

# THE LANCET

## Supplementary appendix 2

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

Supplement to: GBD 2021 Forecasting Collaborators. Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021. *Lancet* 2024; **403**: 2204–56.

## Appendix 2: supplementary results appendix to “Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021”

This supplement provides additional figures and tables containing more detailed results for “Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021”.

These and other results are available to view and download in [GBD Foresight](#), an interactive forecasting visualisation tool.

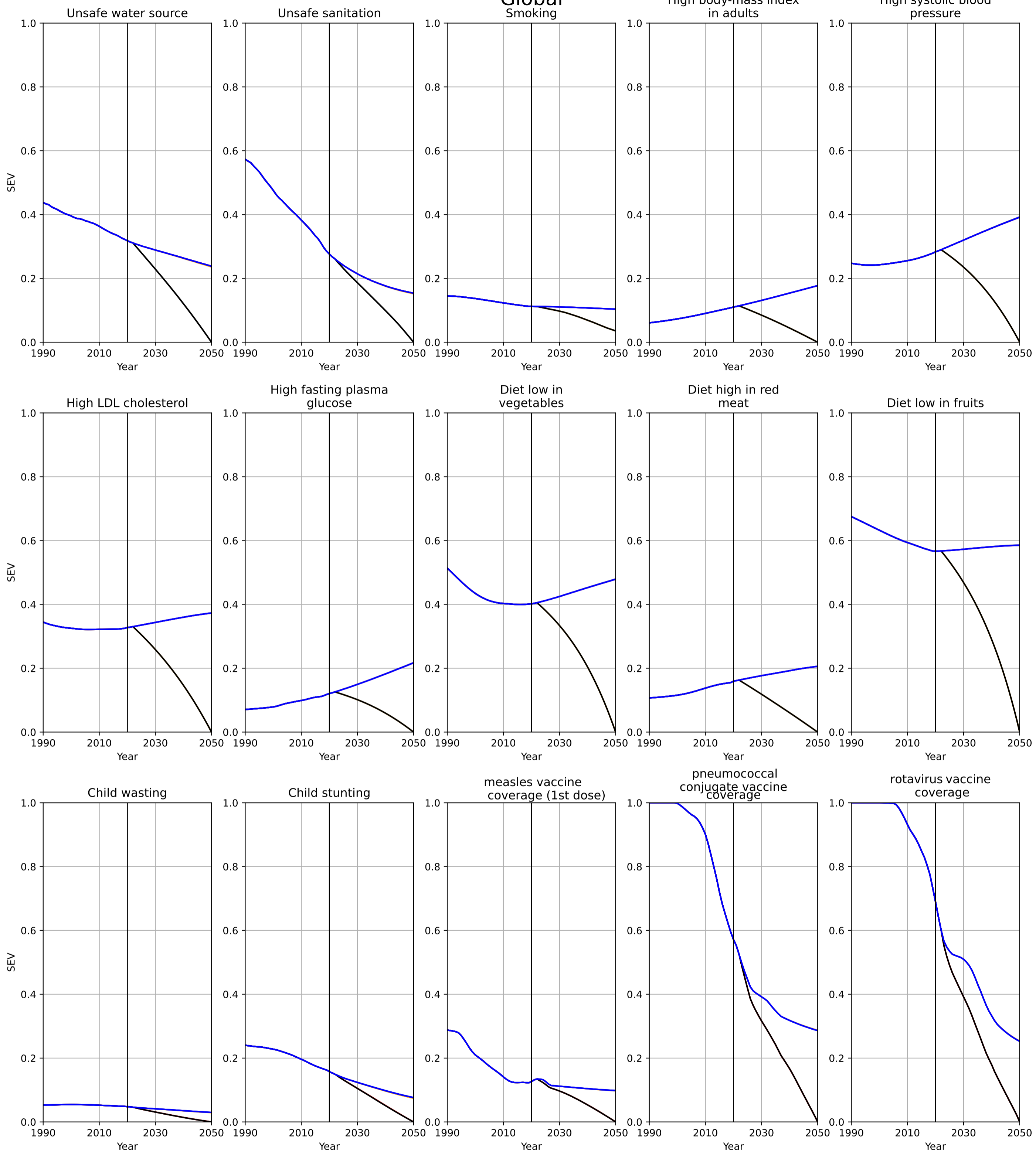
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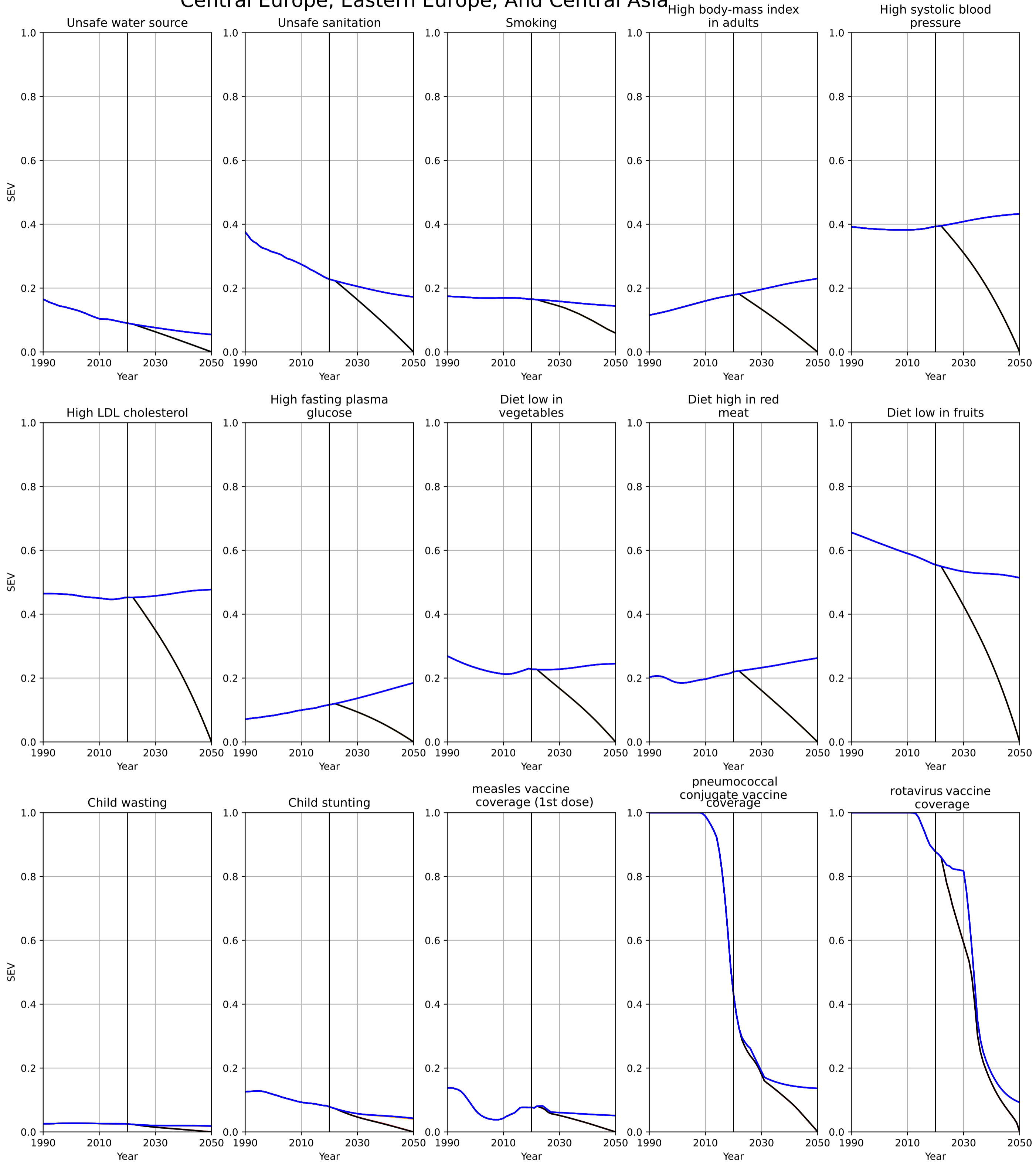
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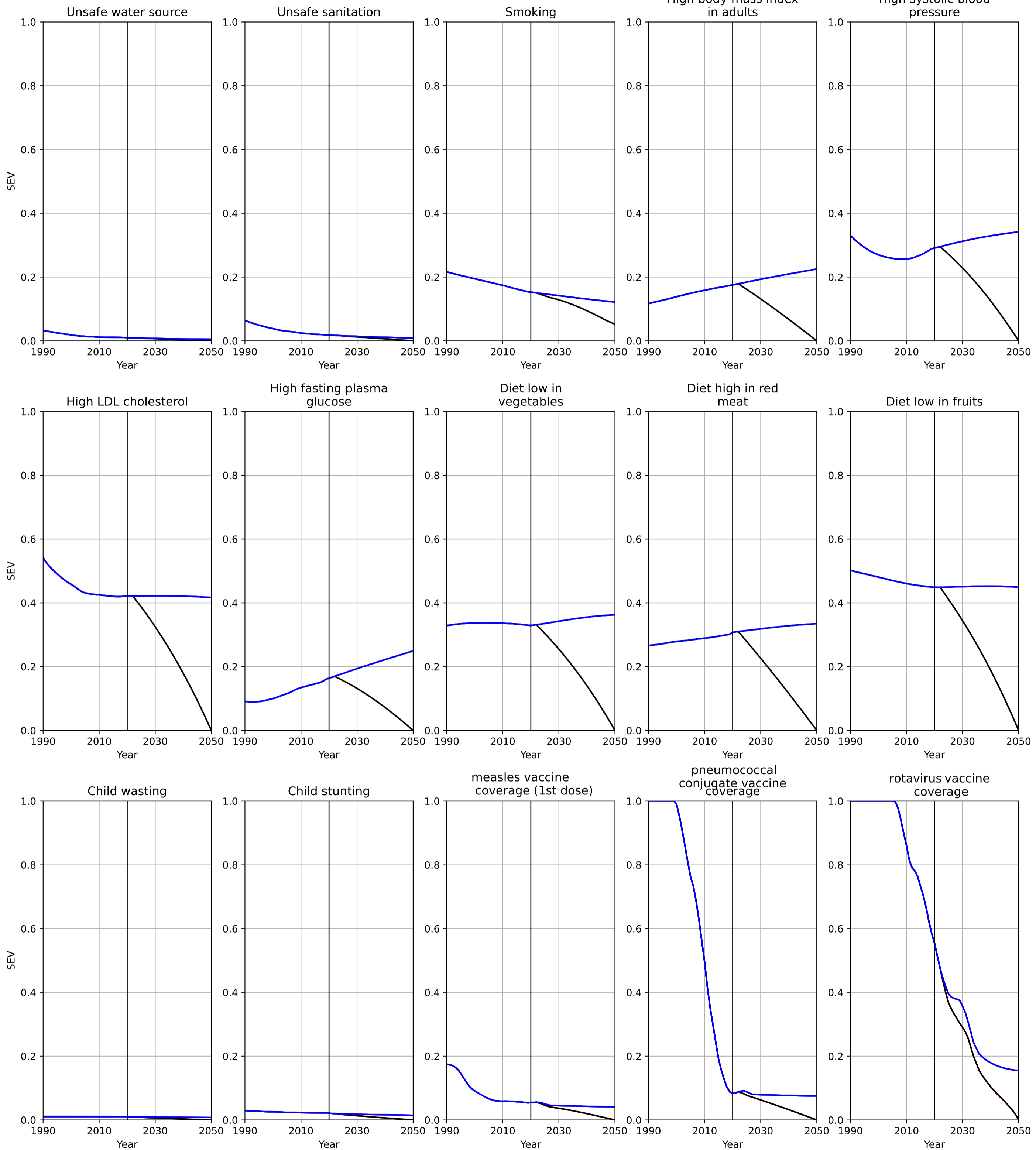
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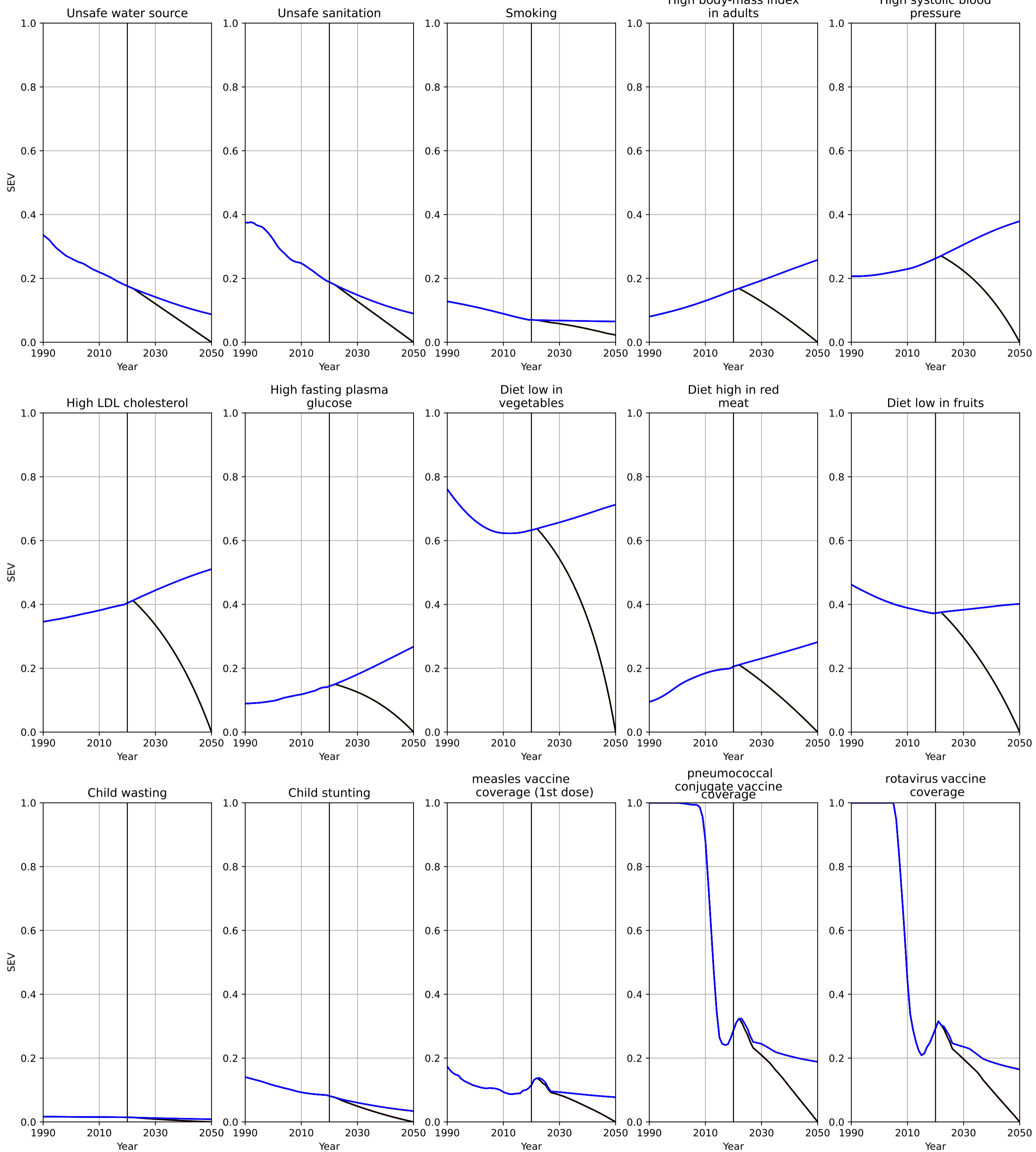
# Central Europe, Eastern Europe, And Central Asia



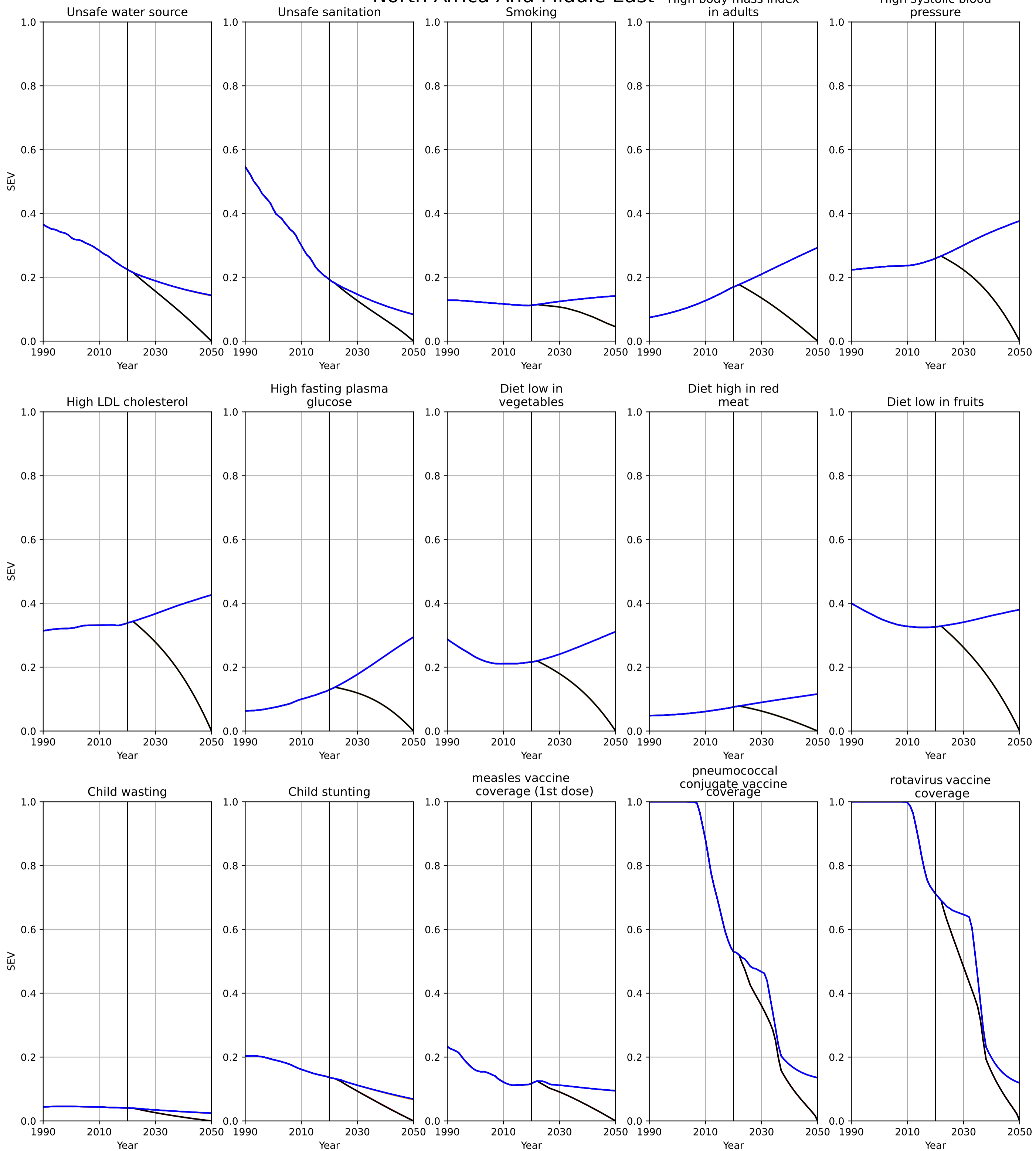
# High Income



# Latin America And Caribbean

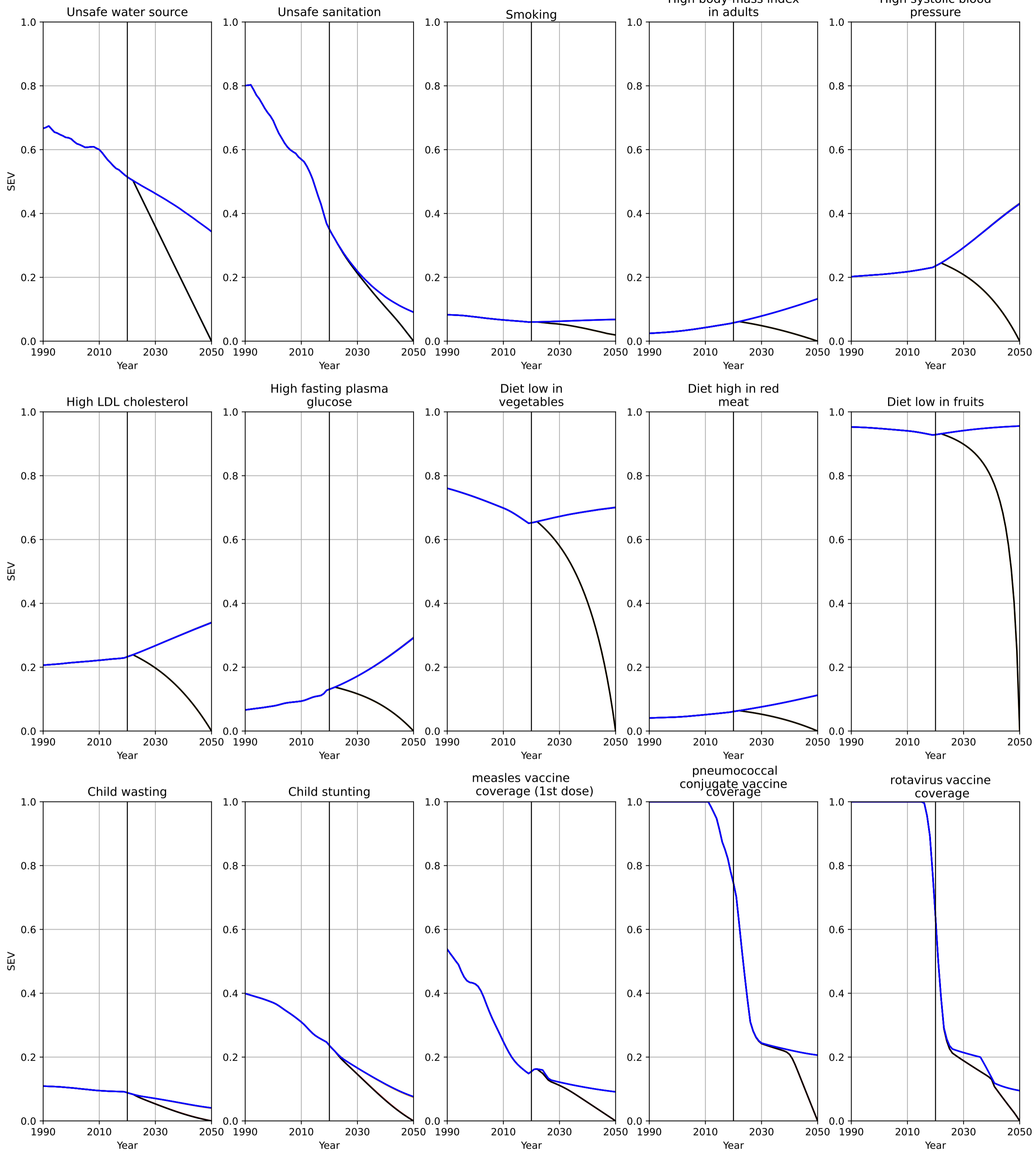


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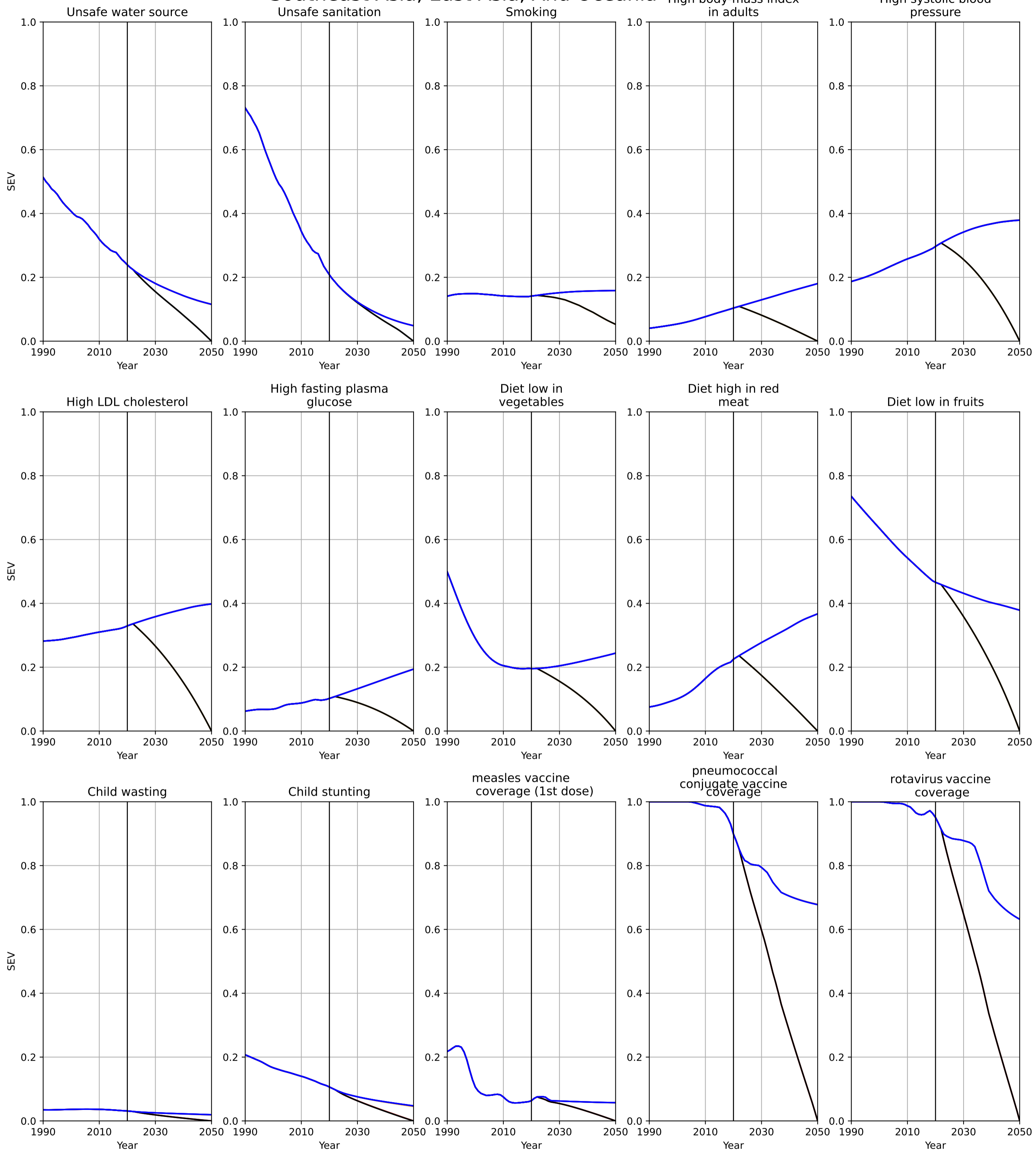




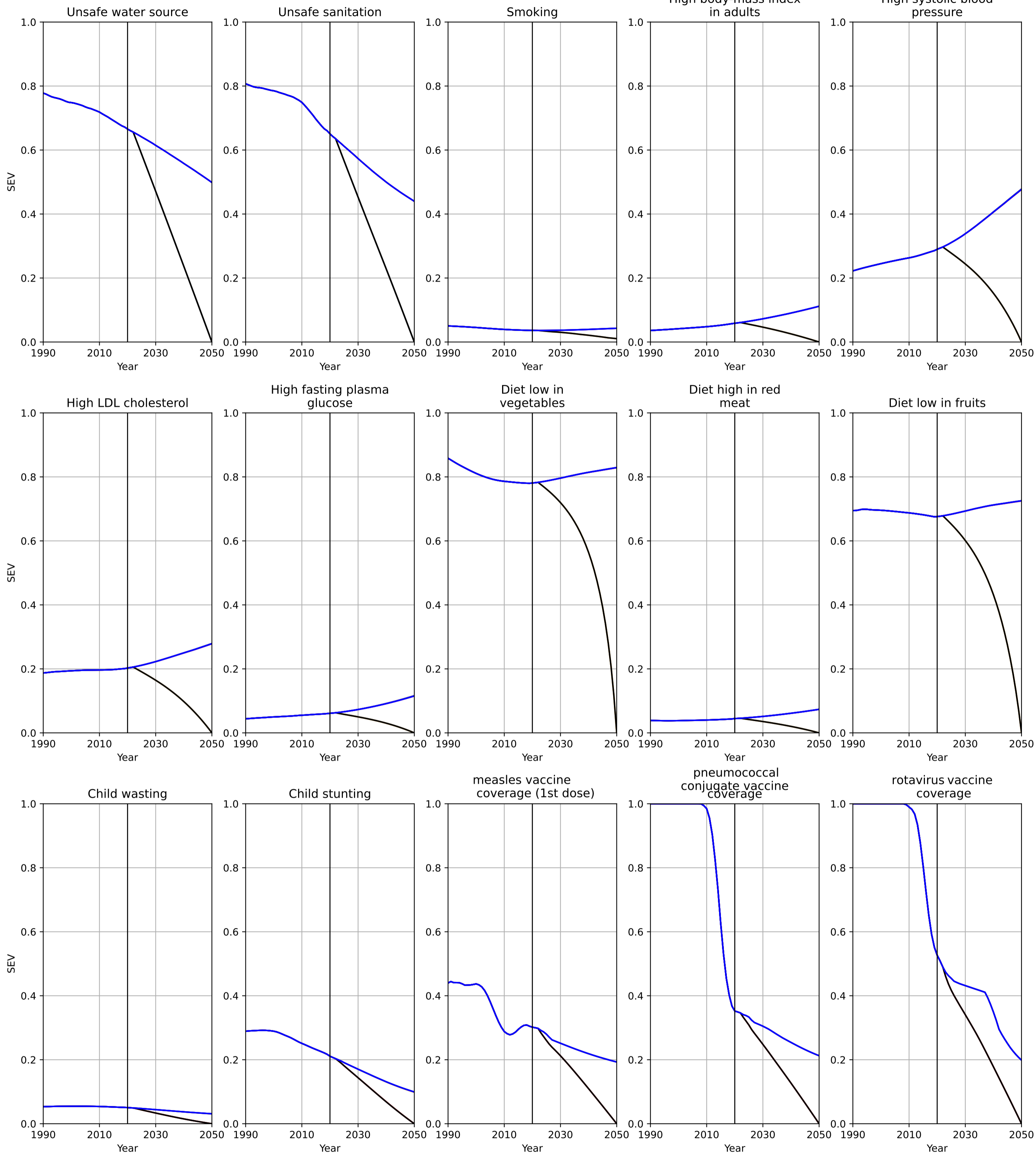
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# Southeast Asia, East Asia, And Oceania



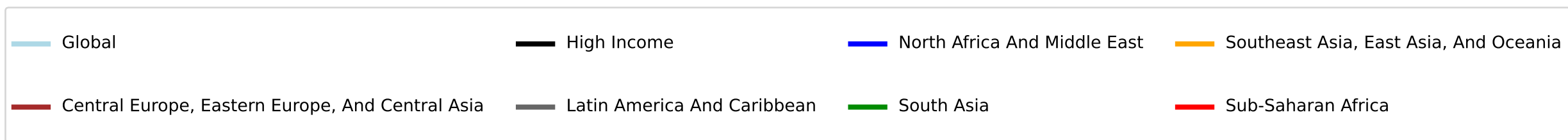
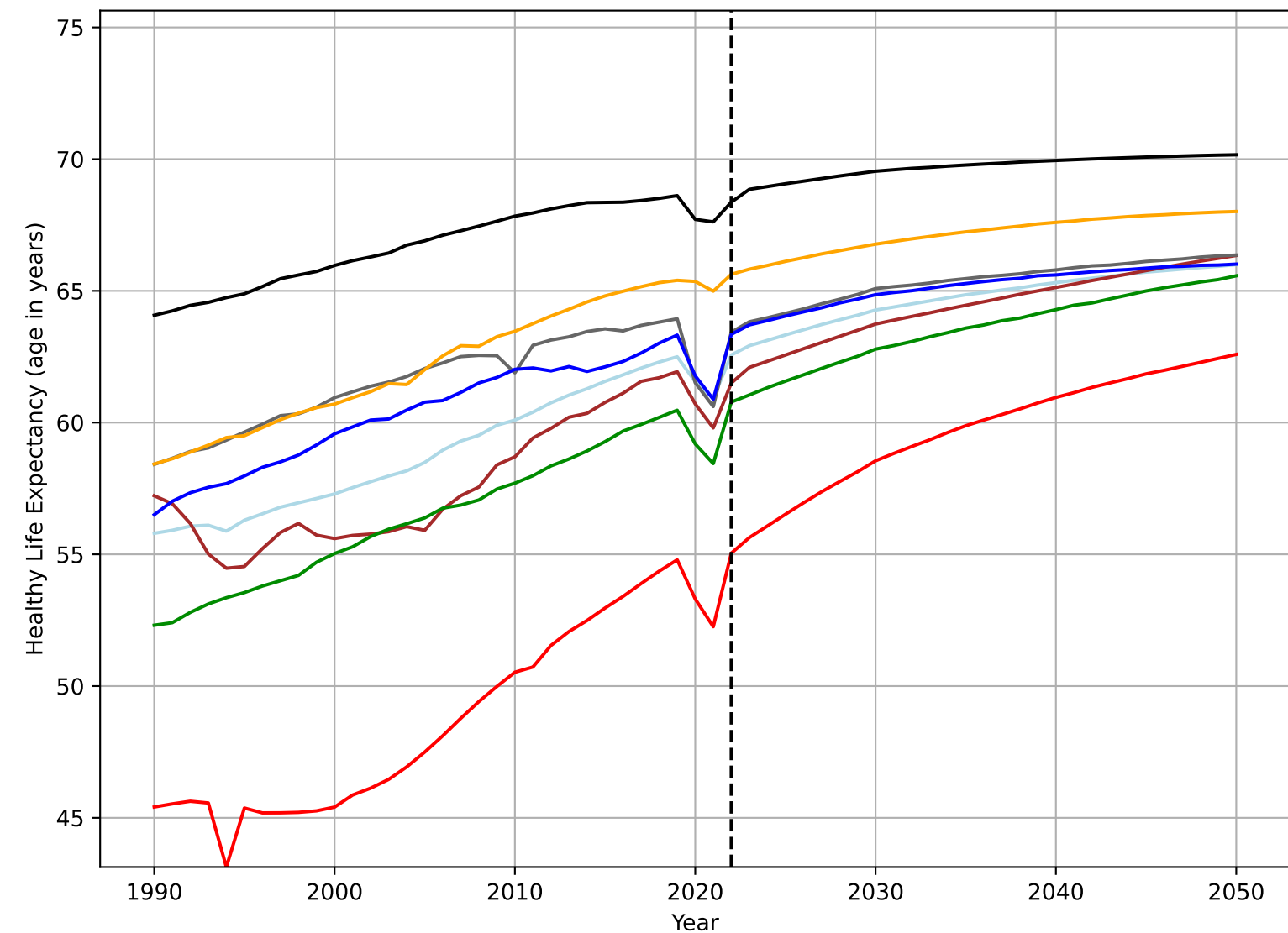
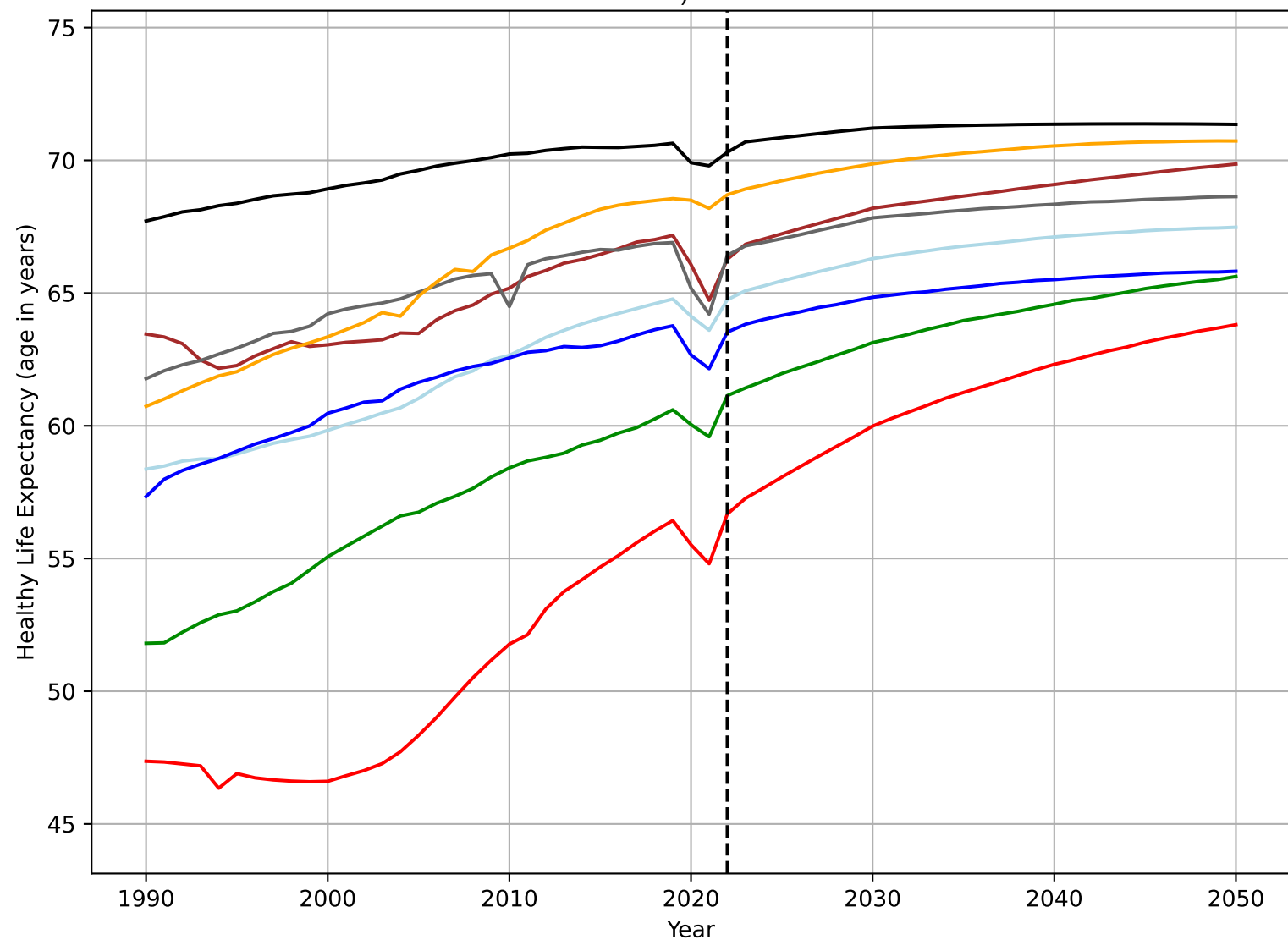
# Sub-Saharan Africa



Supplemental Results Figure S2. Global and super-regional healthy life expectancy, 1990–2050 for females (A) and males (B)

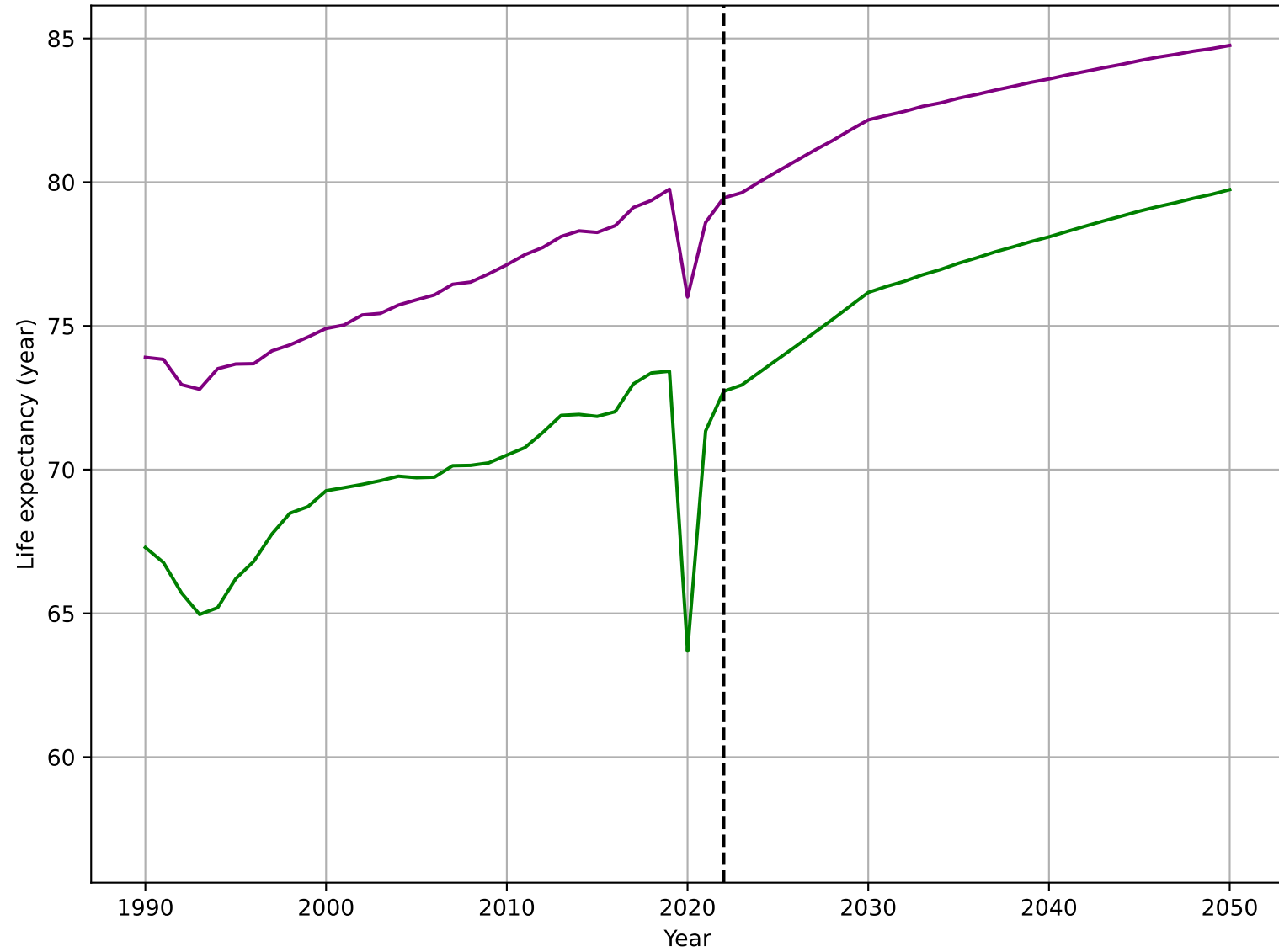
A) Females

B) Males

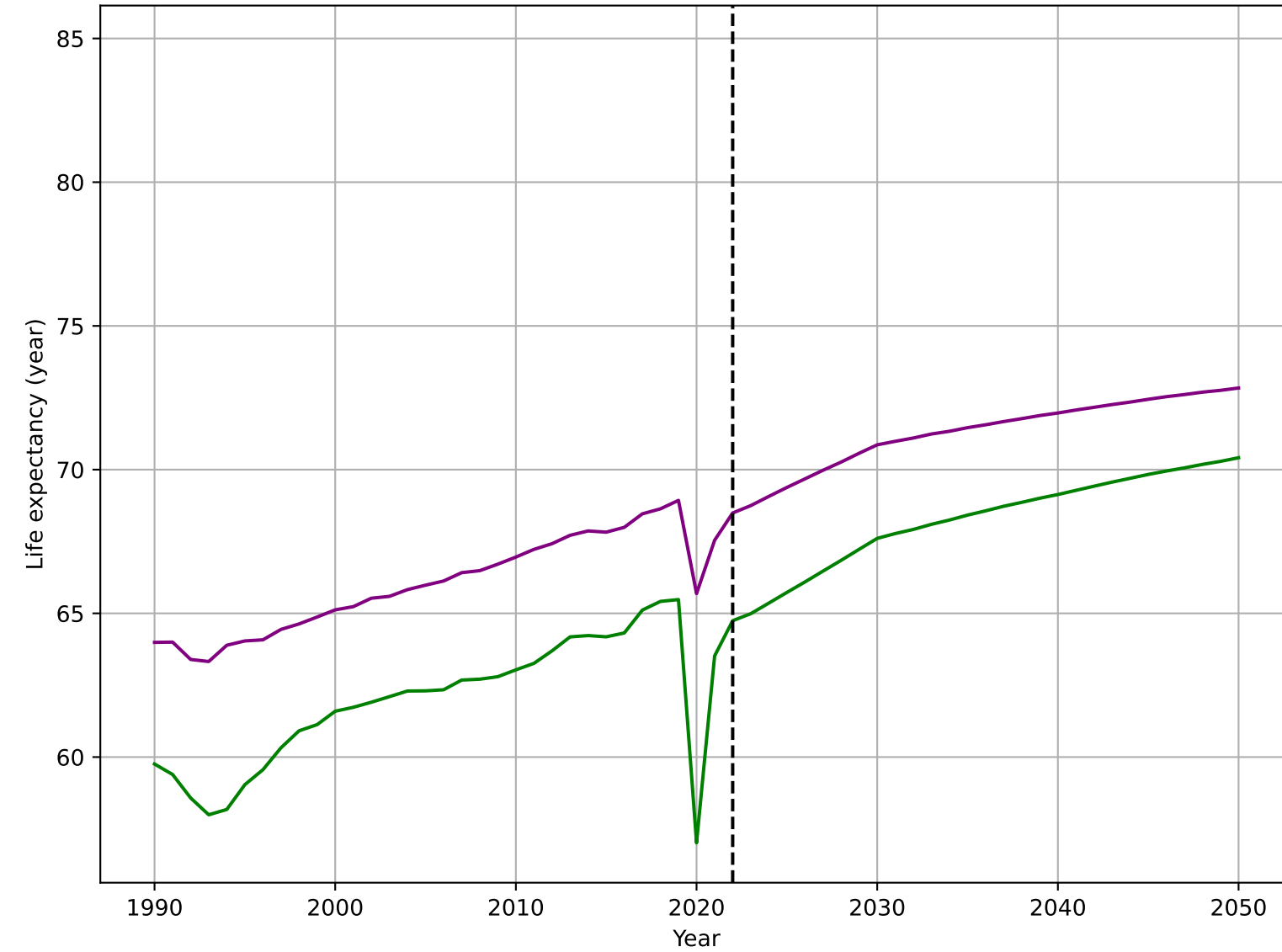


# Armenia

### Life Expectancy

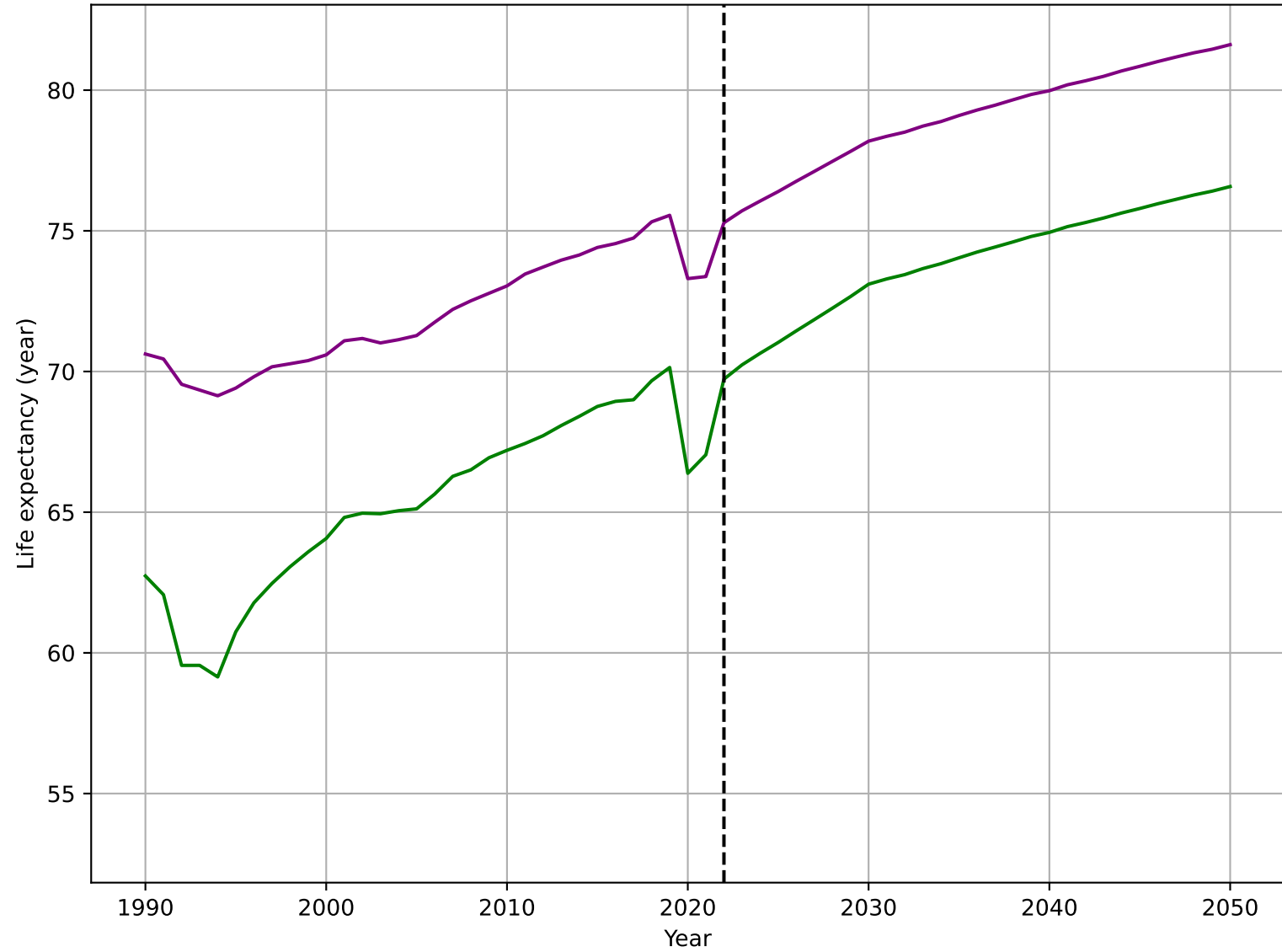


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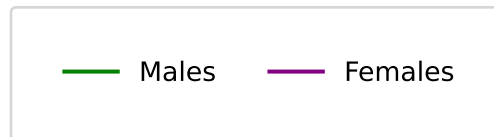
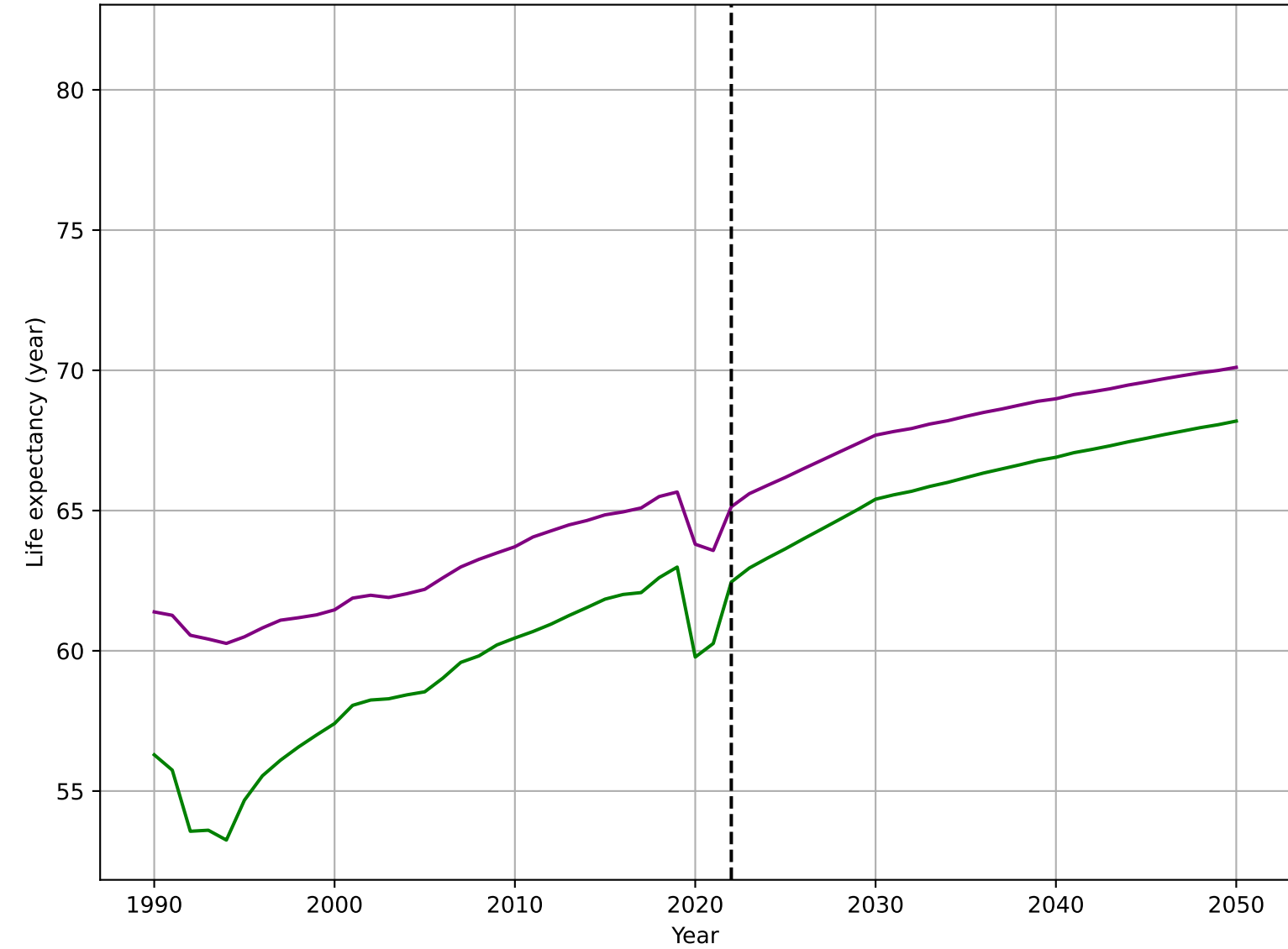


# Azerbaijan

### Life Expectancy

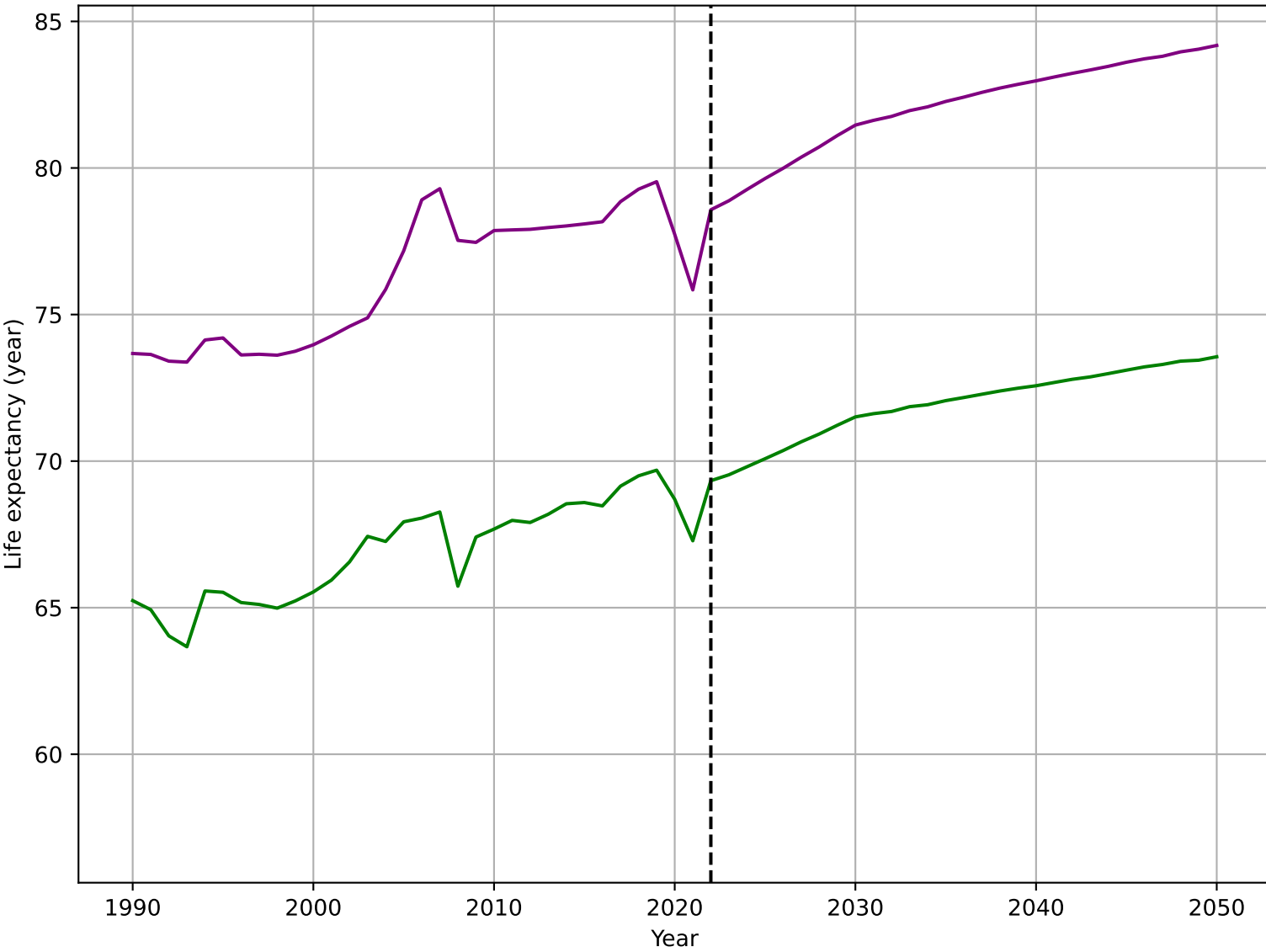


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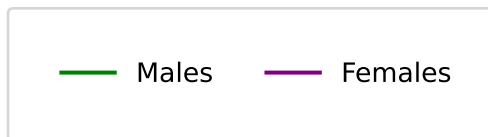
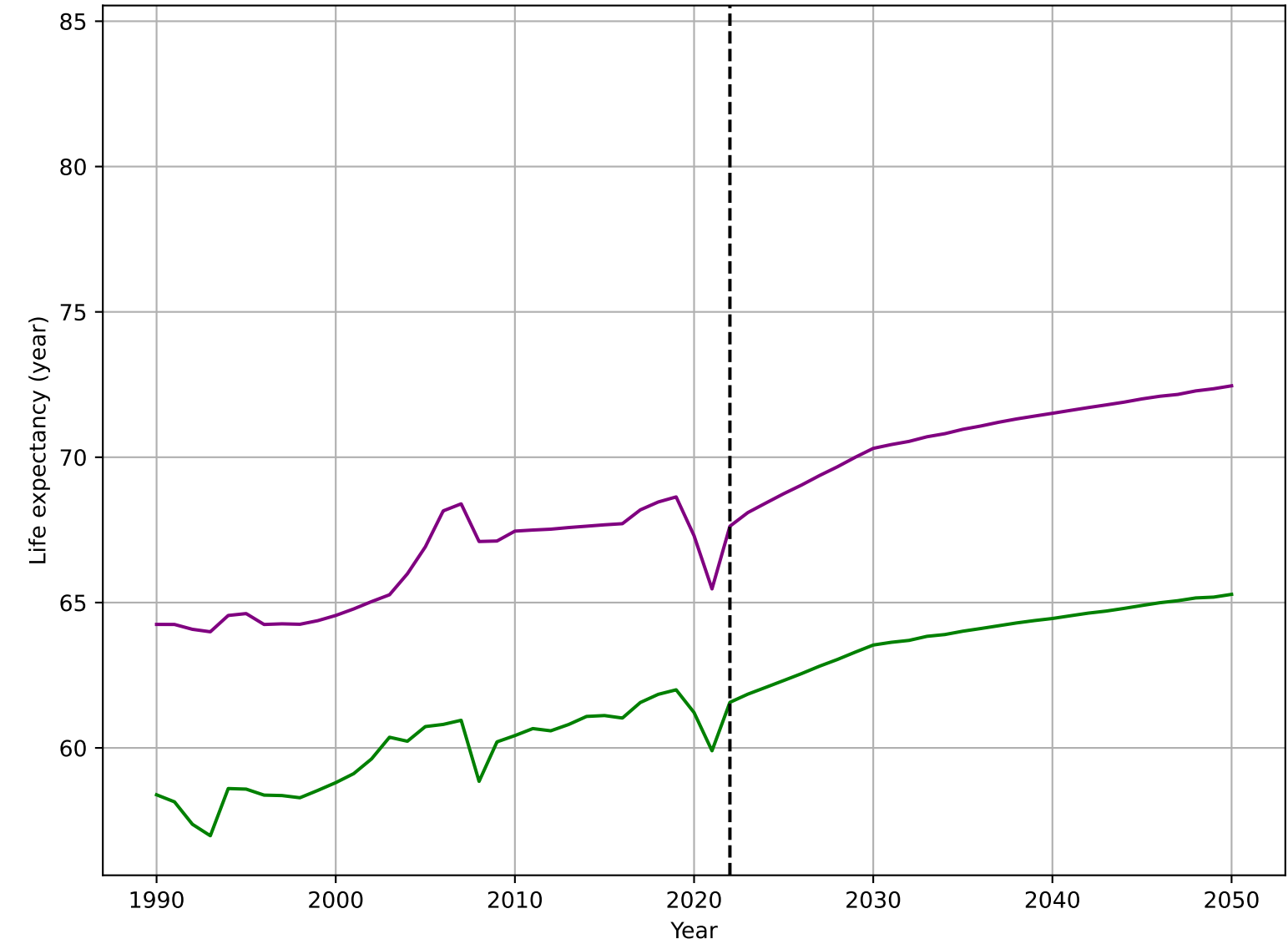


# Georgia

### Life Expectancy

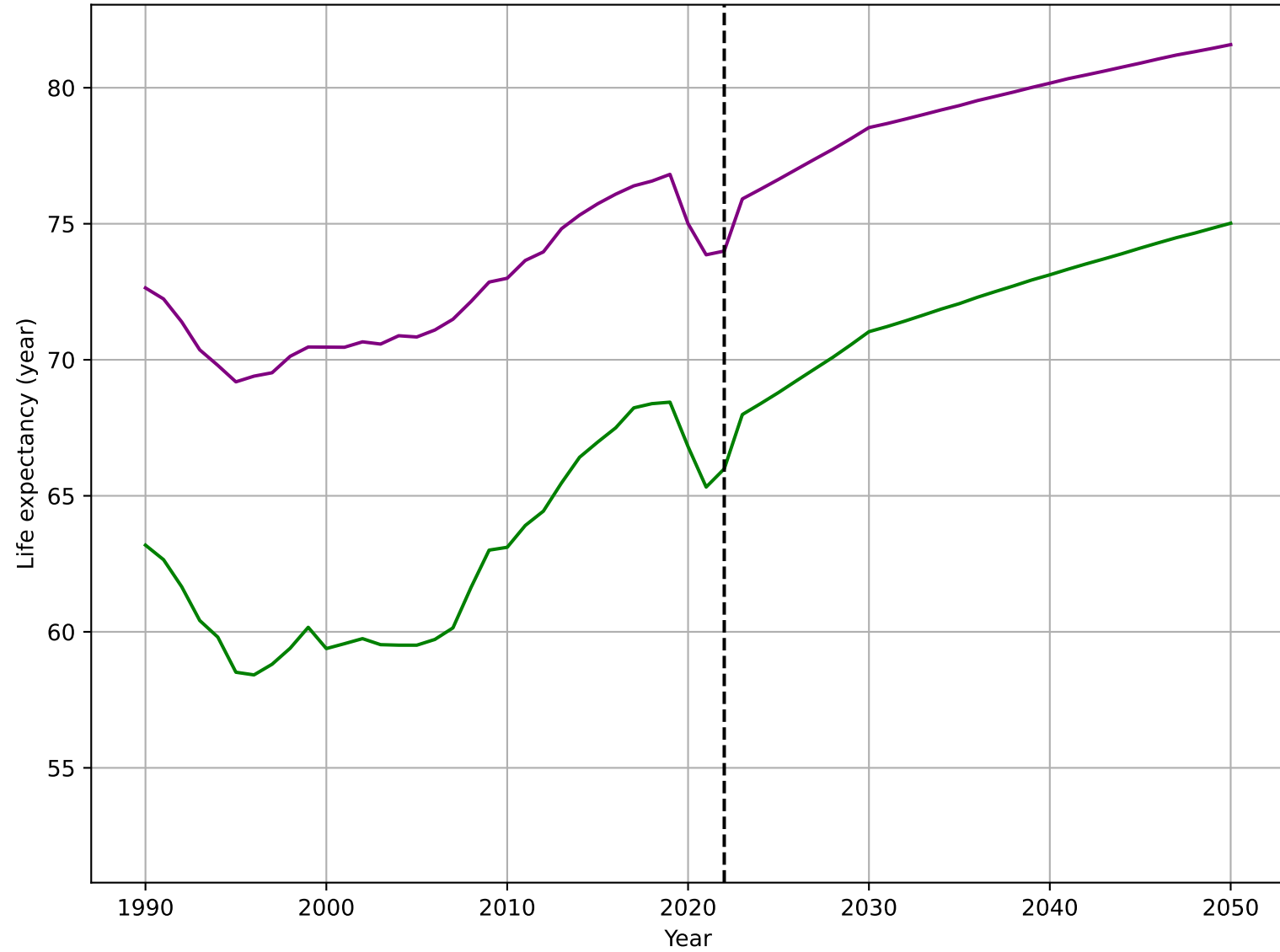


### Healthy Life Expectancy (HALE)

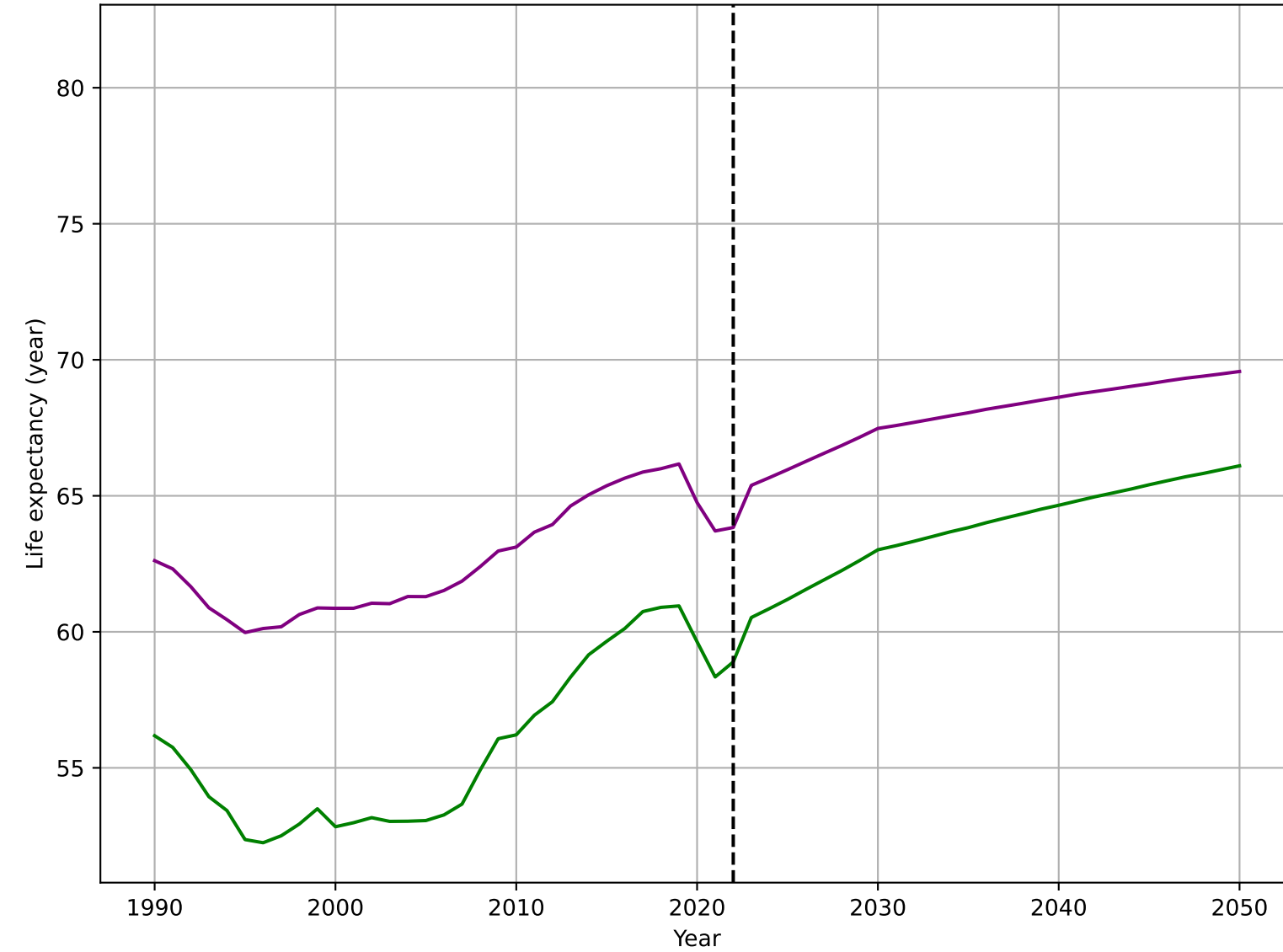


# Kazakhstan

### Life Expectancy



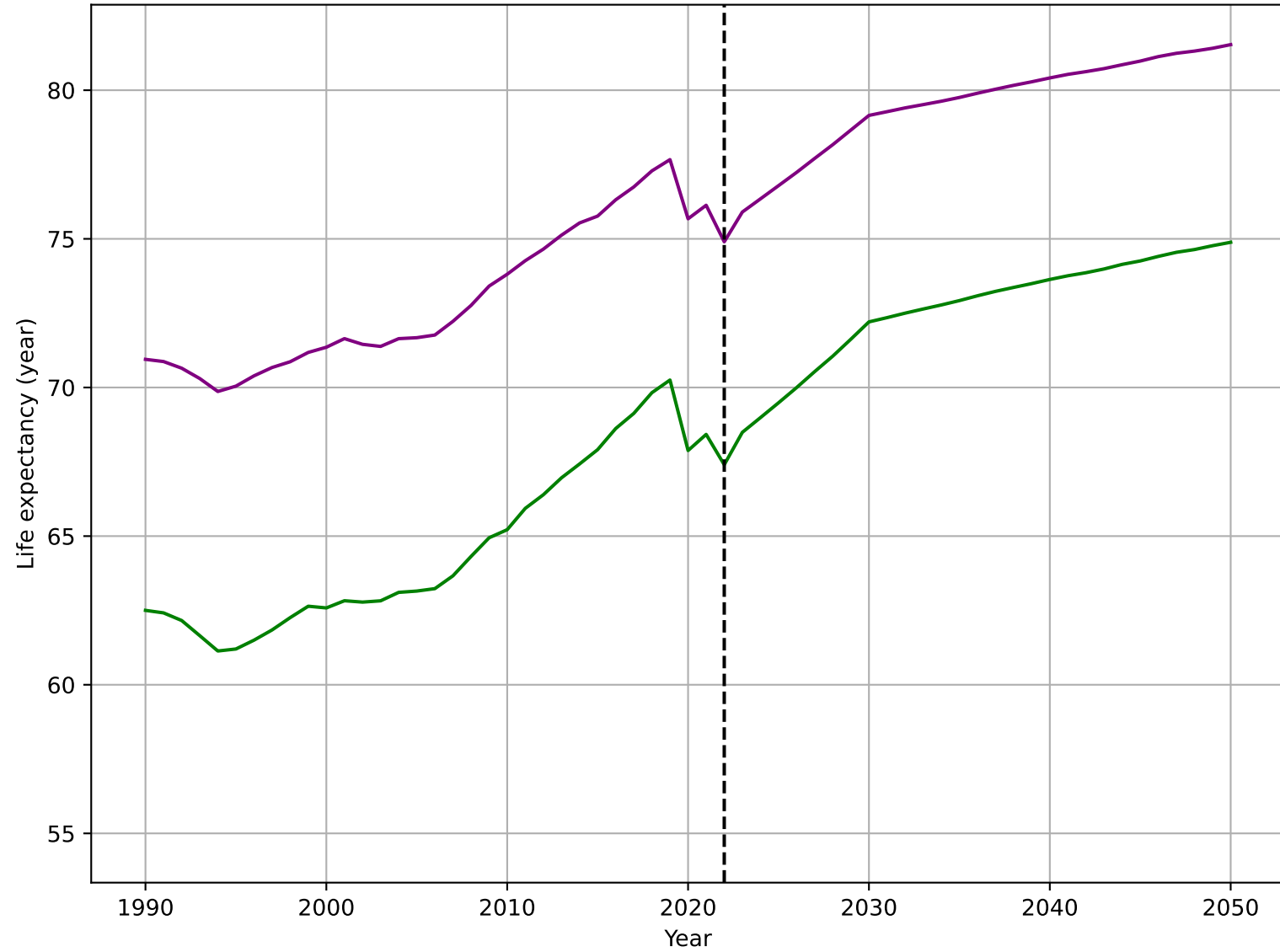
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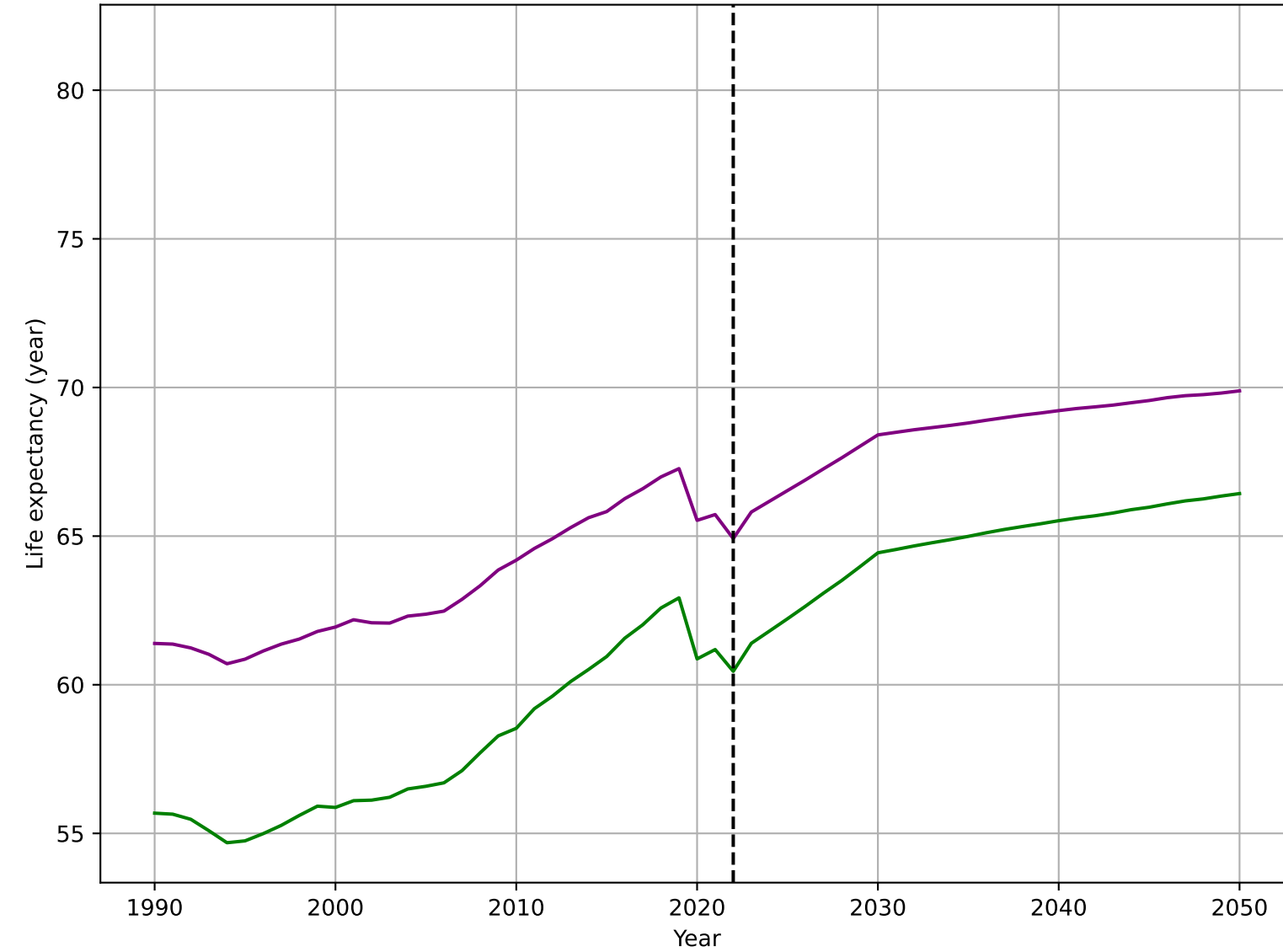


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### Life Expectancy

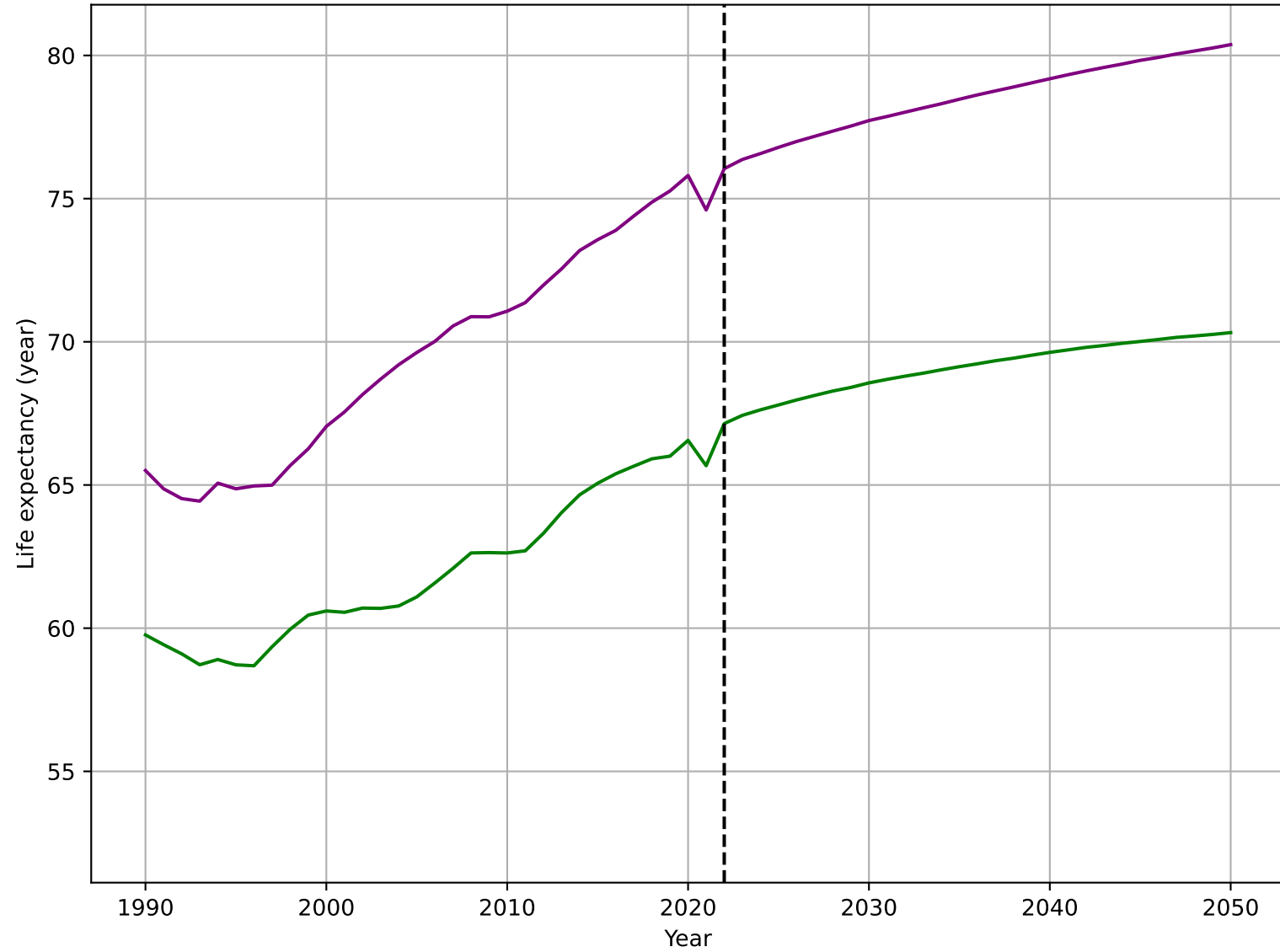


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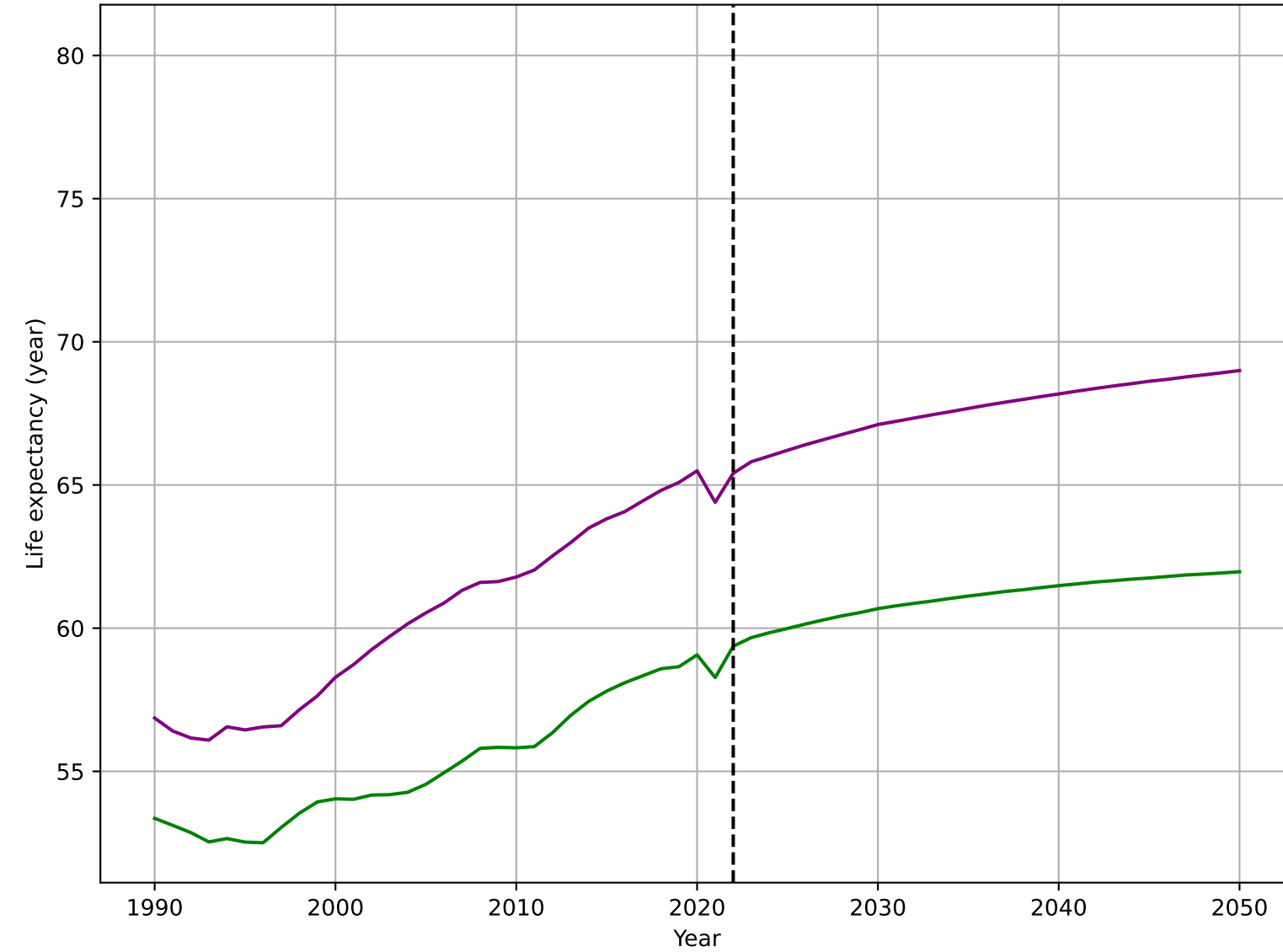


# Mongolia

### Life Expectancy

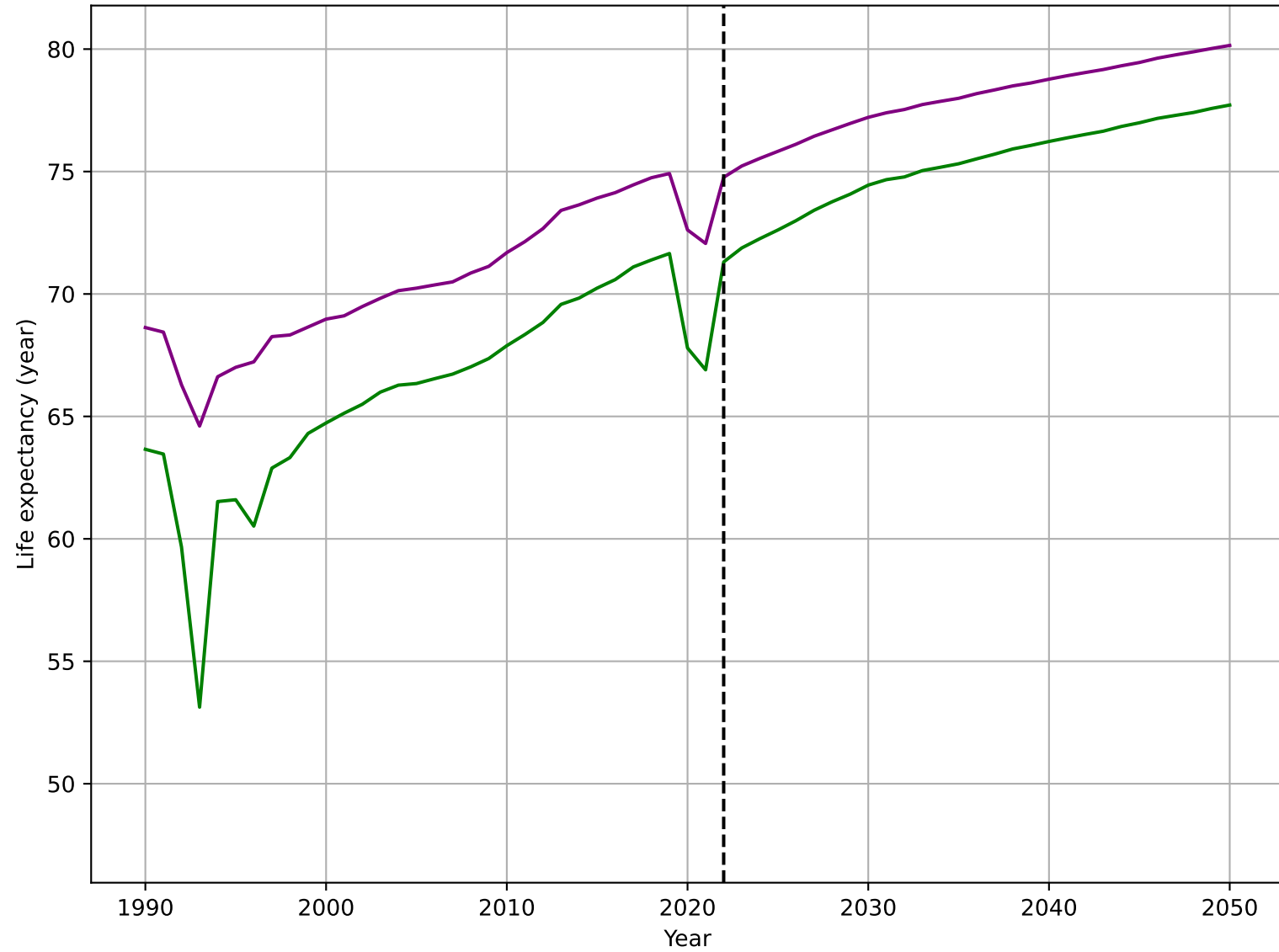


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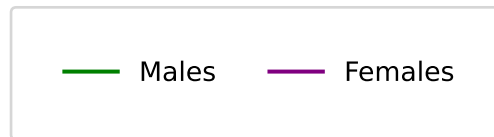
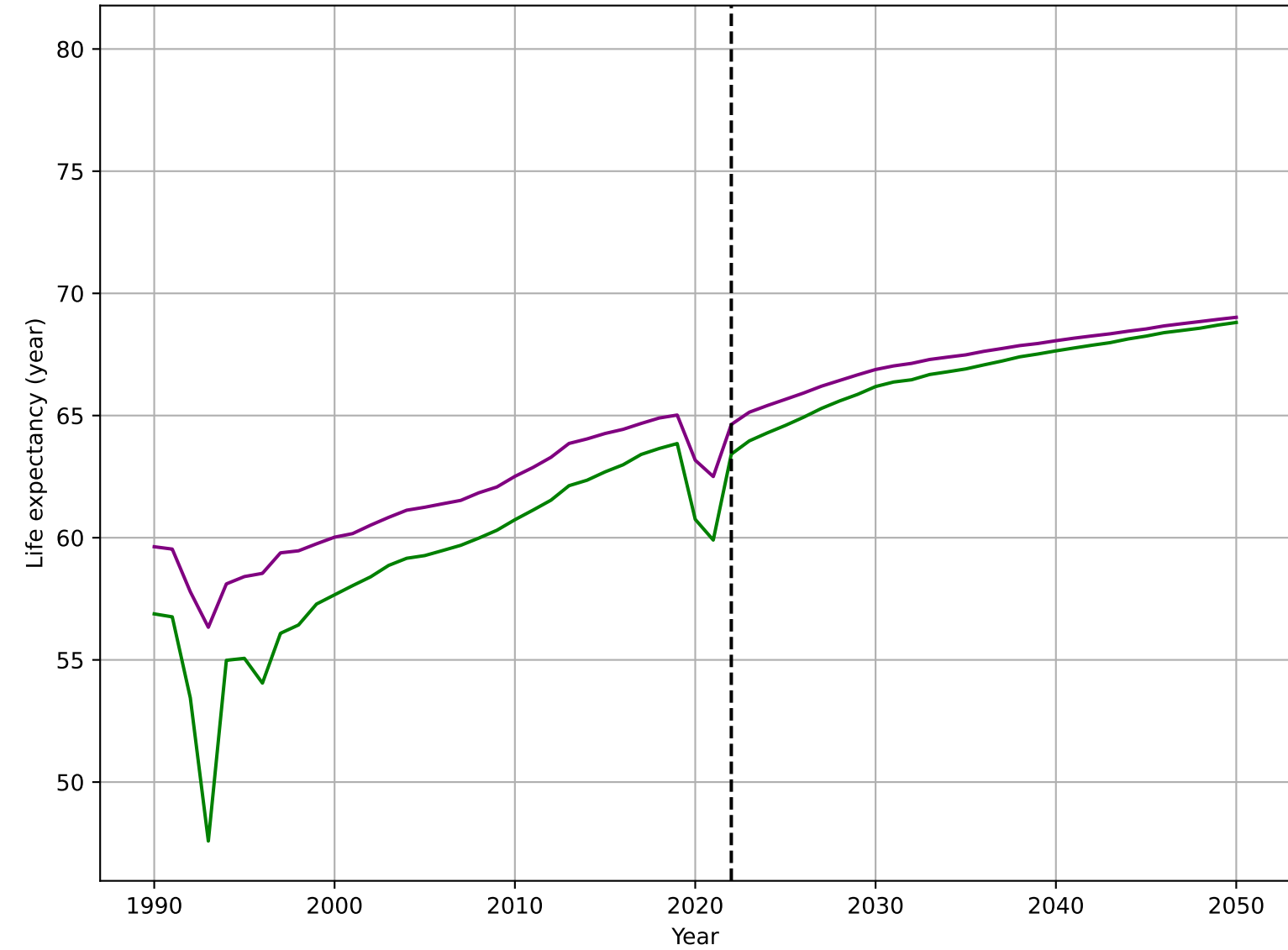


# Tajikistan

### Life Expectancy

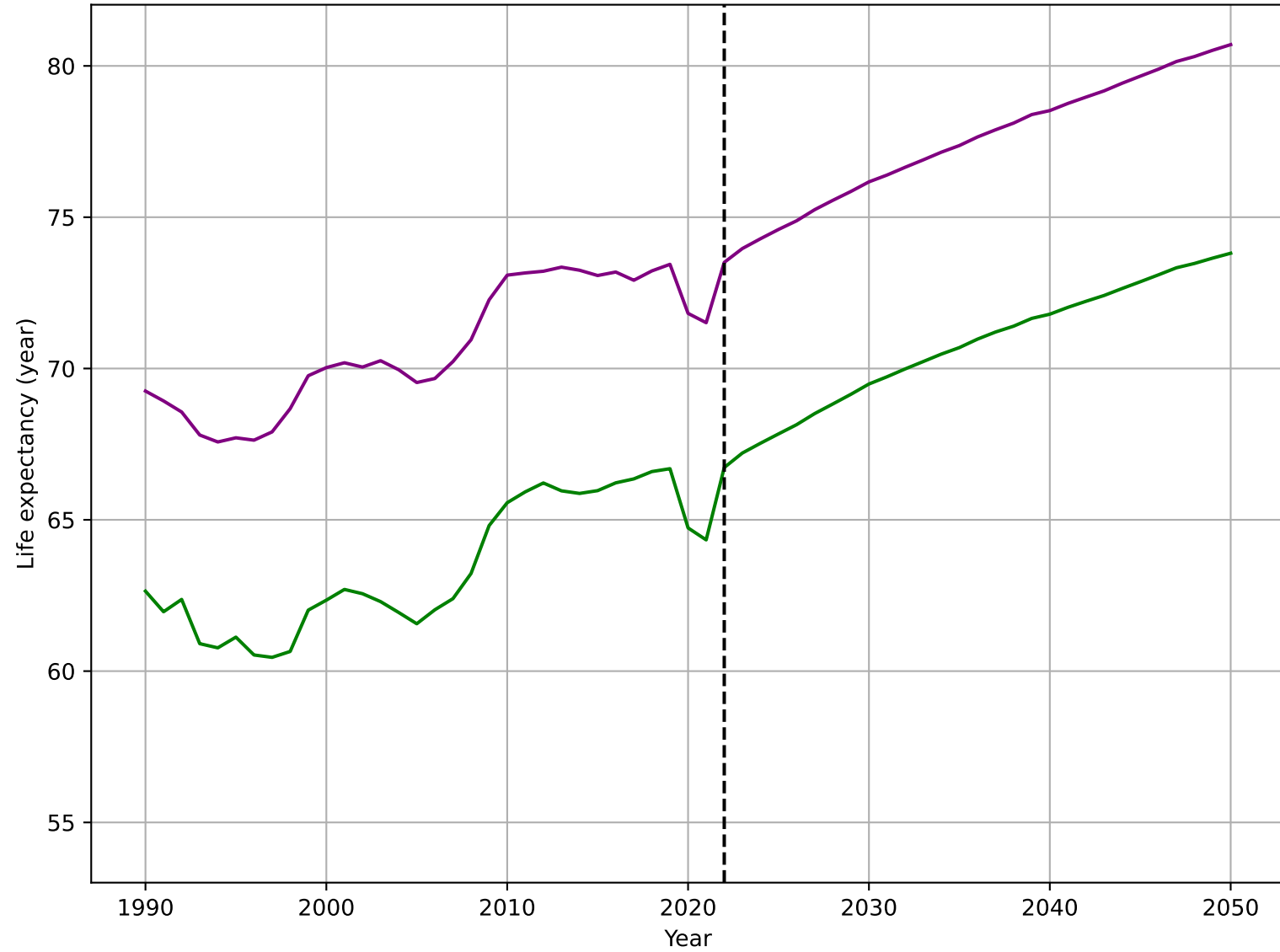


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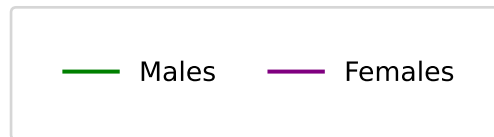
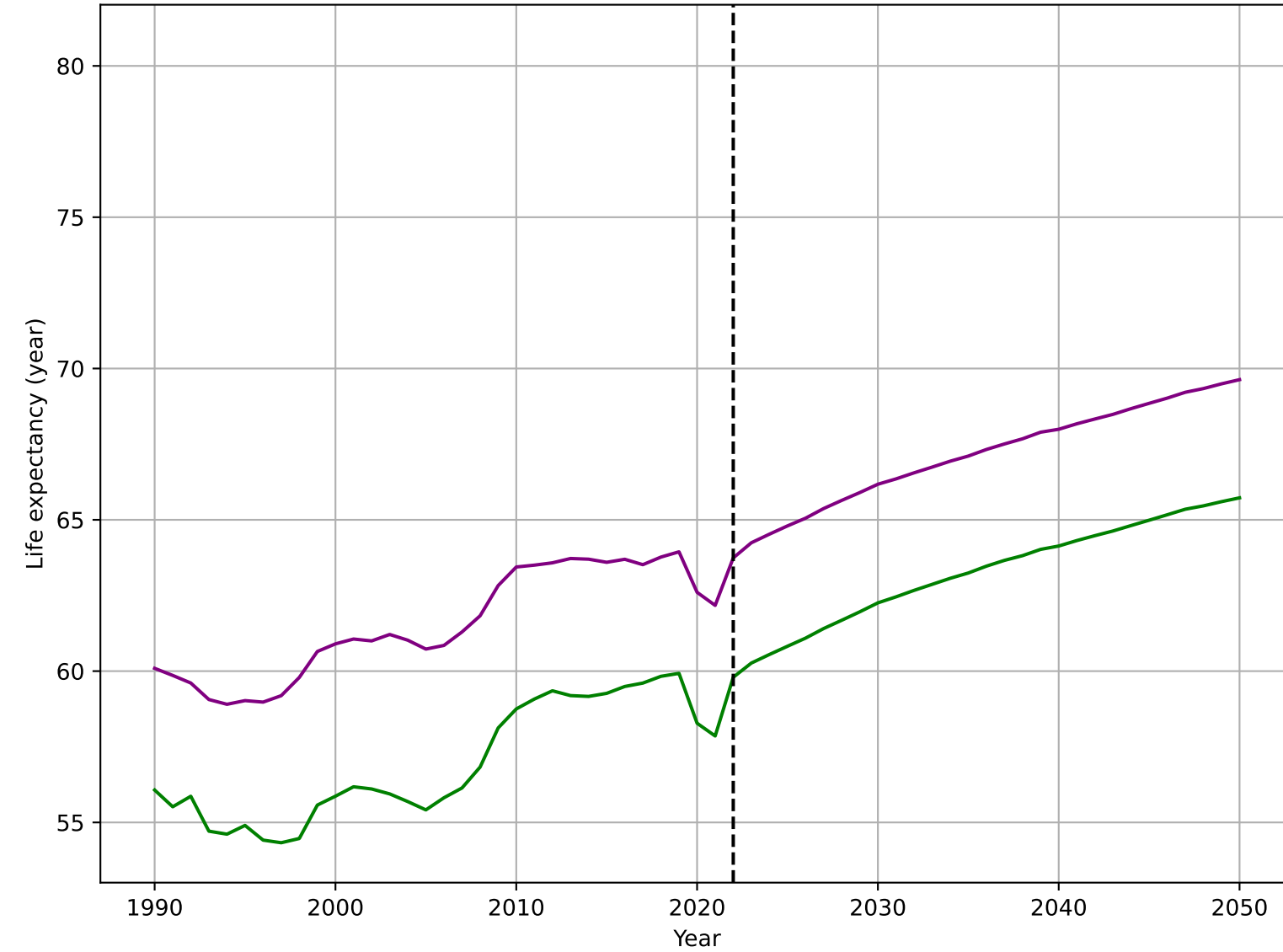


# Turkmenistan

### Life Expectancy

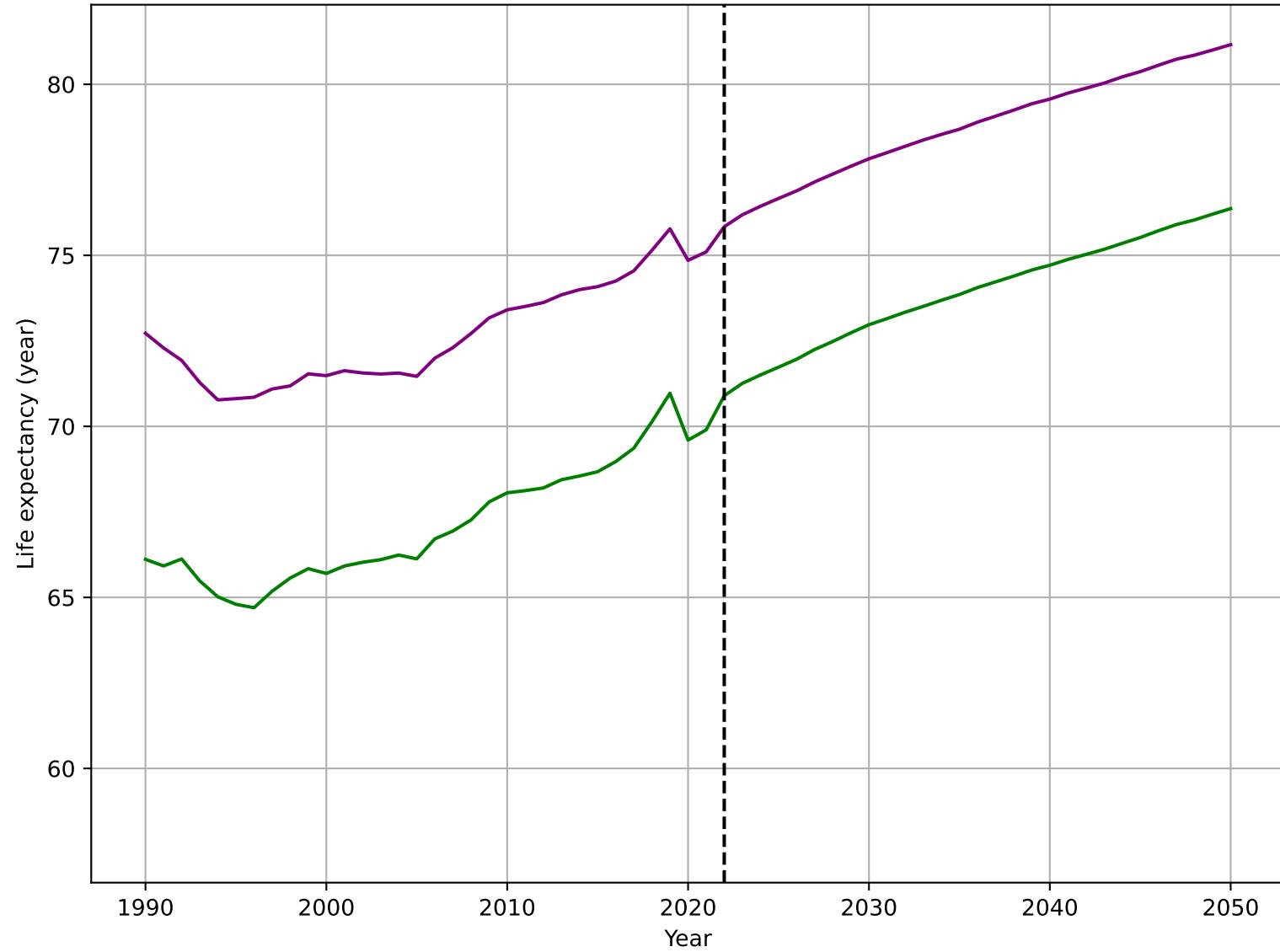


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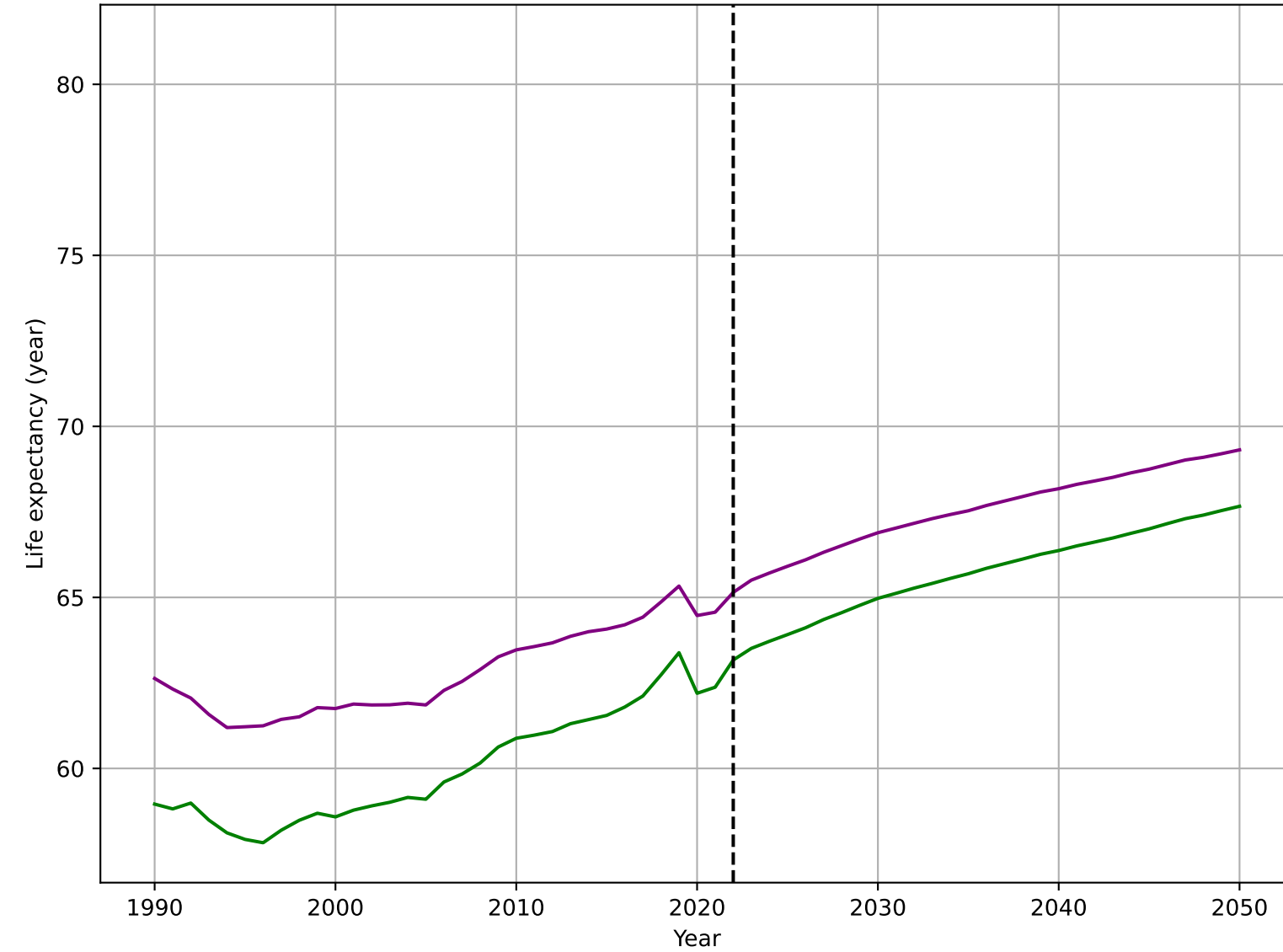


# Uzbekistan

### Life Expectancy

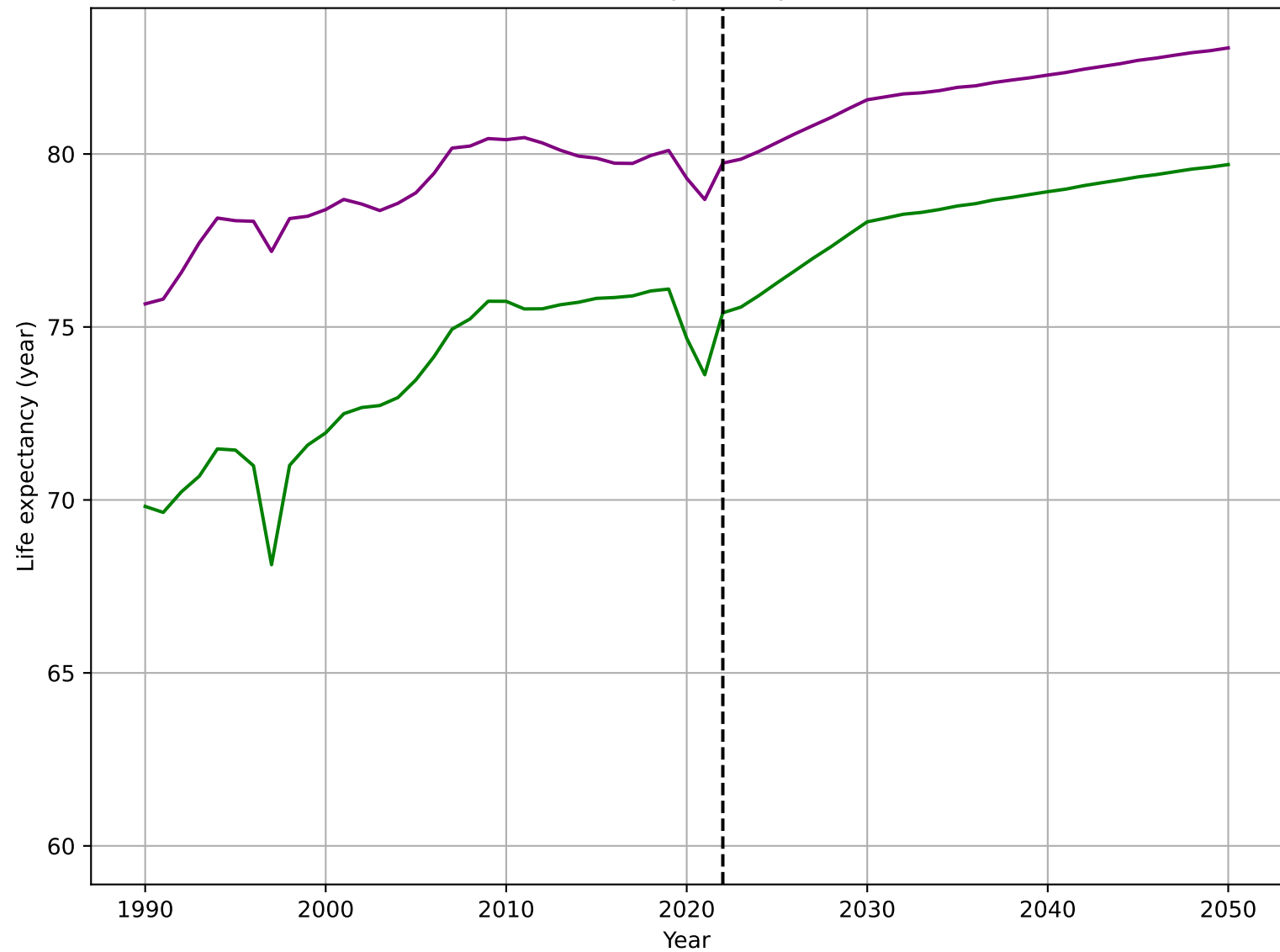


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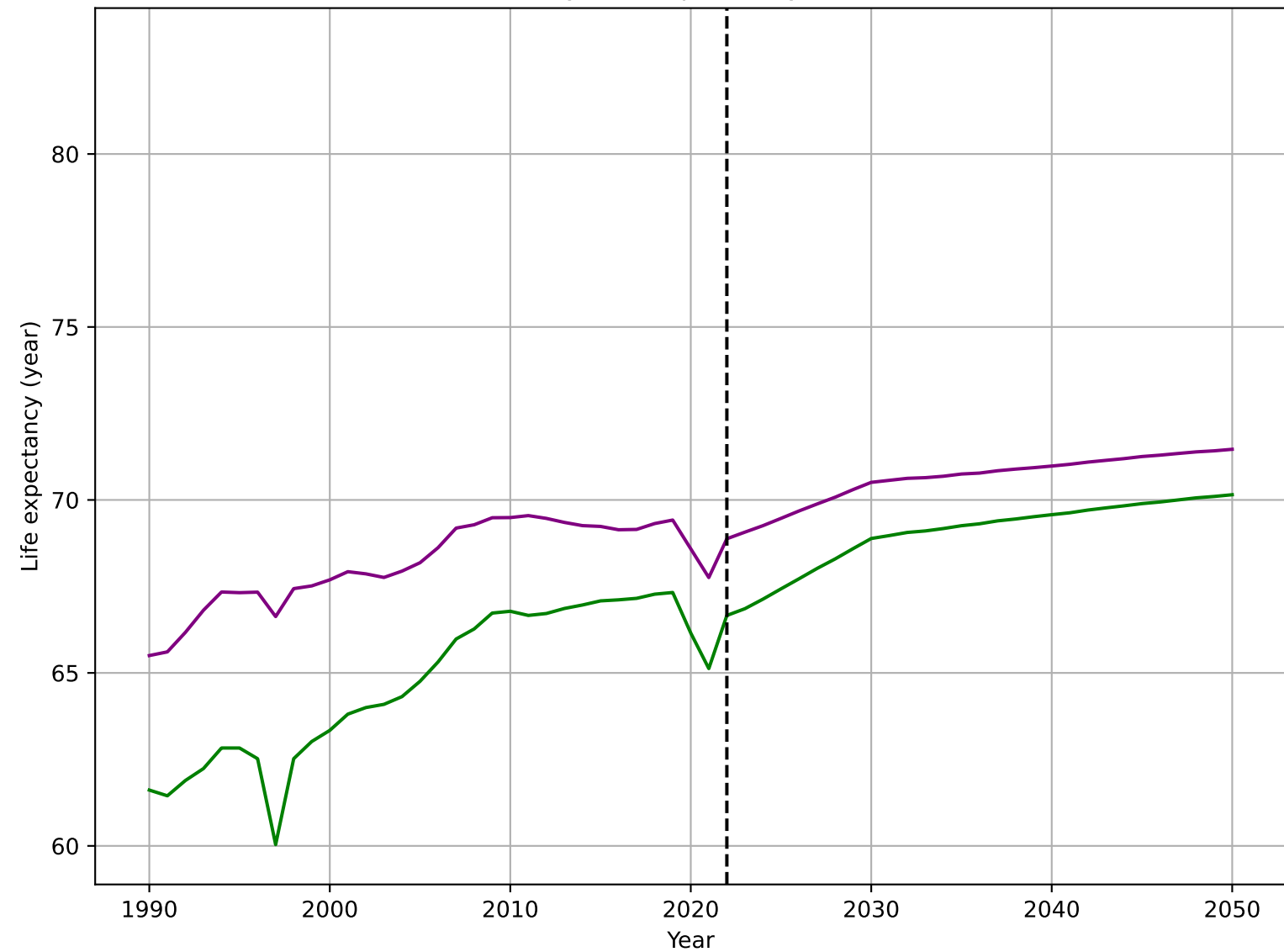


# Albania

### Life Expectancy

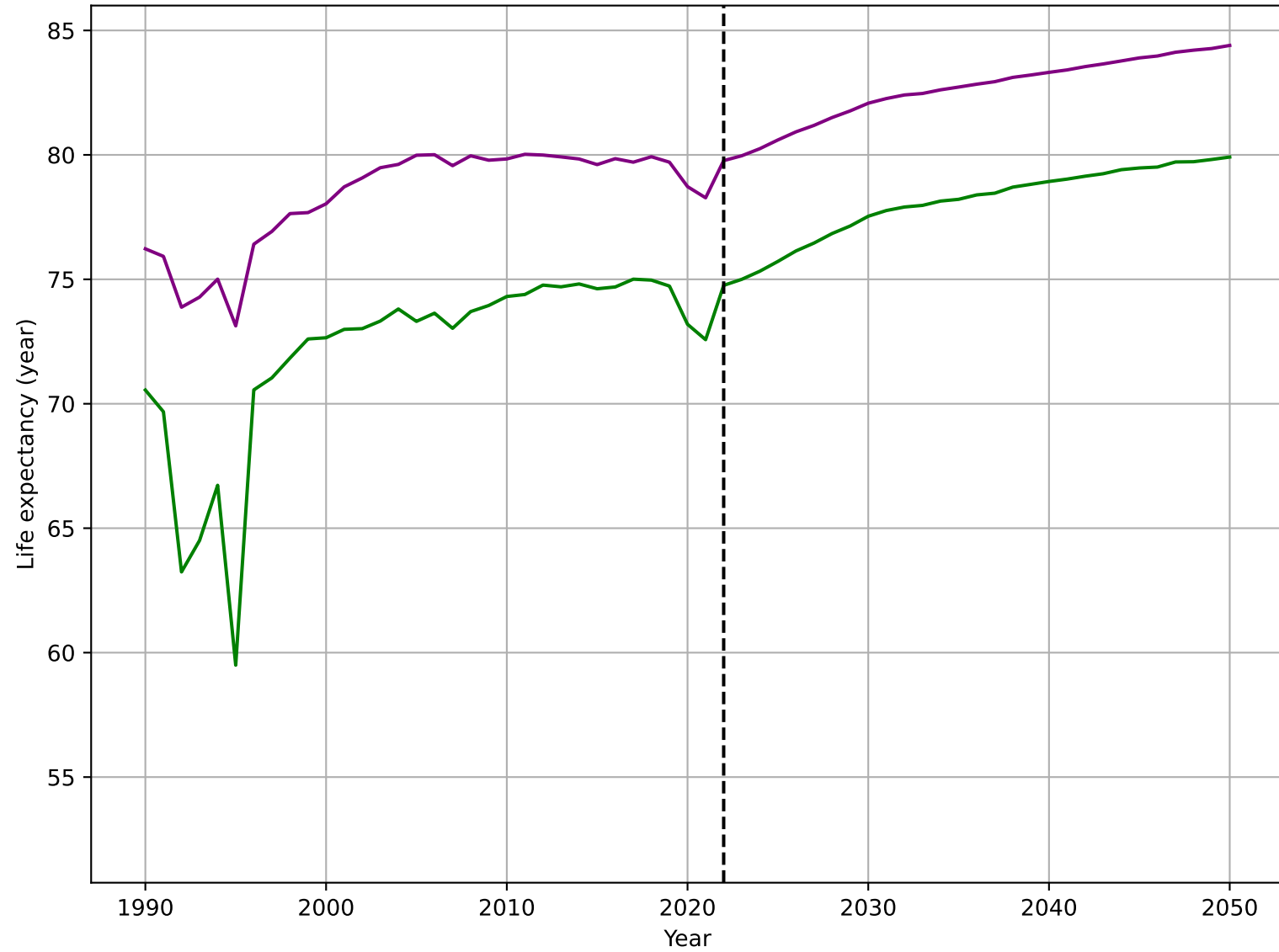


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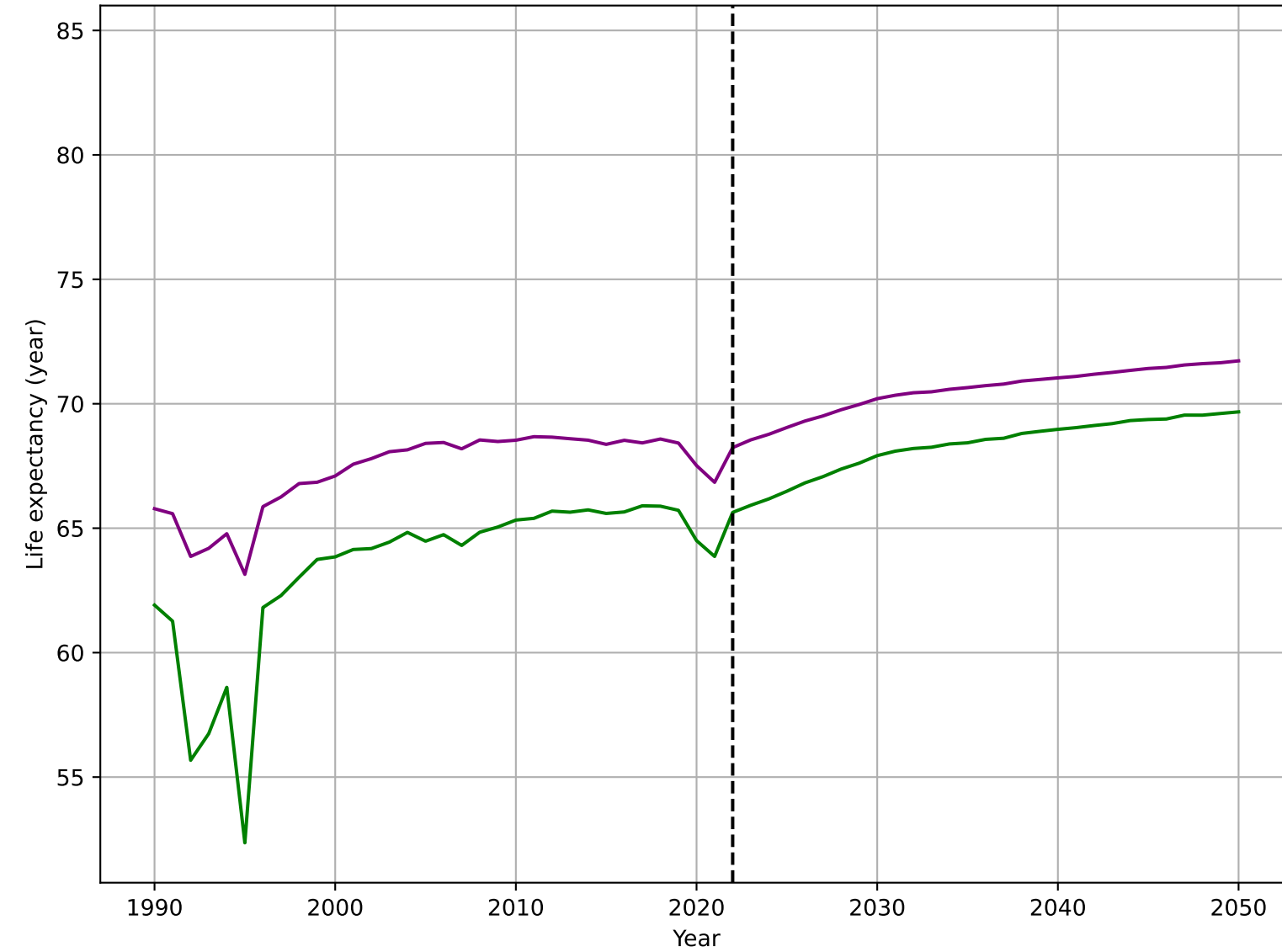


# Bosnia And Herzegovina

### Life Expectancy

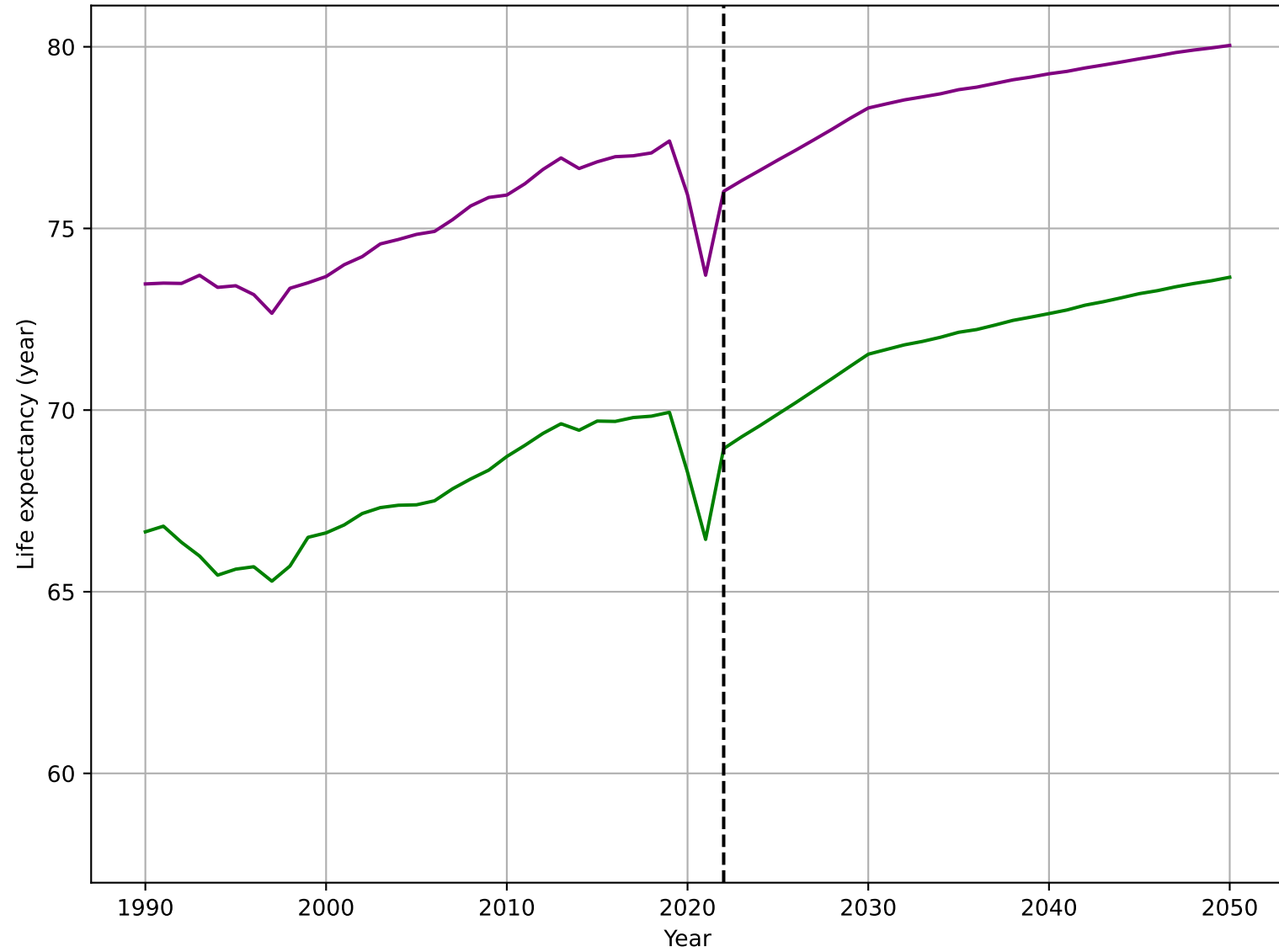


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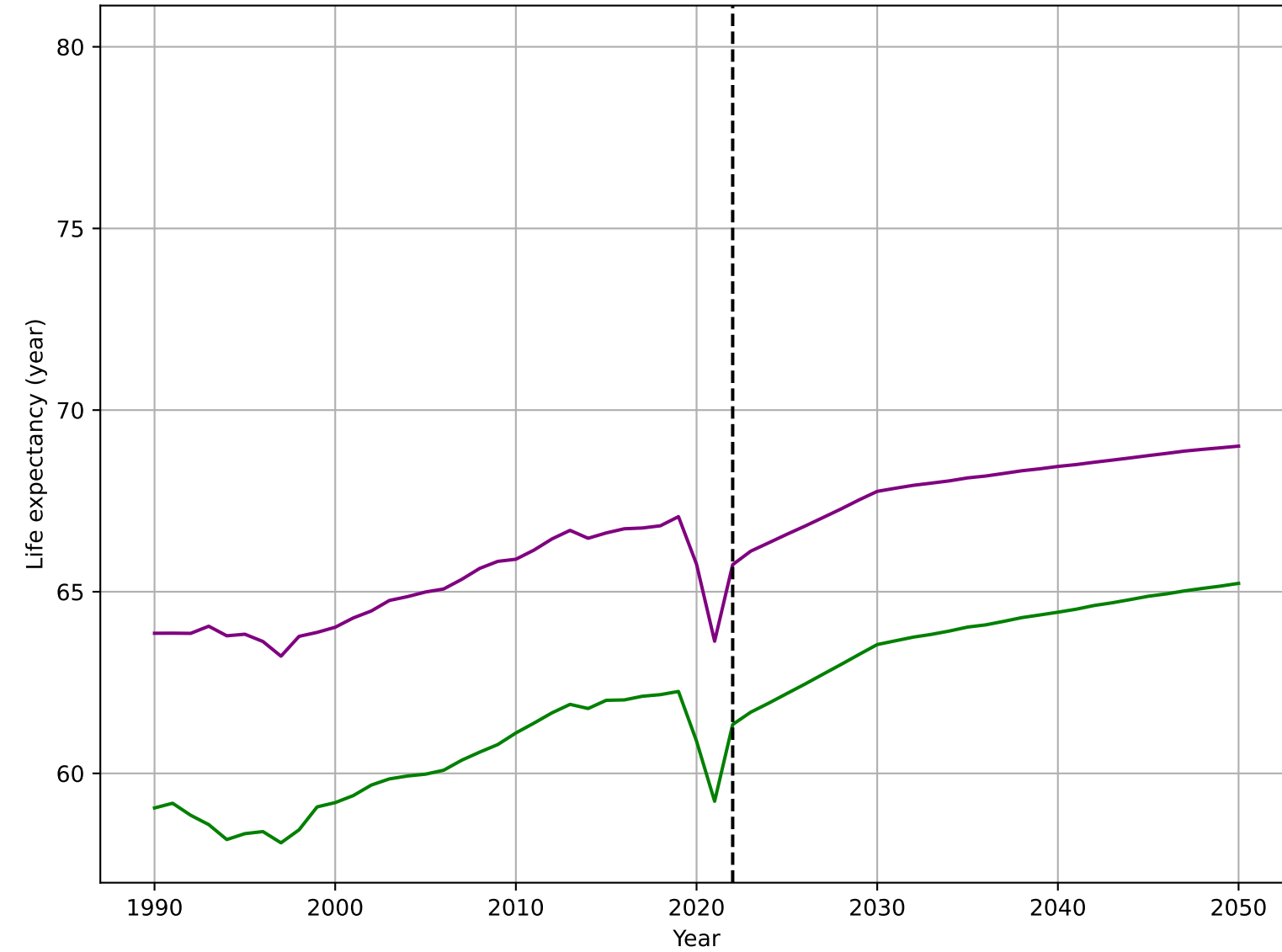


# Bulgaria

### Life Expectancy



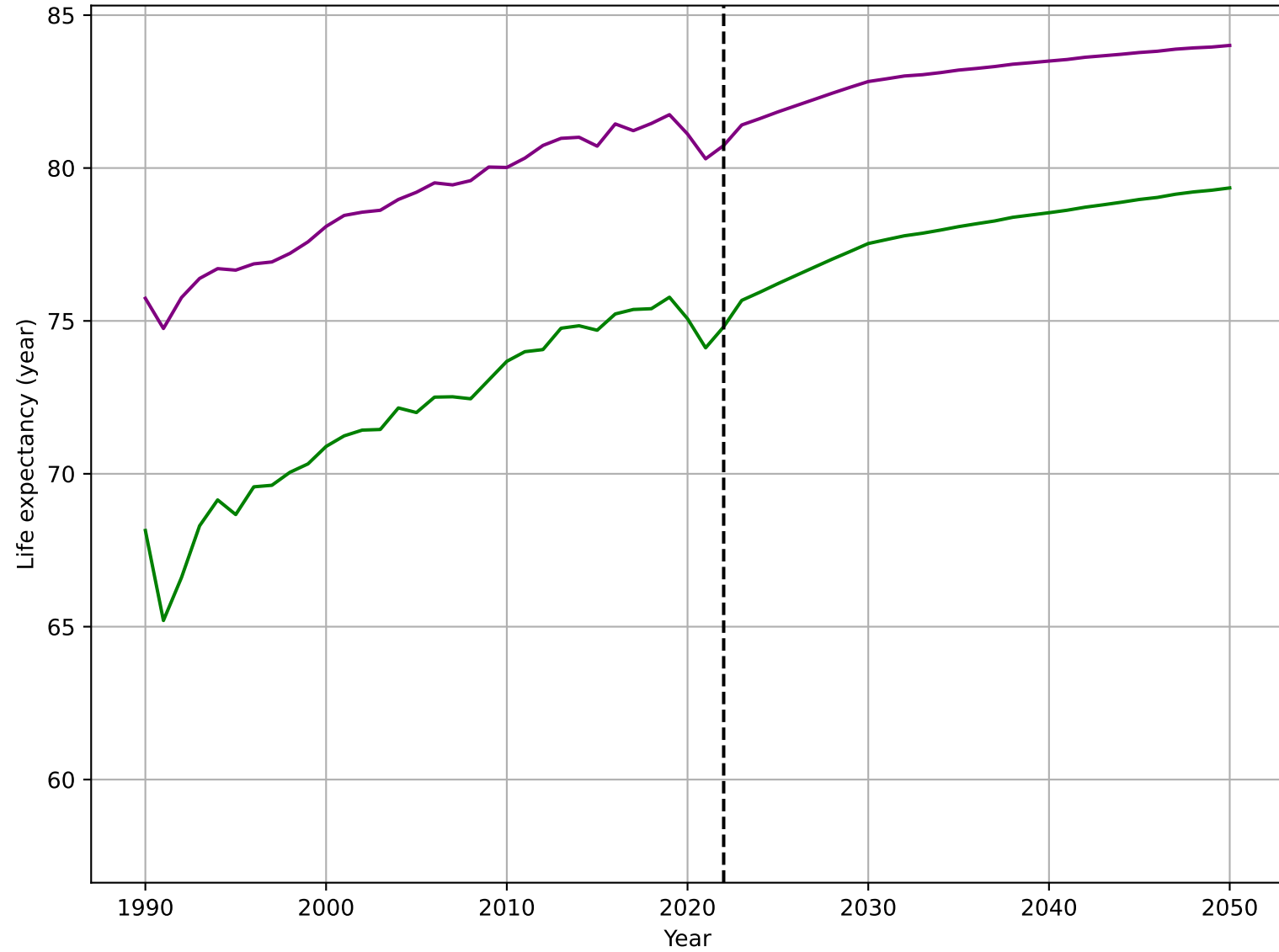
### Healthy Life Expectancy (HALE)



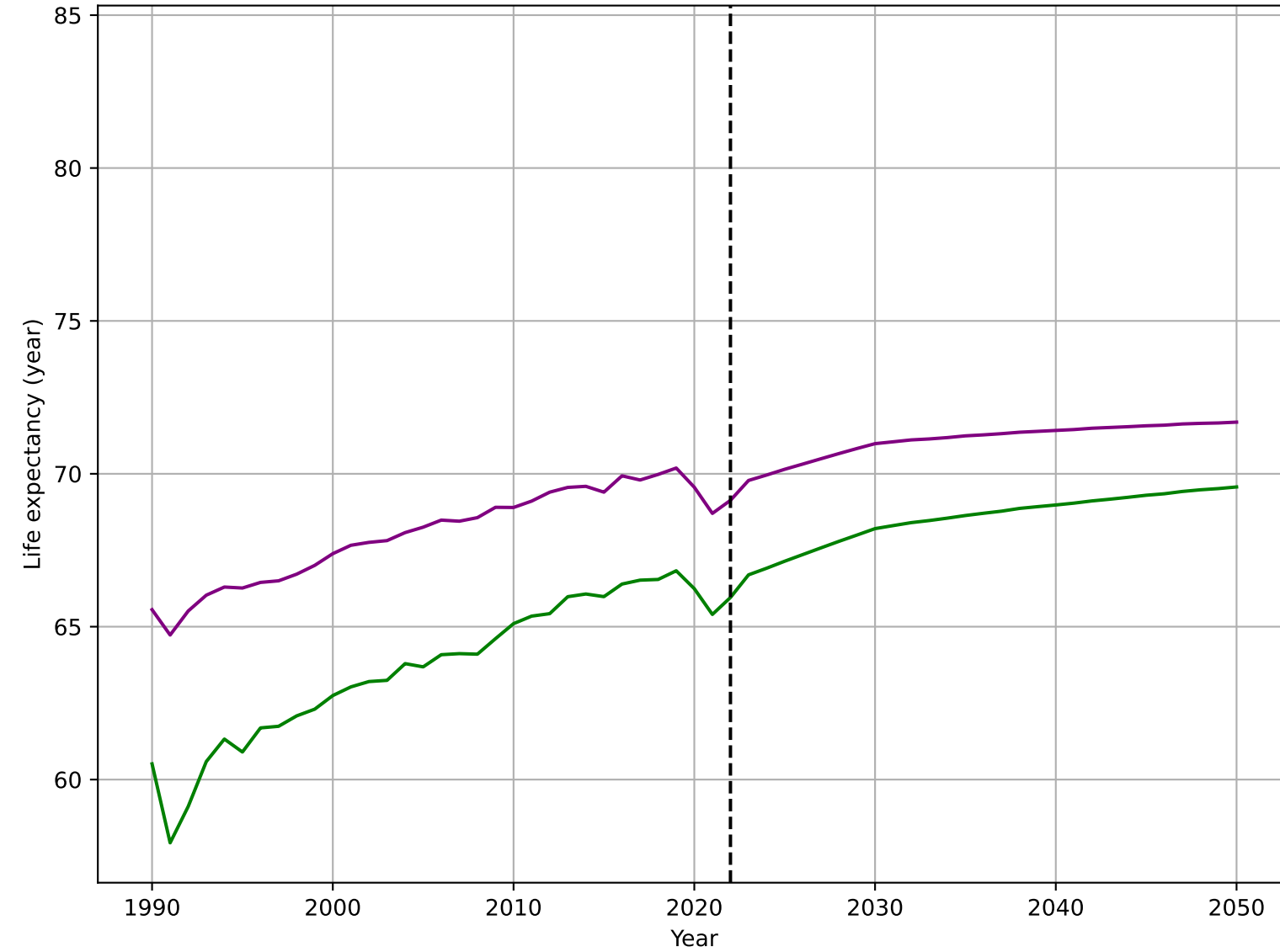


# Croatia

### Life Expectancy

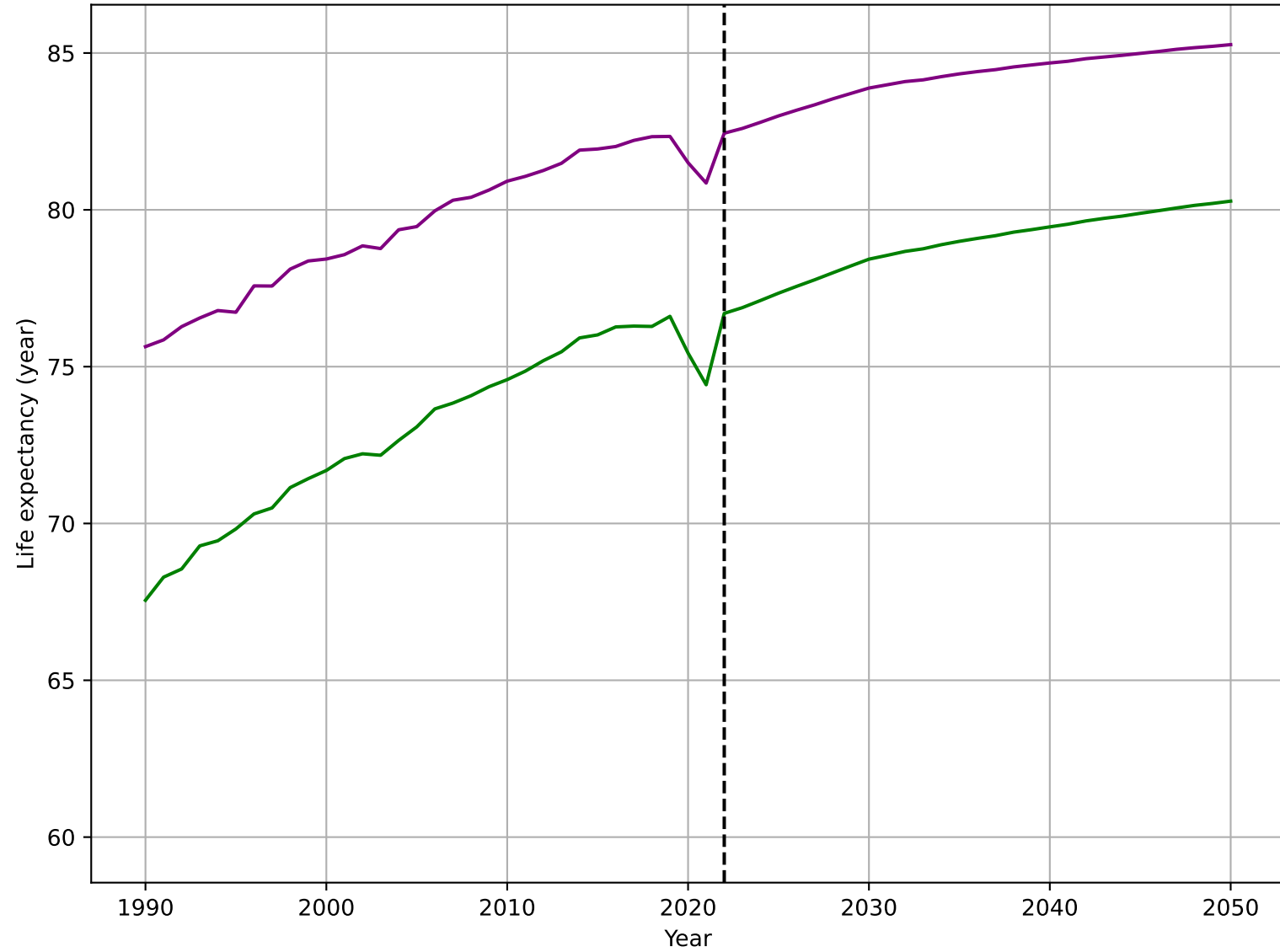


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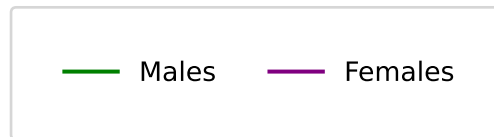
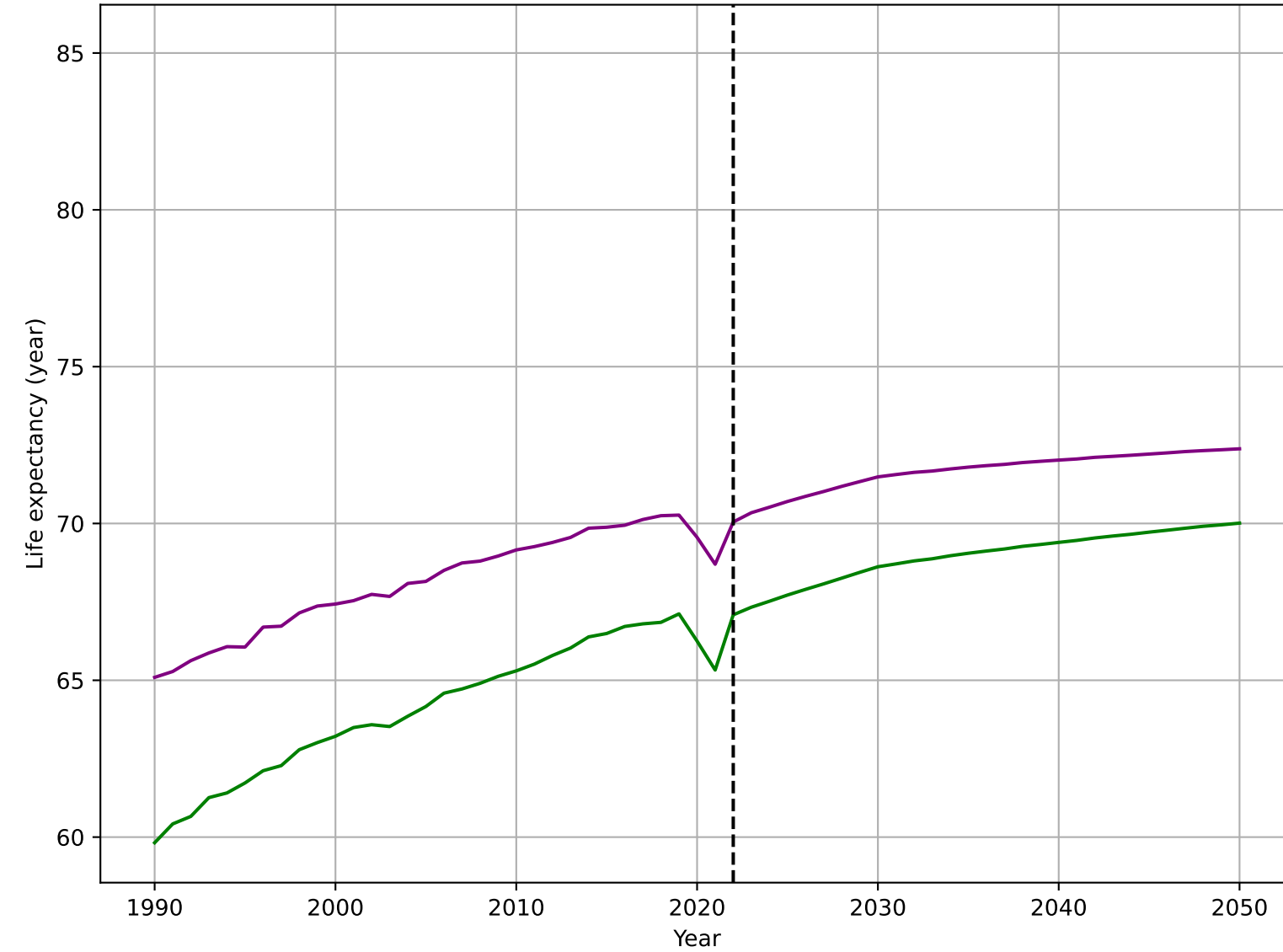


# Czechia

### Life Expectancy

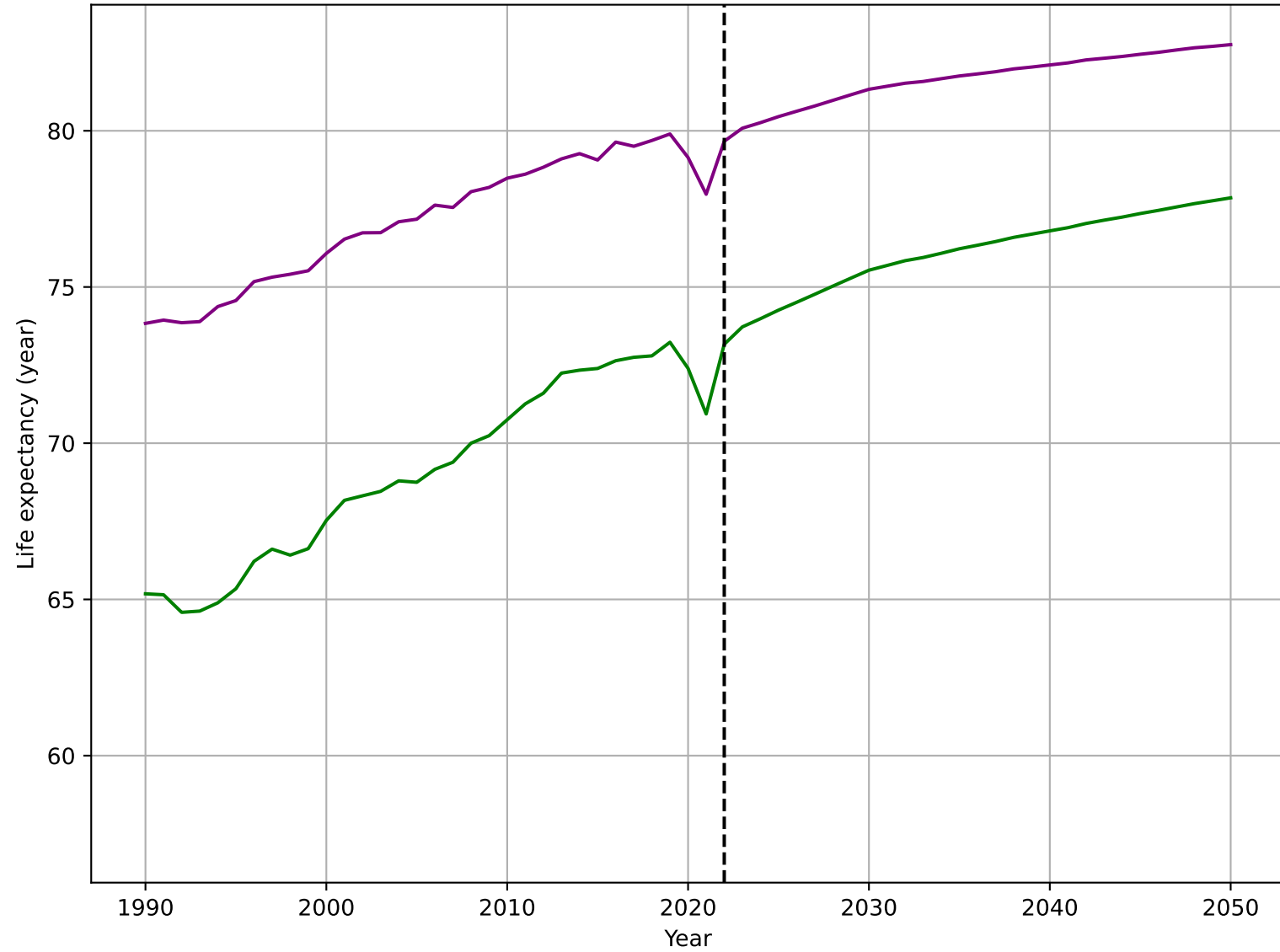


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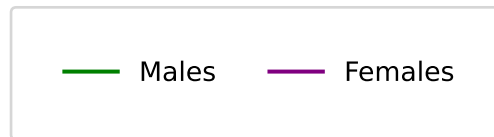
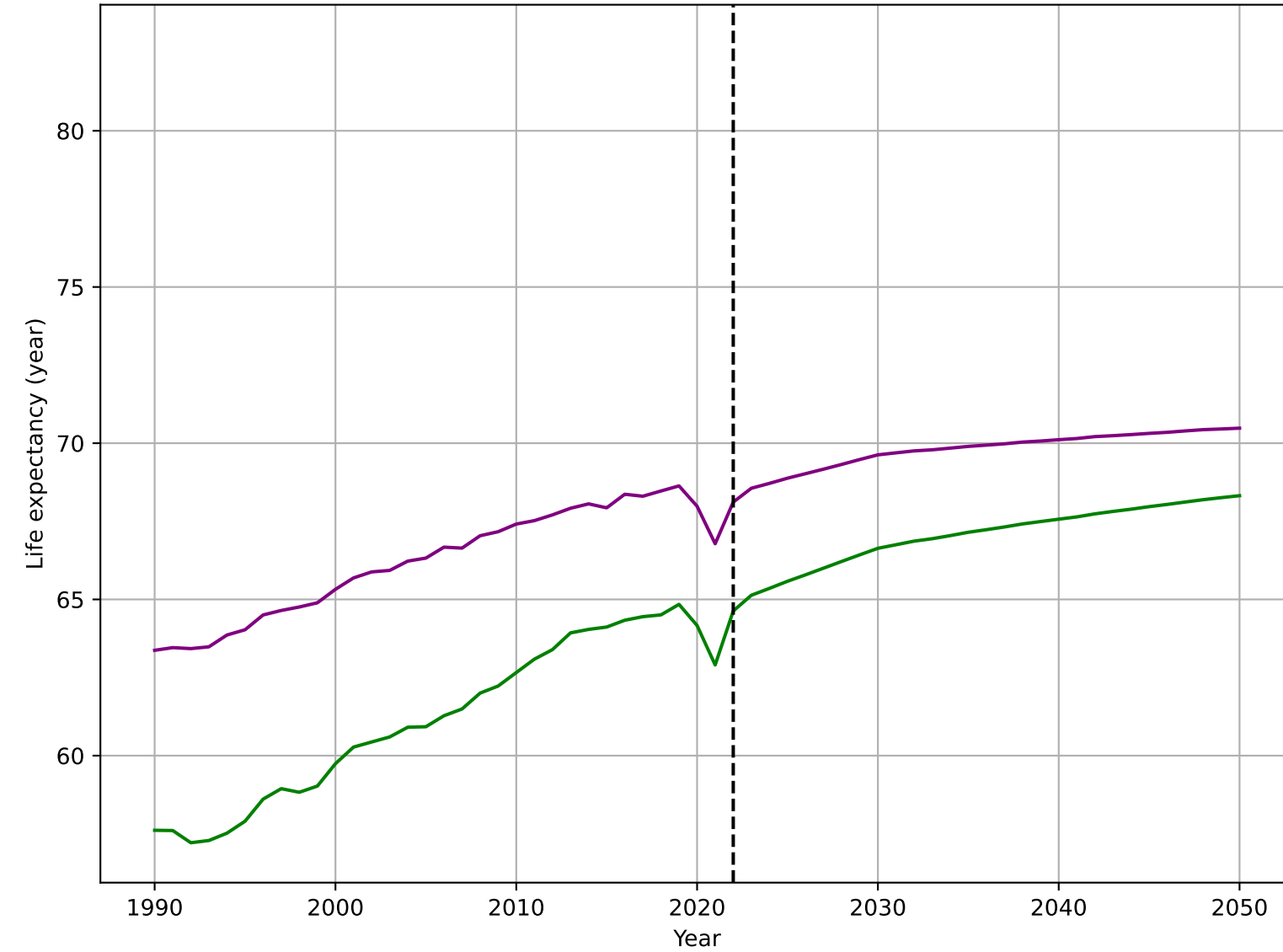


# Hungary

### Life Expectancy

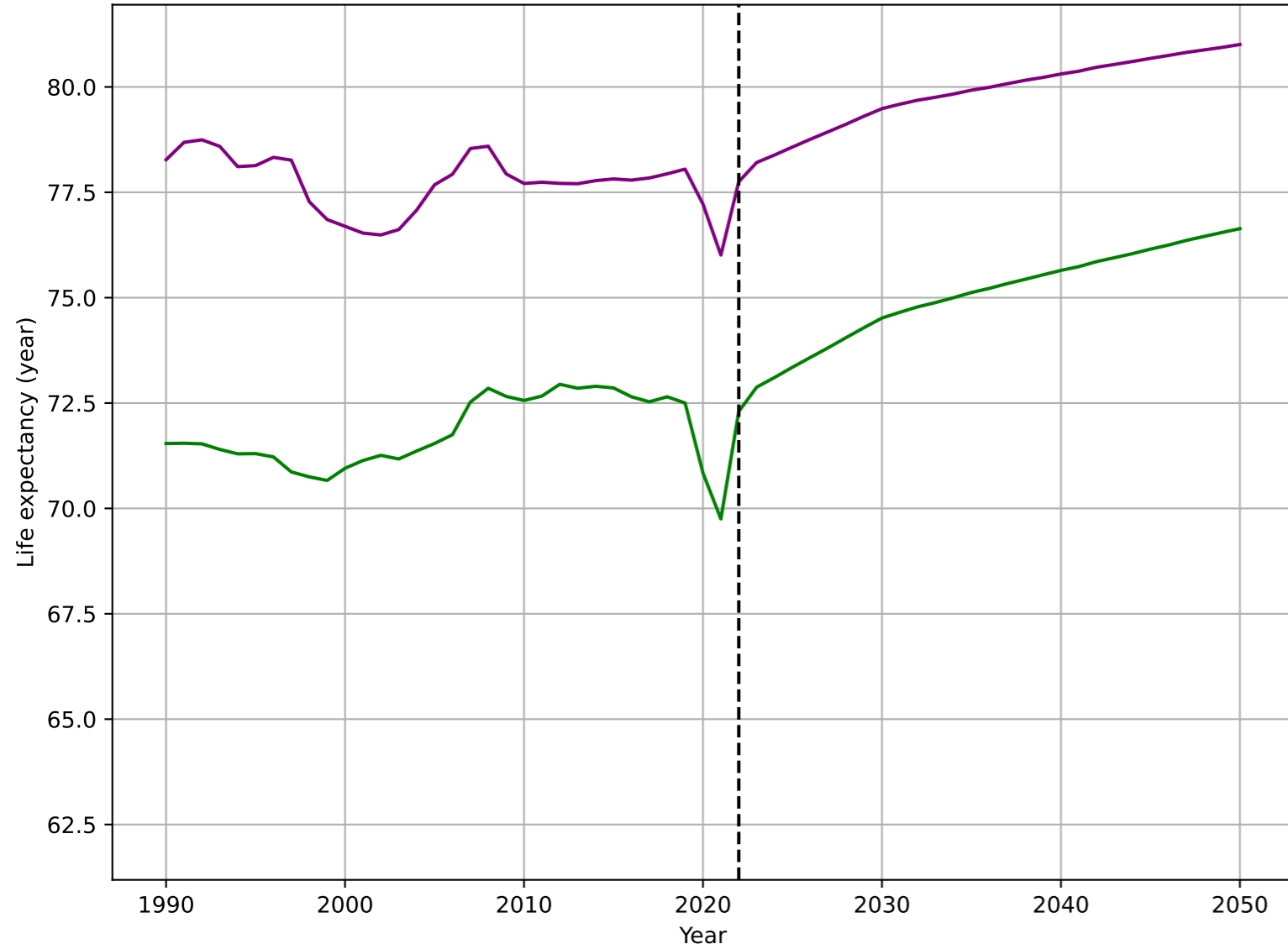


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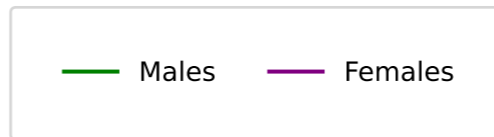
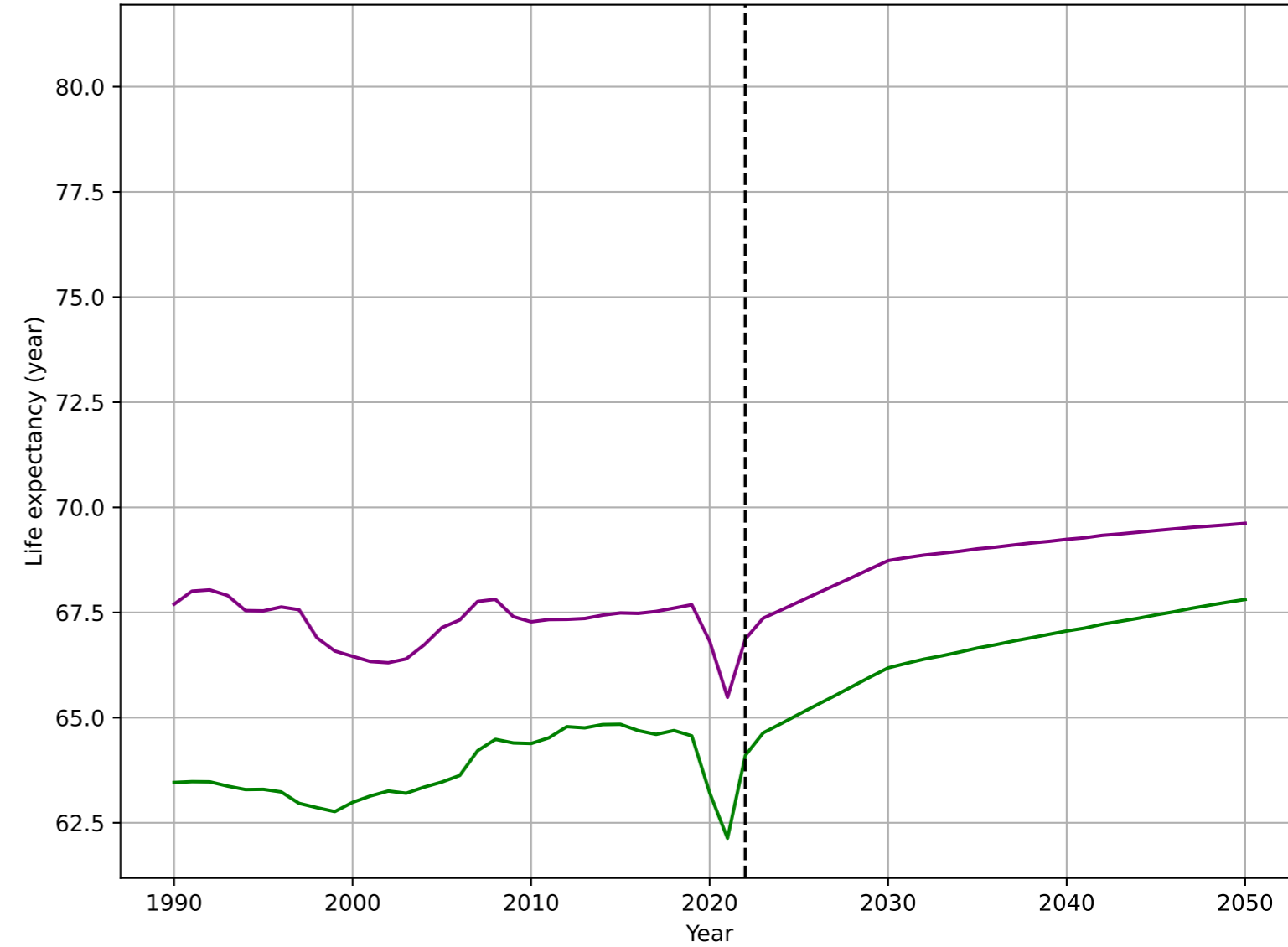


# Montenegro

### Life Expectancy

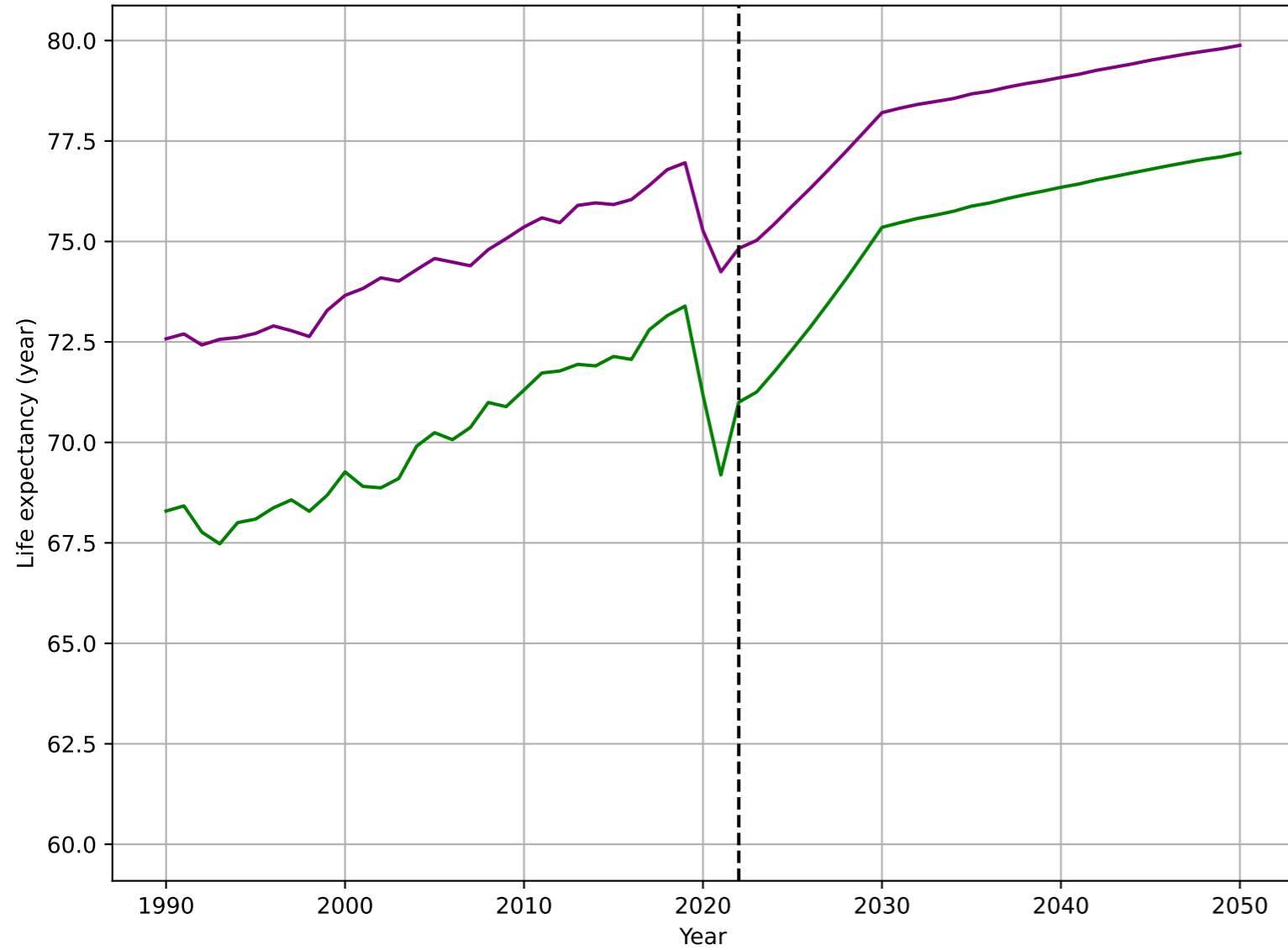


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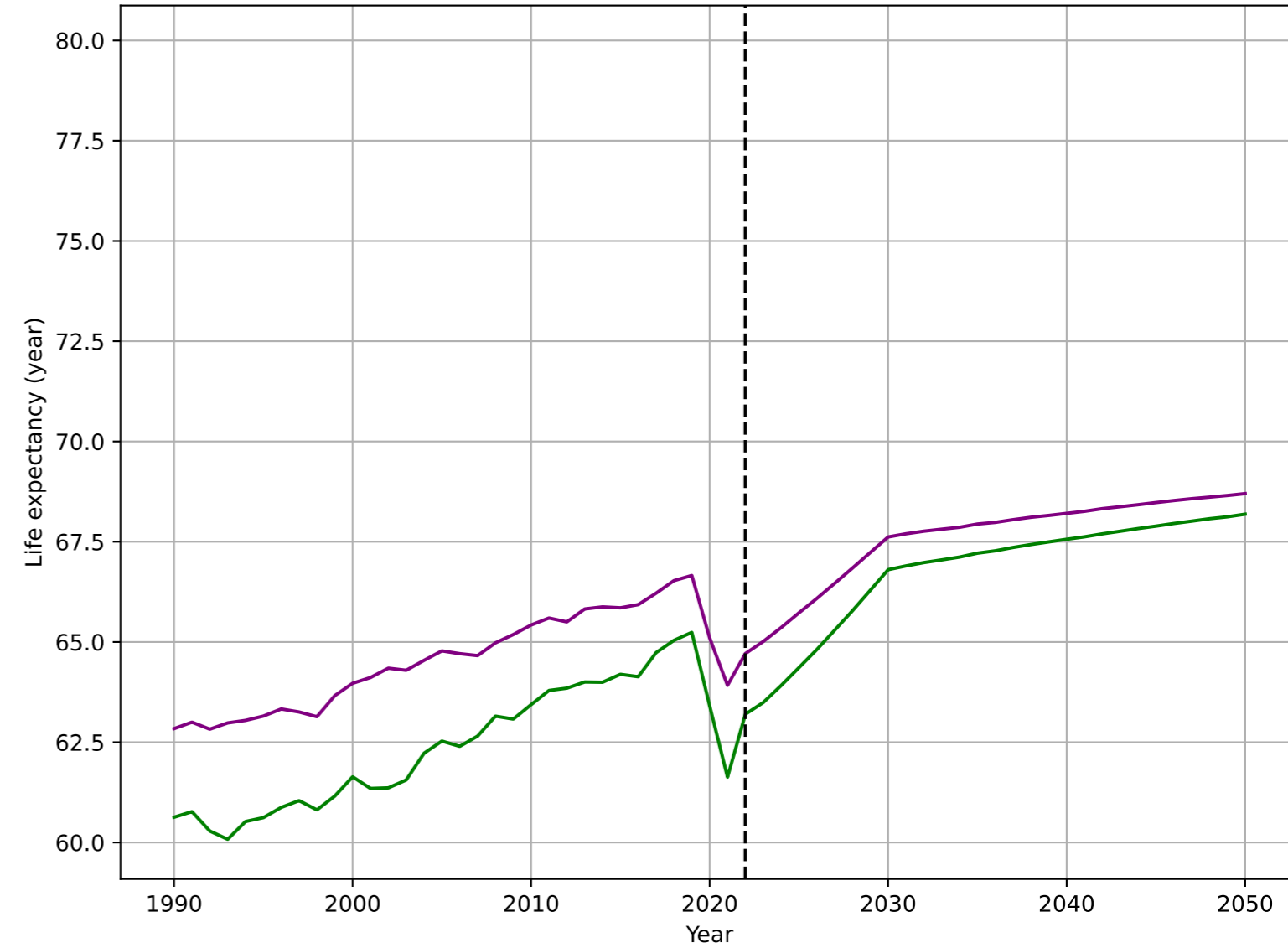


# North Macedonia

## Life Expectancy

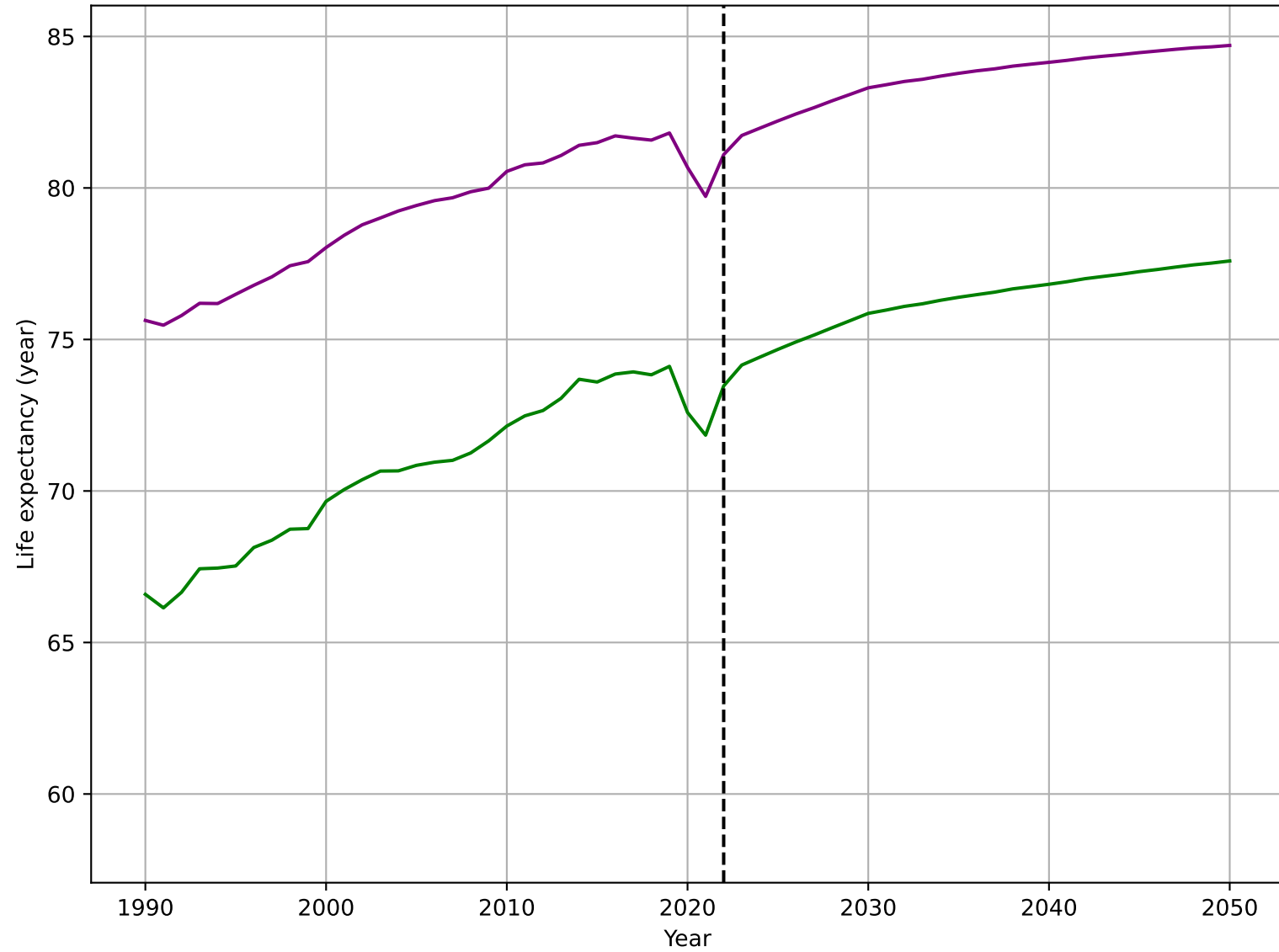


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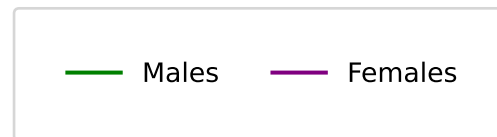
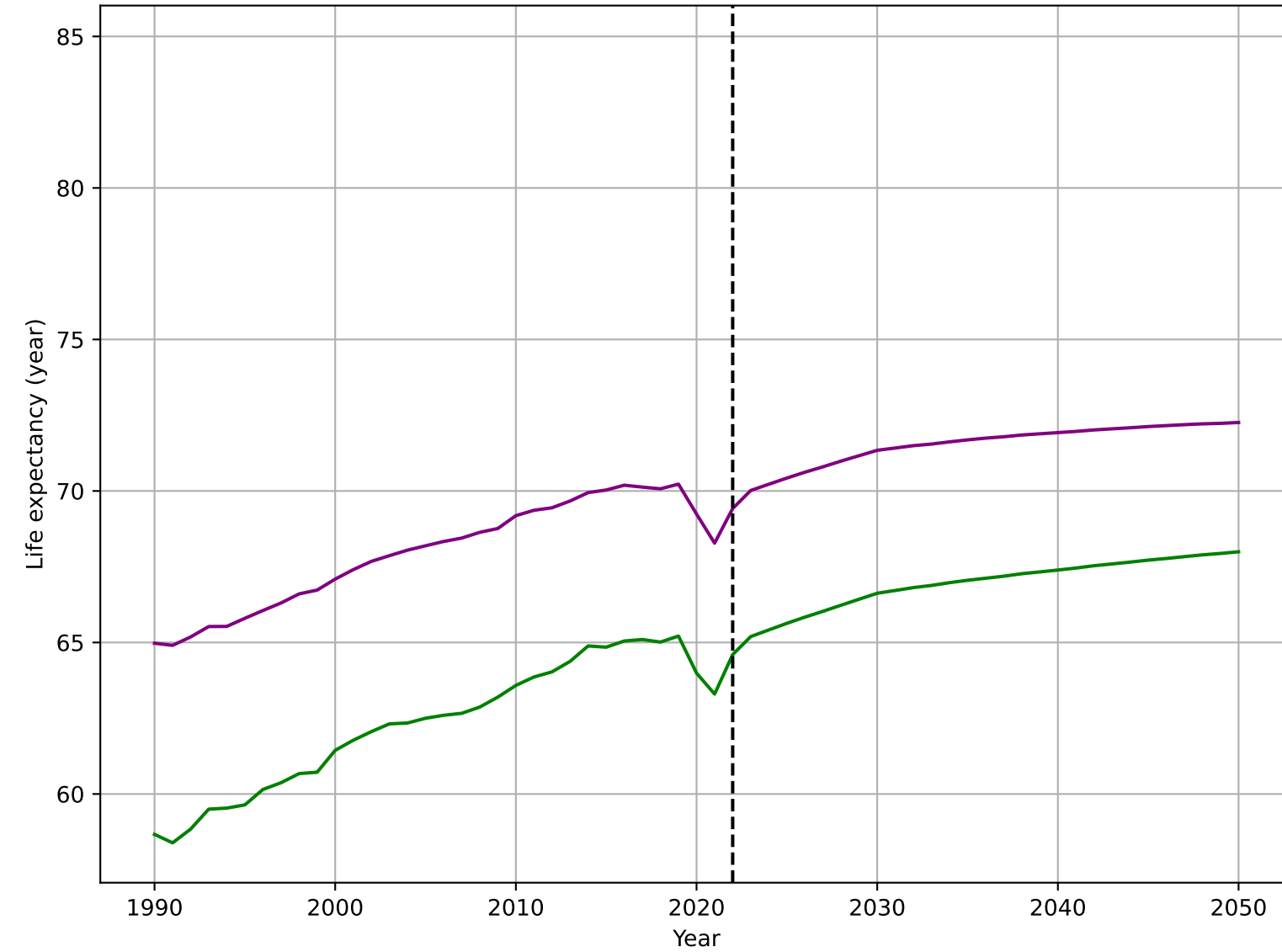


# Poland

### Life Expectancy

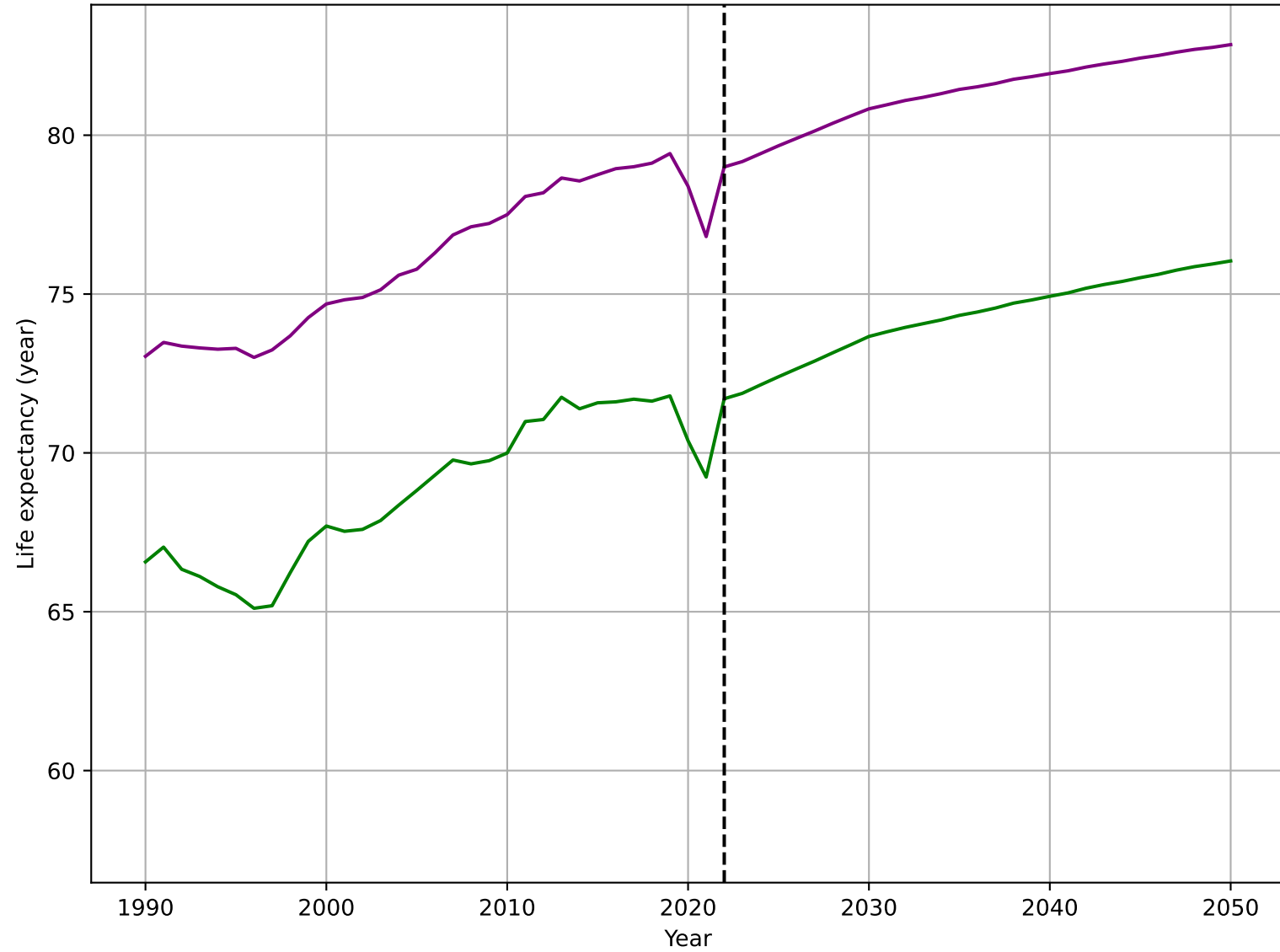


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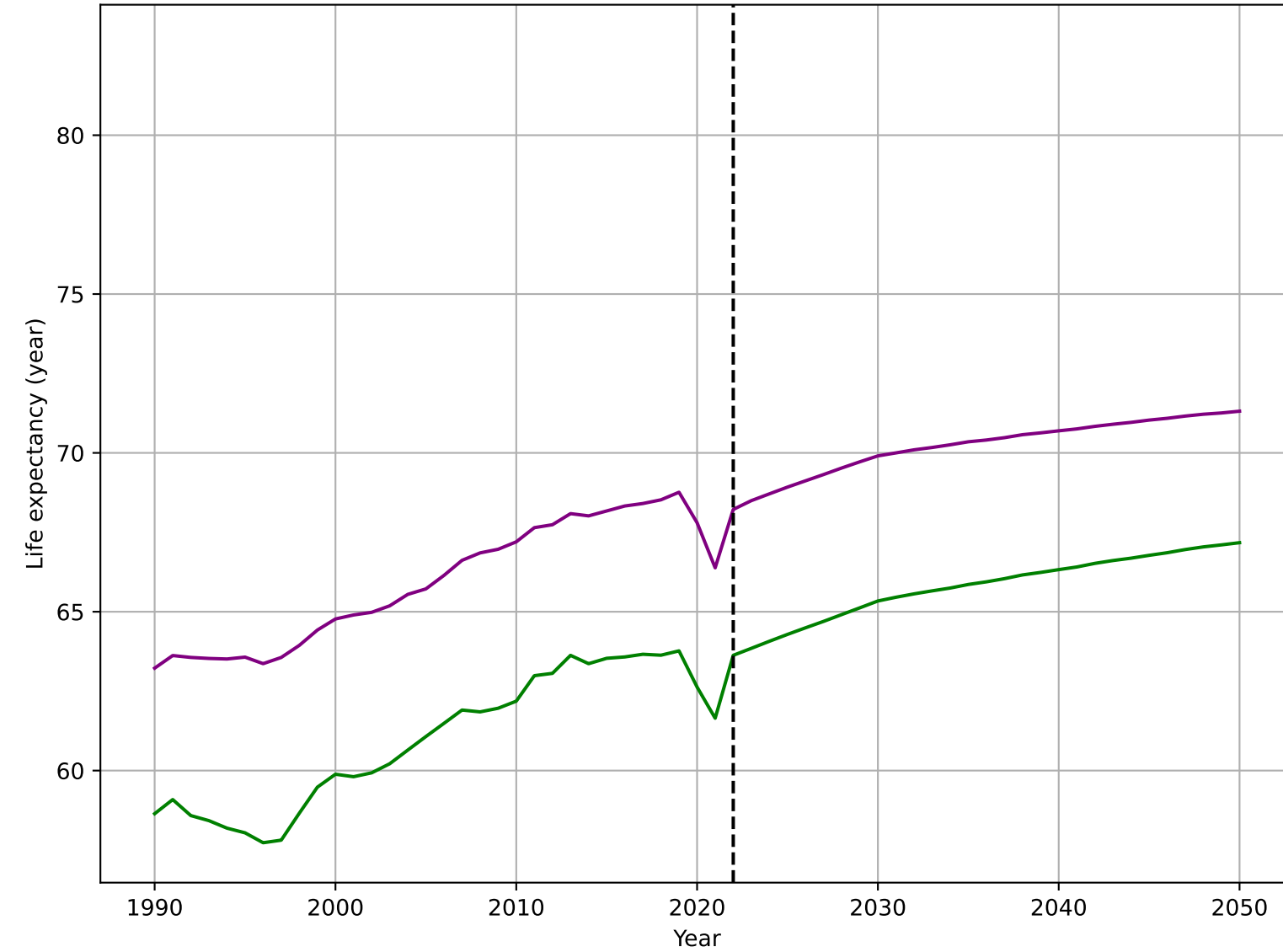


# Romania

### Life Expectancy

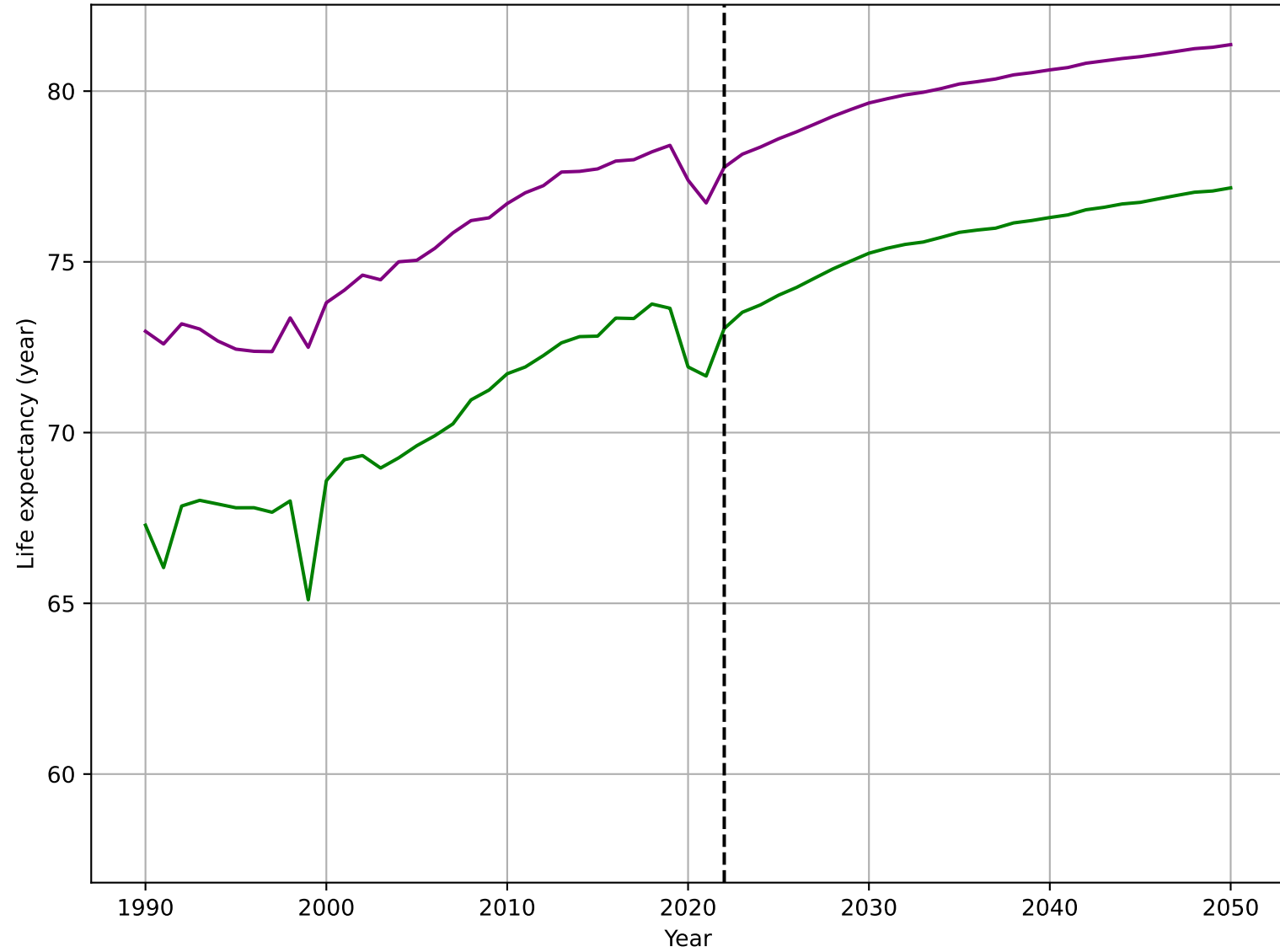


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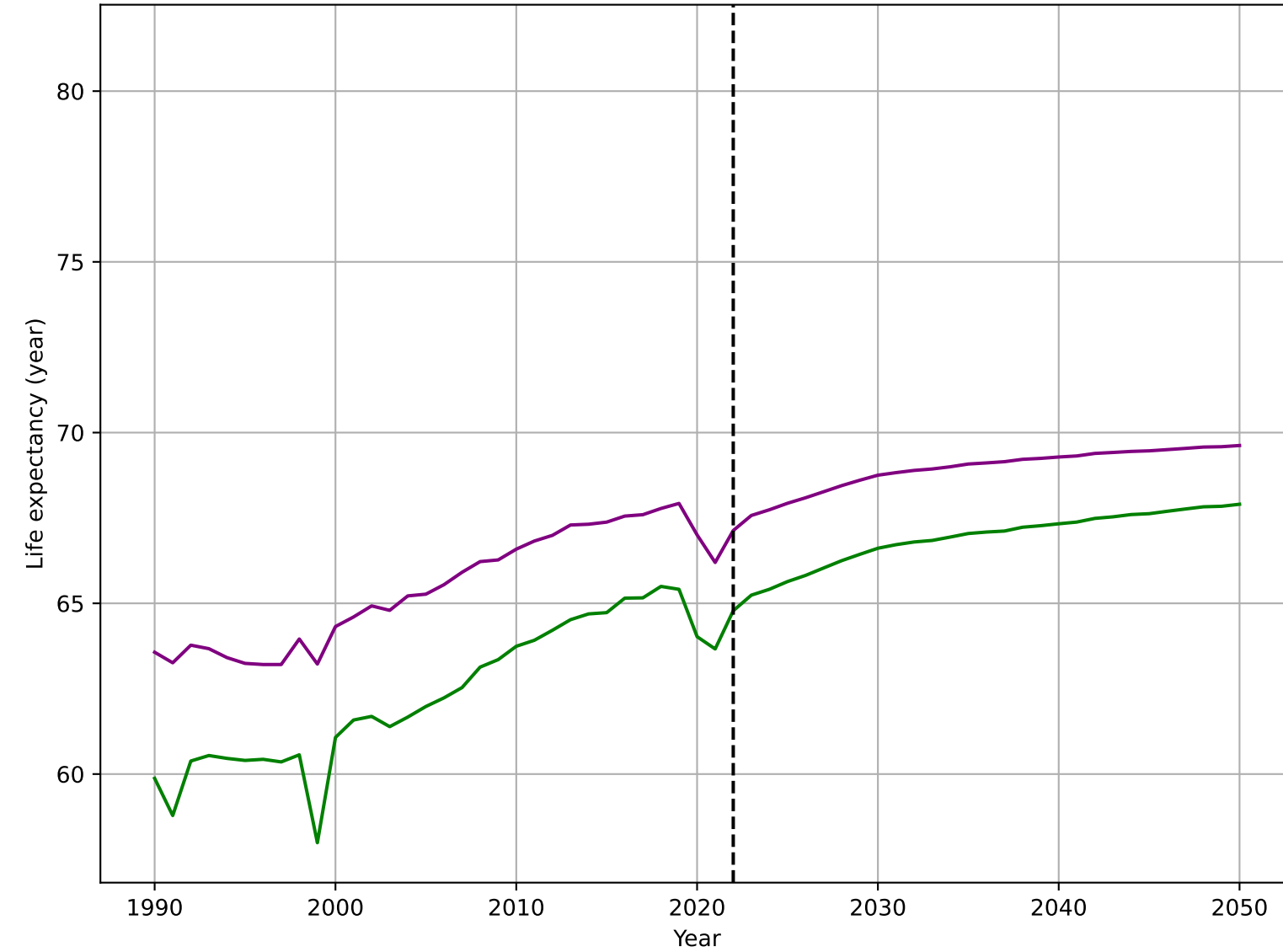


# Serbia

### Life Expectancy



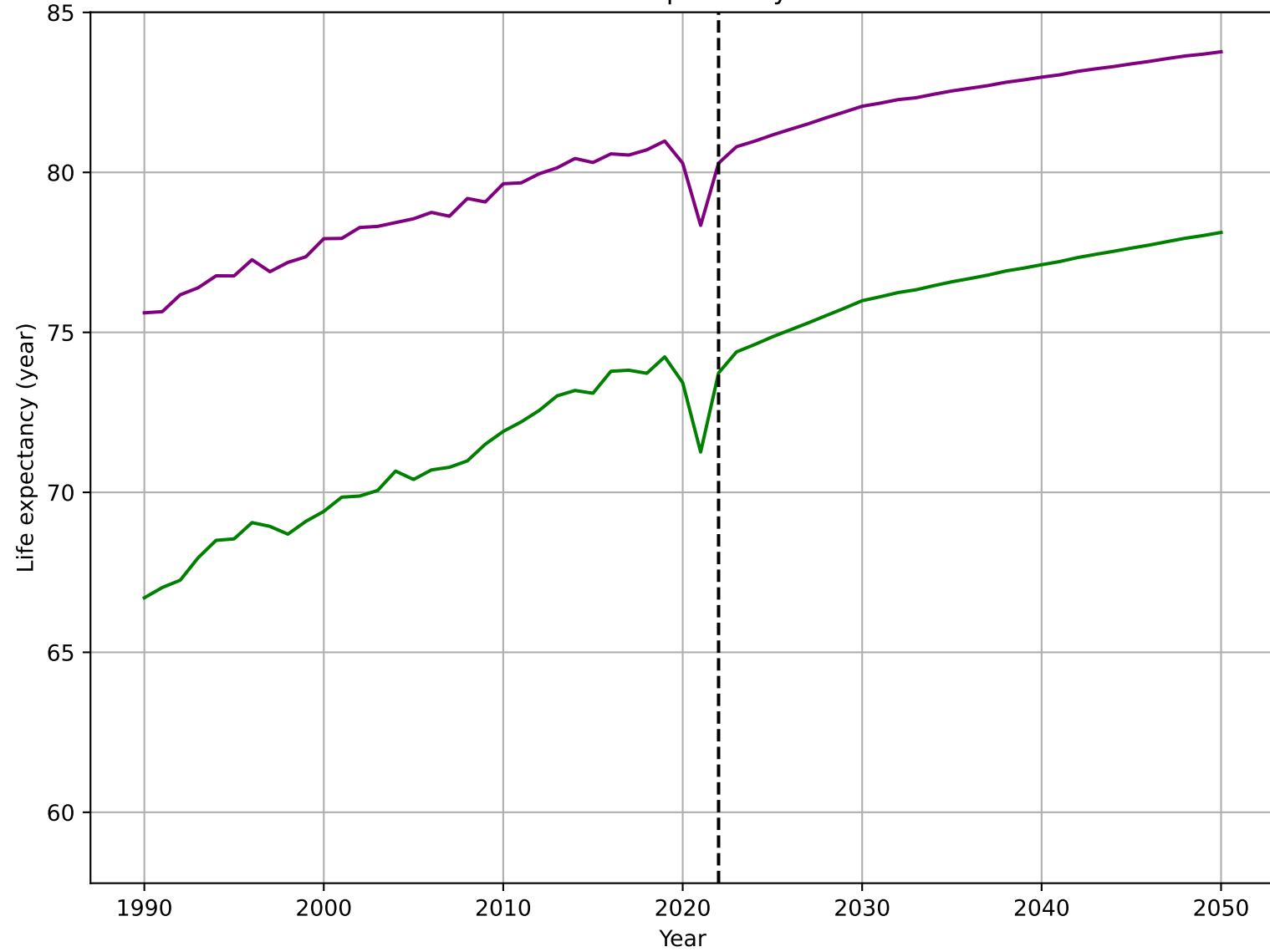
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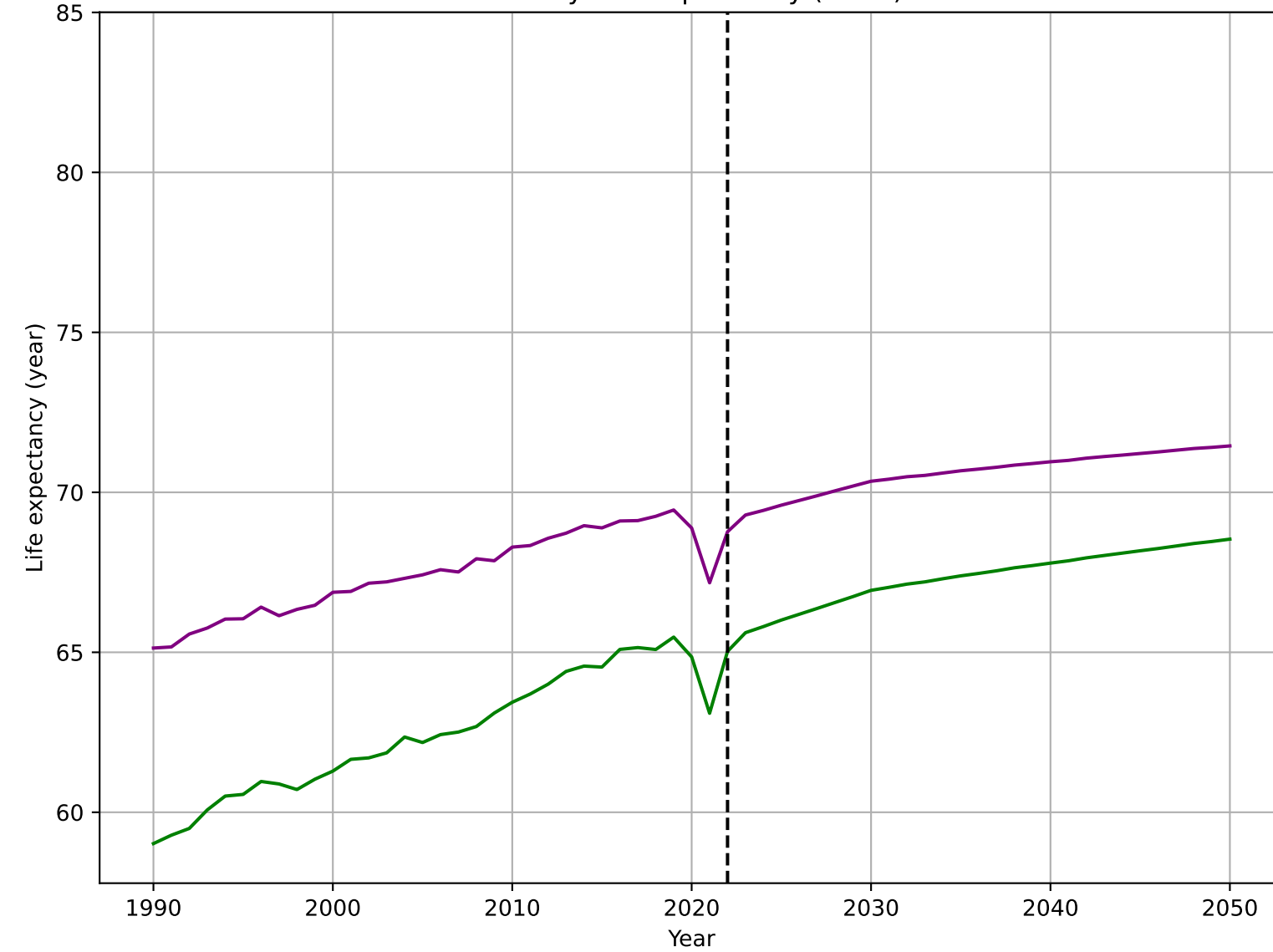


# Slovakia

### Life Expectancy

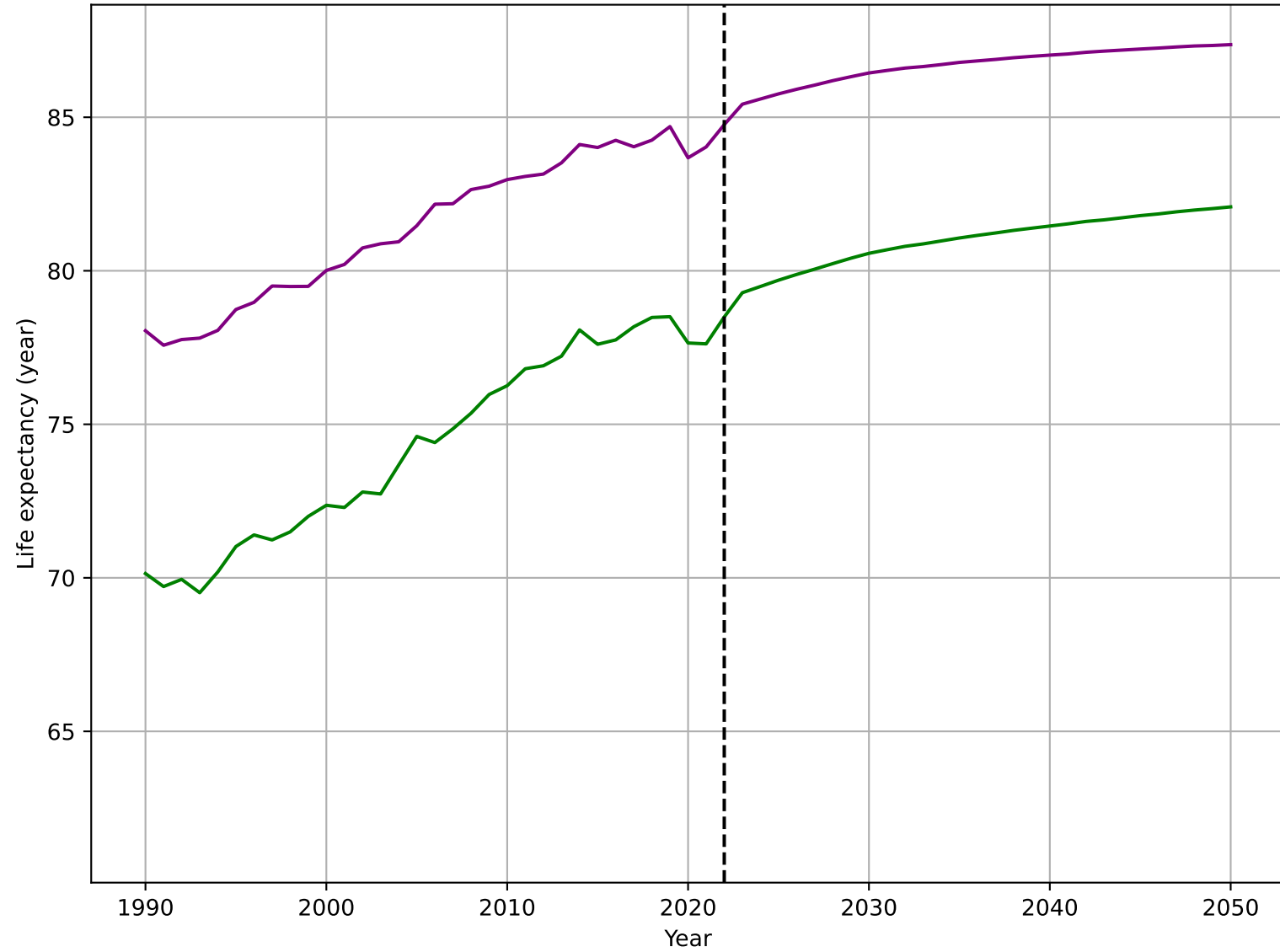


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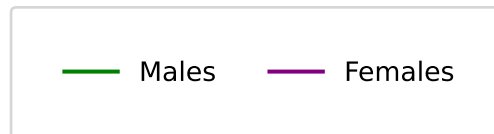
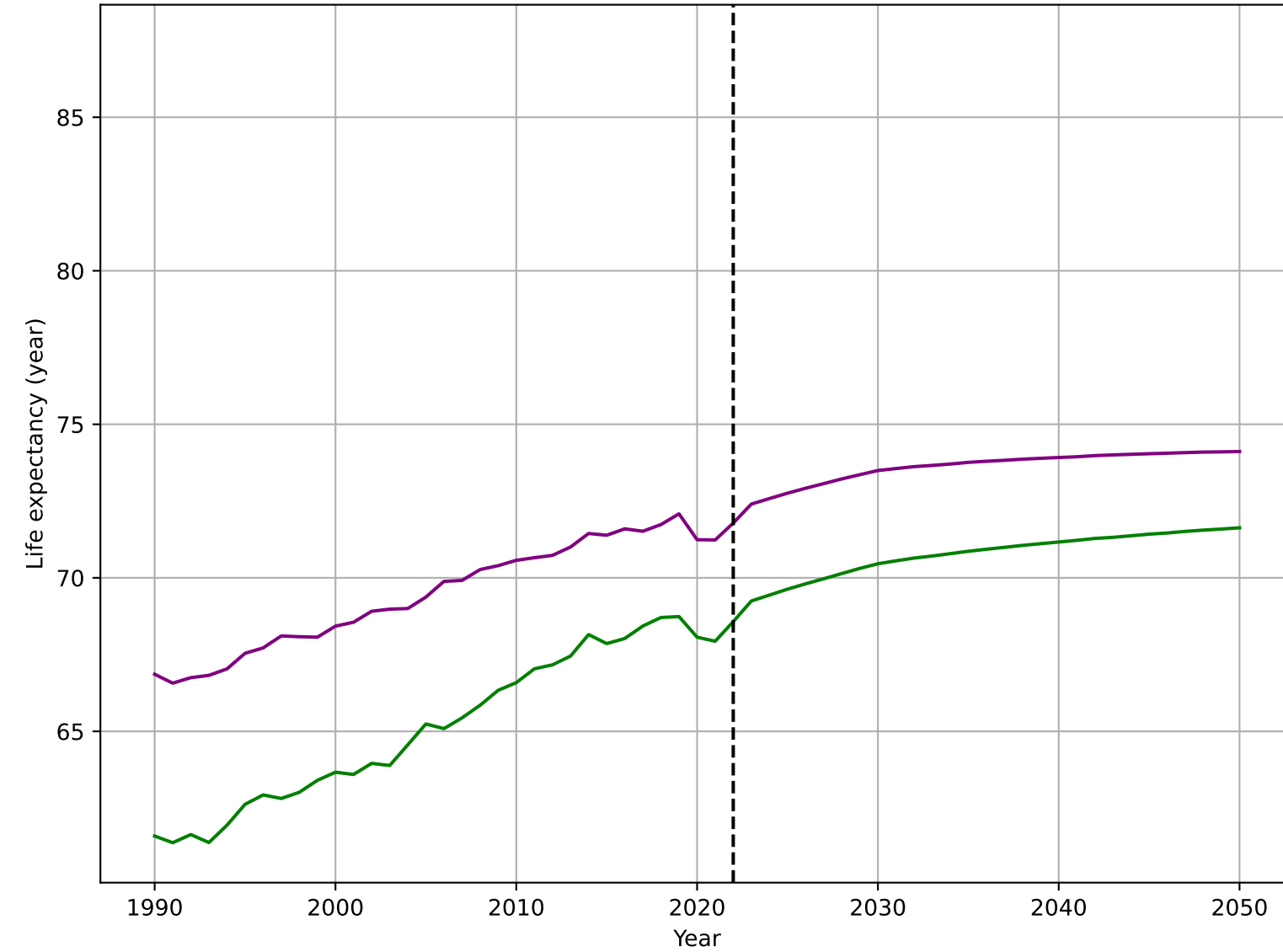


# Slovenia

### Life Expectancy

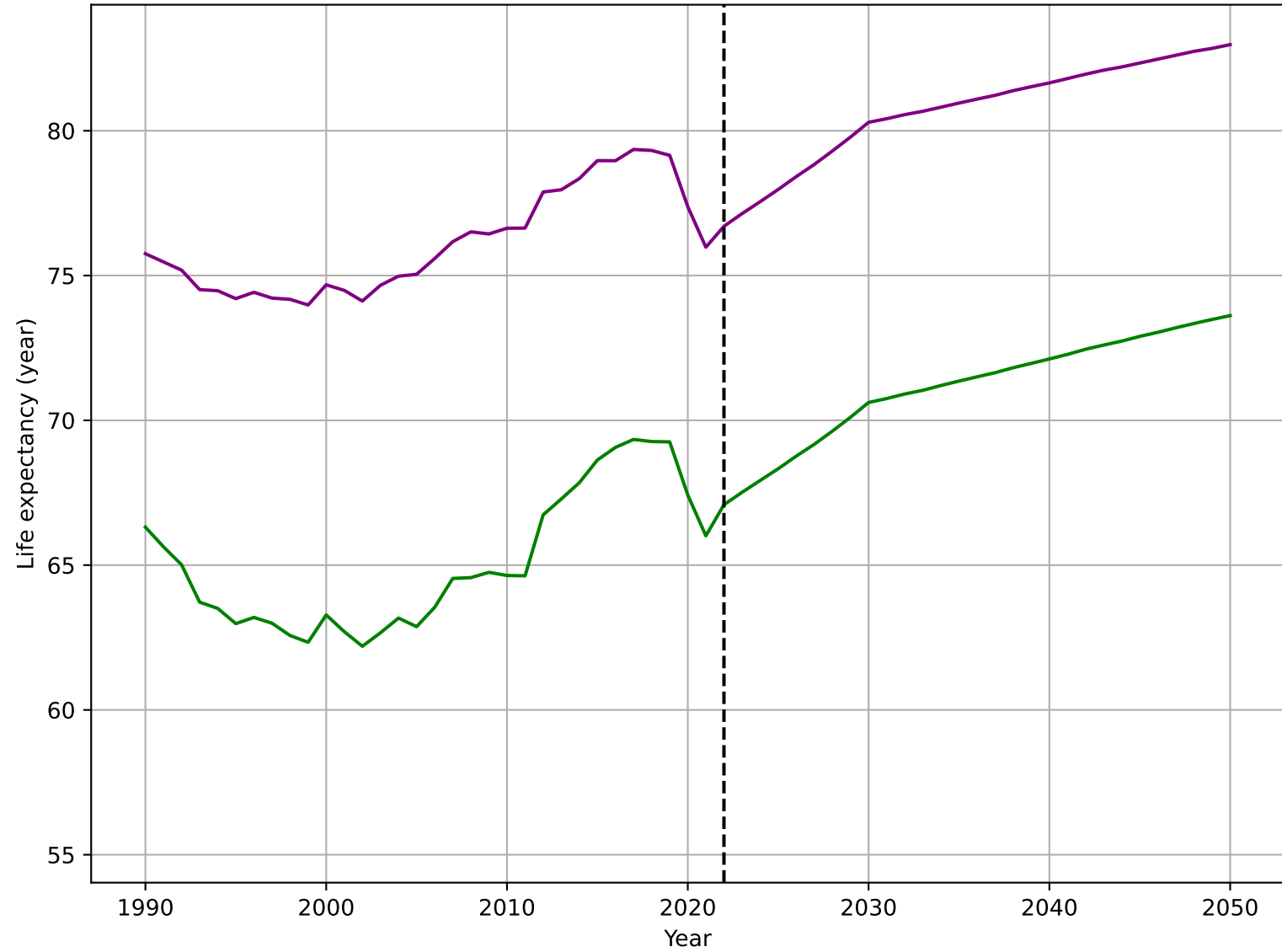


### Healthy Life Expectancy (HALE)

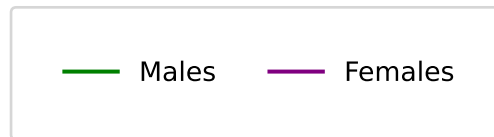
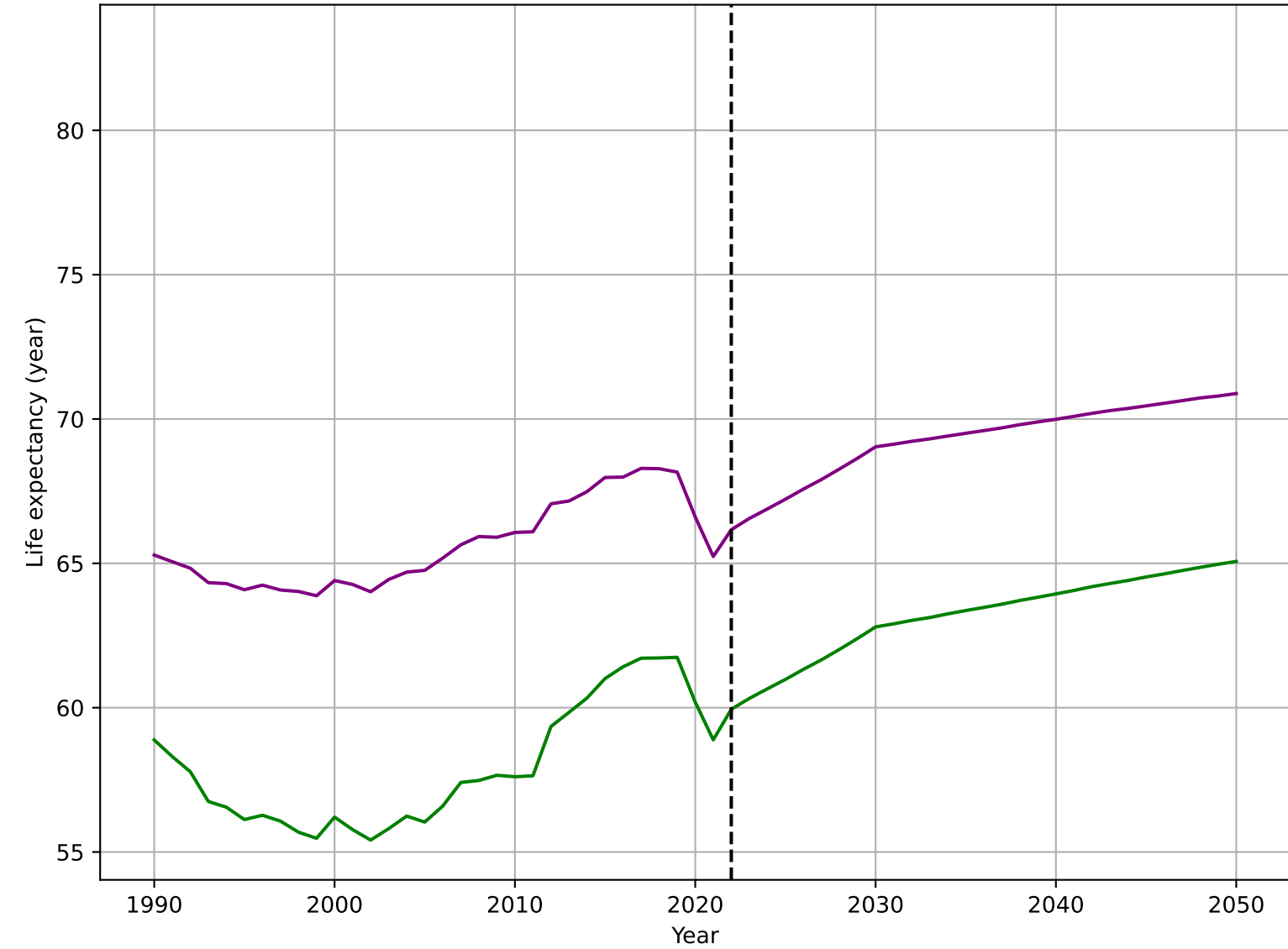


# Belarus

### Life Expectancy

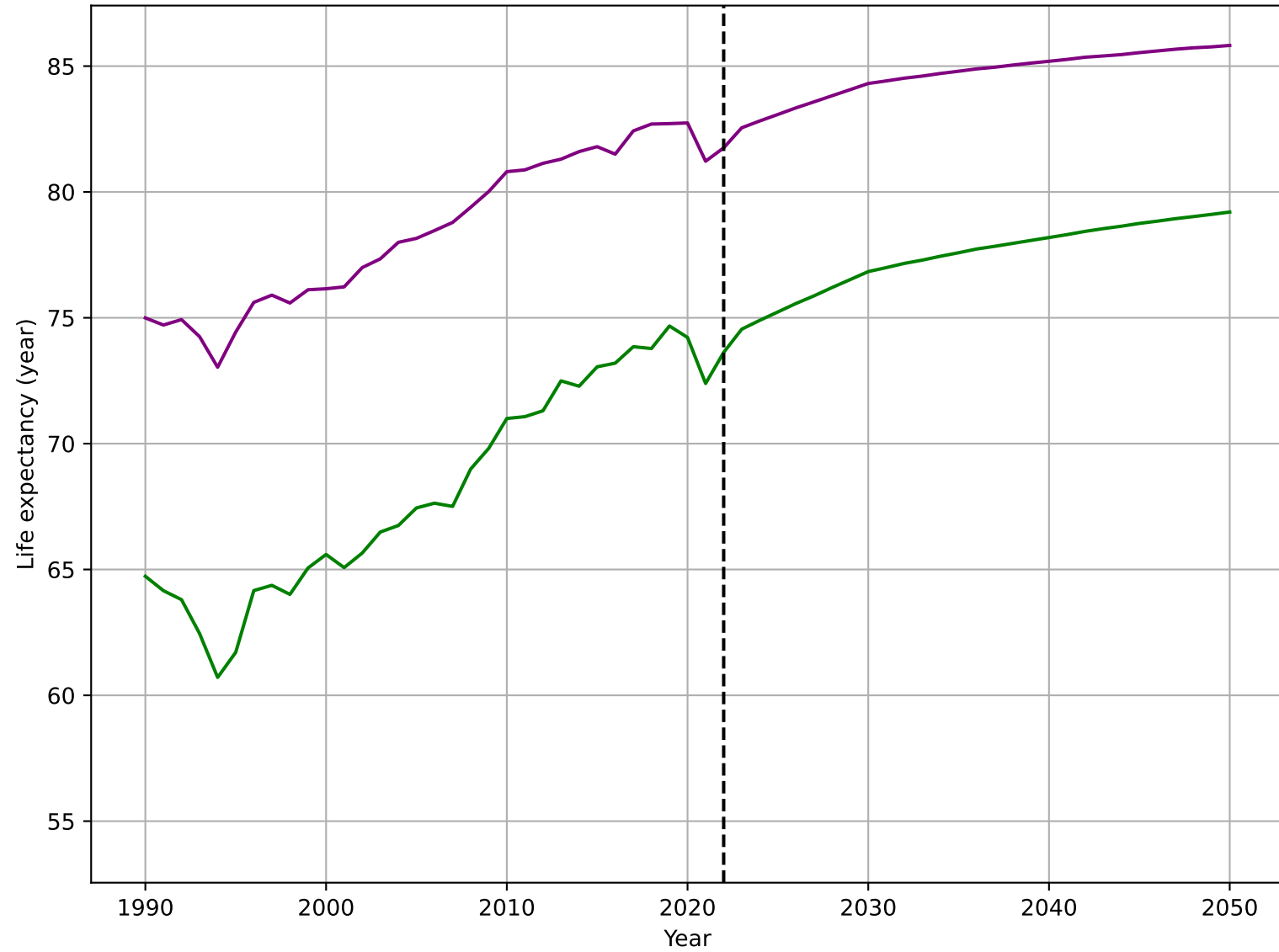


### Healthy Life Expectancy (HALE)

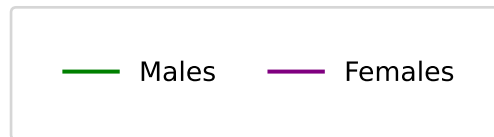
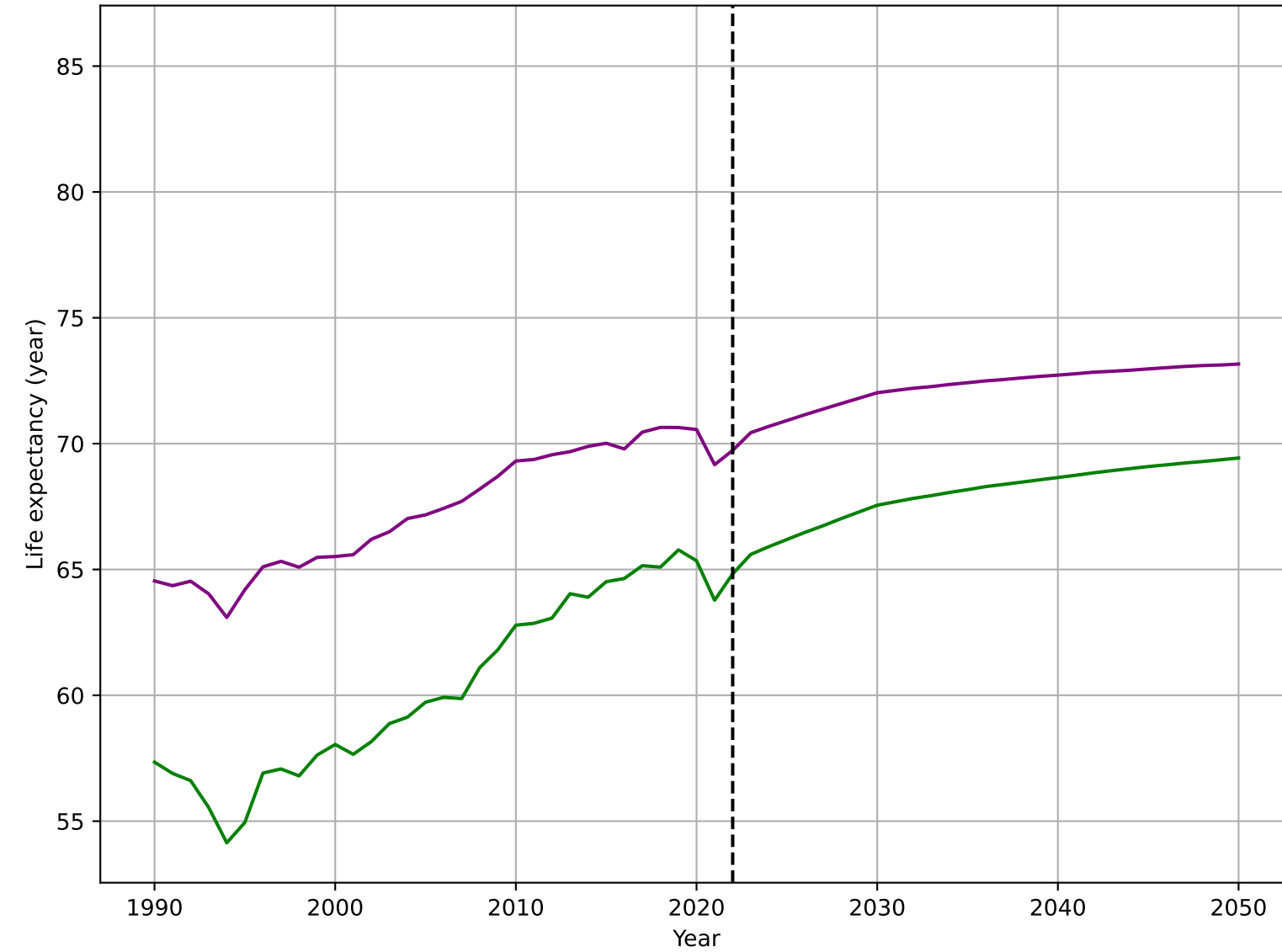


# Estonia

### Life Expectancy

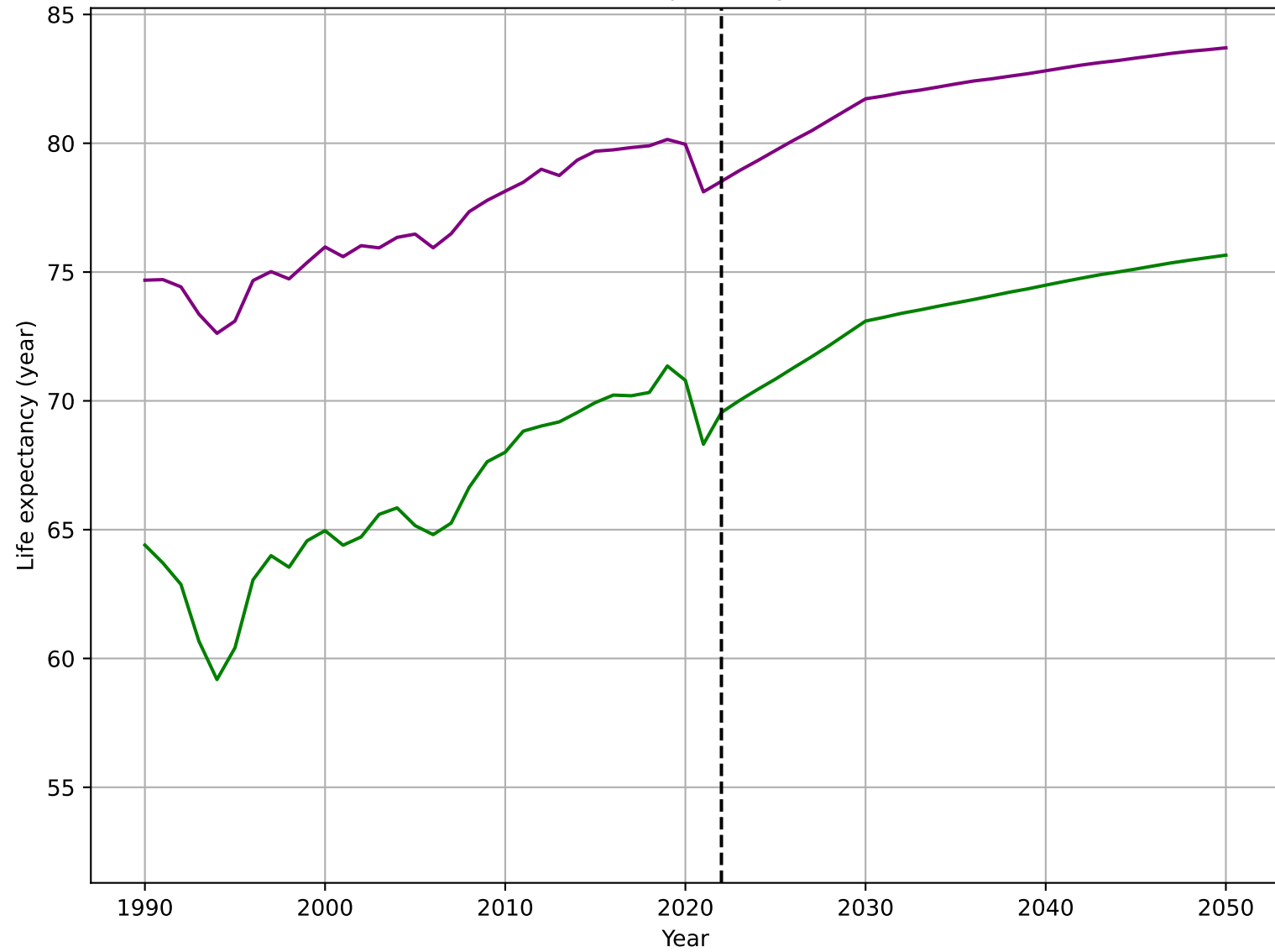


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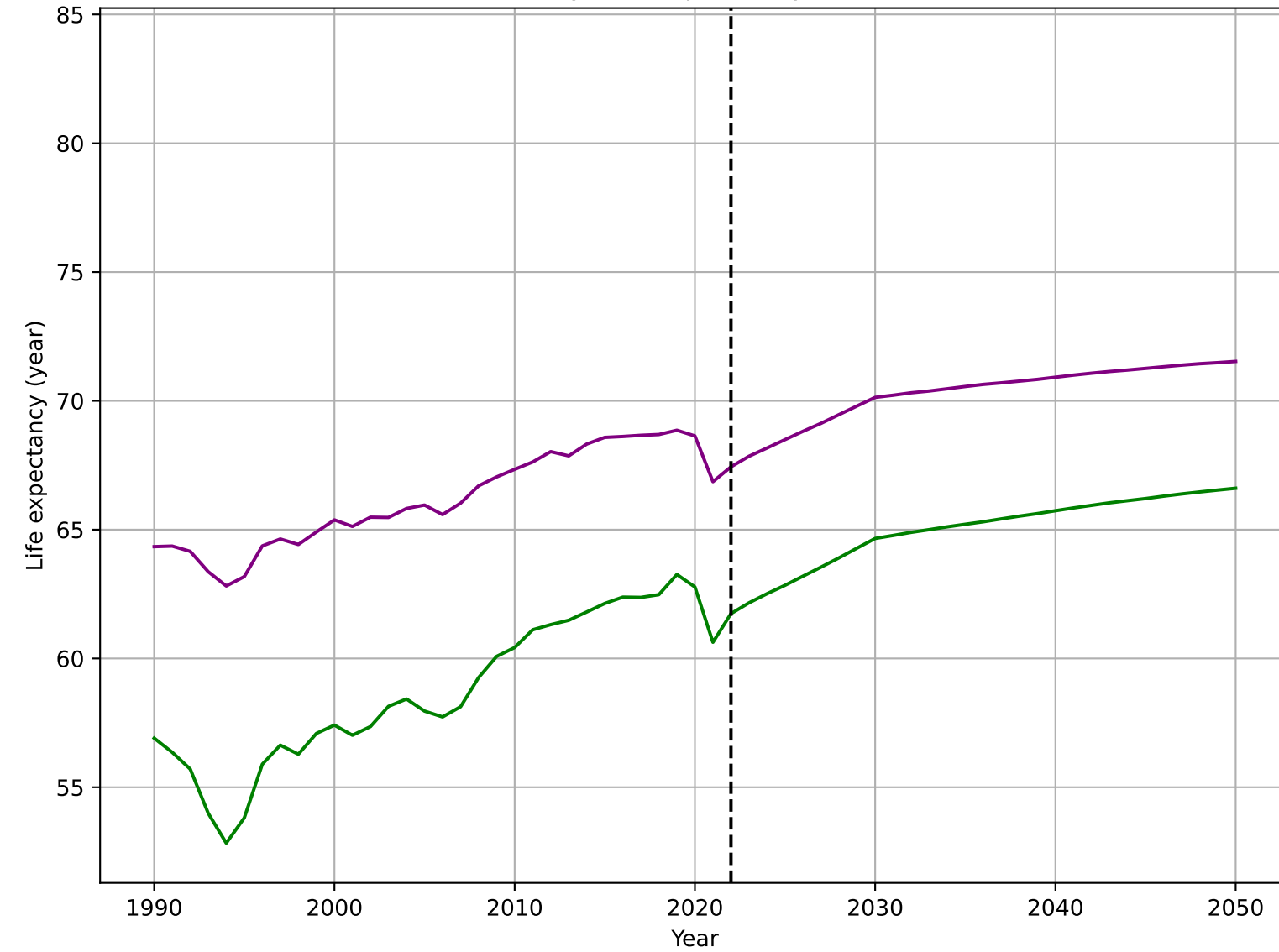


# Latvia

### Life Expectancy

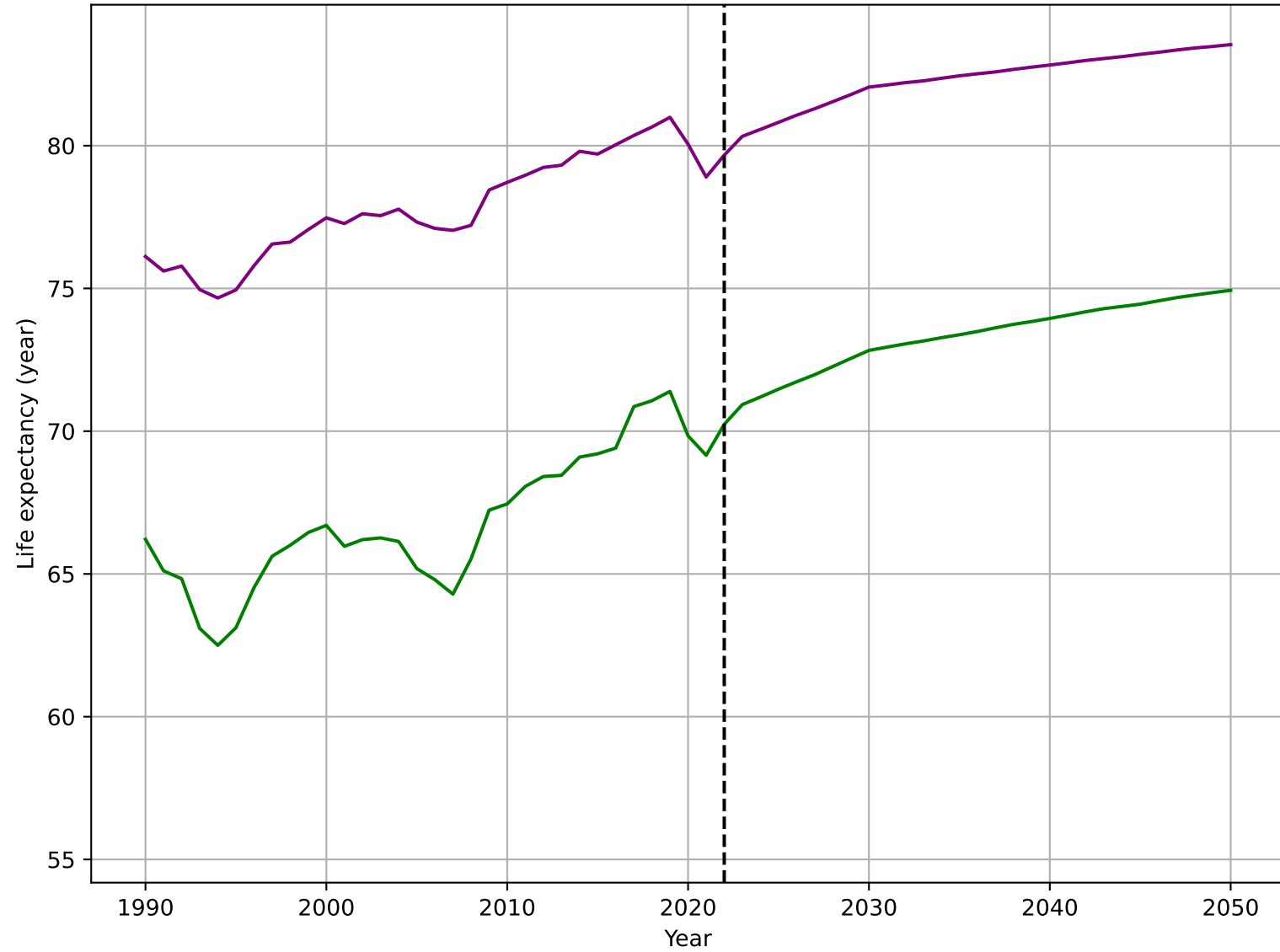


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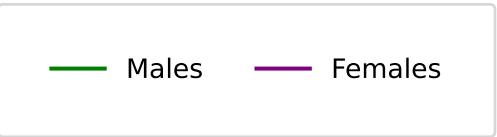
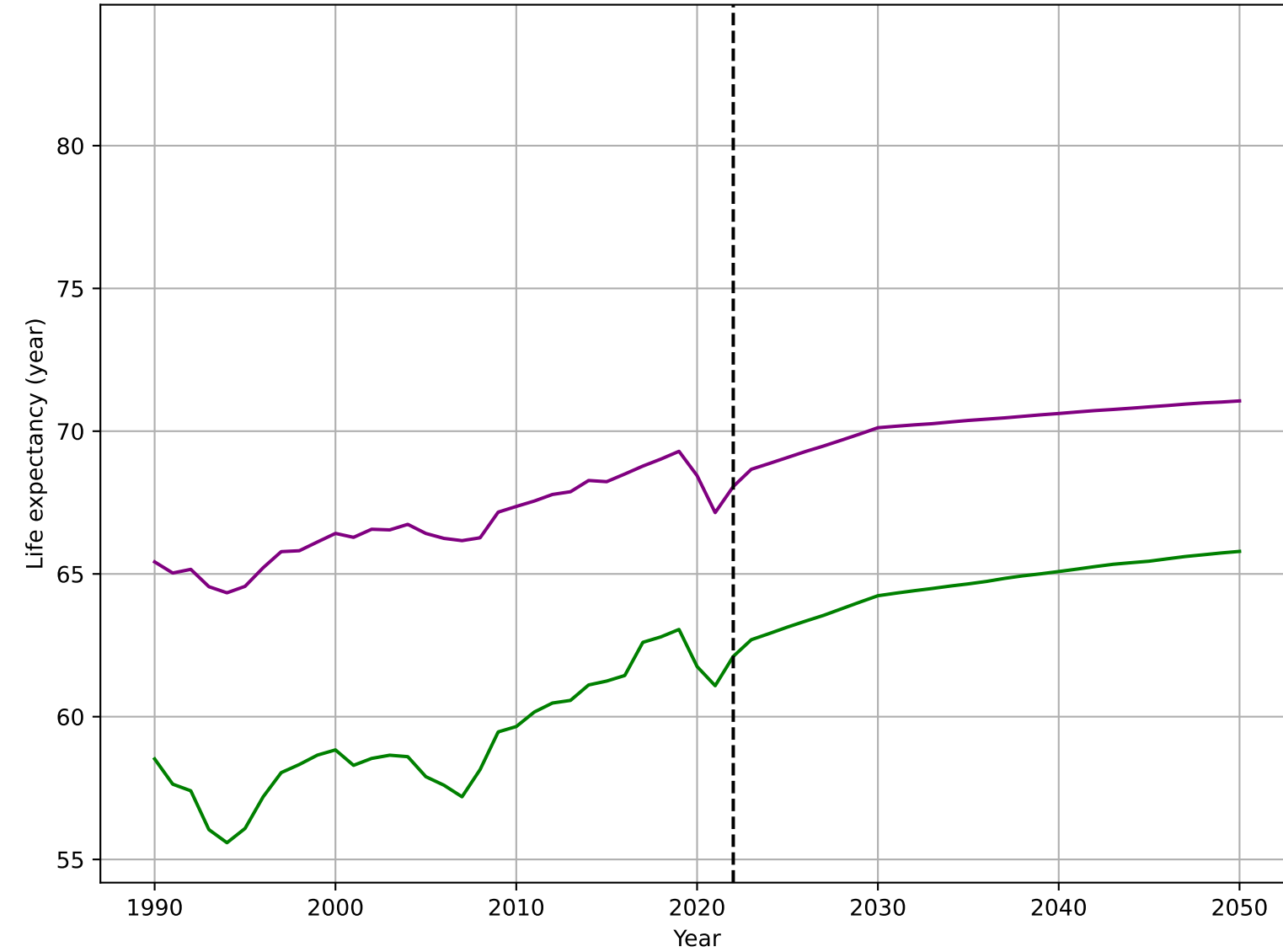


# Lithuania

### Life Expectancy

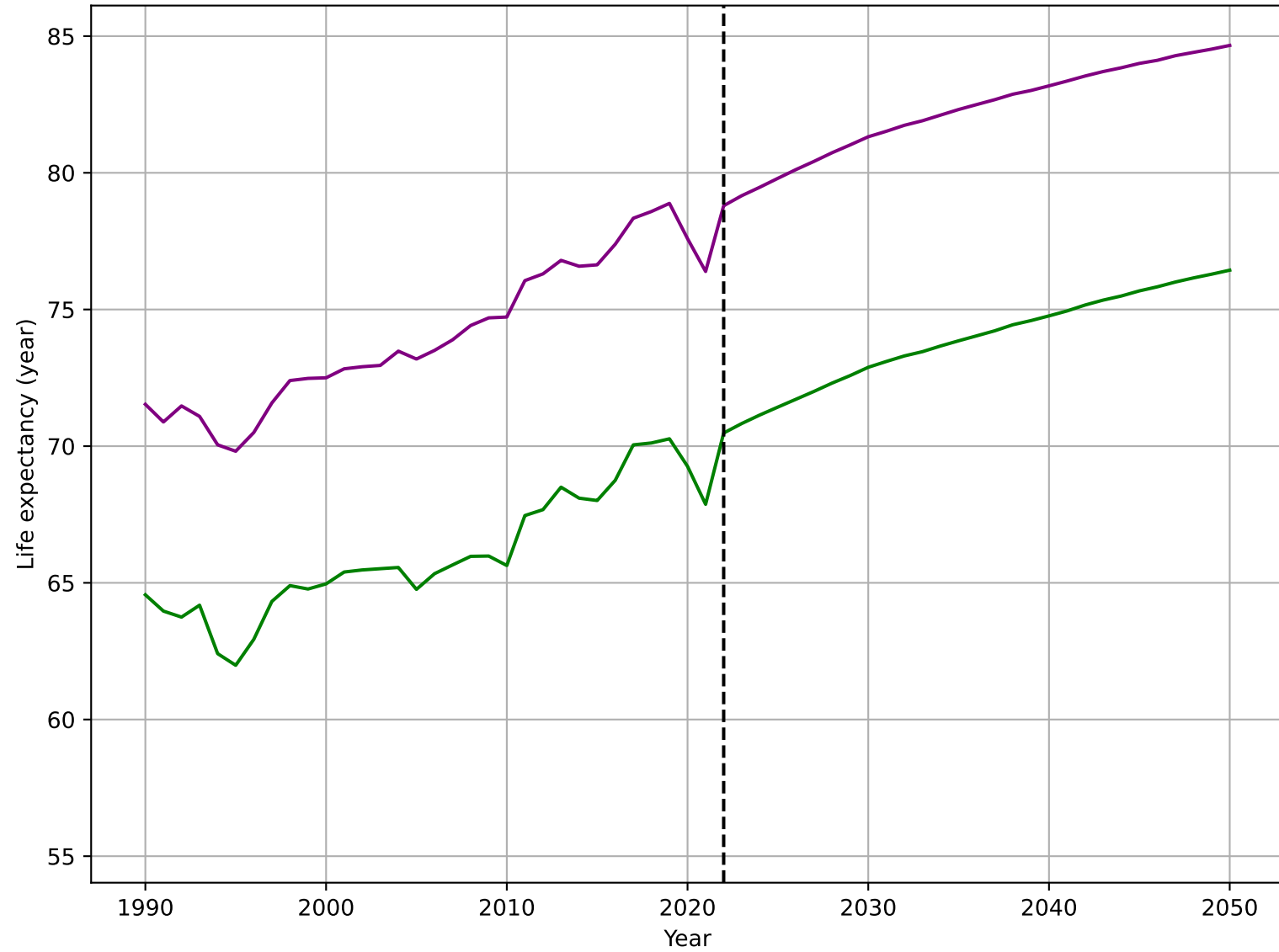


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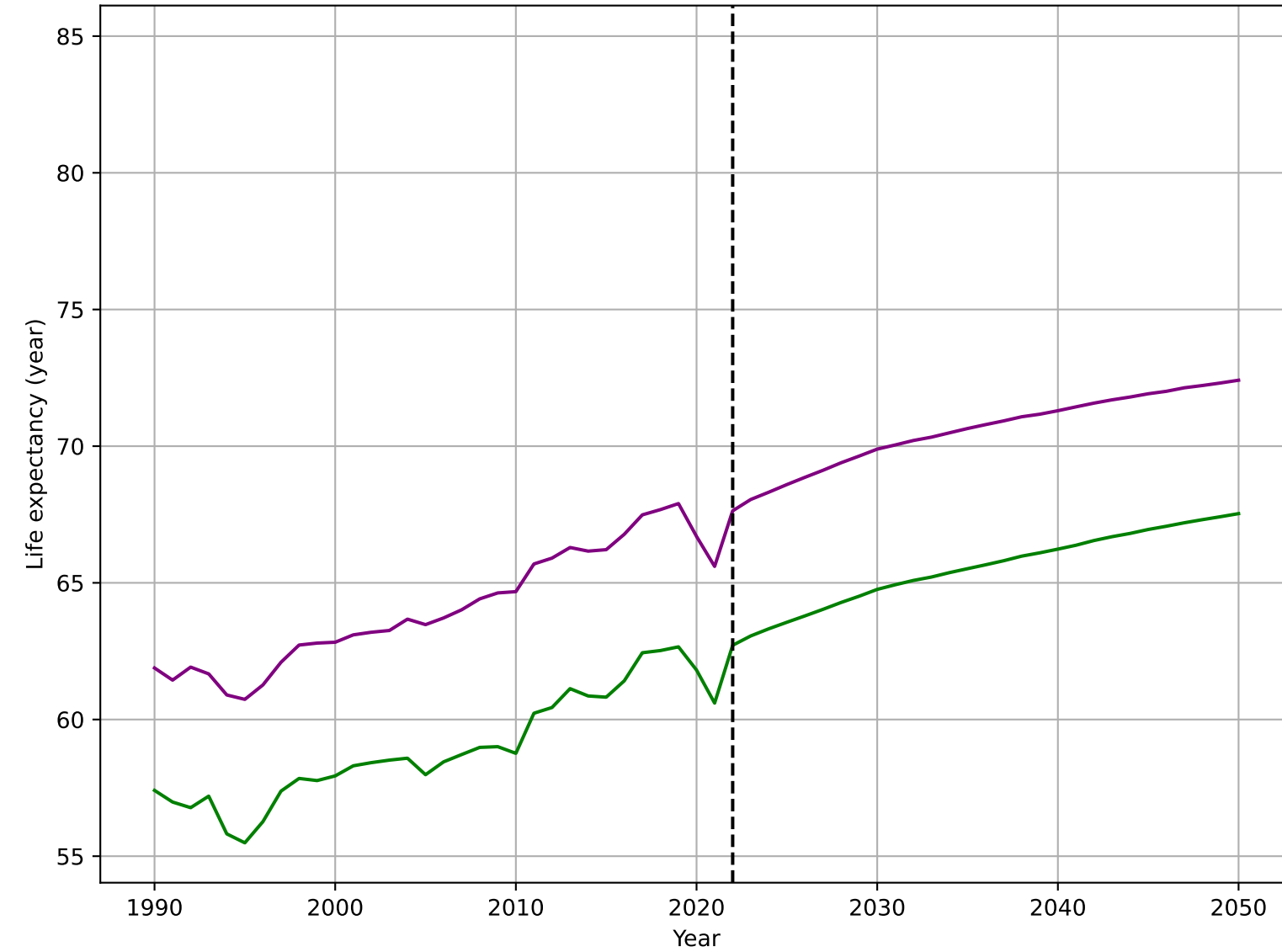


# Moldova

### Life Expectancy

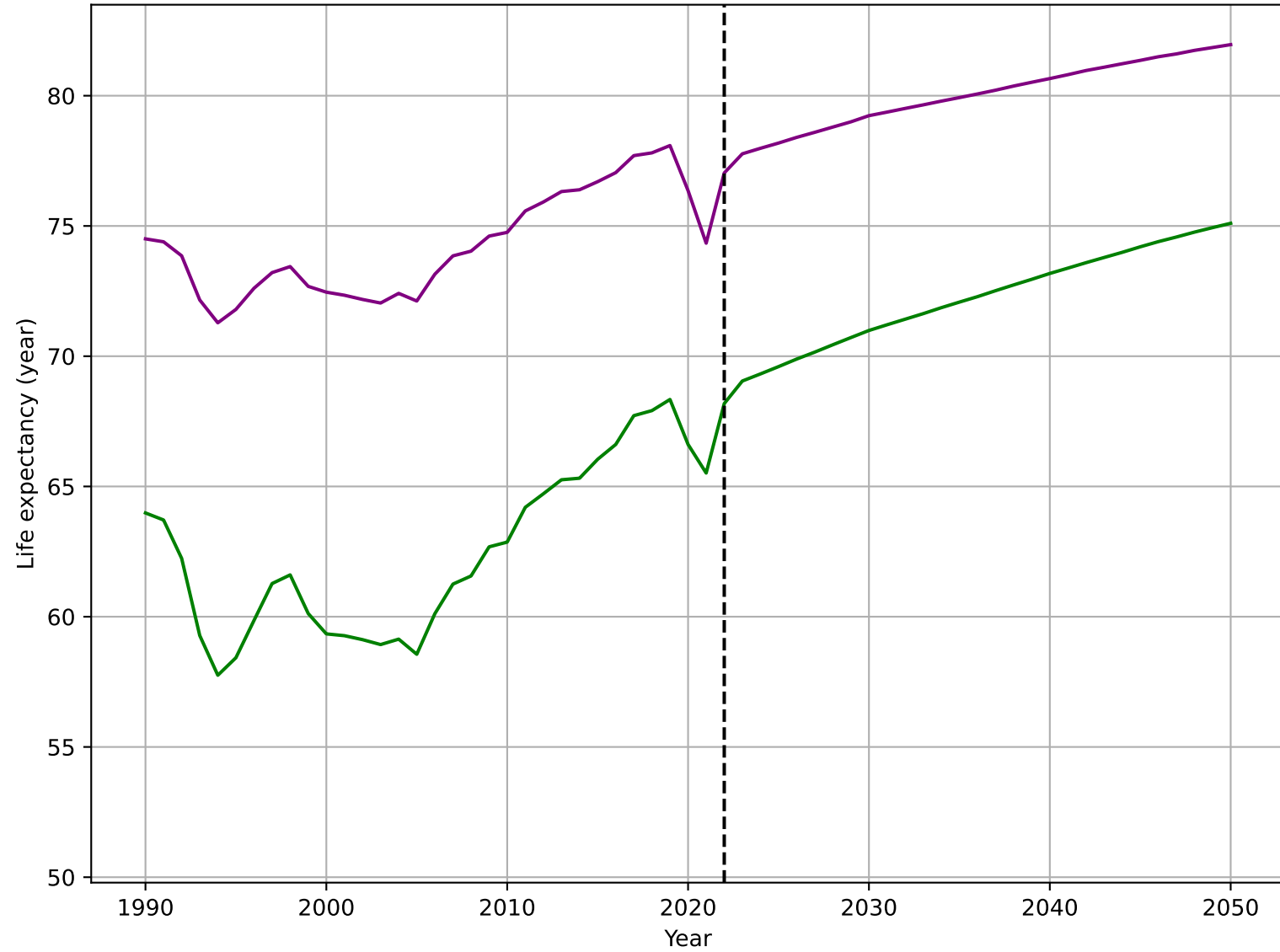


### Healthy Life Expectancy (HALE)

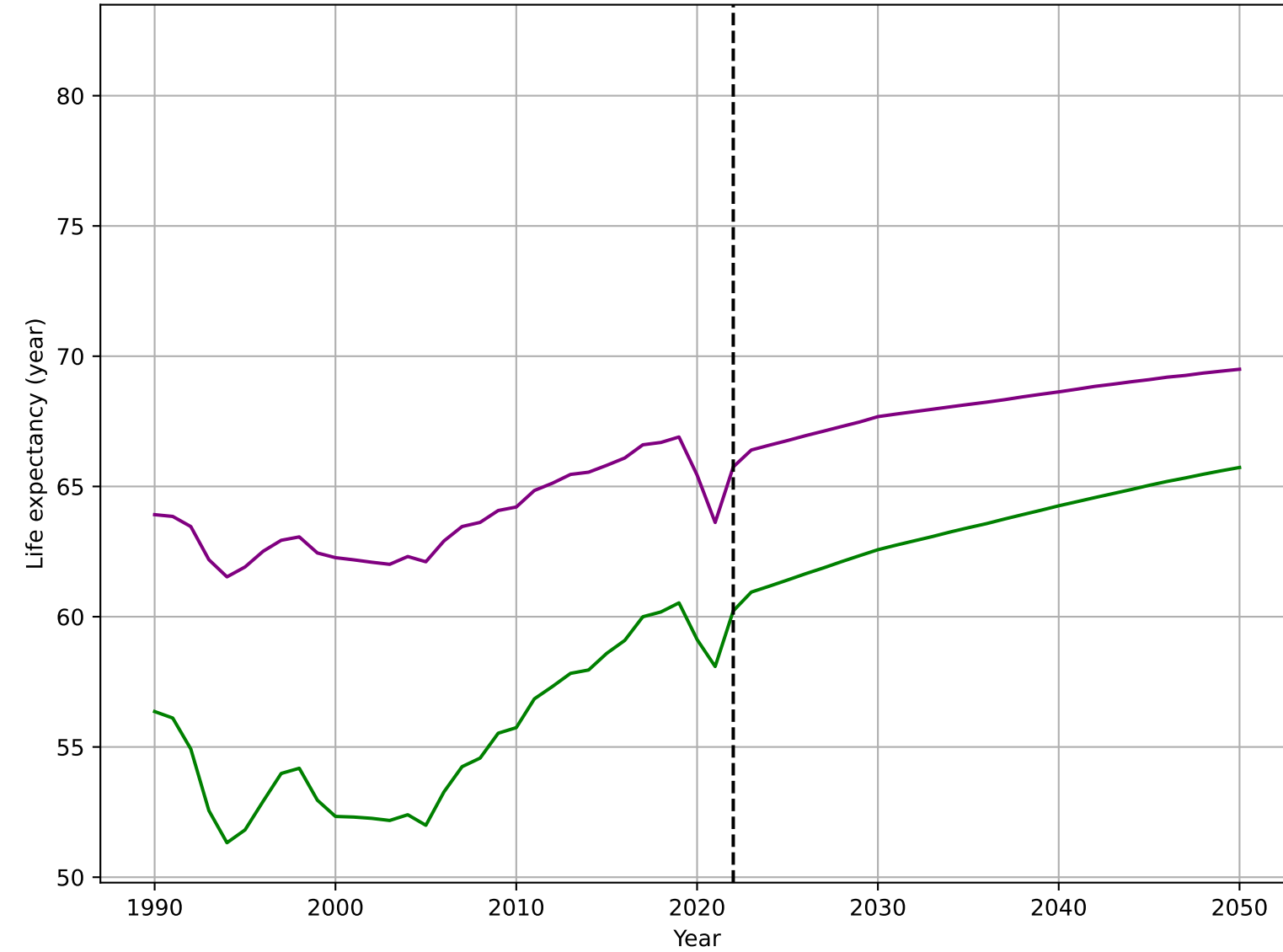


# Russia

### Life Expectancy



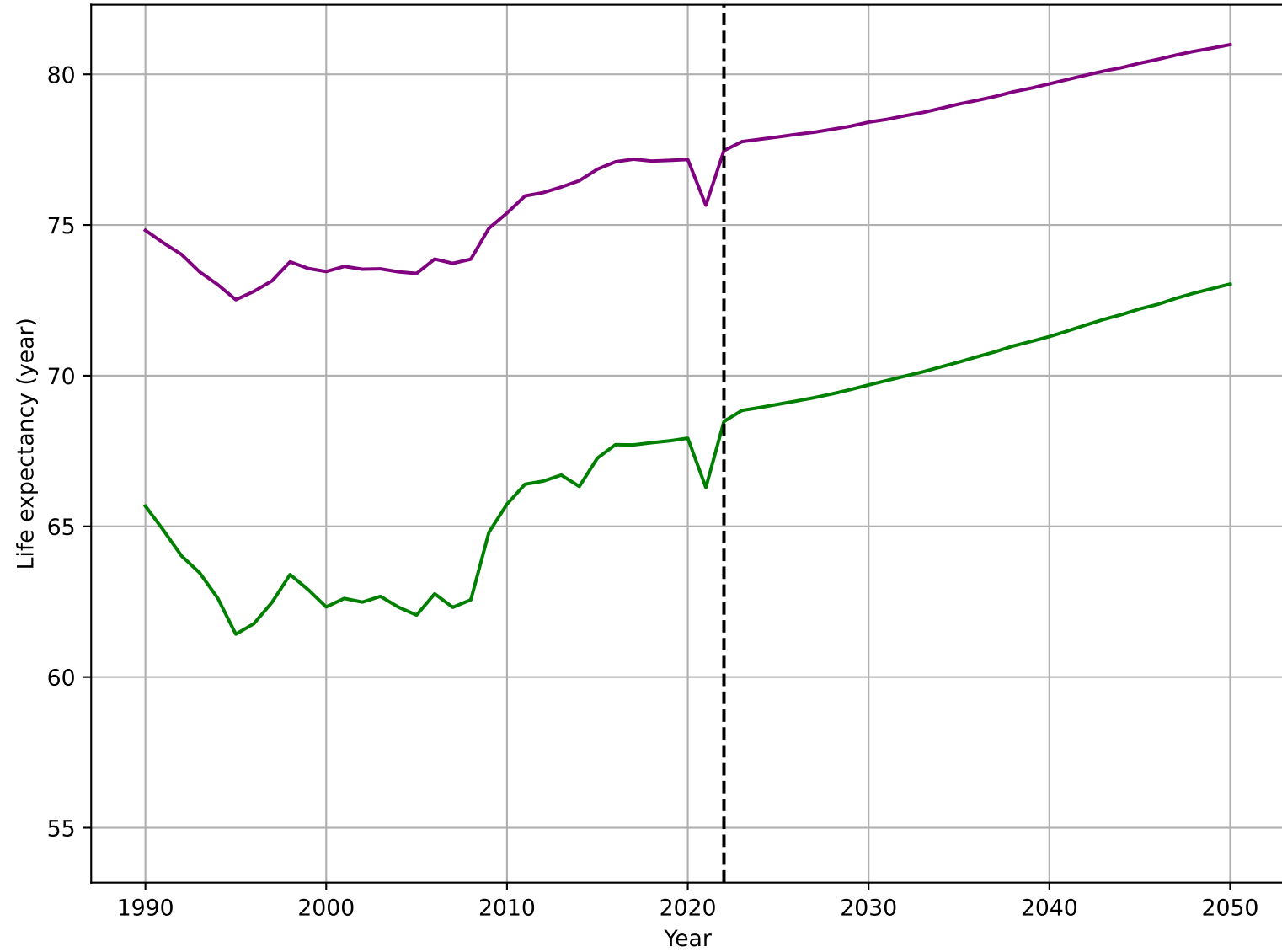
### Healthy Life Expectancy (HALE)



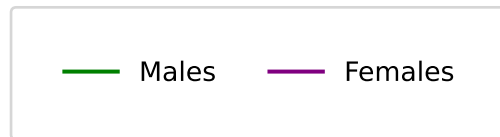
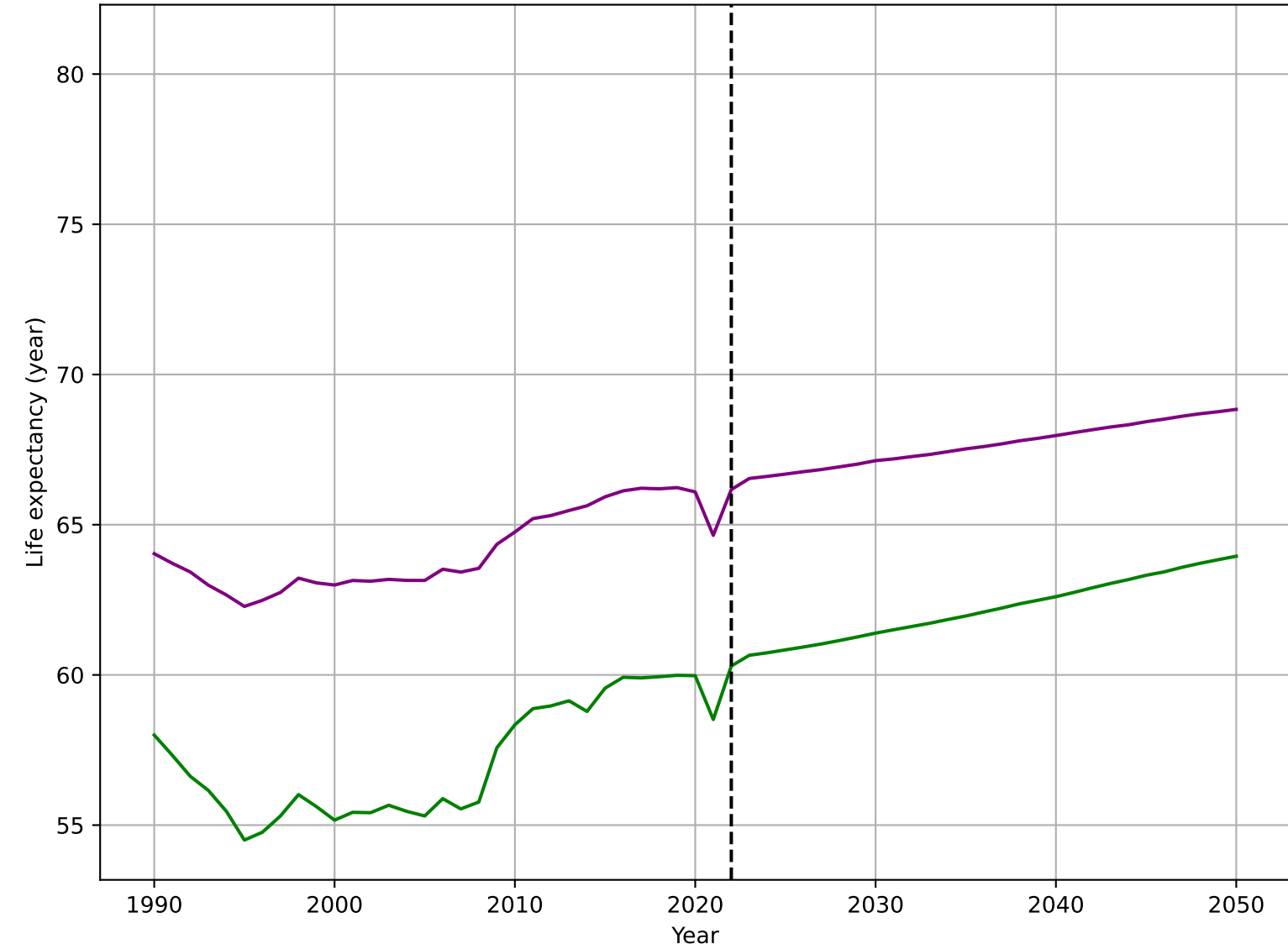


# Ukraine

### Life Expectancy

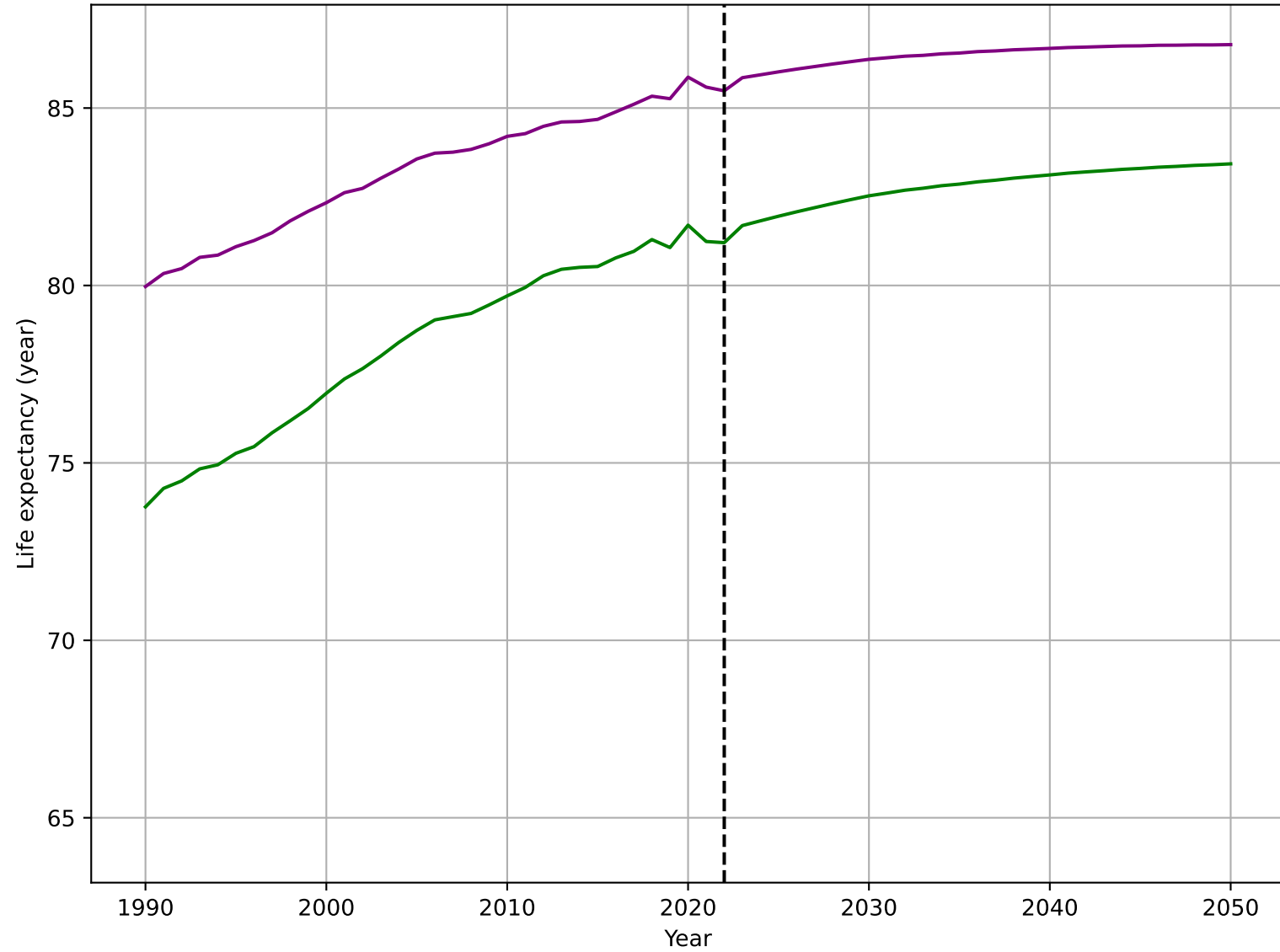


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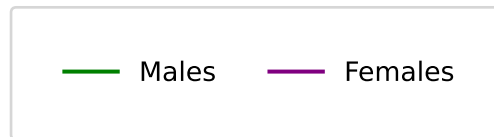
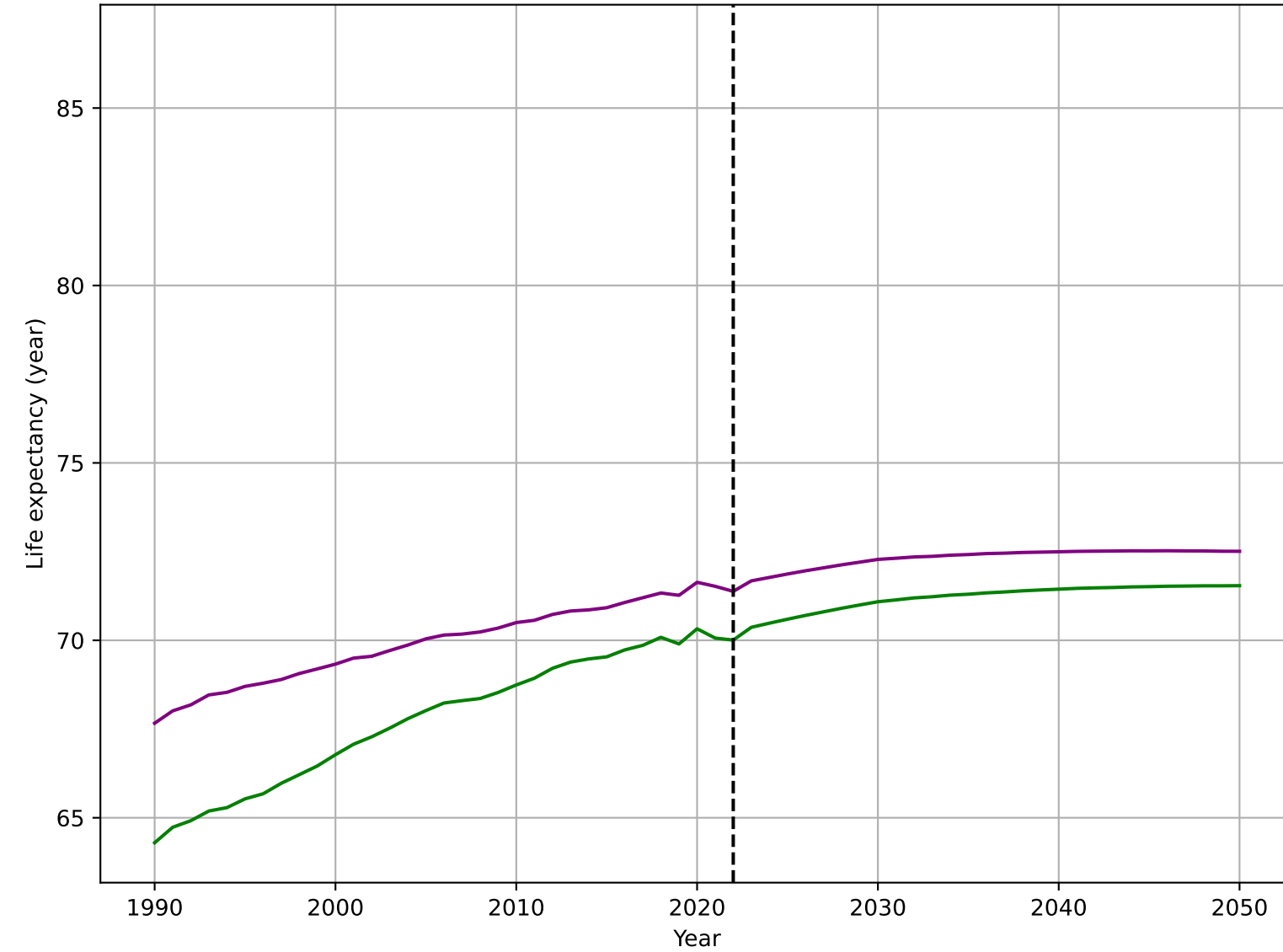


# Australia

### Life Expectancy

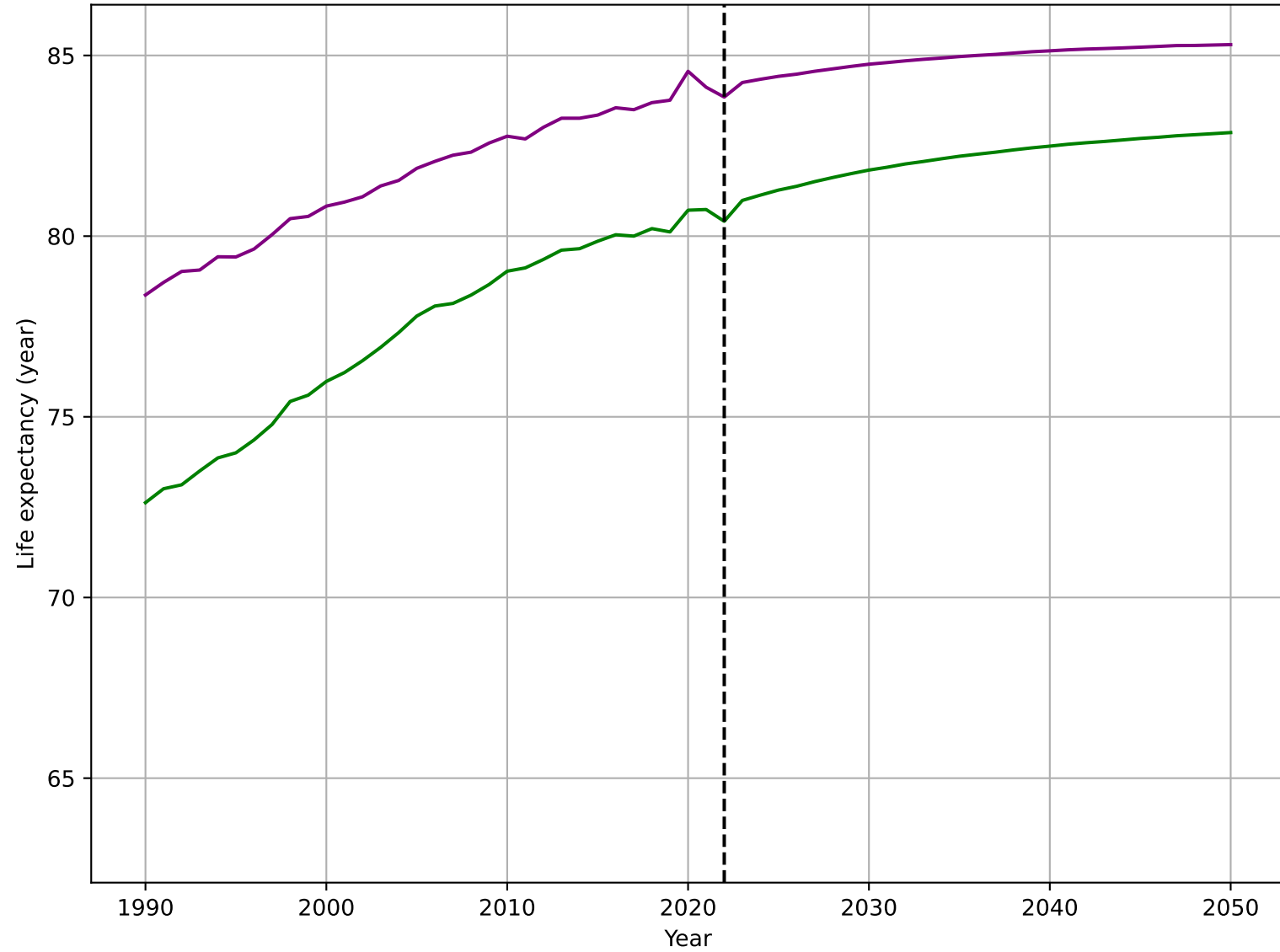


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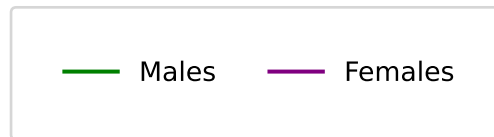
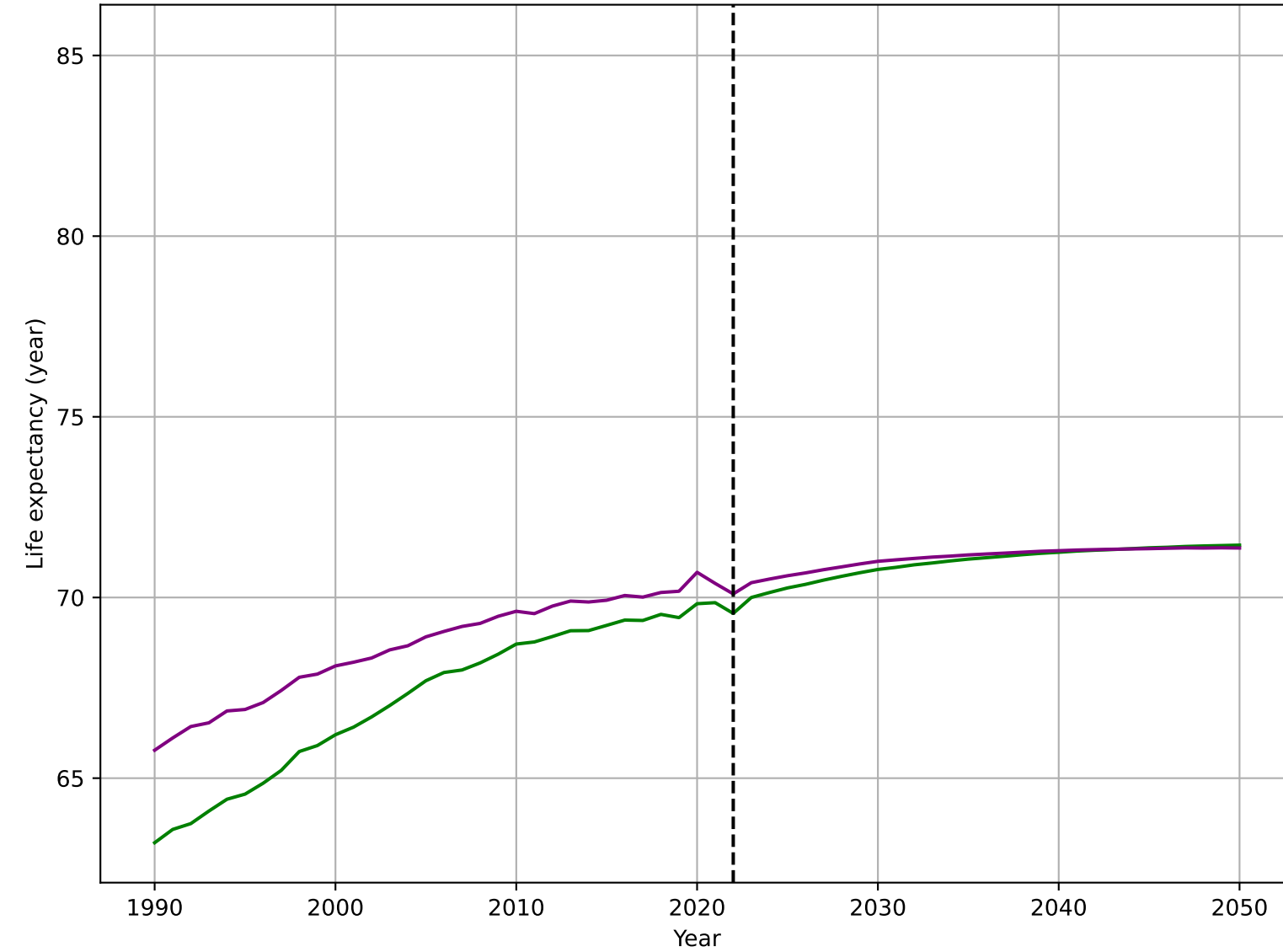


# New Zealand

### Life Expectancy

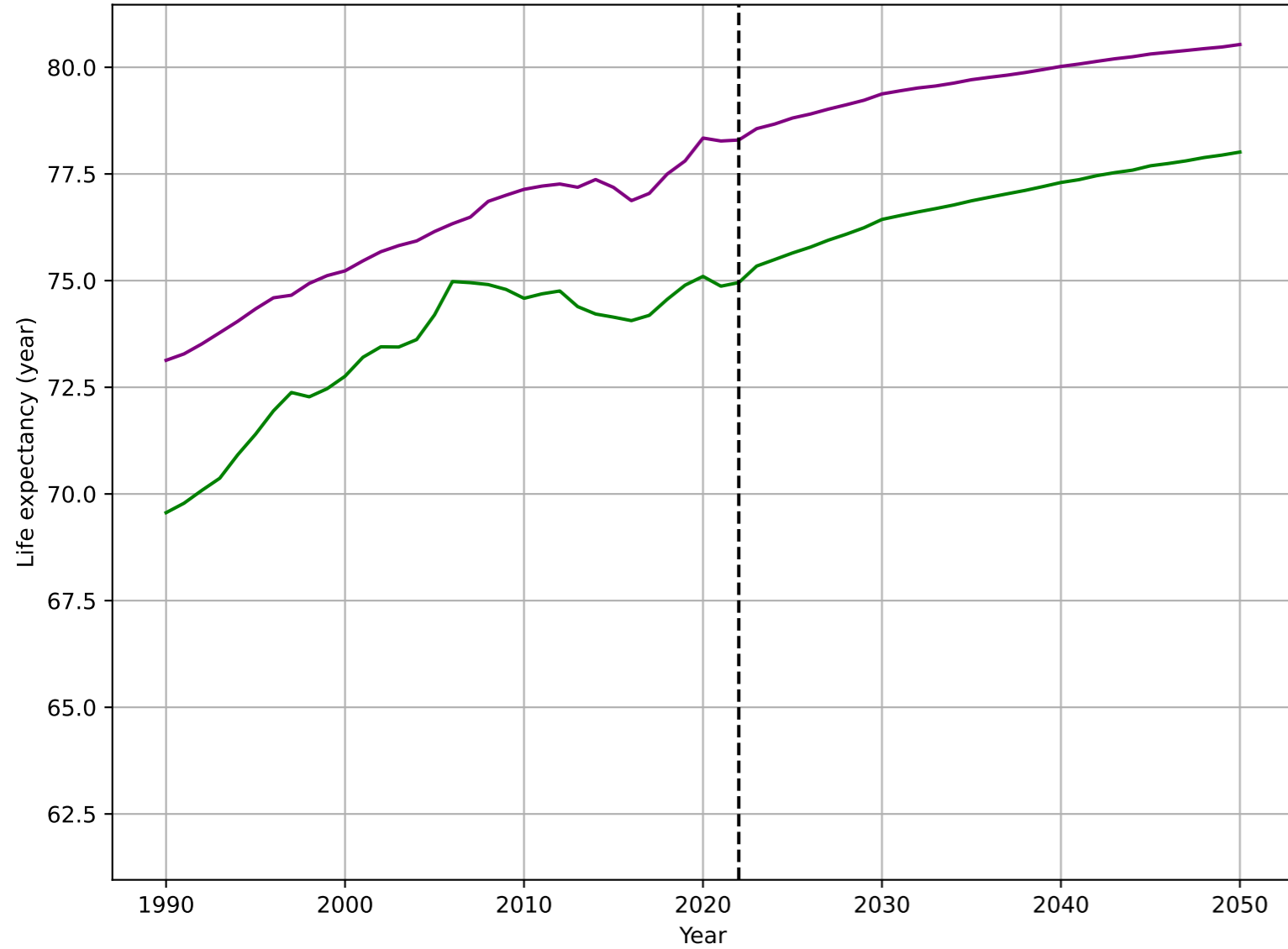


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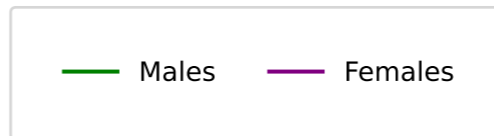
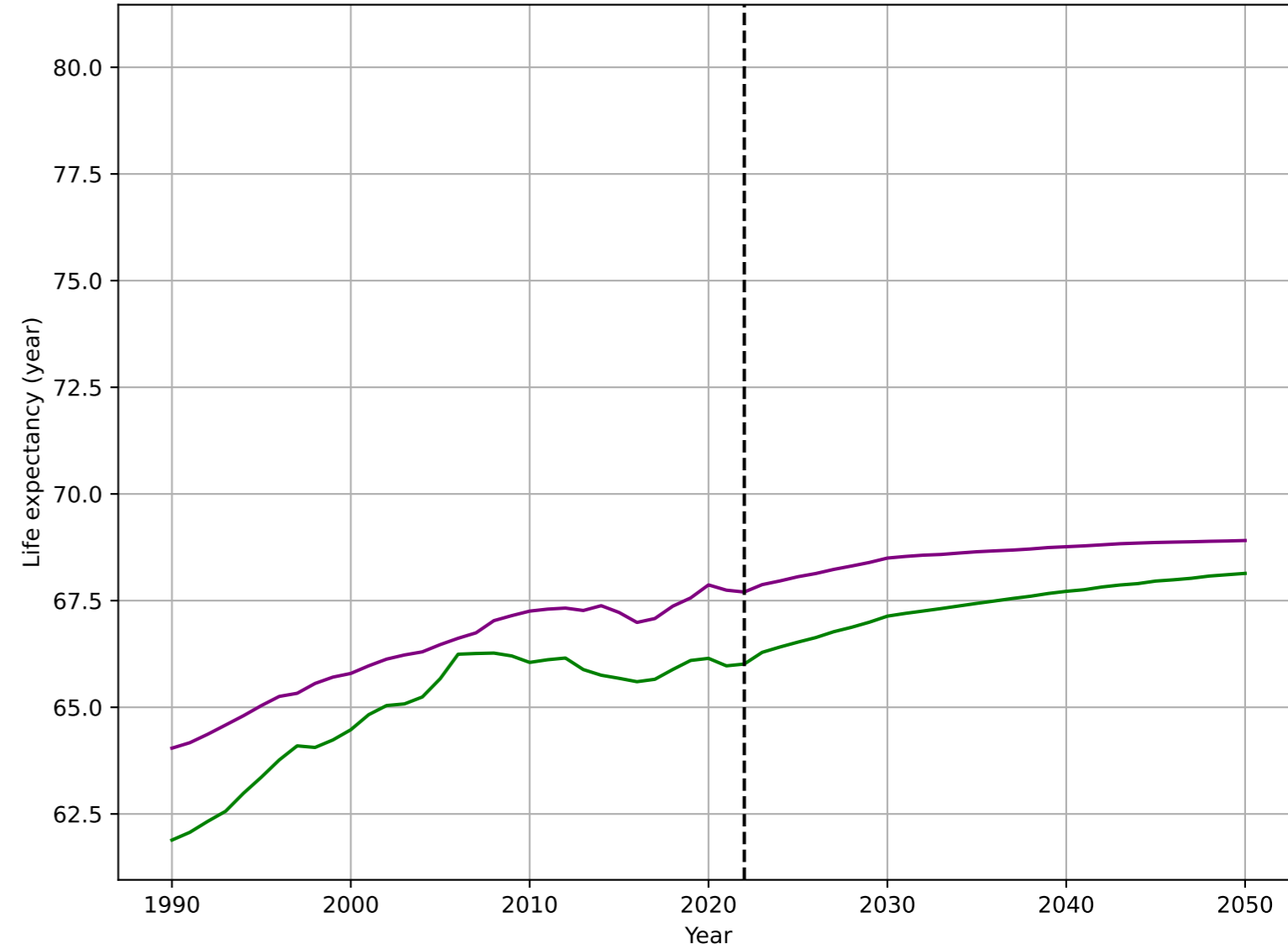


# Brunei

## Life Expectancy

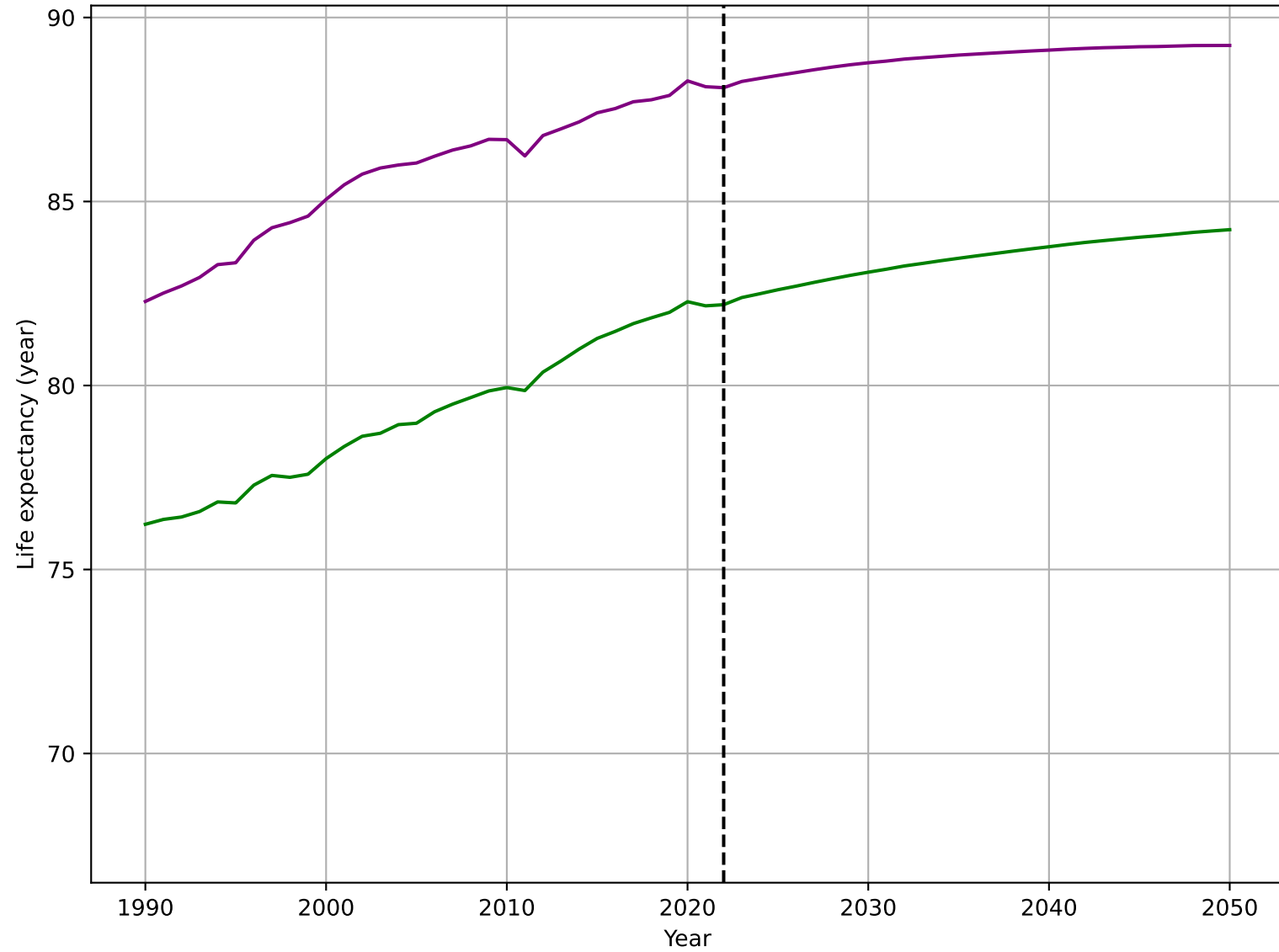


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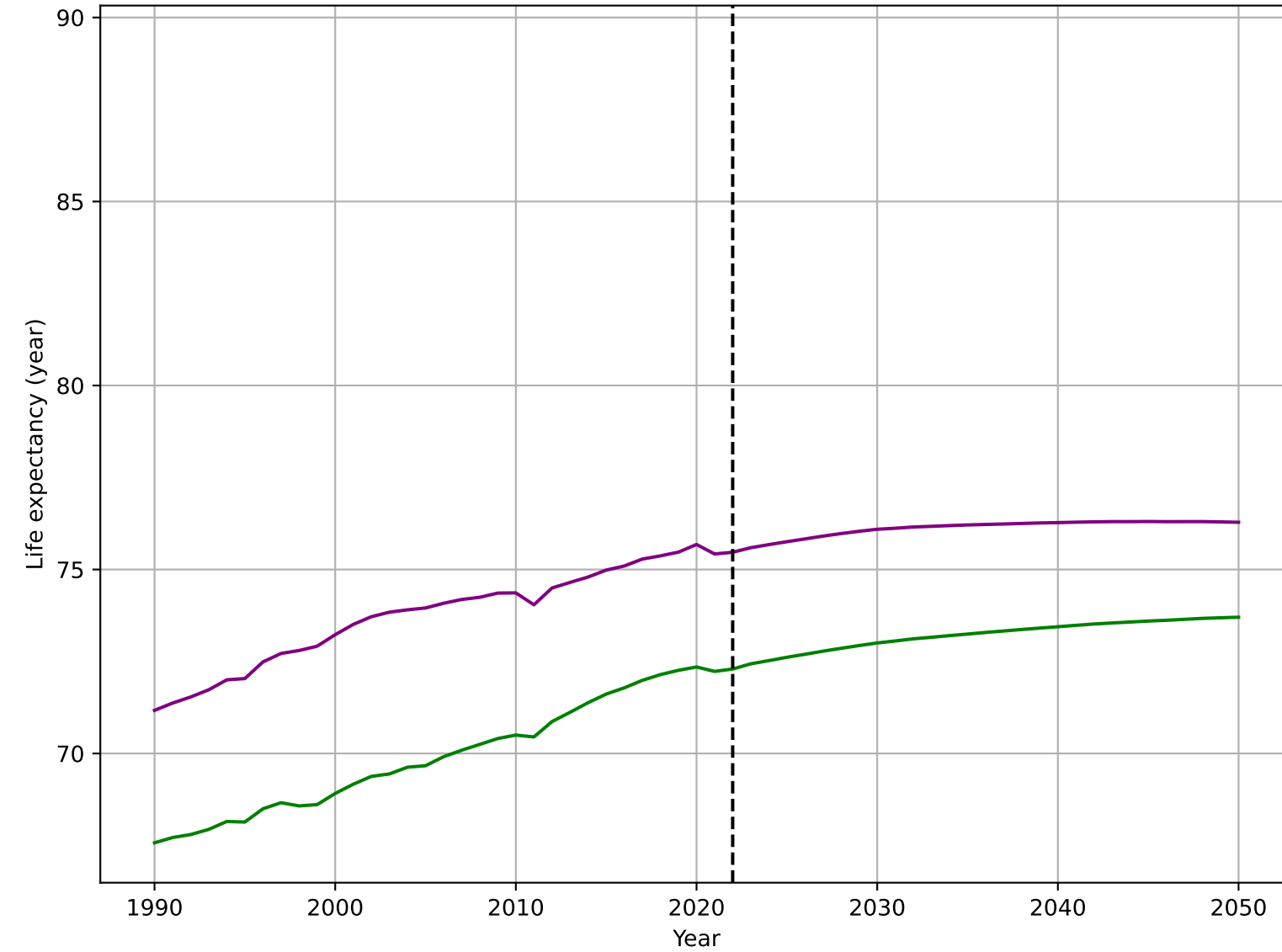


# Japan

### Life Expectancy

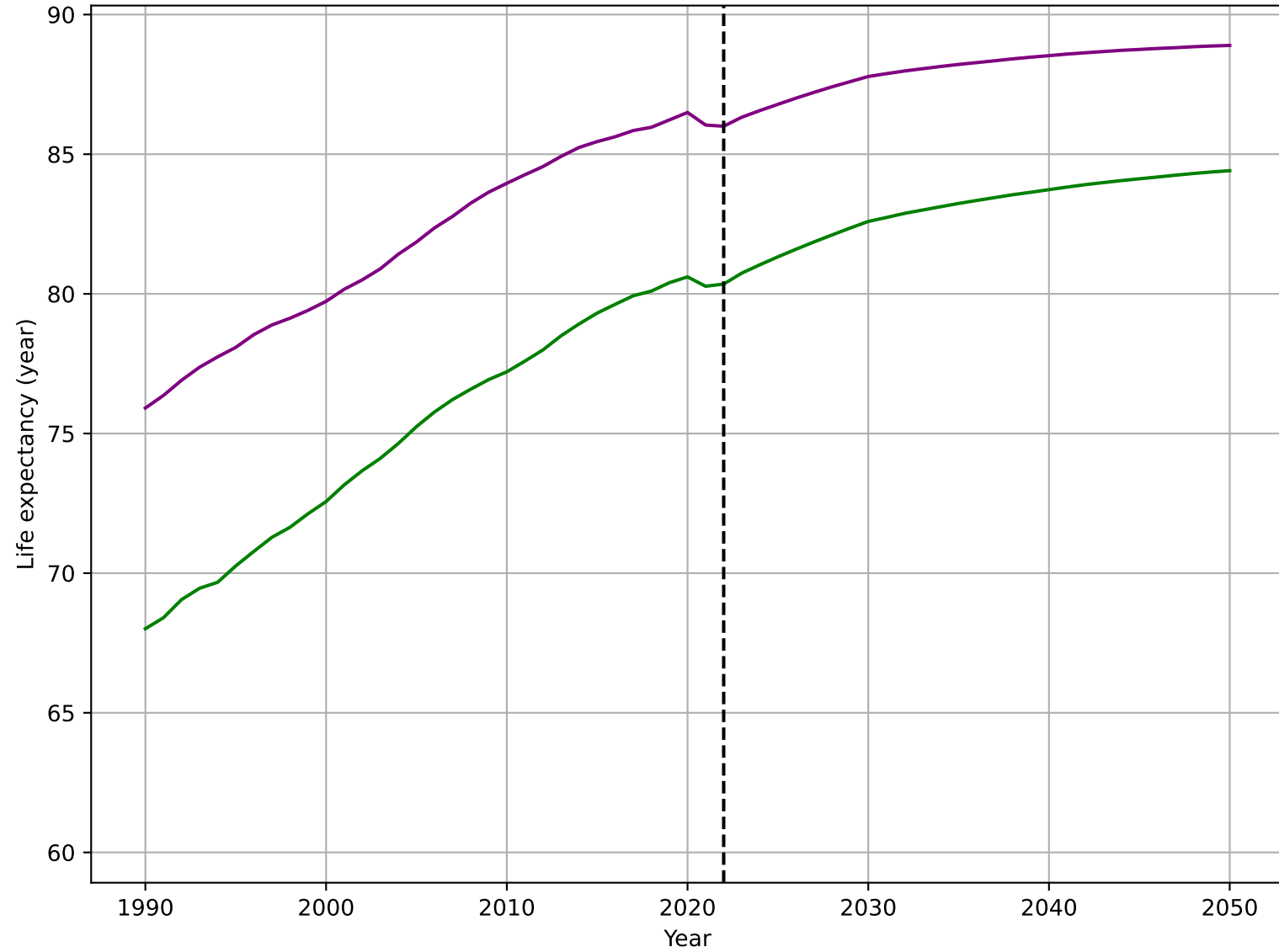


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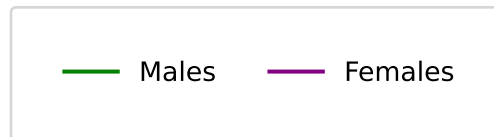
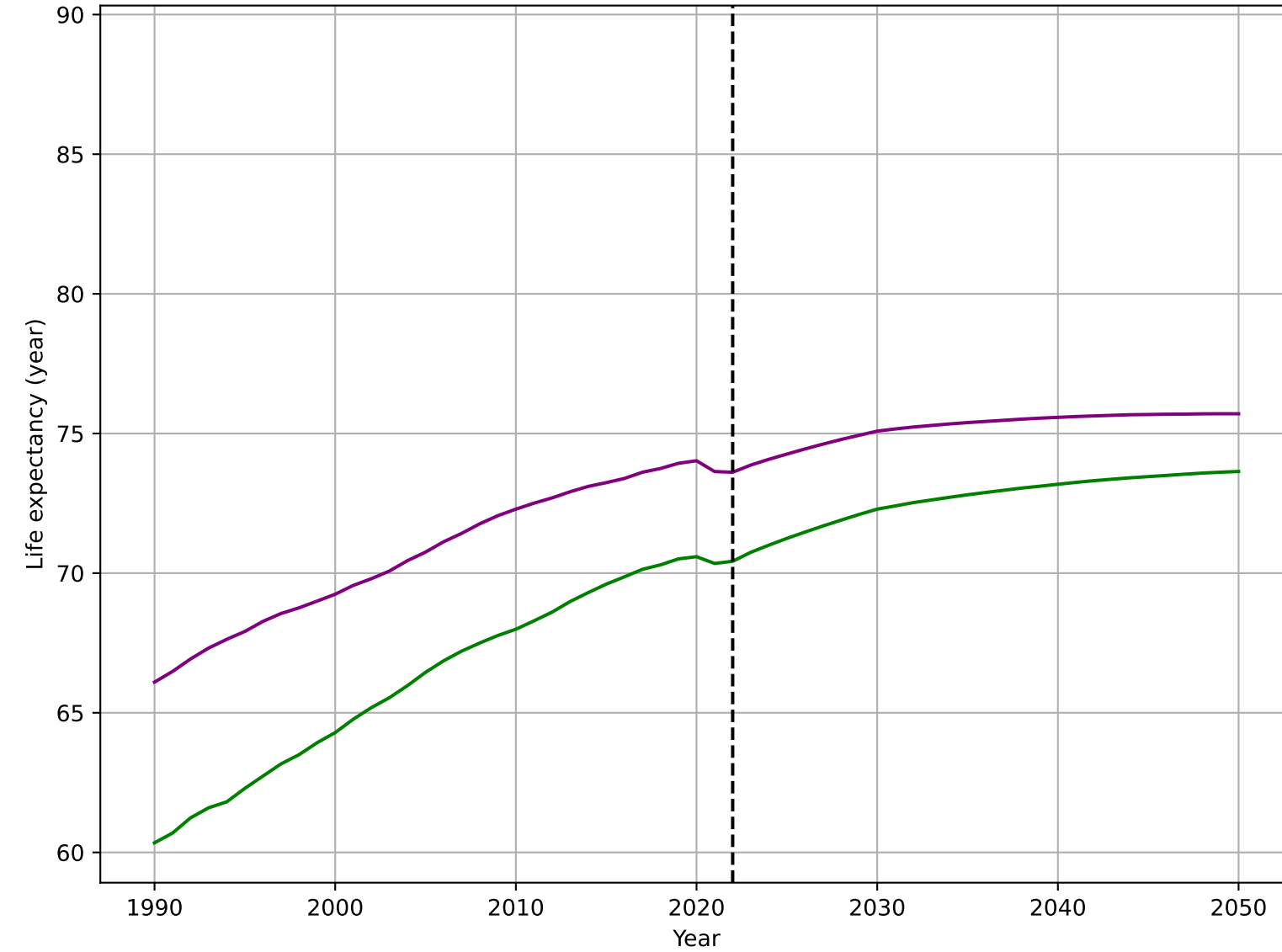


# South Korea

### Life Expectancy

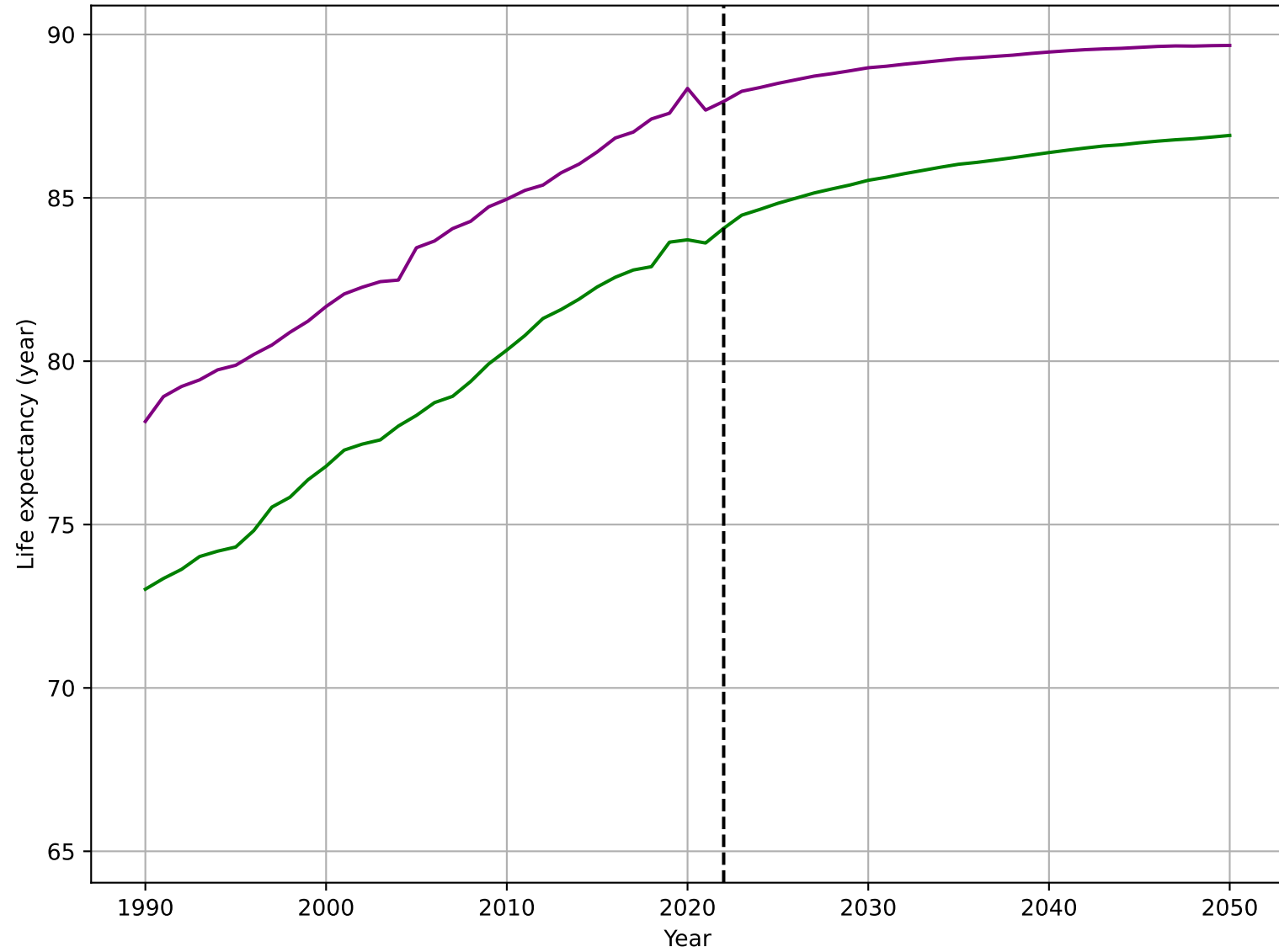


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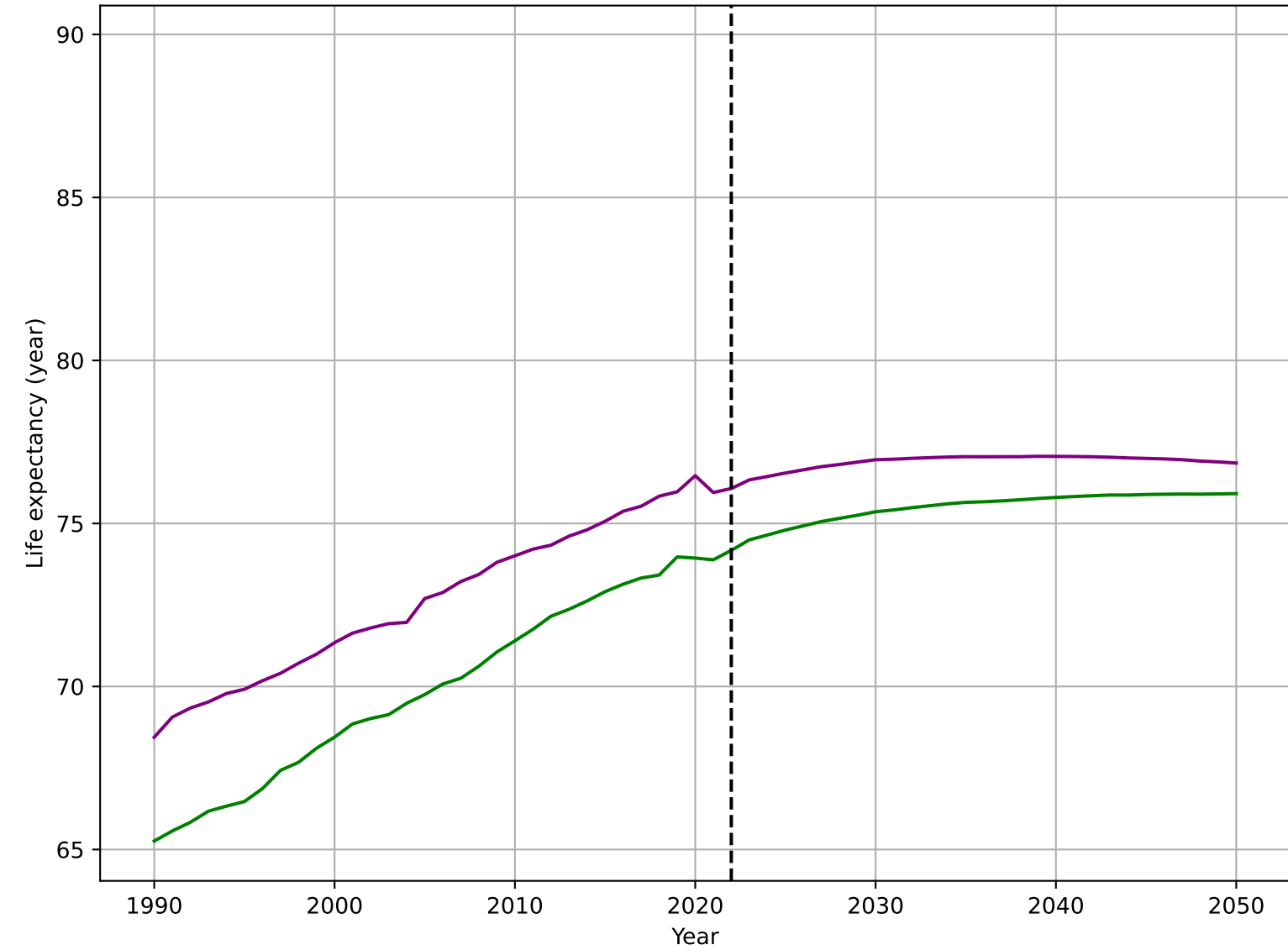


# Singapore

### Life Expectancy

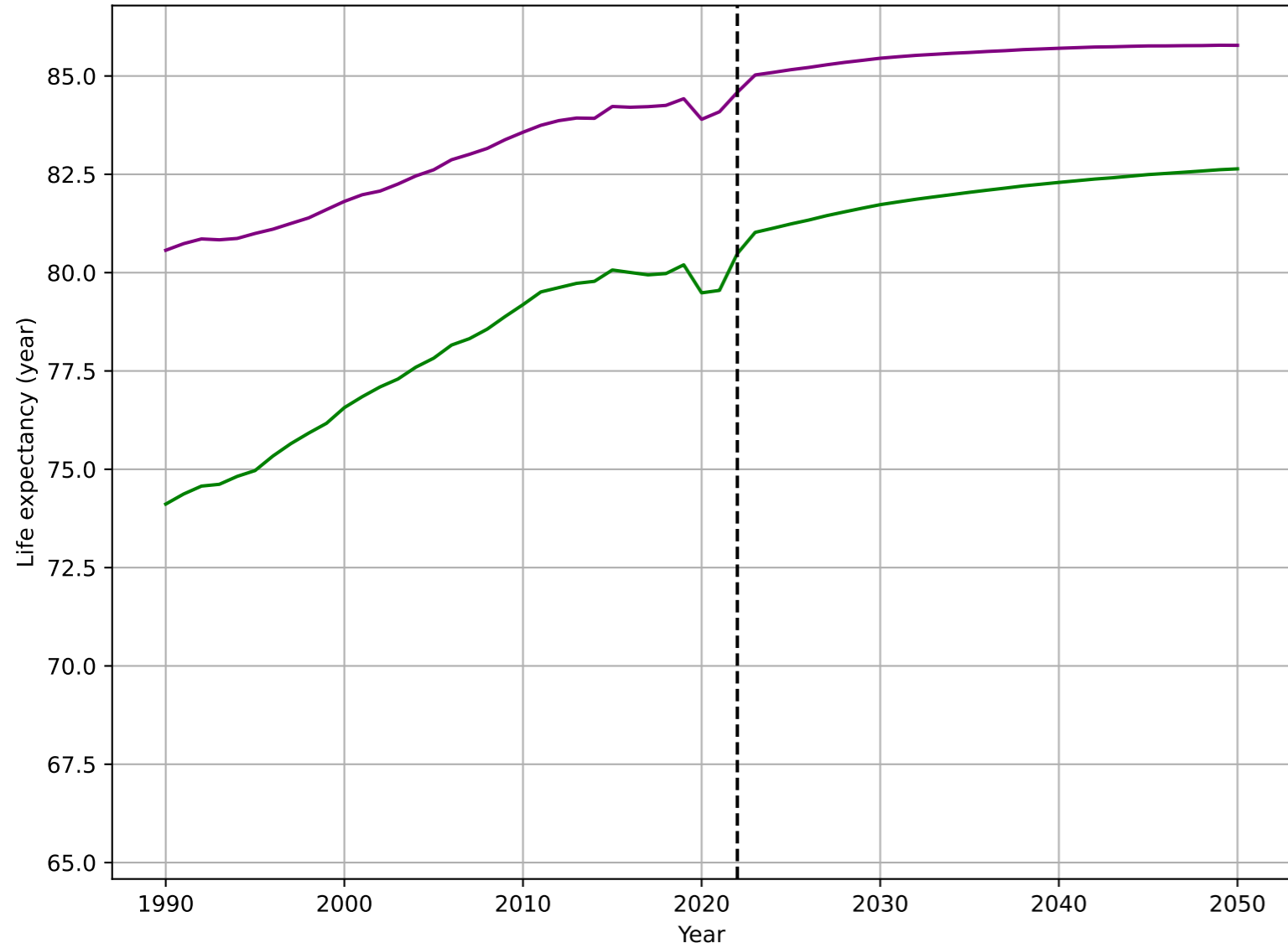


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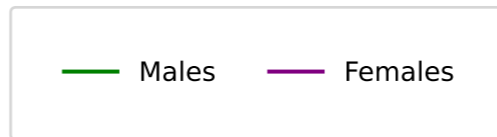
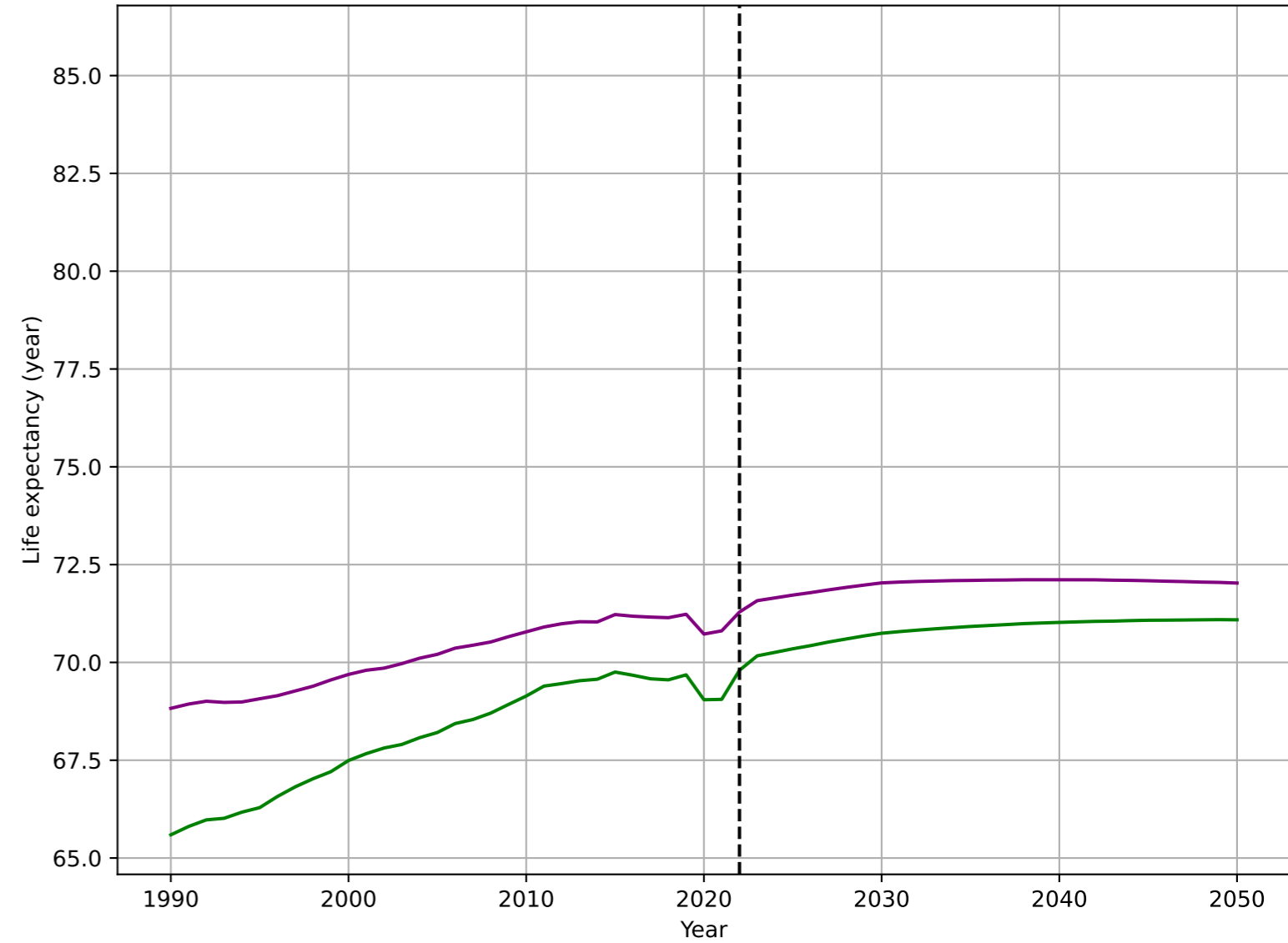


# Canada

### Life Expectancy



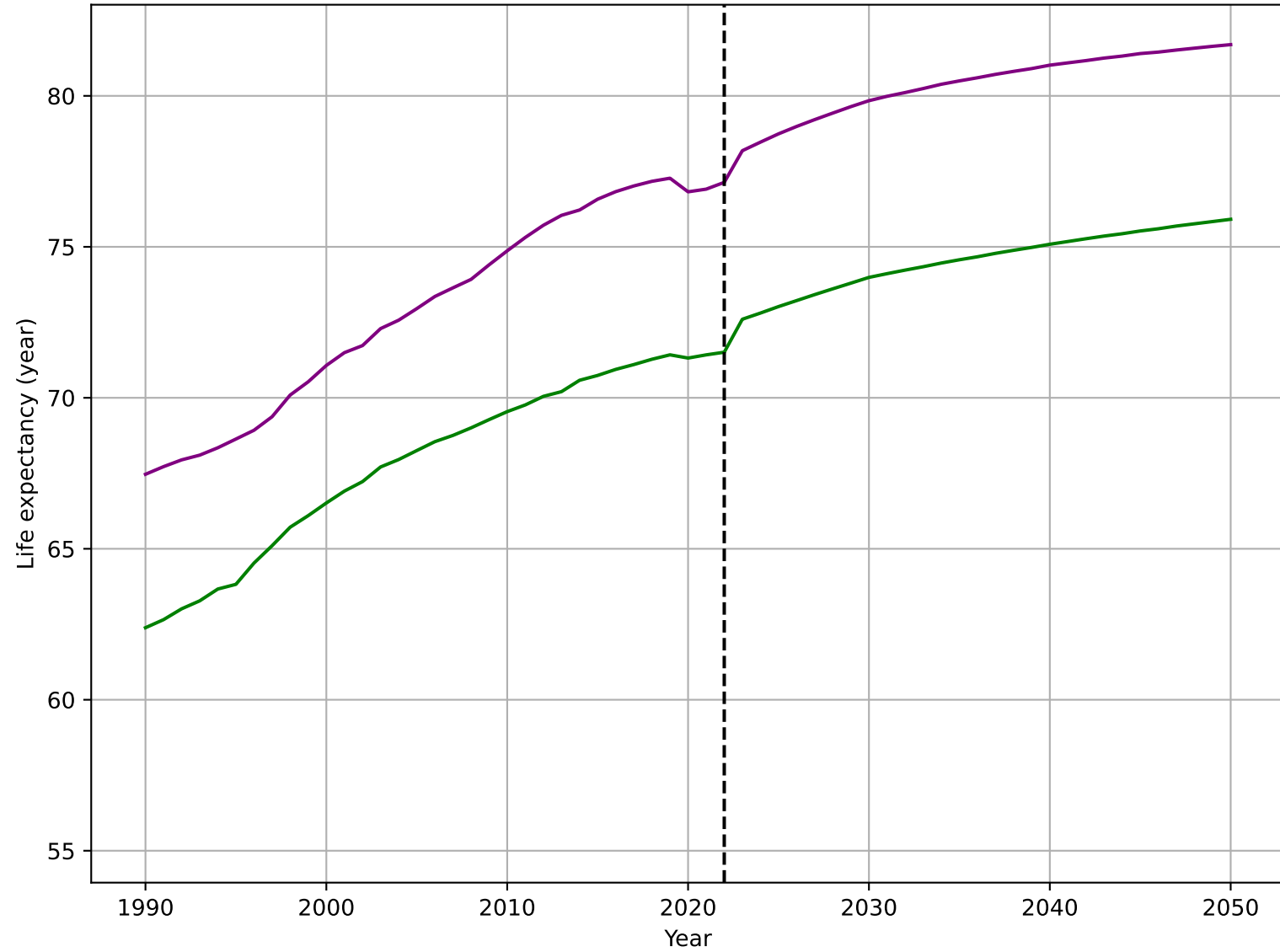
### Healthy Life Expectancy (HALE)



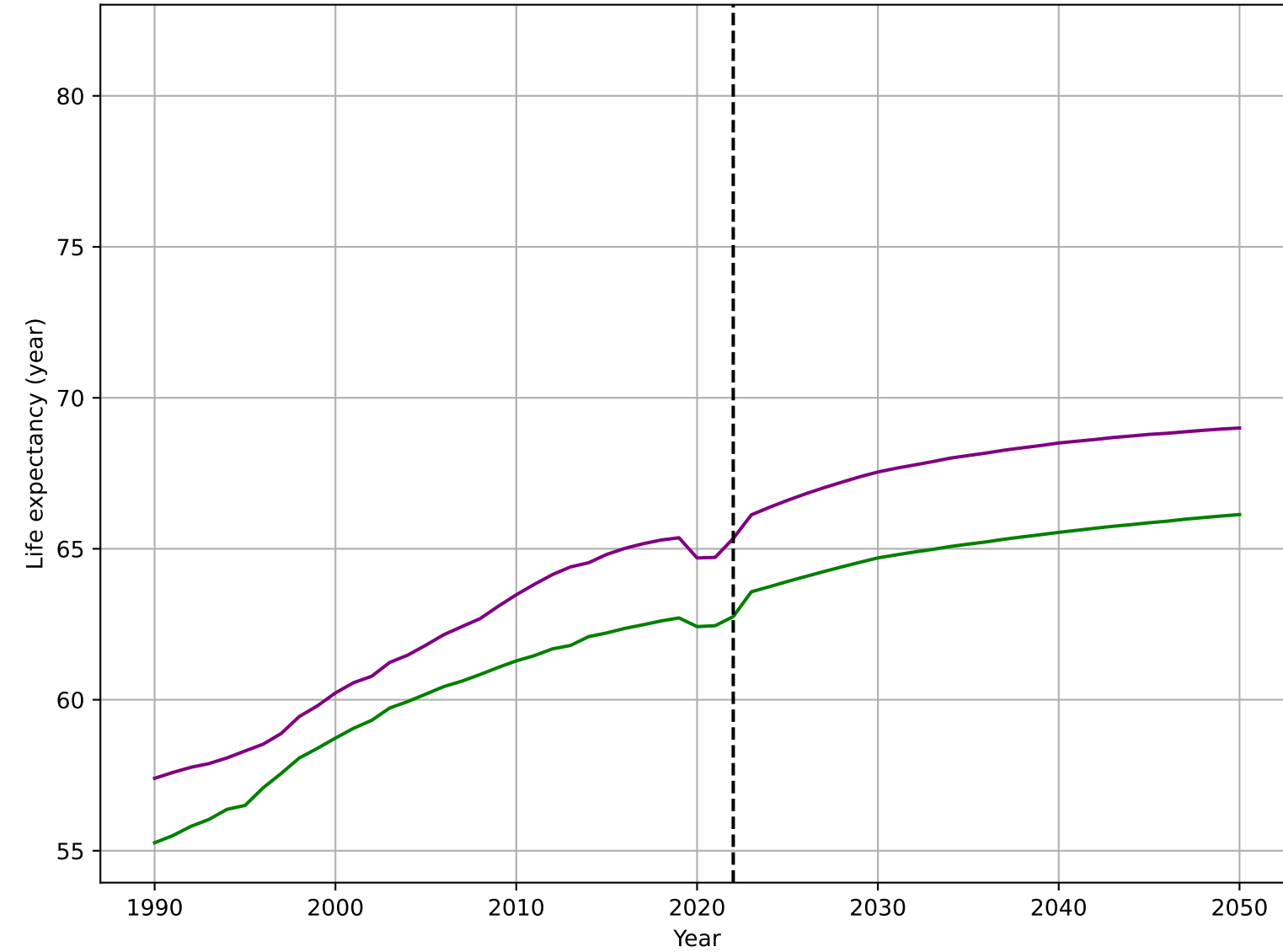


# Greenland

### Life Expectancy

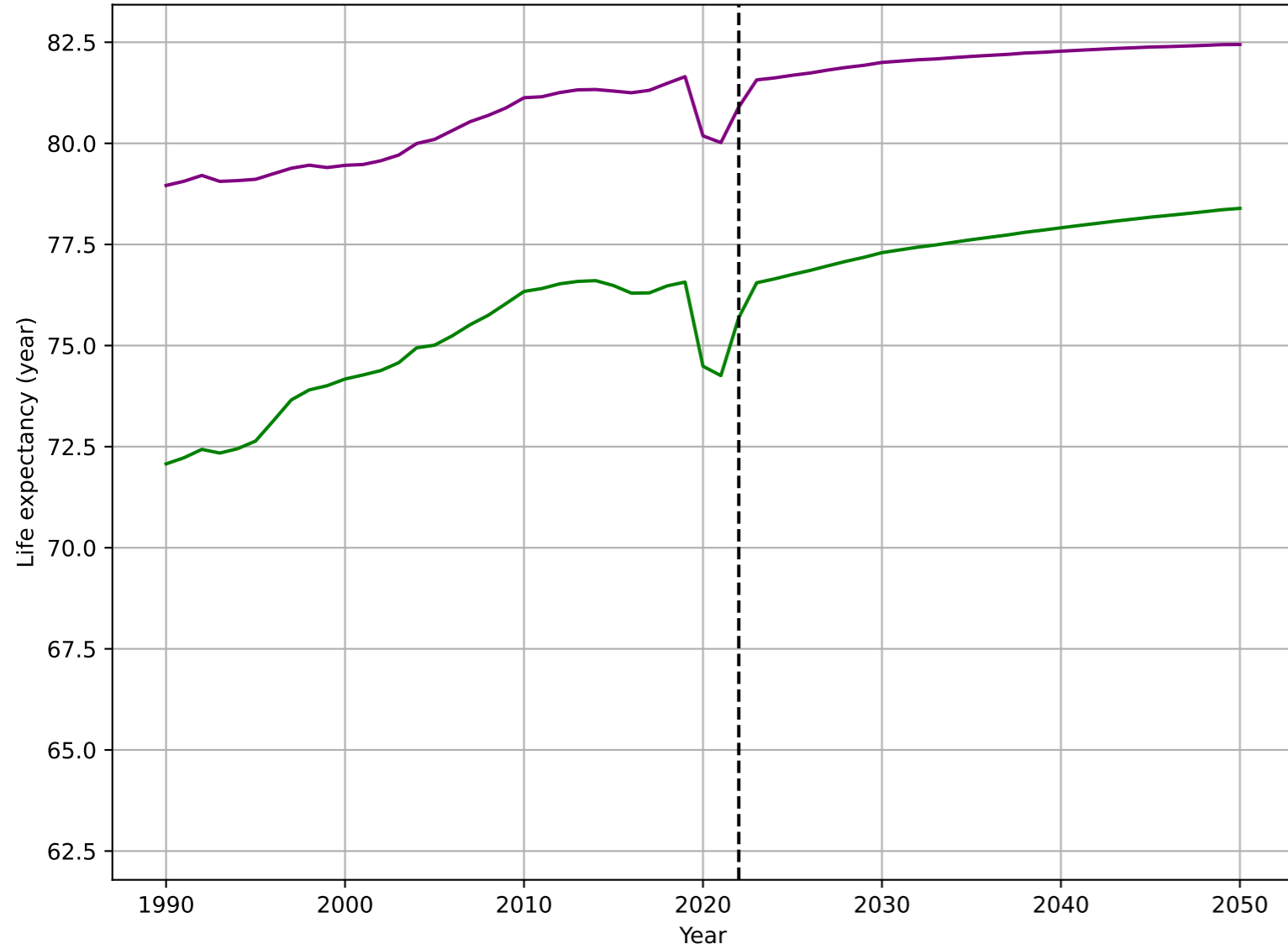


### Healthy Life Expectancy (HALE)

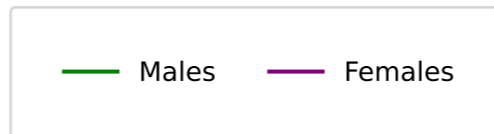
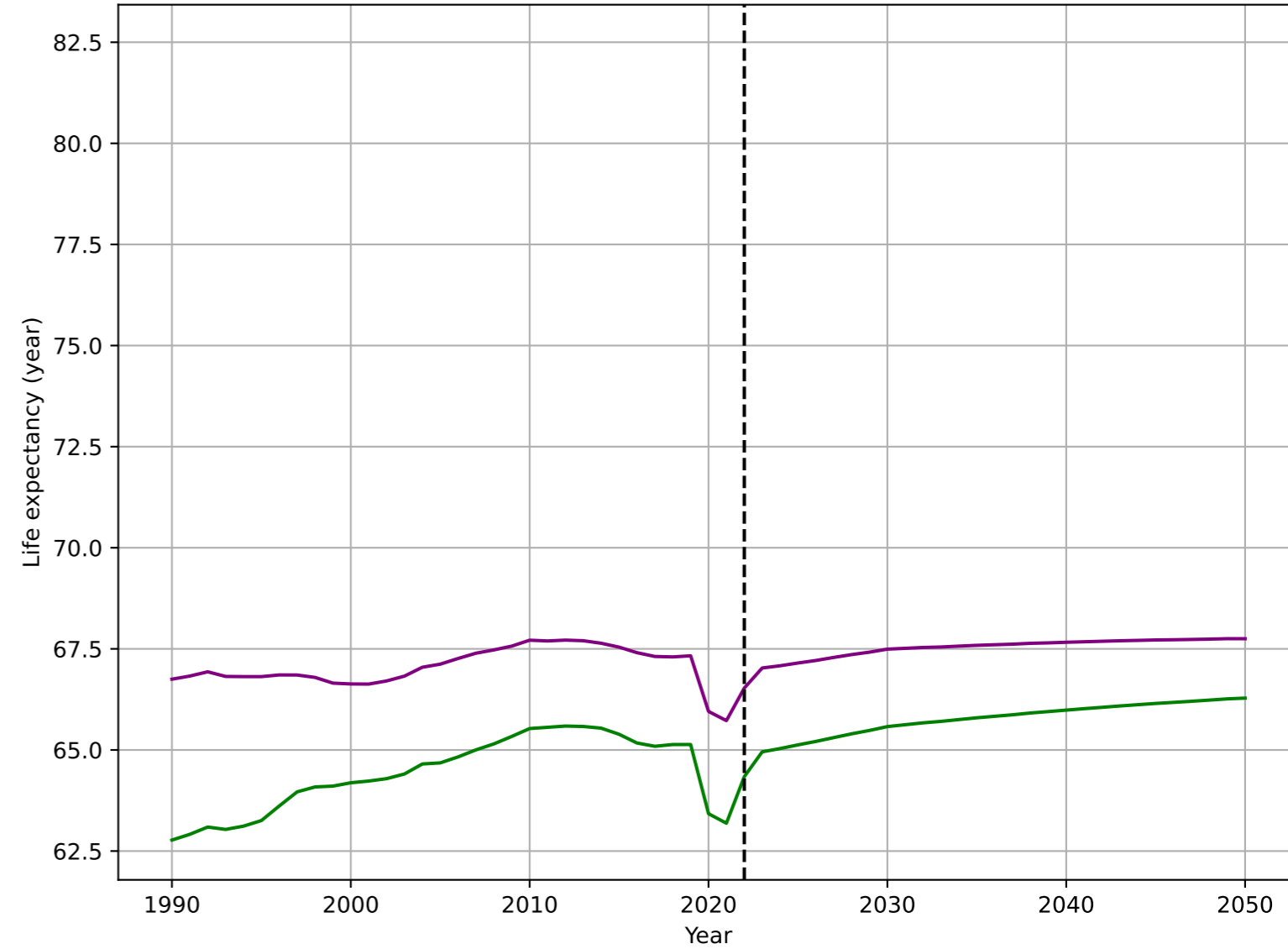


# USA

### Life Expectancy

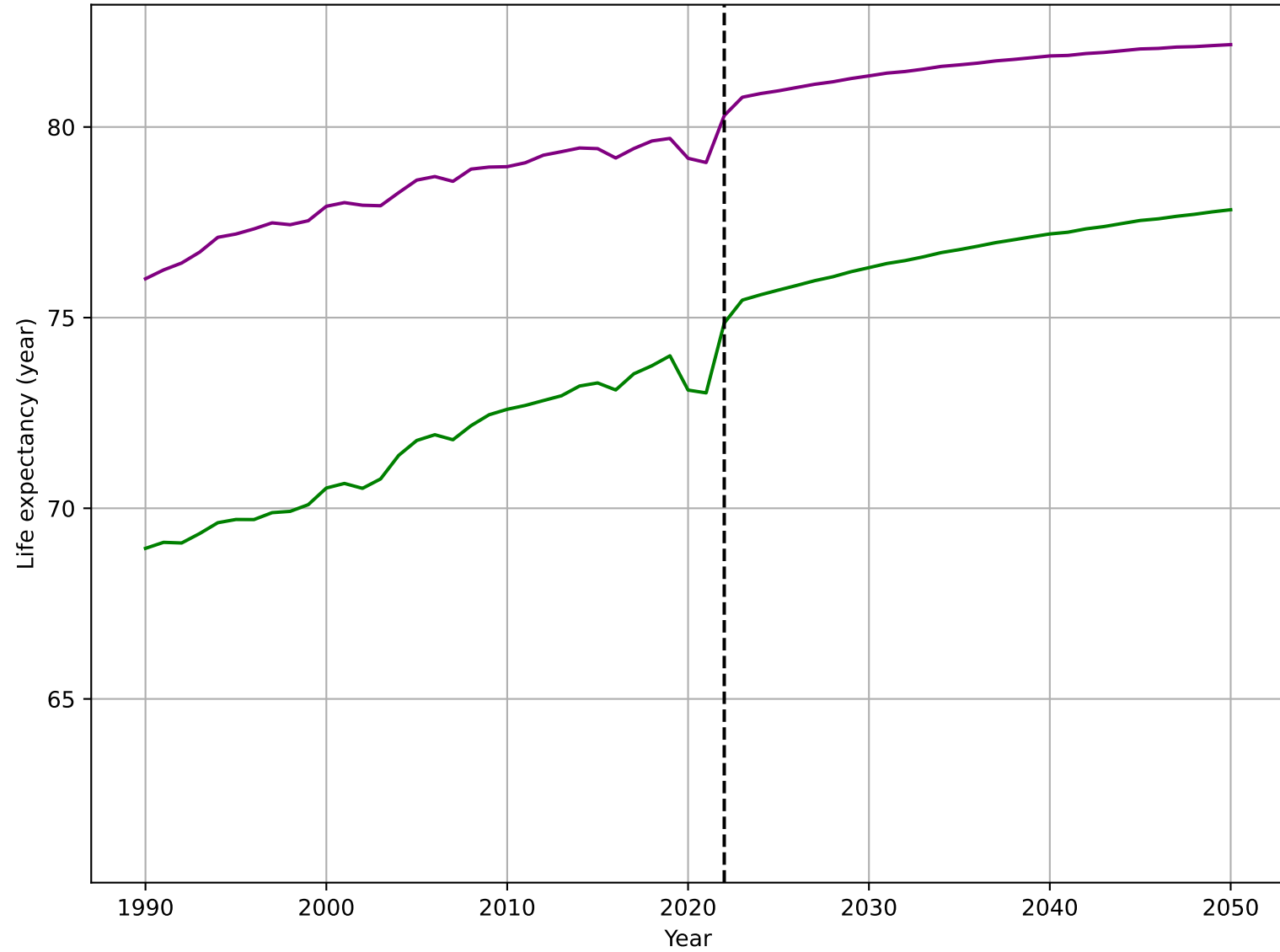


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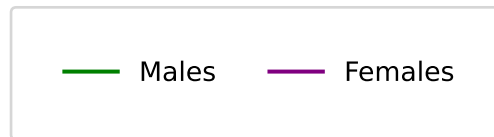
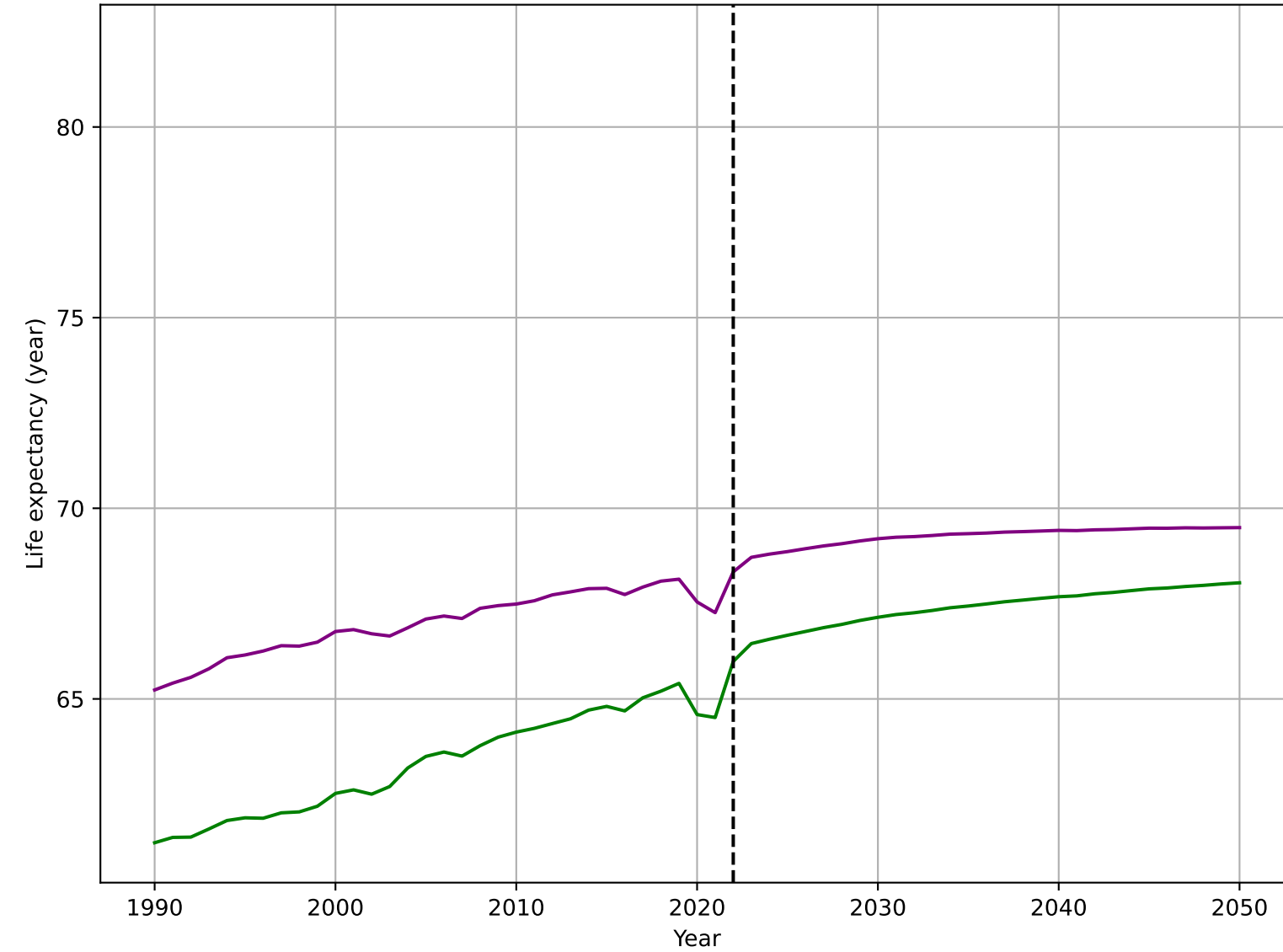


# Argentina

### Life Expectancy

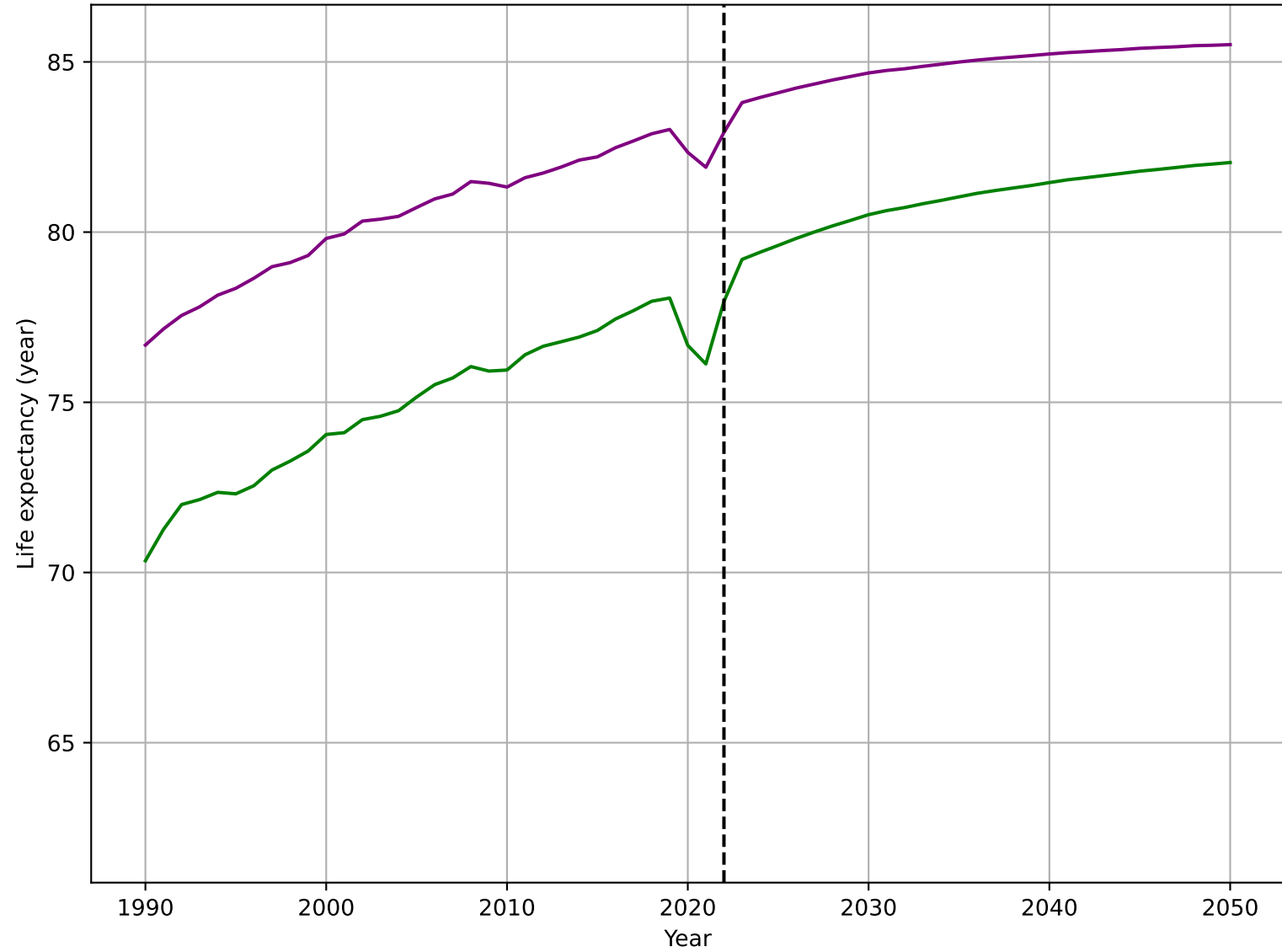


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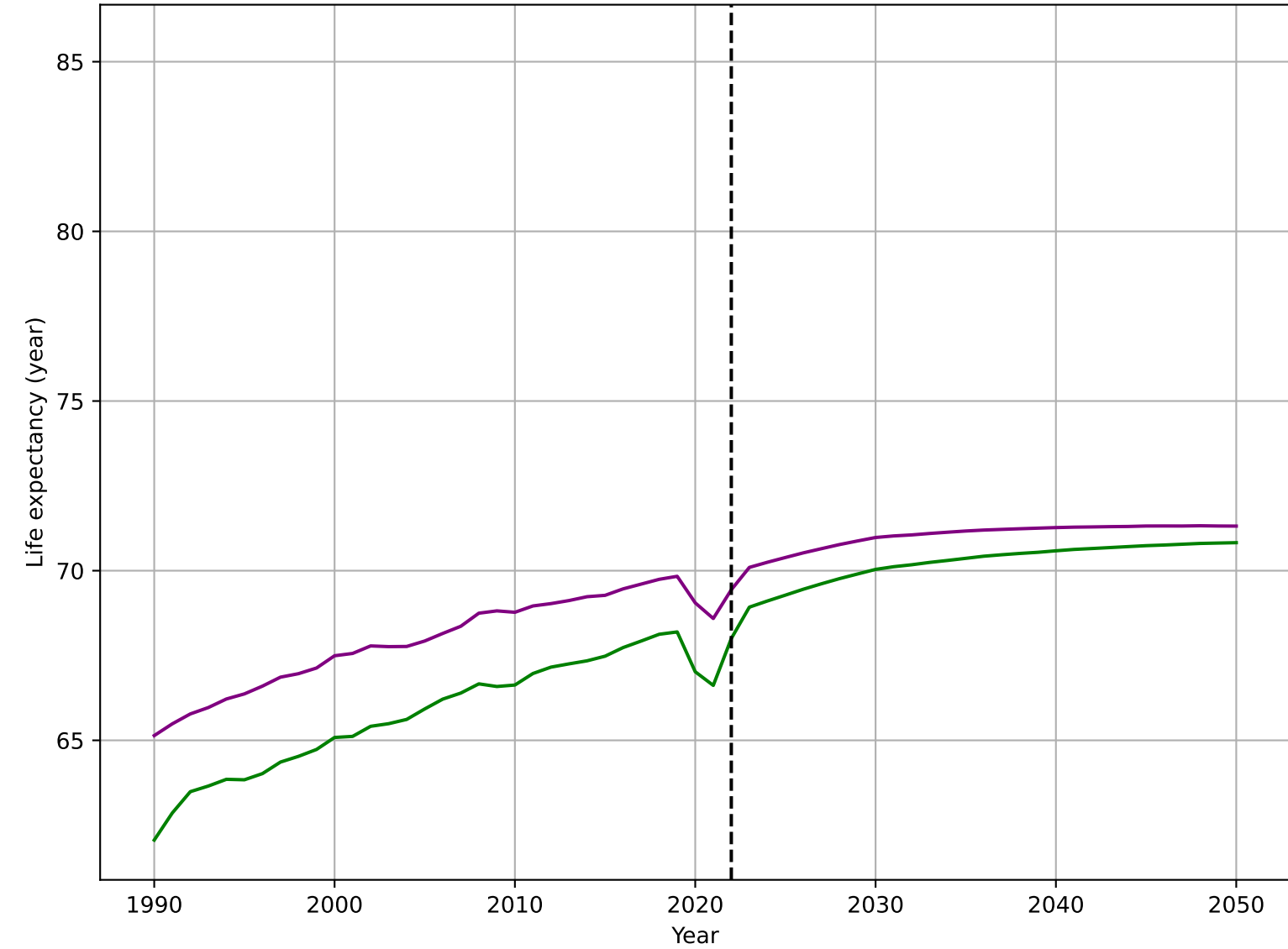


# Chile

### Life Expectancy

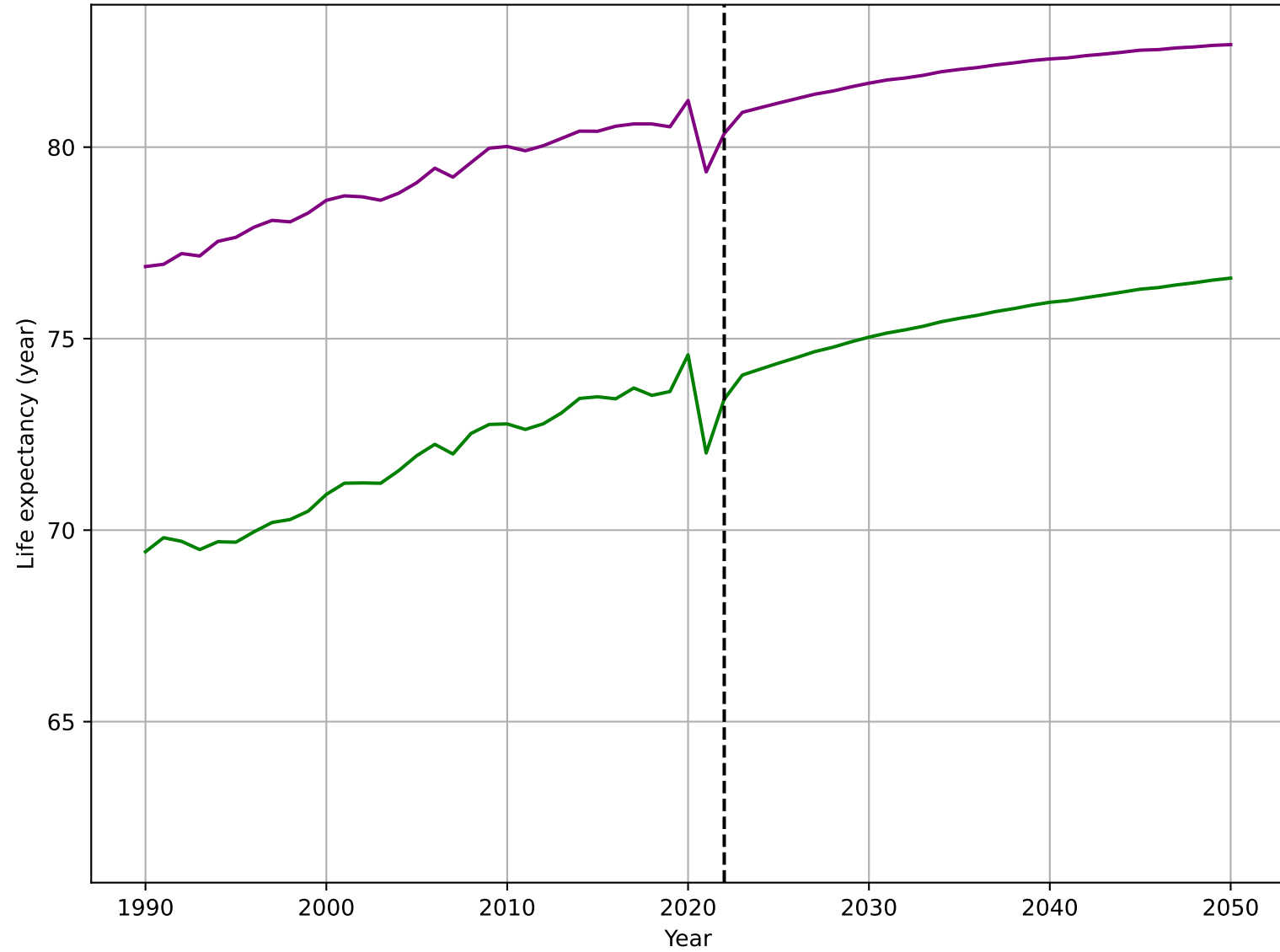


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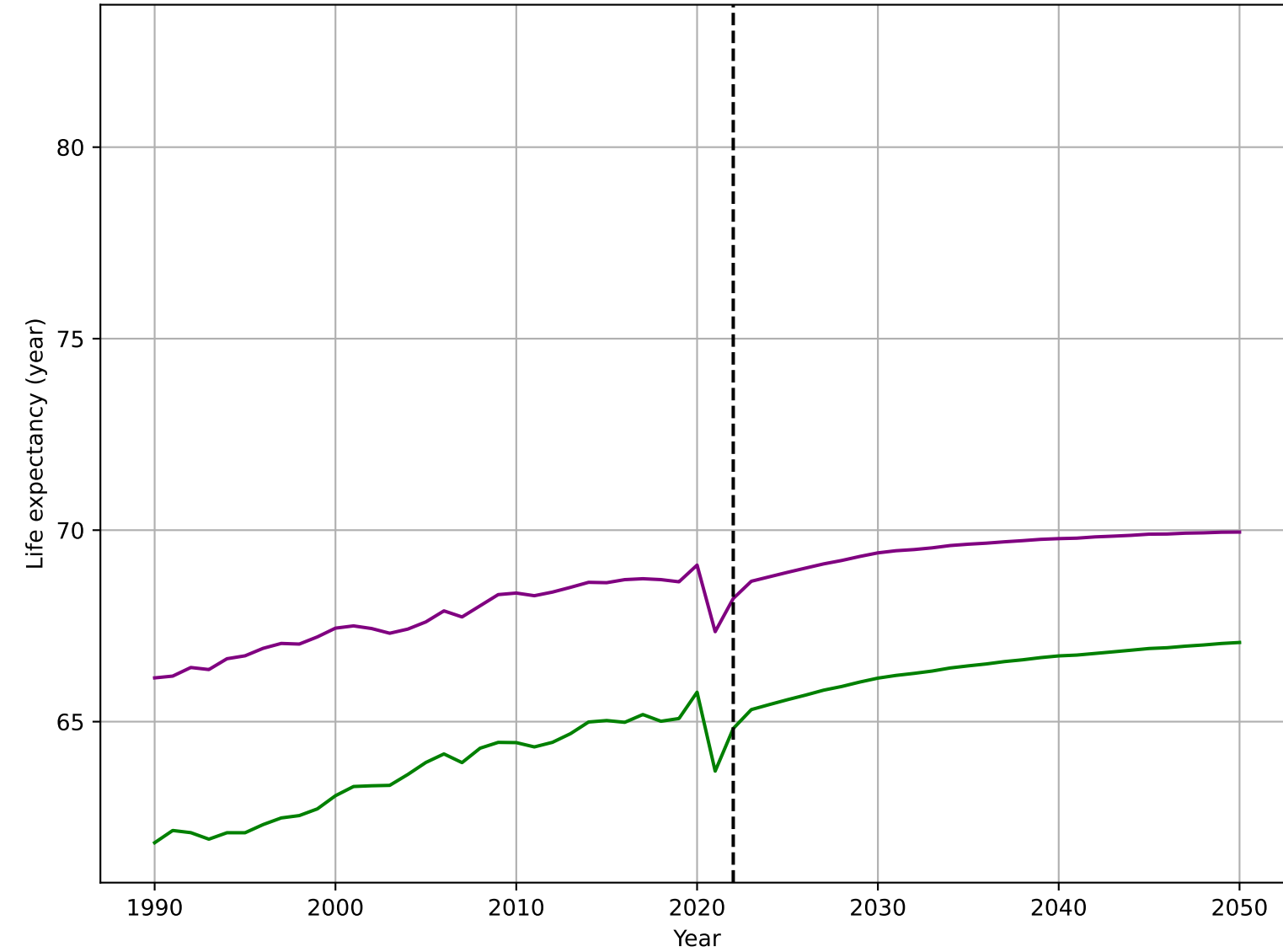


# Uruguay

### Life Expectancy

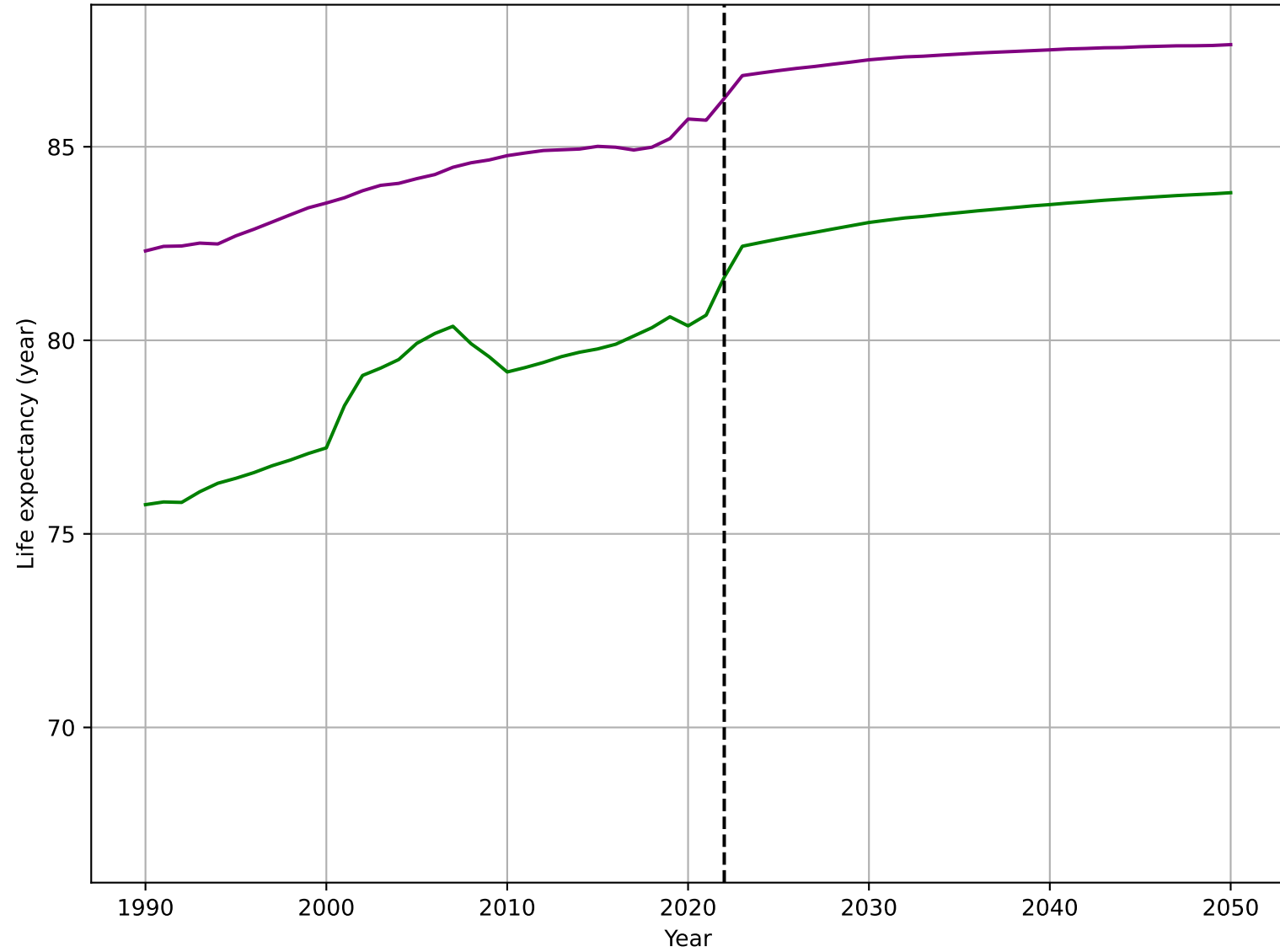


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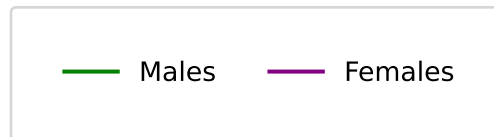
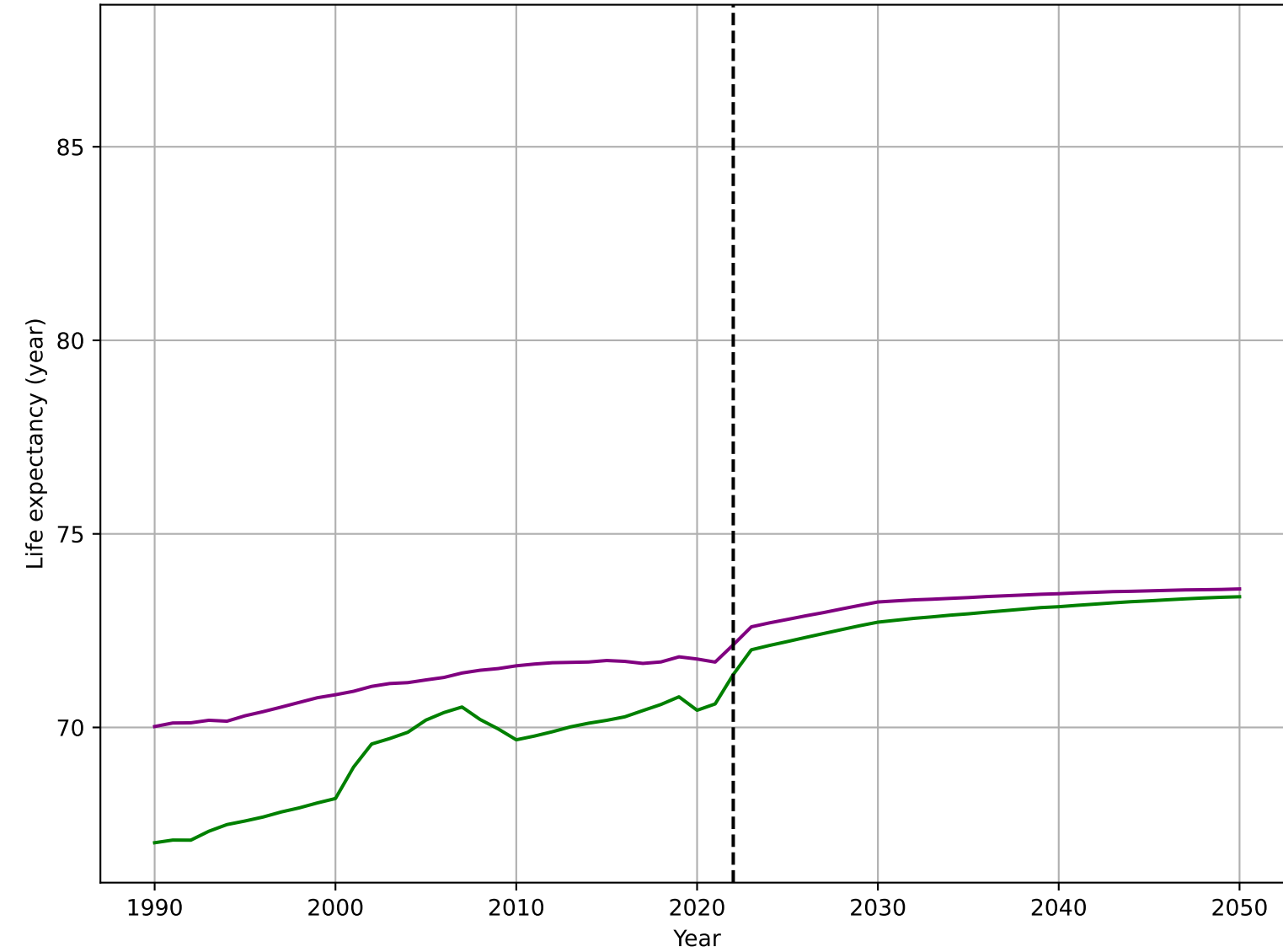


# Andorra

### Life Expectancy

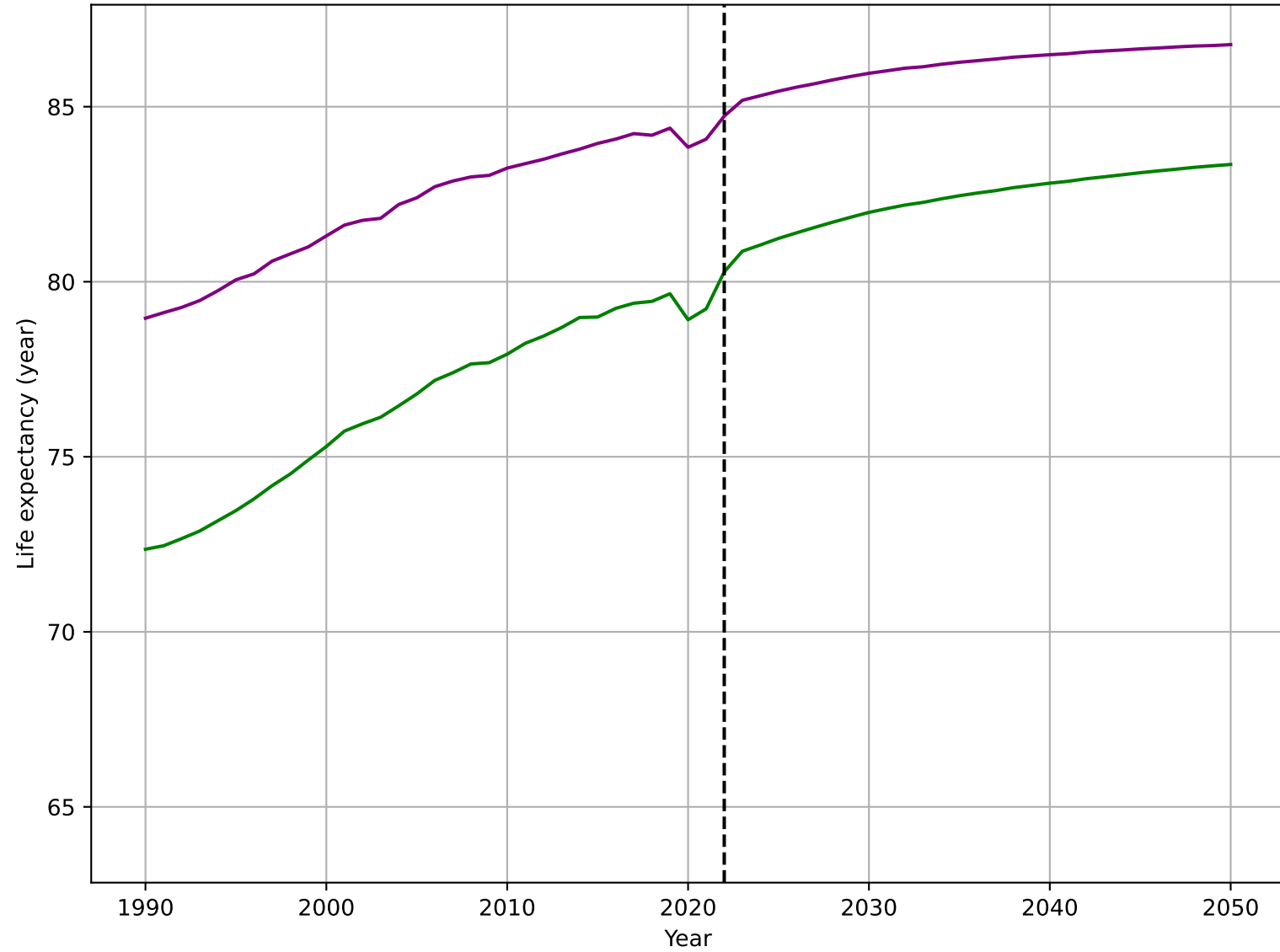


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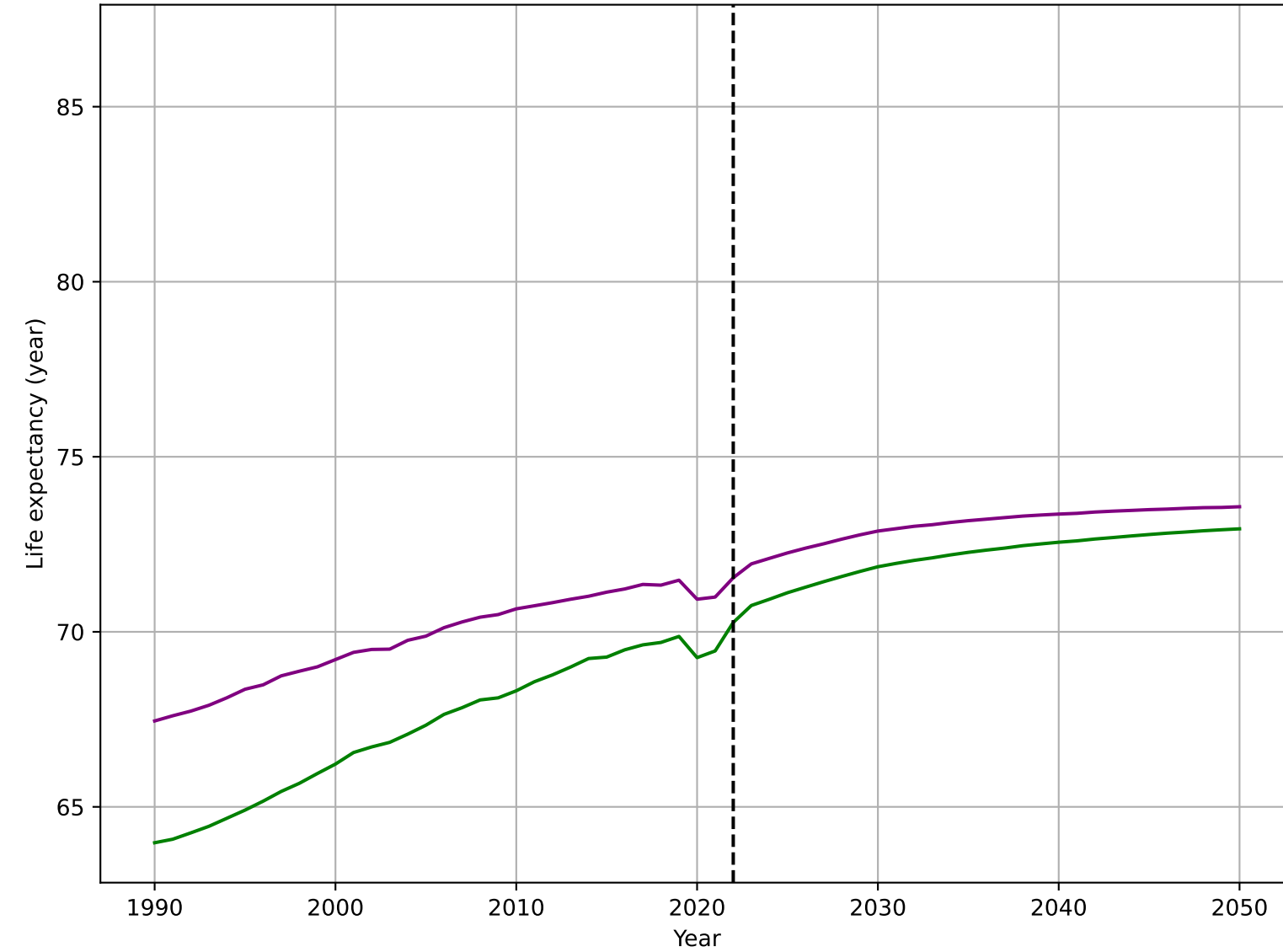


# Austria

### Life Expectancy

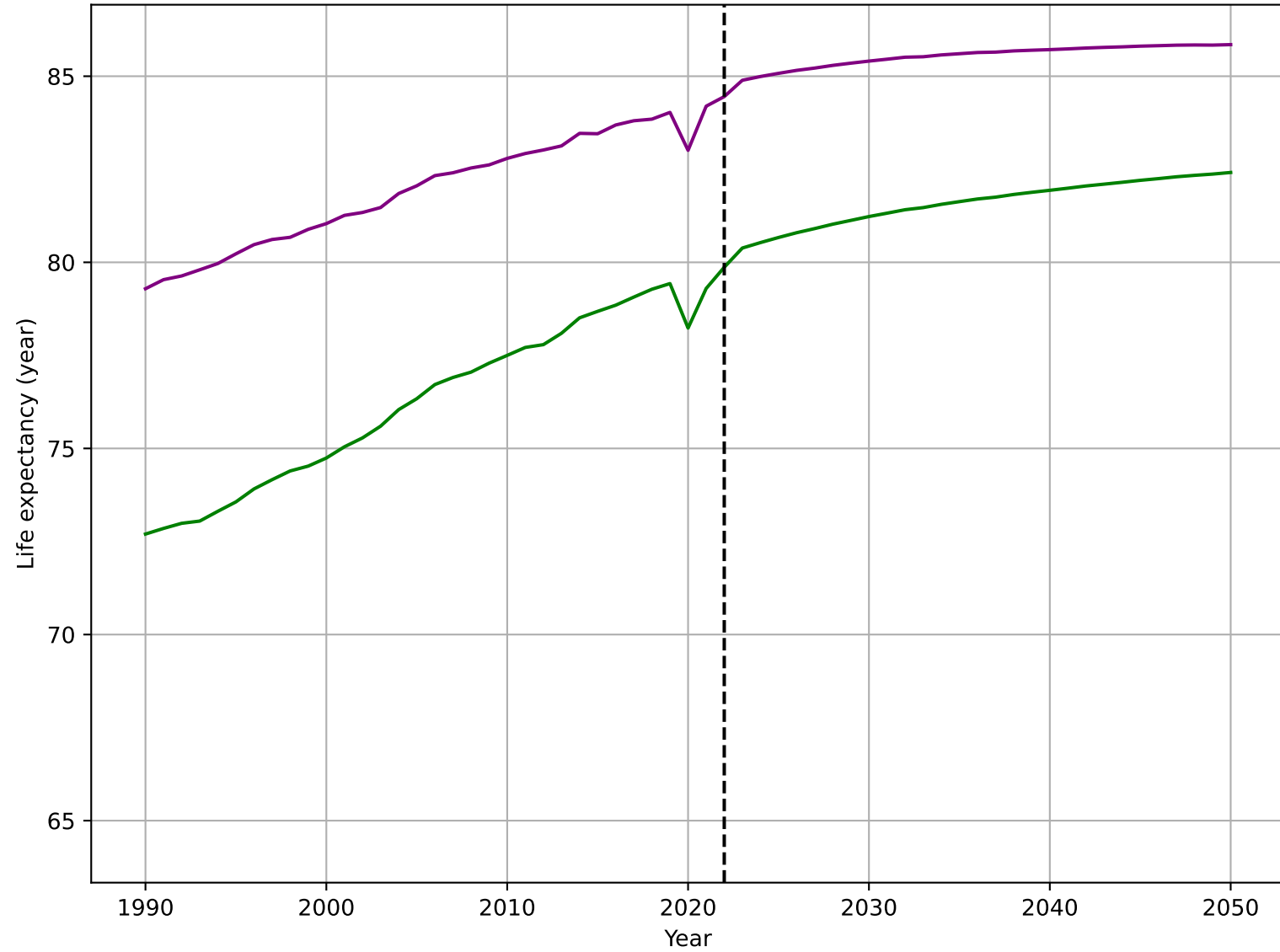


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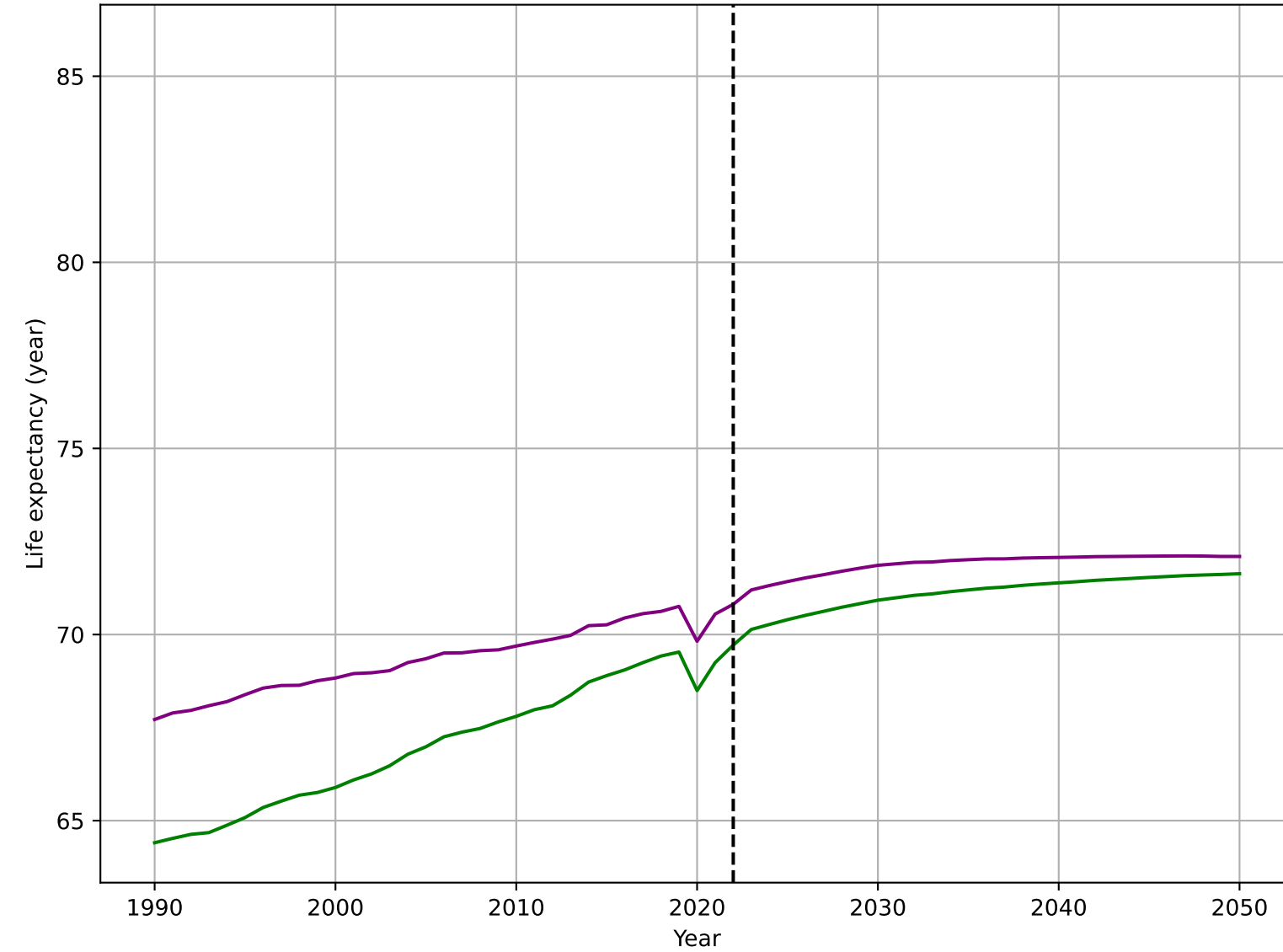


# Belgium

### Life Expectancy



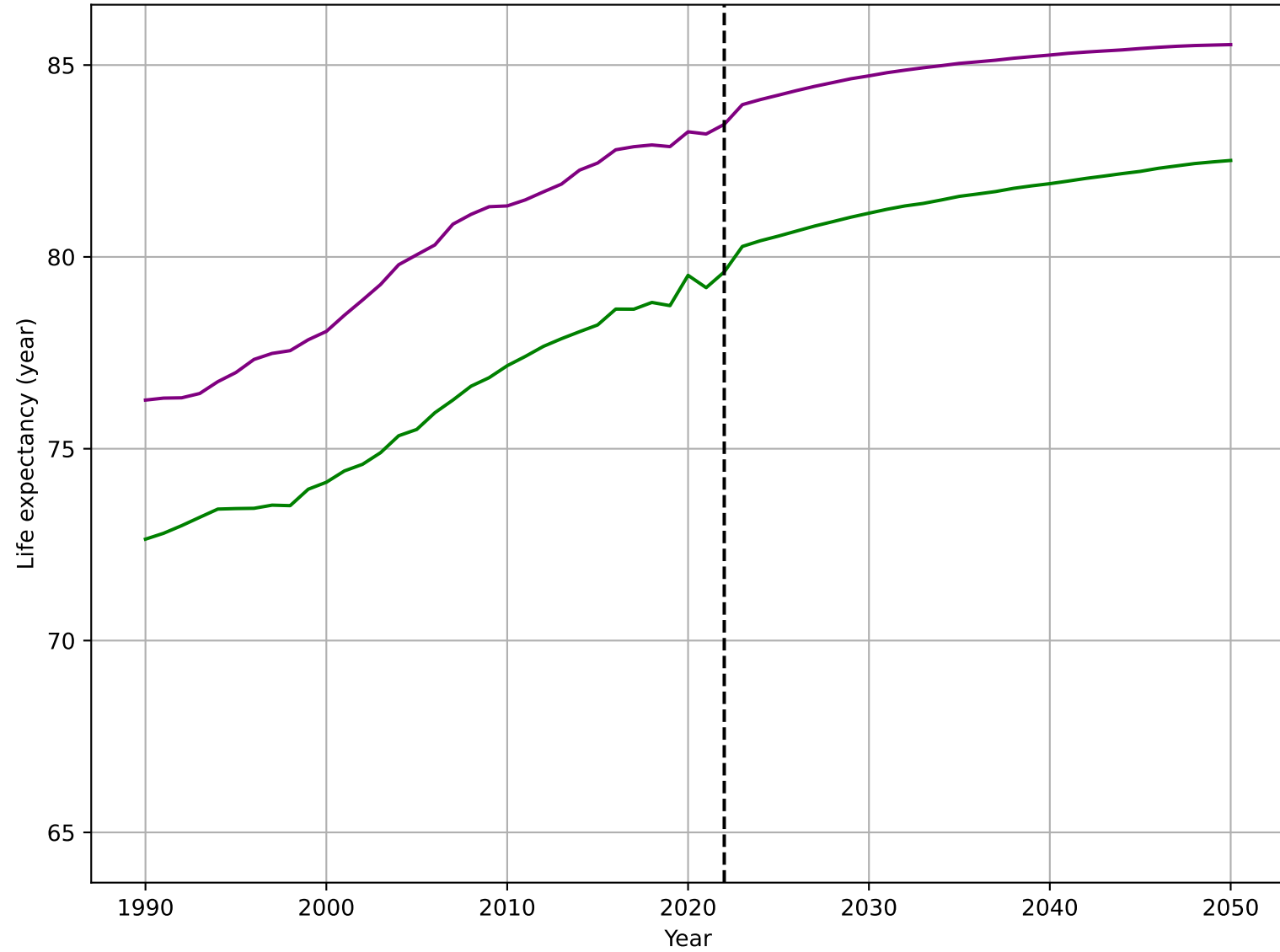
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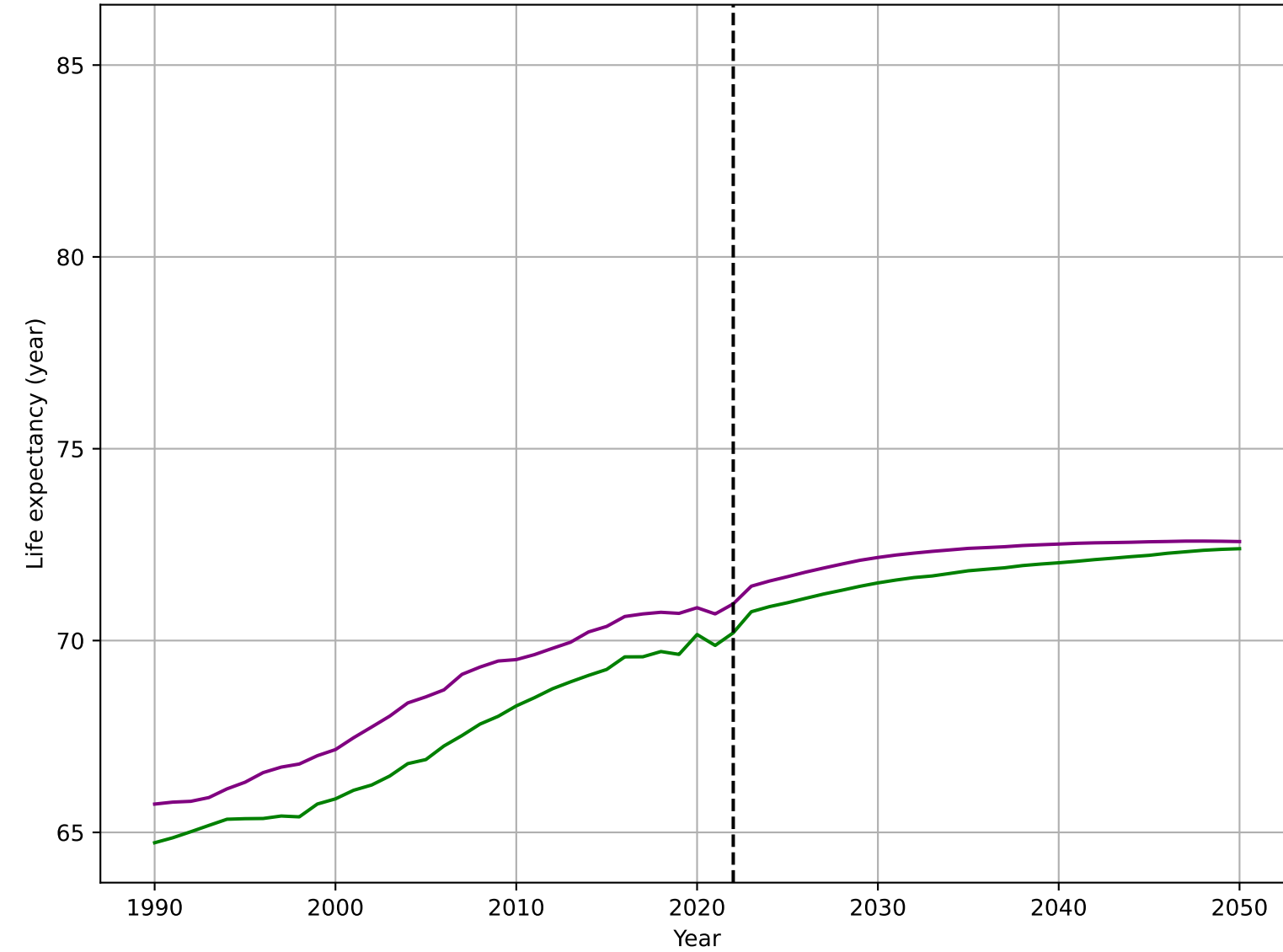


# Cyprus

### Life Expectancy

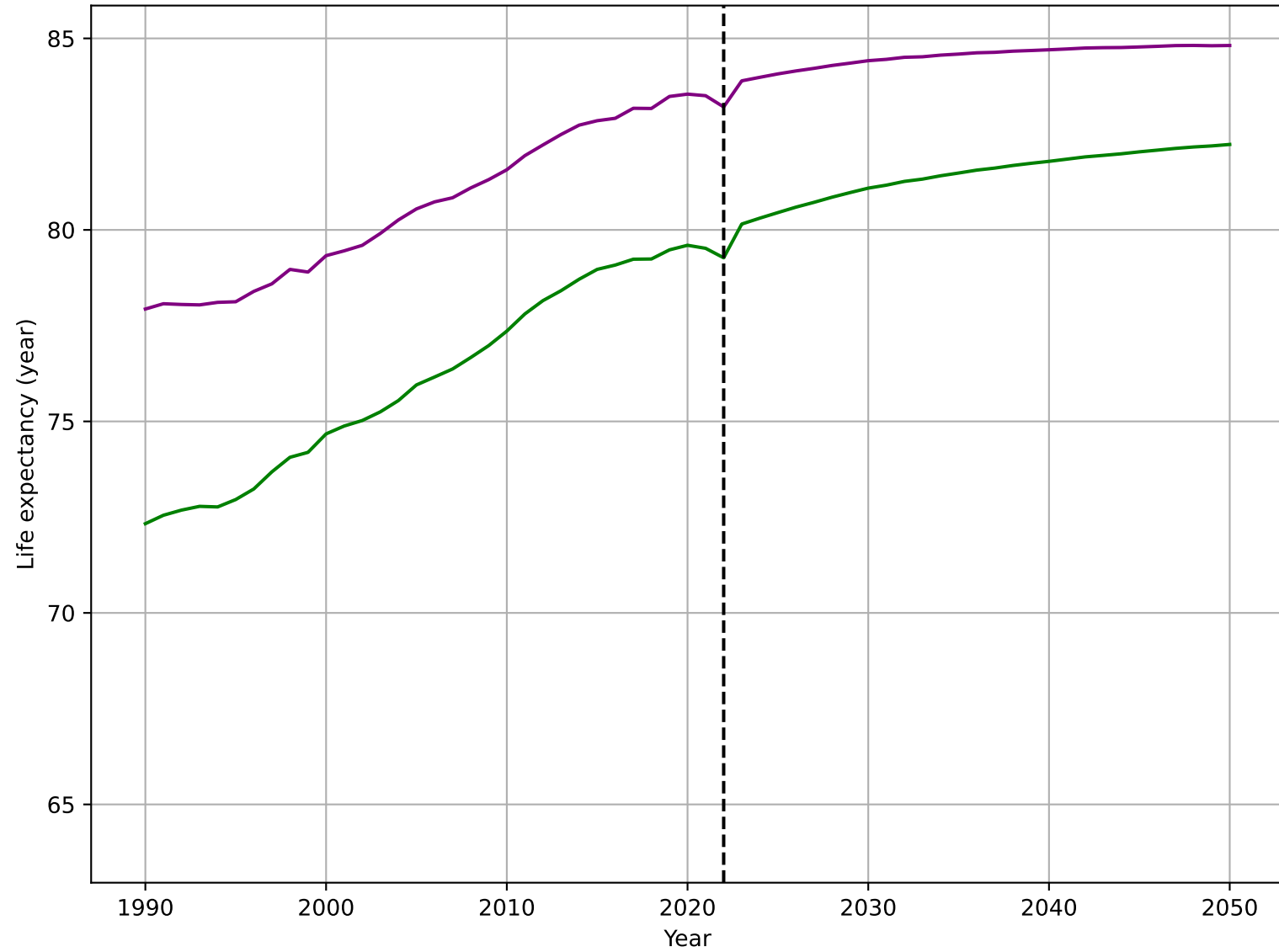


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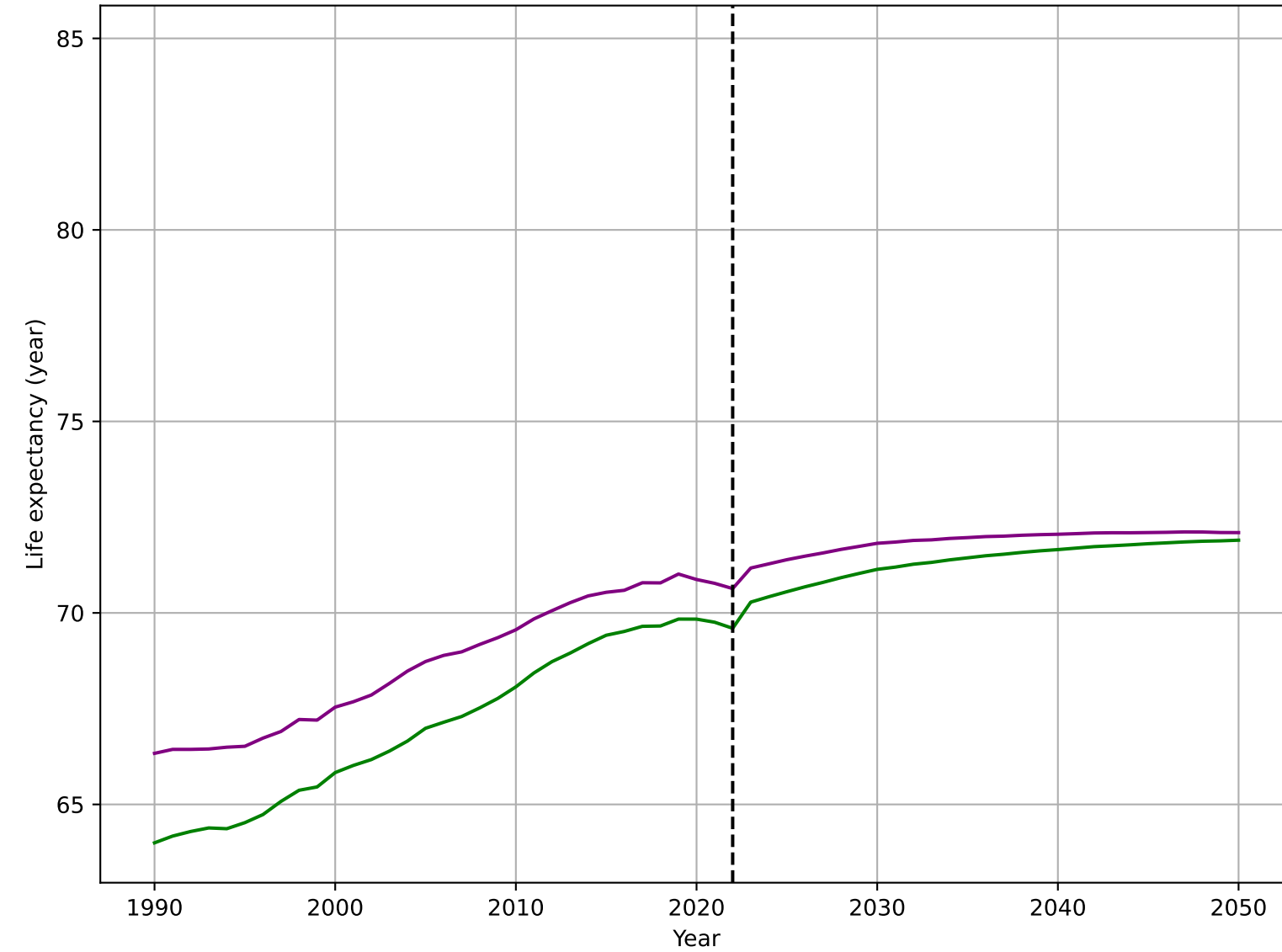


# Denmark

### Life Expectancy

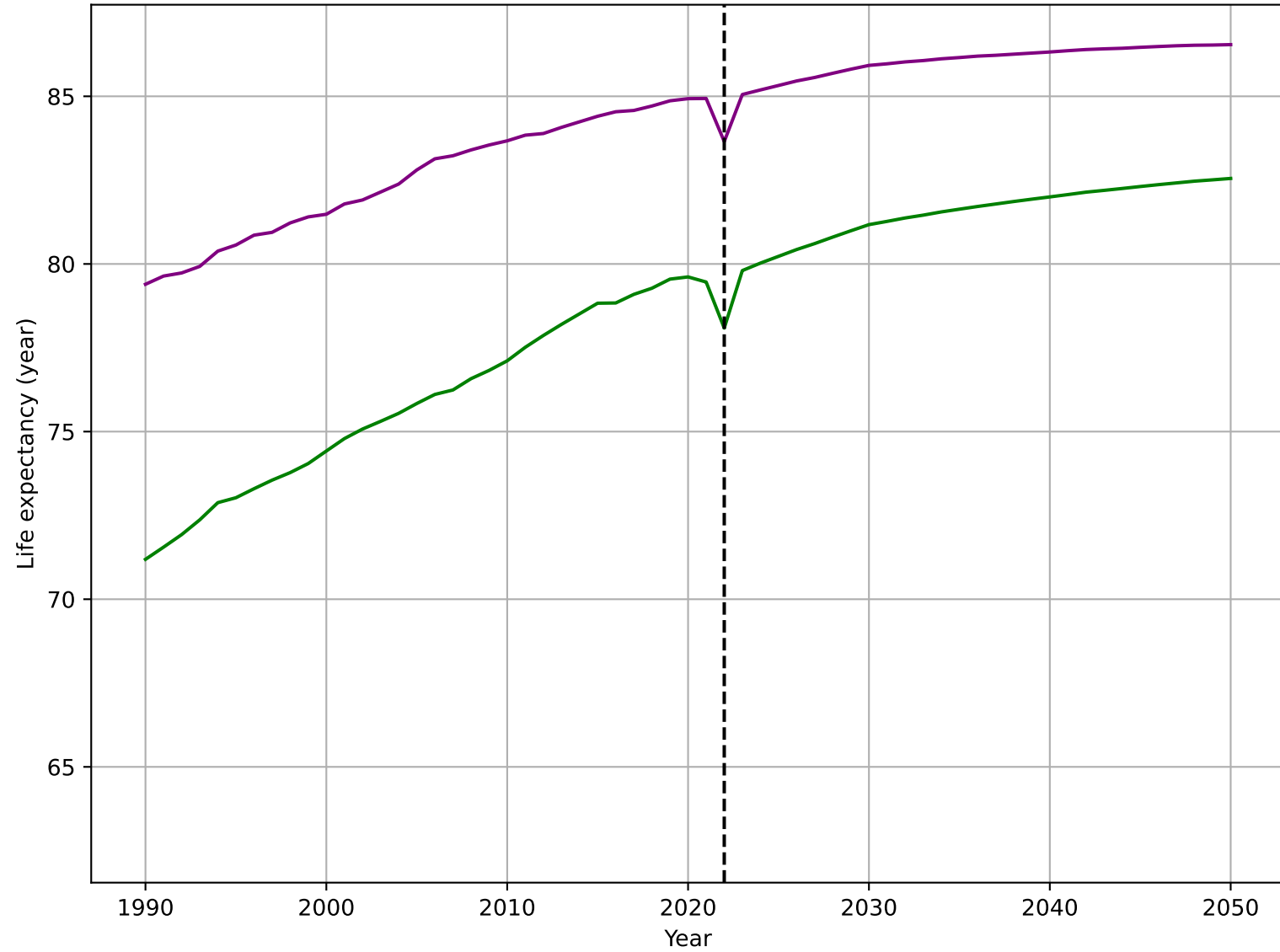


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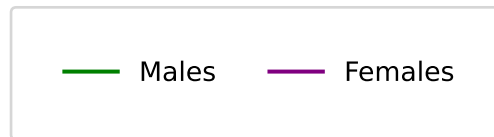
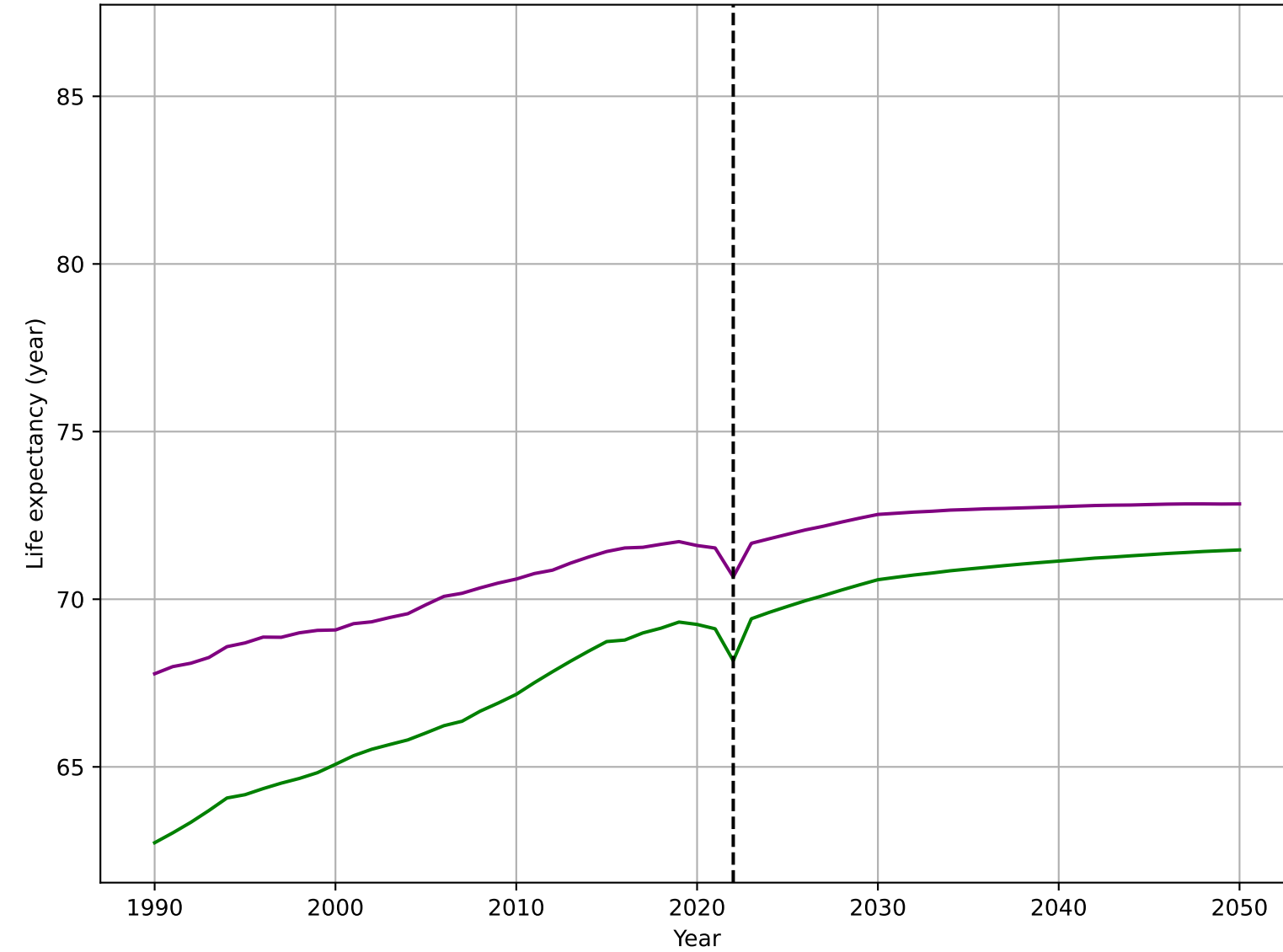


# Finland

### Life Expectancy

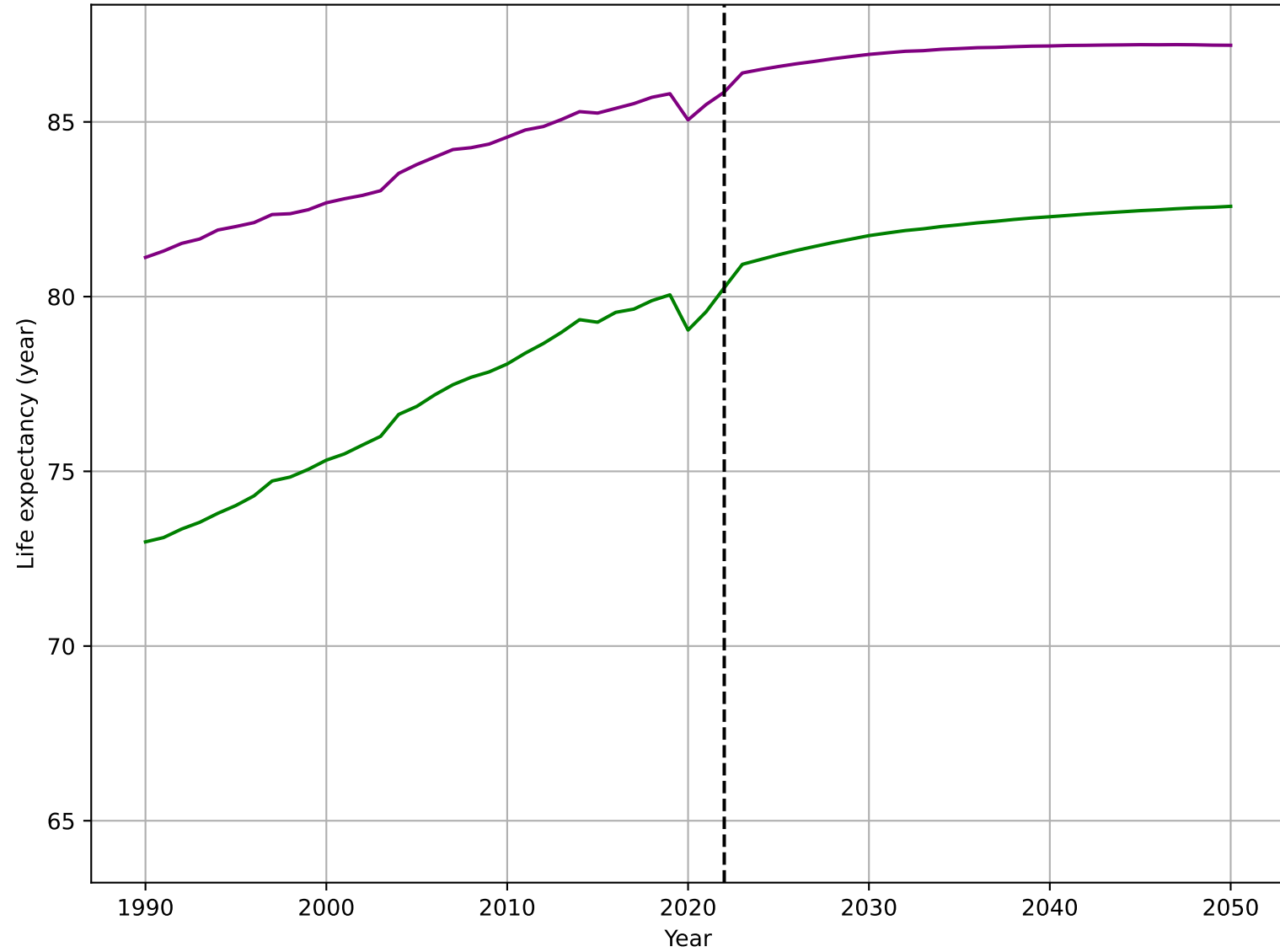


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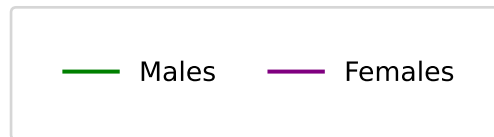
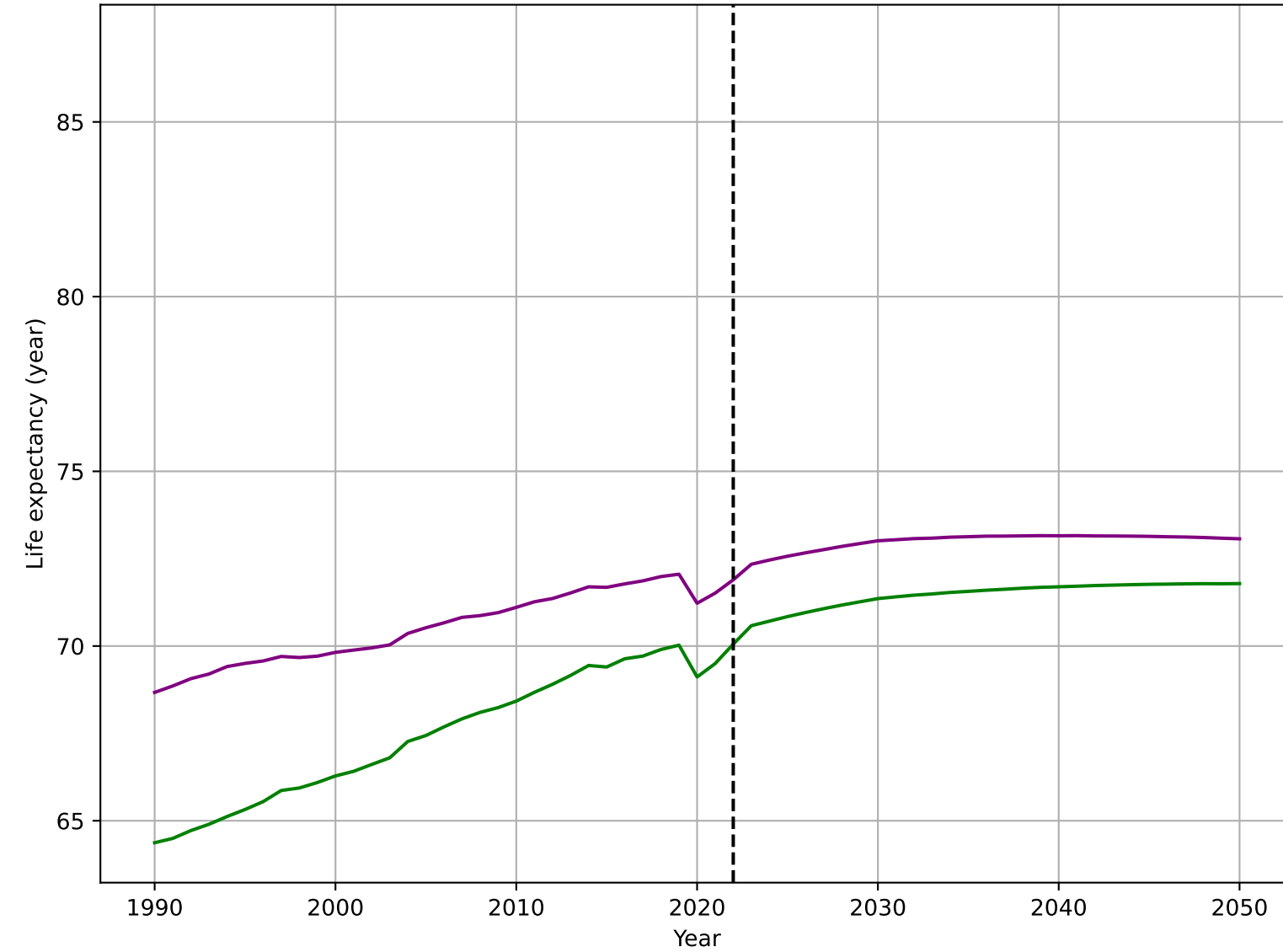


# France

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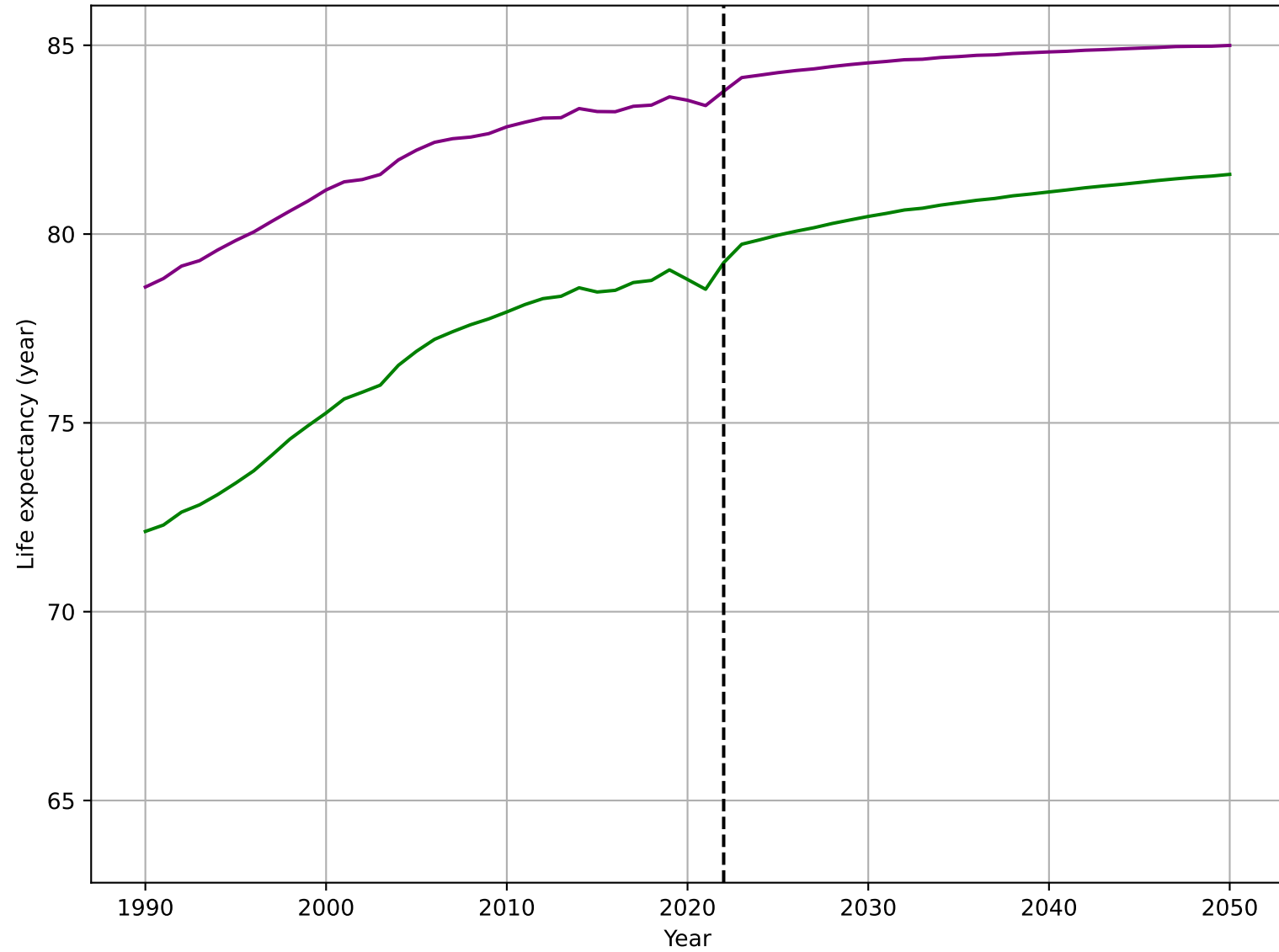


### Healthy Life Expectancy (HALE)

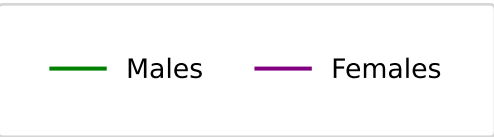
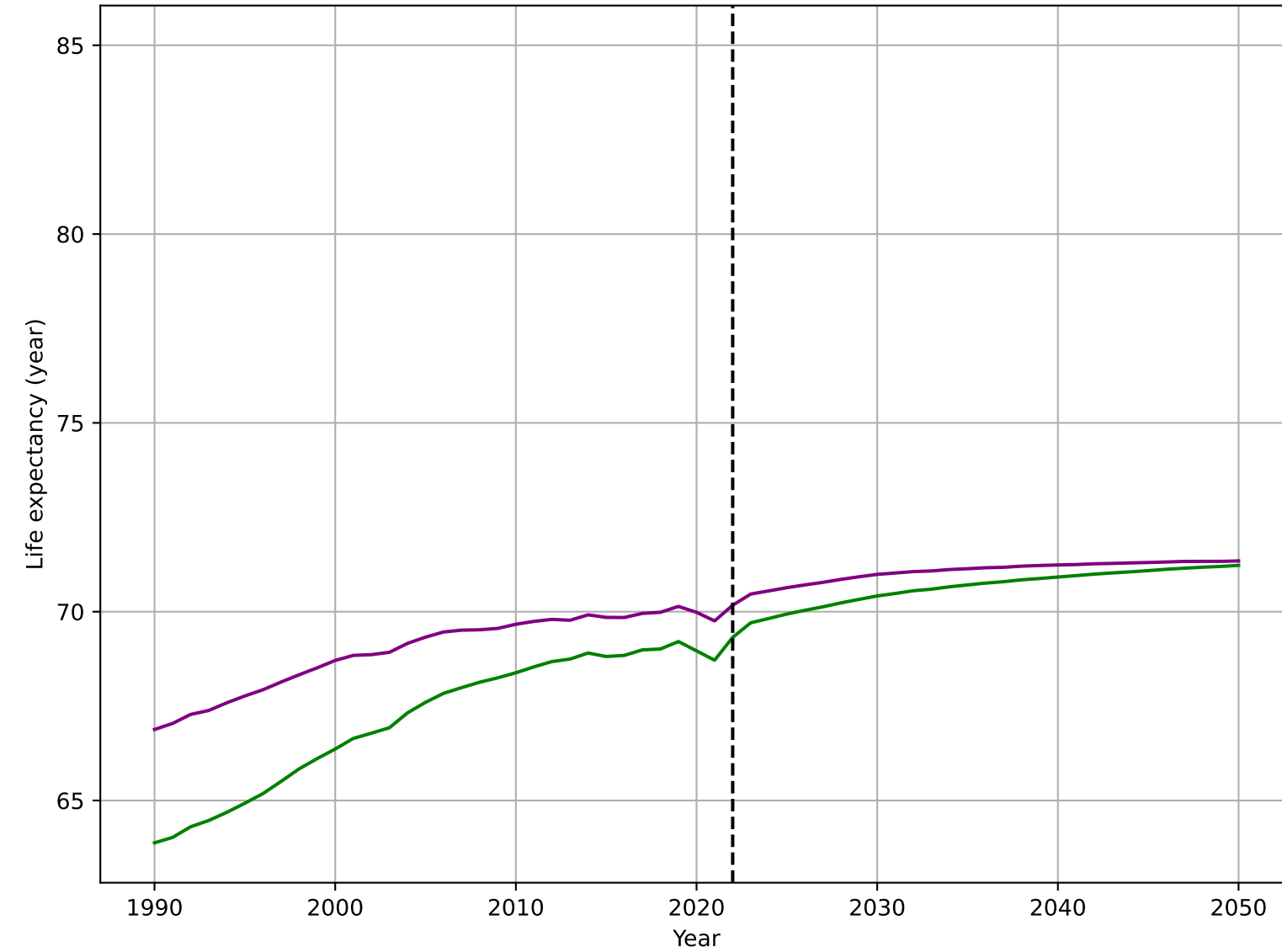


# Germany

### Life Expectancy

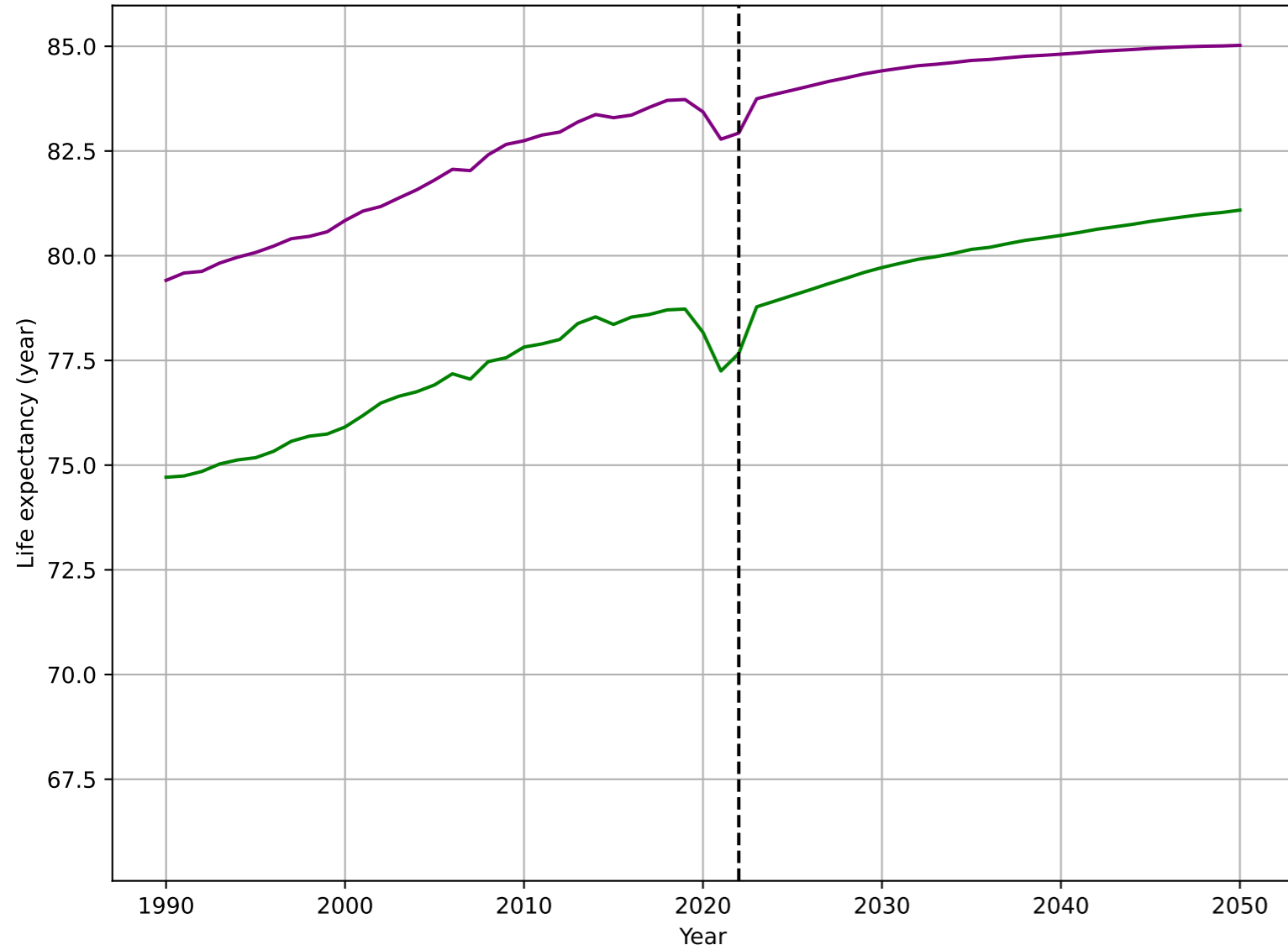


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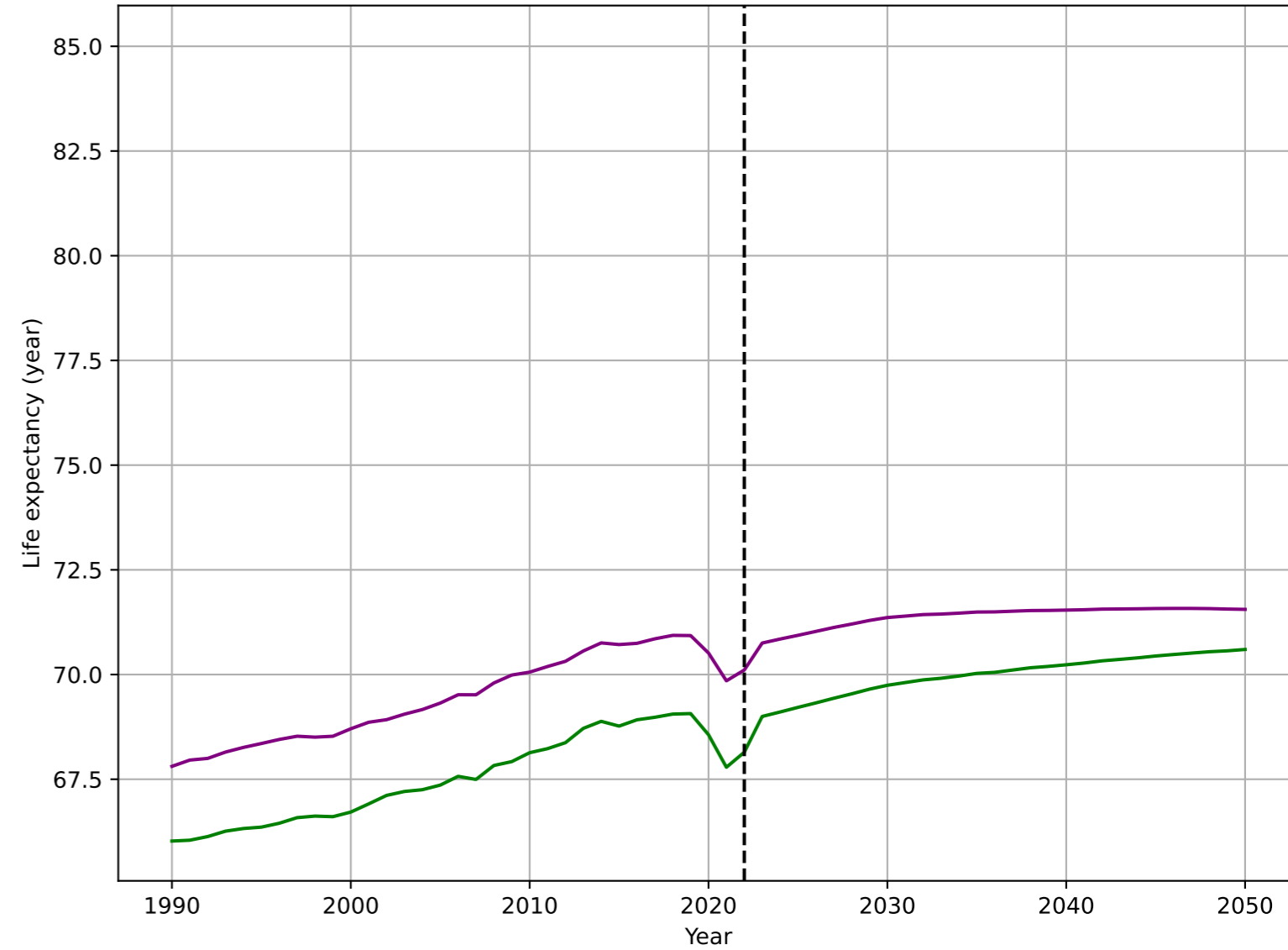


# Greece

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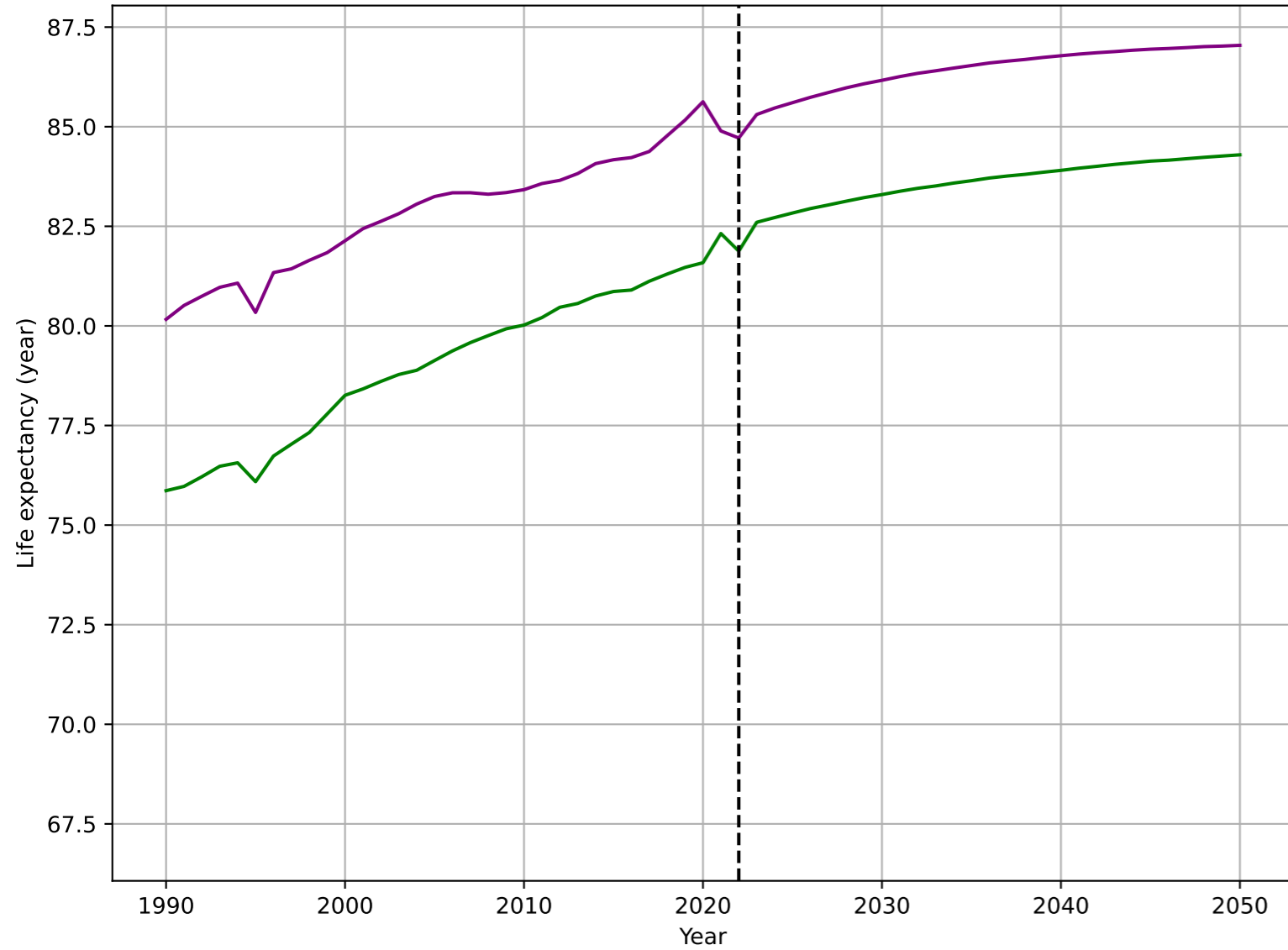


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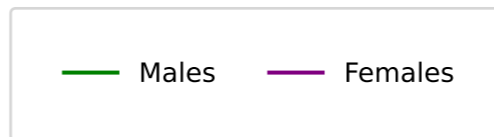
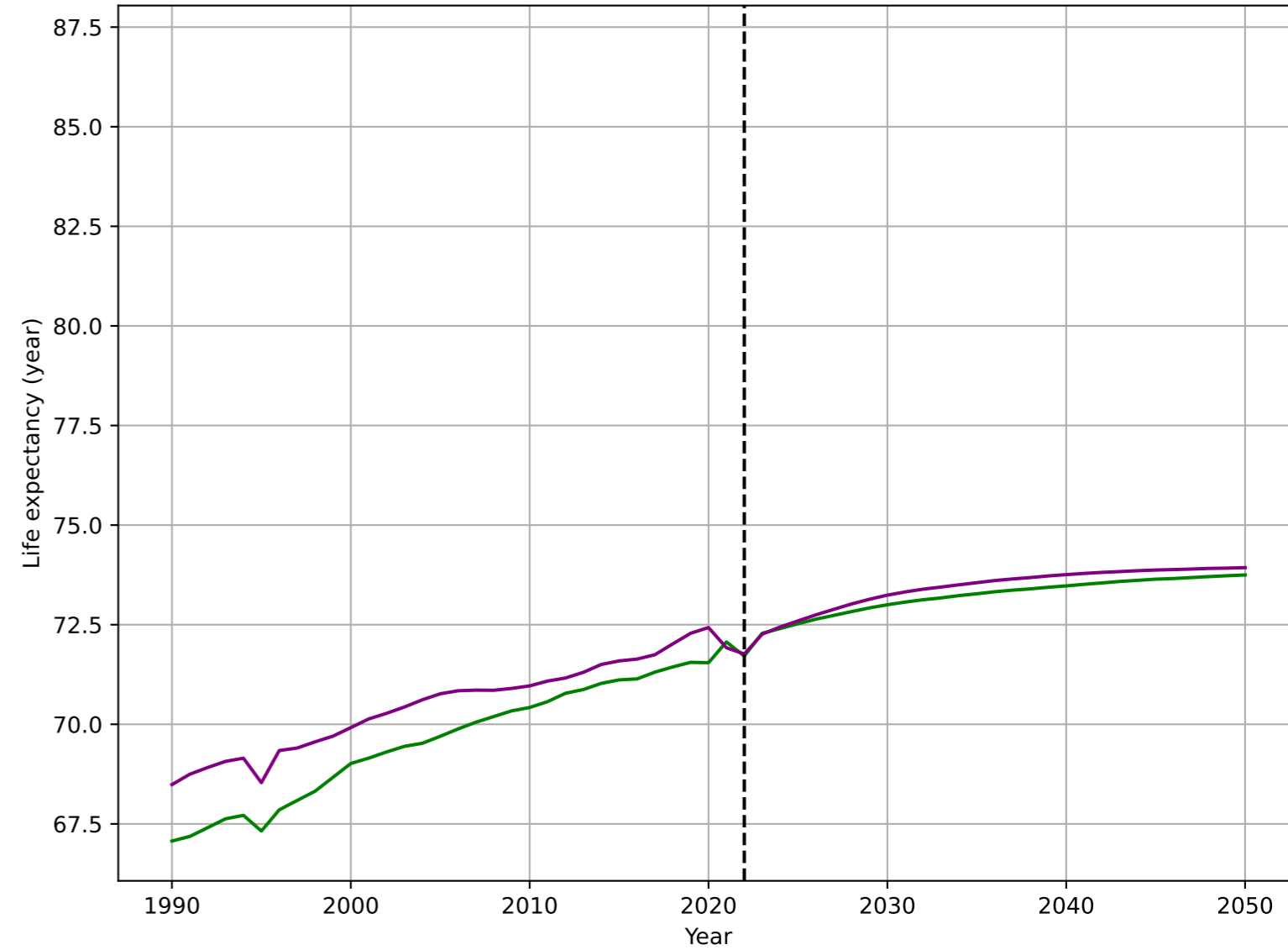


# Iceland

### Life Expectancy

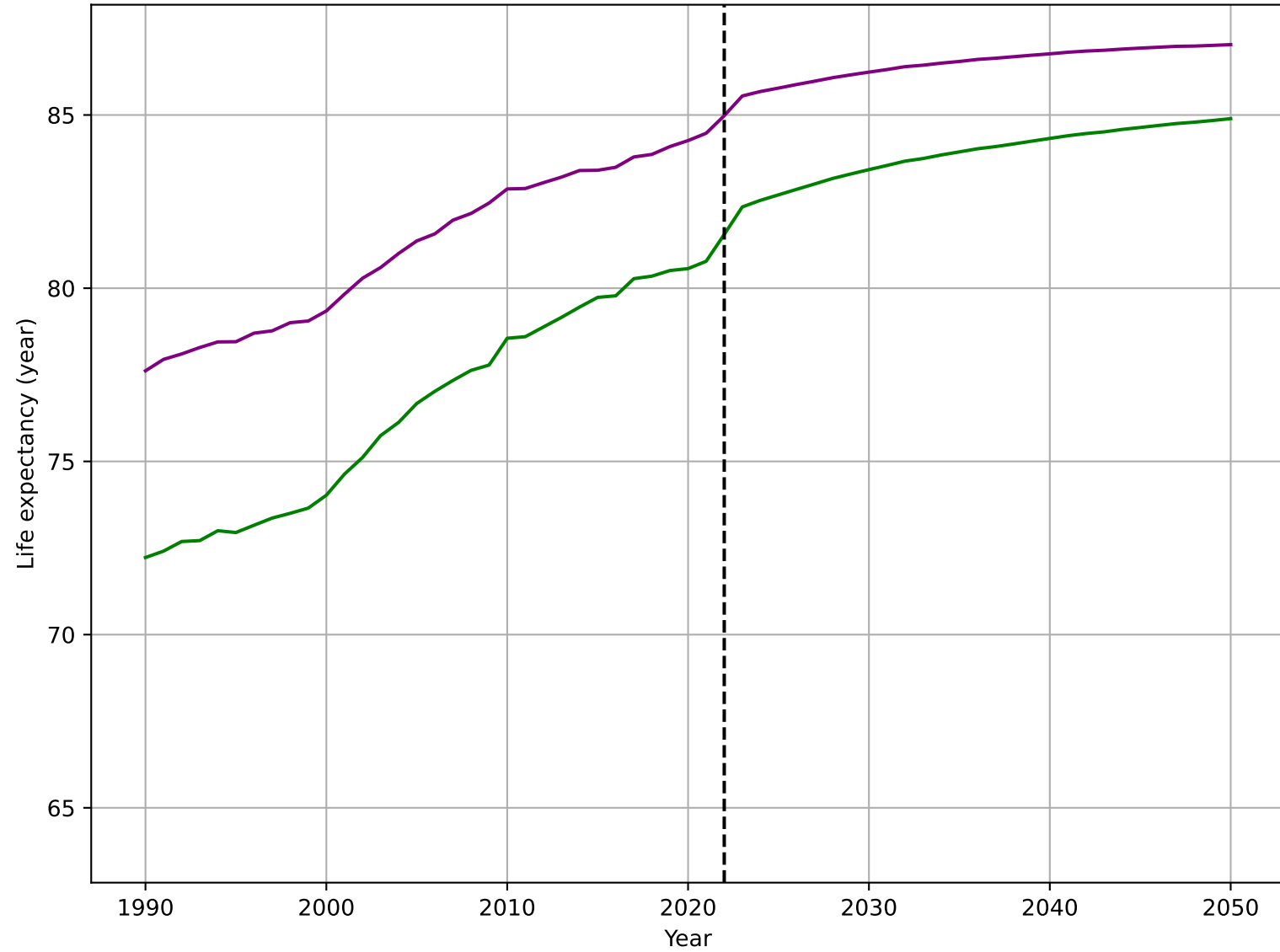


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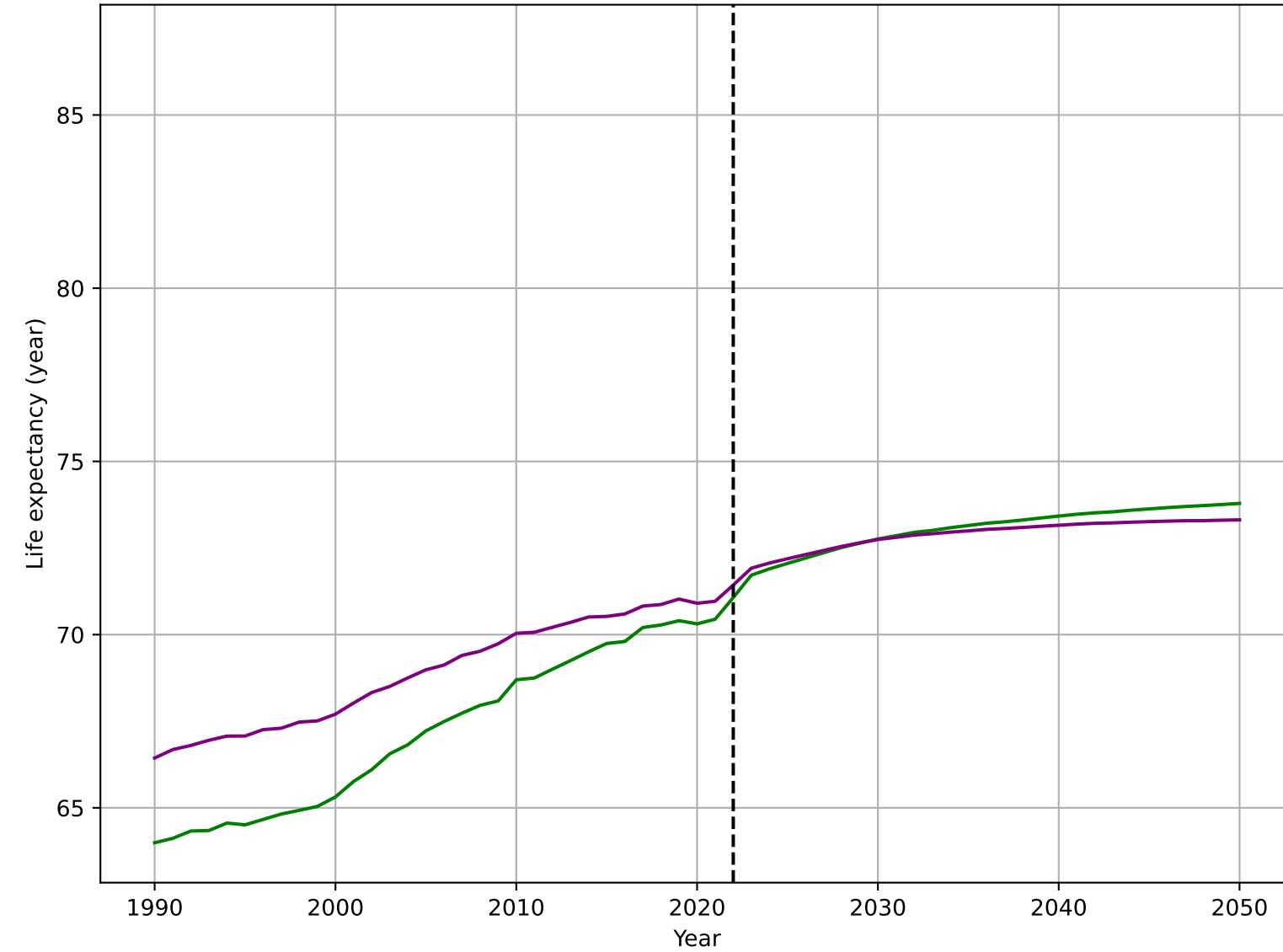


# Ireland

### Life Expectancy



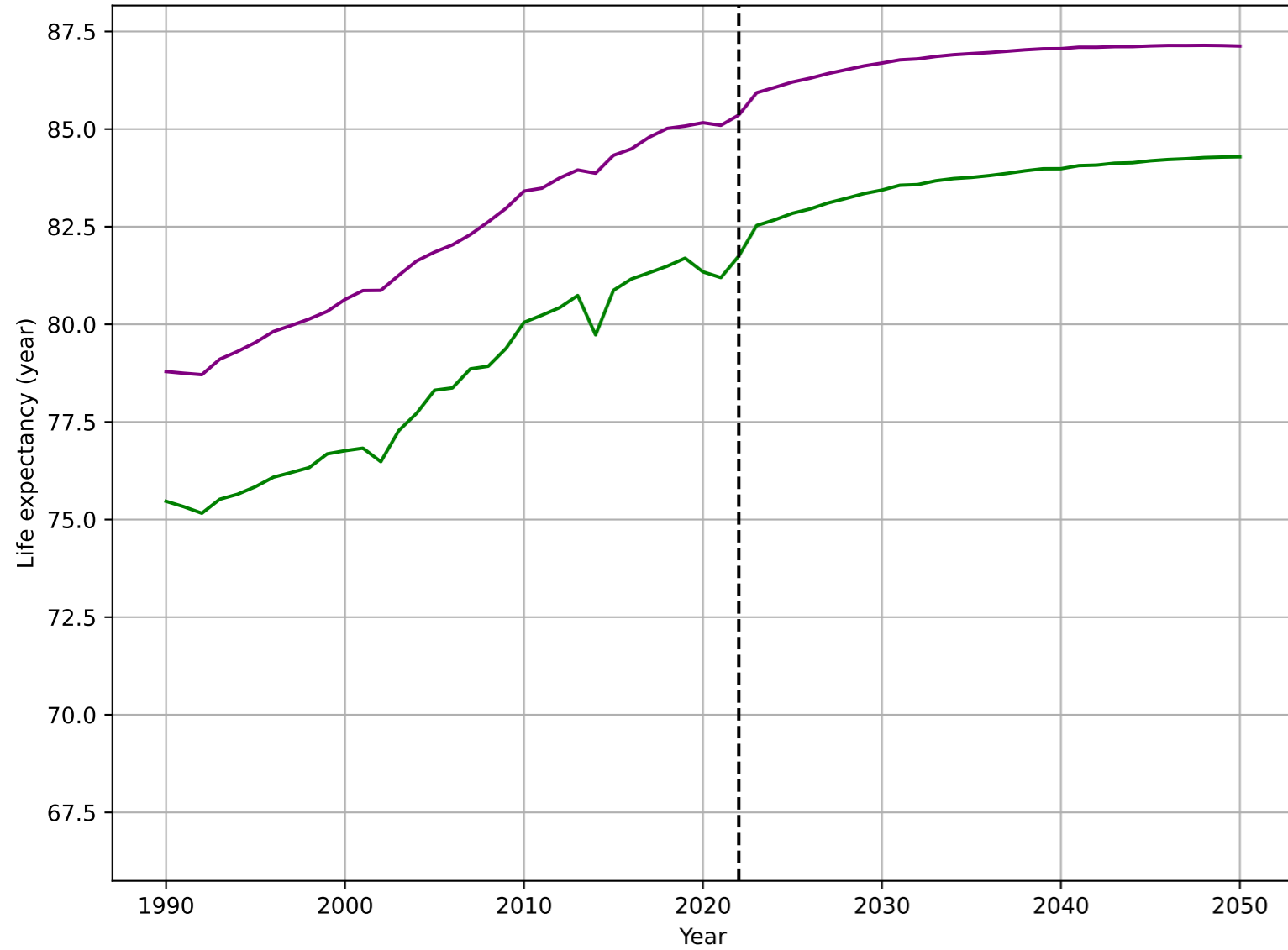
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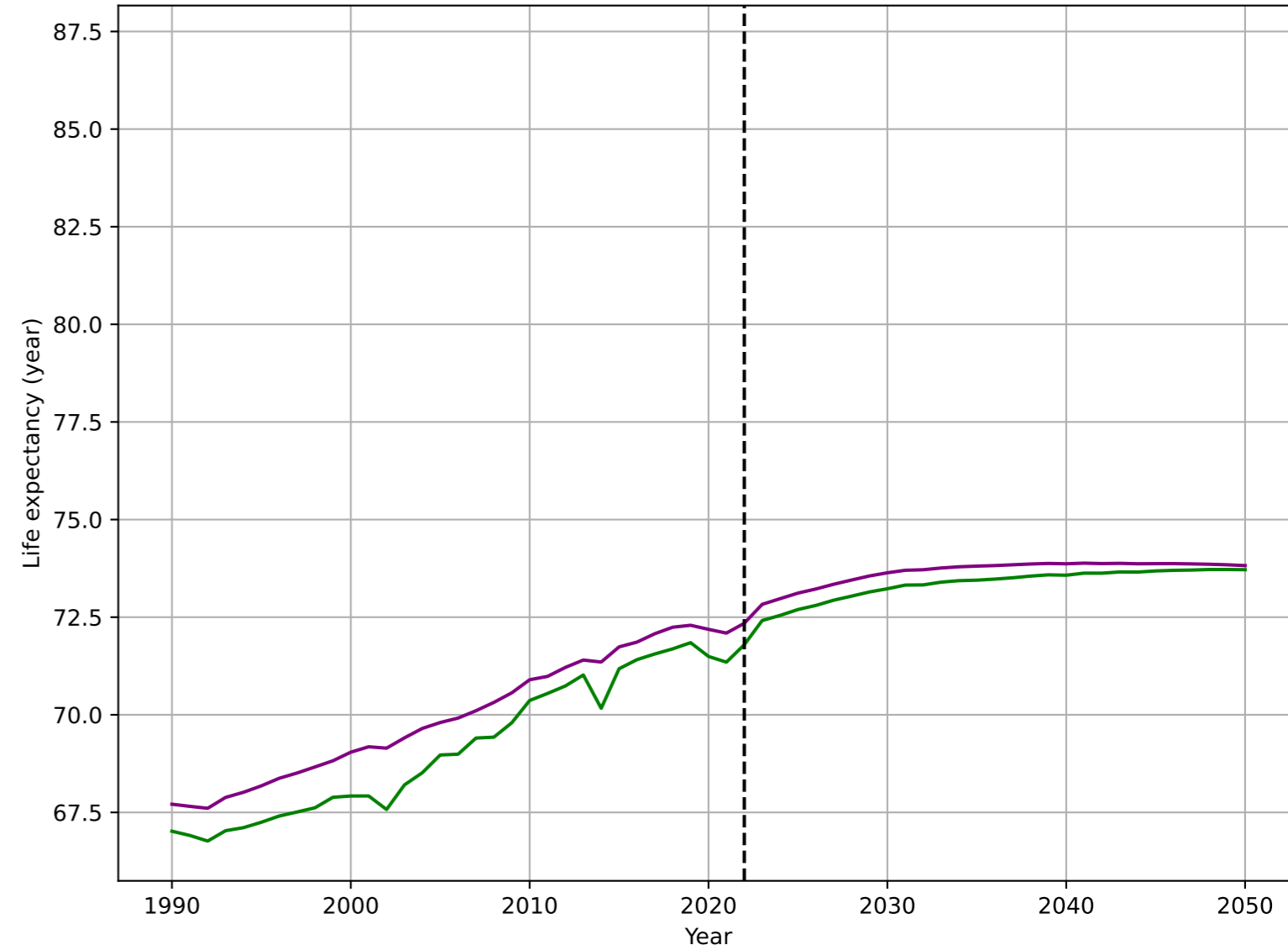


# Israel

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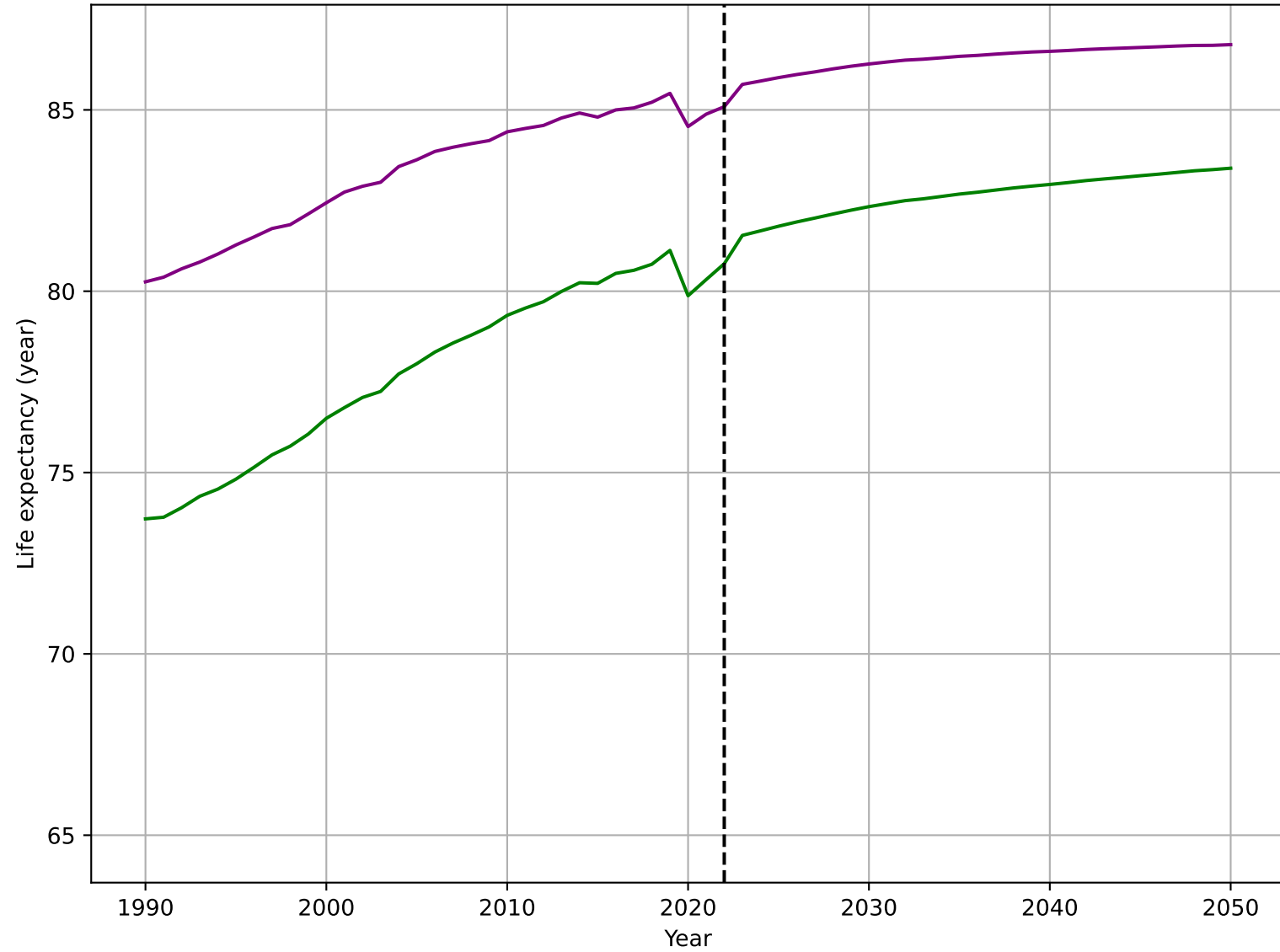


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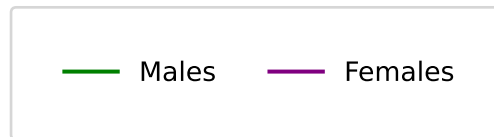
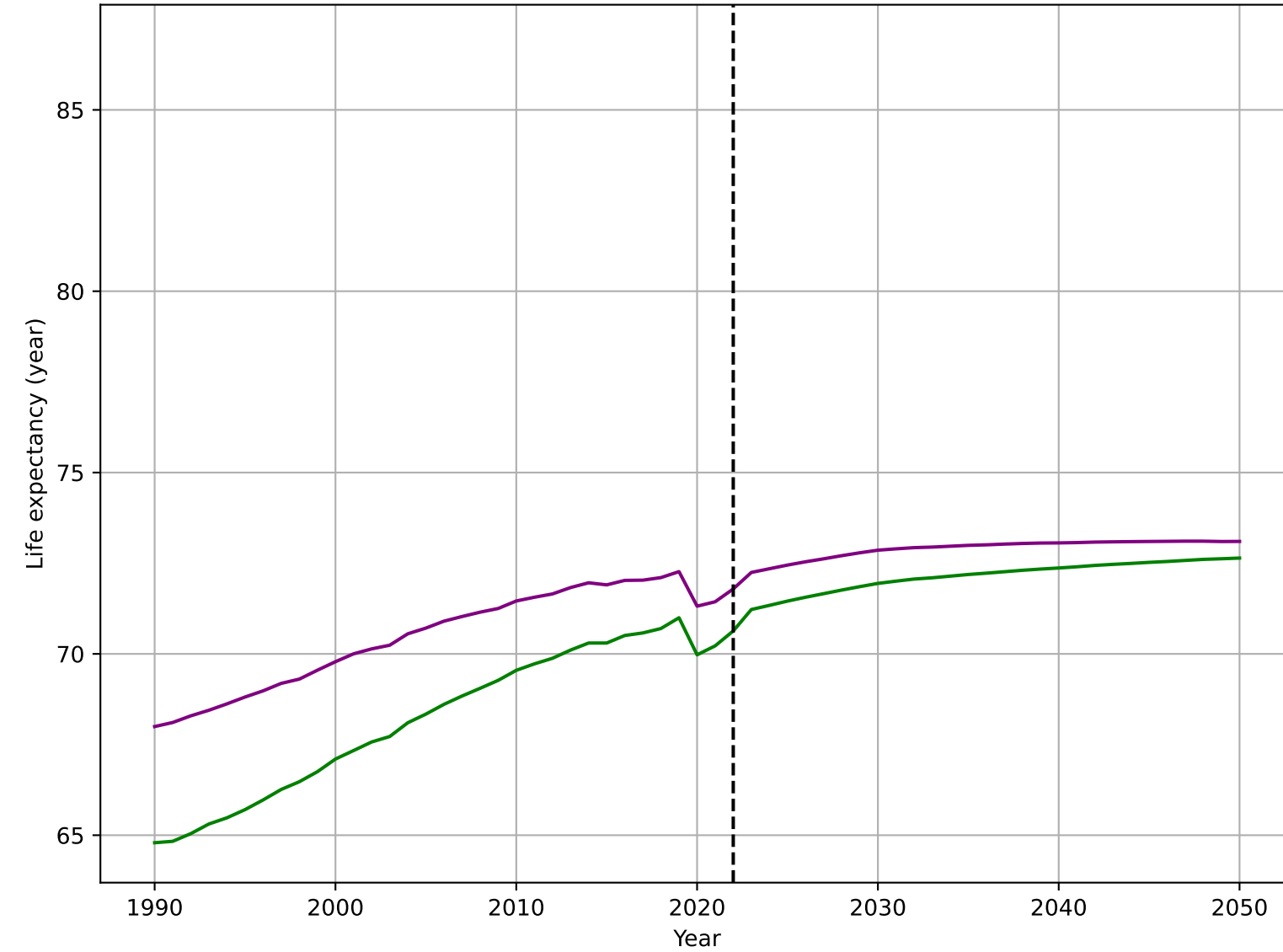


# Italy

### Life Expectancy

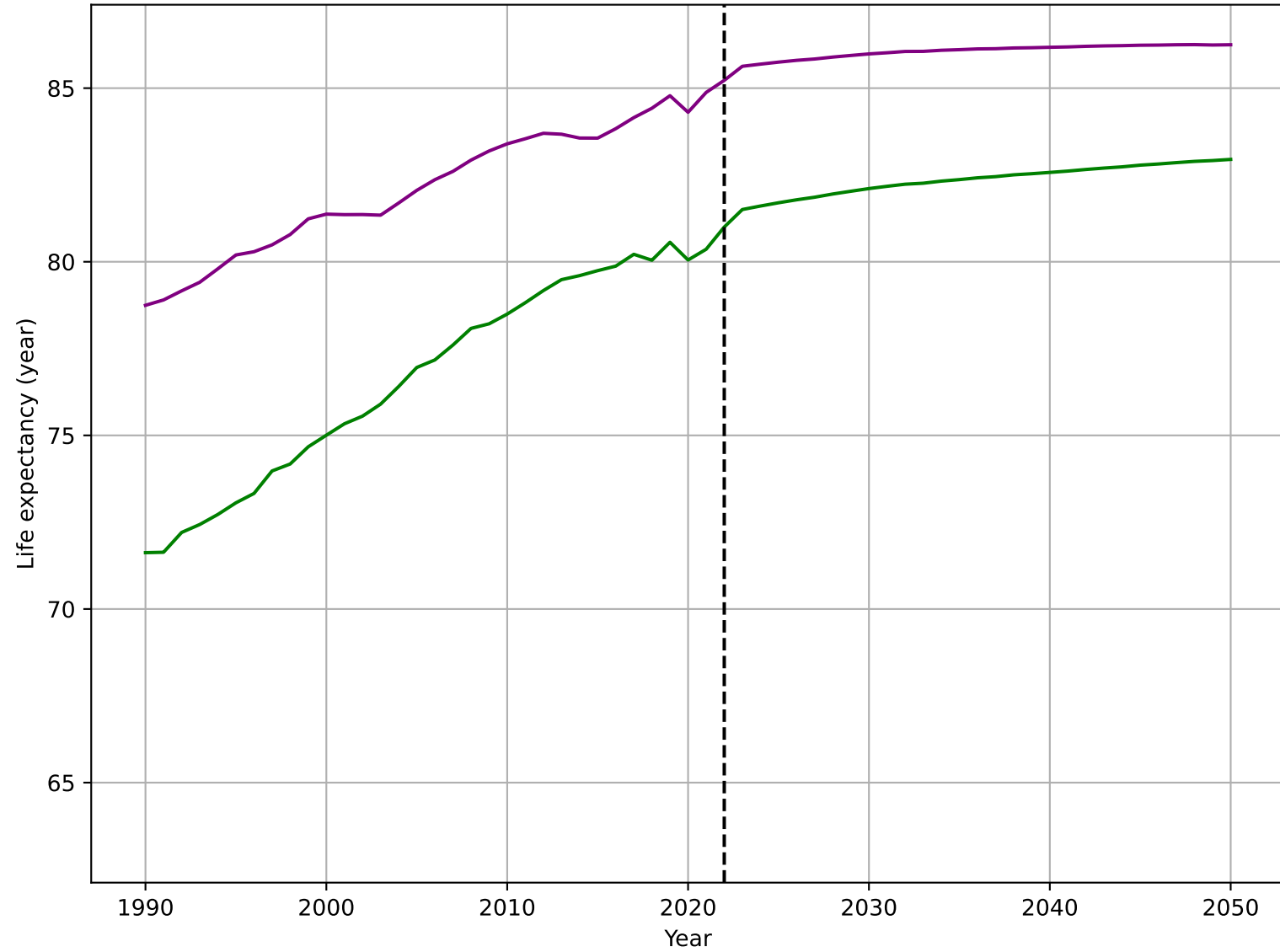


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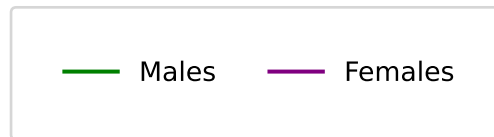
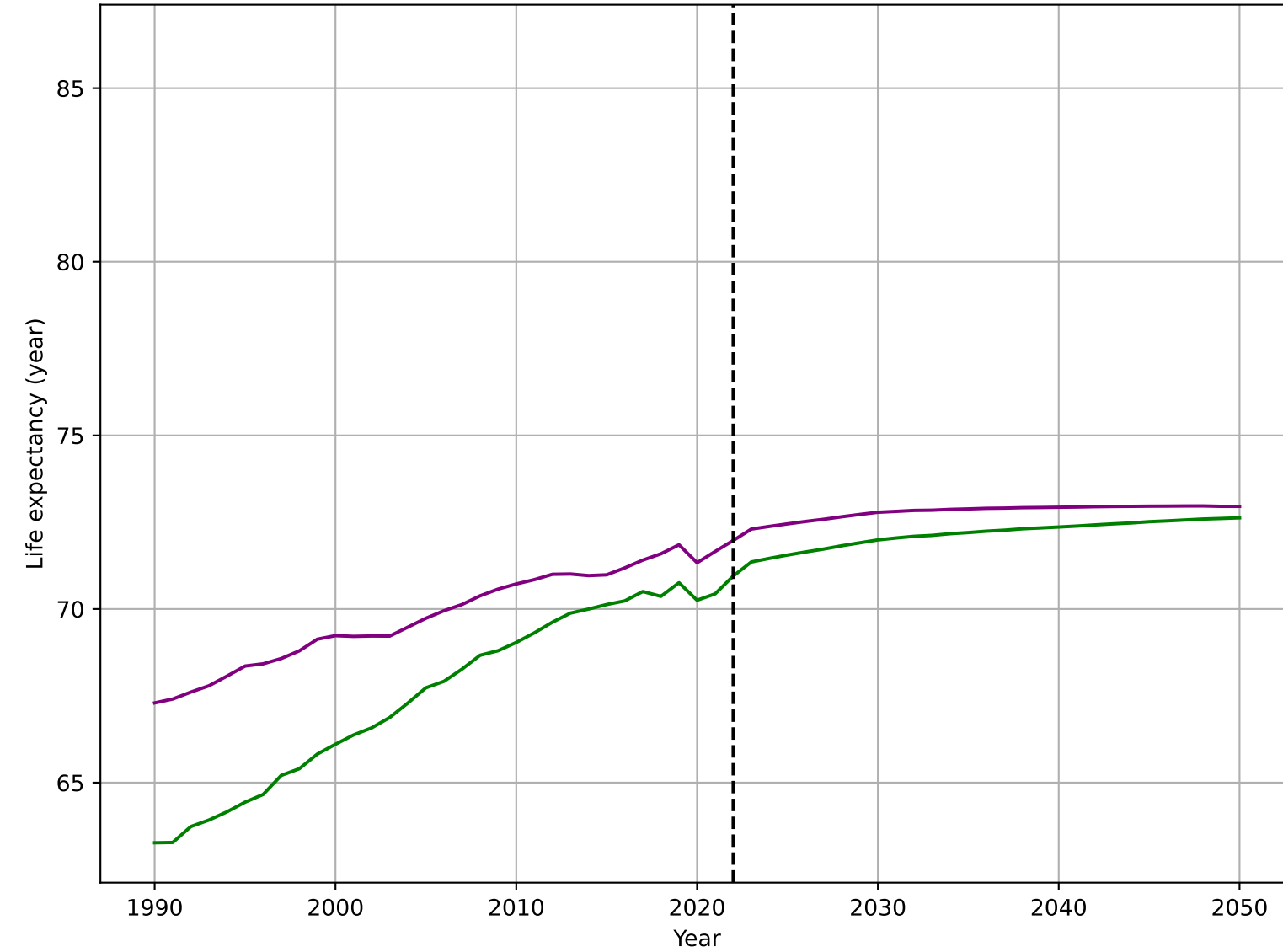


# Luxembourg

### Life Expectancy

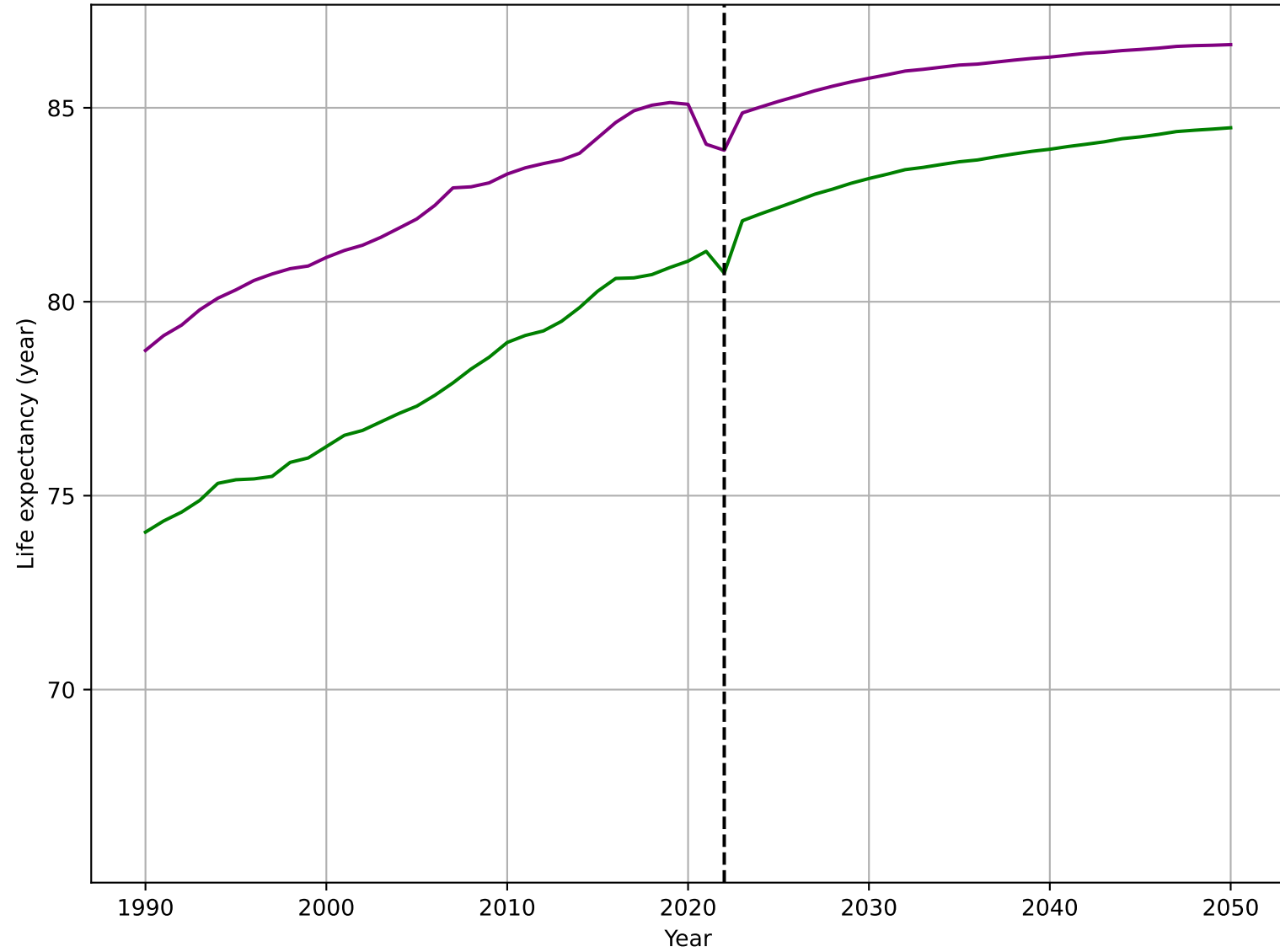


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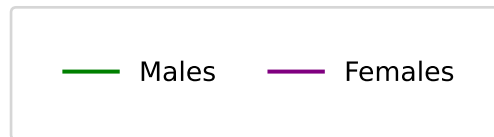
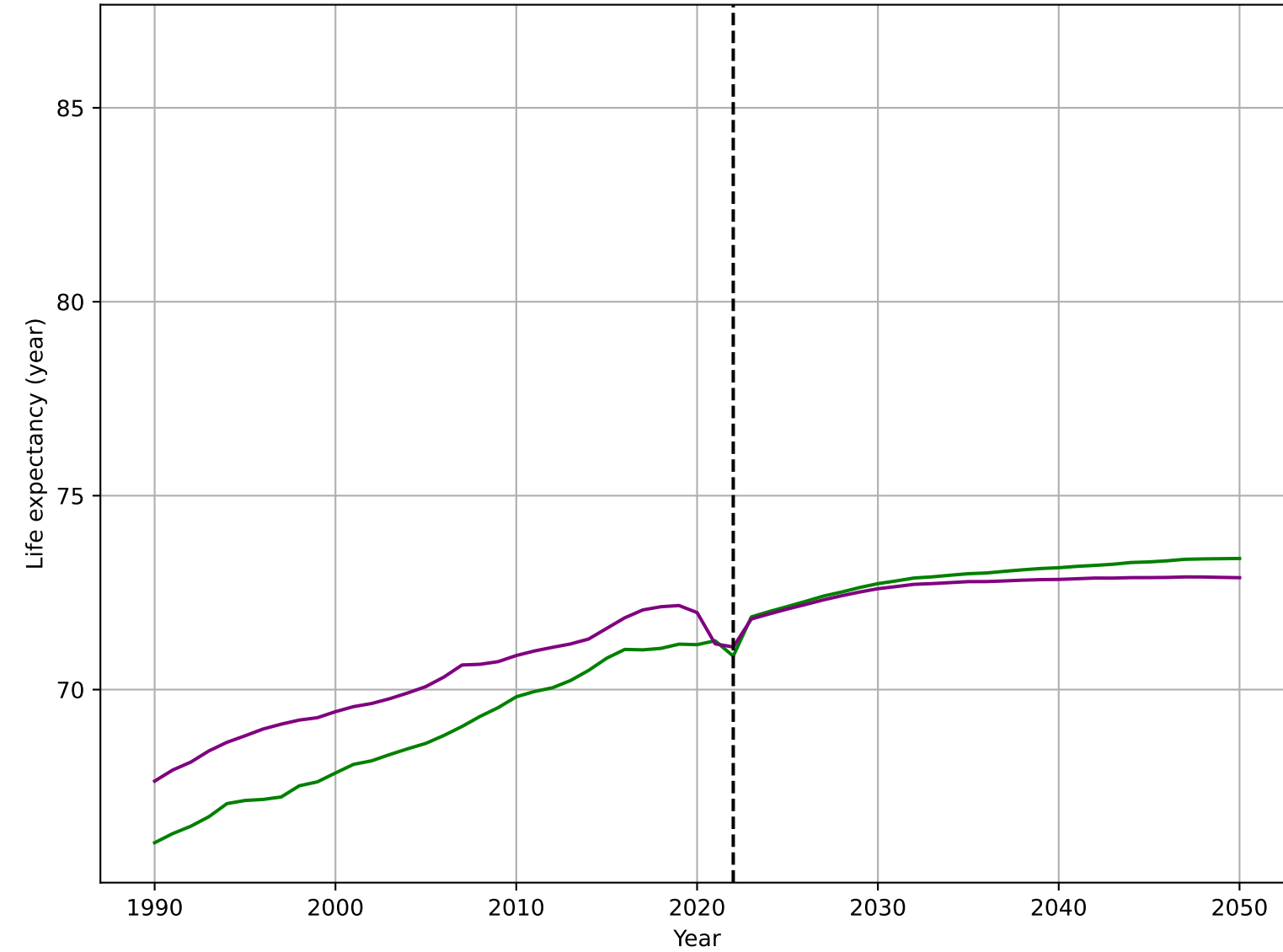


# Malta

### Life Expectancy

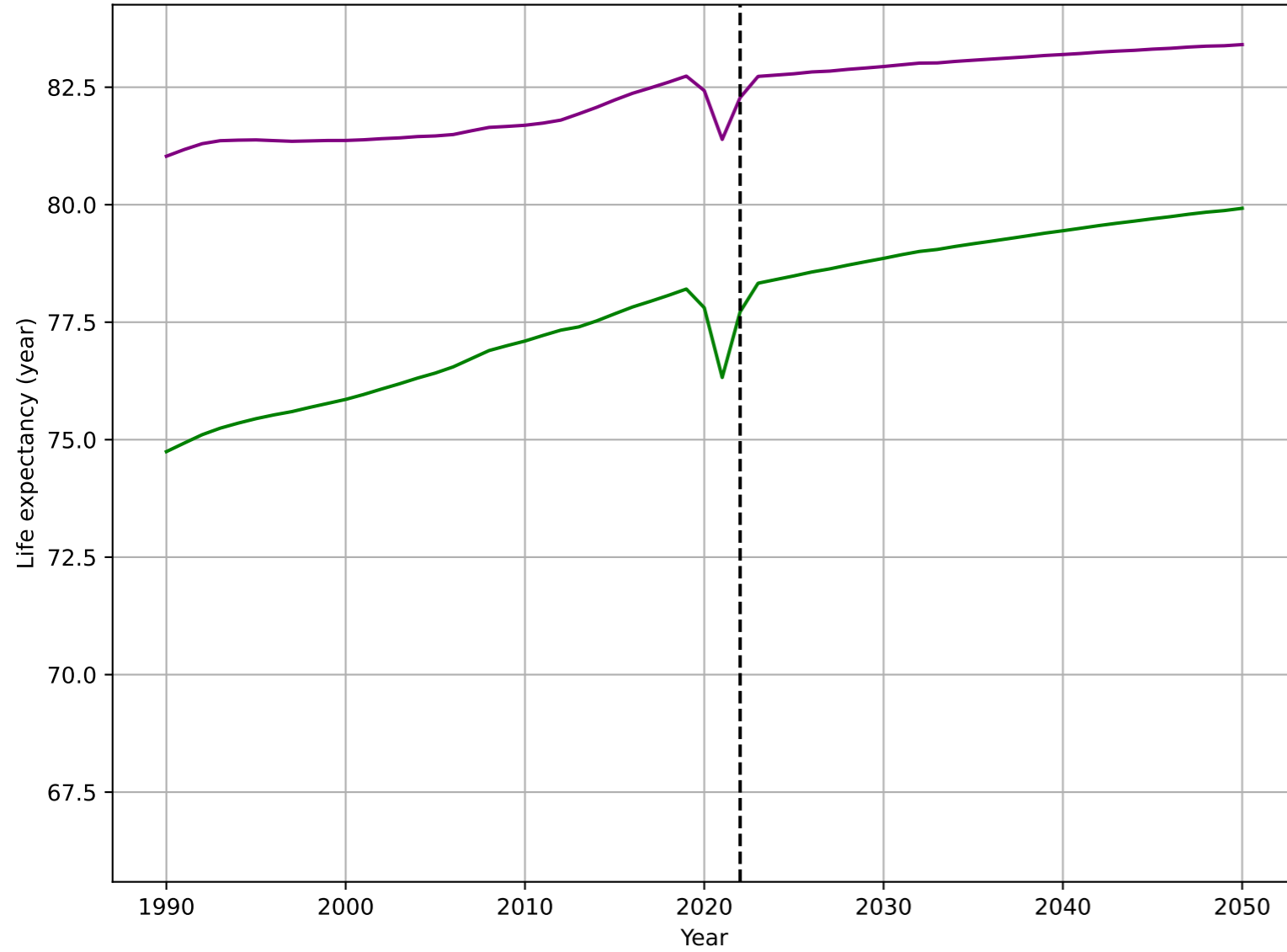


### Healthy Life Expectancy (HALE)

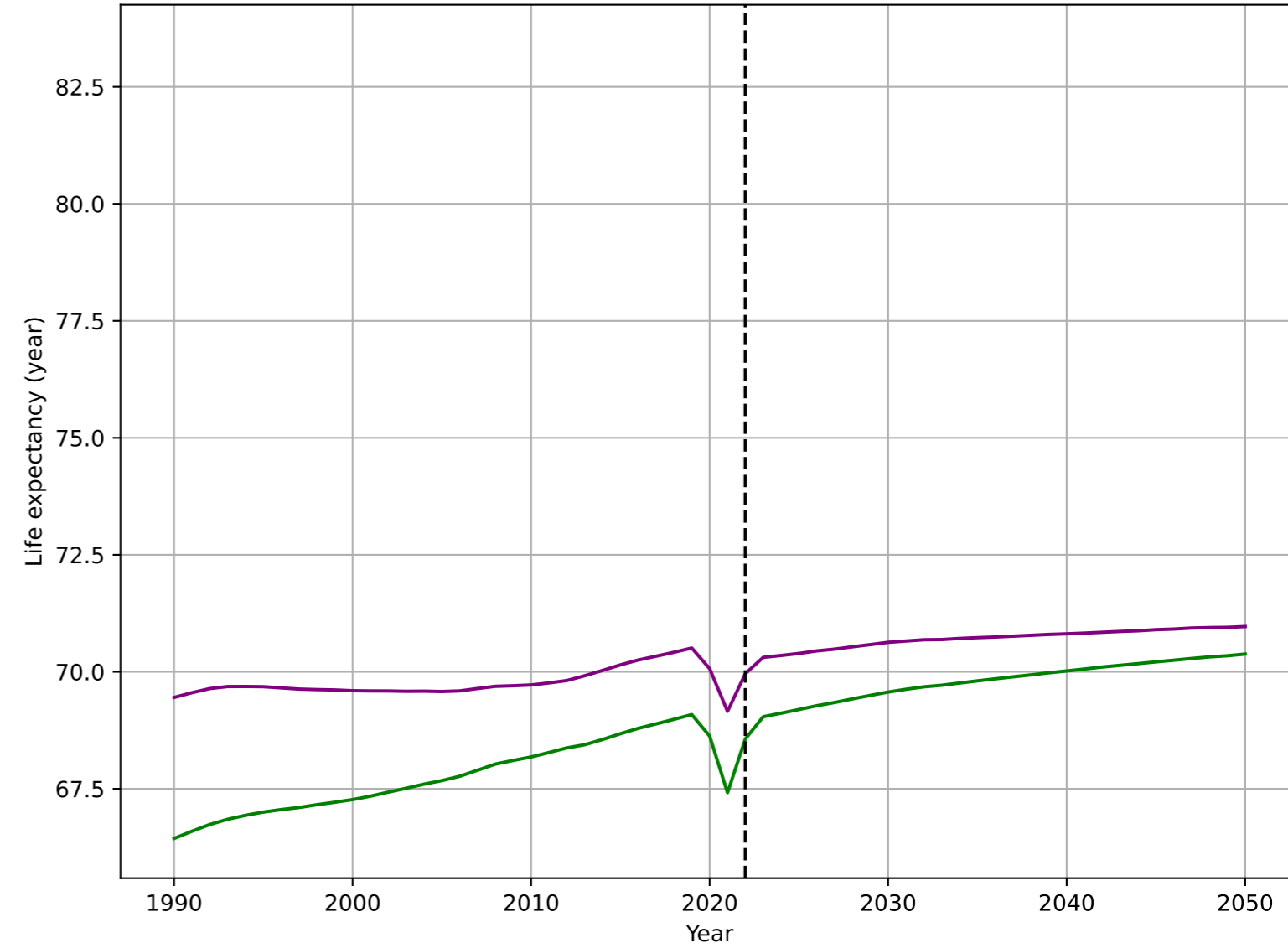


# Monaco

### Life Expectancy

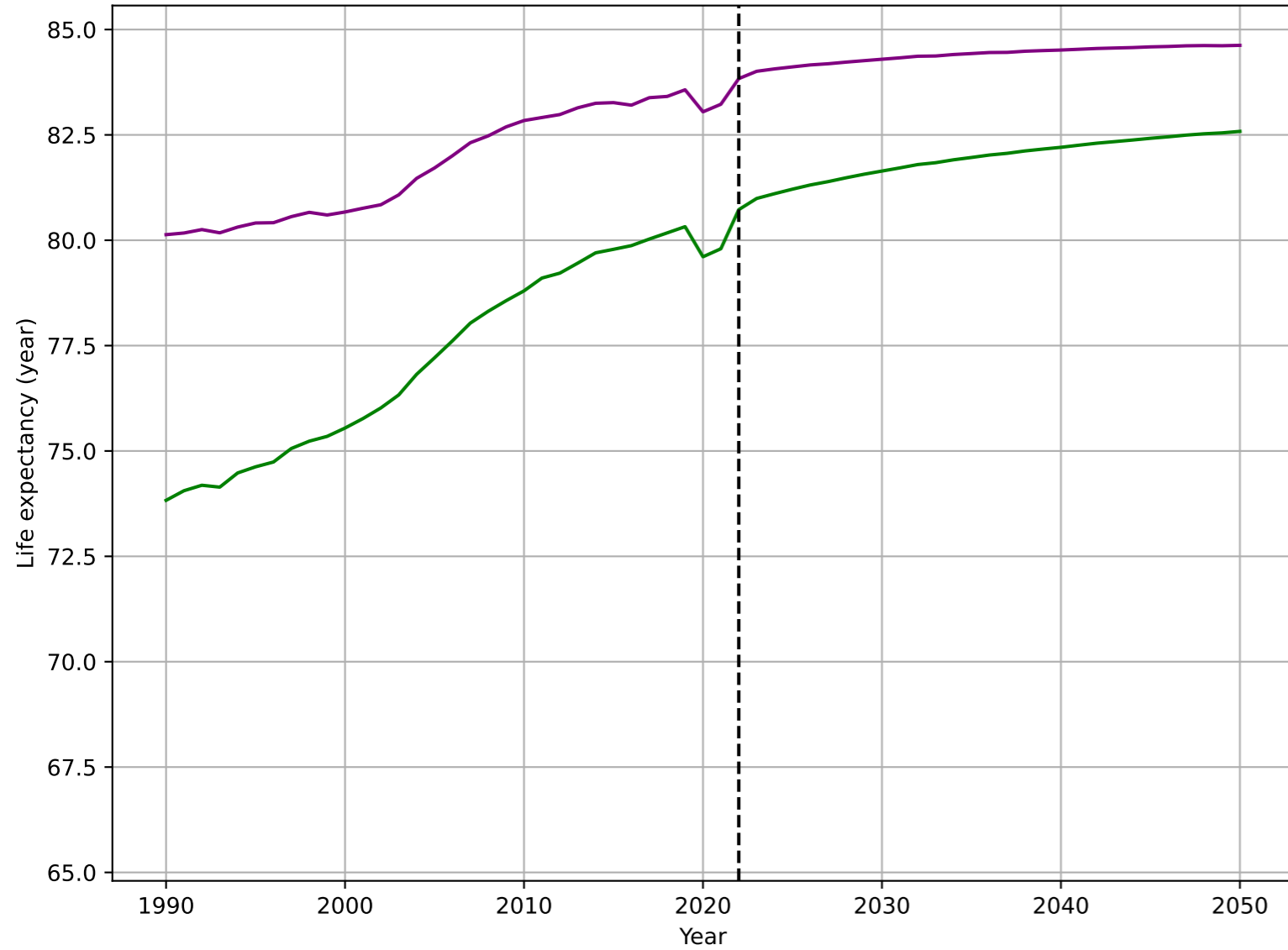


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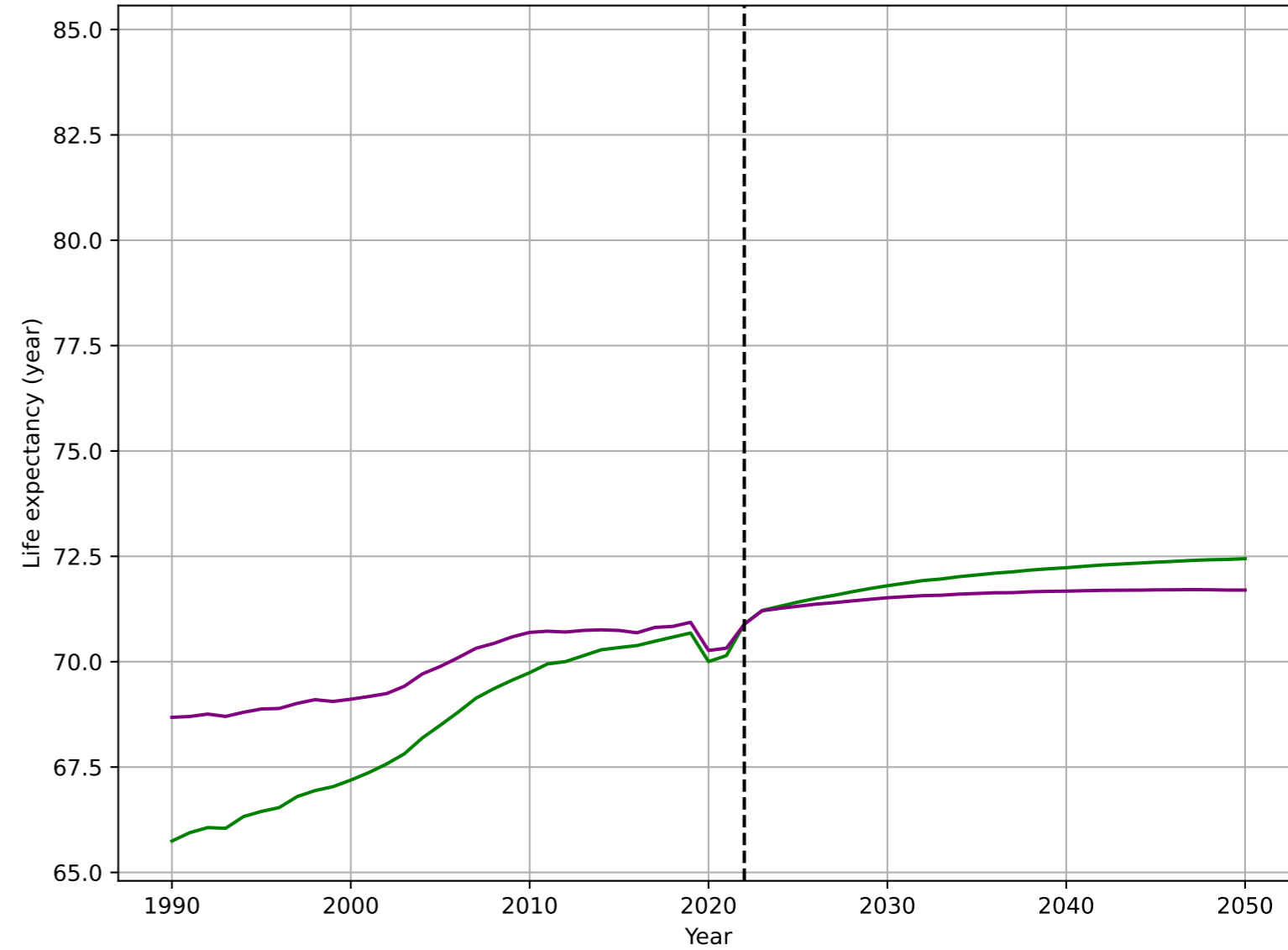


# Netherlands

### Life Expectancy

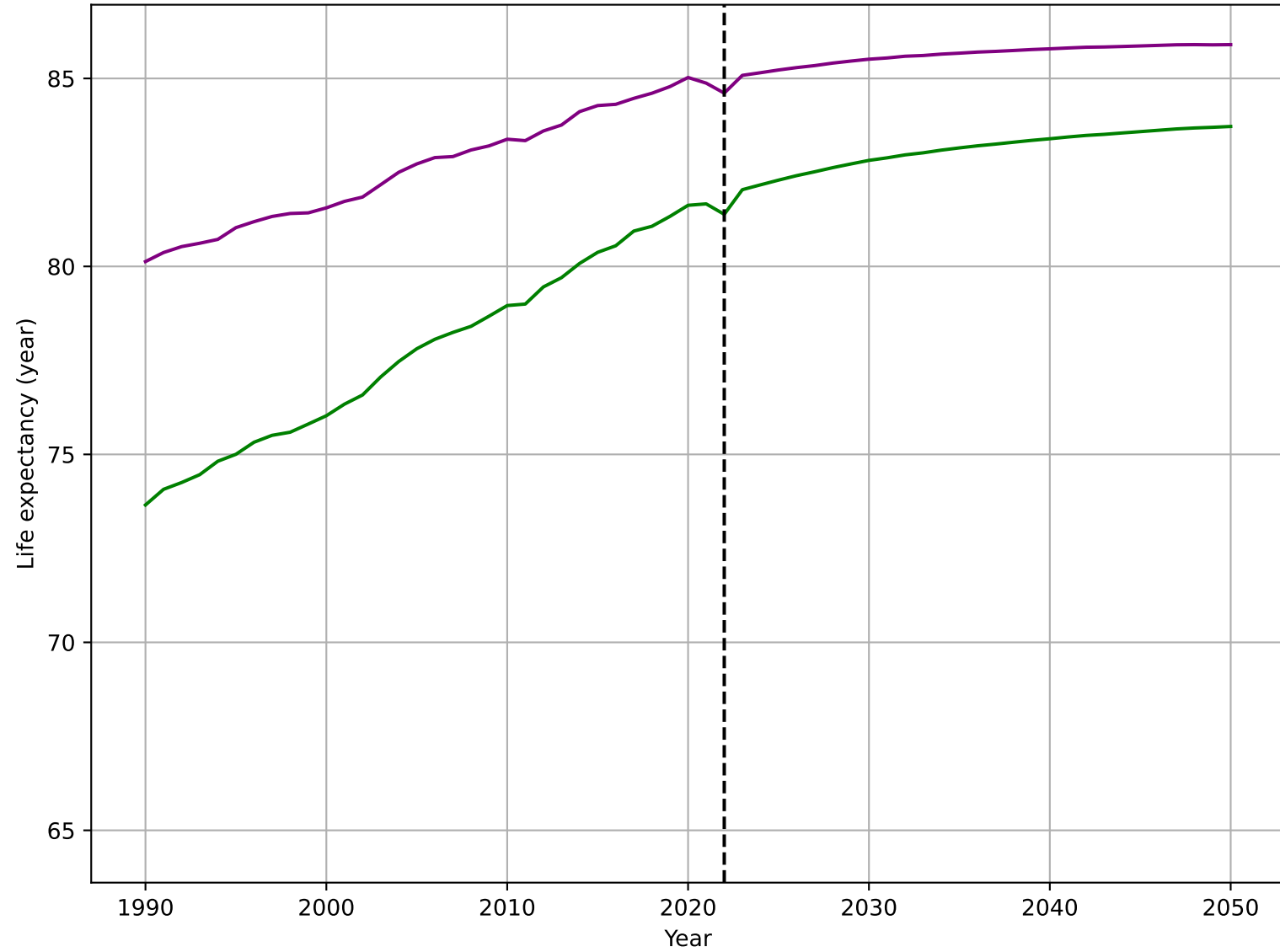


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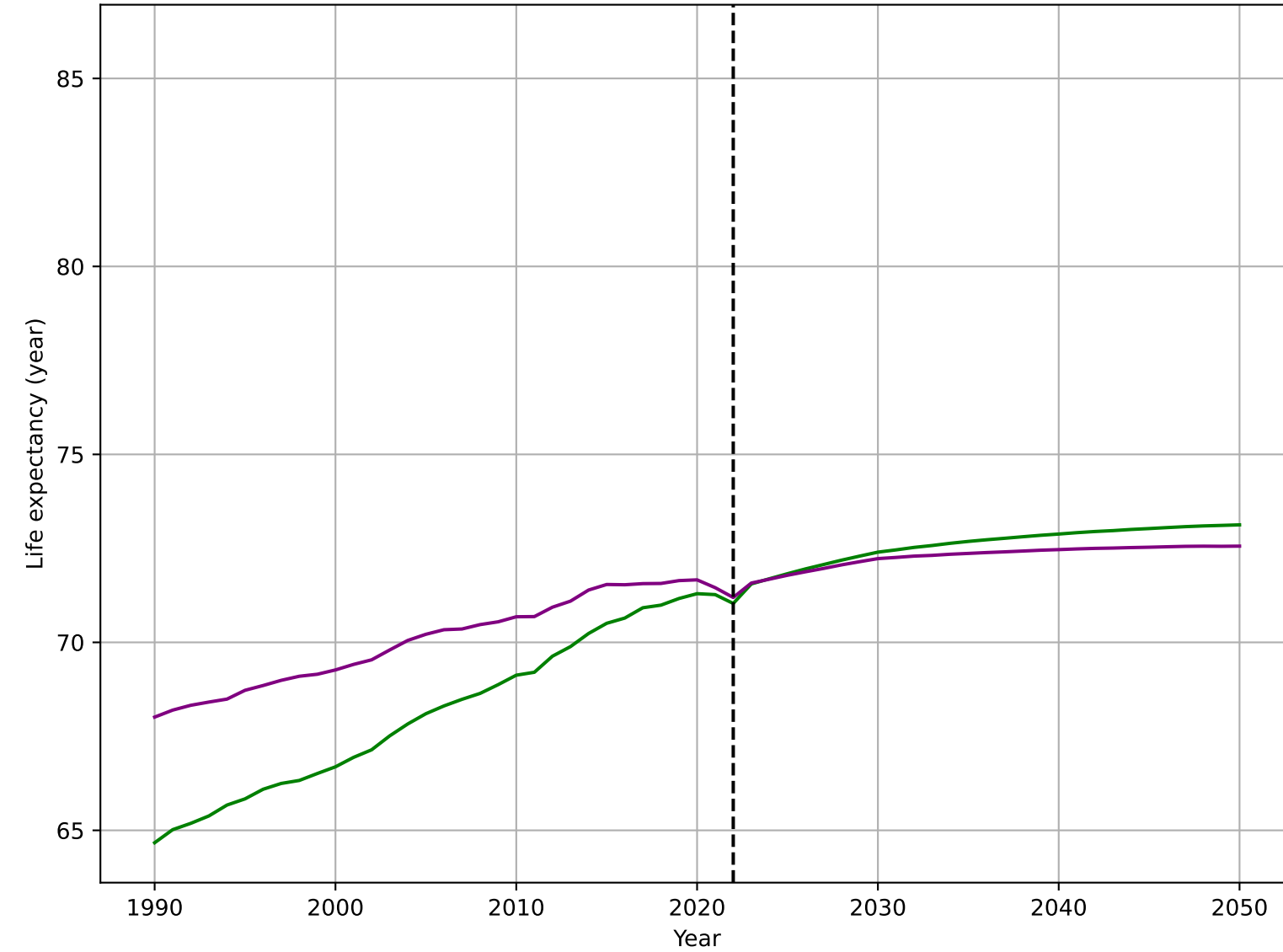


# Norway

### Life Expectancy

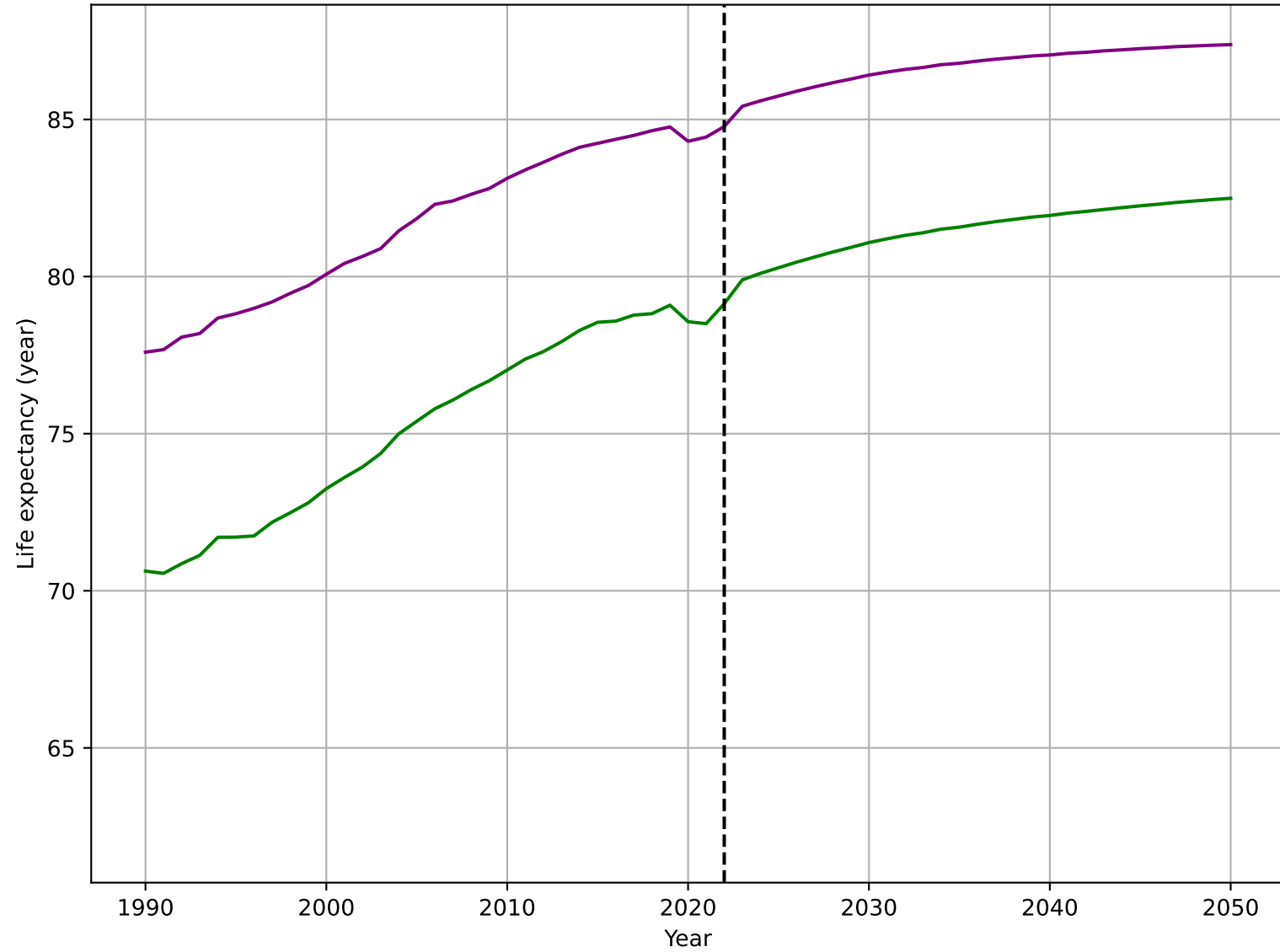


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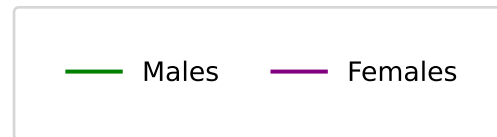
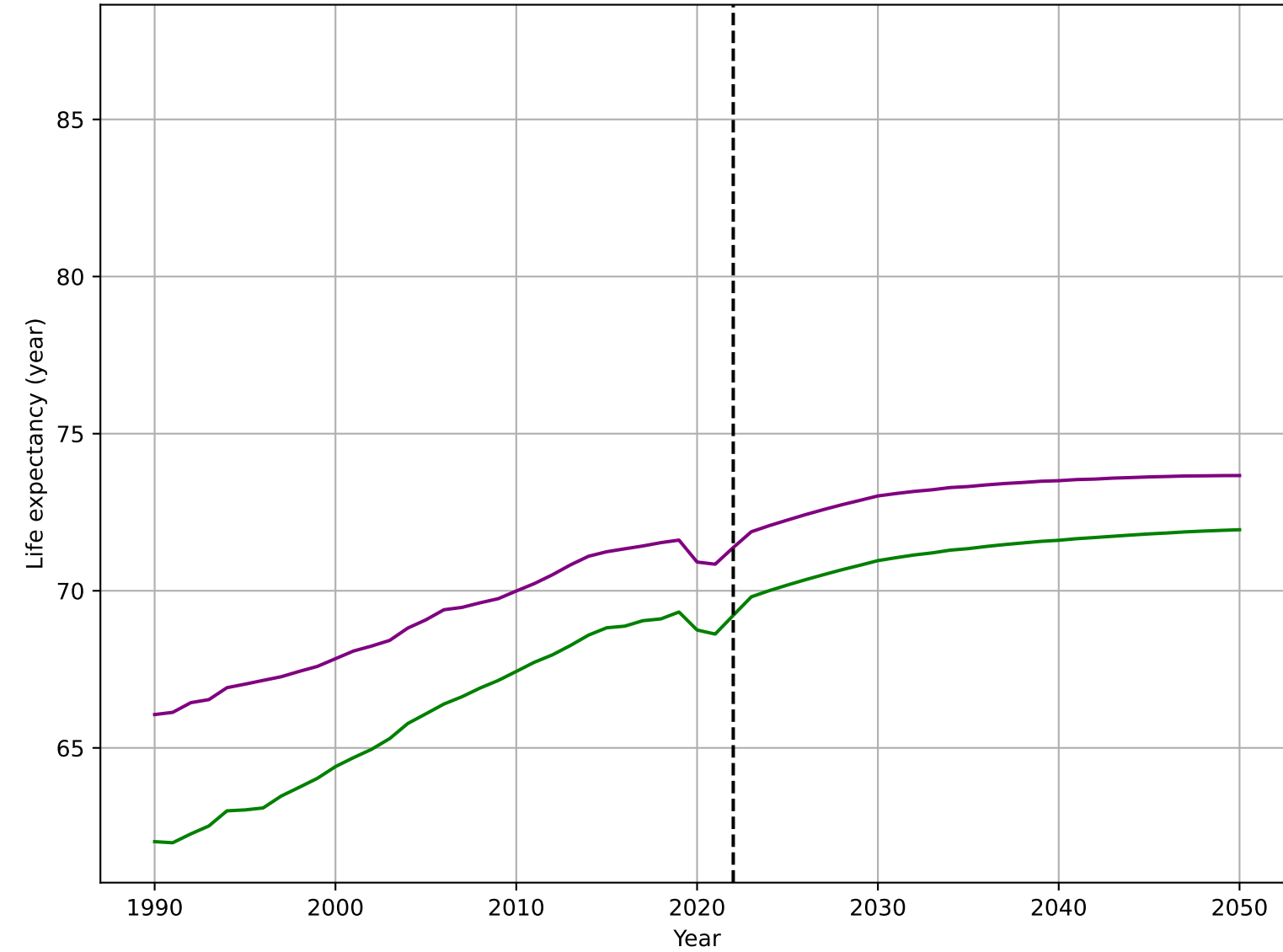


# Portugal

### Life Expectancy



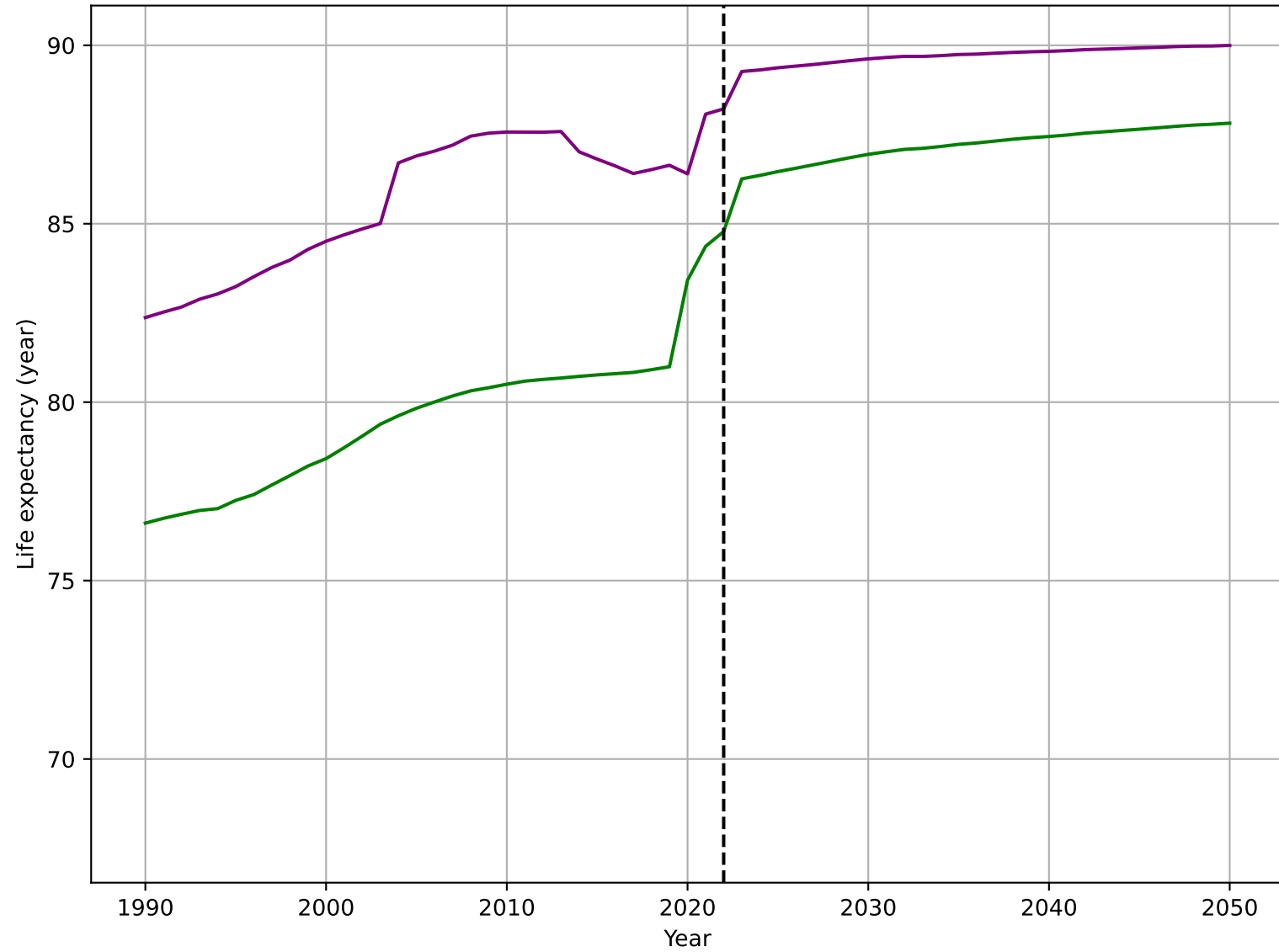
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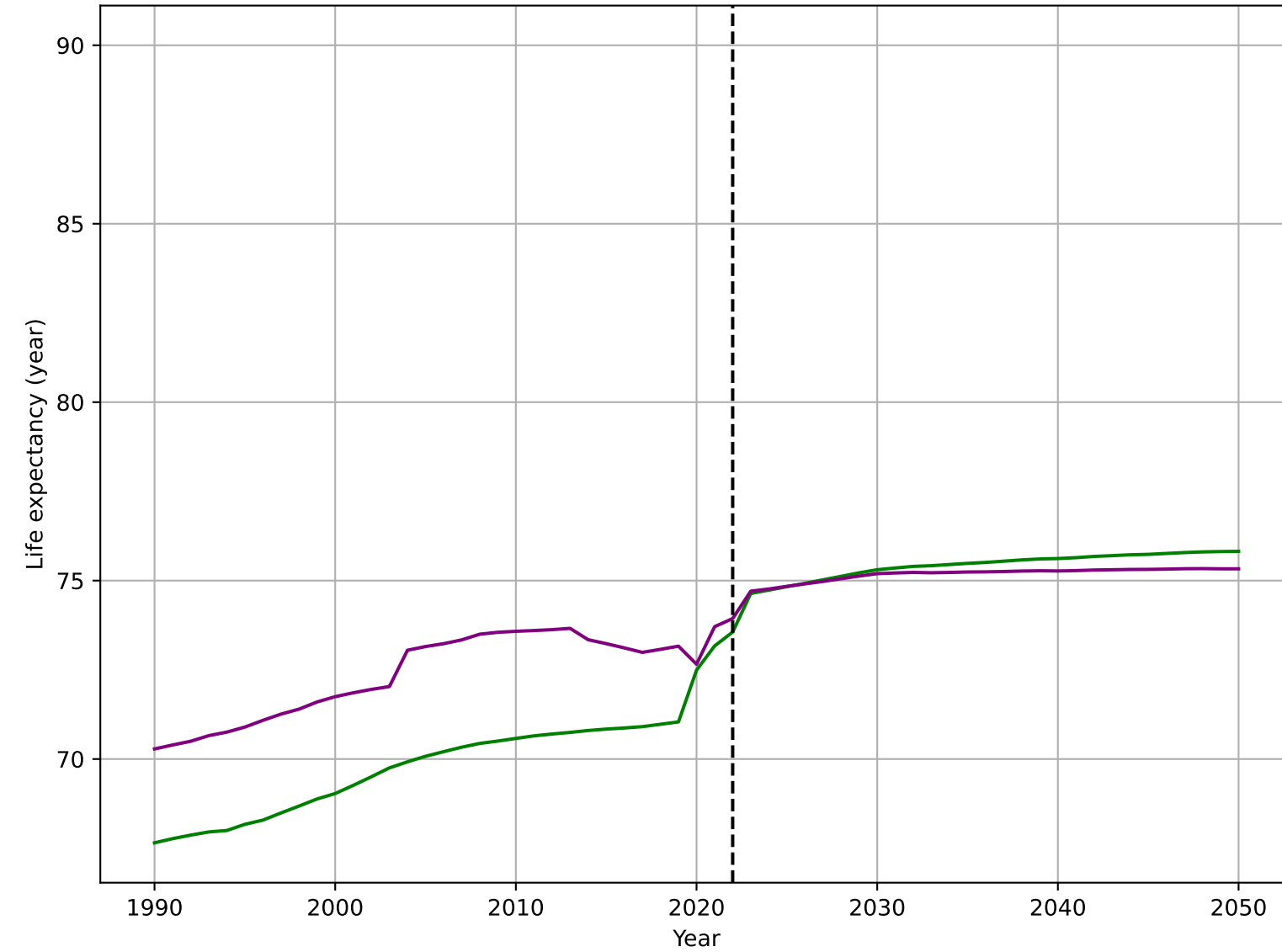


# San Marino

### Life Expectancy

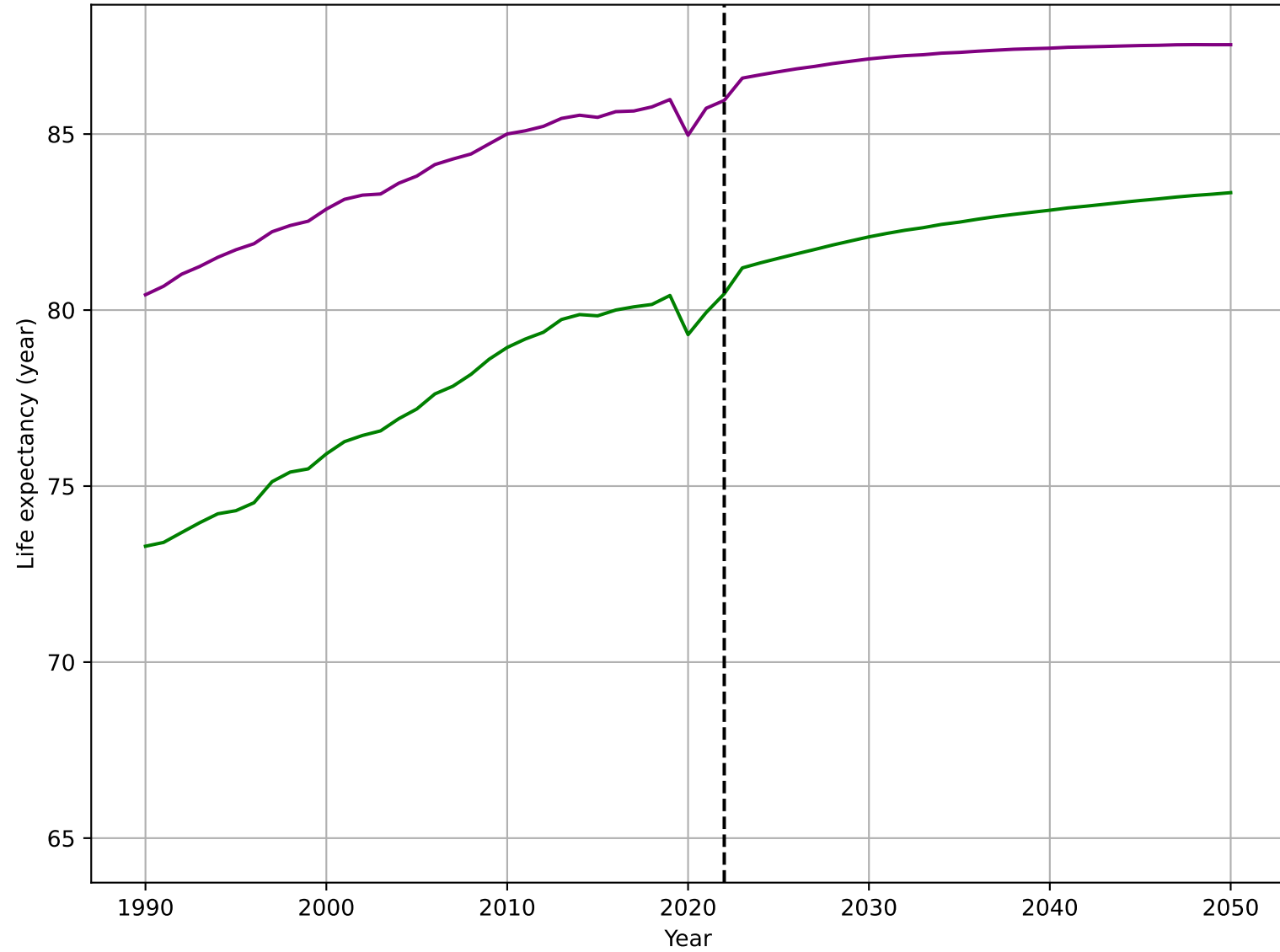


### Healthy Life Expectancy (HALE)

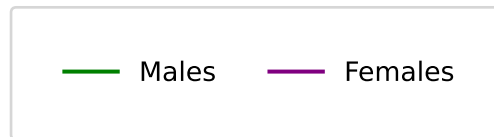
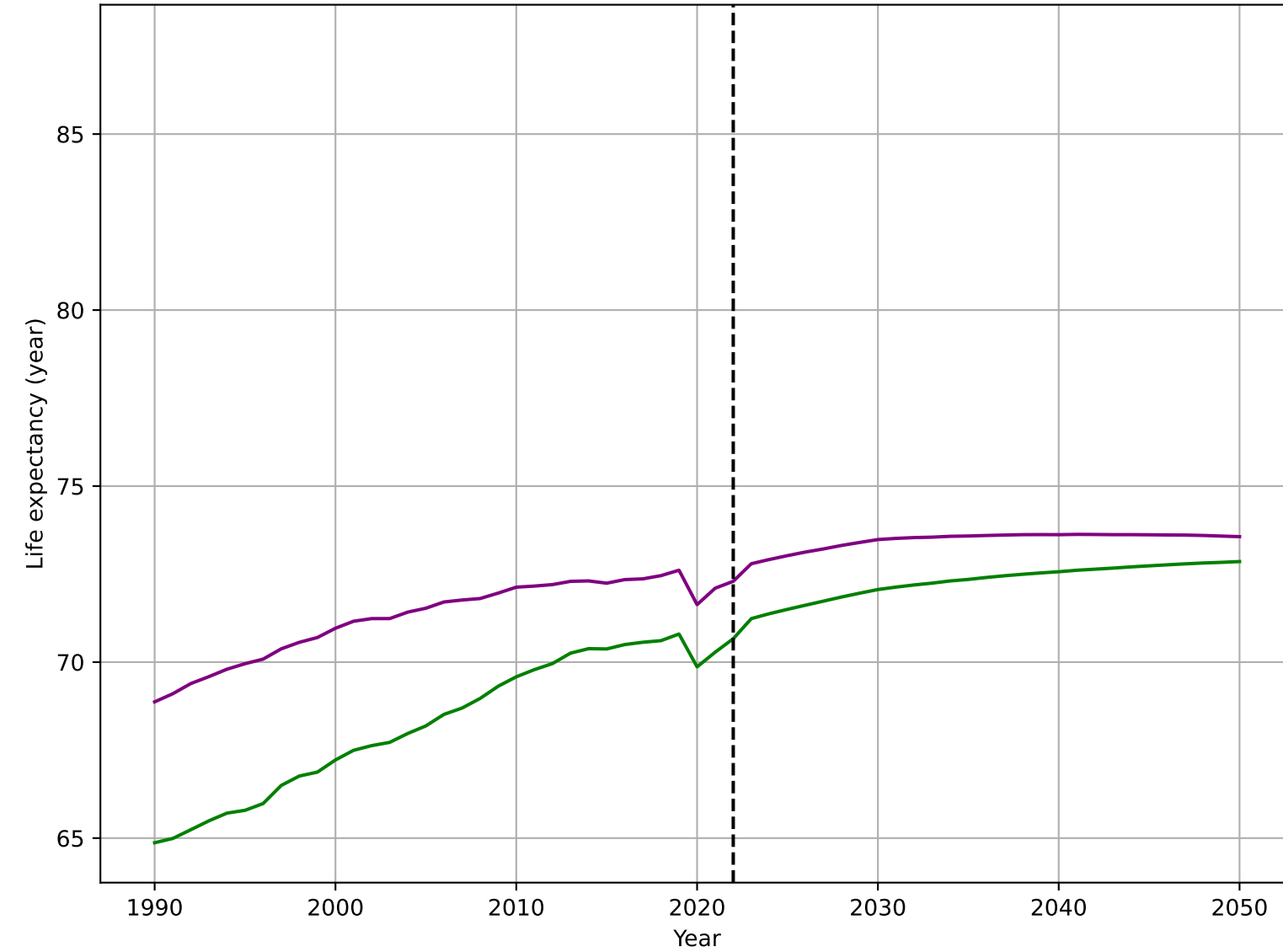


# Spain

### Life Expectancy

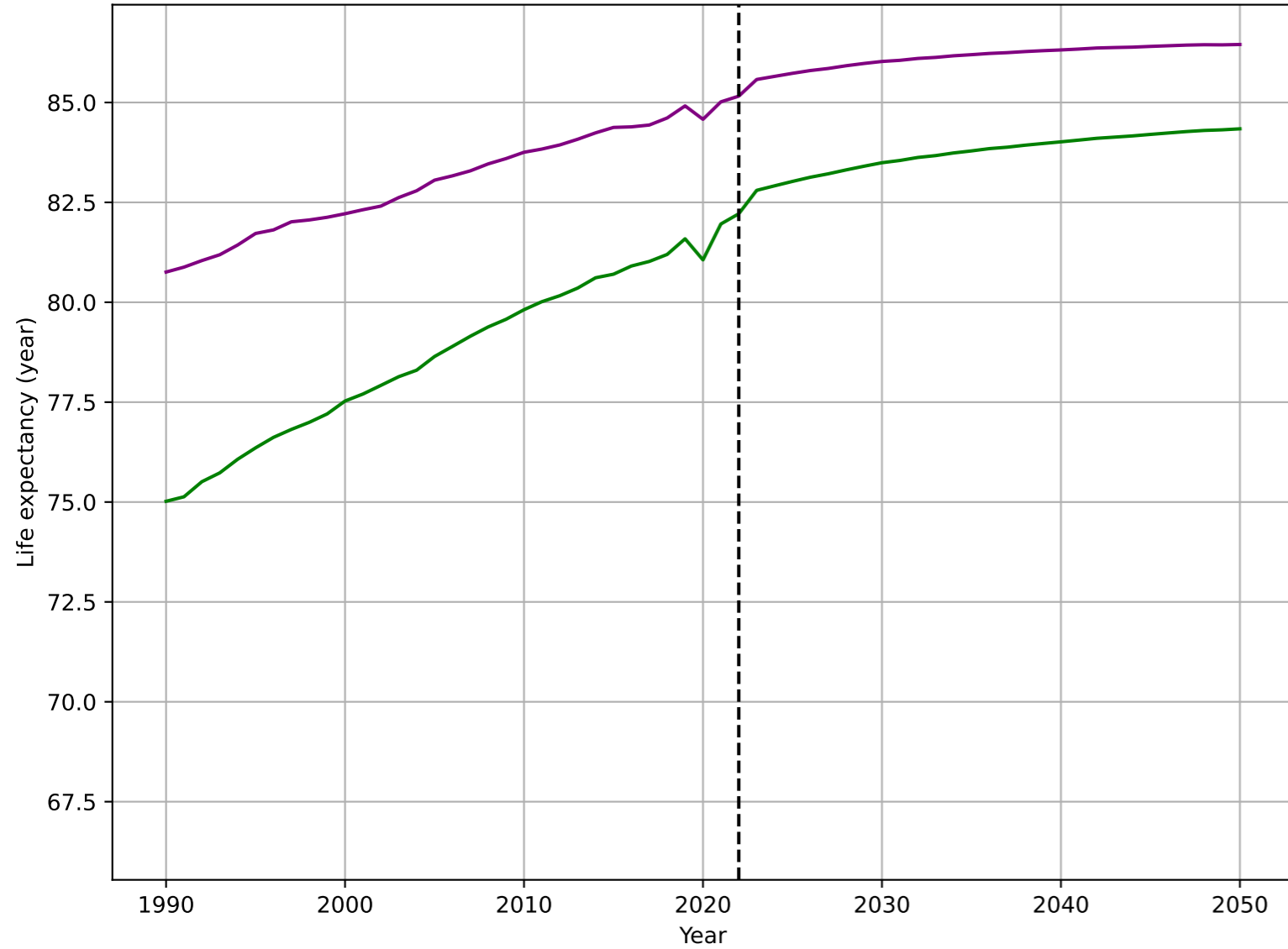


### Healthy Life Expectancy (HALE)

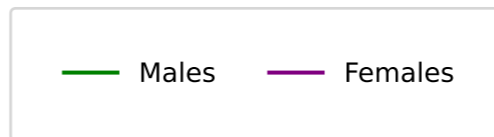
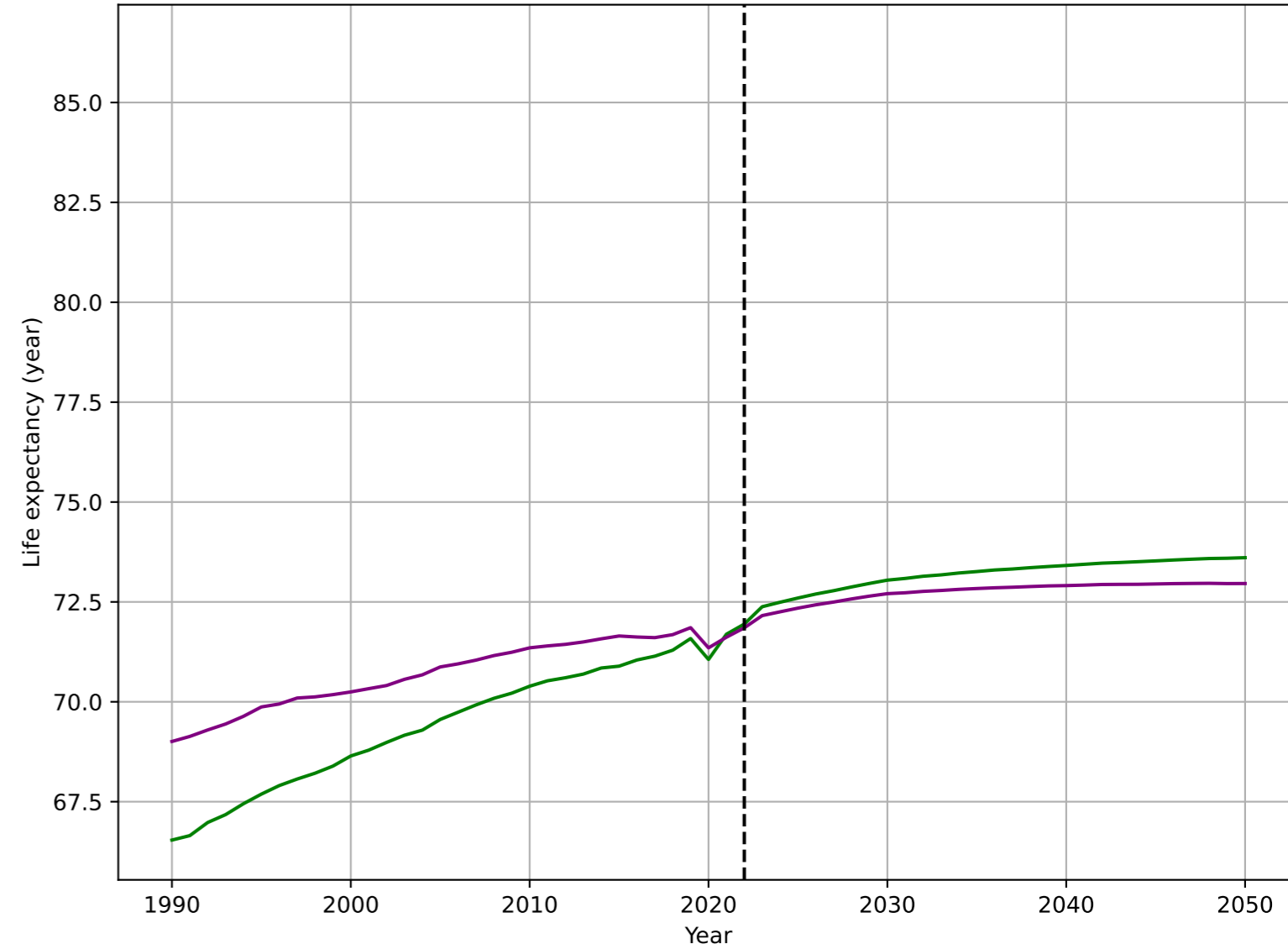


# Sweden

### Life Expectancy

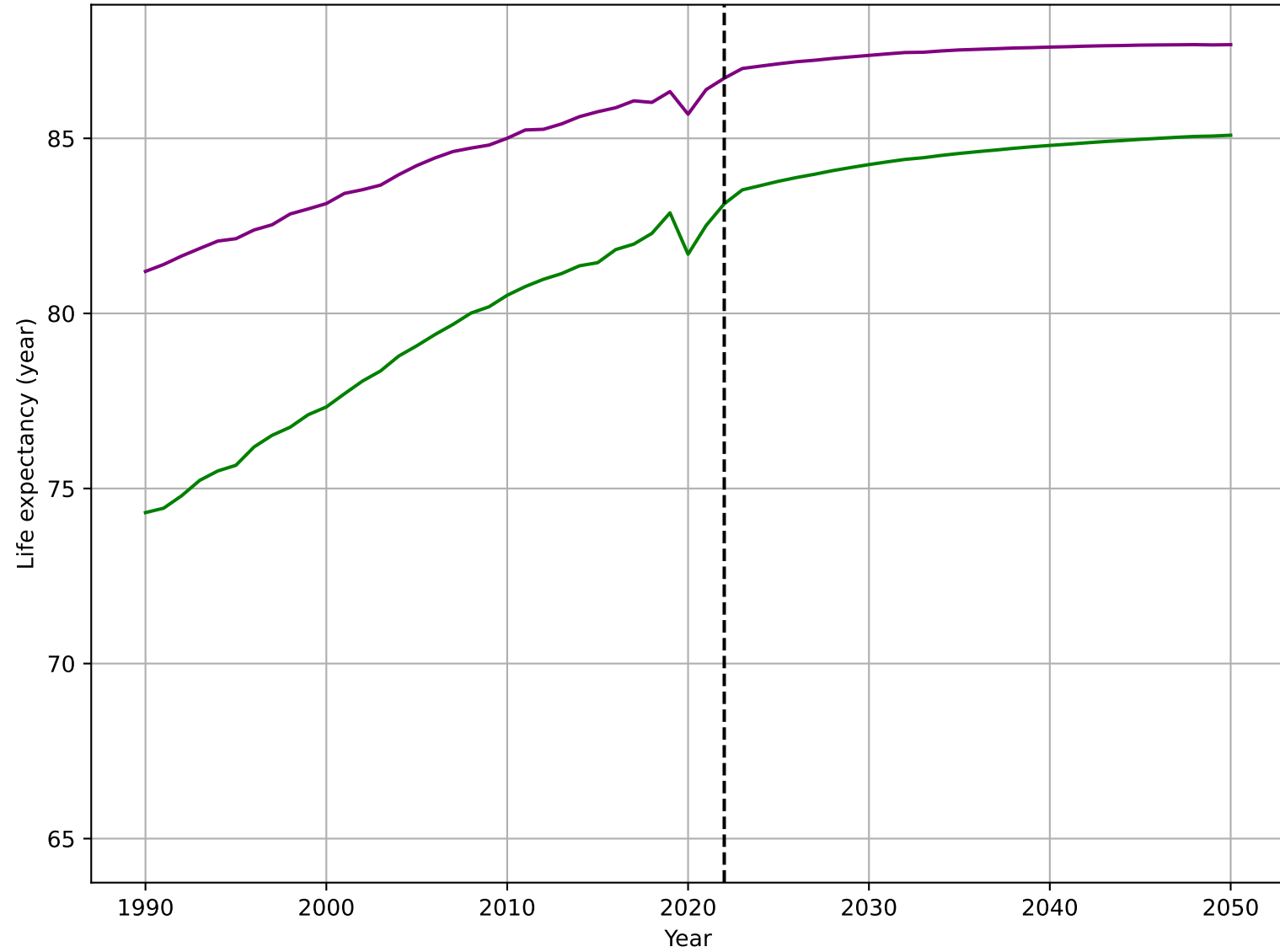


### Healthy Life Expectancy (HALE)

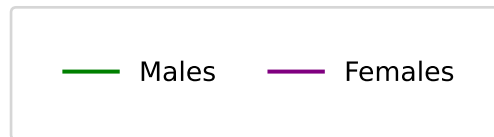
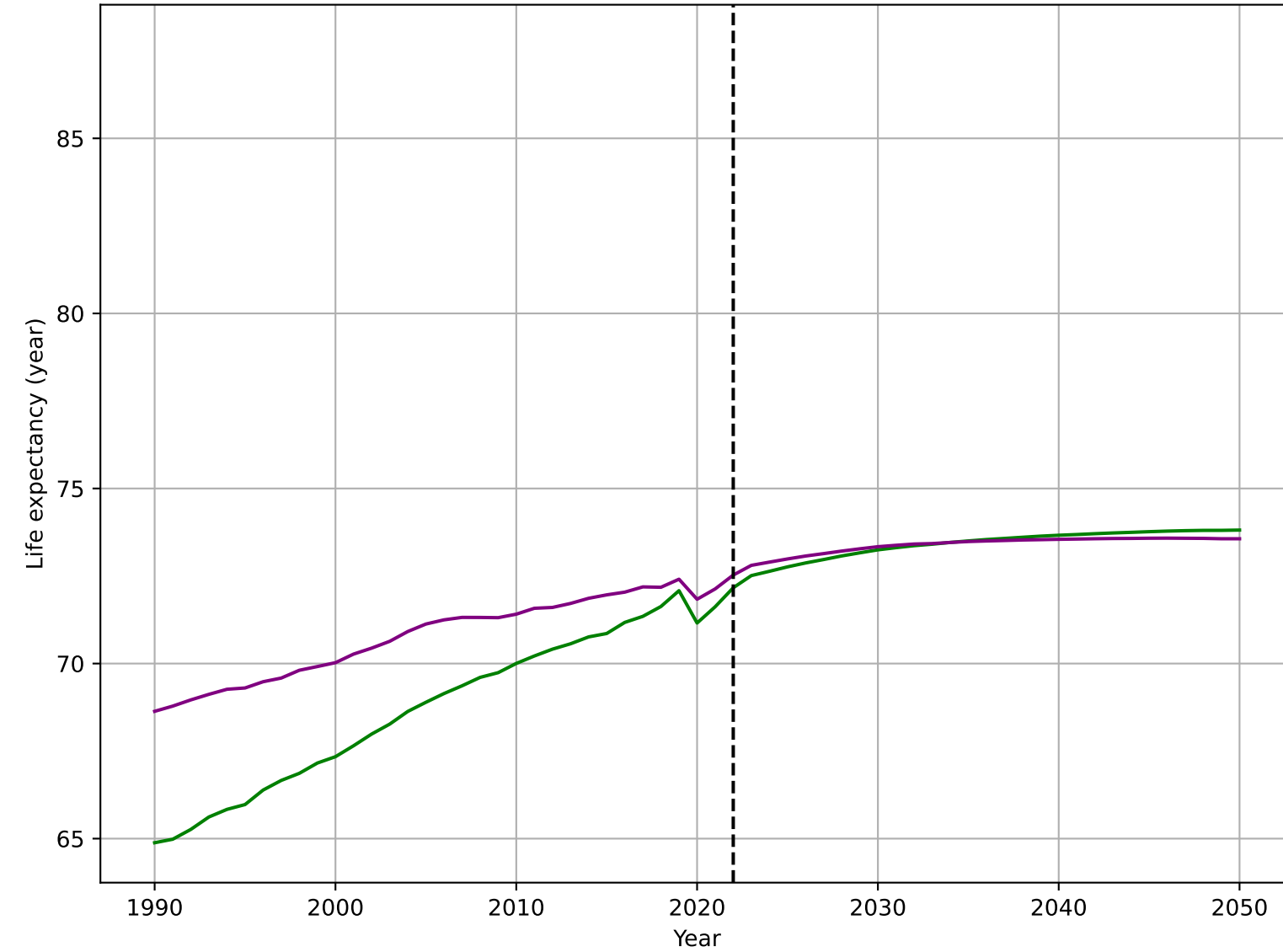


# Switzerland

### Life Expectancy

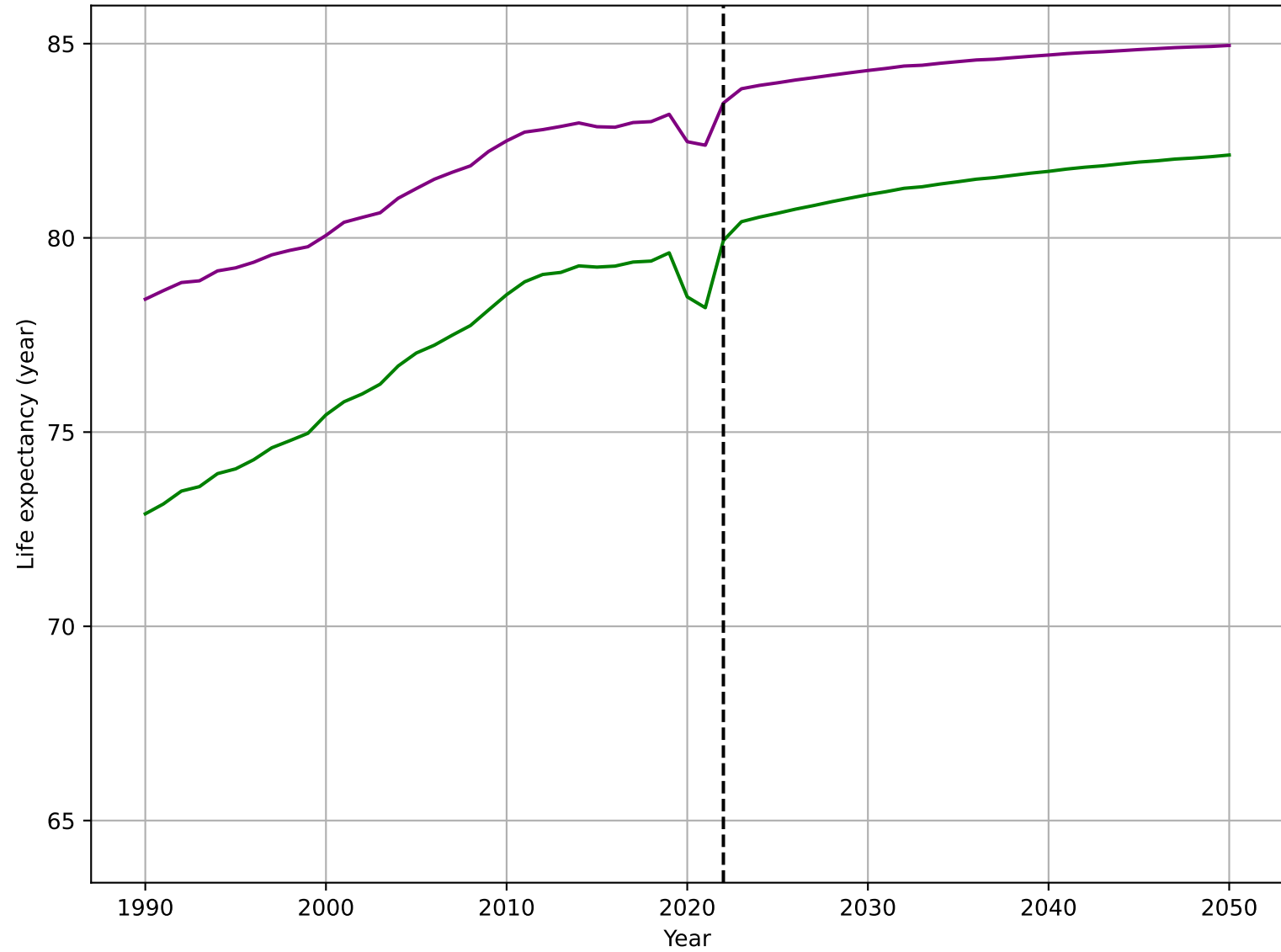


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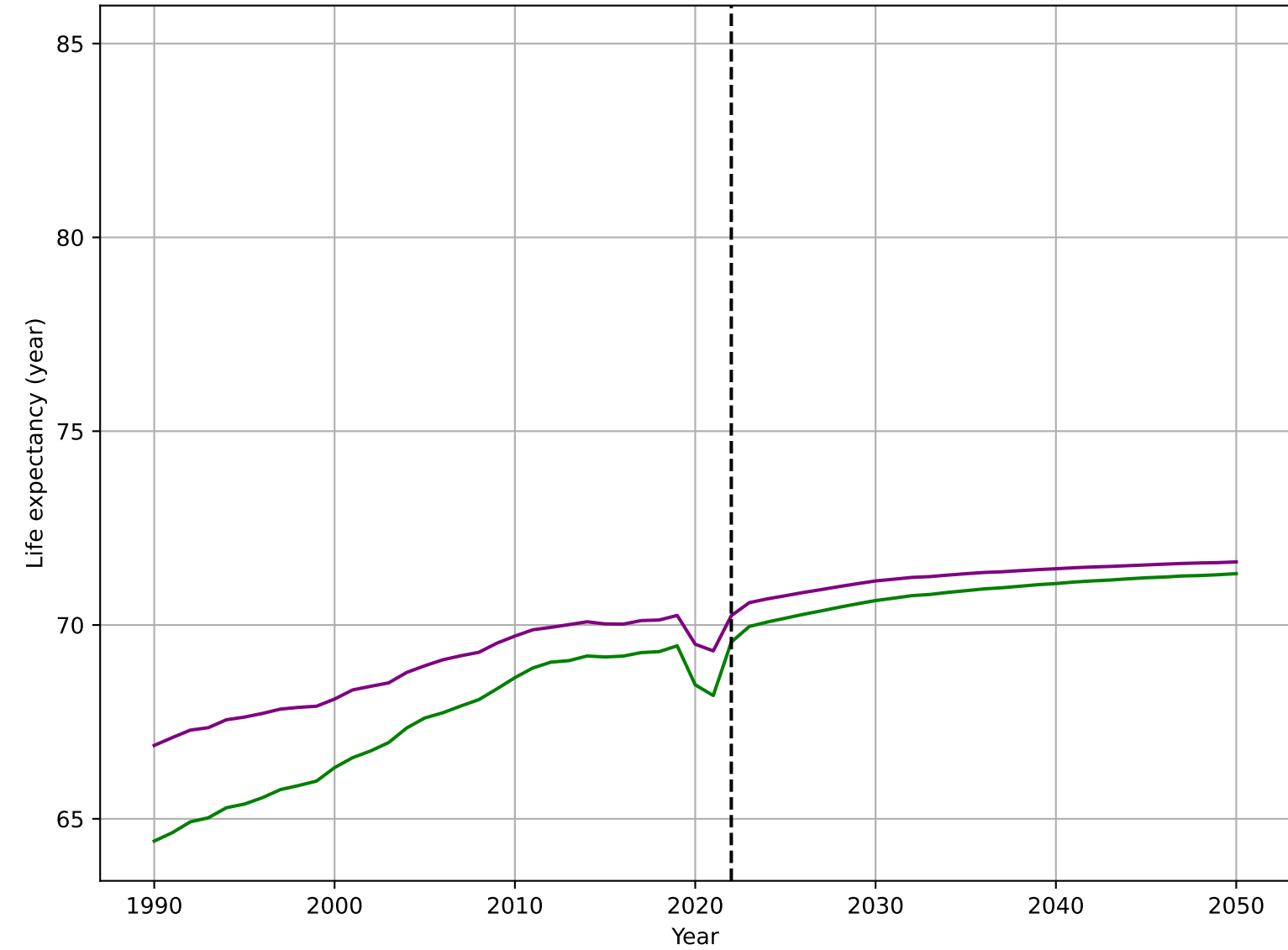


# UK

### Life Expectancy

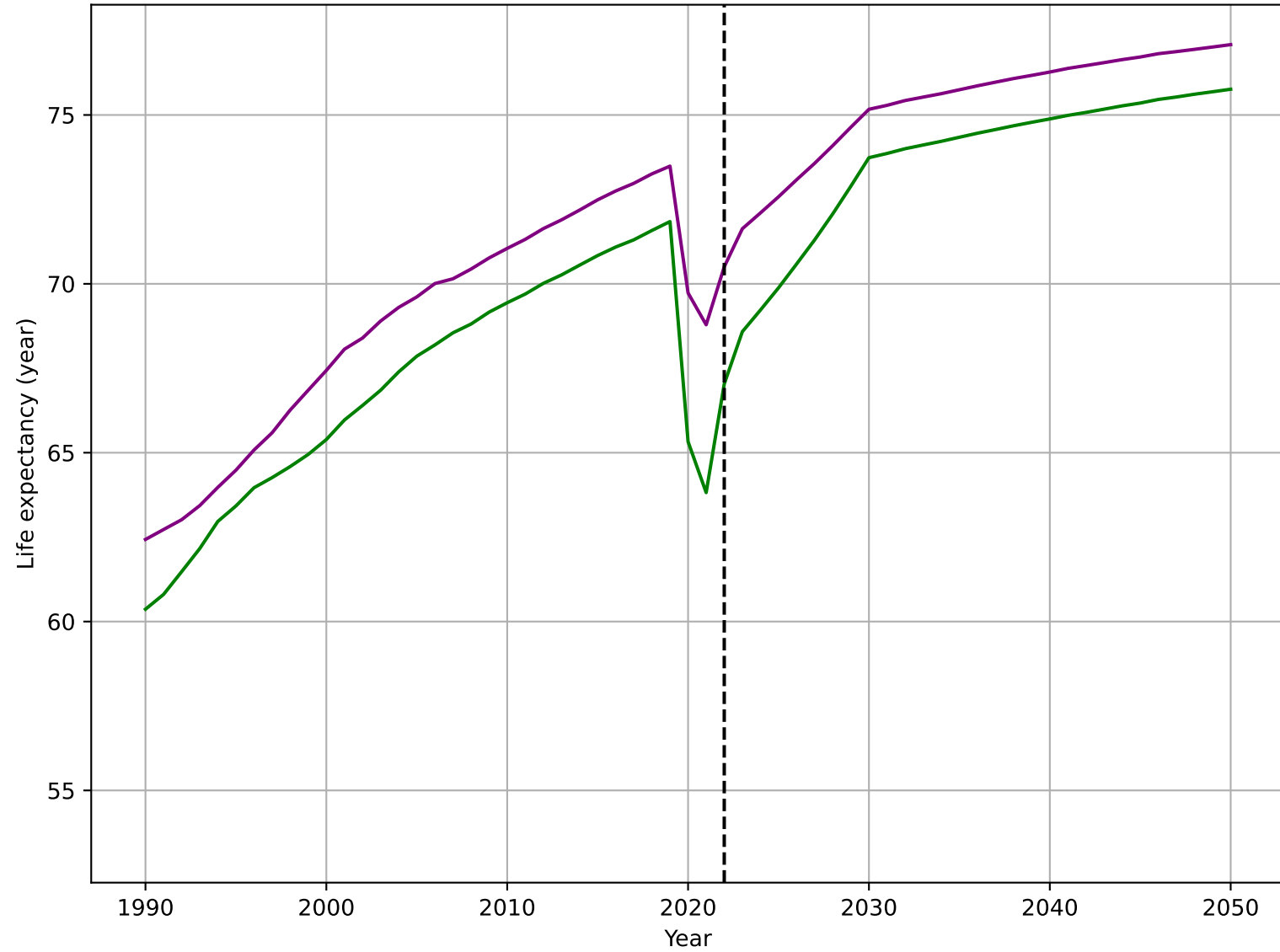


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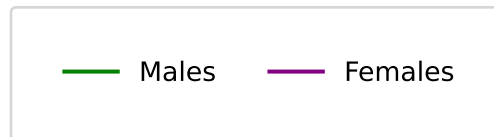
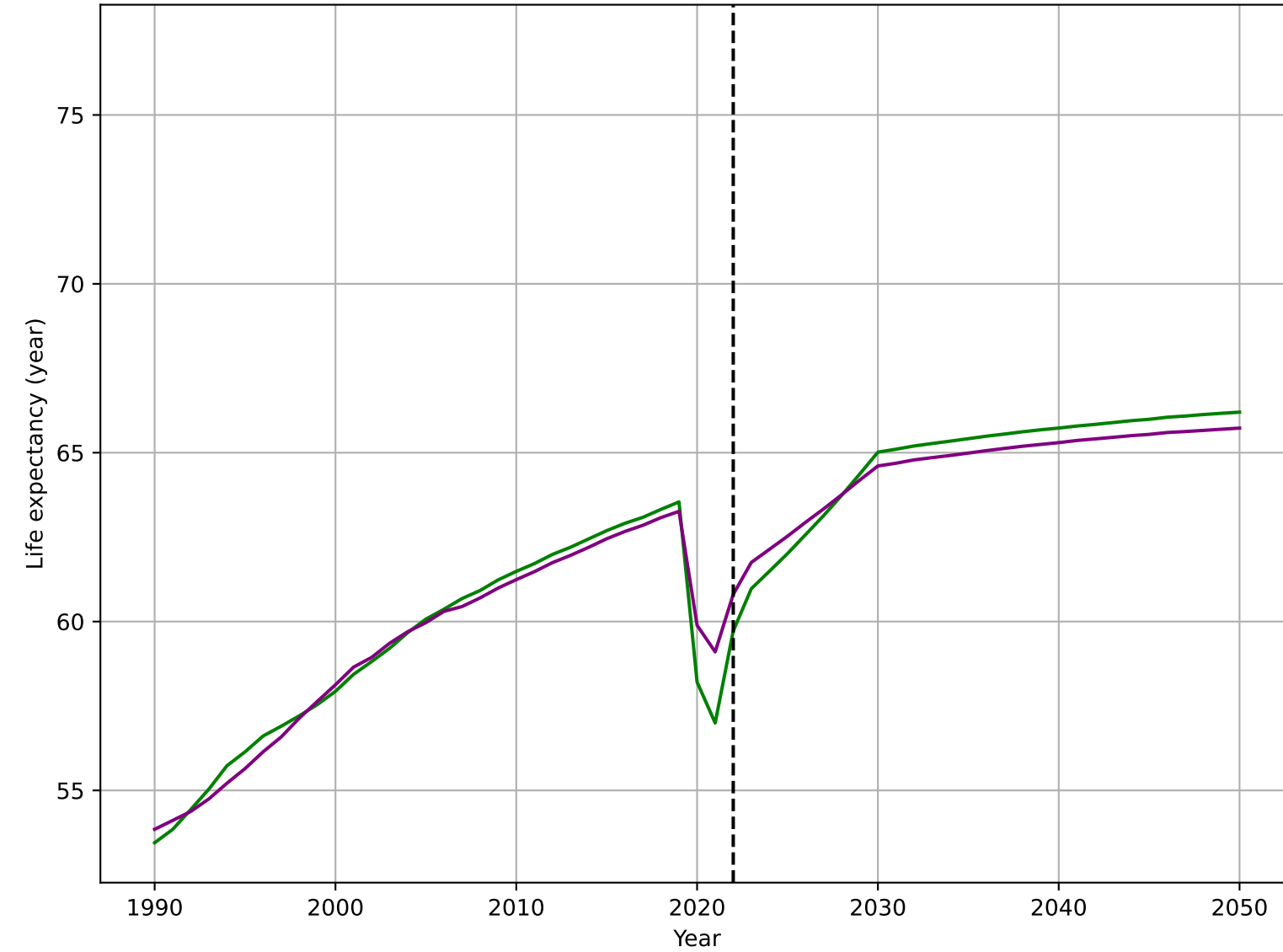


# Bolivia

### Life Expectancy

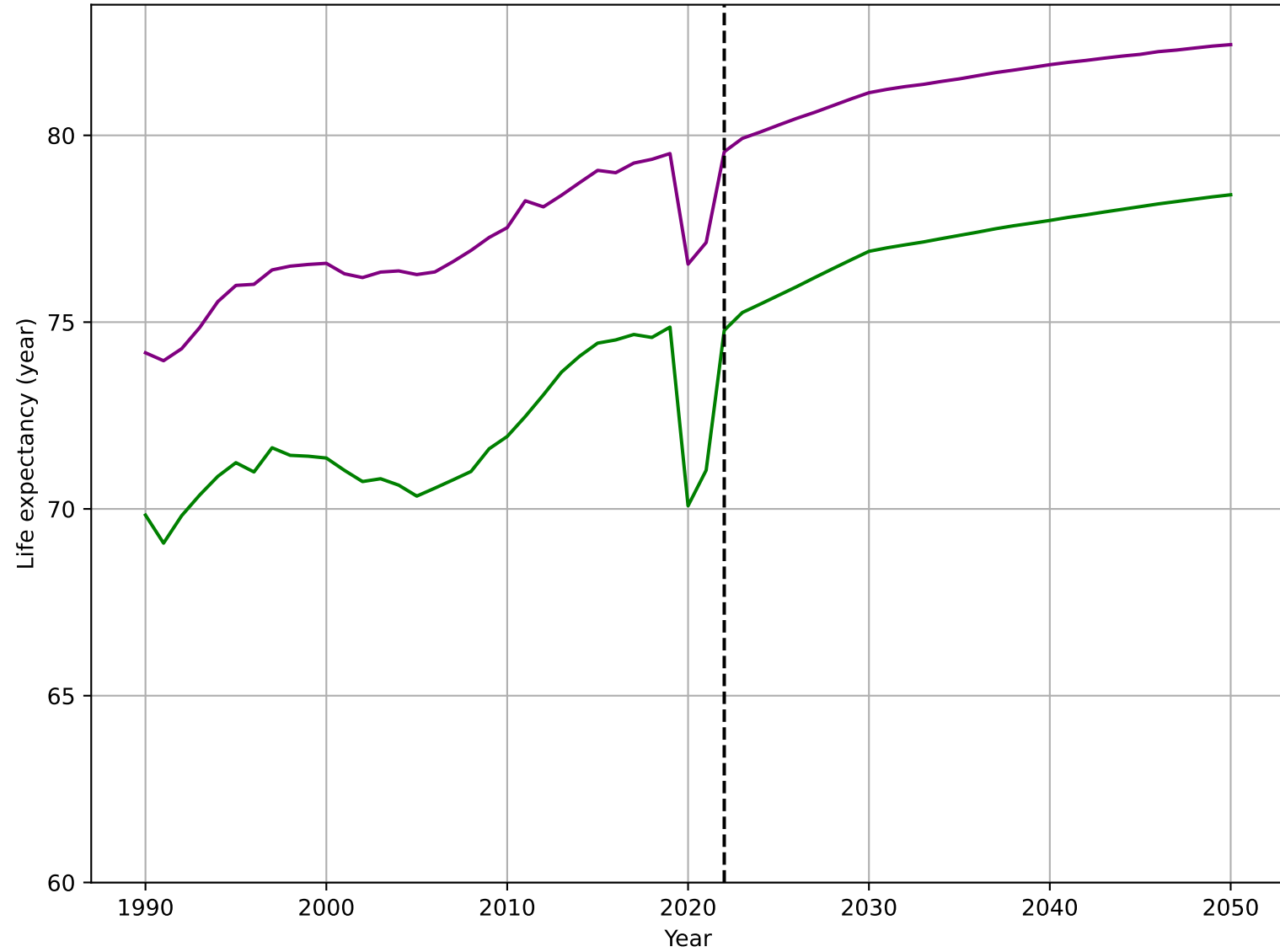


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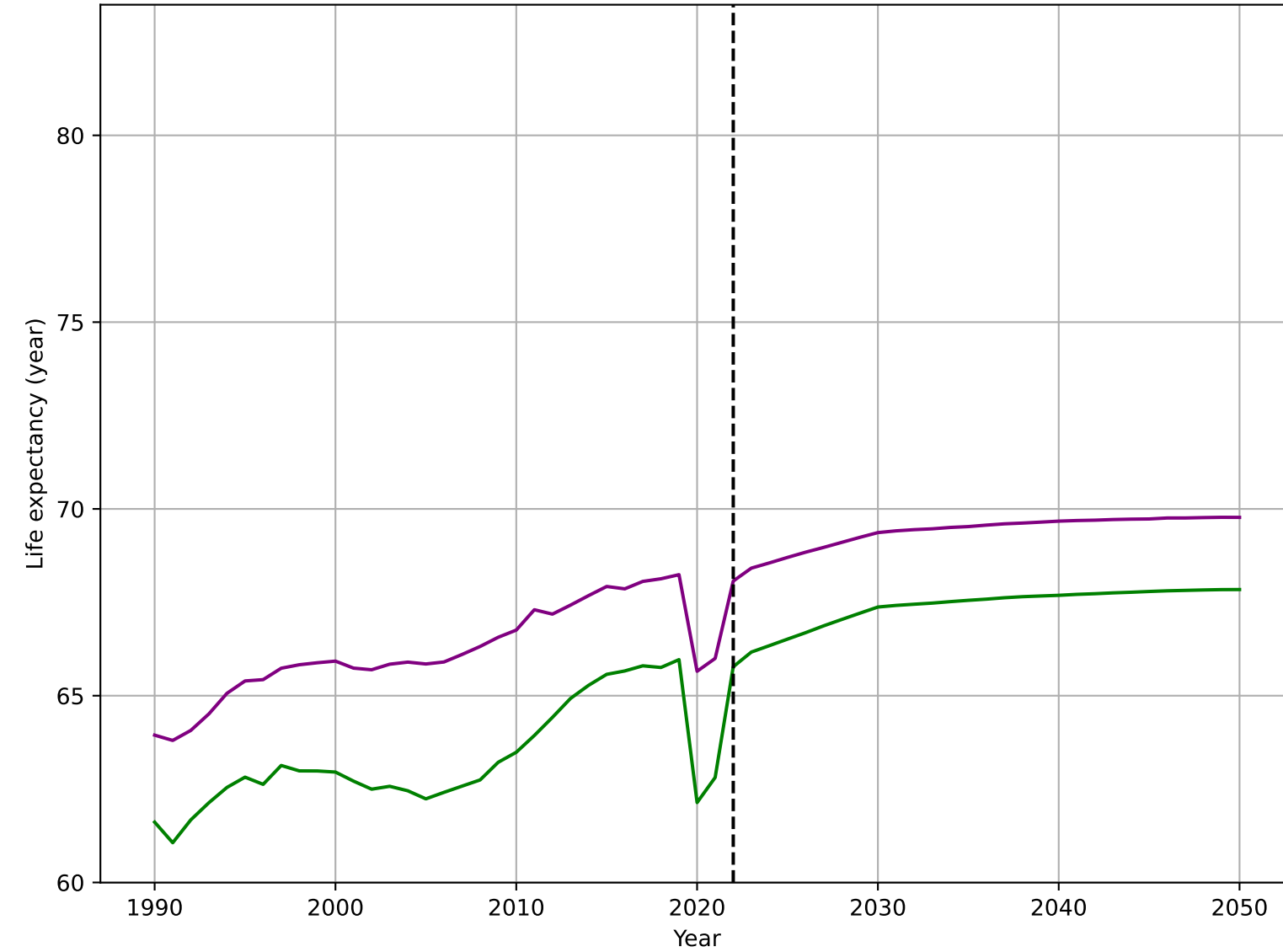


# Ecuador

### Life Expectancy

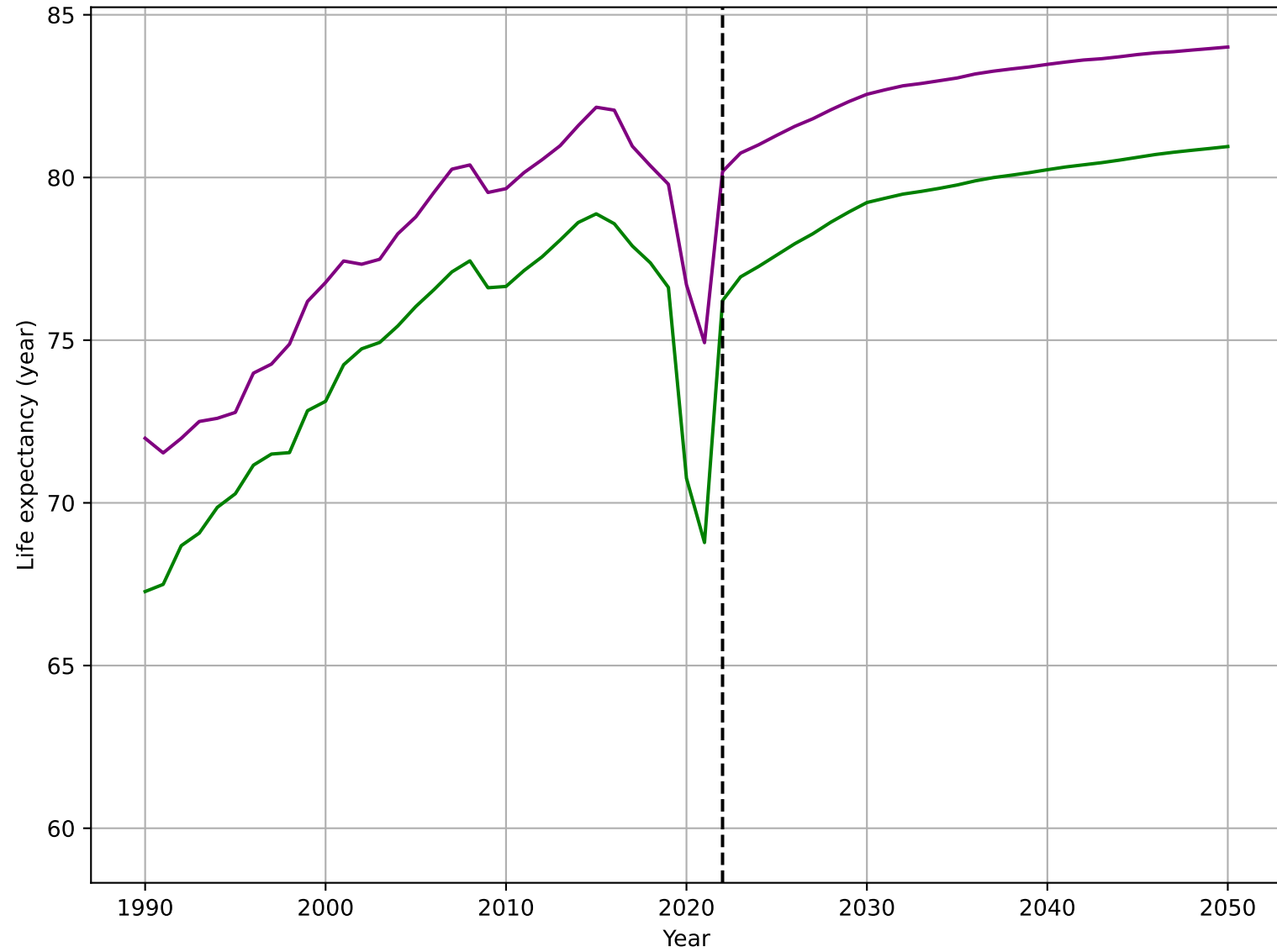


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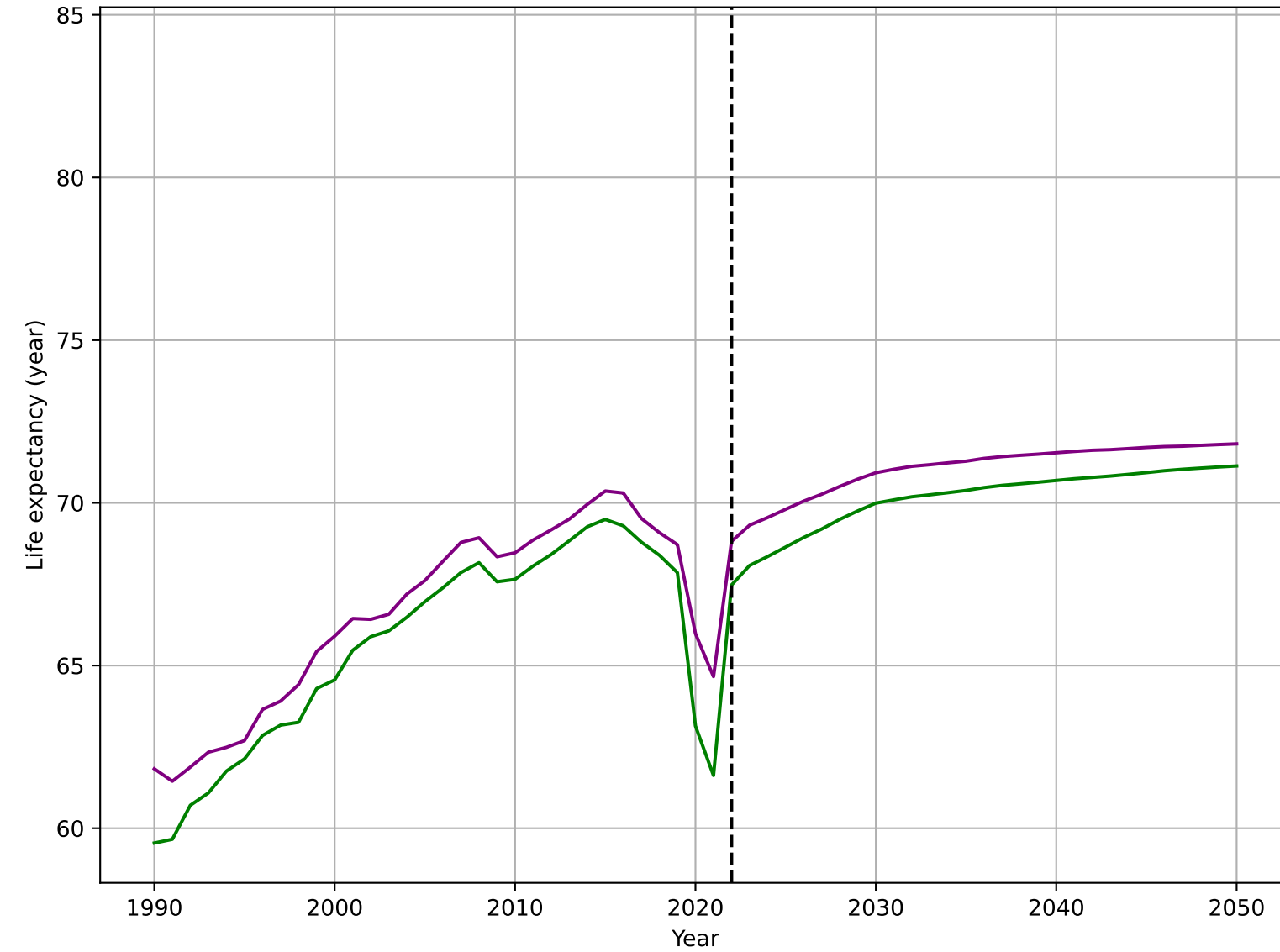


# Peru

### Life Expectancy



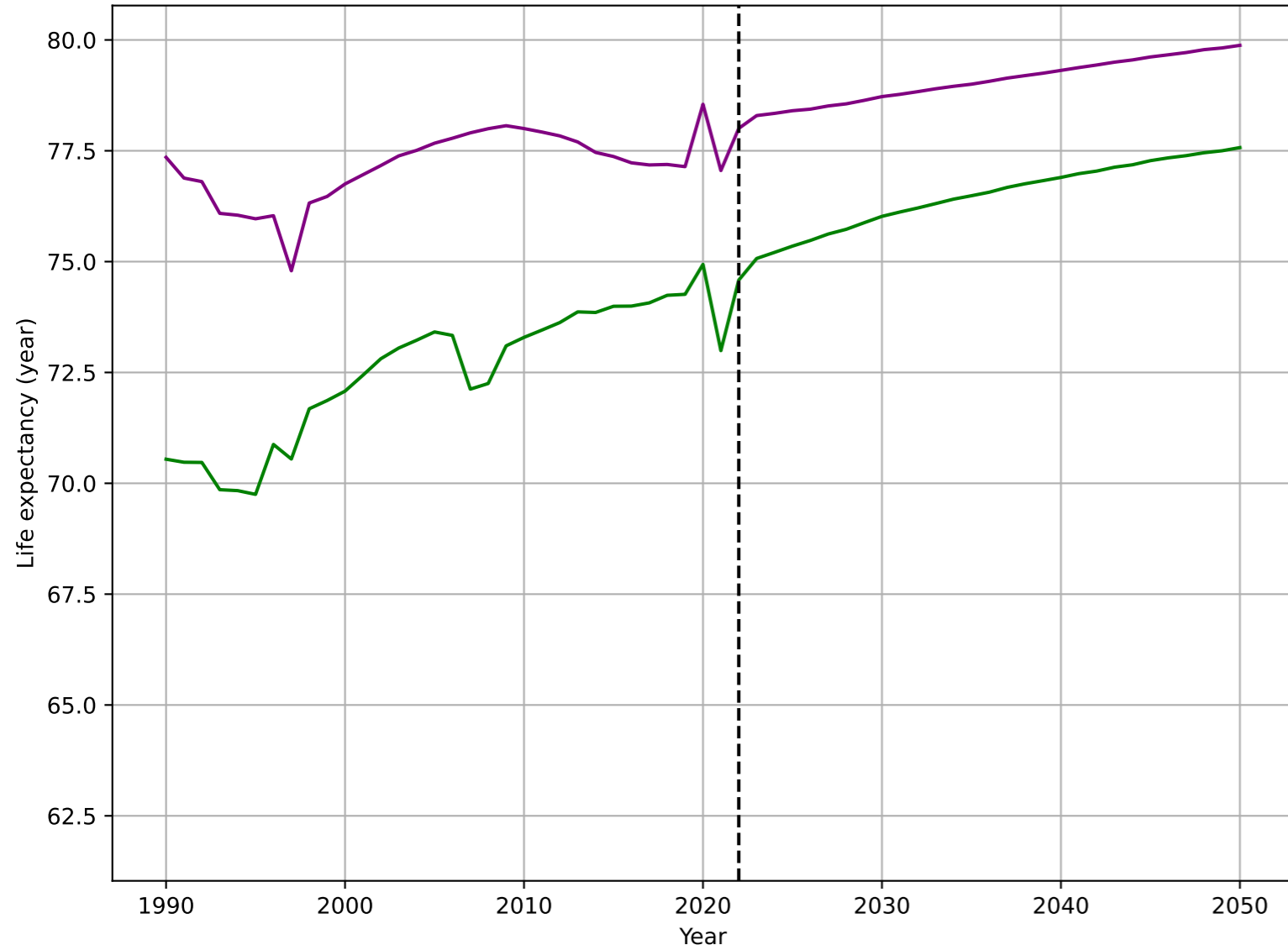
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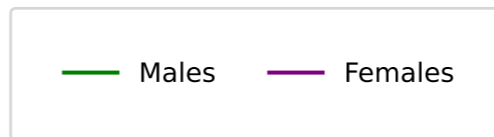
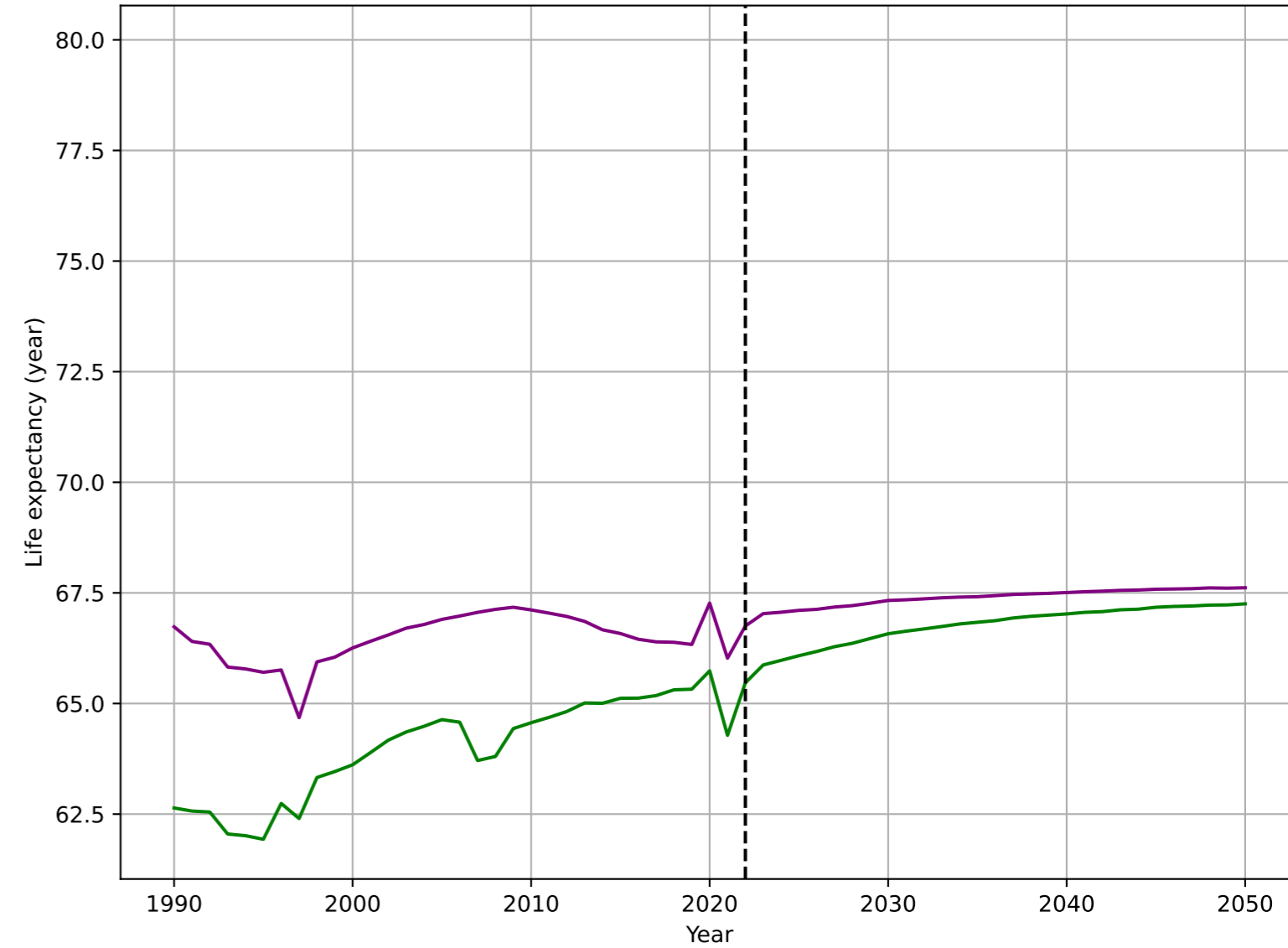


# Antigua And Barbuda

### Life Expectancy

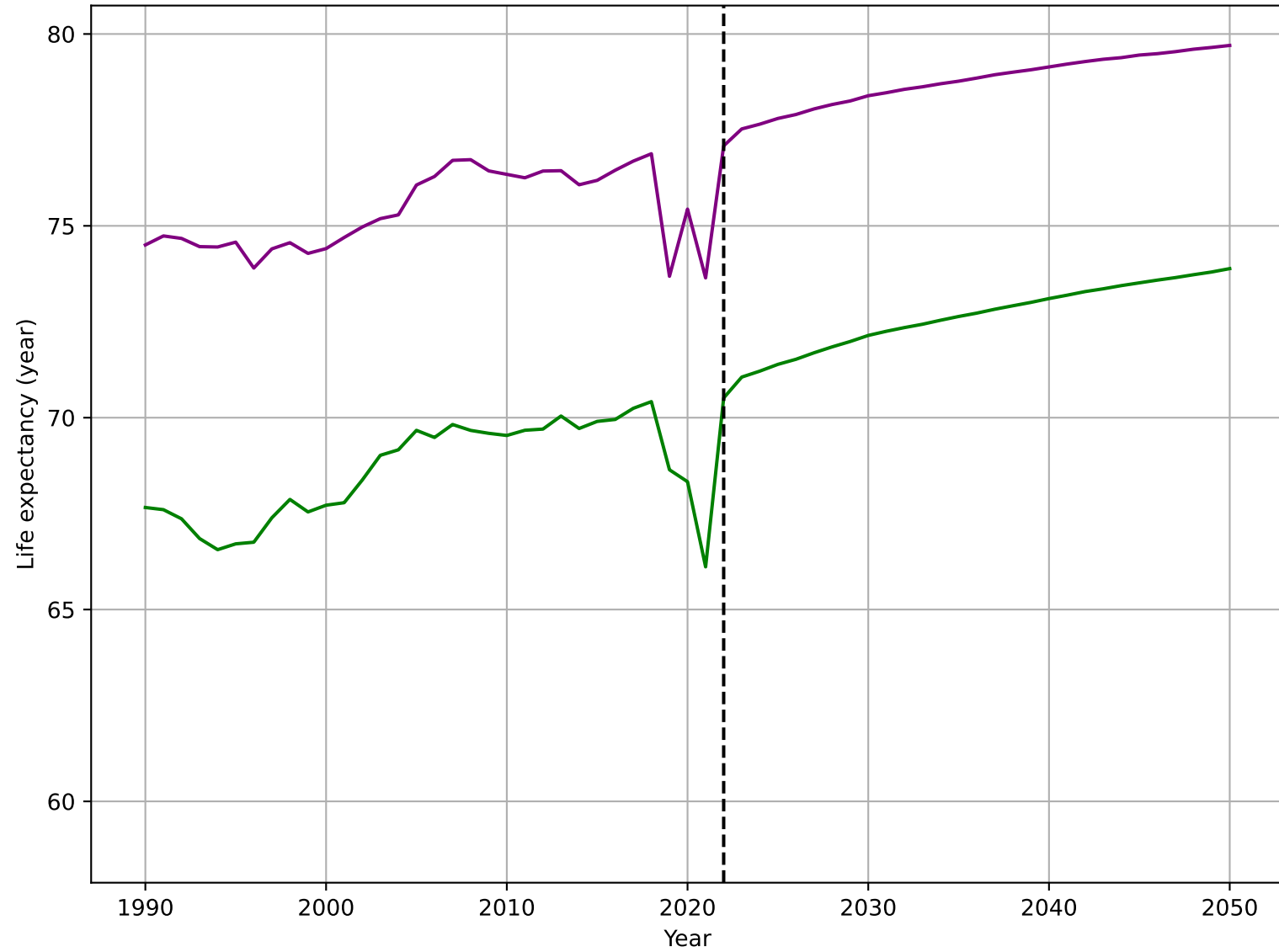


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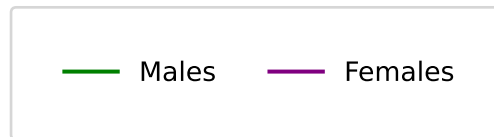
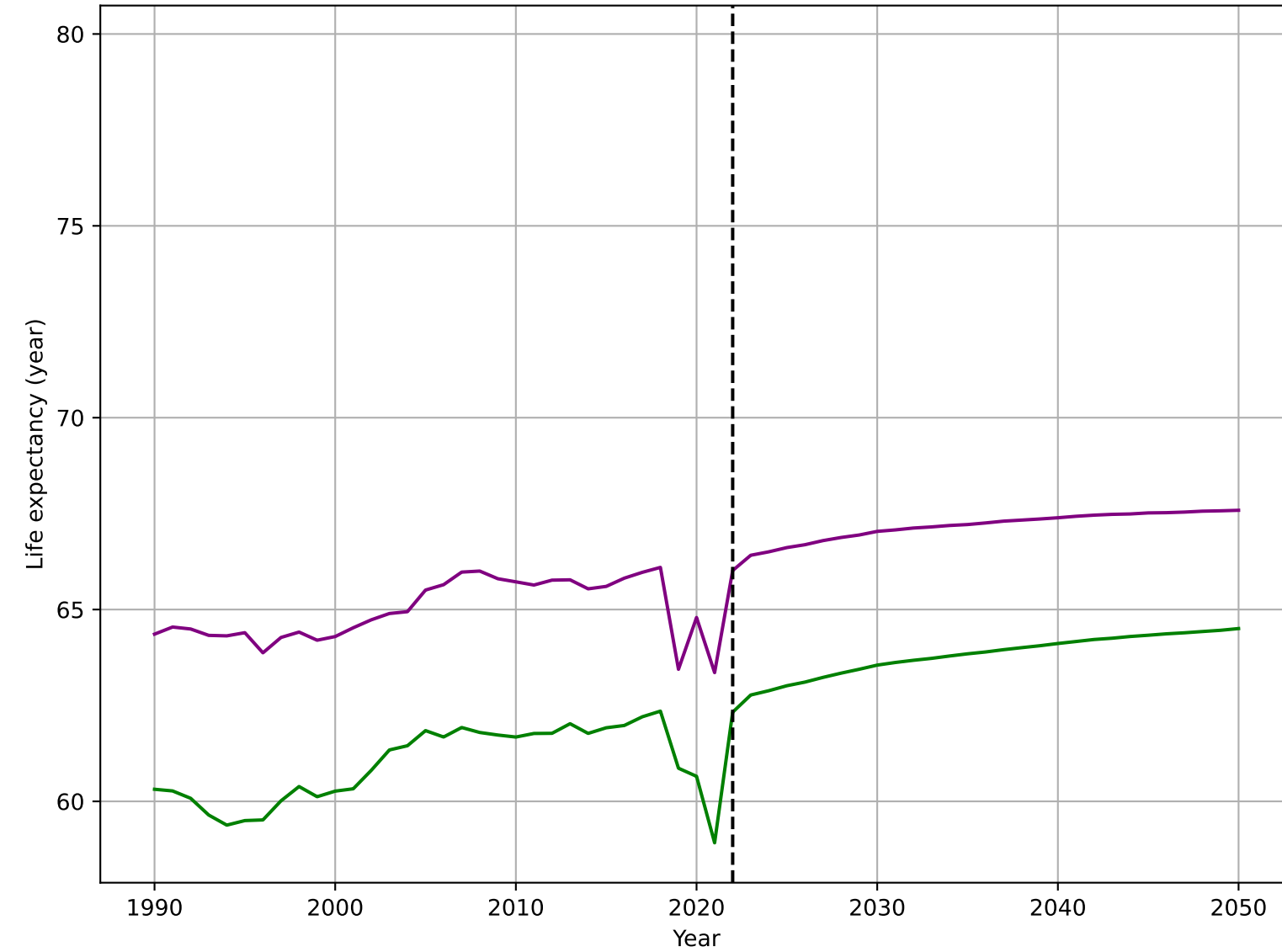


# The Bahamas

### Life Expectancy

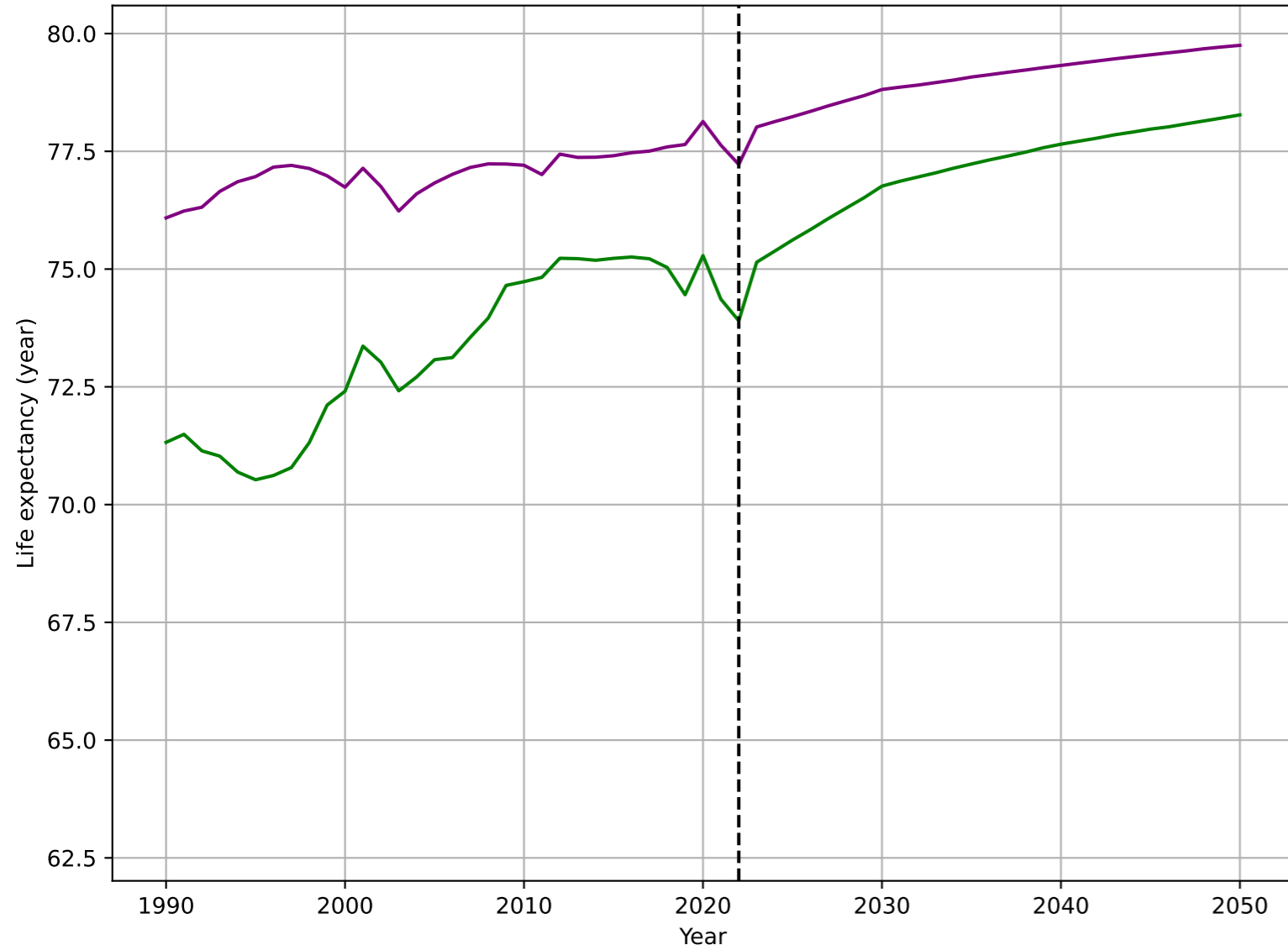


### Healthy Life Expectancy (HALE)

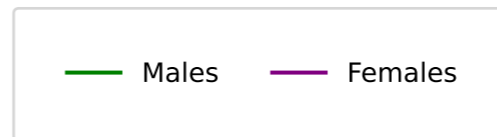
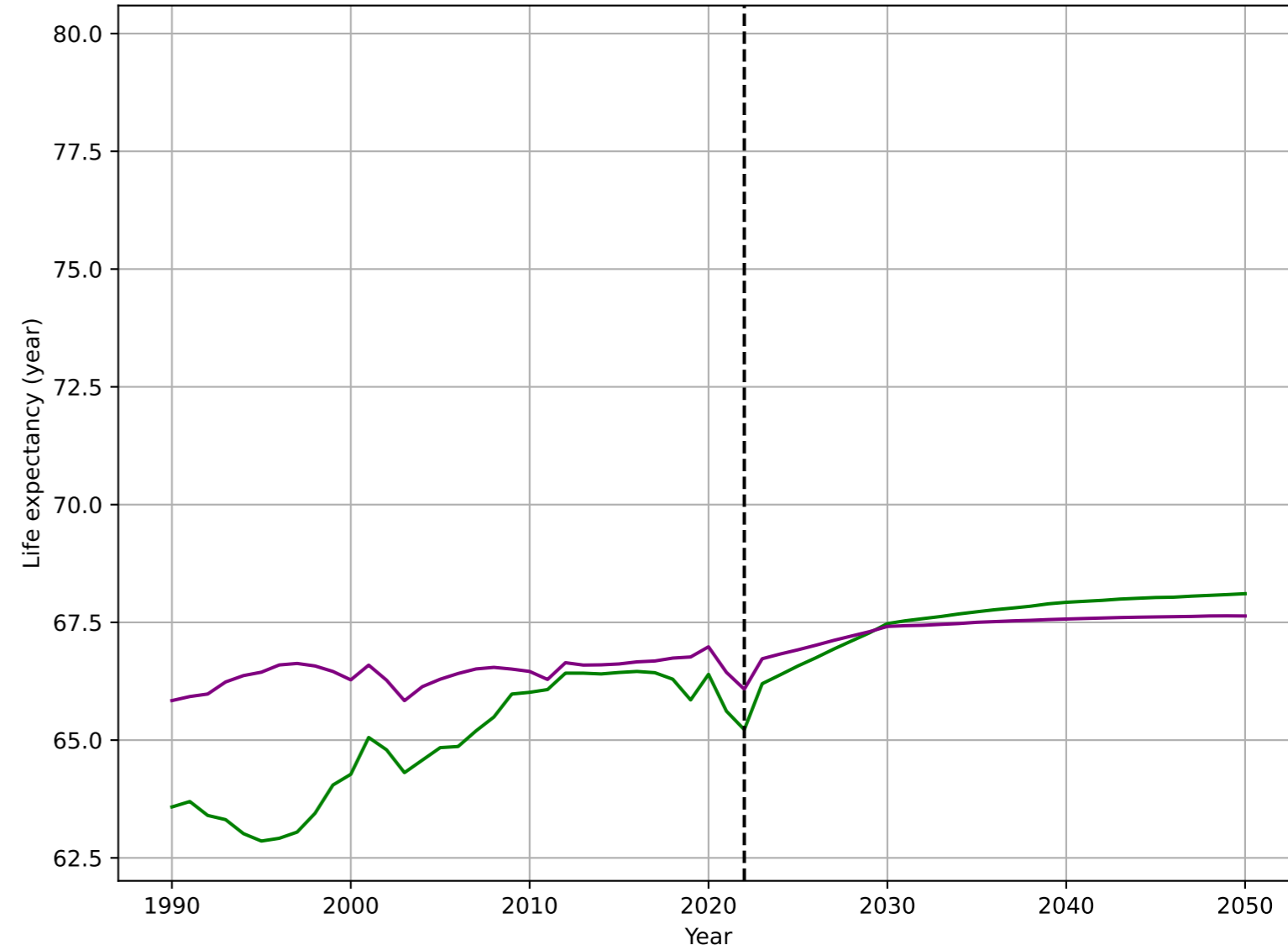


# Barbados

### Life Expectancy

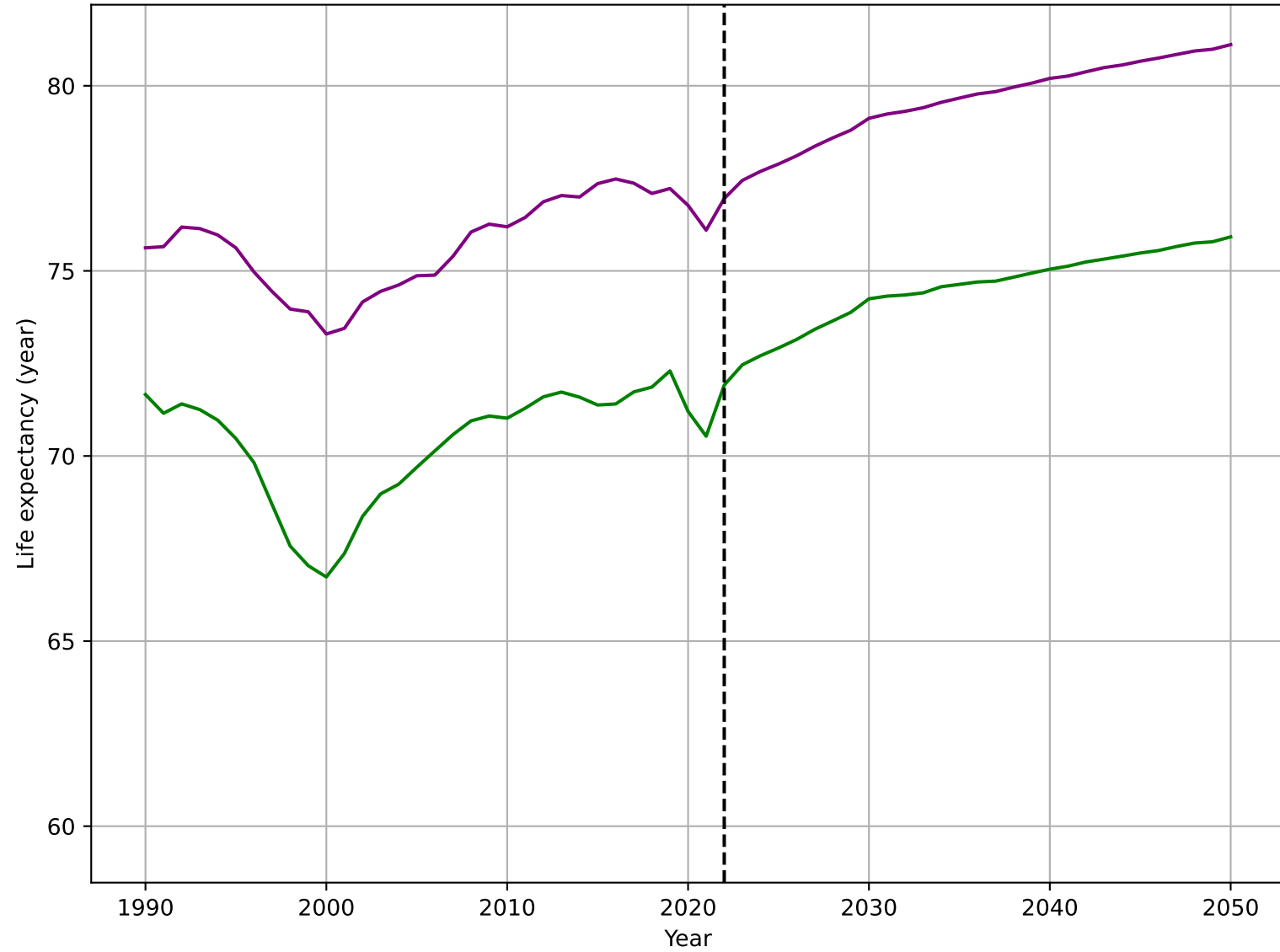


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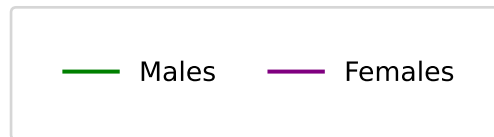
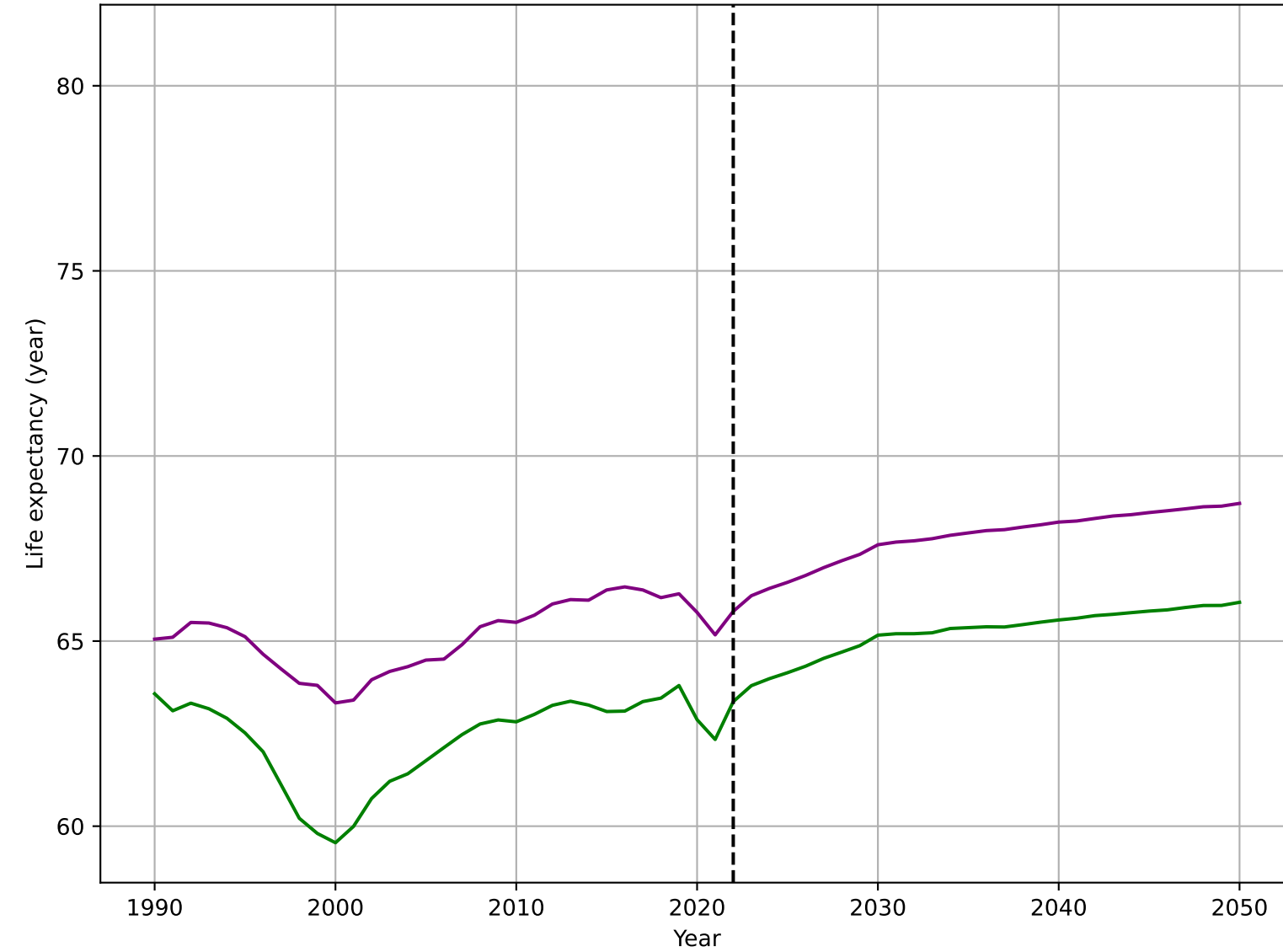


# Belize

### Life Expectancy

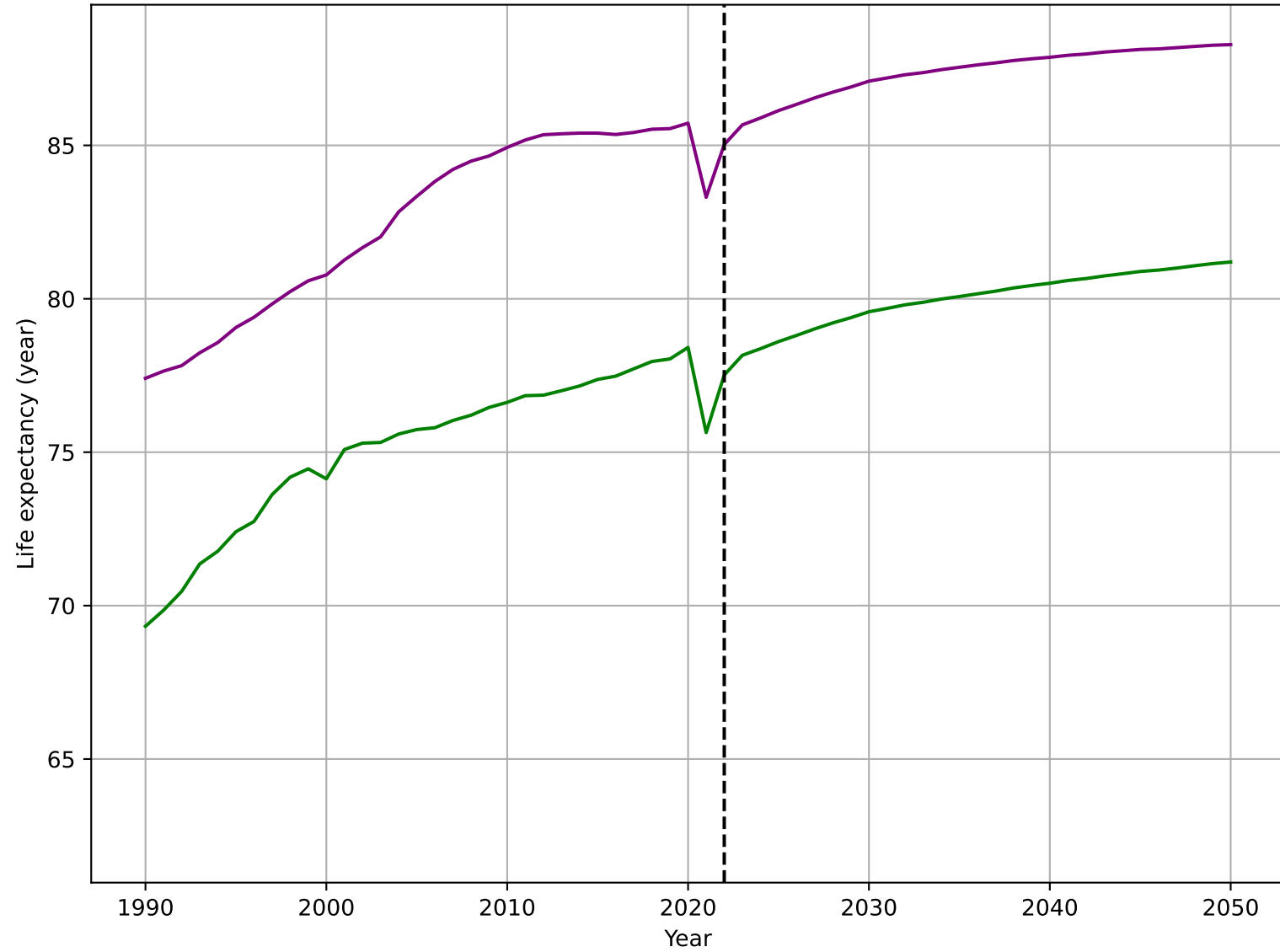


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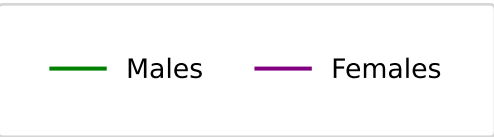
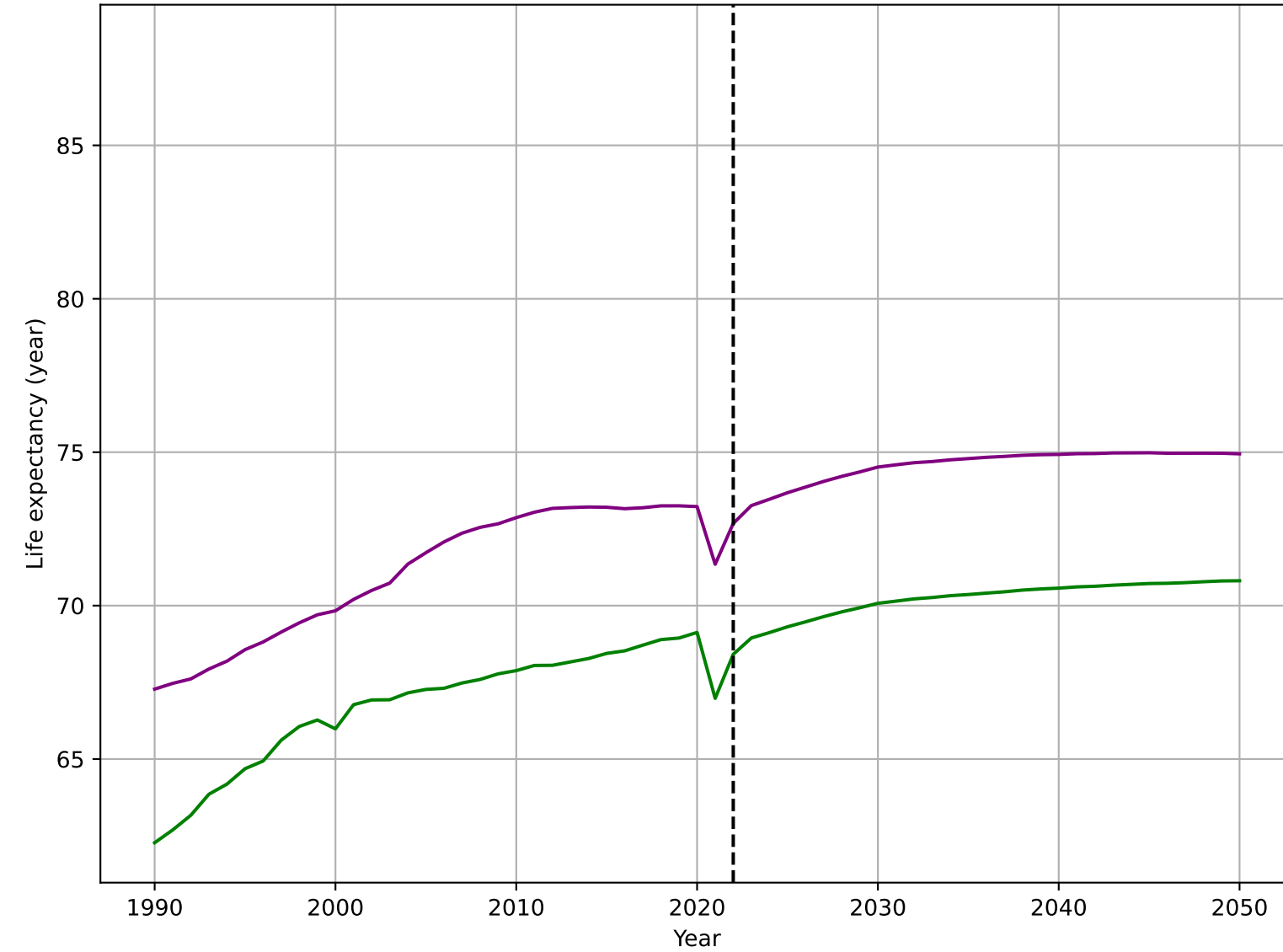


# Bermuda

### Life Expectancy

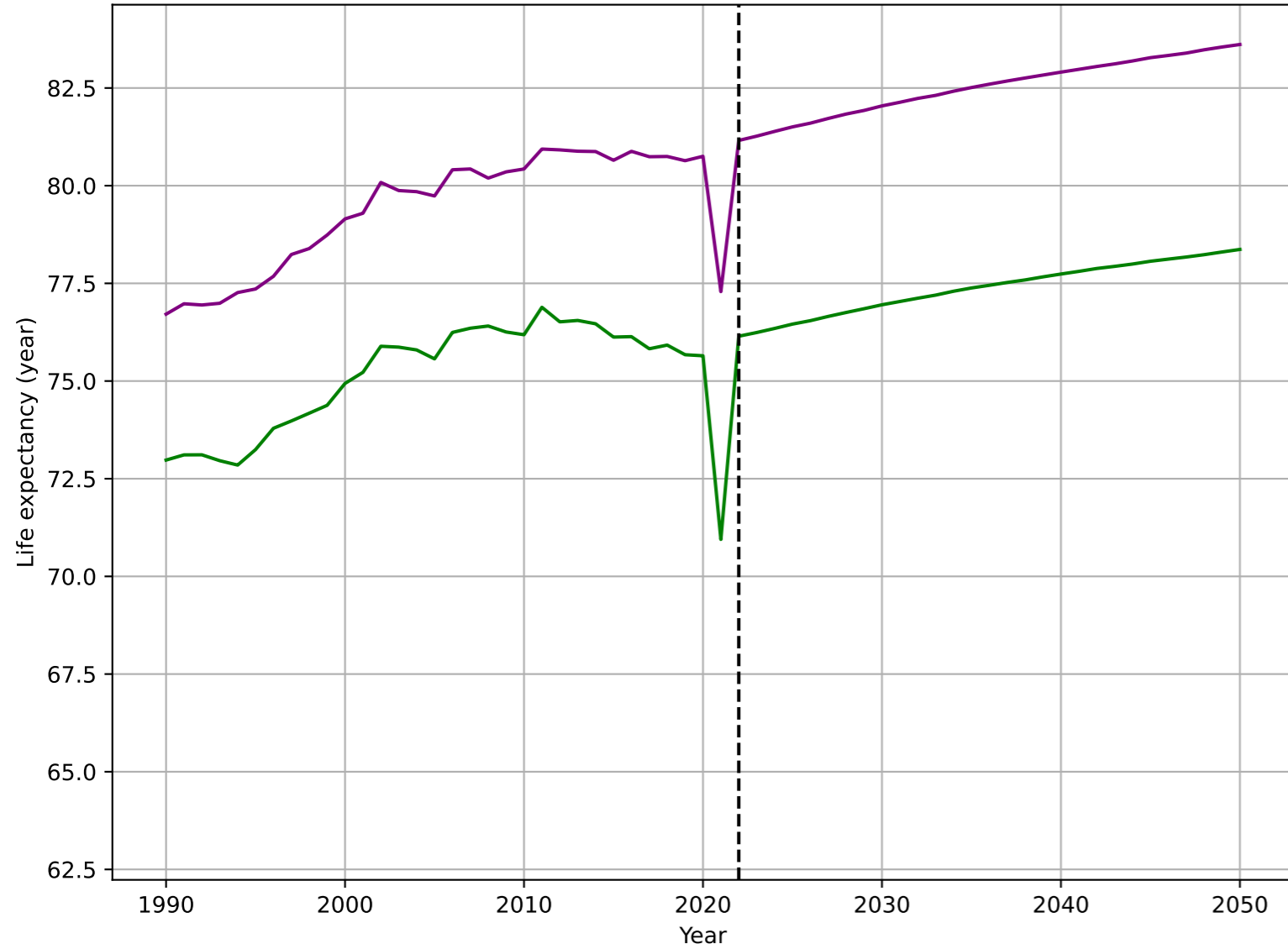


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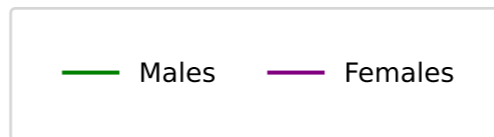
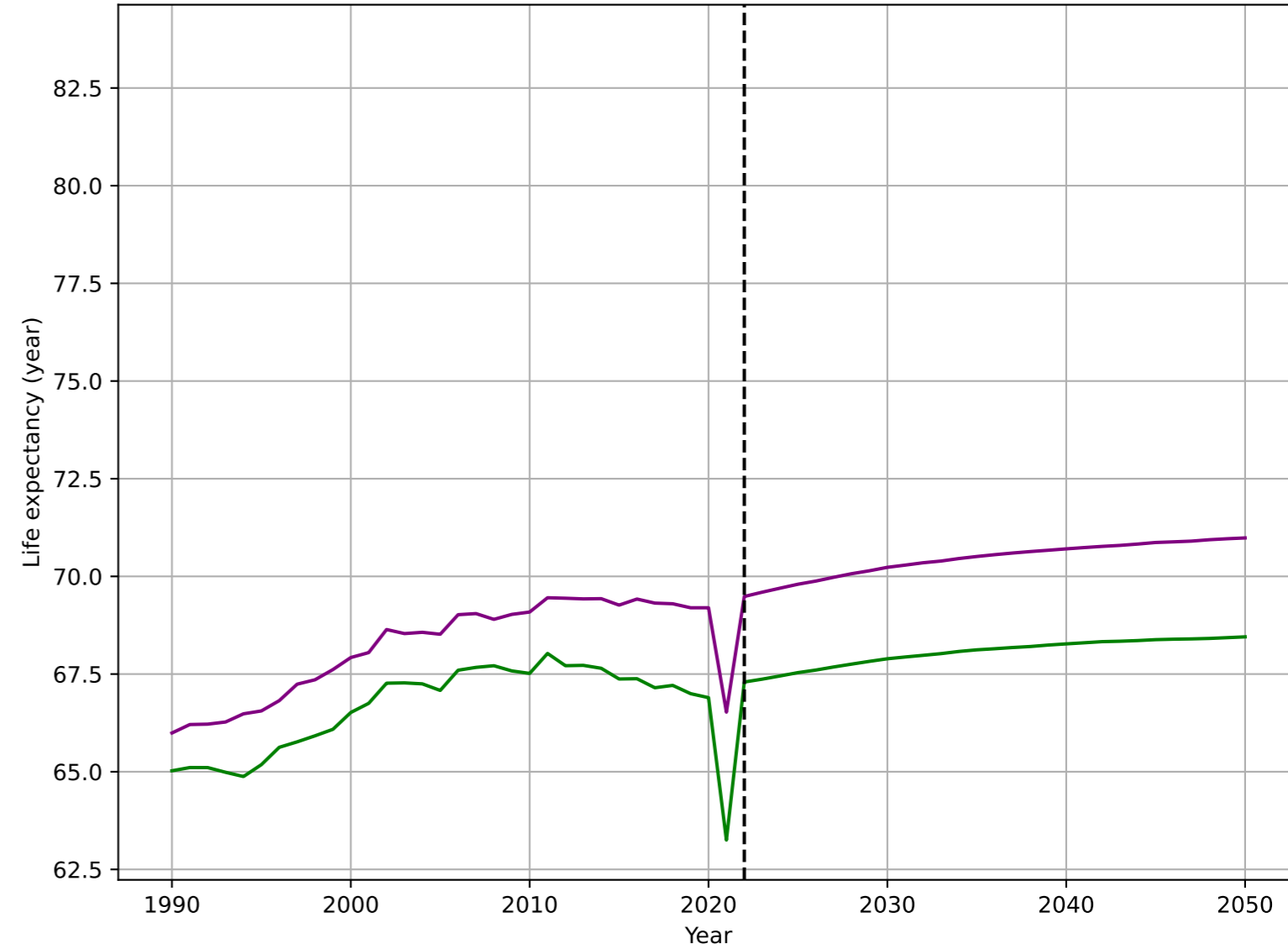


# Cuba

## Life Expectancy

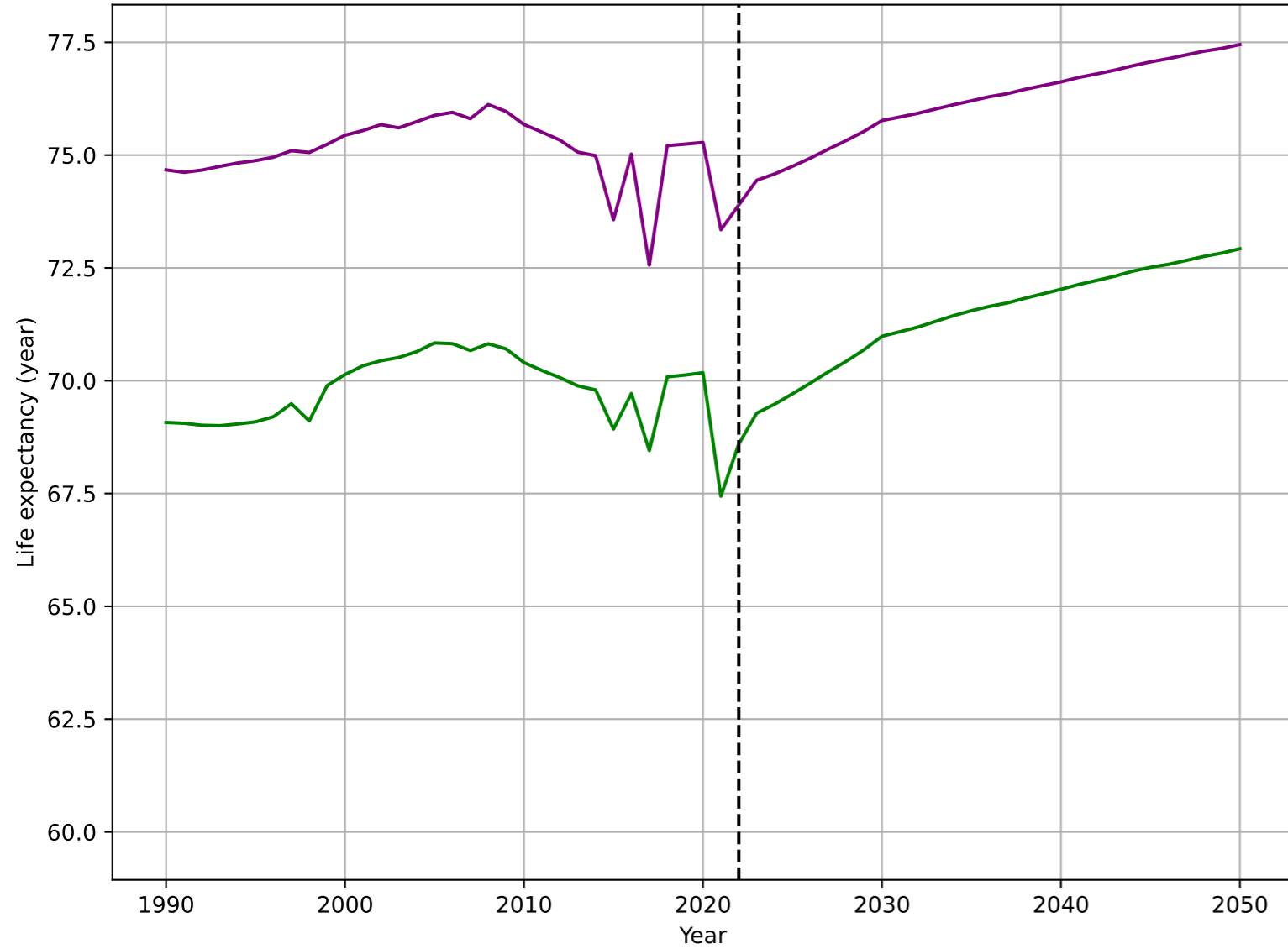


## Healthy Life Expectancy (HALE)

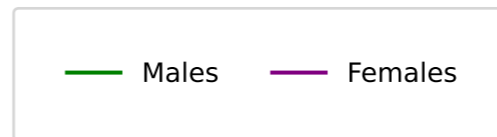
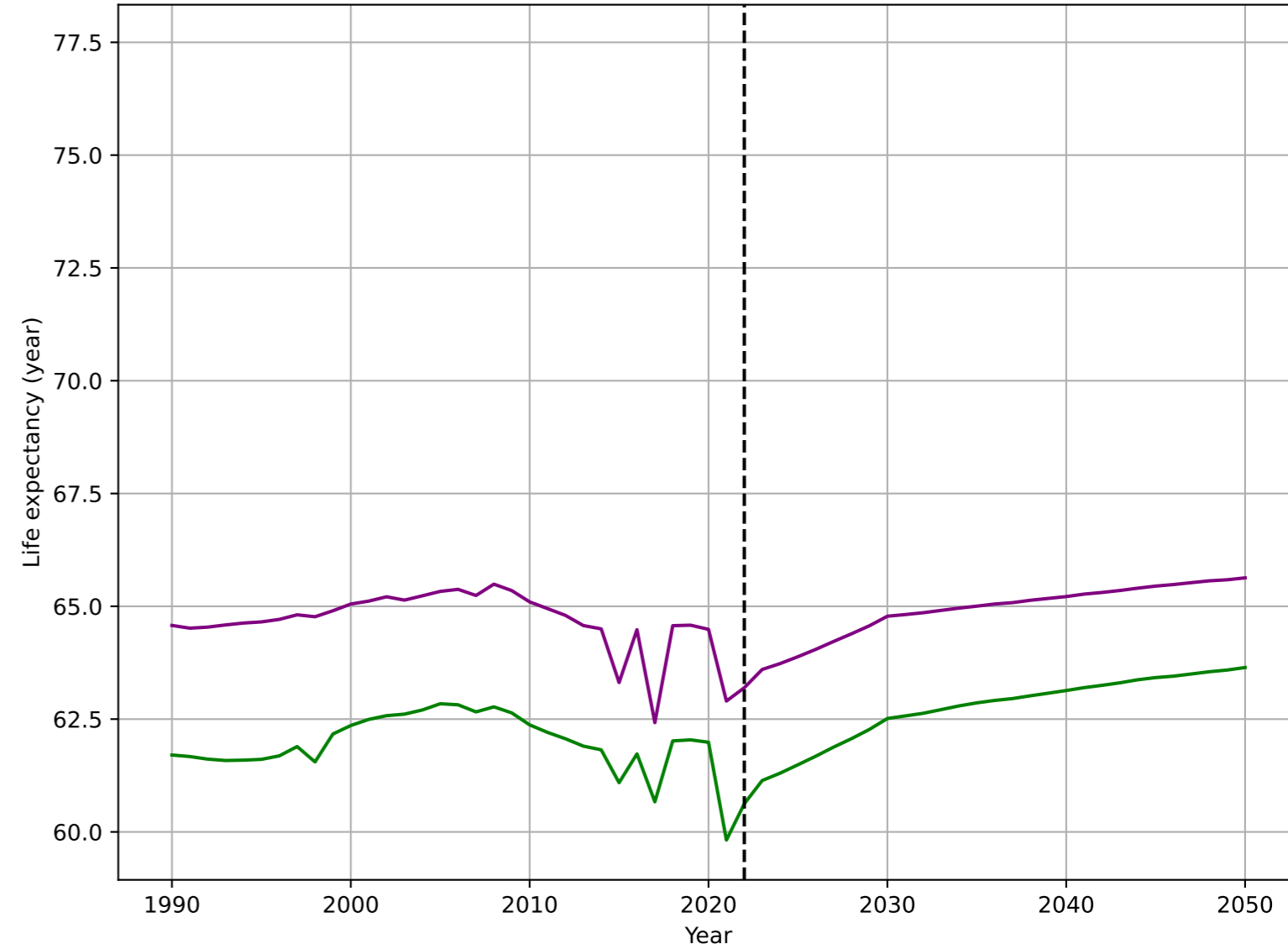


# Dominica

### Life Expectancy

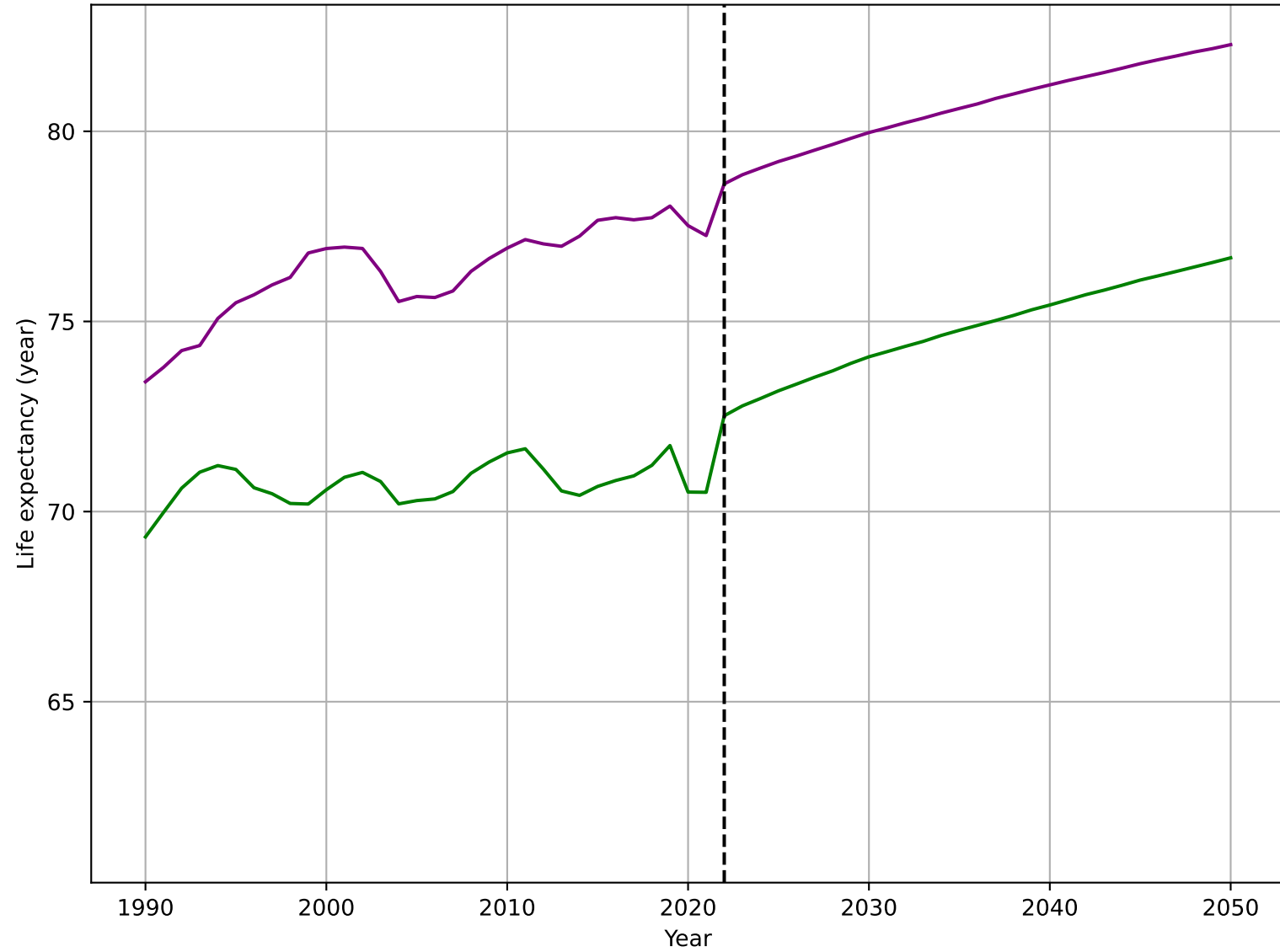


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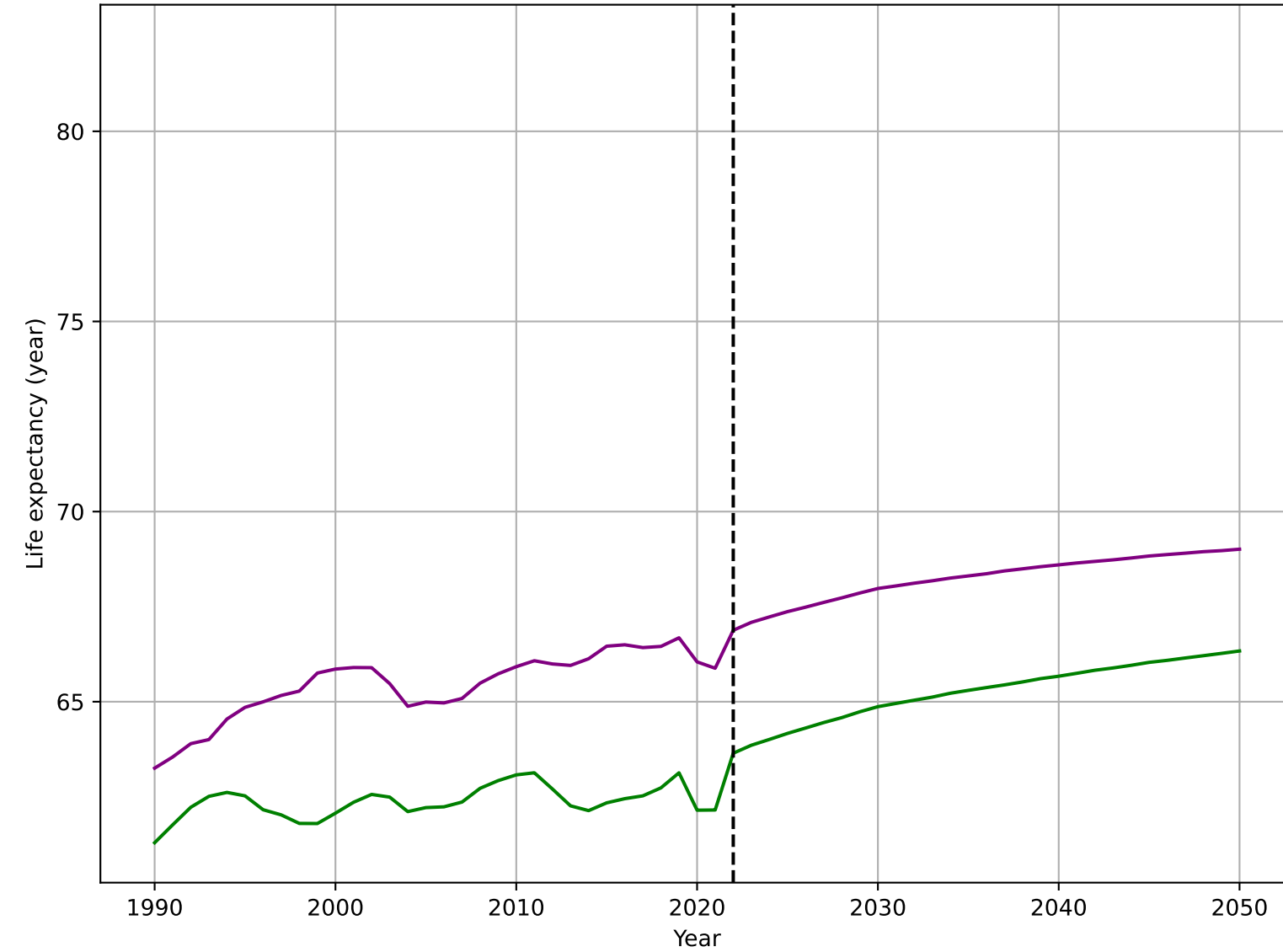


# Dominican Republic

### Life Expectancy



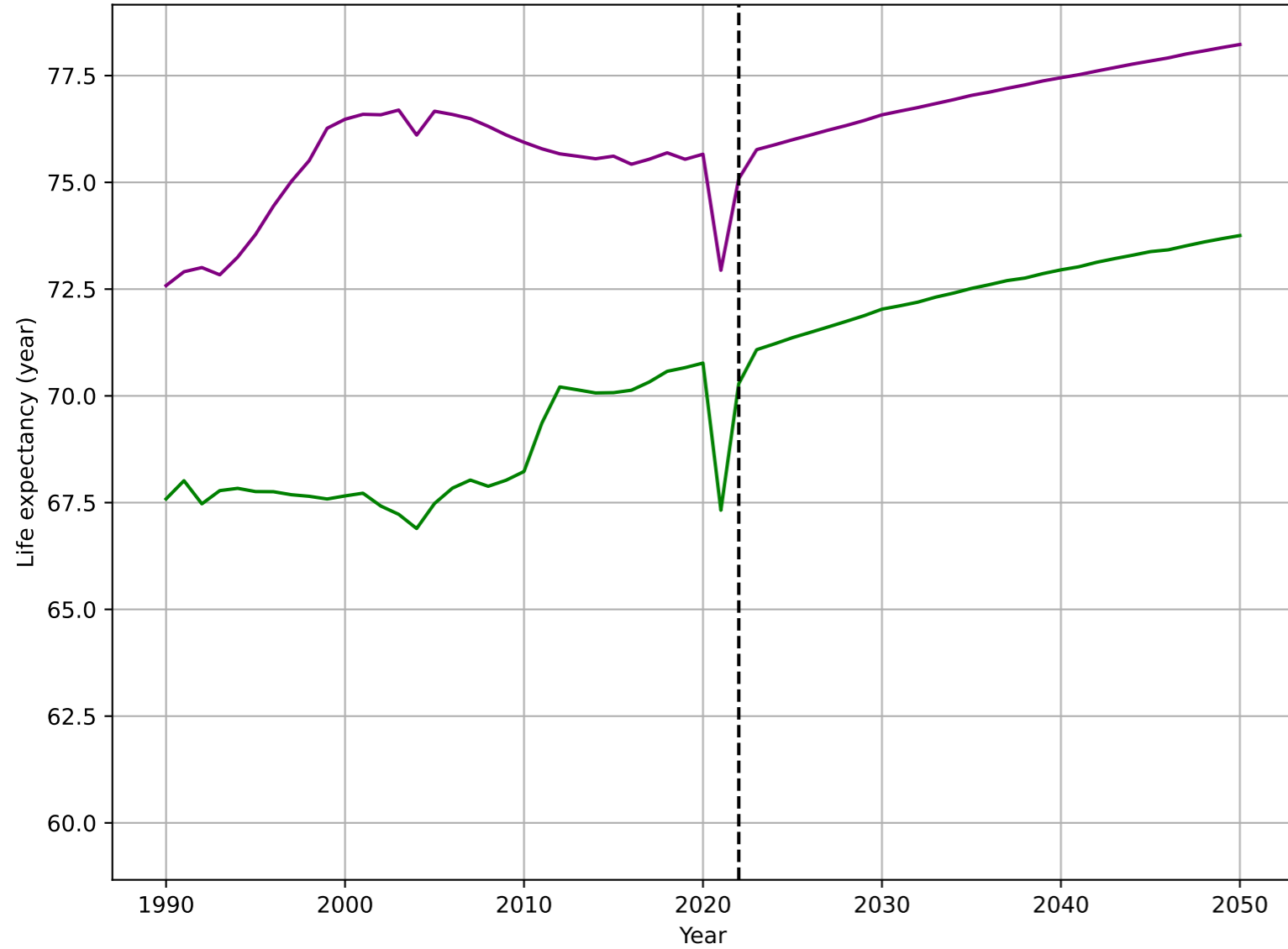
### Healthy Life Expectancy (HALE)



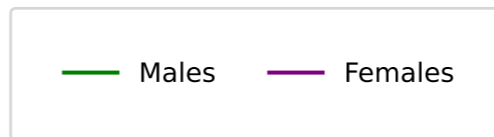
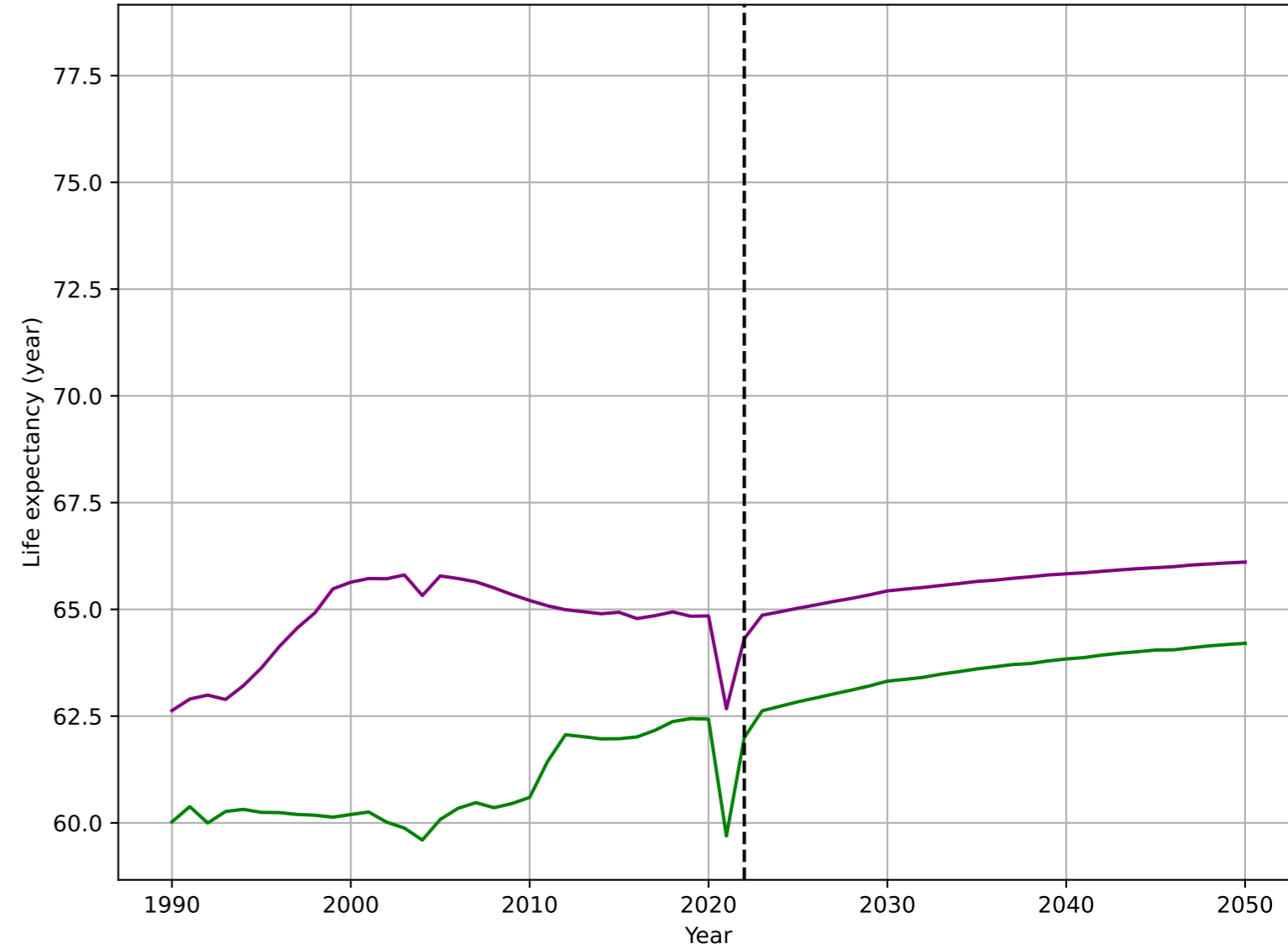


# Grenada

### Life Expectancy

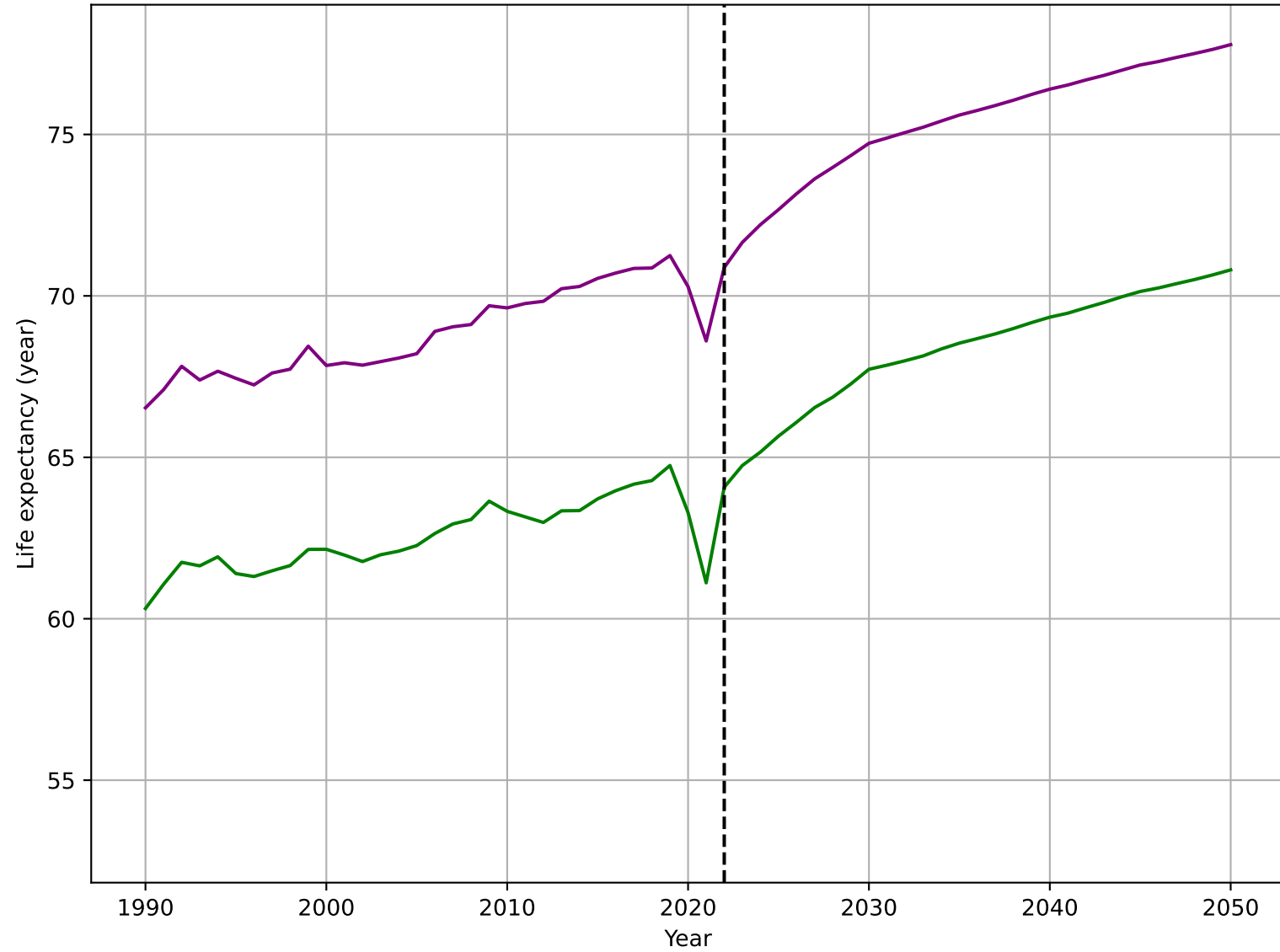


### Healthy Life Expectancy (HALE)

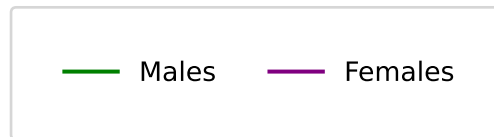
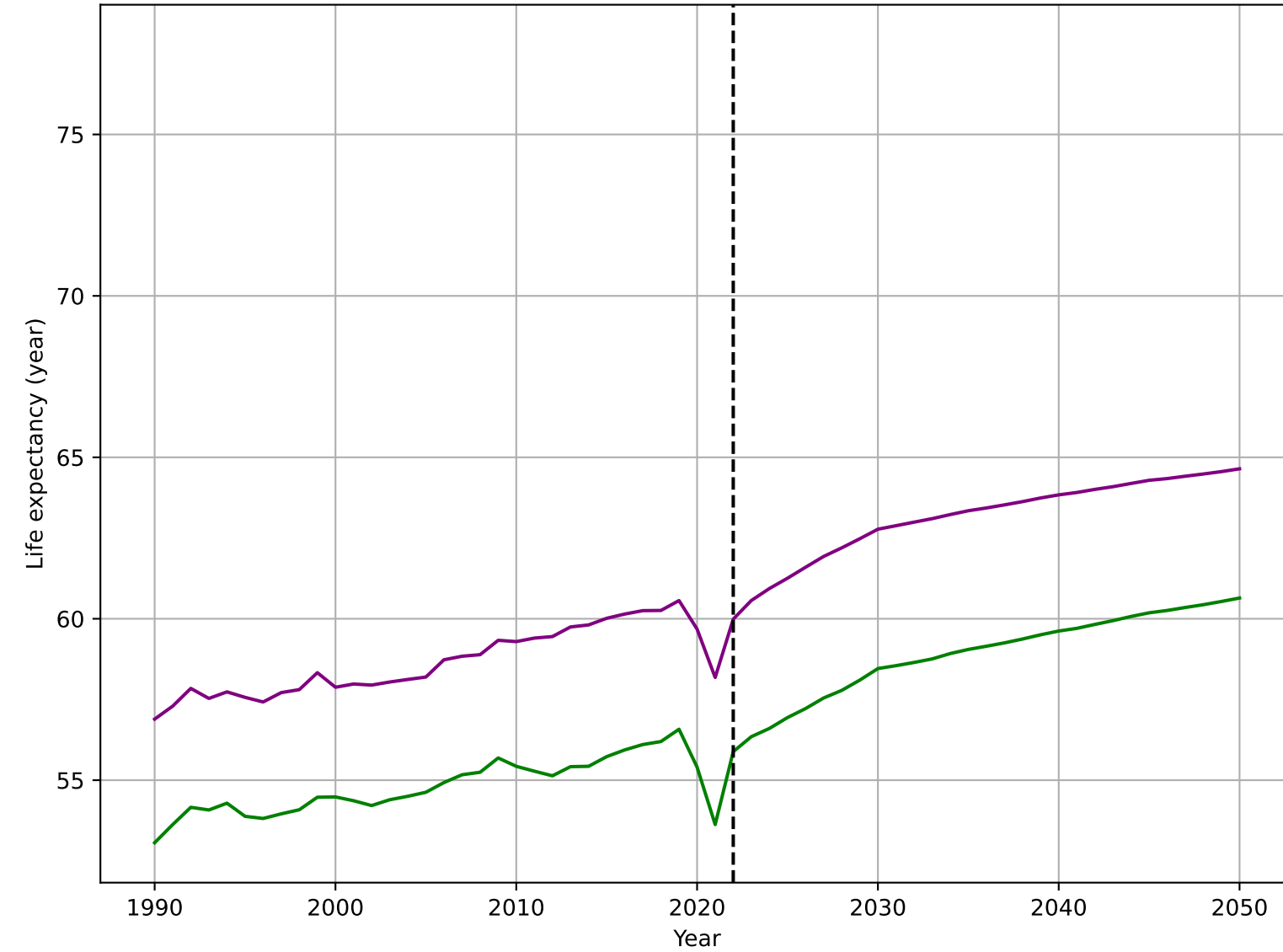


# Guyana

### Life Expectancy



### Healthy Life Expectancy (HALE)

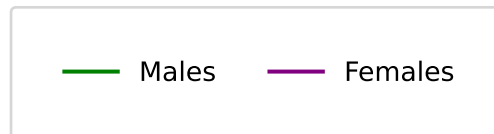
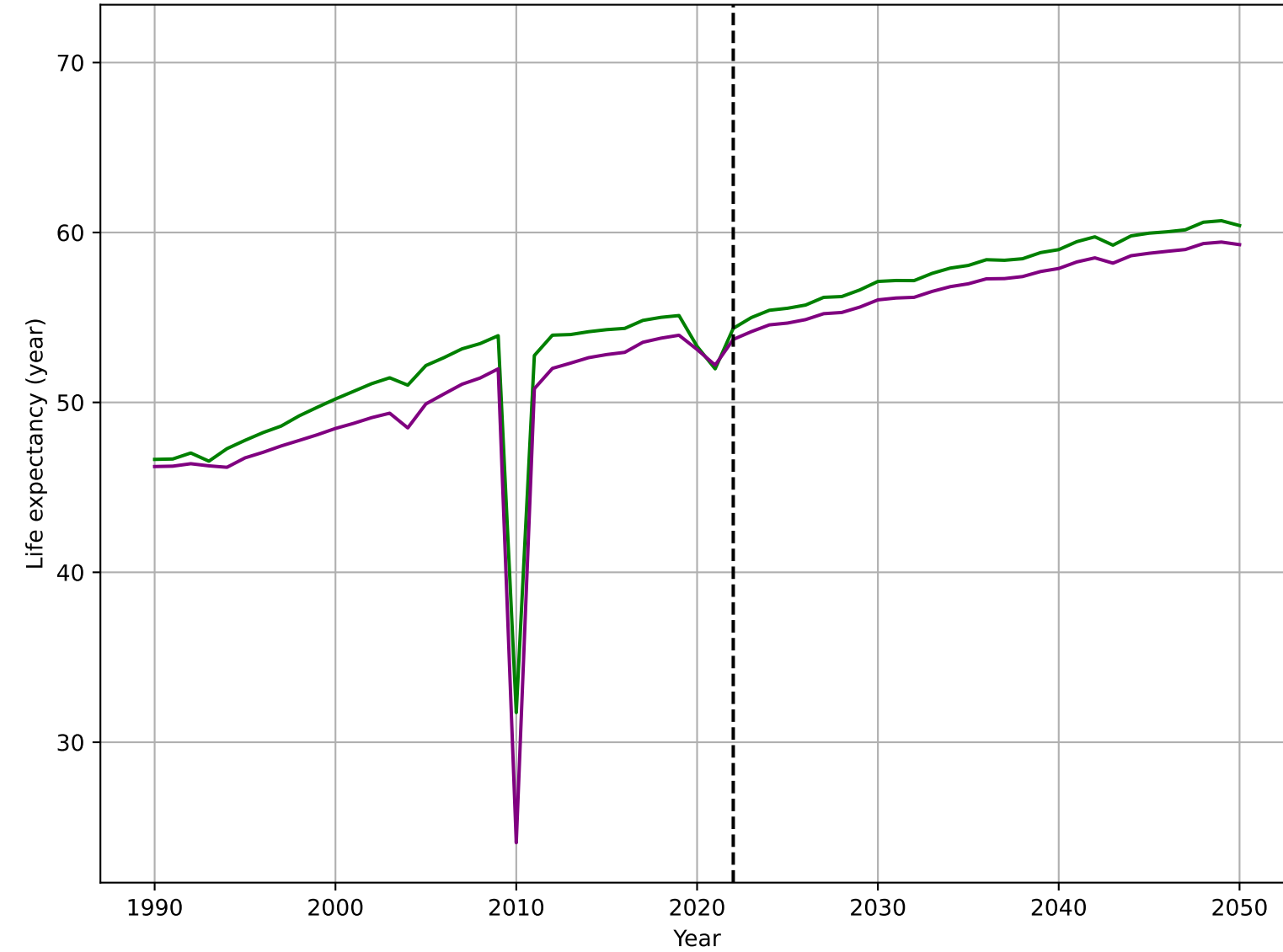


# Haiti

### Life Expectancy

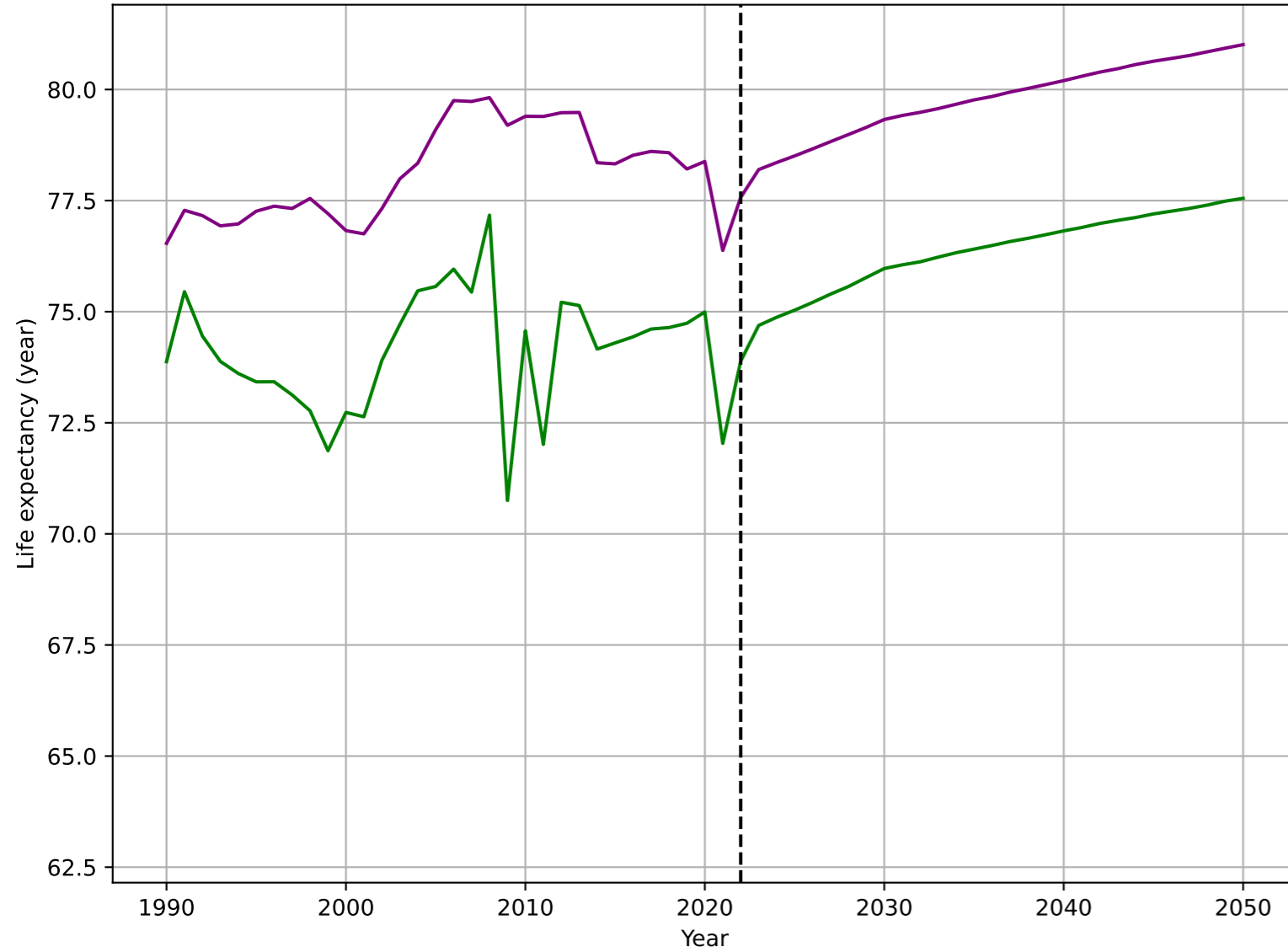


### Healthy Life Expectancy (HALE)

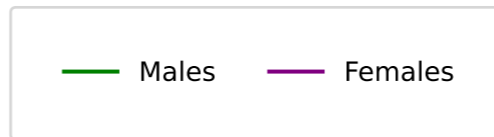
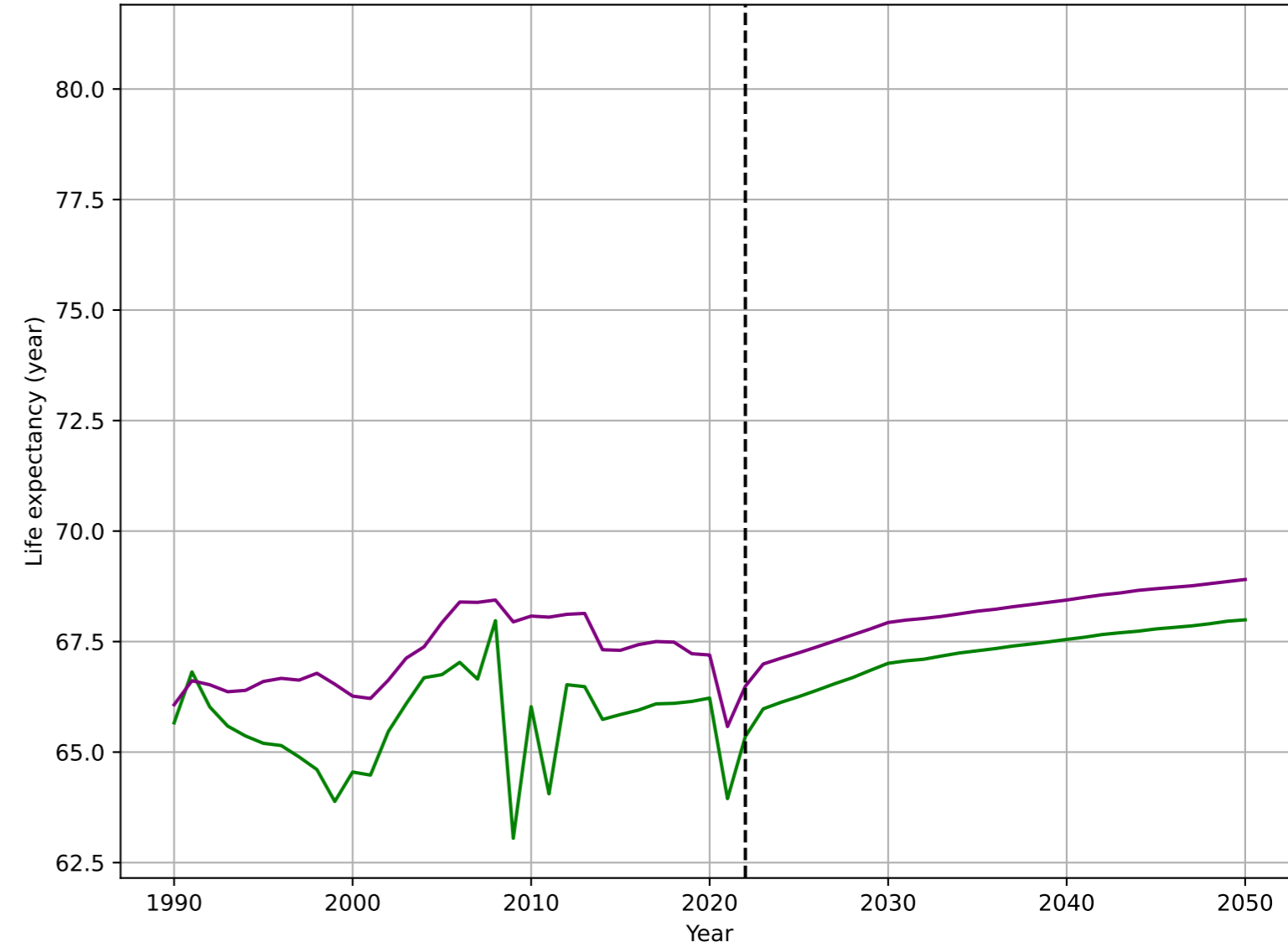


# Jamaica

### Life Expectancy

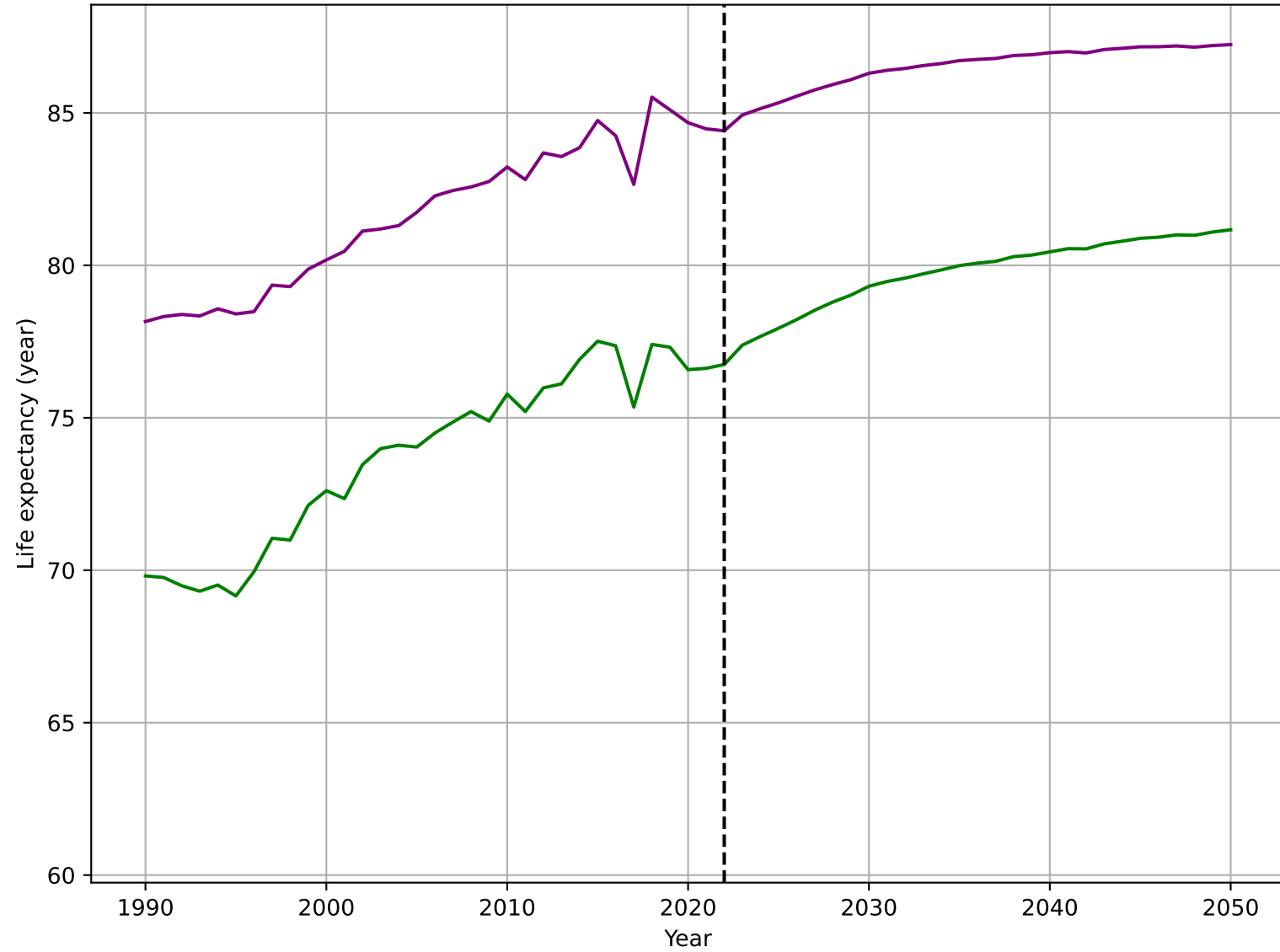


### Healthy Life Expectancy (HALE)

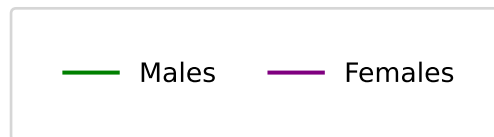
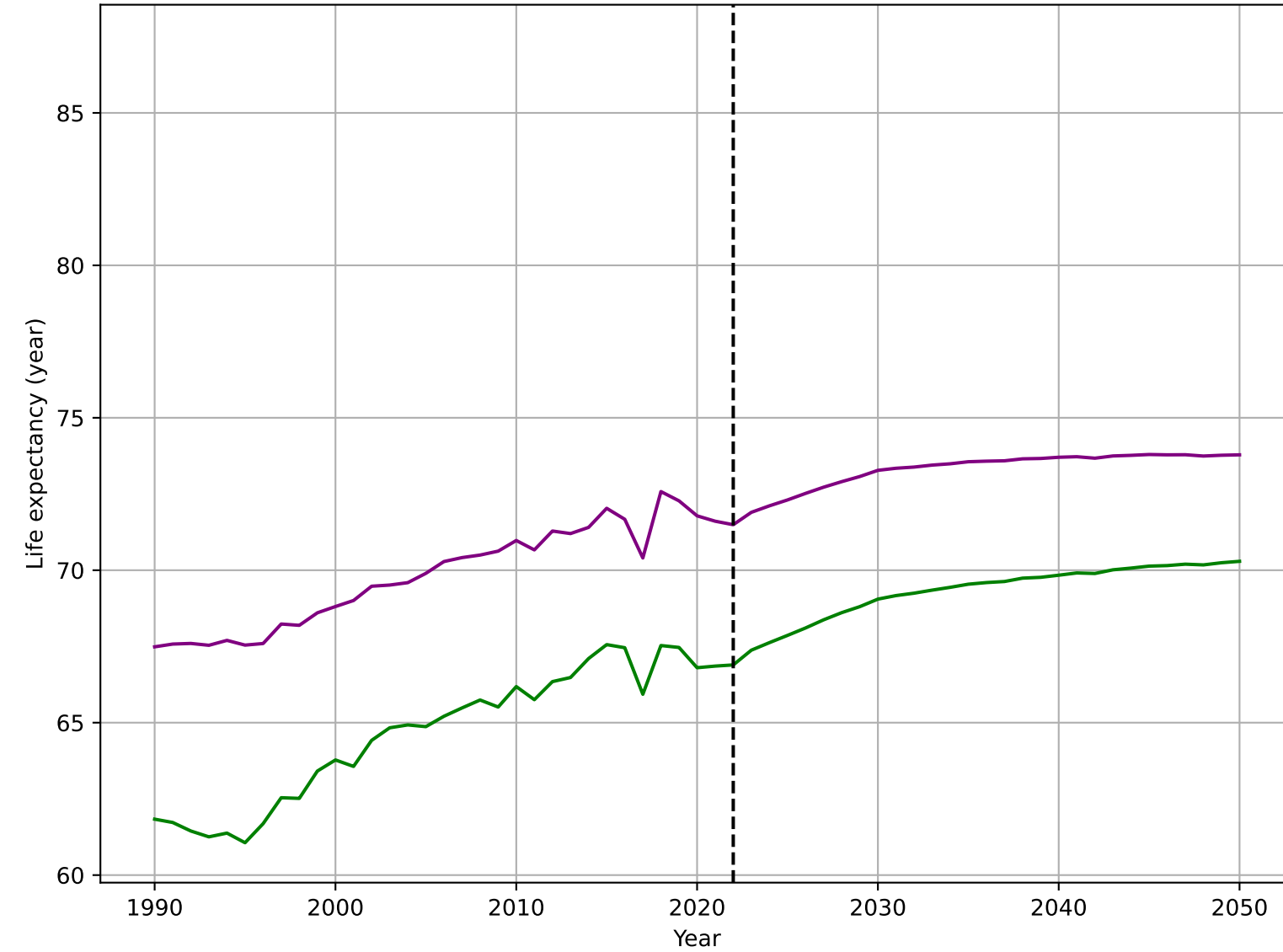


# Puerto Rico

## Life Expectancy

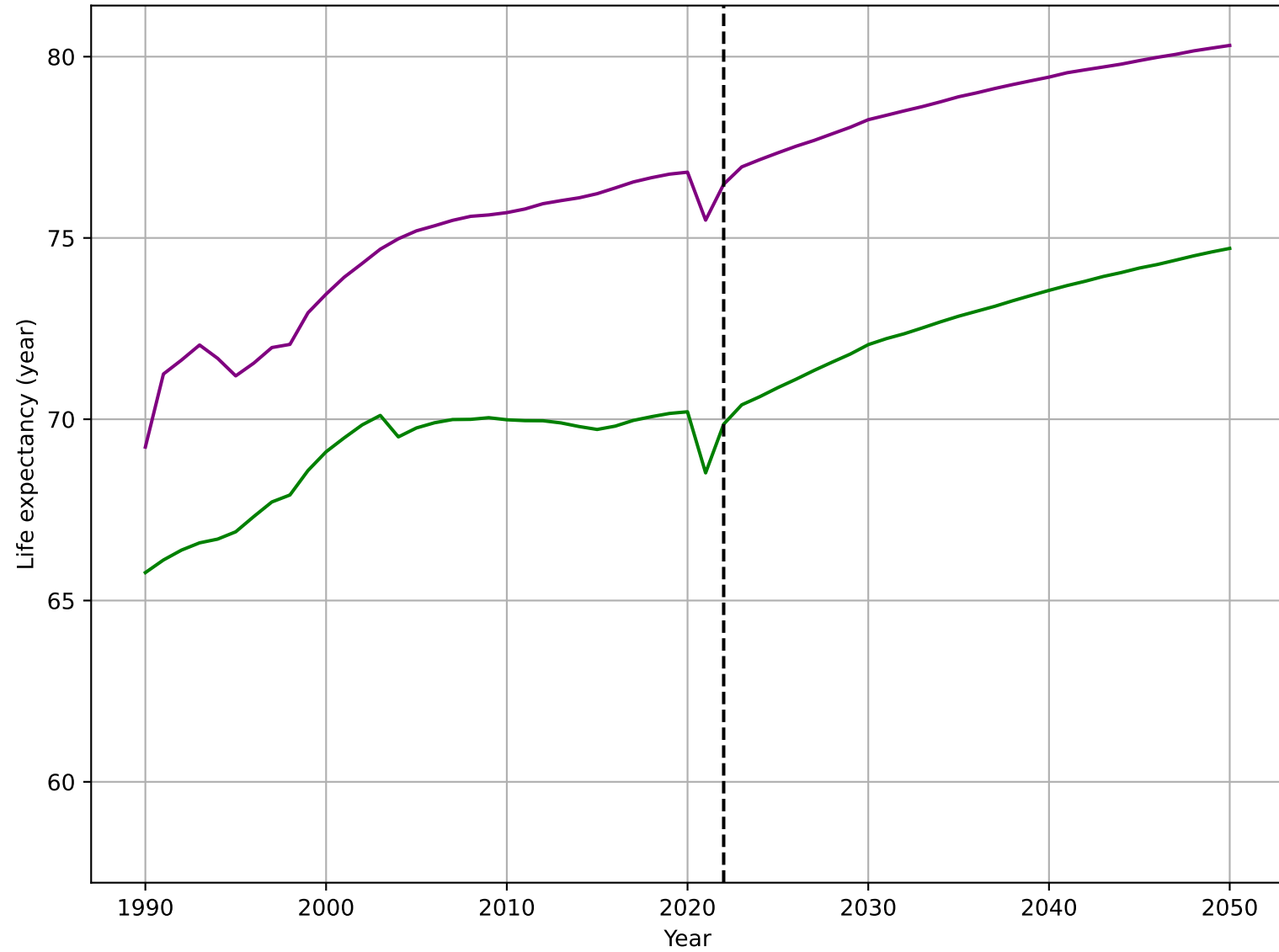


## Healthy Life Expectancy (HALE)

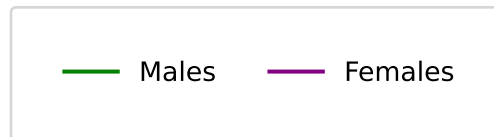
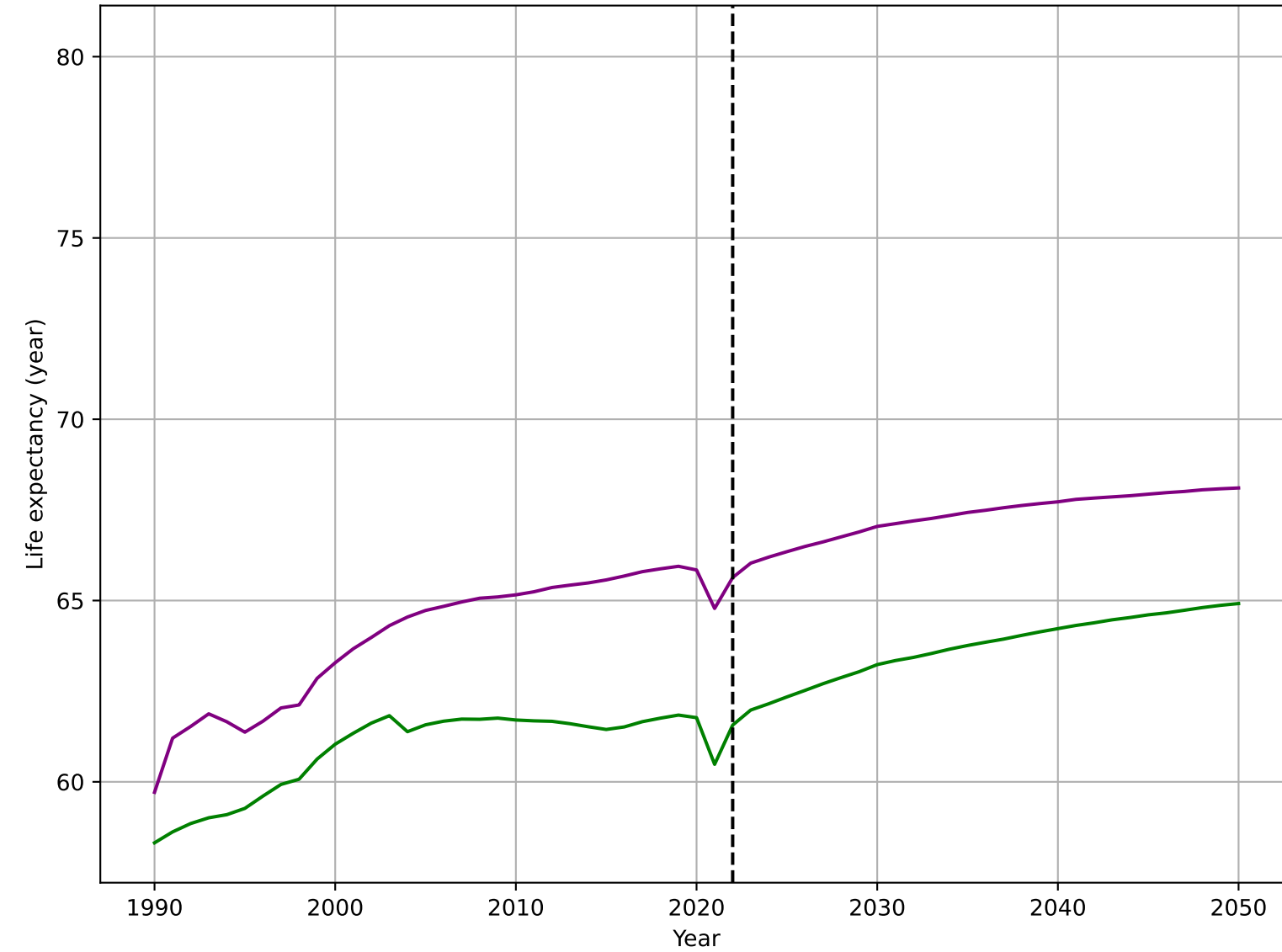


# Saint Kitts And Nevis

### Life Expectancy

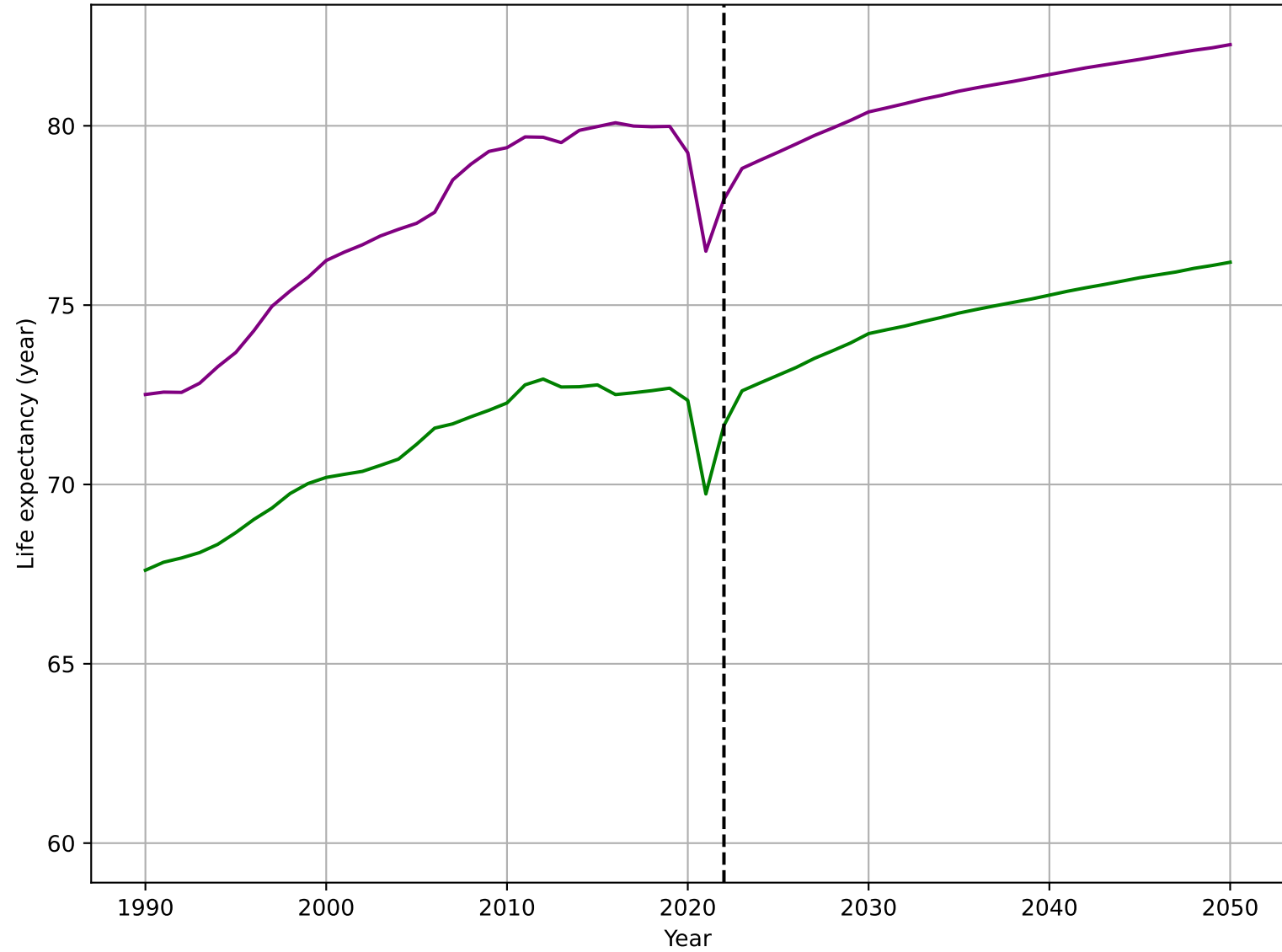


### Healthy Life Expectancy (HALE)

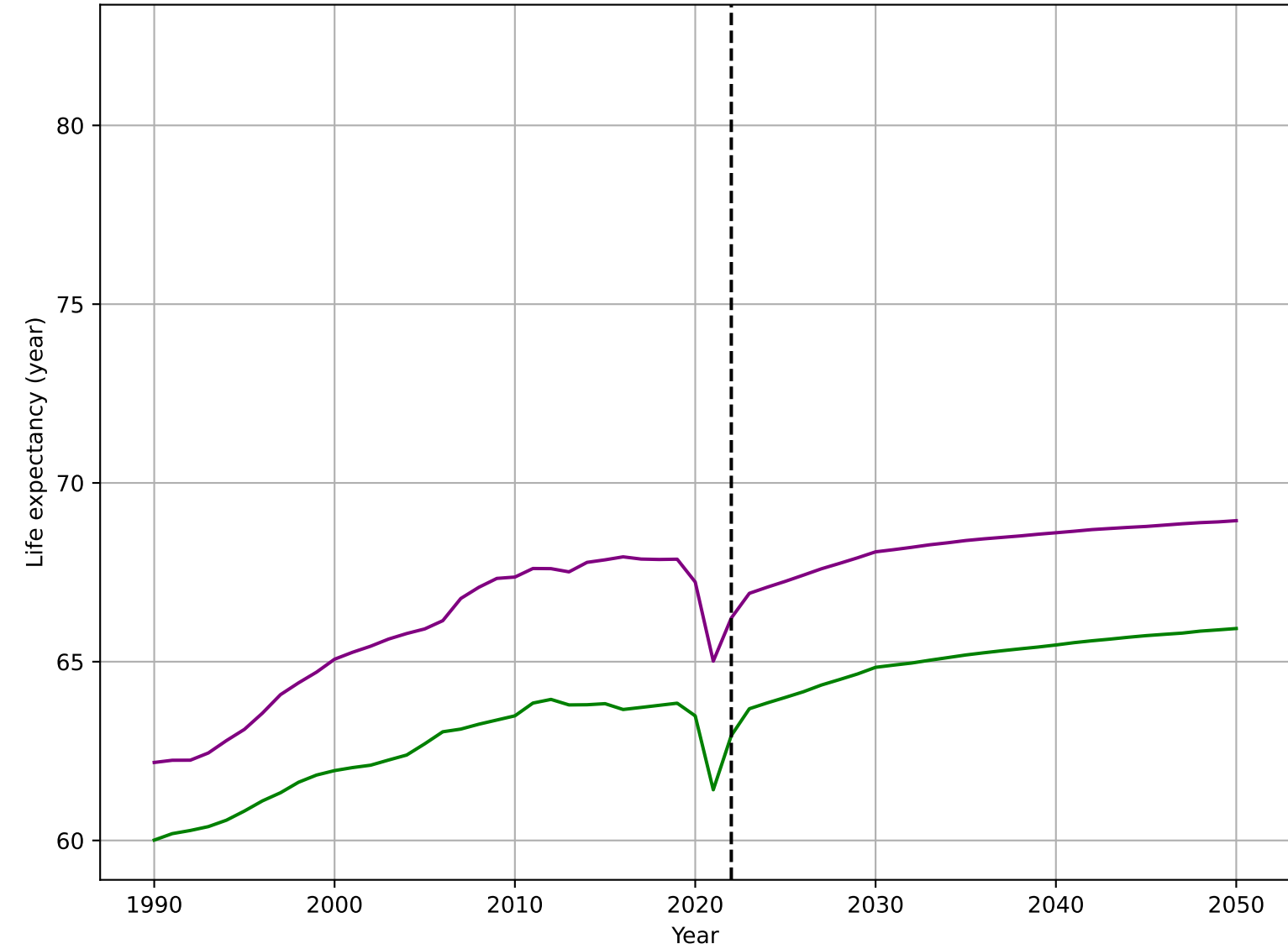


# Saint Lucia

### Life Expectancy



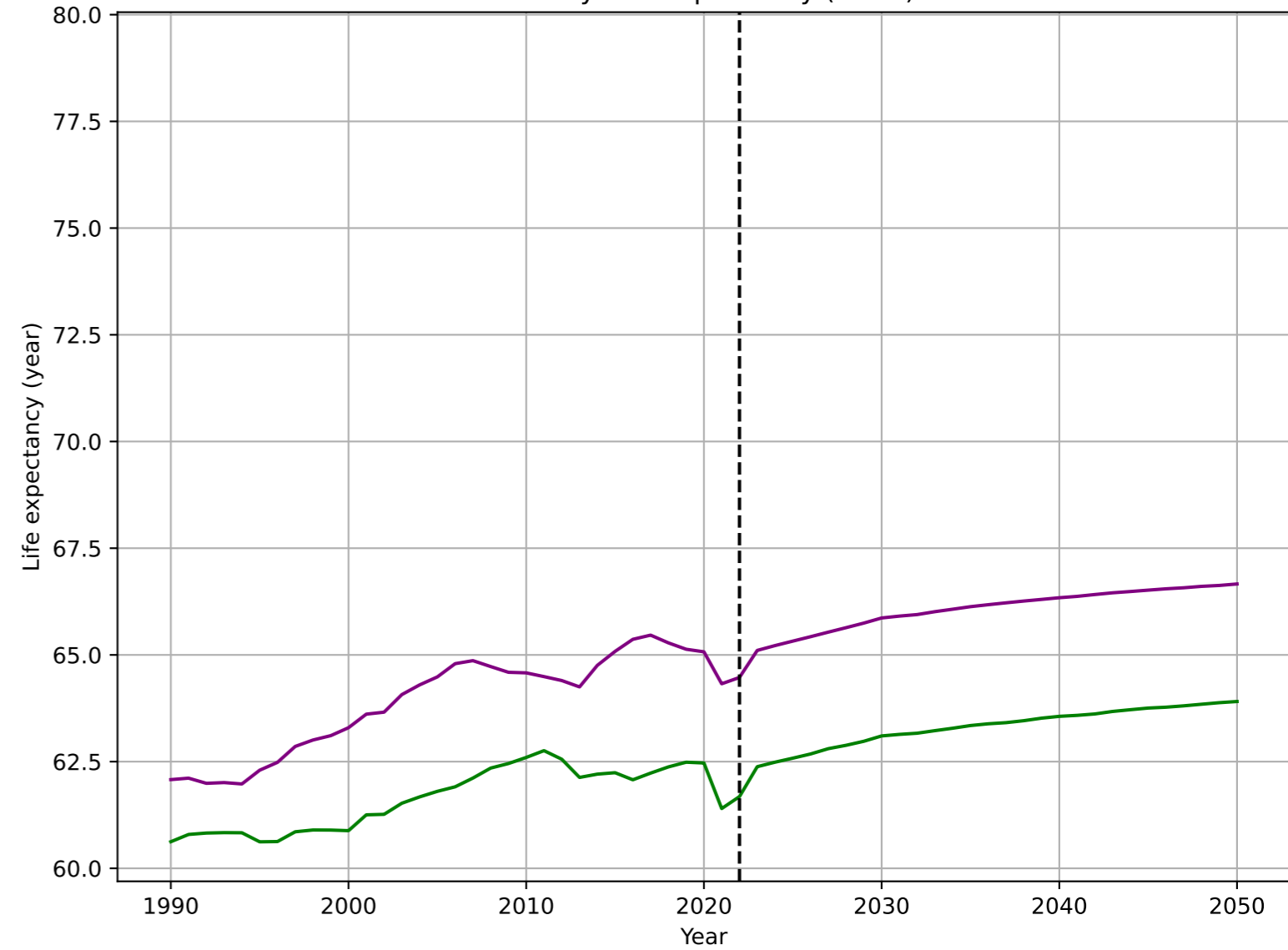
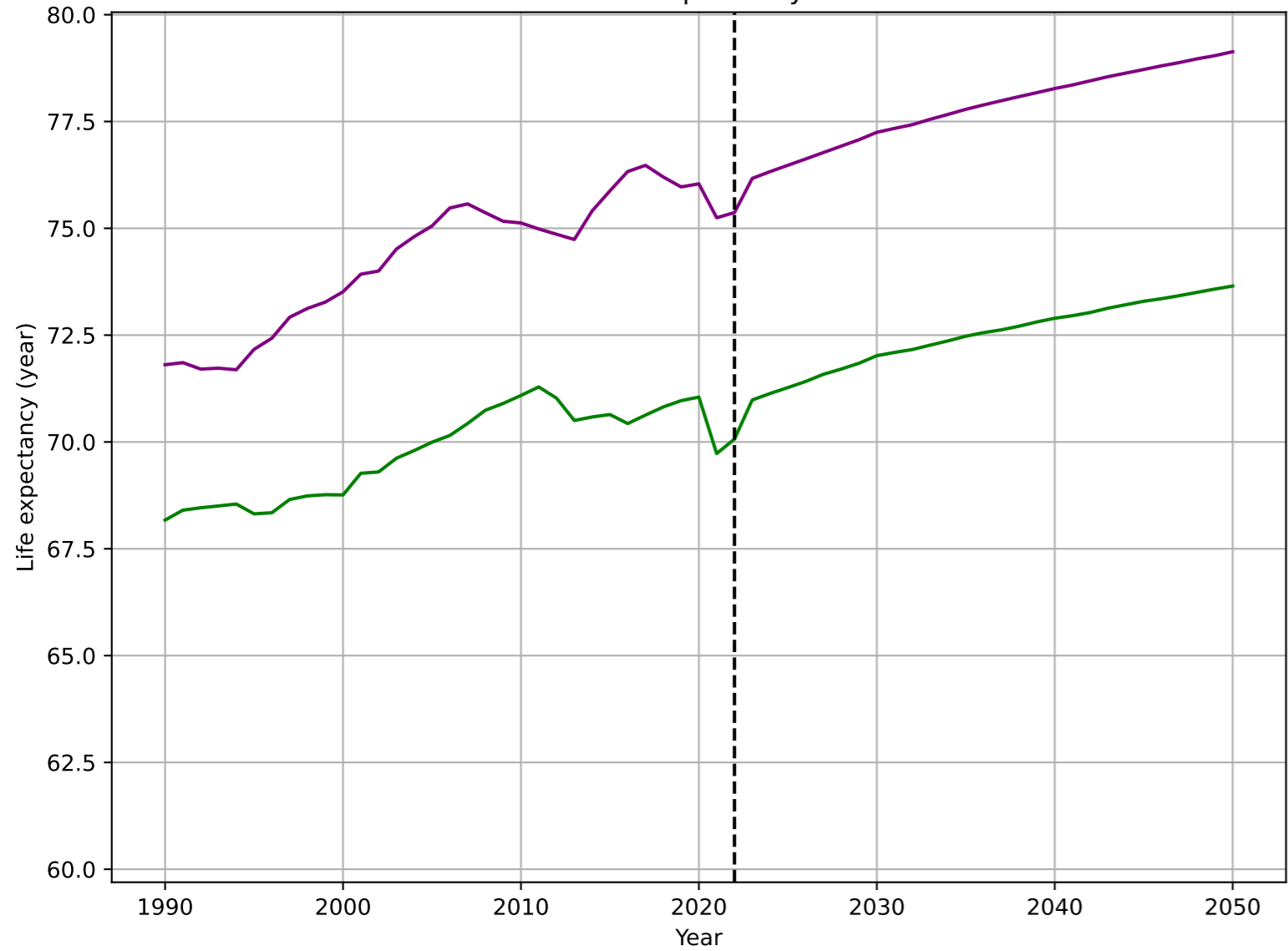
### Healthy Life Expectancy (HALE)



# Saint Vincent And The Grenadines

Life Expectancy

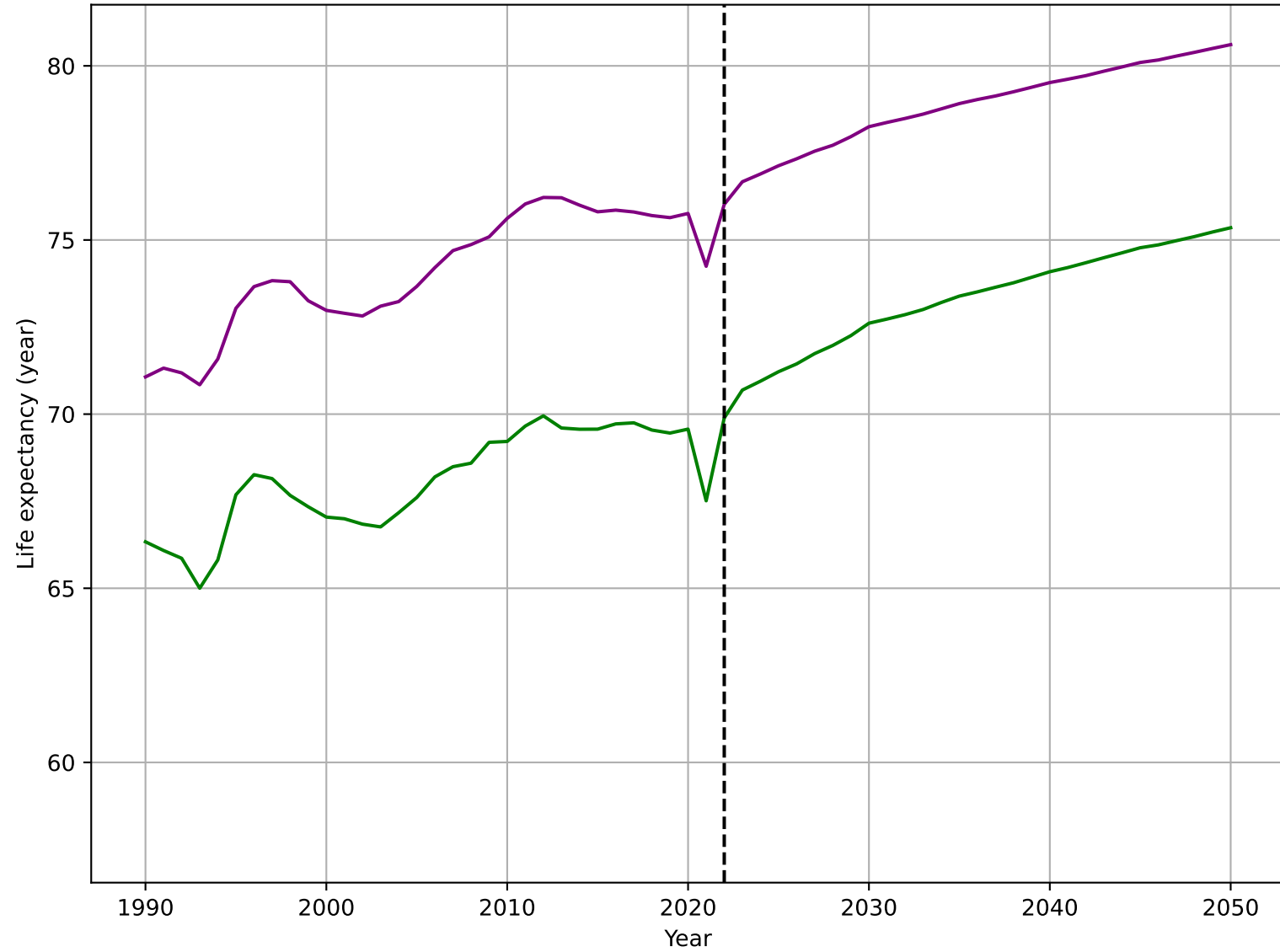
Healthy Life Expectancy (HALE)



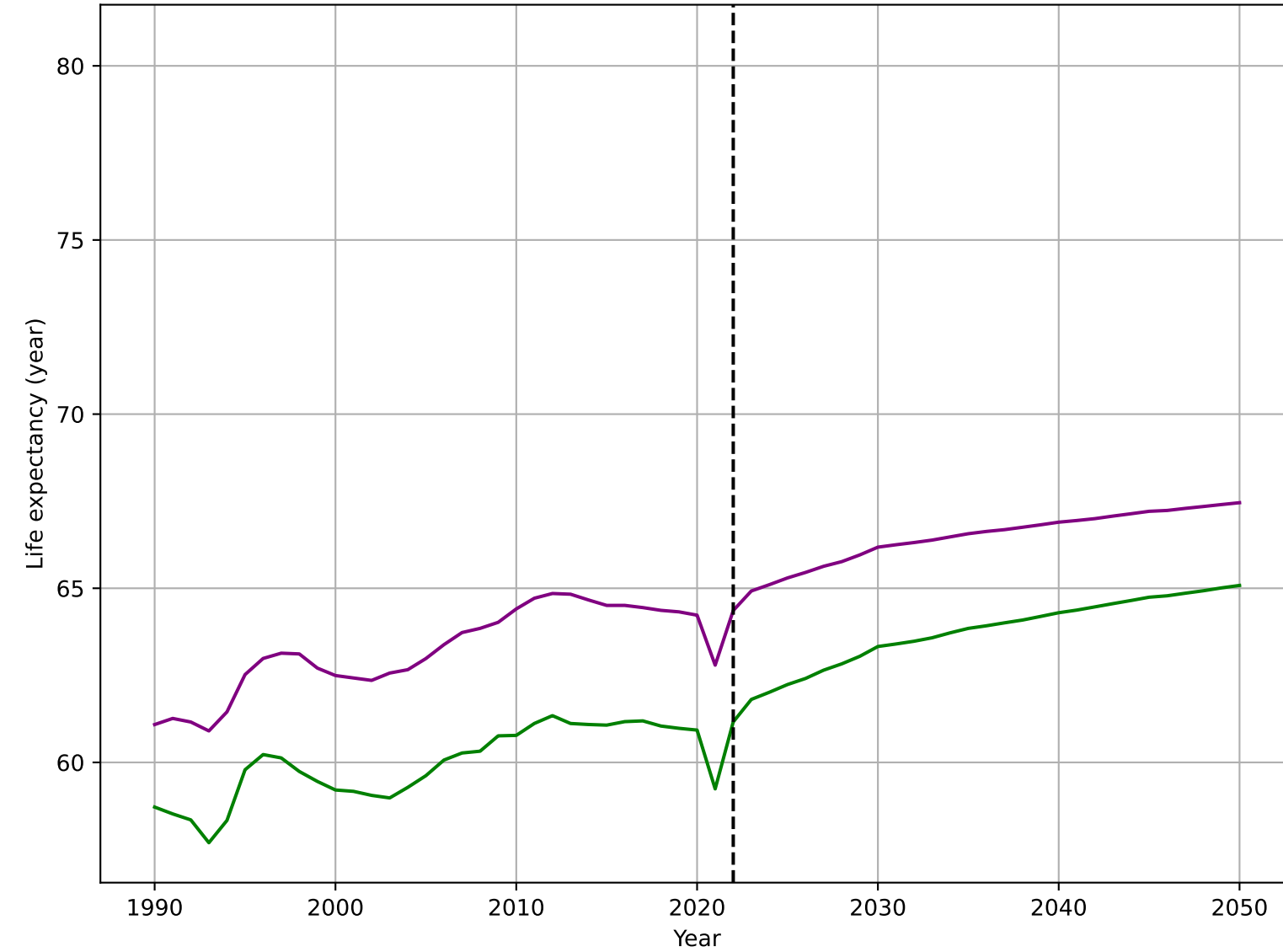


# Suriname

### Life Expectancy

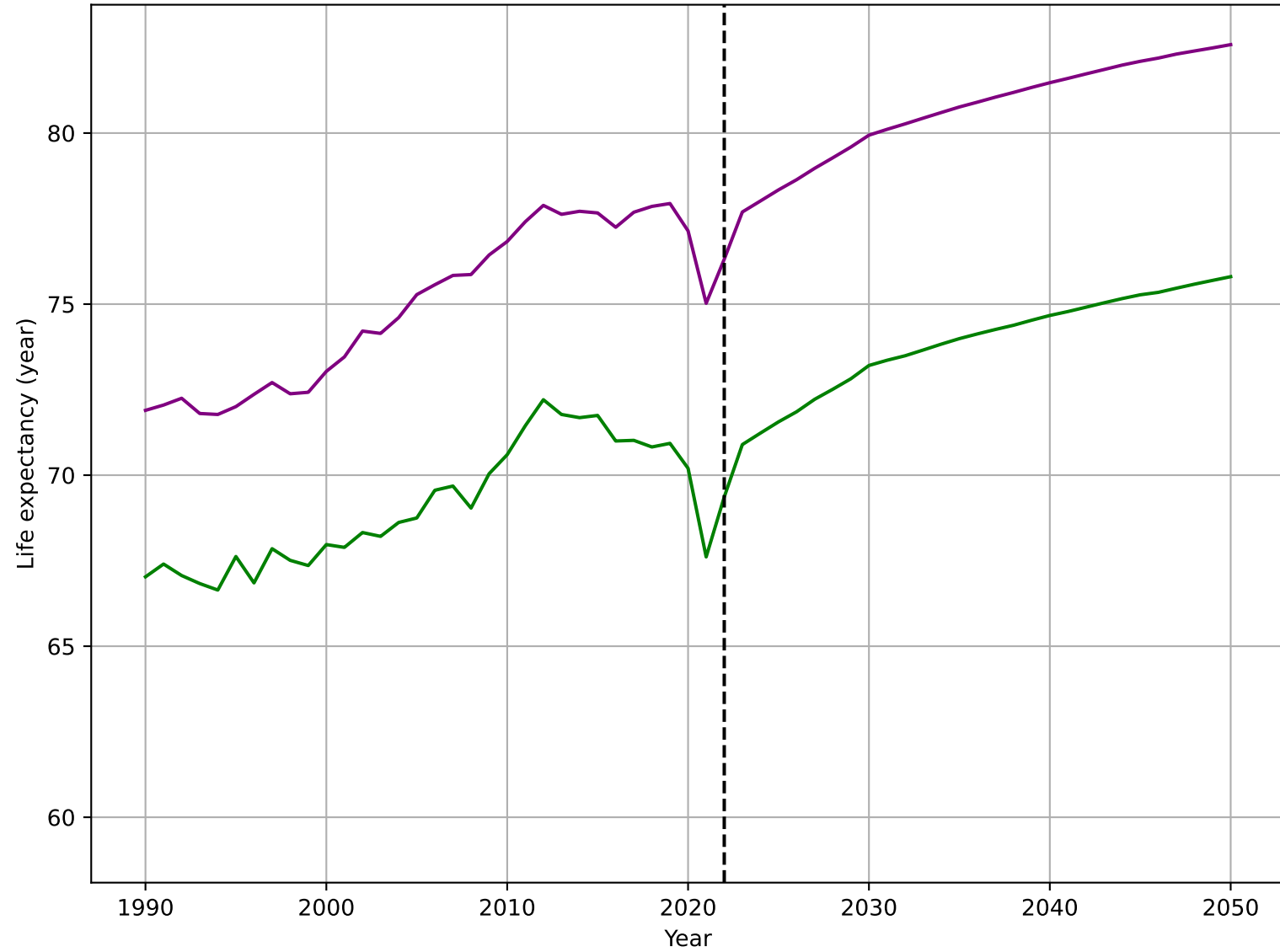


### Healthy Life Expectancy (HALE)

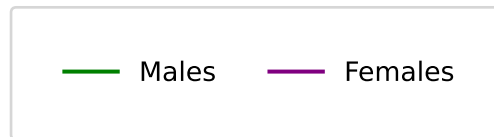
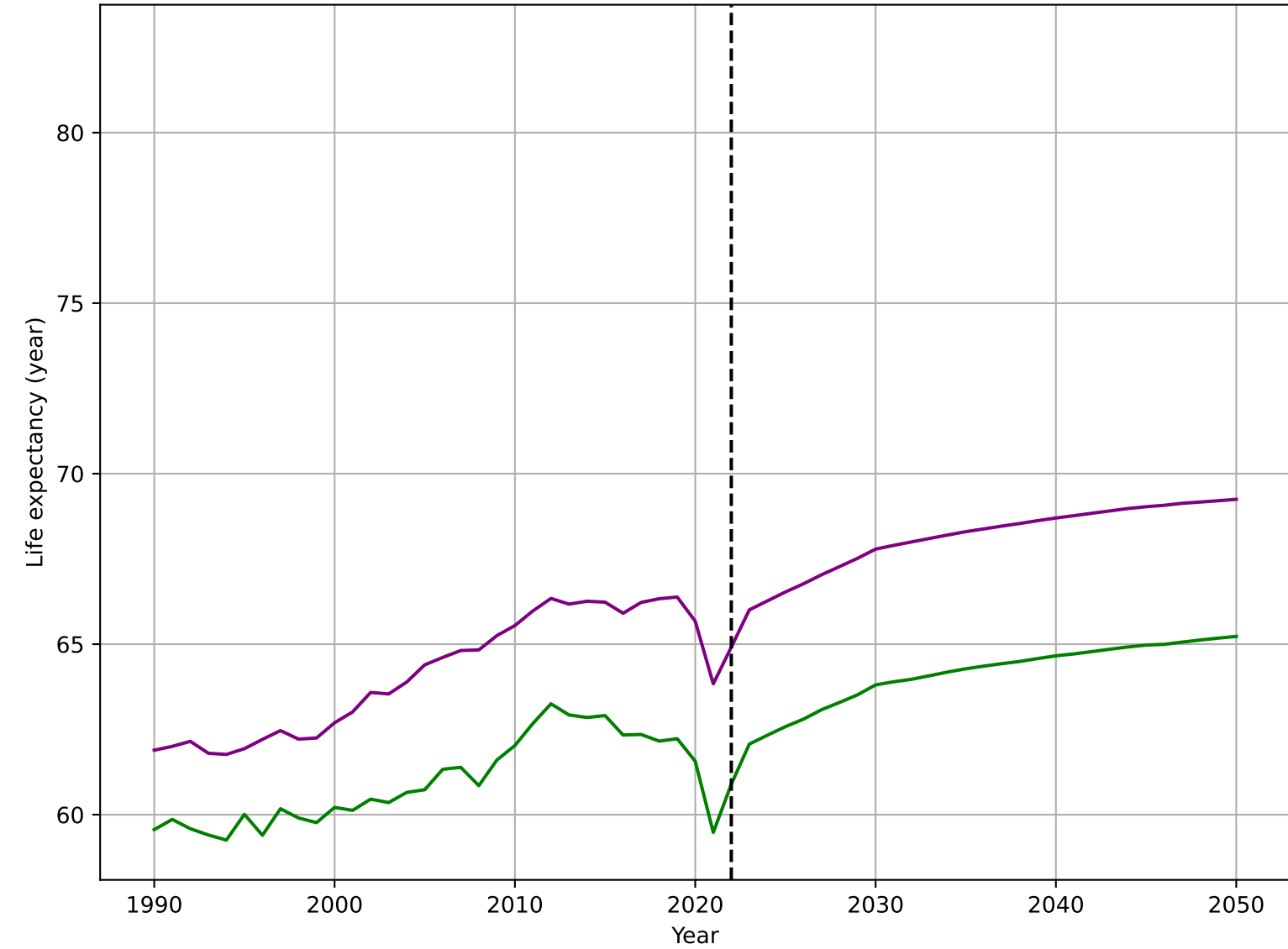


# Trinidad And Tobago

## Life Expectancy

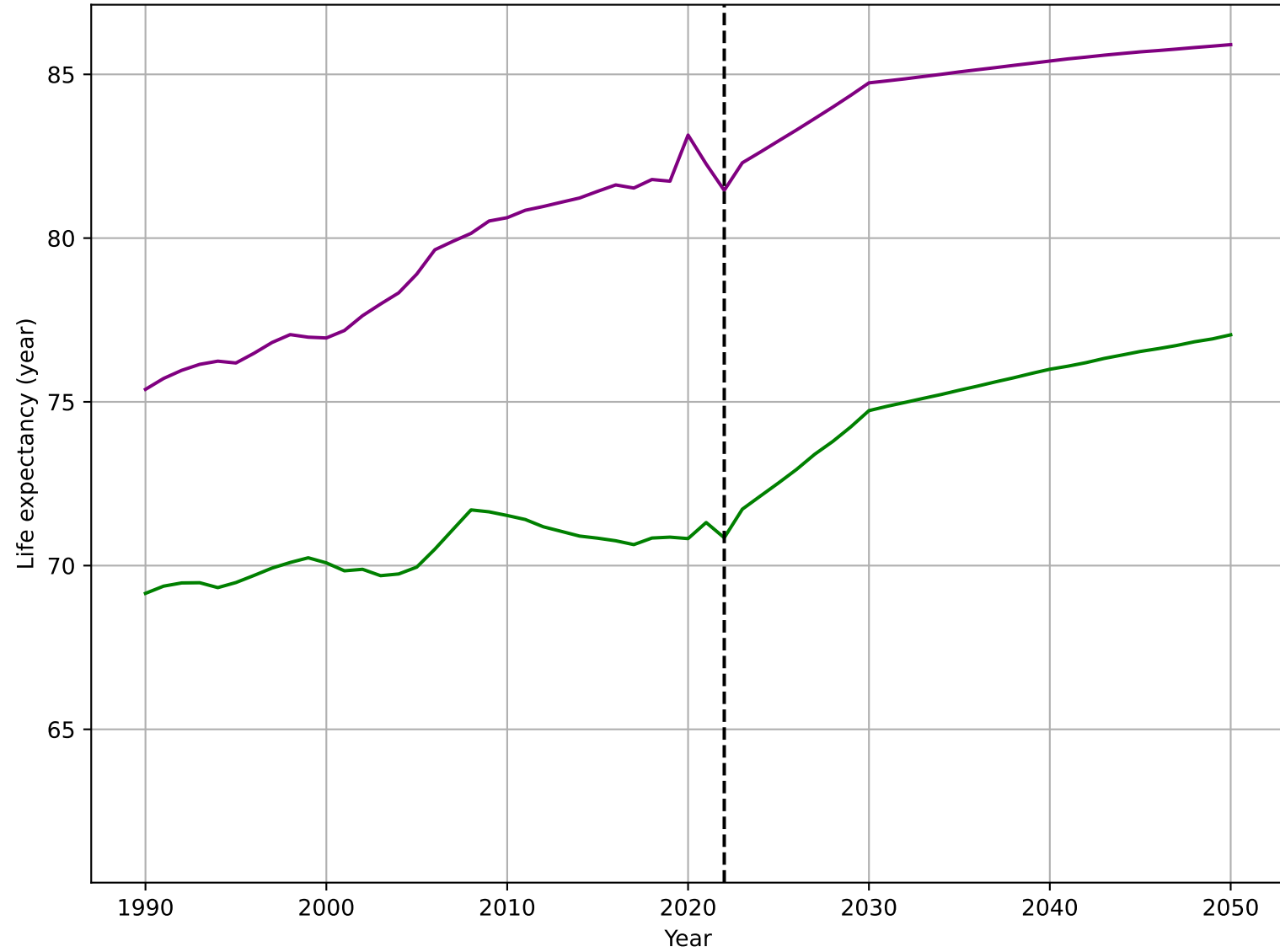


## Healthy Life Expectancy (HALE)

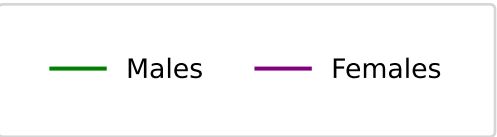
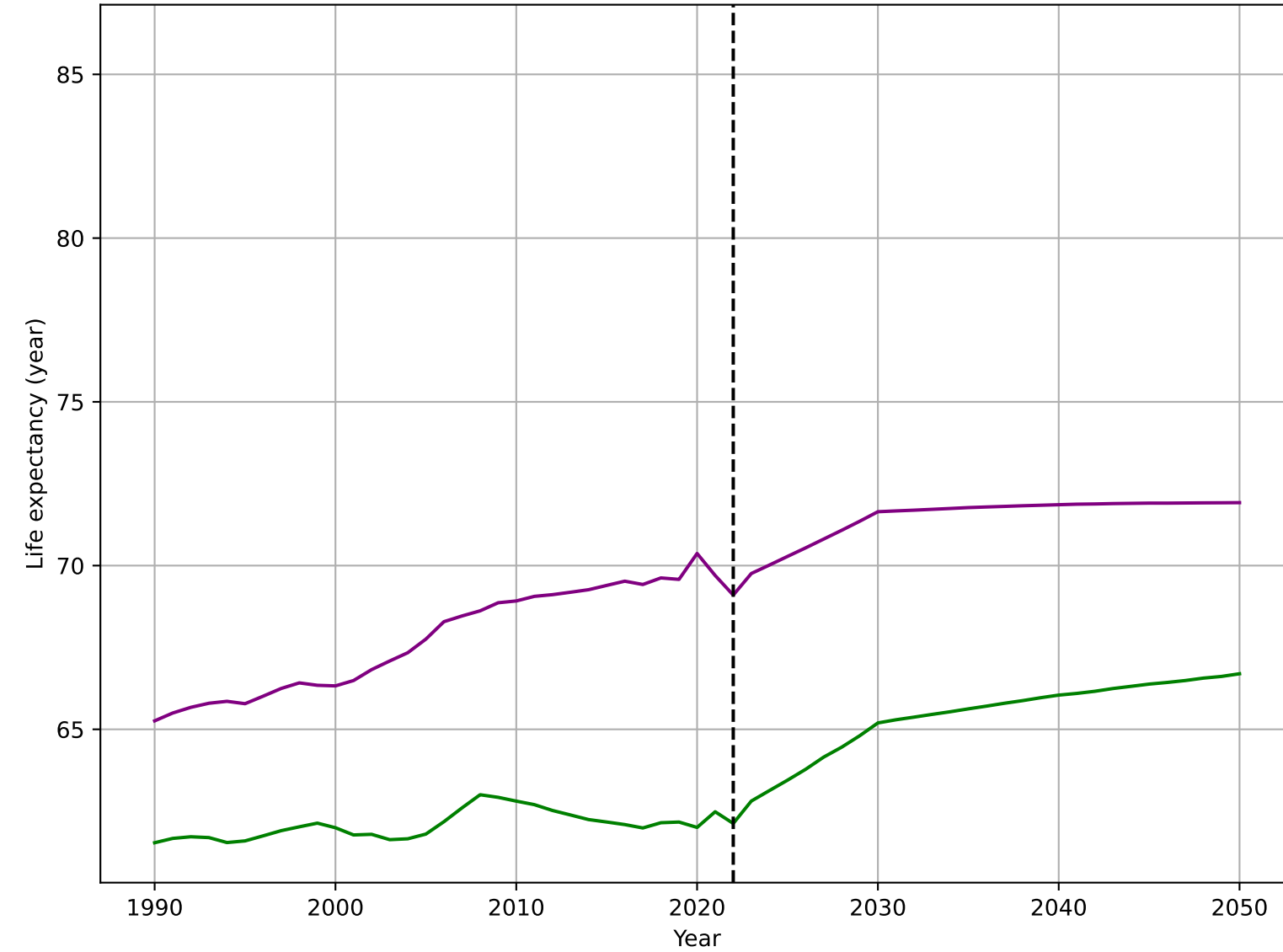


# Virgin Islands

### Life Expectancy

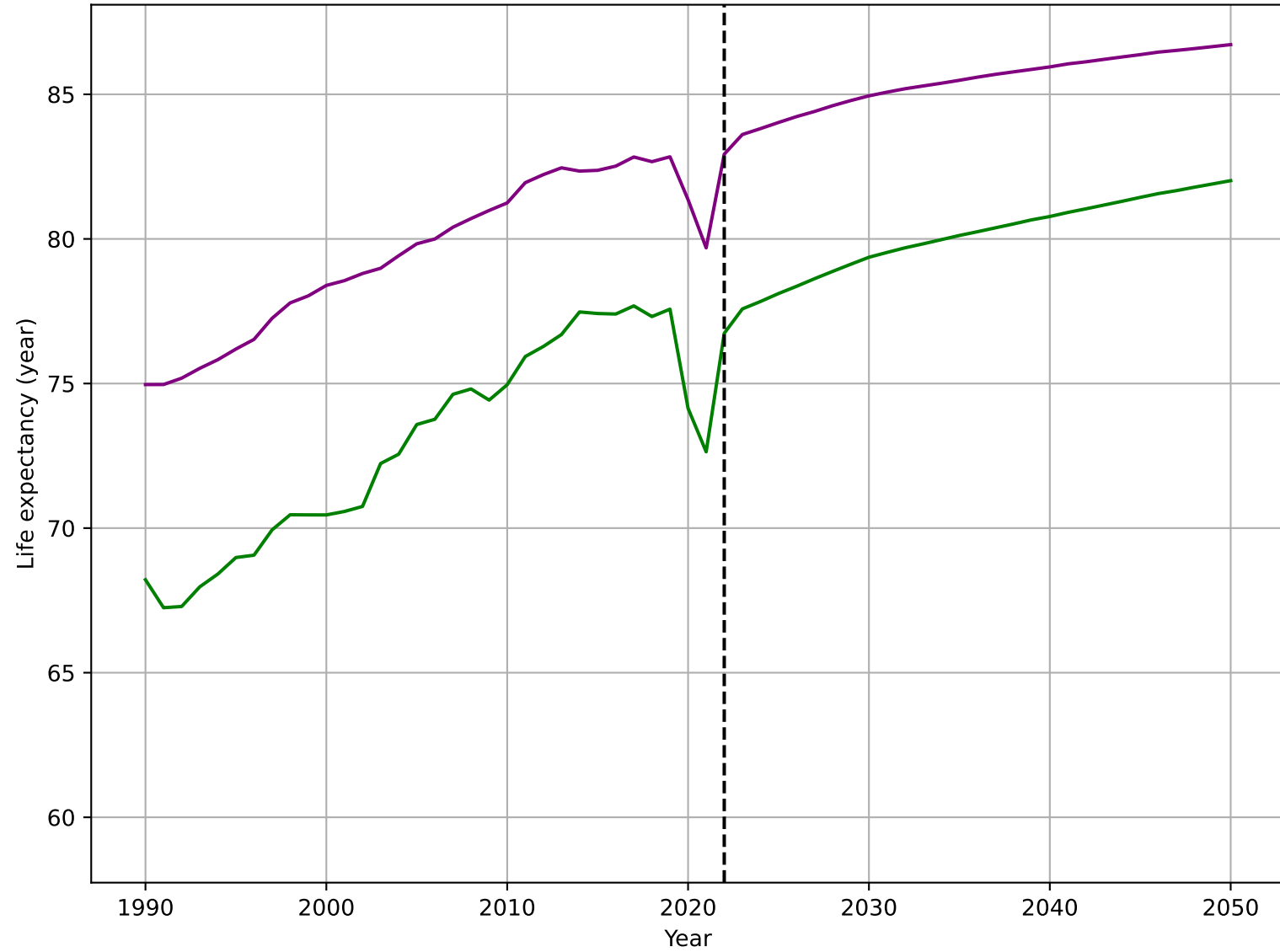


### Healthy Life Expectancy (HALE)

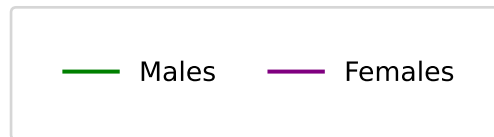
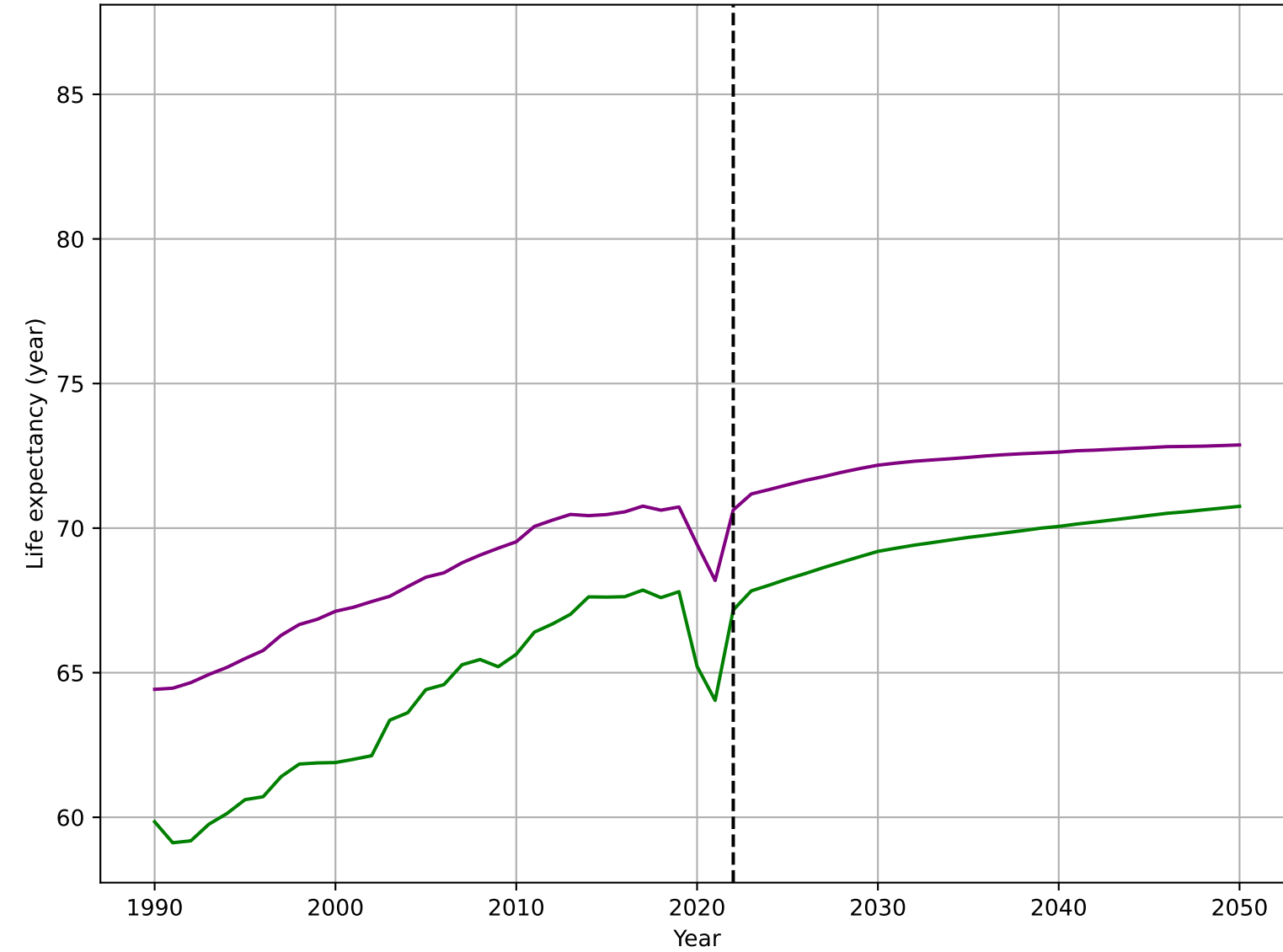


# Colombia

### Life Expectancy

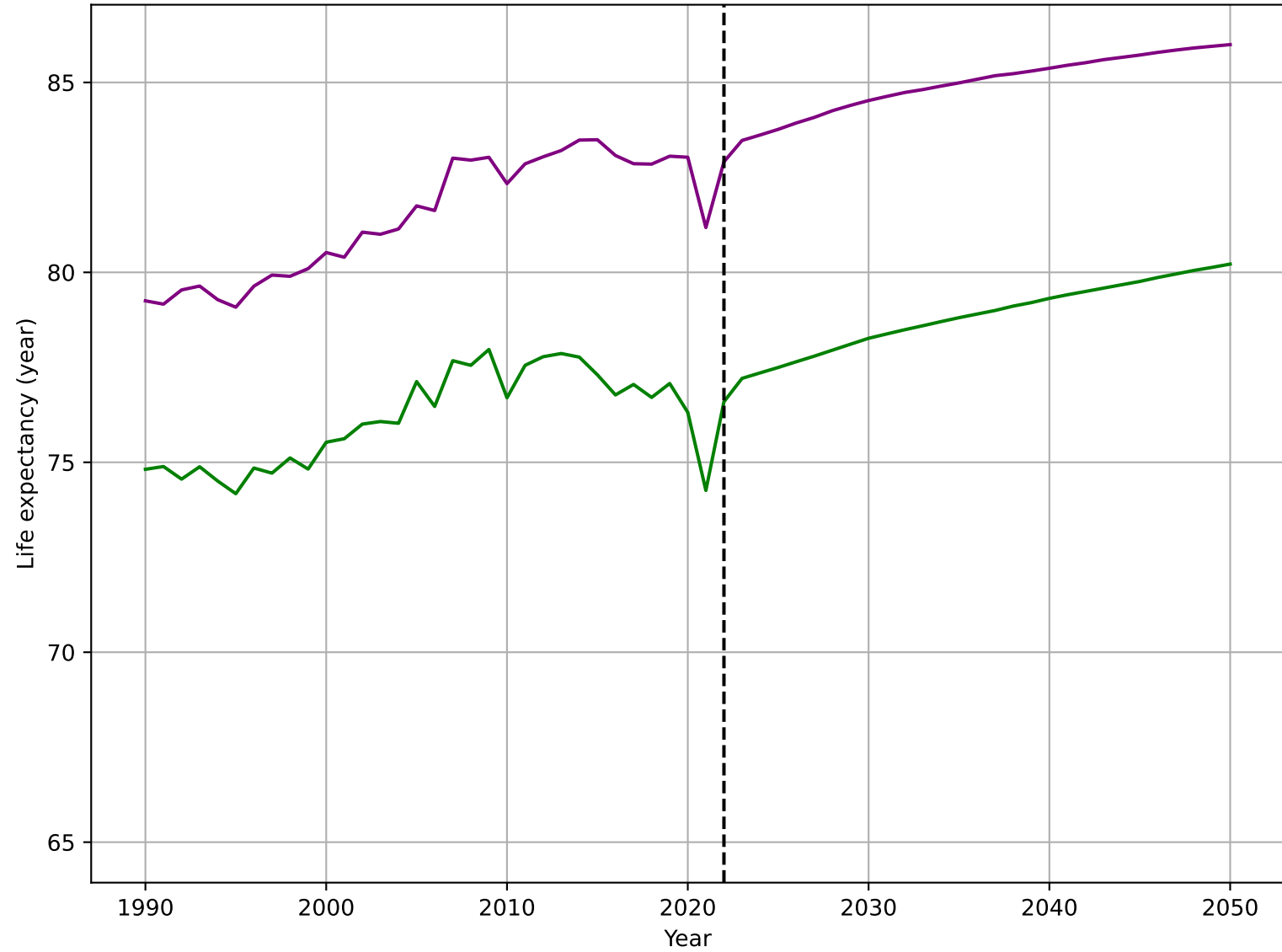


### Healthy Life Expectancy (HALE)

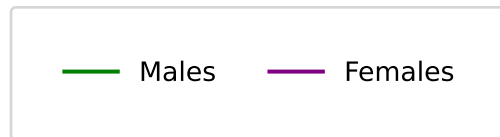
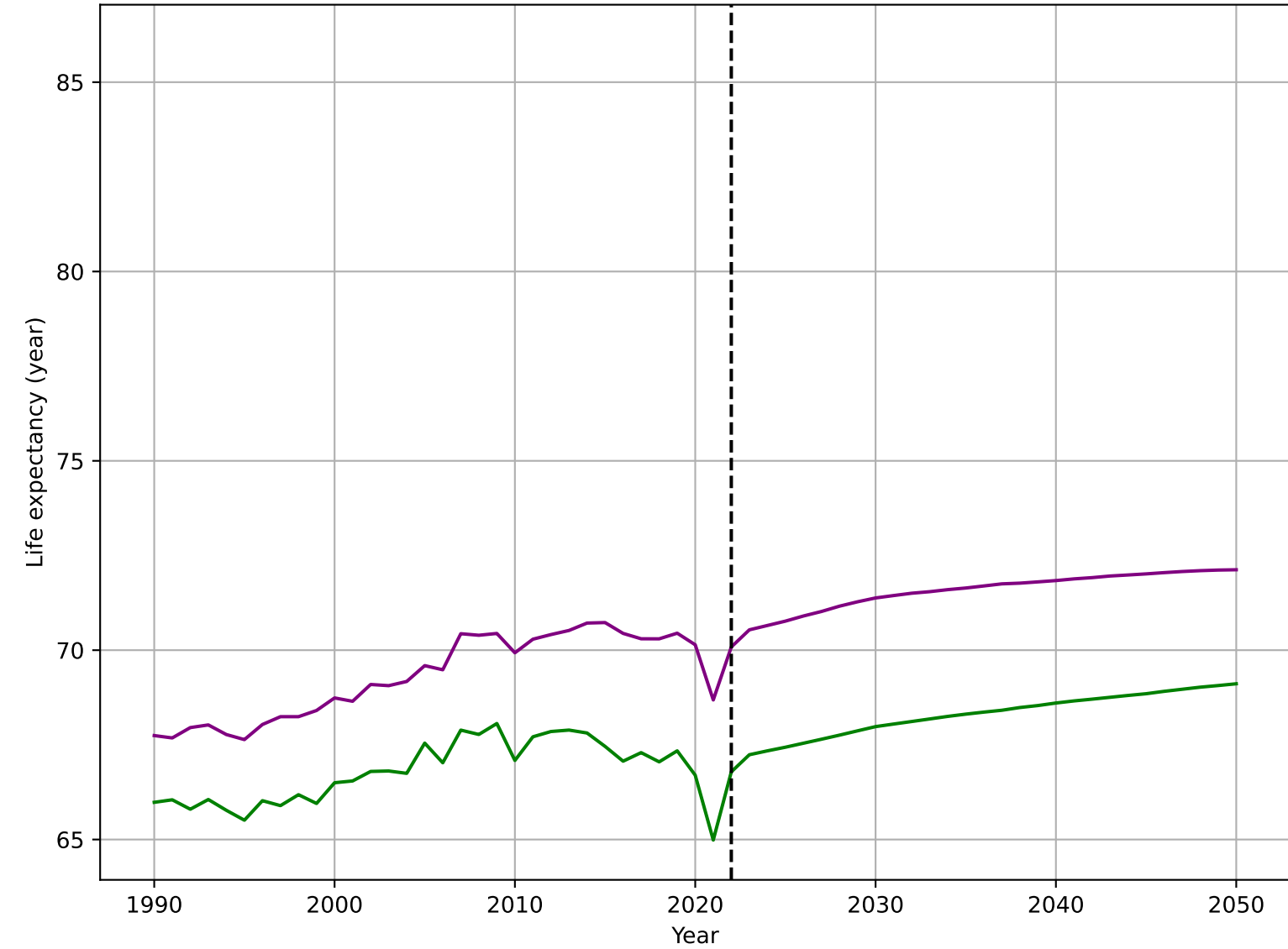


# Costa Rica

## Life Expectancy

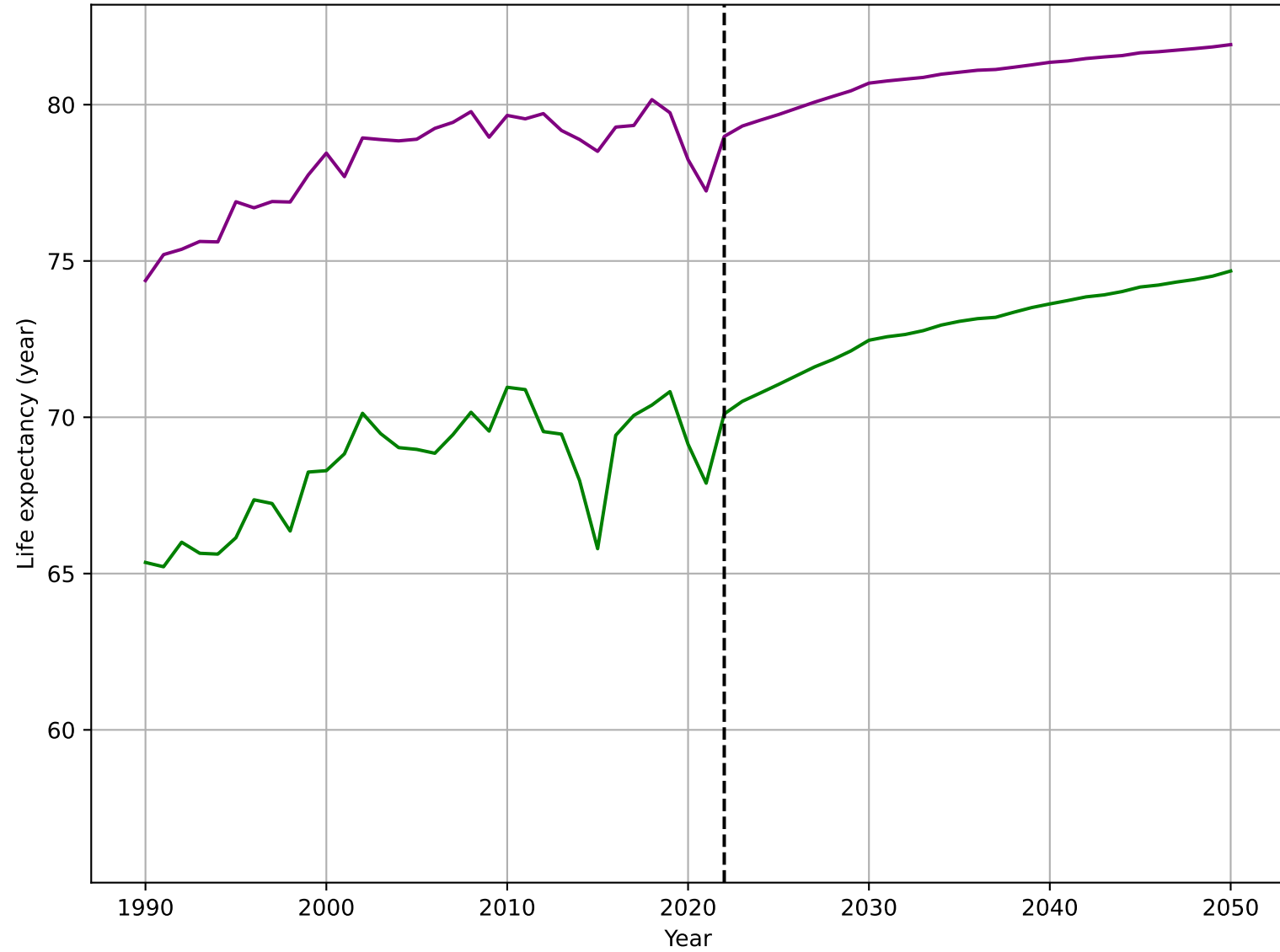


## Healthy Life Expectancy (HALE)

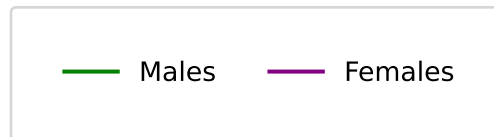
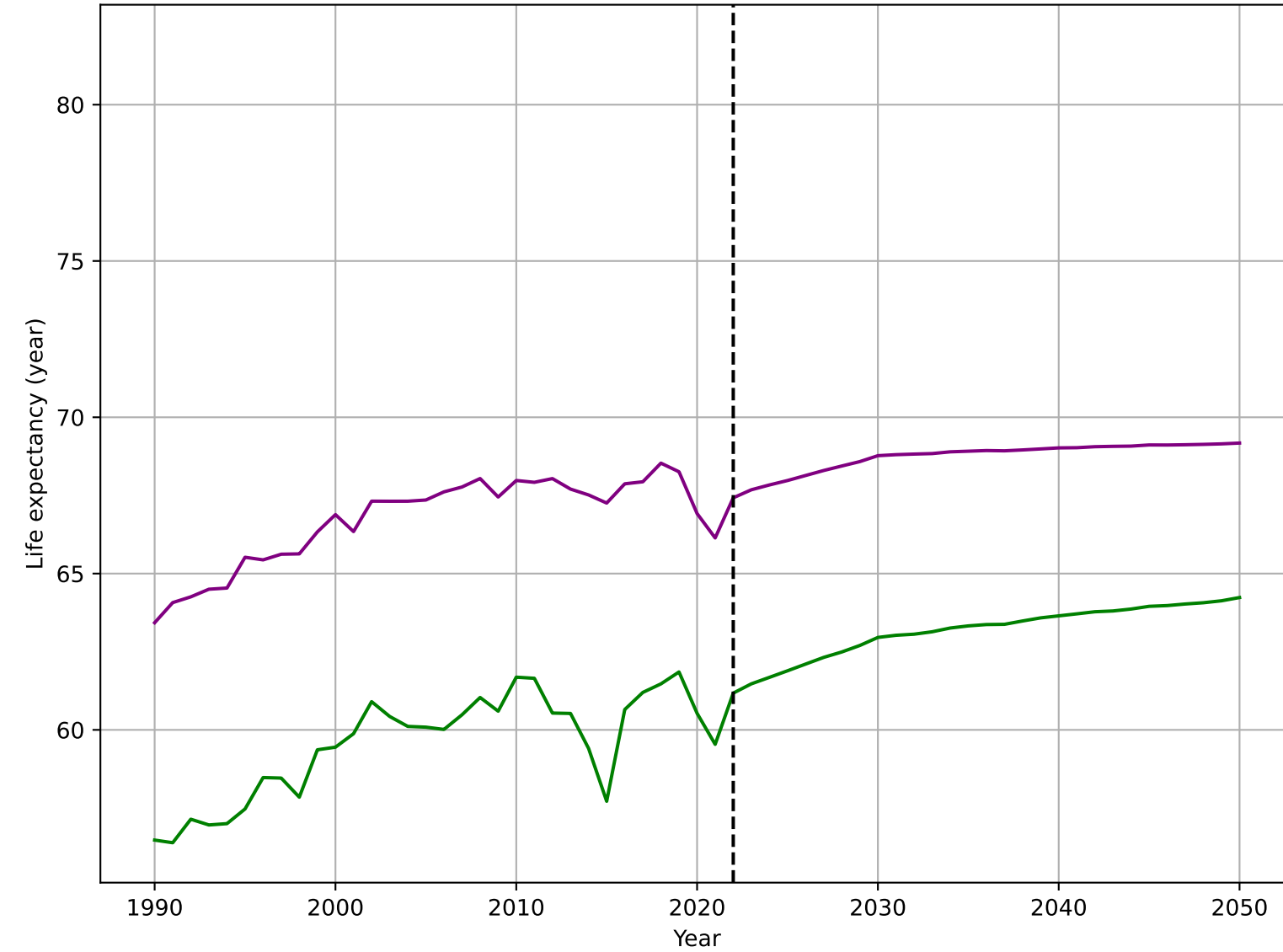


# El Salvador

### Life Expectancy

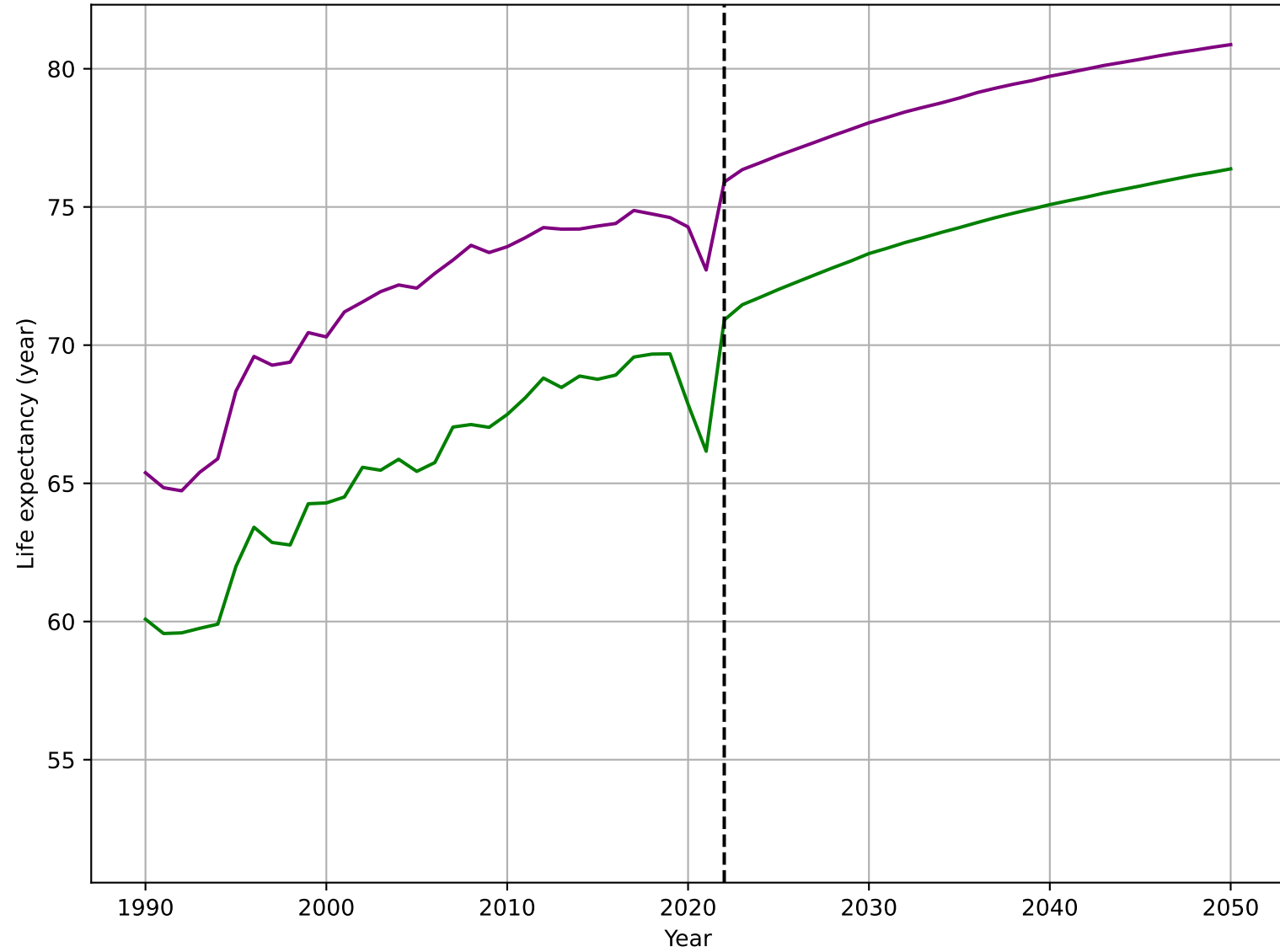


### Healthy Life Expectancy (HALE)

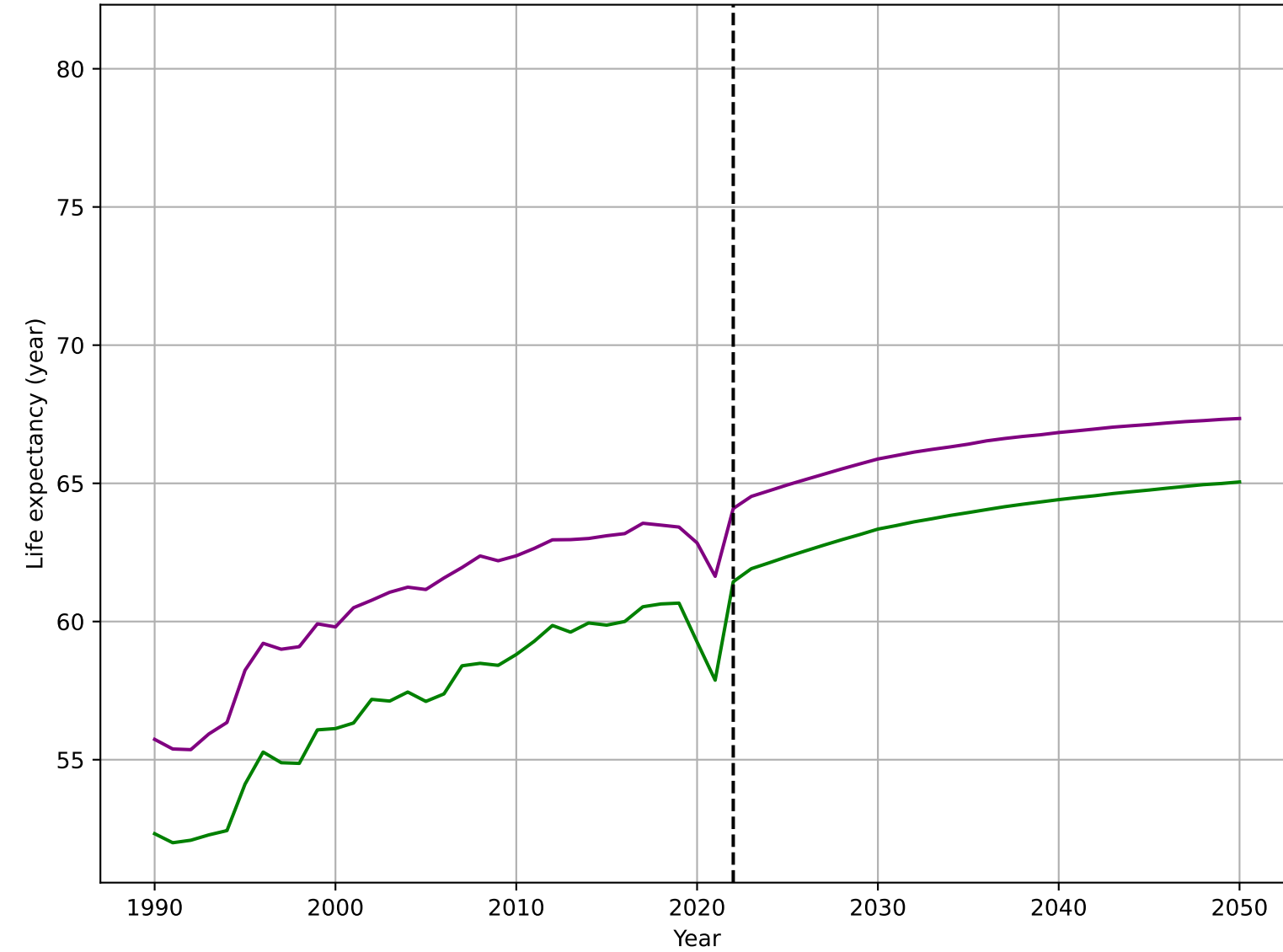


# Guatemala

### Life Expectancy

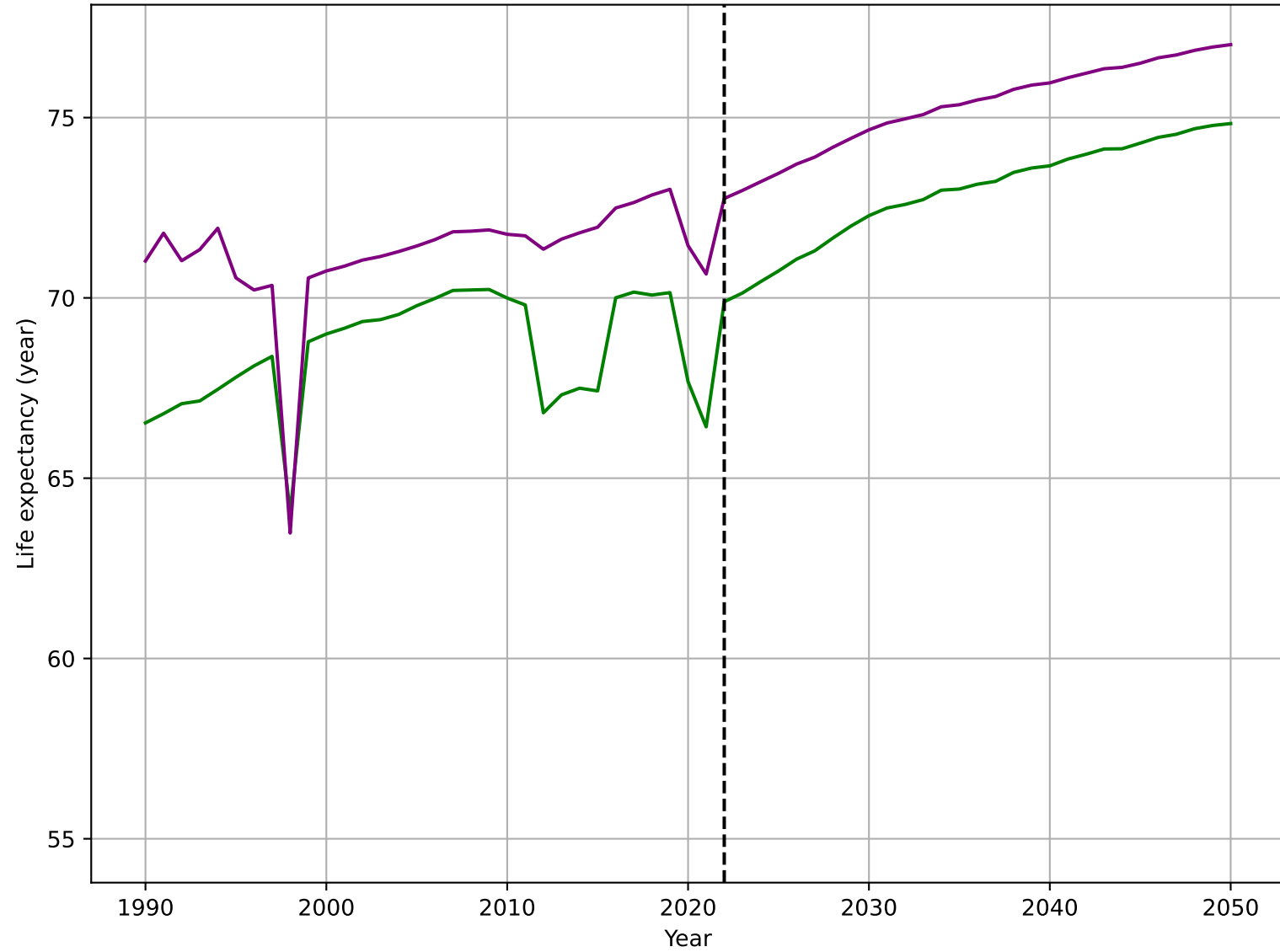


### Healthy Life Expectancy (HALE)

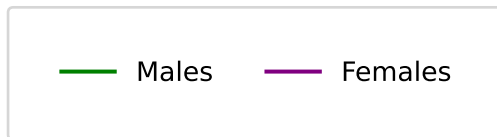
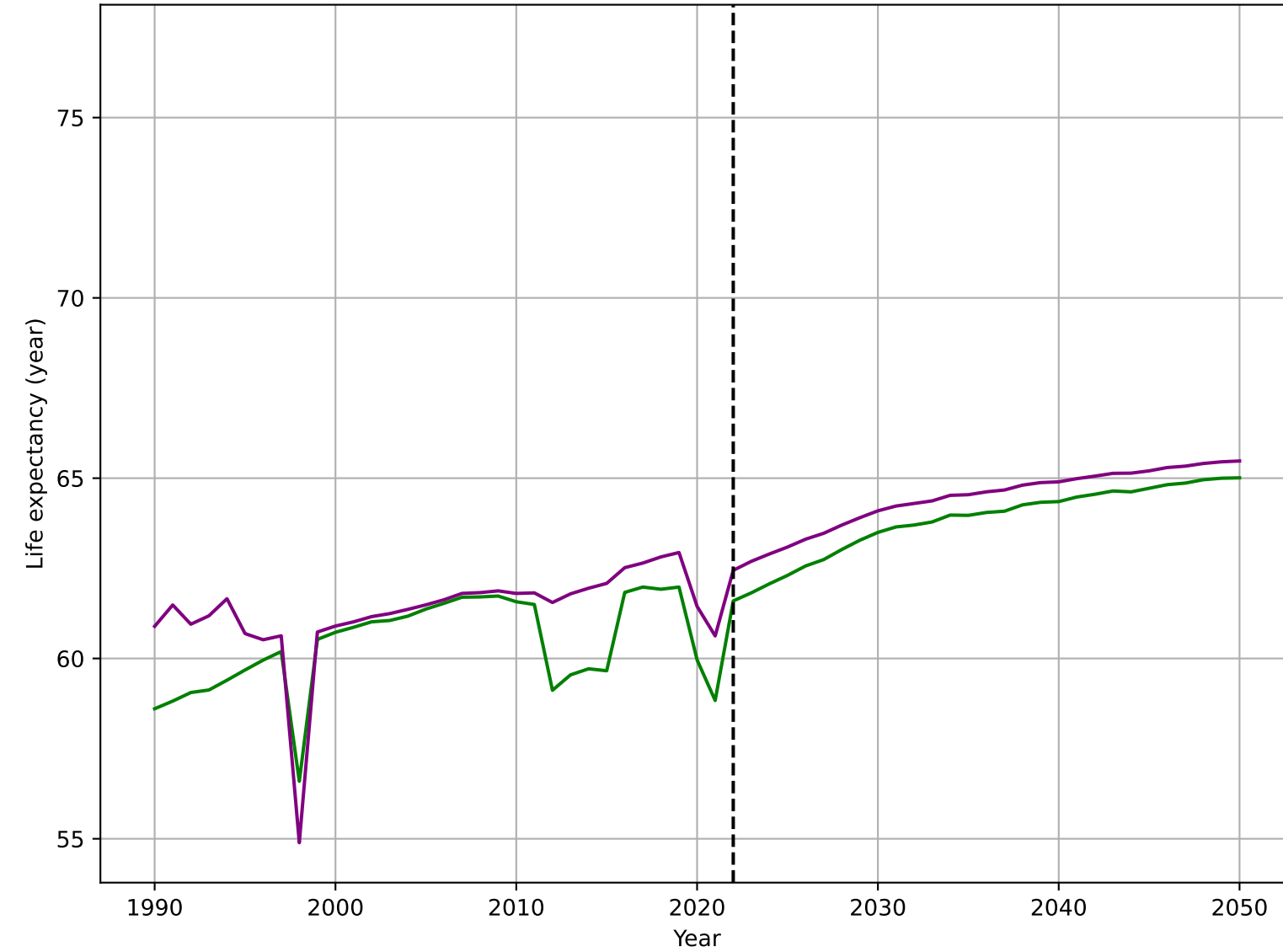


# Honduras

### Life Expectancy



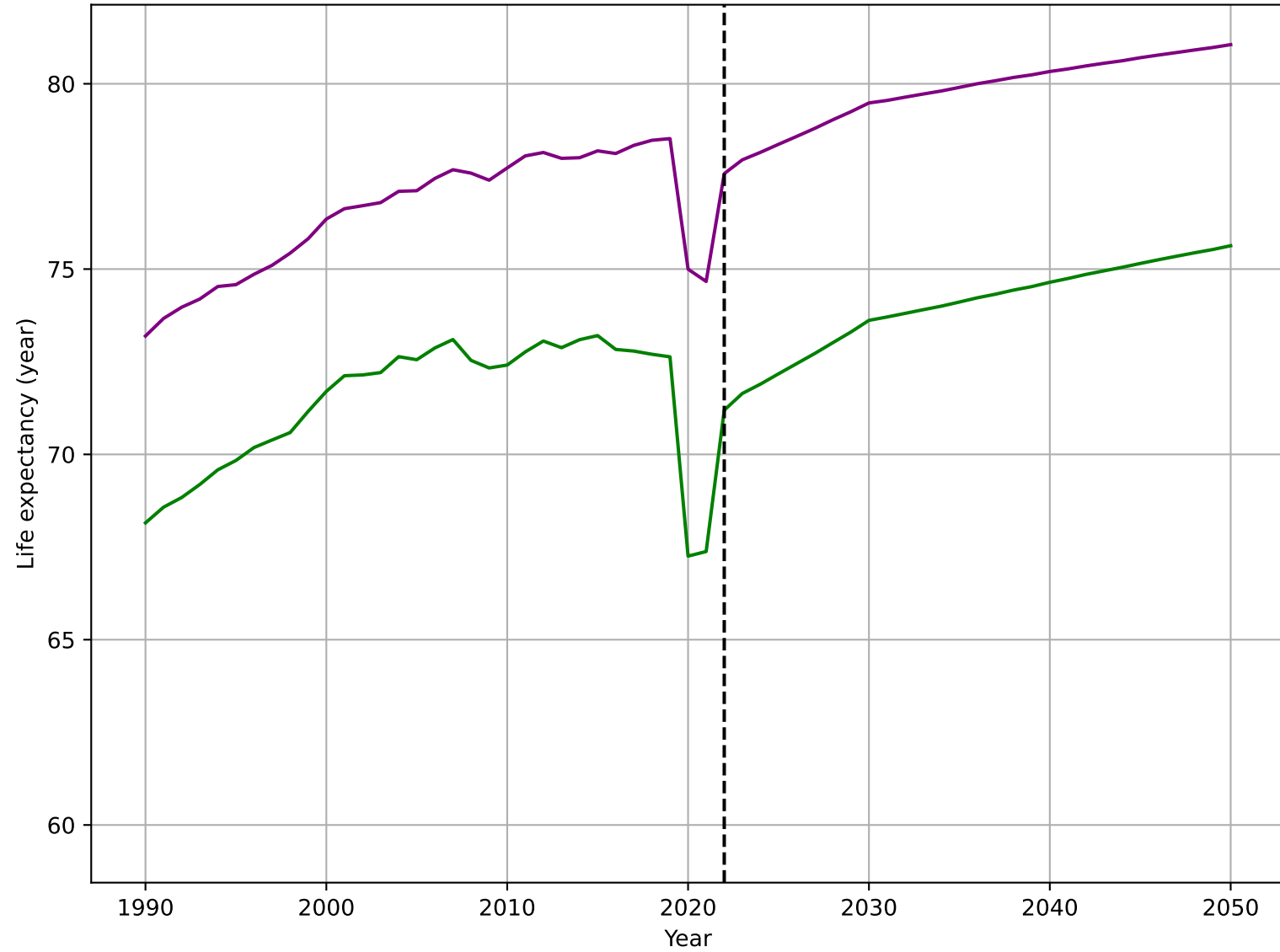
### Healthy Life Expectancy (HALE)



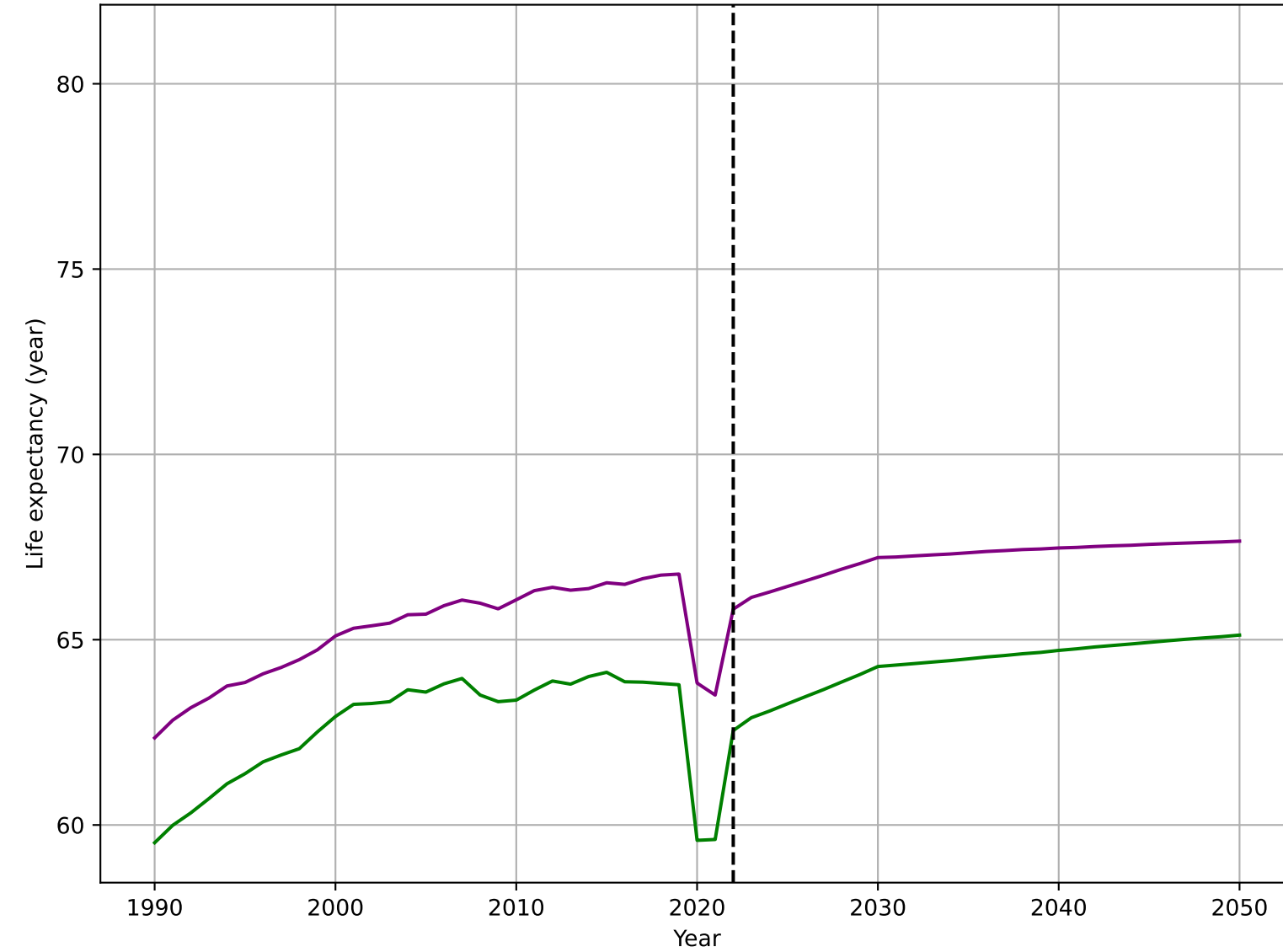


# Mexico

### Life Expectancy

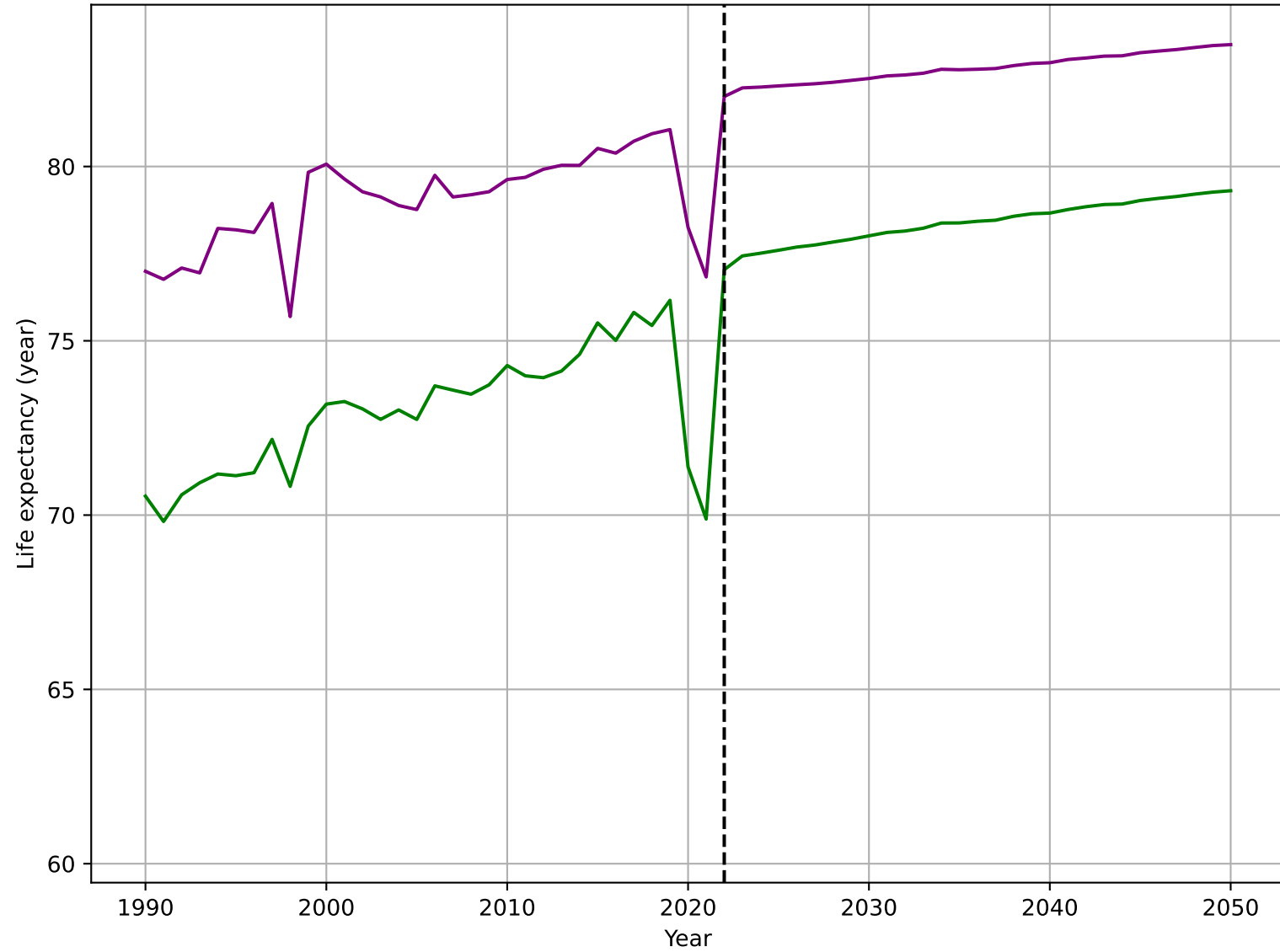


### Healthy Life Expectancy (HALE)

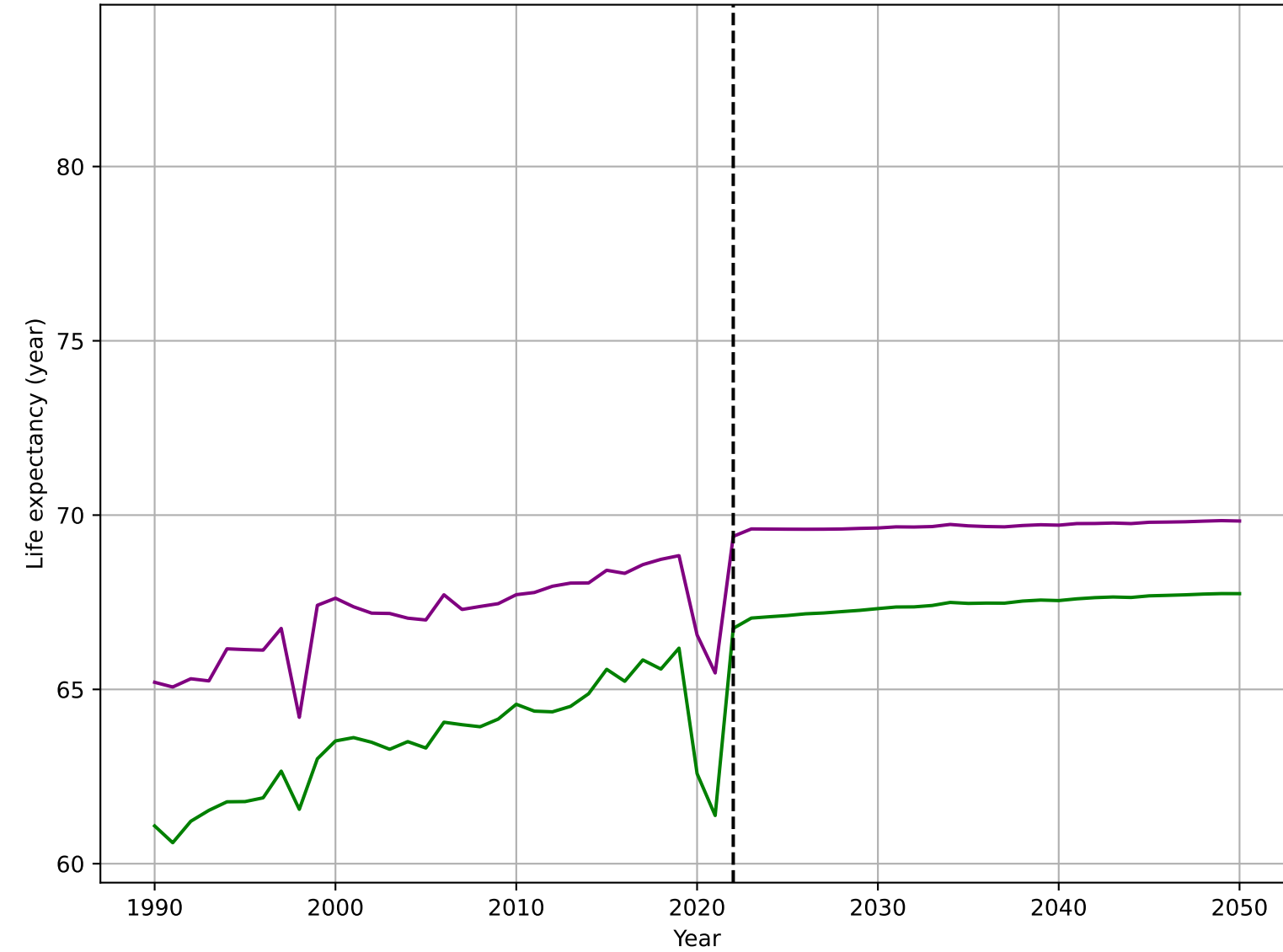


# Nicaragua

### Life Expectancy

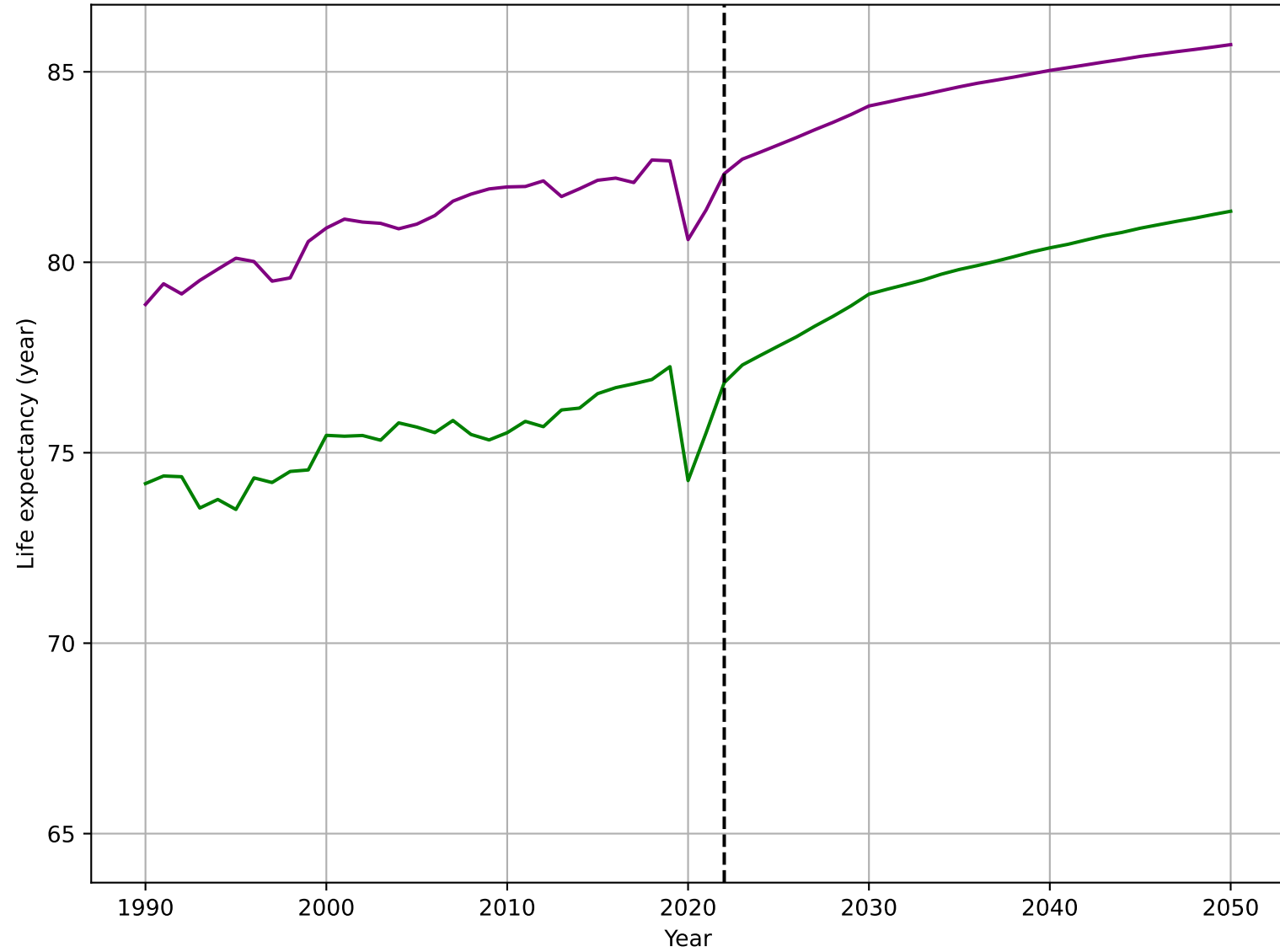


### Healthy Life Expectancy (HALE)

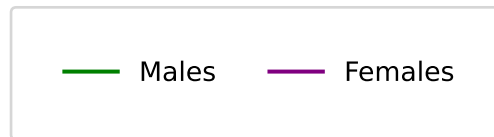
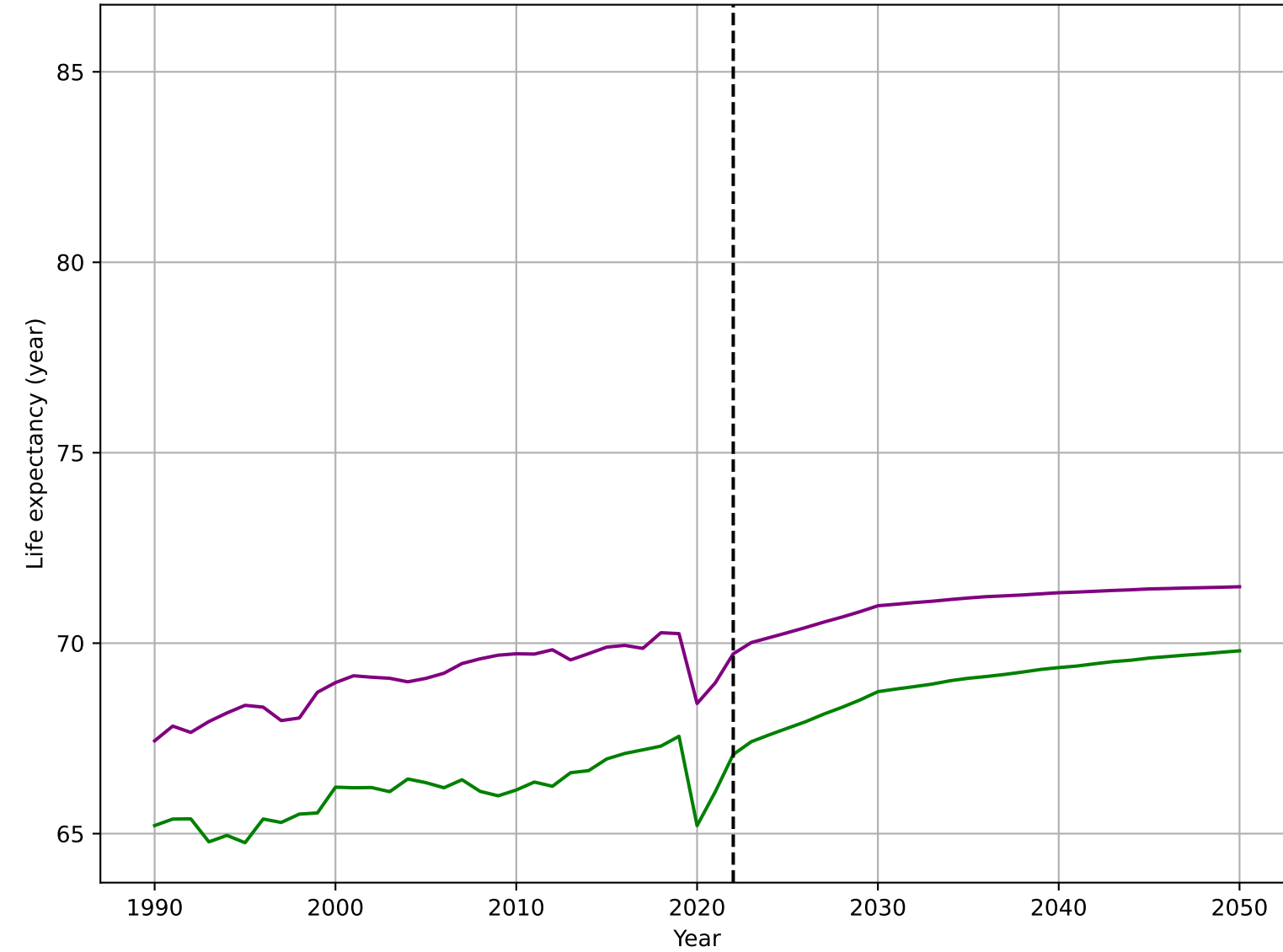


# Panama

### Life Expectancy

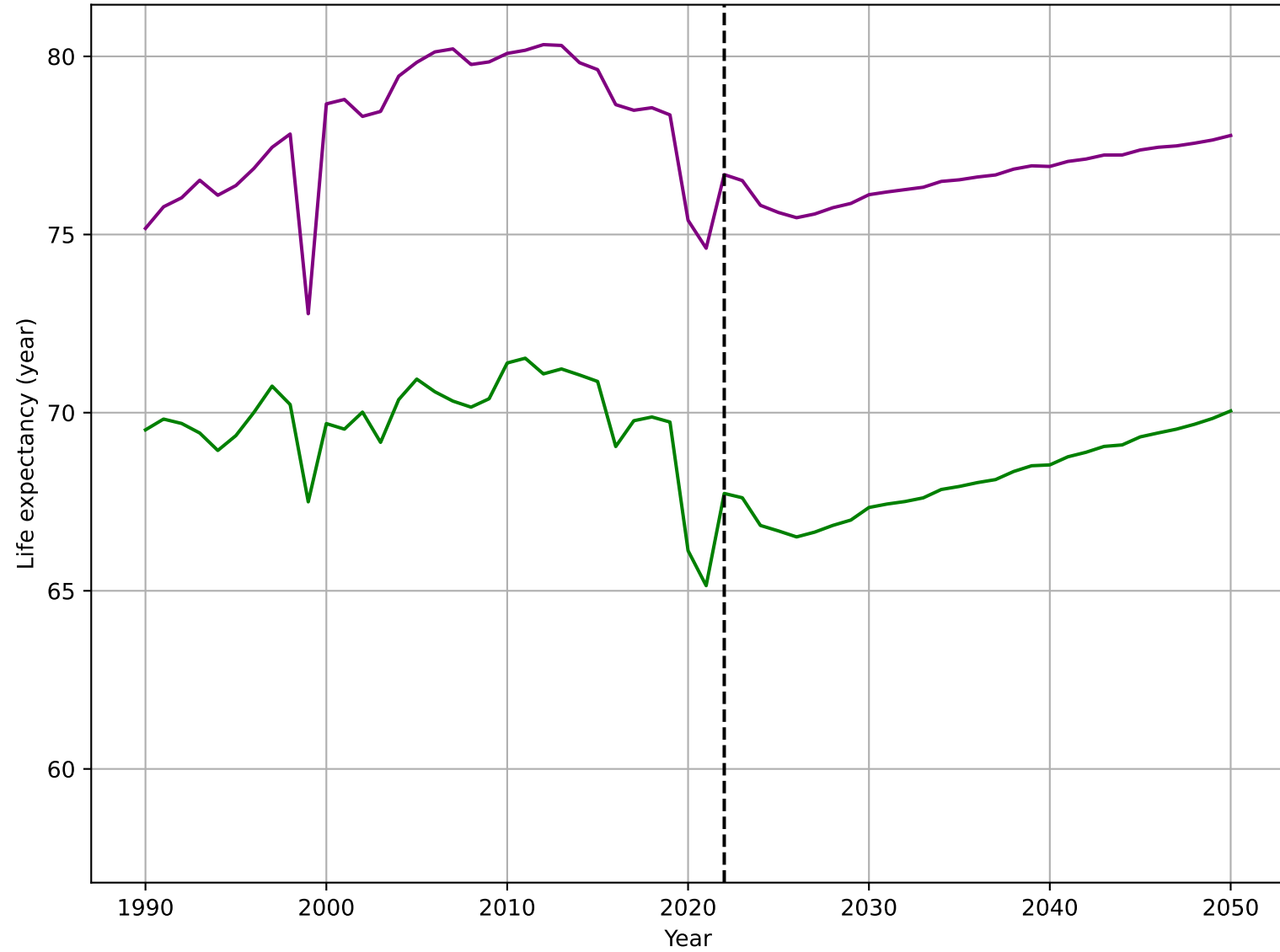


### Healthy Life Expectancy (HALE)

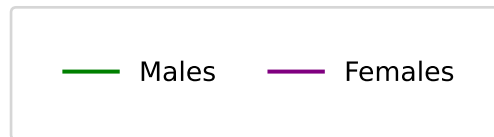
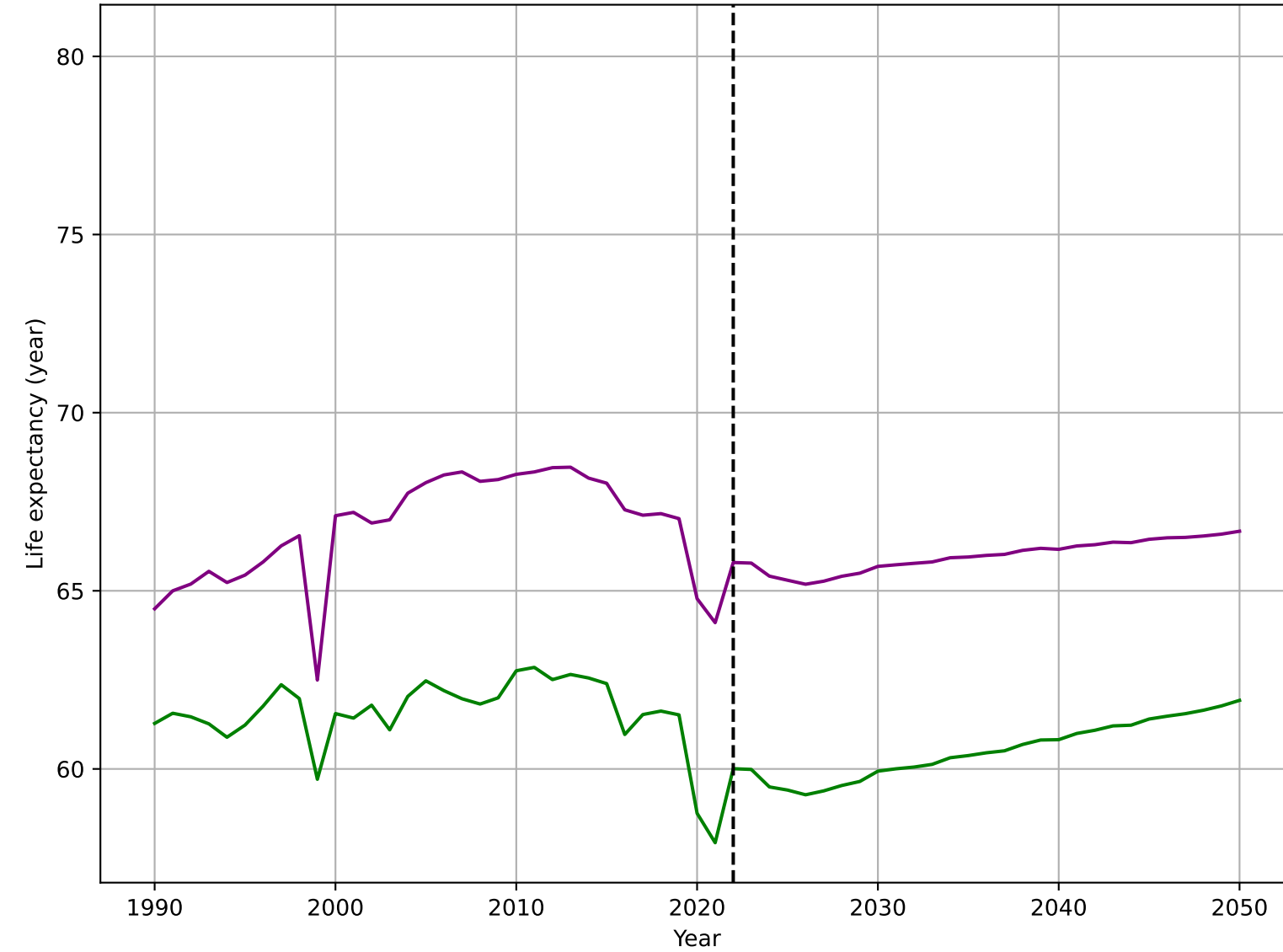


# Venezuela

### Life Expectancy

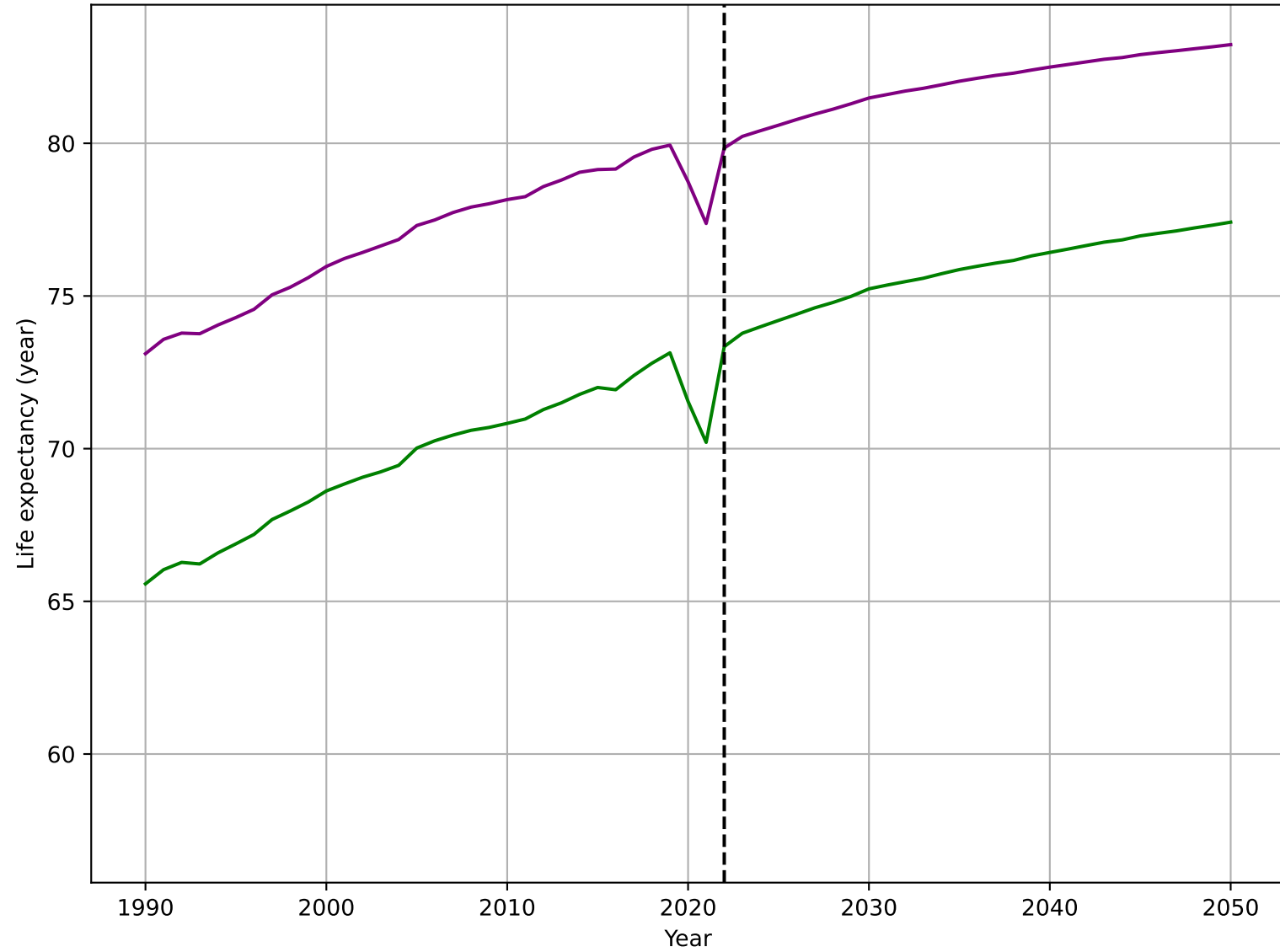


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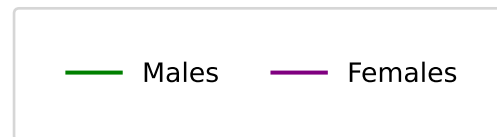
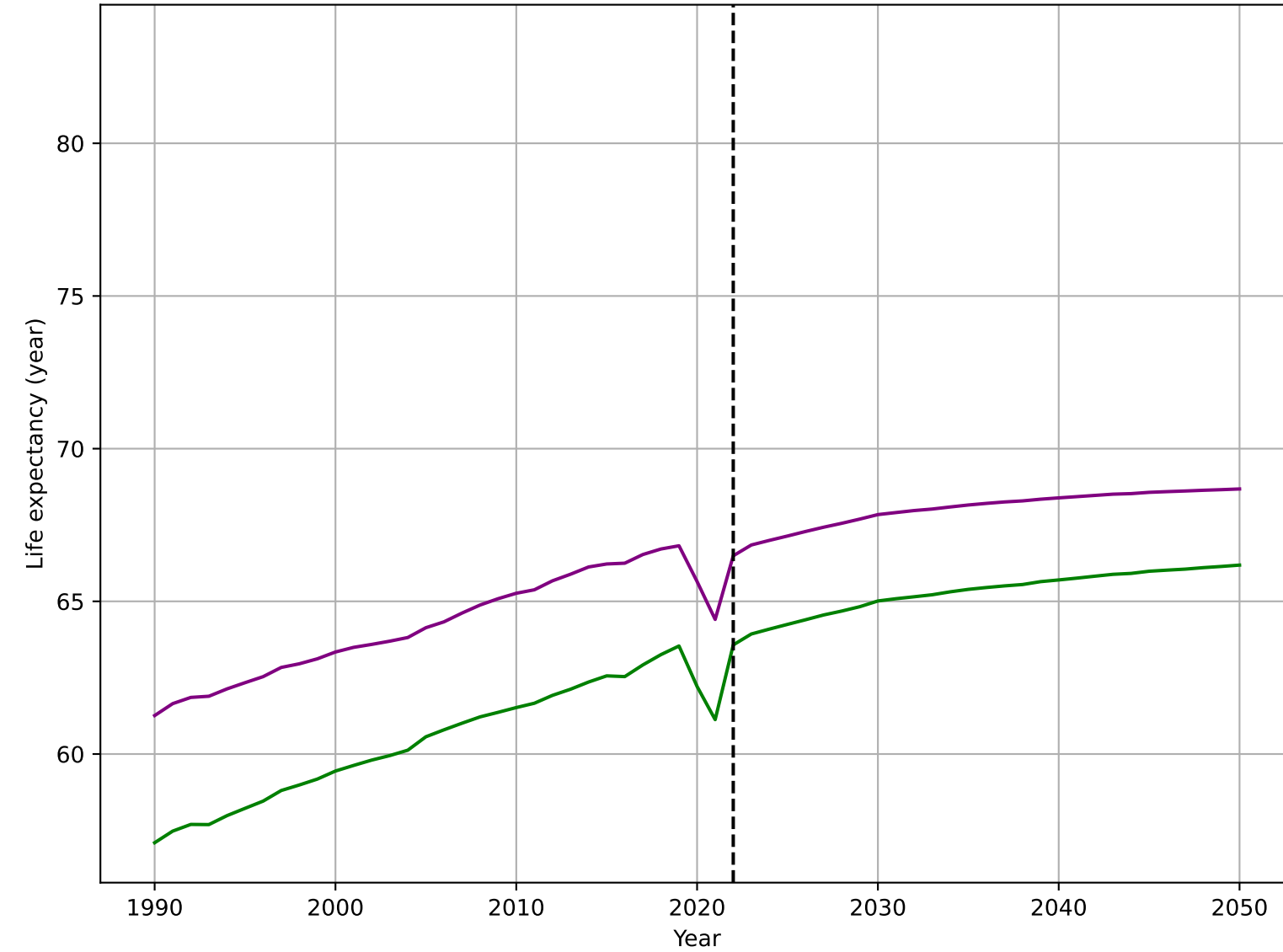


# Brazil

### Life Expectancy

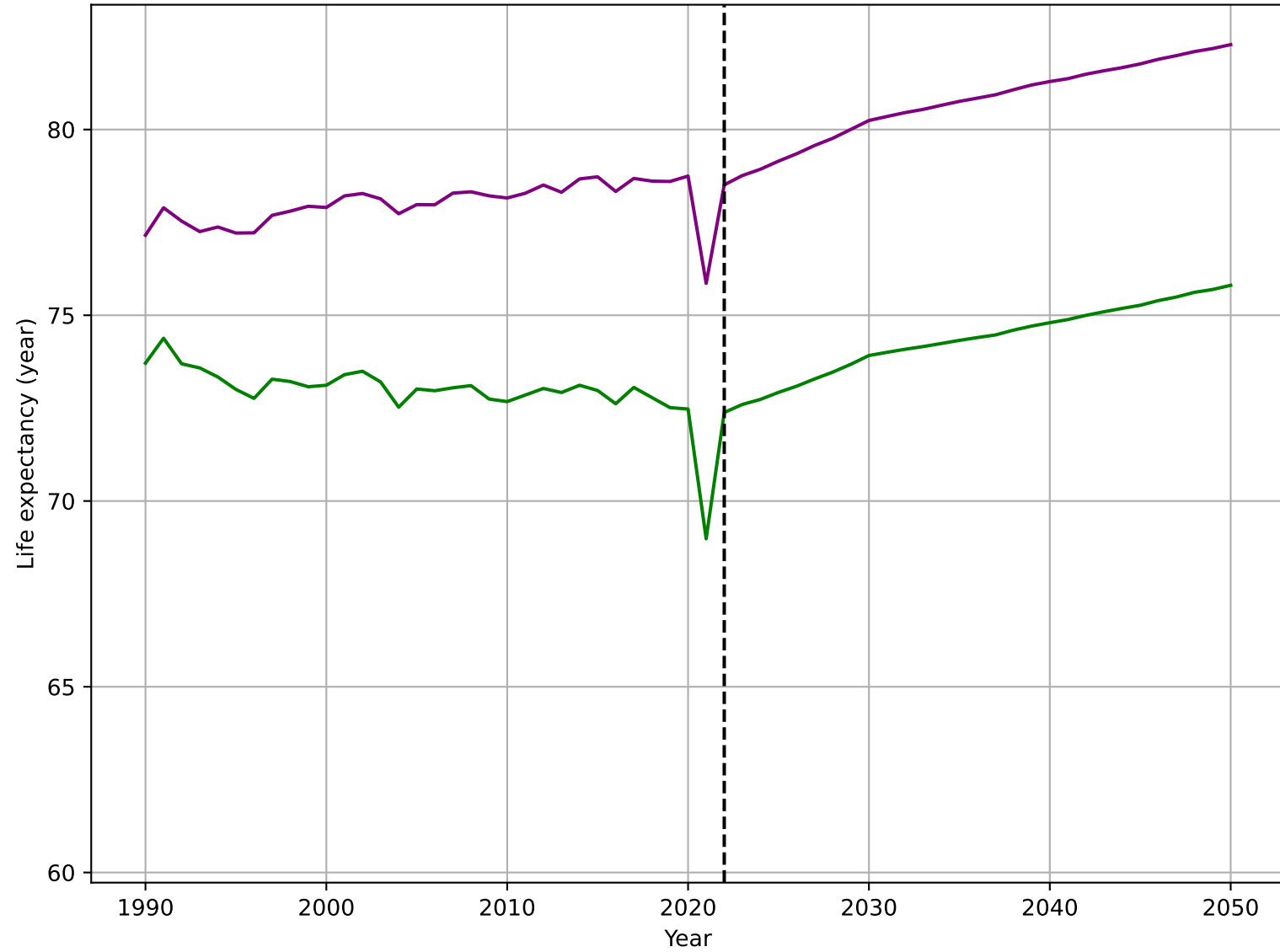


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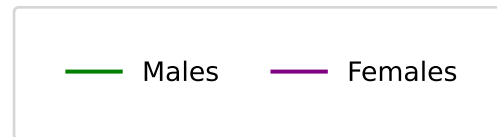
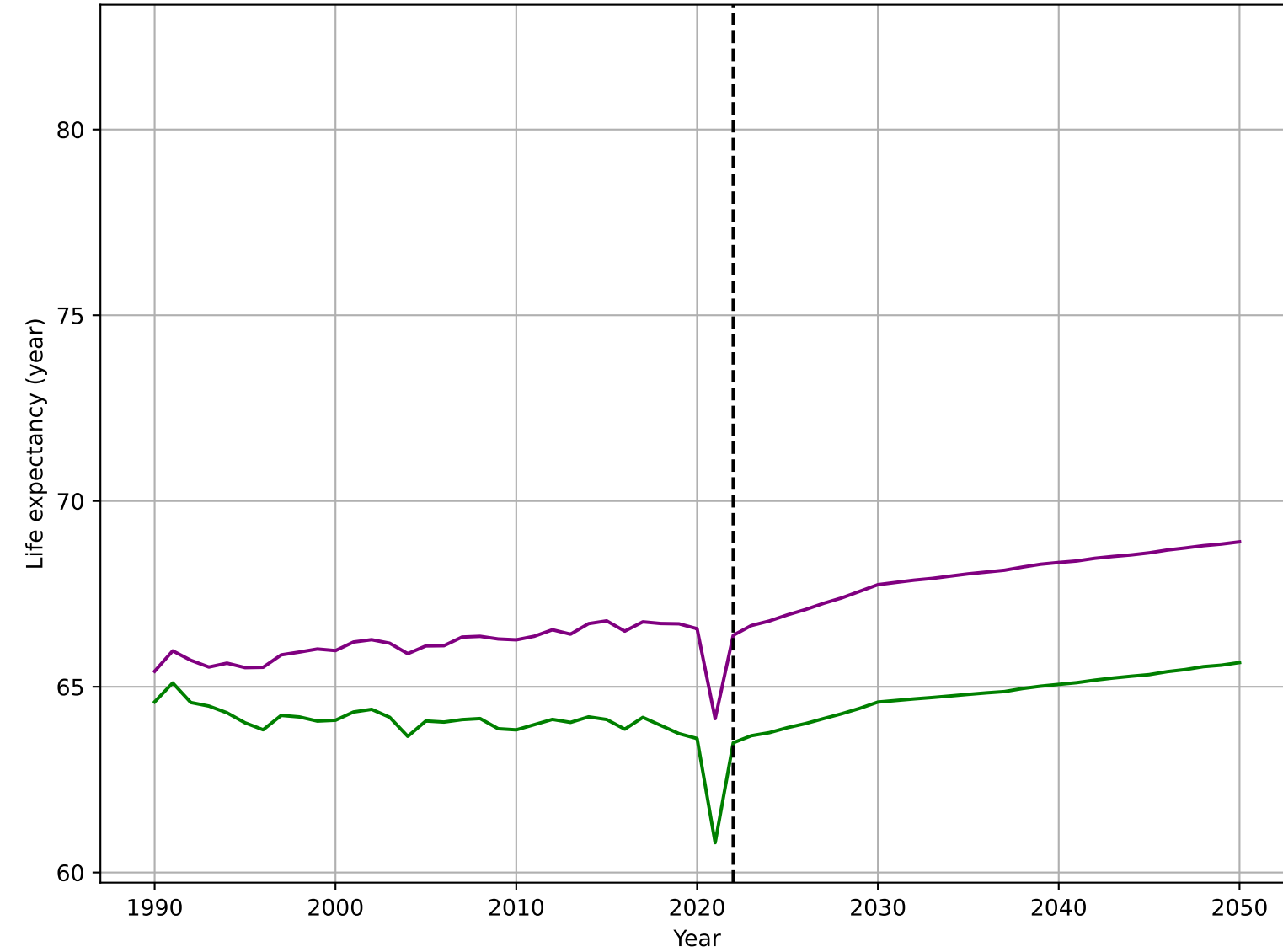


# Paraguay

### Life Expectancy

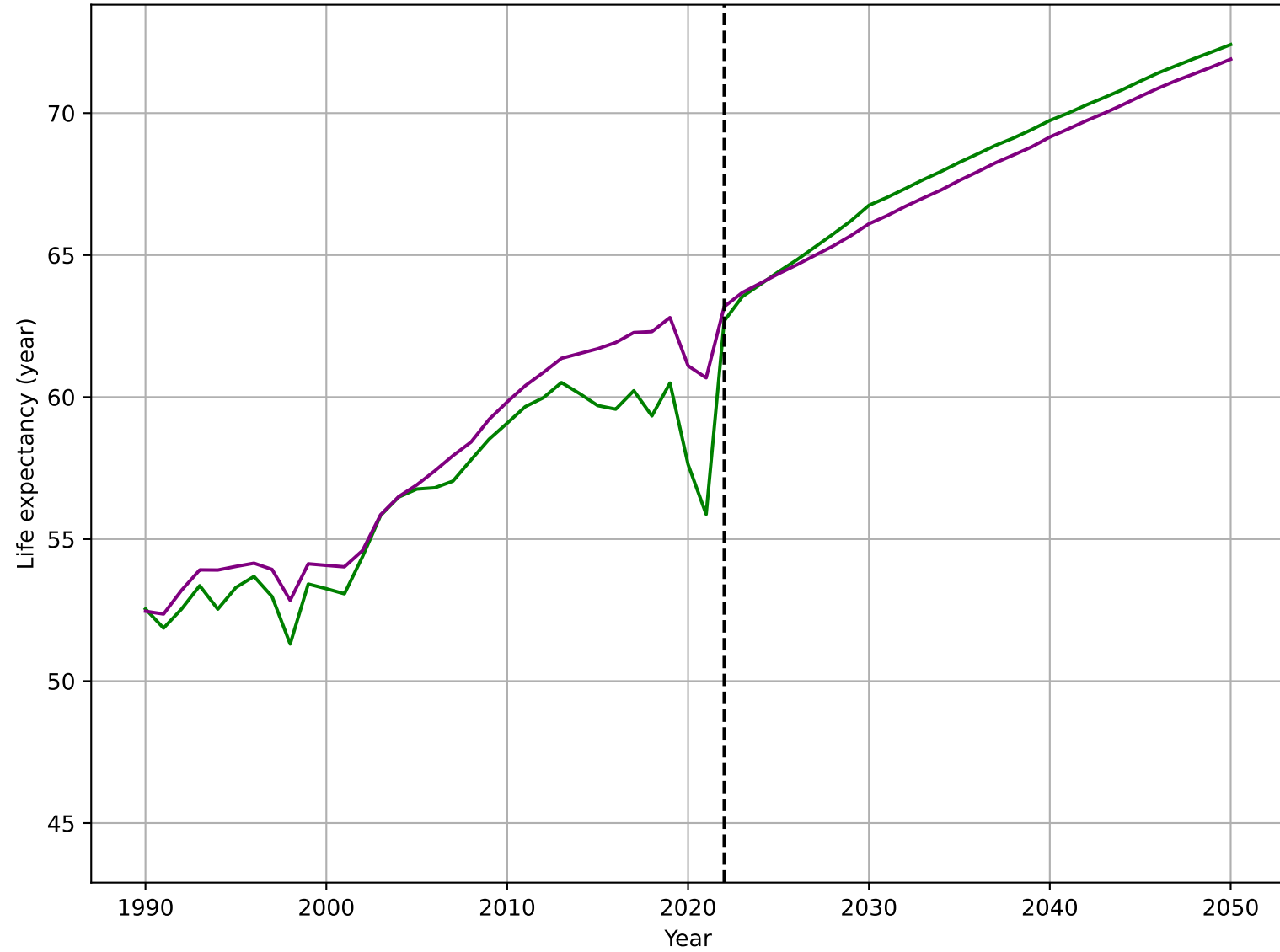


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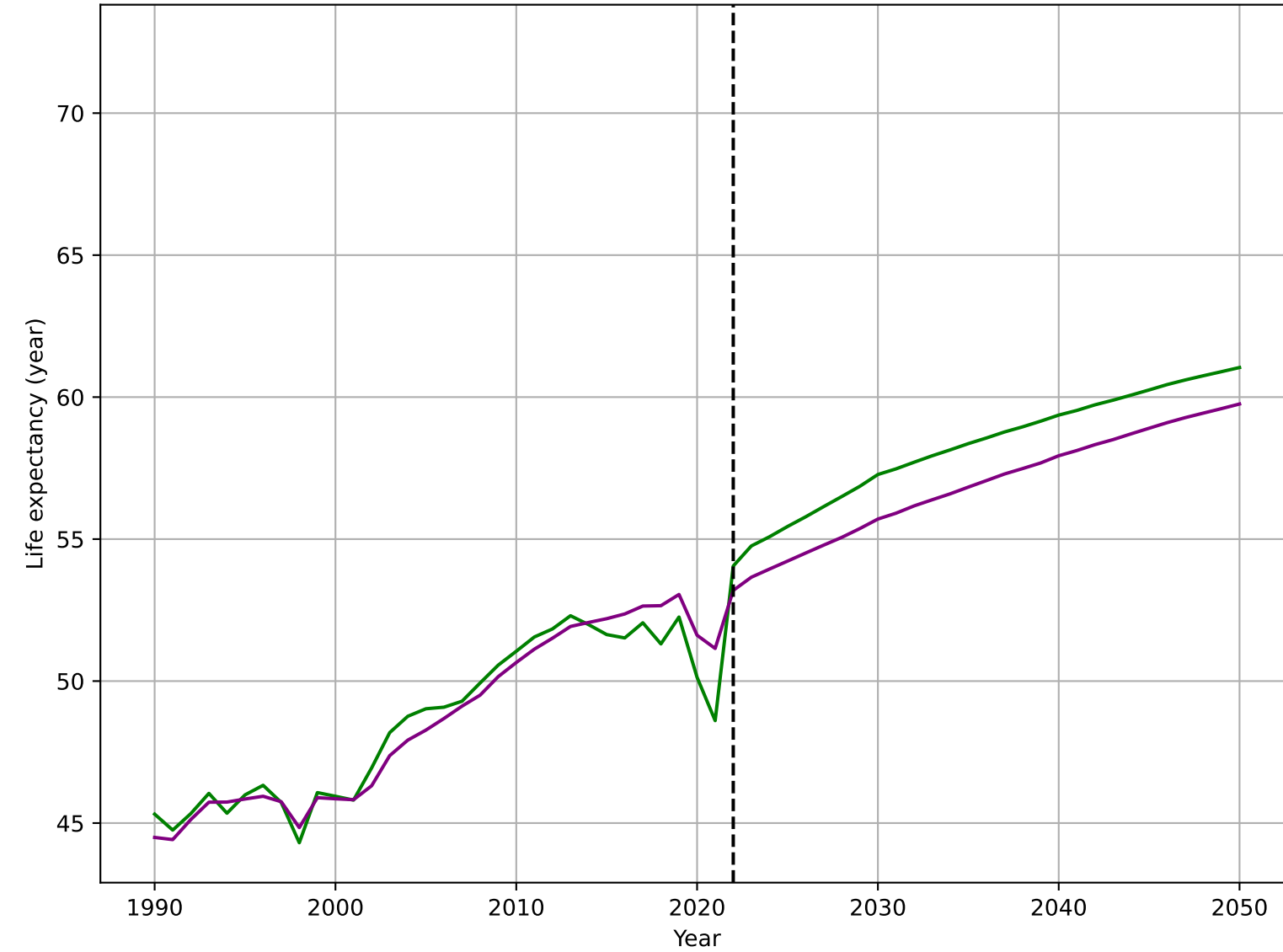


# Afghanistan

### Life Expectancy

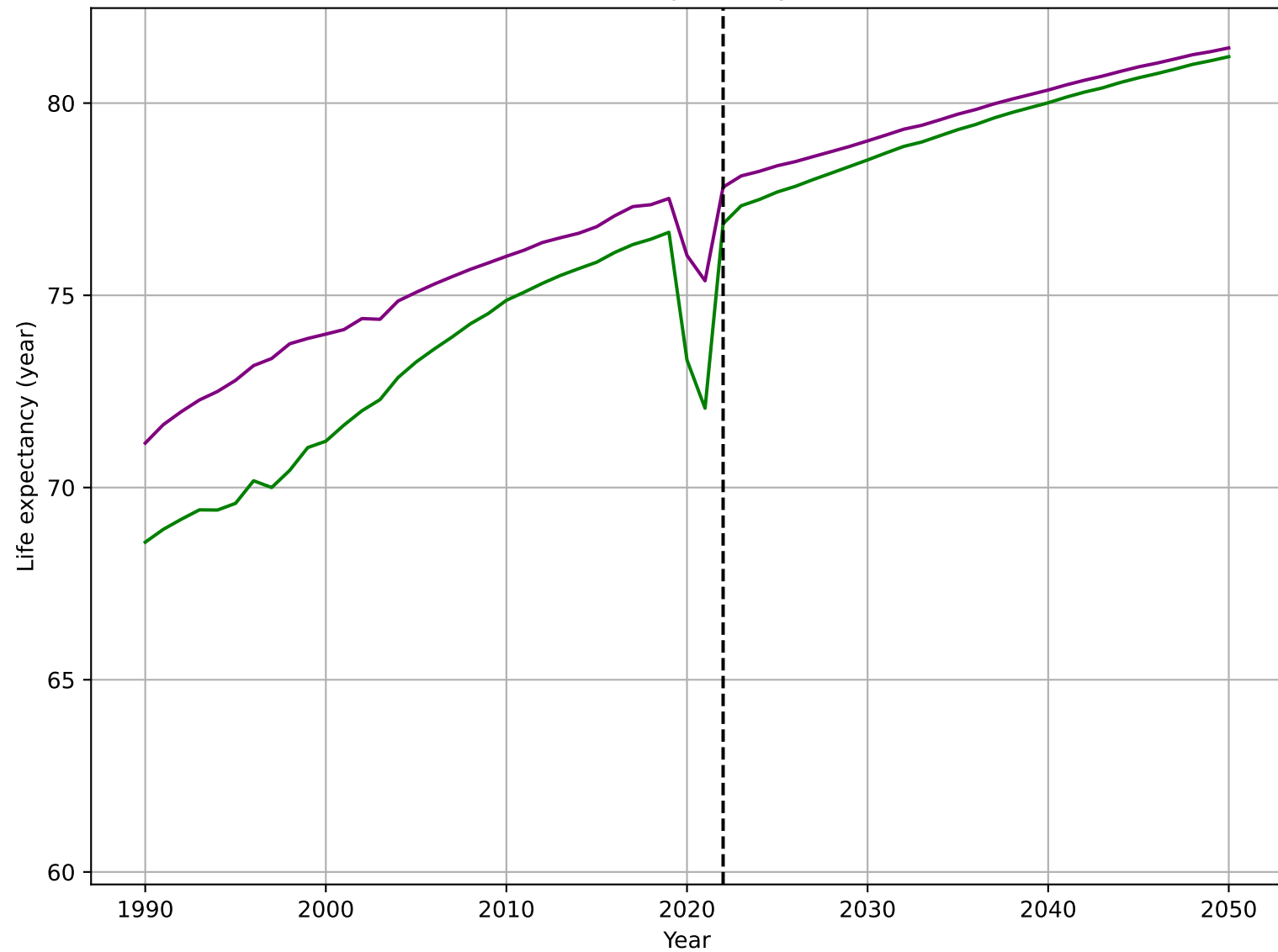


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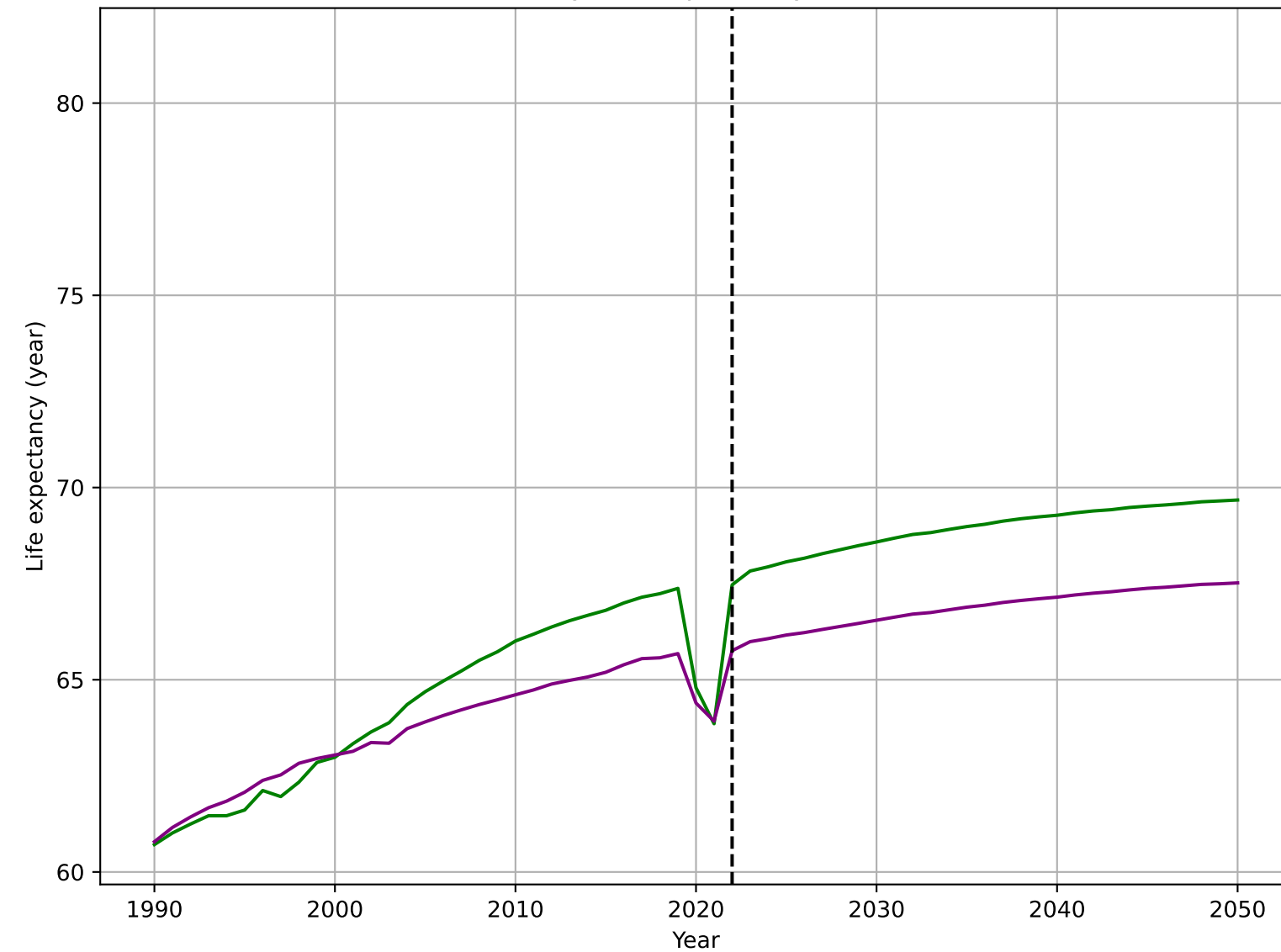


# Algeria

### Life Expectancy



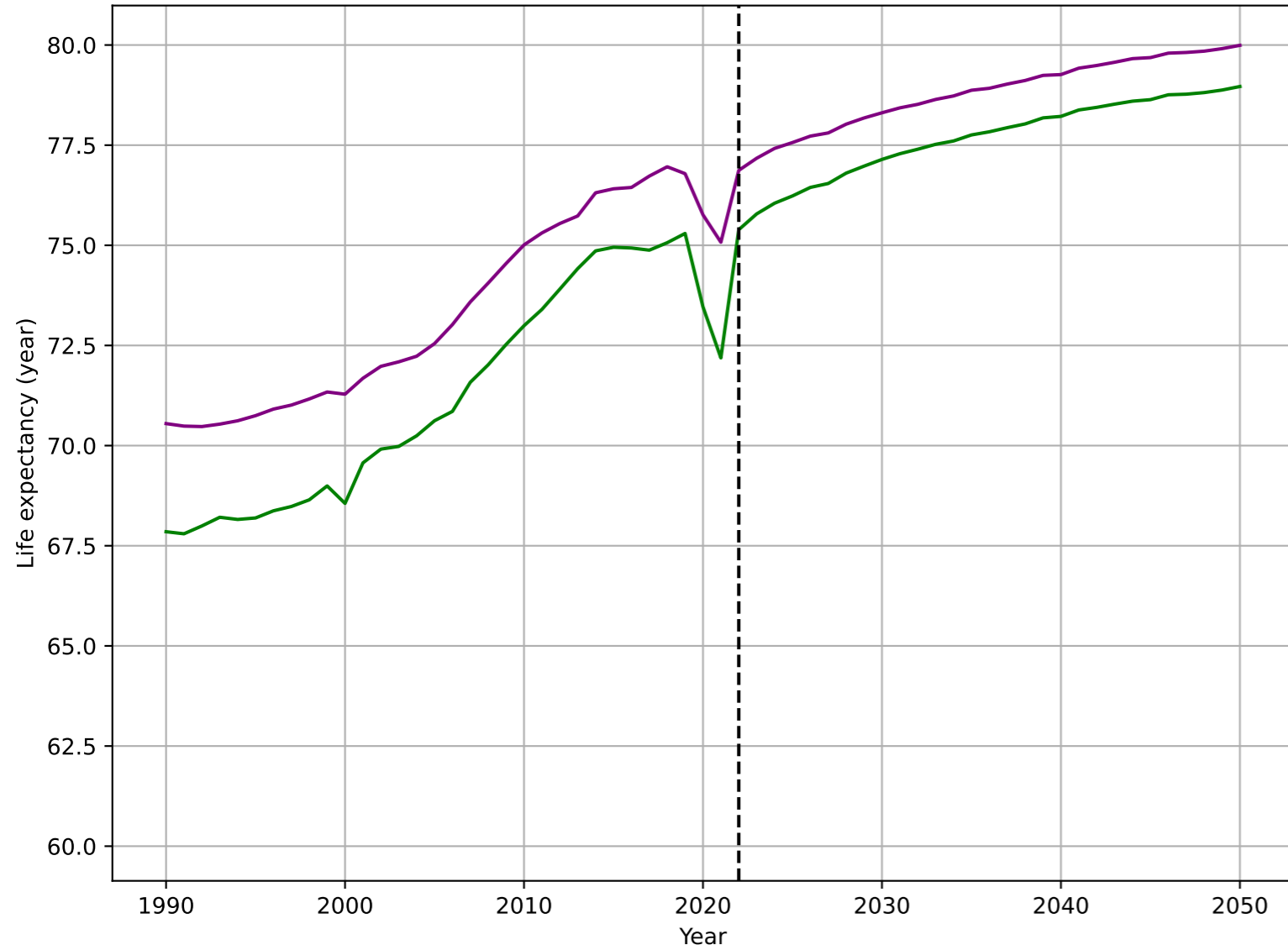
### Healthy Life Expectancy (HALE)



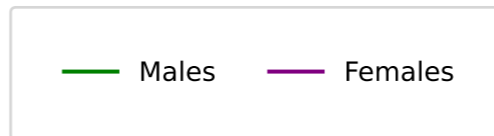
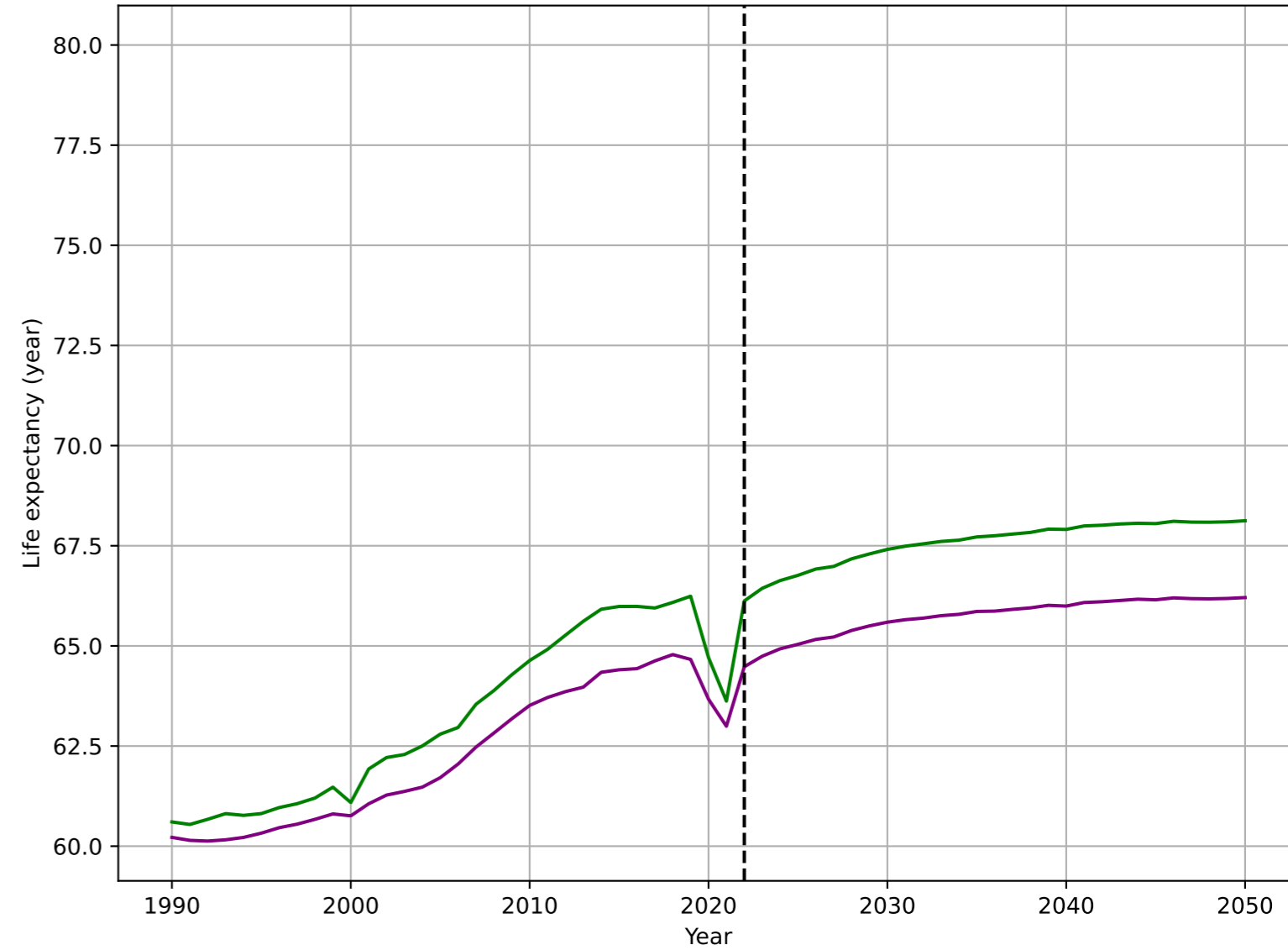


# Bahrain

### Life Expectancy

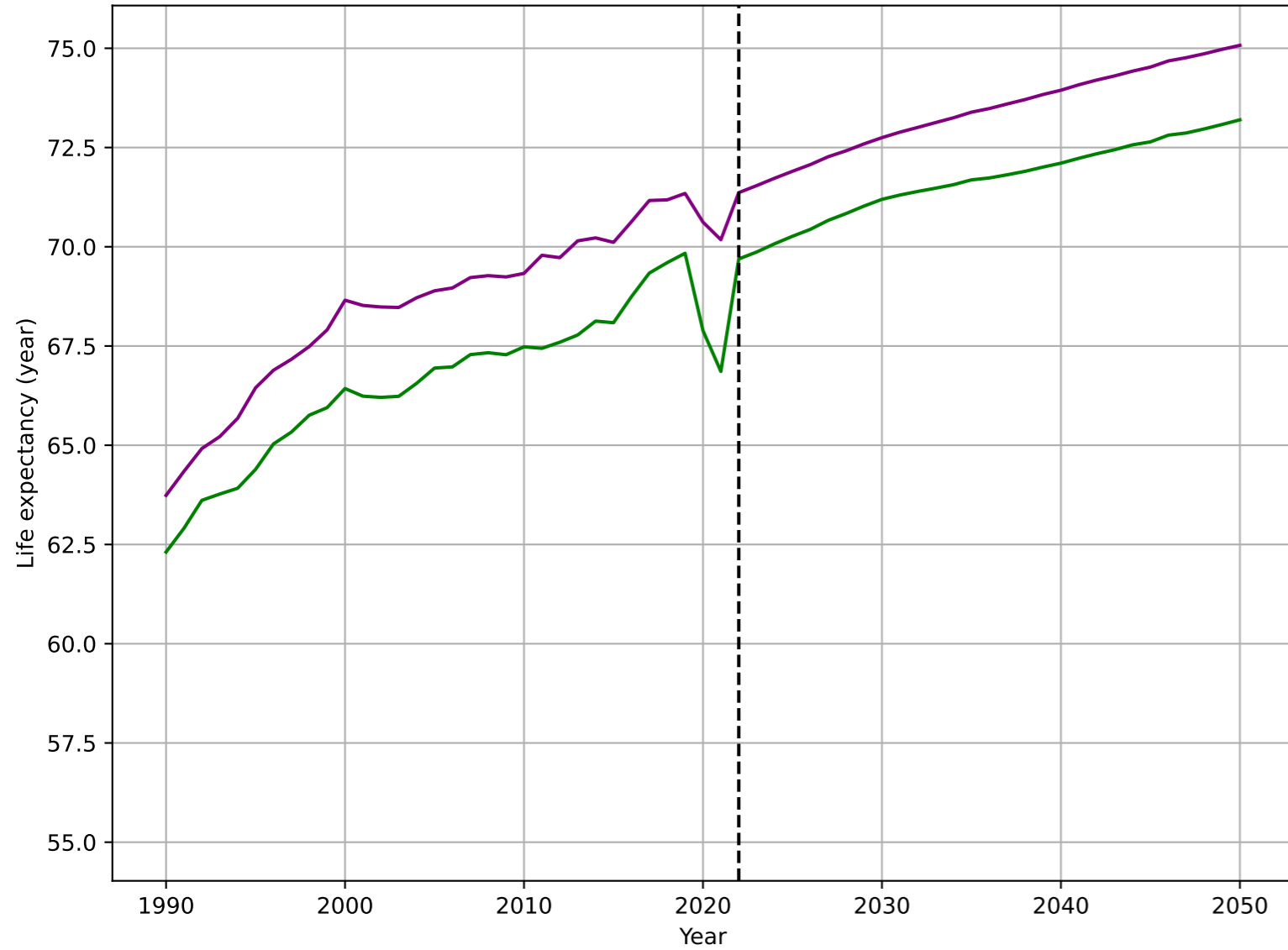


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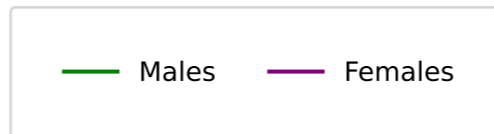
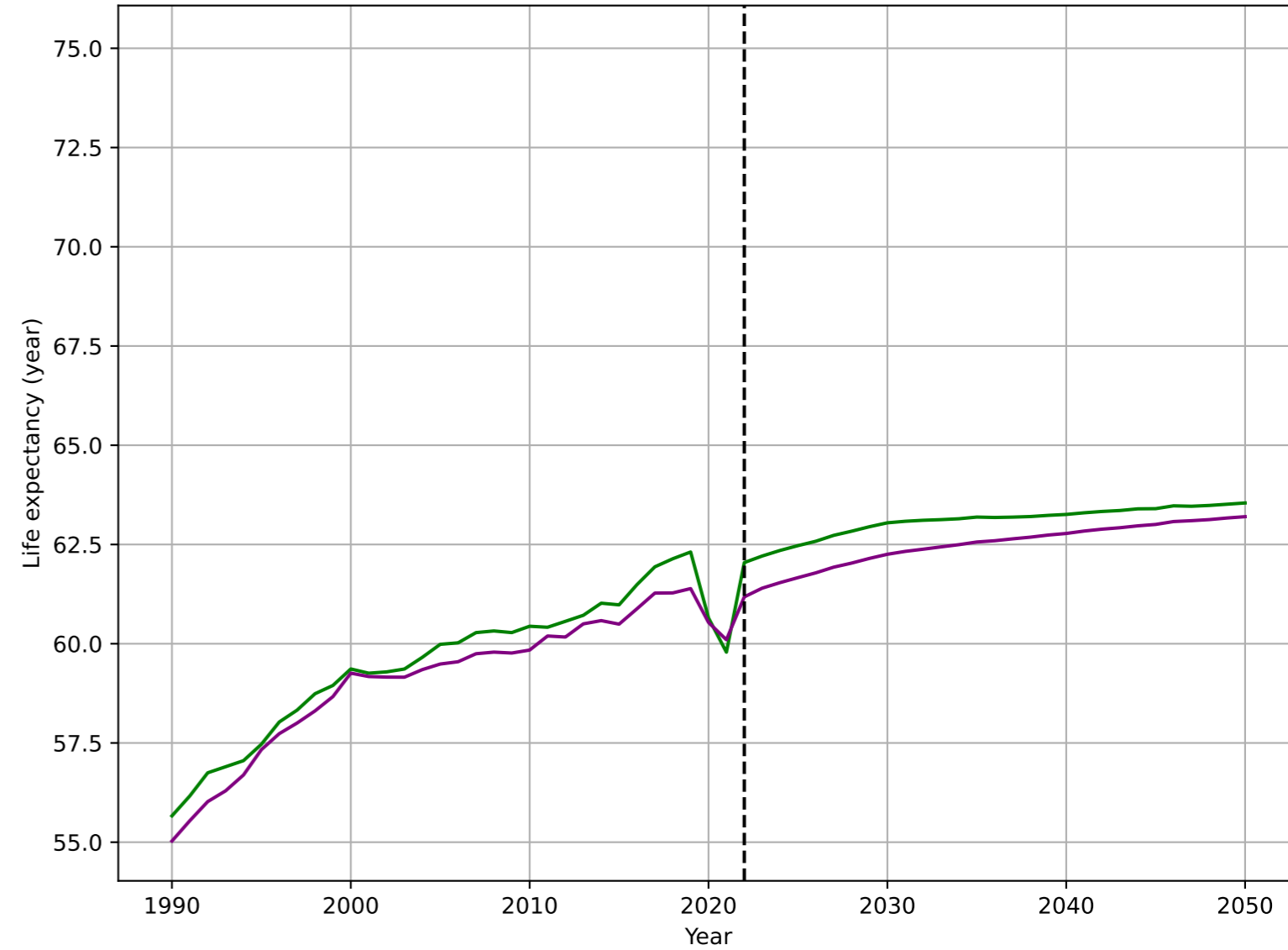


# Egypt

### Life Expectancy



### Healthy Life Expectancy (HALE)

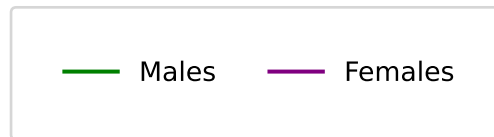
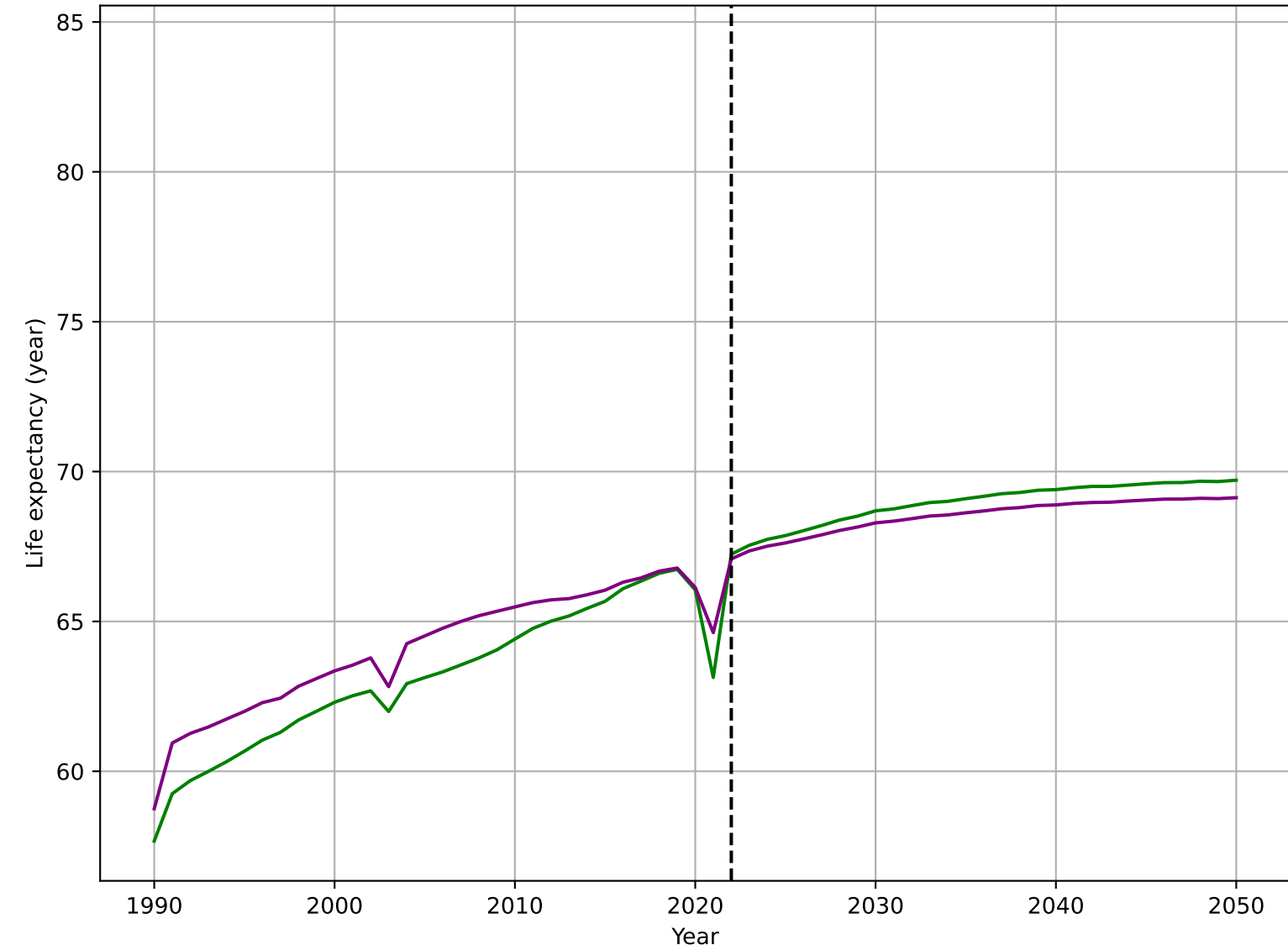


# Iran

### Life Expectancy

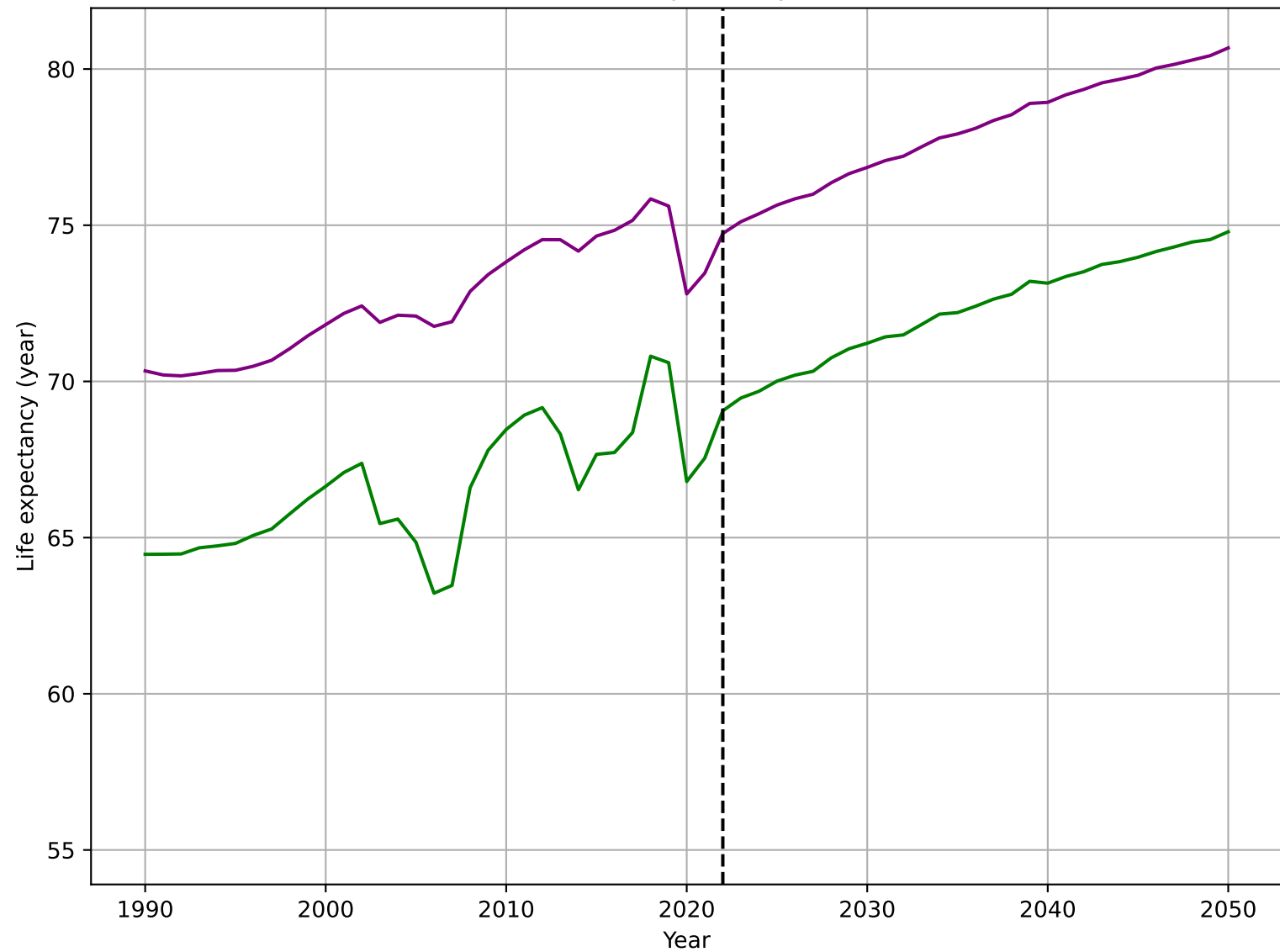


### Healthy Life Expectancy (HALE)

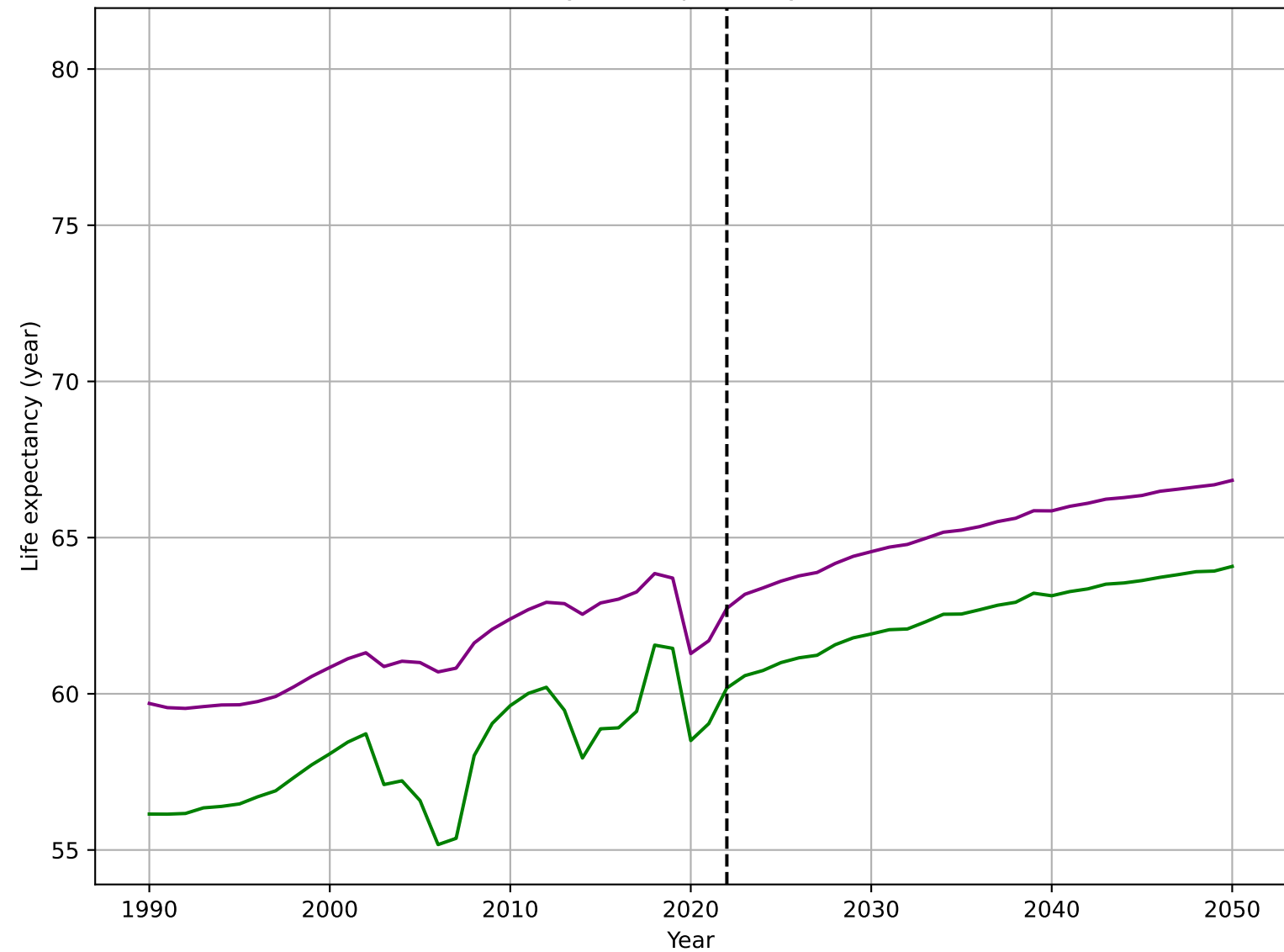


# Iraq

### Life Expectancy

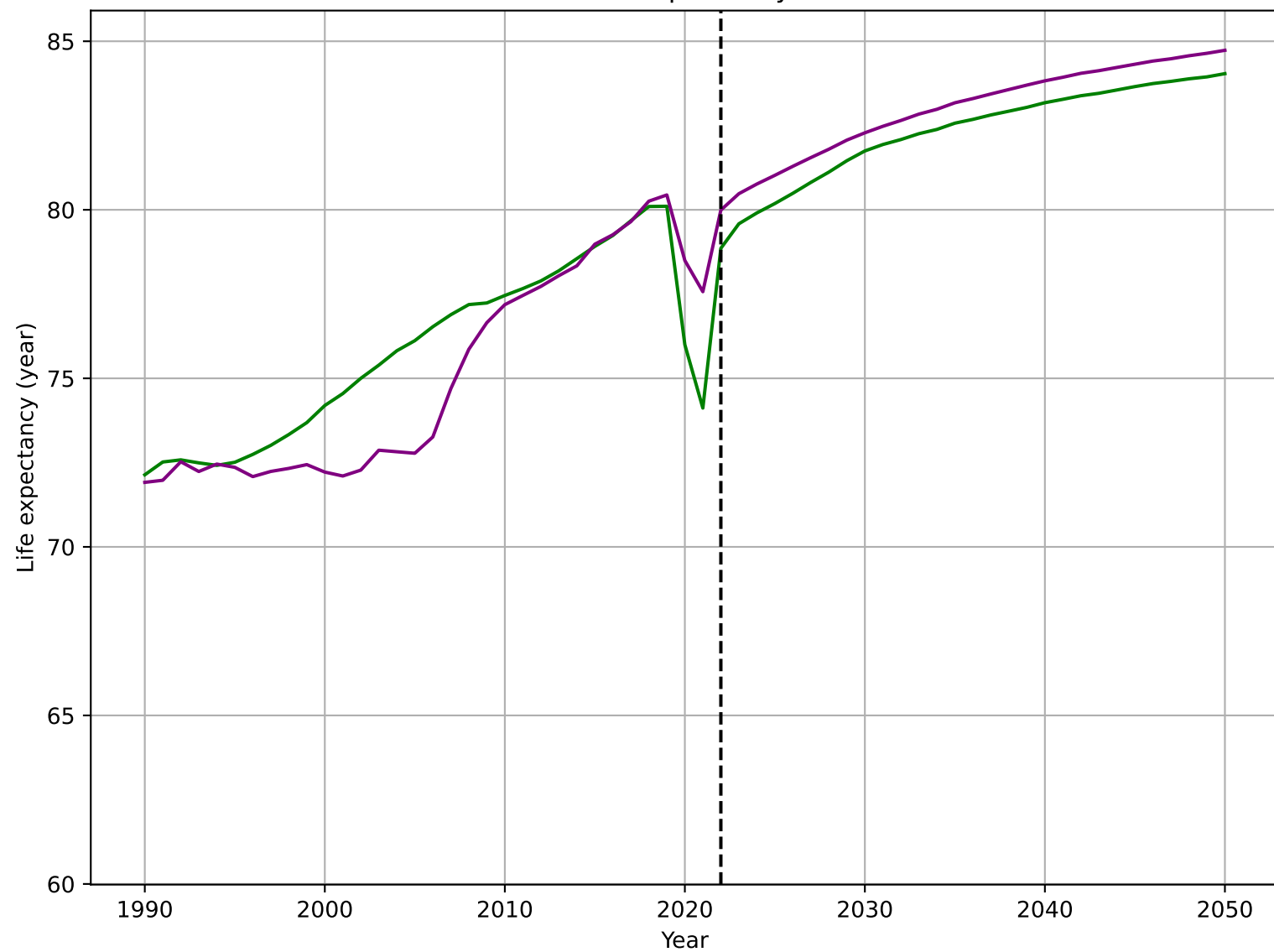


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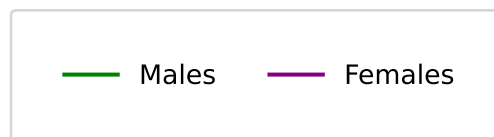
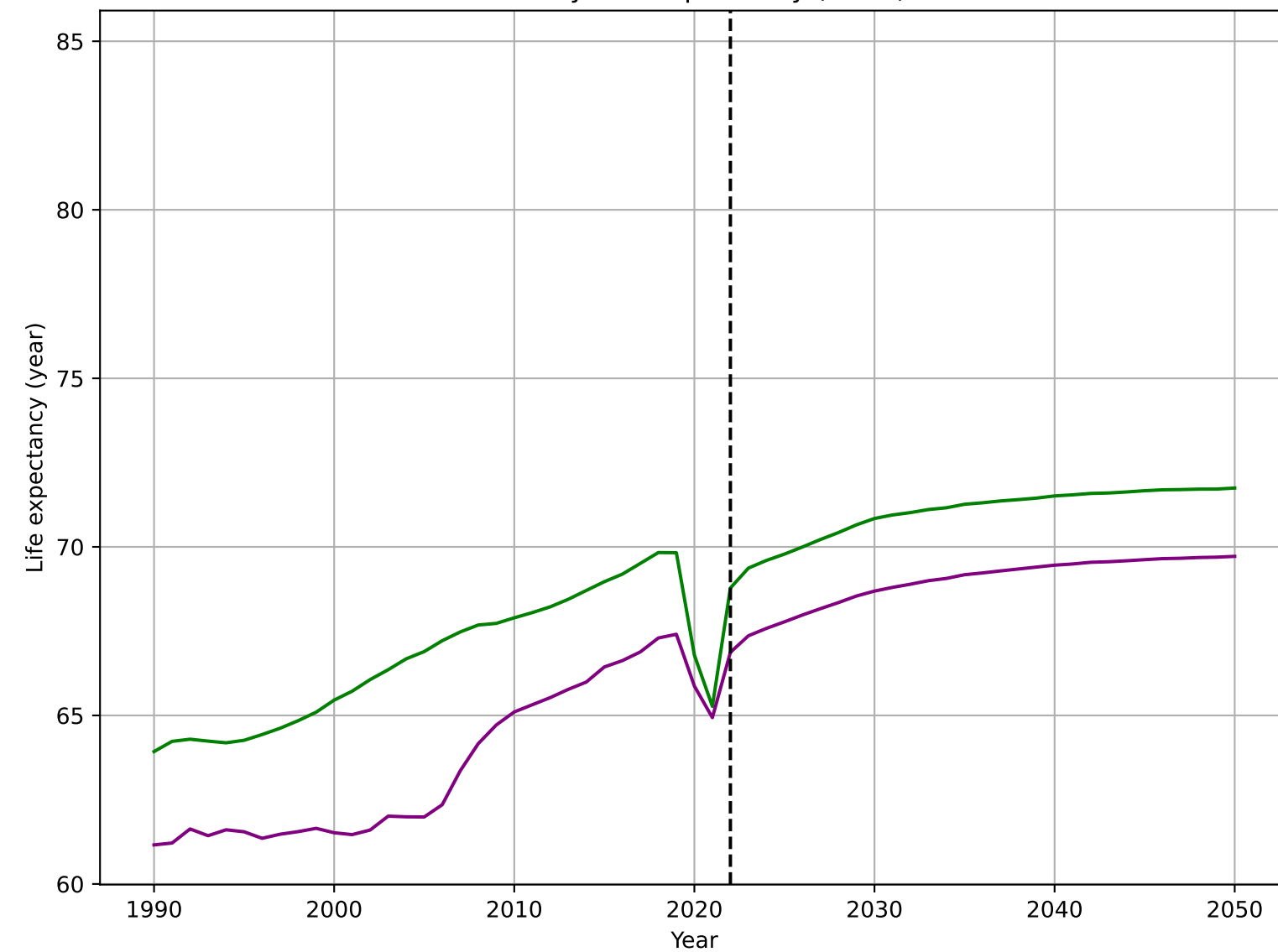


# Jordan

### Life Expectancy

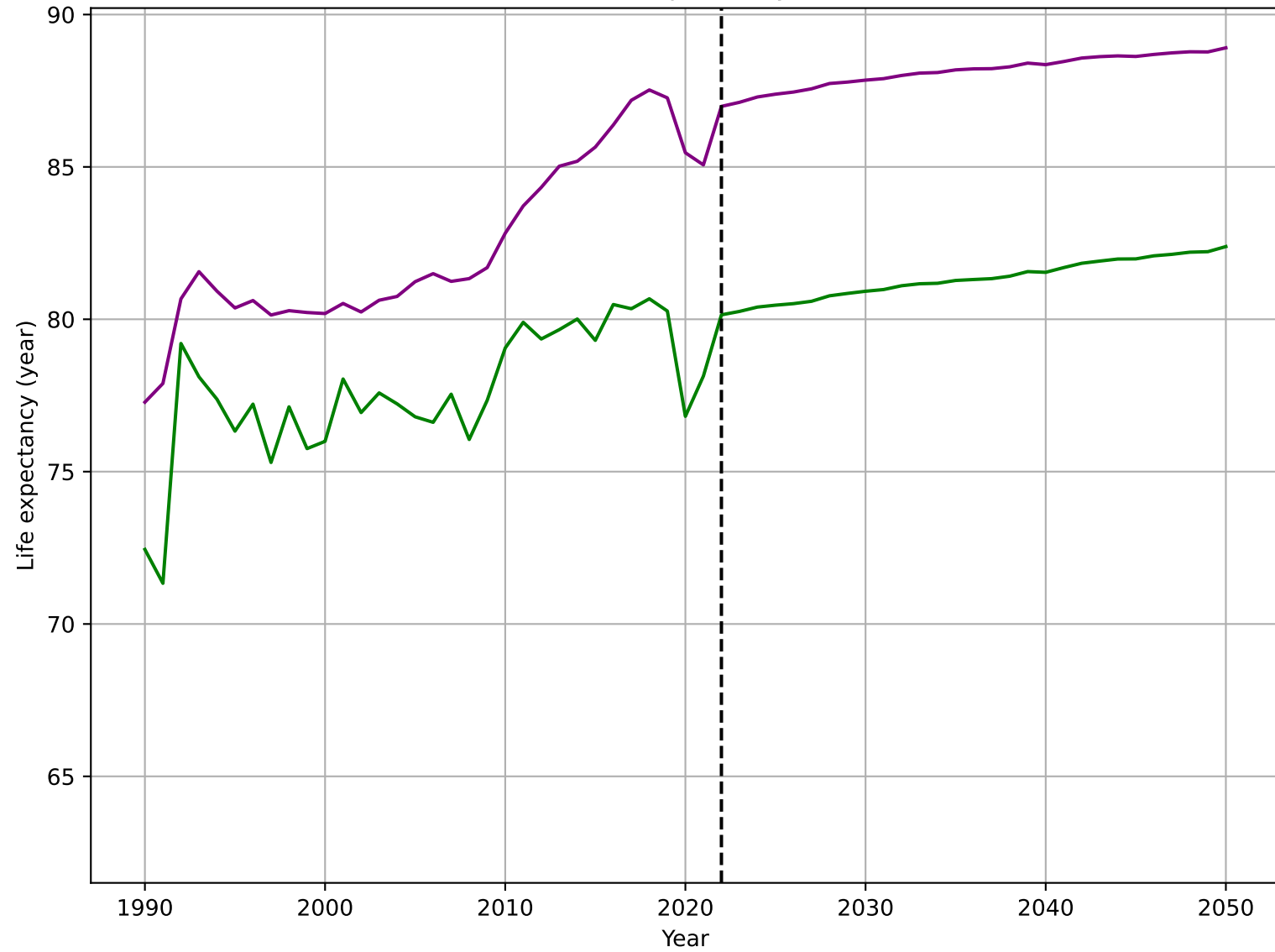


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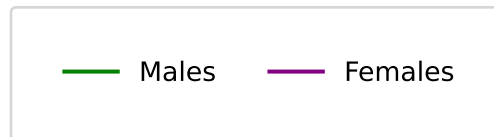
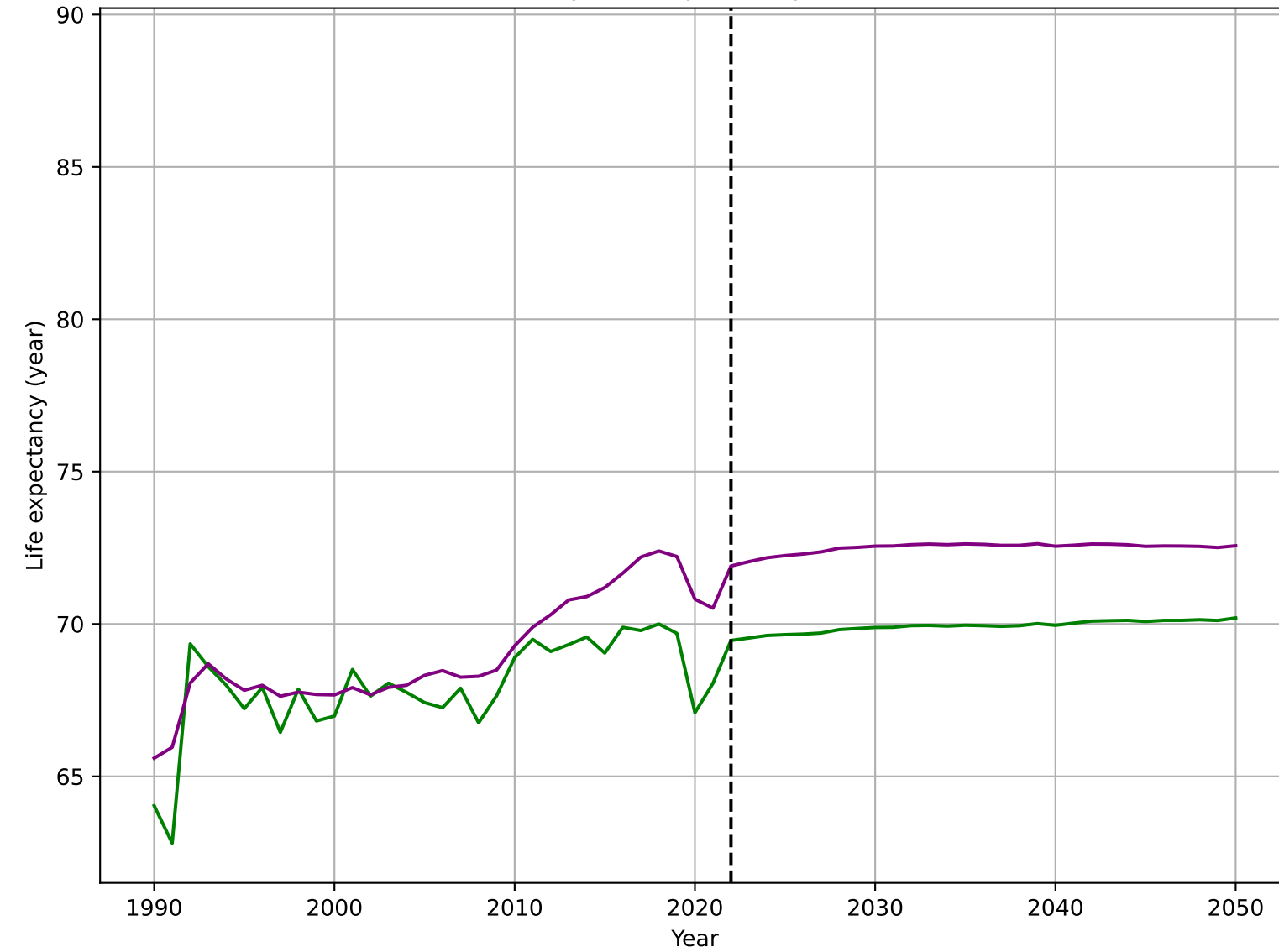


# Kuwait

### Life Expectancy

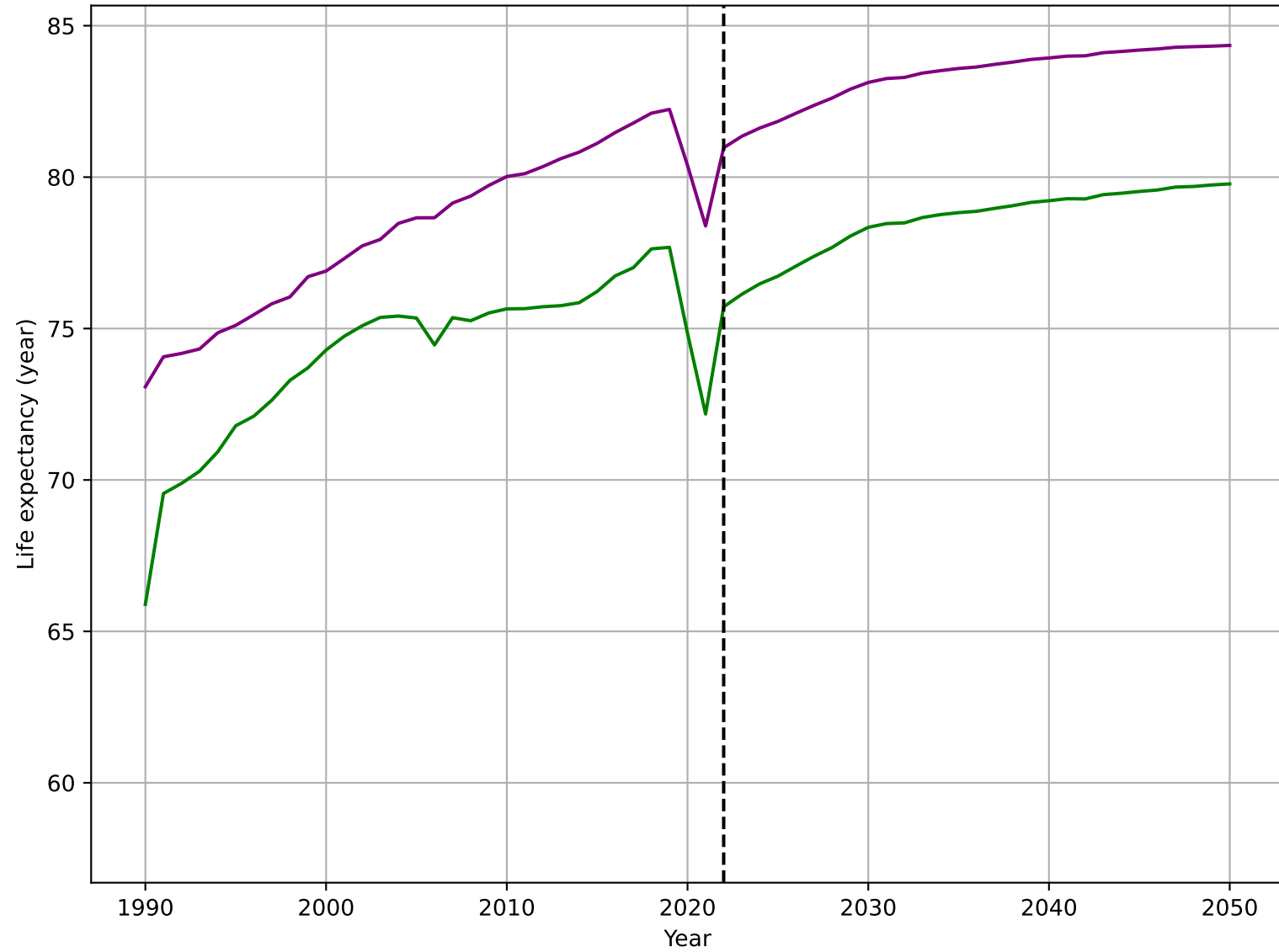


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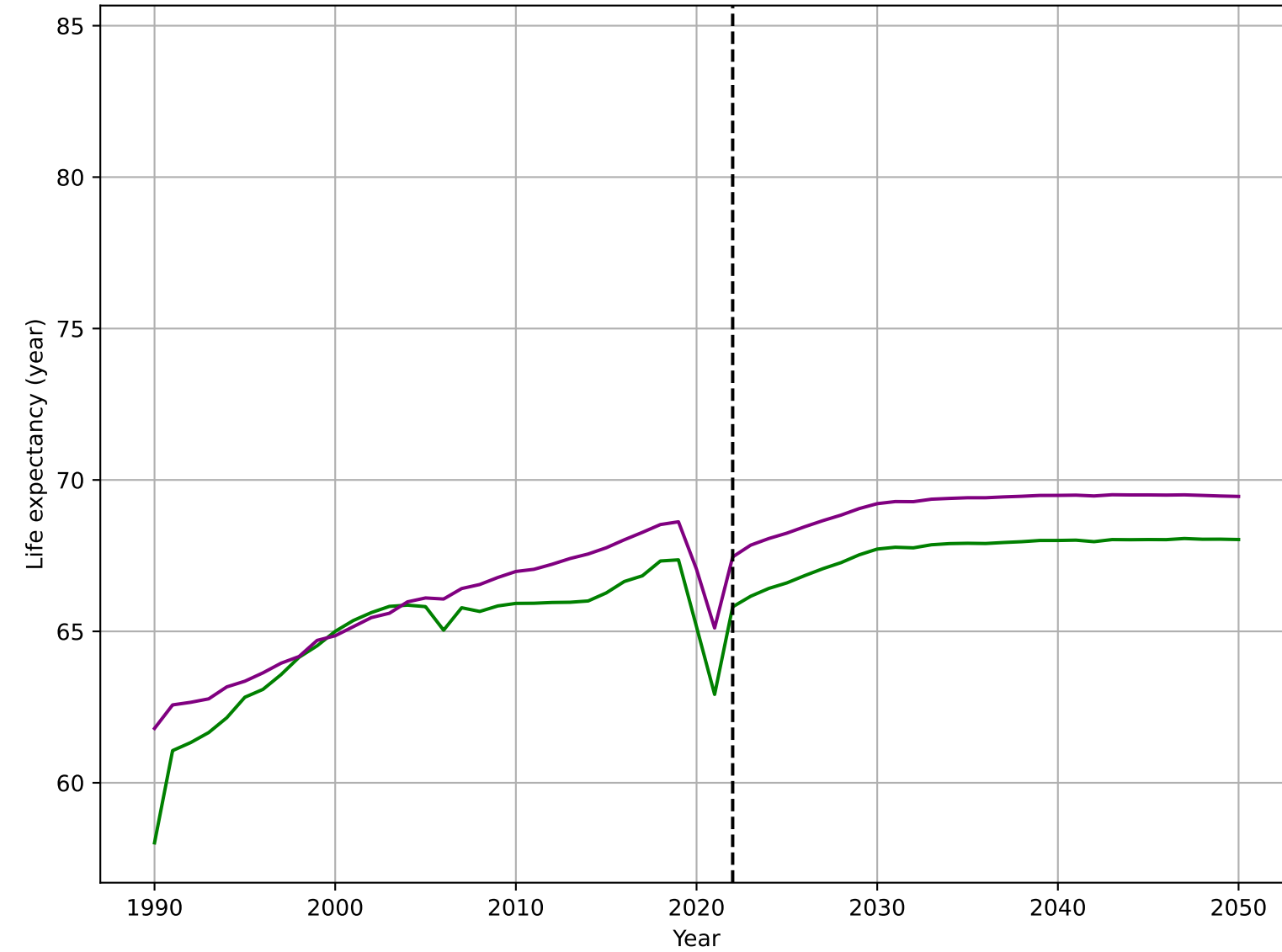


# Lebanon

### Life Expectancy

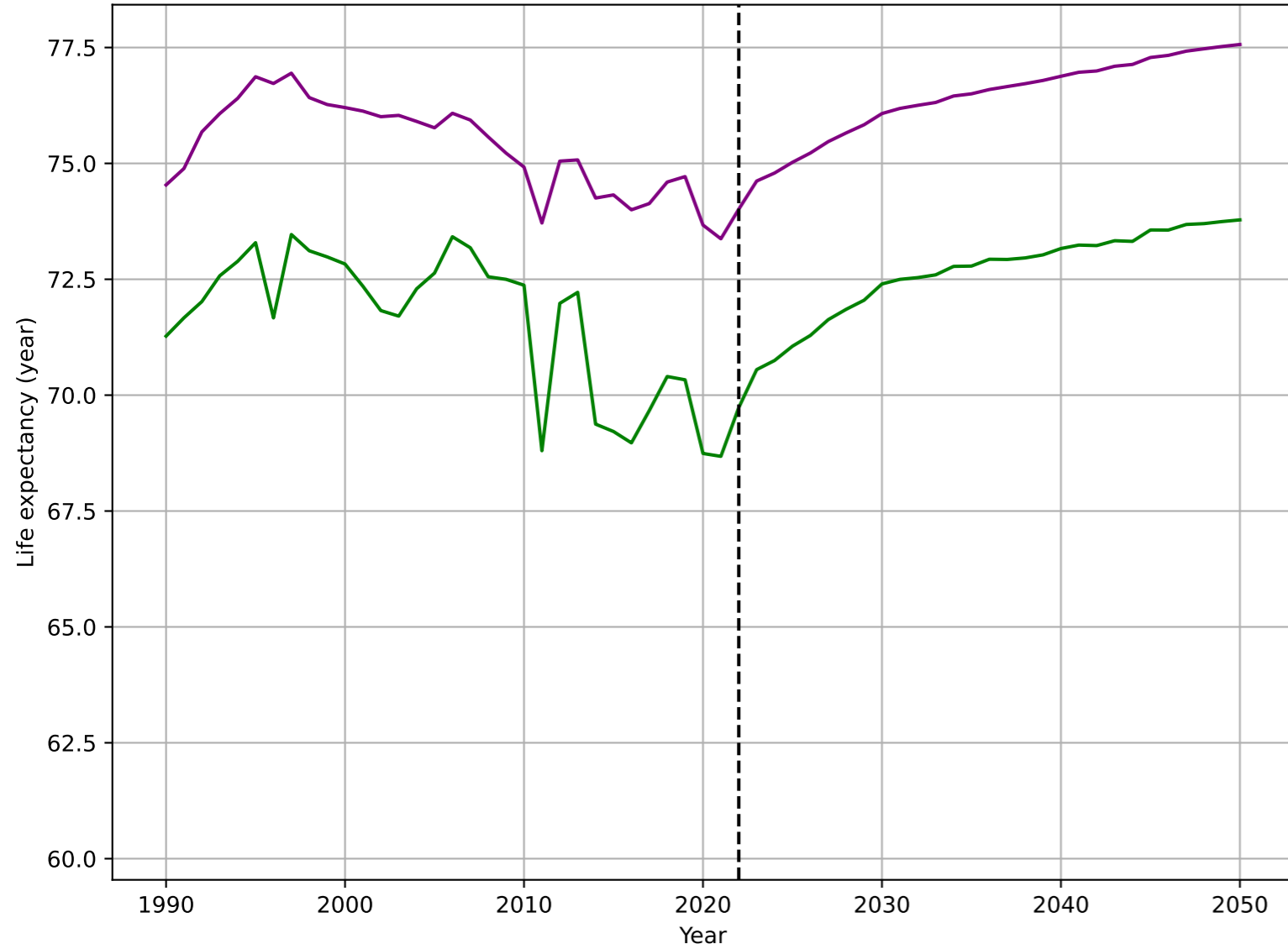


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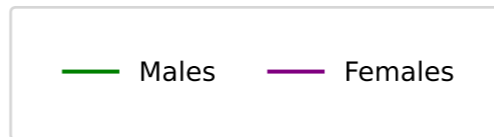
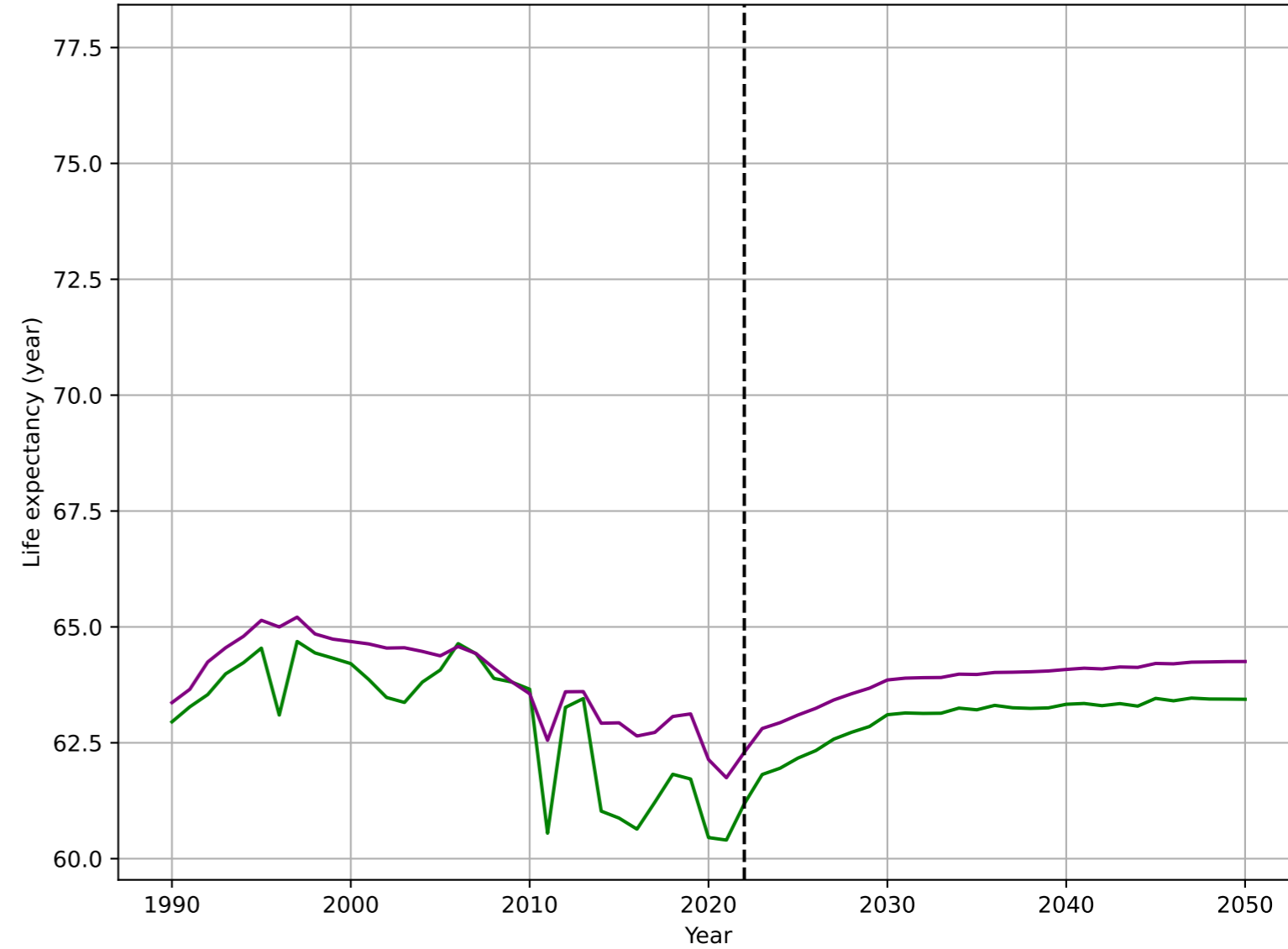


# Libya

### Life Expectancy



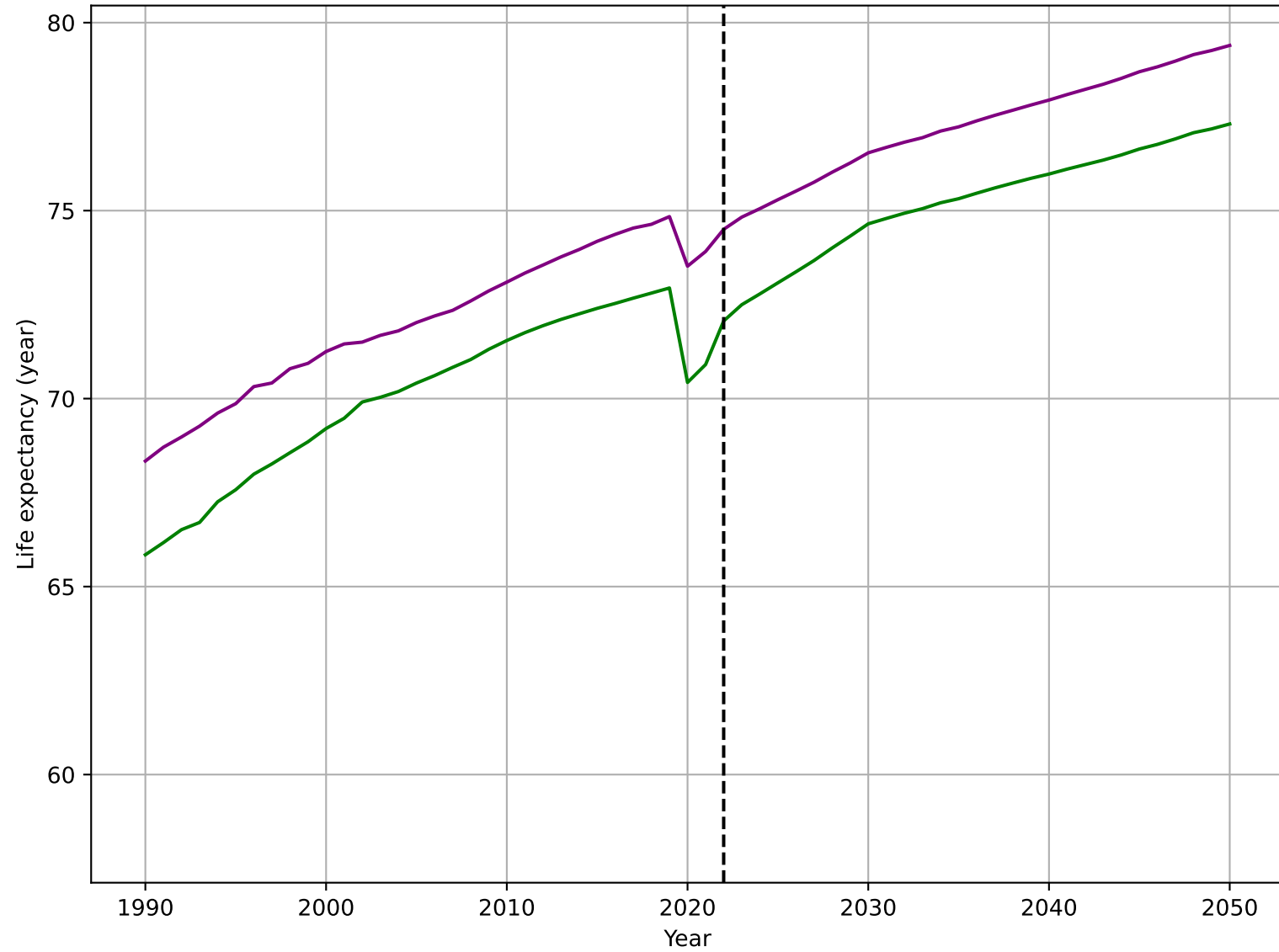
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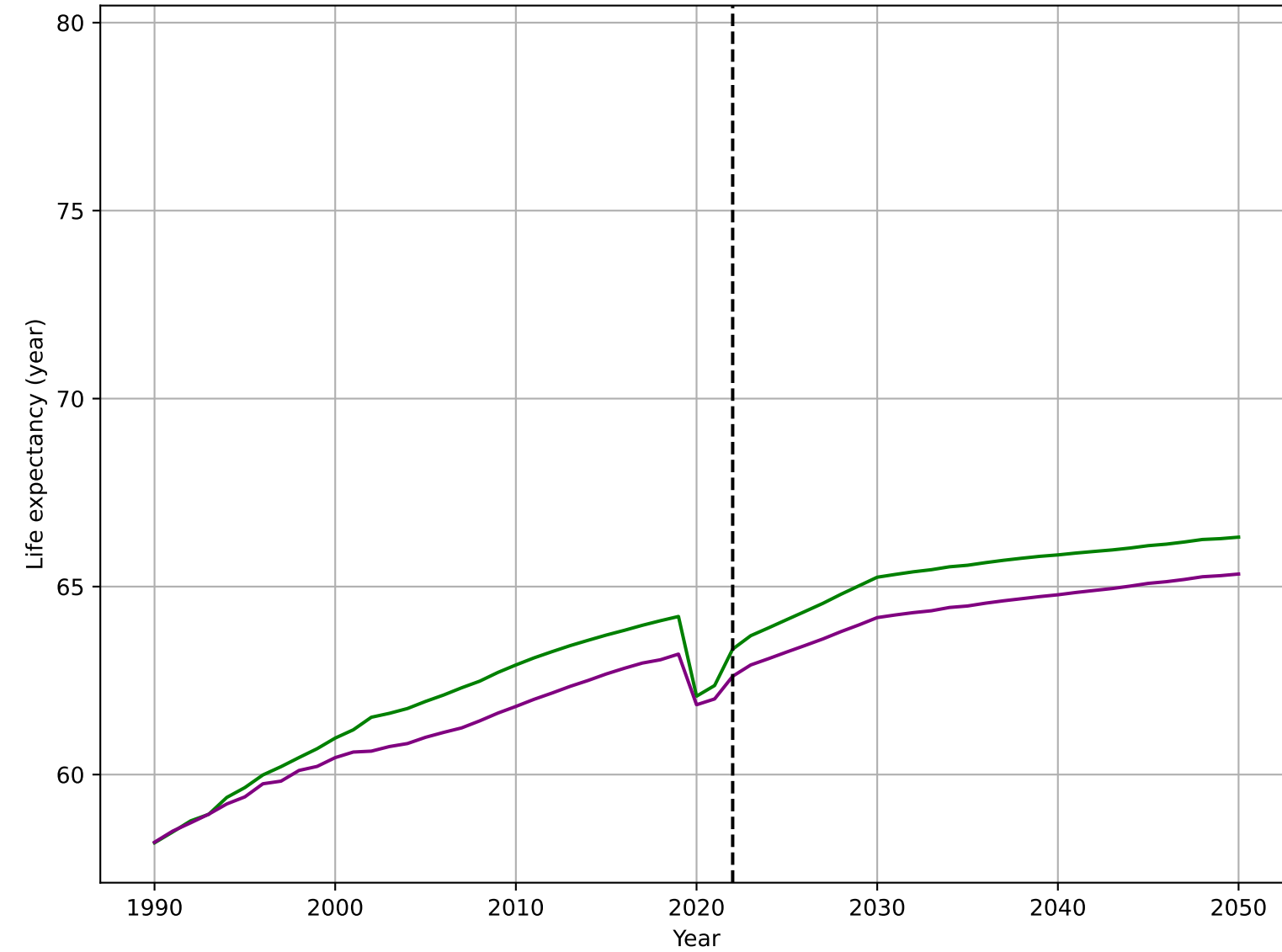


# Morocco

### Life Expectancy

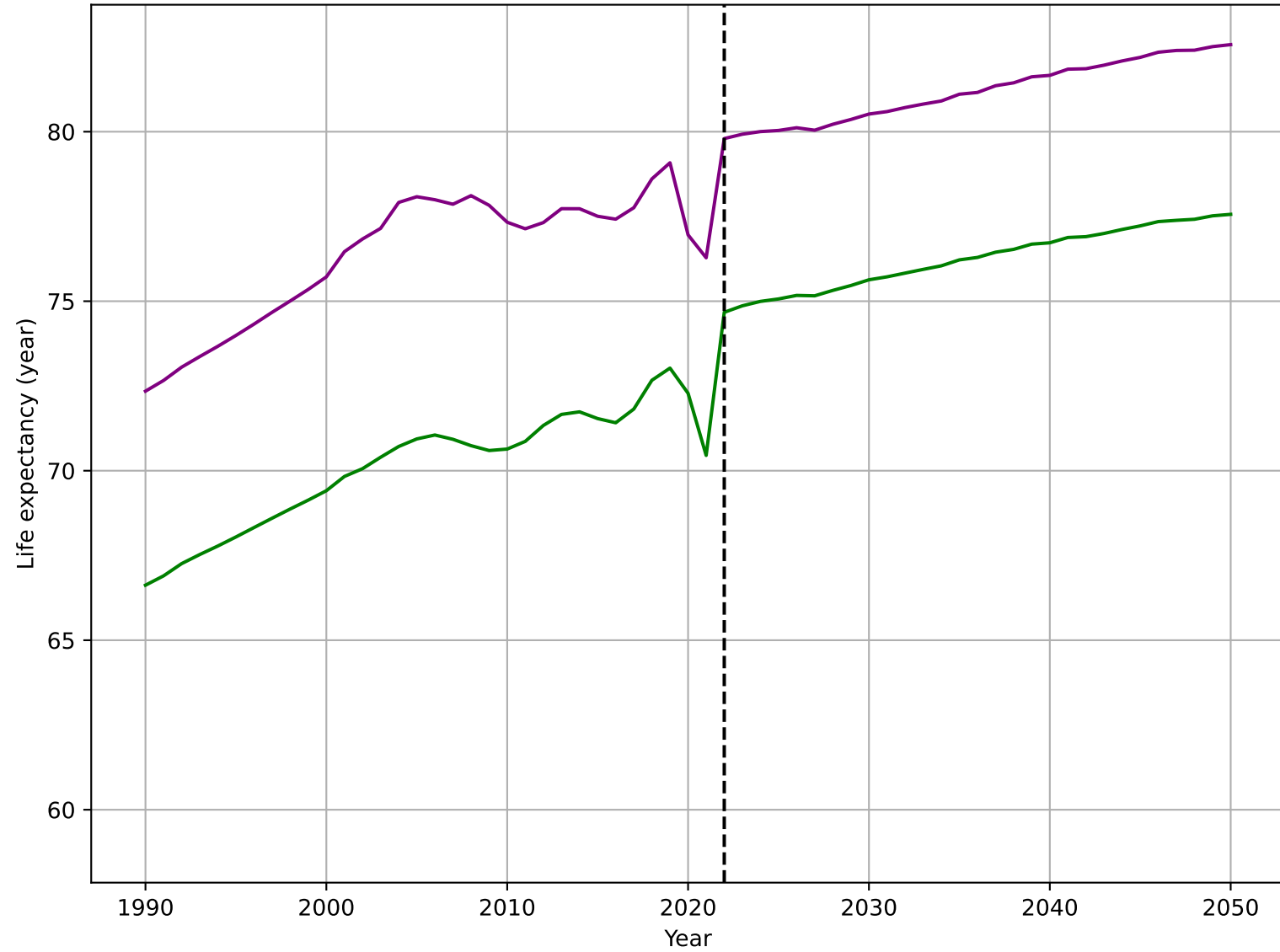


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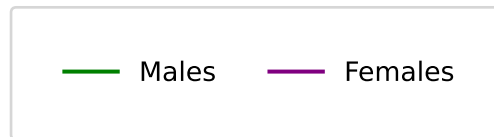
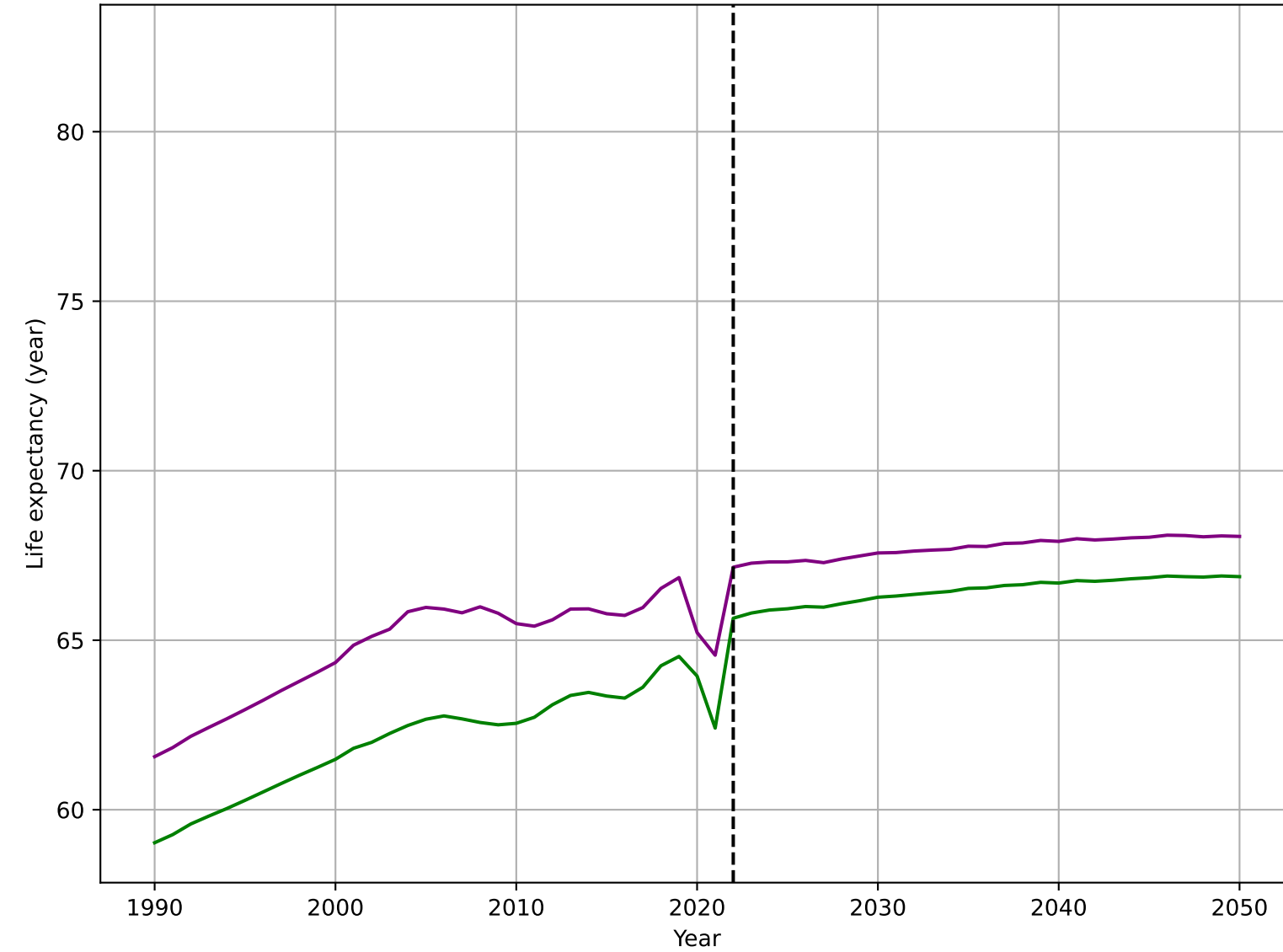


# Oman

### Life Expectancy

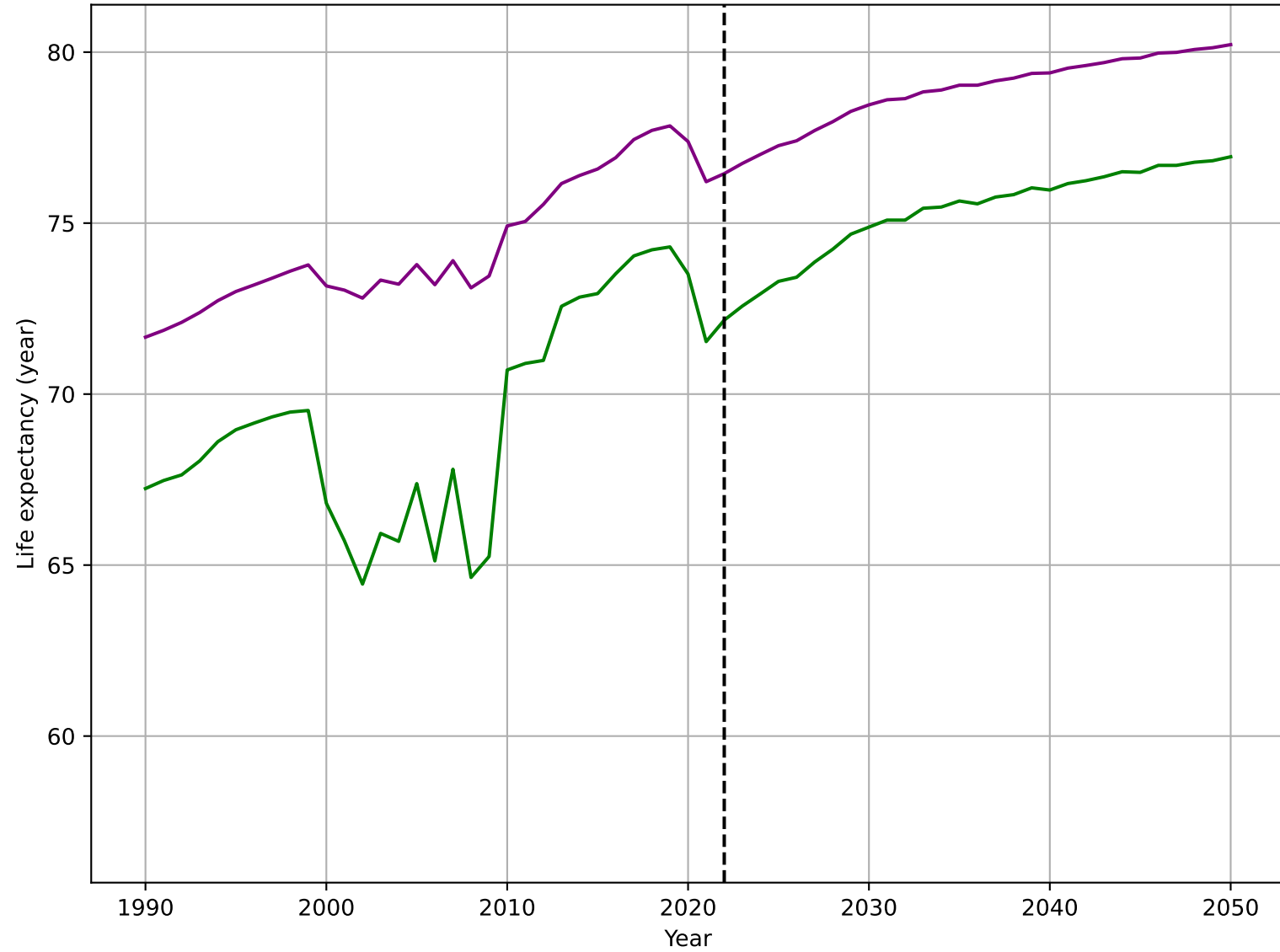


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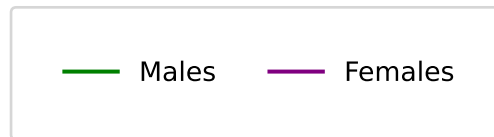
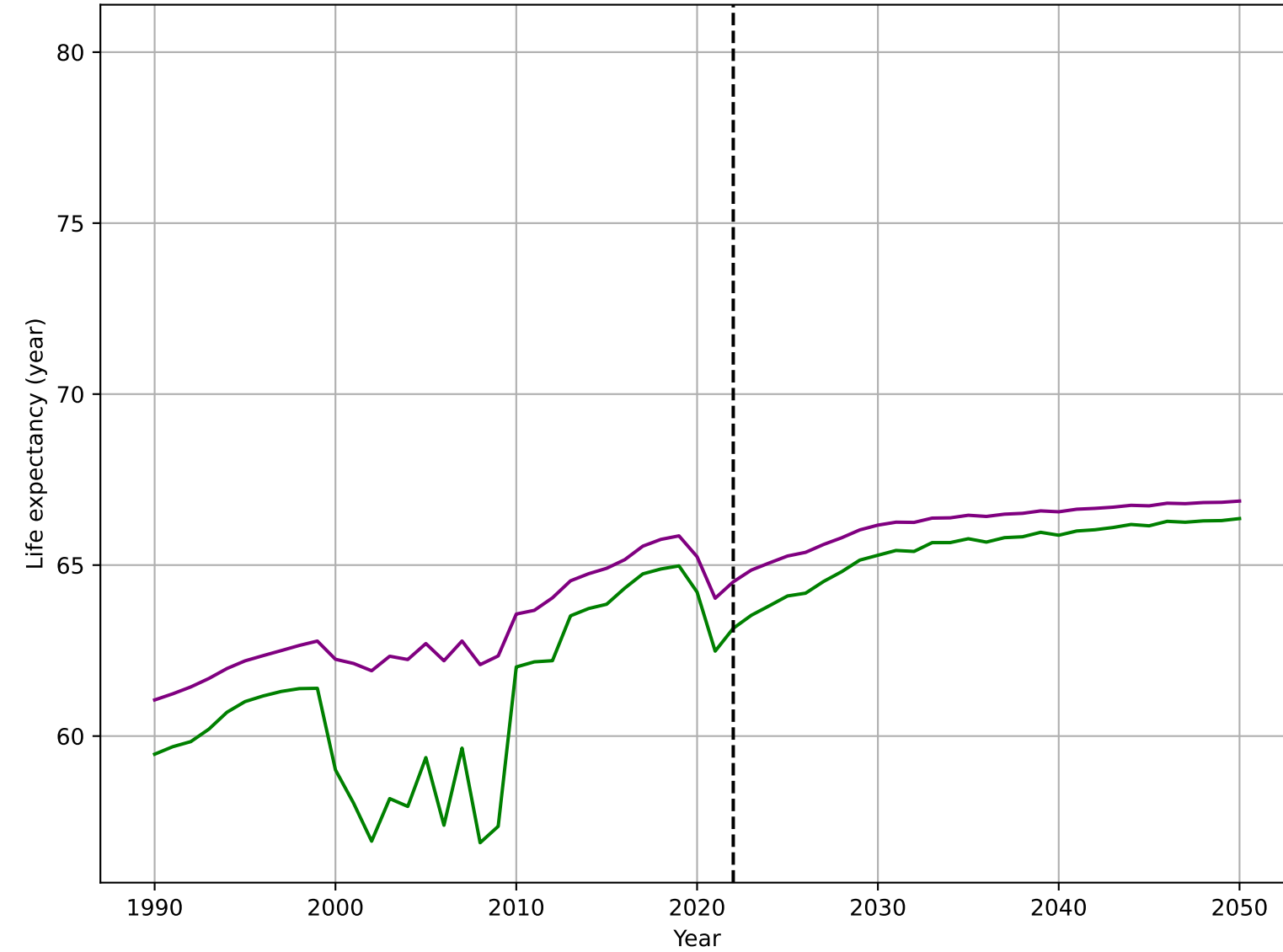


# Palestine

### Life Expectancy

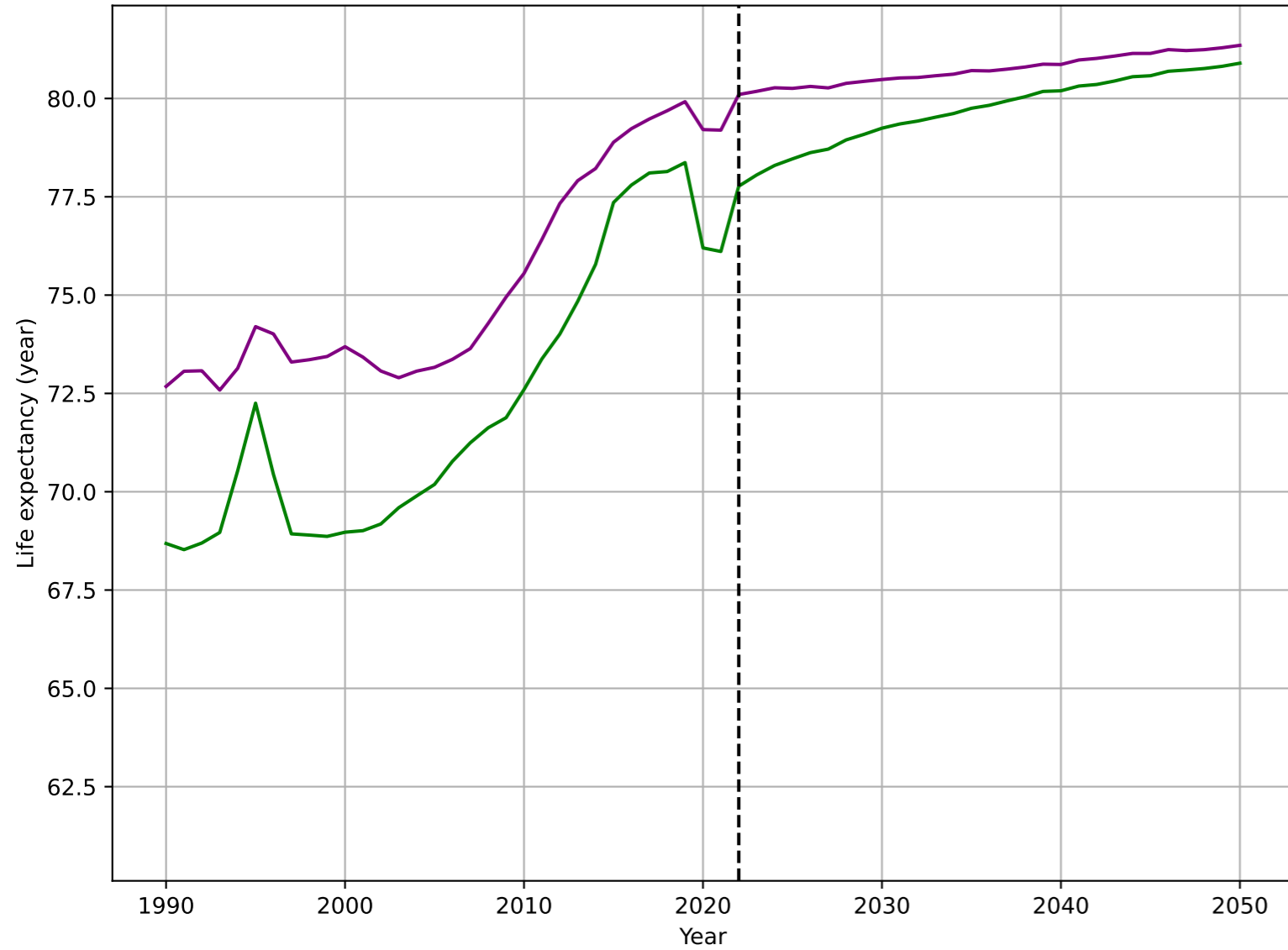


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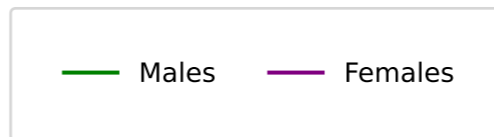
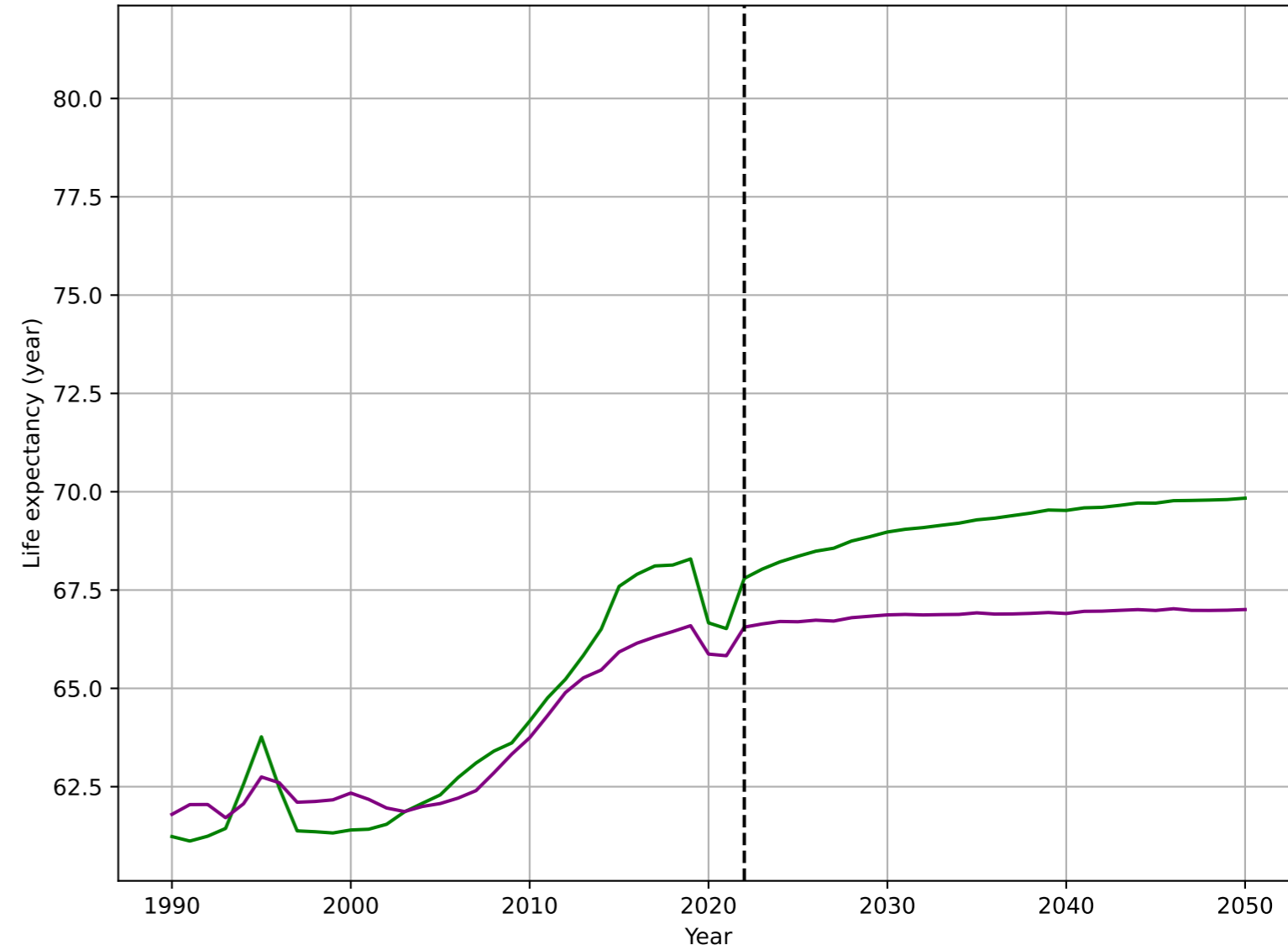


# Qatar

### Life Expectancy

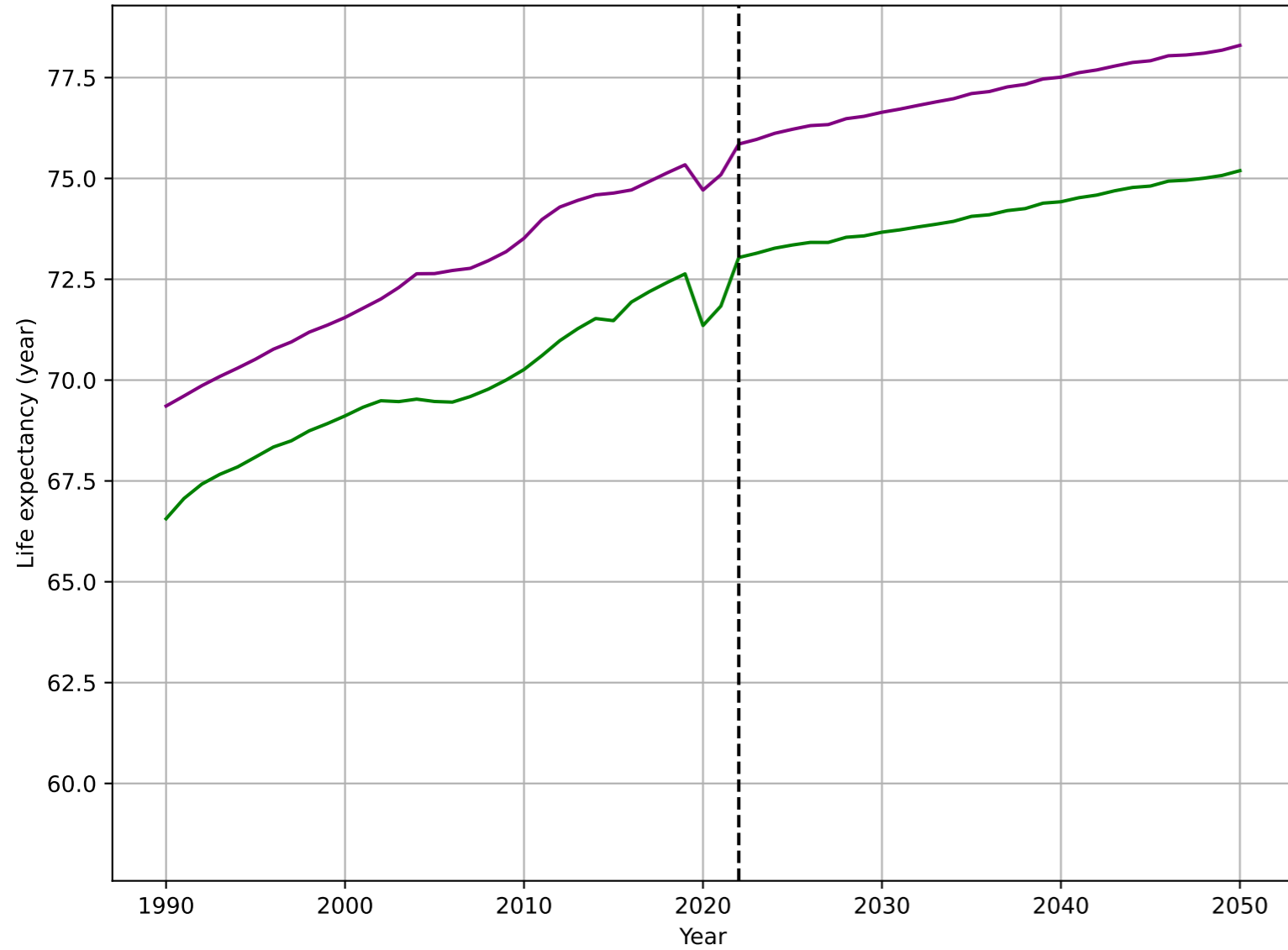


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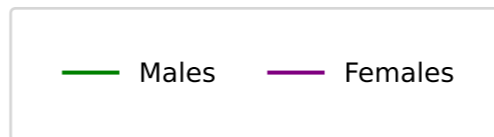
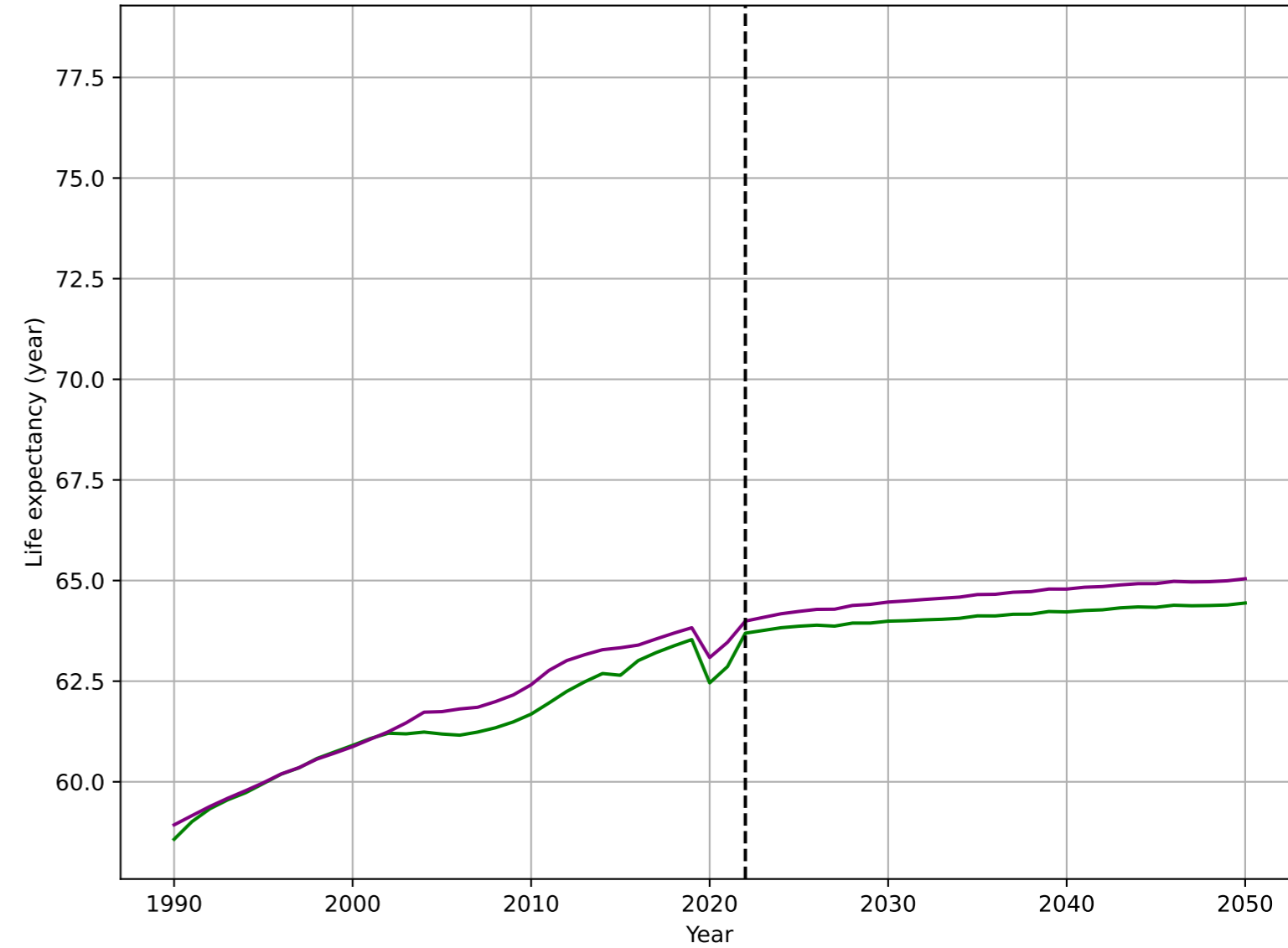


# Saudi Arabia

## Life Expectancy

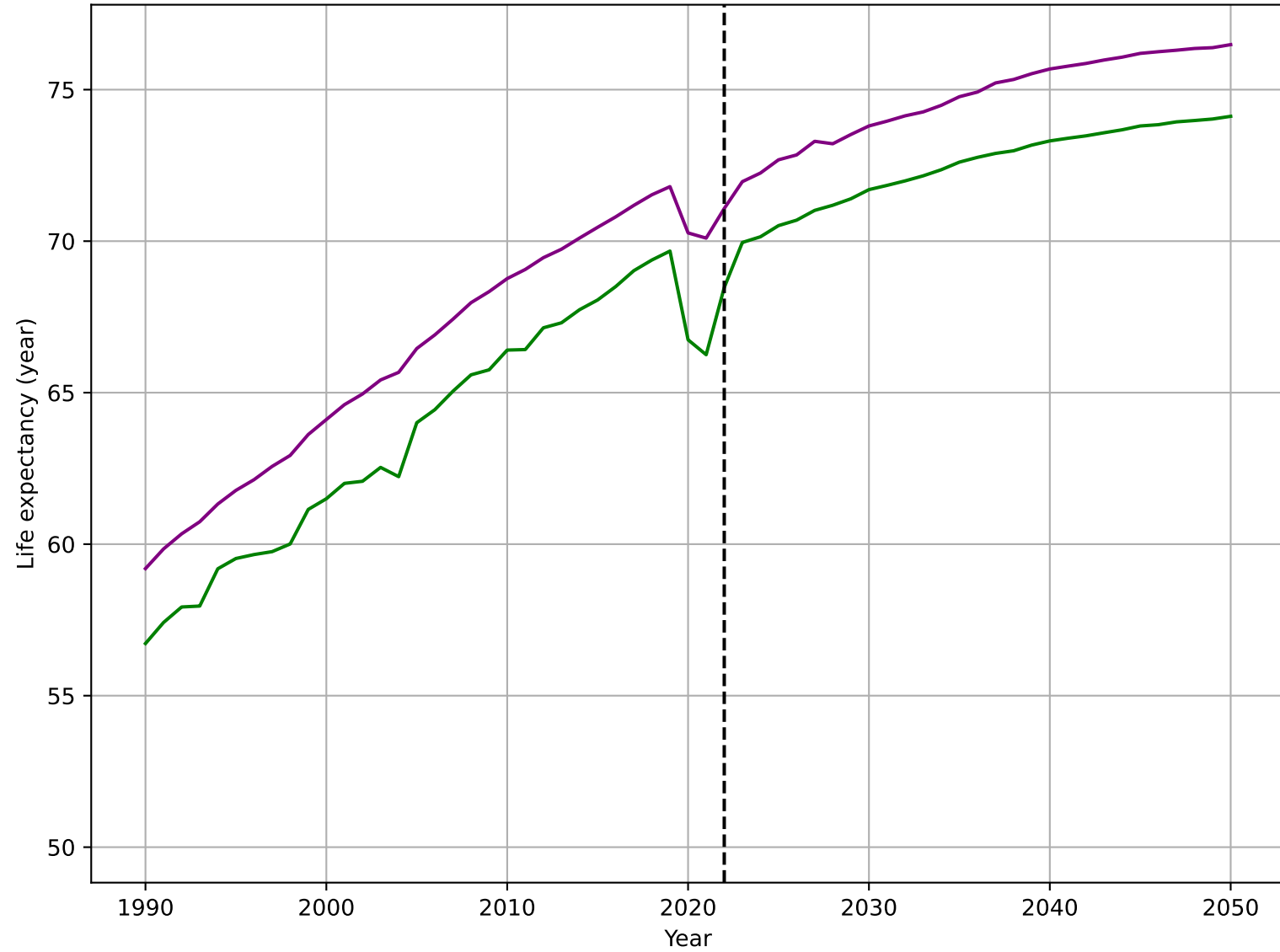


## Healthy Life Expectancy (HALE)

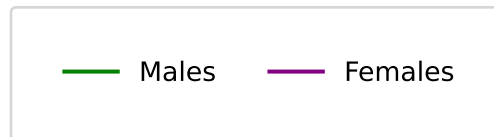
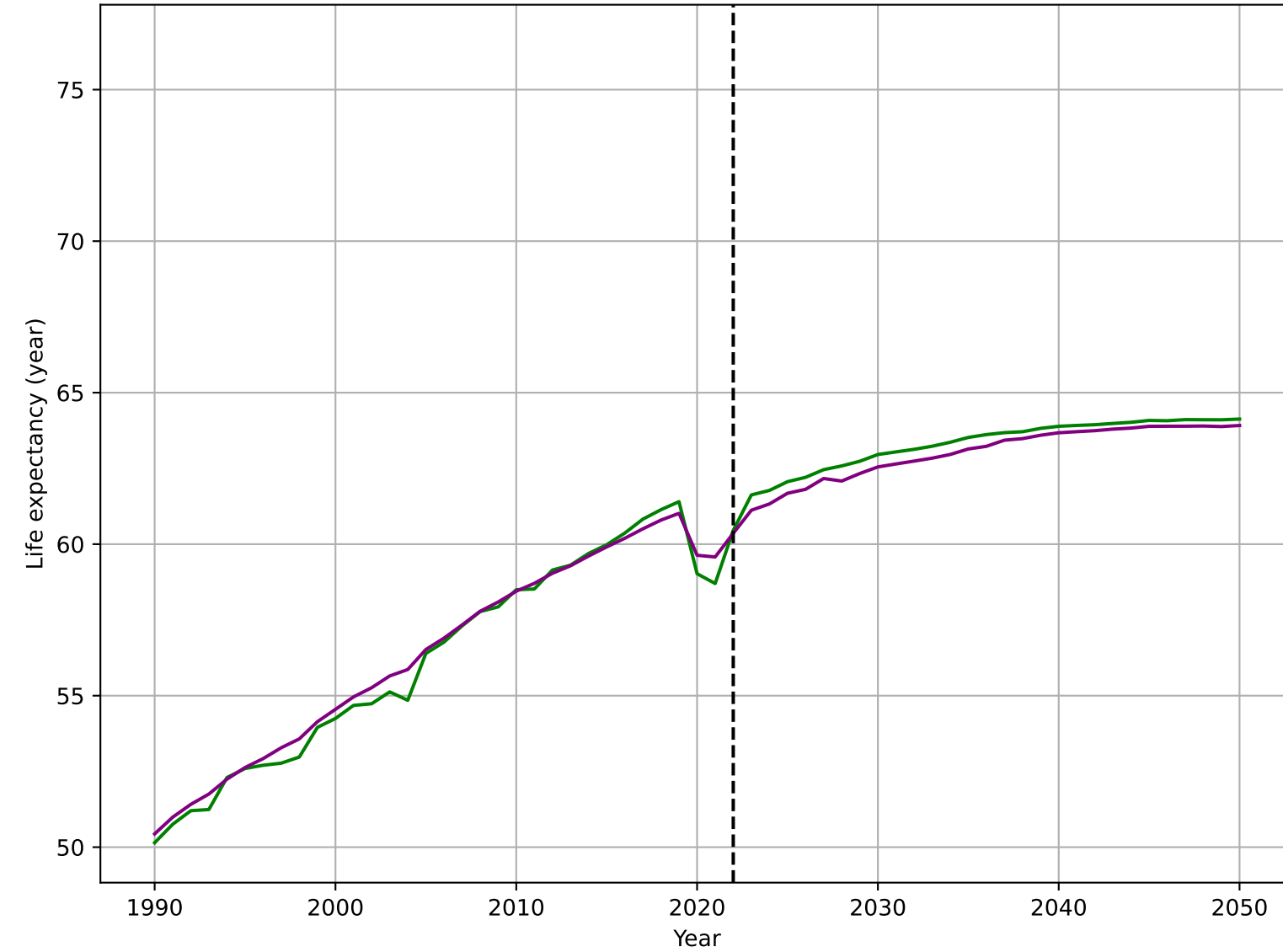


# Sudan

### Life Expectancy

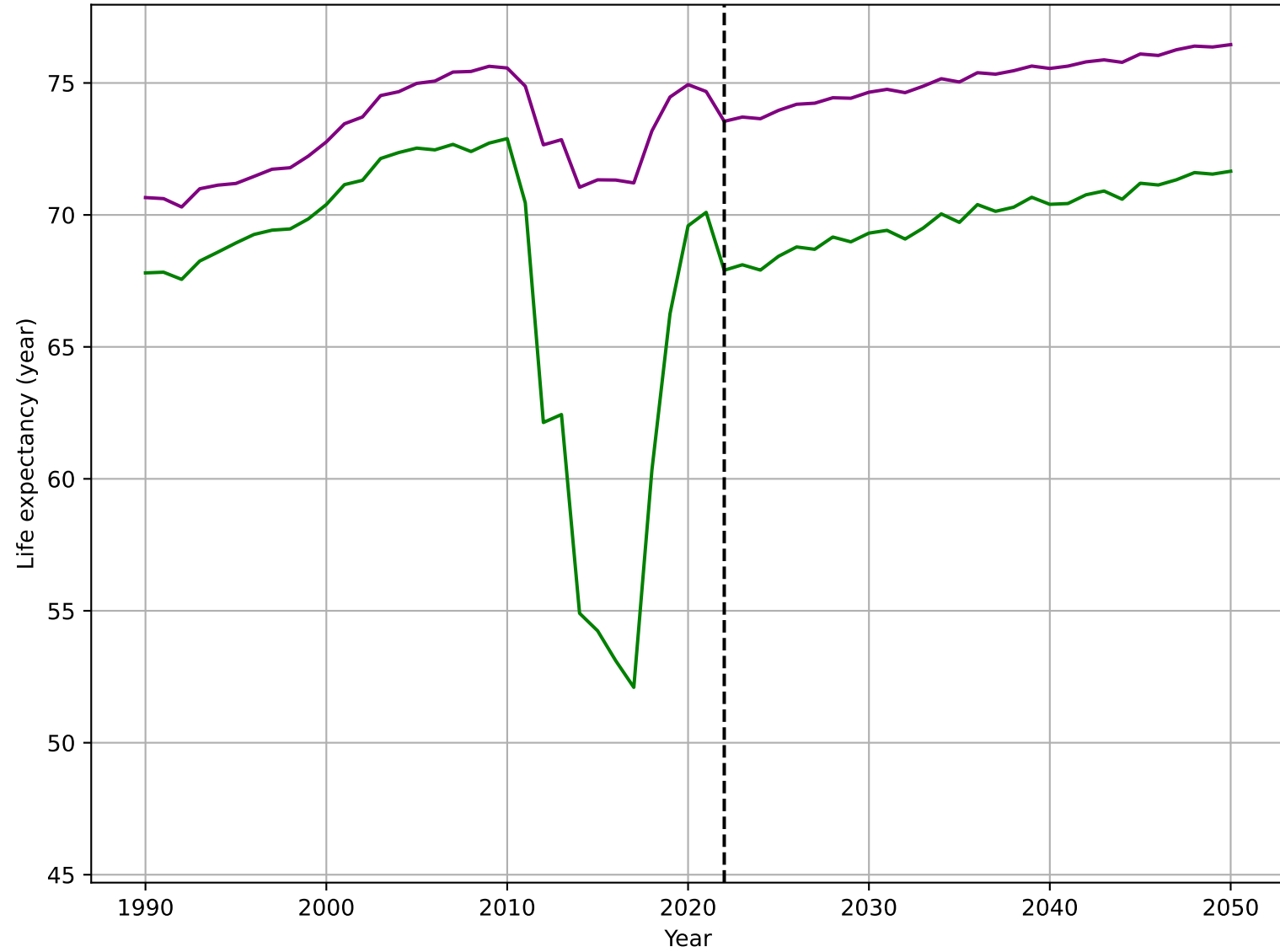


### Healthy Life Expectancy (HALE)

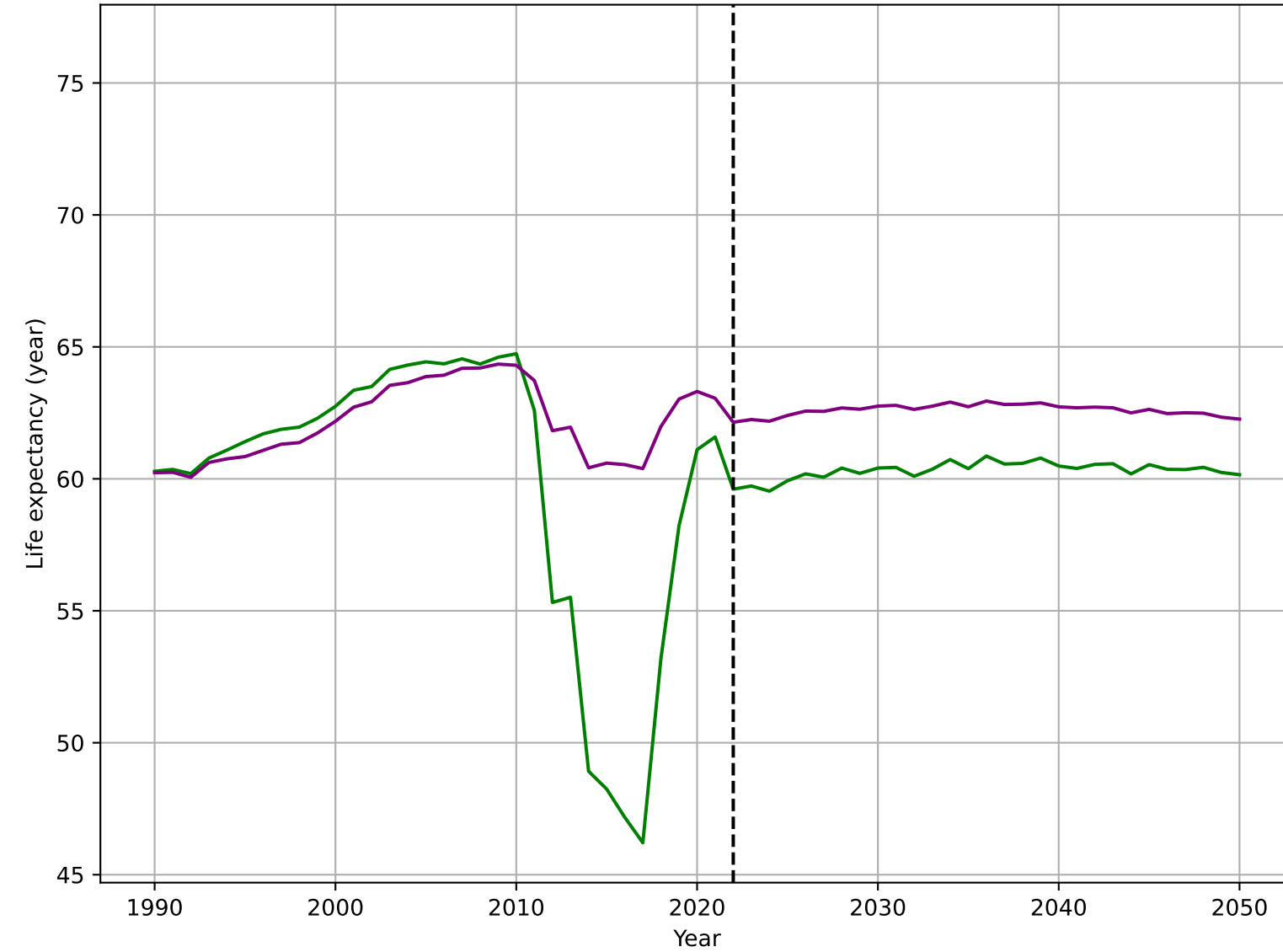


# Syria

### Life Expectancy

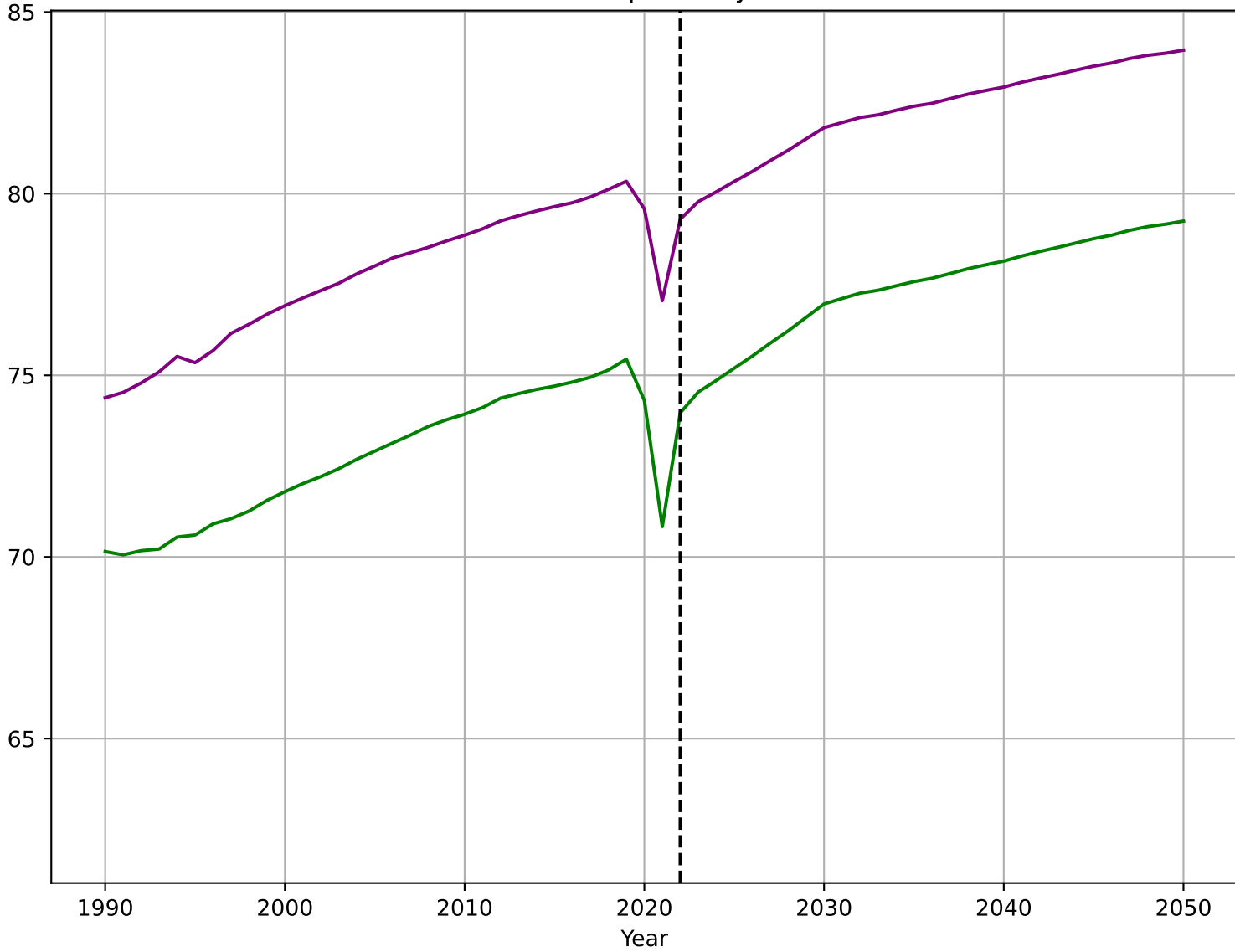


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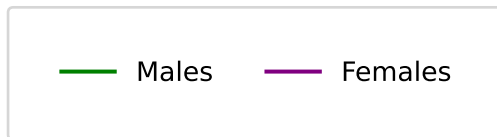
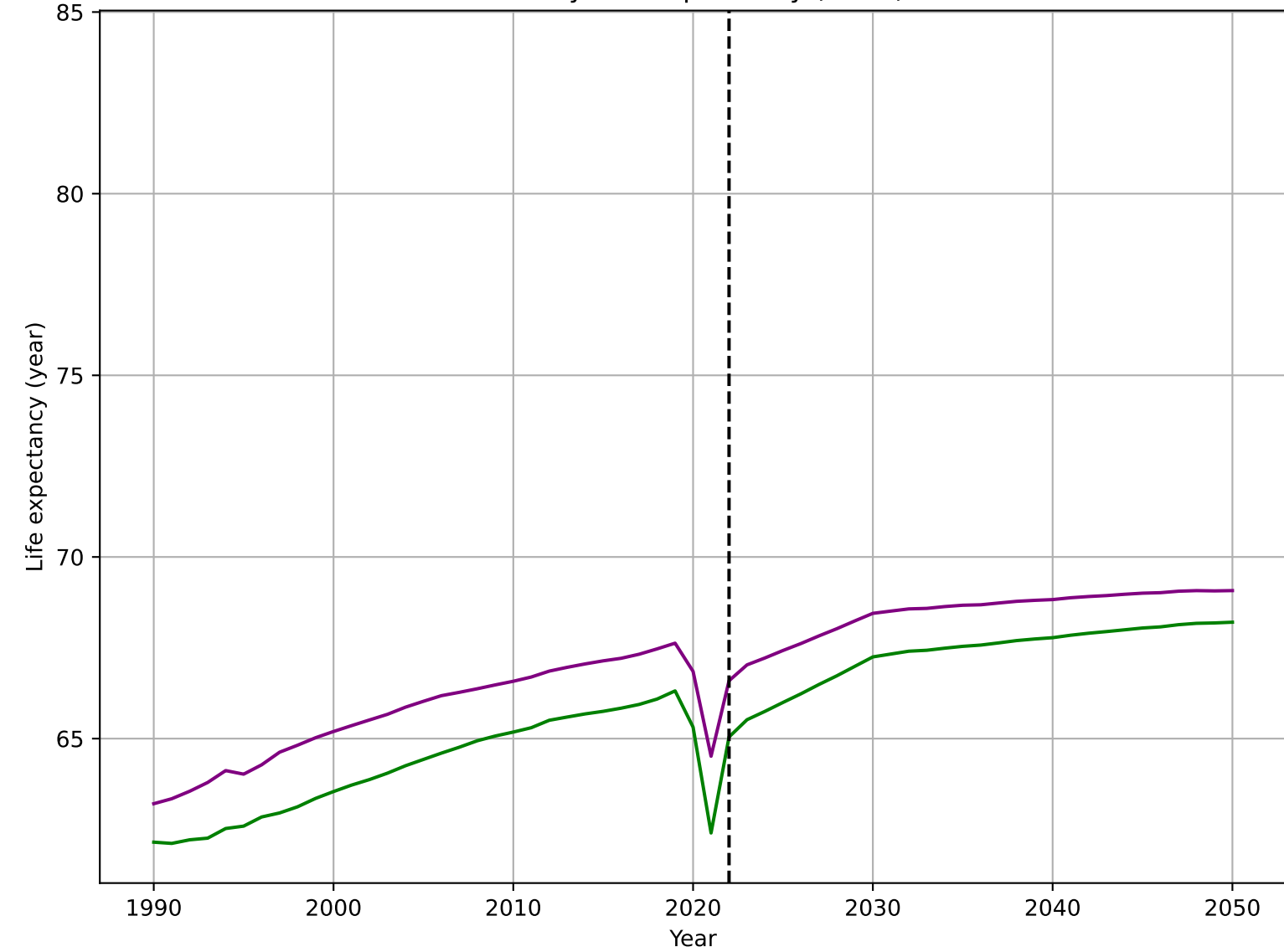


# Tunisia

### Life Expectancy



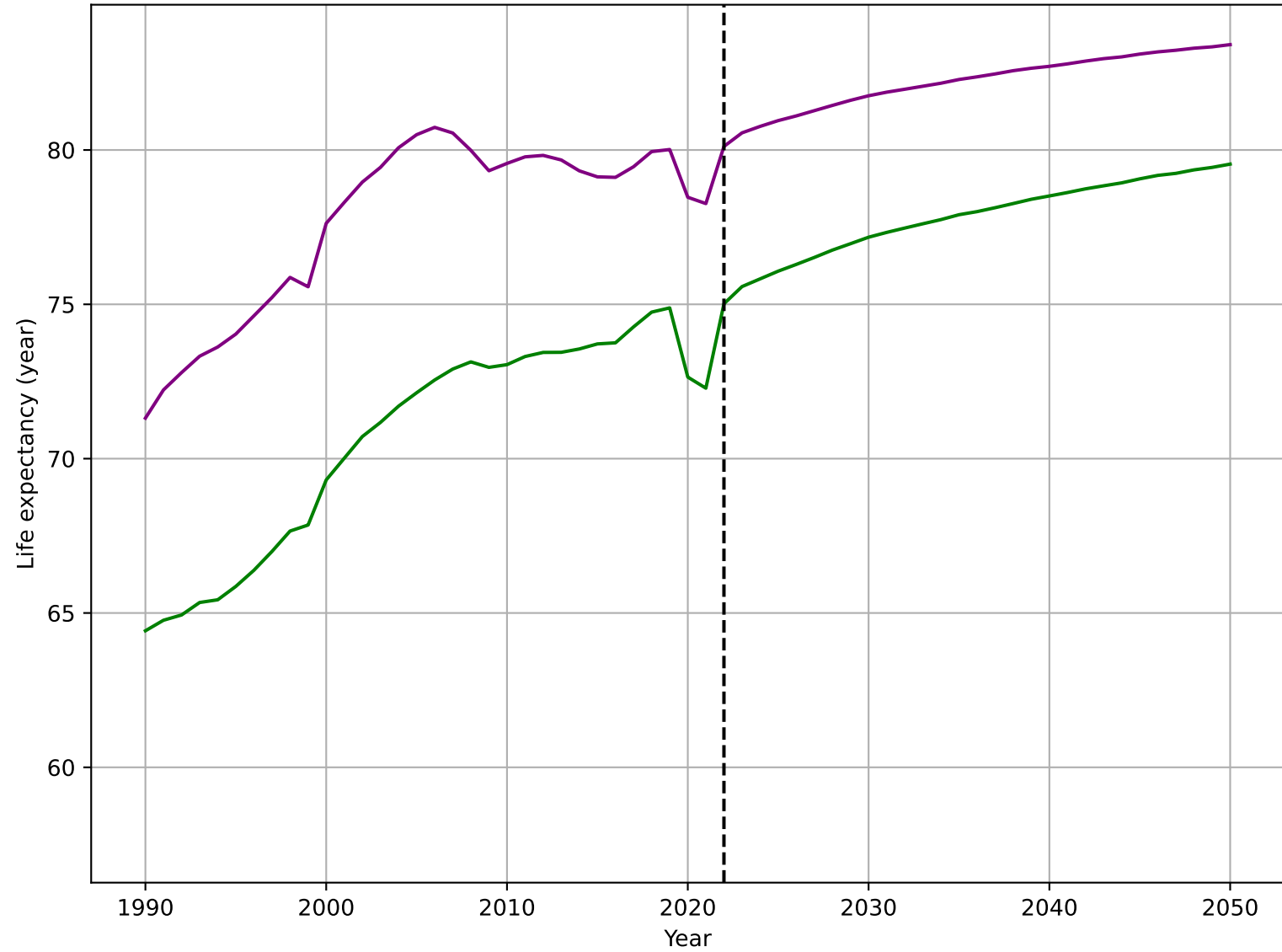
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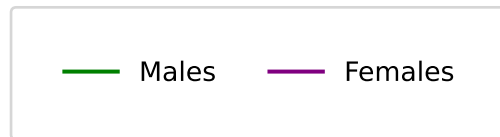
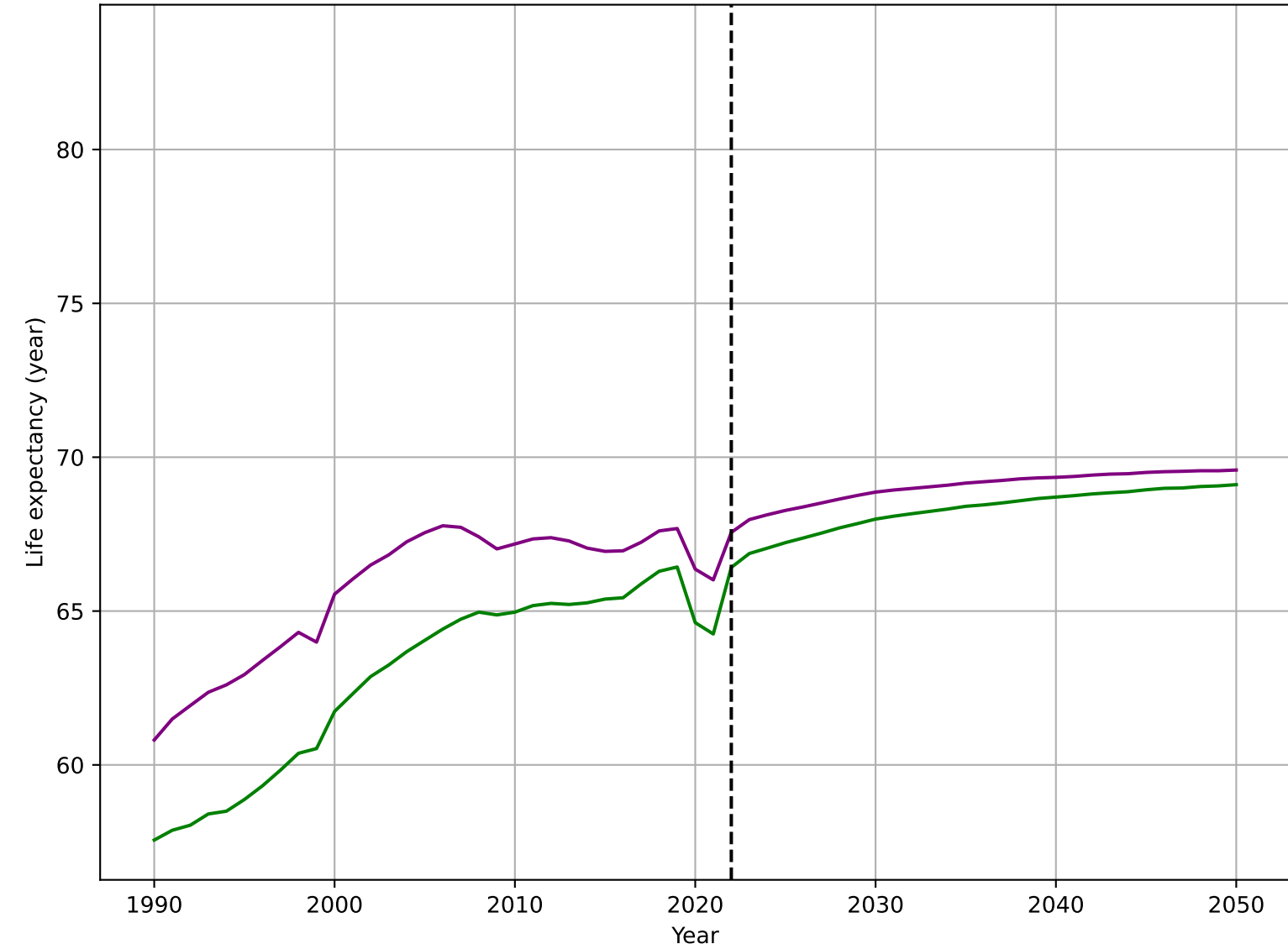


# Türkiye

### Life Expectancy

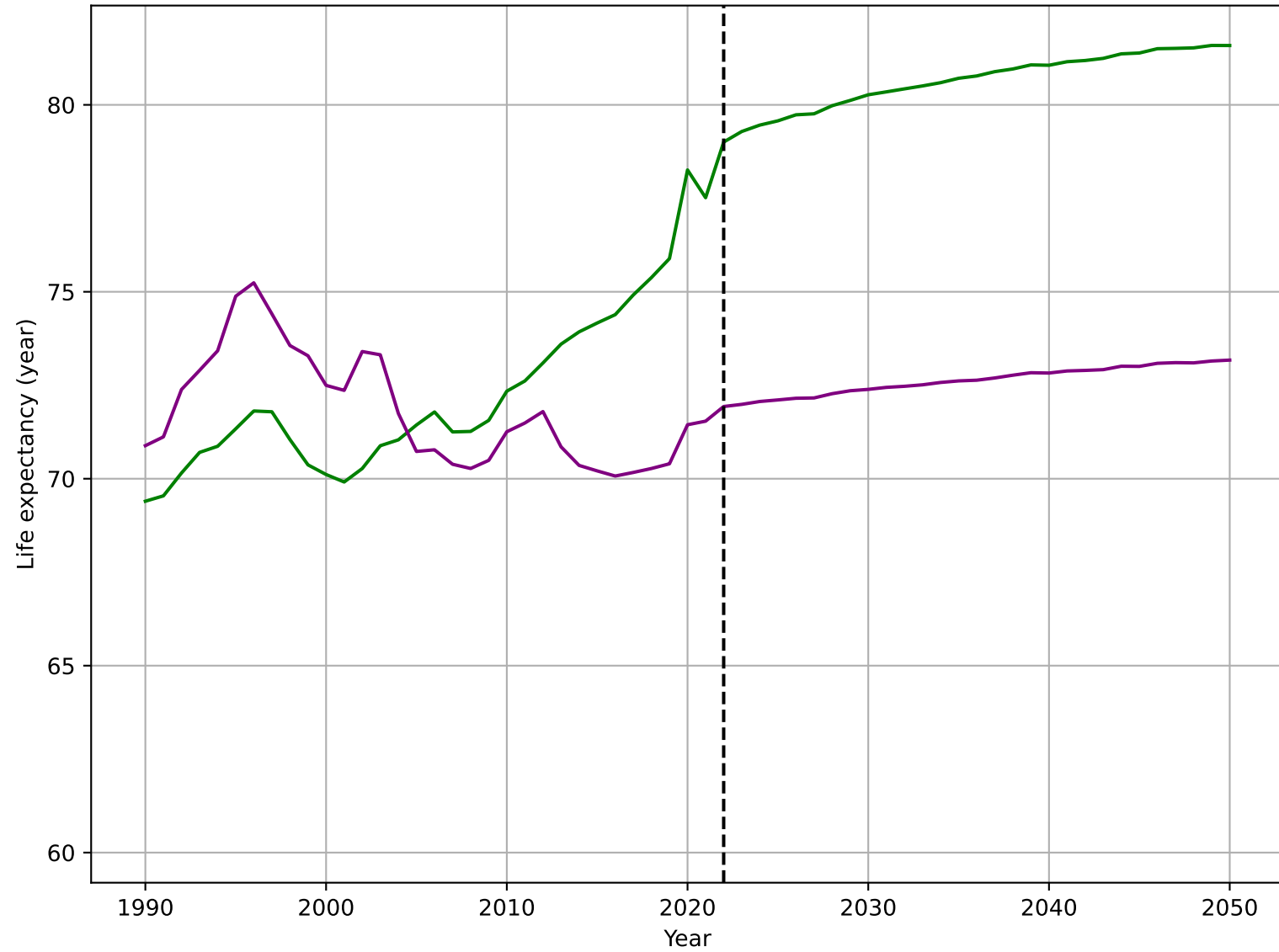


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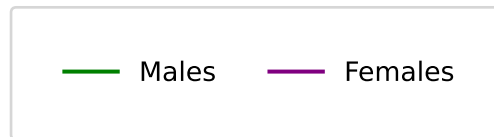
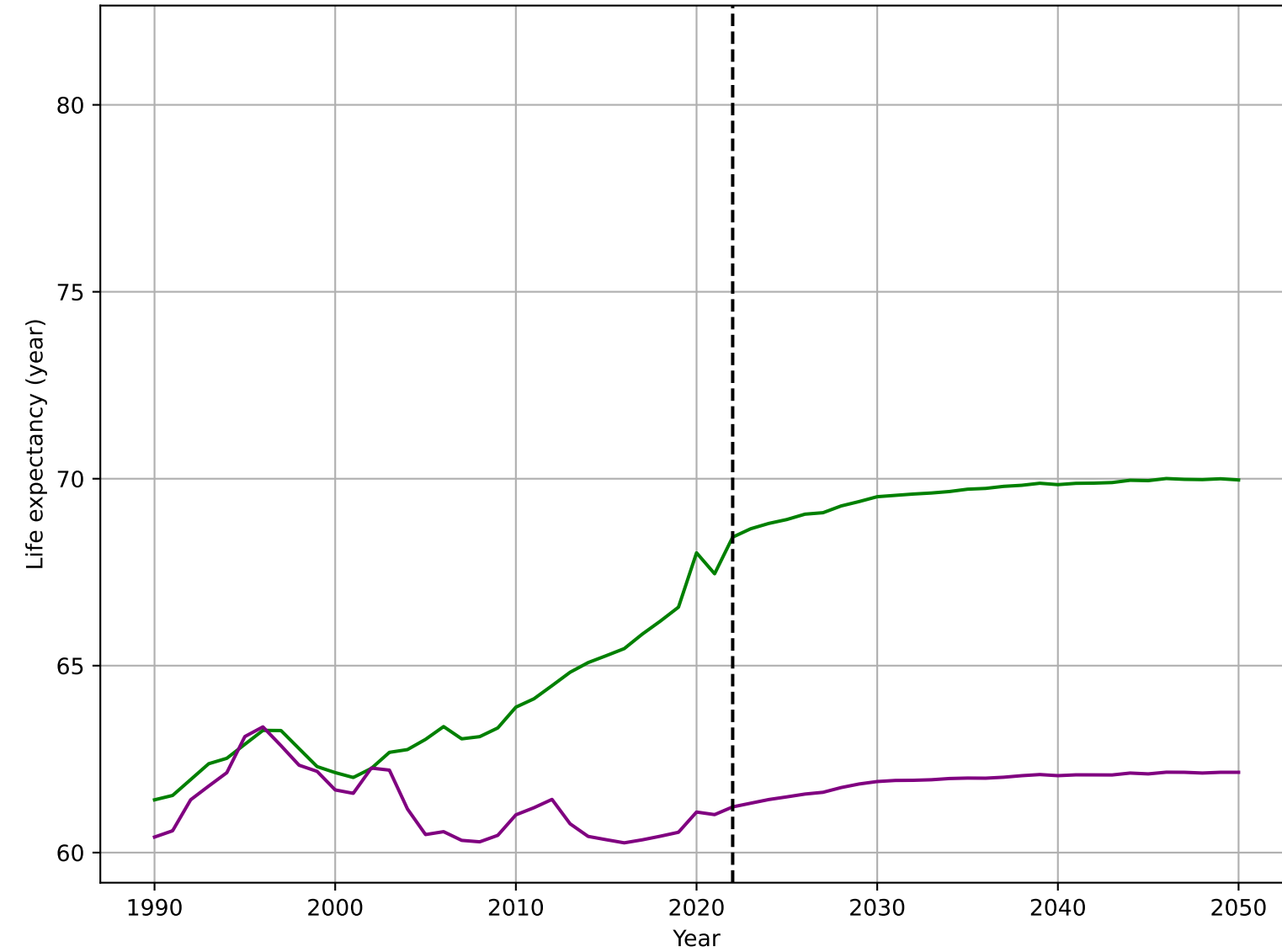


# United Arab Emirates

### Life Expectancy

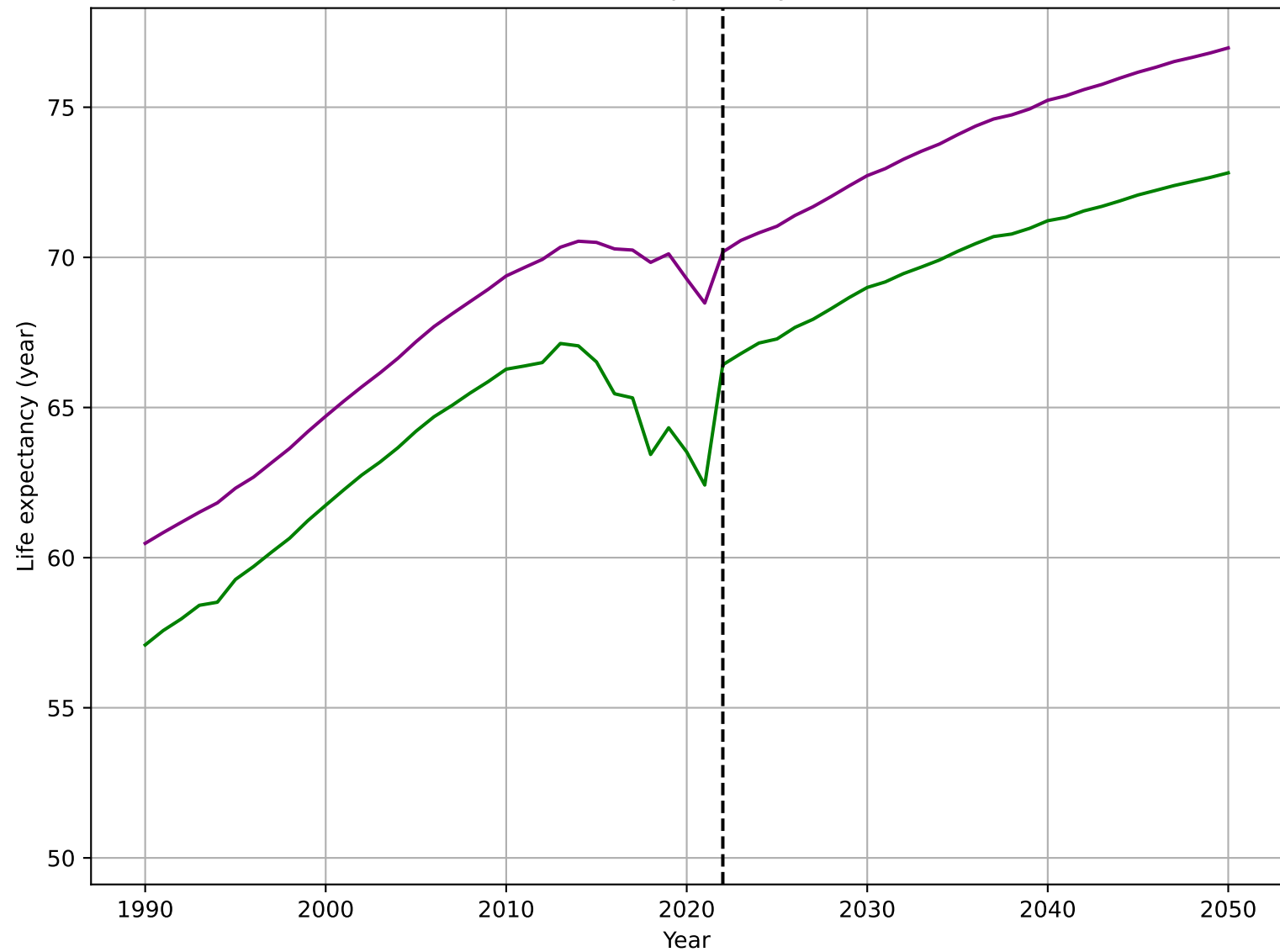


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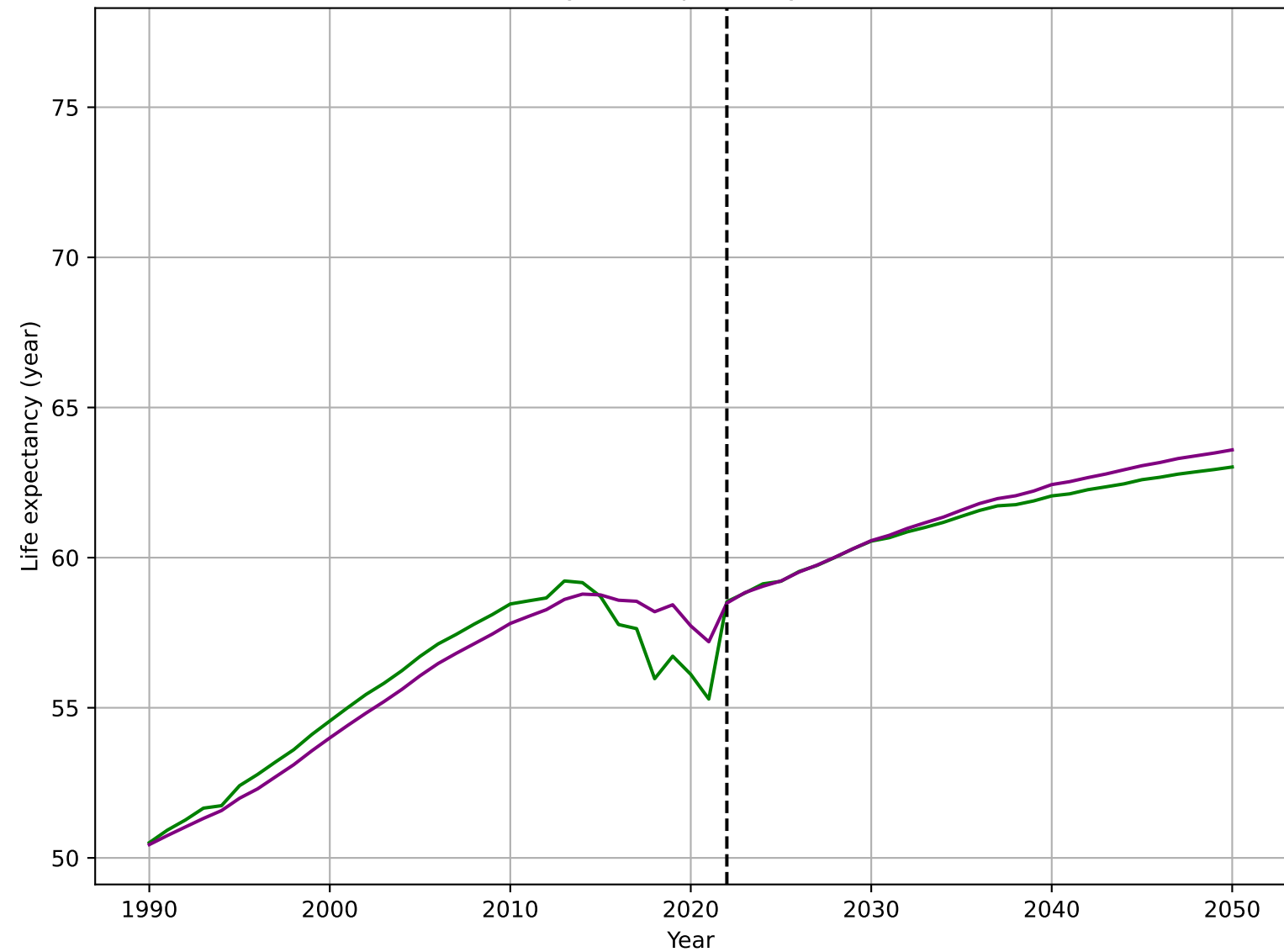


# Yemen

### Life Expectancy

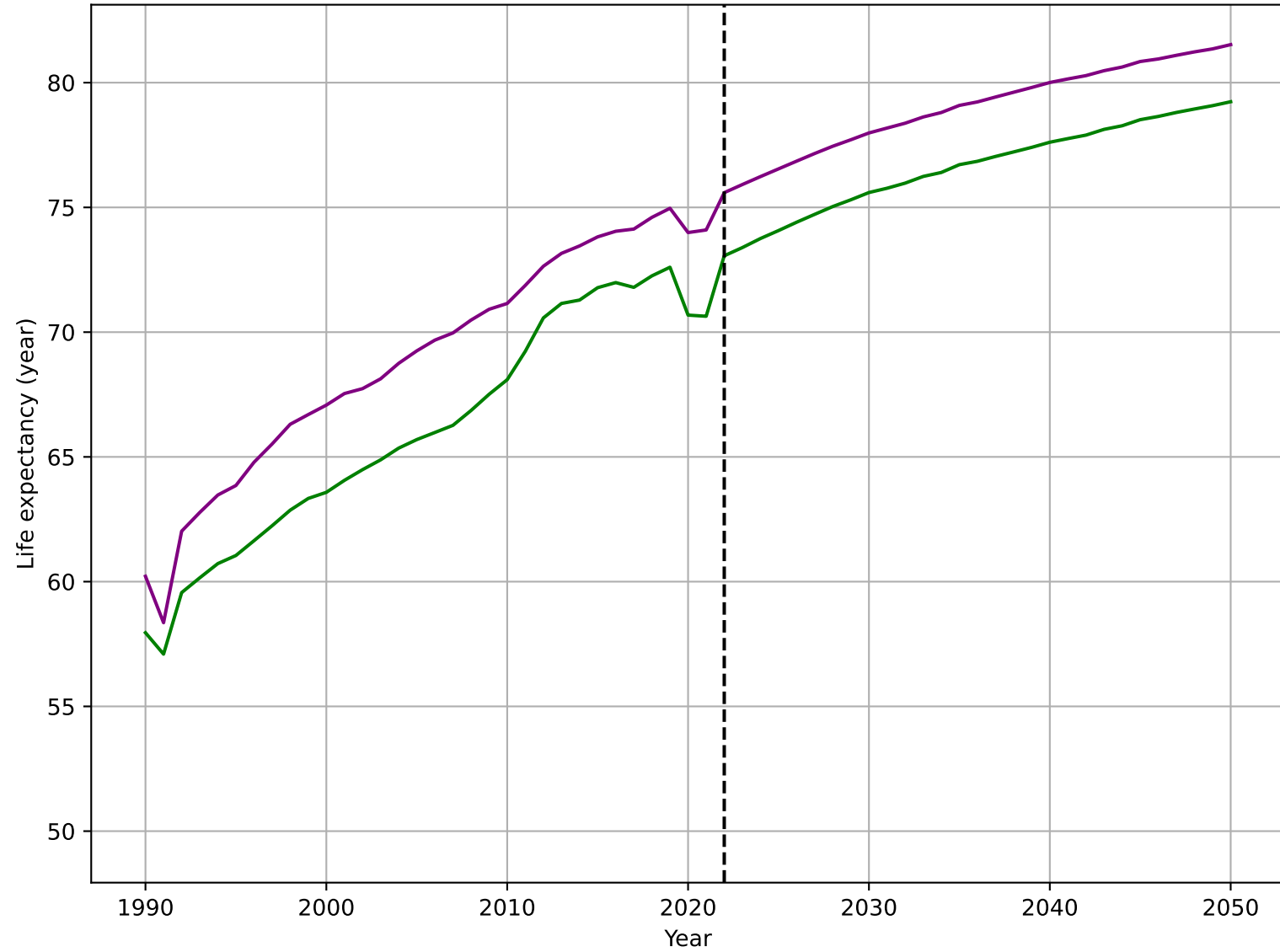


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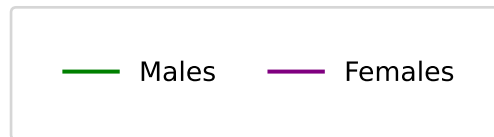
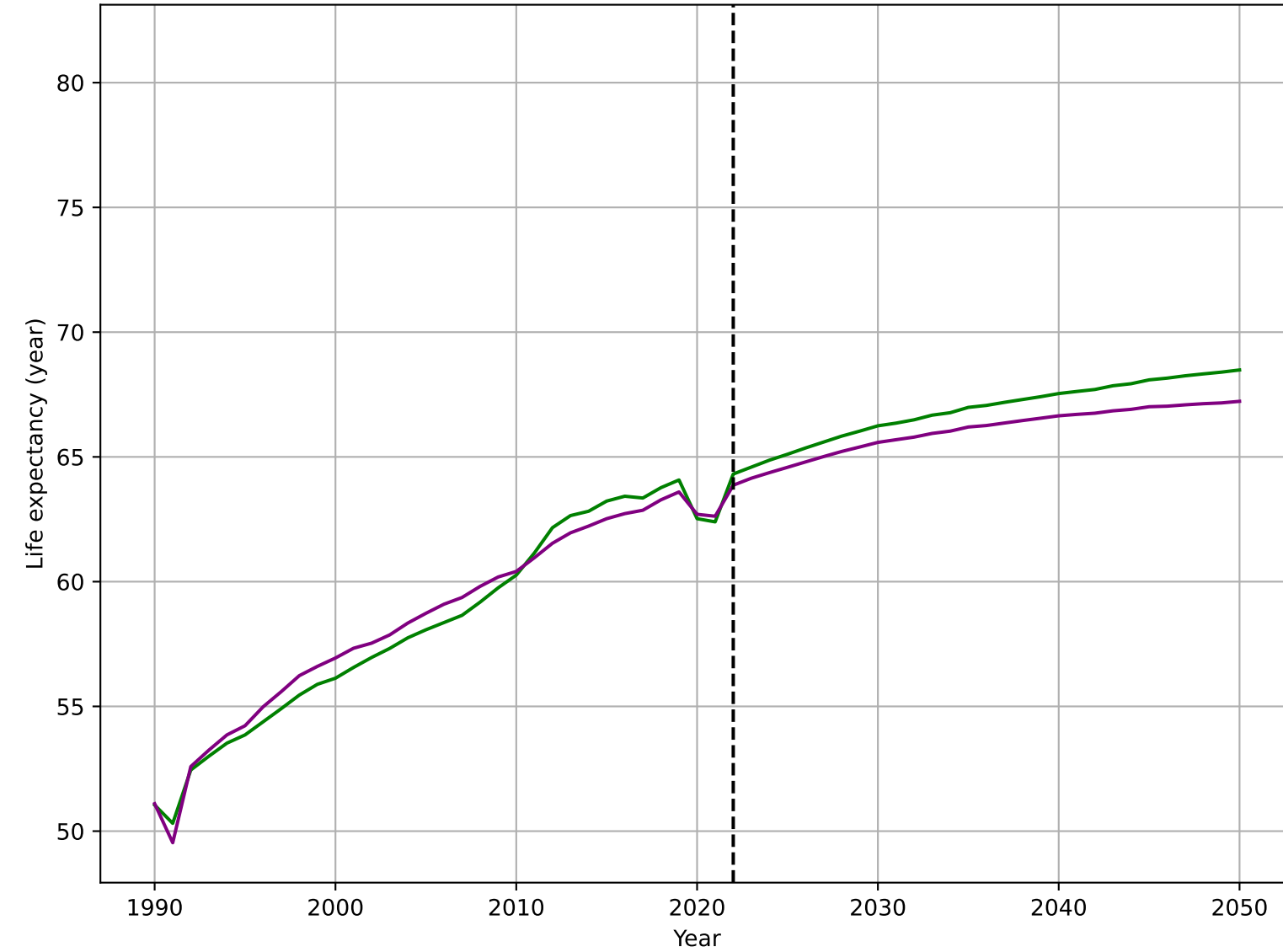


# Bangladesh

### Life Expectancy

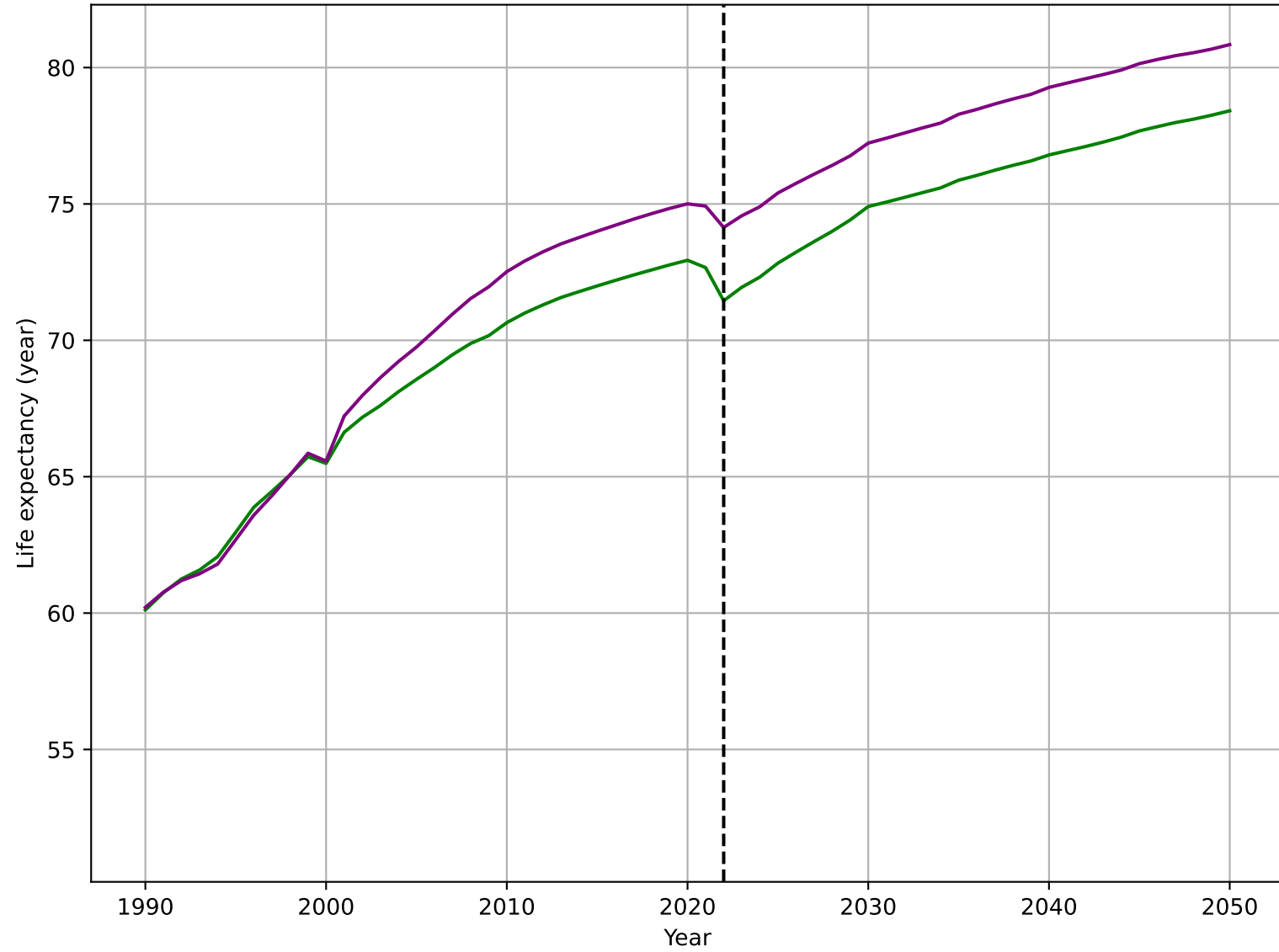


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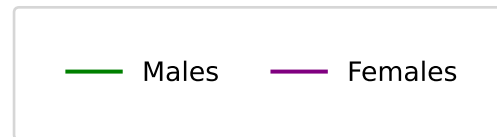
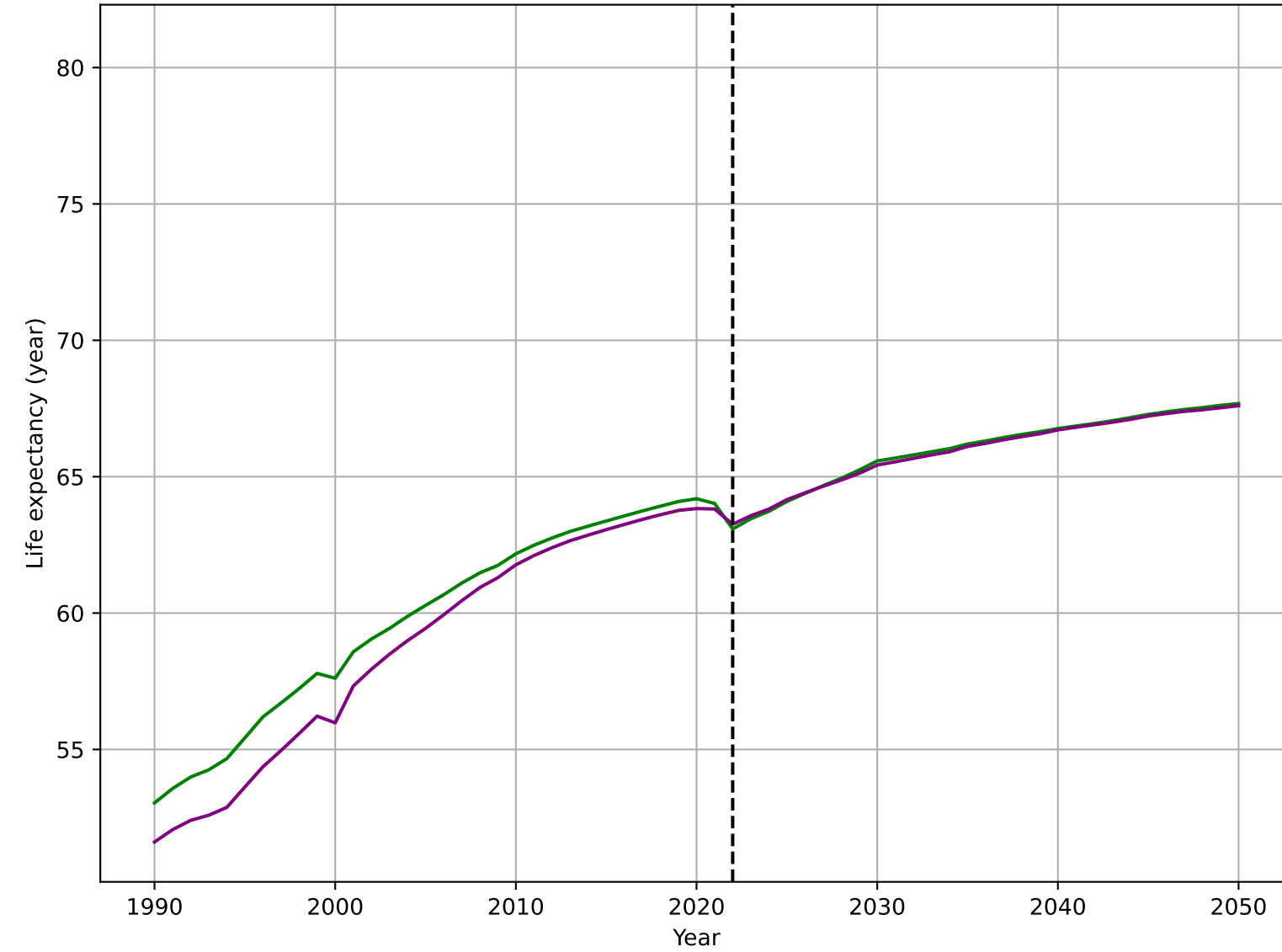


# Bhutan

### Life Expectancy

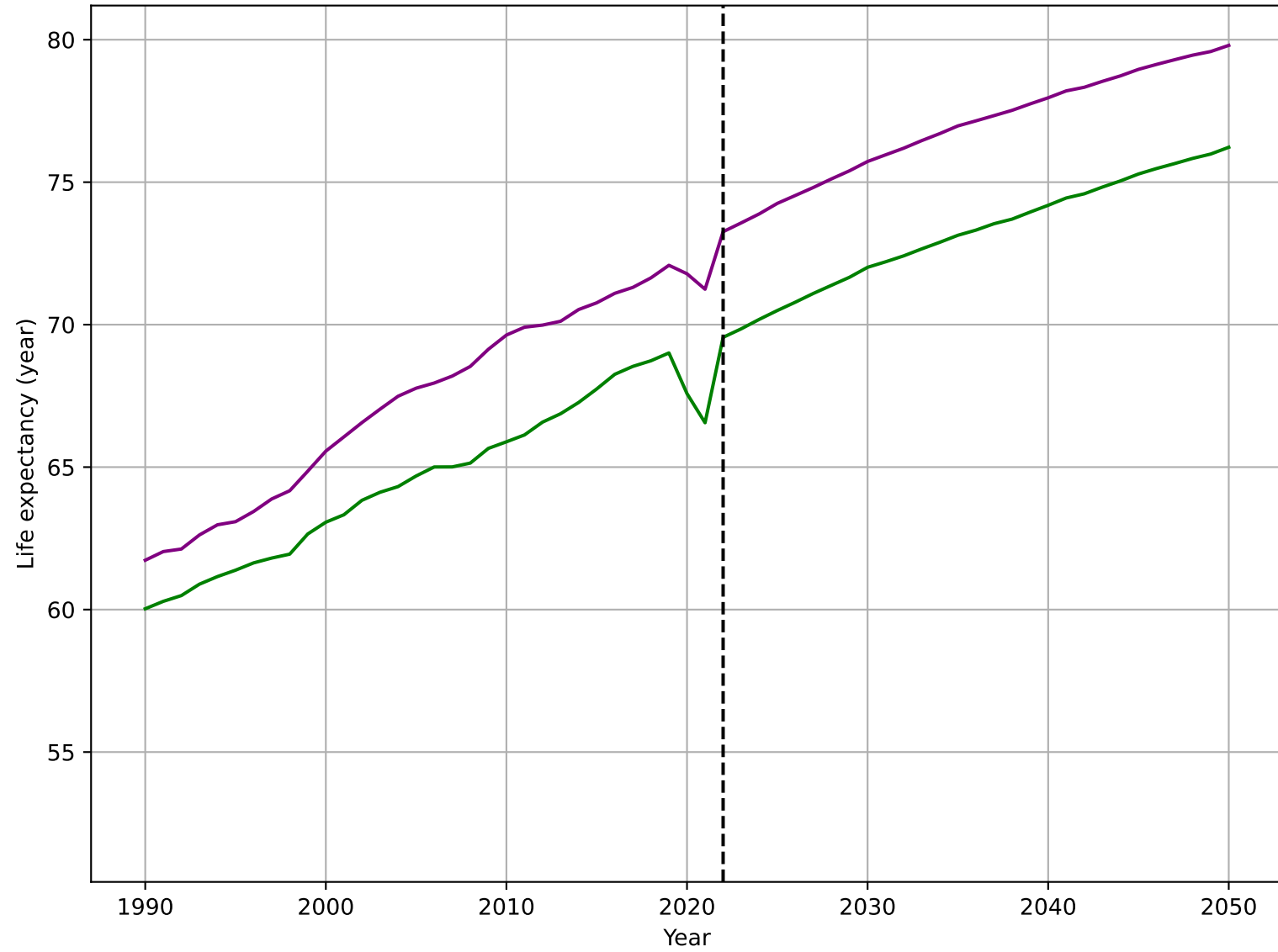


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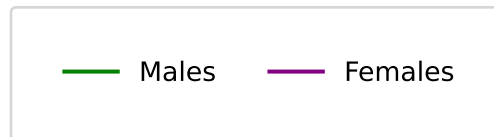
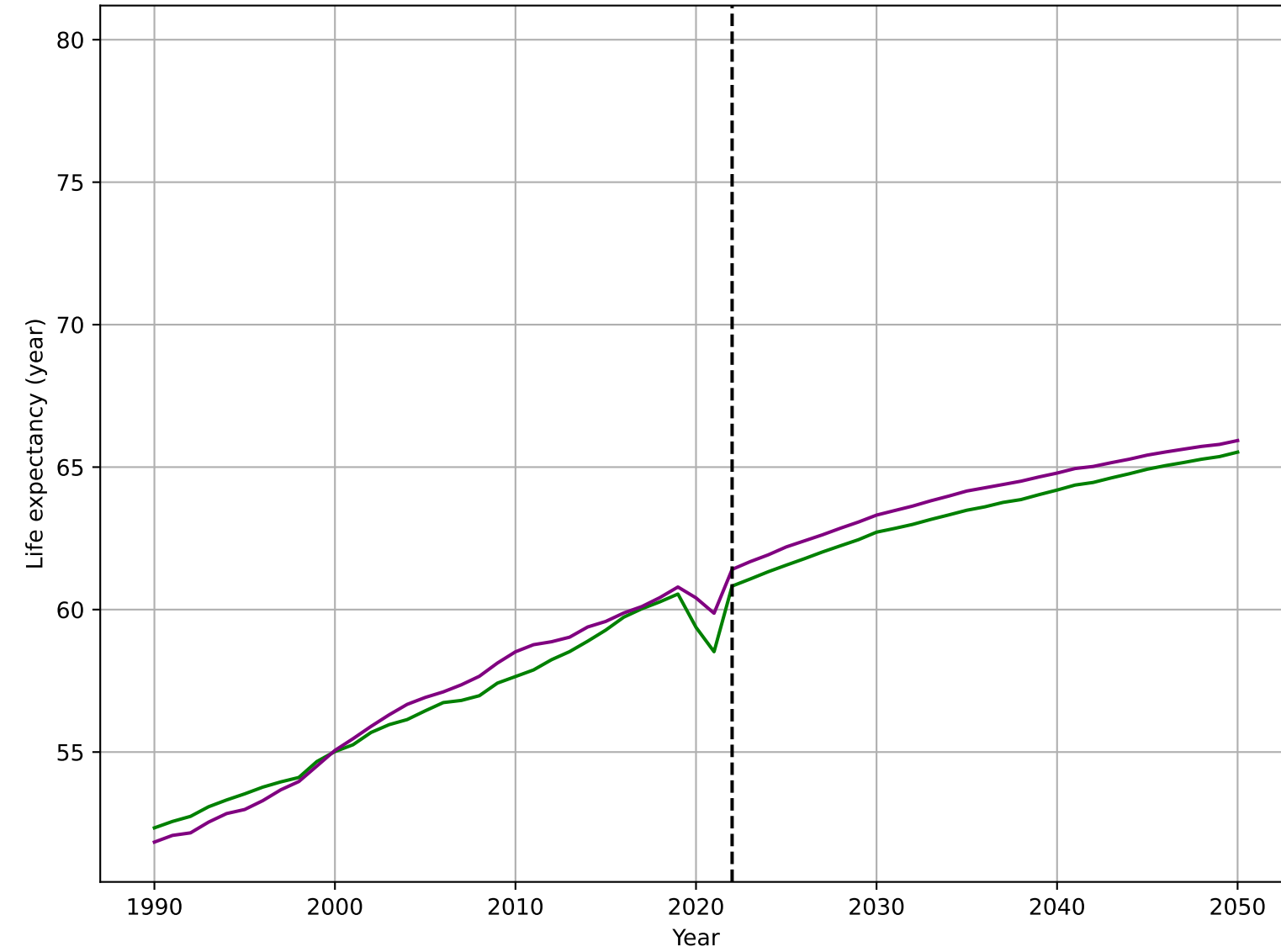


# India

### Life Expectancy

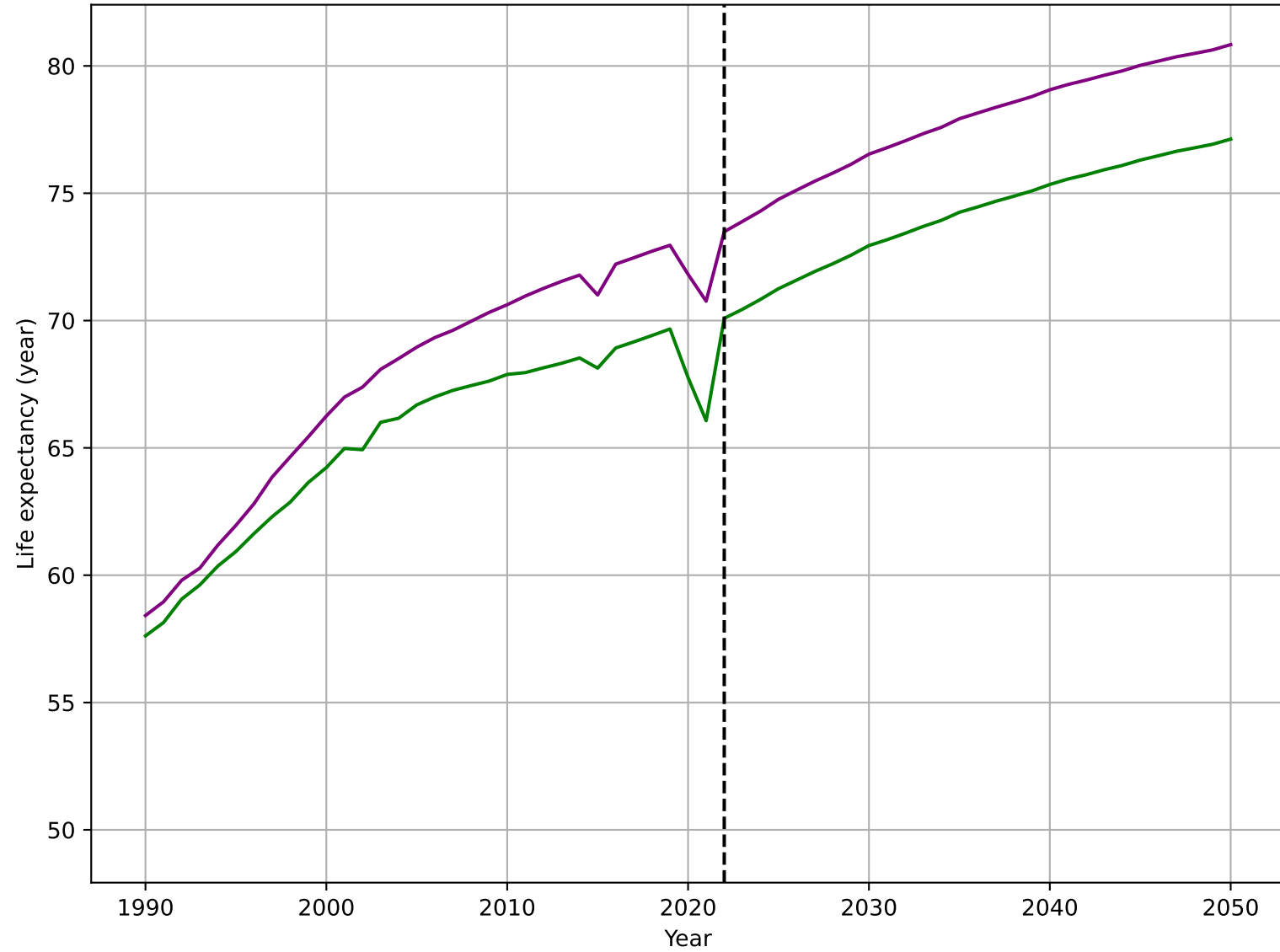


### Healthy Life Expectancy (HALE)

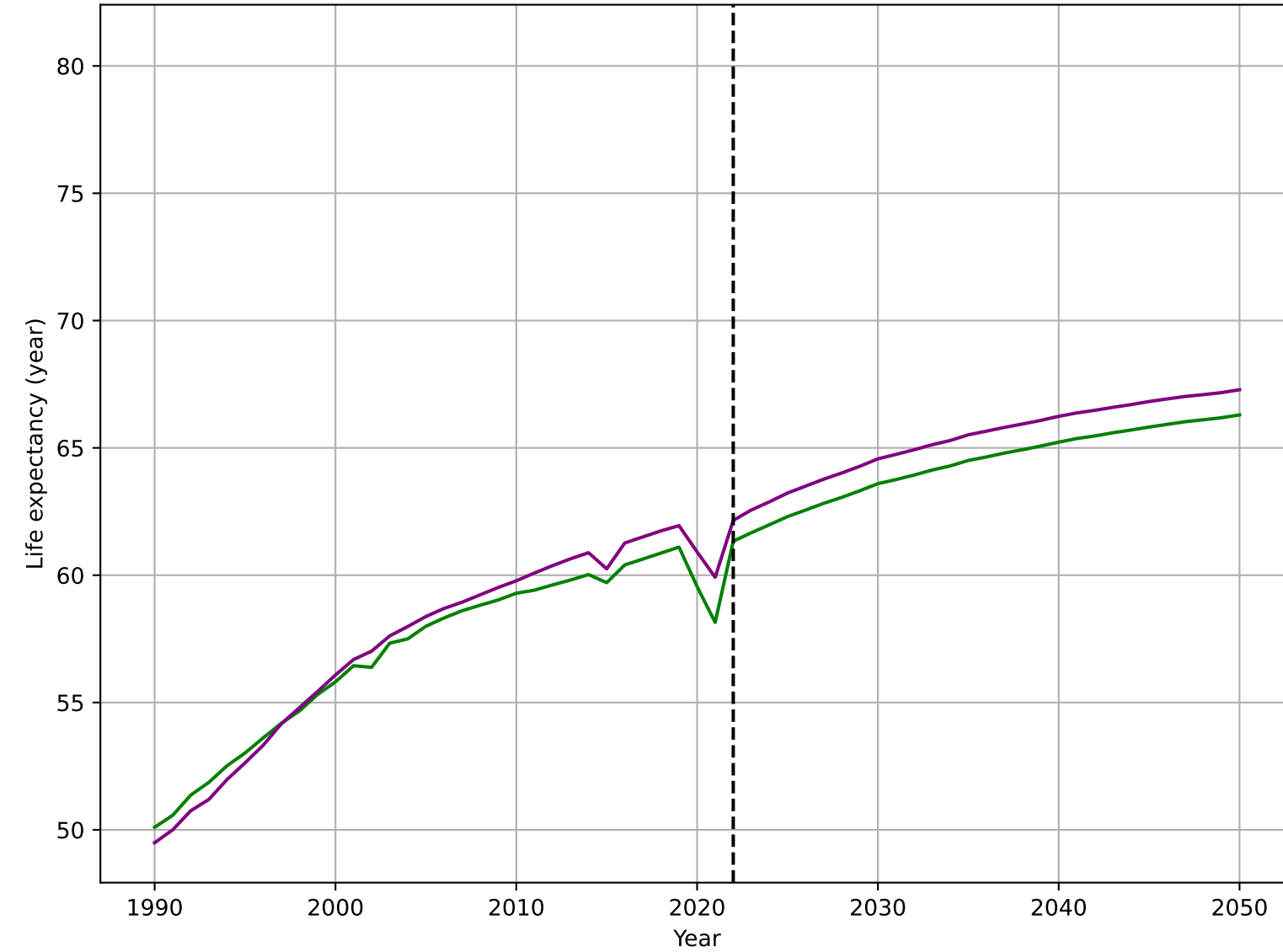


# Nepal

### Life Expectancy

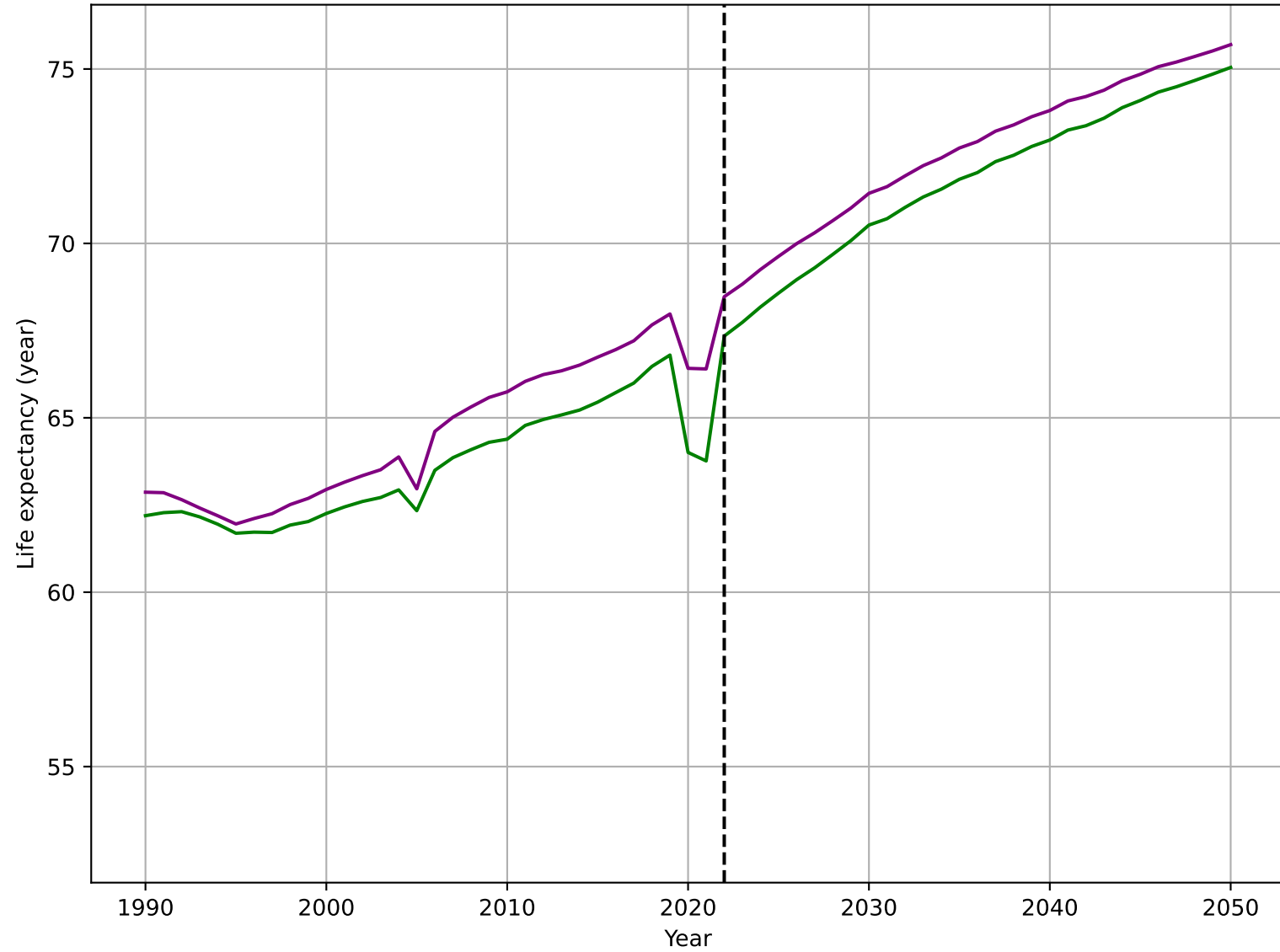


### Healthy Life Expectancy (HALE)

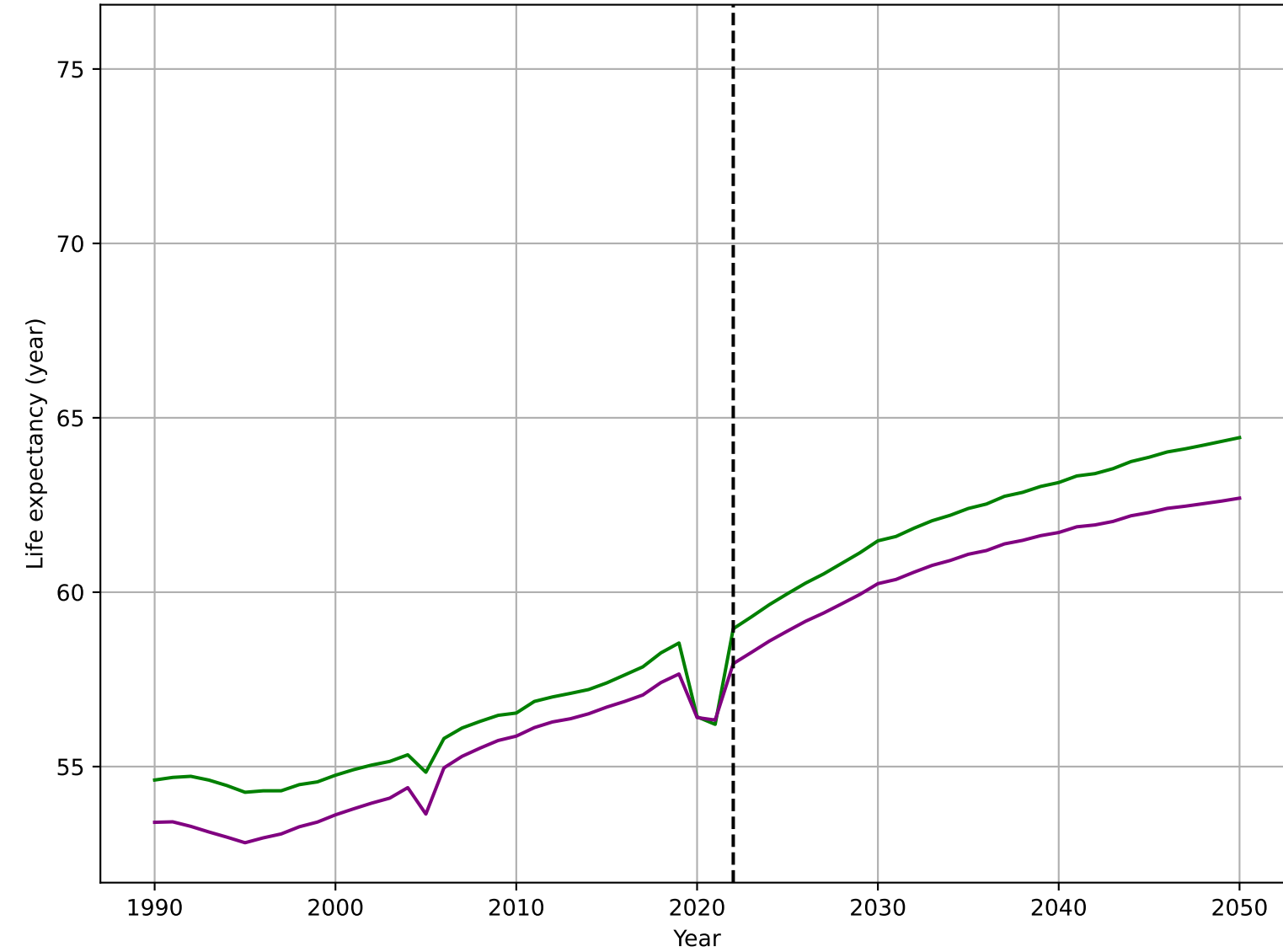


# Pakistan

### Life Expectancy



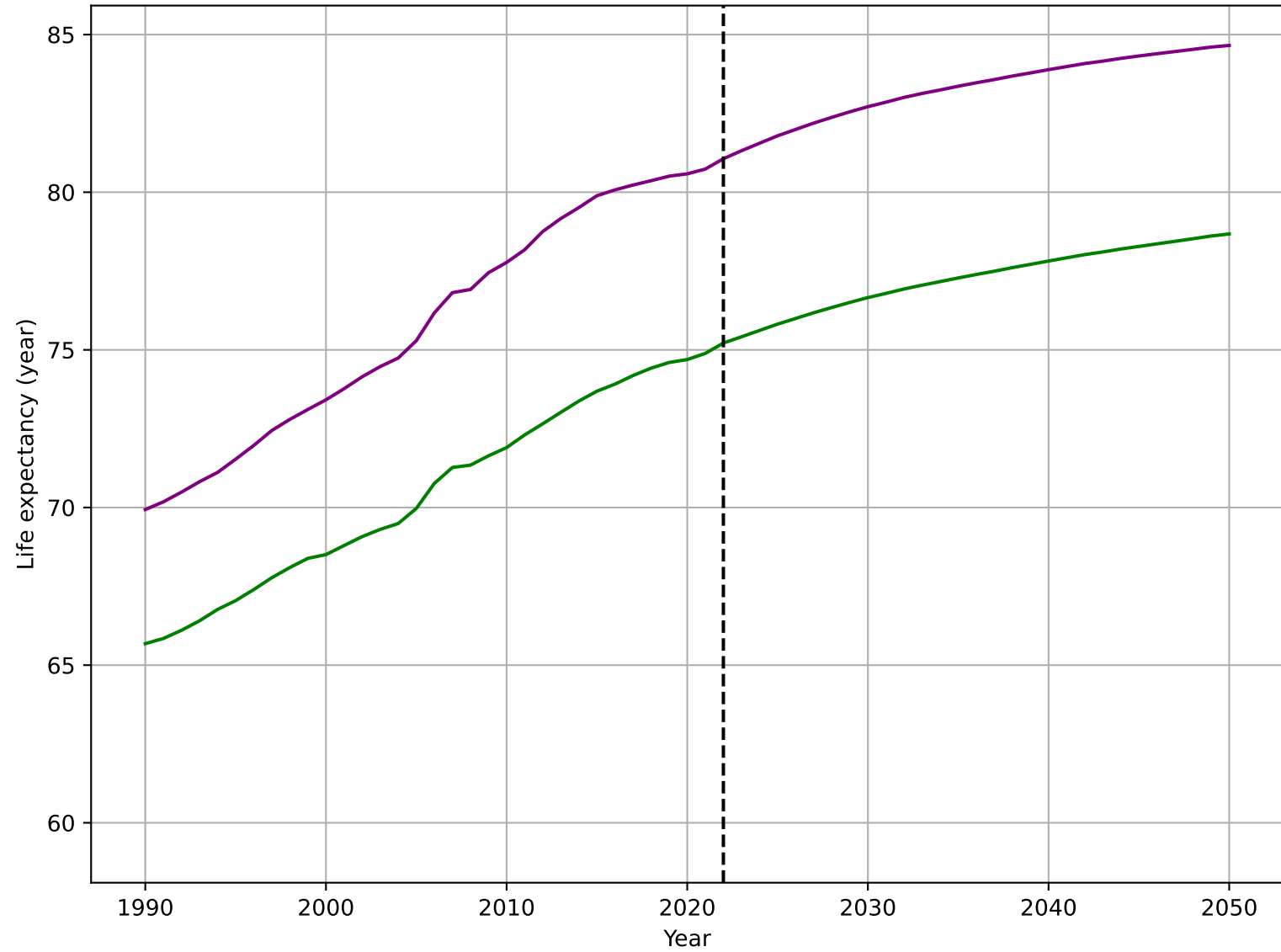
### Healthy Life Expectancy (HALE)



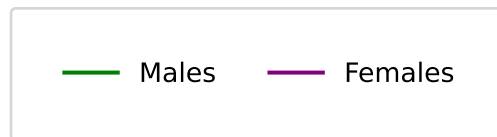
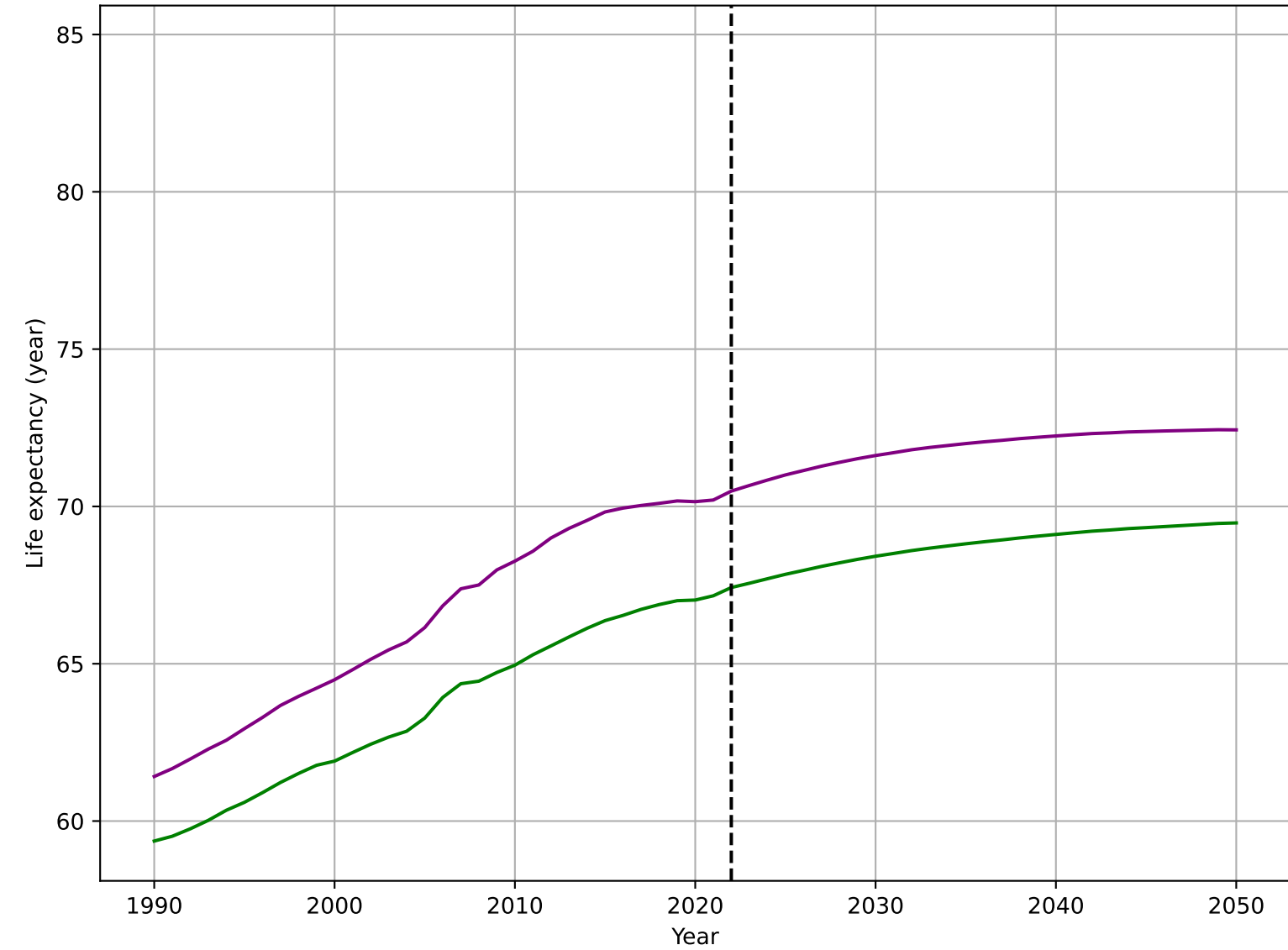


# China

### Life Expectancy

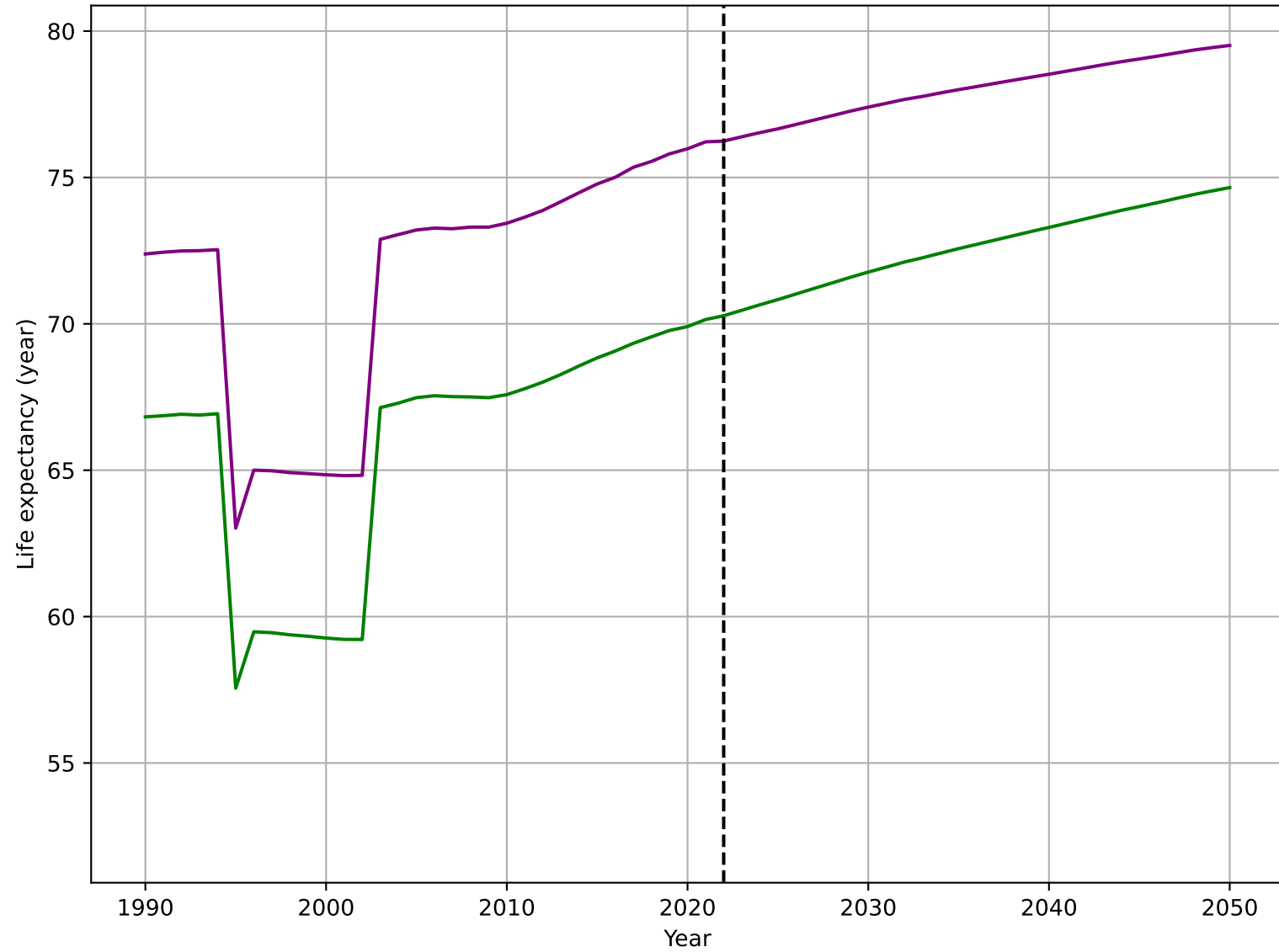


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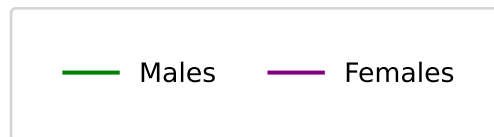
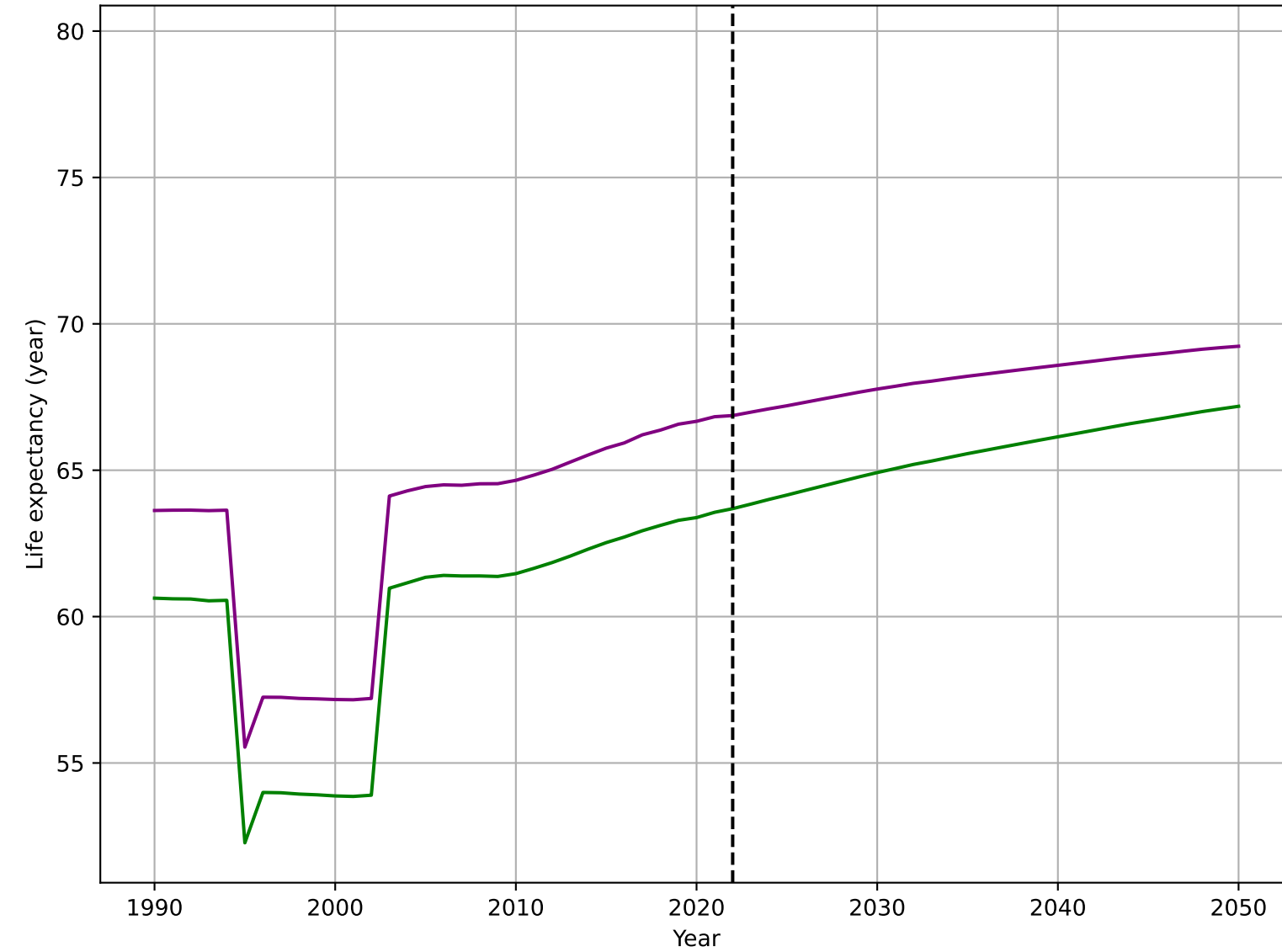


# North Korea

### Life Expectancy

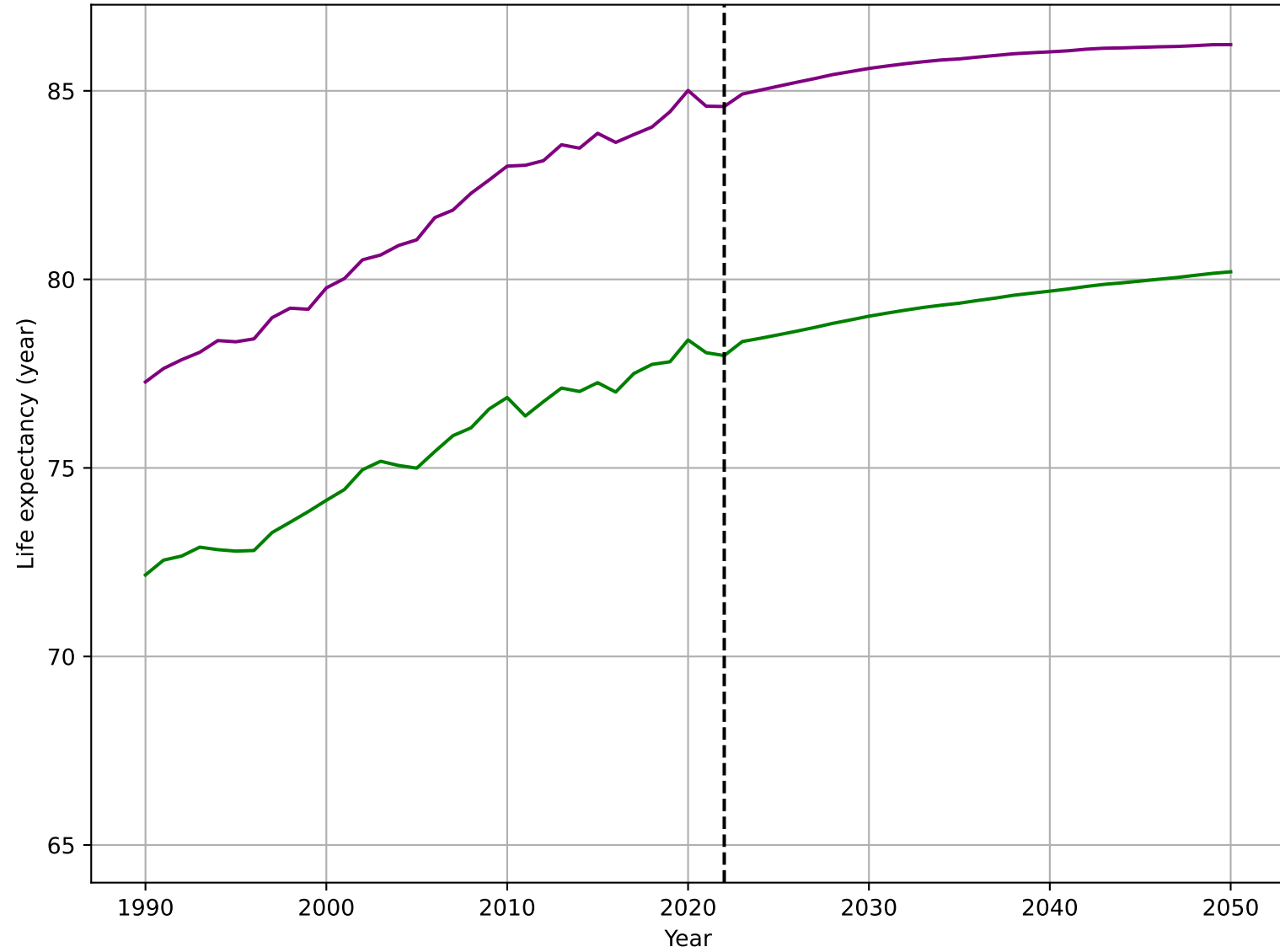


### Healthy Life Expectancy (HALE)

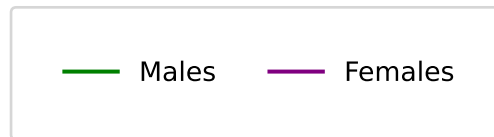
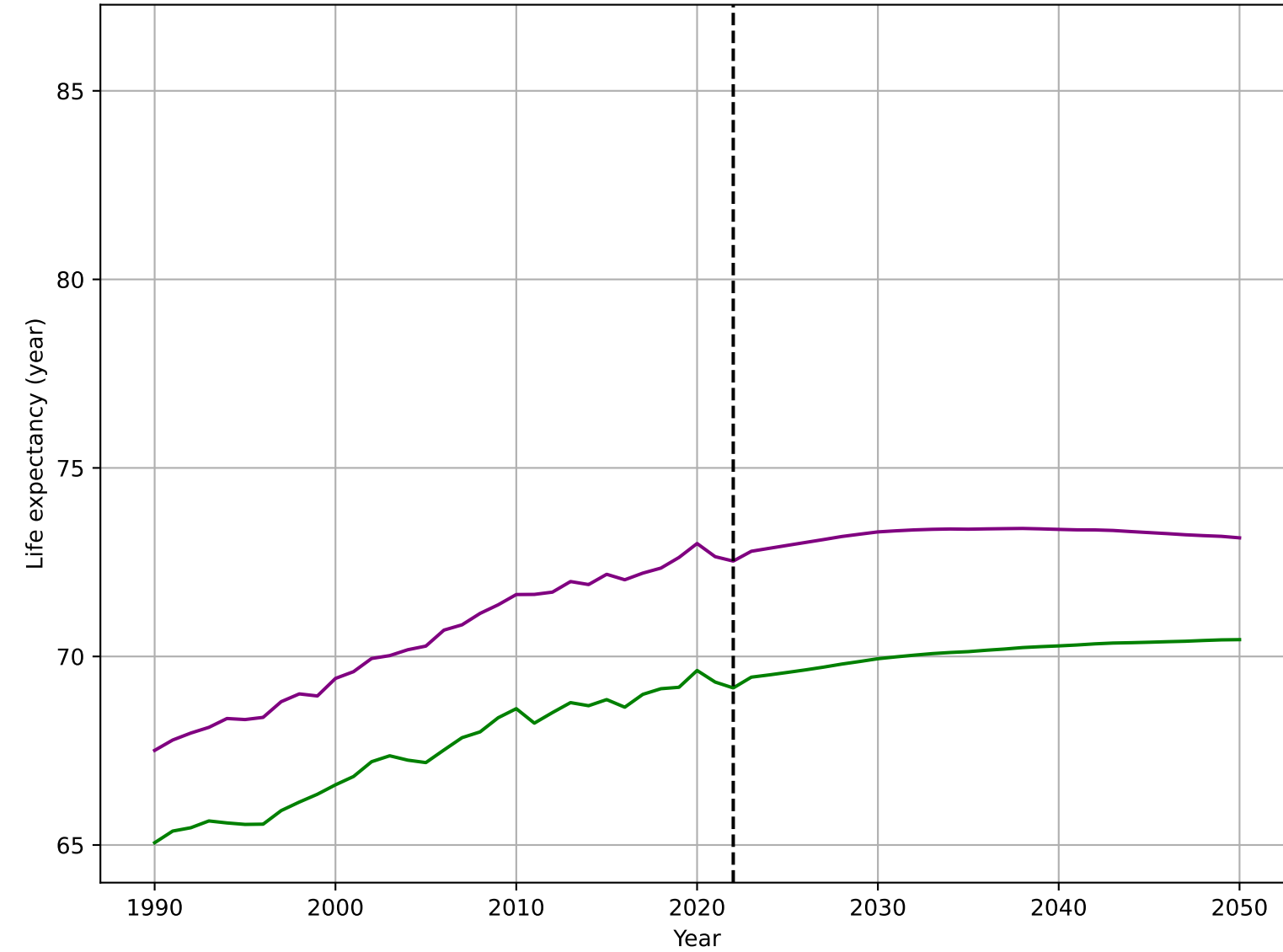


# Taiwan (Province Of China)

### Life Expectancy

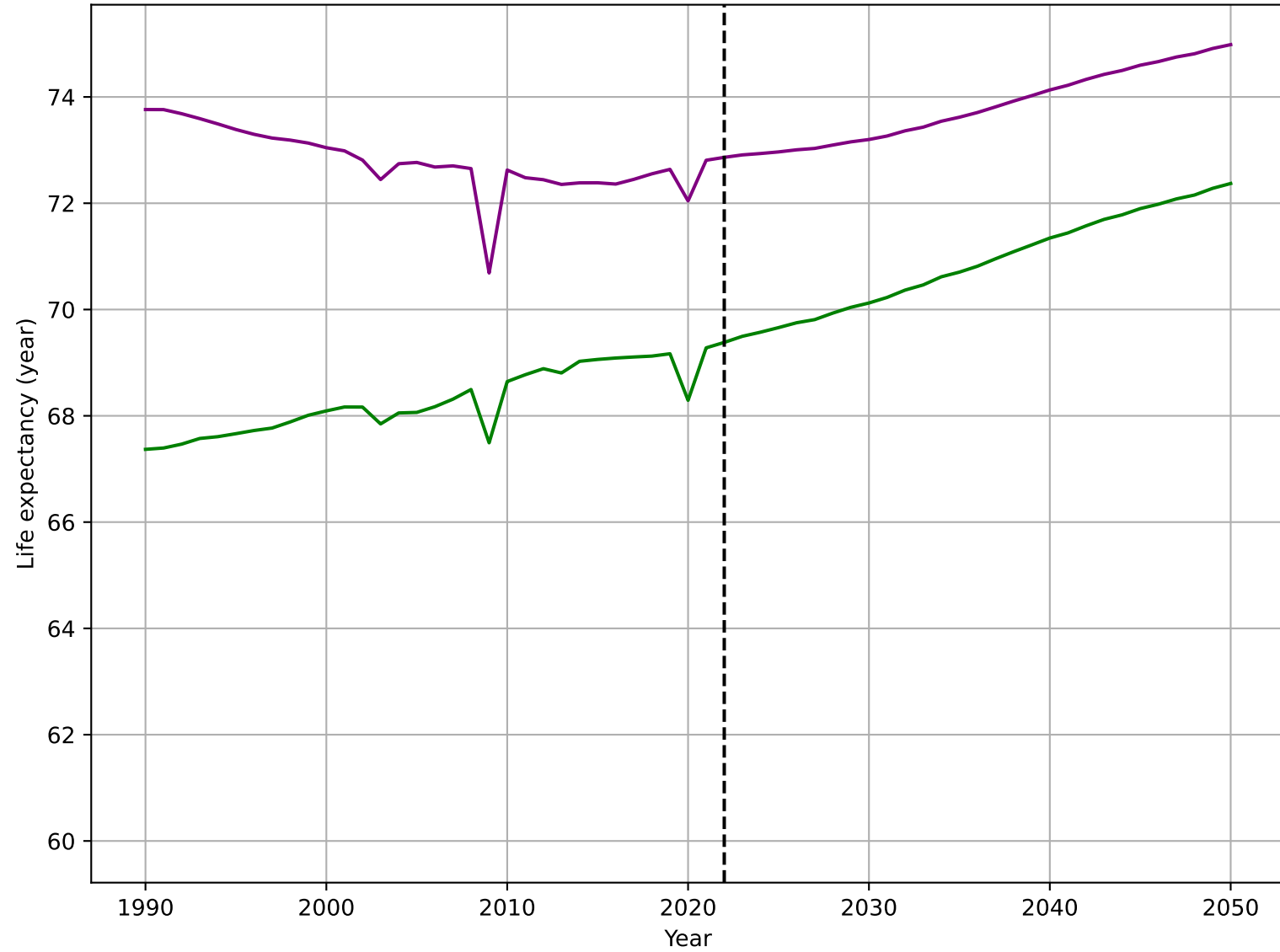


### Healthy Life Expectancy (HALE)

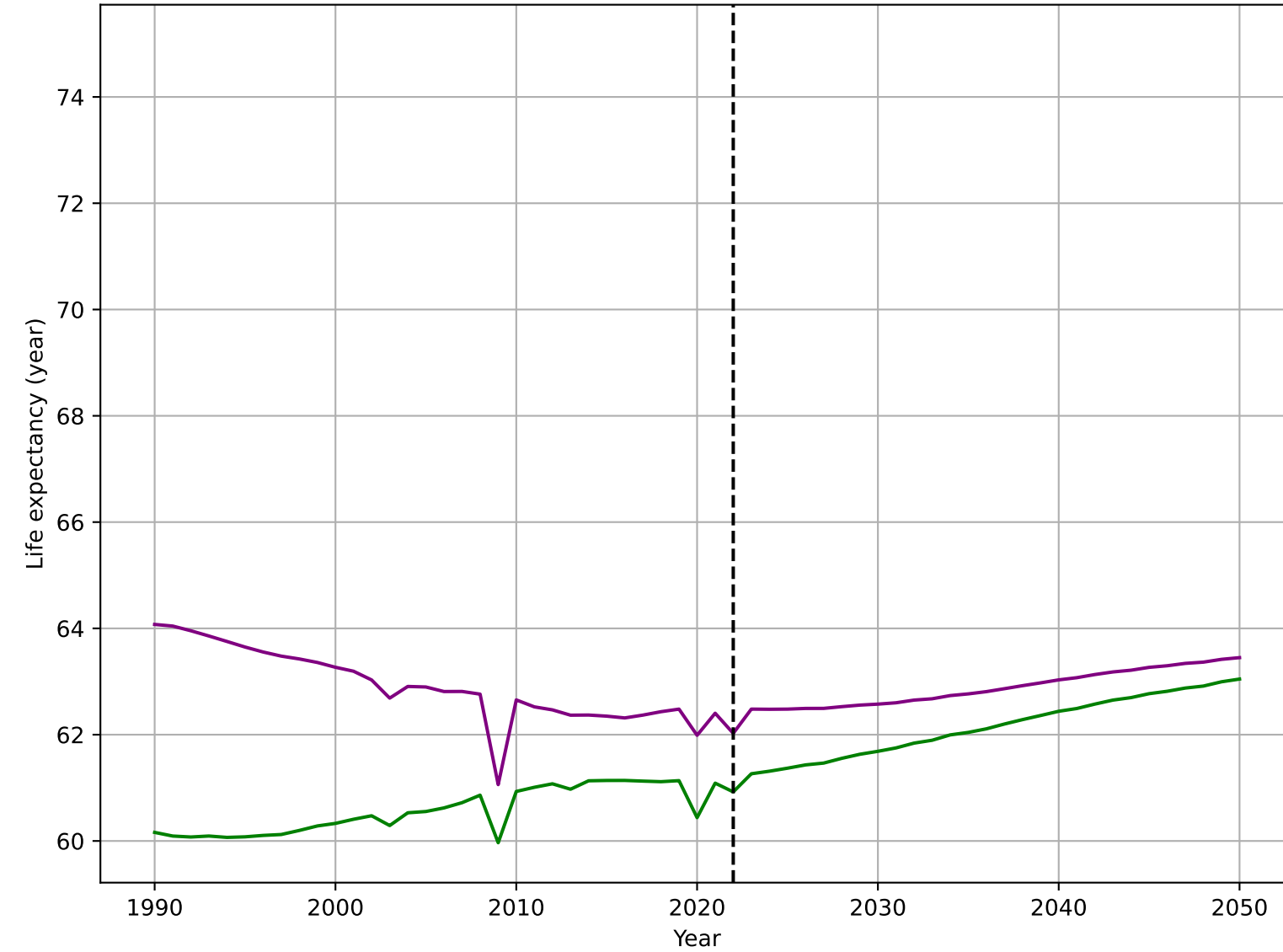


# American Samoa

### Life Expectancy

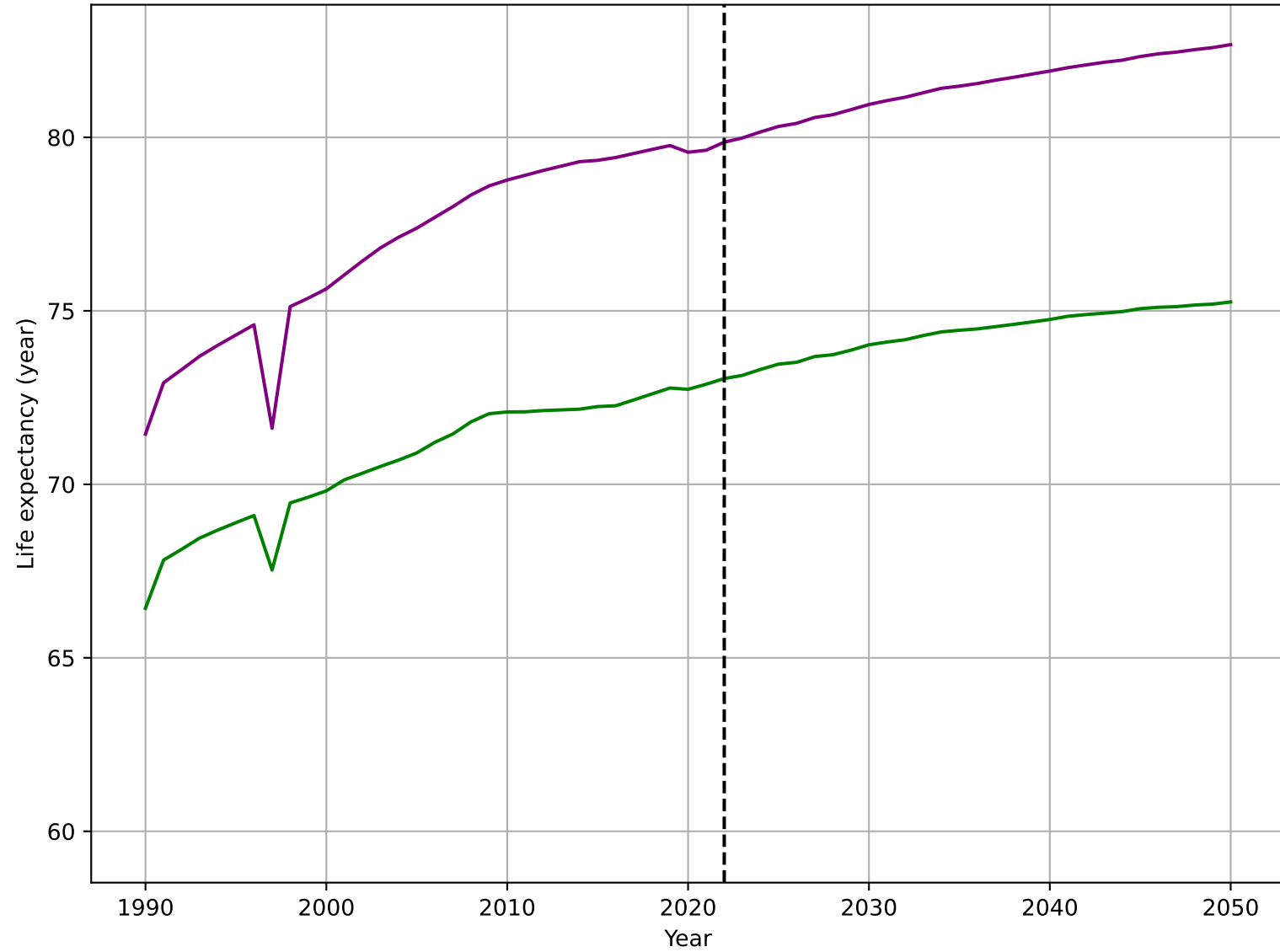


### Healthy Life Expectancy (HALE)

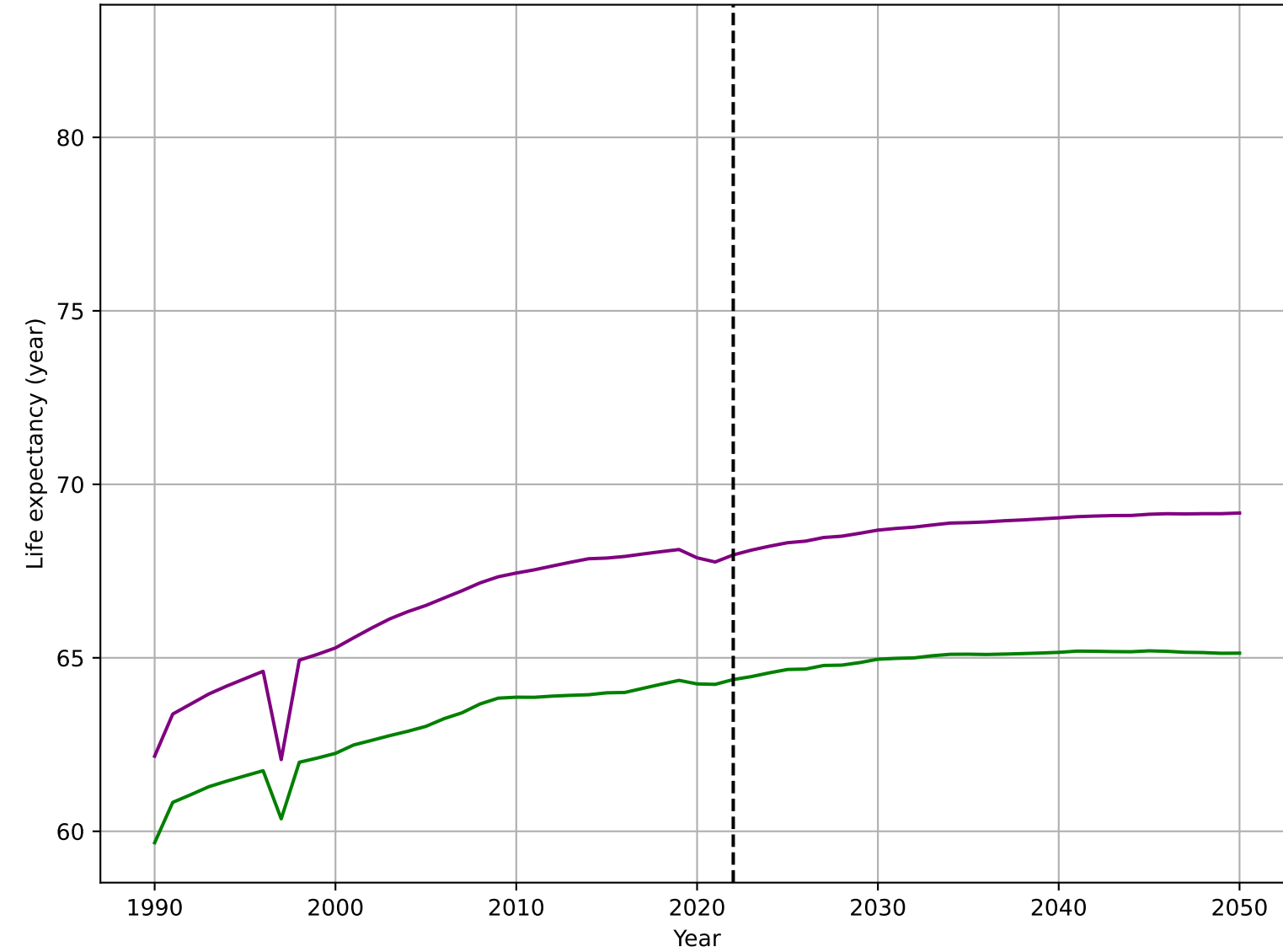


# Cook Islands

## Life Expectancy

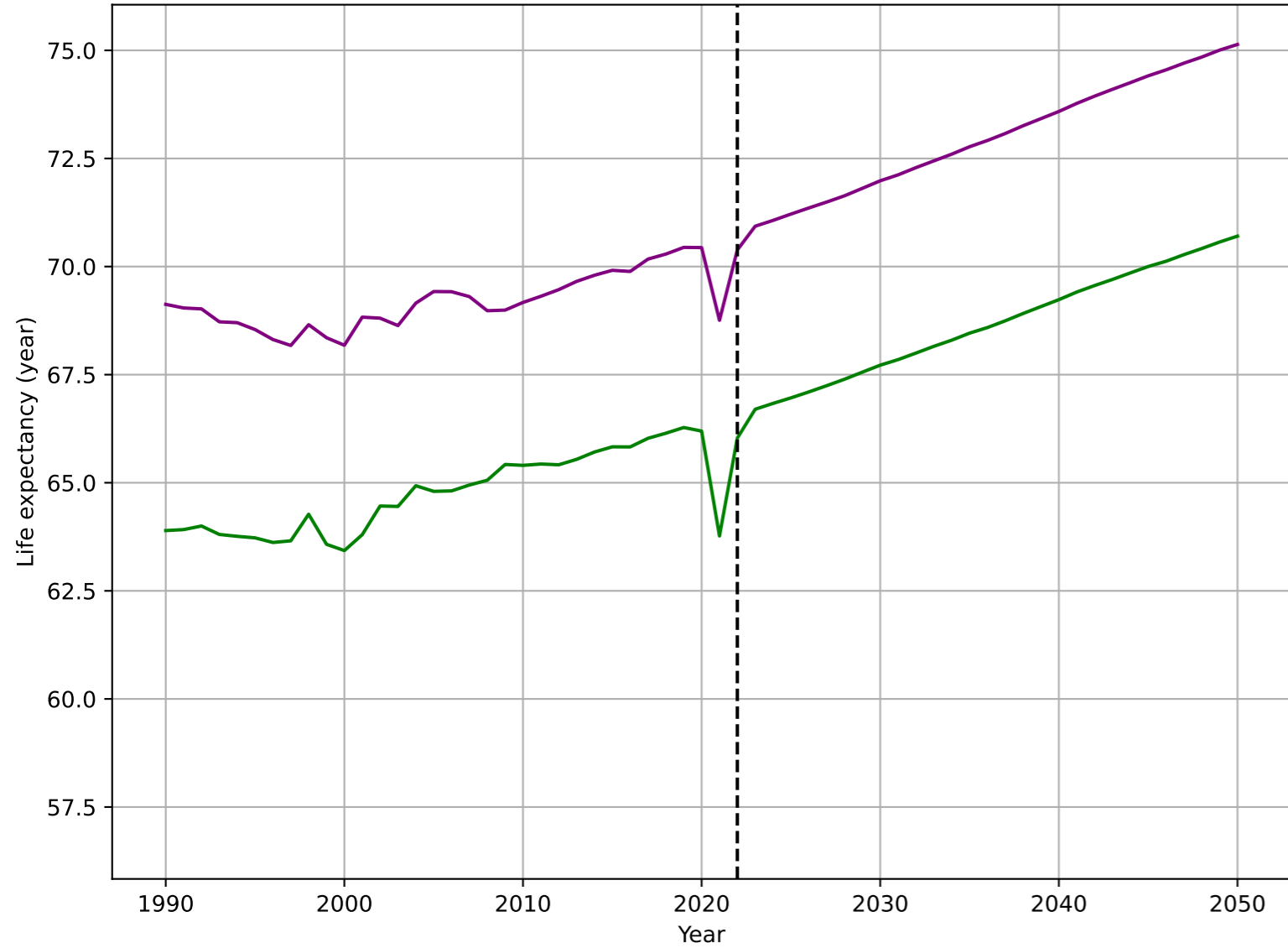


## Healthy Life Expectancy (HALE)

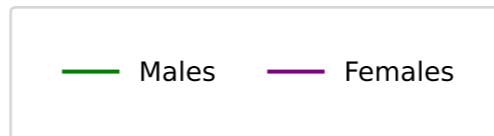
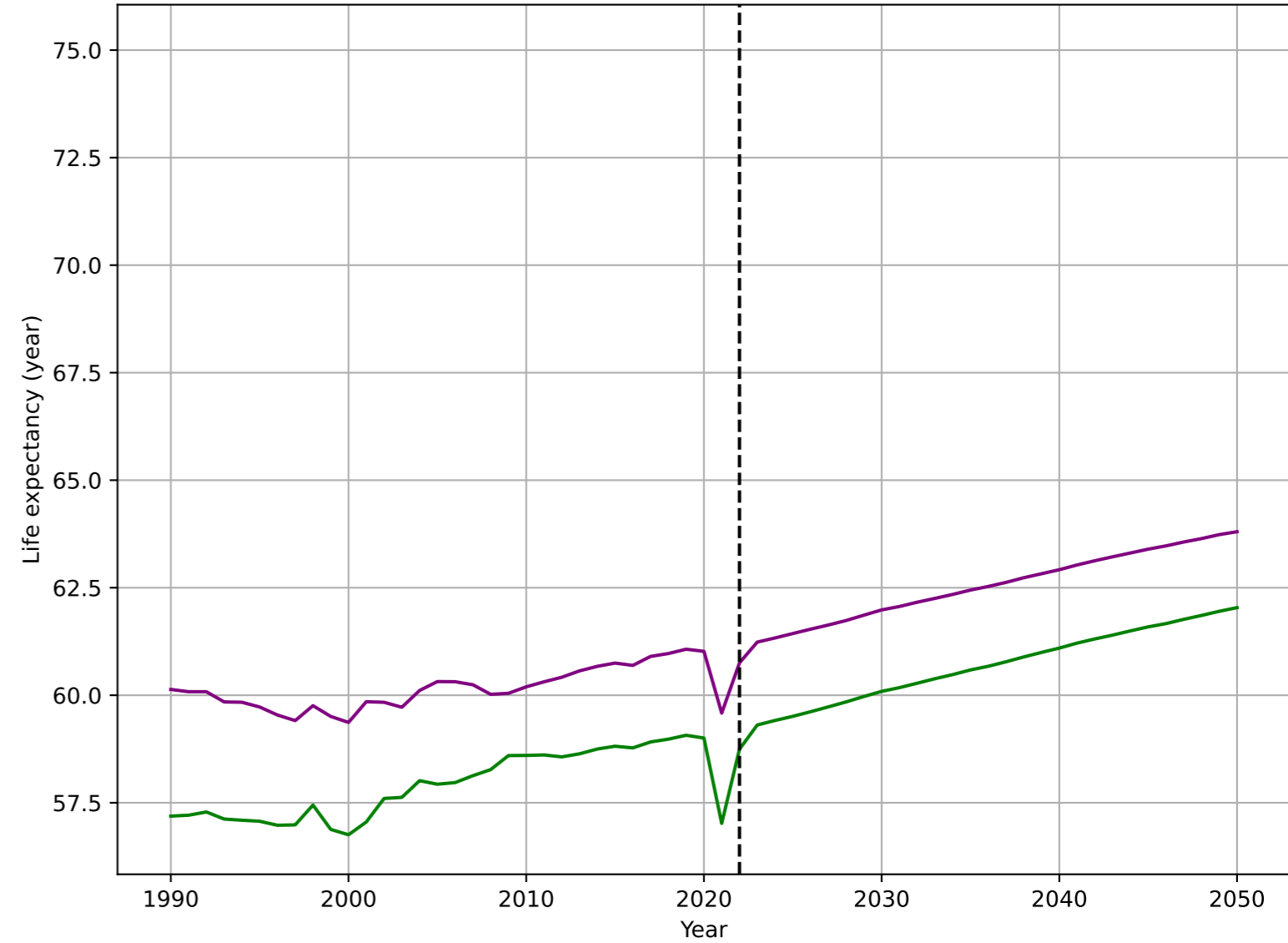


# Fiji

### Life Expectancy

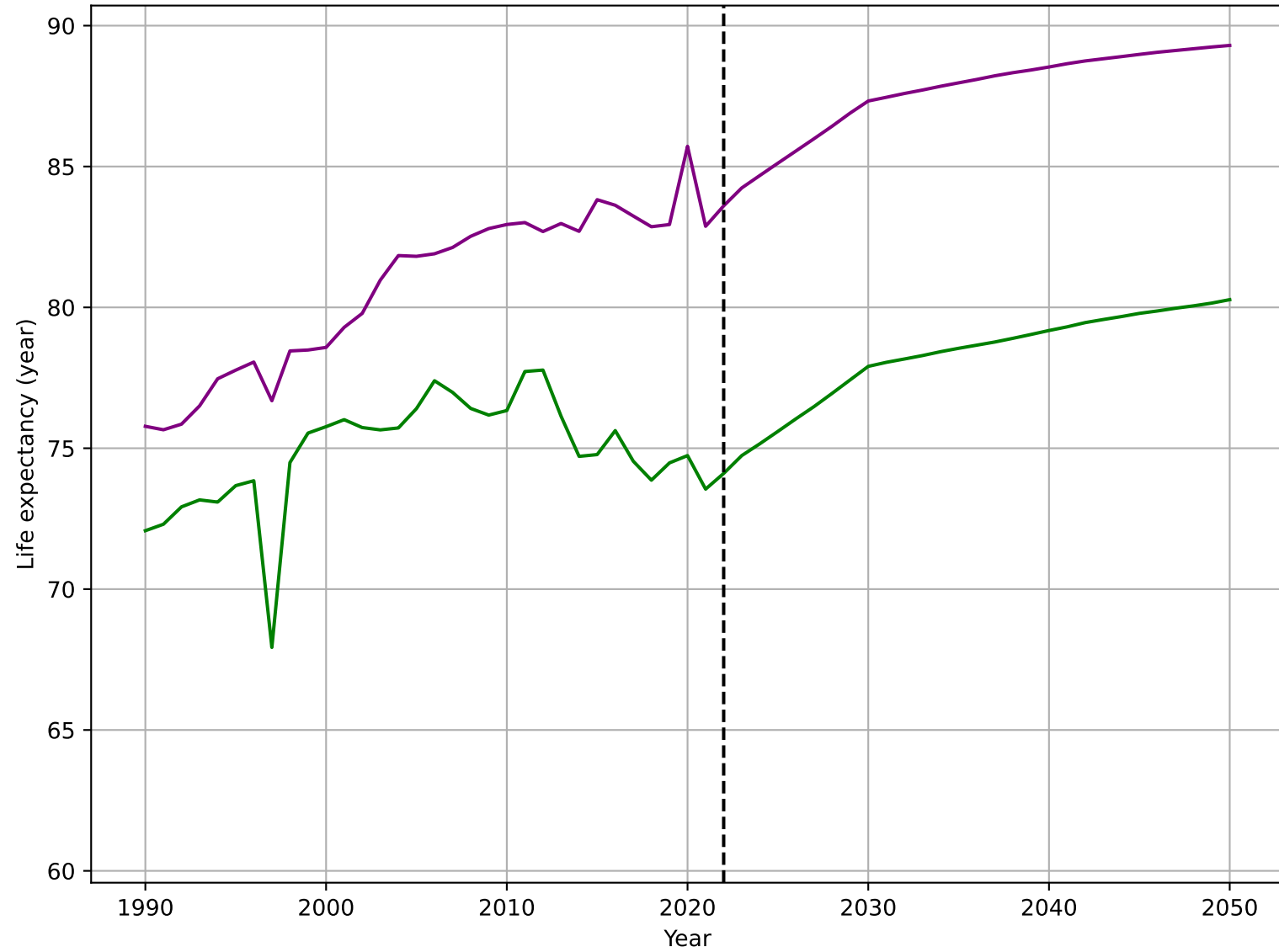


### Healthy Life Expectancy (HALE)

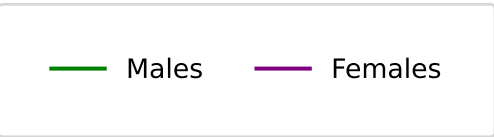
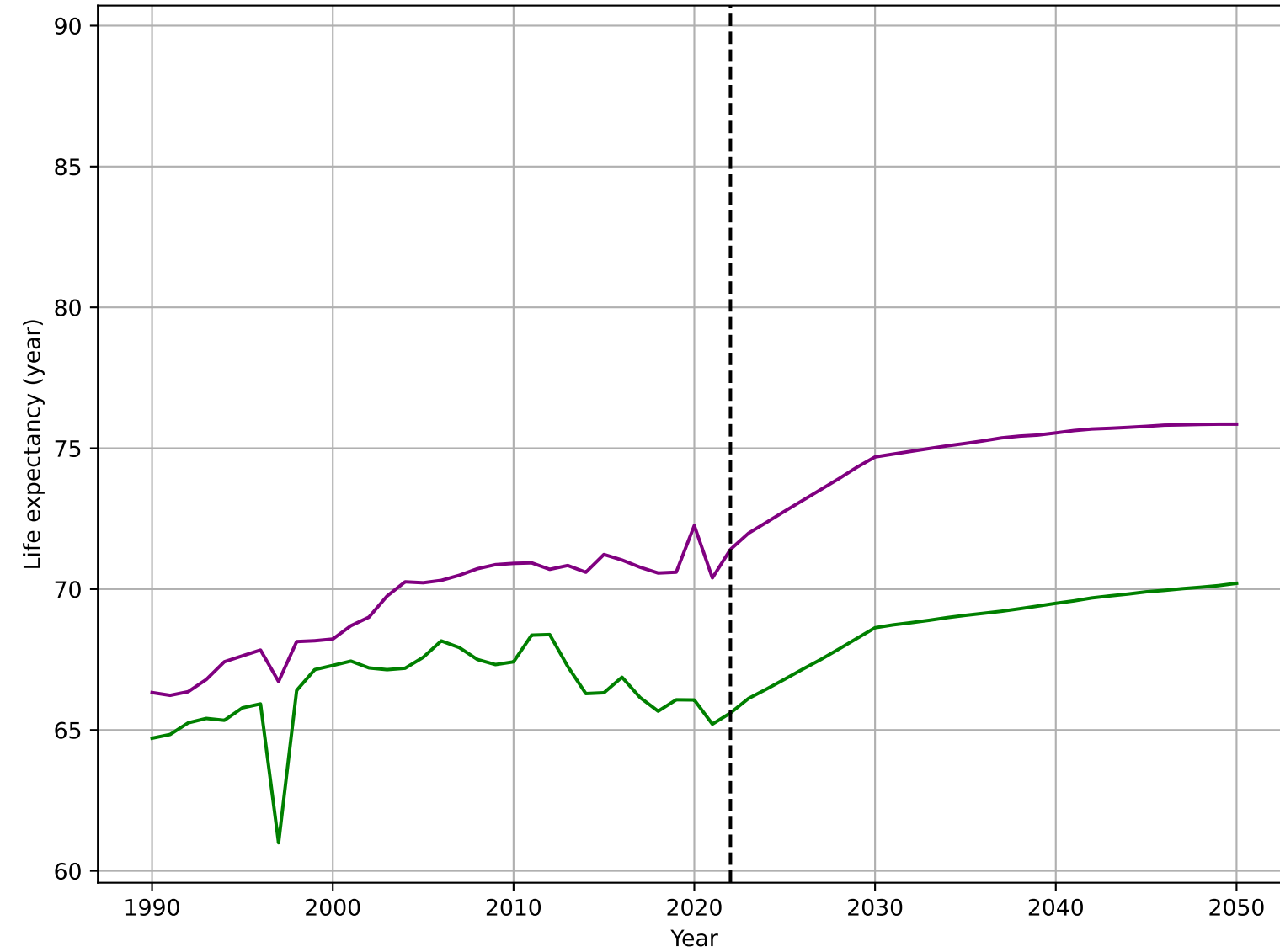


# Guam

### Life Expectancy

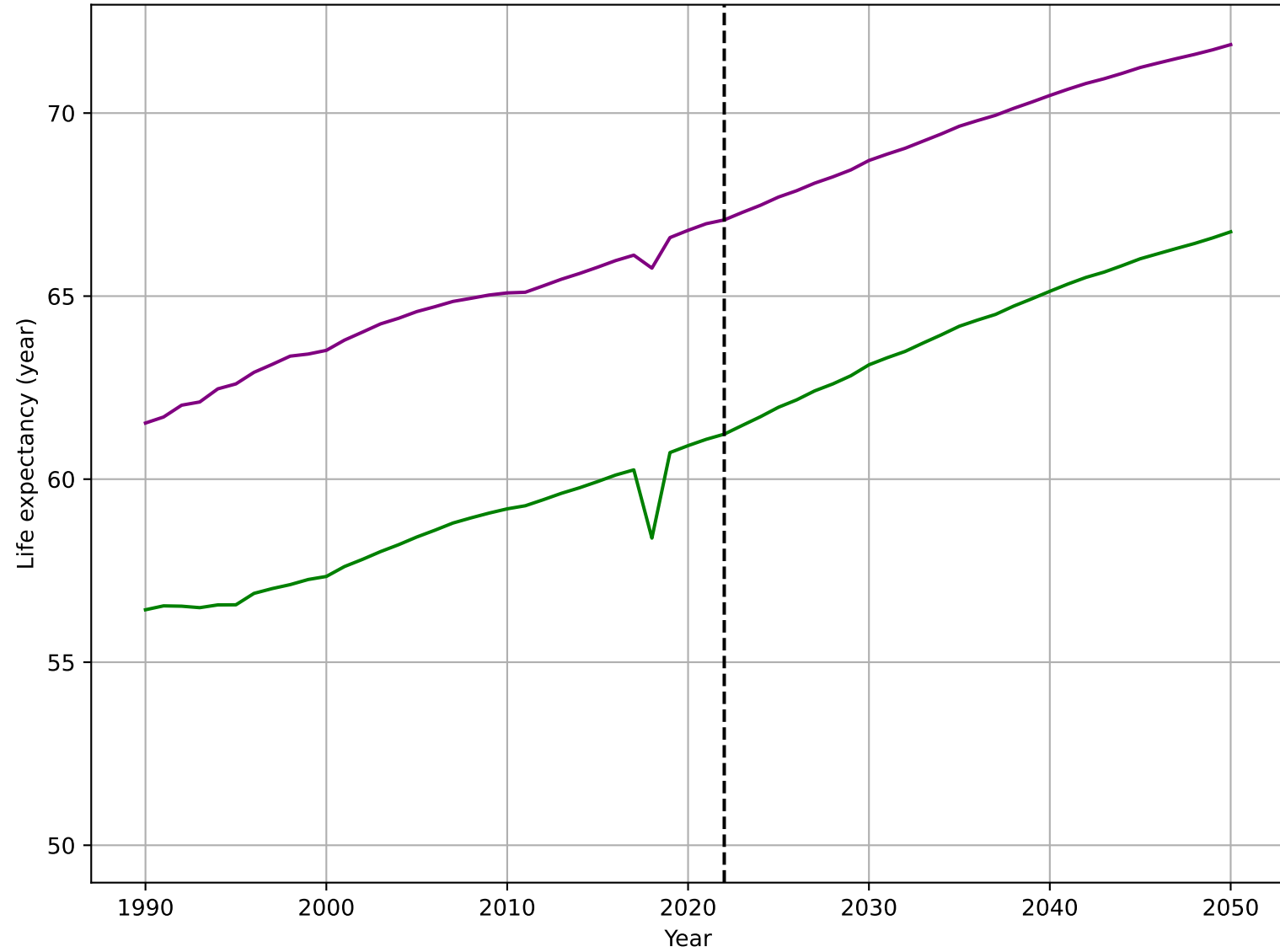


### Healthy Life Expectancy (HALE)

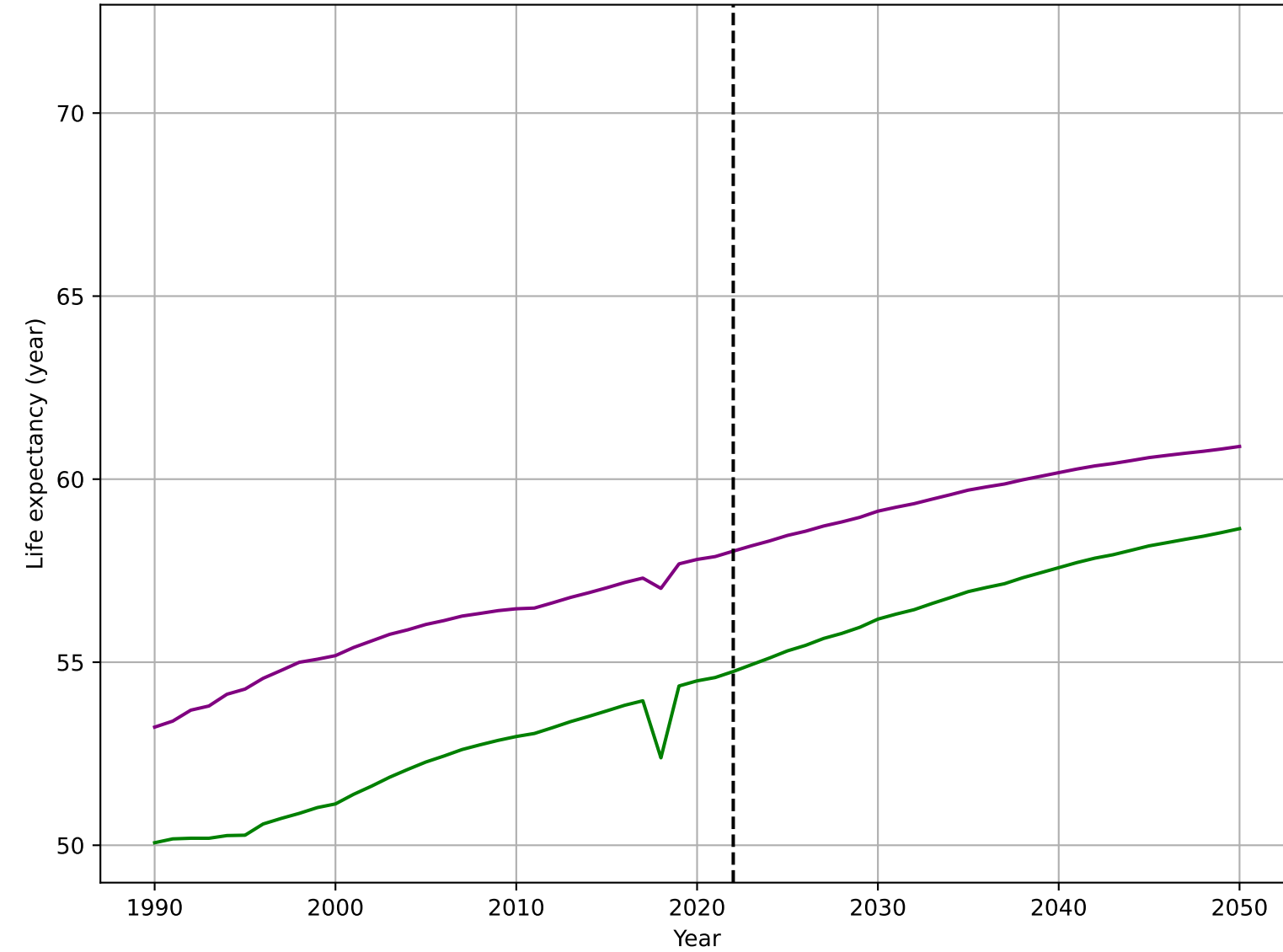


# Kiribati

## Life Expectancy



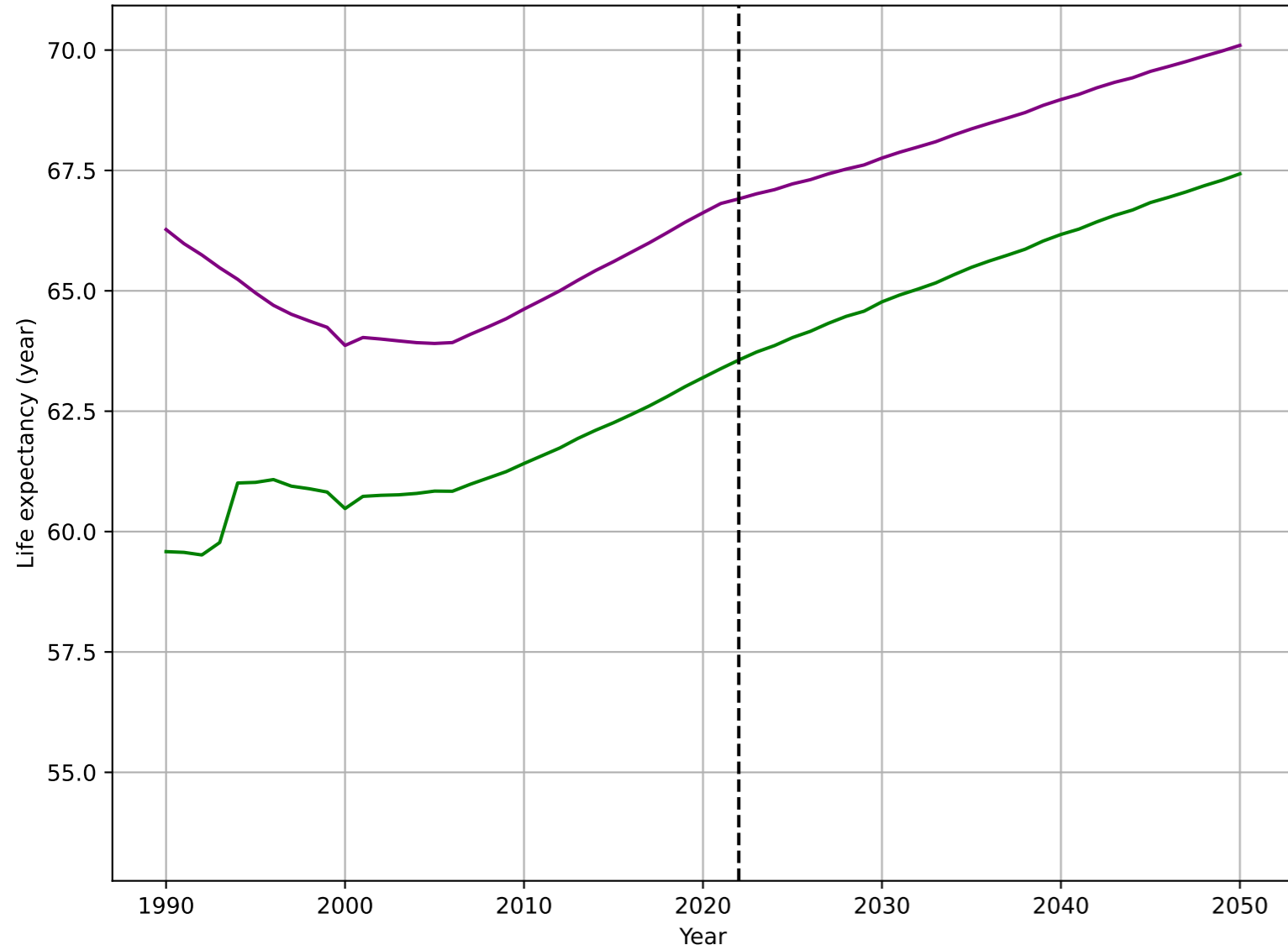
## Healthy Life Expectancy (HALE)



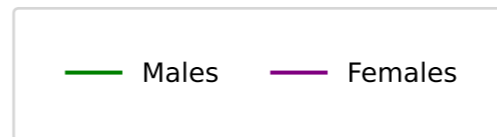
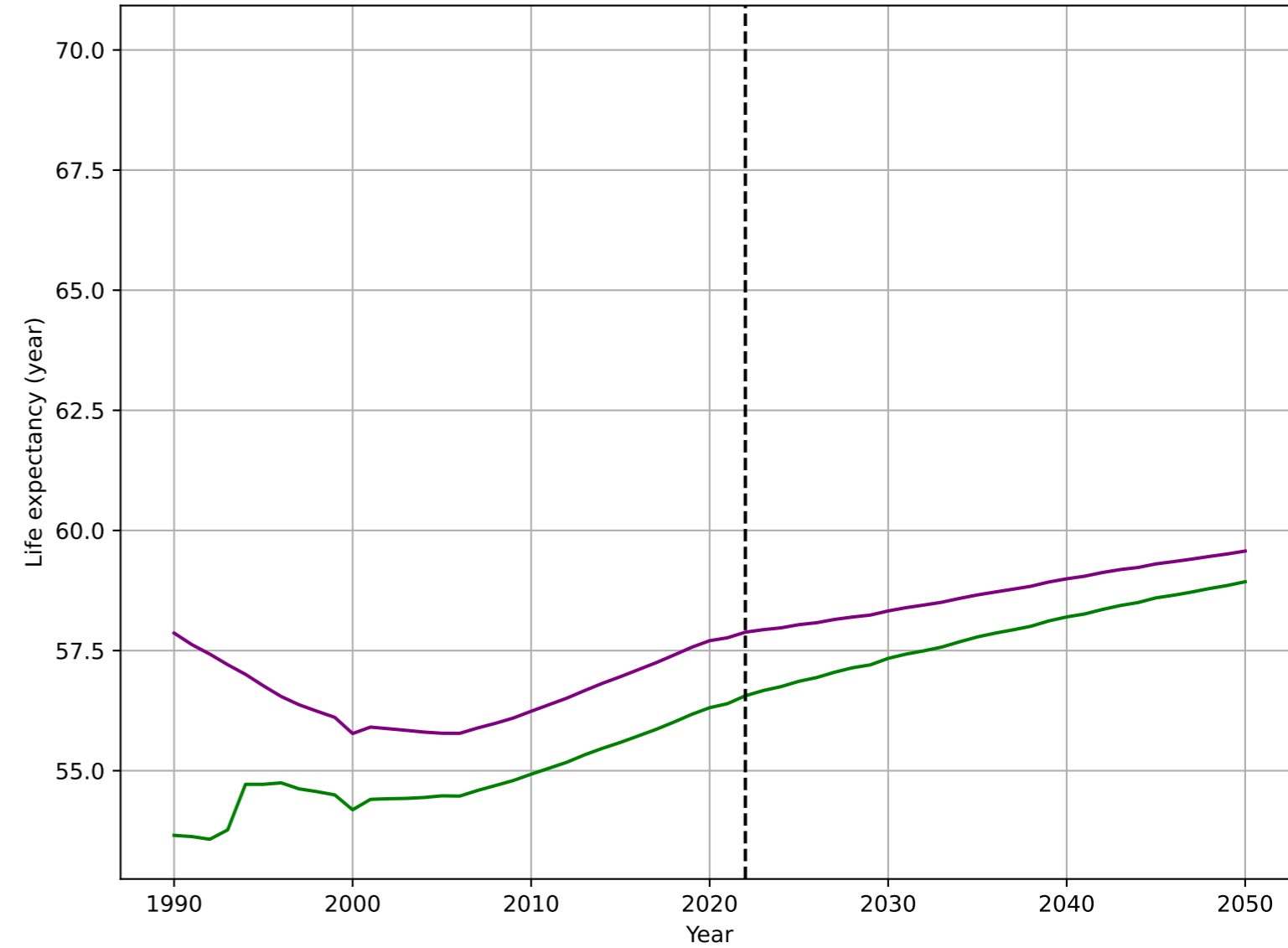


# Marshall Islands

## Life Expectancy

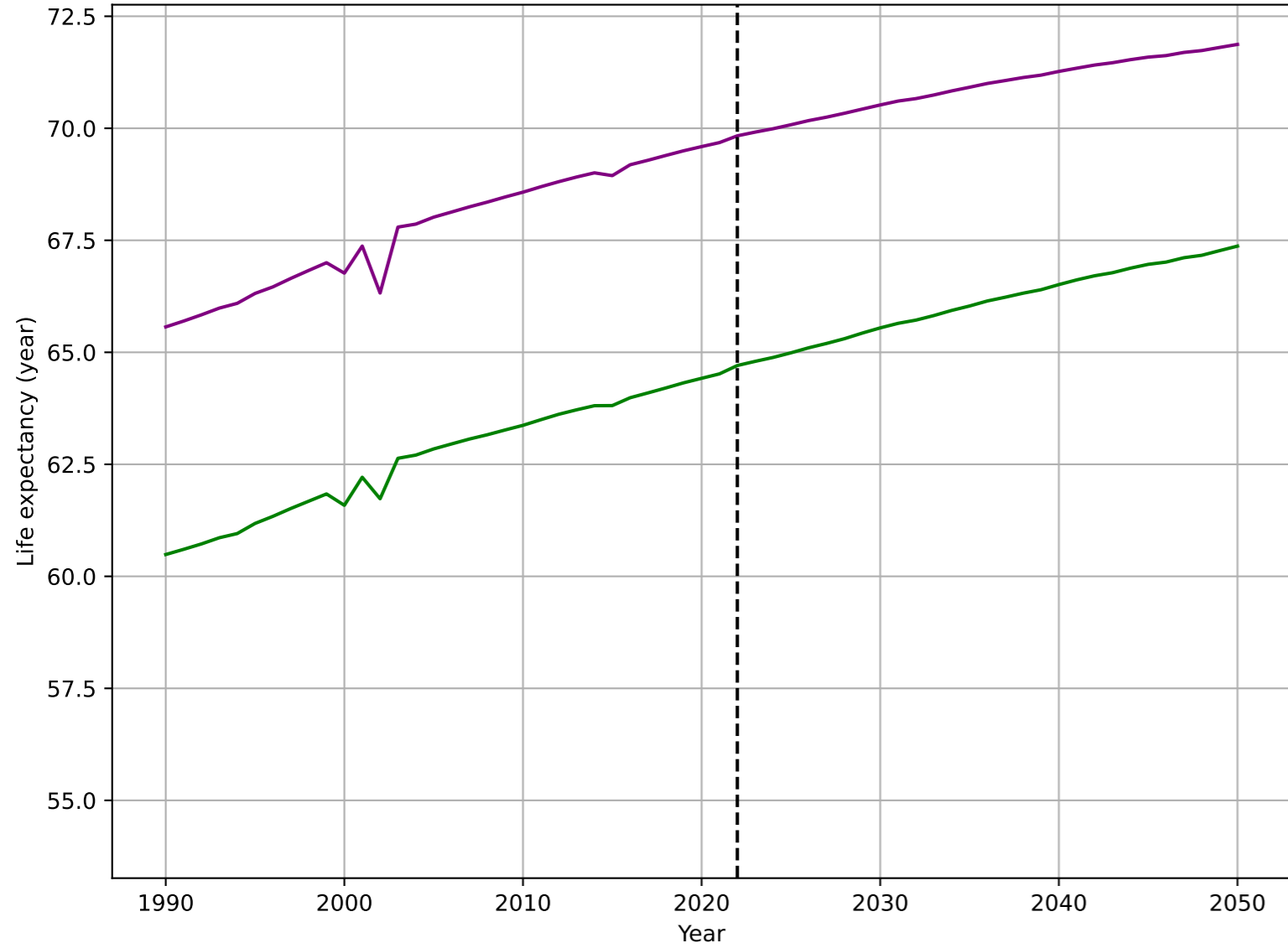


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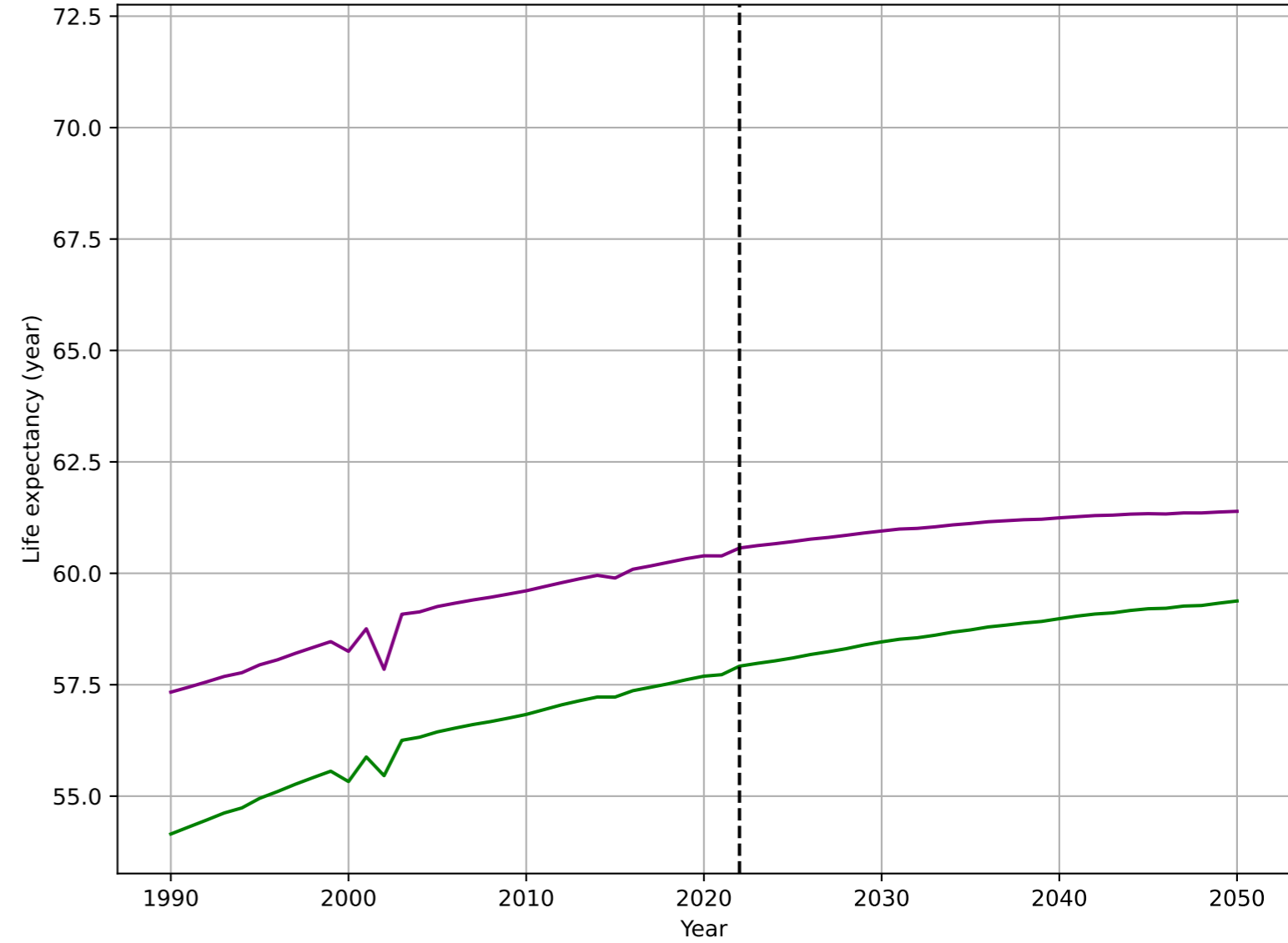


# Federated States Of Micronesia

### Life Expectancy

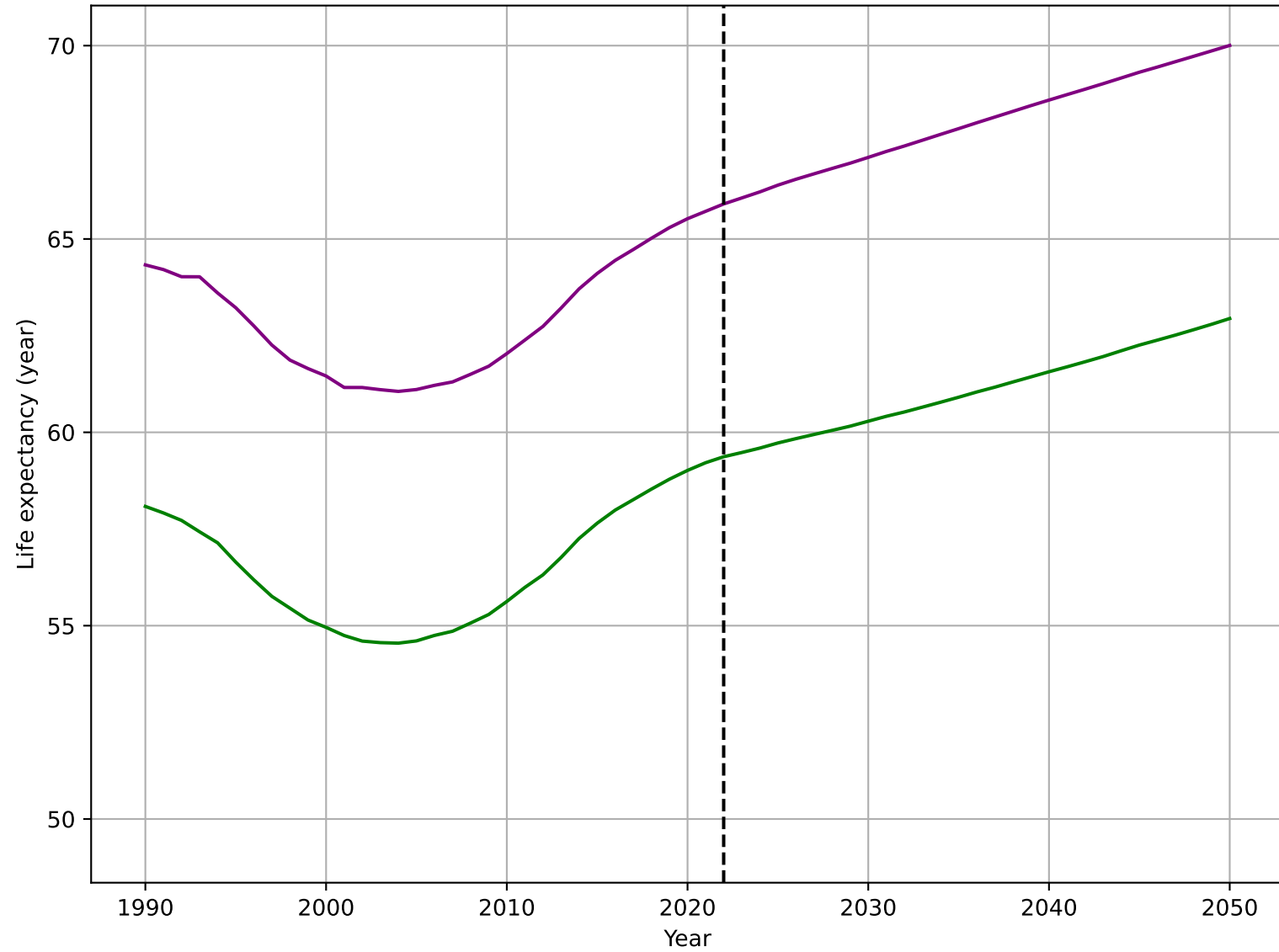


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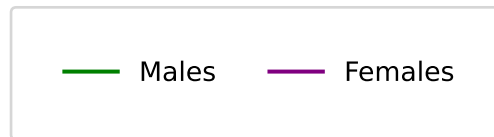
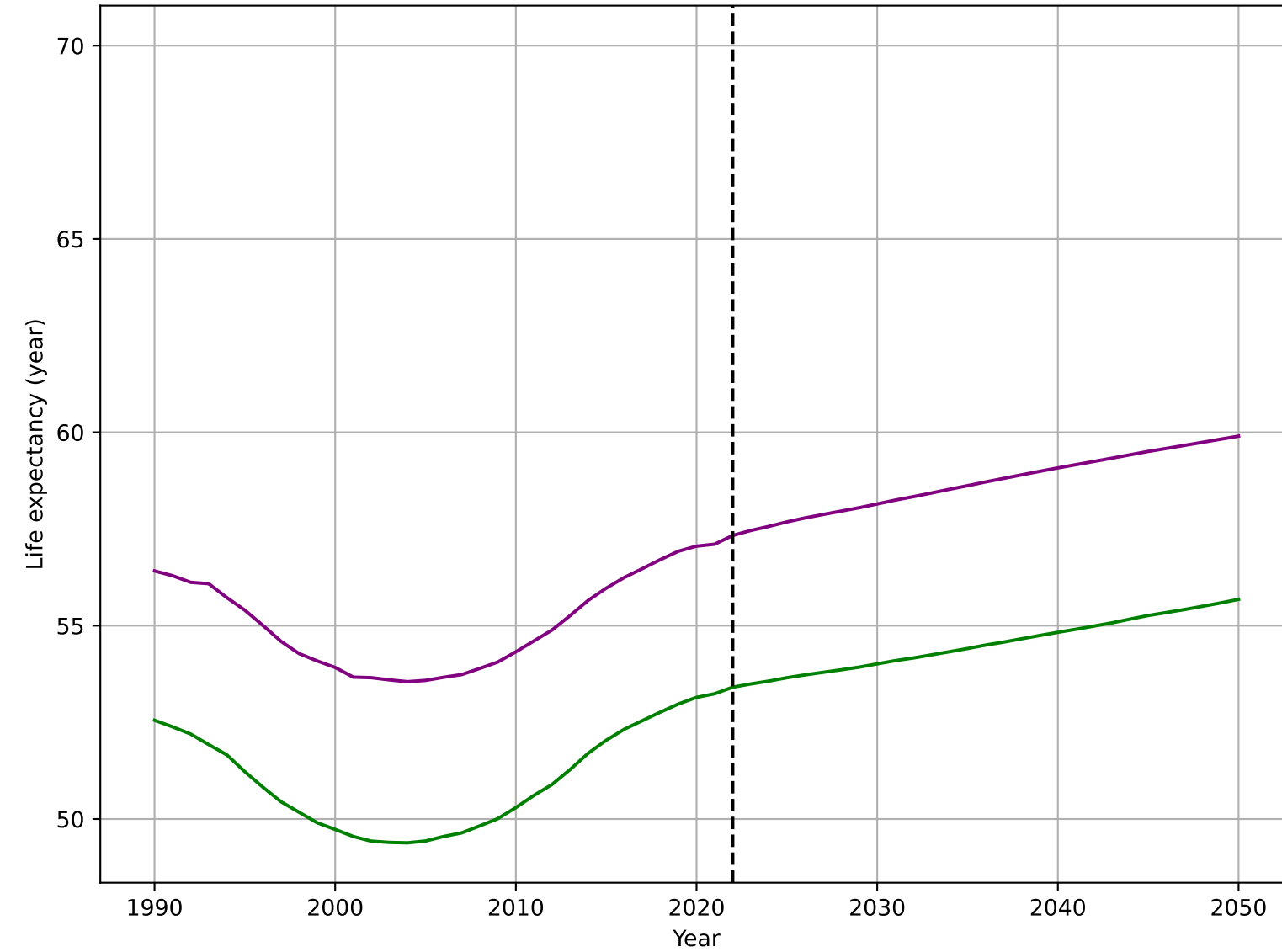


# Nauru

### Life Expectancy

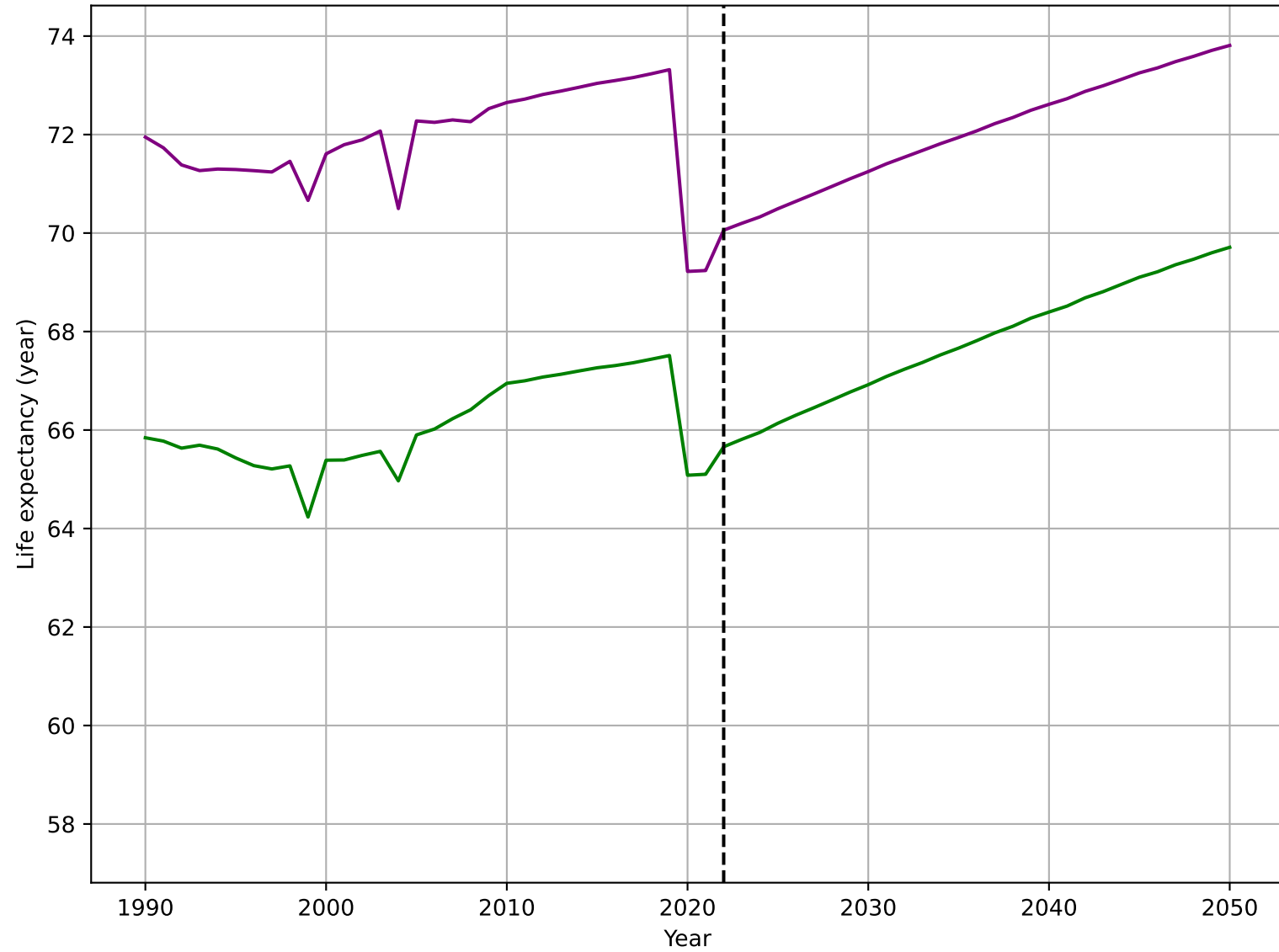


### Healthy Life Expectancy (HALE)

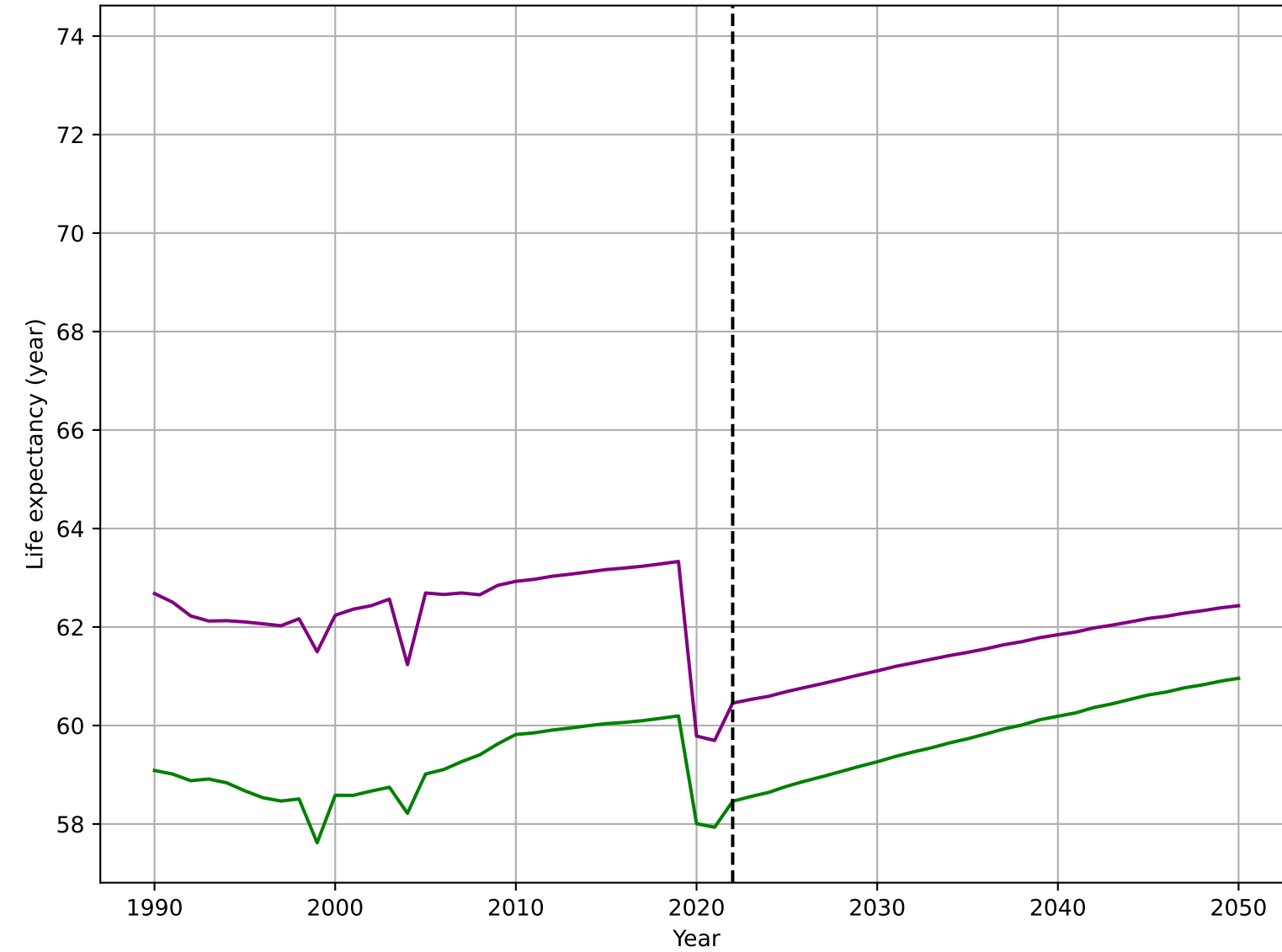


# Niue

### Life Expectancy

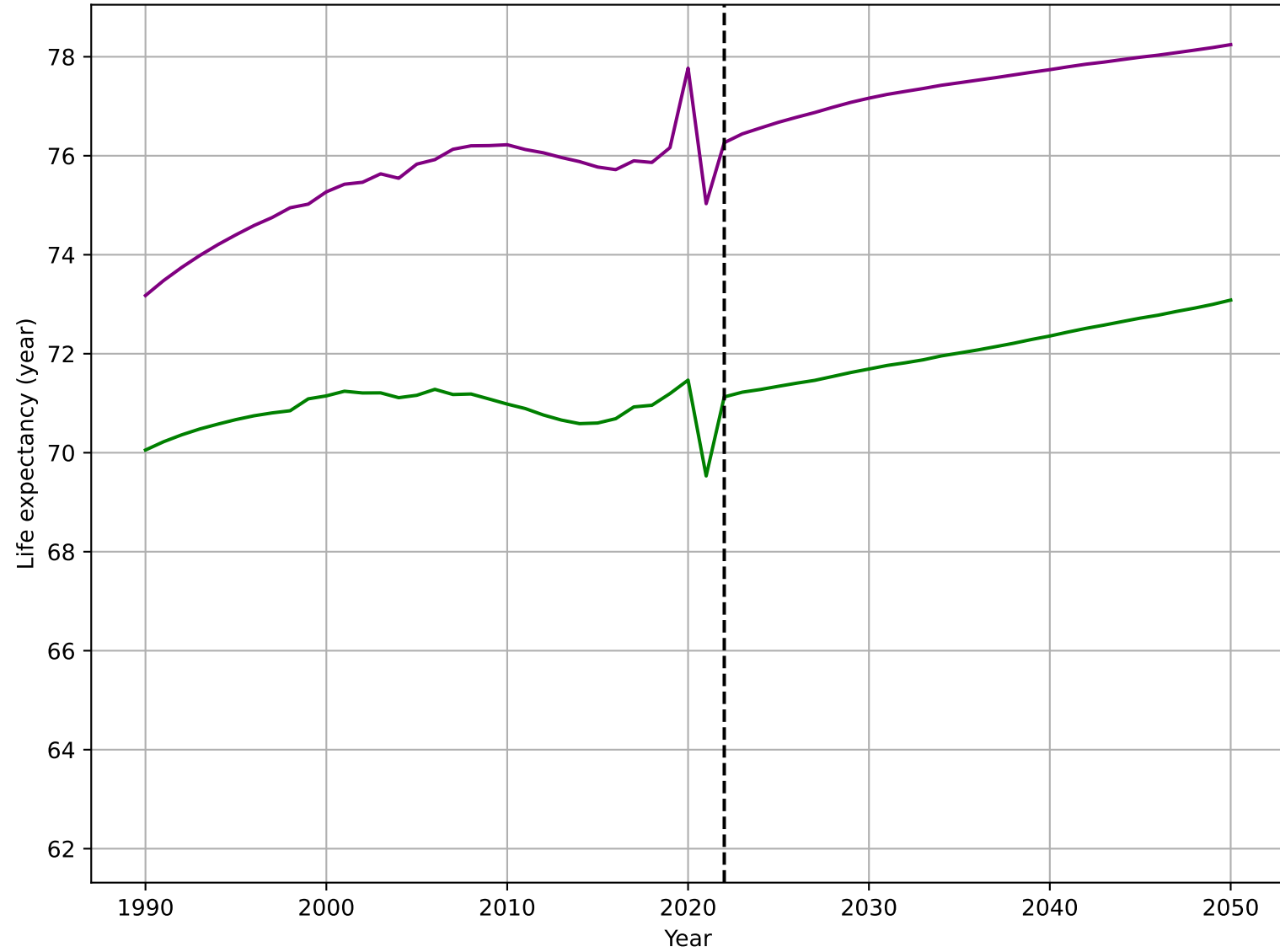


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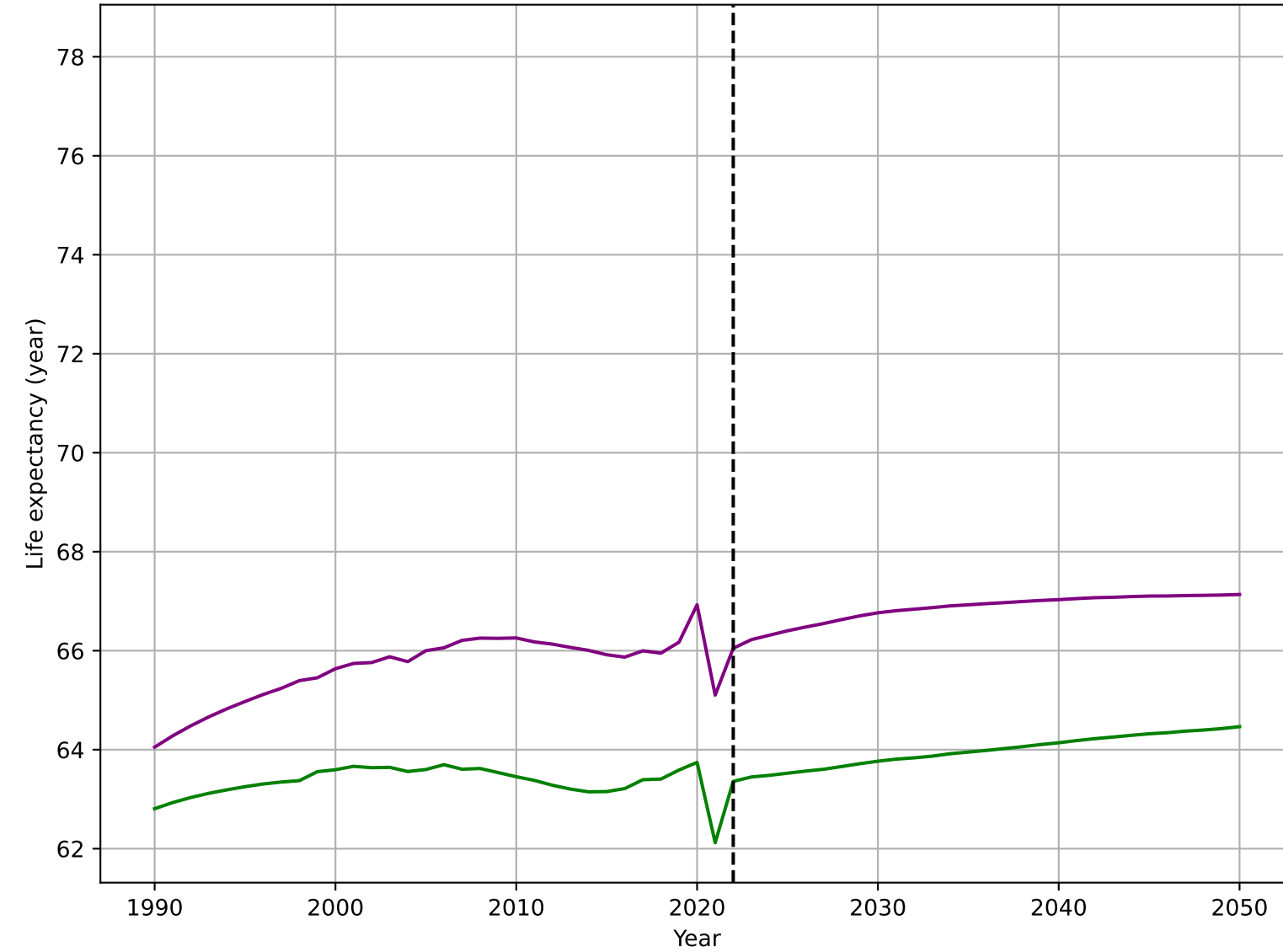


# Northern Mariana Islands

### Life Expectancy

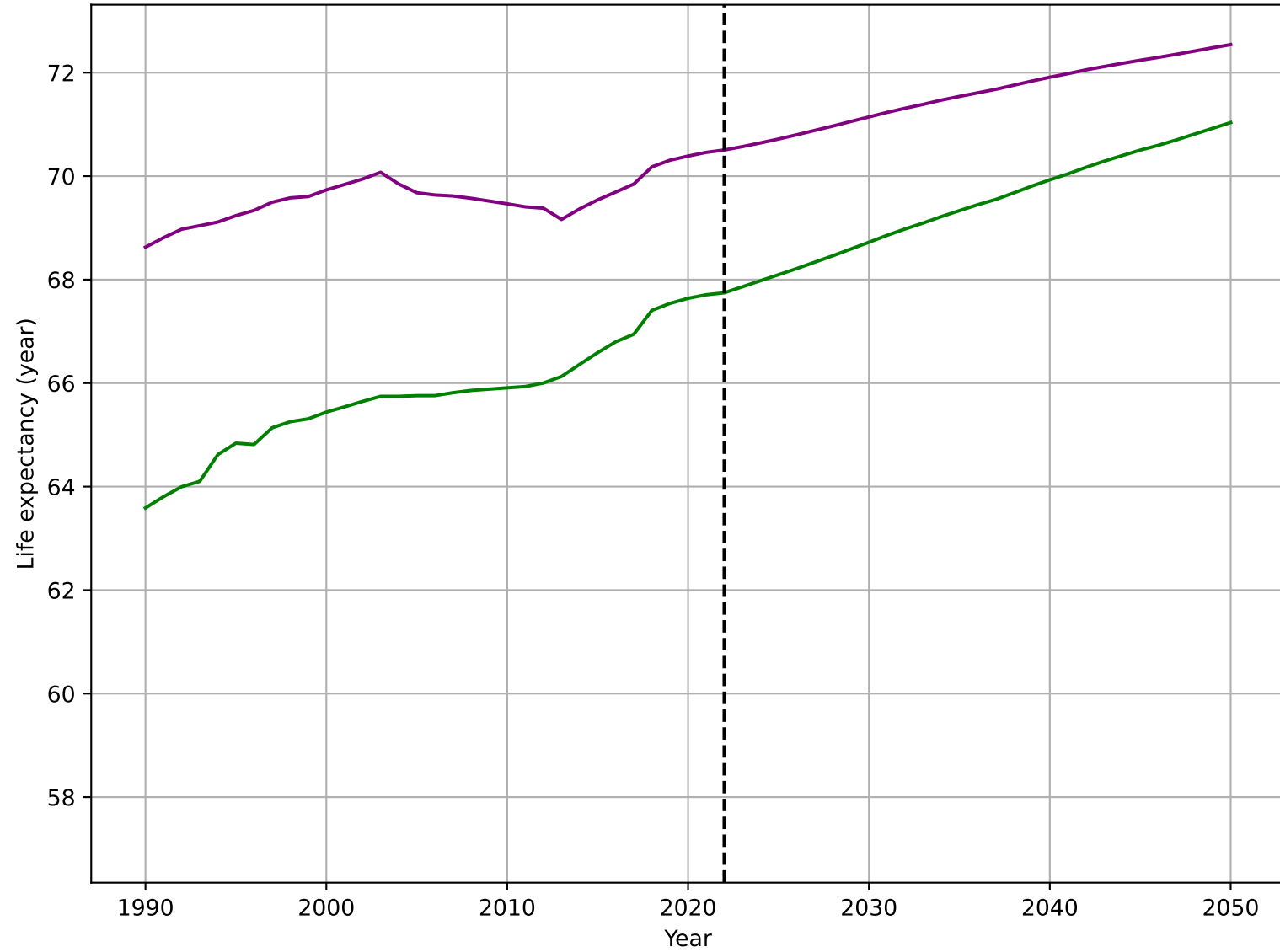


### Healthy Life Expectancy (HALE)

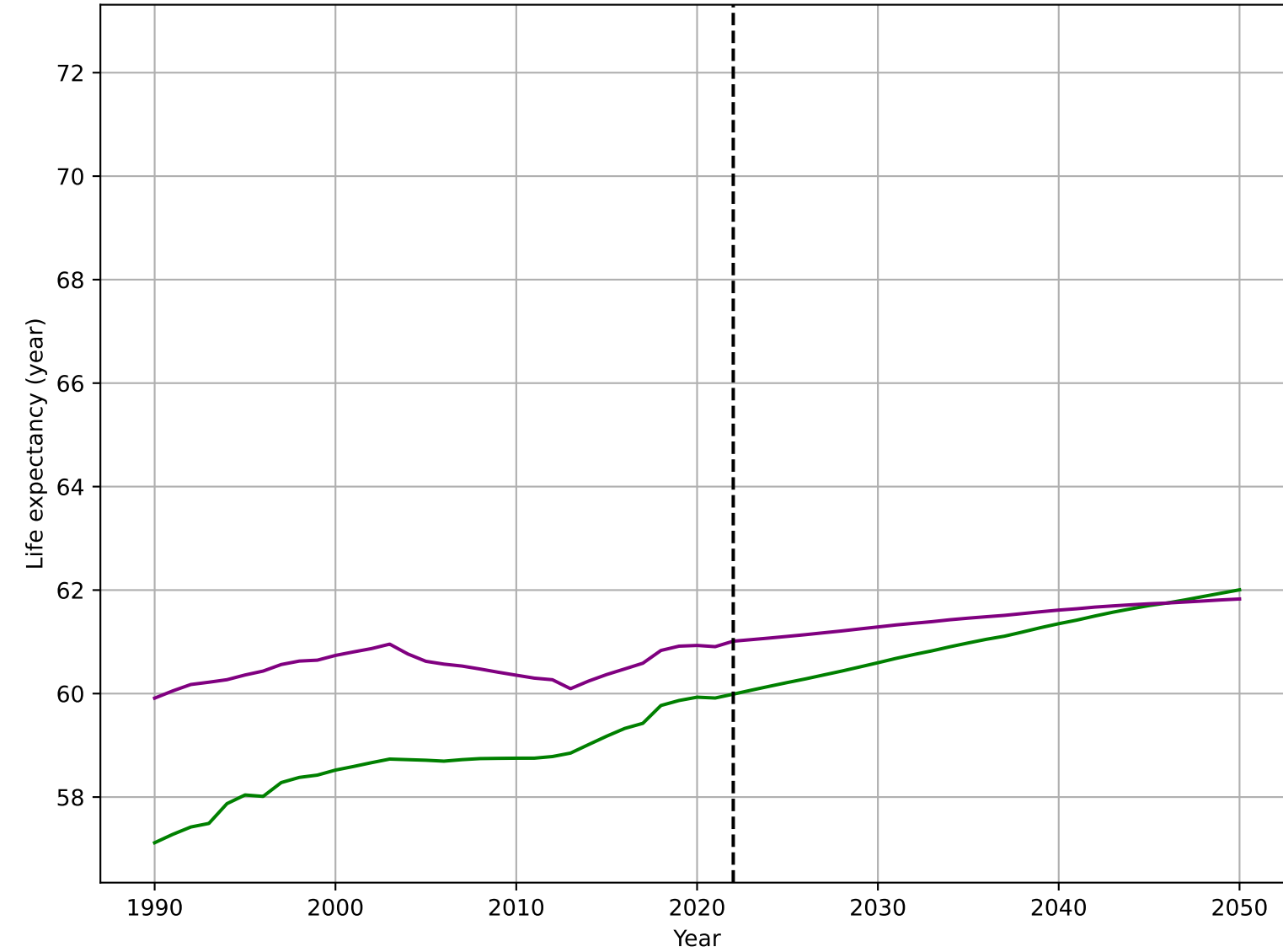


# Palau

### Life Expectancy

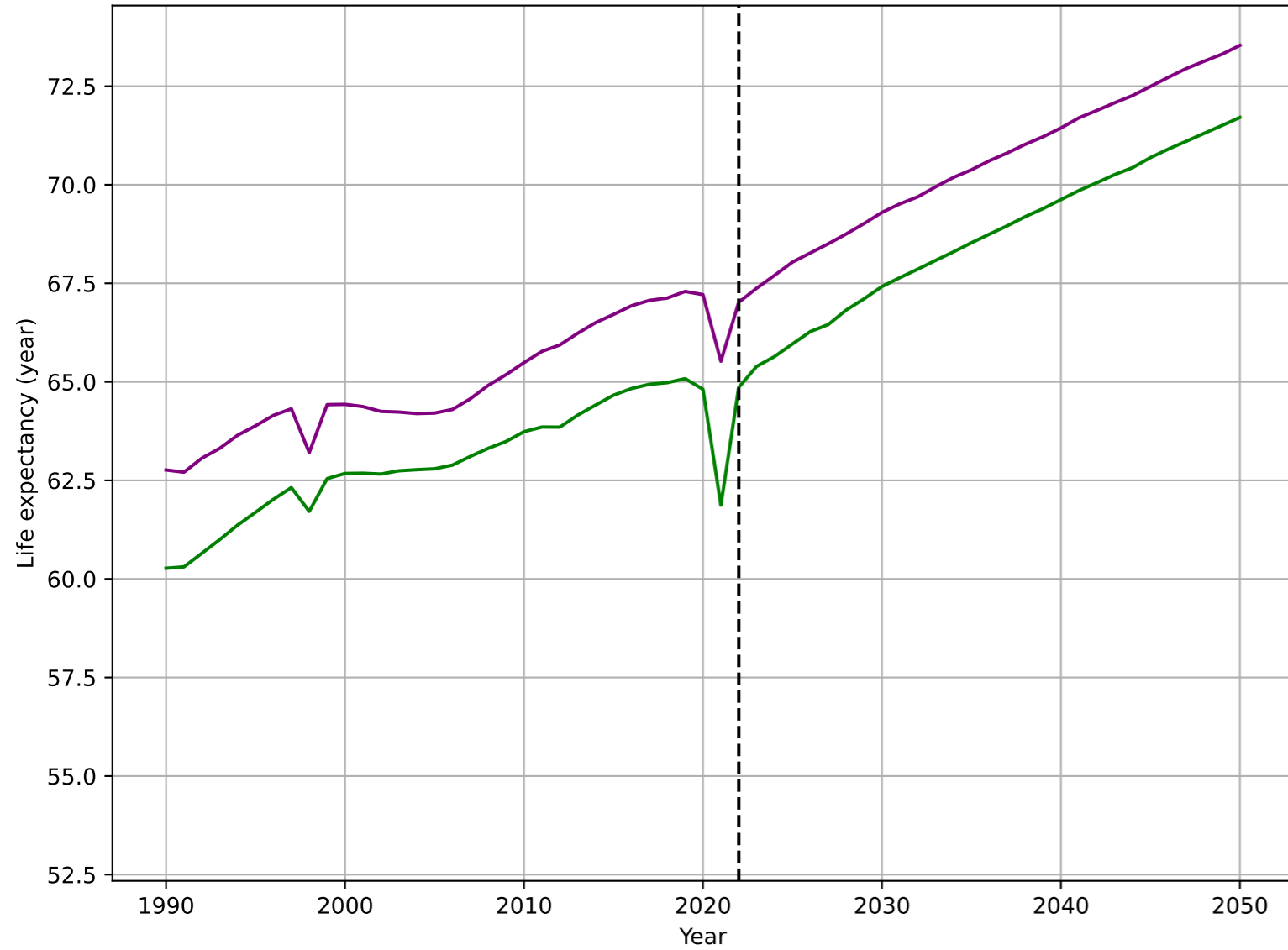


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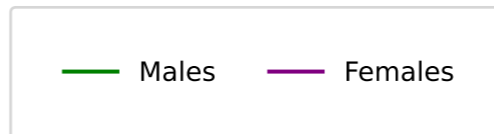
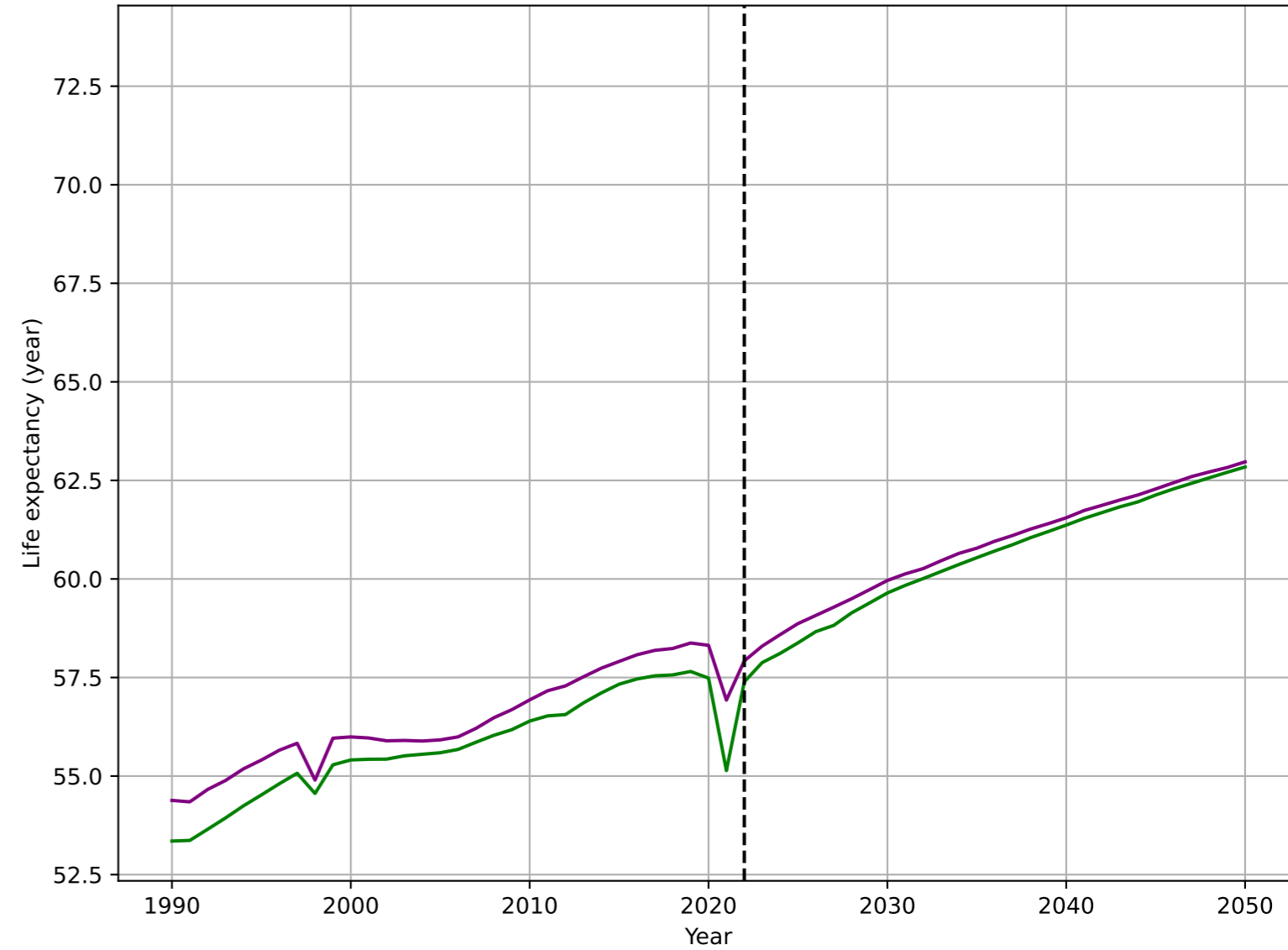


# Papua New Guinea

## Life Expectancy

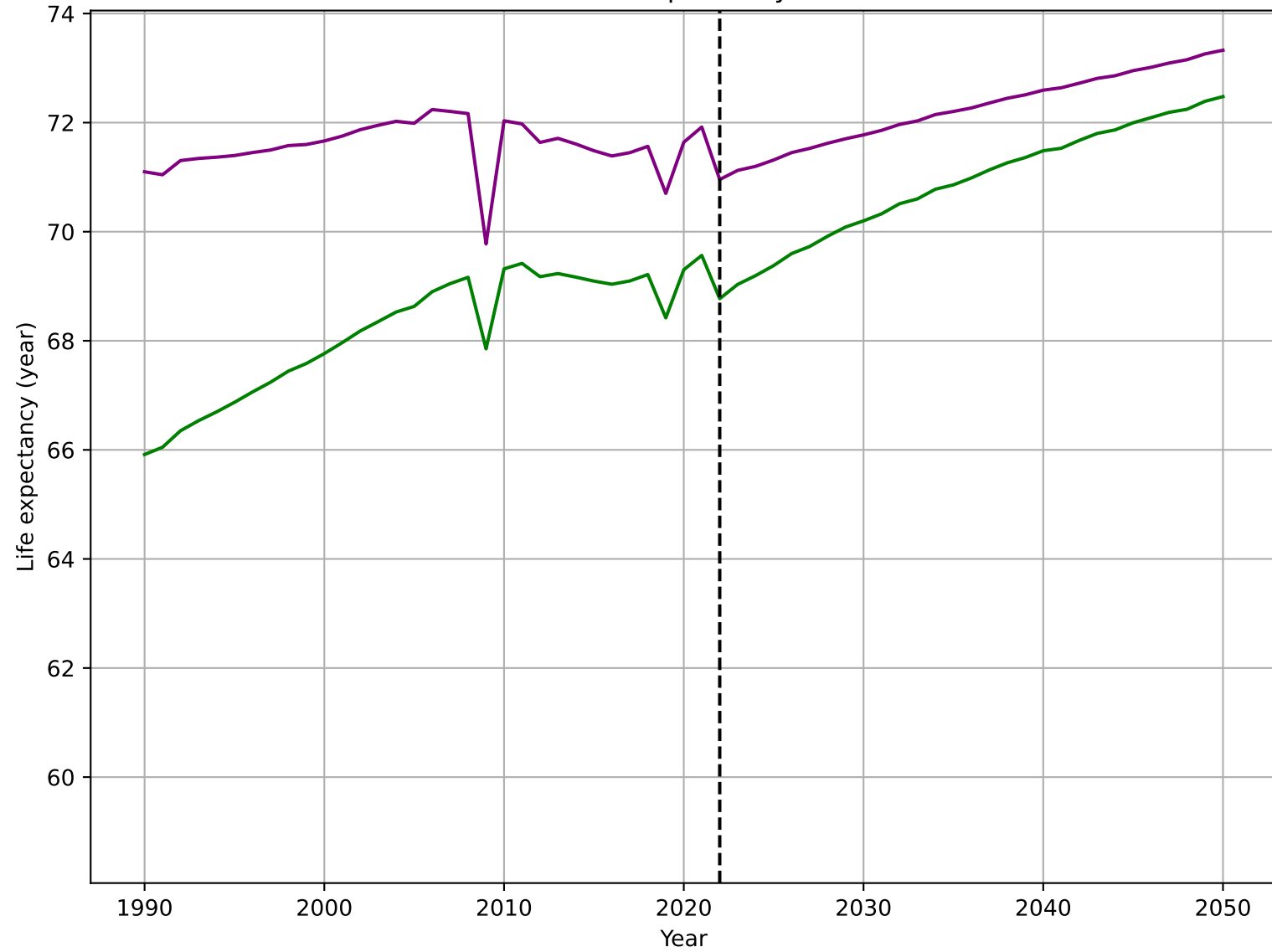


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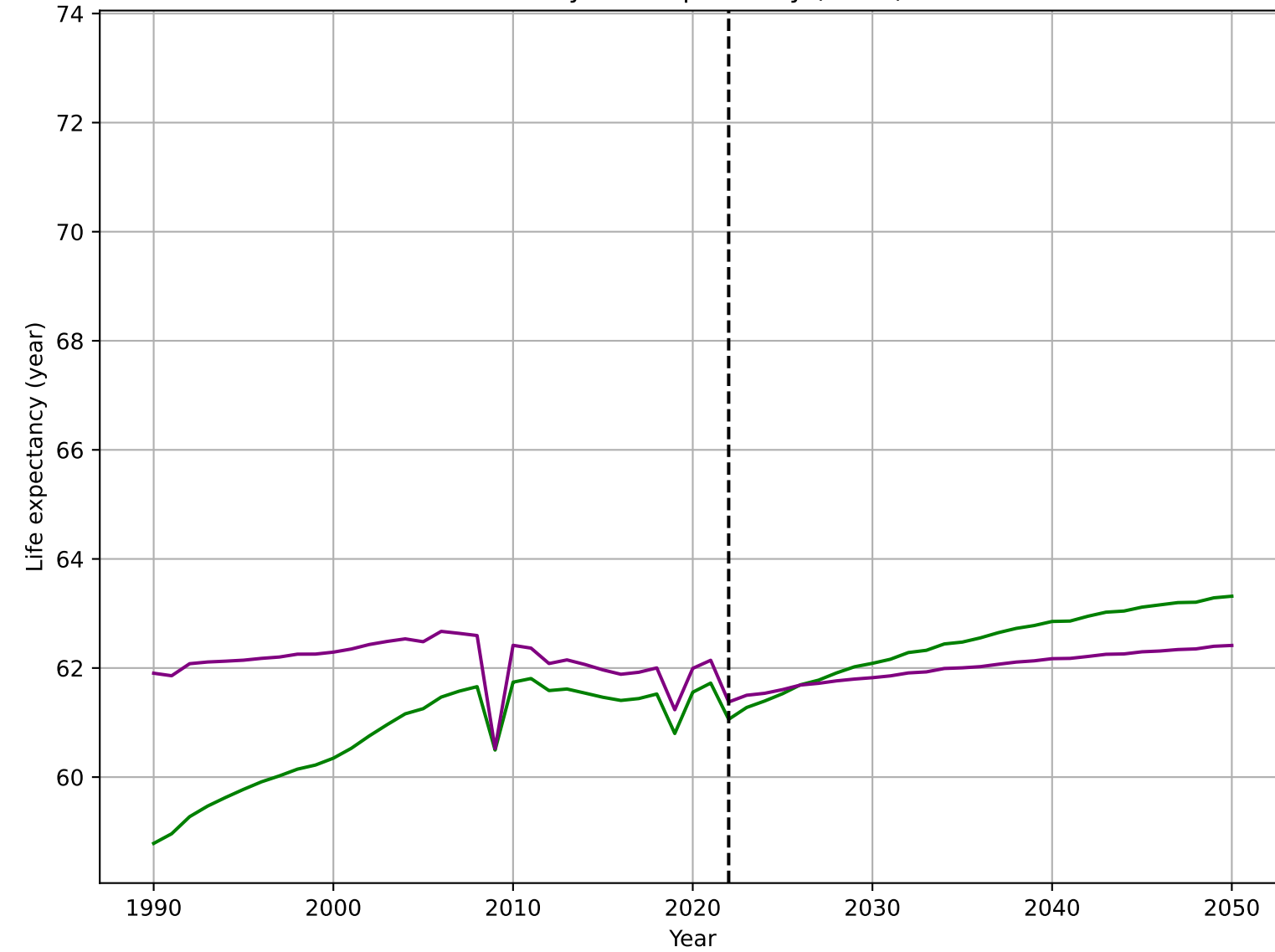


# Samoa

### Life Expectancy



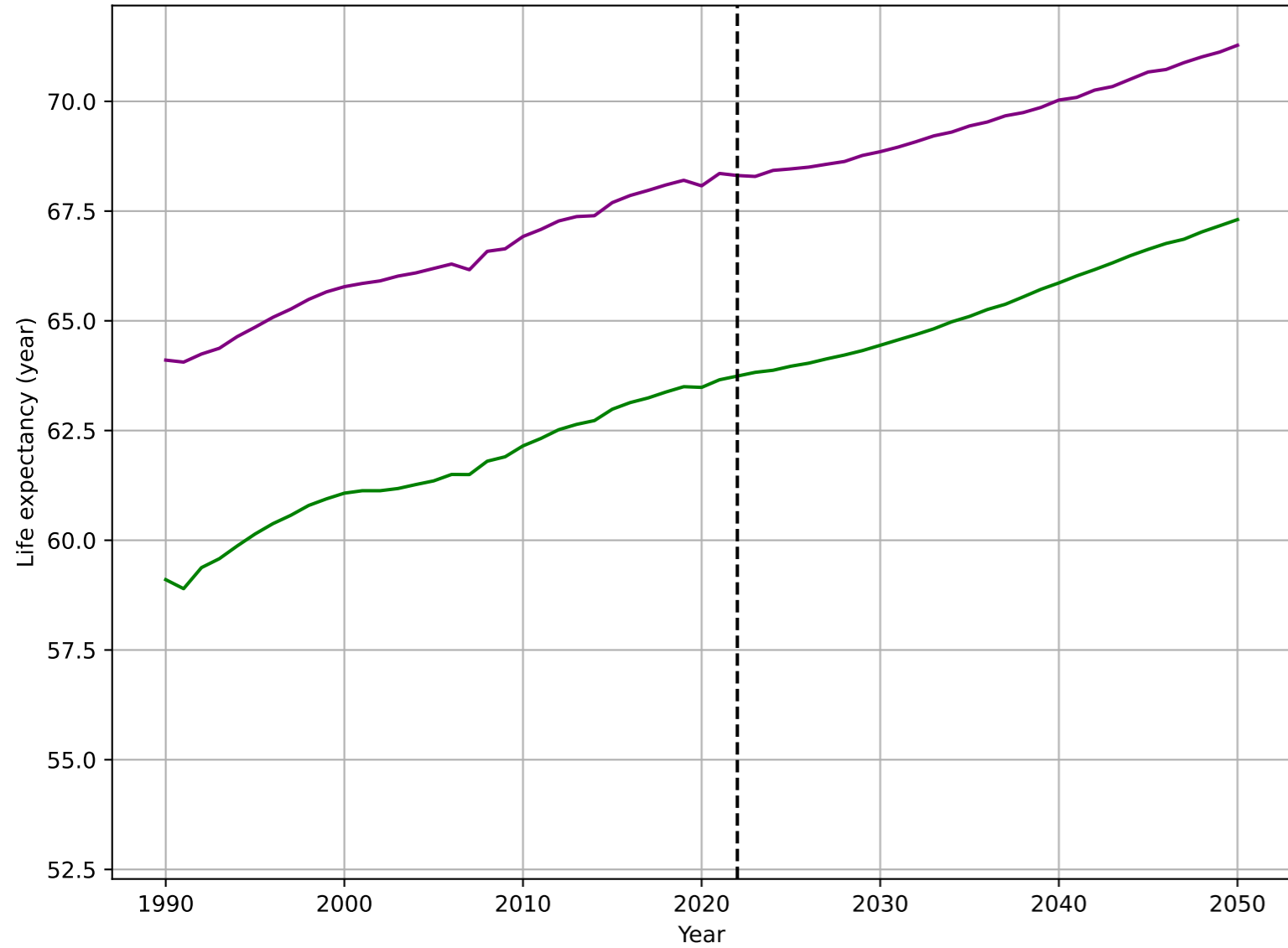
### Healthy Life Expectancy (HALE)



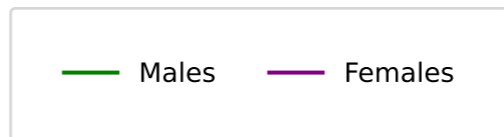
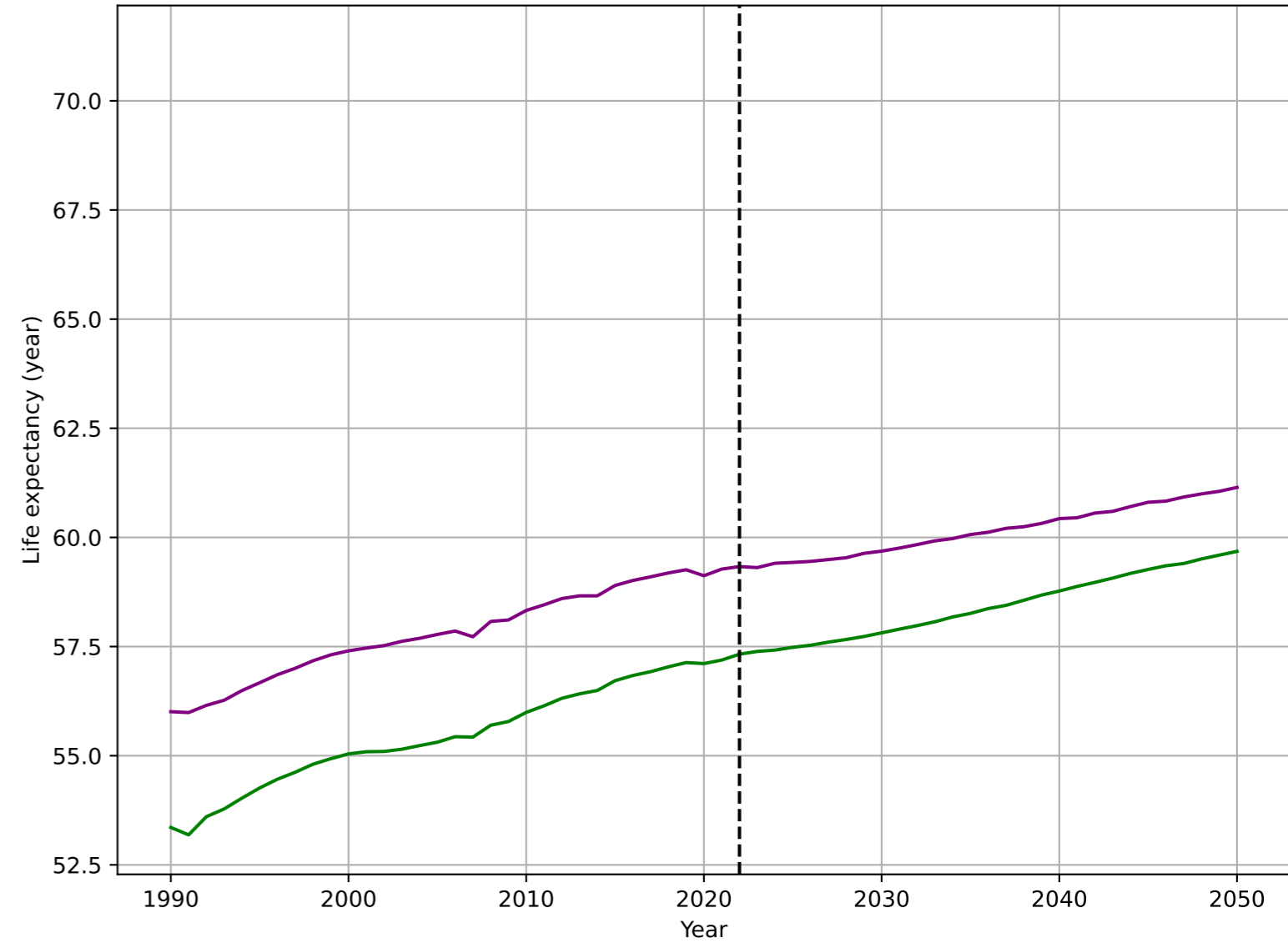


# Solomon Islands

### Life Expectancy

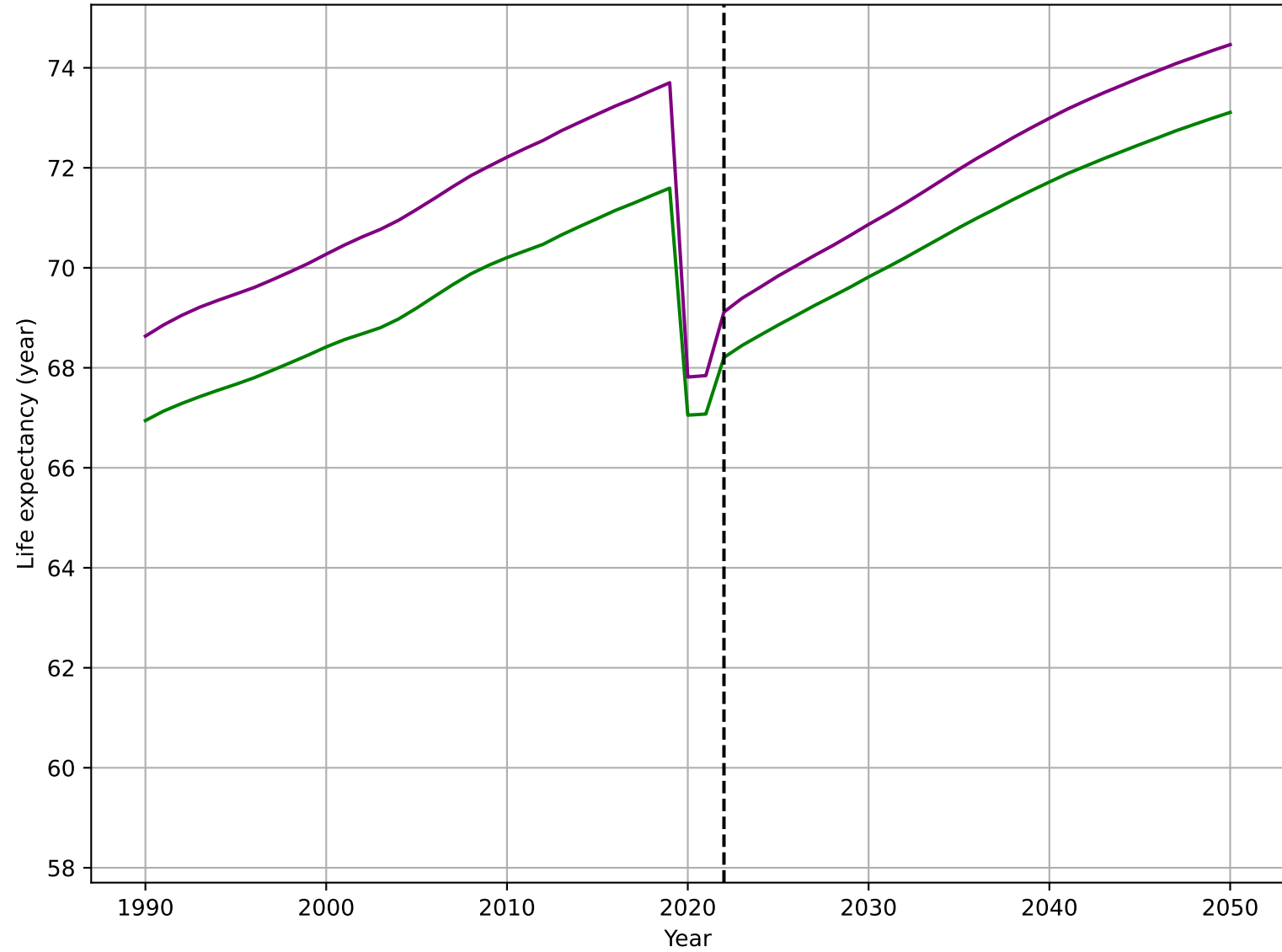


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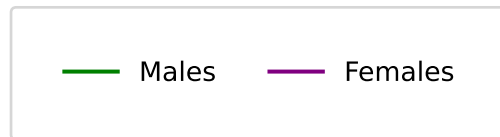
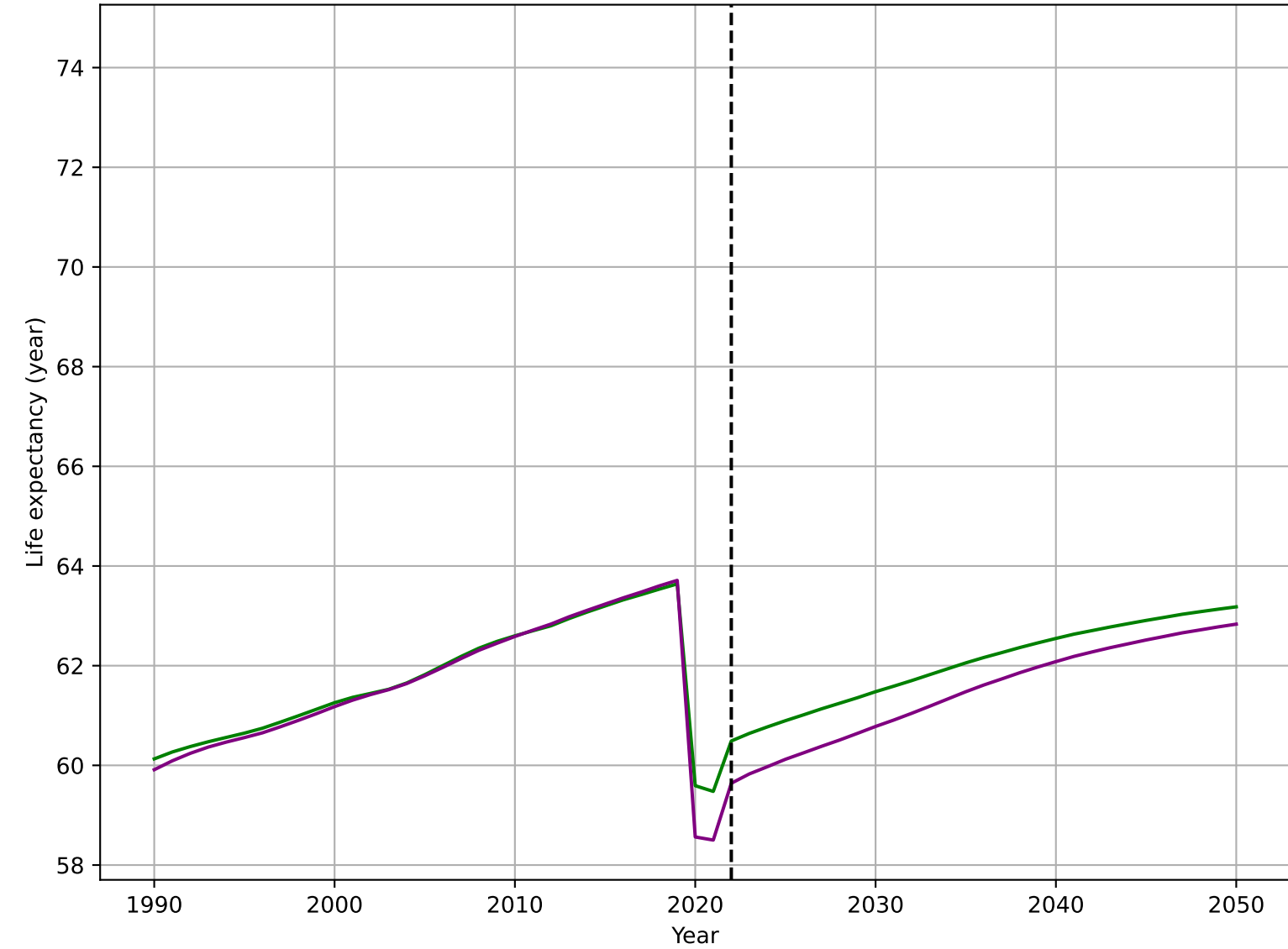


# Tokelau

### Life Expectancy

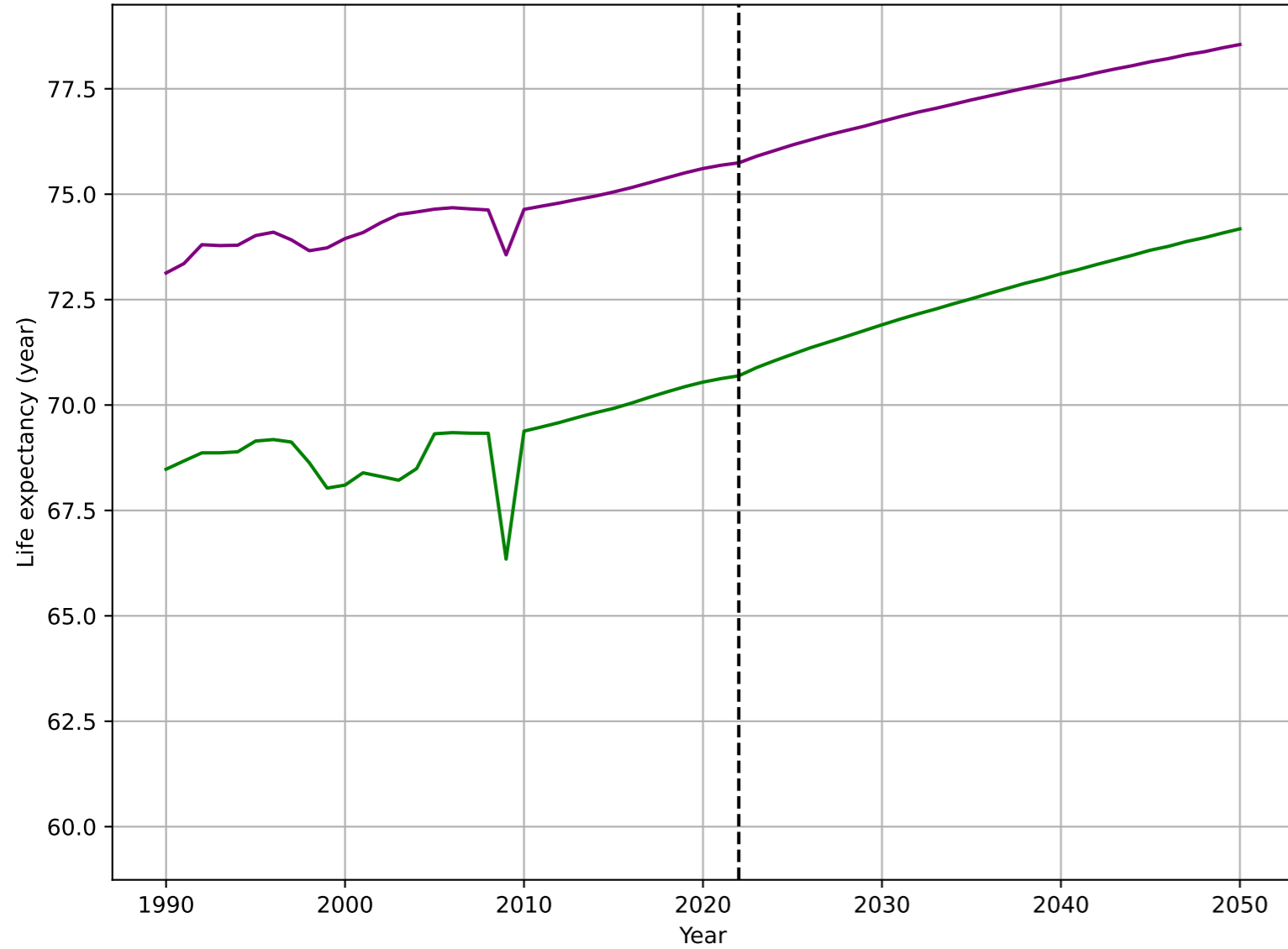


### Healthy Life Expectancy (HALE)

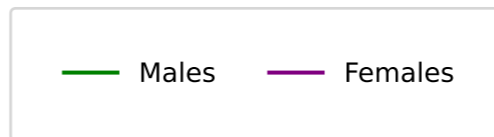
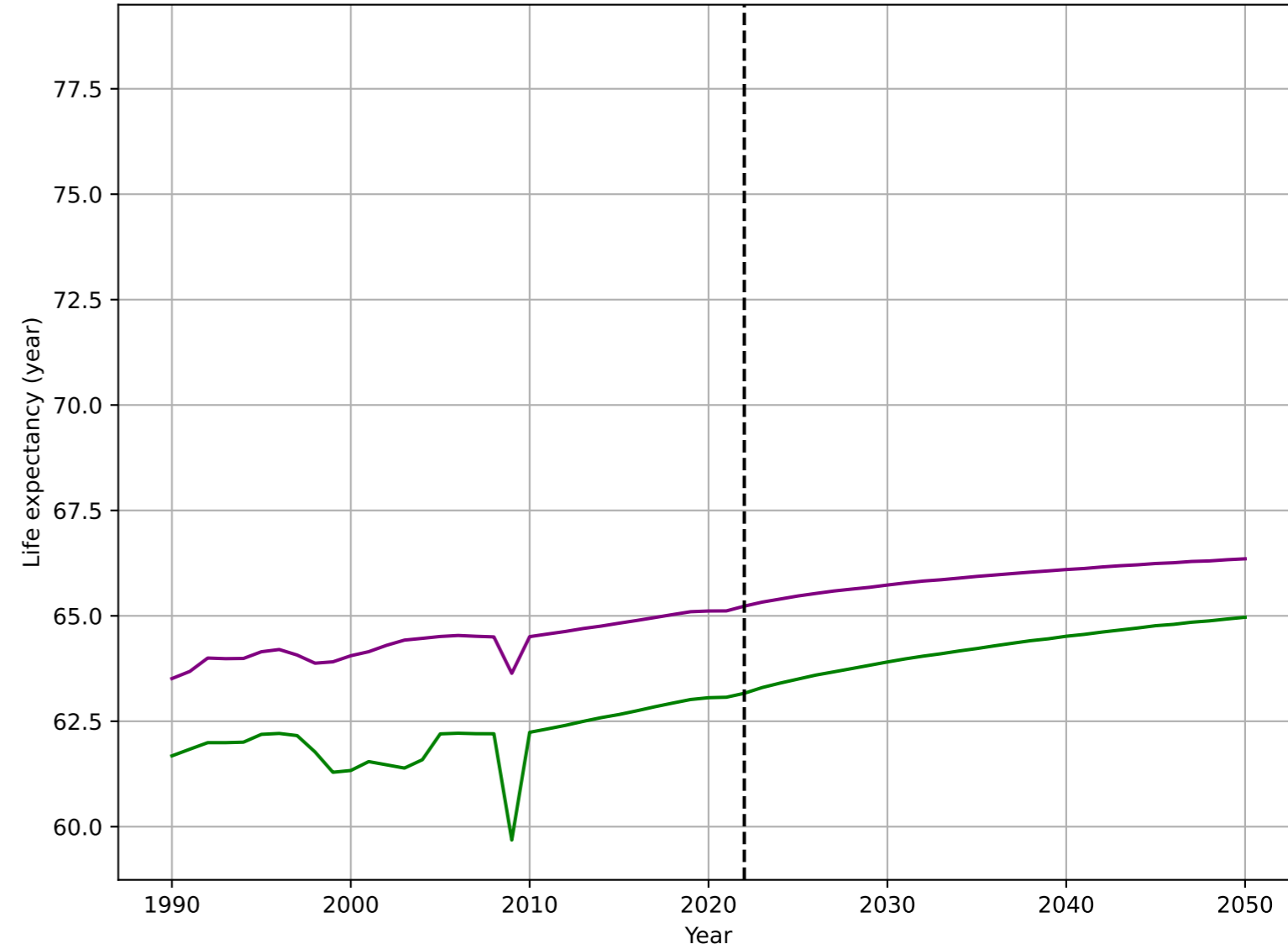


# Tonga

### Life Expectancy

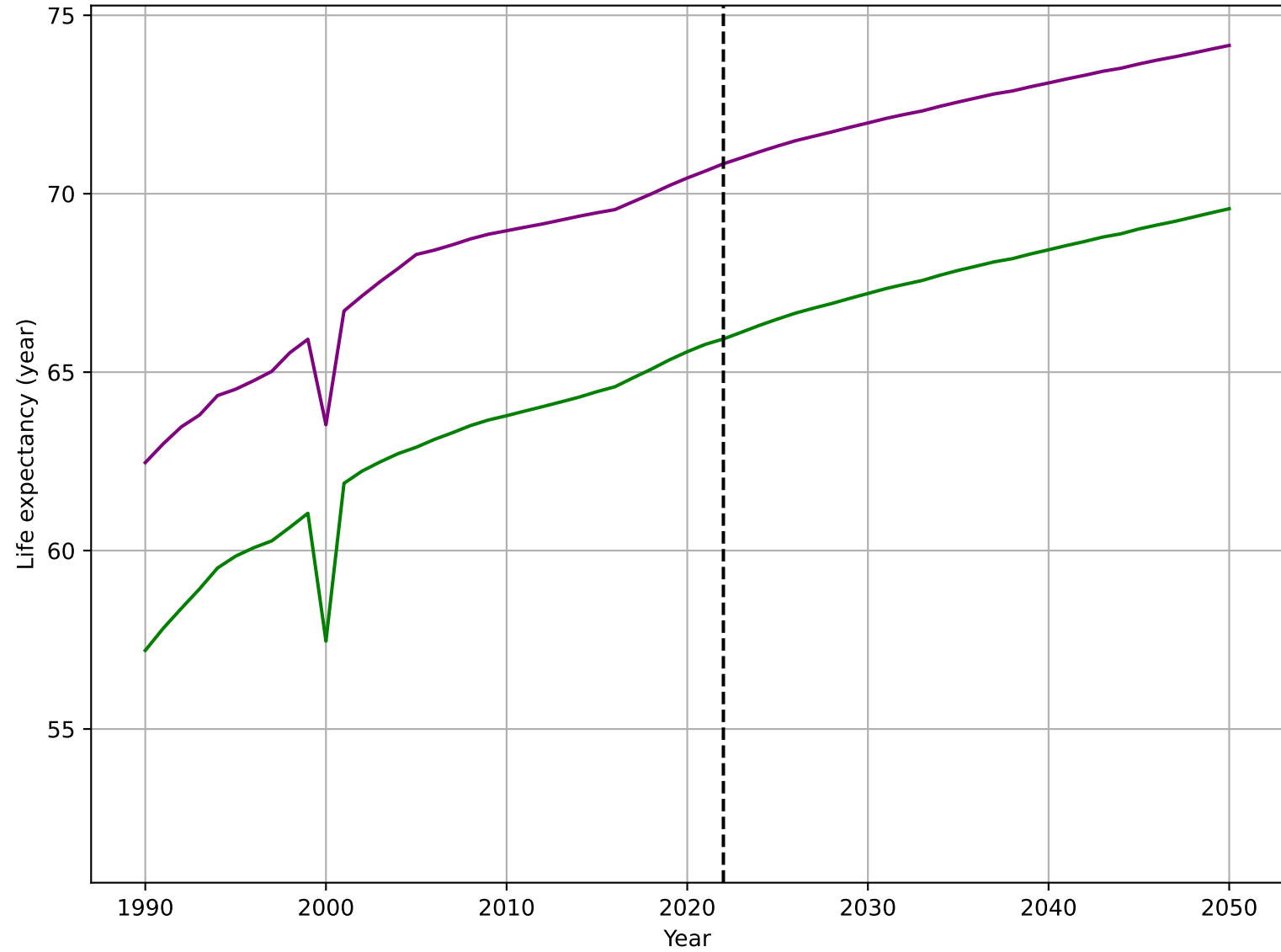


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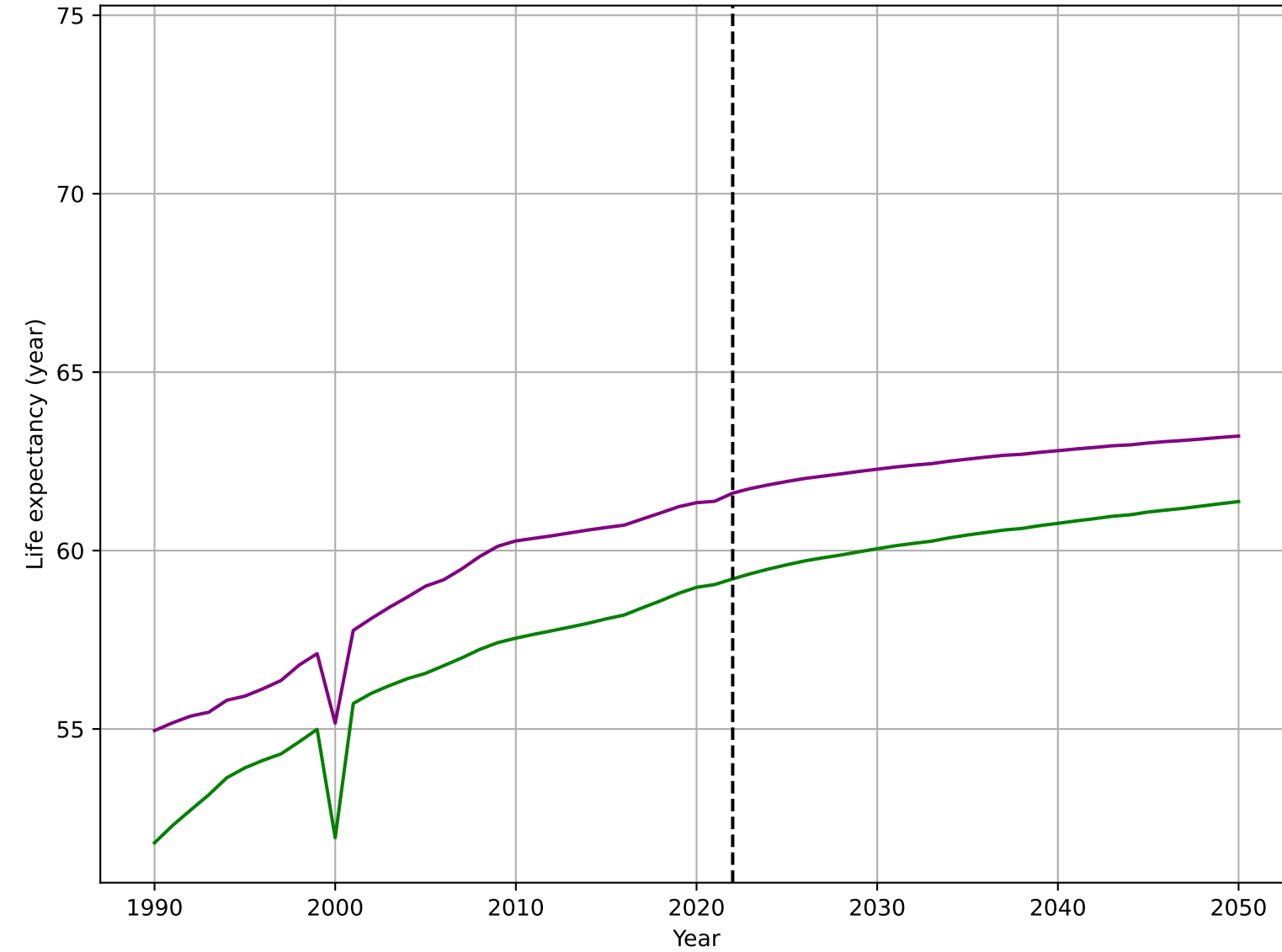


# Tuvalu

### Life Expectancy

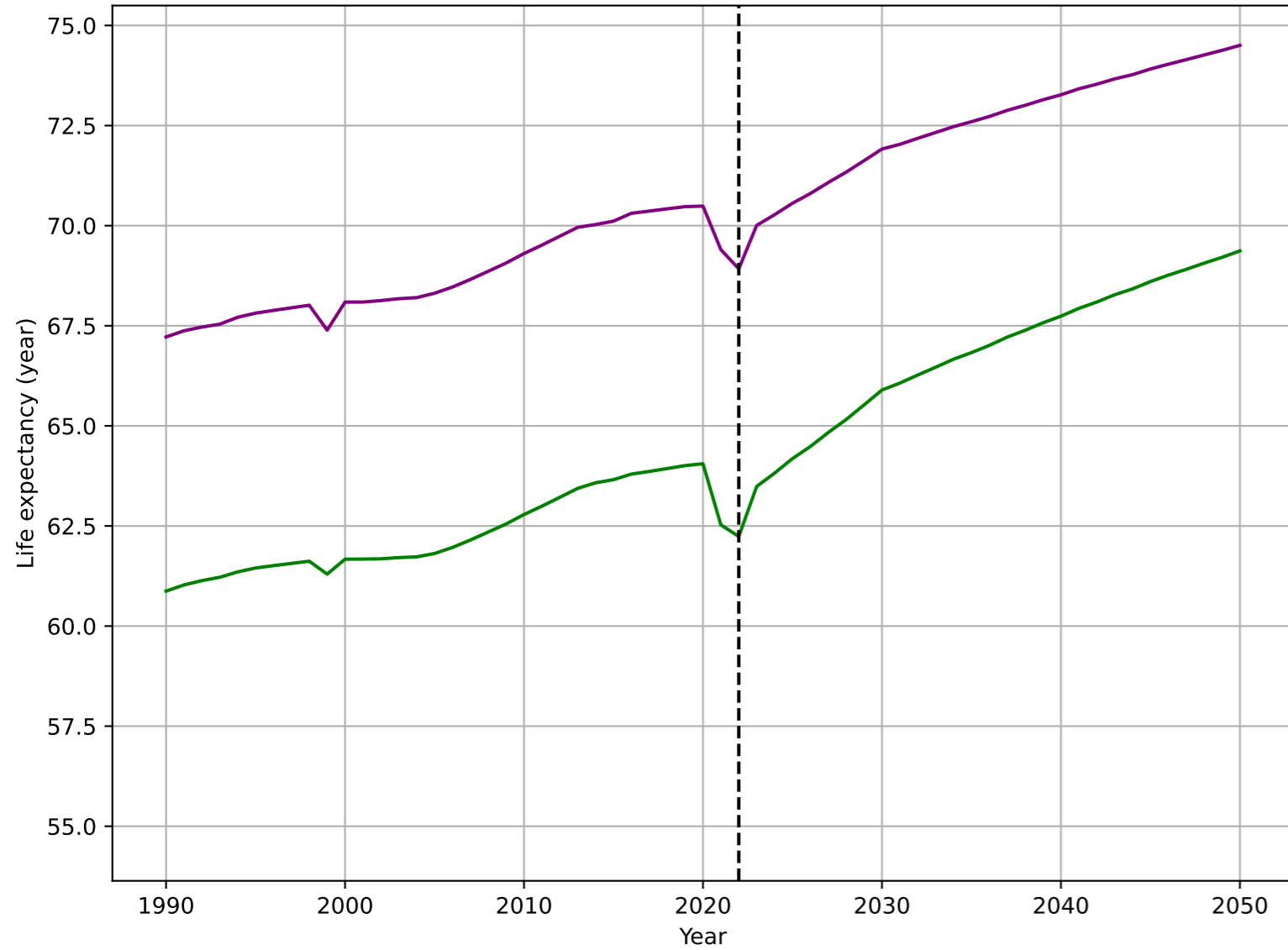


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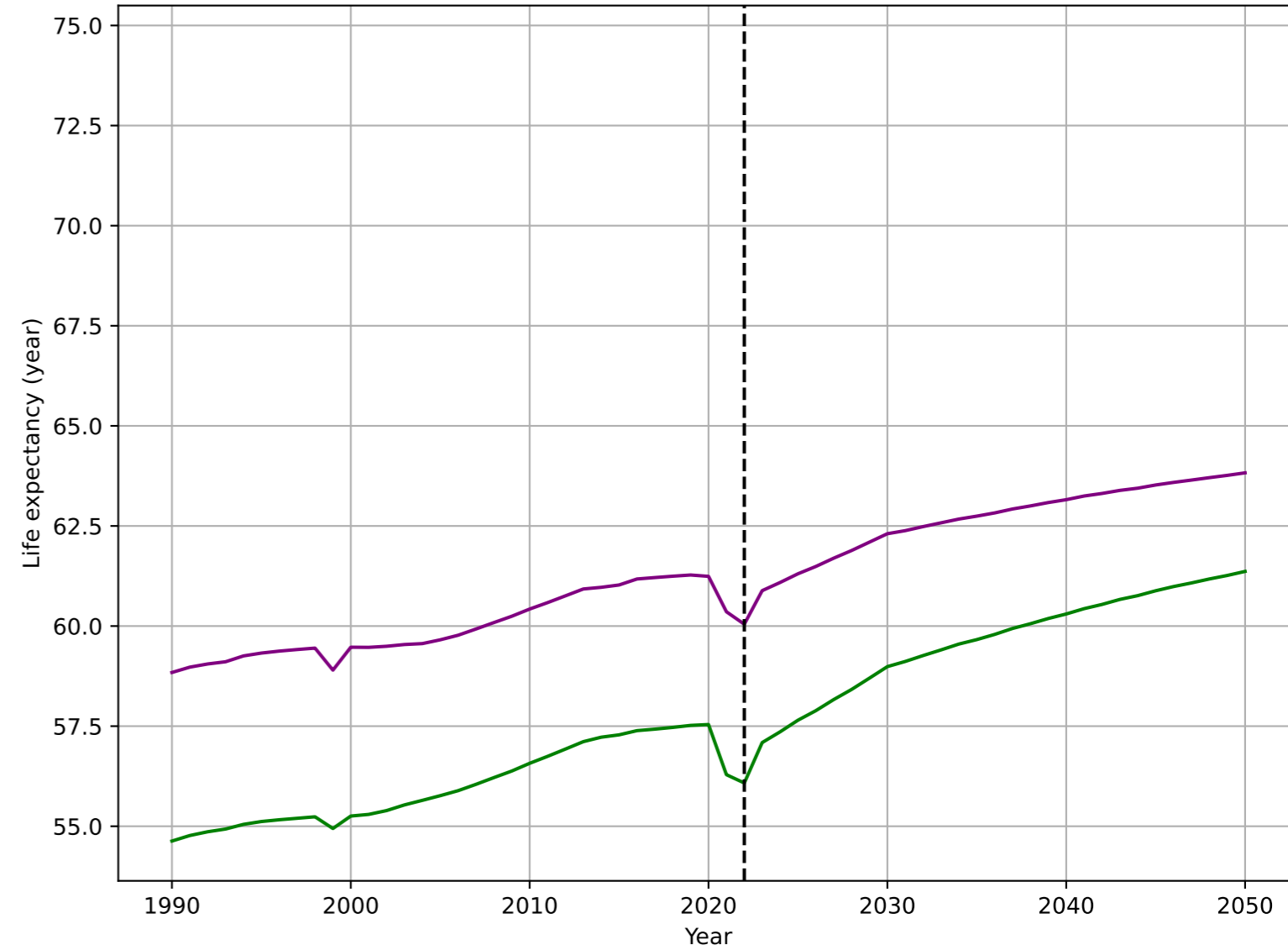


# Vanuatu

### Life Expectancy

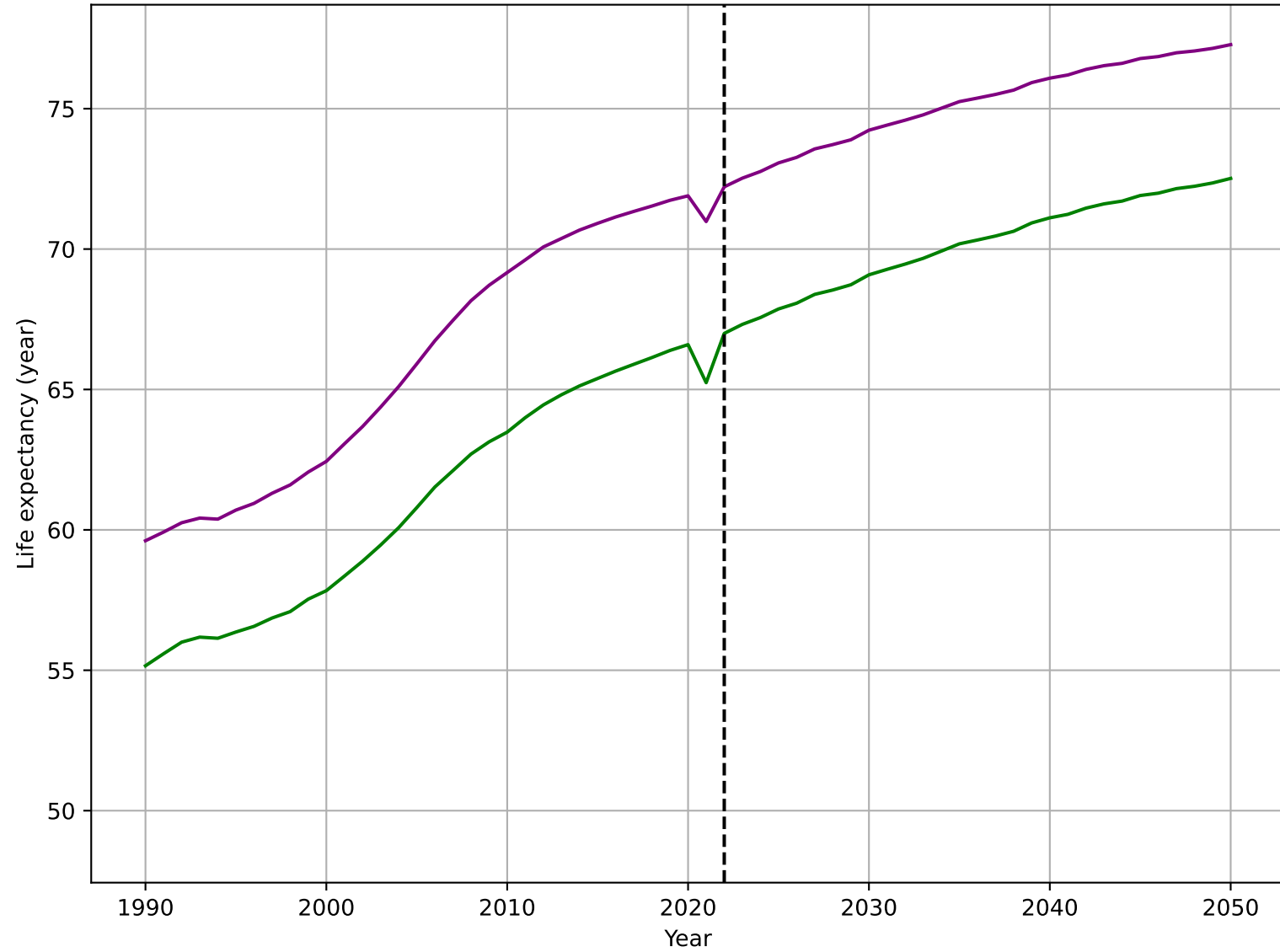


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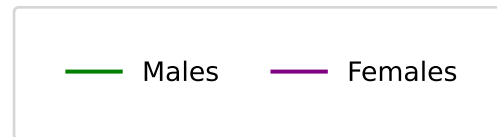
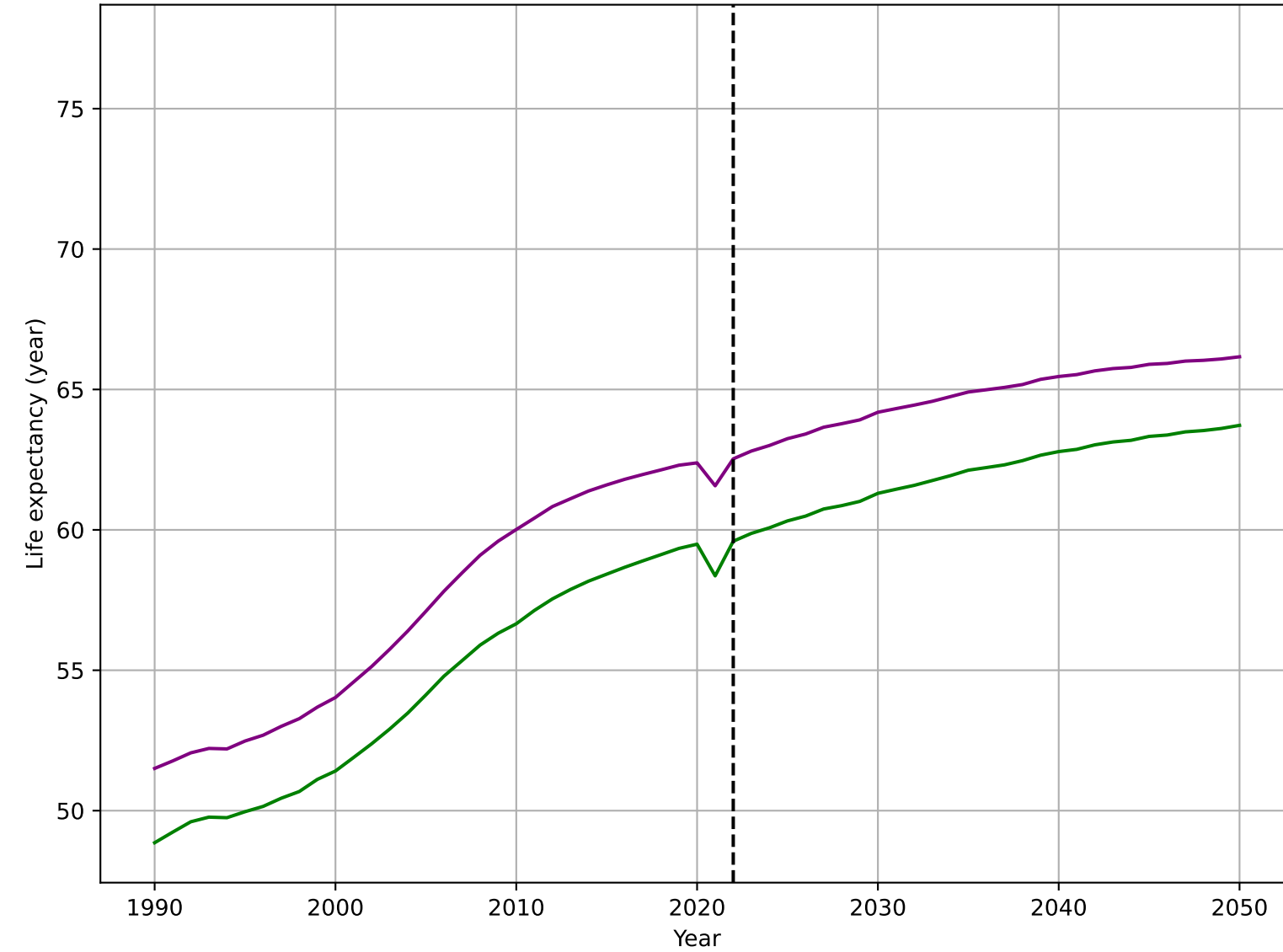


# Cambodia

### Life Expectancy



### Healthy Life Expectancy (HALE)

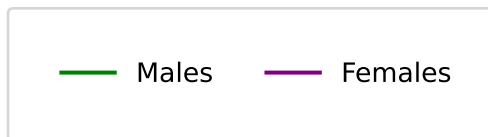
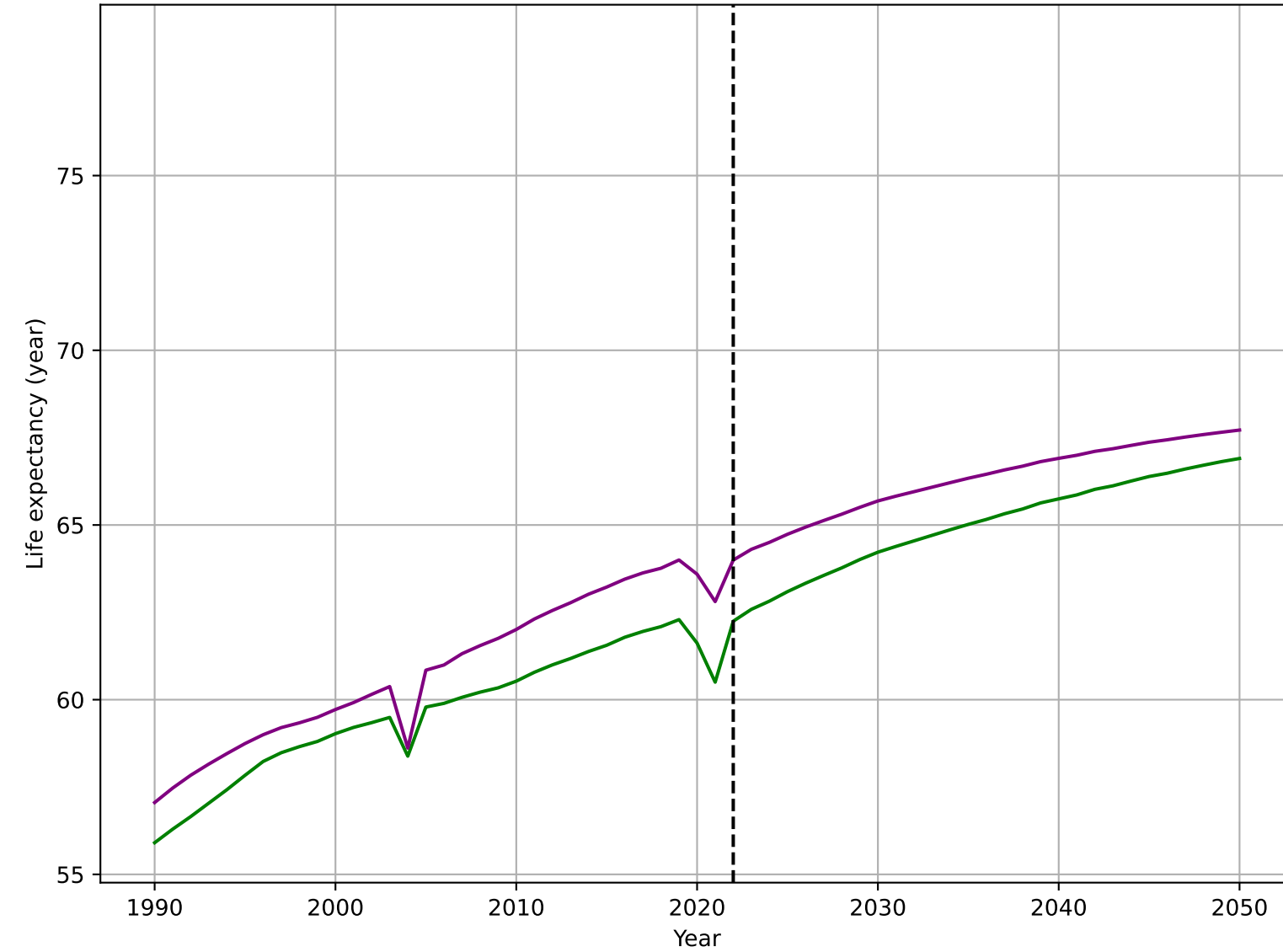


# Indonesia

### Life Expectancy

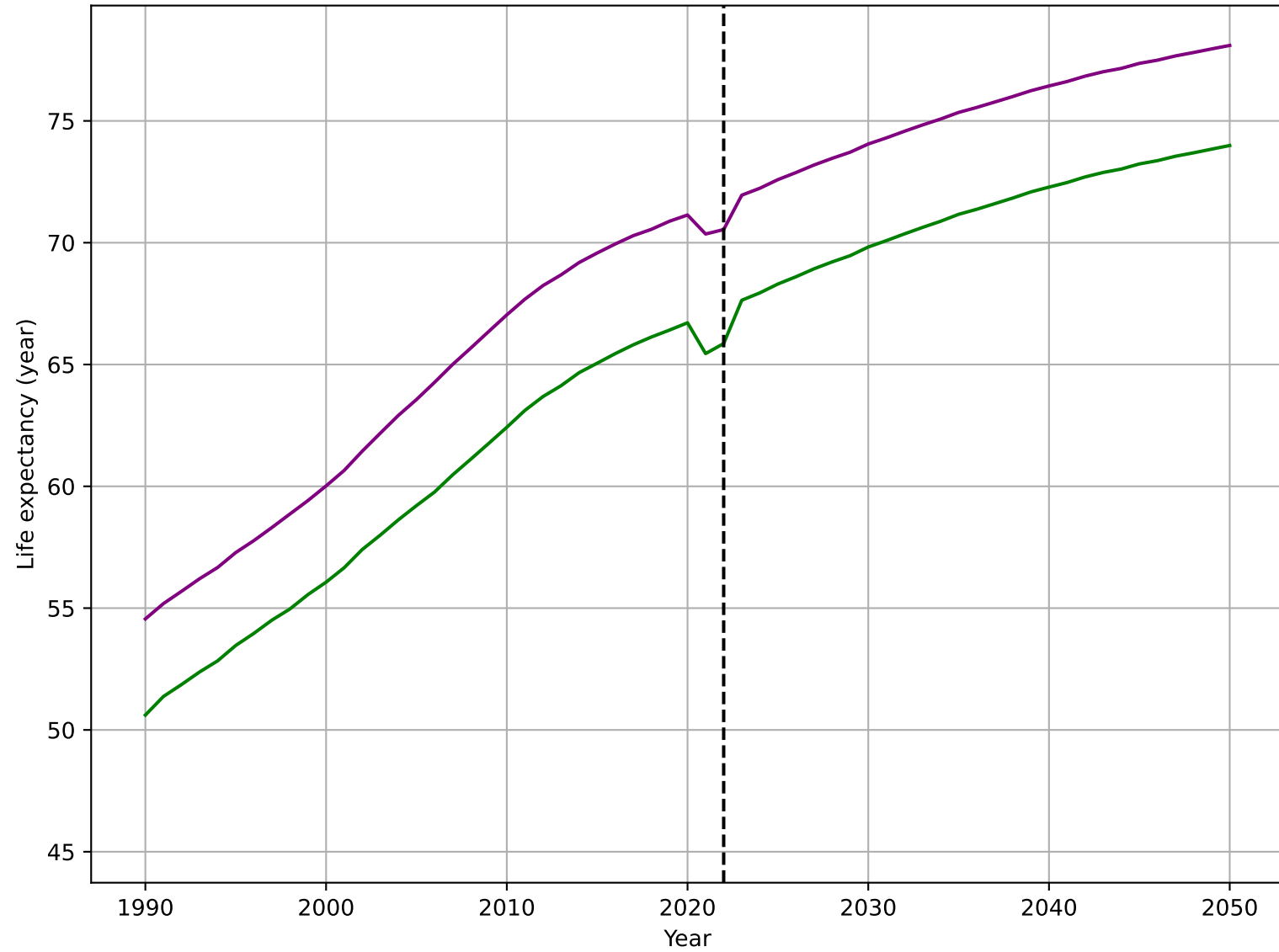


### Healthy Life Expectancy (HALE)

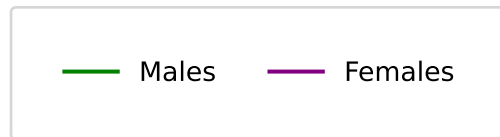
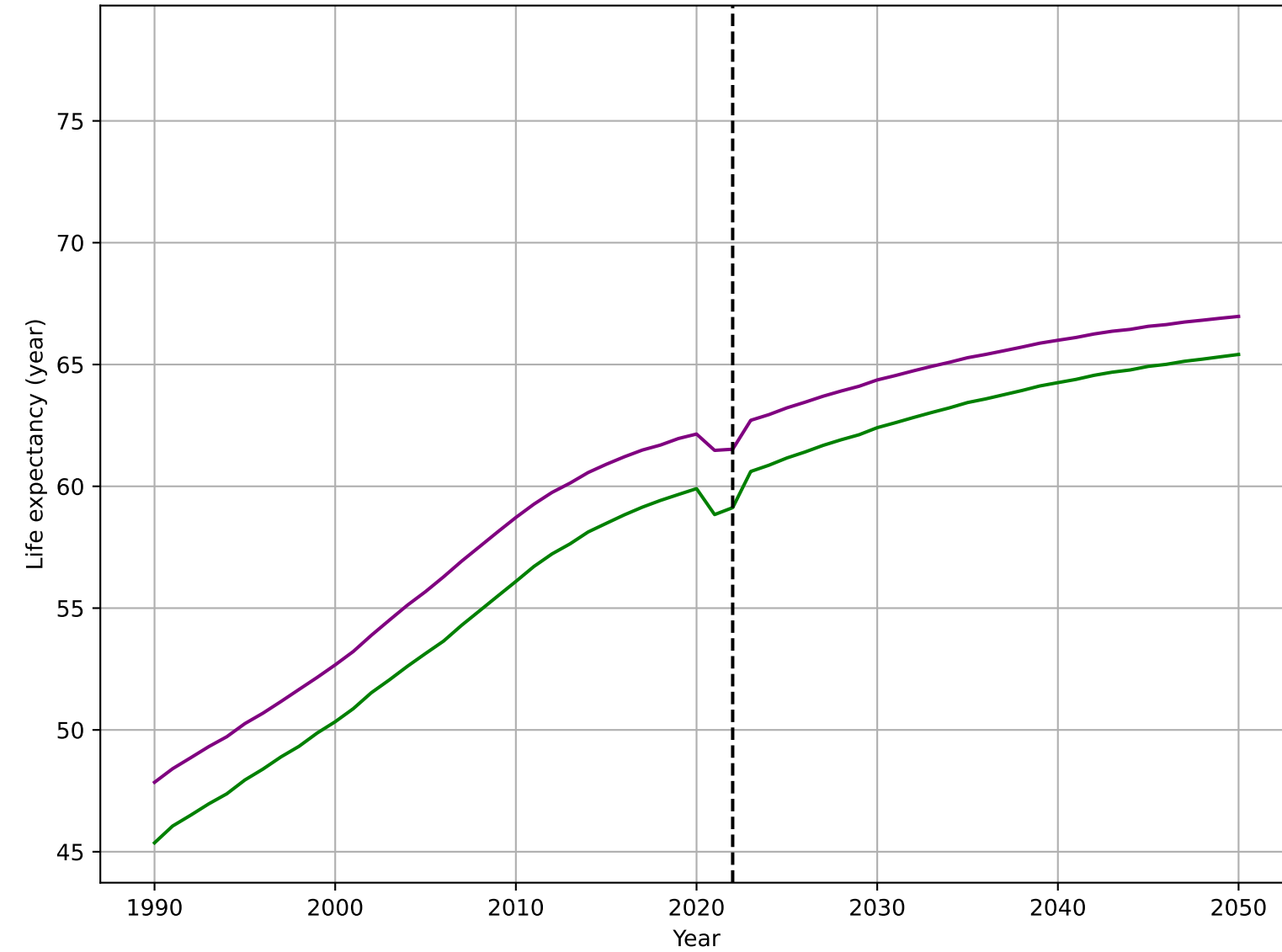


# Laos

### Life Expectancy



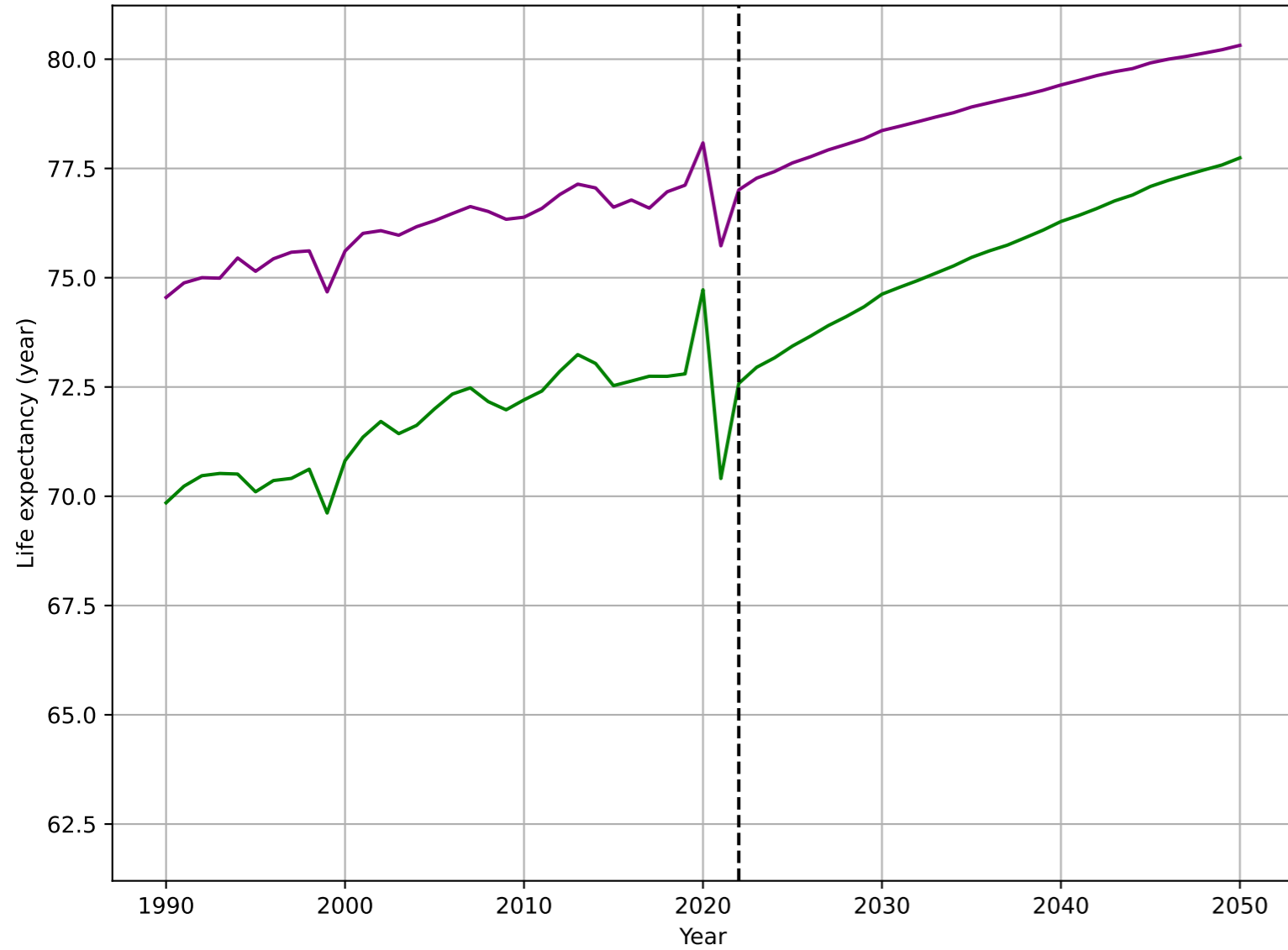
### Healthy Life Expectancy (HALE)



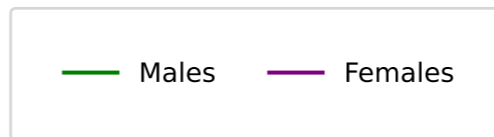
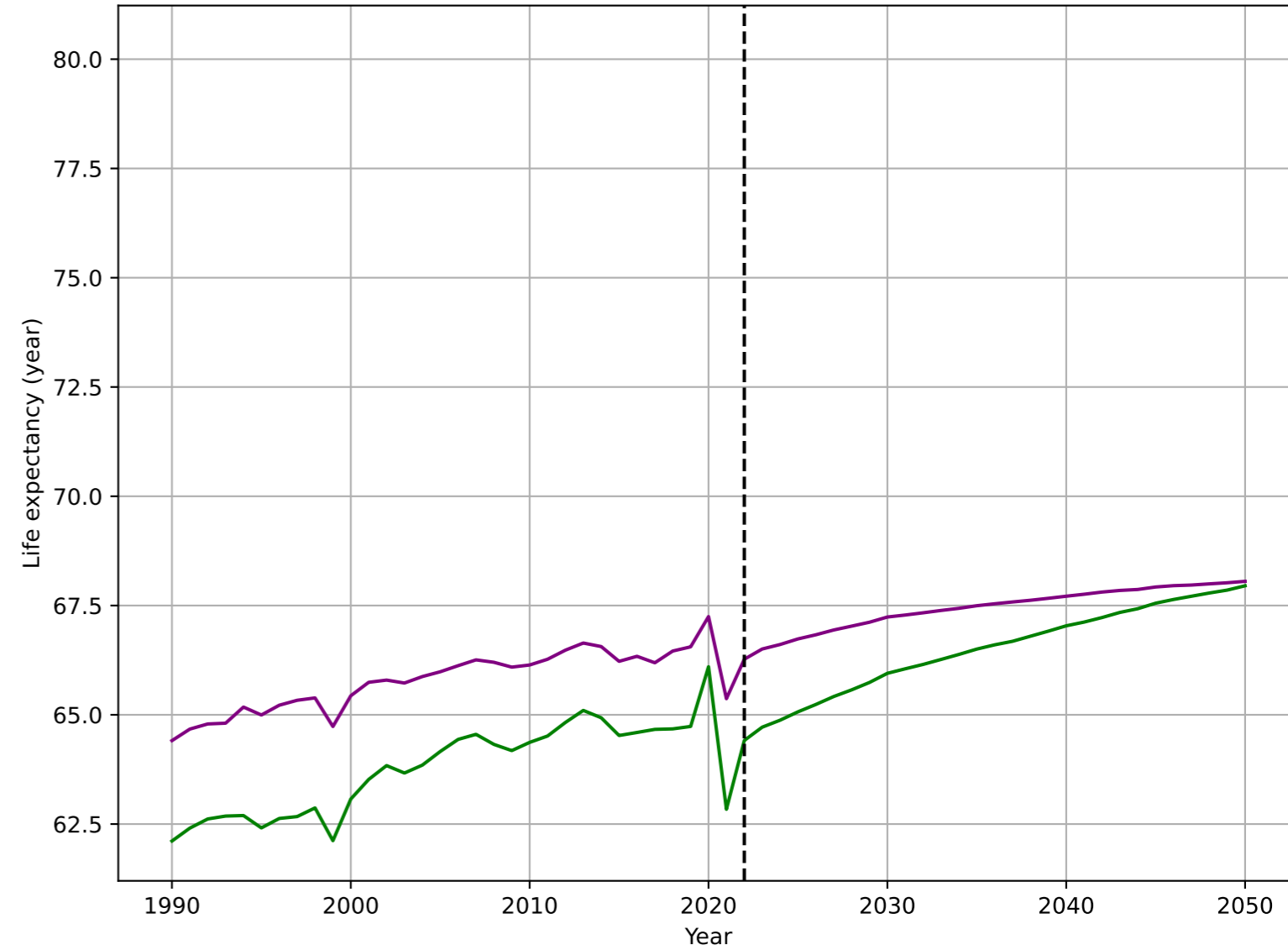


# Malaysia

### Life Expectancy

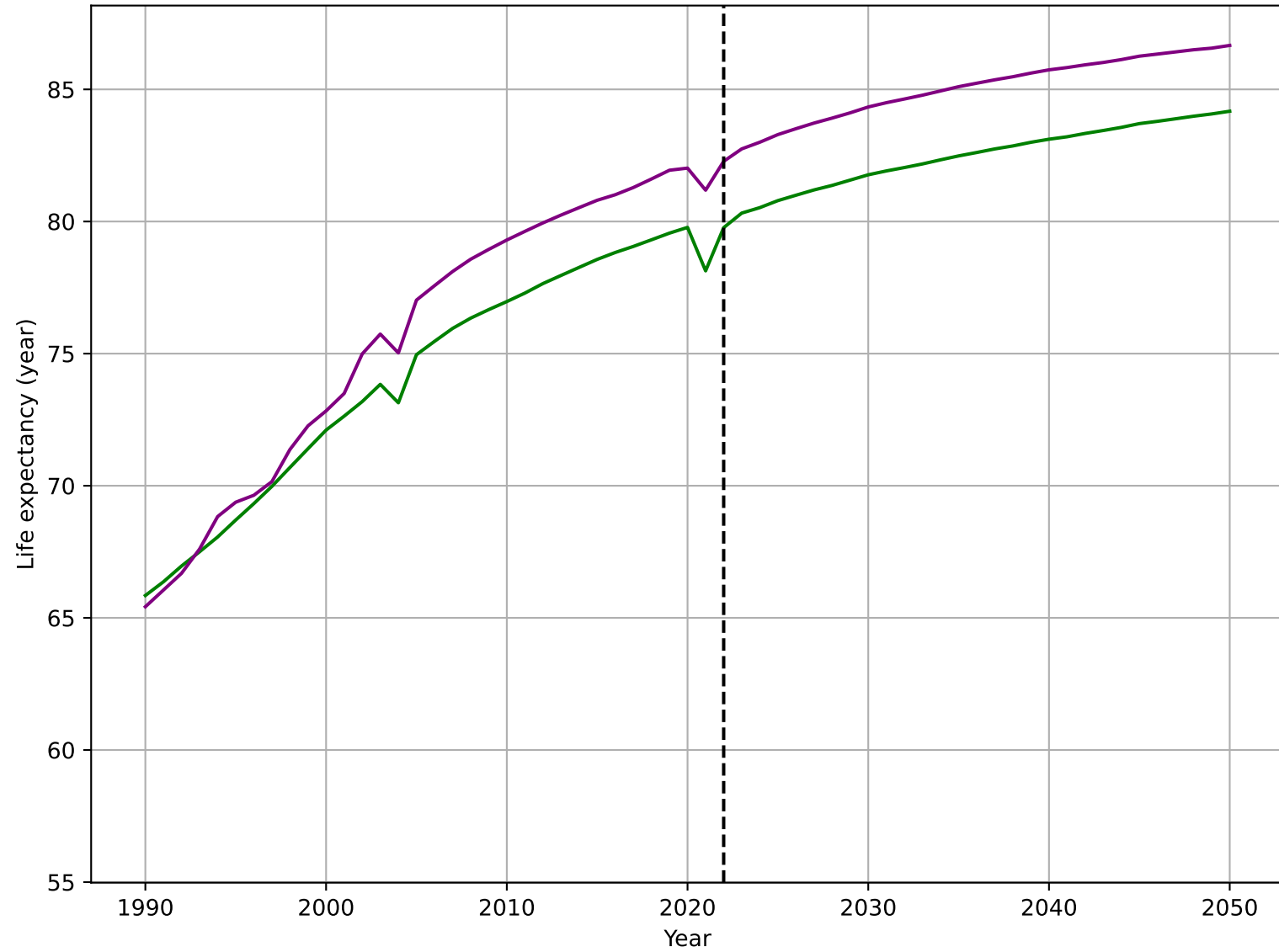


### Healthy Life Expectancy (HALE)

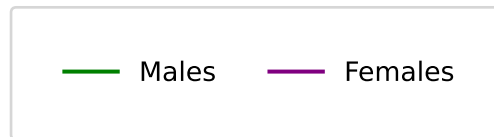
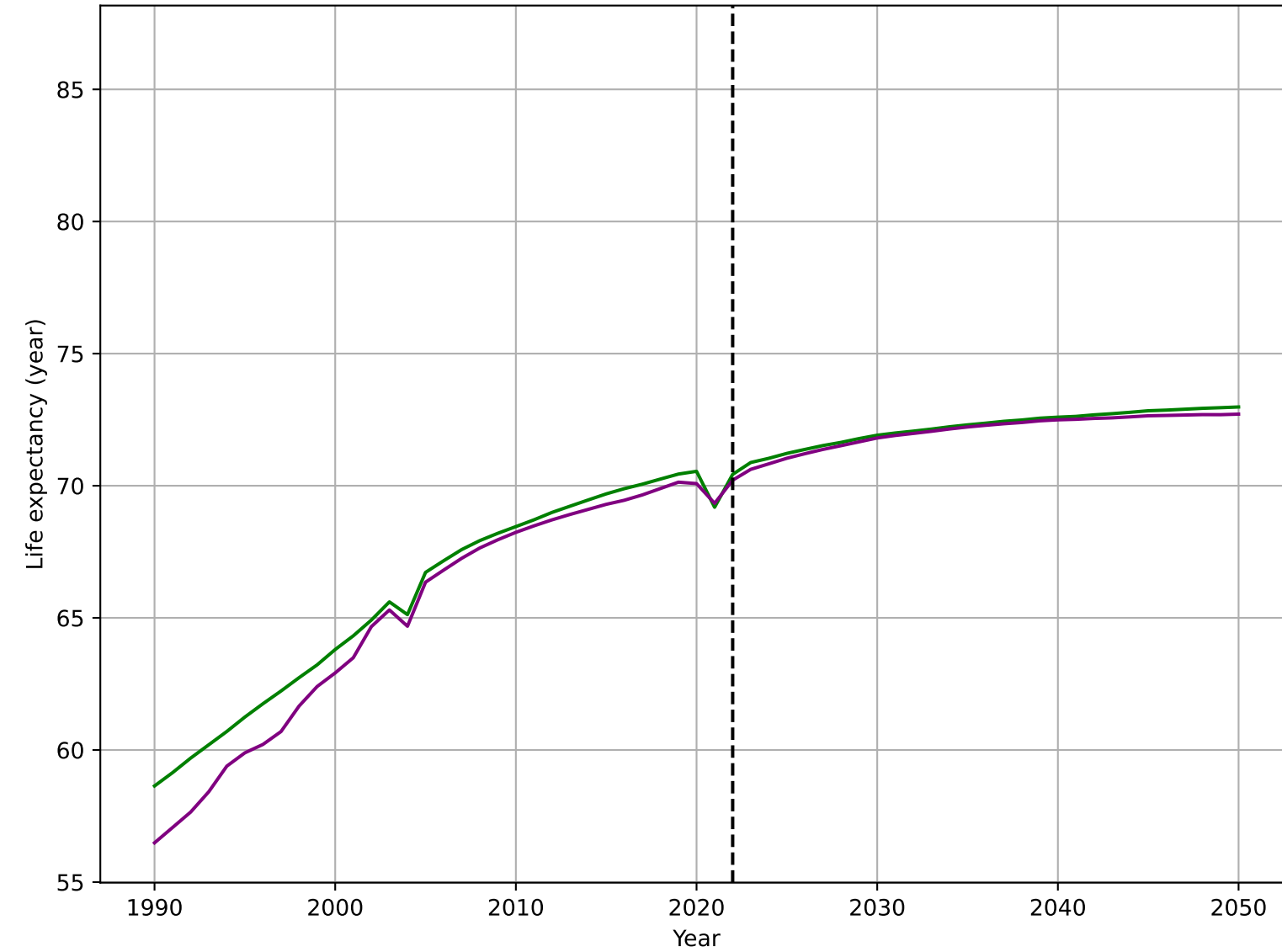


# Maldives

### Life Expectancy

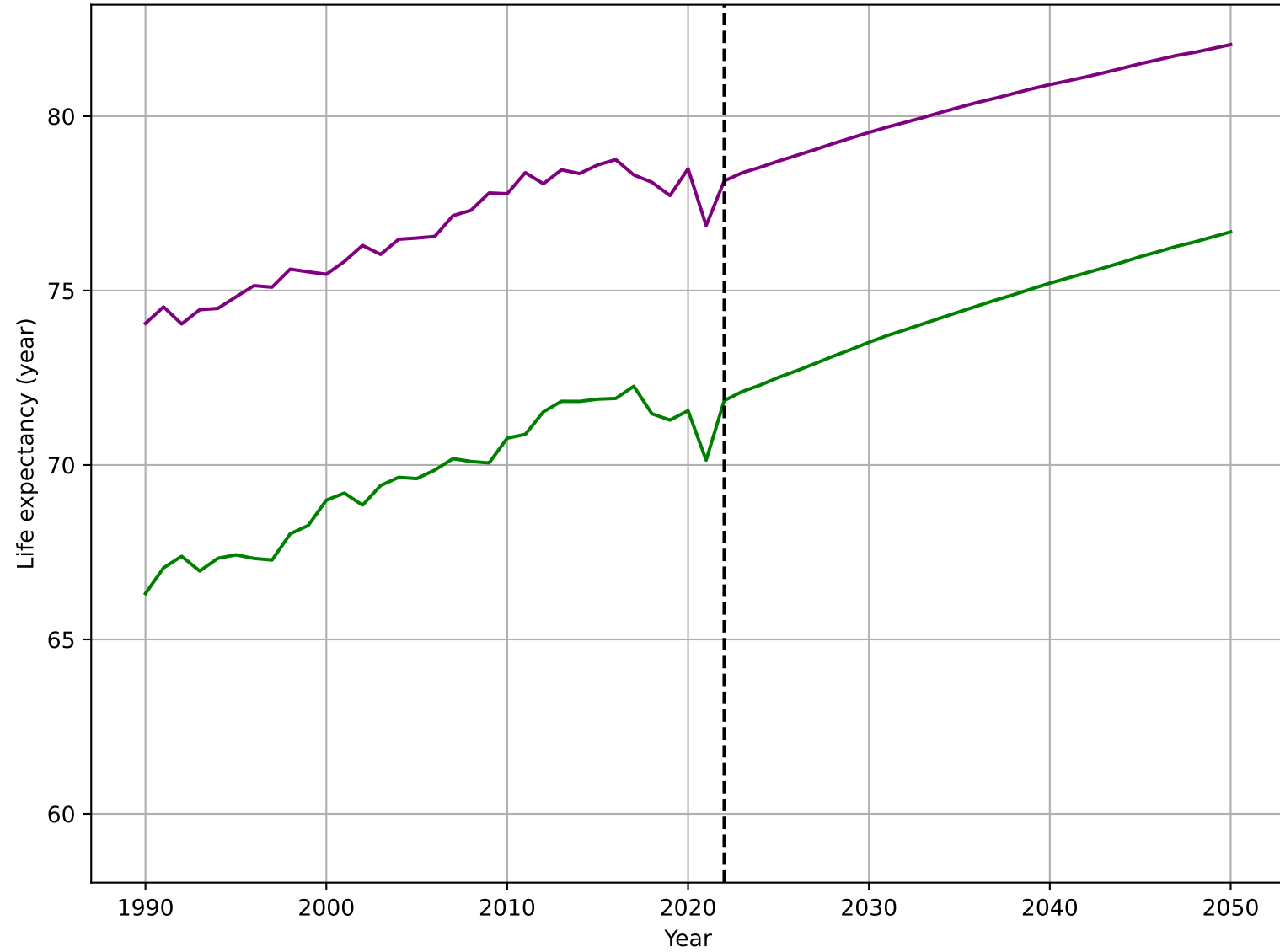


### Healthy Life Expectancy (HALE)

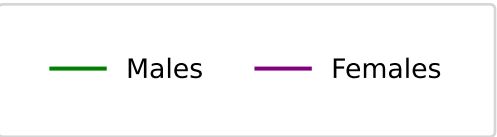
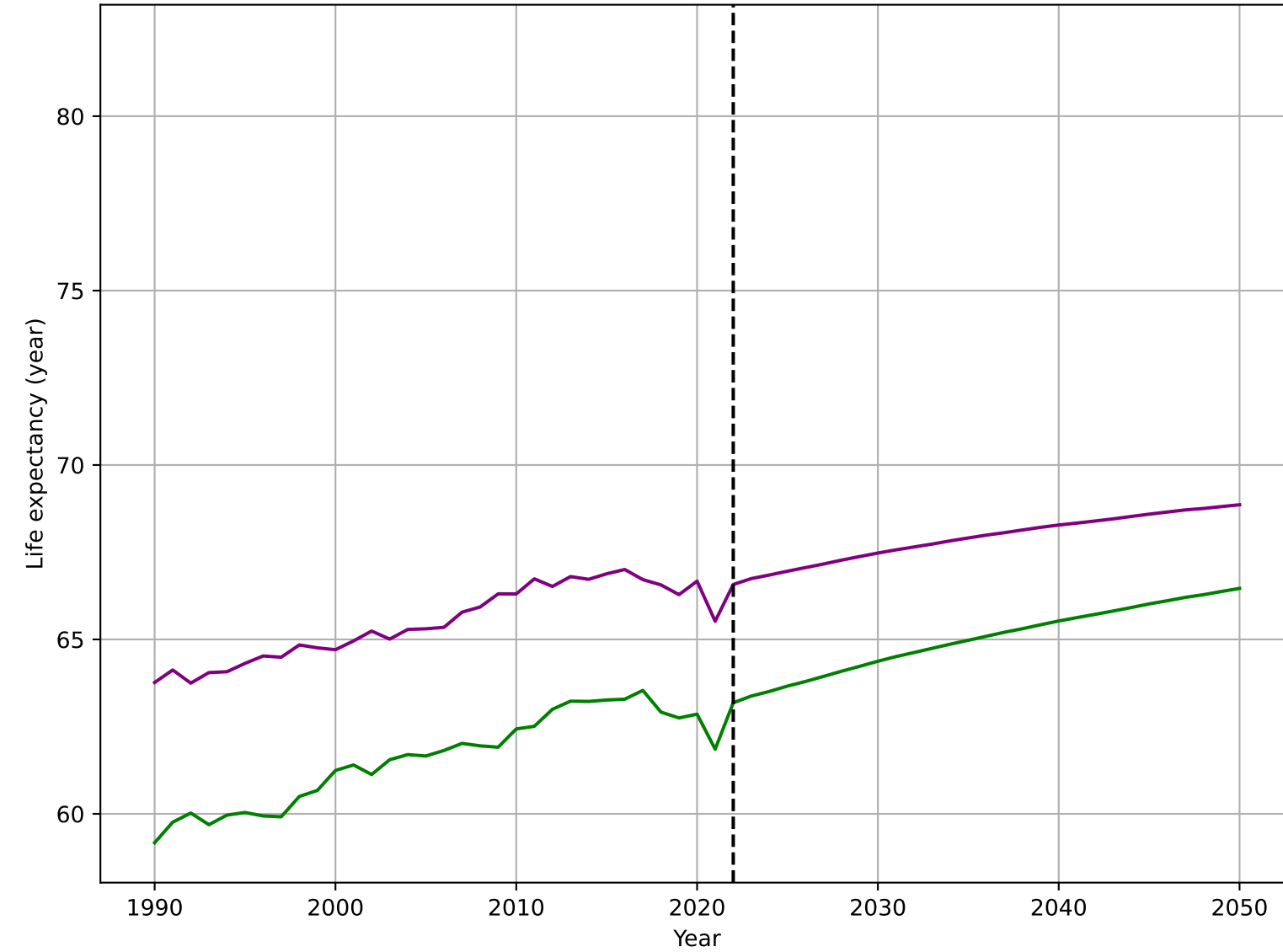


# Mauritius

### Life Expectancy

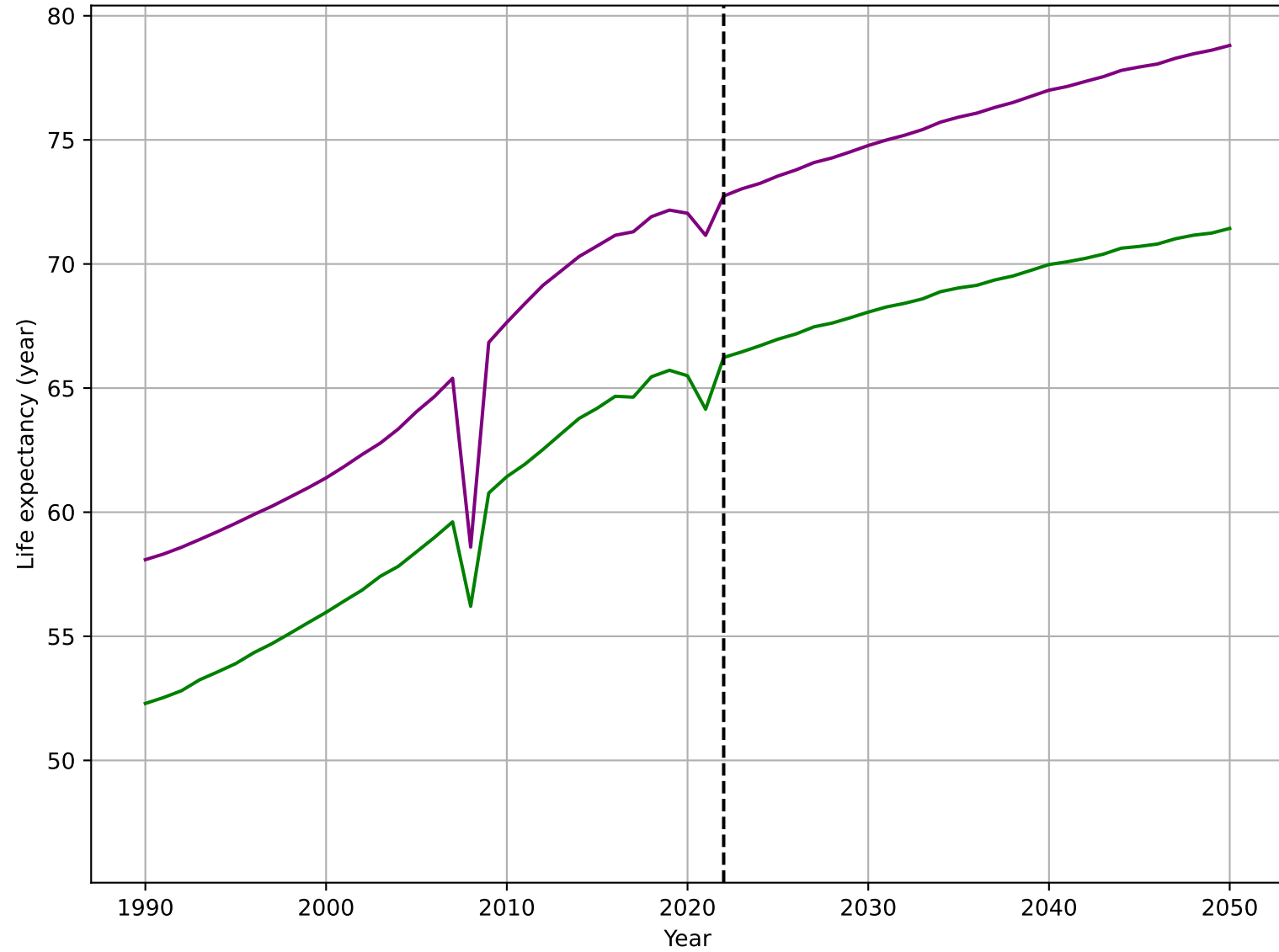


### Healthy Life Expectancy (HALE)

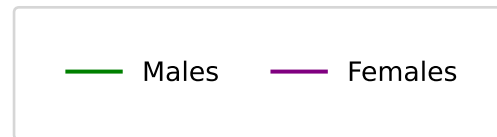
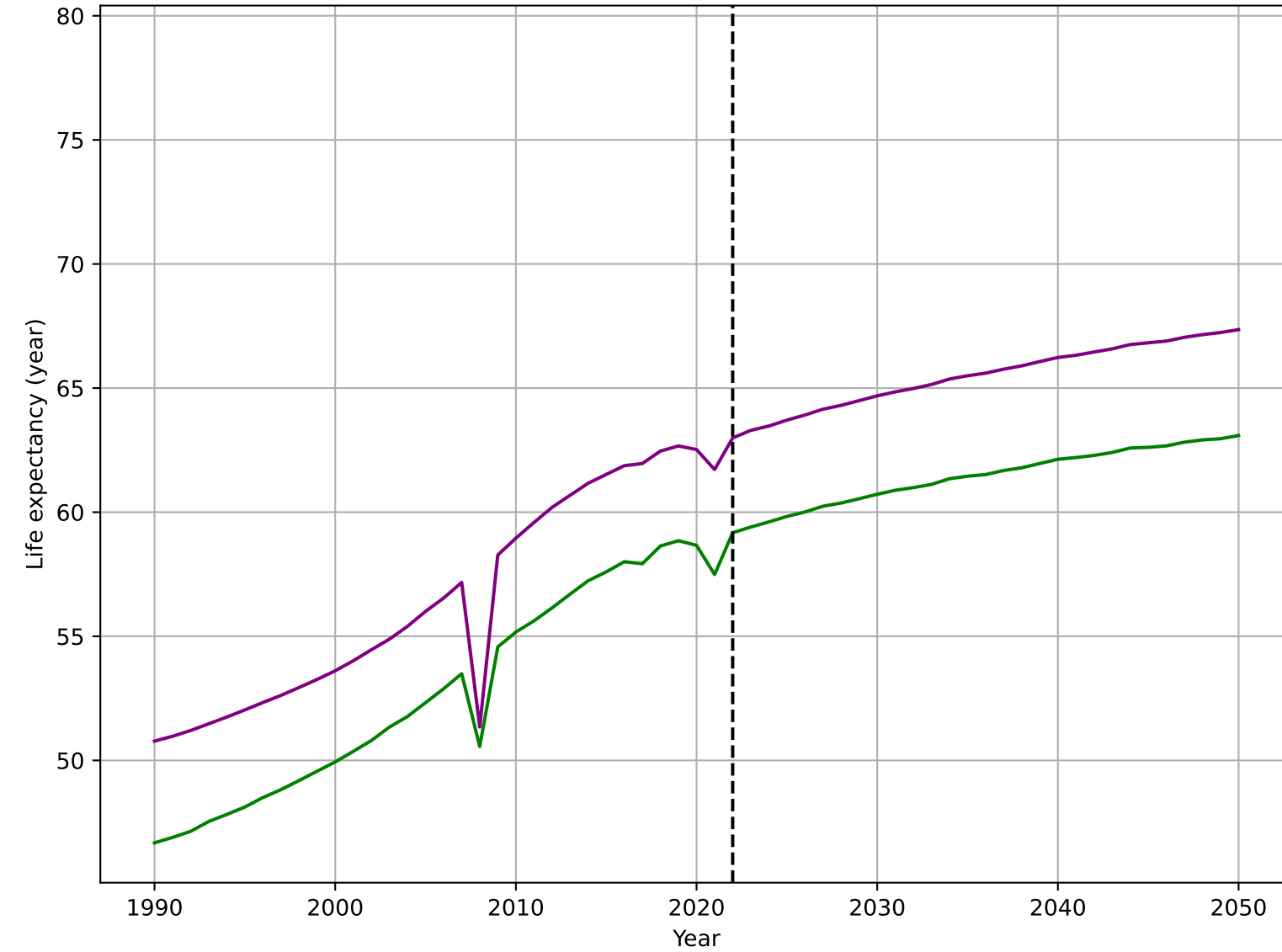


# Myanmar

### Life Expectancy

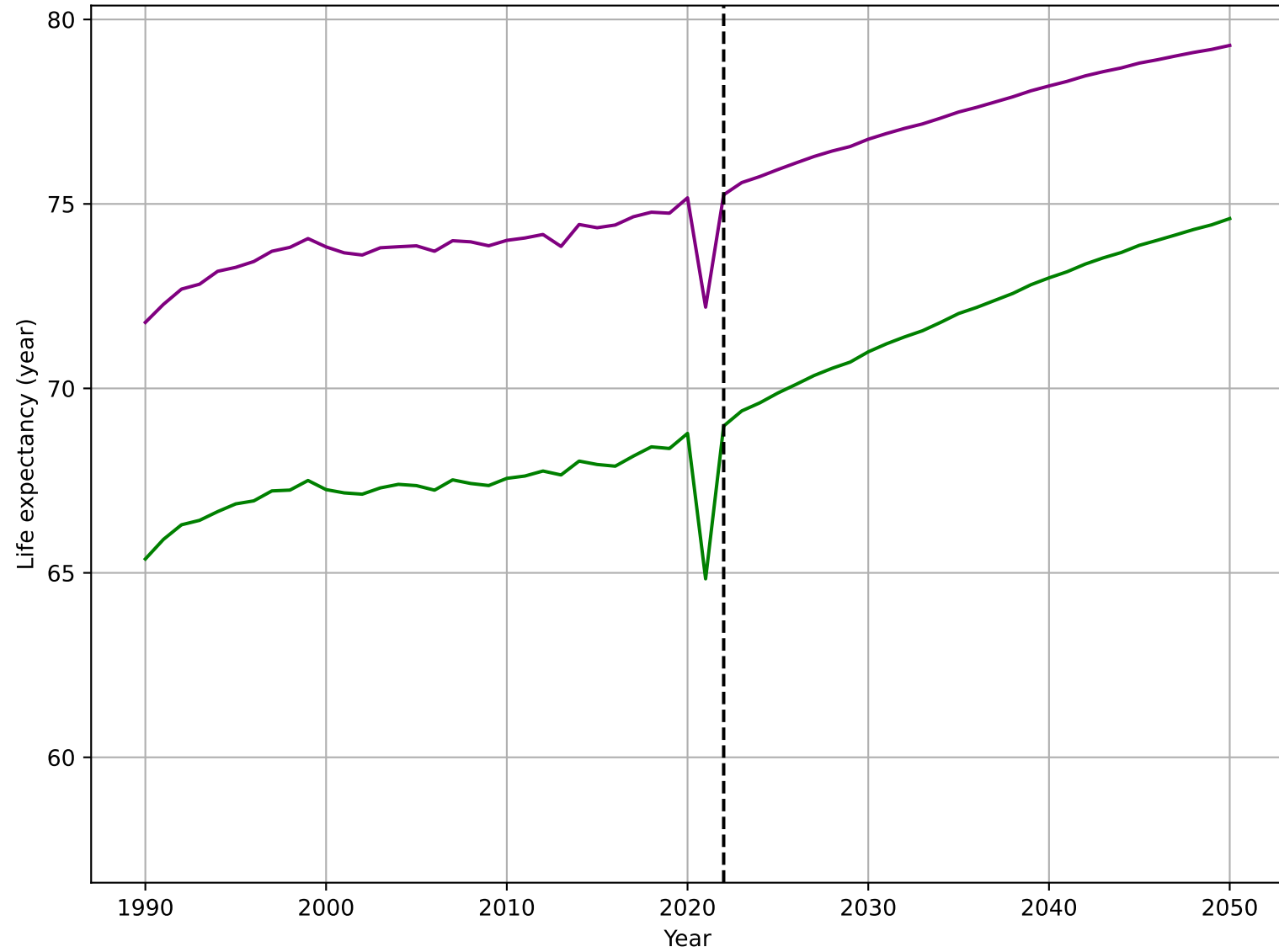


### Healthy Life Expectancy (HALE)

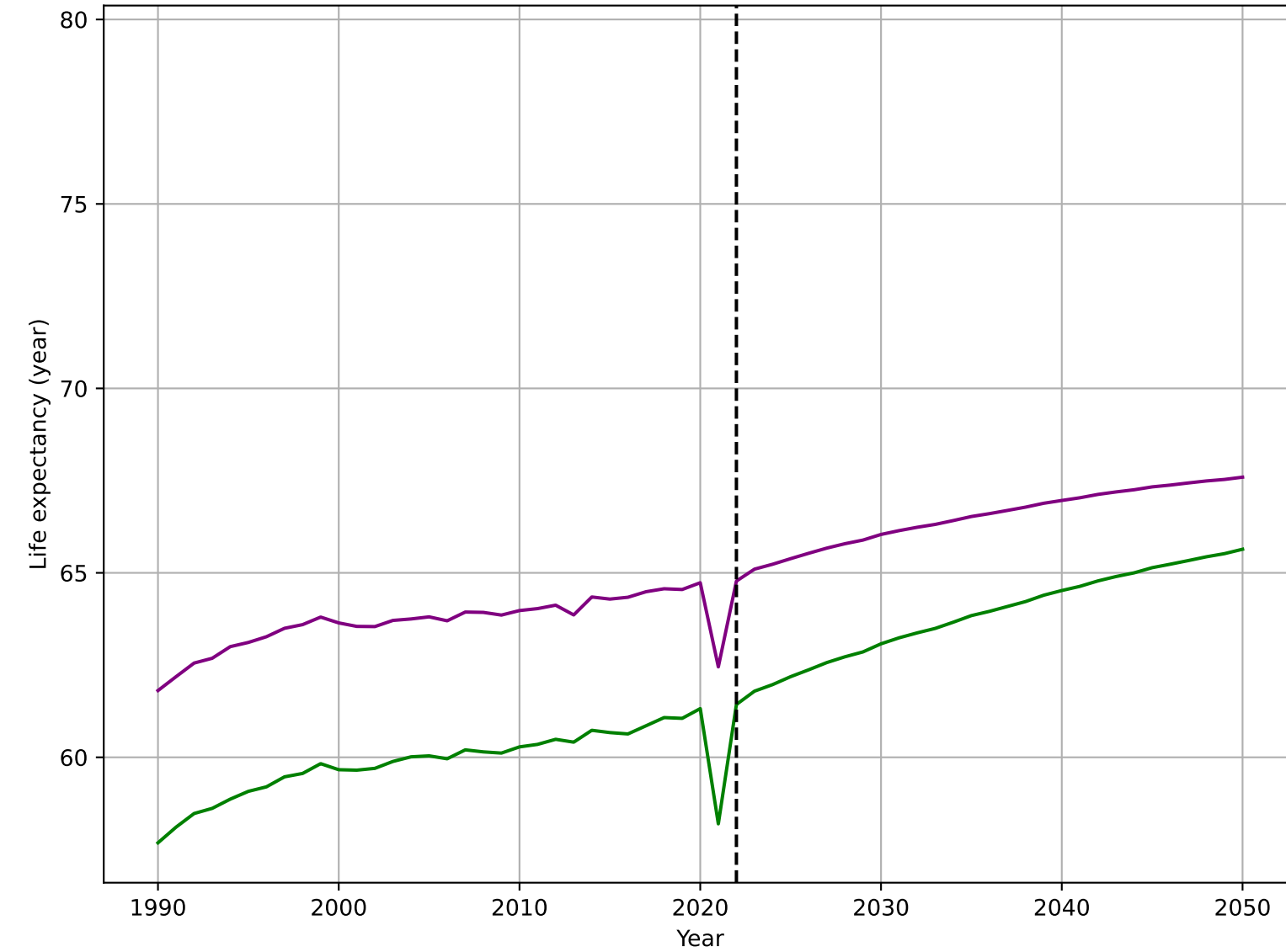


# Philippines

### Life Expectancy

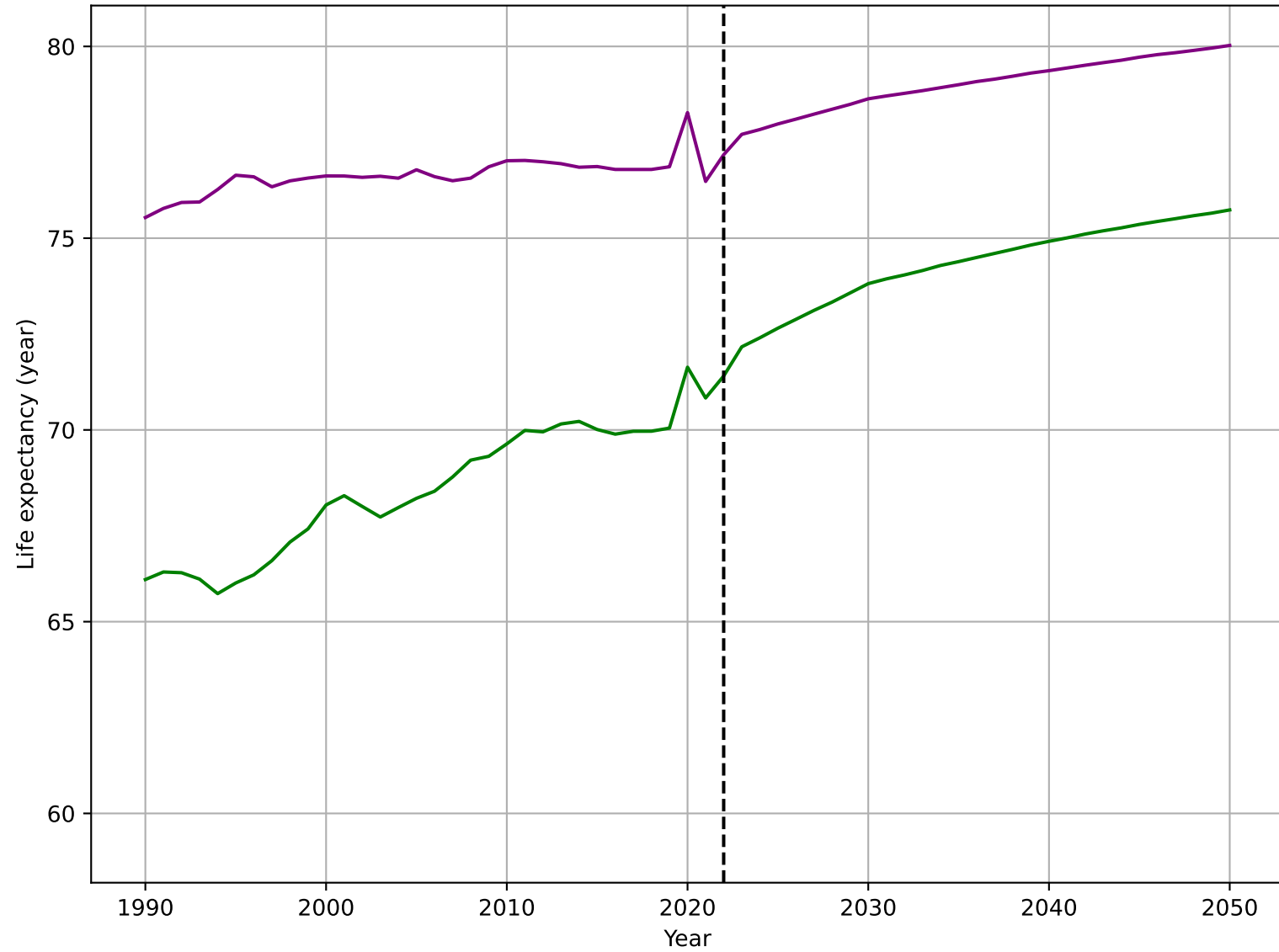


### Healthy Life Expectancy (HALE)

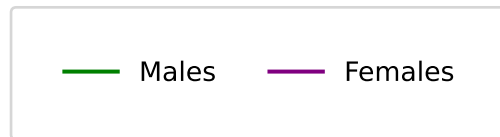
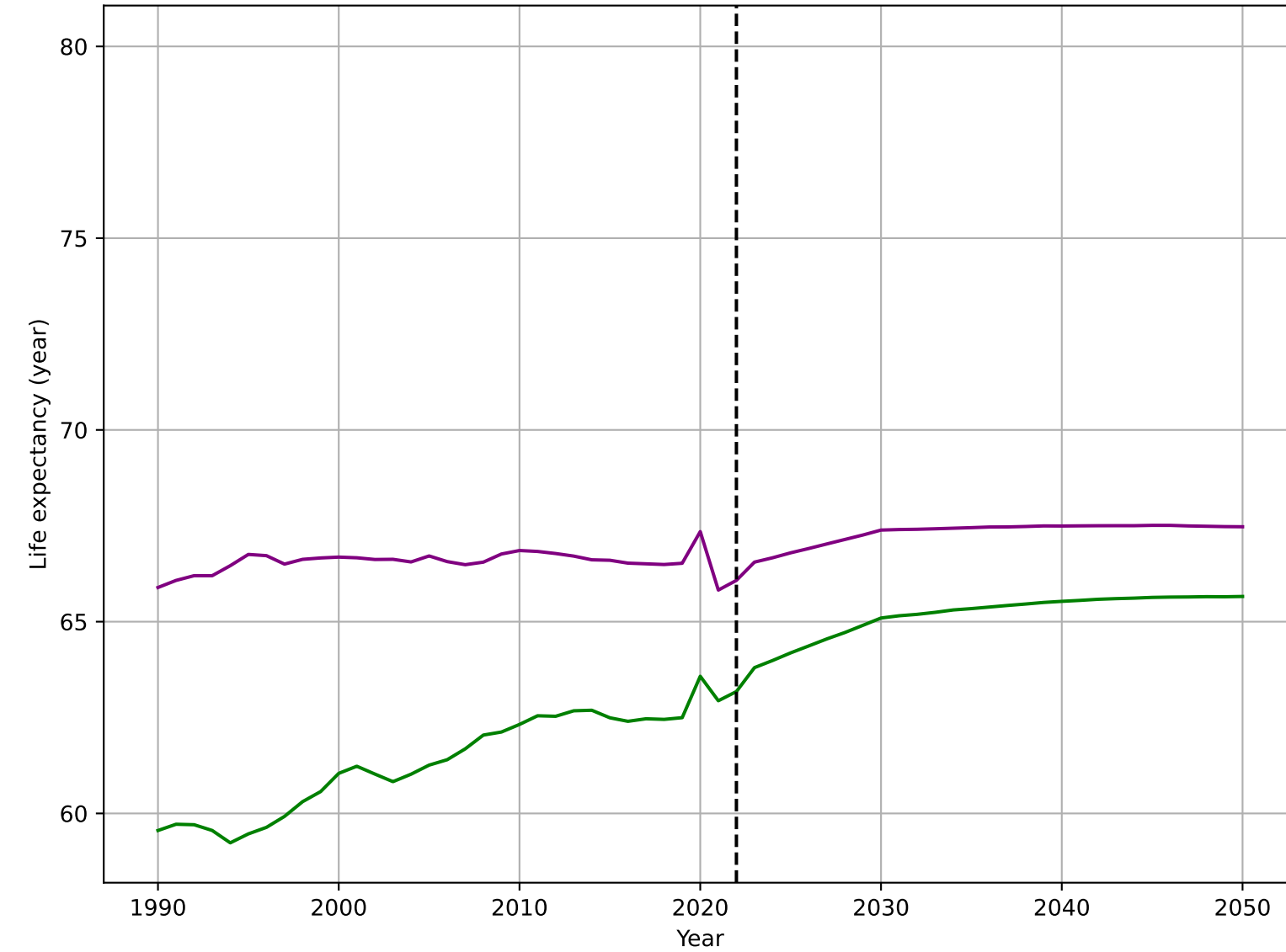


# Seychelles

### Life Expectancy

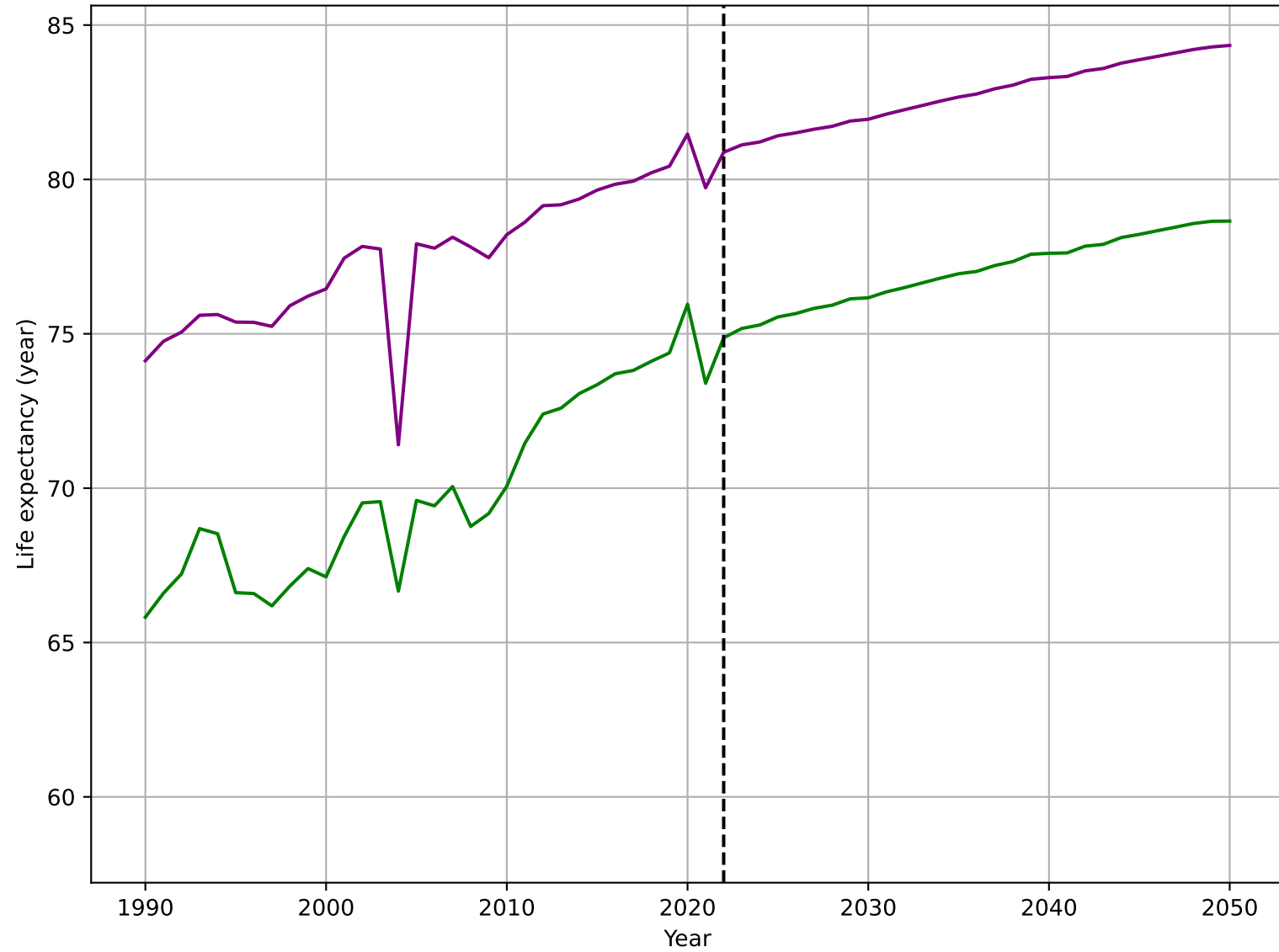


### Healthy Life Expectancy (HALE)

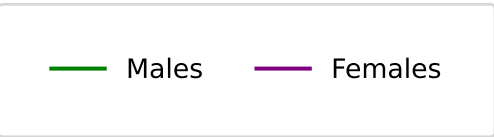
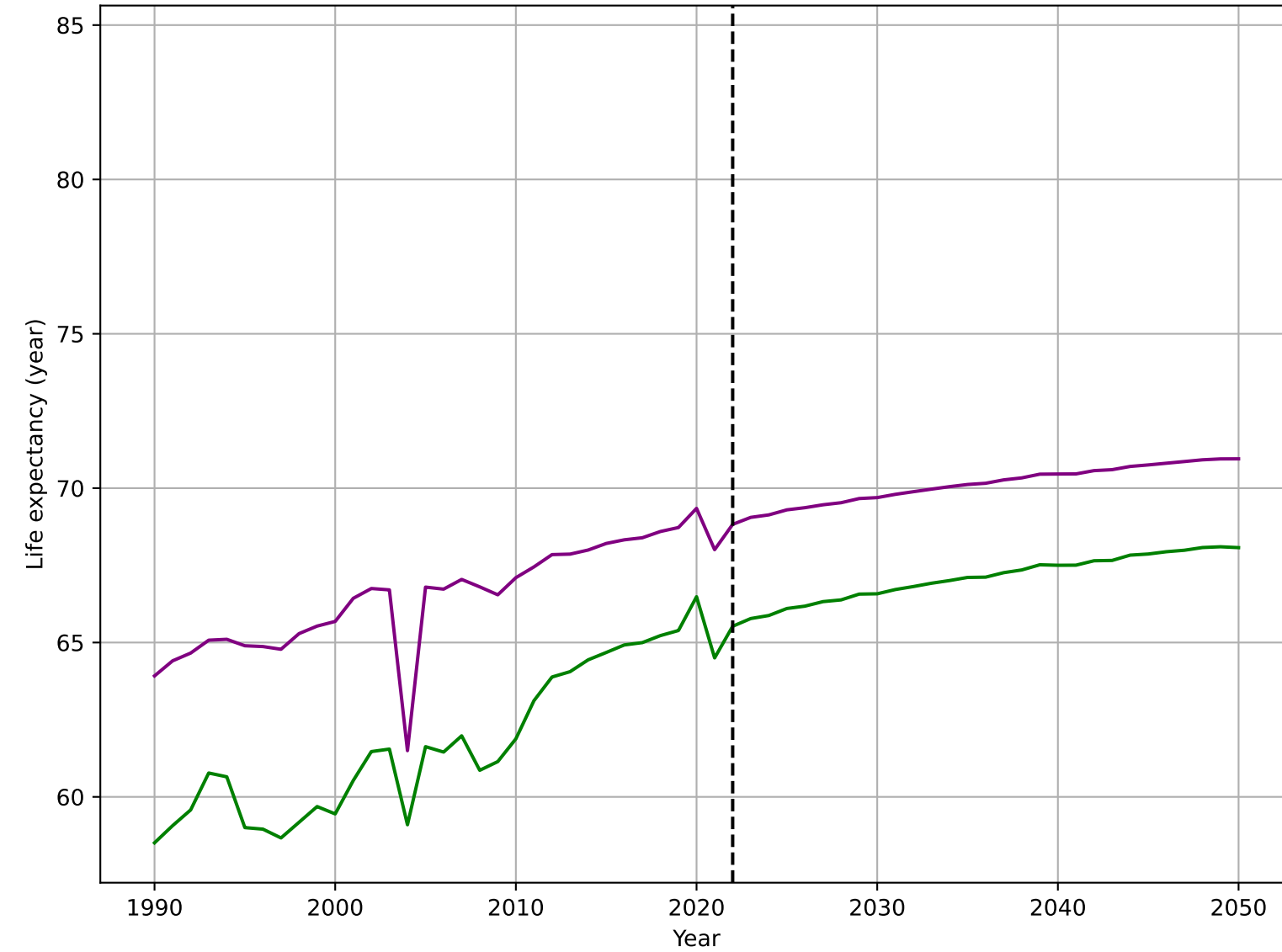


# Sri Lanka

### Life Expectancy

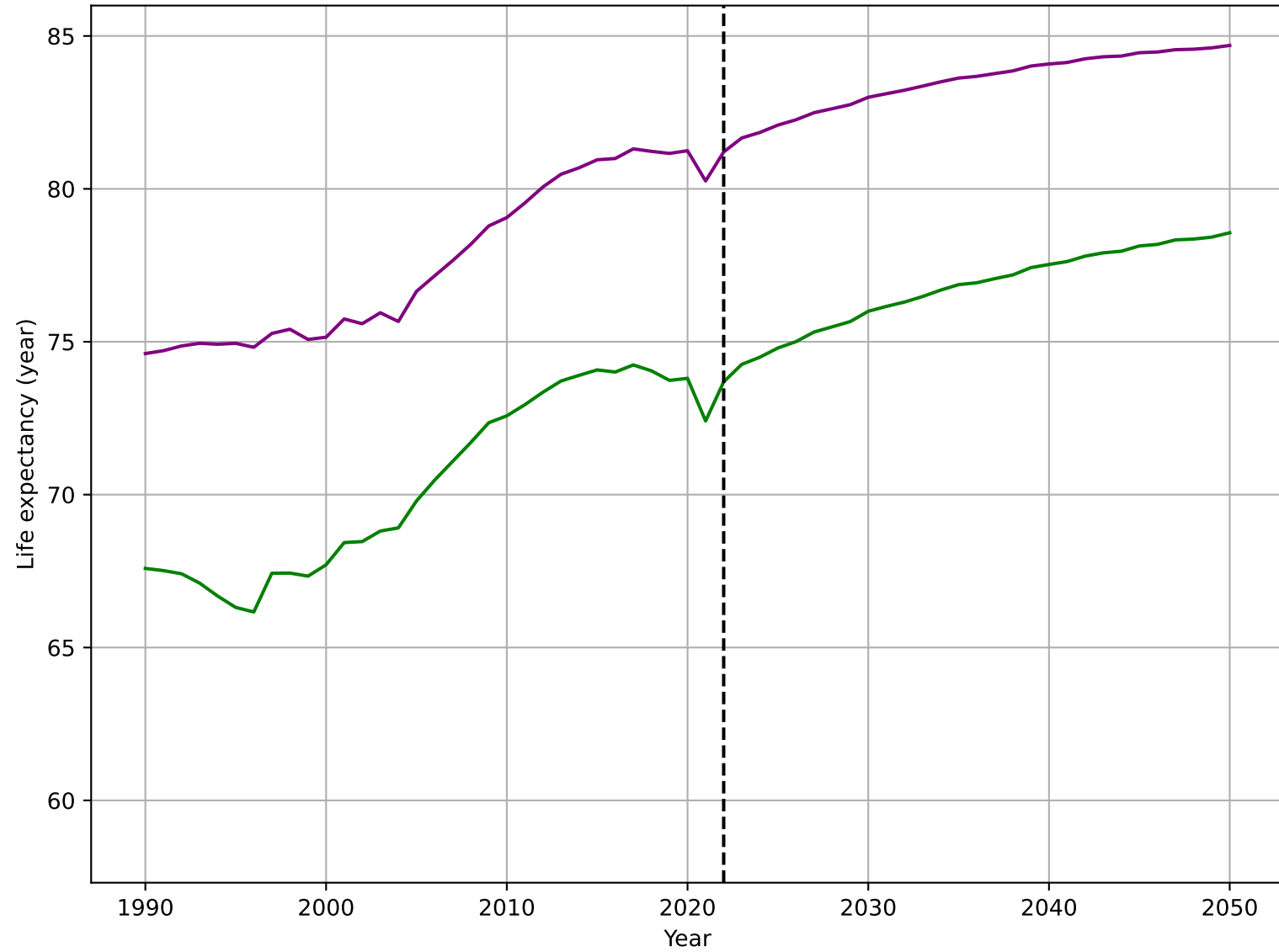


### Healthy Life Expectancy (HALE)

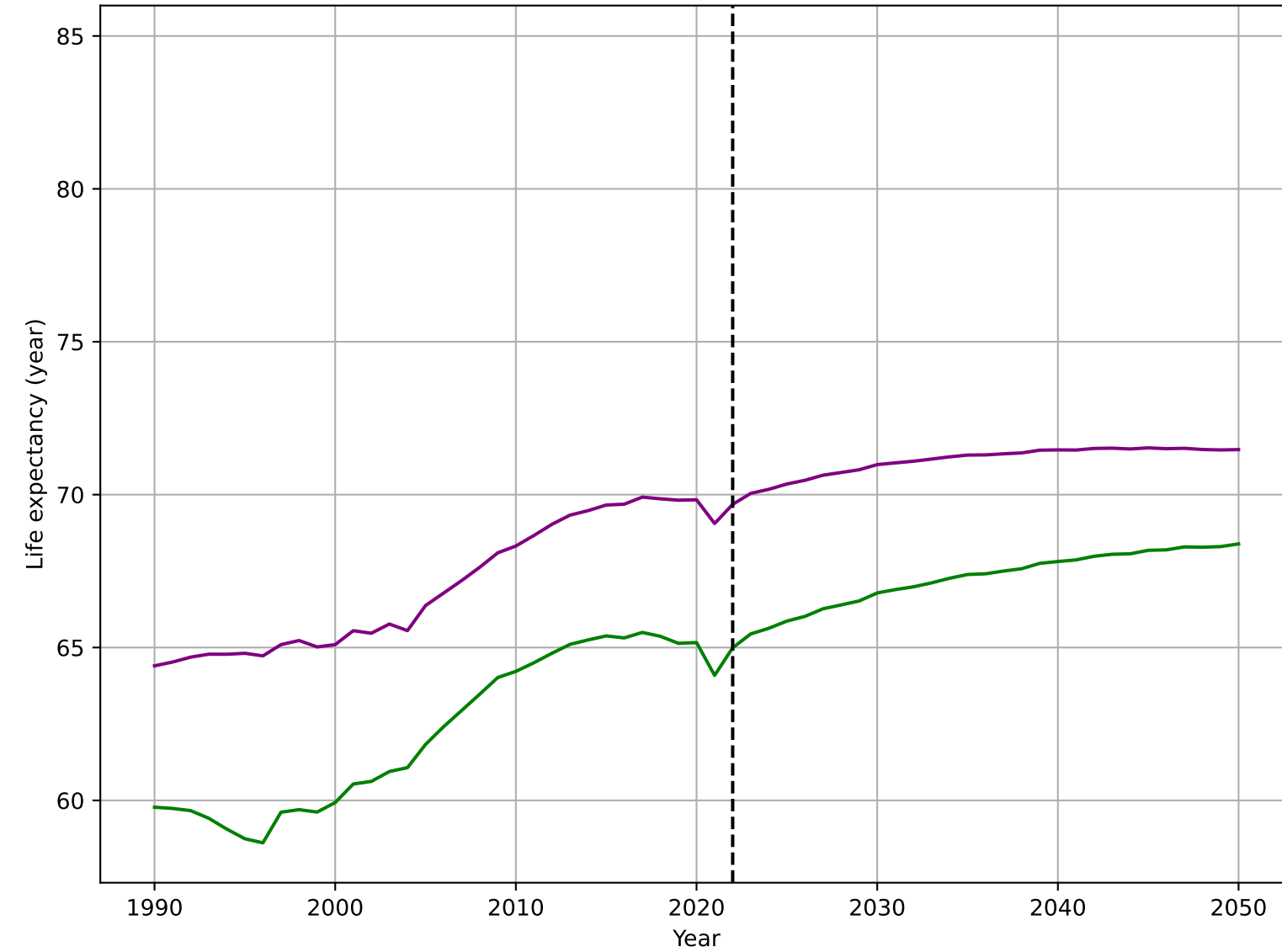


# Thailand

### Life Expectancy



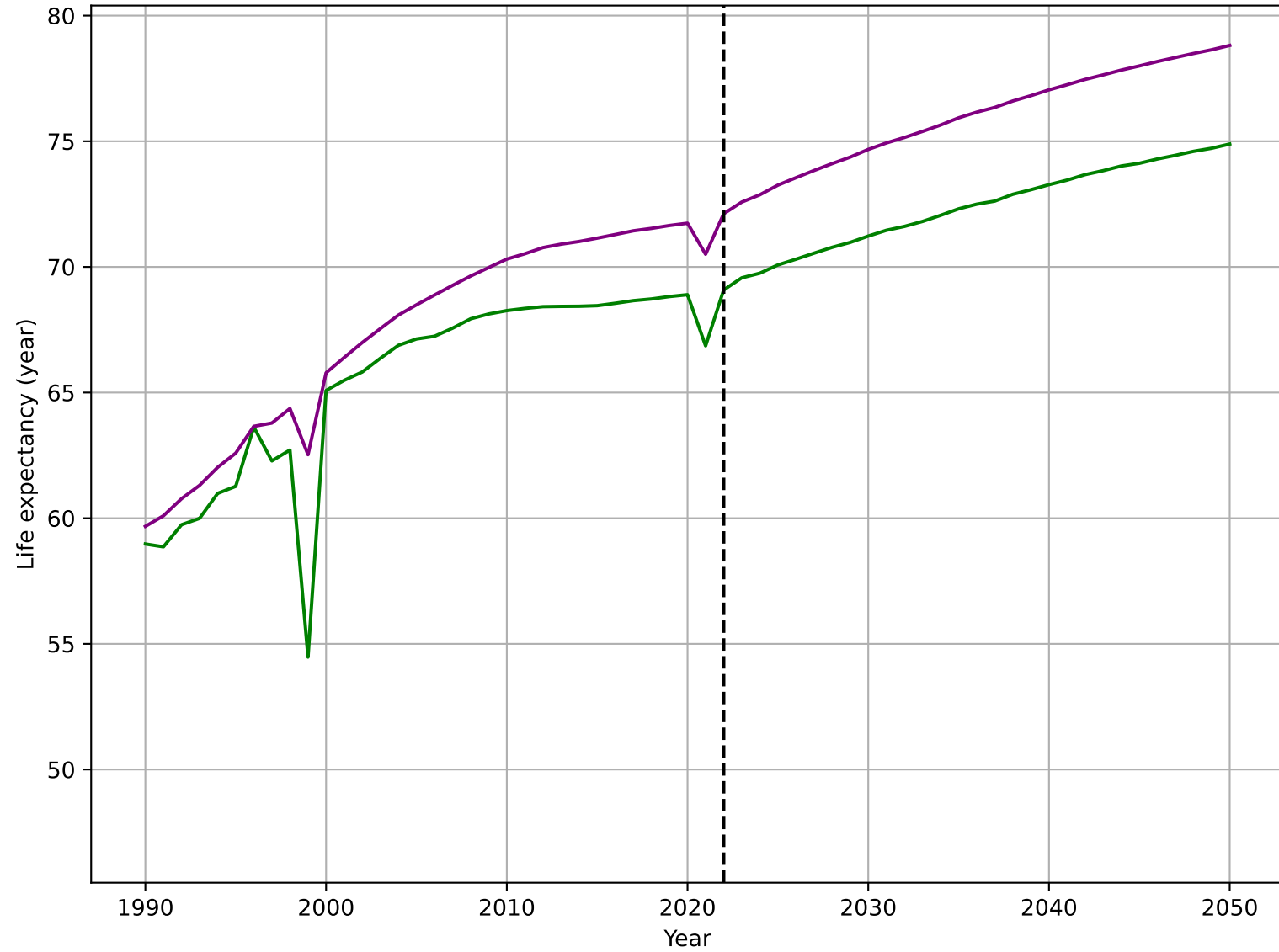
### Healthy Life Expectancy (HALE)



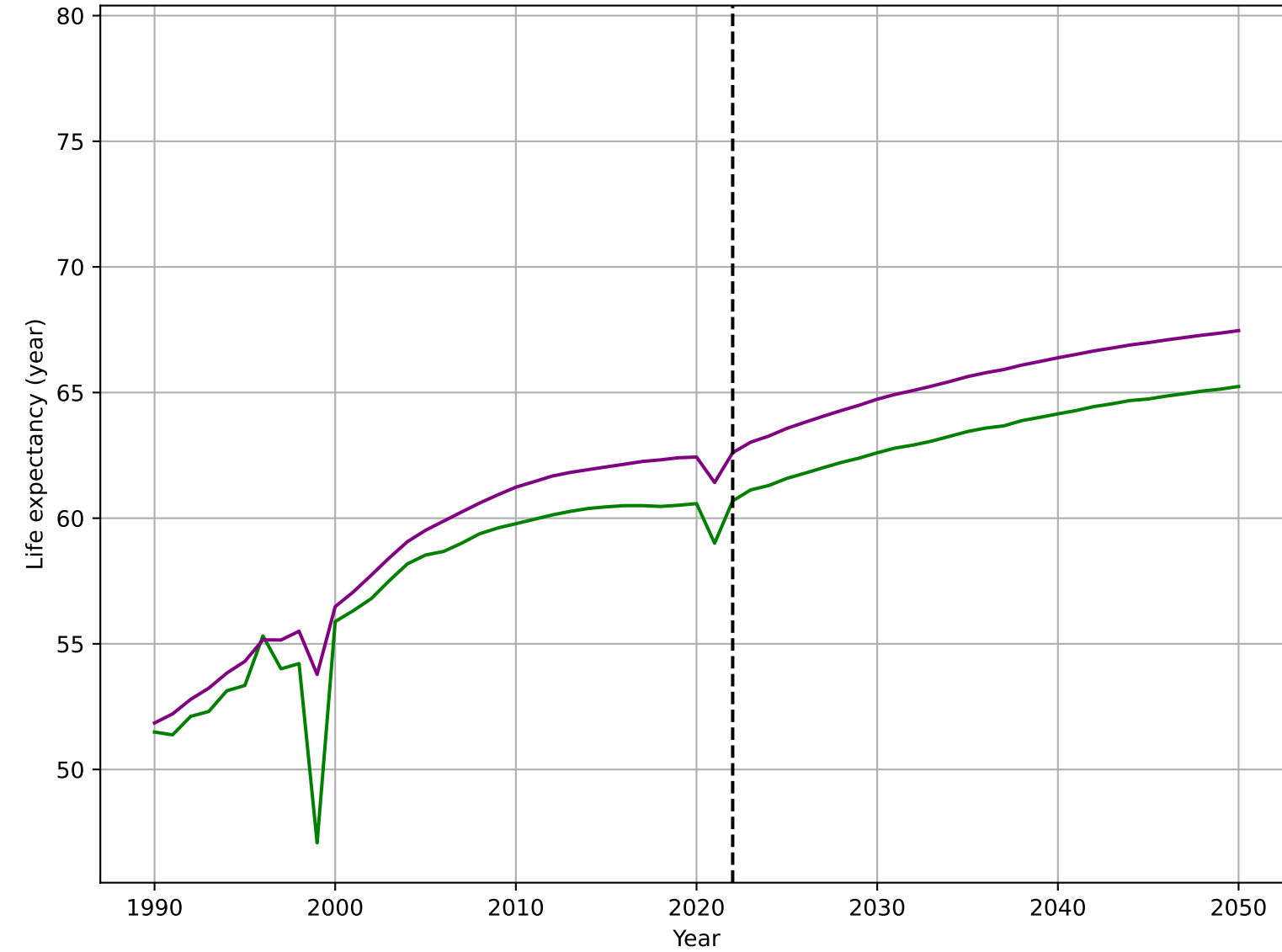


# Timor-Leste

### Life Expectancy

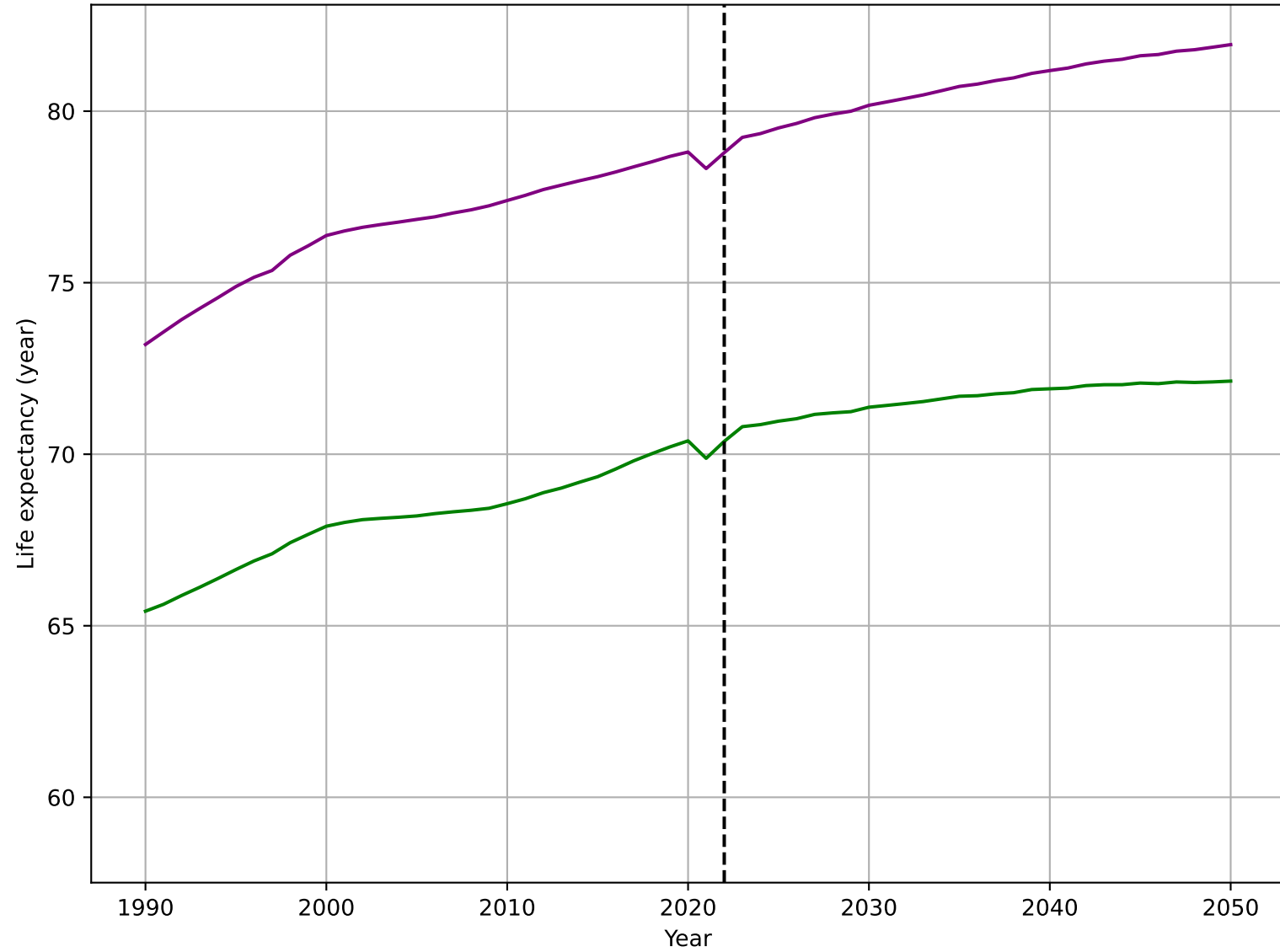


### Healthy Life Expectancy (HALE)

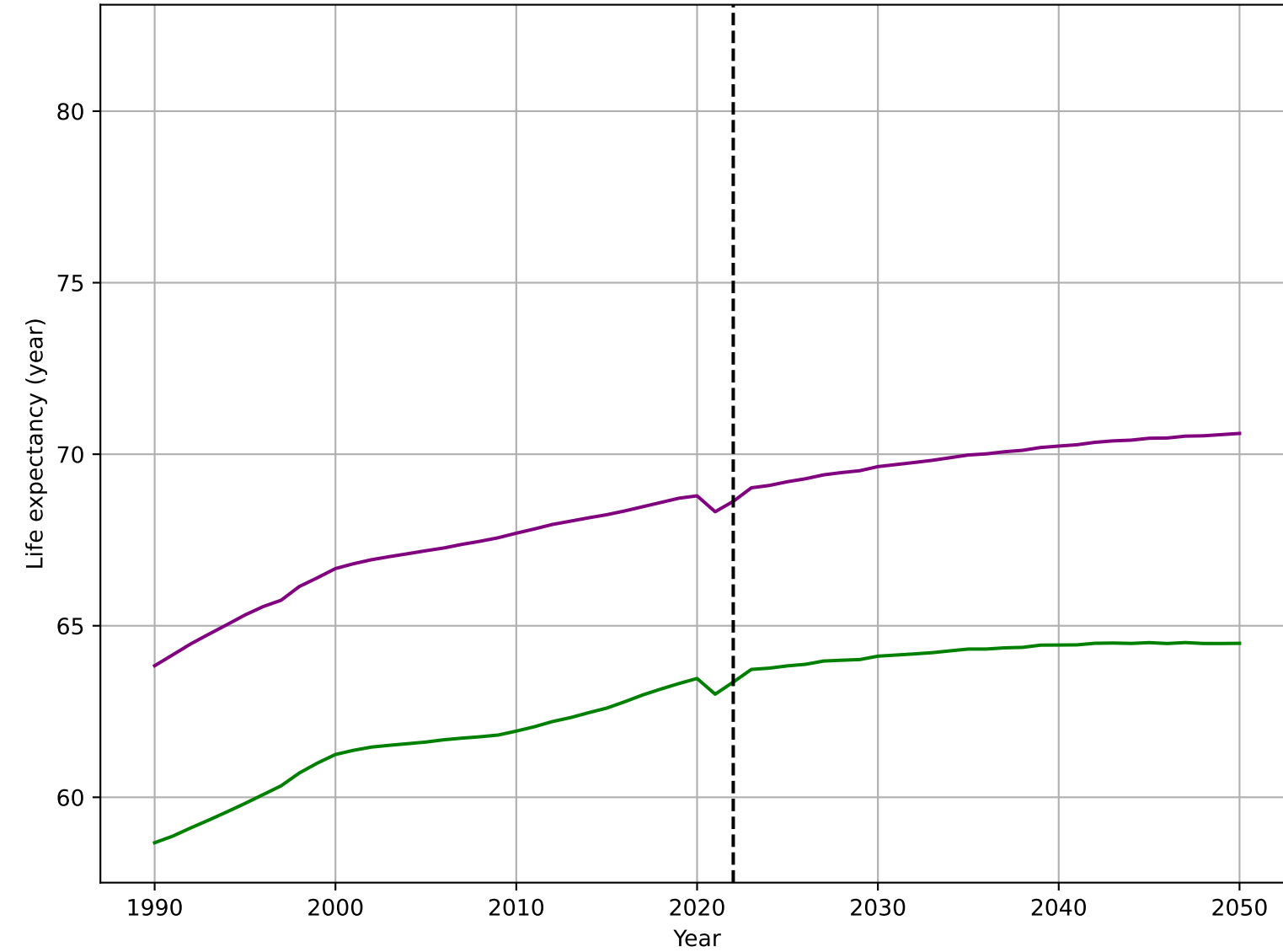


# Viet Nam

### Life Expectancy

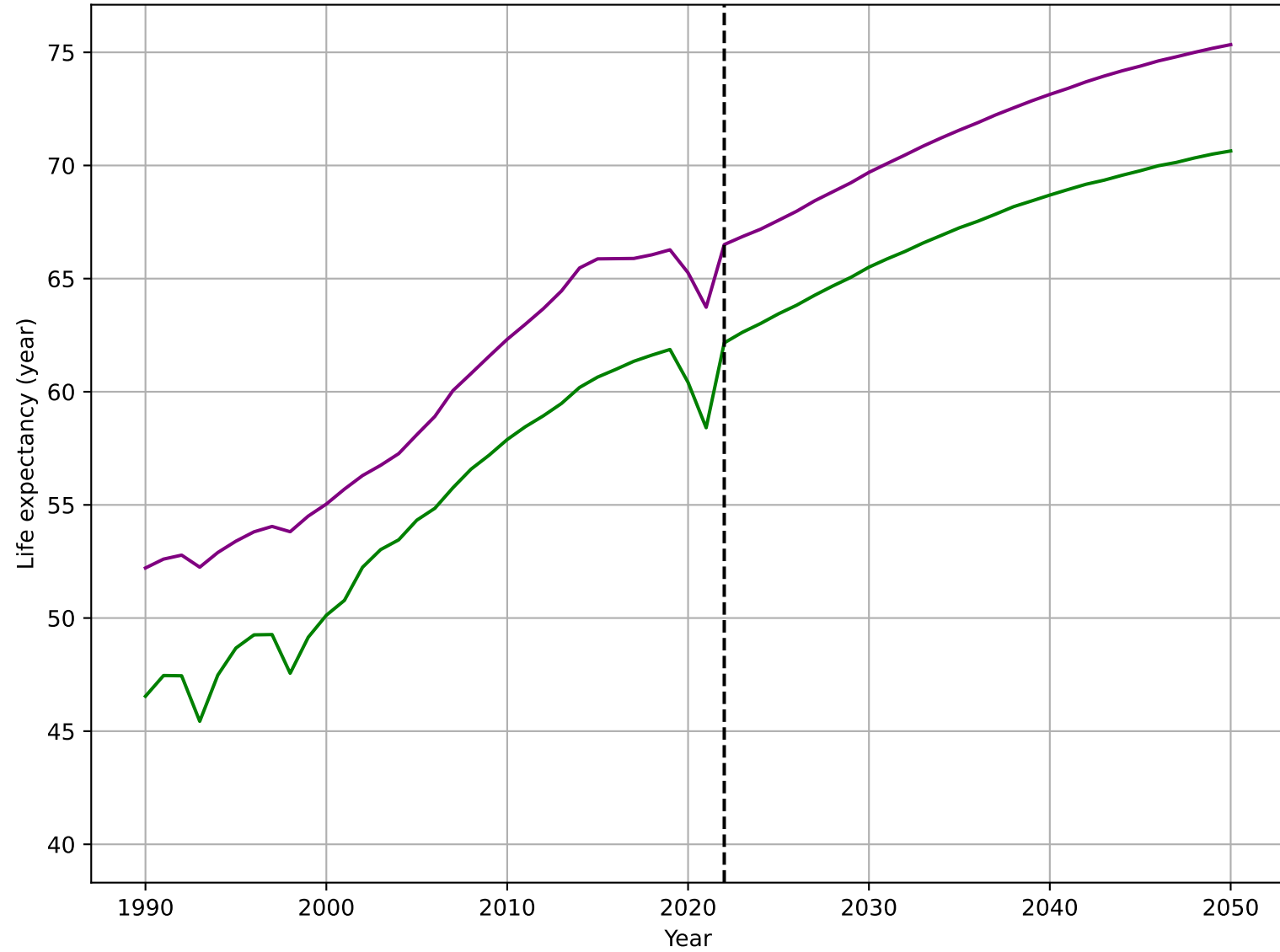


### Healthy Life Expectancy (HALE)

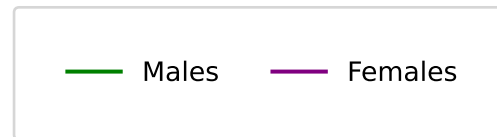
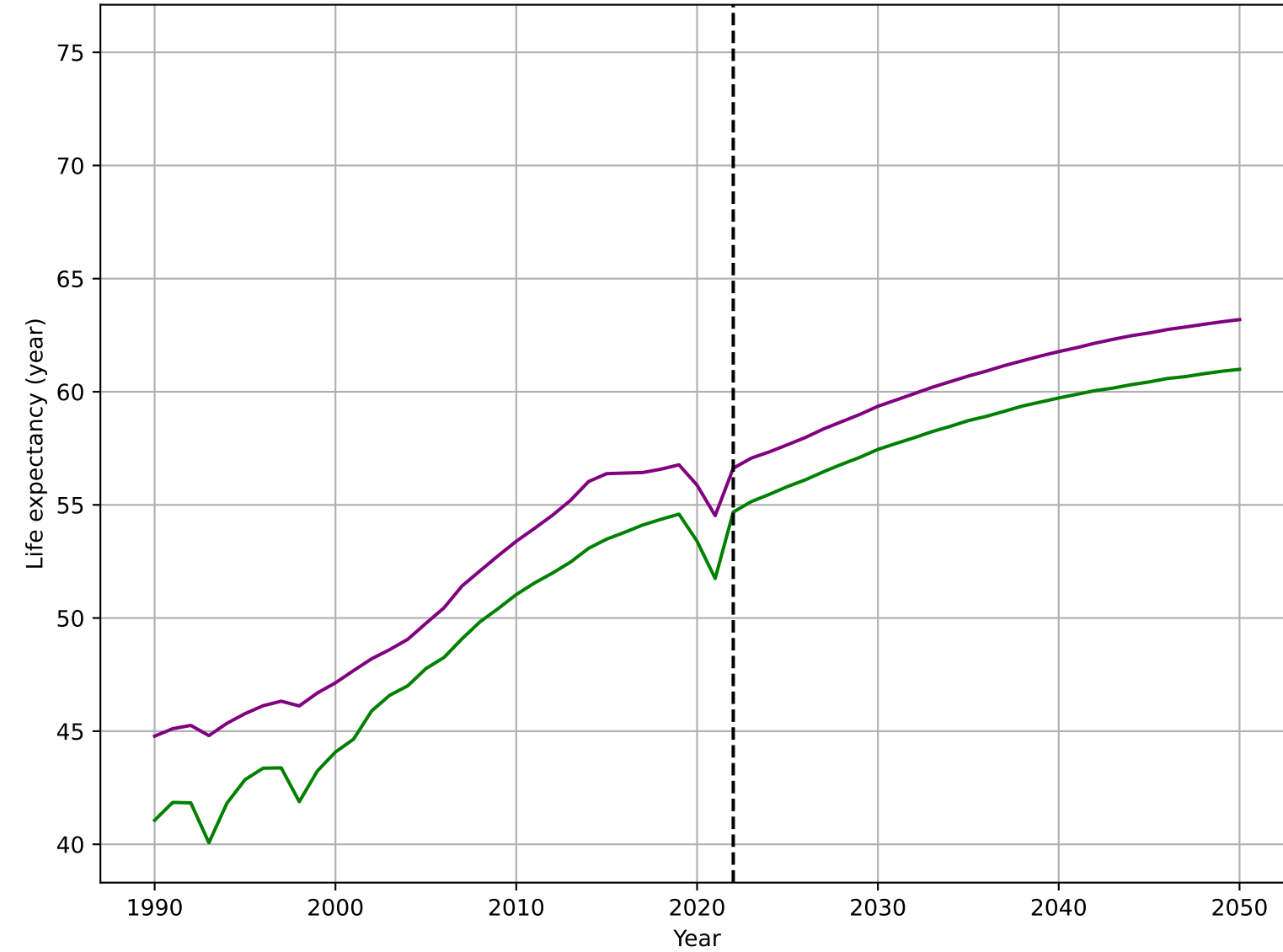


# Angola

### Life Expectancy

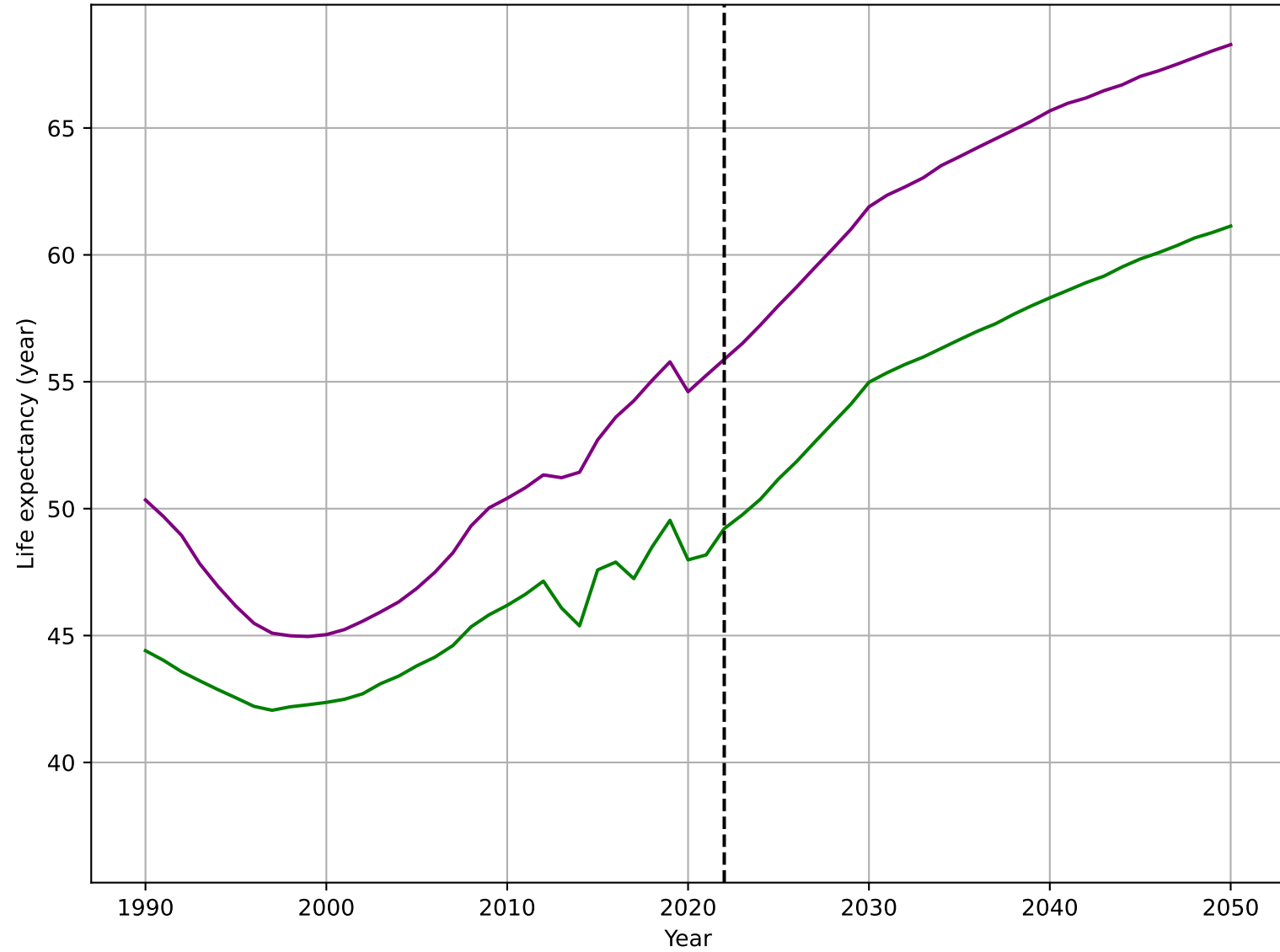


### Healthy Life Expectancy (HALE)

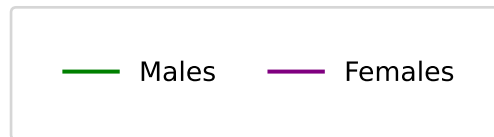
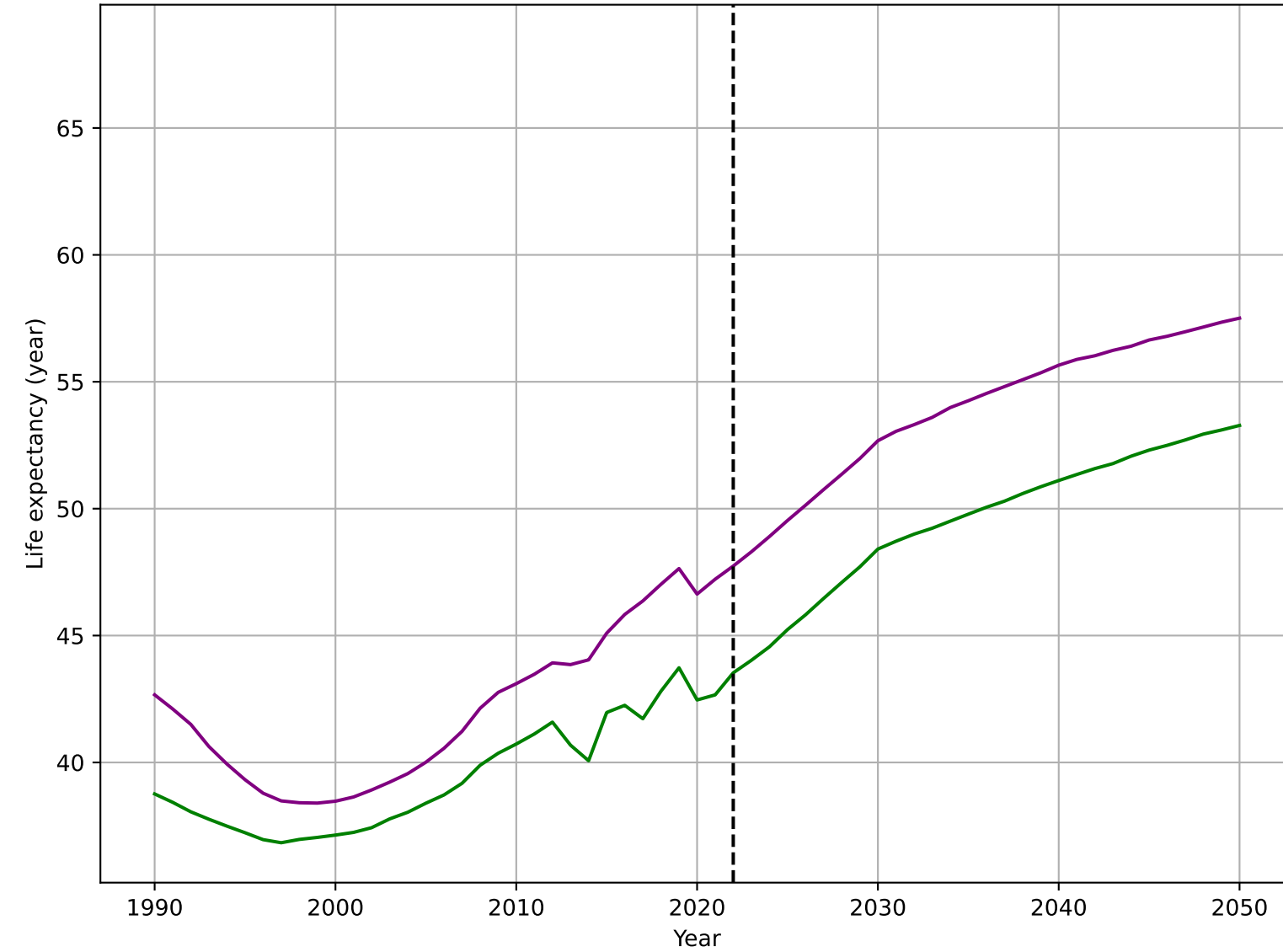


# Central African Republic

### Life Expectancy

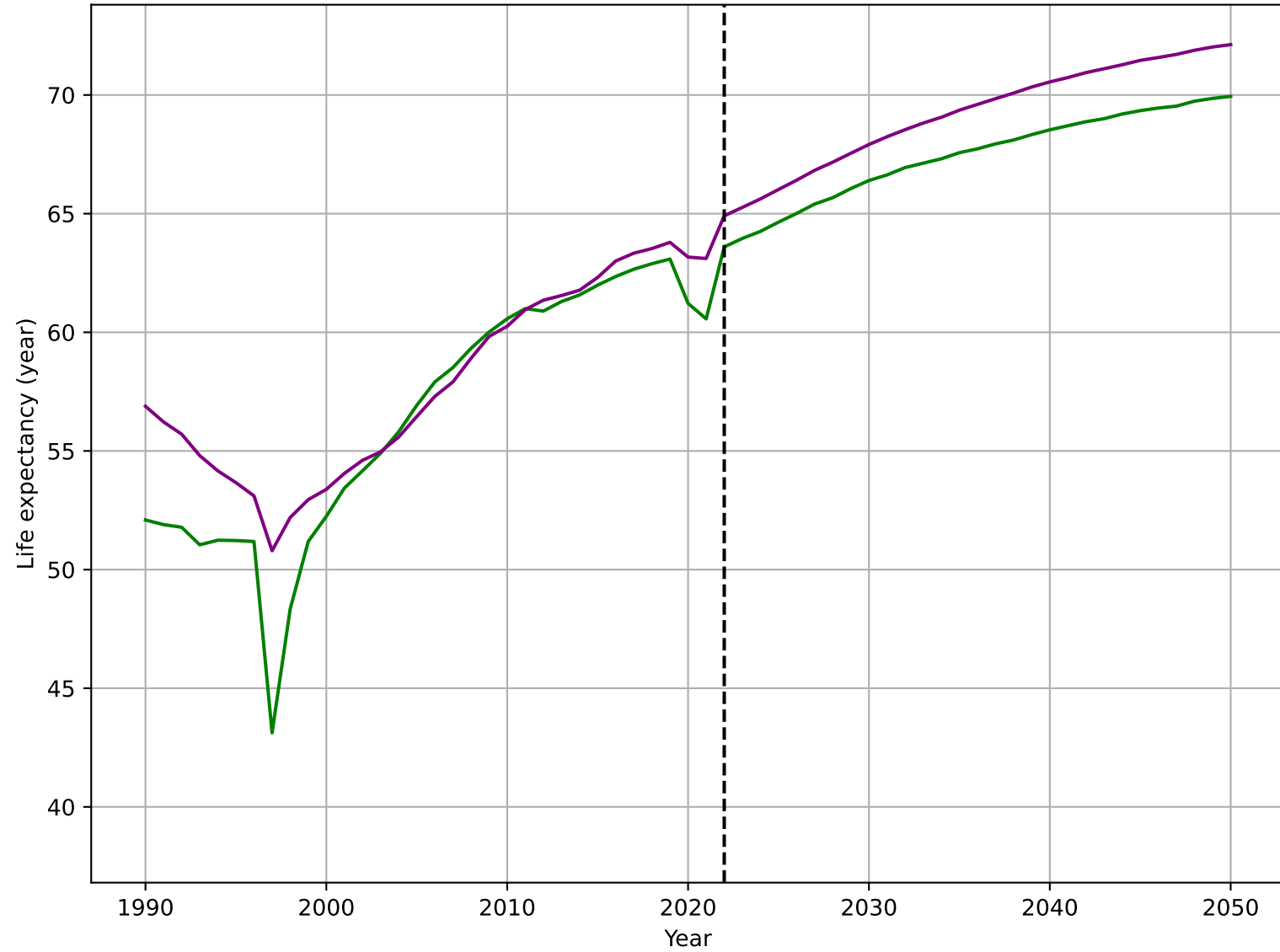


### Healthy Life Expectancy (HALE)

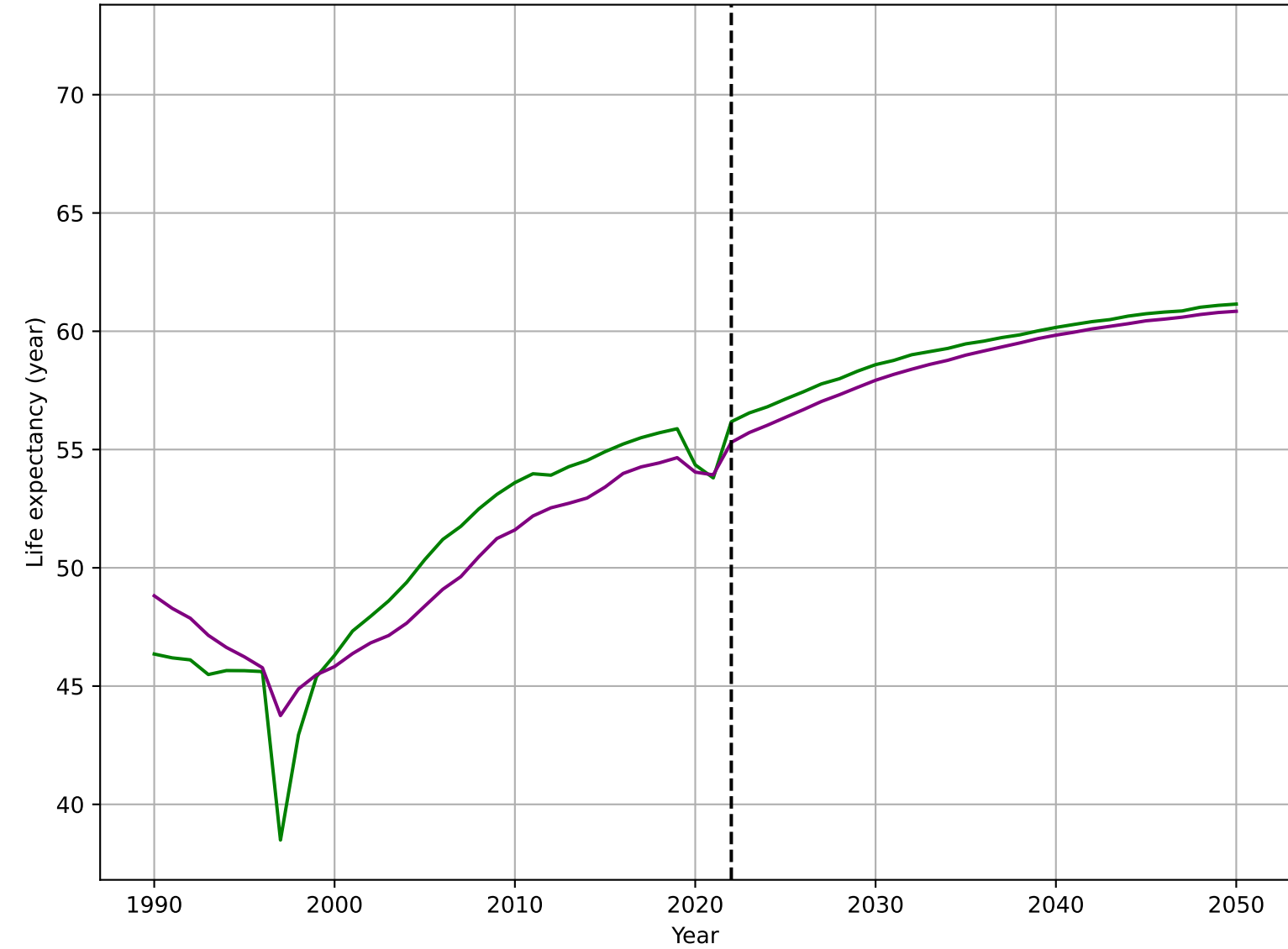


# Congo (Brazzaville)

## Life Expectancy

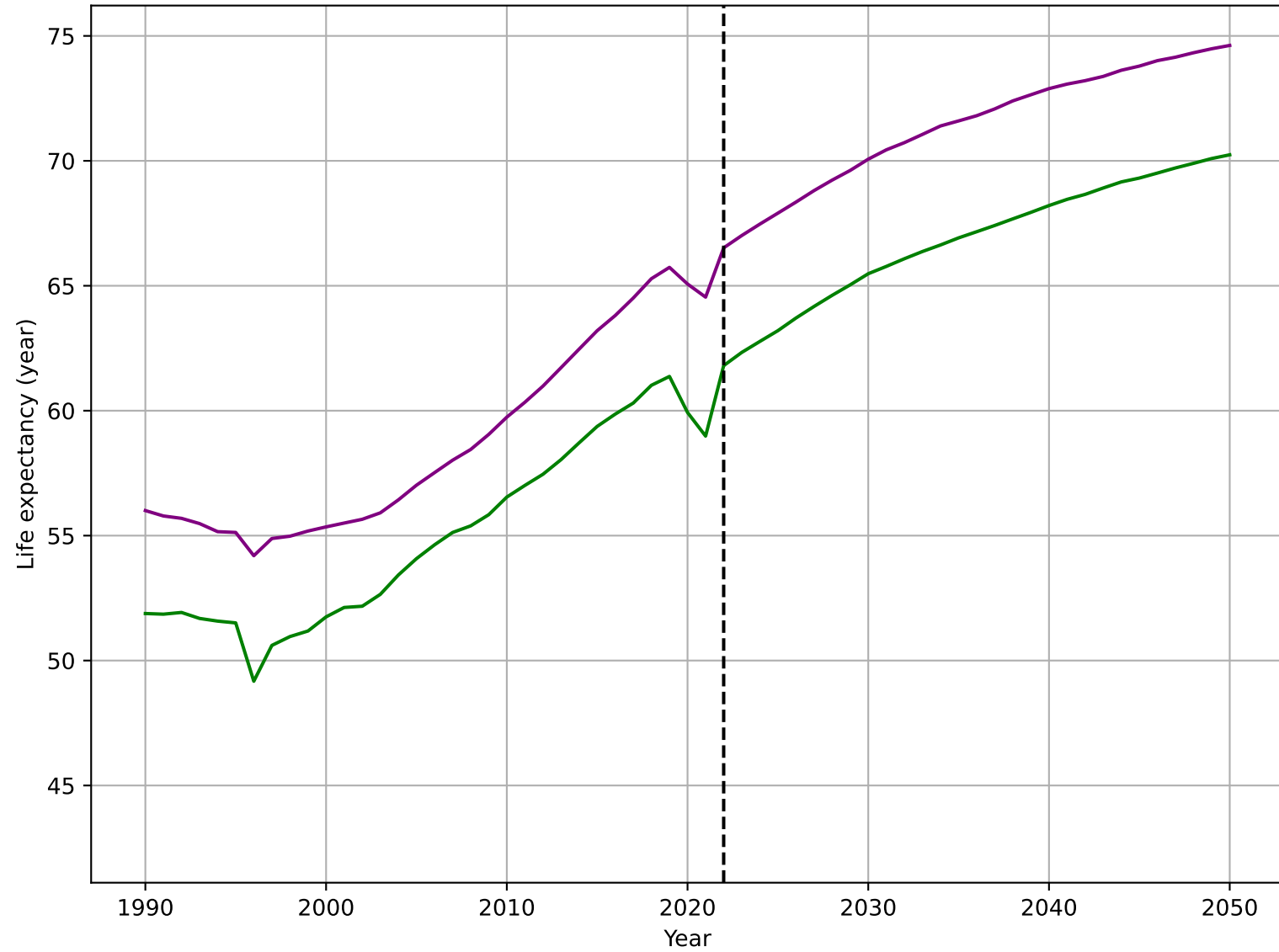


## Healthy Life Expectancy (HALE)

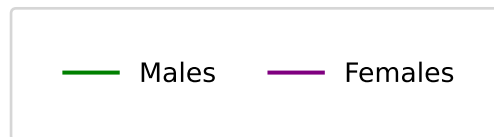
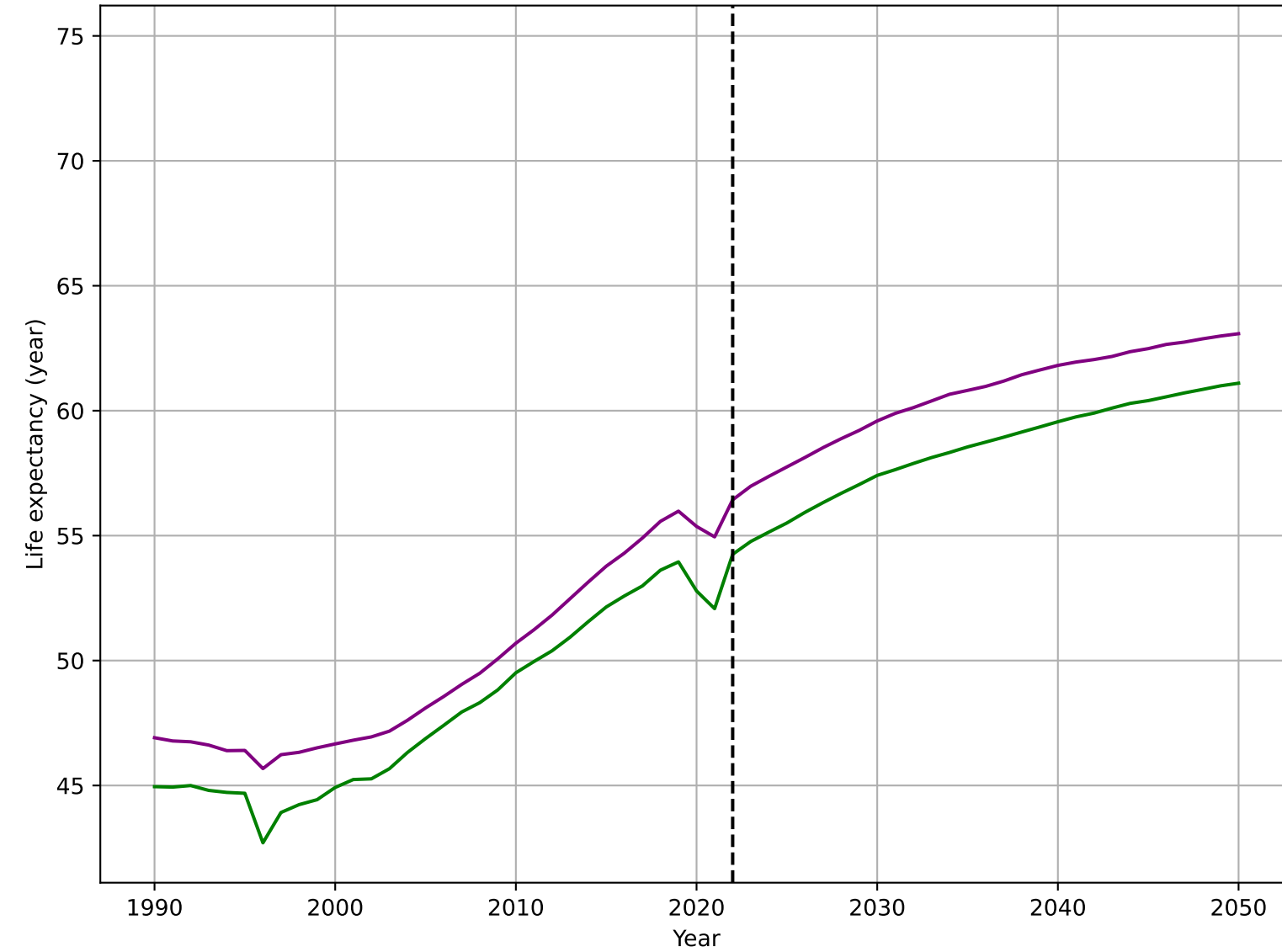


# DR Congo

## Life Expectancy

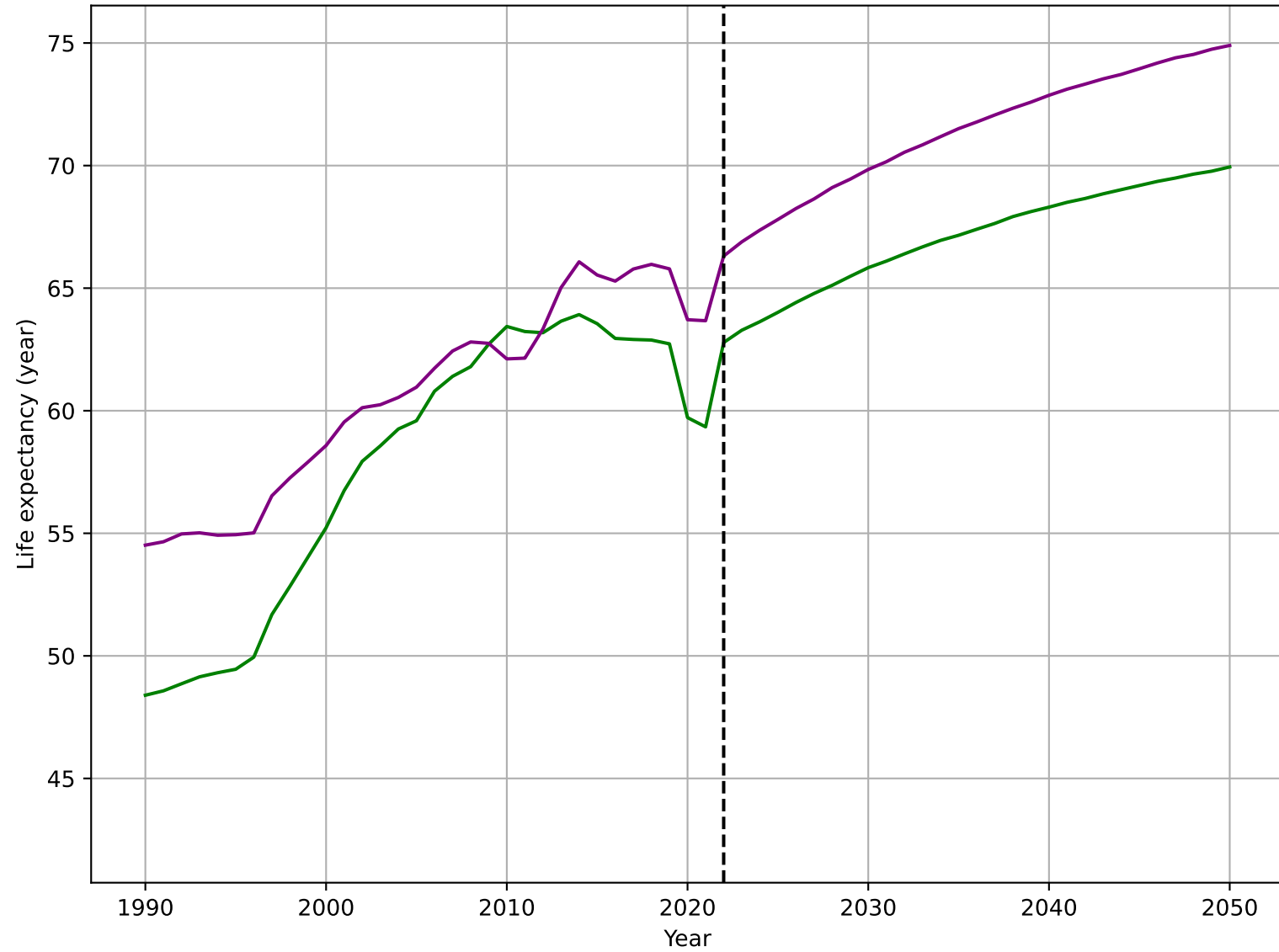


## Healthy Life Expectancy (HALE)

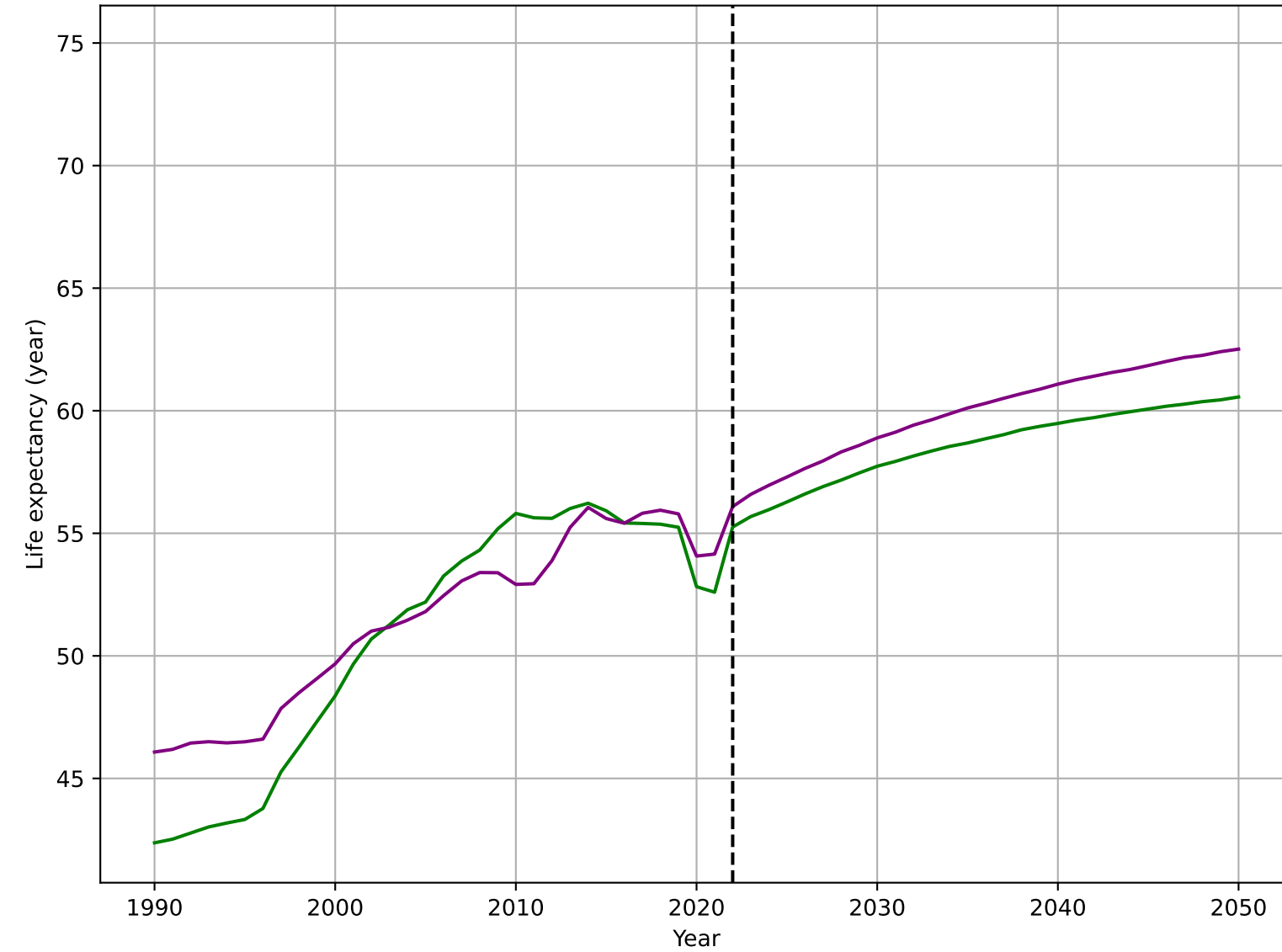


# Equatorial Guinea

### Life Expectancy

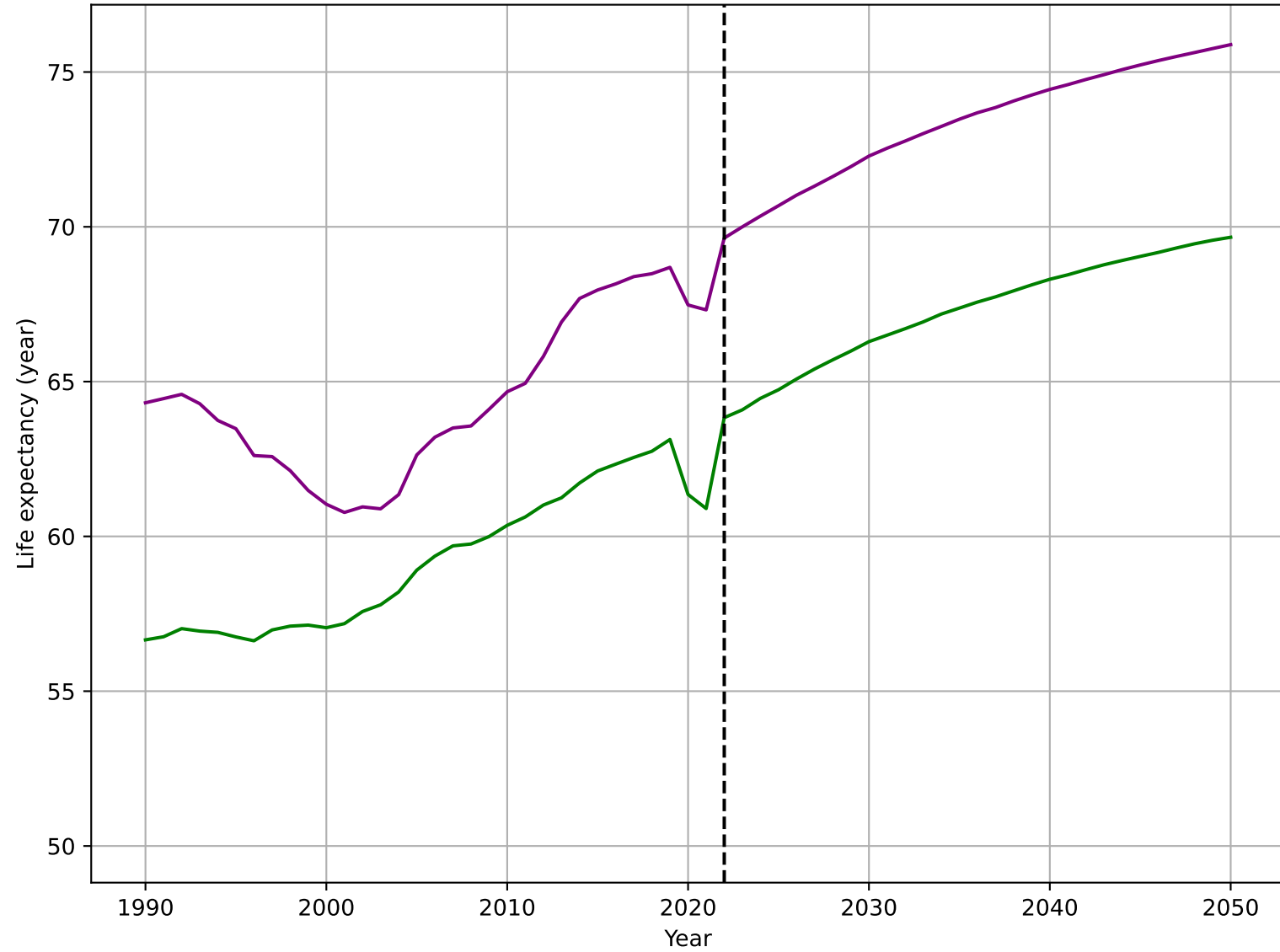


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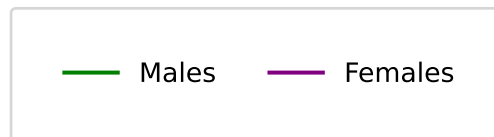
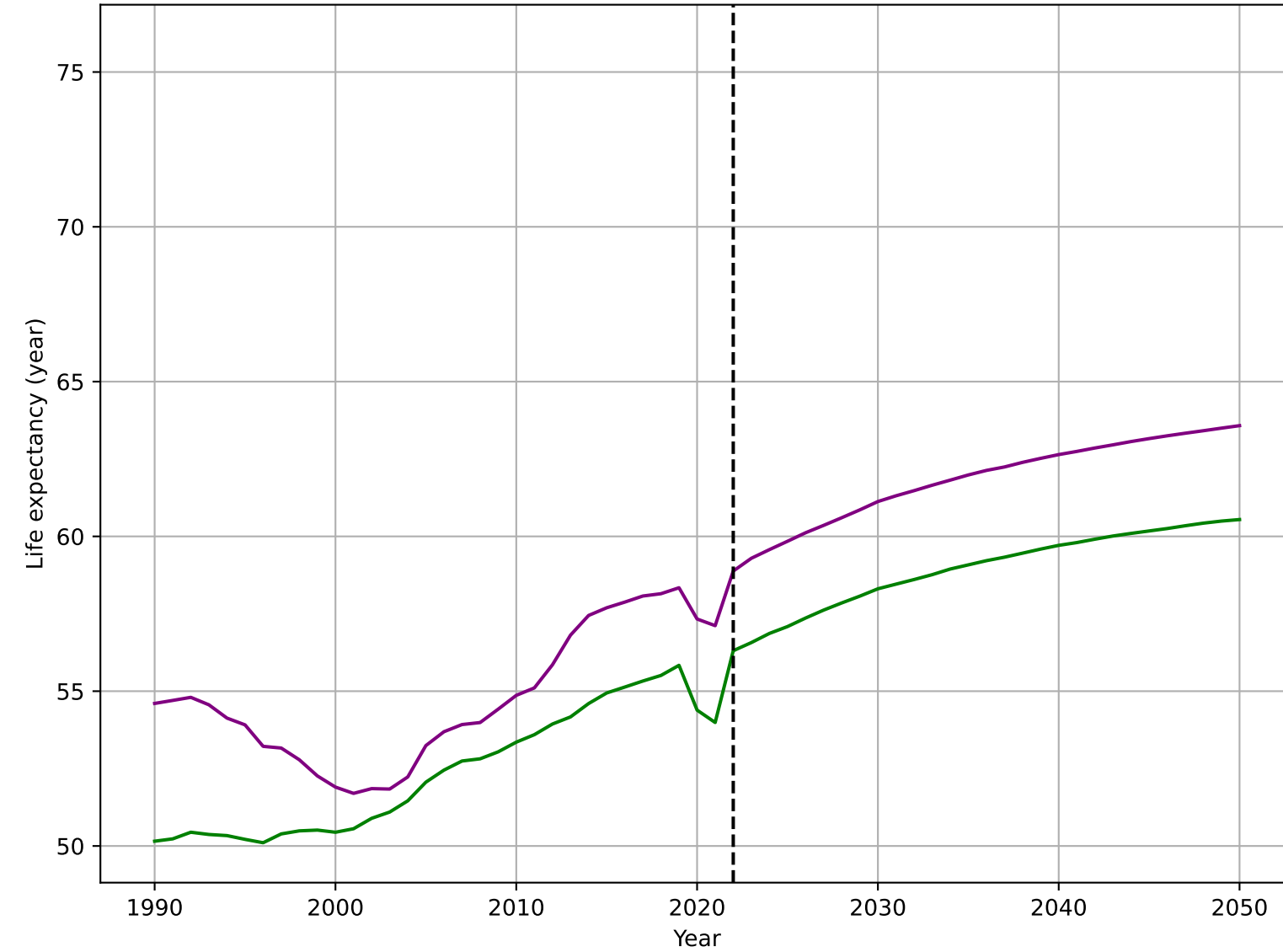


# Gabon

### Life Expectancy



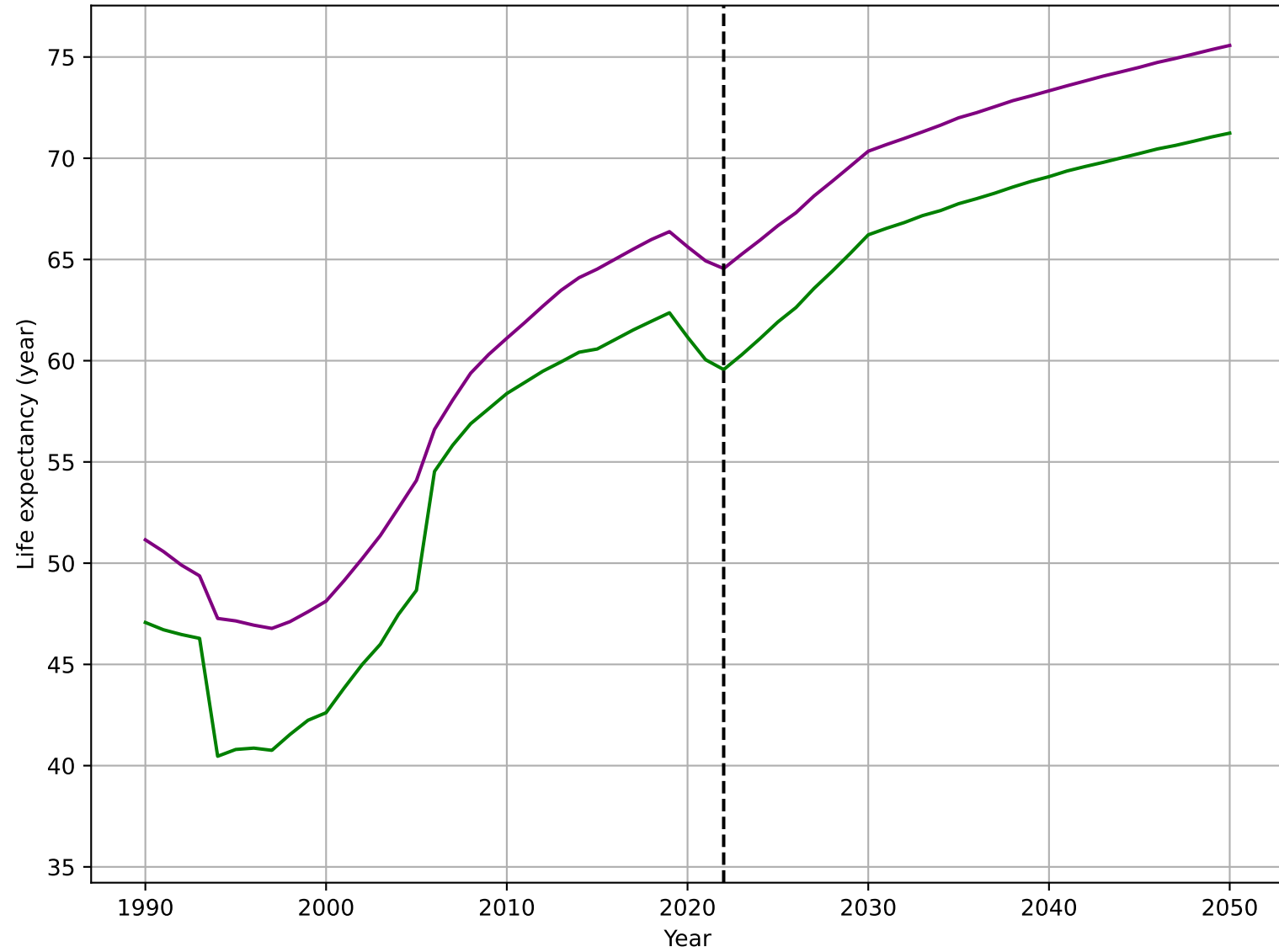
### Healthy Life Expectancy (HALE)



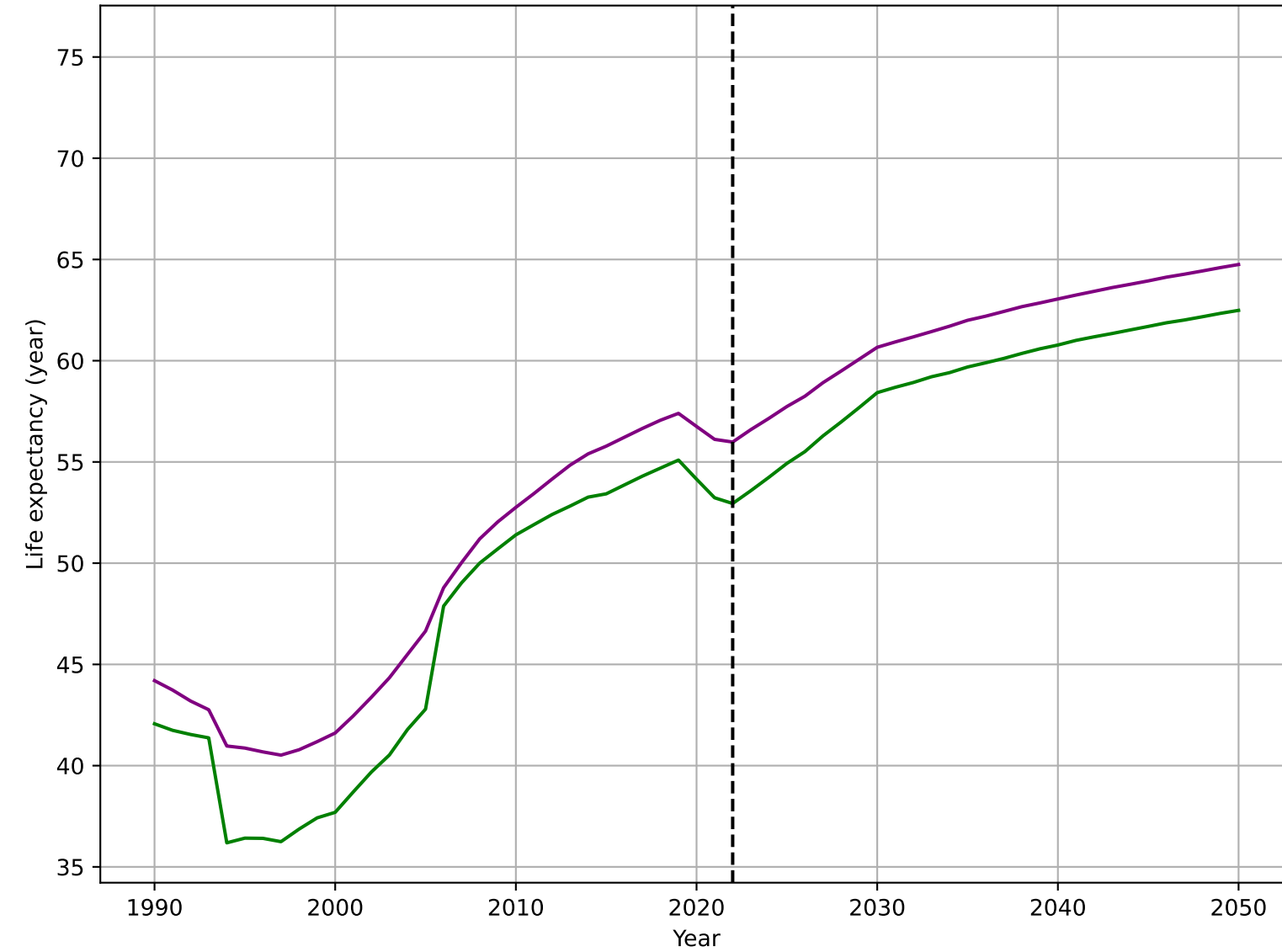


# Burundi

### Life Expectancy

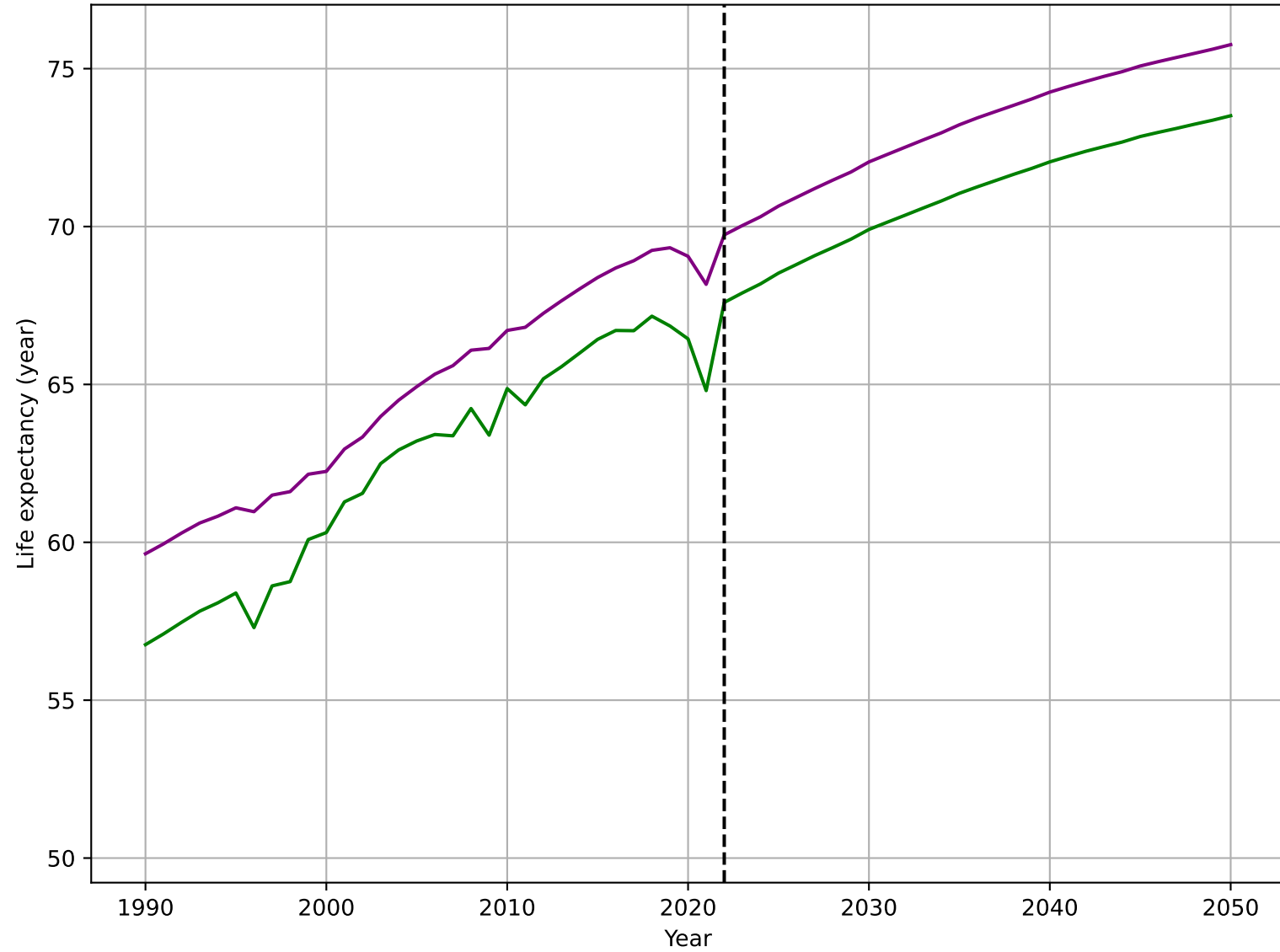


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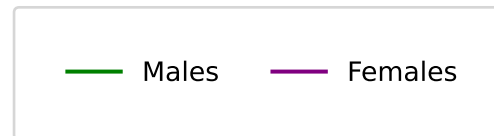
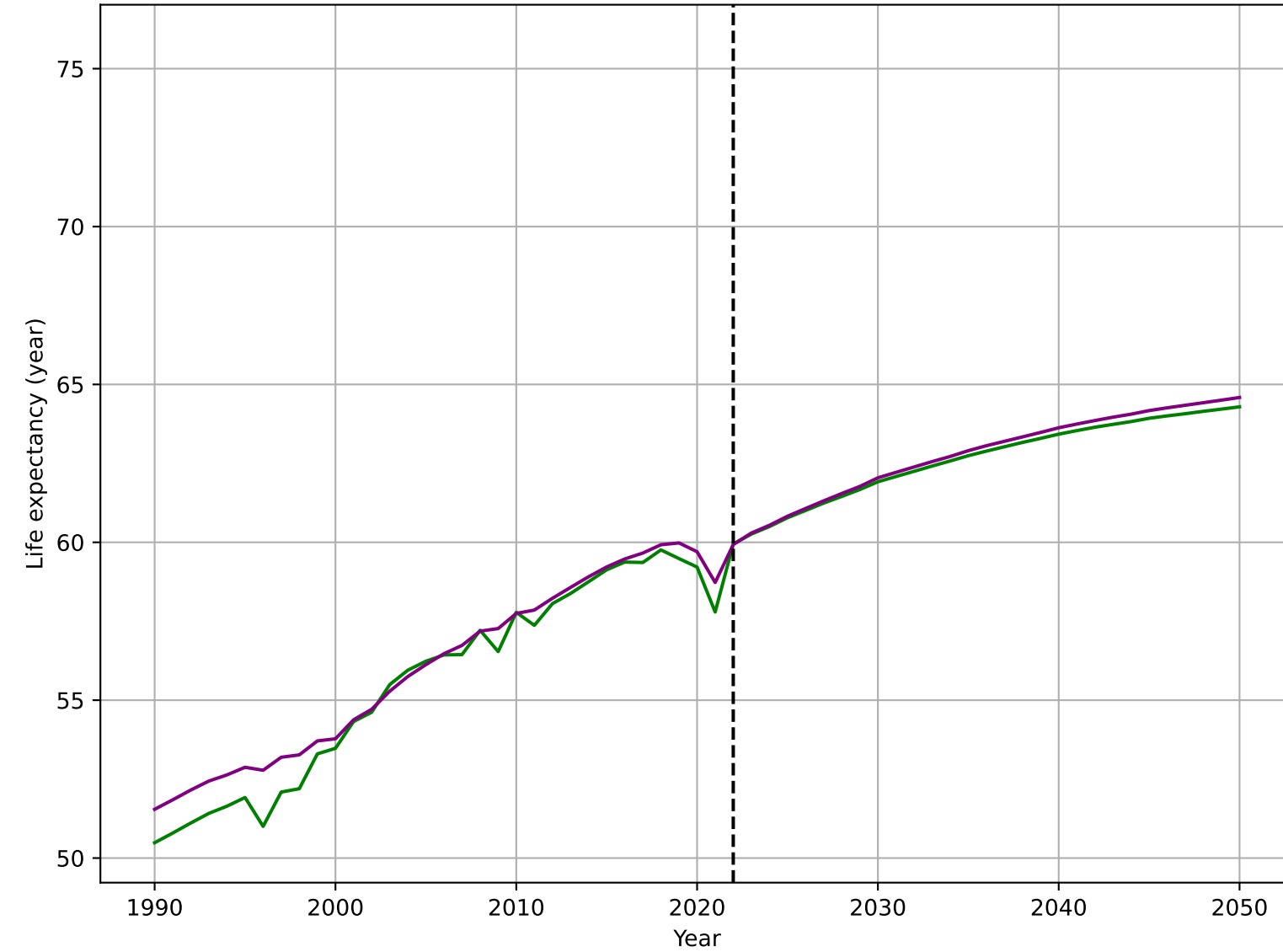


# Comoros

## Life Expectancy

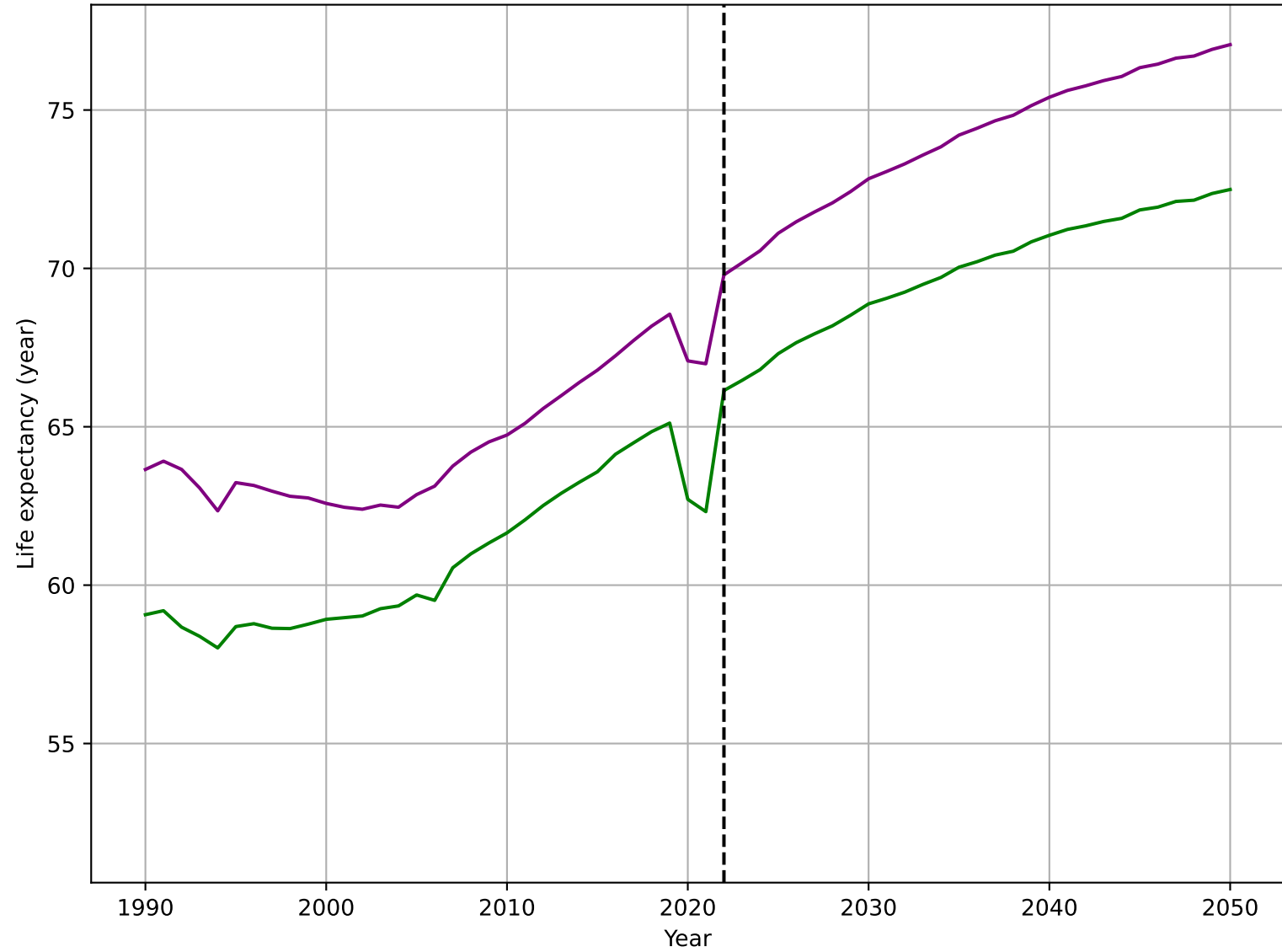


## Healthy Life Expectancy (HALE)

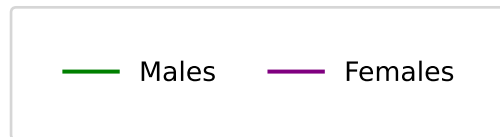
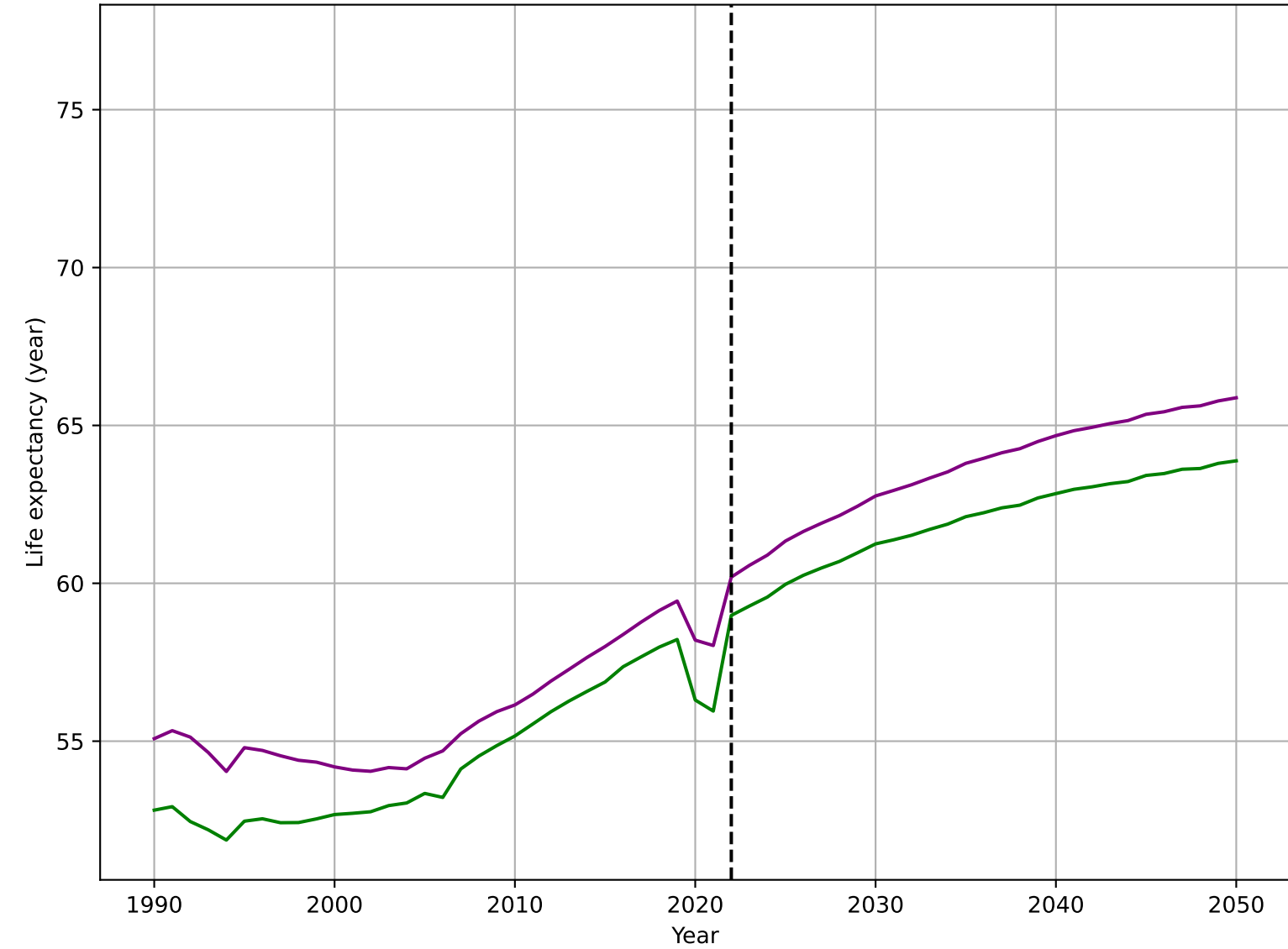


# Djibouti

### Life Expectancy

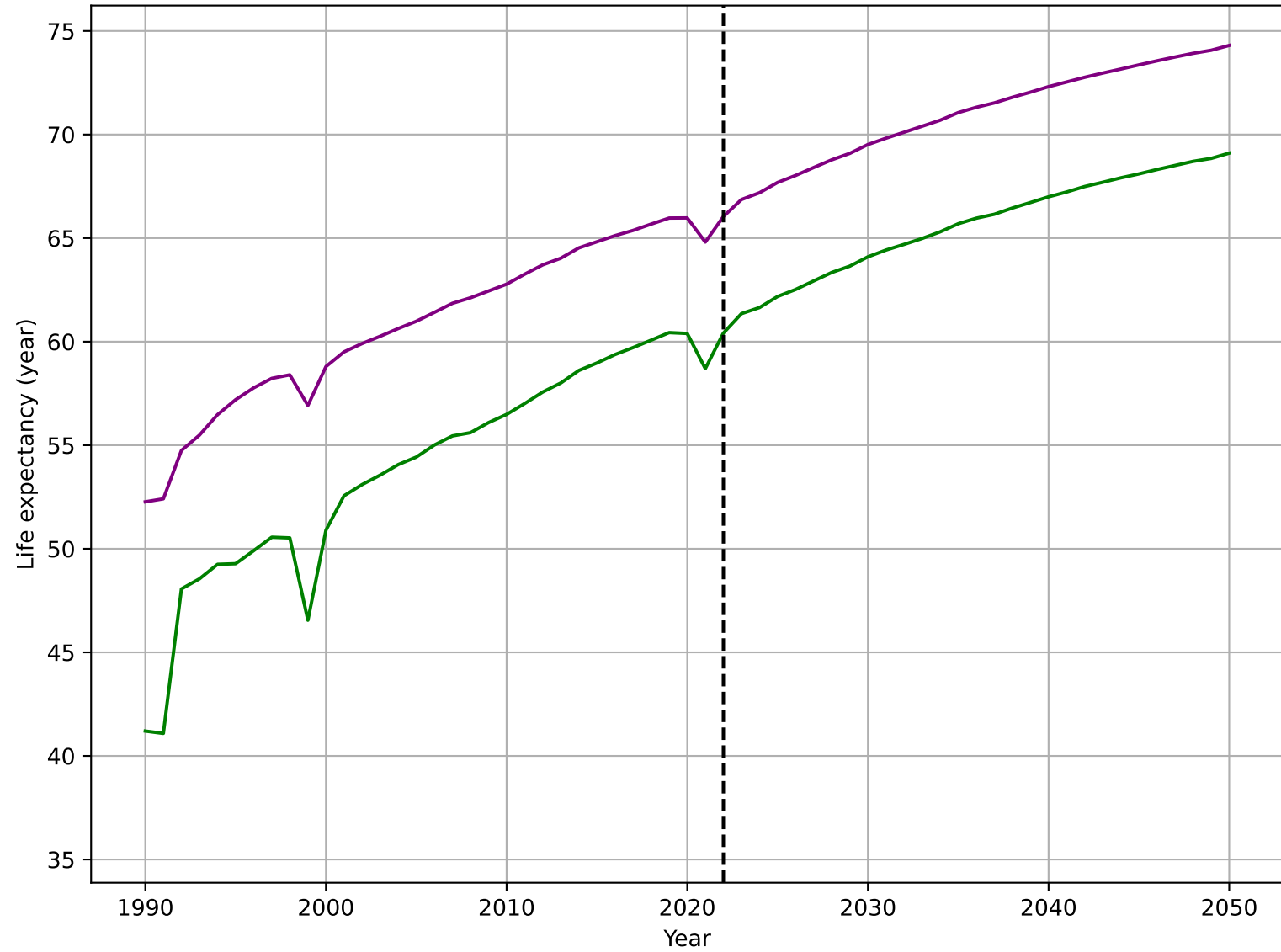


### Healthy Life Expectancy (HALE)

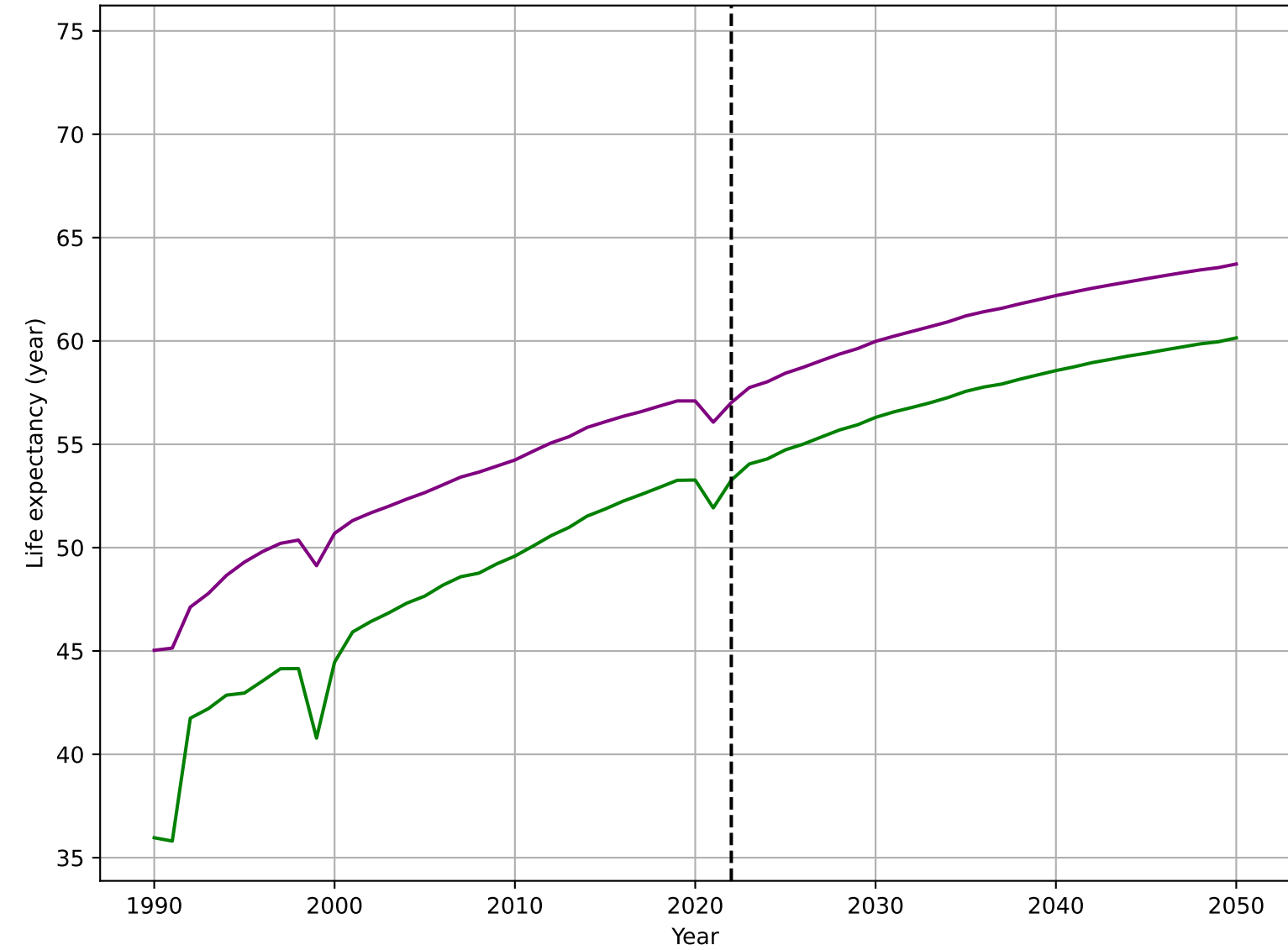


# Eritrea

### Life Expectancy



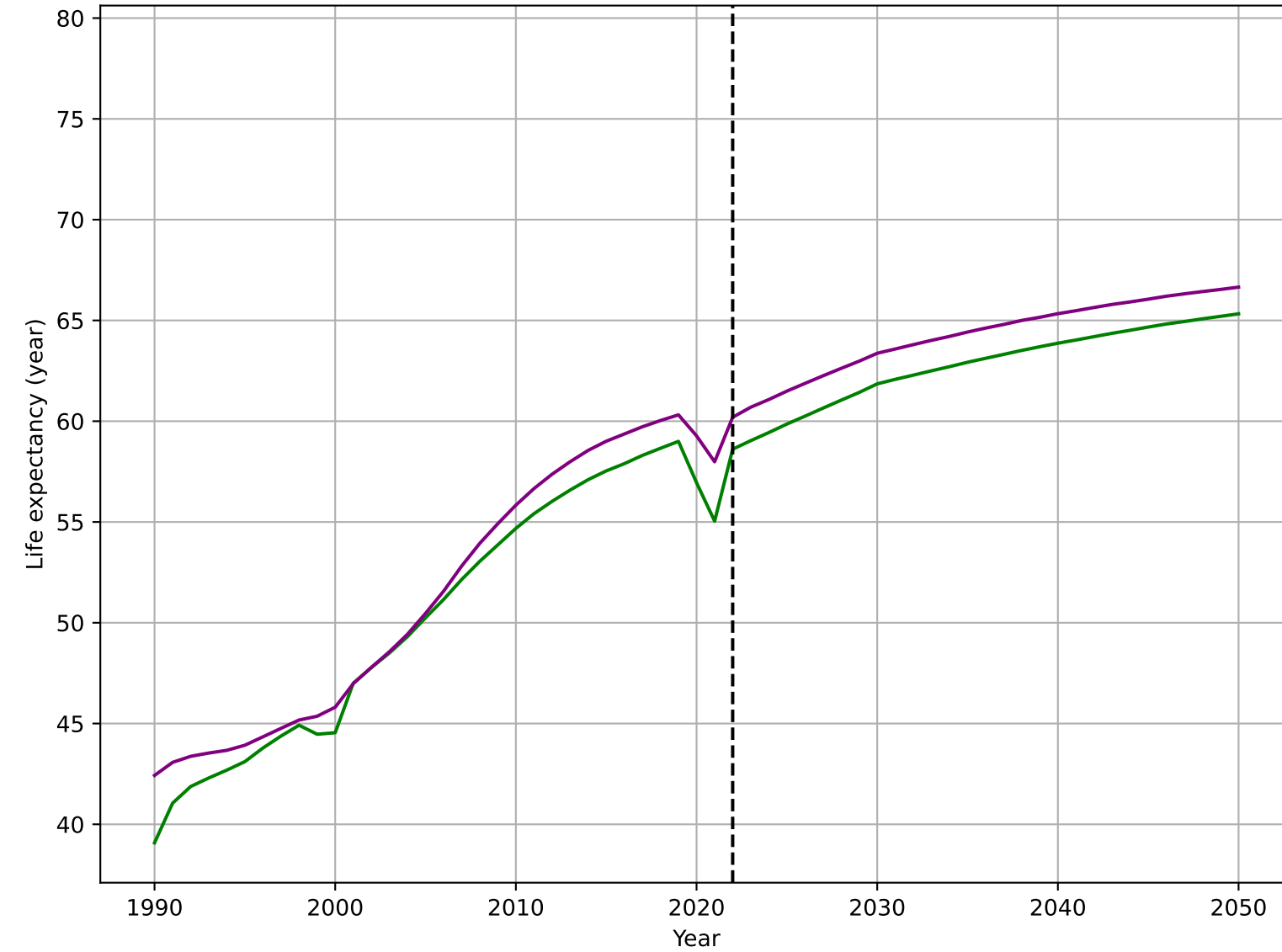
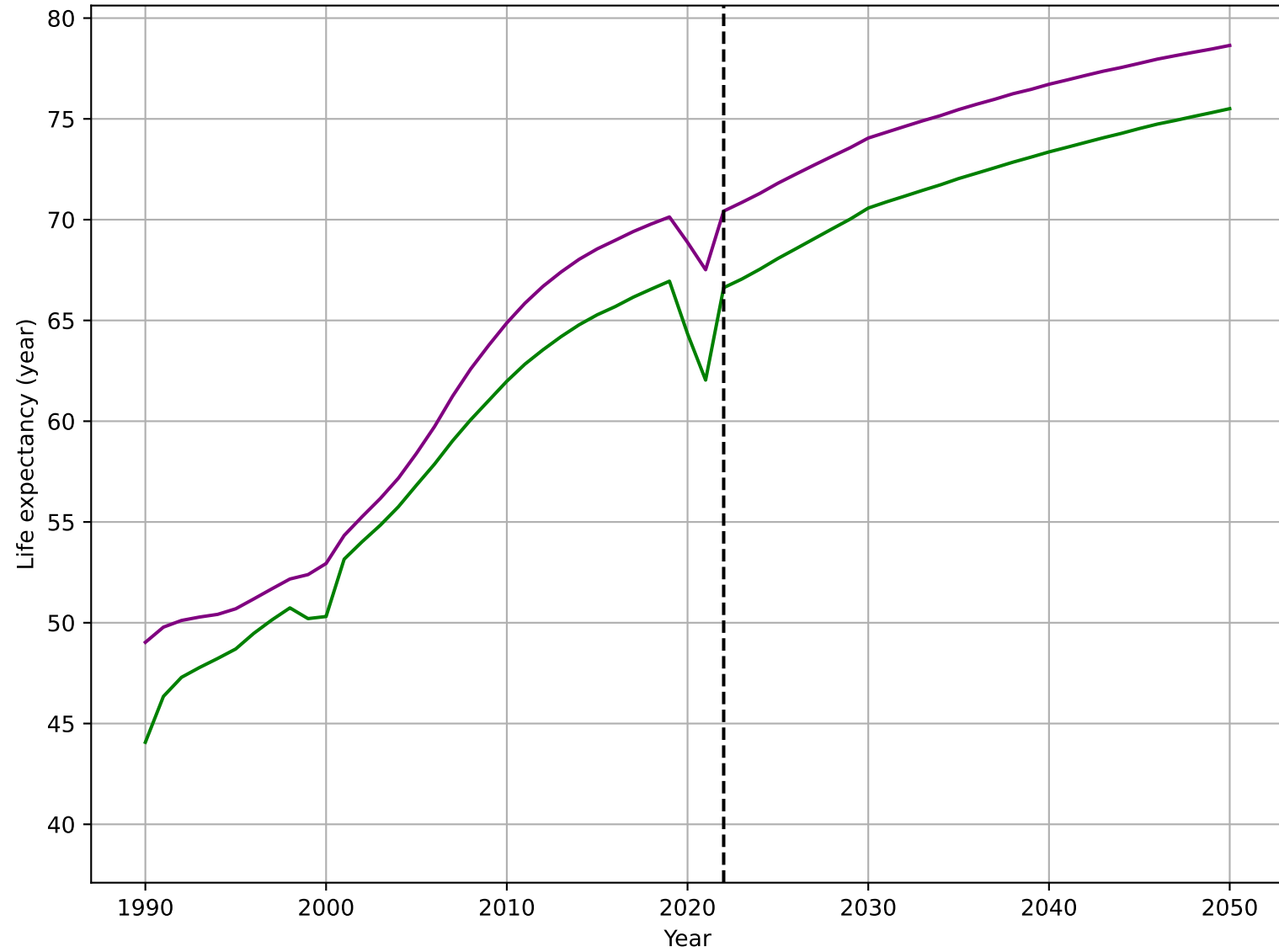
### Healthy Life Expectancy (HALE)



# Ethiopia

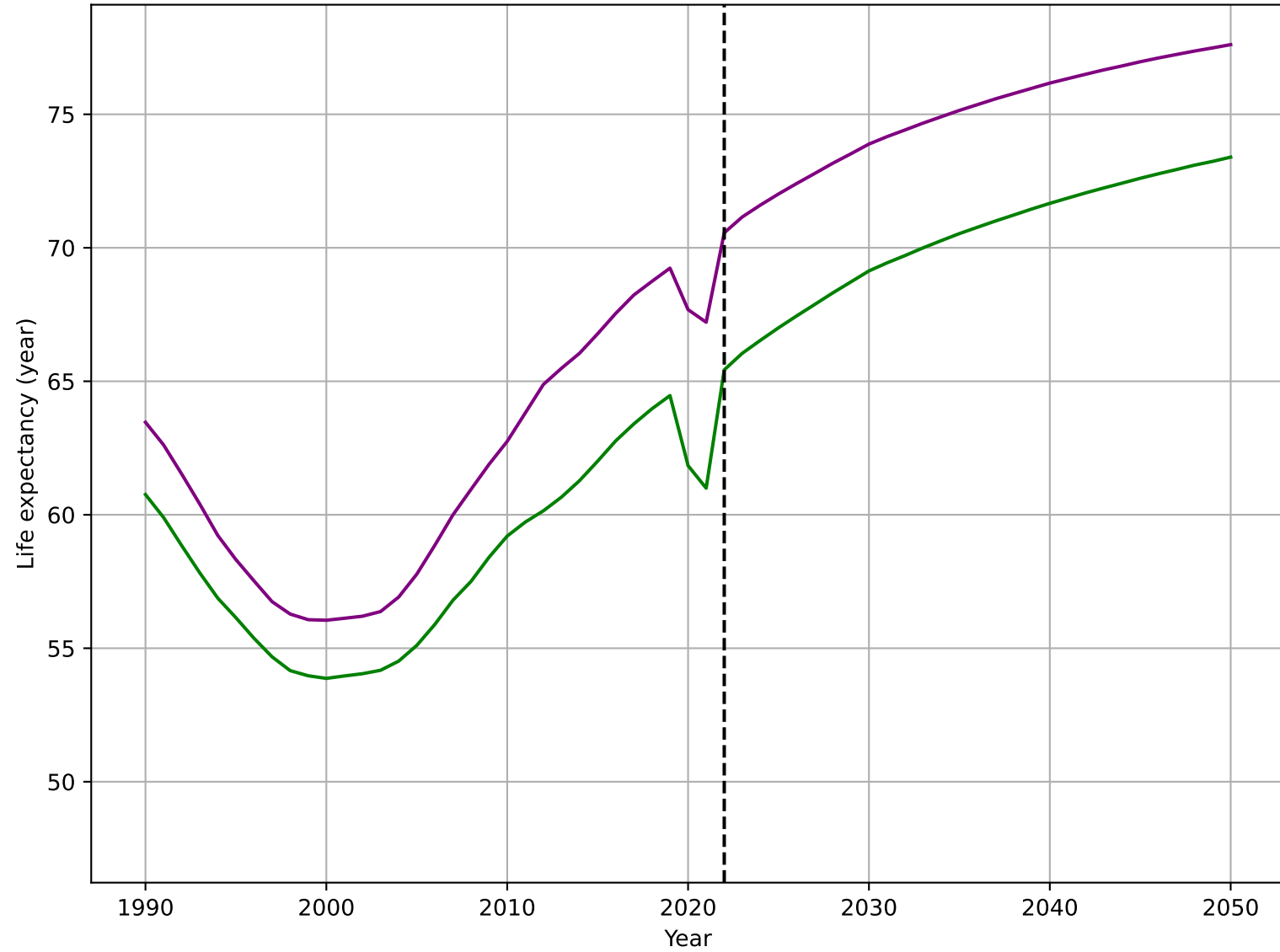
### Life Expectancy

### Healthy Life Expectancy (HALE)

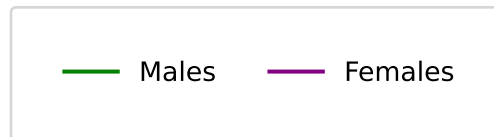
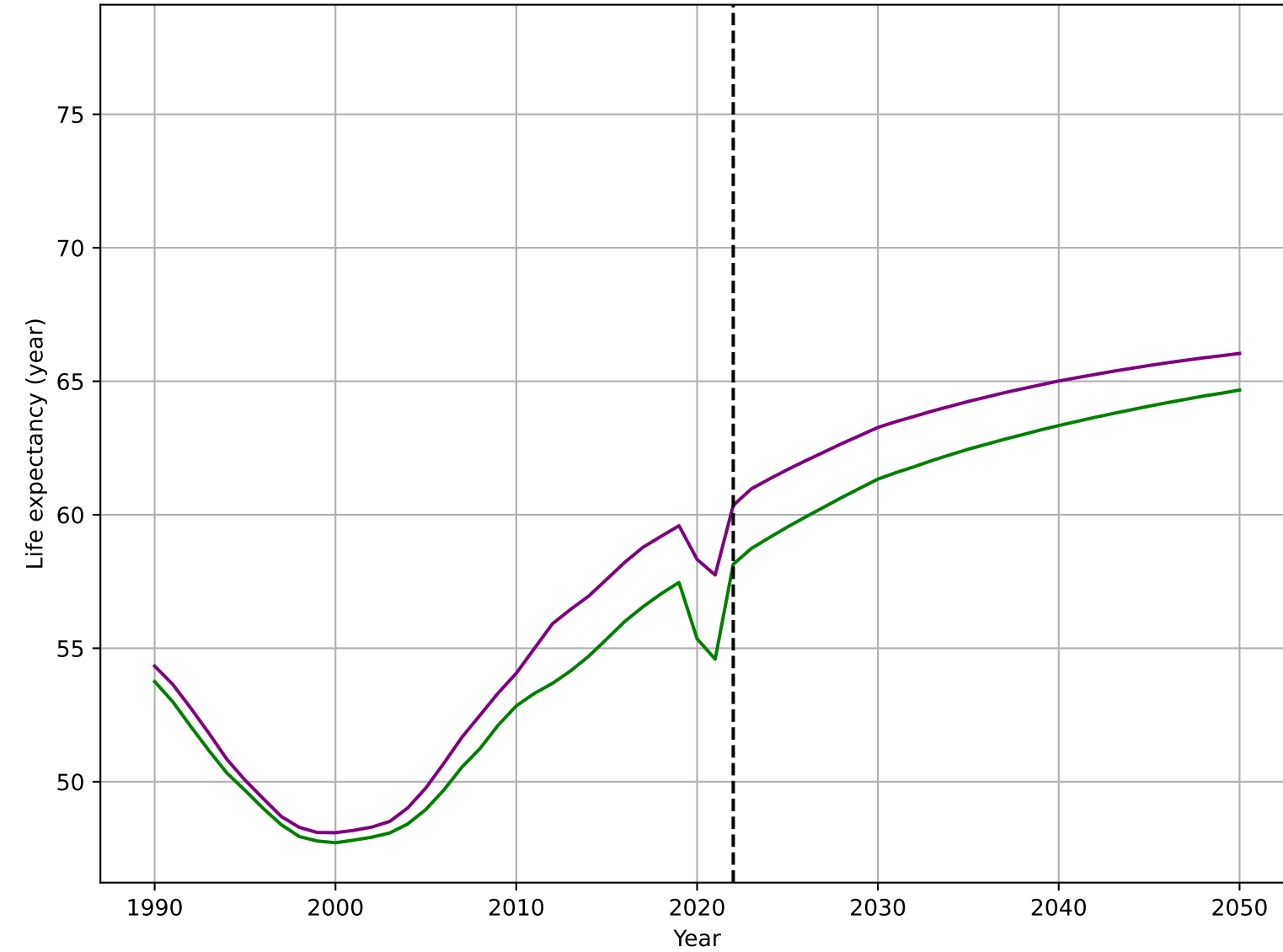


# Kenya

### Life Expectancy

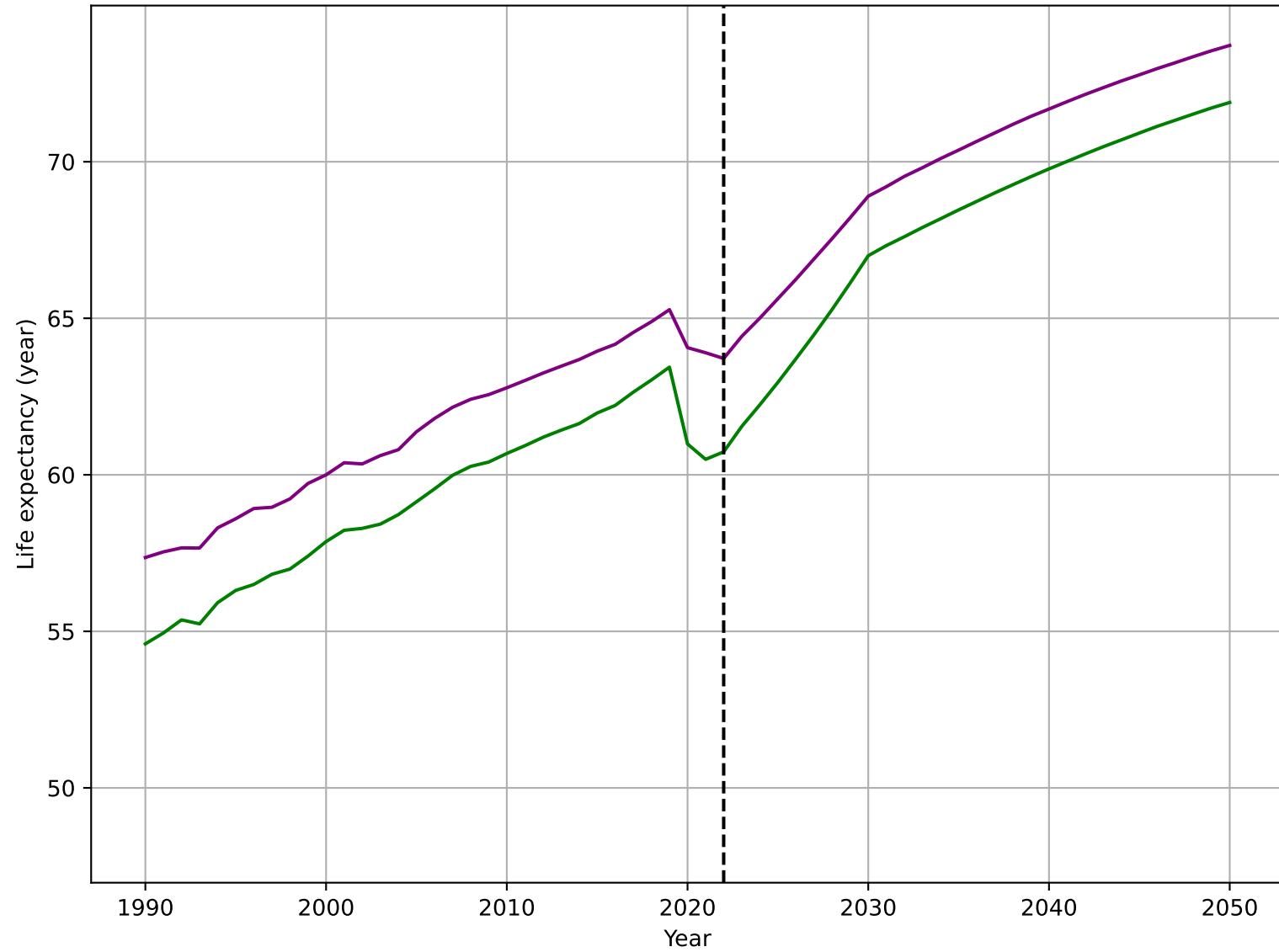


### Healthy Life Expectancy (HALE)

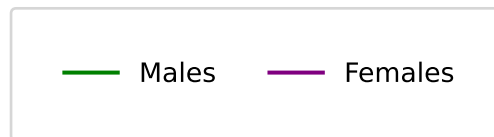
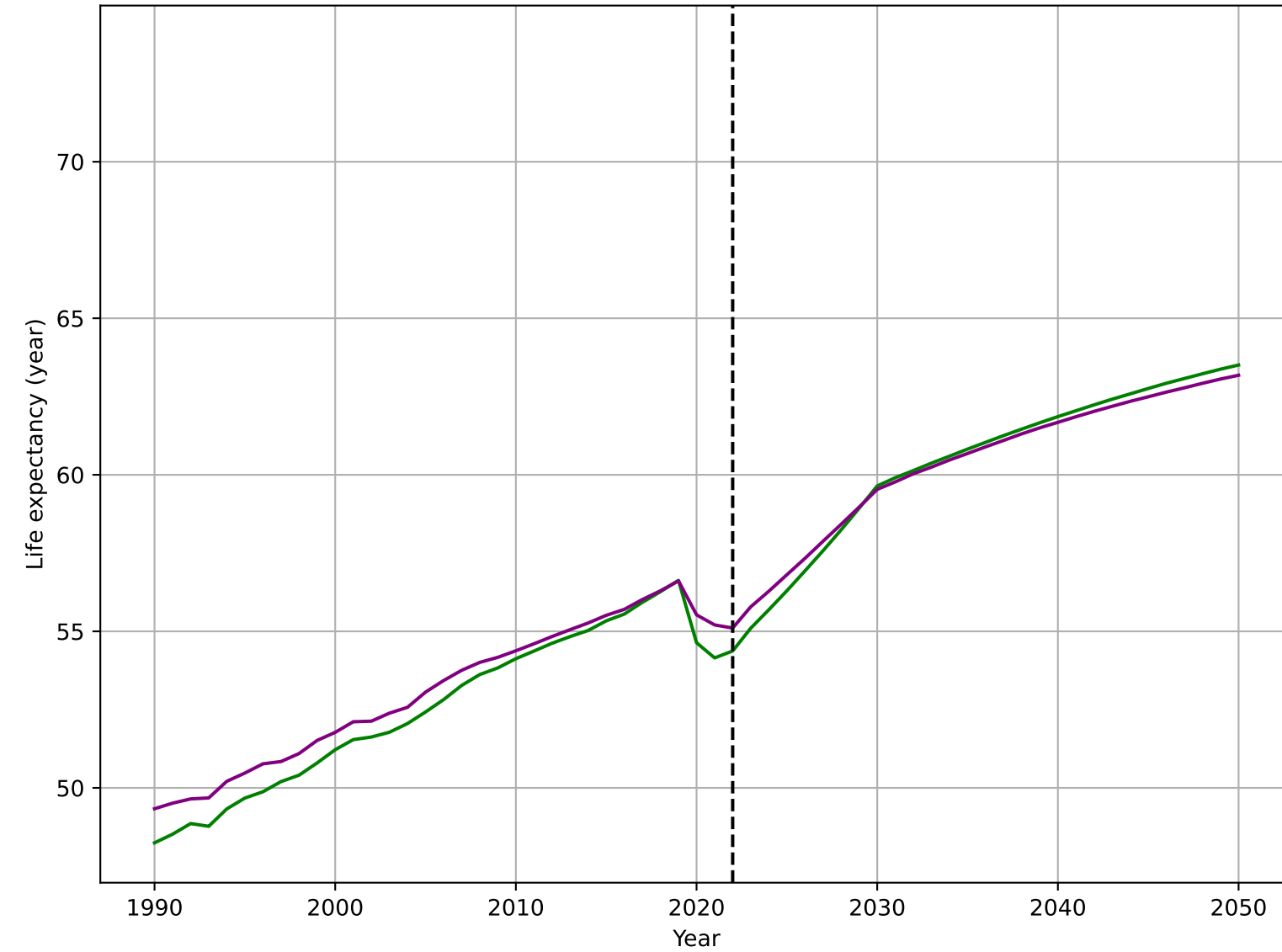


# Madagascar

### Life Expectancy

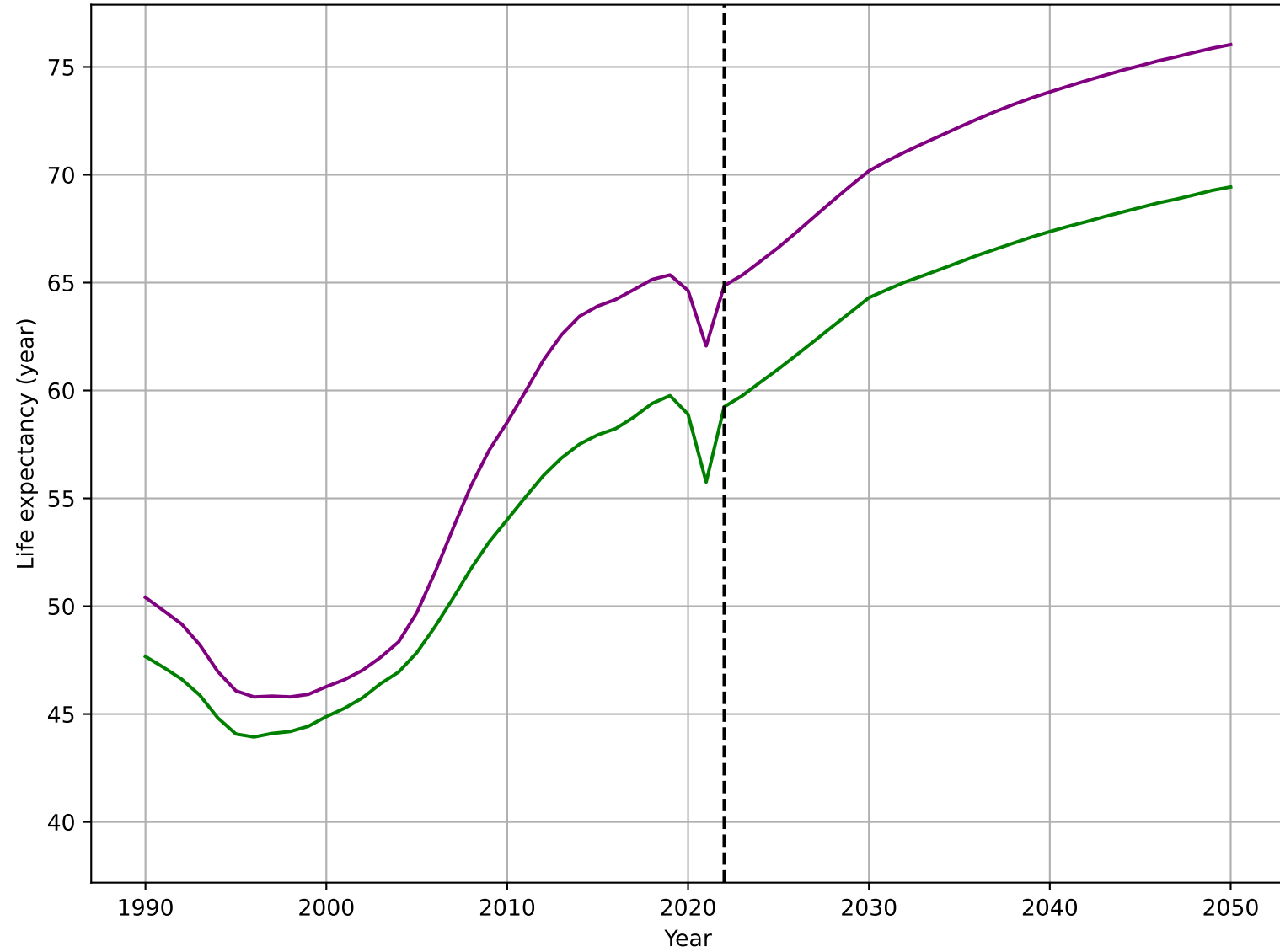


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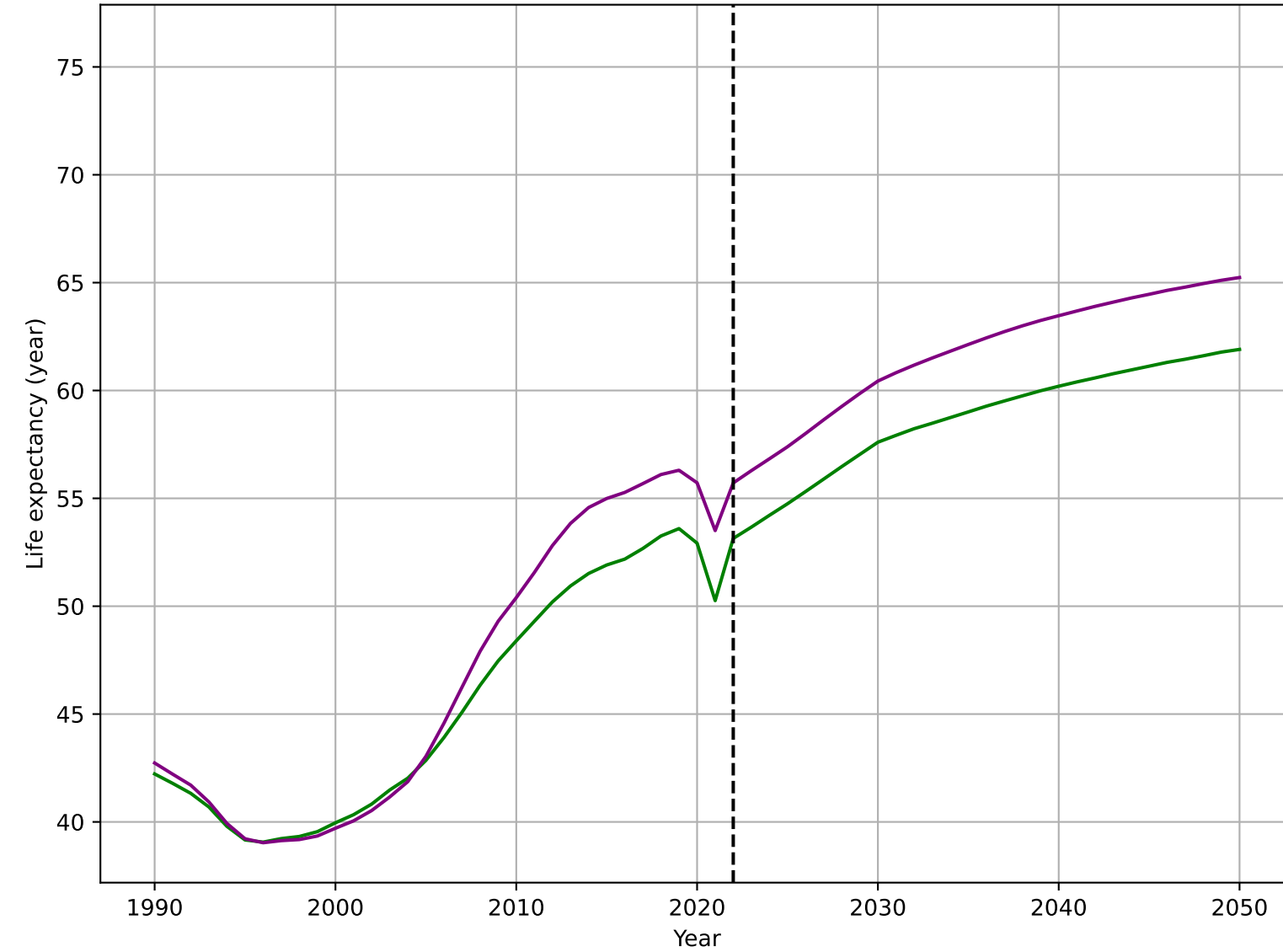


# Malawi

### Life Expectancy



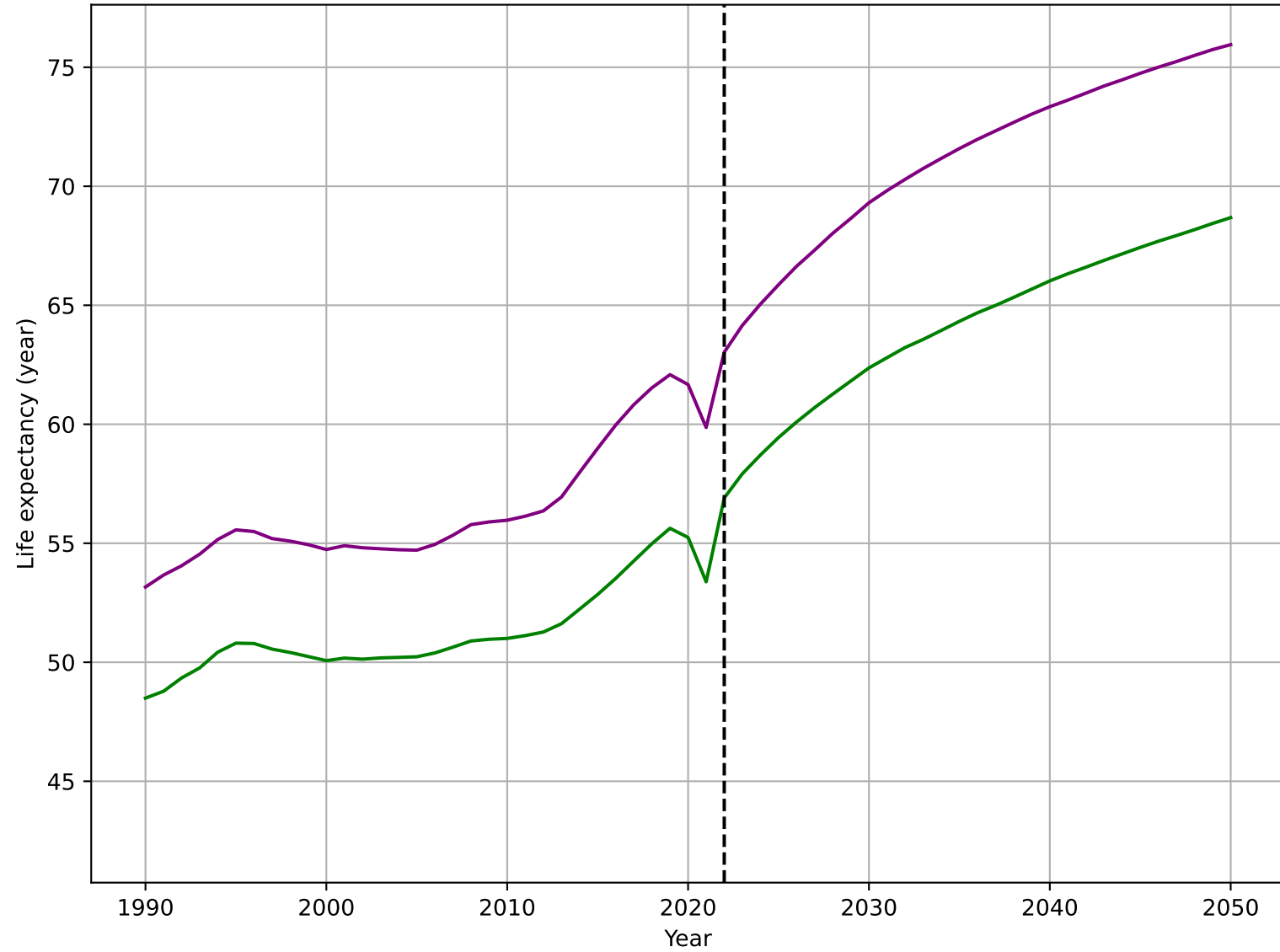
### Healthy Life Expectancy (HALE)



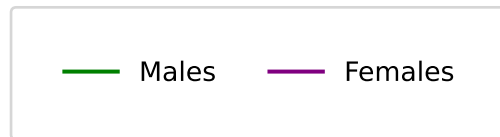
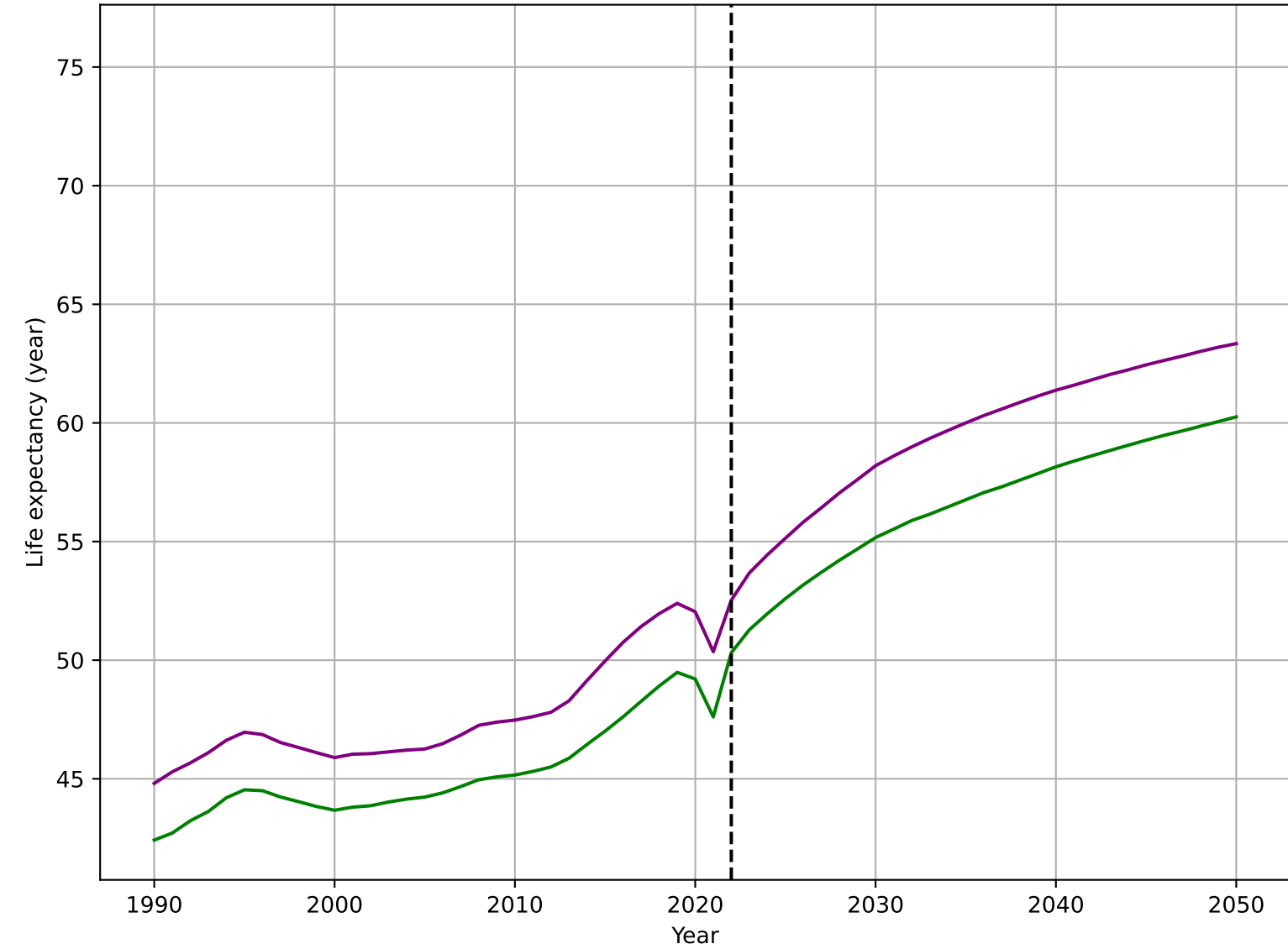


# Mozambique

### Life Expectancy

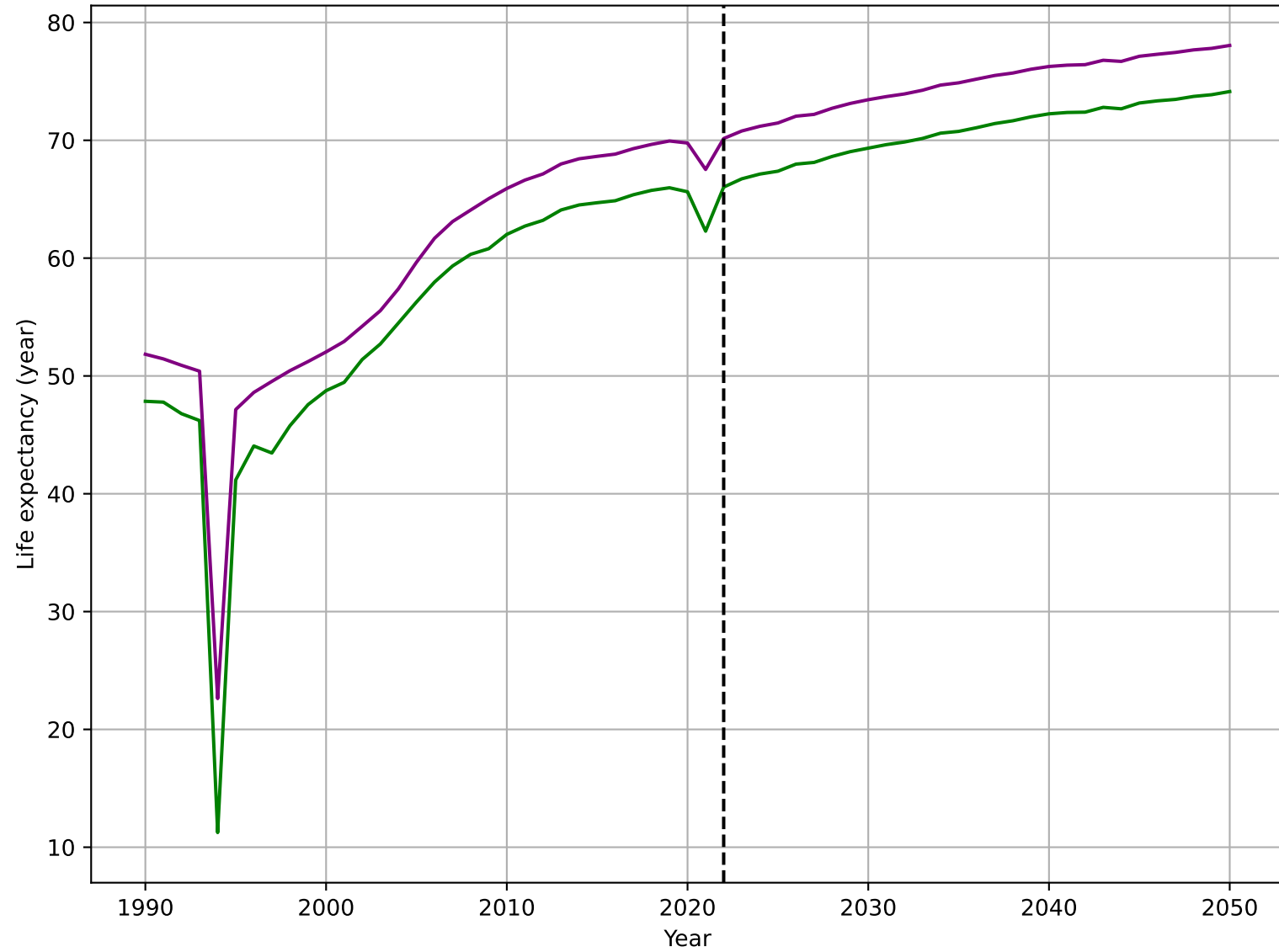


### Healthy Life Expectancy (HALE)

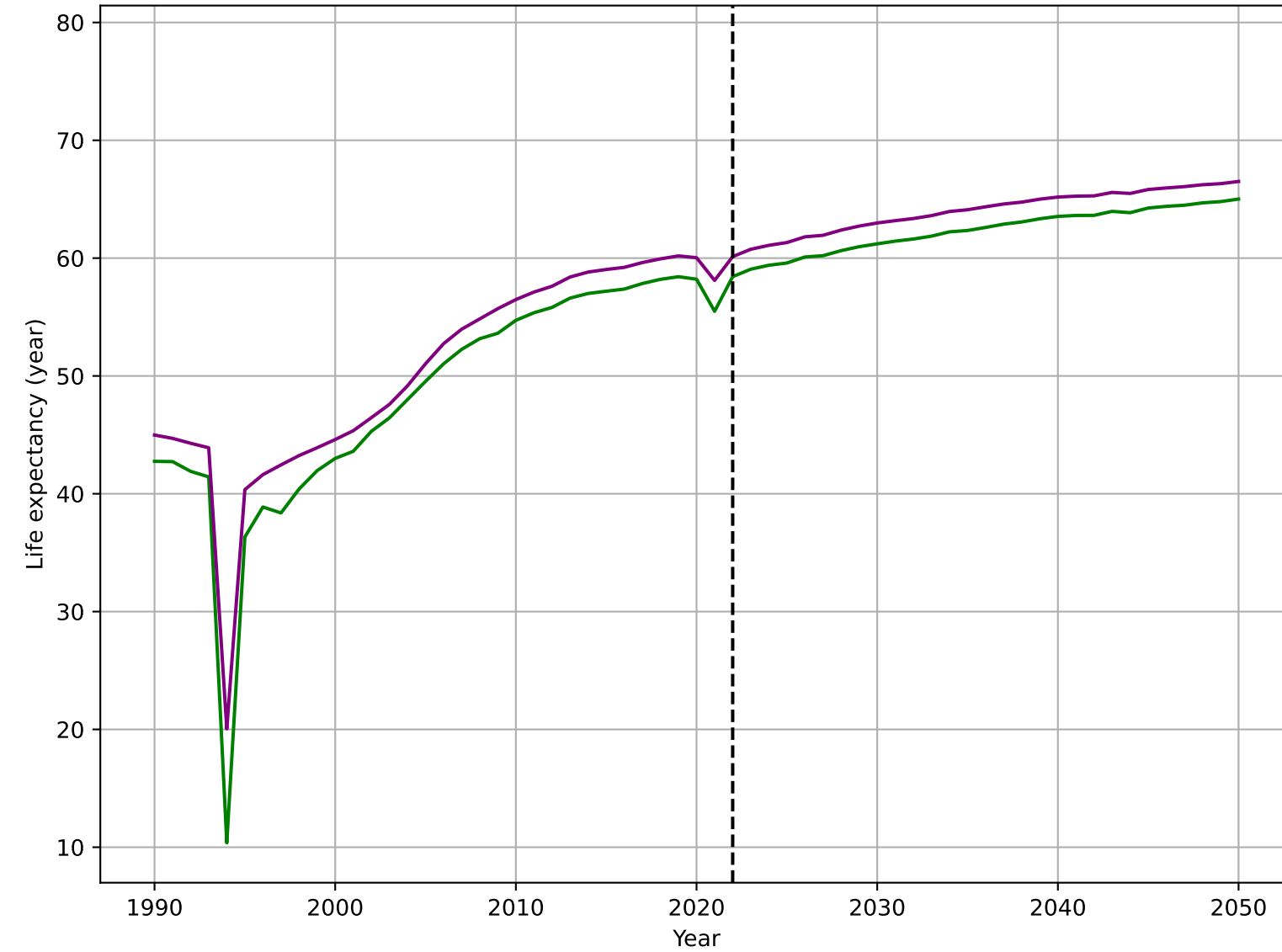


# Rwanda

### Life Expectancy

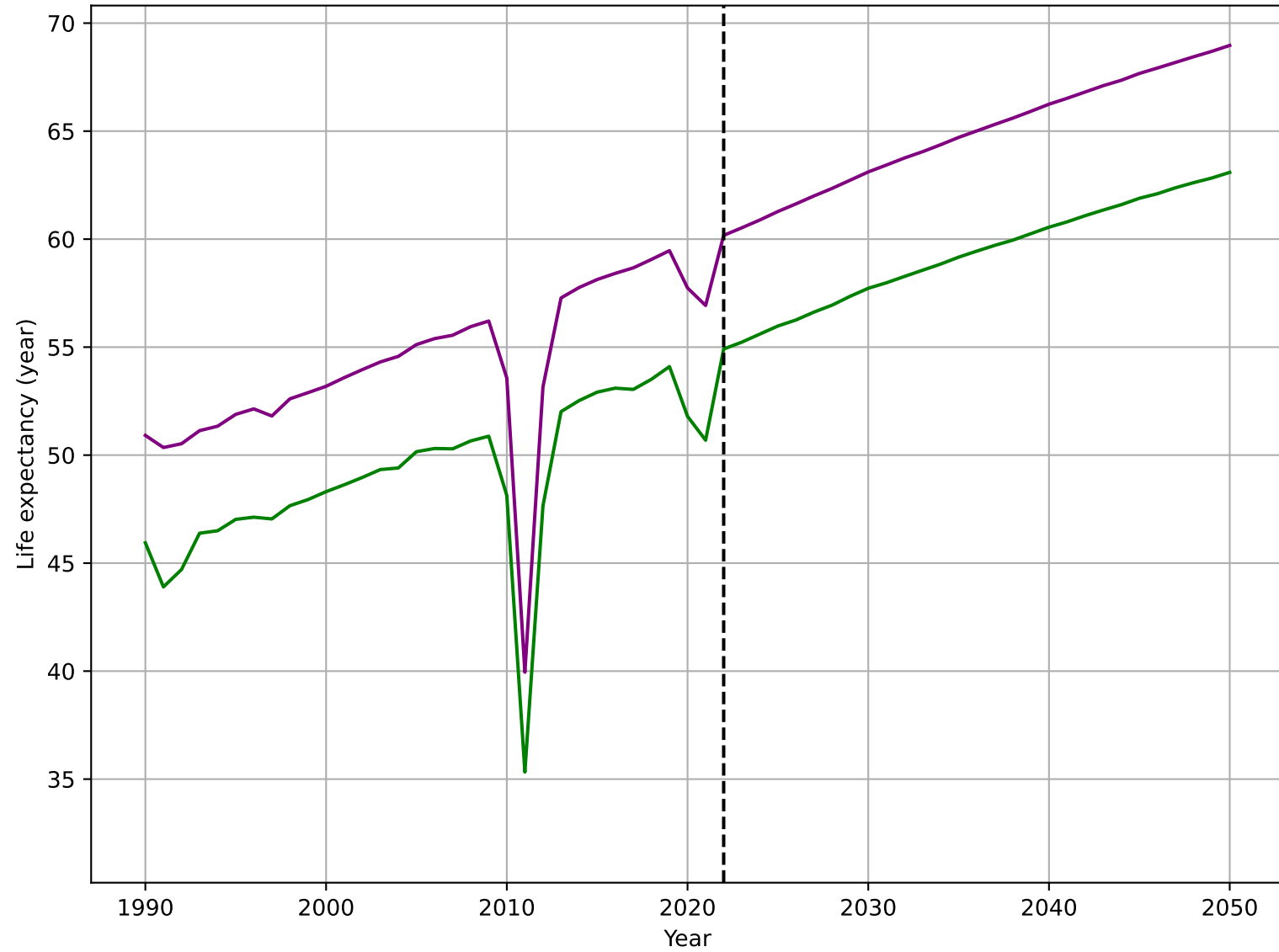


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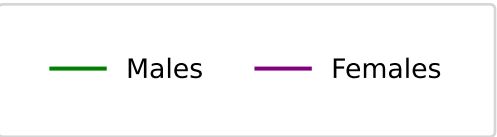
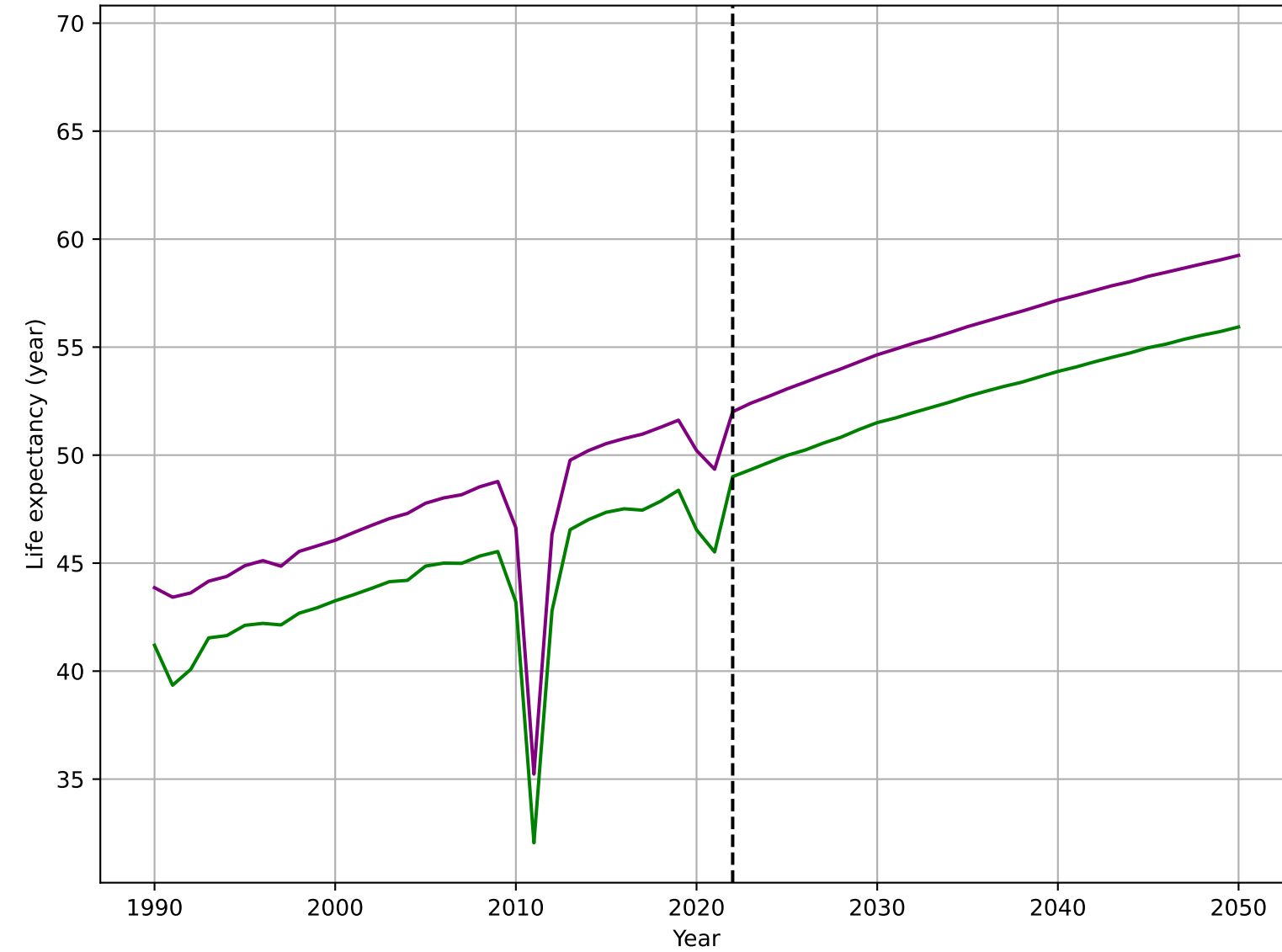


# Somalia

### Life Expectancy

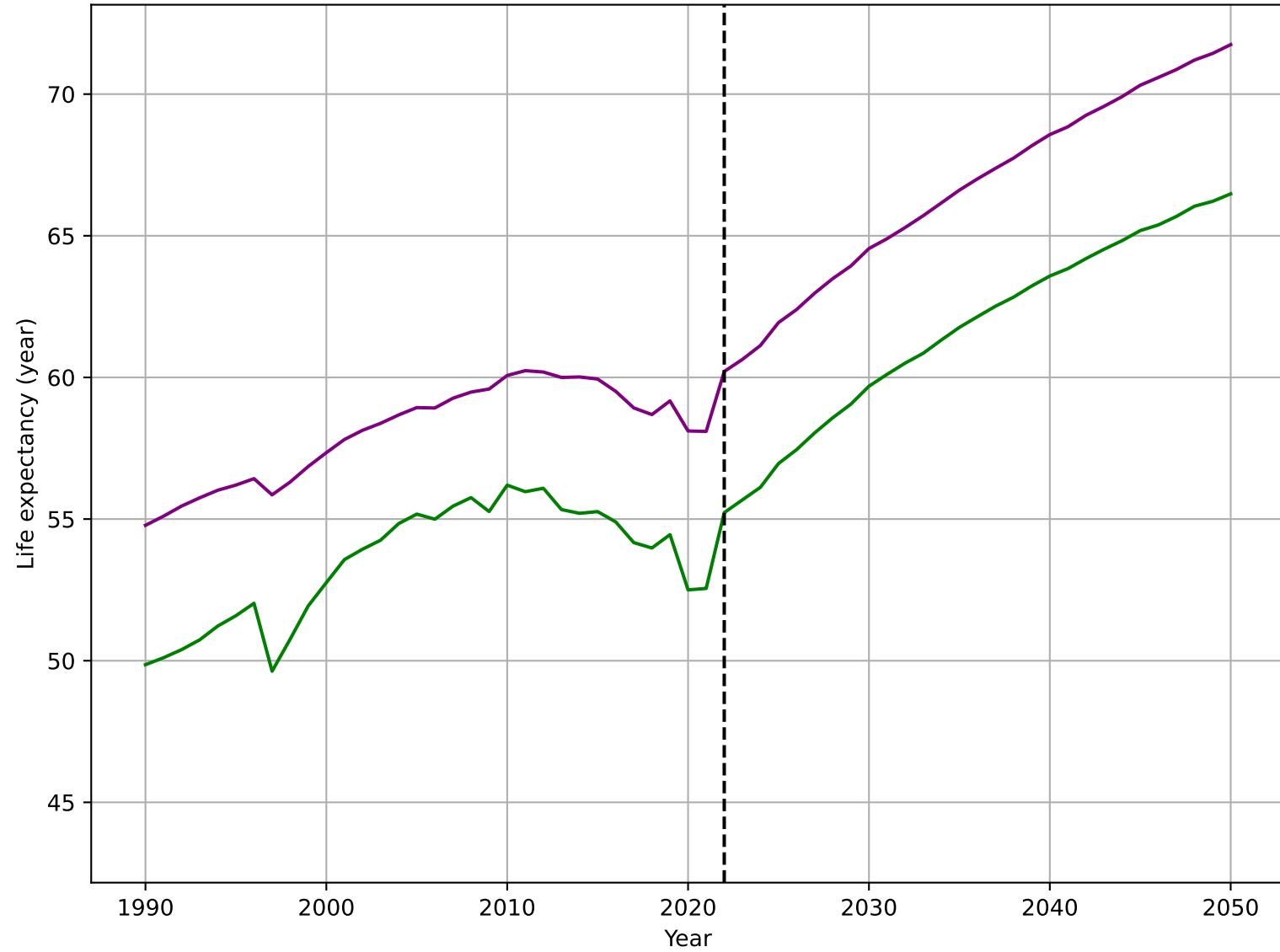


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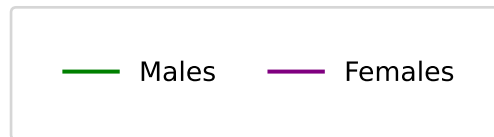
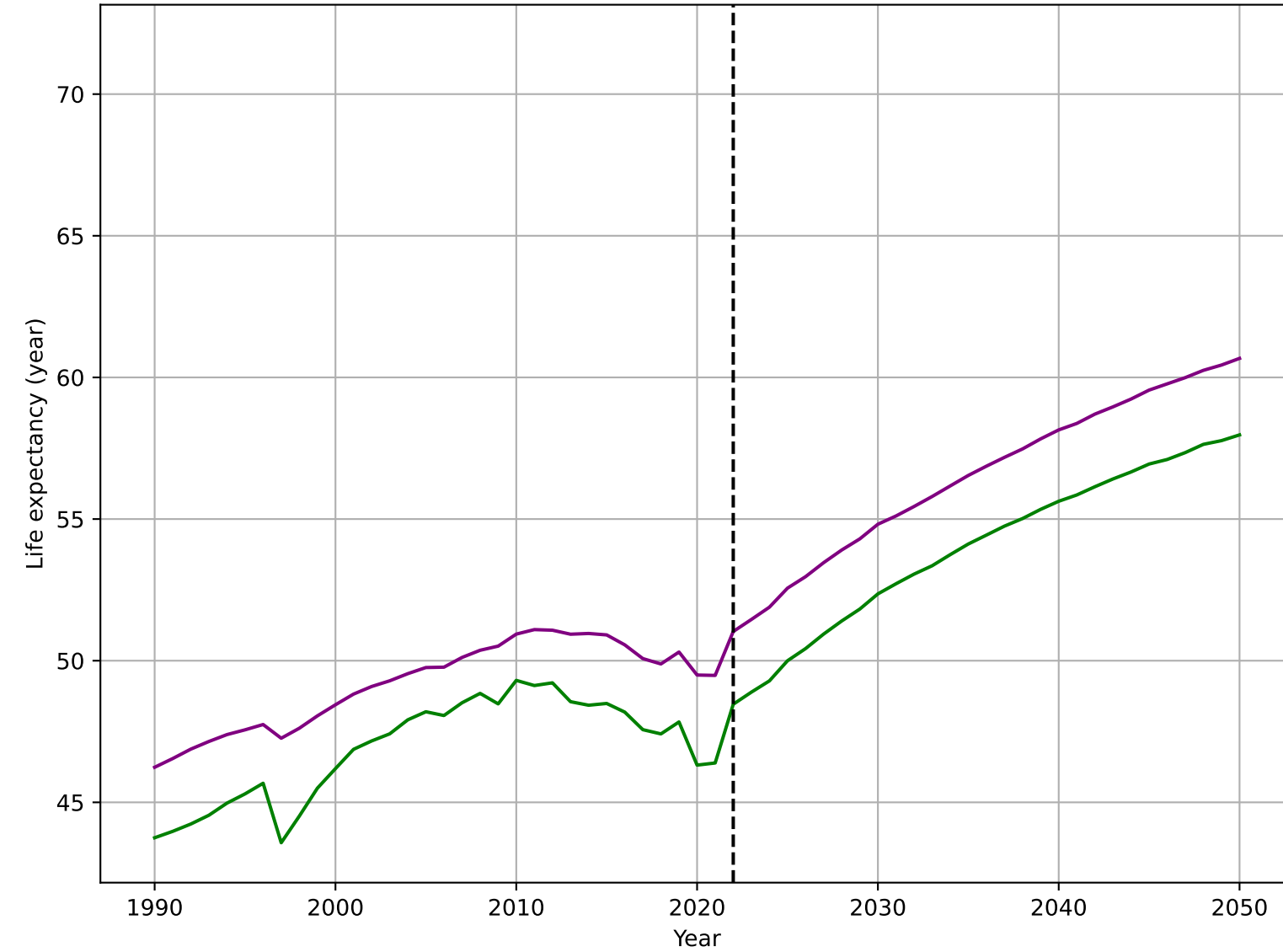


# South Sudan

## Life Expectancy

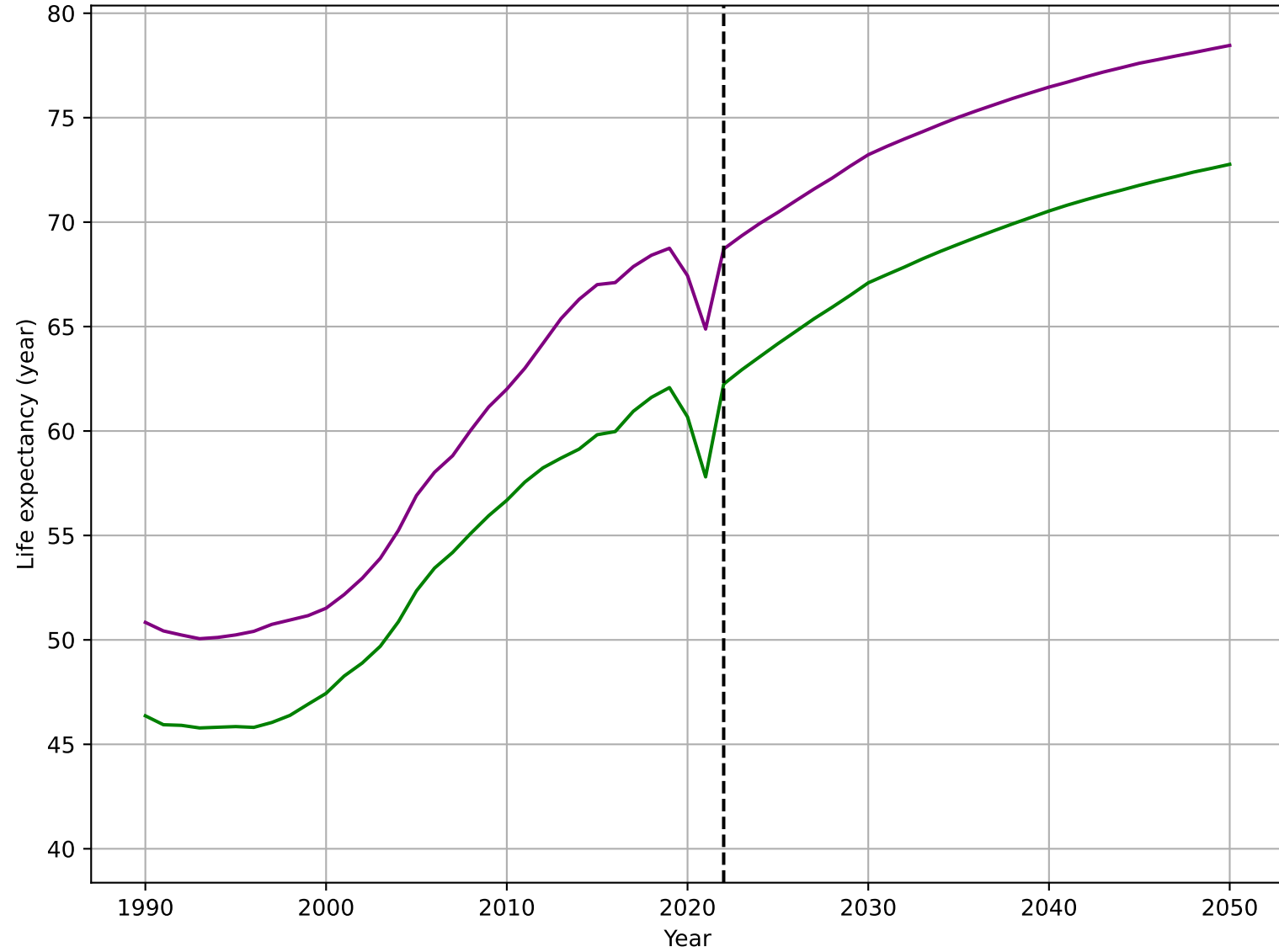


## Healthy Life Expectancy (HALE)

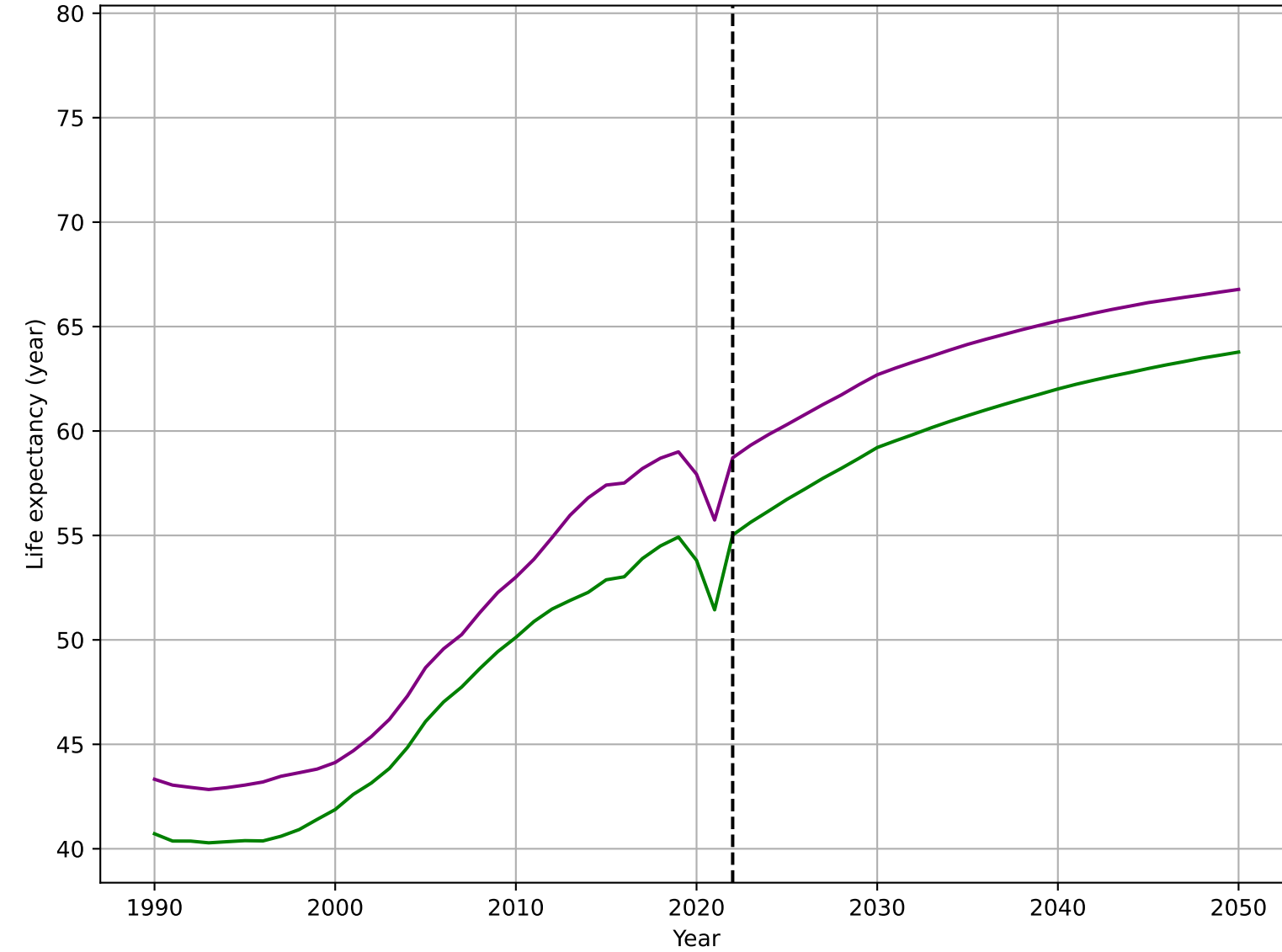


# Uganda

### Life Expectancy

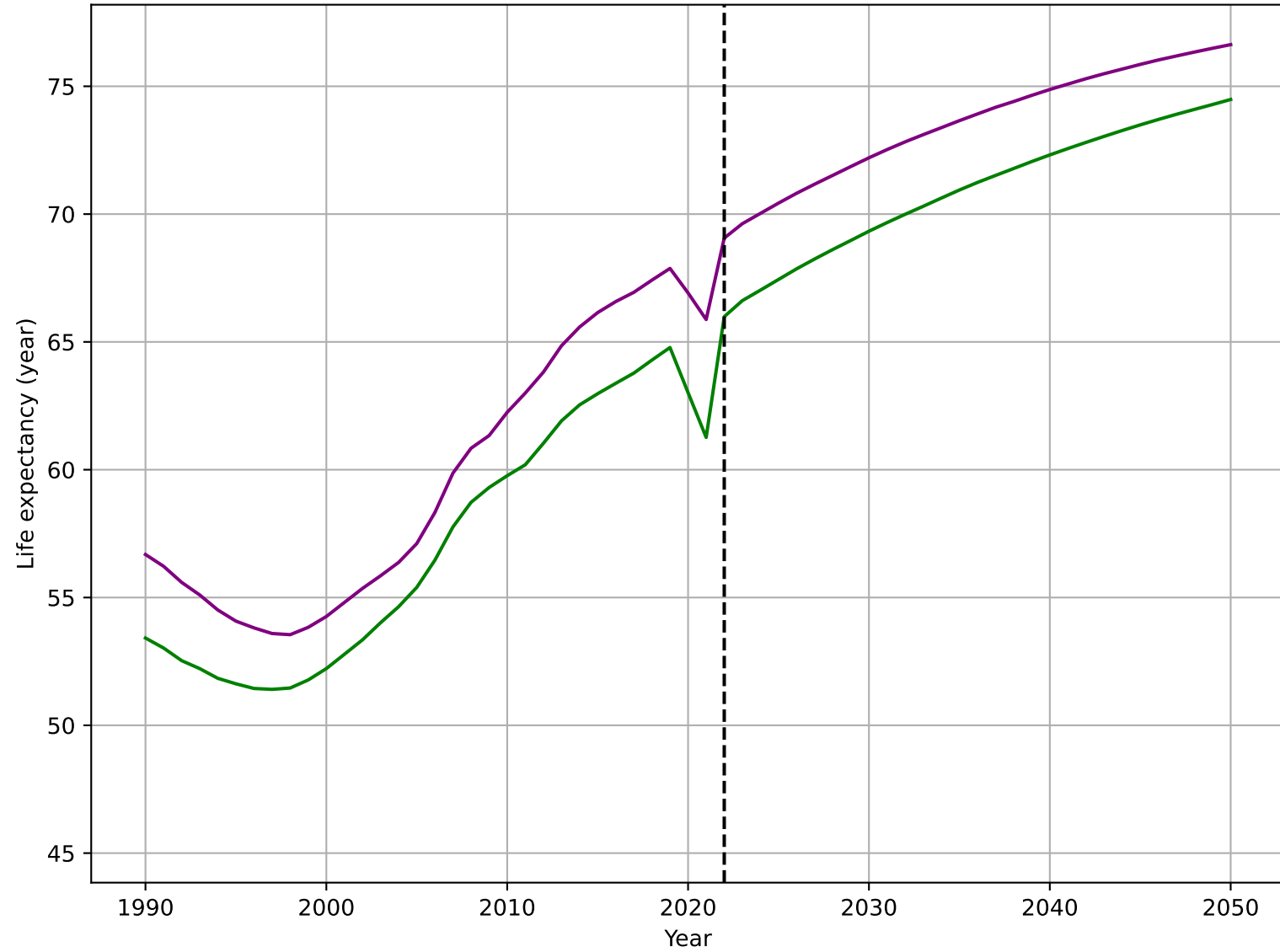


### Healthy Life Expectancy (HALE)

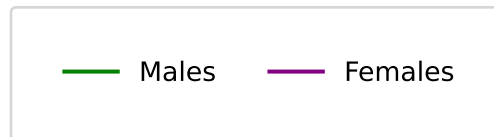
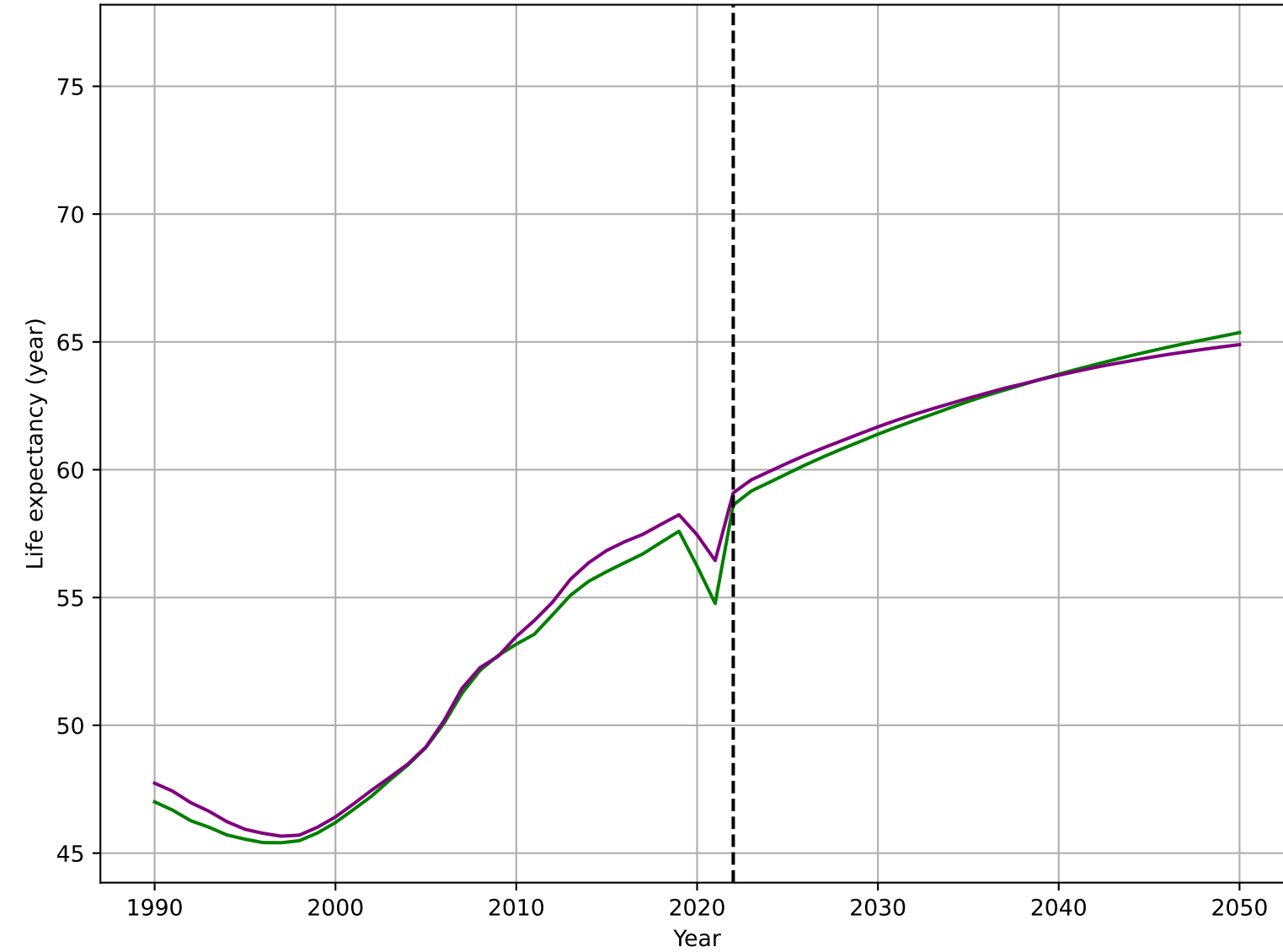


# Tanzania

### Life Expectancy

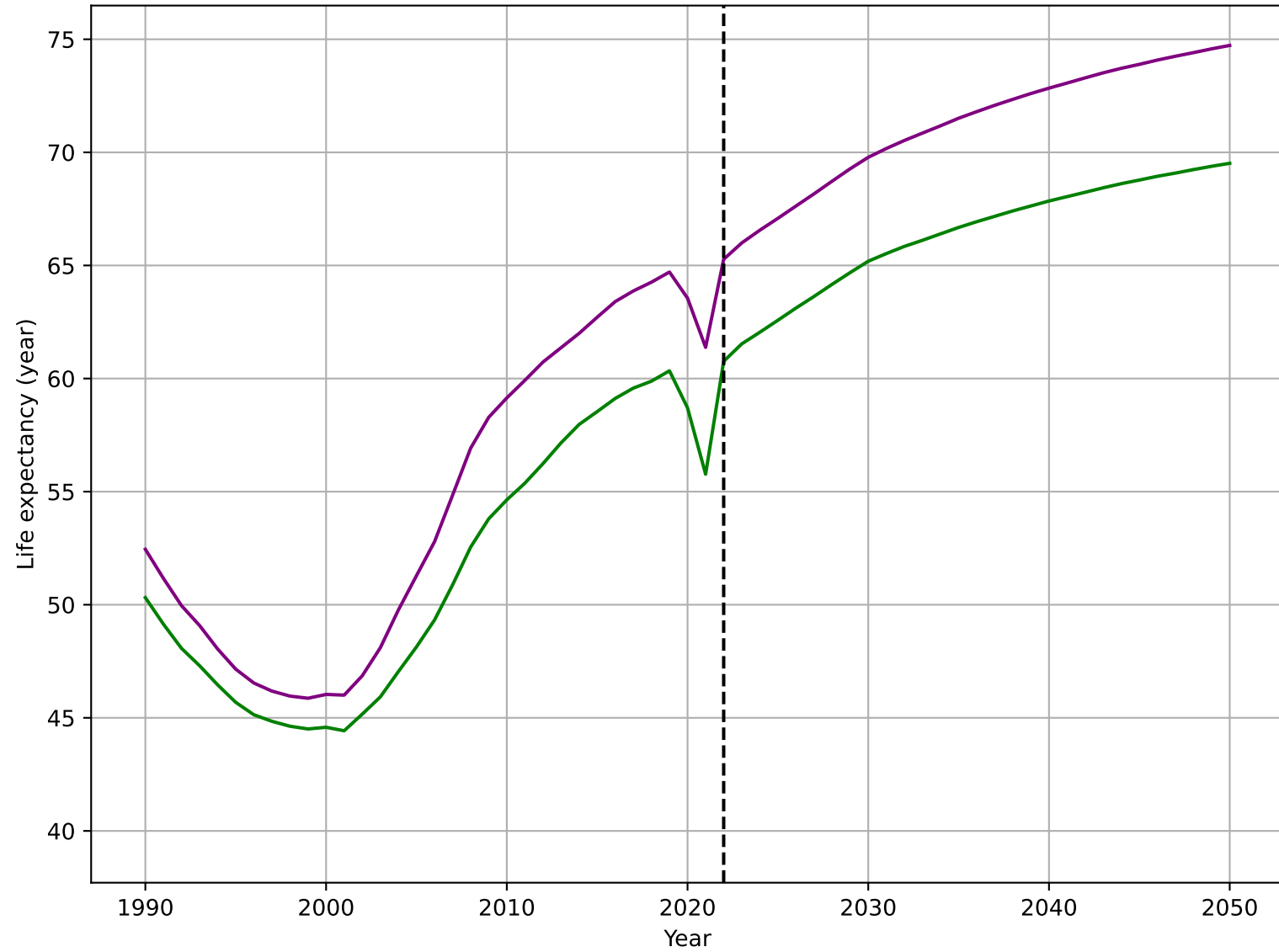


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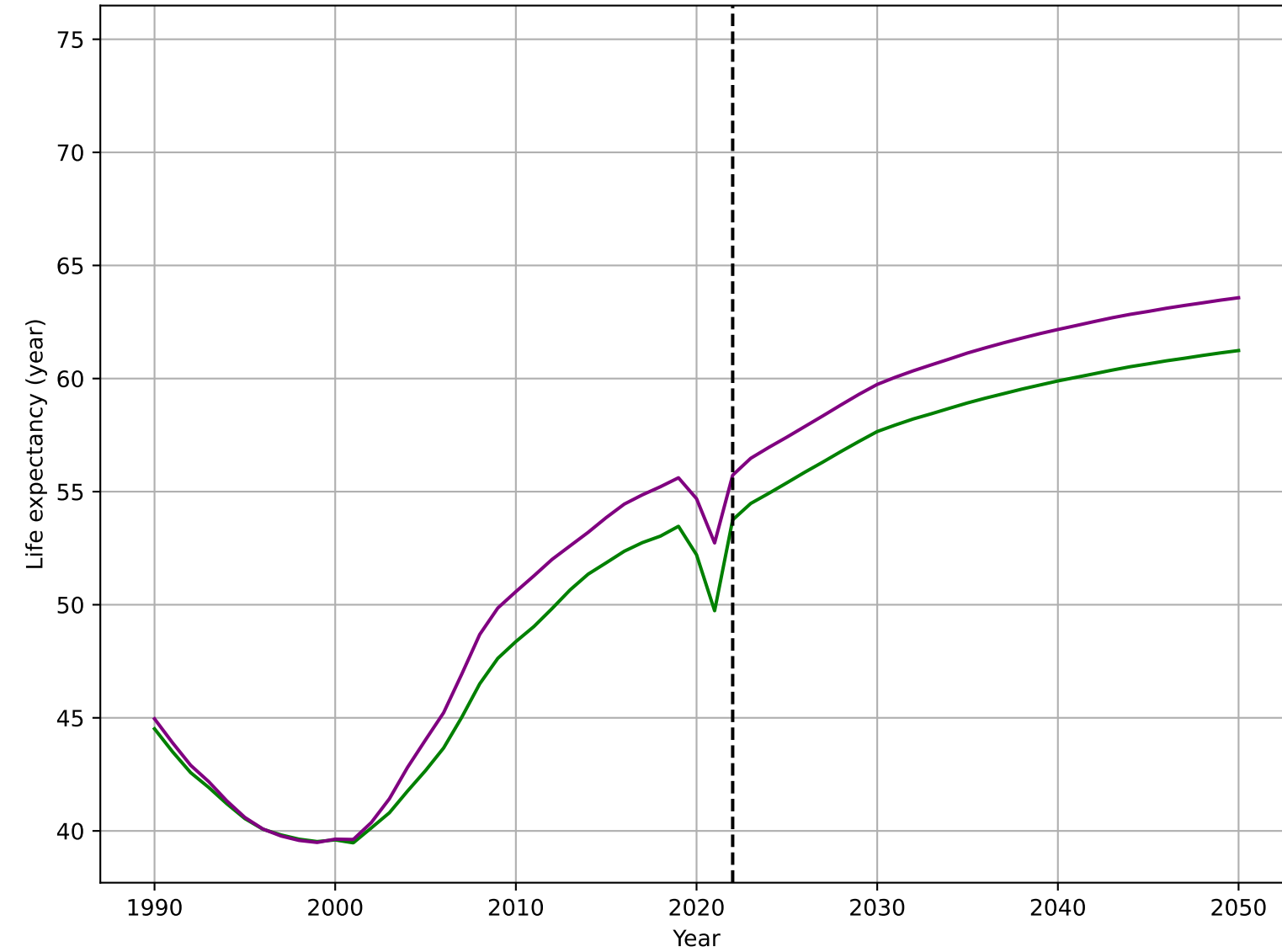


# Zambia

### Life Expectancy

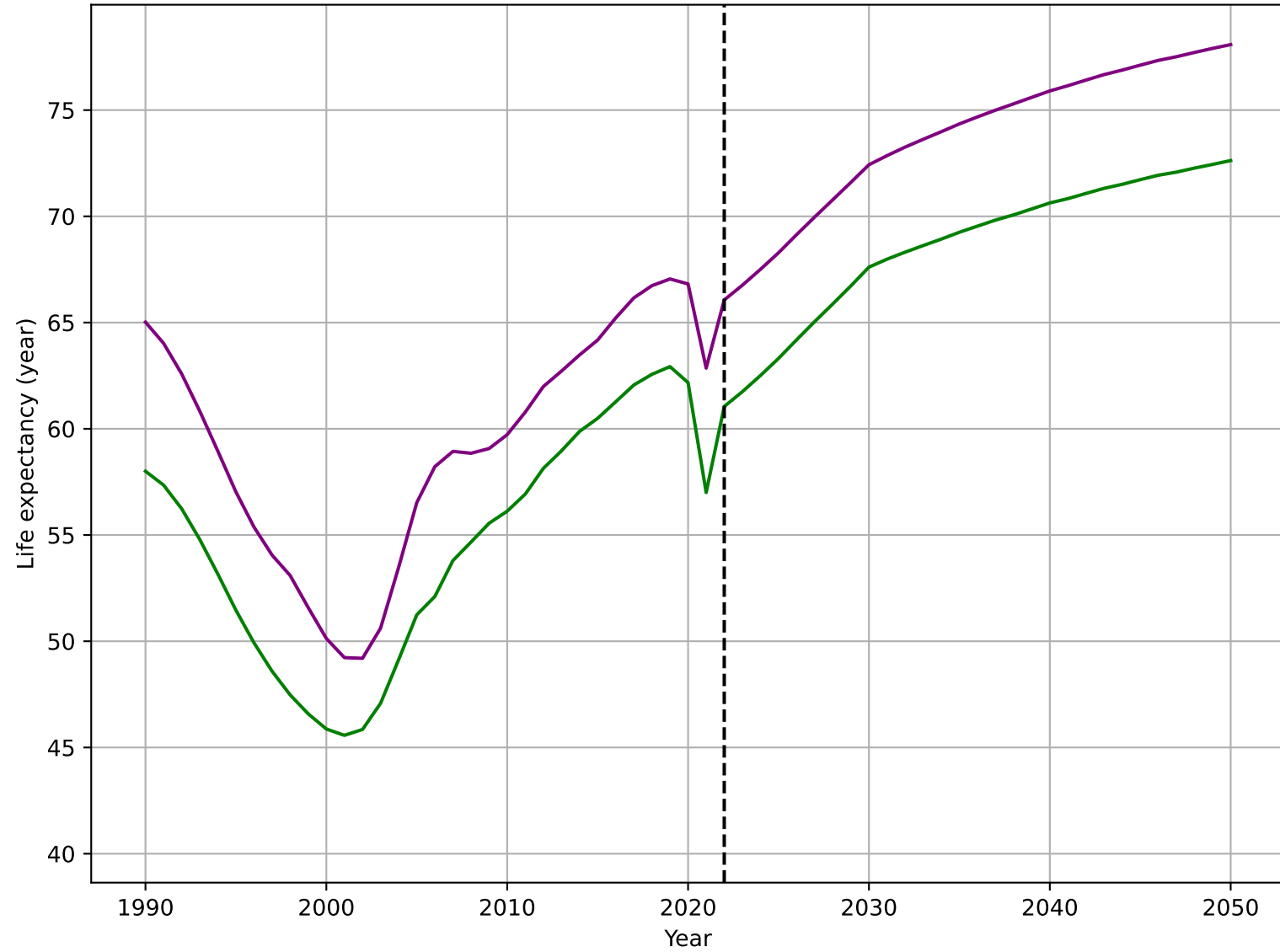


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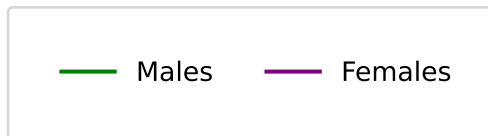
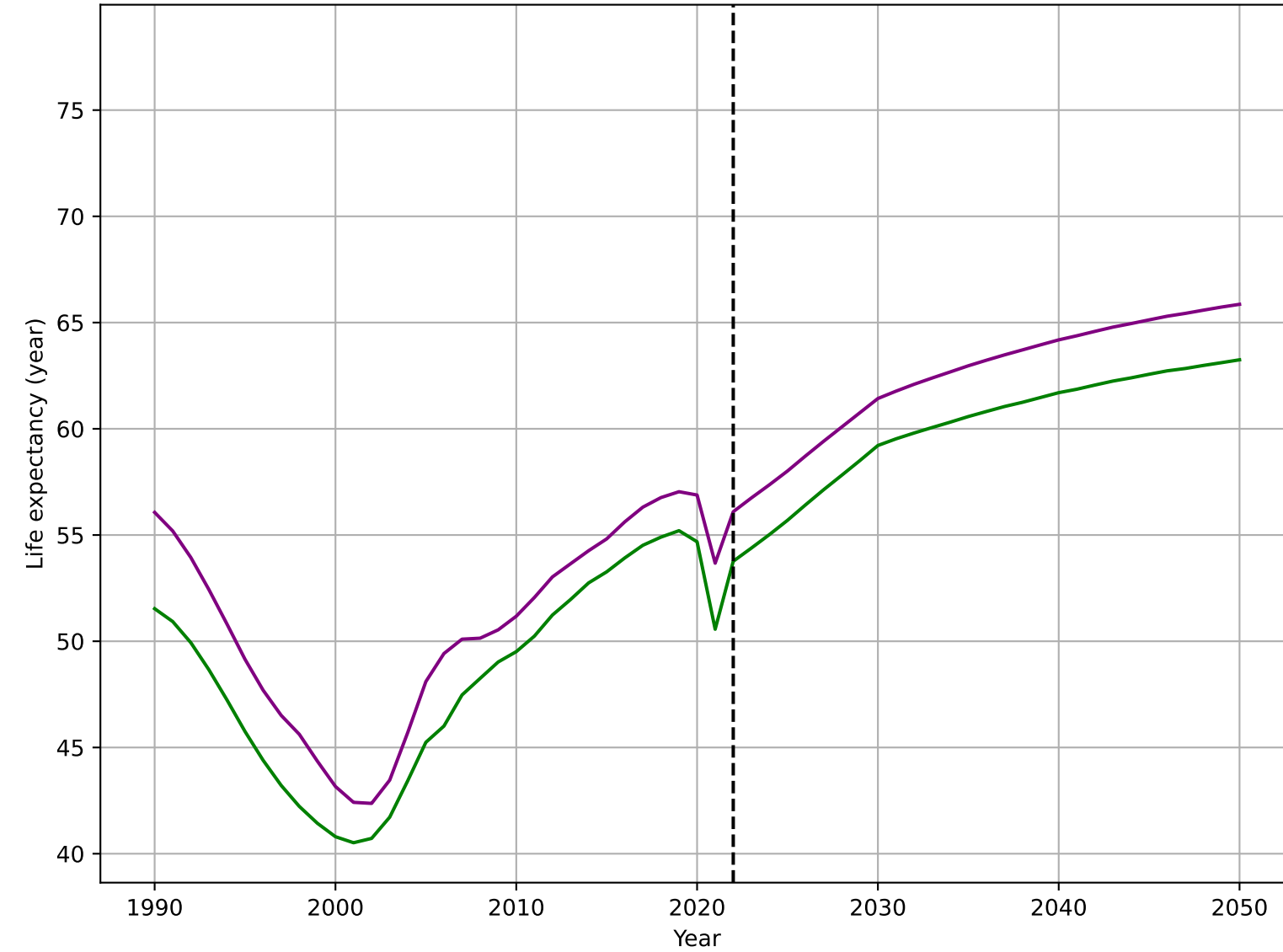


# Botswana

### Life Expectancy



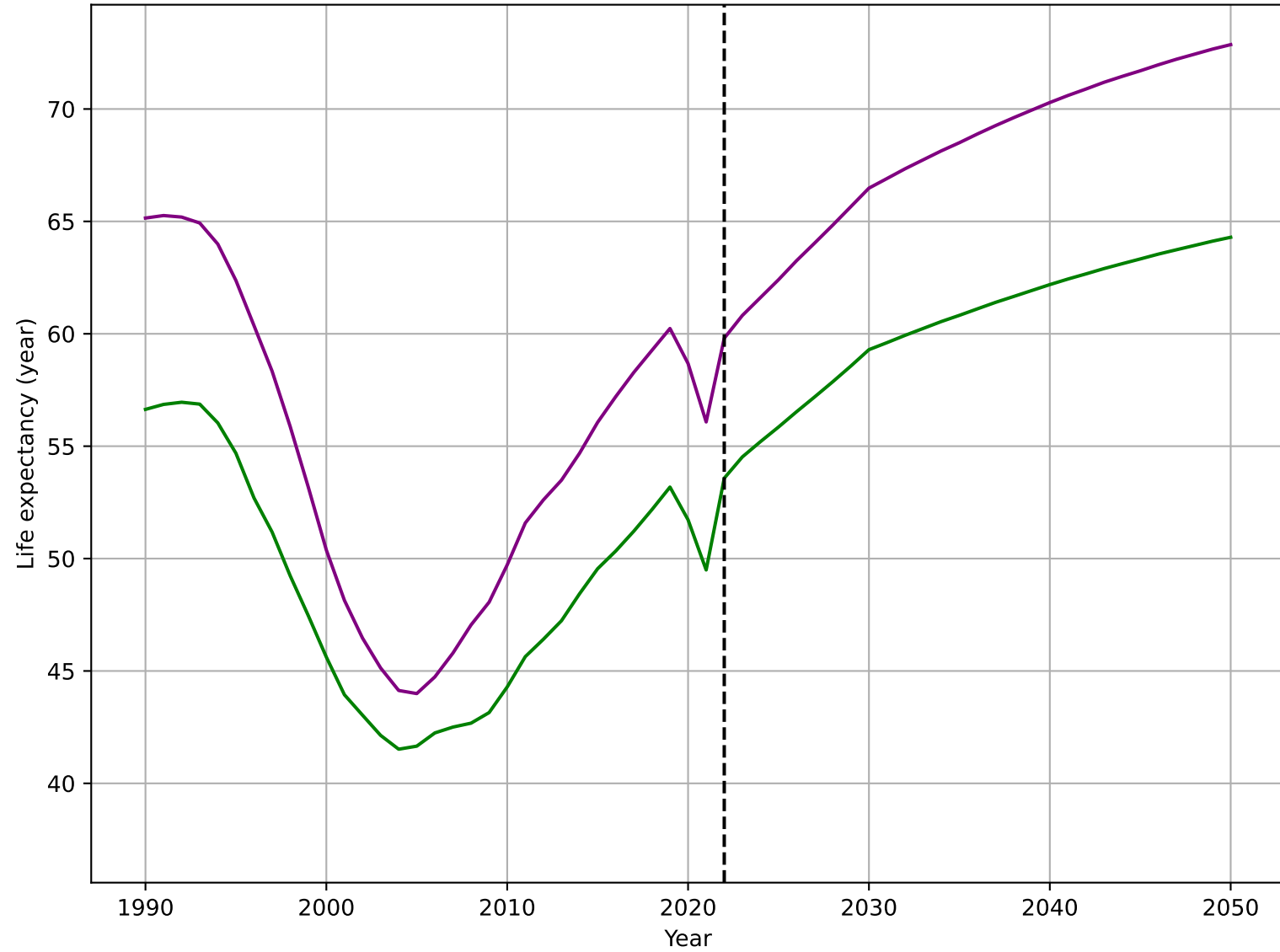
### Healthy Life Expectancy (HALE)



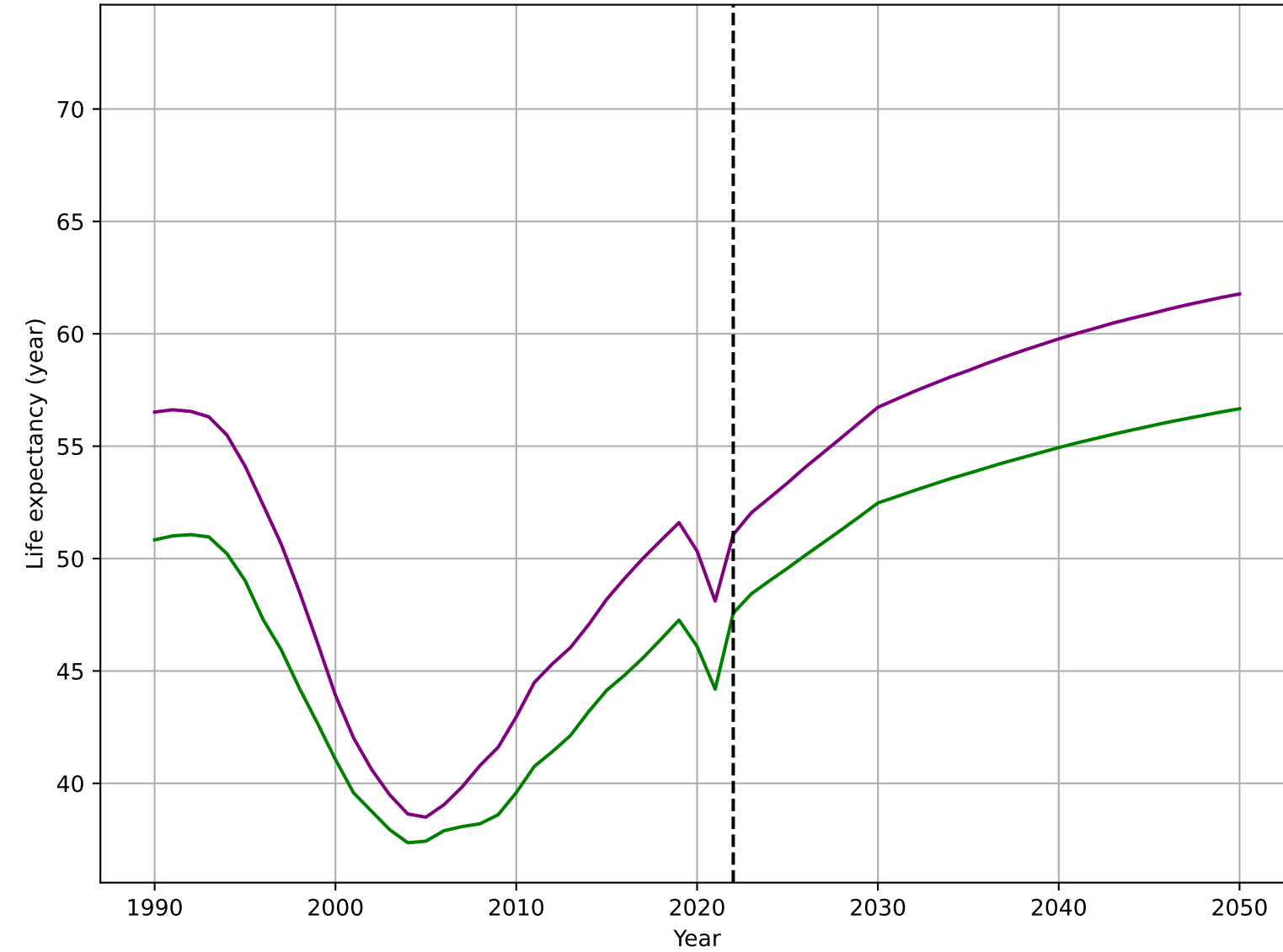


# Eswatini

## Life Expectancy

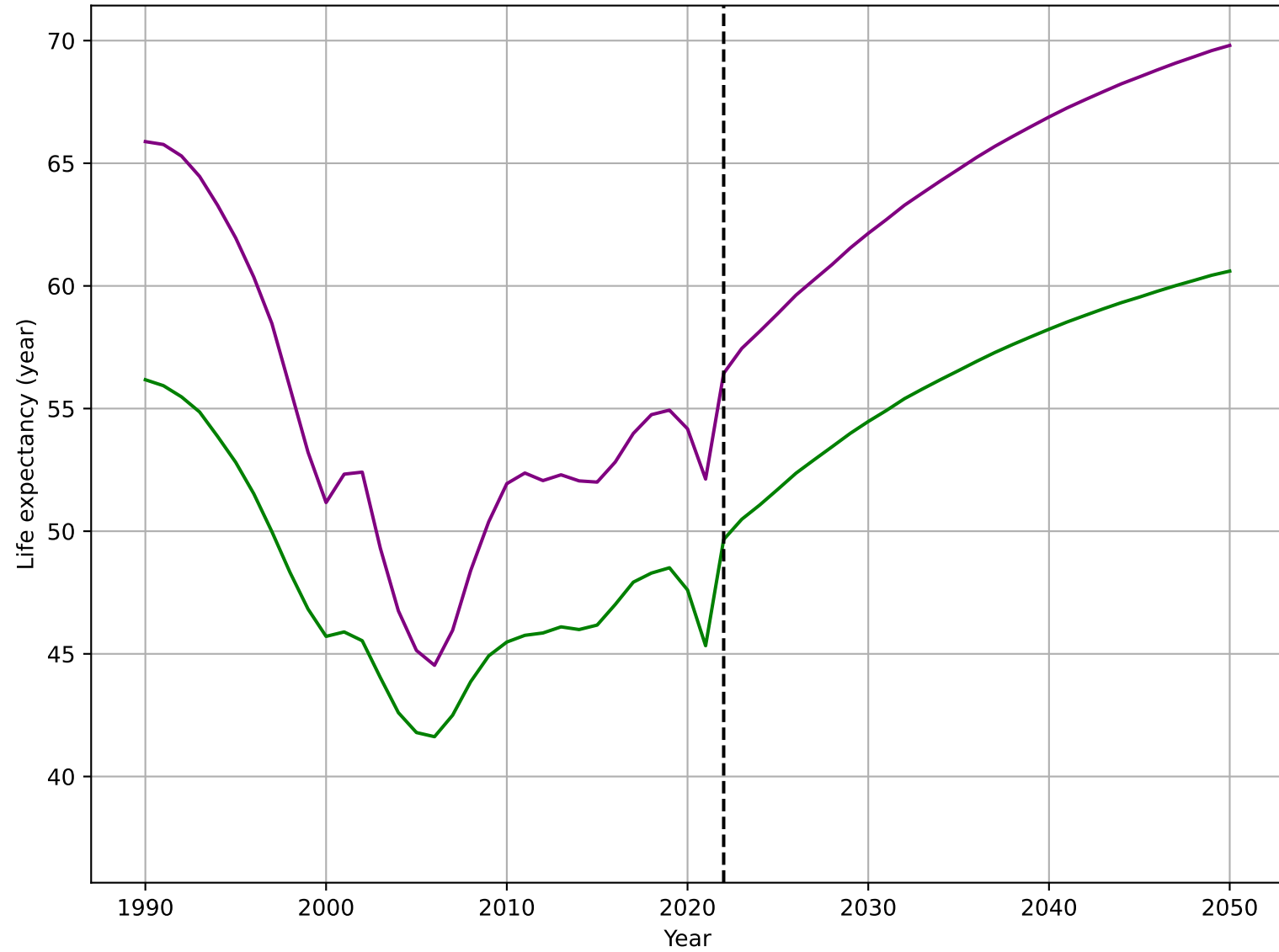


## Healthy Life Expectancy (HALE)

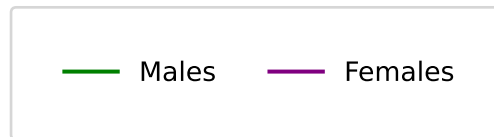
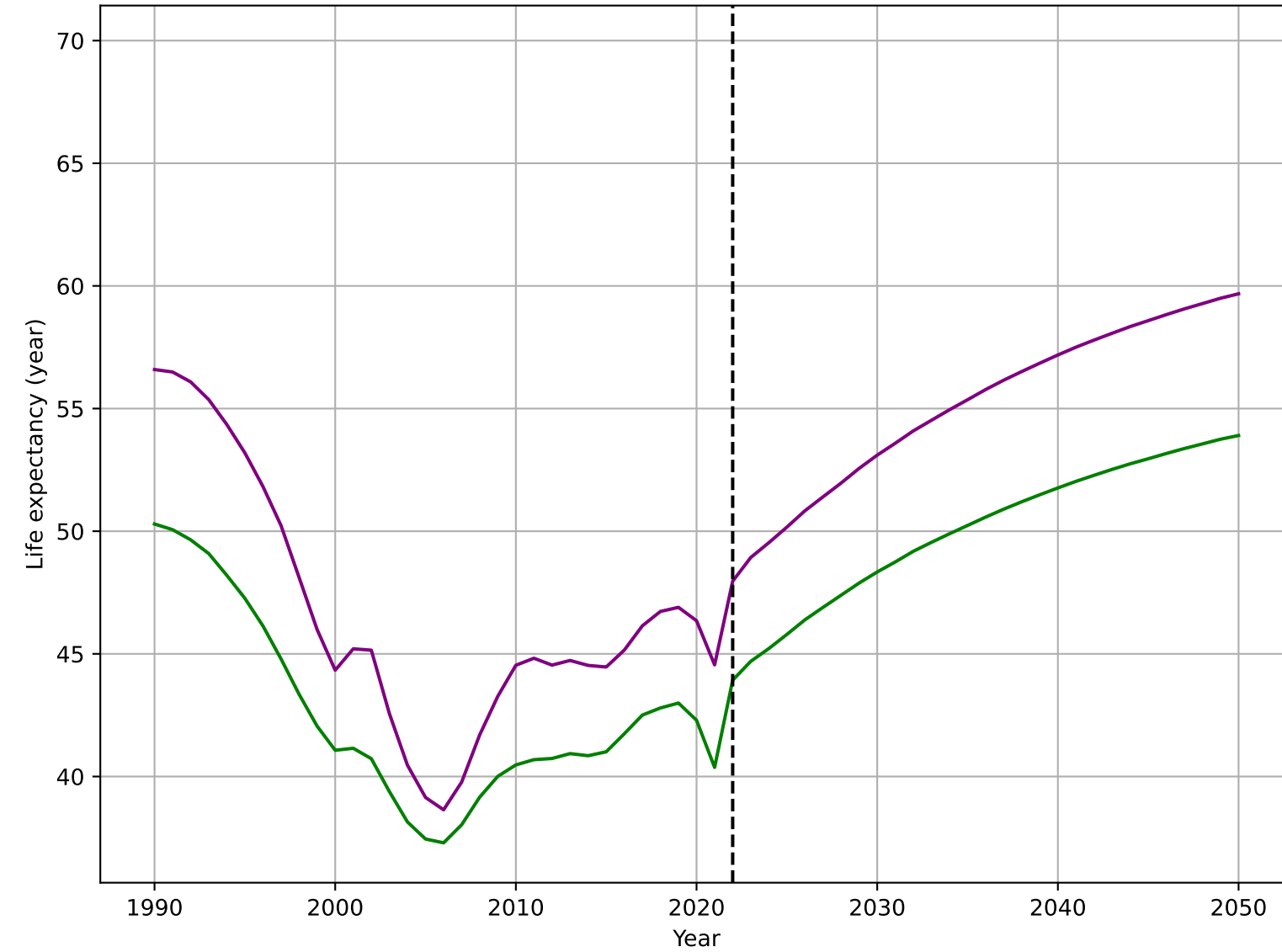


# Lesotho

### Life Expectancy

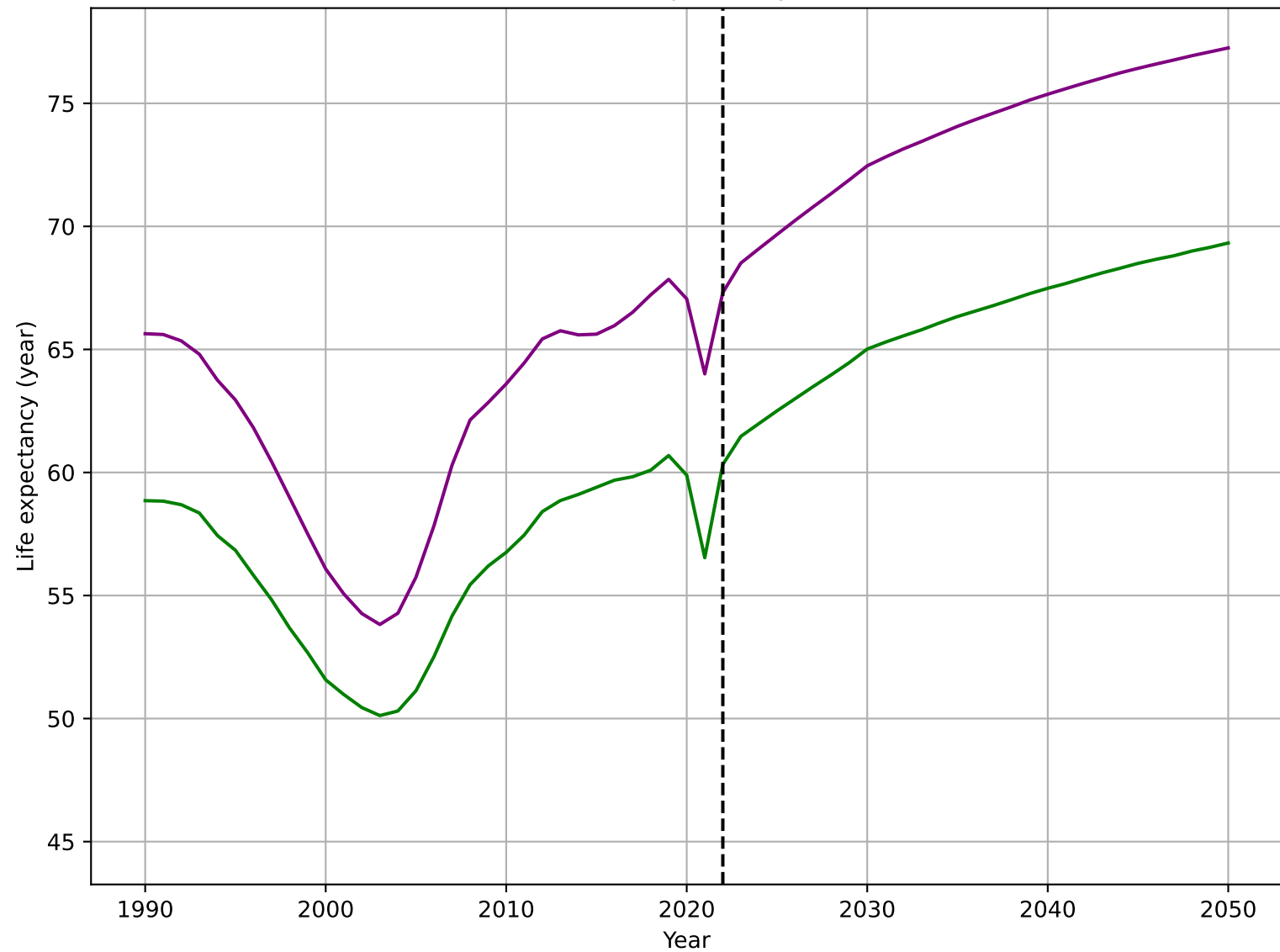


### Healthy Life Expectancy (HALE)

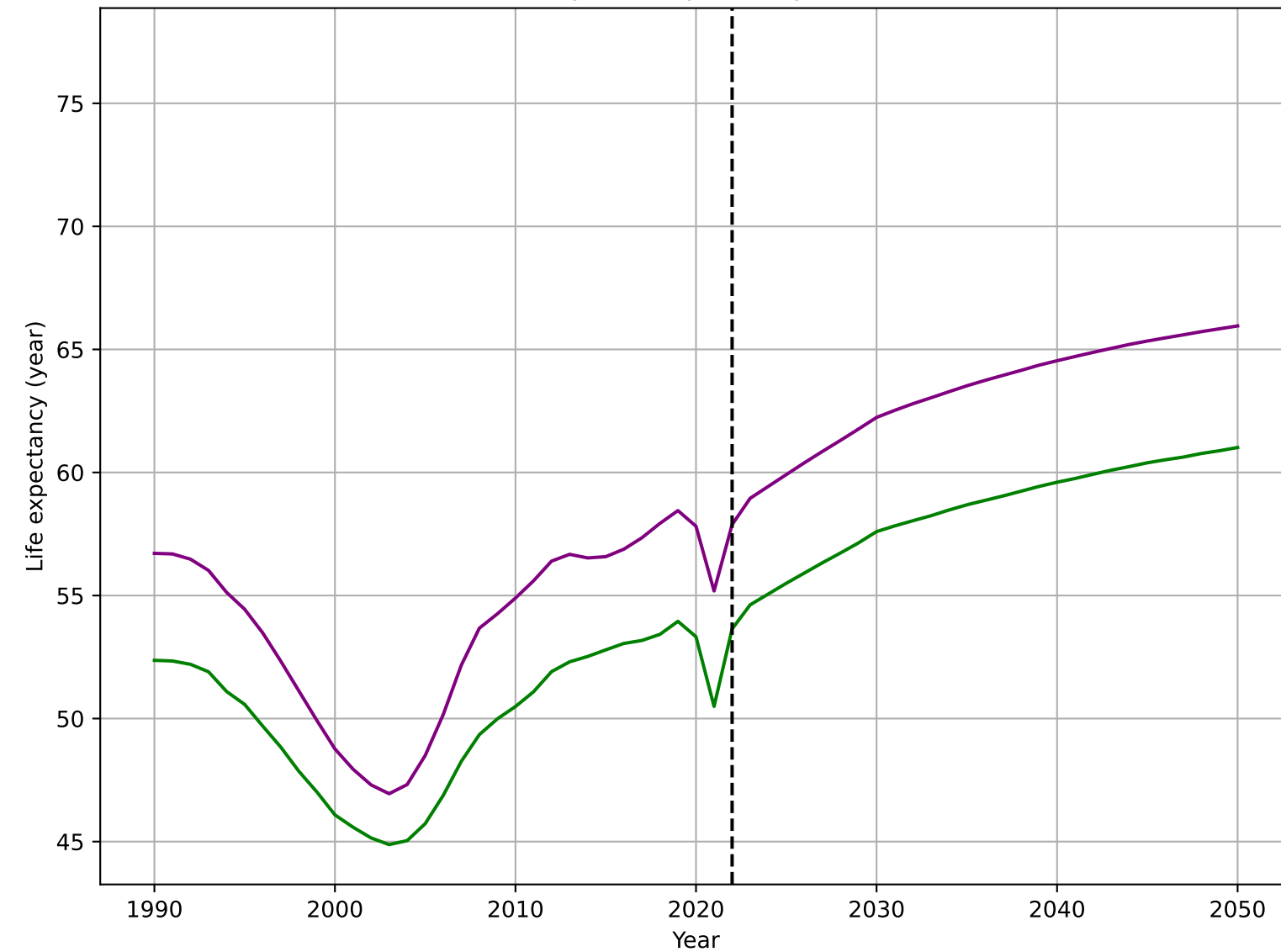


# Namibia

## Life Expectancy

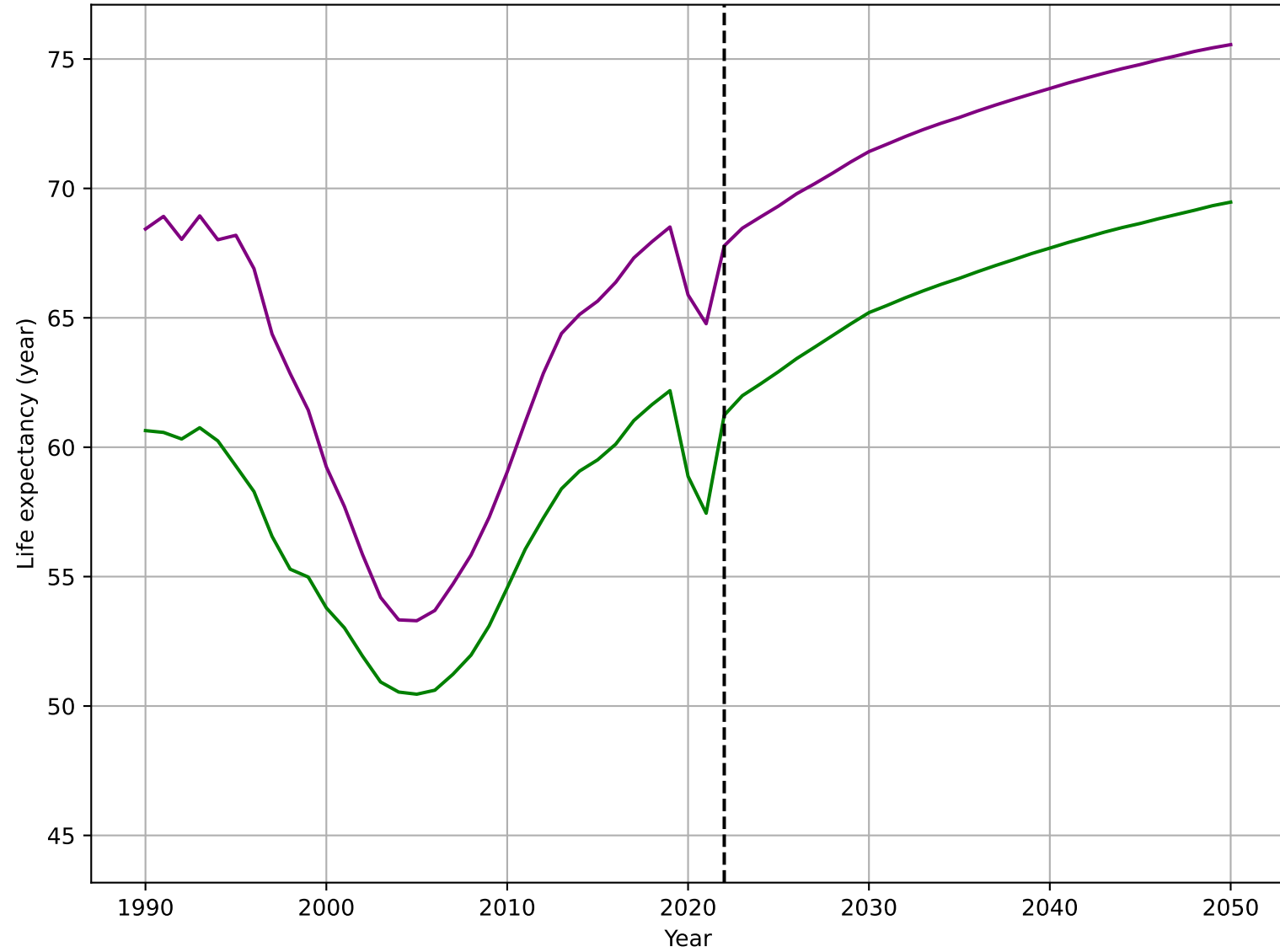


## Healthy Life Expectancy (HALE)

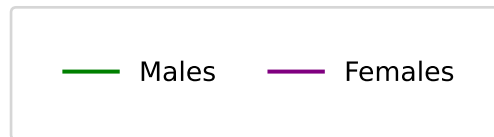
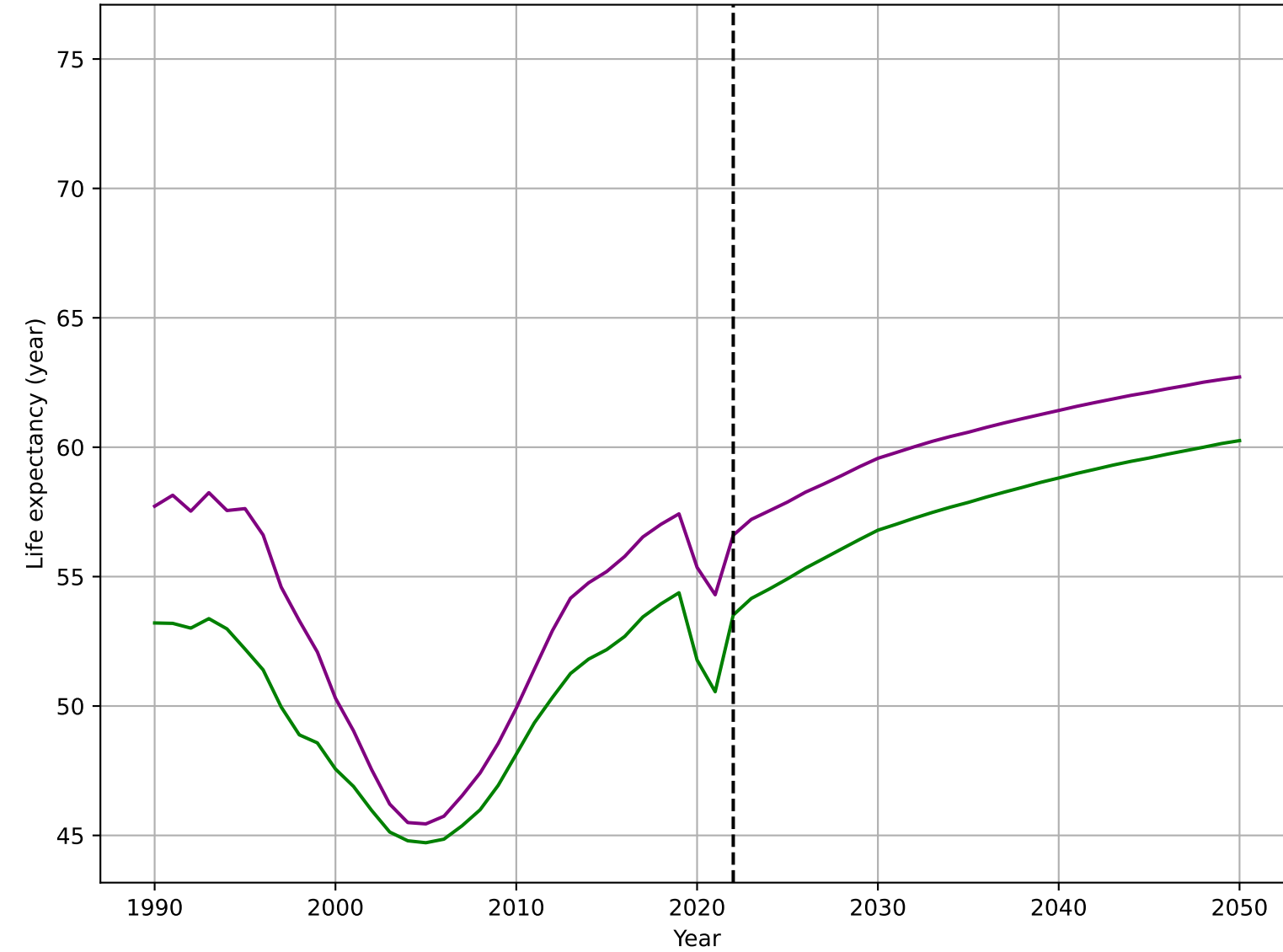


# South Africa

### Life Expectancy

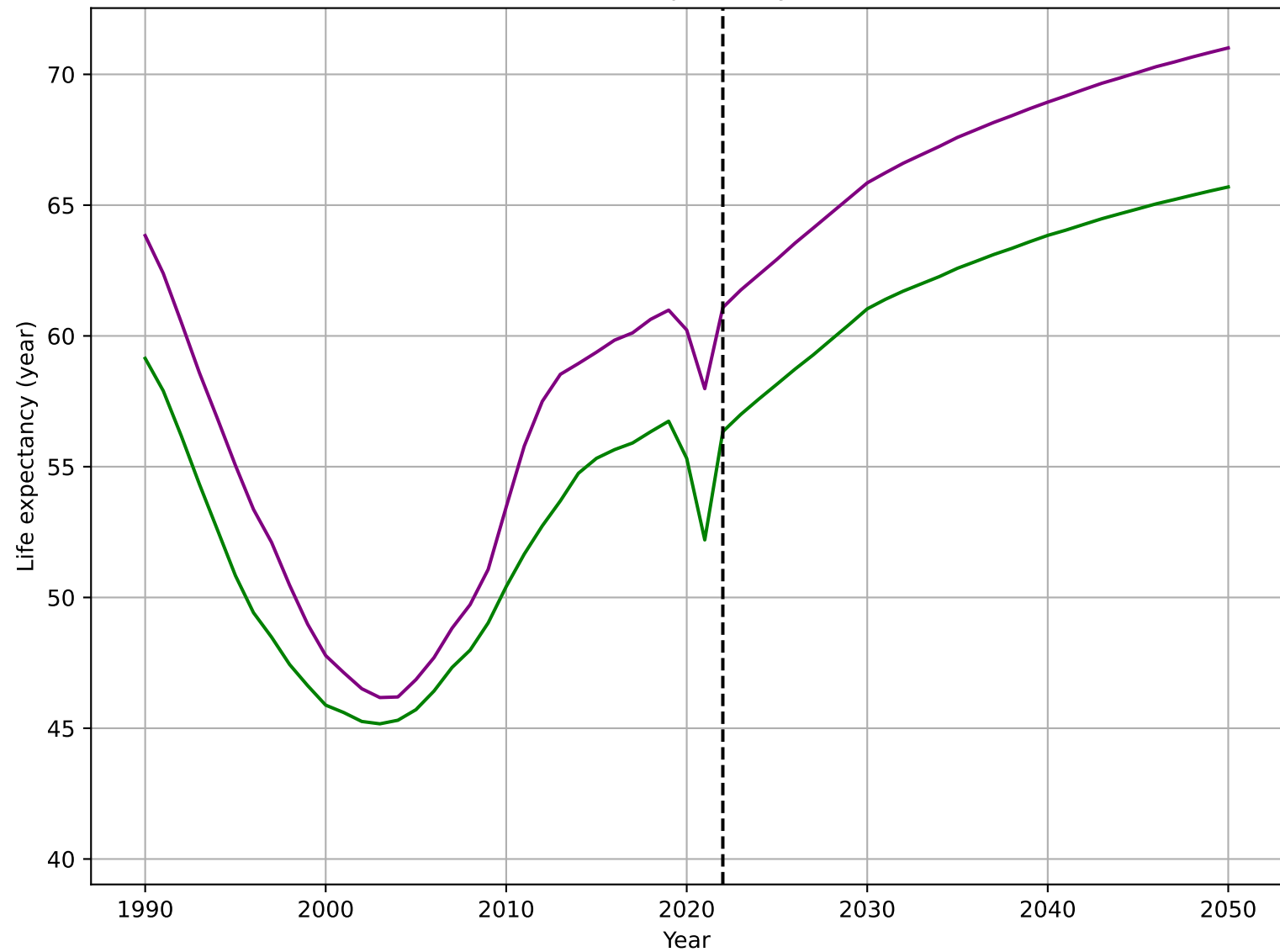


### Healthy Life Expectancy (HALE)

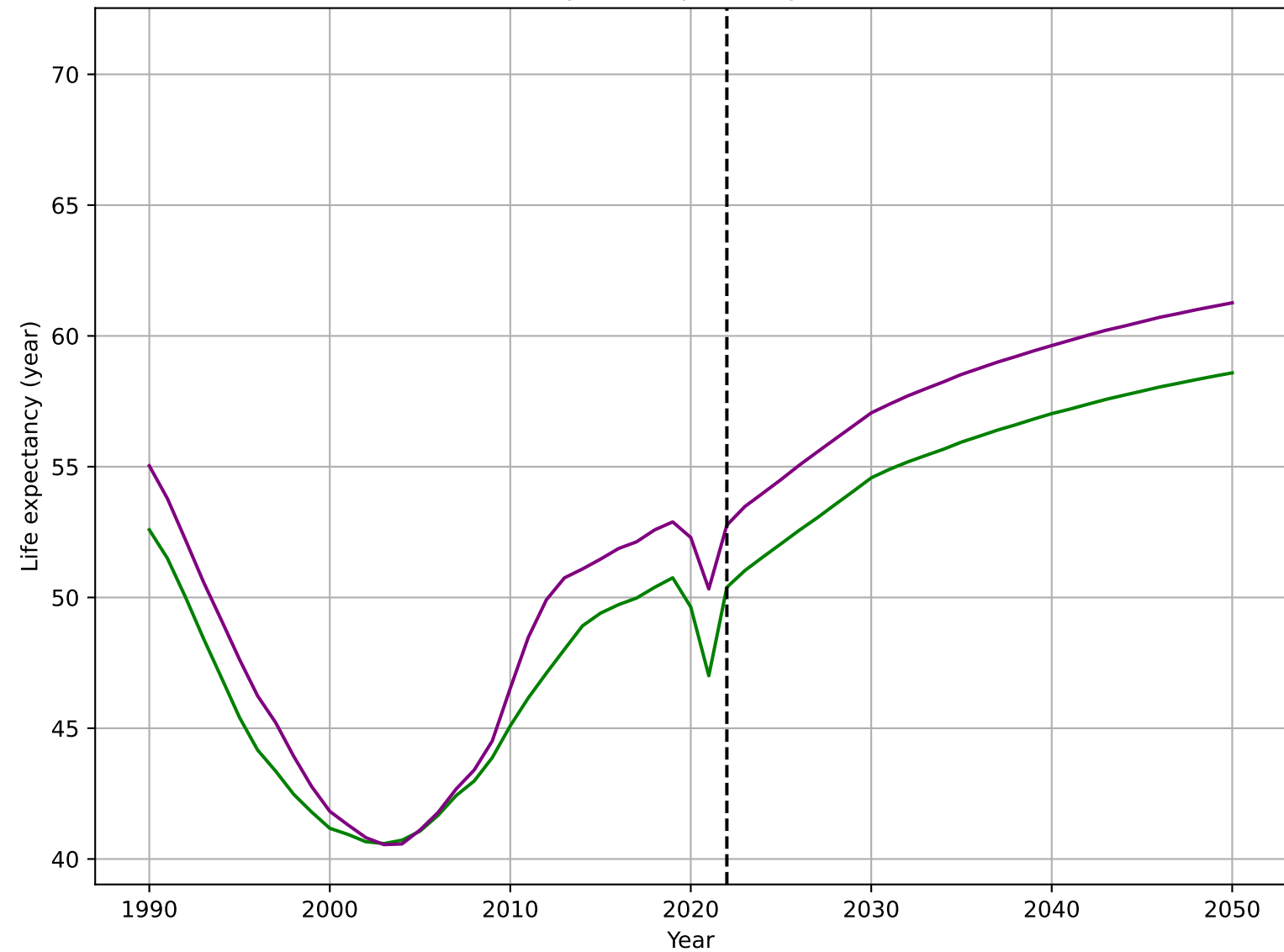


# Zimbabwe

### Life Expectancy

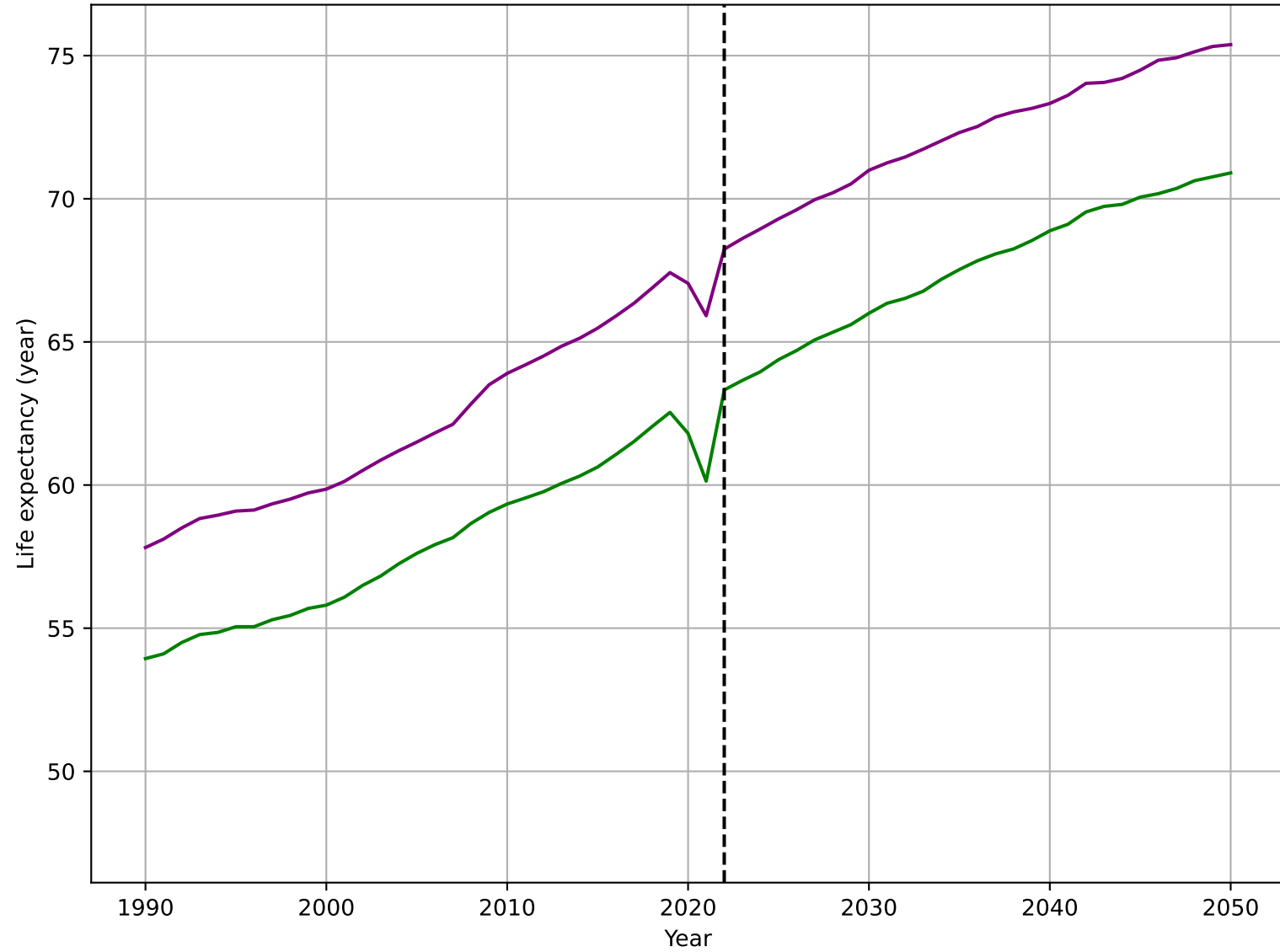


### Healthy Life Expectancy (HALE)

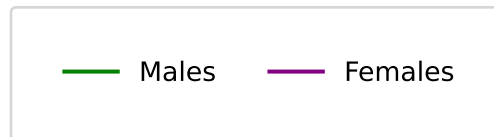
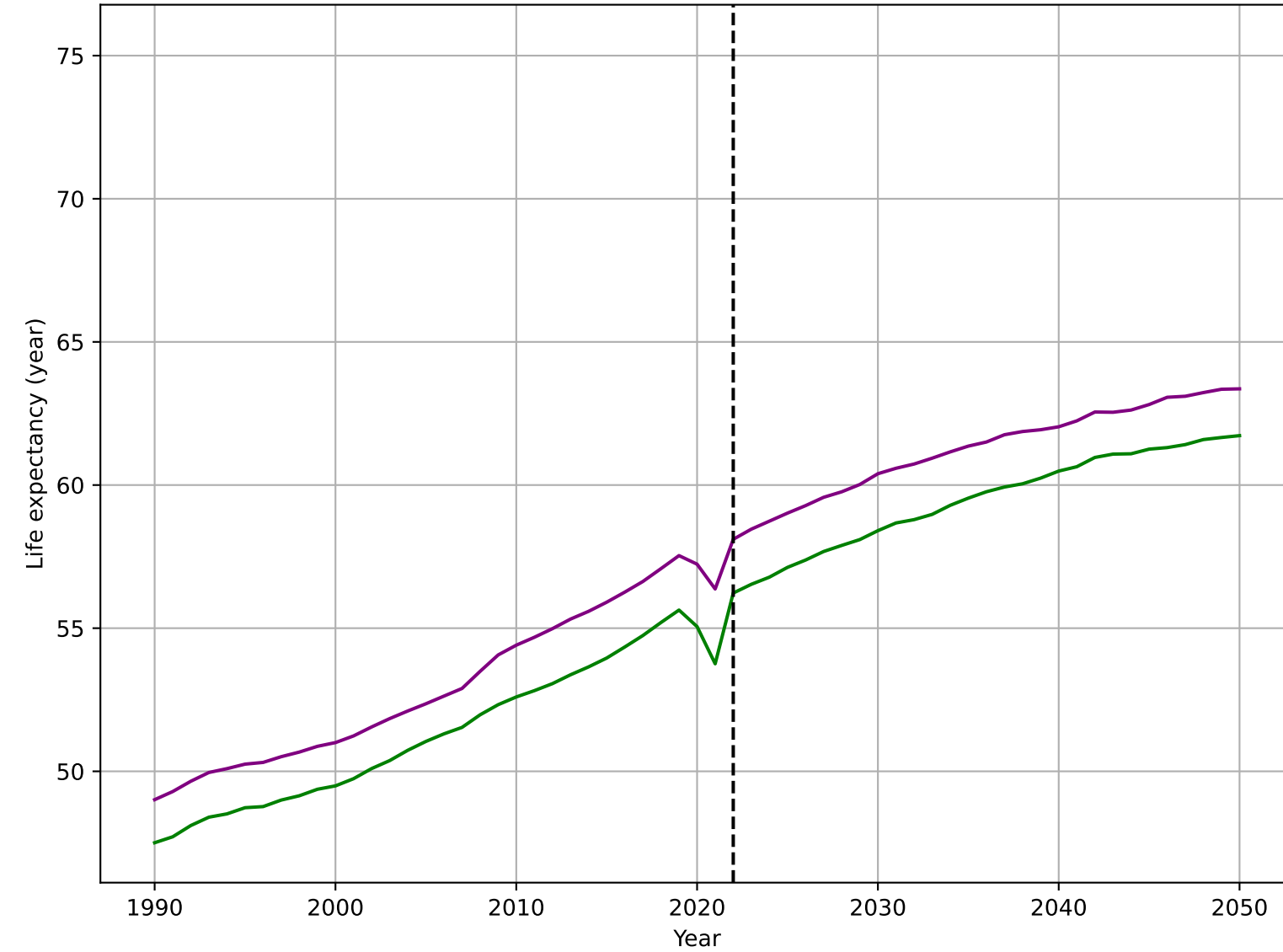


# Benin

### Life Expectancy

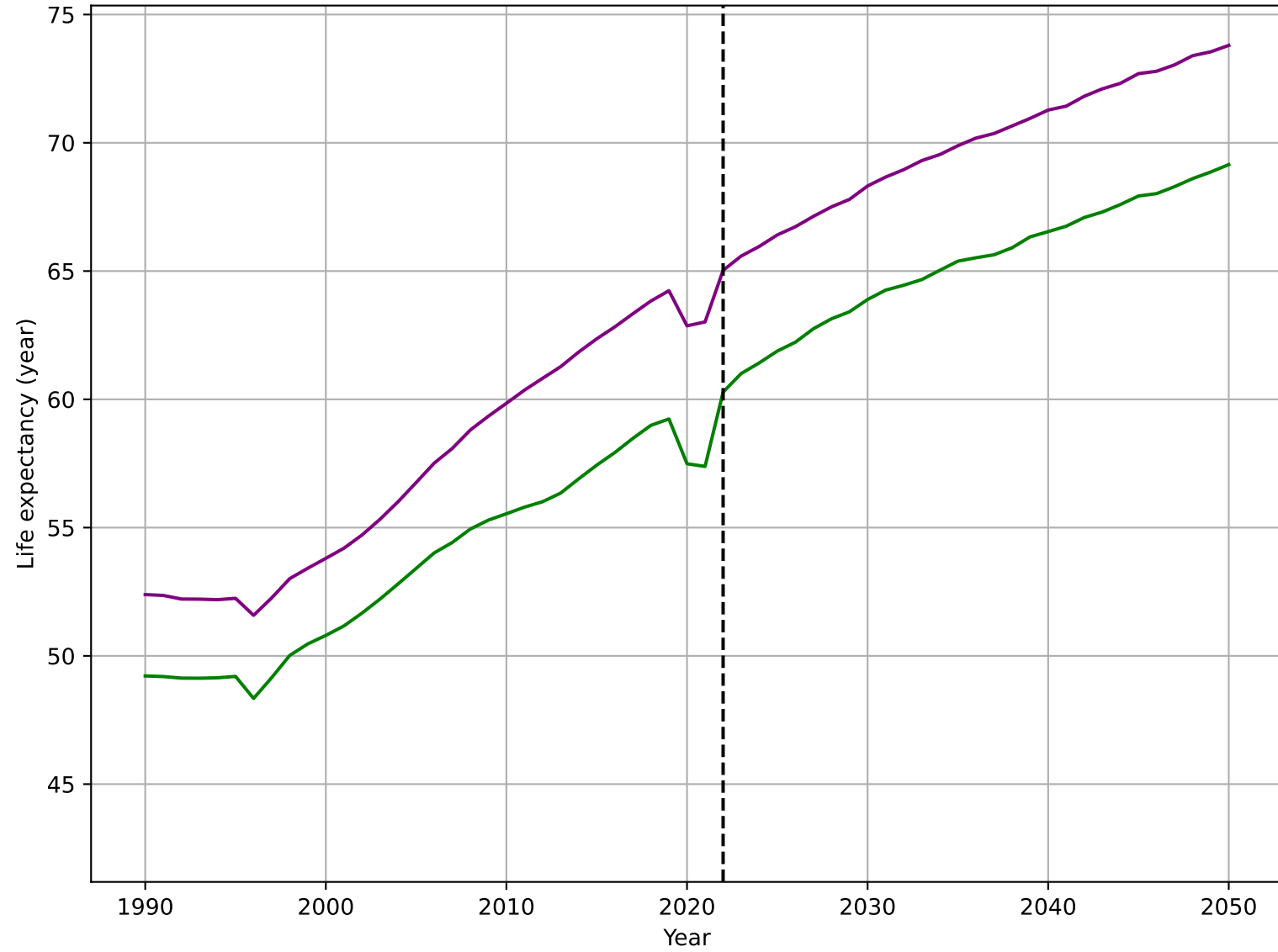


### Healthy Life Expectancy (HALE)

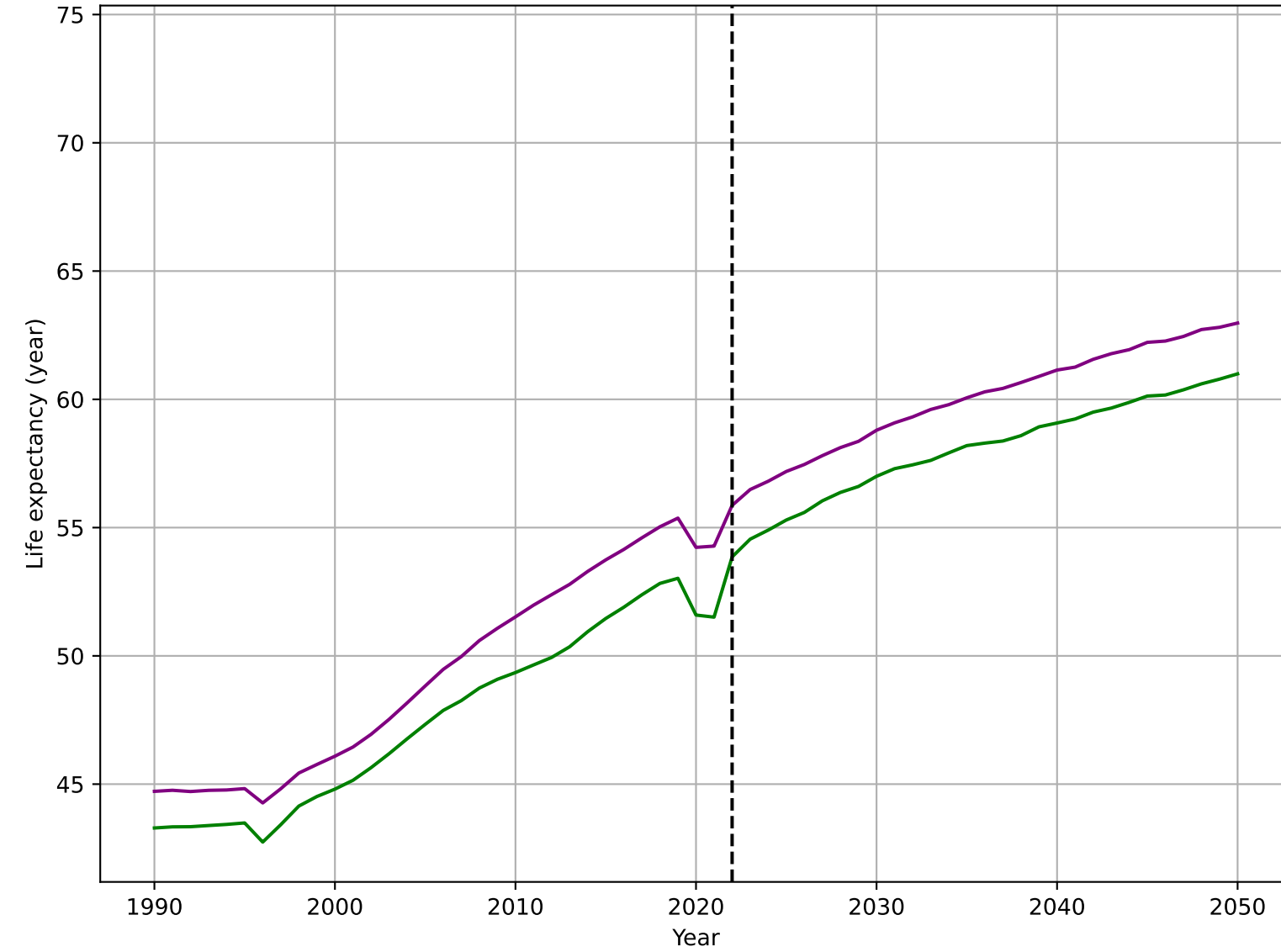


# Burkina Faso

## Life Expectancy

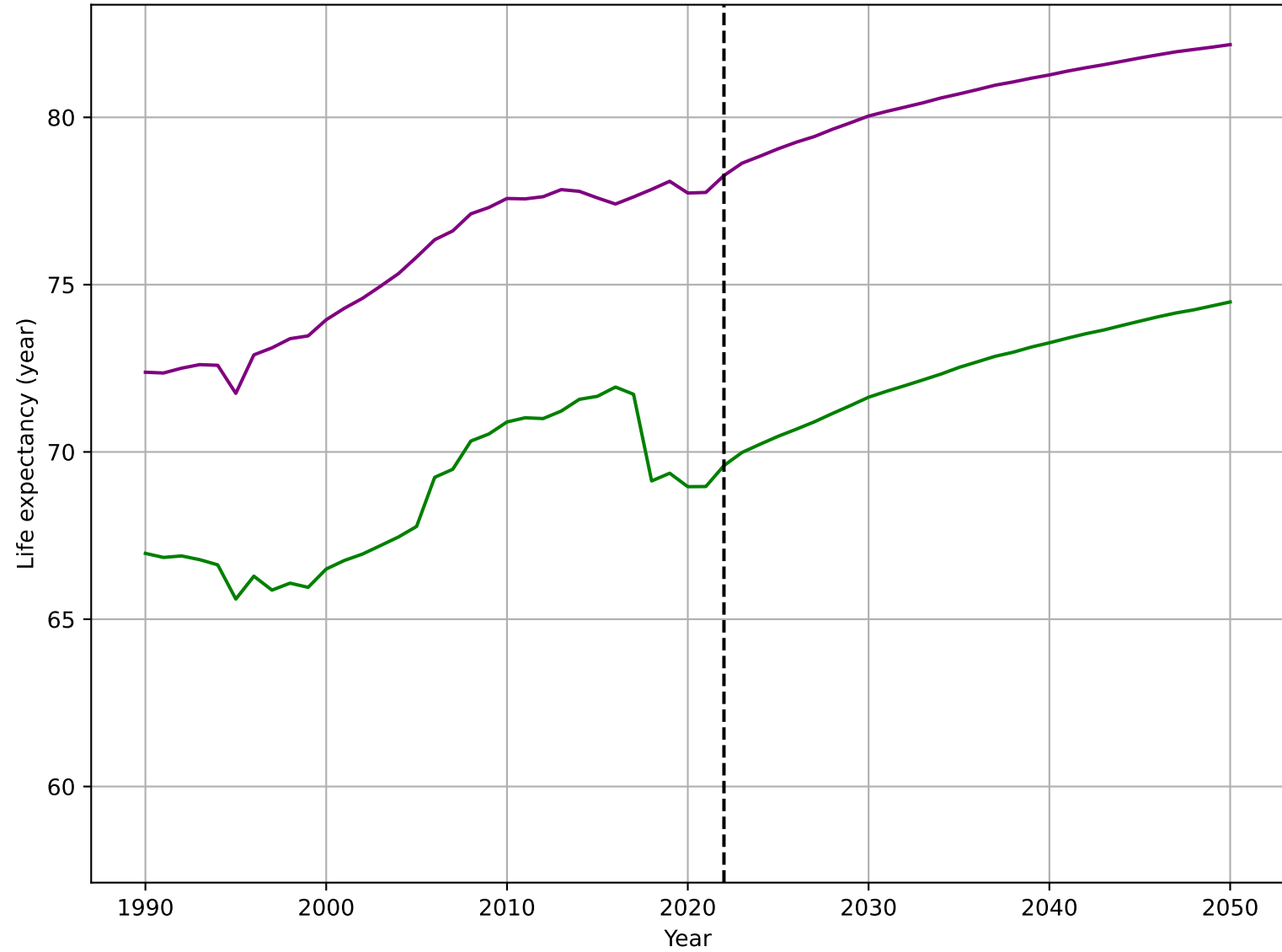


## Healthy Life Expectancy (HALE)

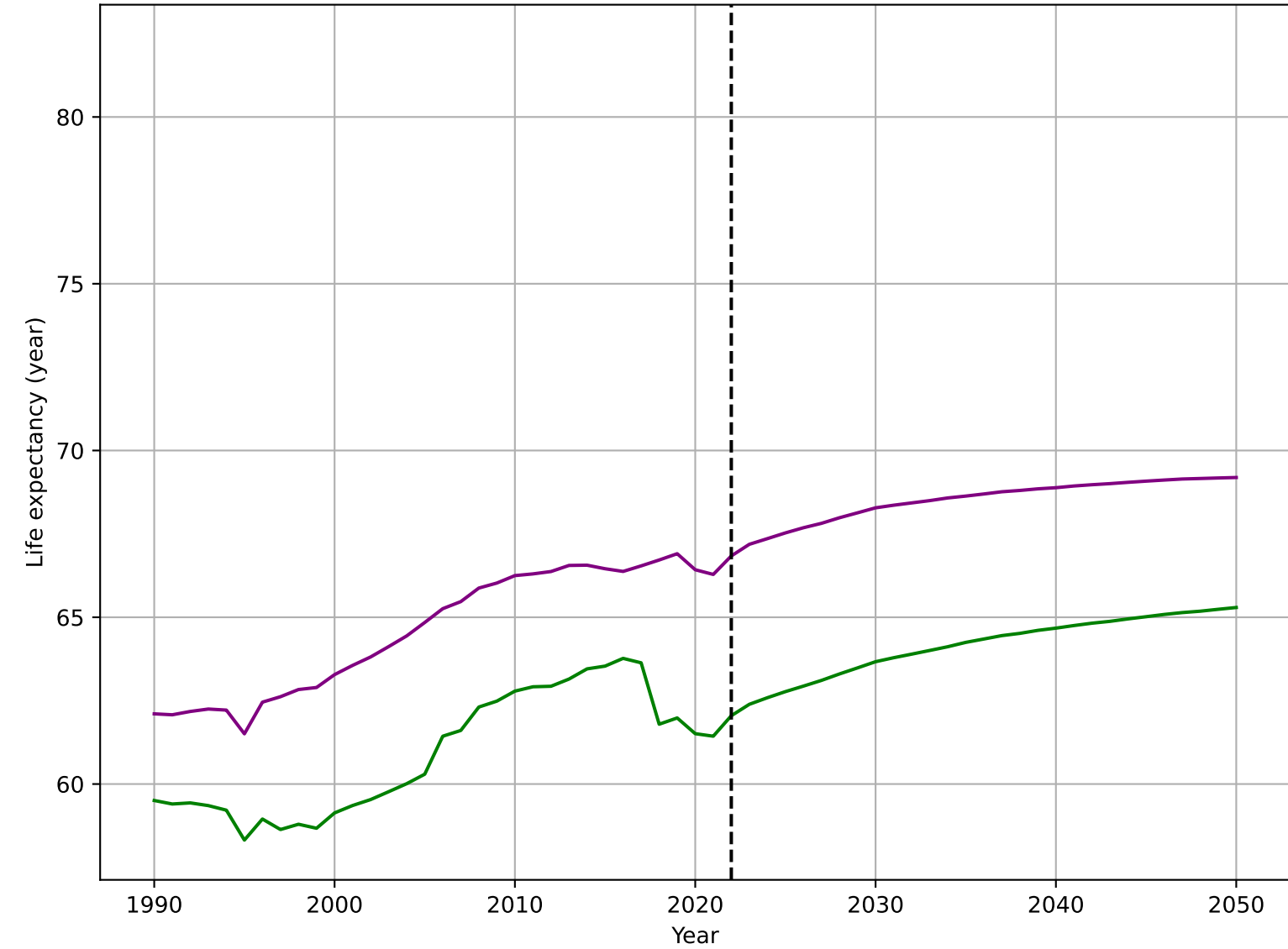


# Cabo Verde

### Life Expectancy



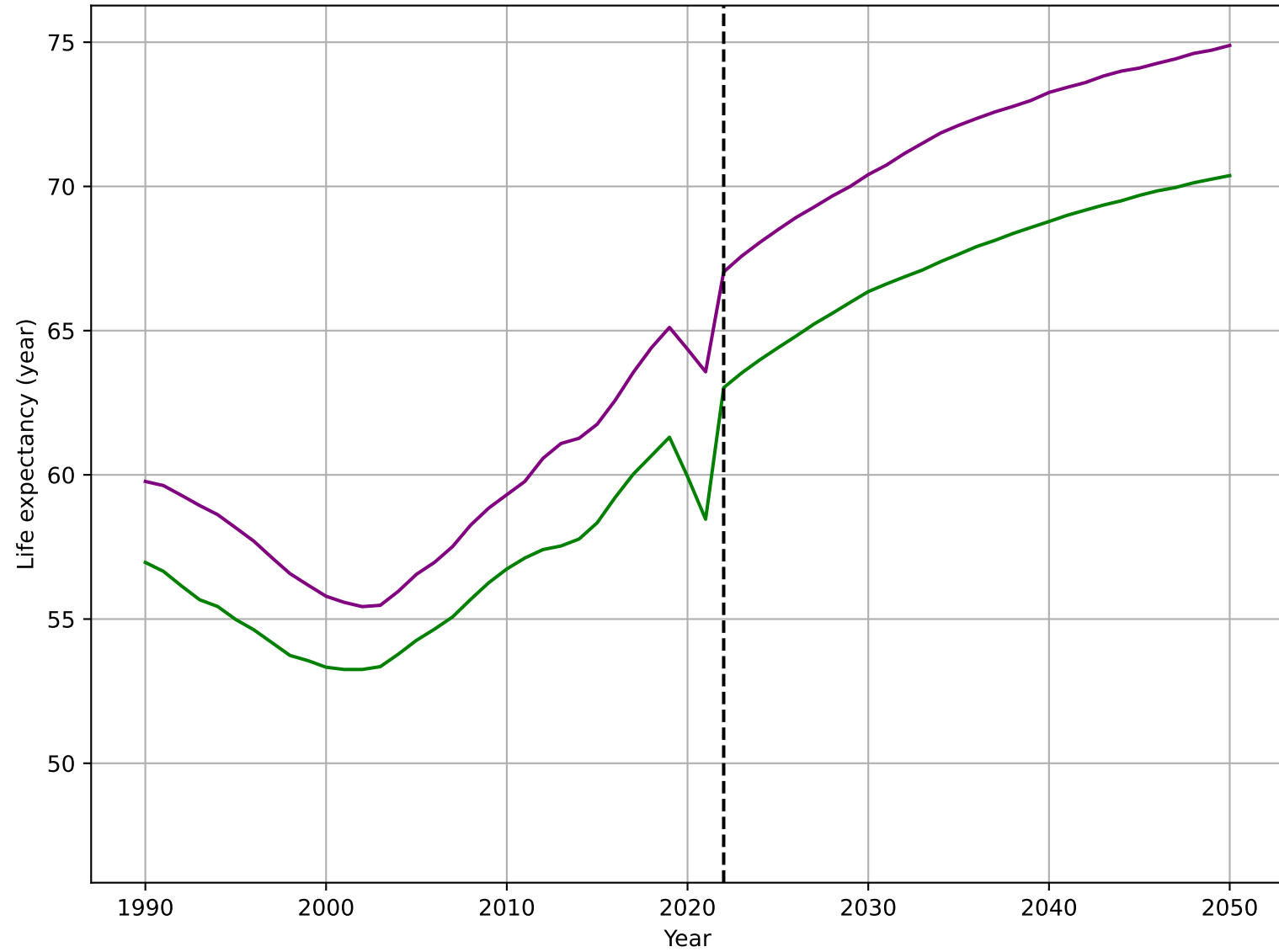
### Healthy Life Expectancy (HALE)



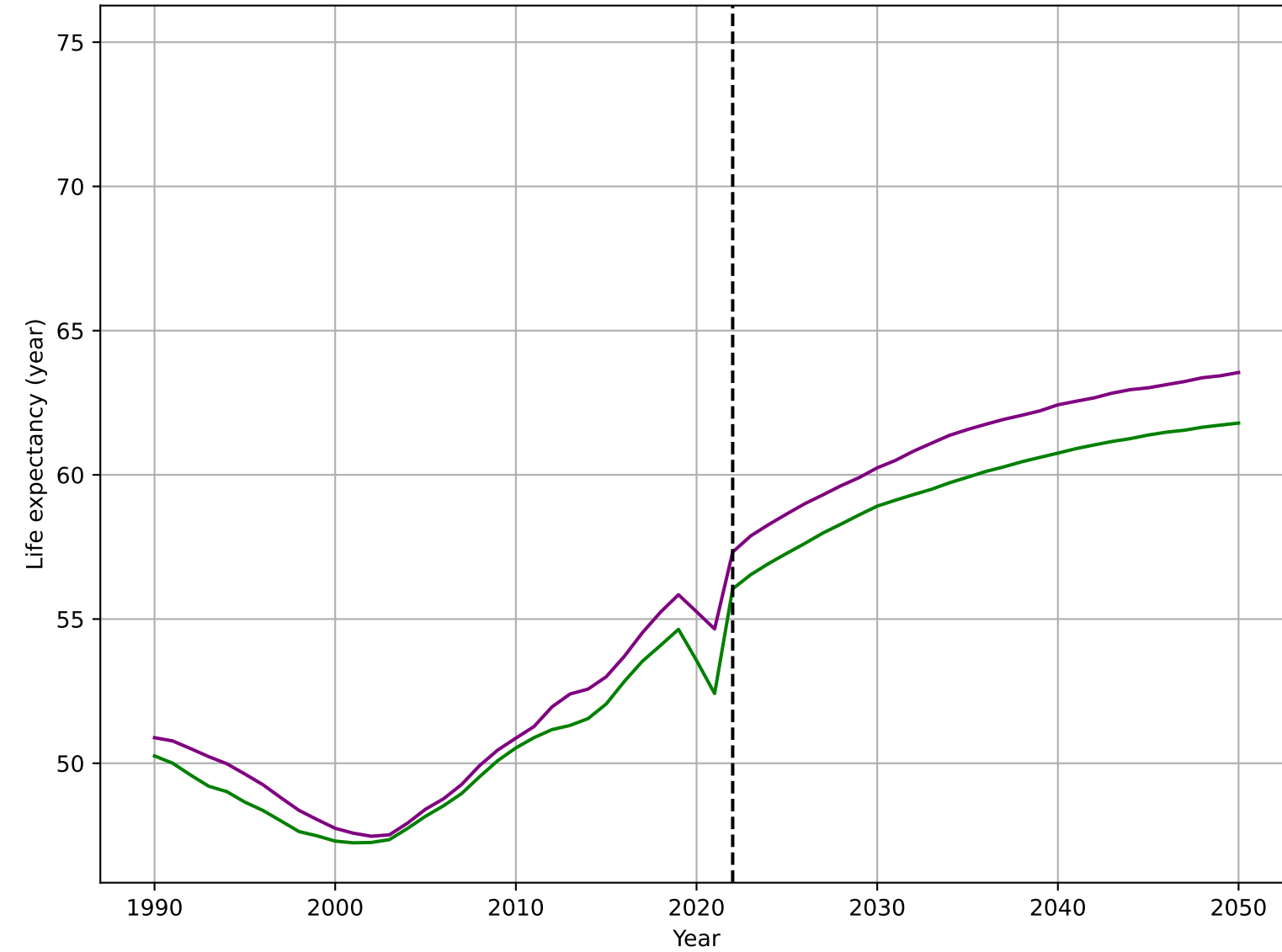


# Cameroon

### Life Expectancy

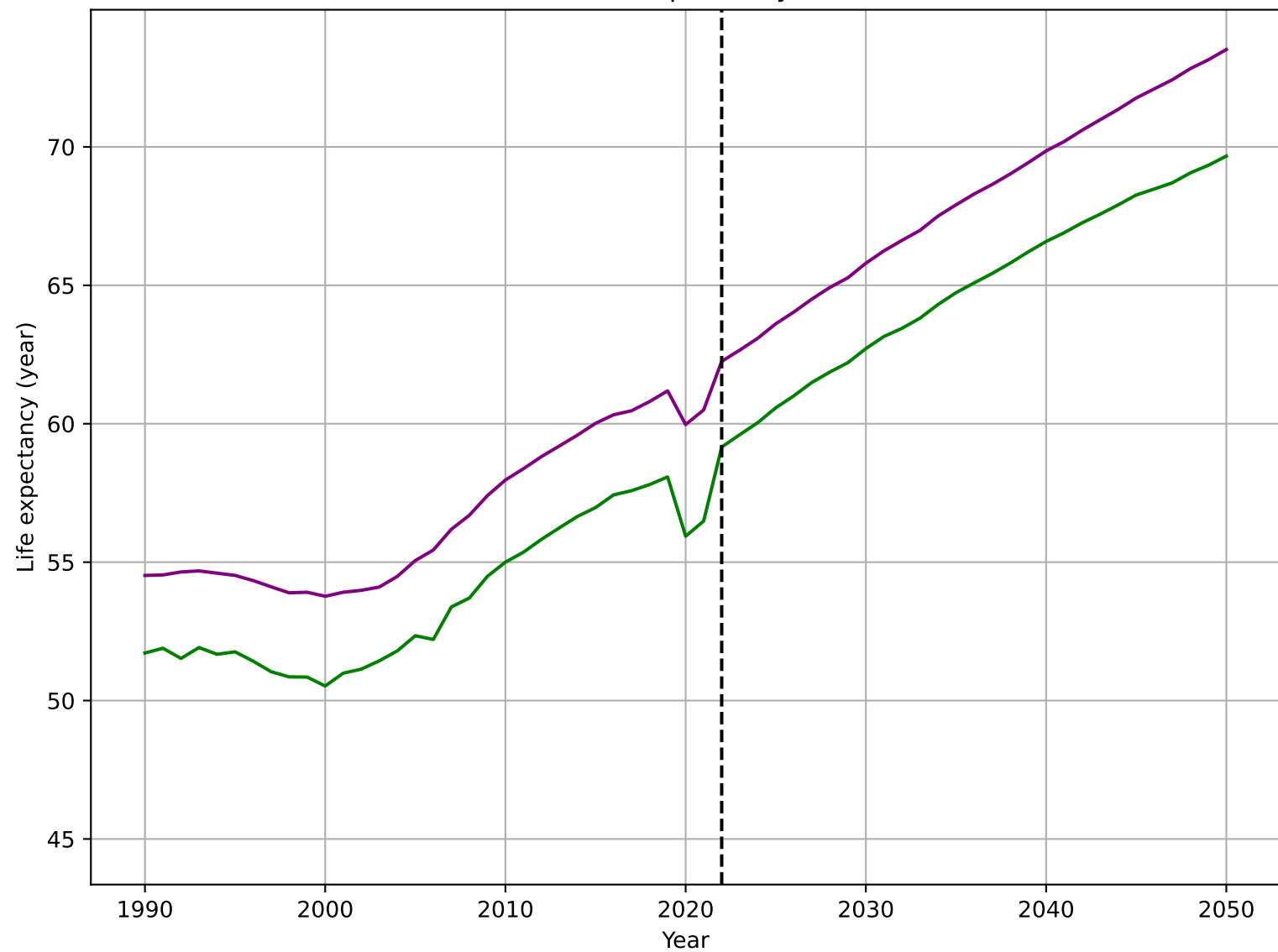


### Healthy Life Expectancy (HALE)

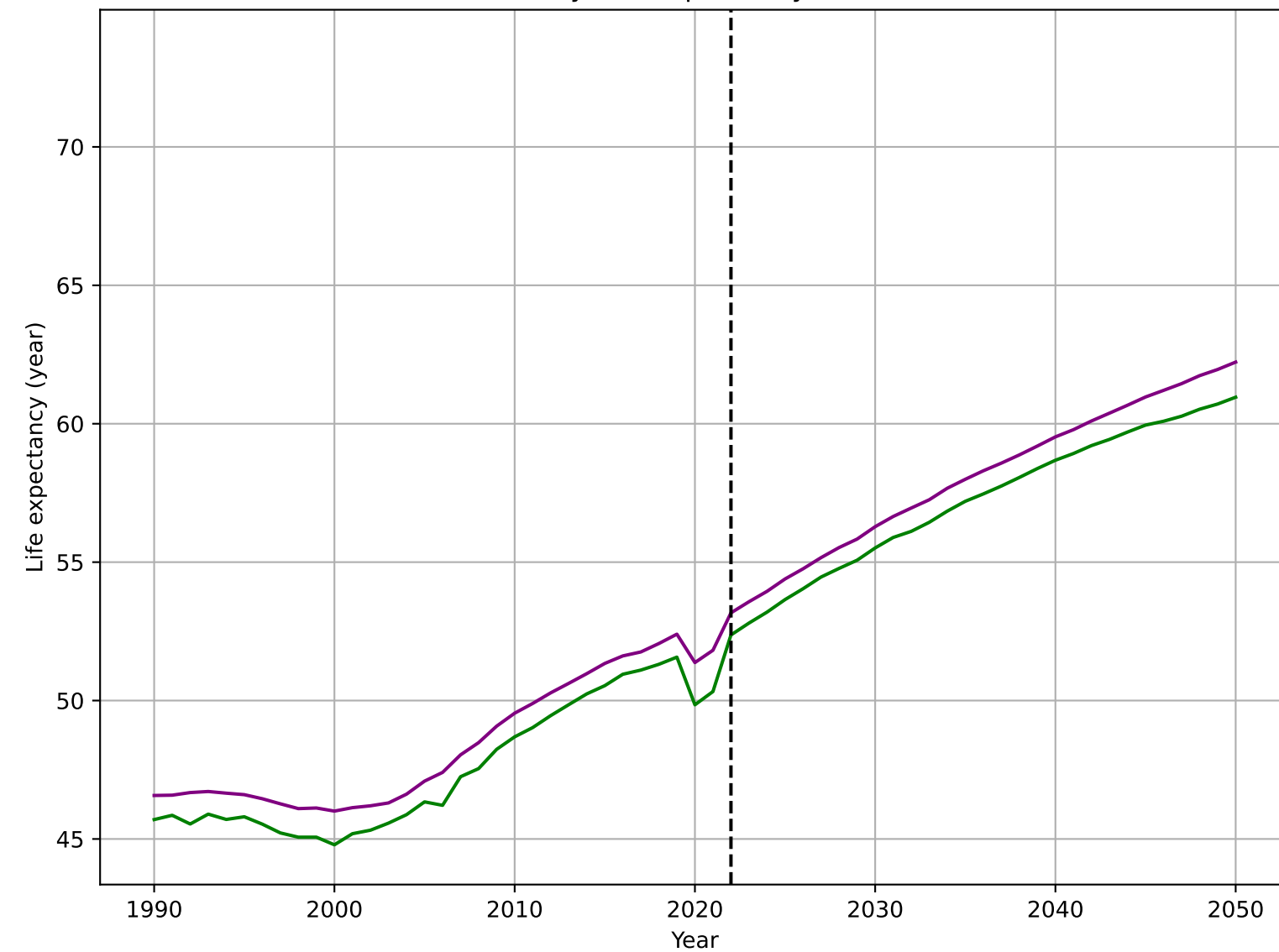


# Chad

## Life Expectancy

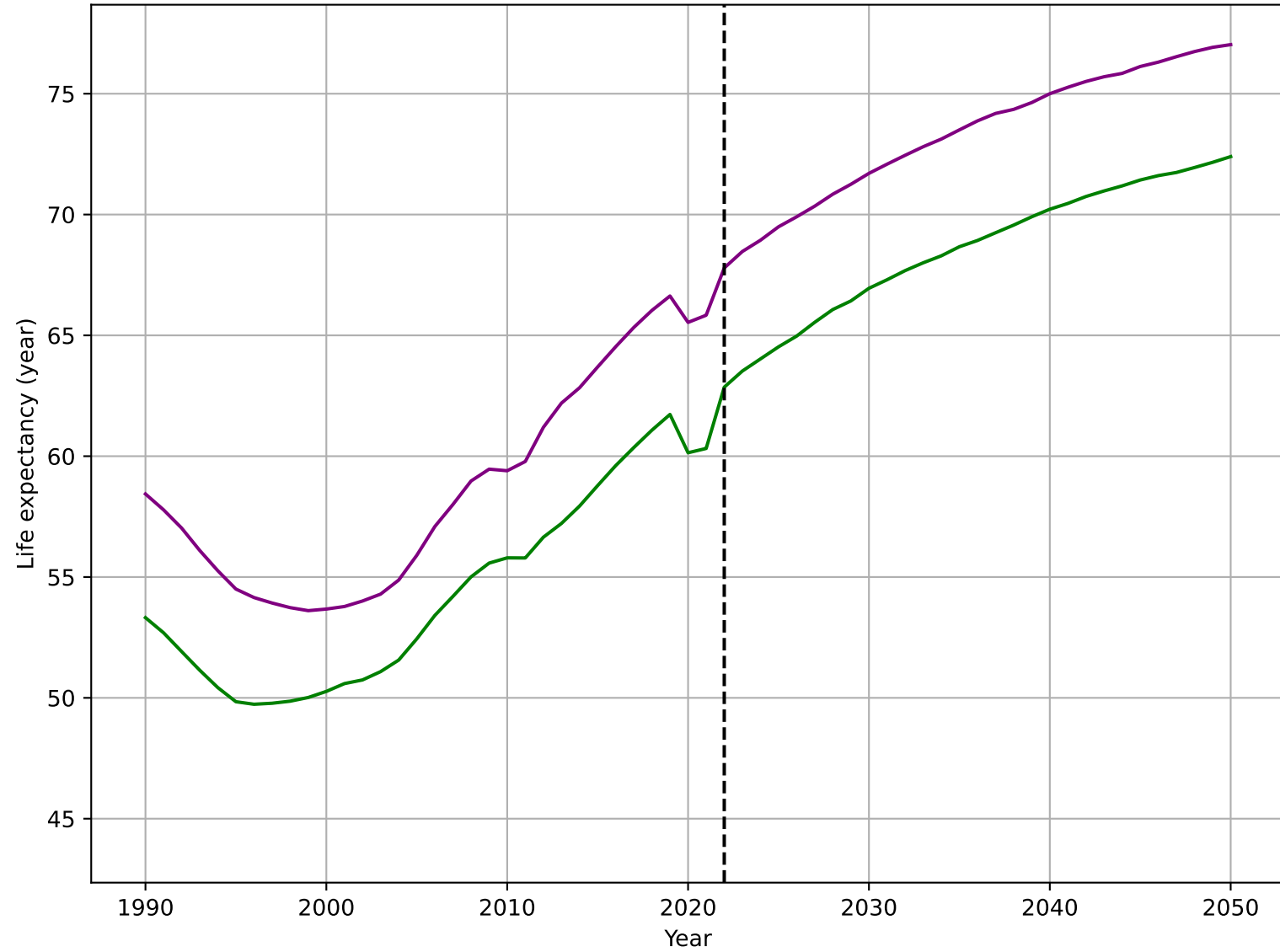


## Healthy Life Expectancy (HALE)

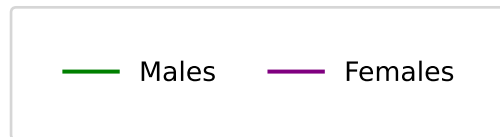
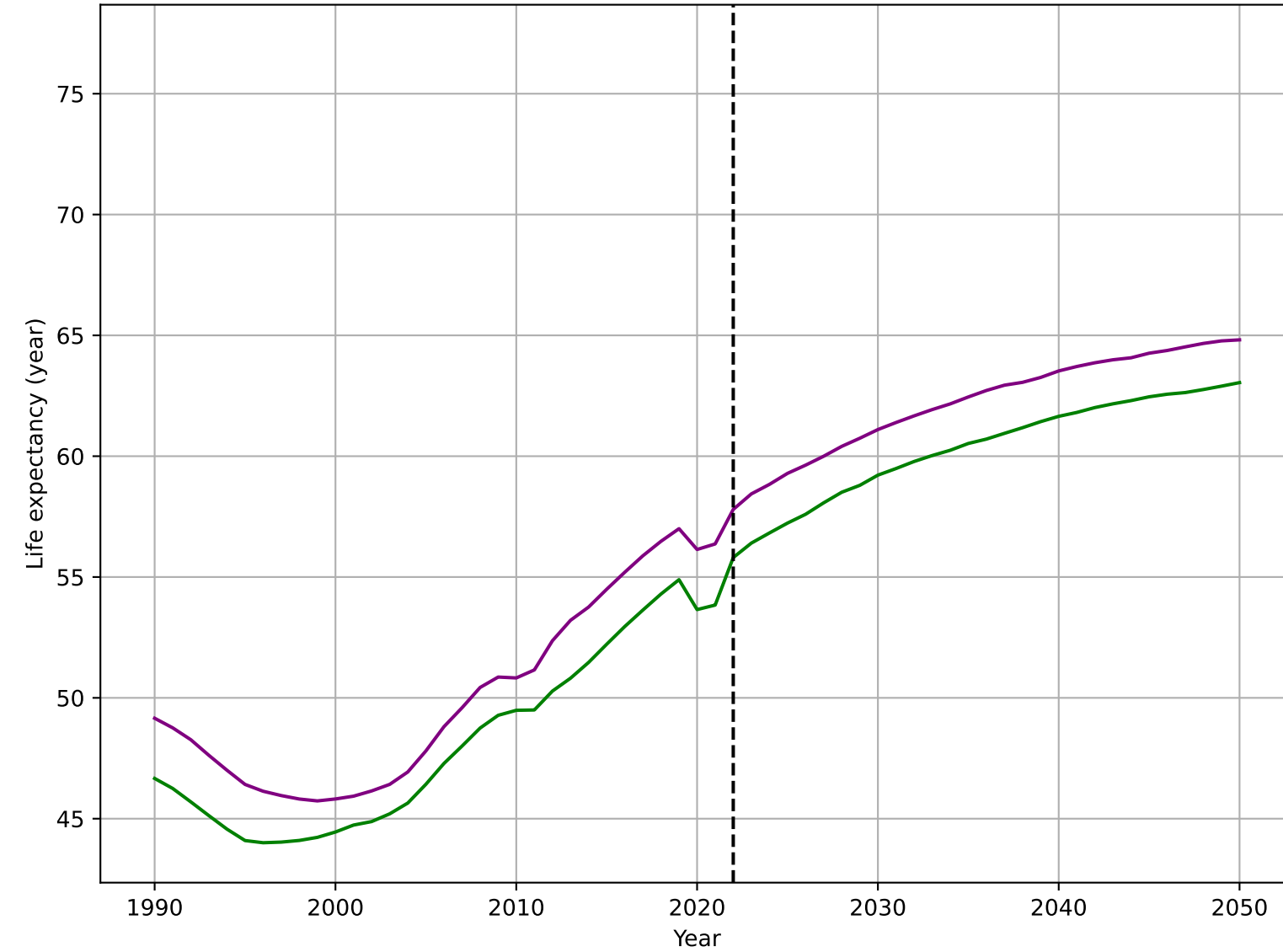


# Côte D'Ivoire

## Life Expectancy

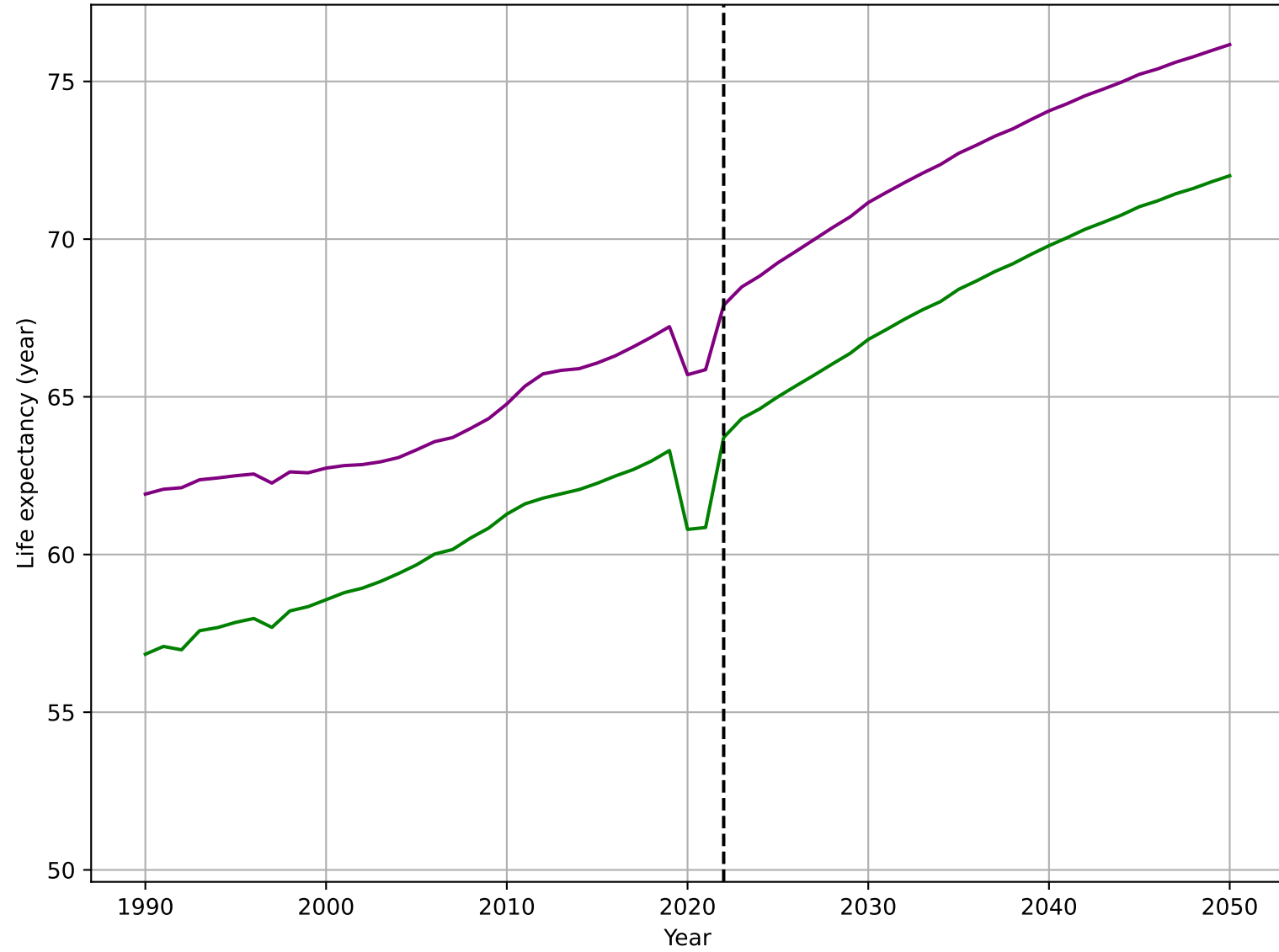


## Healthy Life Expectancy (HALE)

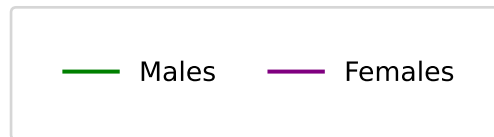
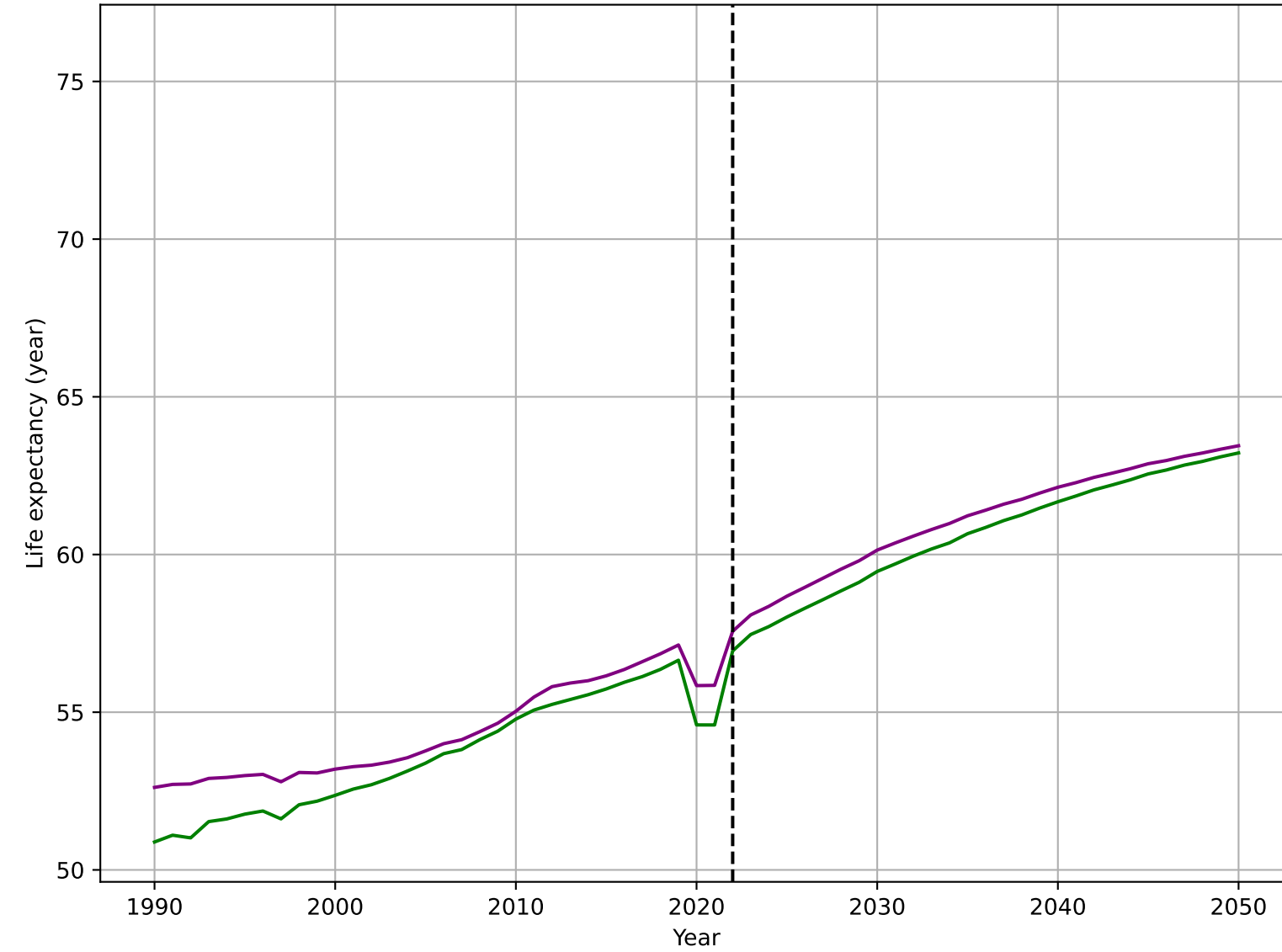


# The Gambia

## Life Expectancy

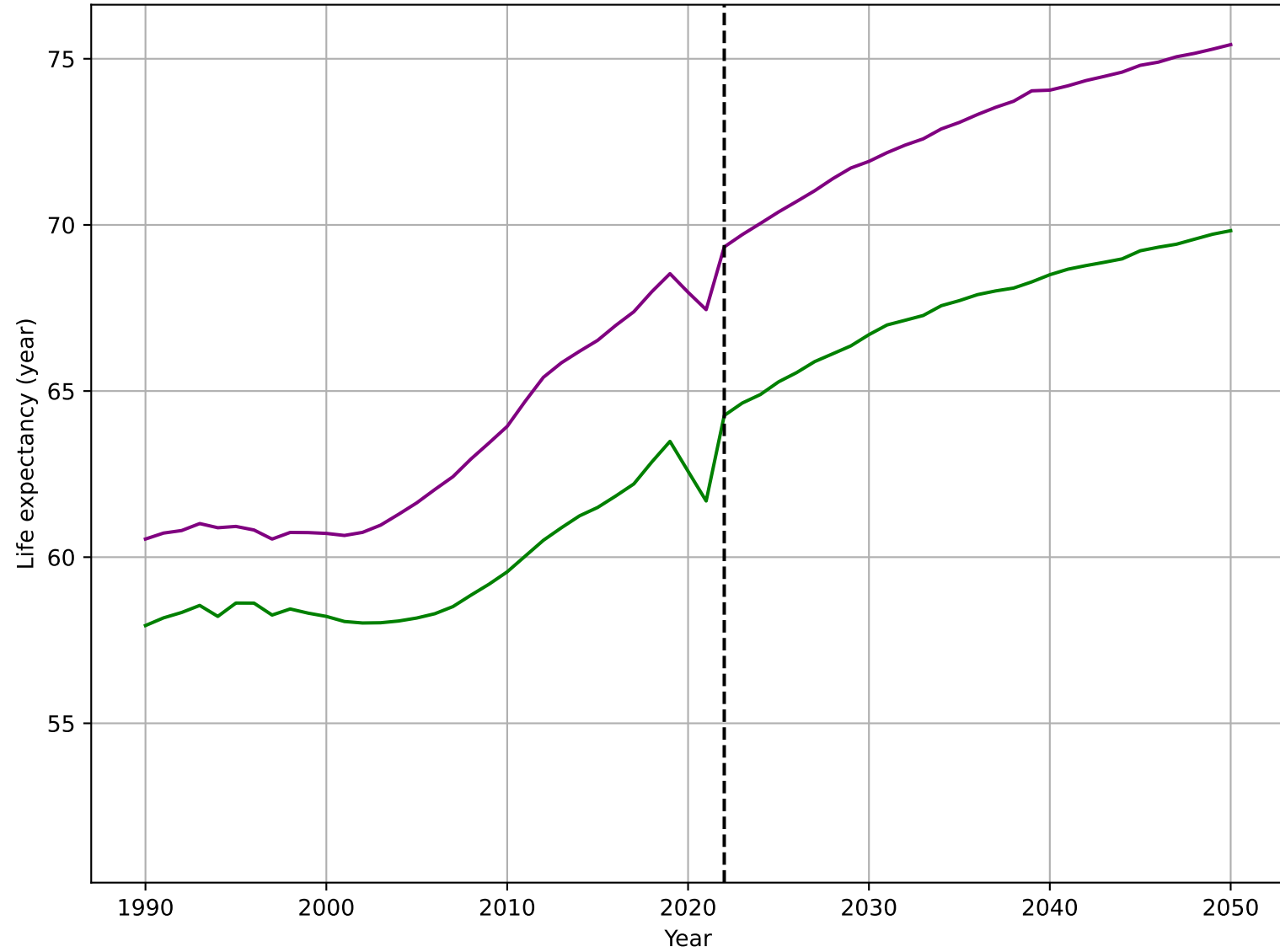


## Healthy Life Expectancy (HALE)

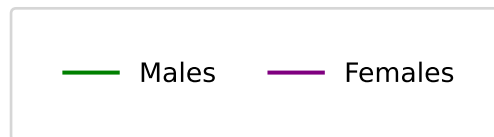
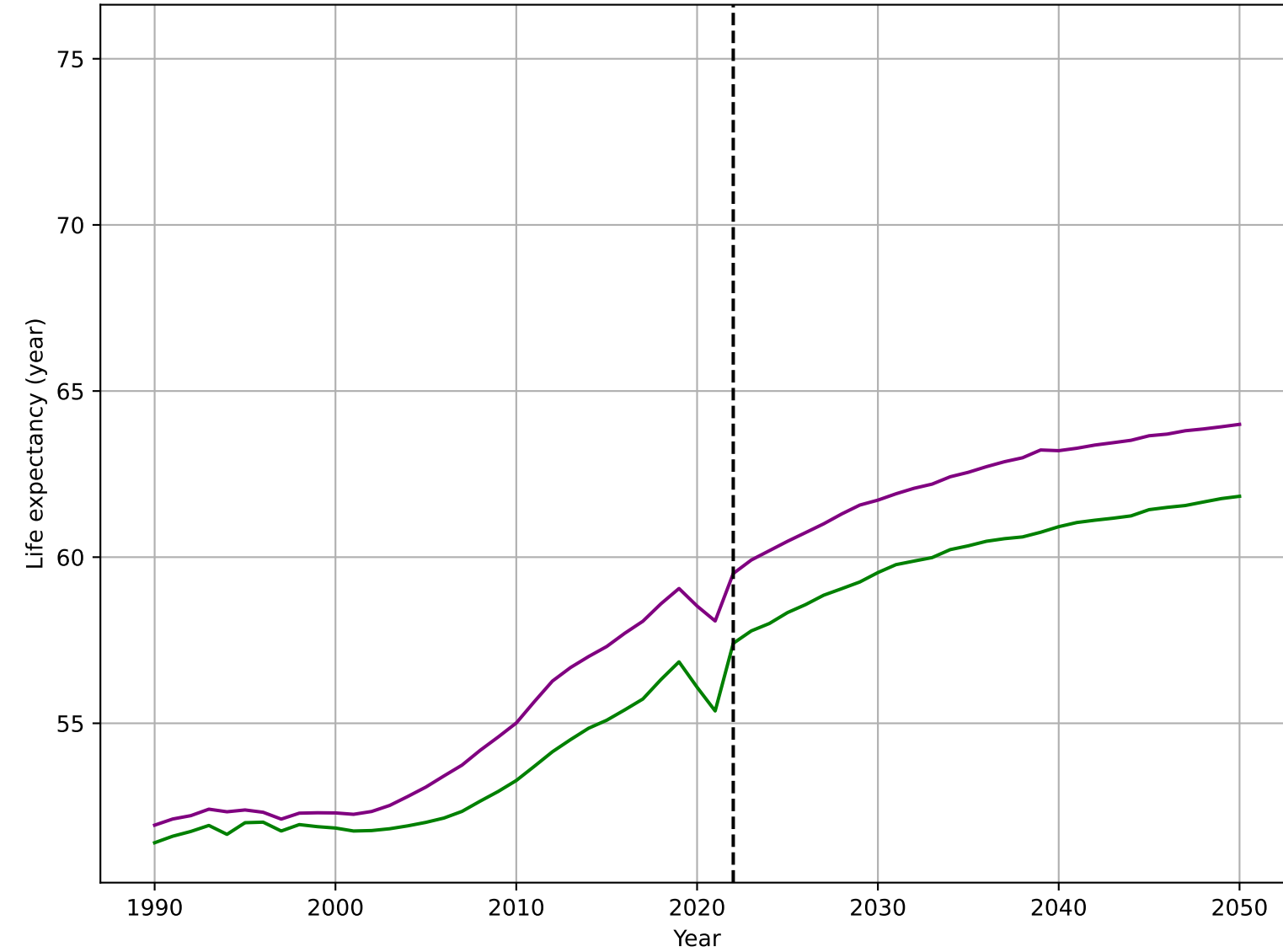


# Ghana

### Life Expectancy

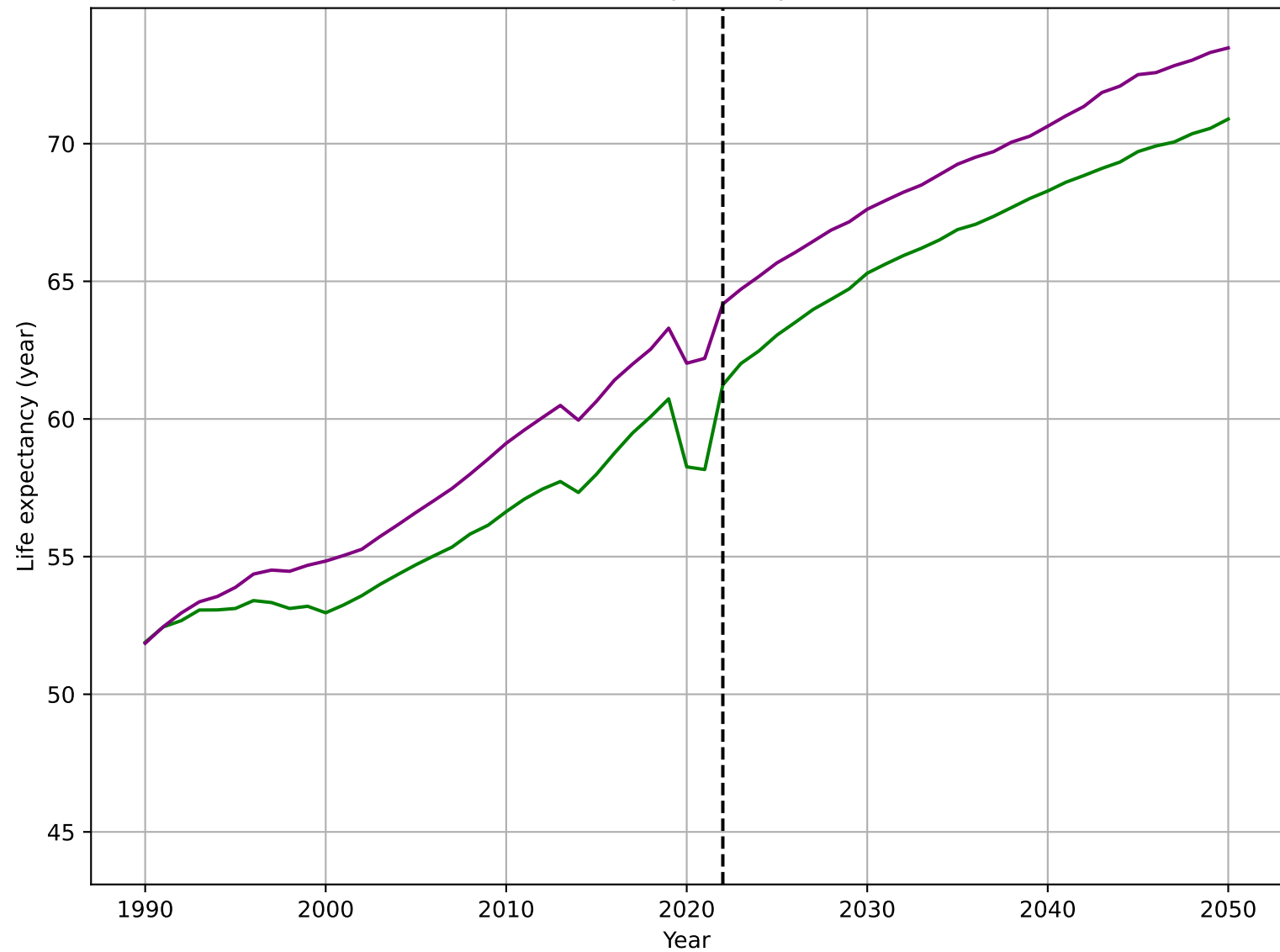


### Healthy Life Expectancy (HALE)

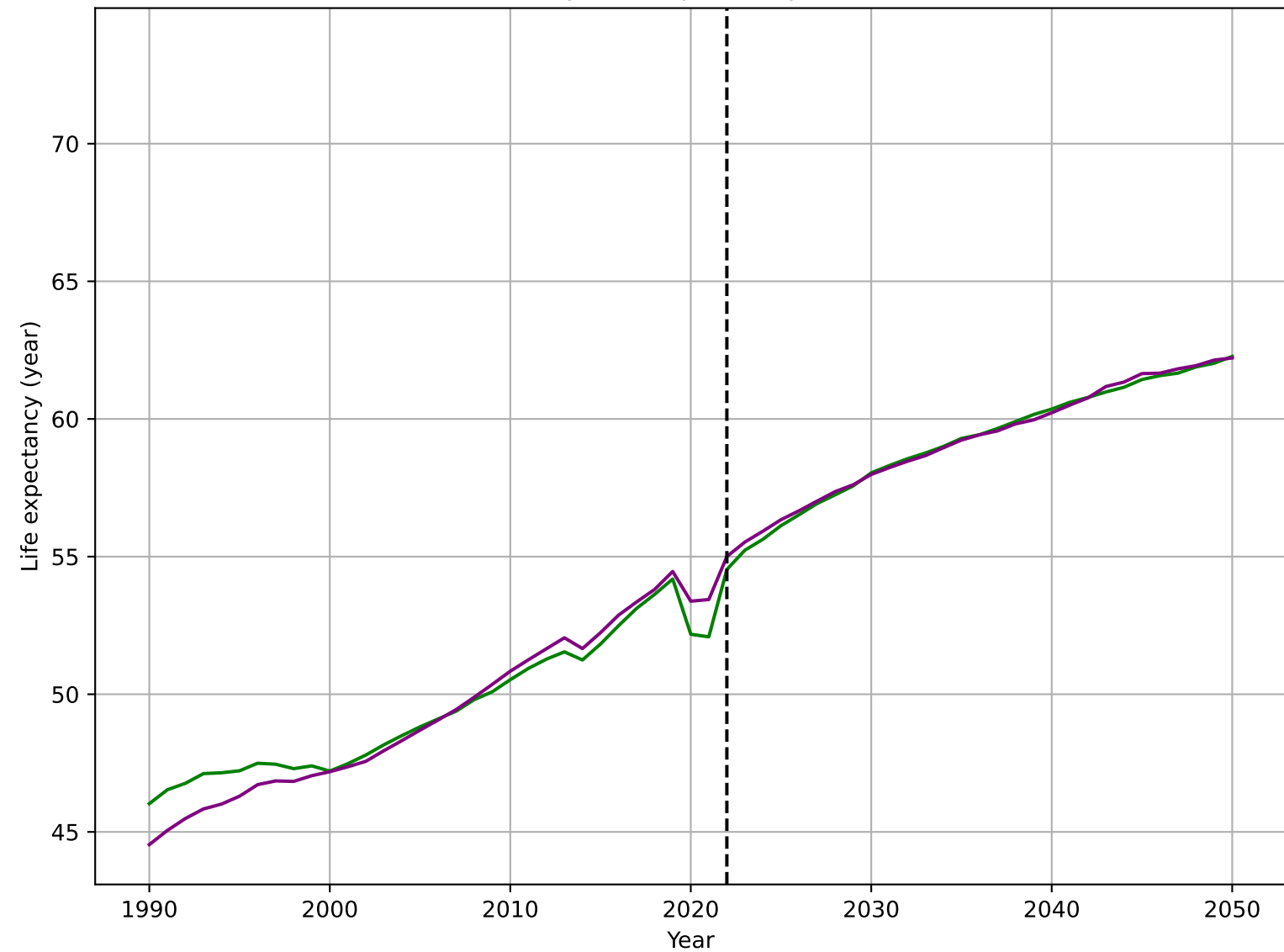


# Guinea

### Life Expectancy

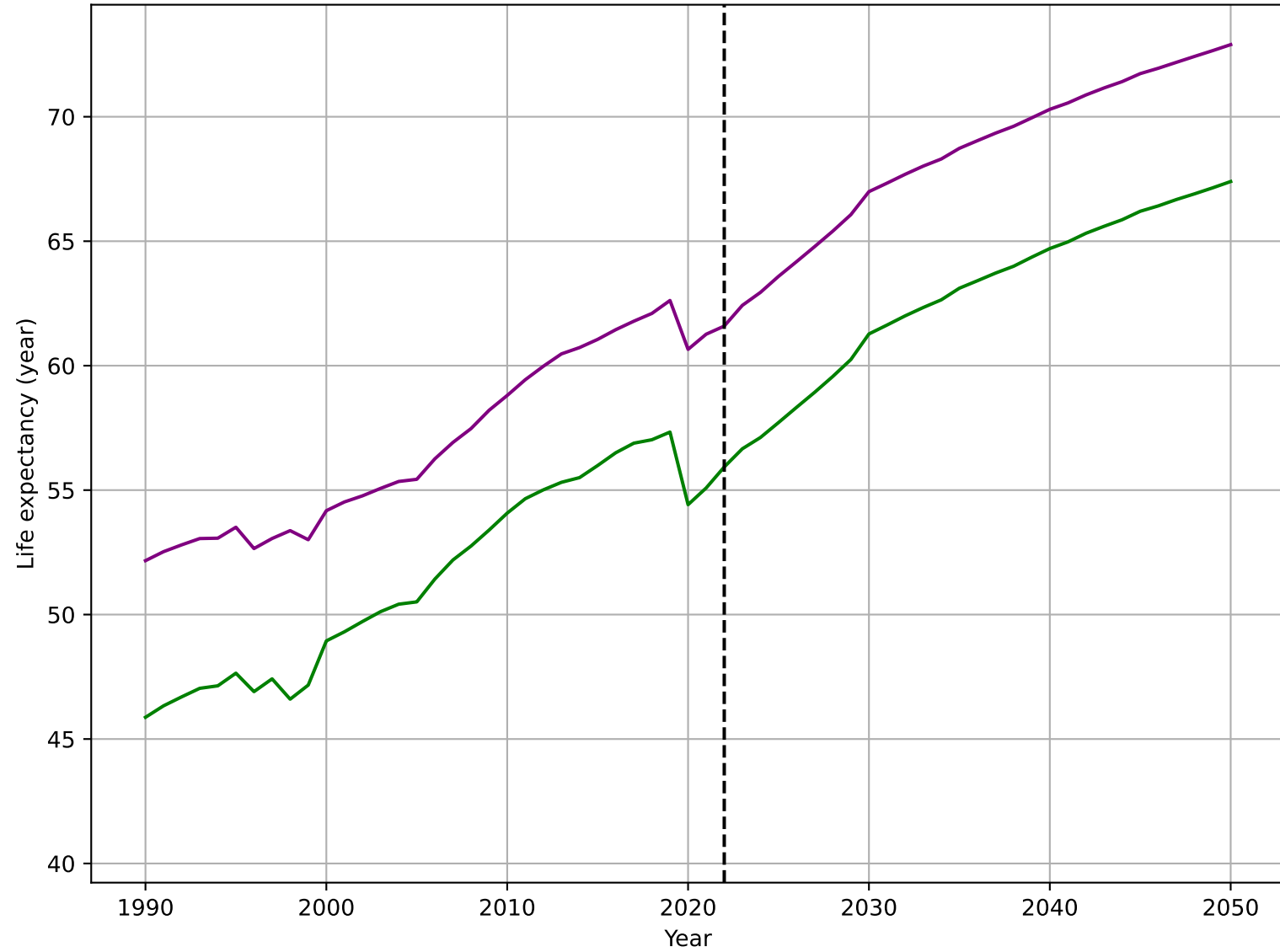


### Healthy Life Expectancy (HALE)

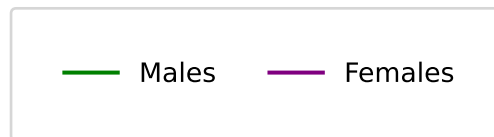
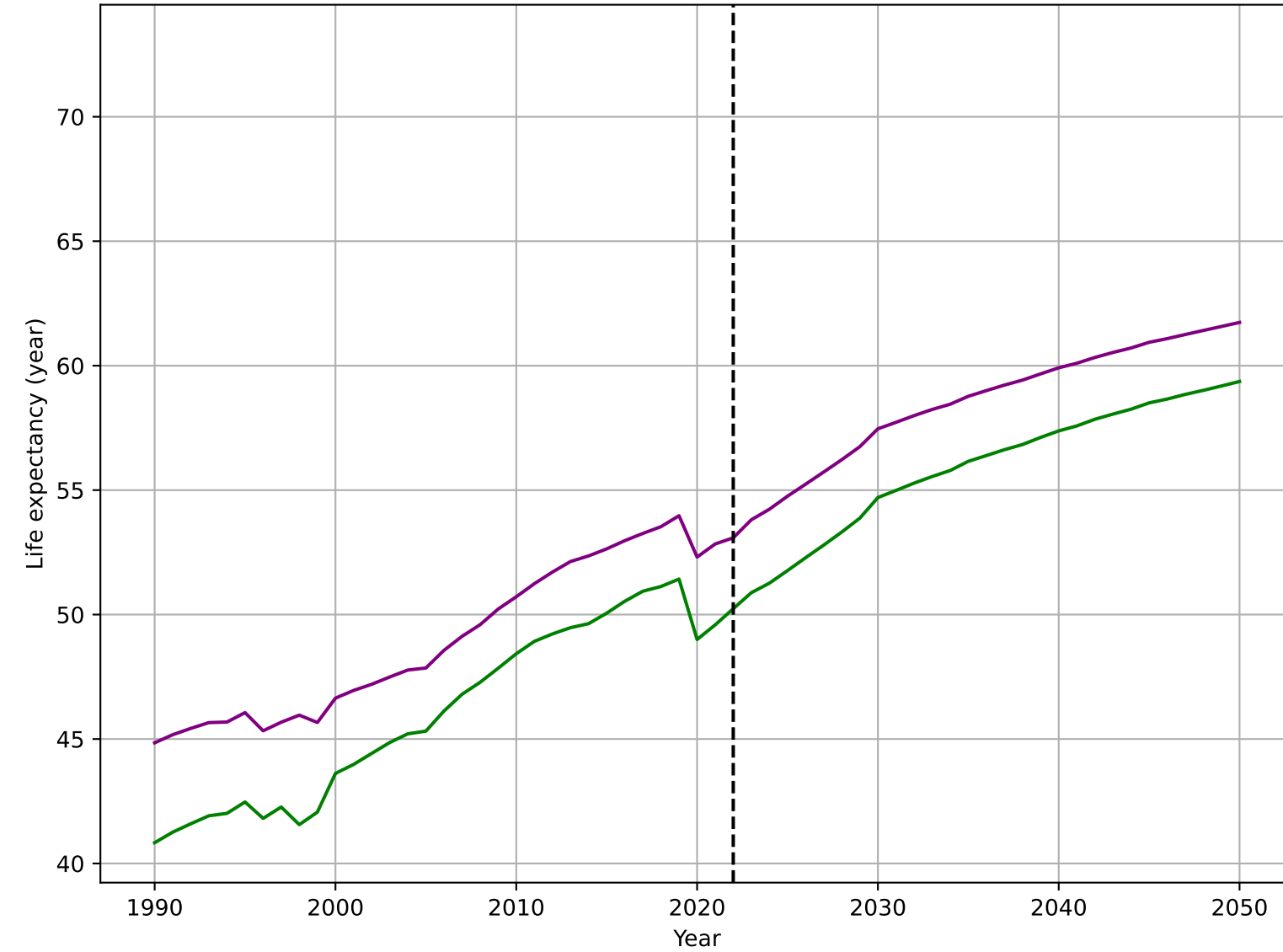


# Guinea-Bissau

## Life Expectancy

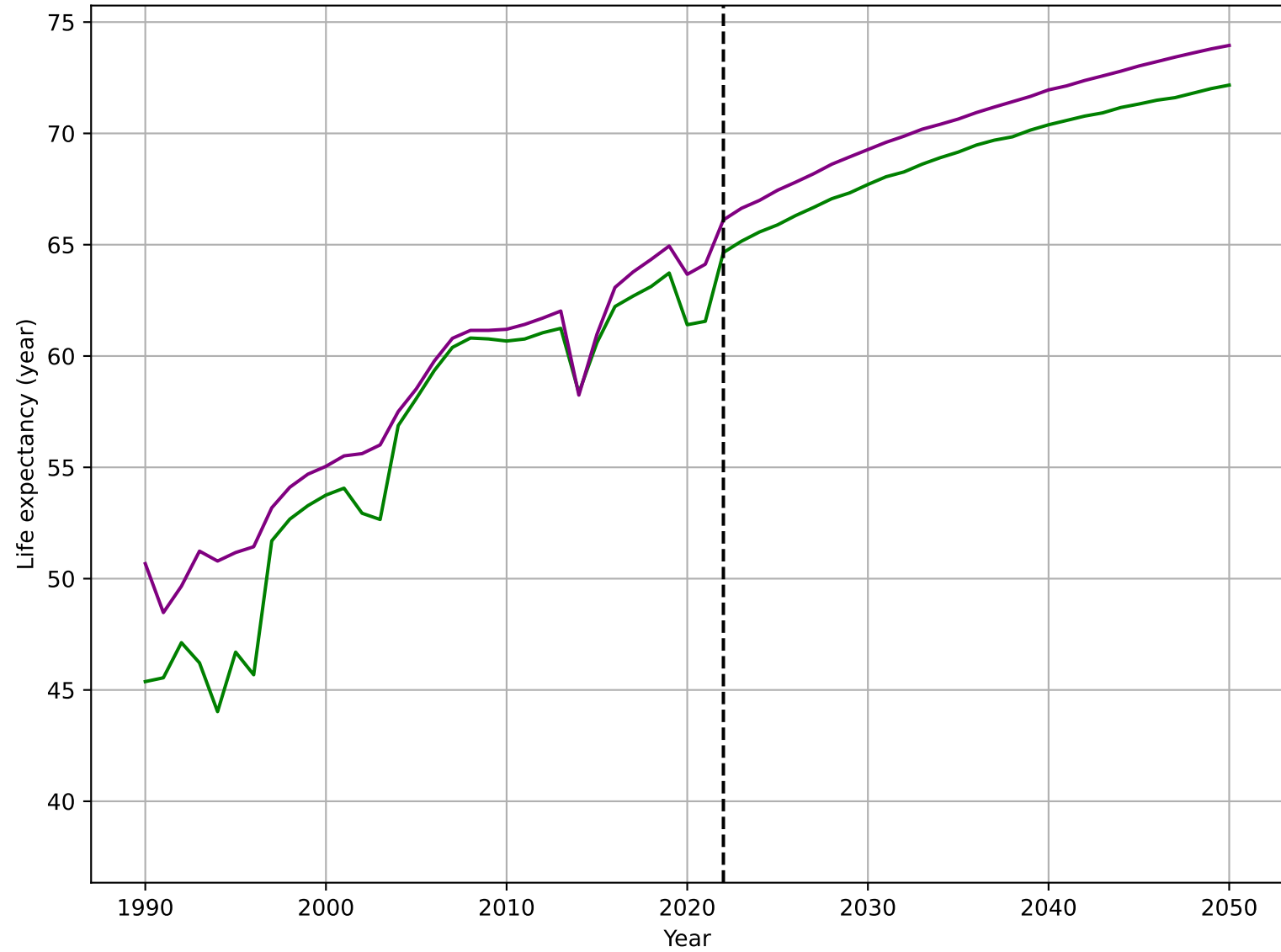


## Healthy Life Expectancy (HALE)

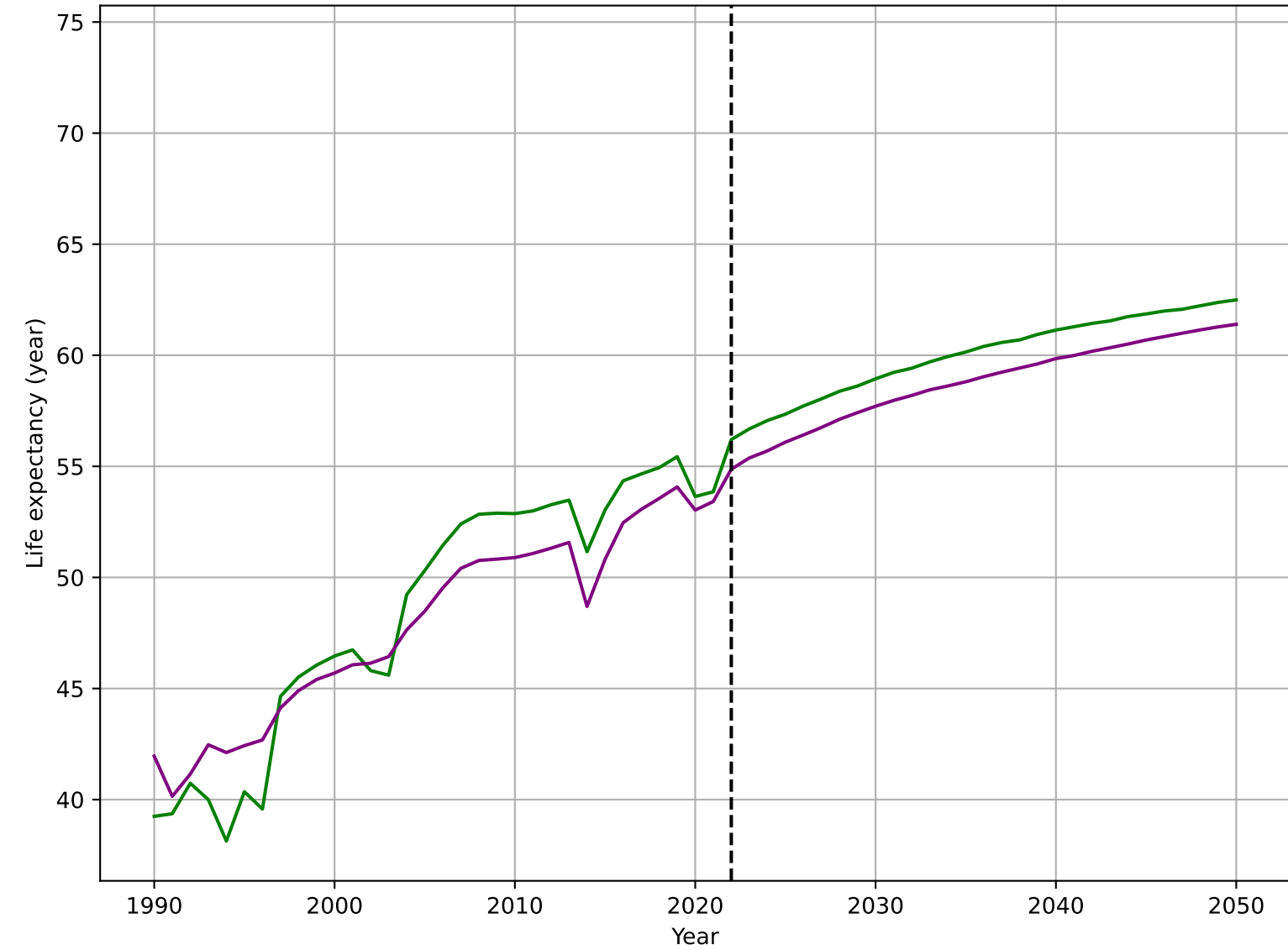


# Liberia

## Life Expectancy



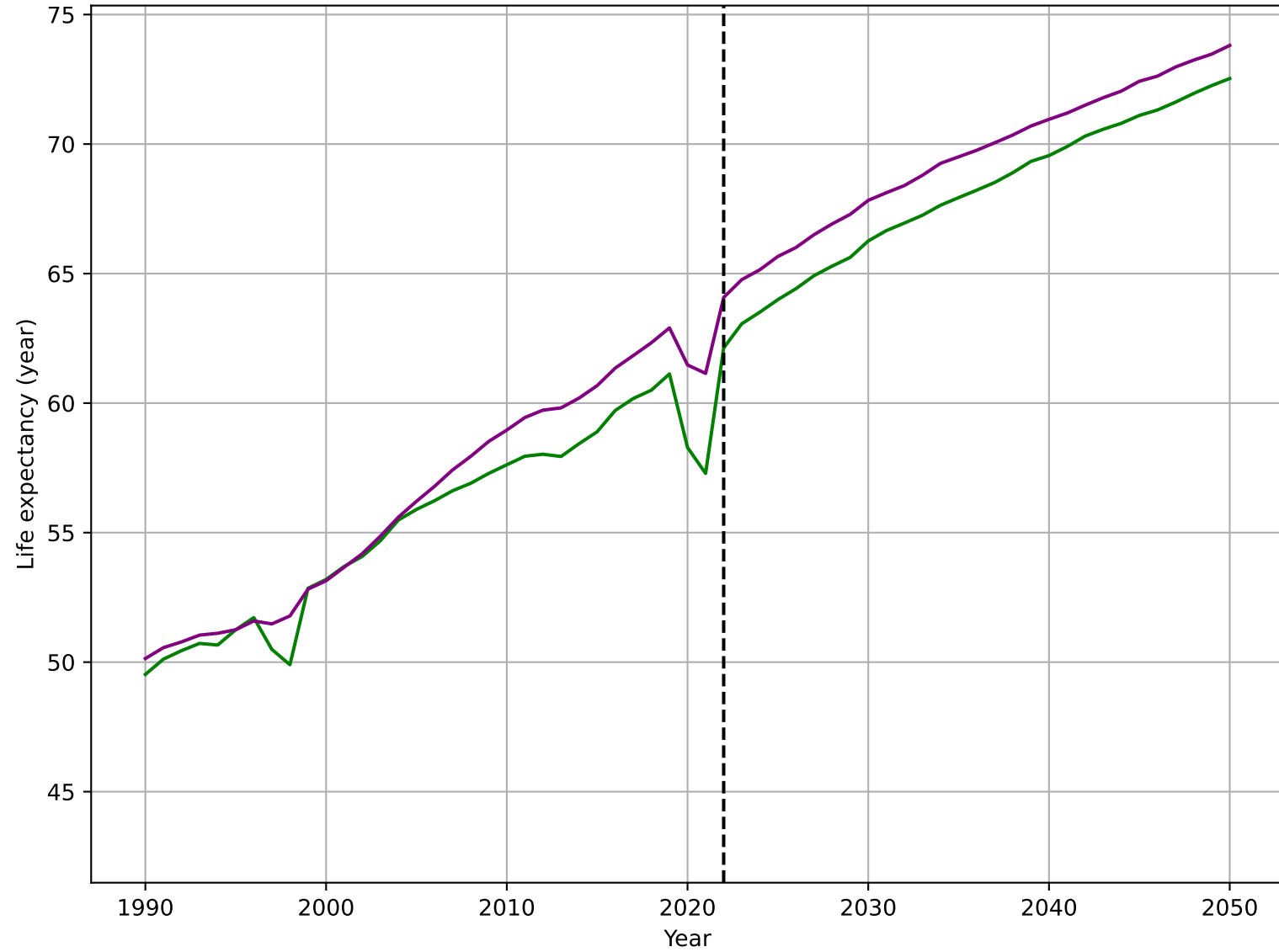
## Healthy Life Expectancy (HALE)



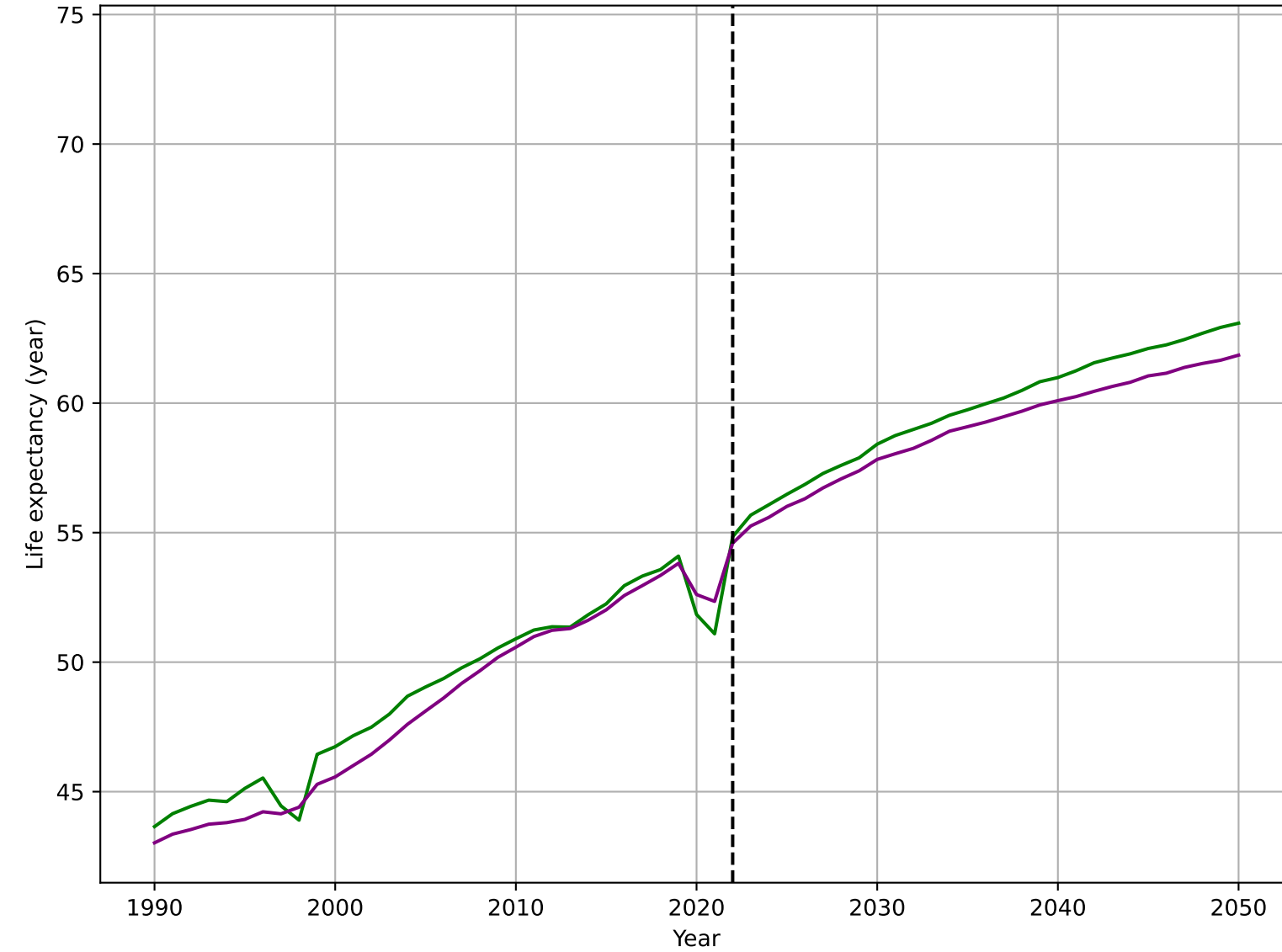


# Mali

### Life Expectancy

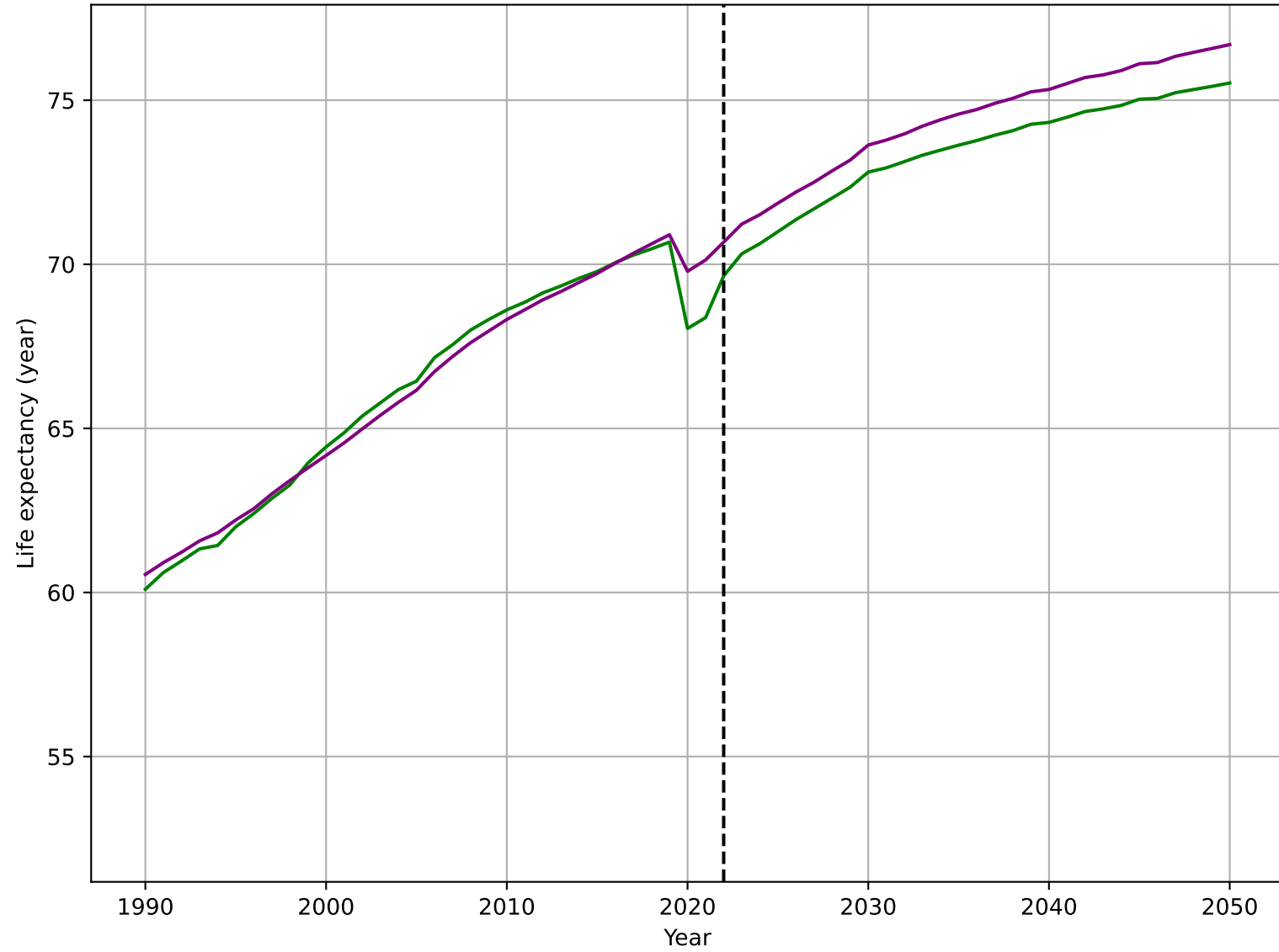


### Healthy Life Expectancy (HALE)

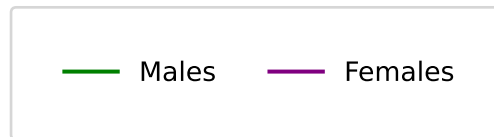
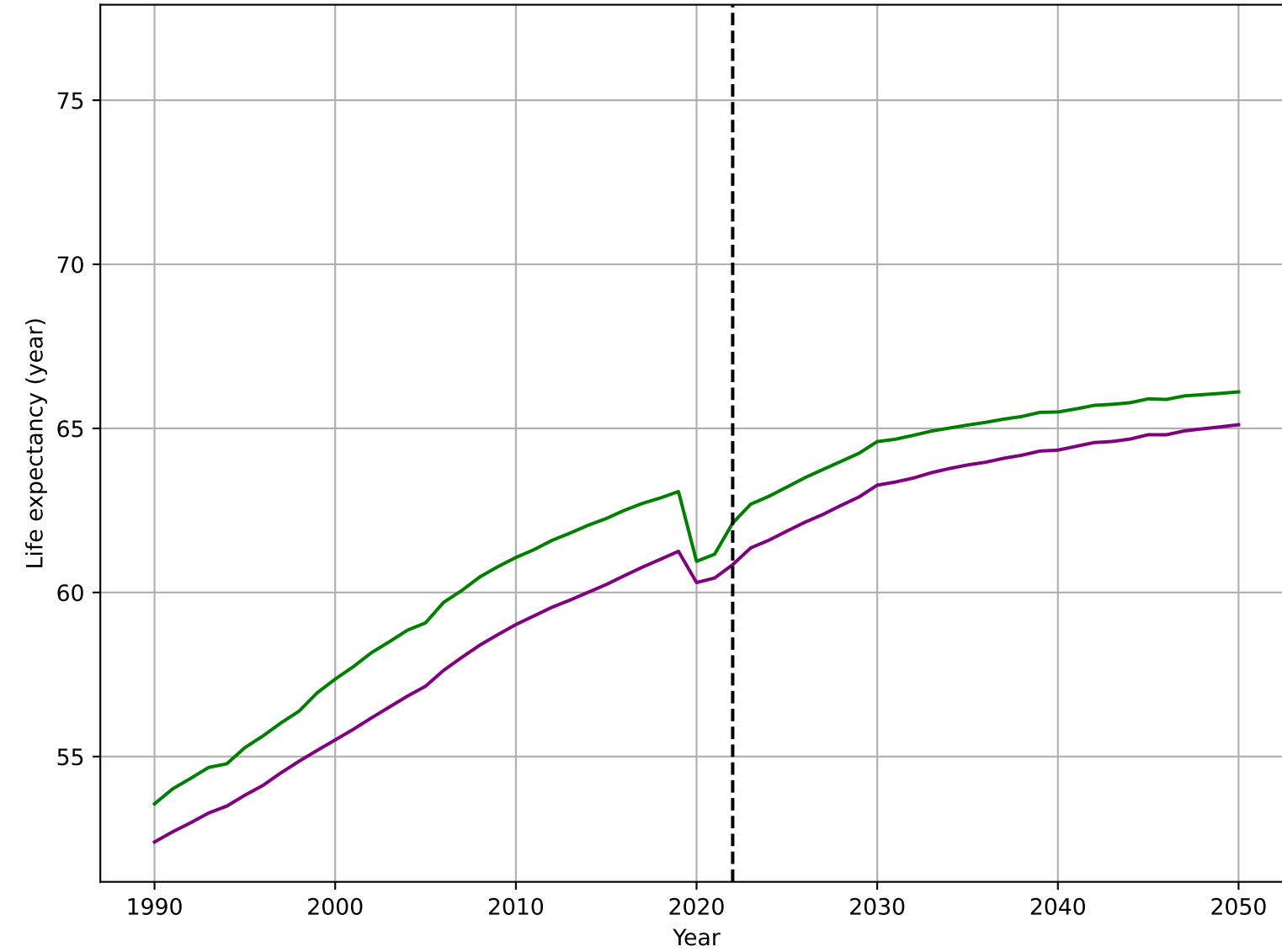


# Mauritania

### Life Expectancy

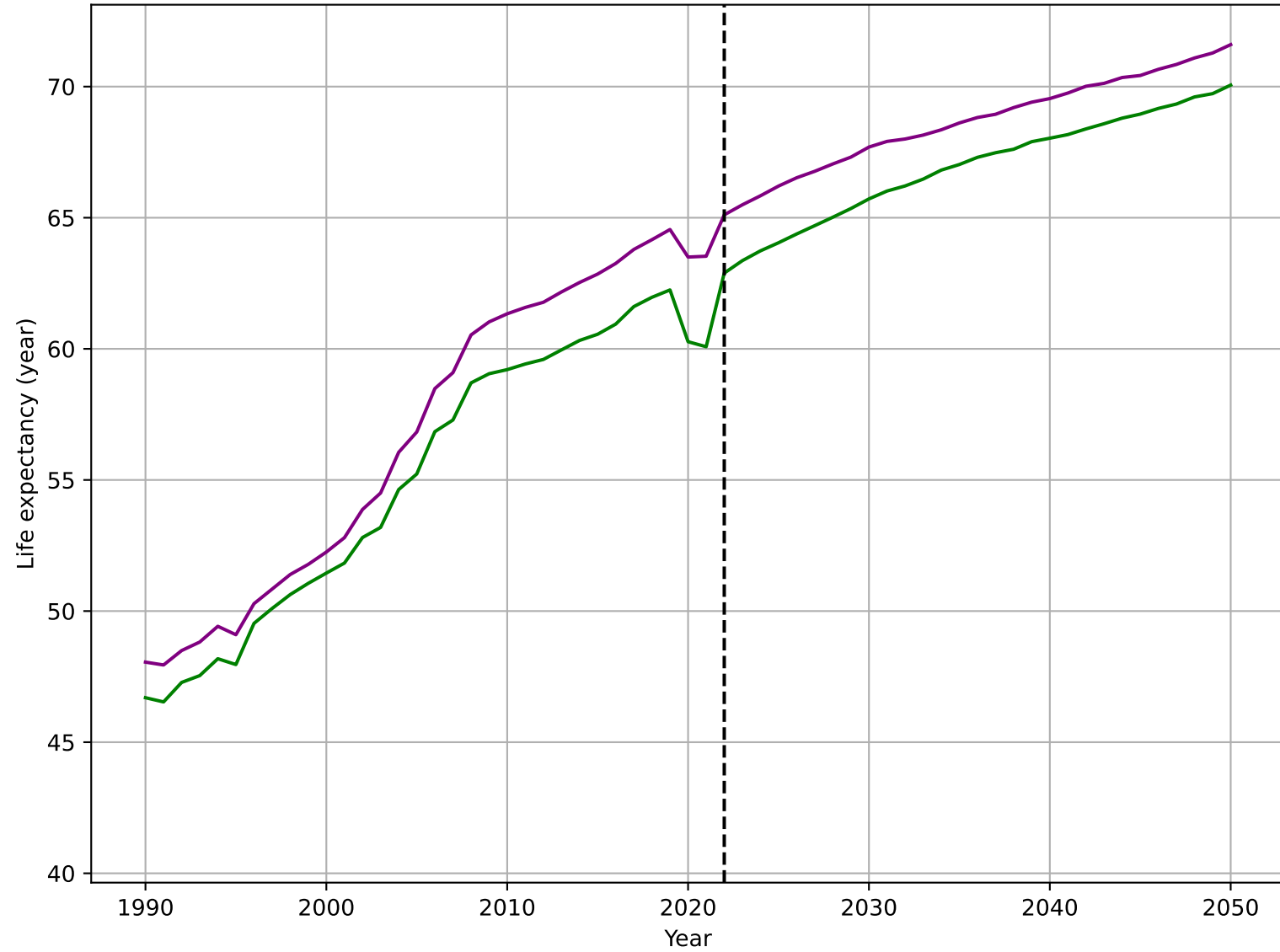


### Healthy Life Expectancy (HALE)

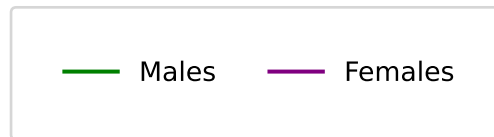
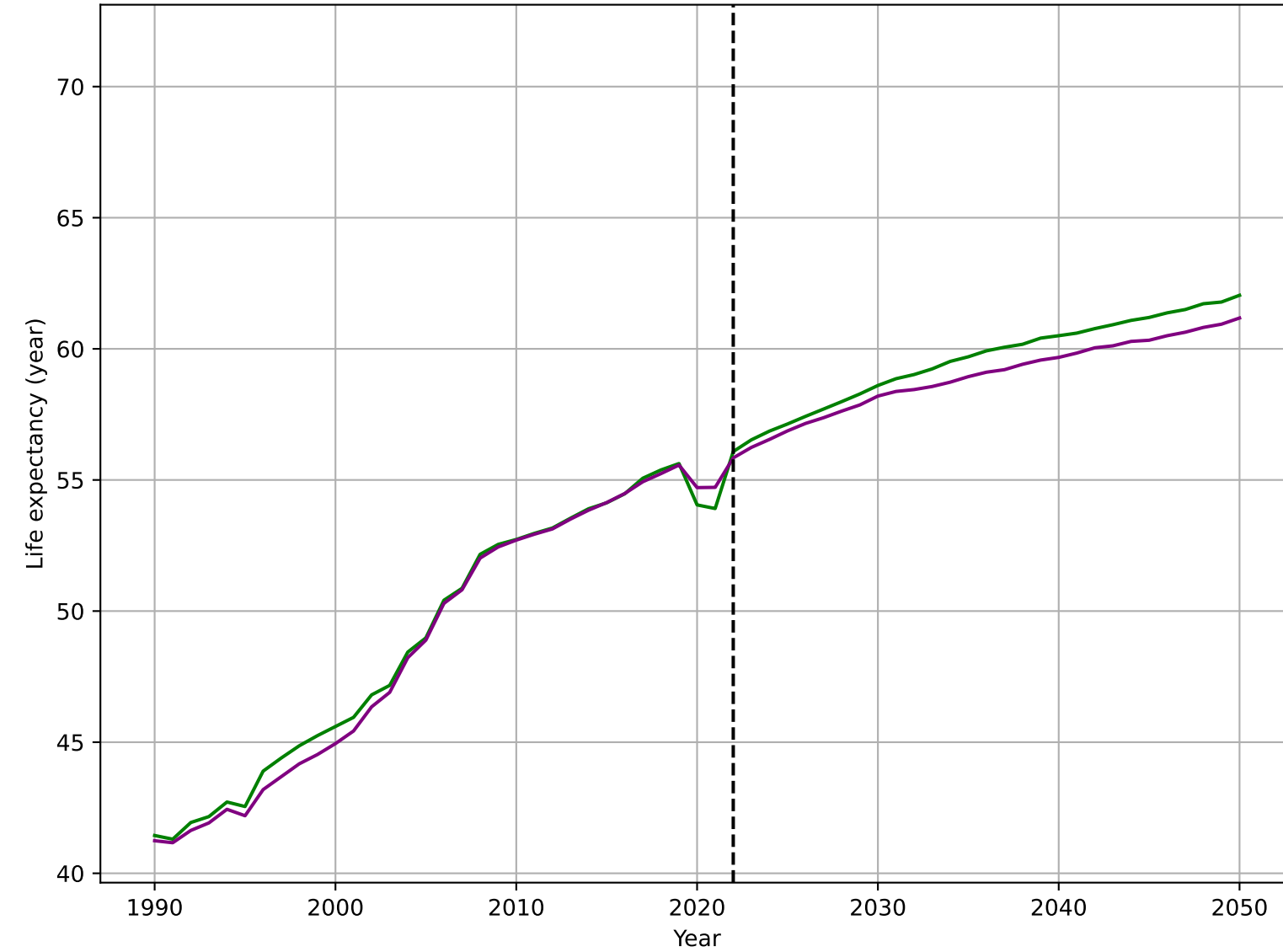


# Niger

### Life Expectancy

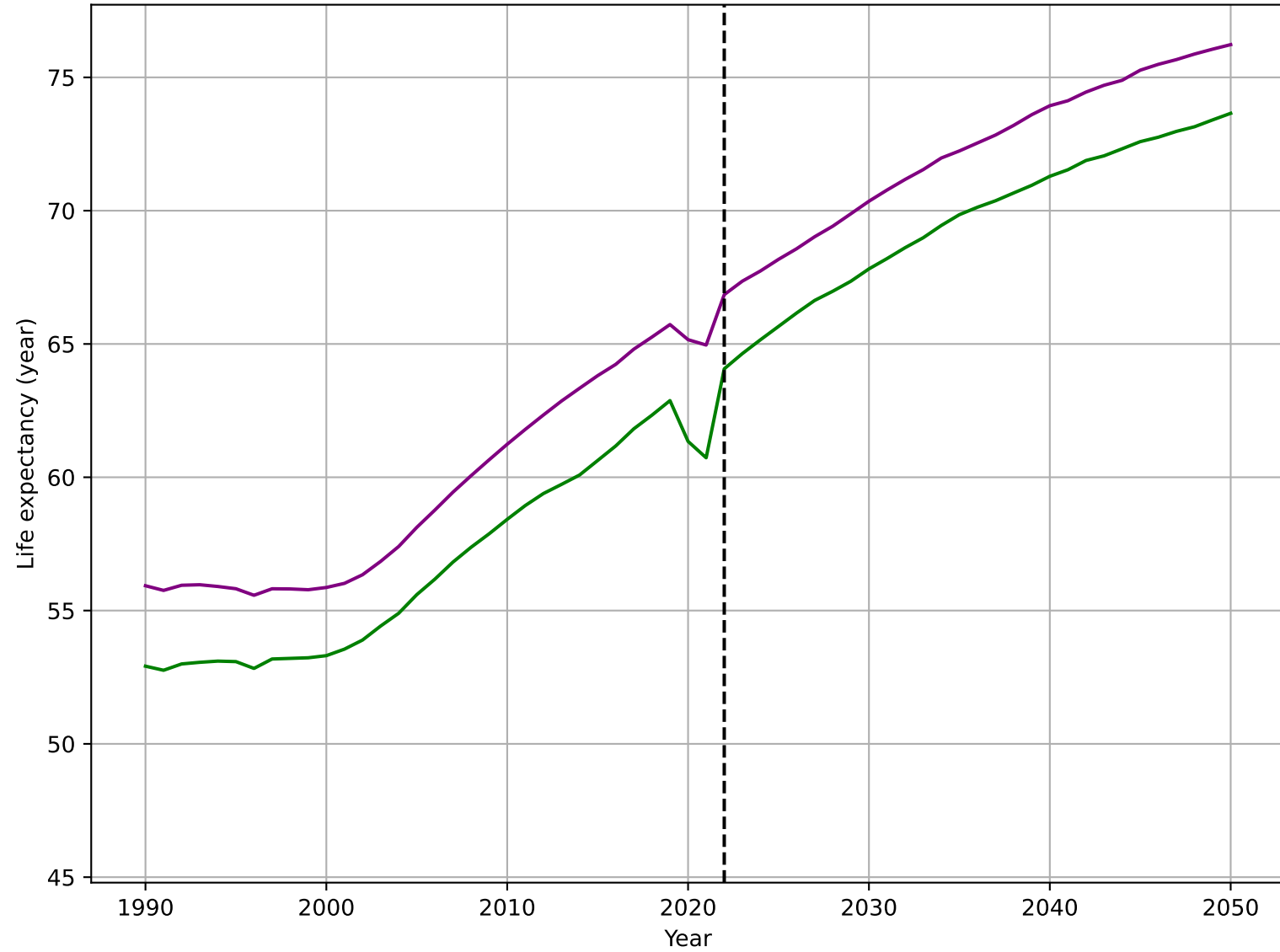


### Healthy Life Expectancy (HALE)

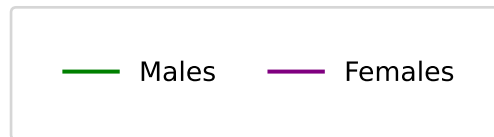
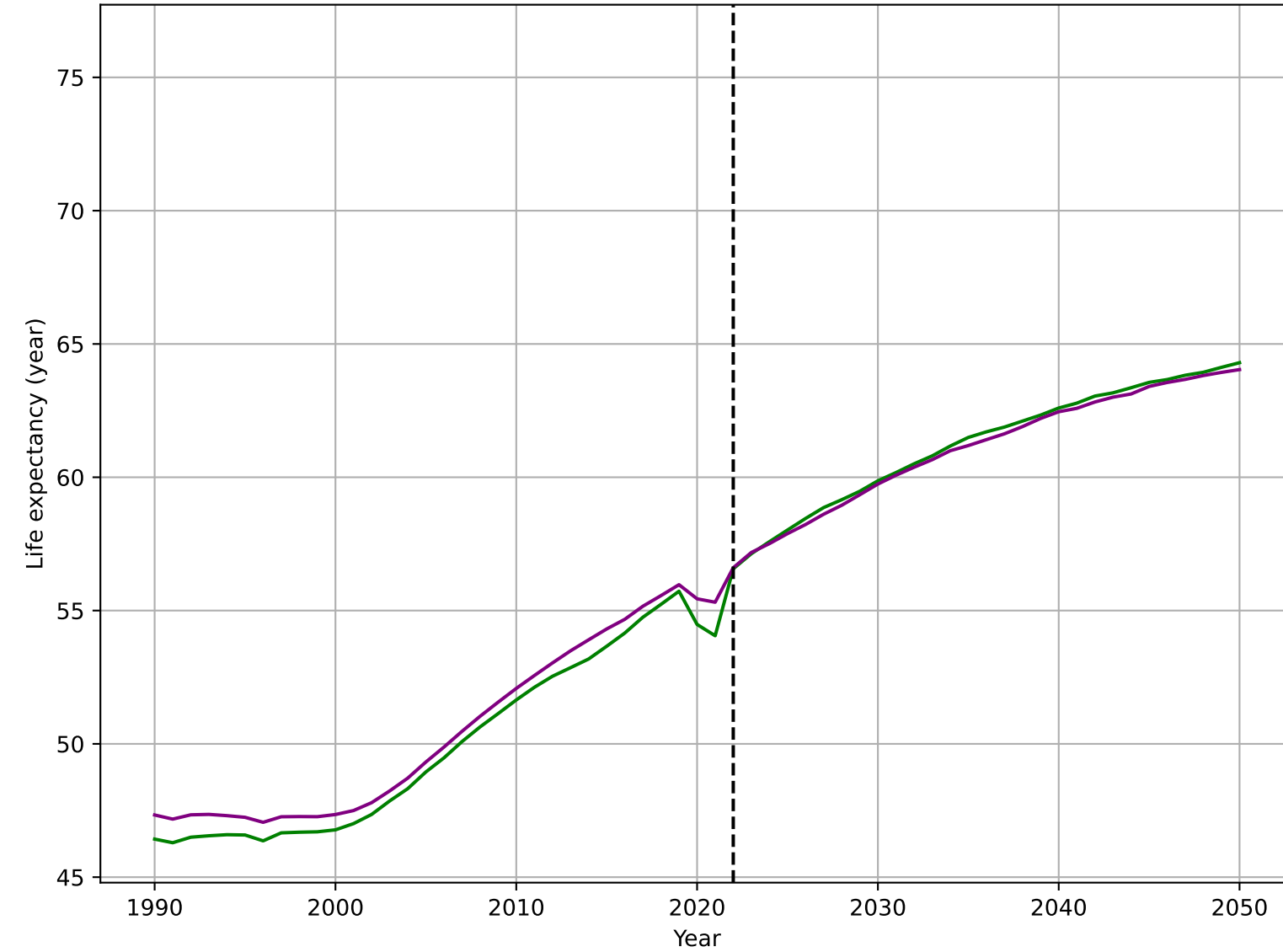


# Nigeria

### Life Expectancy

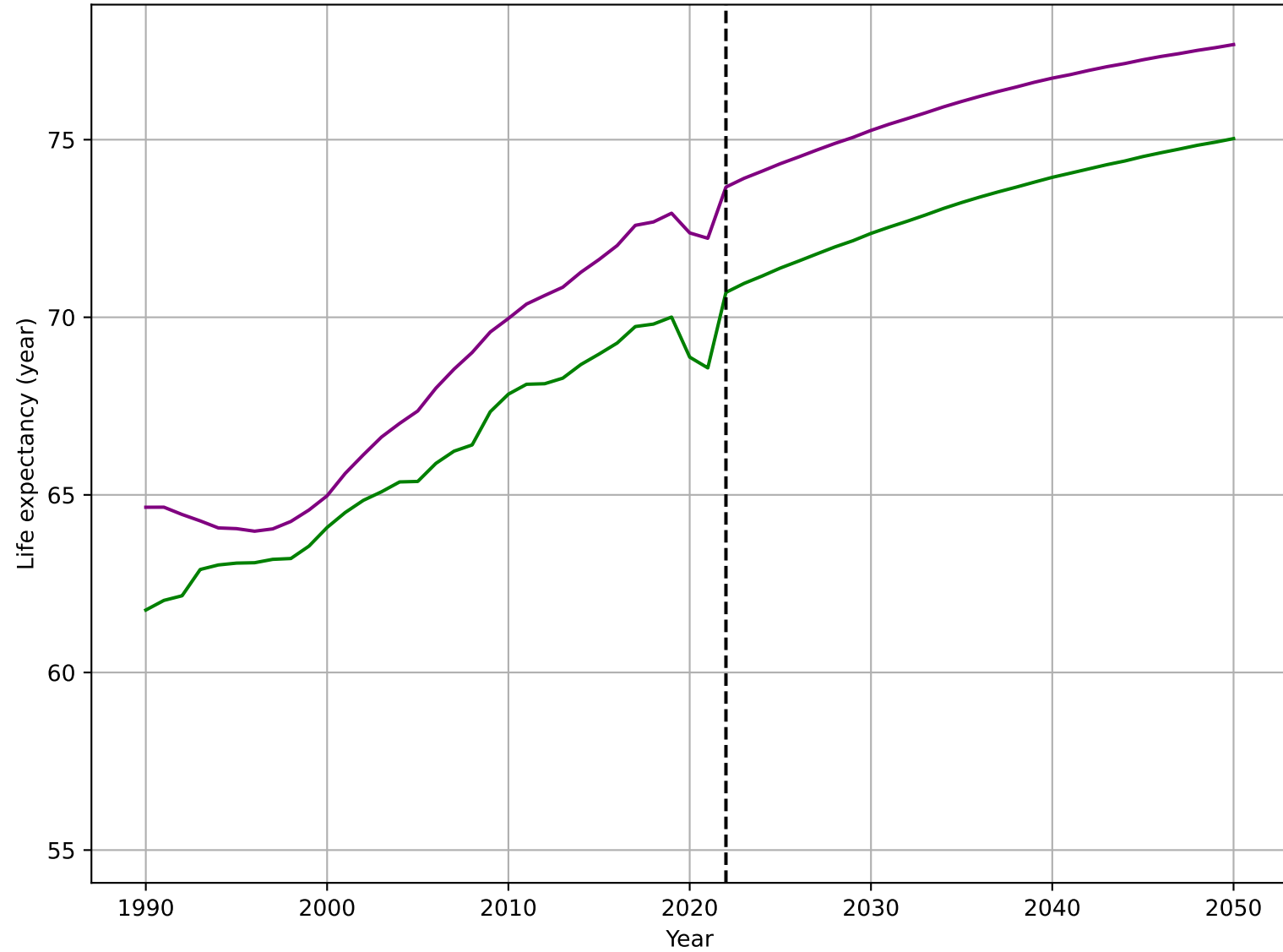


### Healthy Life Expectancy (HALE)

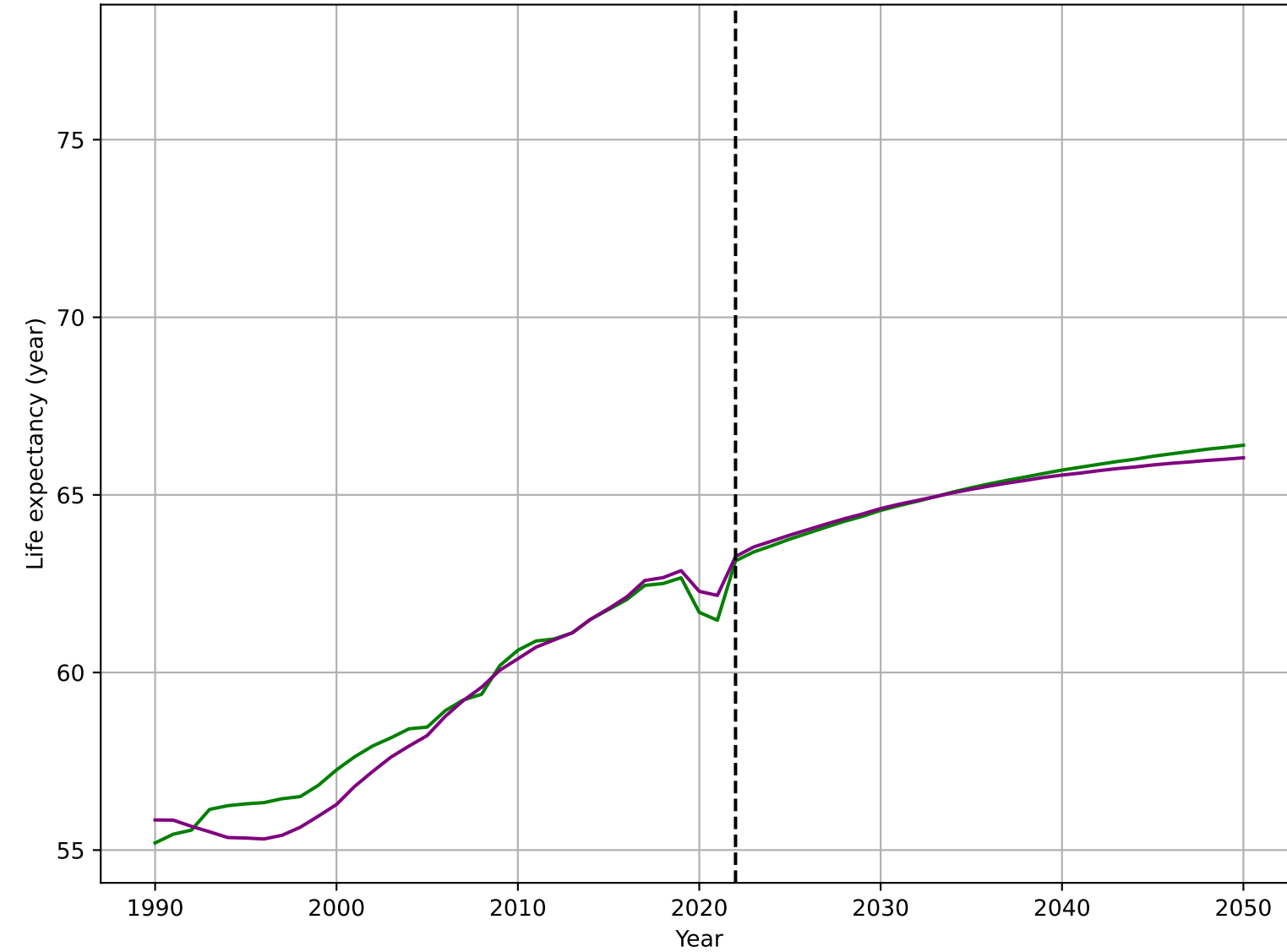


# São Tomé And Príncipe

### Life Expectancy

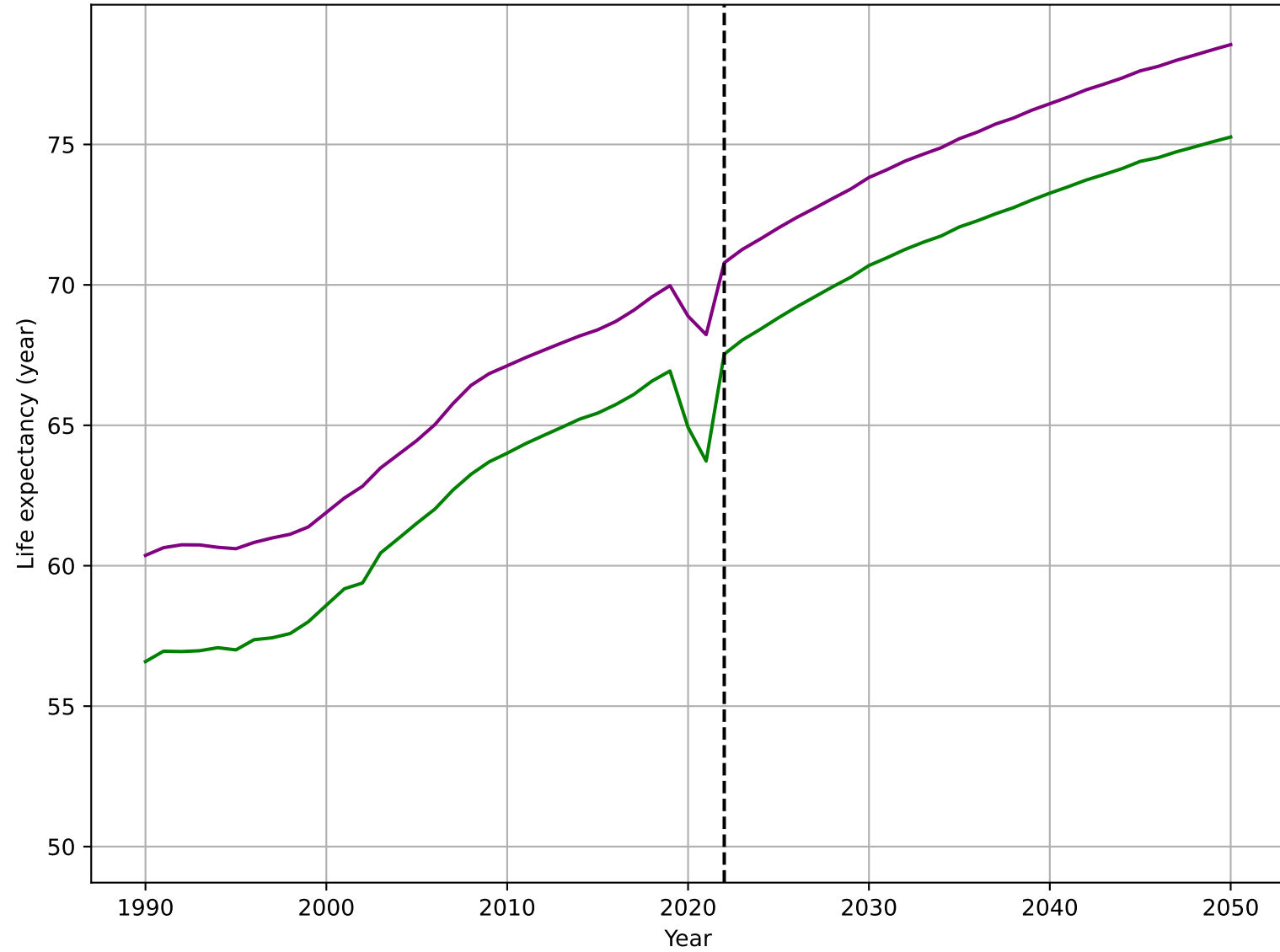


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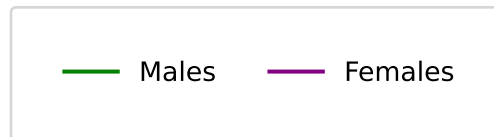
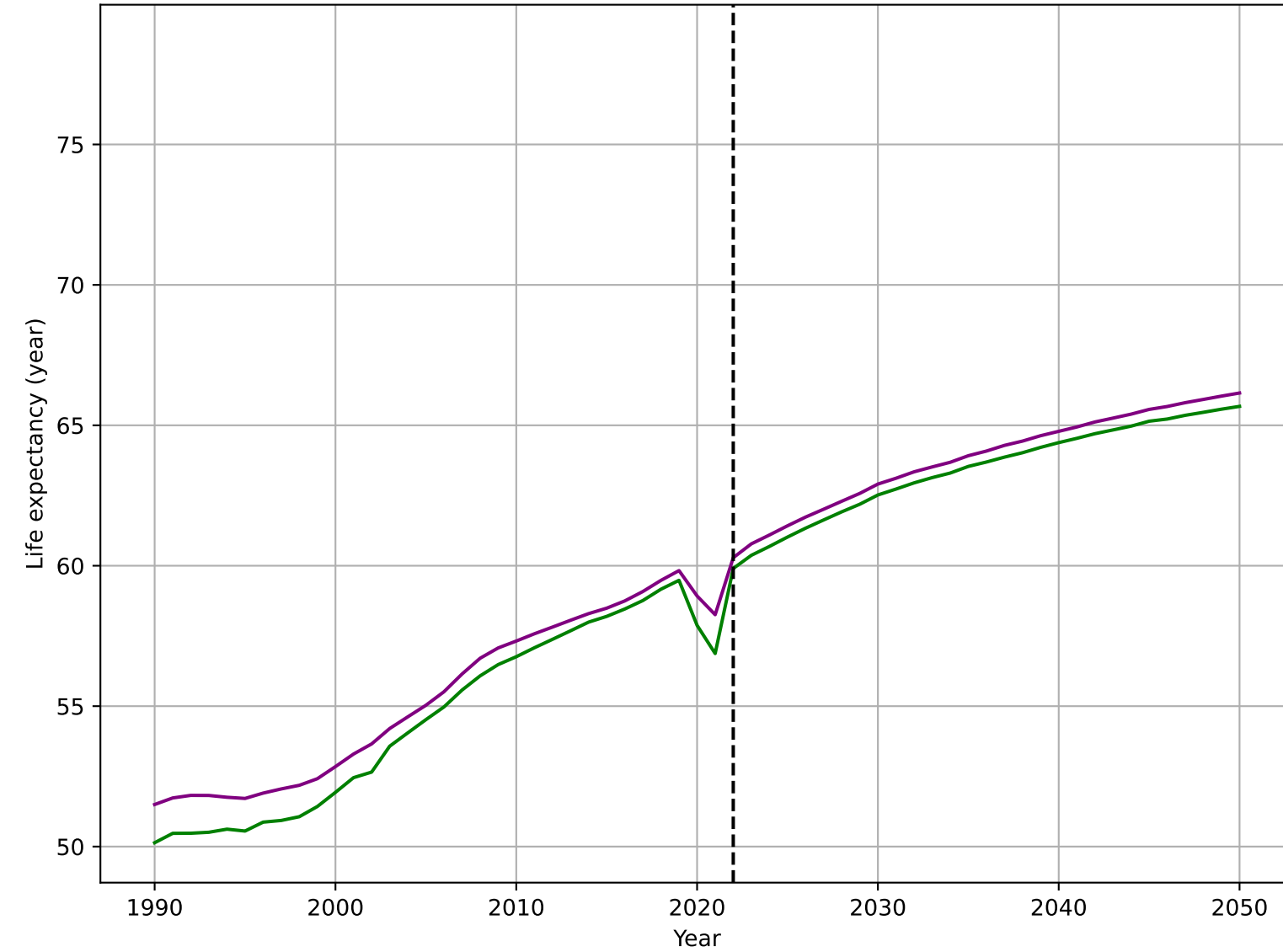


# Senegal

### Life Expectancy

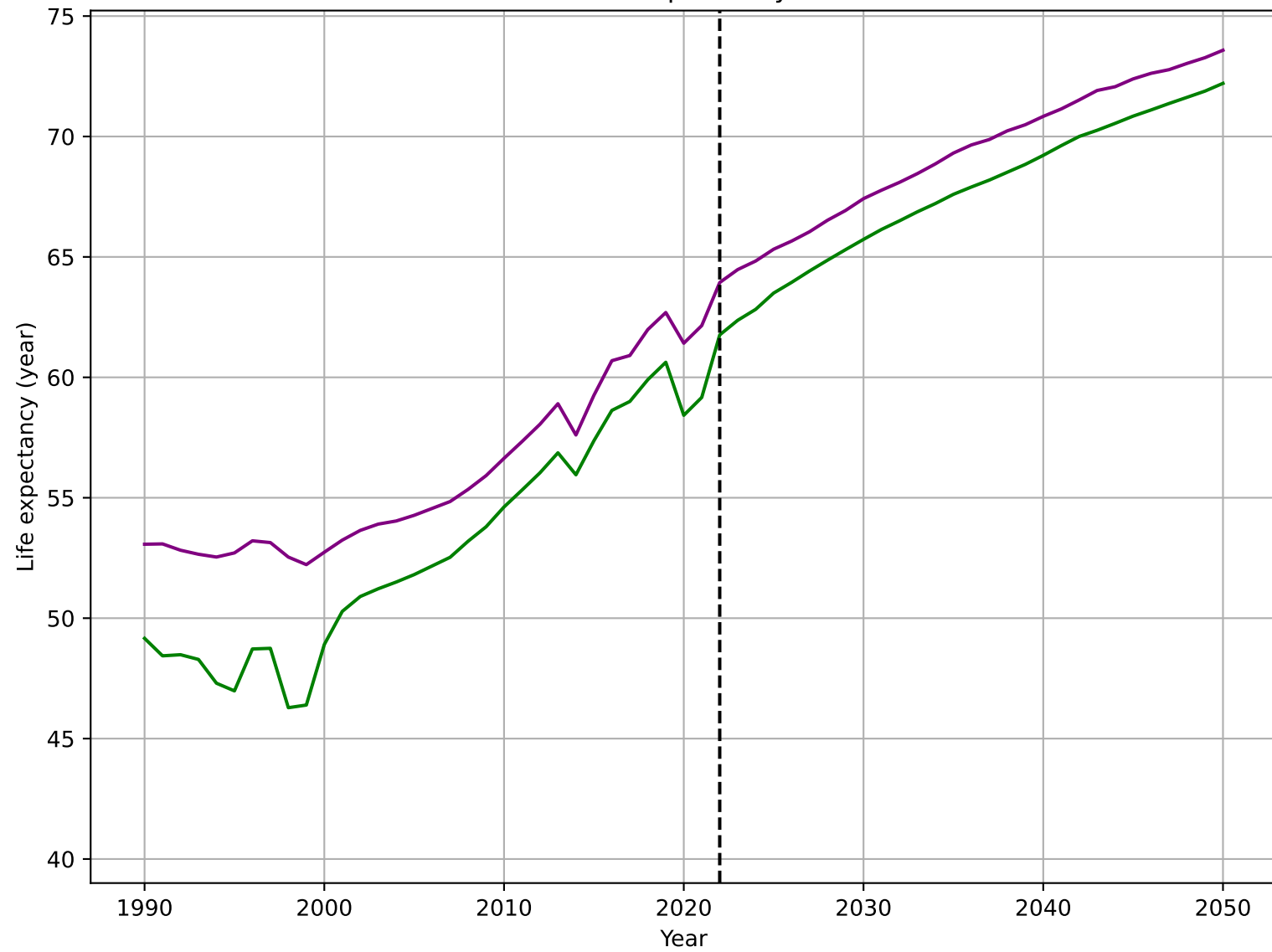


### Healthy Life Expectancy (HALE)

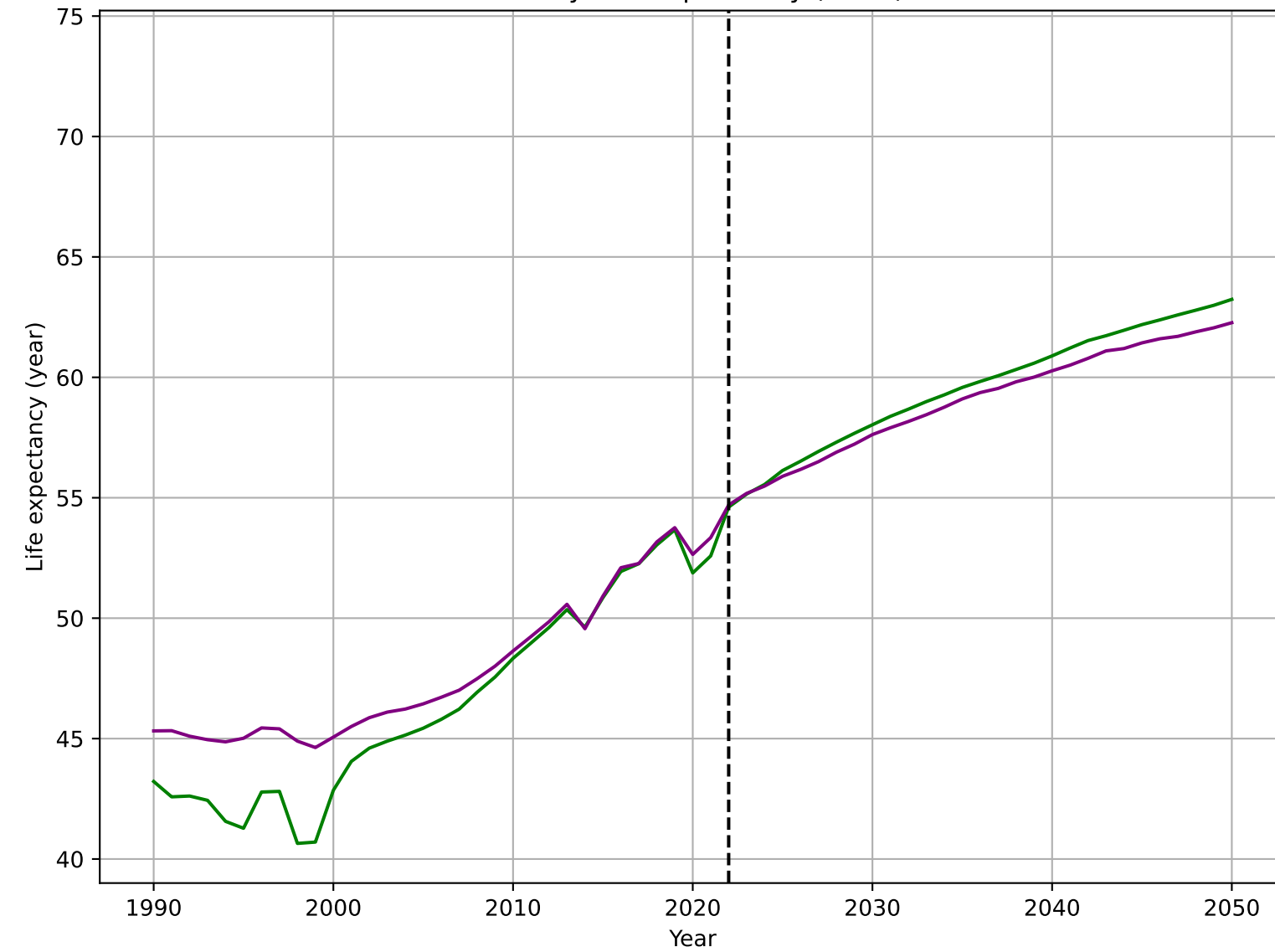


# Sierra Leone

### Life Expectancy

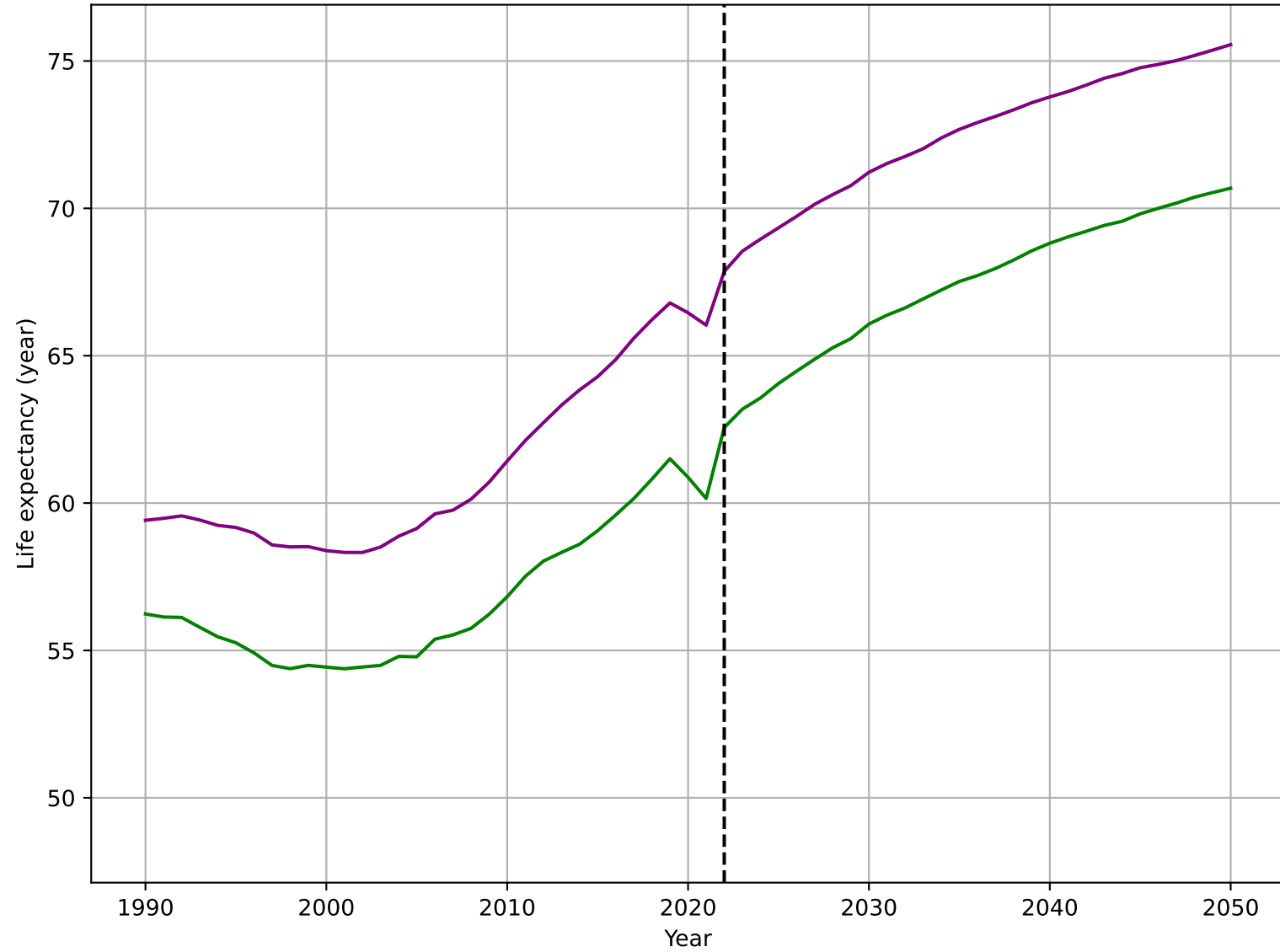


### Healthy Life Expectancy (HALE)

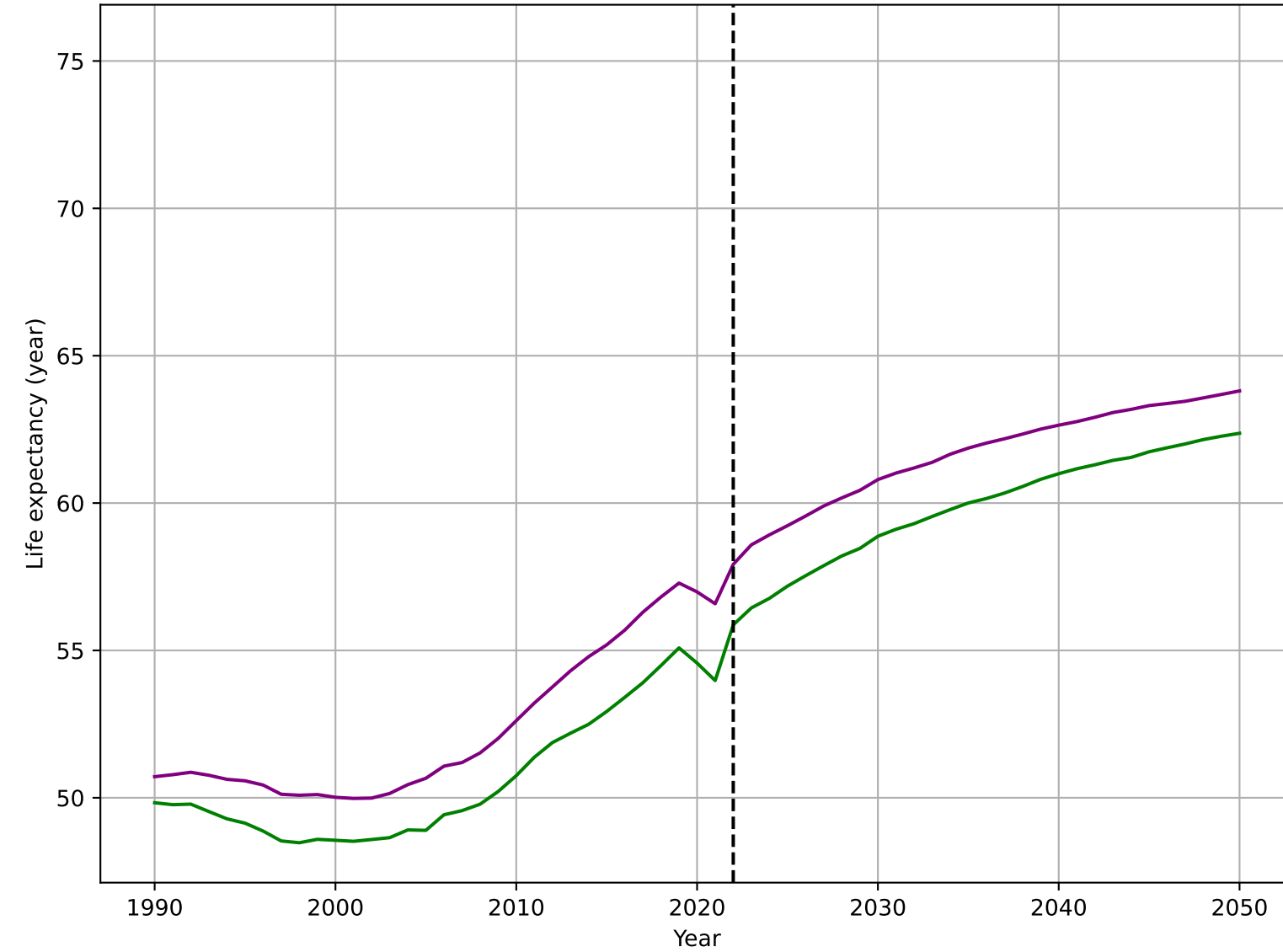


# Togo

### Life Expectancy



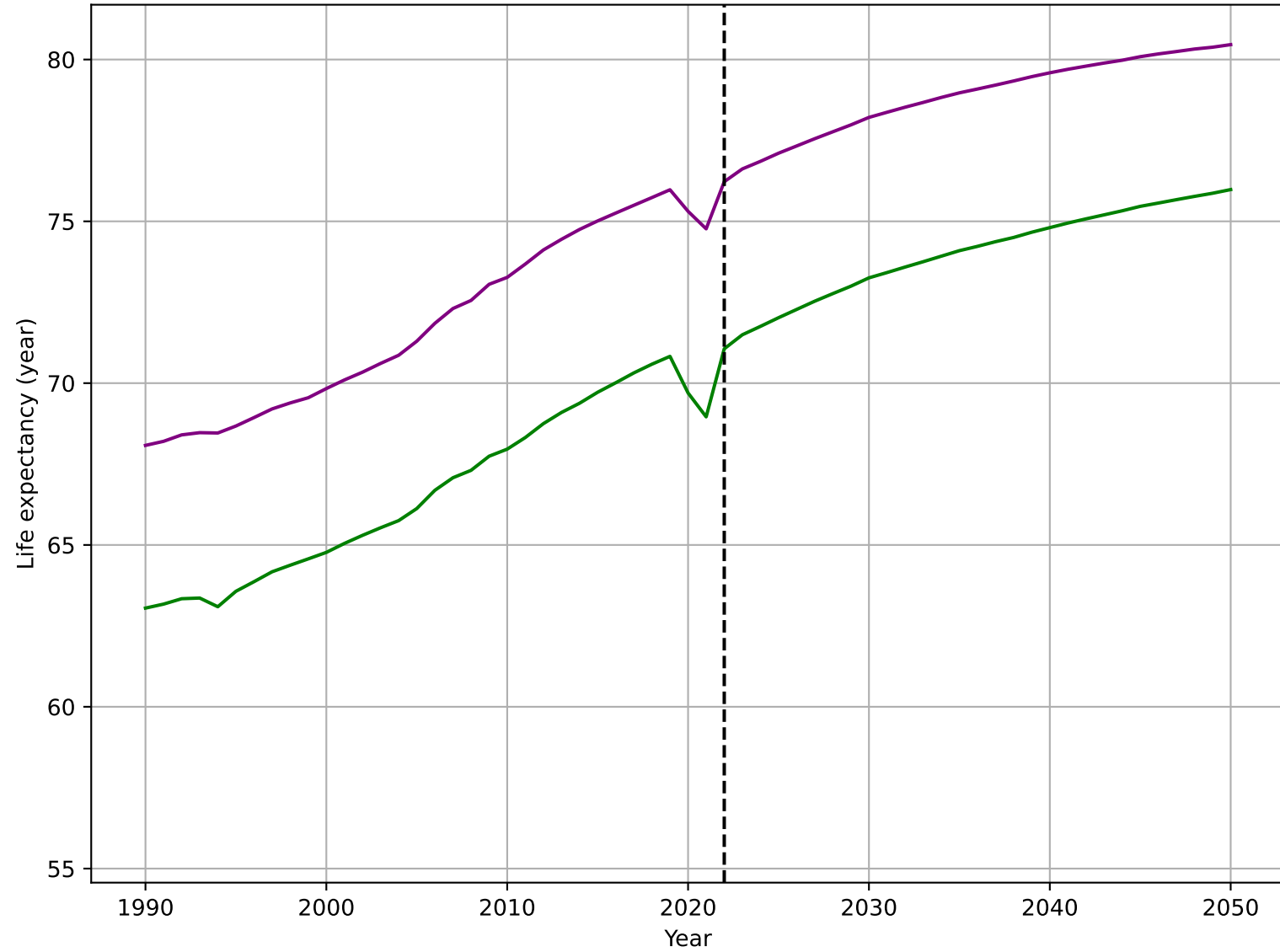
### Healthy Life Expectancy (HALE)



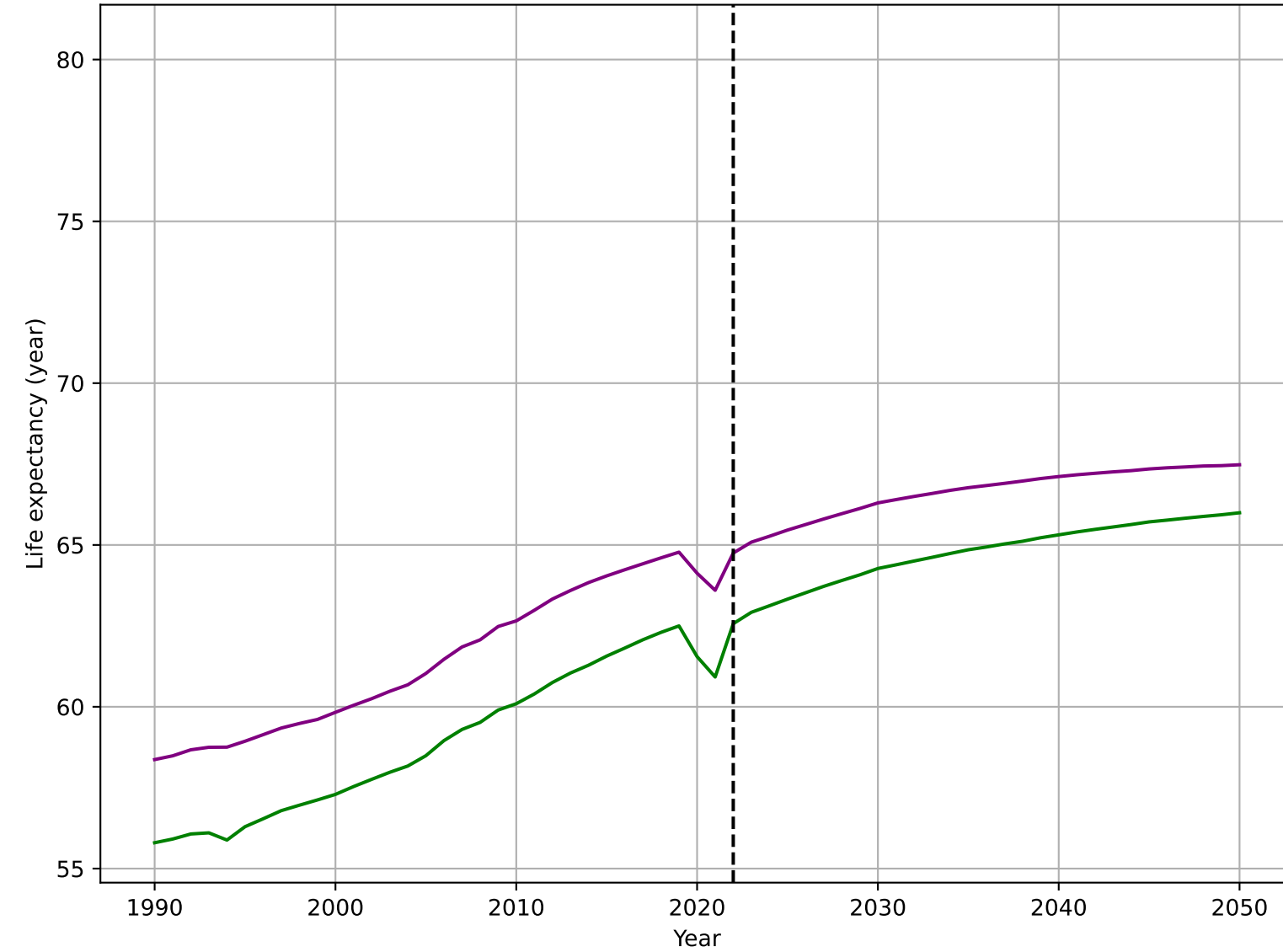


# Global

### Life Expectancy



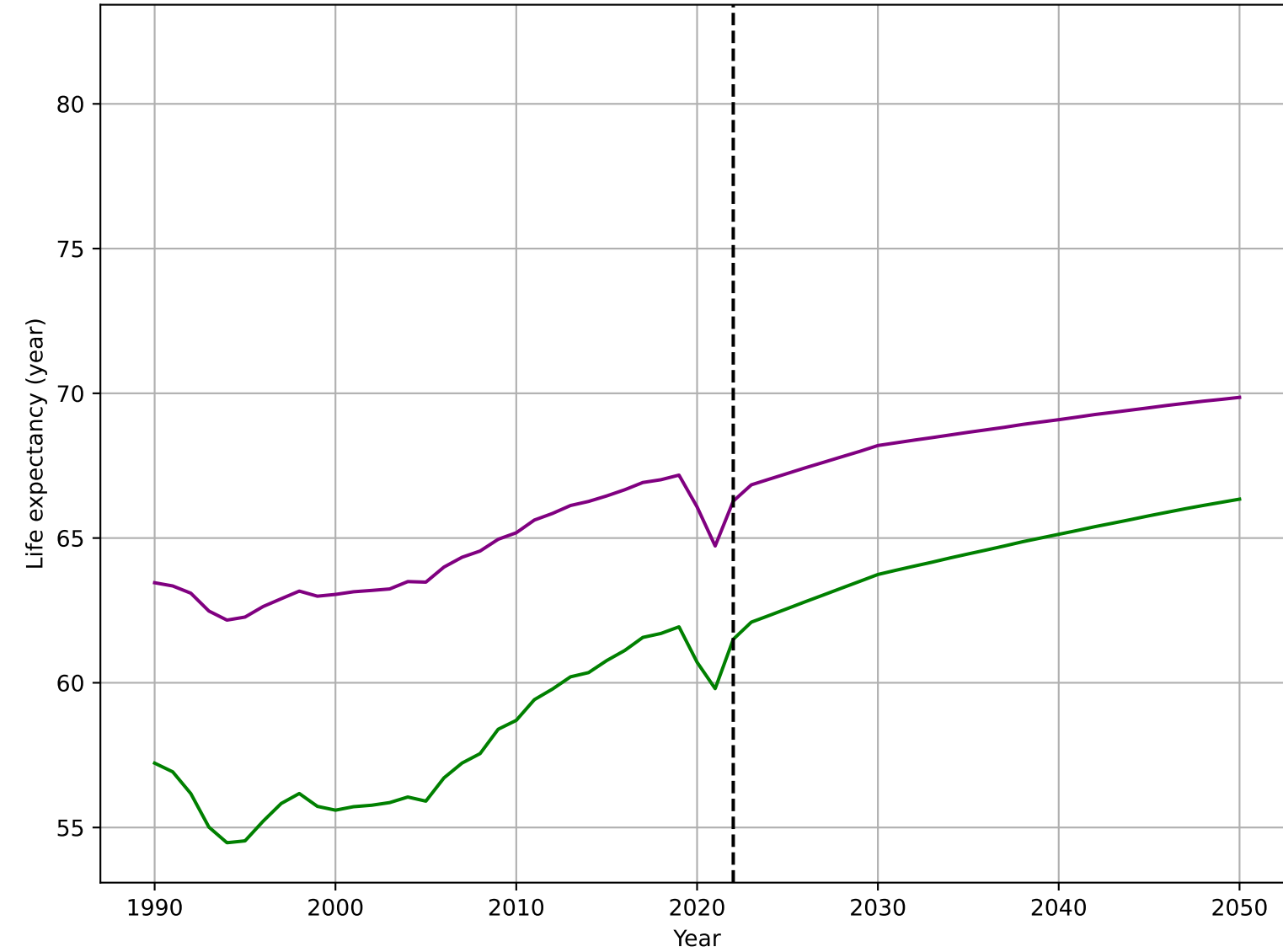
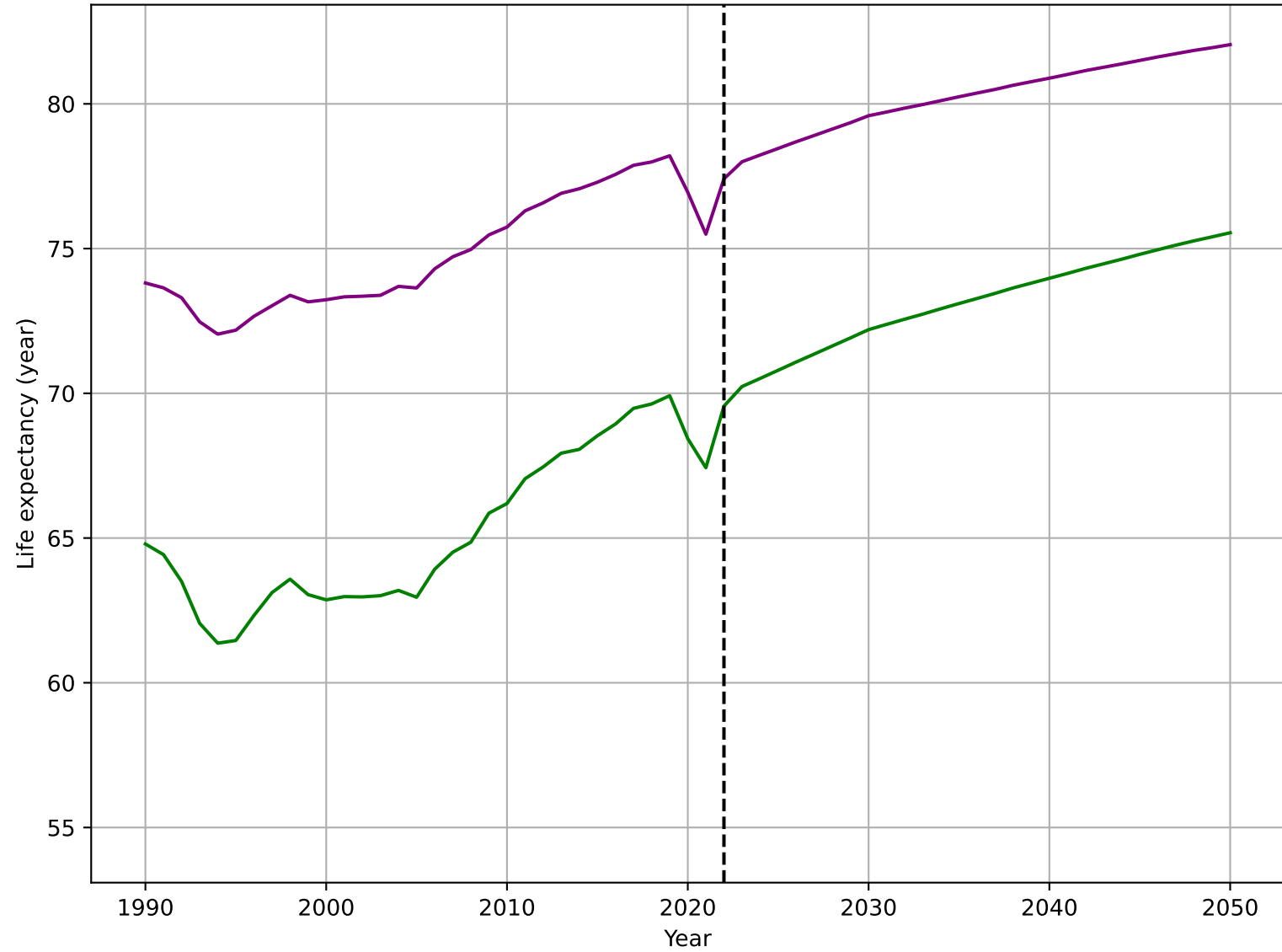
### Healthy Life Expectancy (HALE)



# Central Europe, Eastern Europe, And Central Asia

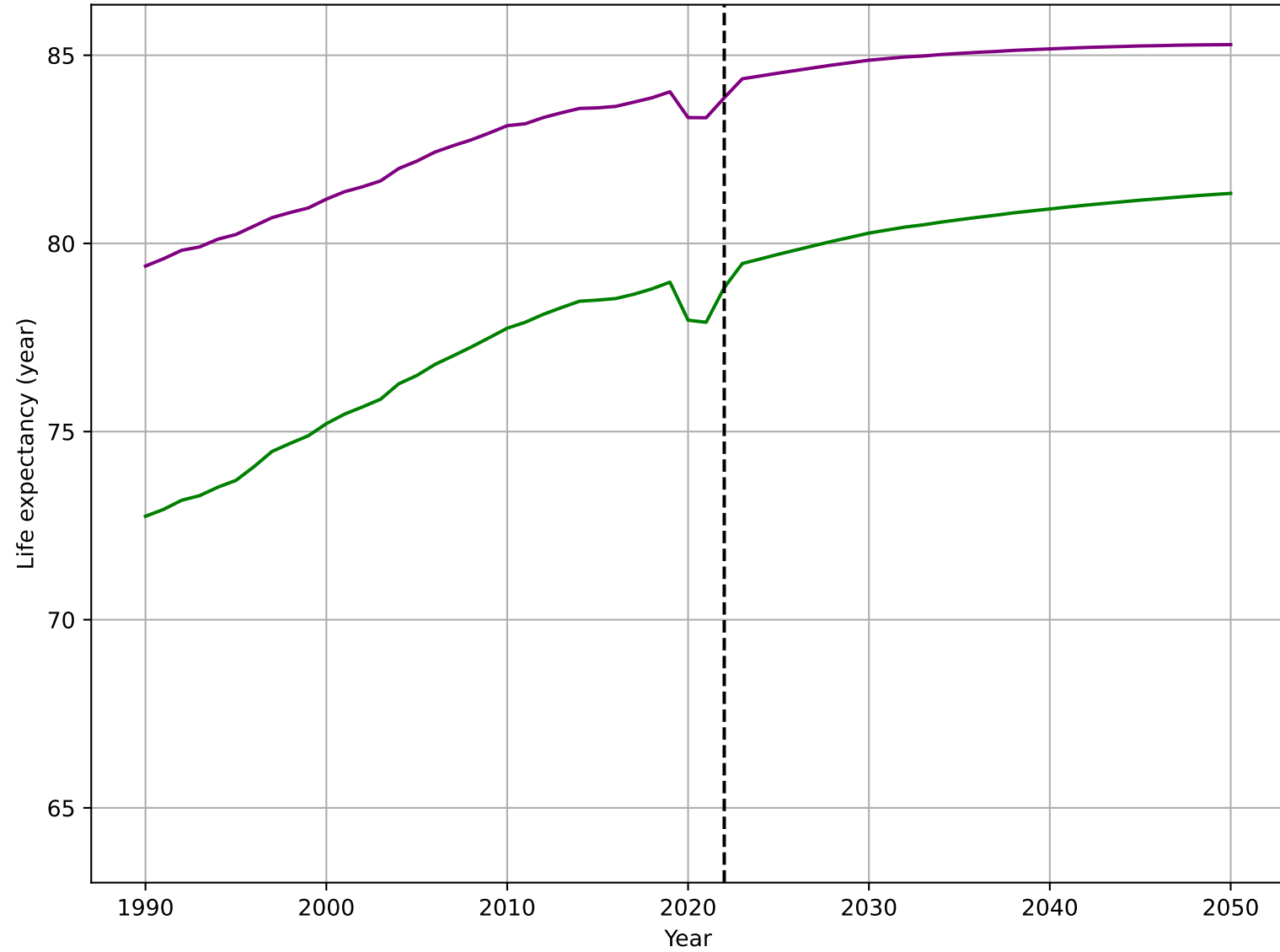
Life Expectancy

Healthy Life Expectancy (HALE)

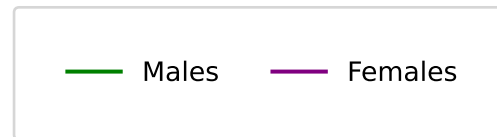
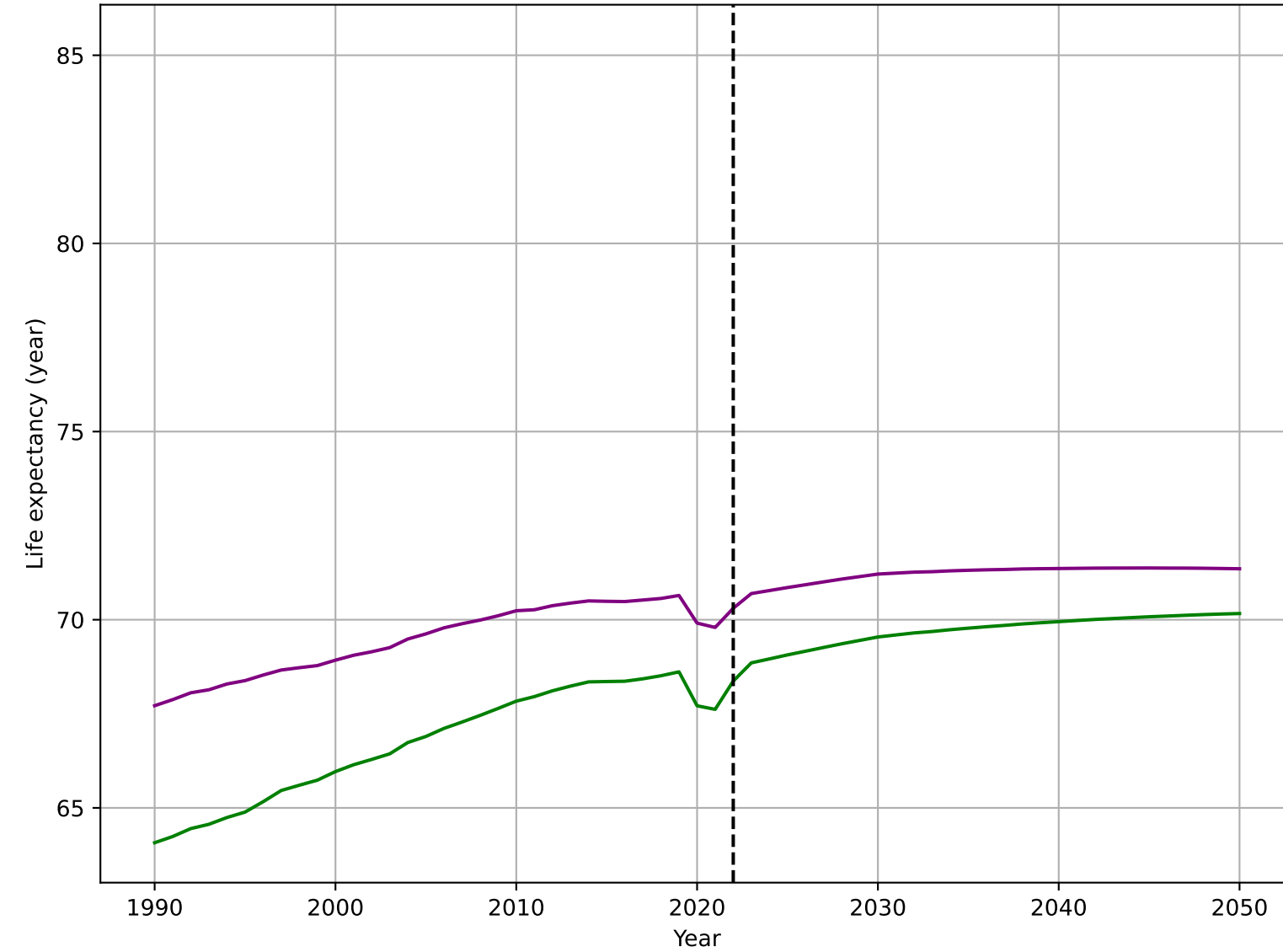


# High Income

### Life Expectancy



### Healthy Life Expectancy (HALE)

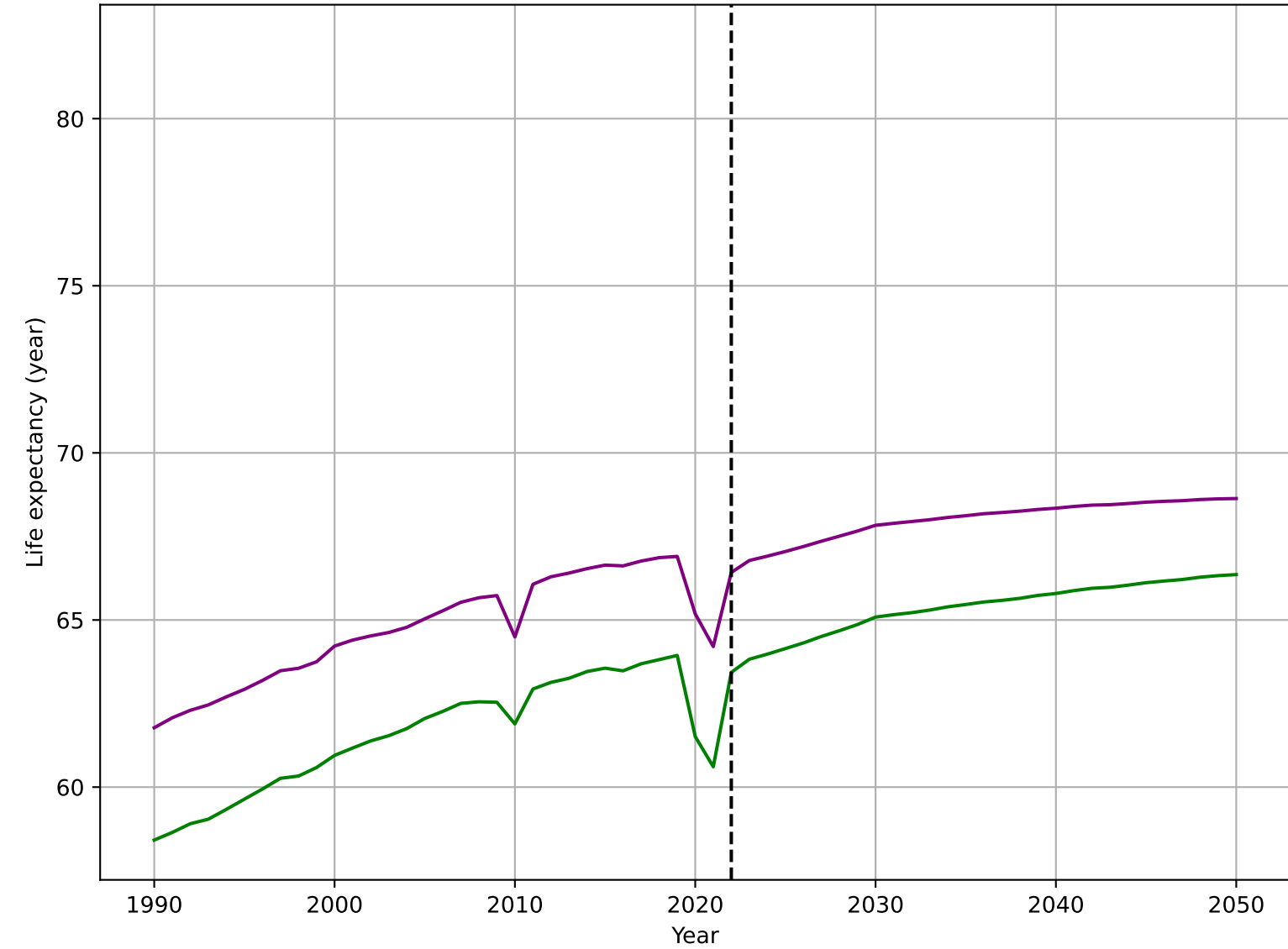


# Latin America And Caribbean

### Life Expectancy

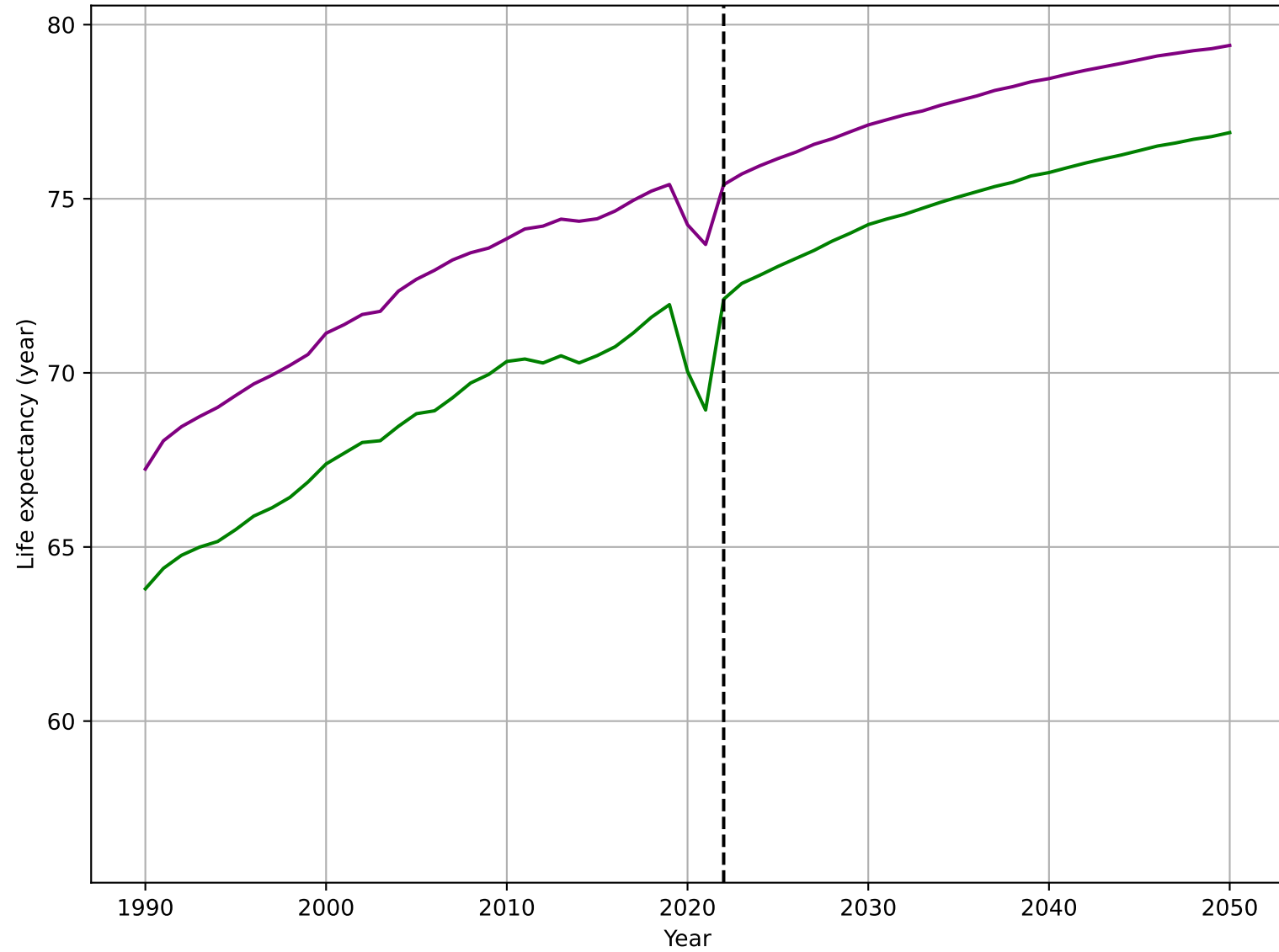


### Healthy Life Expectancy (HALE)

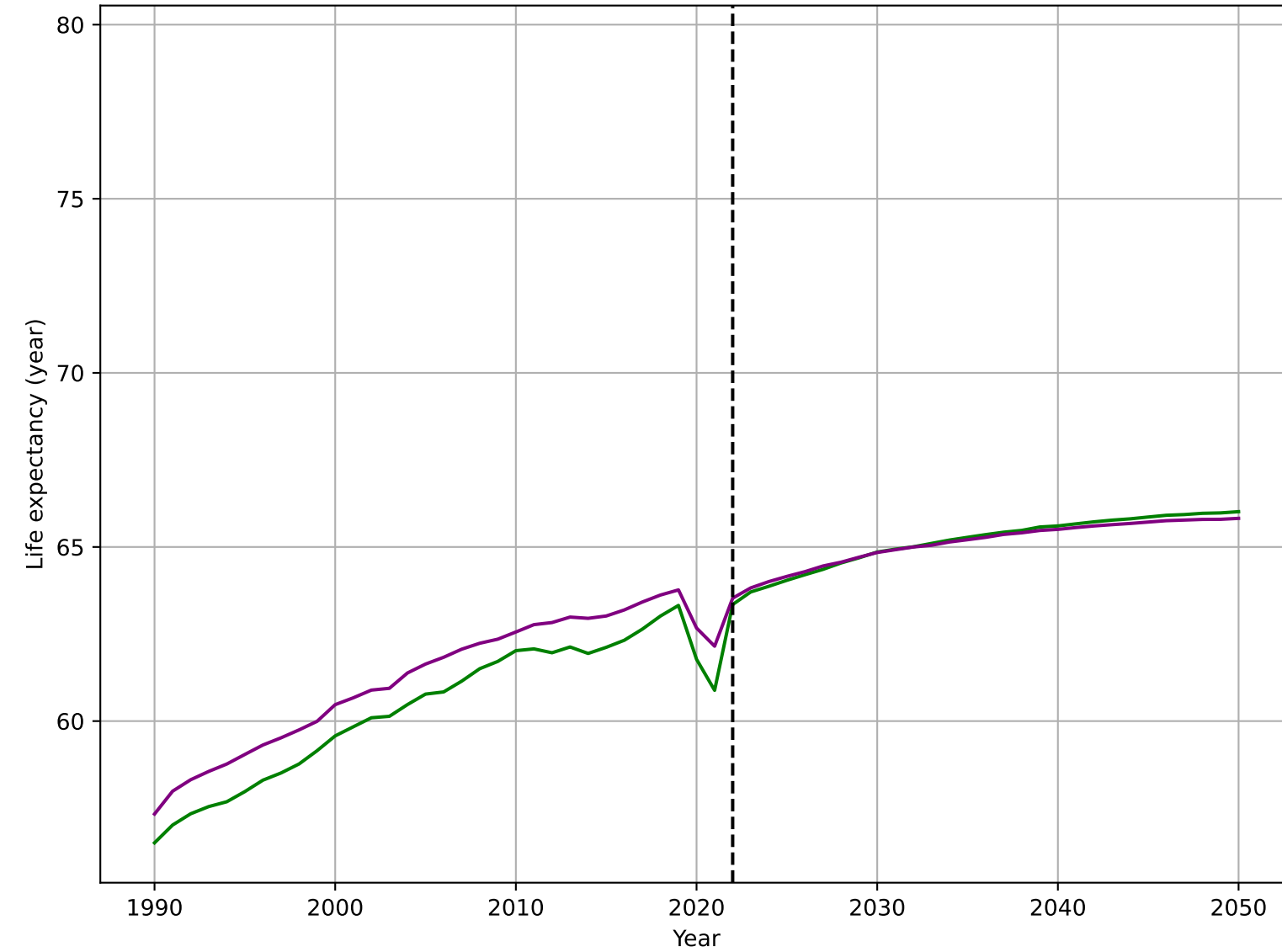


# North Africa And Middle East

### Life Expectancy

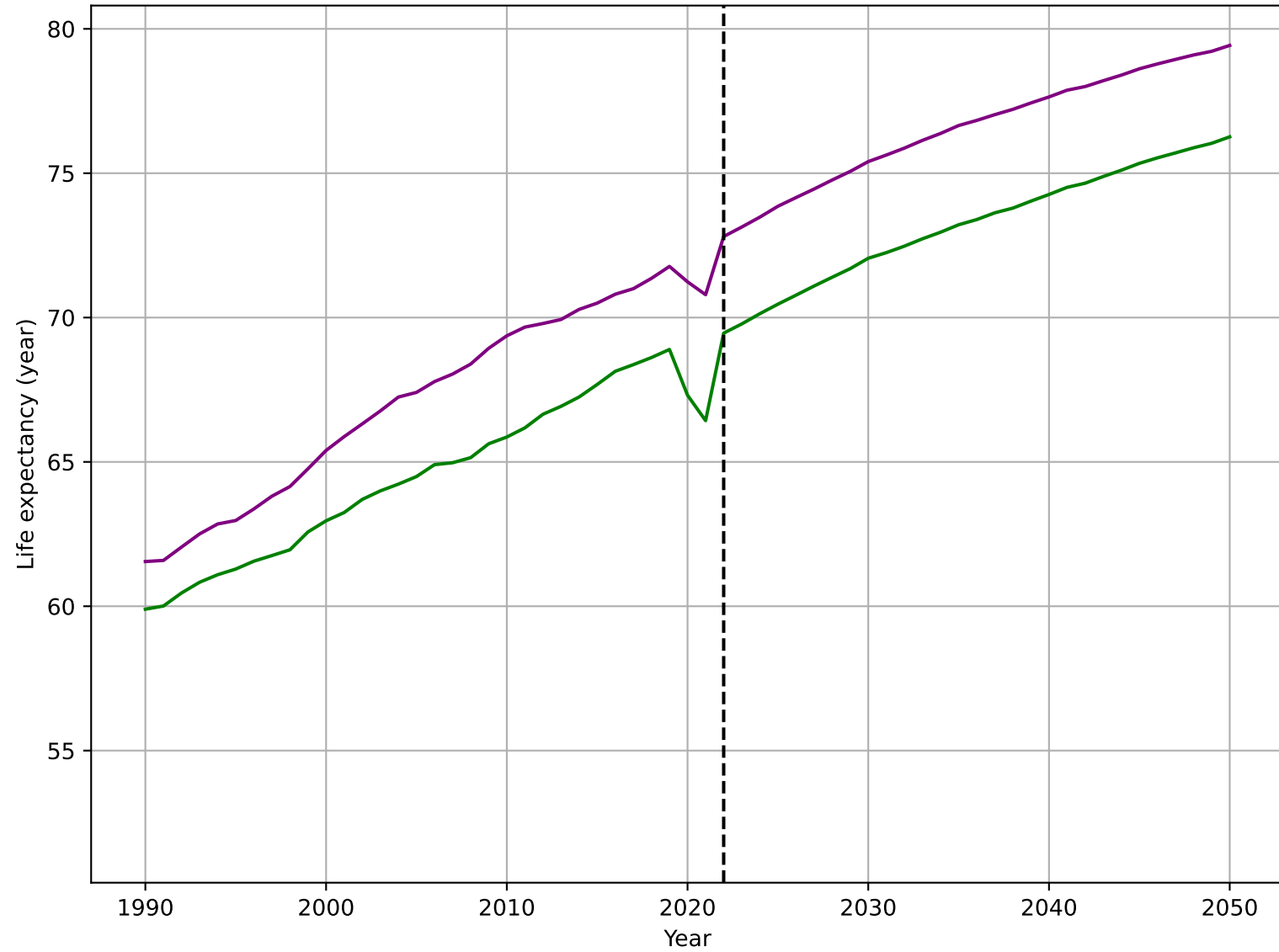


### Healthy Life Expectancy (HALE)

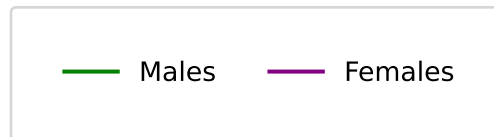
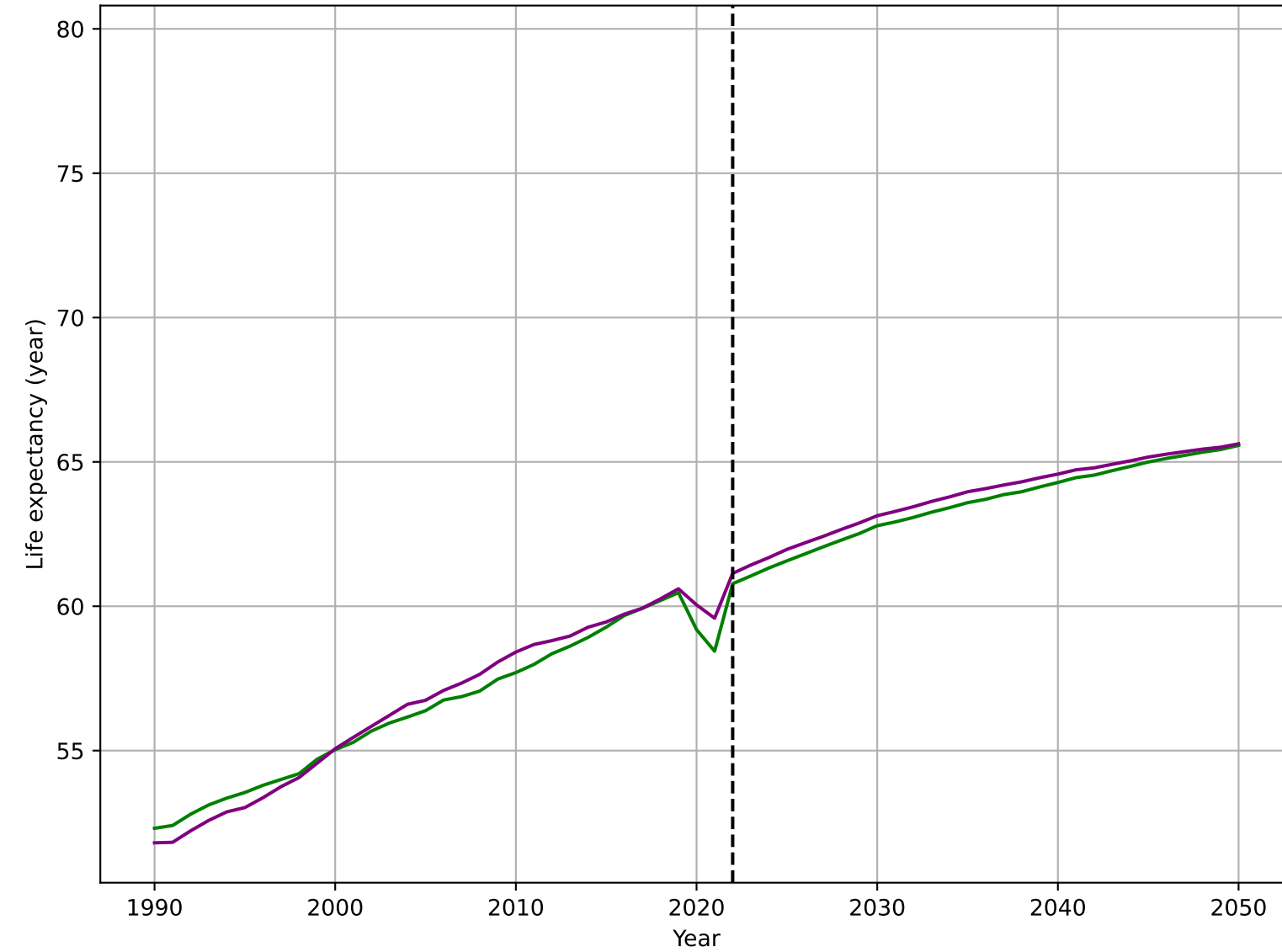


# South Asia

### Life Expectancy



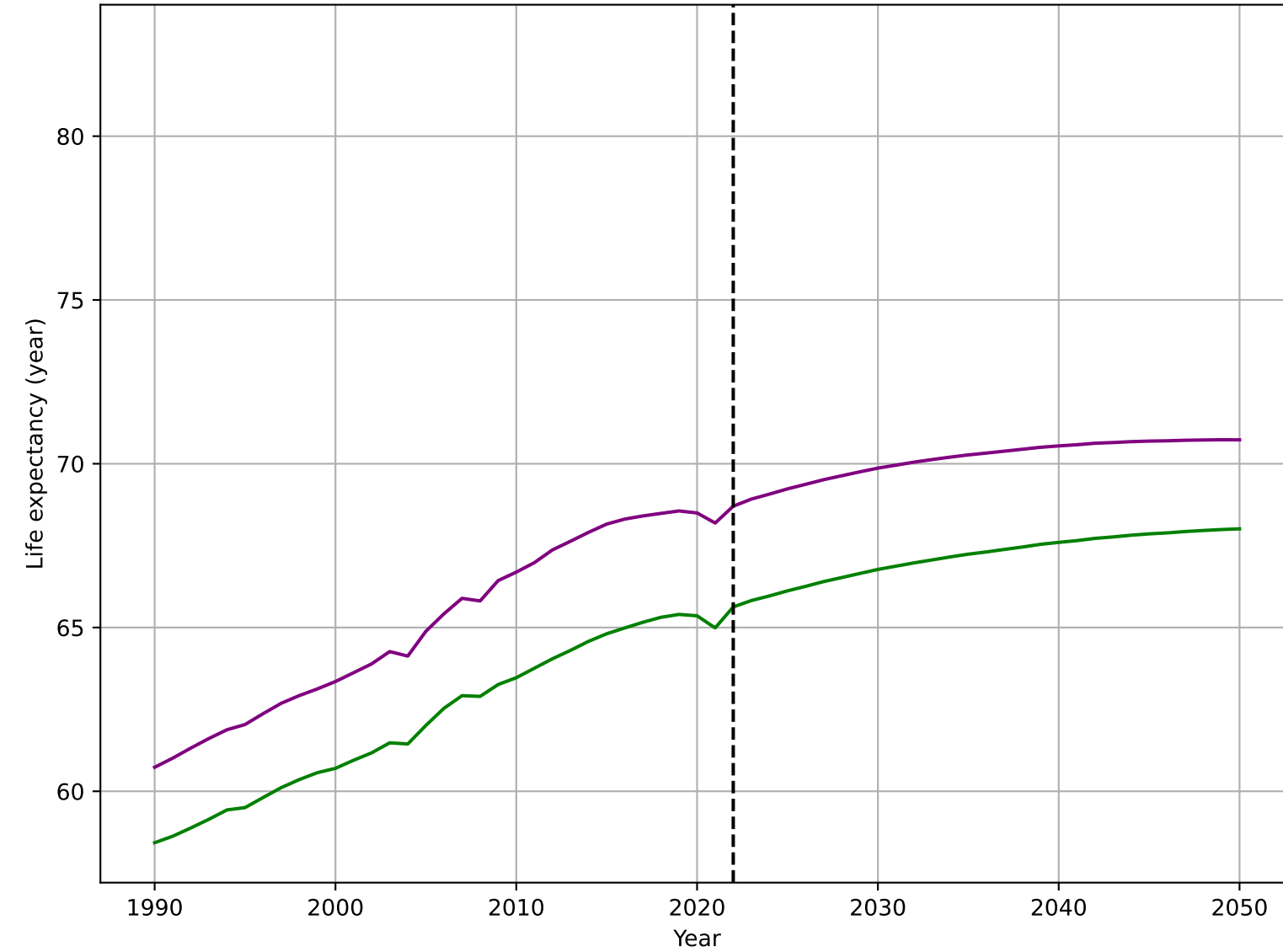
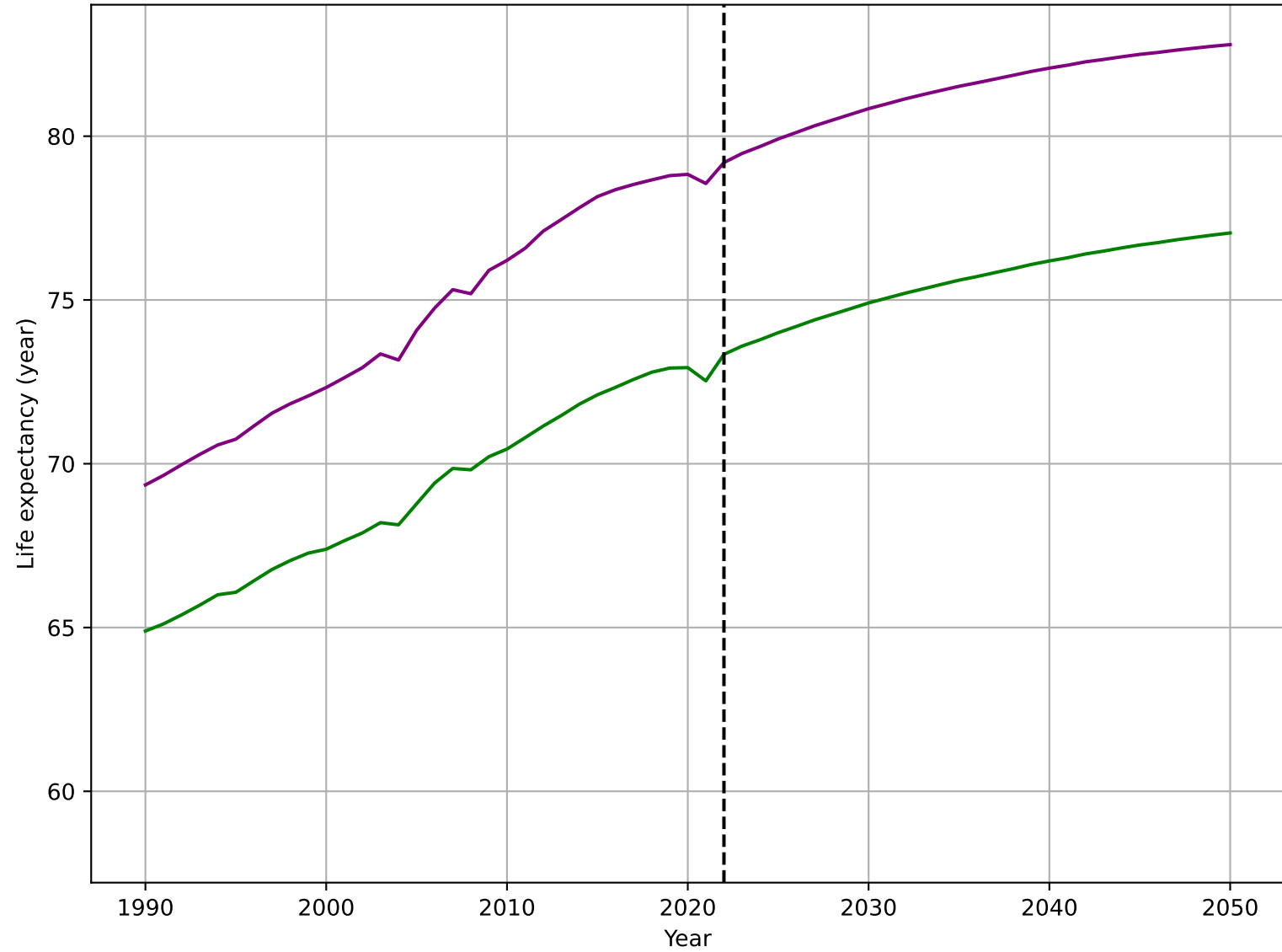
### Healthy Life Expectancy (HALE)



# Southeast Asia, East Asia, And Oceania

Life Expectancy

Healthy Life Expectancy (HALE)

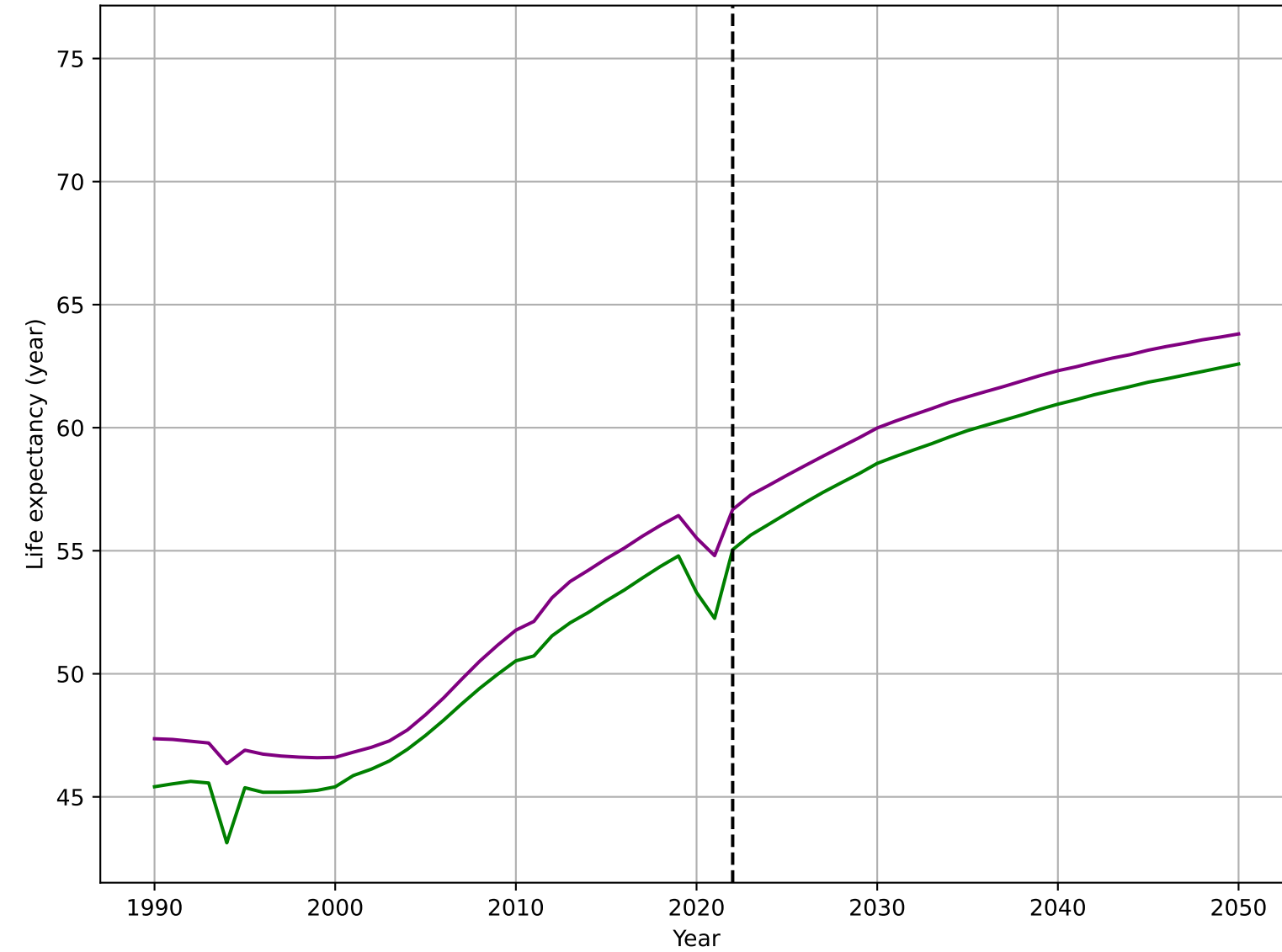


# Sub-Saharan Africa

## Life Expectancy



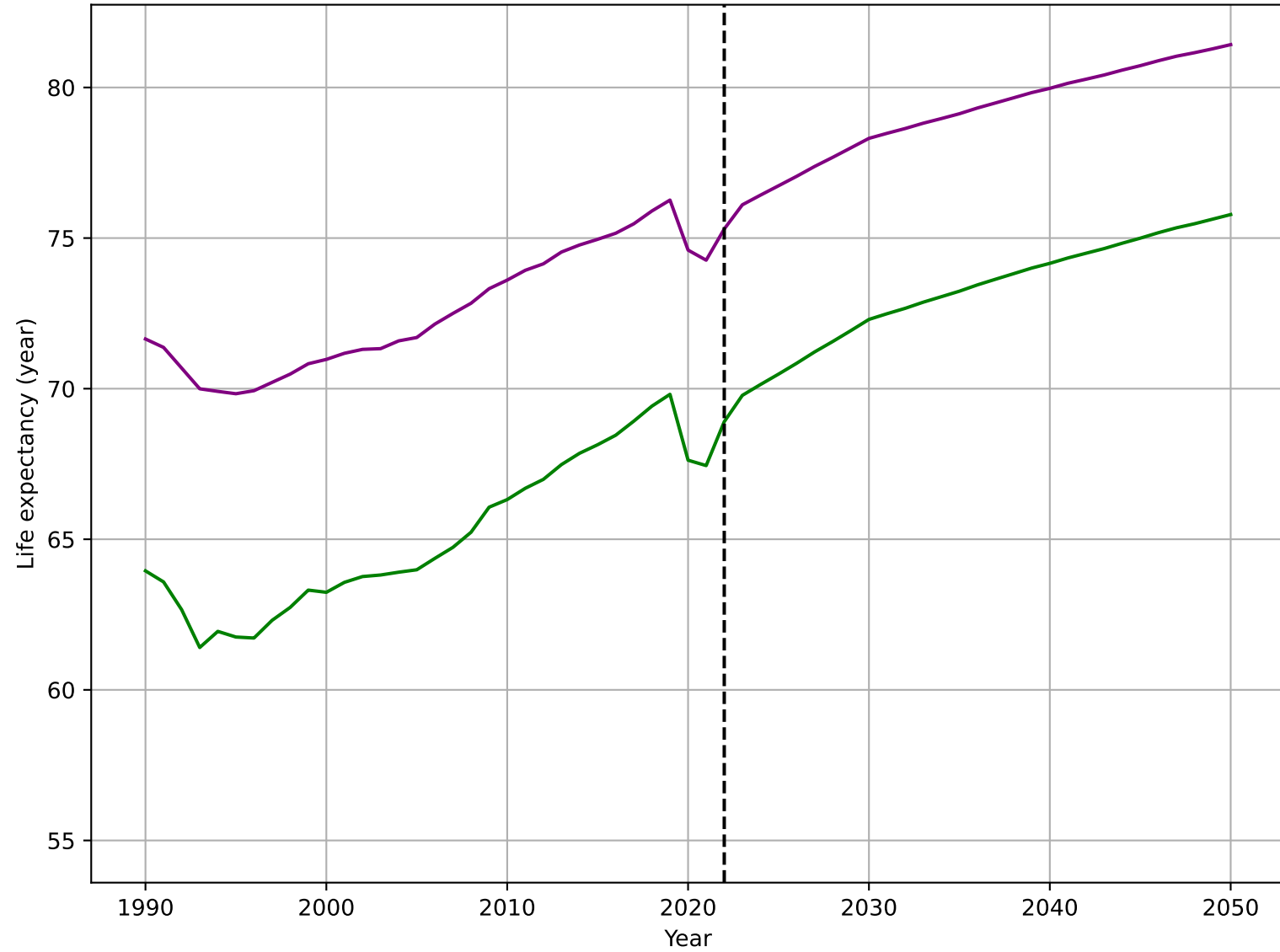
## Healthy Life Expectancy (HALE)



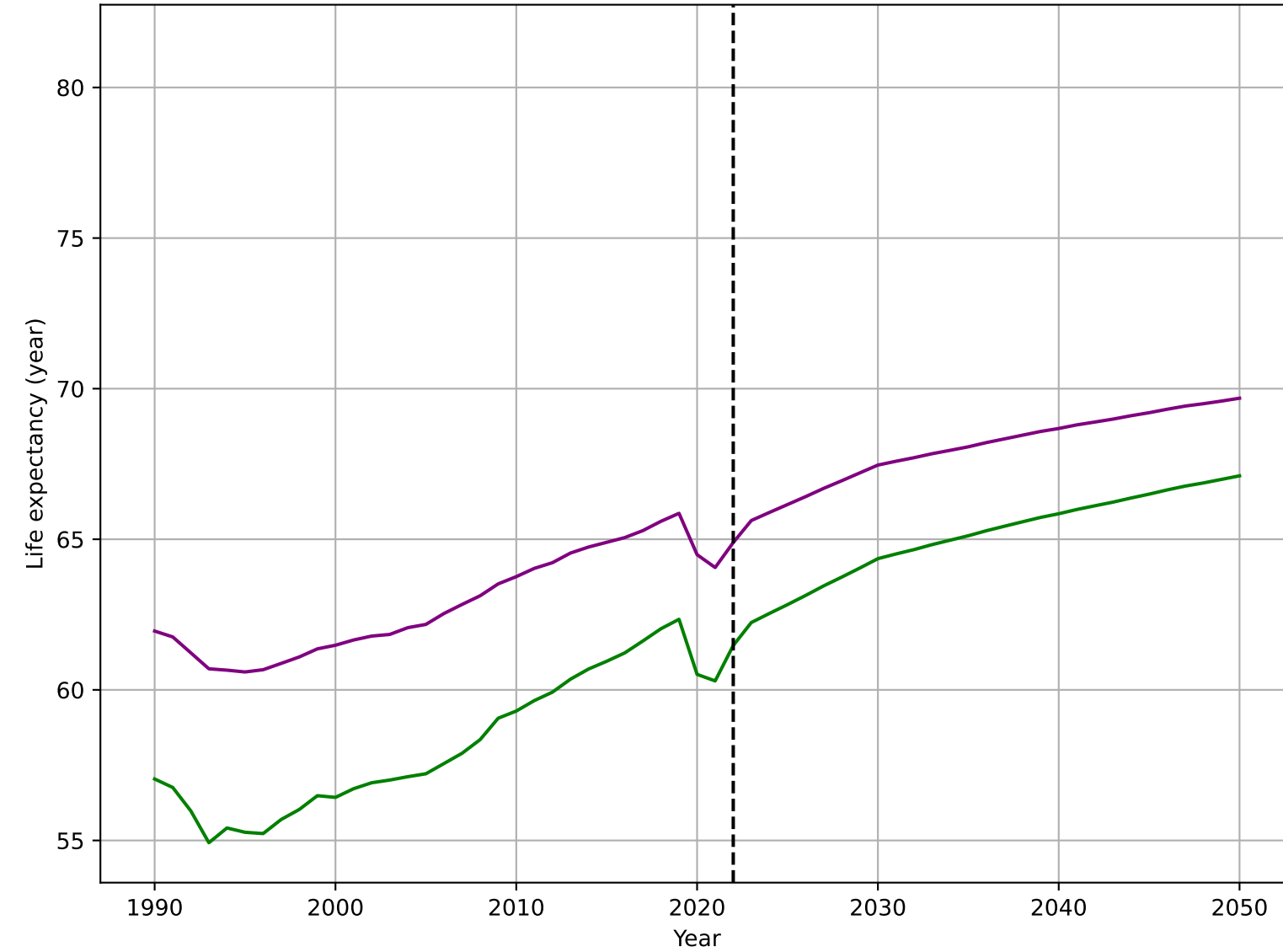


# Central Asia

### Life Expectancy

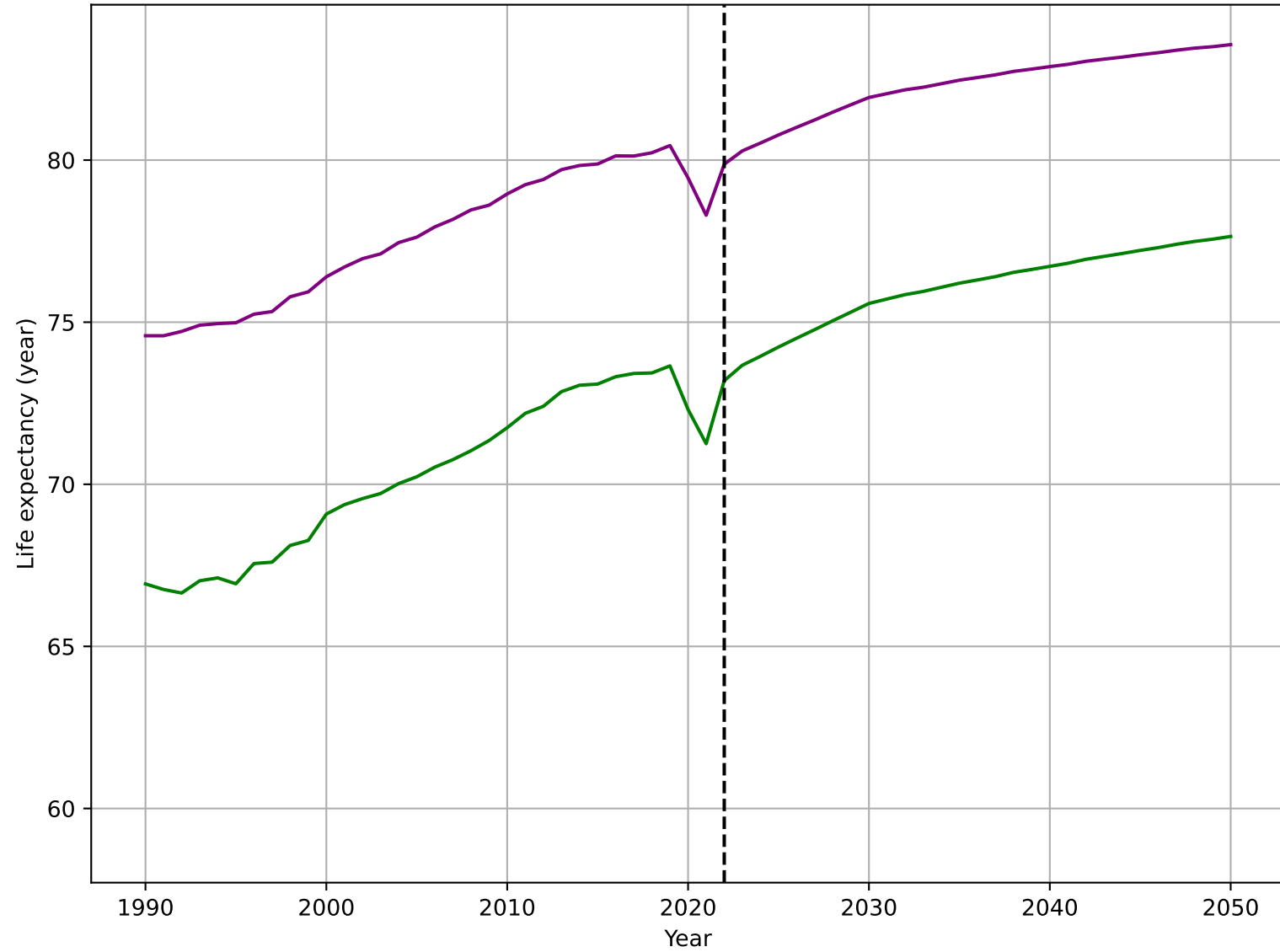


### Healthy Life Expectancy (HALE)

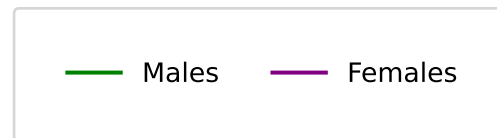
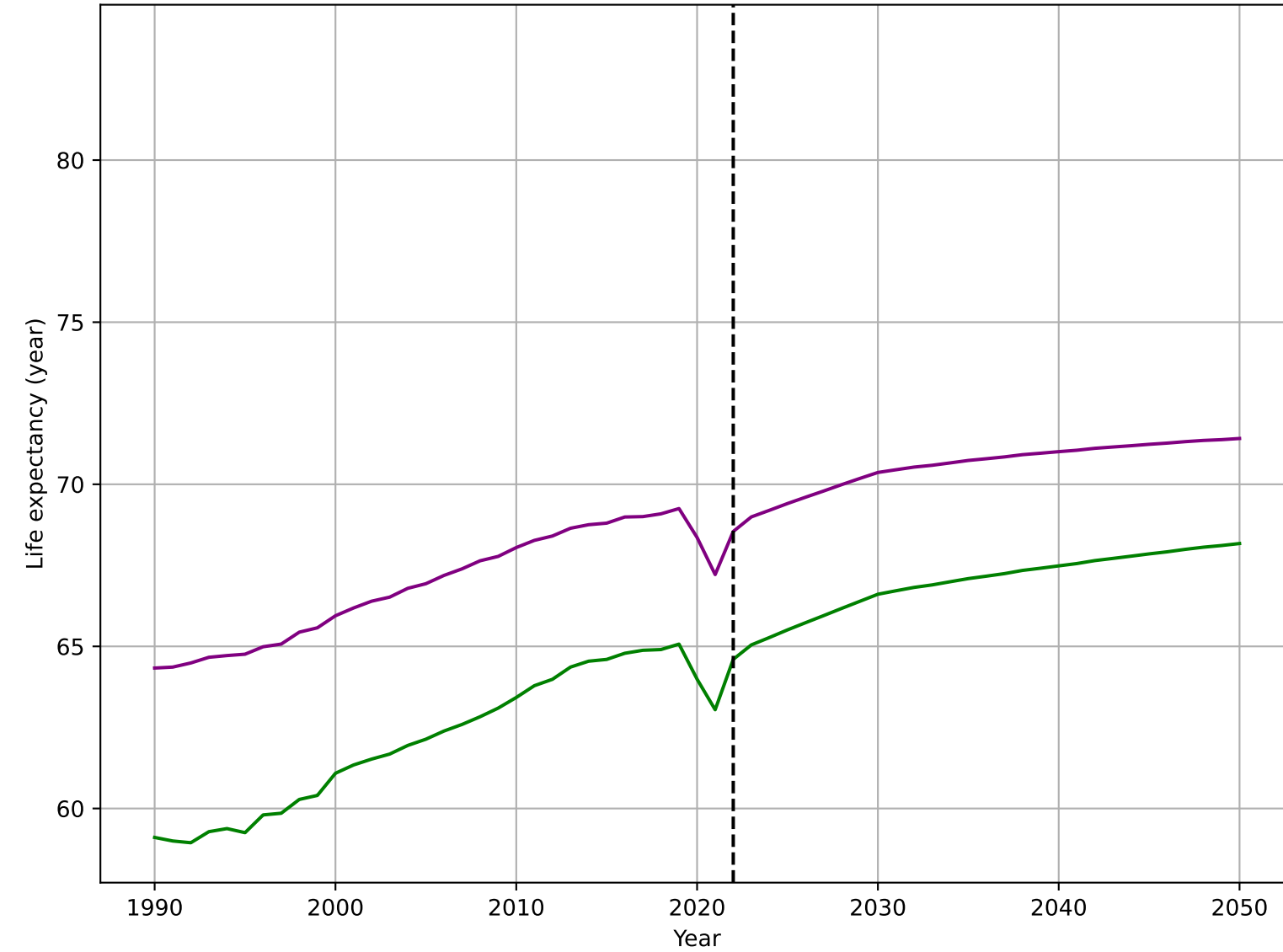


# Central Europe

### Life Expectancy

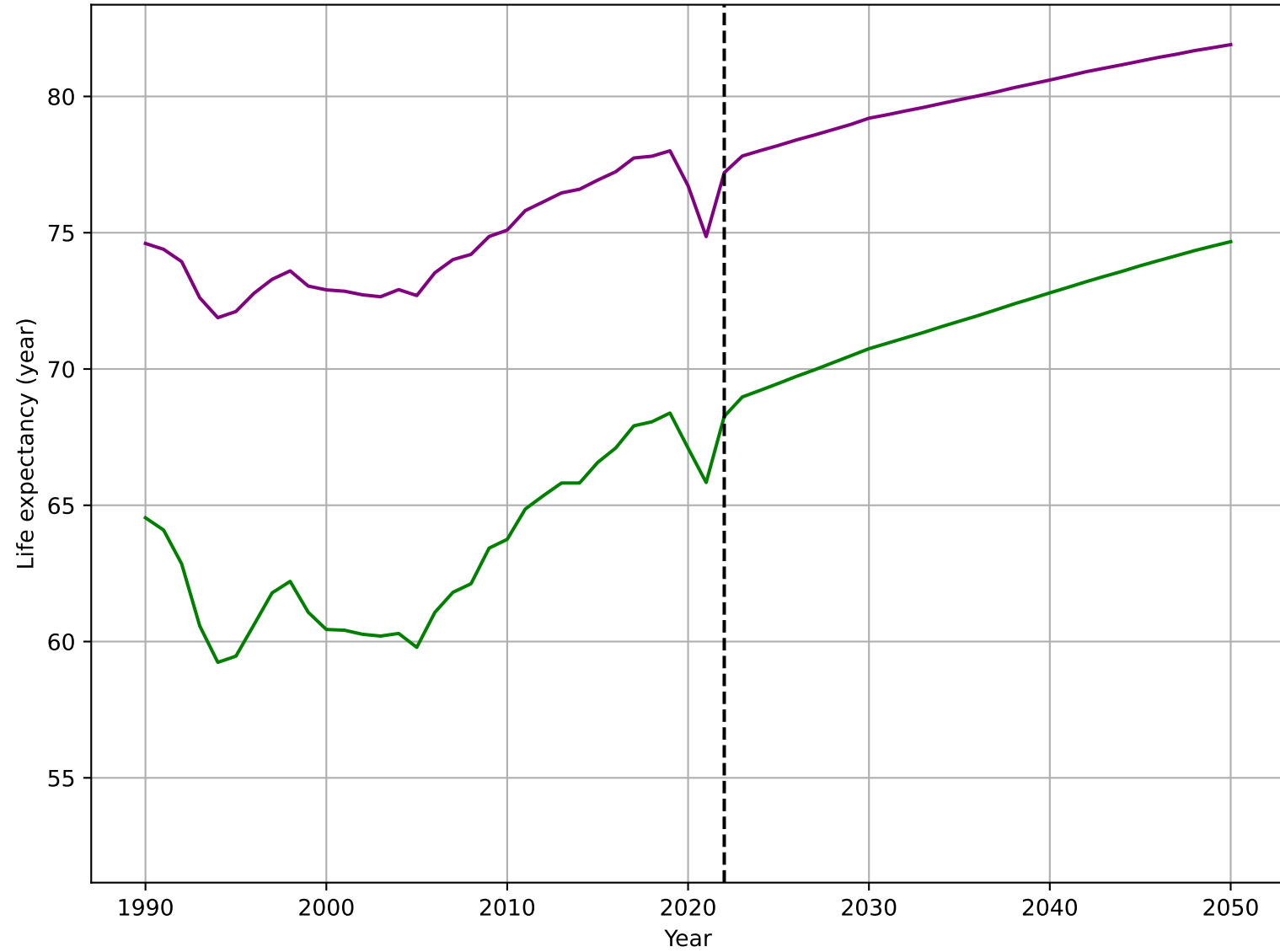


### Healthy Life Expectancy (HALE)

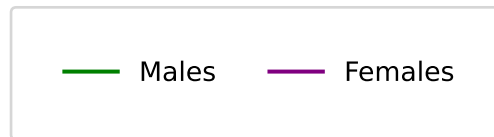
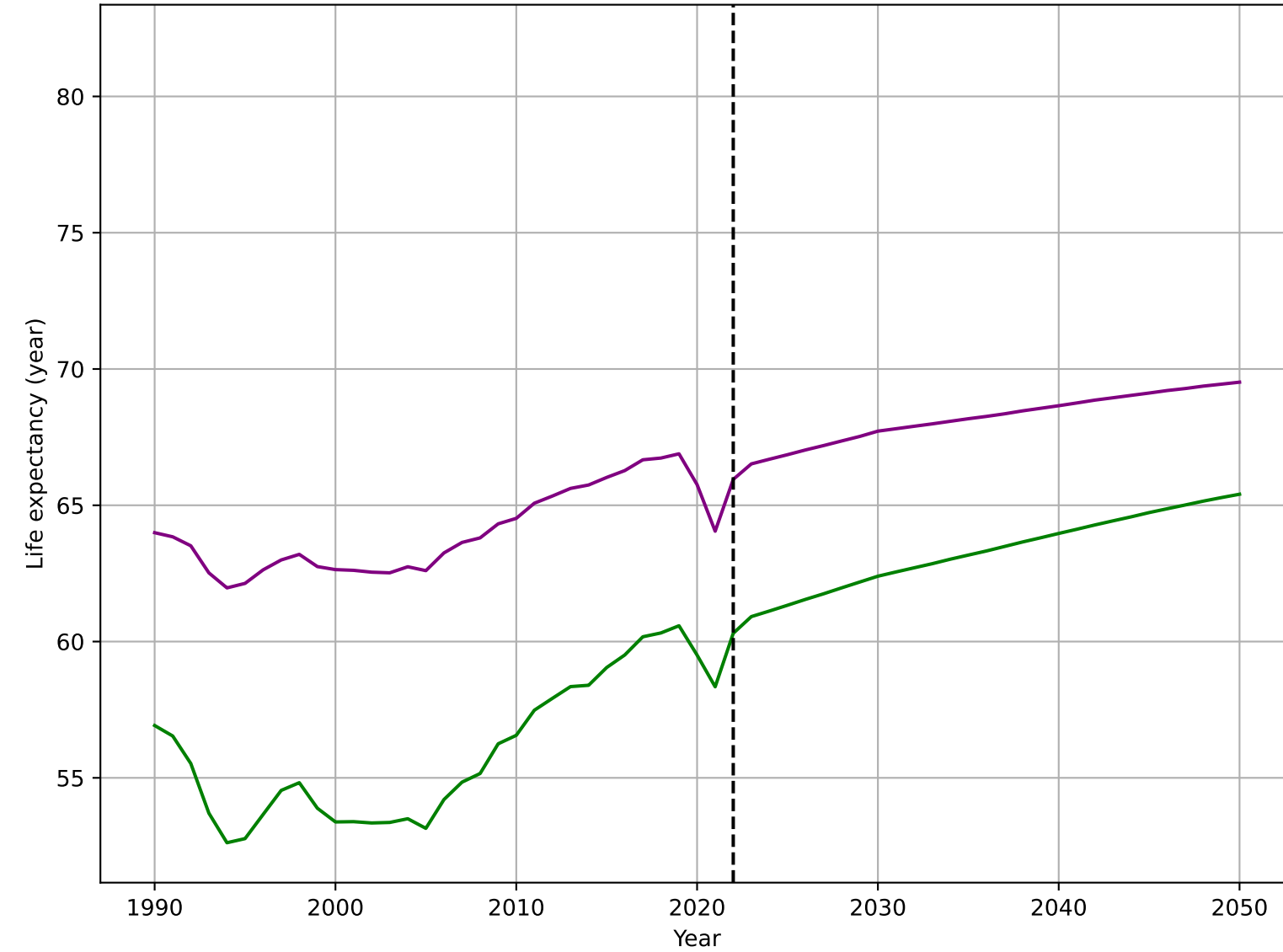


# Eastern Europe

### Life Expectancy

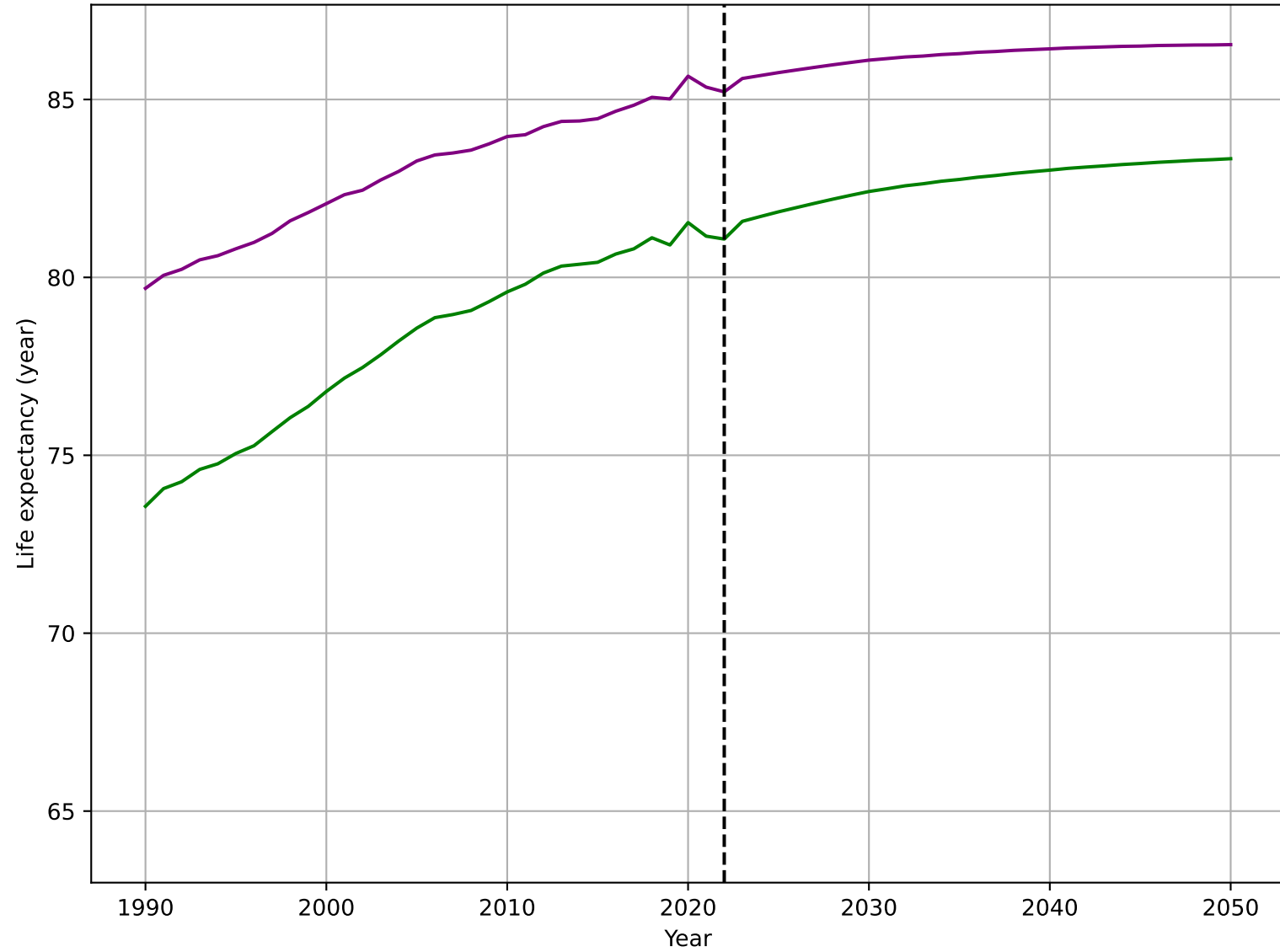


### Healthy Life Expectancy (HALE)

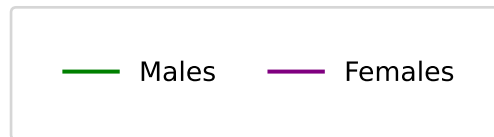
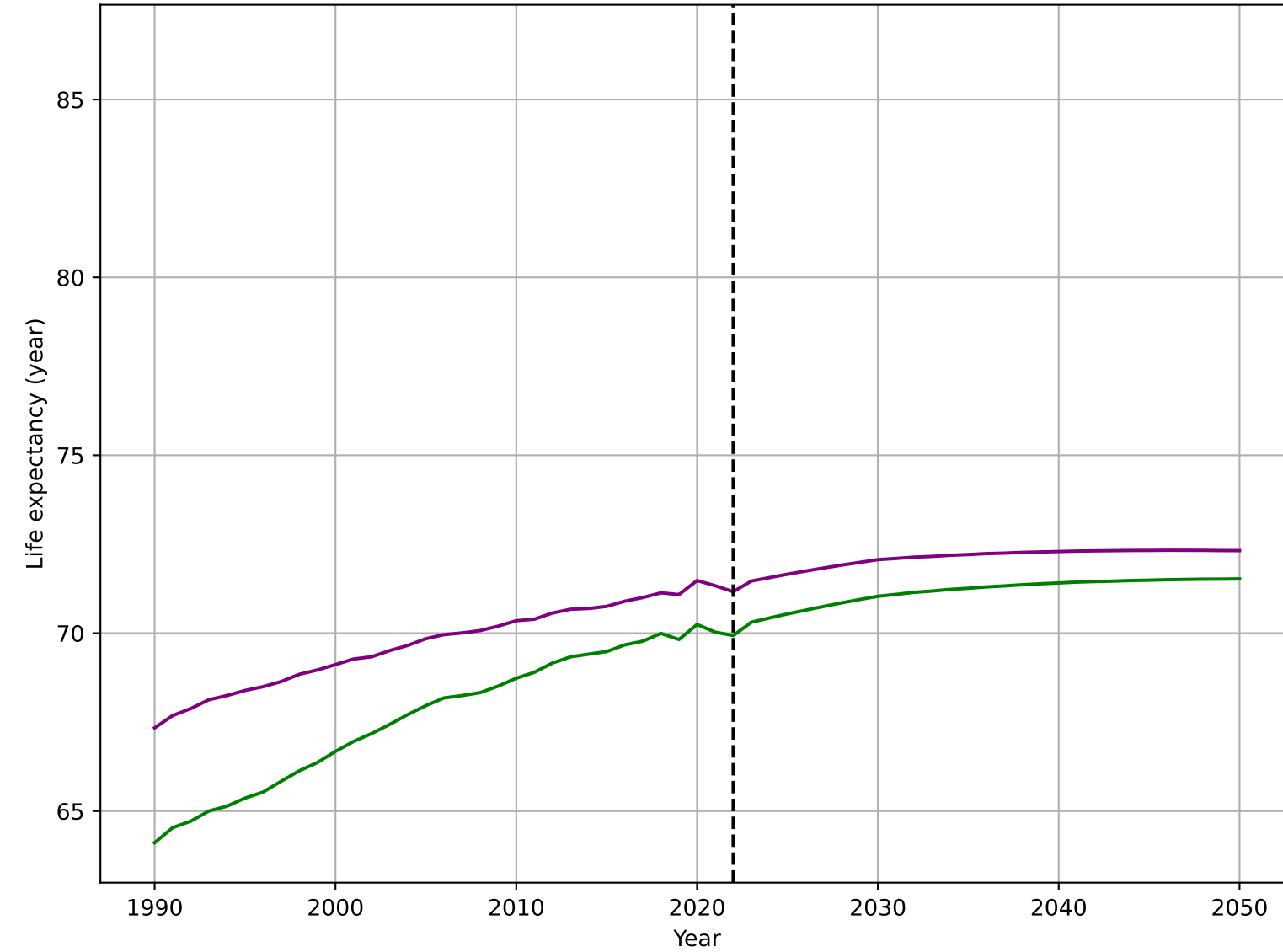


# Australasia

### Life Expectancy

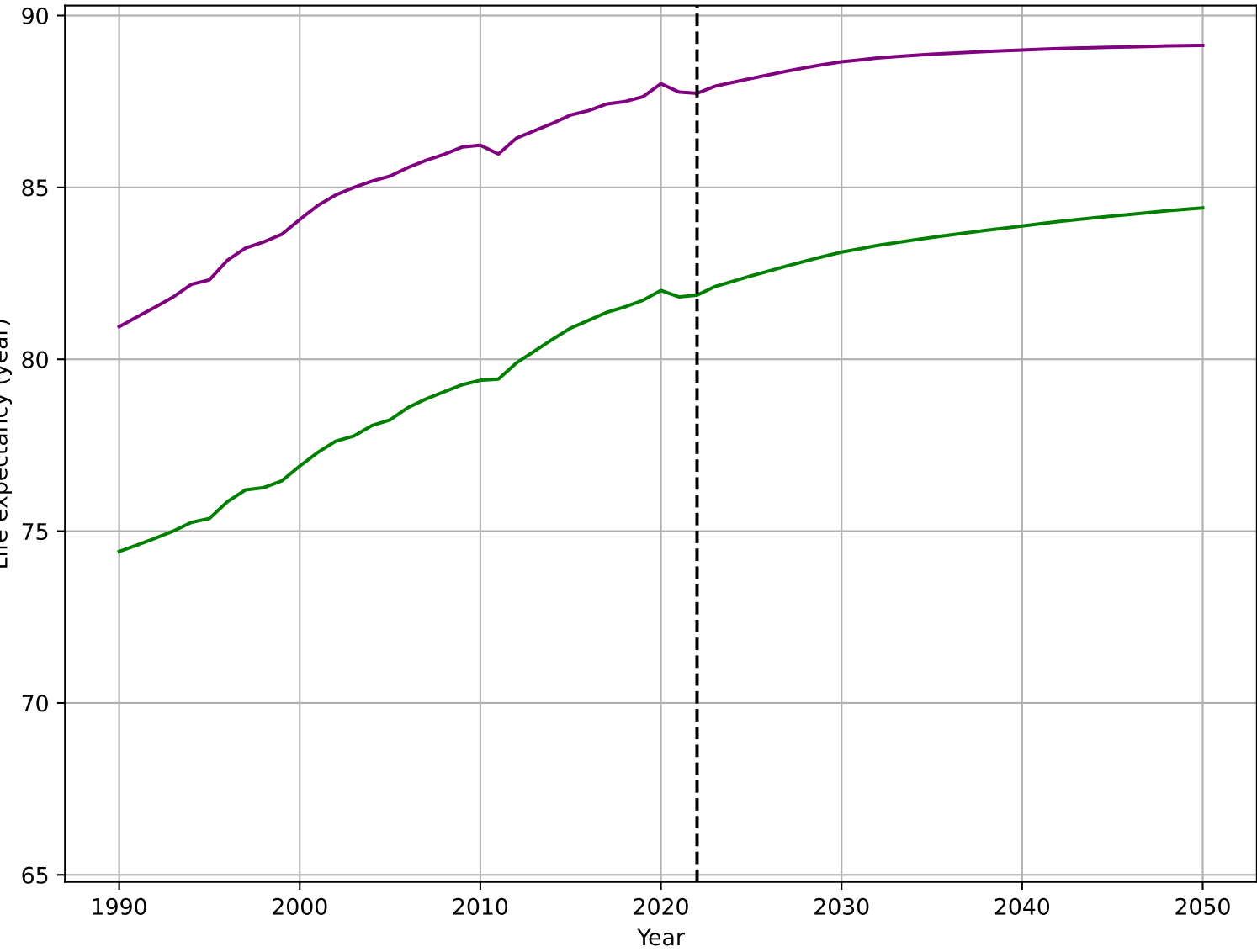


### Healthy Life Expectancy (HALE)

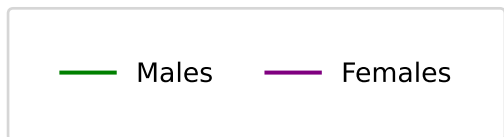
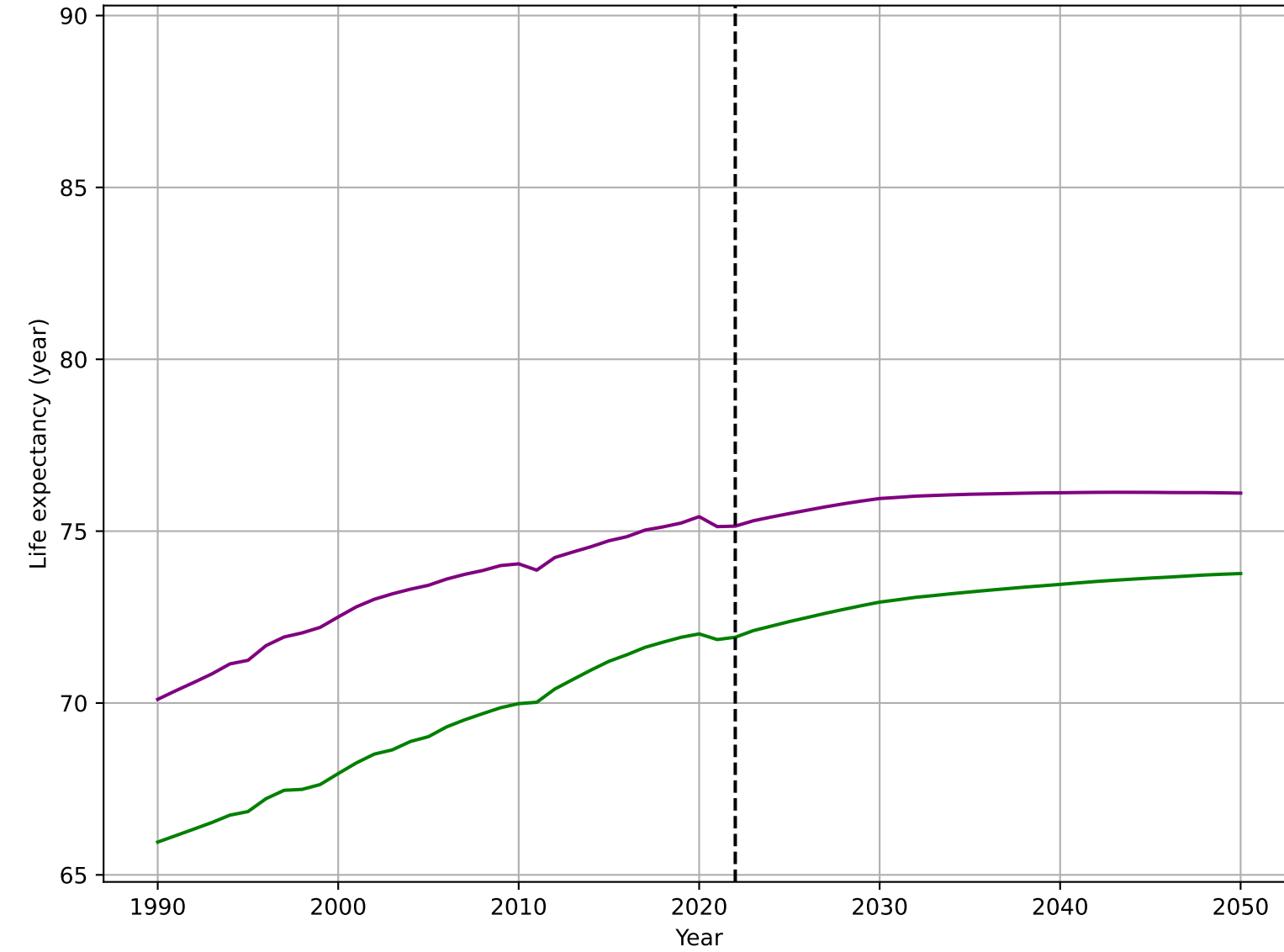


# High-Income Asia Pacific

### Life Expectancy

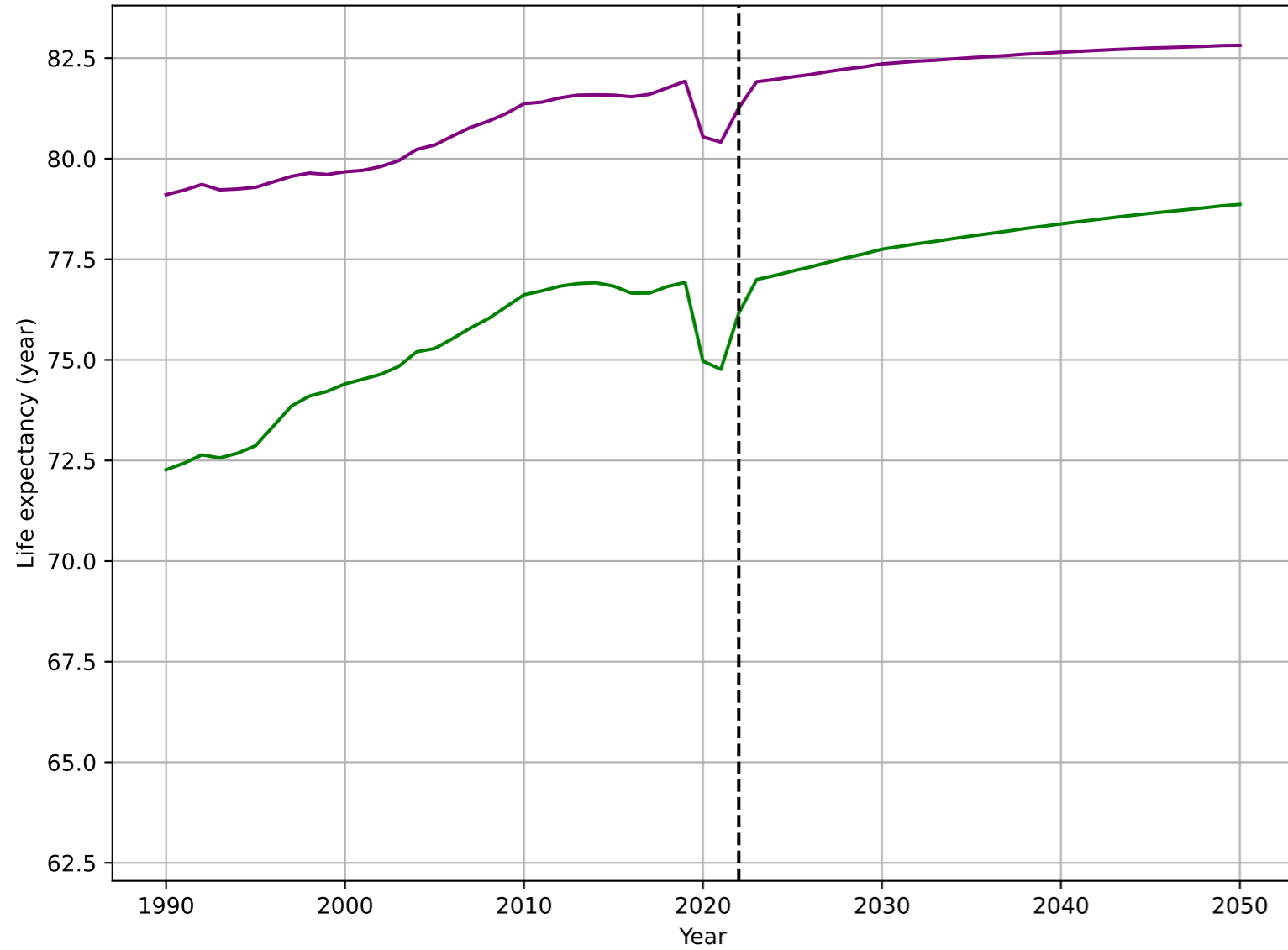


### Healthy Life Expectancy (HALE)

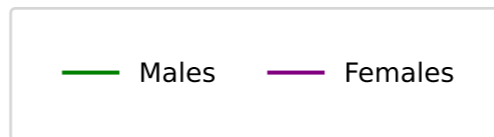
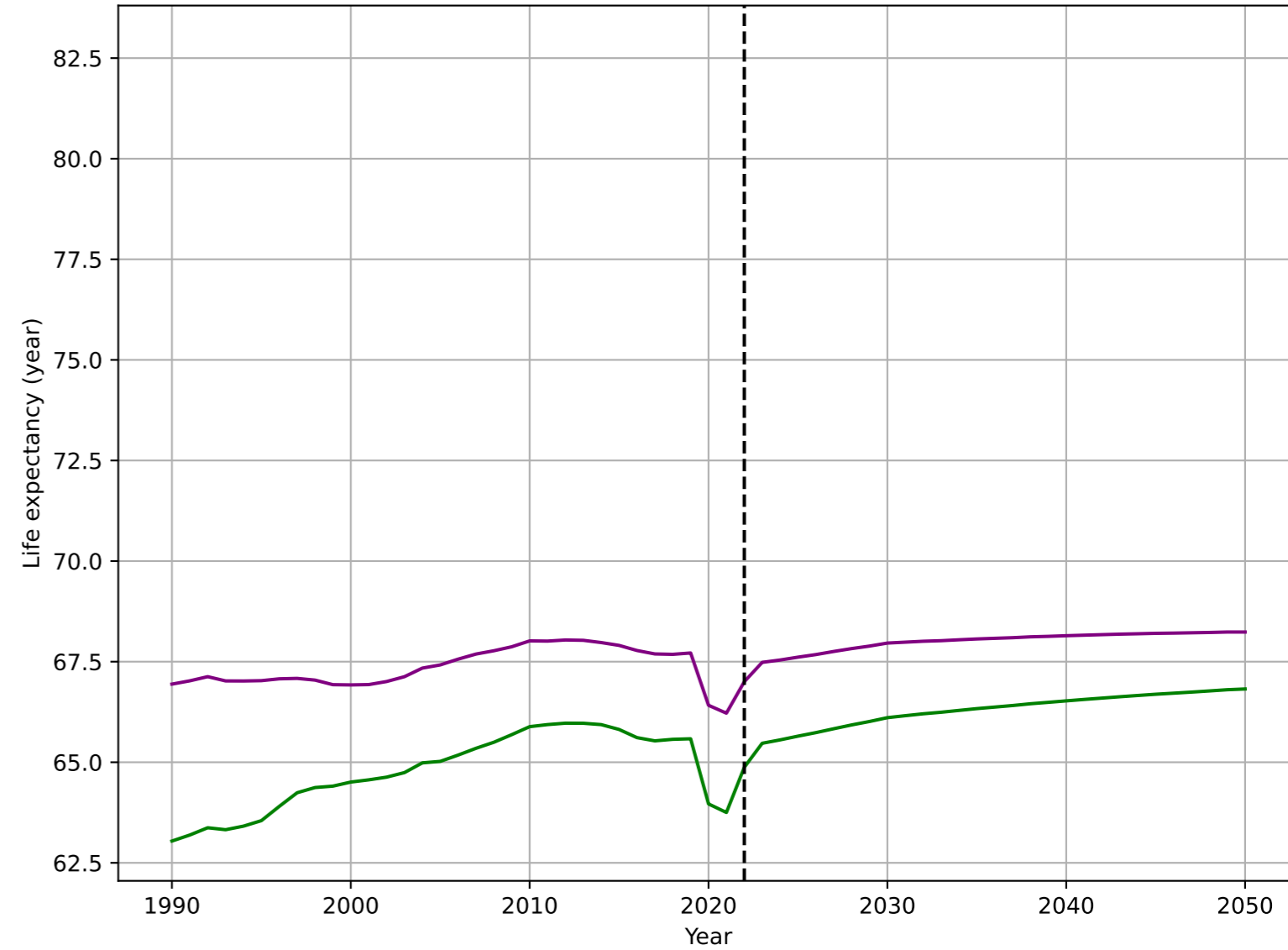


# High-Income North America

### Life Expectancy

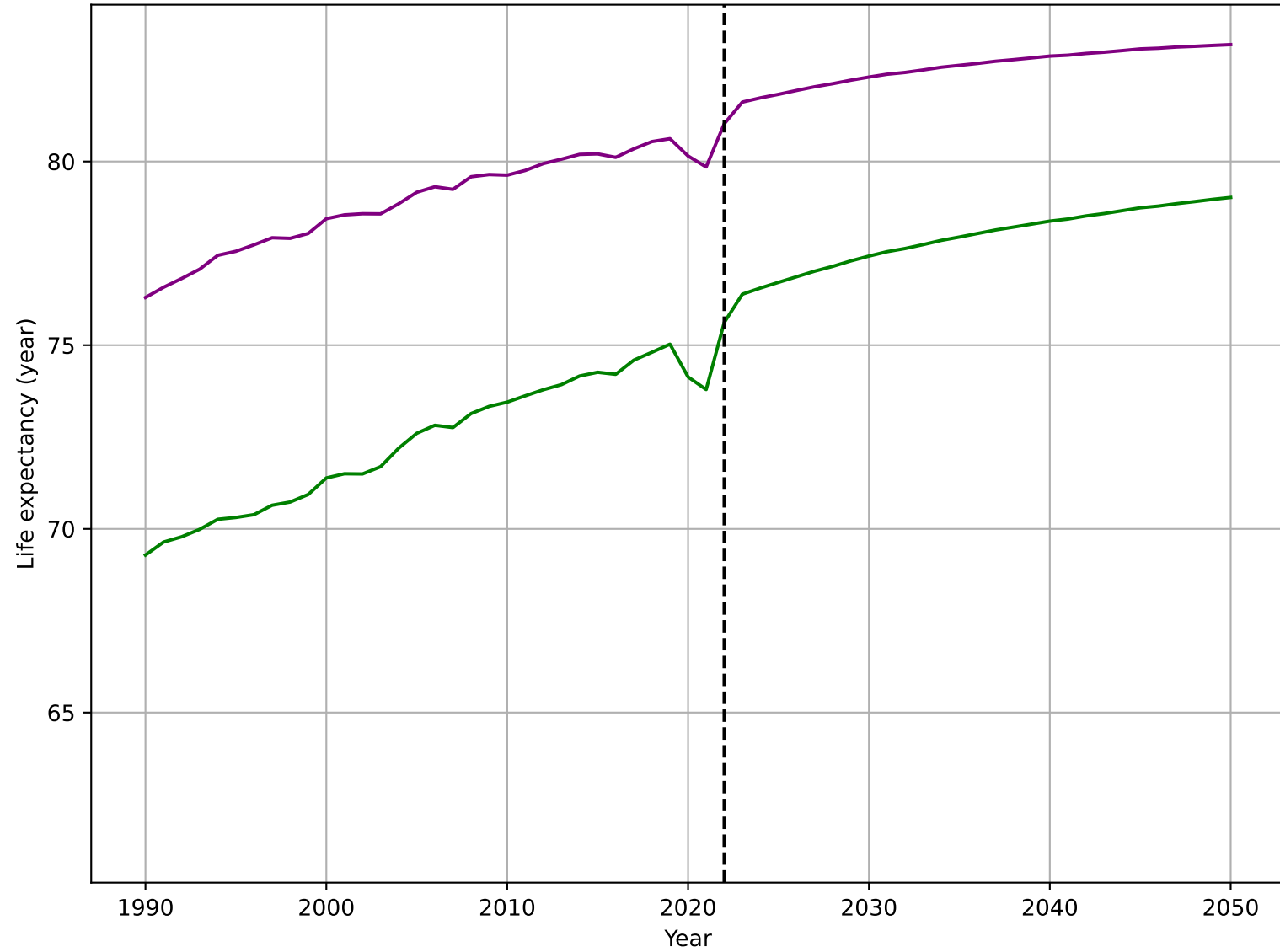


### Healthy Life Expectancy (HALE)

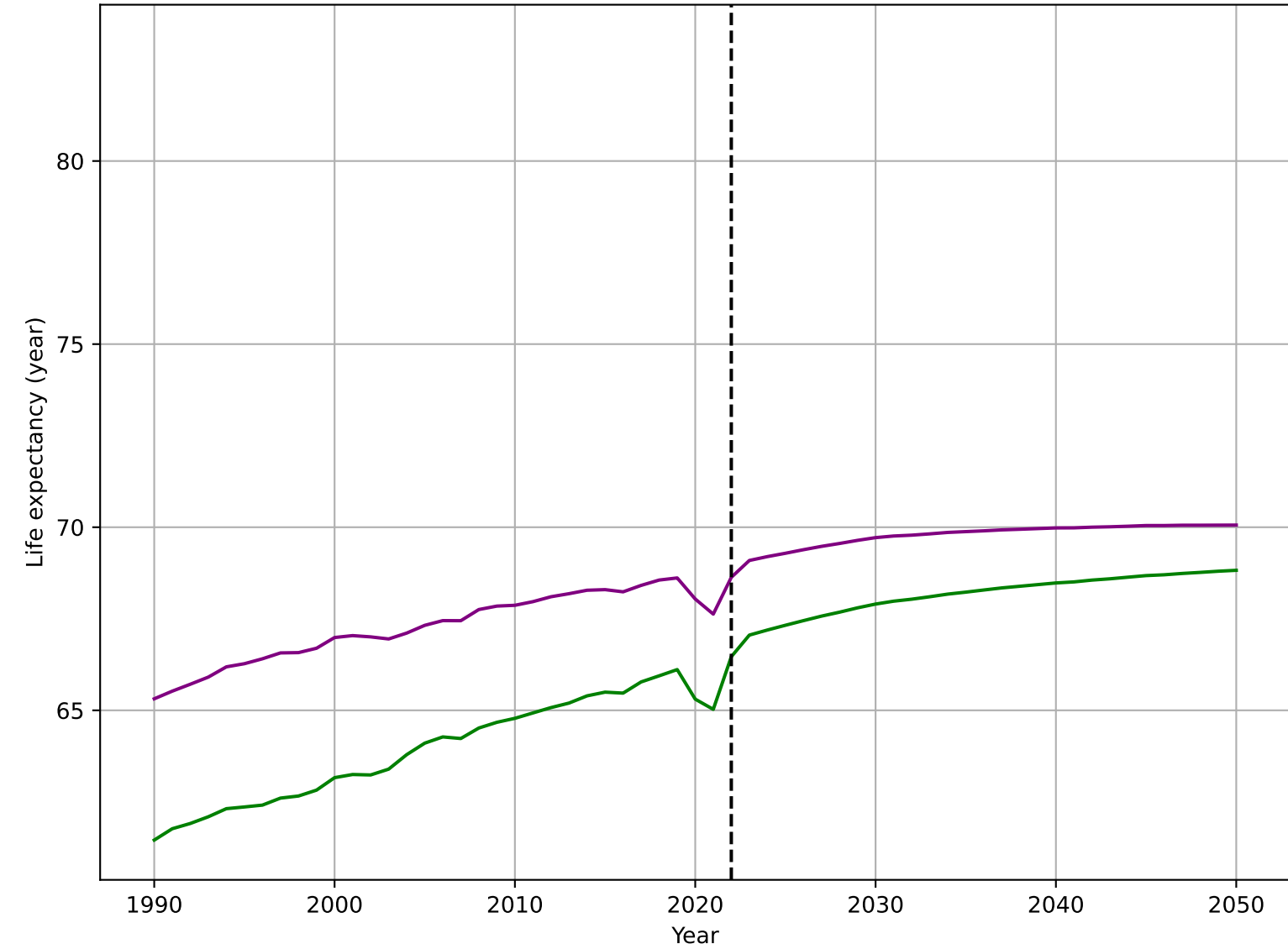


# Southern Latin America

### Life Expectancy

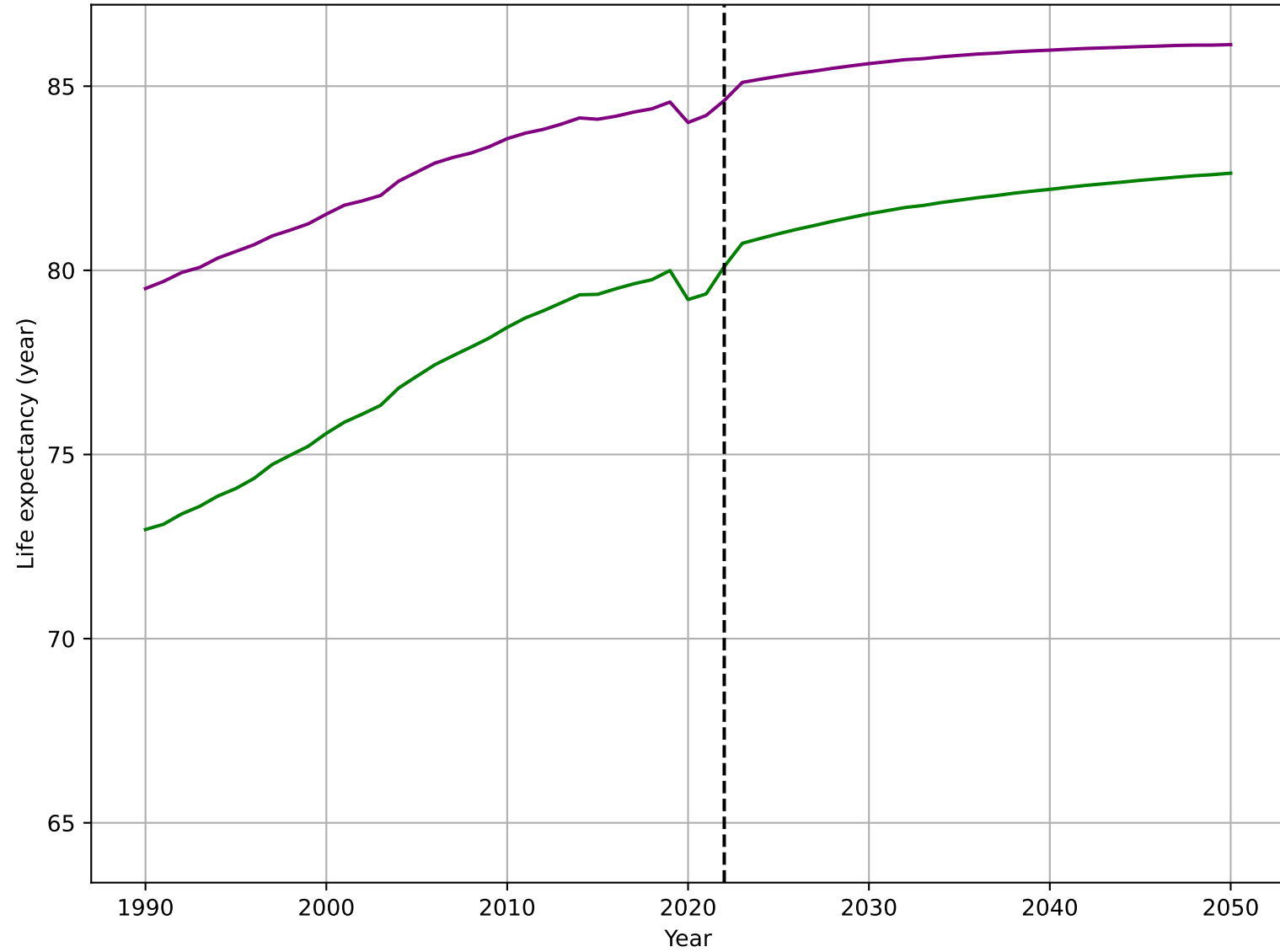


### Healthy Life Expectancy (HALE)

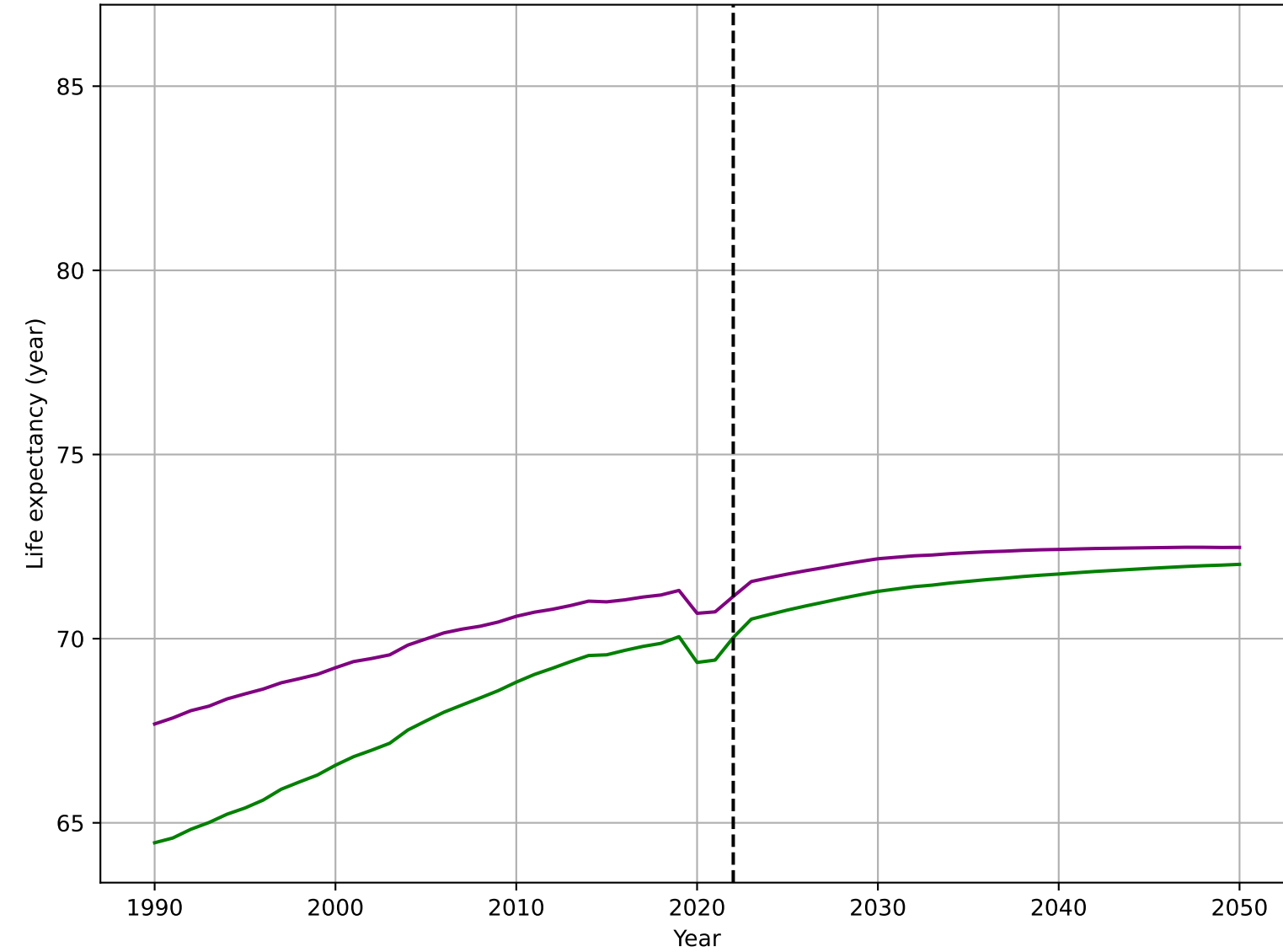


# Western Europe

### Life Expectancy



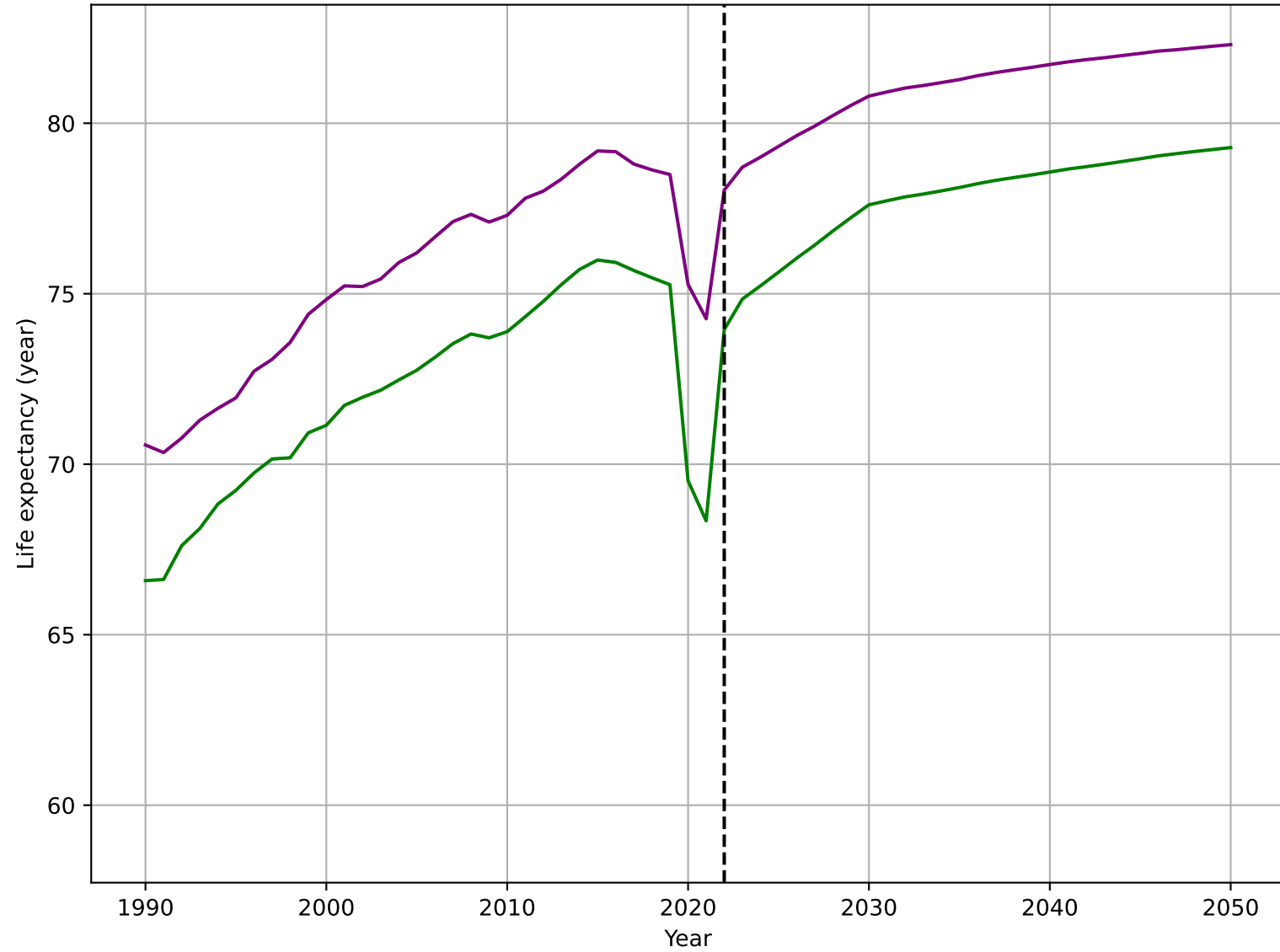
### Healthy Life Expectancy (HALE)



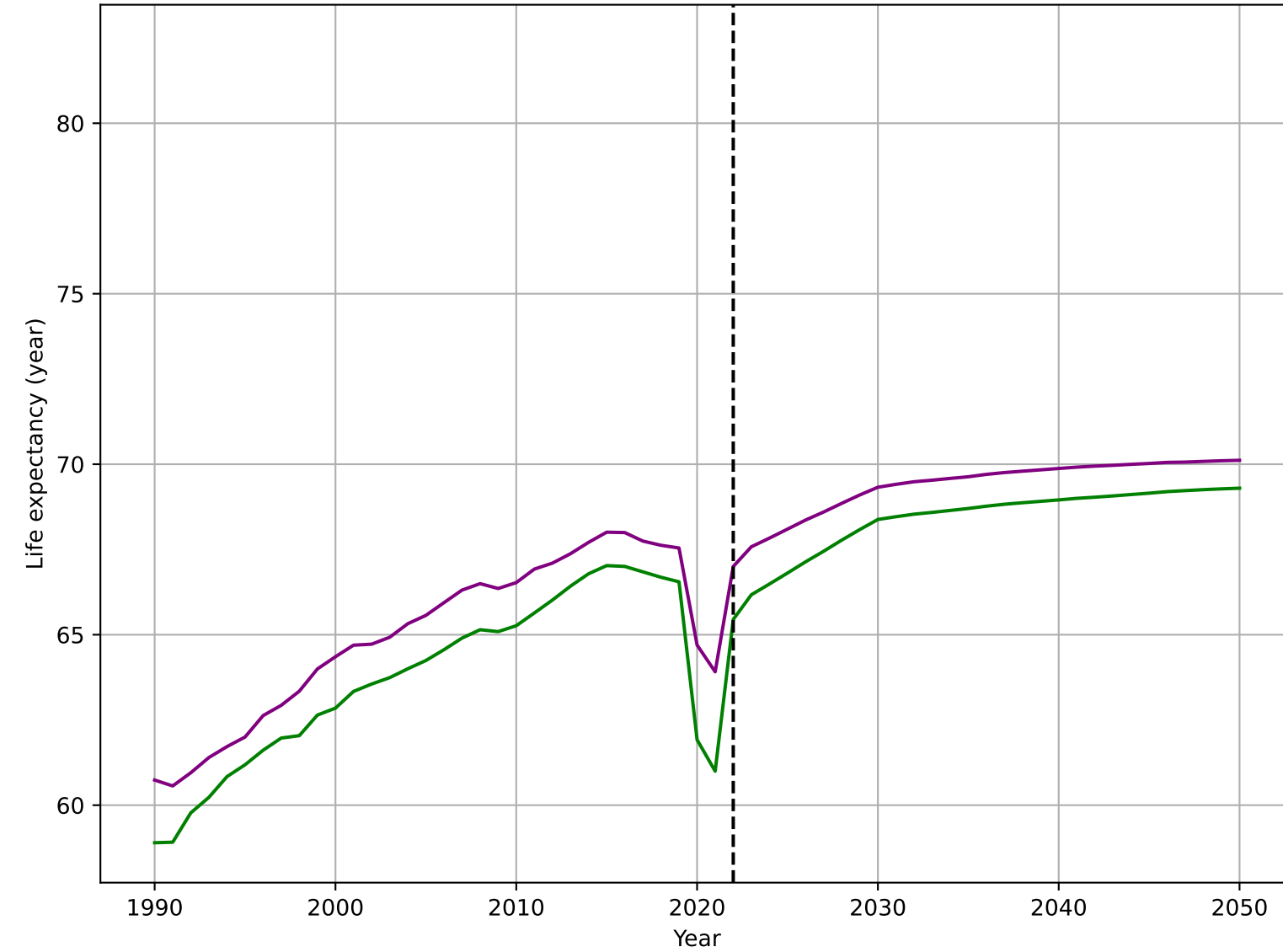


# Andean Latin America

### Life Expectancy

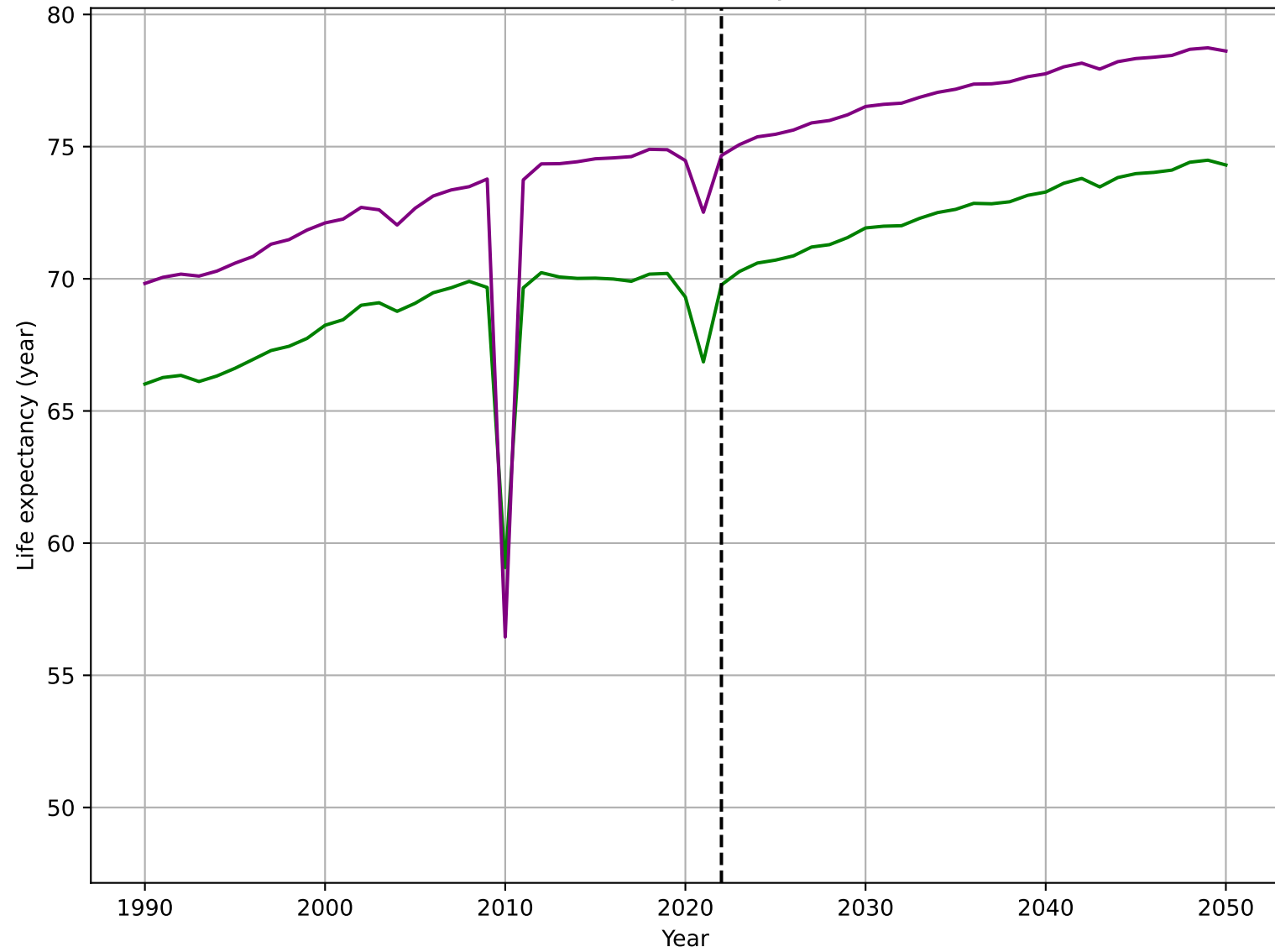


### Healthy Life Expectancy (HALE)

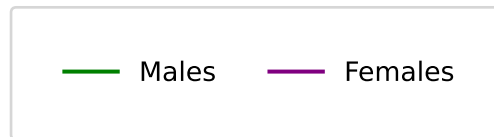
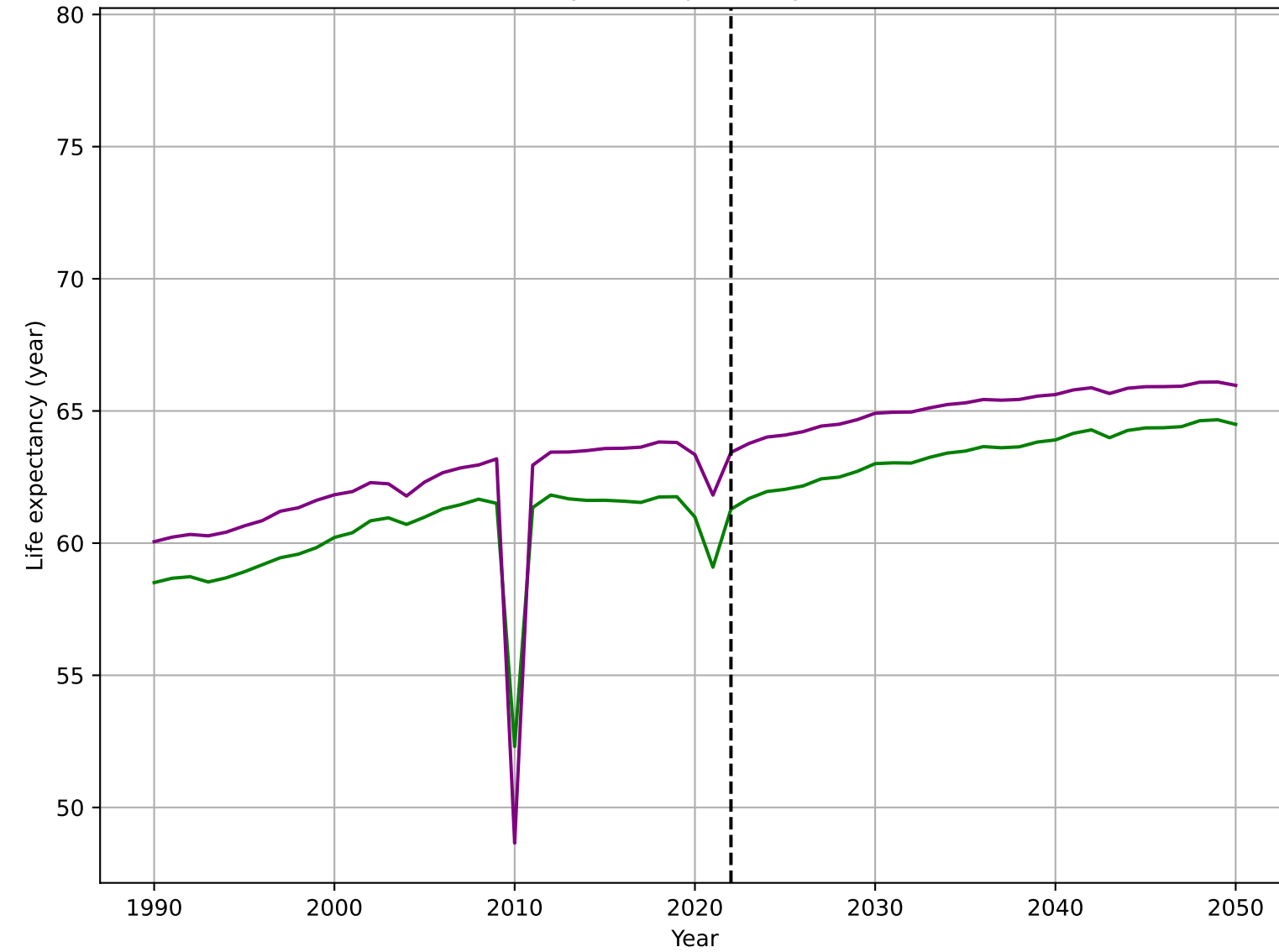


# Caribbean

### Life Expectancy

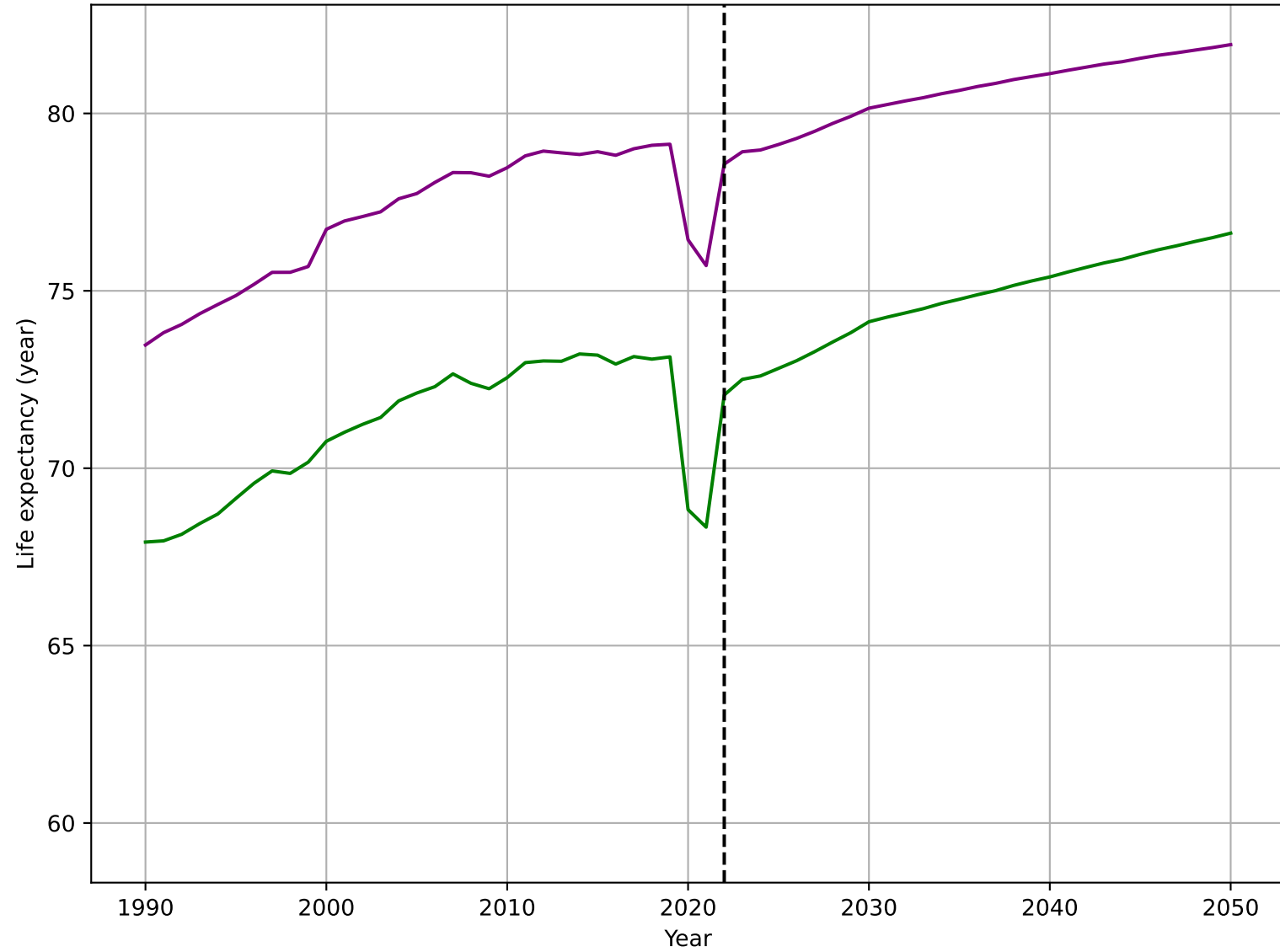


### Healthy Life Expectancy (HALE)

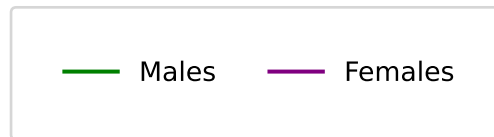
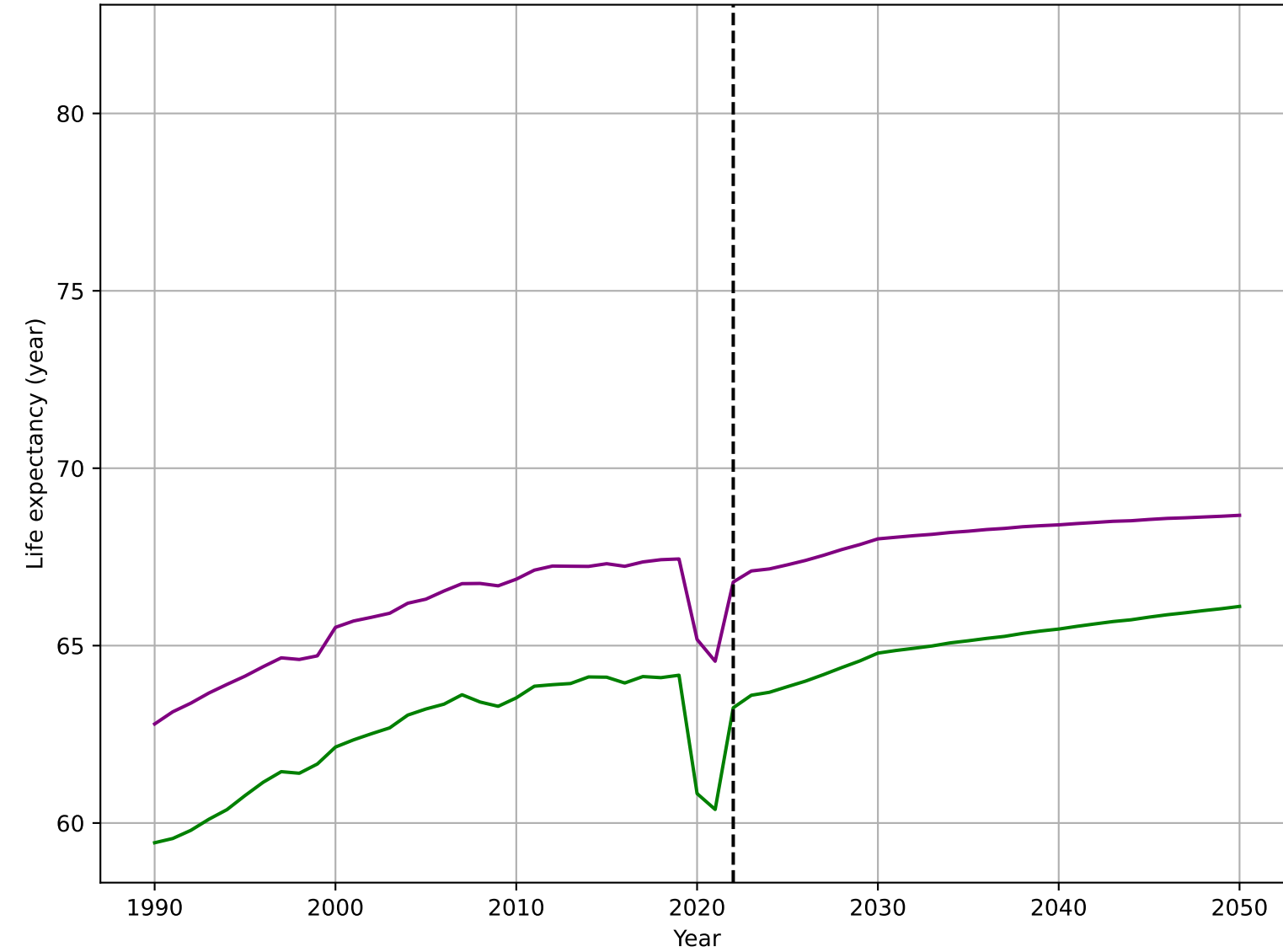


# Central Latin America

### Life Expectancy

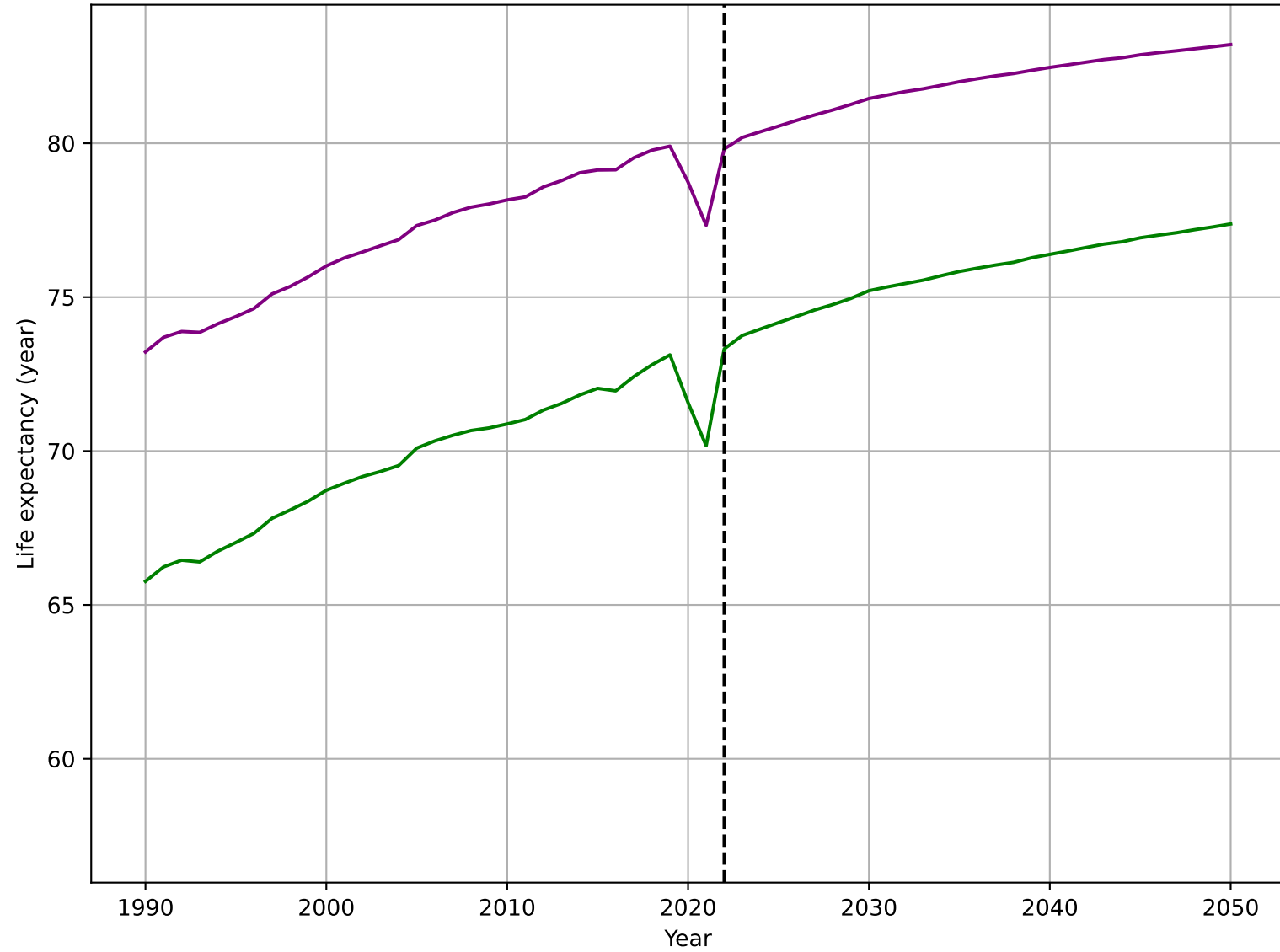


### Healthy Life Expectancy (HALE)

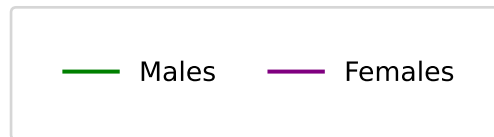
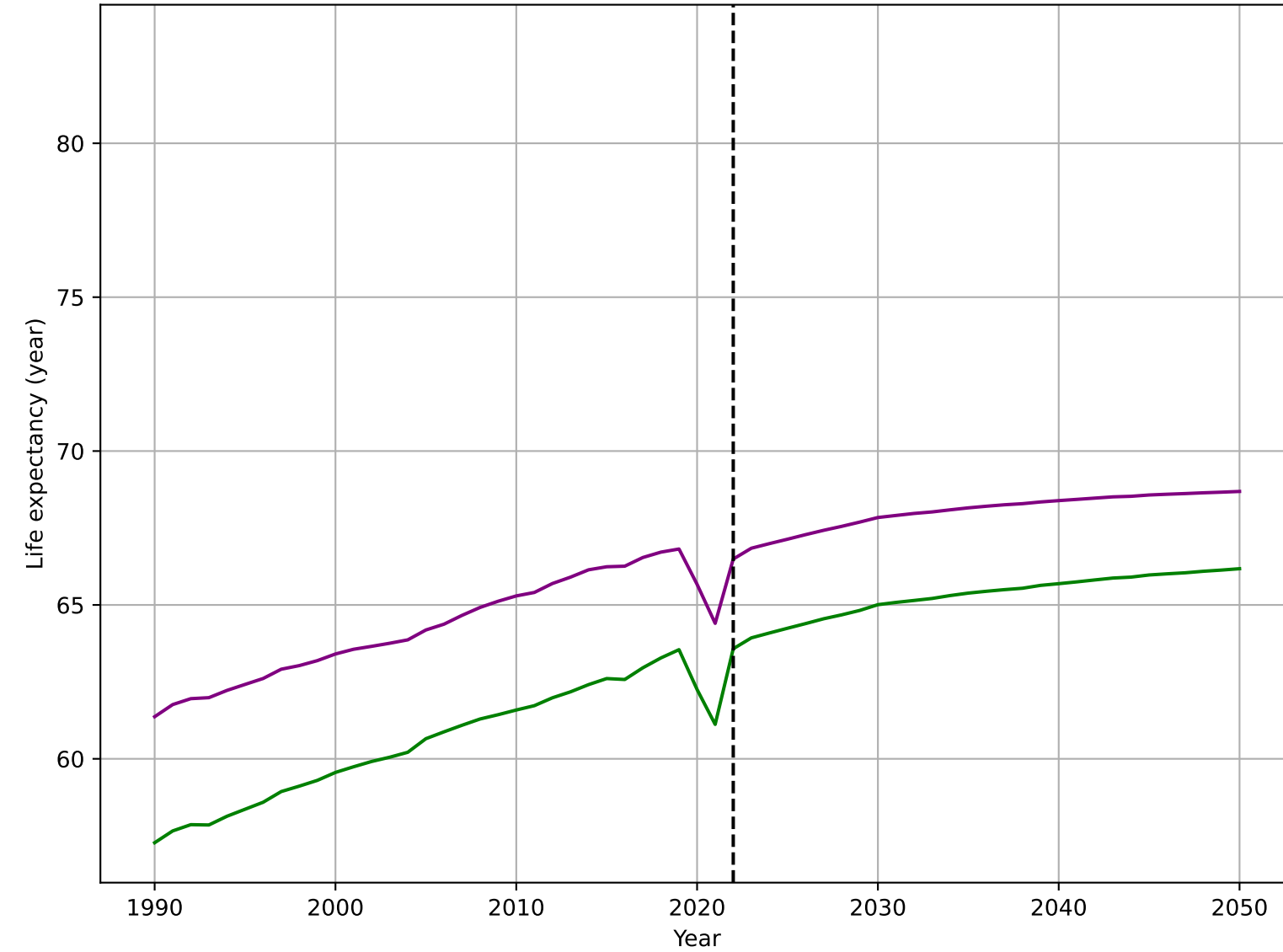


# Tropical Latin America

## Life Expectancy

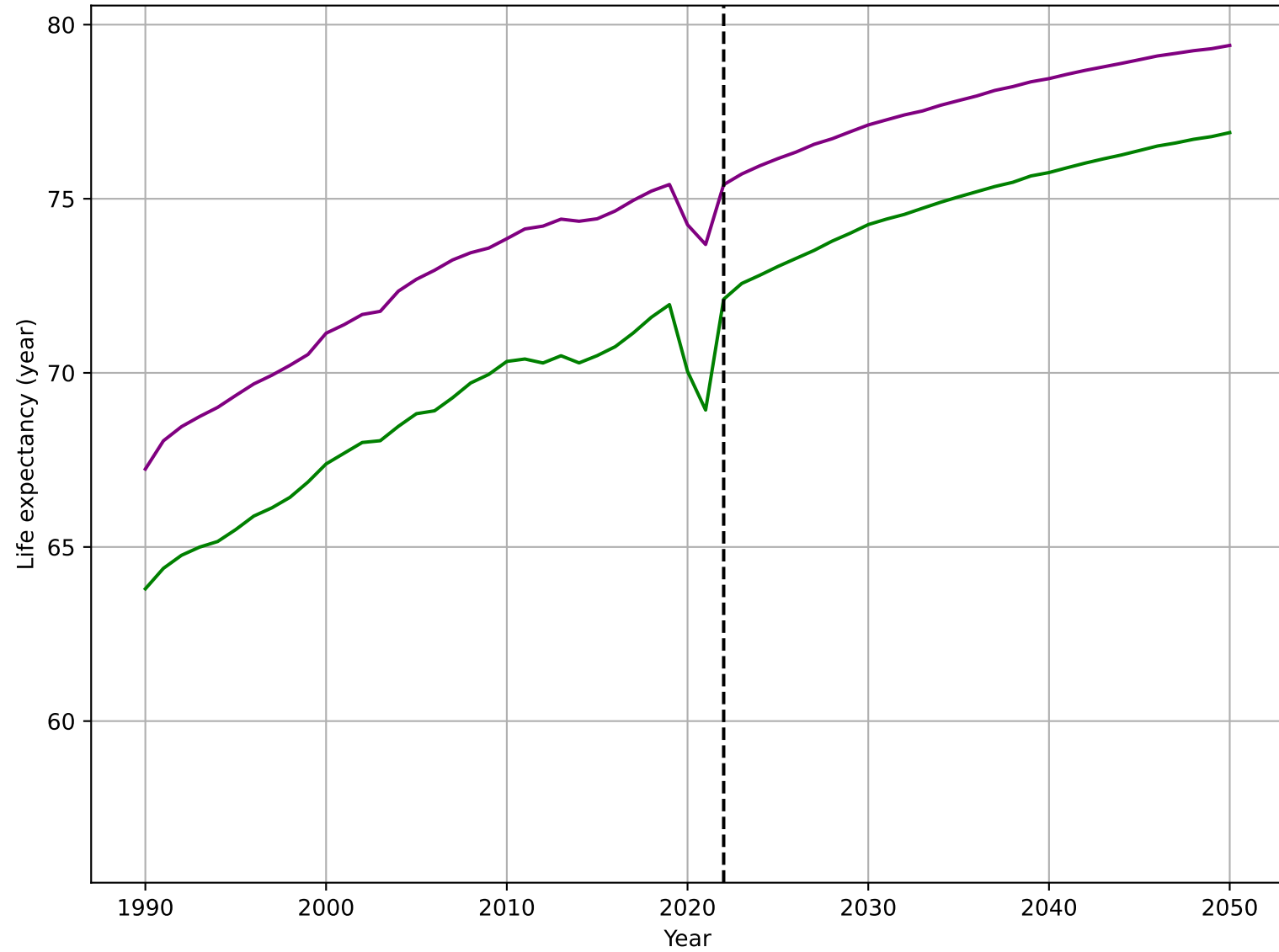


## Healthy Life Expectancy (HALE)

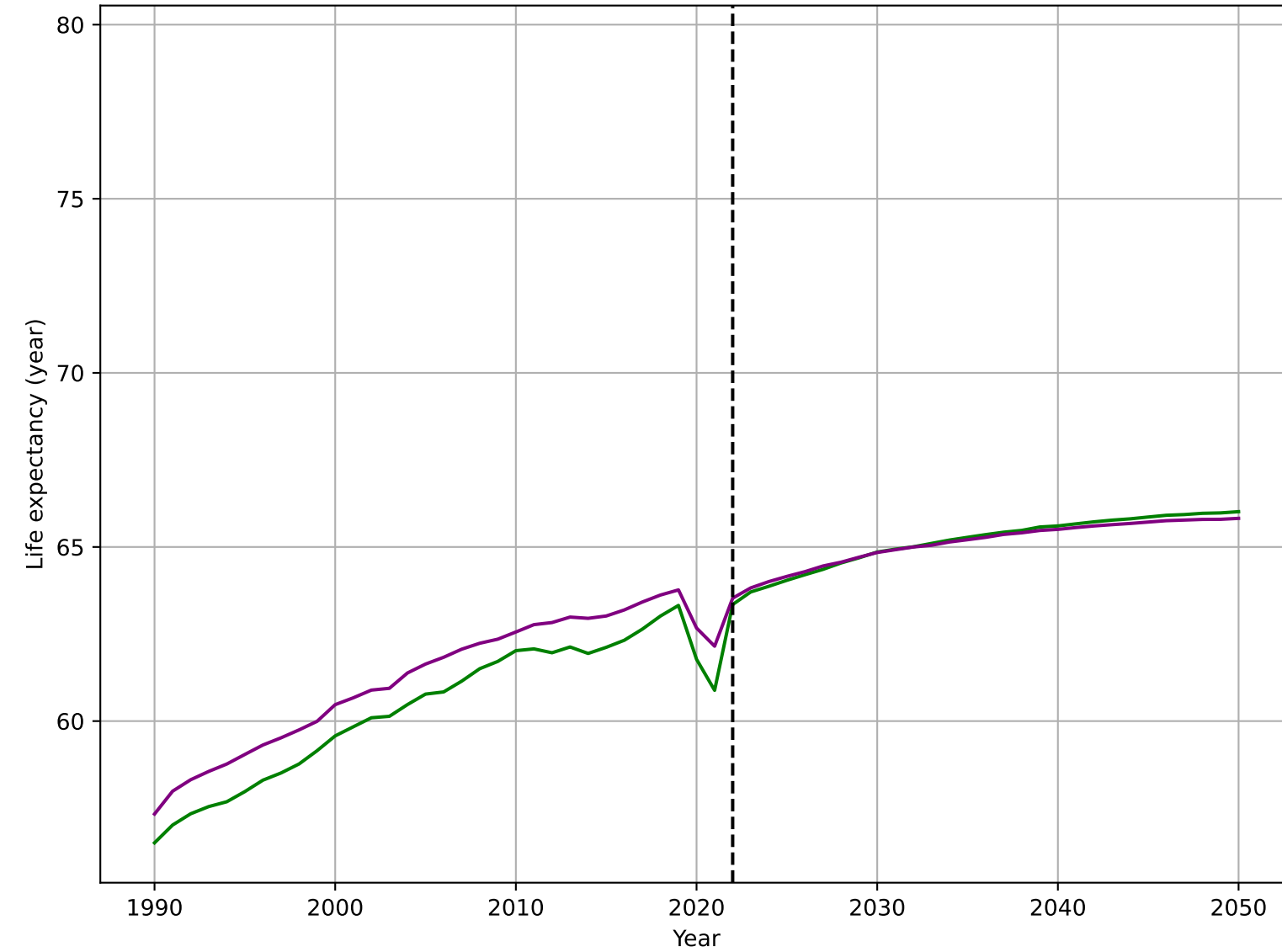


# North Africa And Middle East

### Life Expectancy

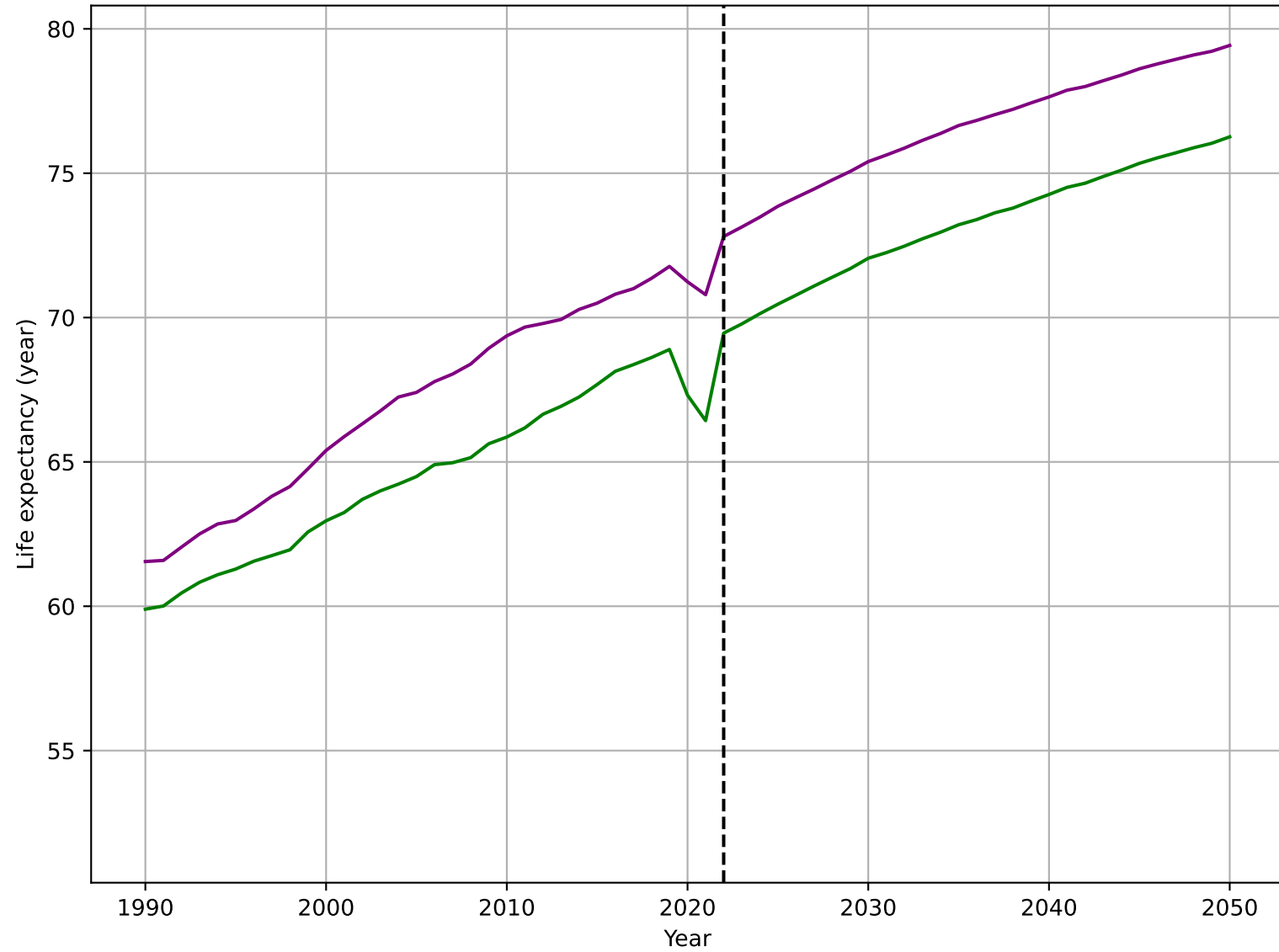


### Healthy Life Expectancy (HALE)

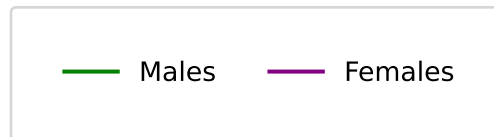
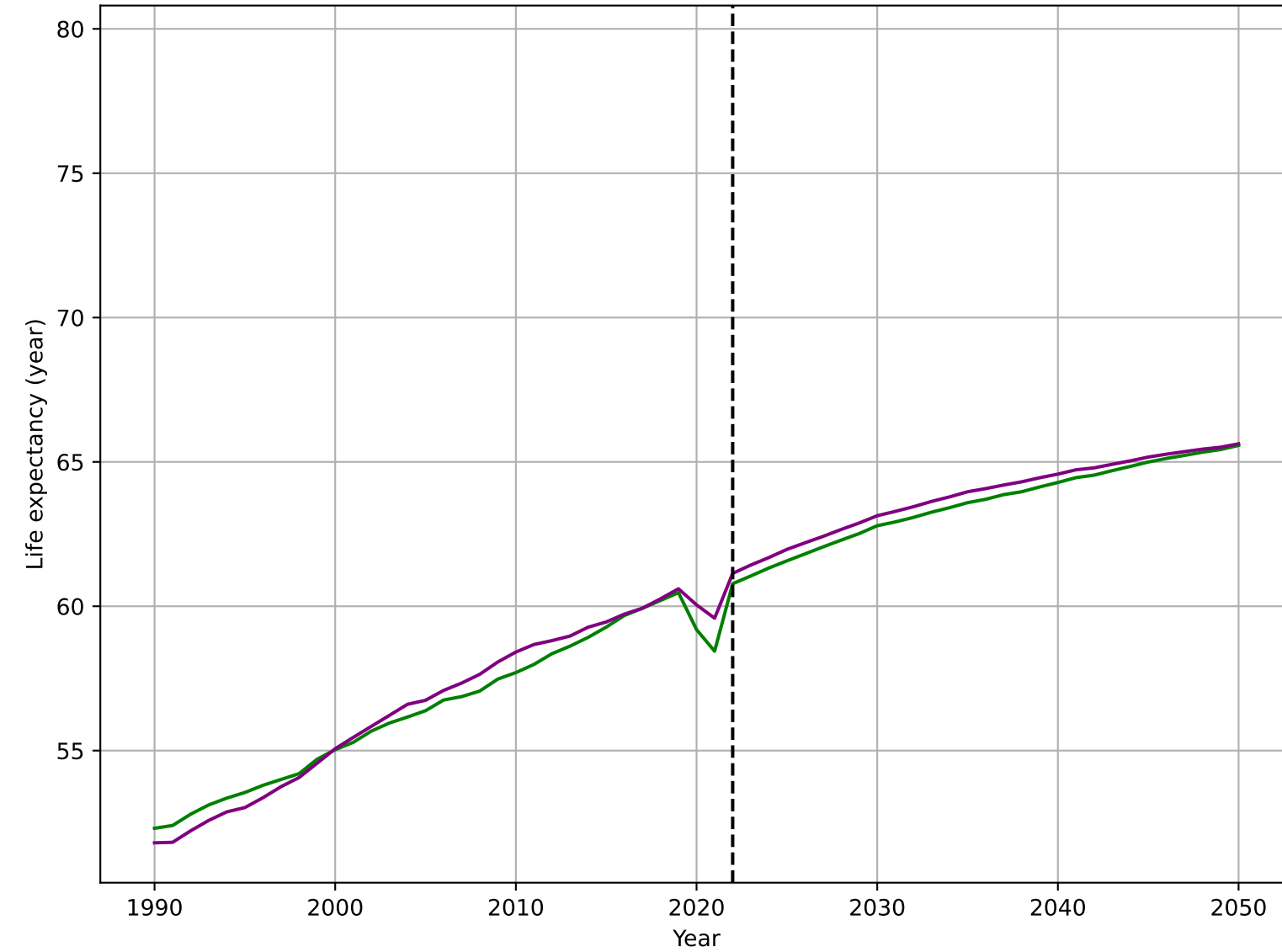


# South Asia

### Life Expectancy

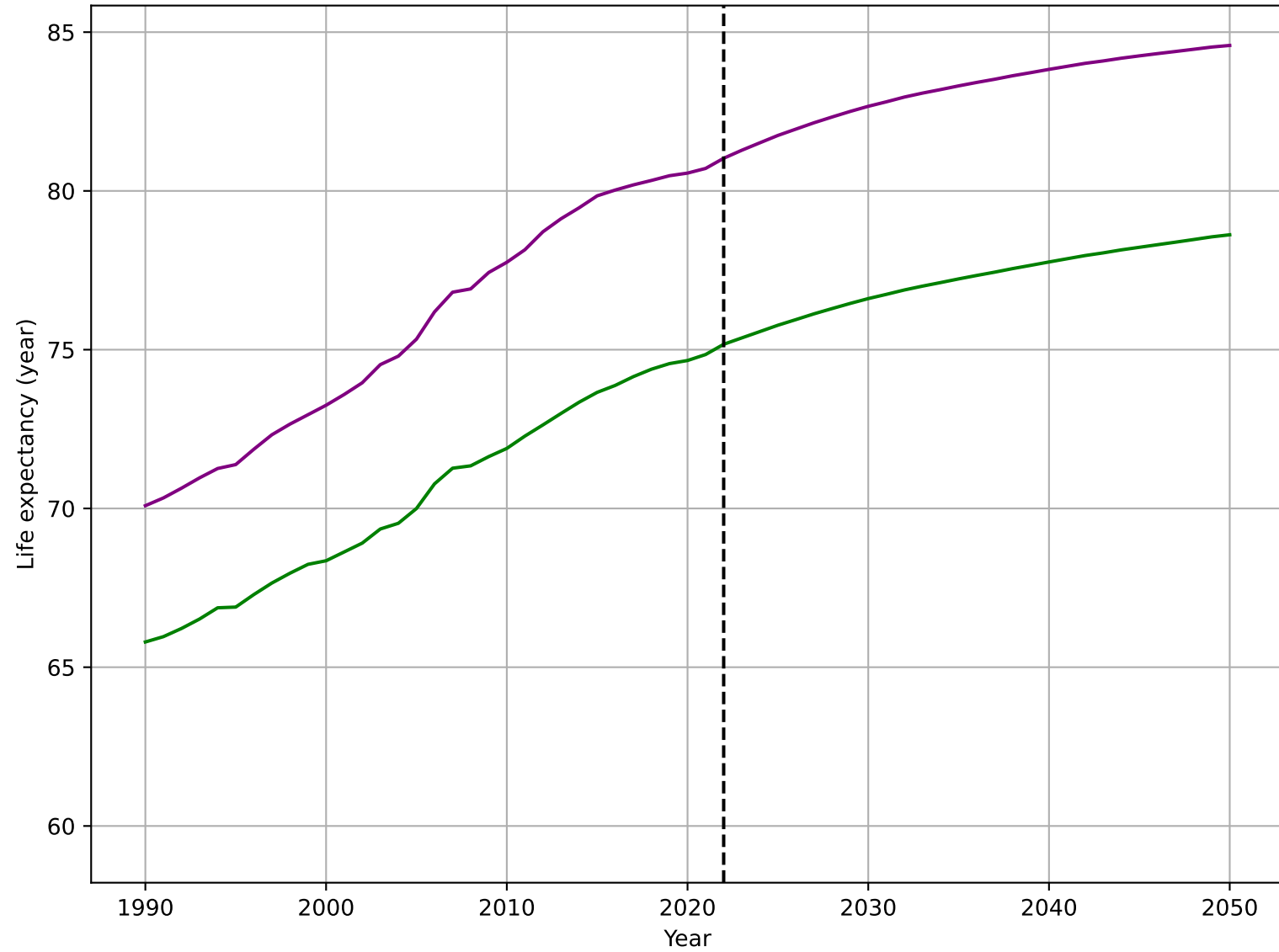


### Healthy Life Expectancy (HALE)

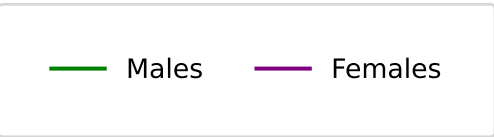
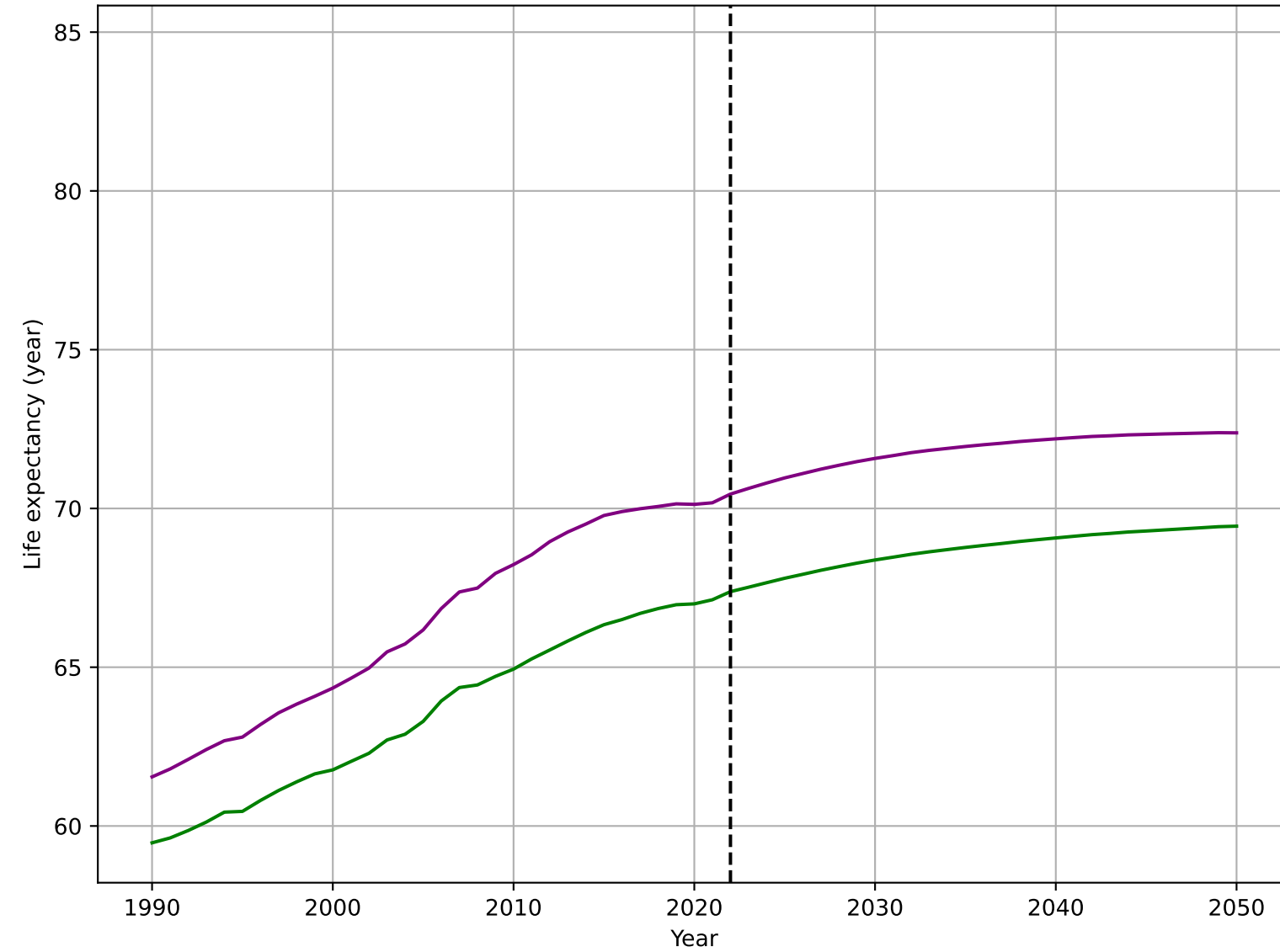


# East Asia

### Life Expectancy

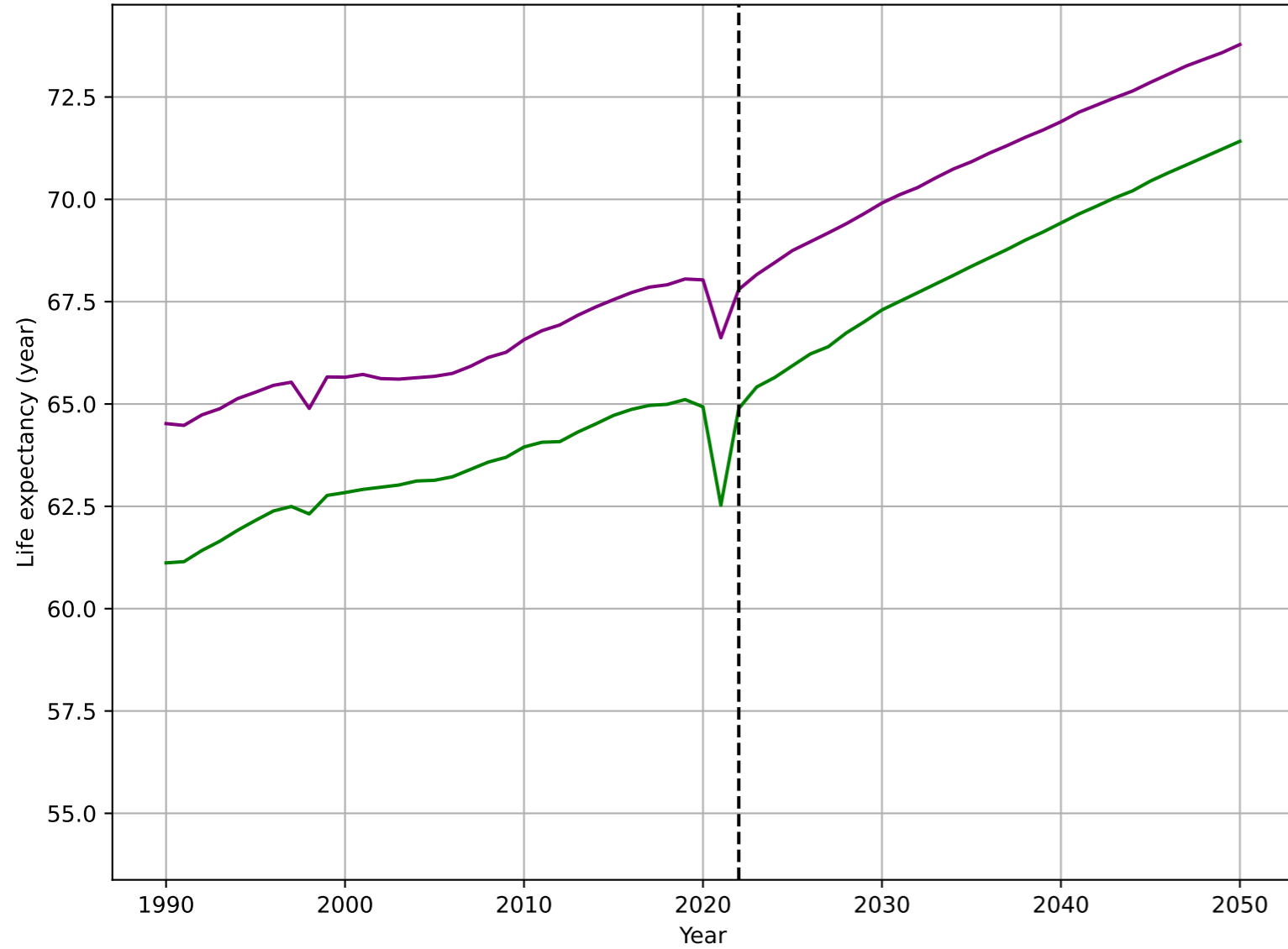


### Healthy Life Expectancy (HALE)

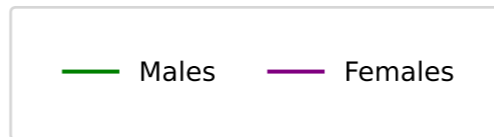
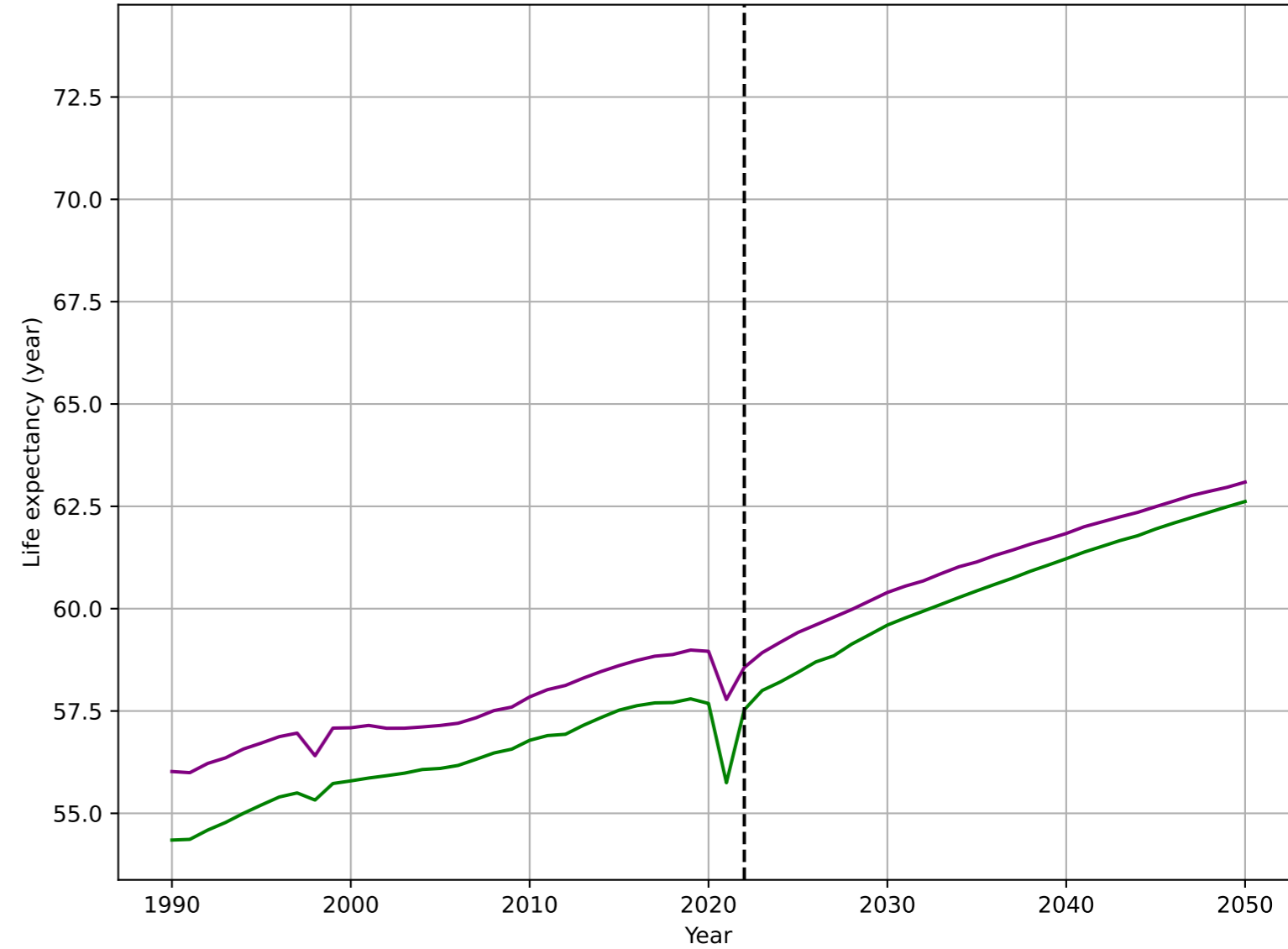


# Oceania

### Life Expectancy



### Healthy Life Expectancy (HALE)





# Southeast Asia

### Life Expectancy

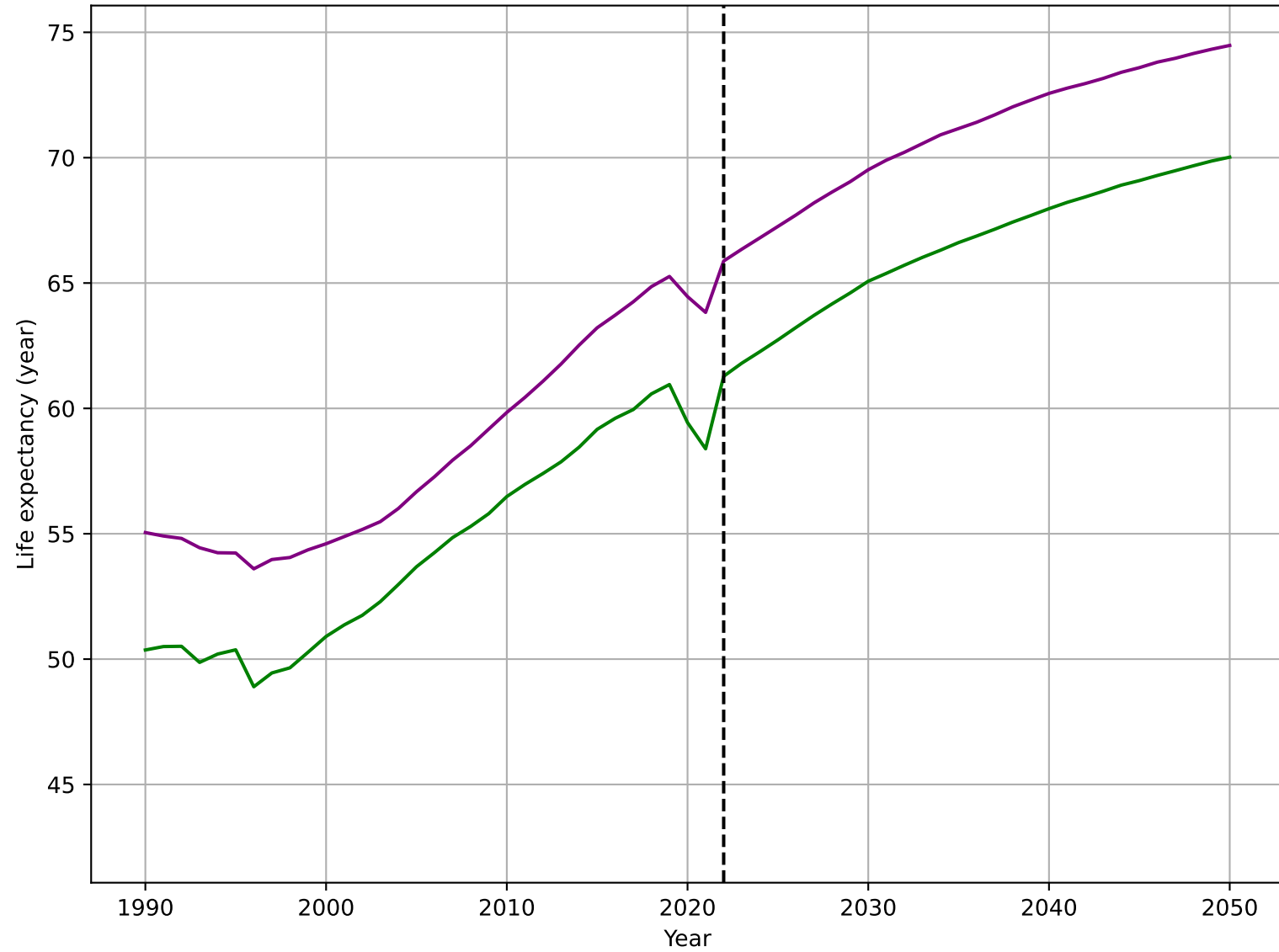


### Healthy Life Expectancy (HALE)

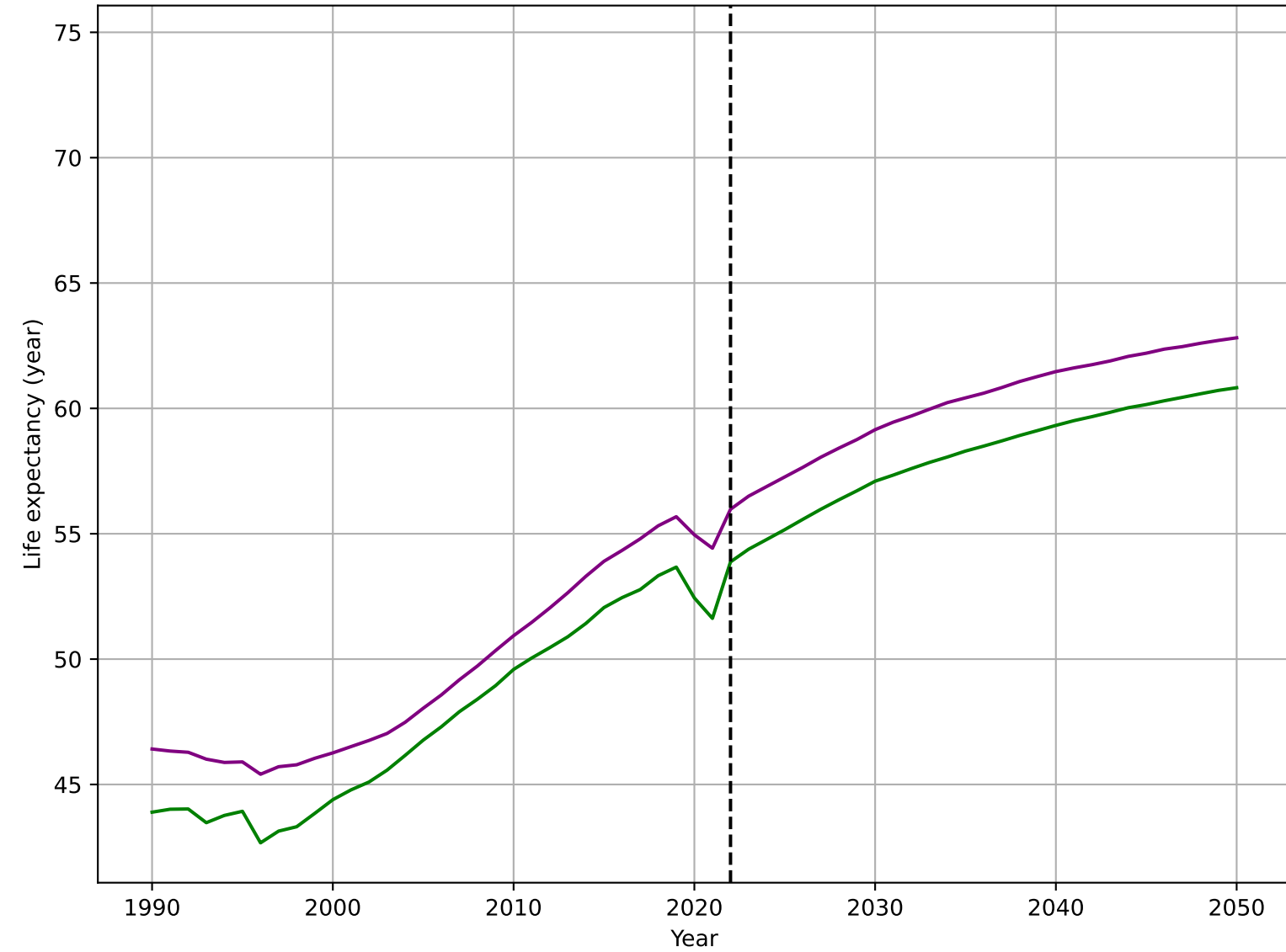


# Central Sub-Saharan Africa

### Life Expectancy



### Healthy Life Expectancy (HALE)

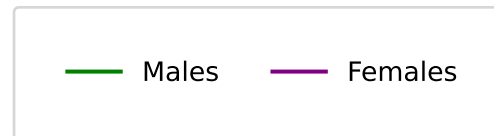
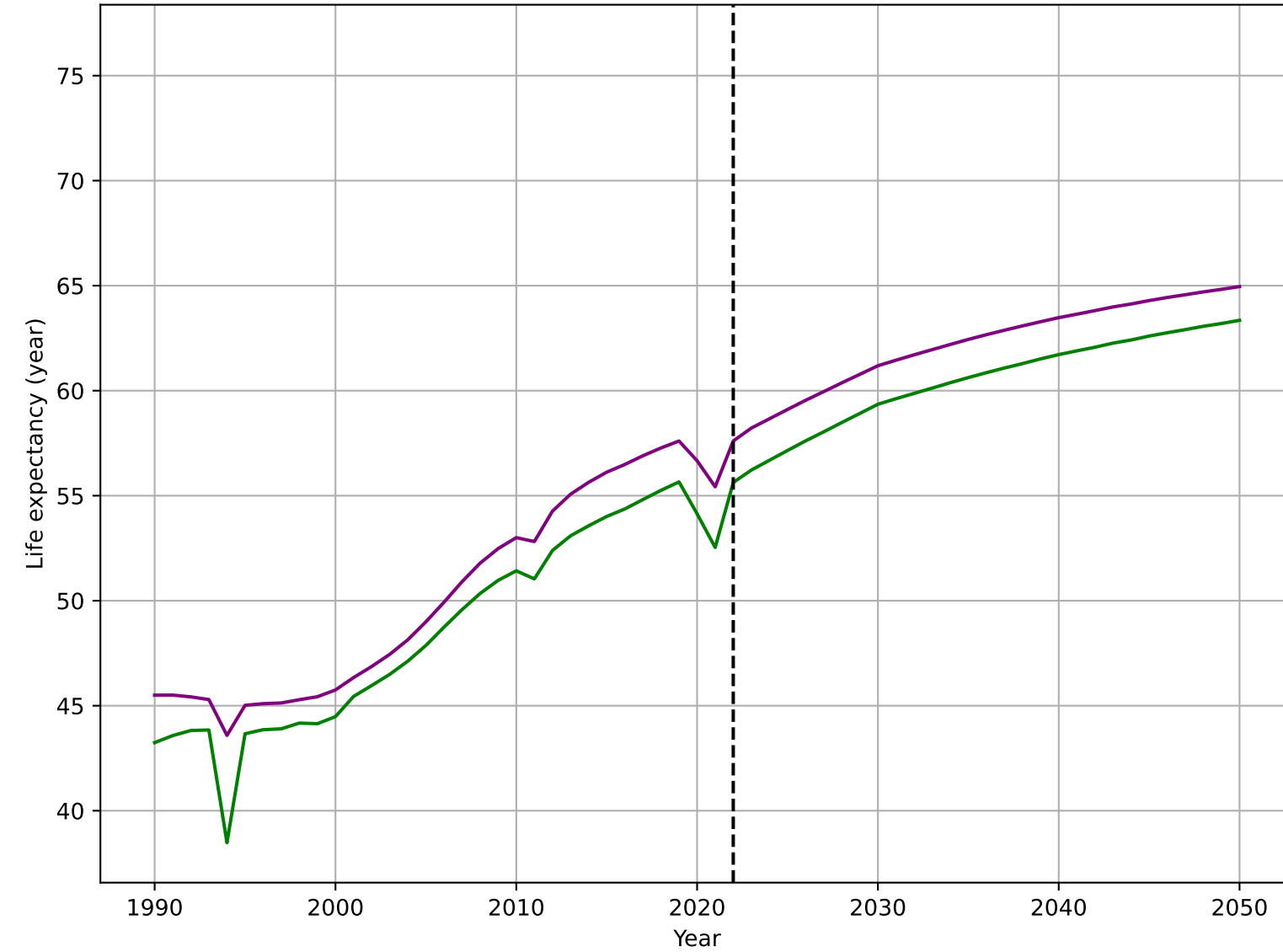


# Eastern Sub-Saharan Africa

### Life Expectancy

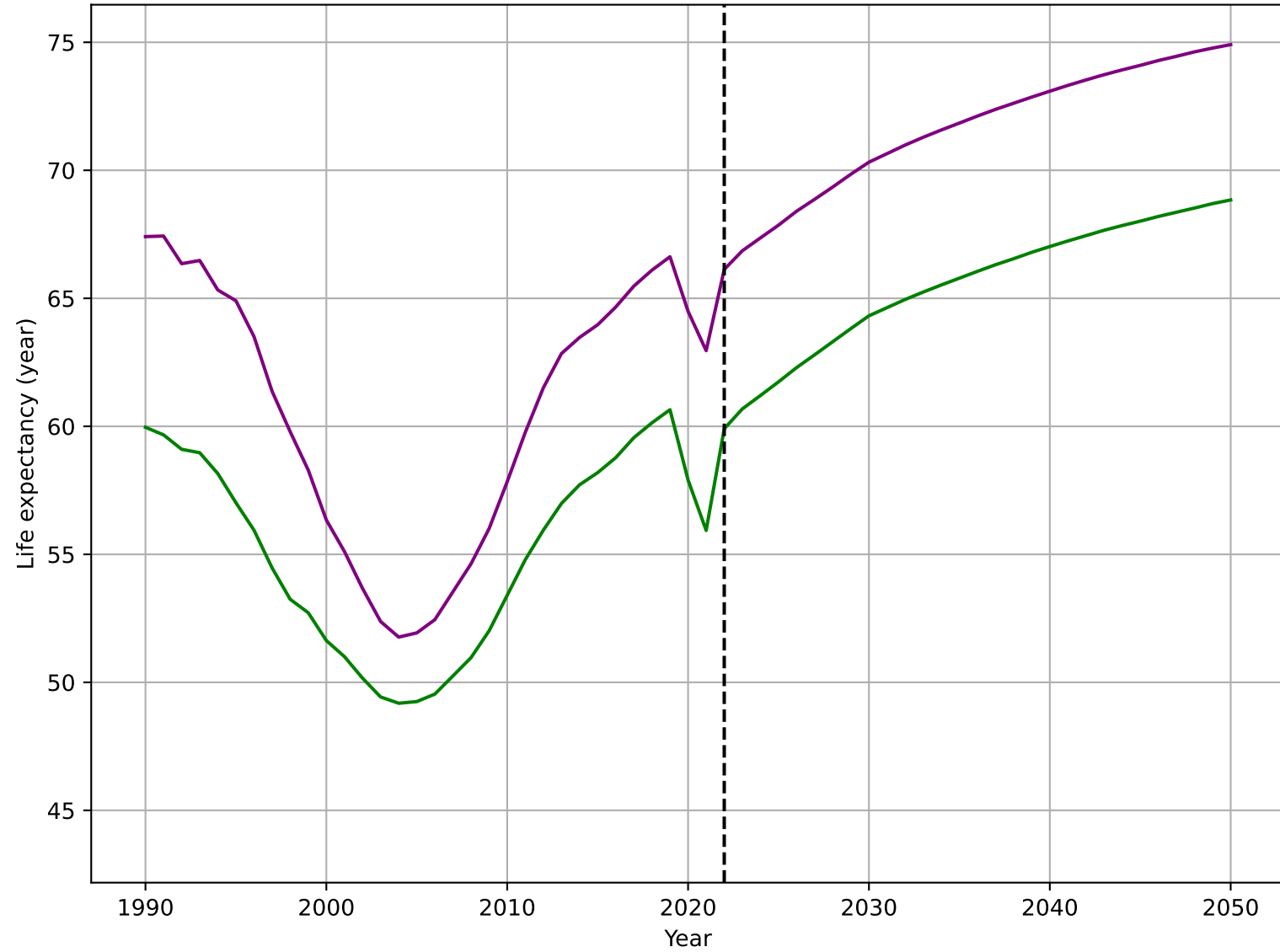


### Healthy Life Expectancy (HALE)

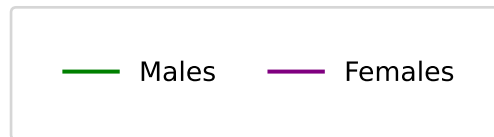
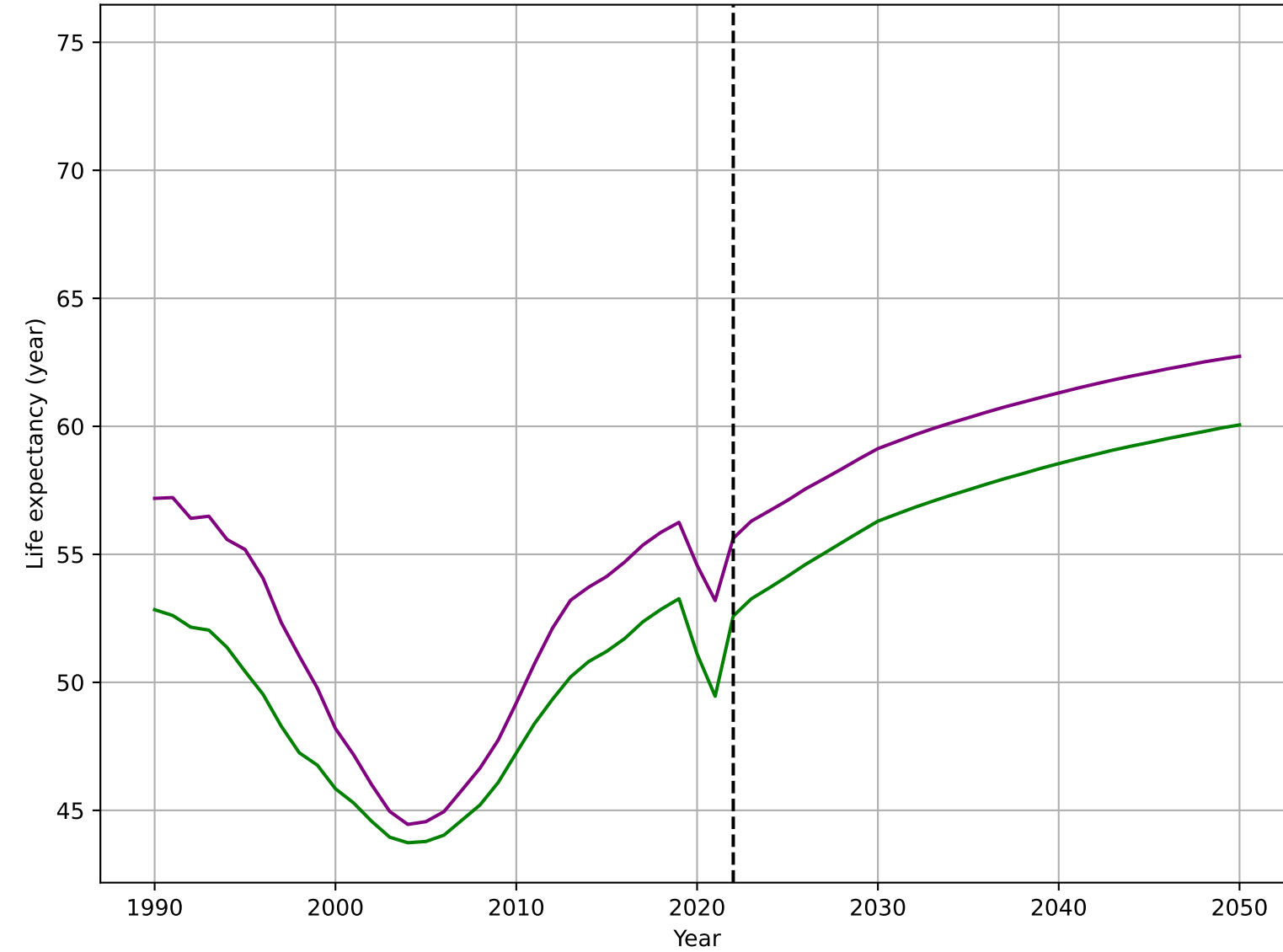


# Southern Sub-Saharan Africa

### Life Expectancy

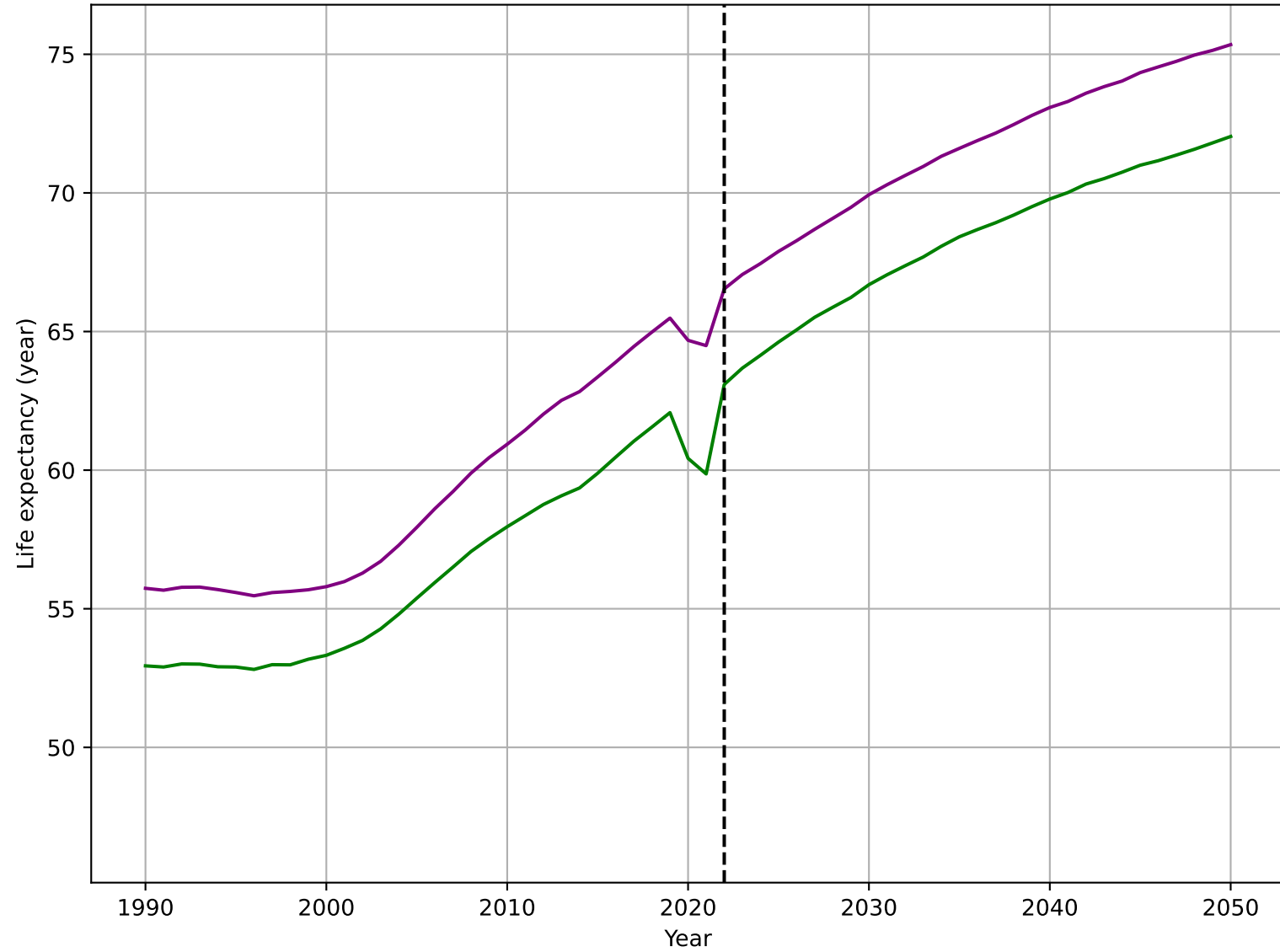


### Healthy Life Expectancy (HALE)

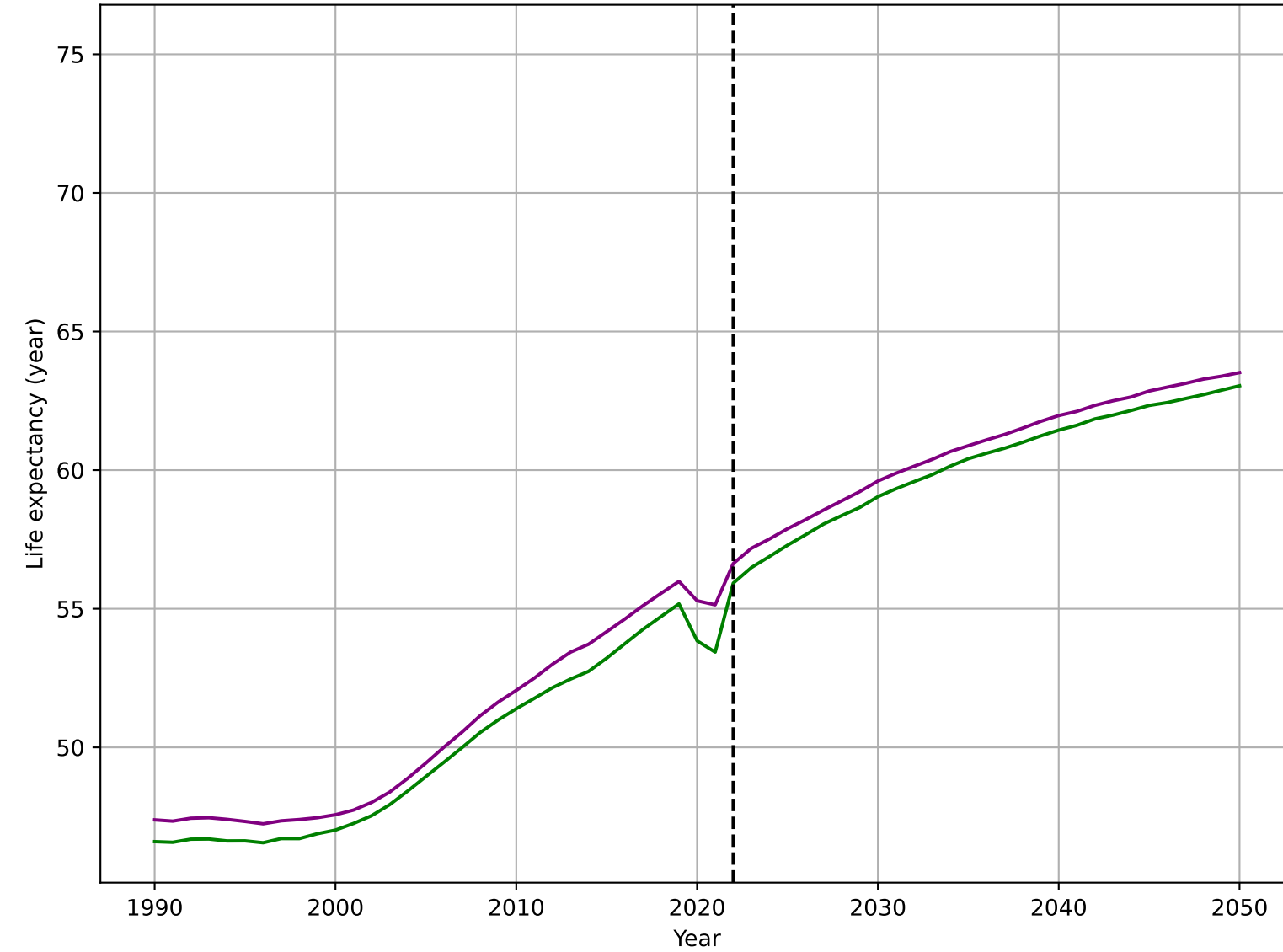


# Western Sub-Saharan Africa

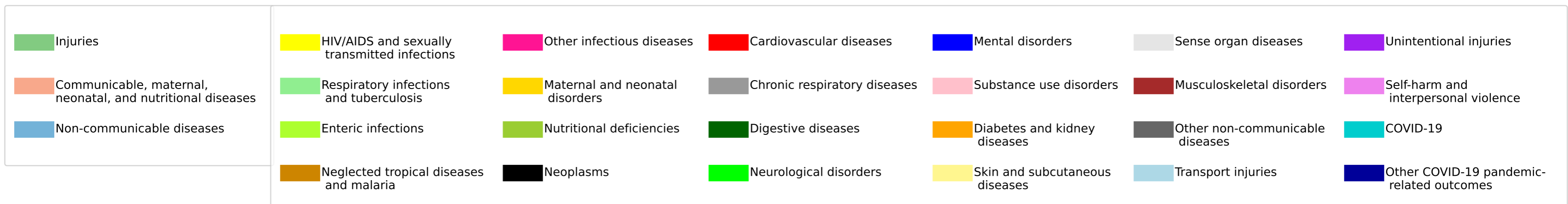
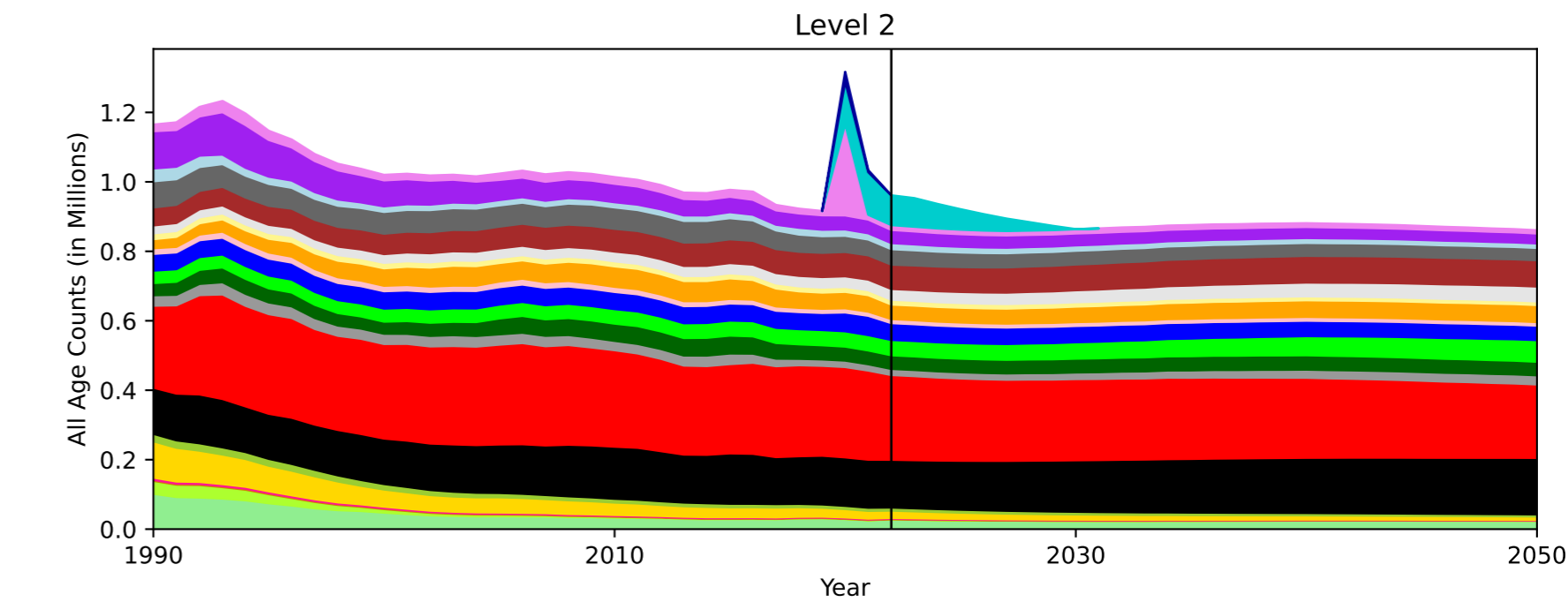
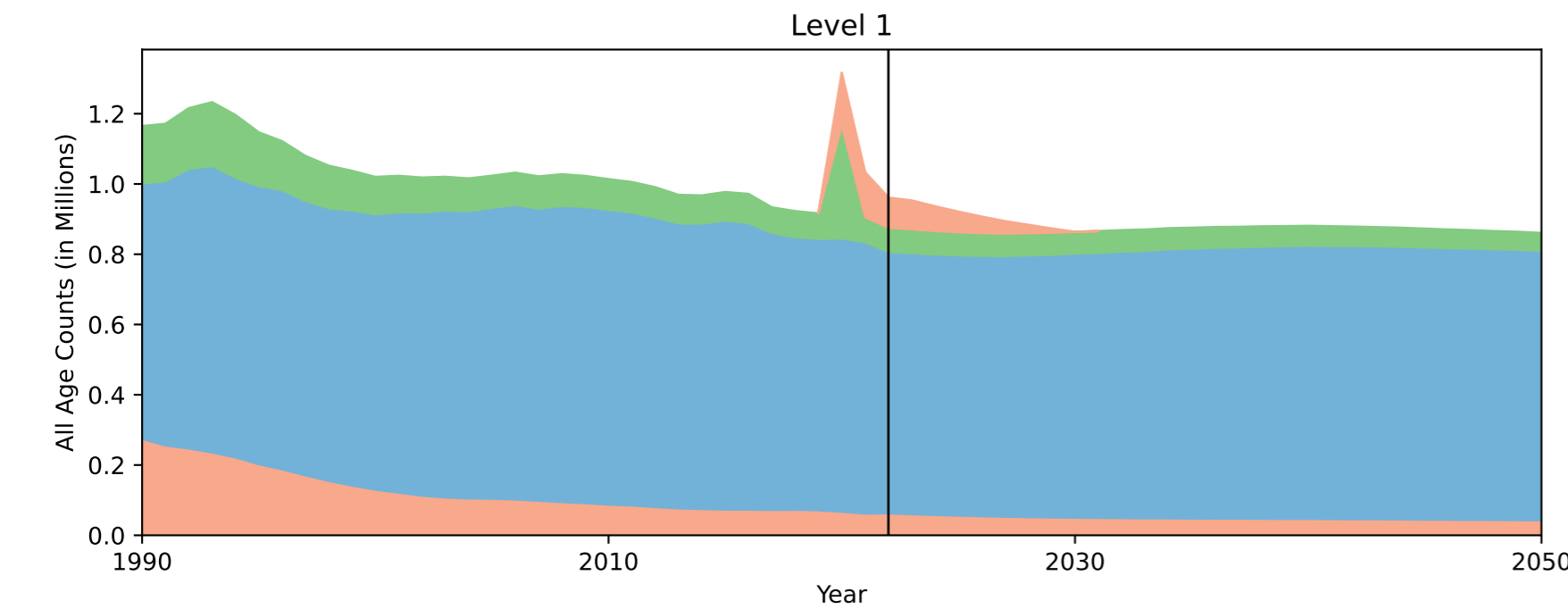
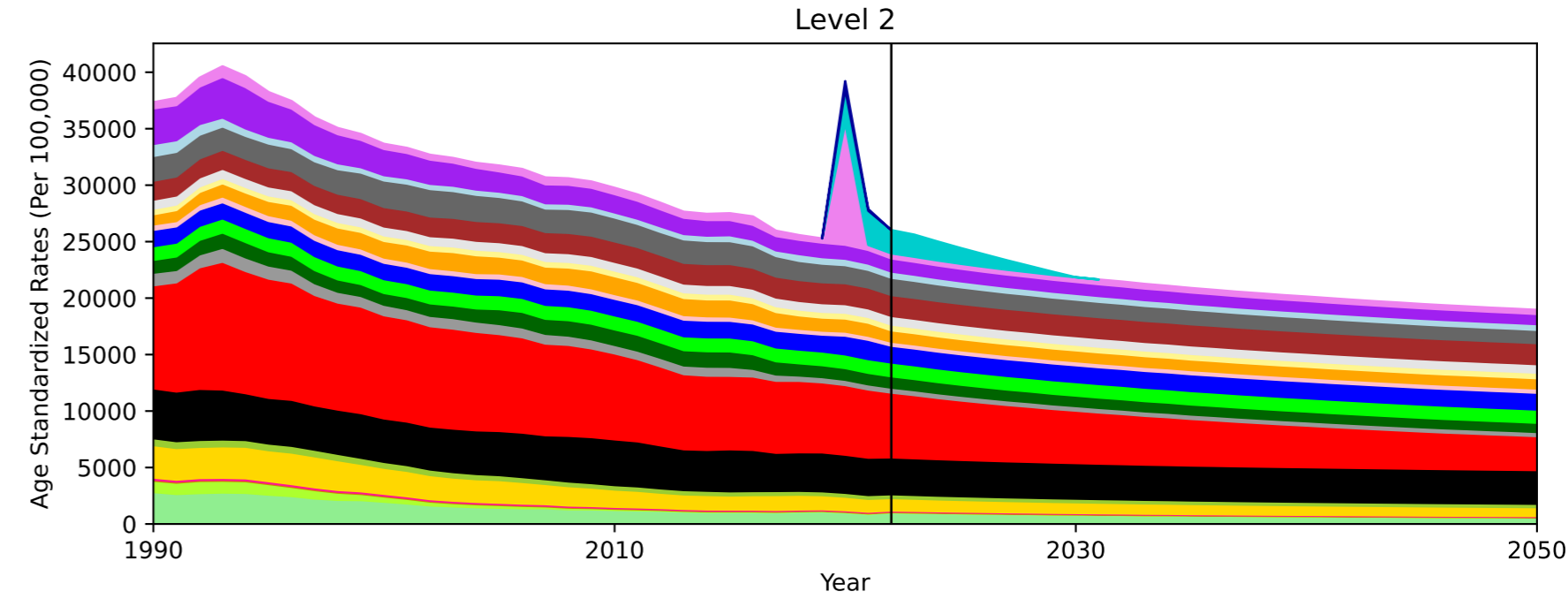
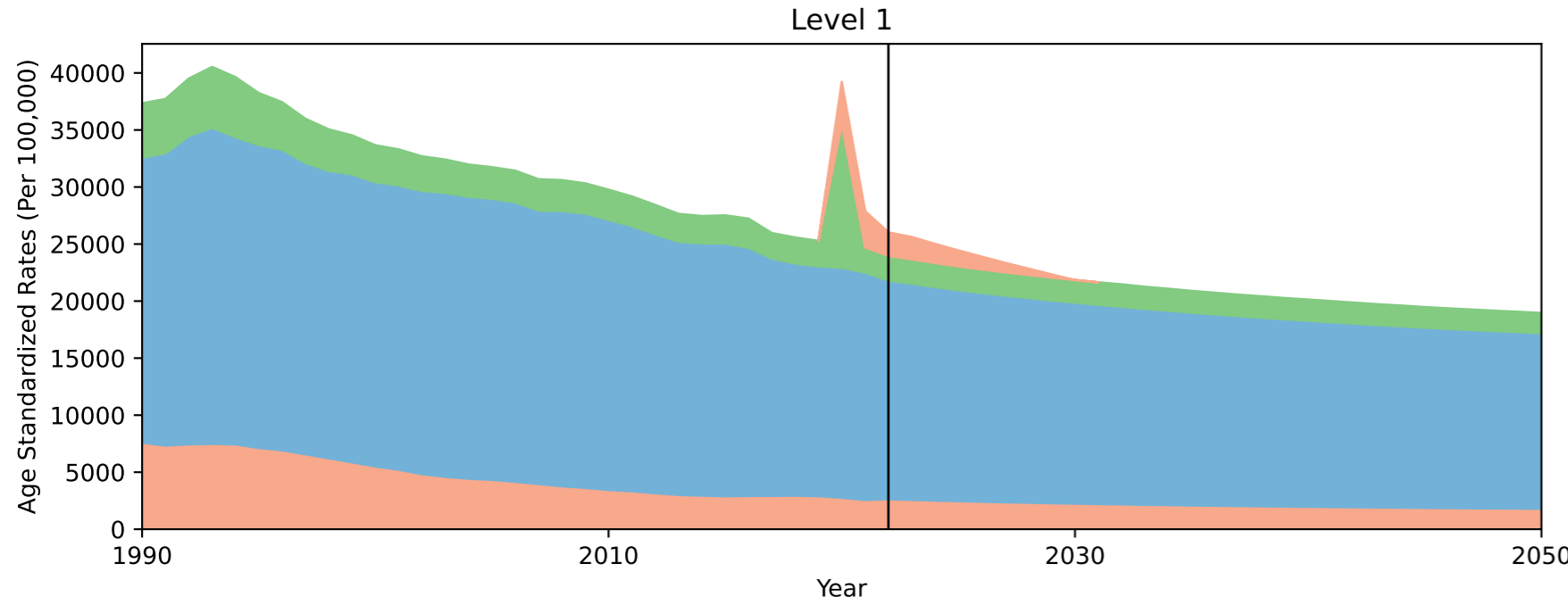
### Life Expectancy



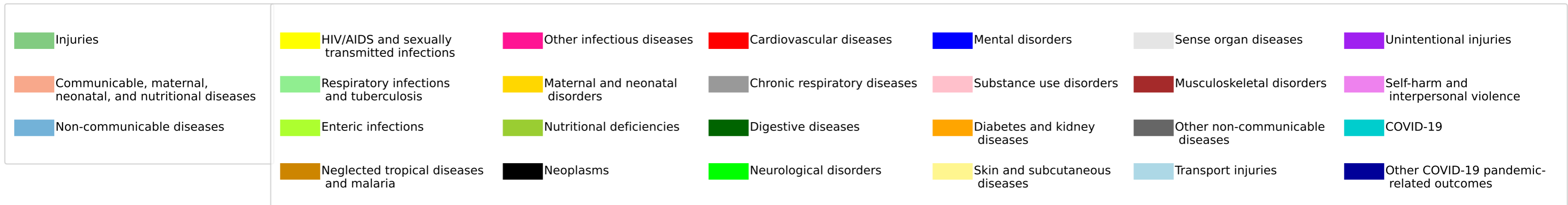
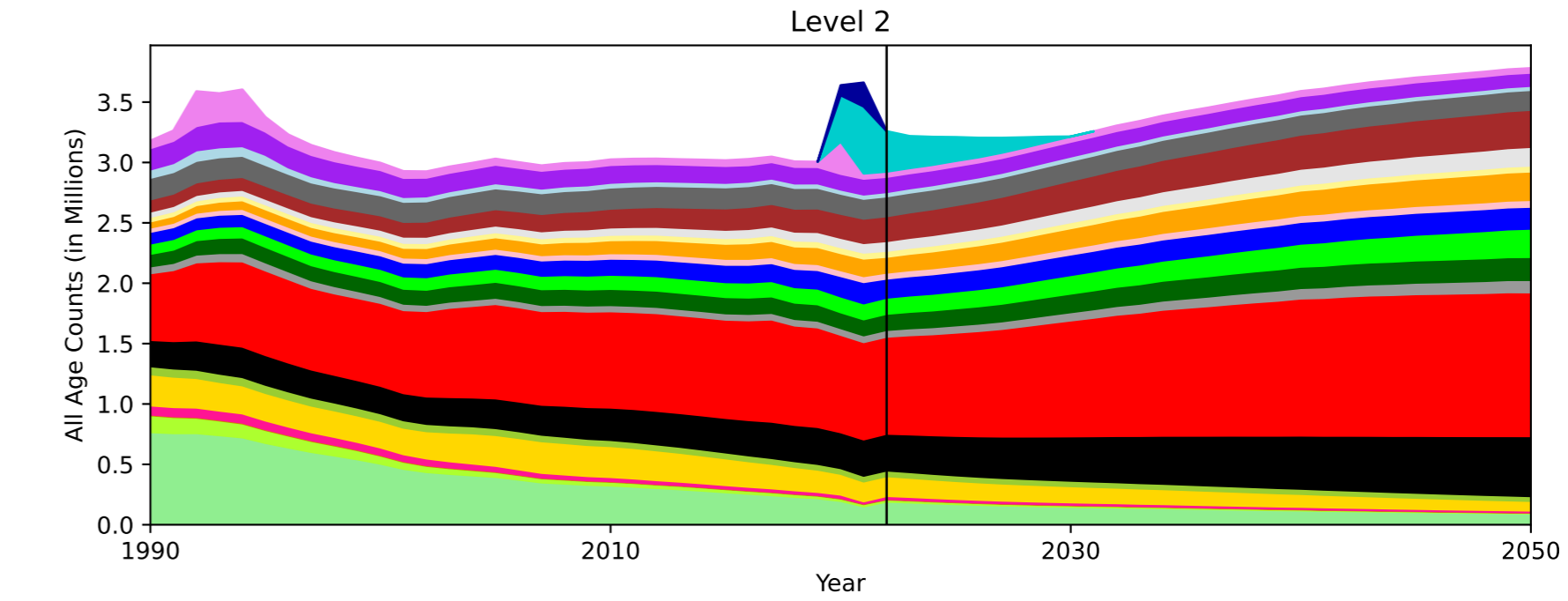
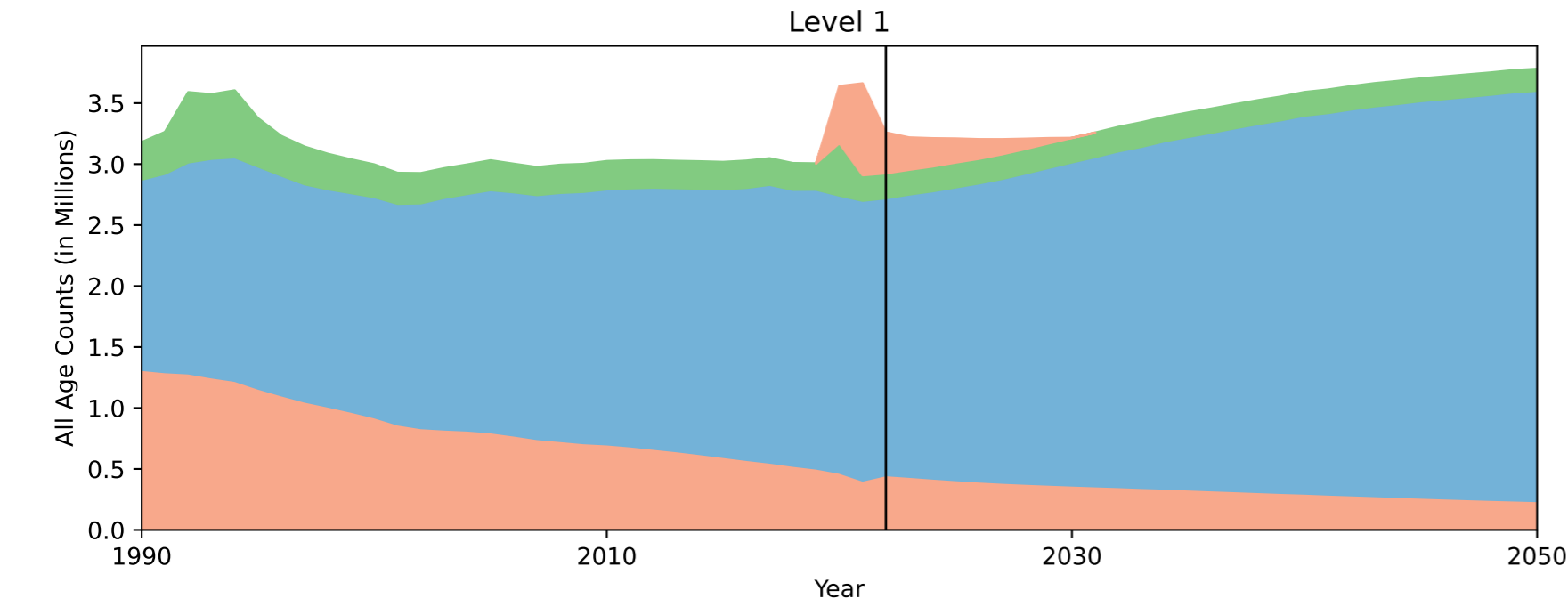
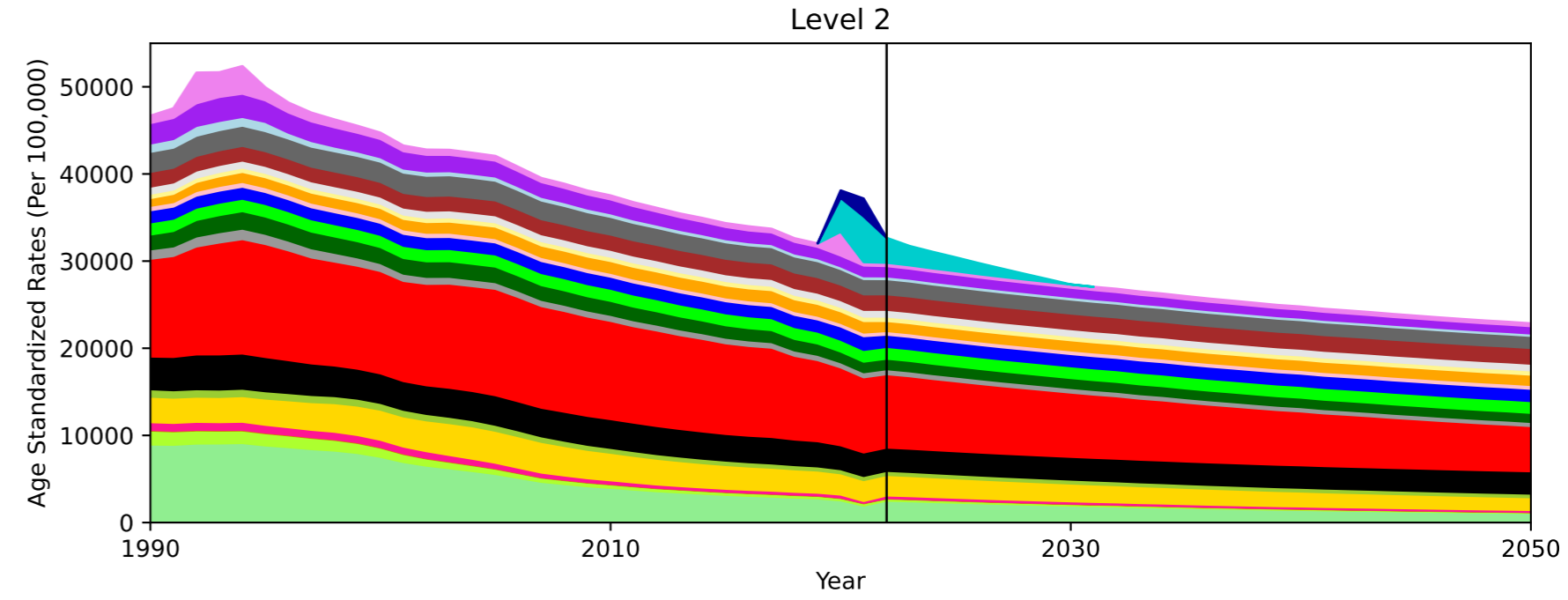
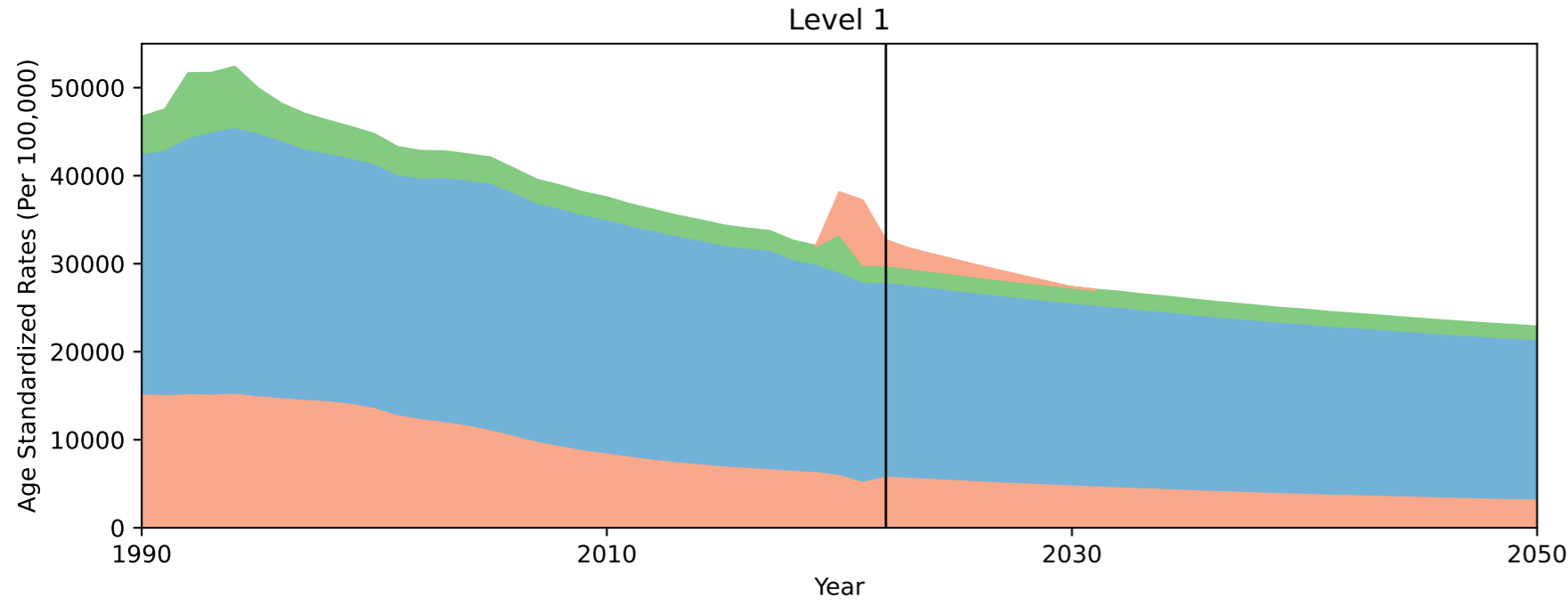
### Healthy Life Expectancy (HALE)



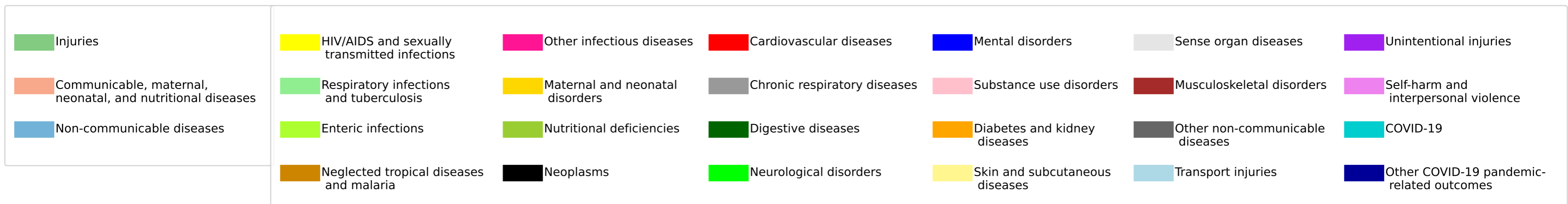
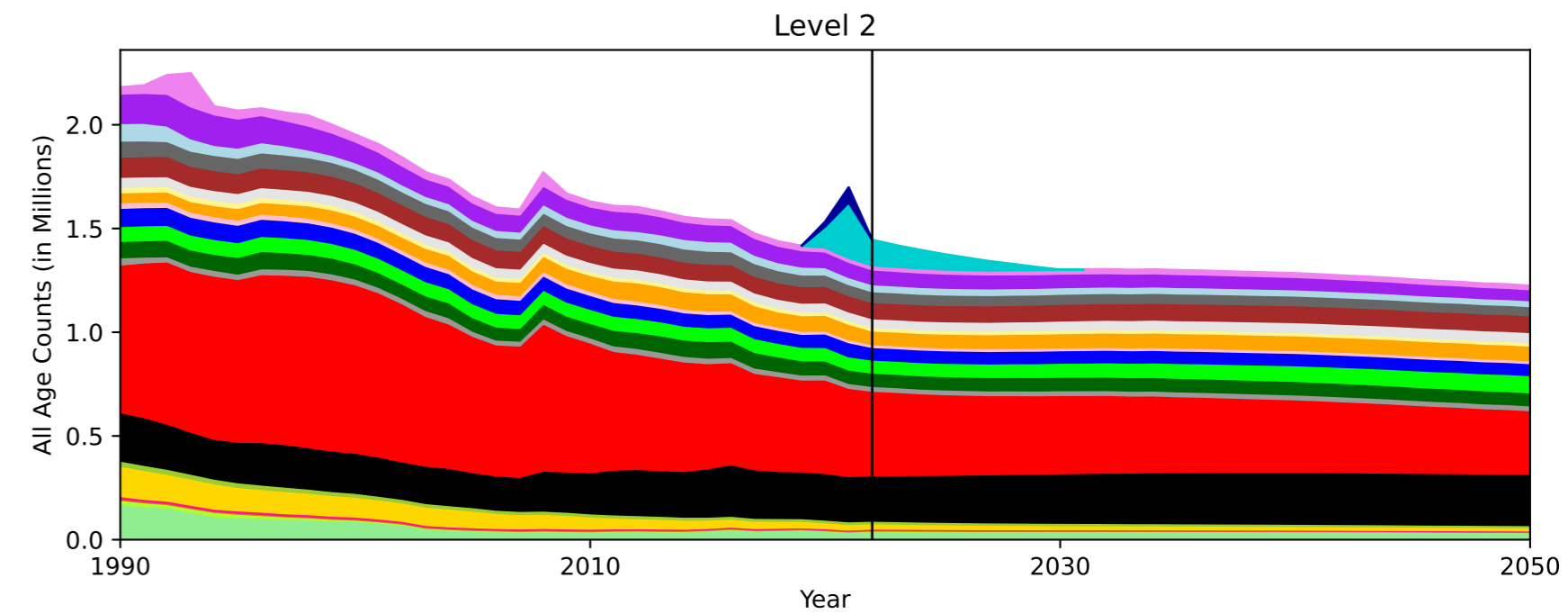
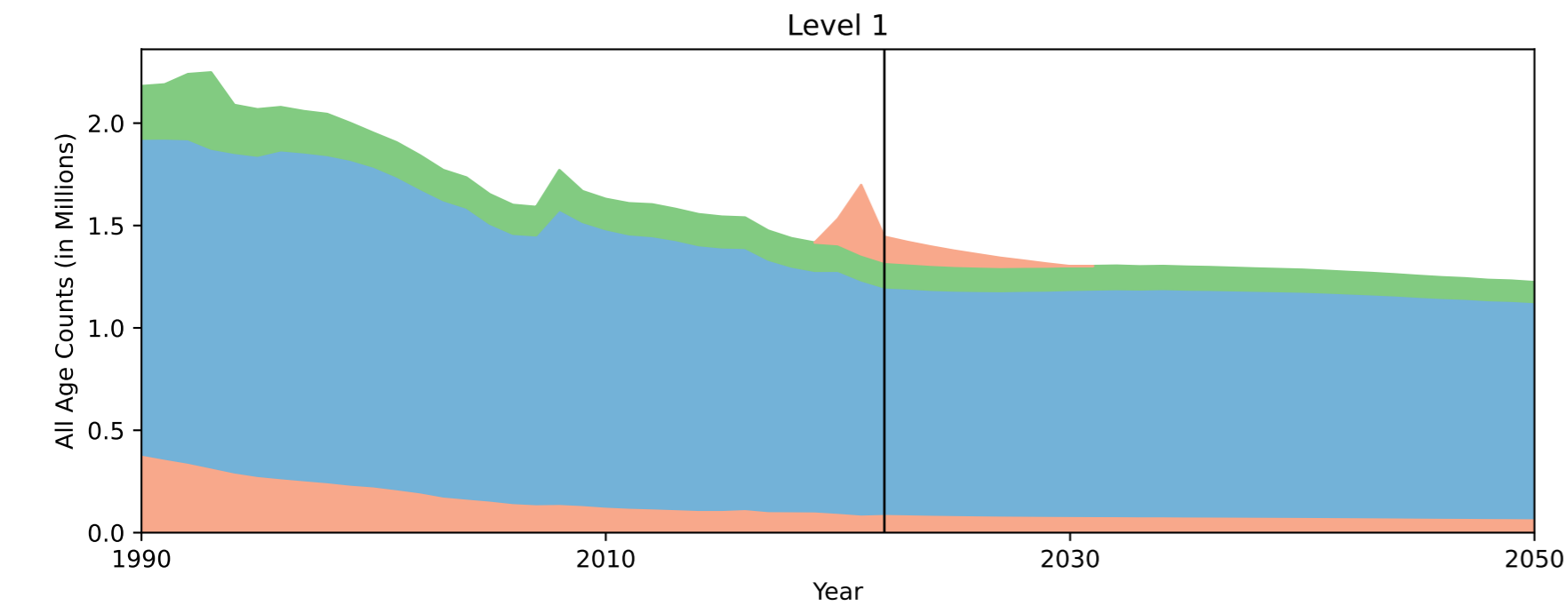
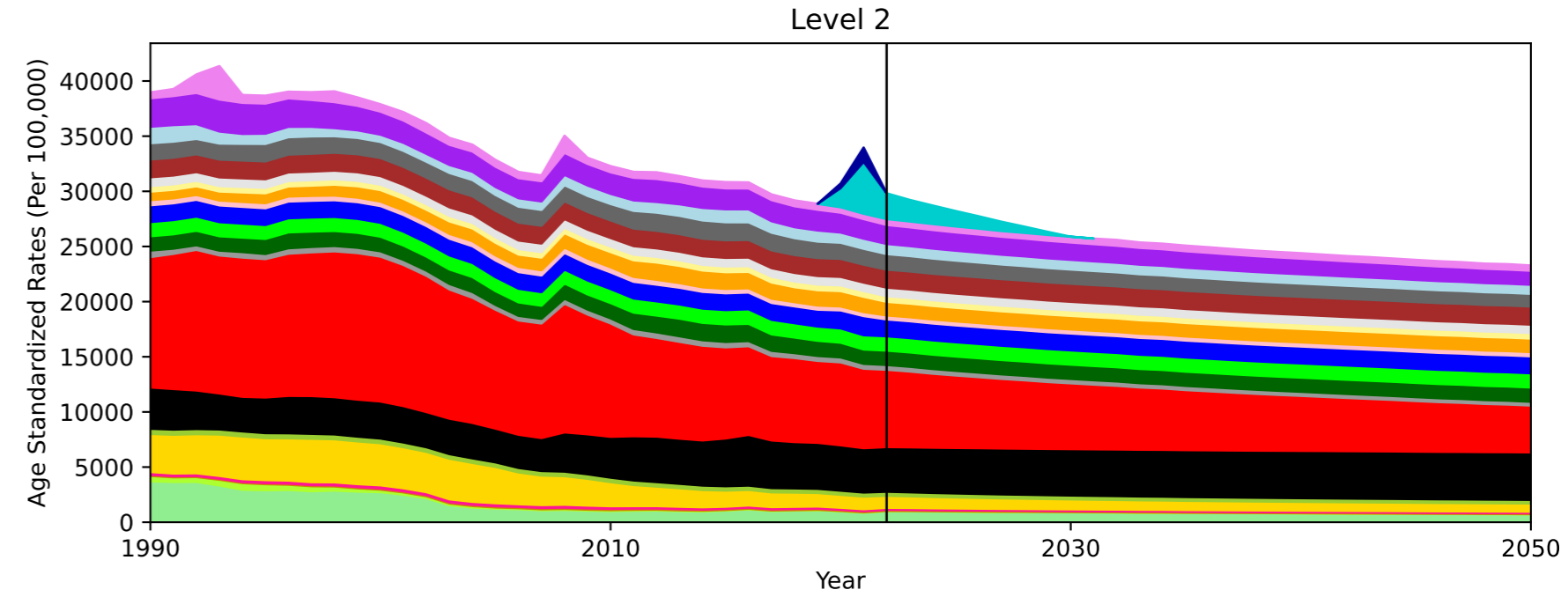
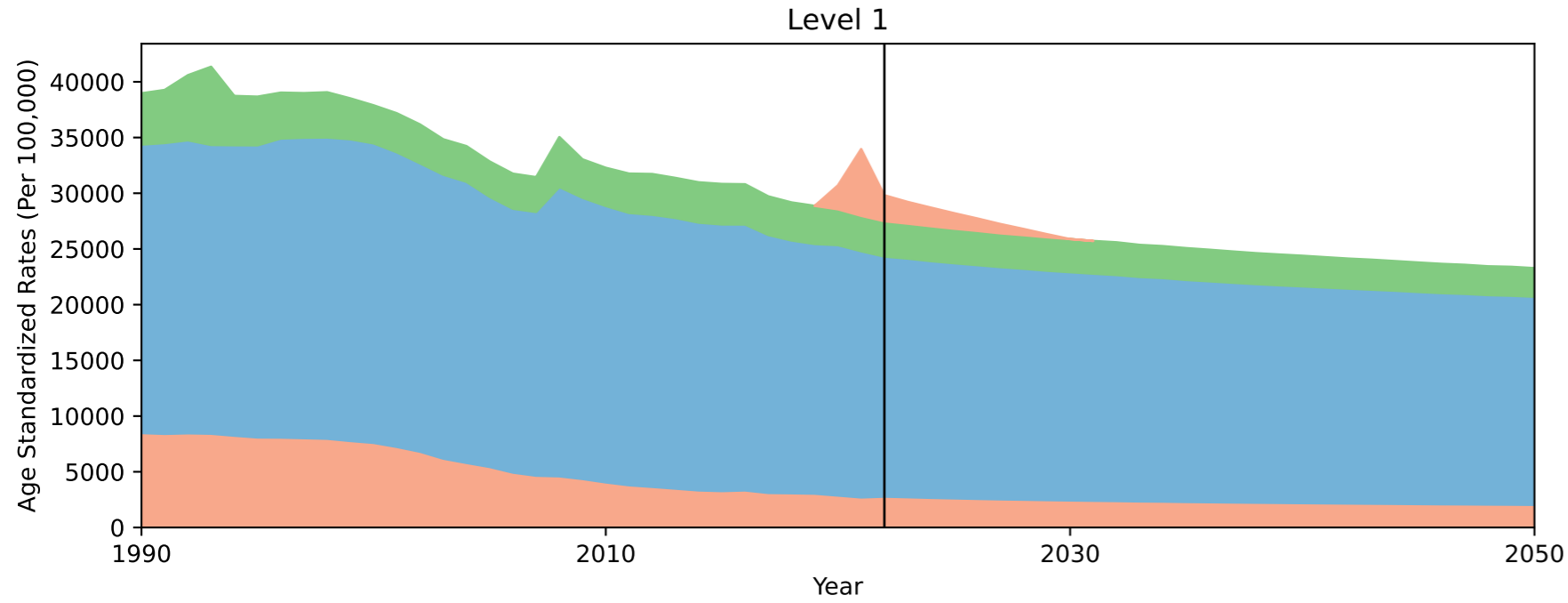
# Armenia



# Azerbaijan



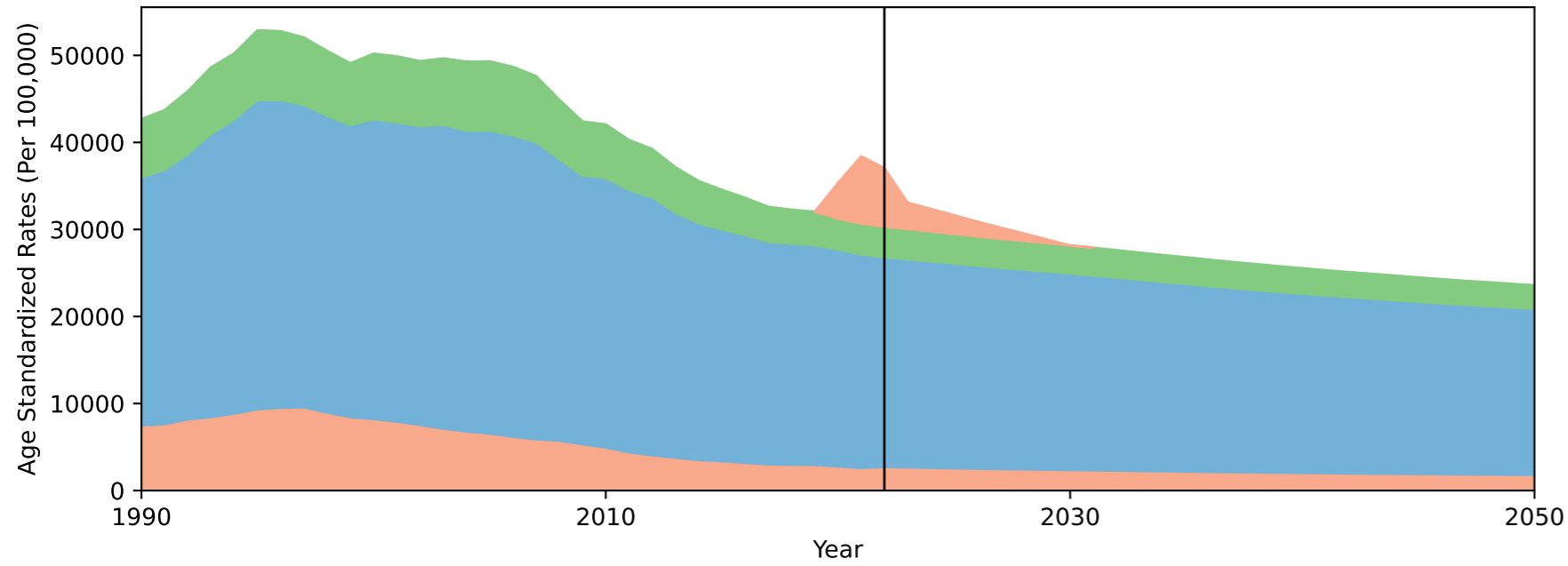
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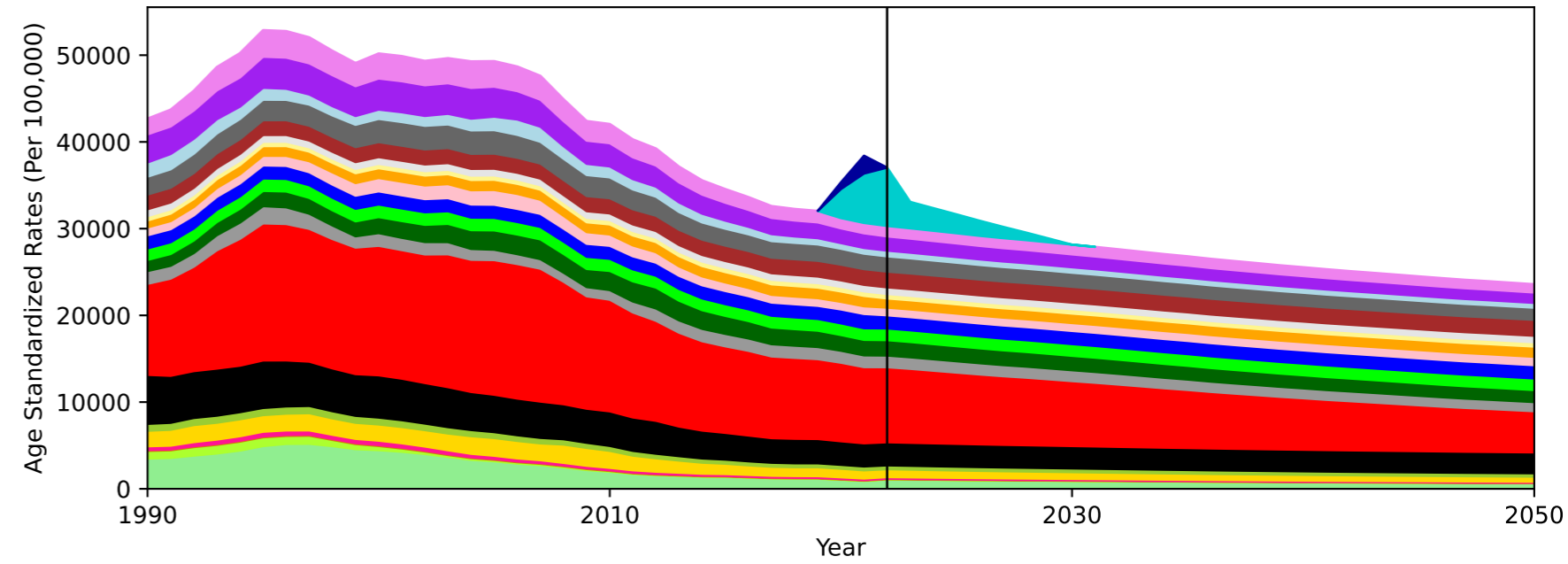


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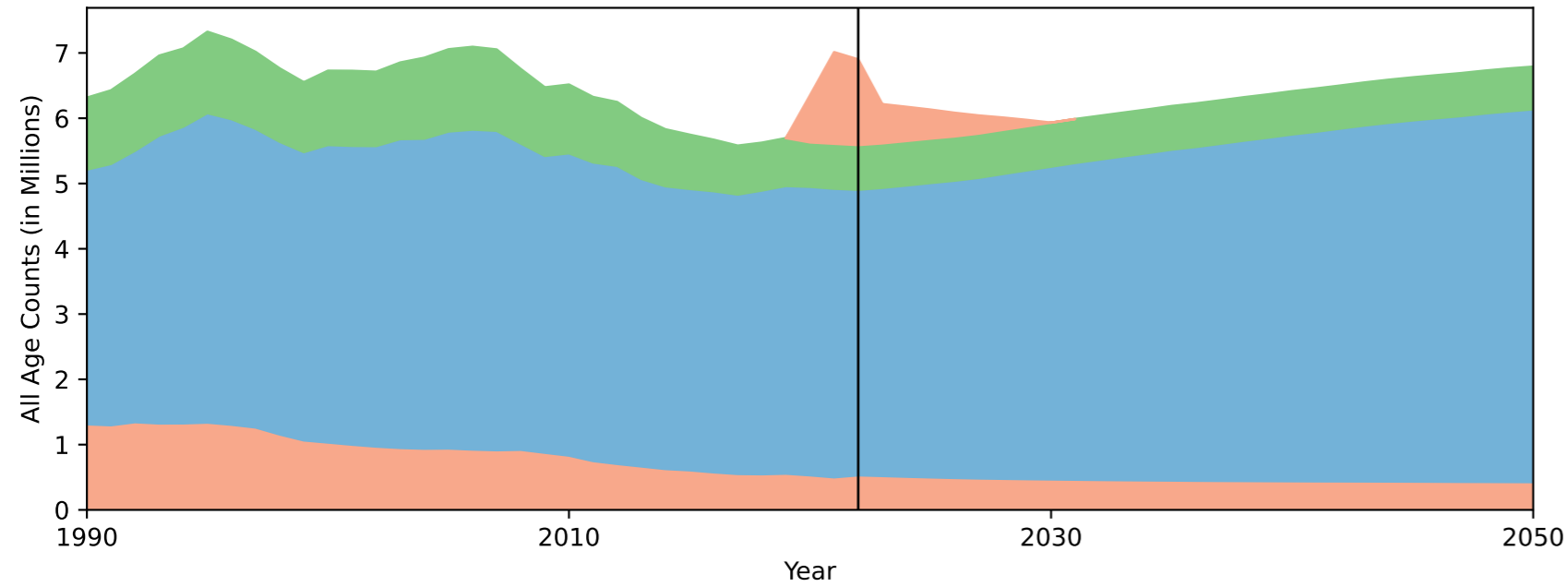
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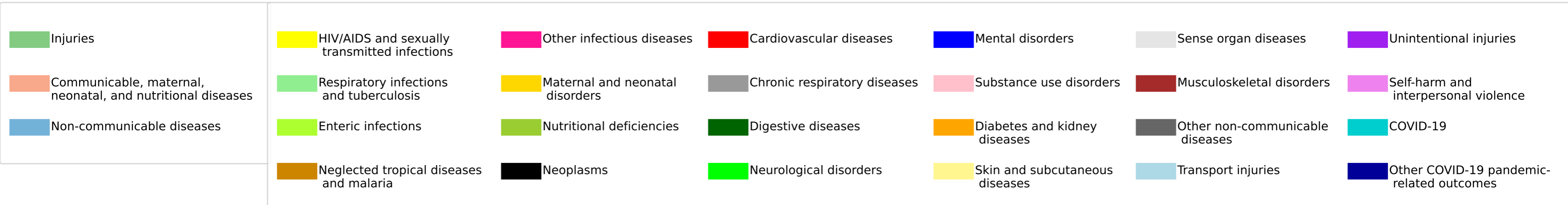
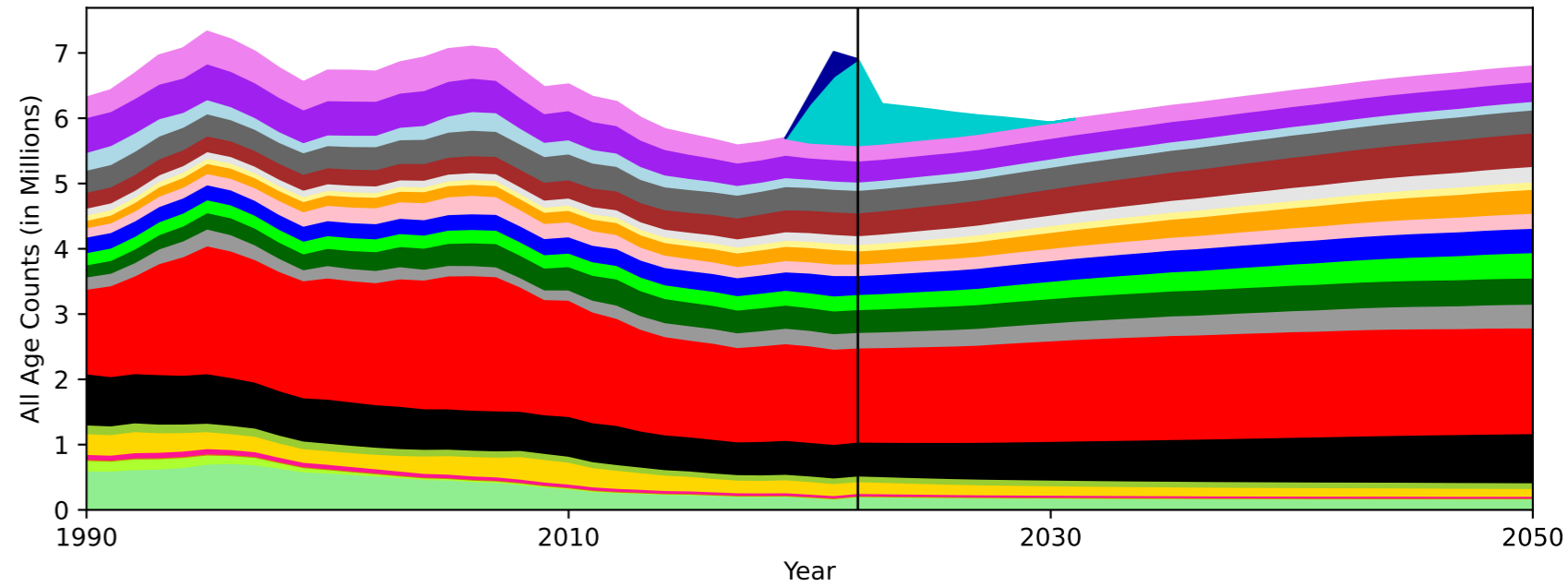
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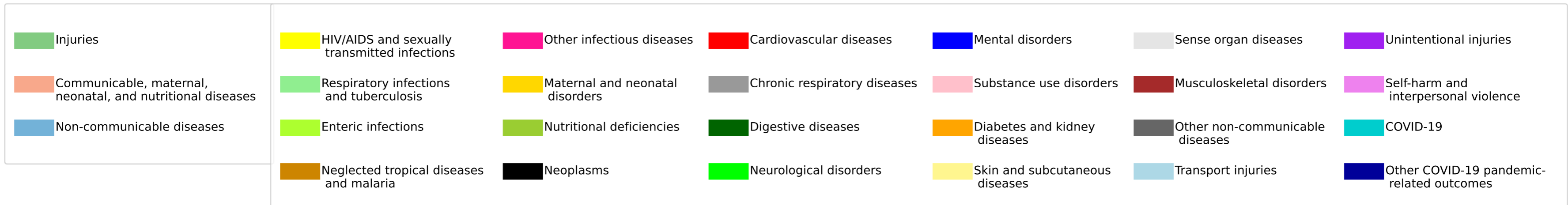
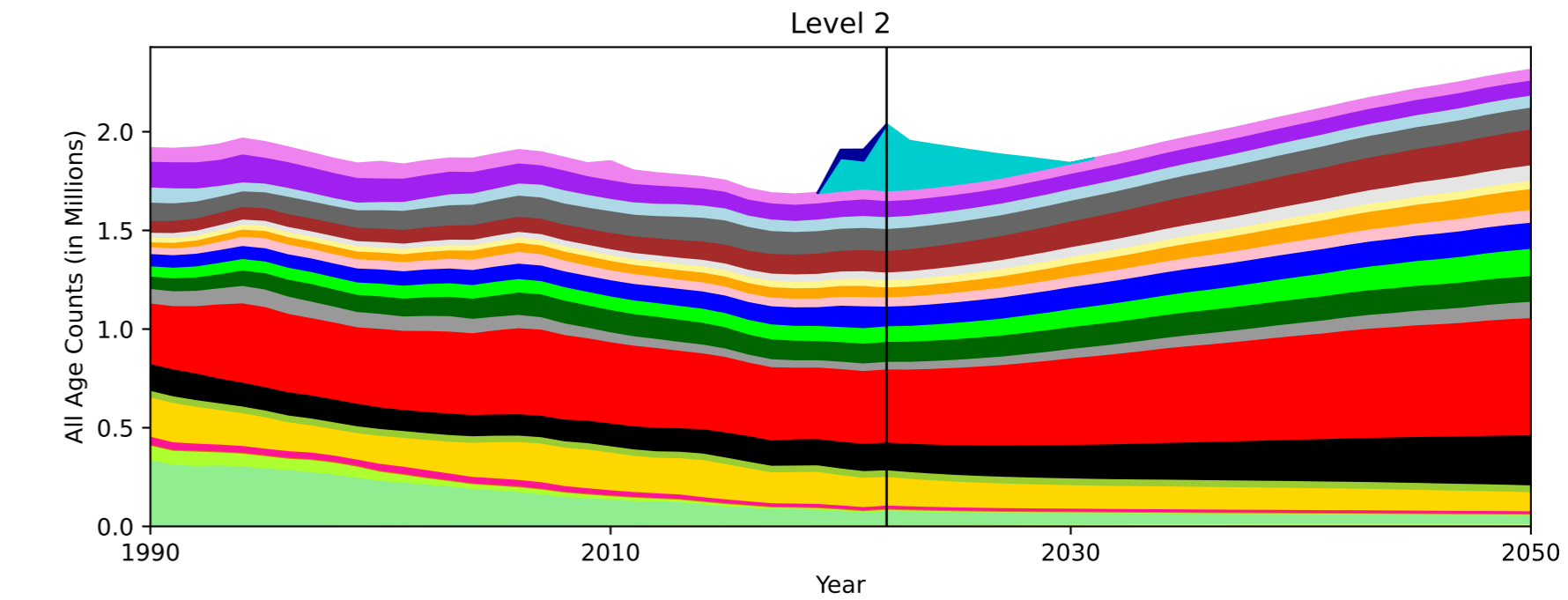
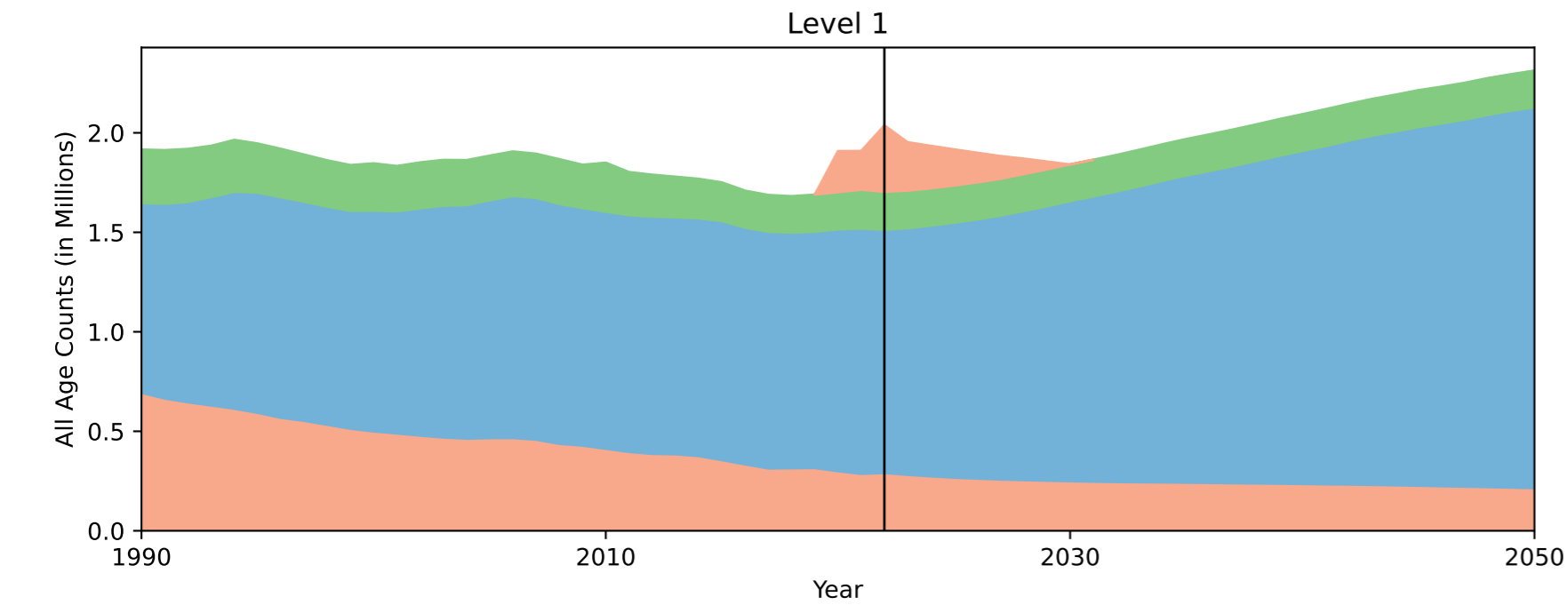
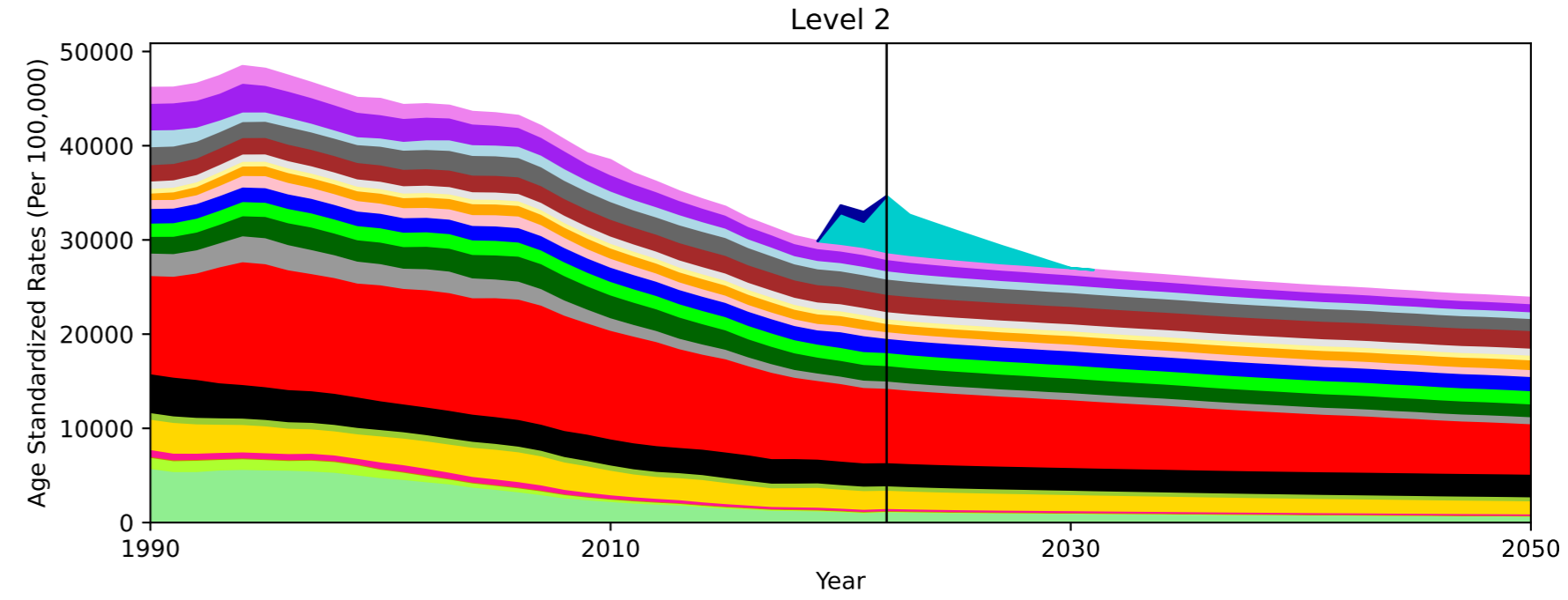
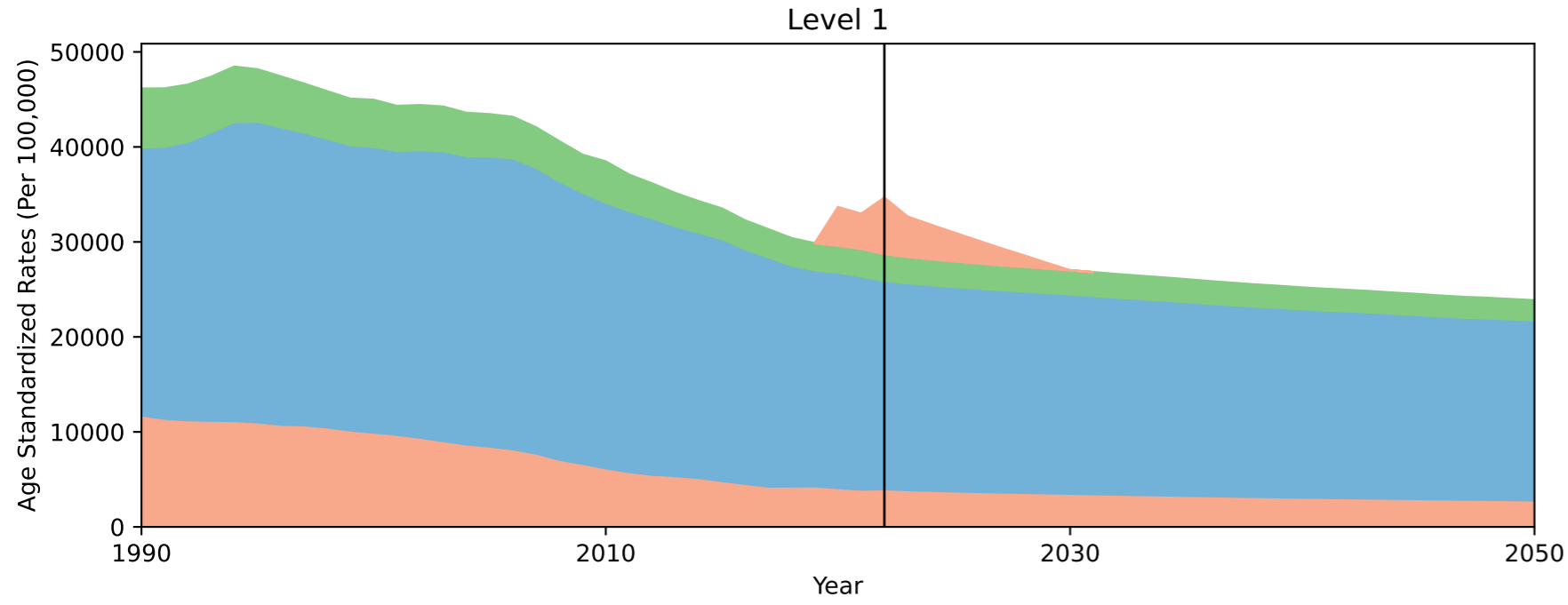
Level 1



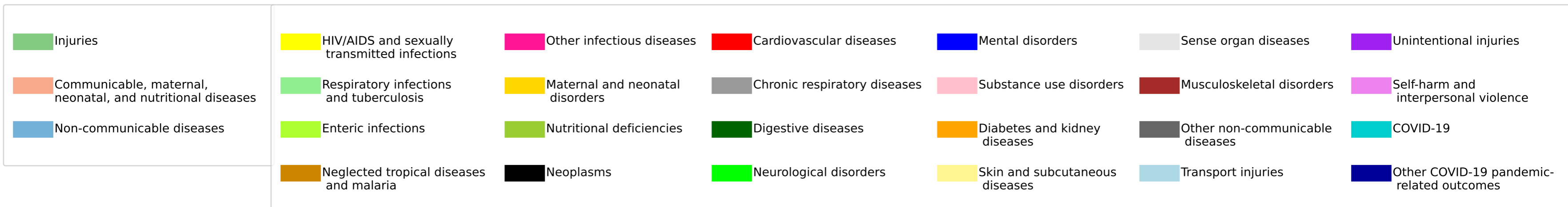
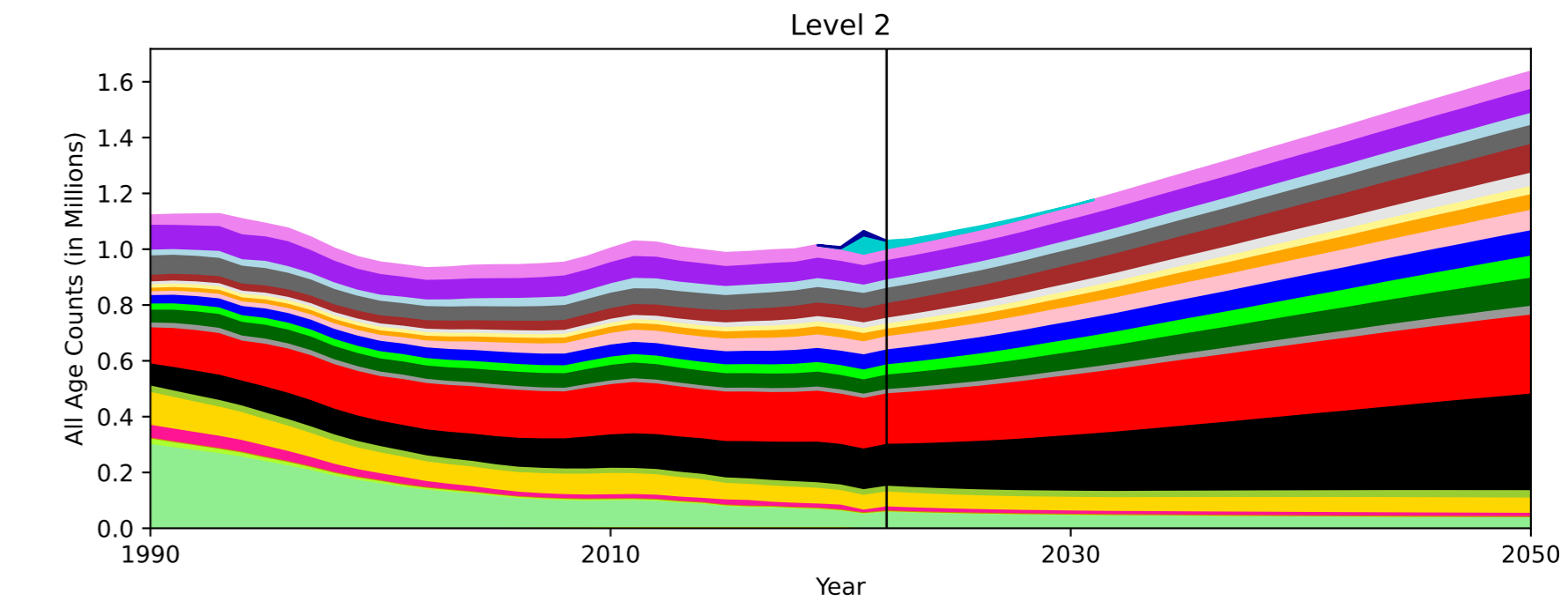
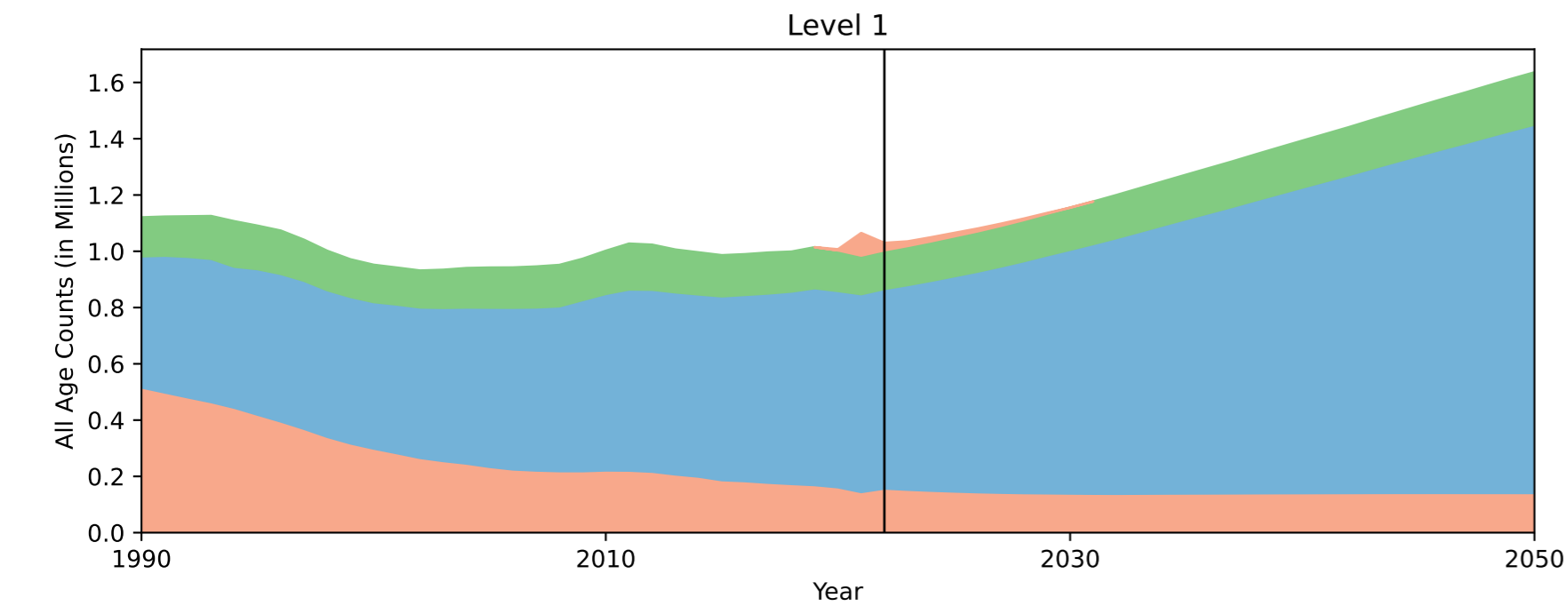
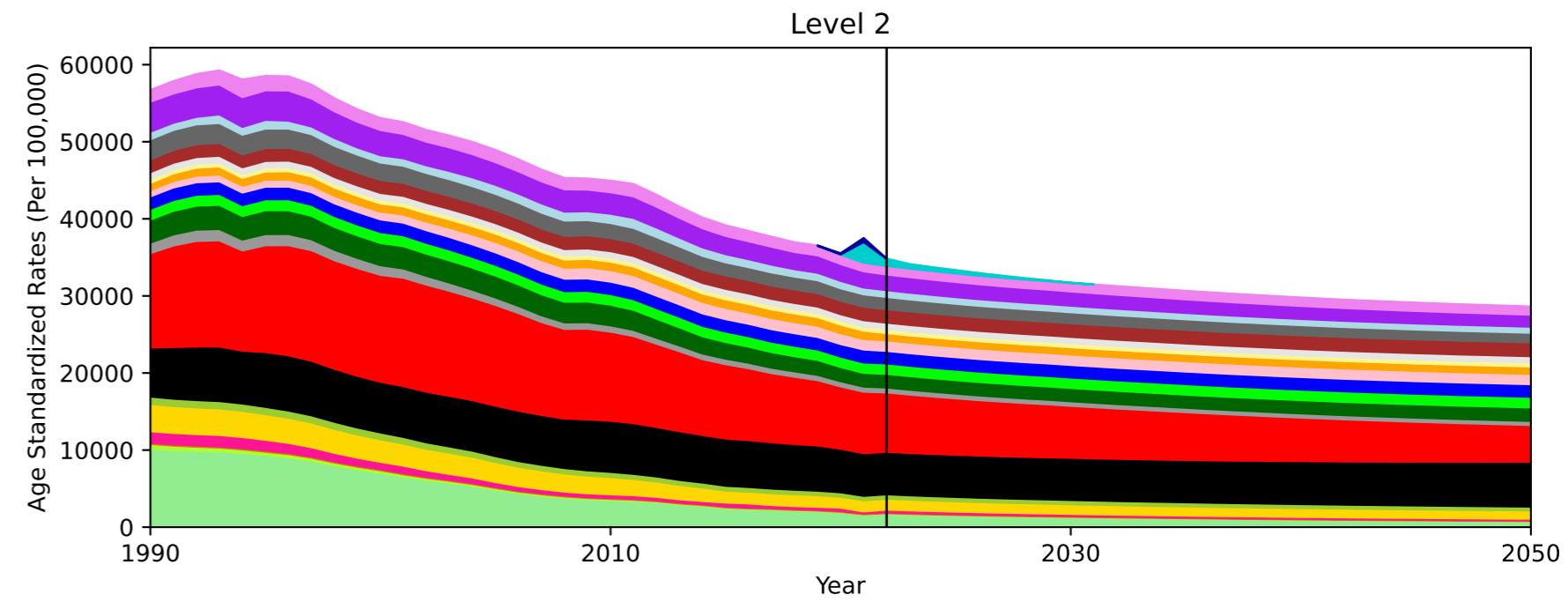
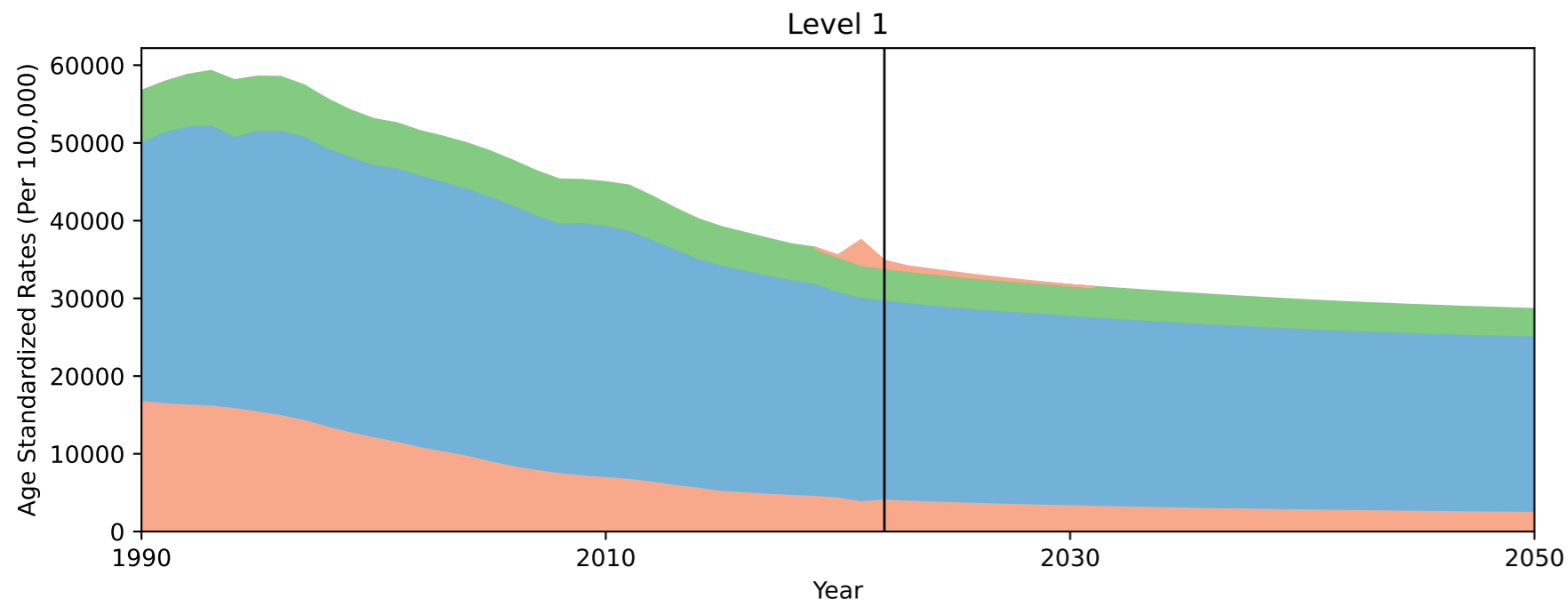
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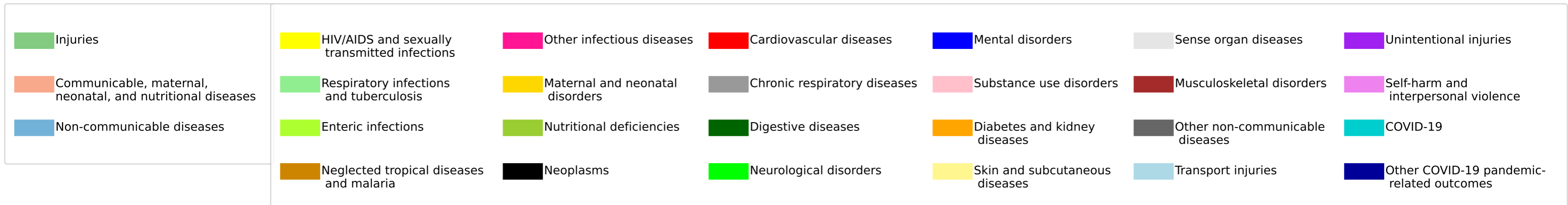
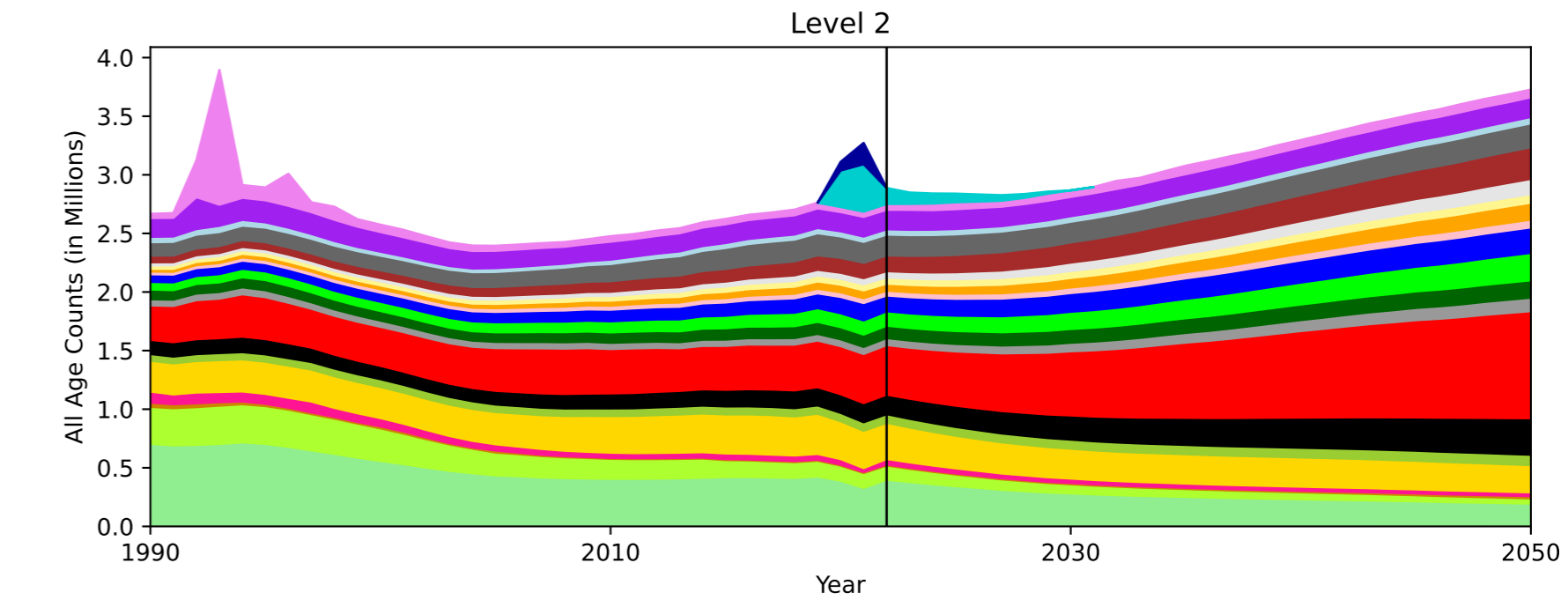
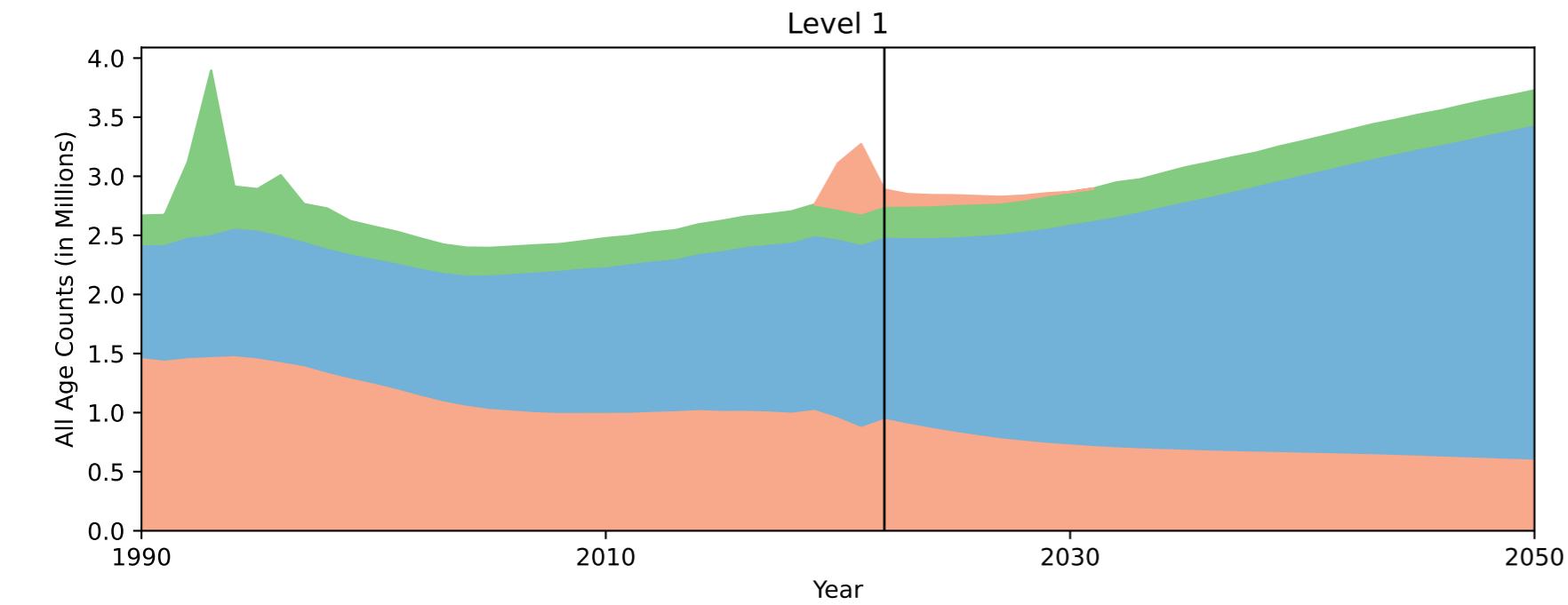
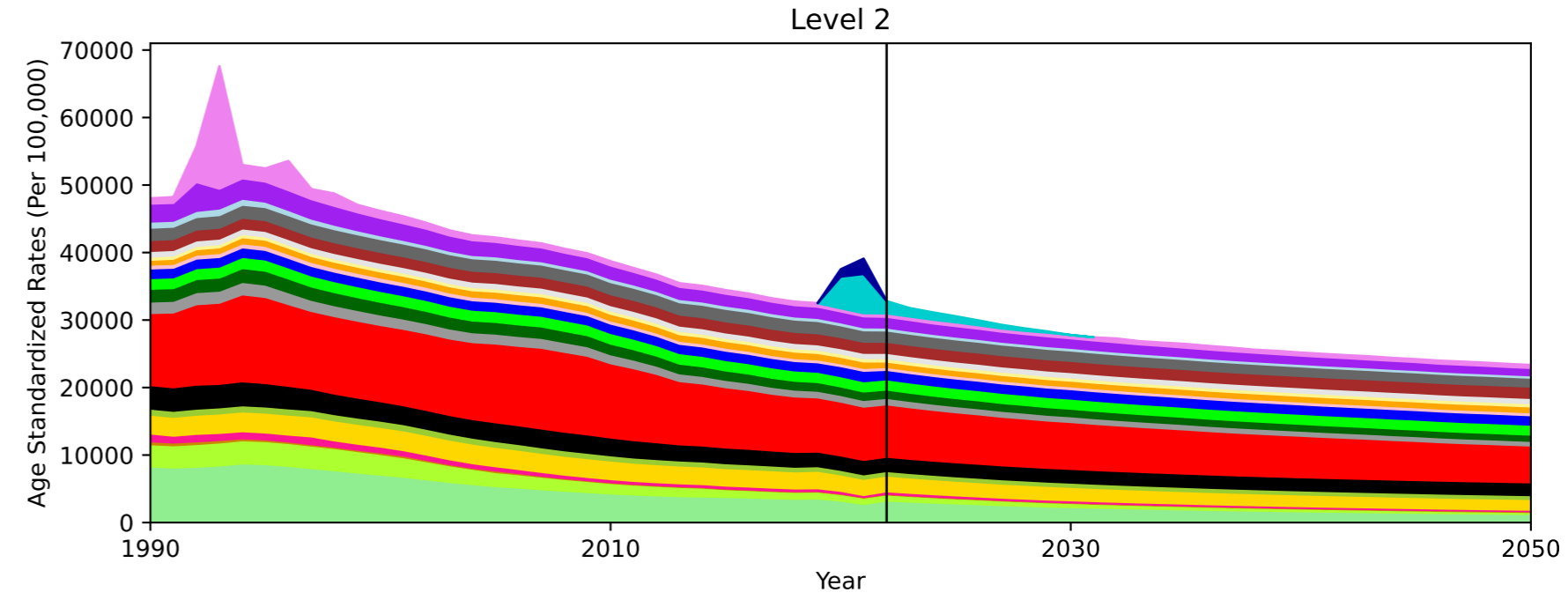
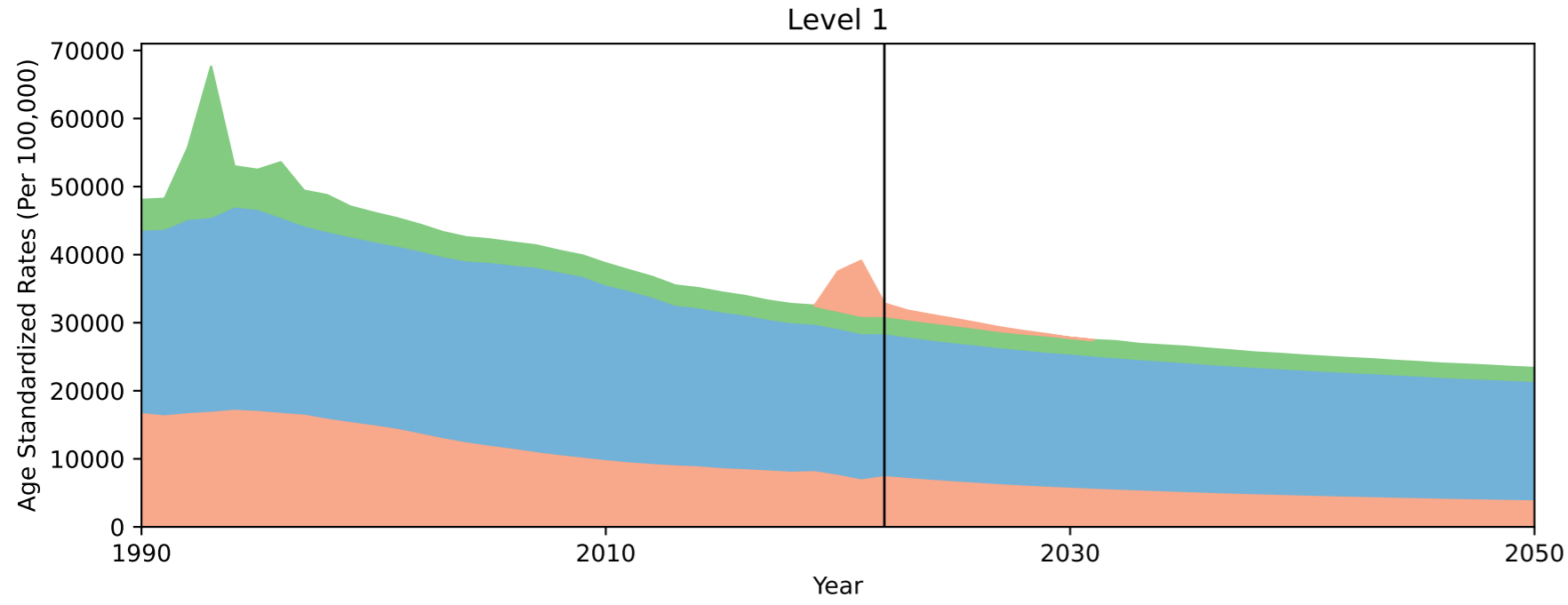
# Kyrgyzstan



# Mongolia

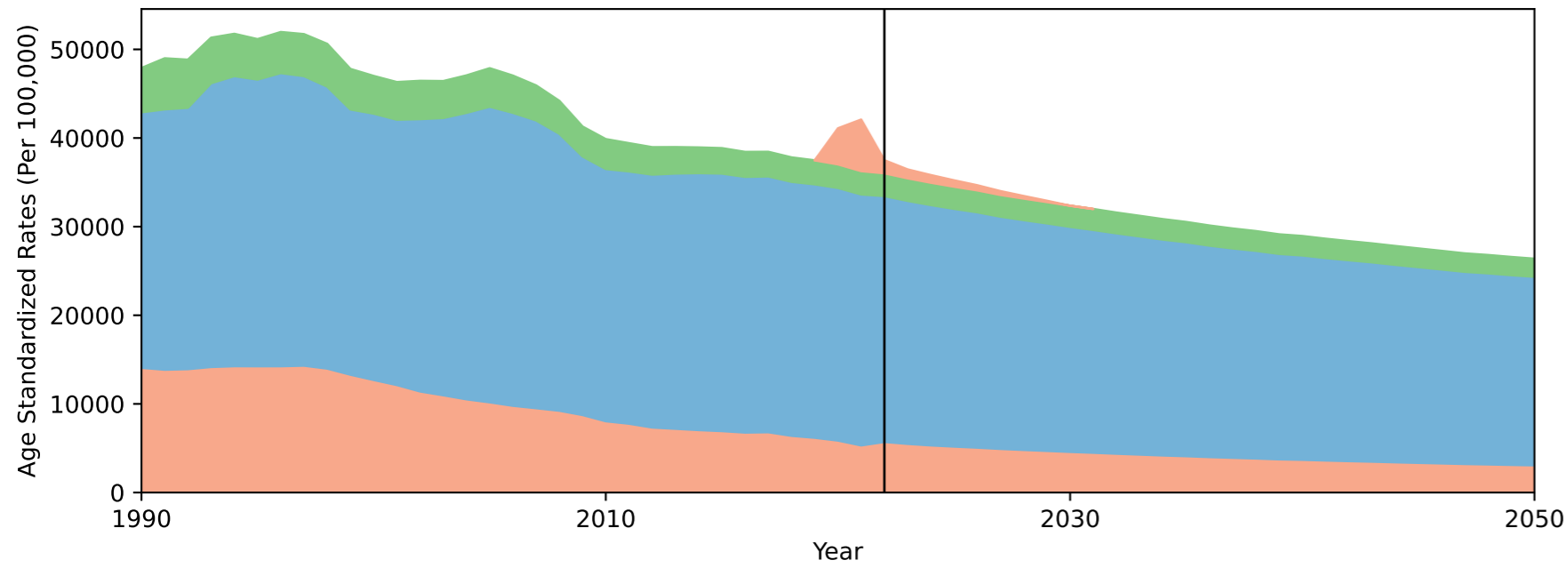


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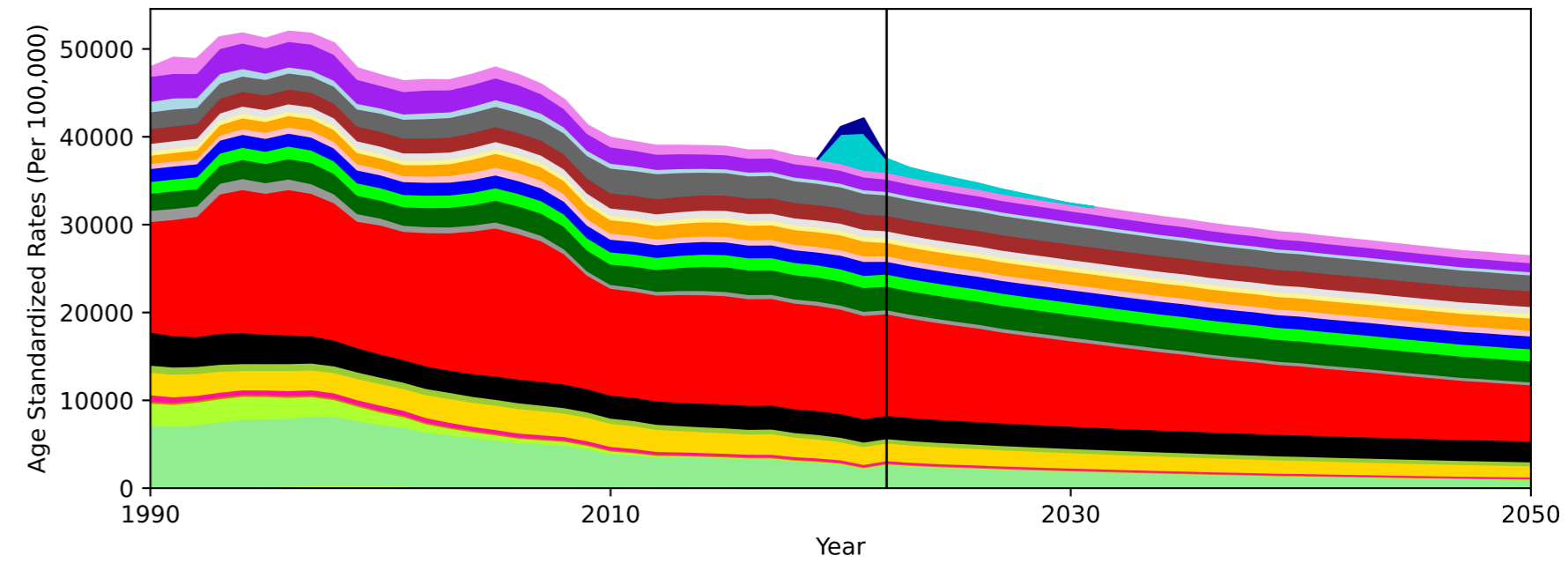


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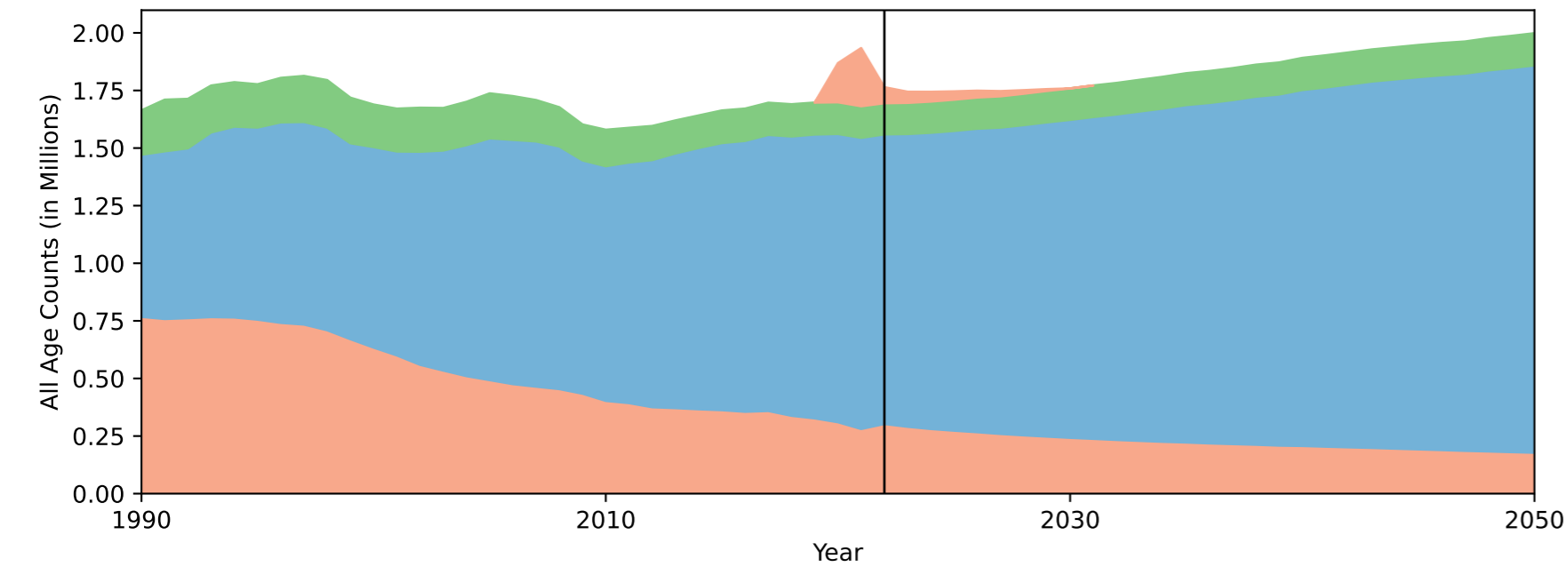
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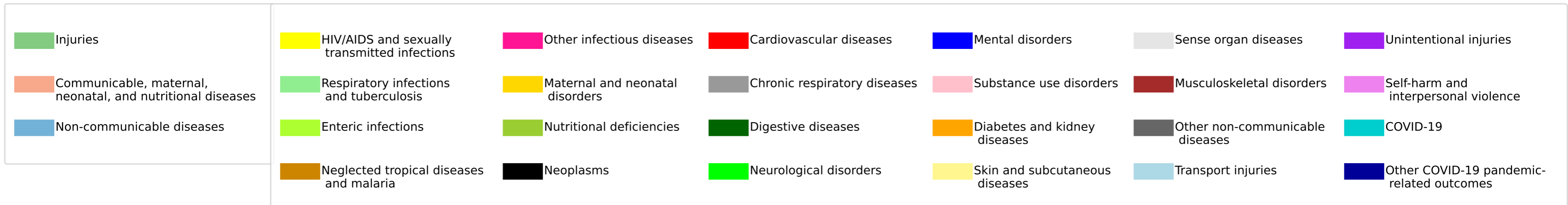
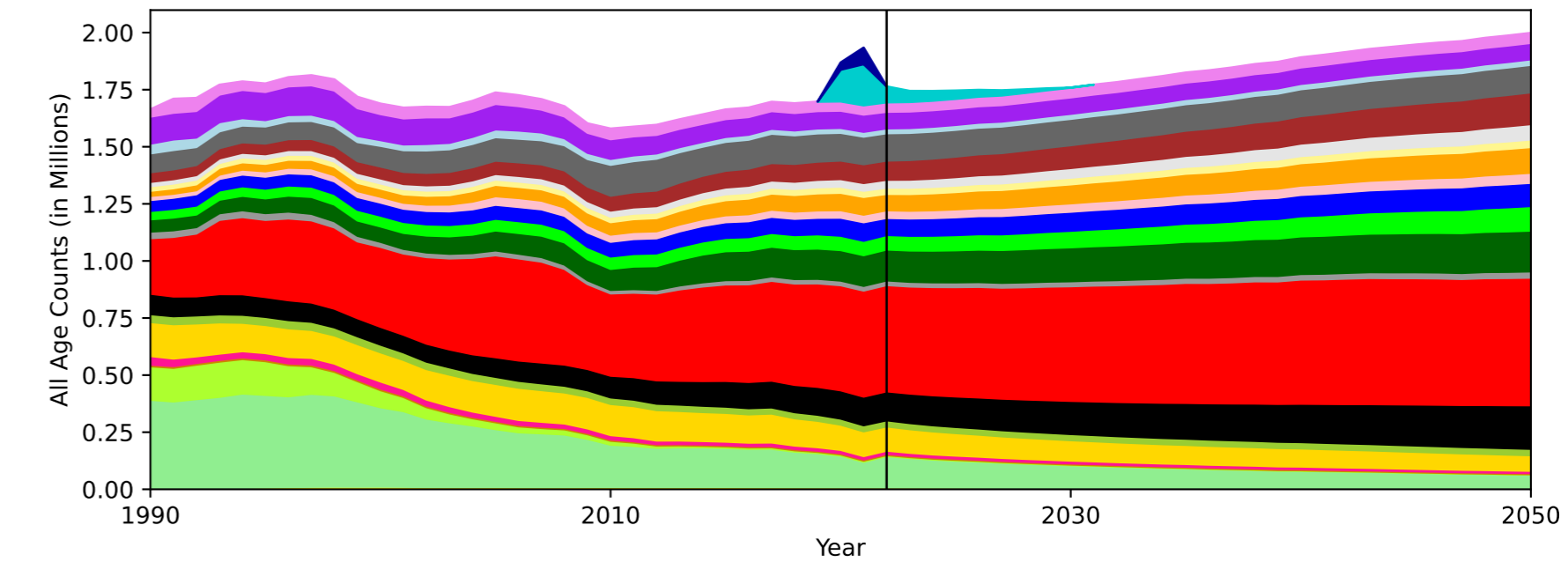
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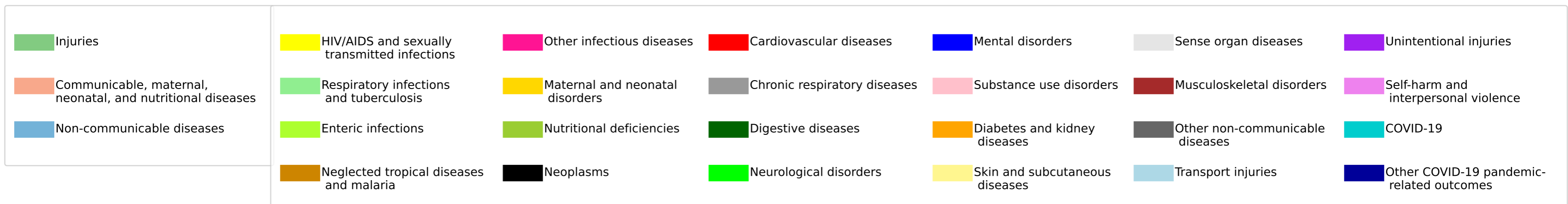
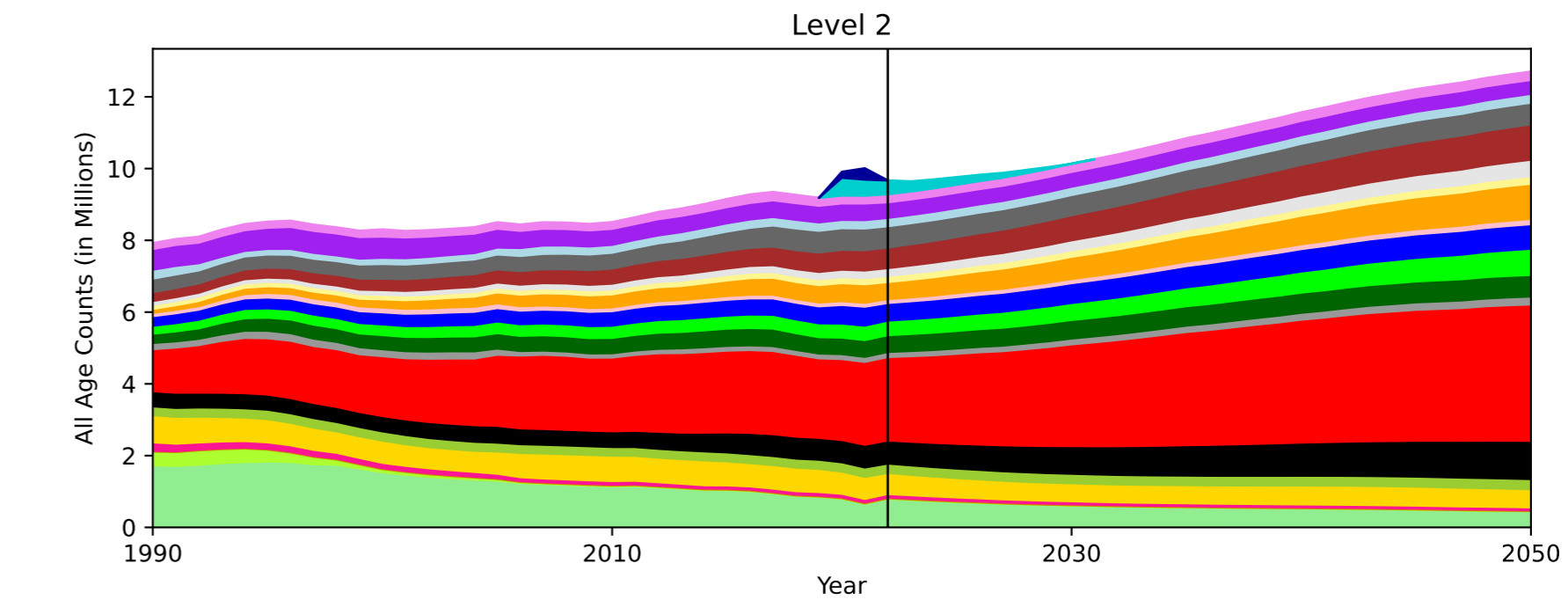
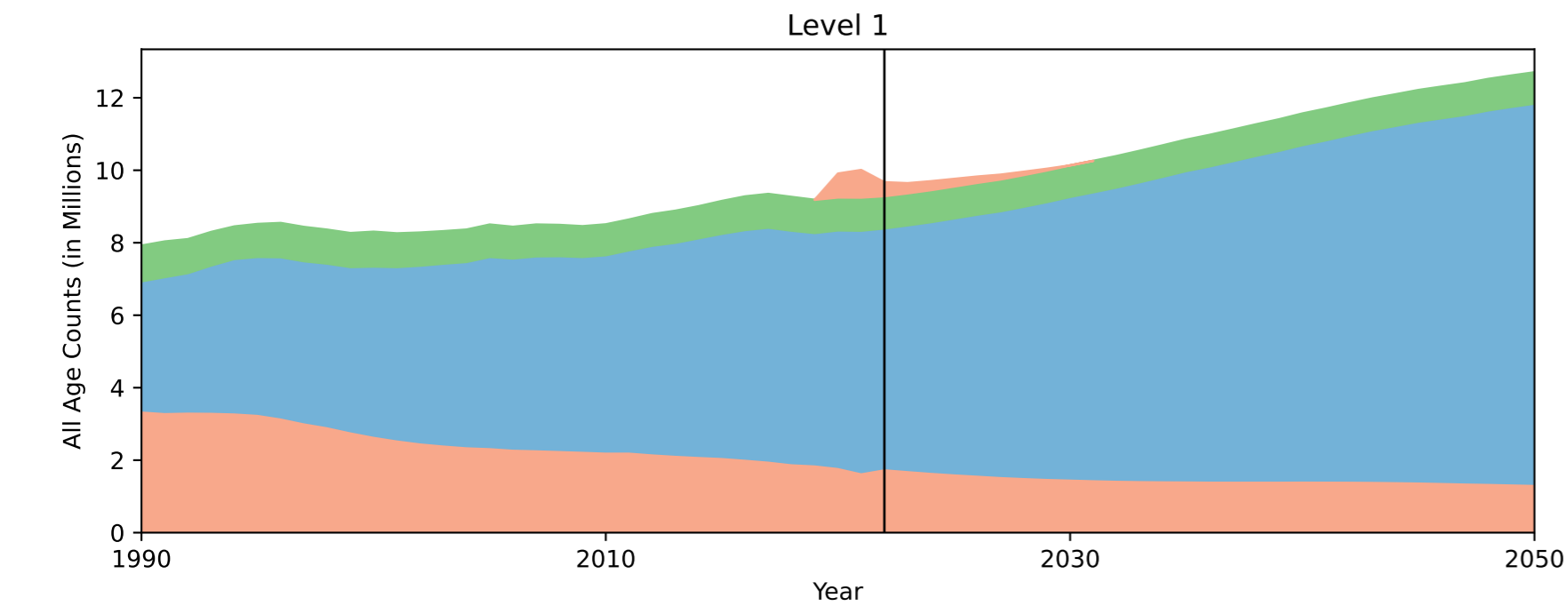
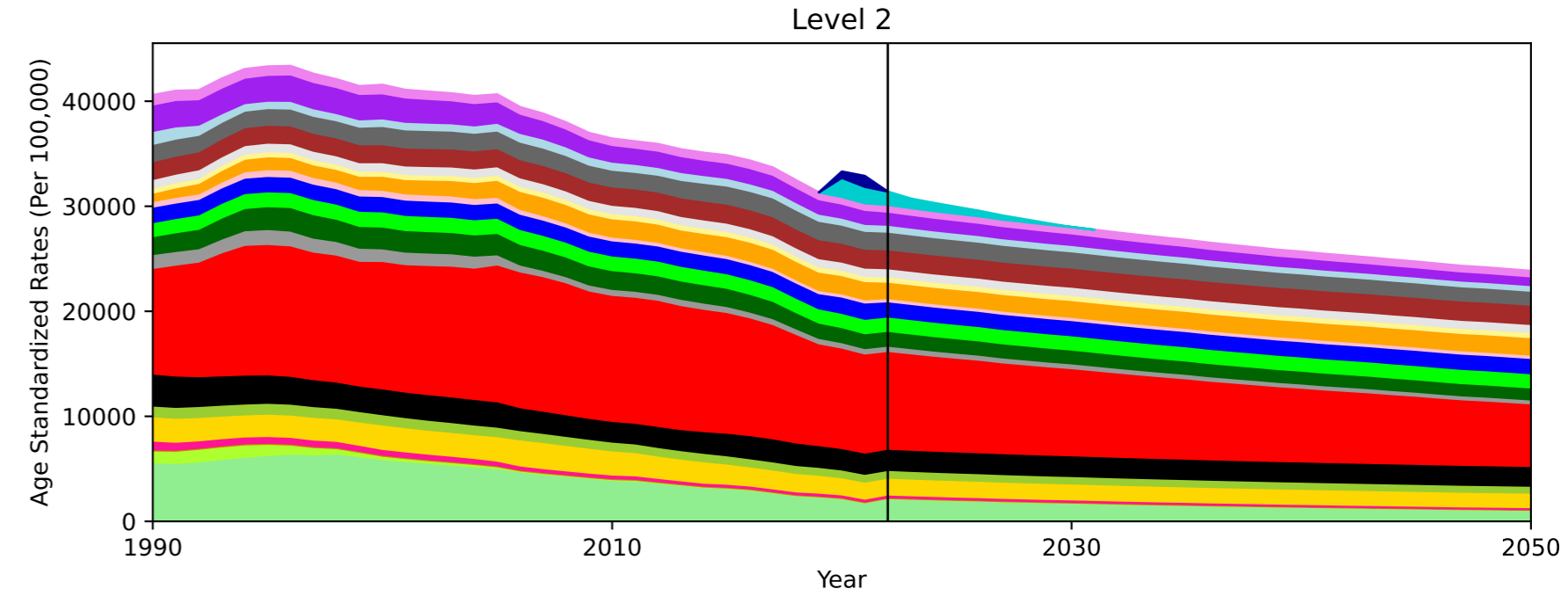
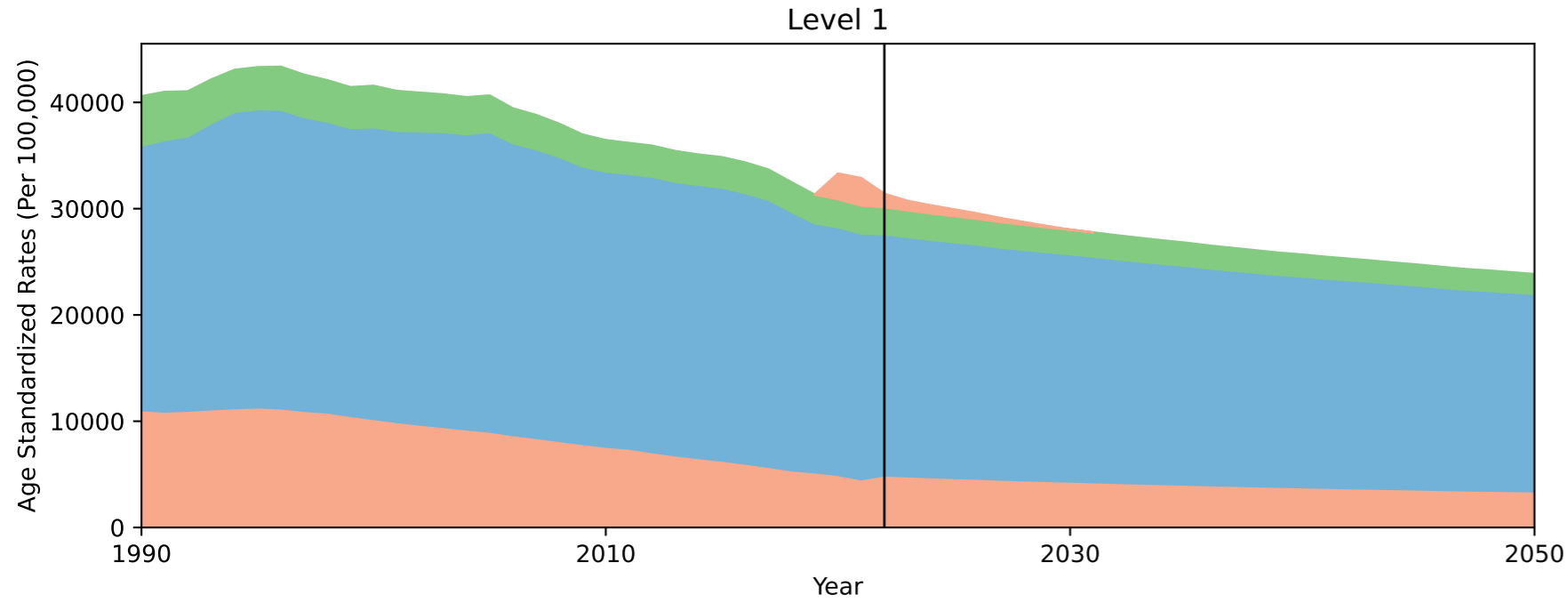
Level 1



Level 2

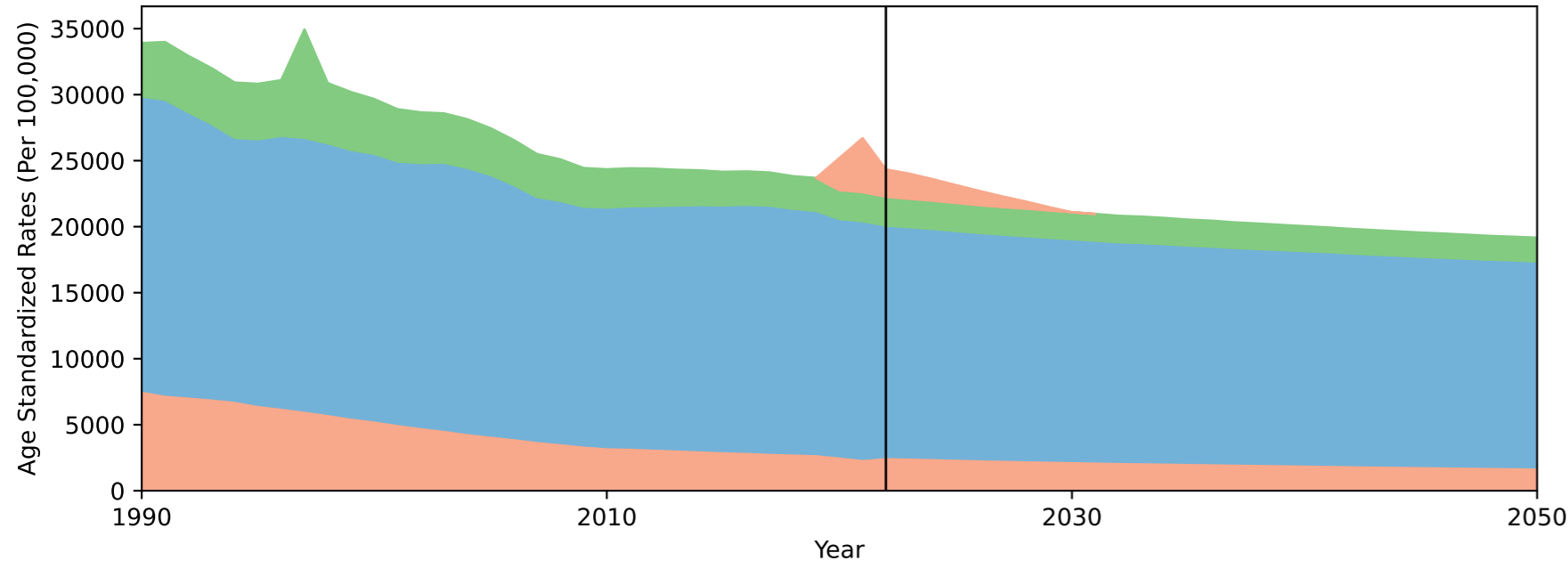


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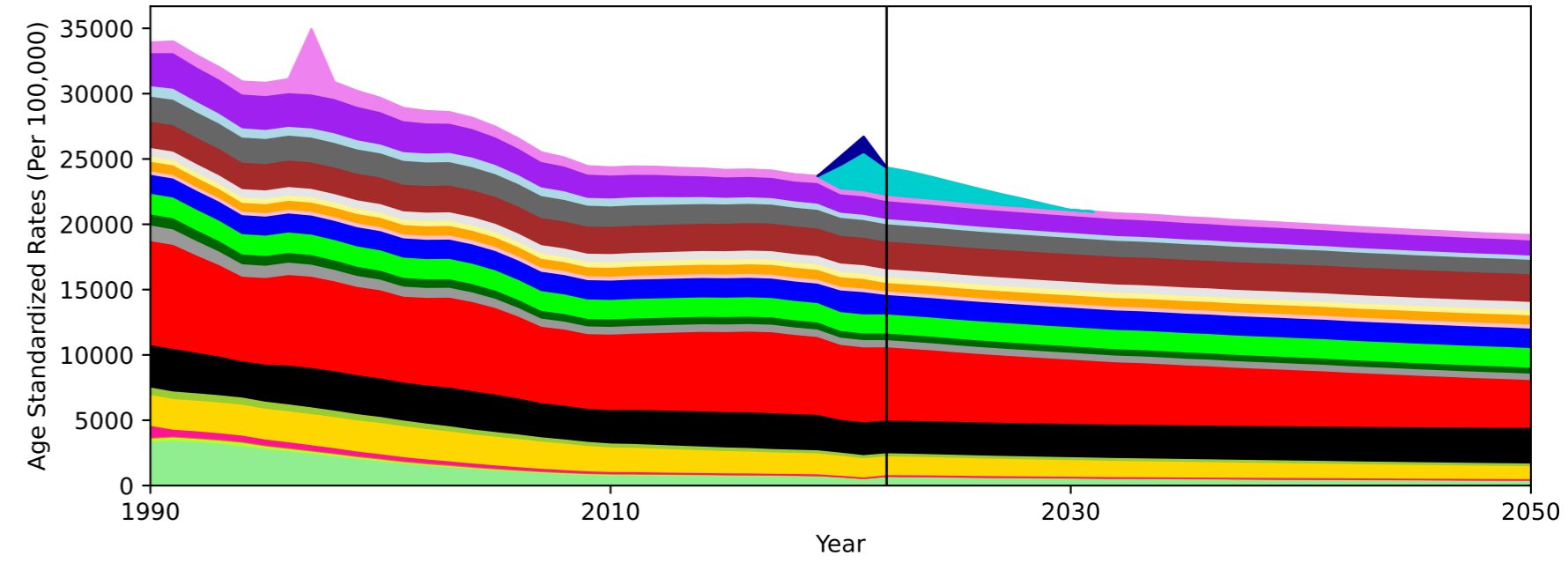


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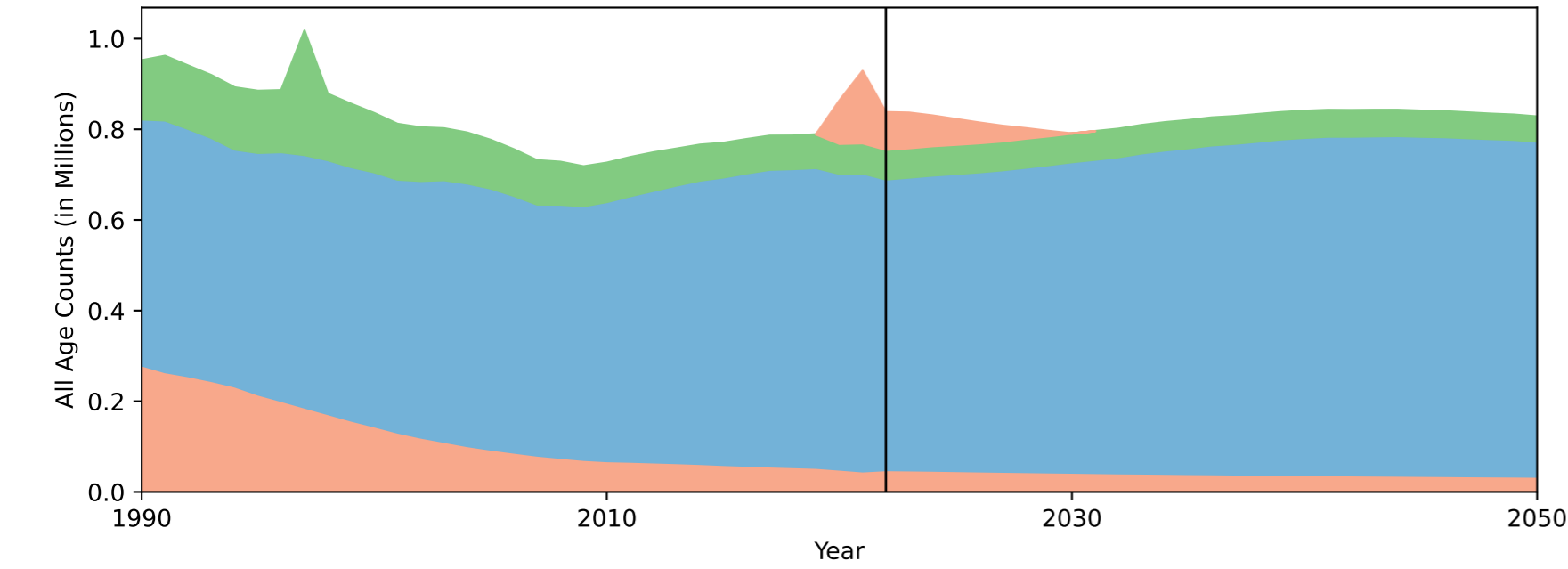
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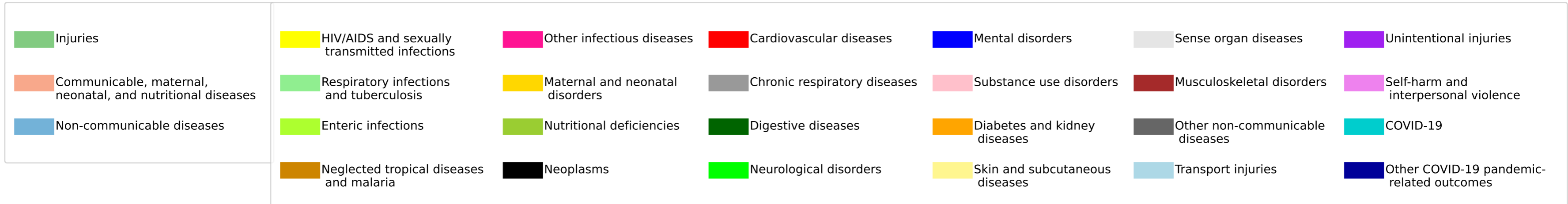
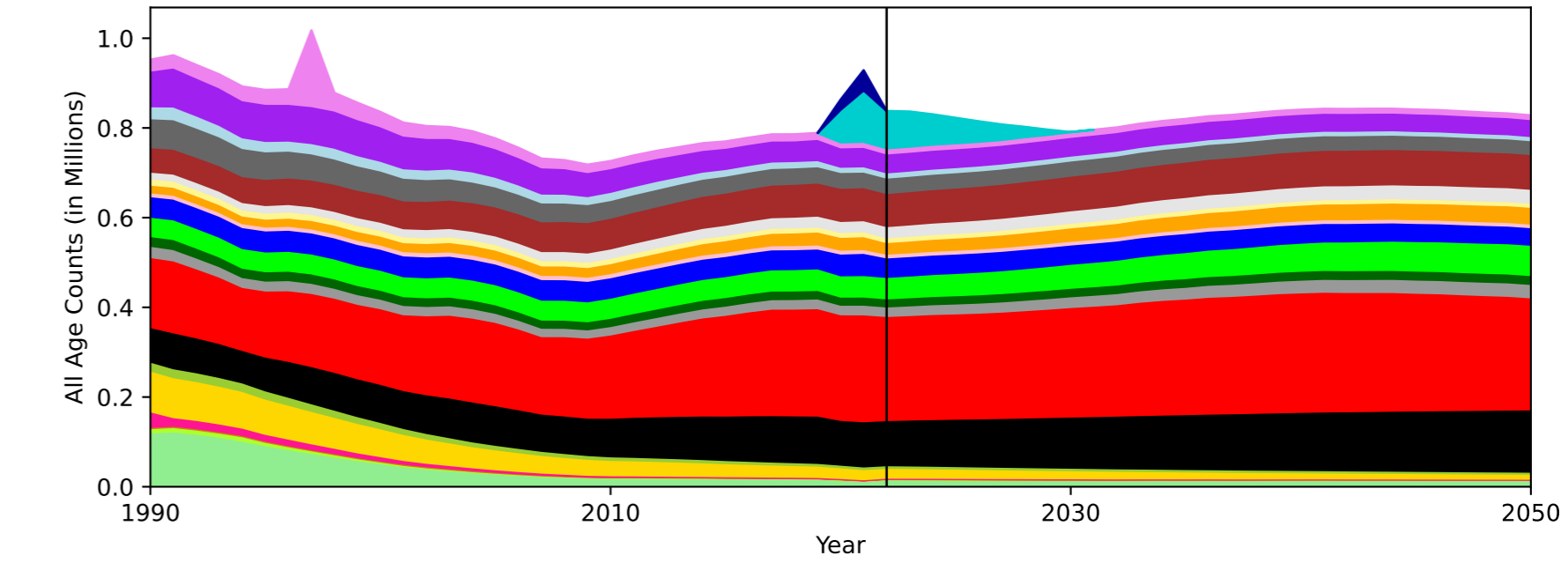
Level 2



Level 1



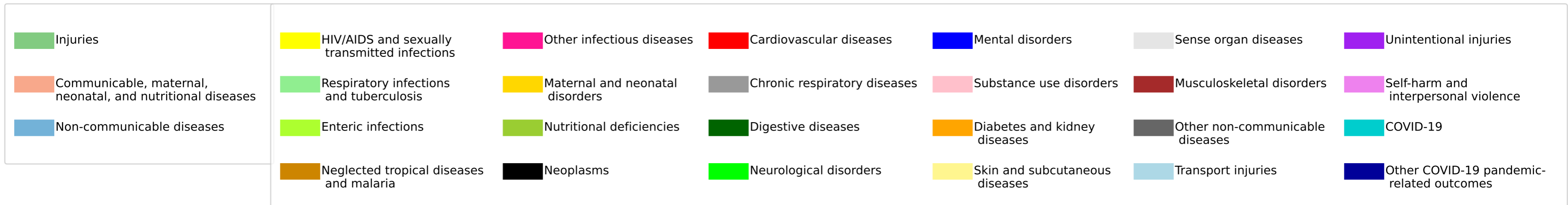
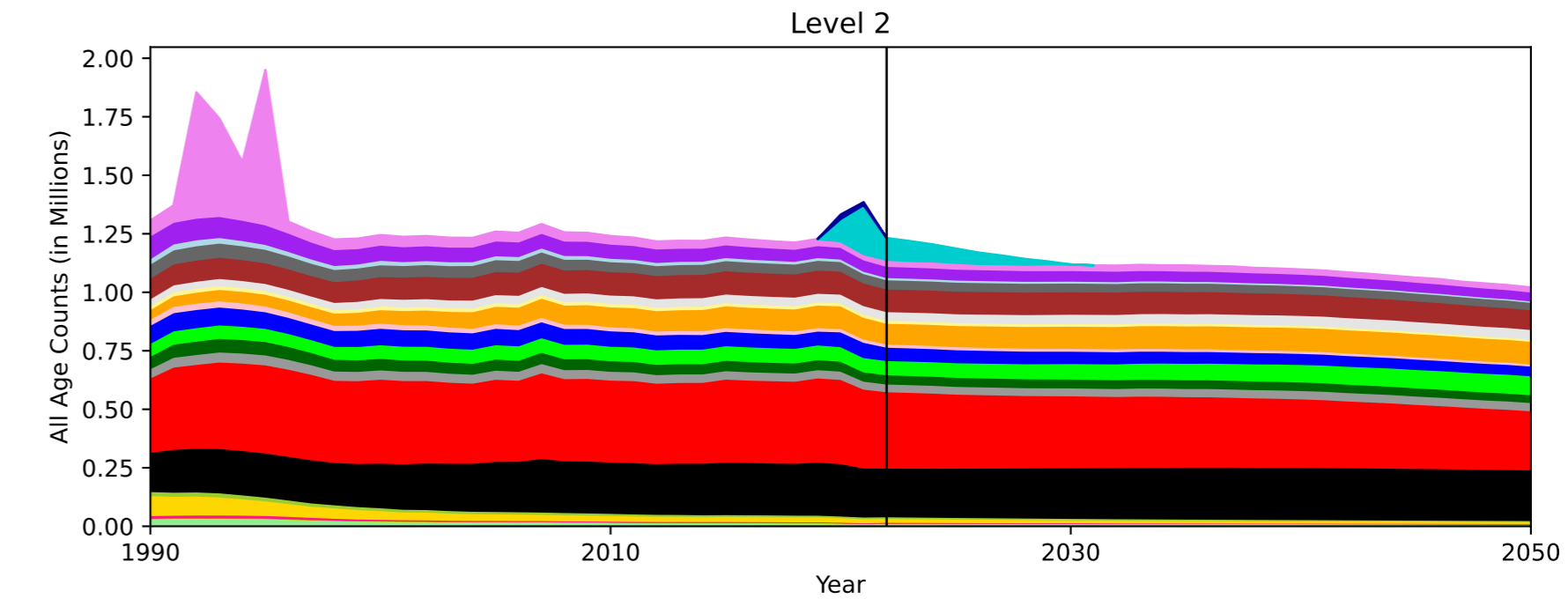
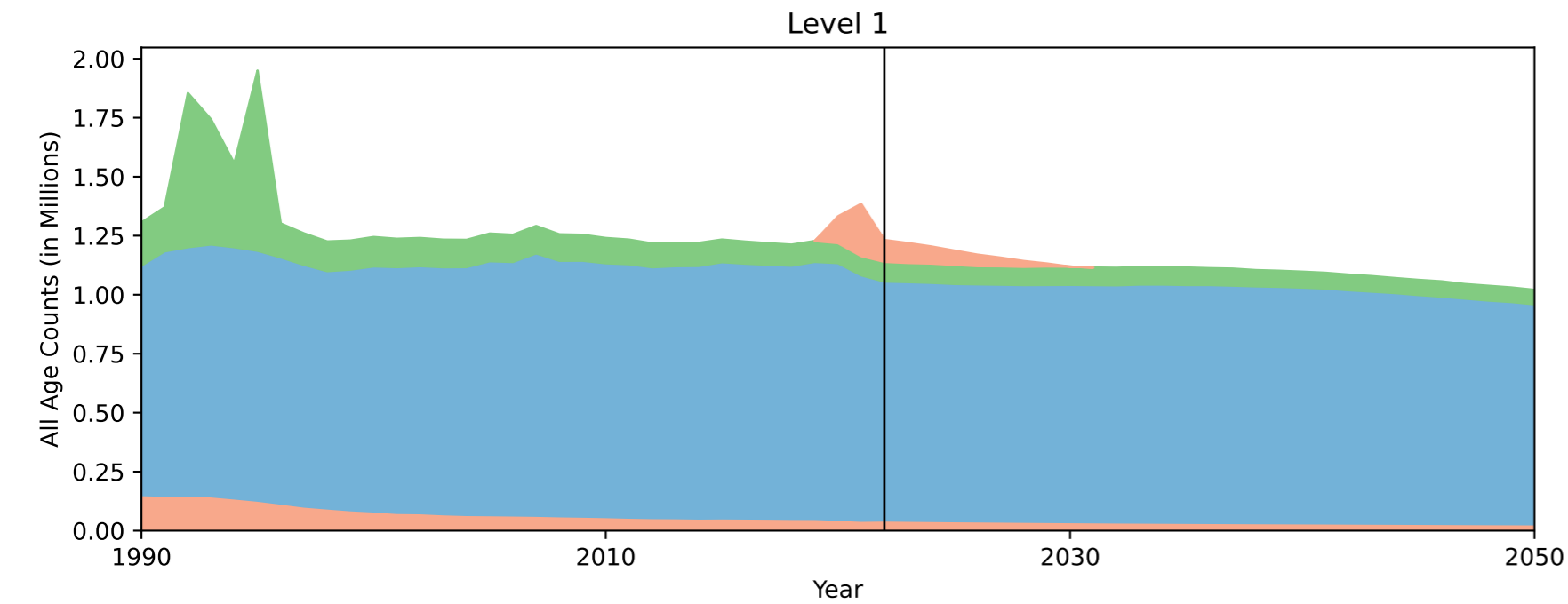
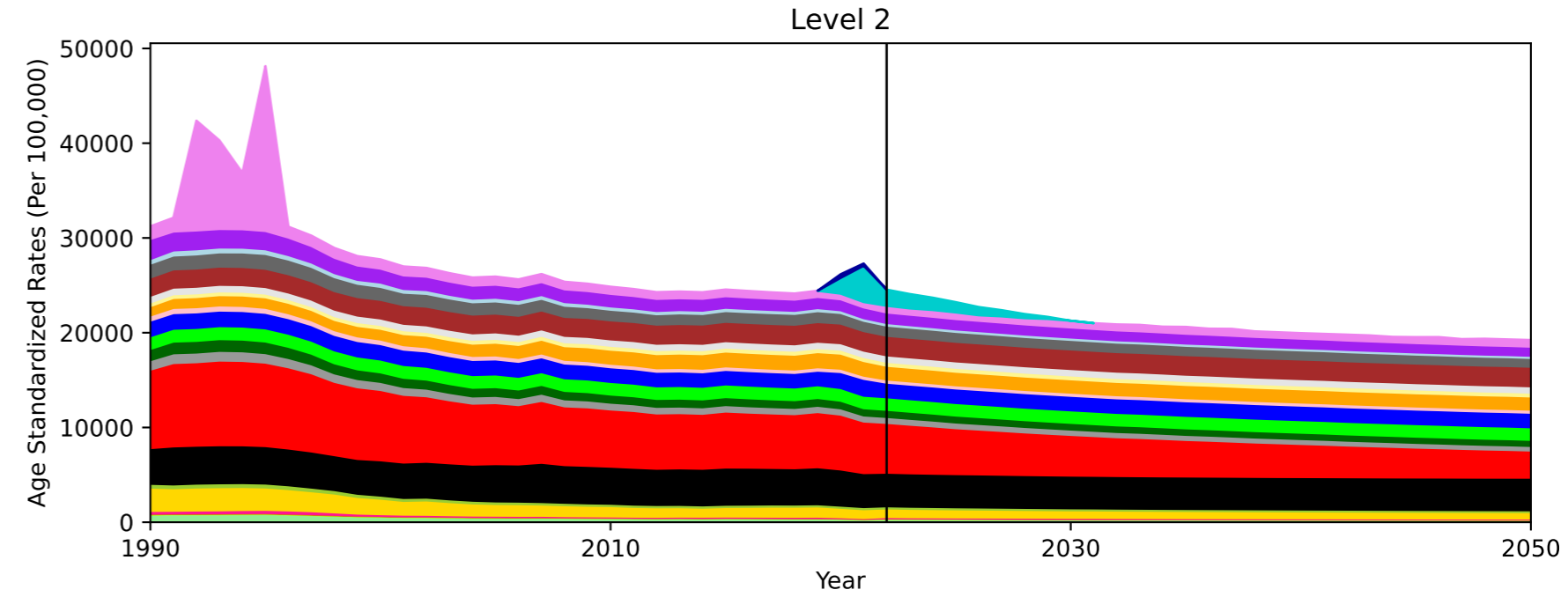
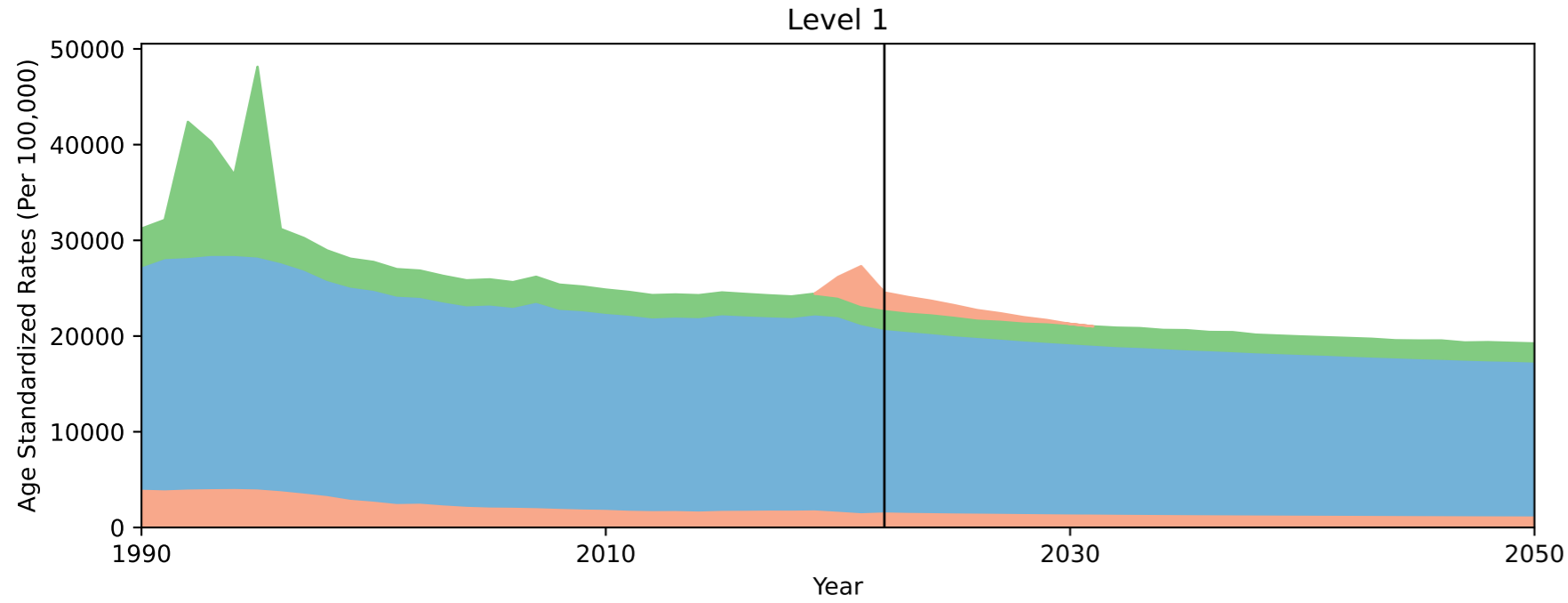
Level 2



# Bosnia And Herzegovina

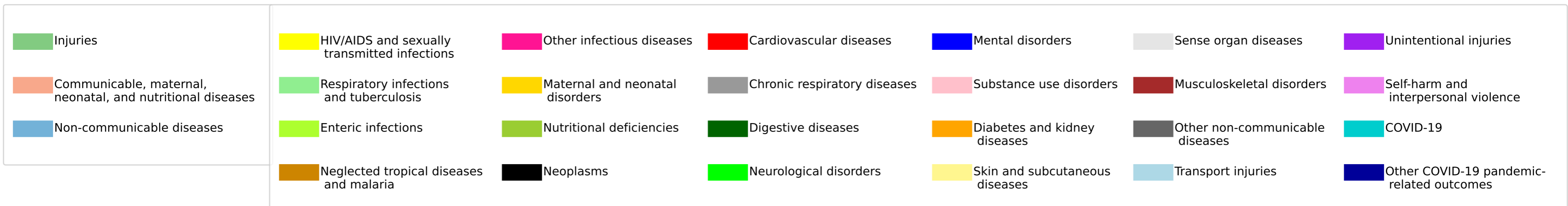
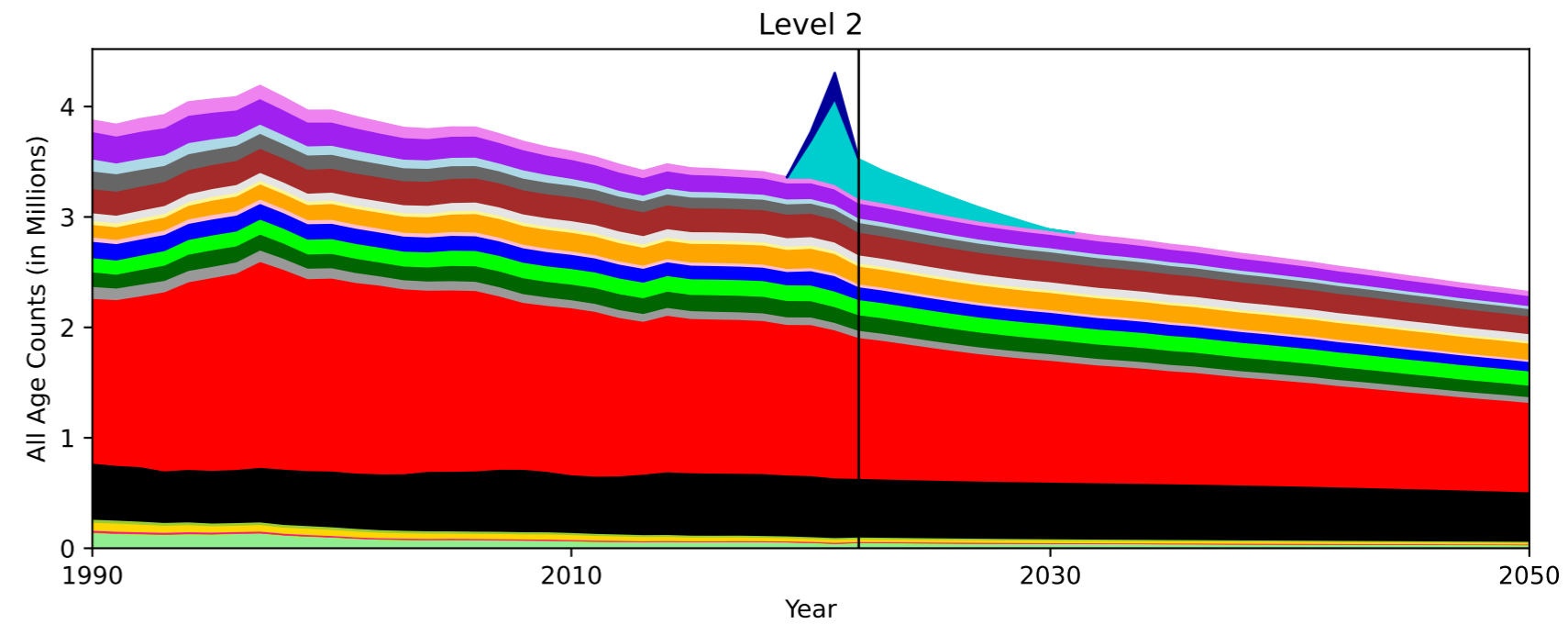
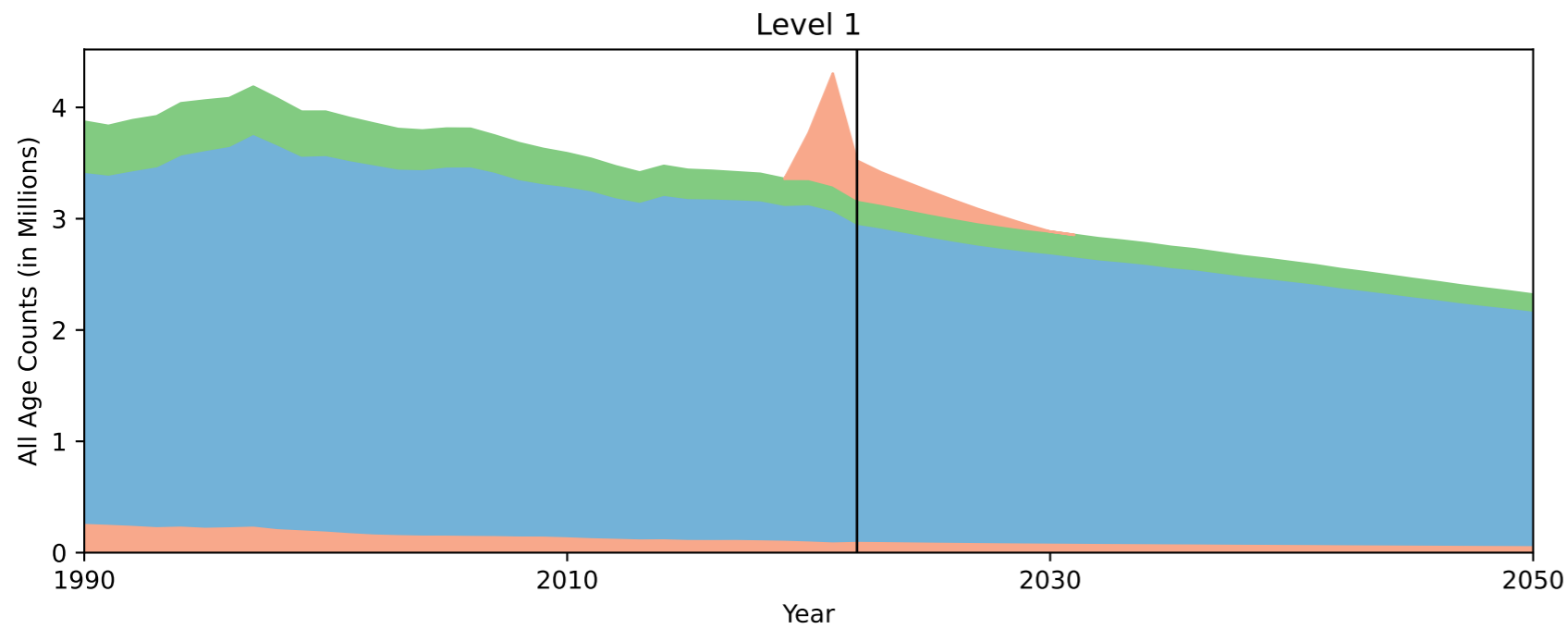
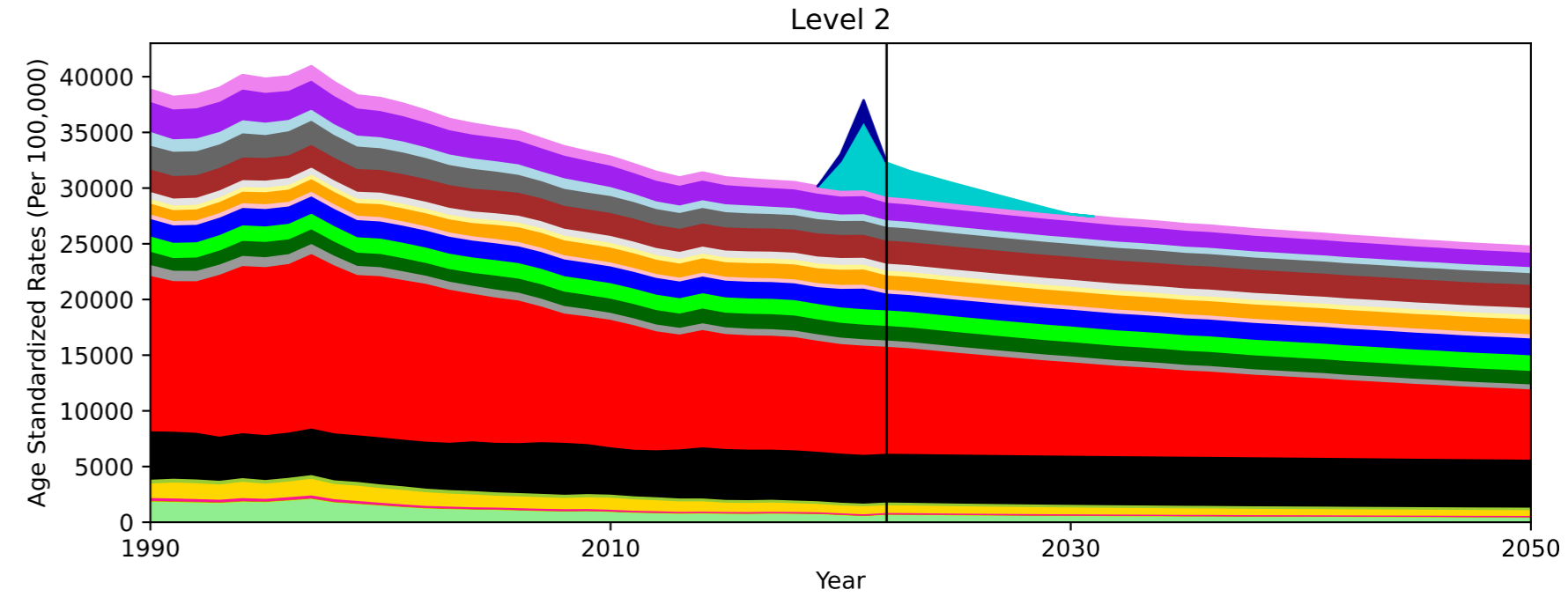
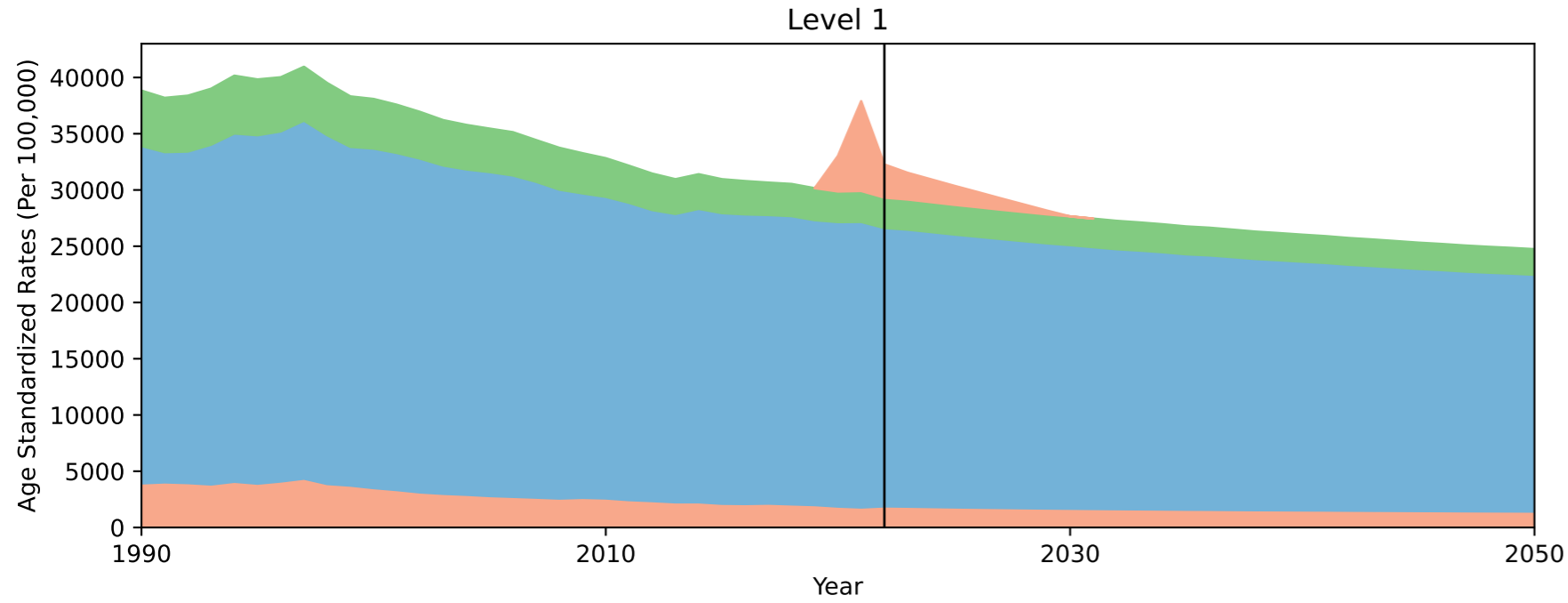
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

255

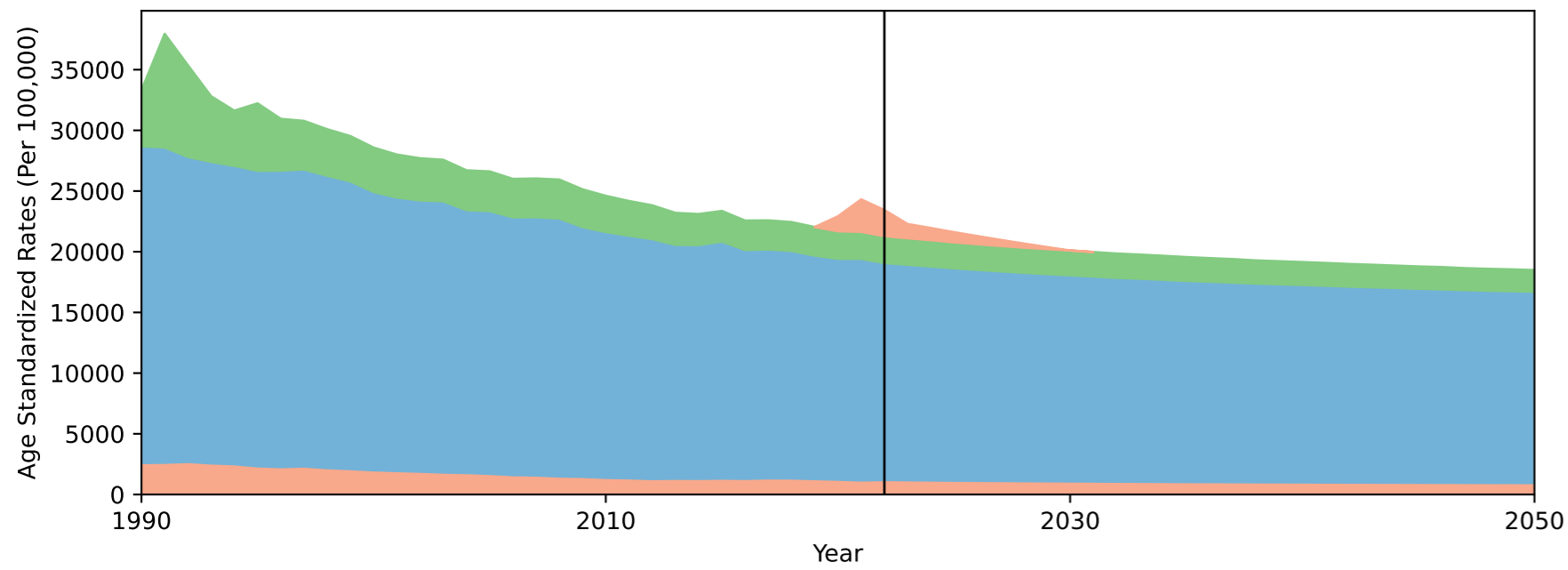




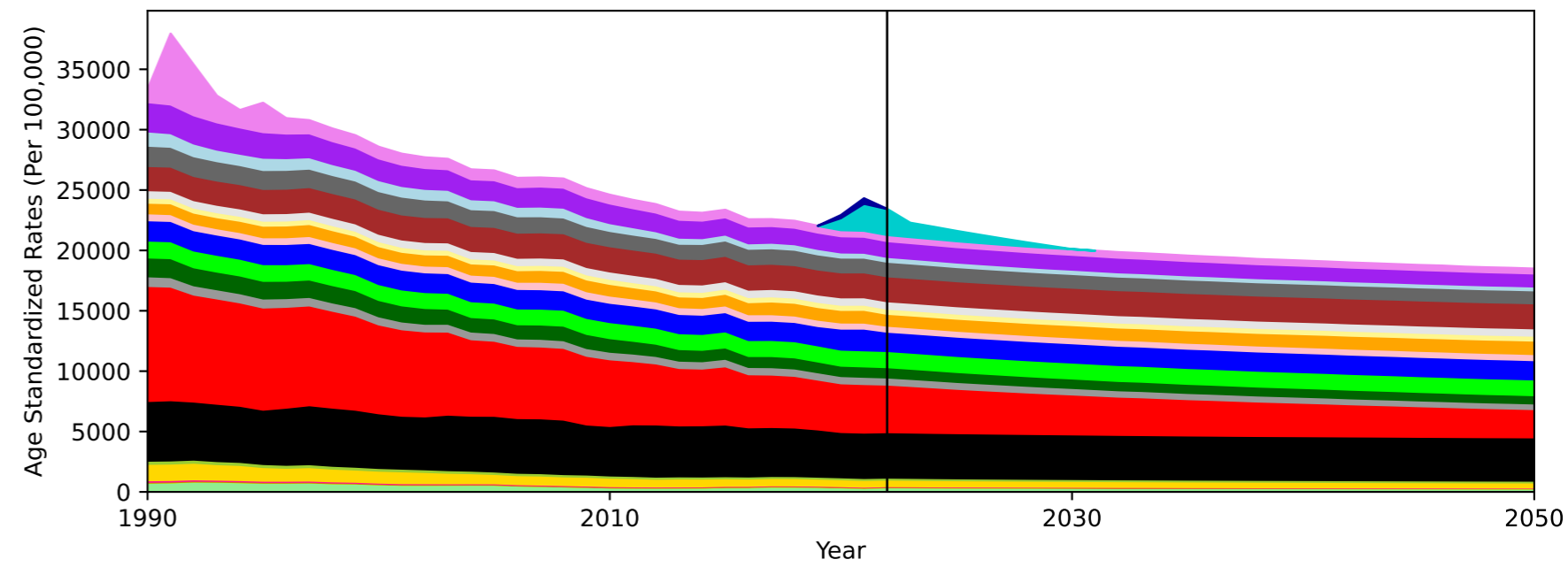
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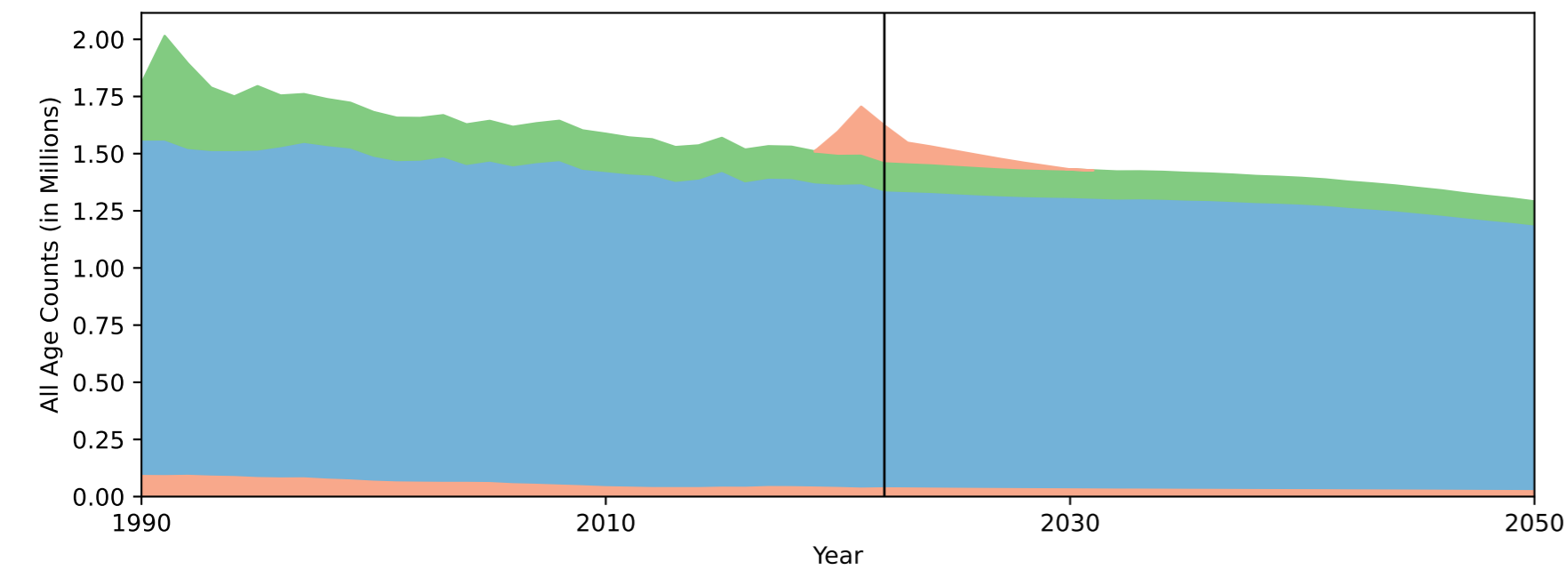
Level 1



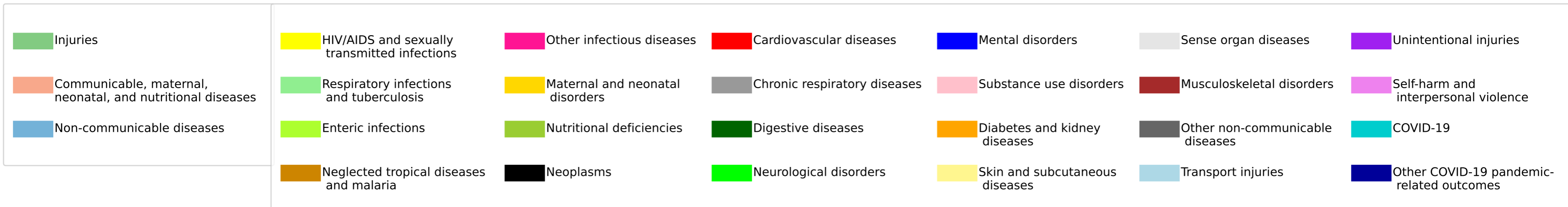
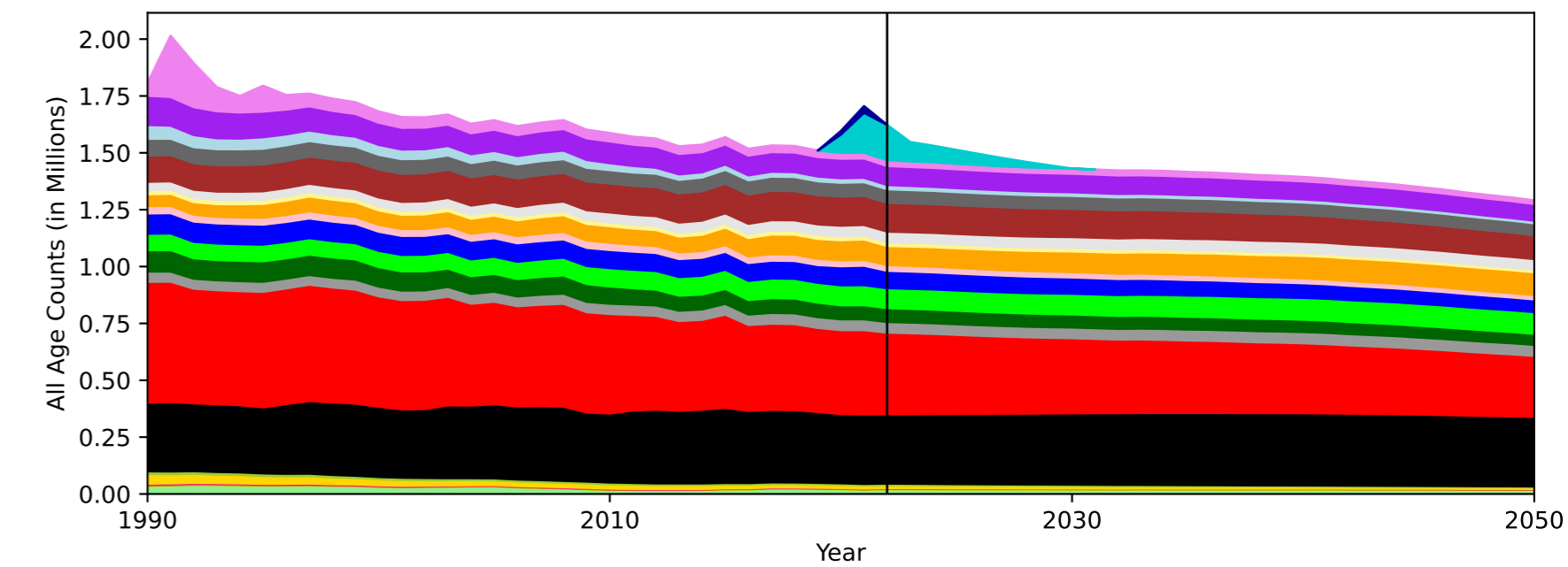
Level 2



Level 1

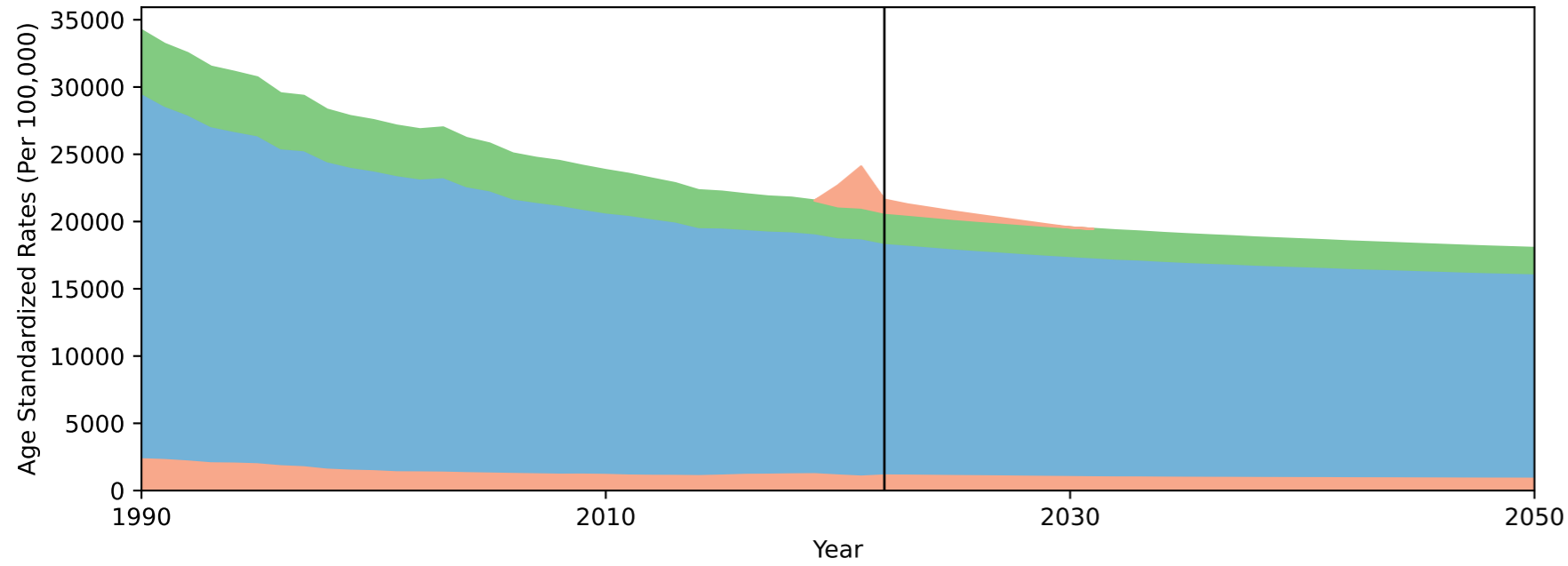


Level 2

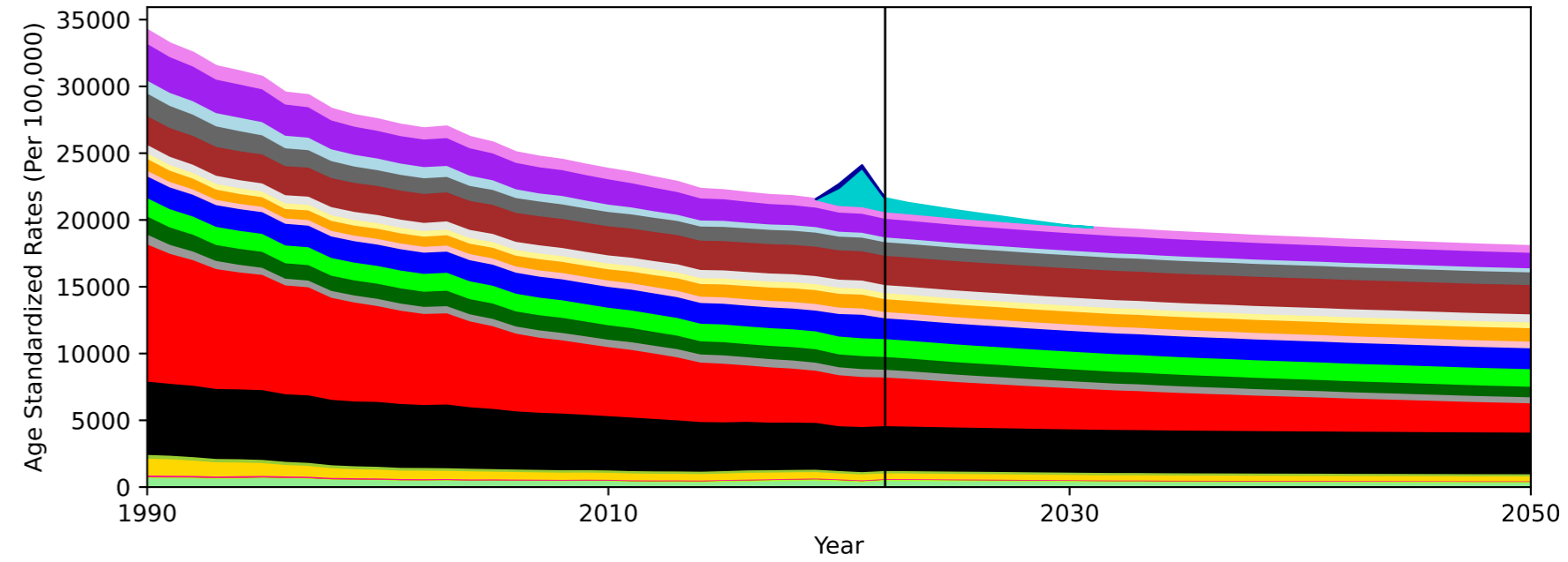


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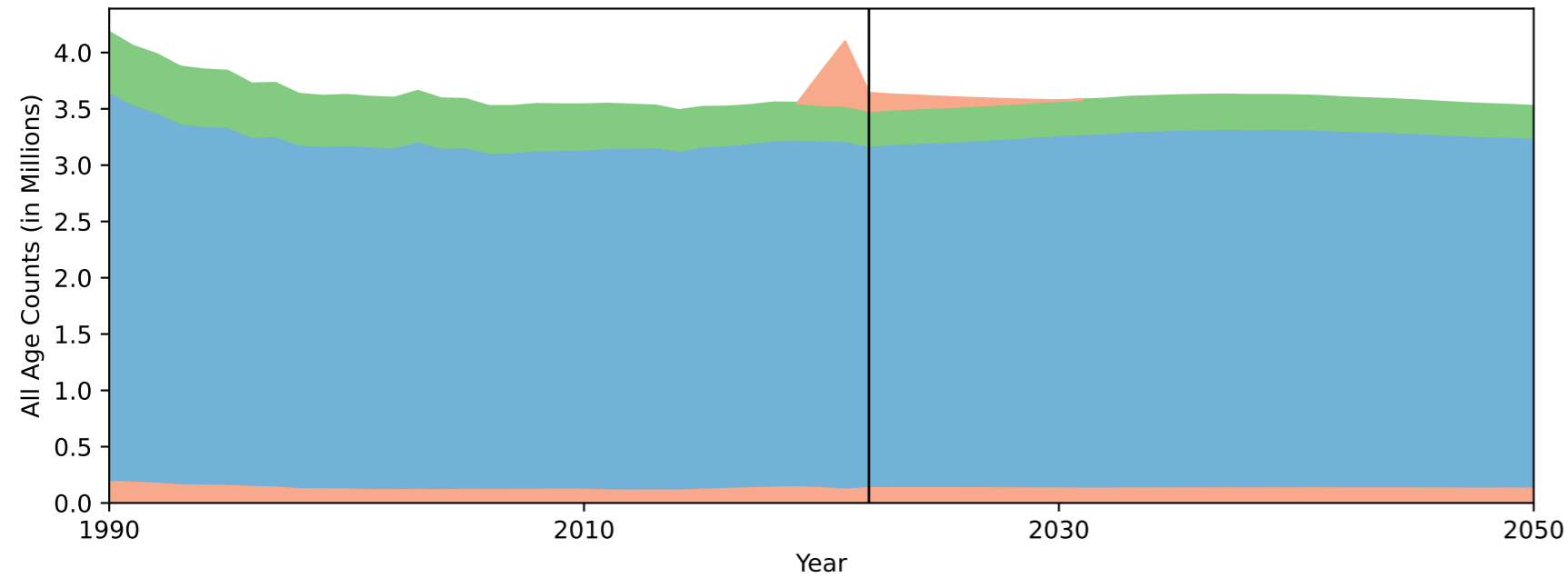
Level 1



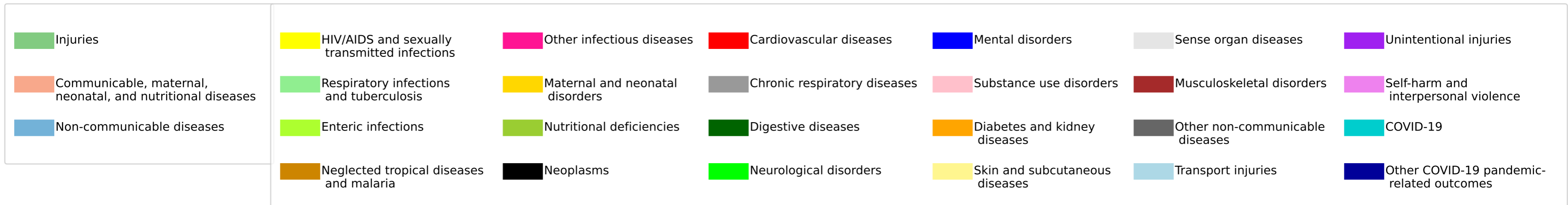
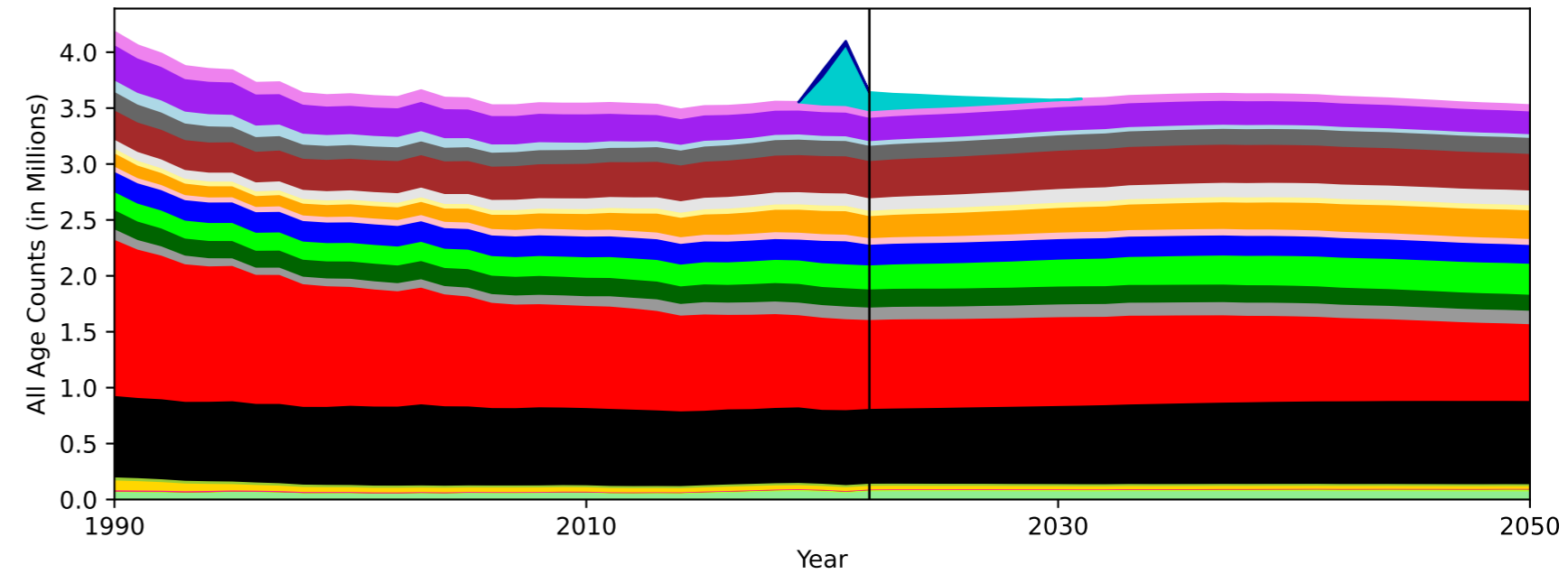
Level 2



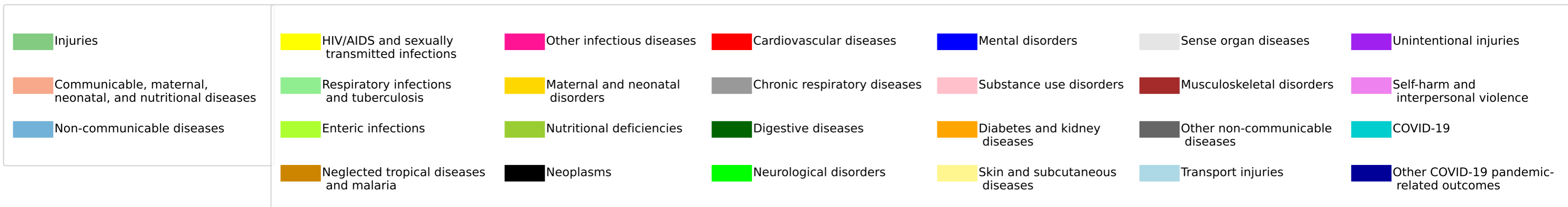
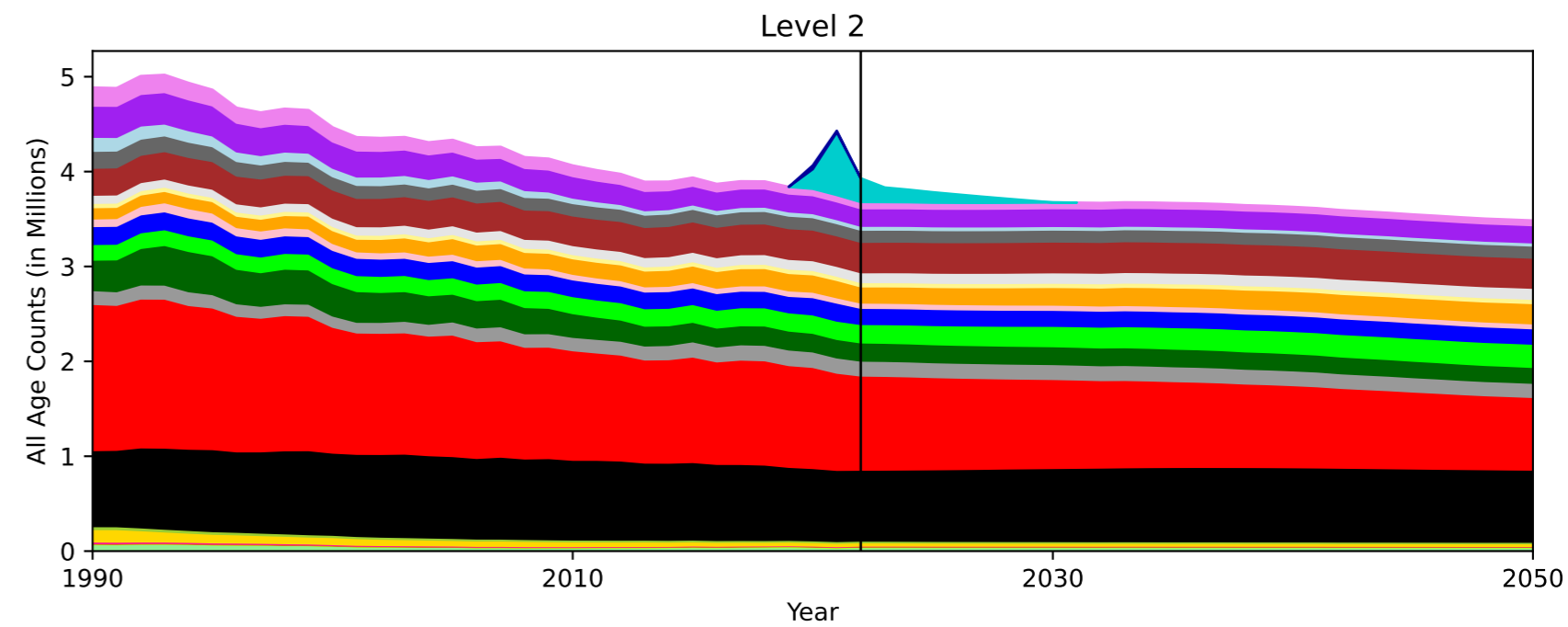
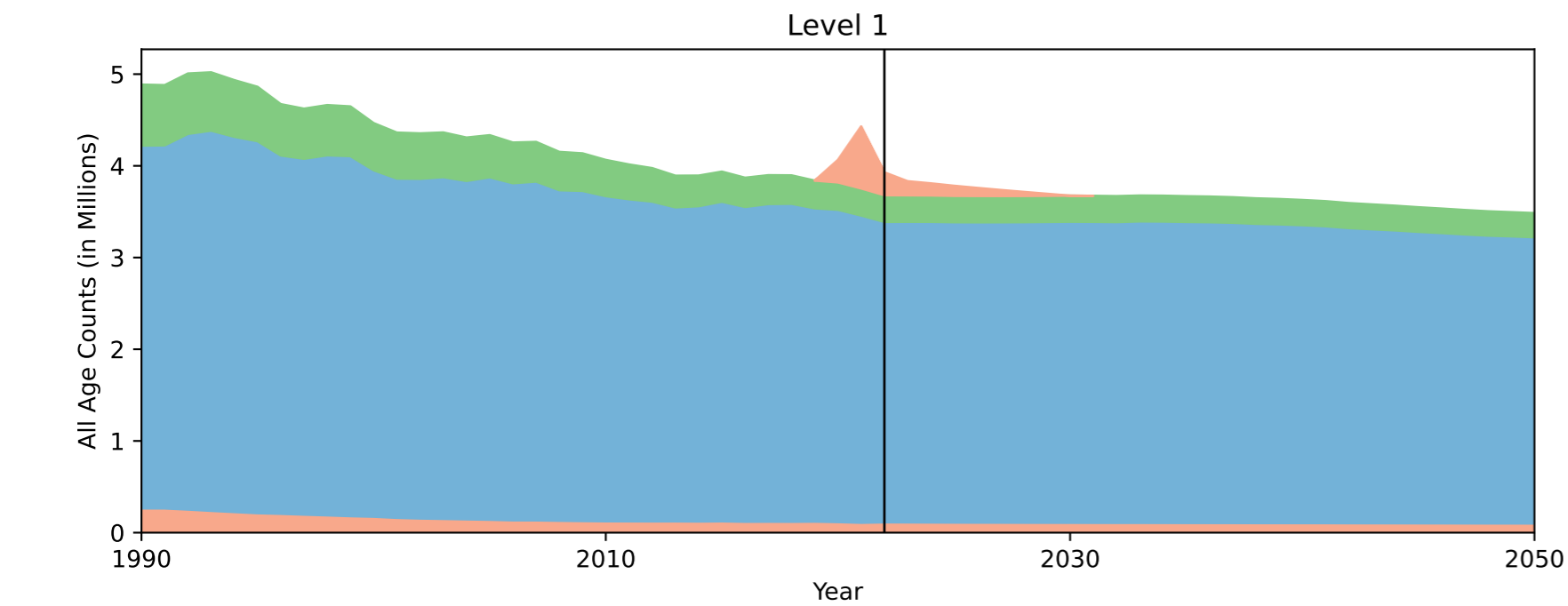
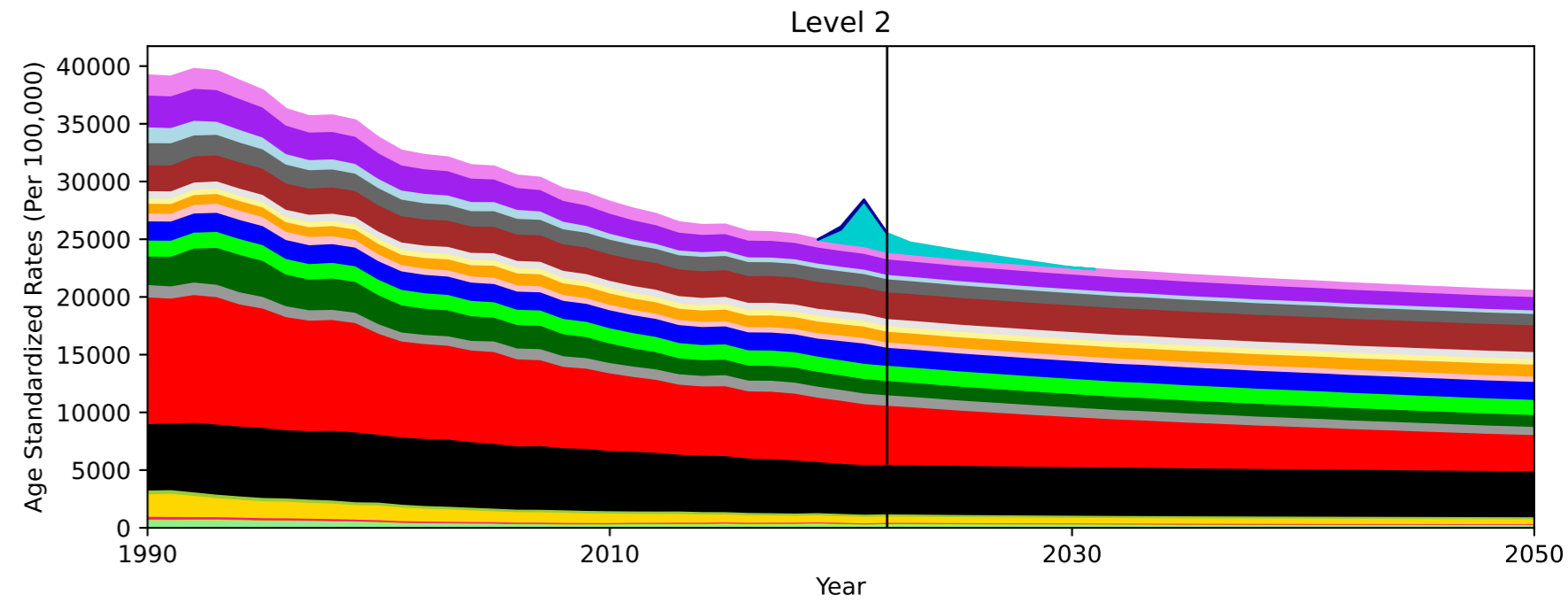
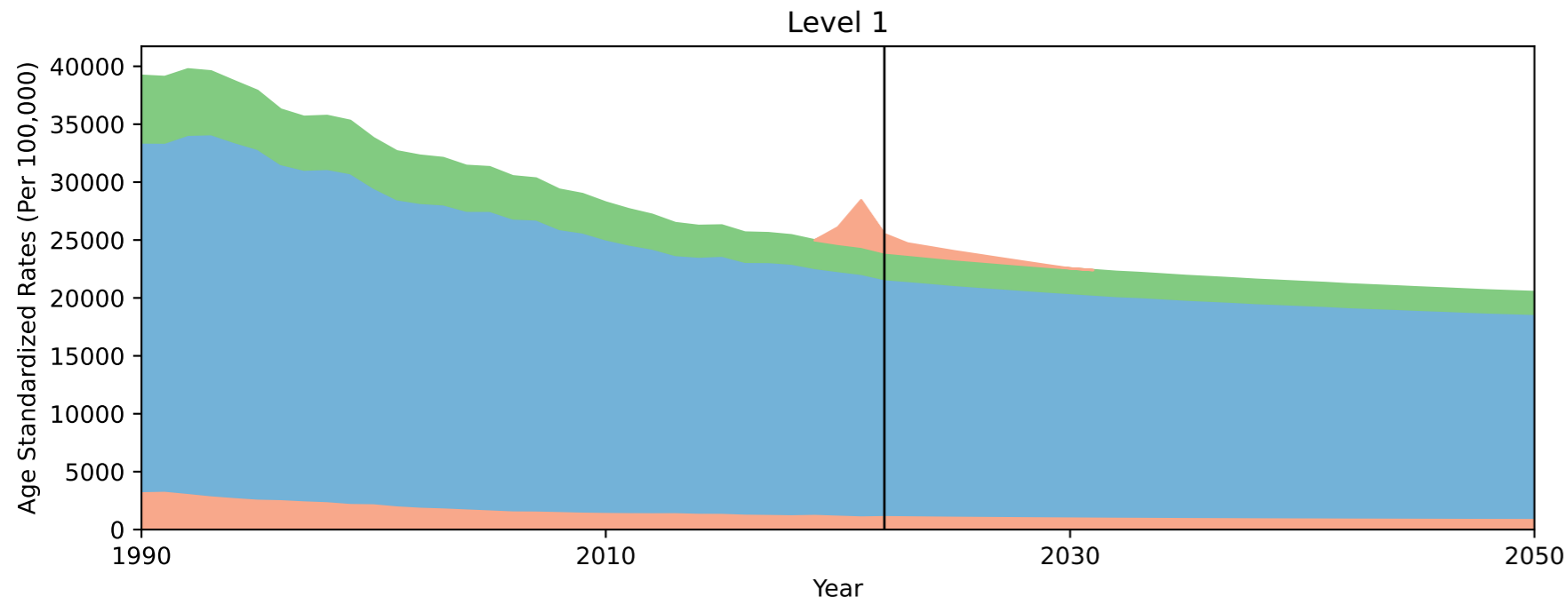
Level 1



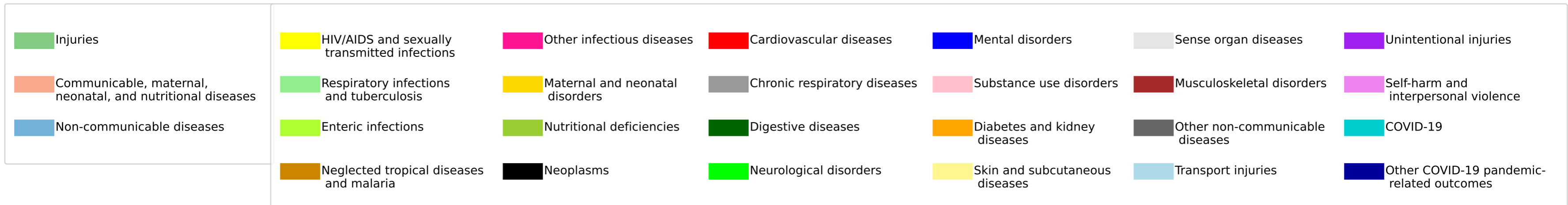
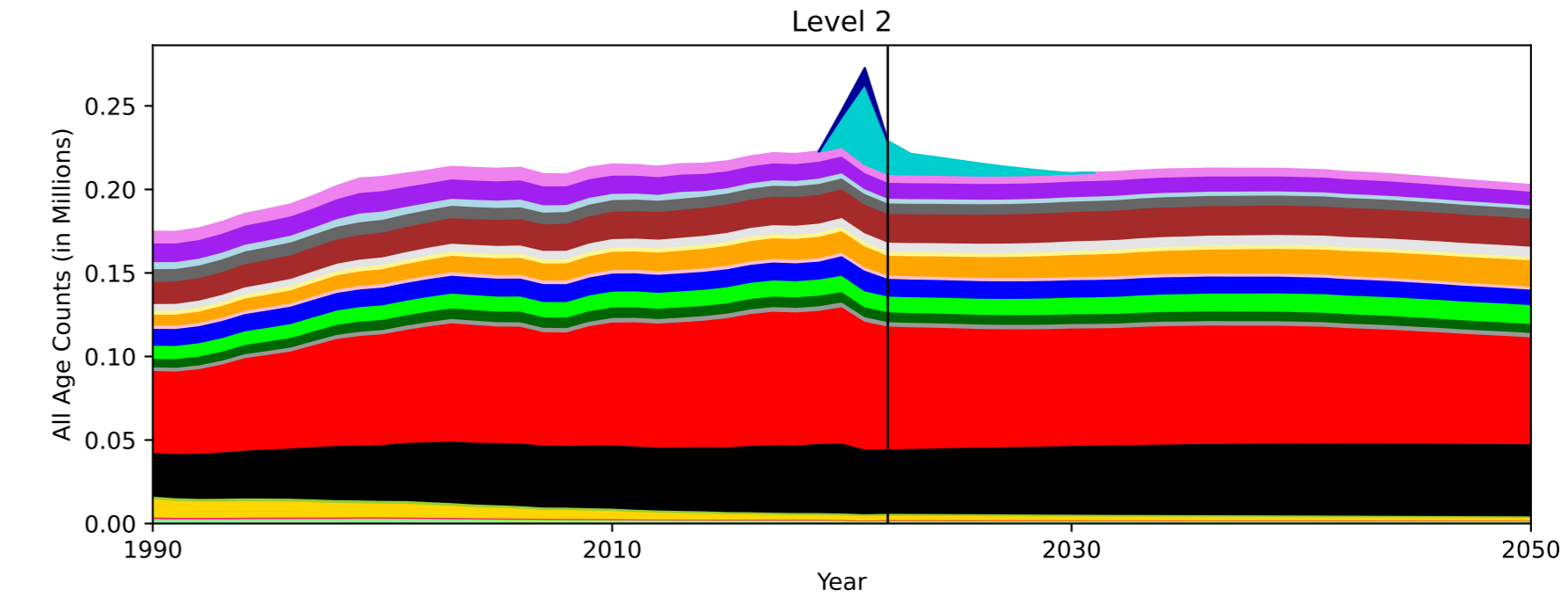
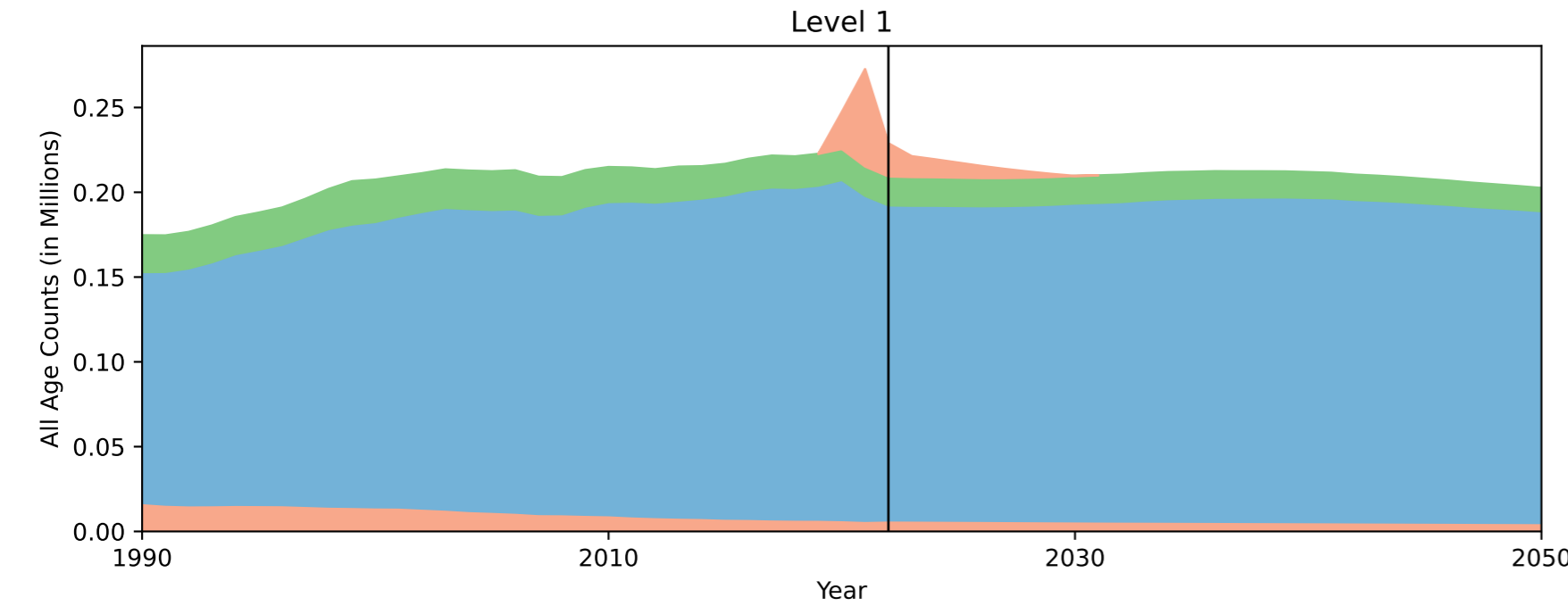
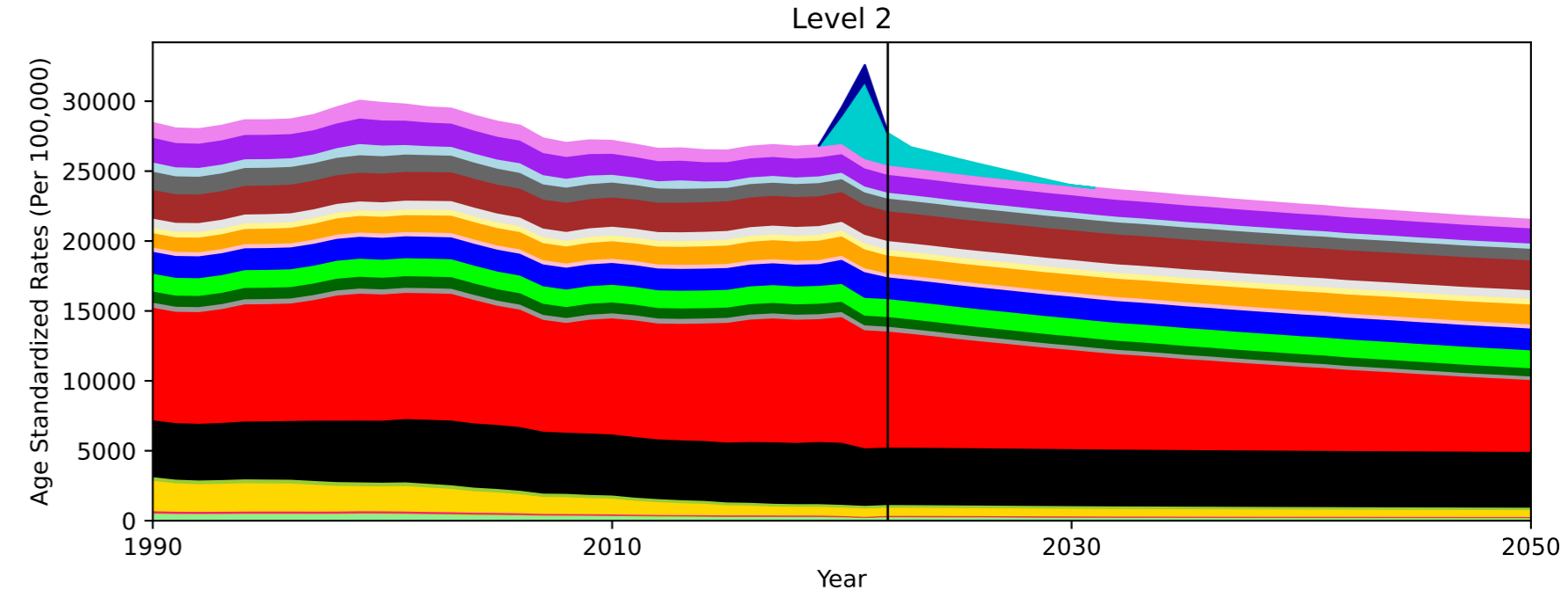
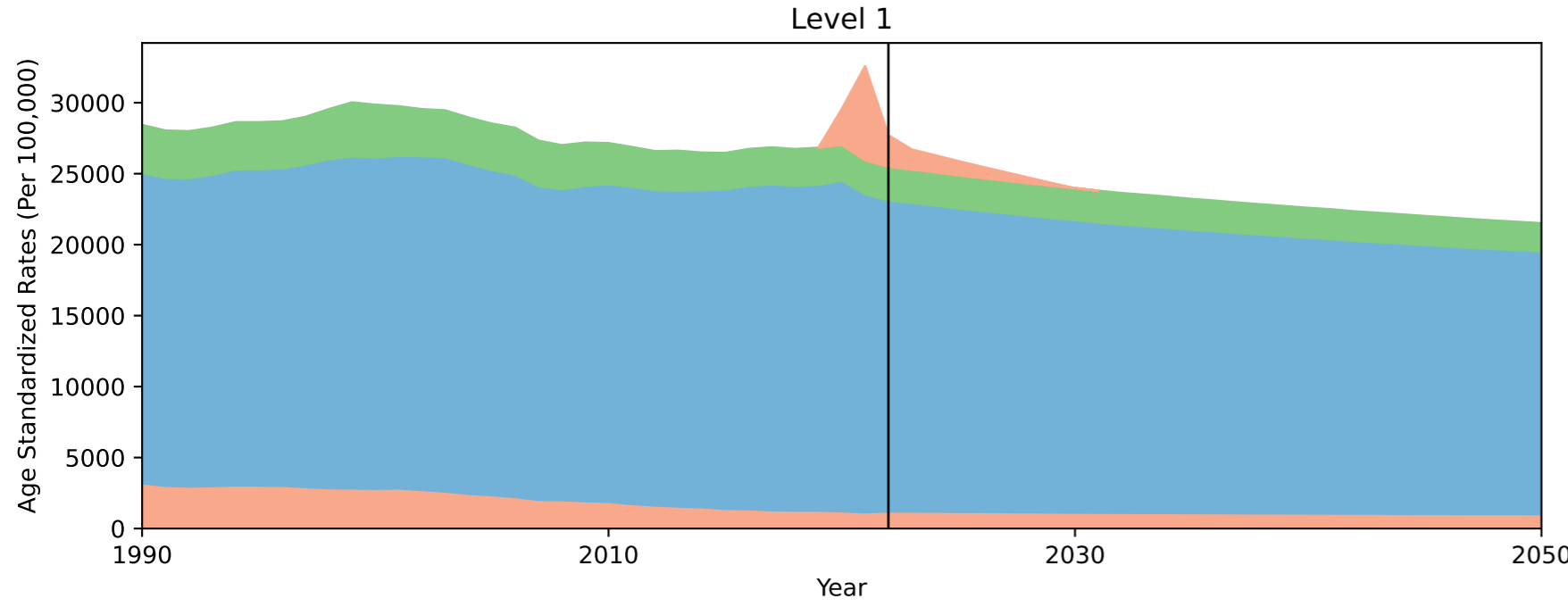
Level 2



# Hungary



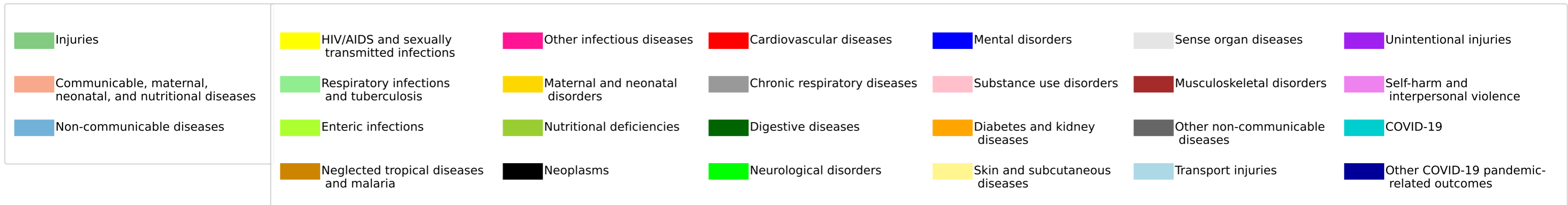
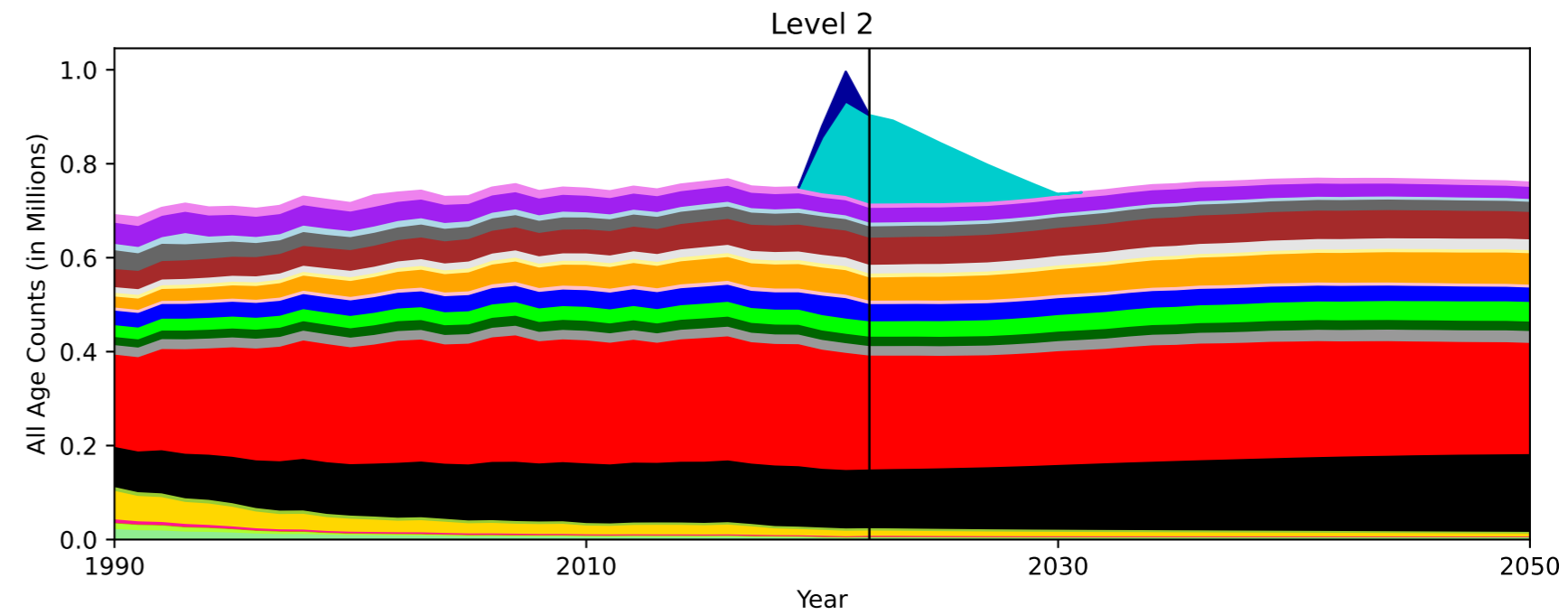
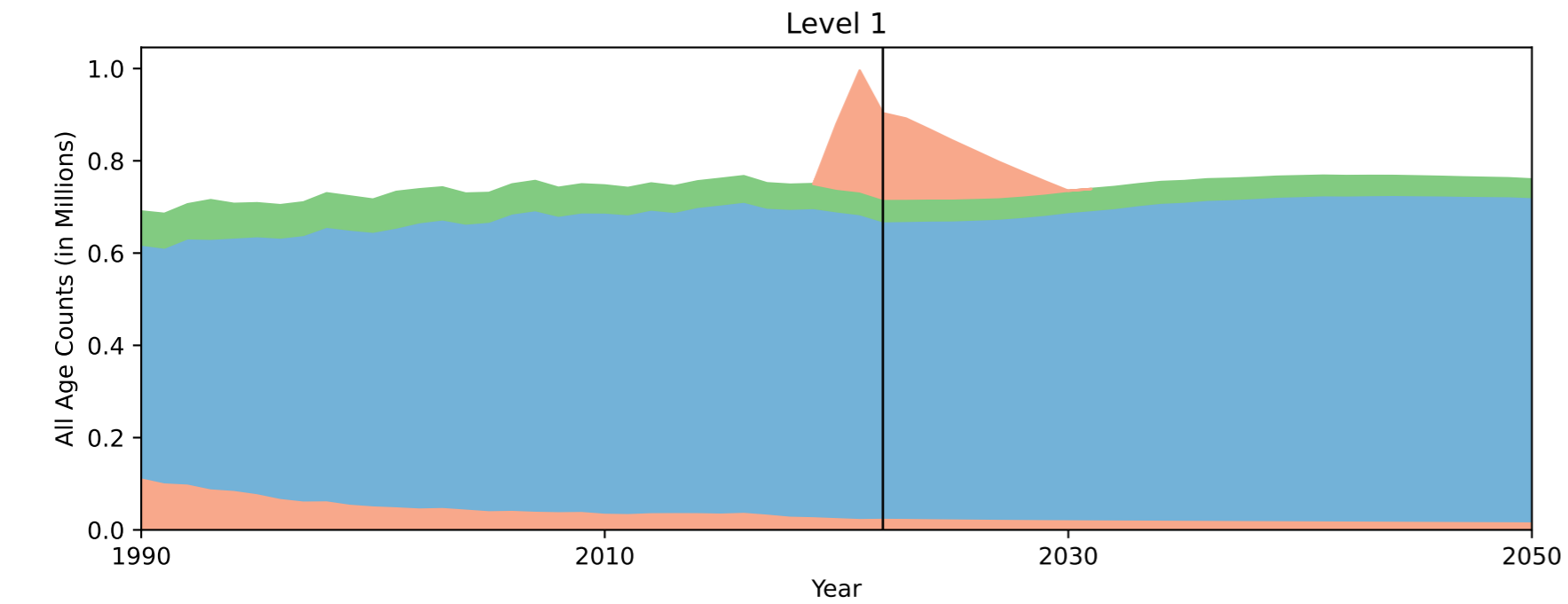
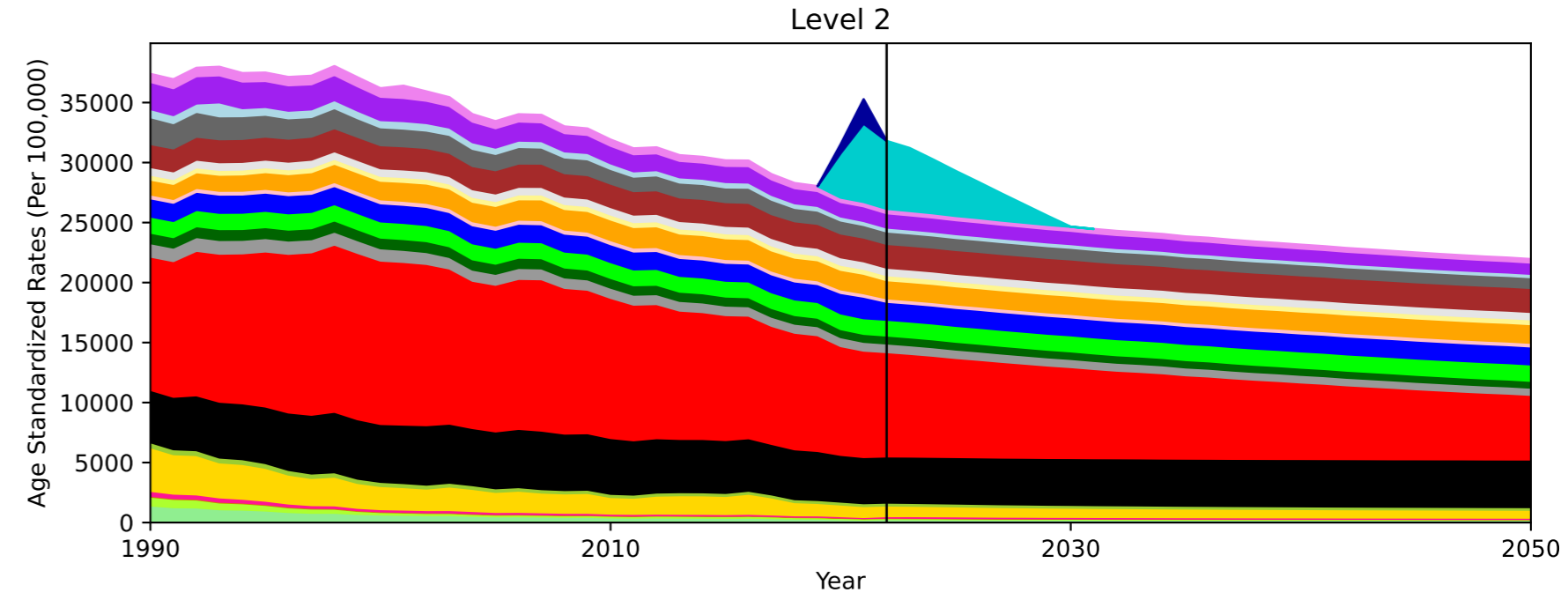
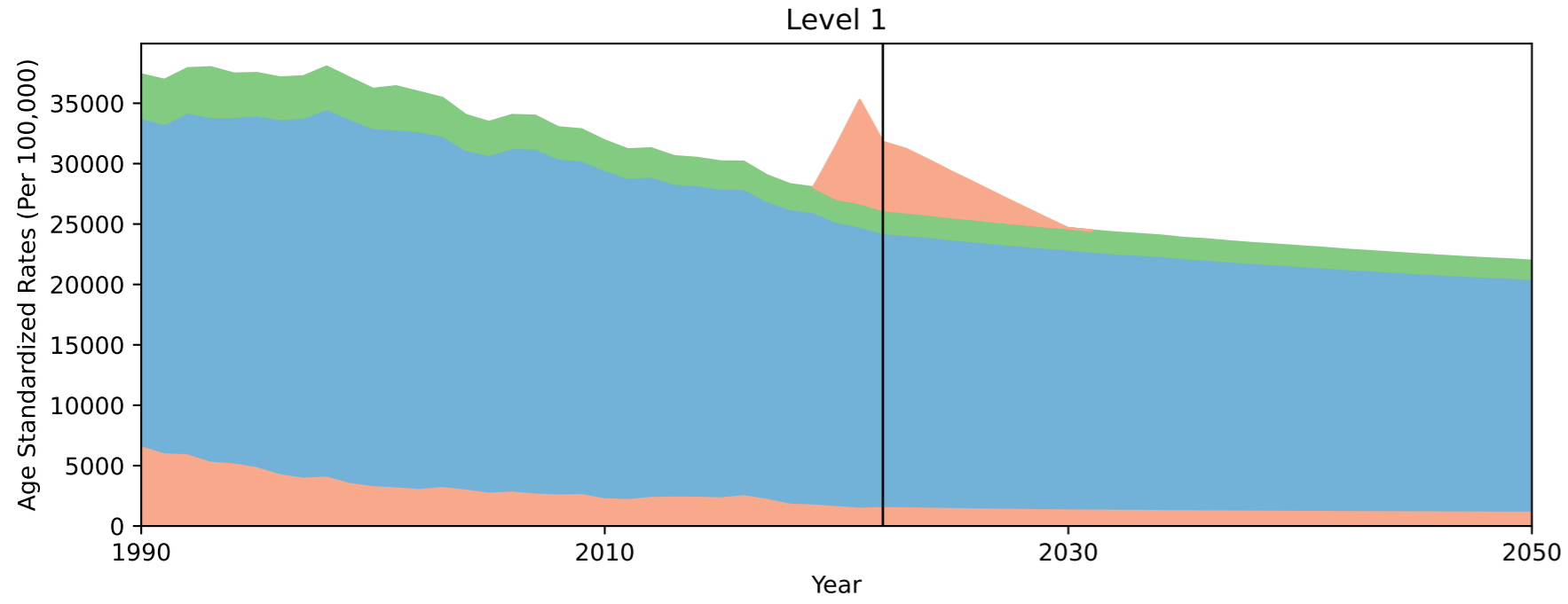
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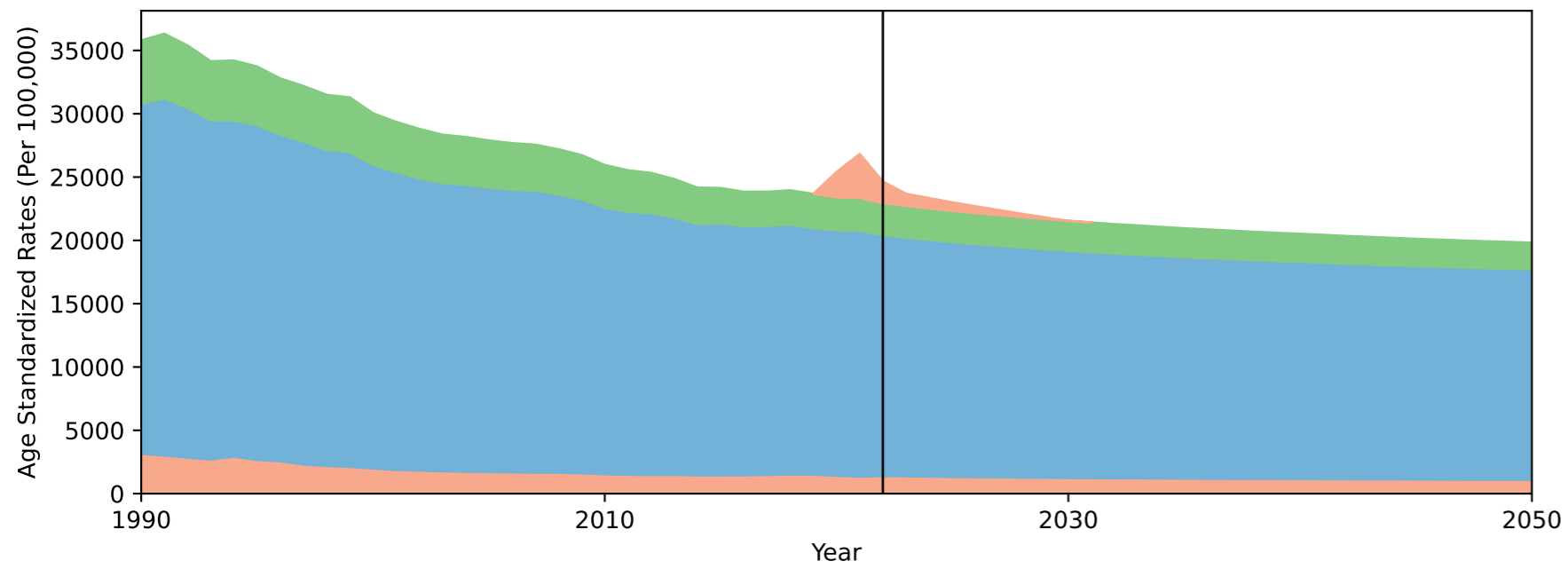
# North Macedonia

Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

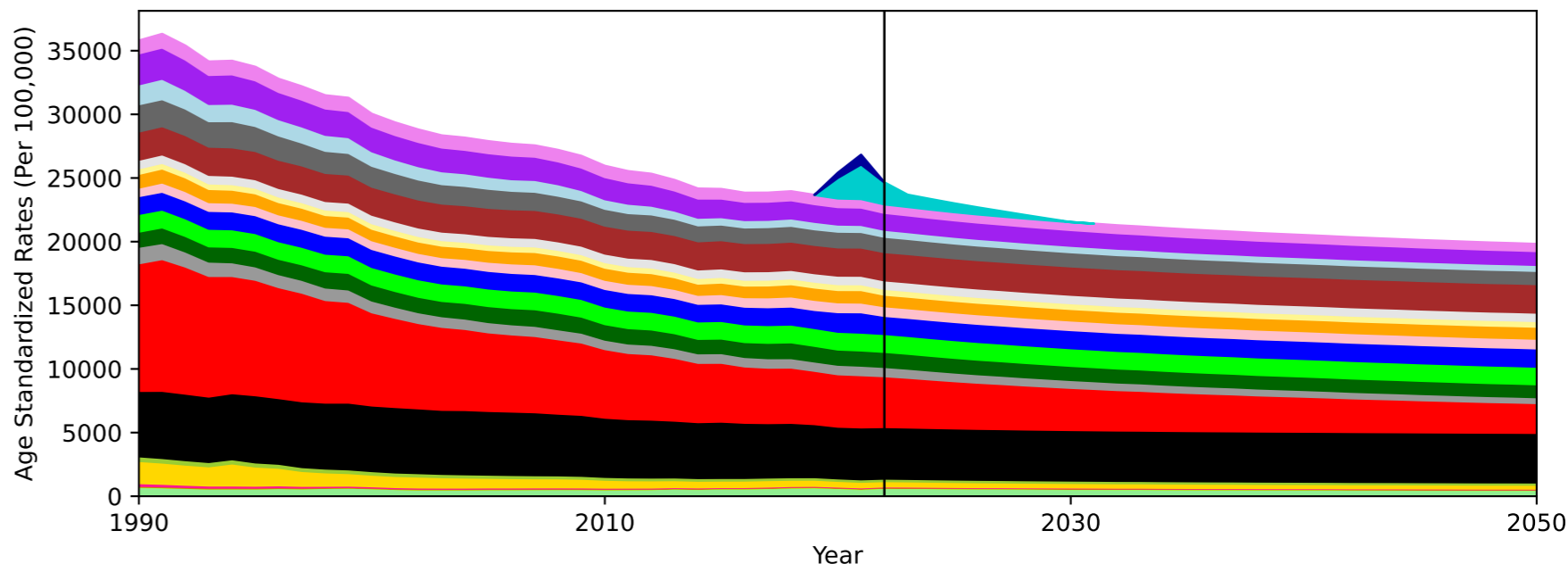
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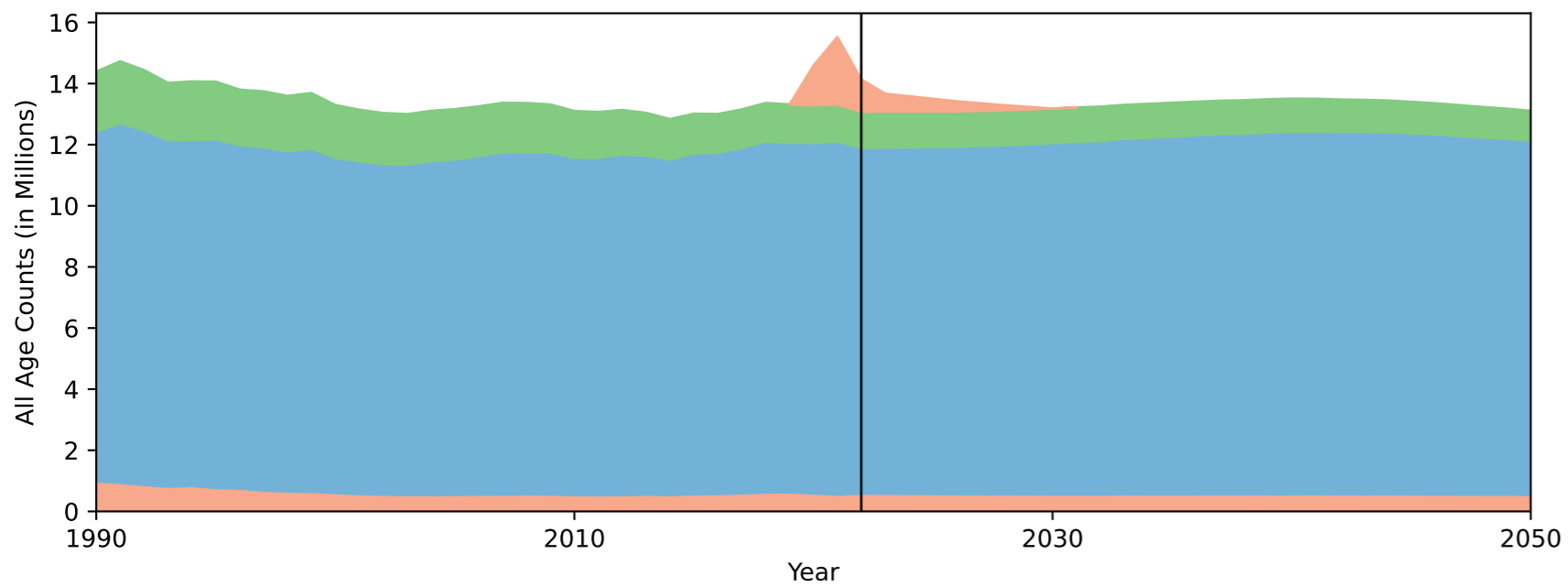
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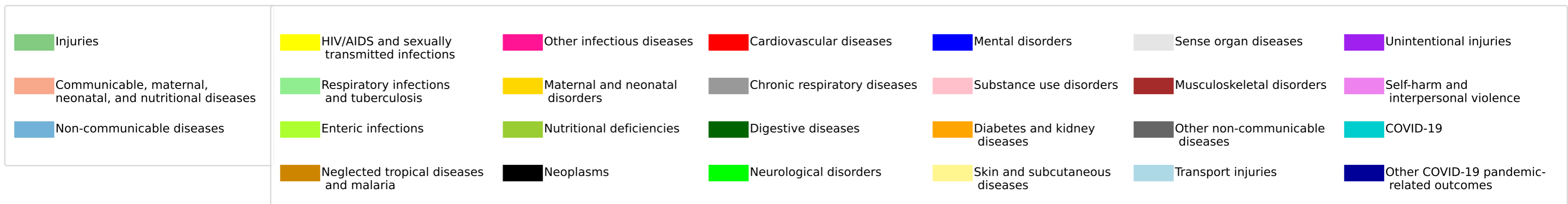
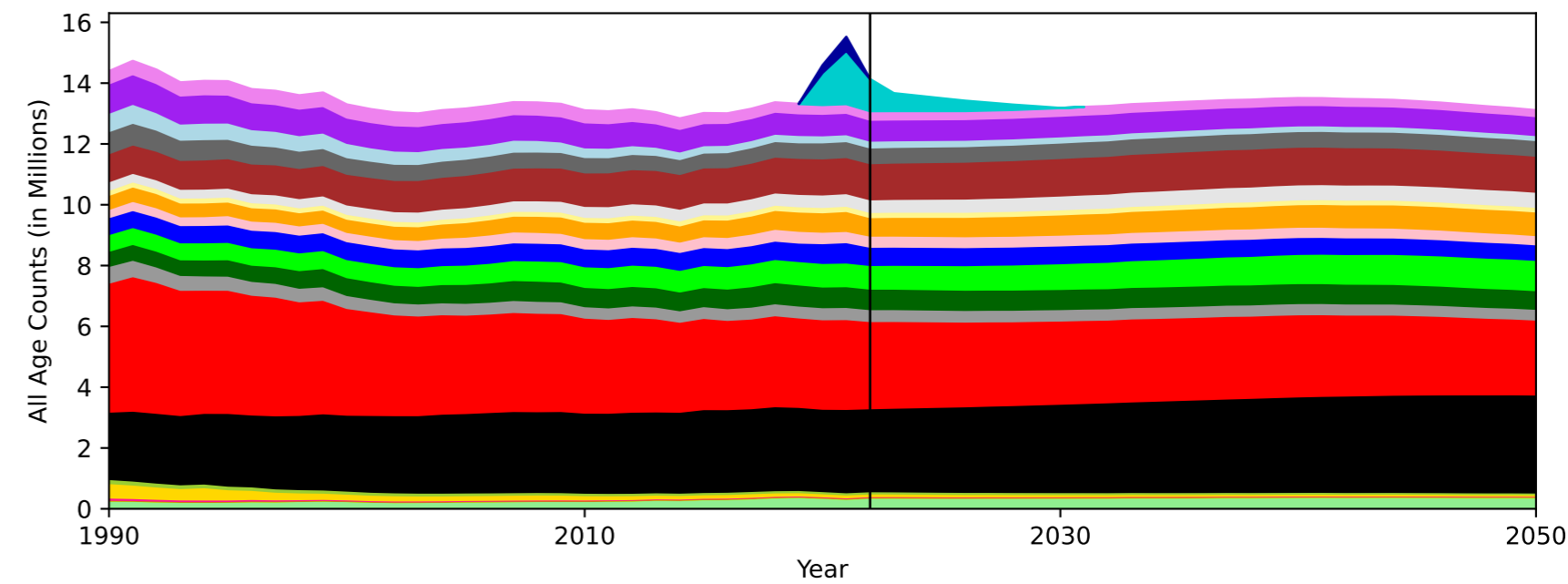
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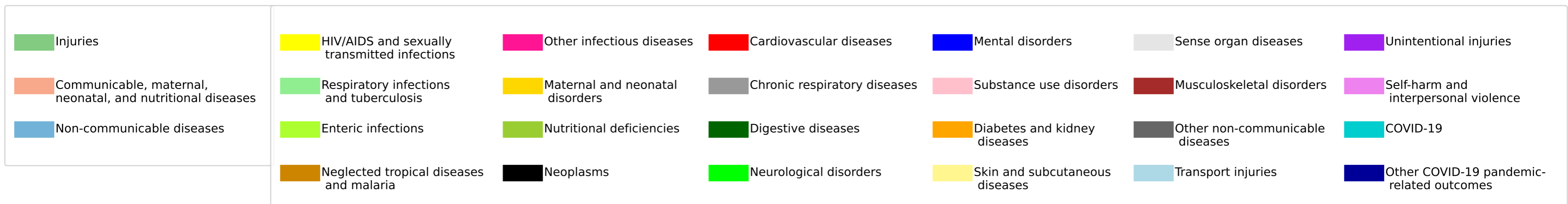
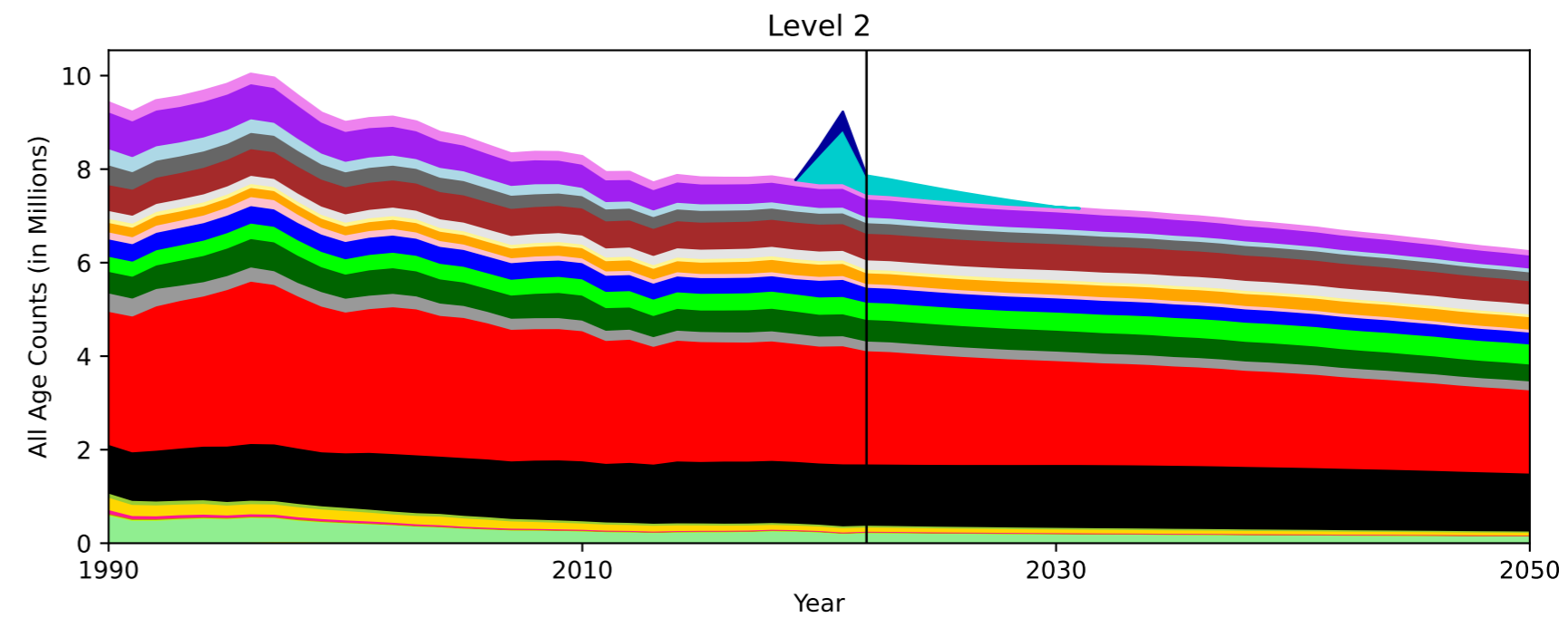
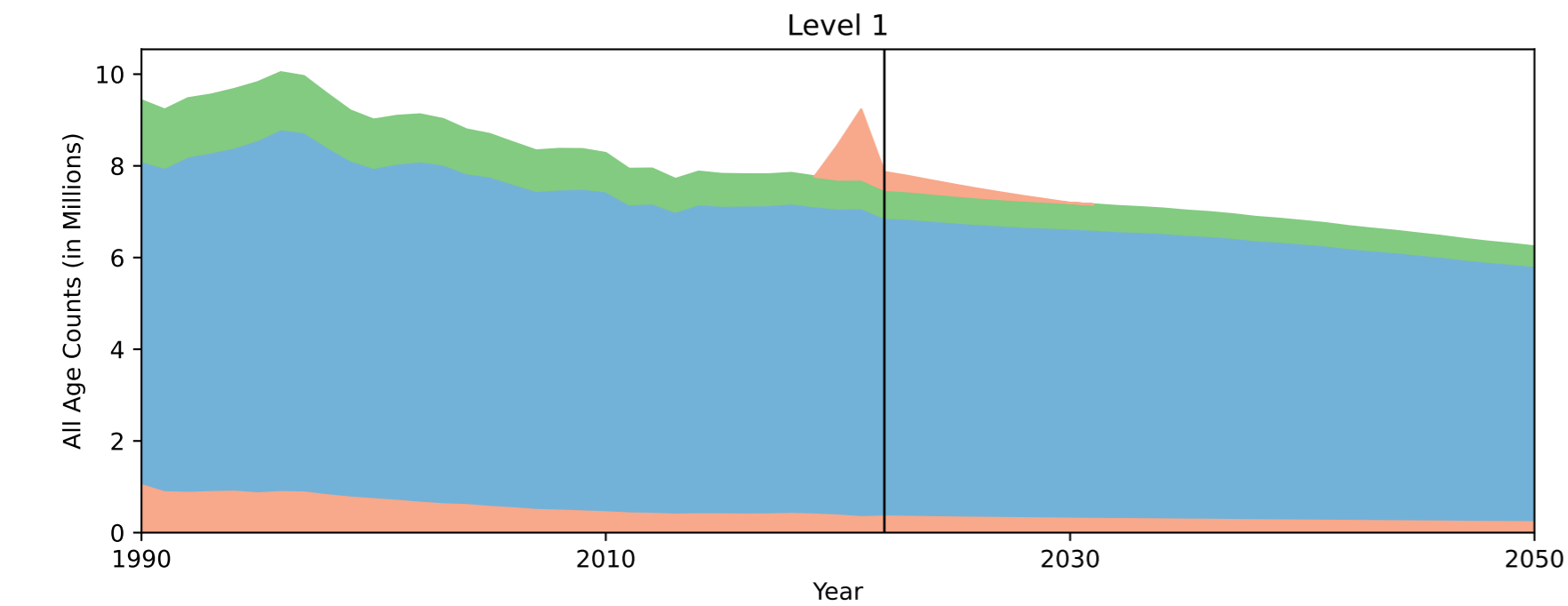
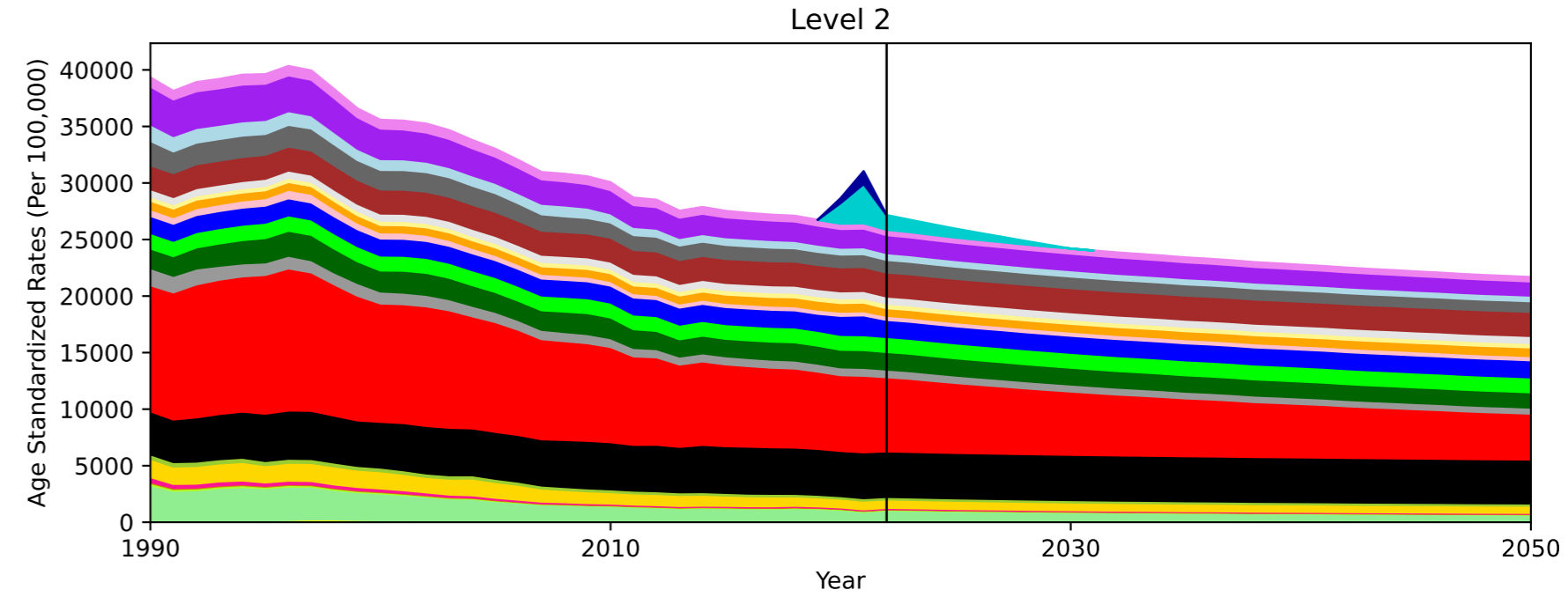
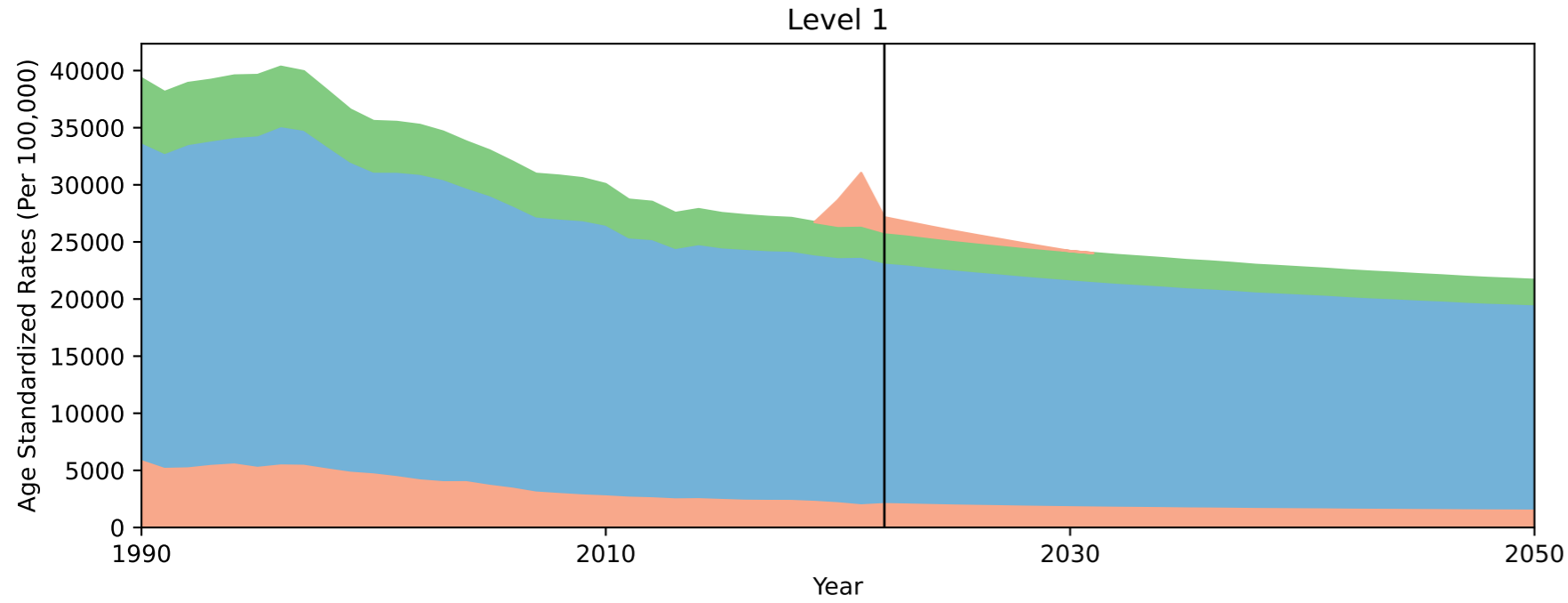
Level 1



Level 2

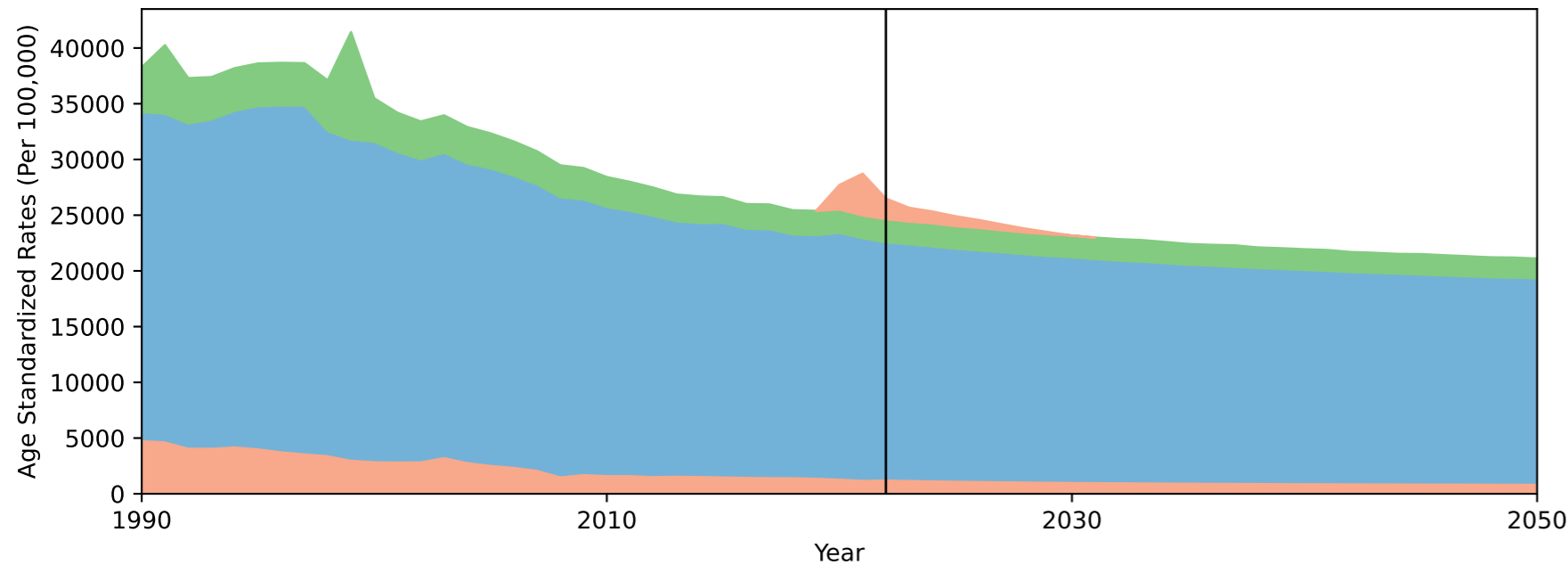


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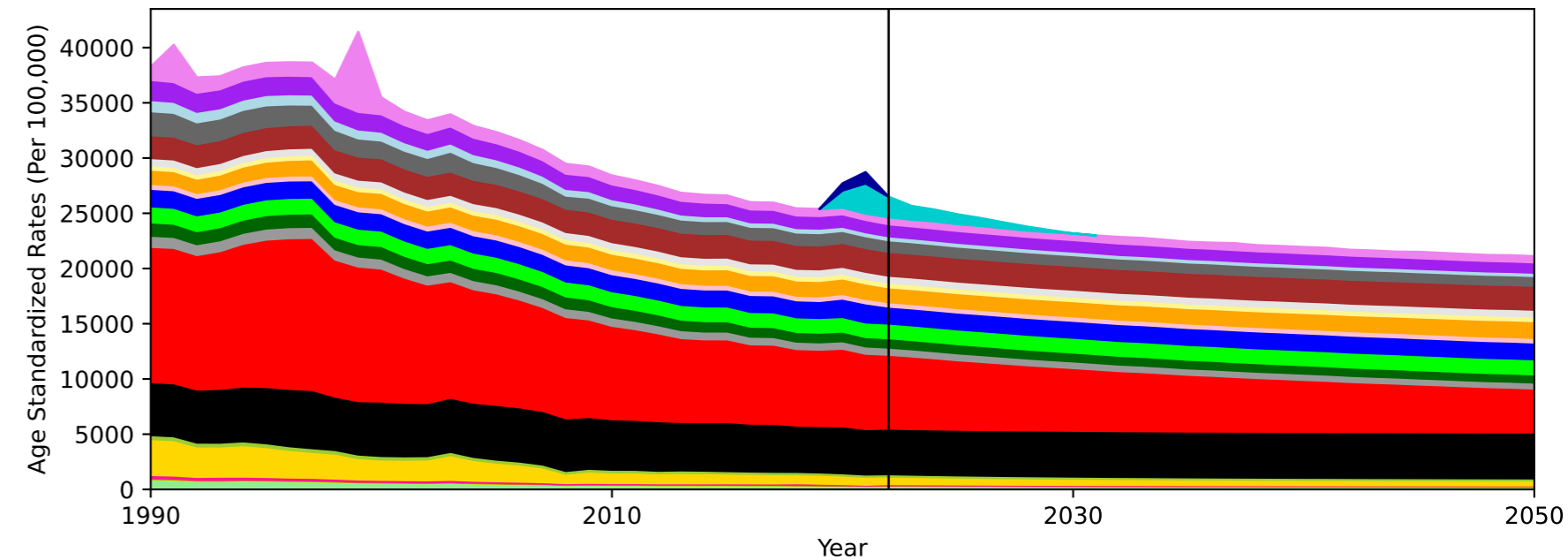




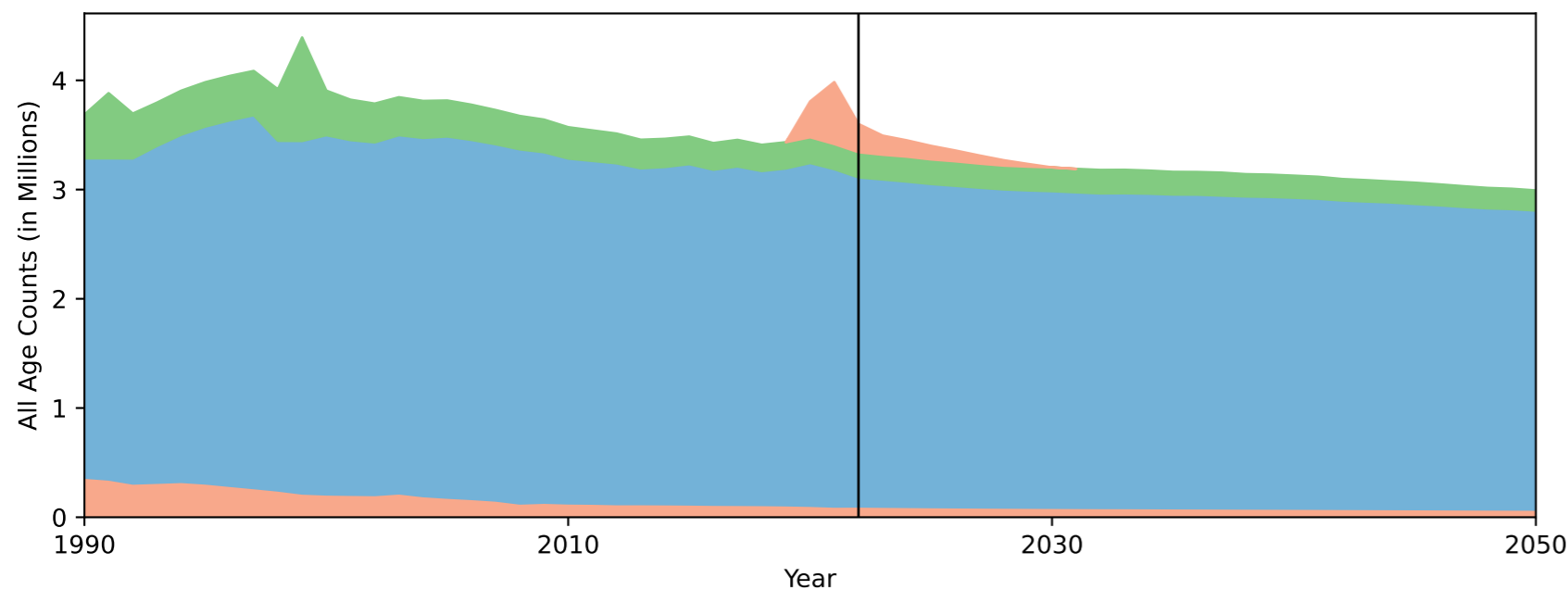
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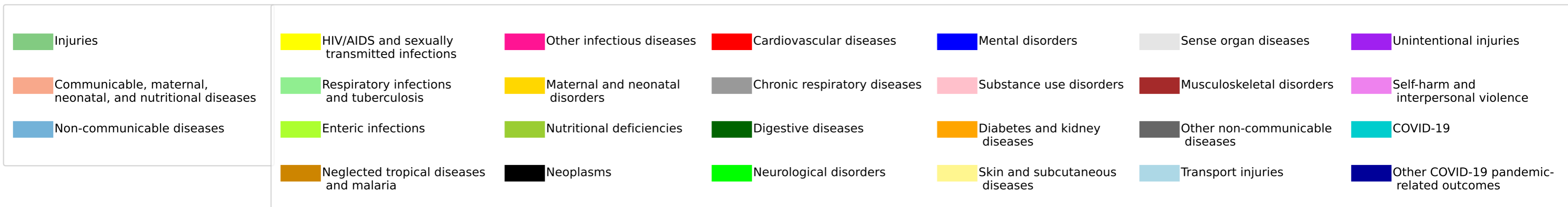
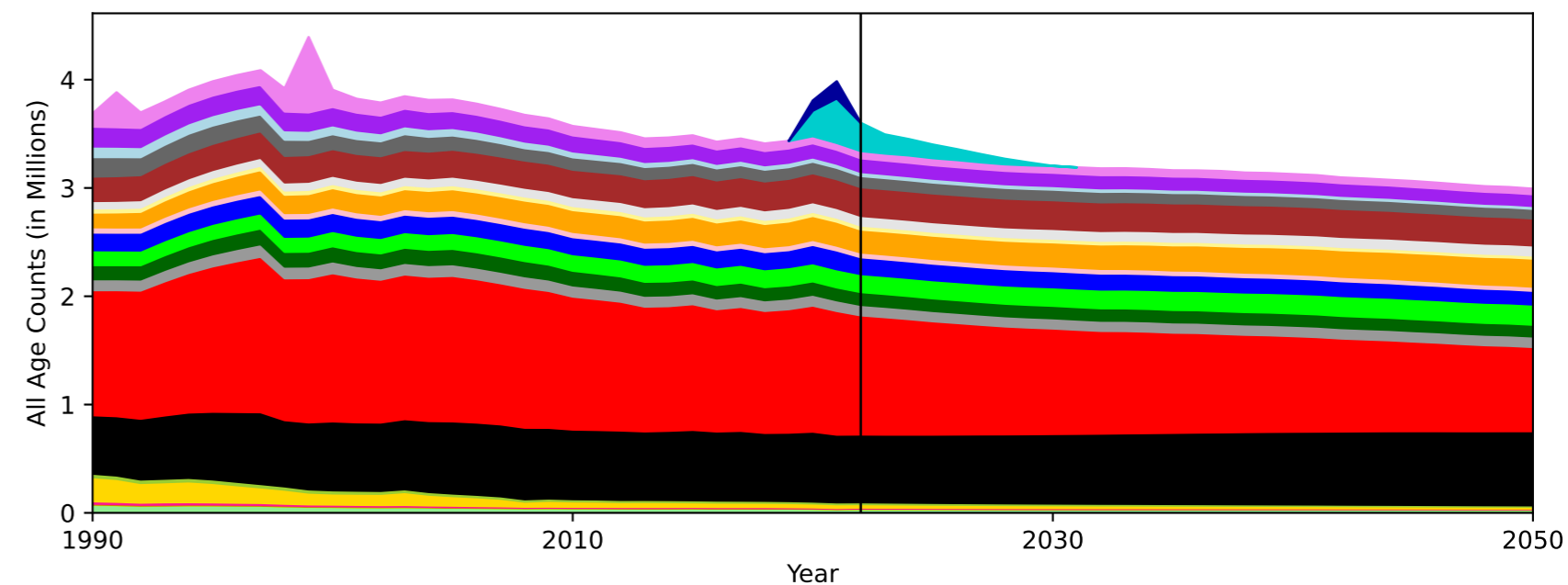
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Level 1

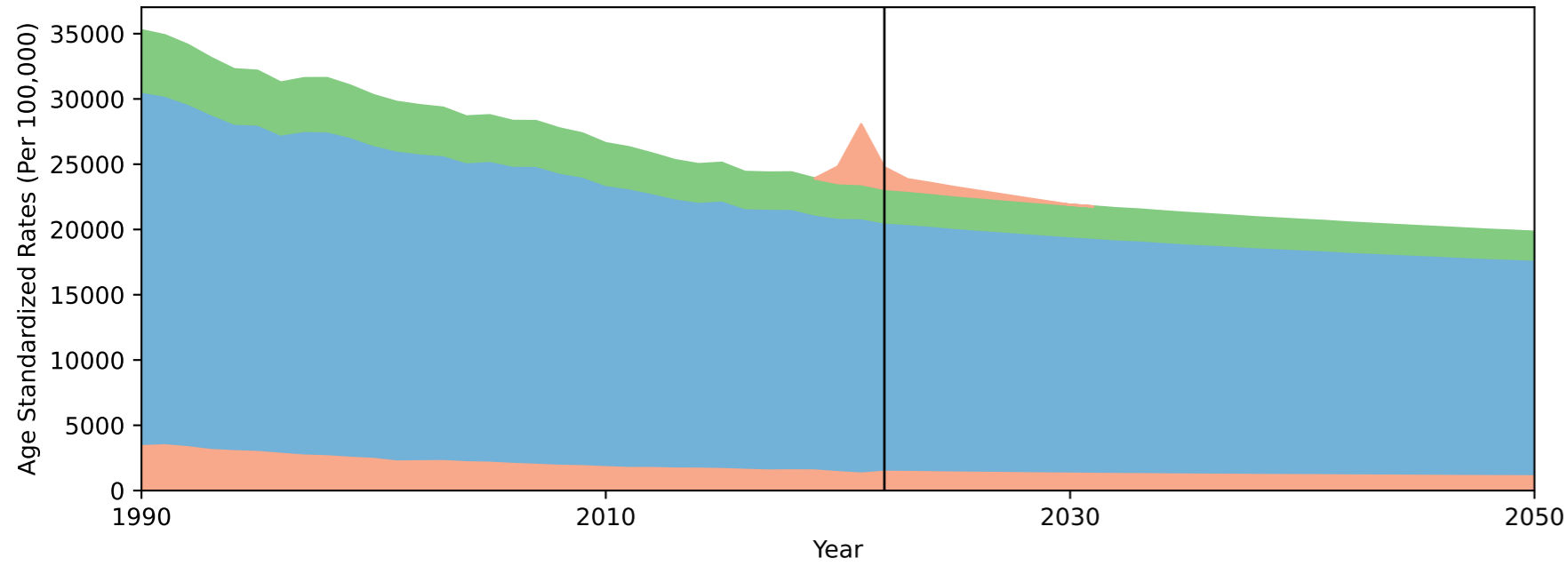


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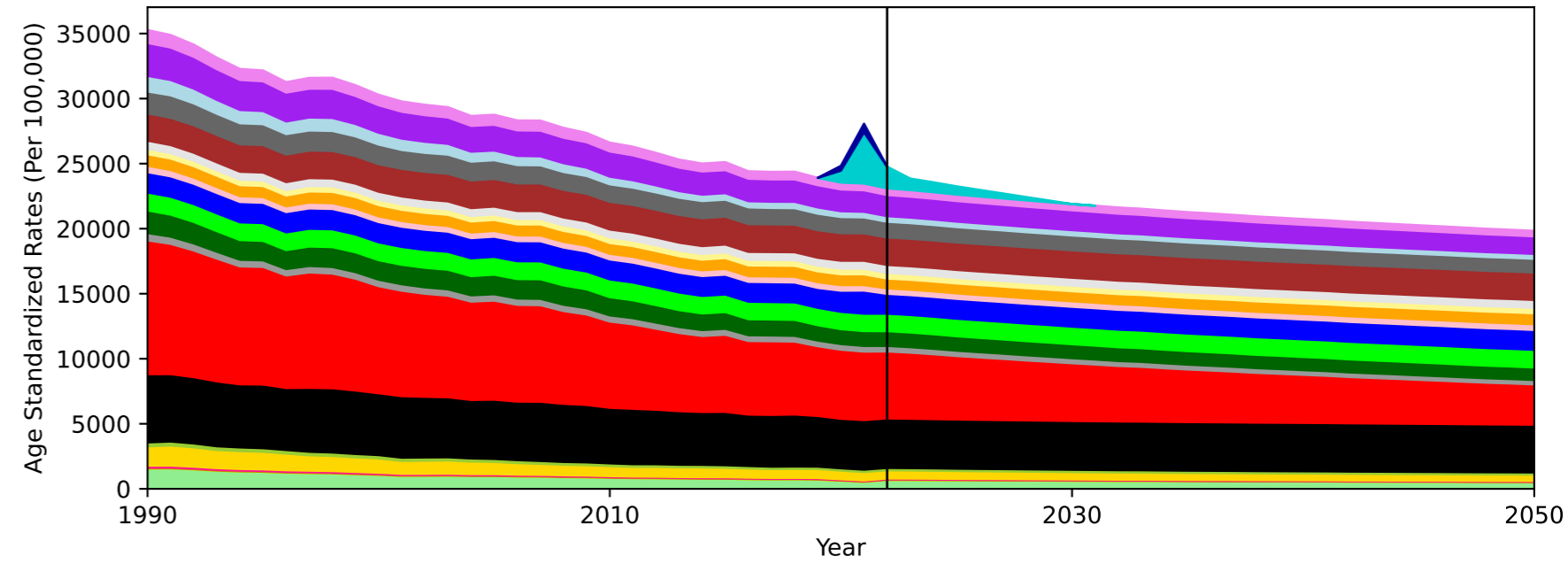


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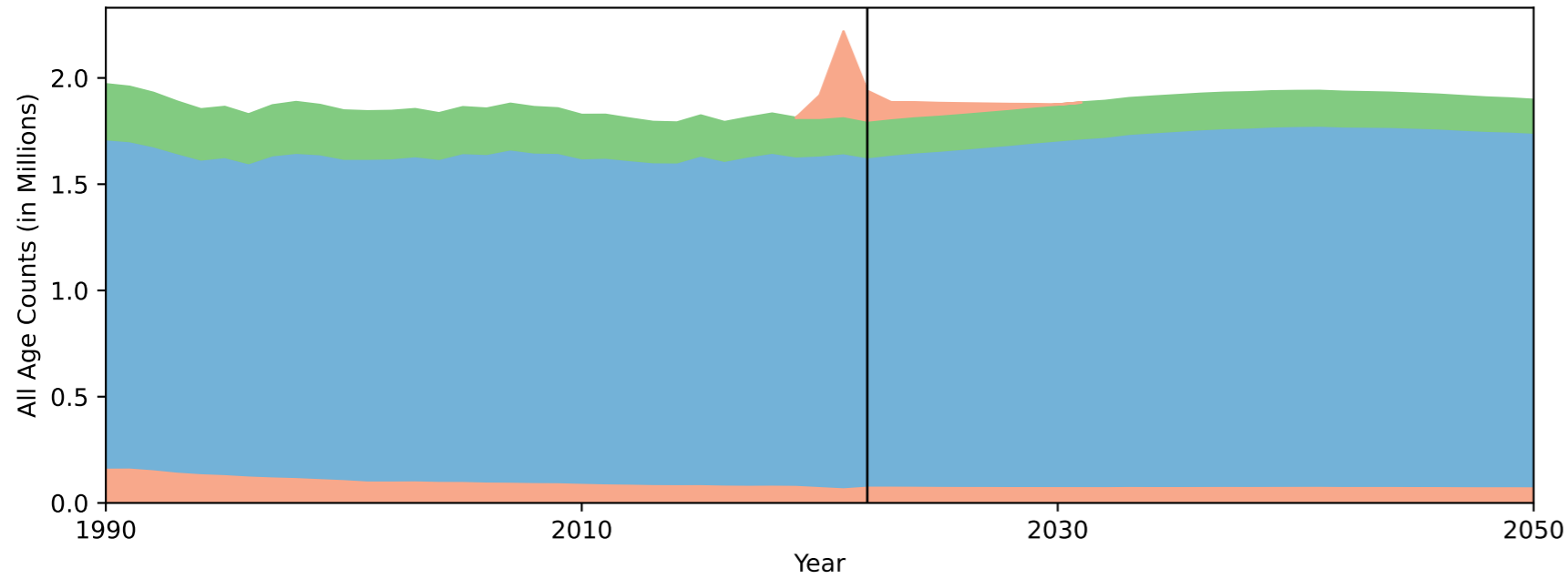
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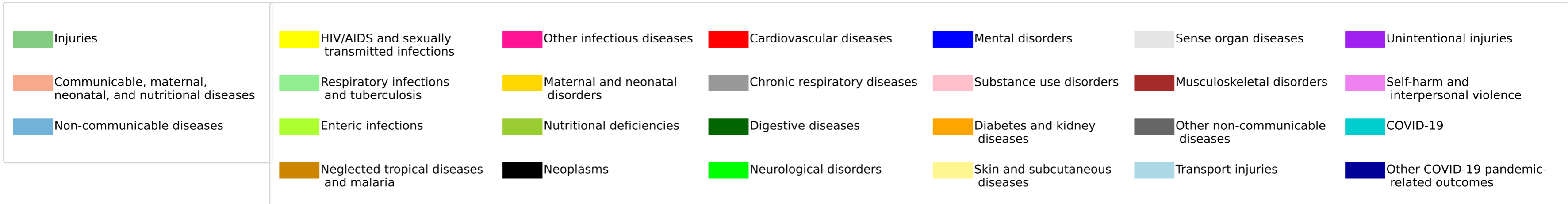
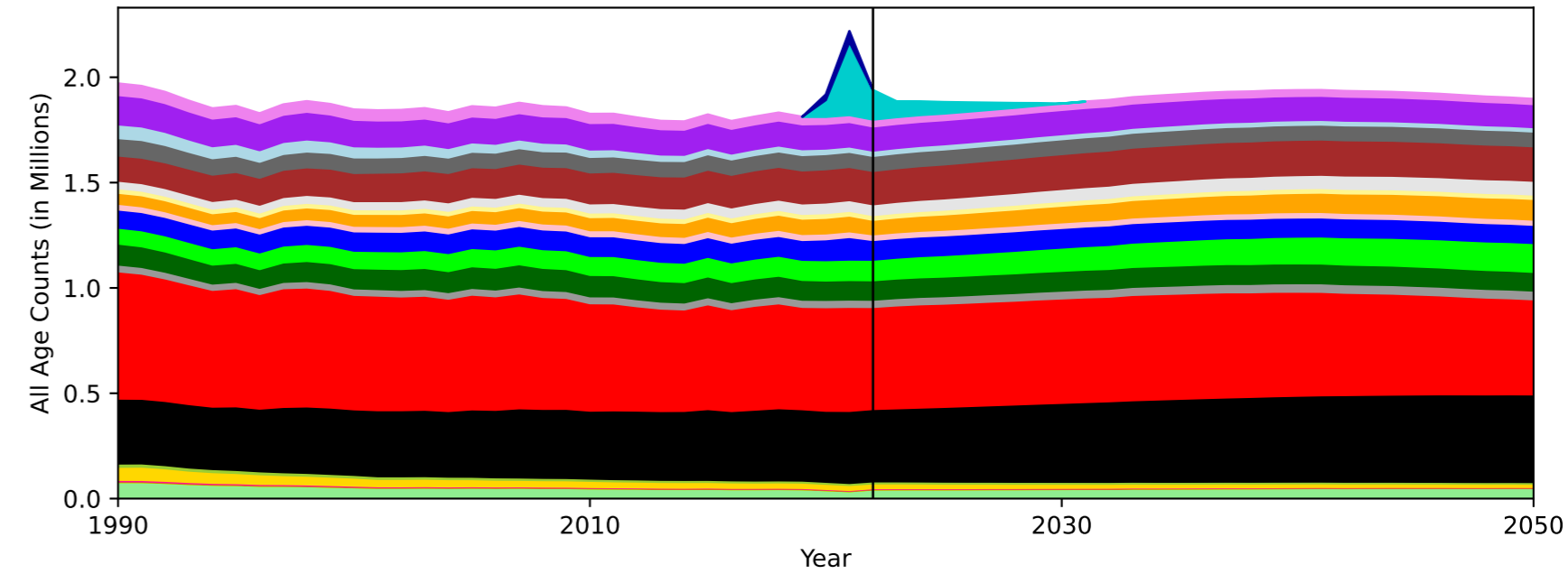
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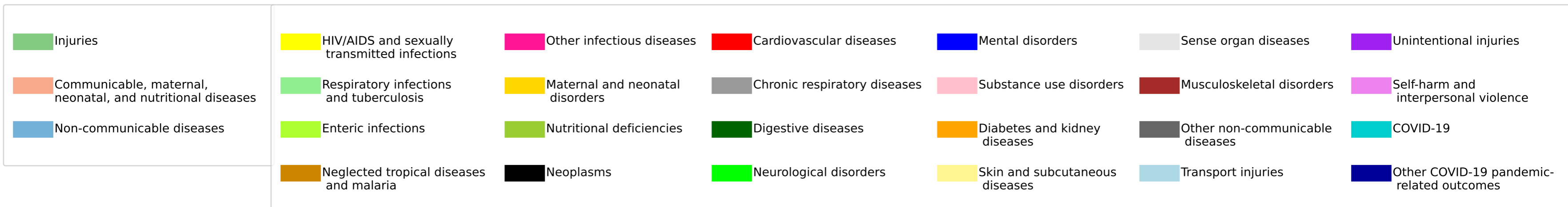
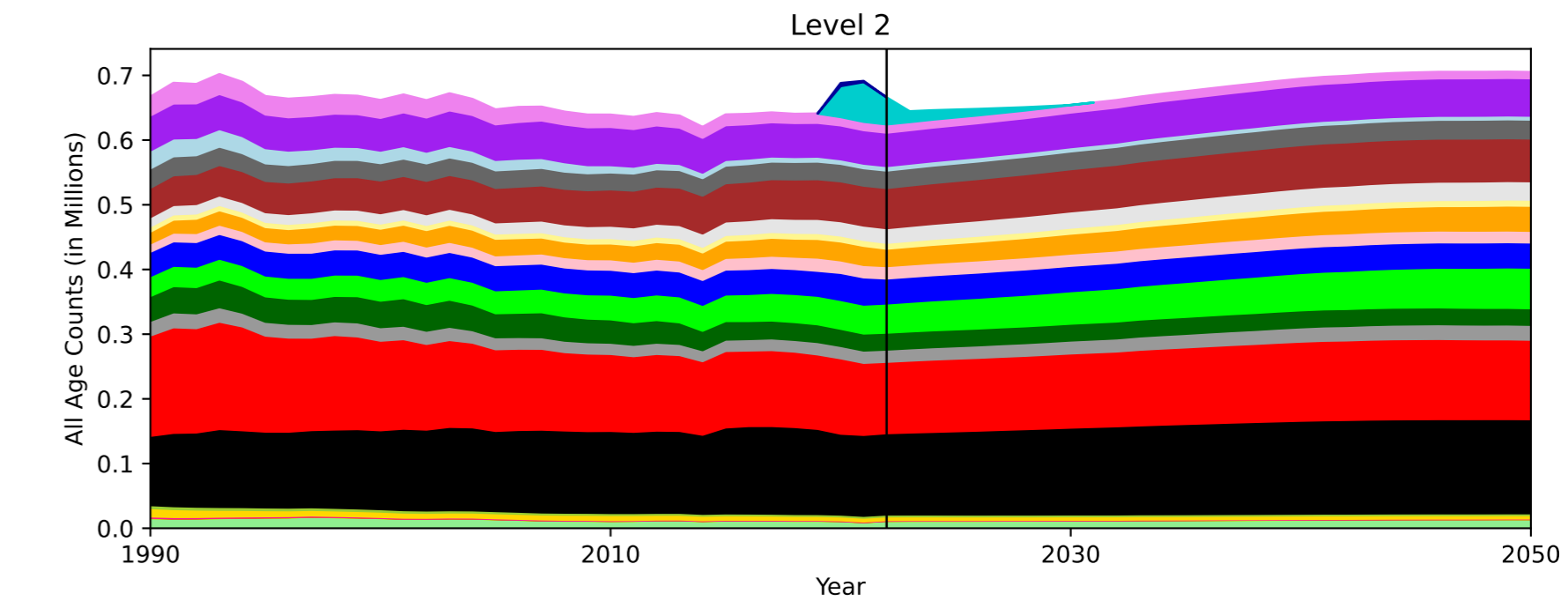
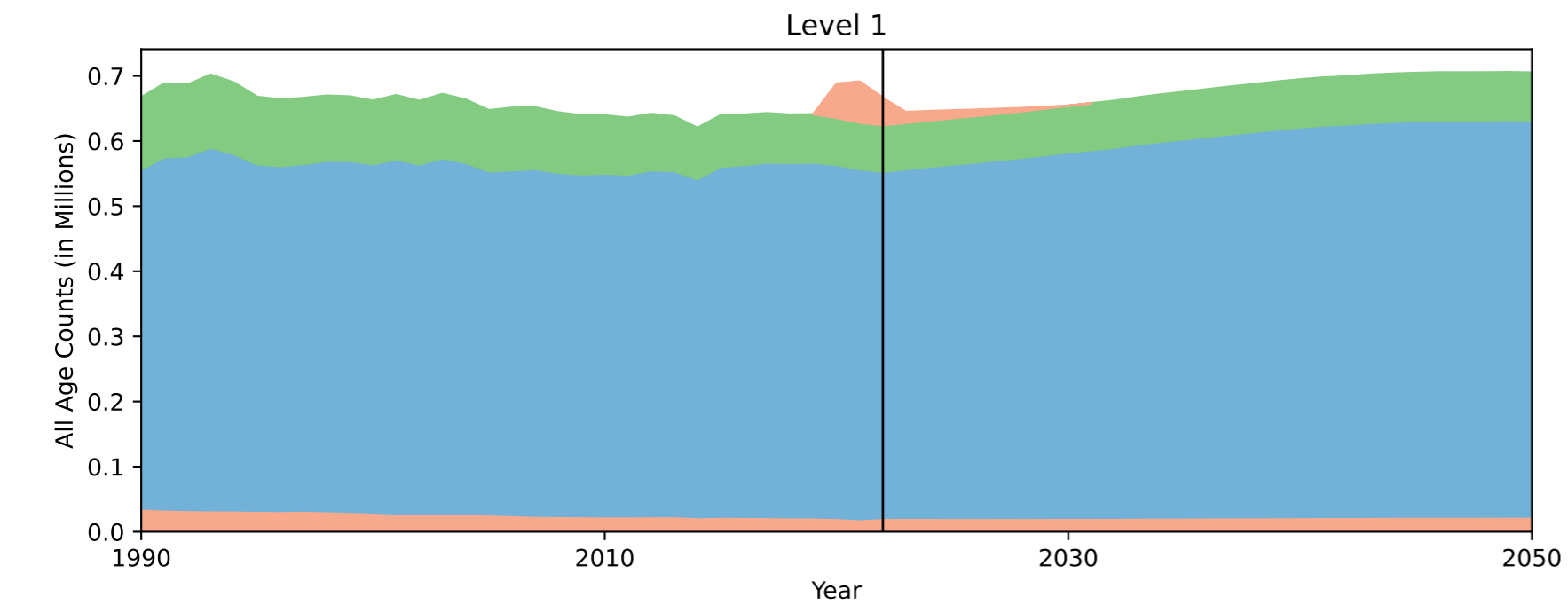
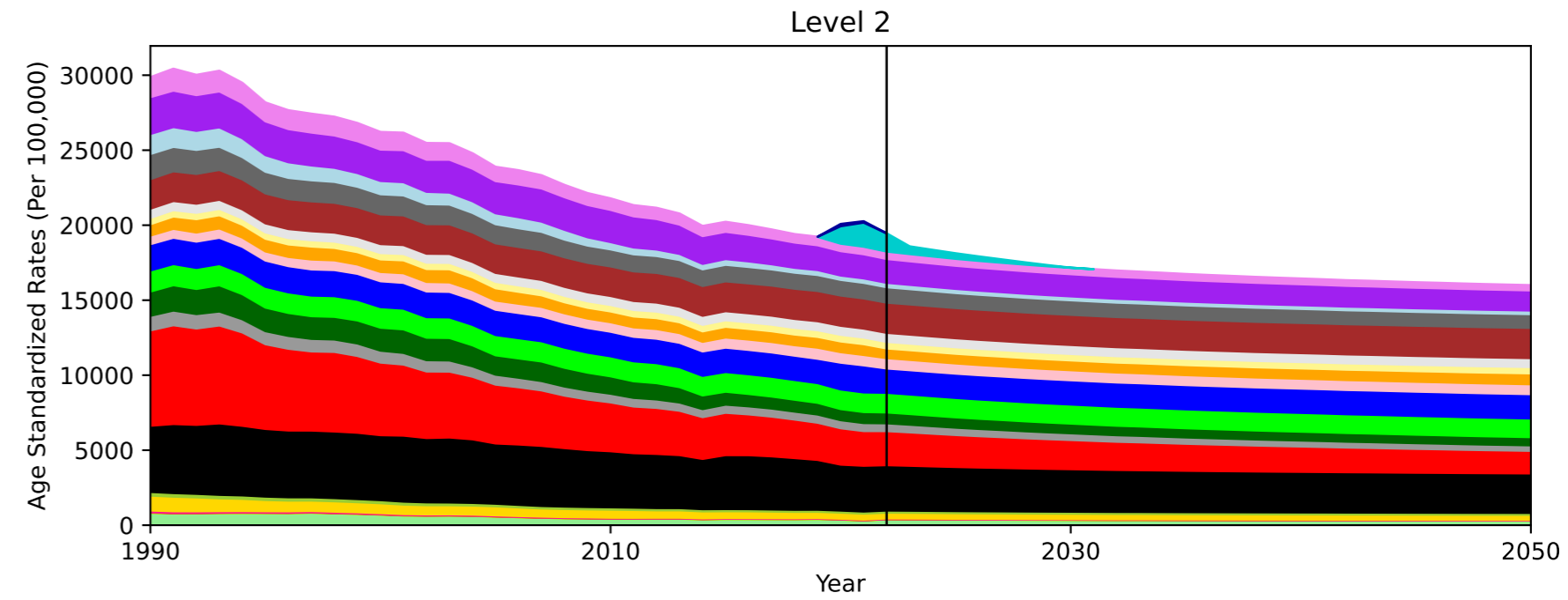
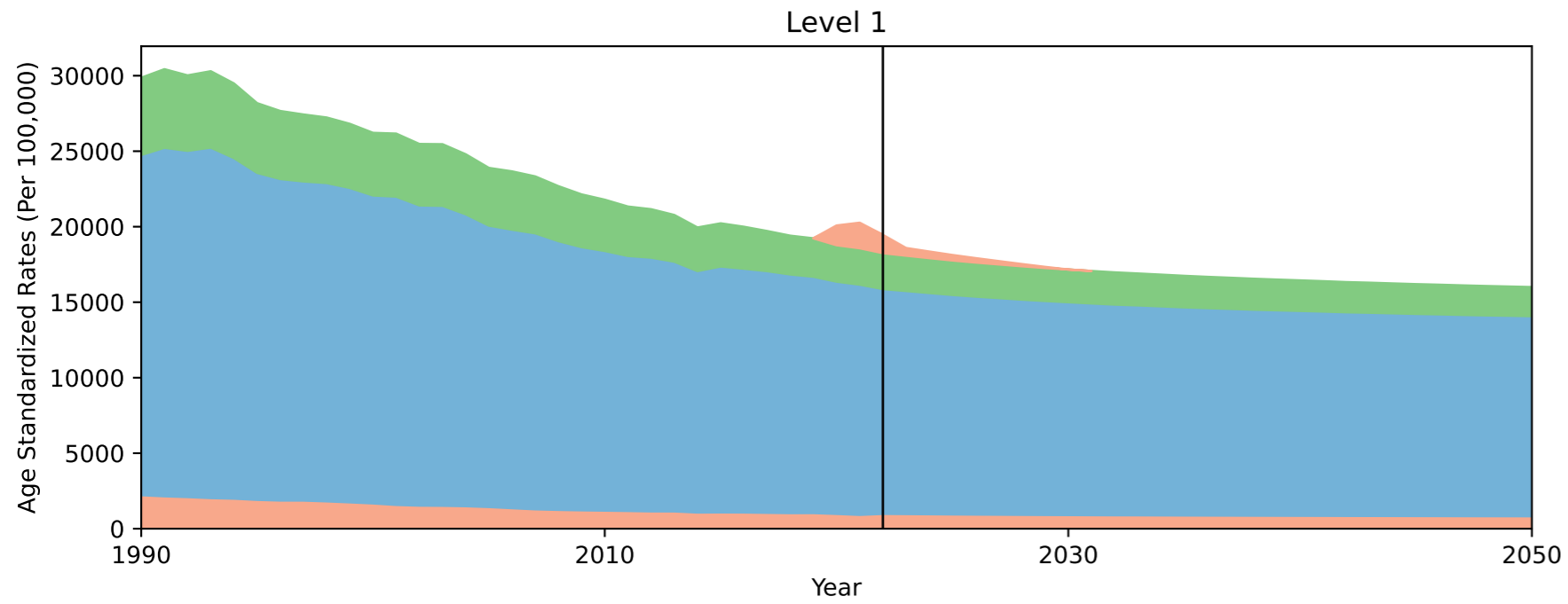
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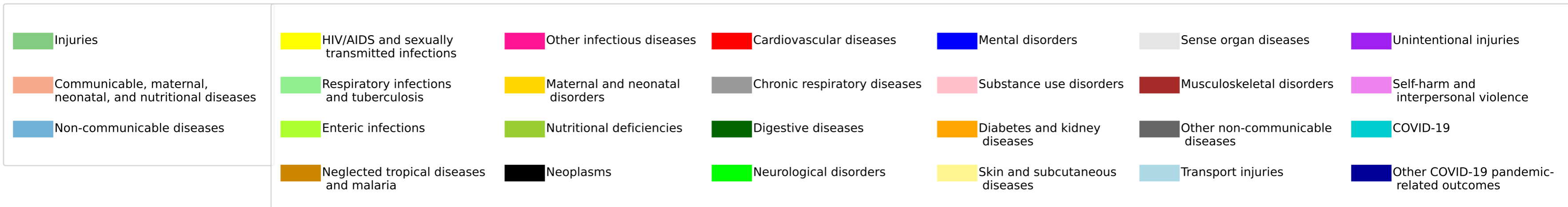
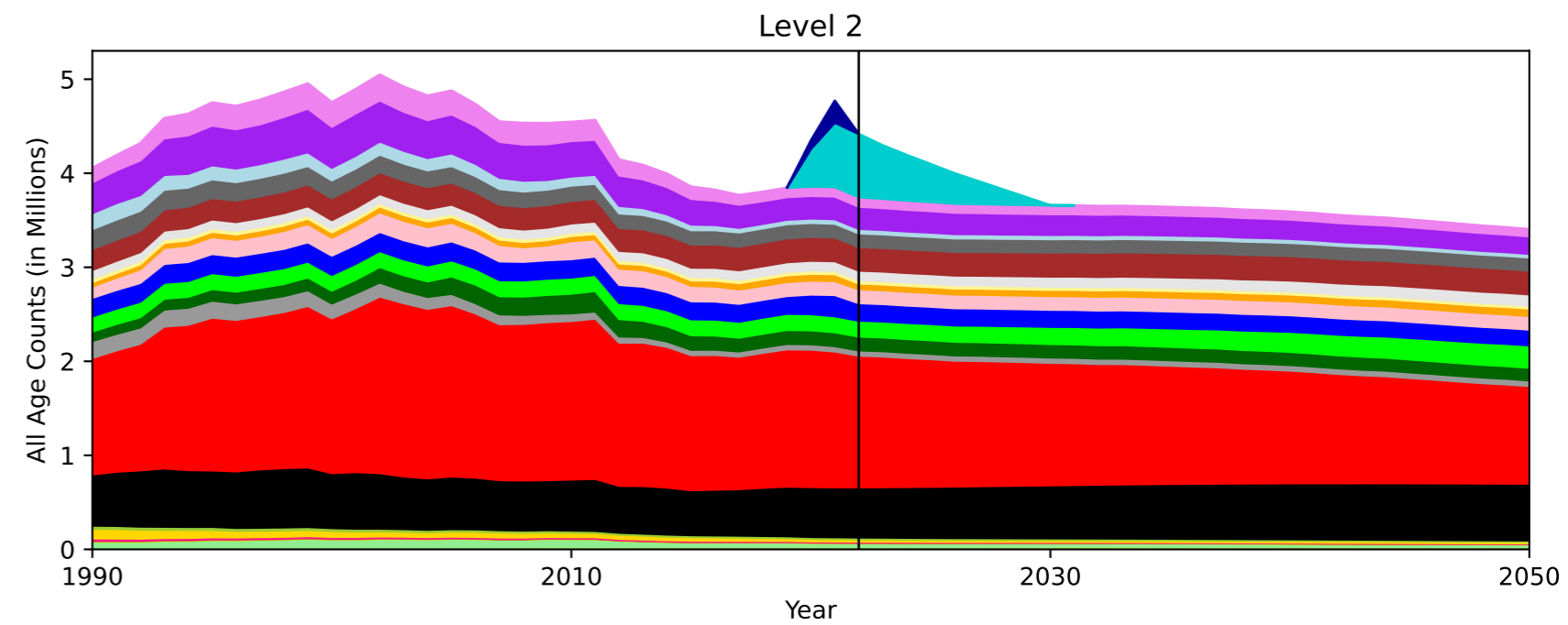
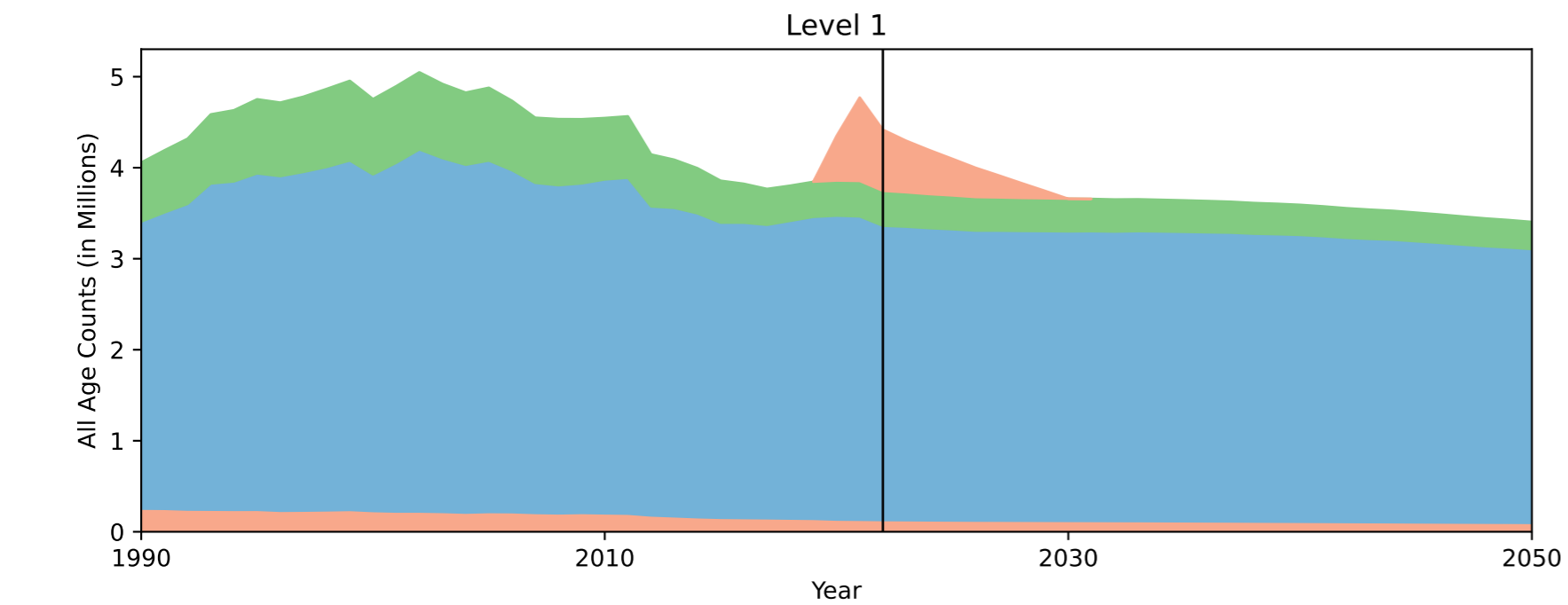
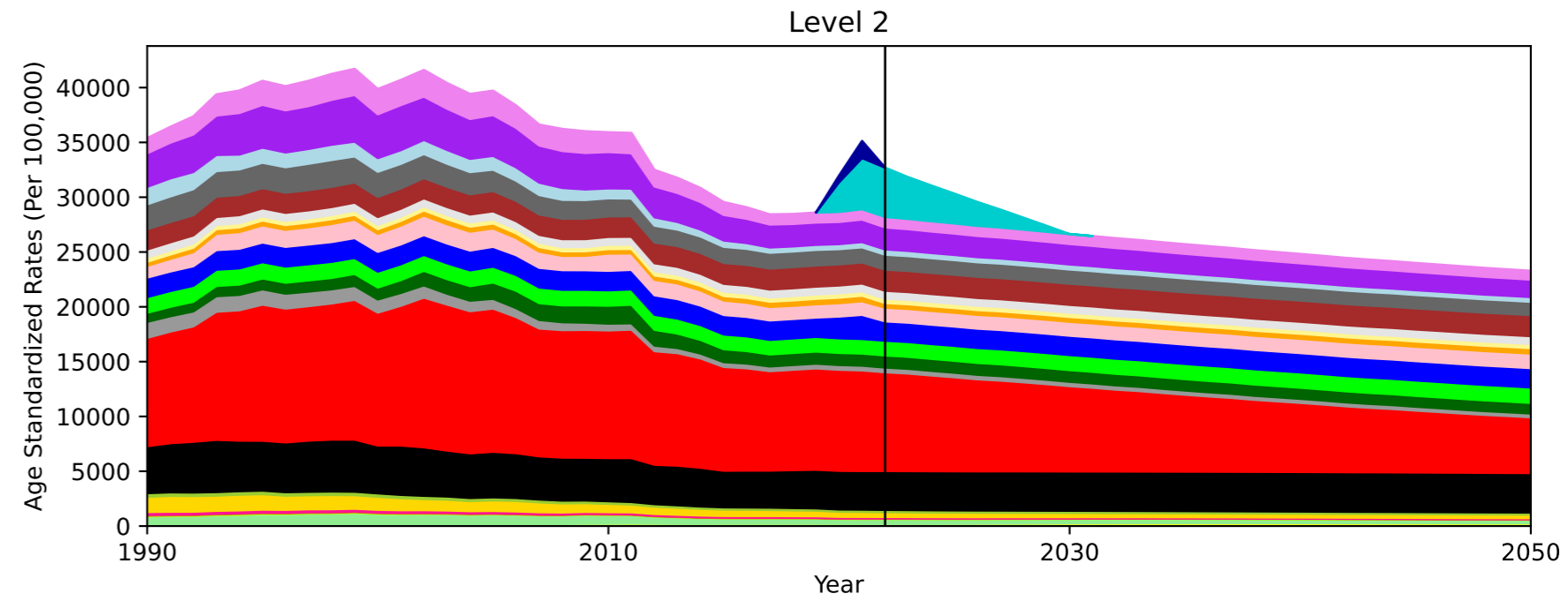
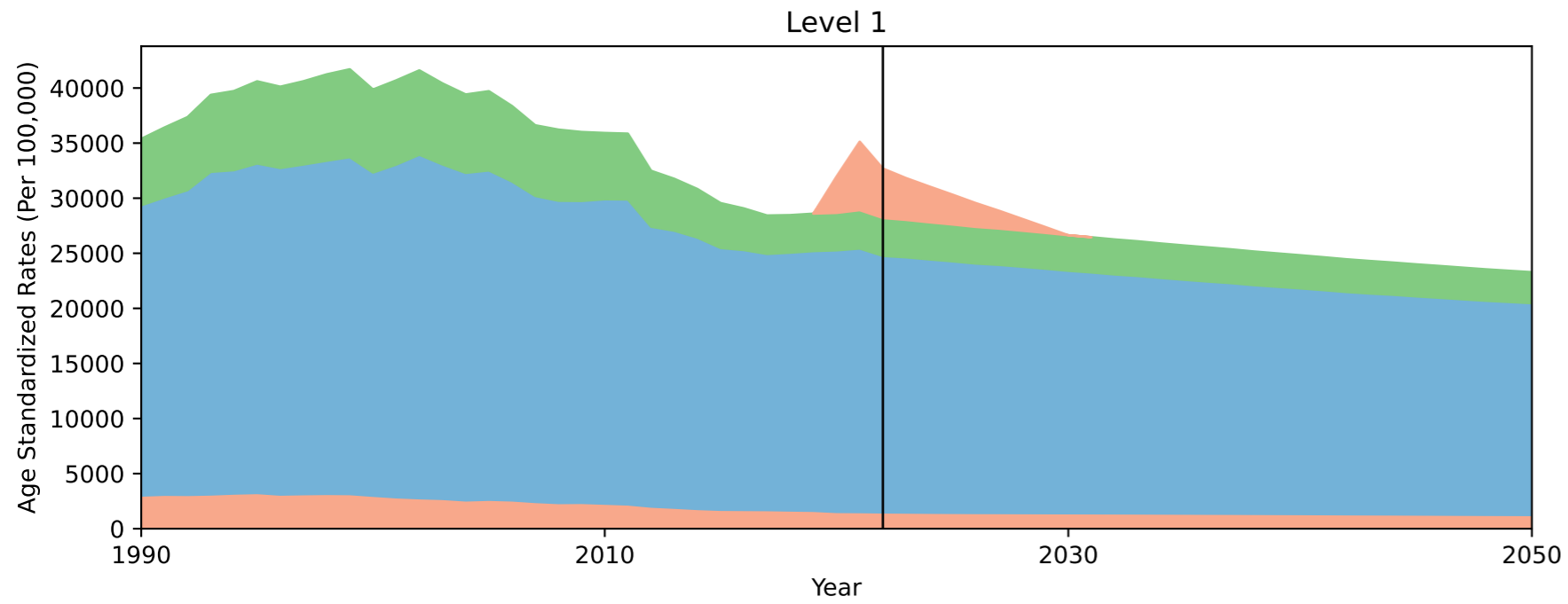
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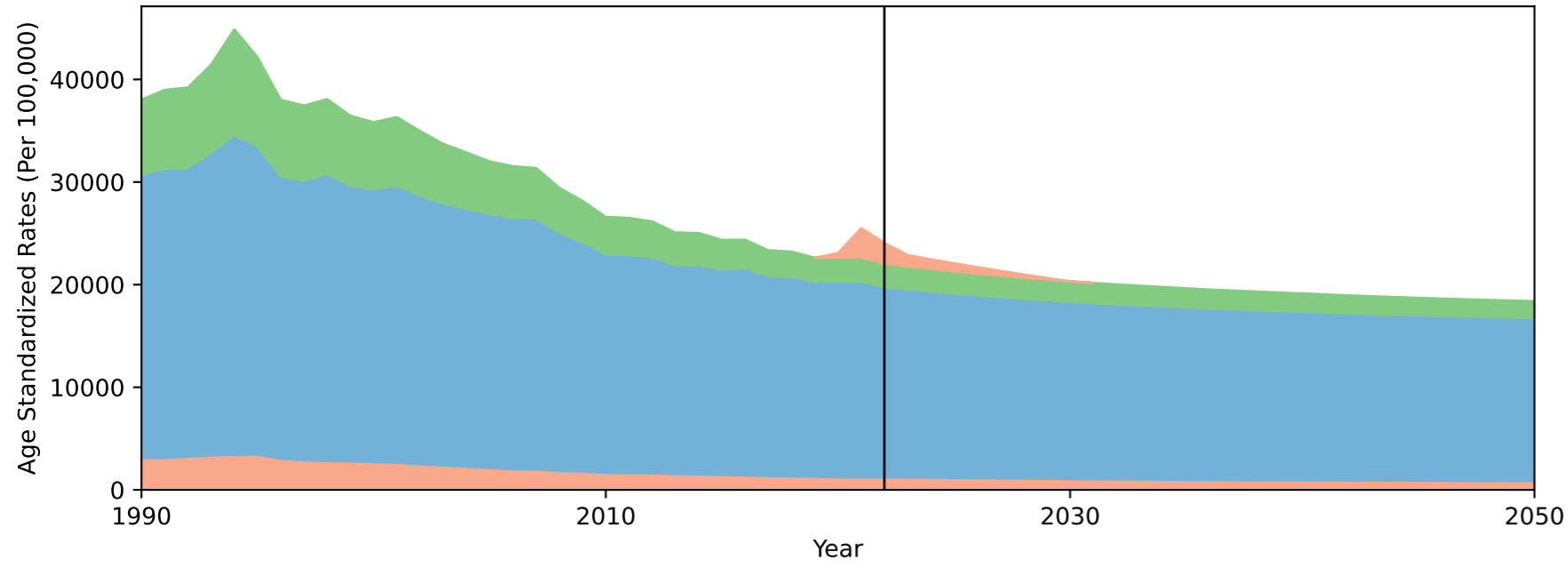
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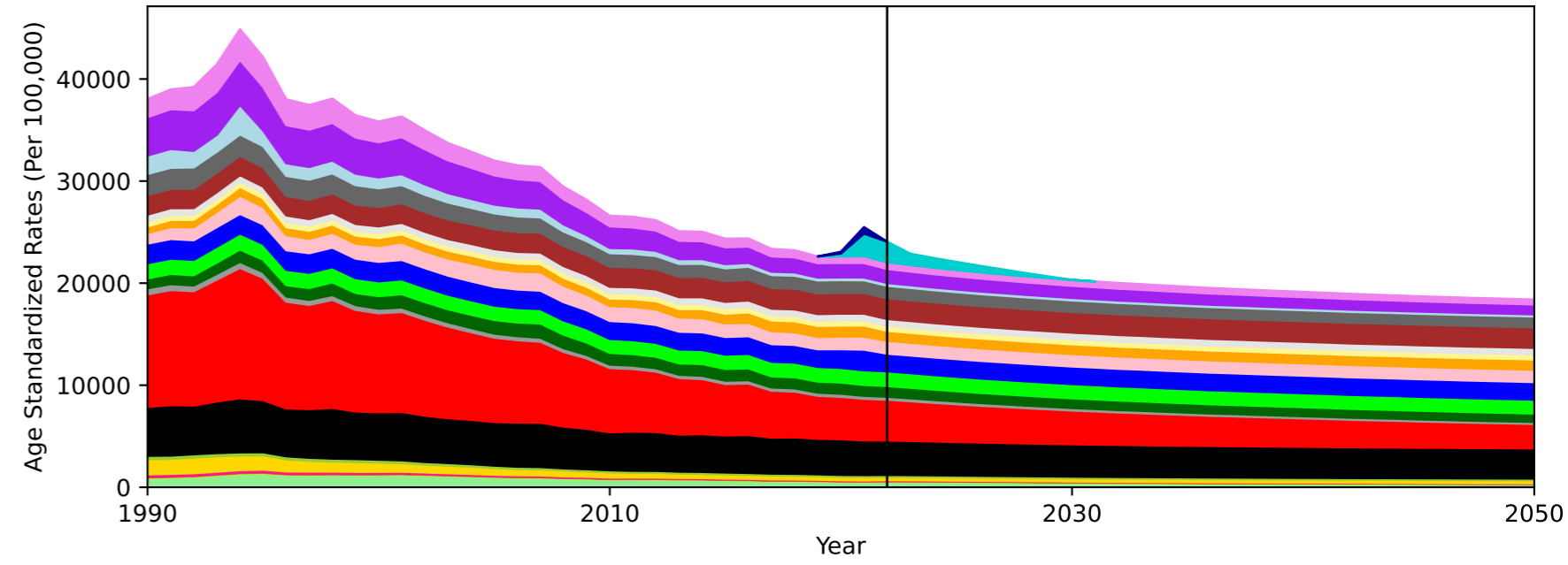
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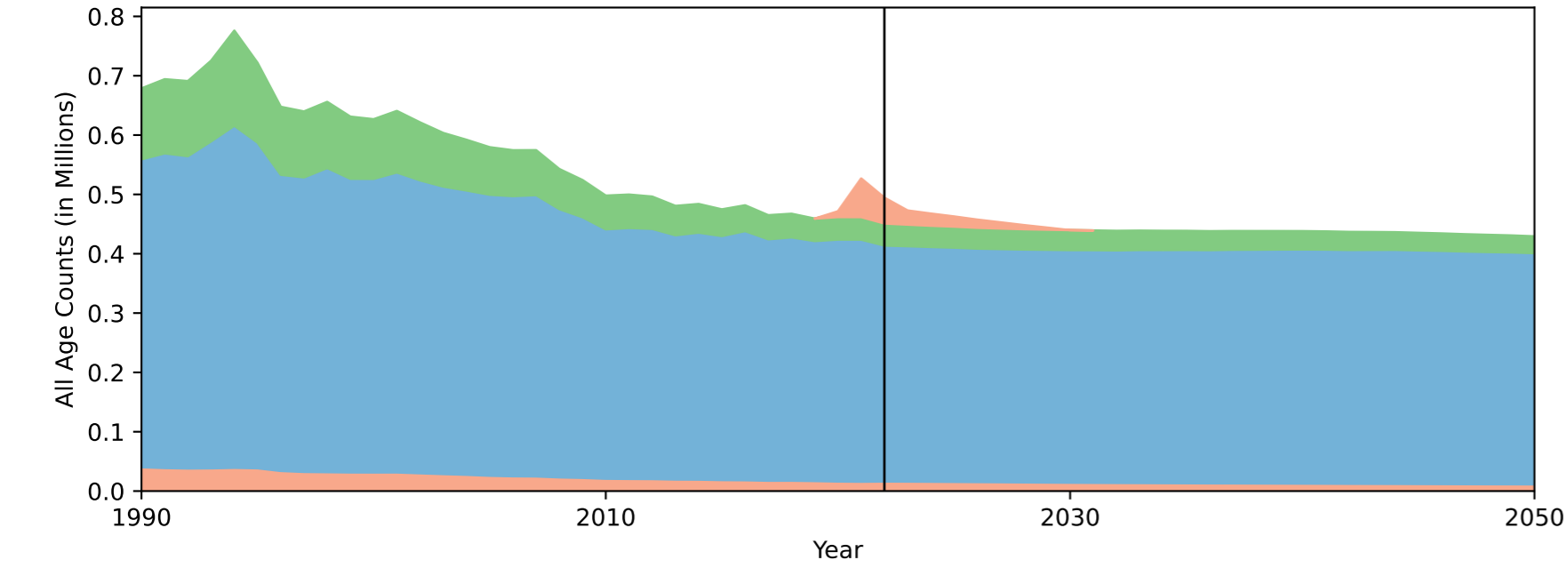
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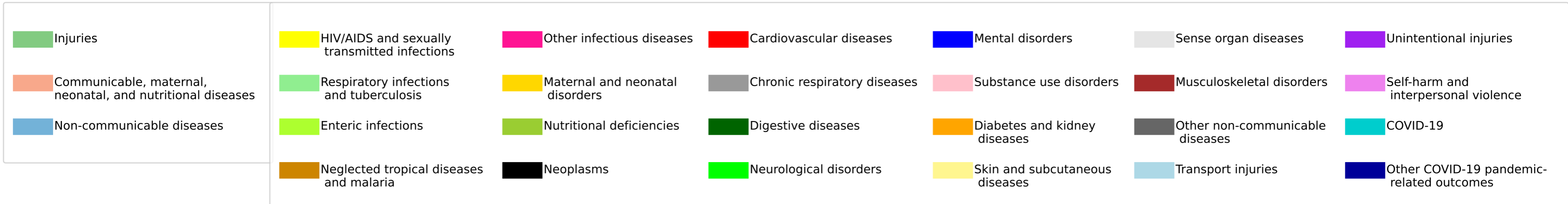
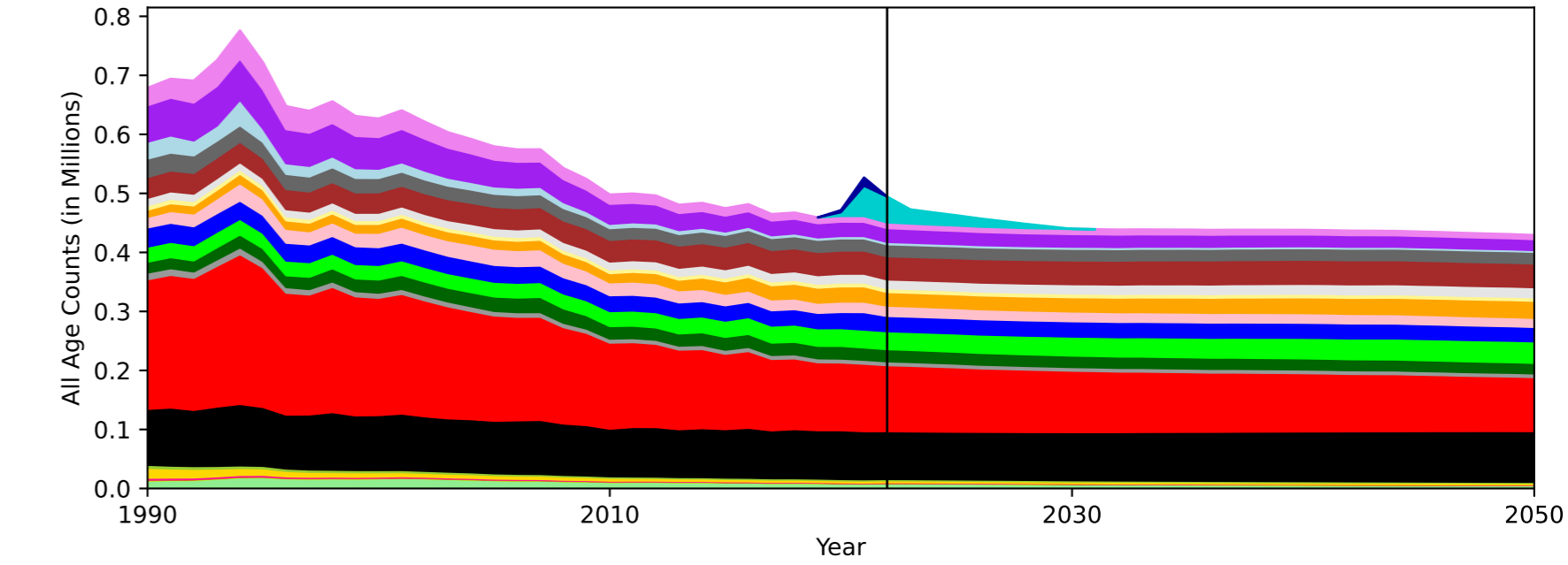
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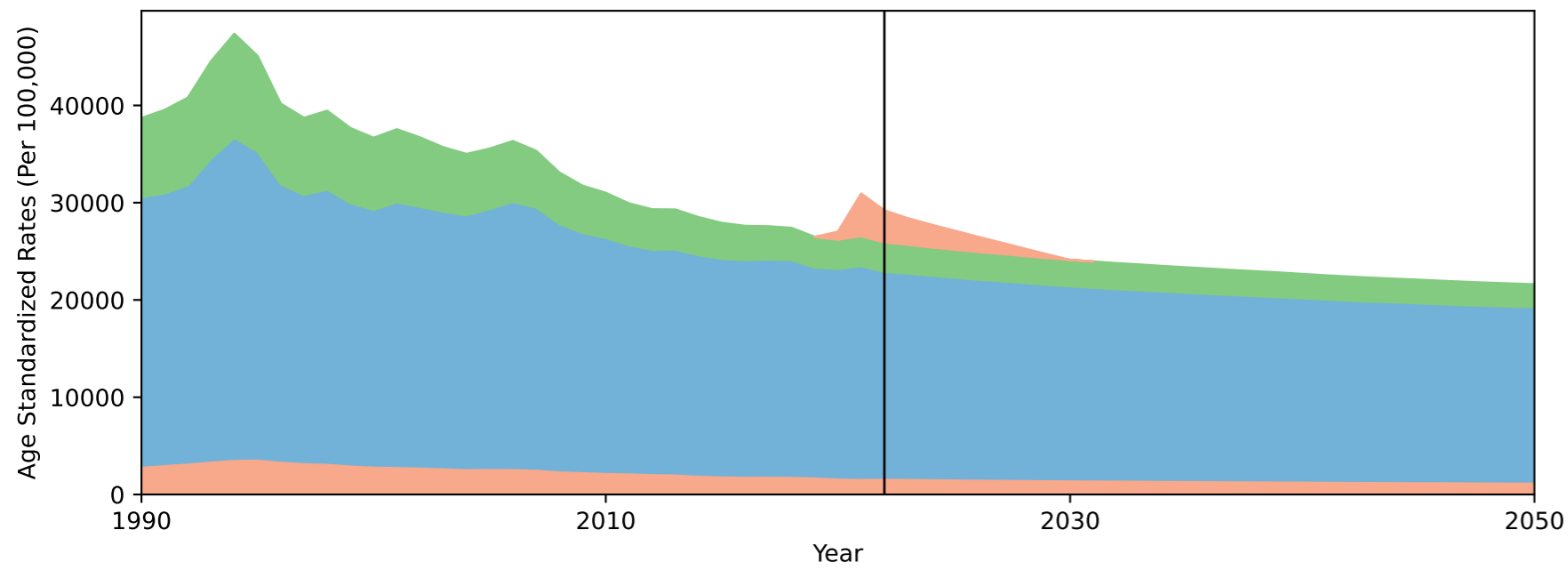
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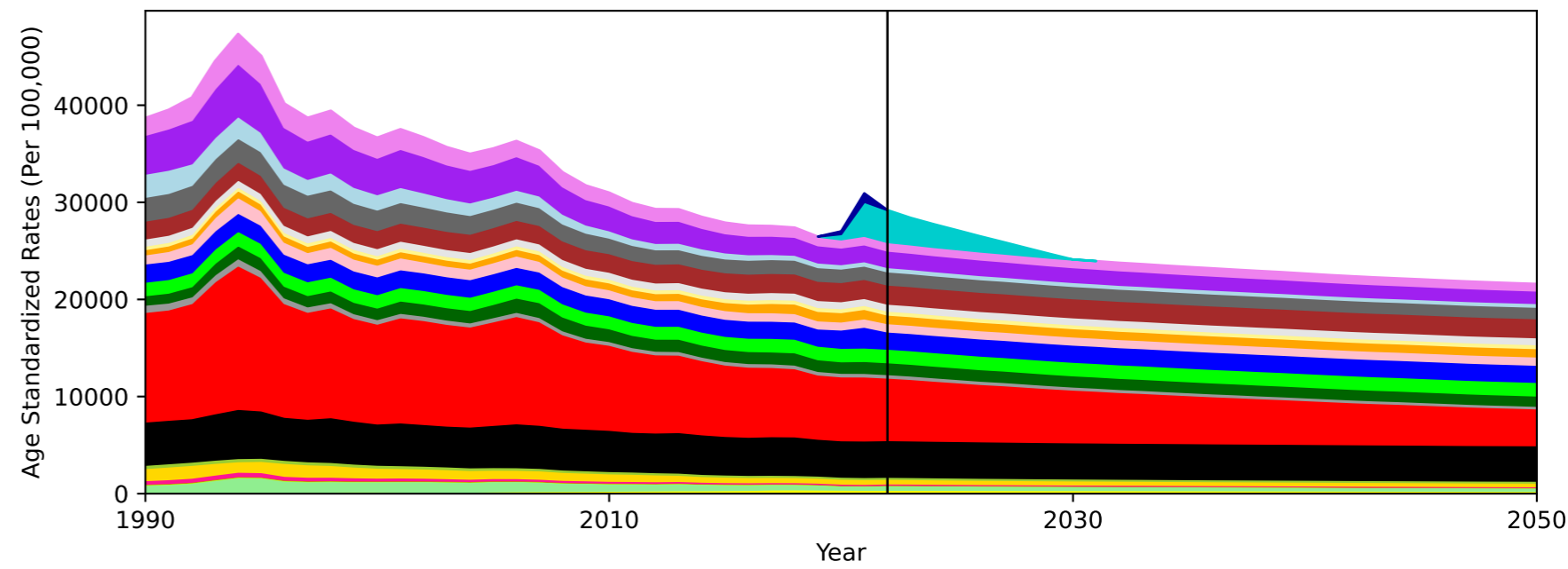
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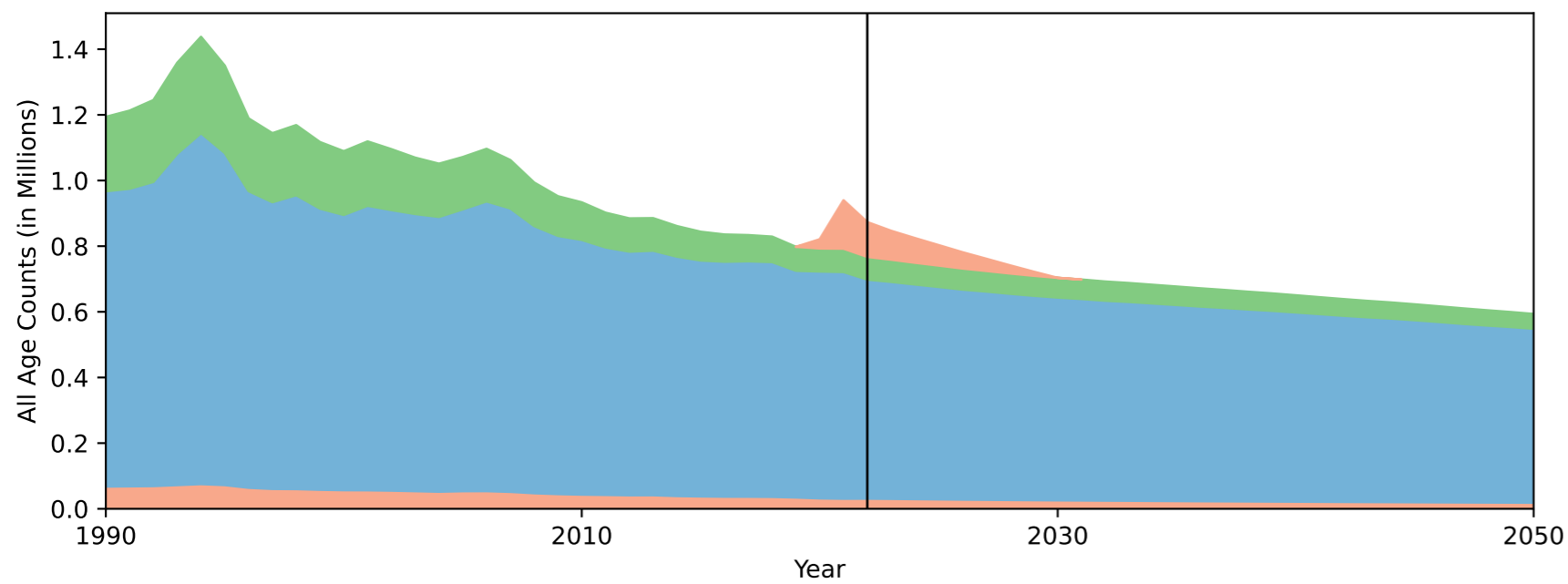
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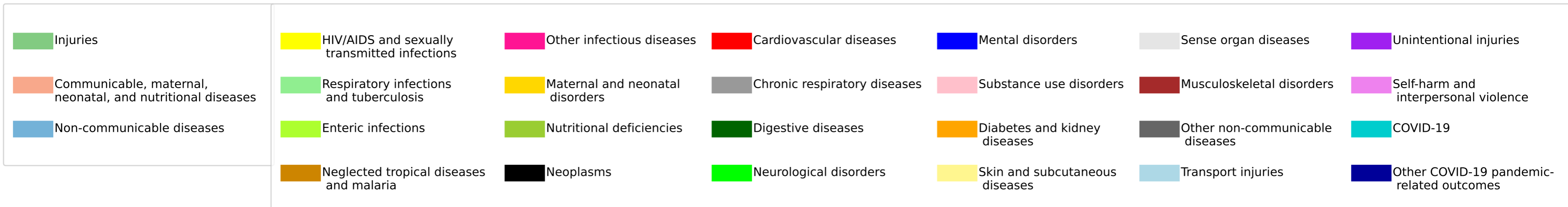
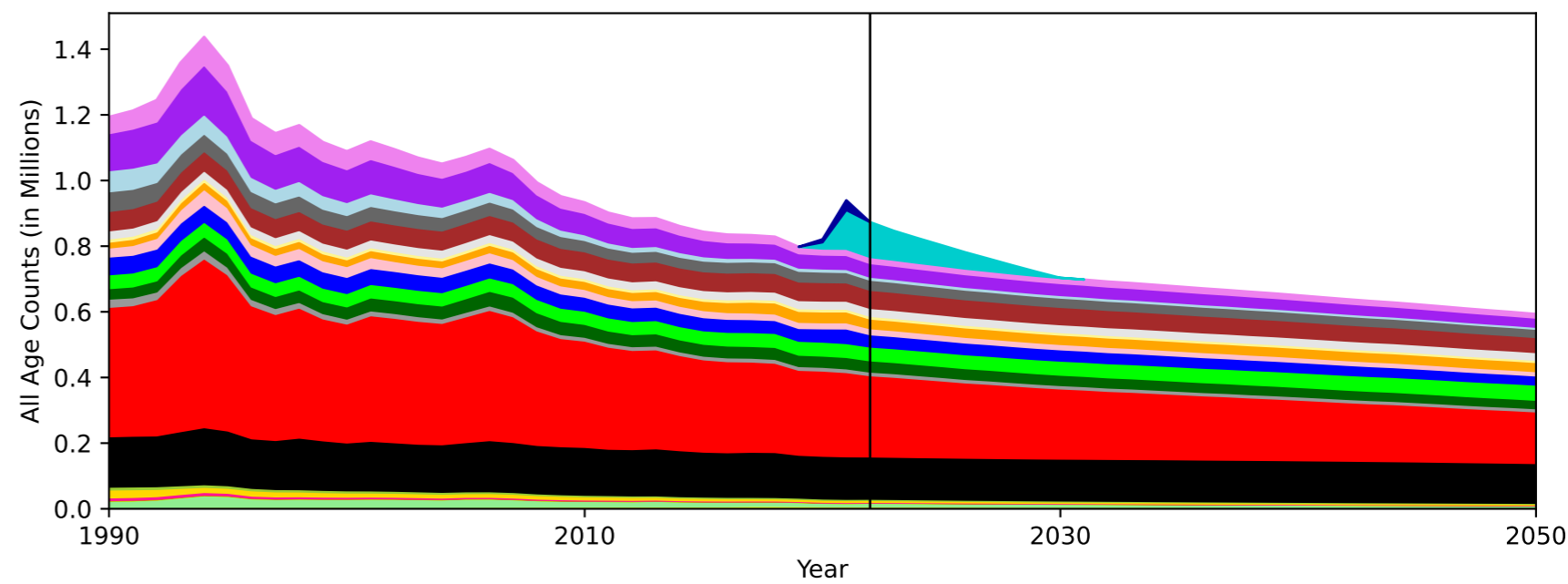
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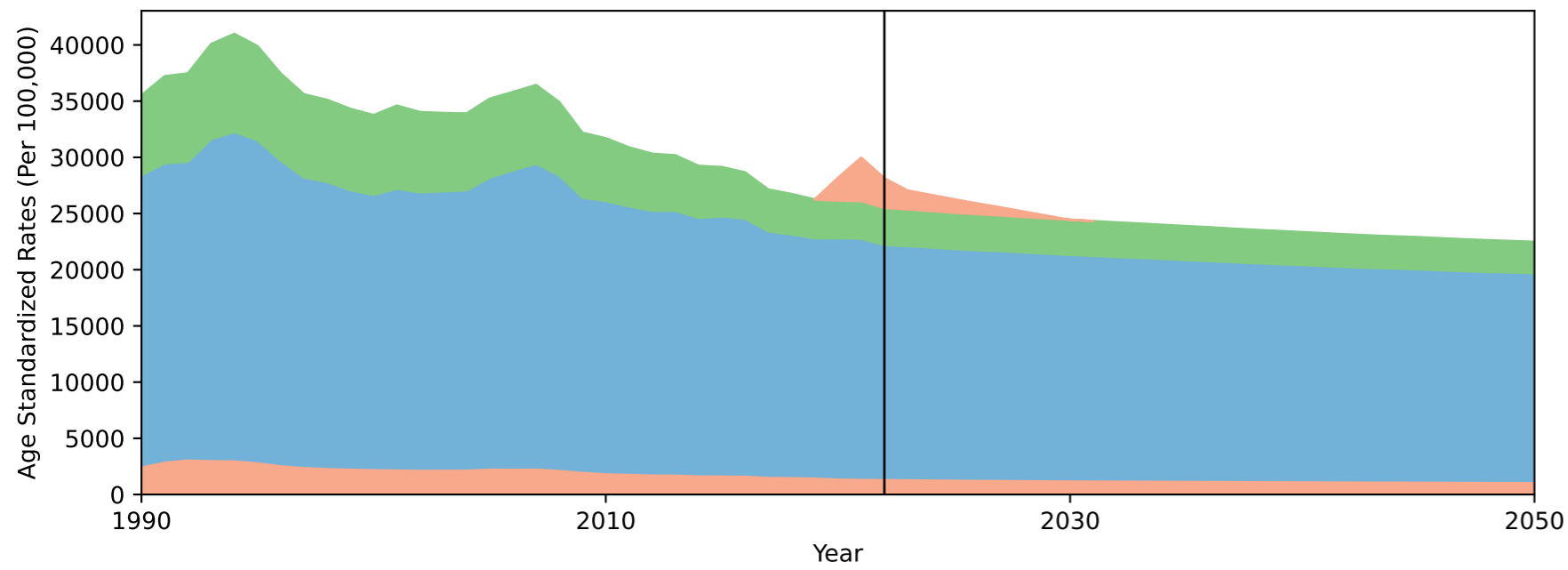


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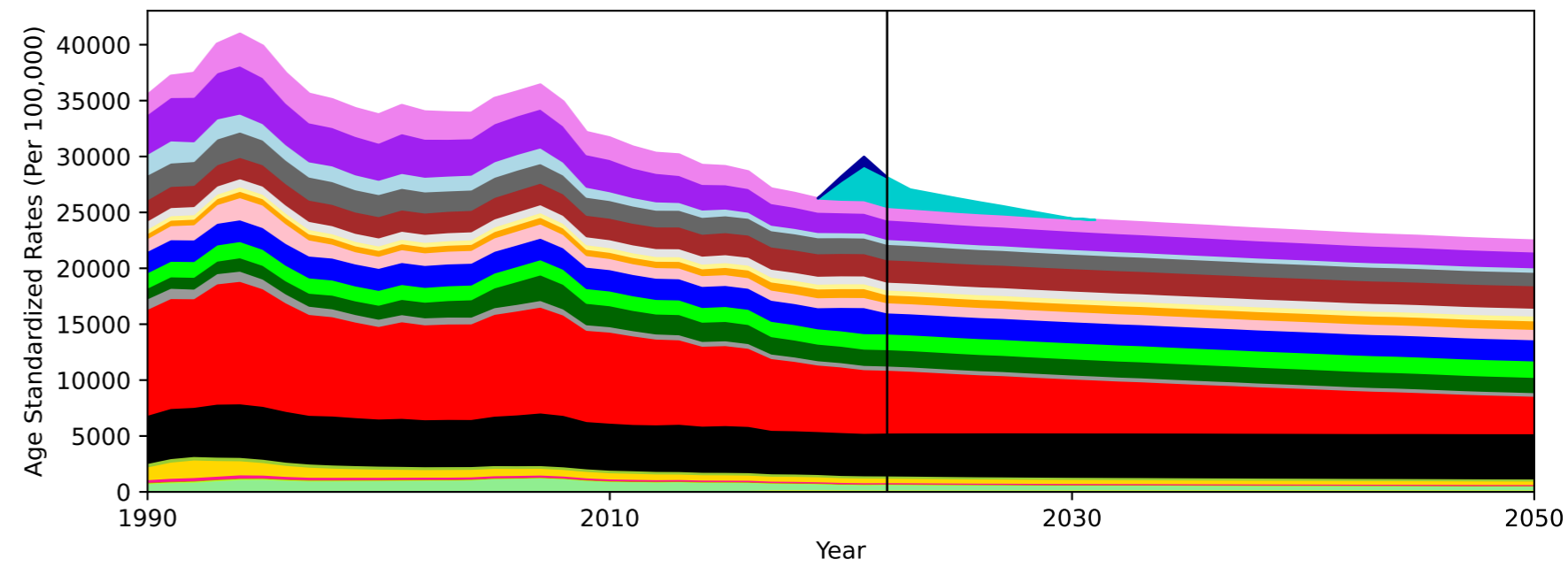


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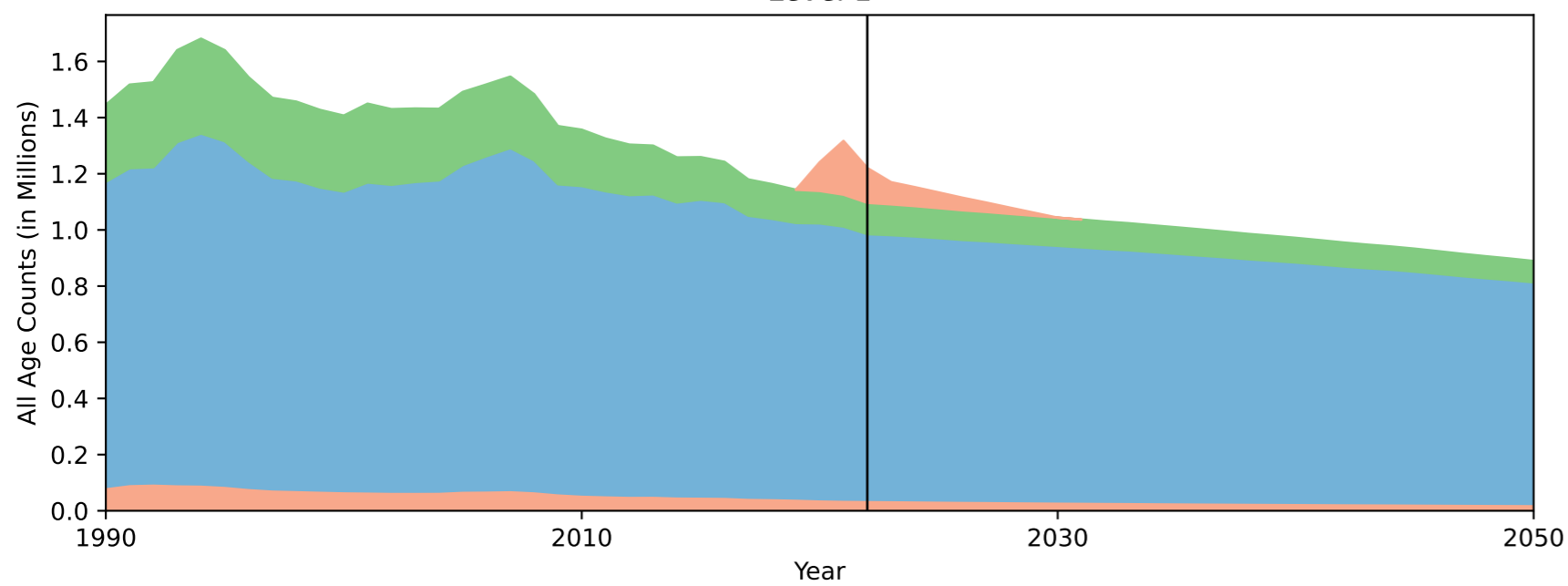
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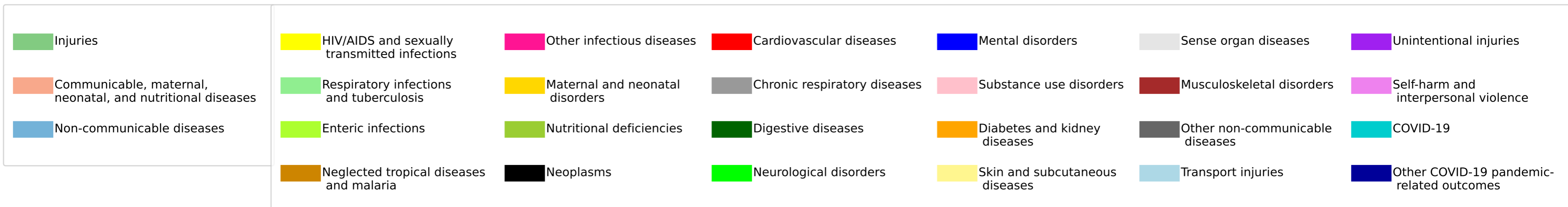
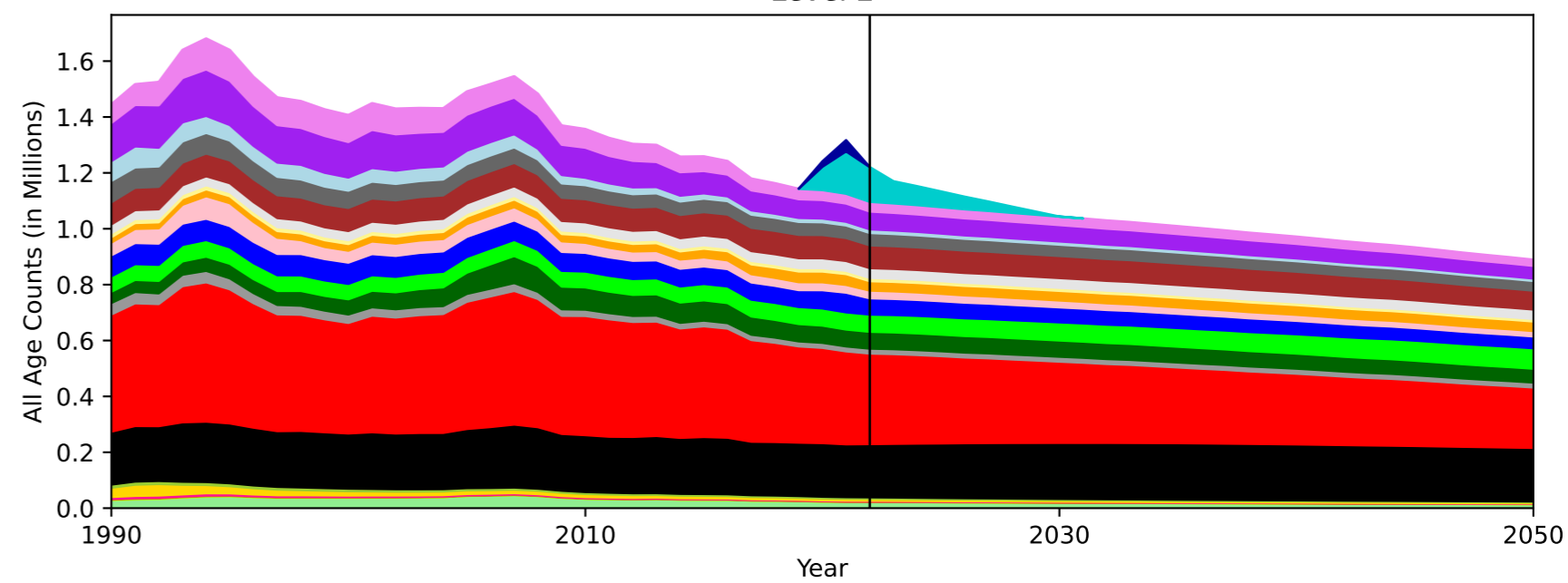
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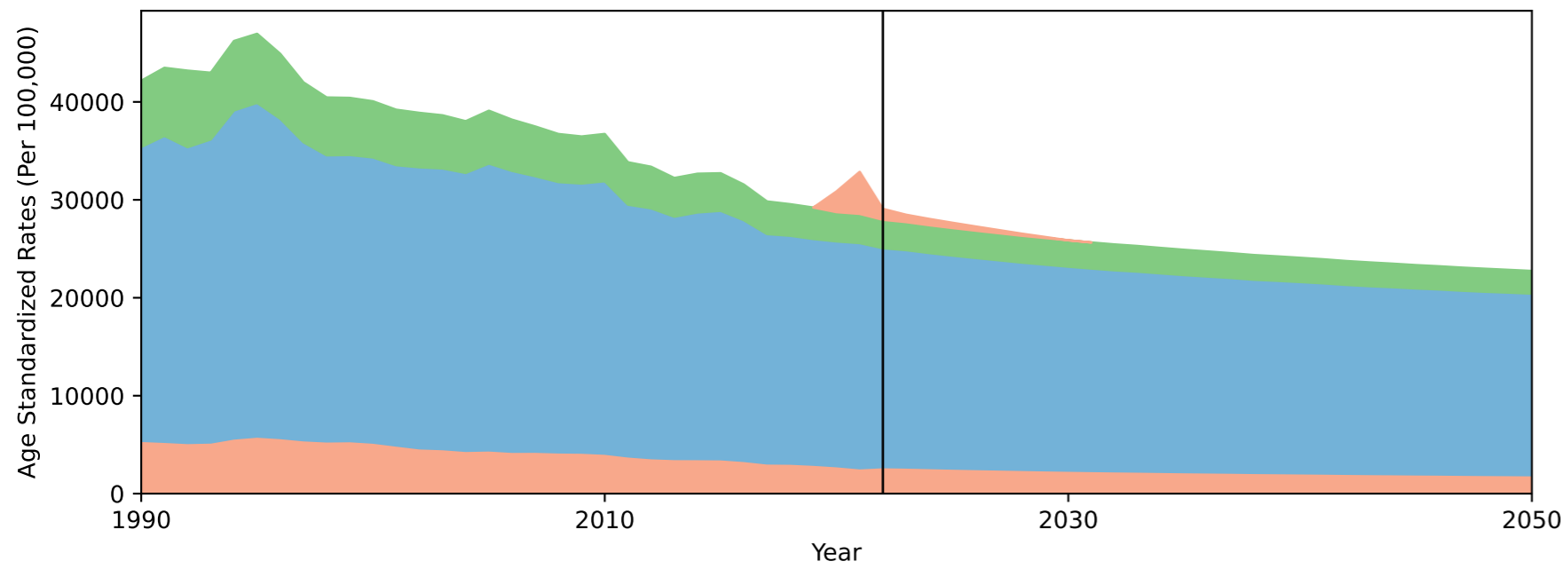


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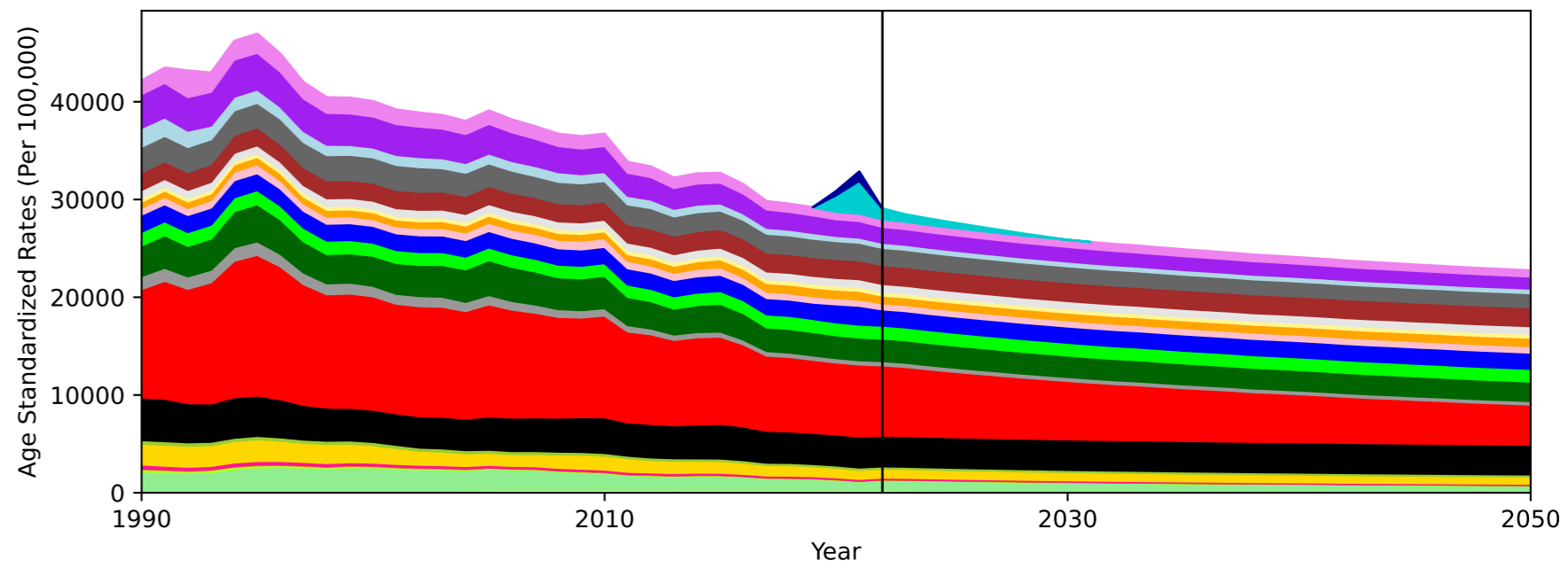


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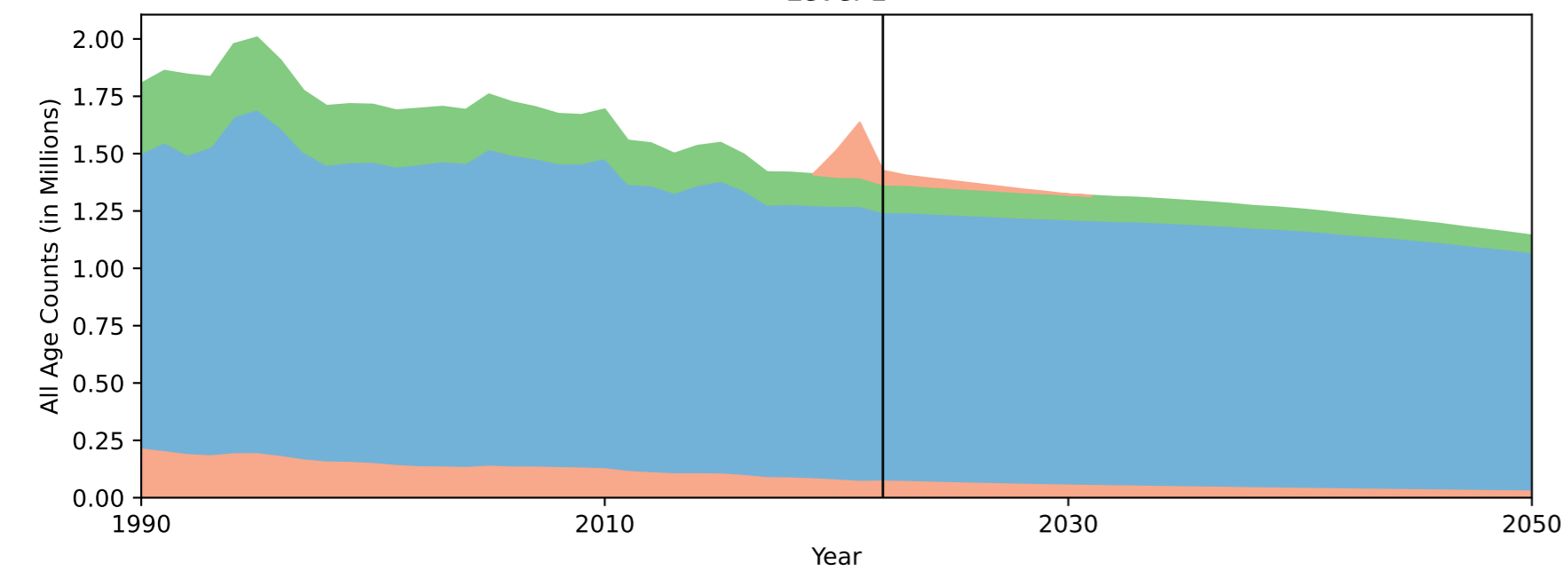
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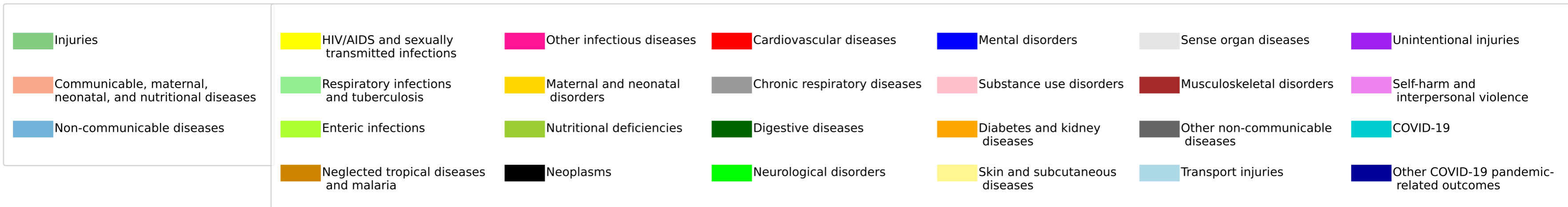
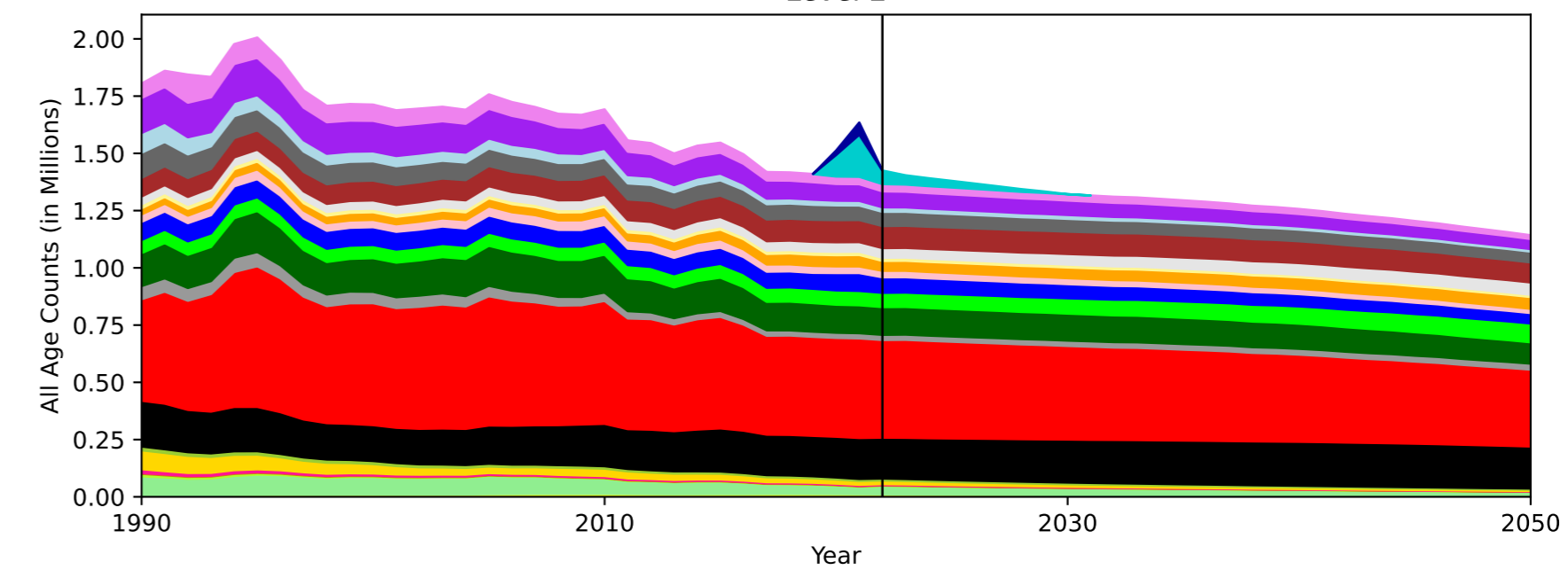
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Level 1



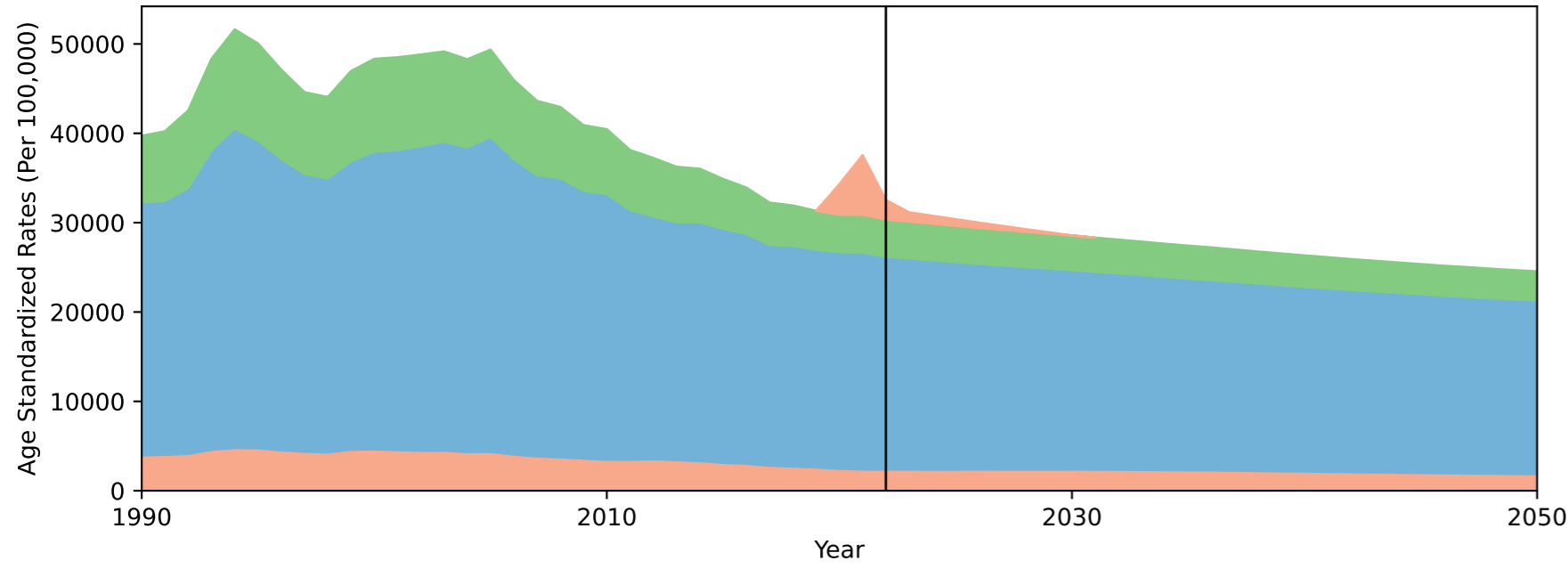
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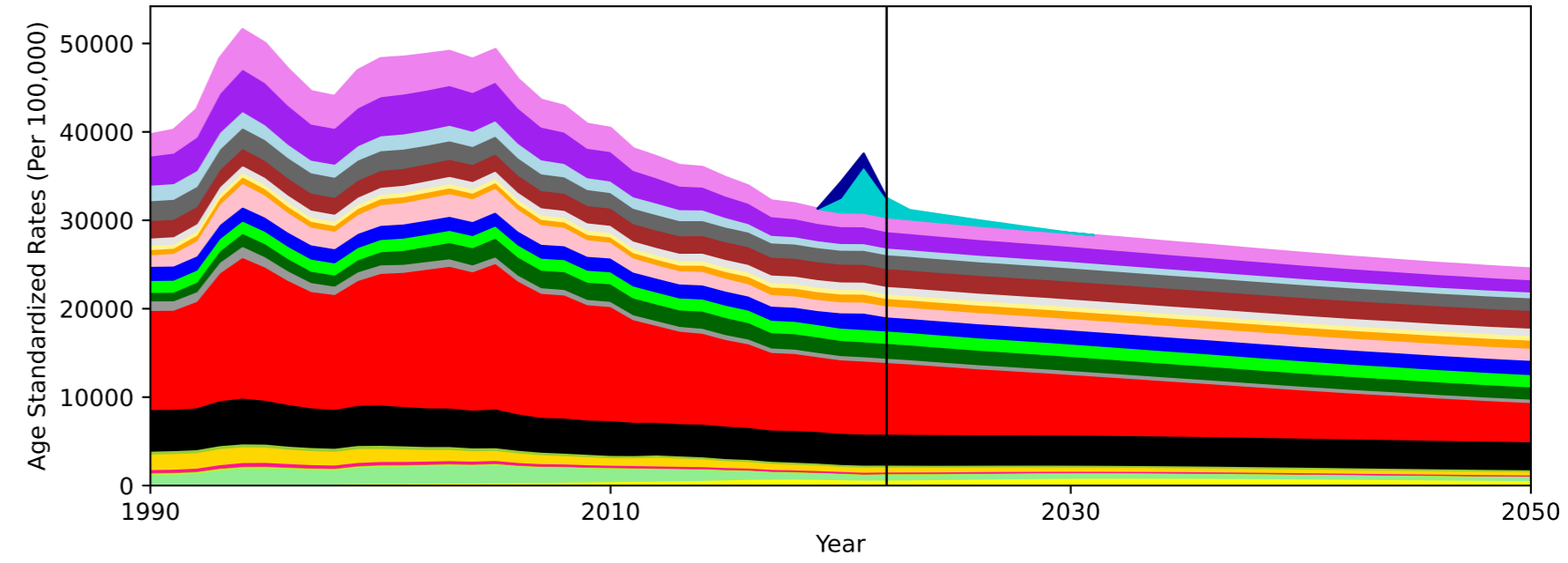


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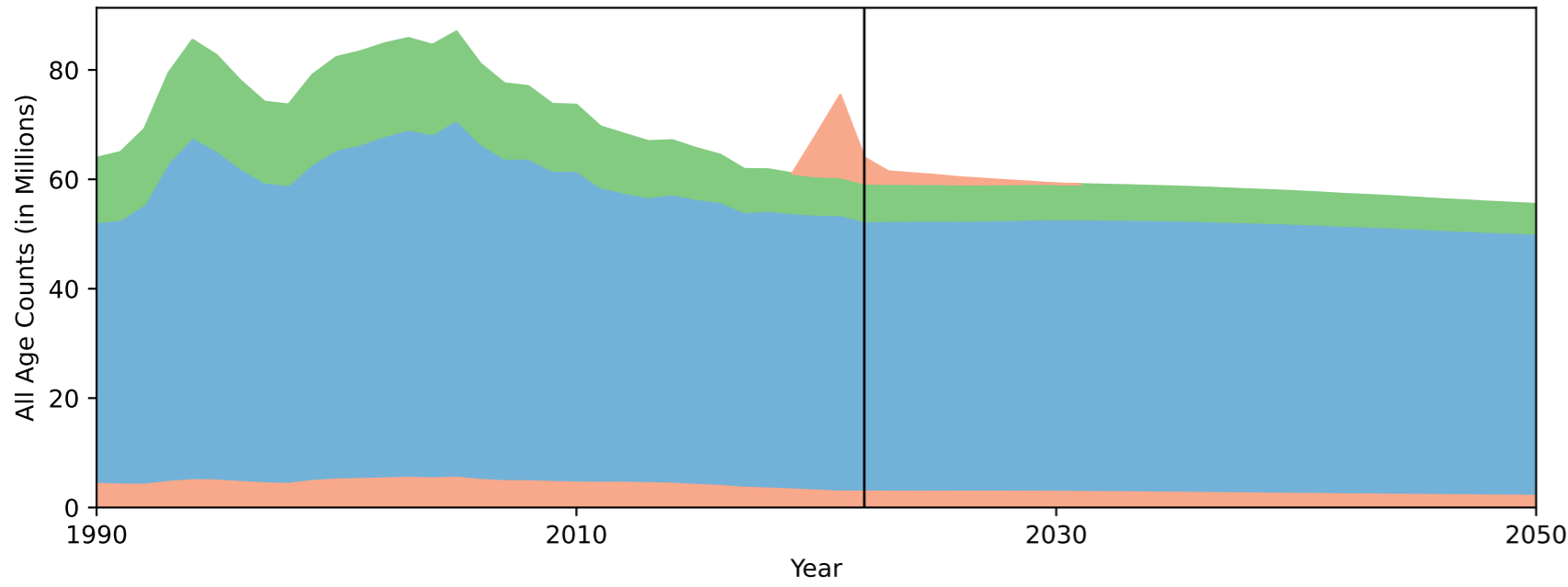
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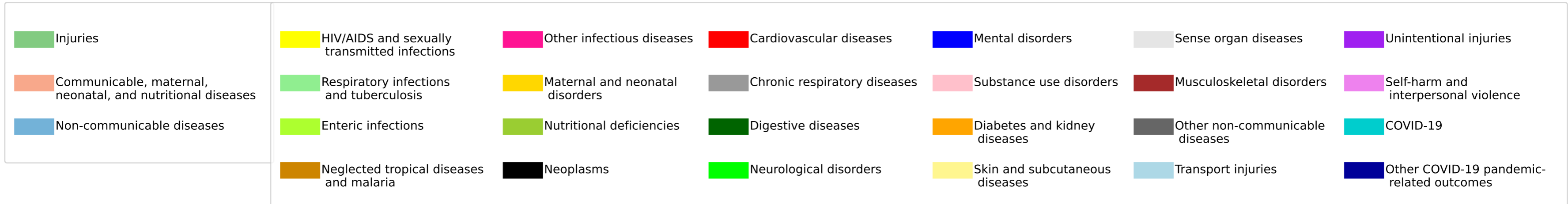
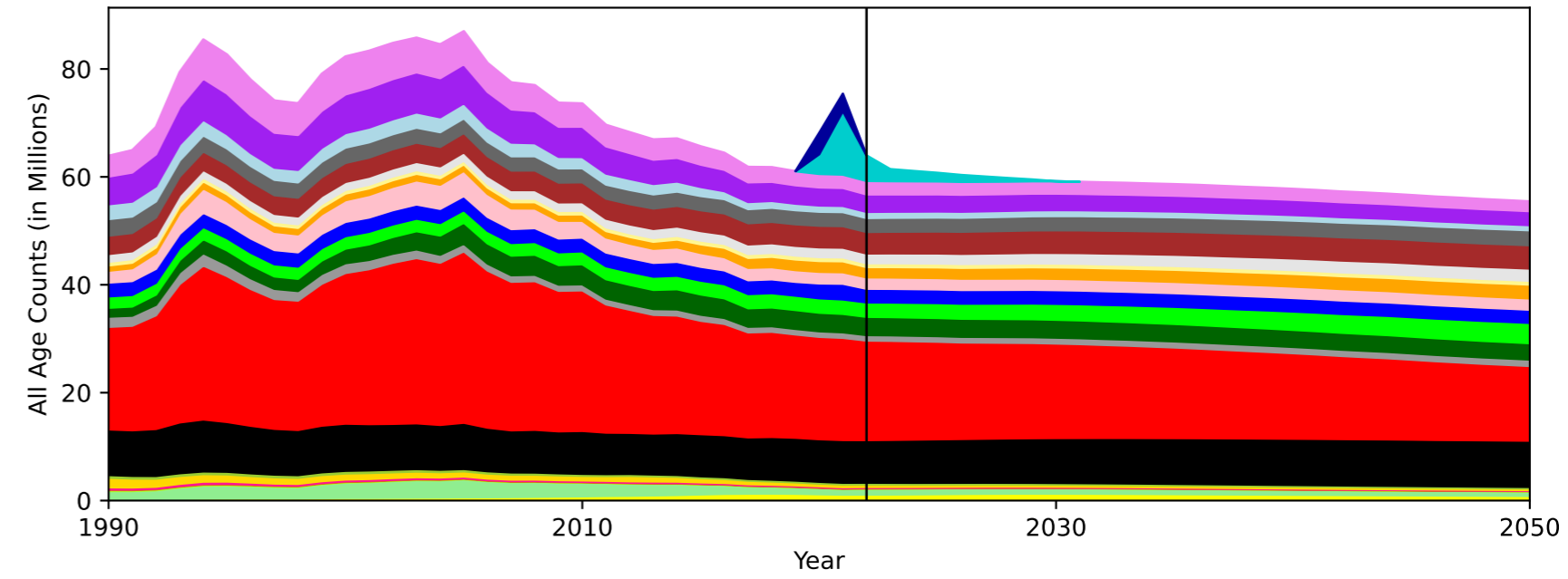
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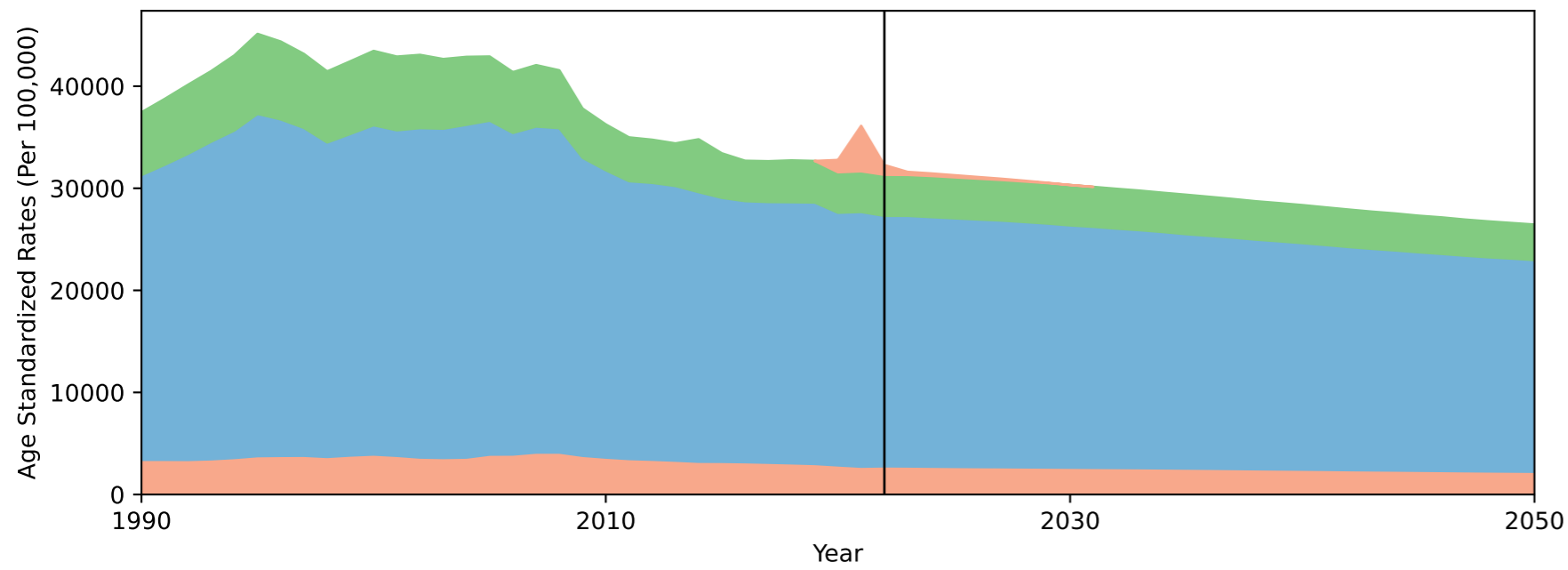


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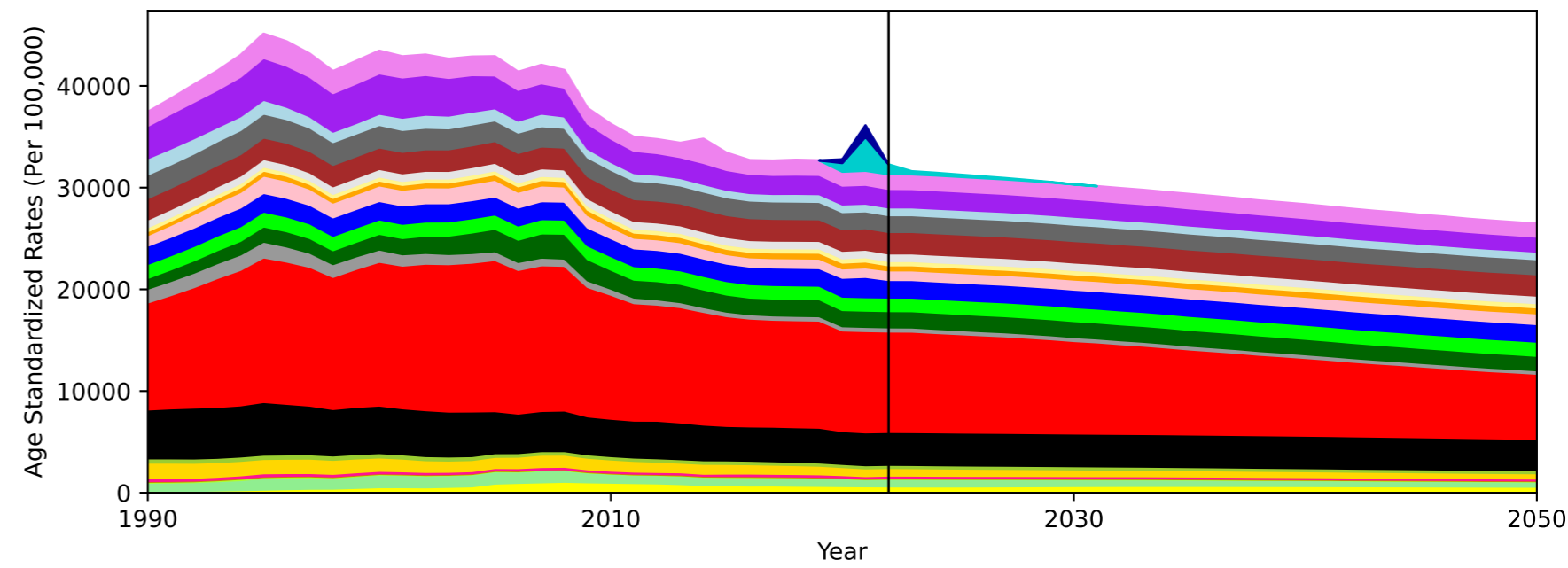


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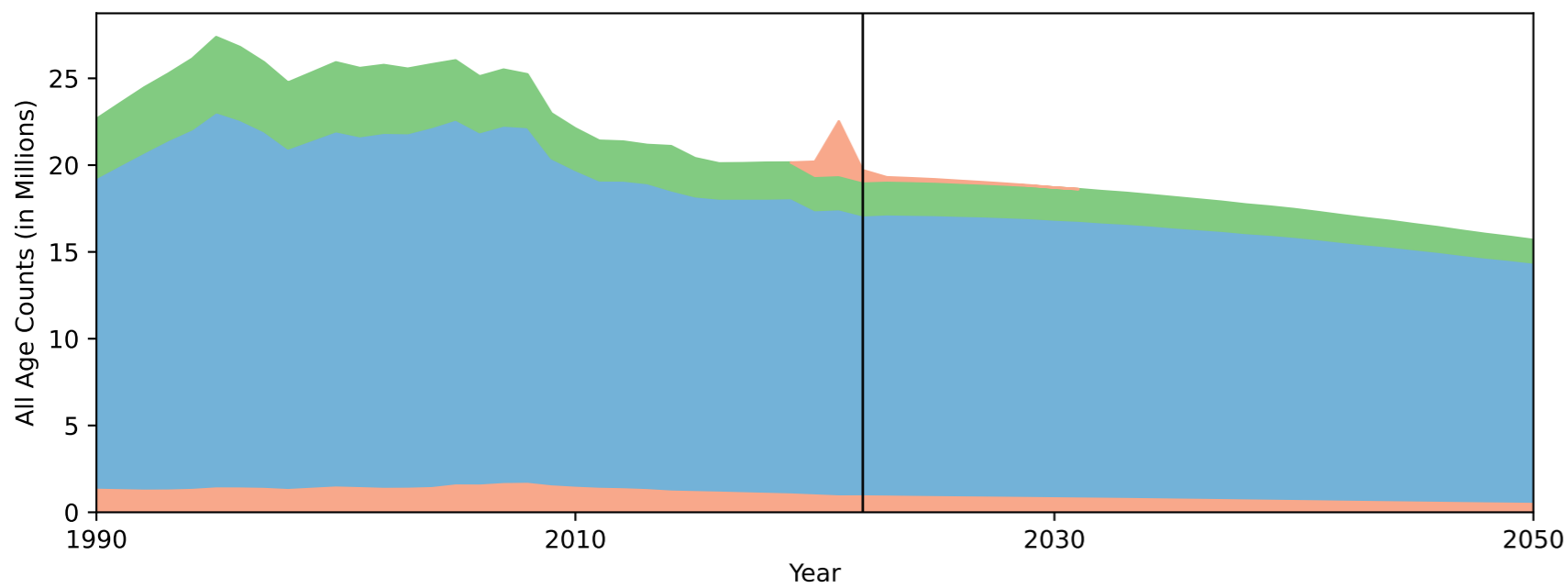
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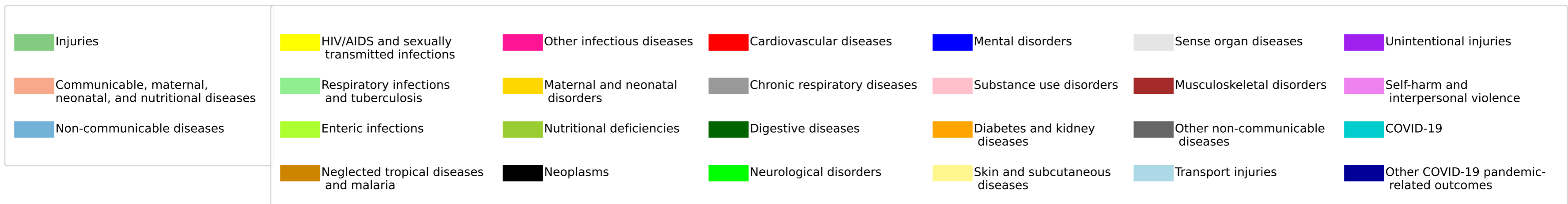
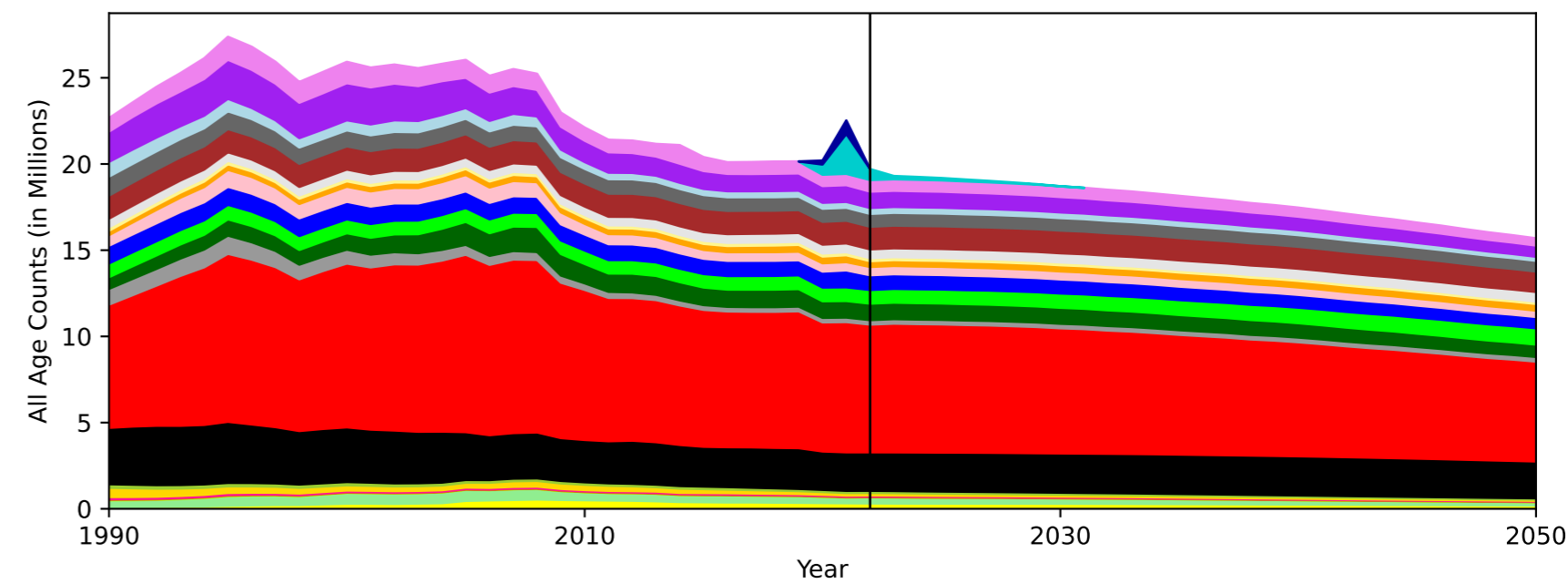
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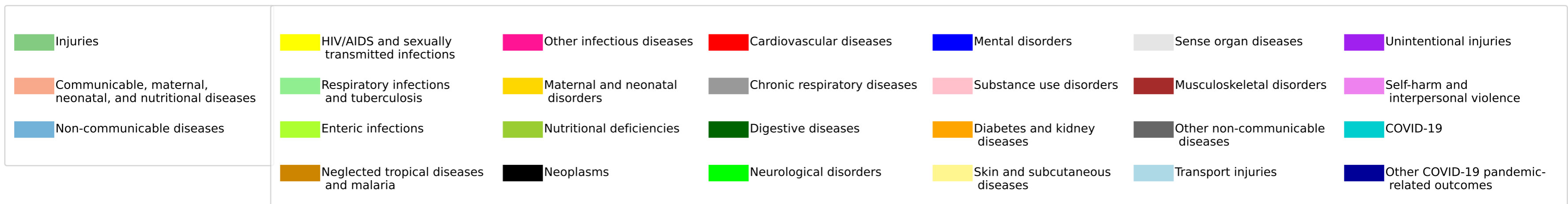
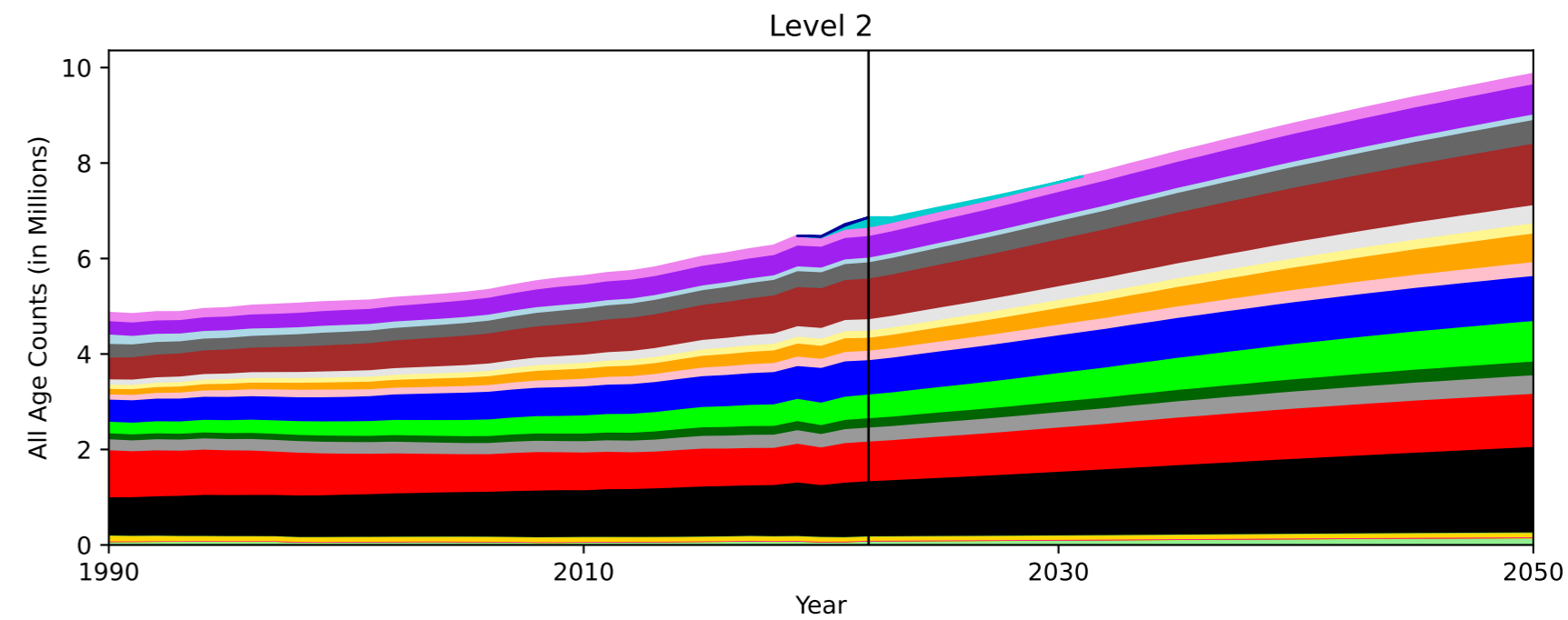
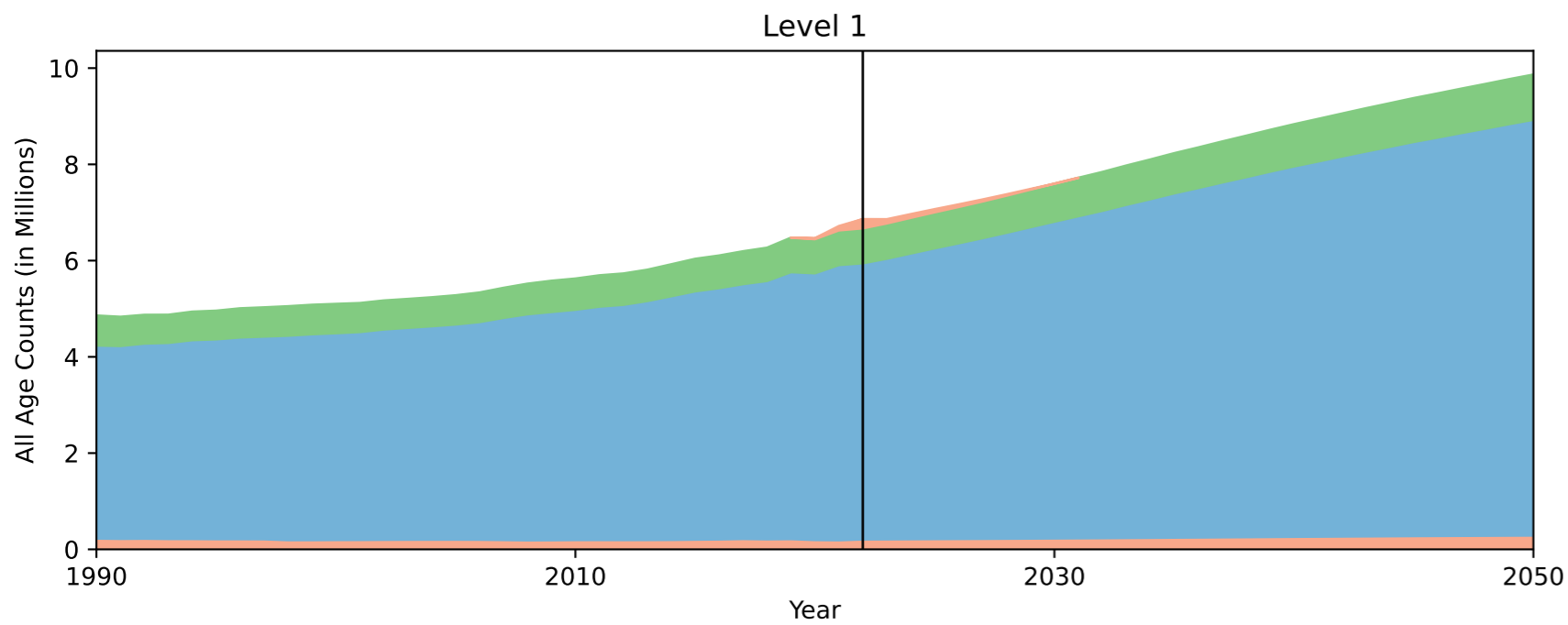
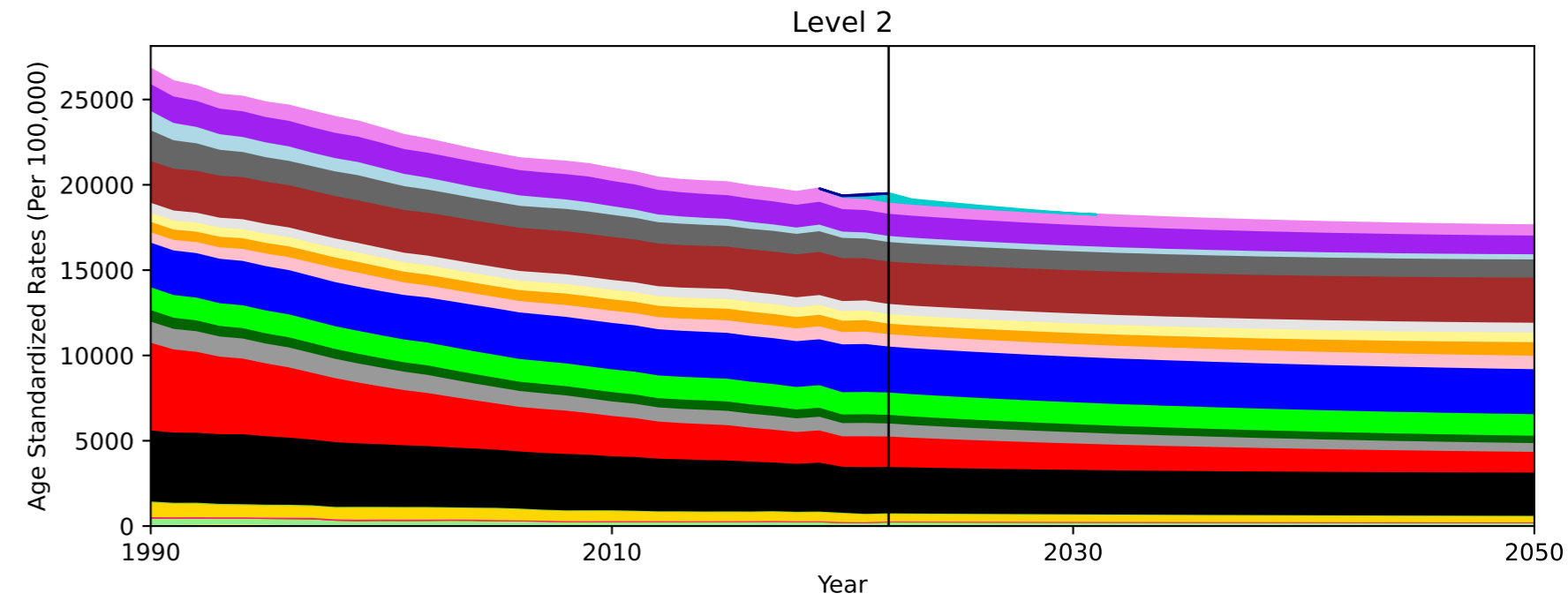
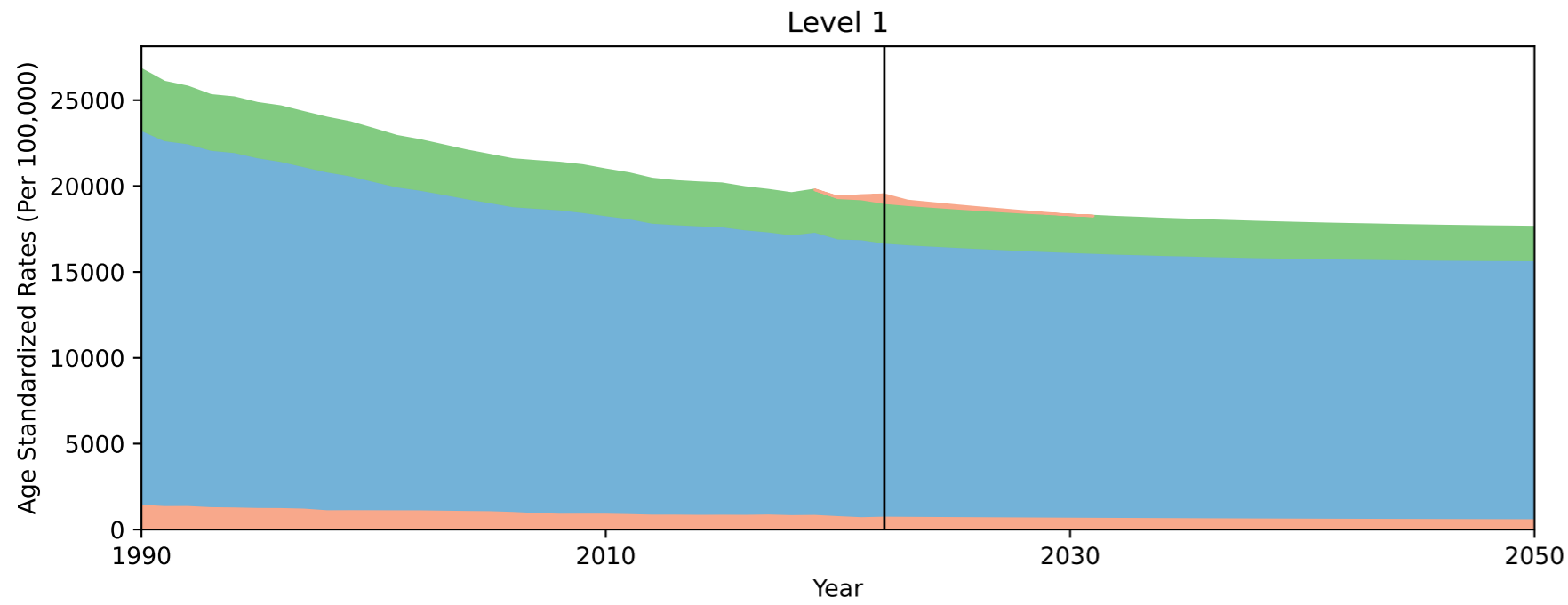
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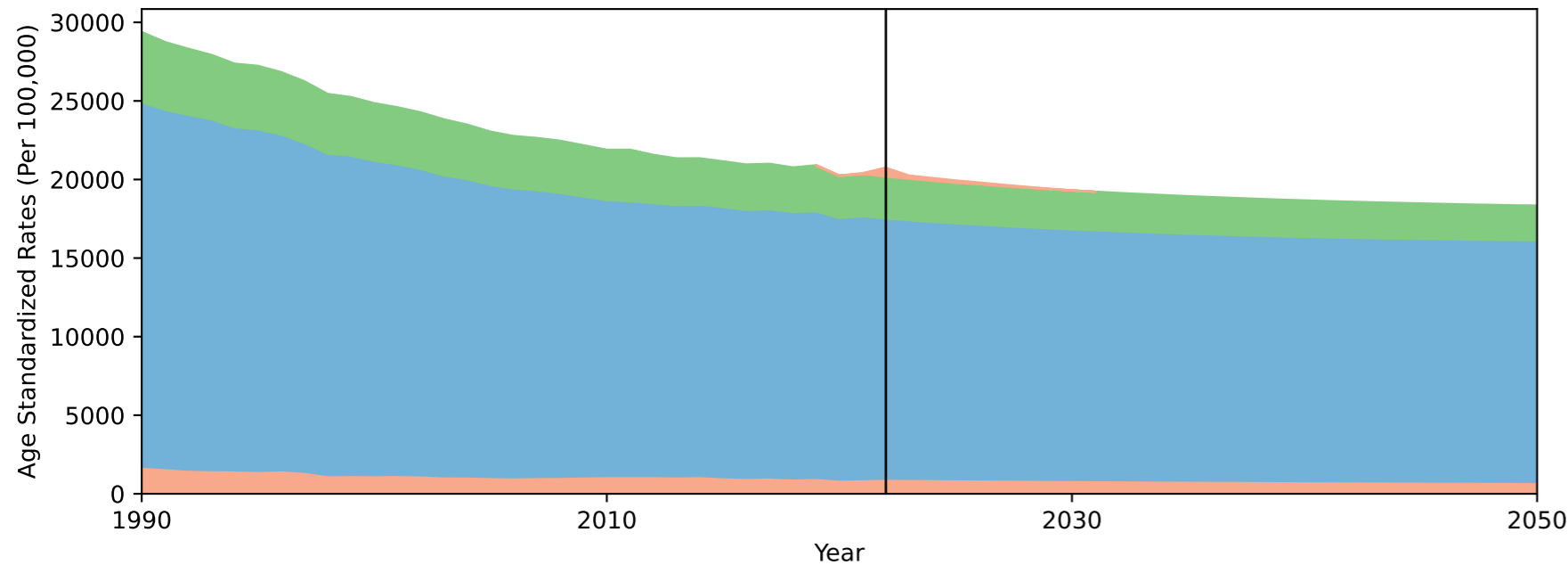


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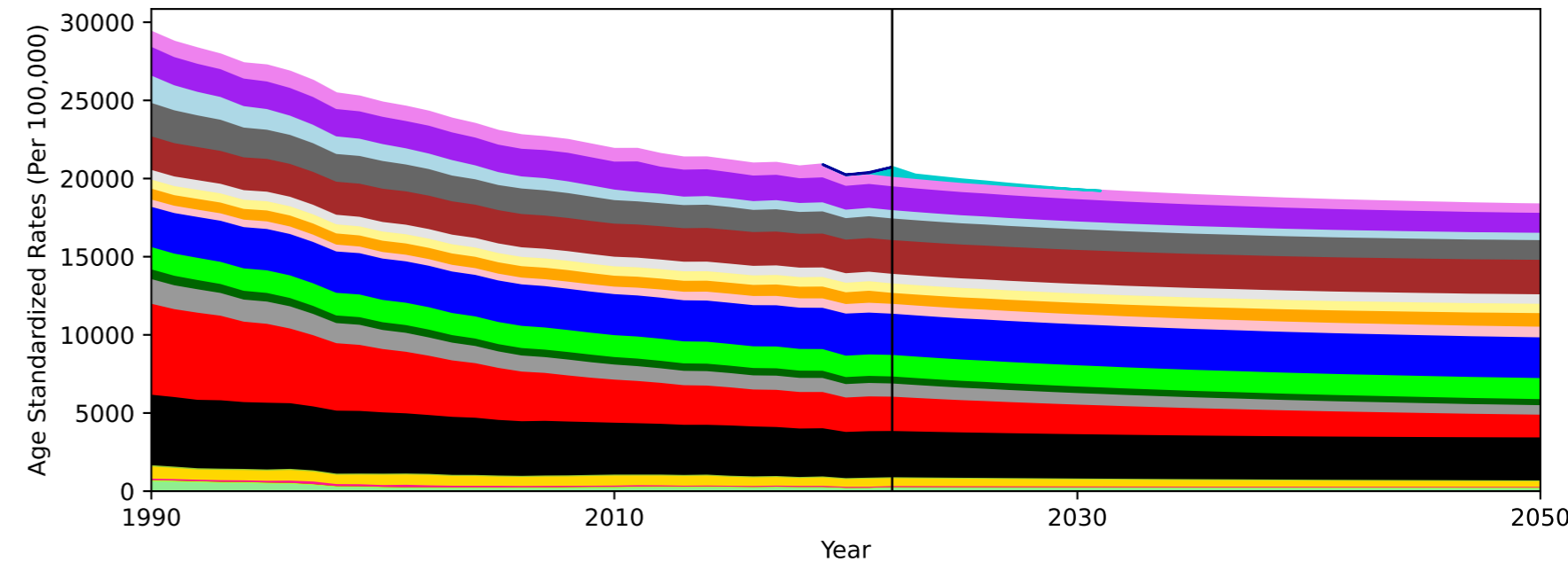


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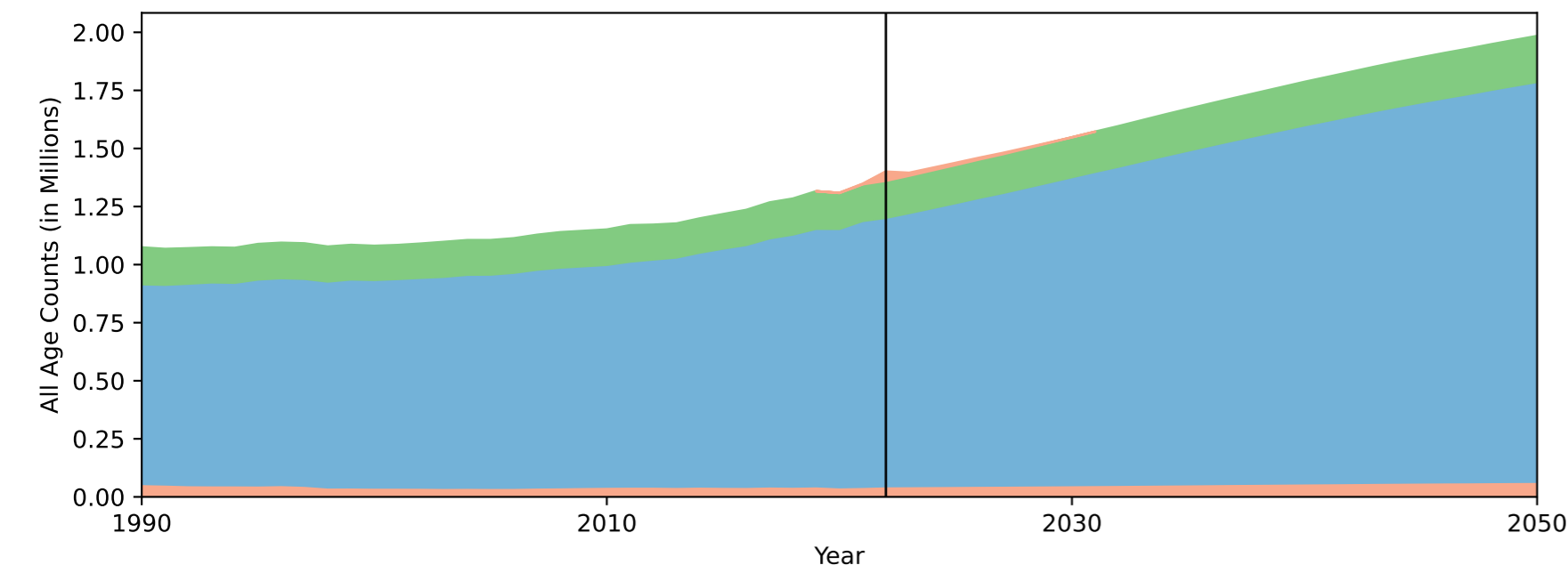
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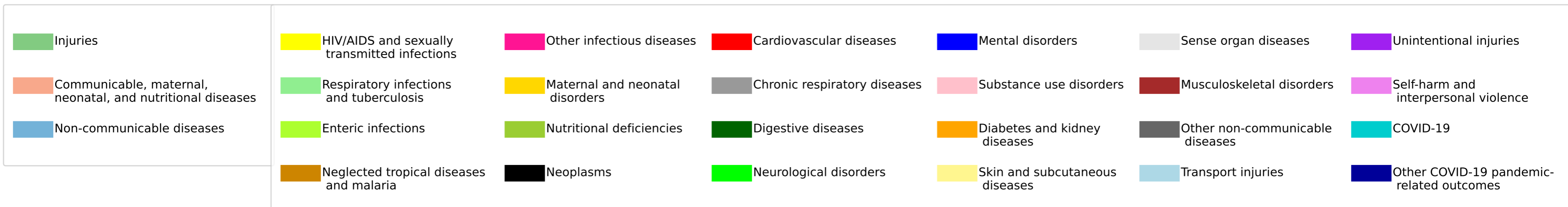
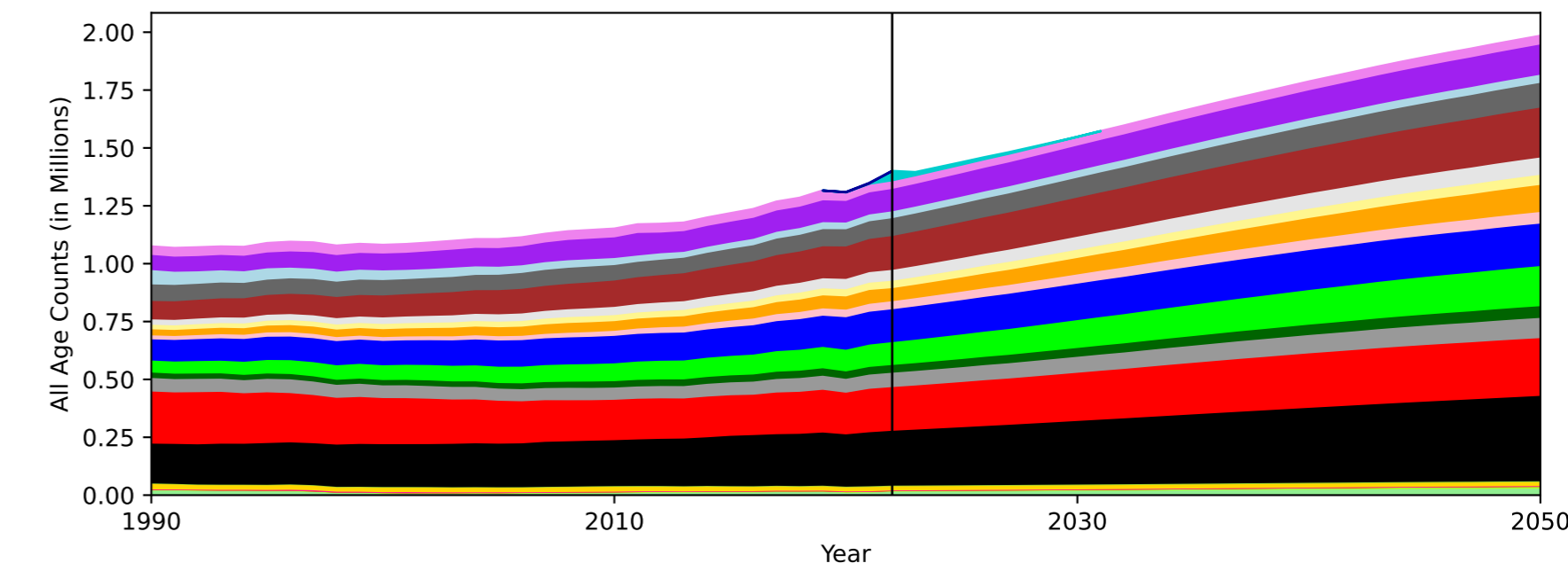
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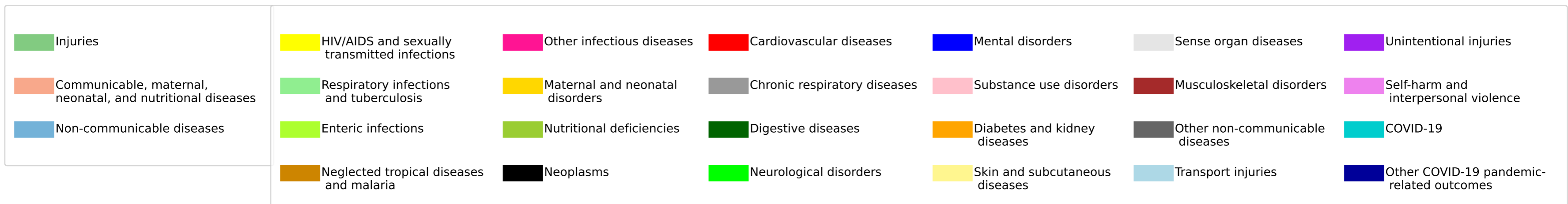
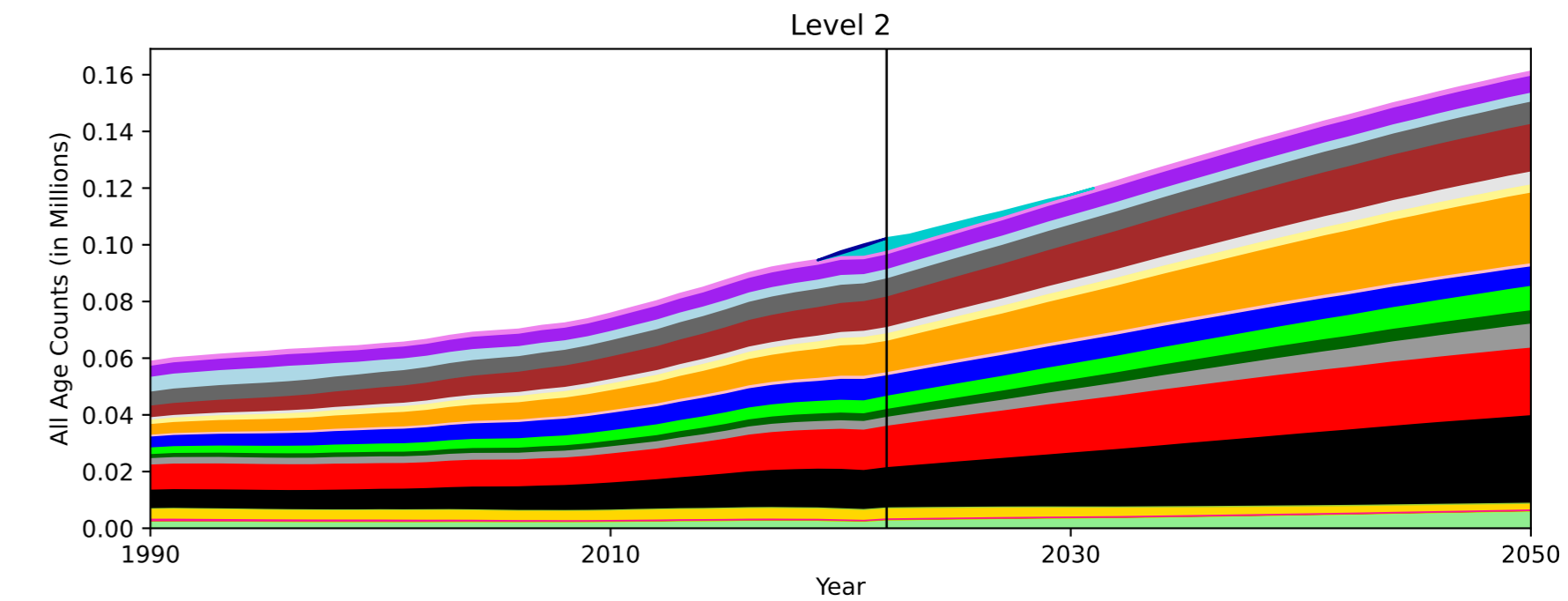
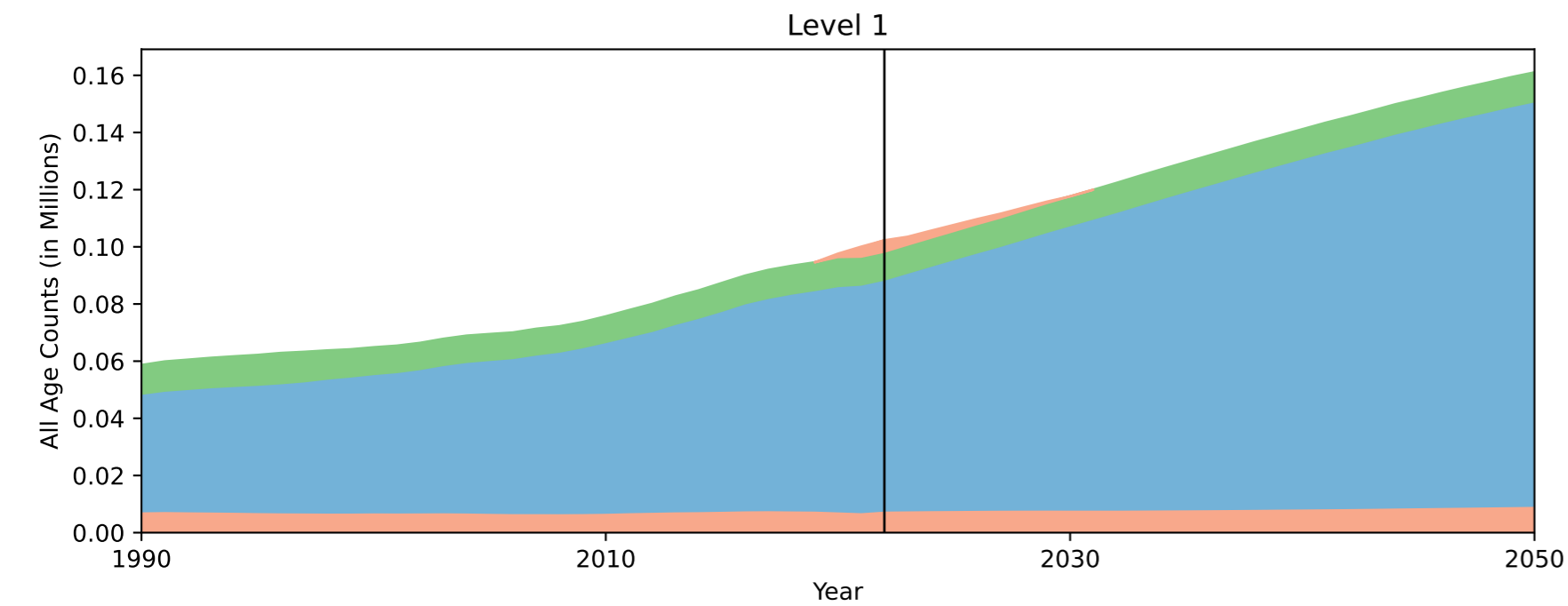
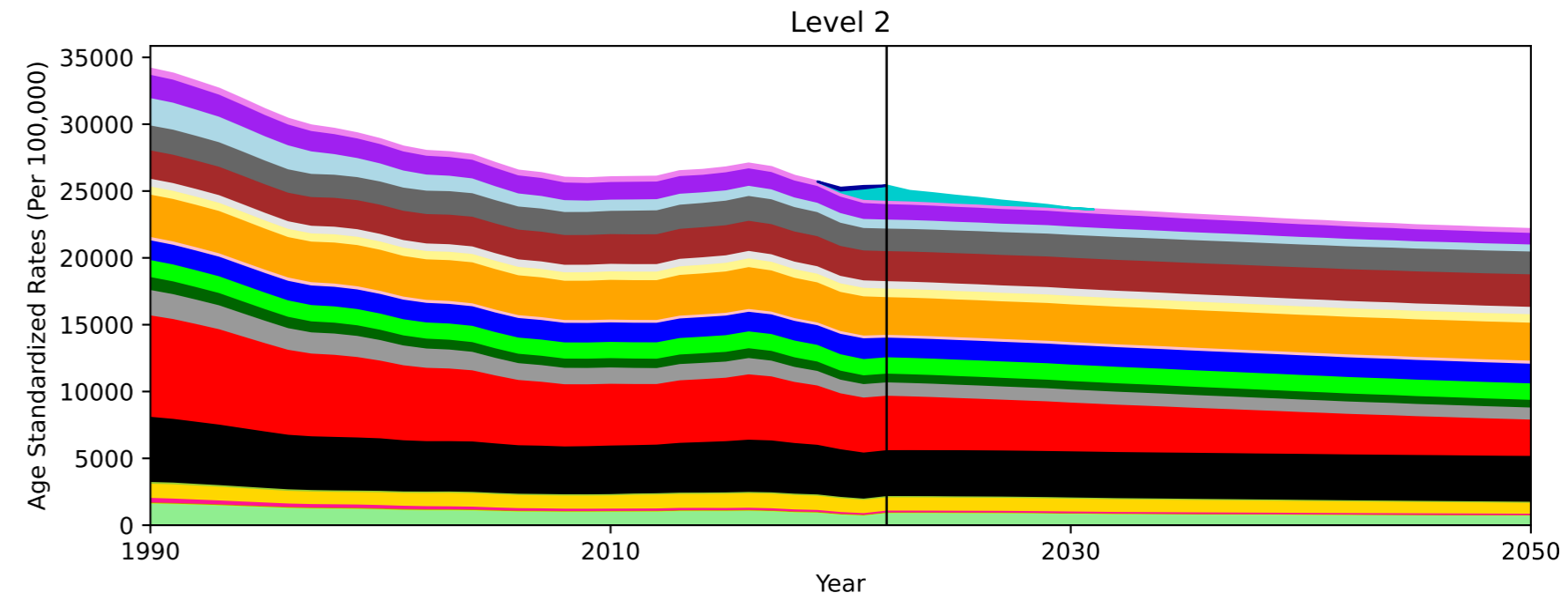
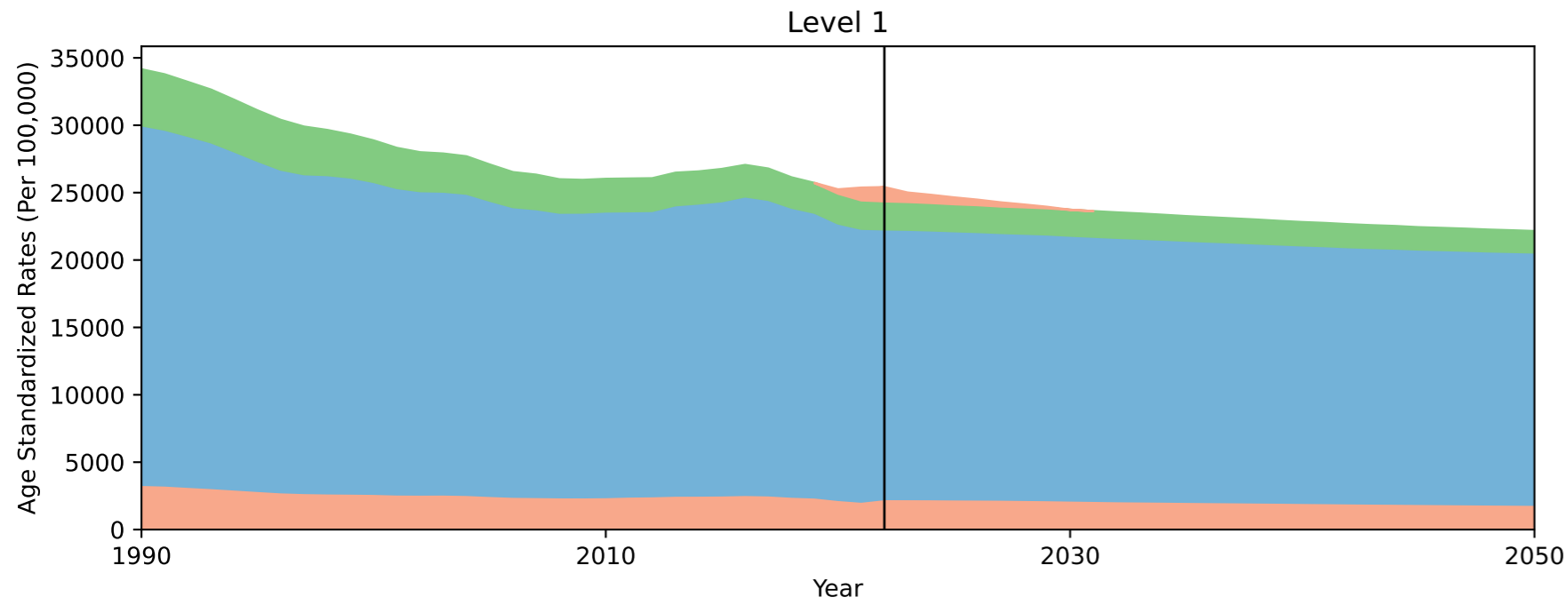


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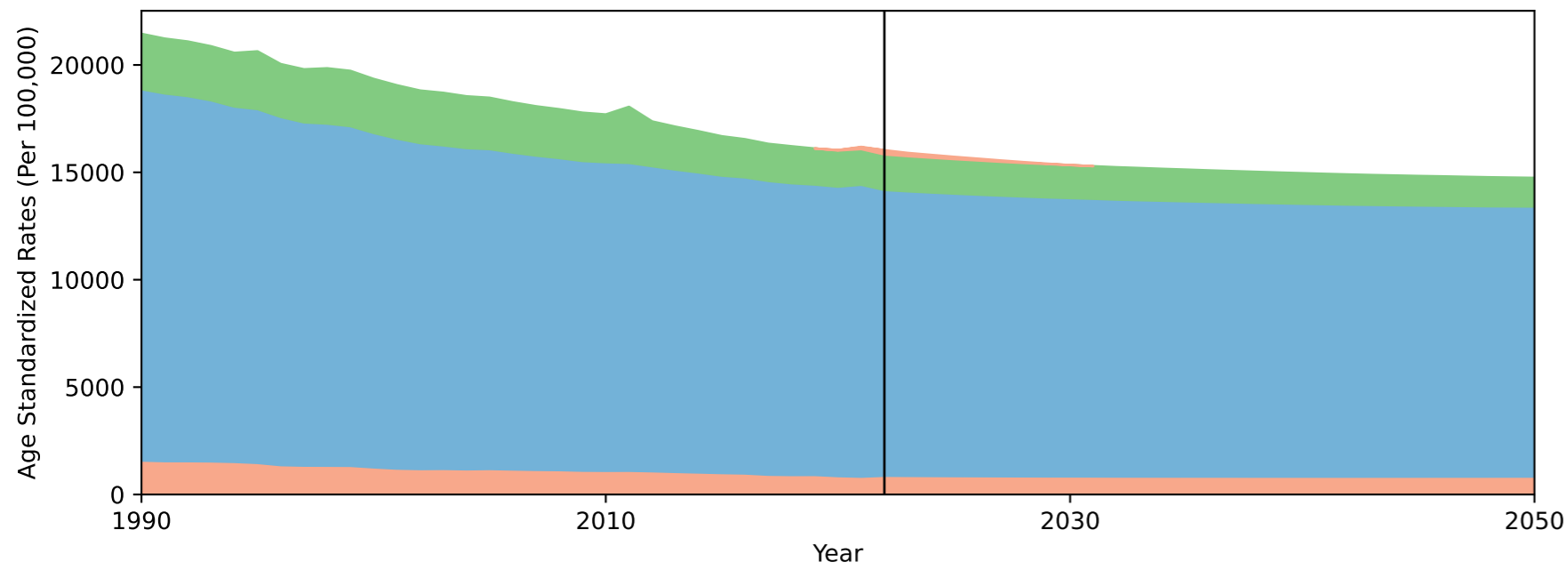


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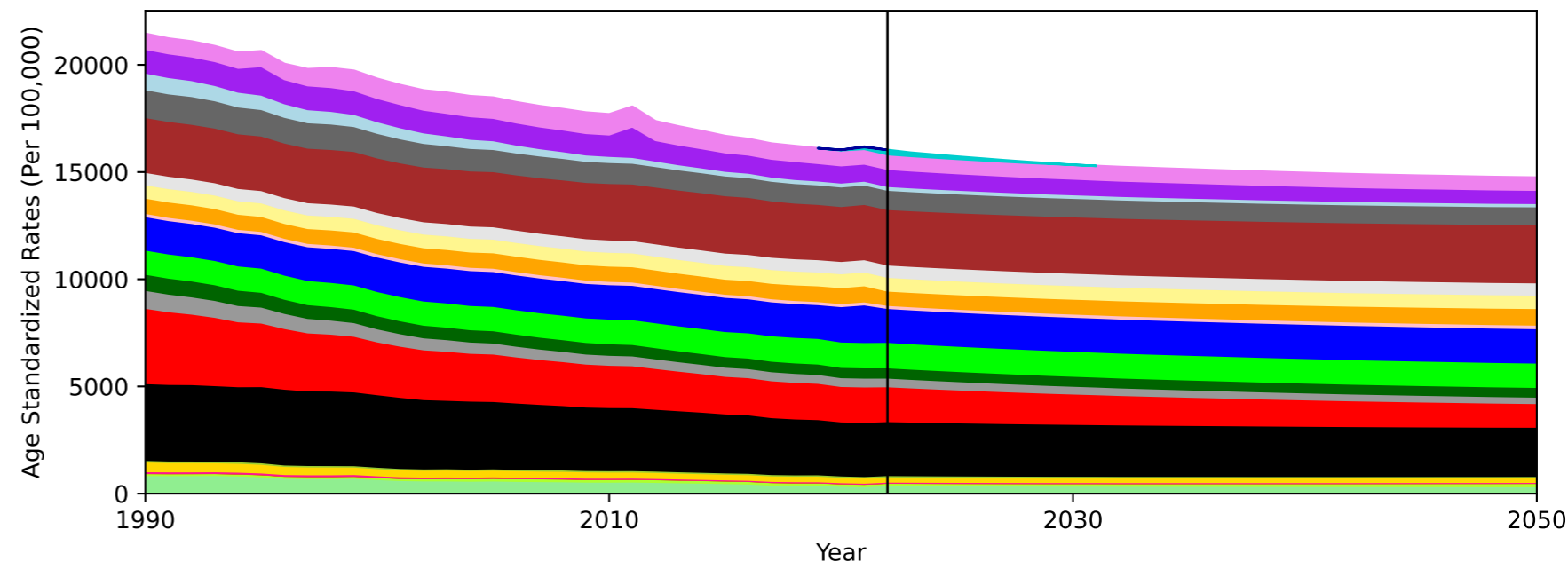




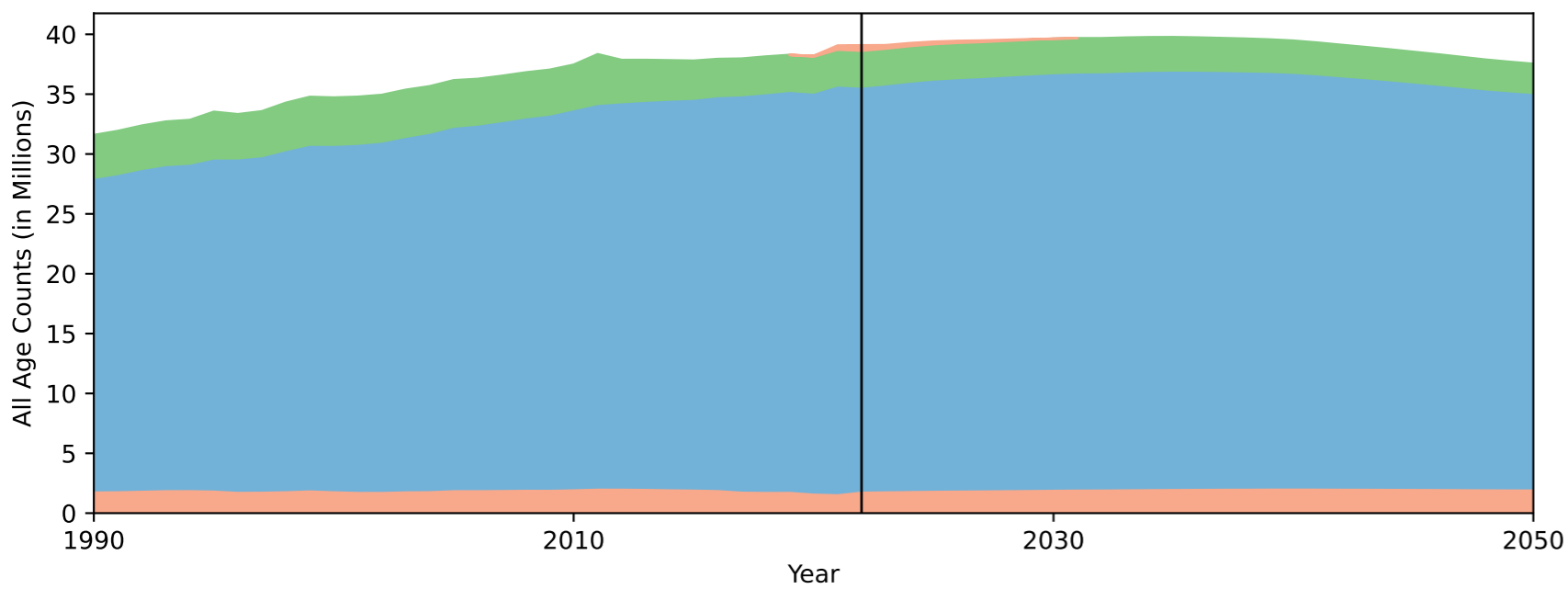
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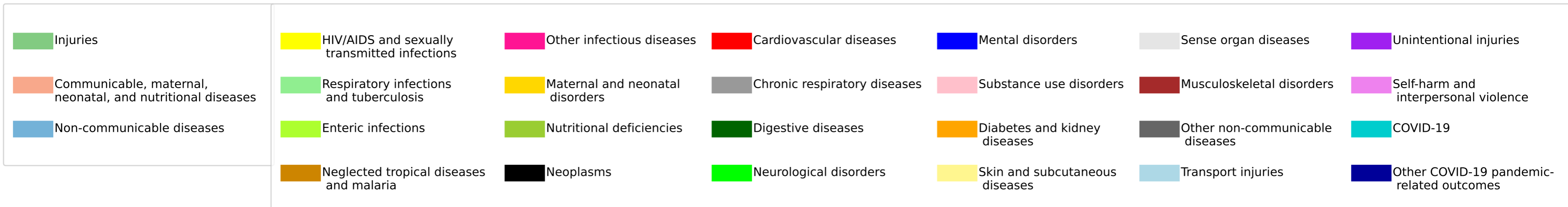
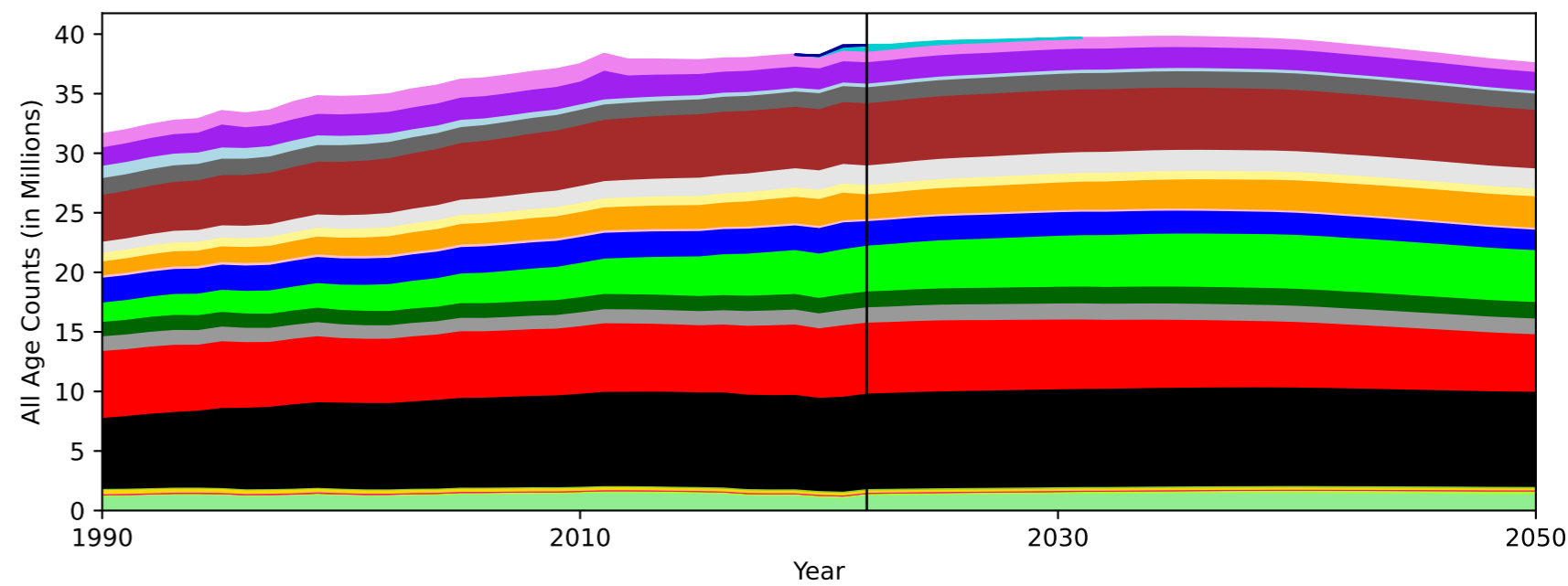
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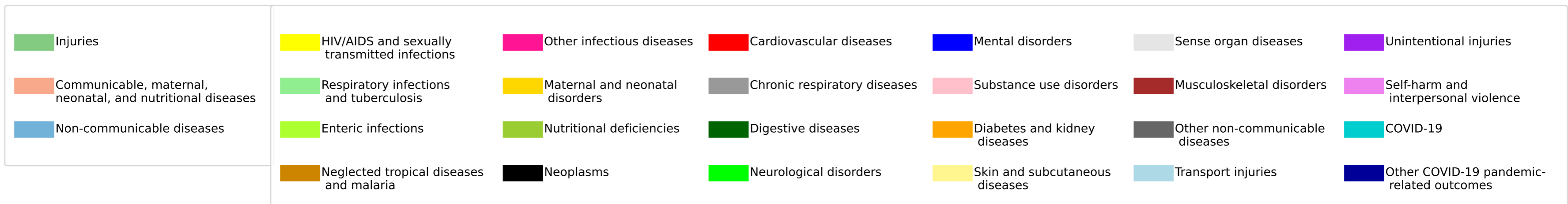
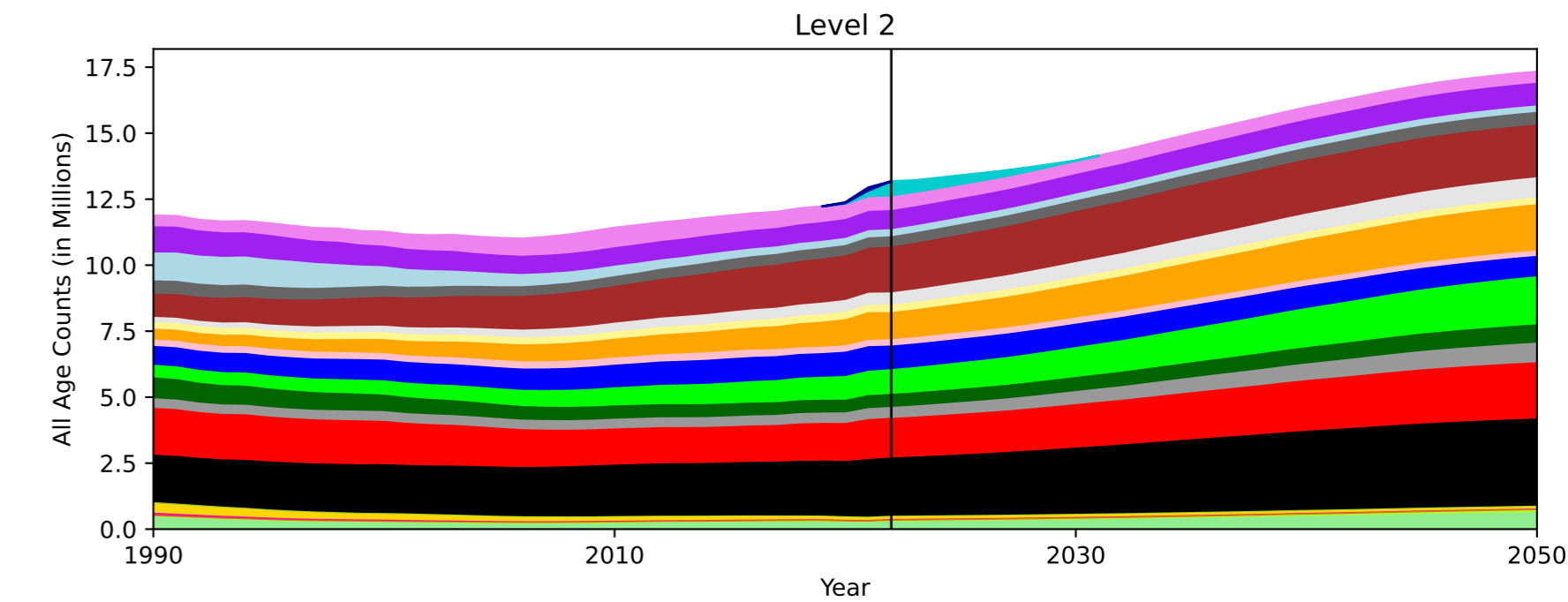
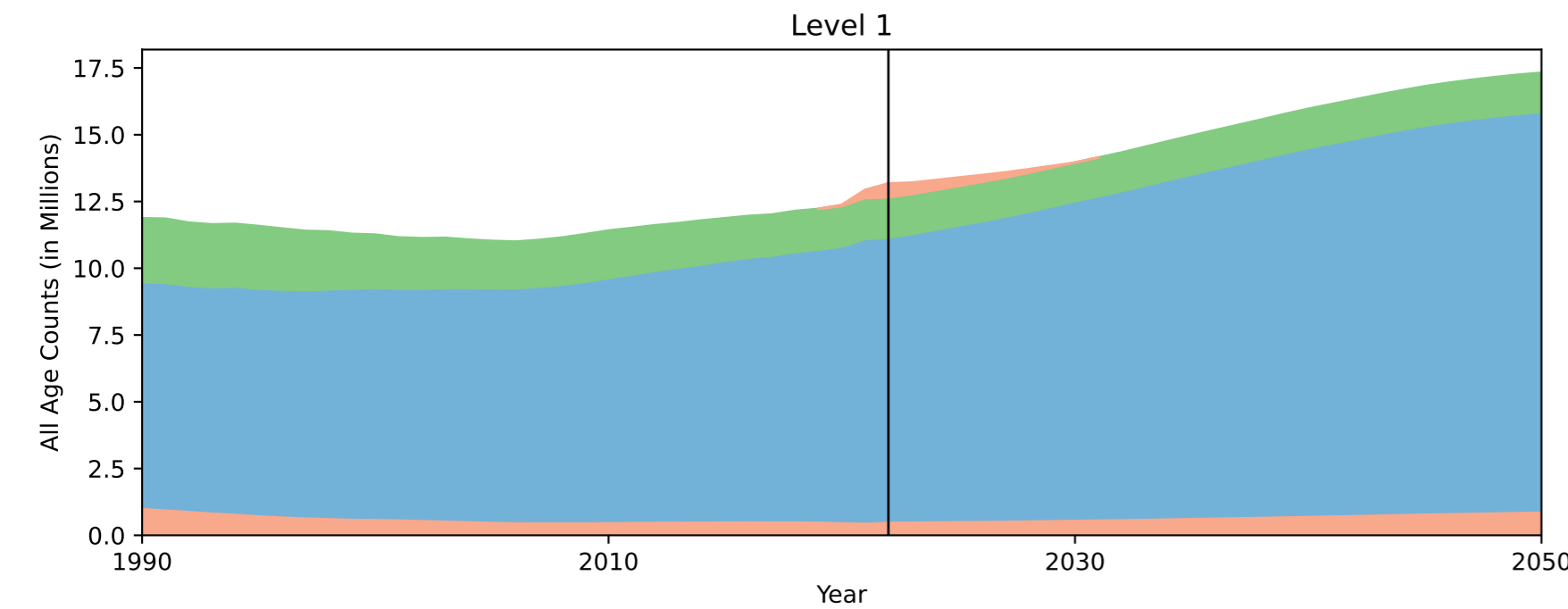
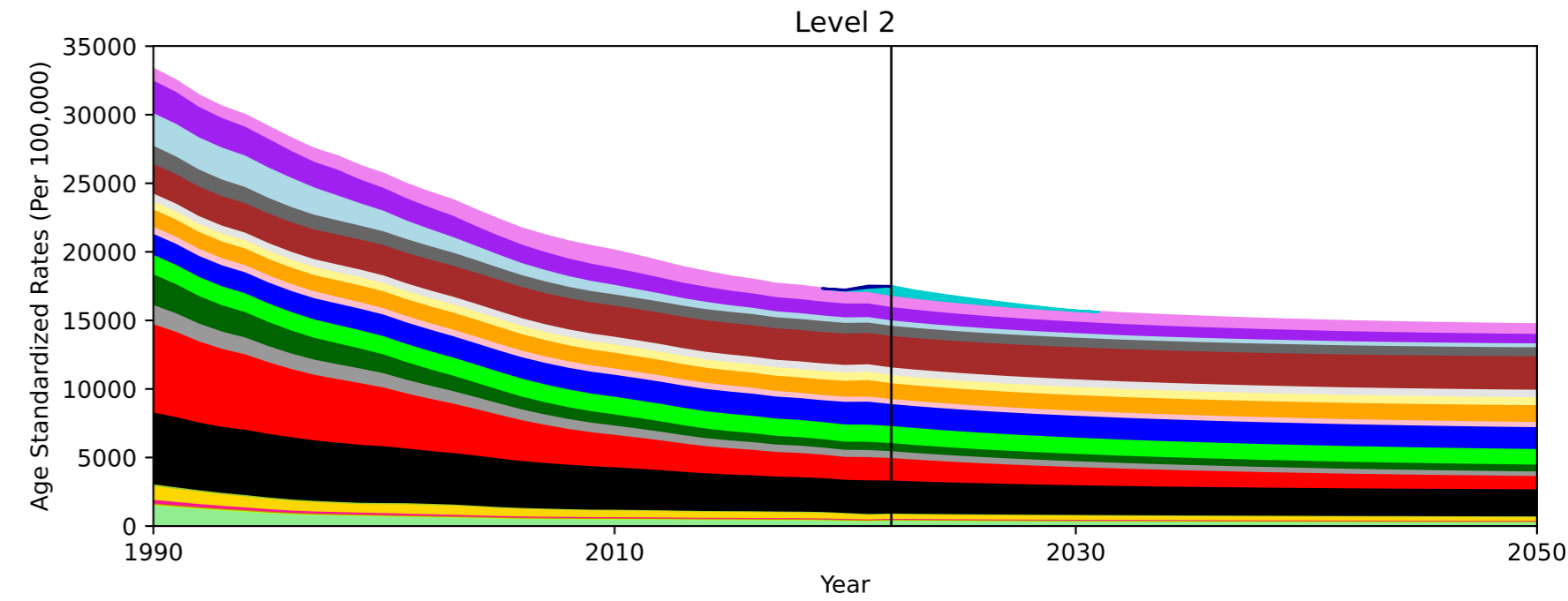
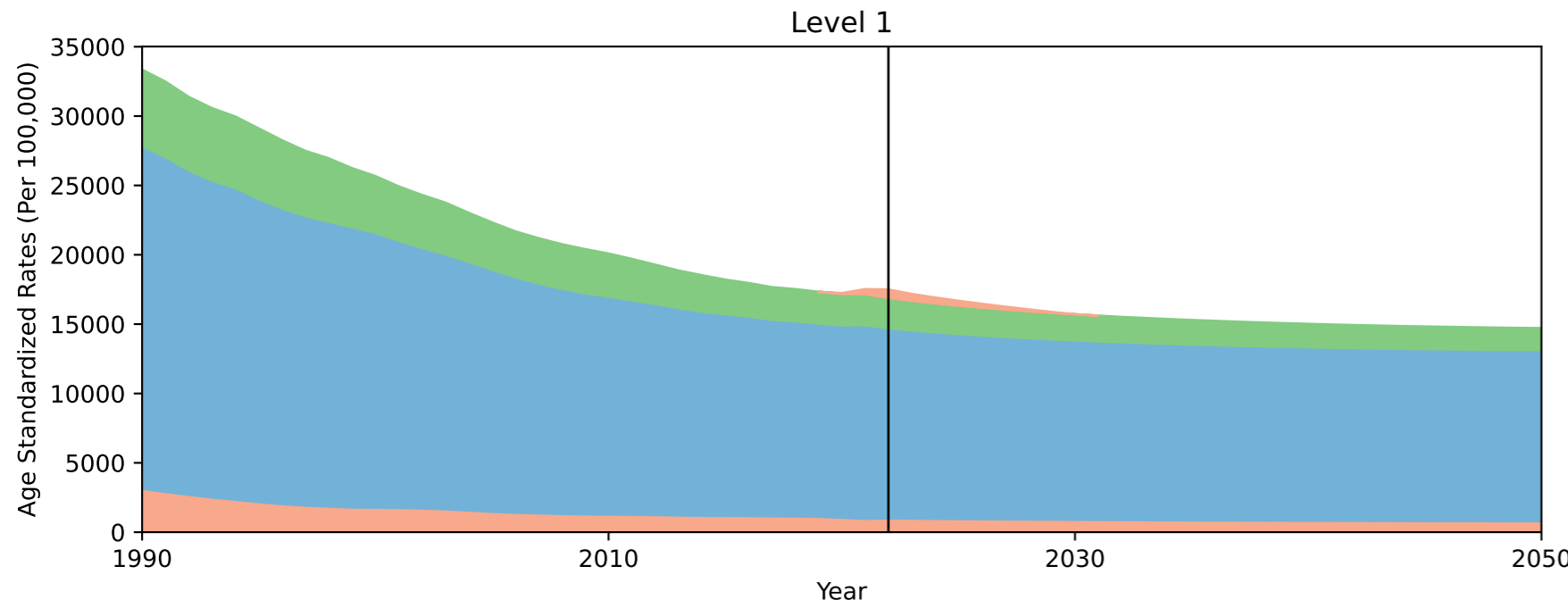
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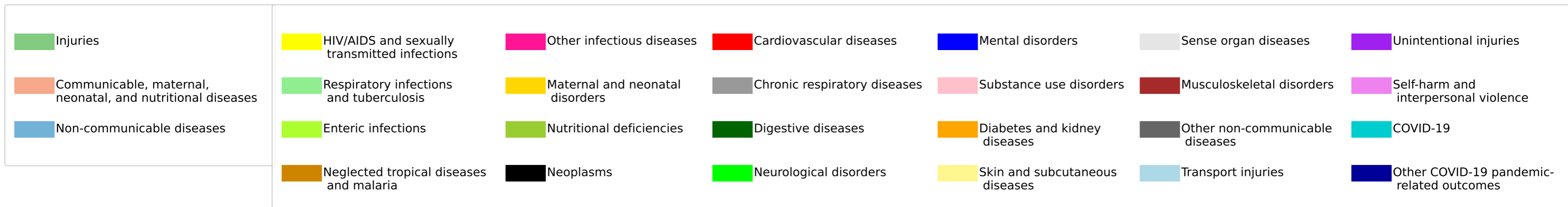
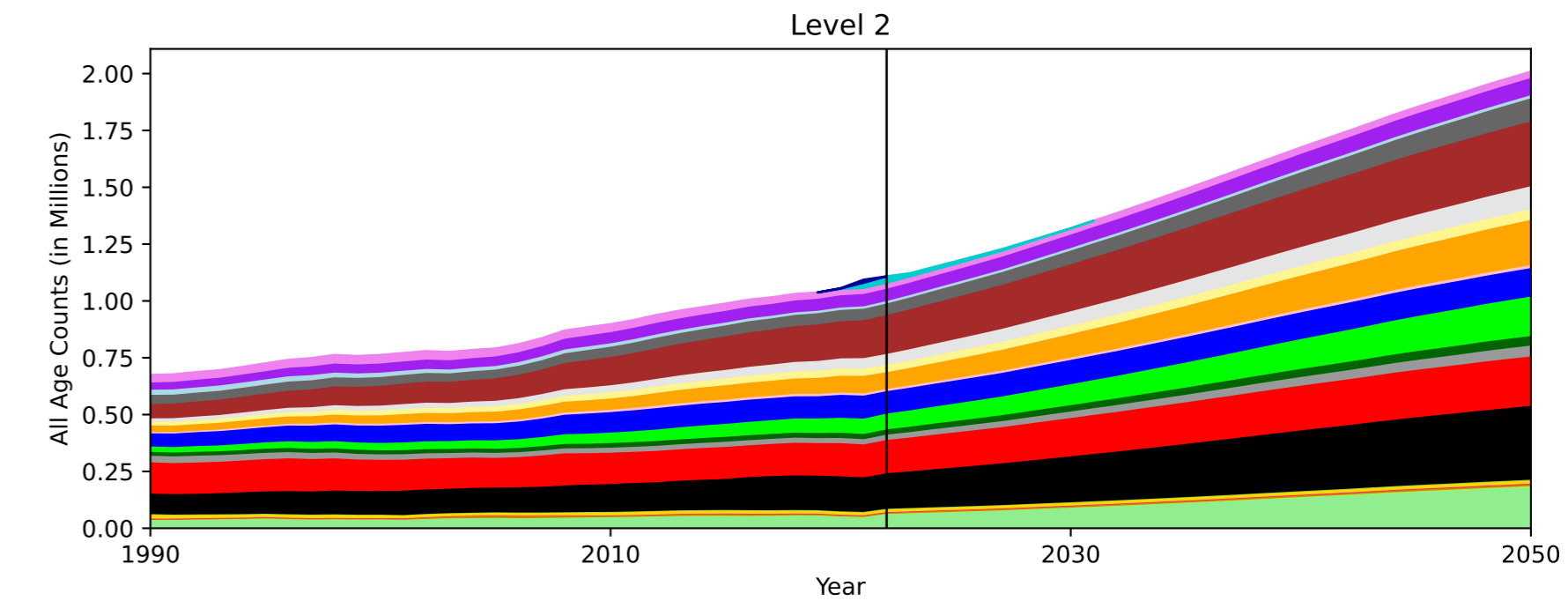
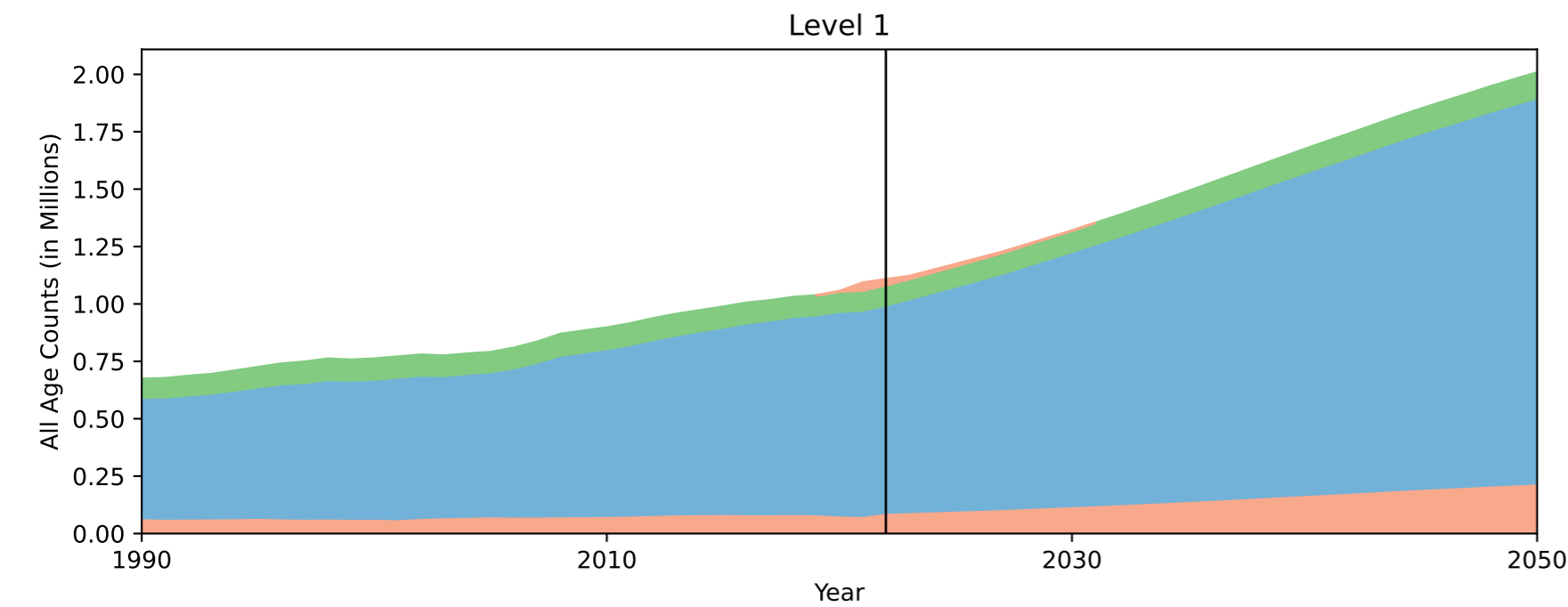
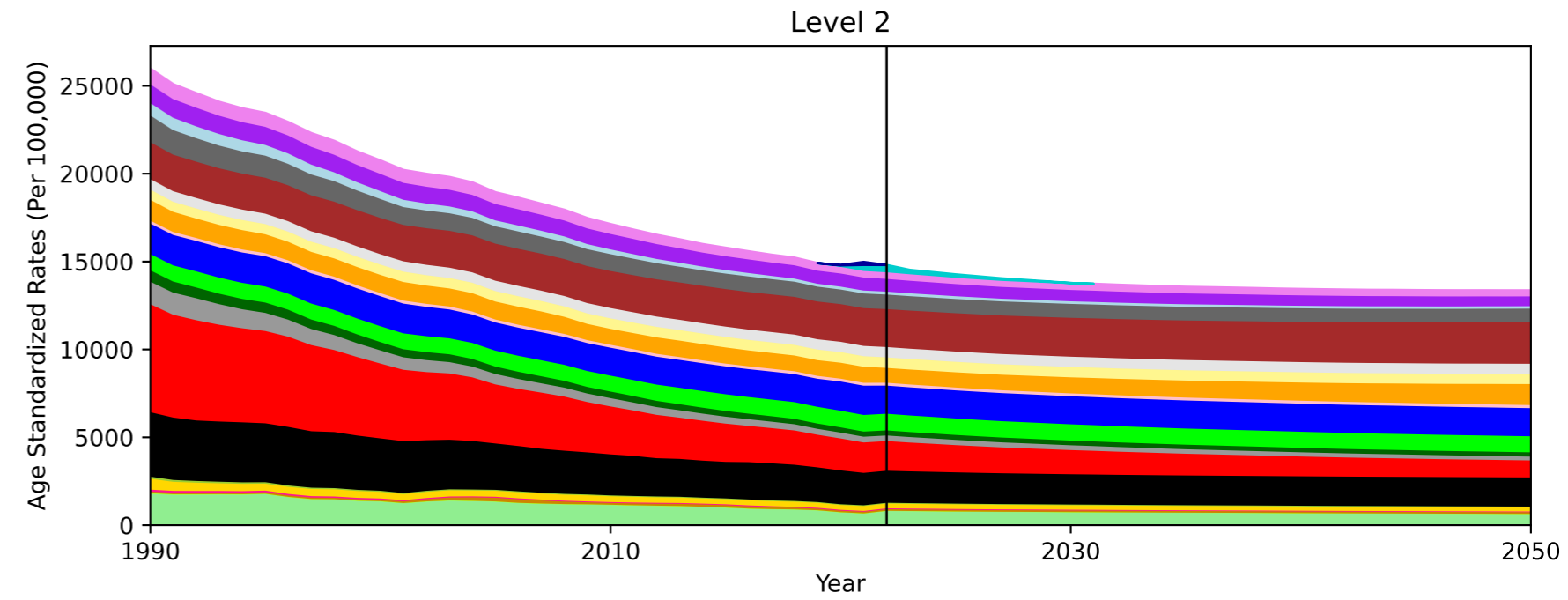
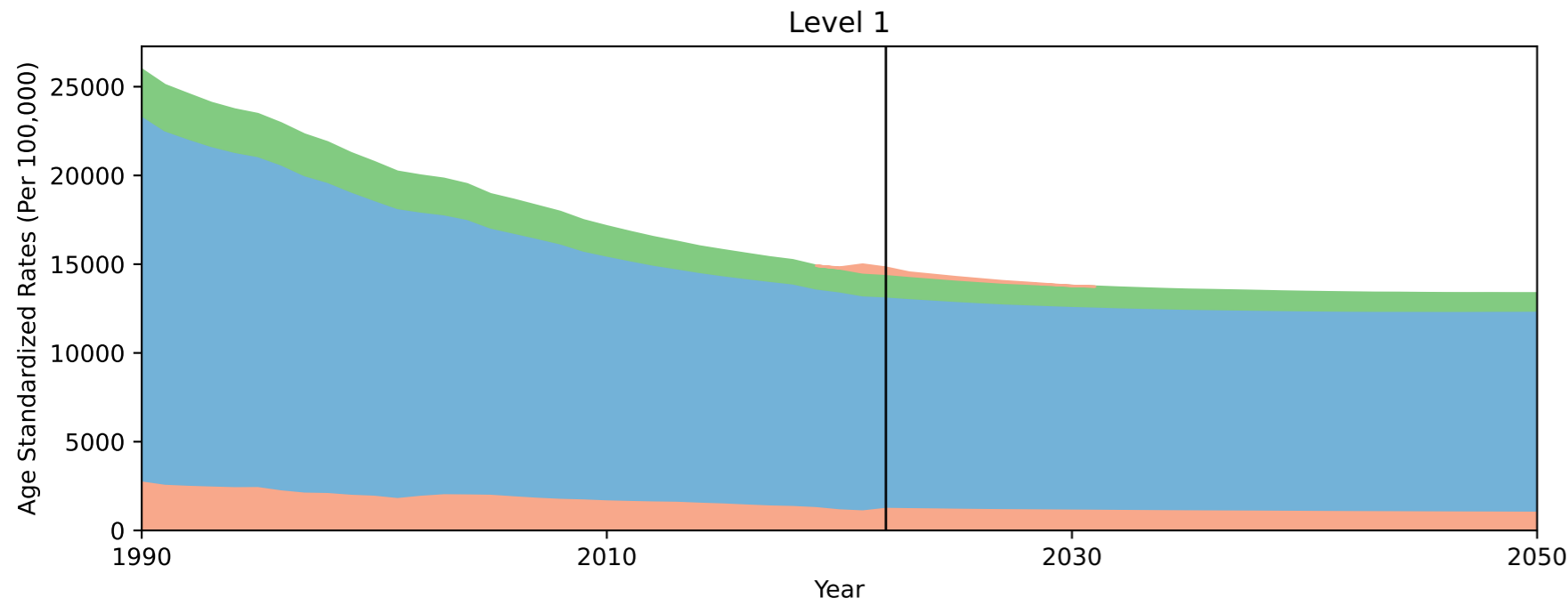
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# South Korea



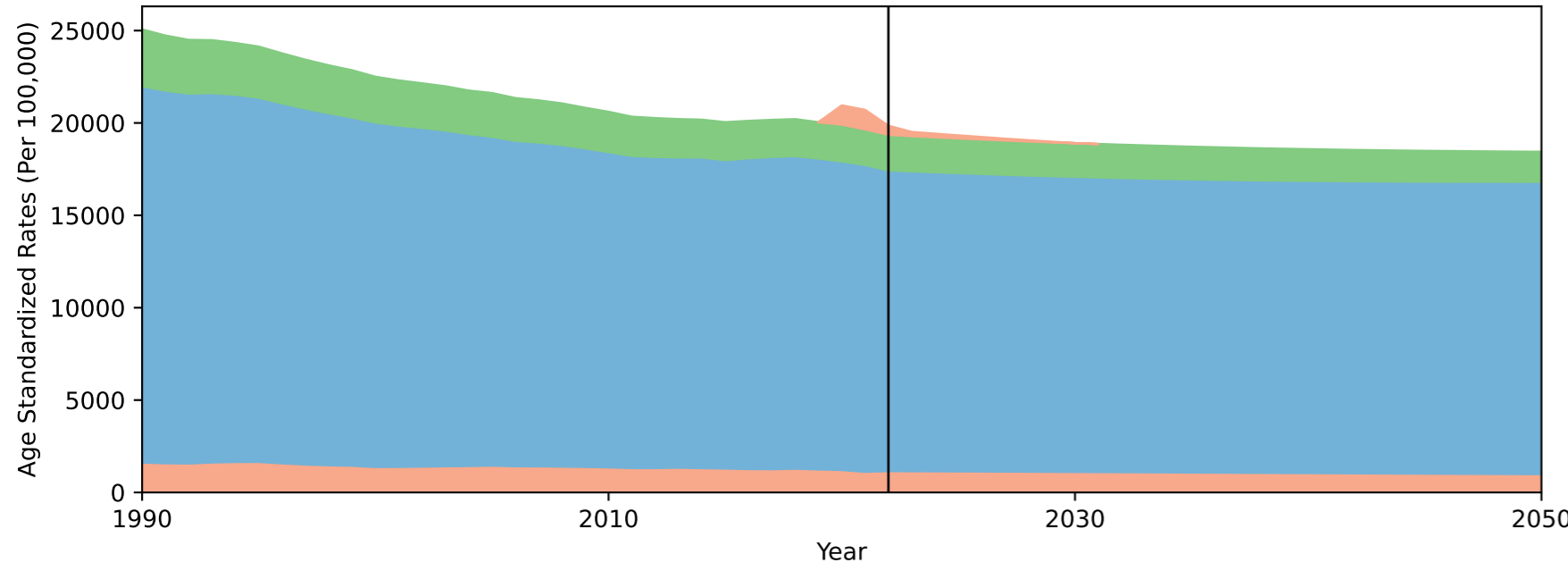
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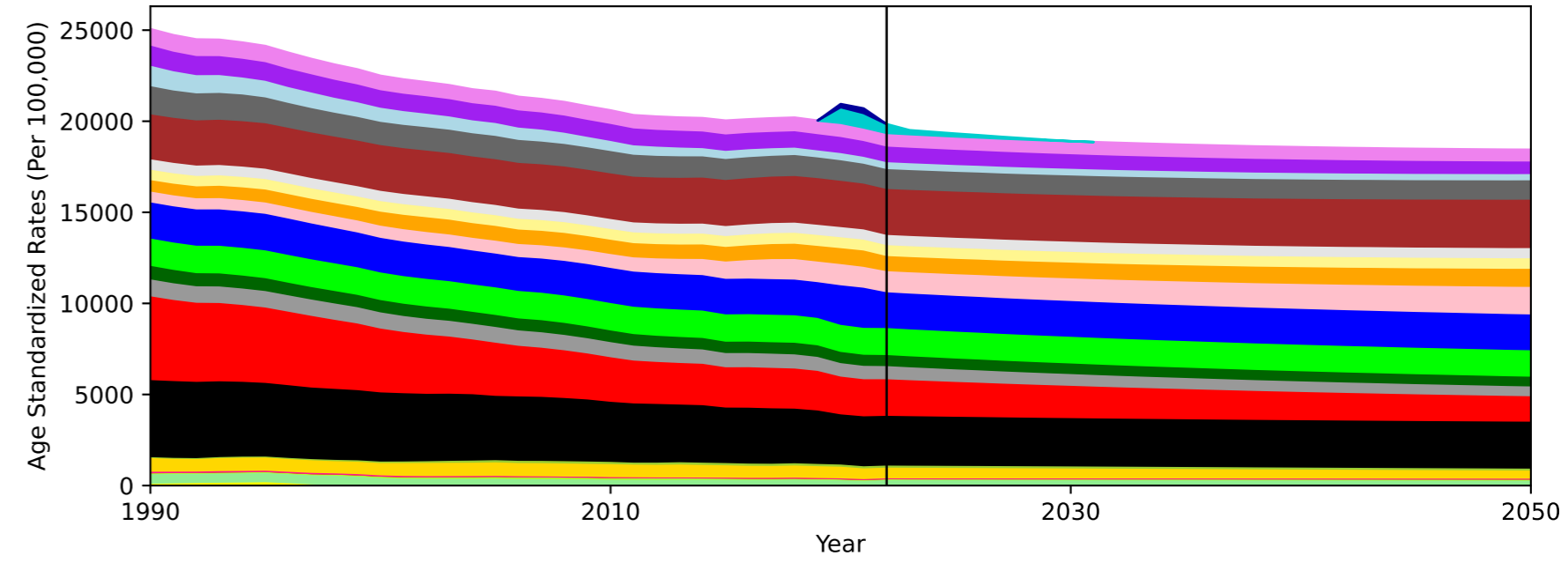


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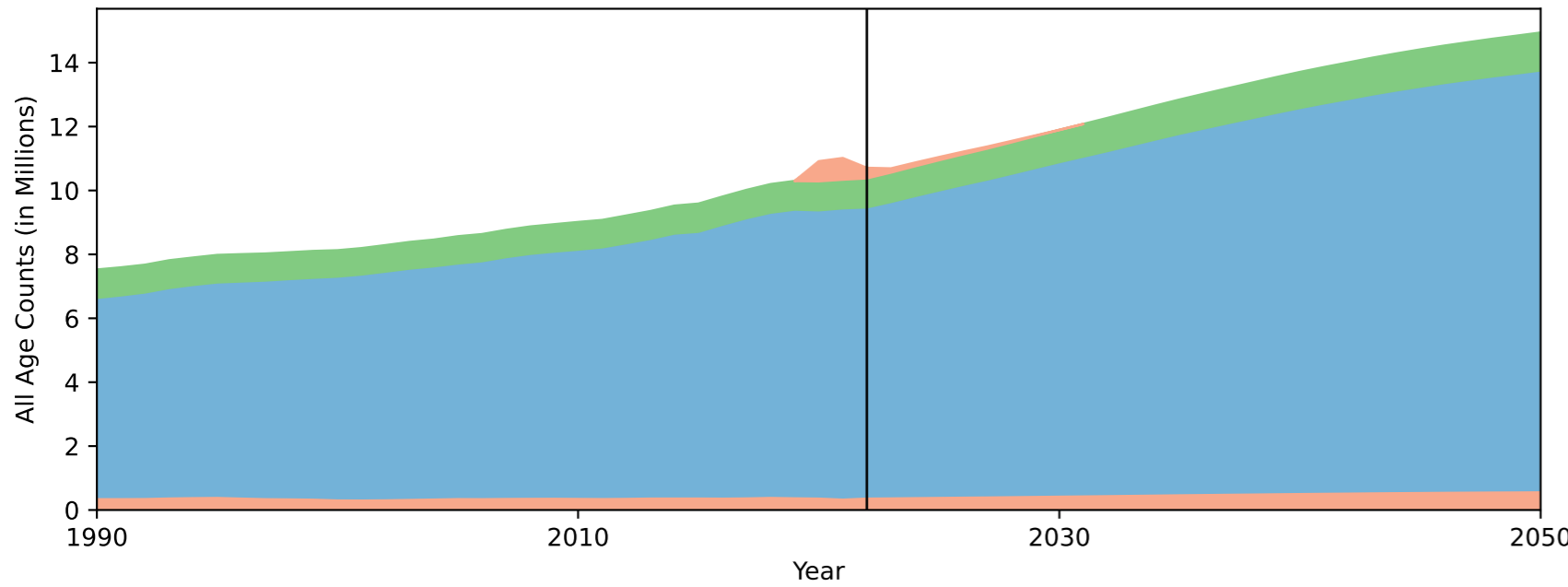
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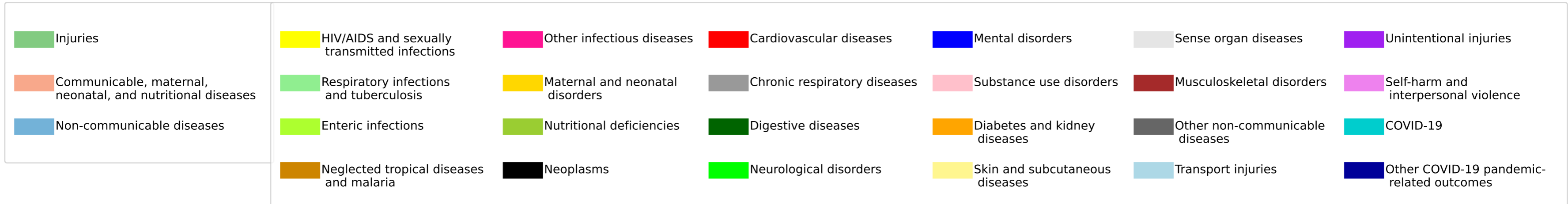
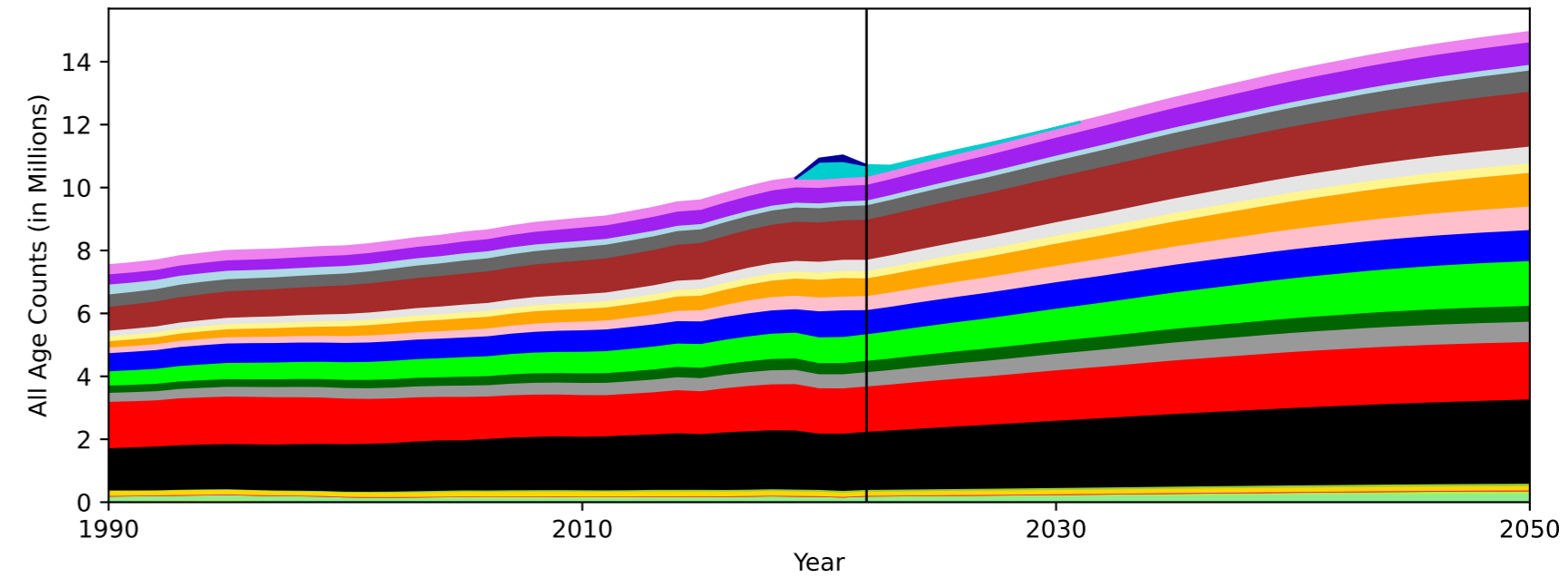
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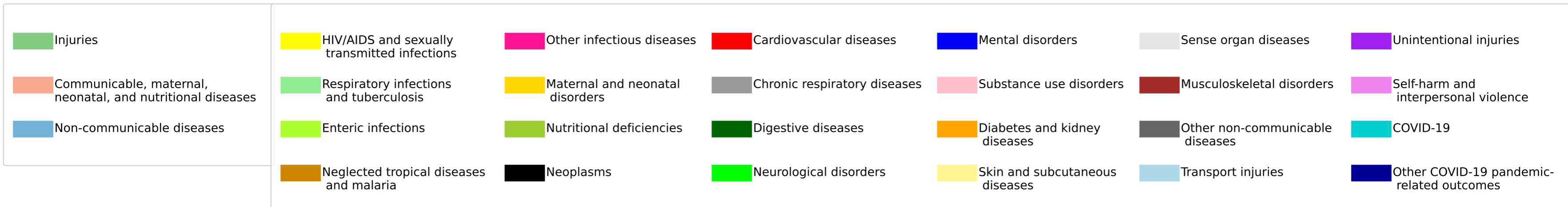
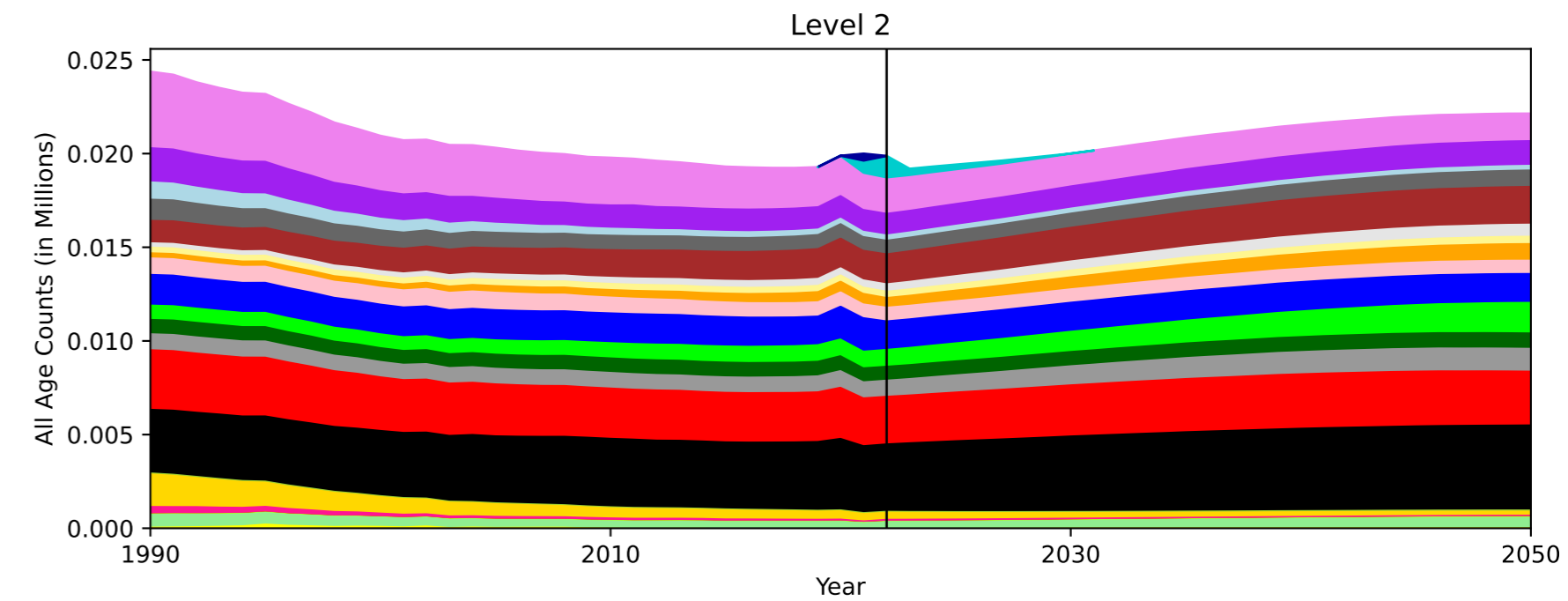
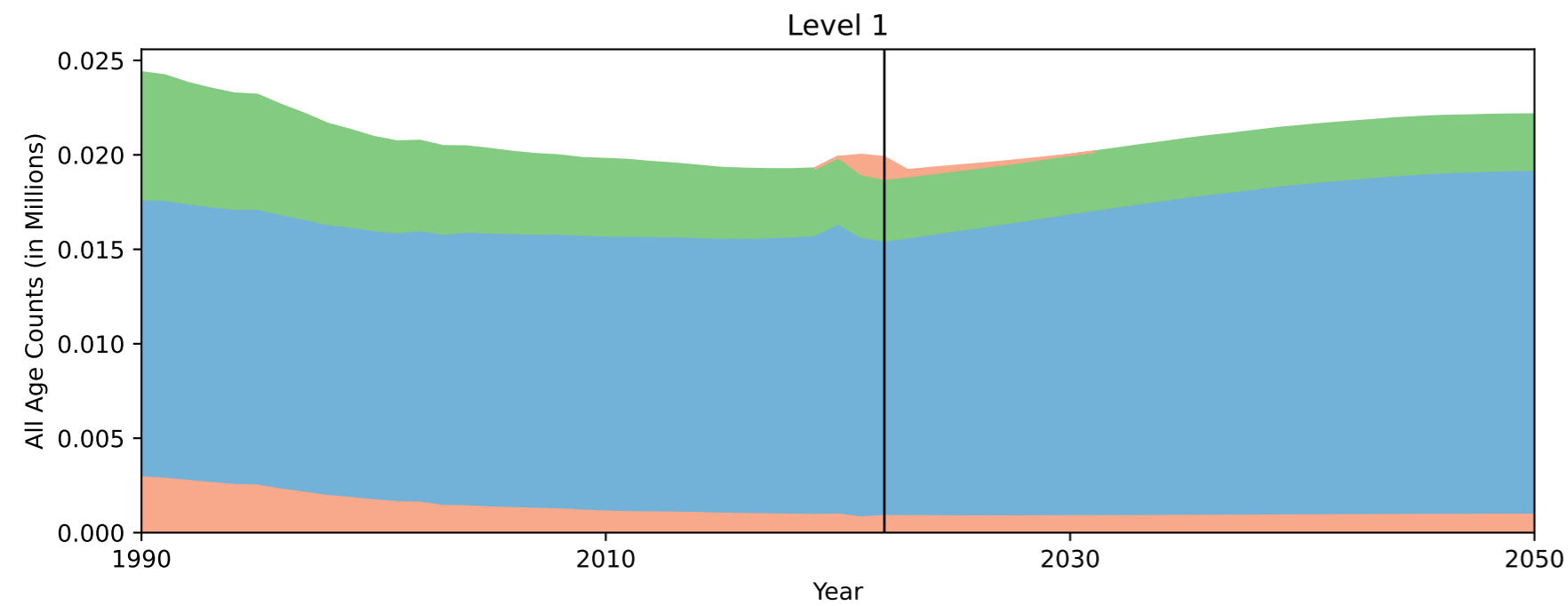
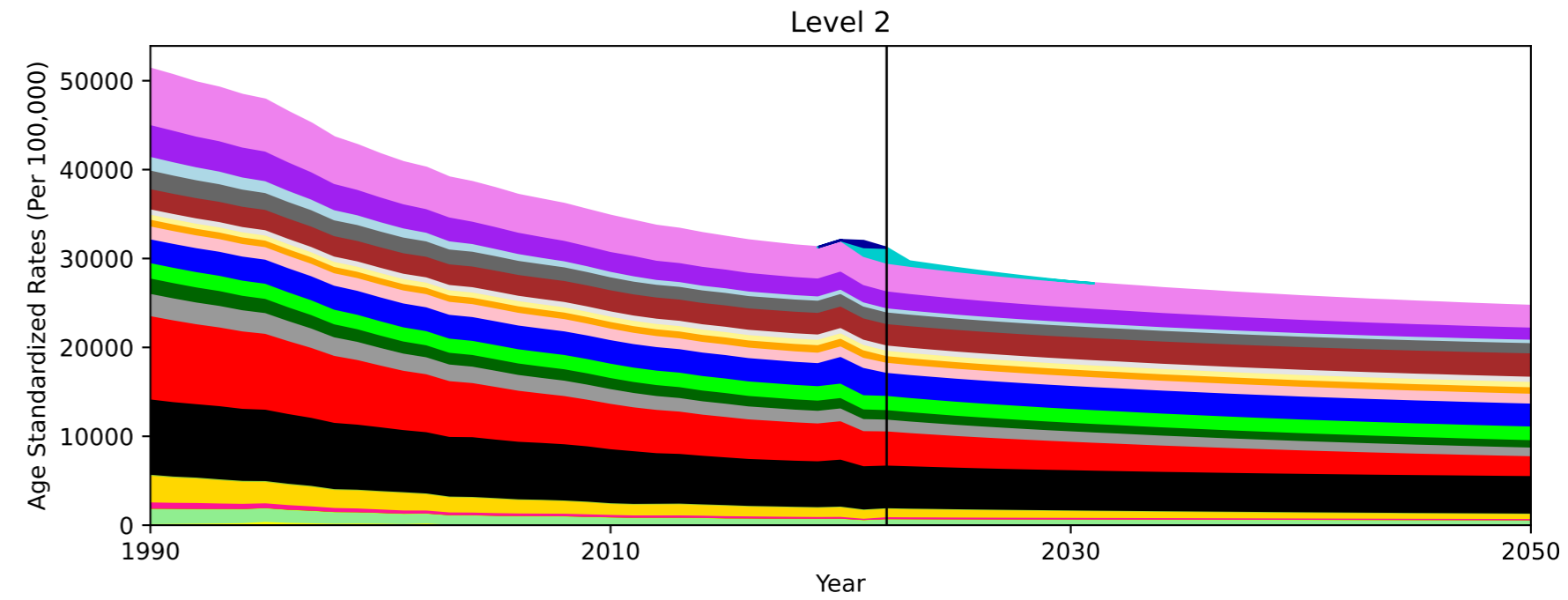
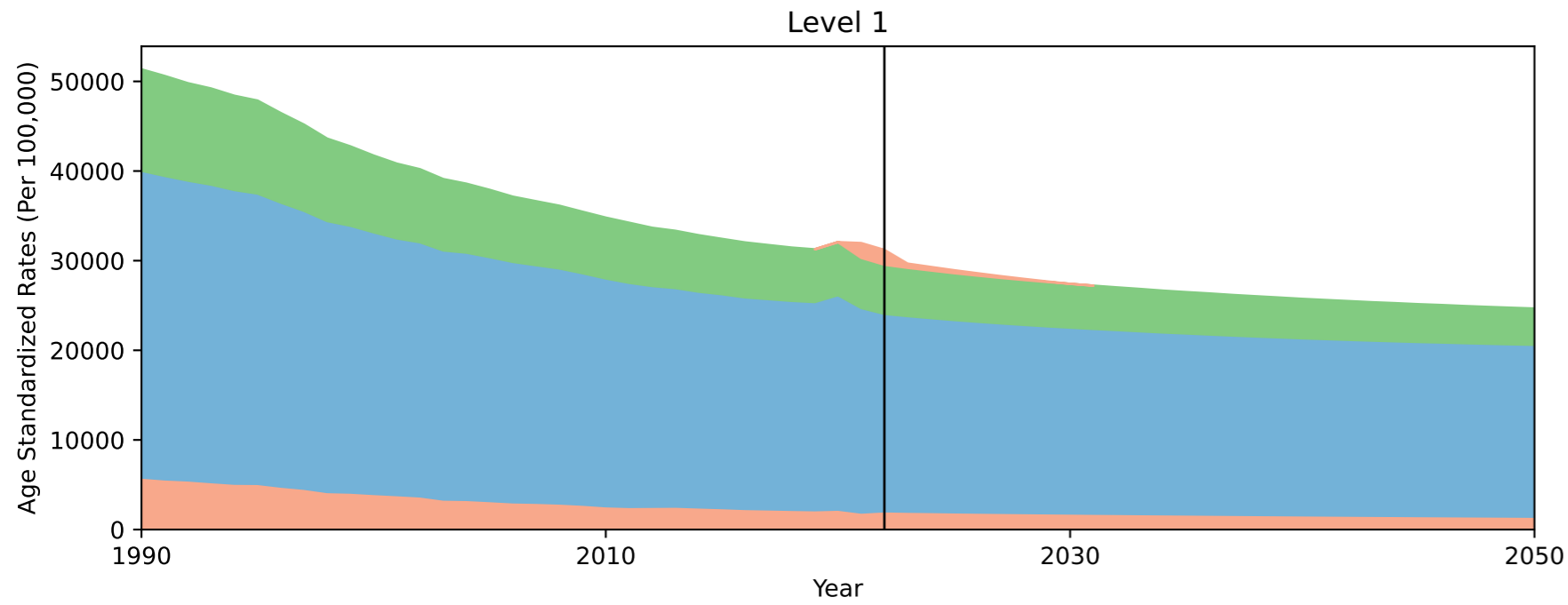
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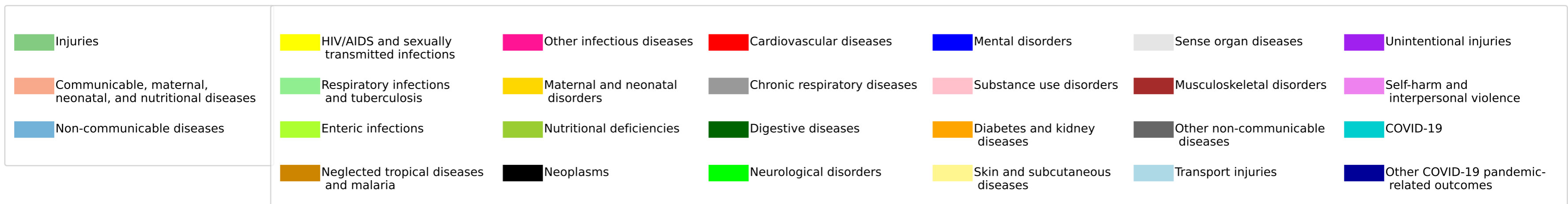
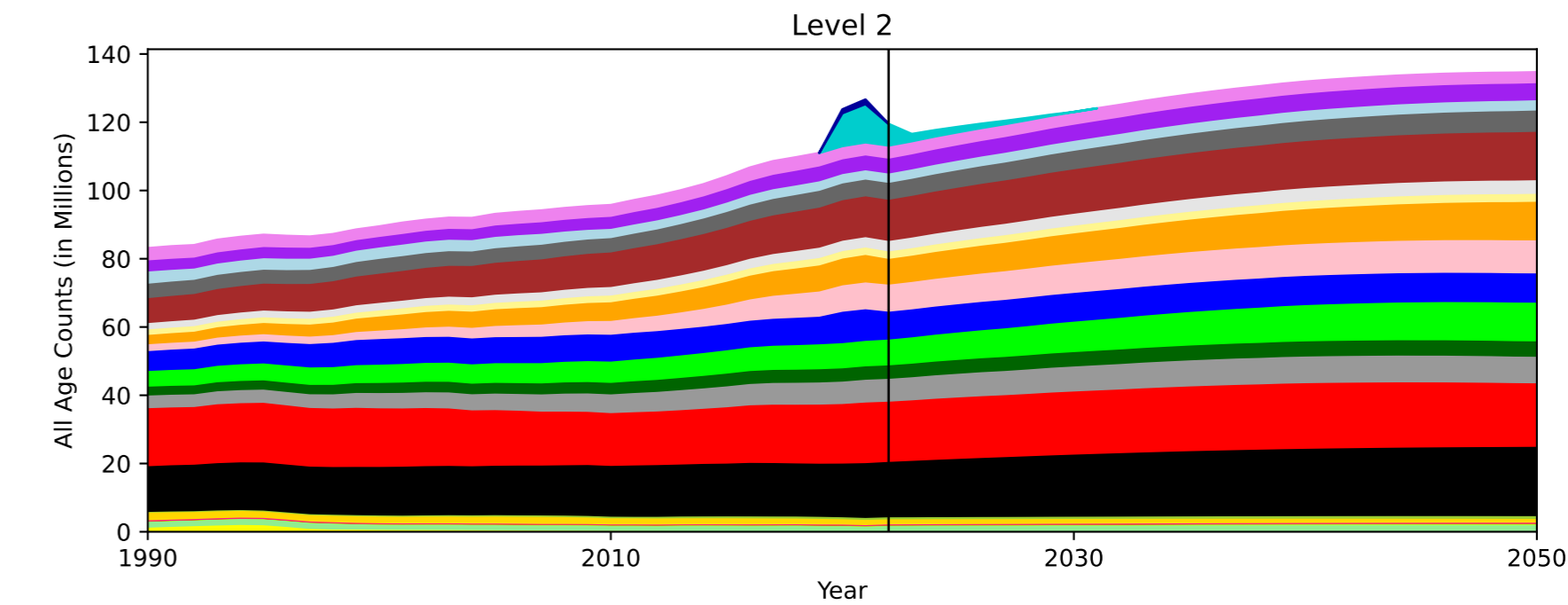
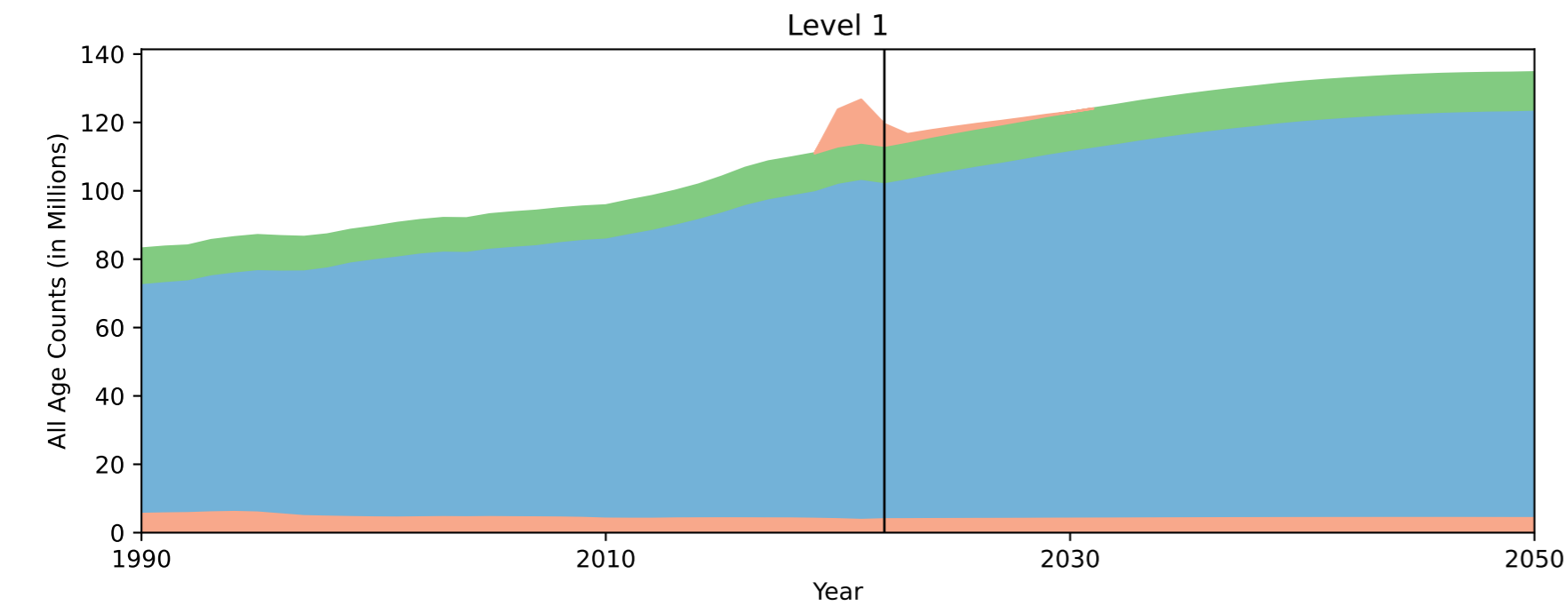
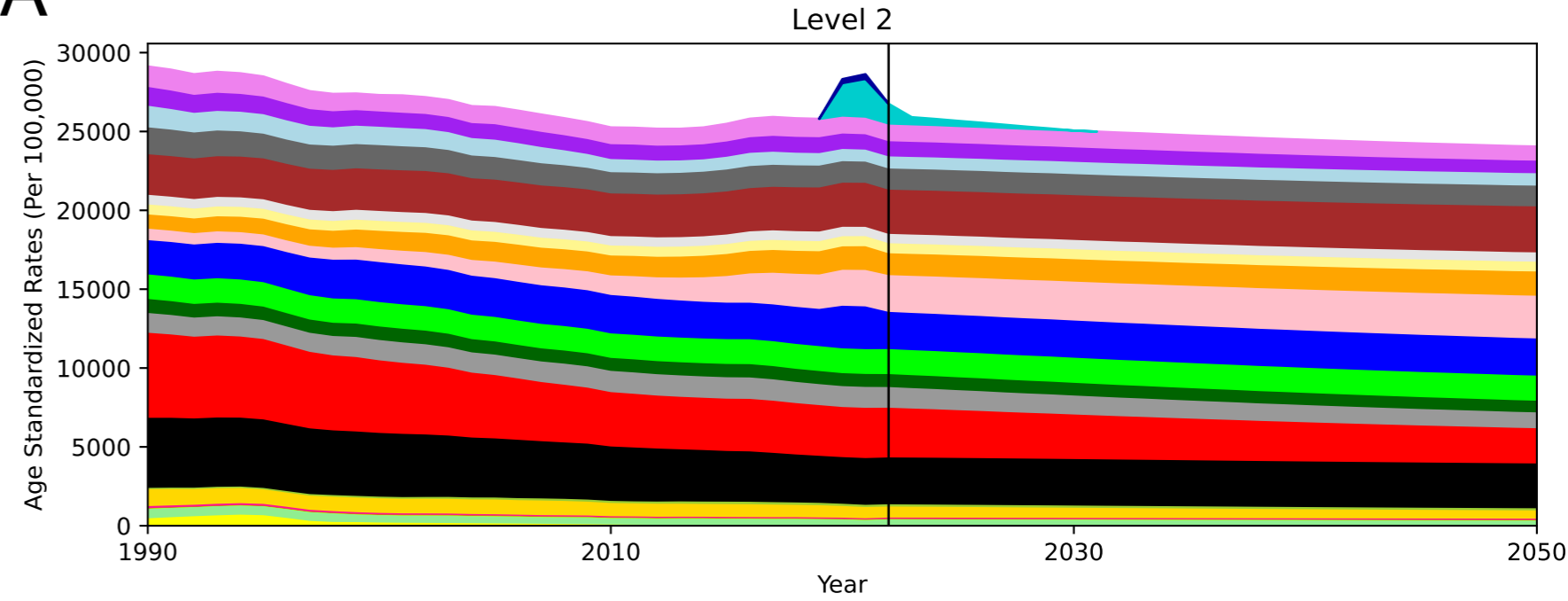
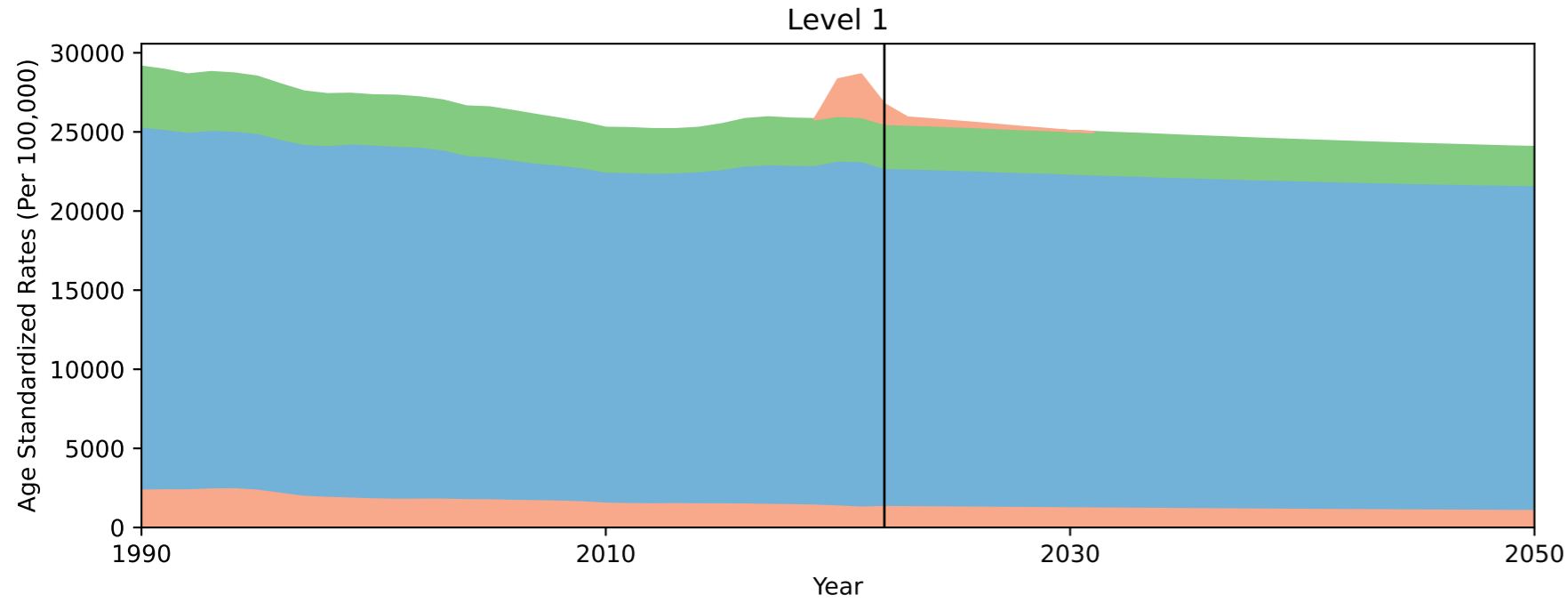
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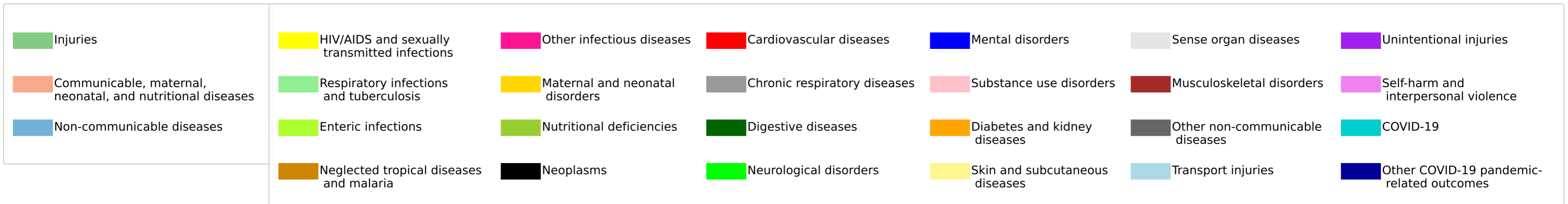
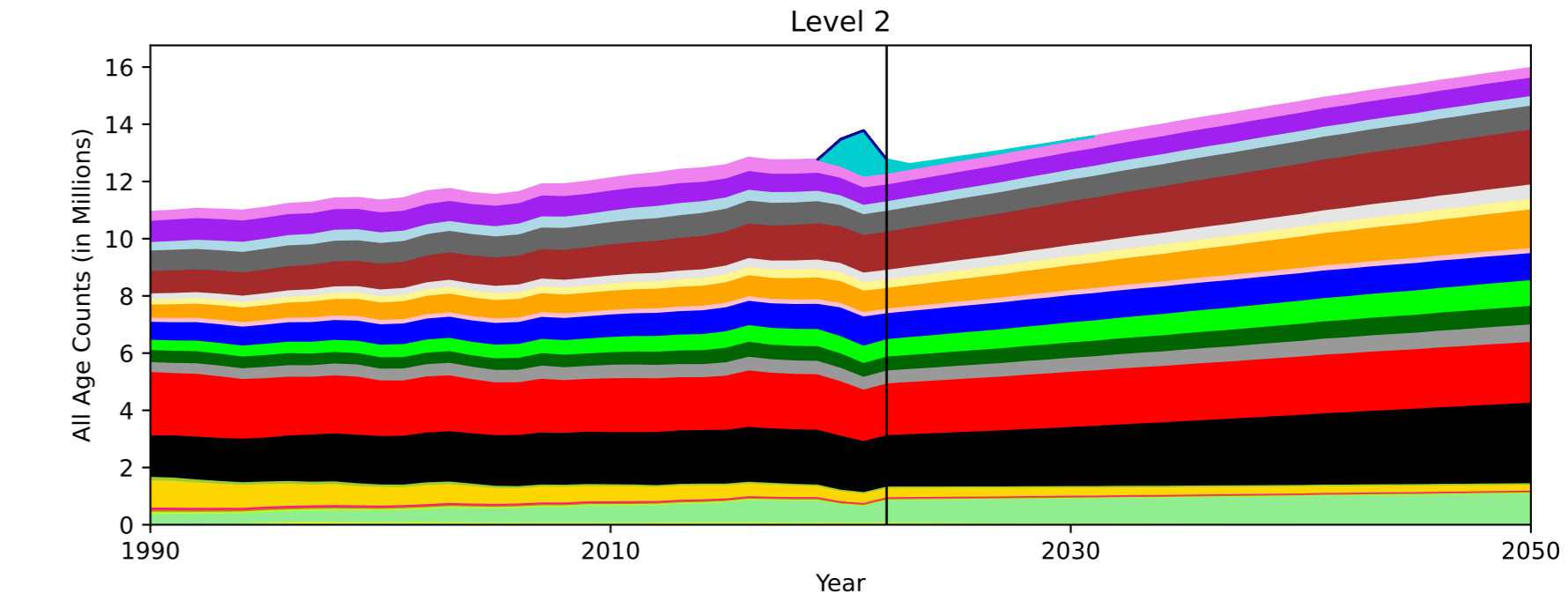
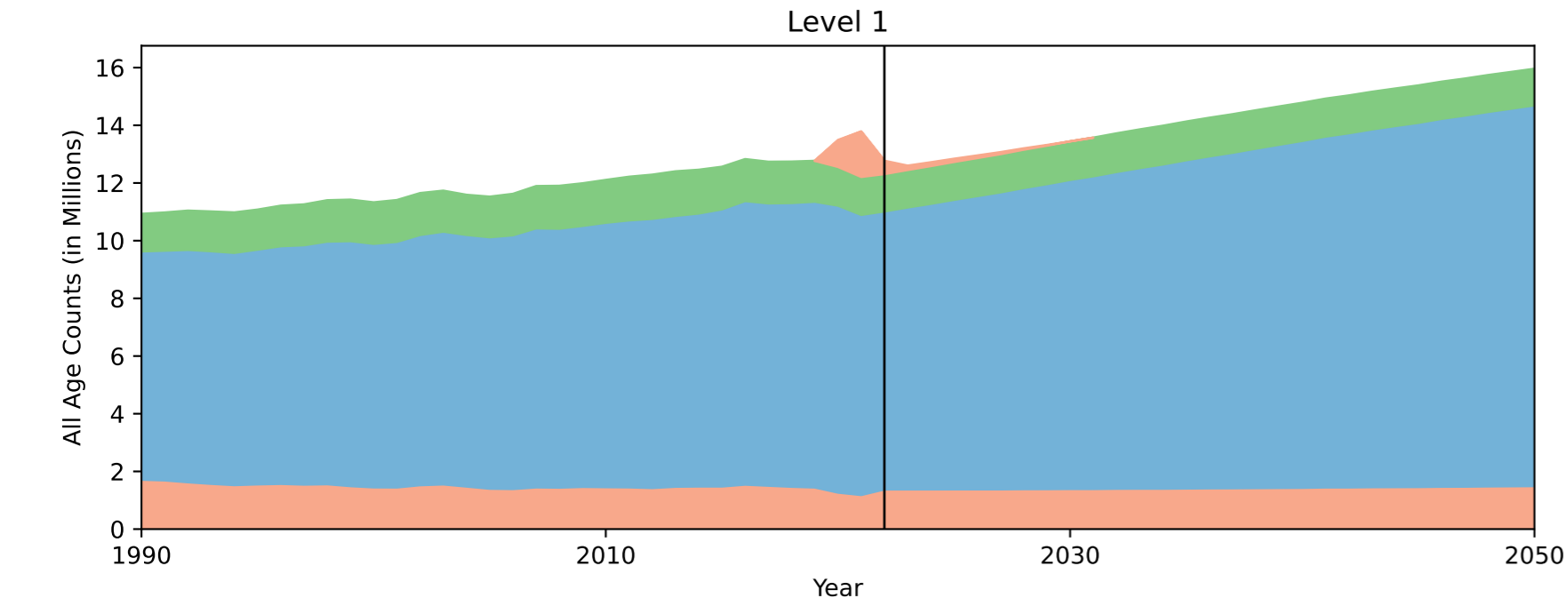
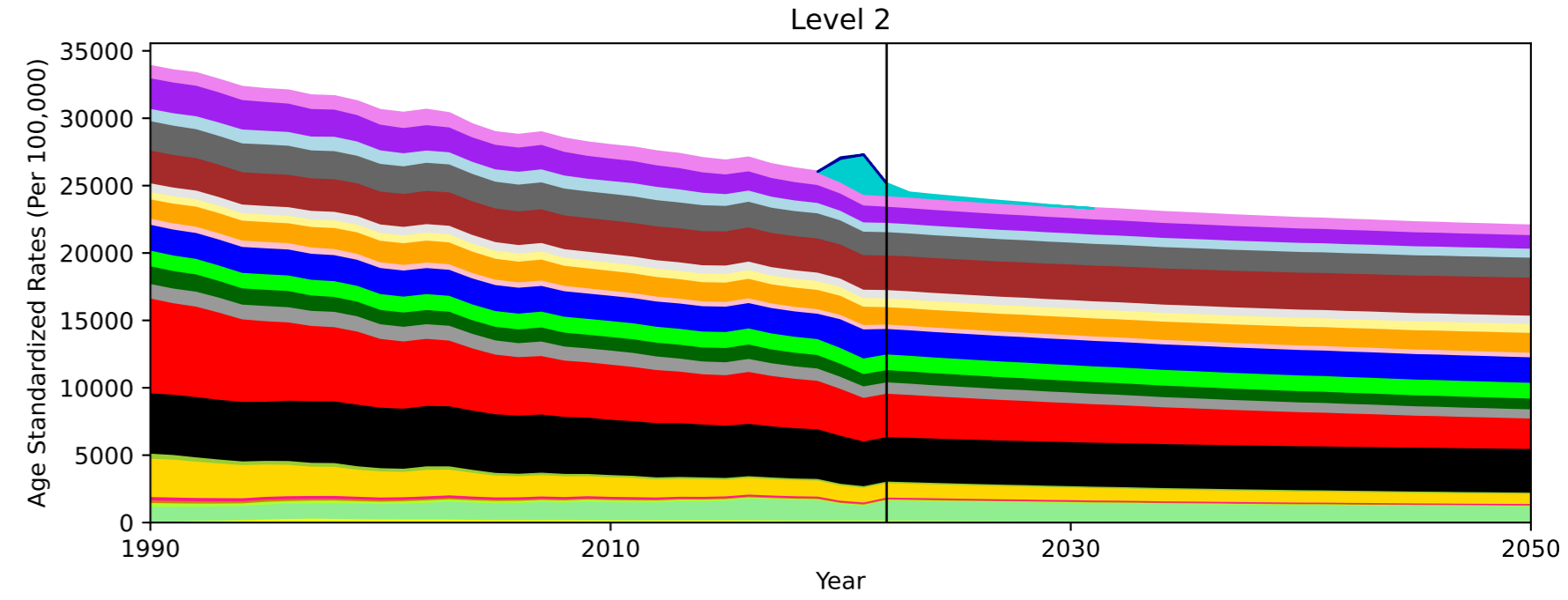
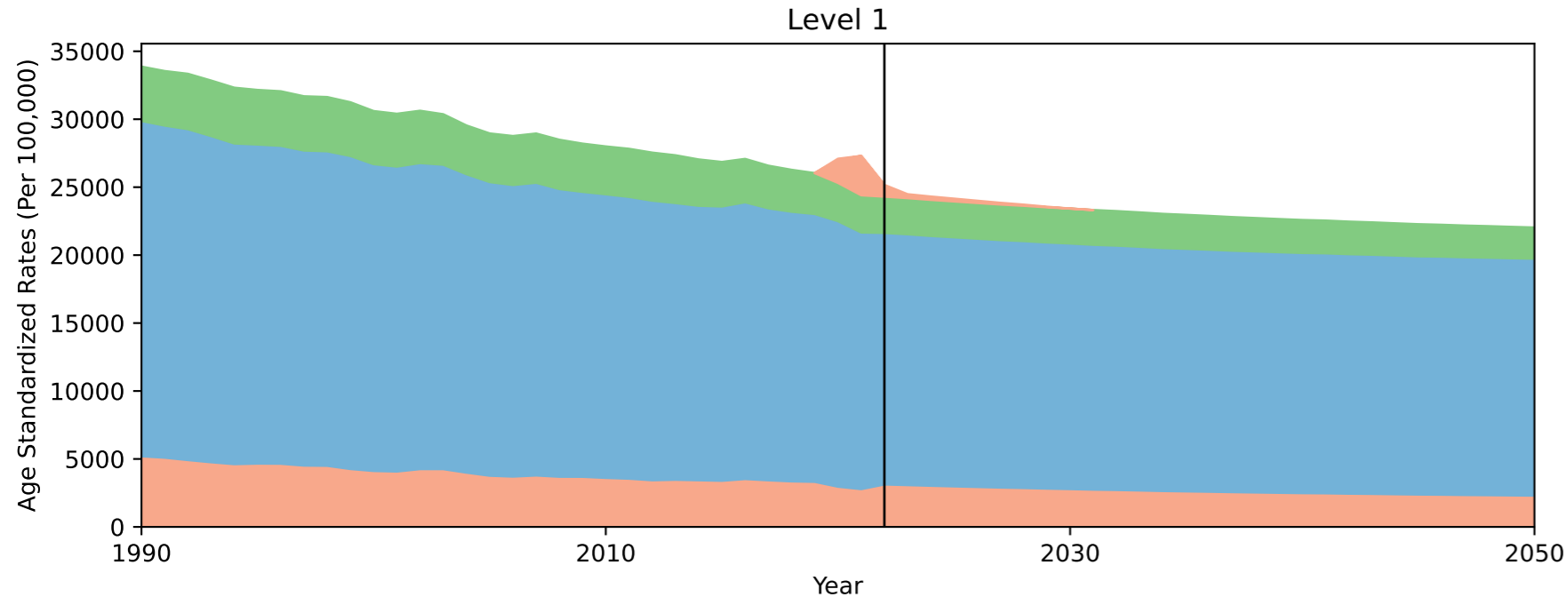
# Greenland



# USA

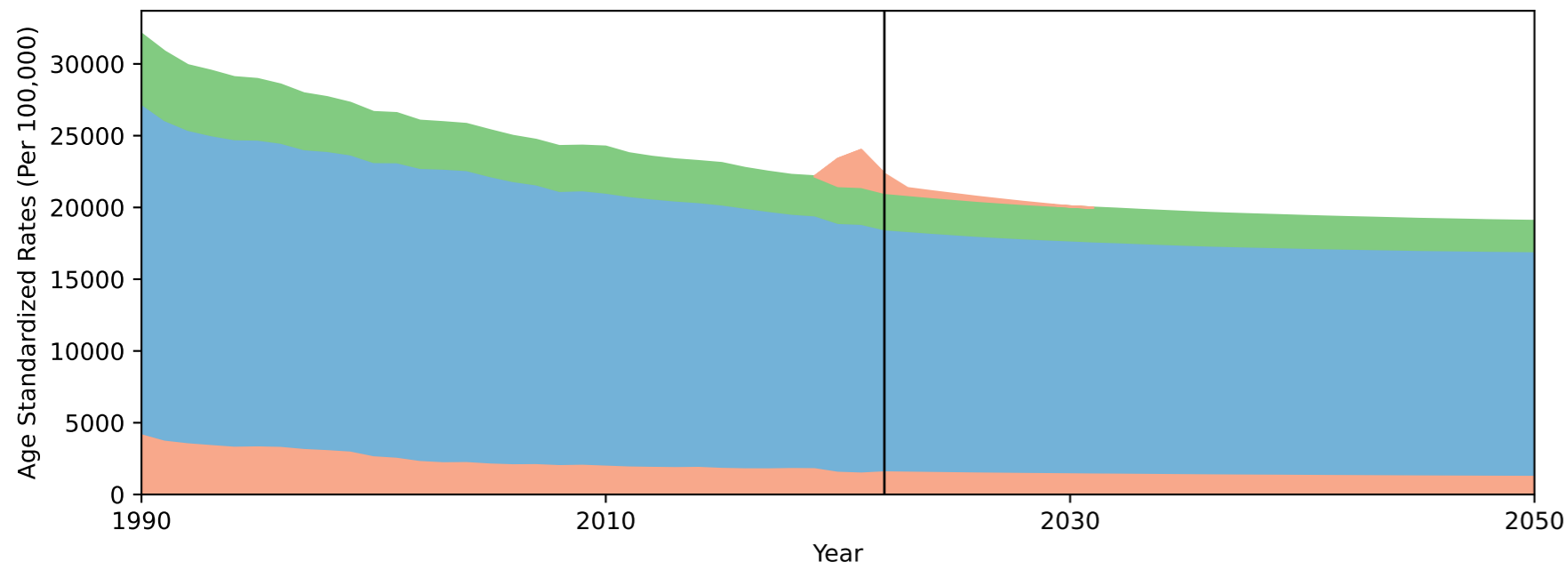


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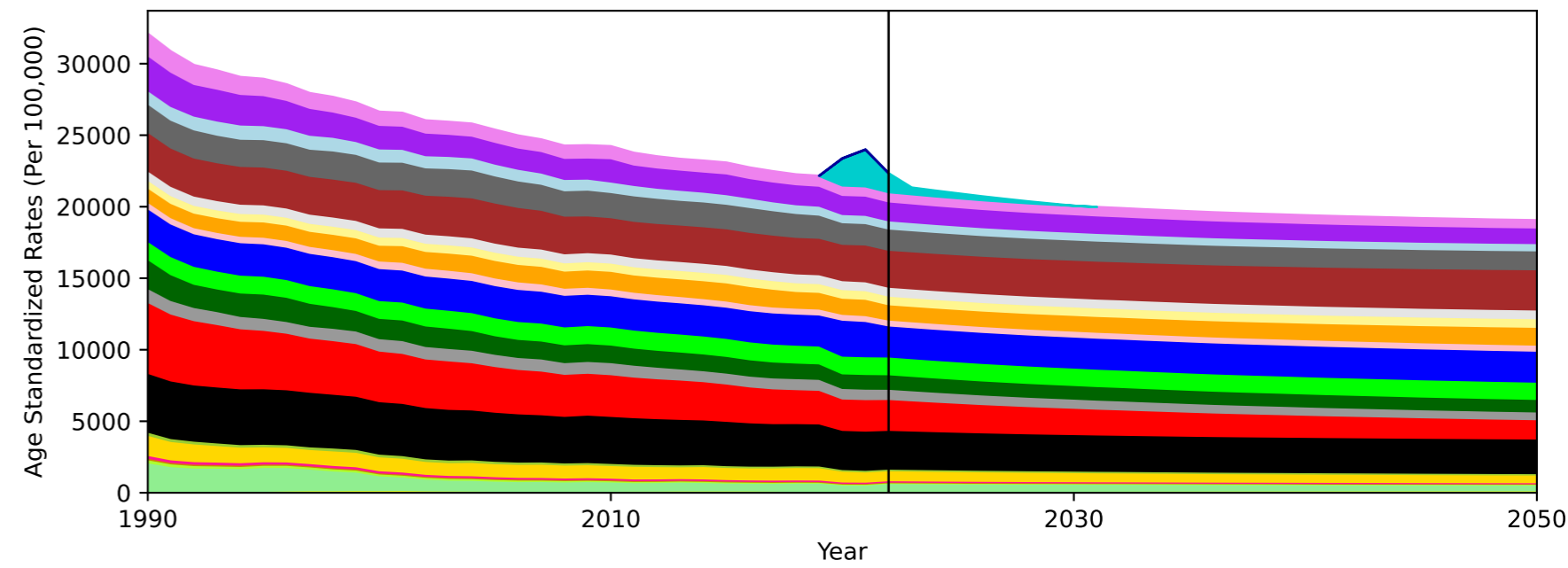


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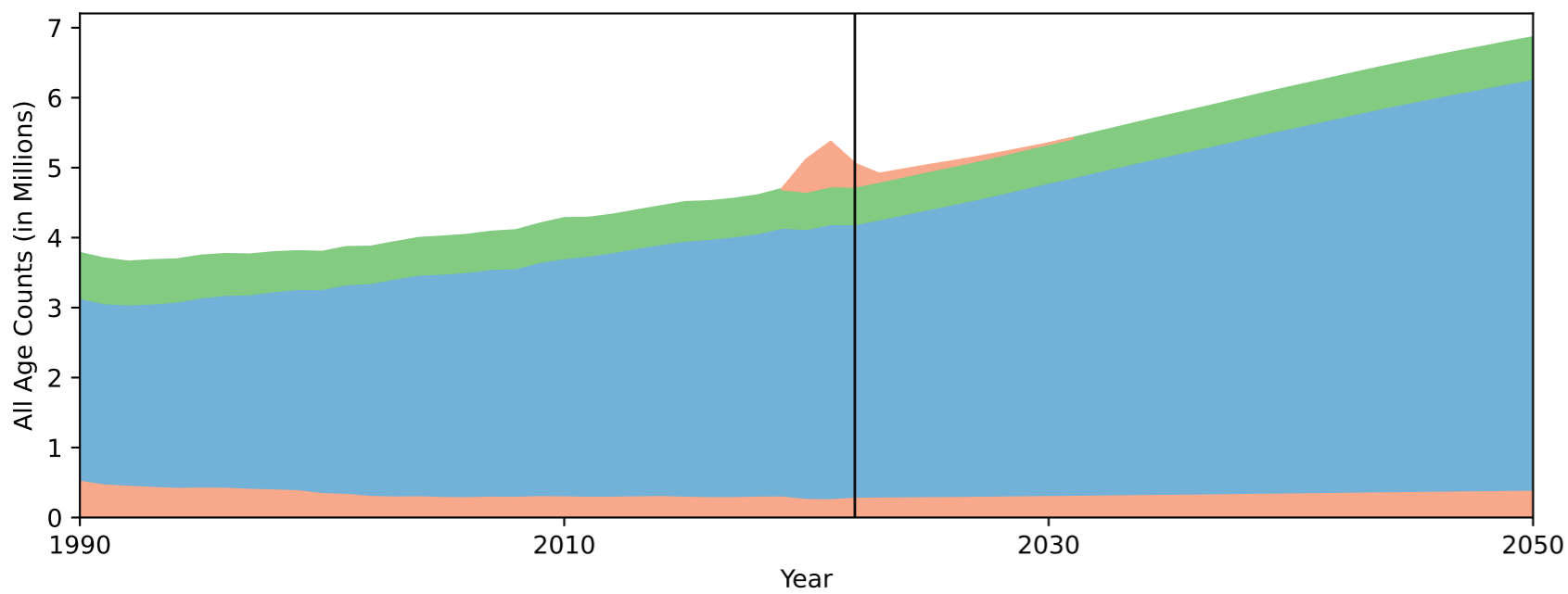
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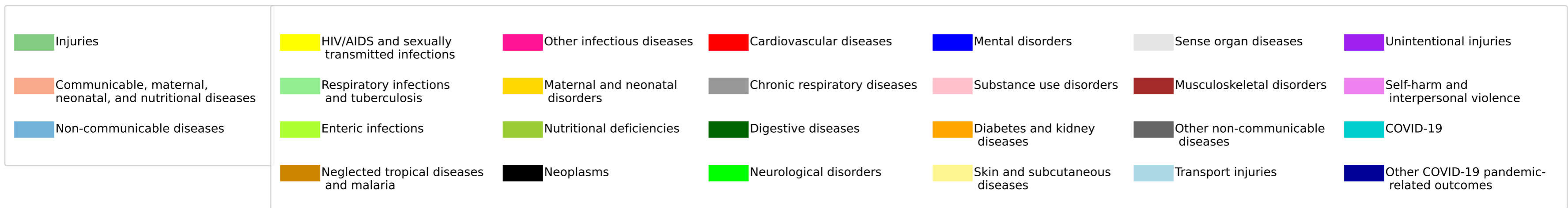
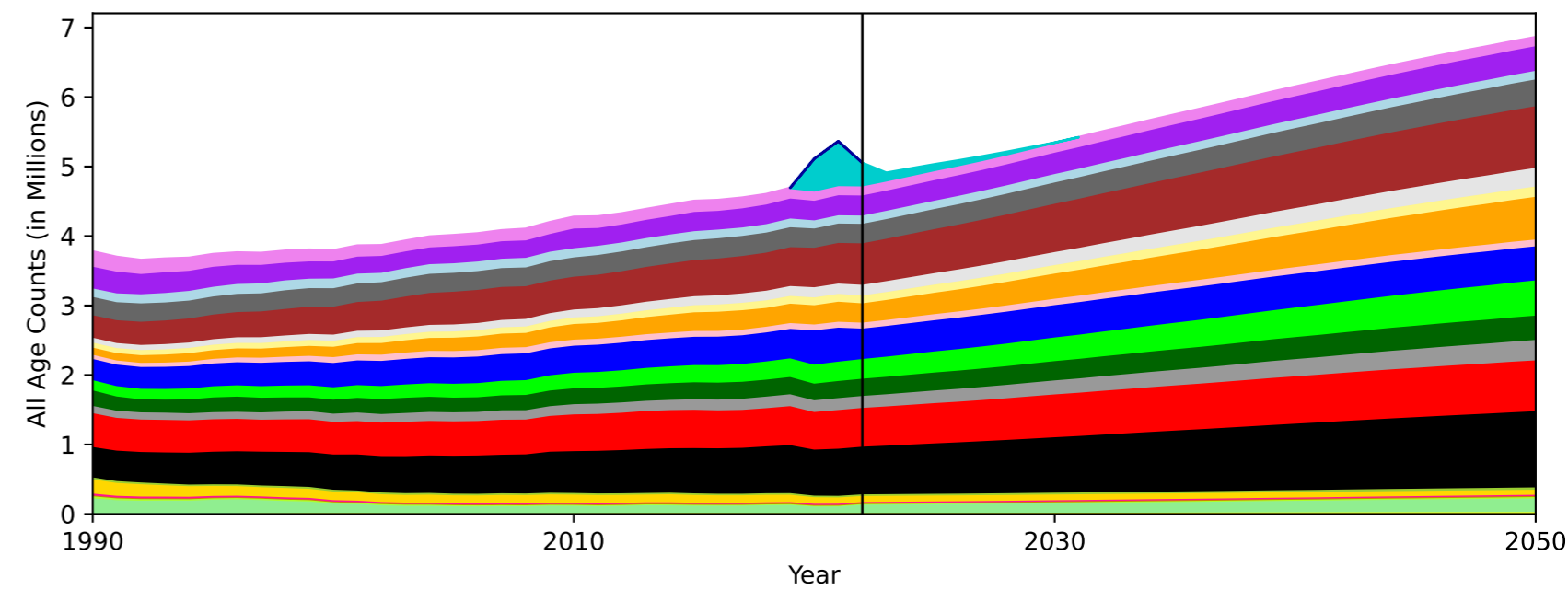
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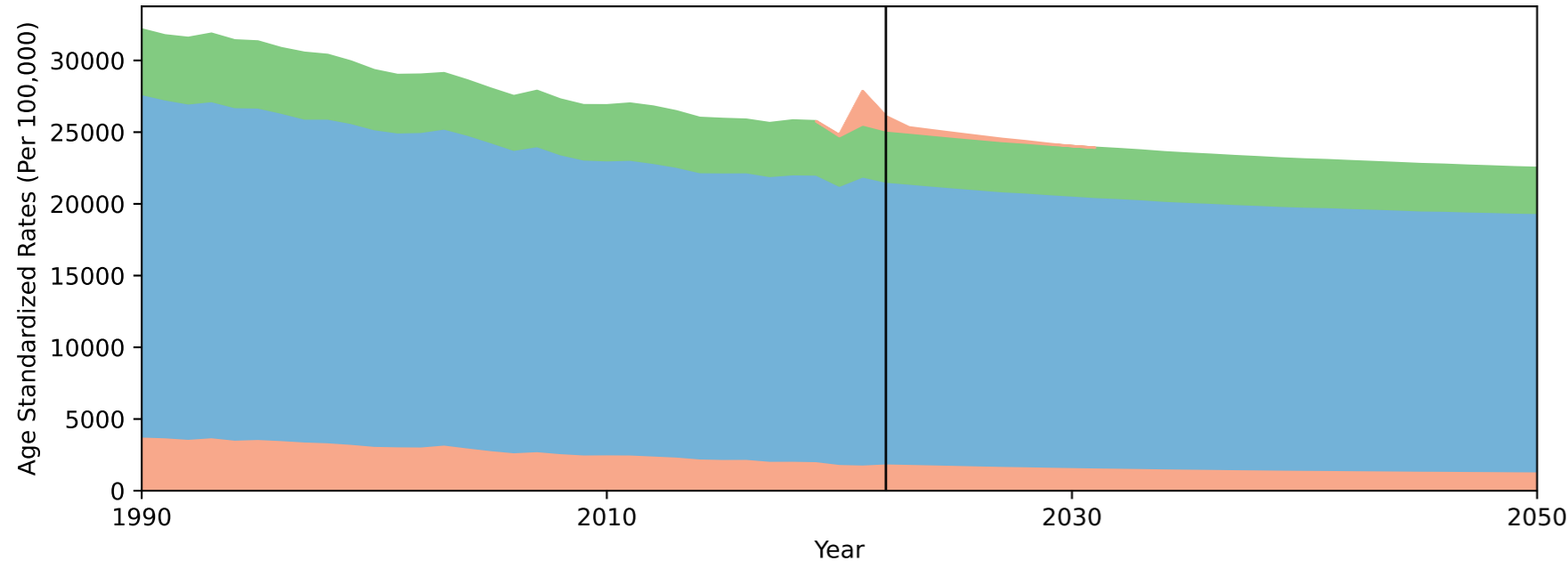


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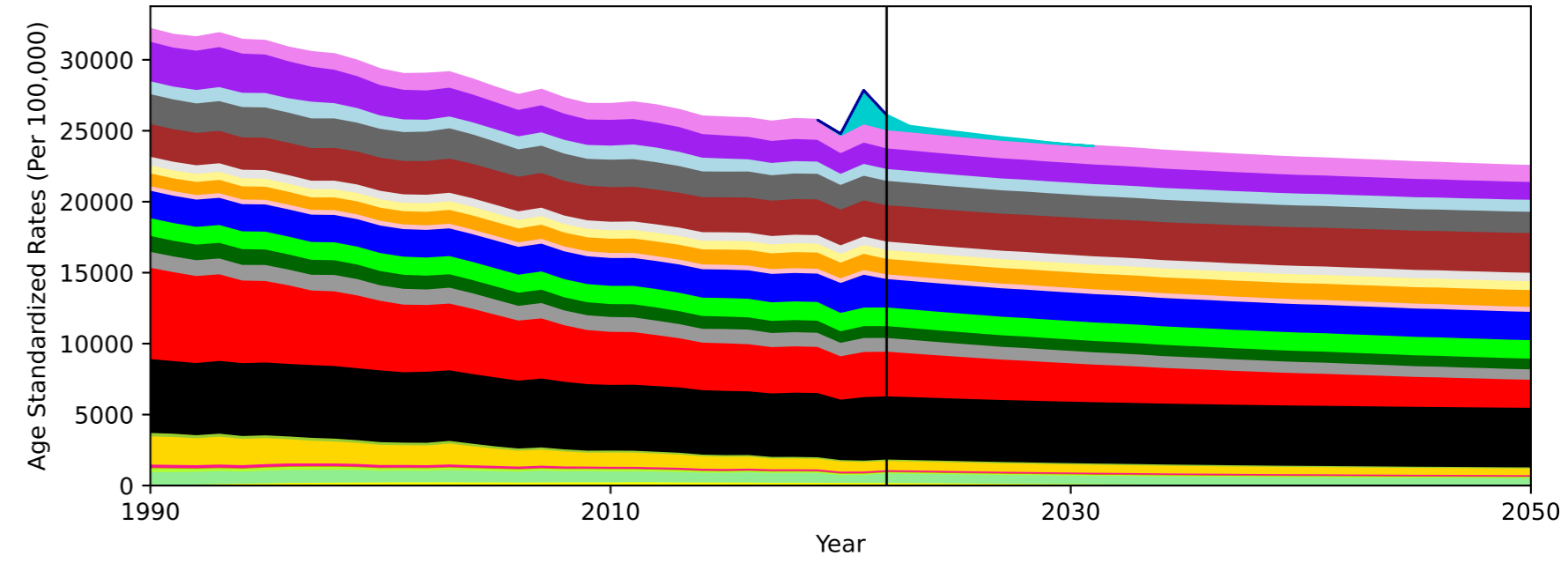


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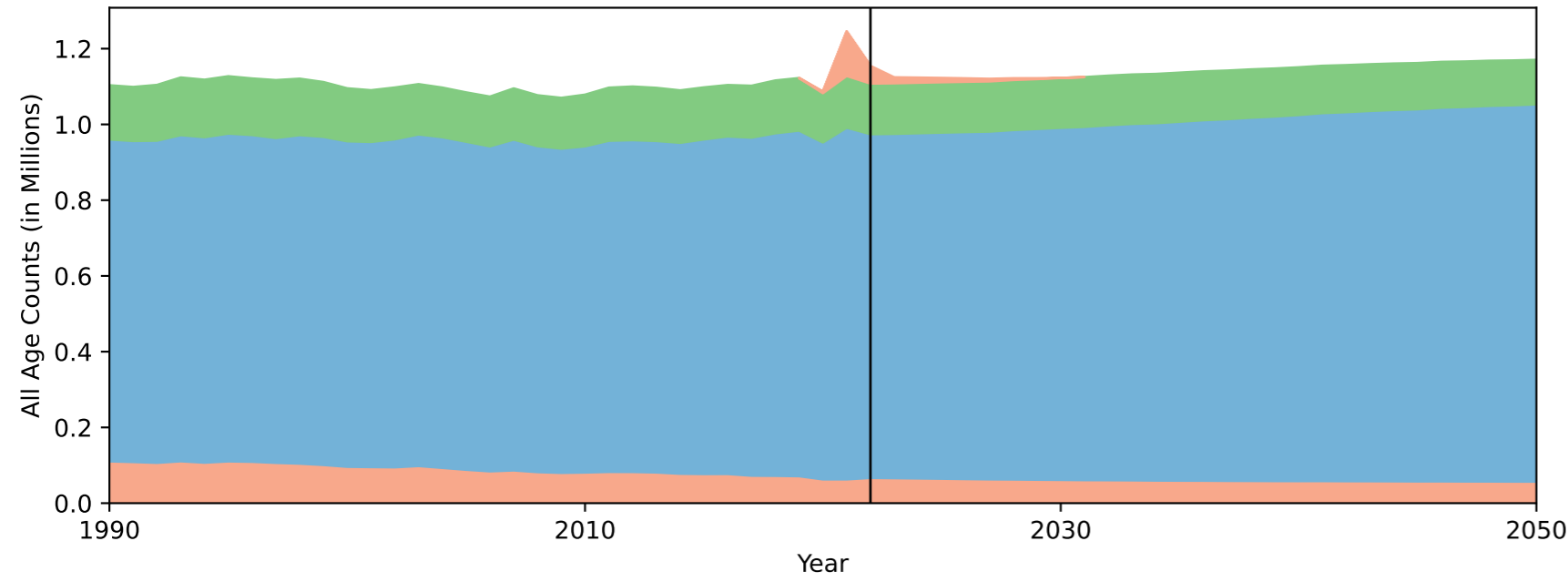
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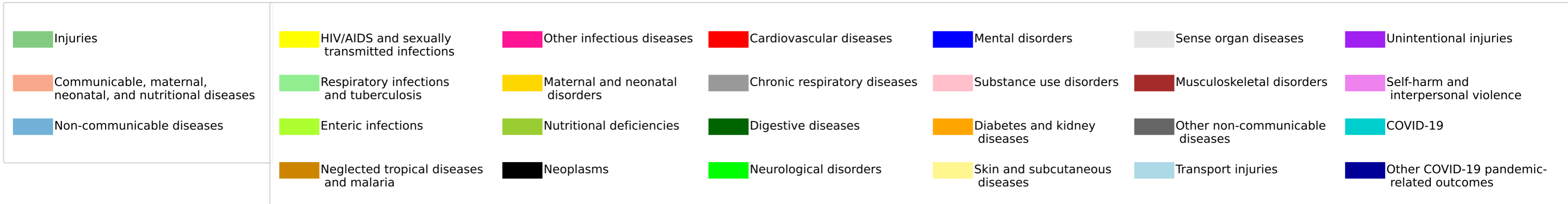
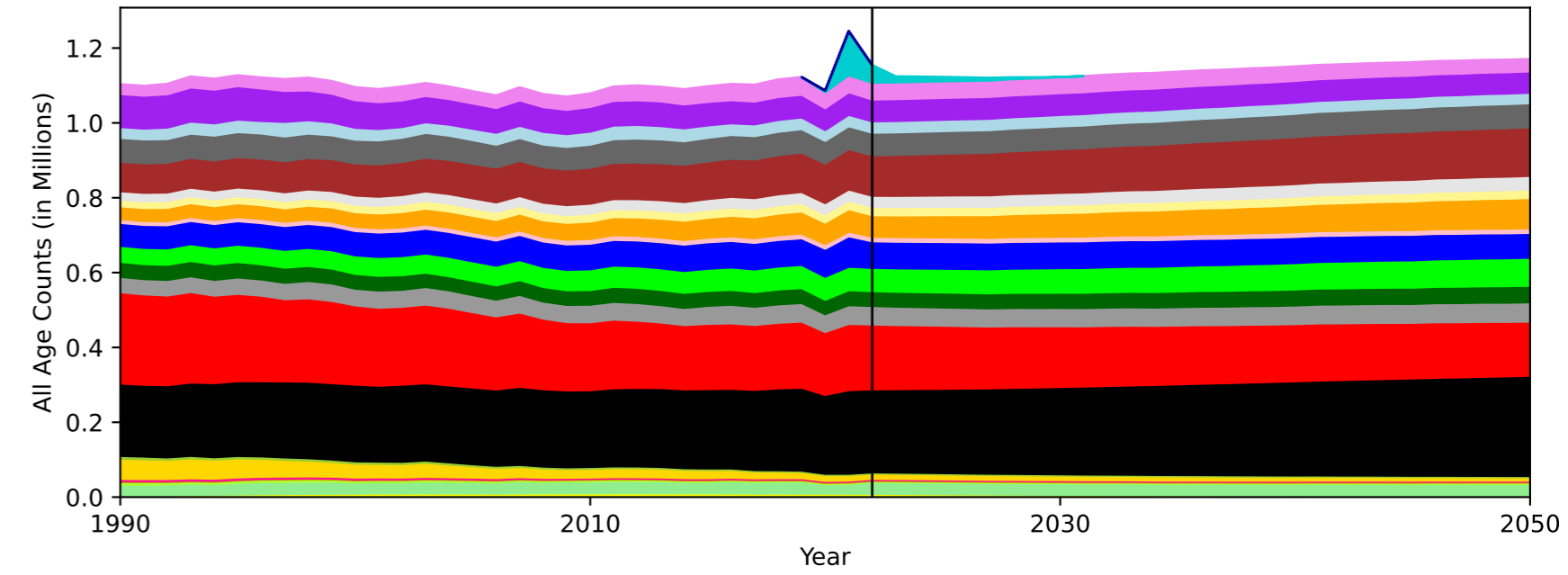
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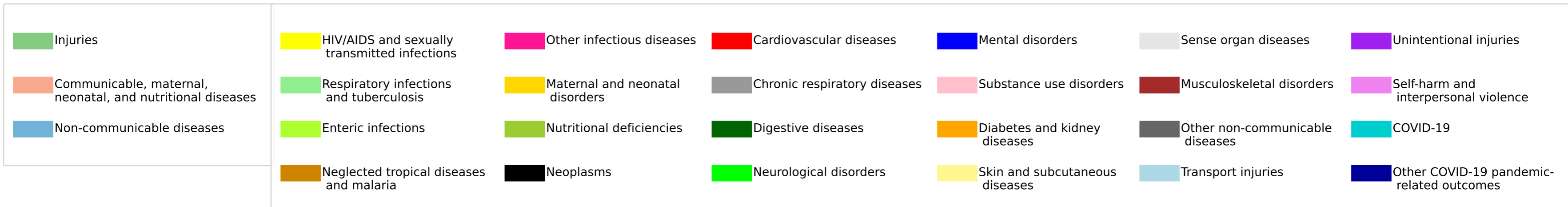
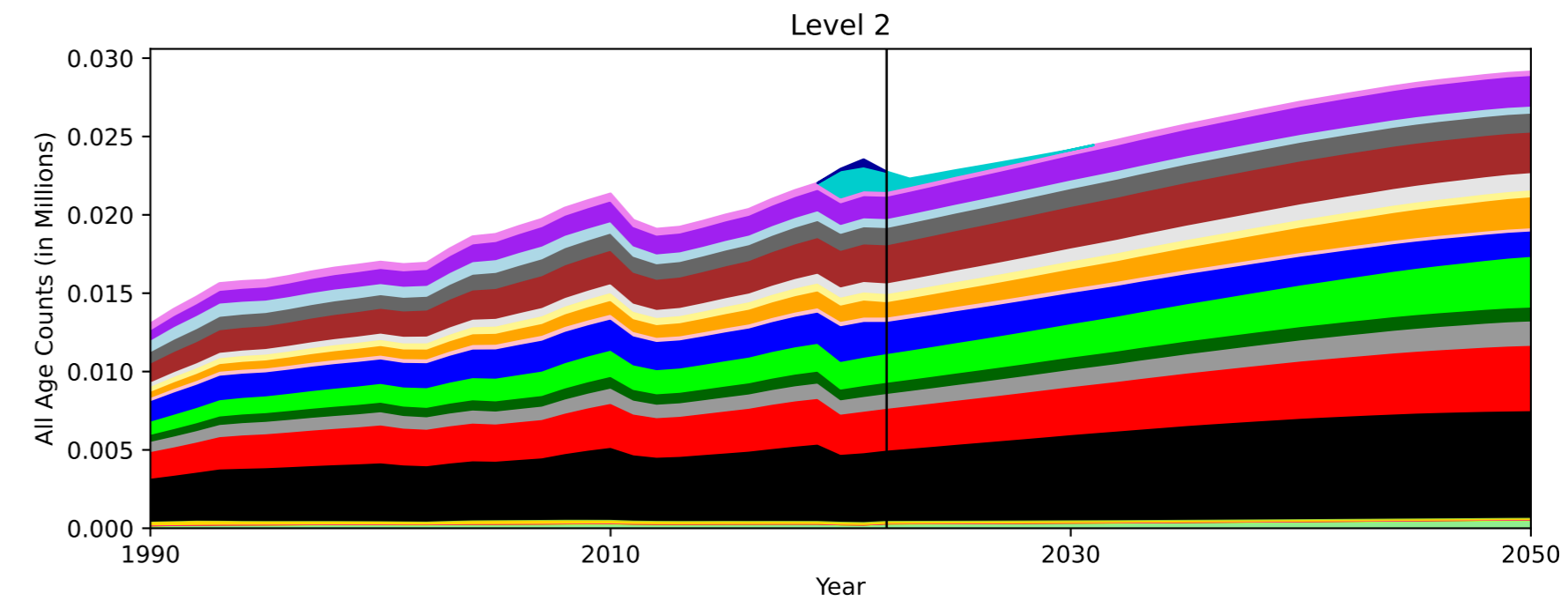
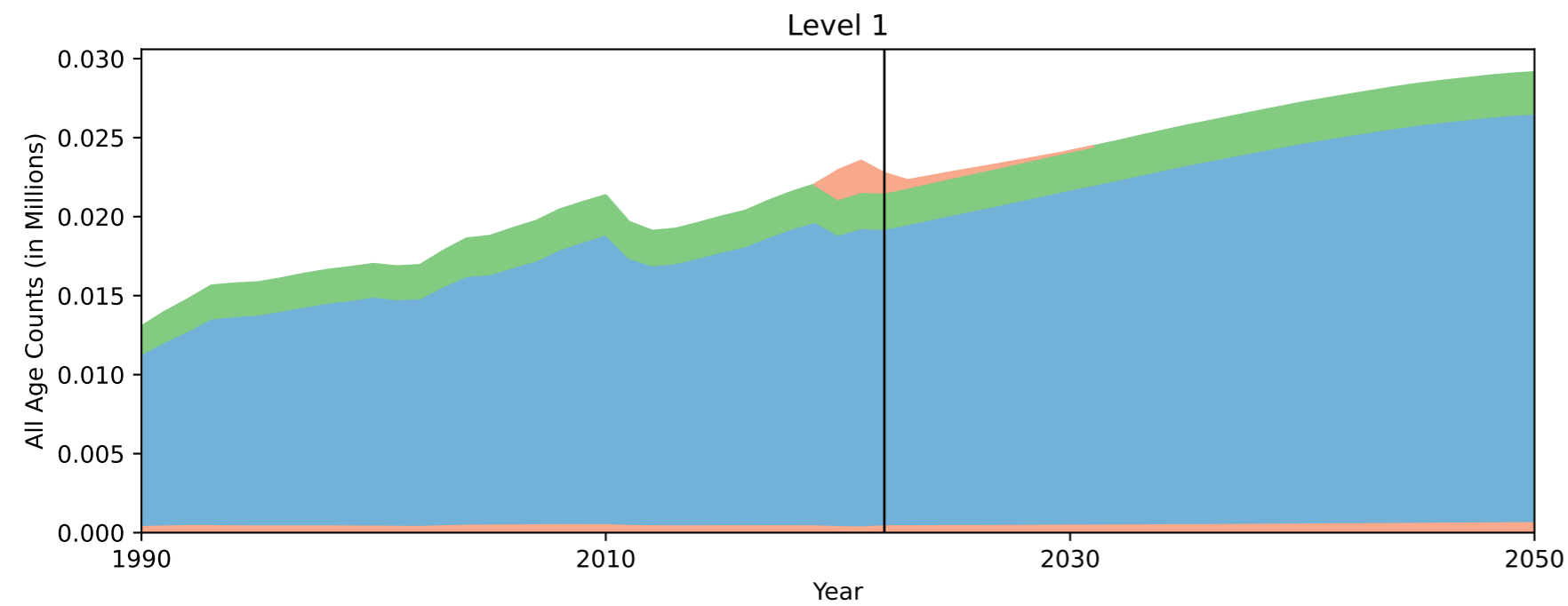
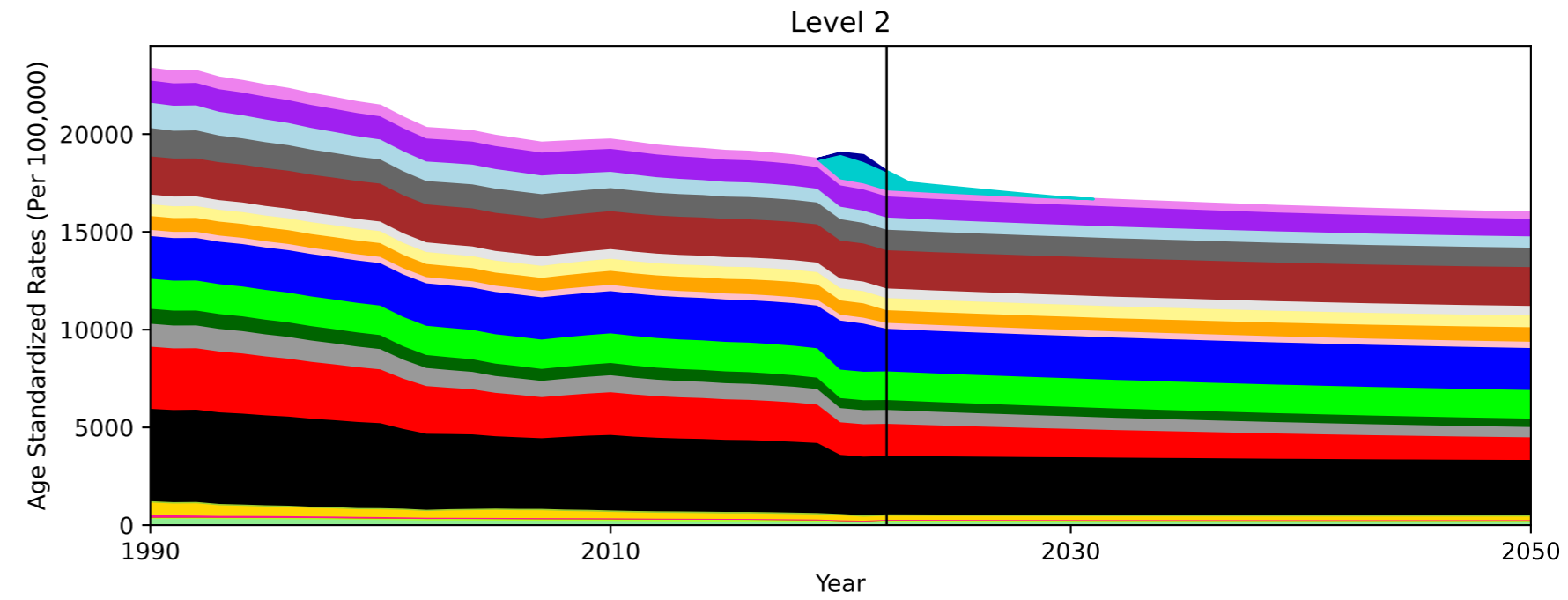
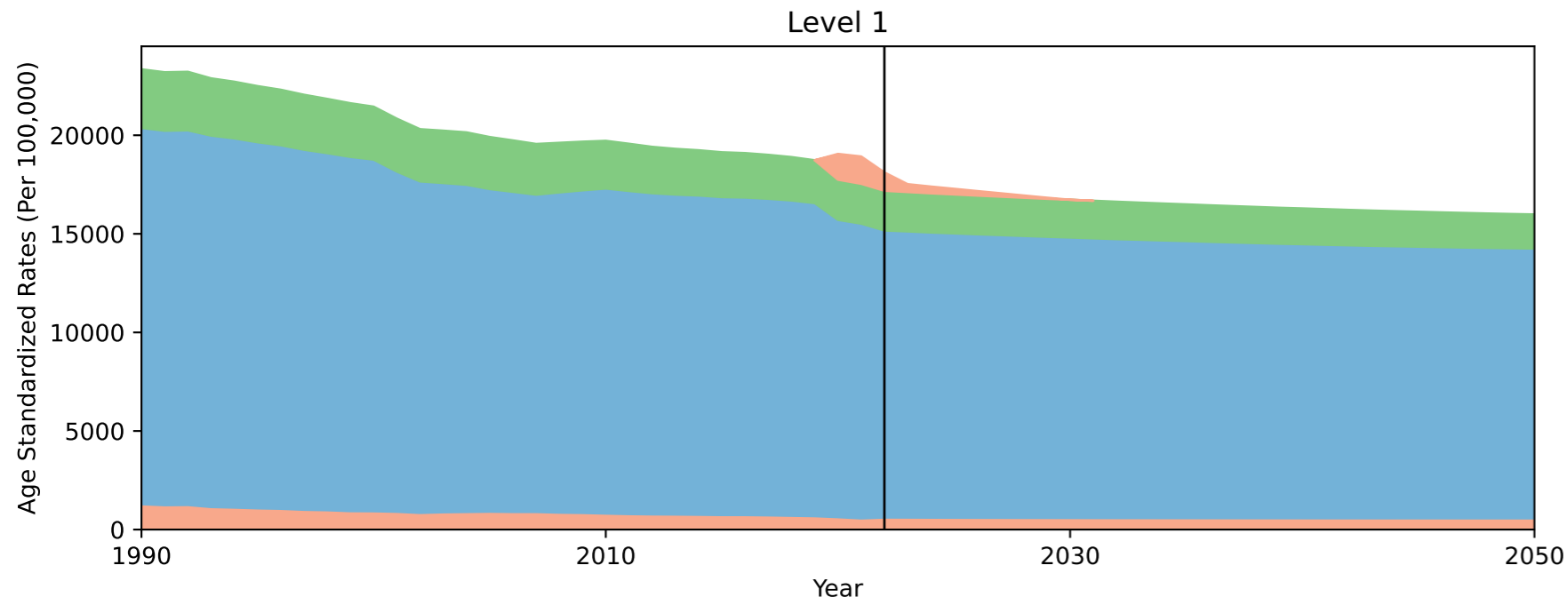
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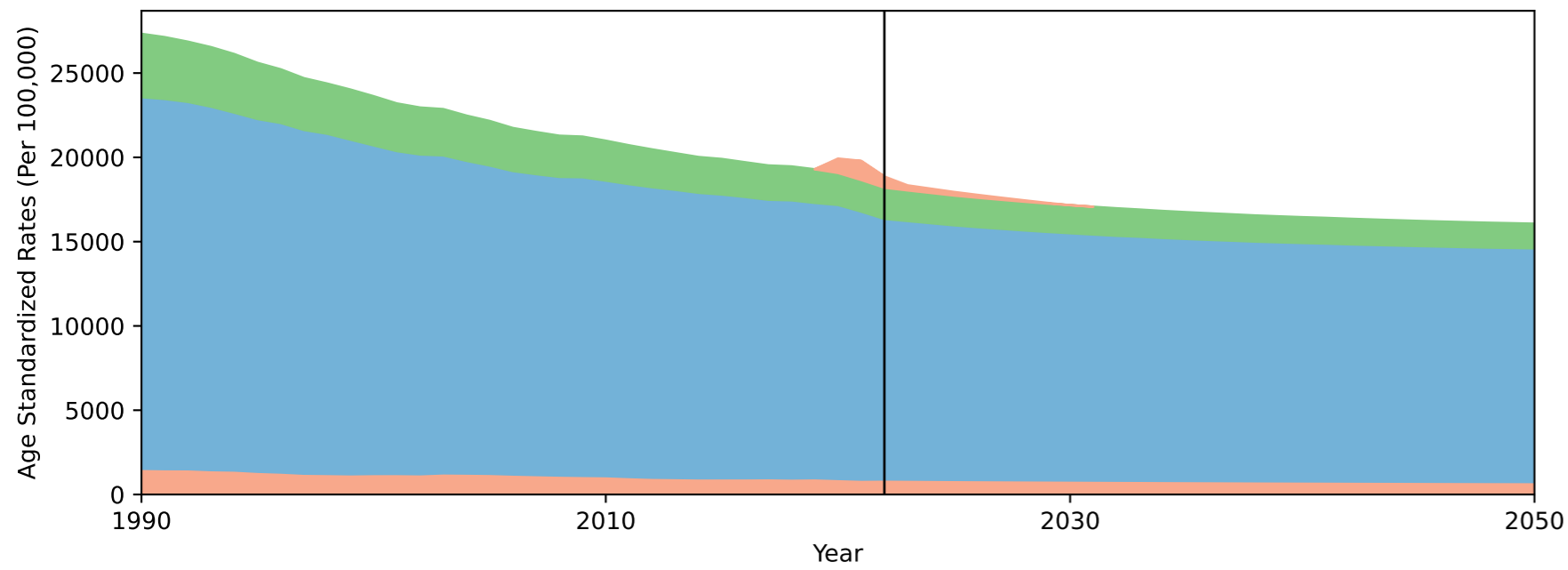
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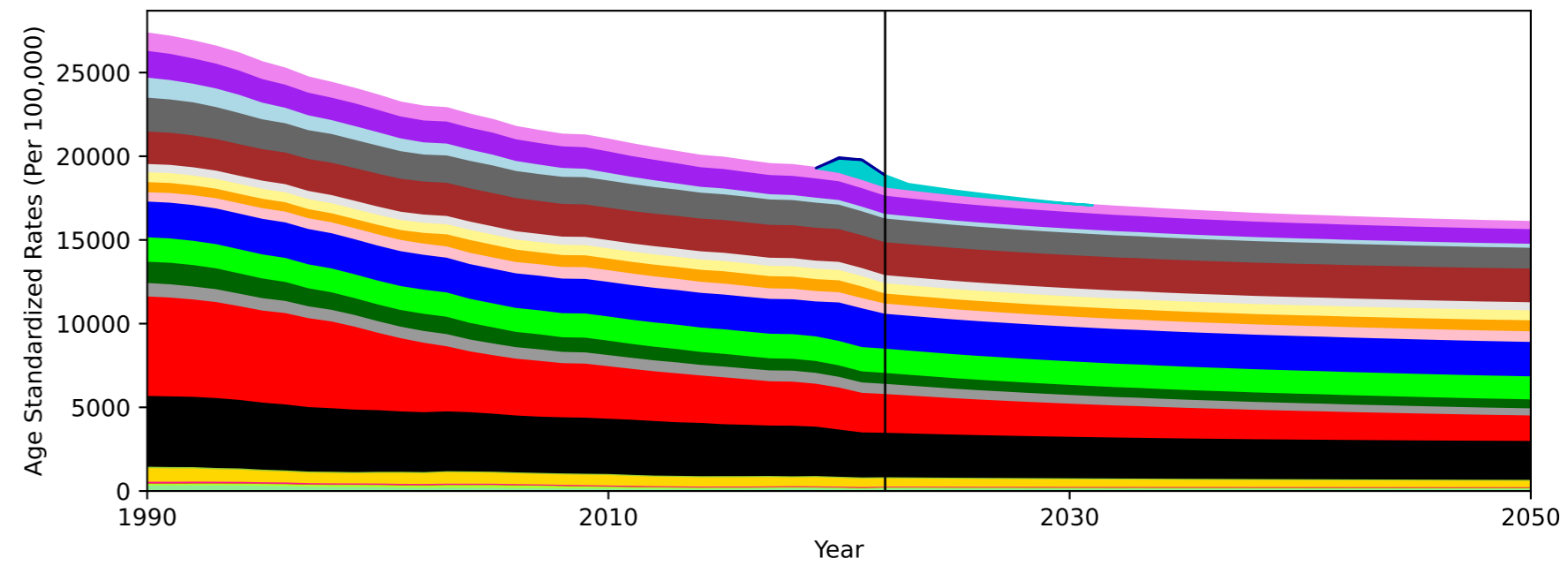
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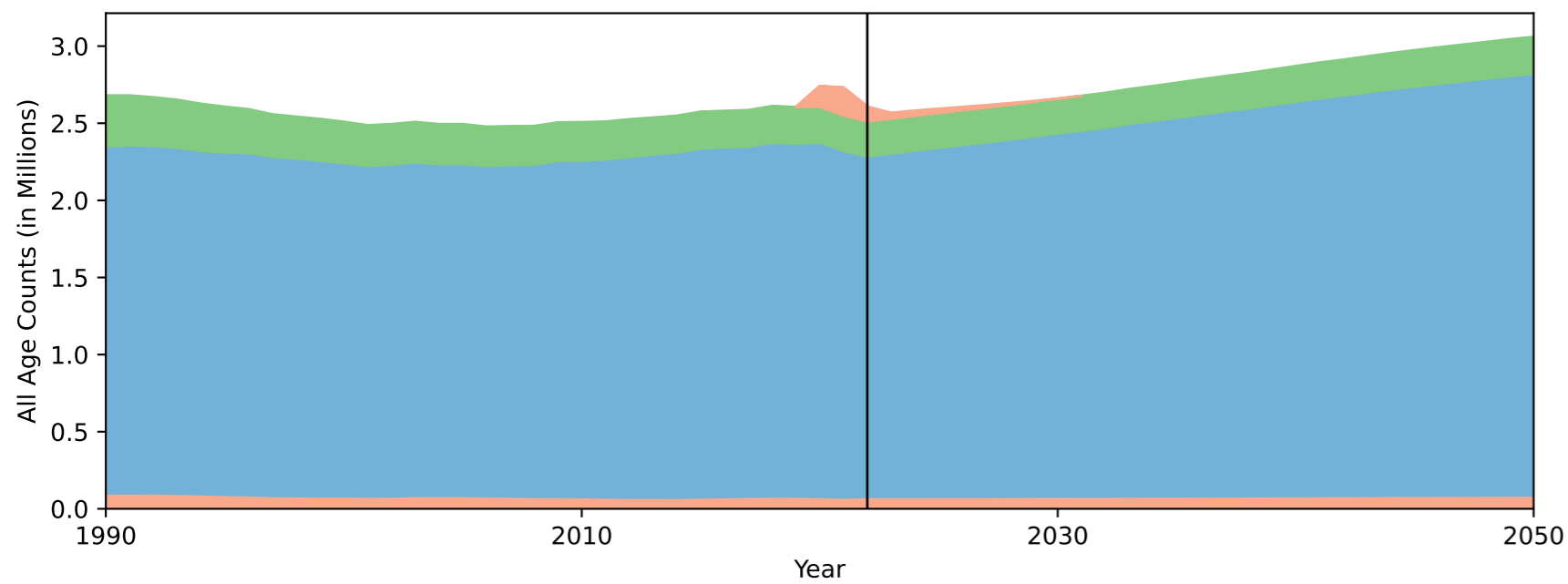
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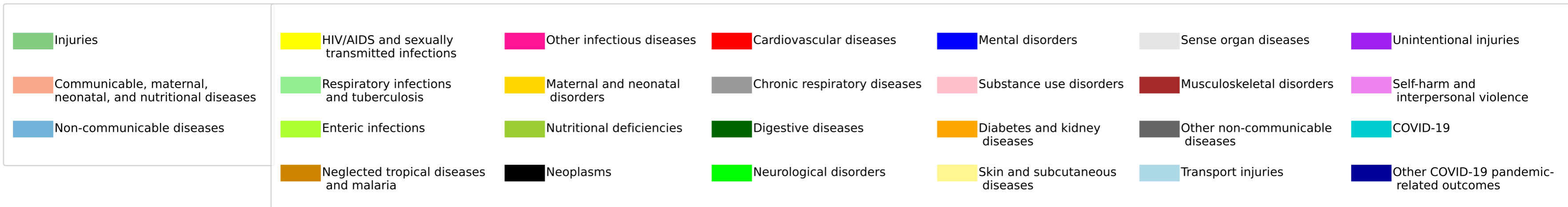
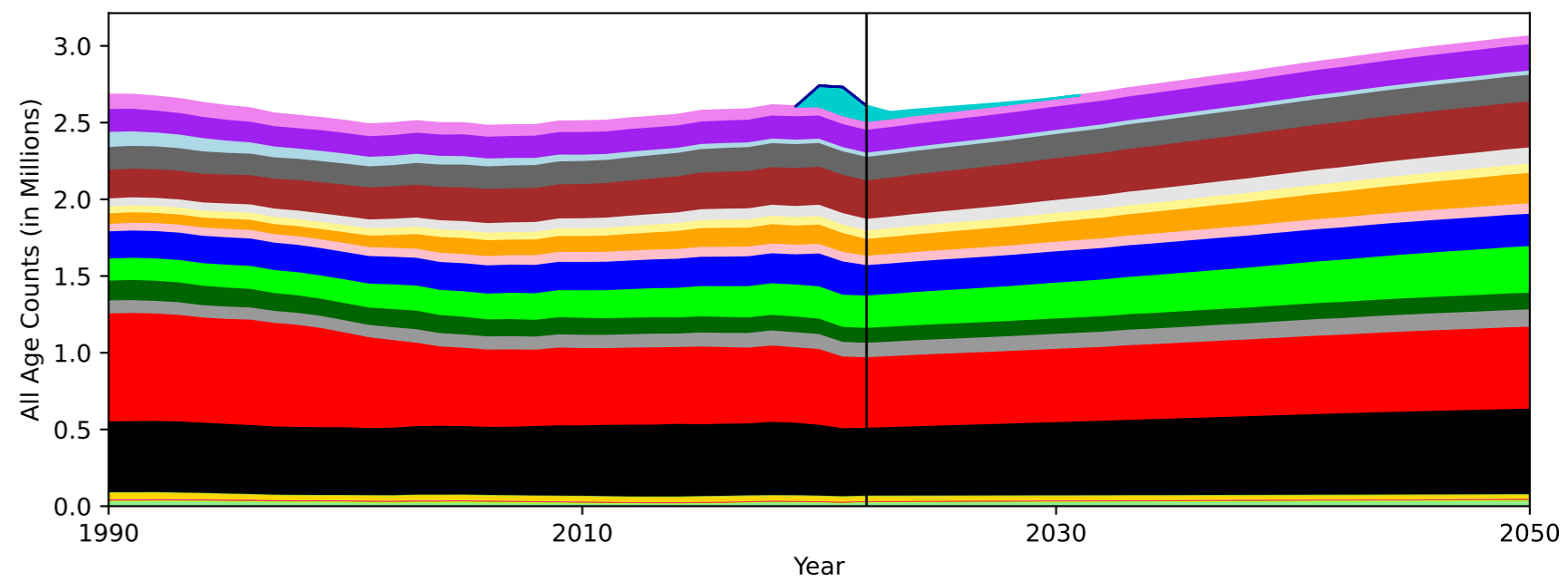
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Level 1



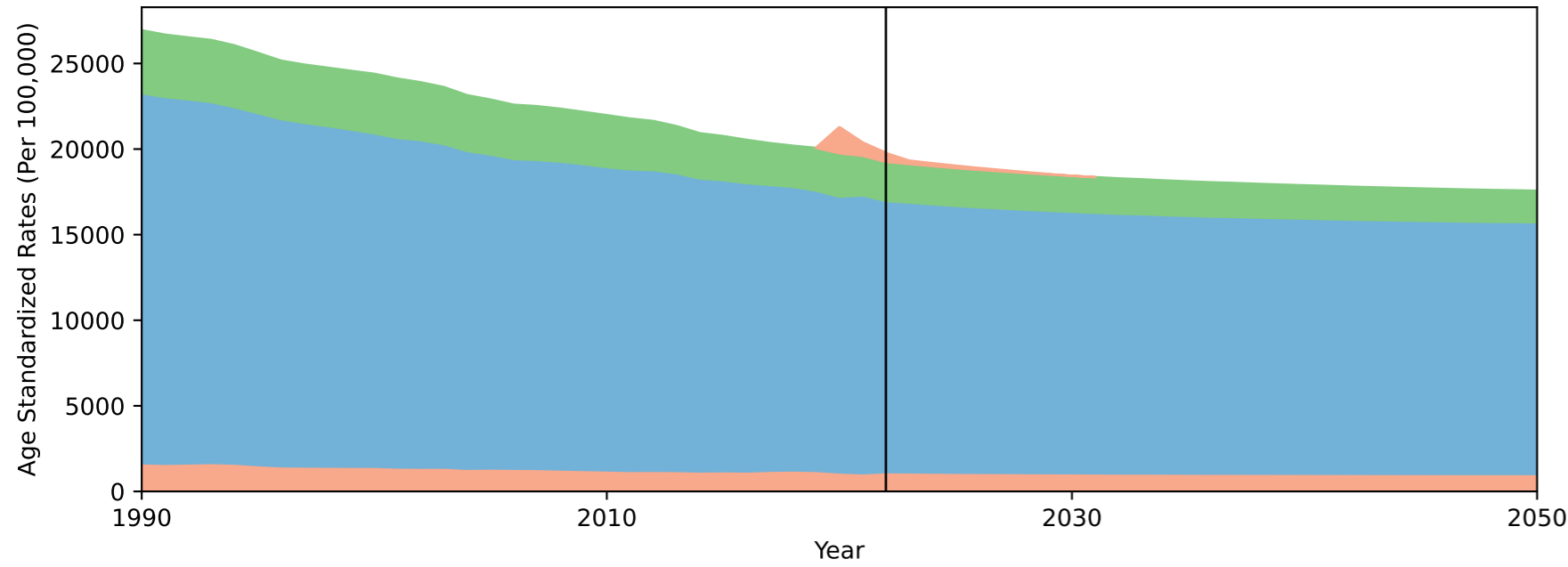
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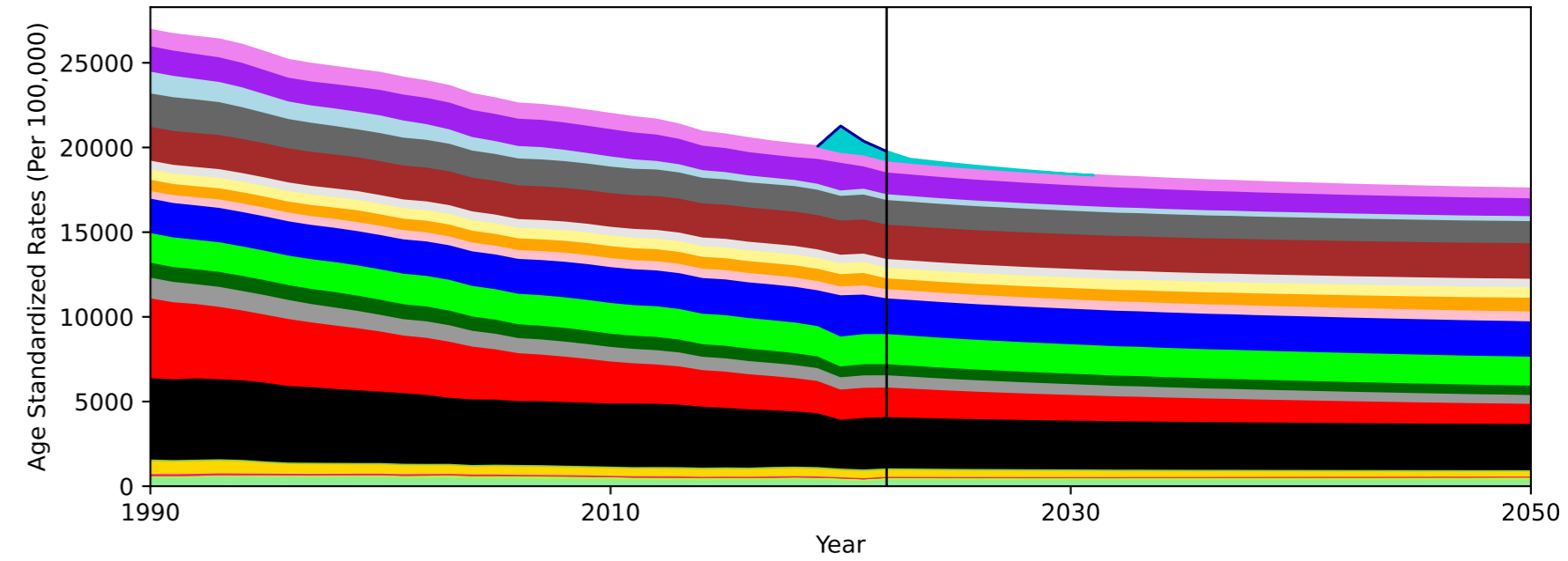


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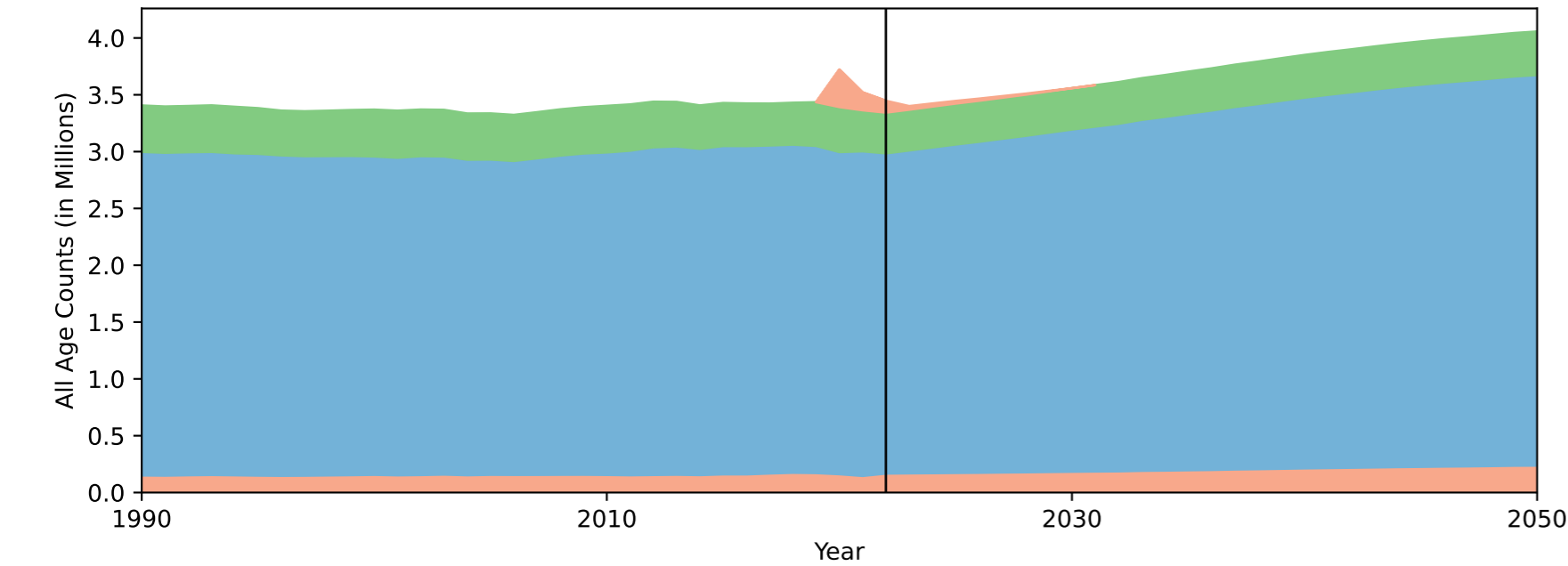
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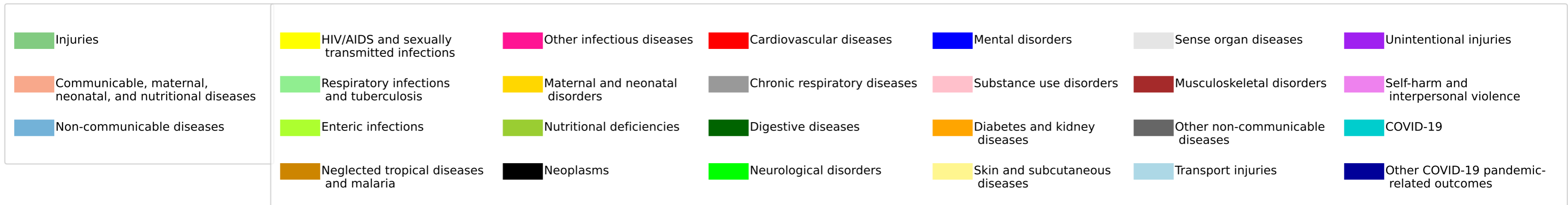
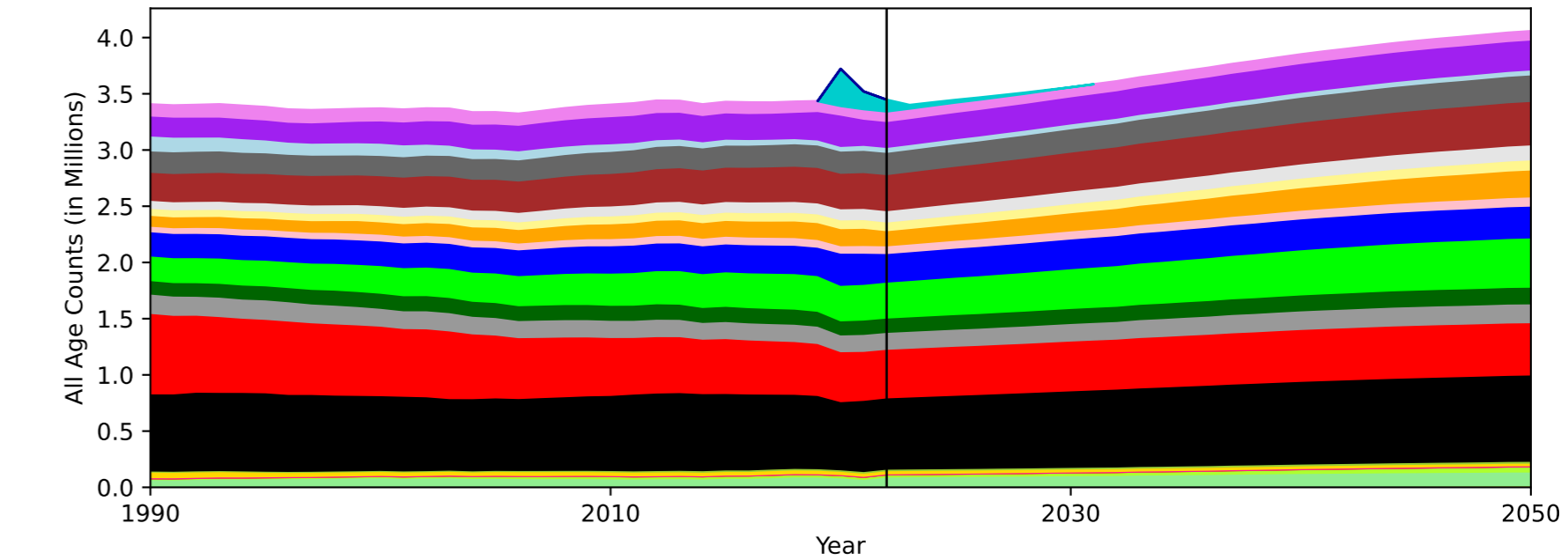
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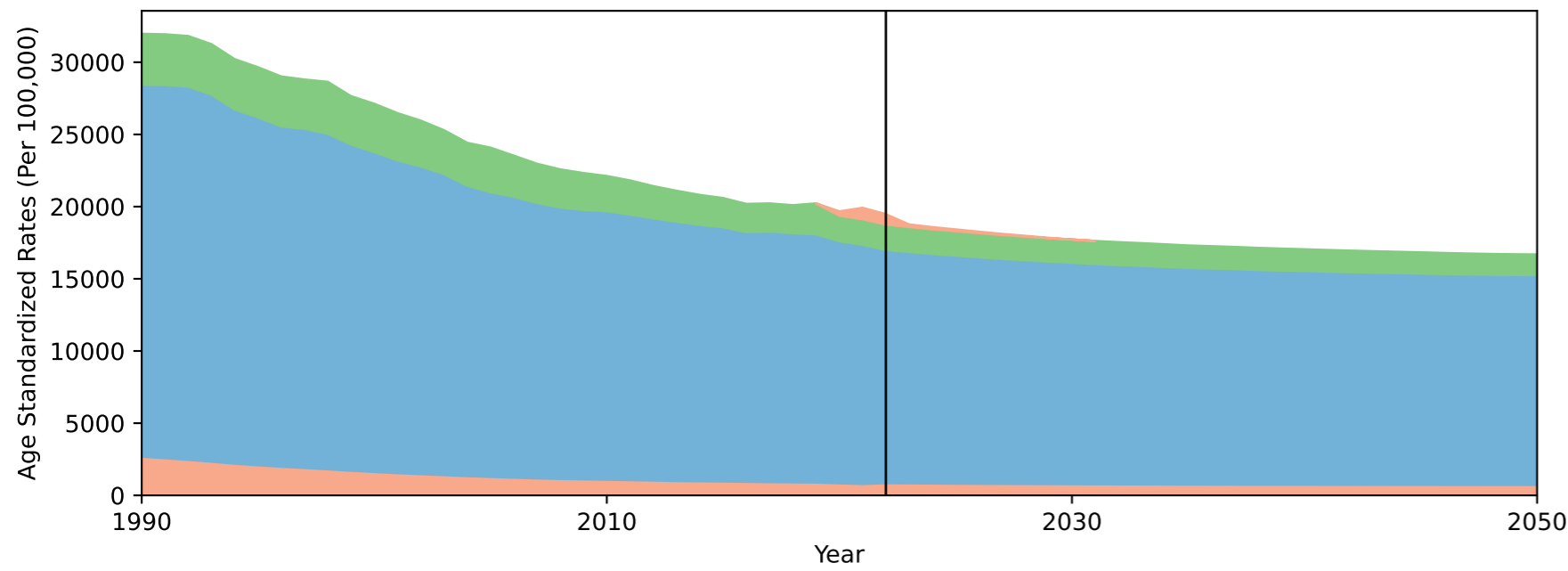


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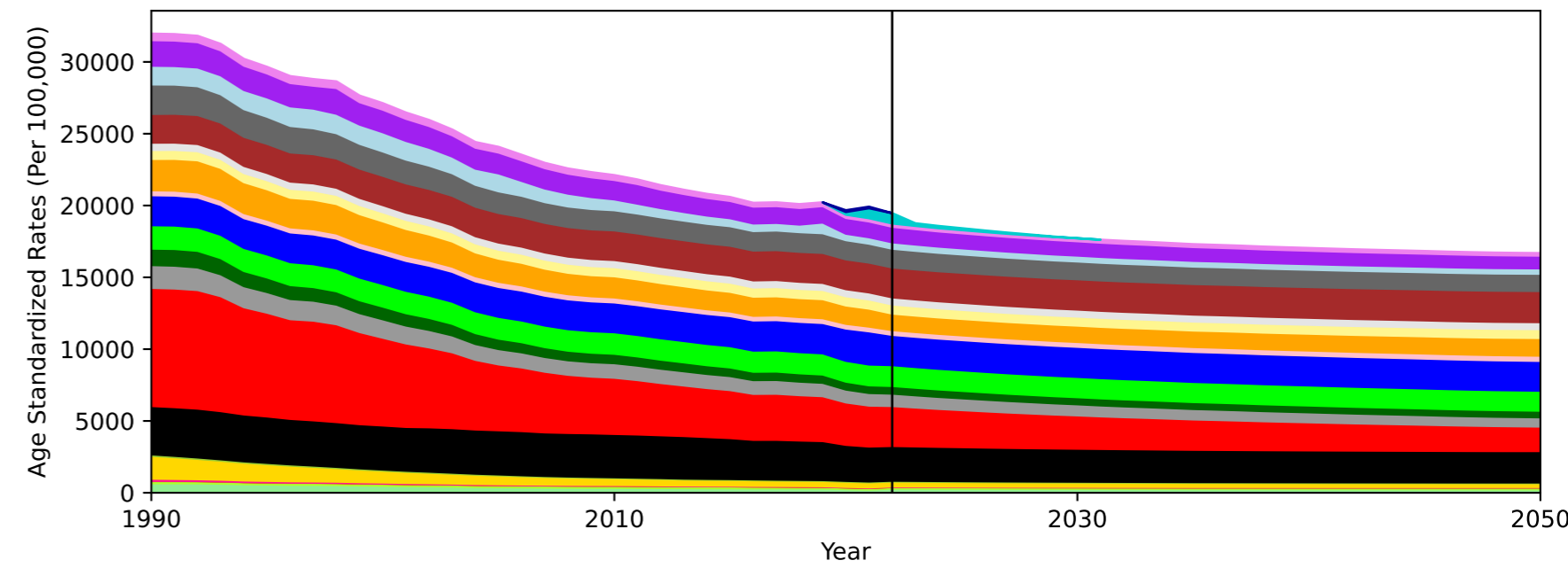


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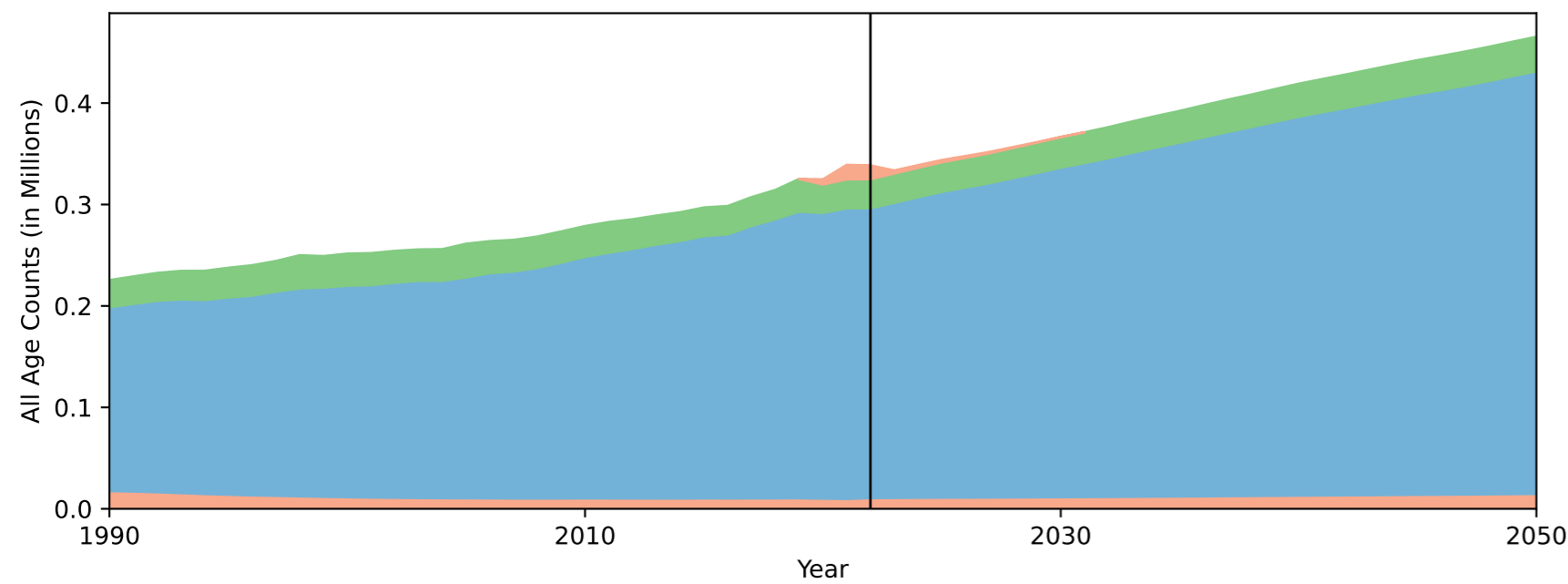
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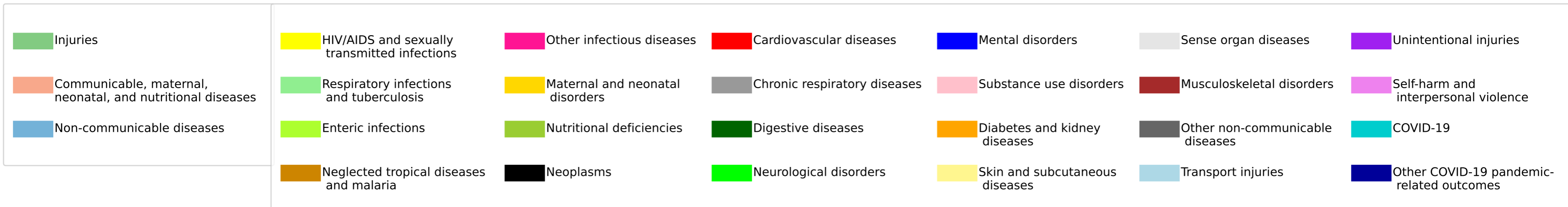
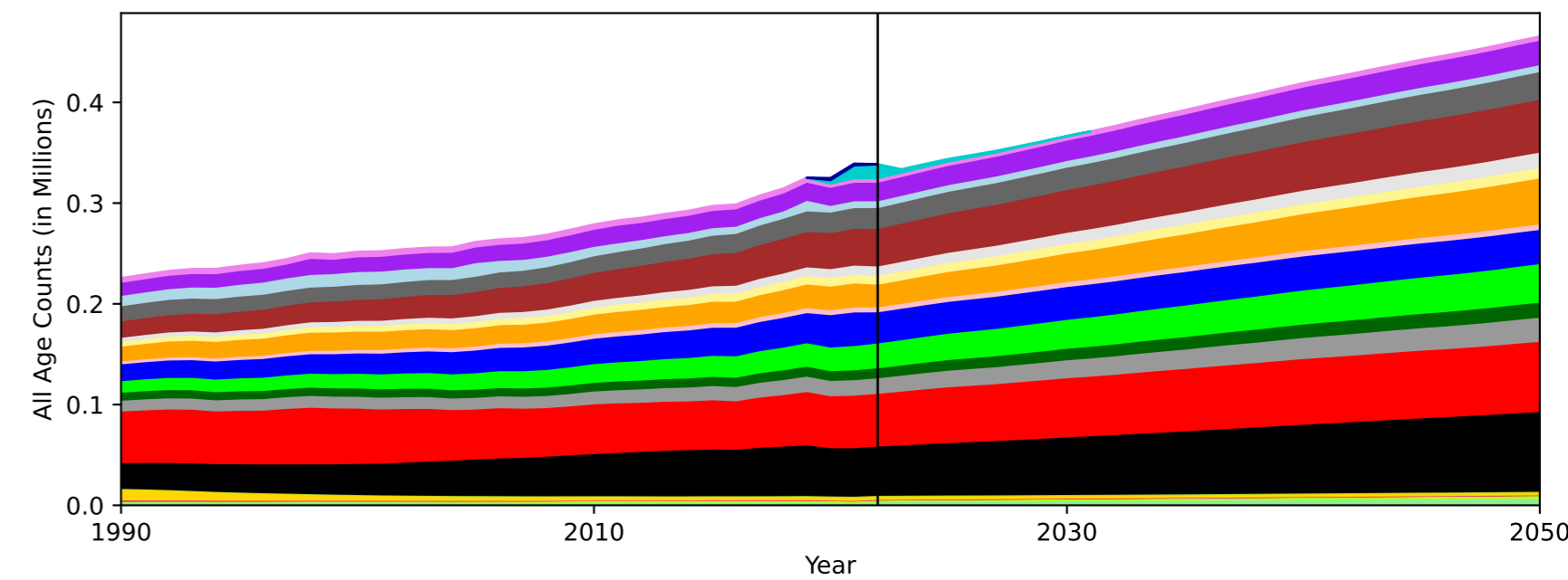
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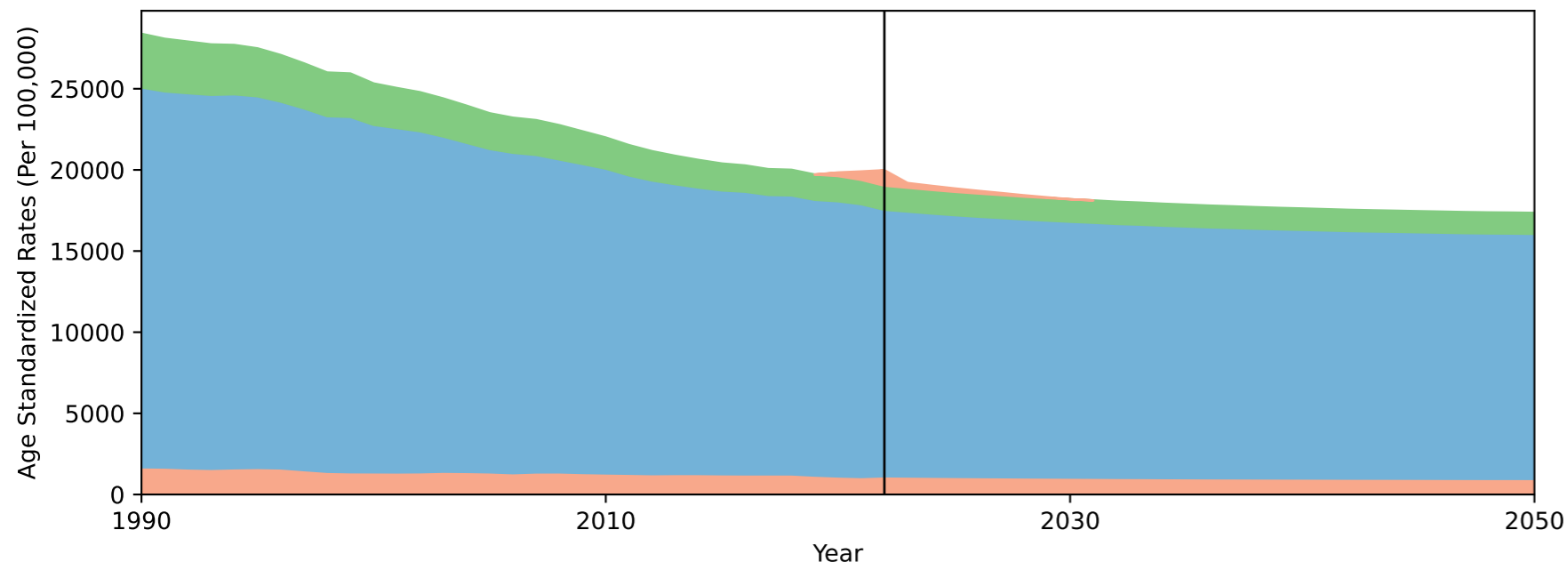


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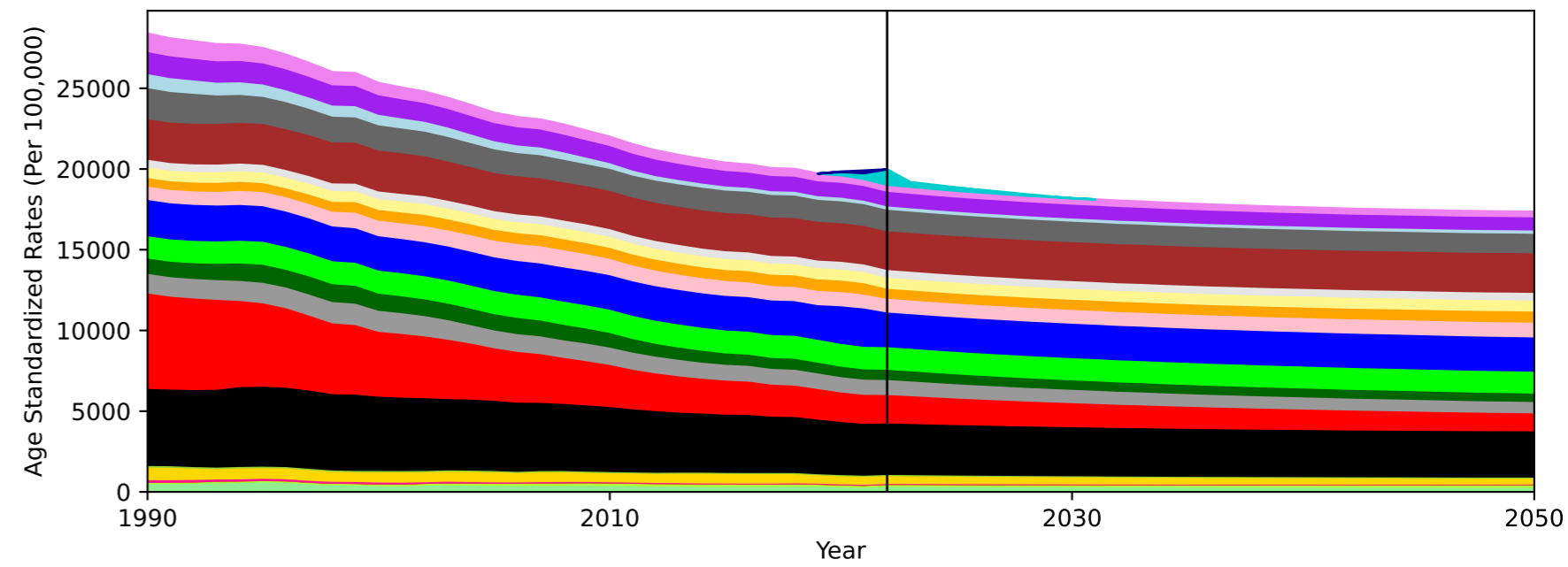


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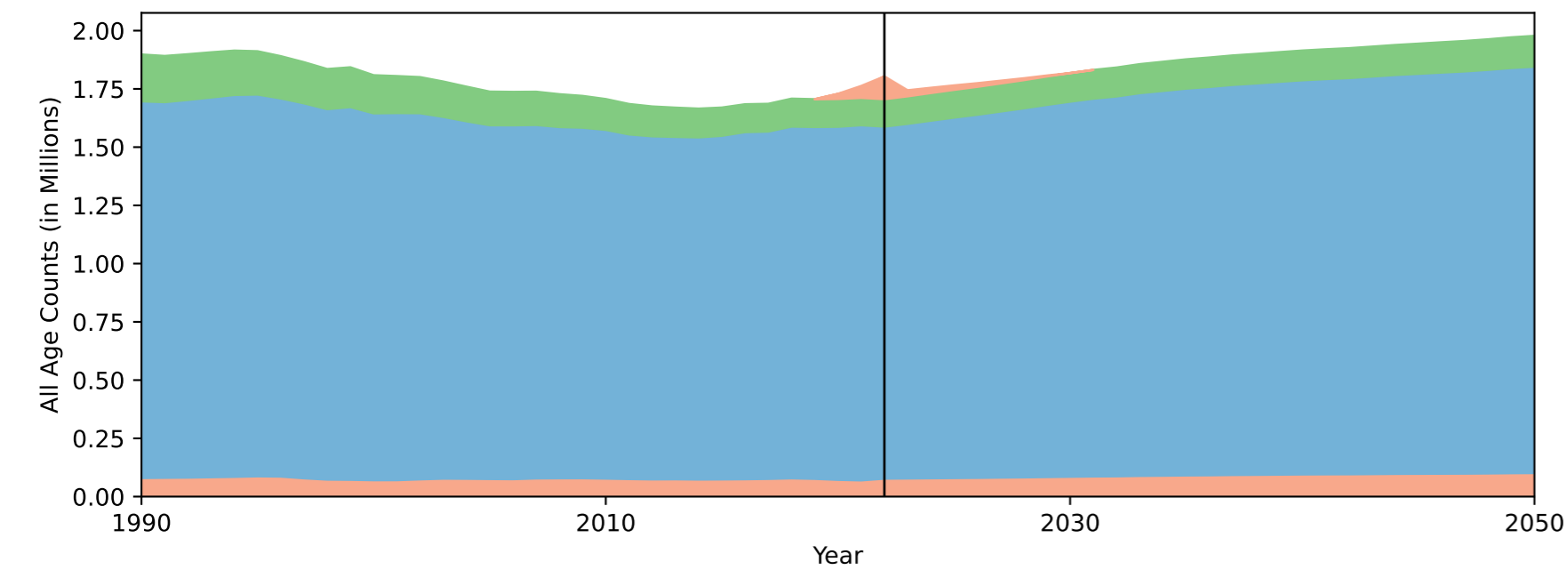
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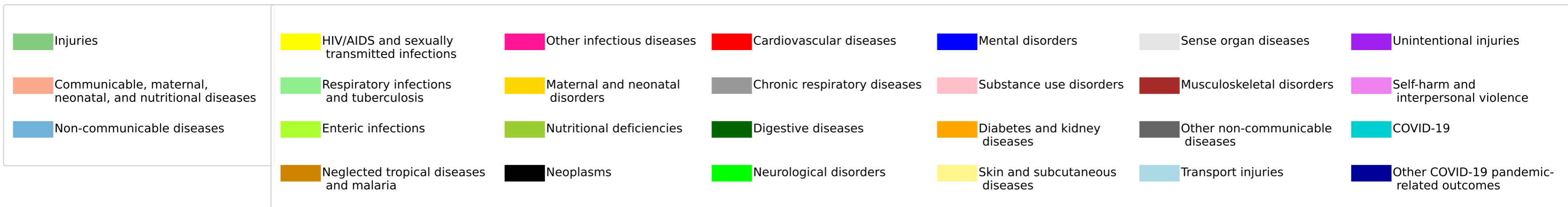
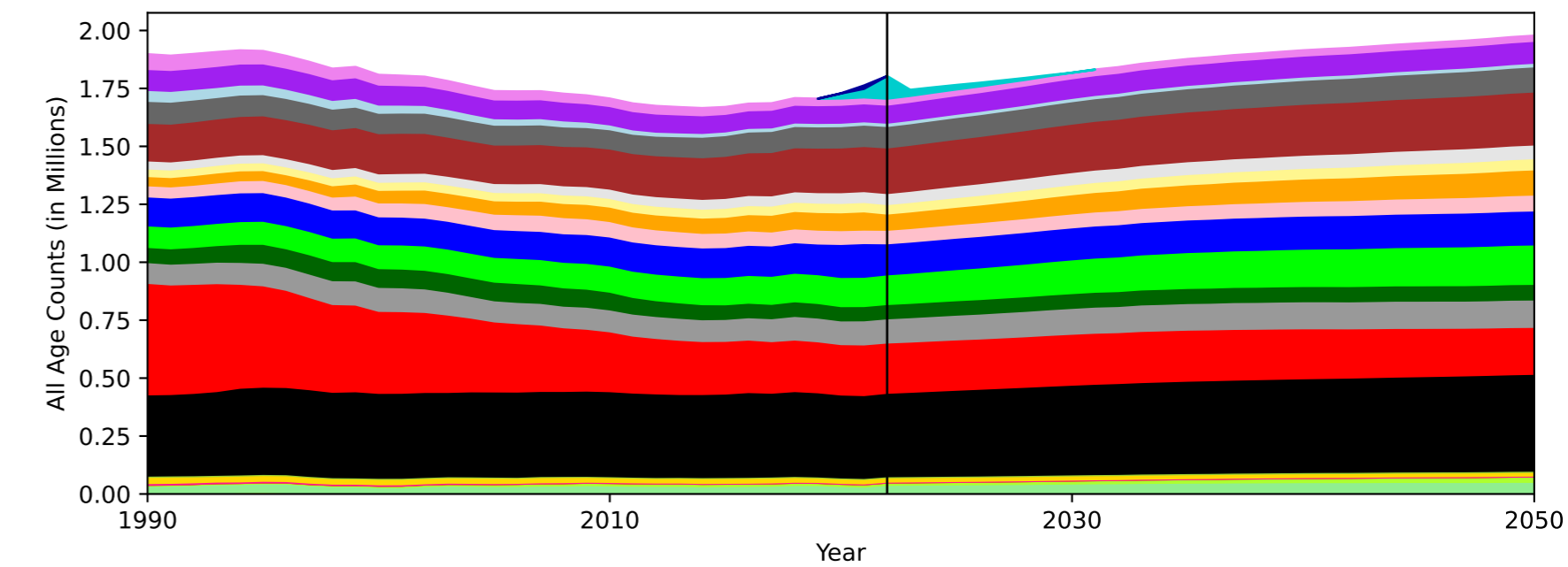
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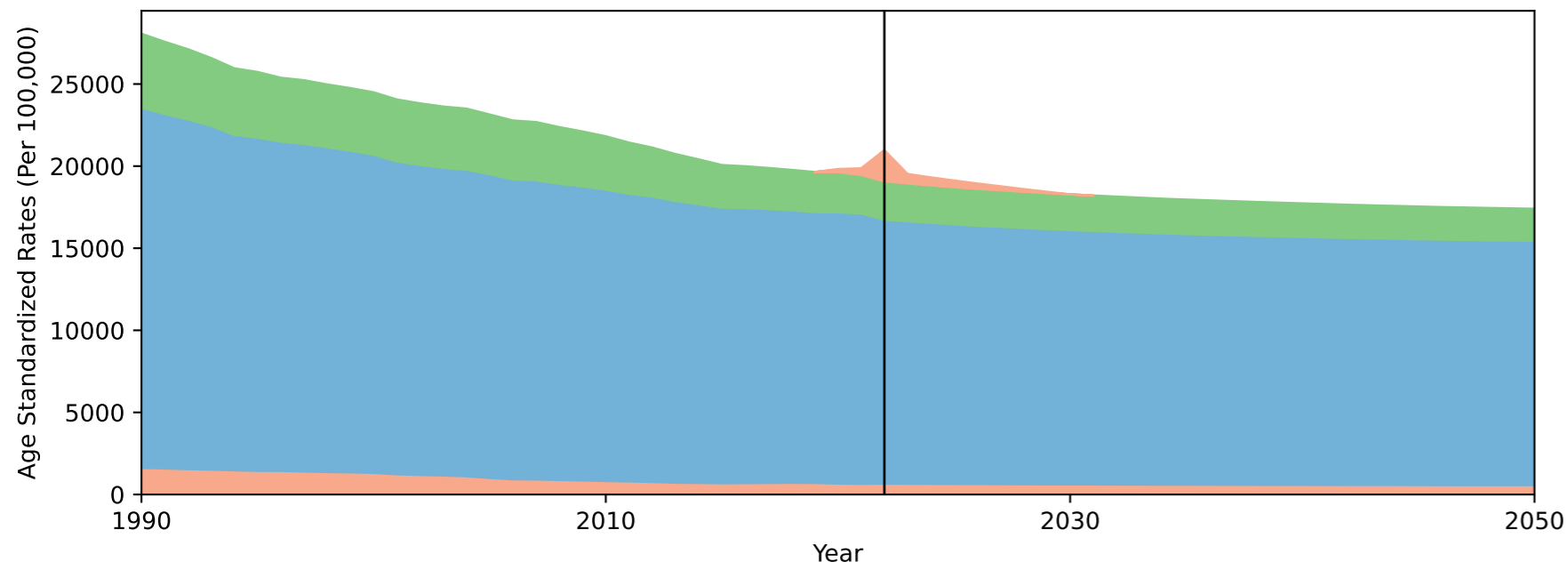
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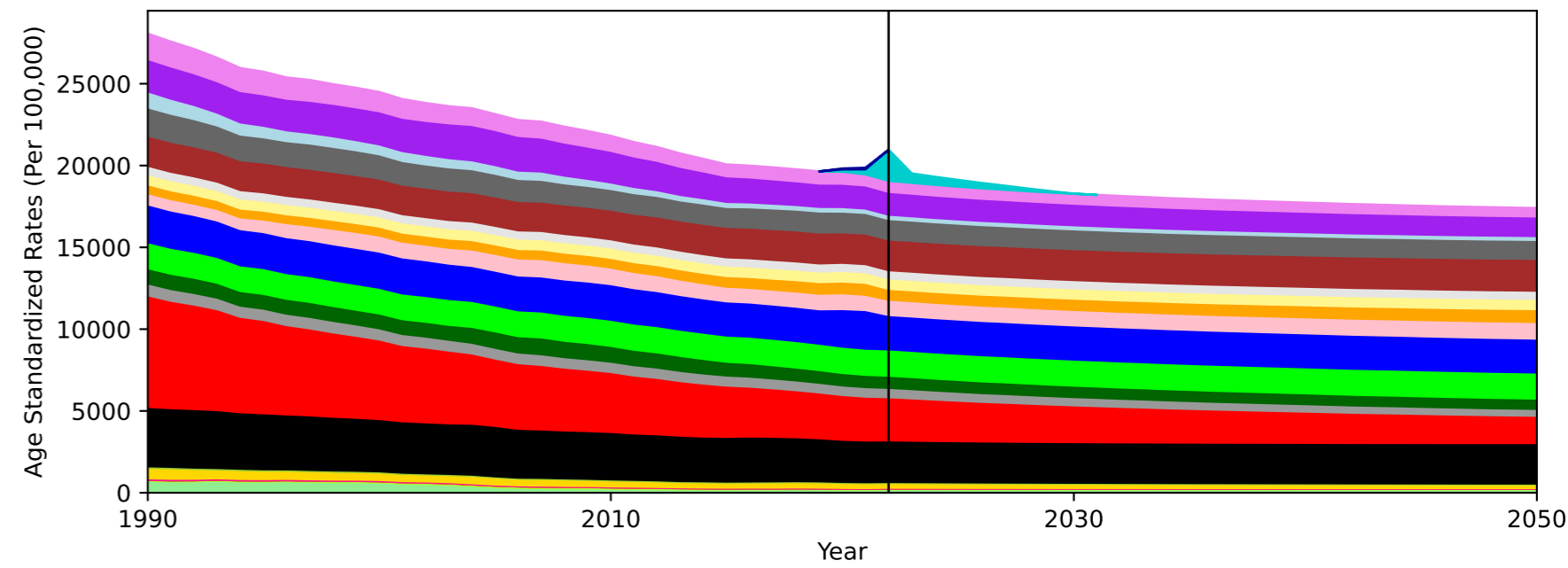
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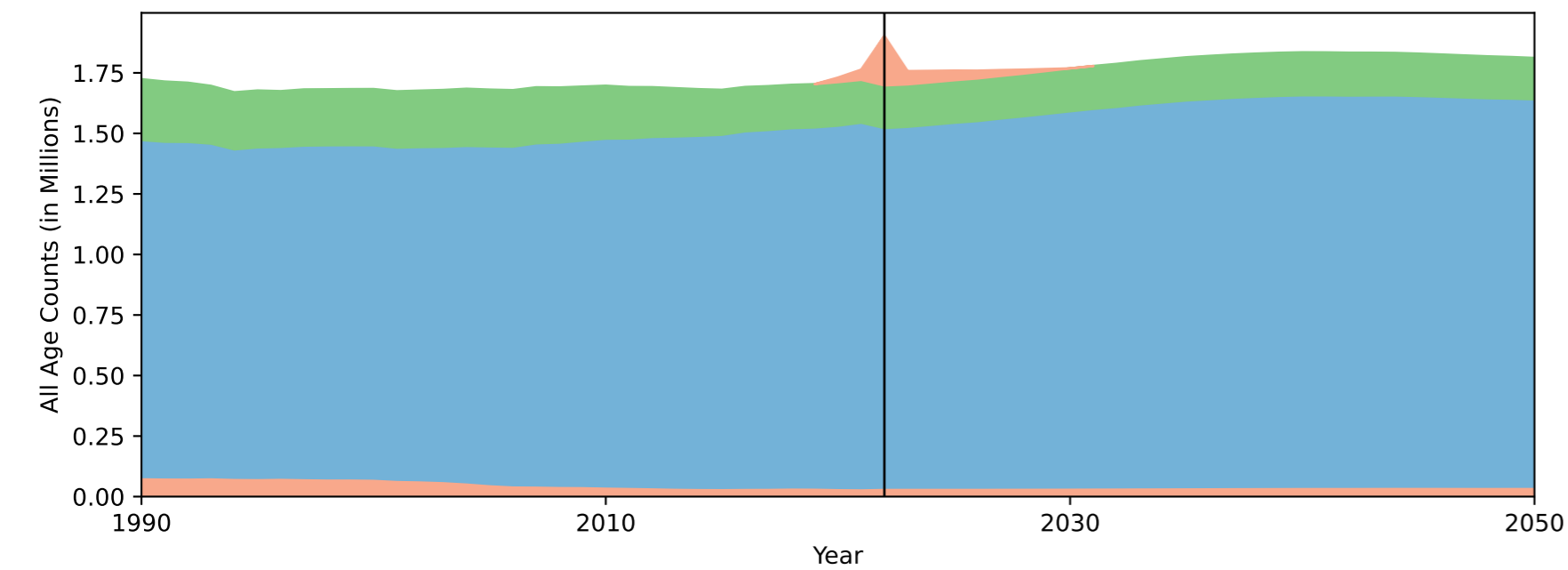
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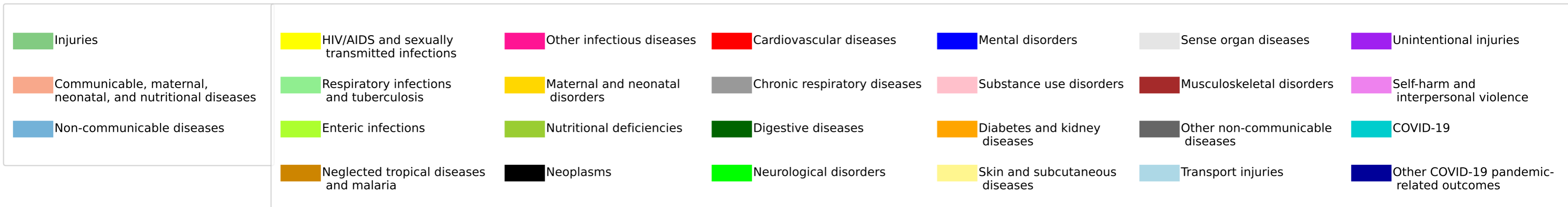
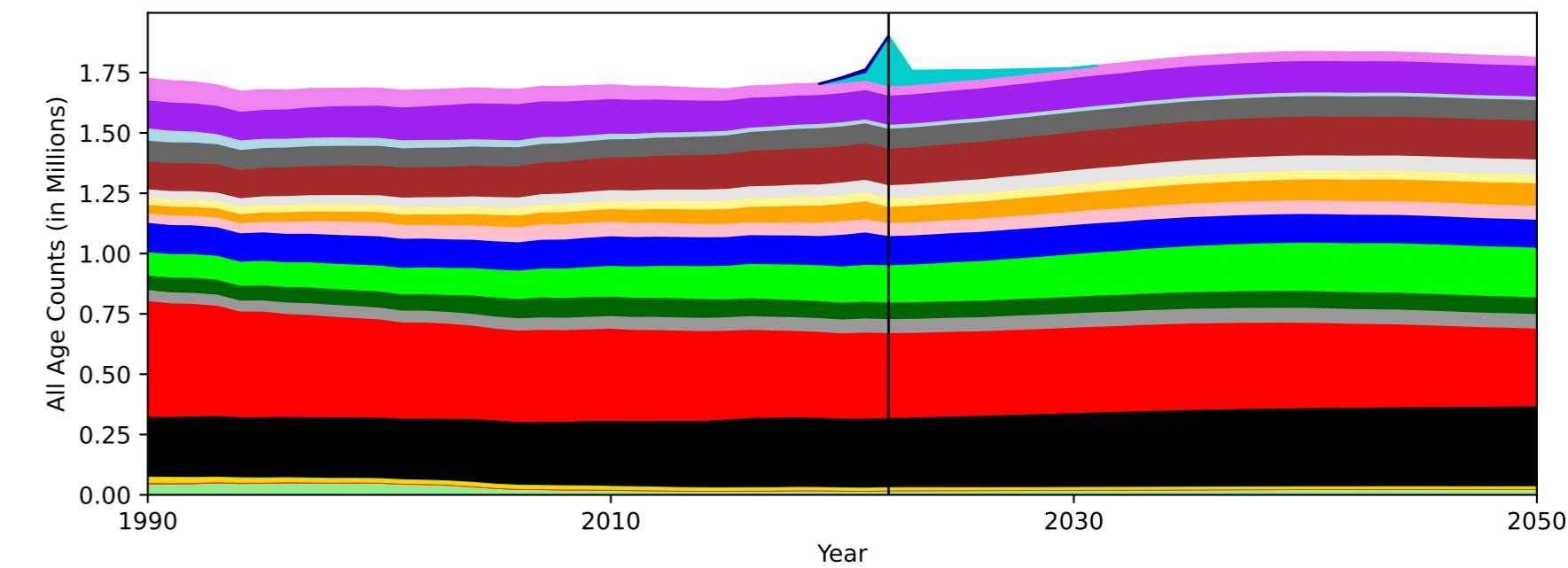
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Level 1

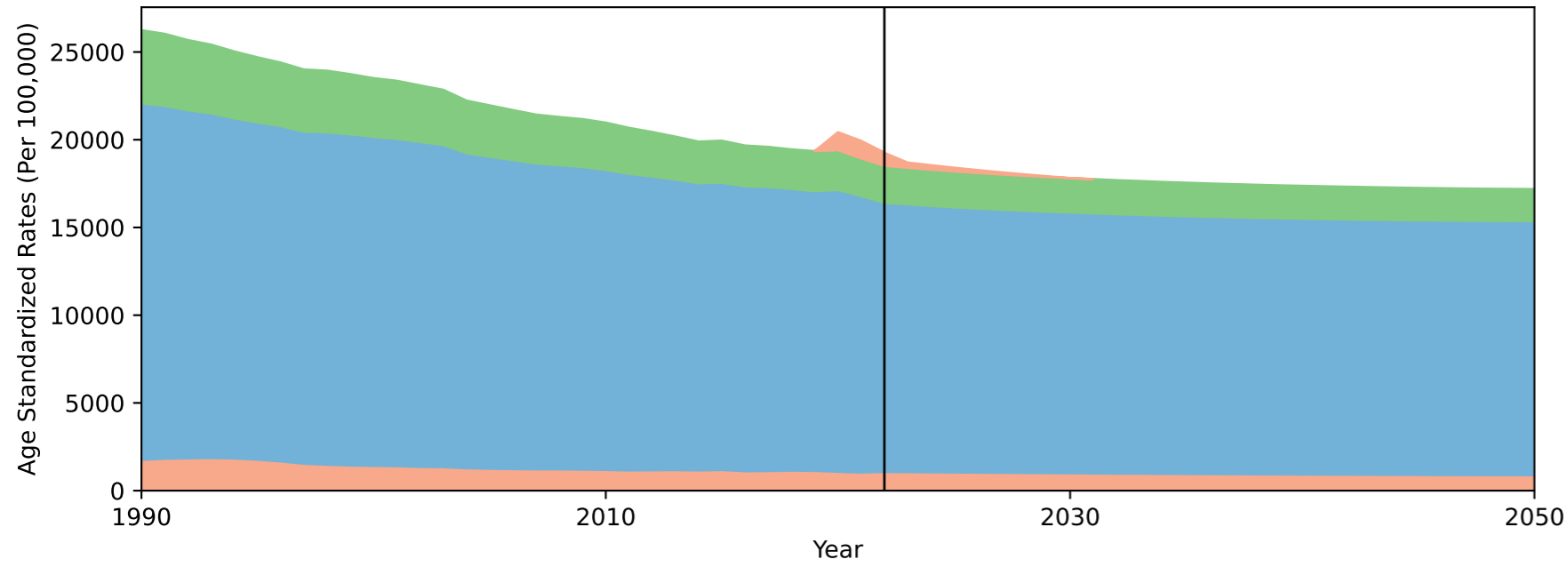


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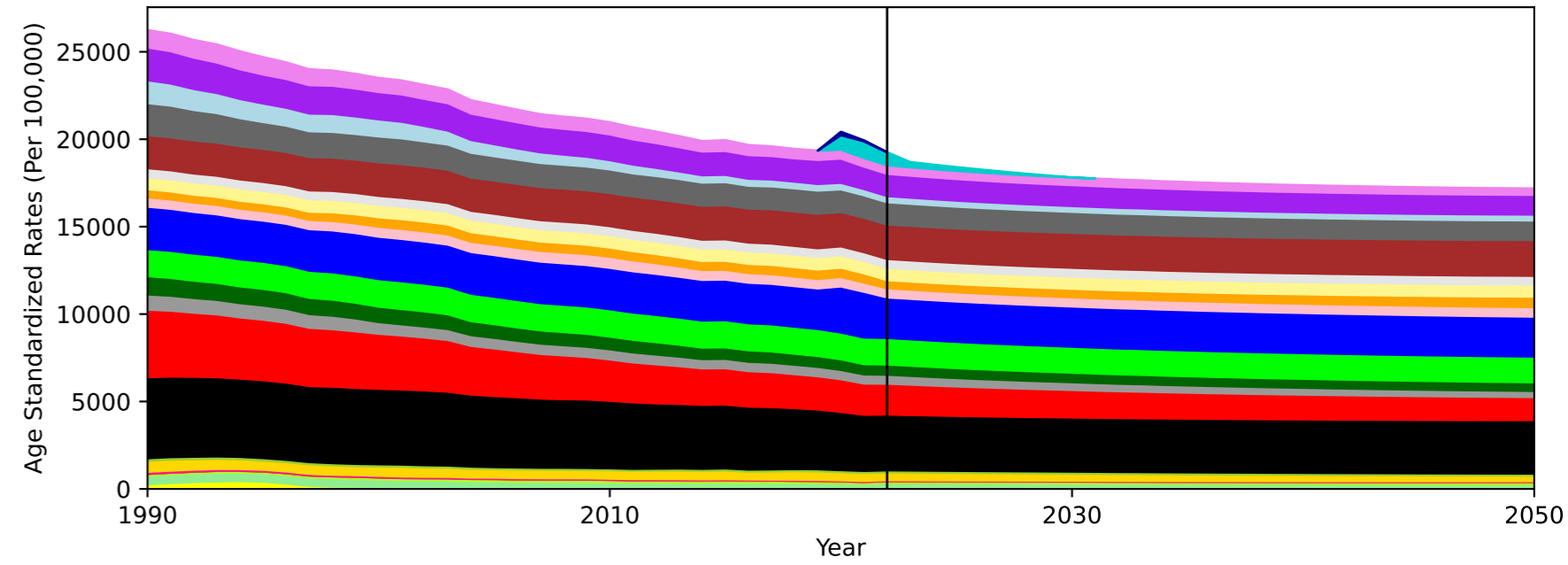


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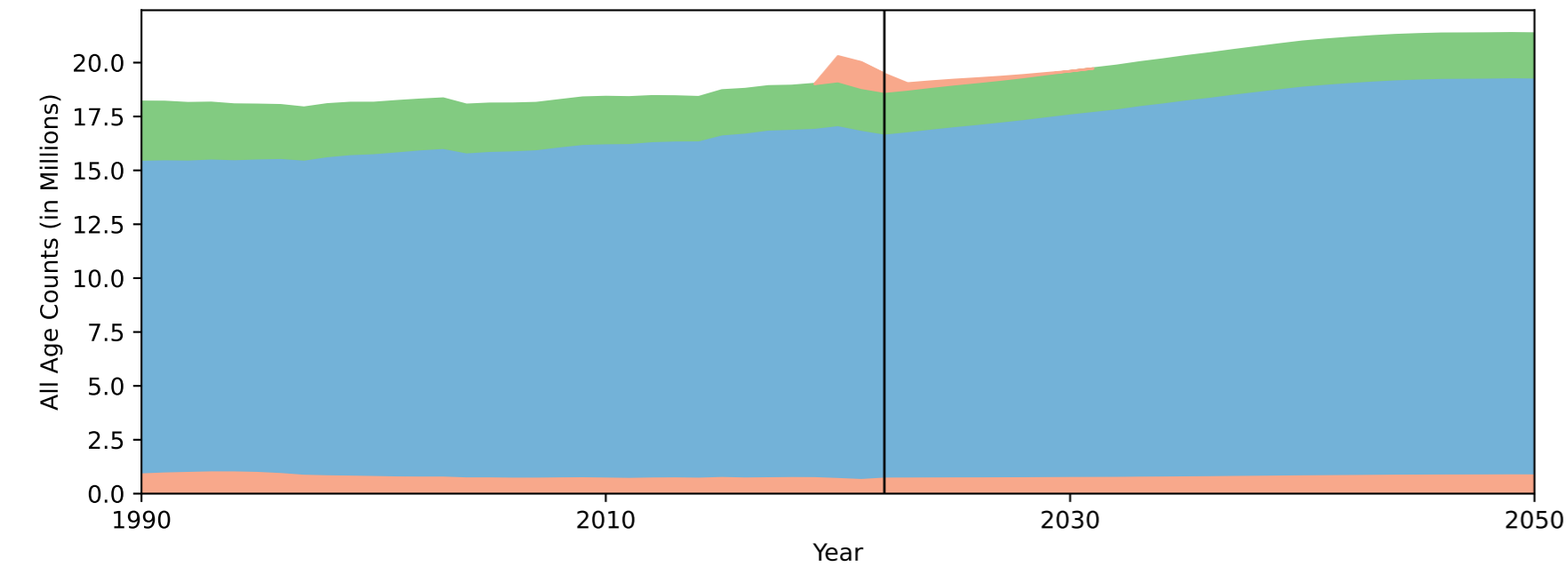
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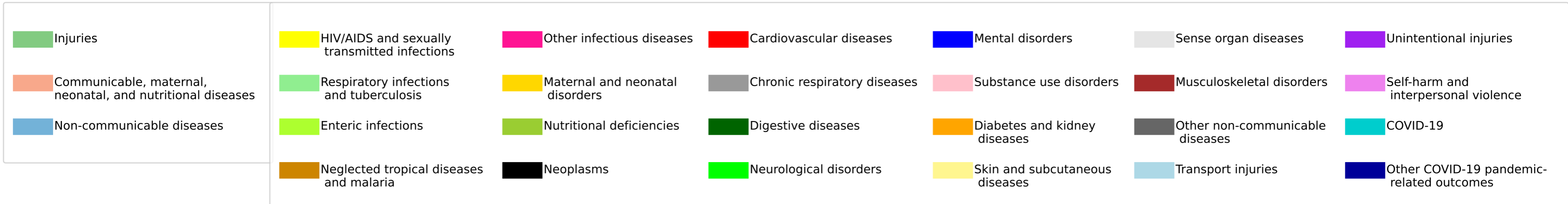
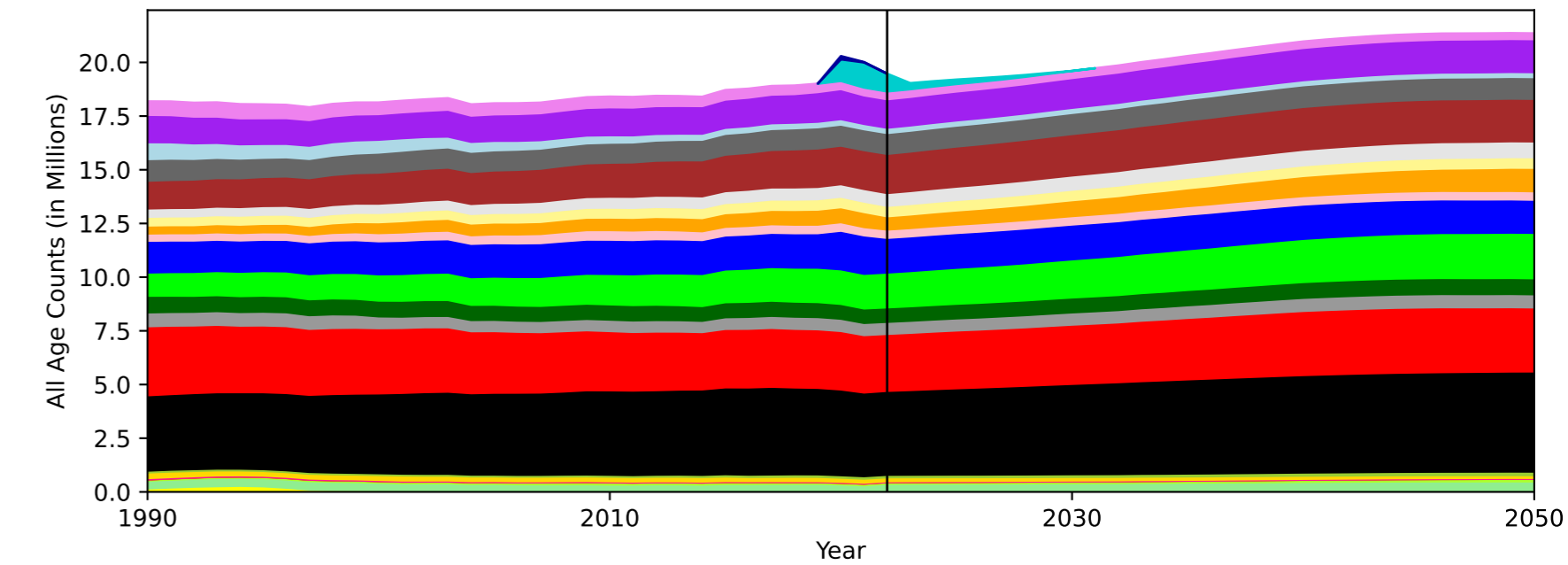
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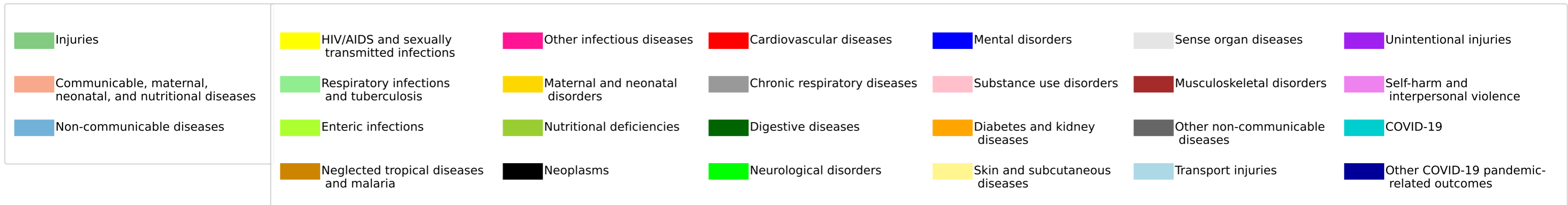
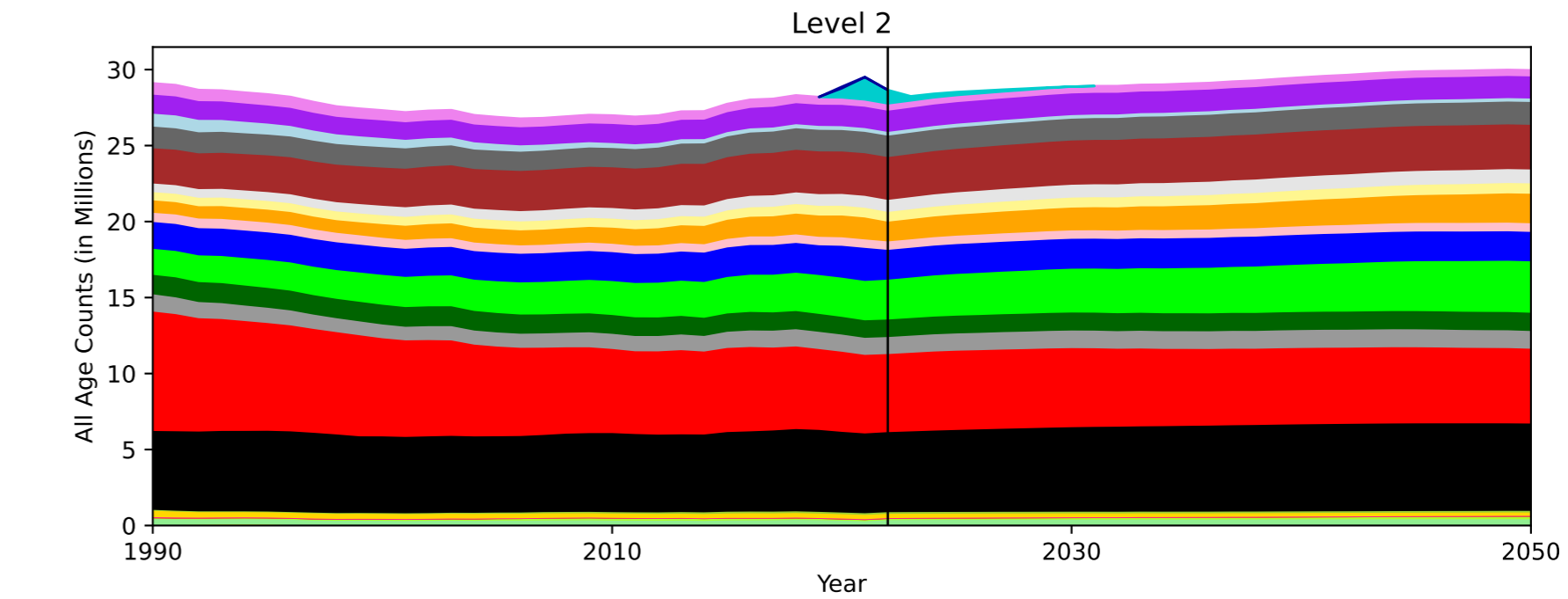
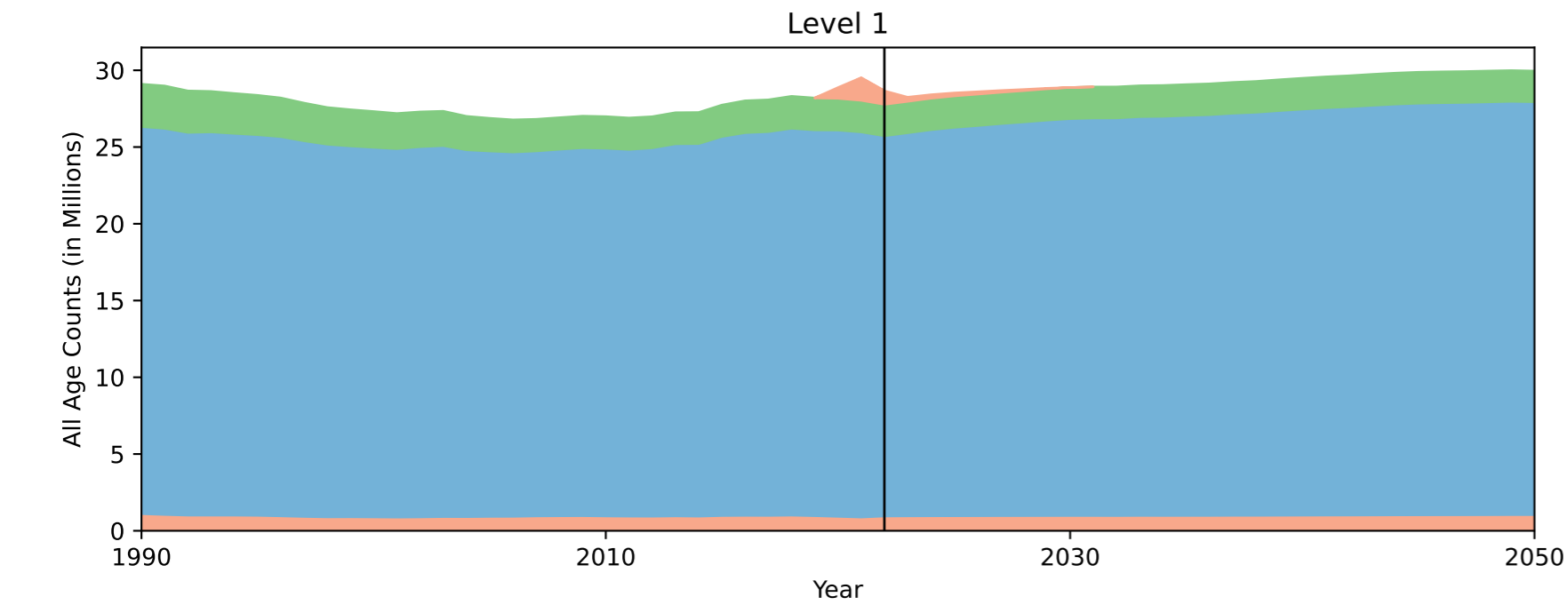
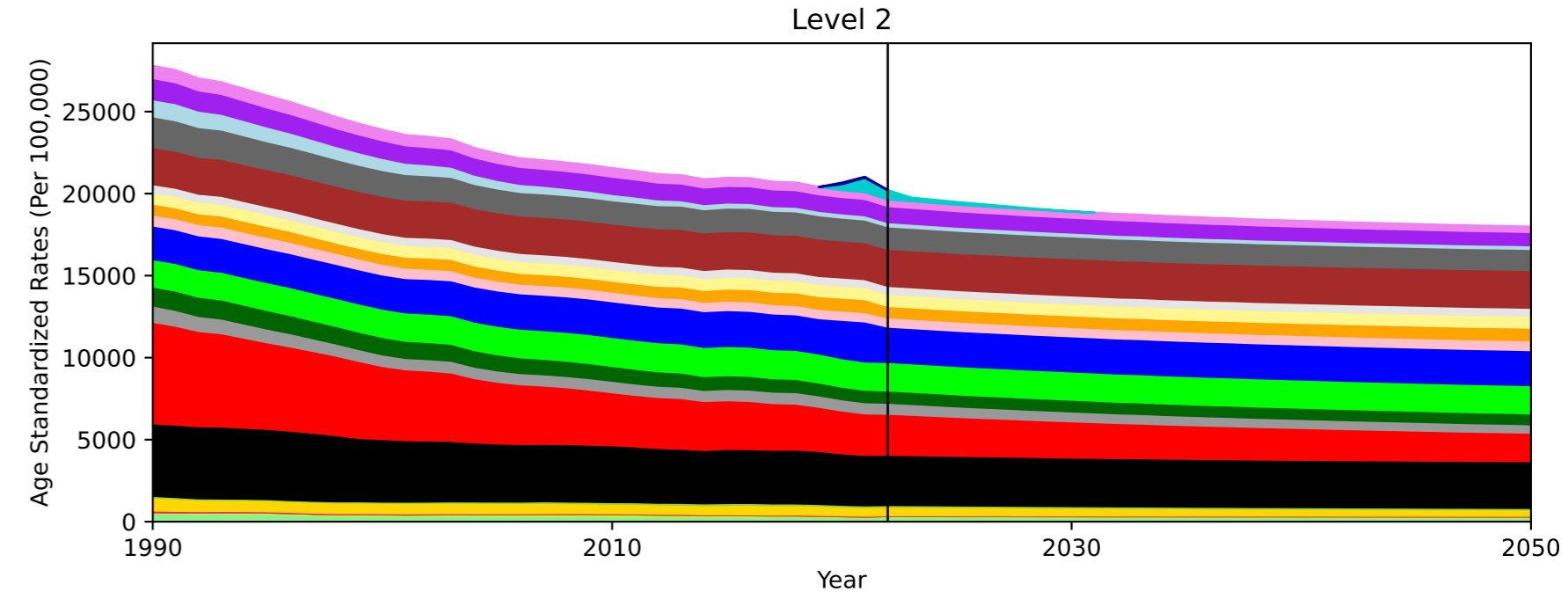
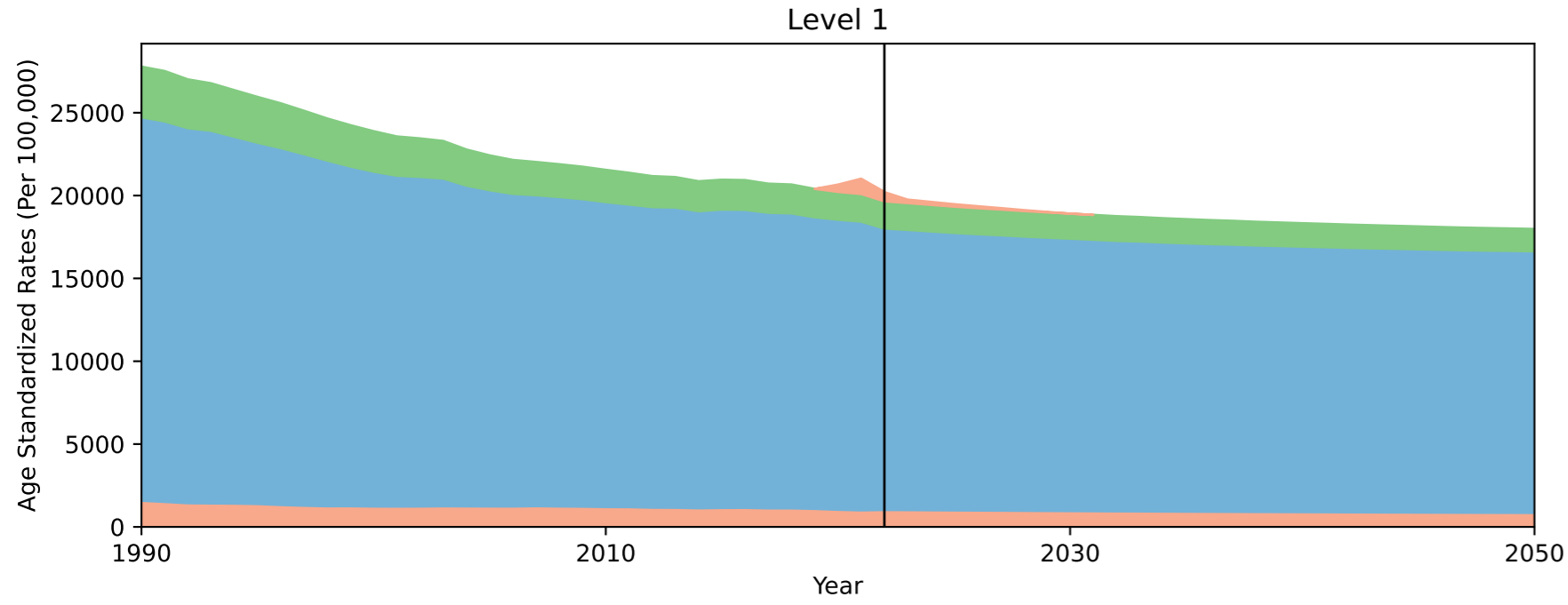
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Level 2



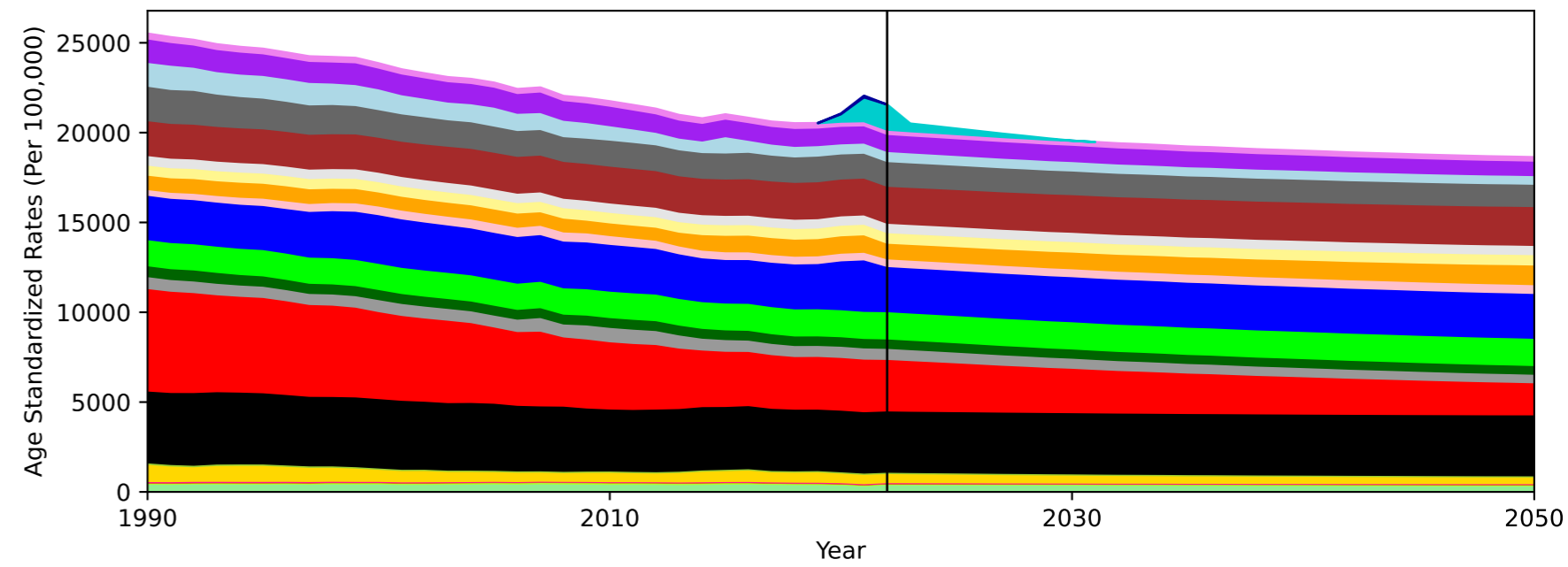
# Germany



Level 1



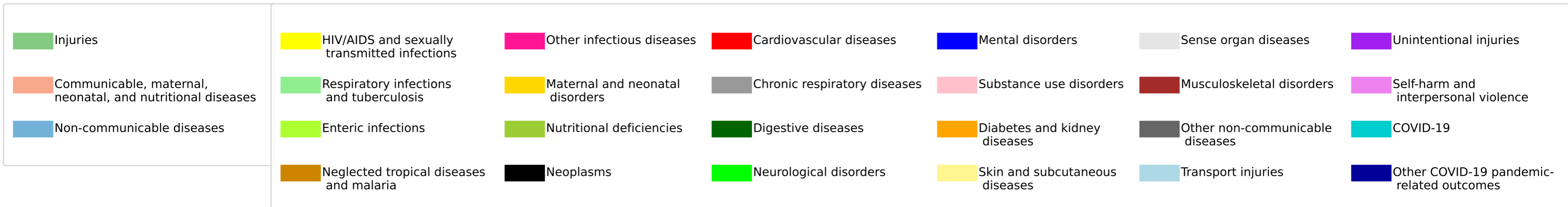
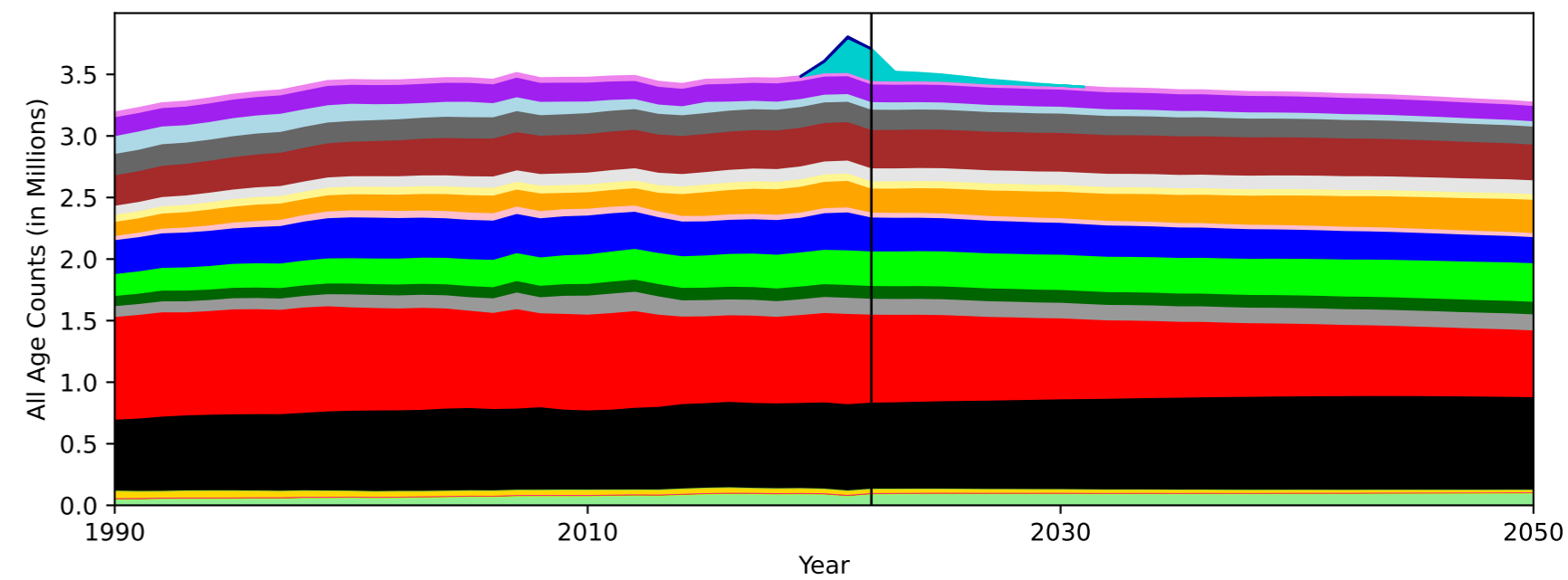
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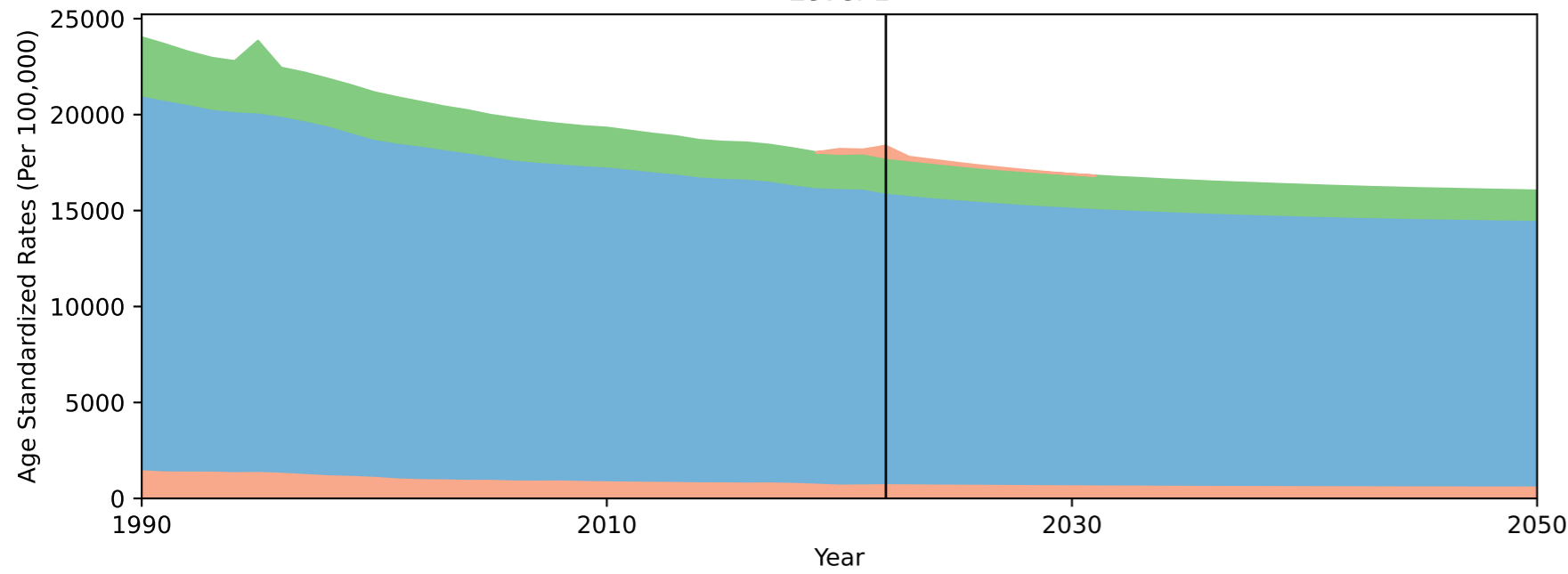
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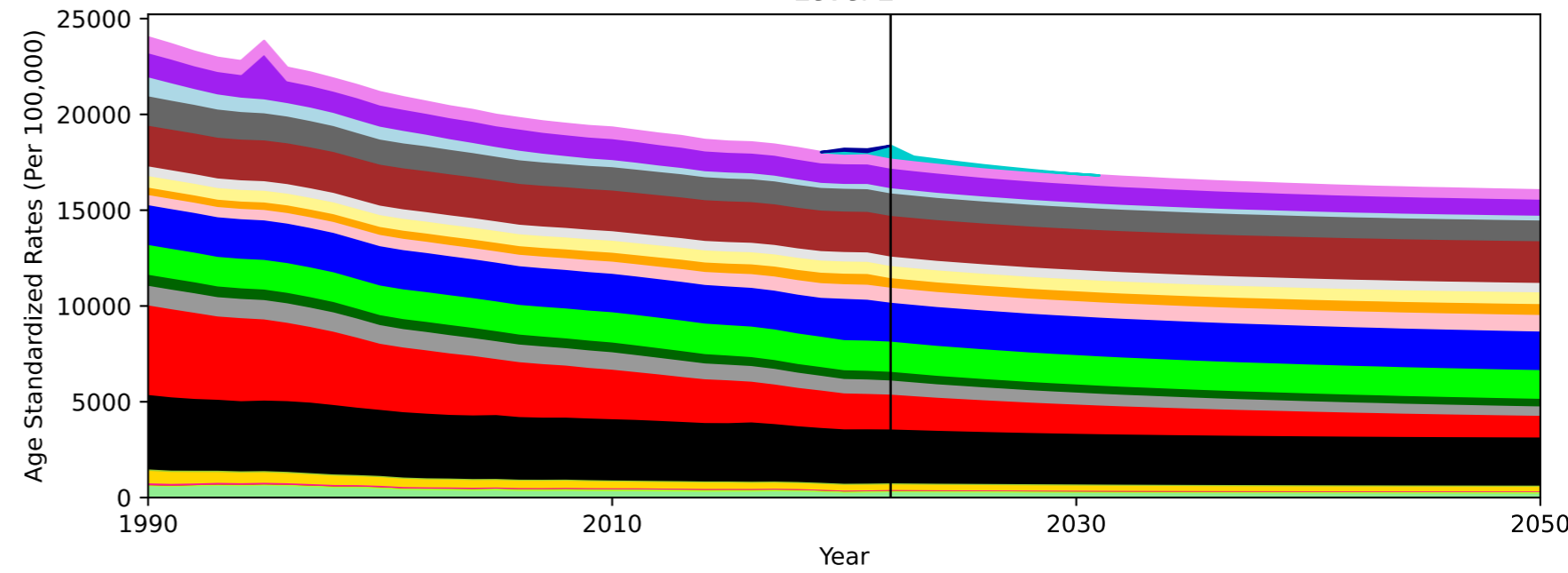
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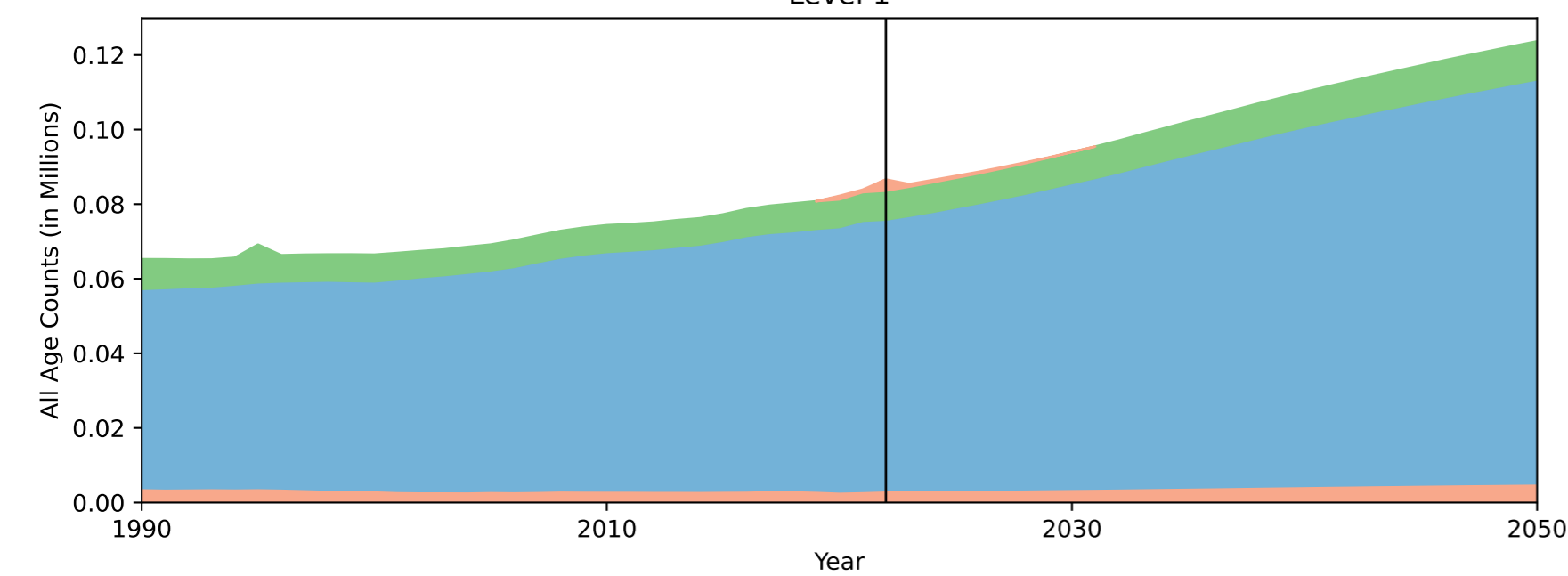
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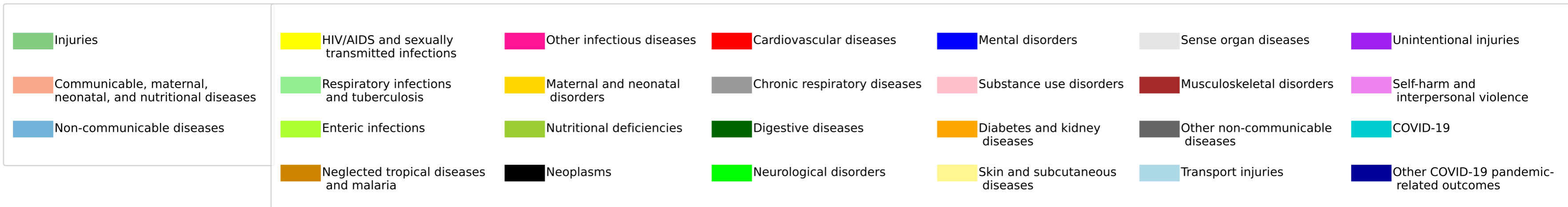
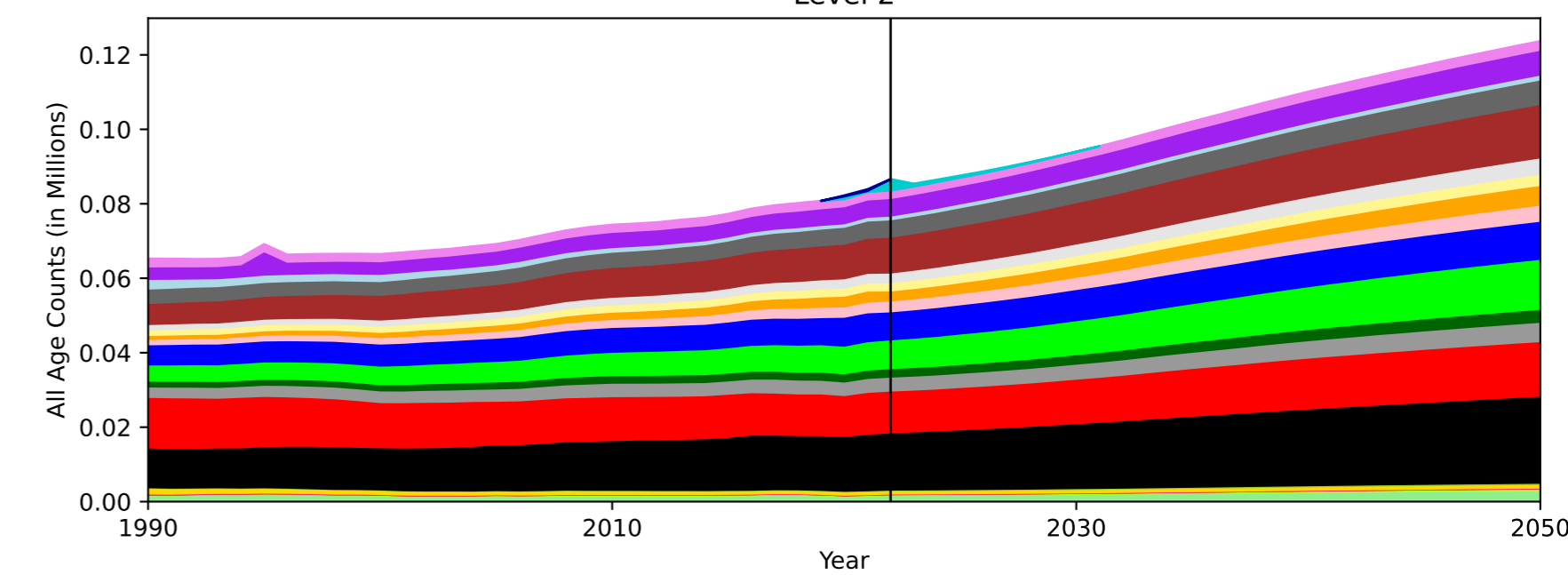
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Level 1

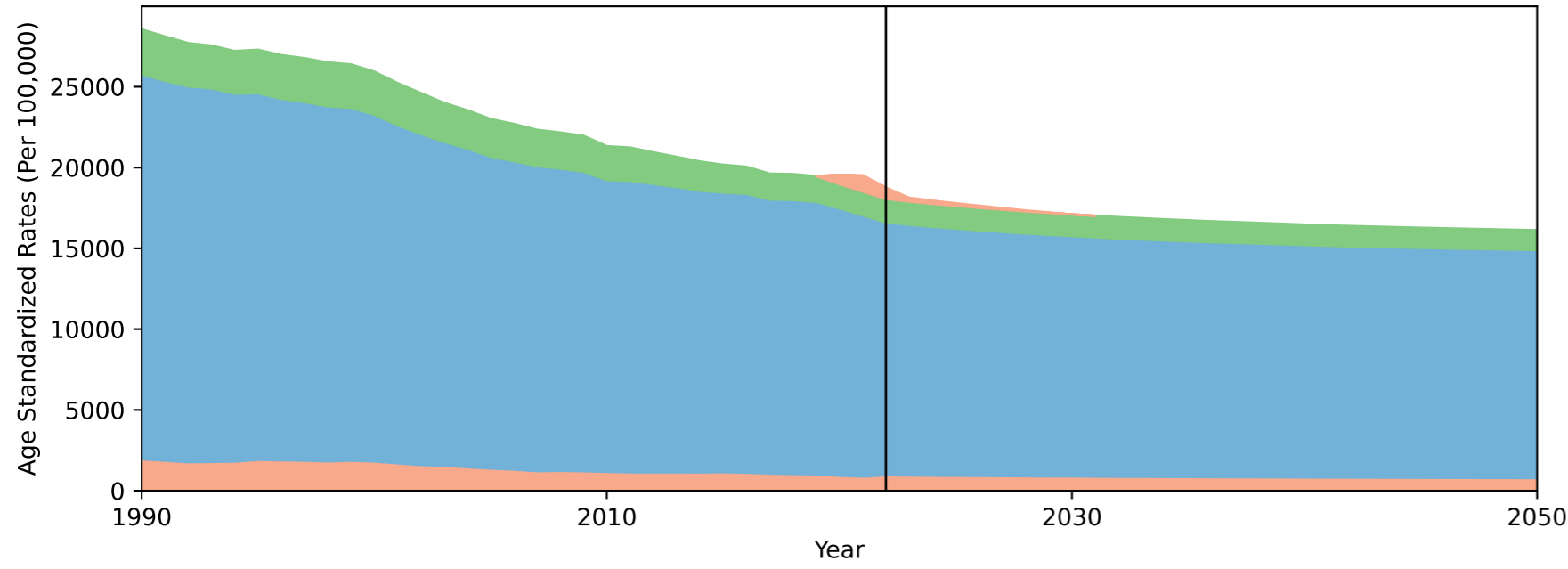


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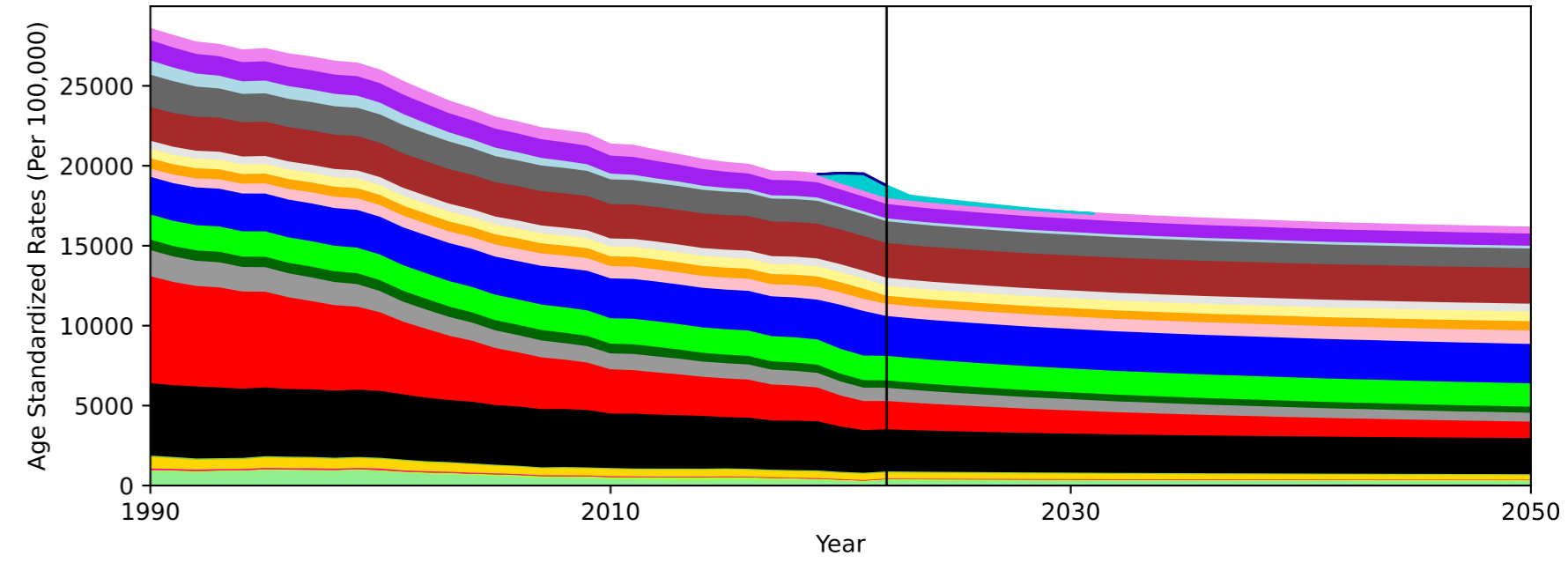




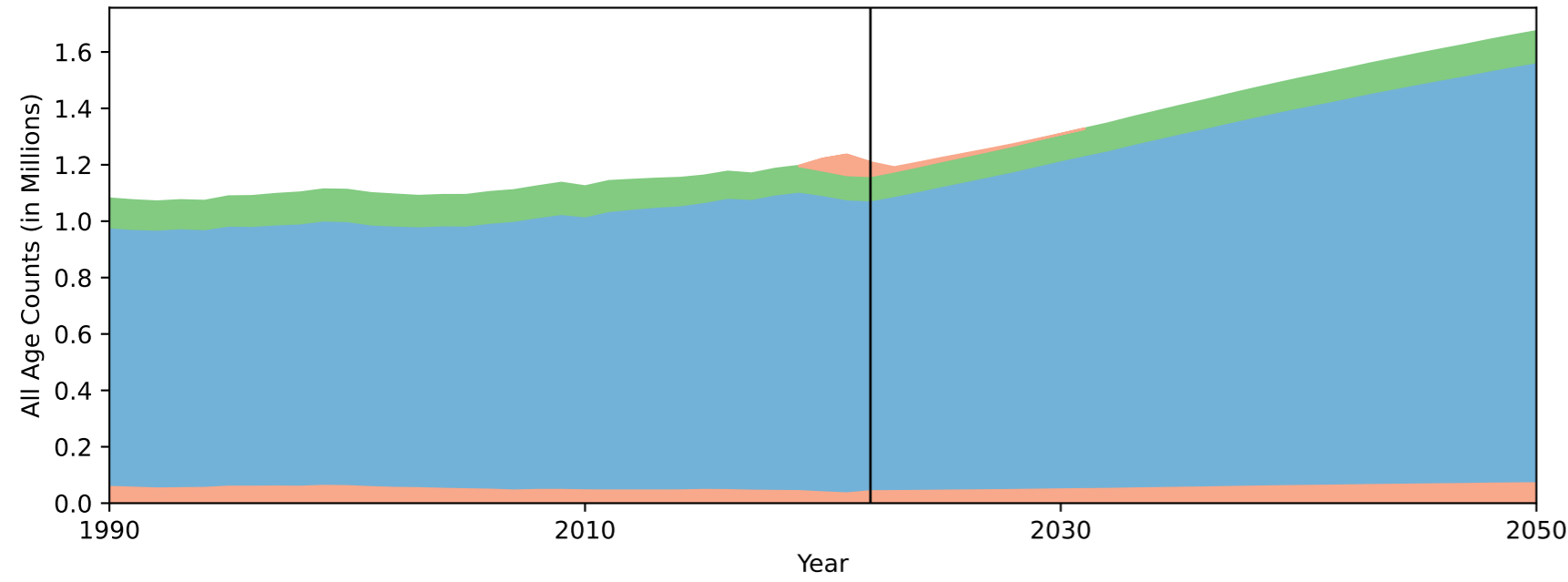
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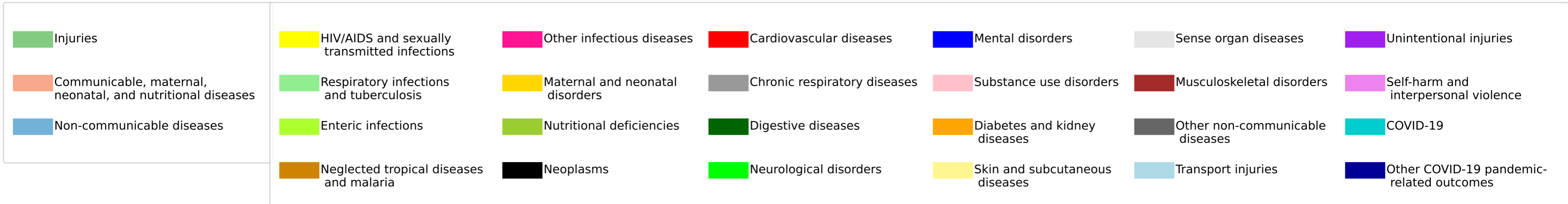
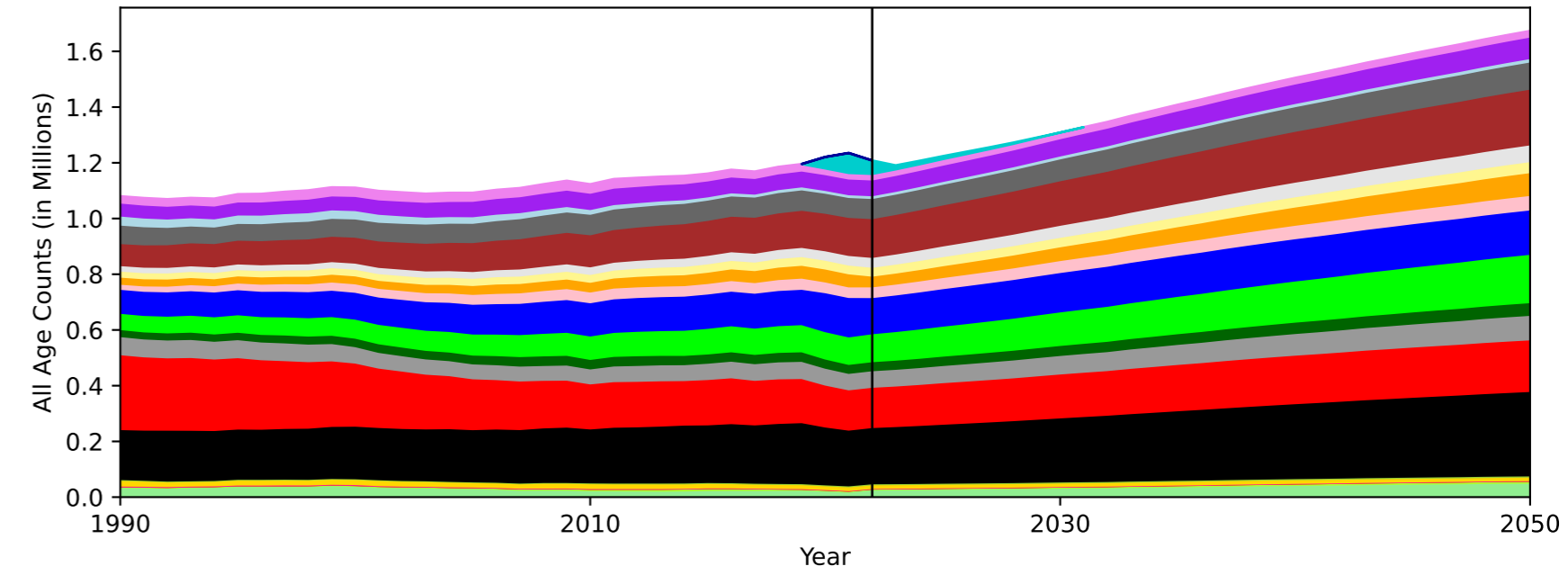
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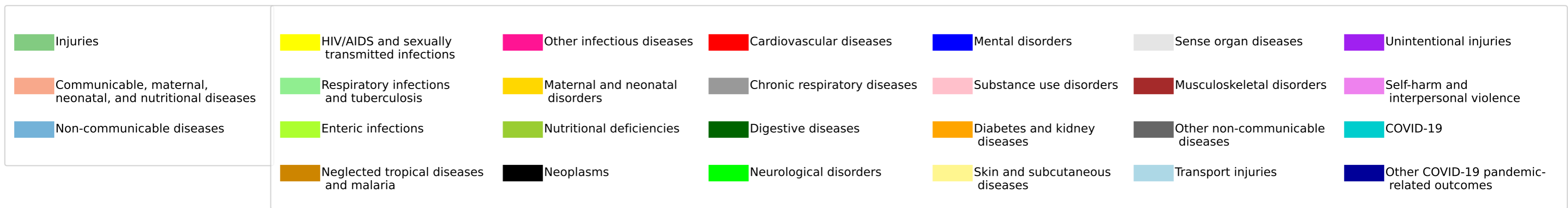
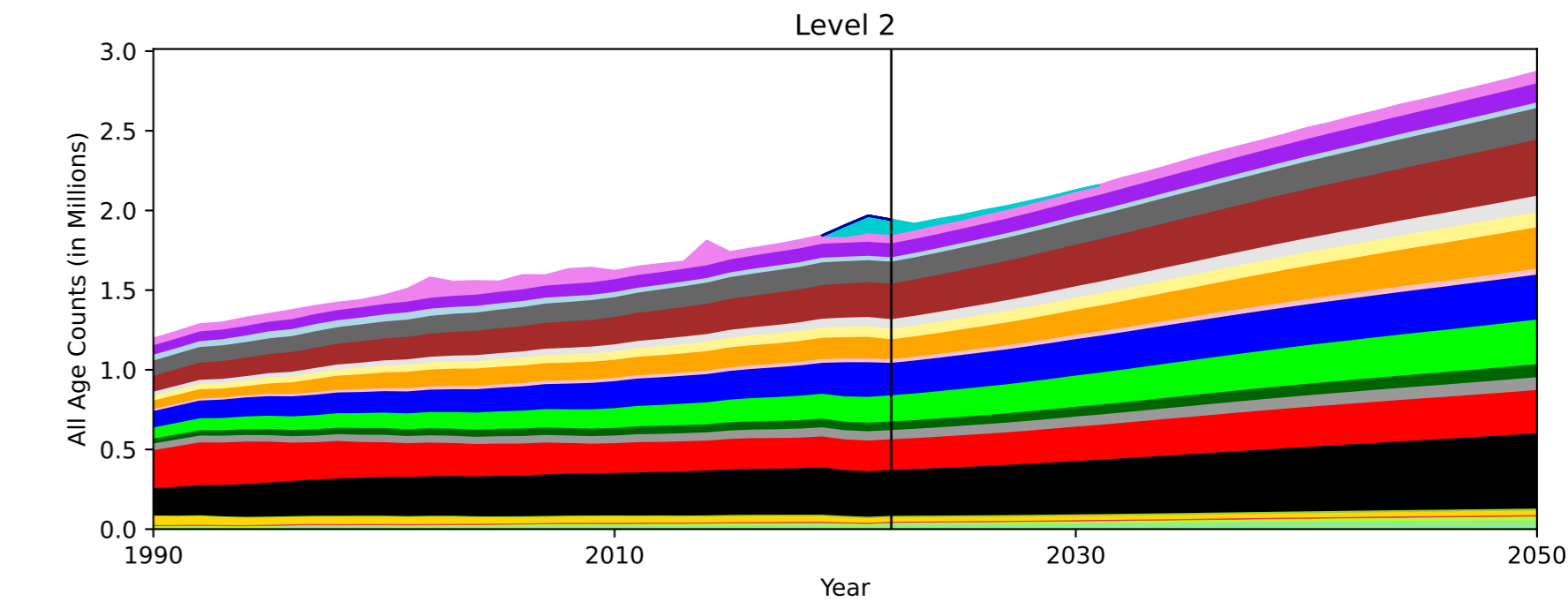
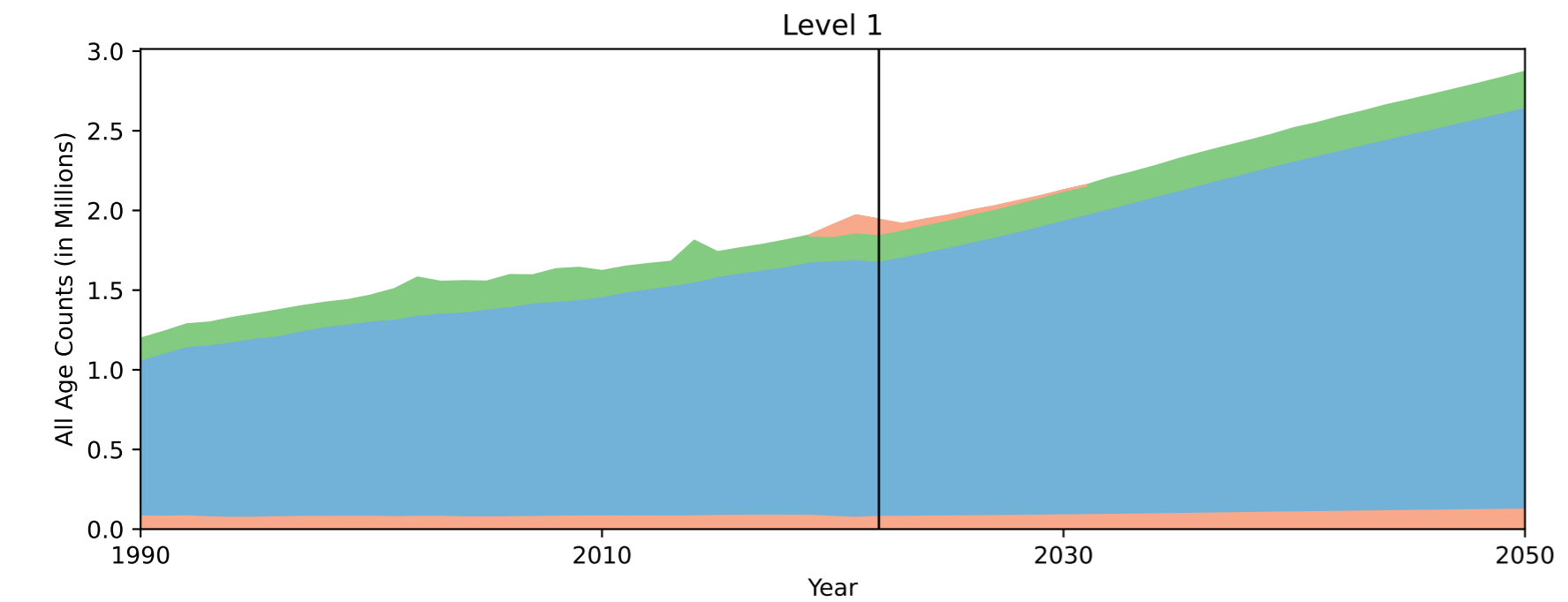
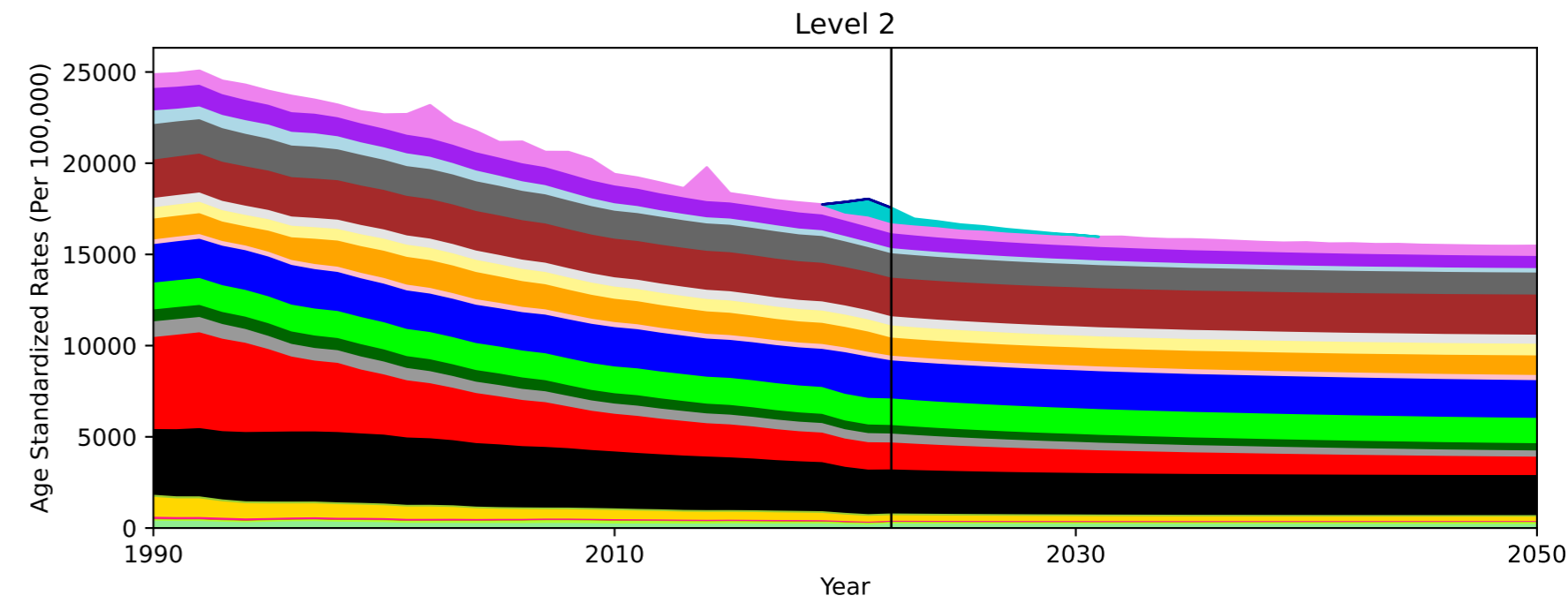
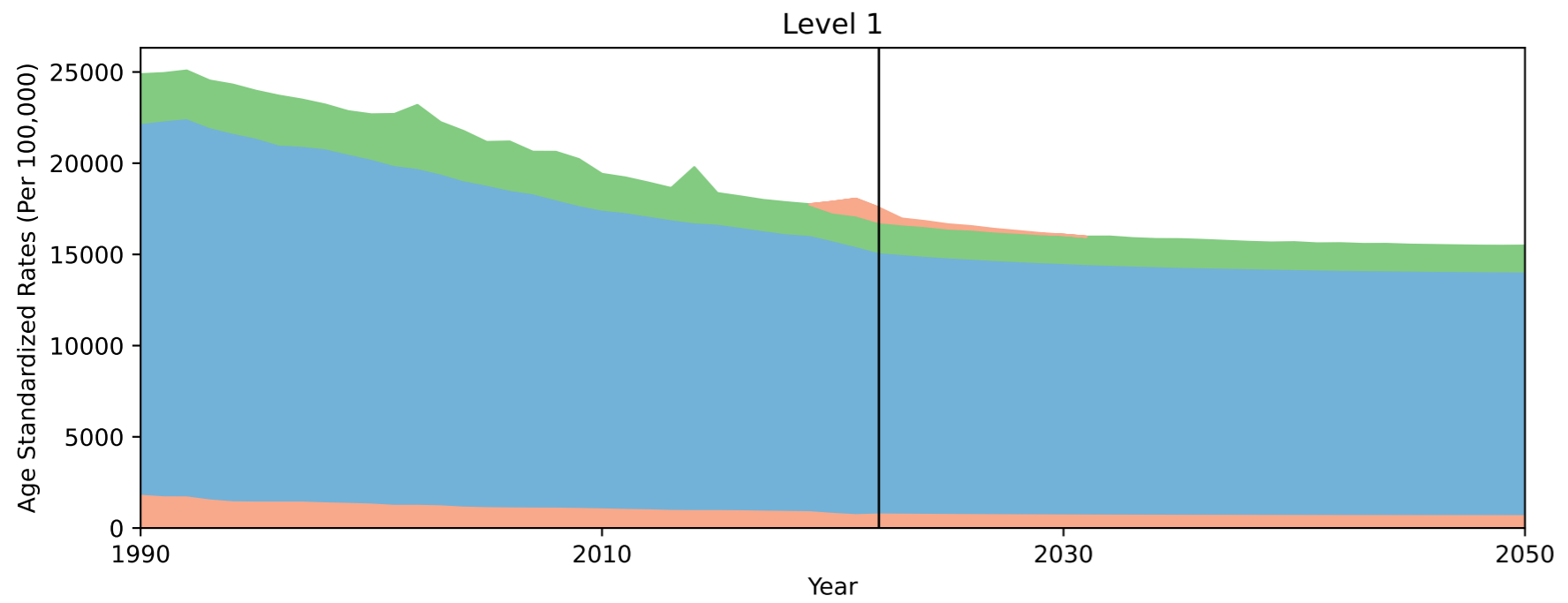
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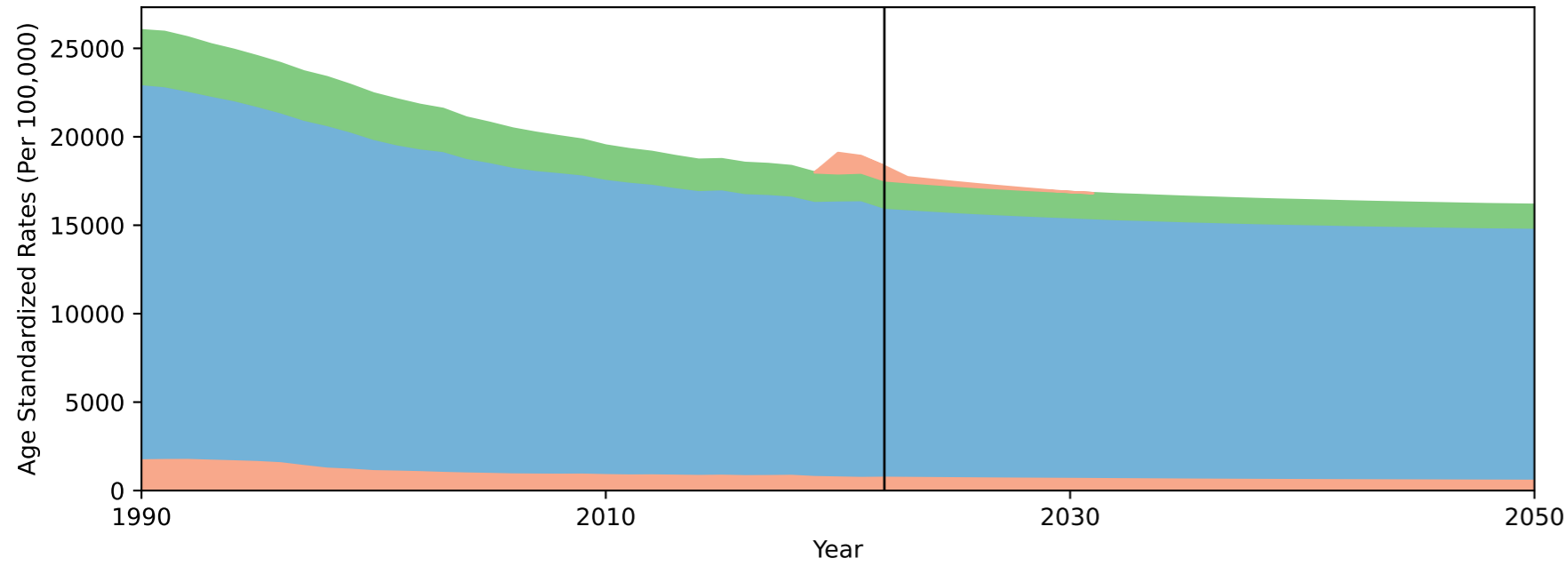


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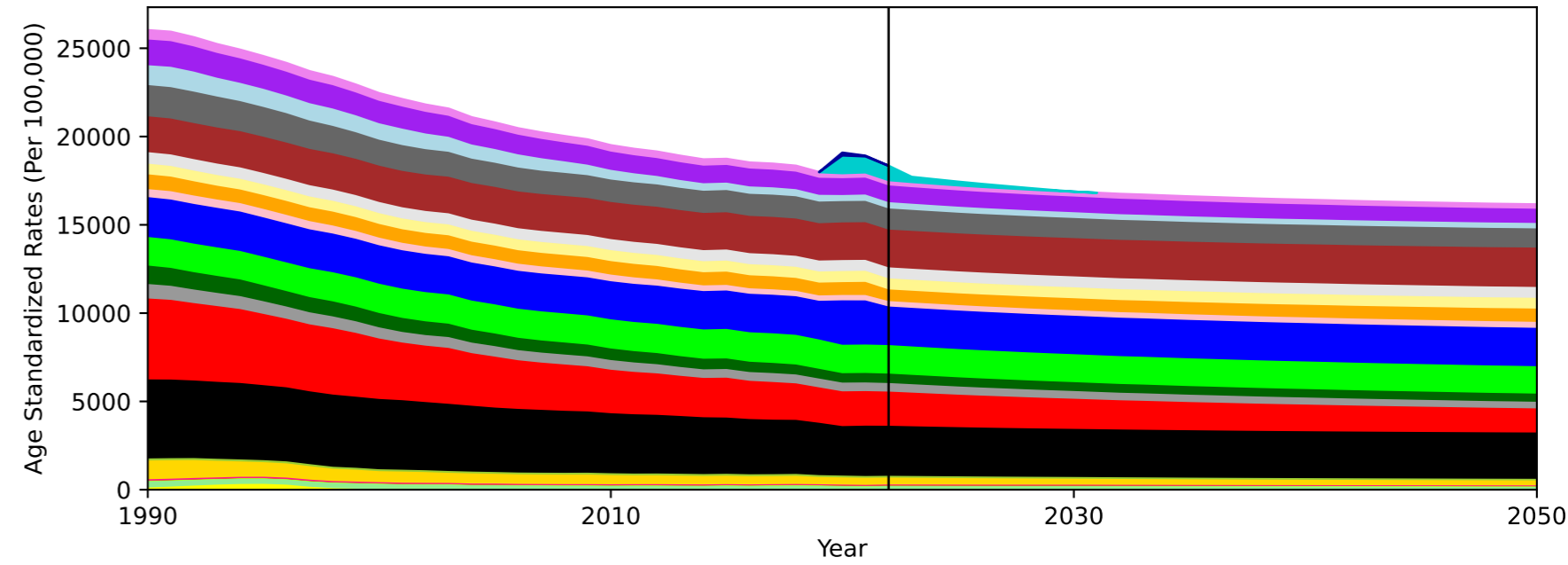


# Italy

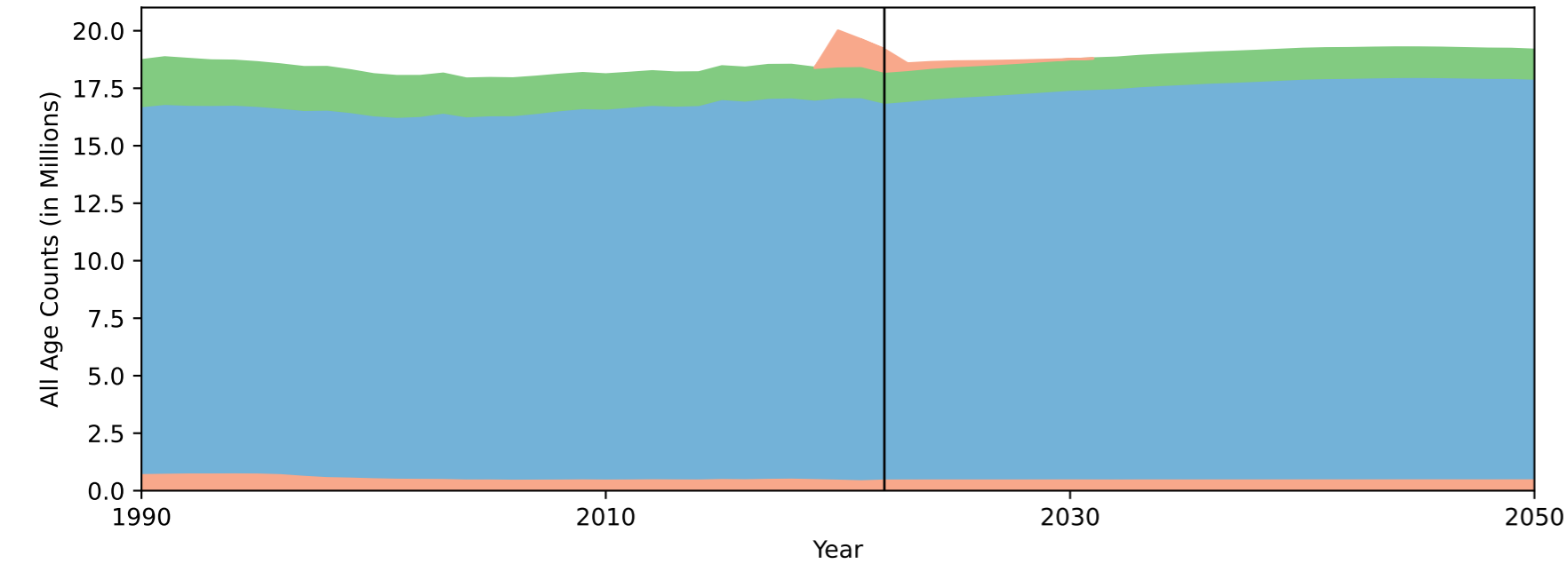
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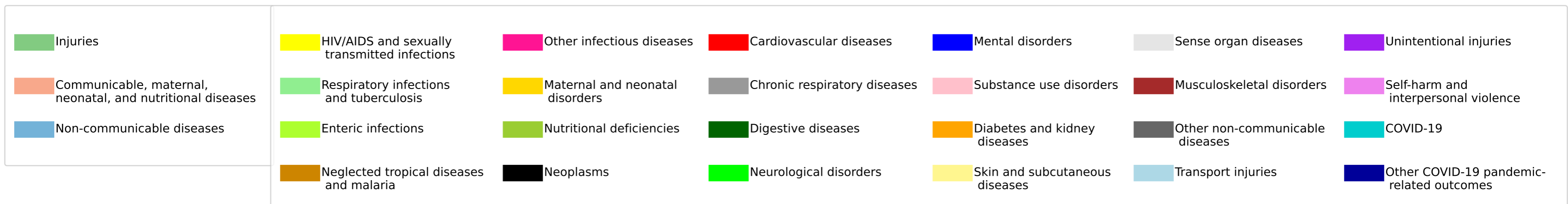
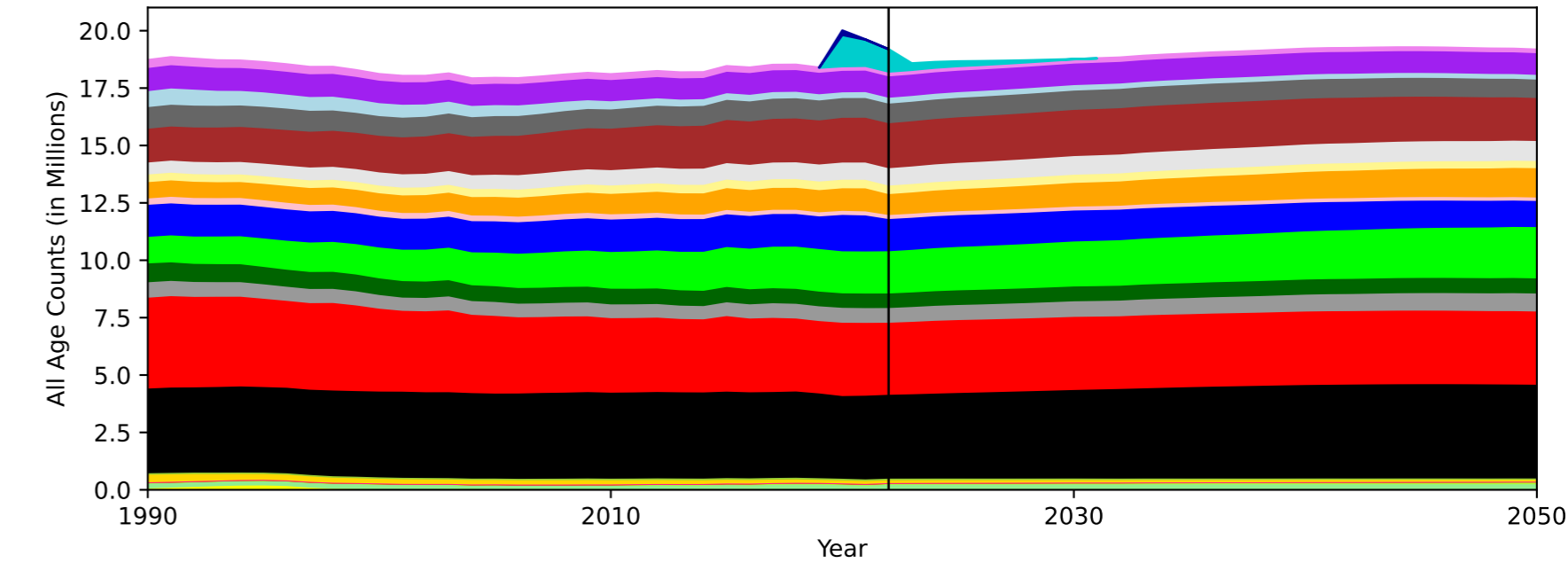
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Level 1

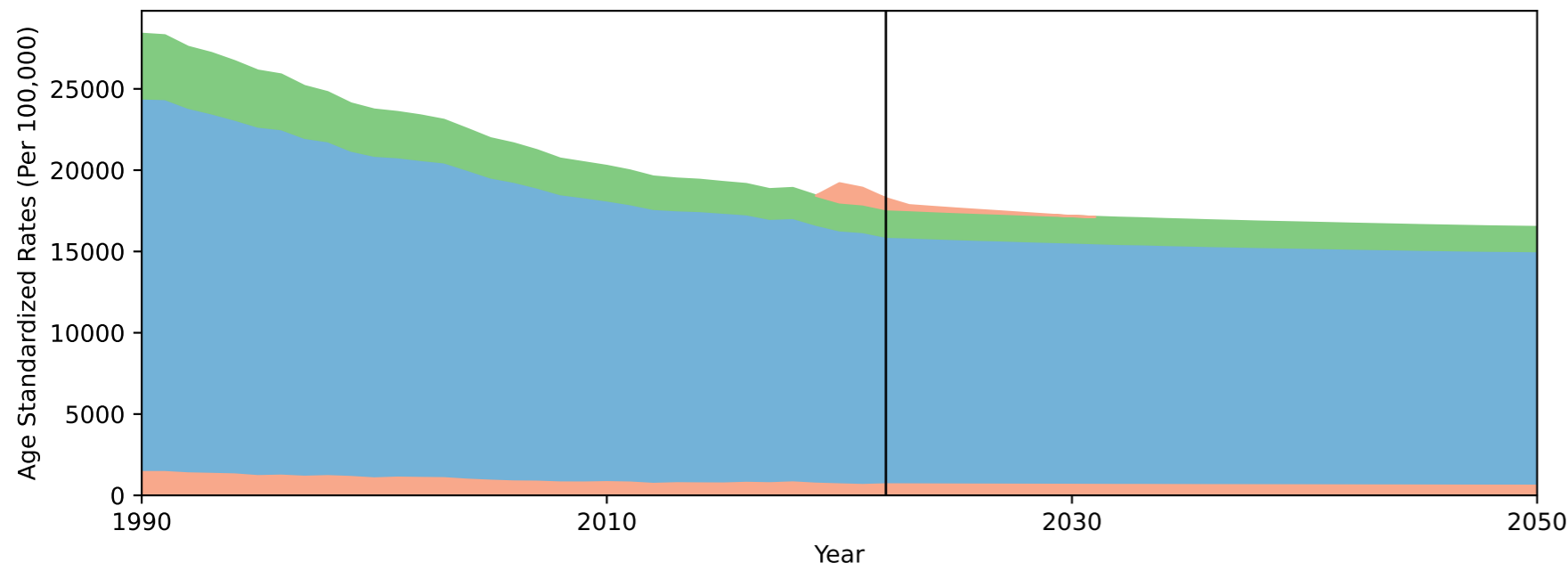


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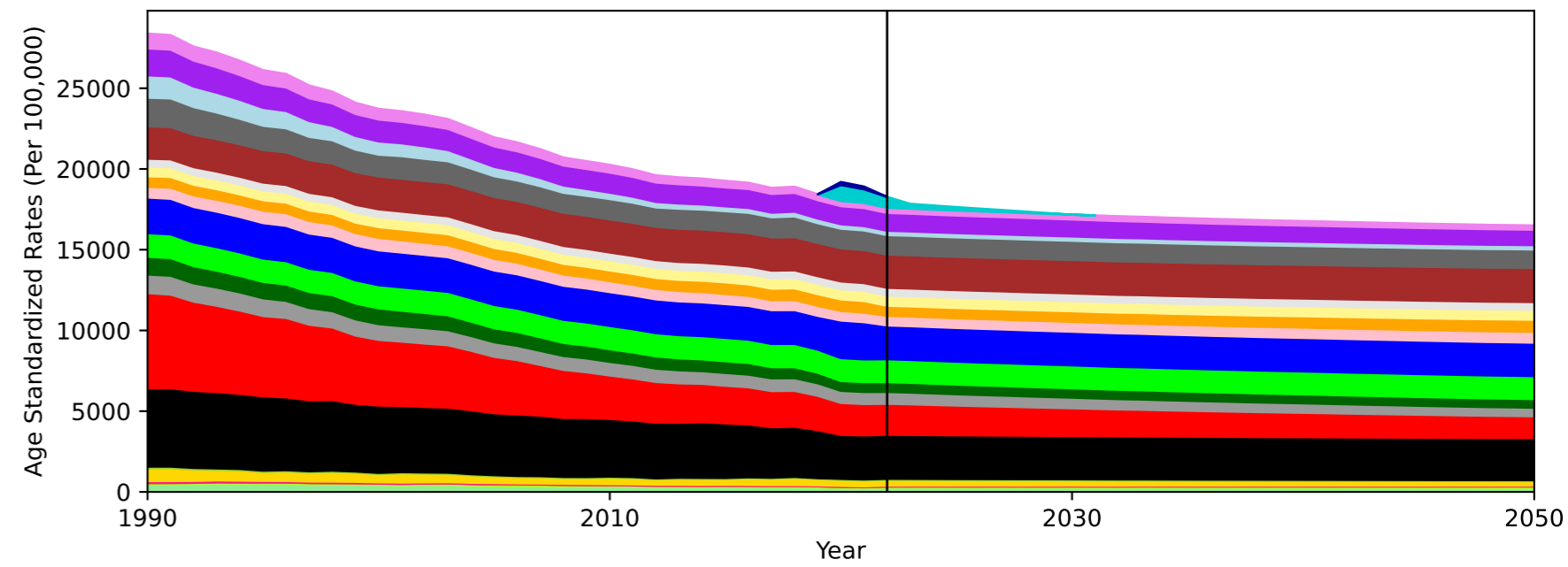


# Luxembourg

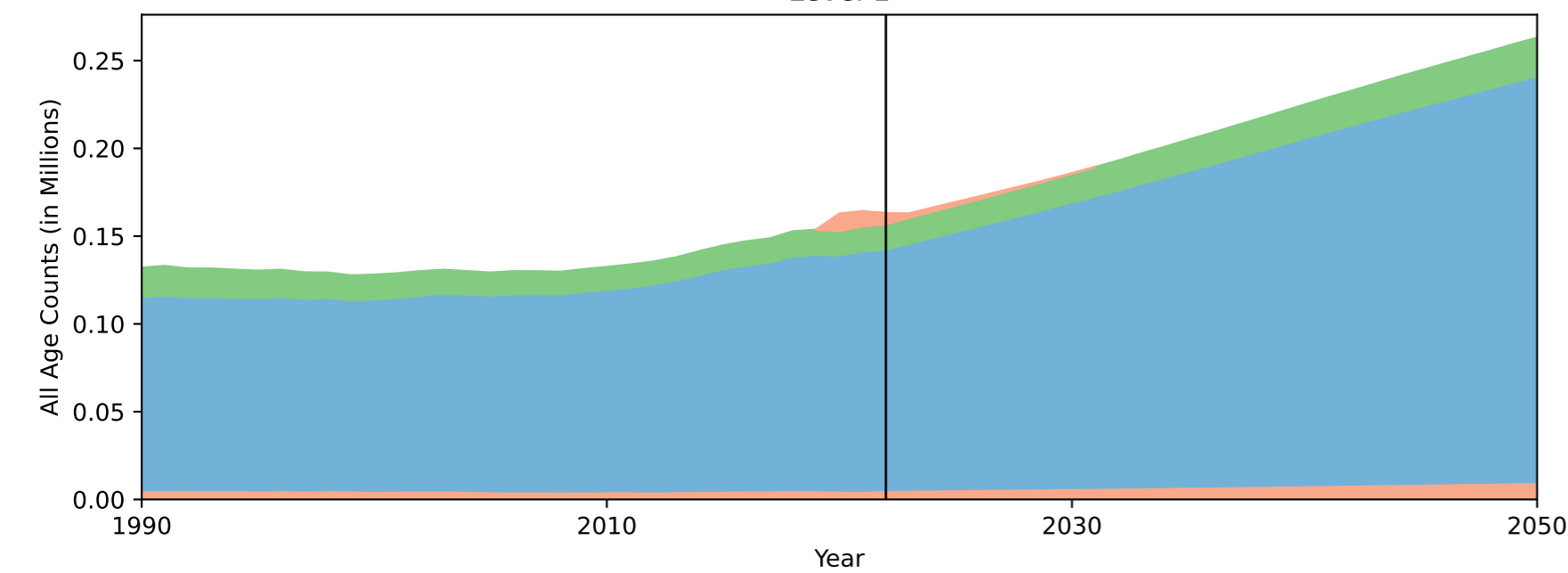
Level 1



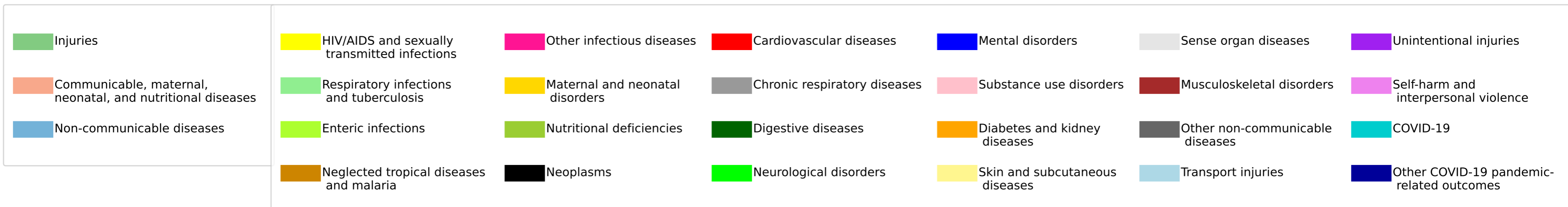
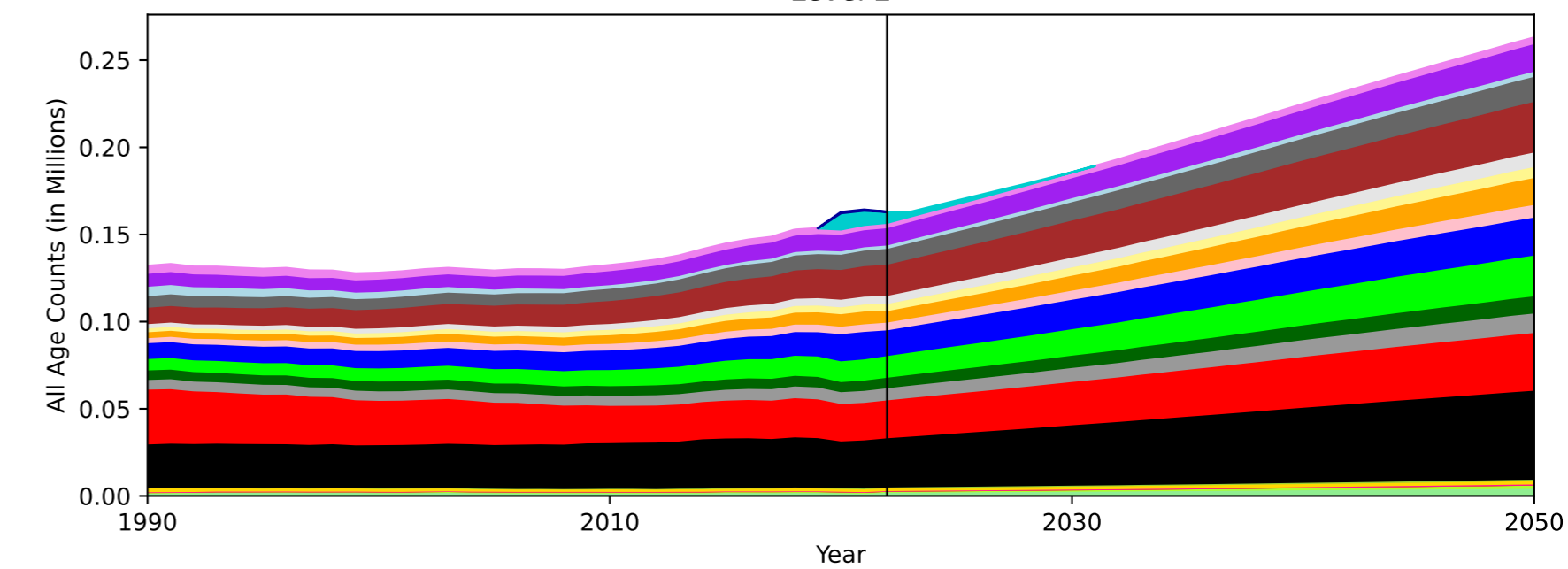
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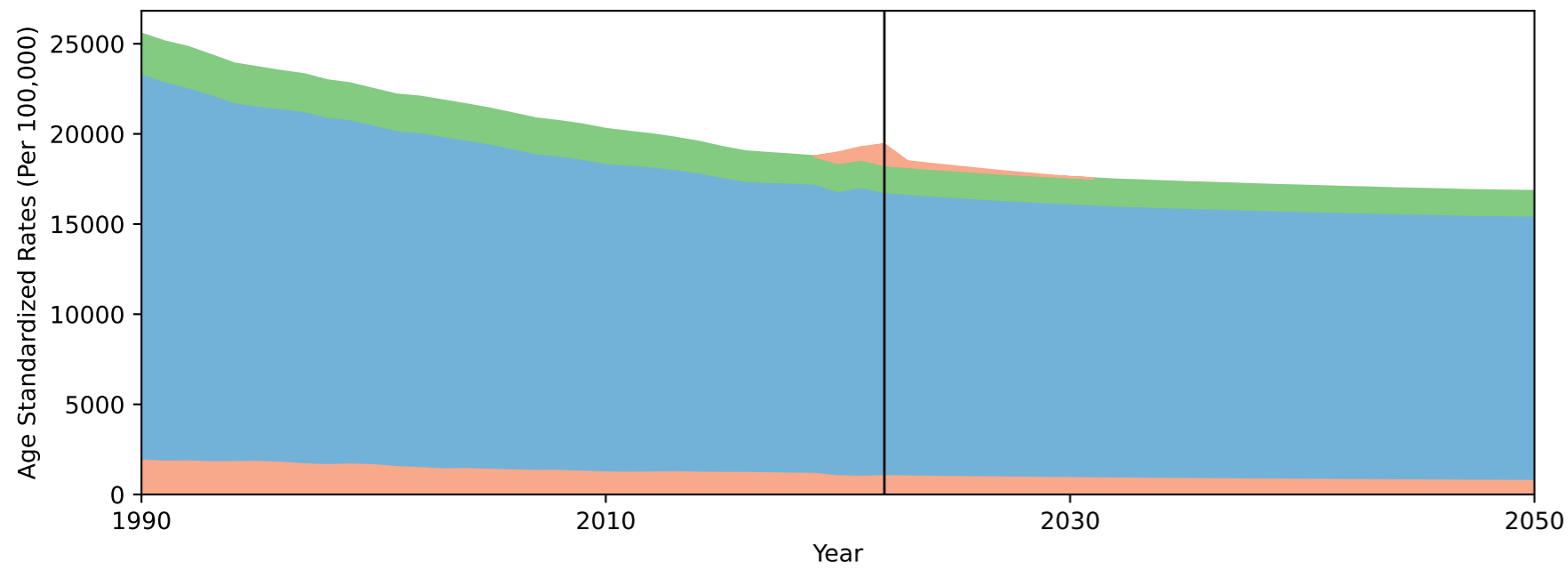
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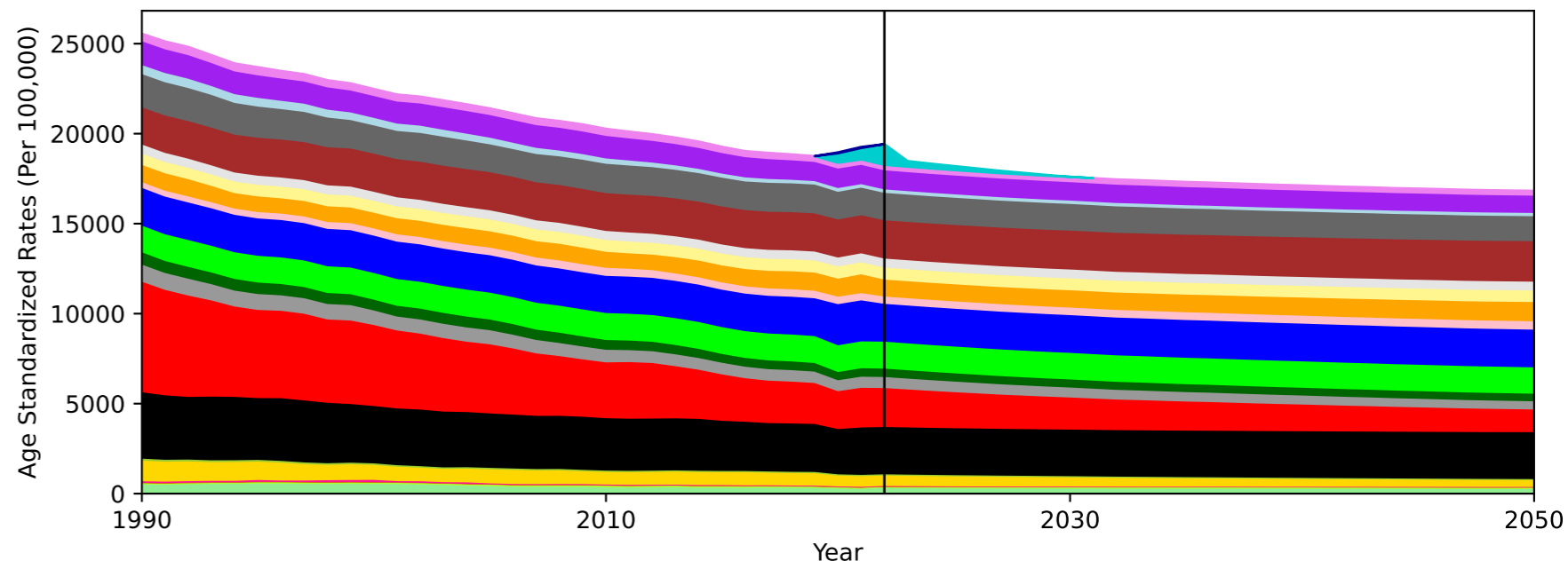
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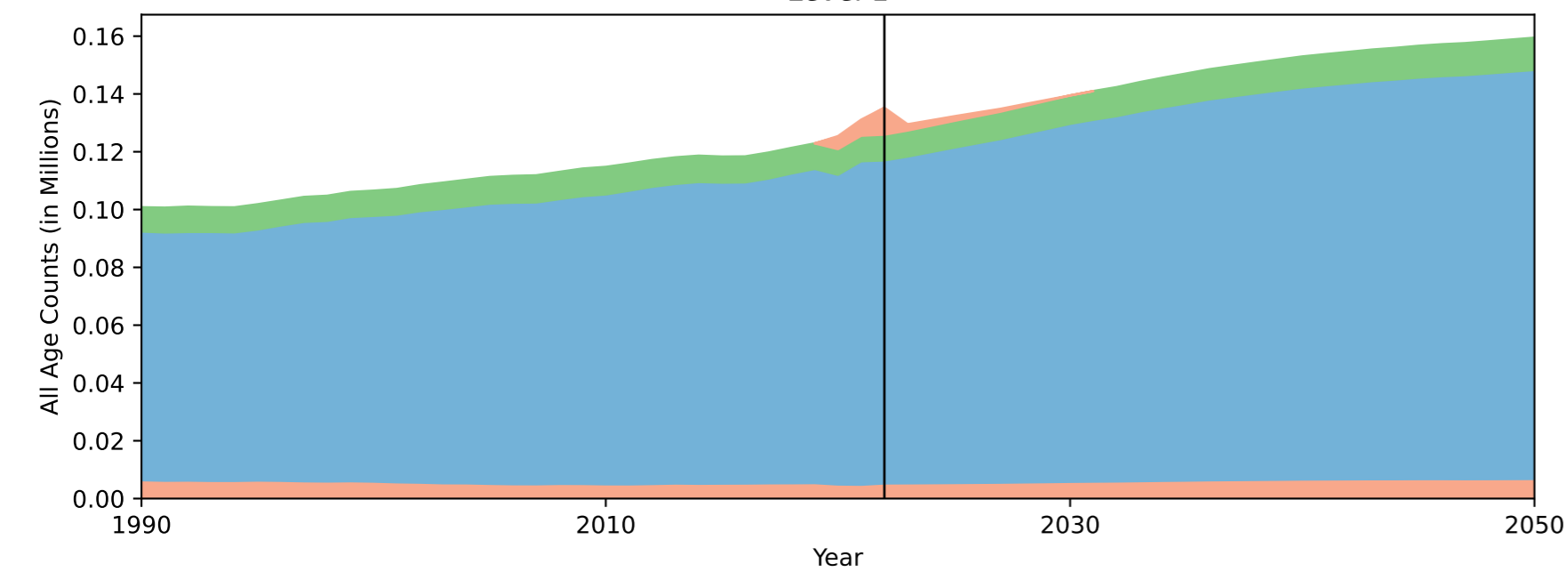
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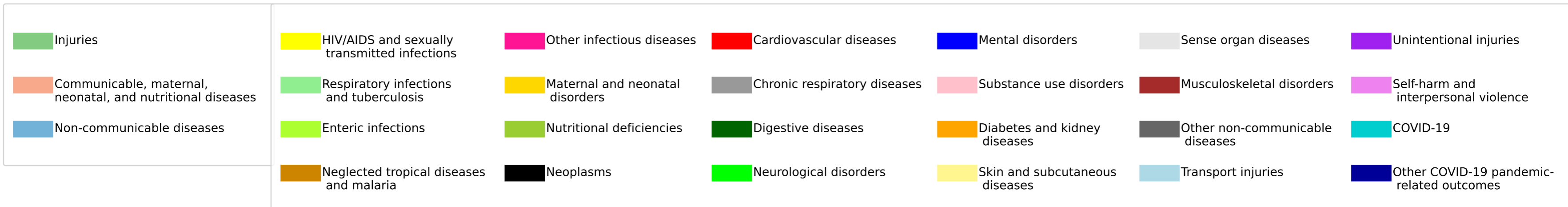
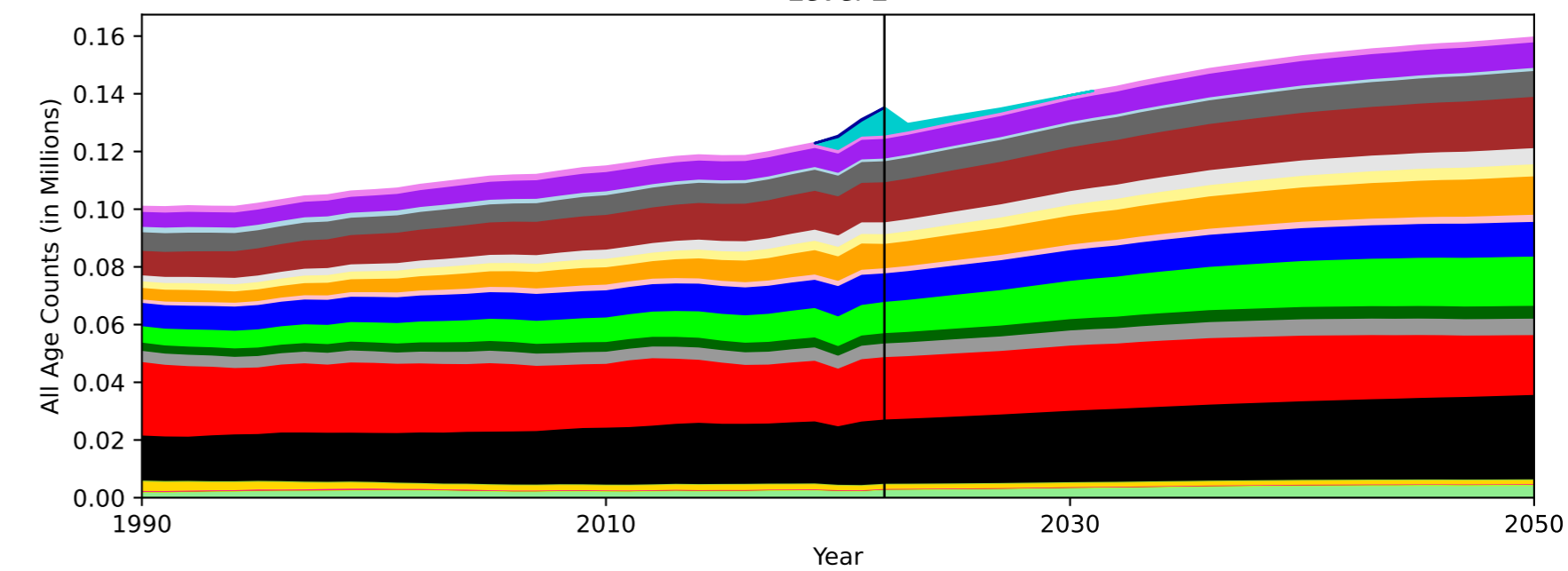
Level 2



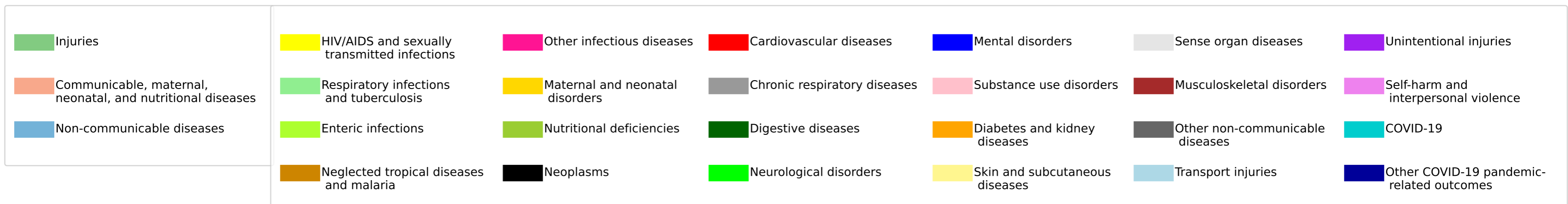
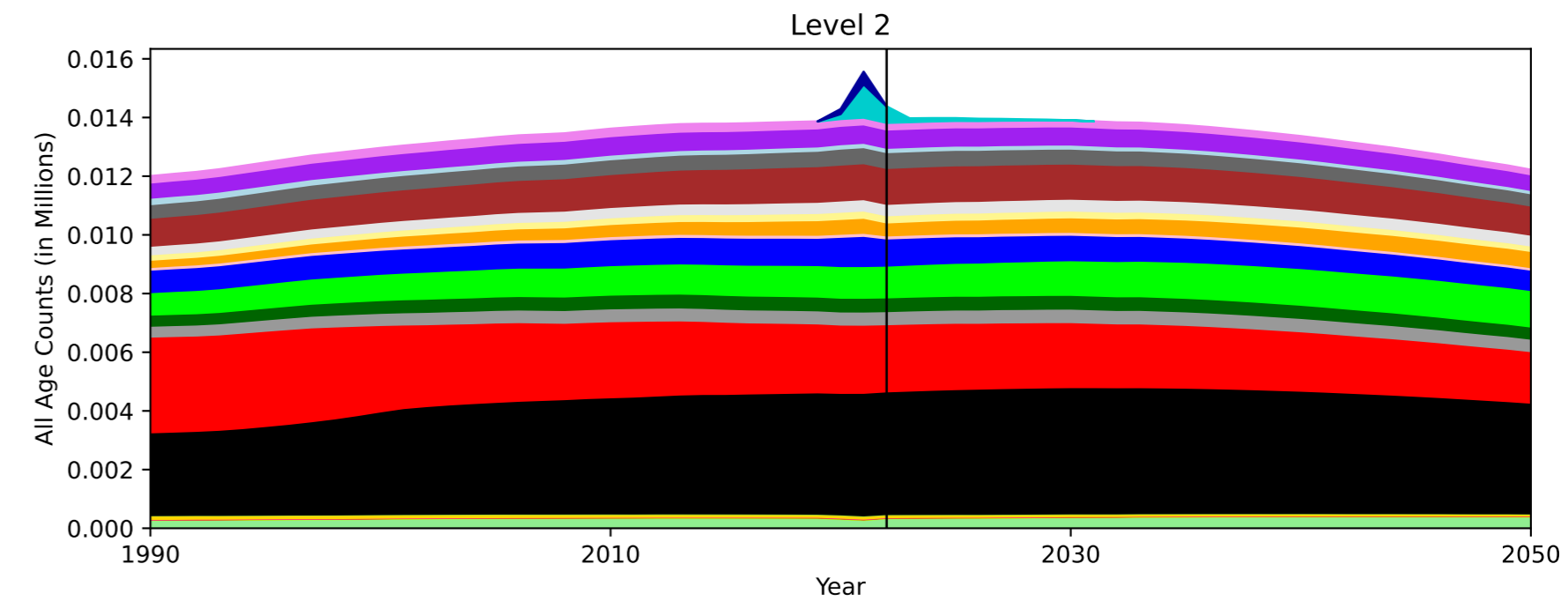
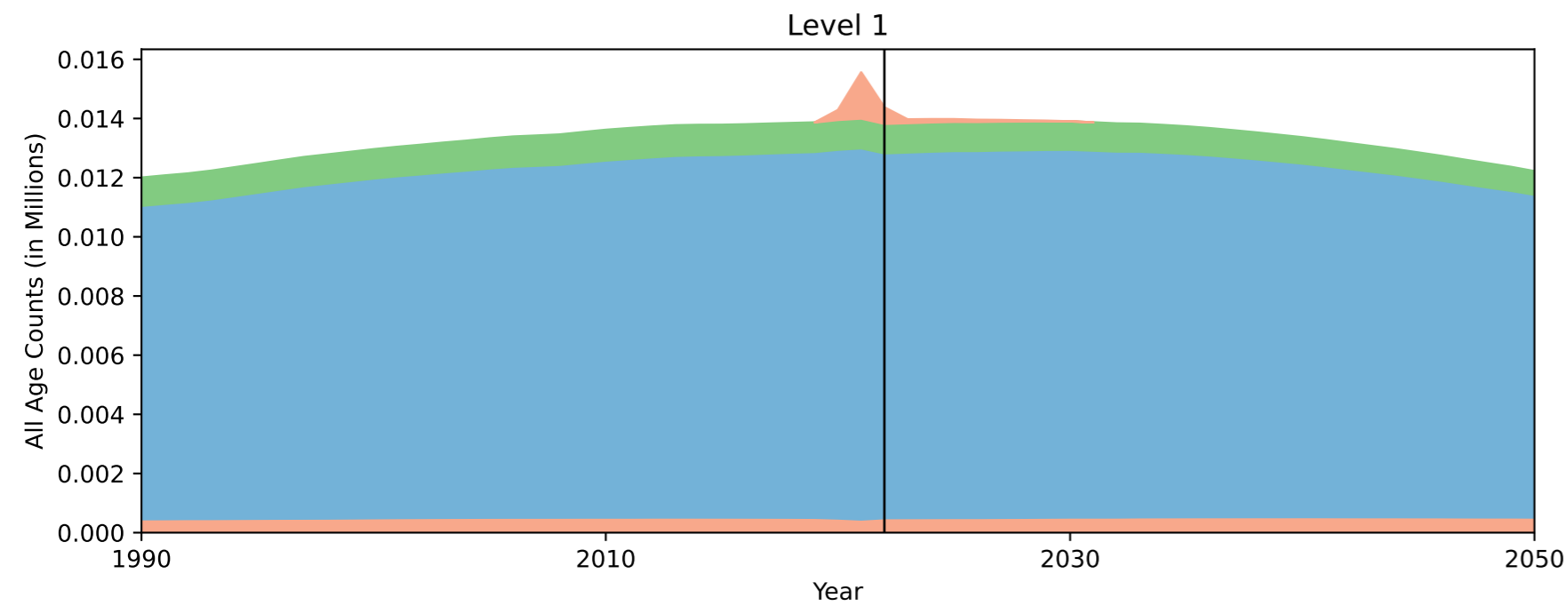
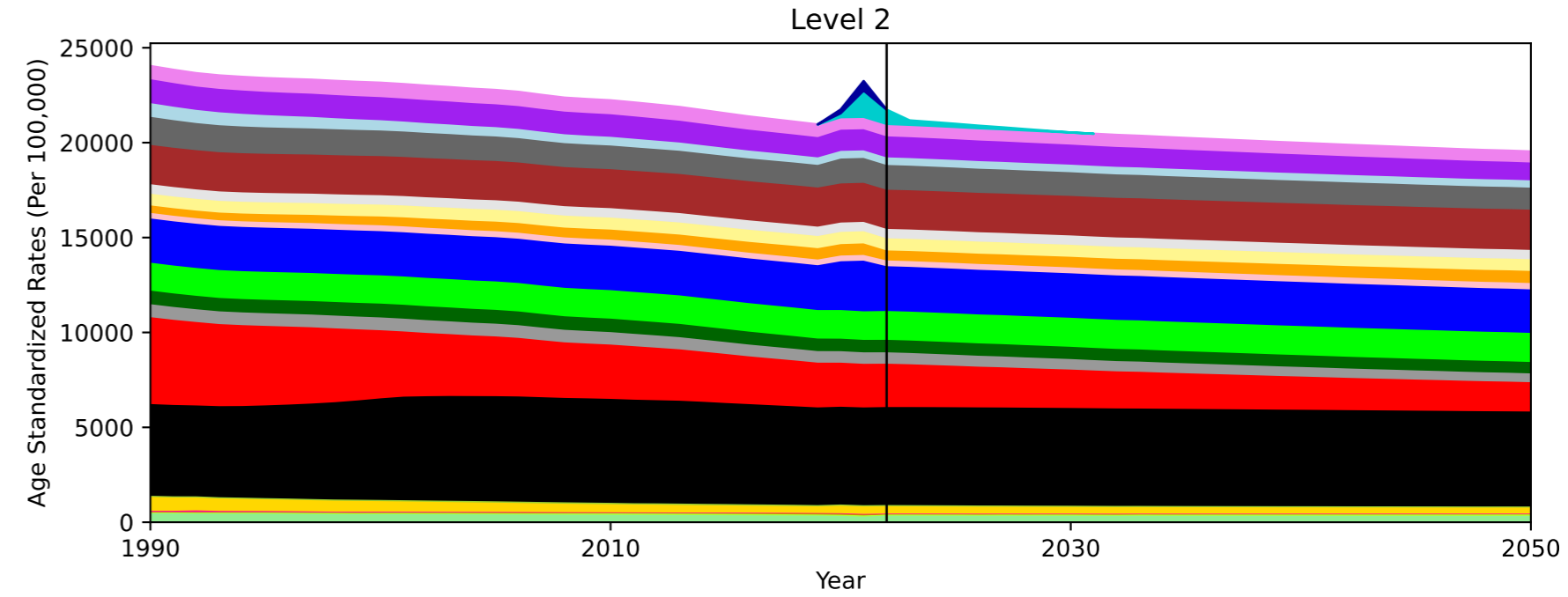
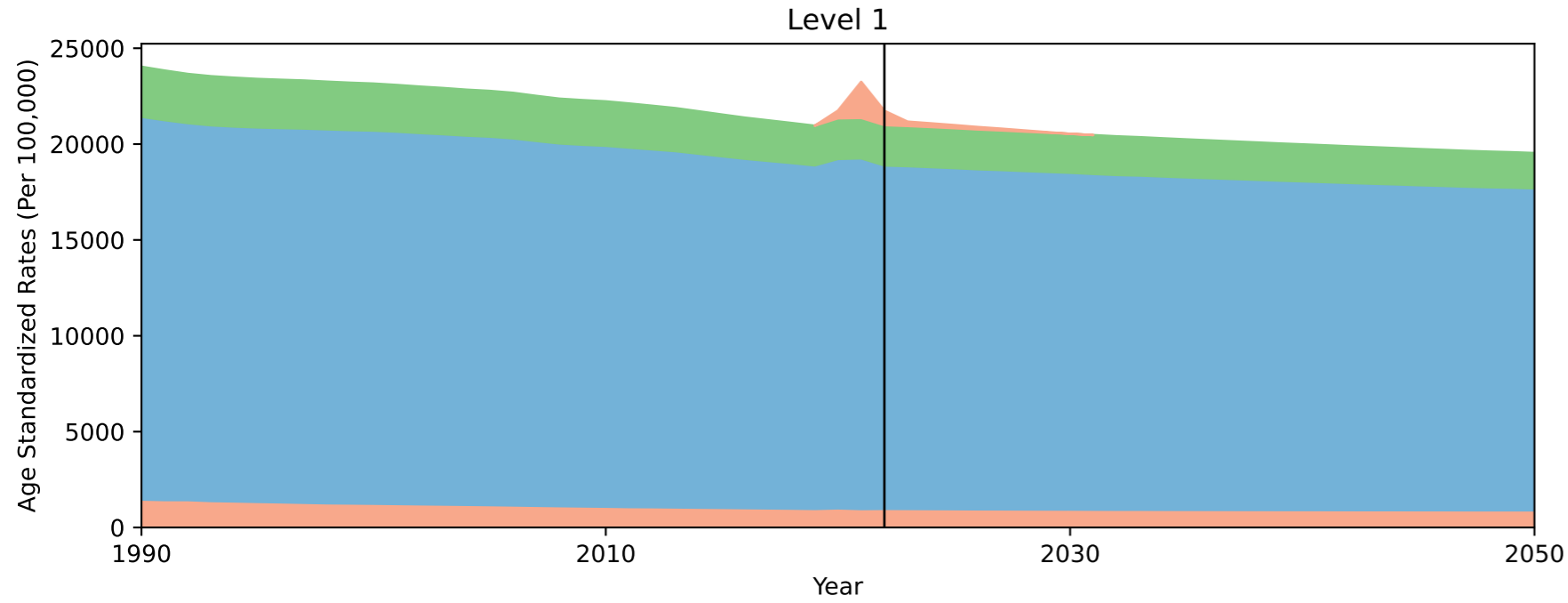
Level 1



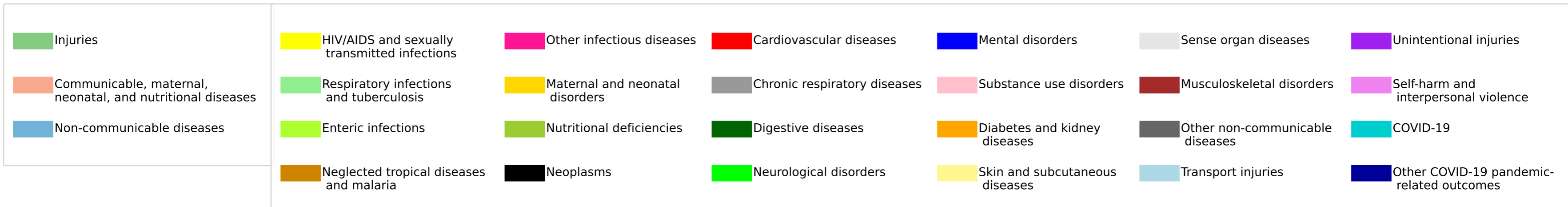
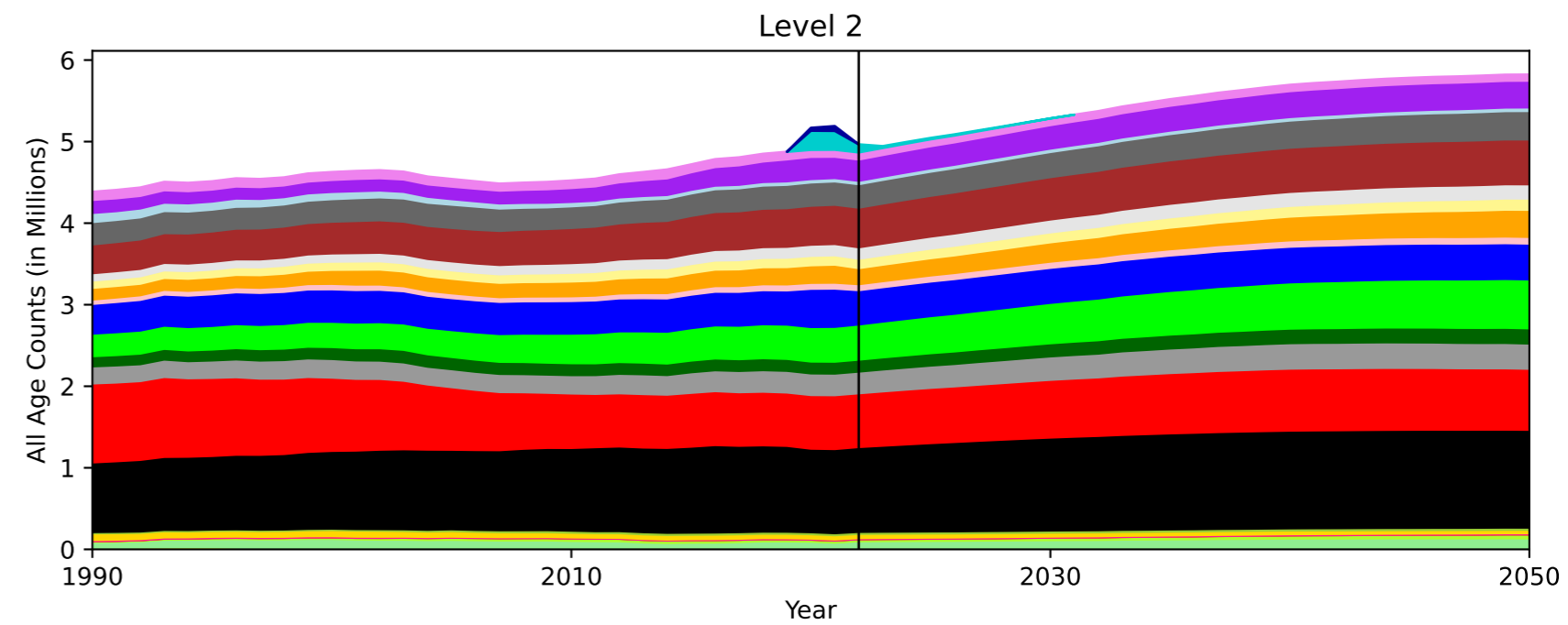
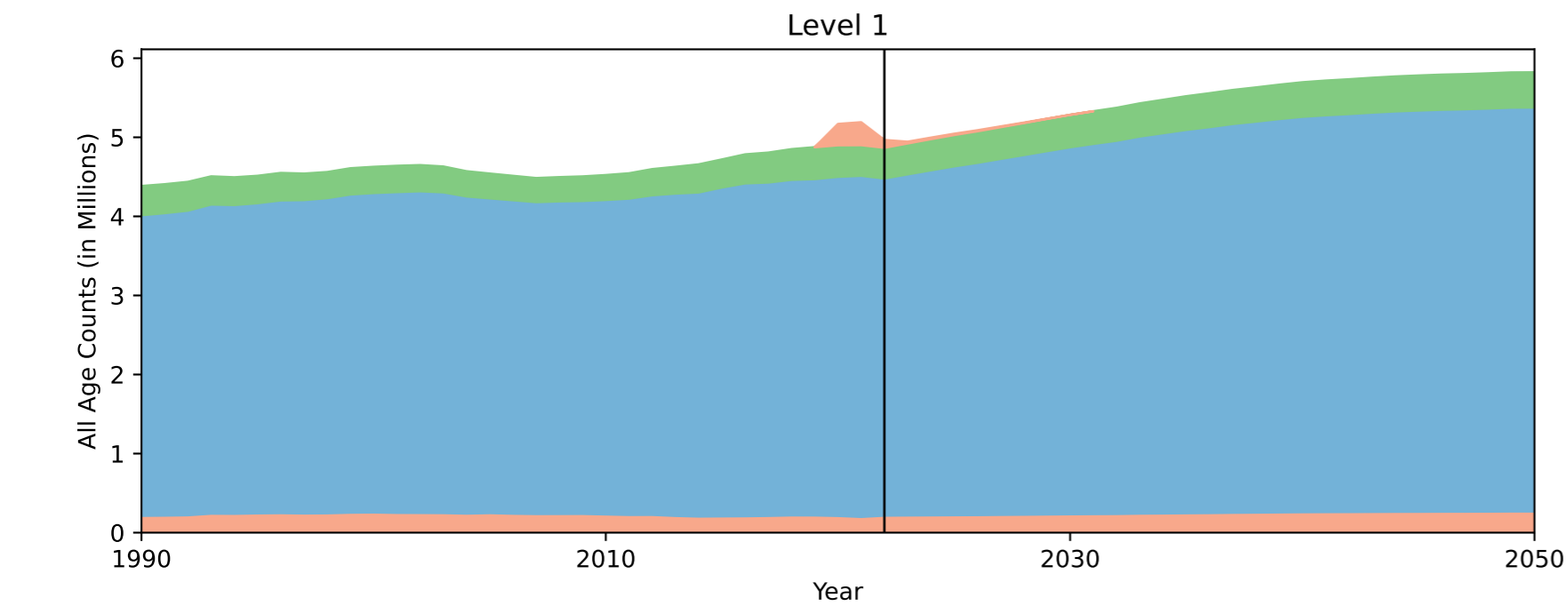
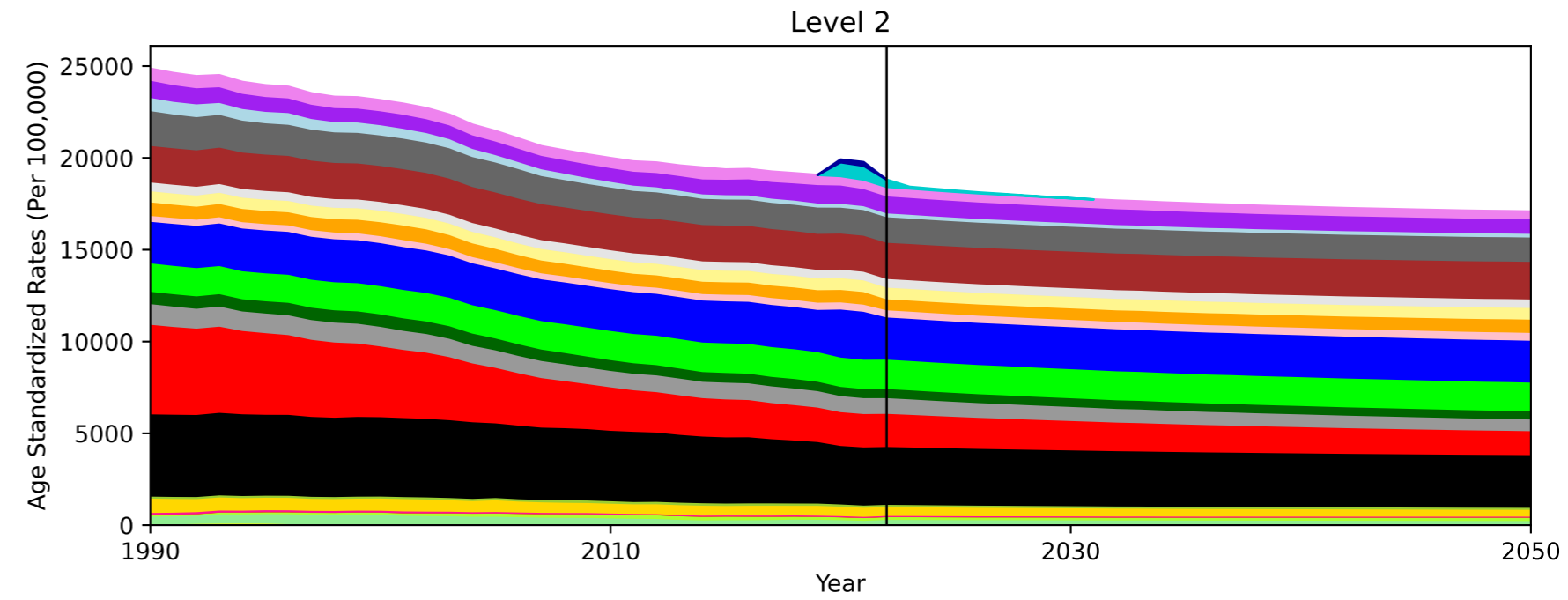
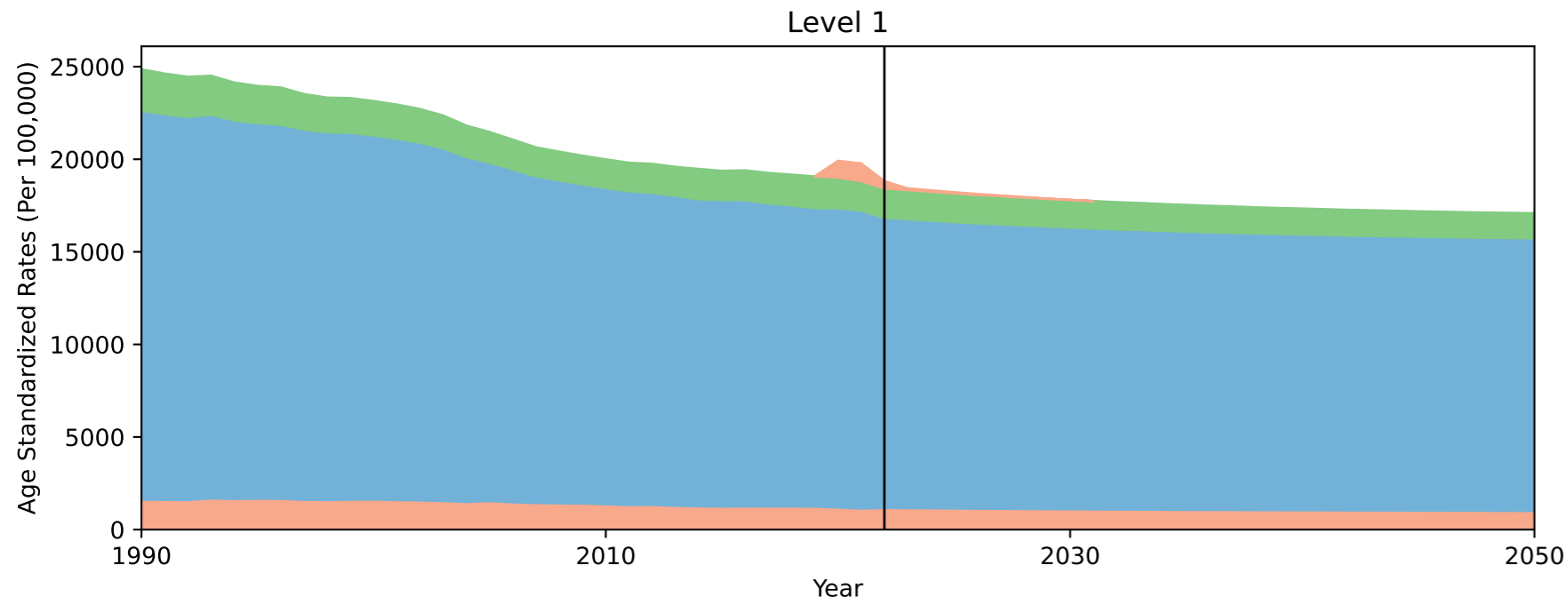
Level 2



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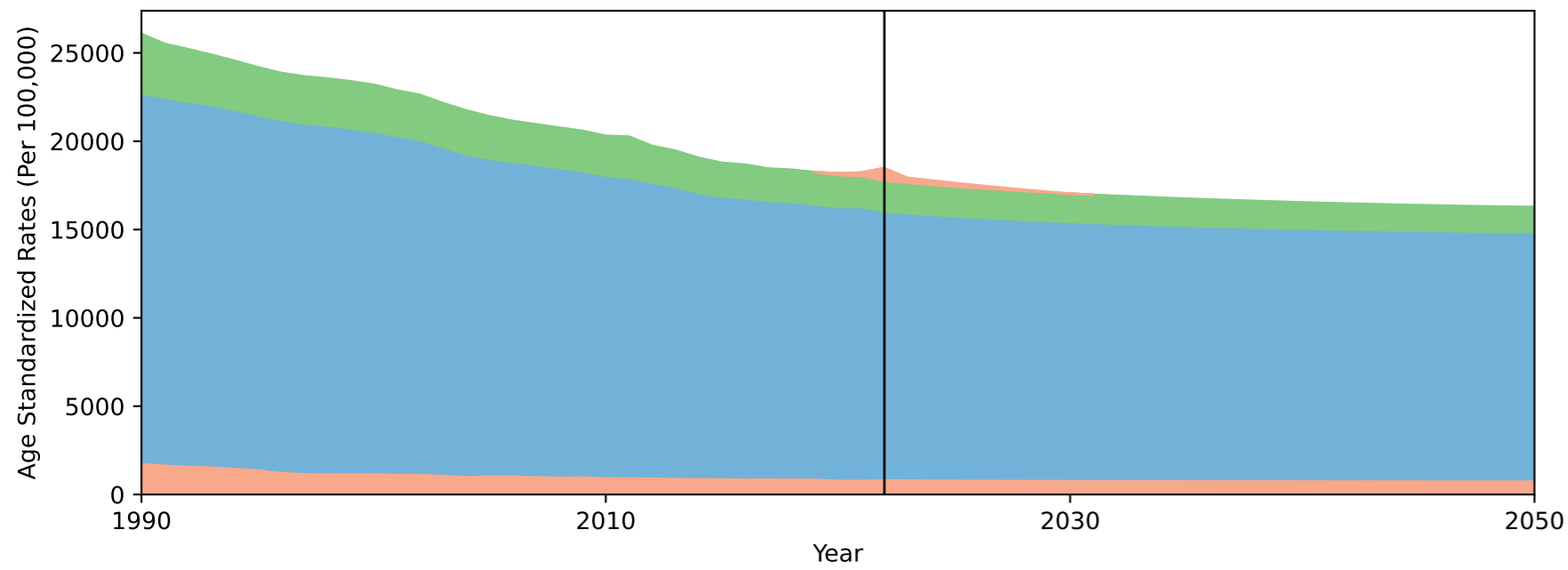


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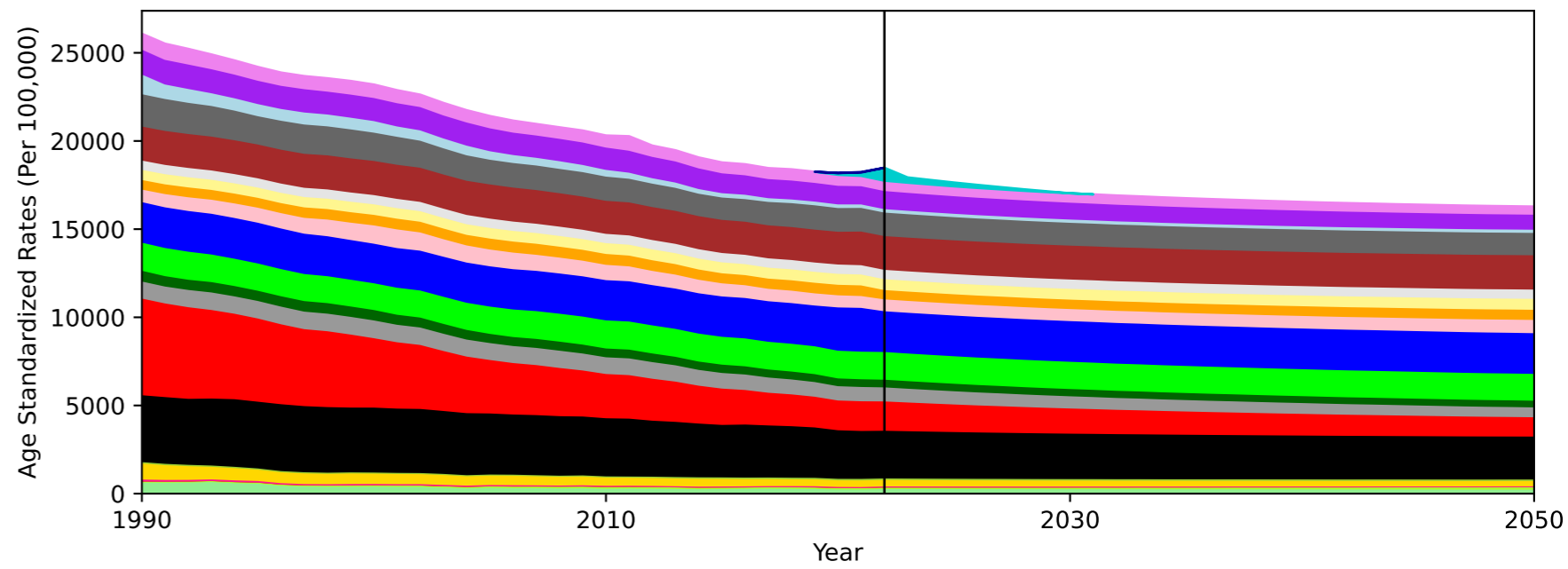


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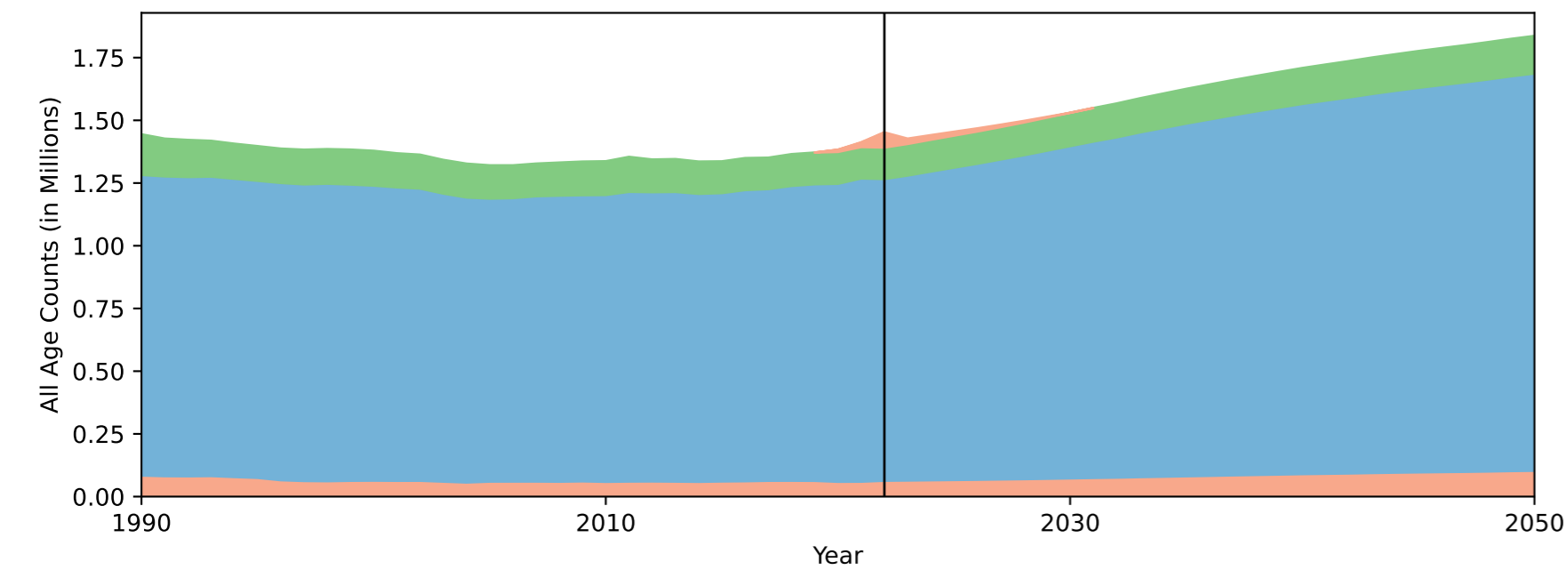
Level 1



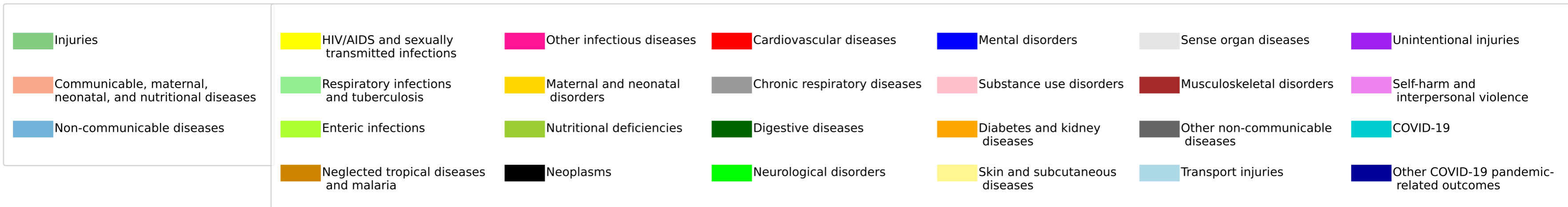
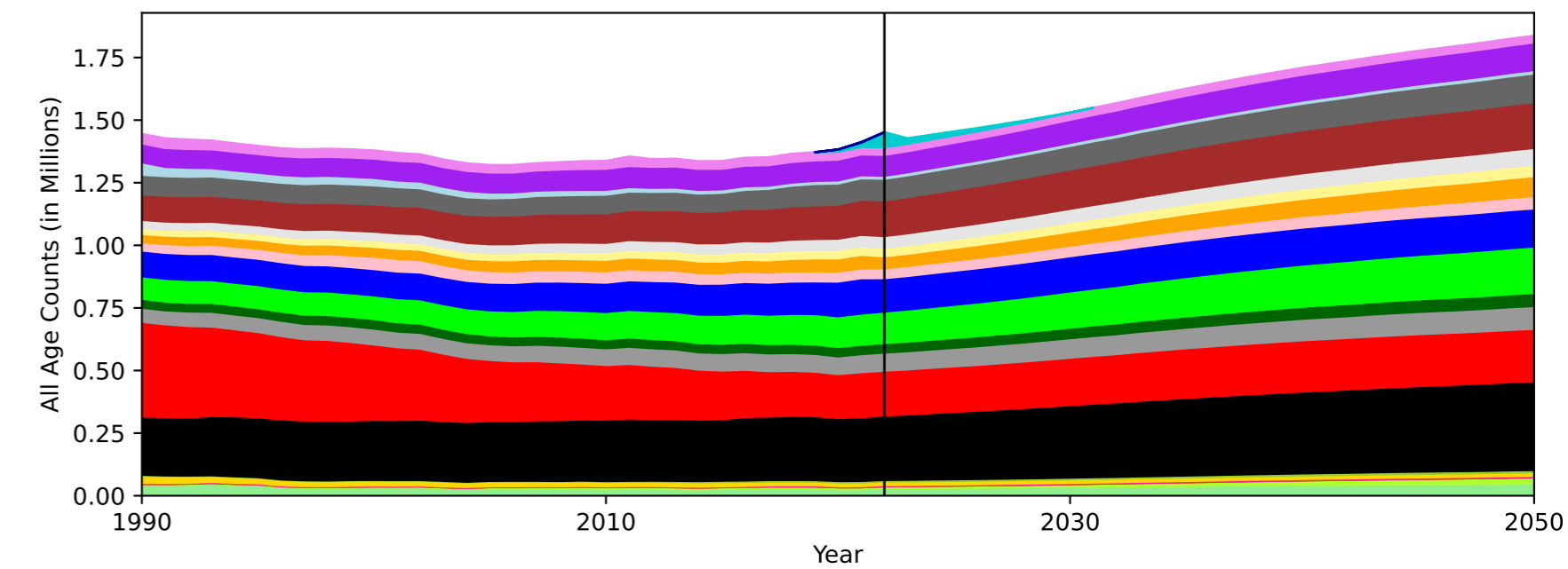
Level 2



Level 1

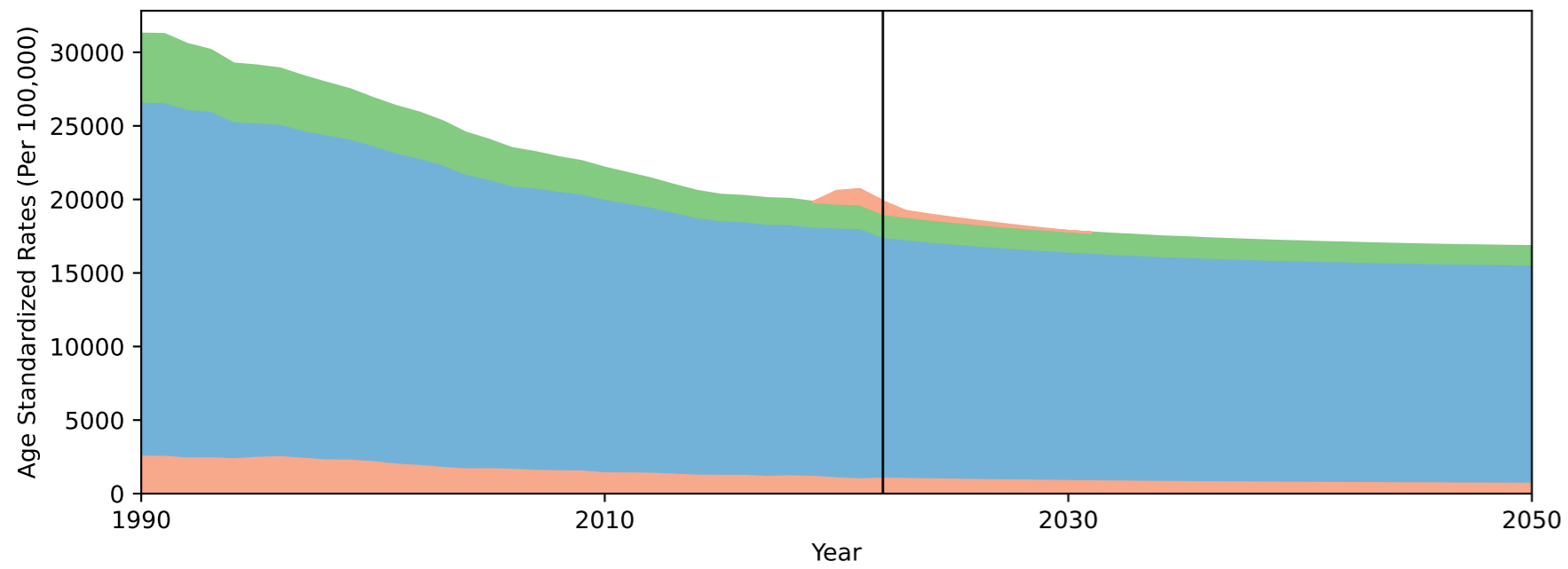


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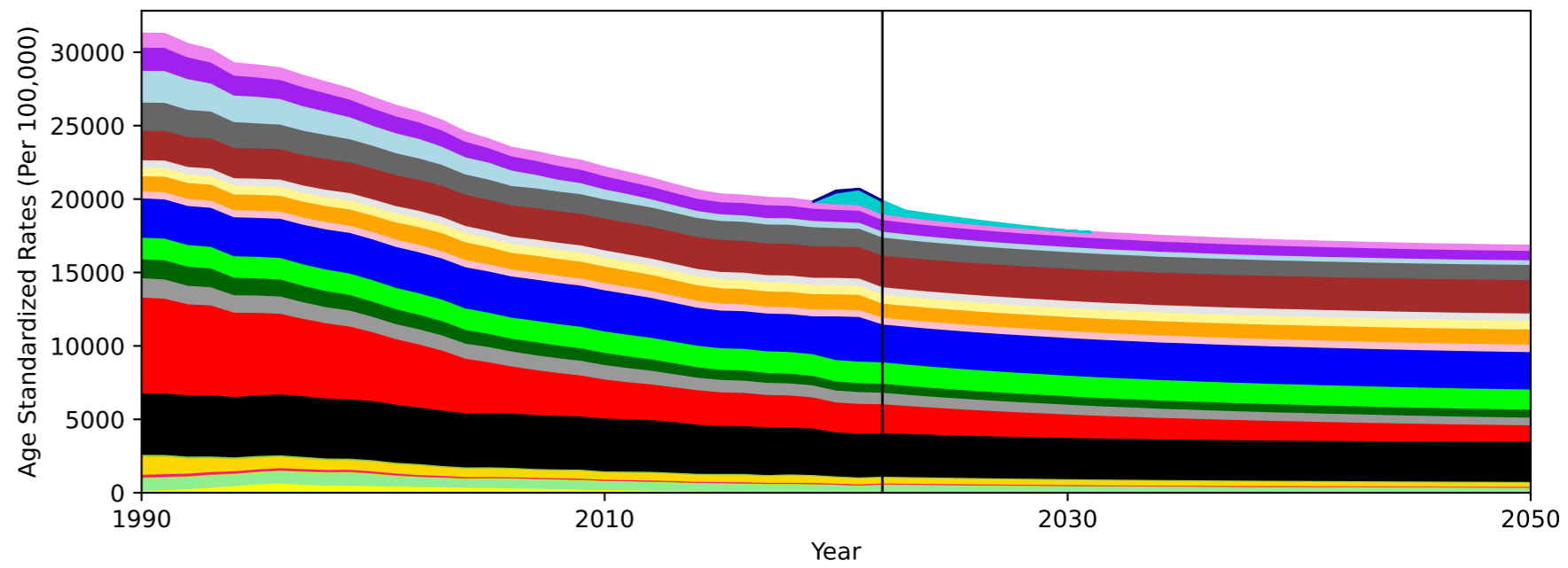




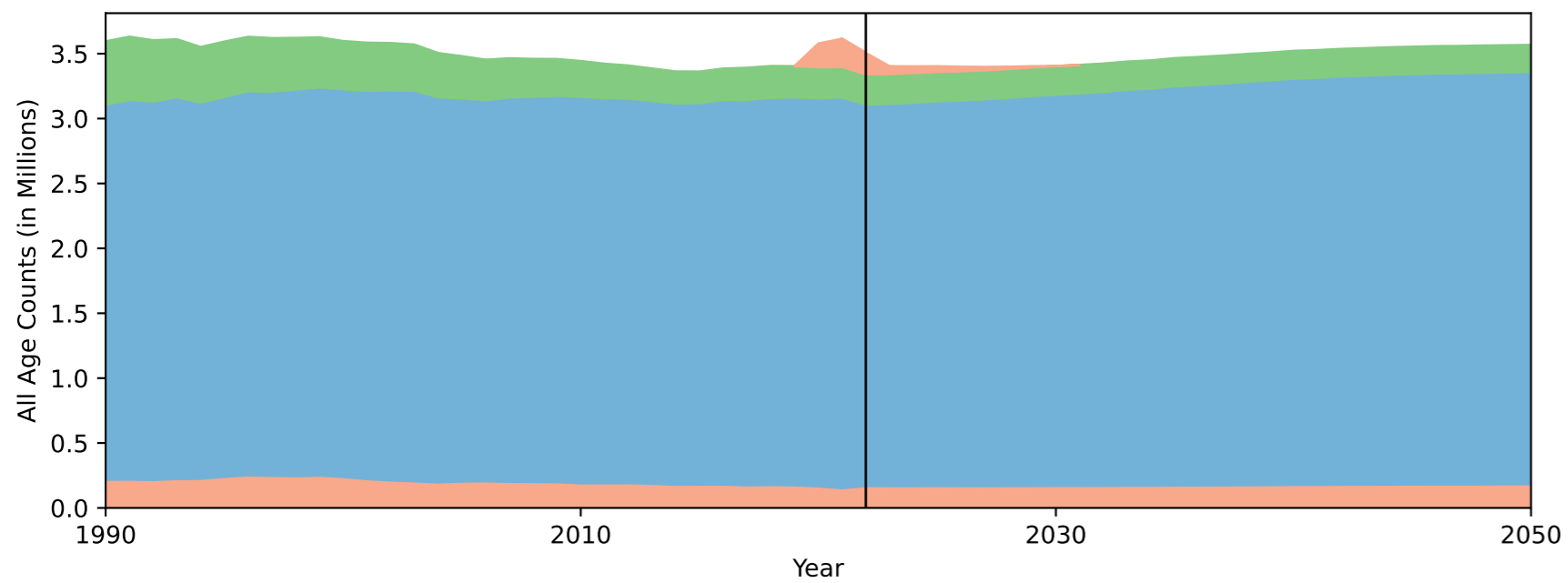
Level 1



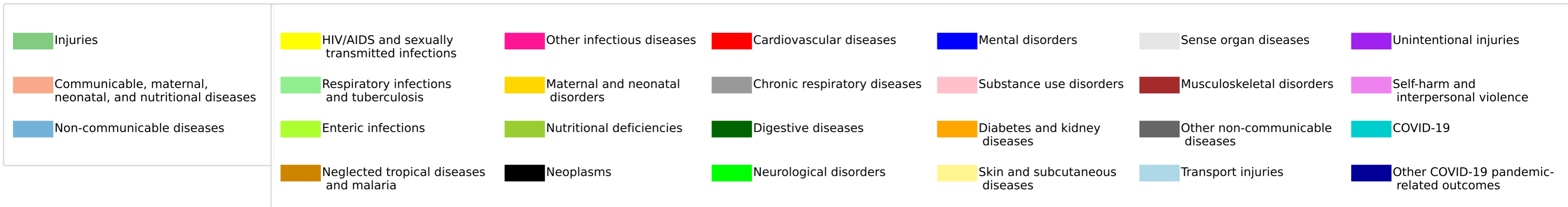
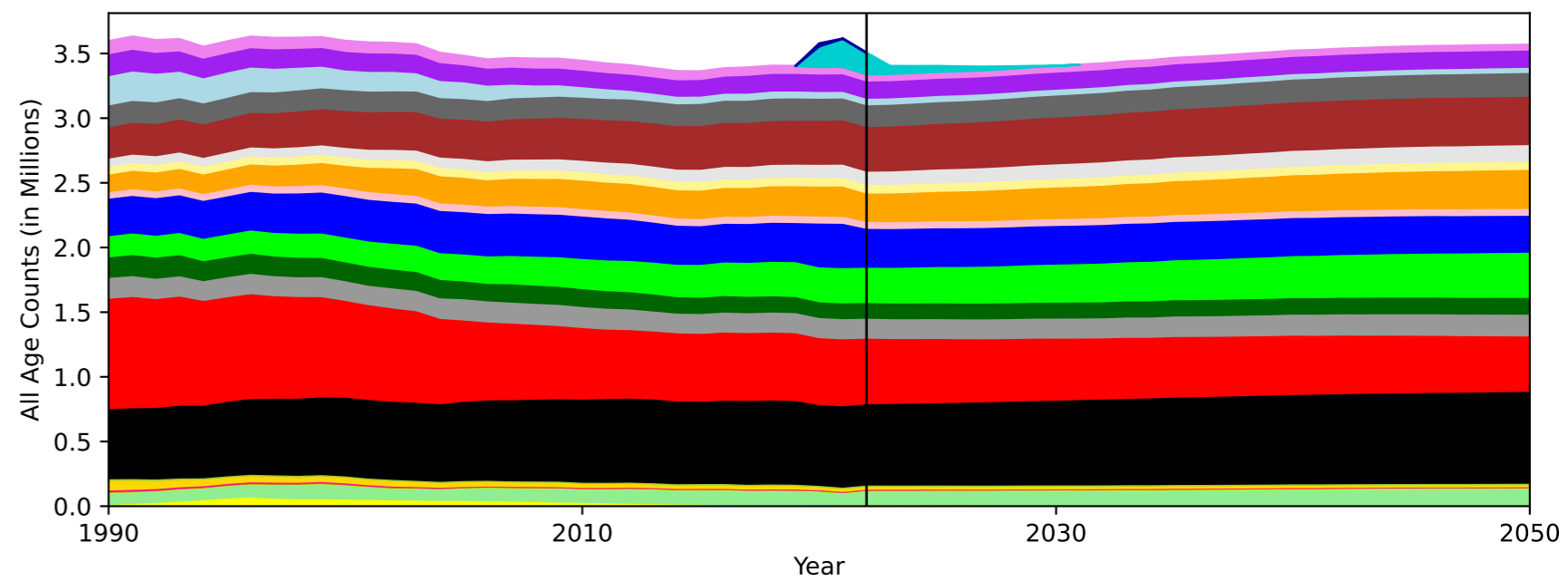
Level 2



Level 1



Level 2

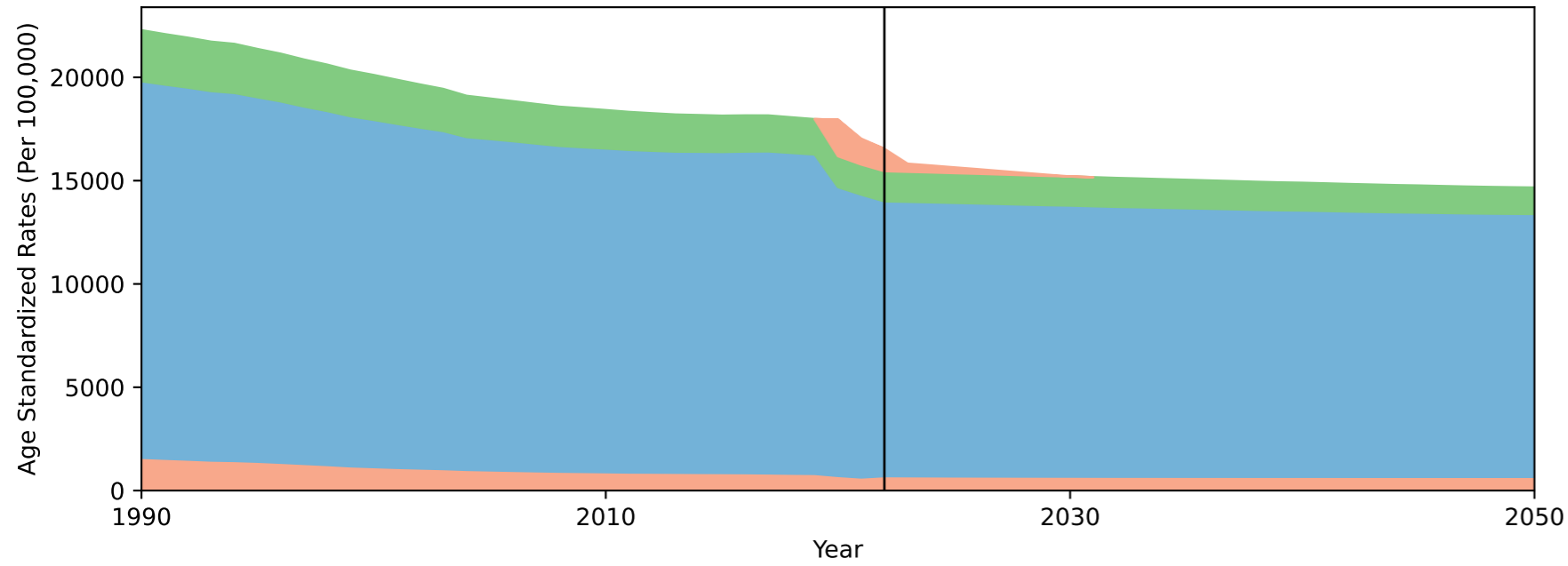


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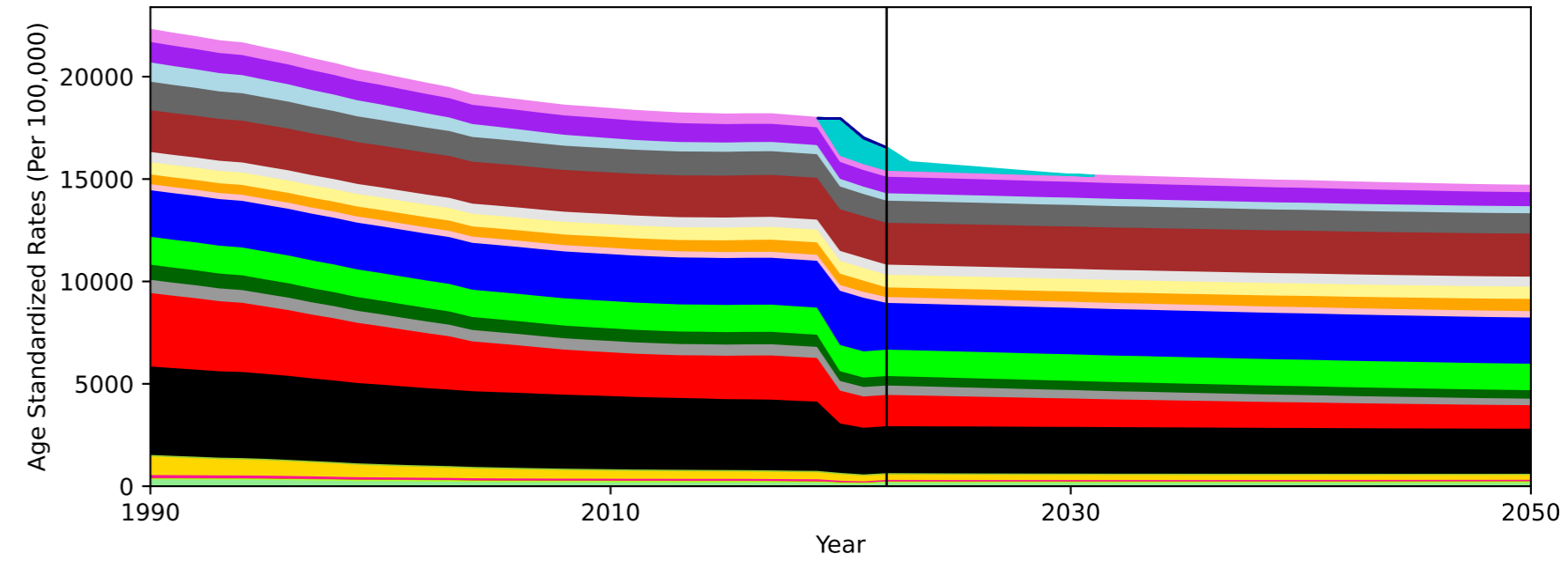
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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Level 1



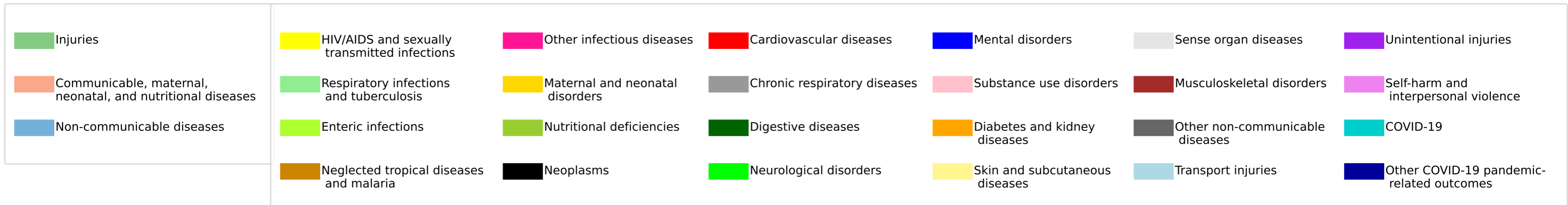
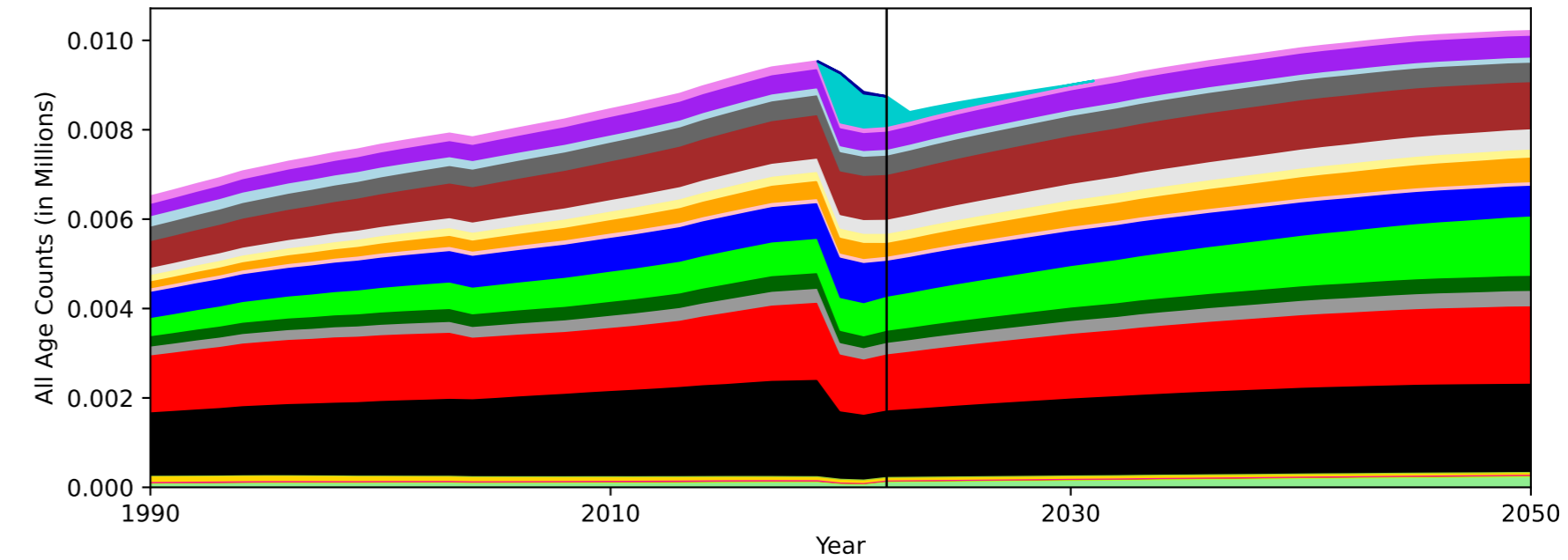
Level 2



Level 1

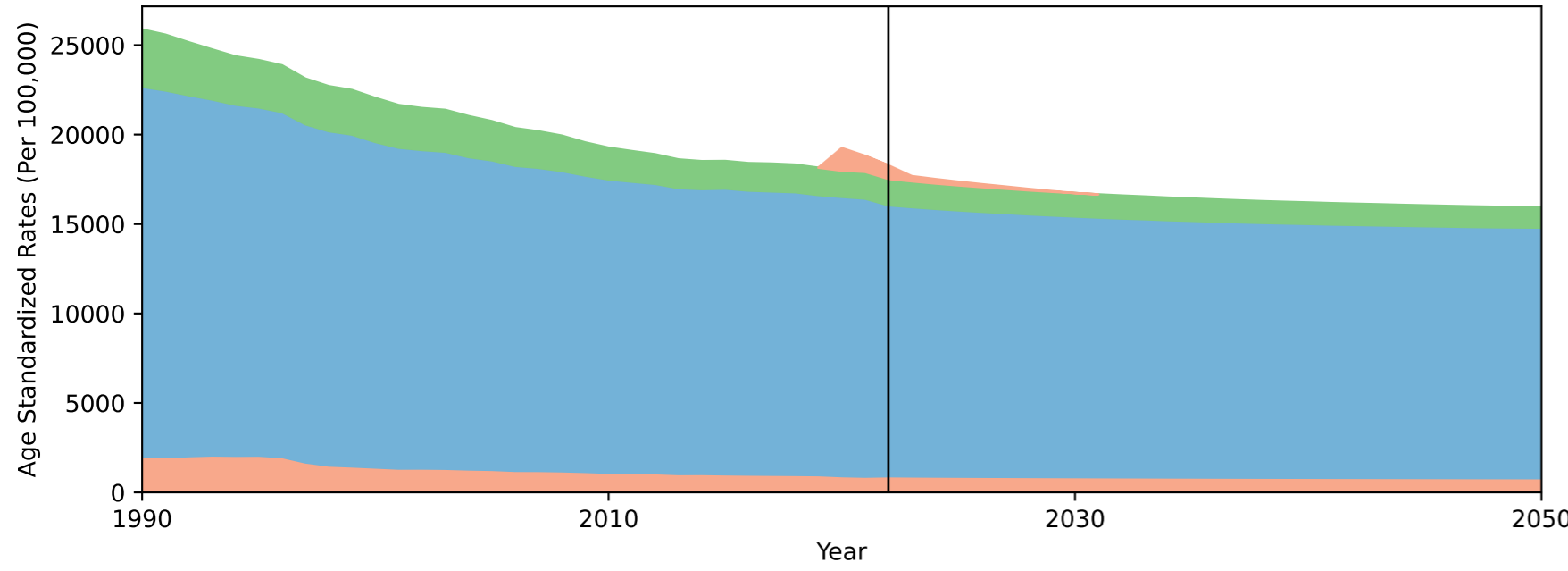


Level 2

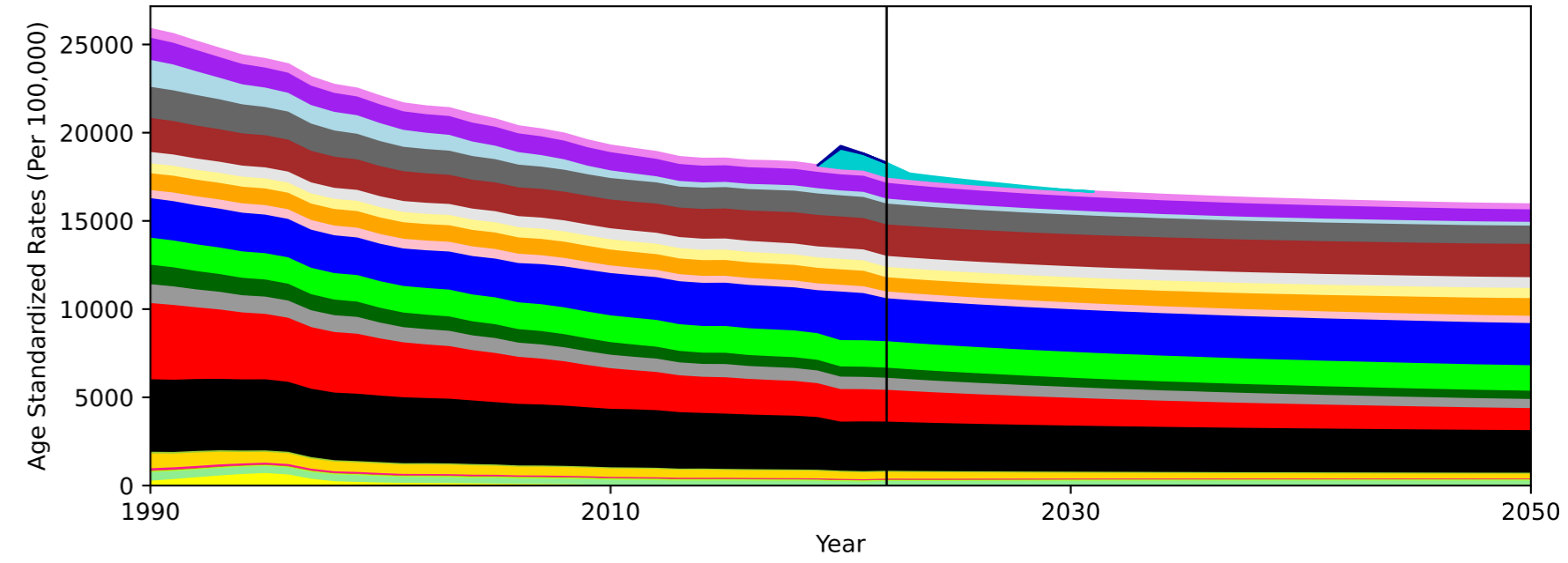


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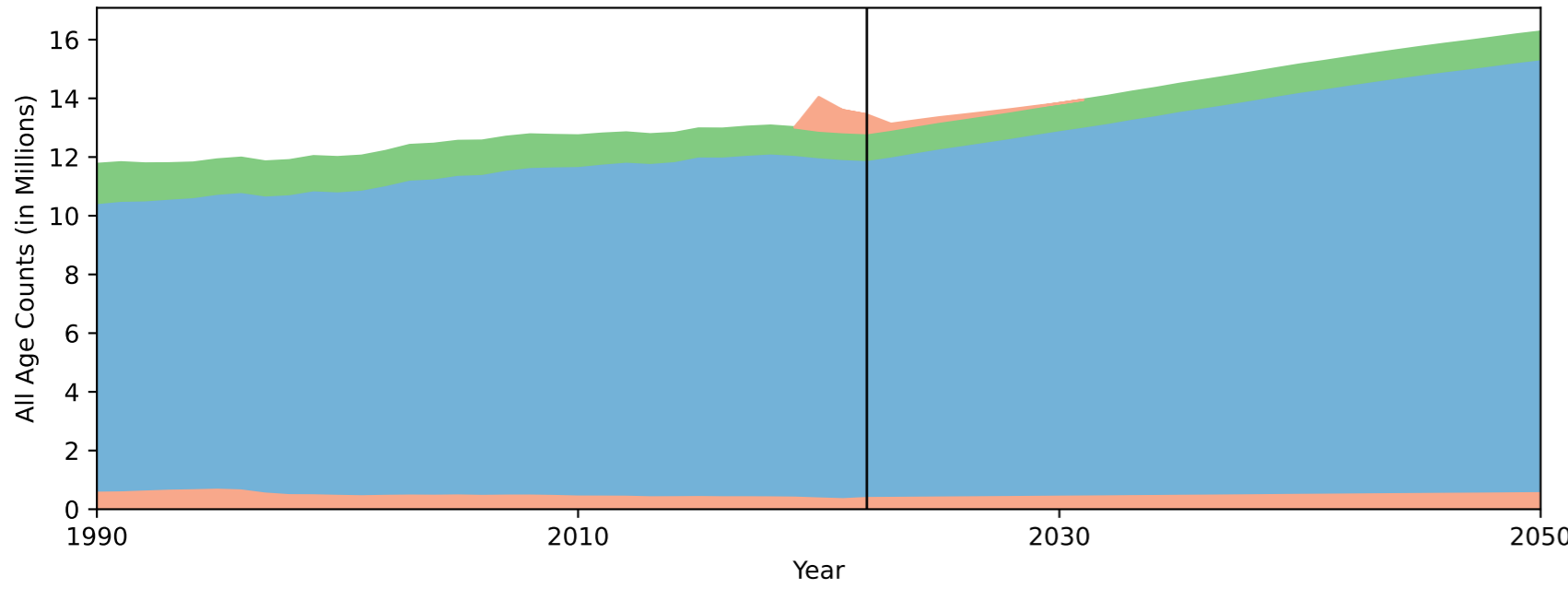
Level 1



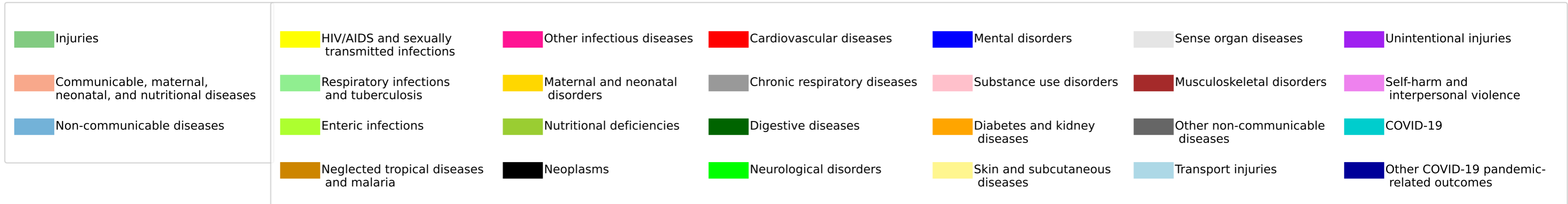
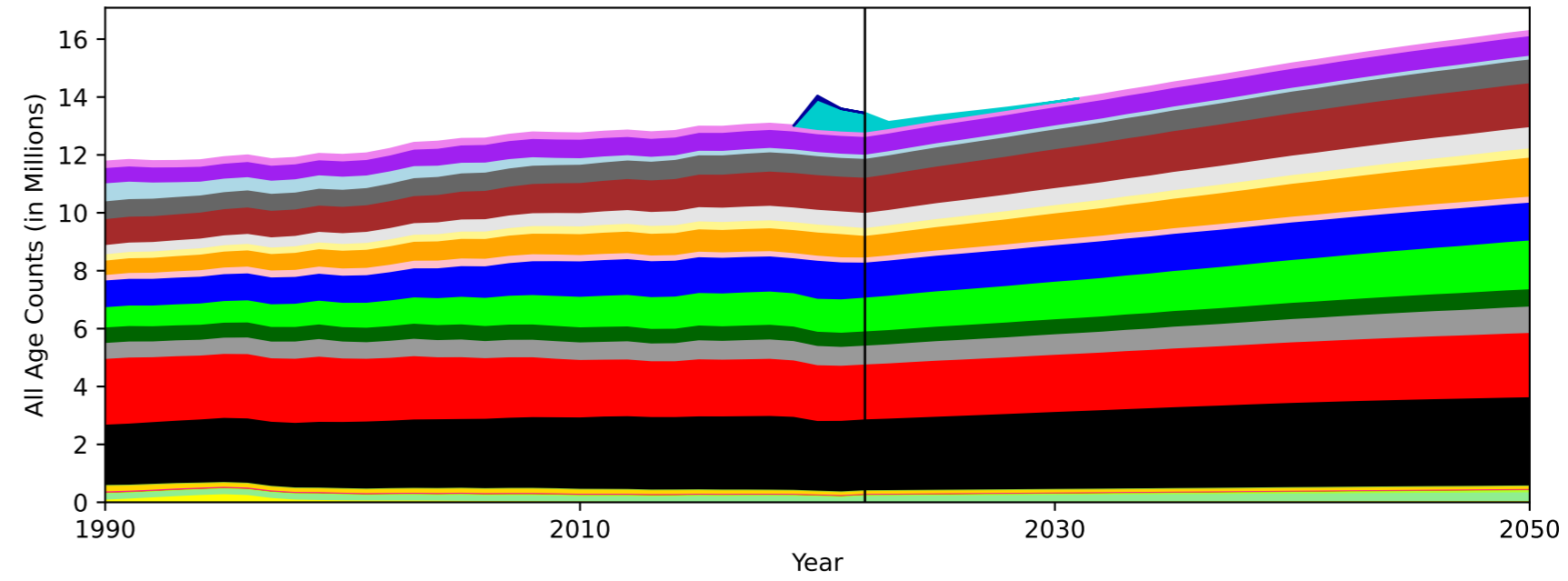
Level 2



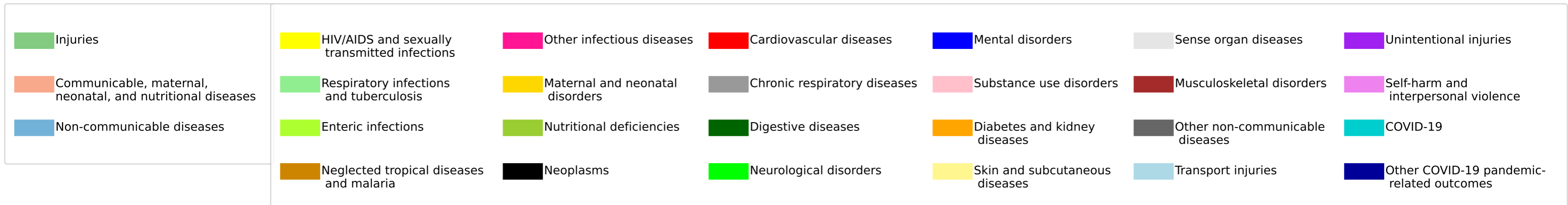
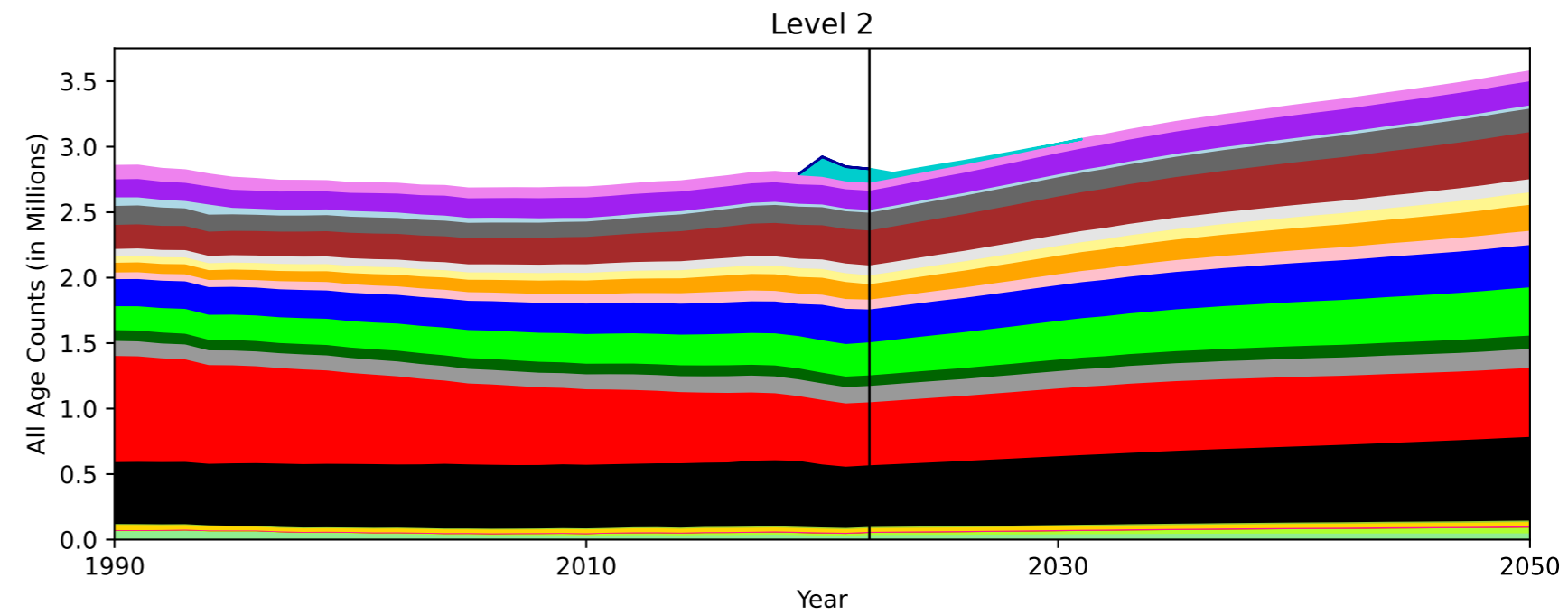
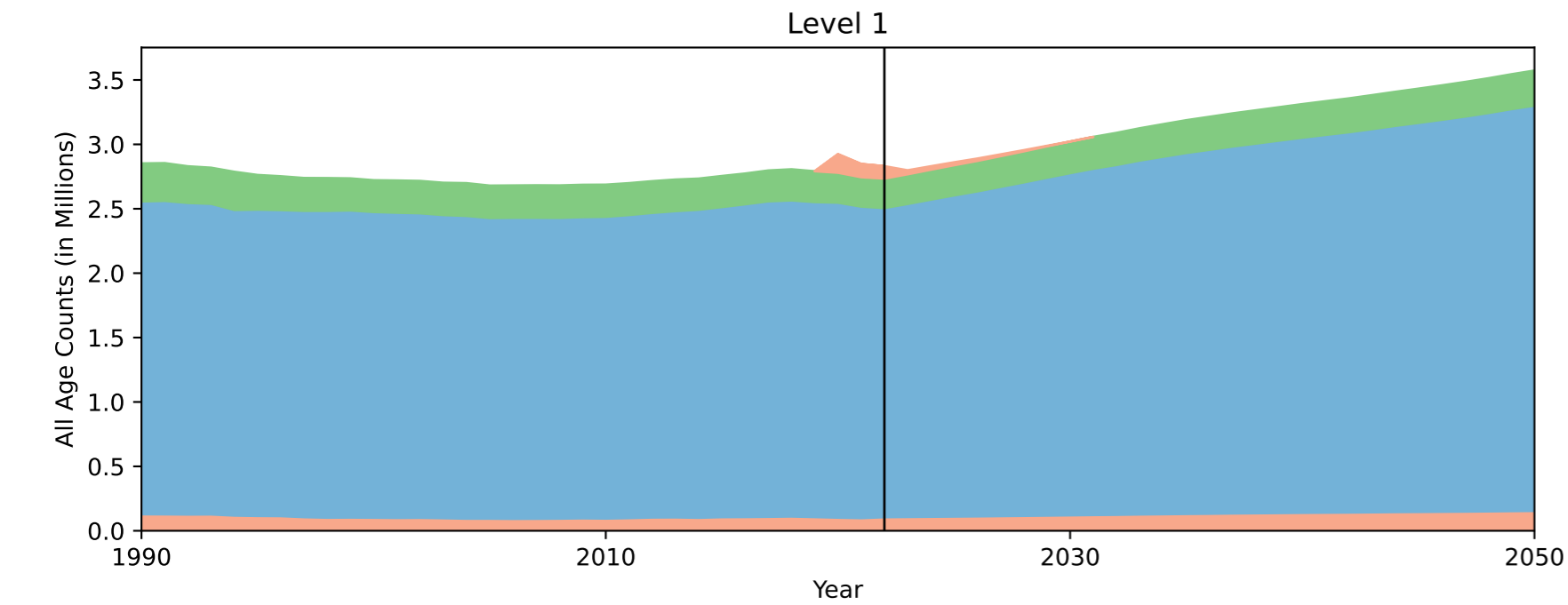
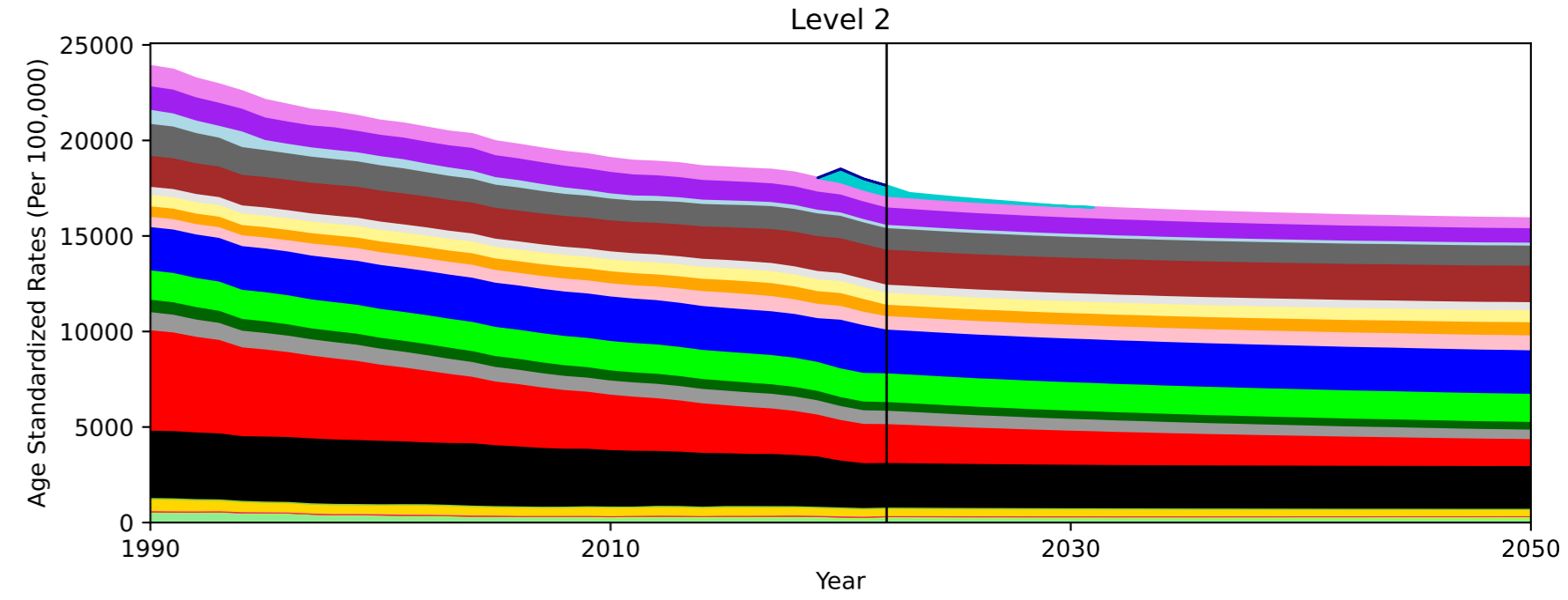
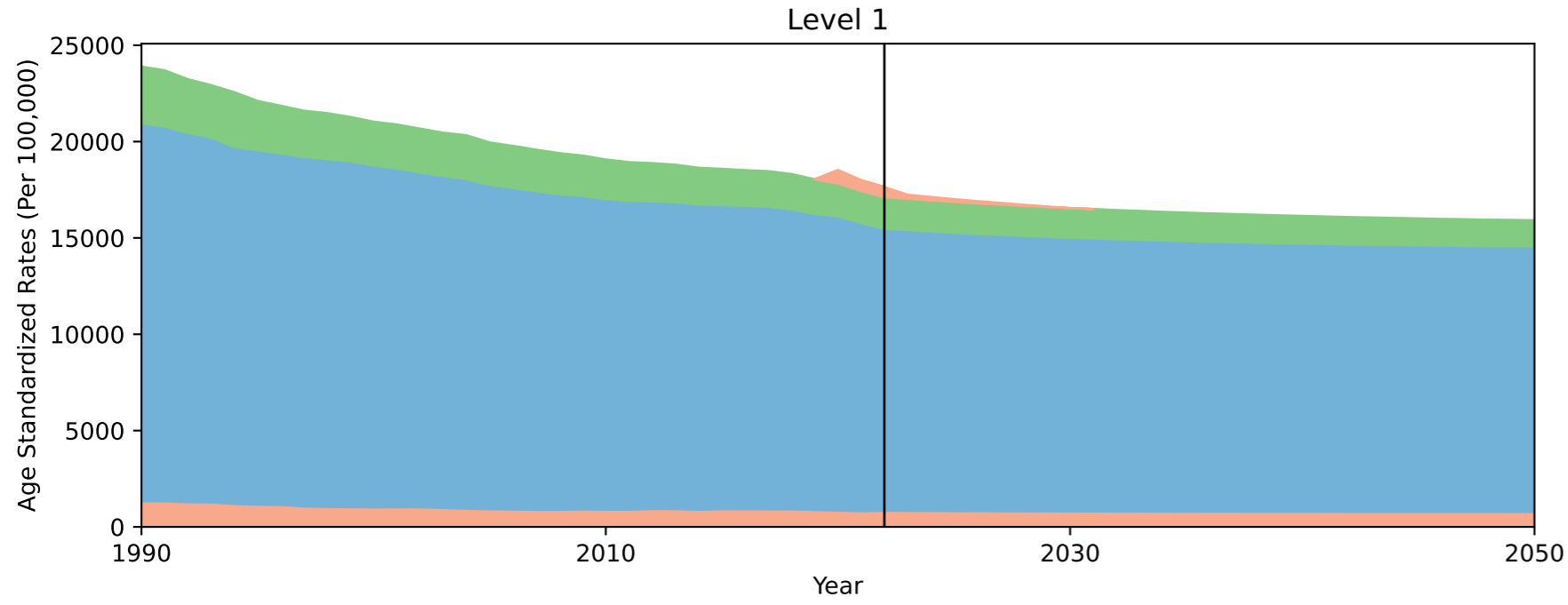
Level 1



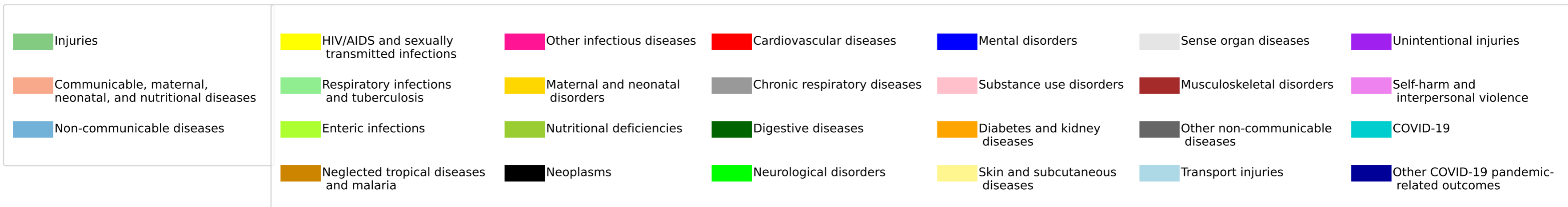
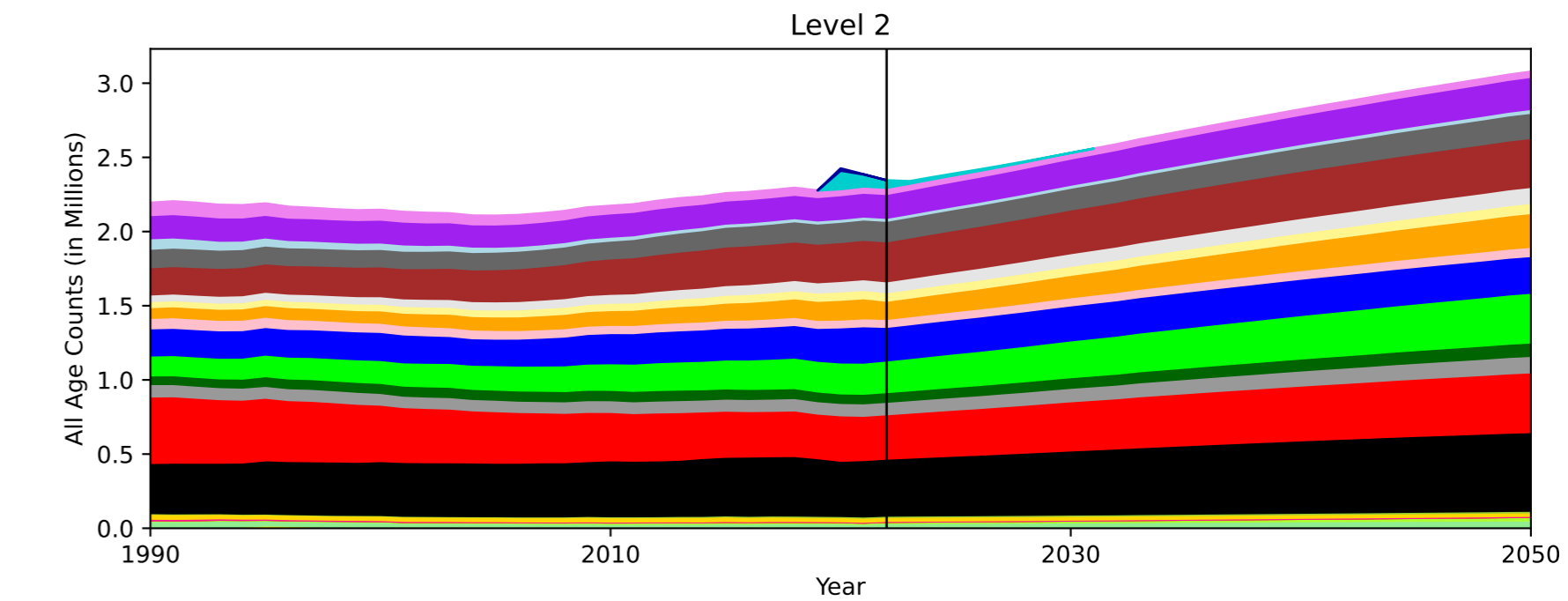
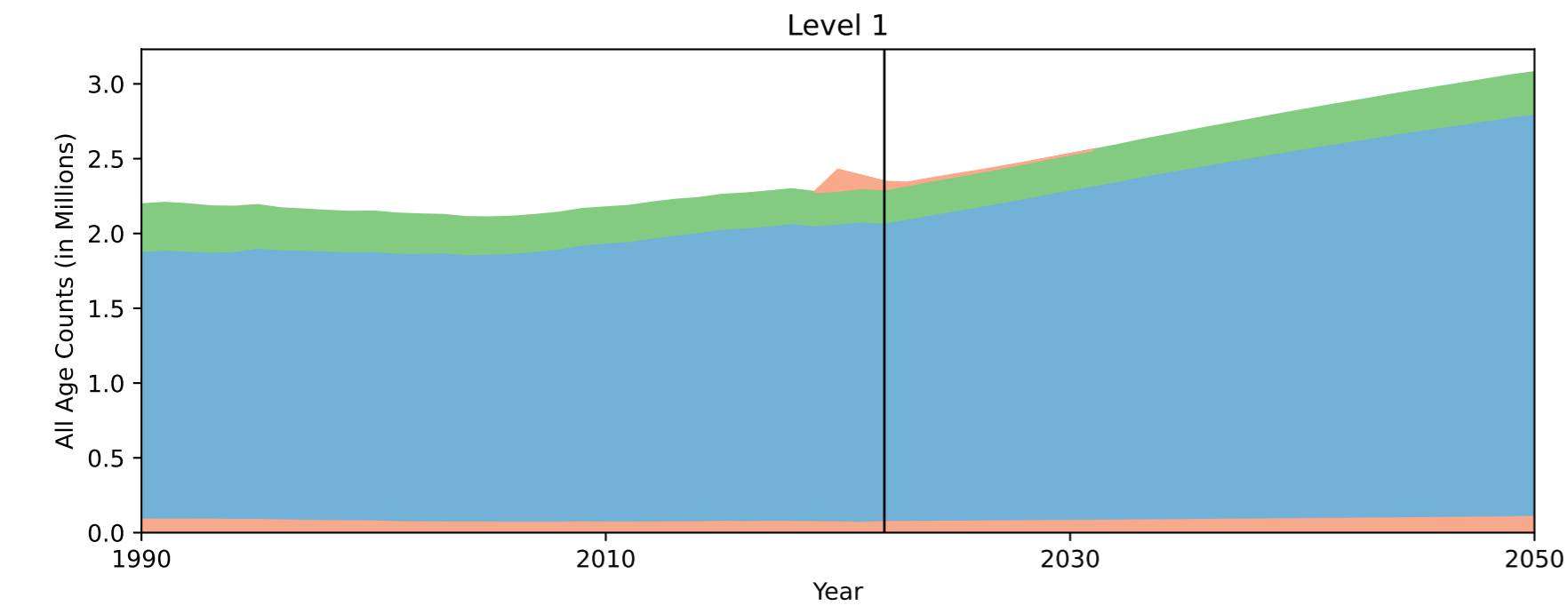
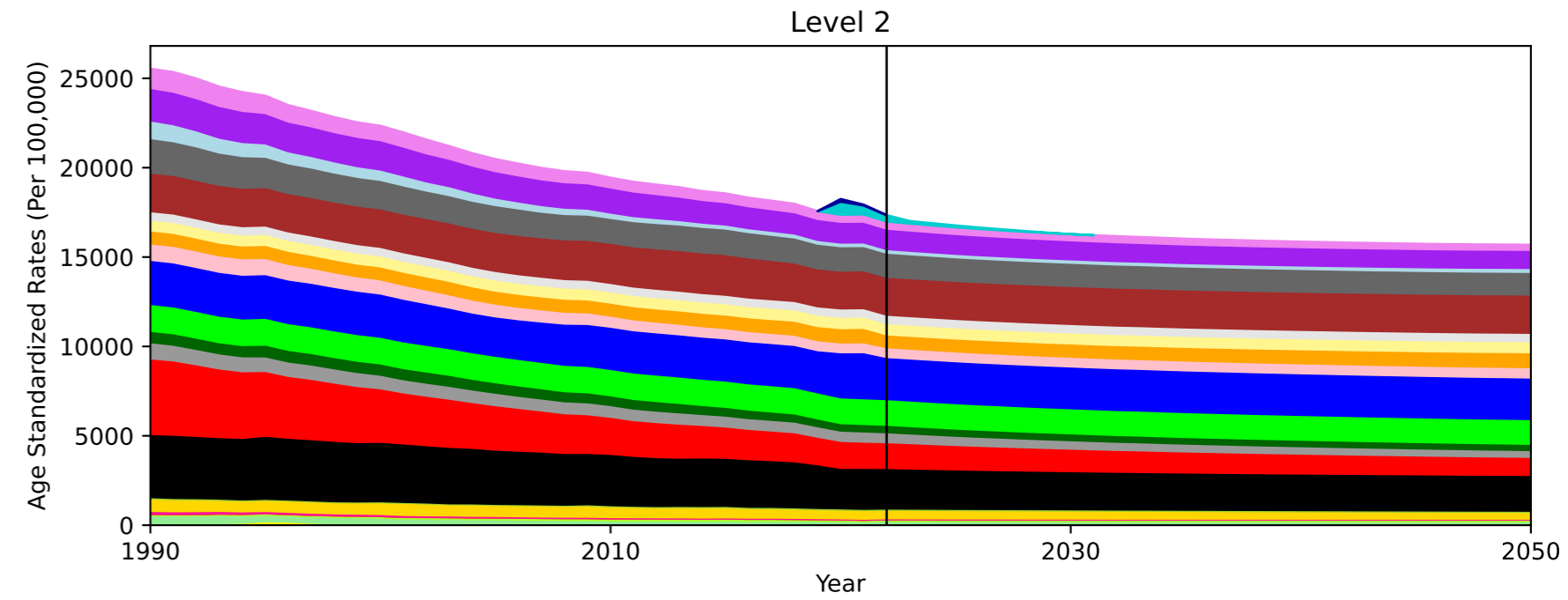
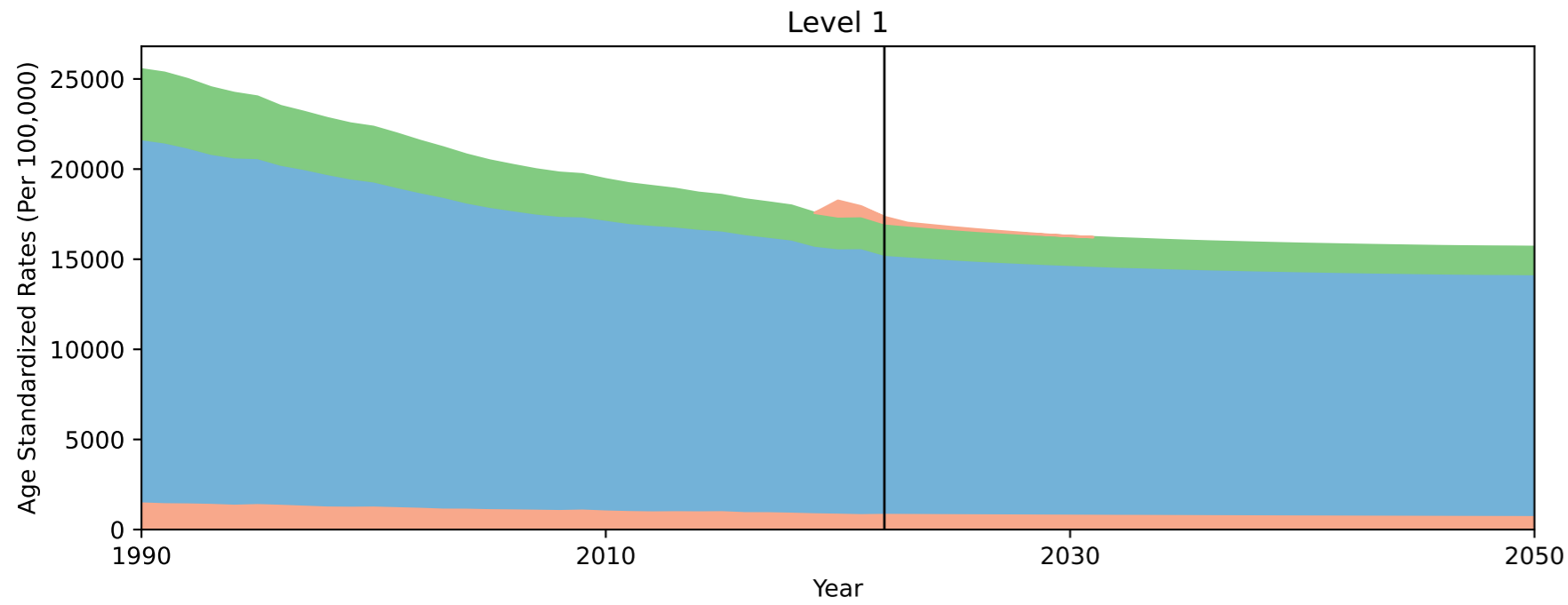
Level 2



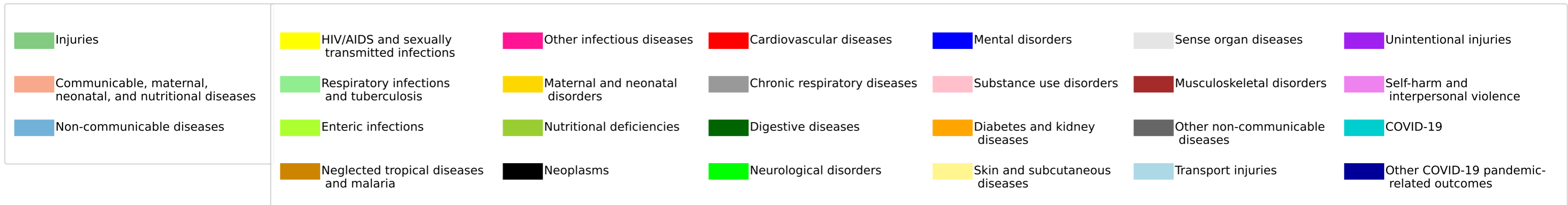
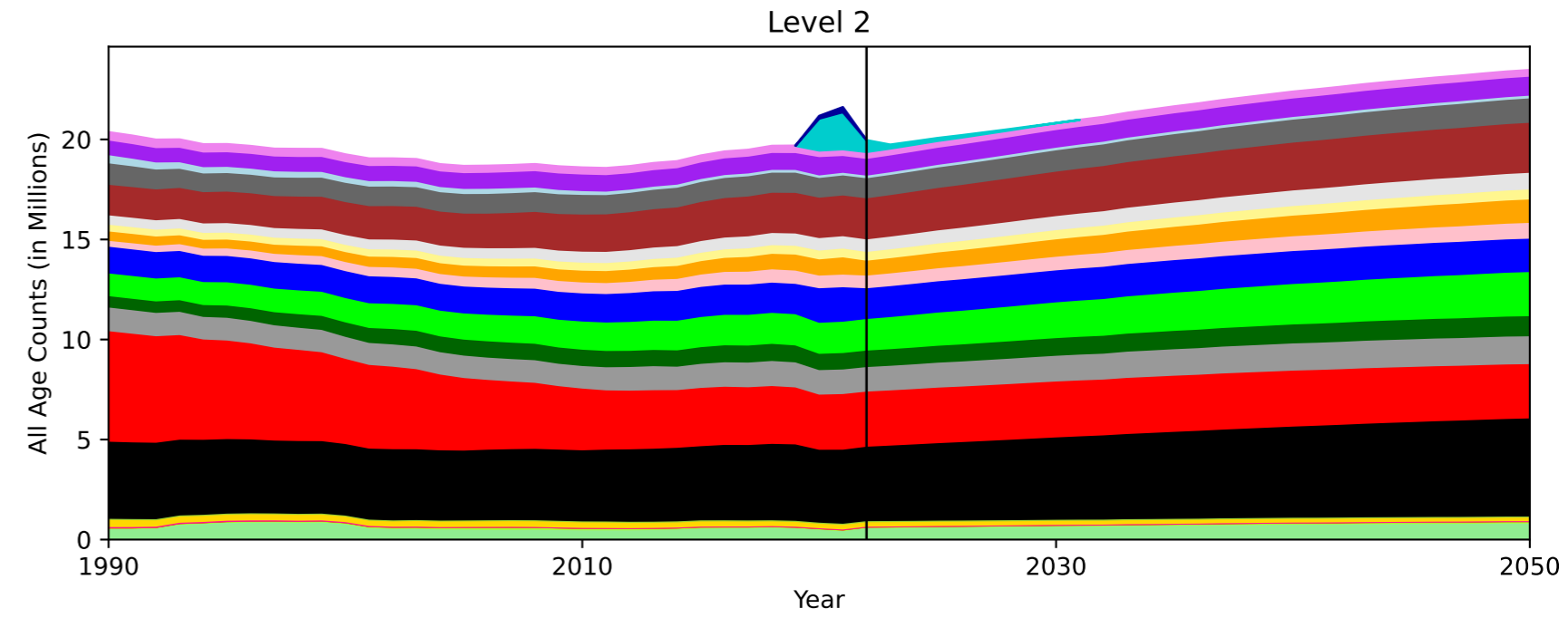
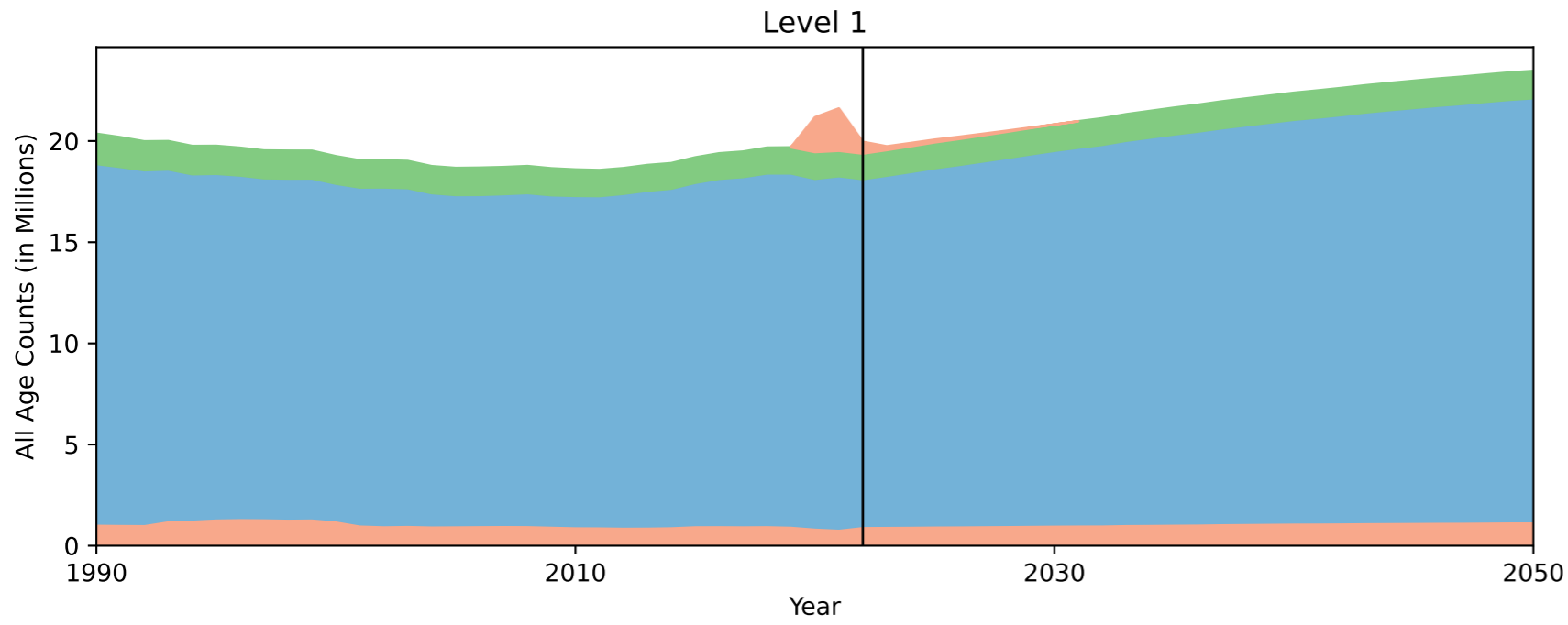
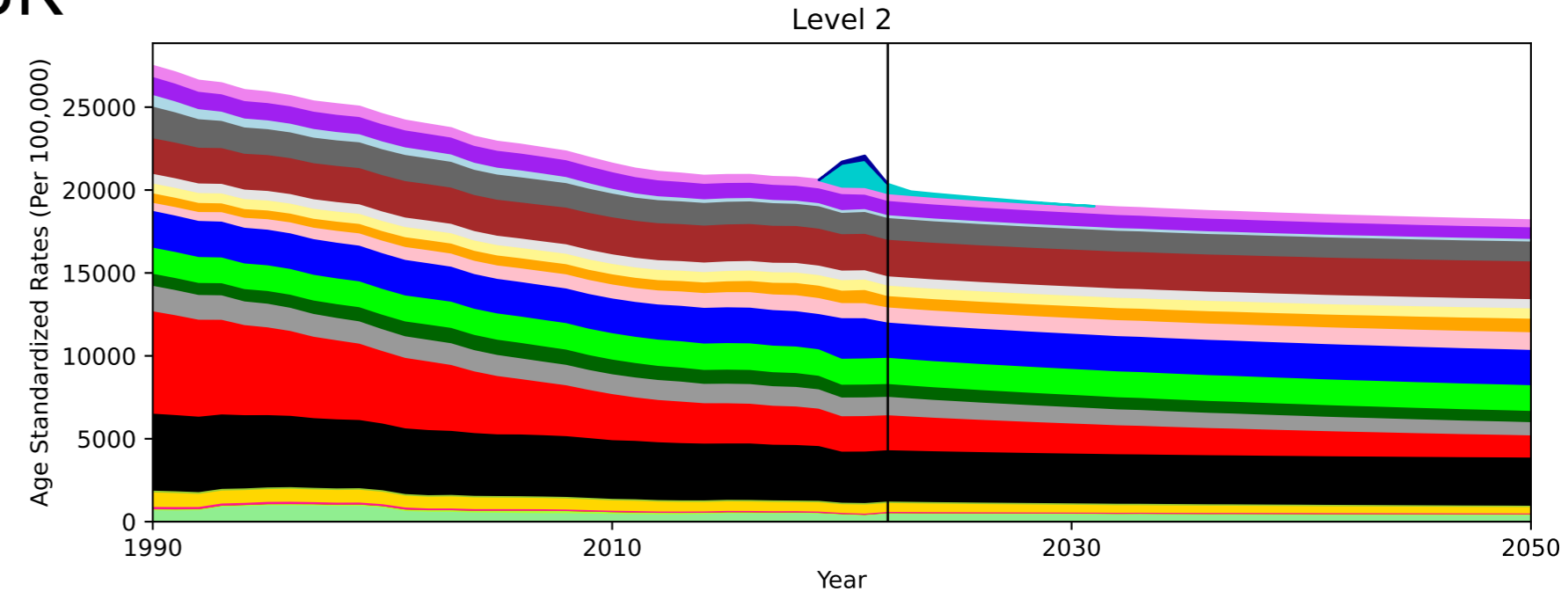
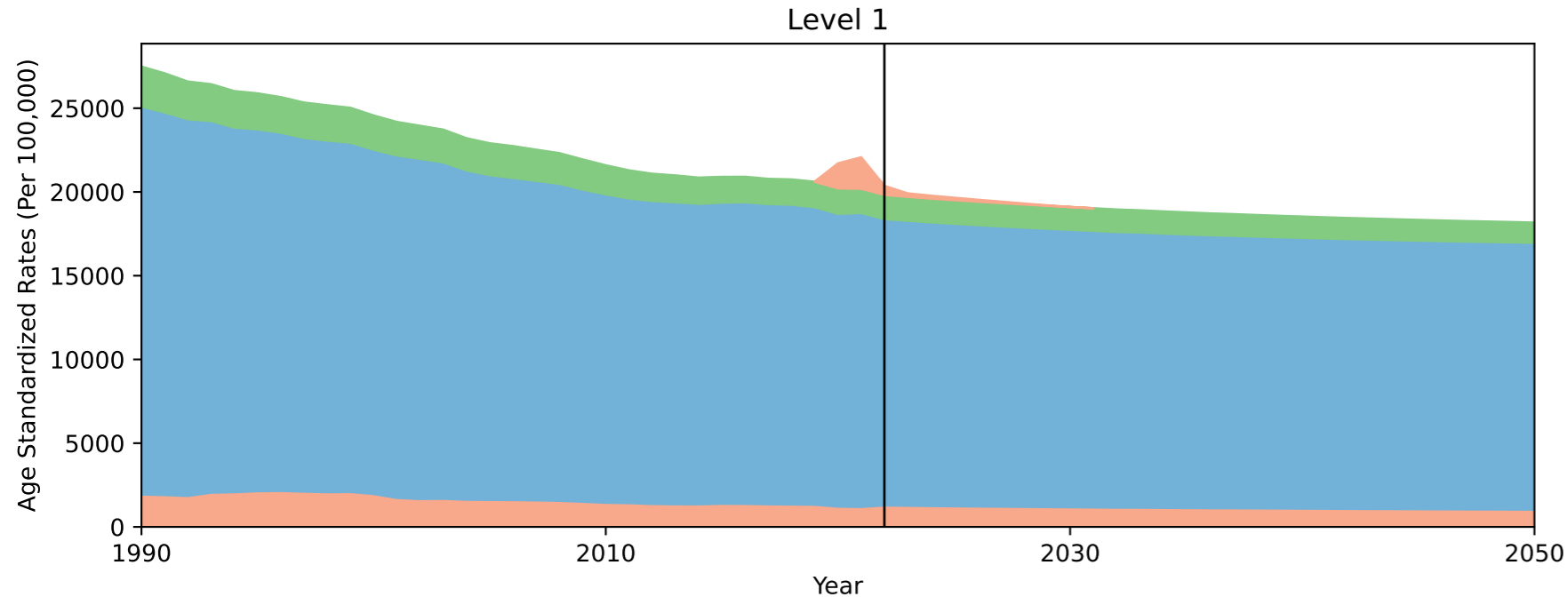
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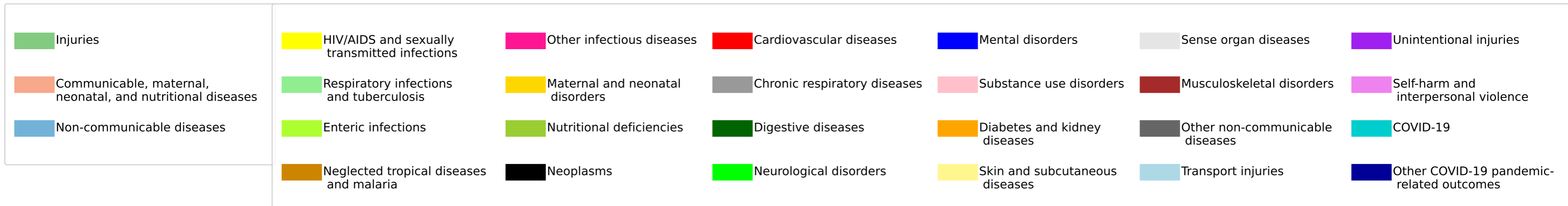
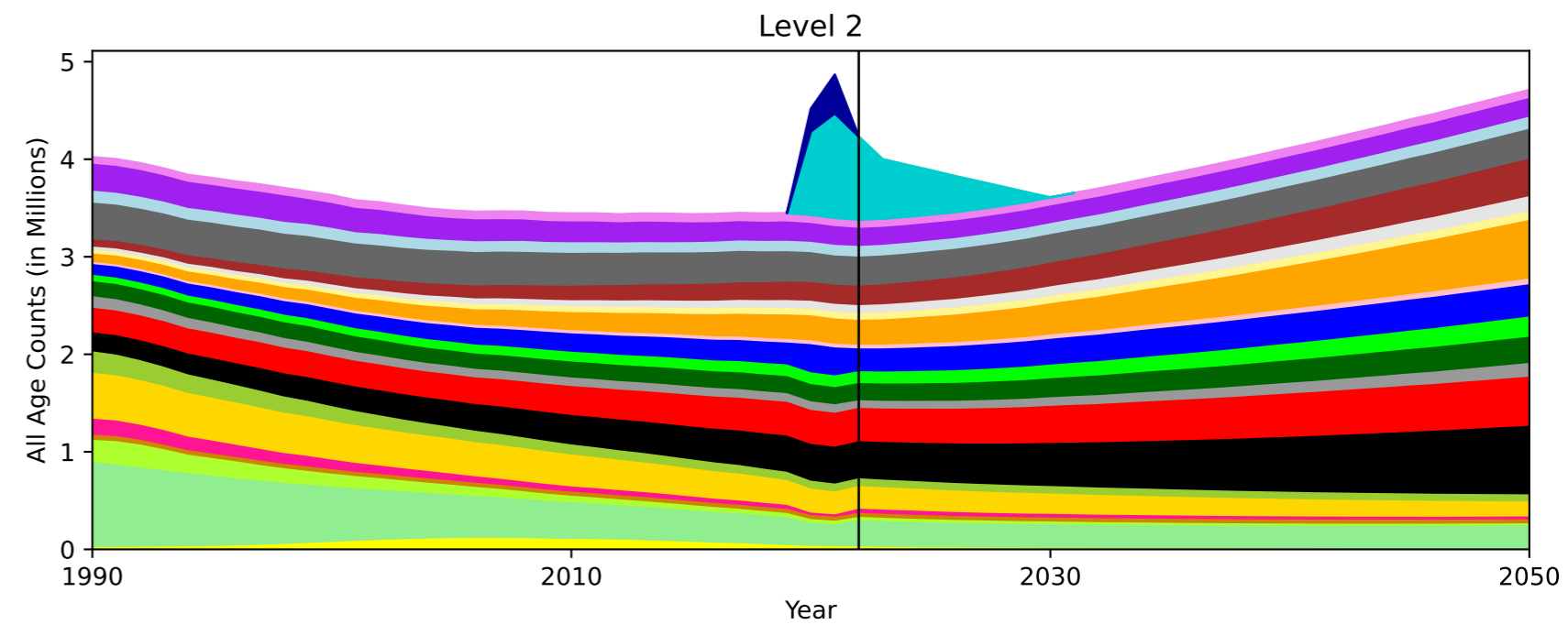
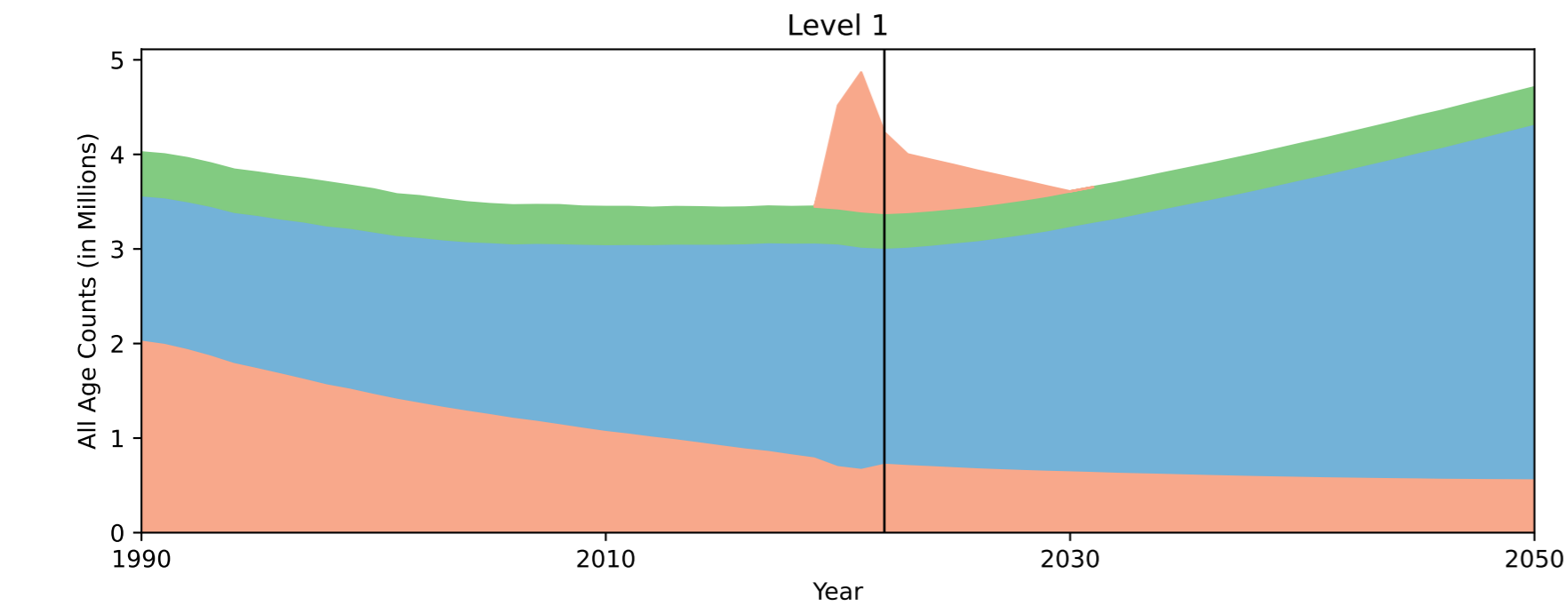
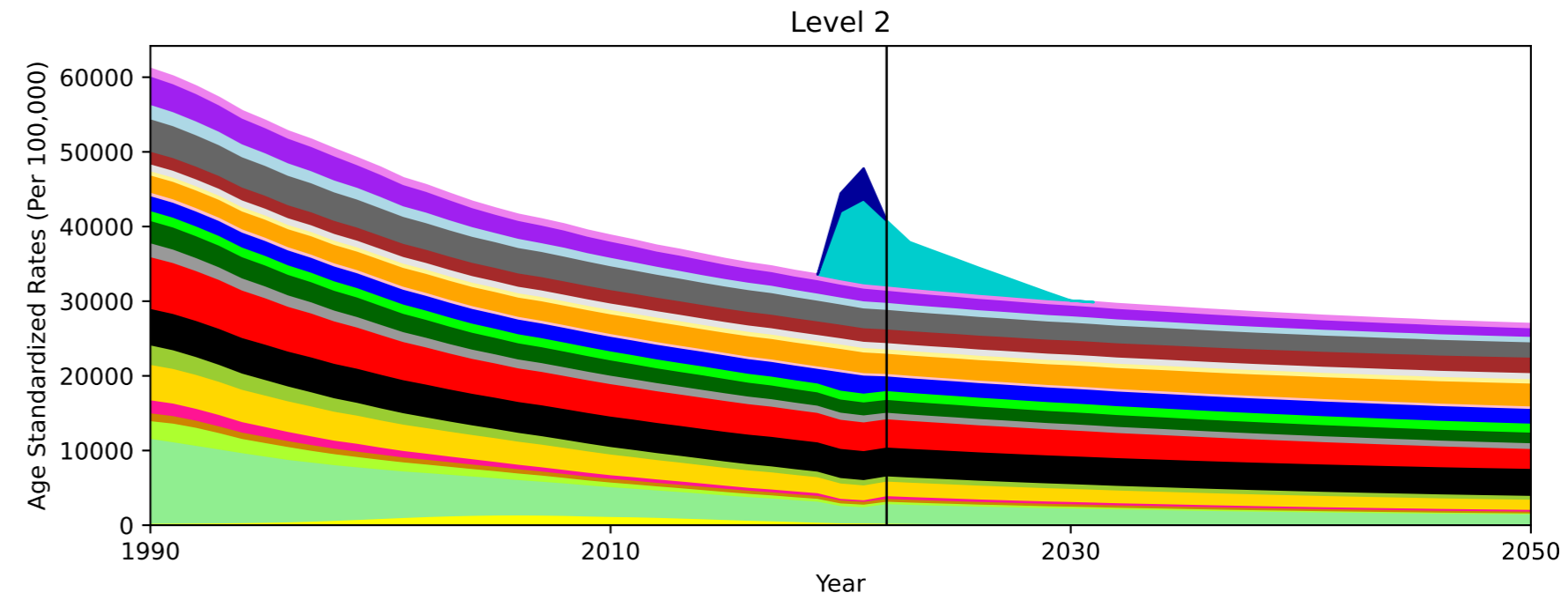
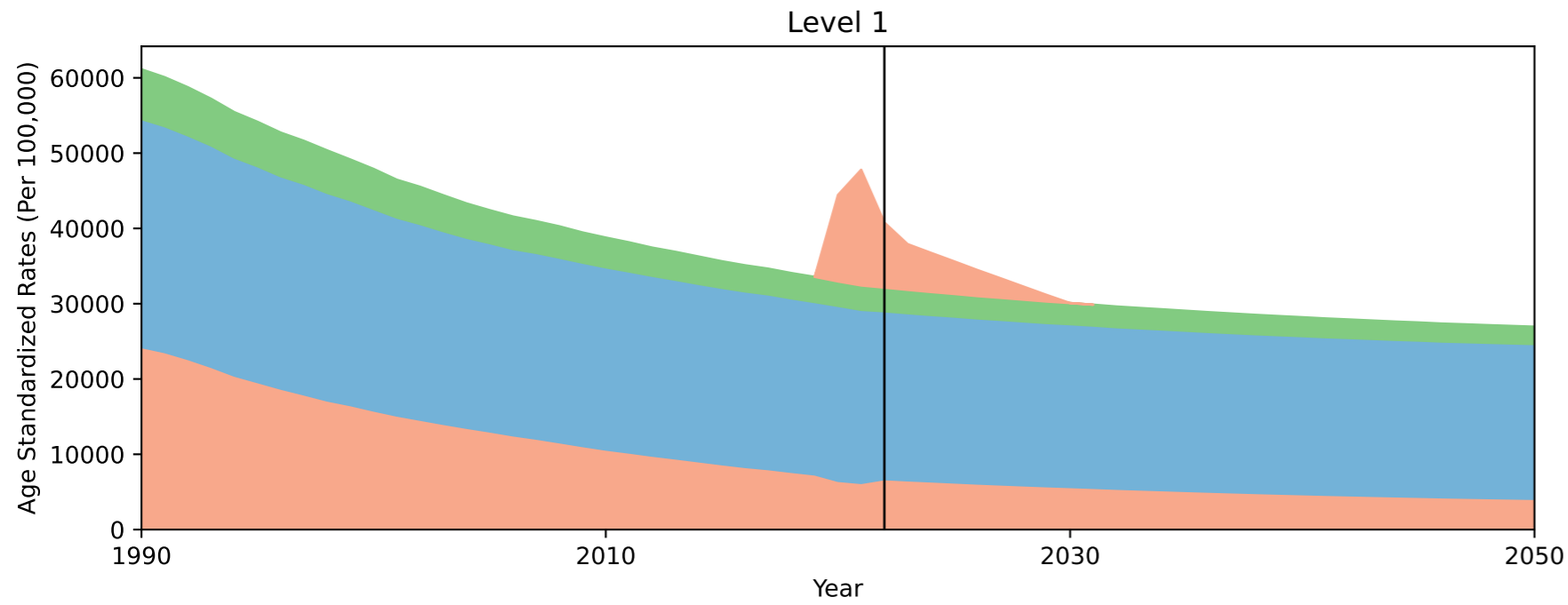
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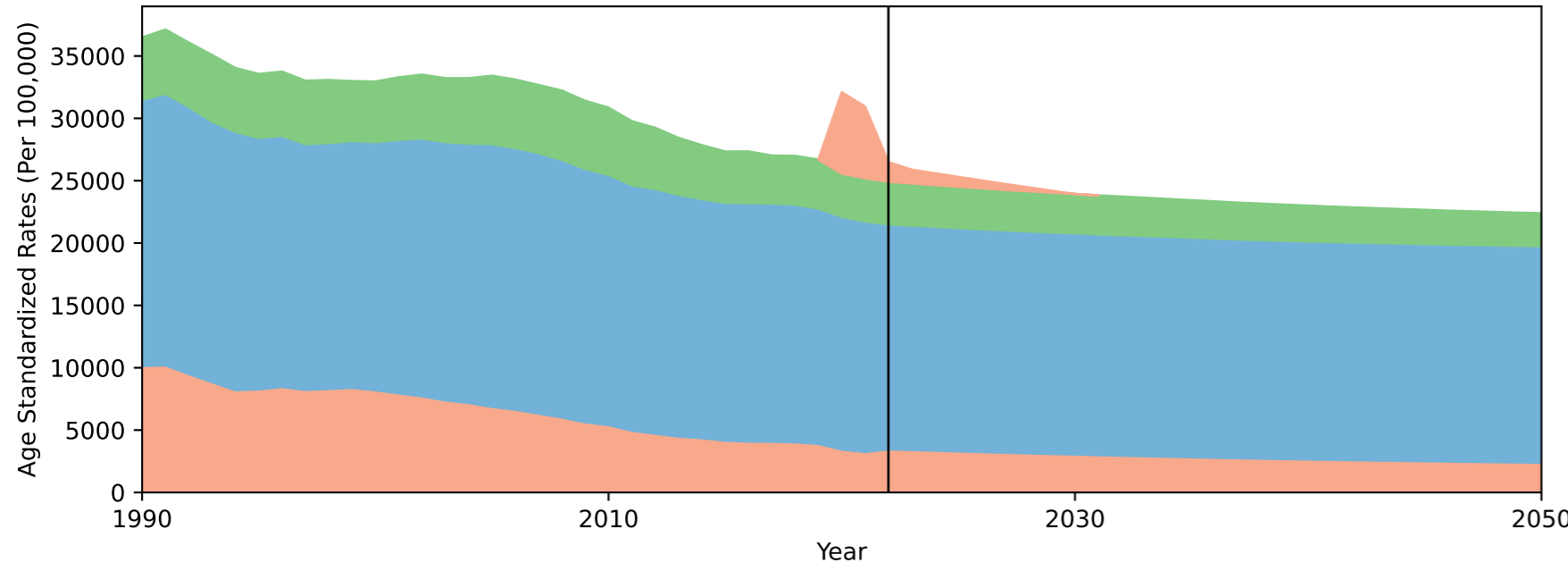
UK



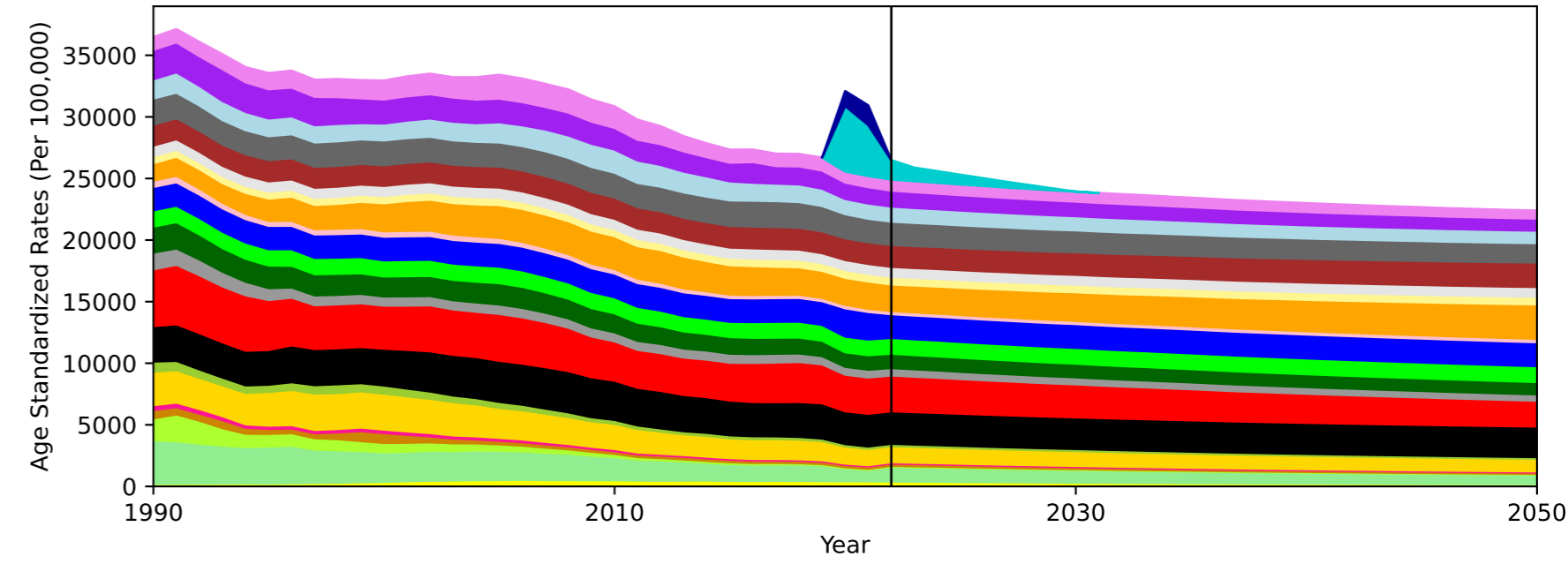
# Bolivia



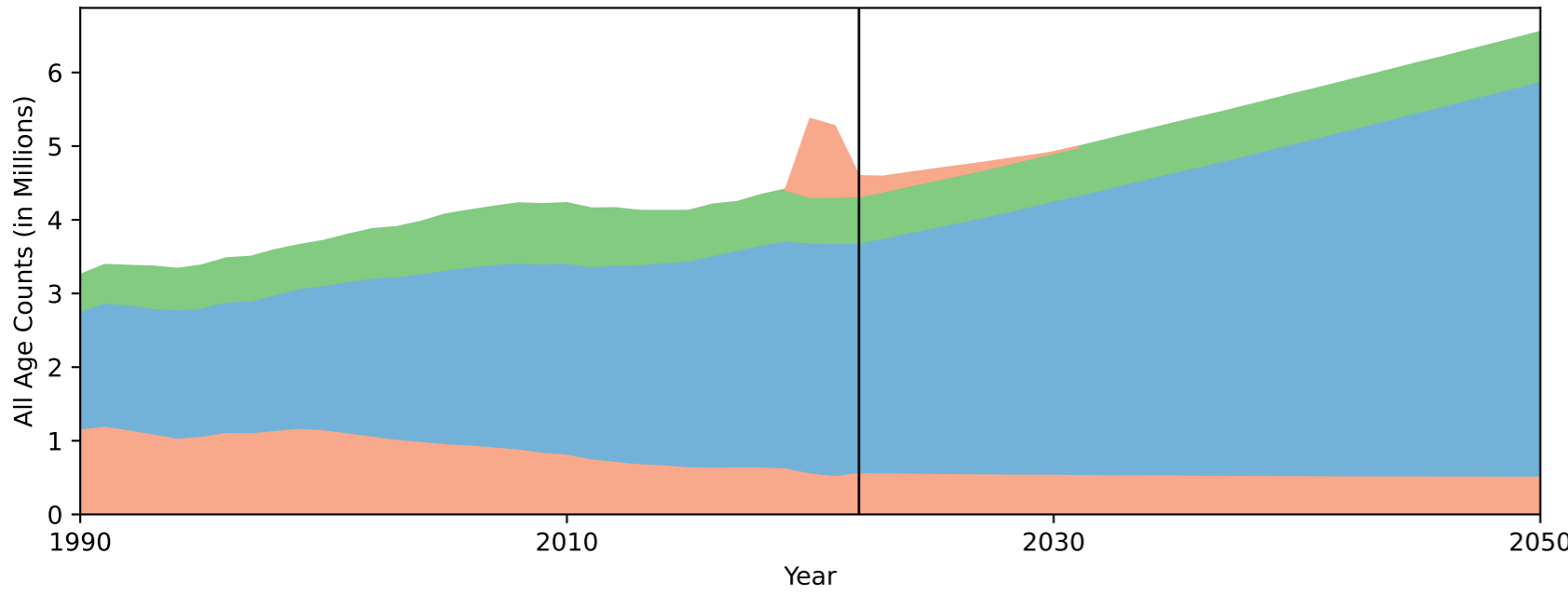
Level 1



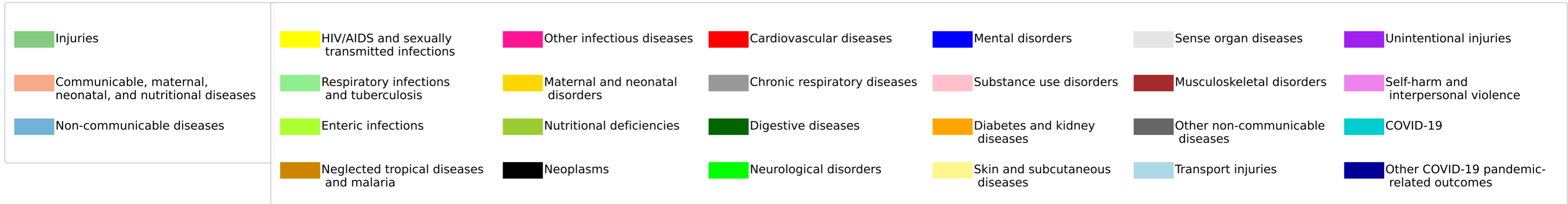
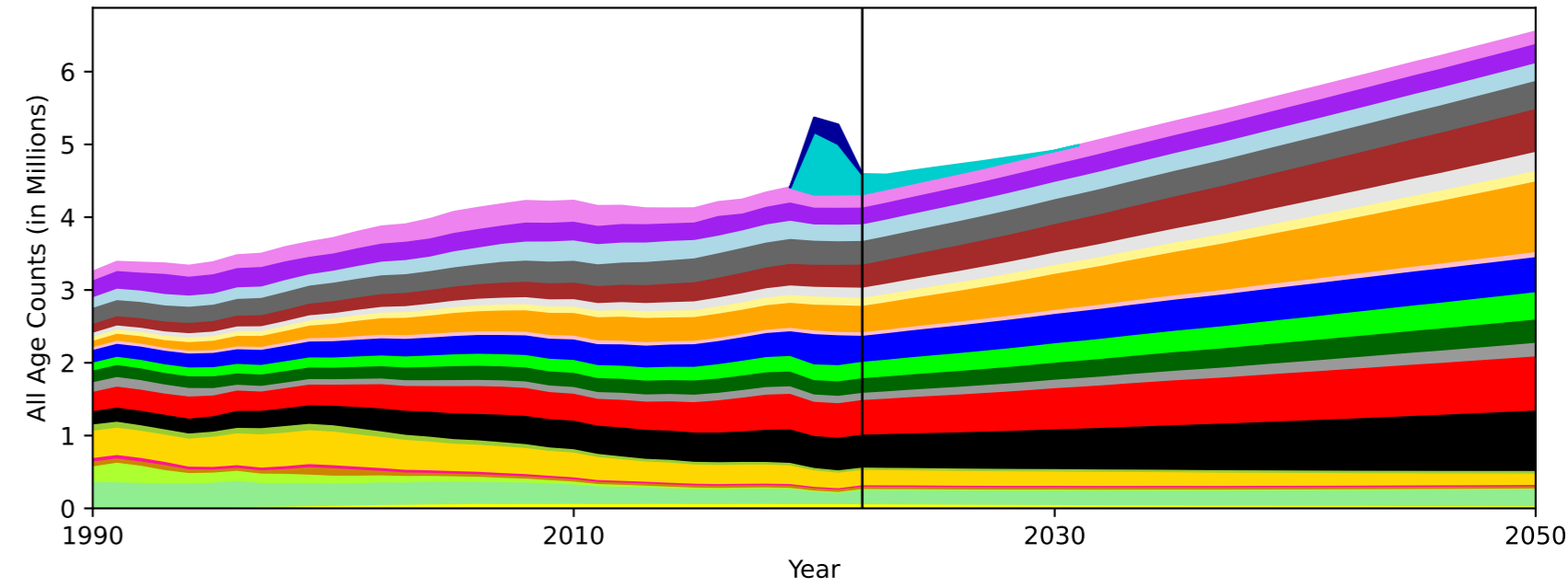
Level 2



Level 1

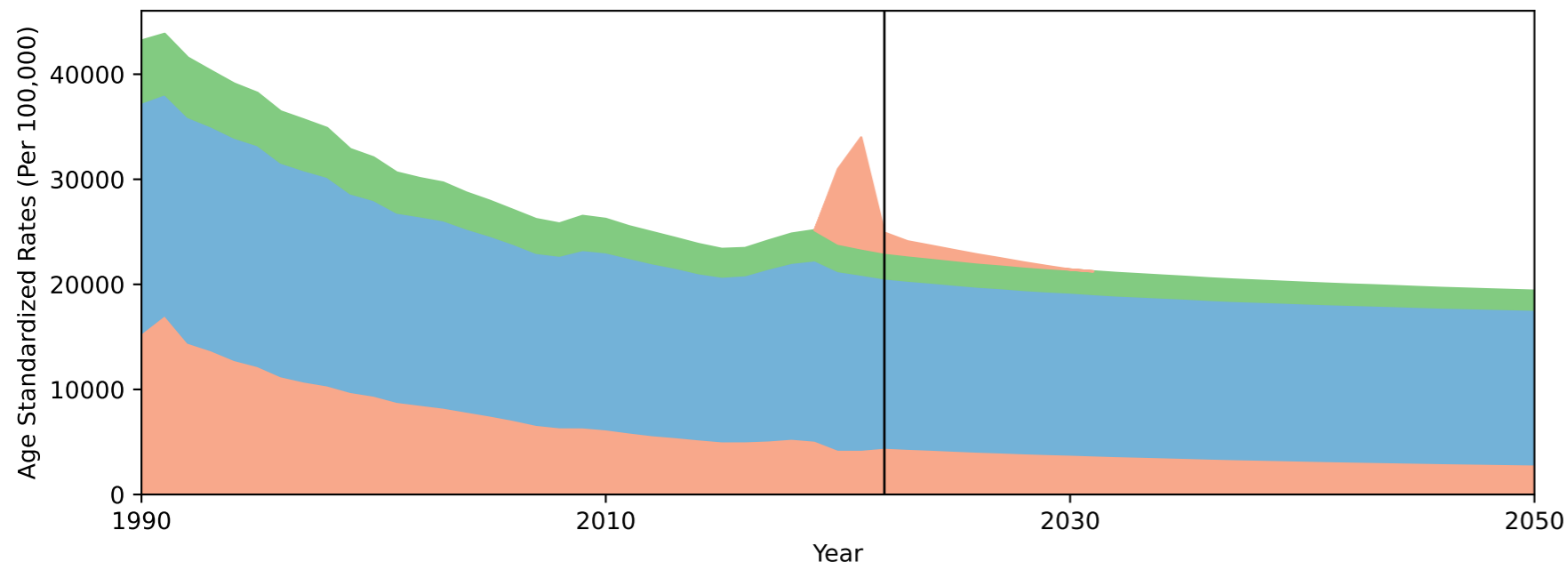


Level 2

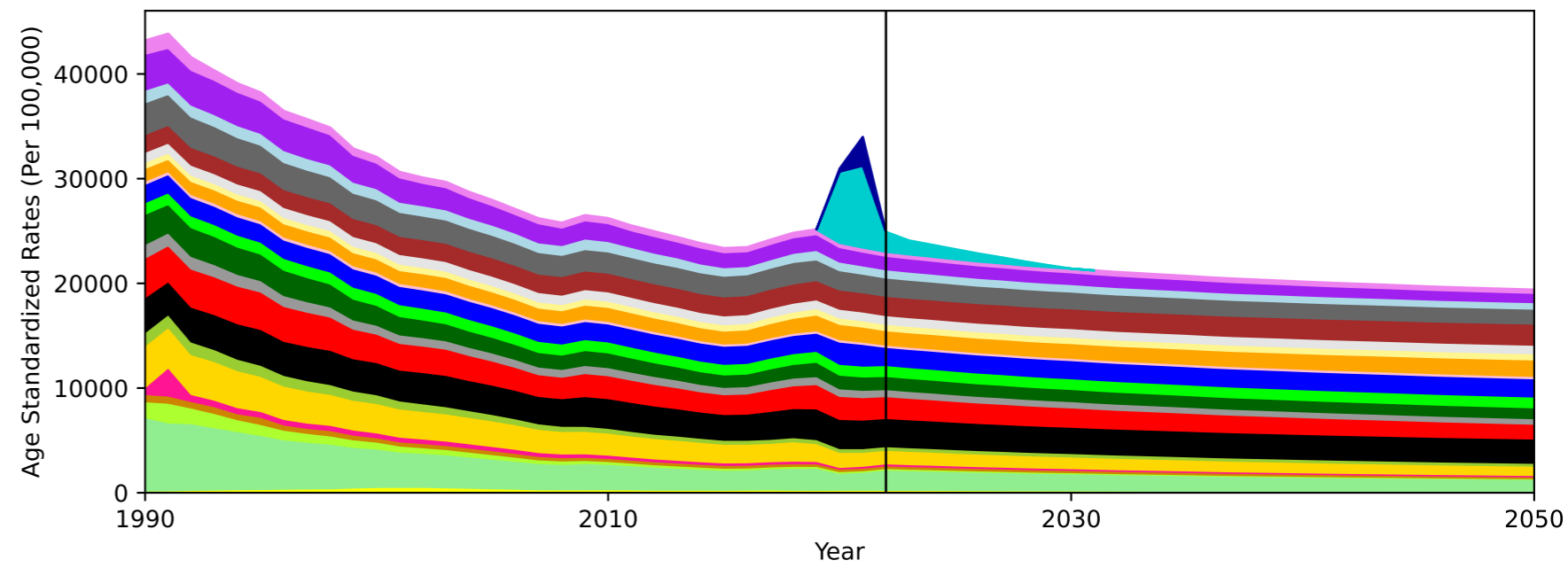




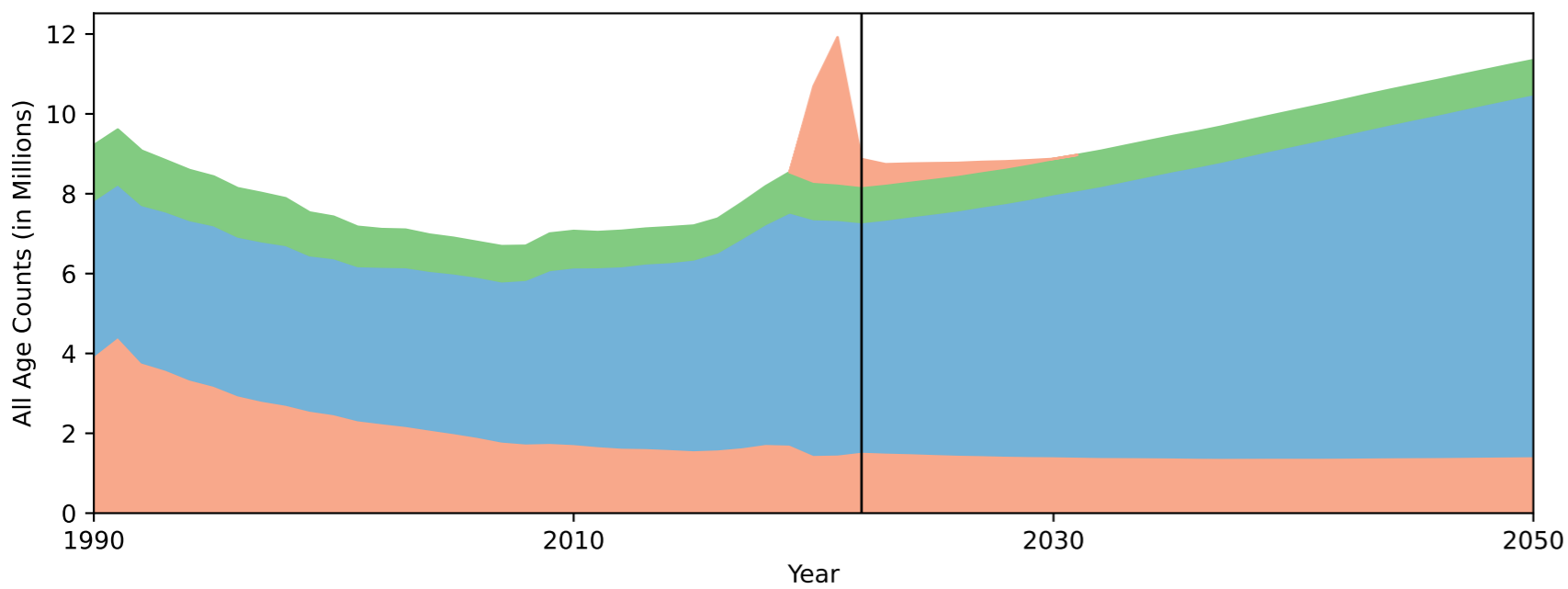
Level 1



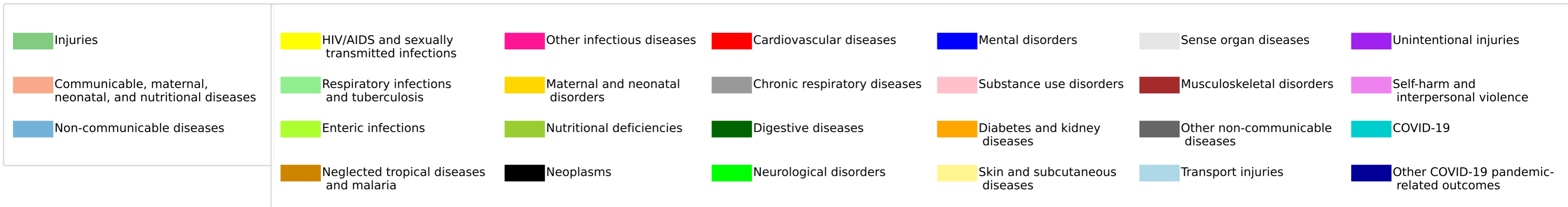
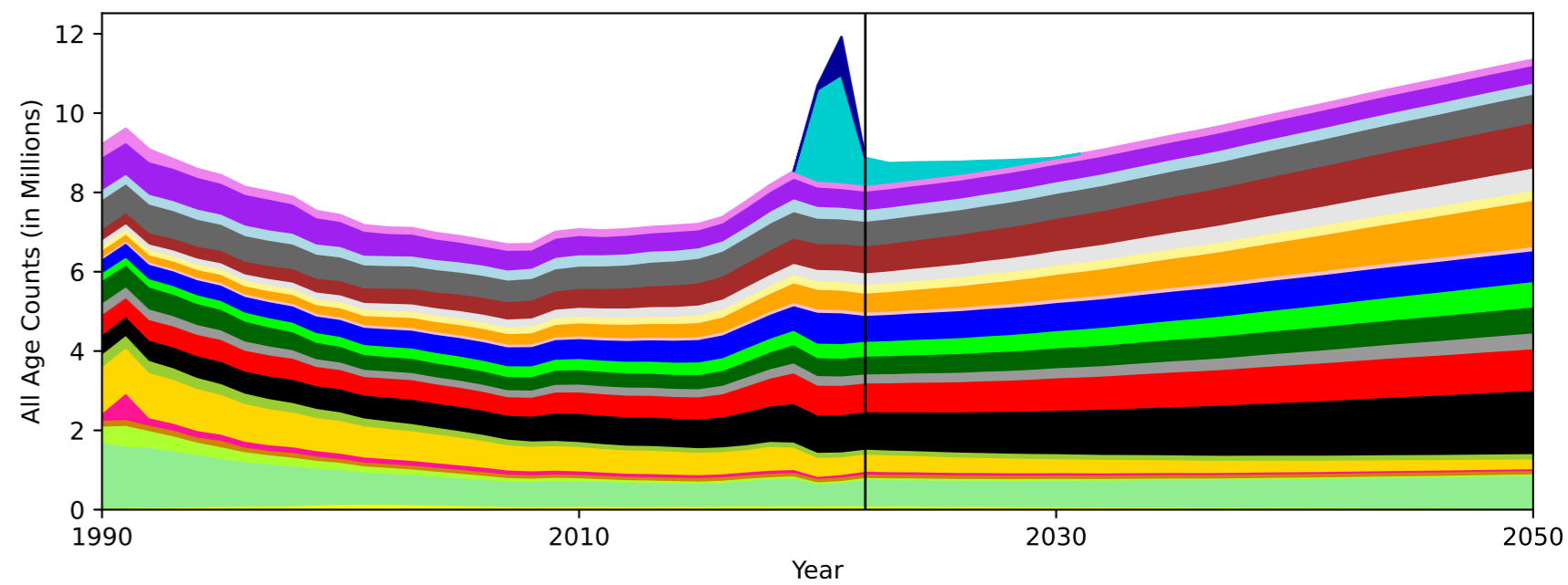
Level 2



Level 1



Level 2

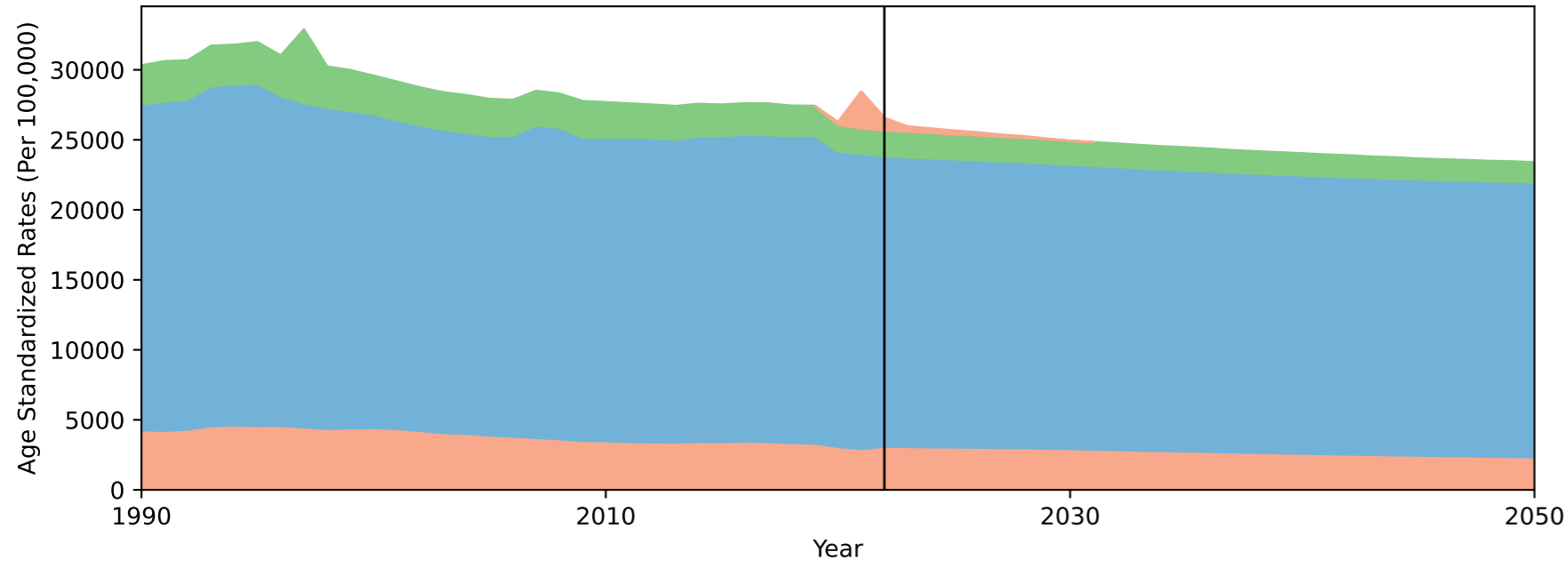


# Antigua And Barbuda

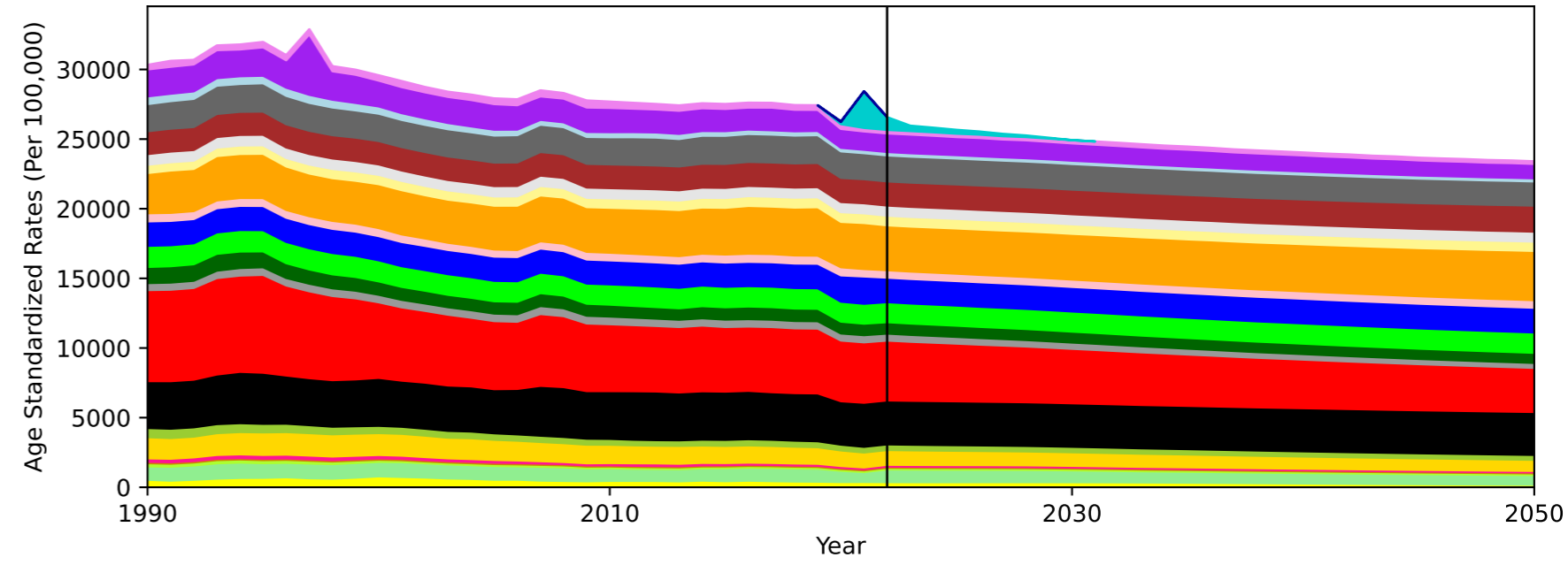
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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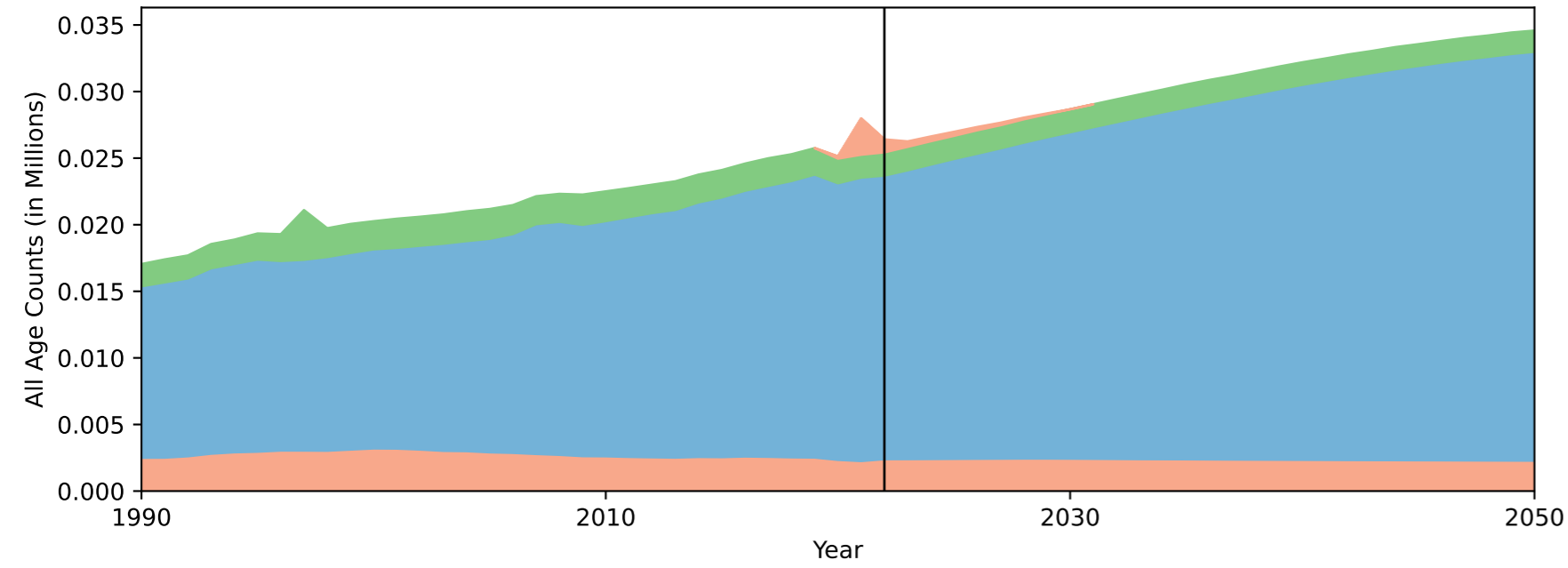
Level 1



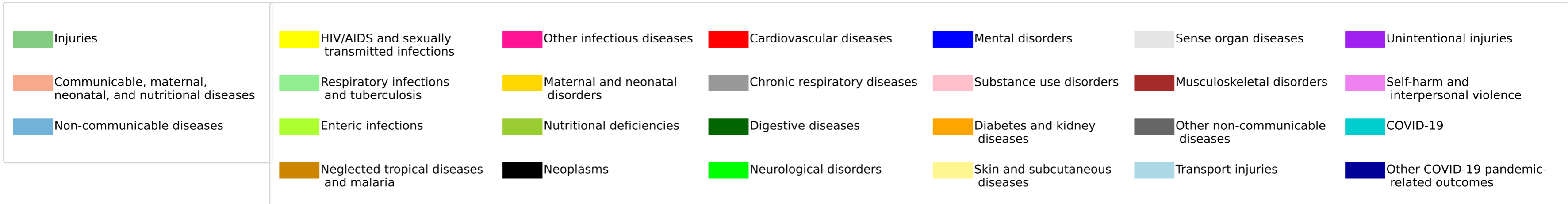
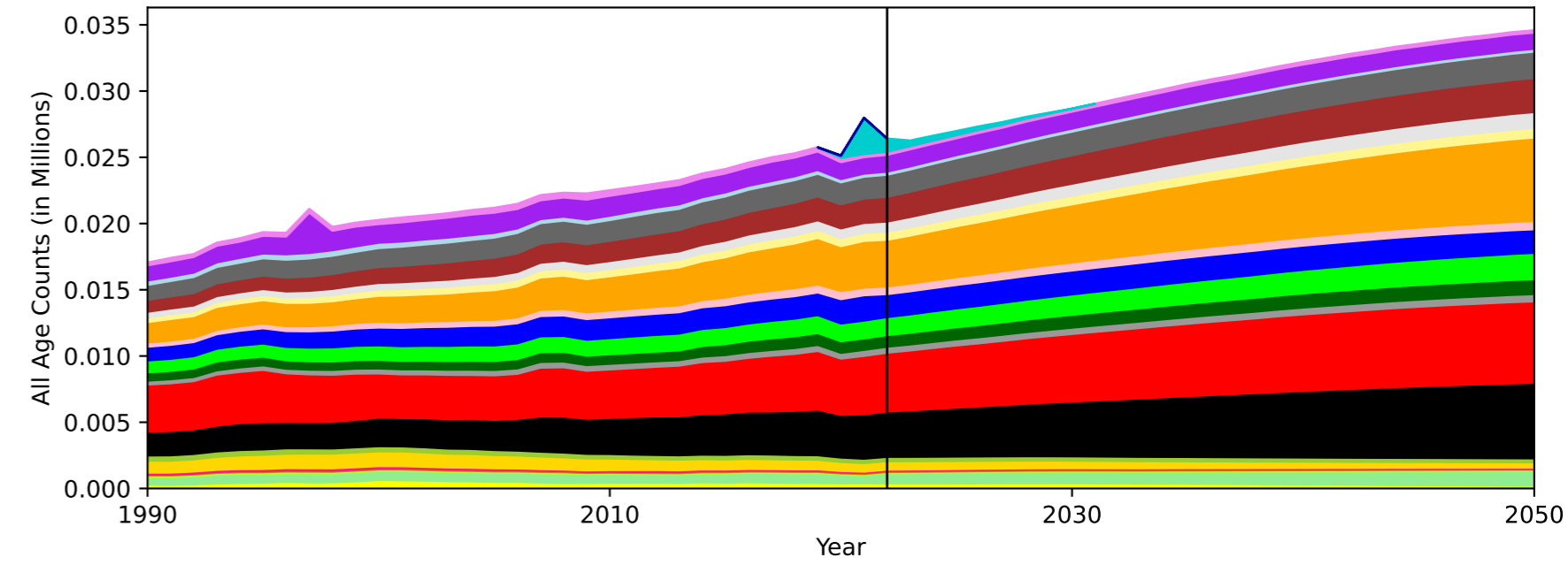
Level 2



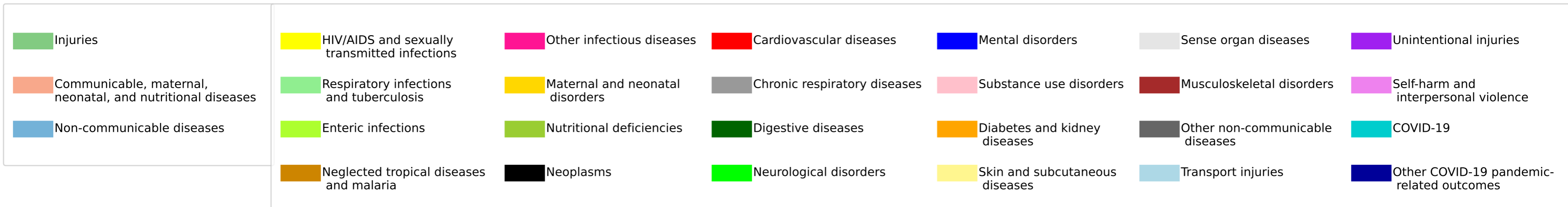
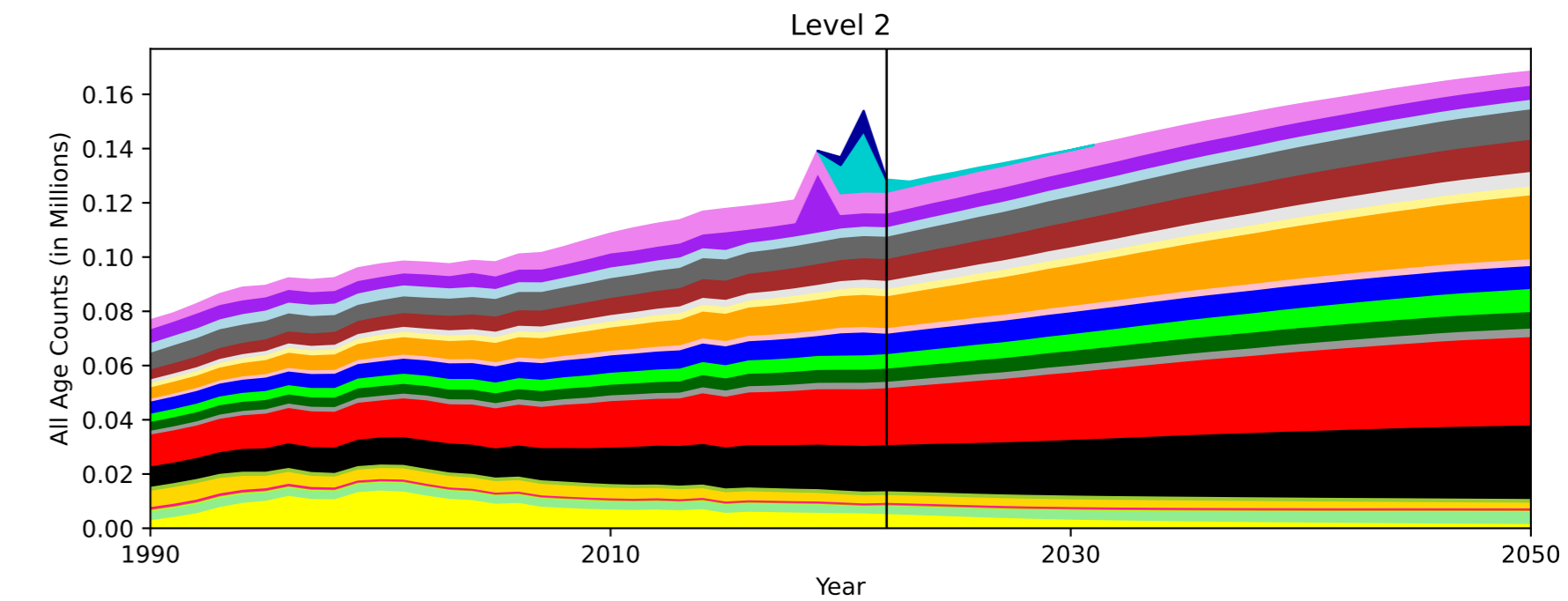
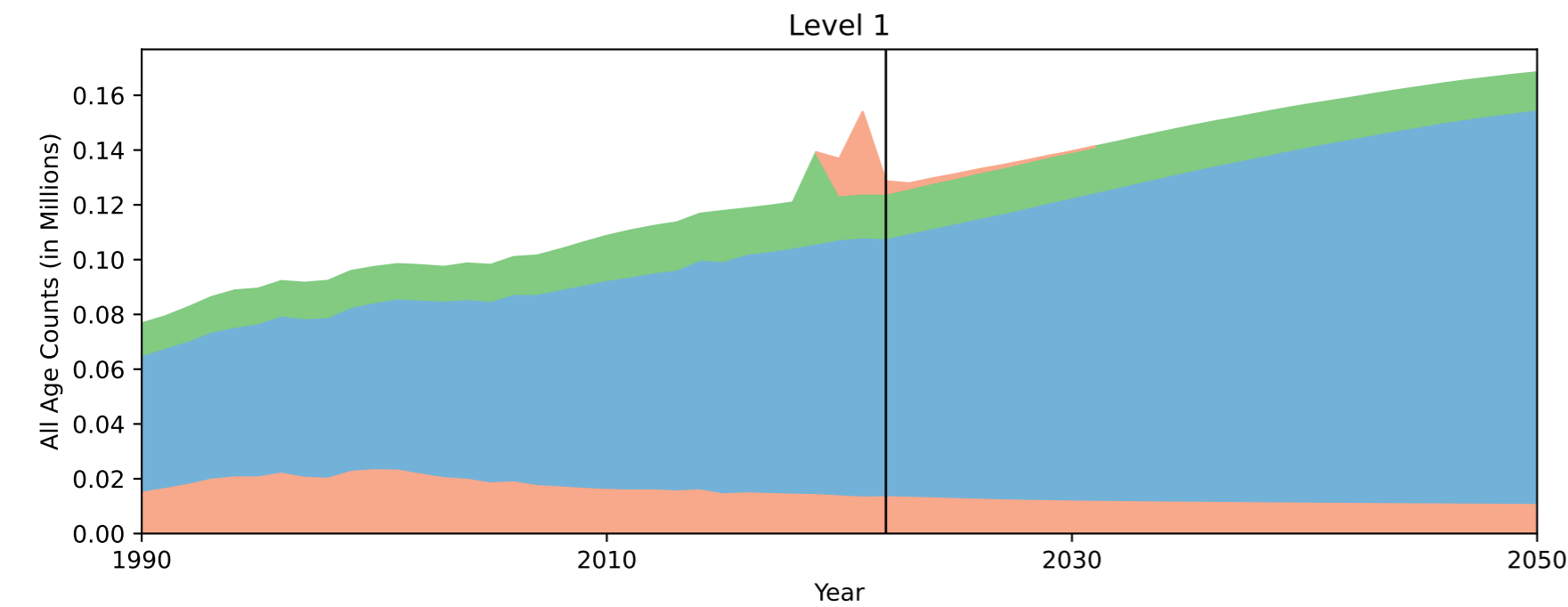
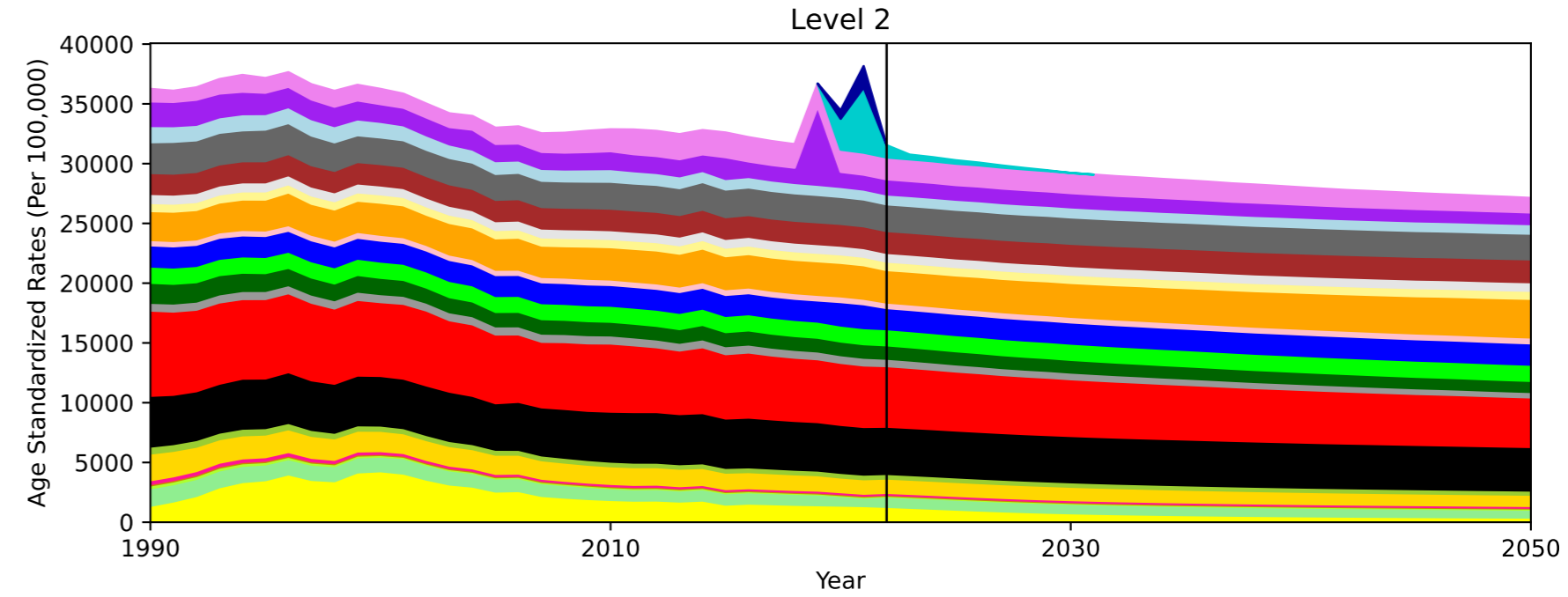
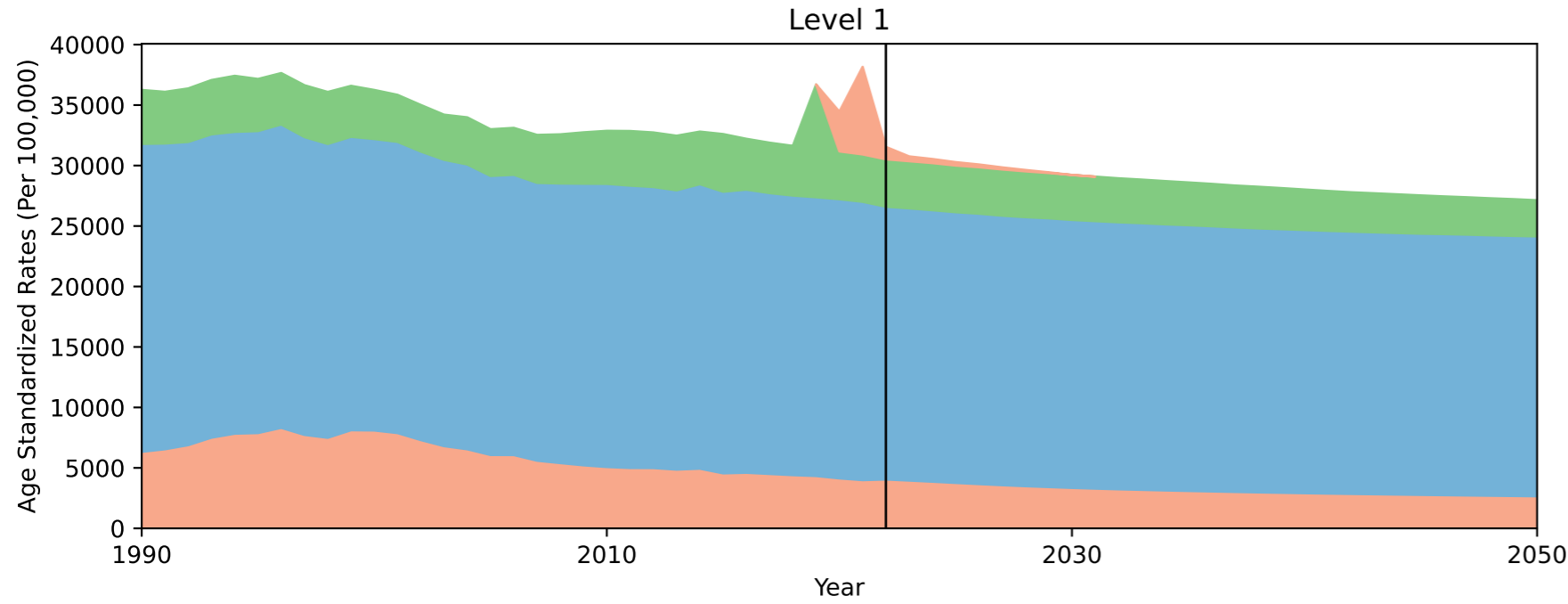
Level 1



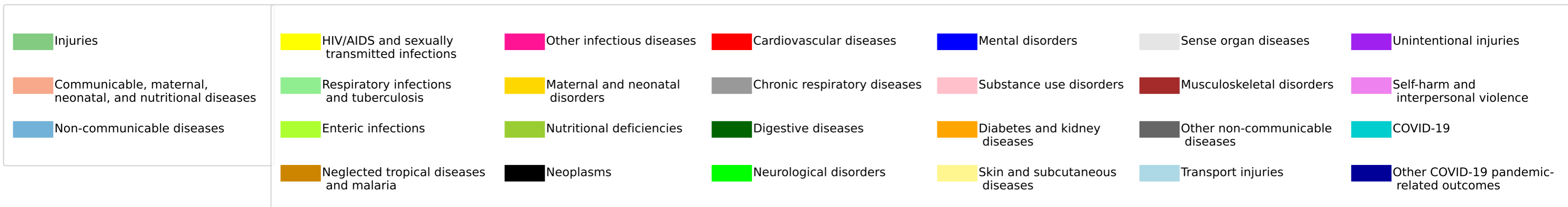
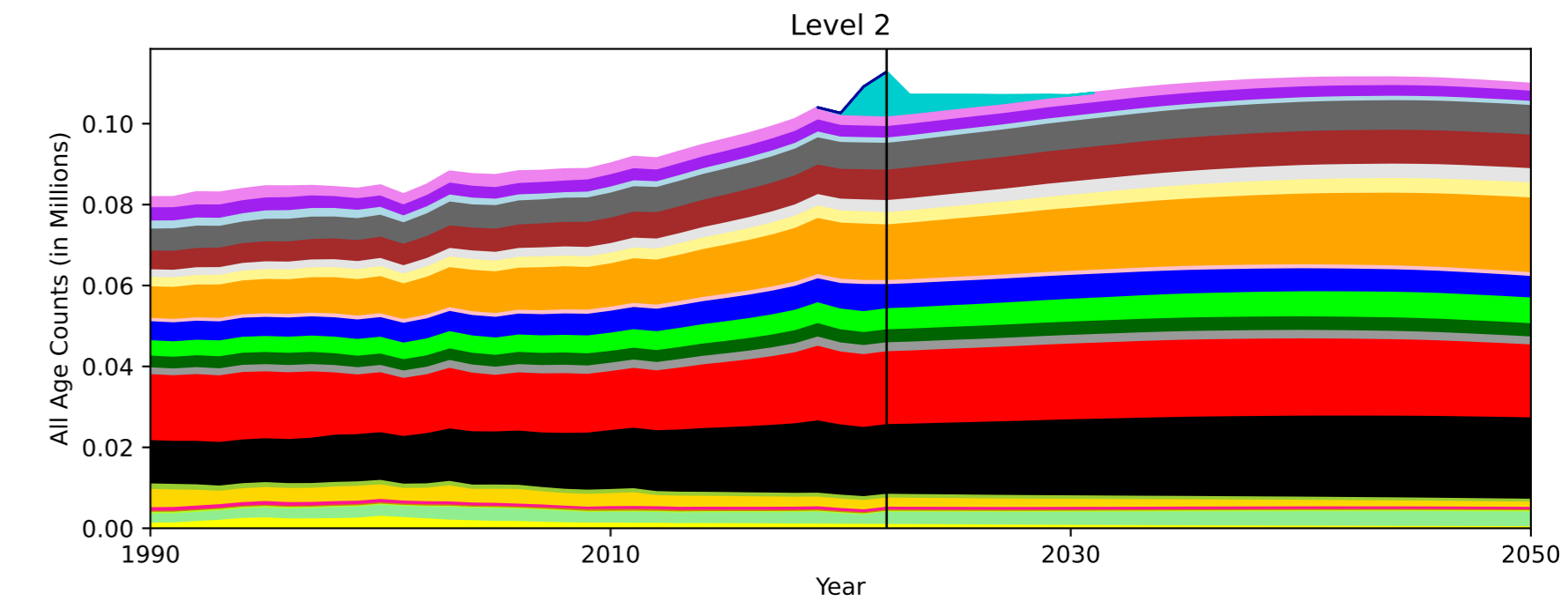
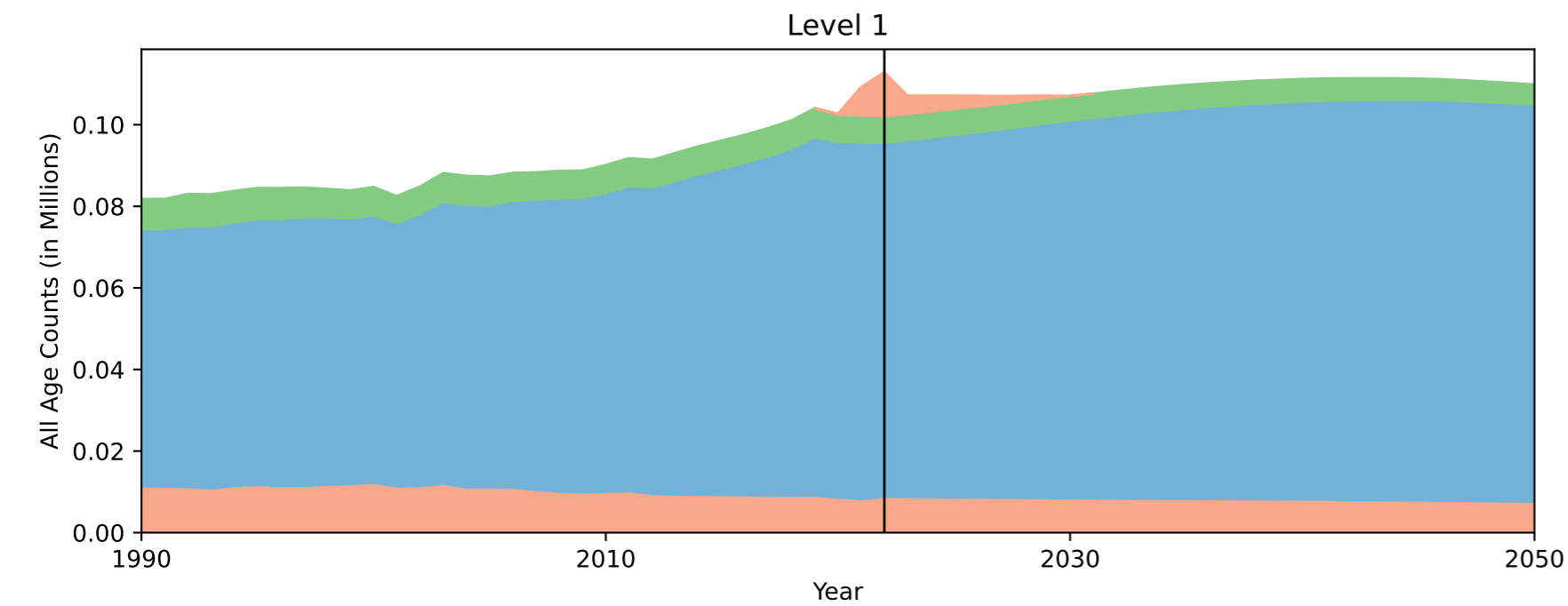
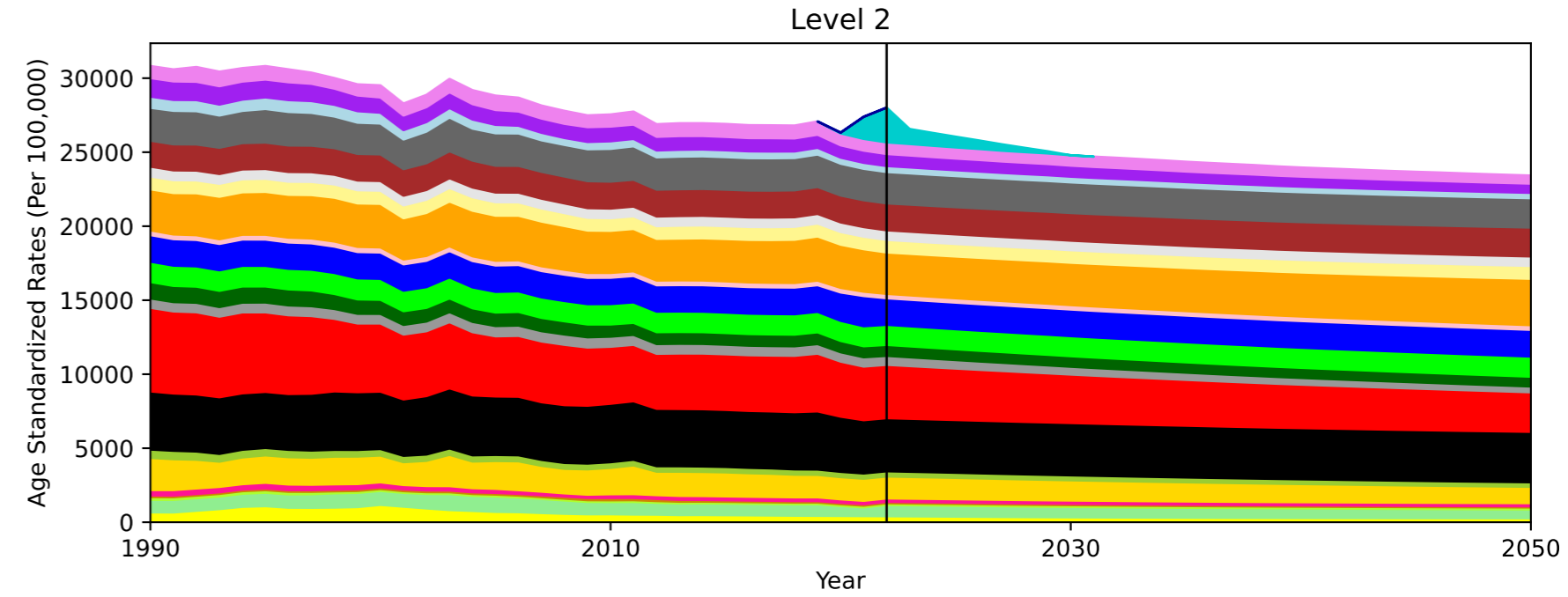
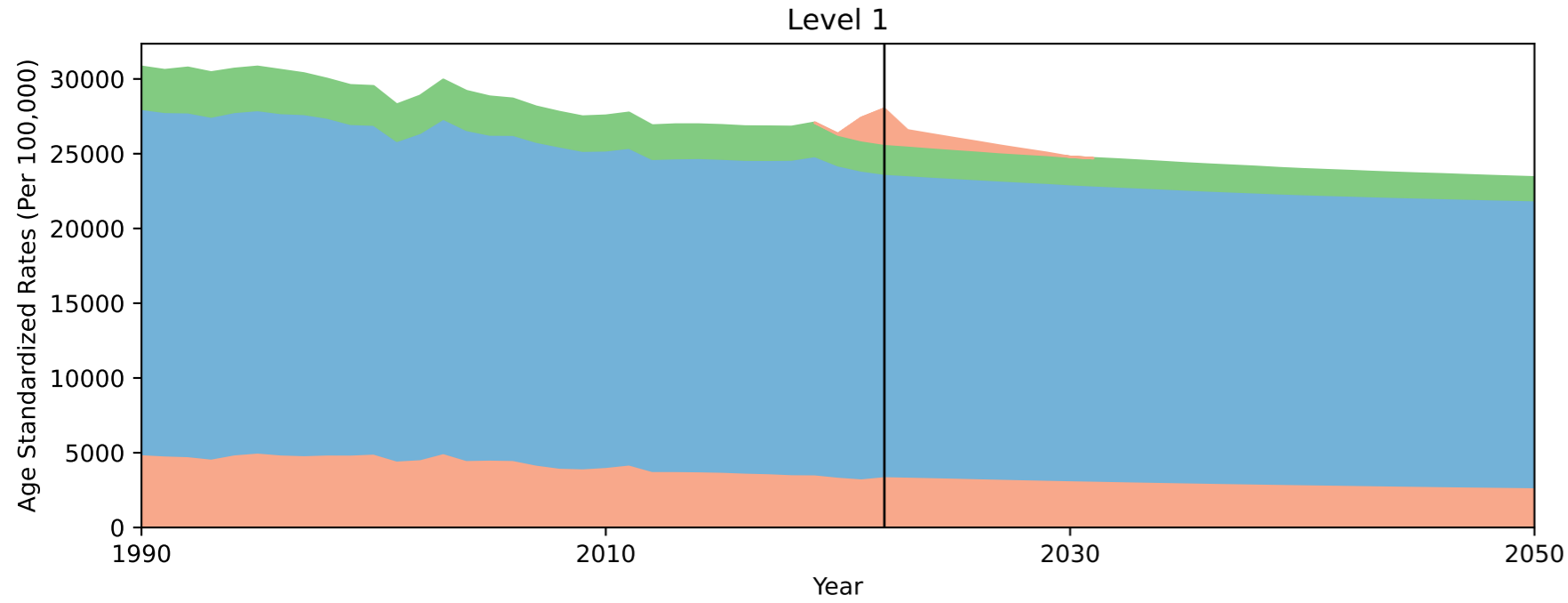
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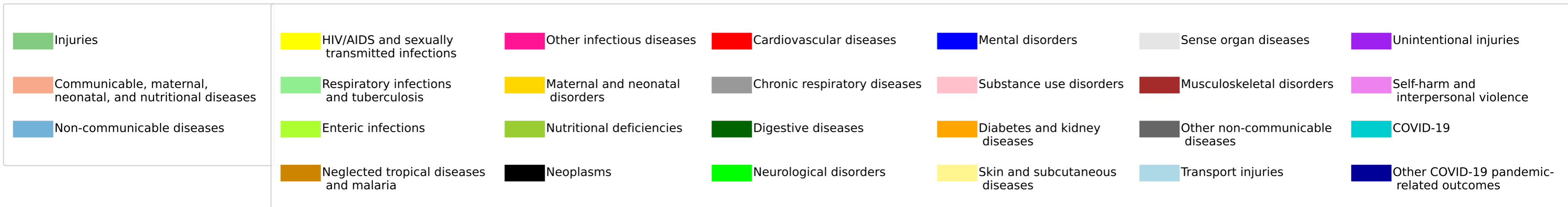
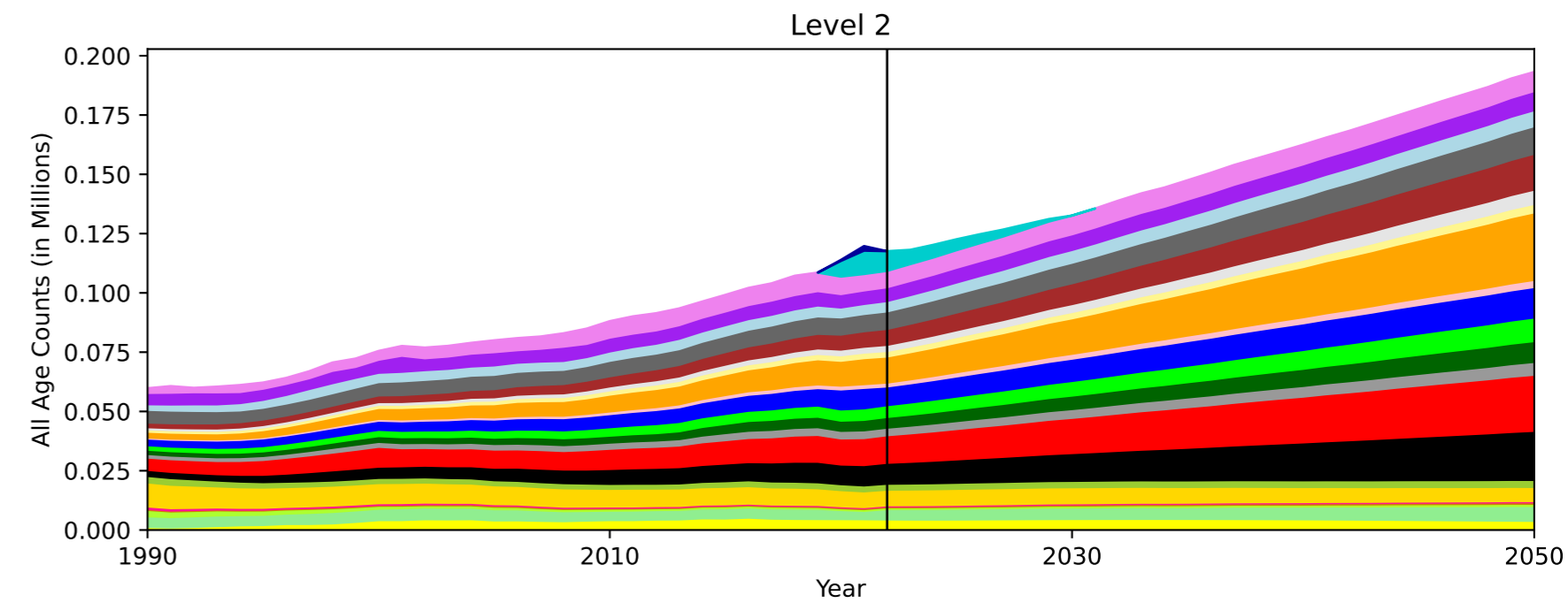
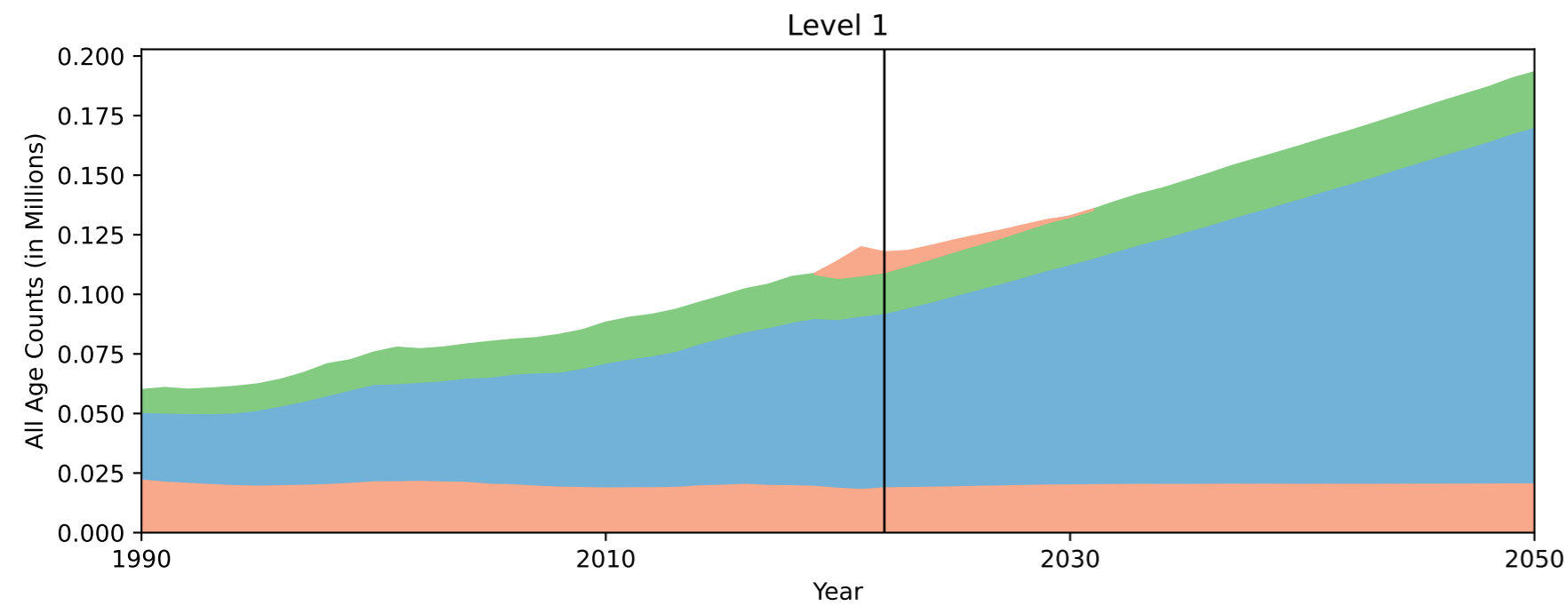
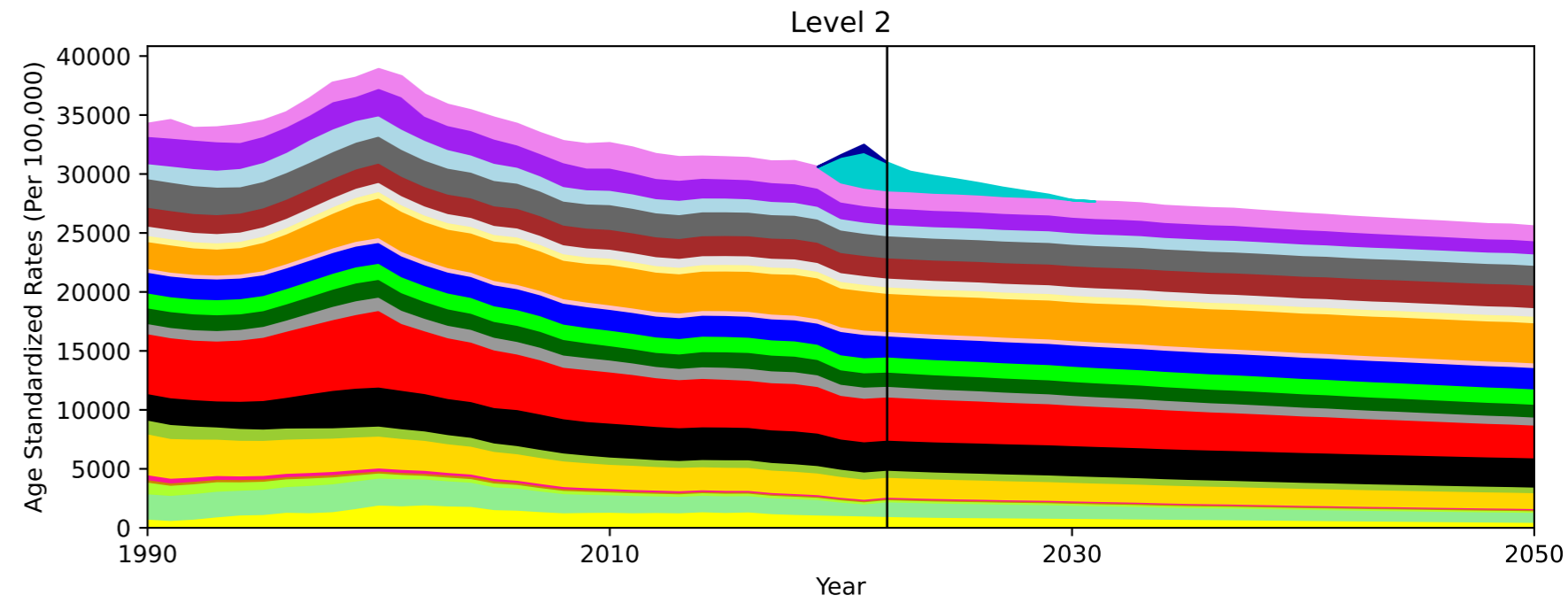
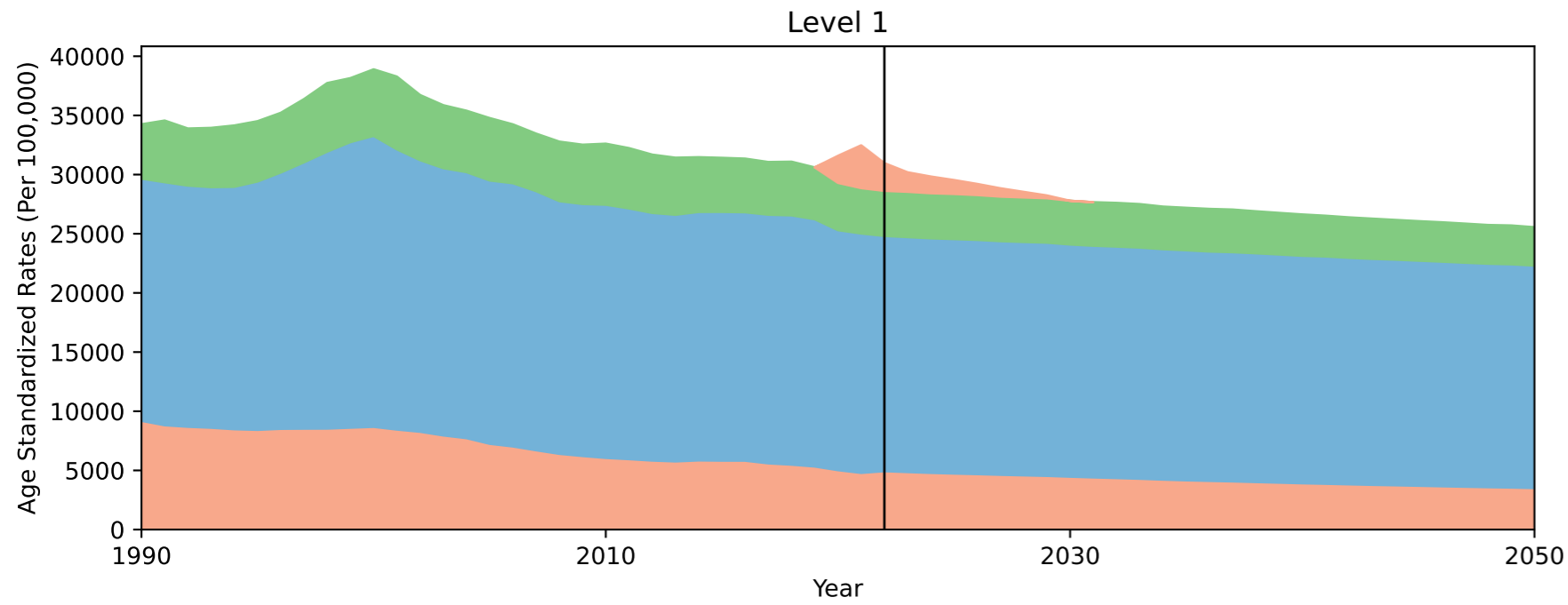


# The Bahamas



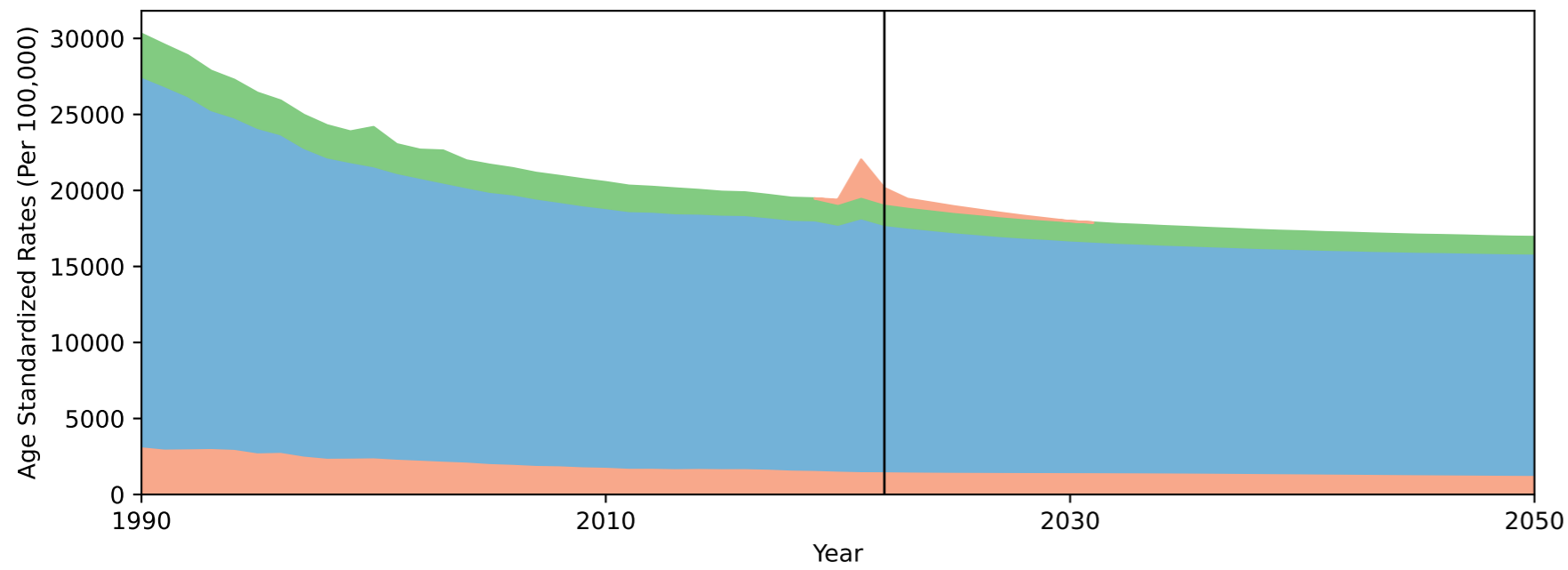
# Barbados



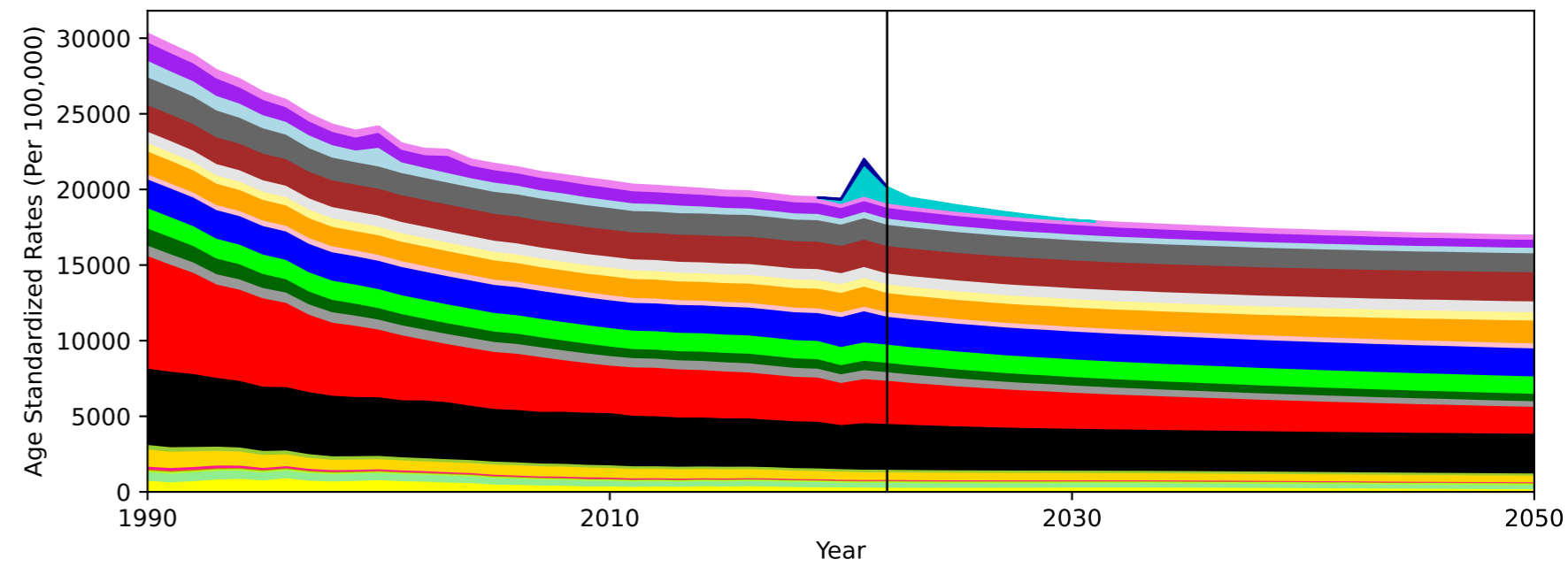


# Bermuda

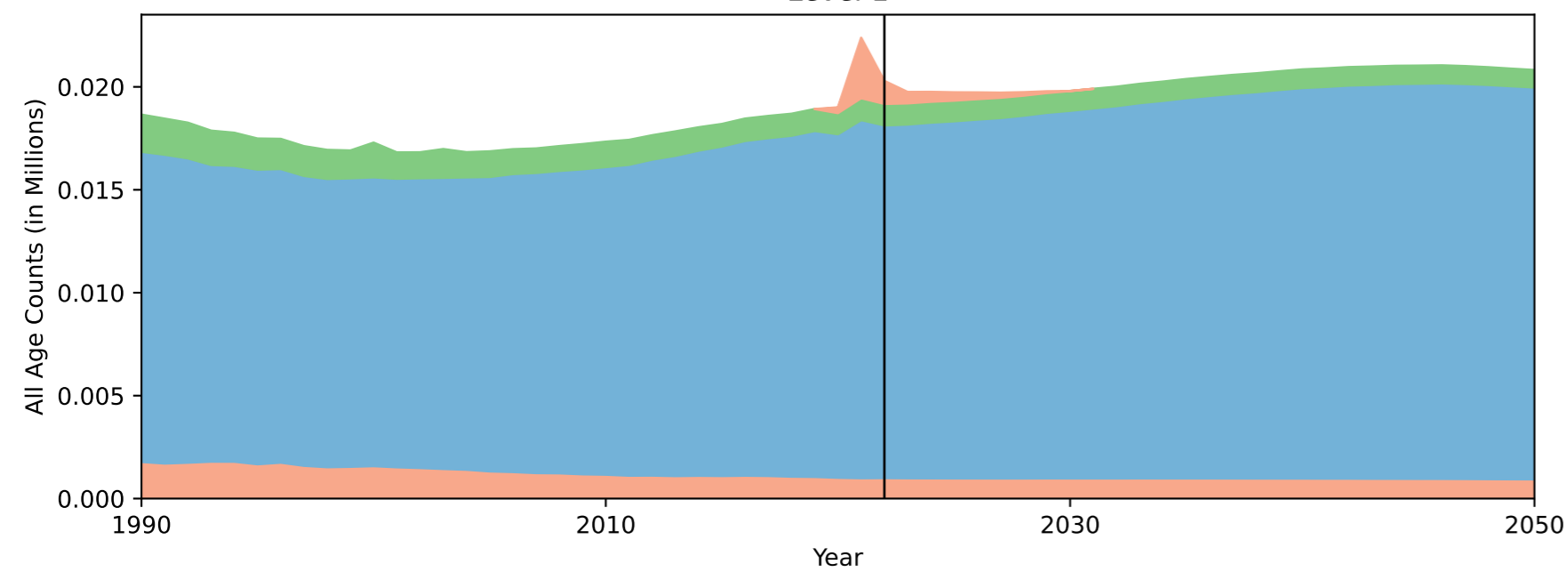
Level 1



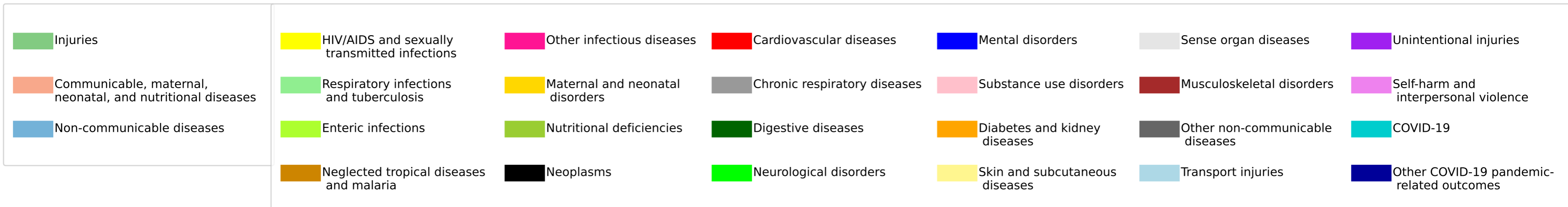
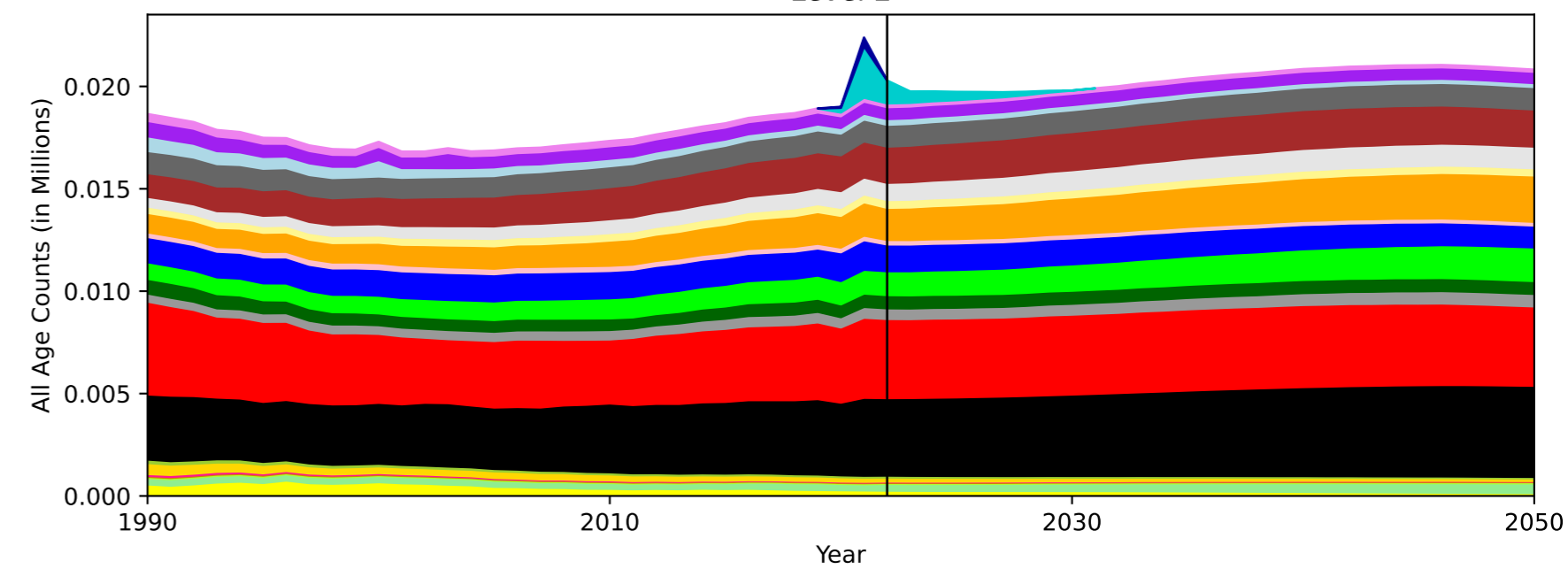
Level 2

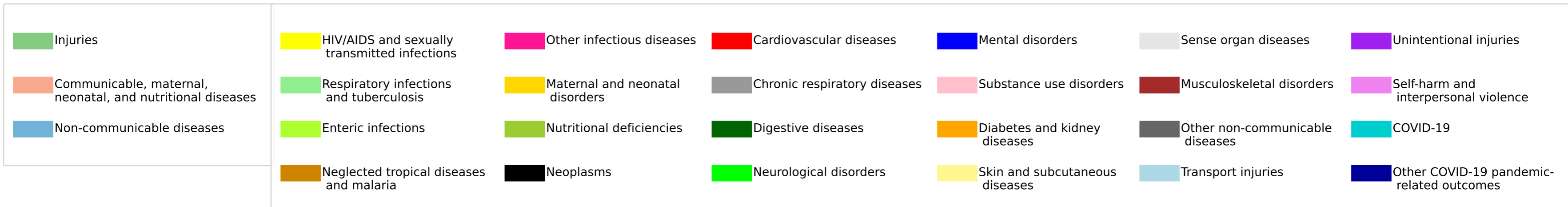
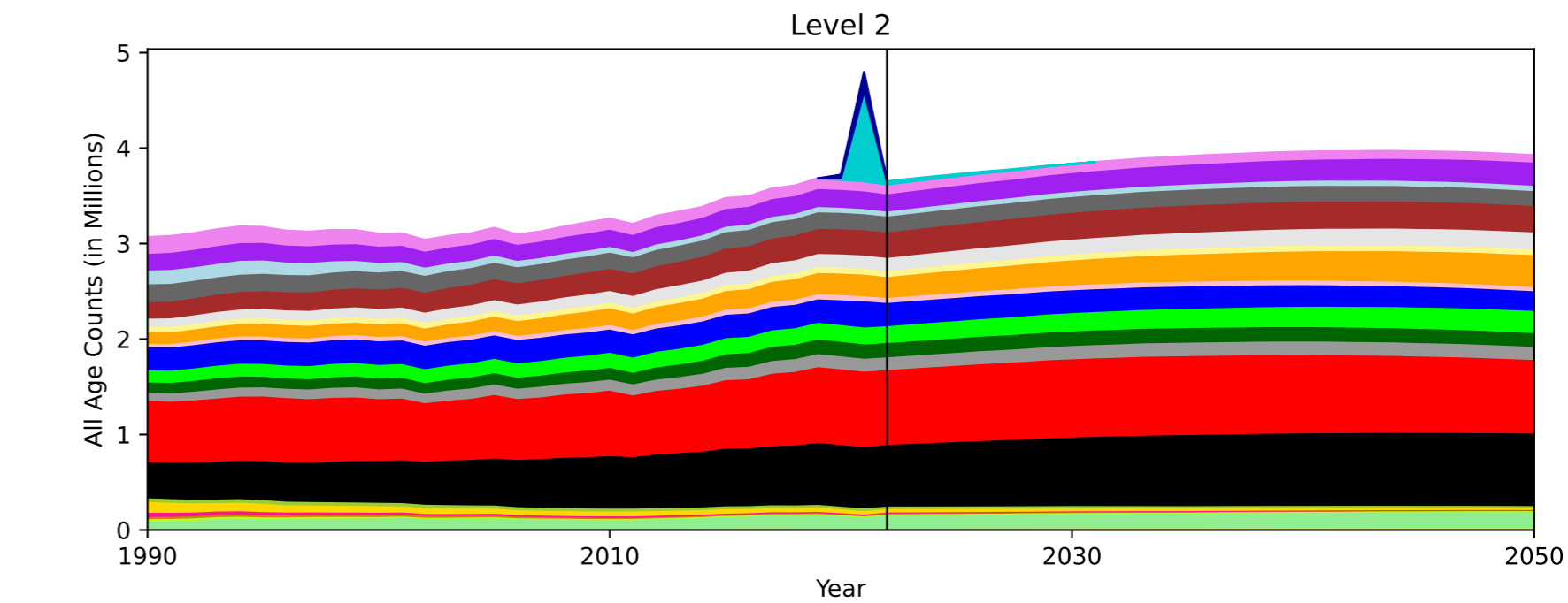
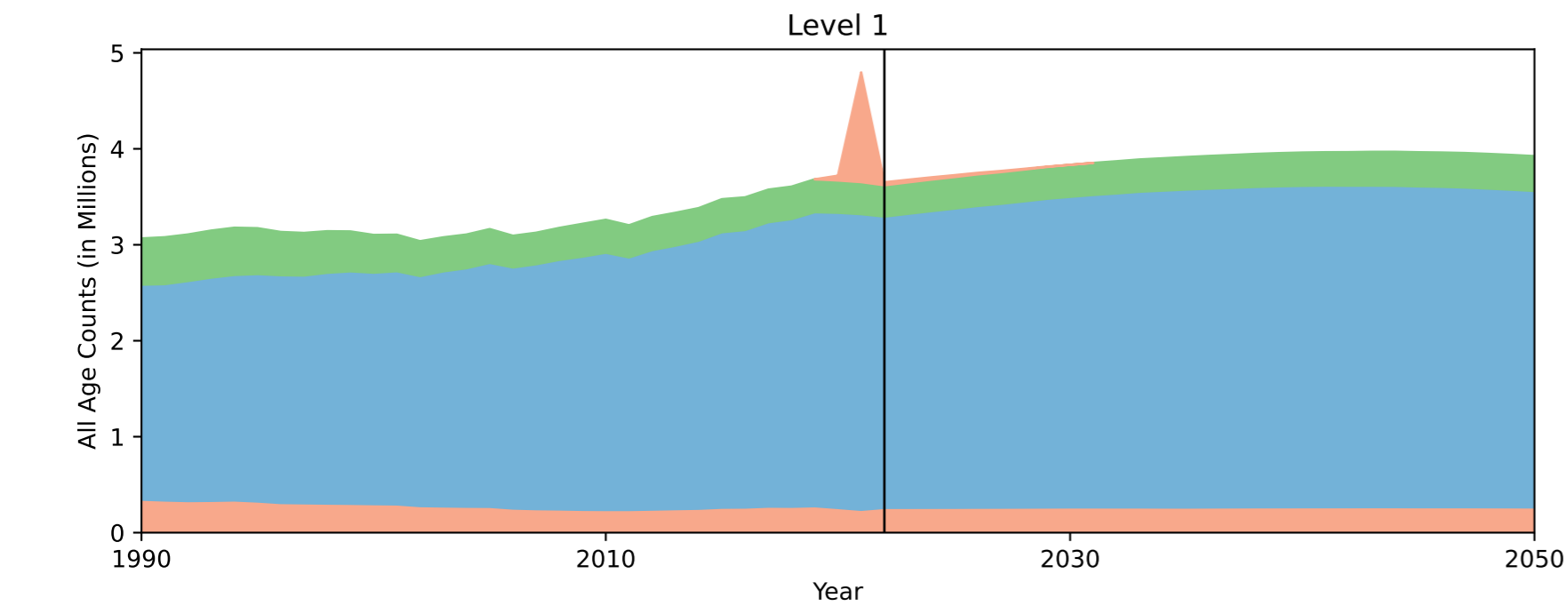
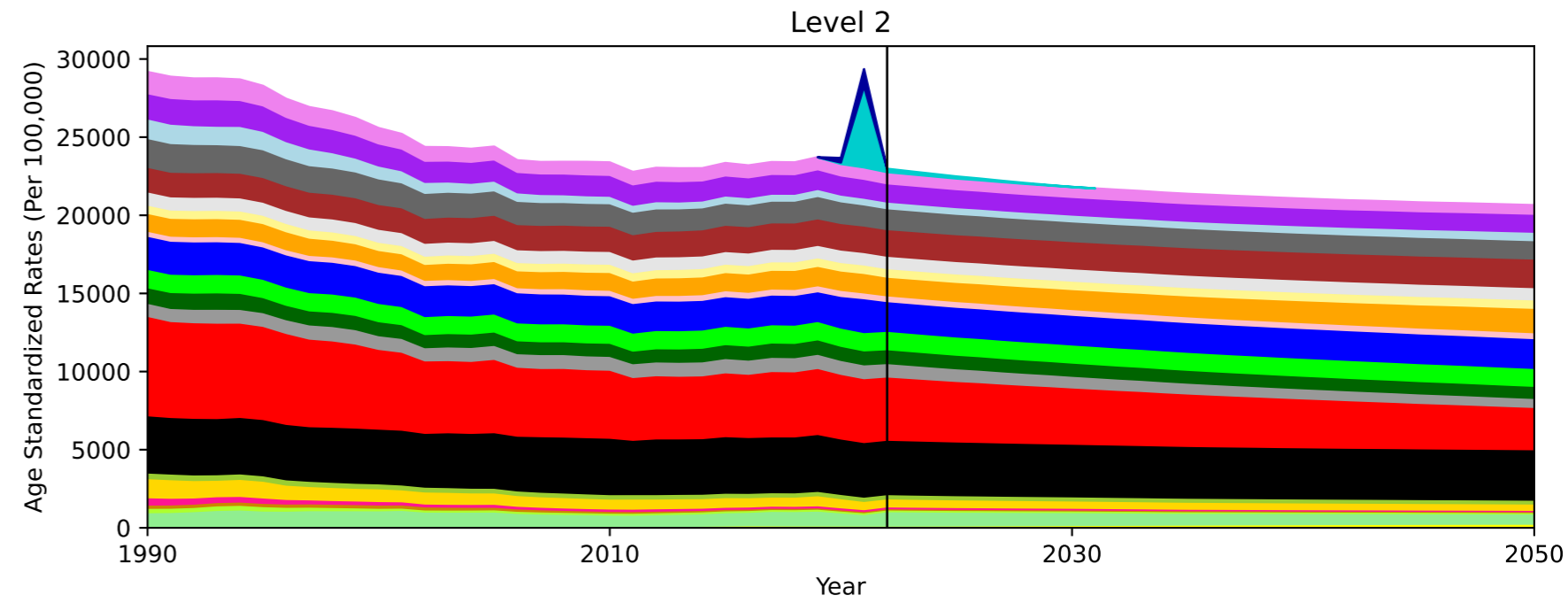
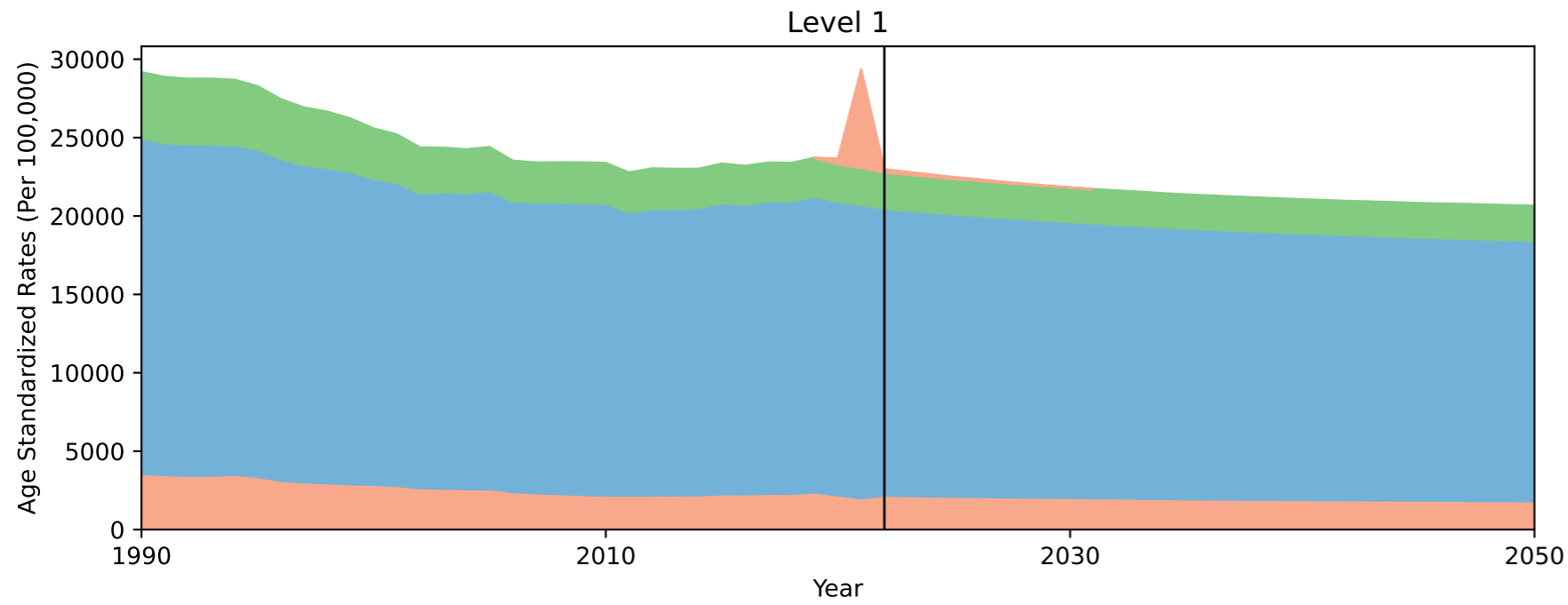


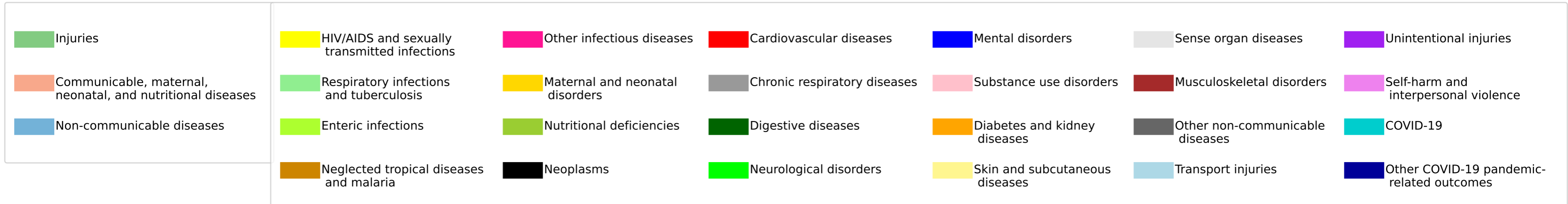
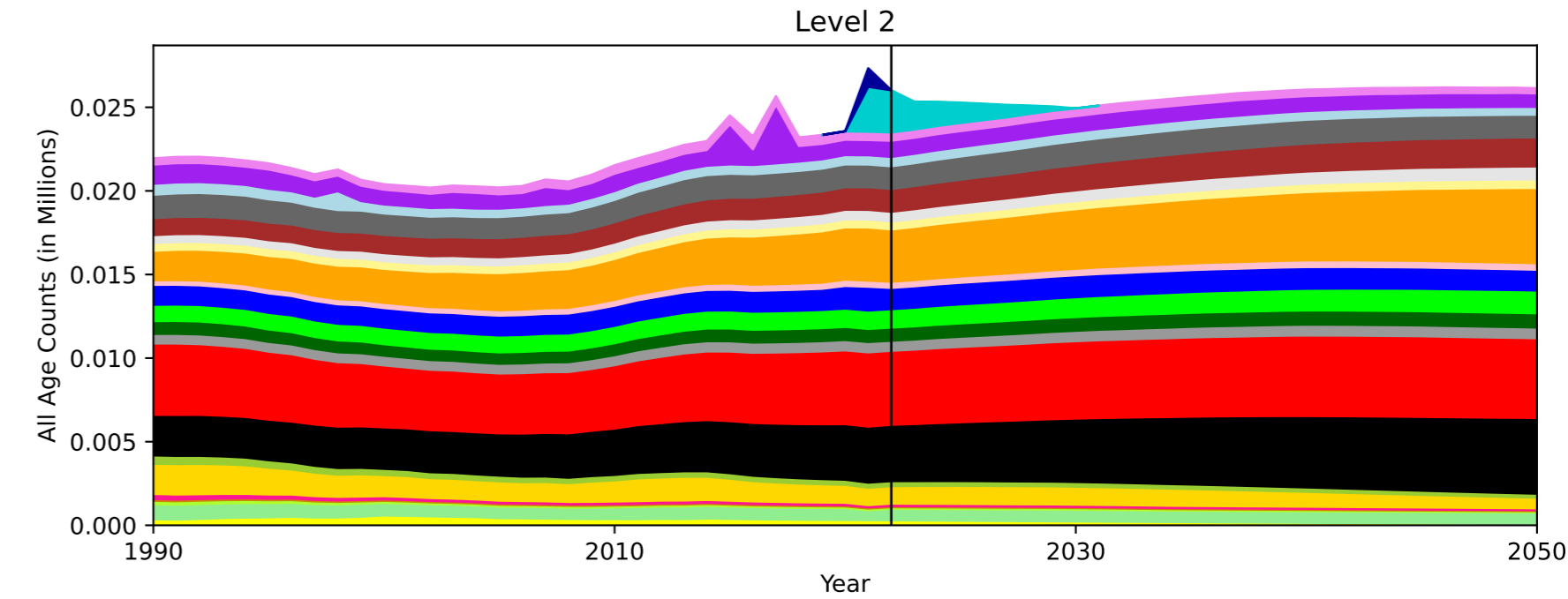
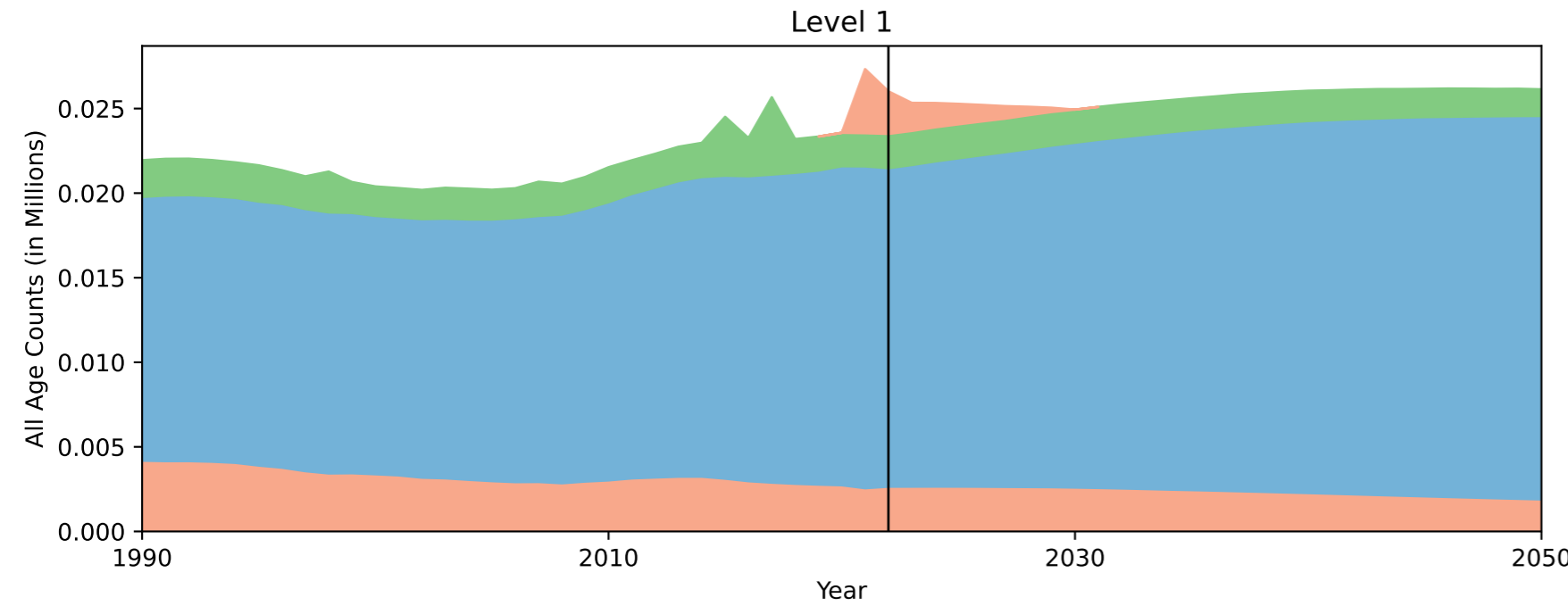
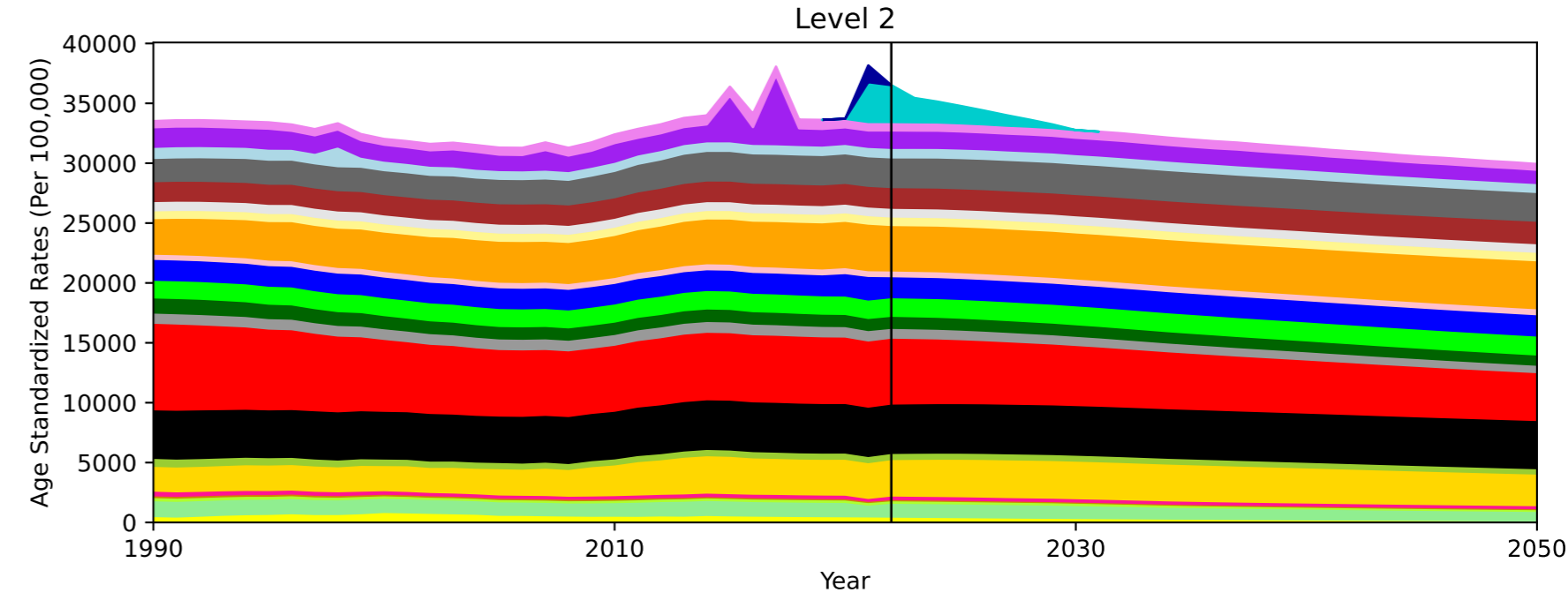
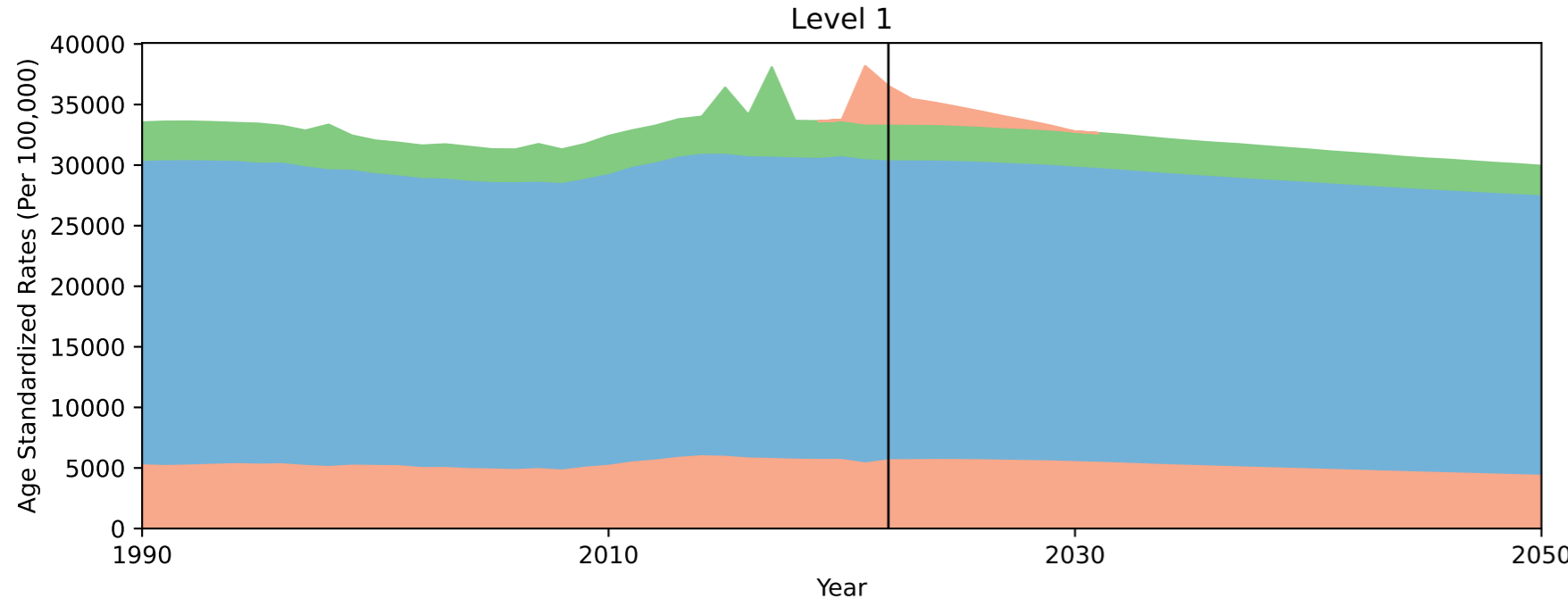
Level 1



Level 2



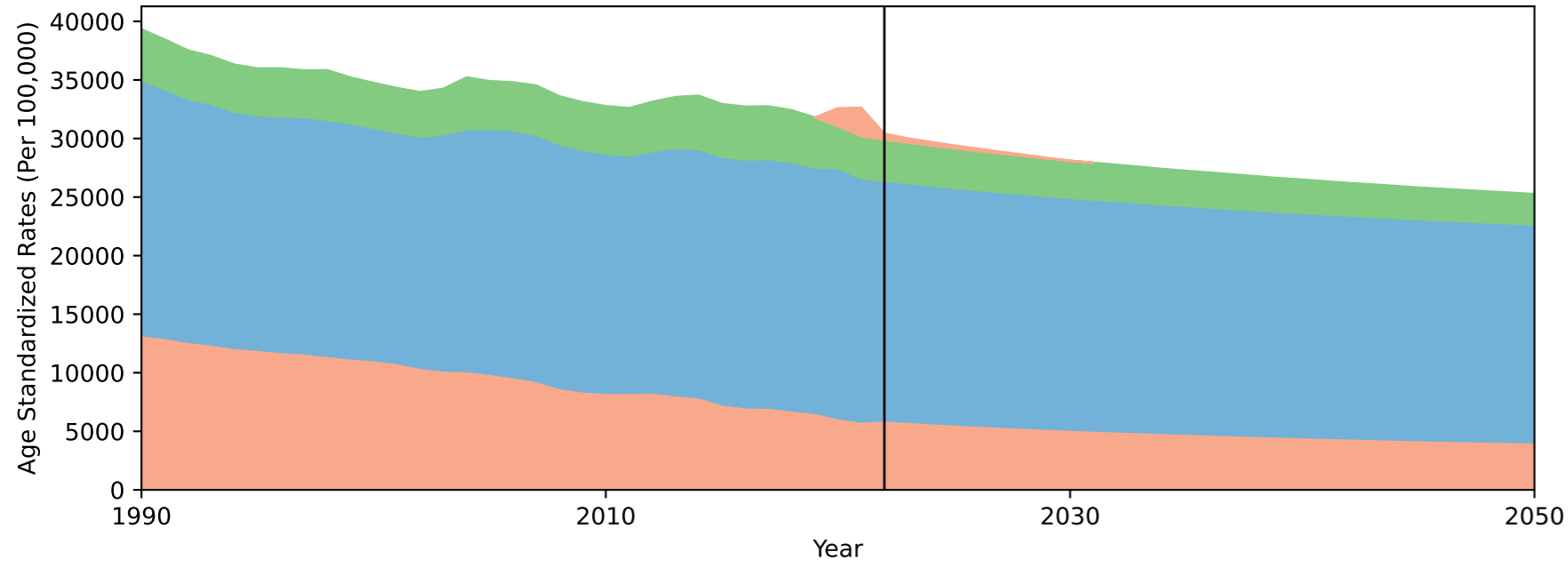




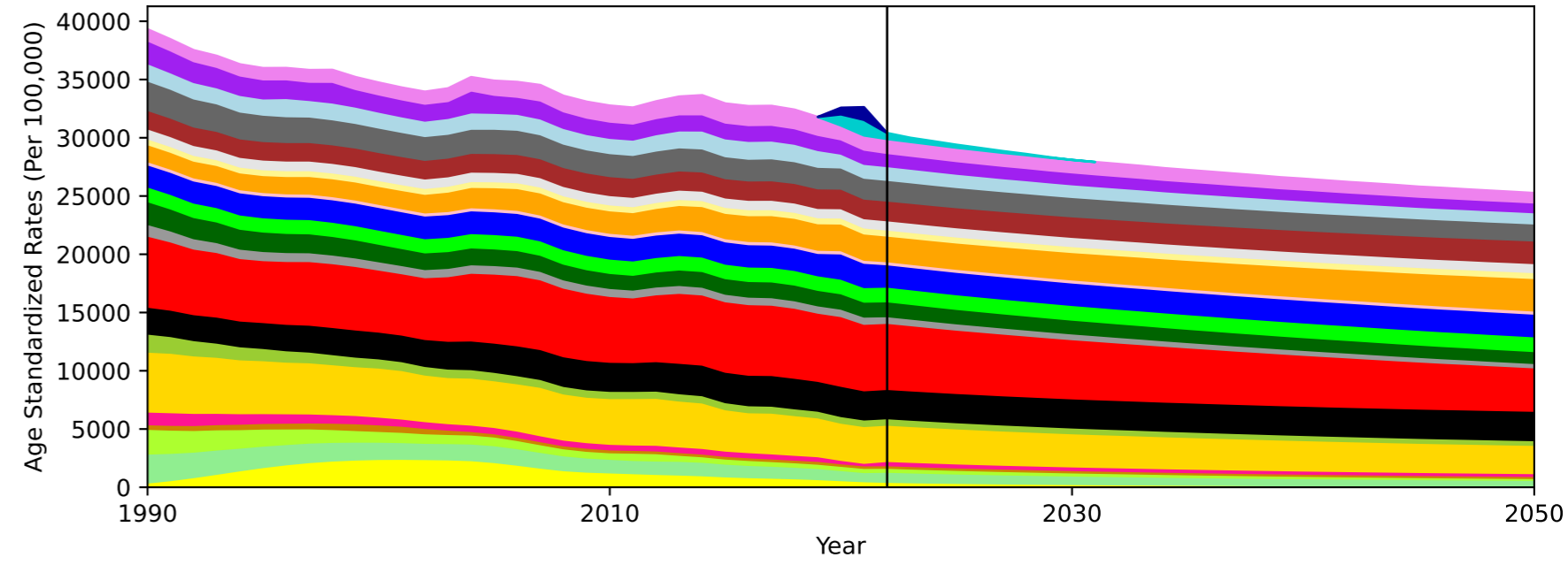


# Dominican Republic

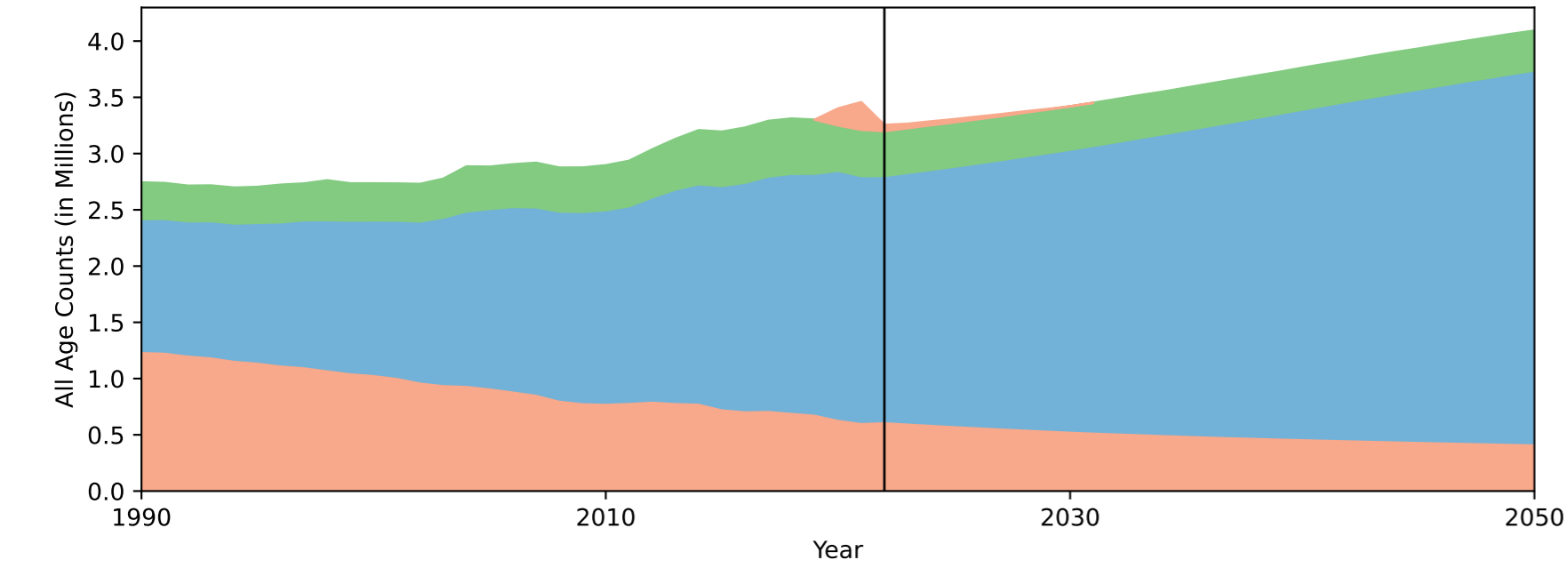
Level 1



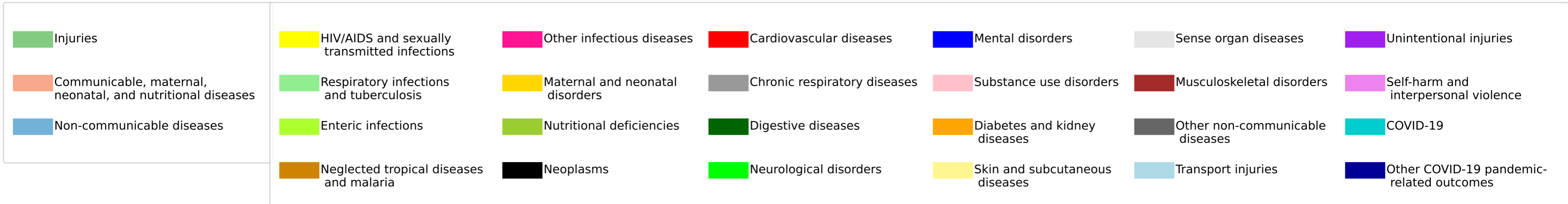
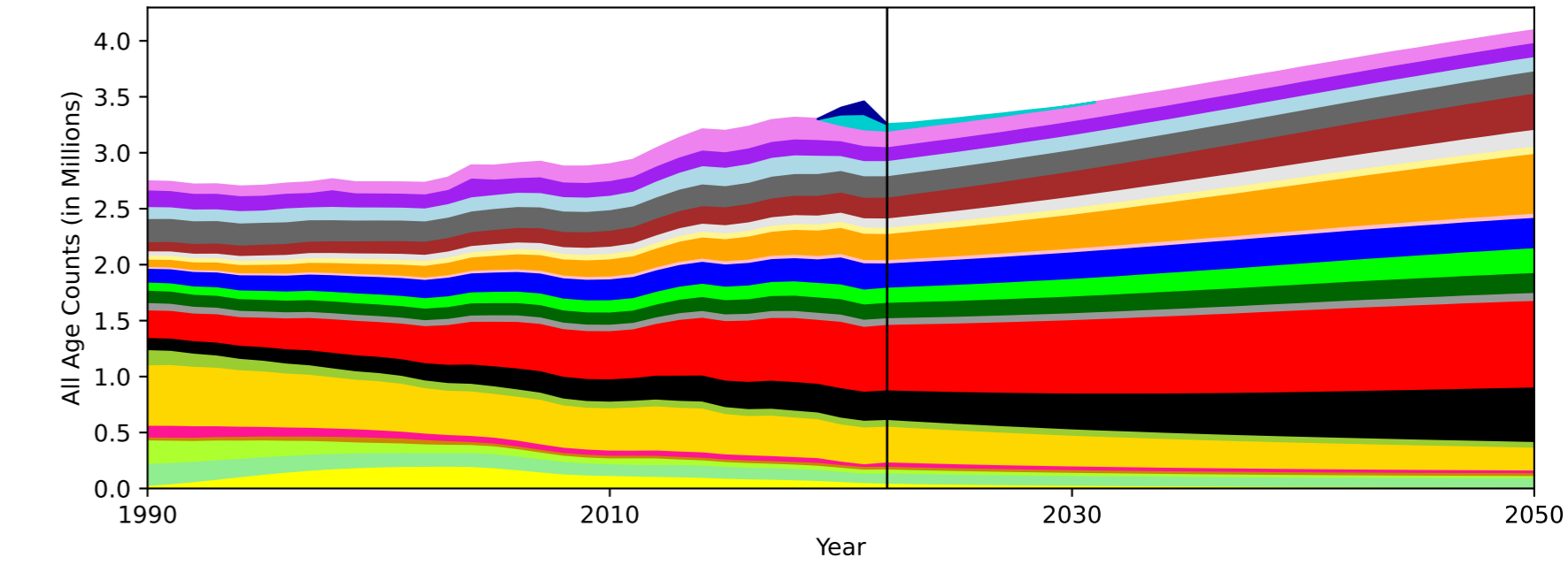
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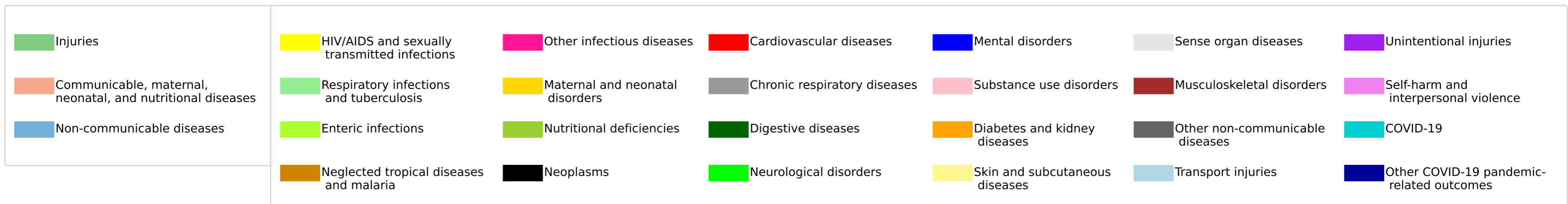
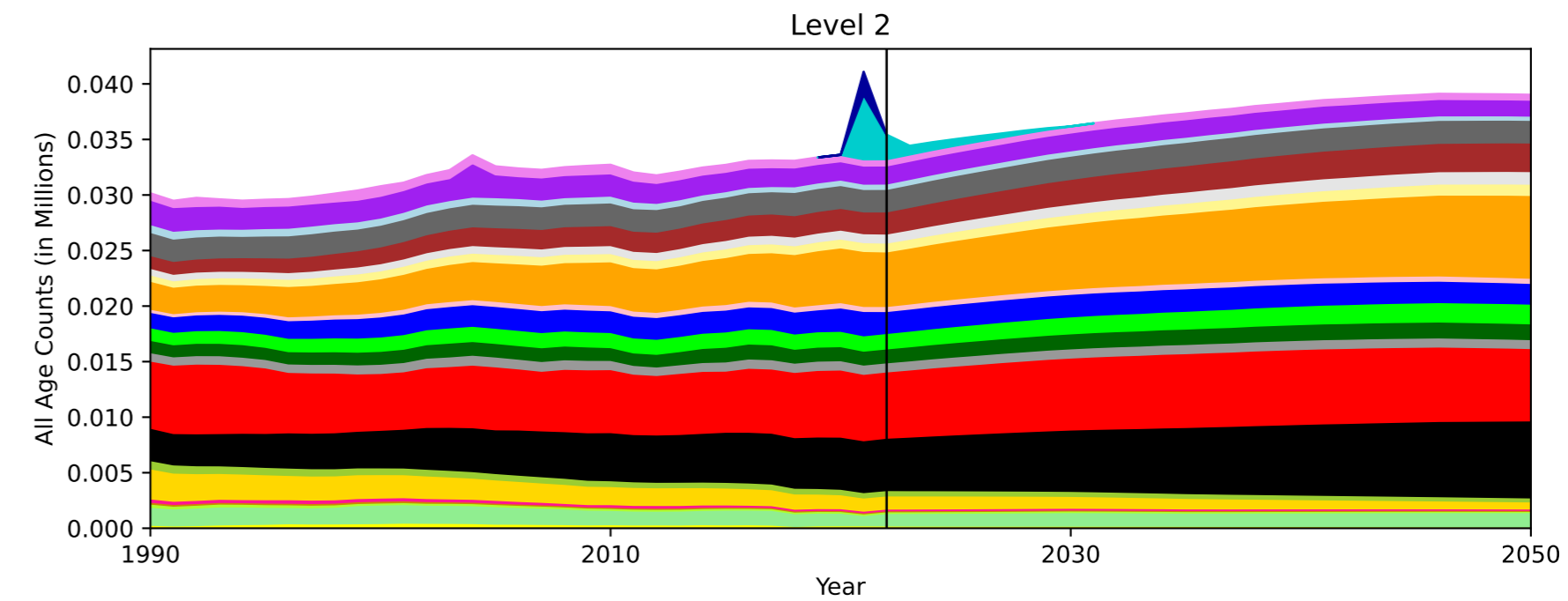
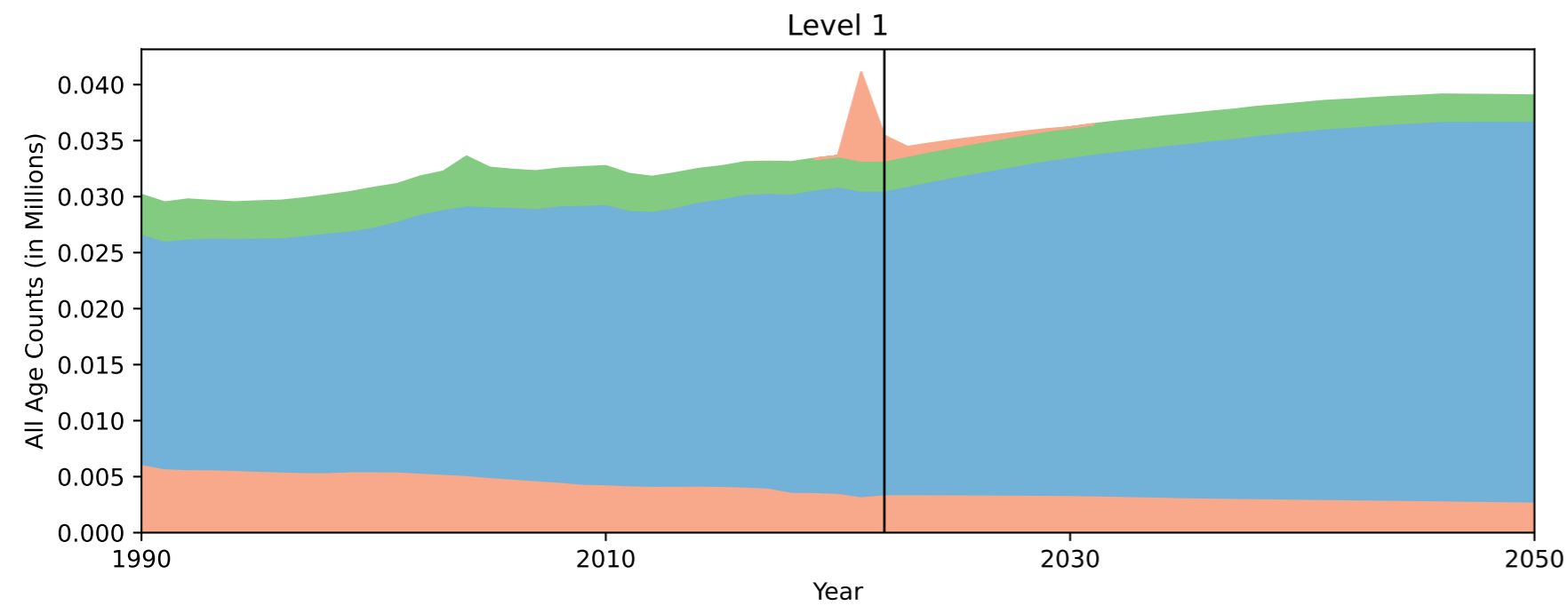
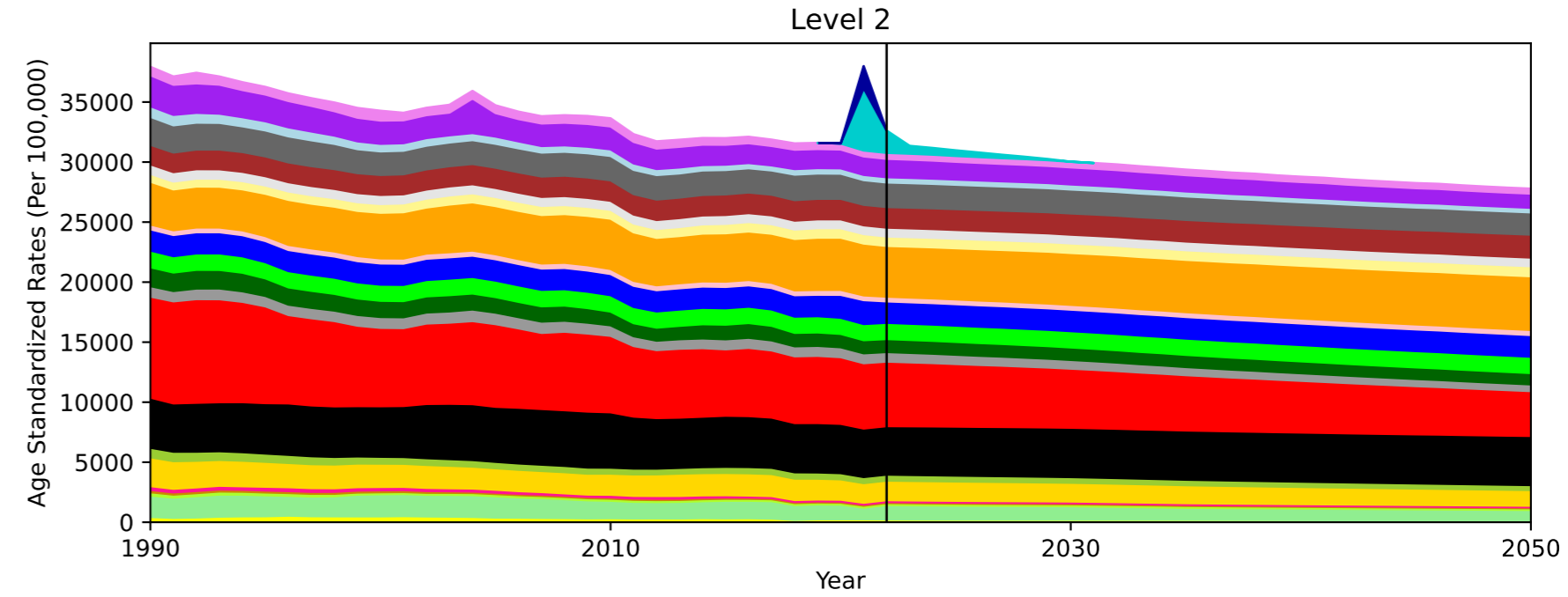
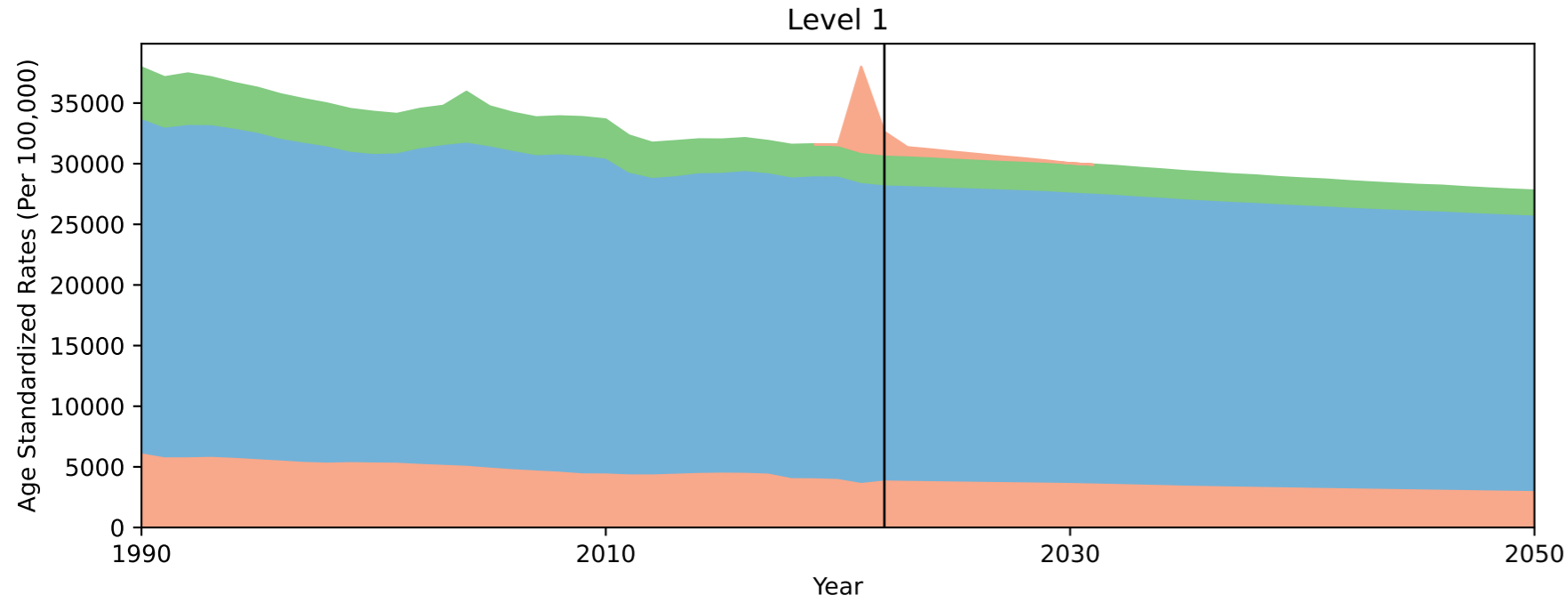
Level 1



Level 2

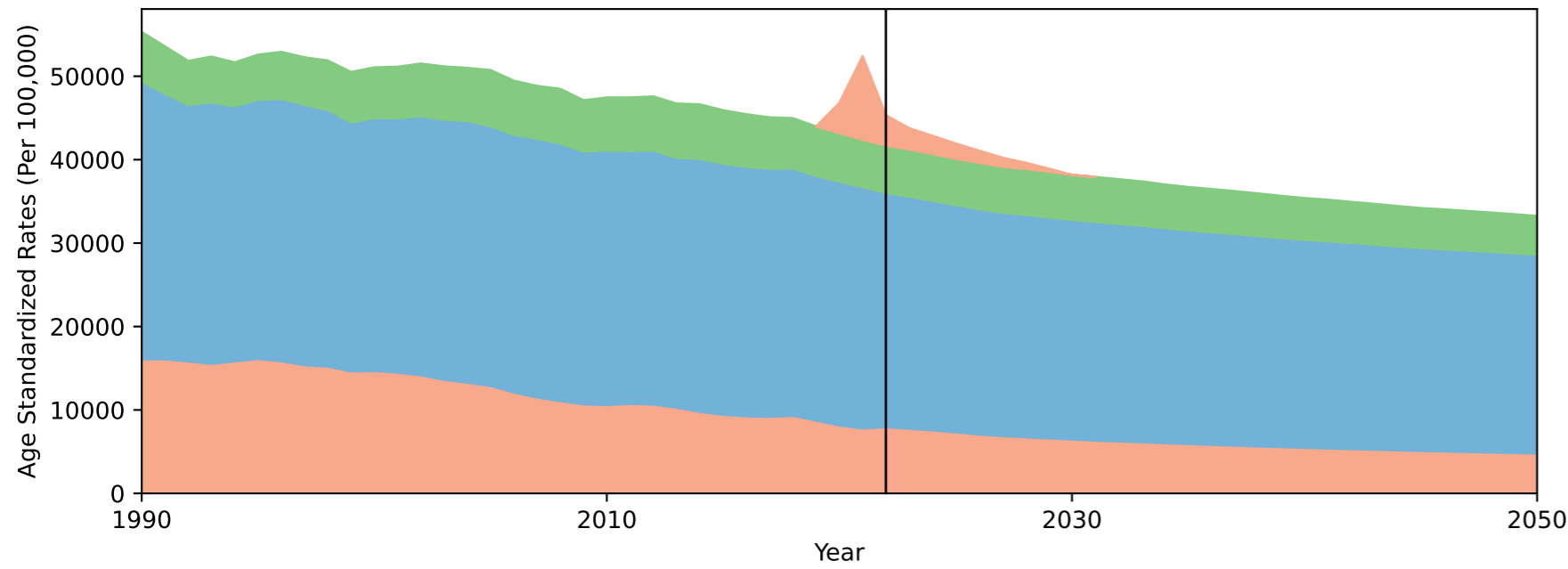


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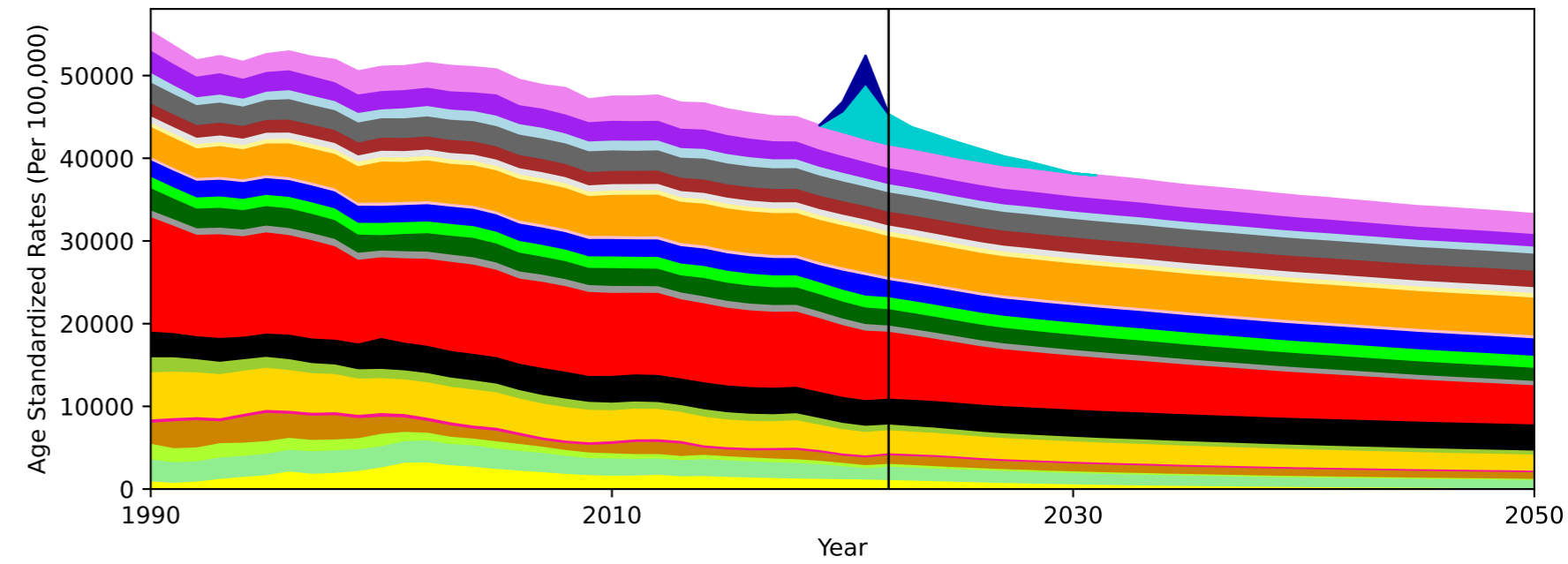


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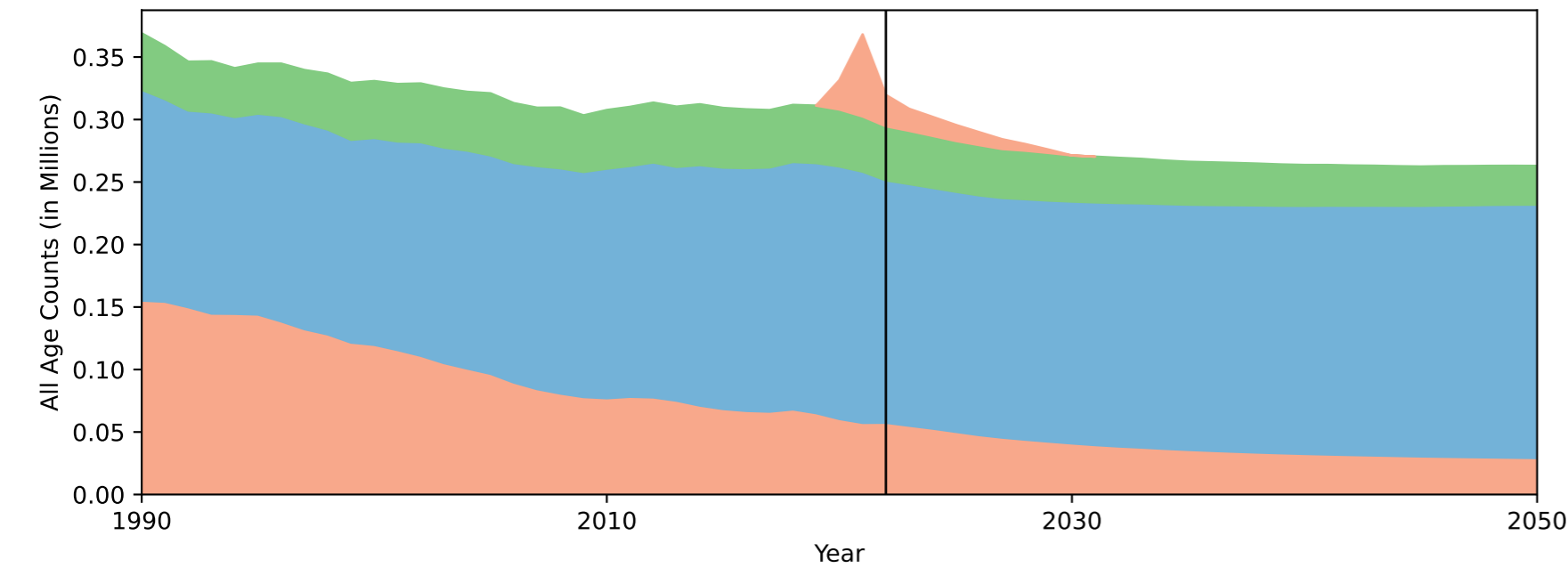
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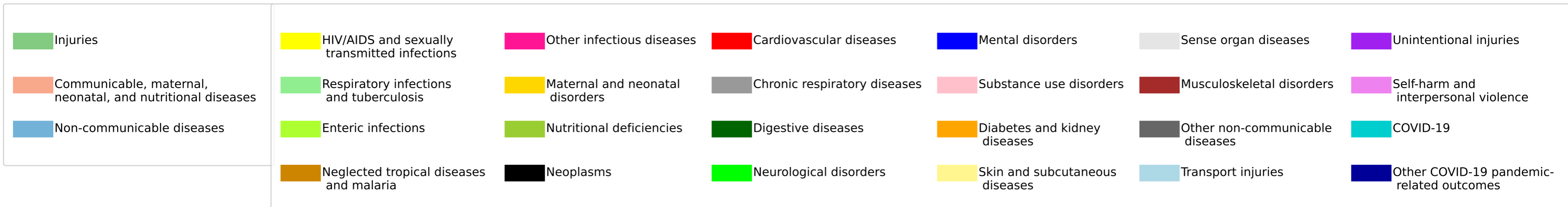
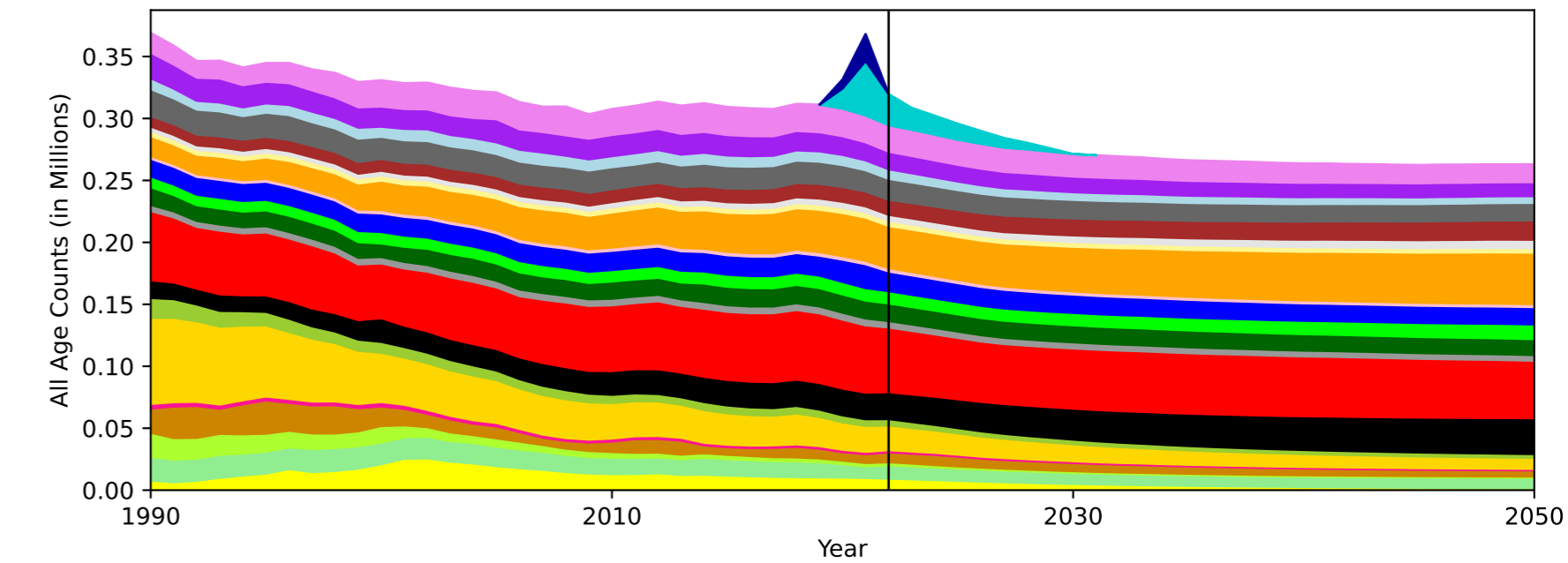
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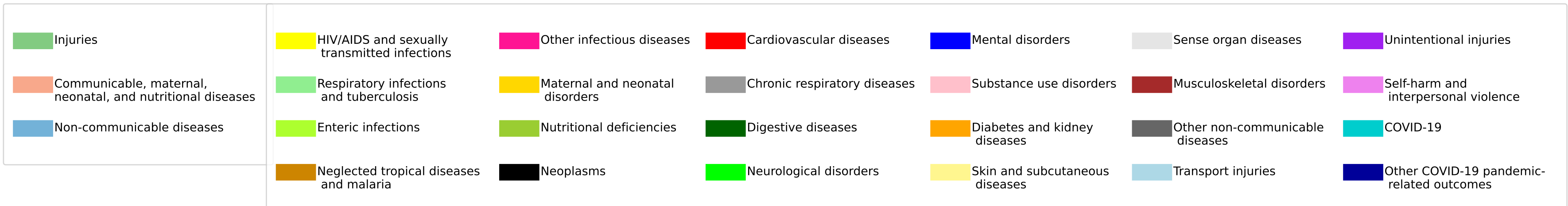
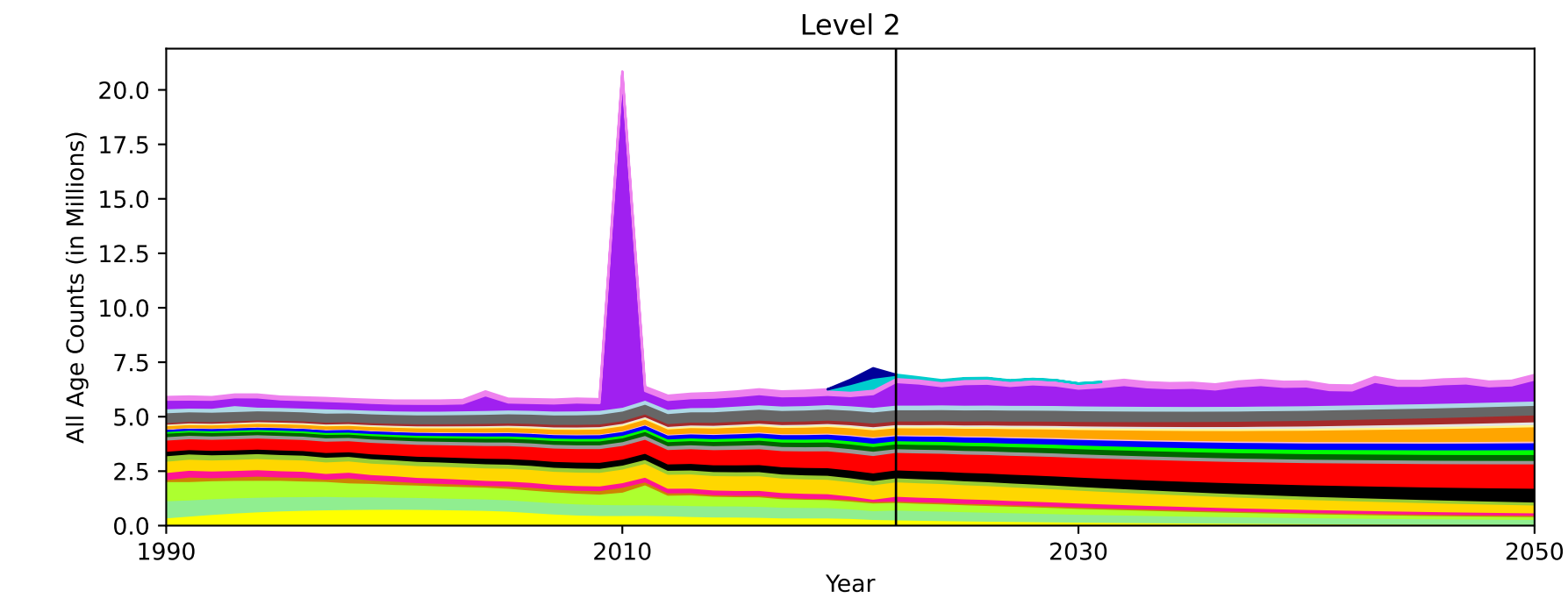
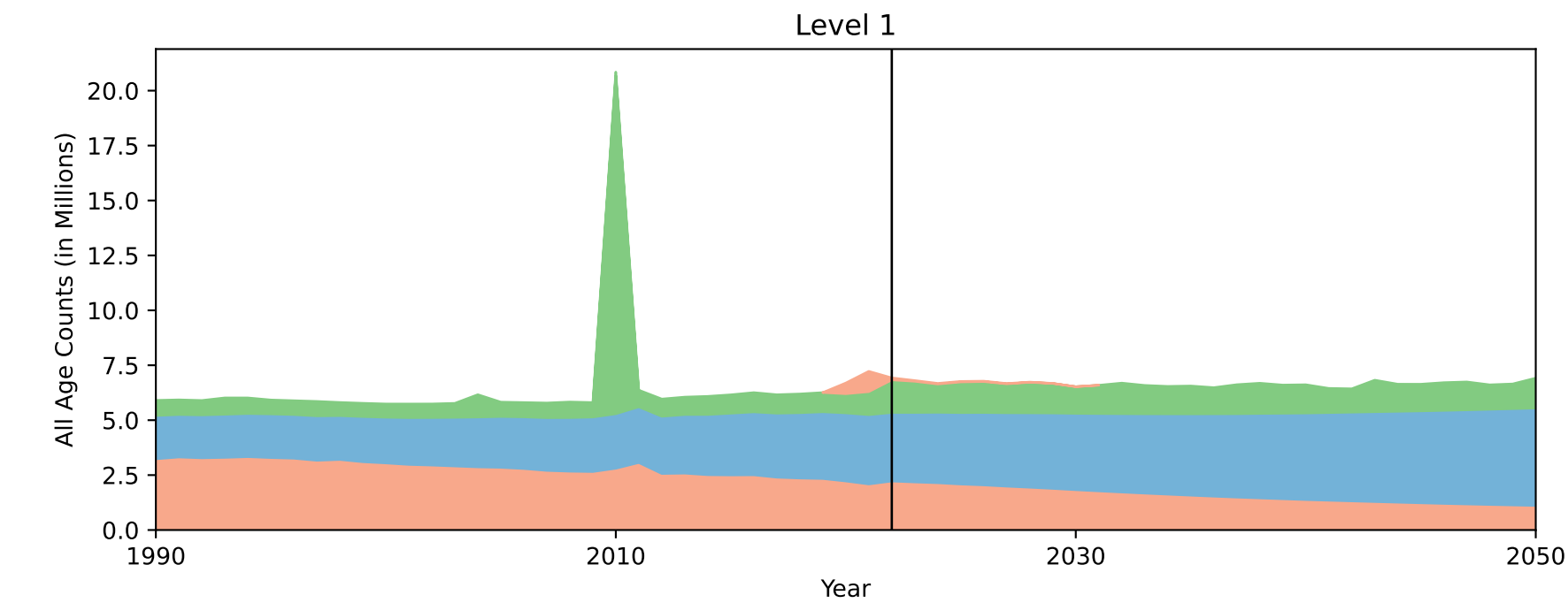
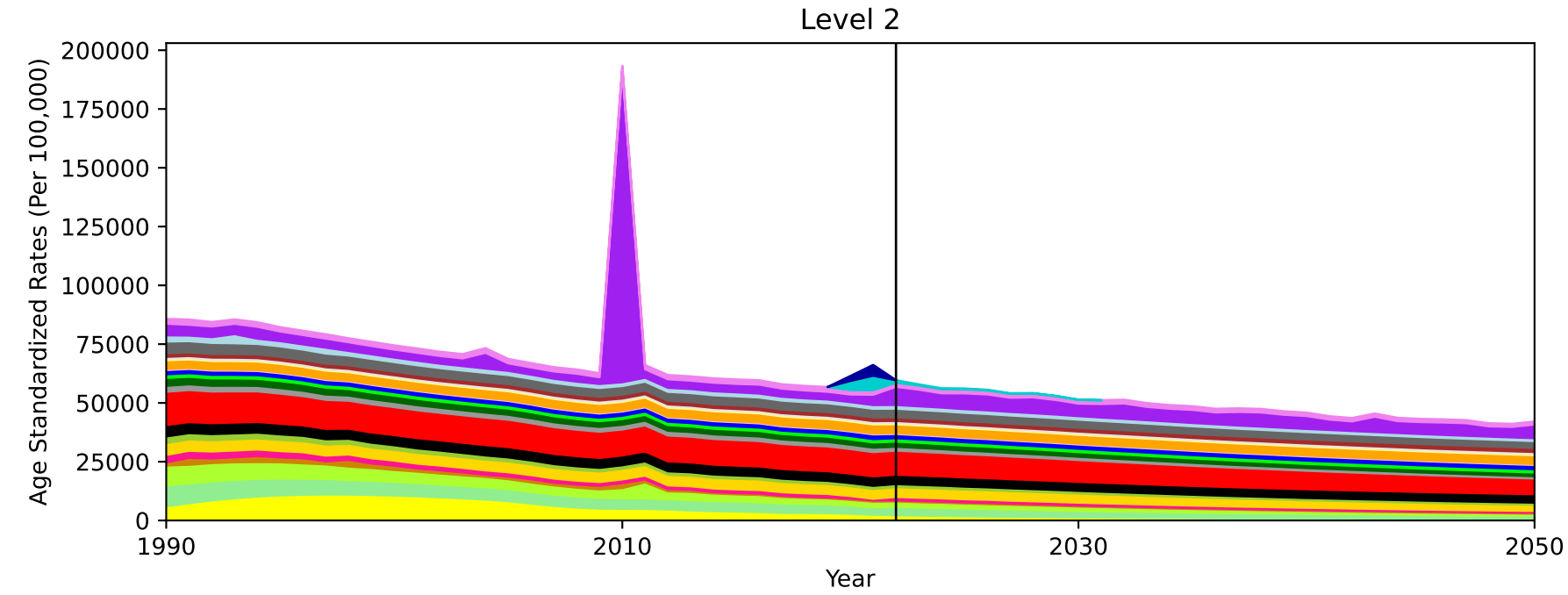
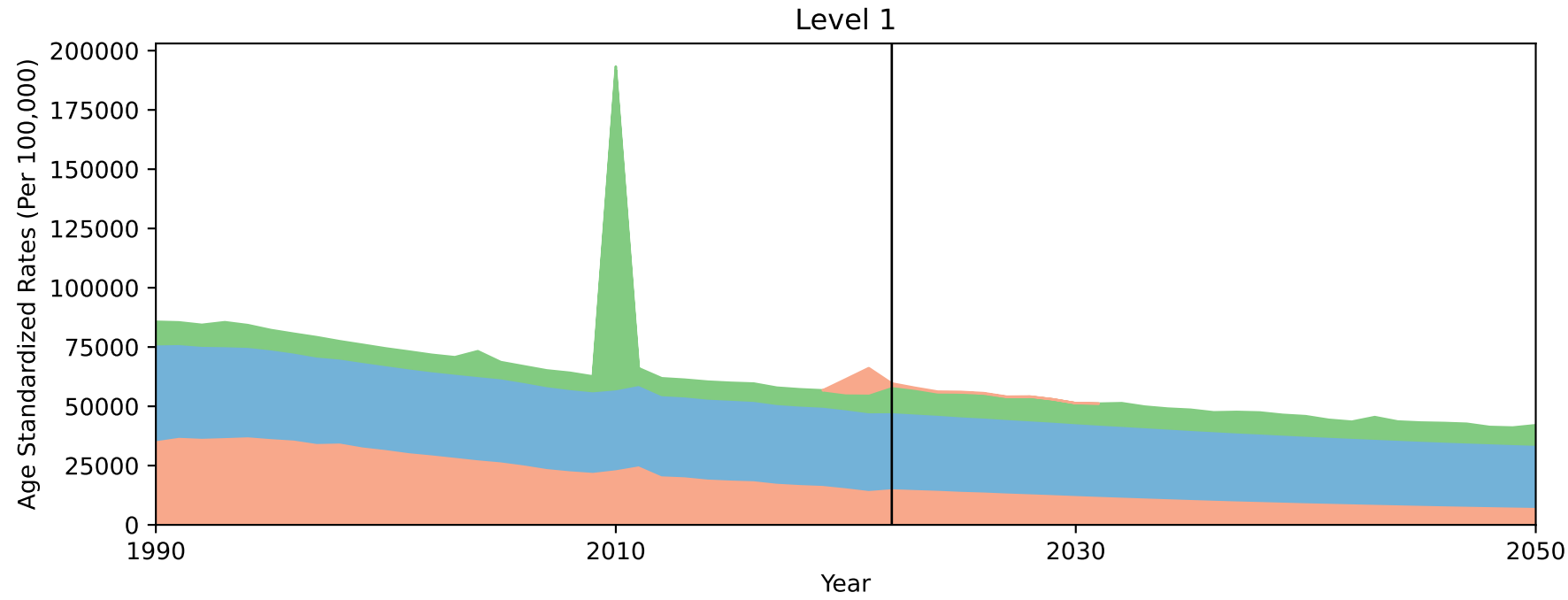
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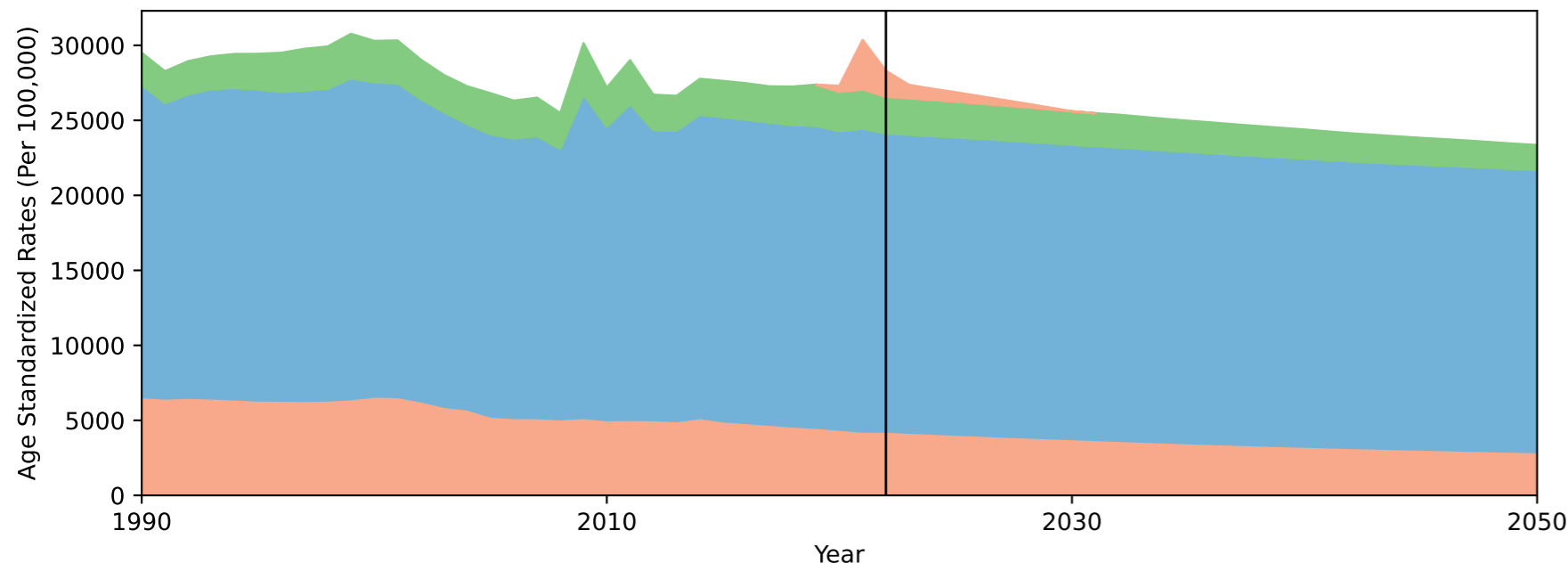
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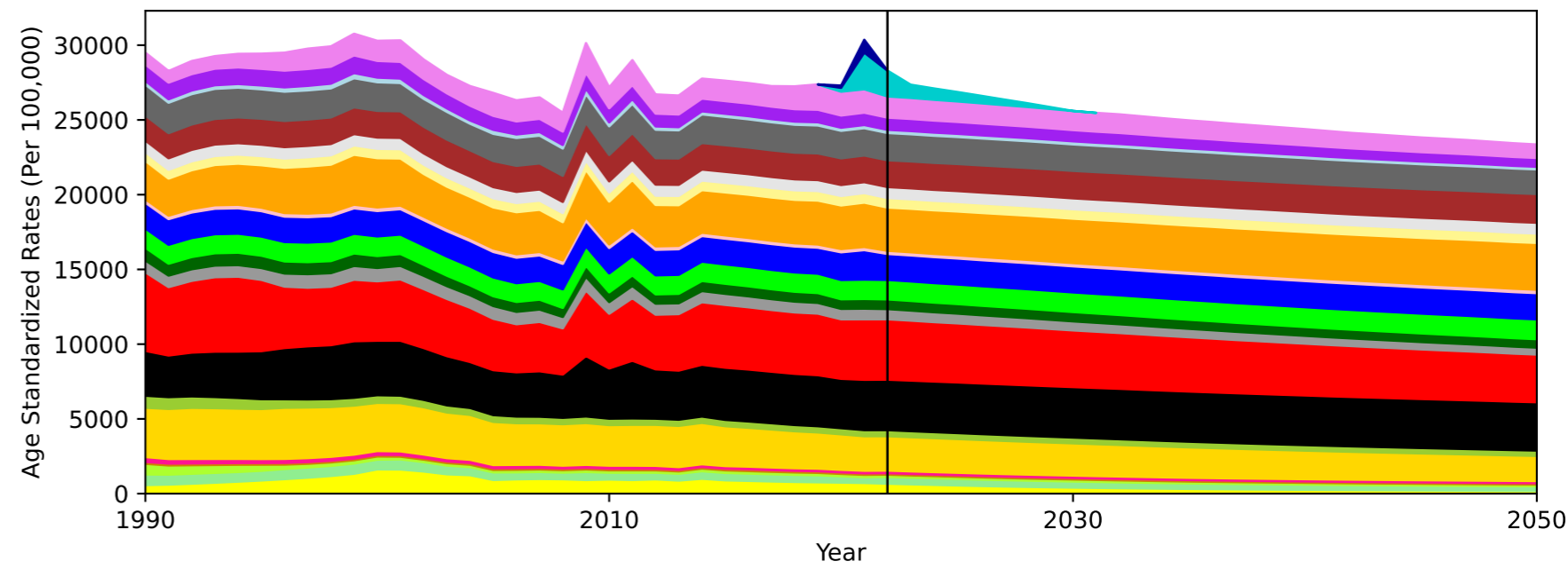
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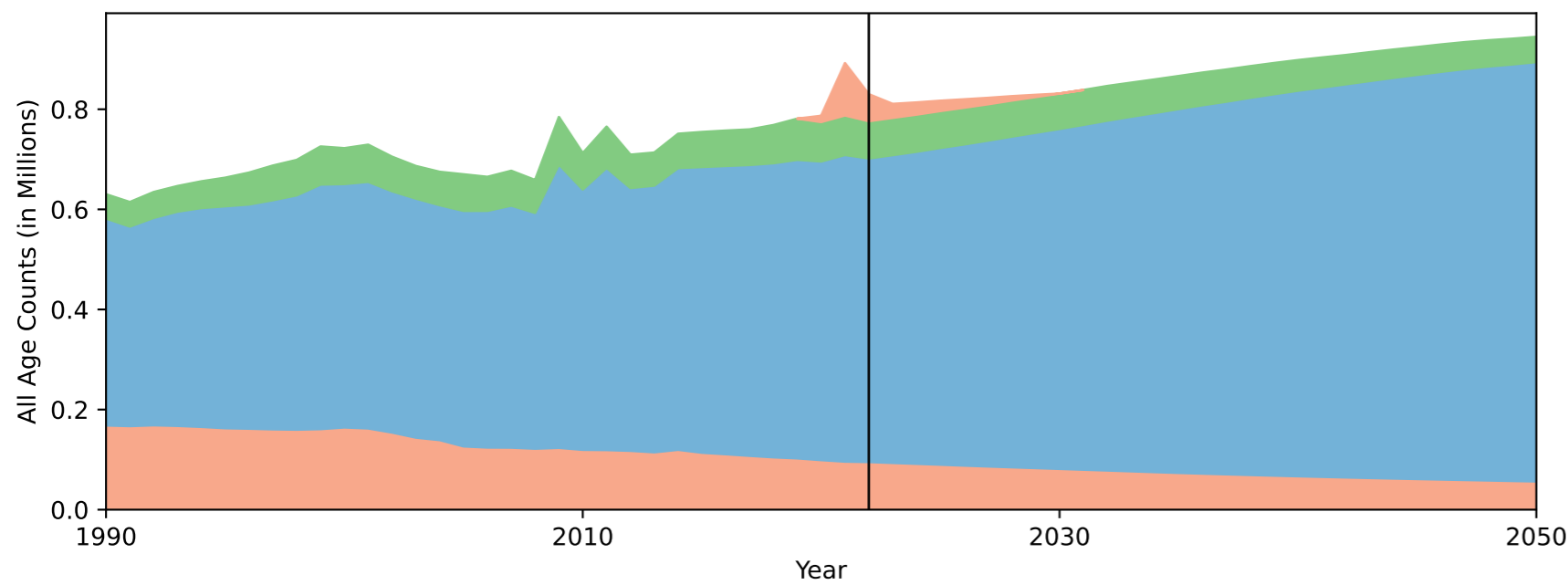
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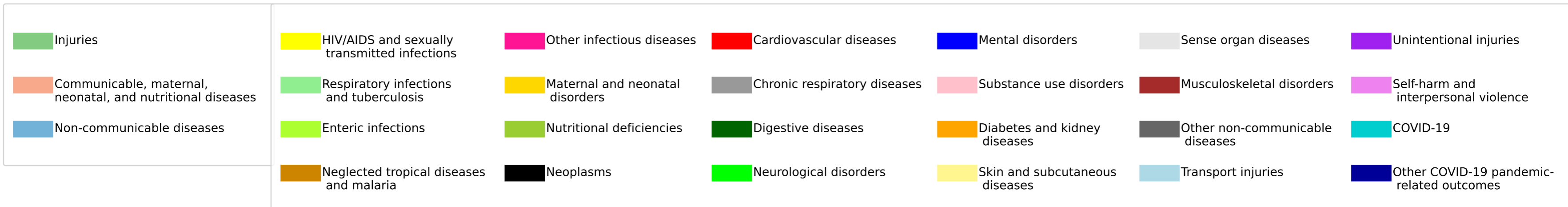
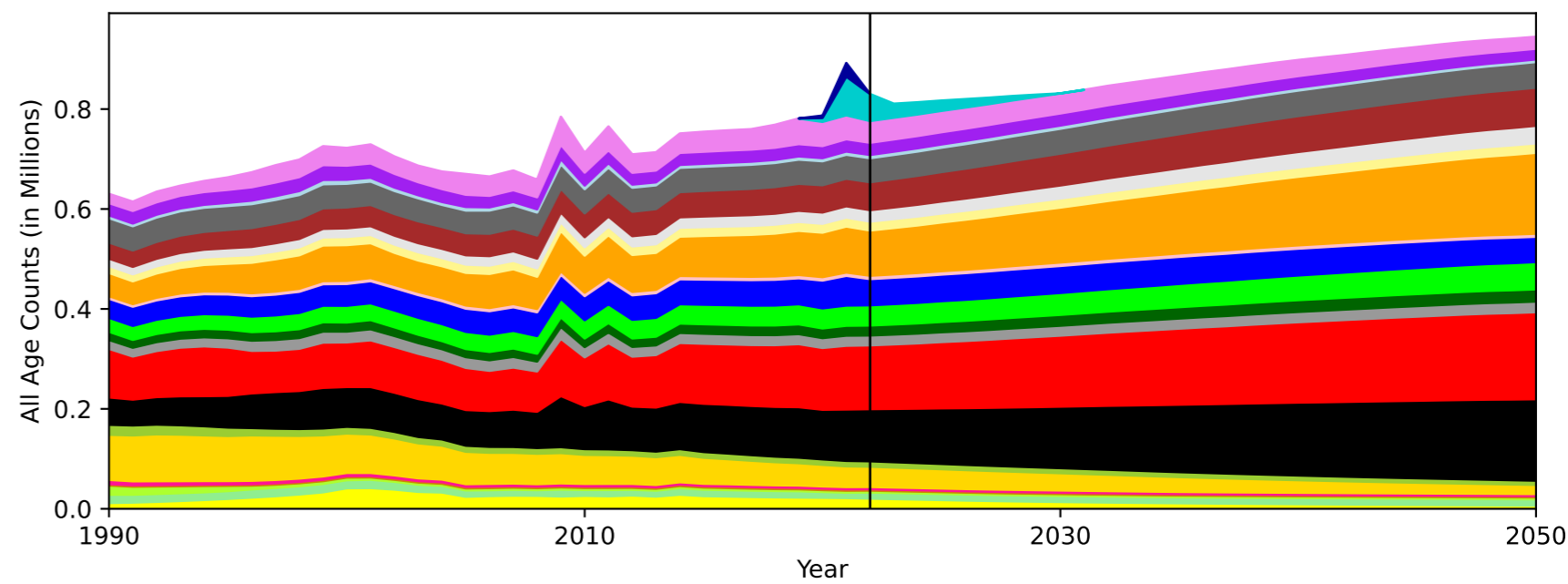
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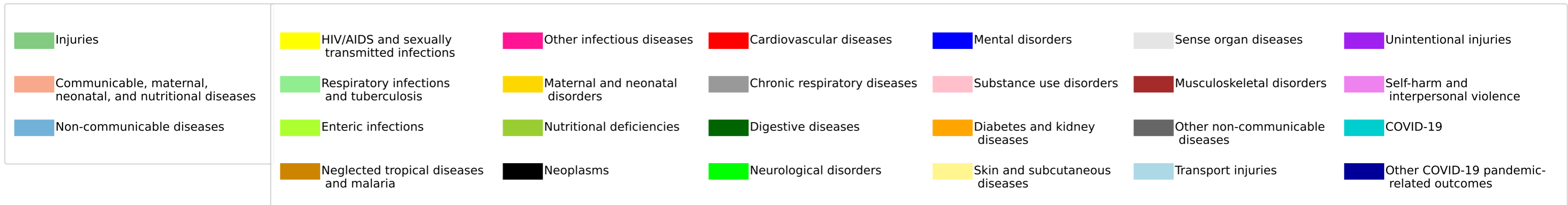
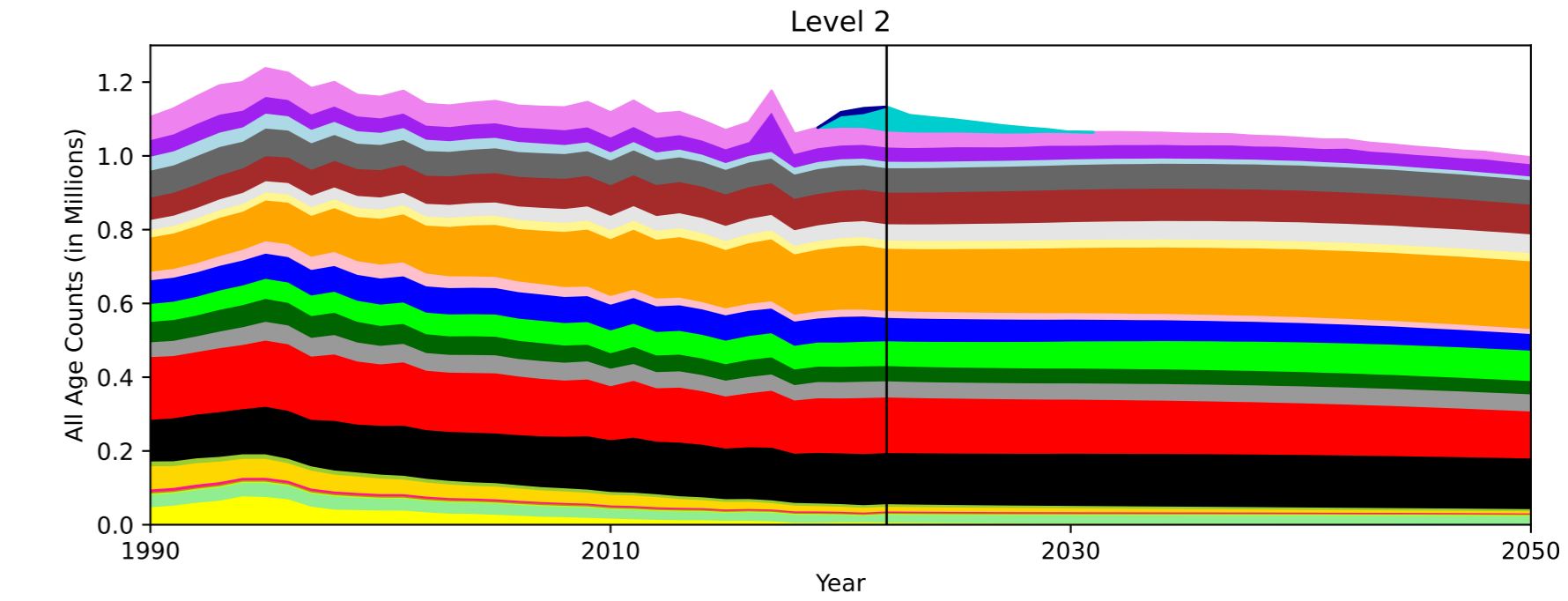
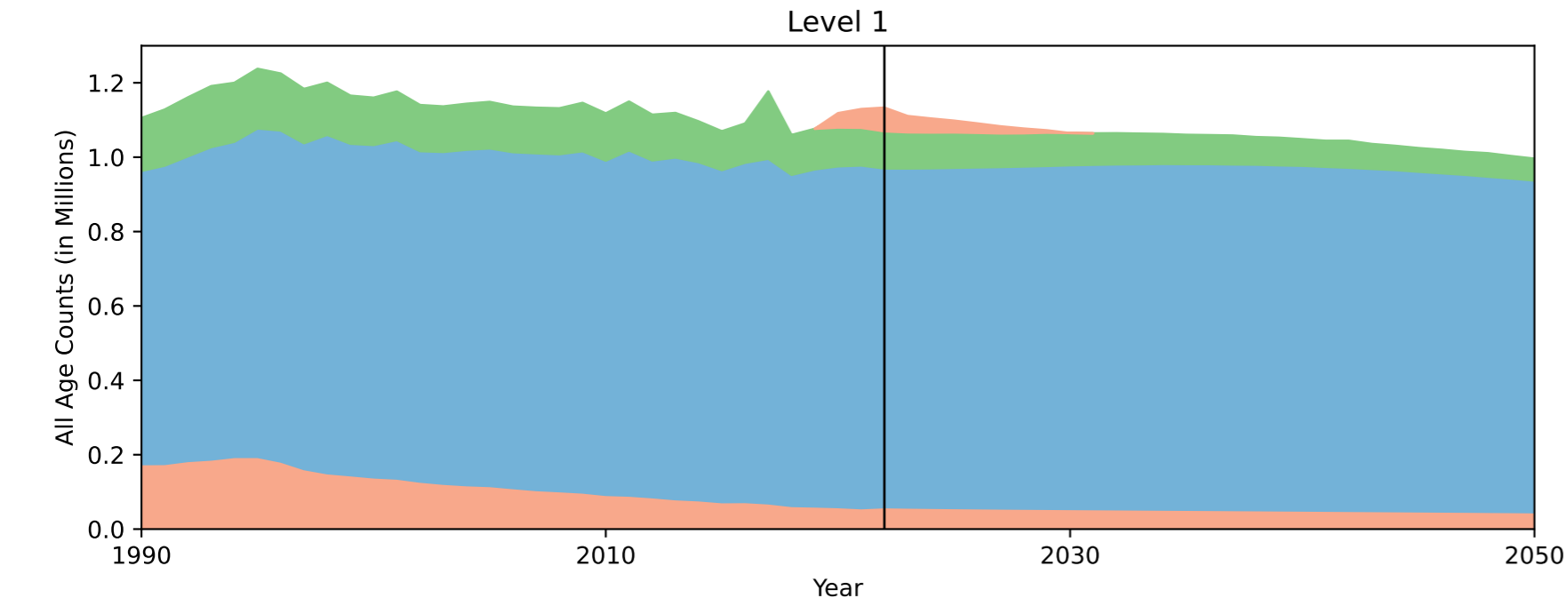
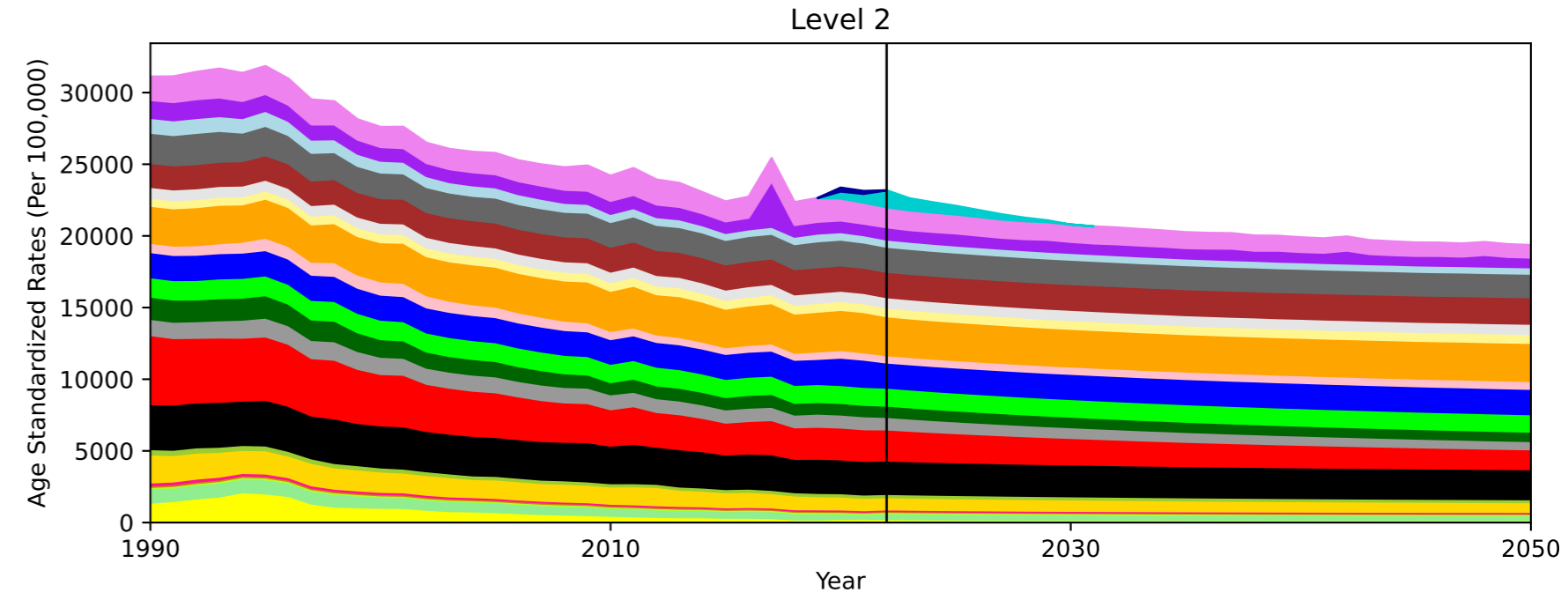
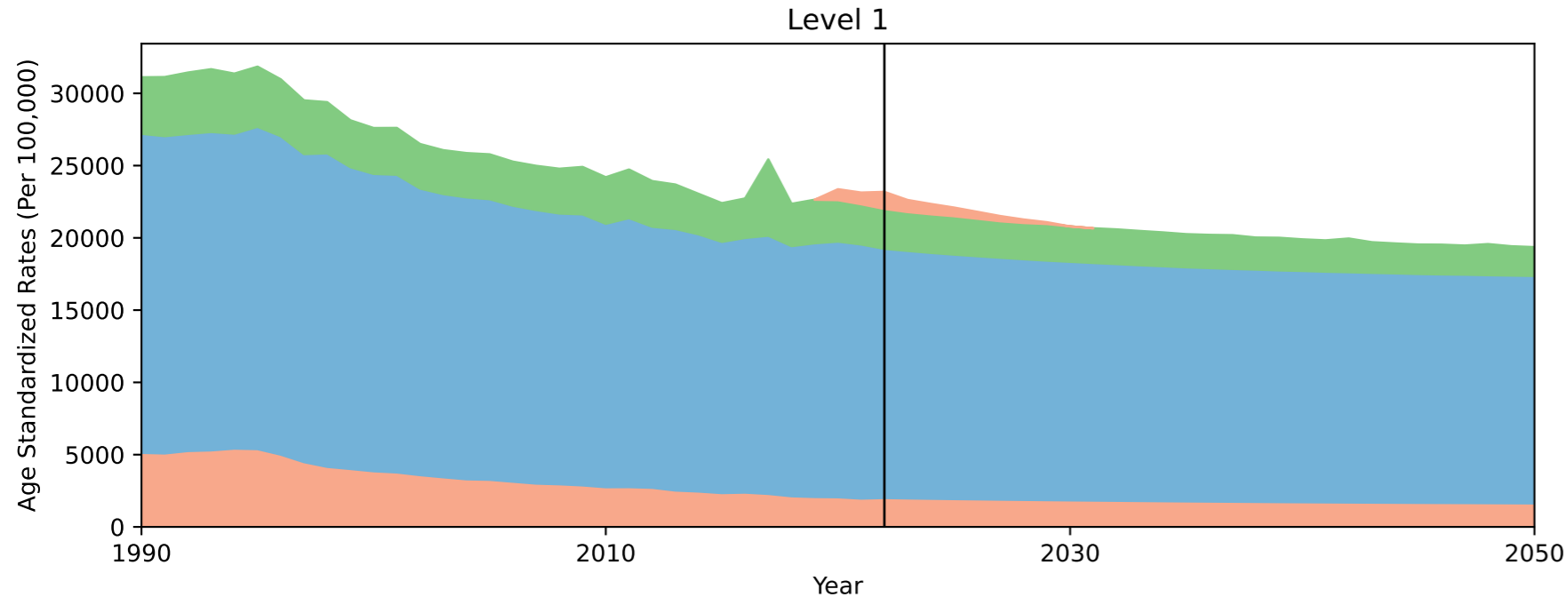
Level 1



Level 2



# Puerto Rico

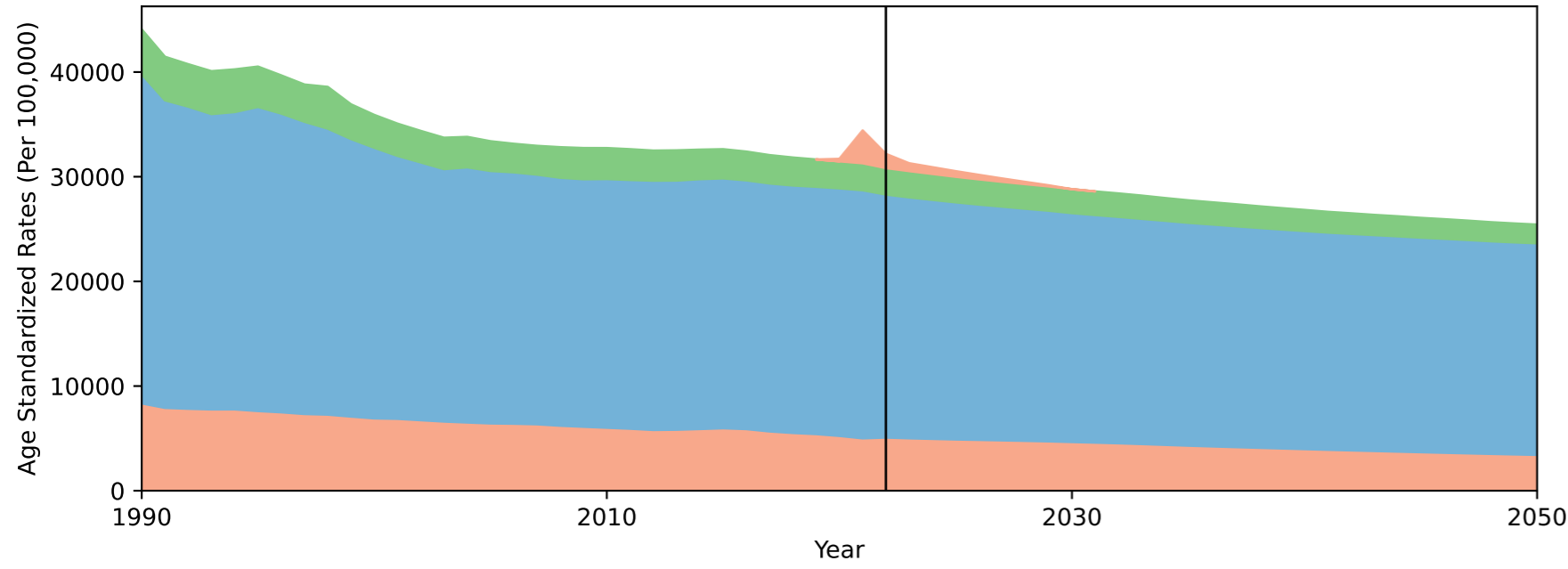


# Saint Kitts And Nevis

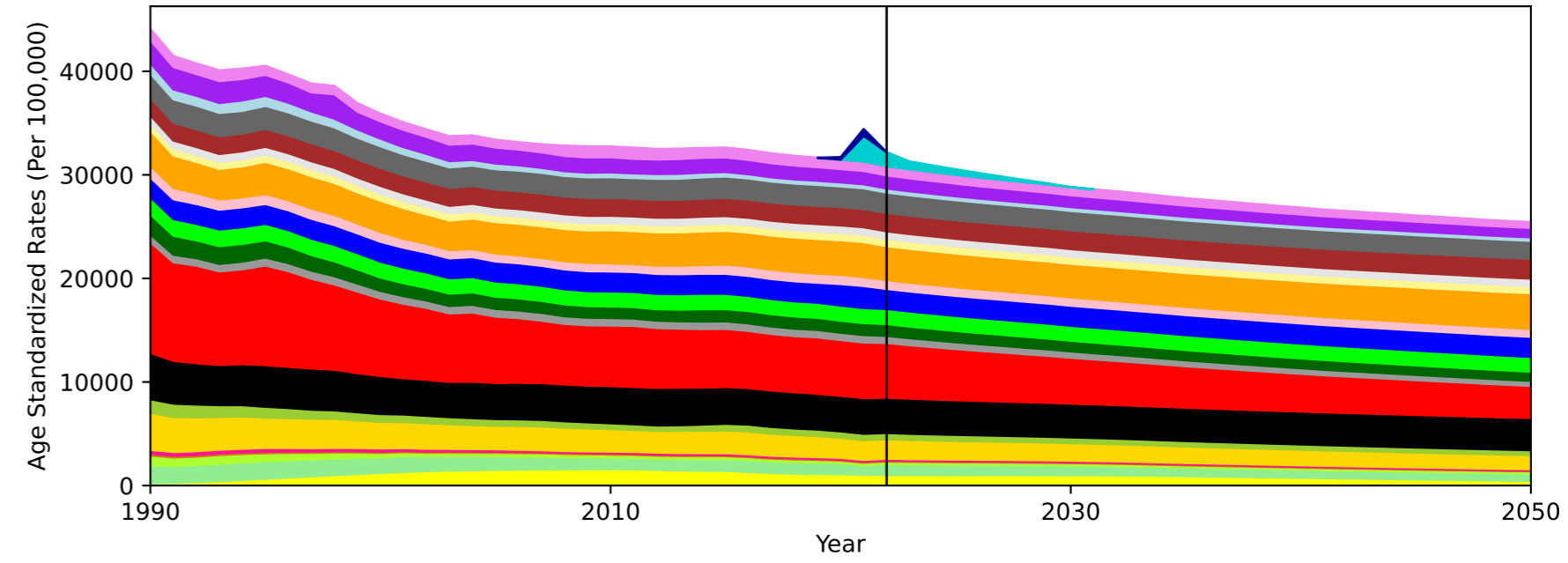
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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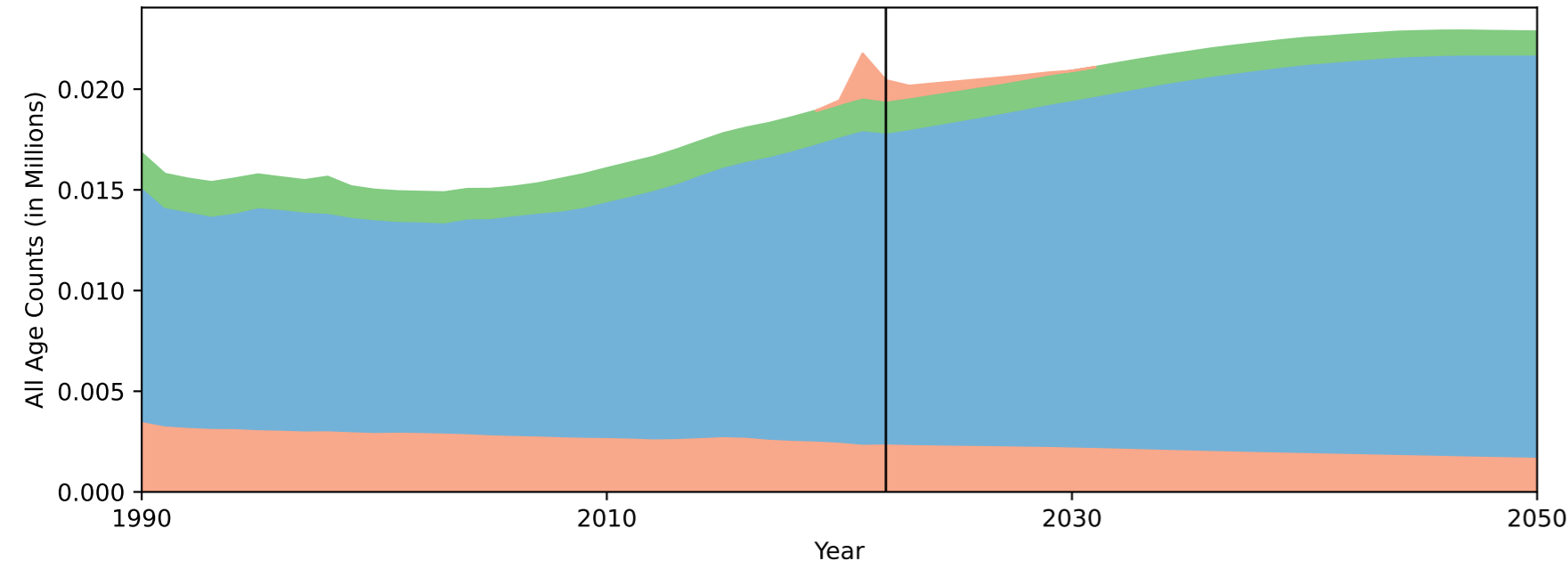
Level 1



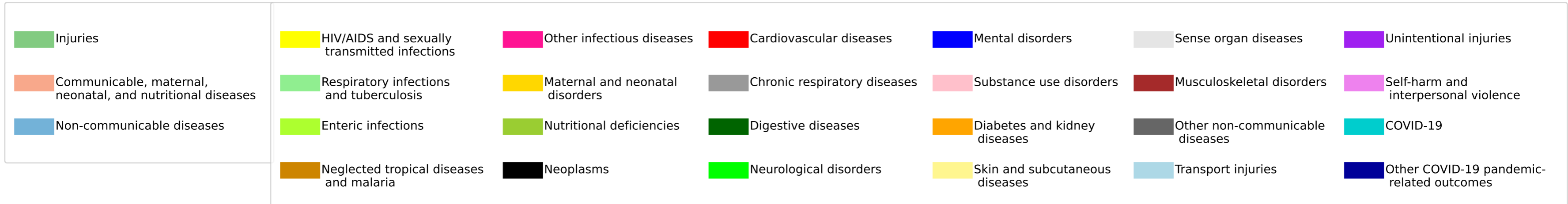
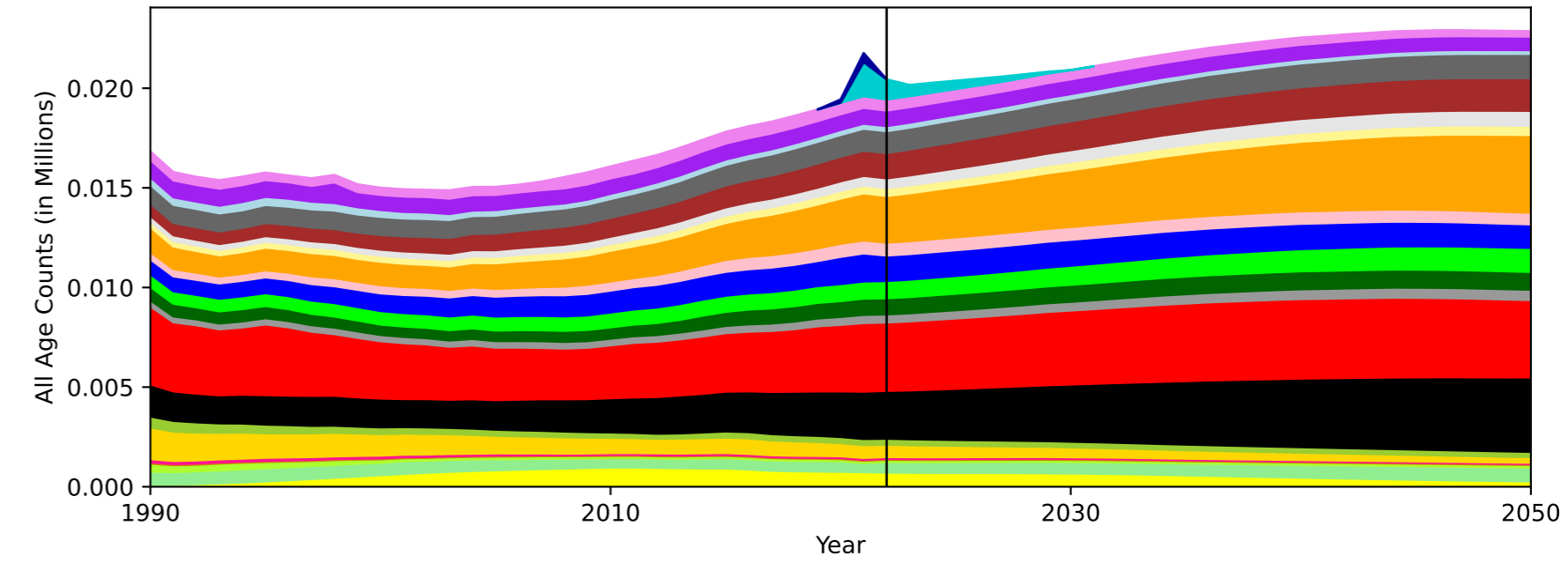
Level 2



Level 1

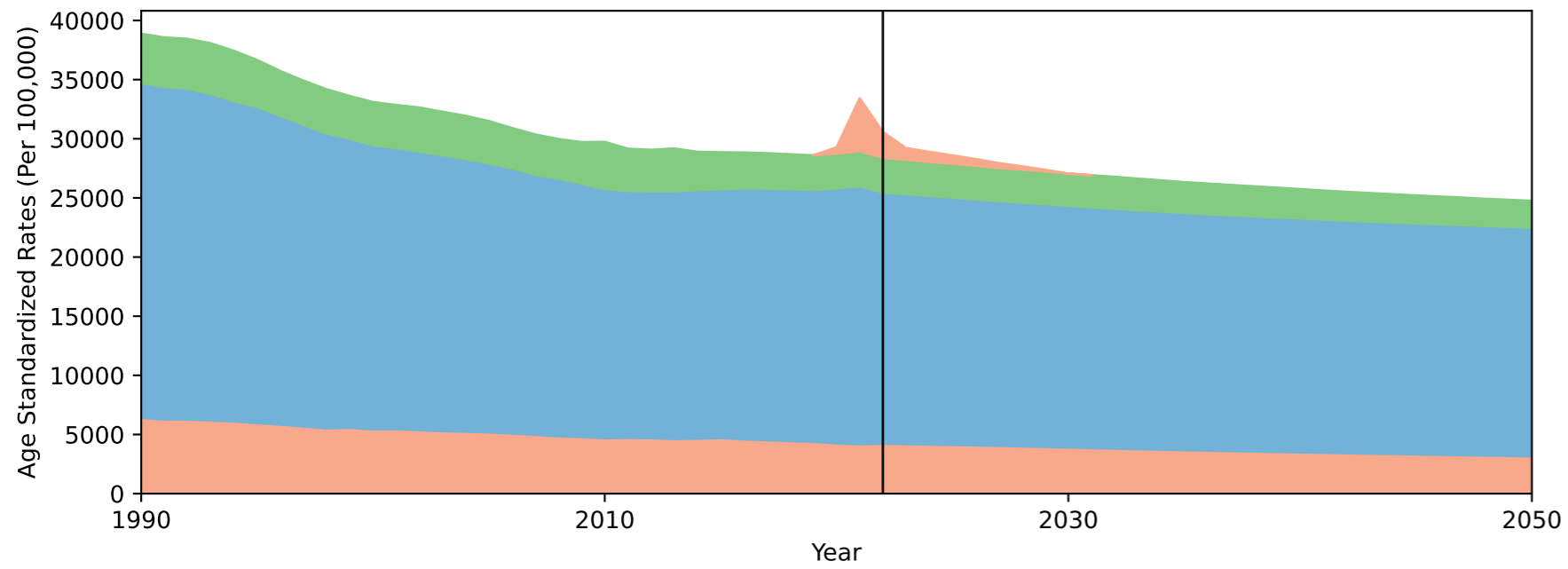


Level 2

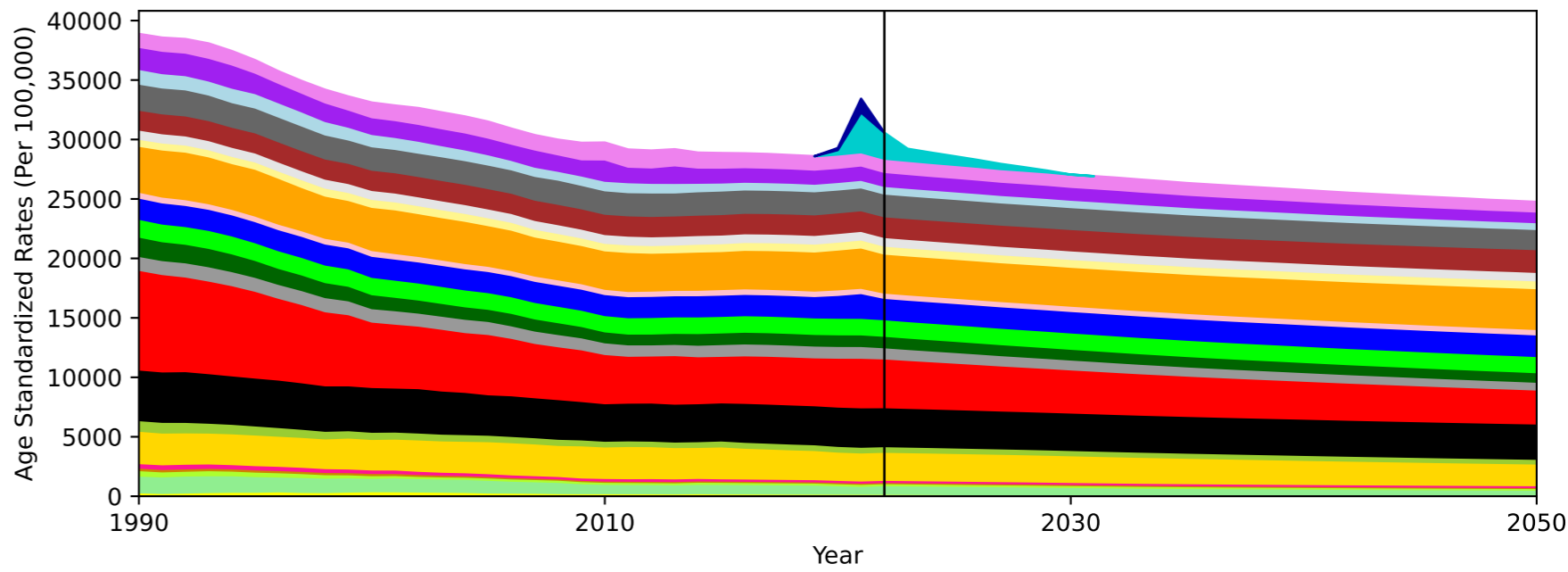


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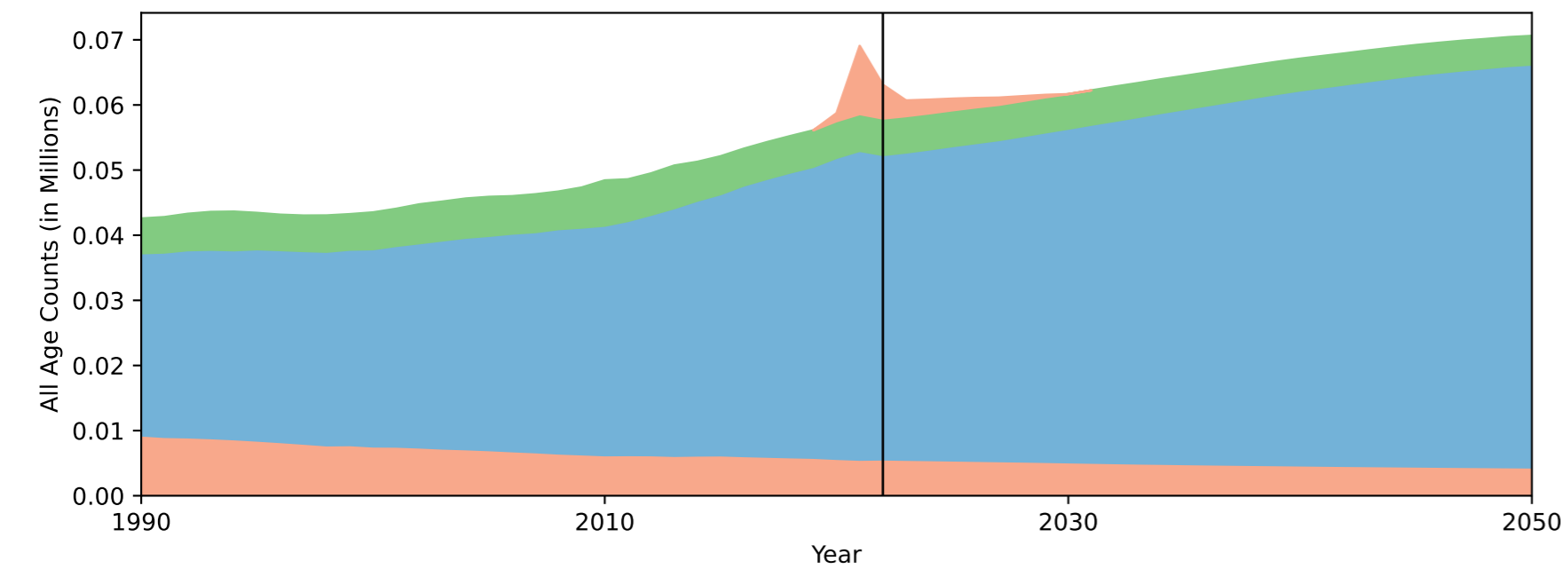
Level 1



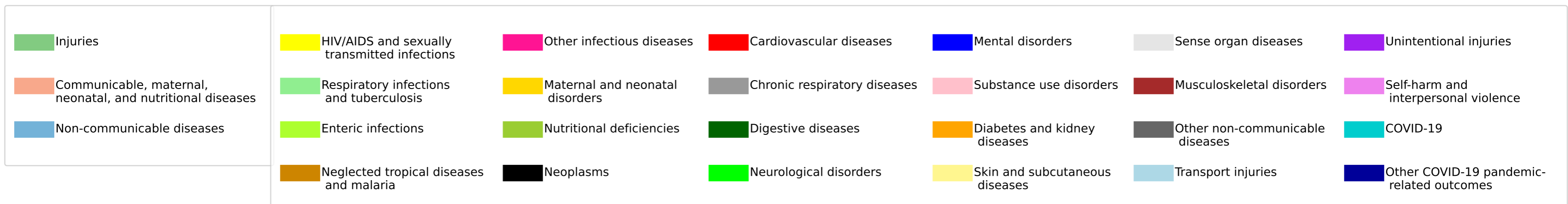
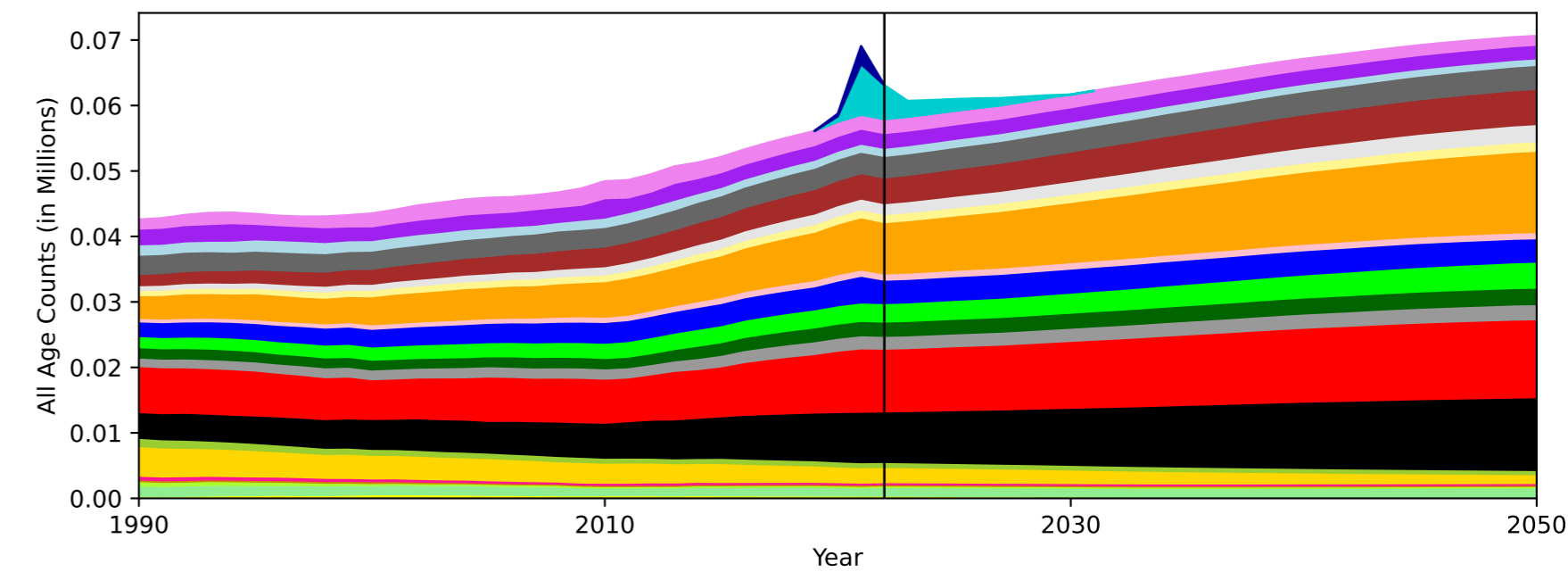
Level 2



Level 1

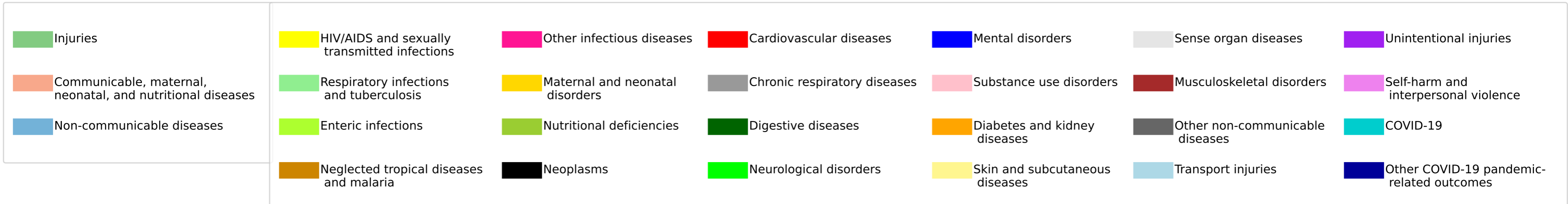
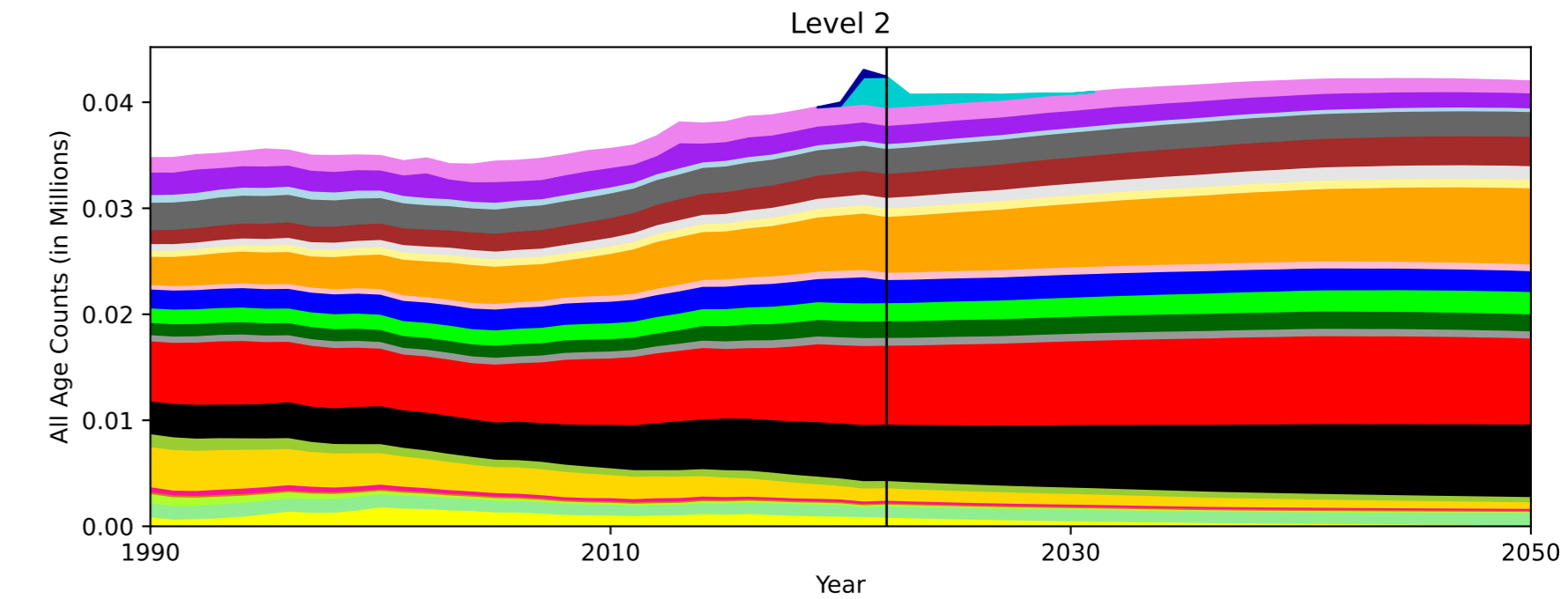
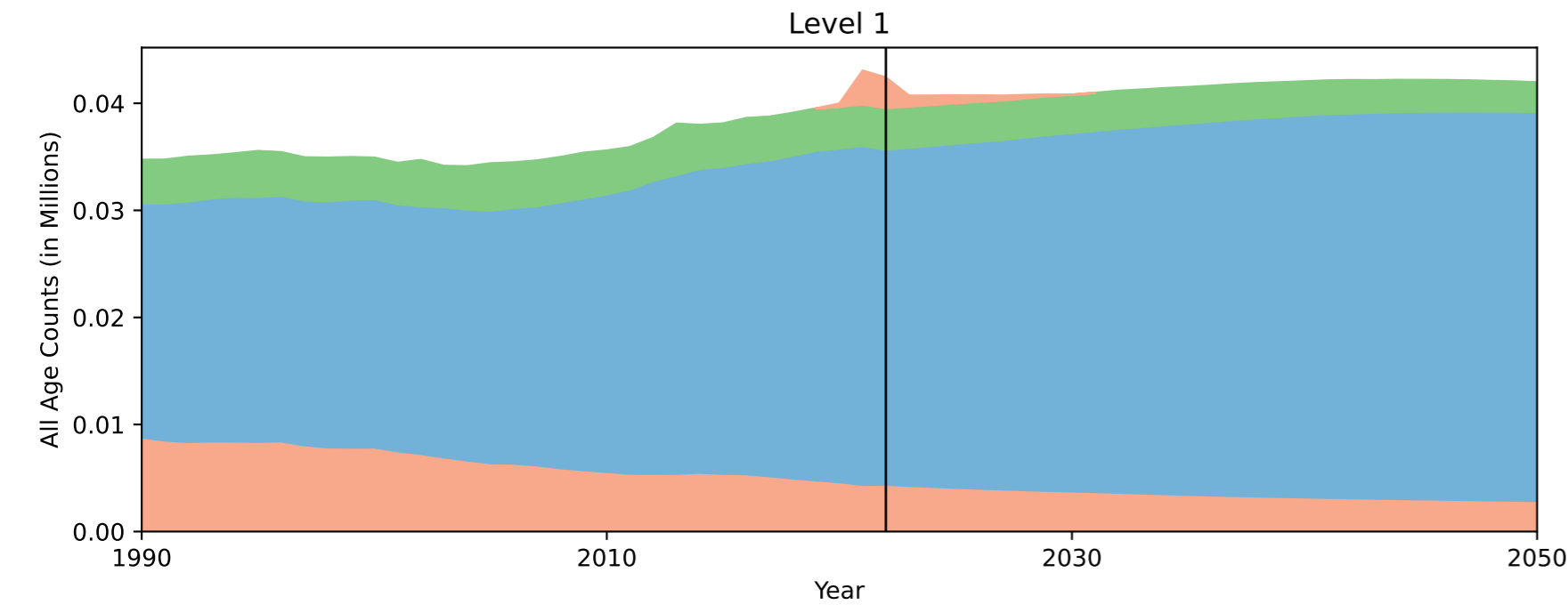
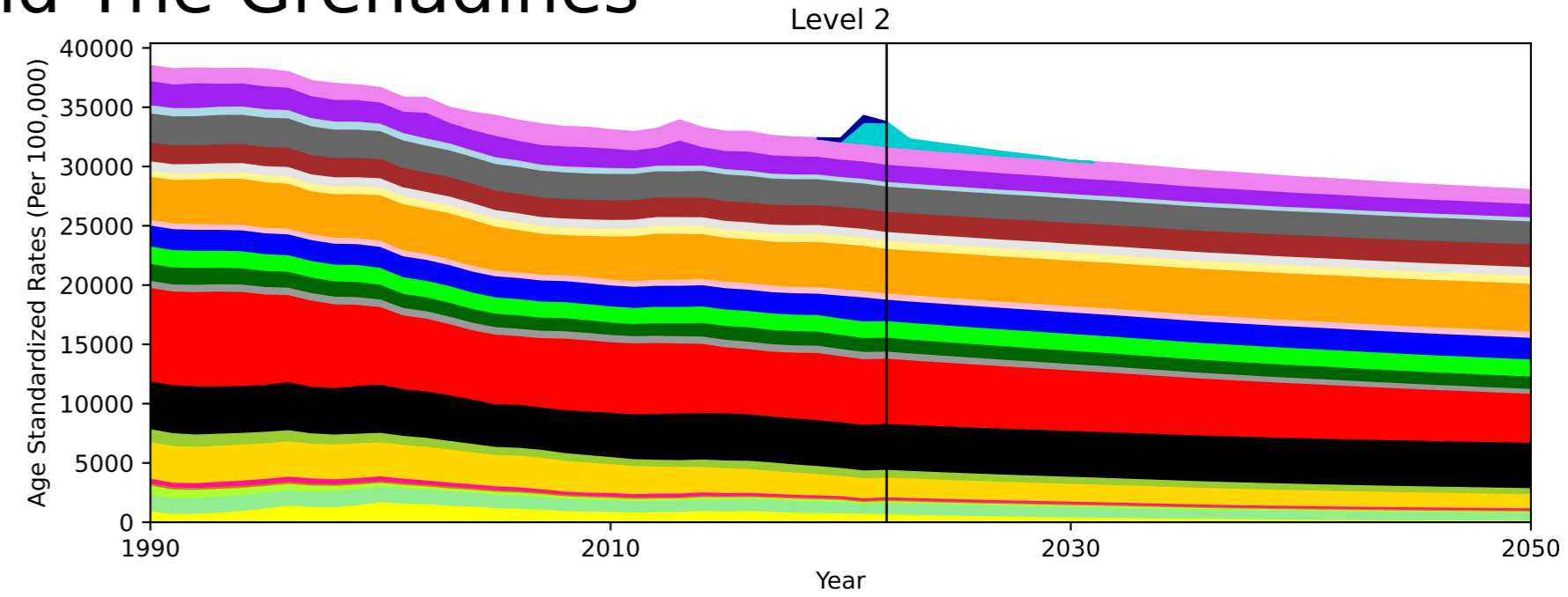
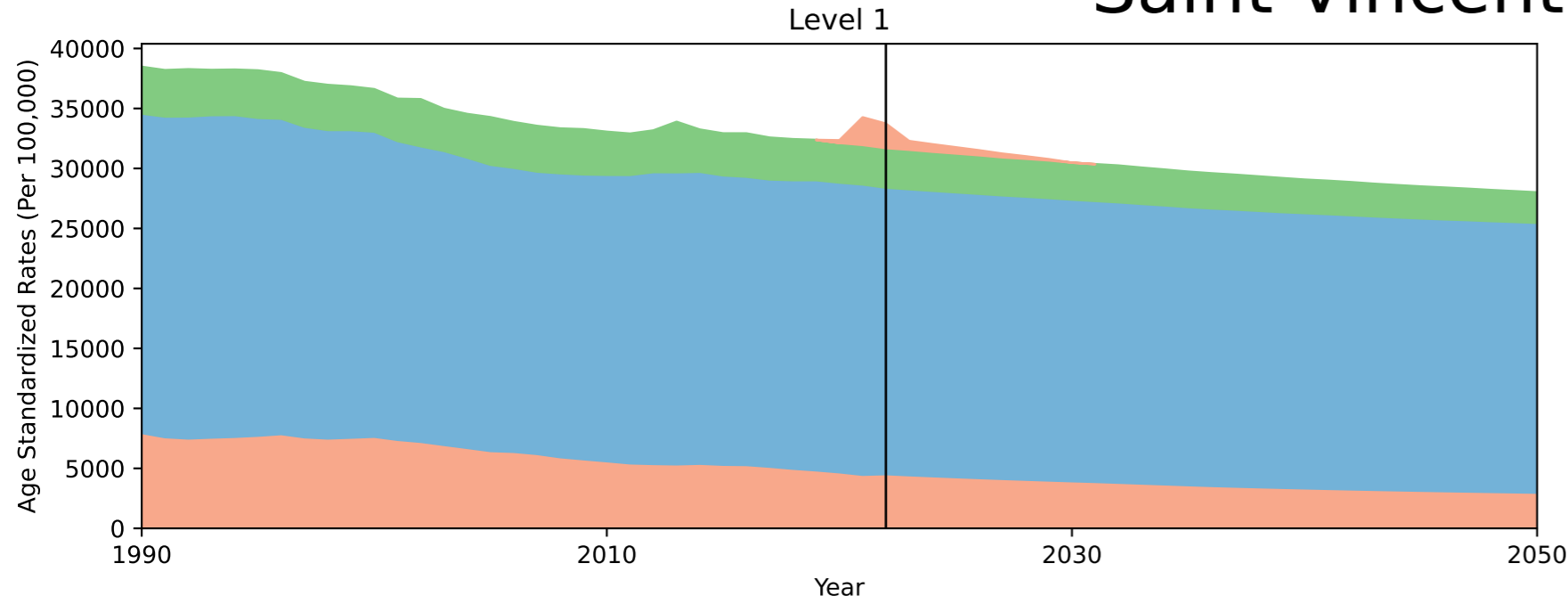


Level 2

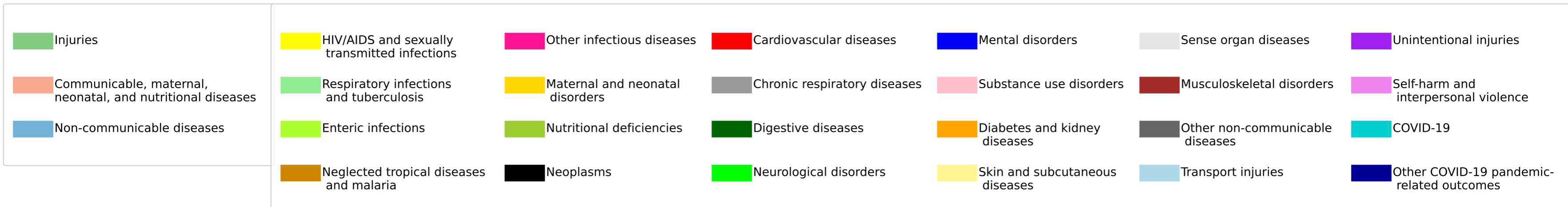
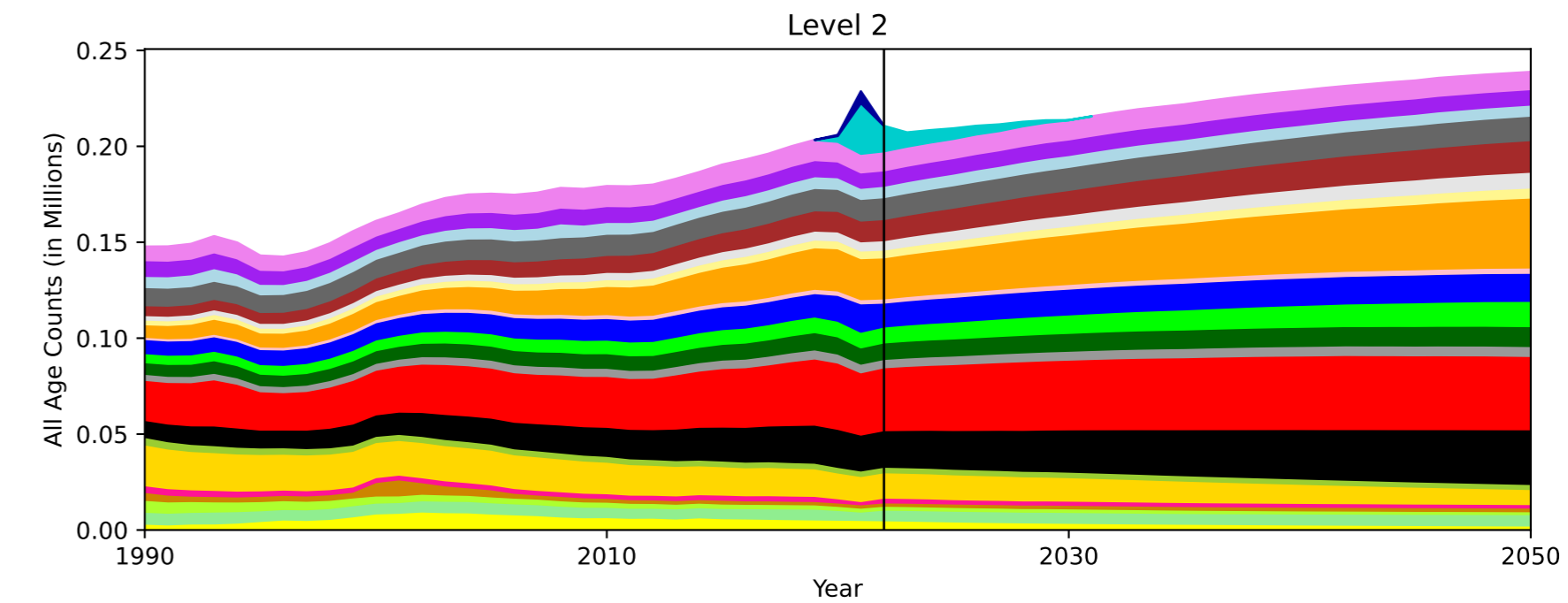
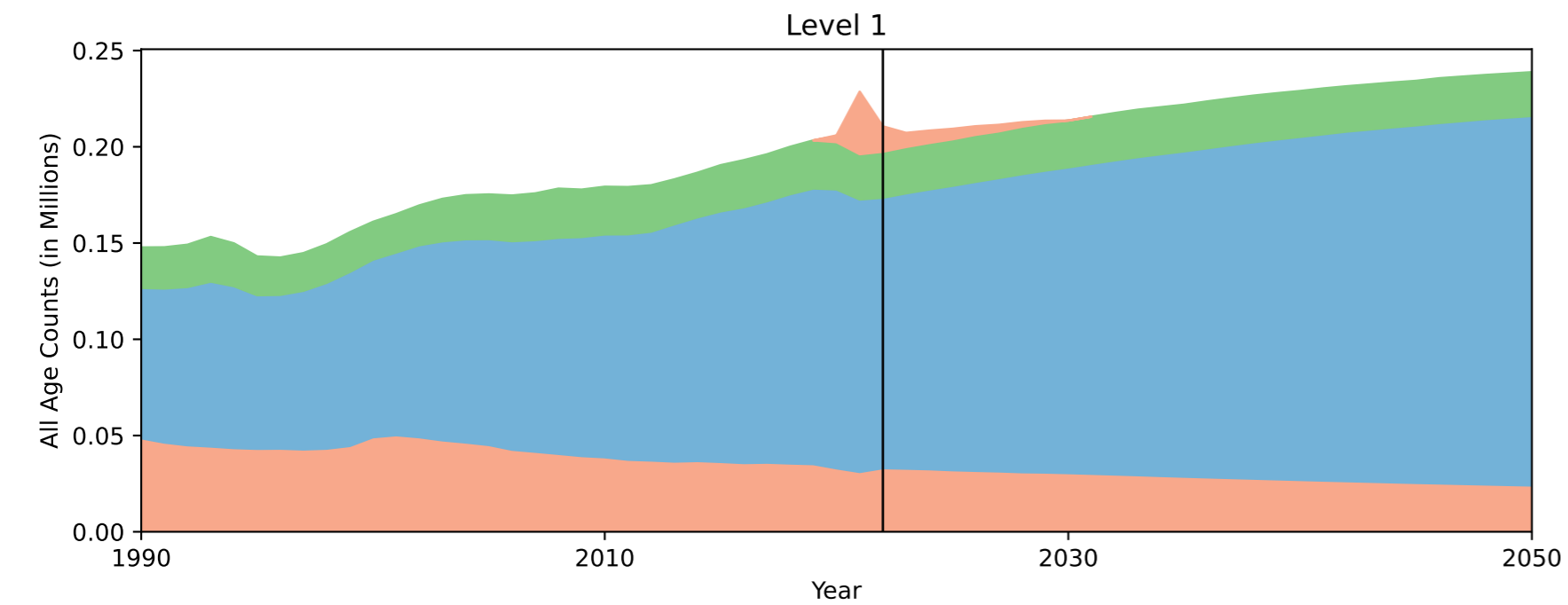
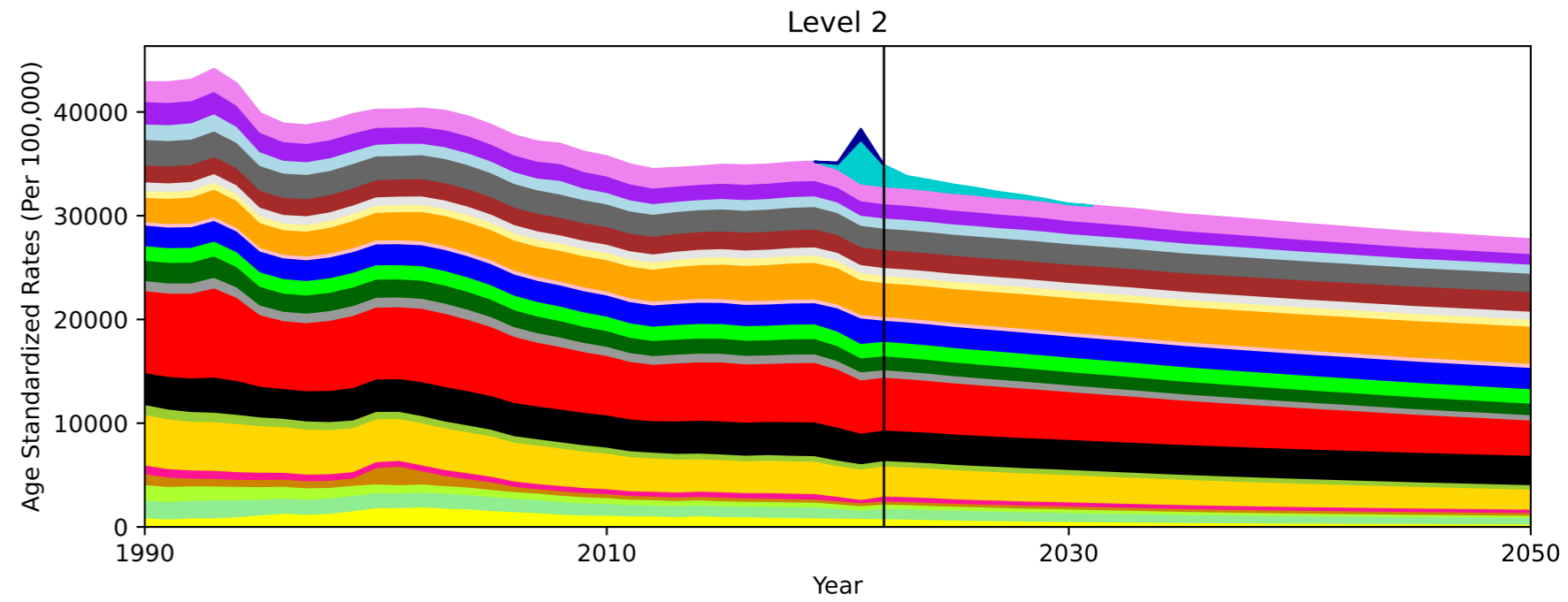
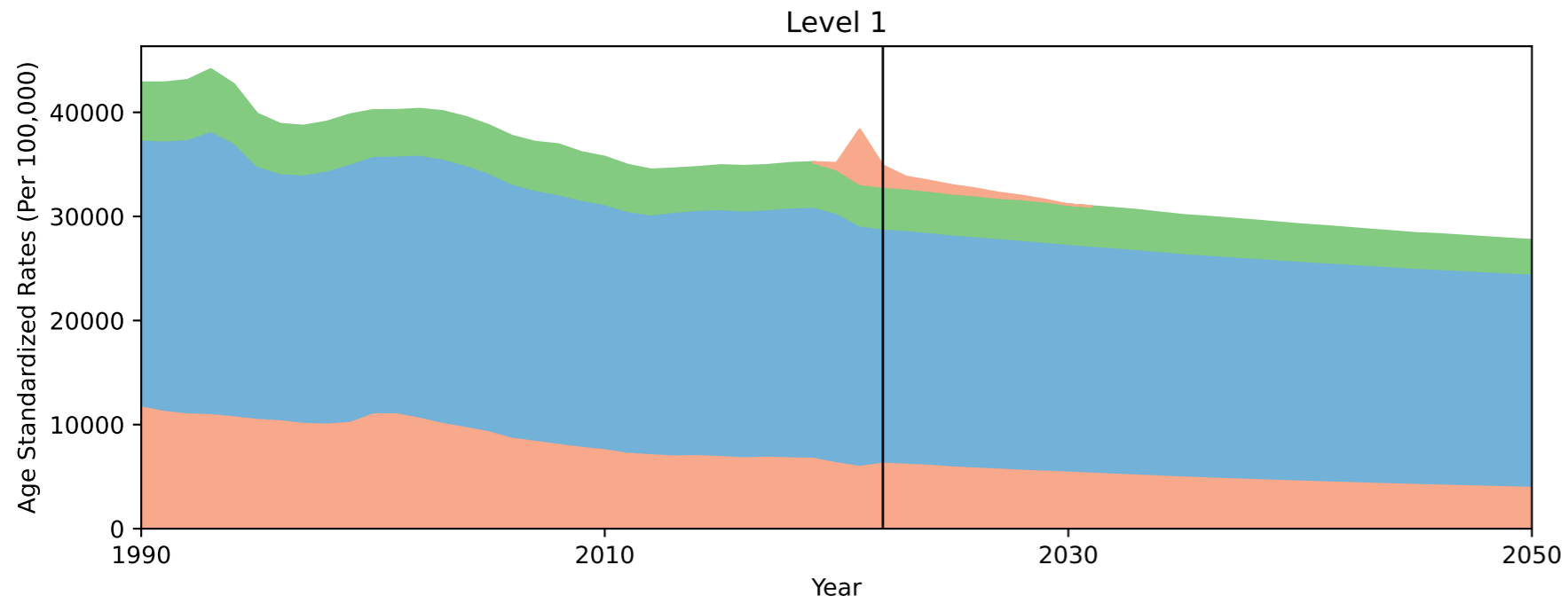




# Saint Vincent And The Grenadines



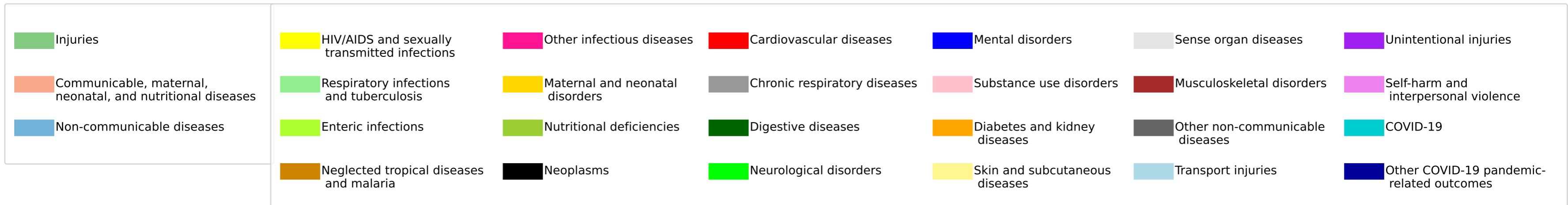
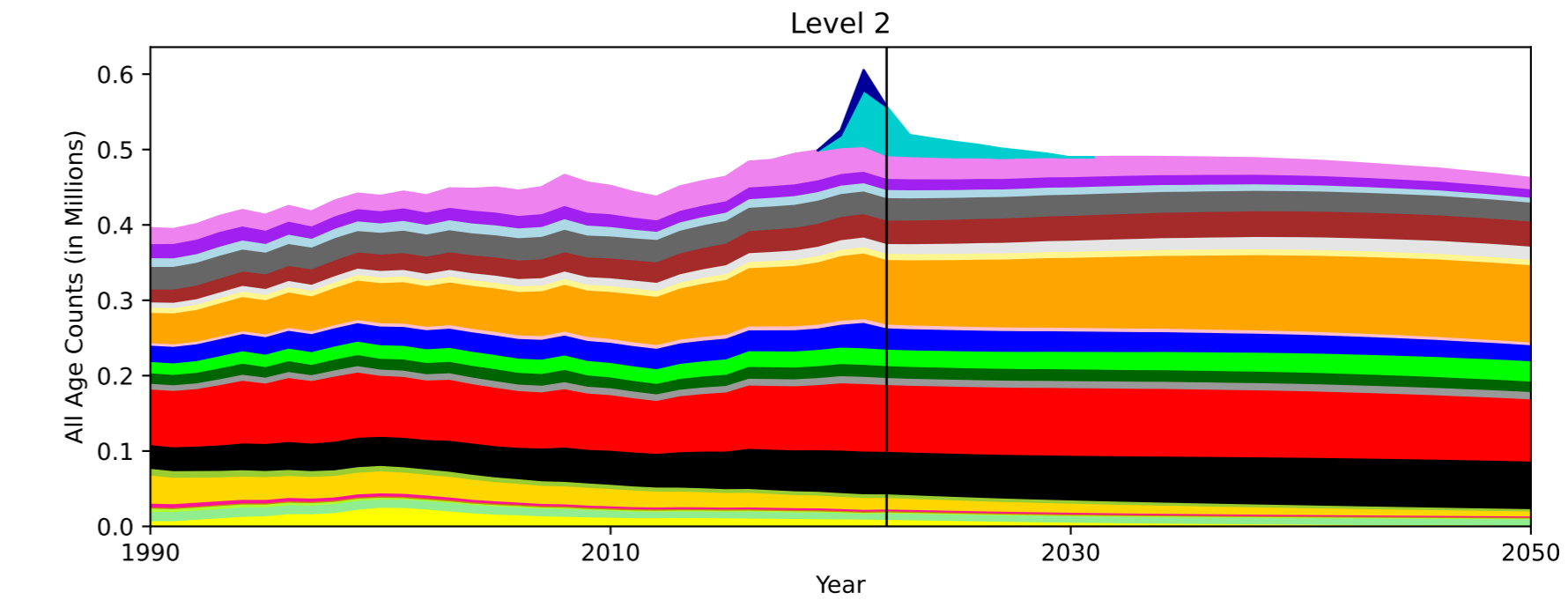
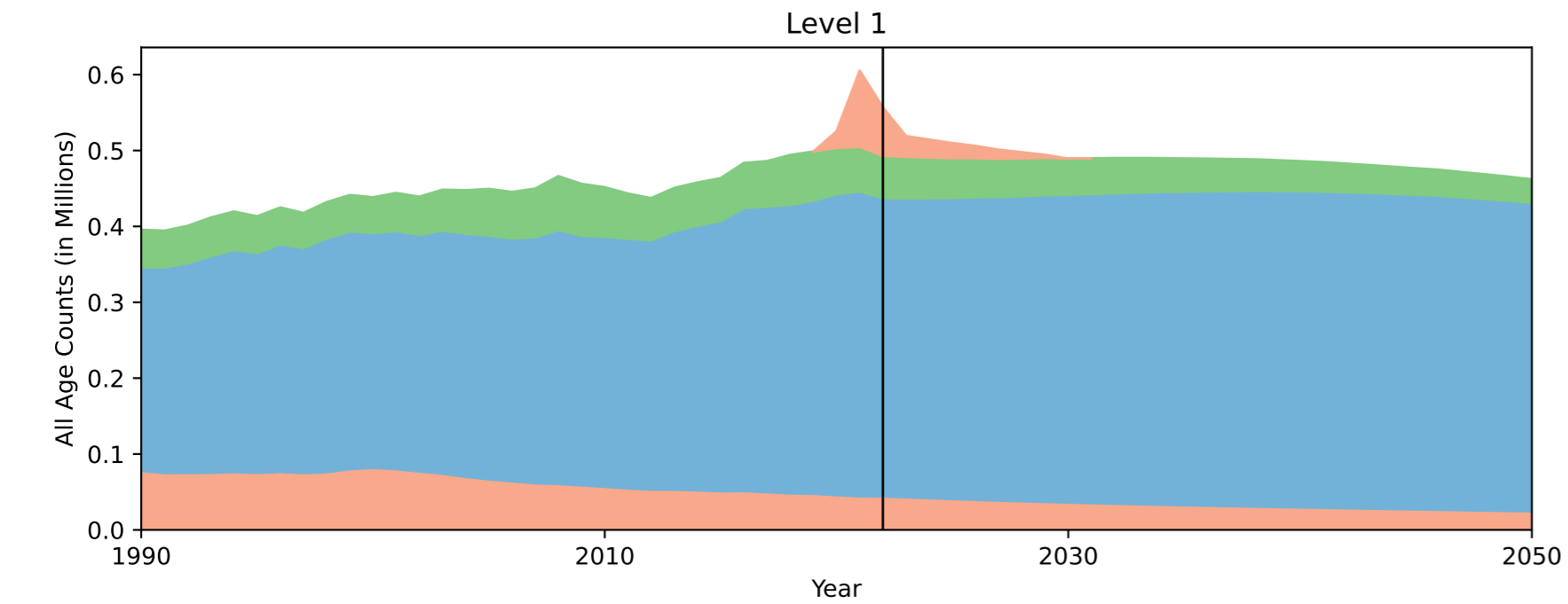
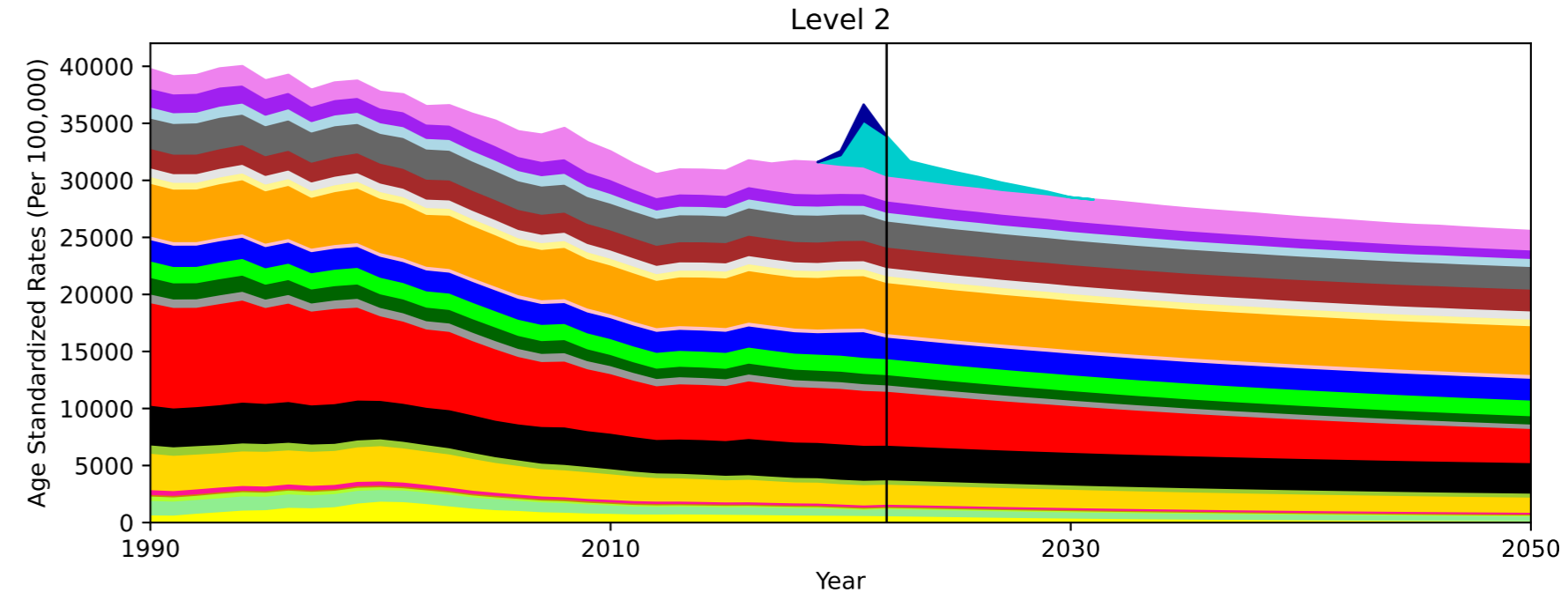
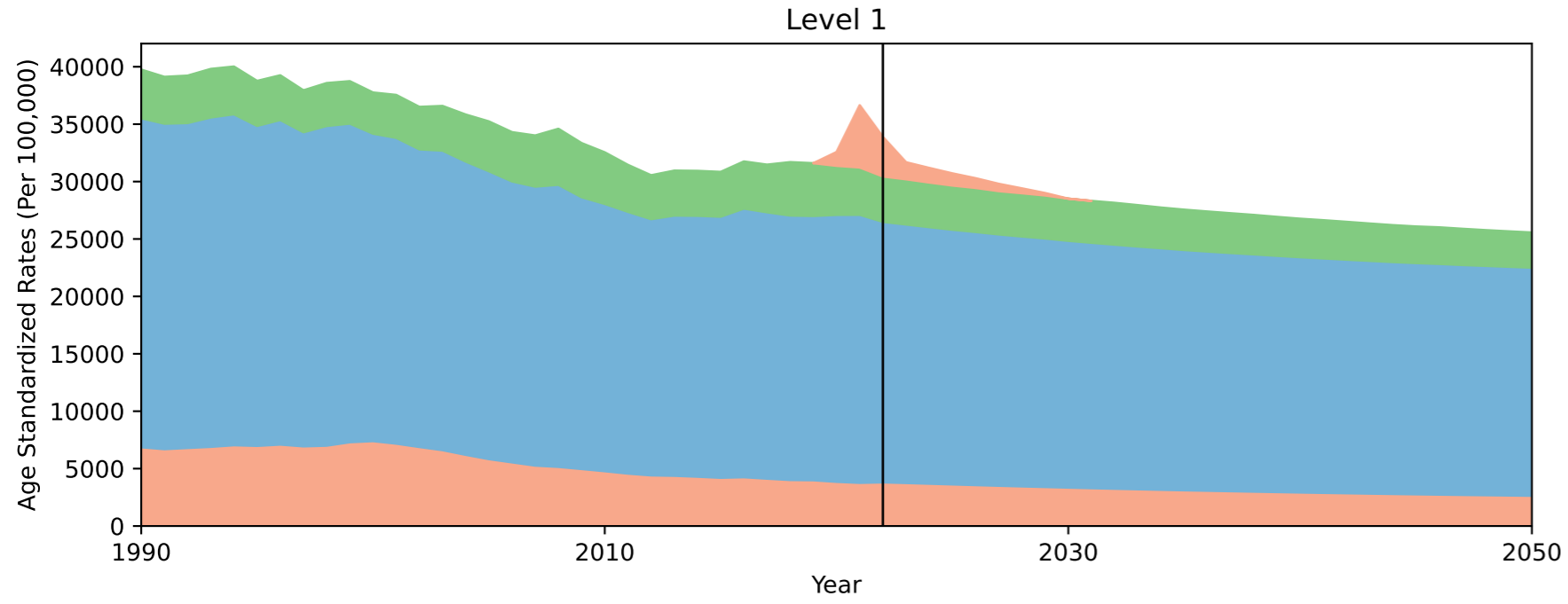
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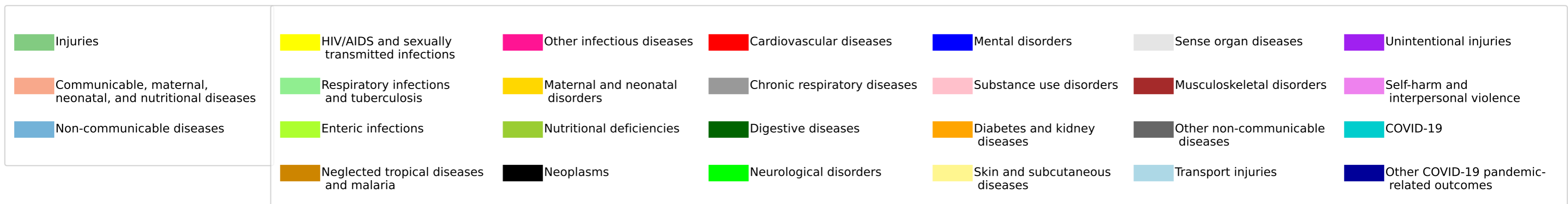
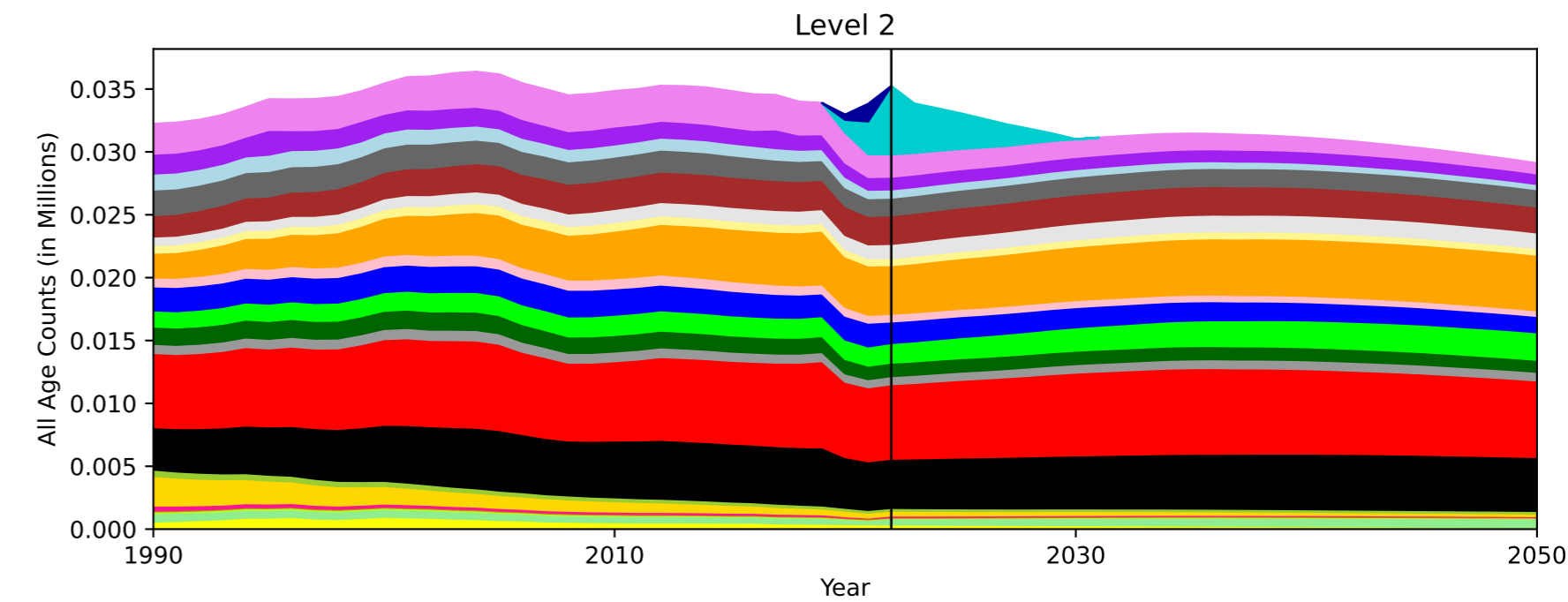
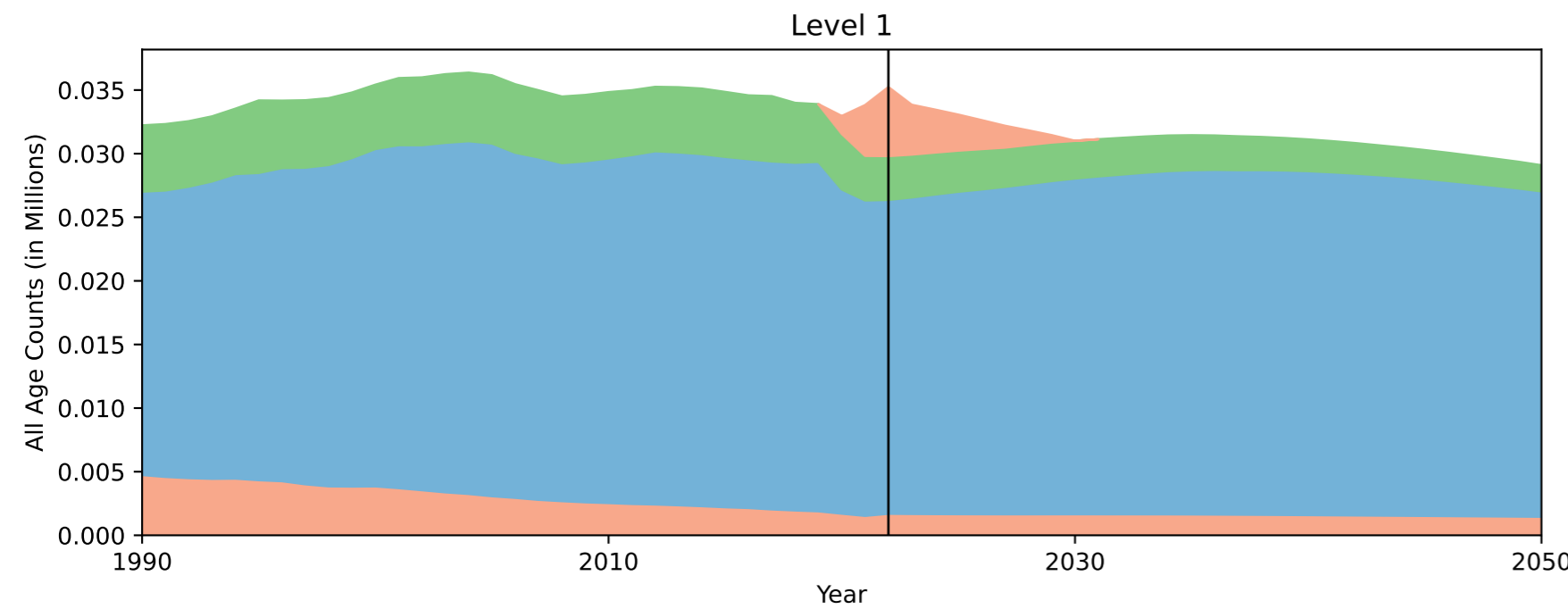
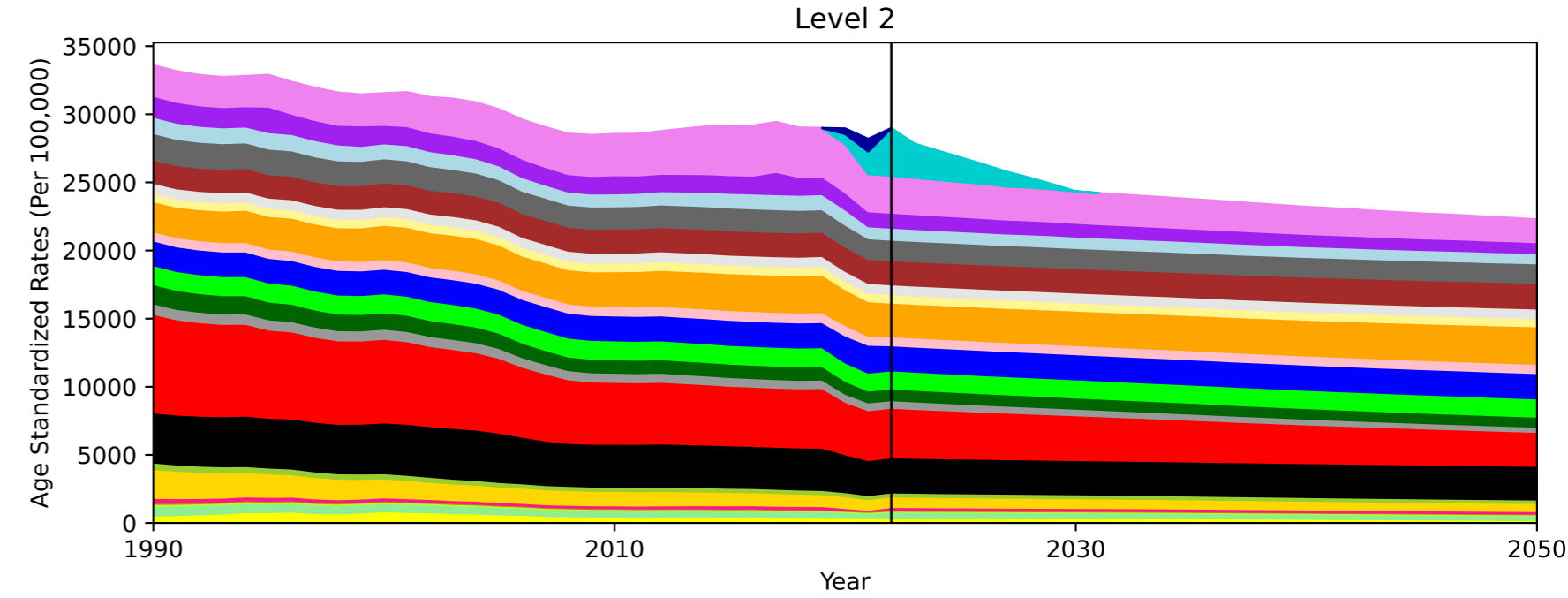
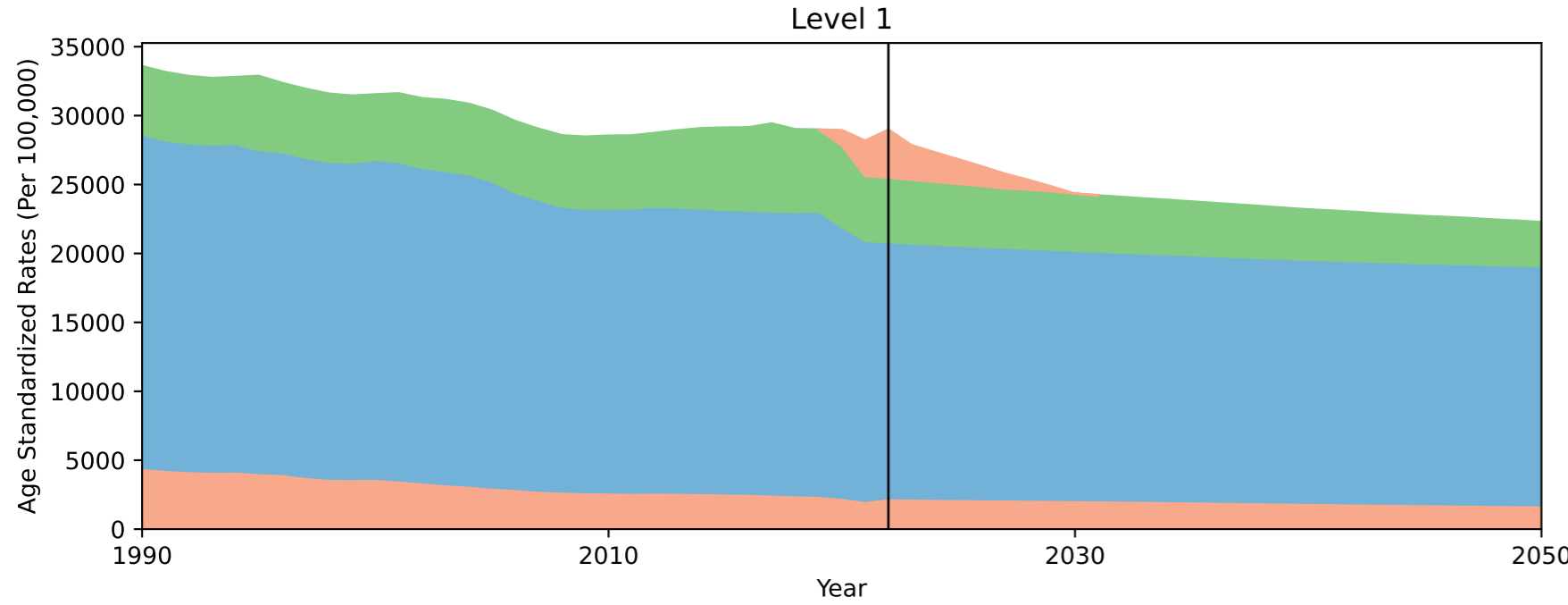
# Trinidad And Tobago

Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

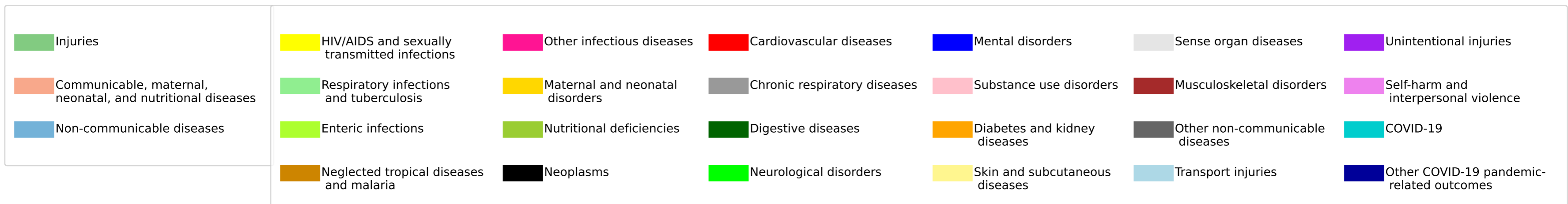
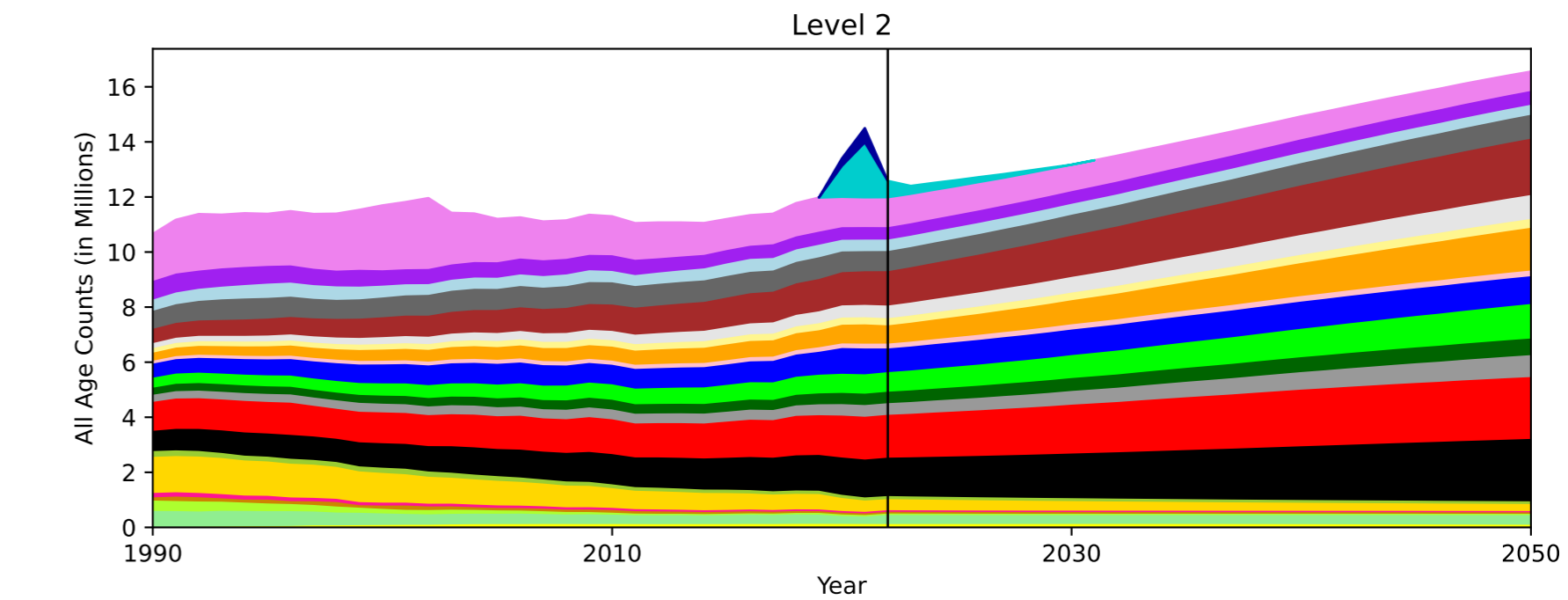
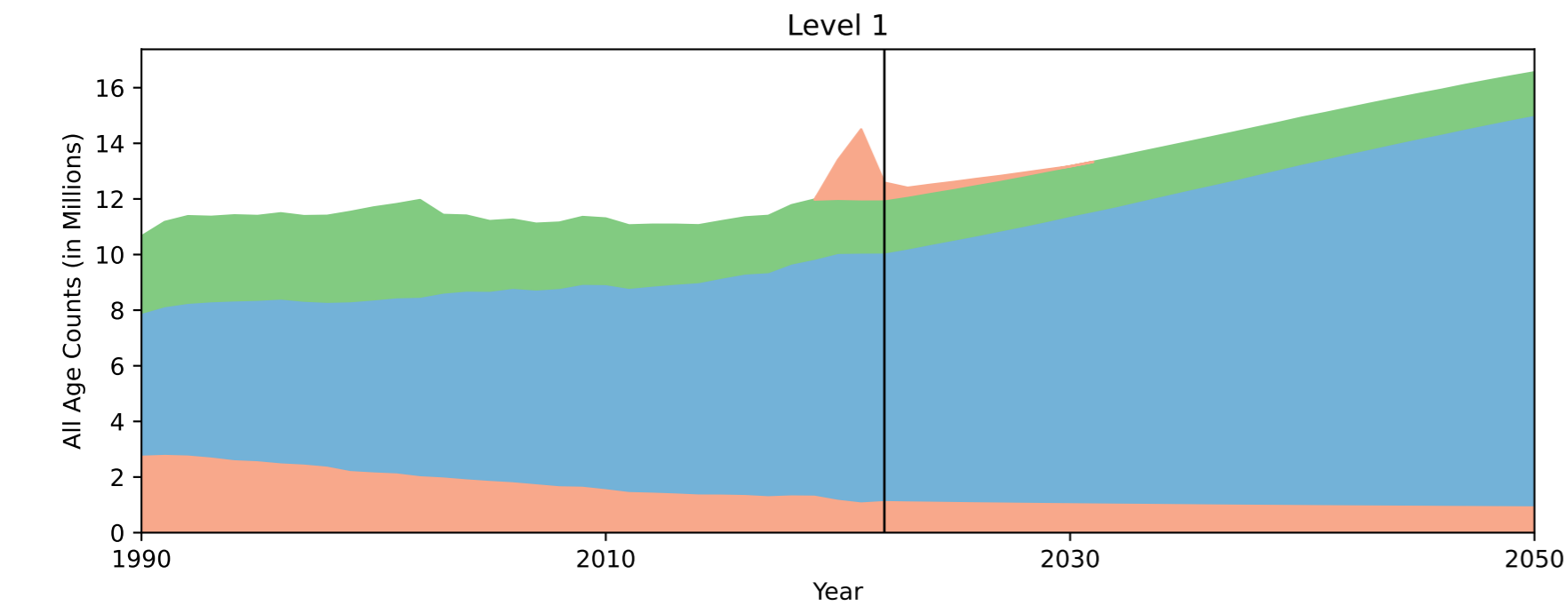
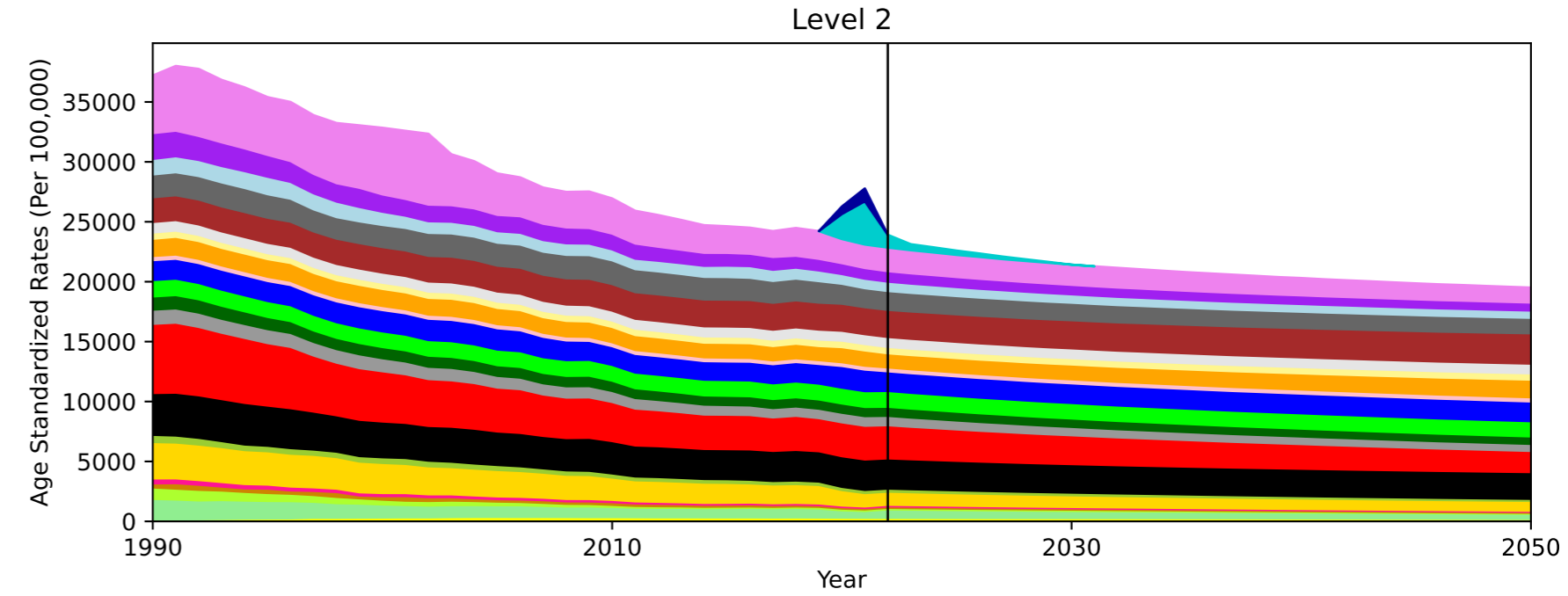
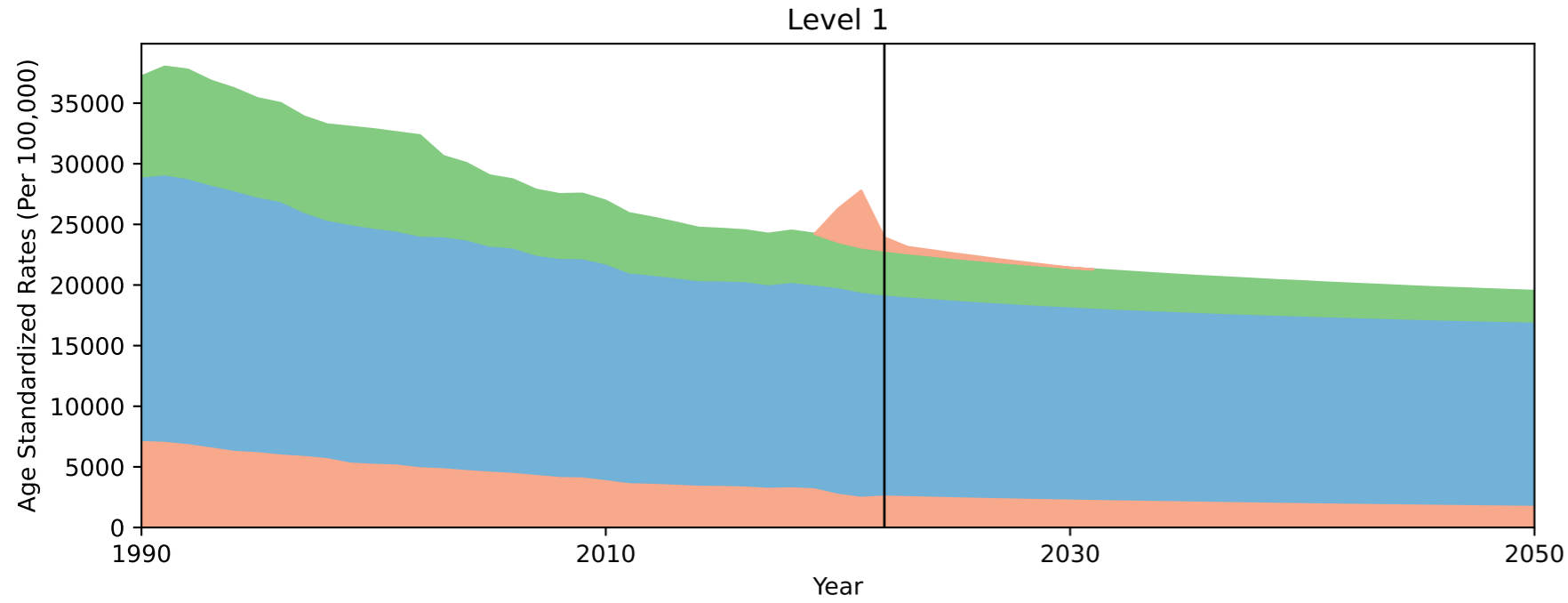
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# Virgin Islands

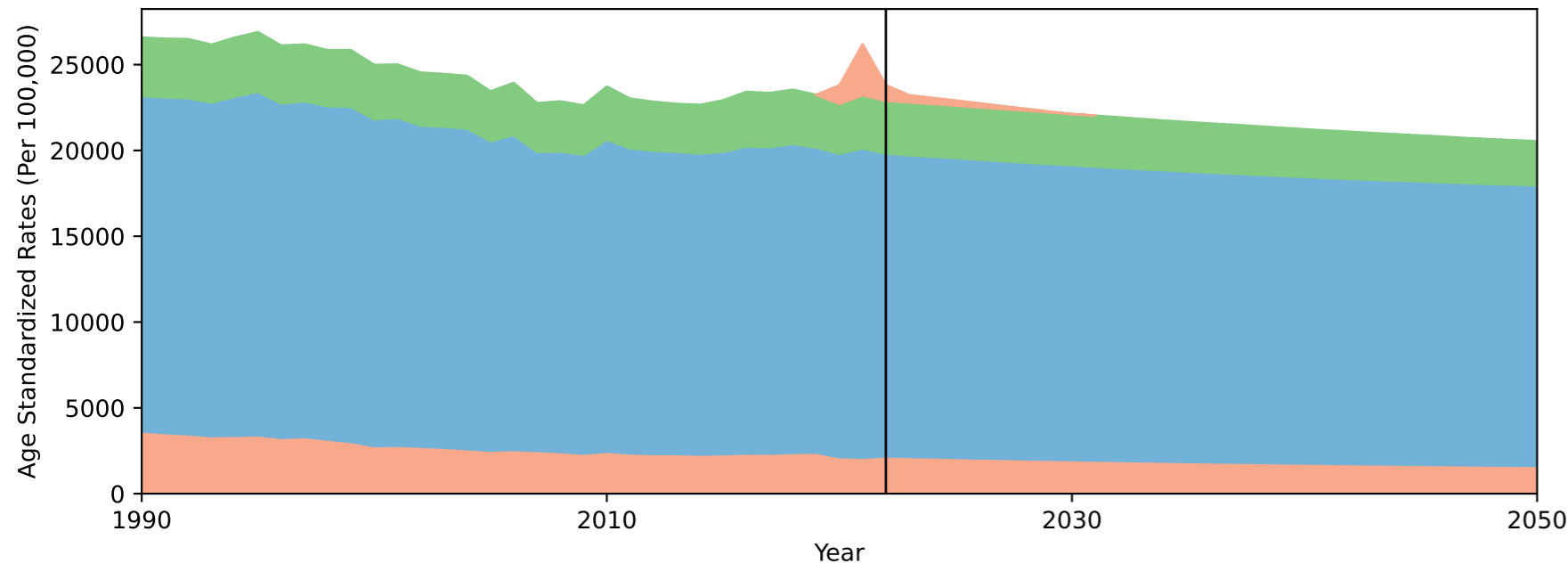


# Colombia

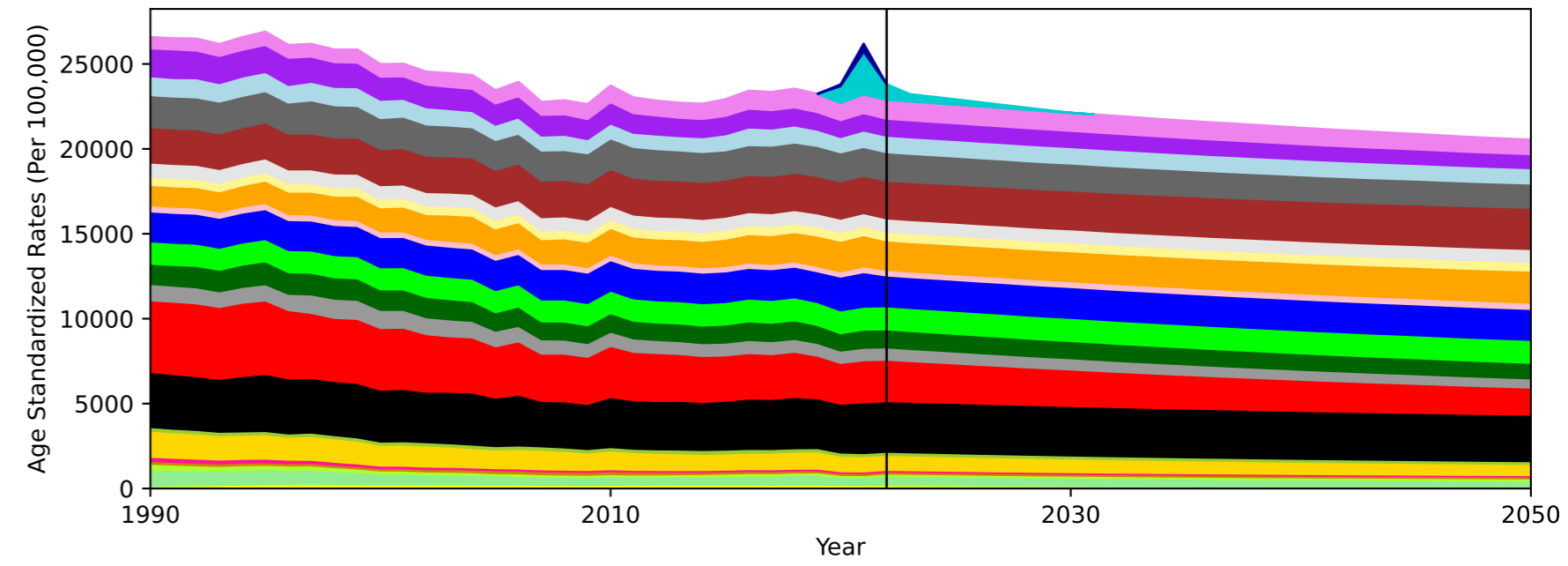


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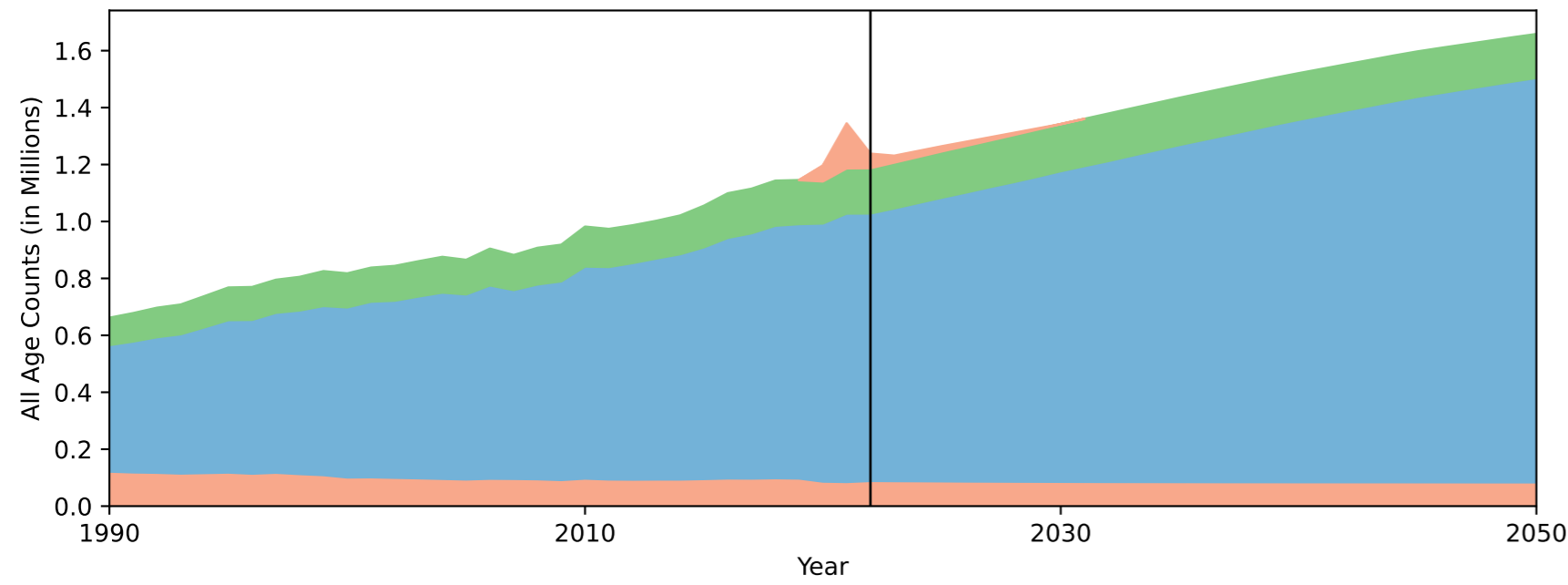
Level 1



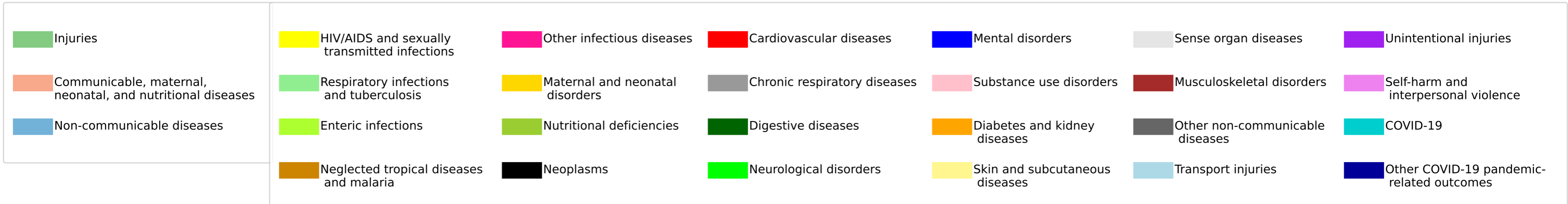
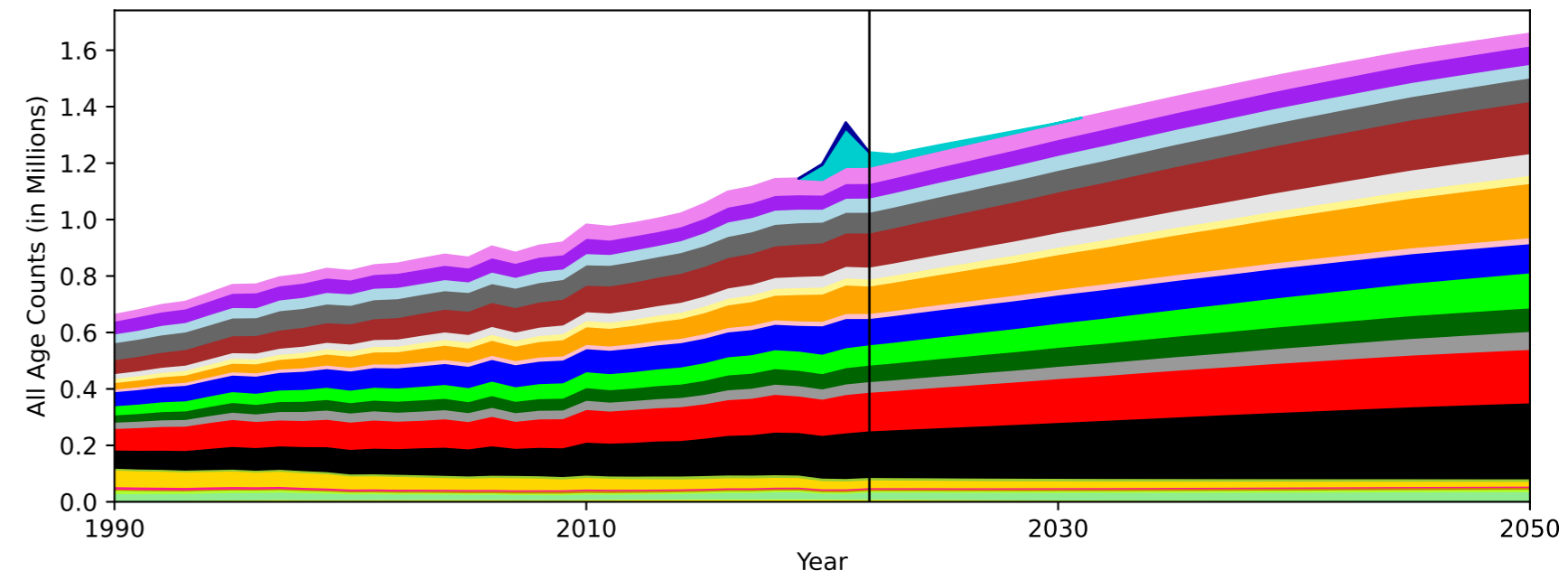
Level 2



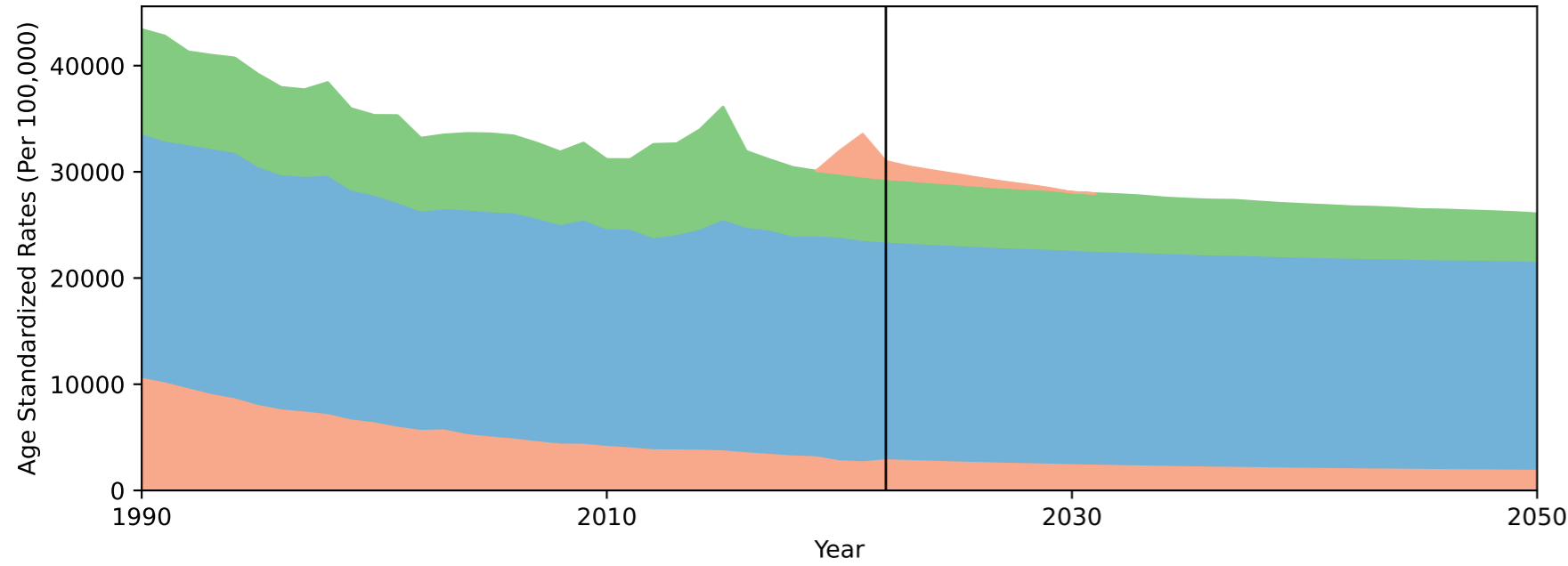
Level 1



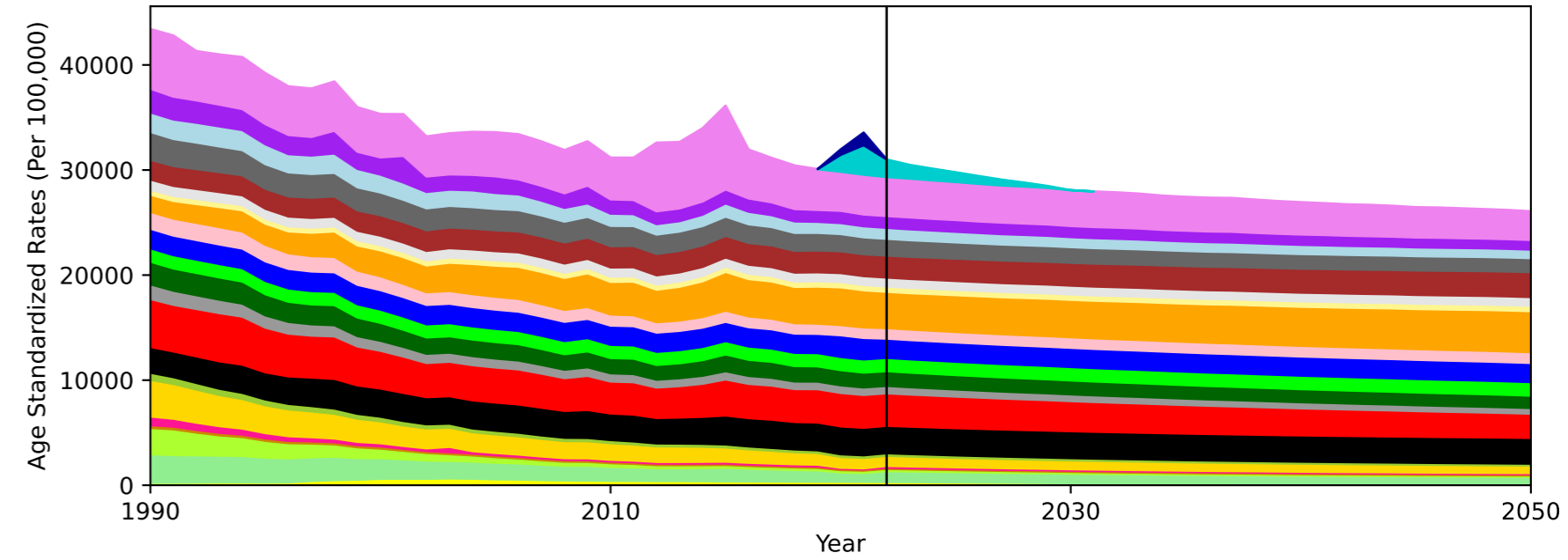
Level 2



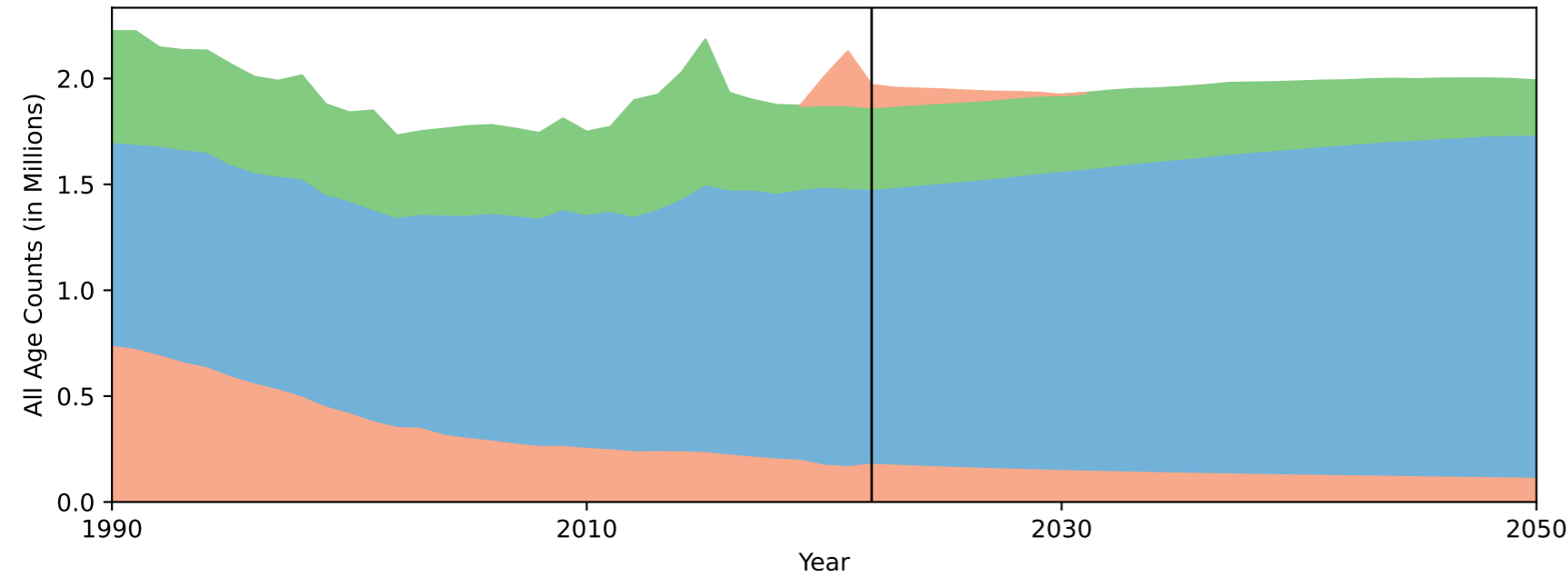
Level 1



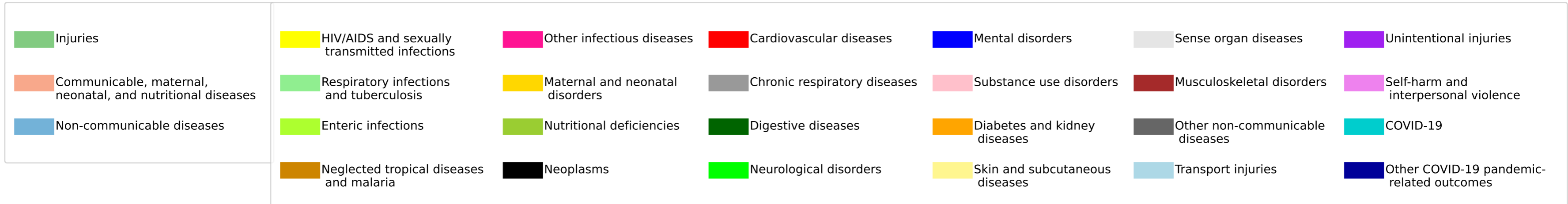
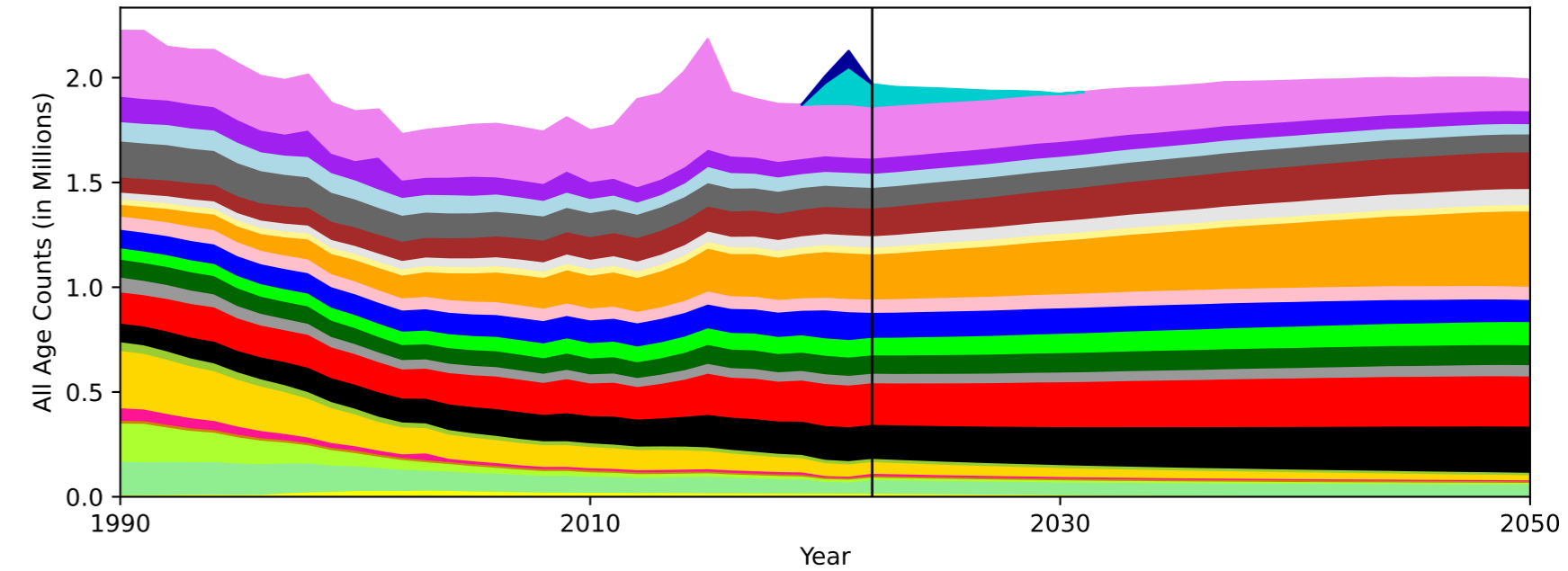
Level 2



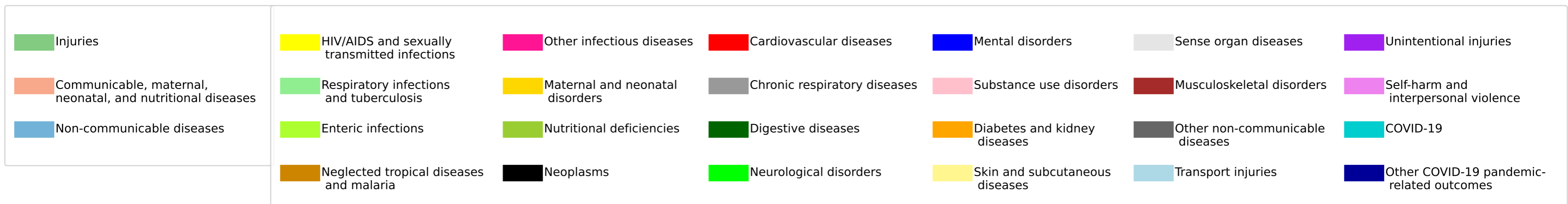
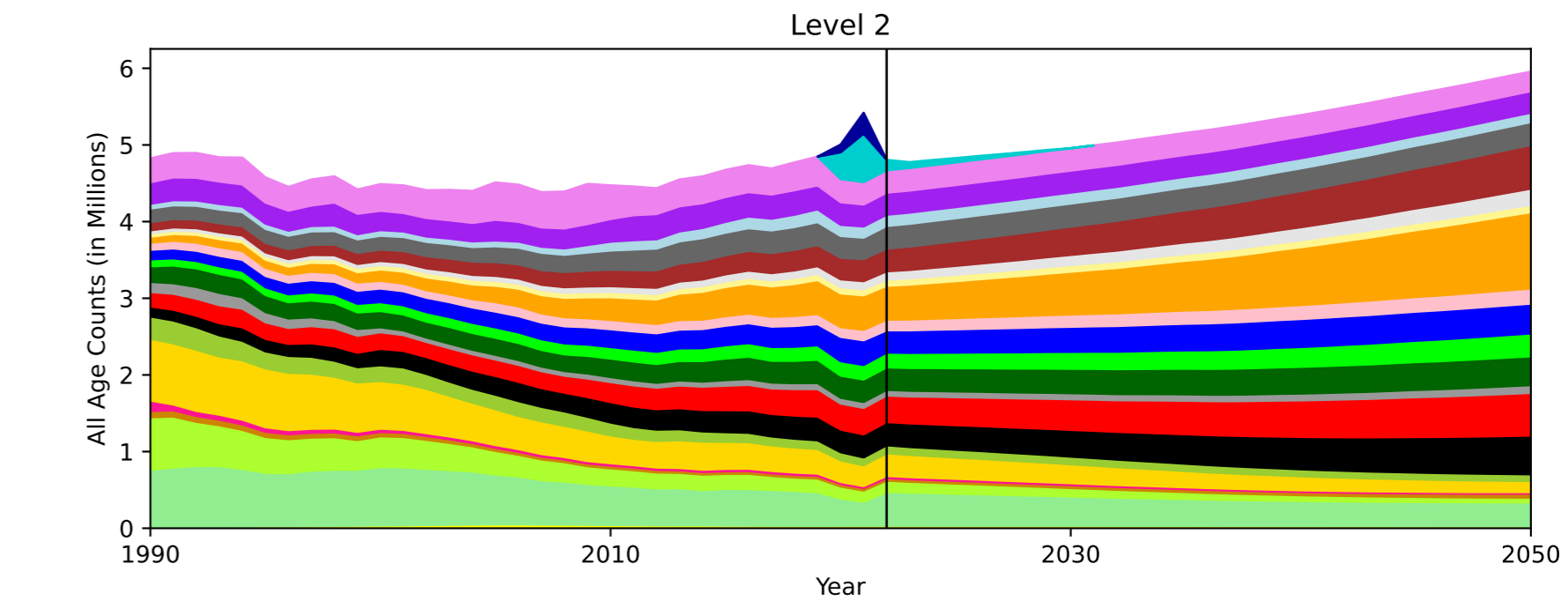
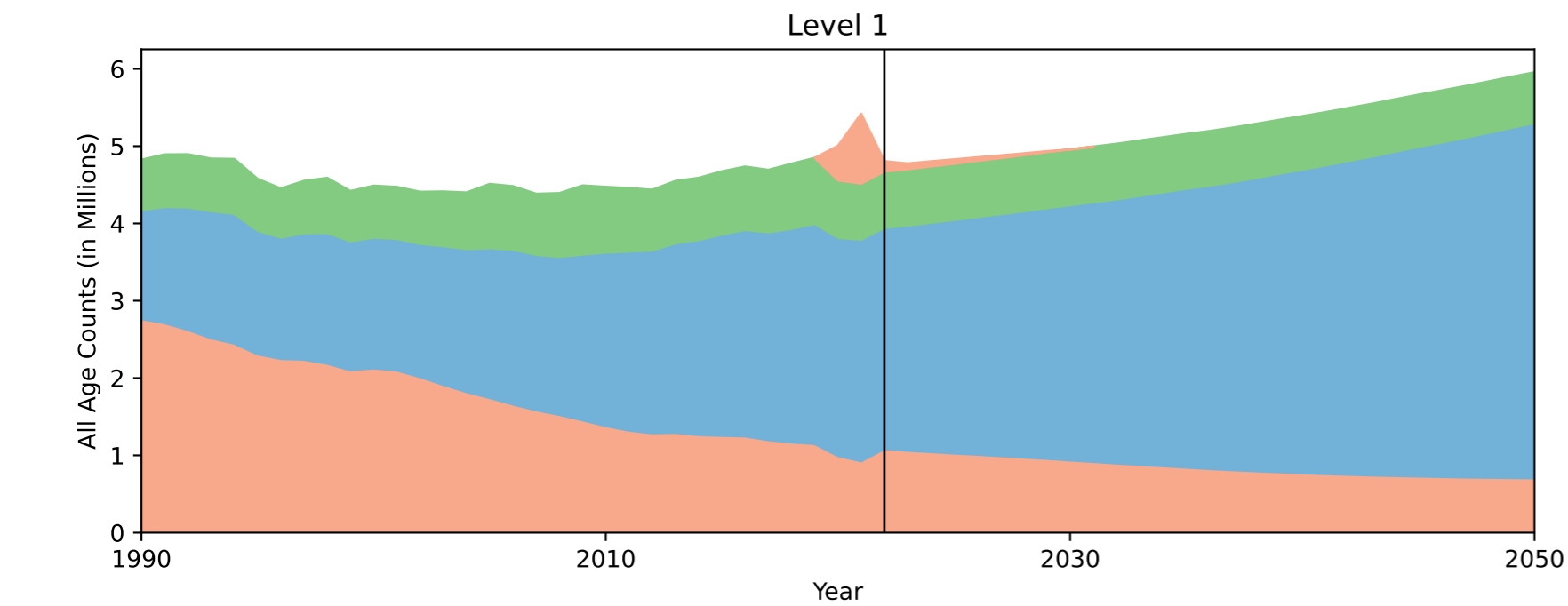
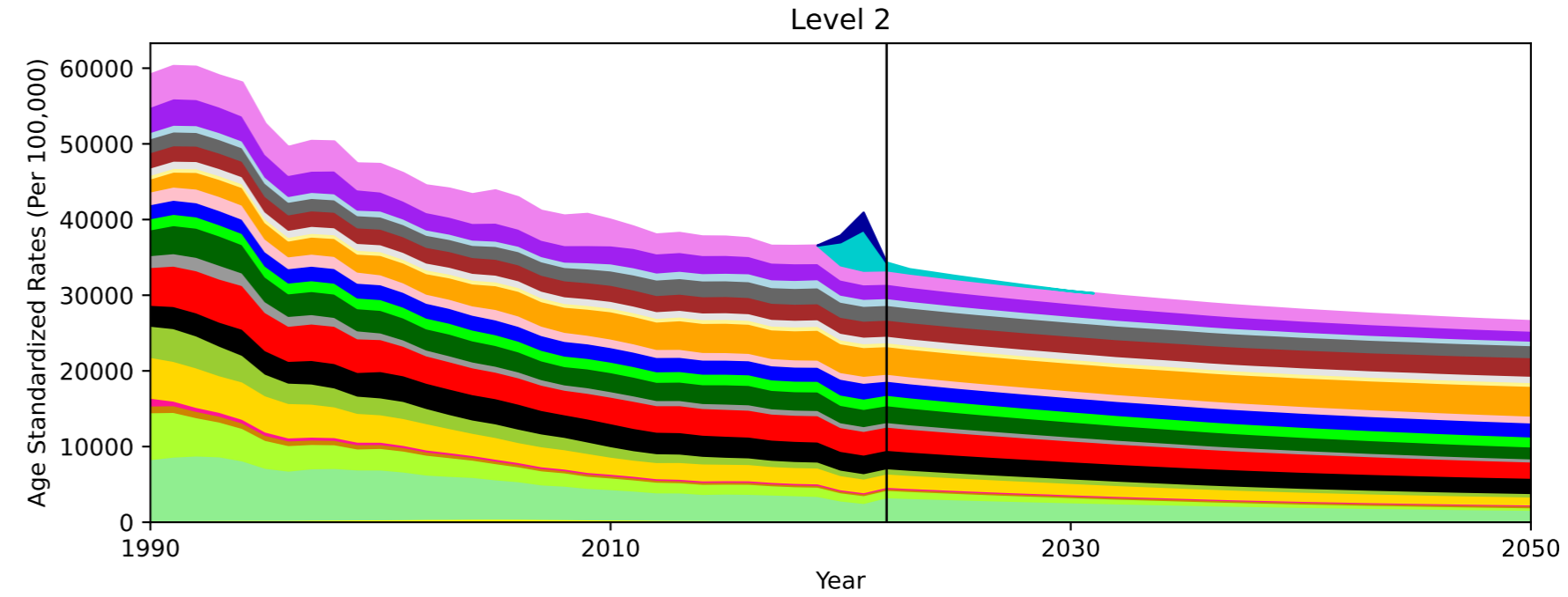
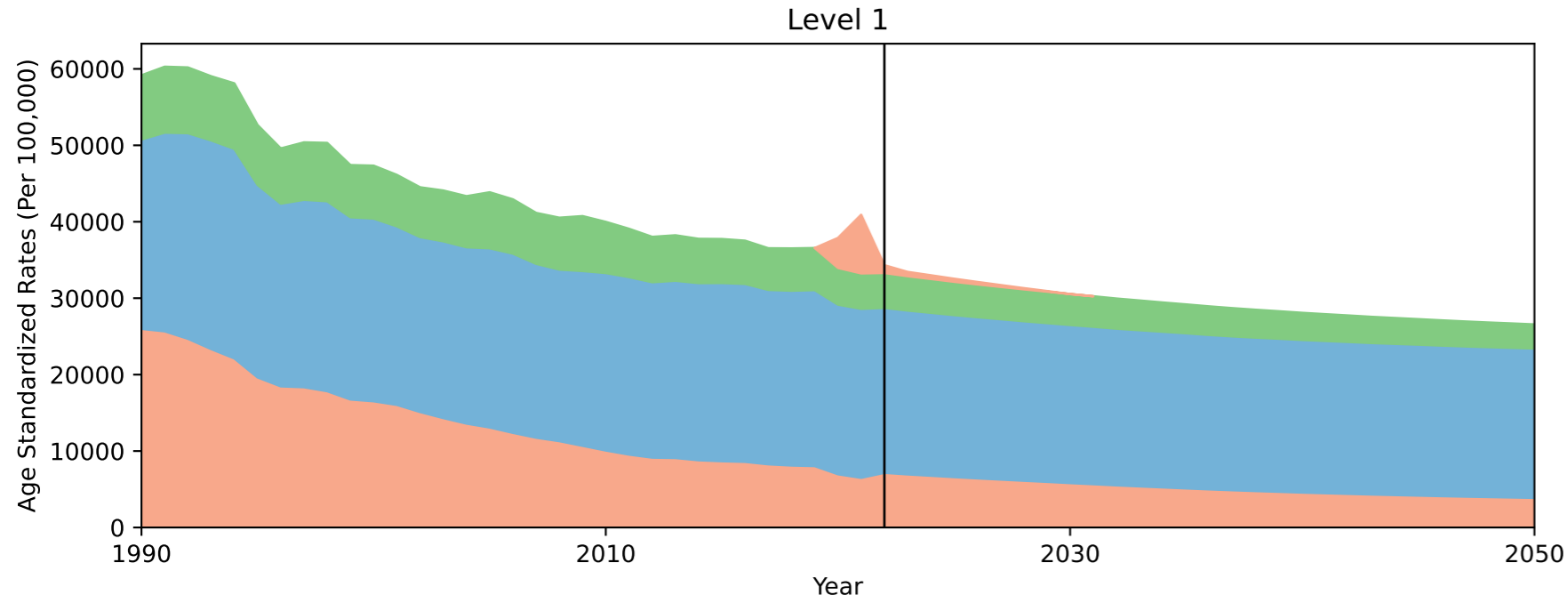
Level 1



Level 2



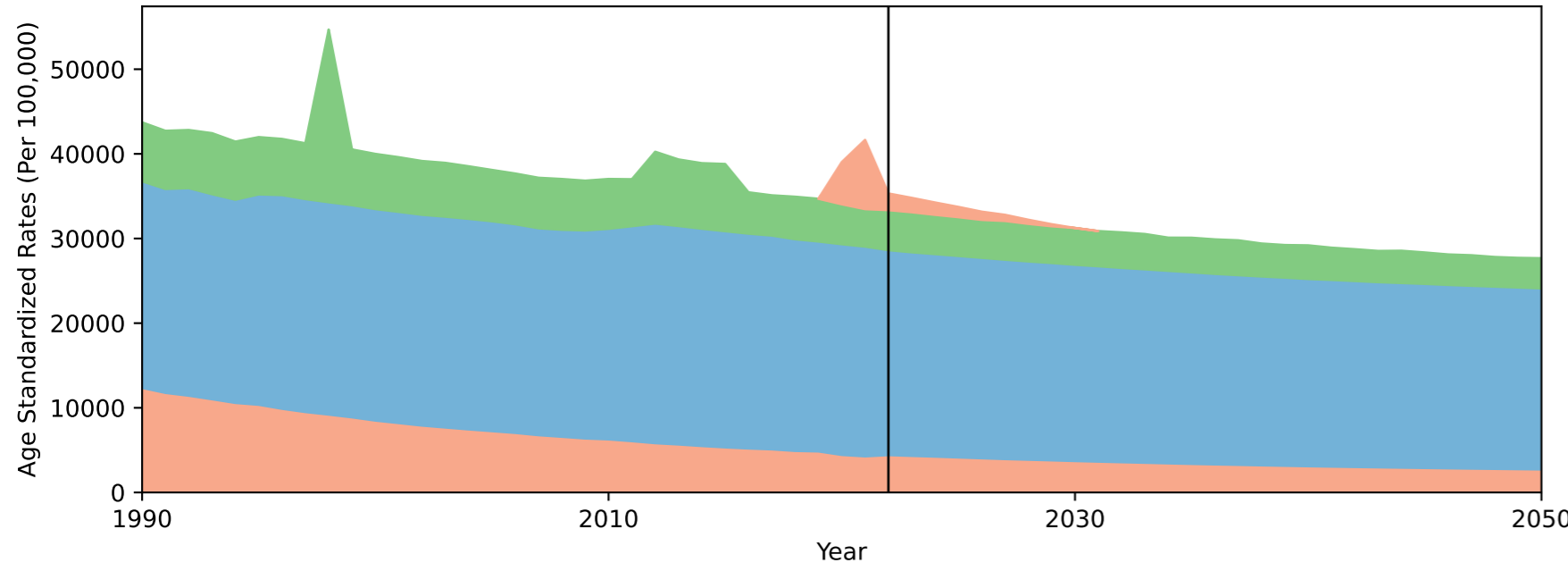
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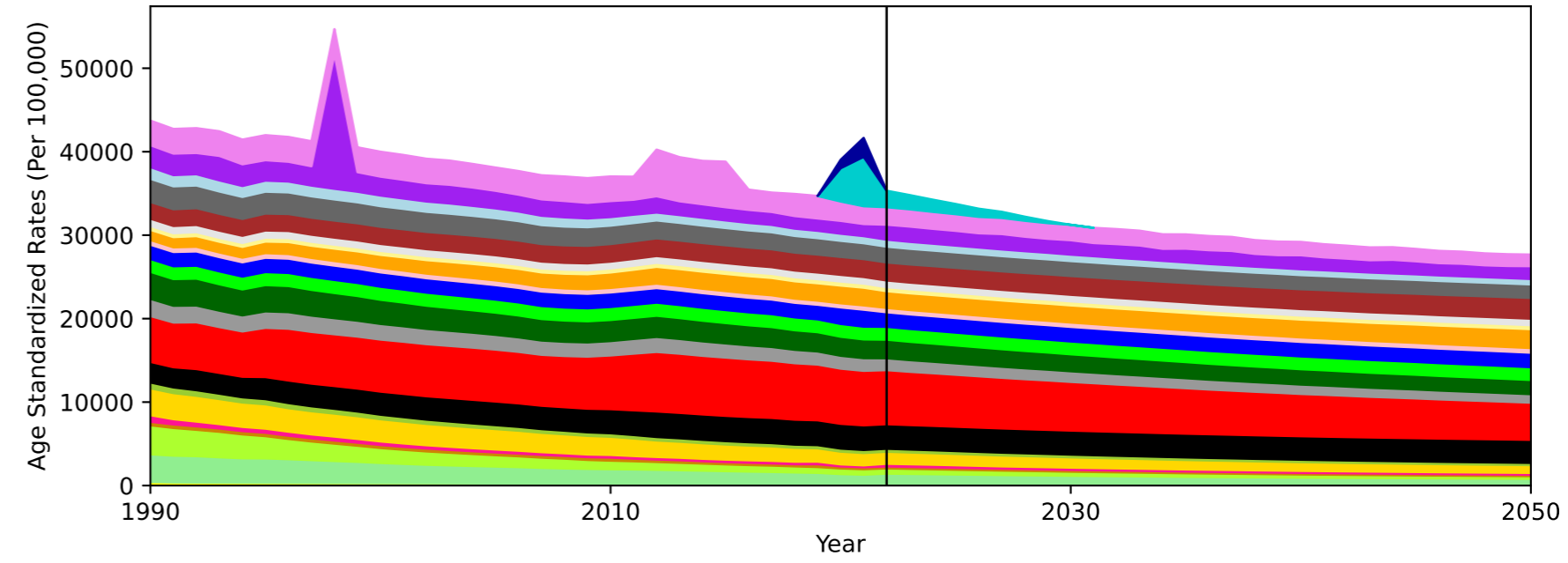


# Honduras

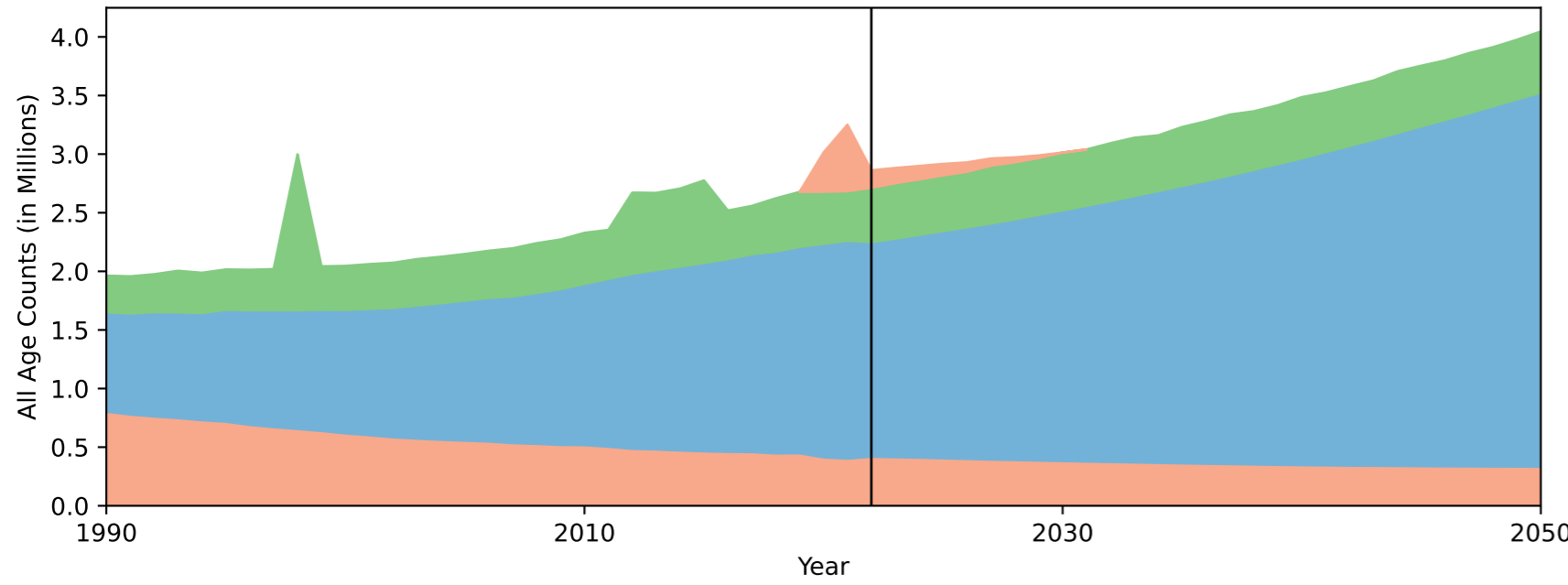
Level 1



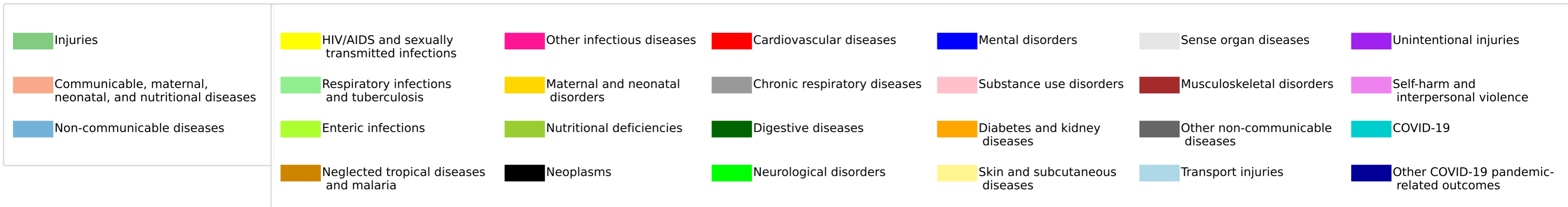
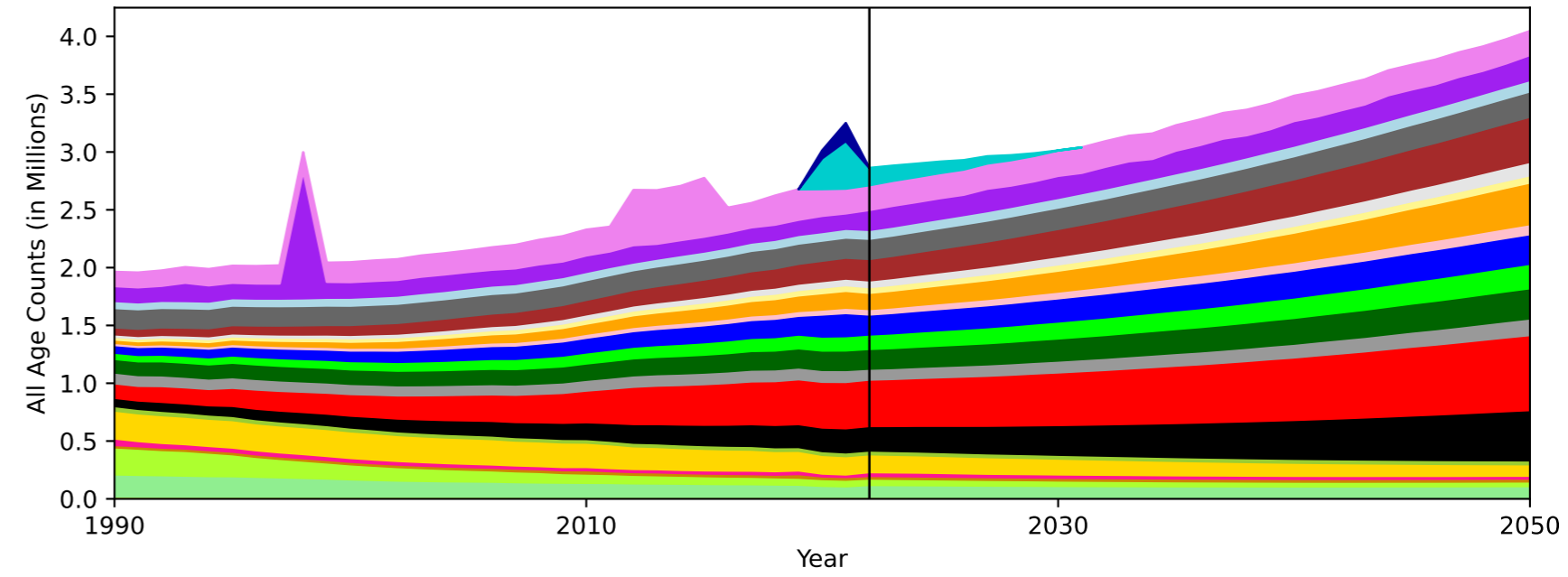
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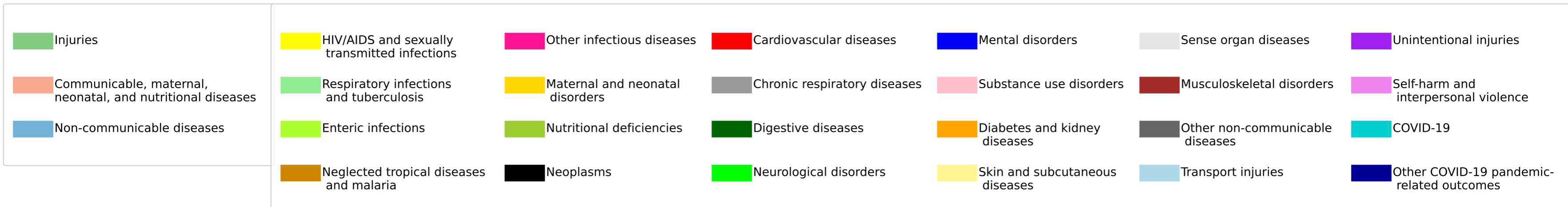
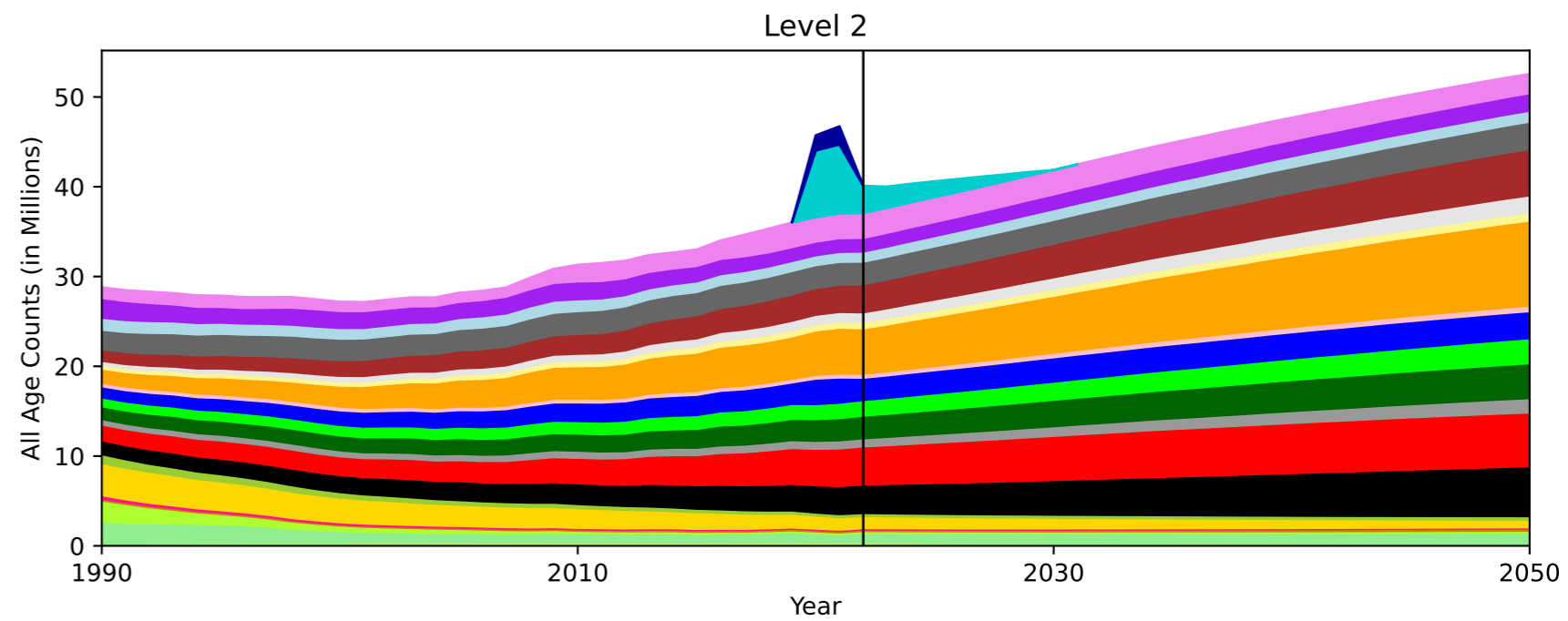
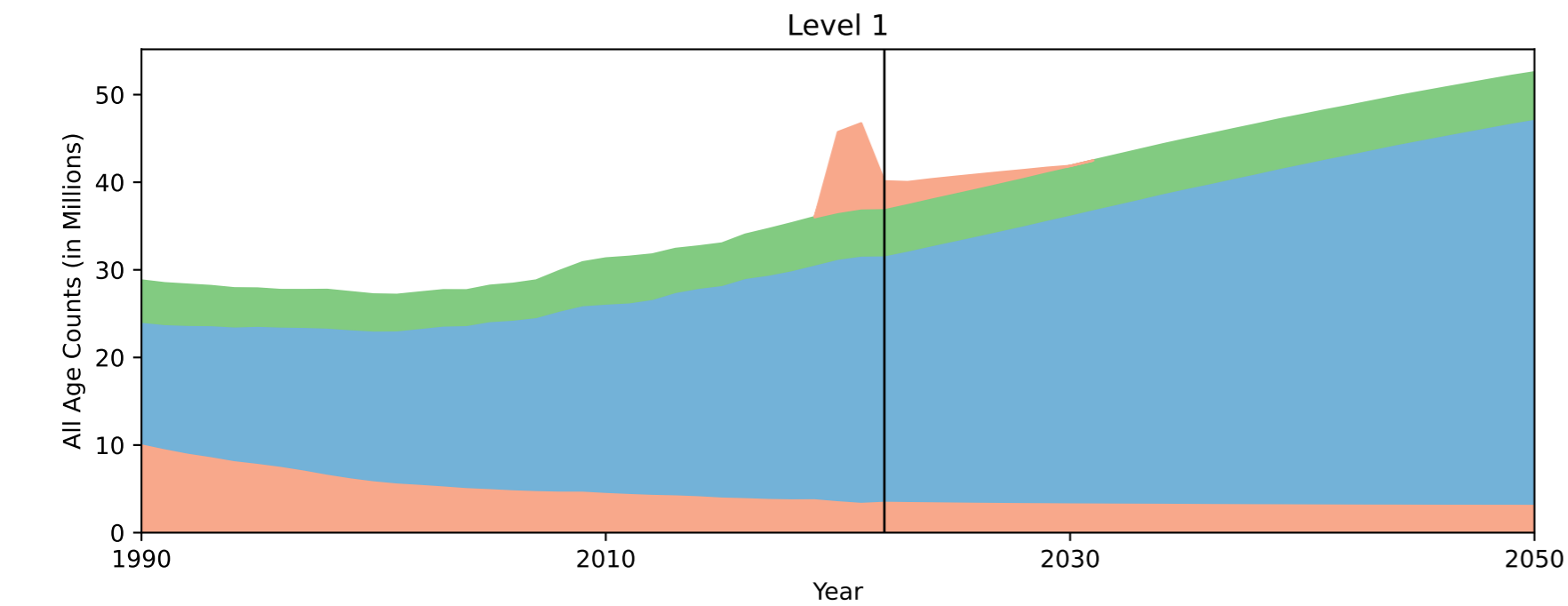
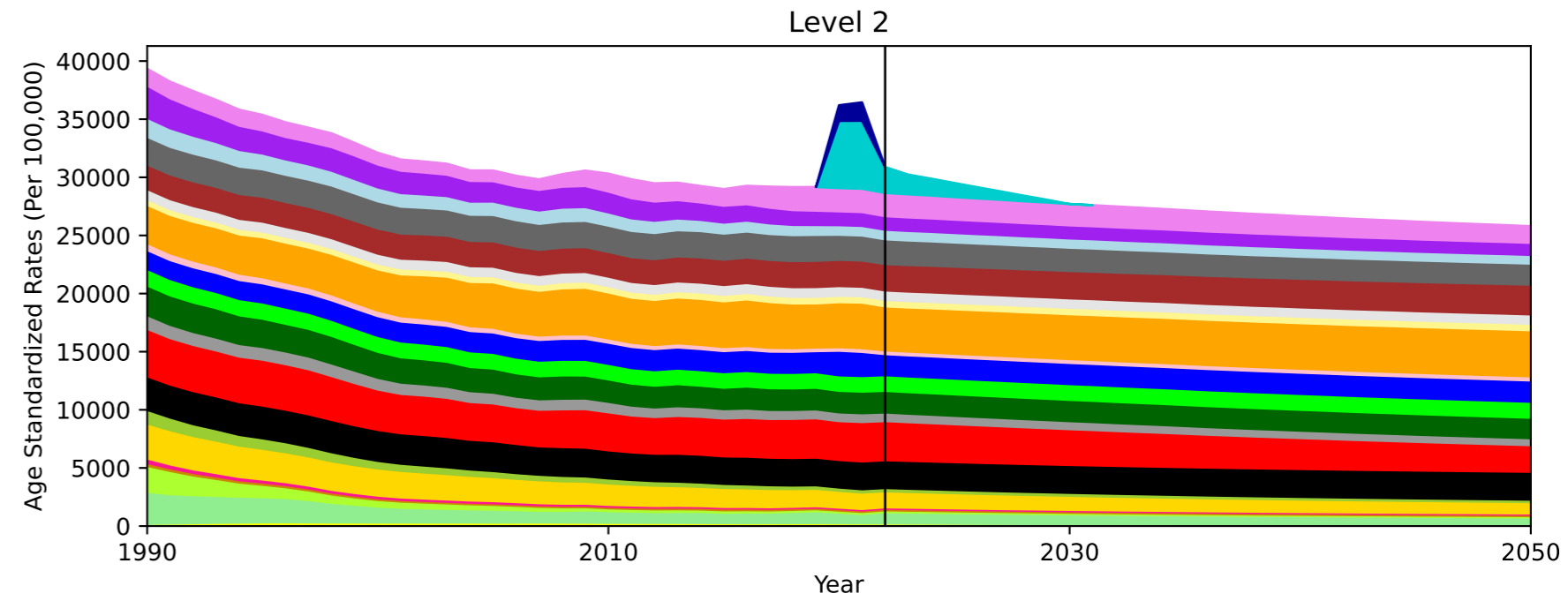
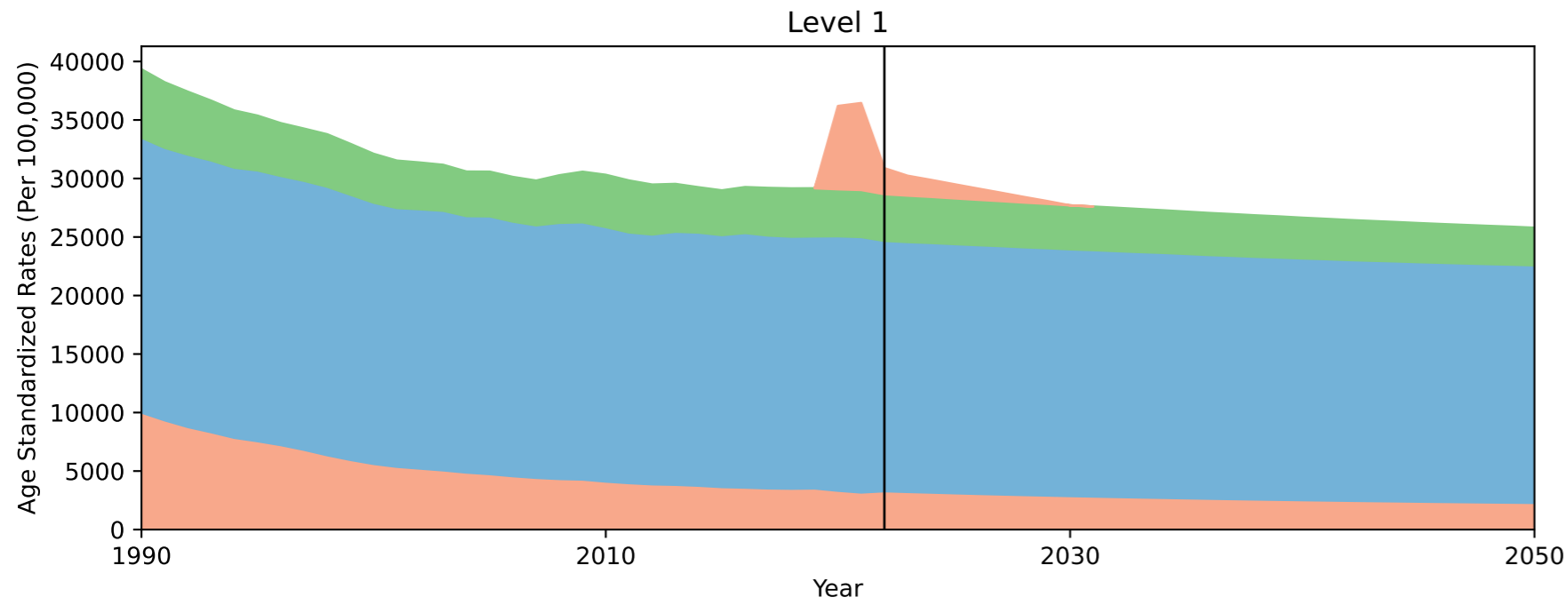
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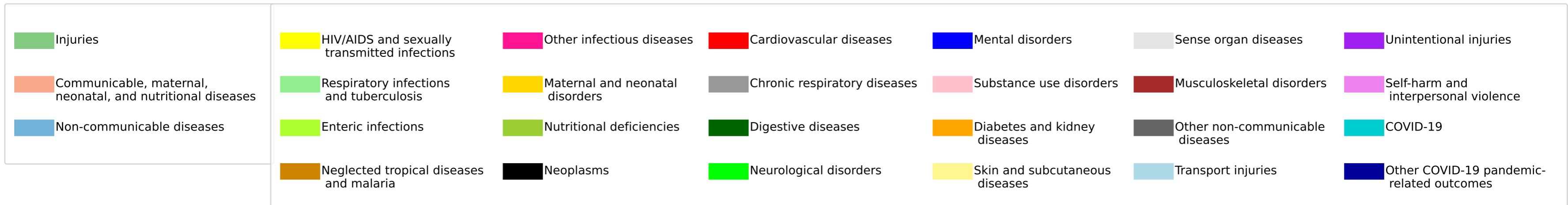
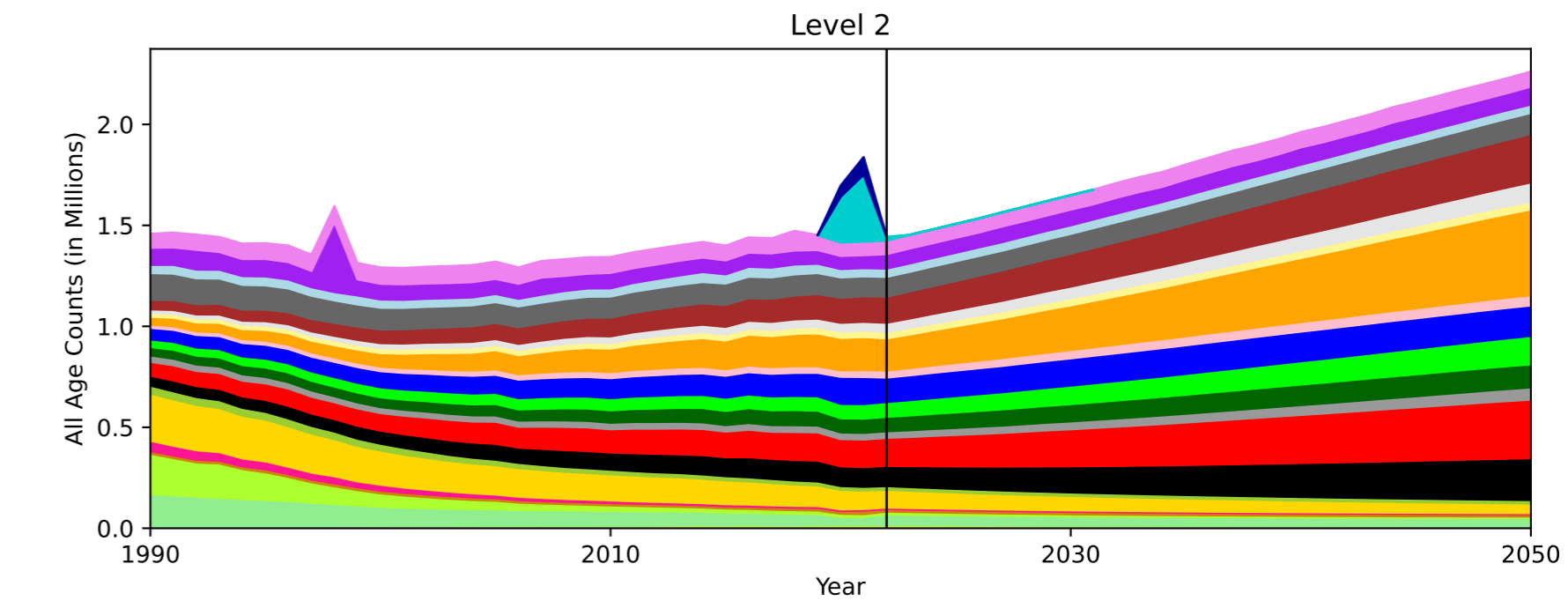
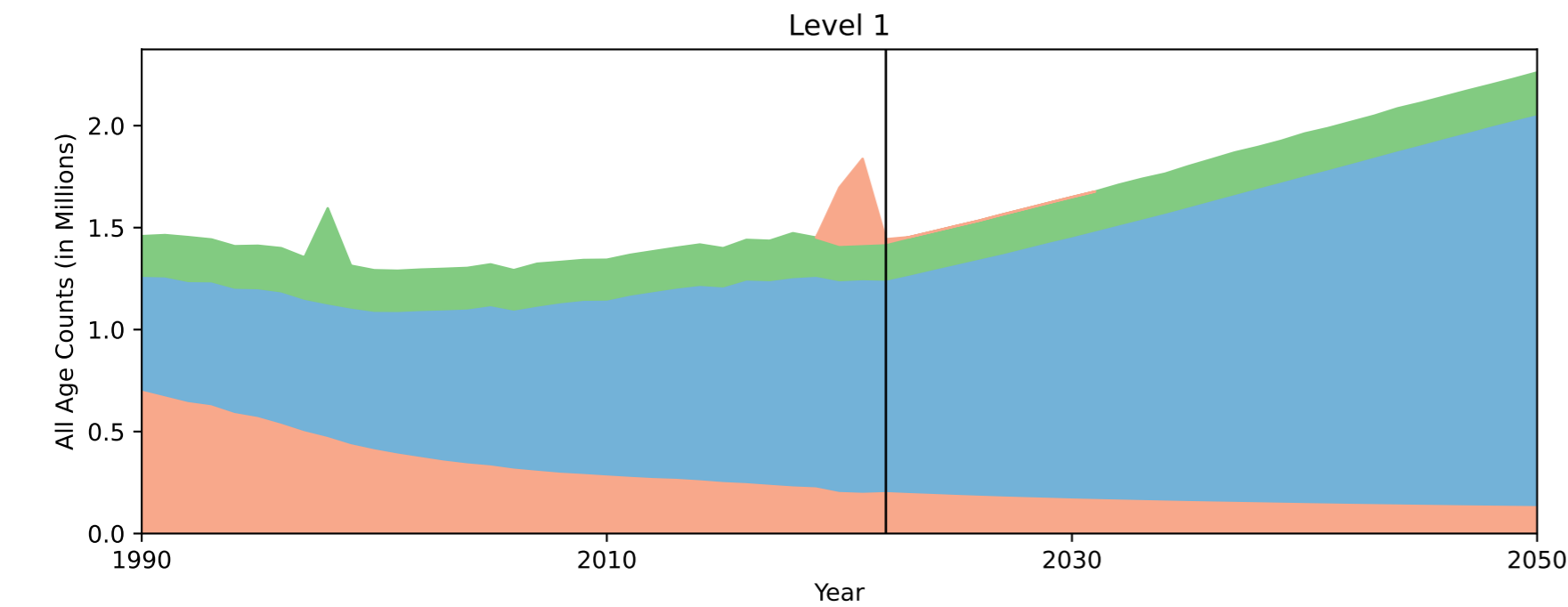
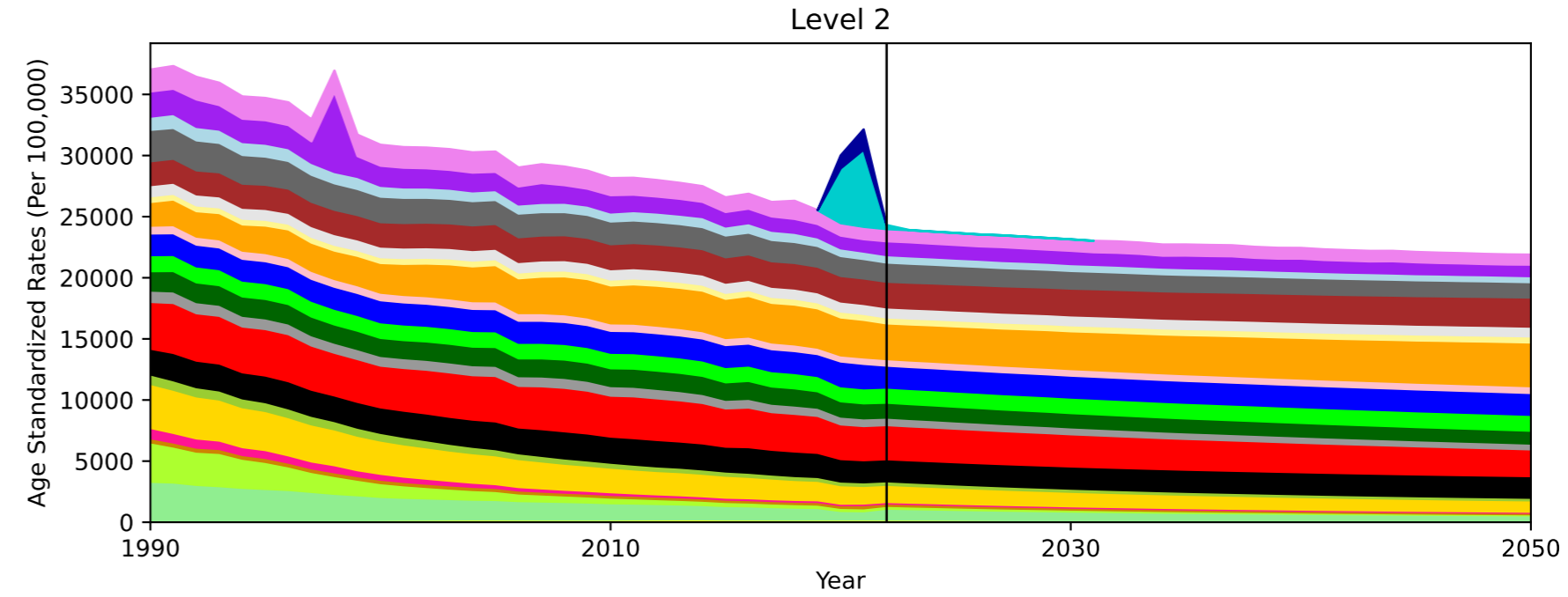
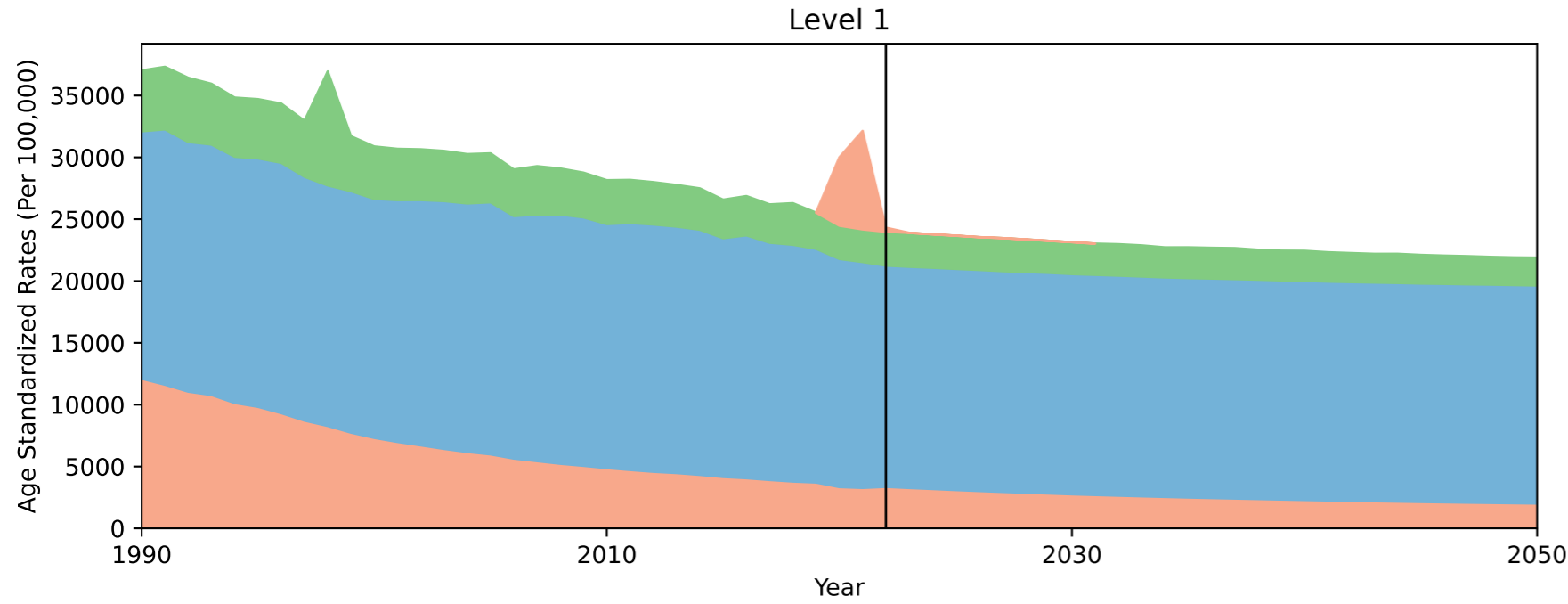
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# Mexico

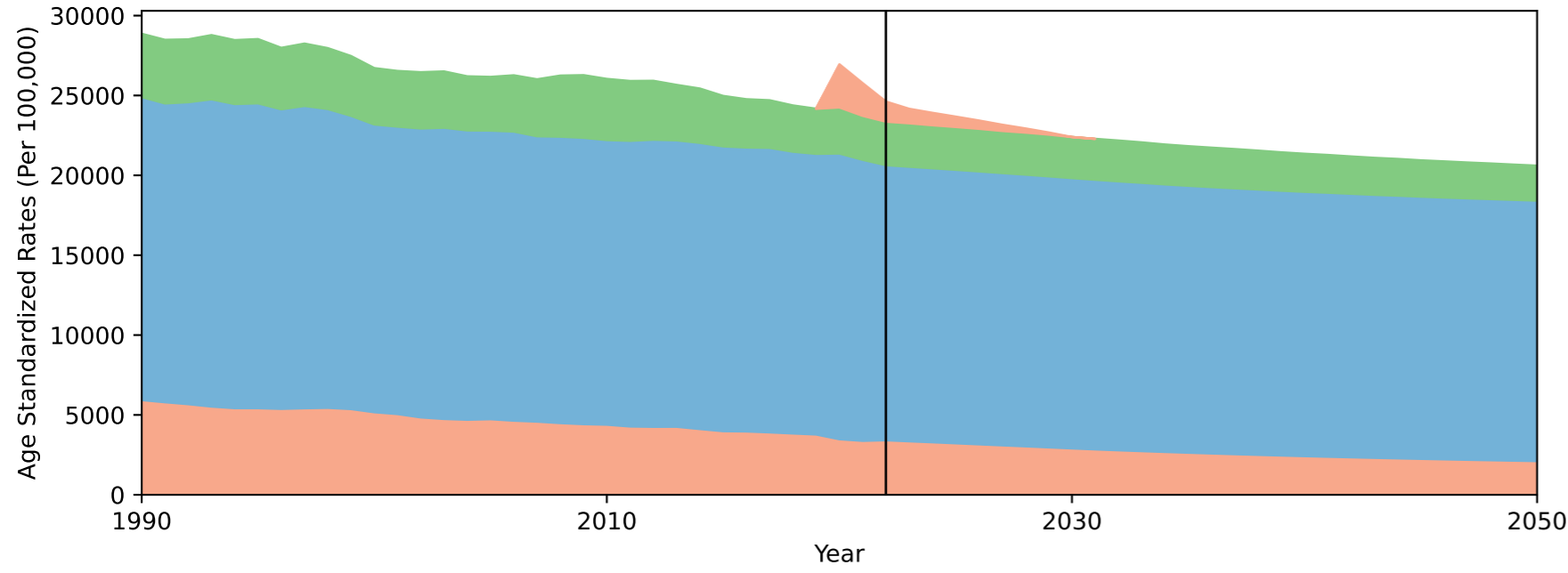


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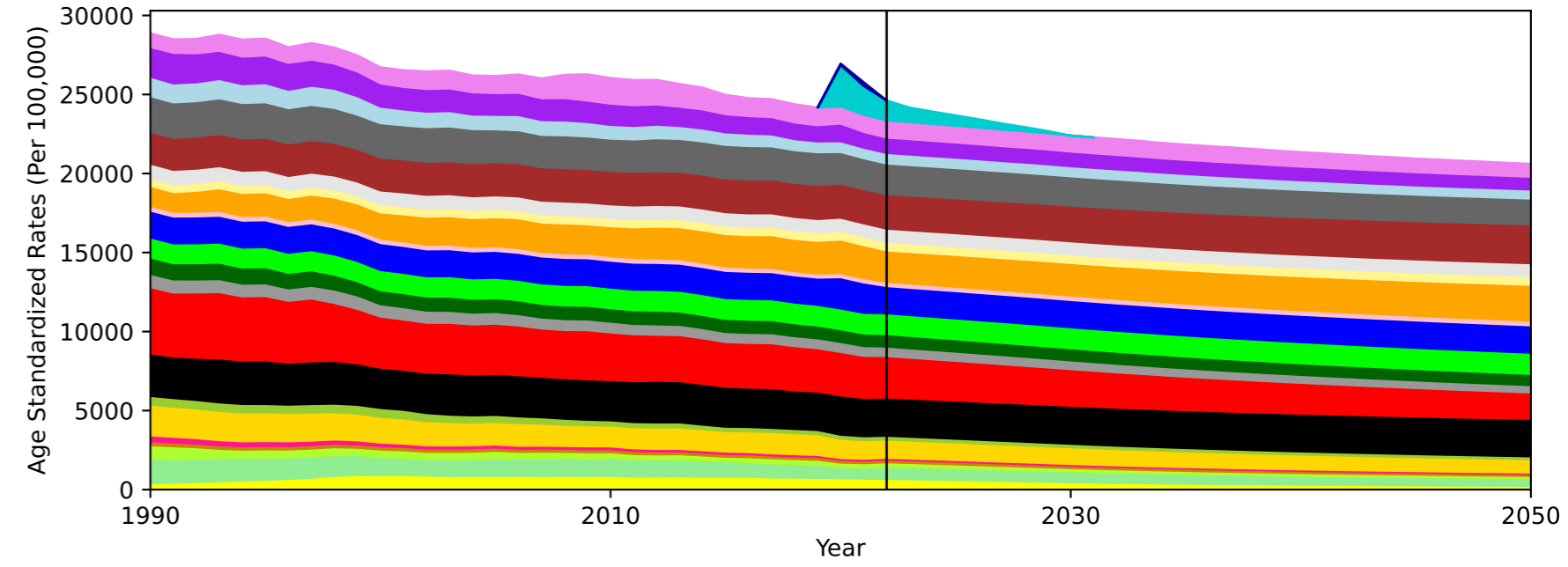


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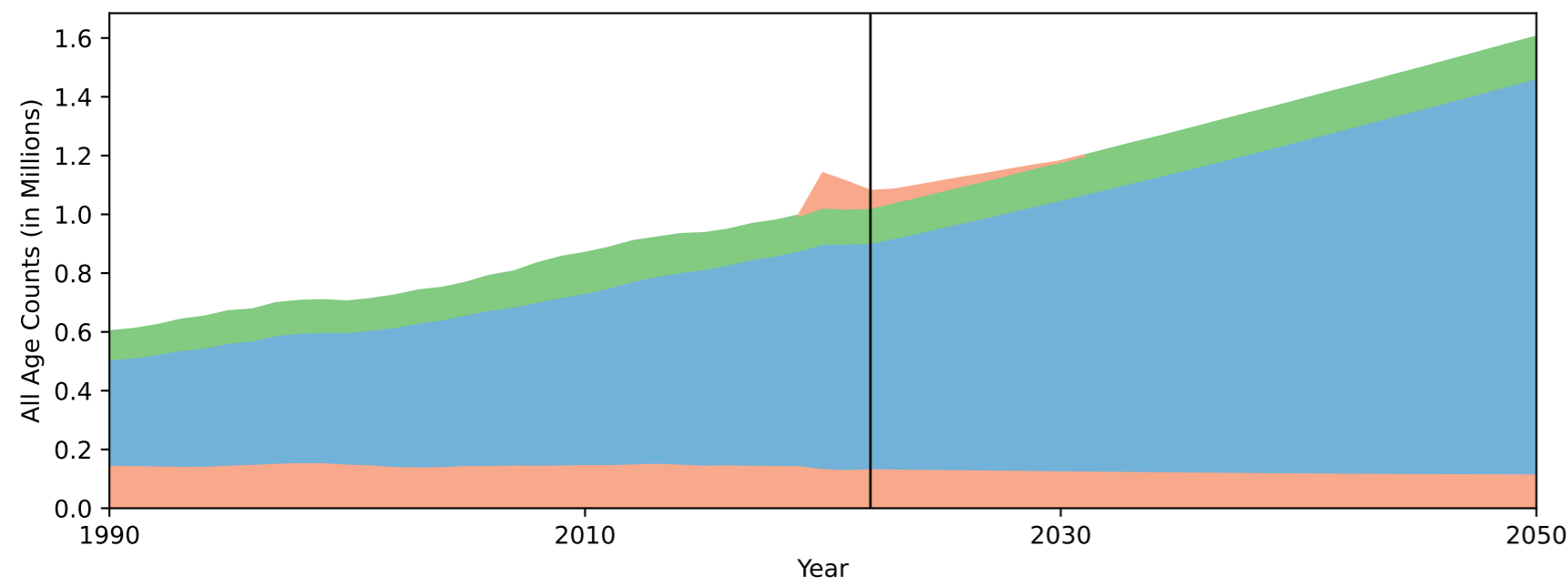
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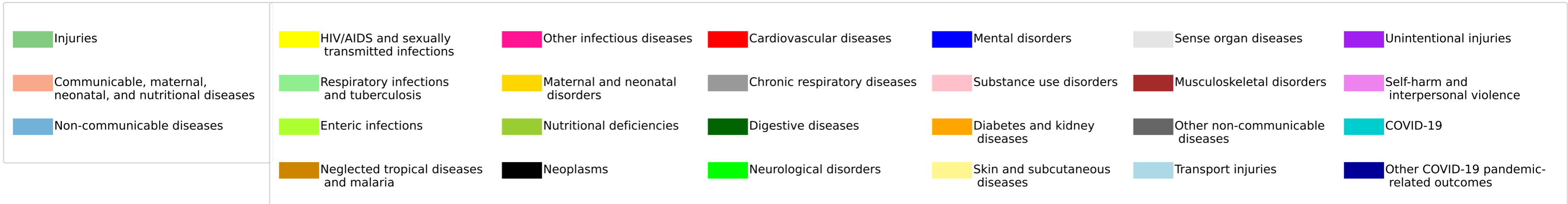
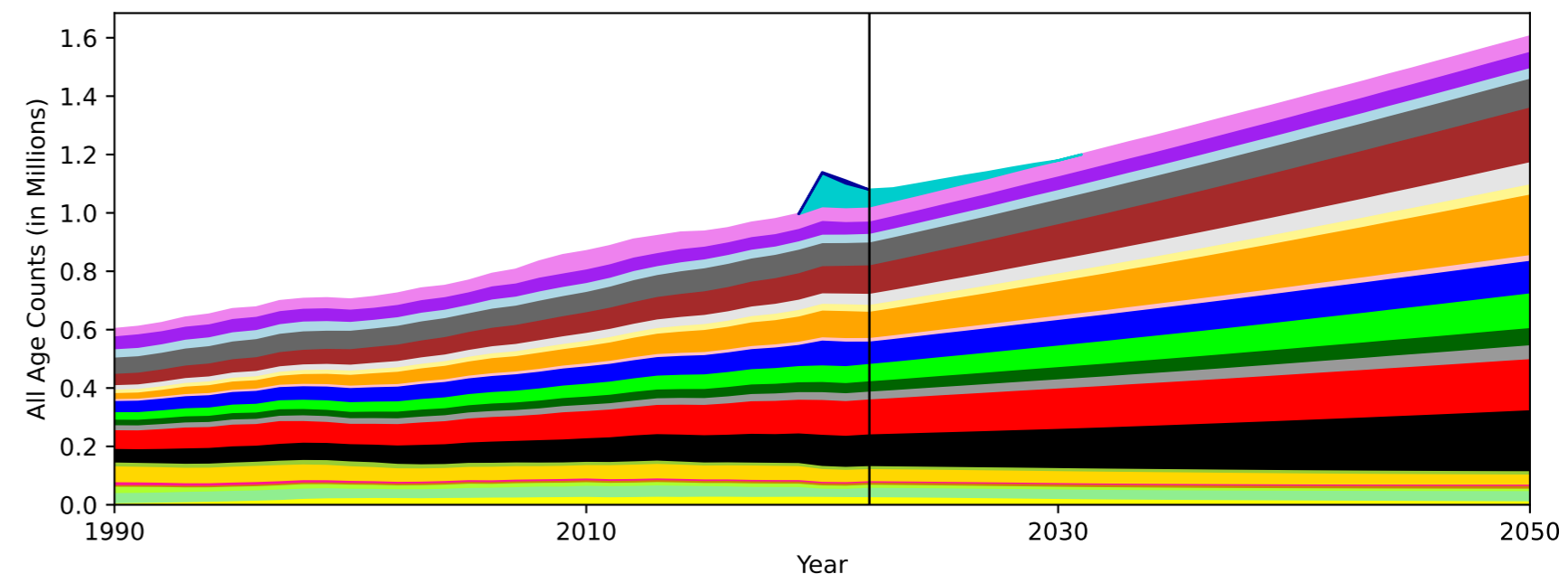
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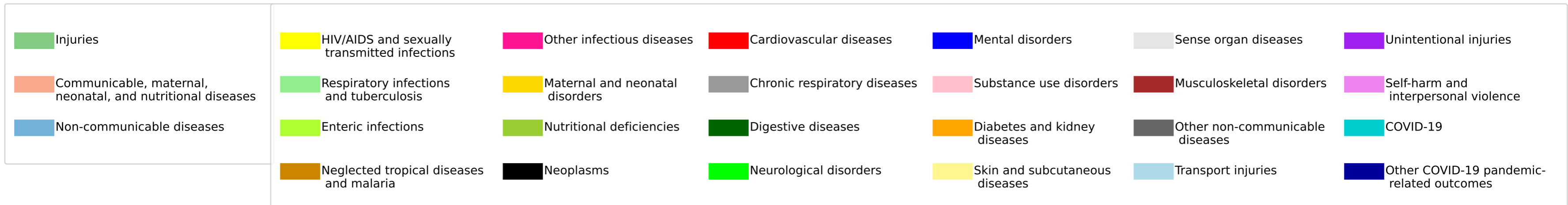
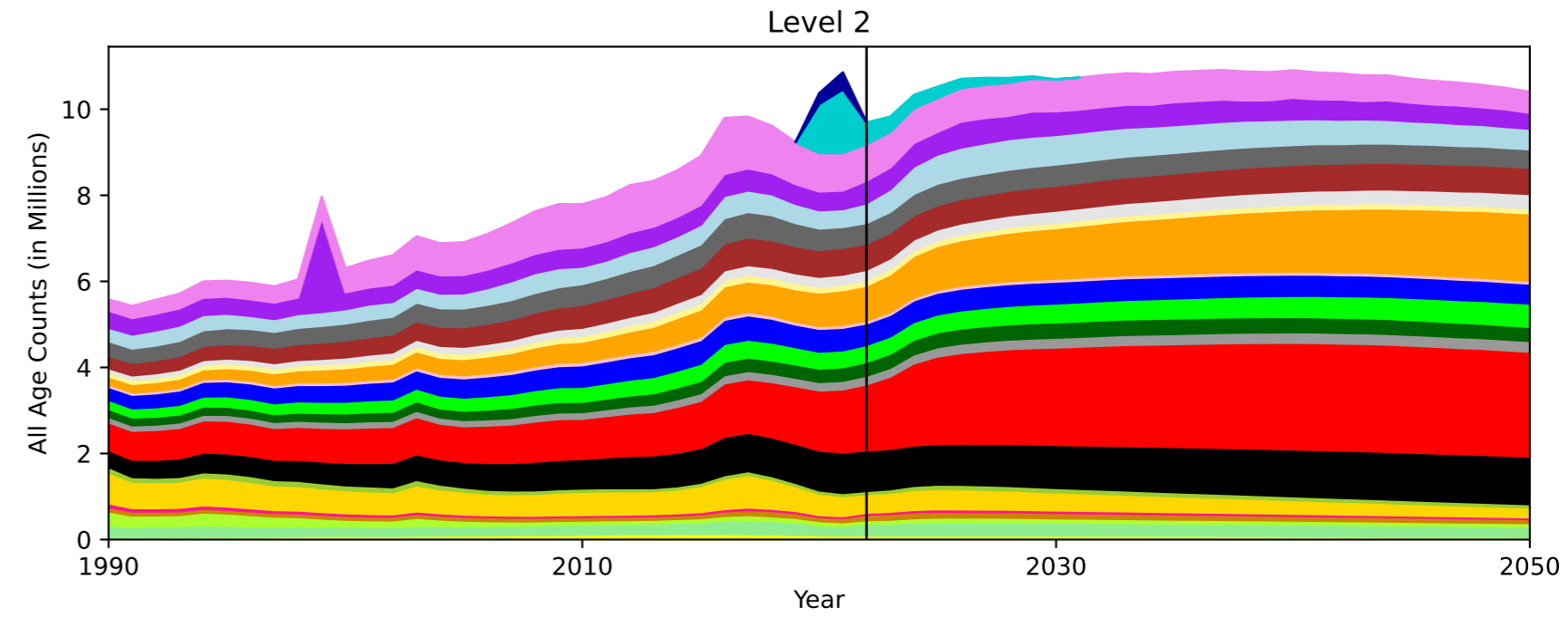
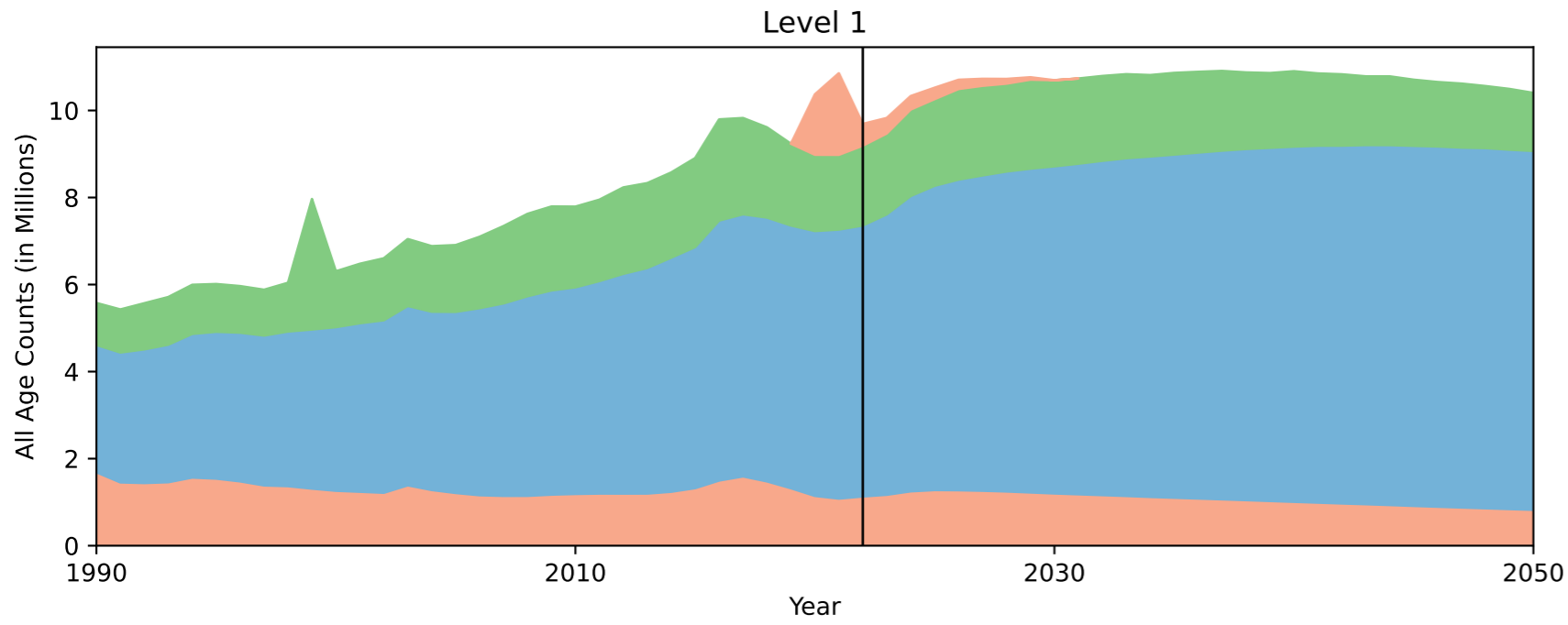
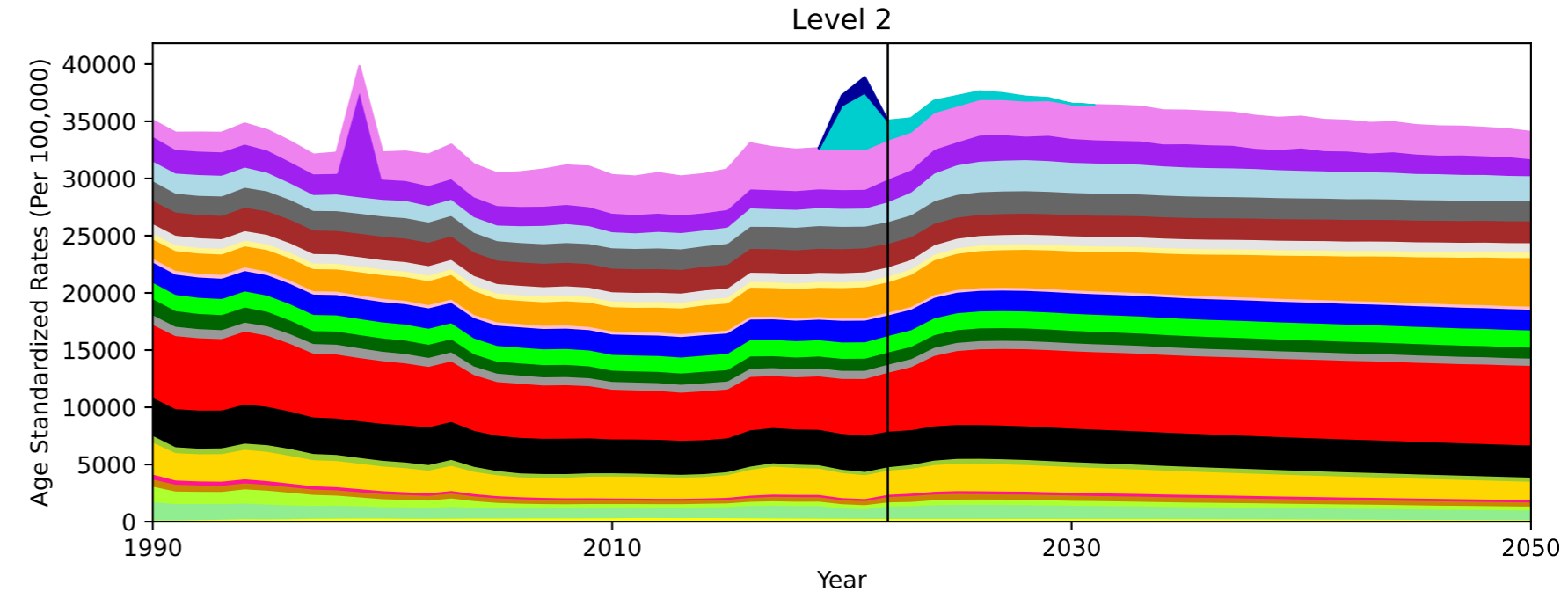
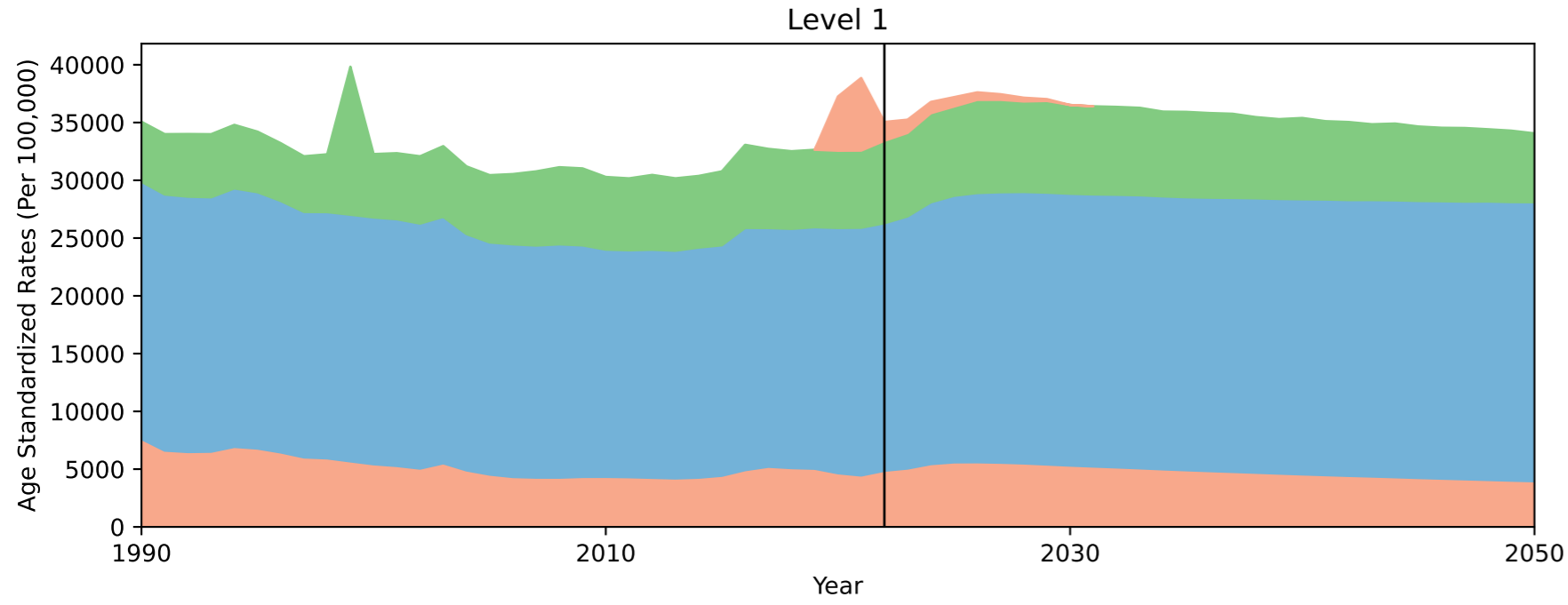
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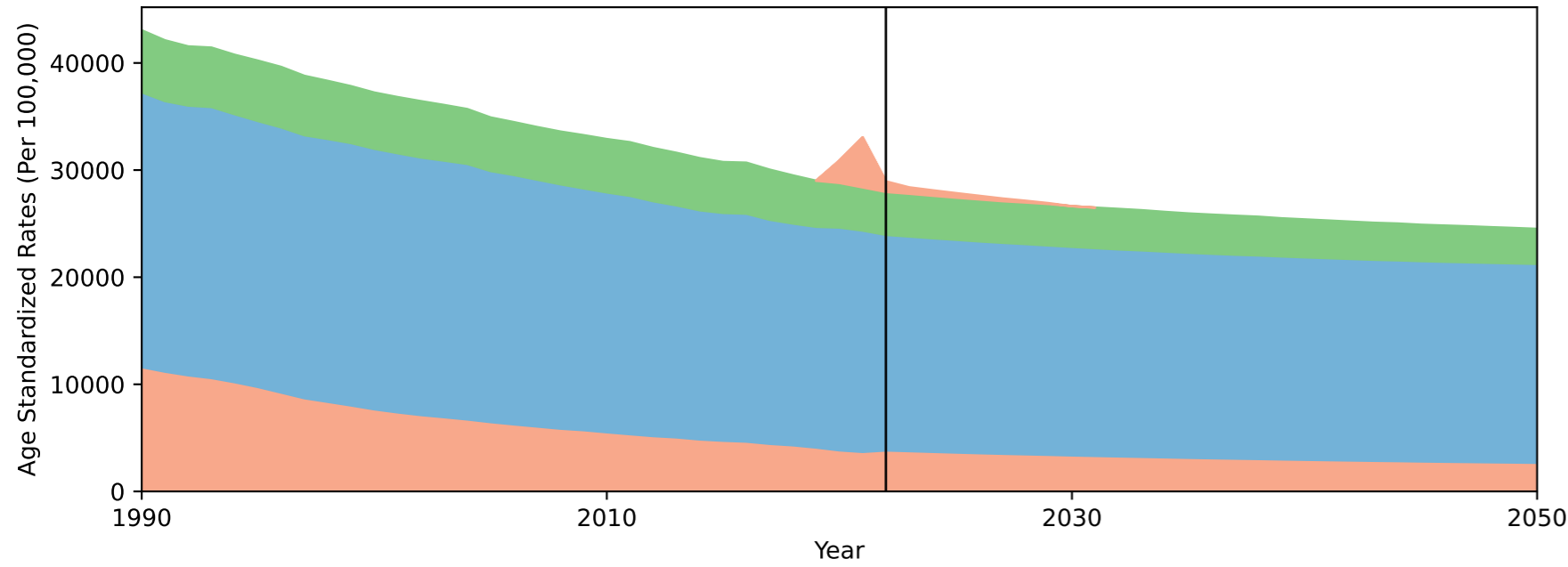


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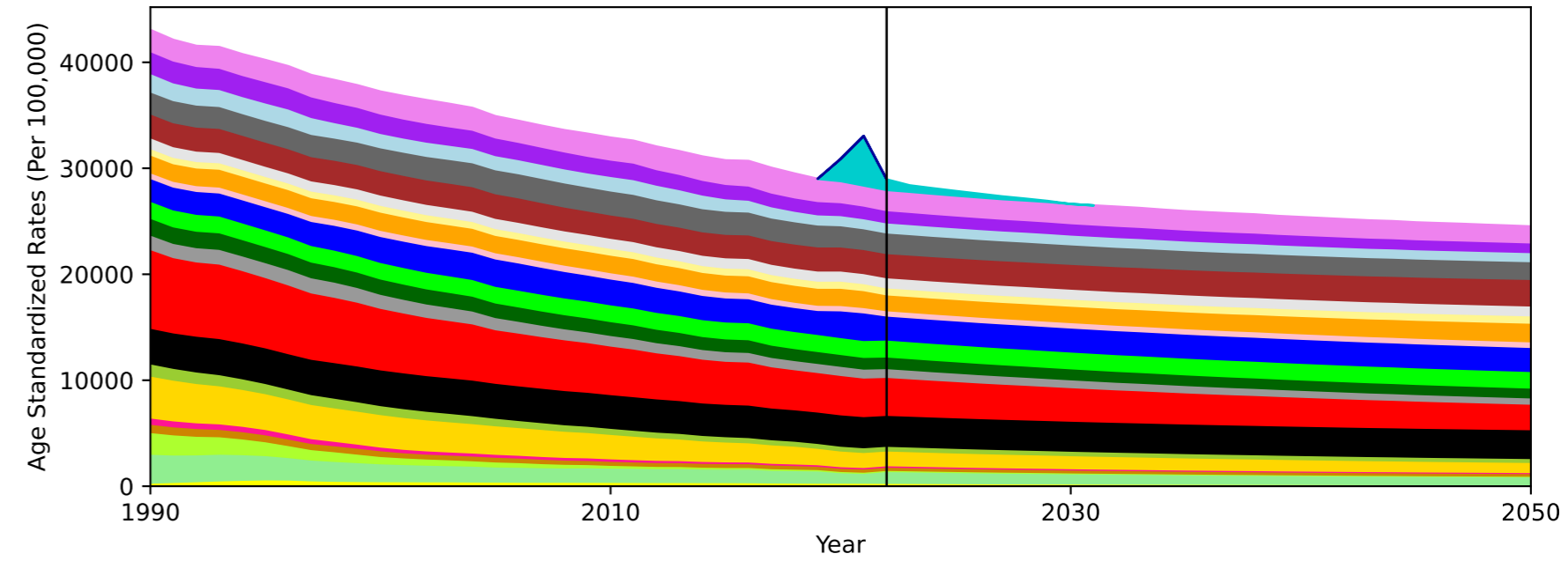


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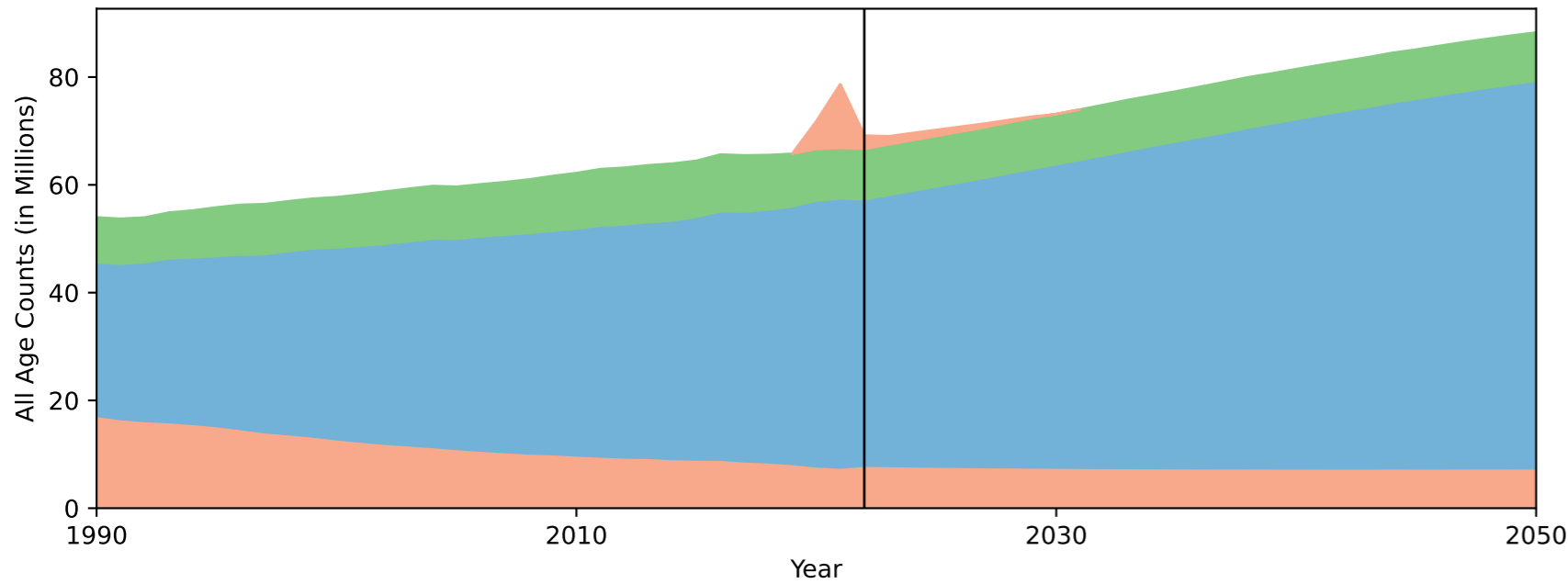
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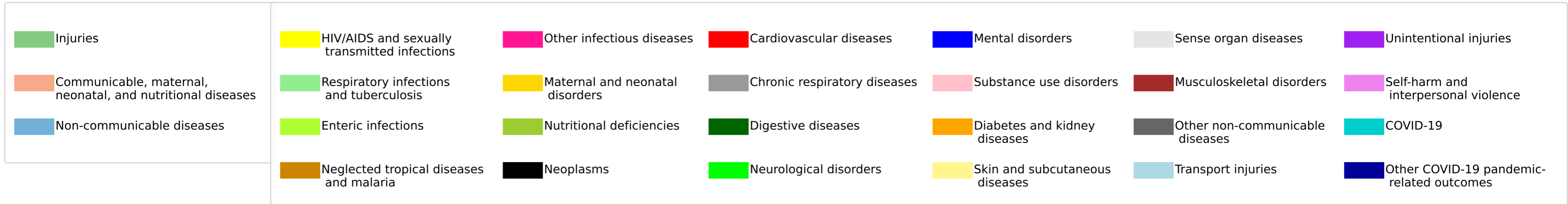
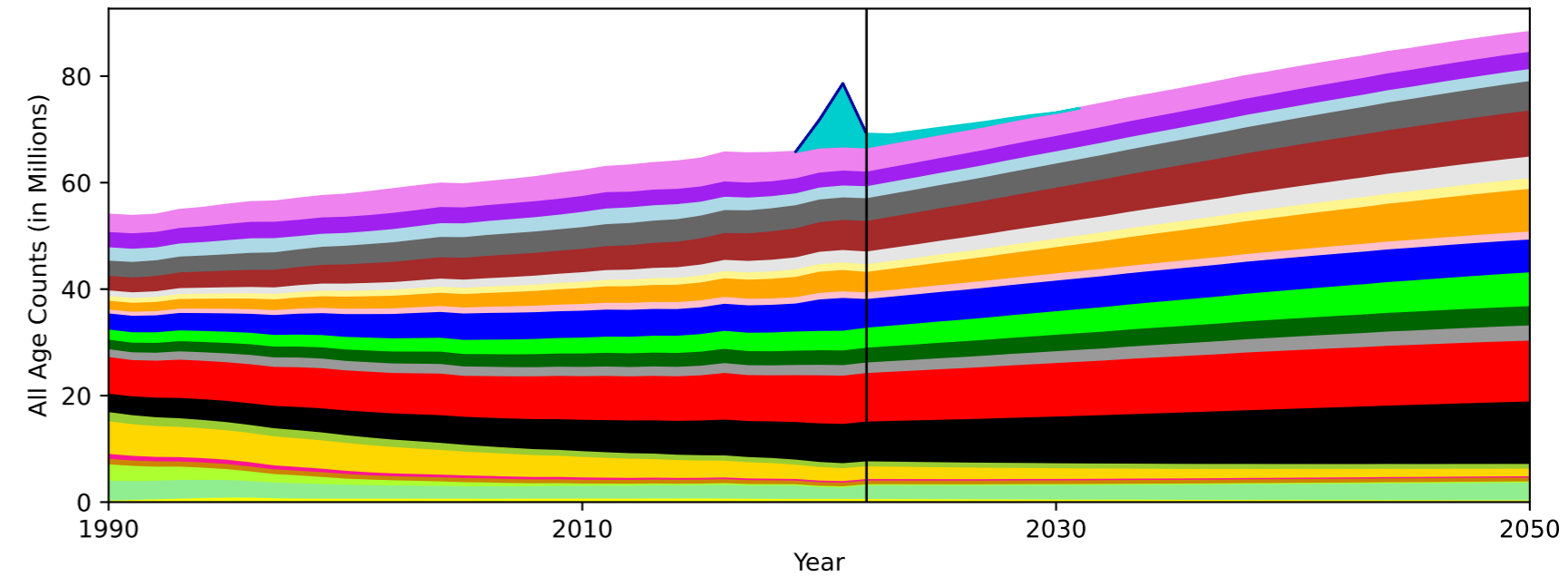
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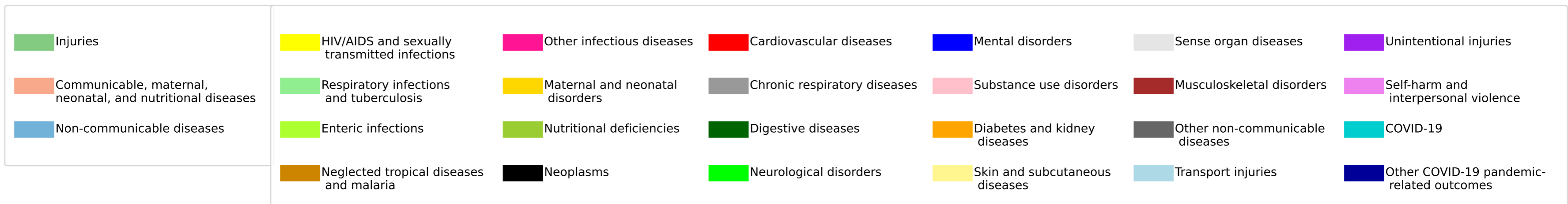
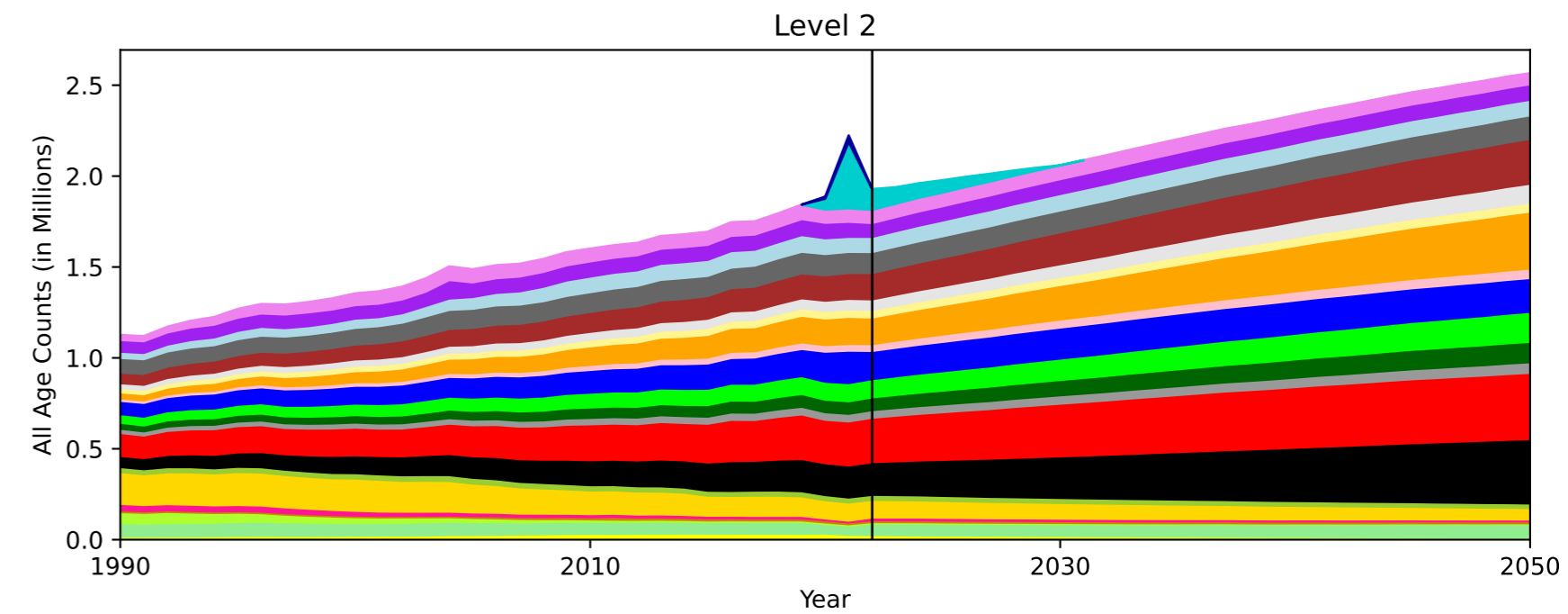
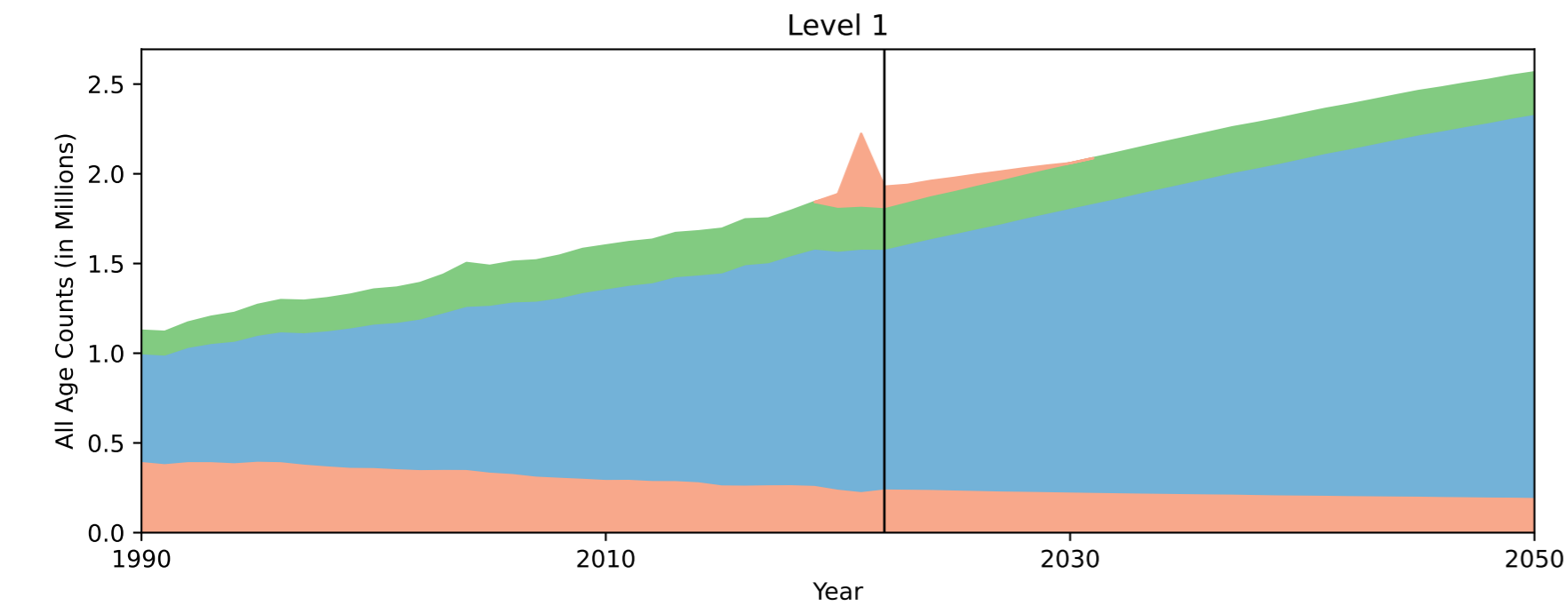
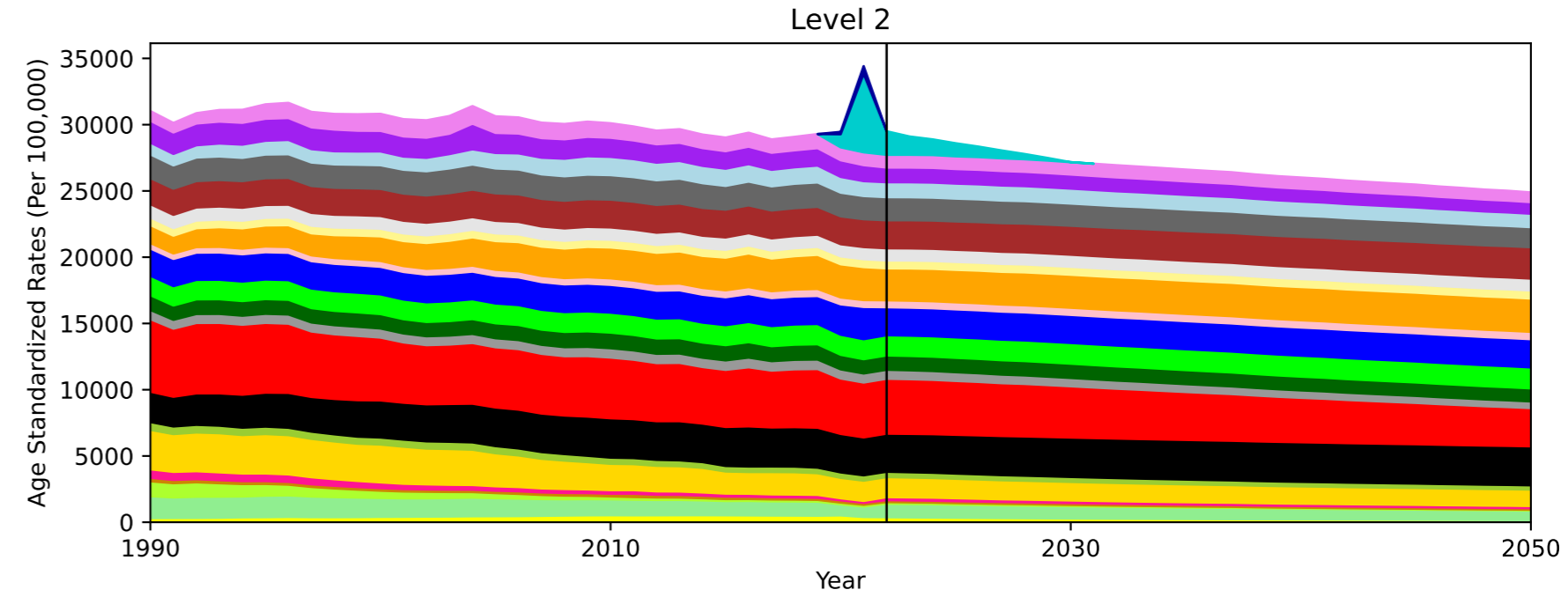
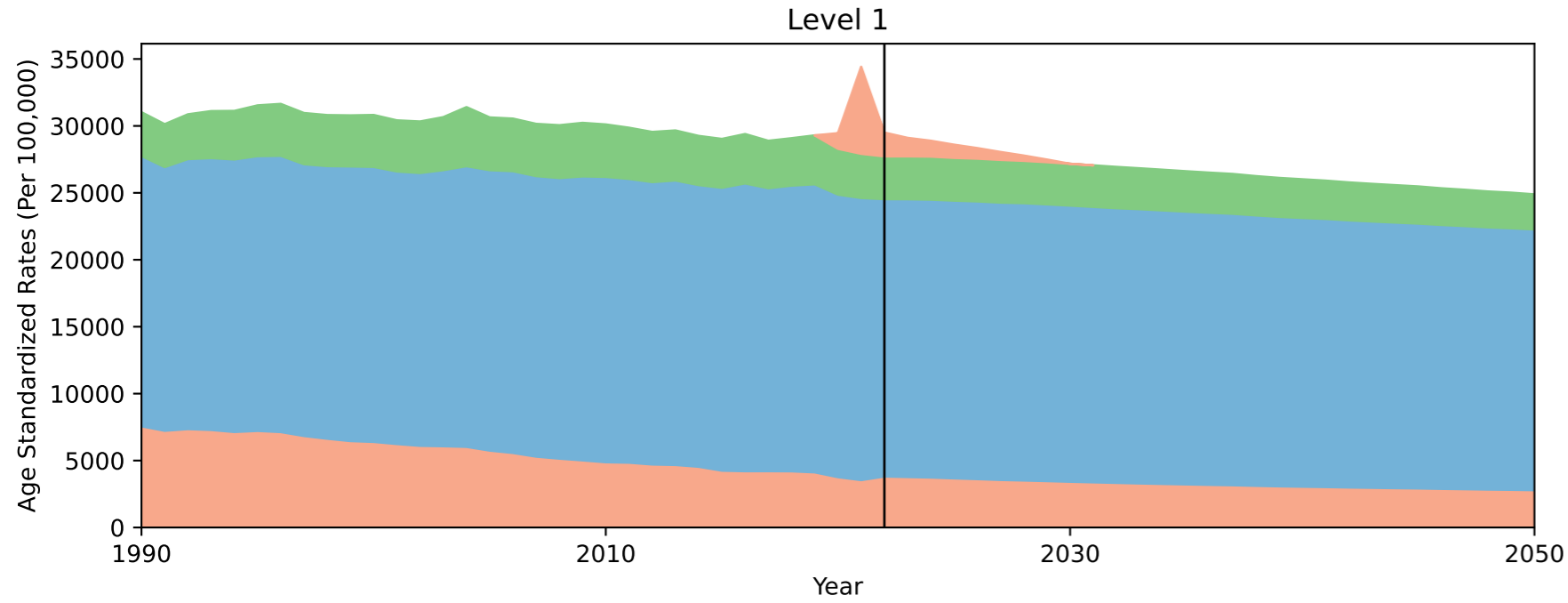
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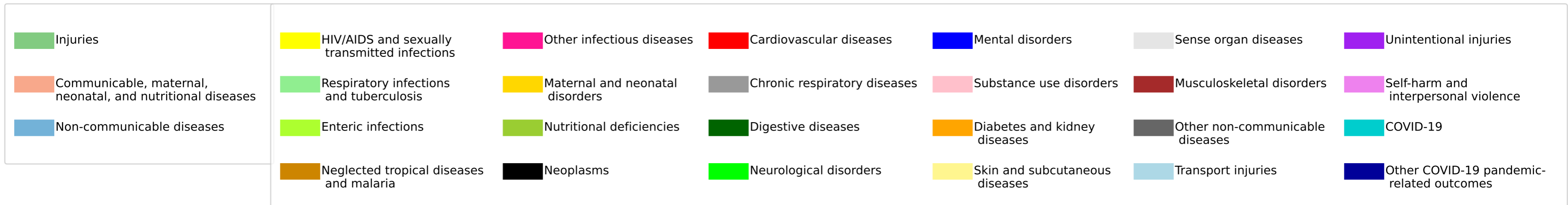
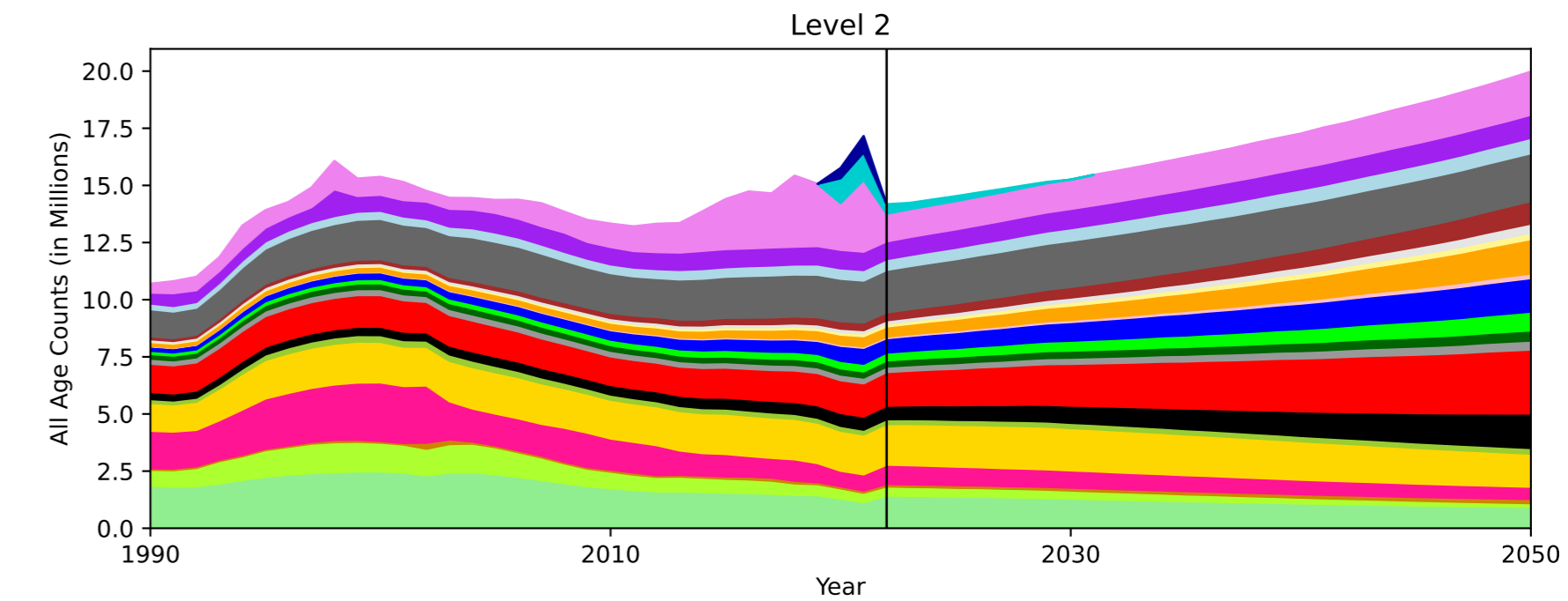
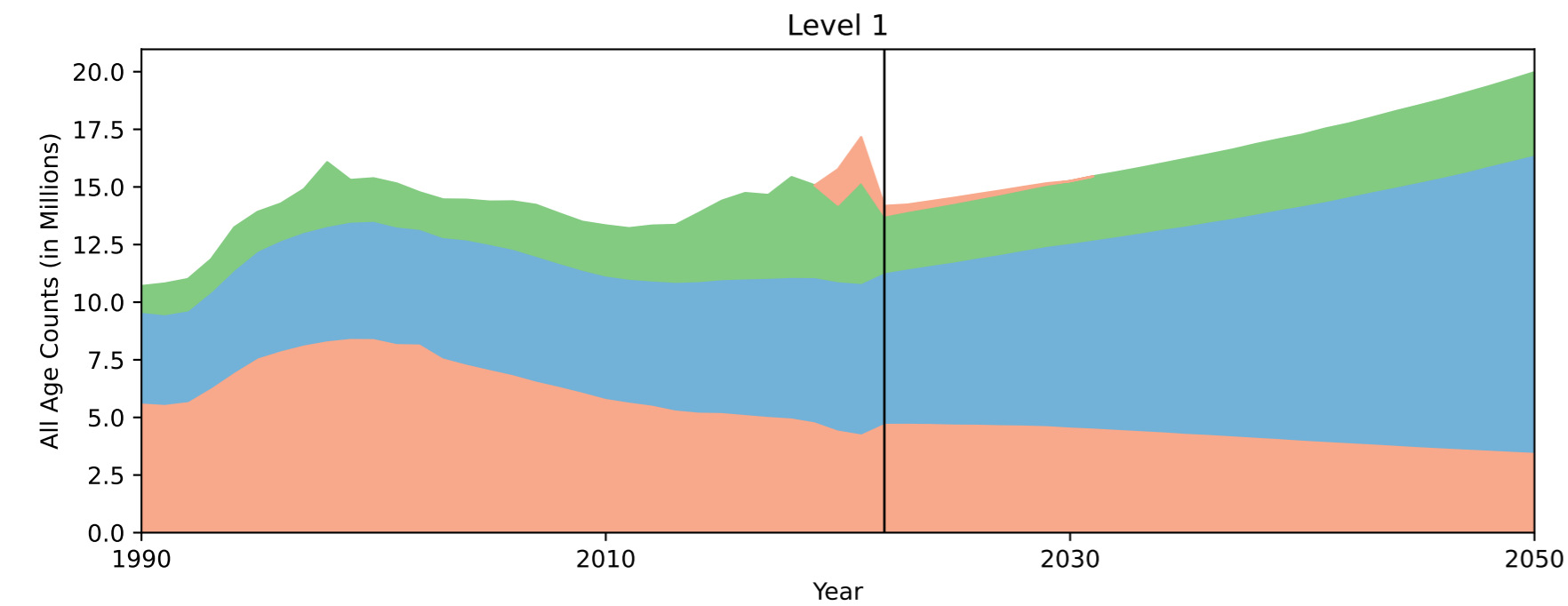
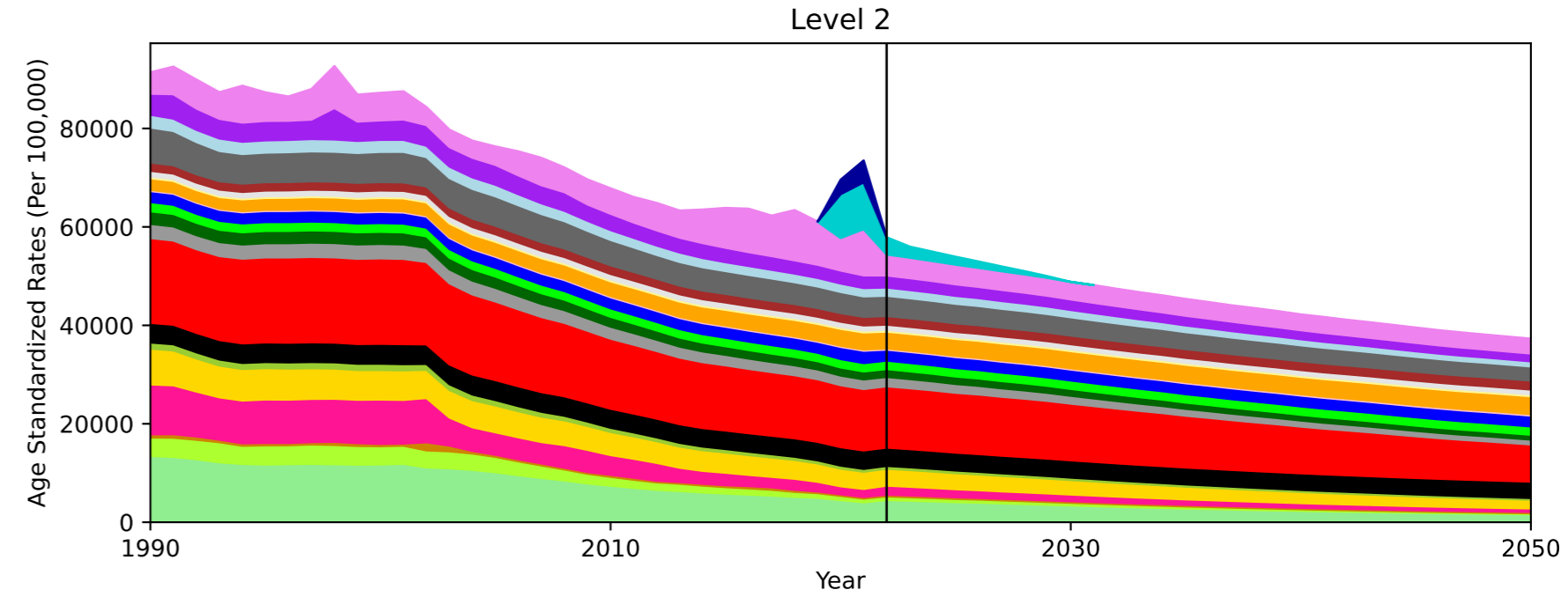
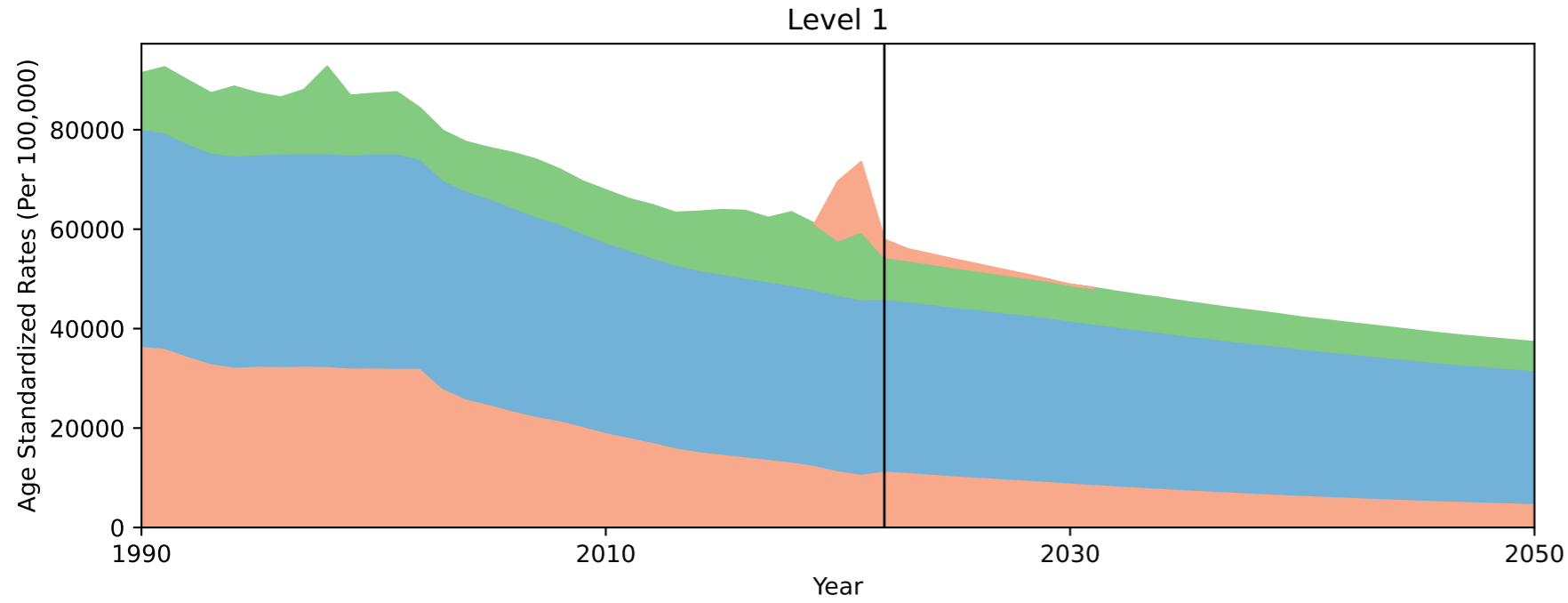
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# Paraguay

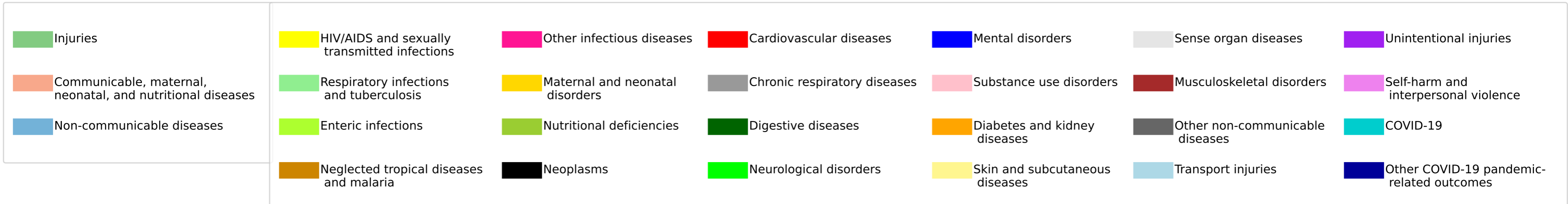
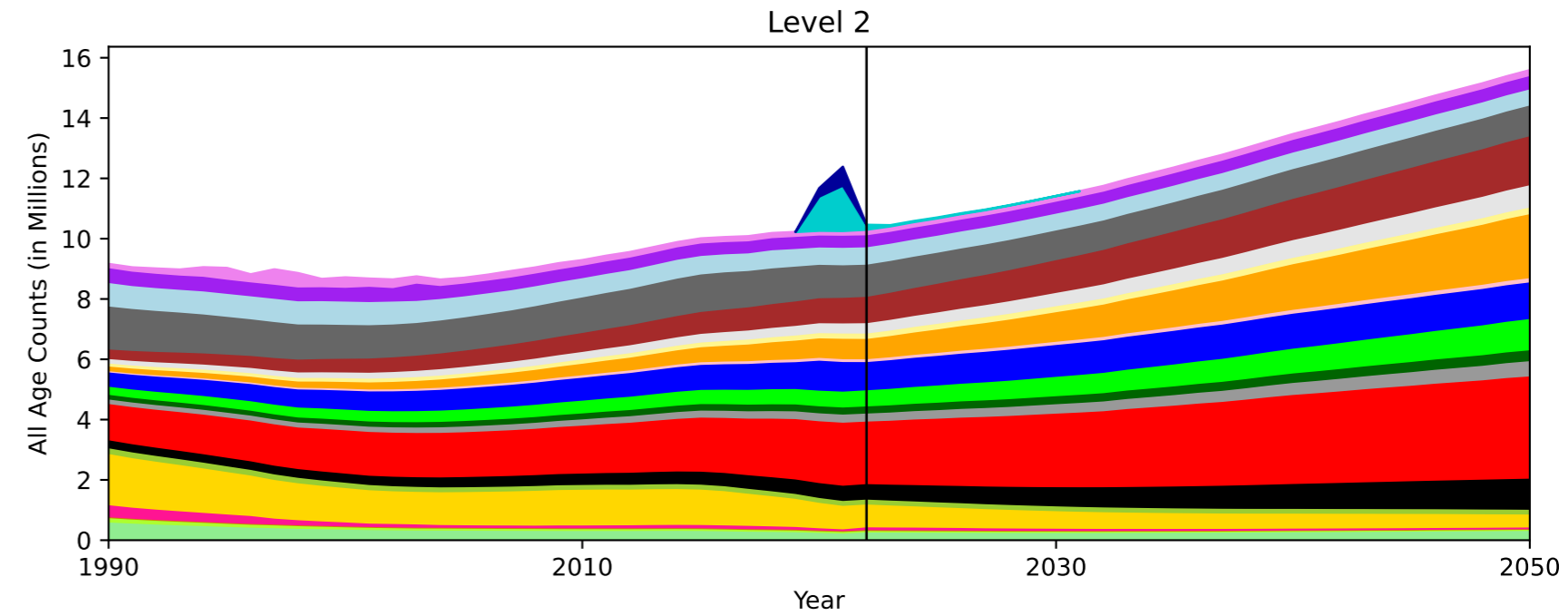
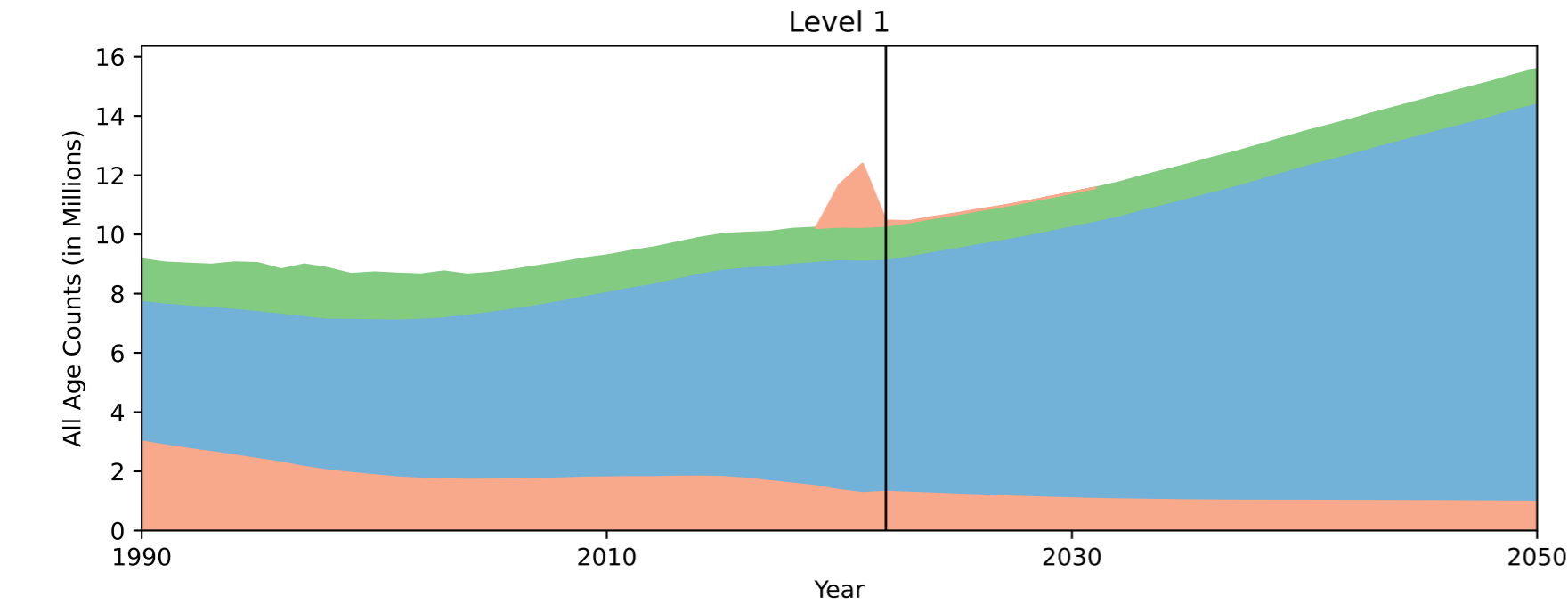
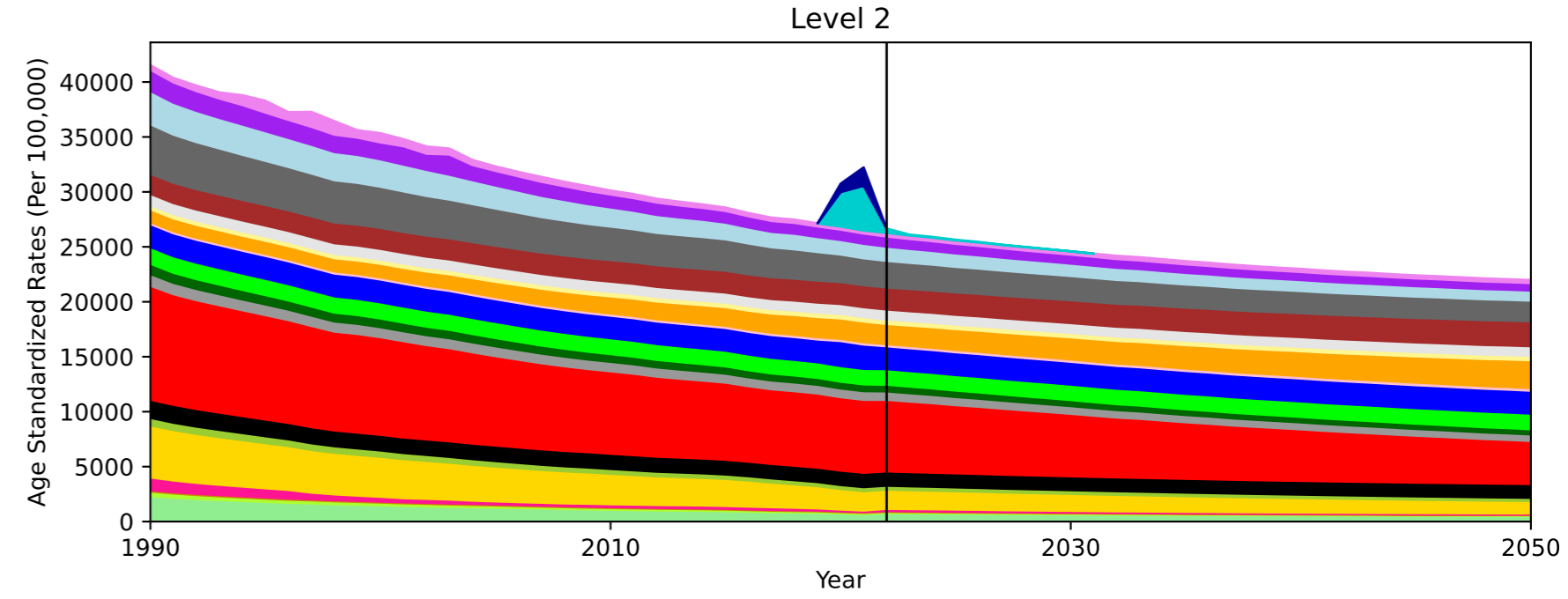
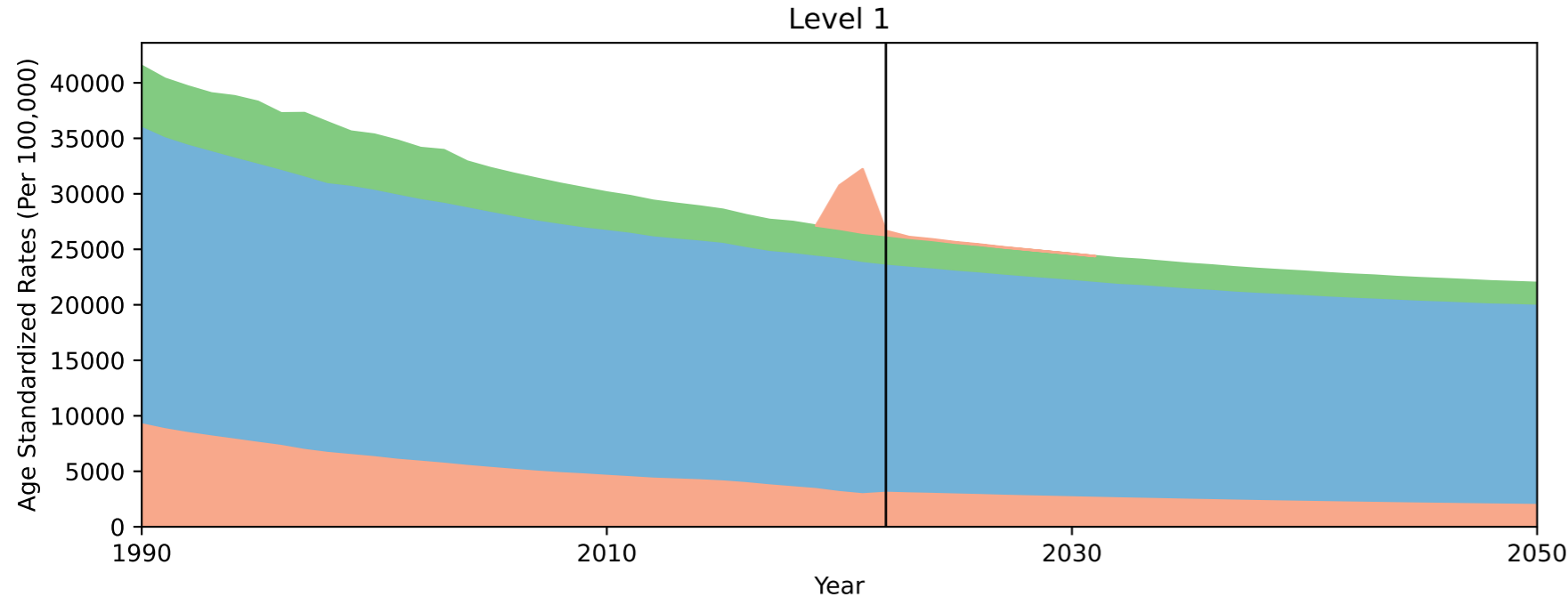


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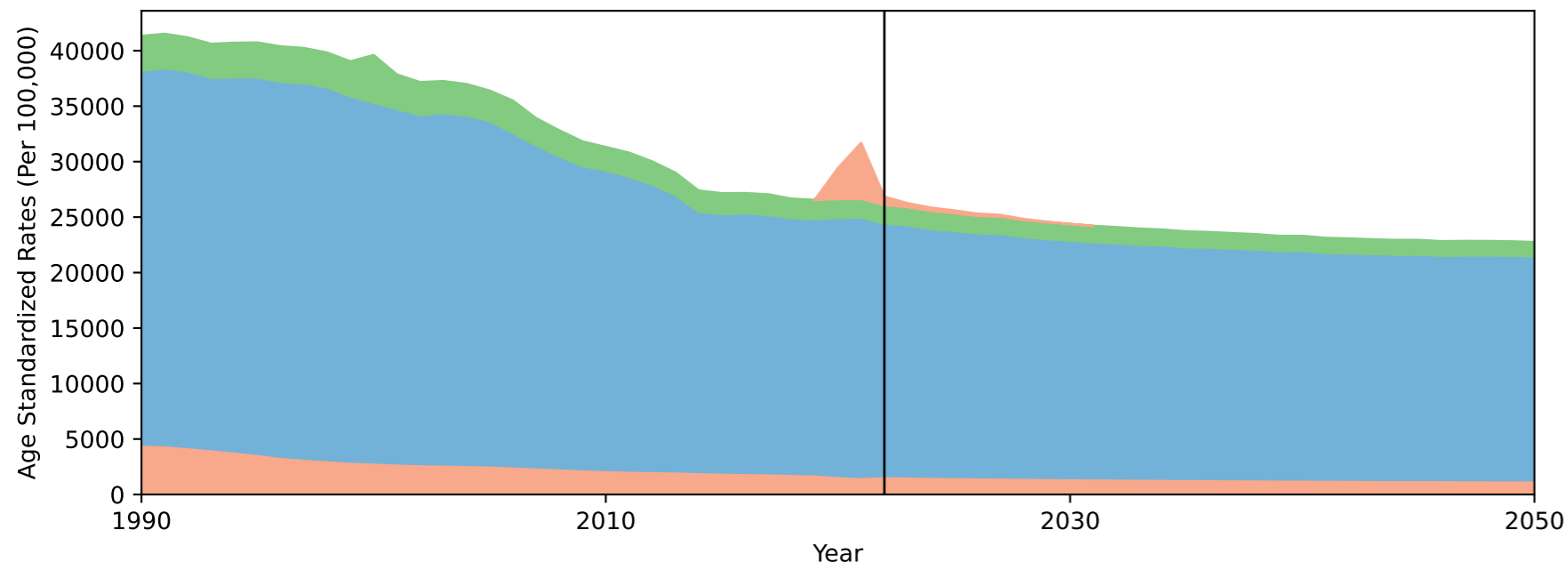




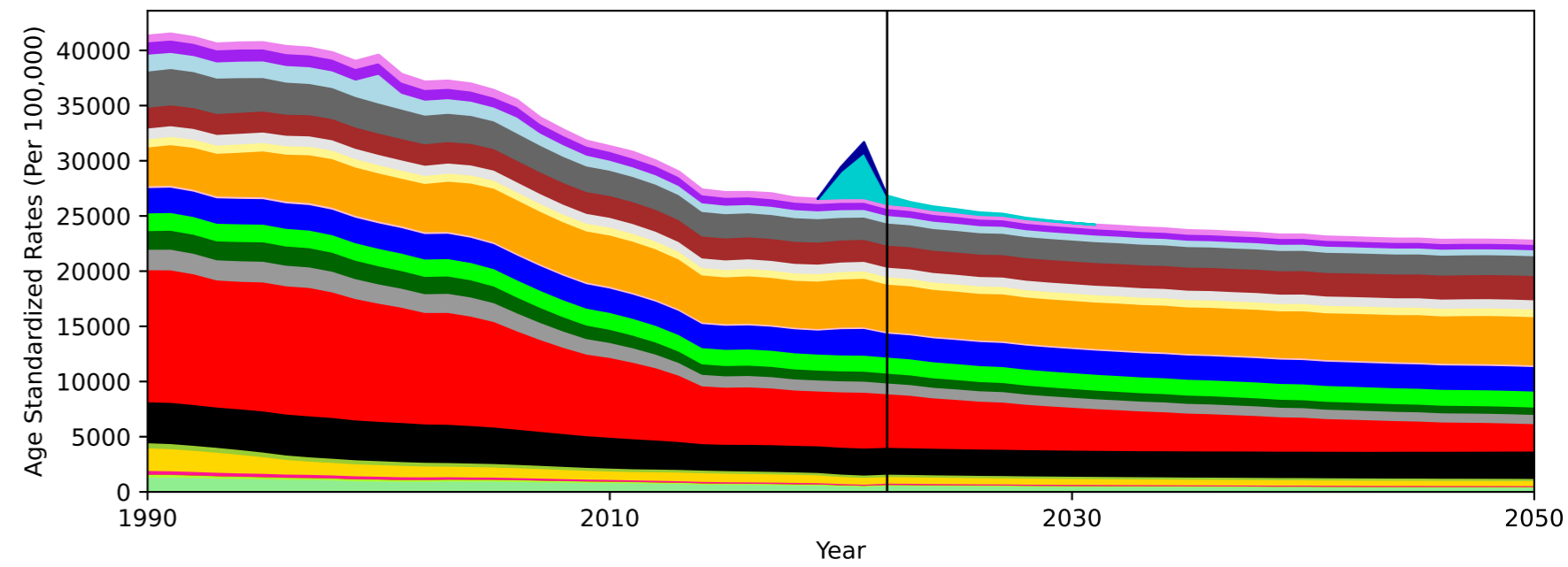
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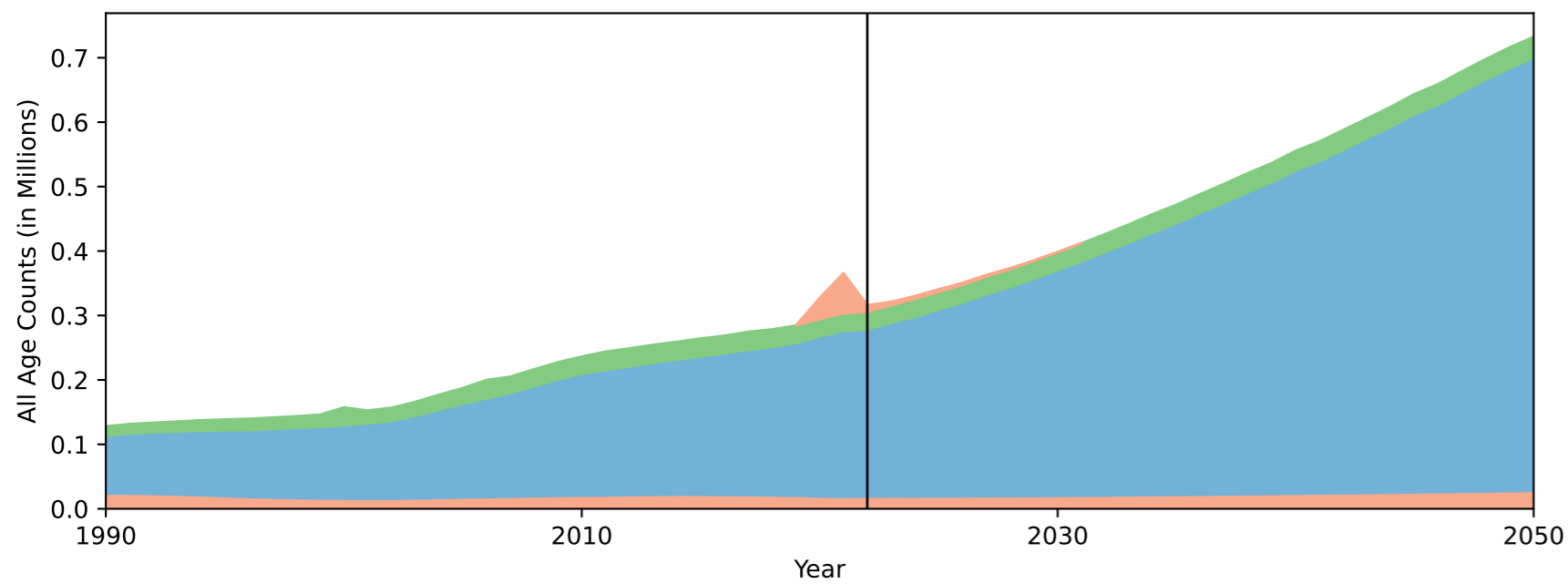
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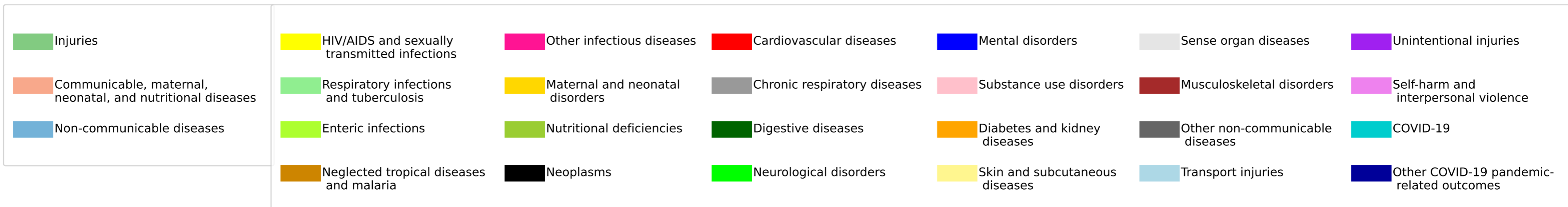
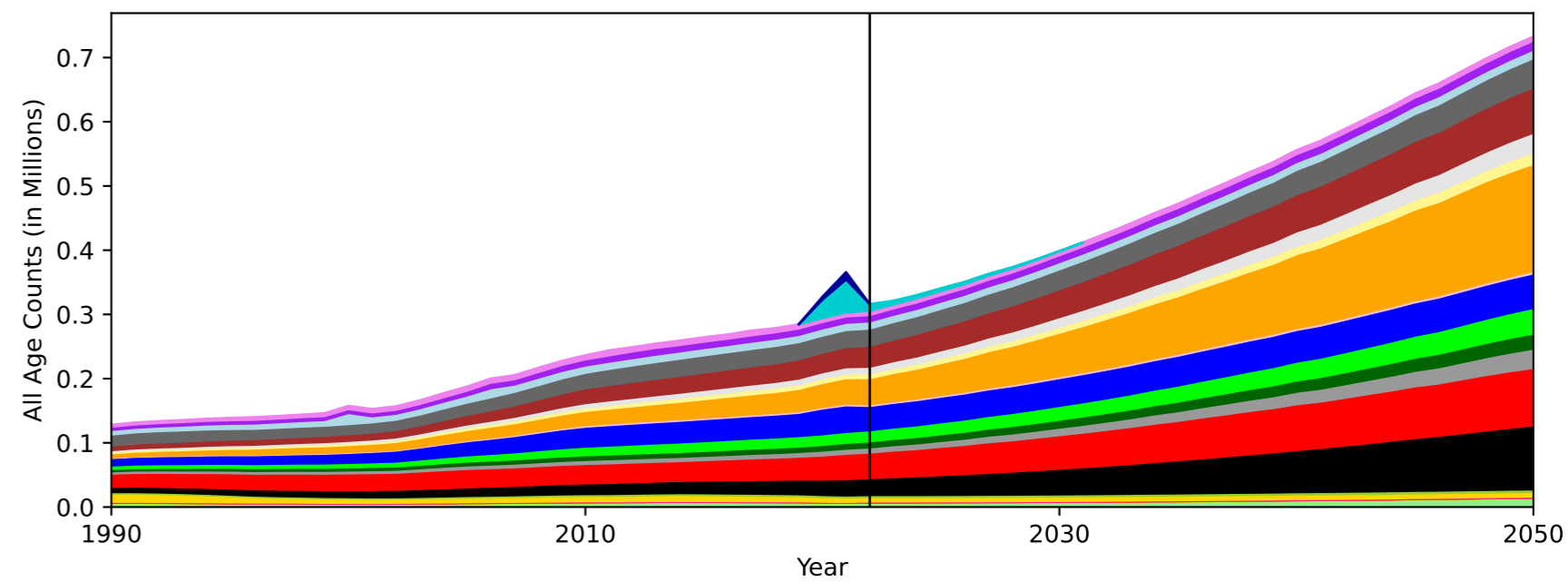
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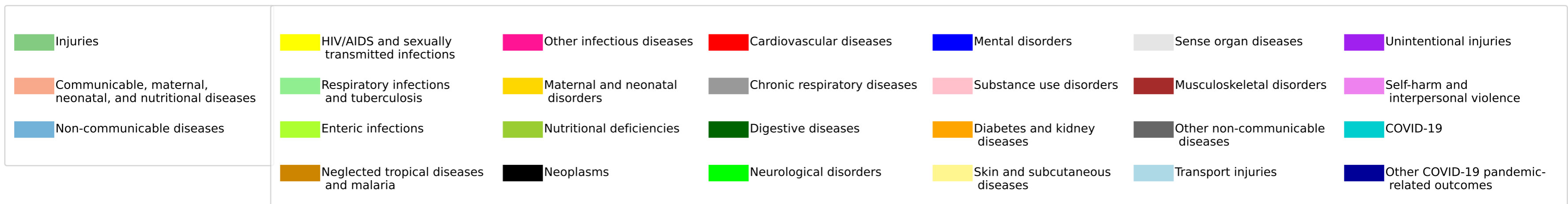
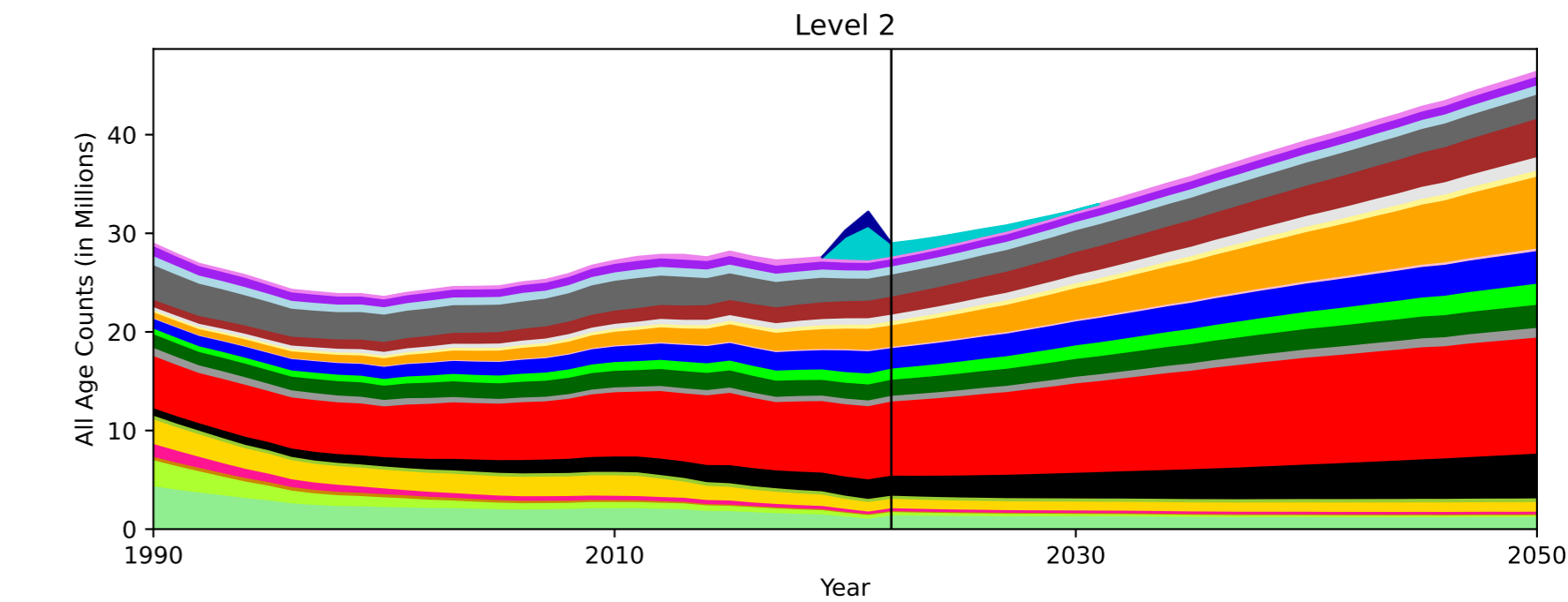
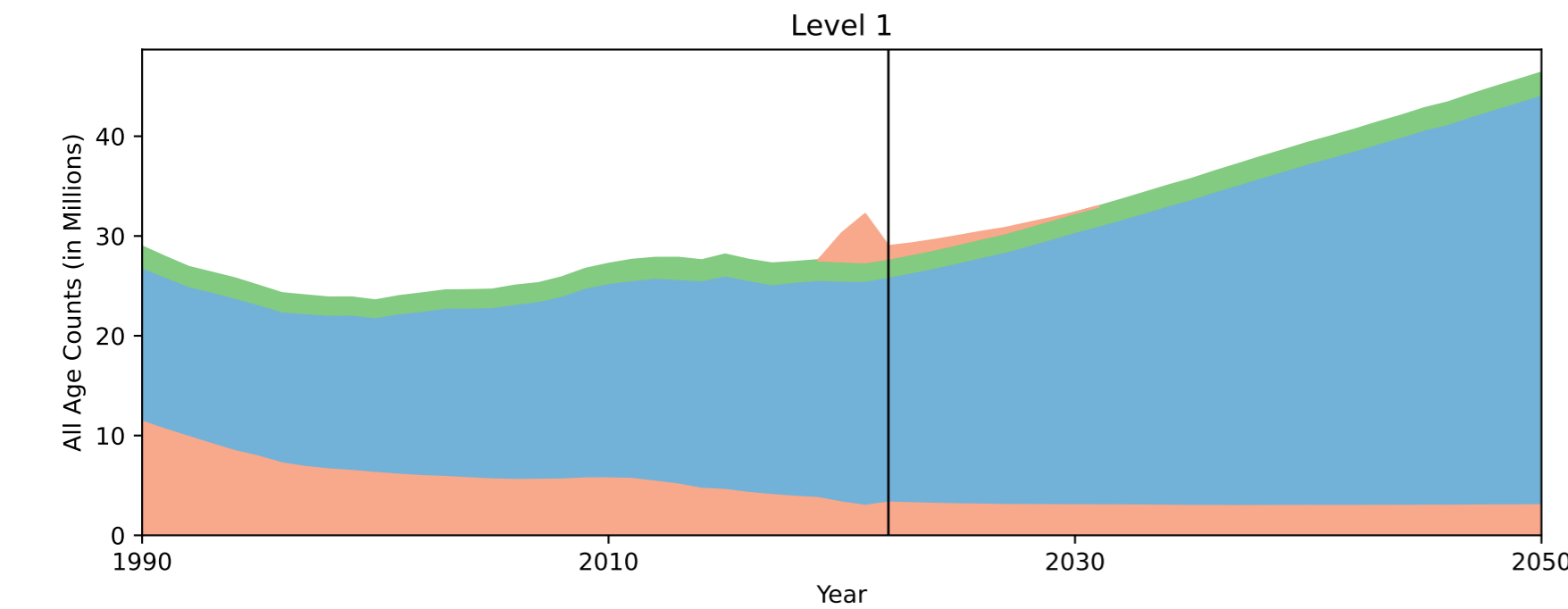
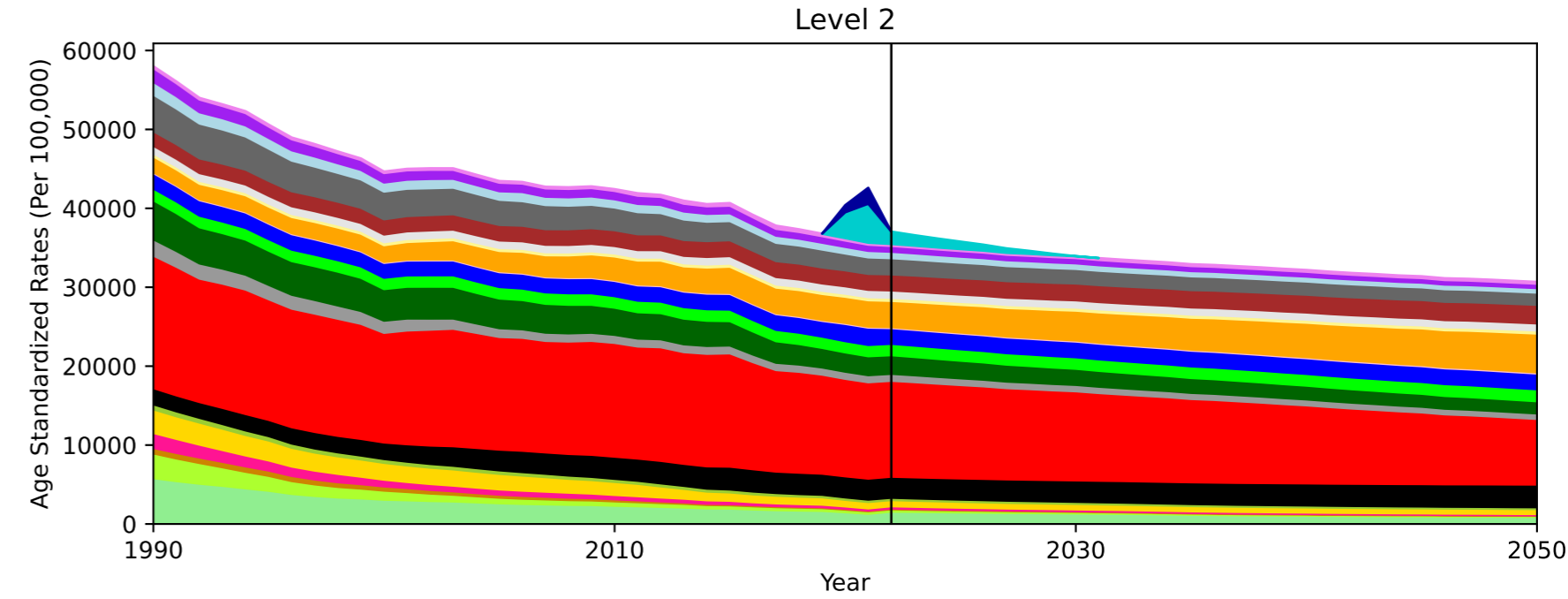
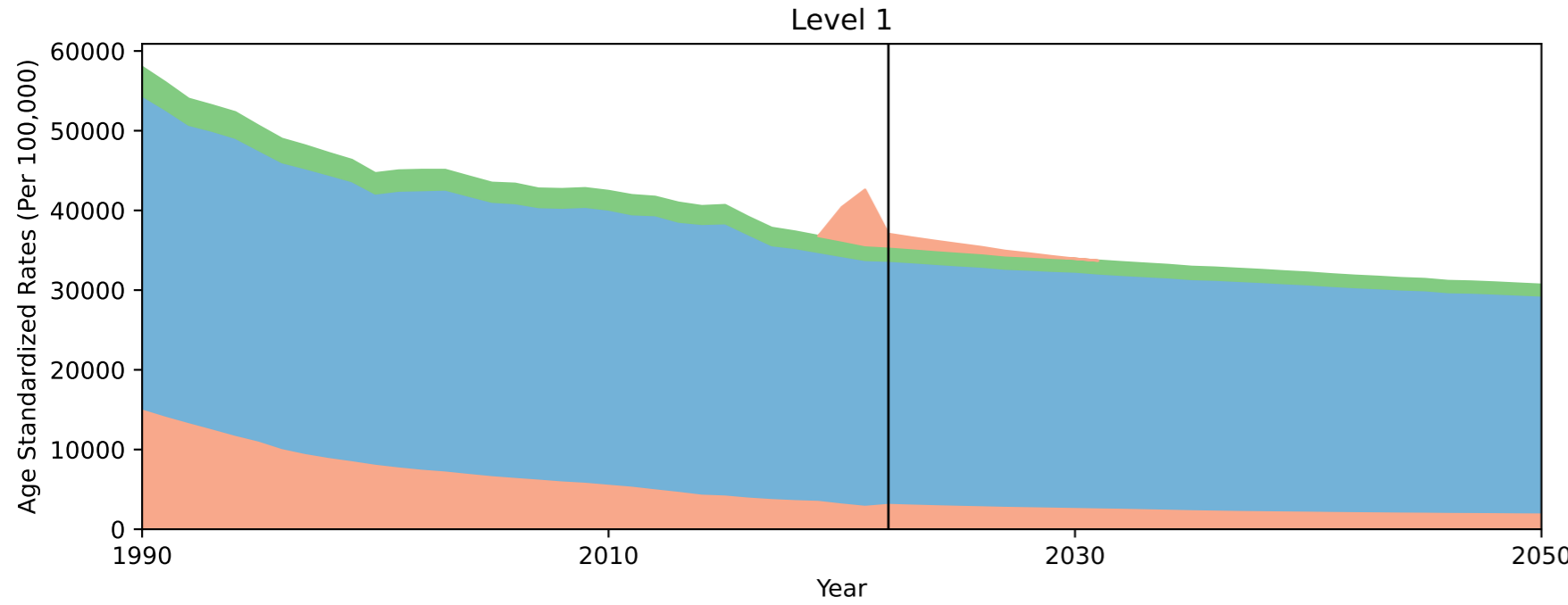
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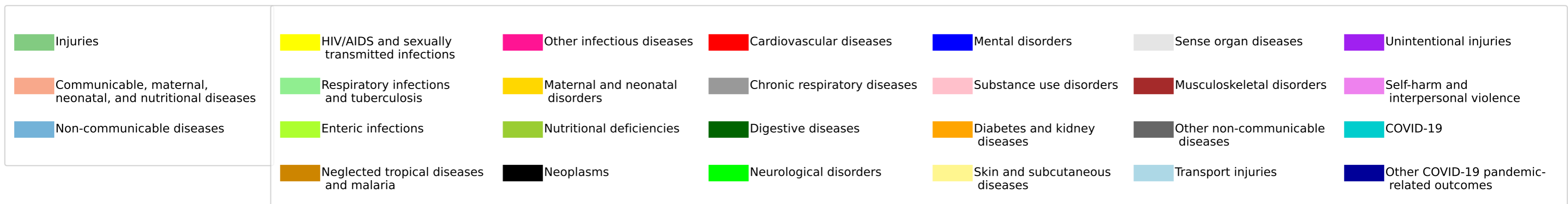
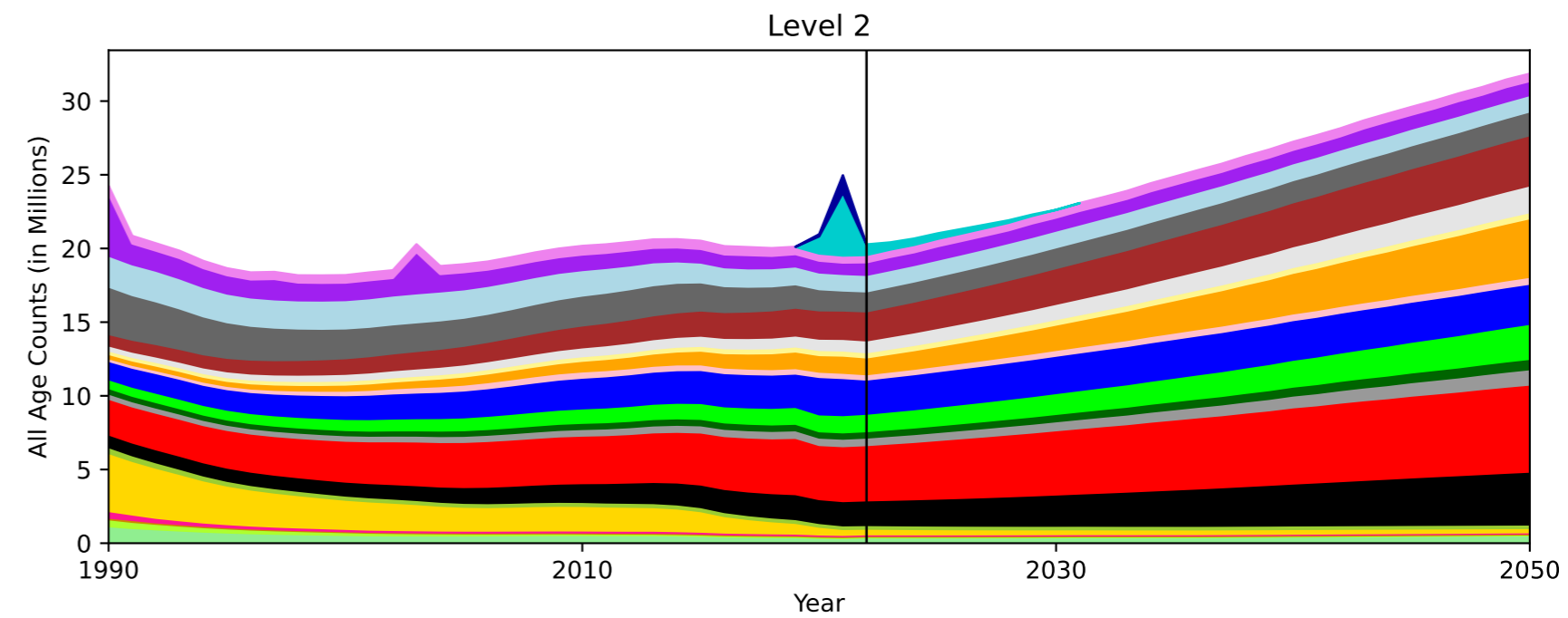
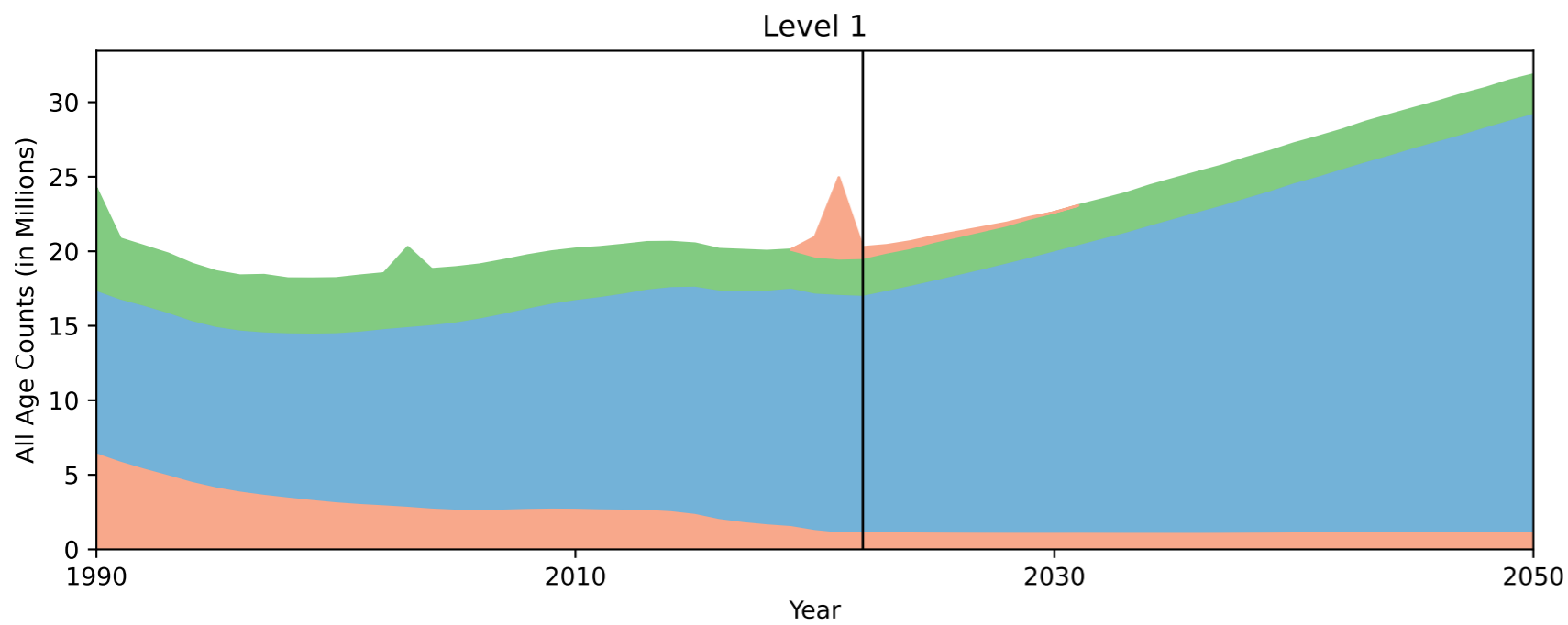
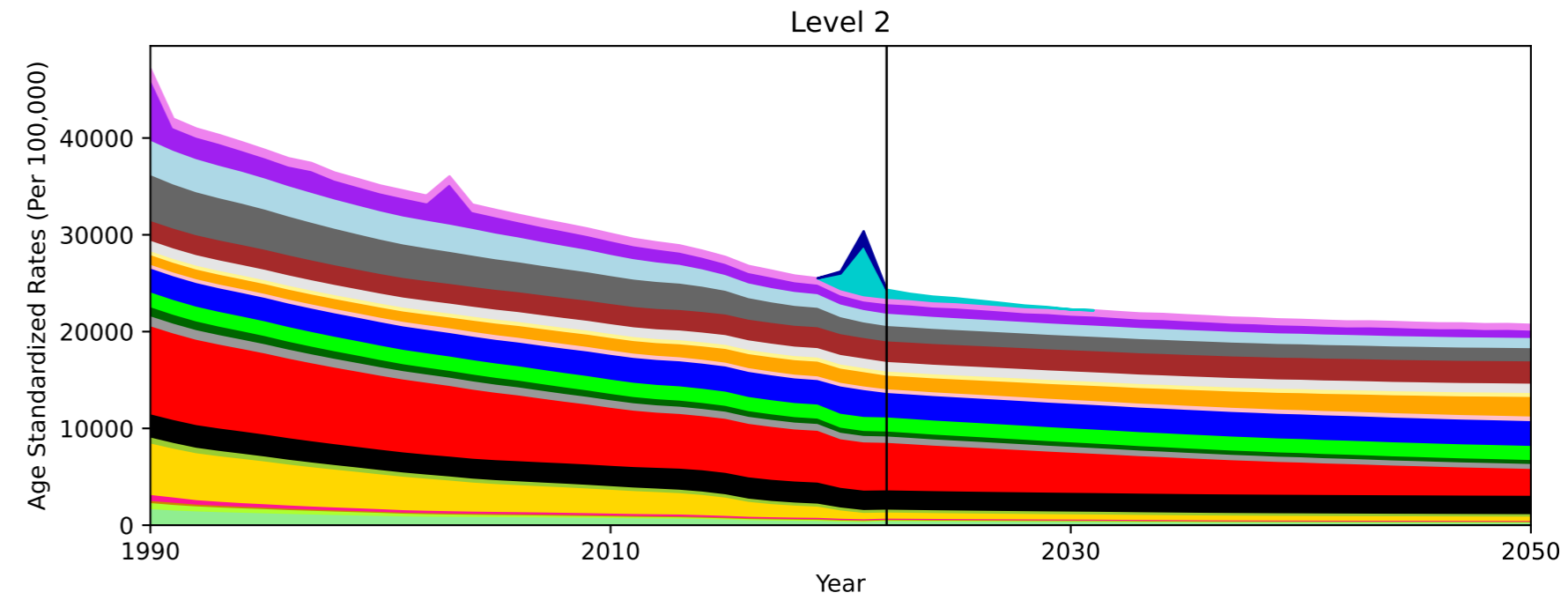
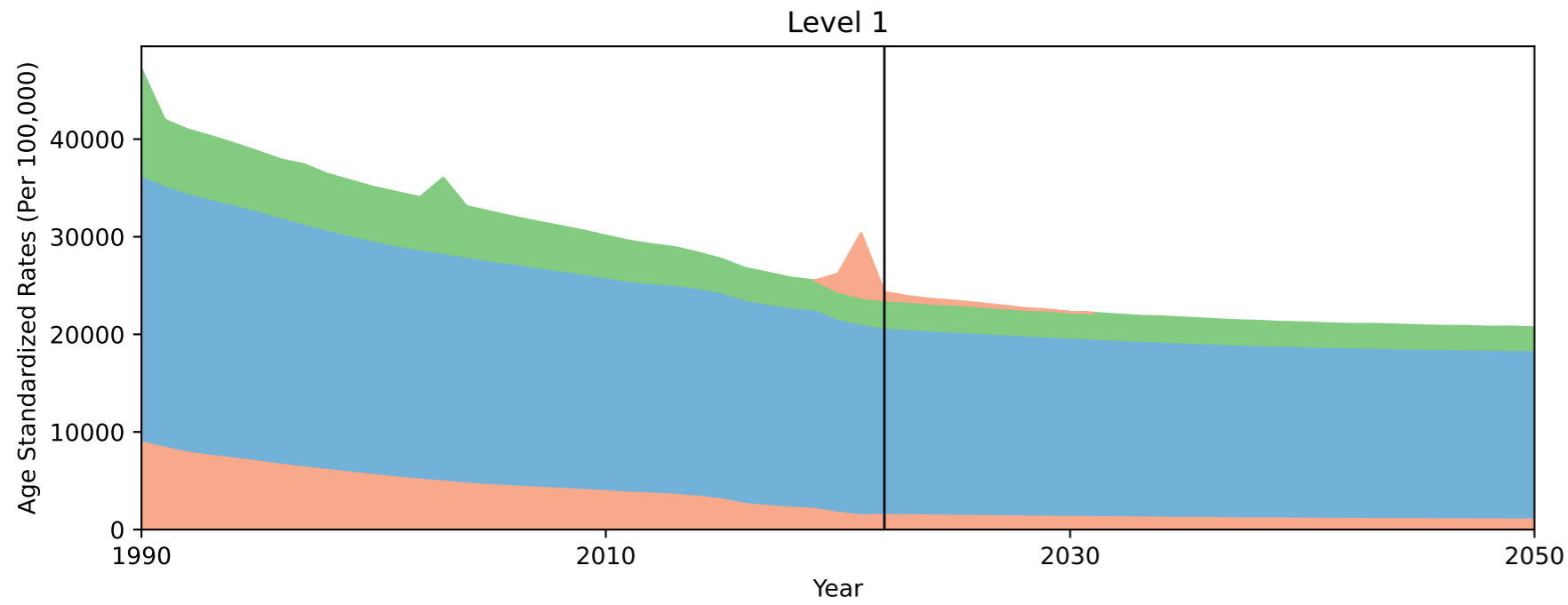


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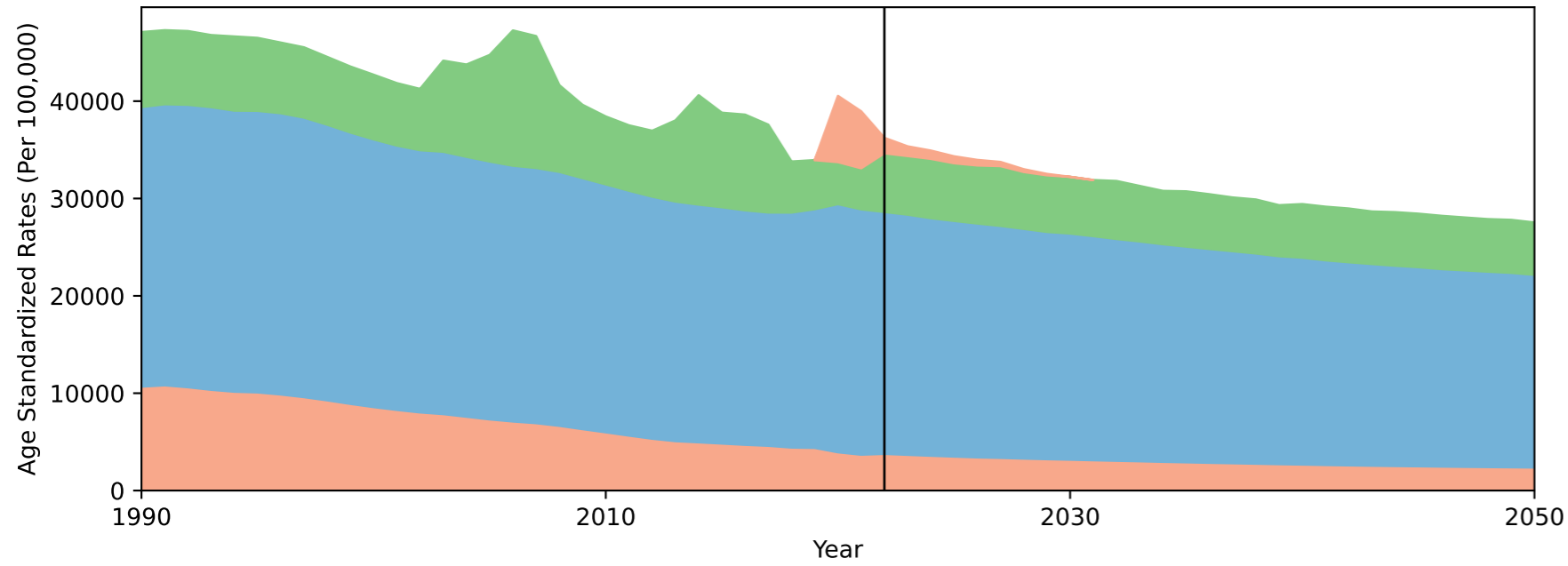
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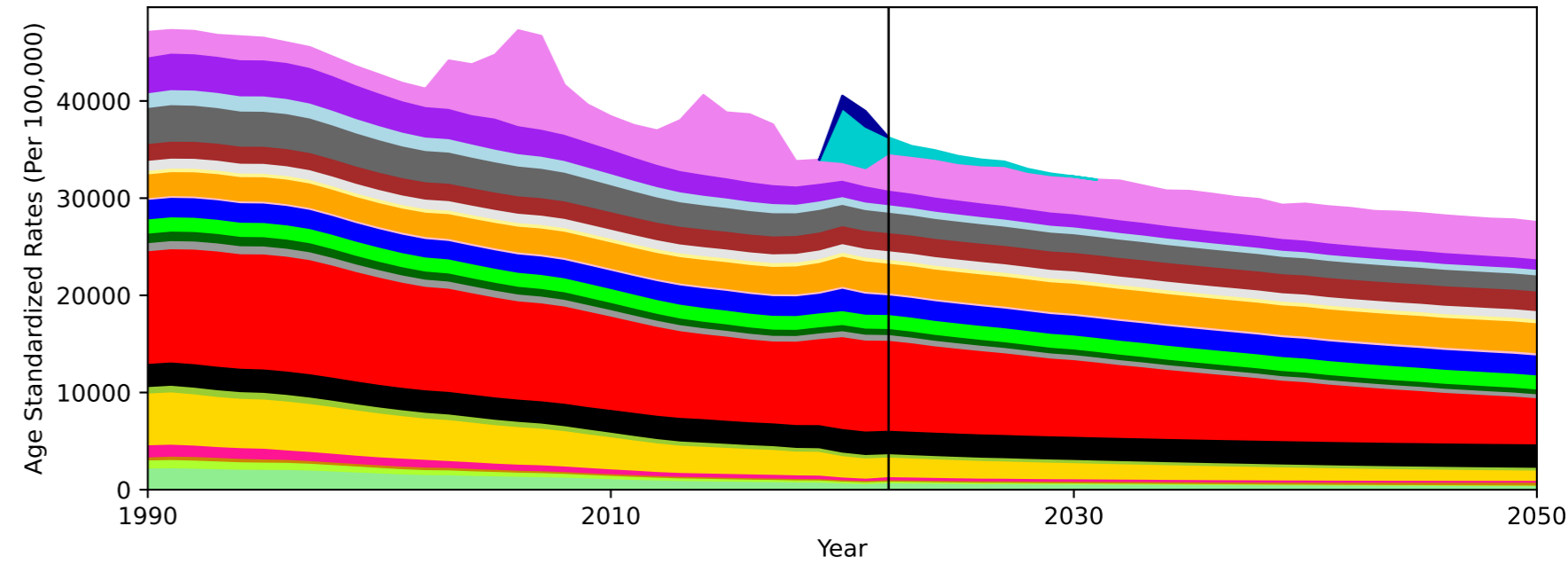


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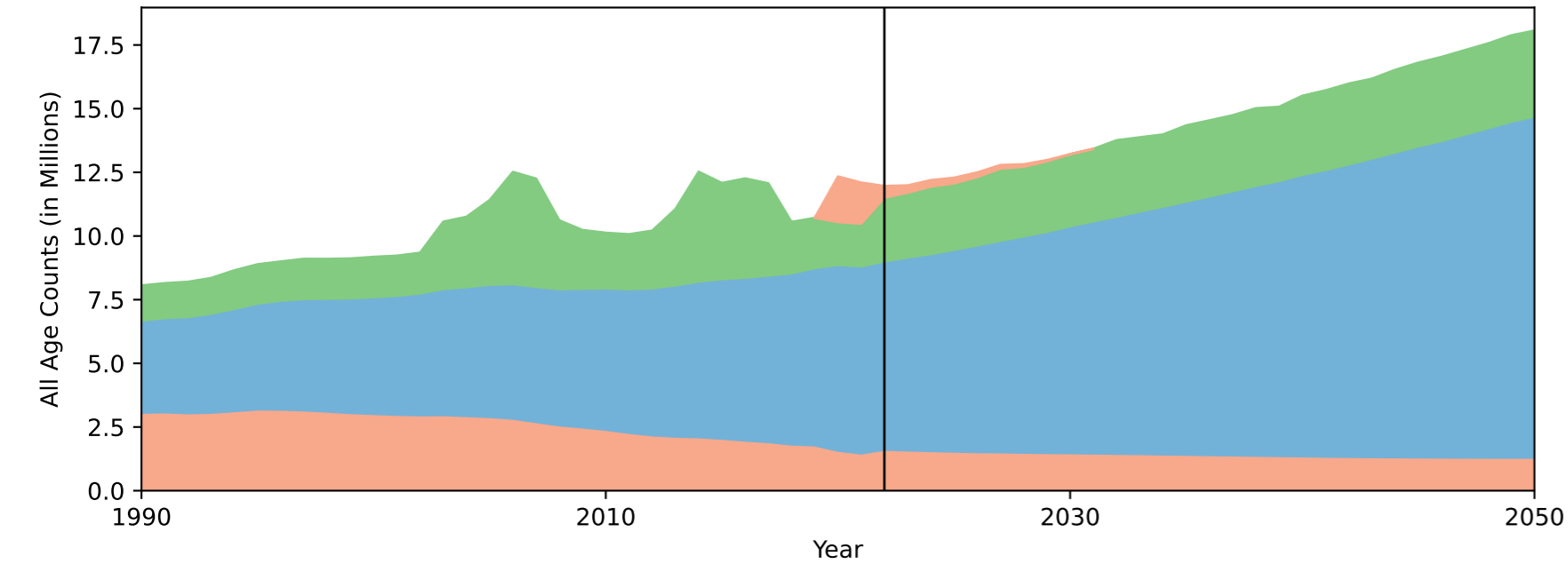
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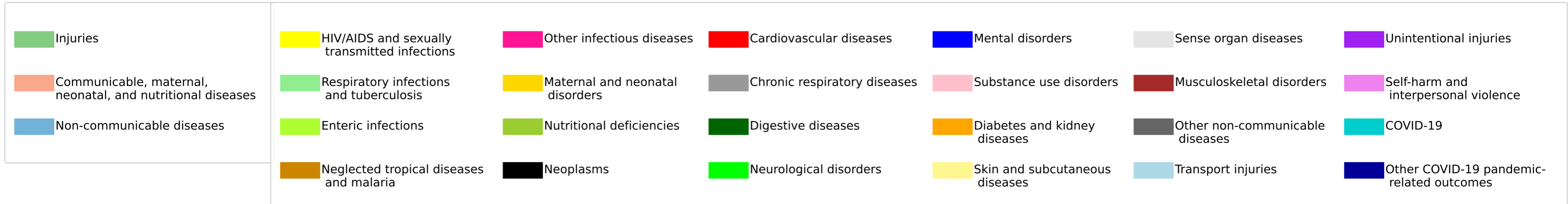
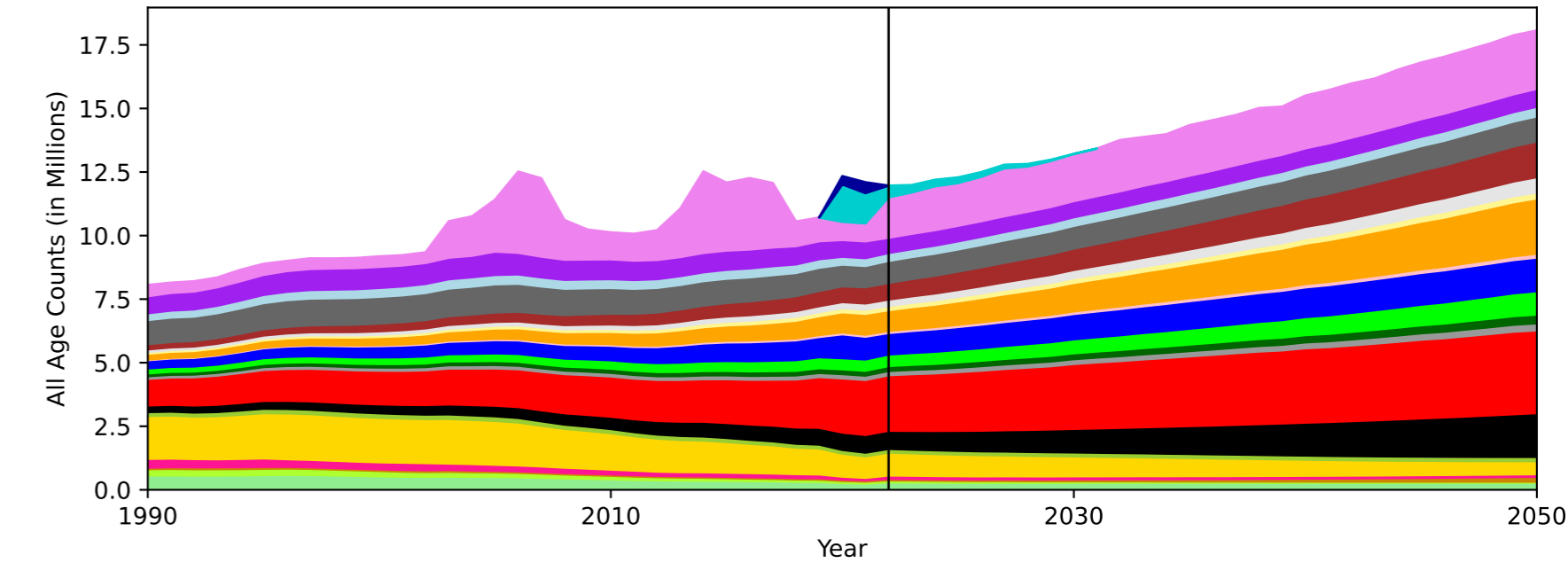
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Level 1

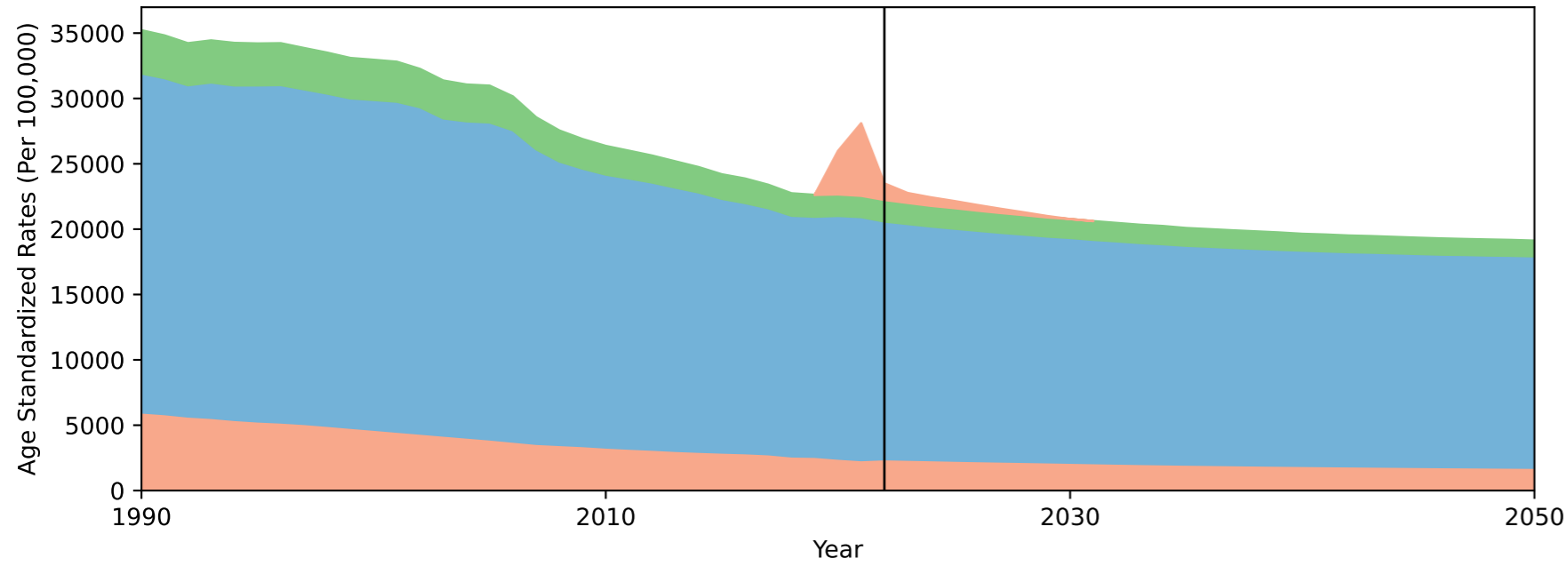


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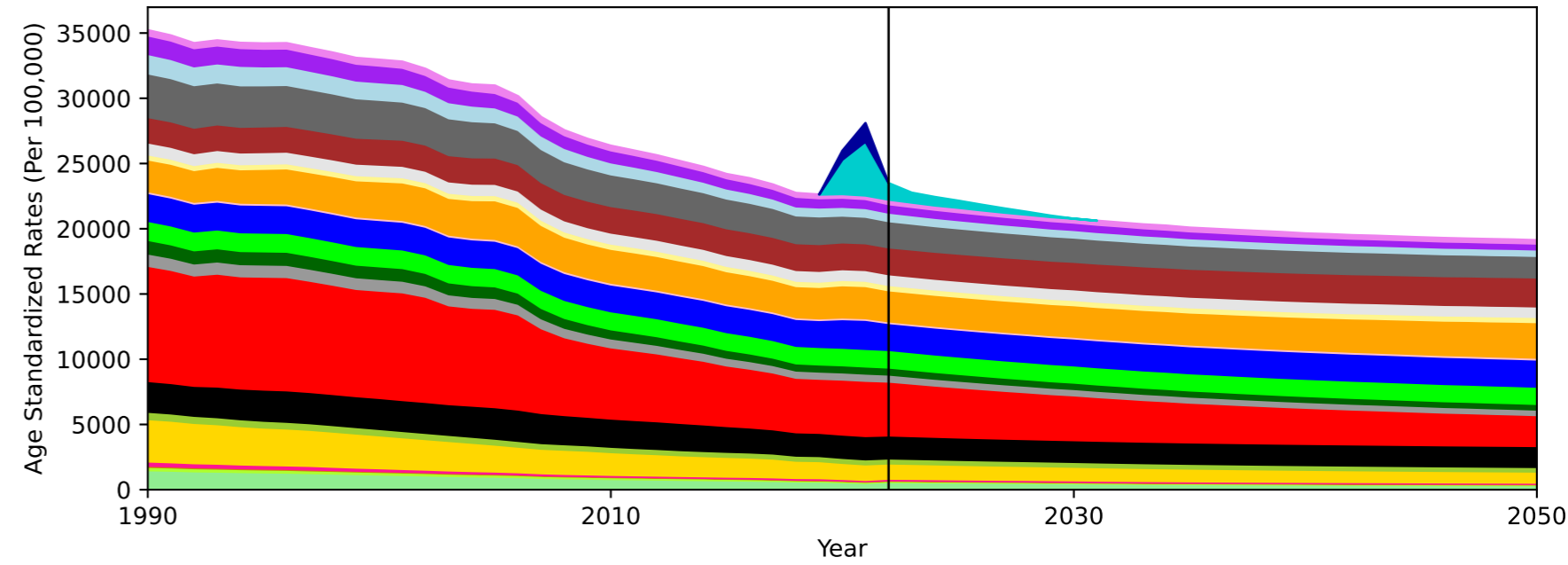


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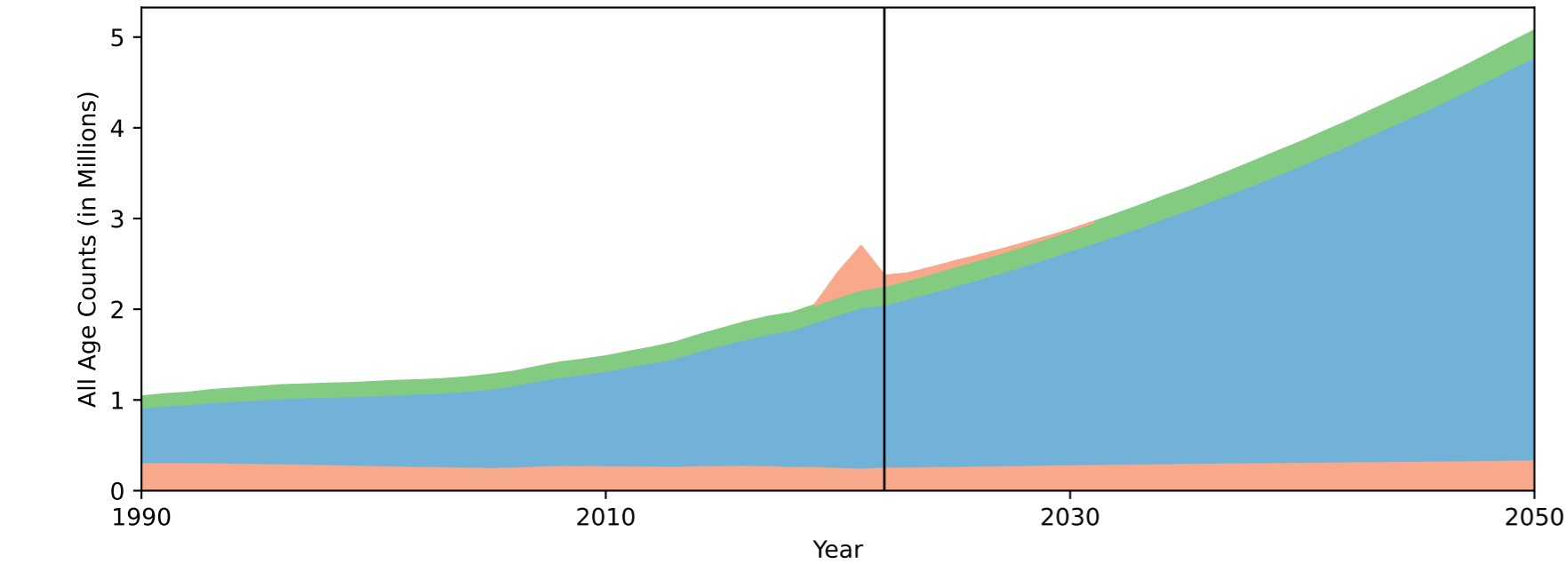
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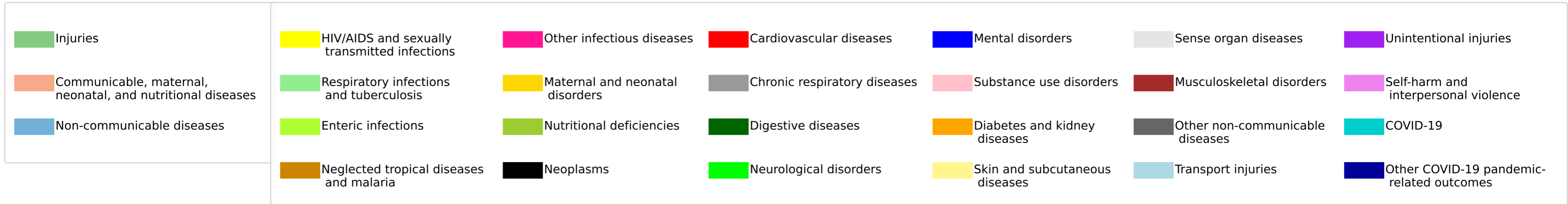
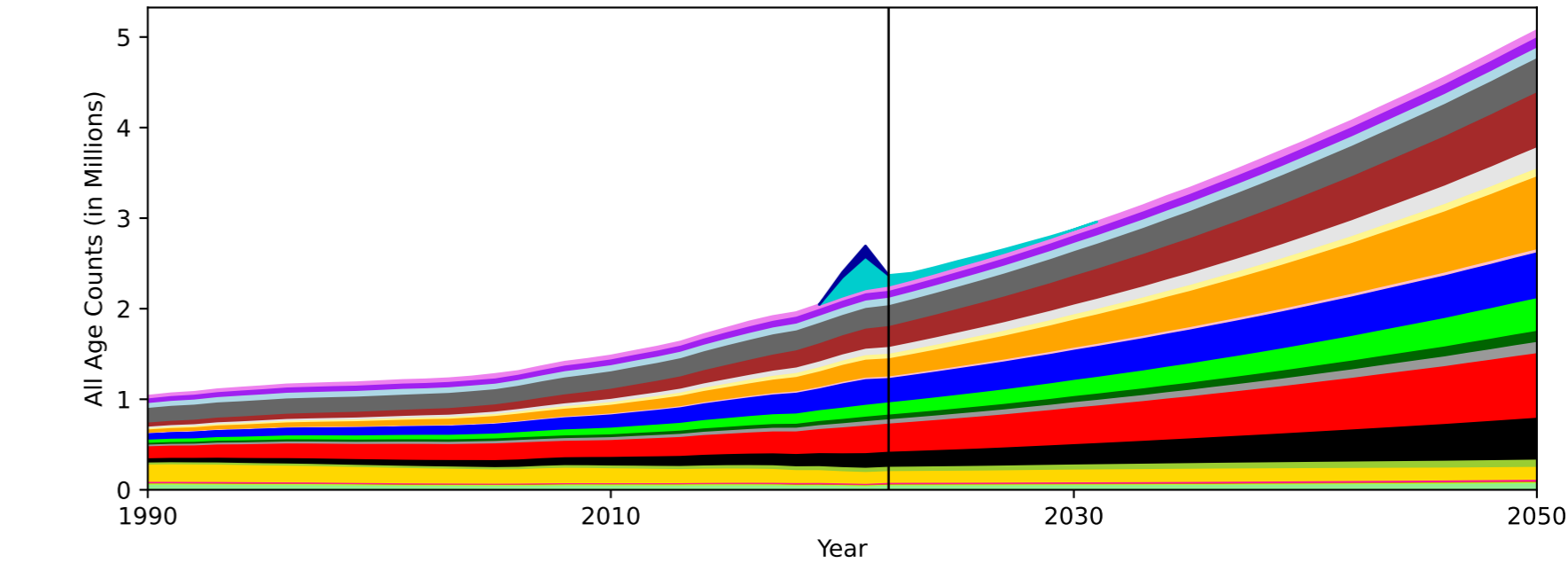
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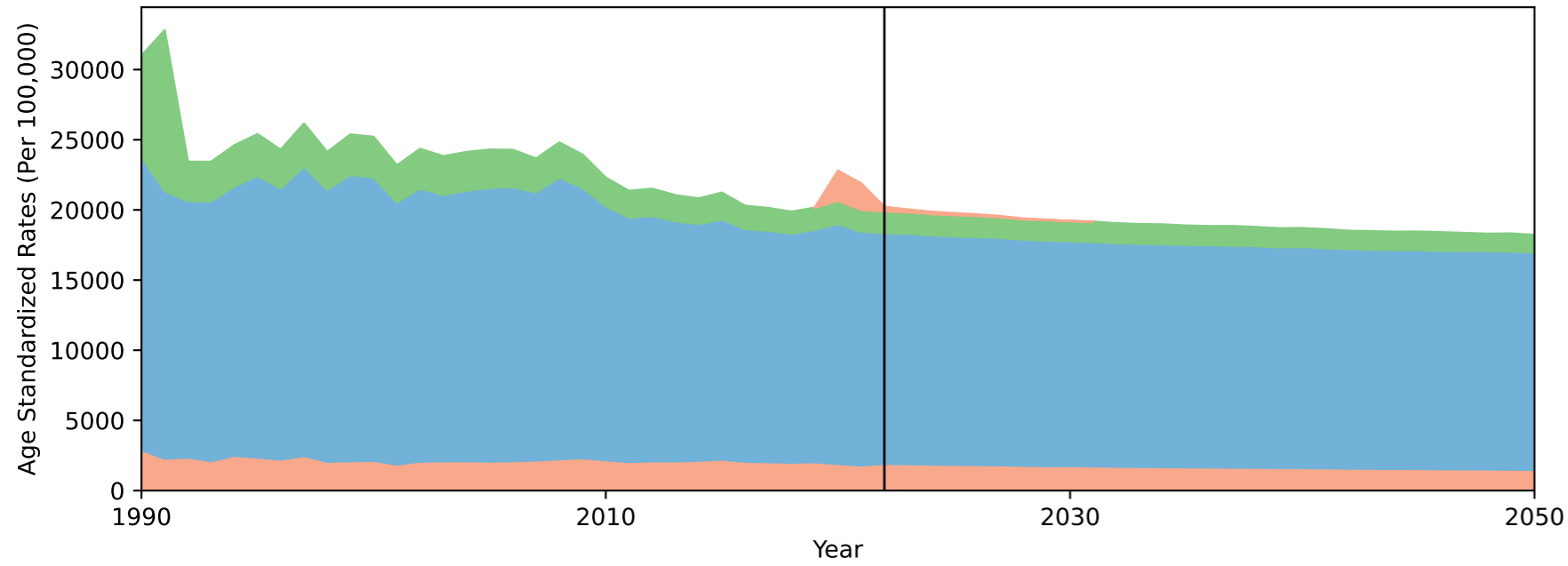
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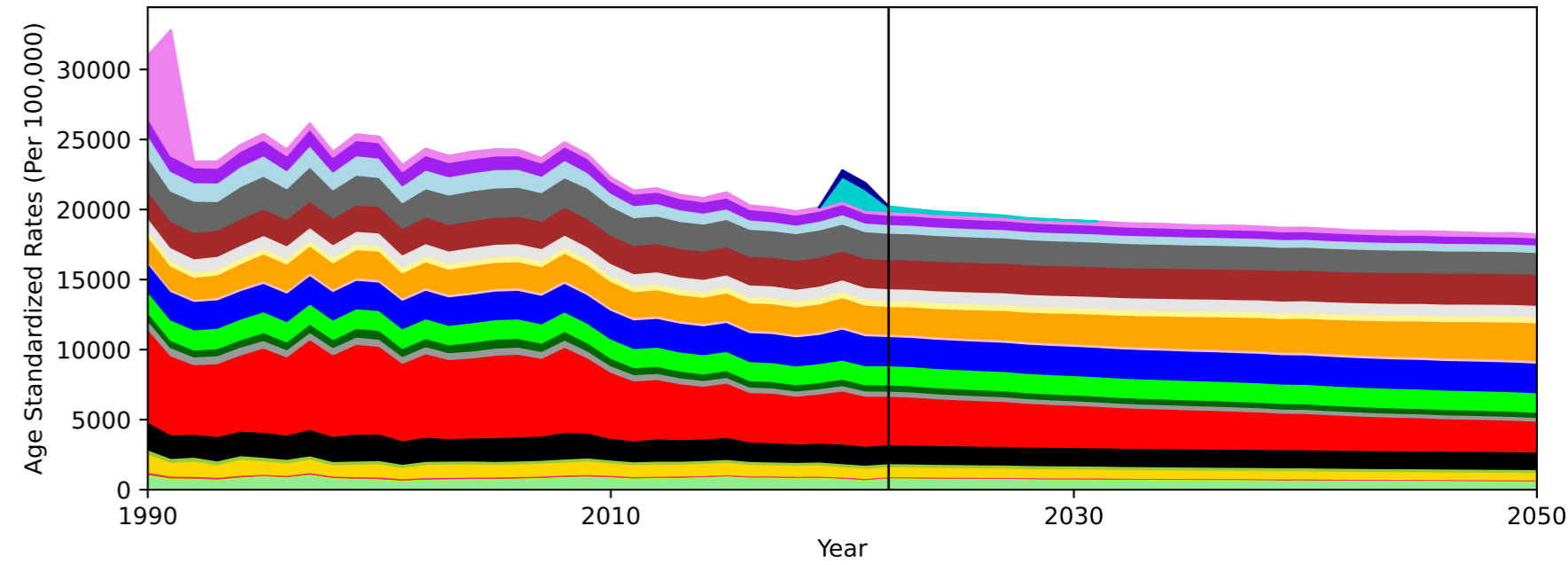
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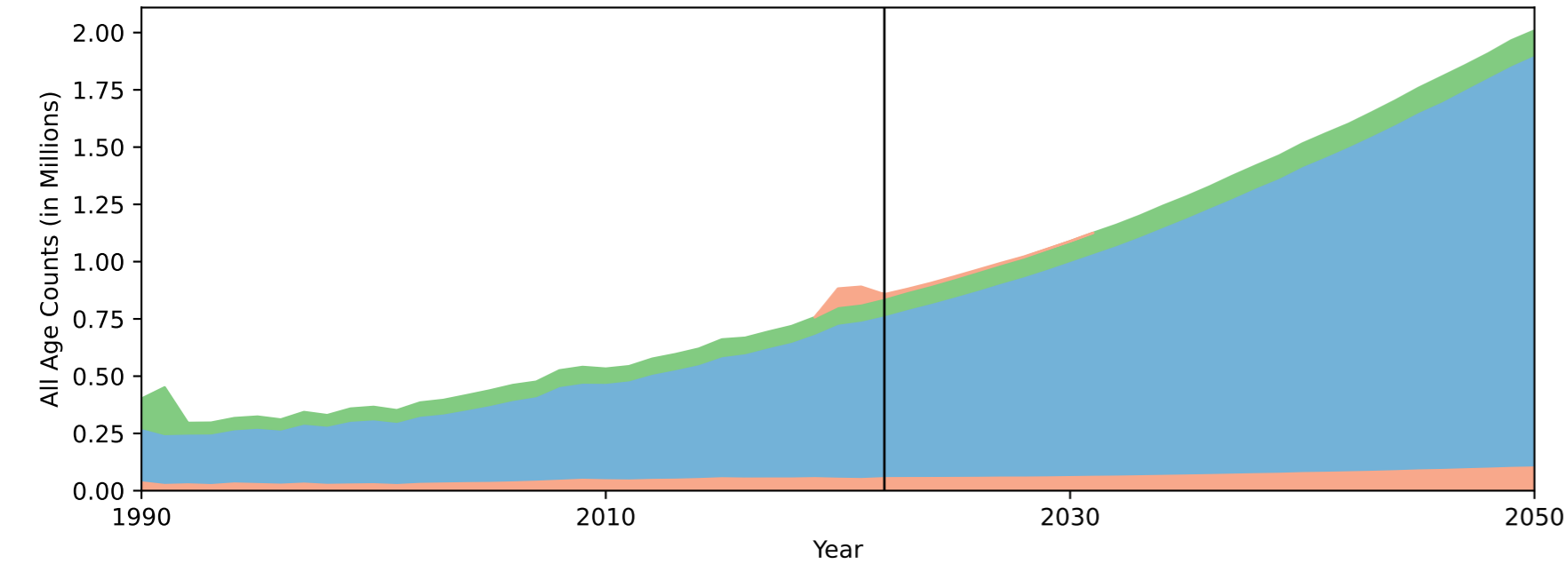
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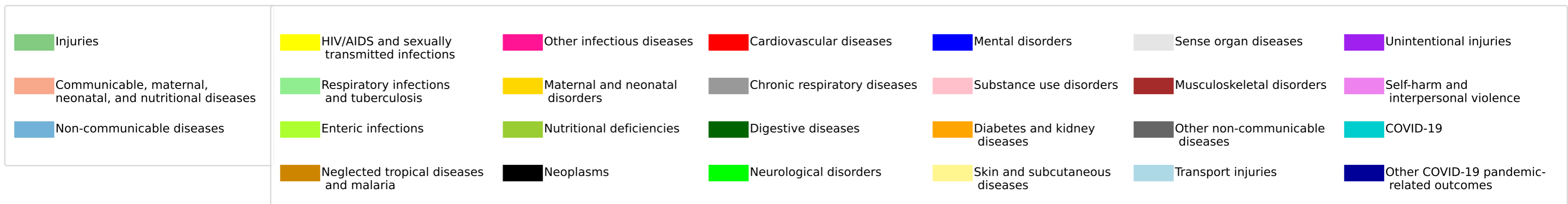
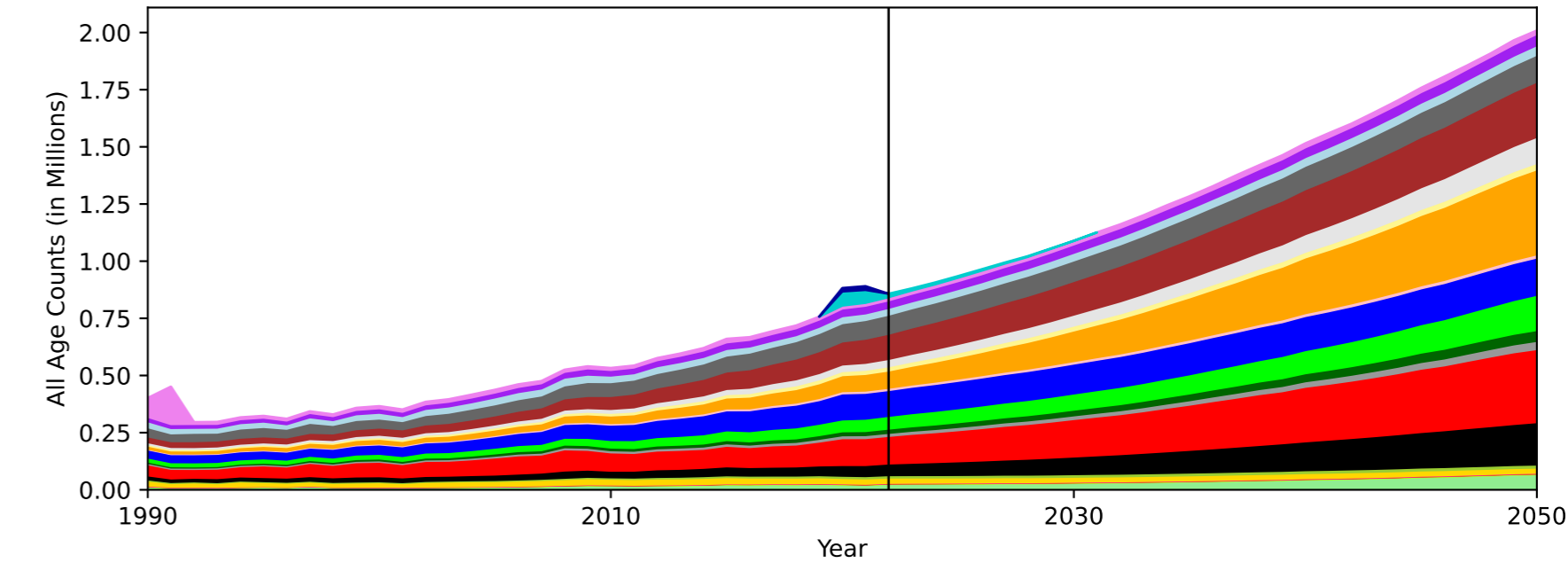
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Level 1

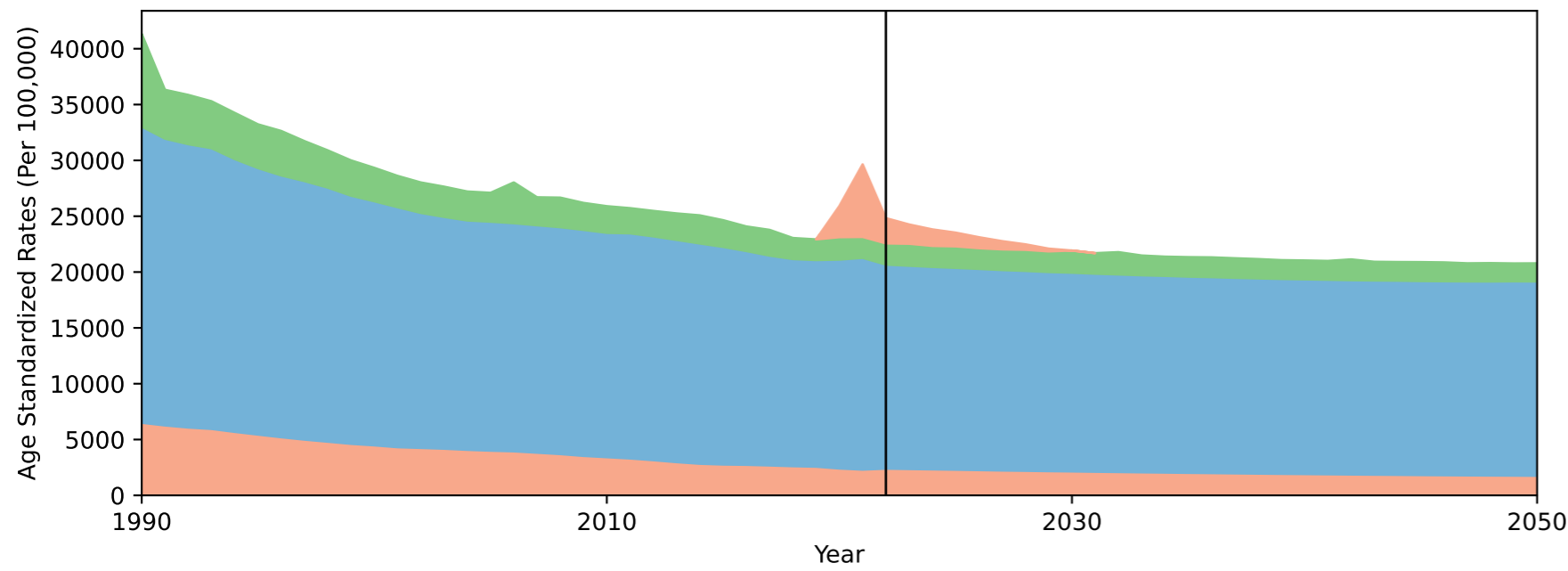


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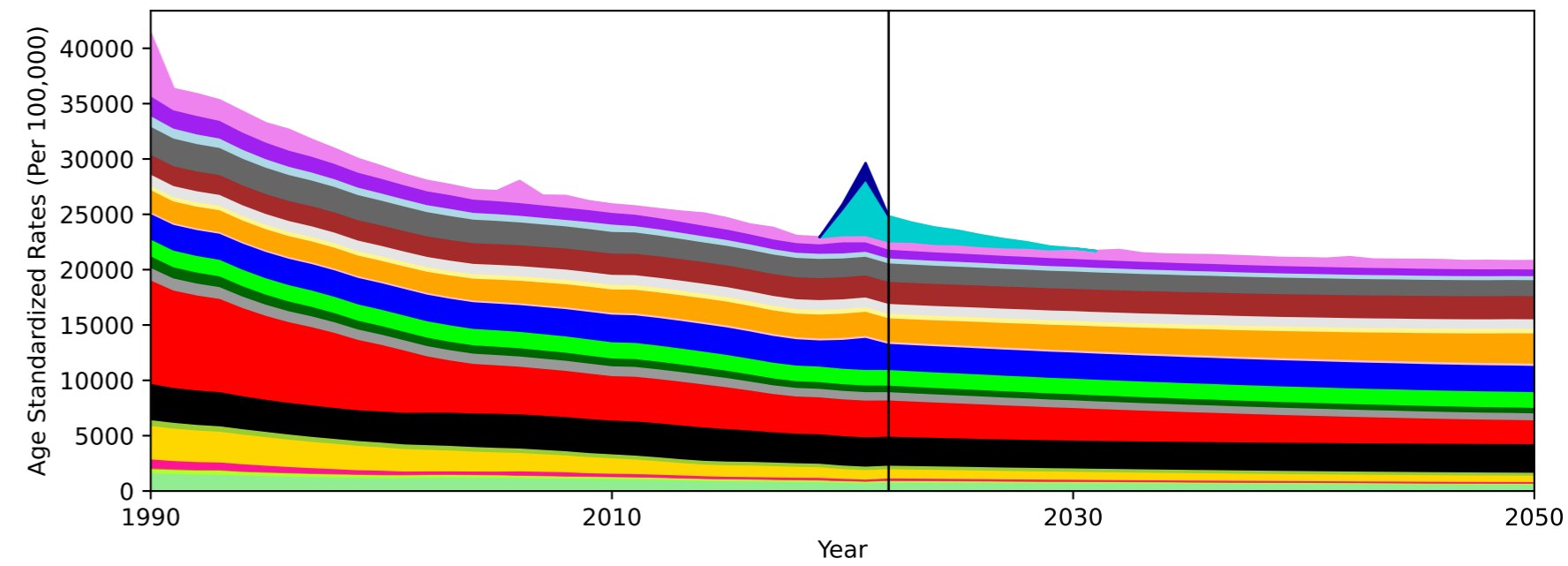


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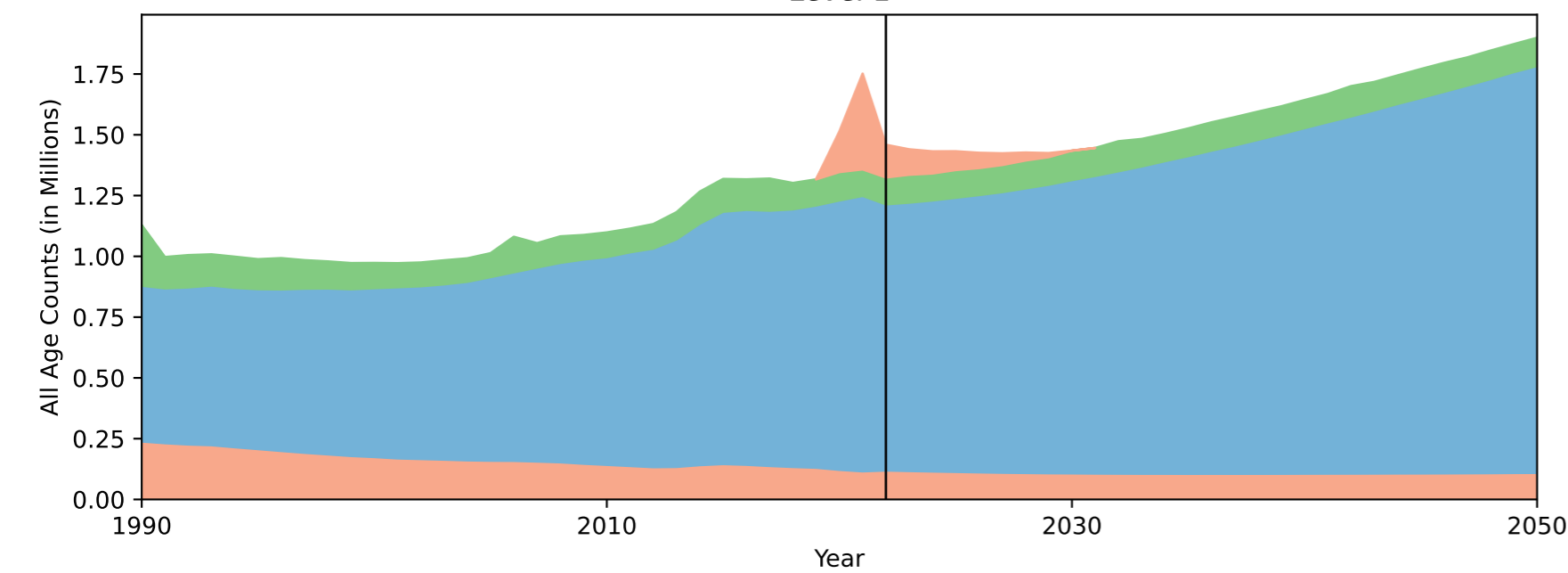
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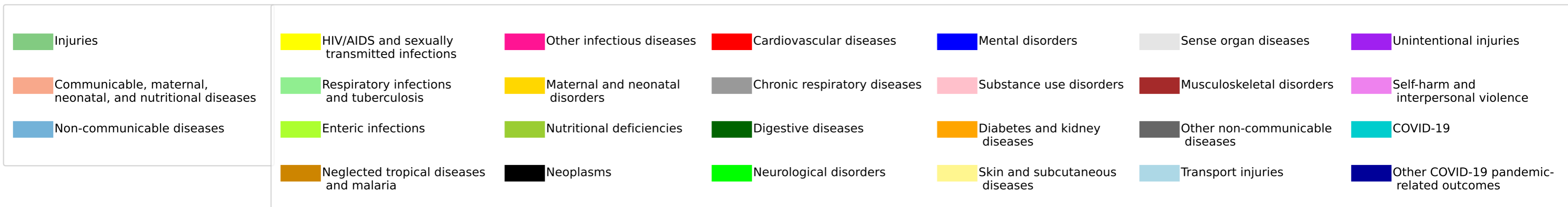
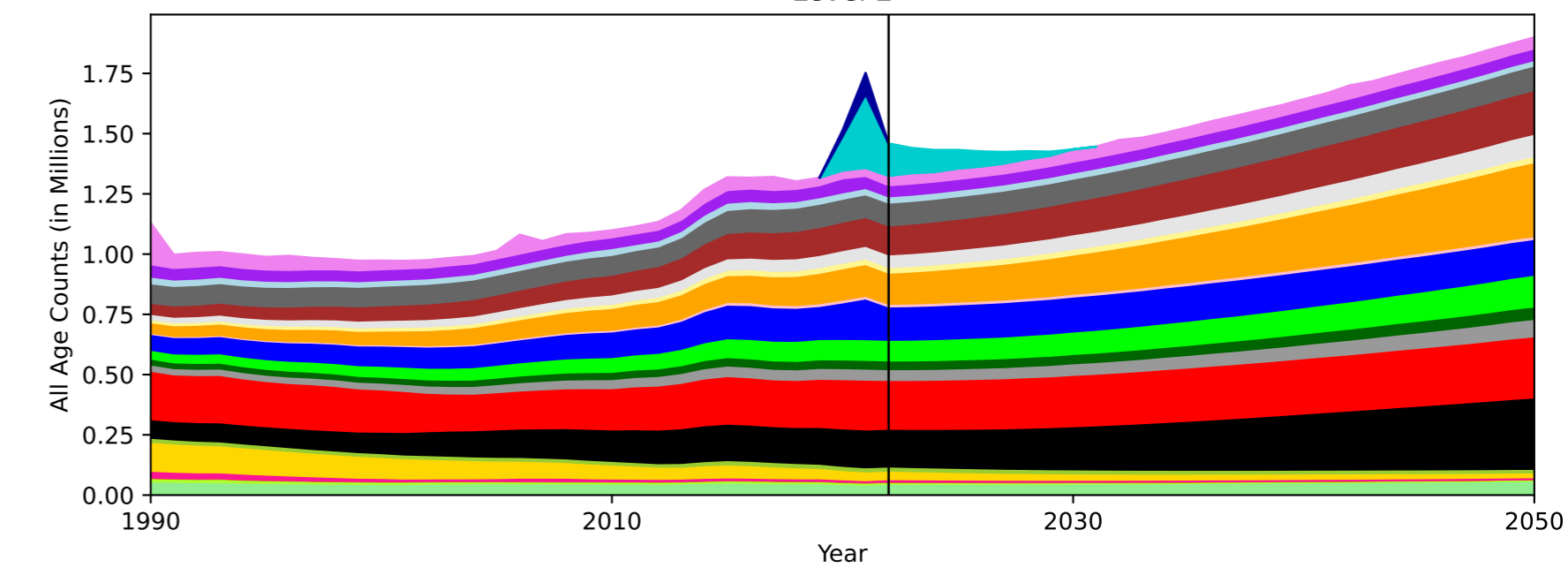
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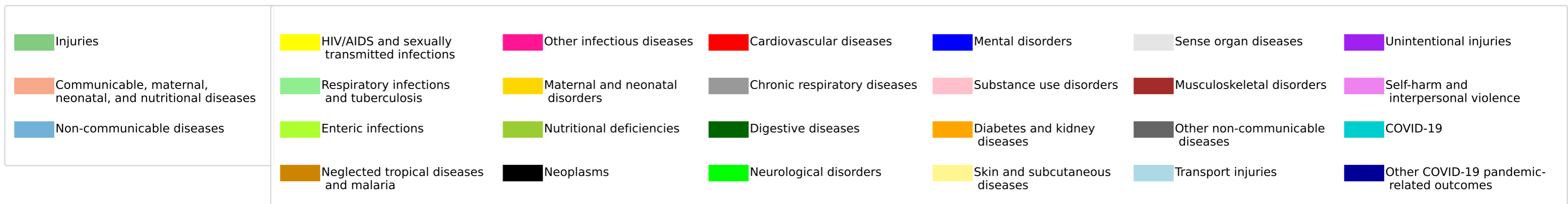
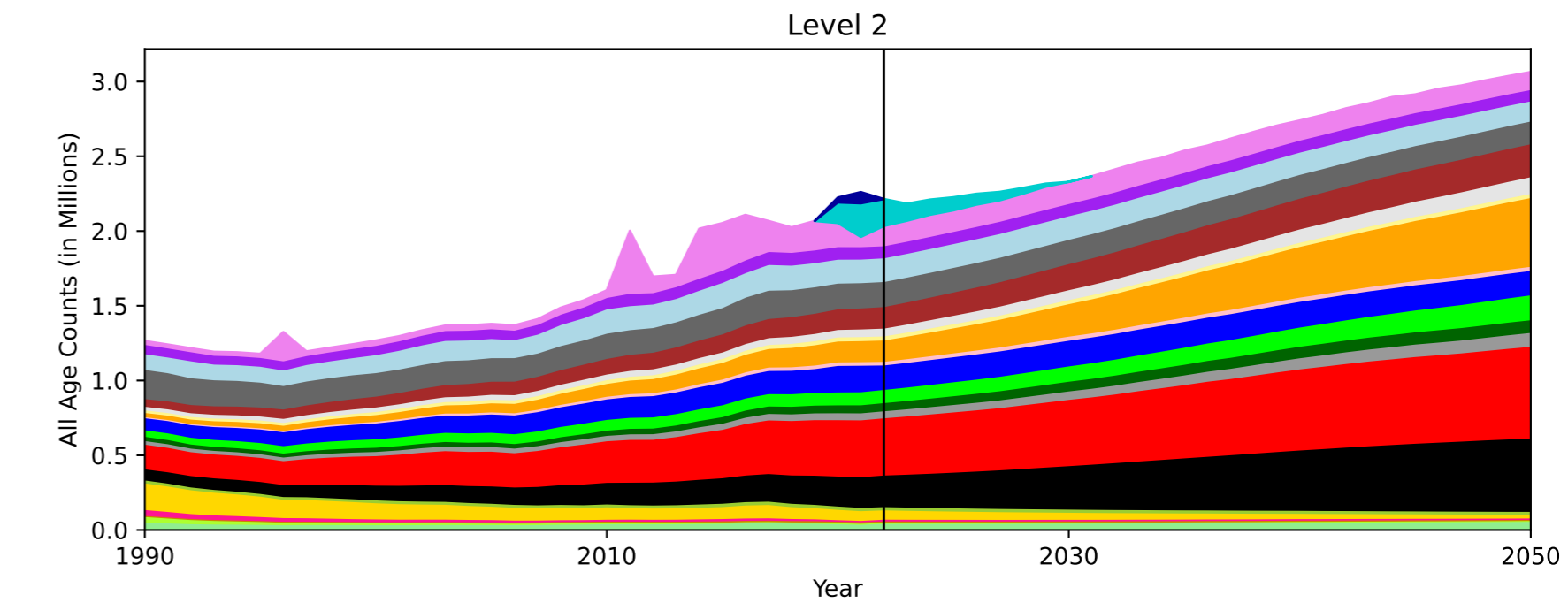
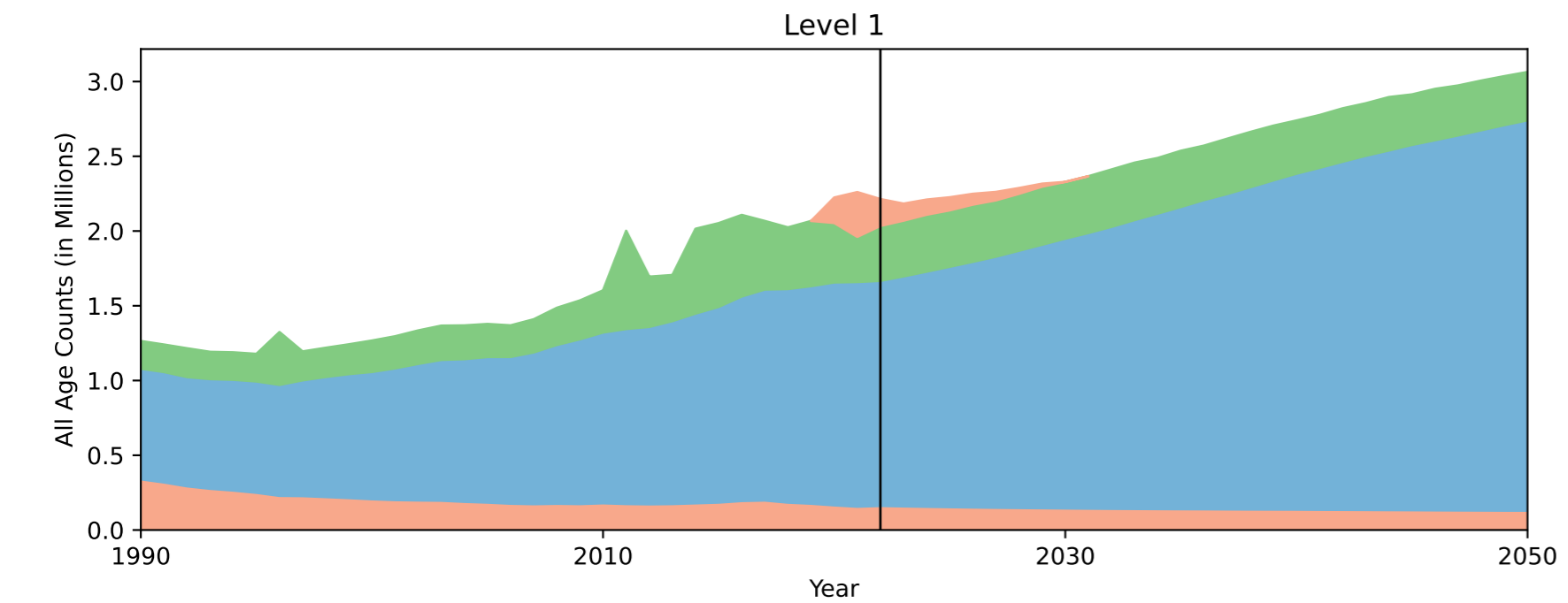
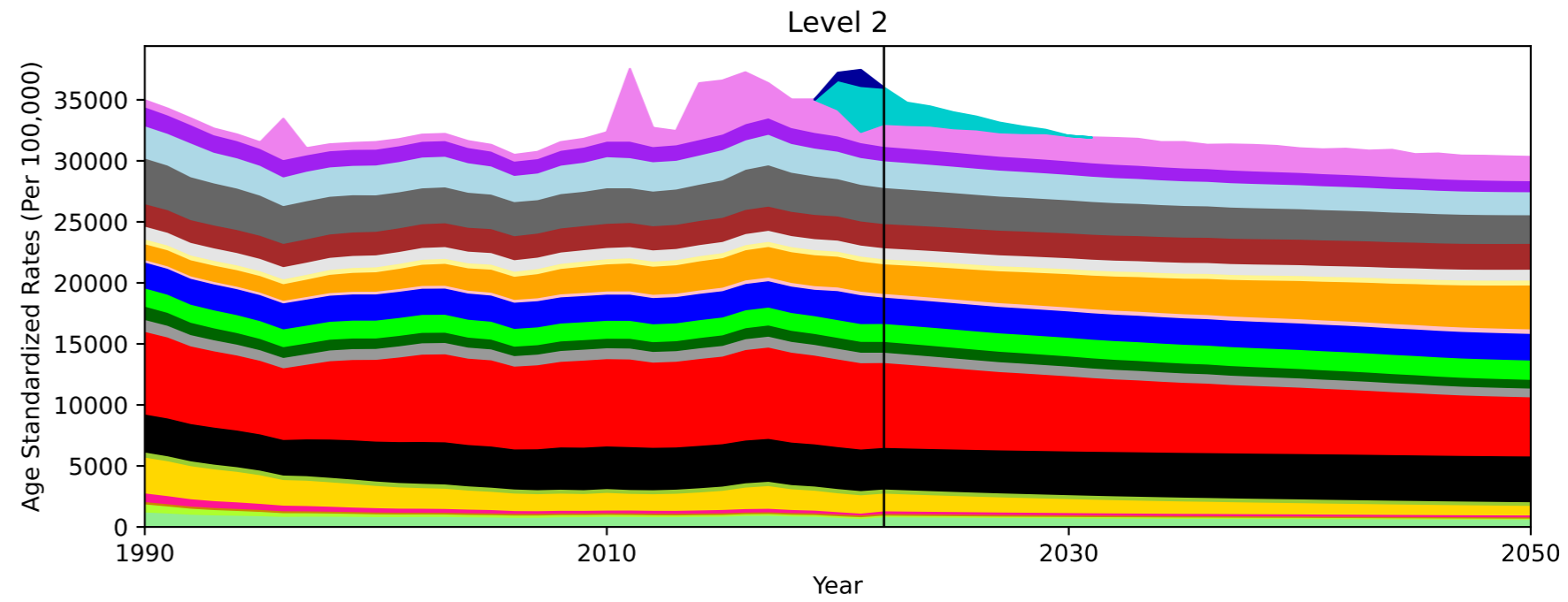
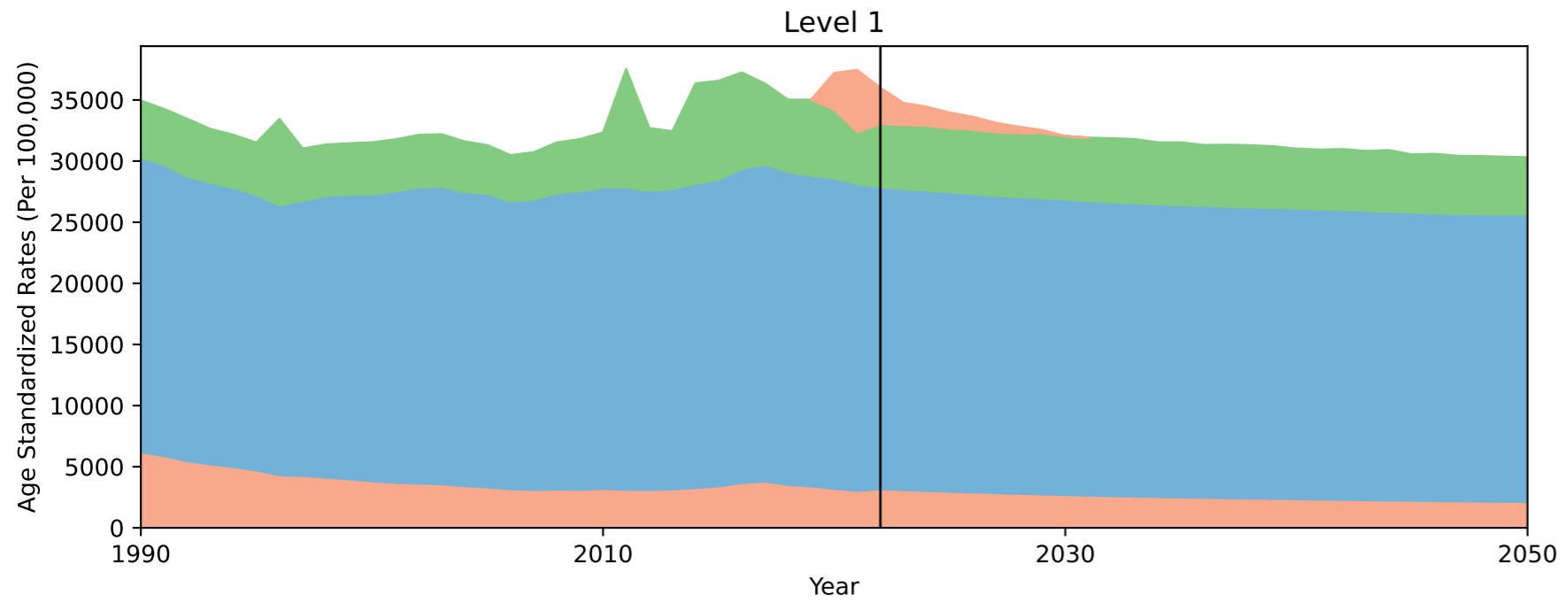
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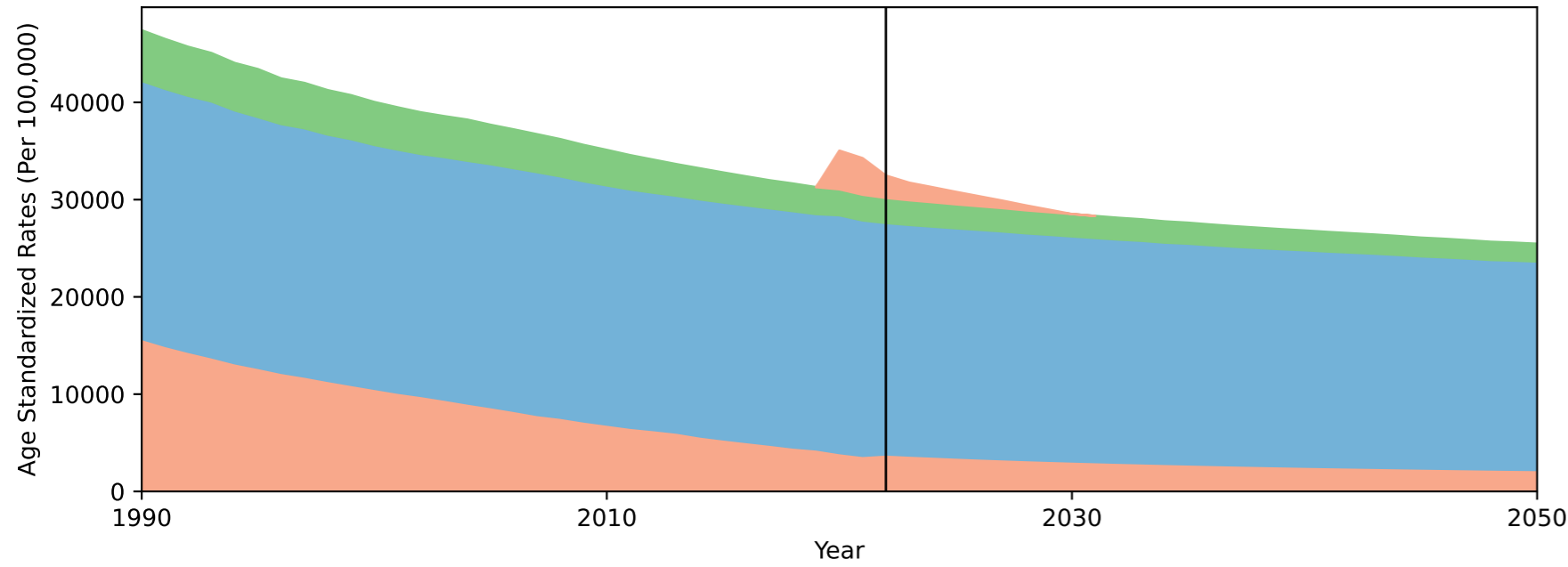
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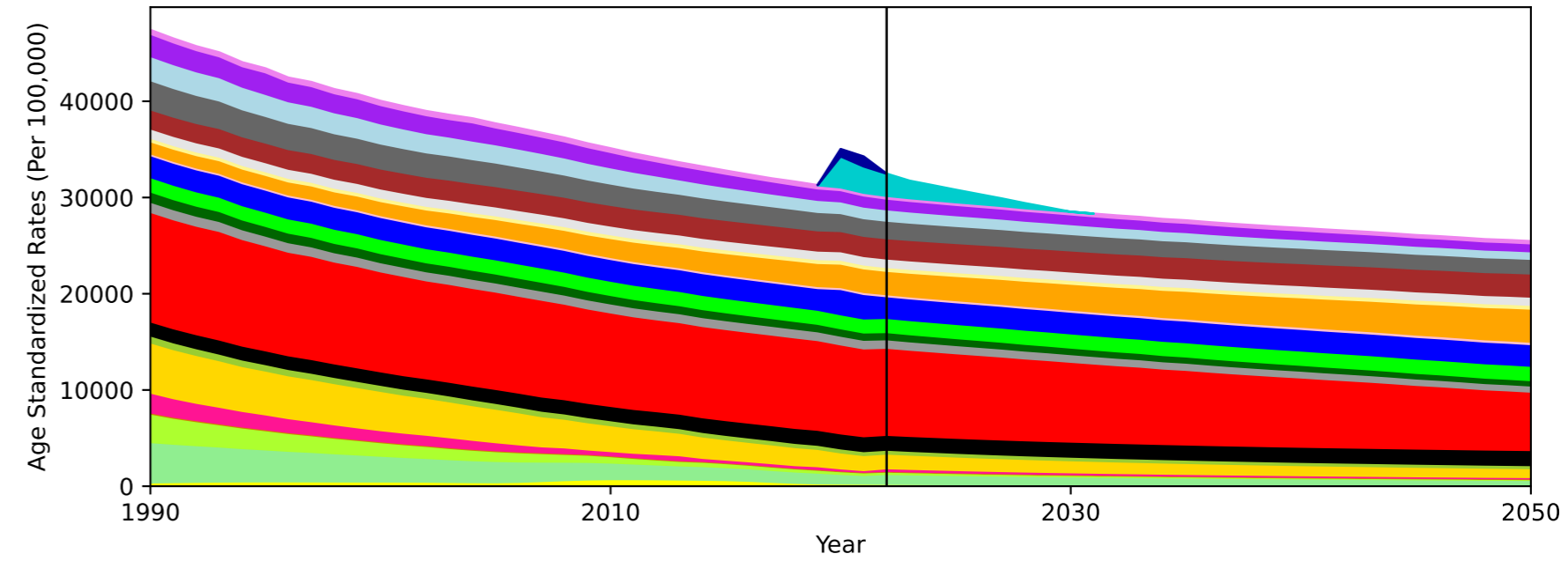




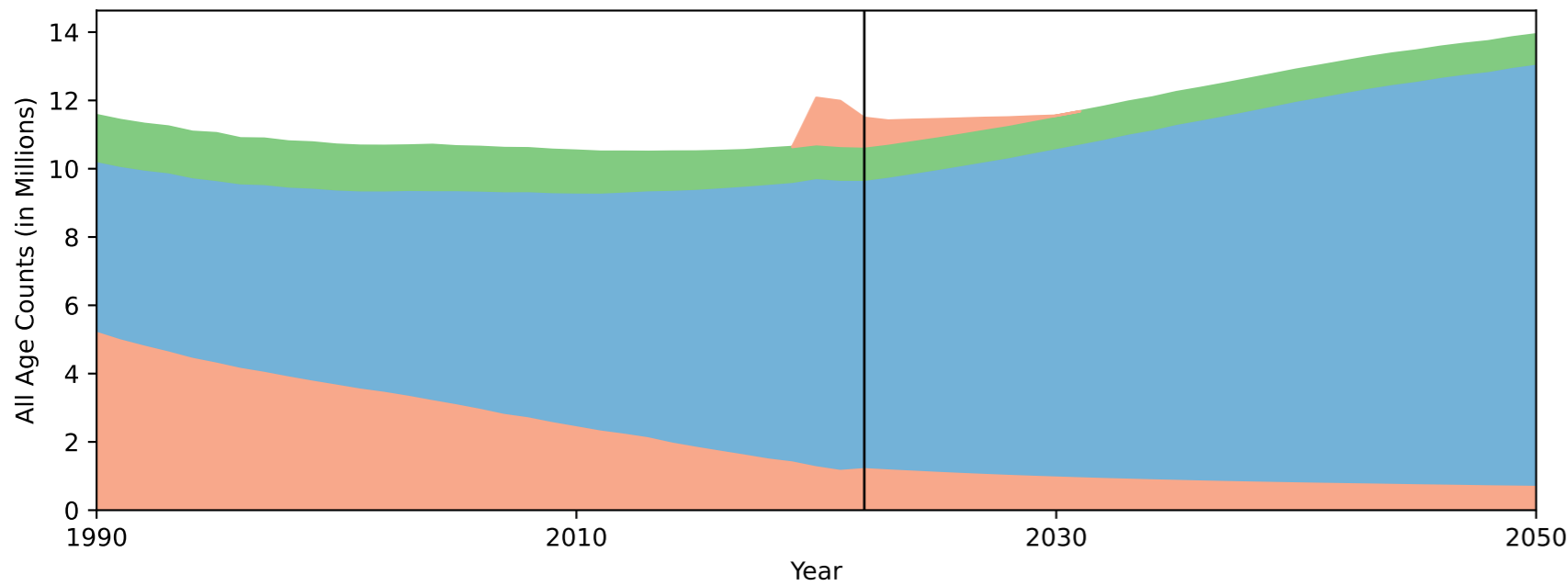
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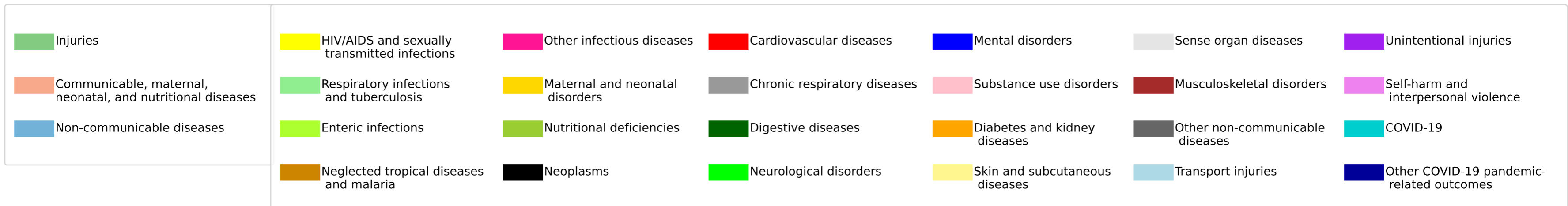
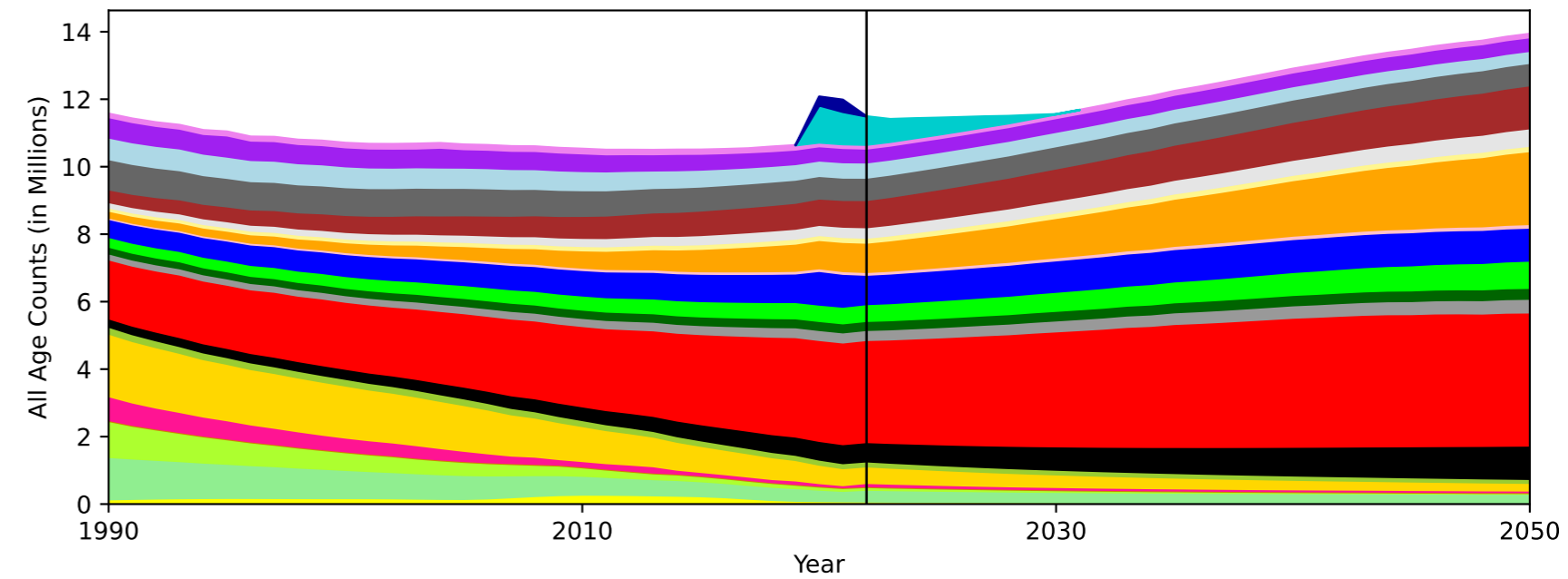
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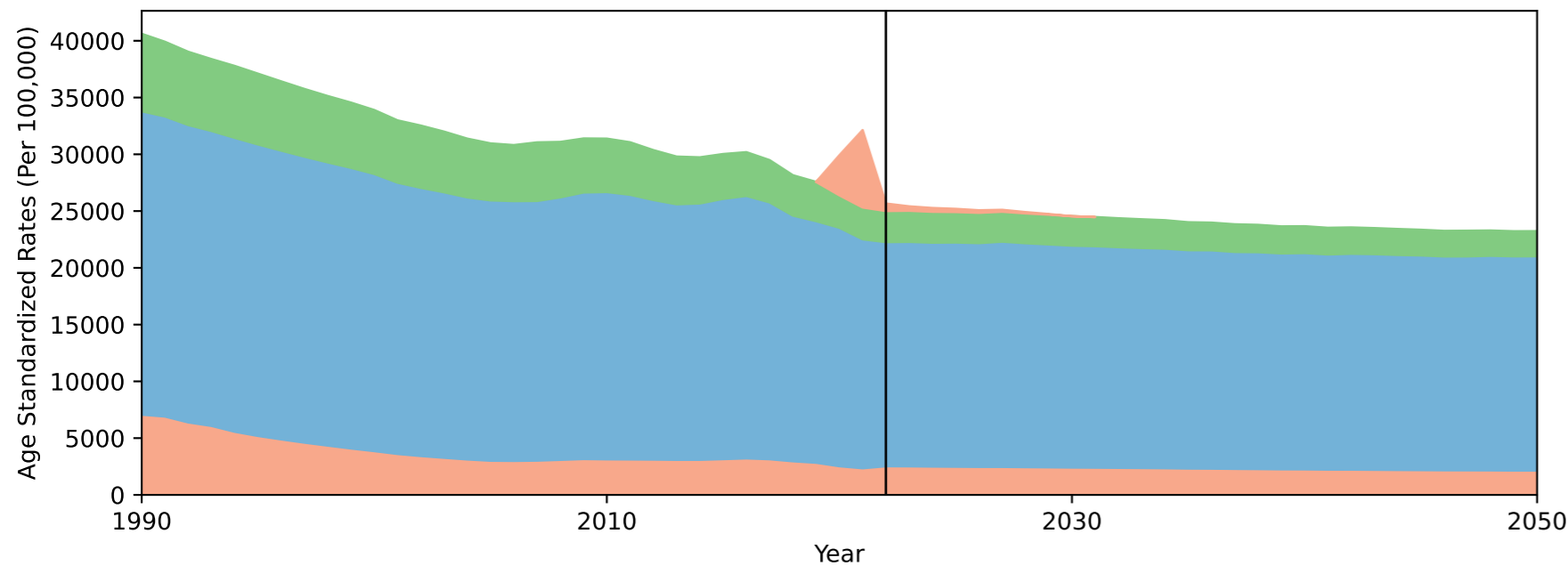
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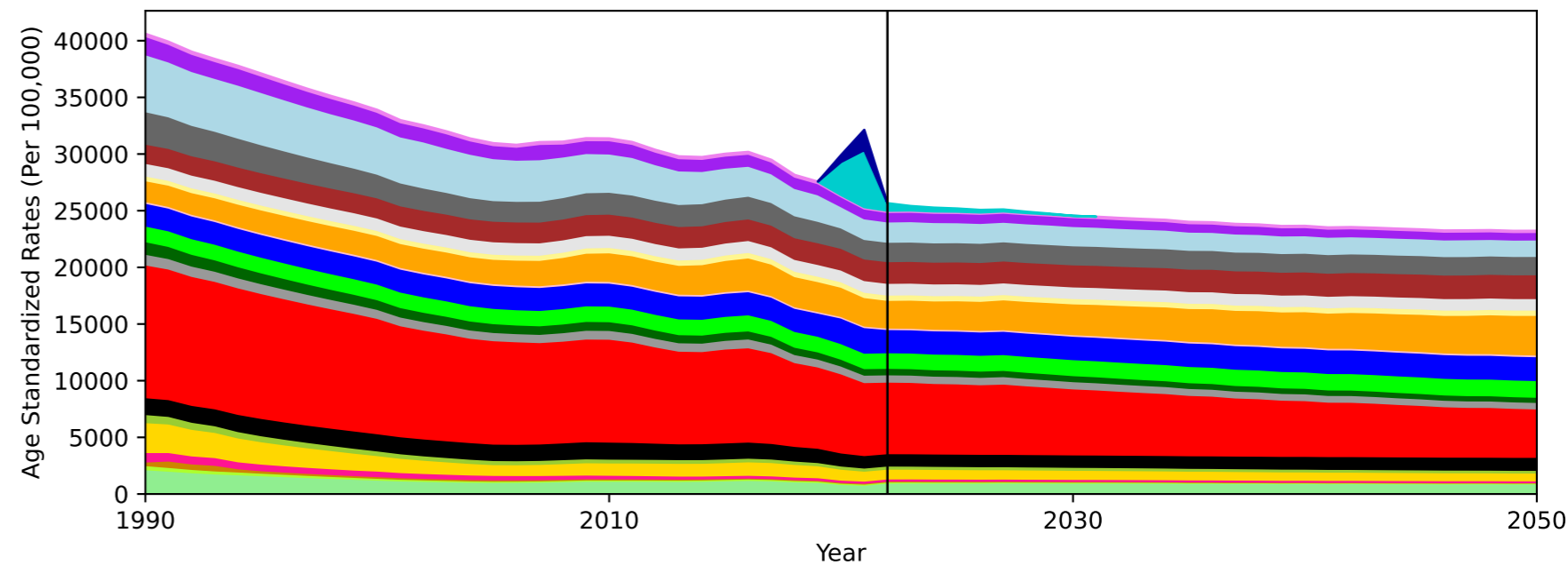
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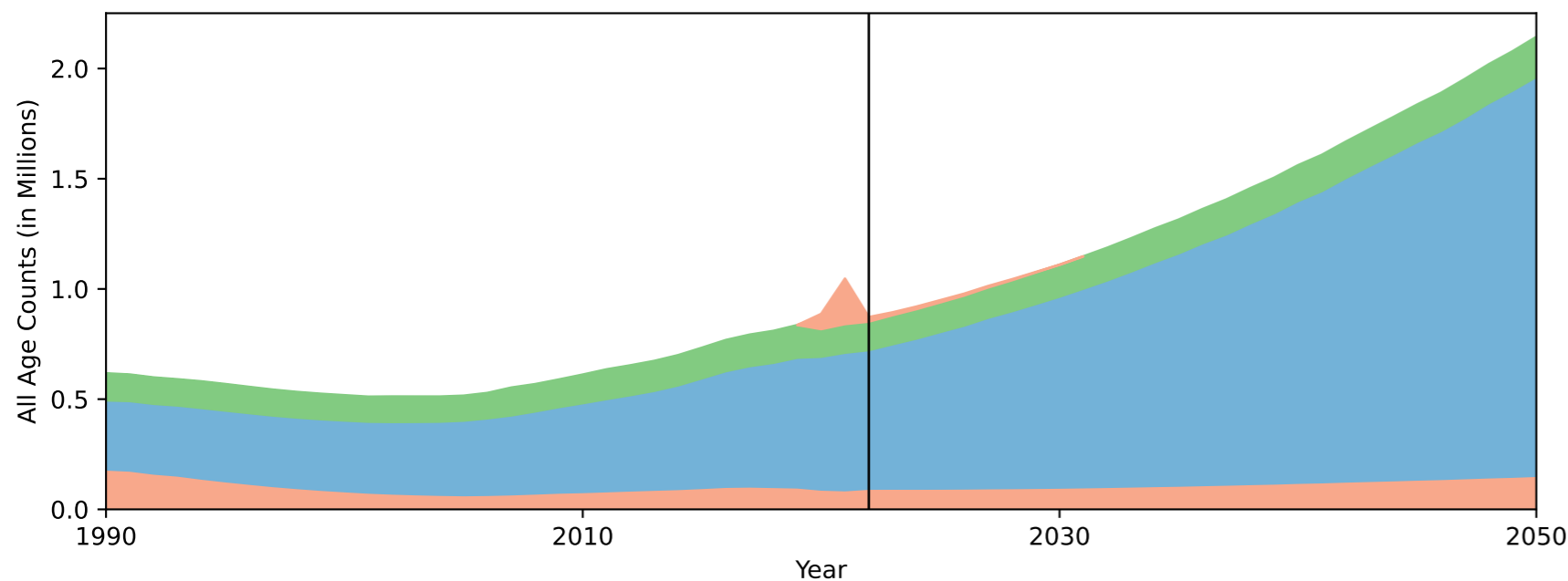
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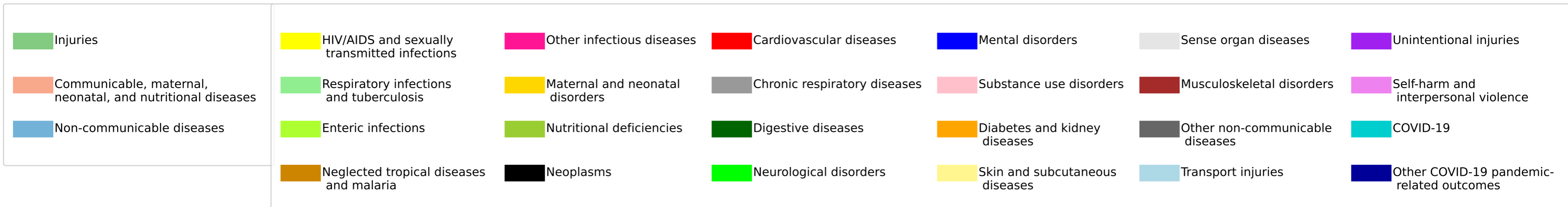
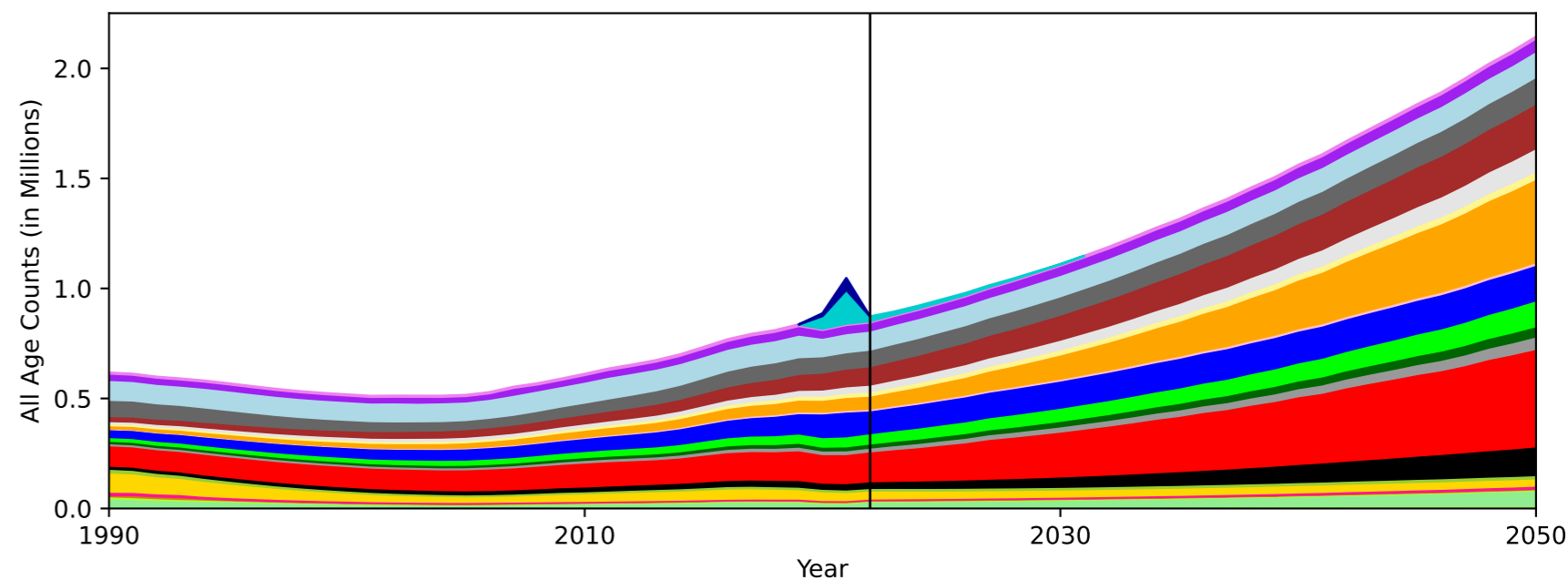
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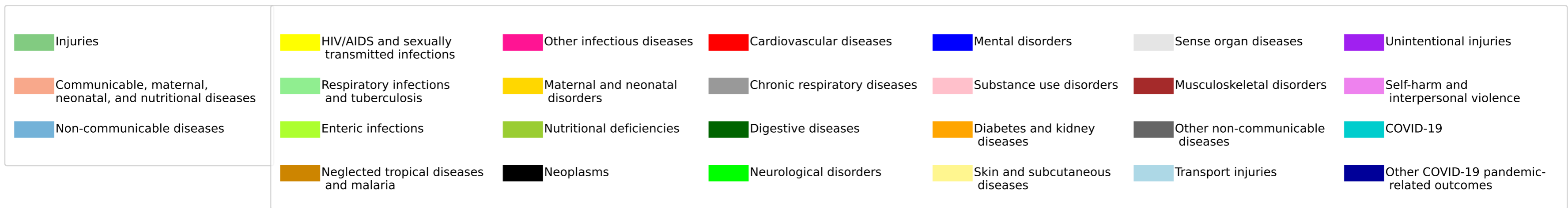
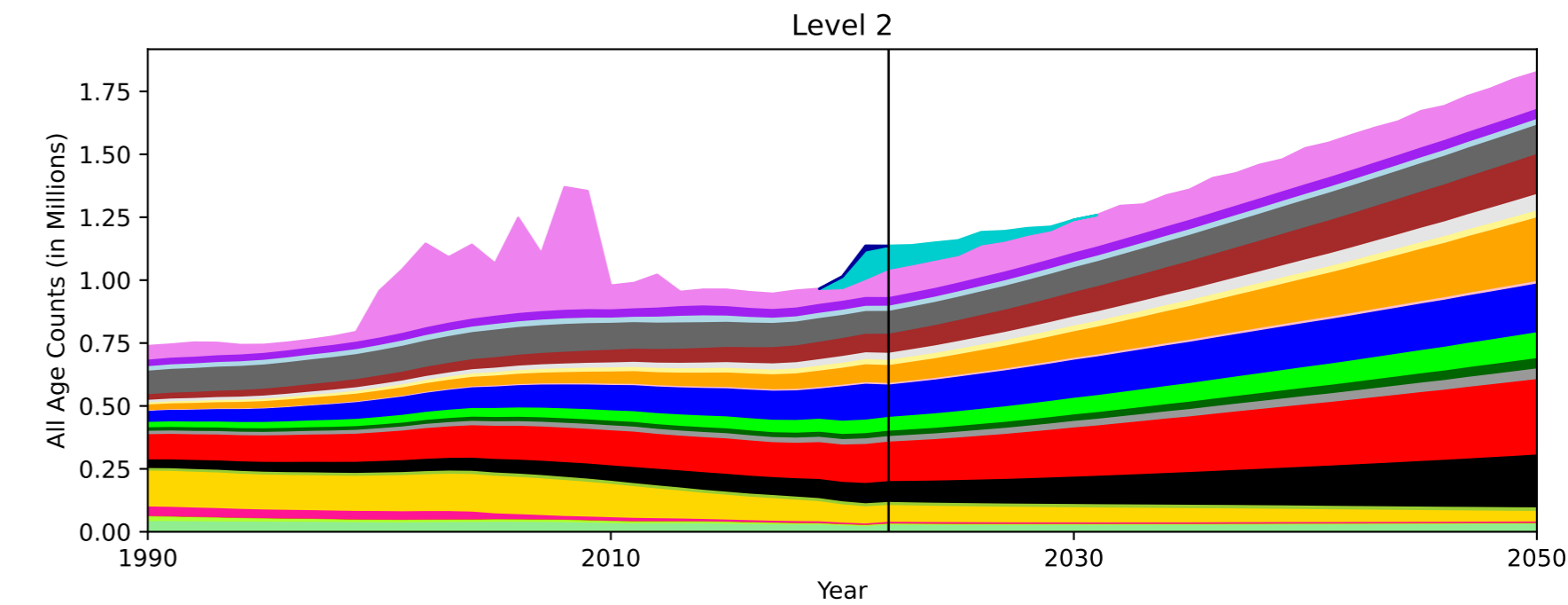
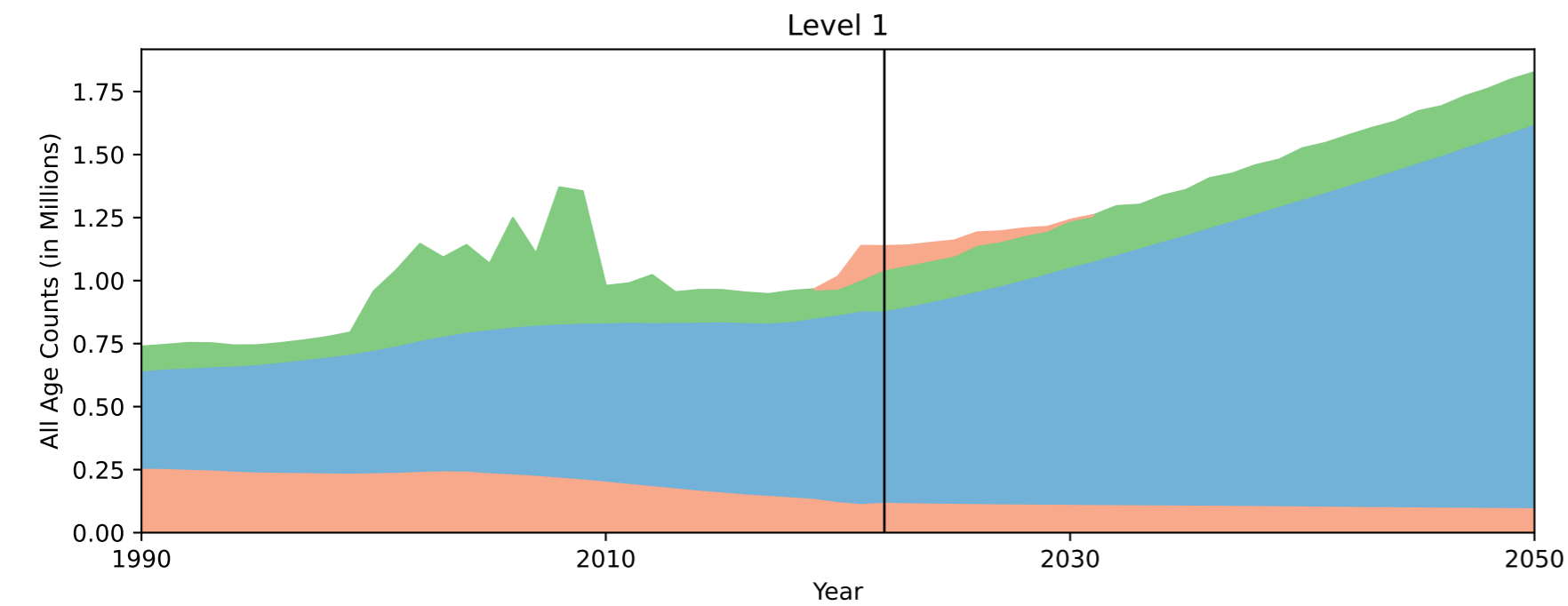
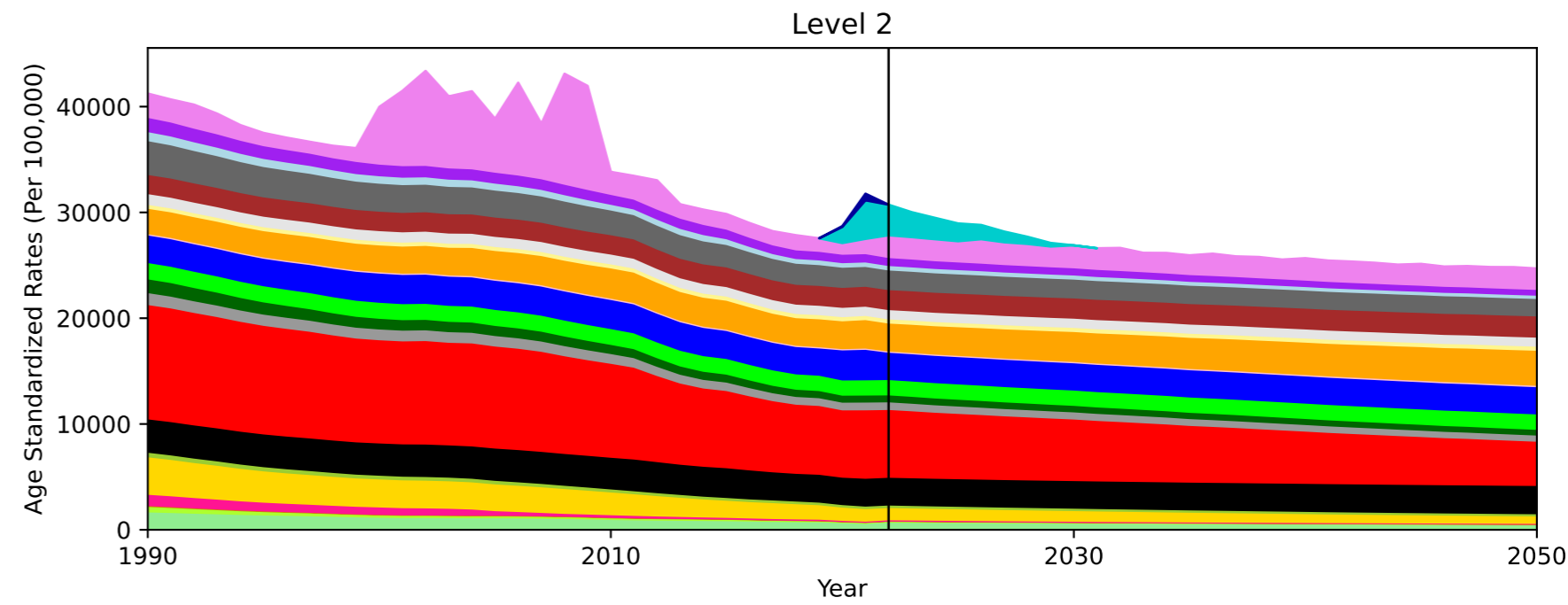
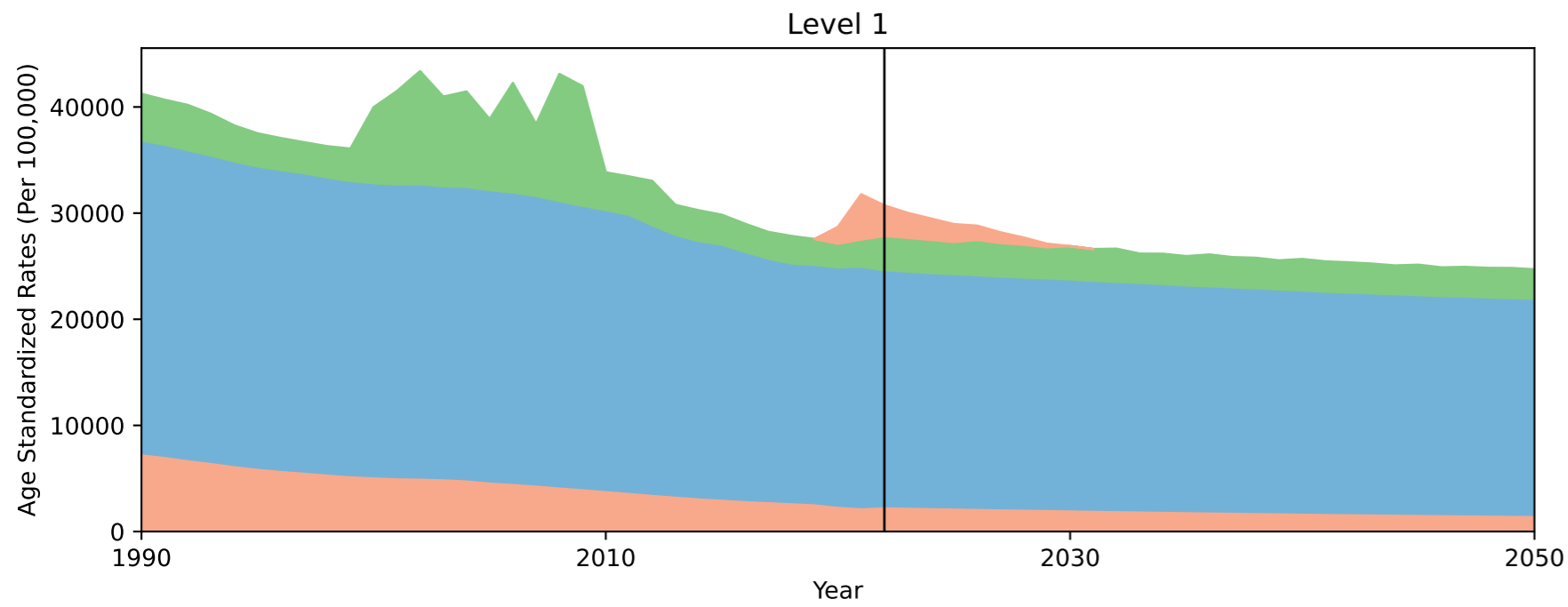
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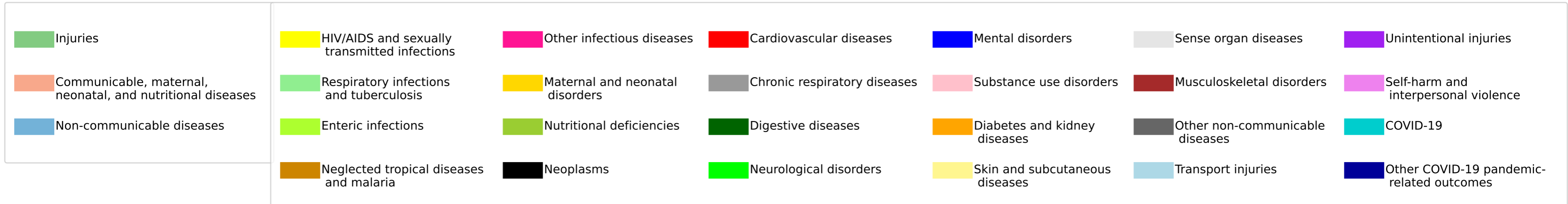
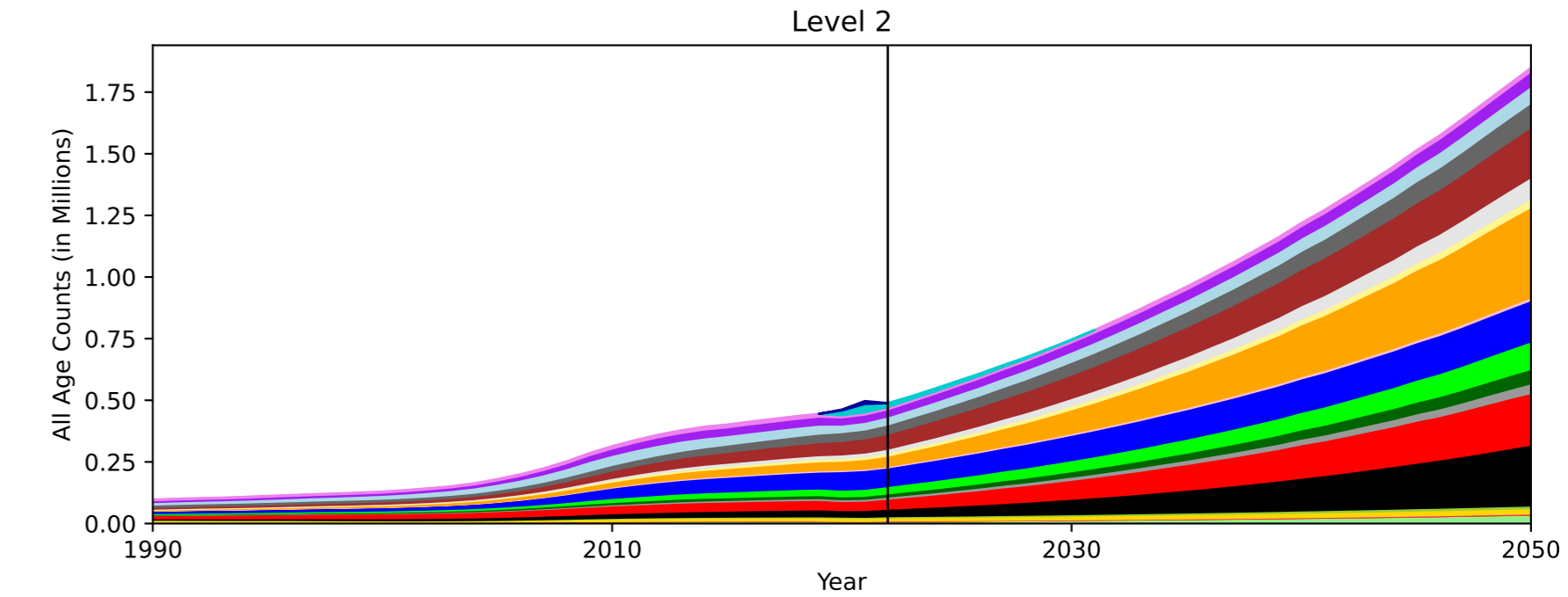
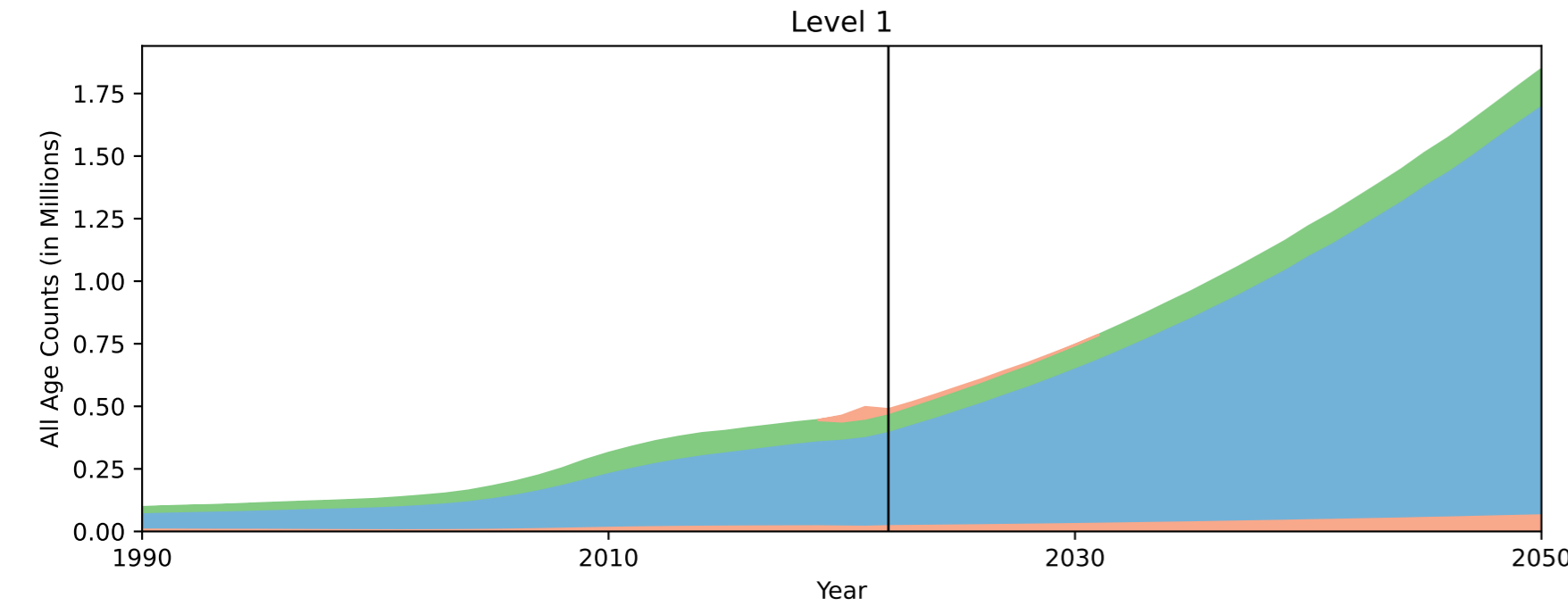
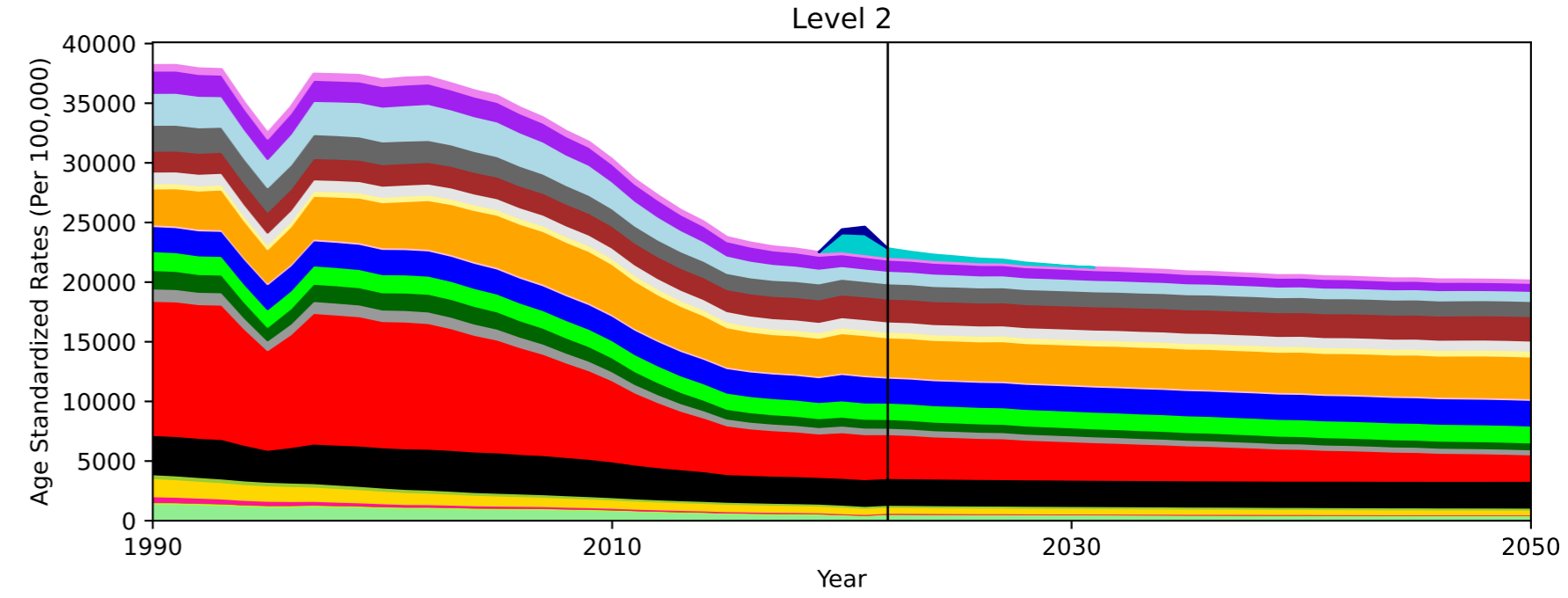
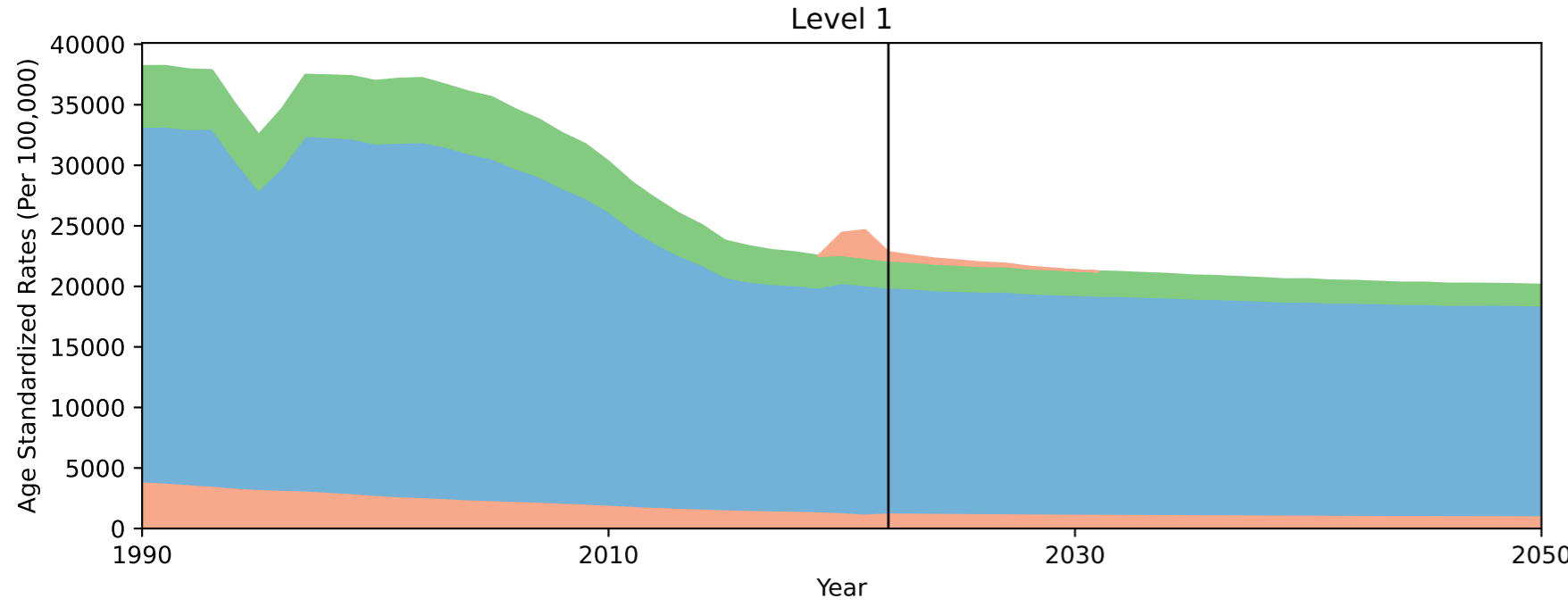
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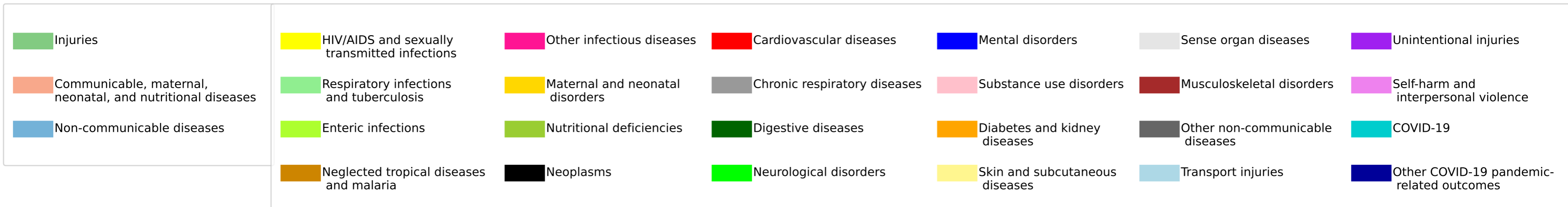
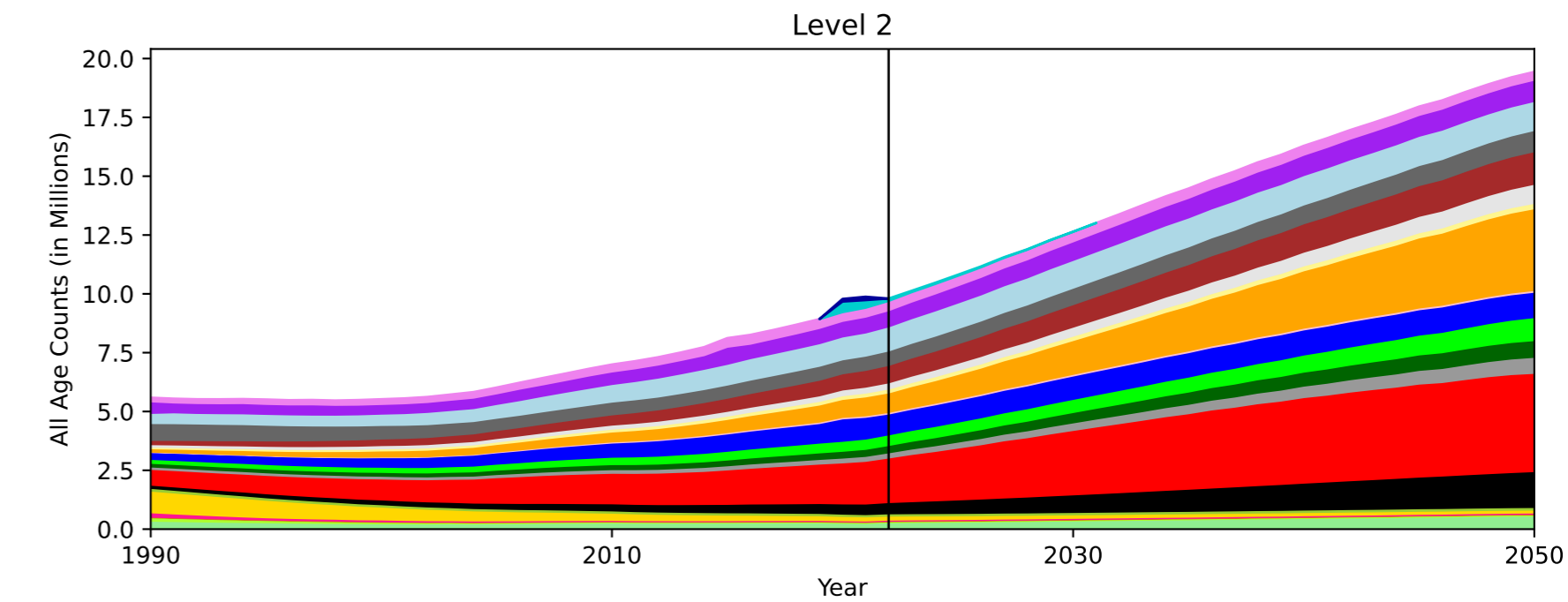
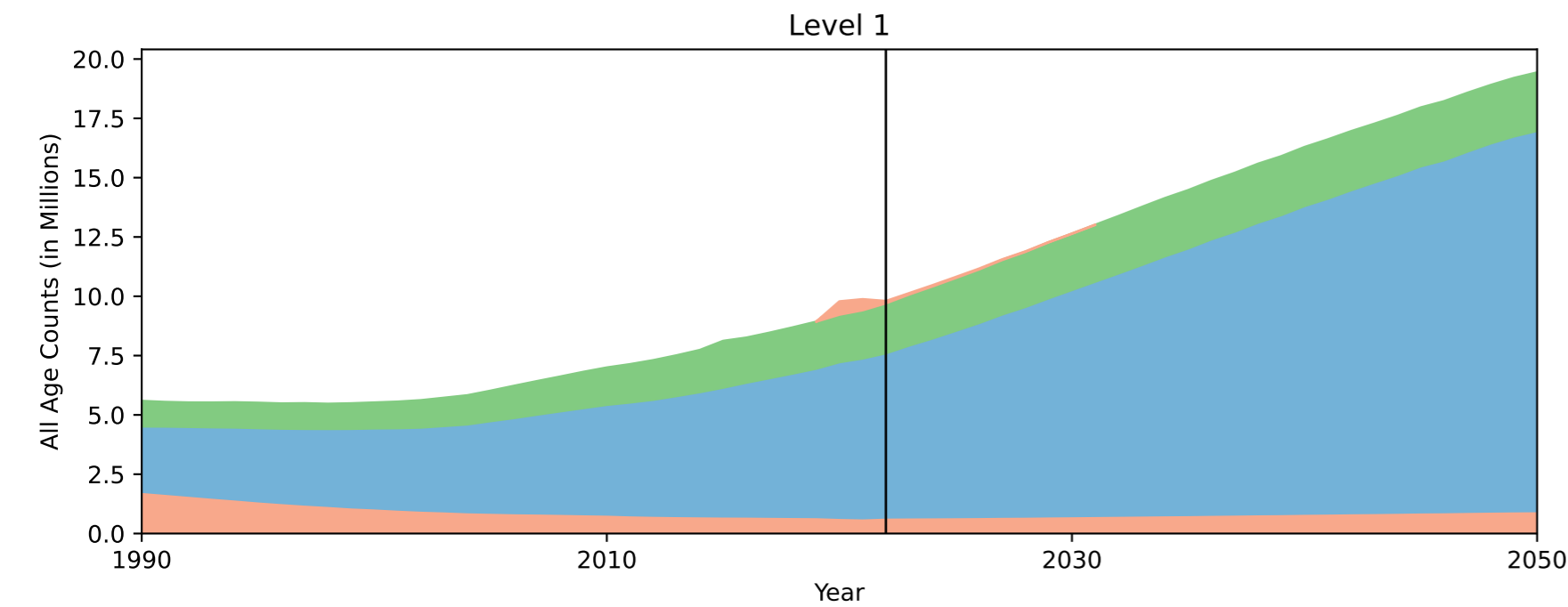
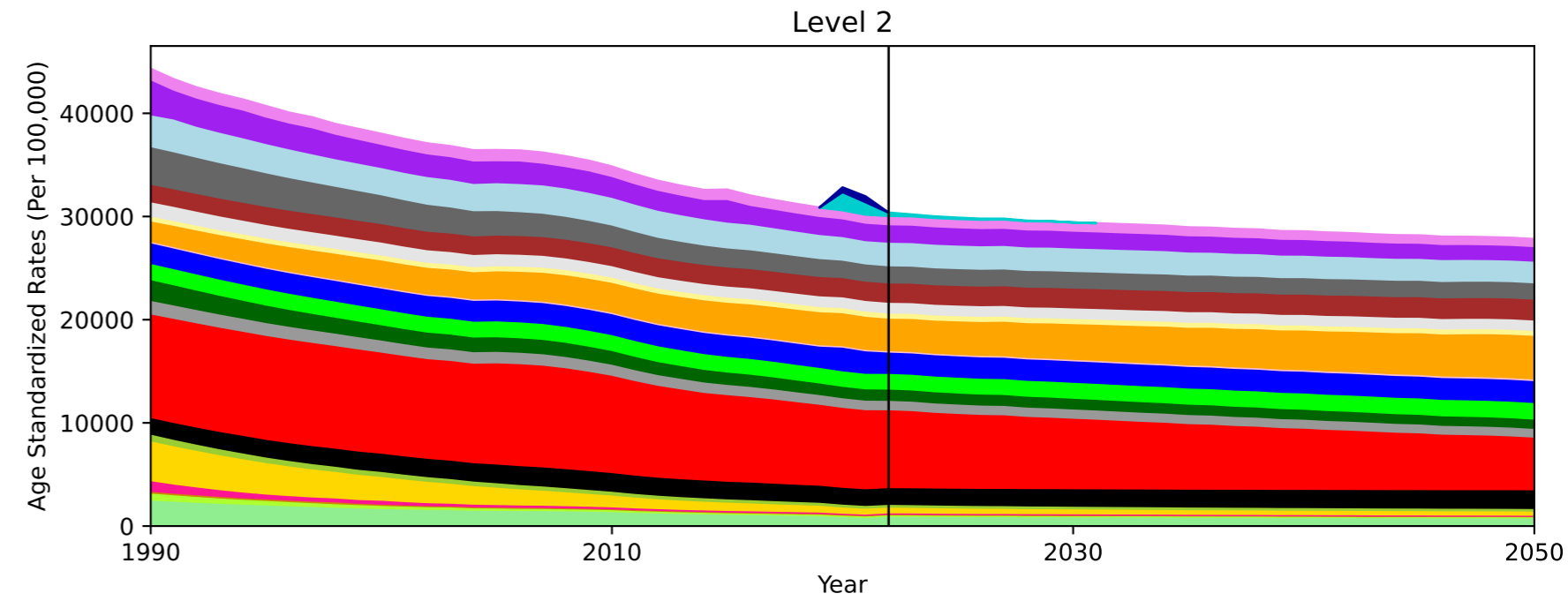
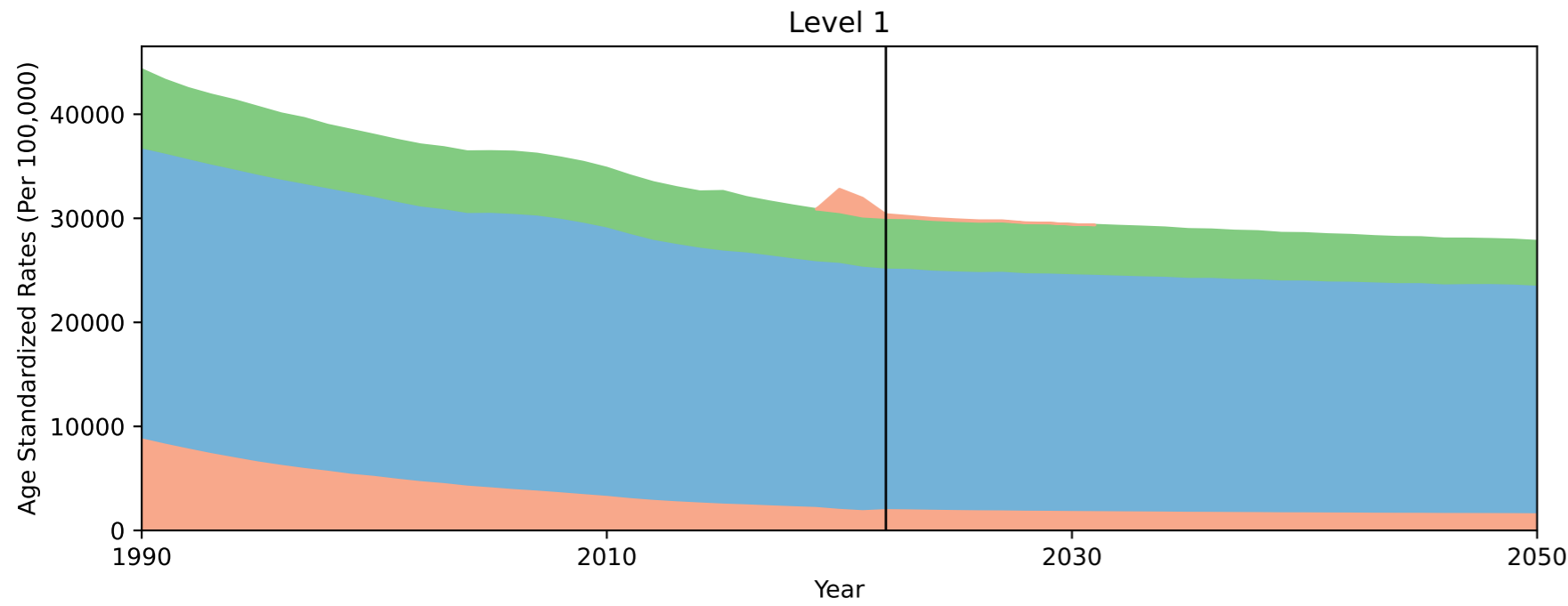
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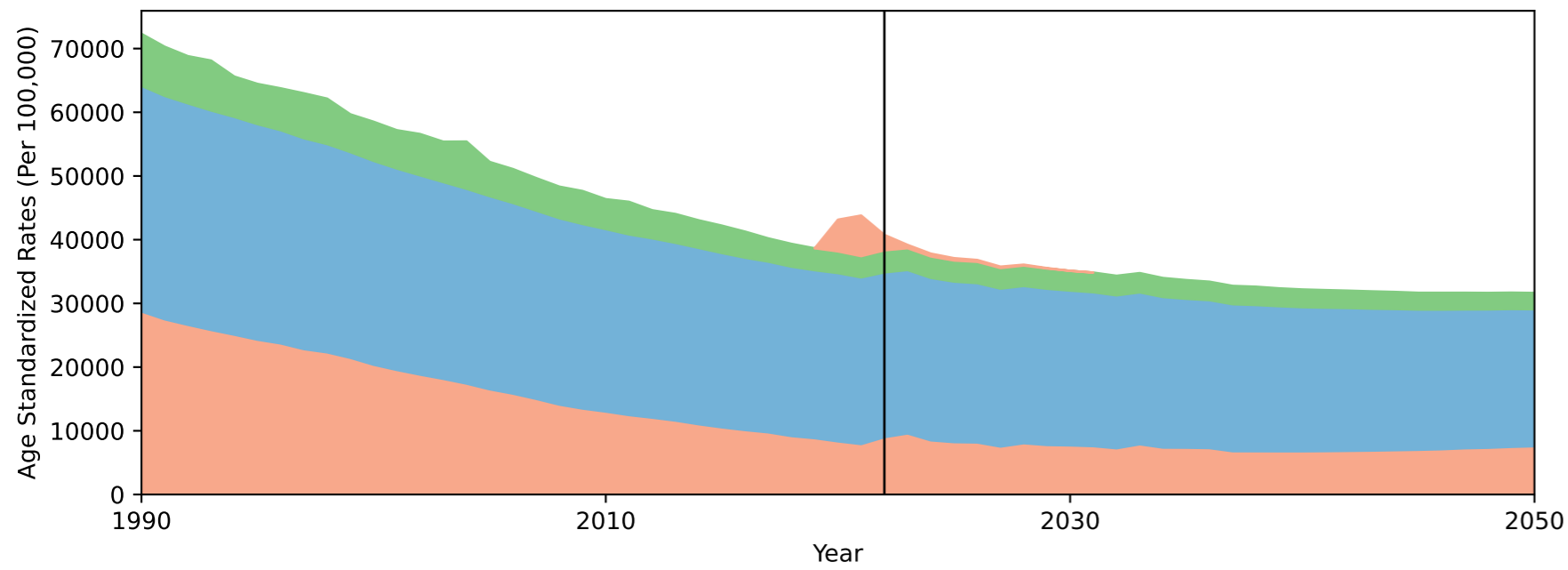
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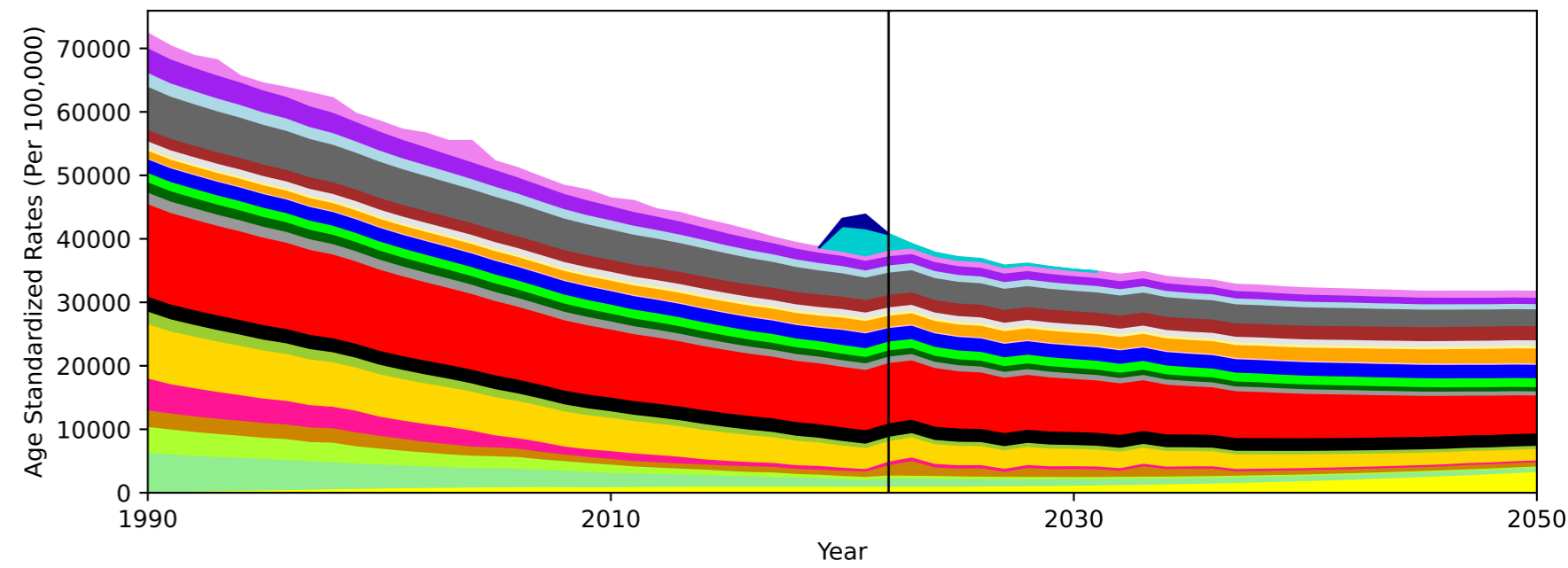
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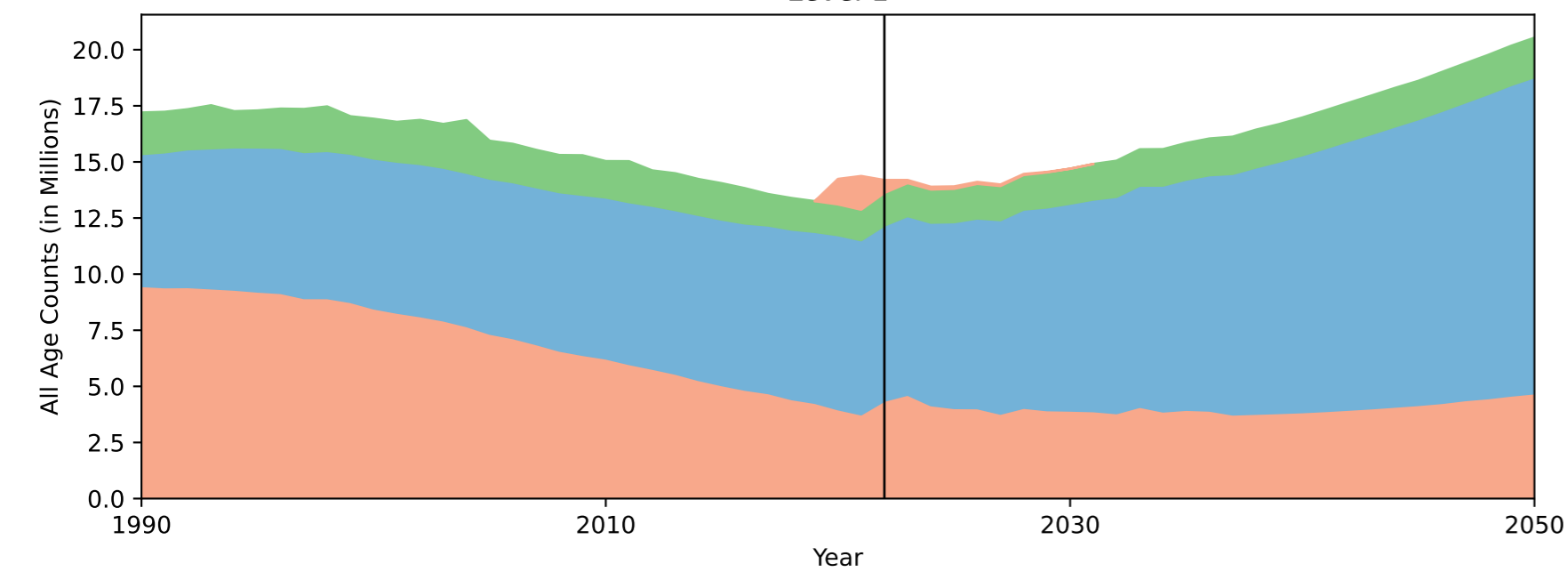
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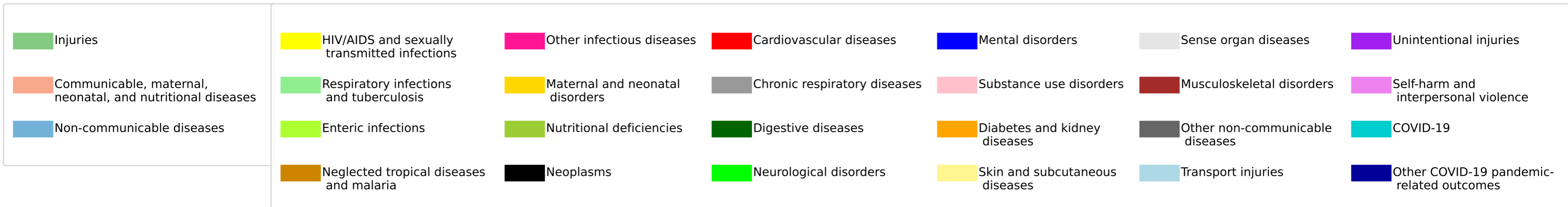
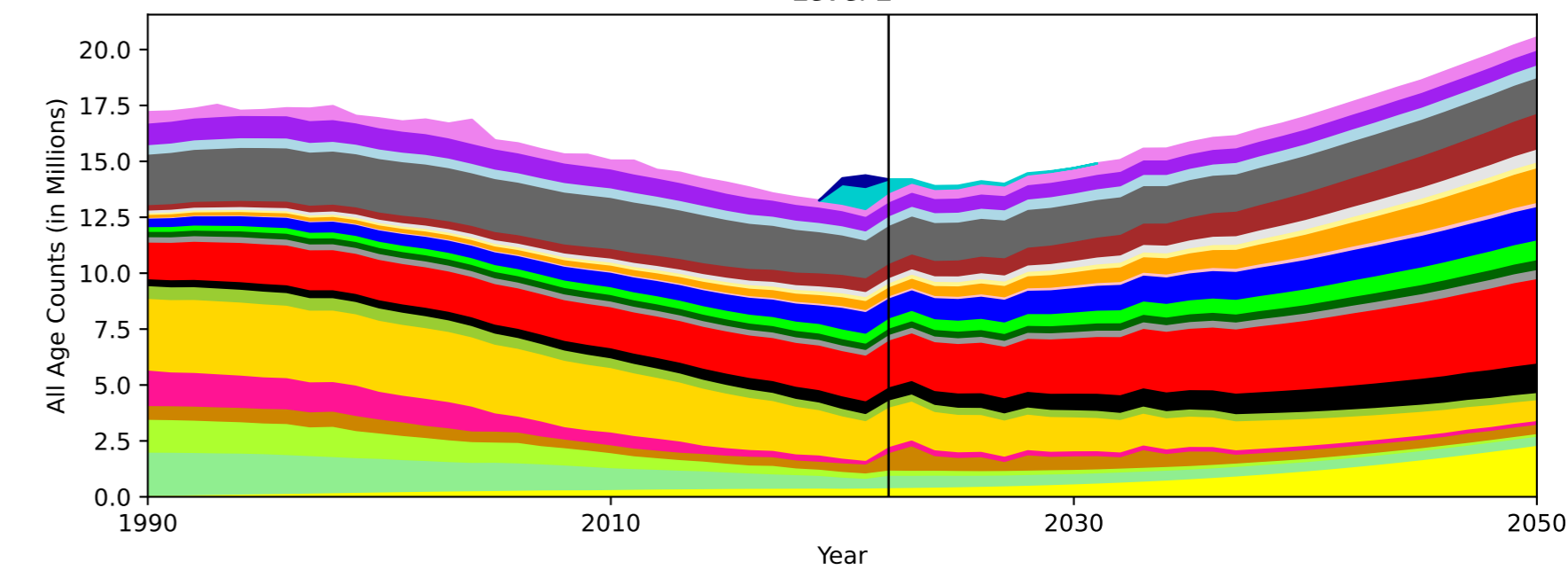
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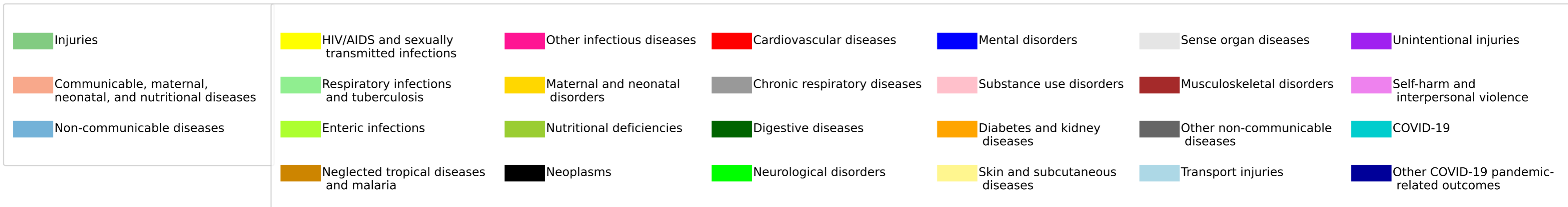
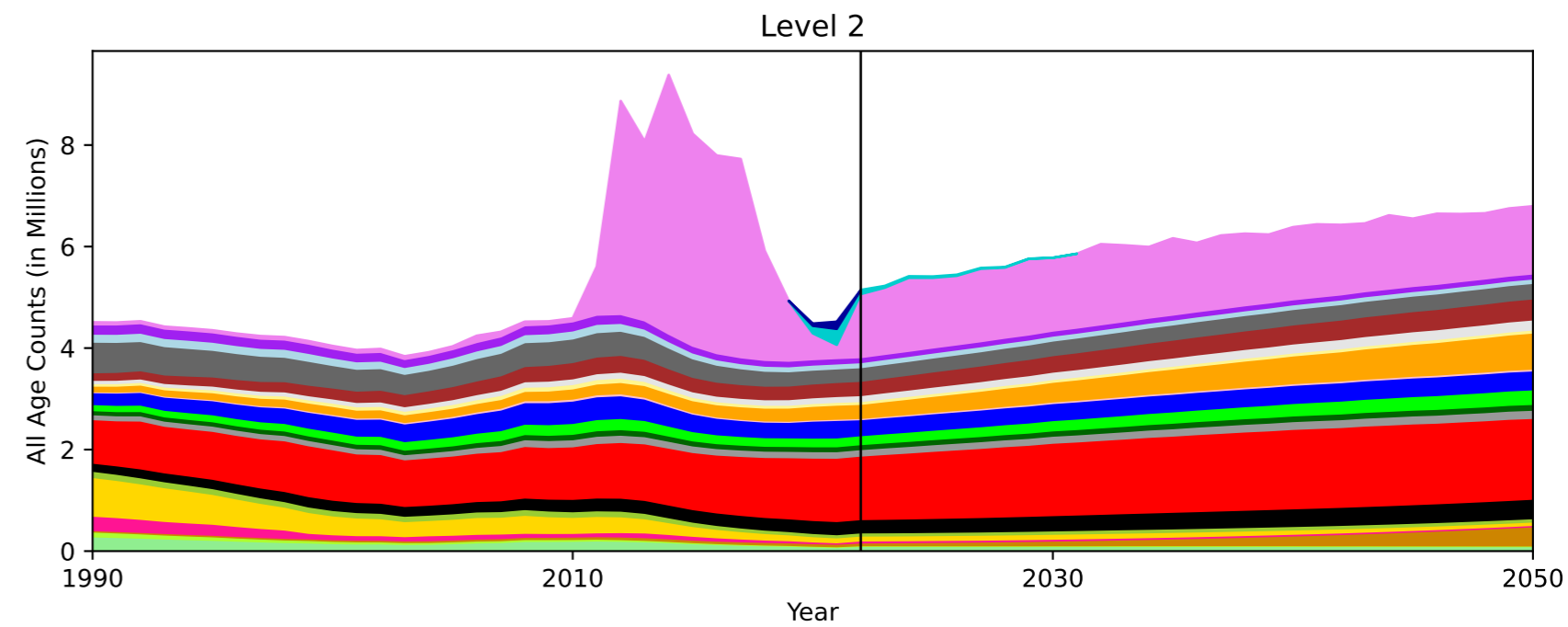
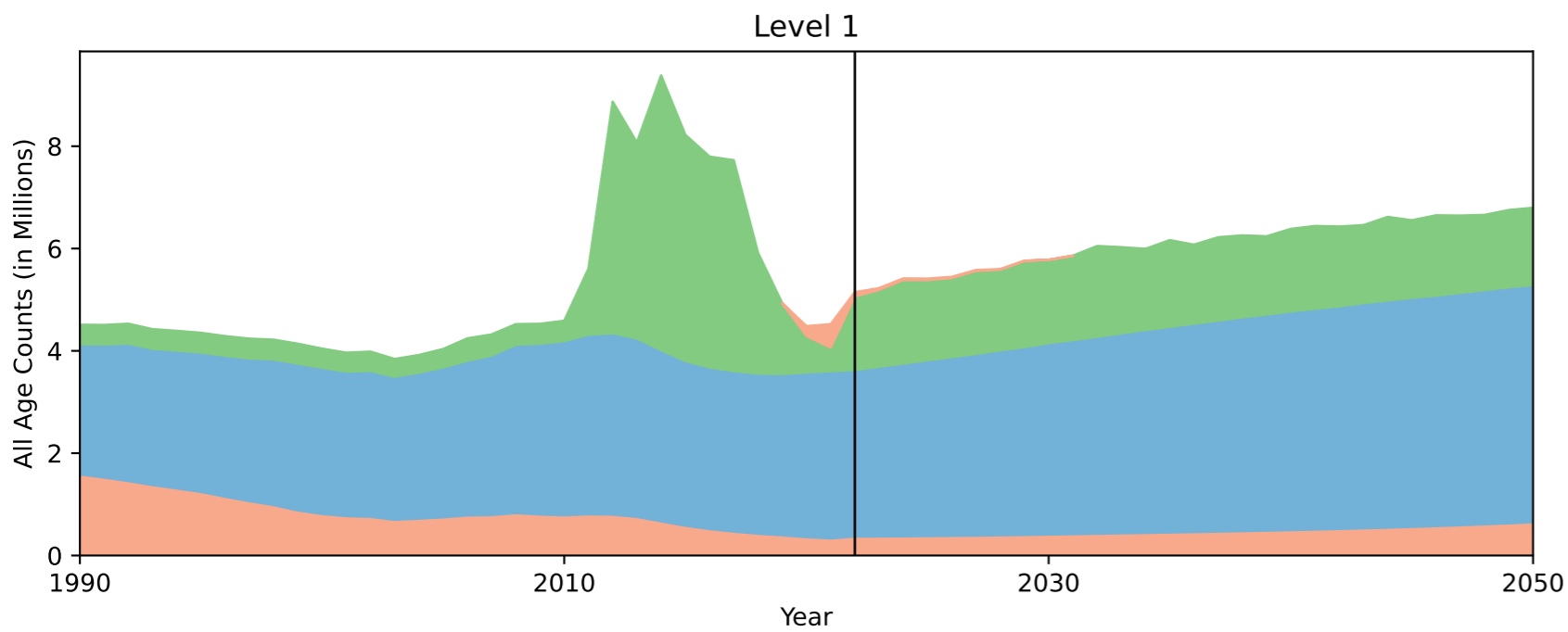
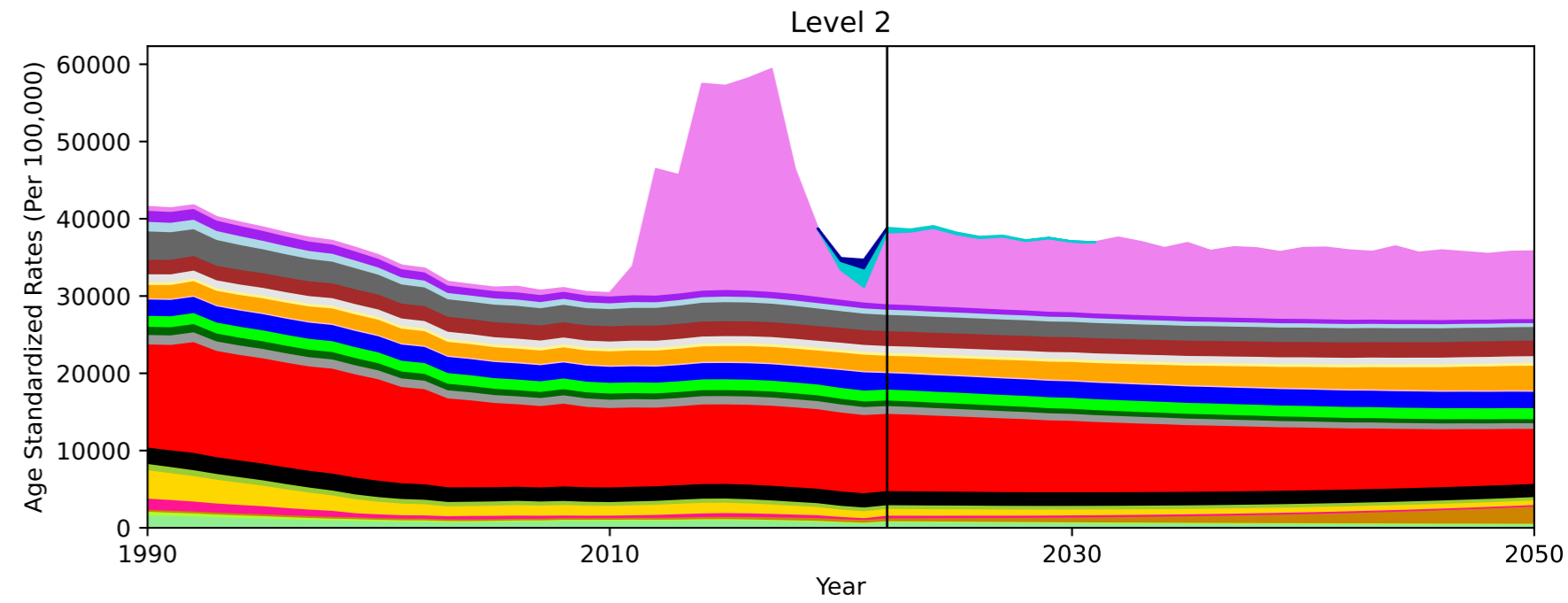
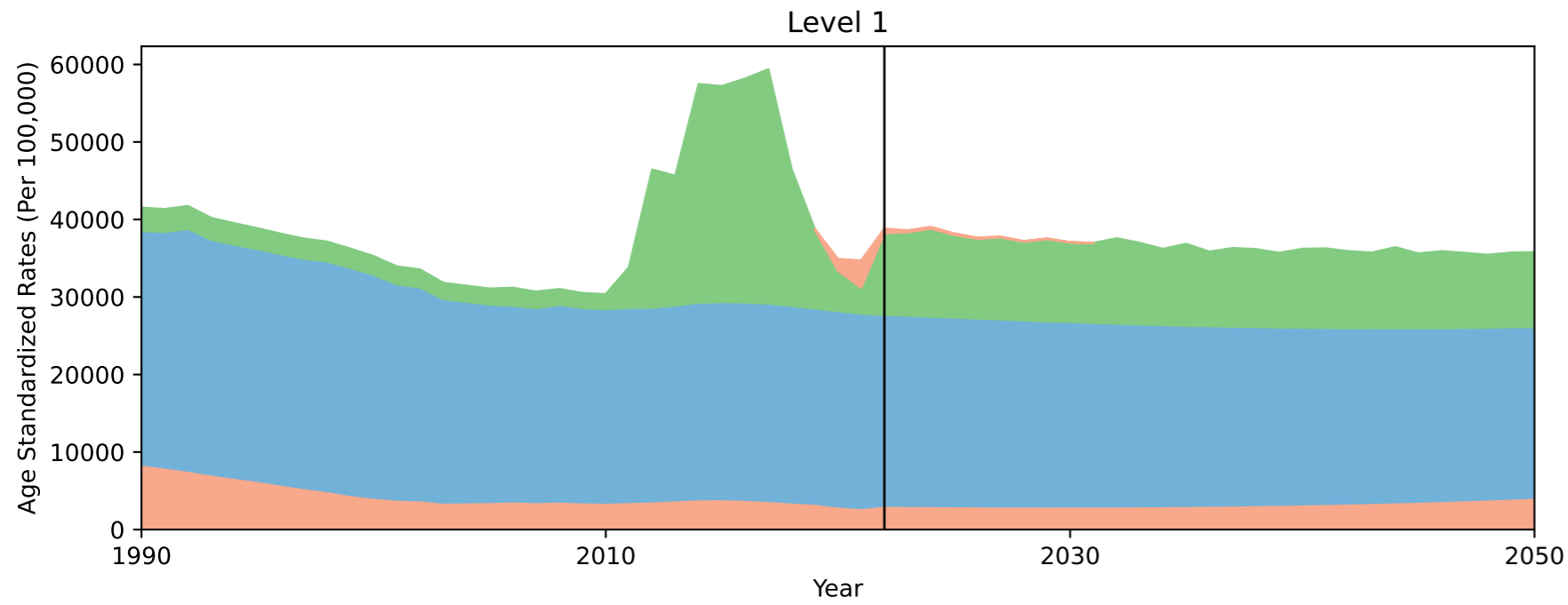


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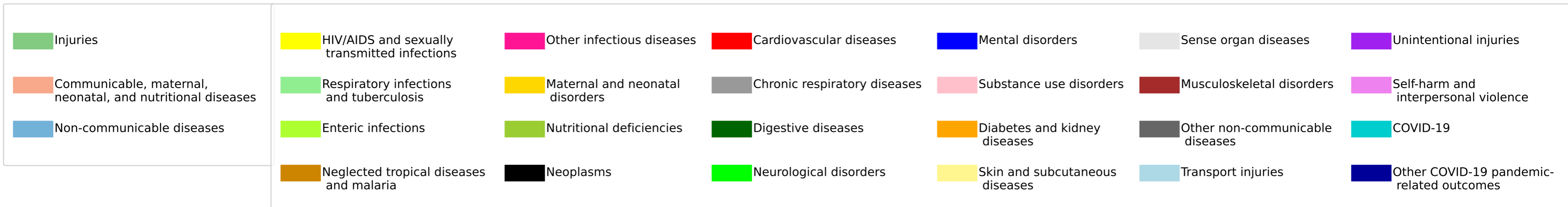
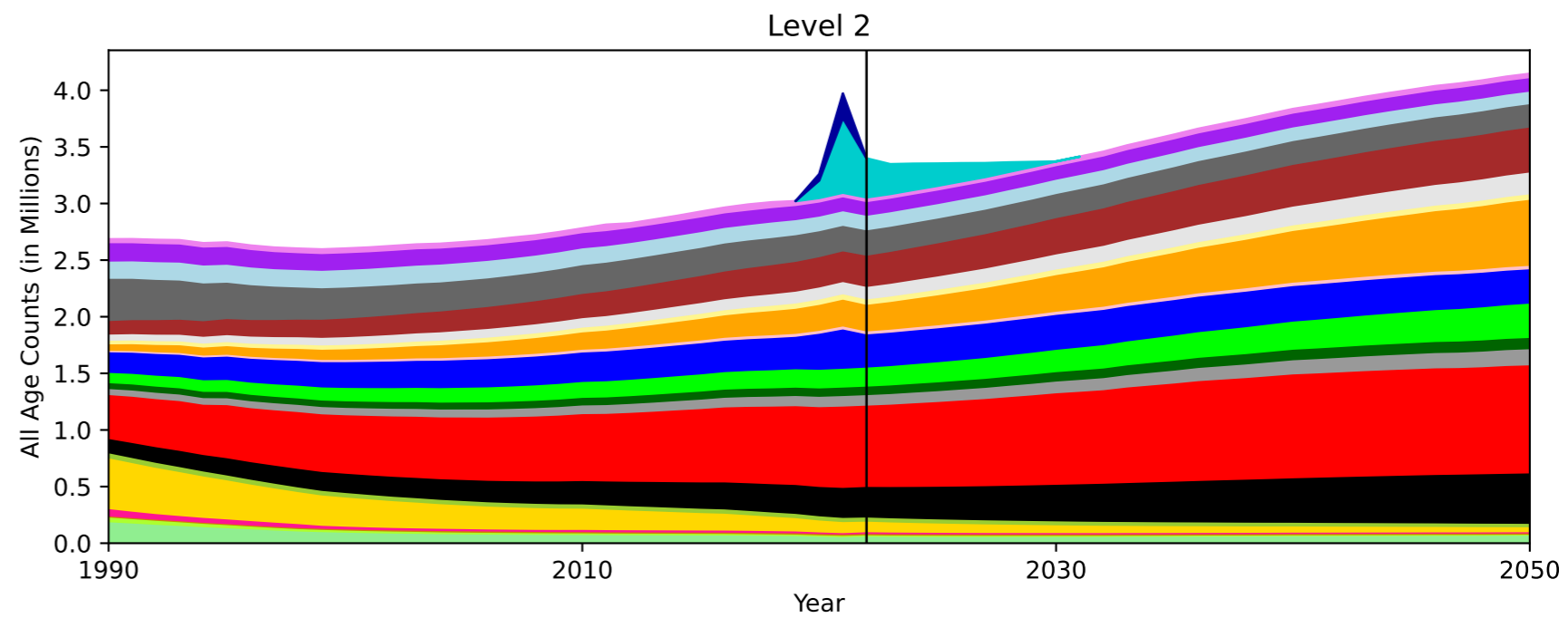
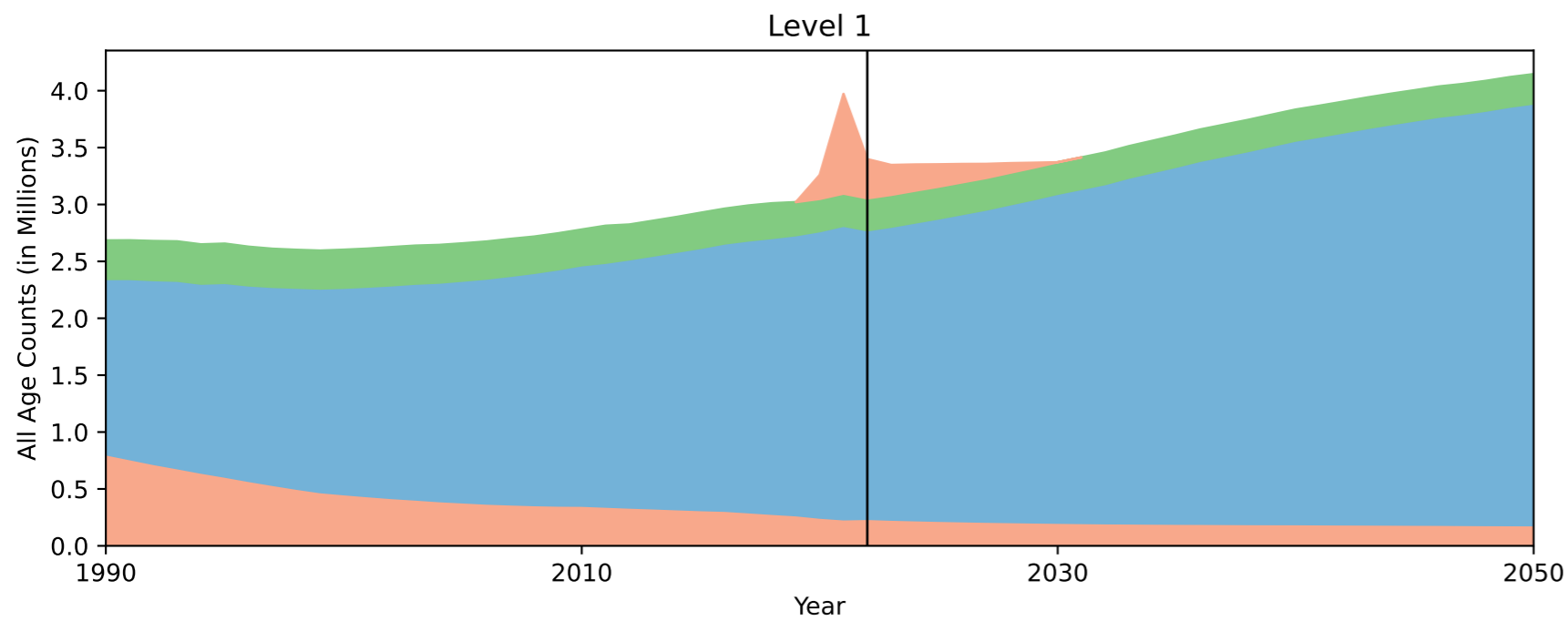
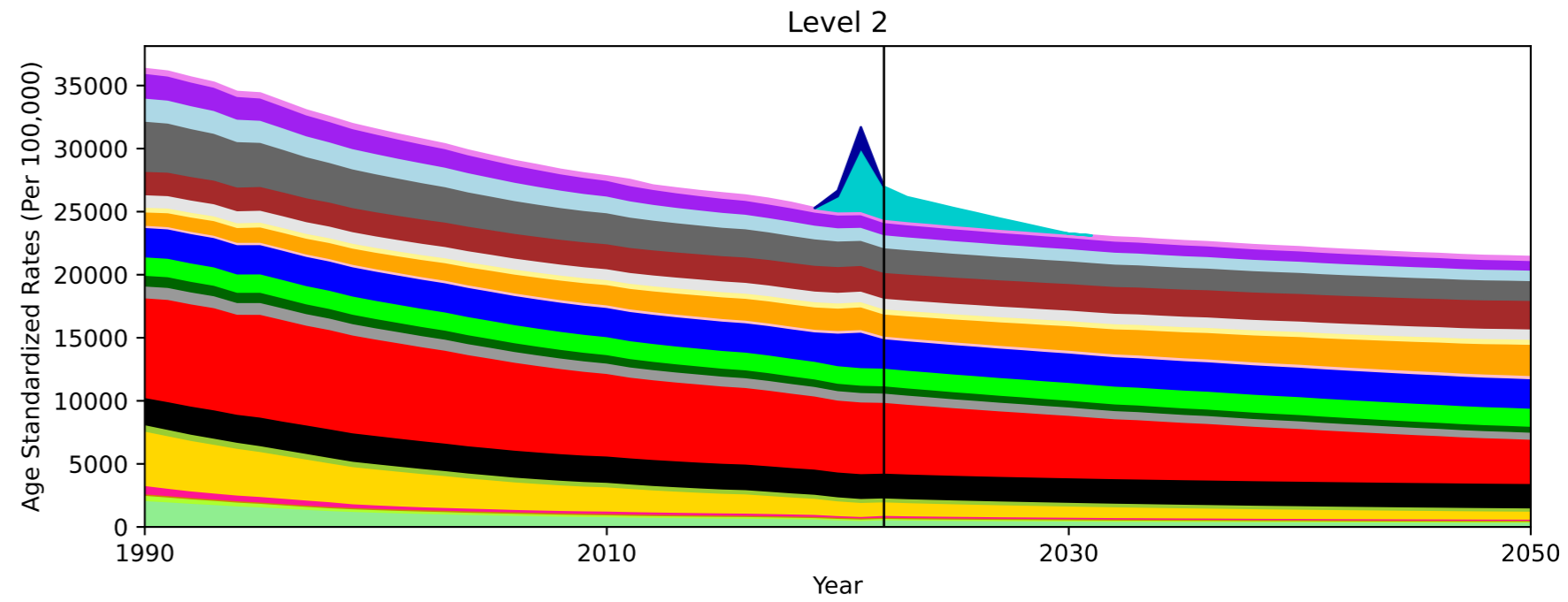
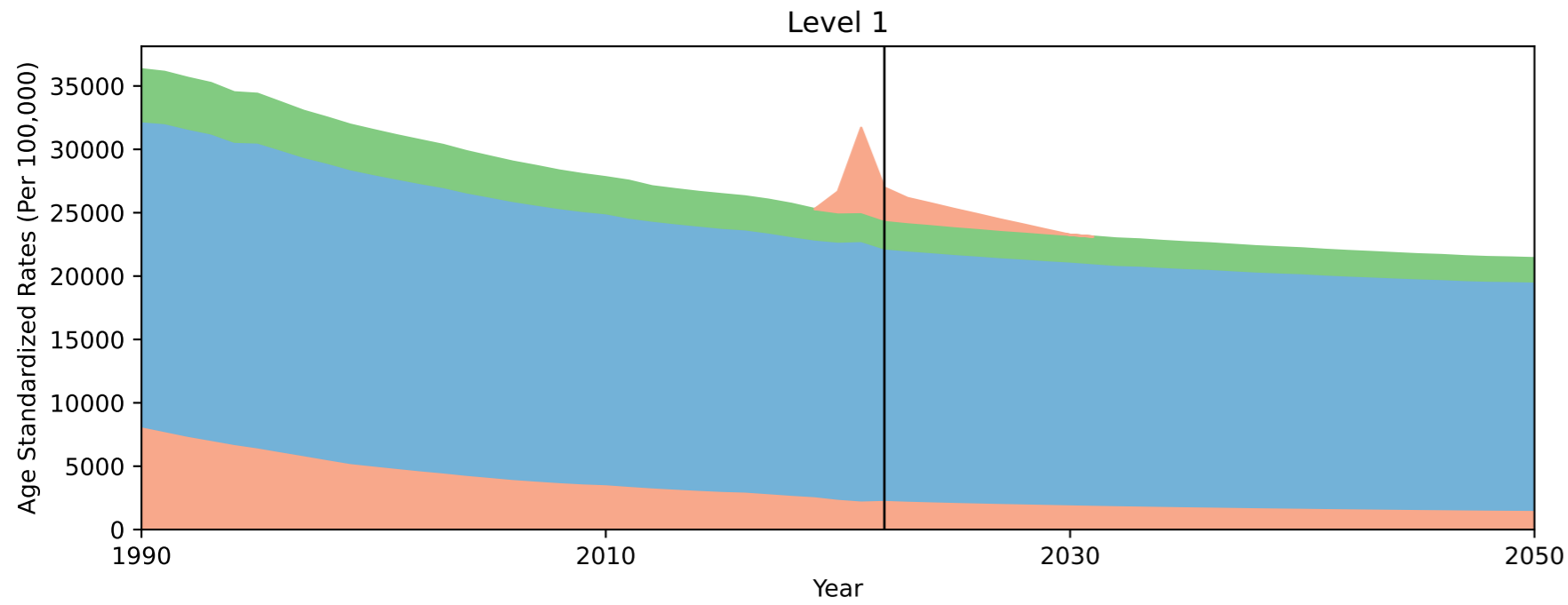
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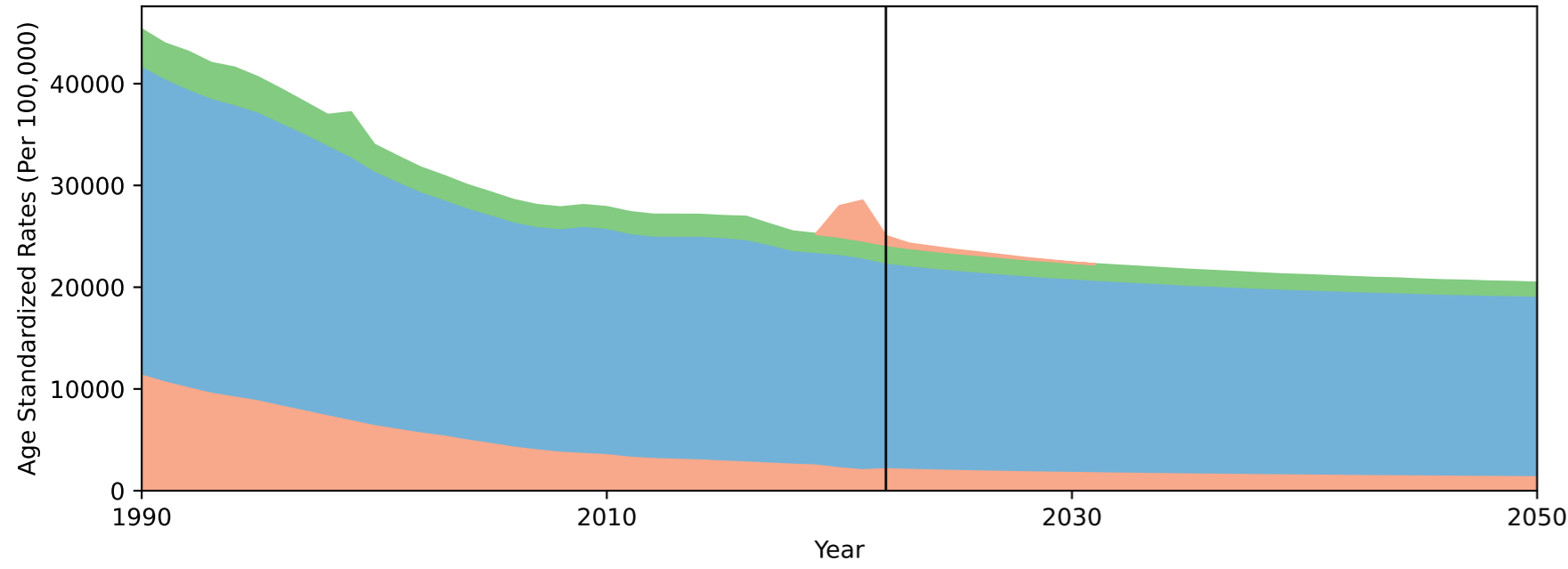




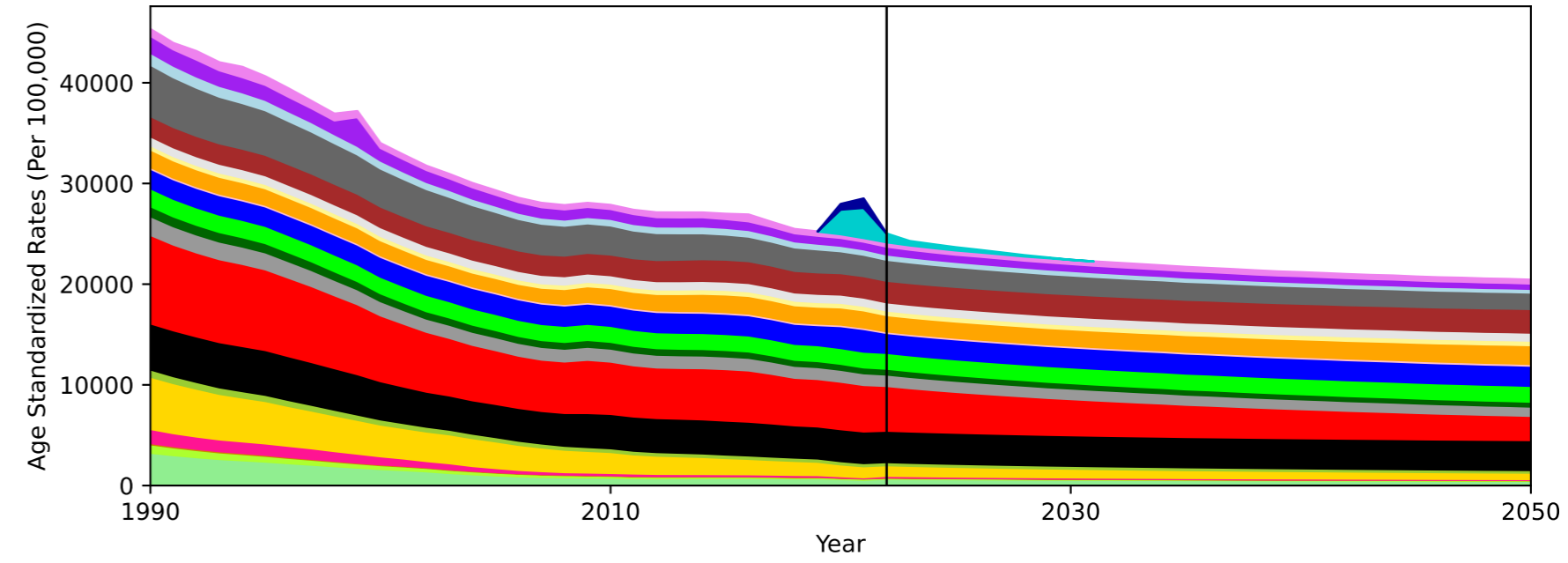
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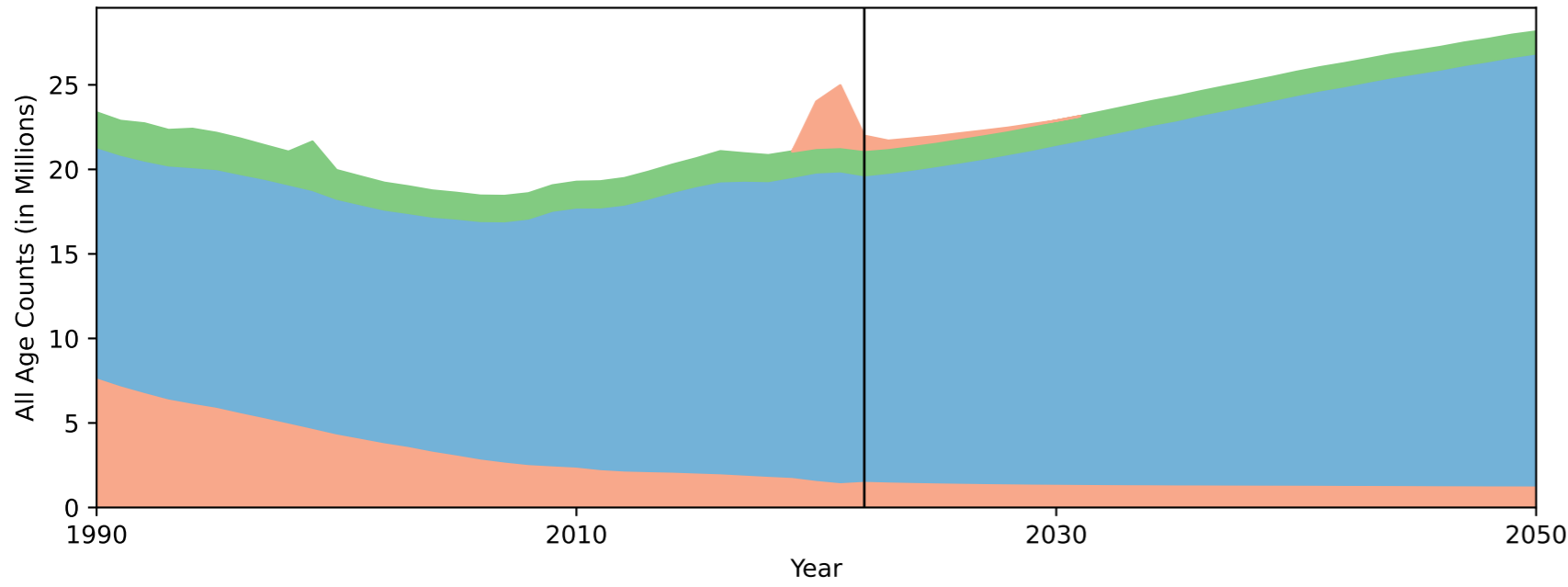
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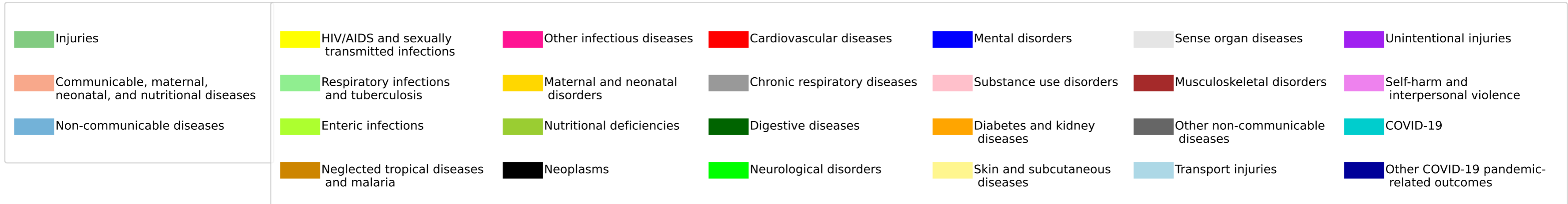
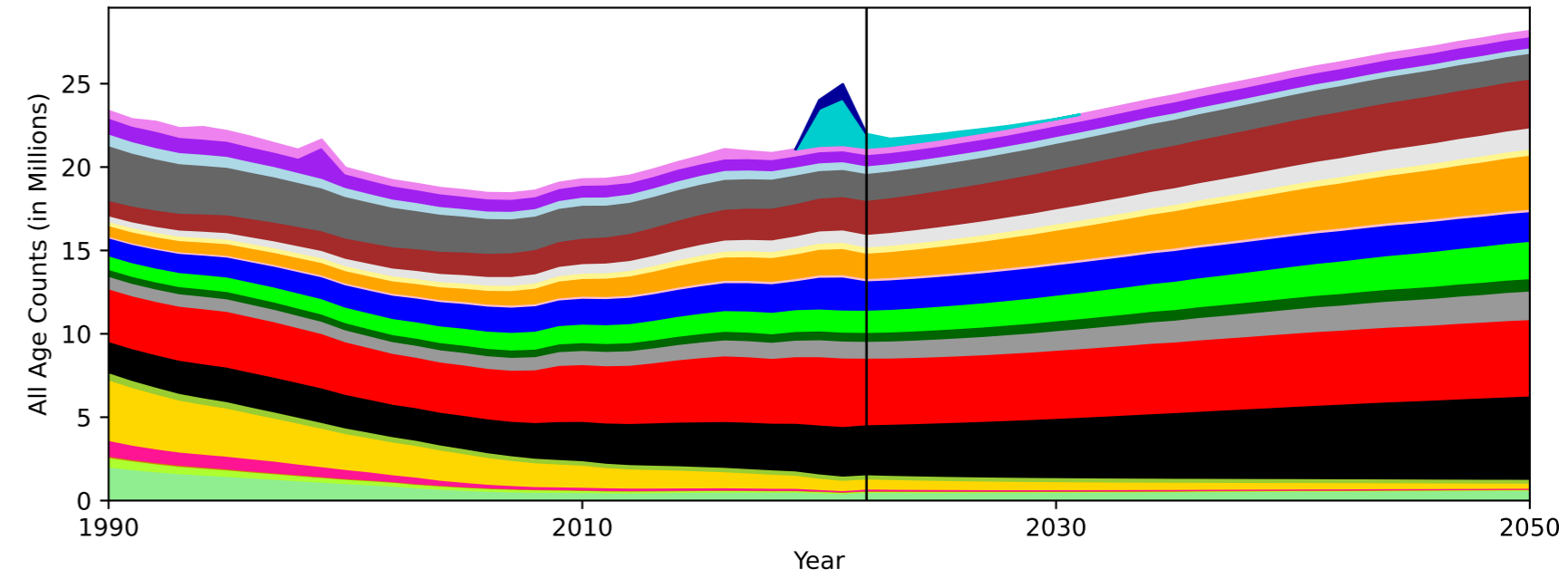
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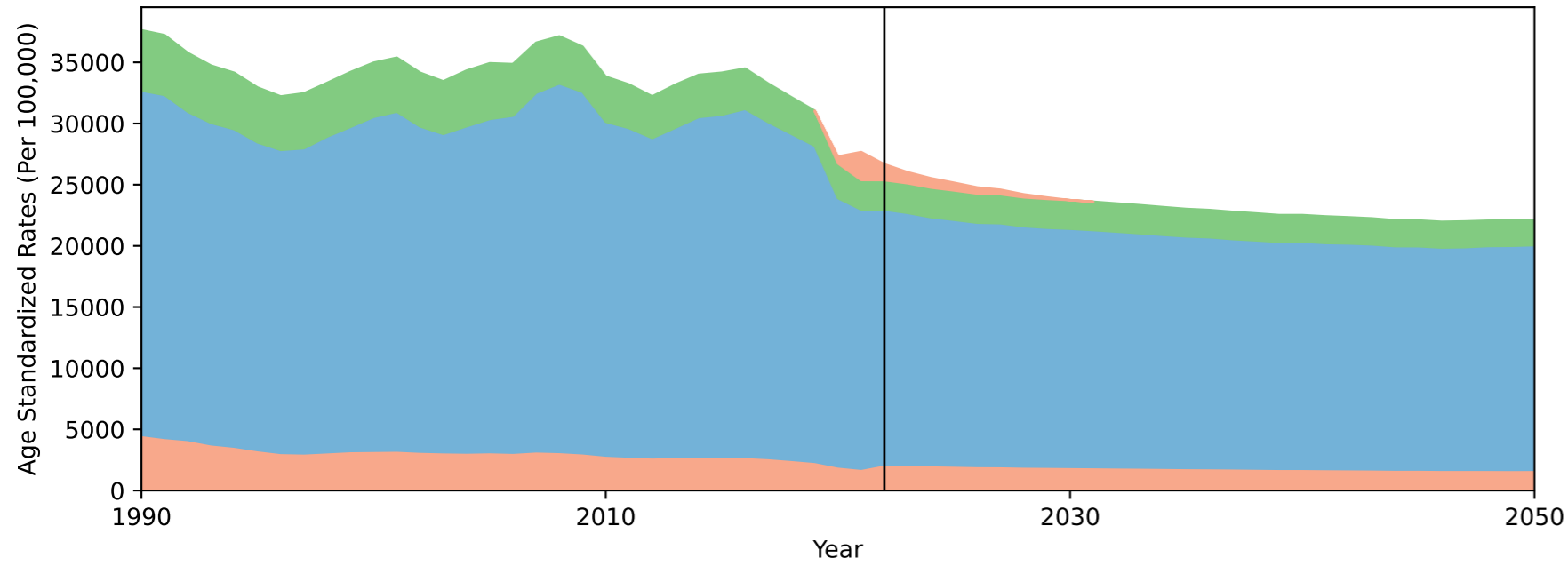
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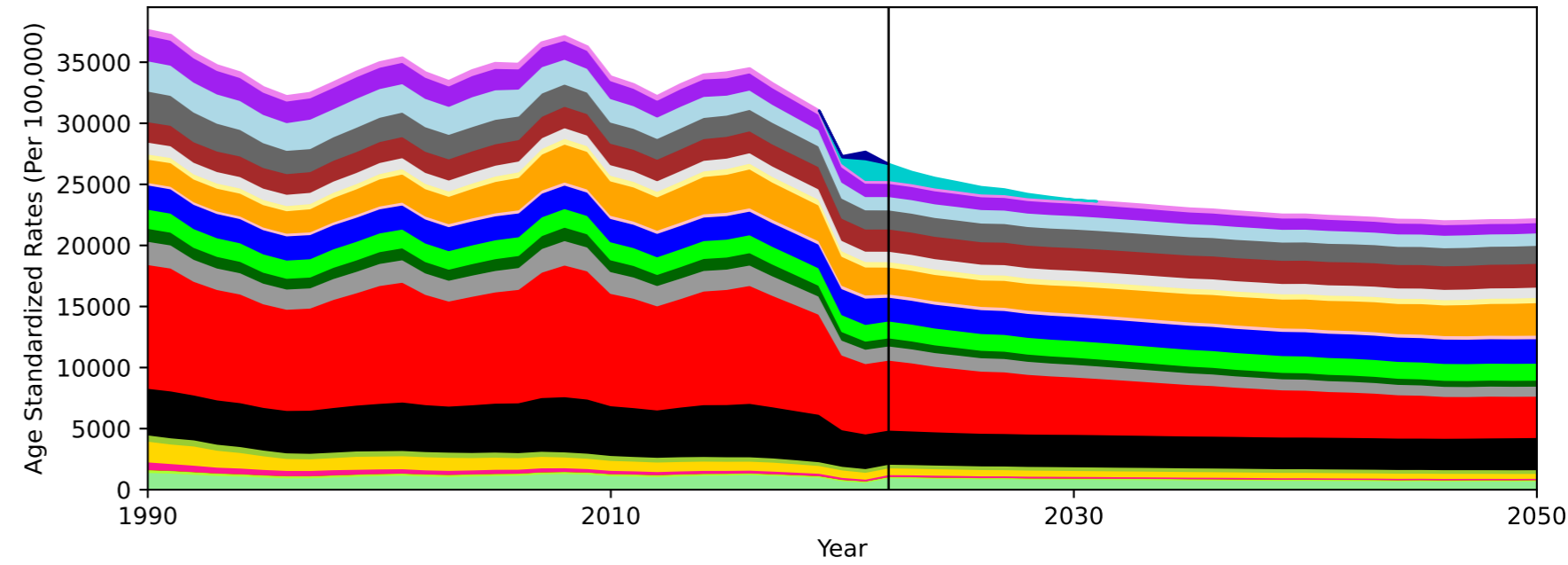
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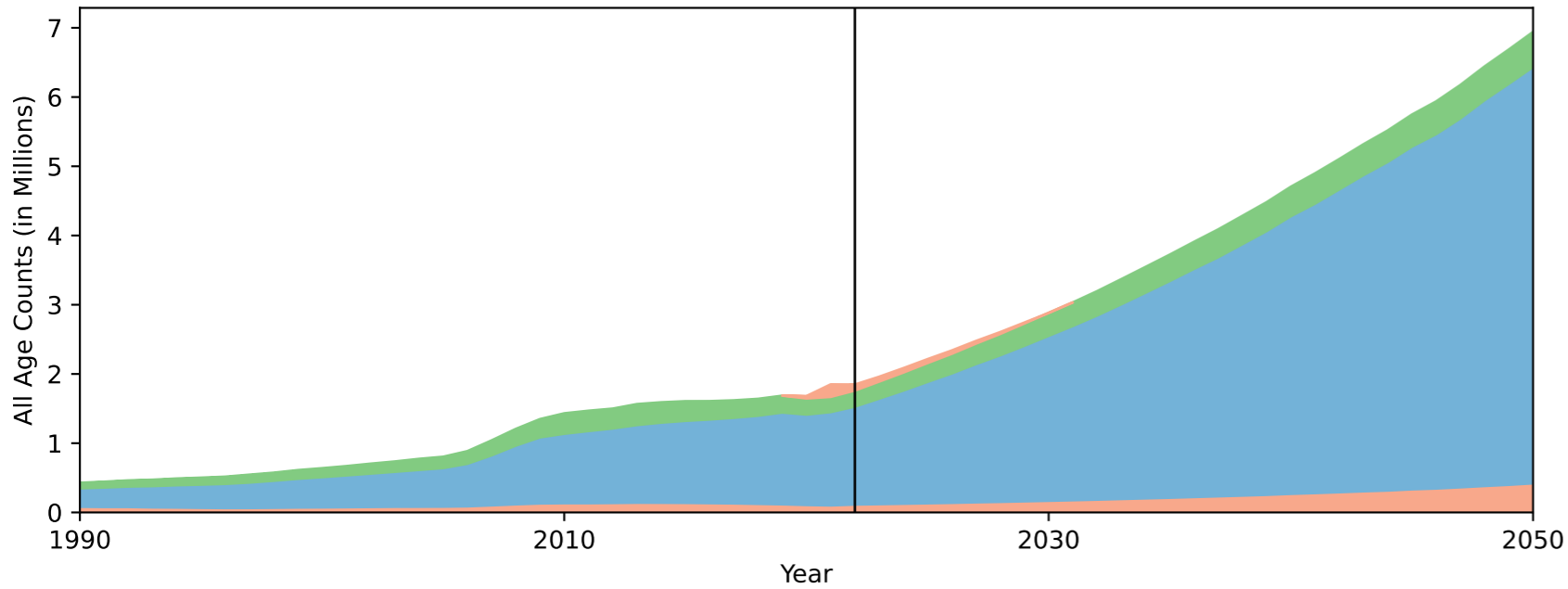
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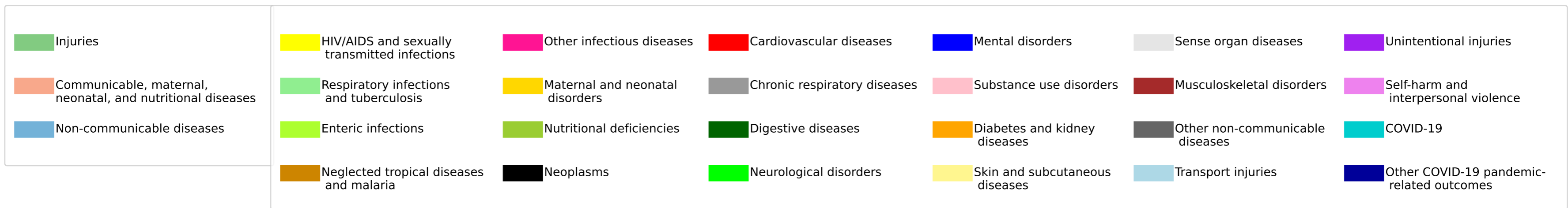
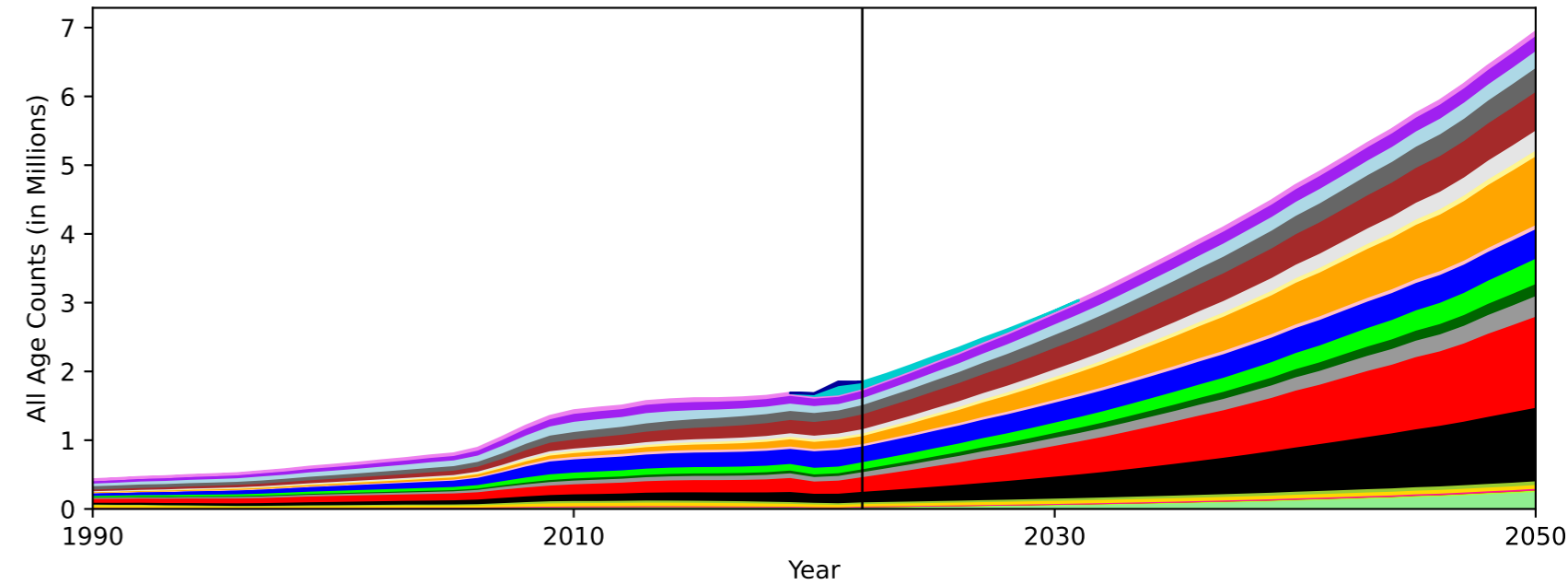
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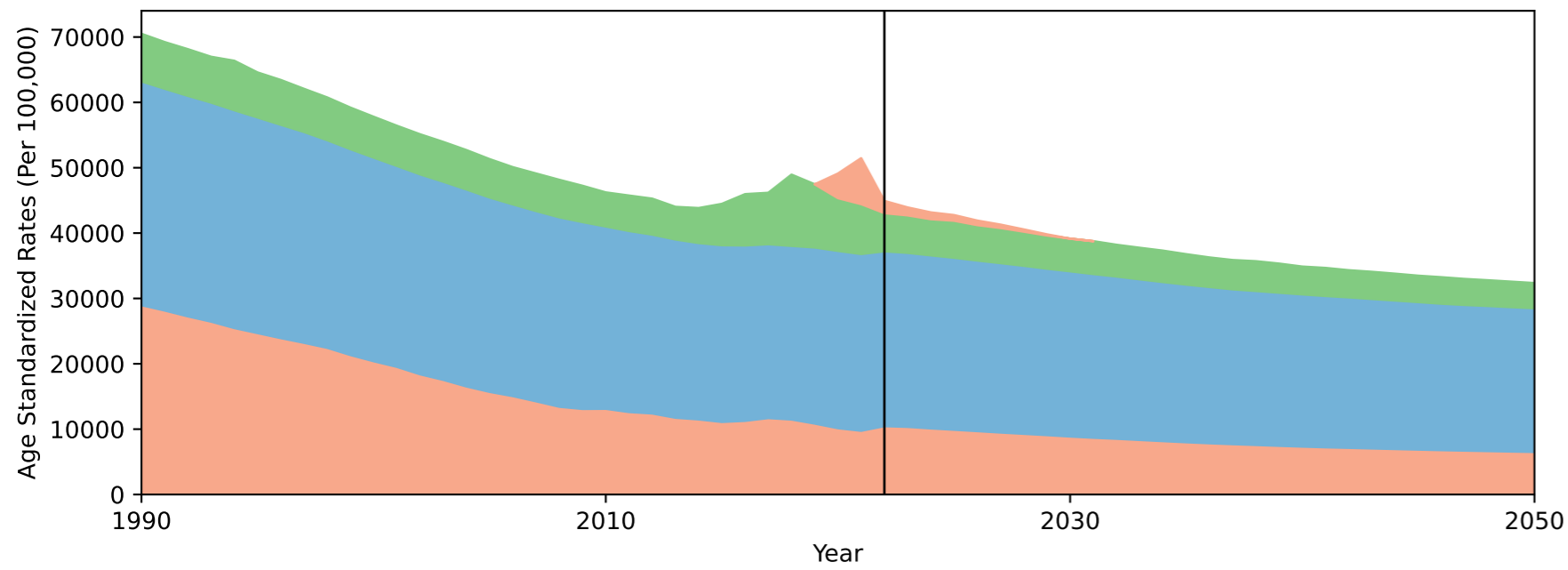


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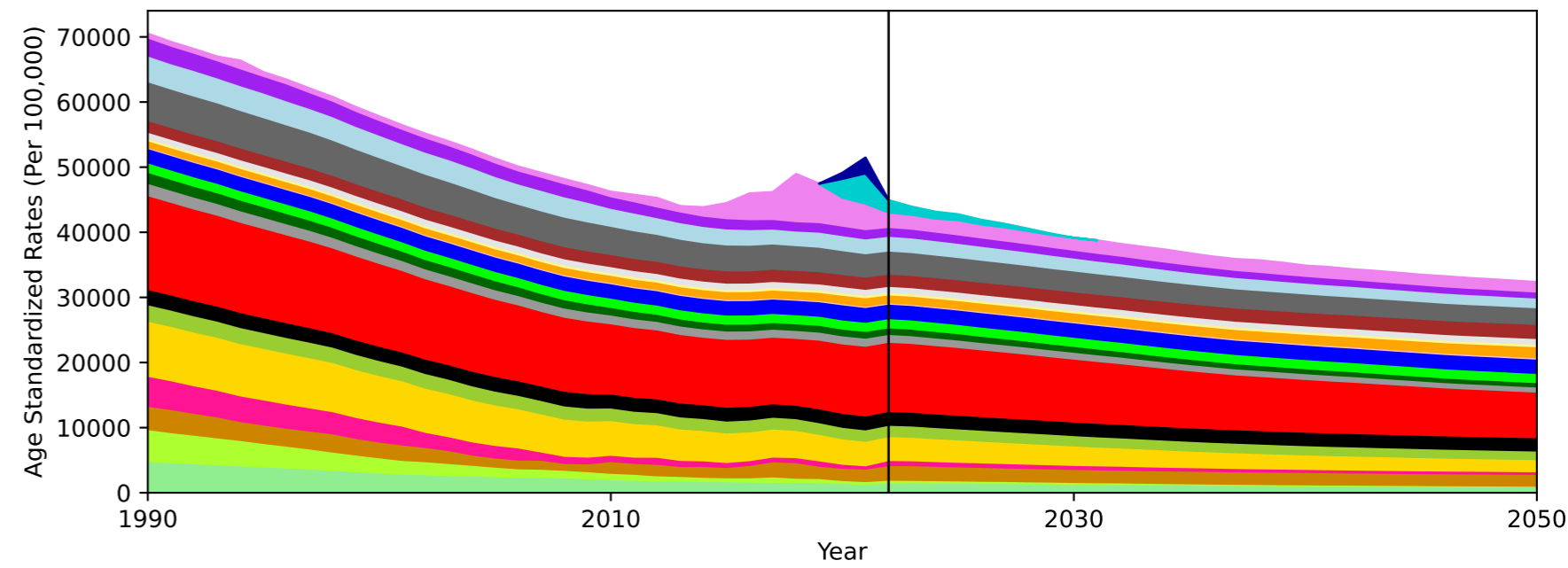


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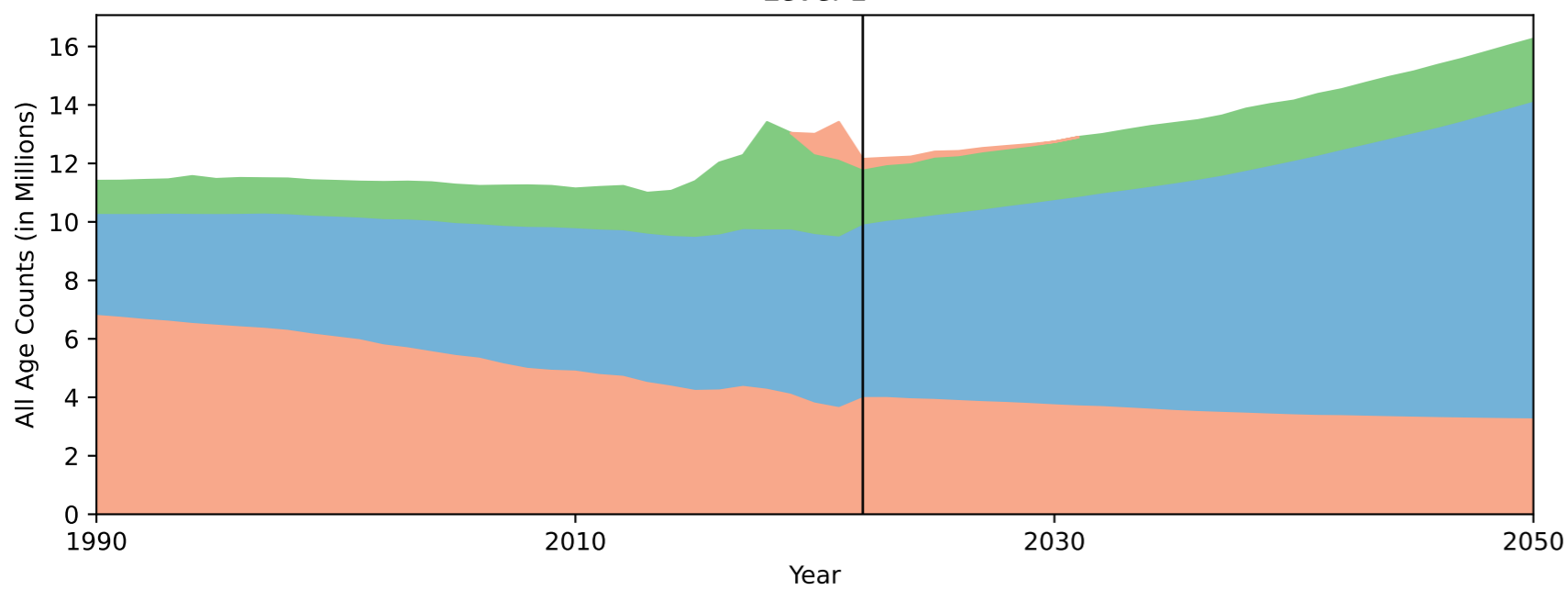
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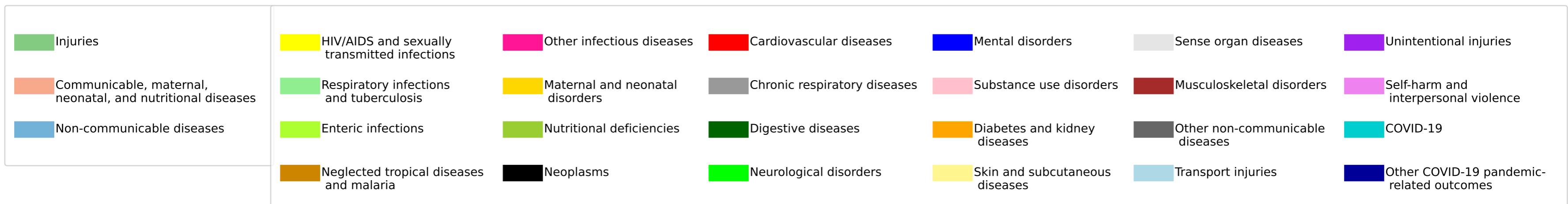
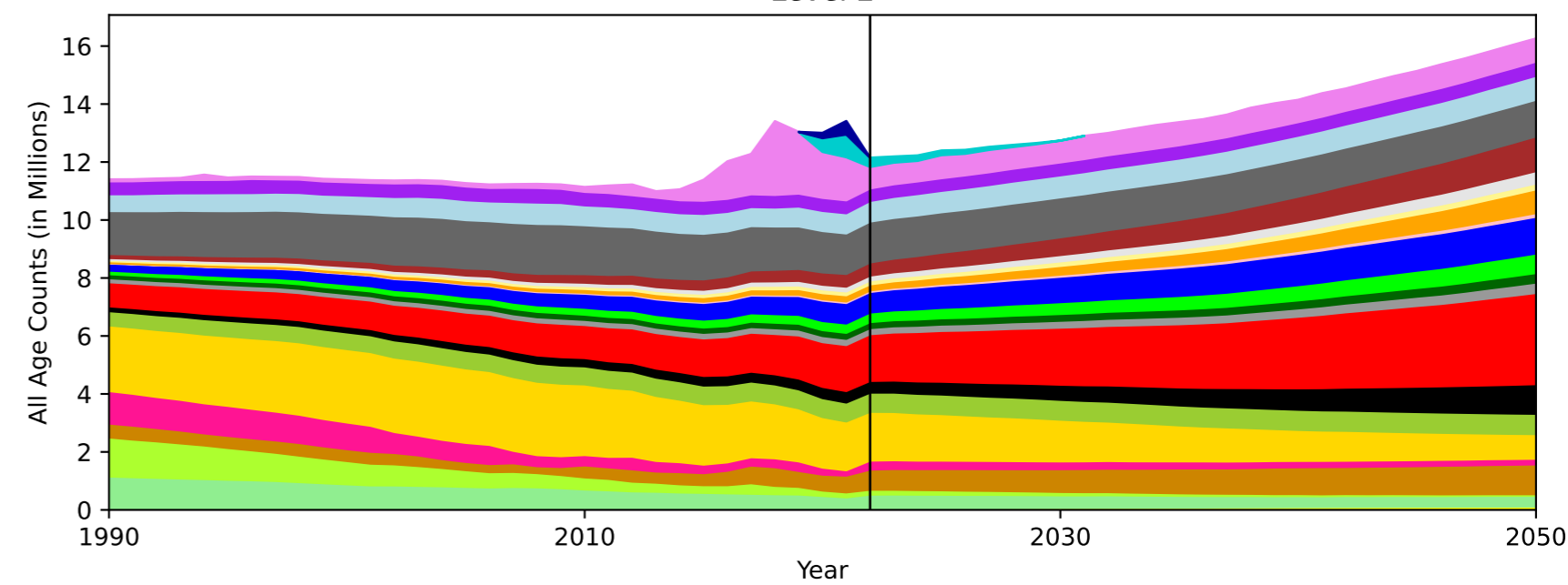
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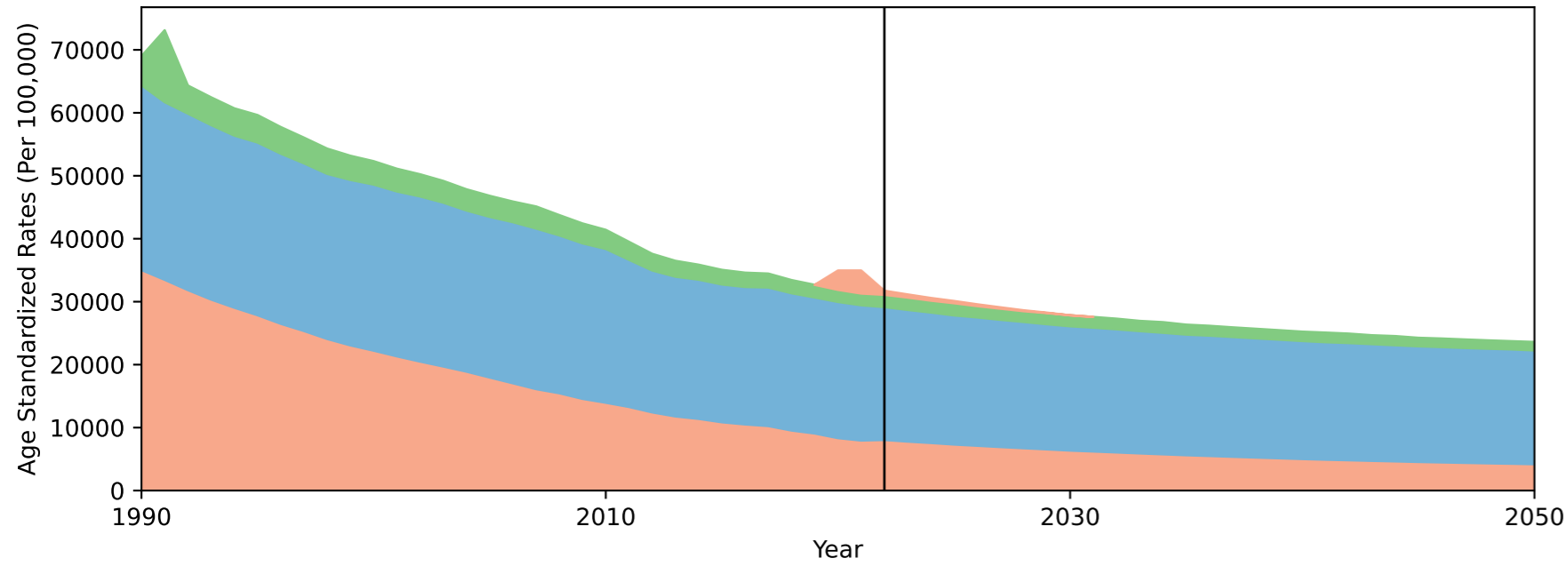


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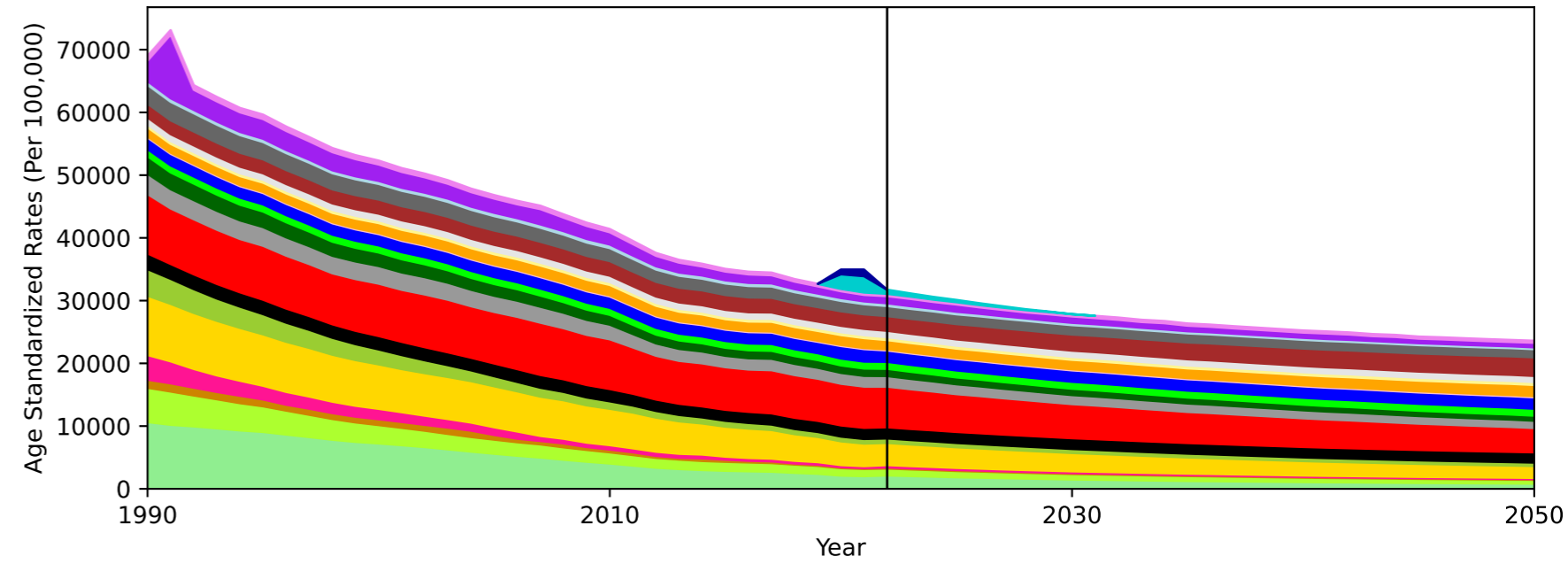


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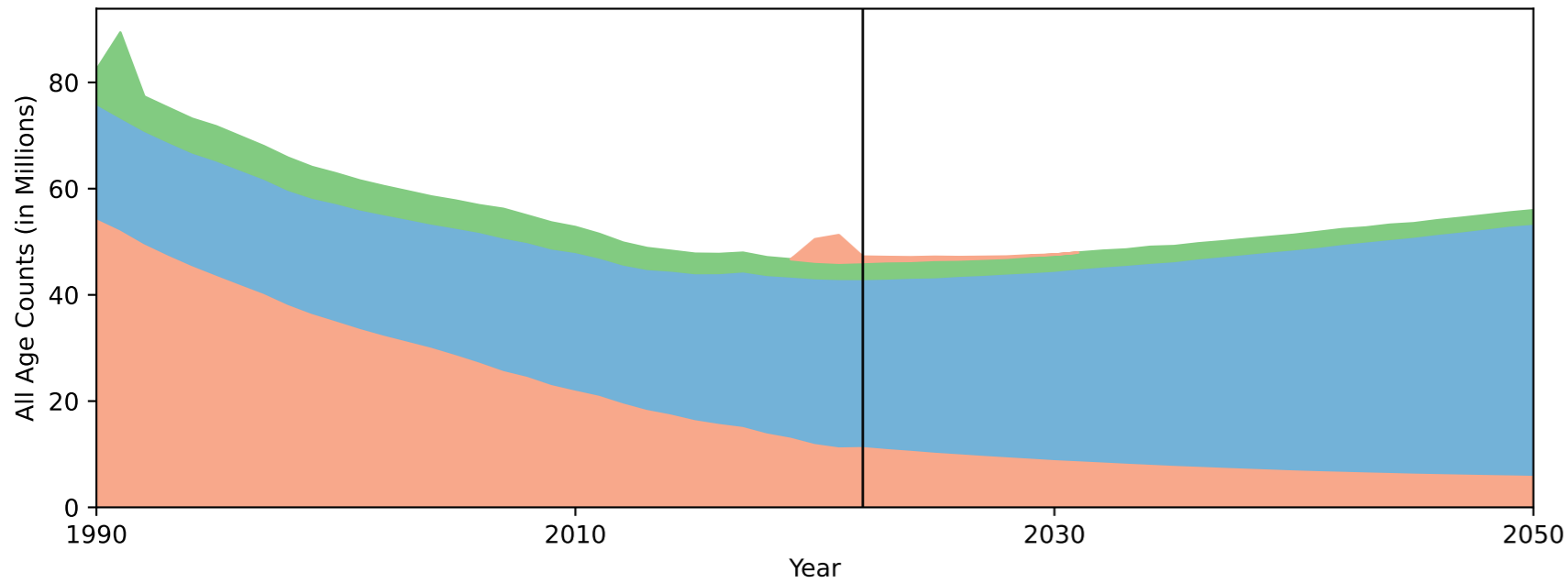
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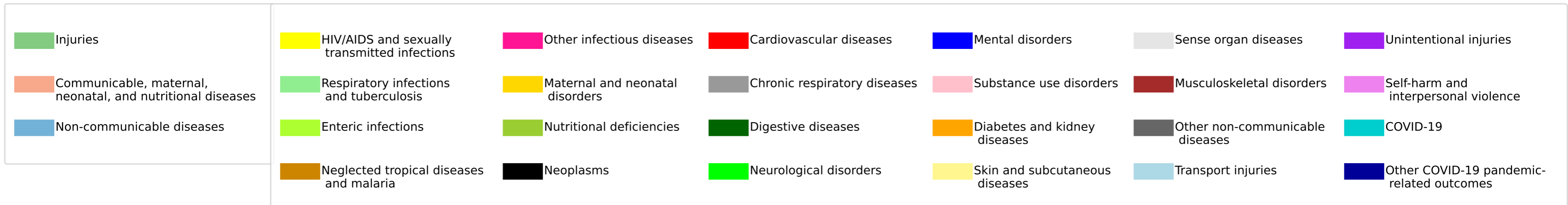
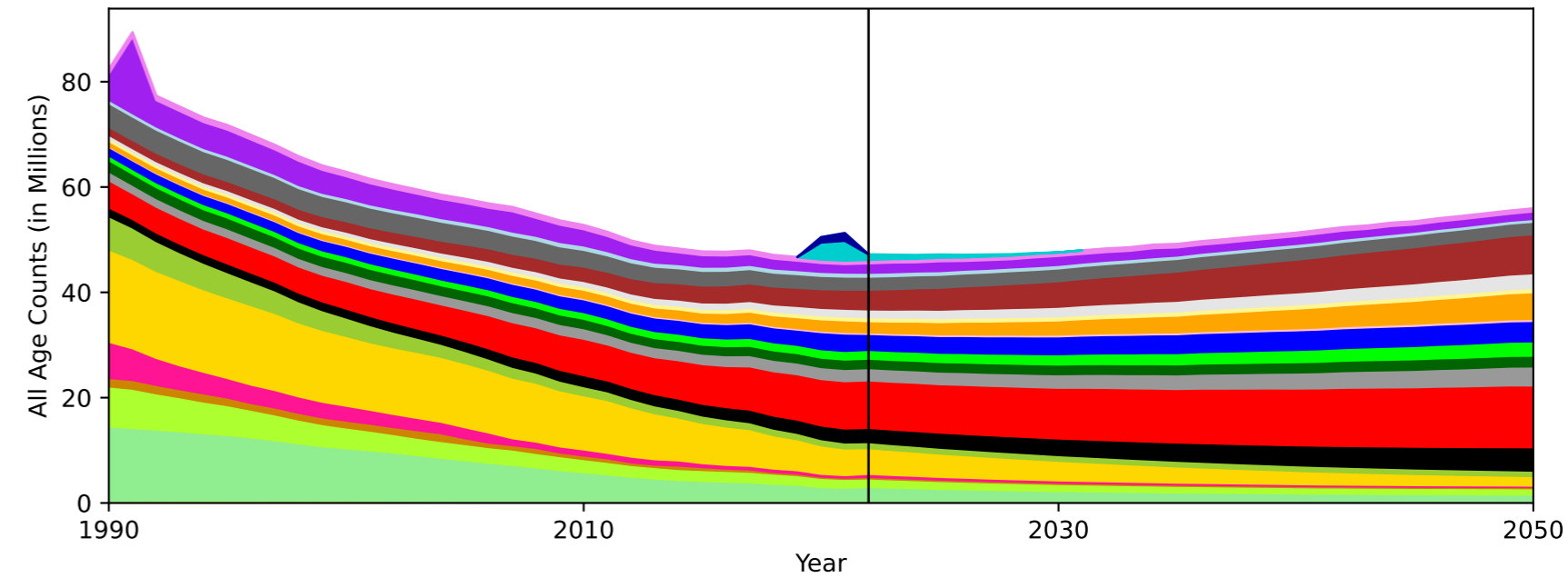
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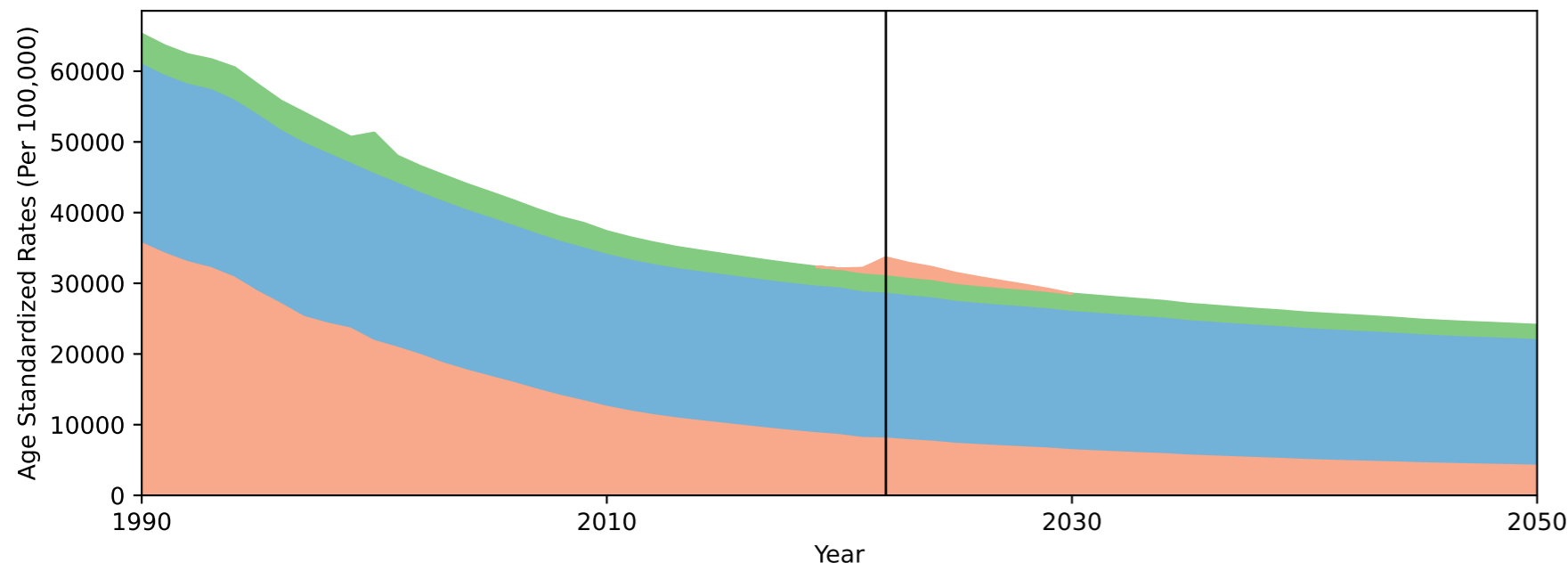


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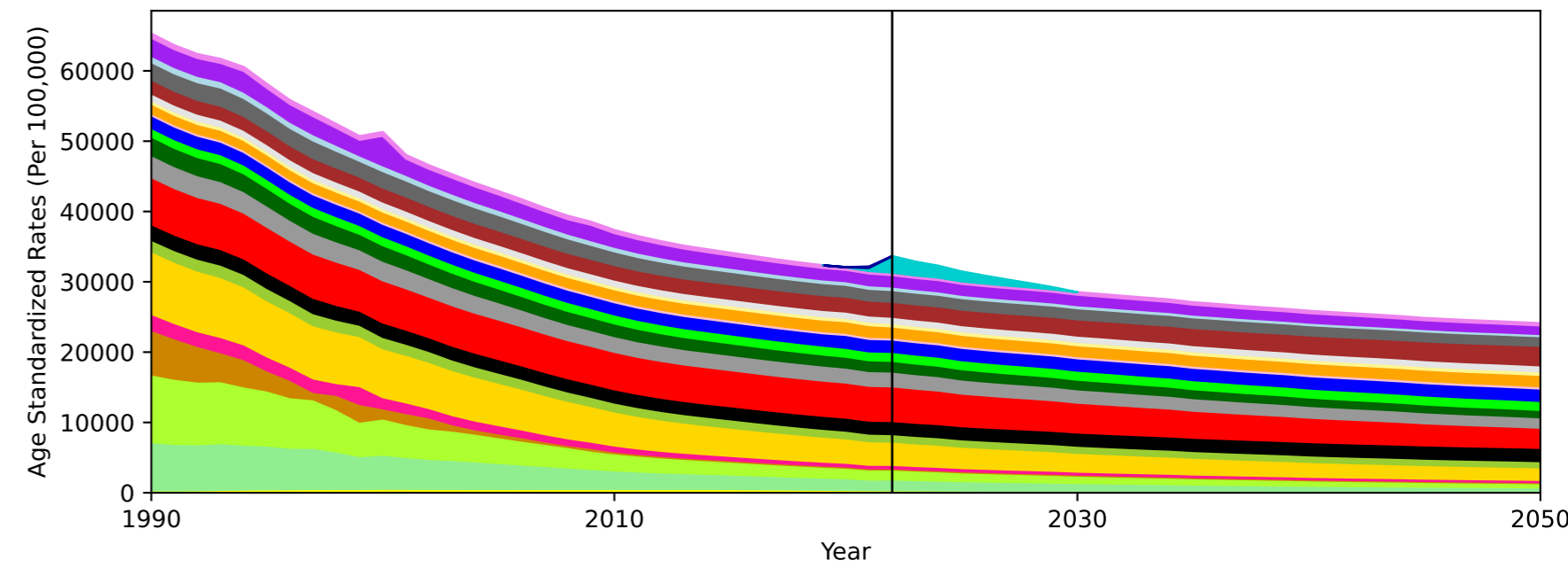


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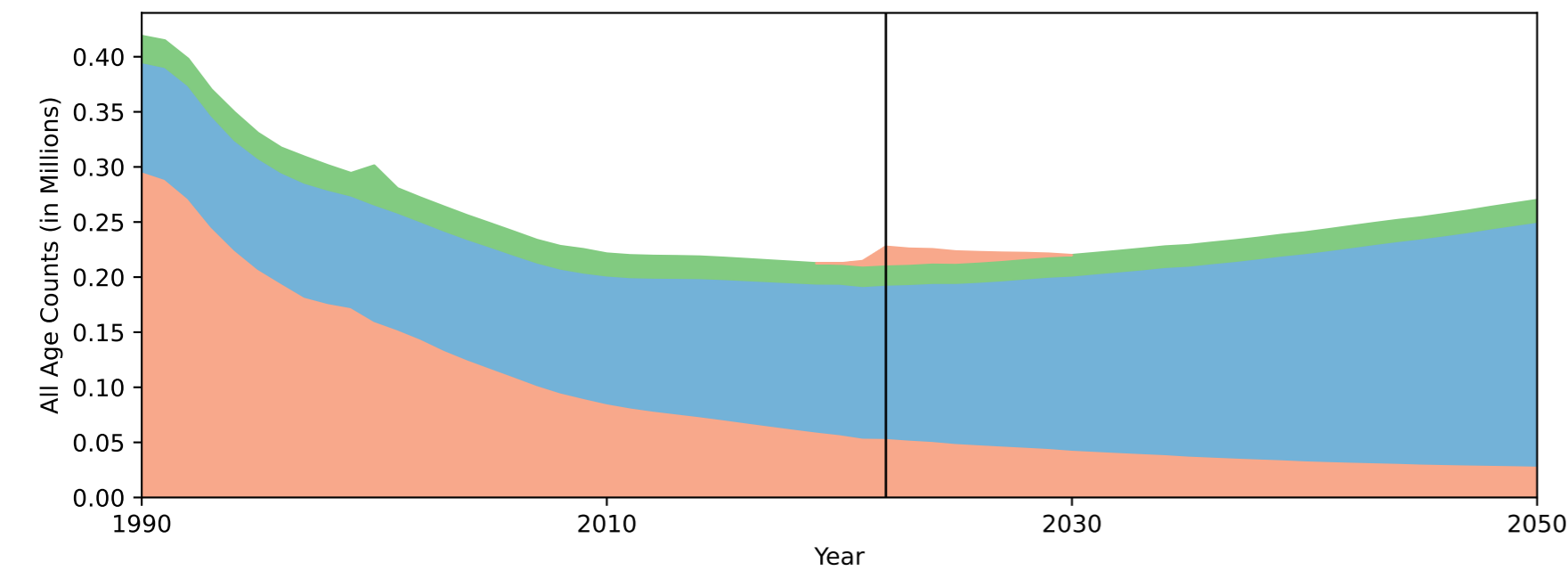
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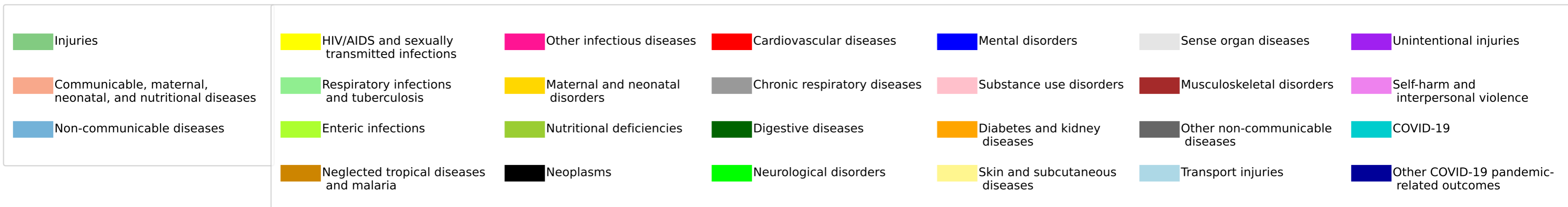
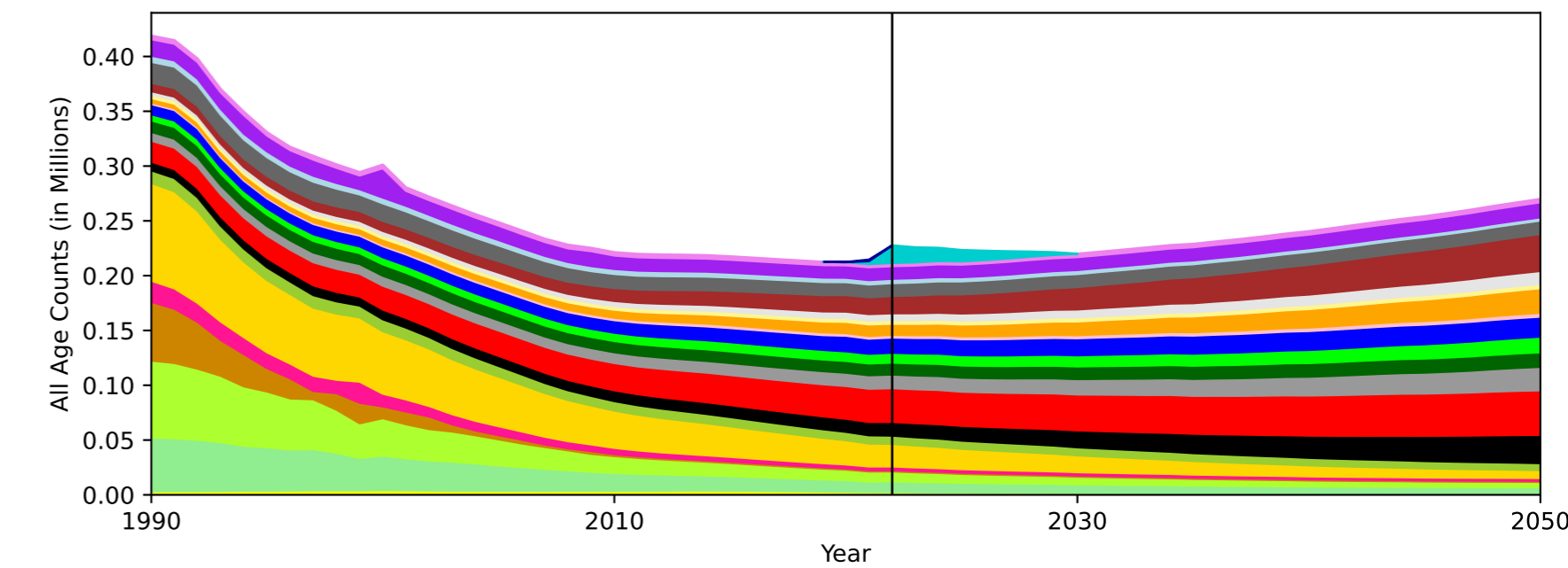
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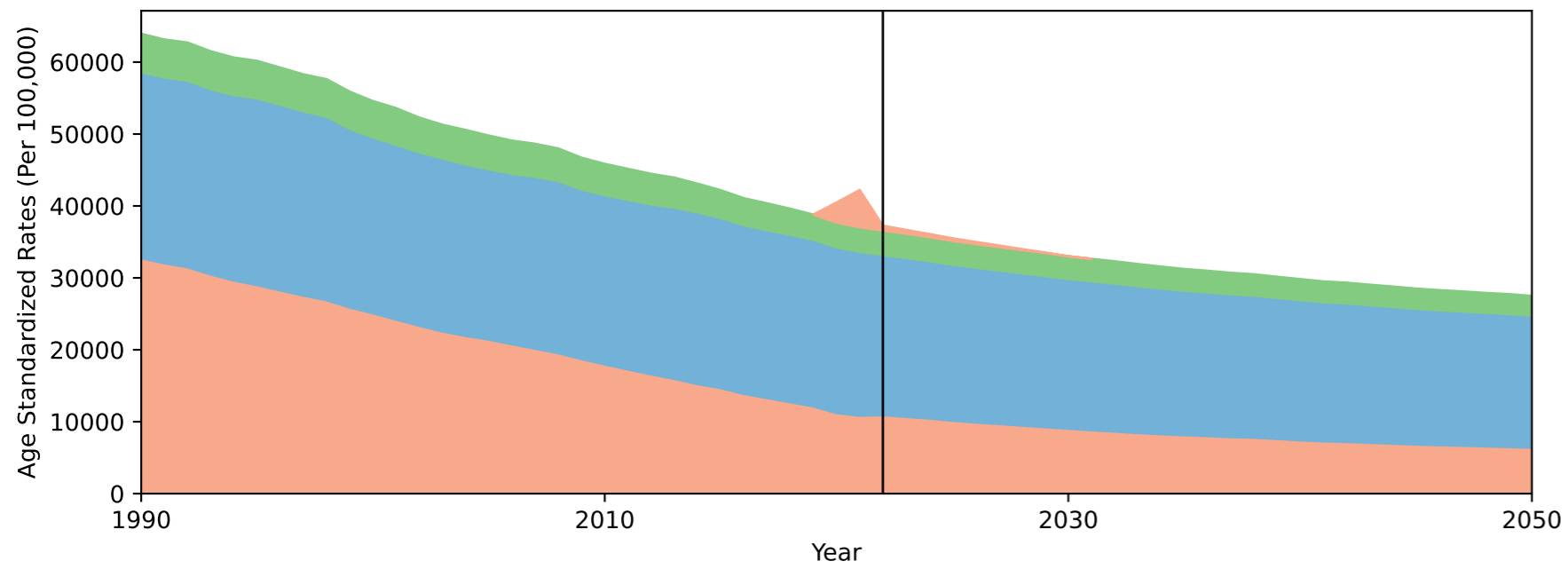


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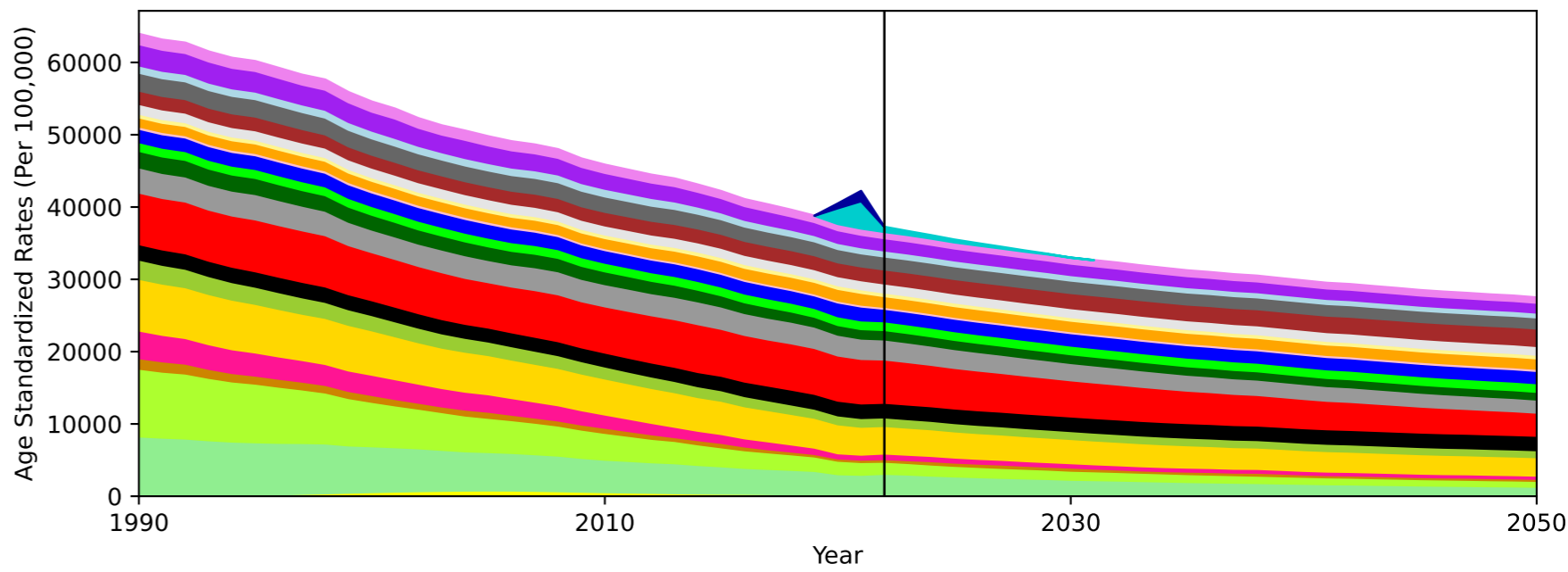


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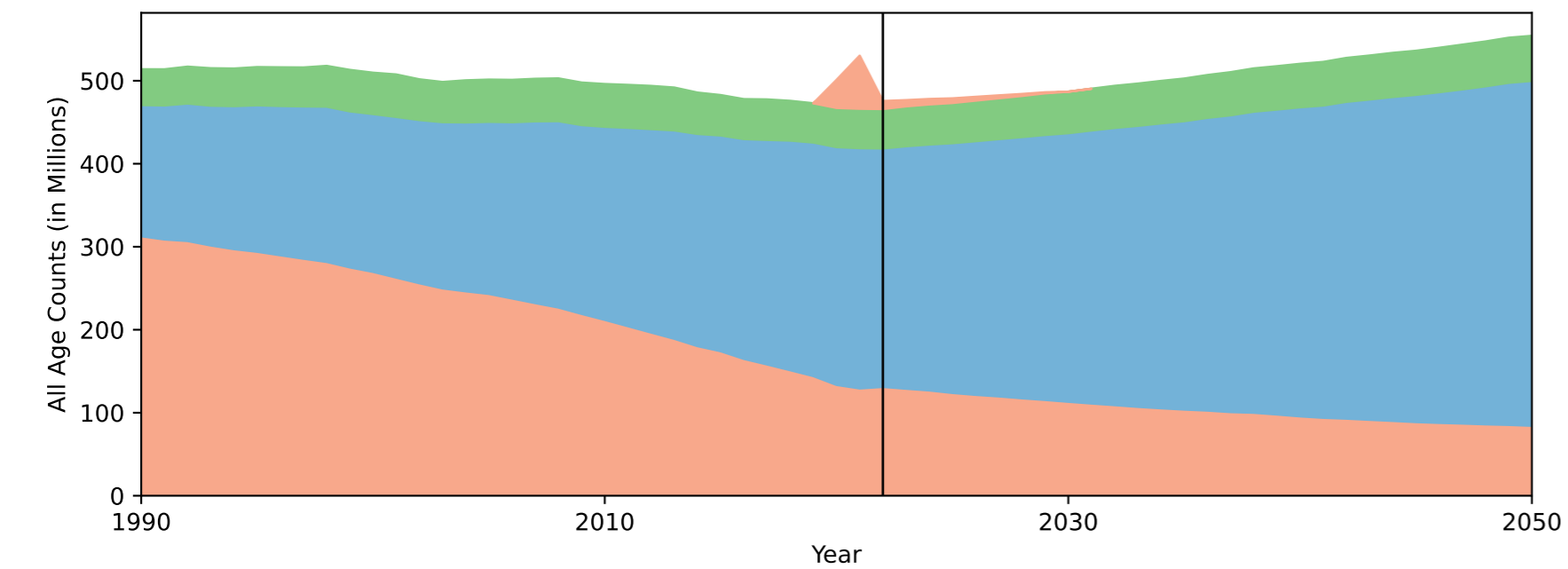
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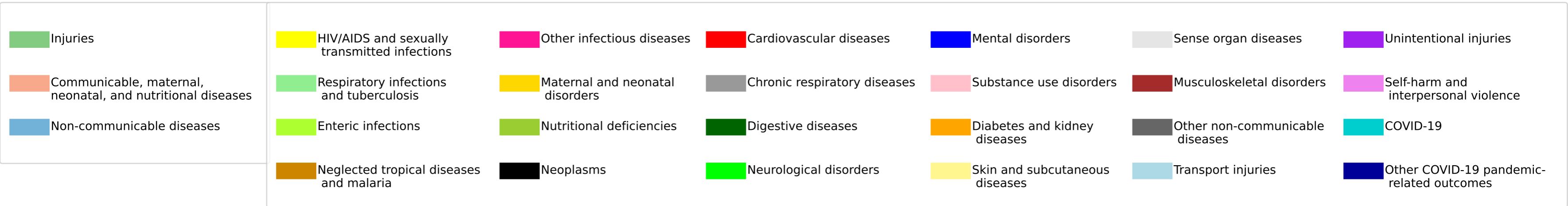
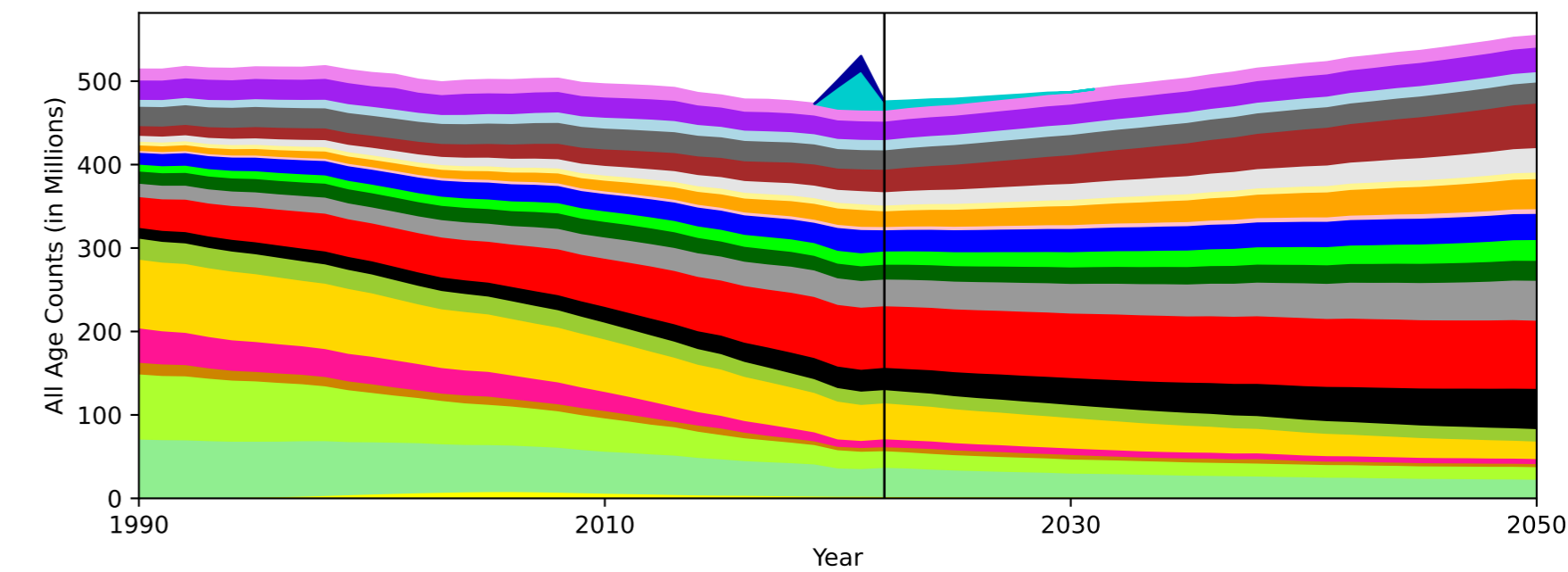
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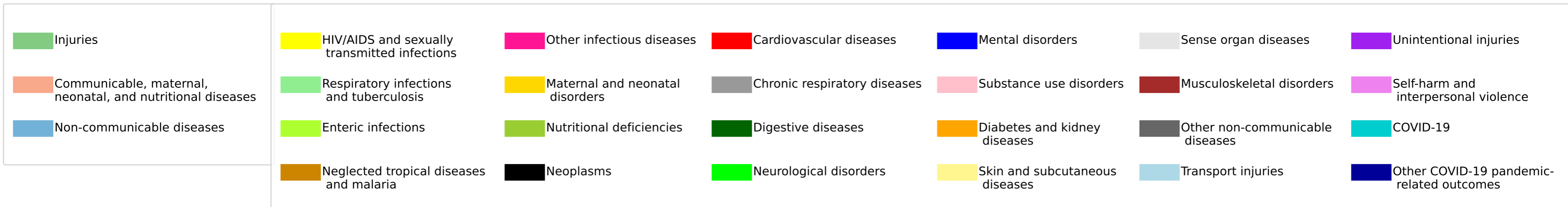
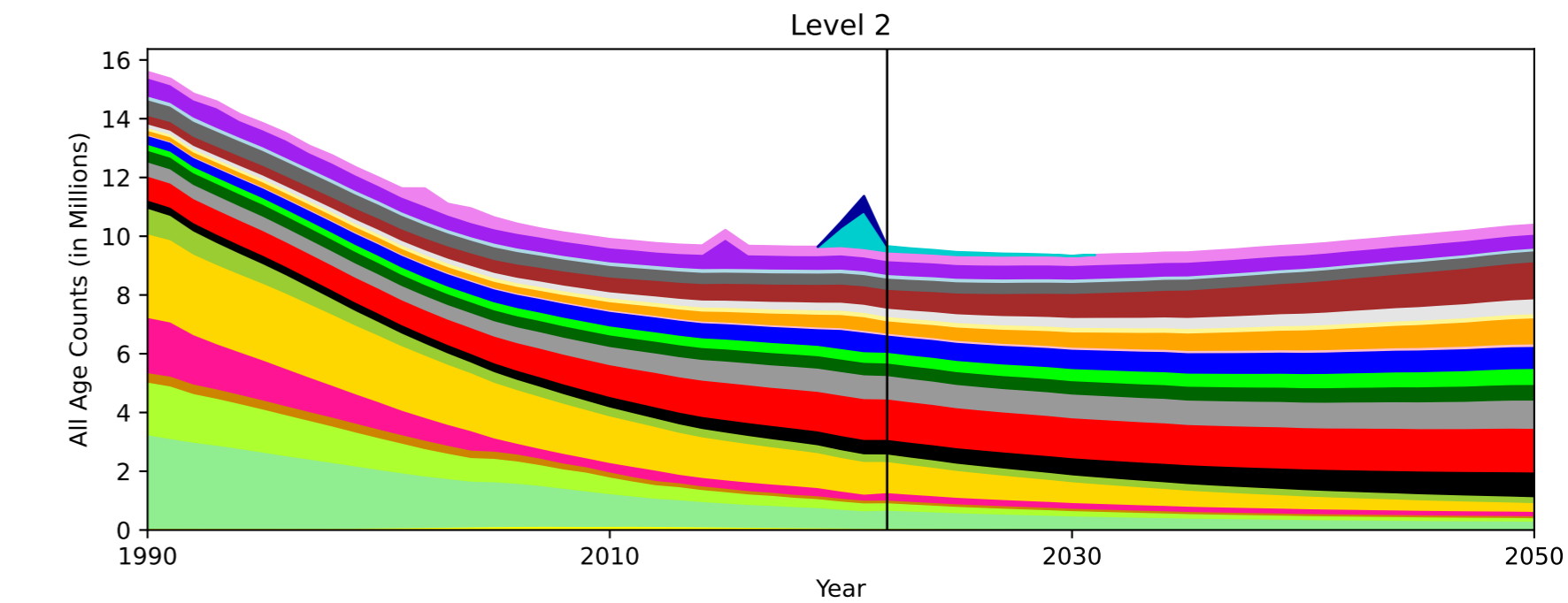
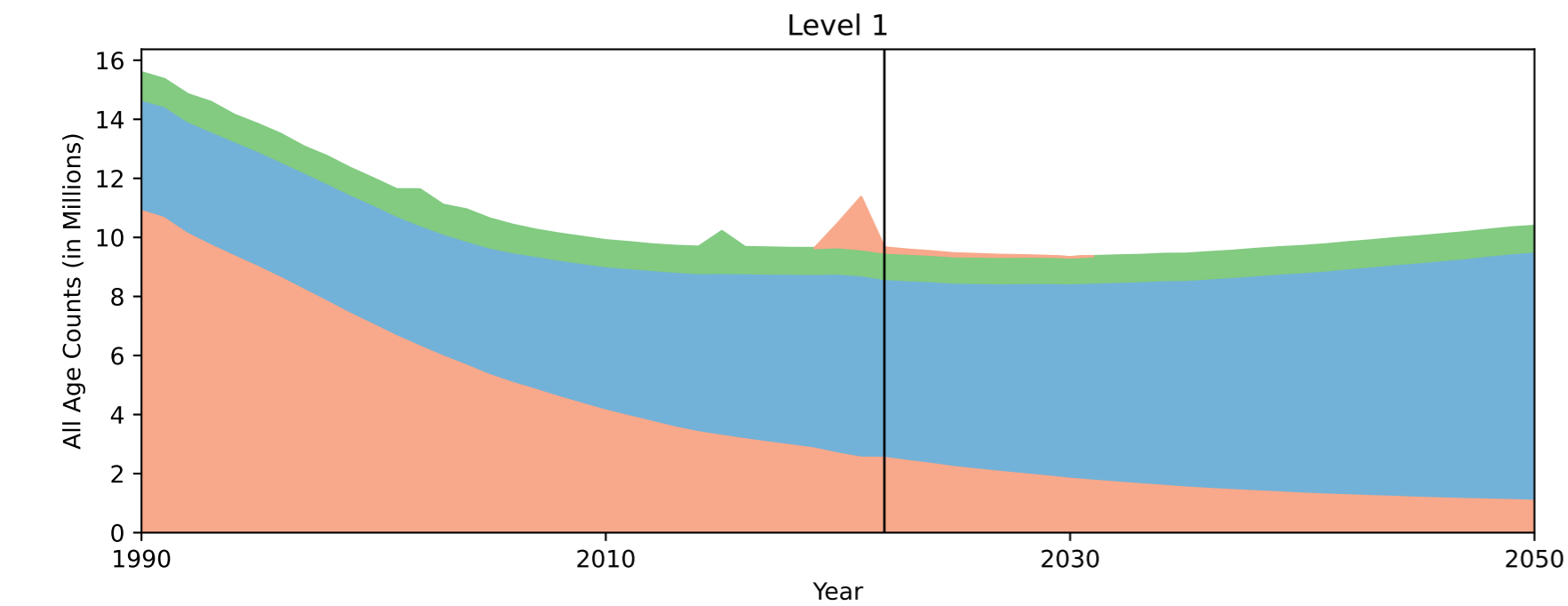
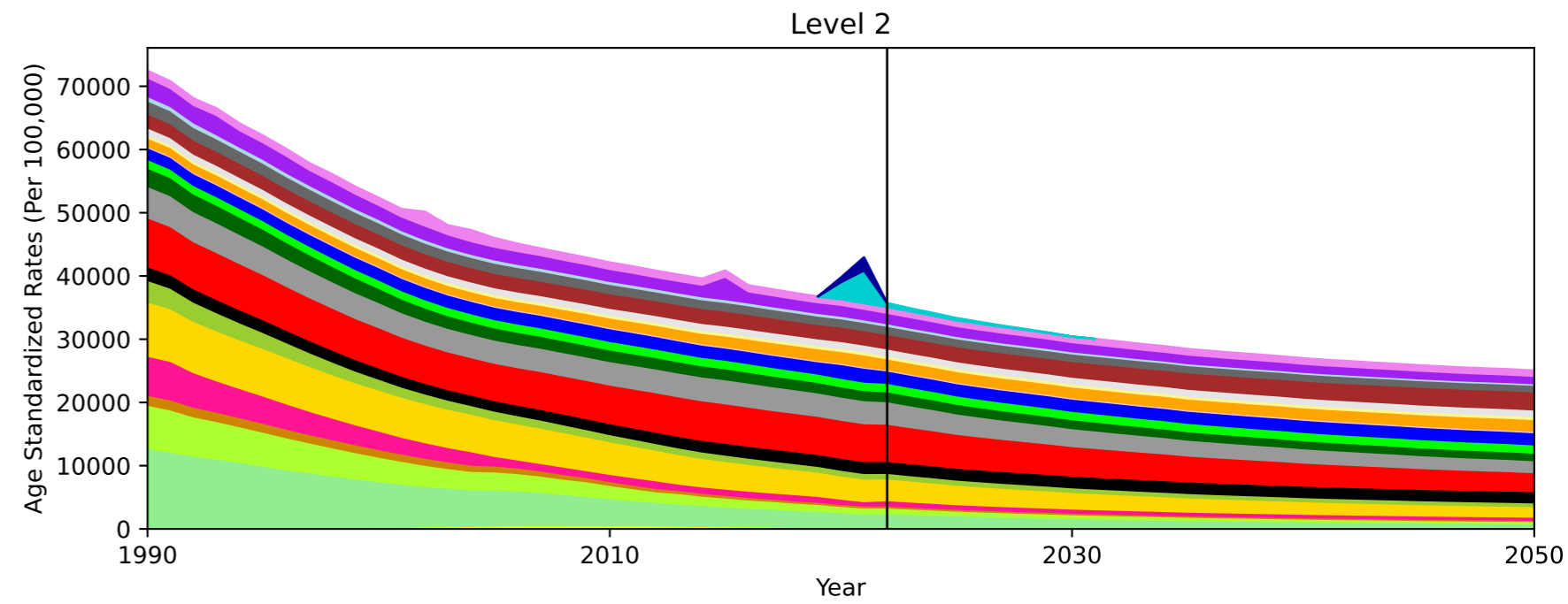
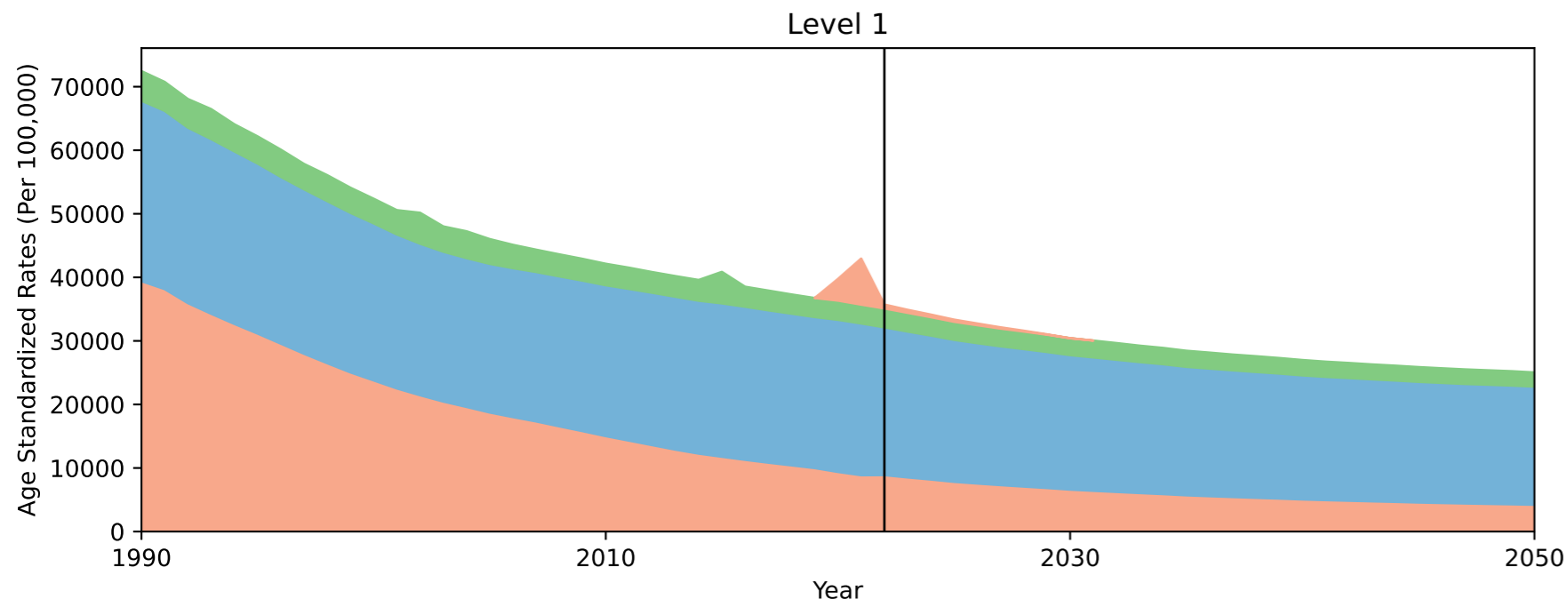
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Level 2



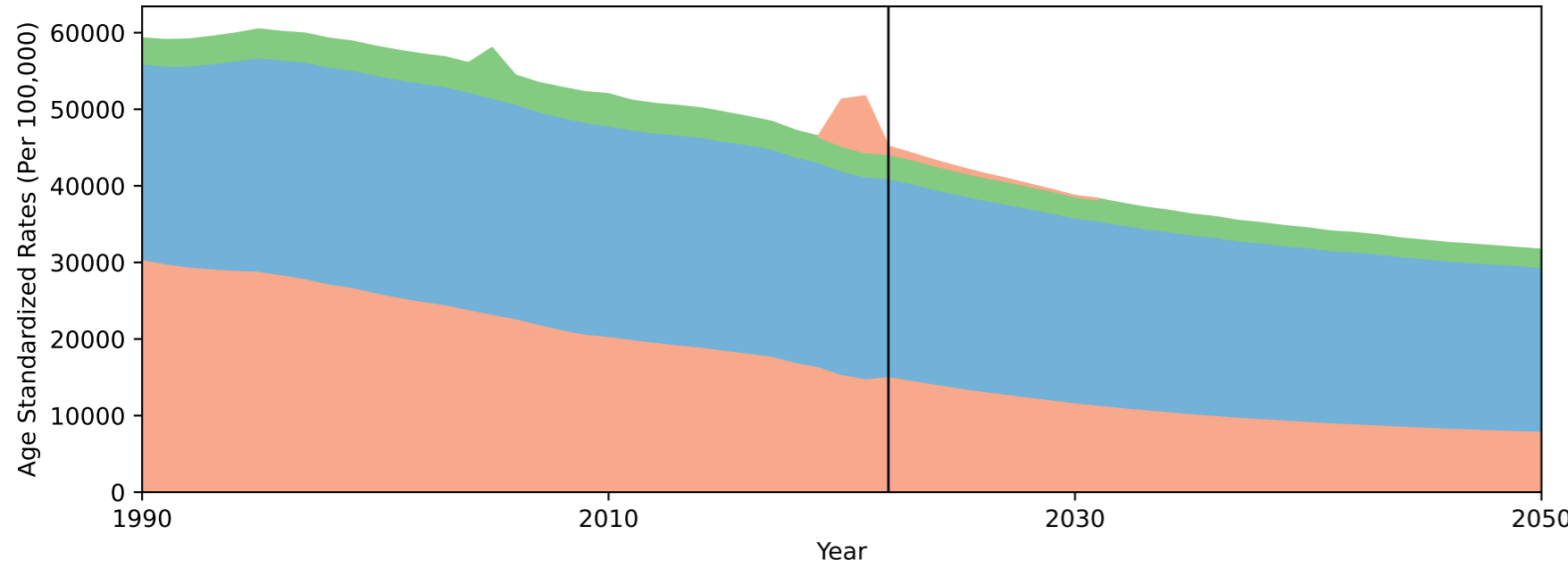
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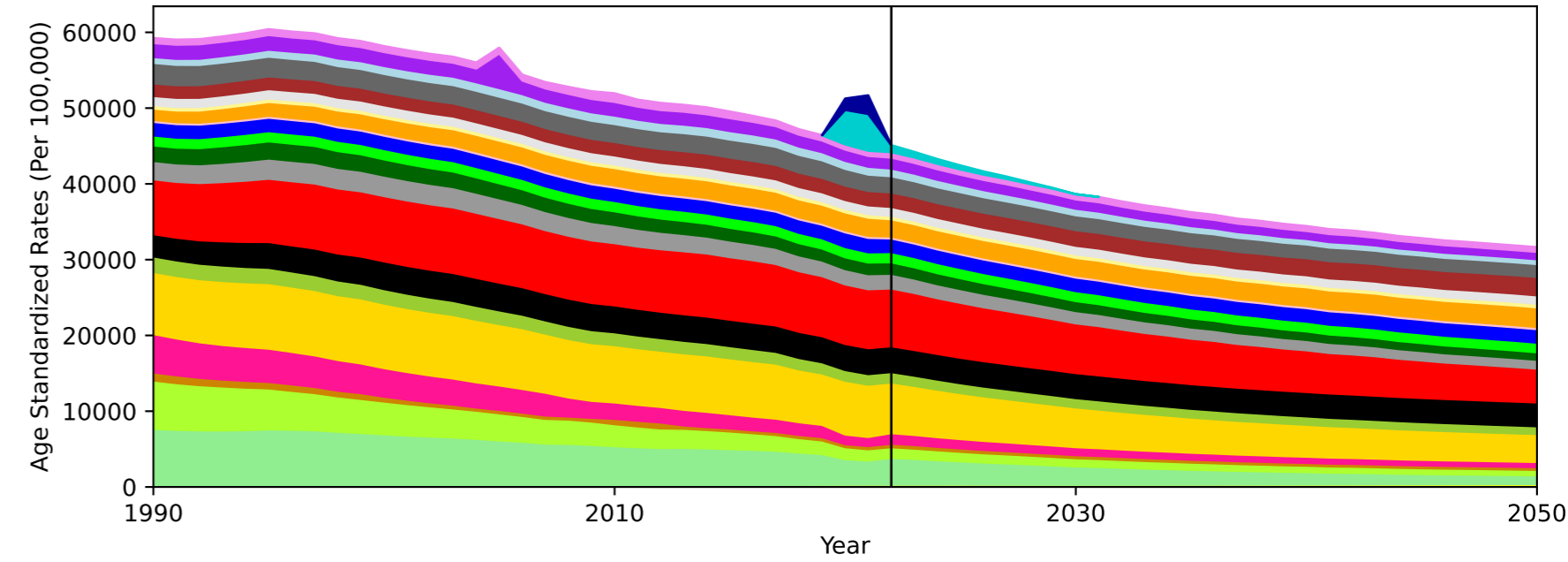


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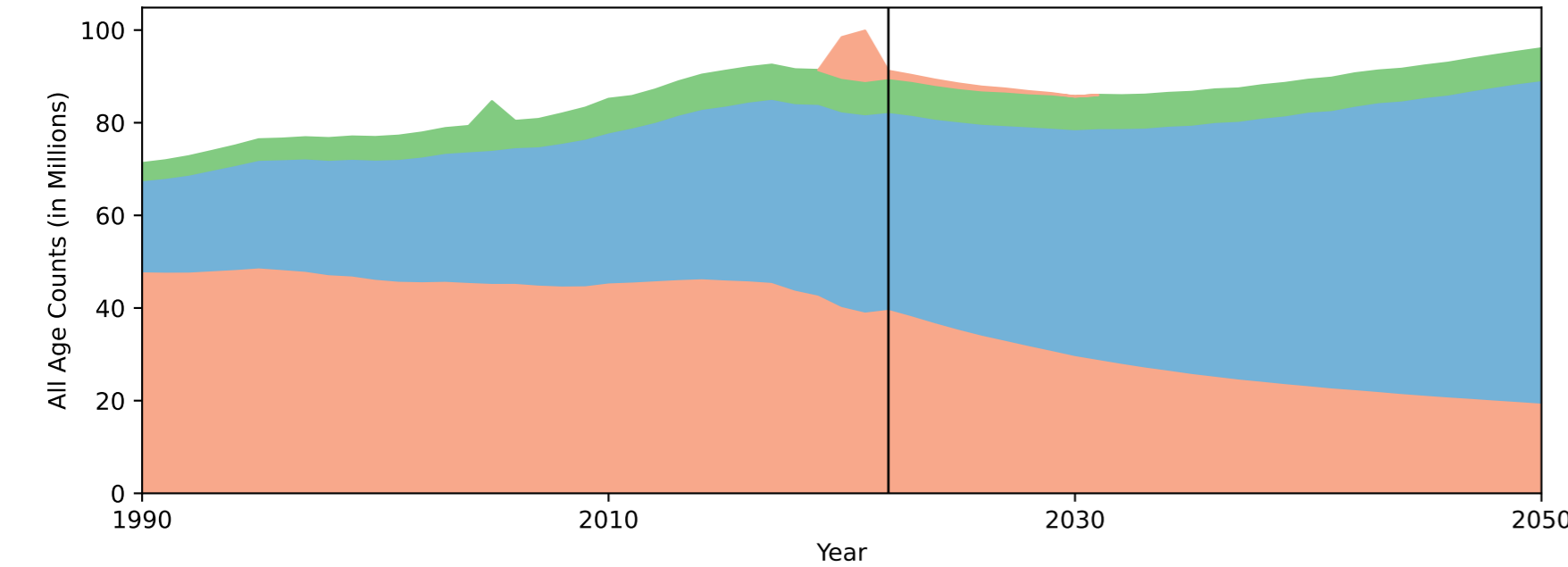
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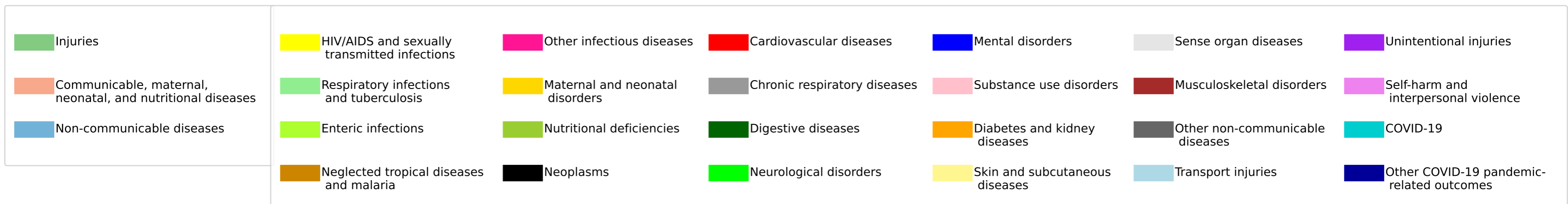
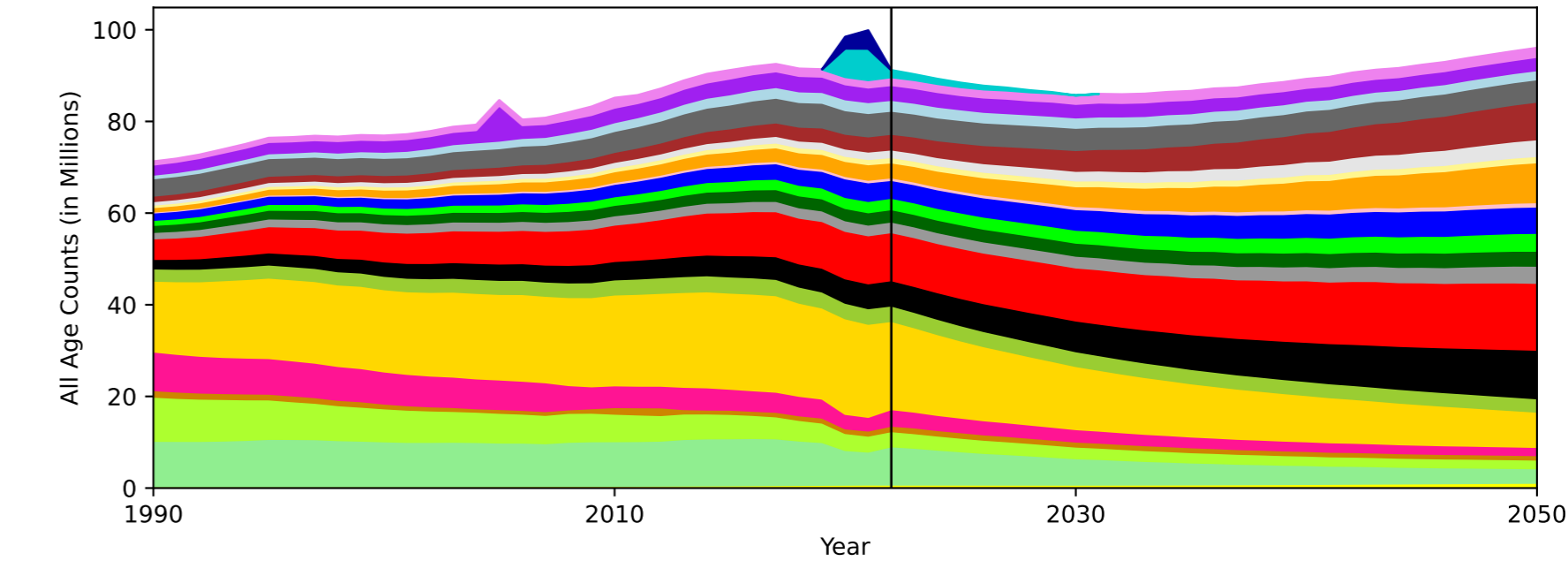
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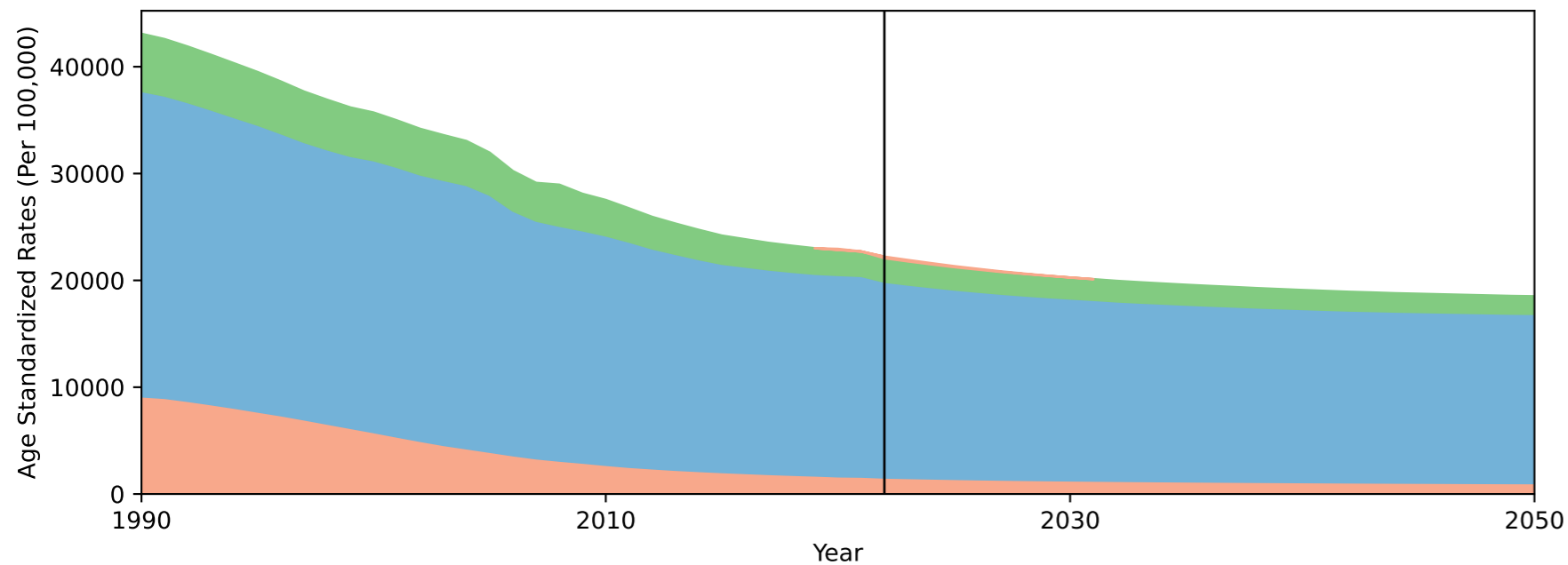
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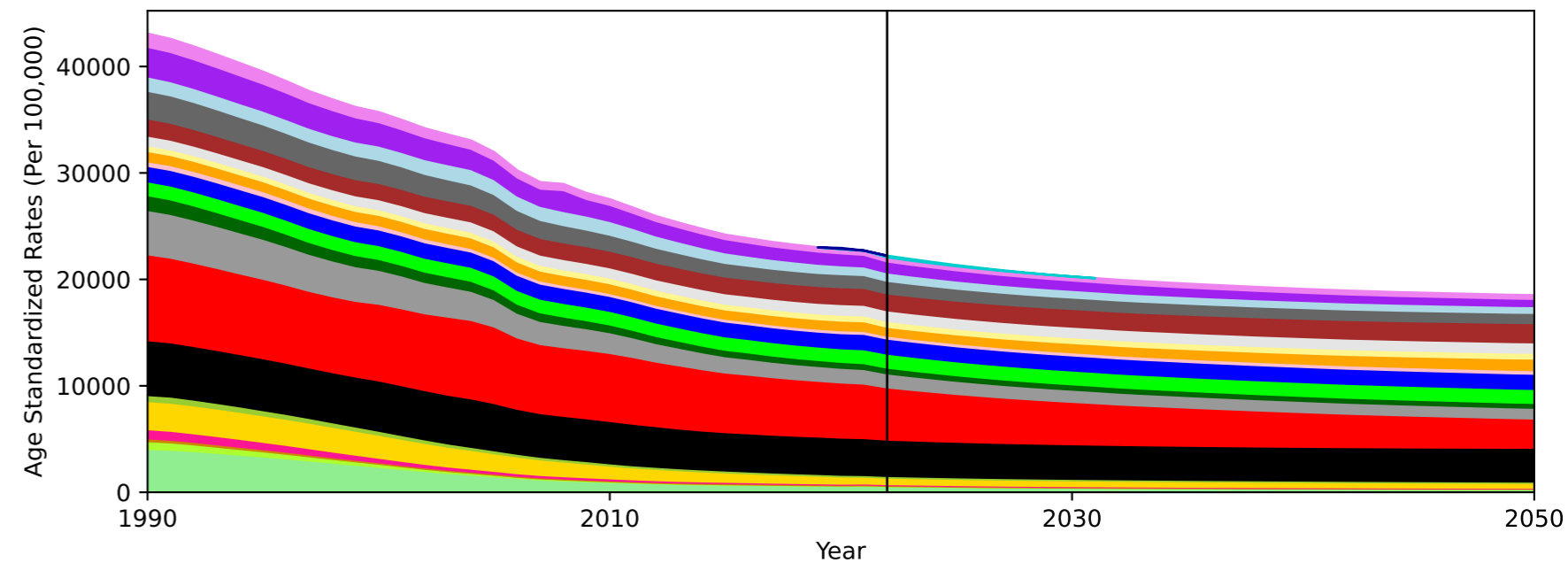
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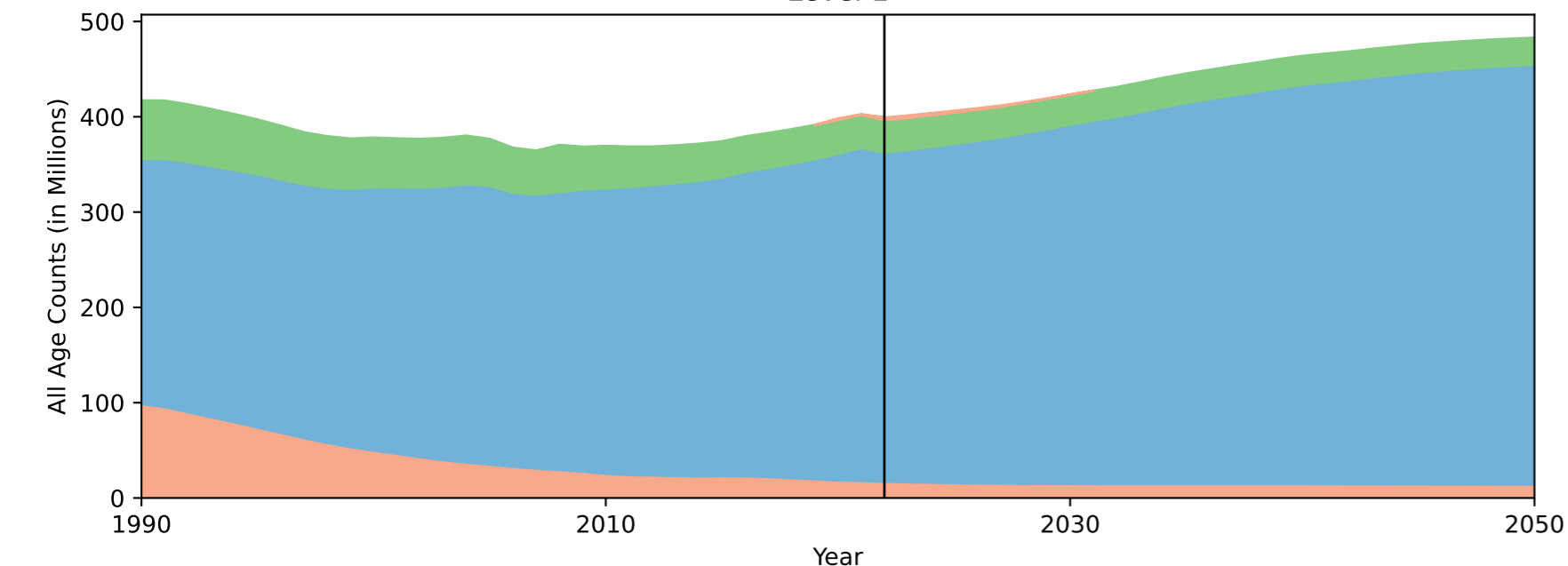
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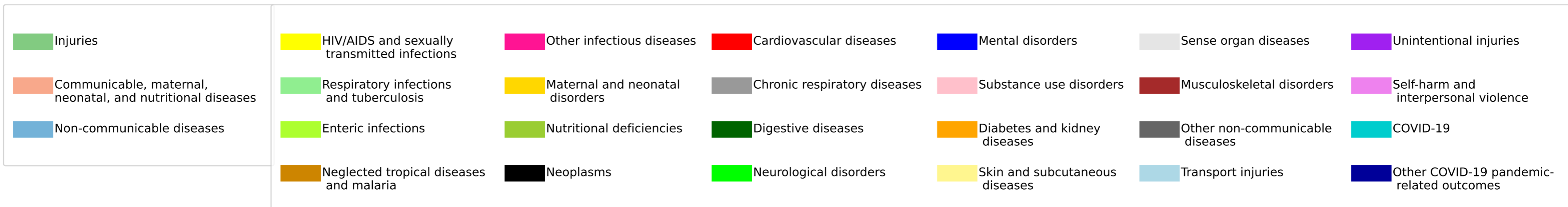
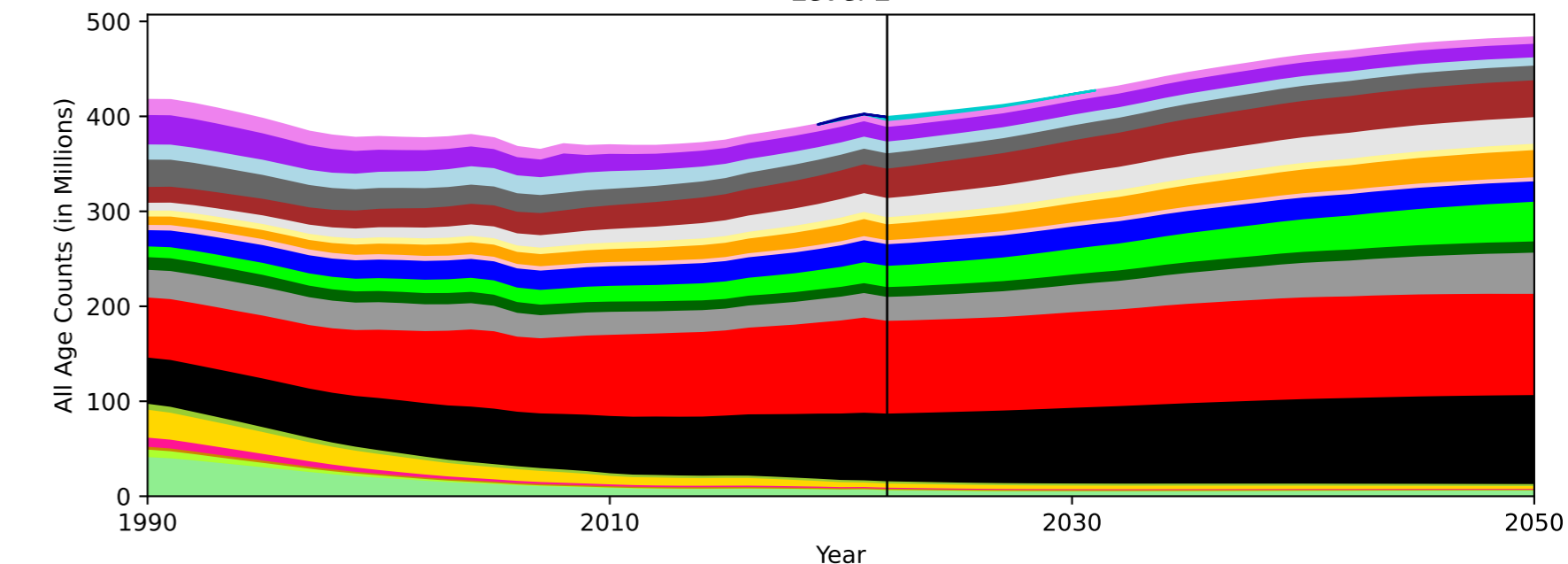
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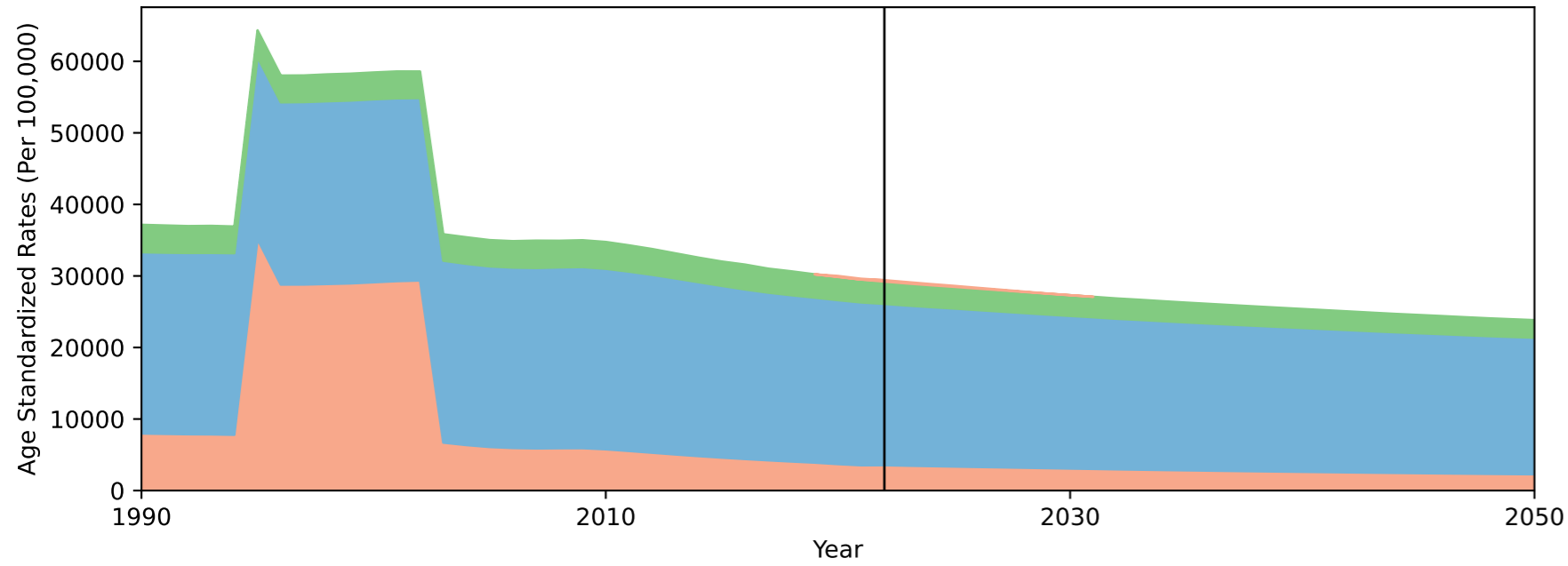


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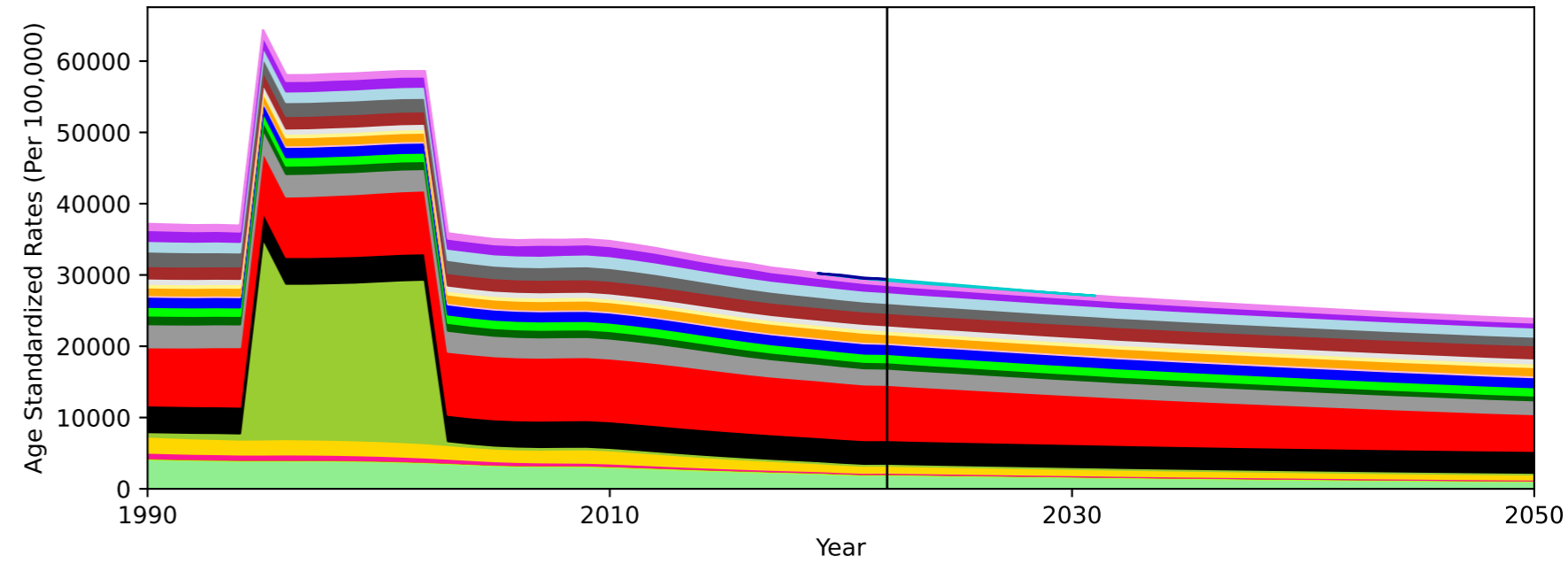


# North Korea

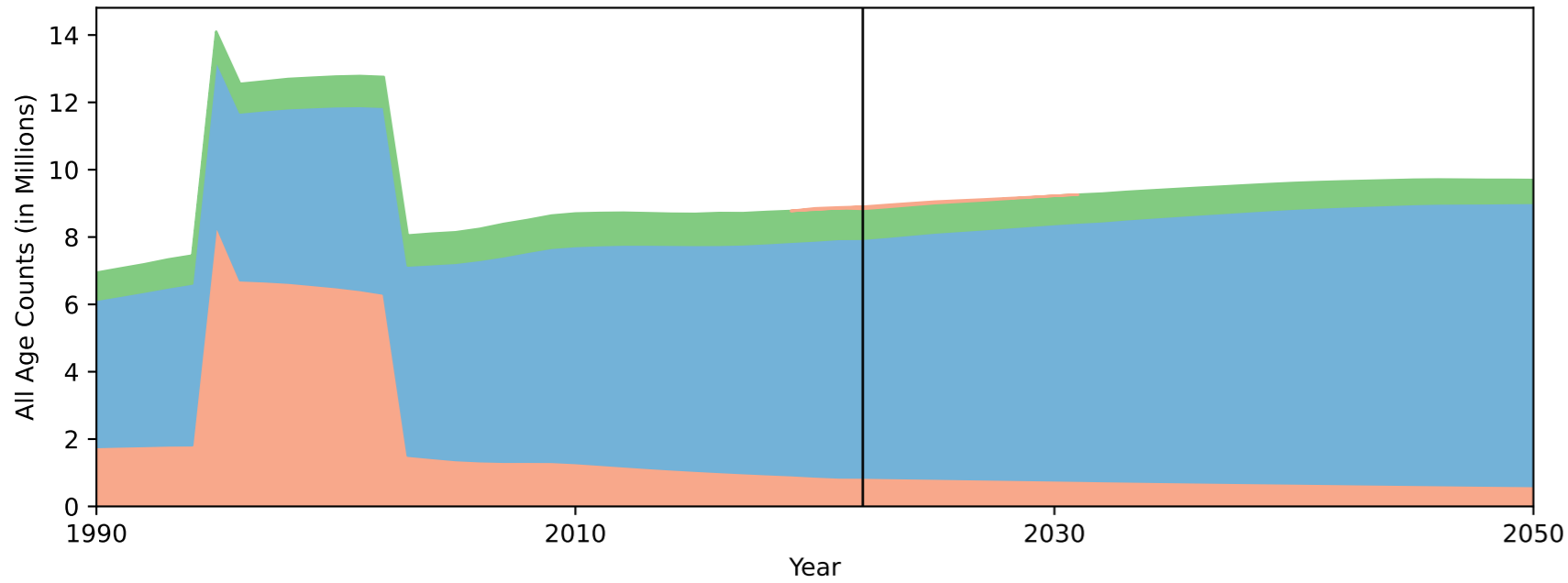
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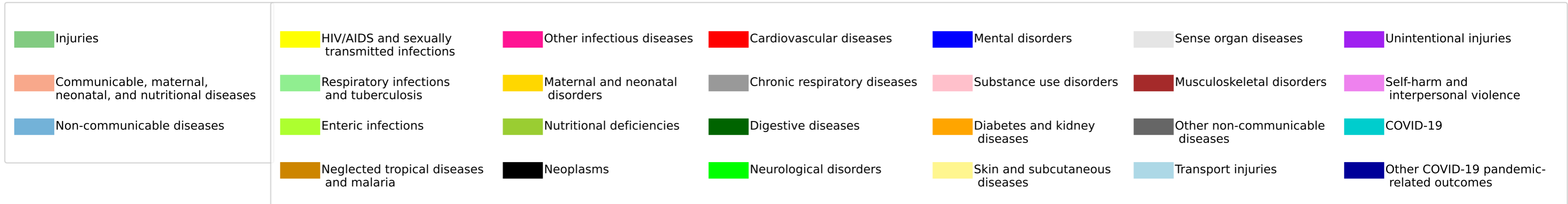
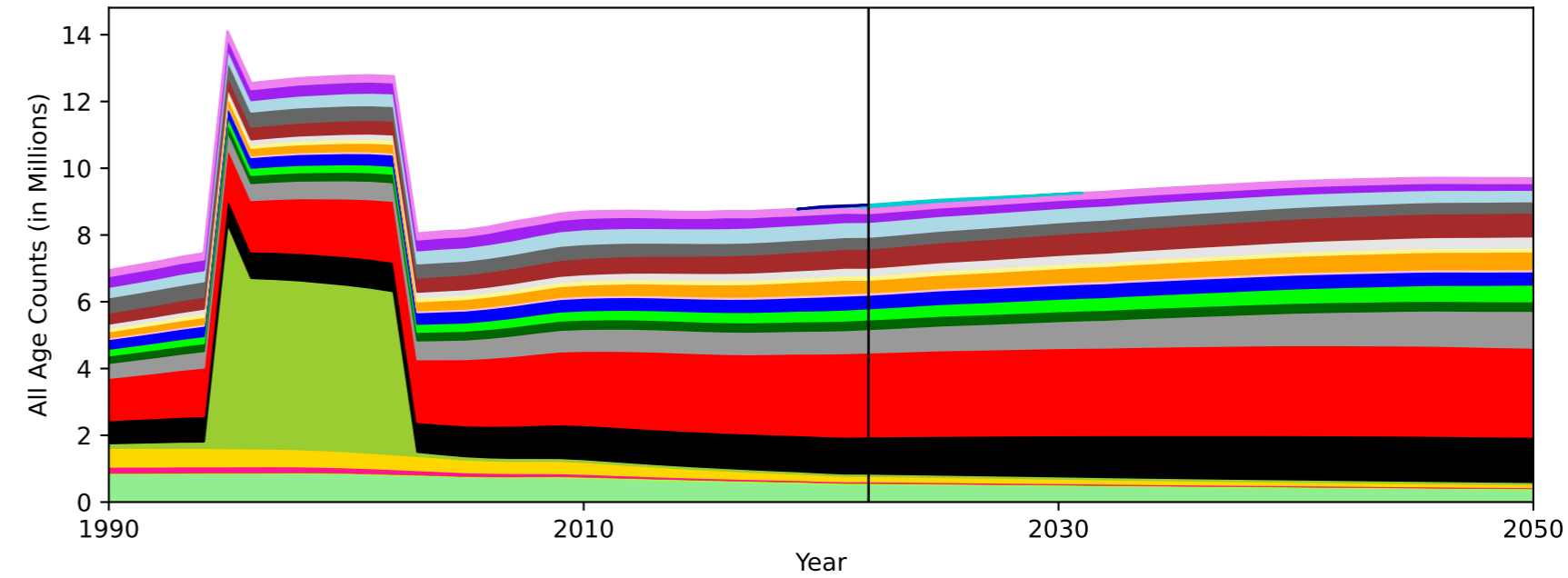
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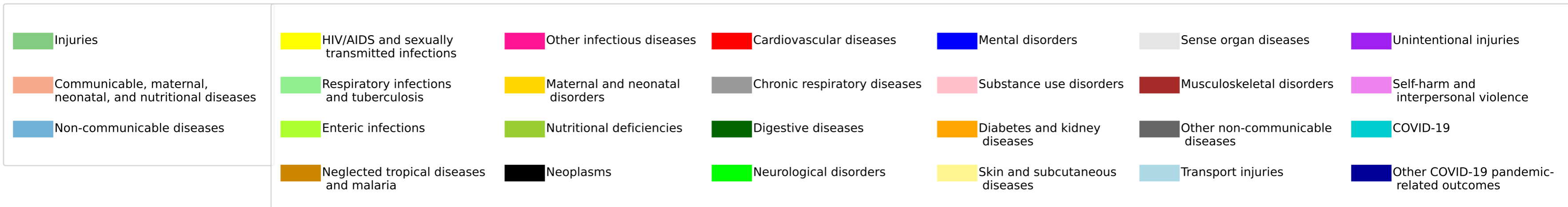
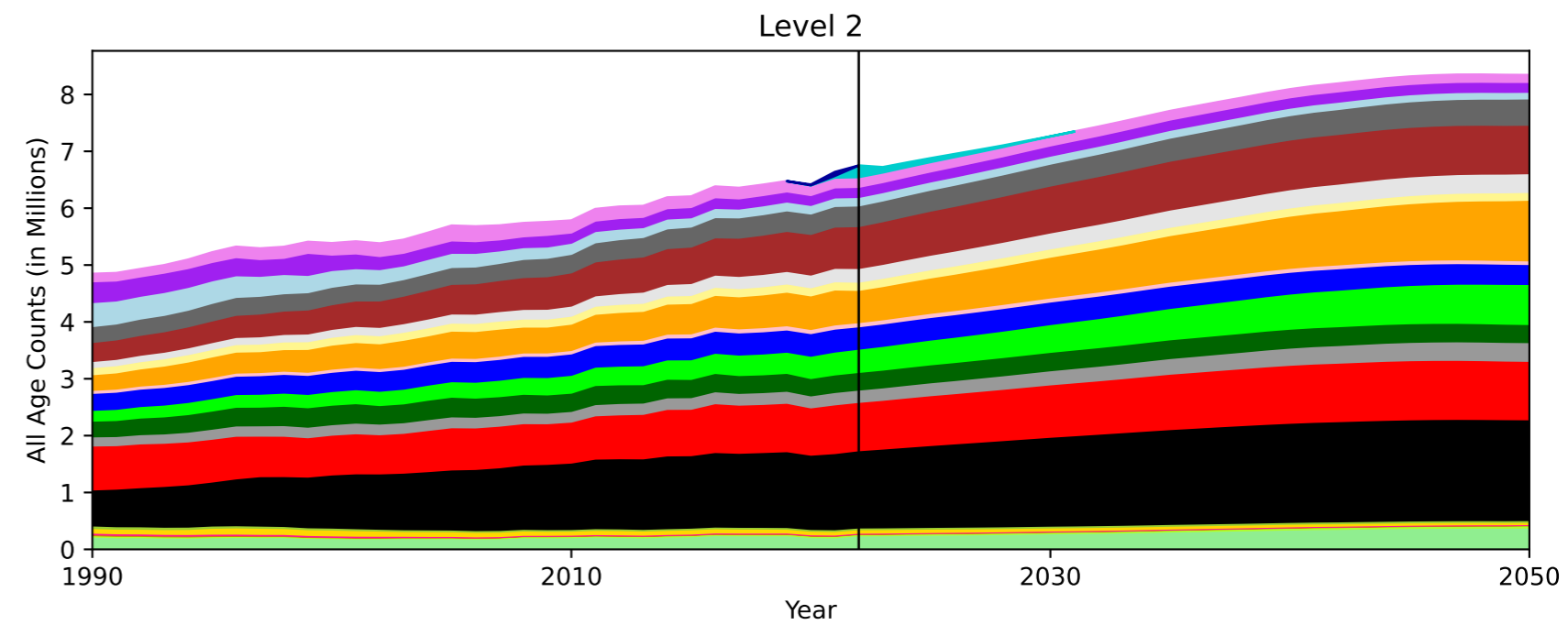
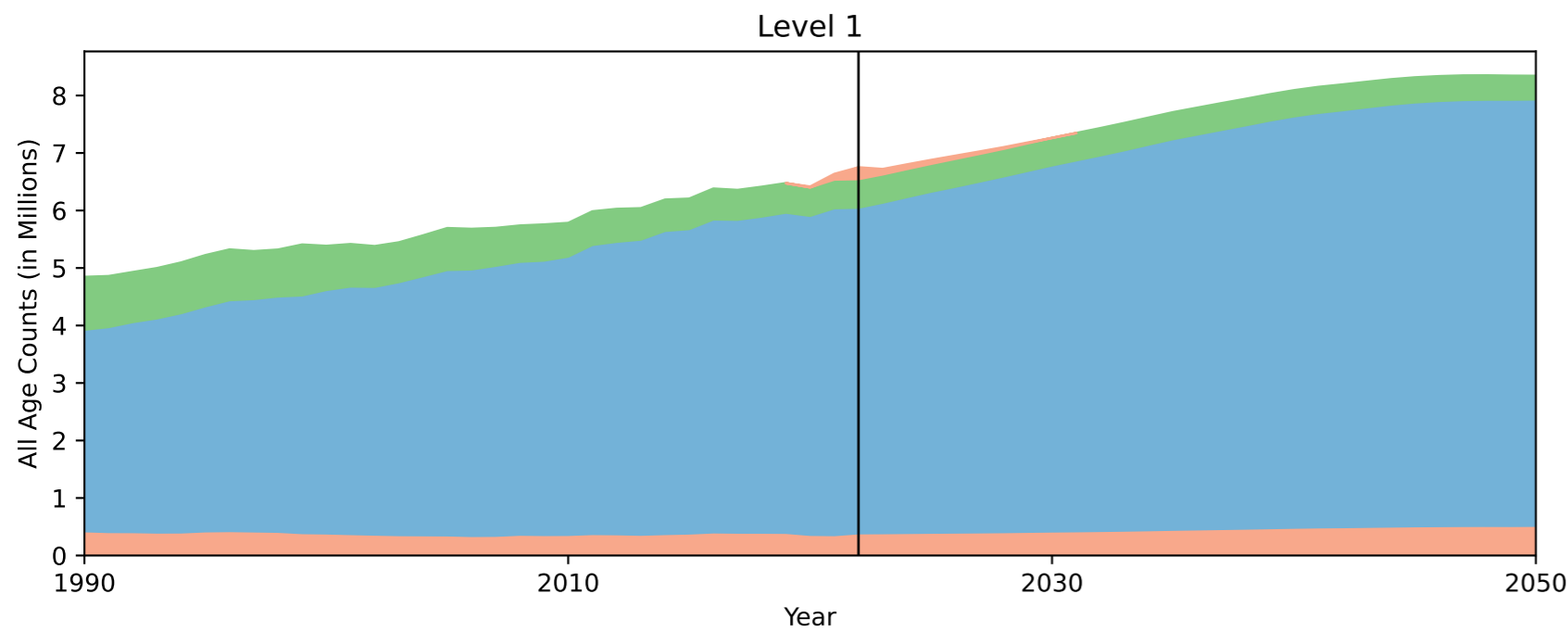
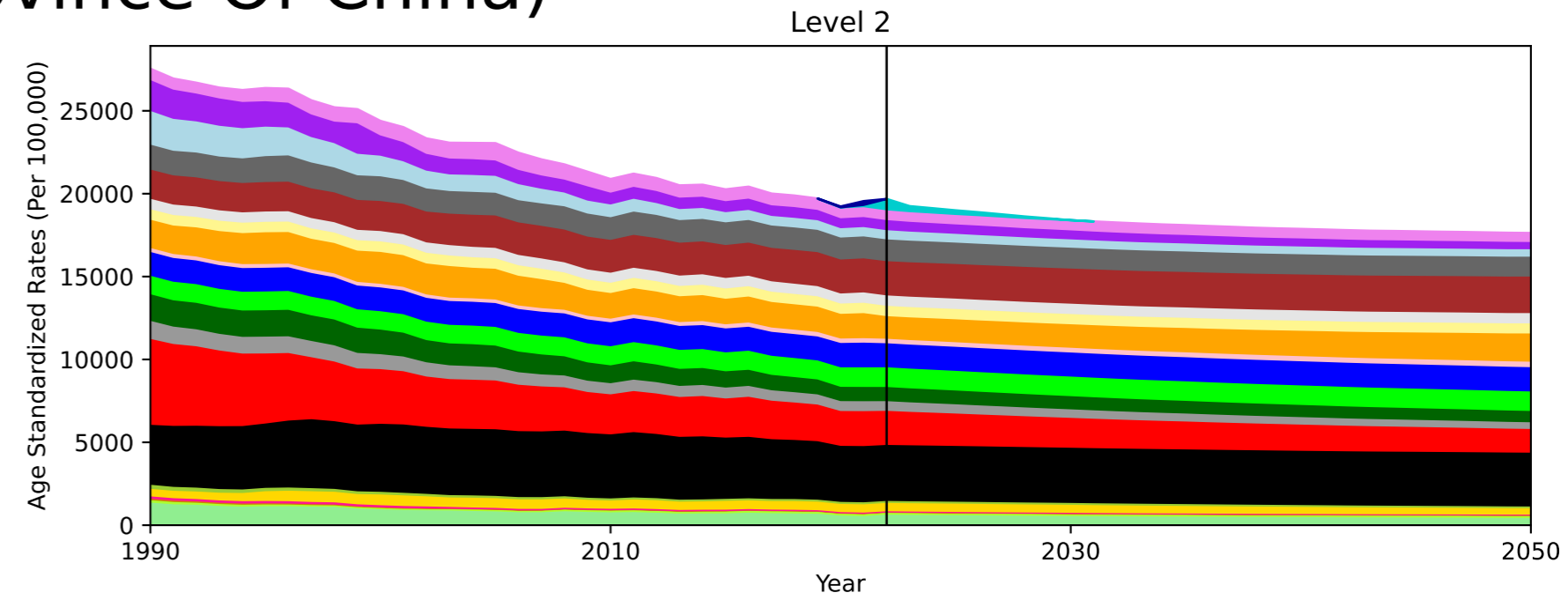
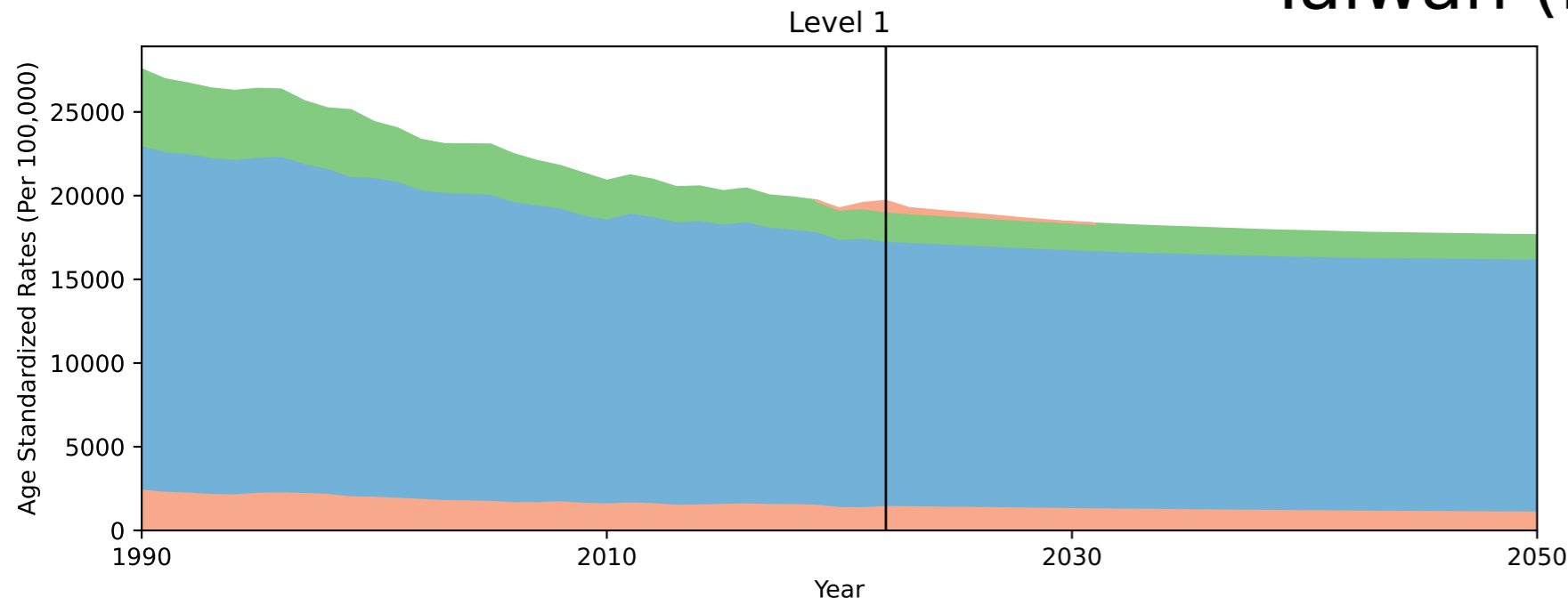
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Level 2



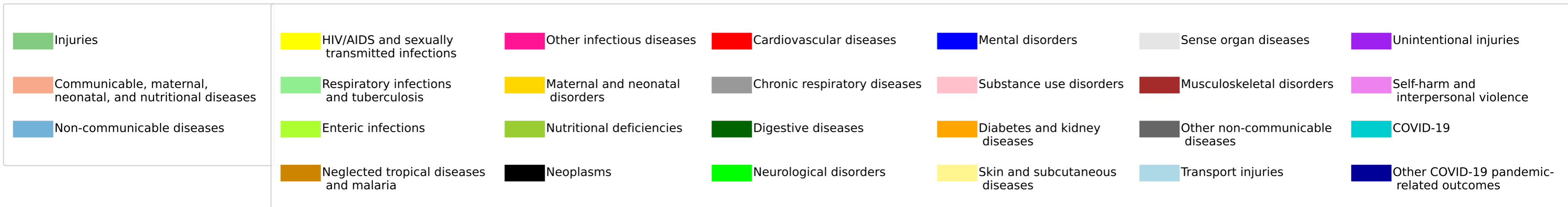
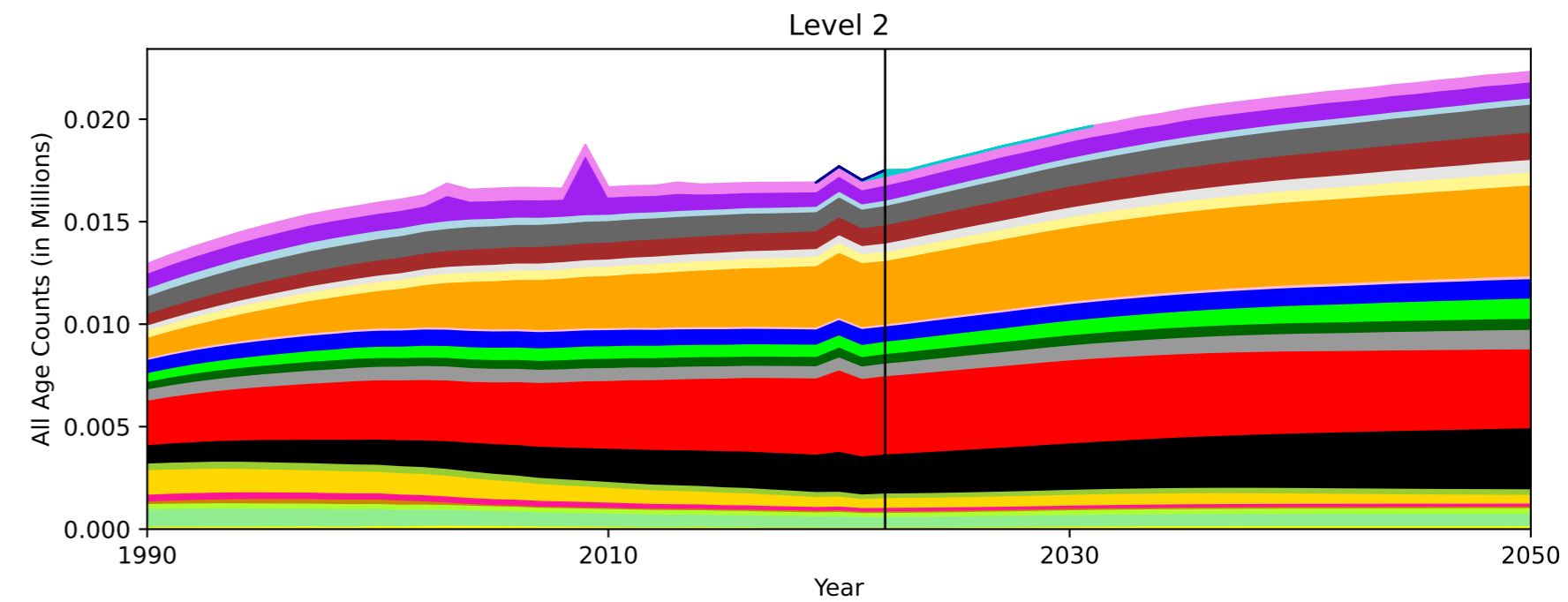
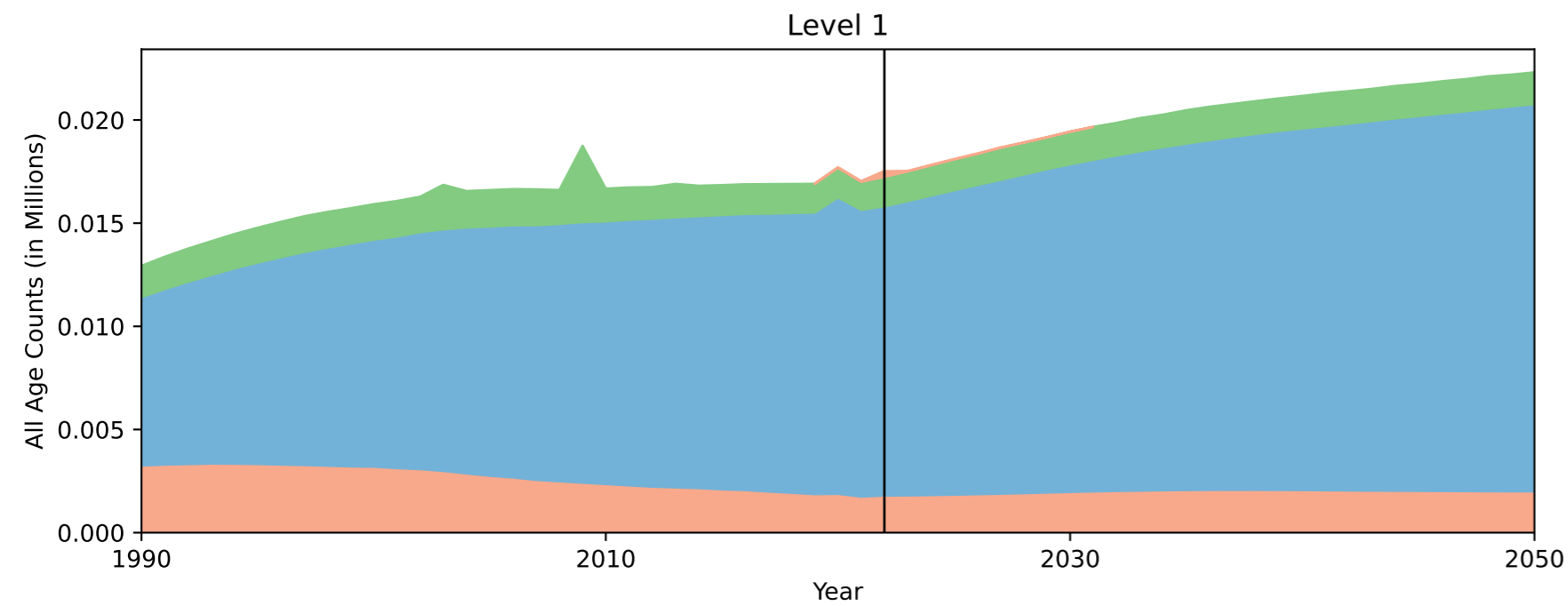
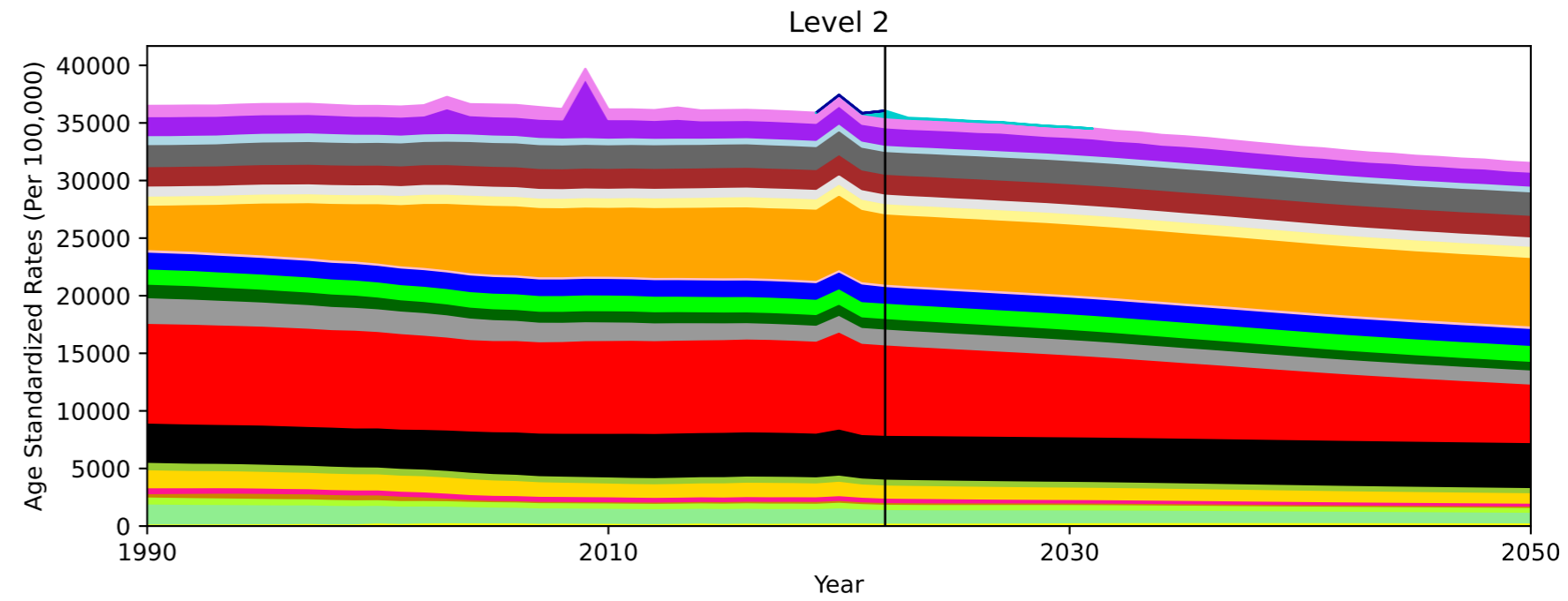
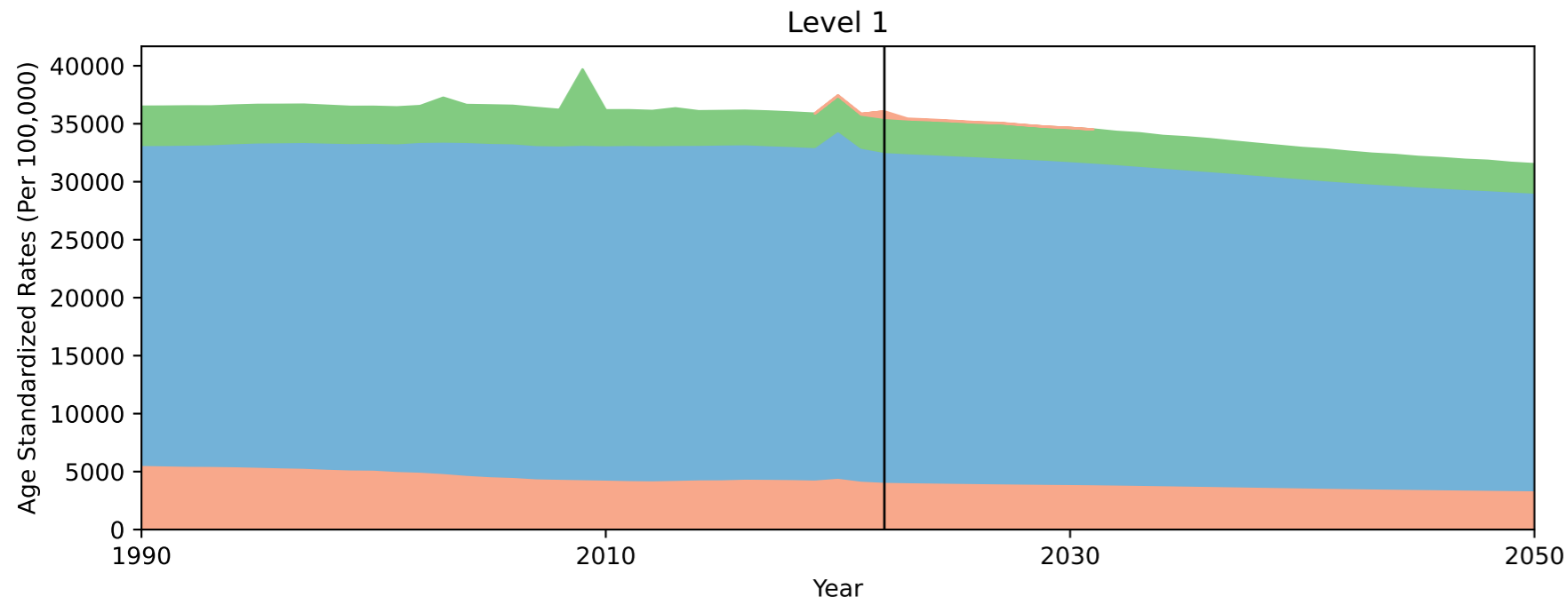
# Taiwan (Province Of China)



# American Samoa

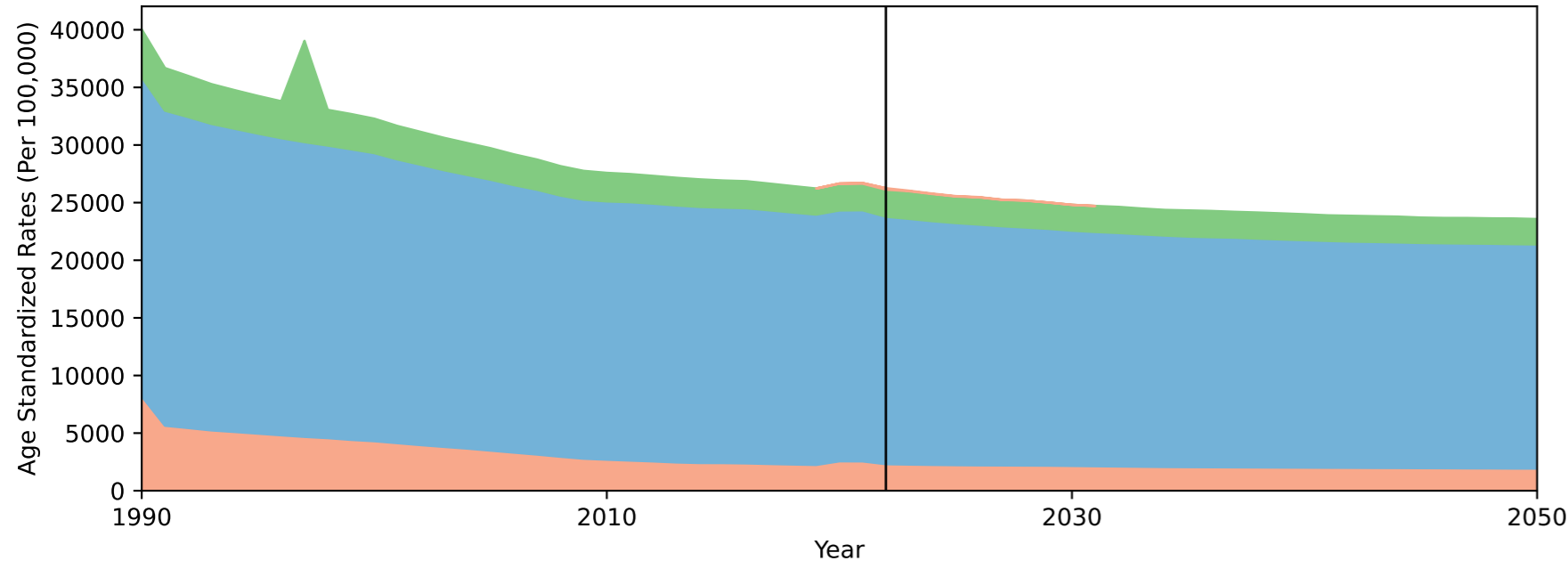
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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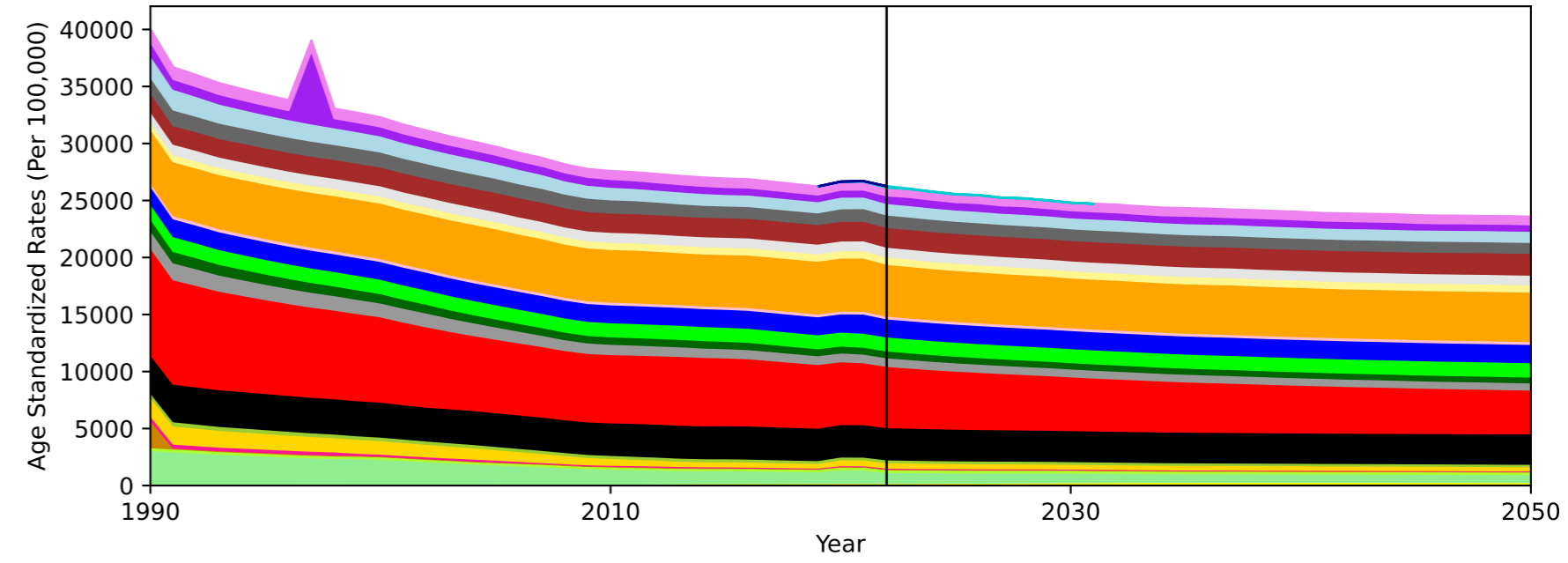


# Cook Islands

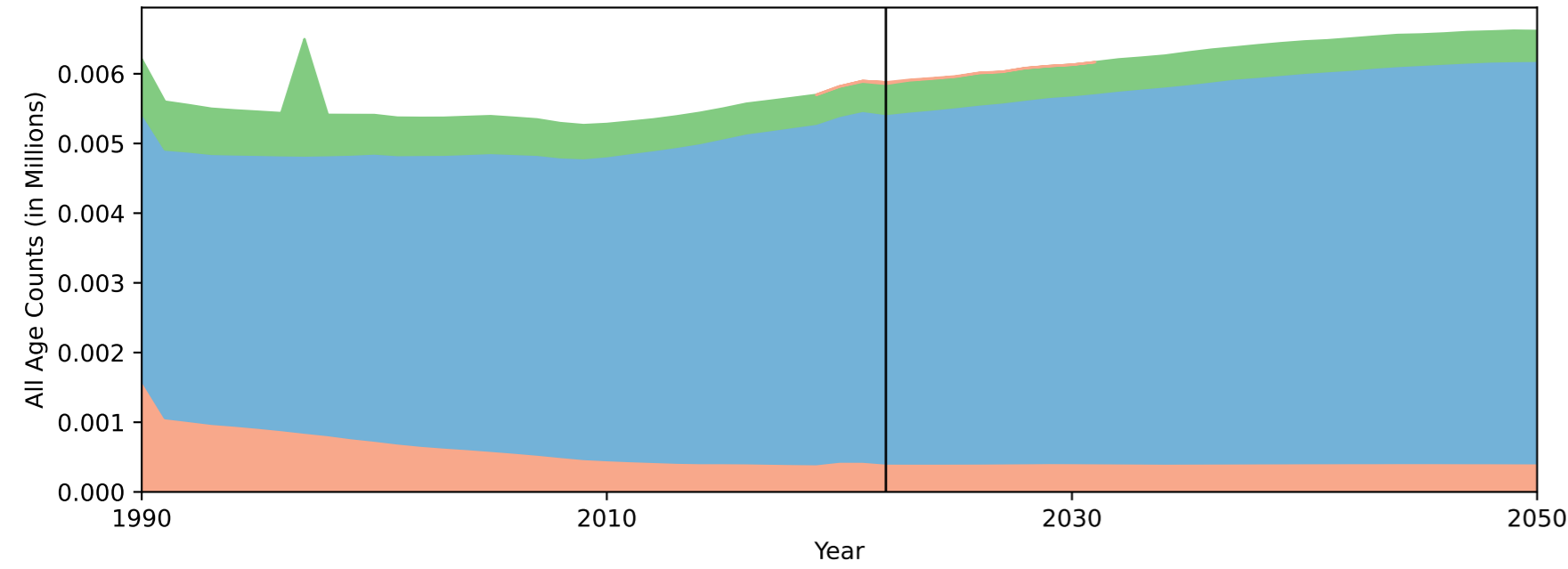
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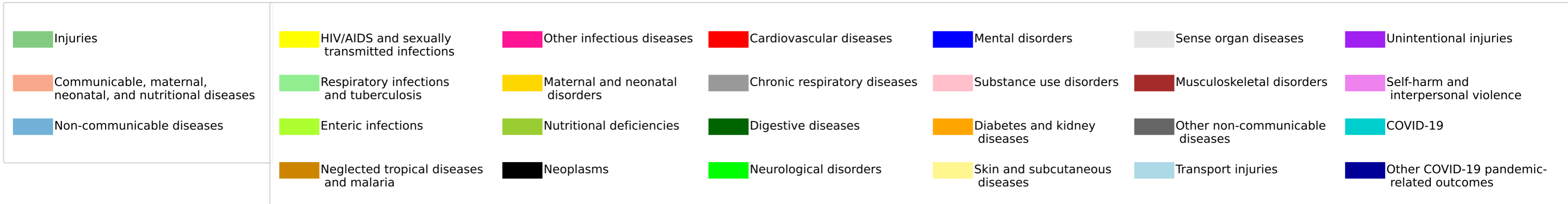
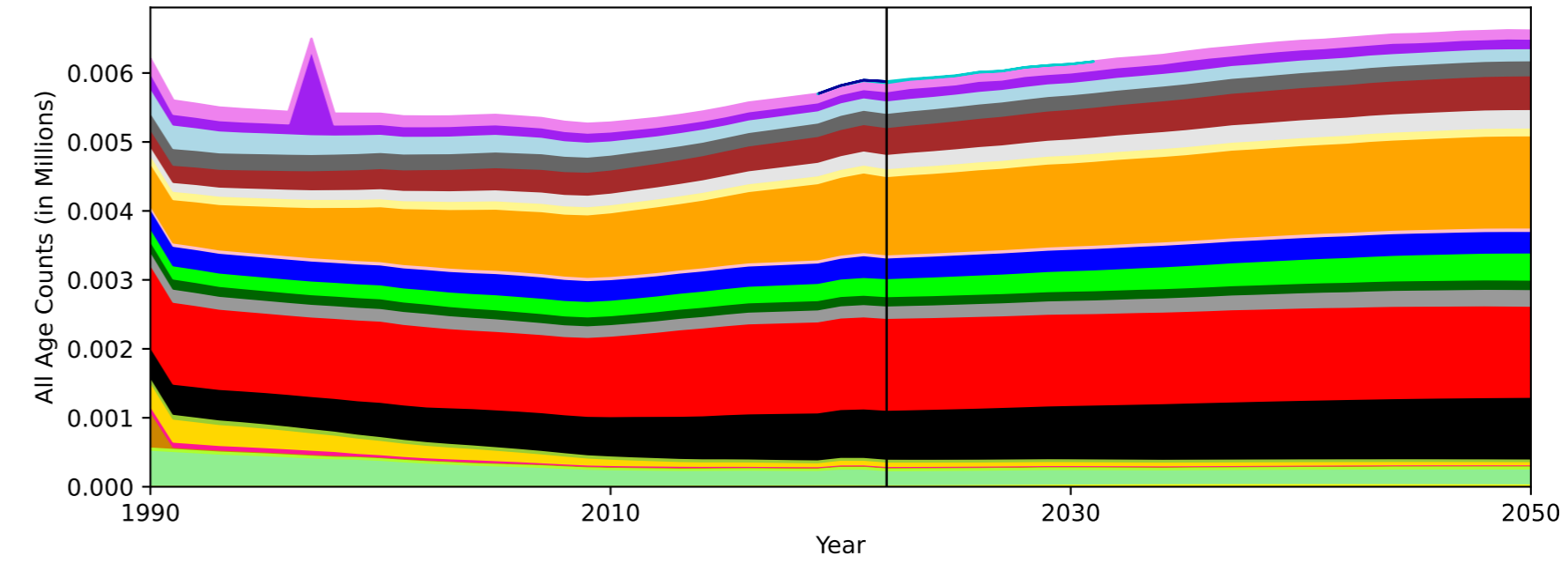
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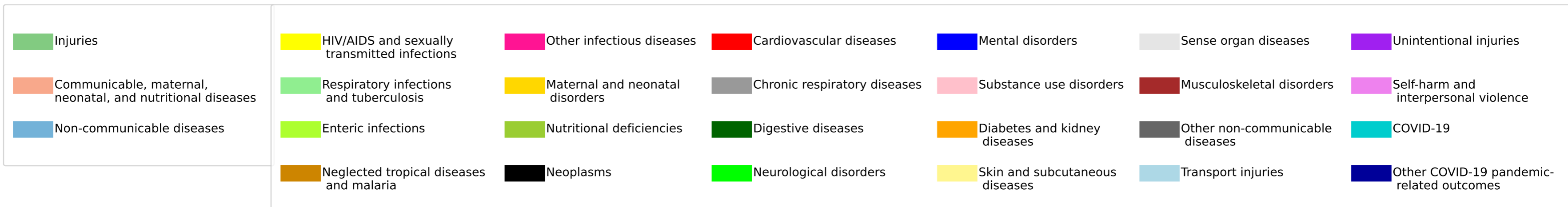
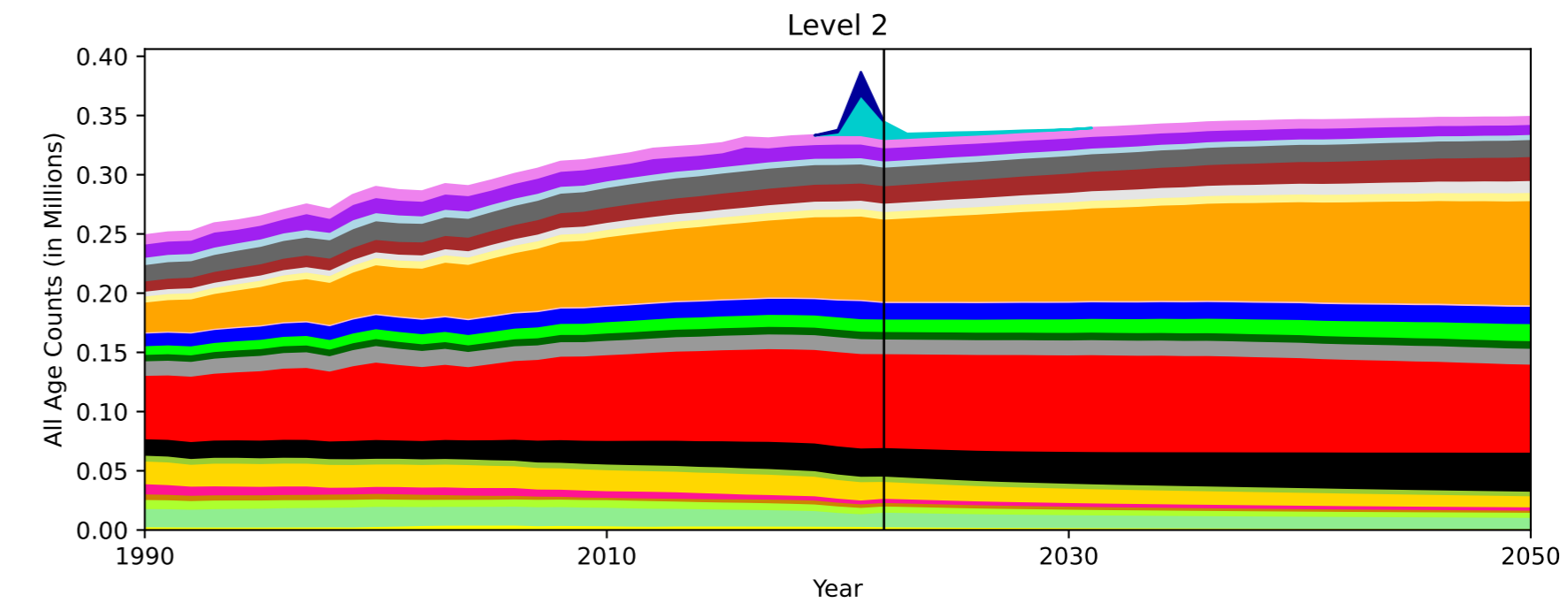
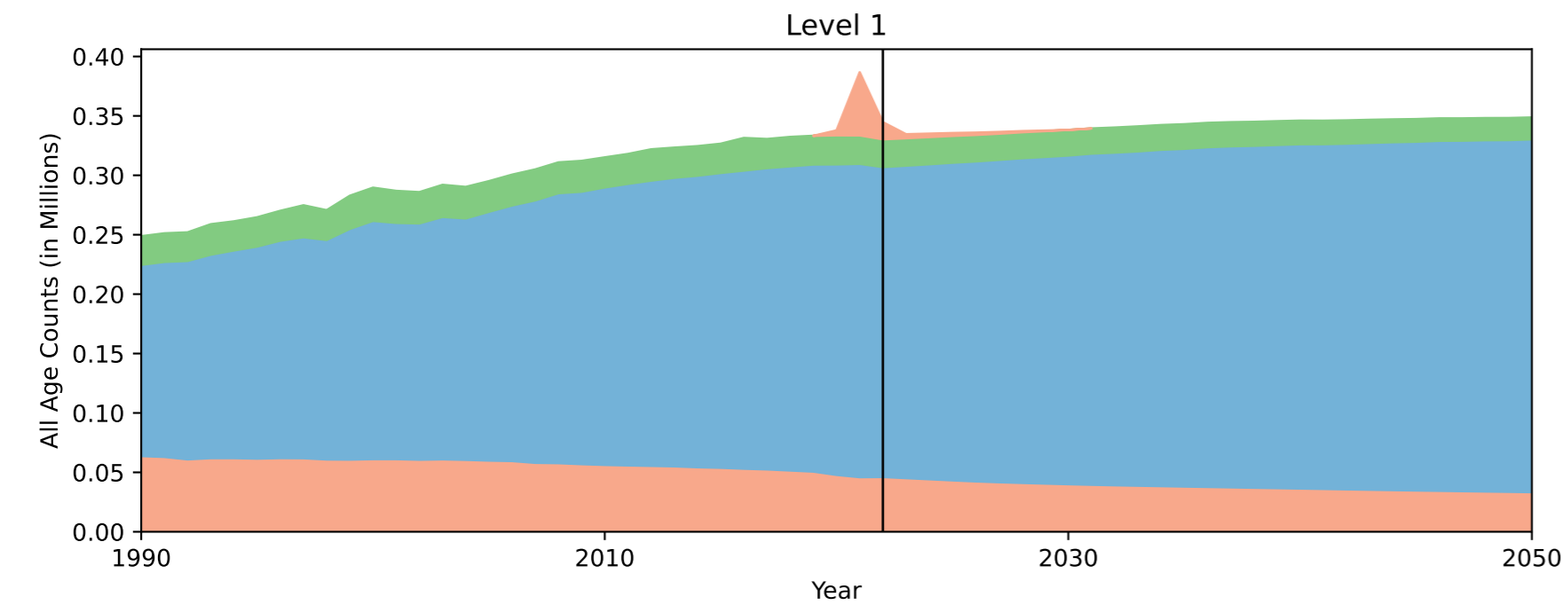
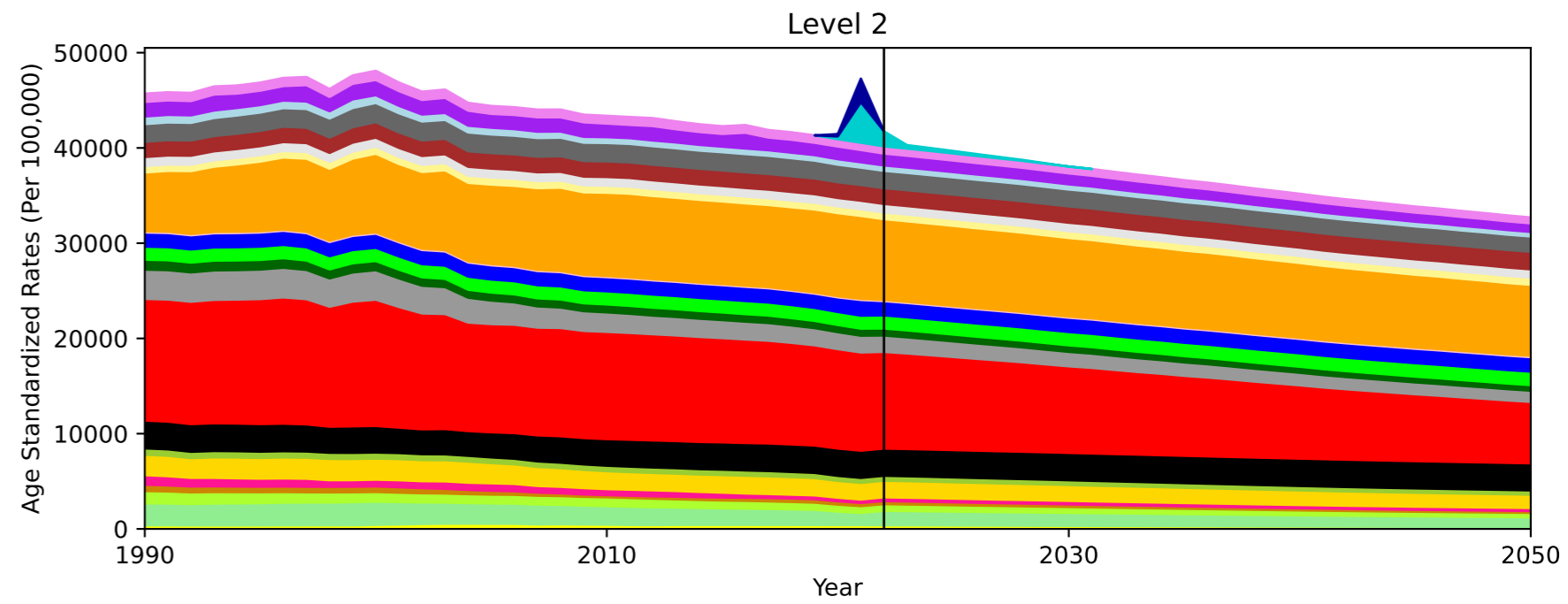
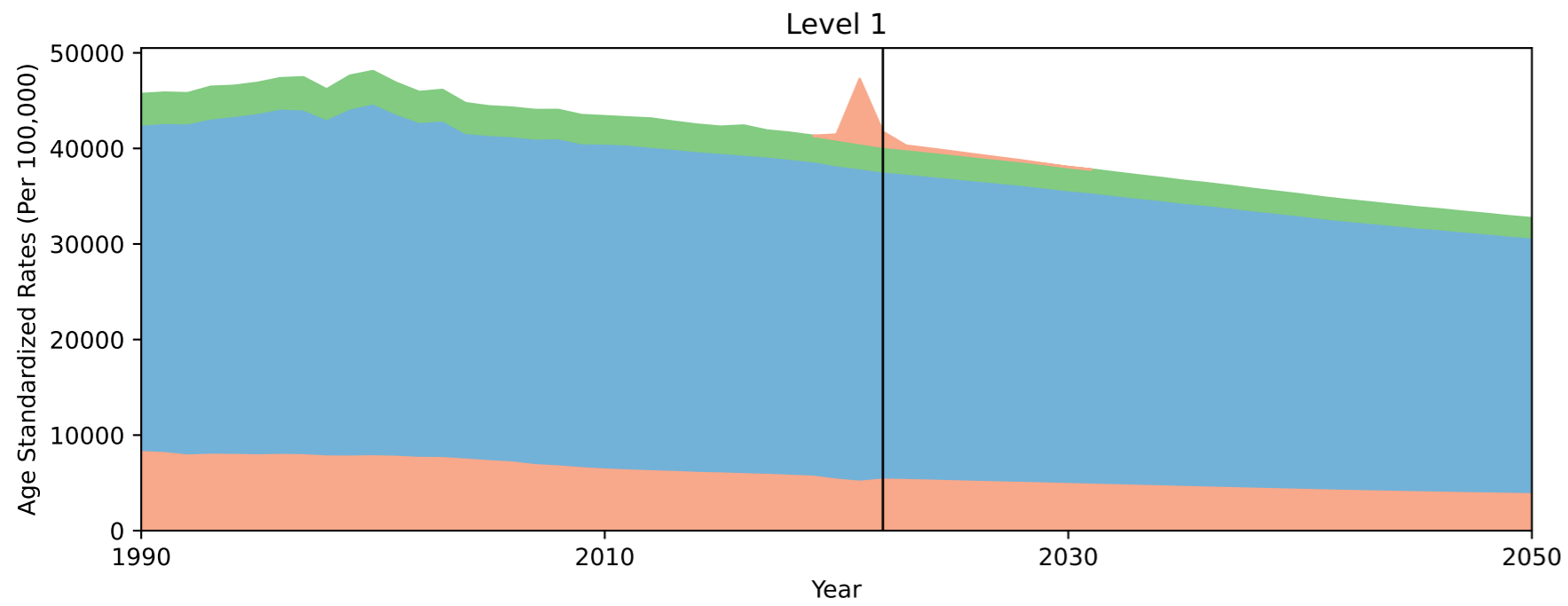


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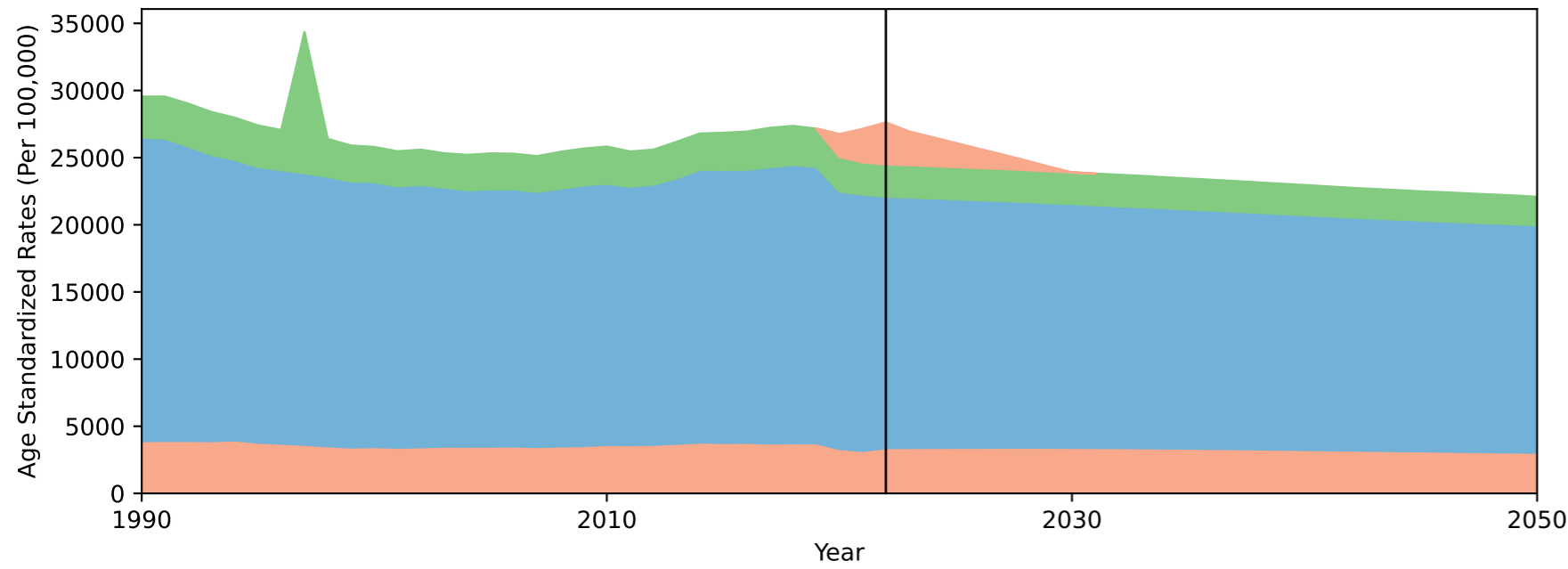
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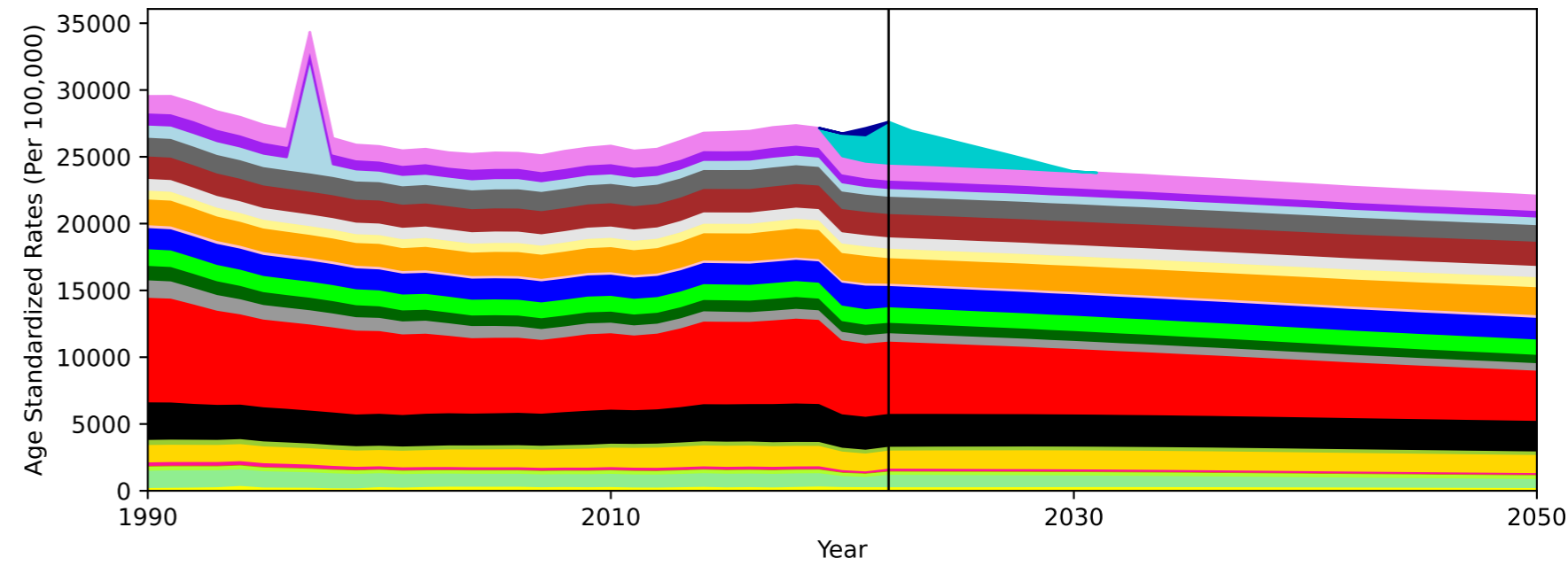


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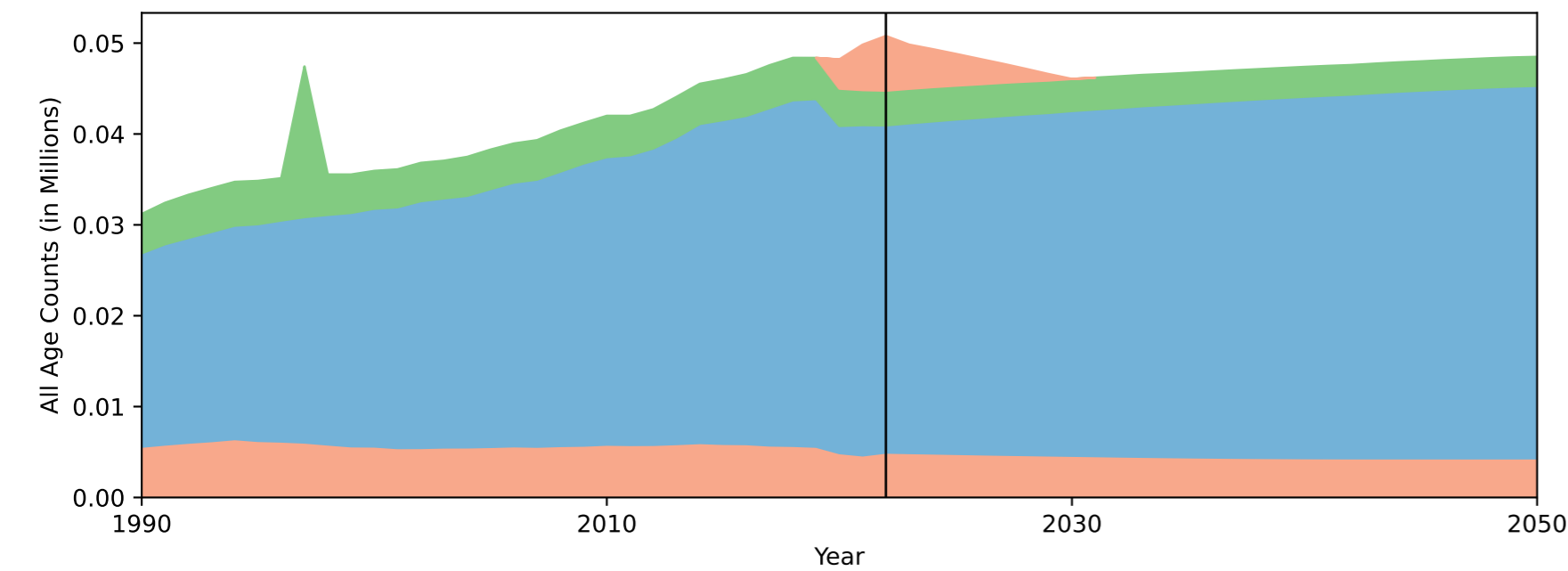
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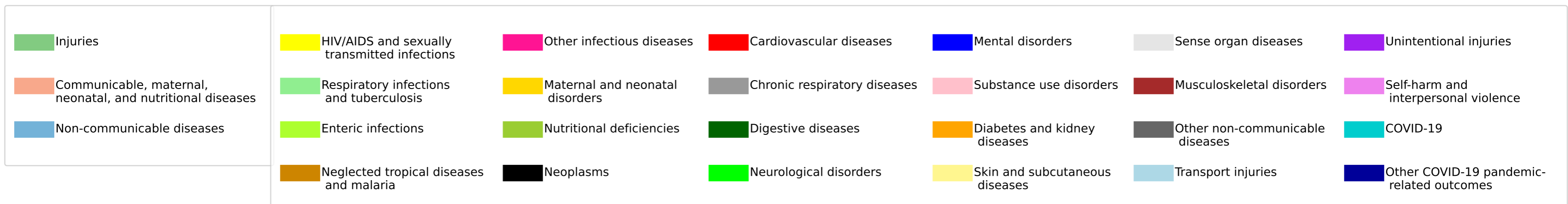
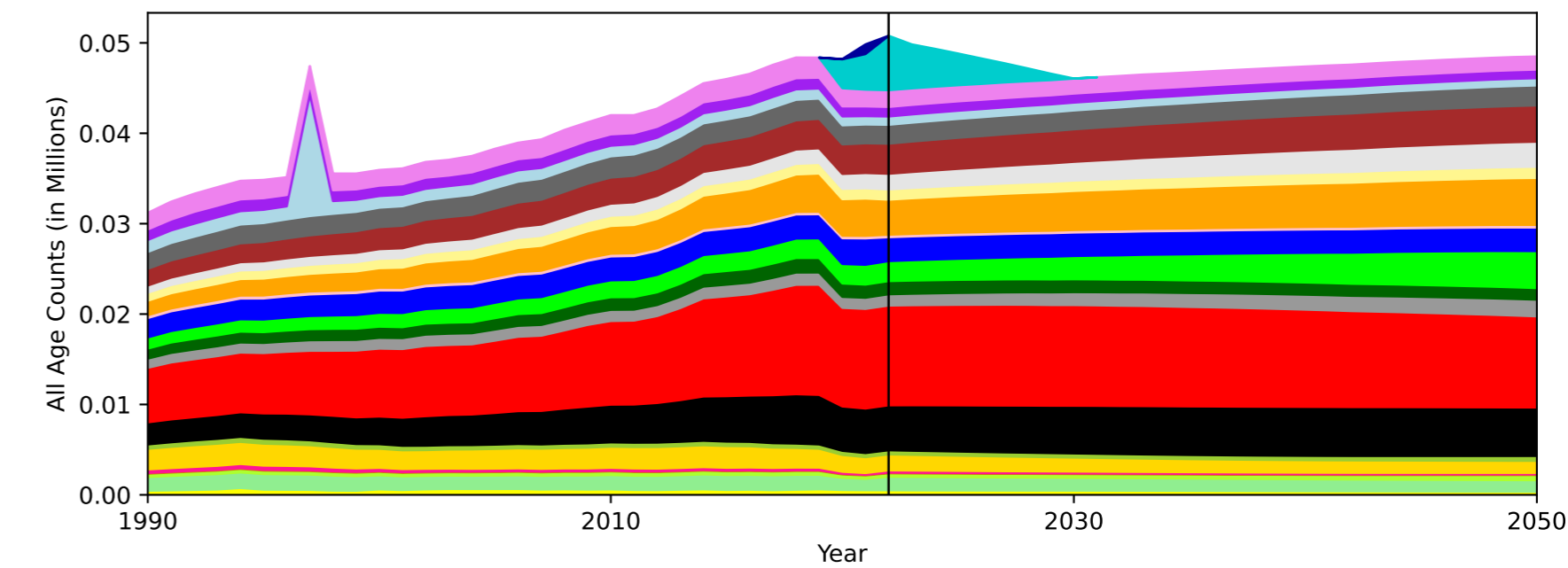
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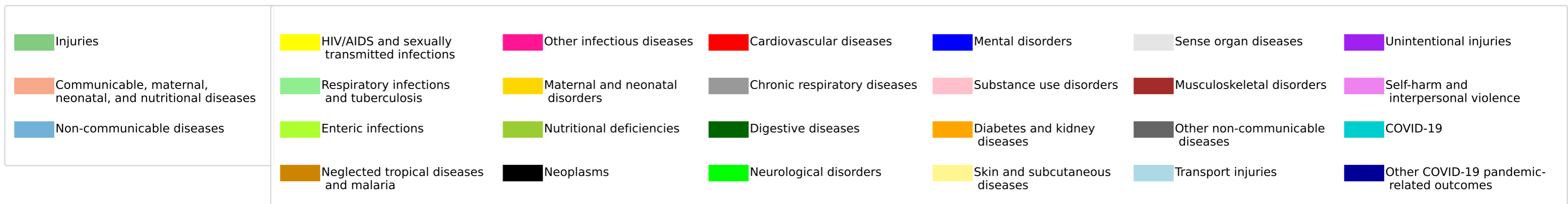
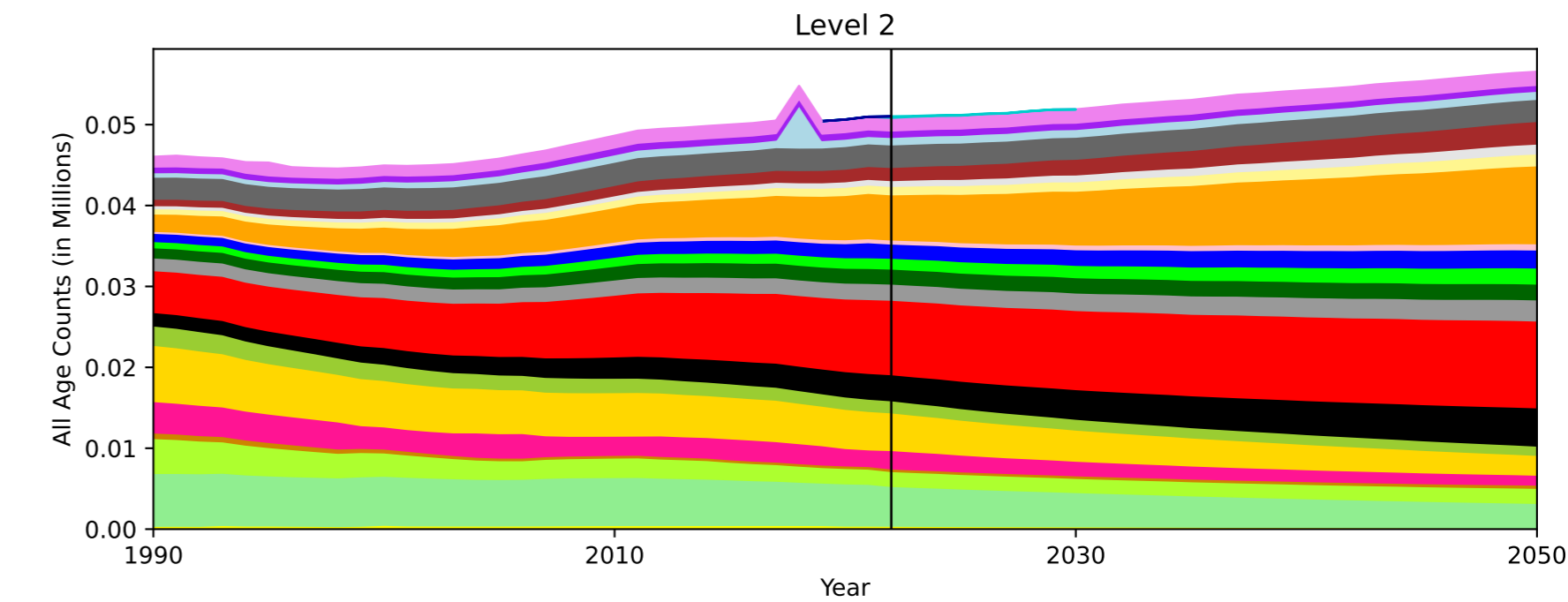
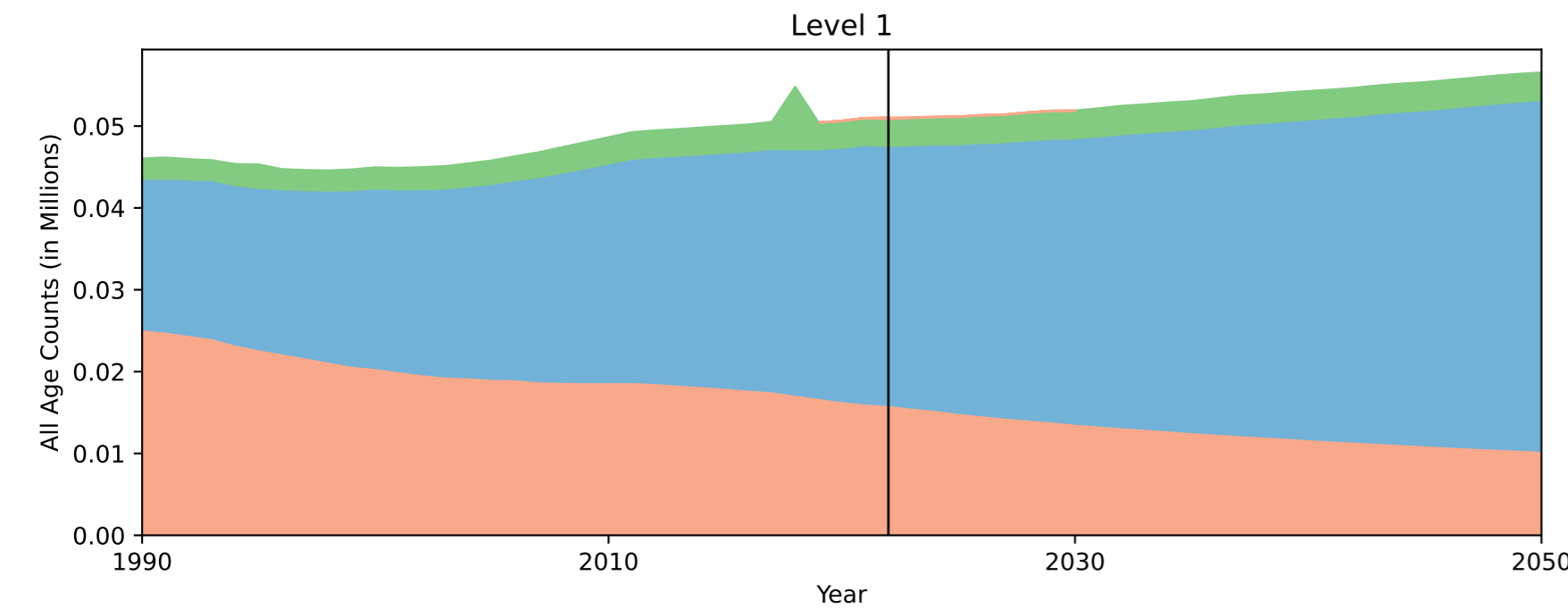
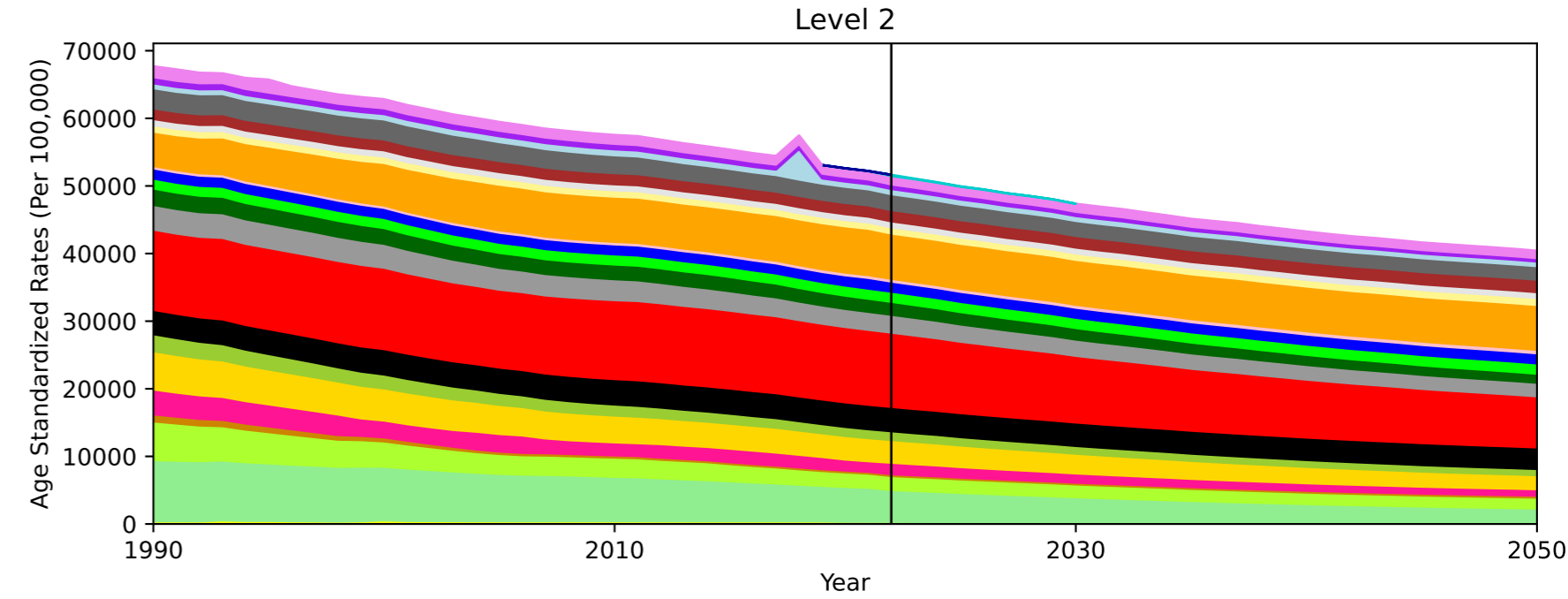
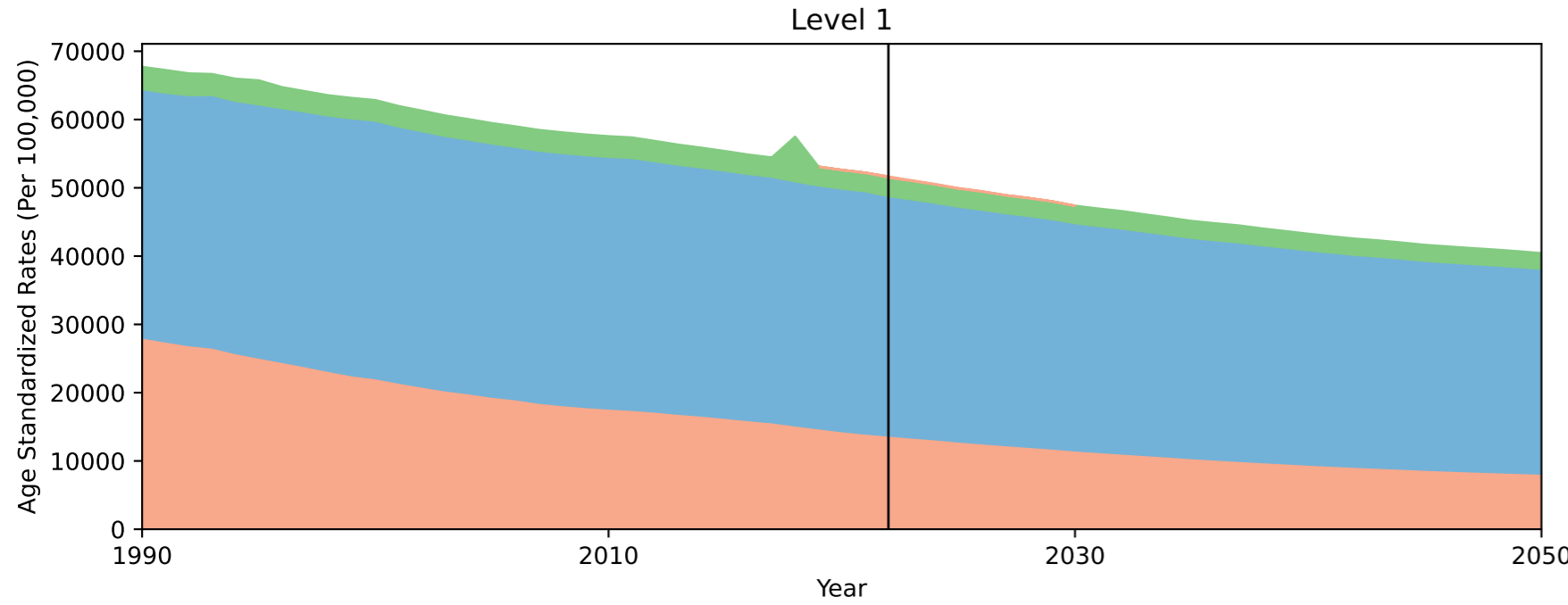
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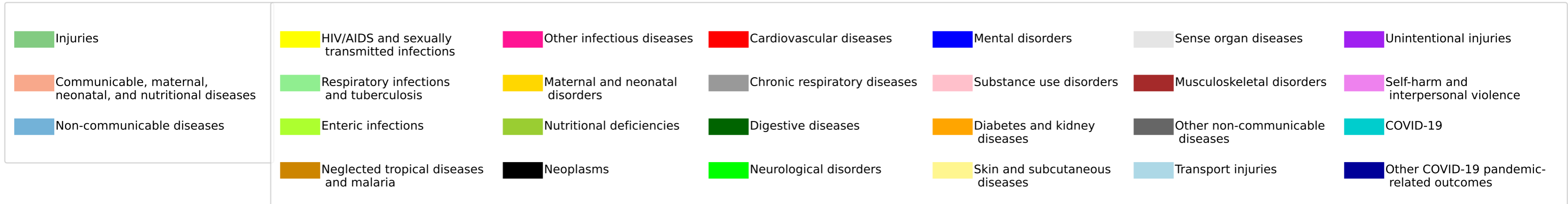
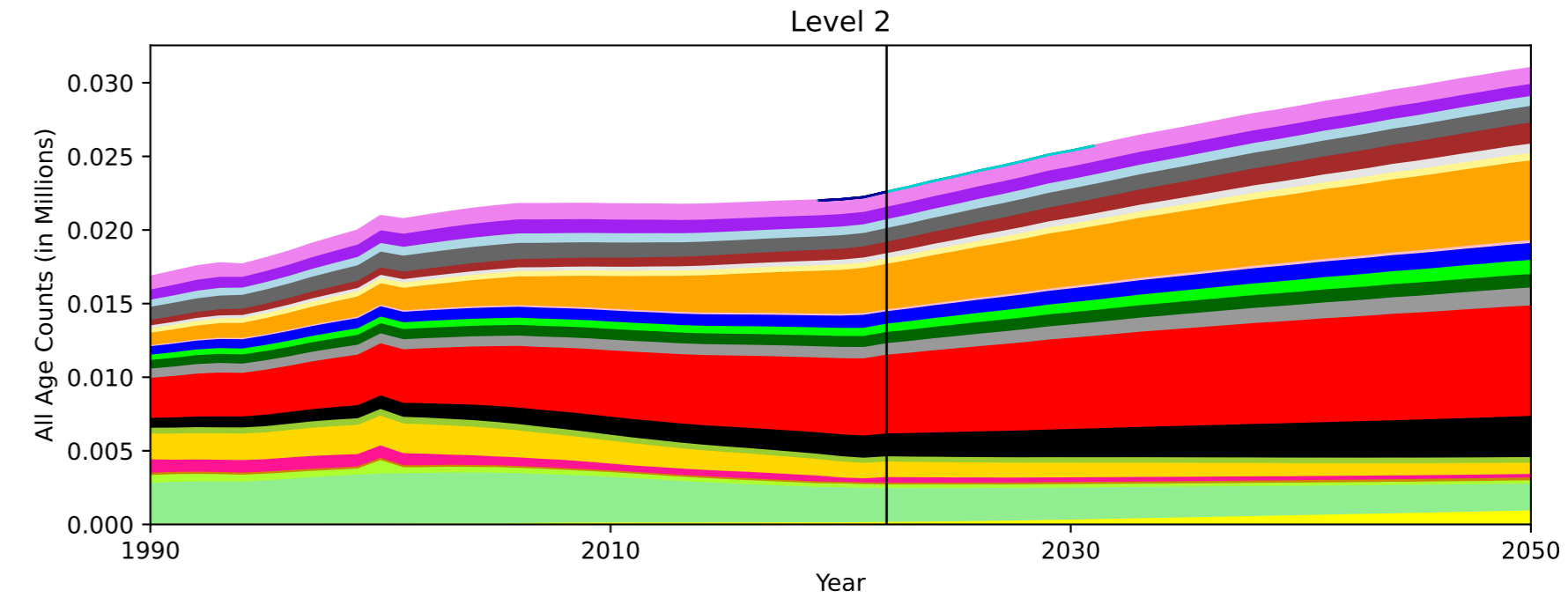
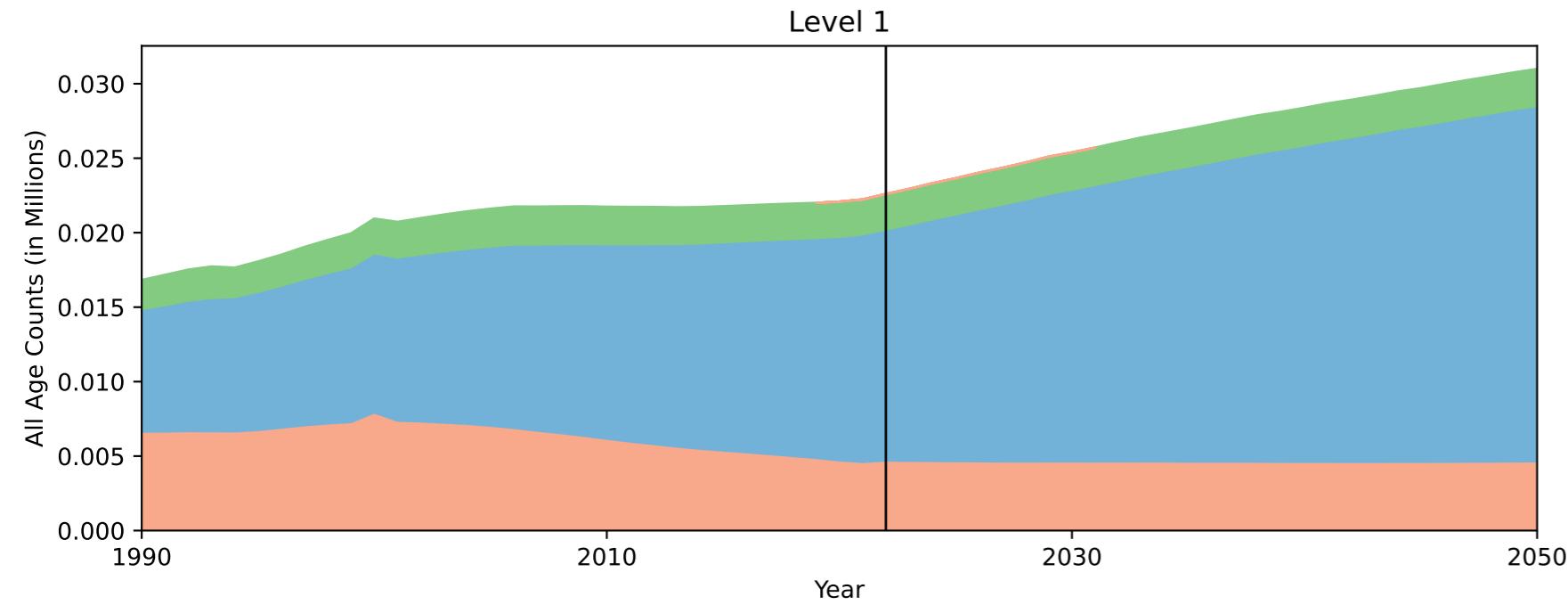
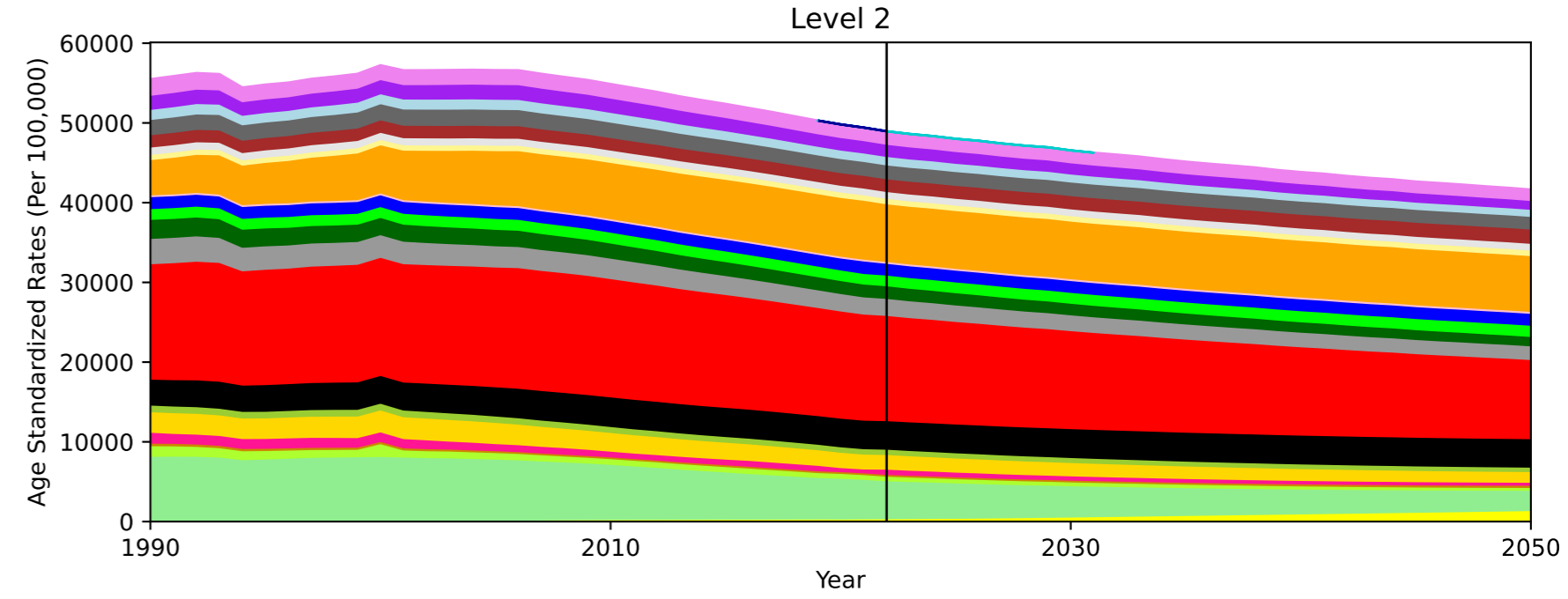
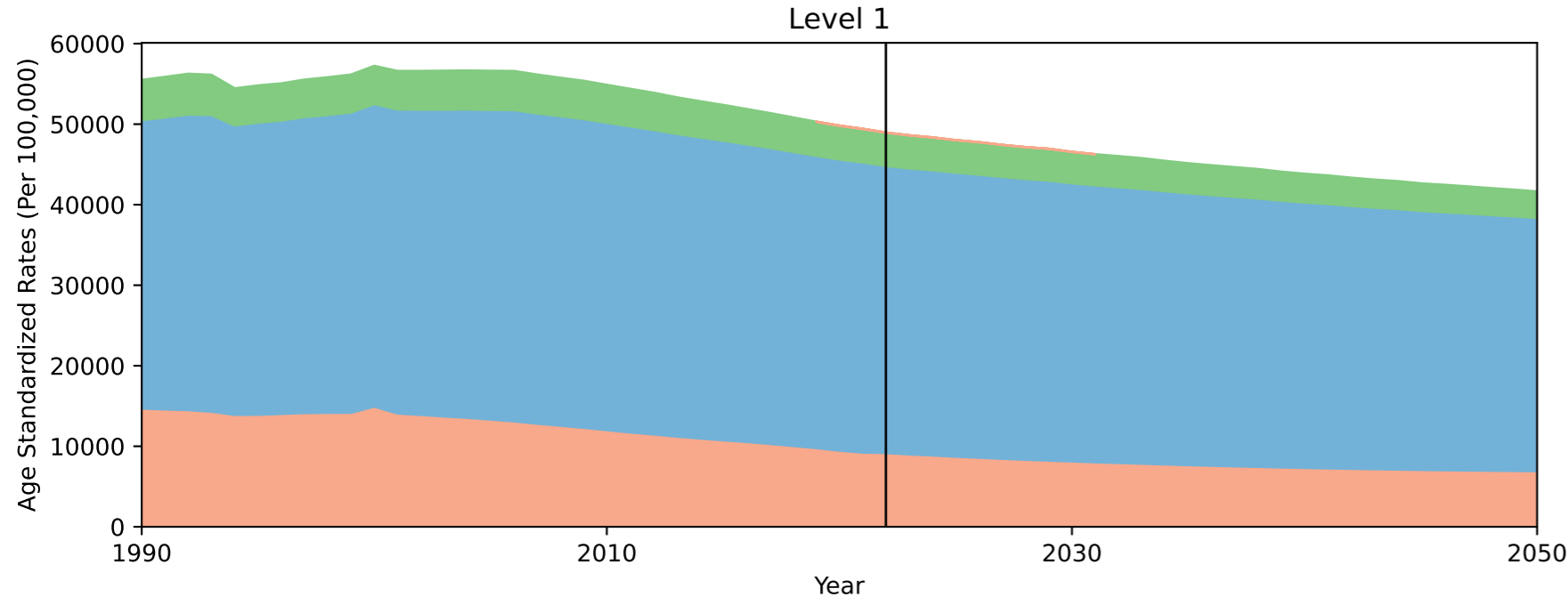
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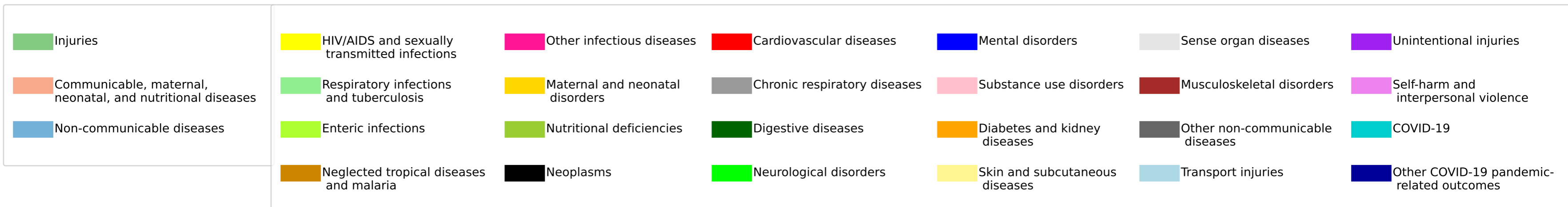
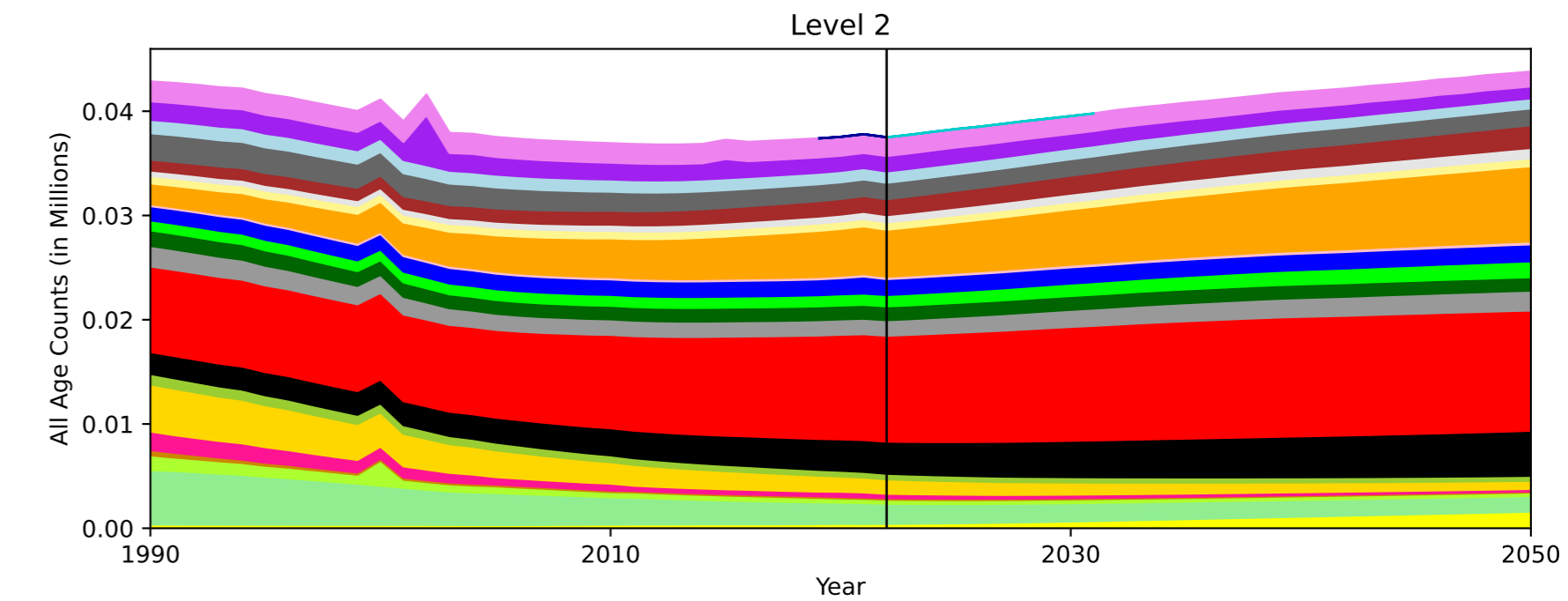
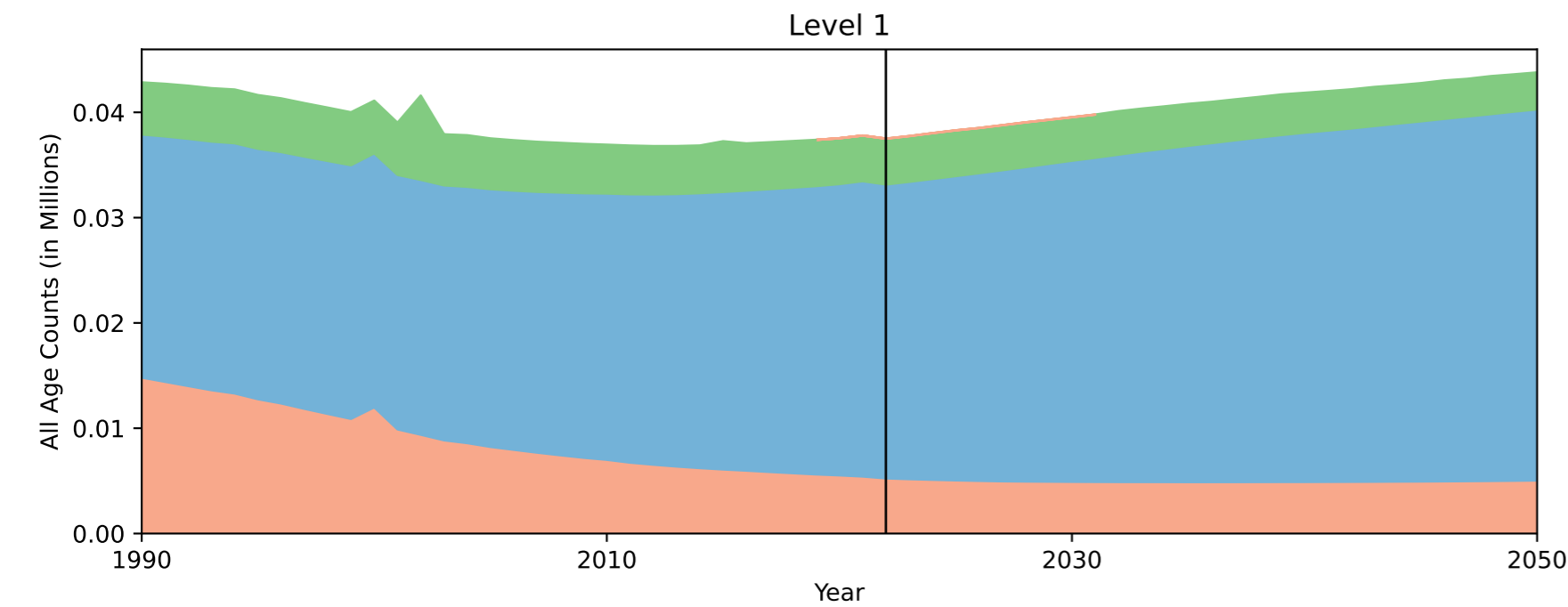
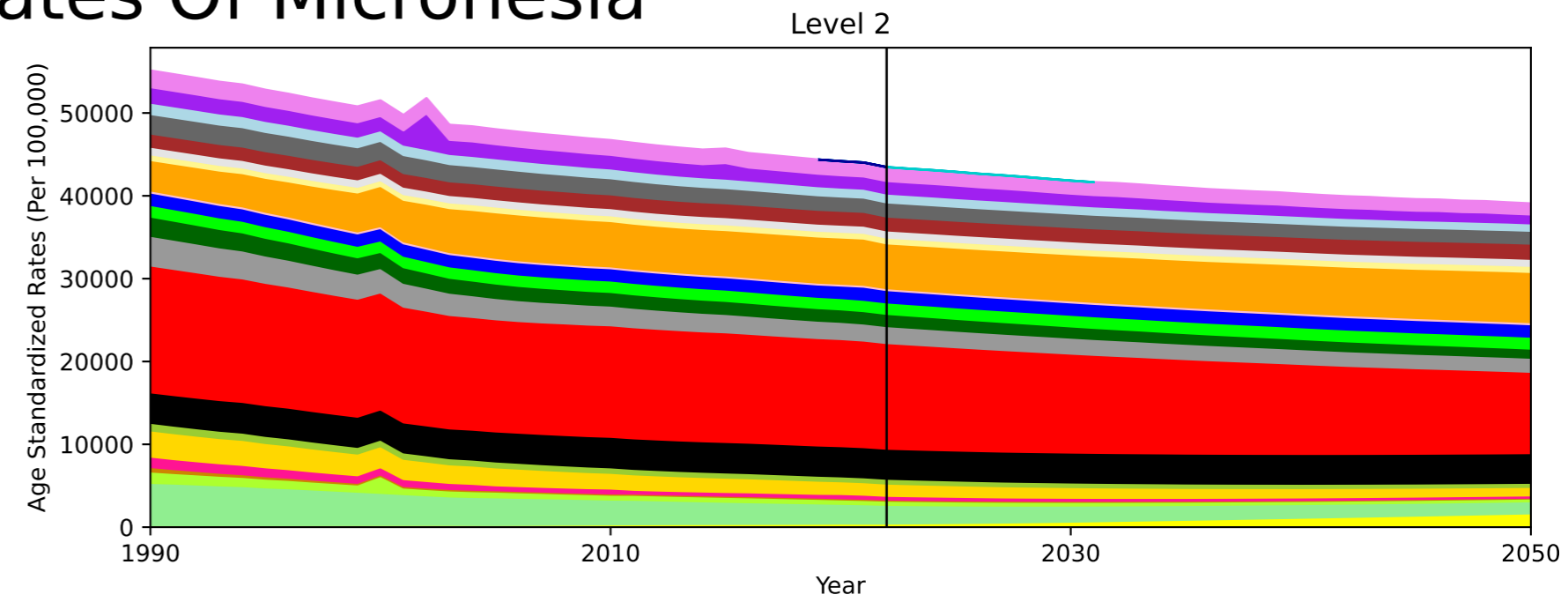
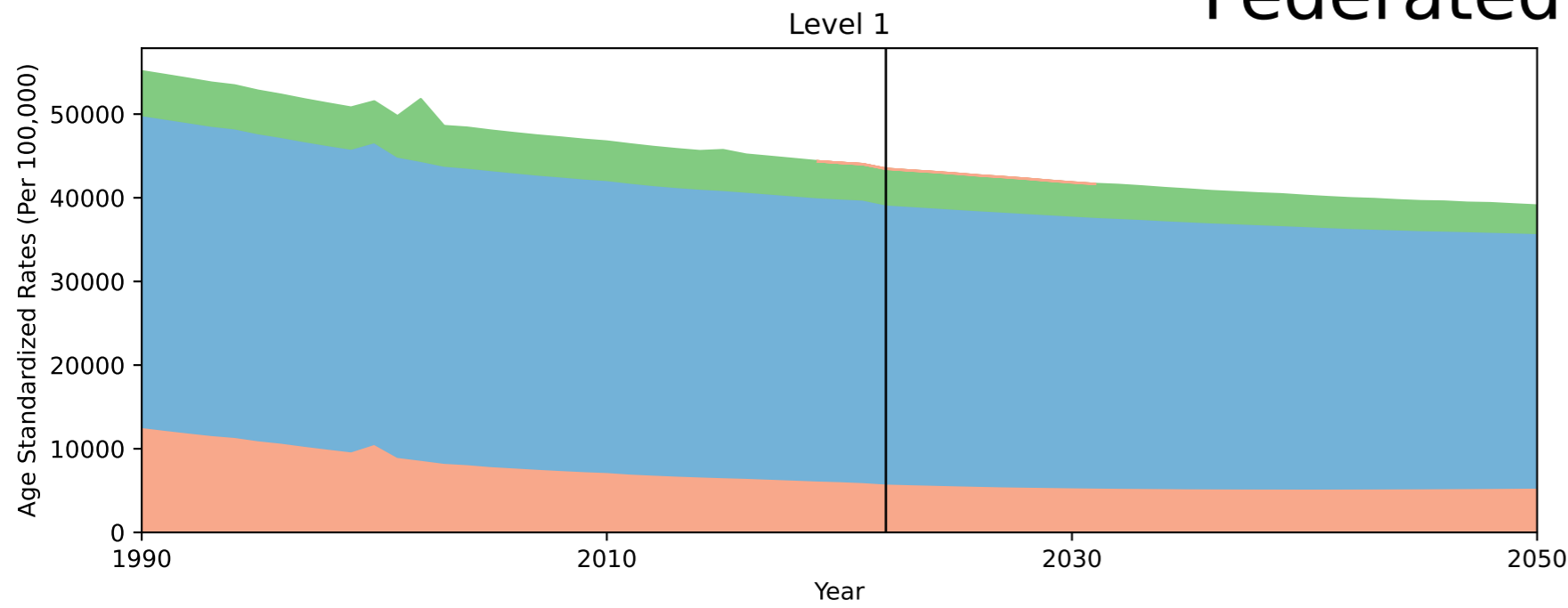




# Marshall Islands

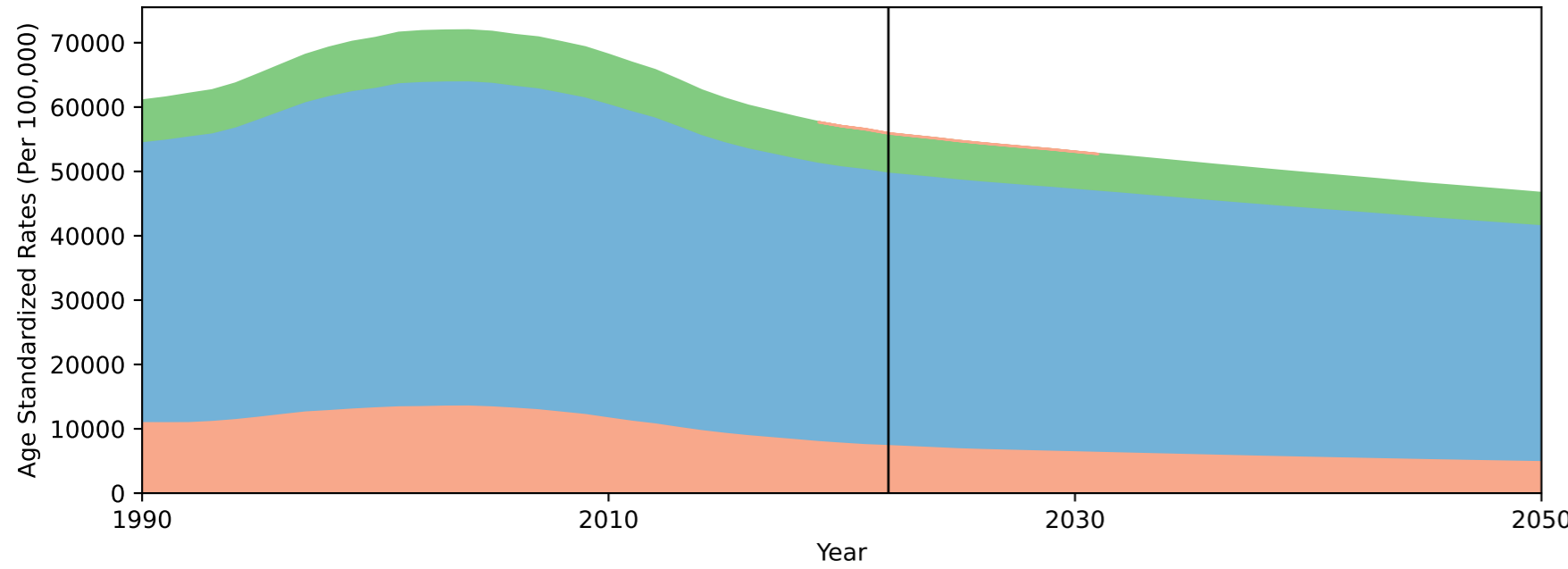


# Federated States Of Micronesia

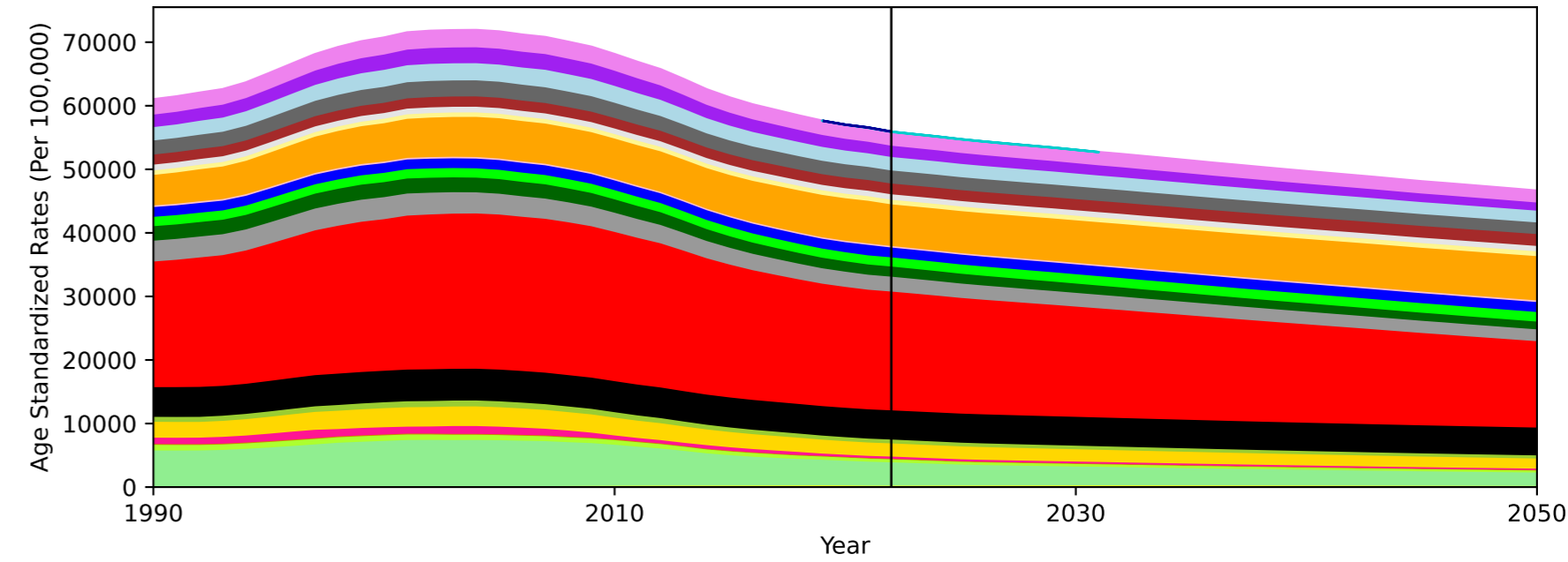


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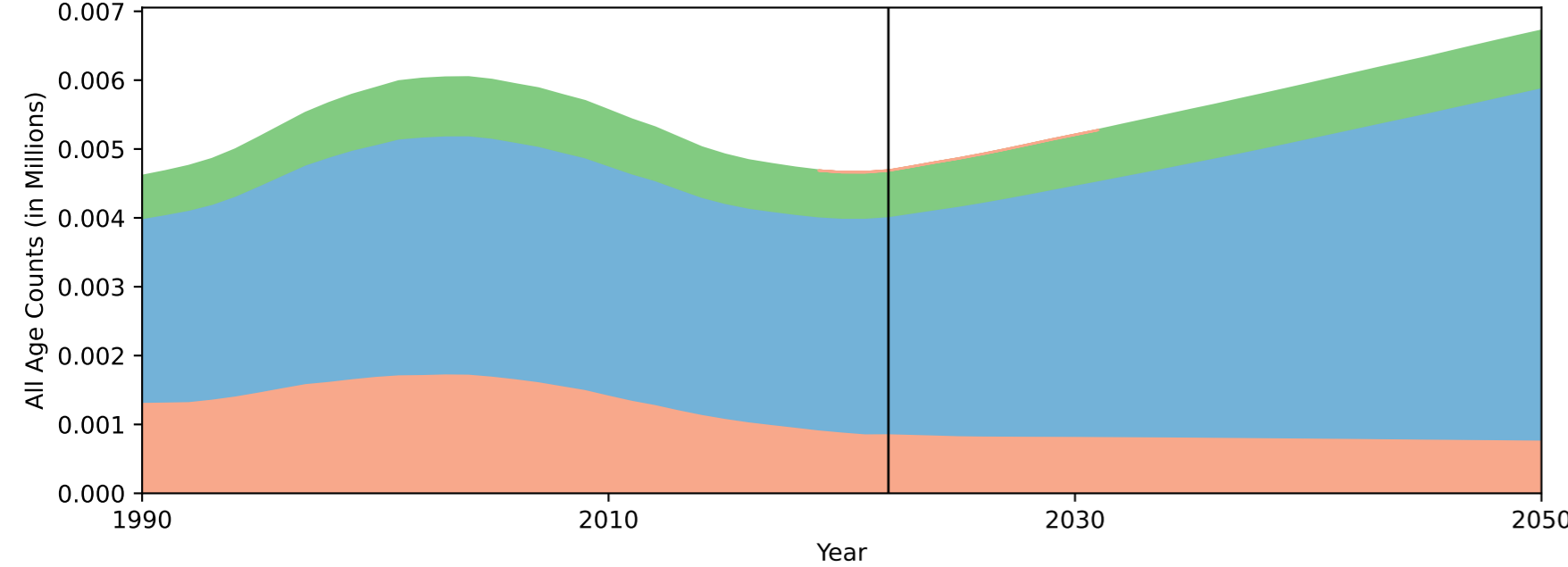
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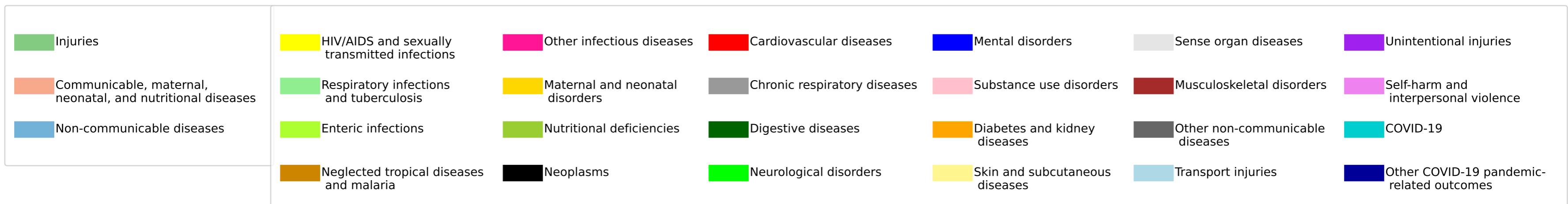
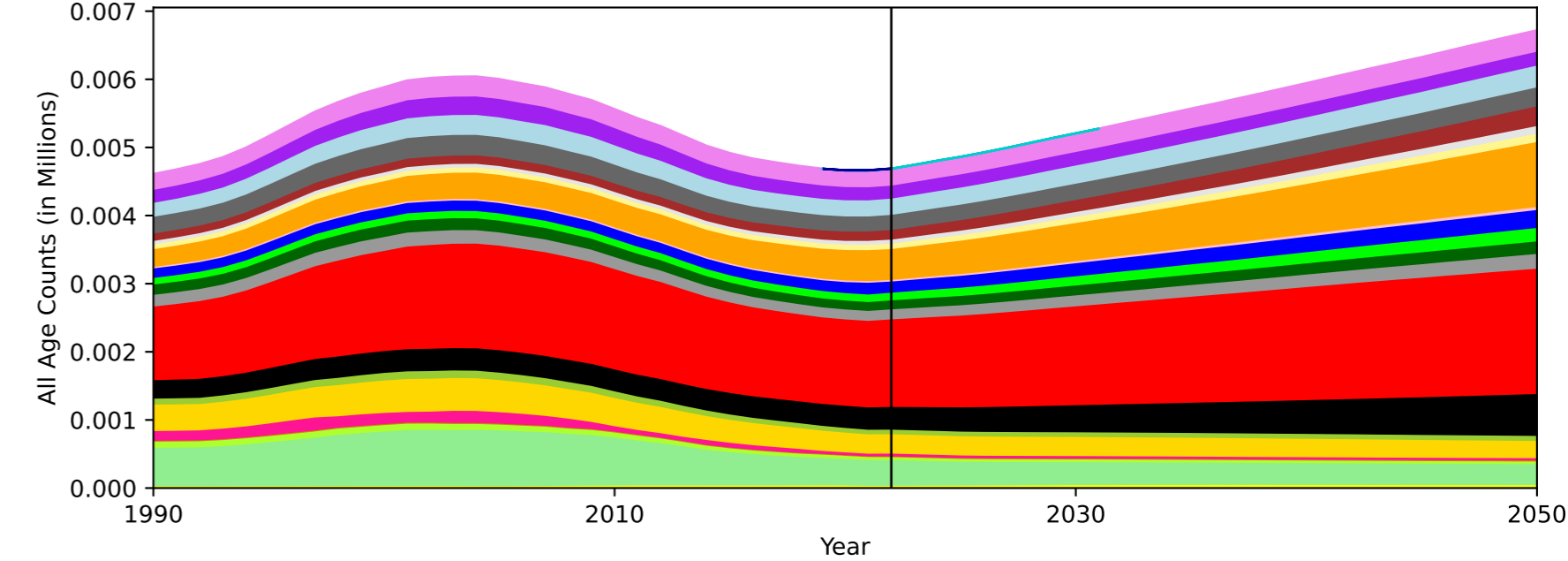
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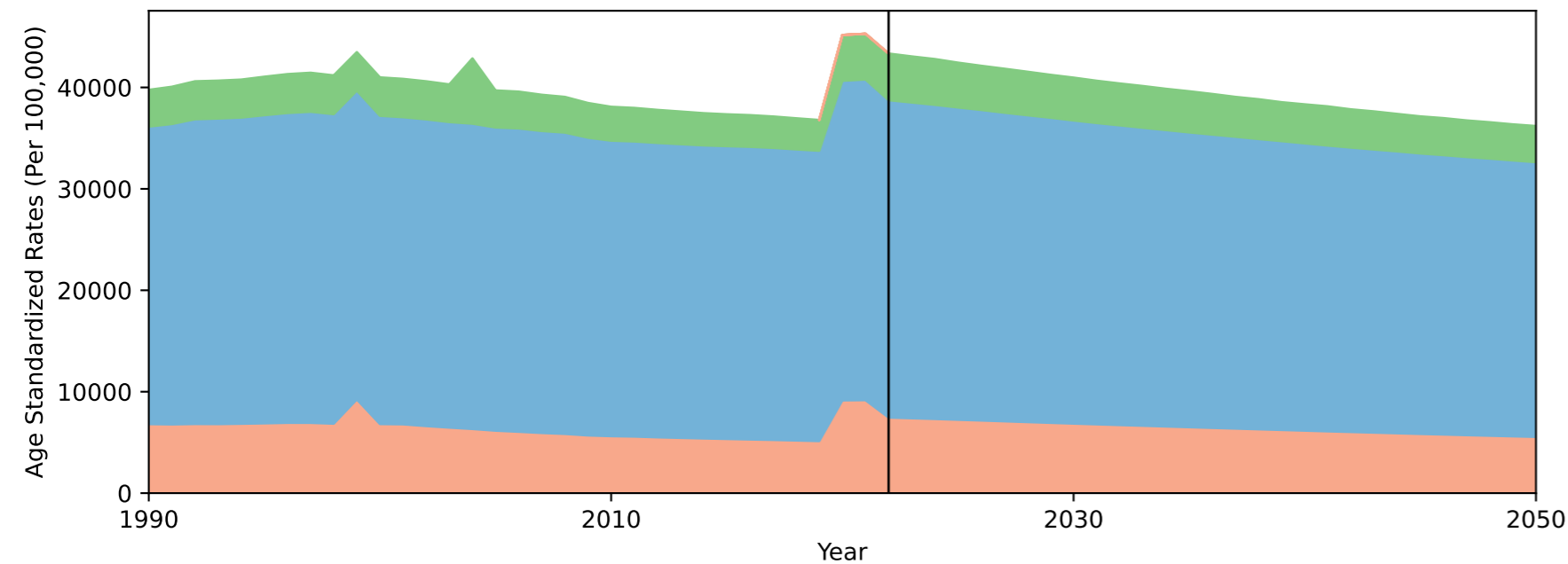


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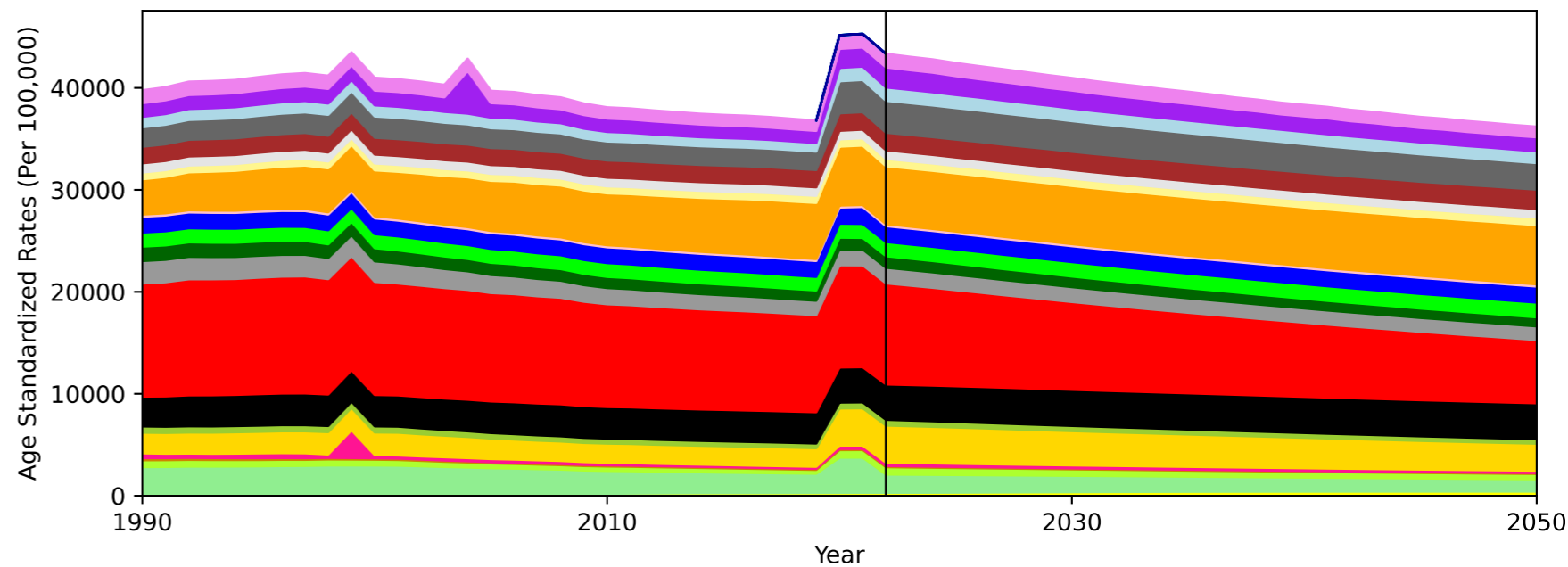


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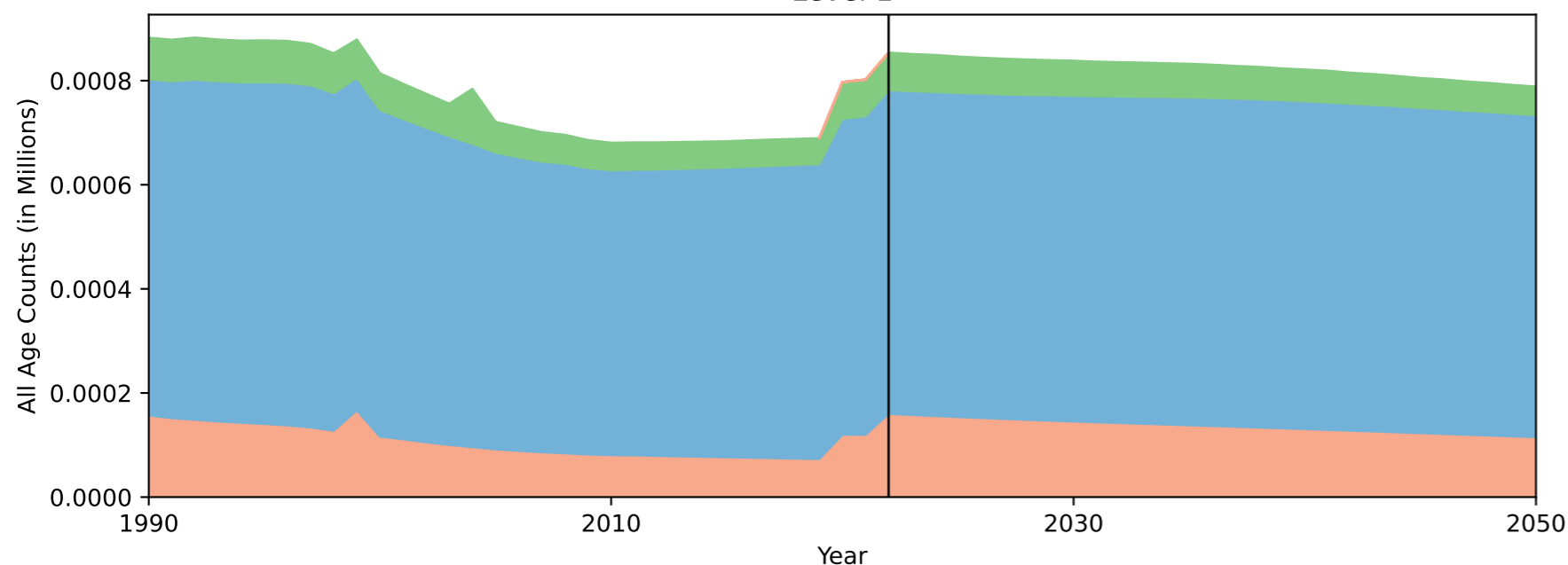
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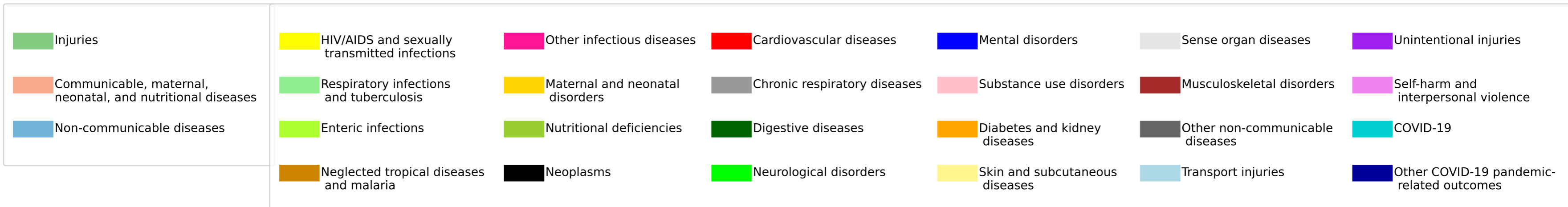
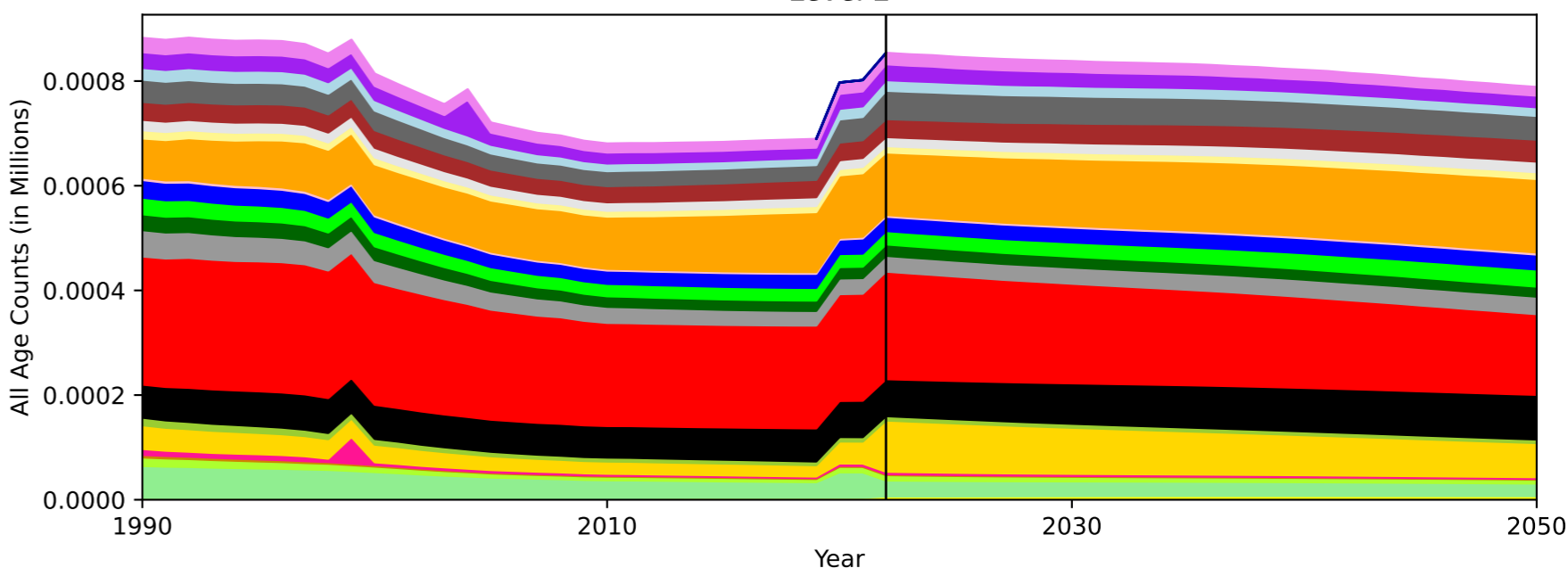
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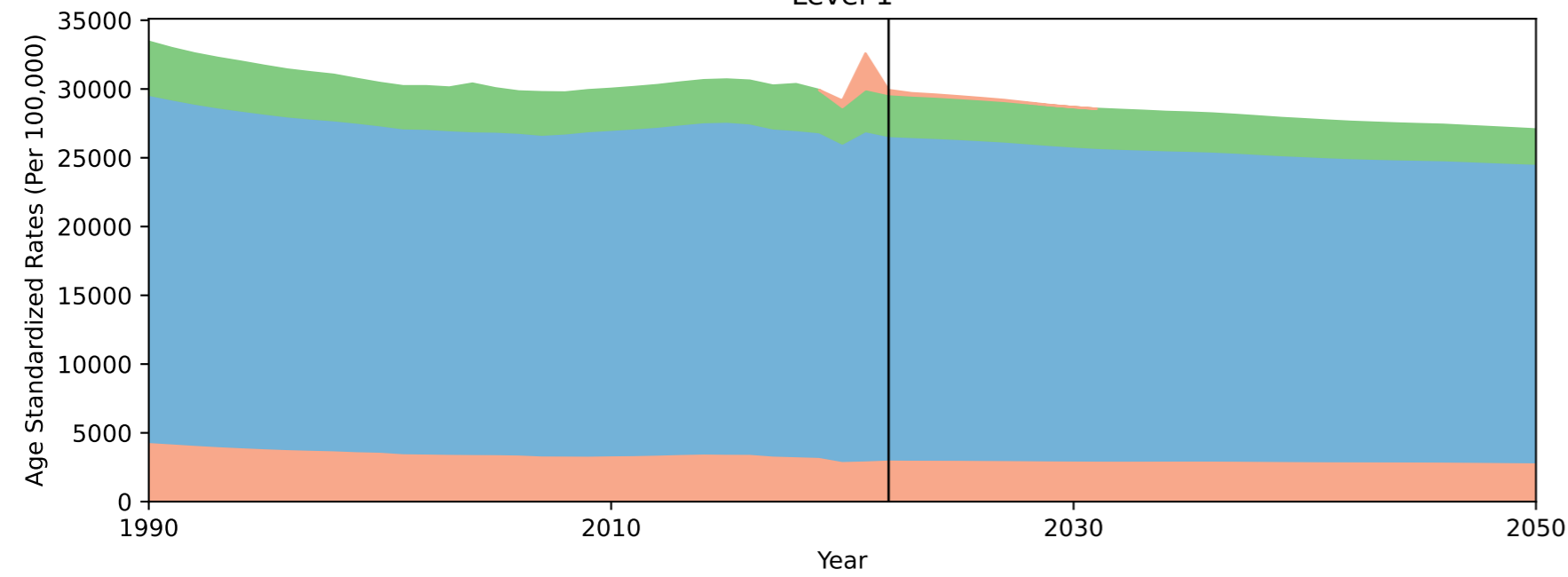


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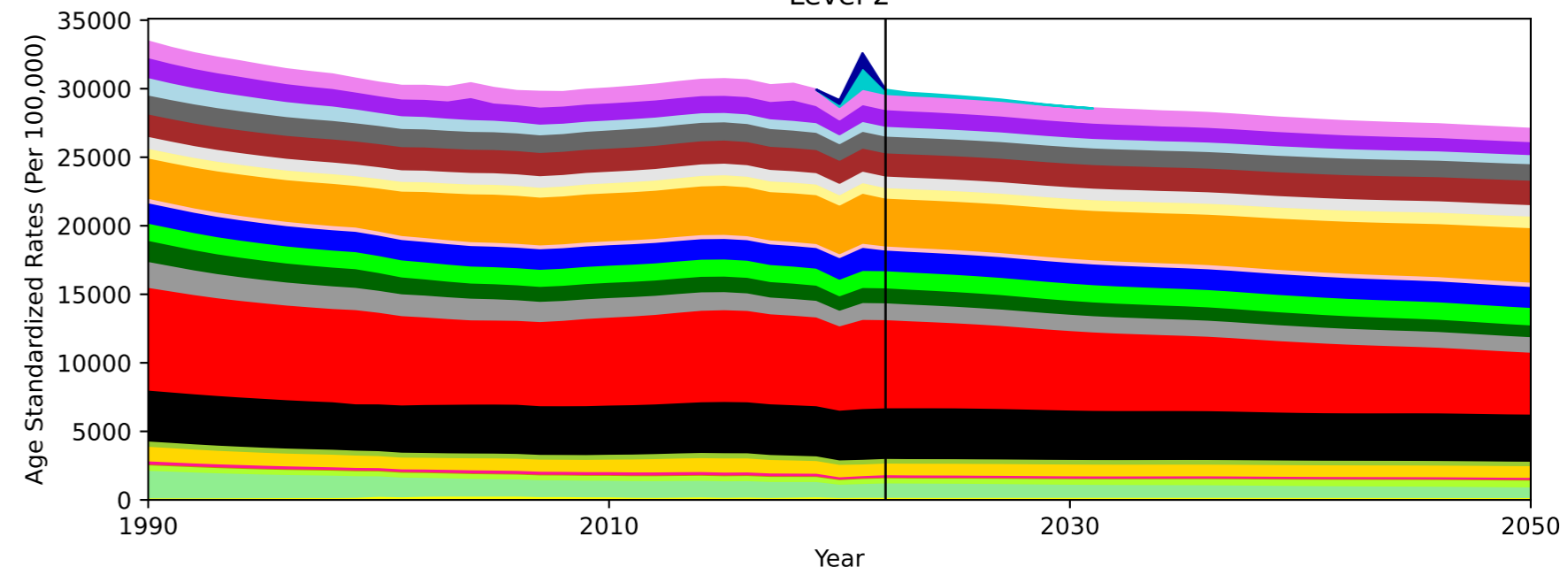


# Northern Mariana Islands

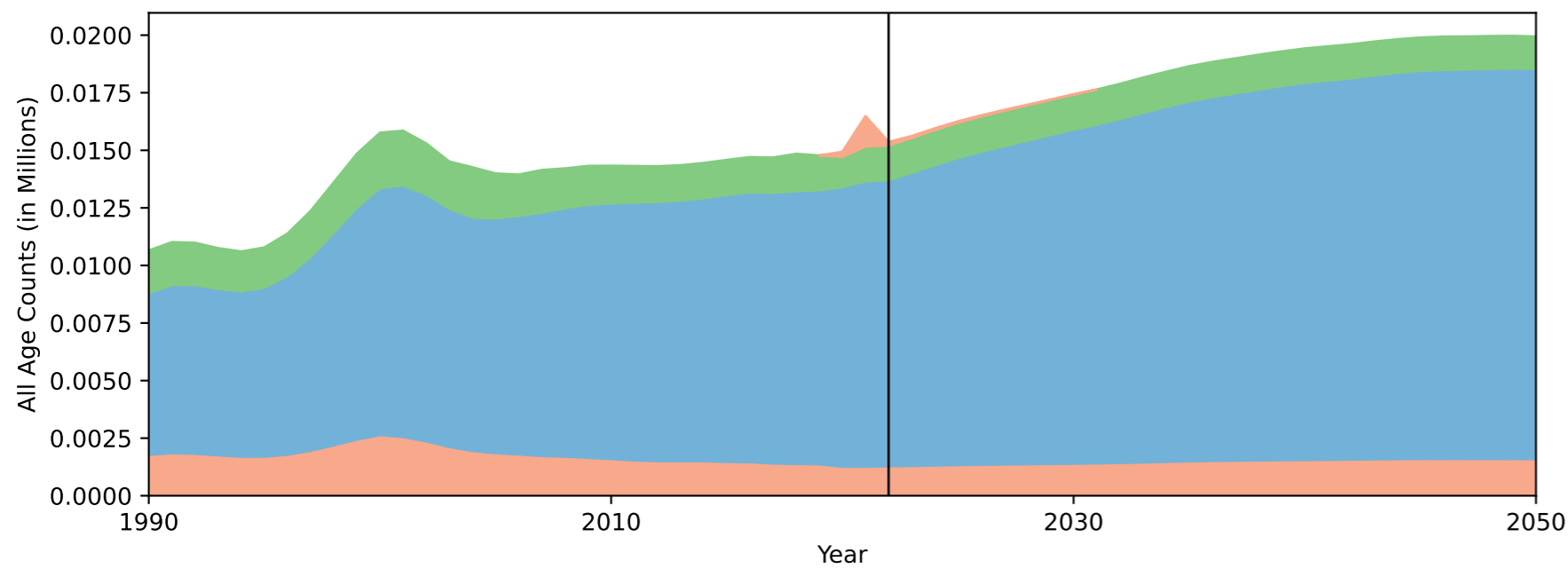
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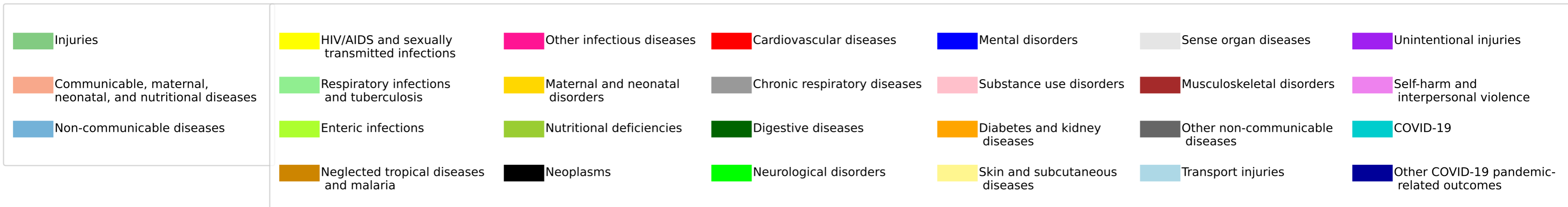
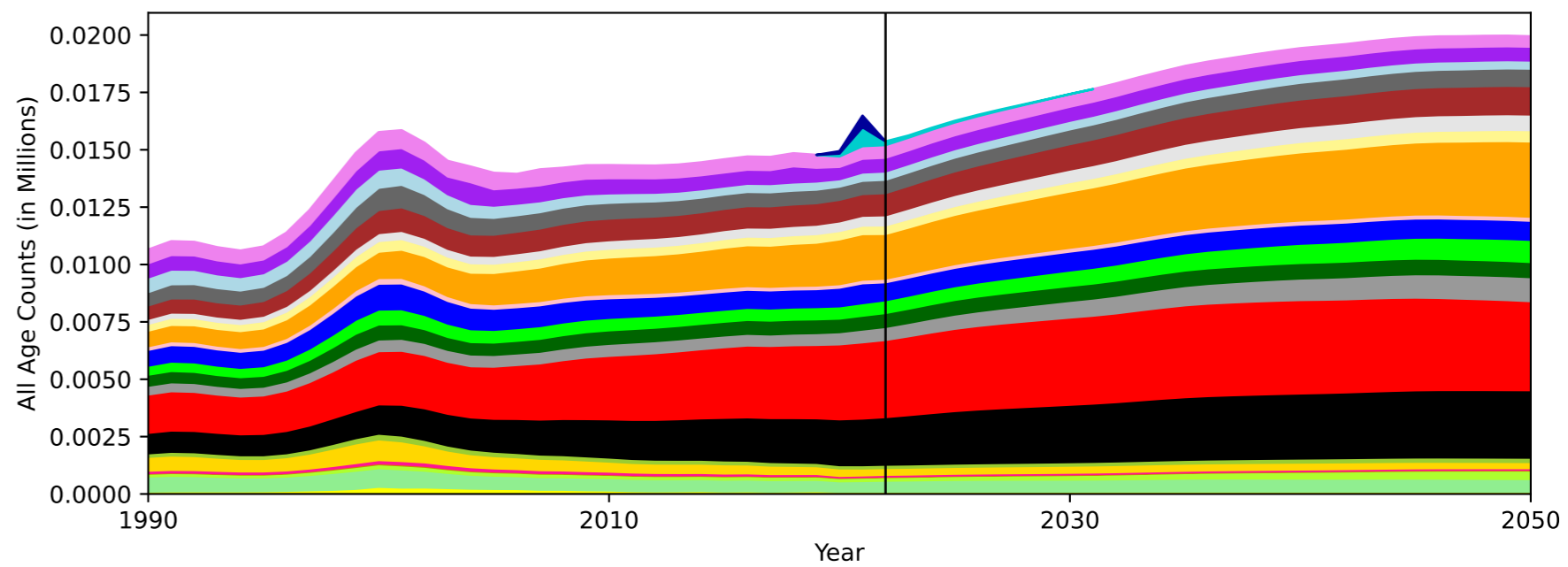
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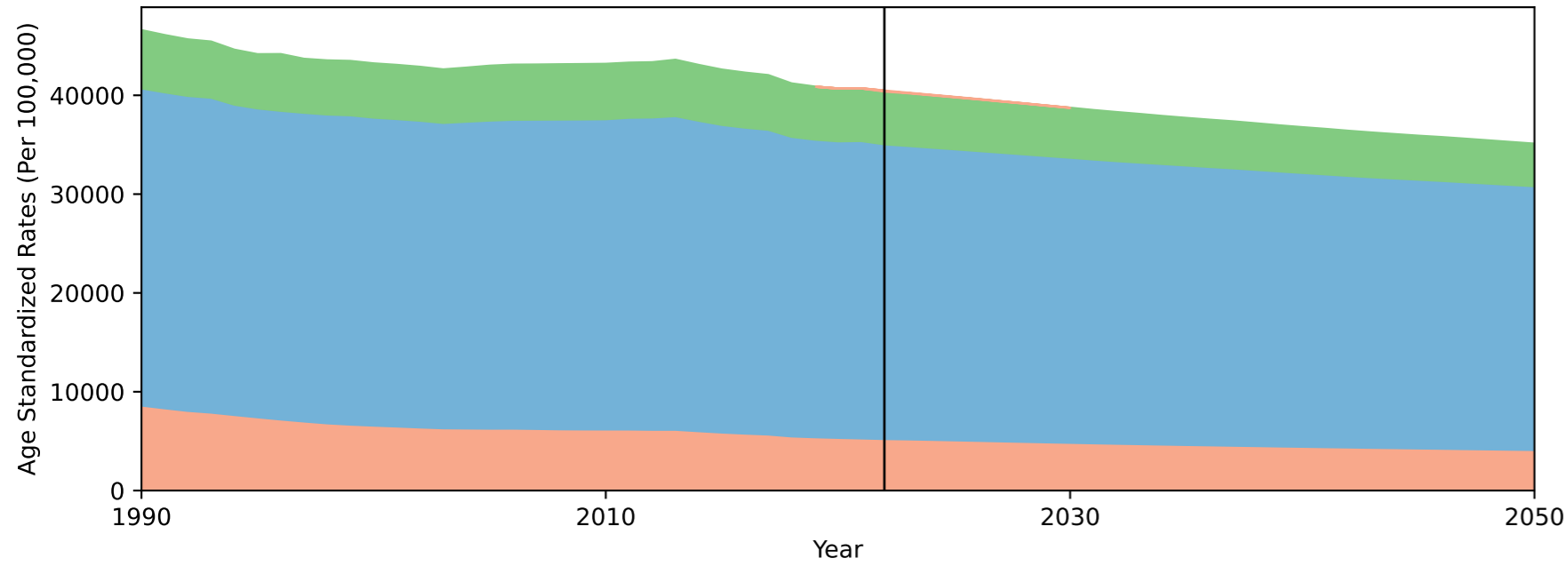


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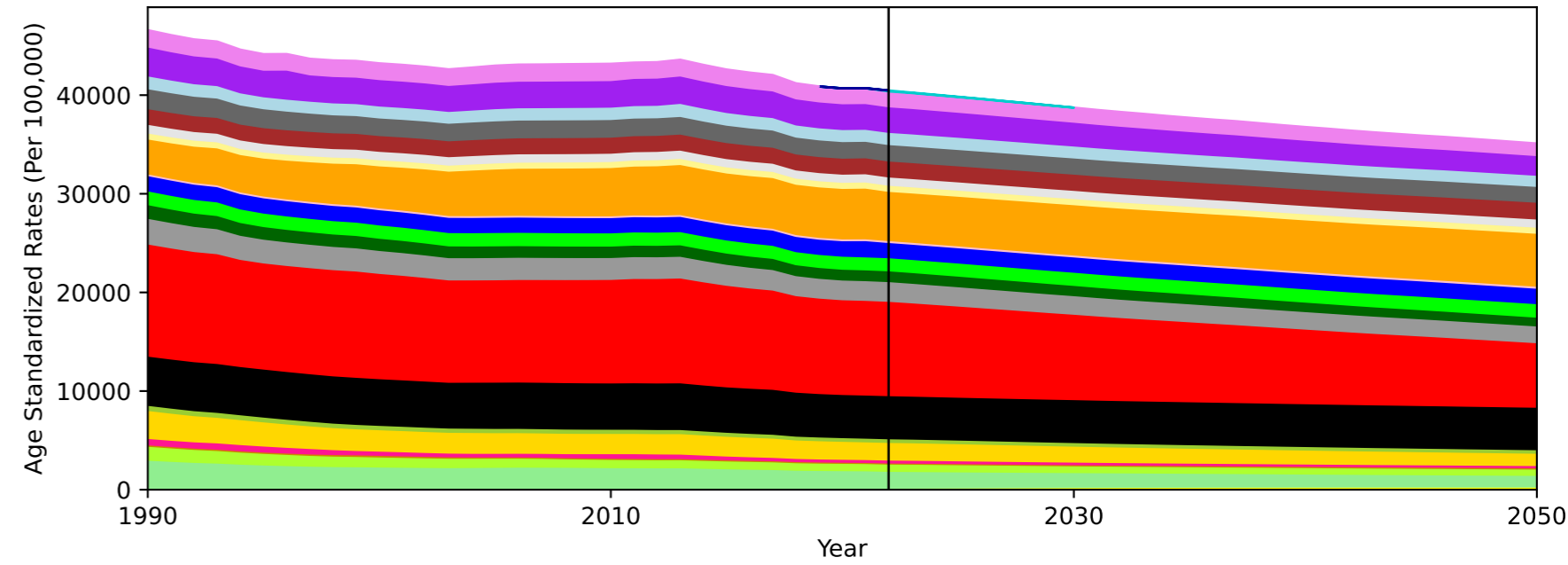


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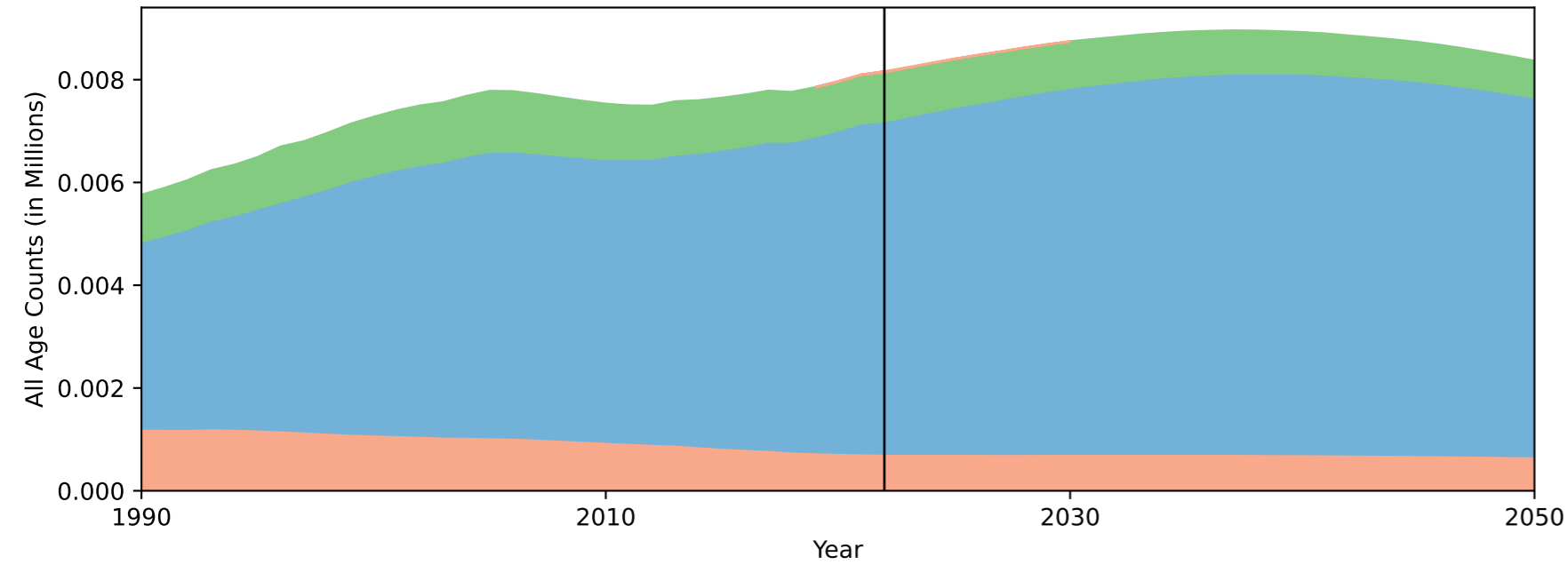
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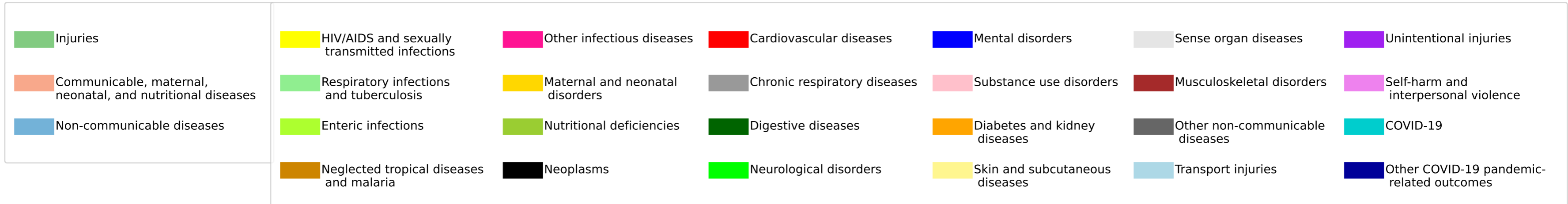
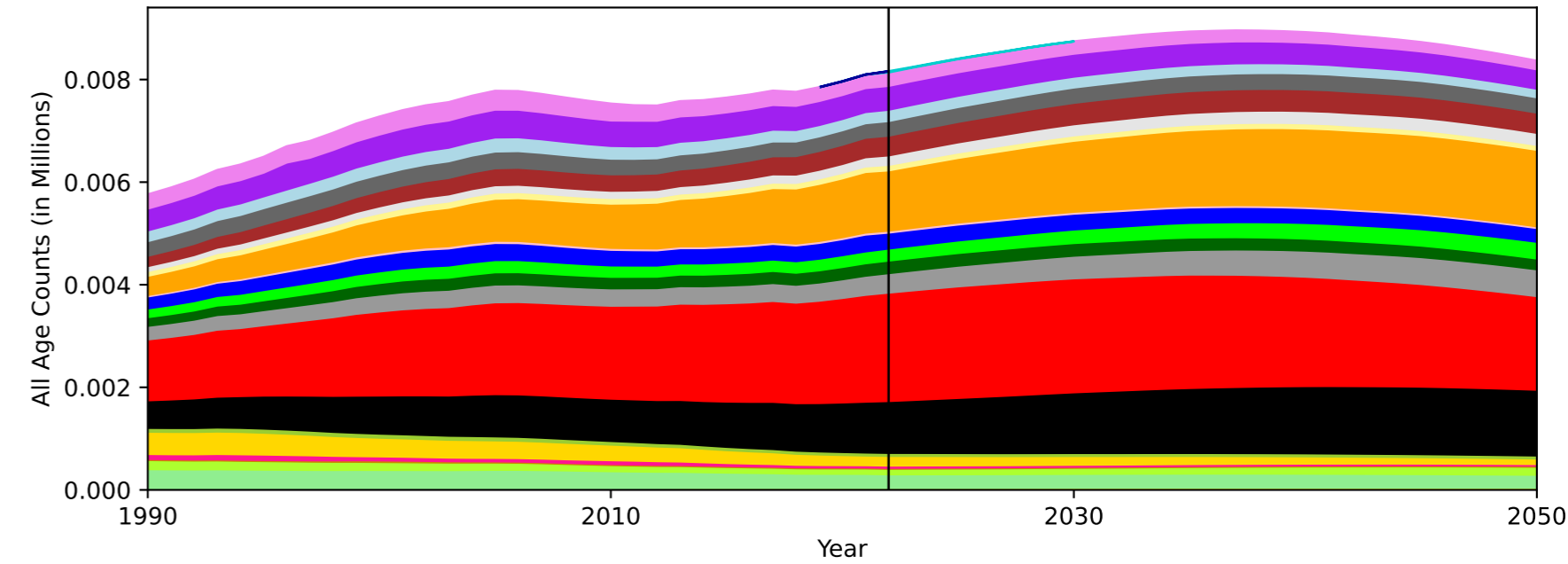
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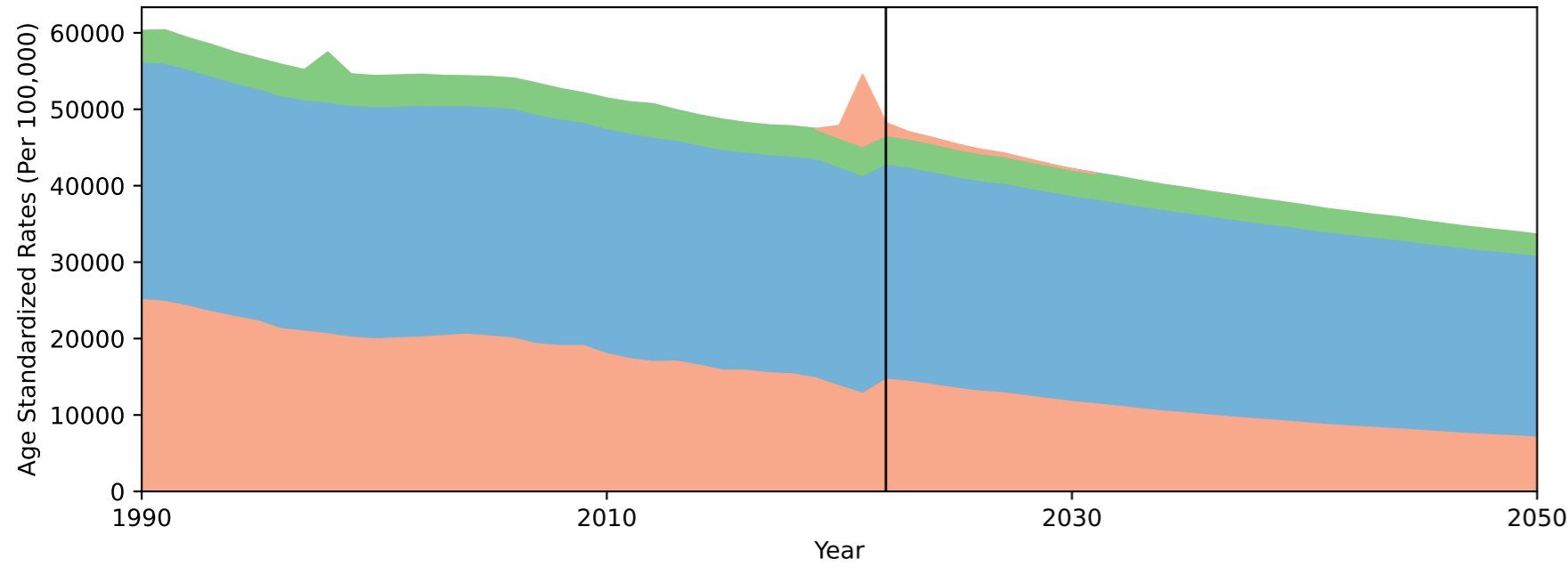


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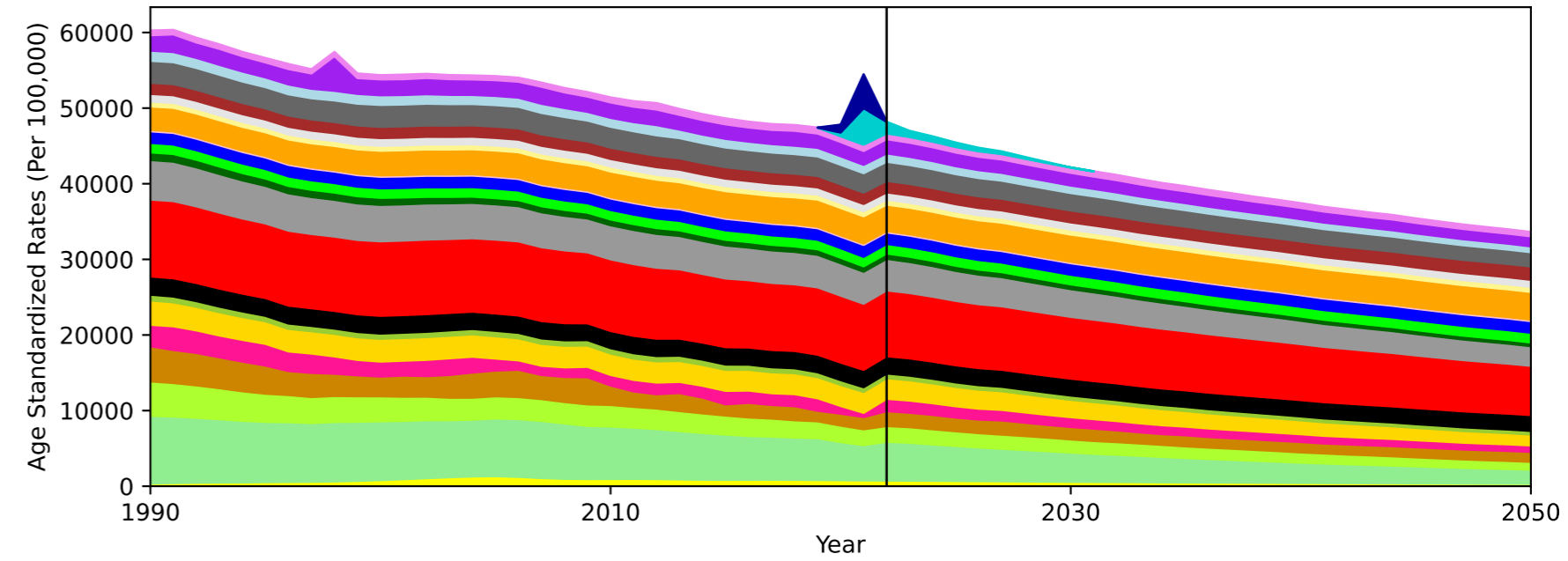


# Papua New Guinea

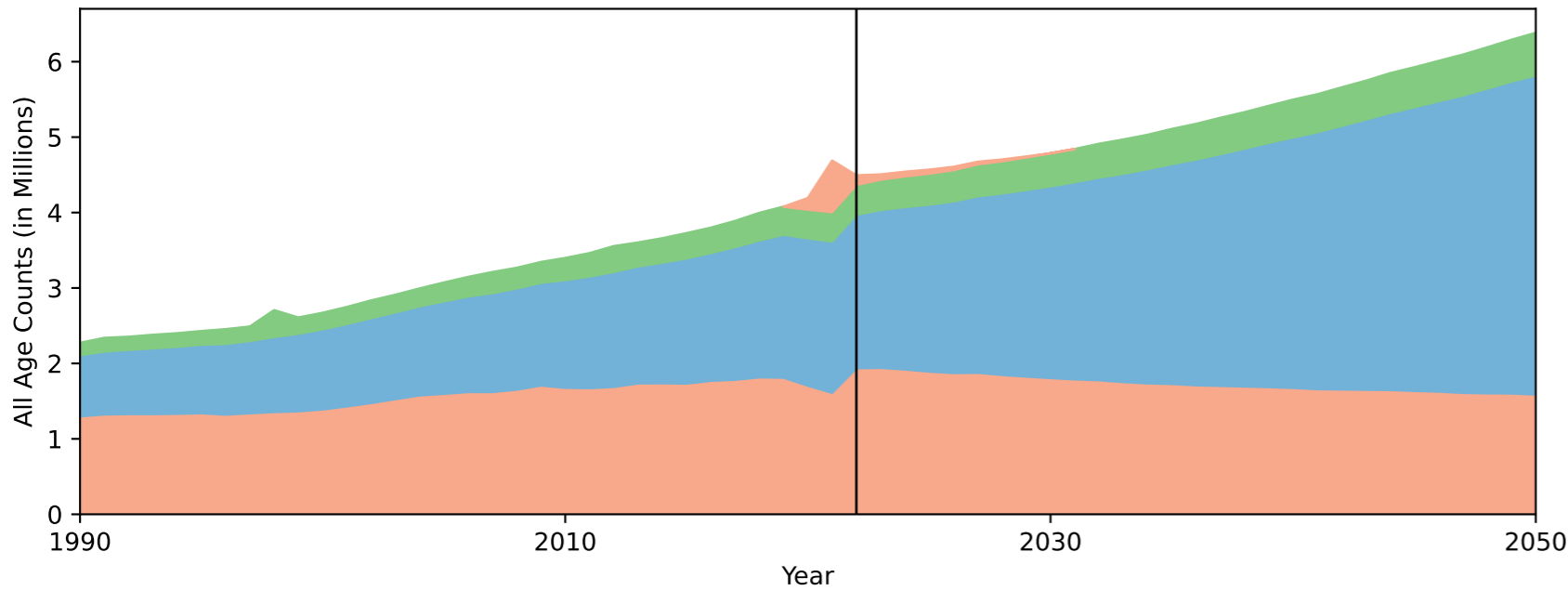
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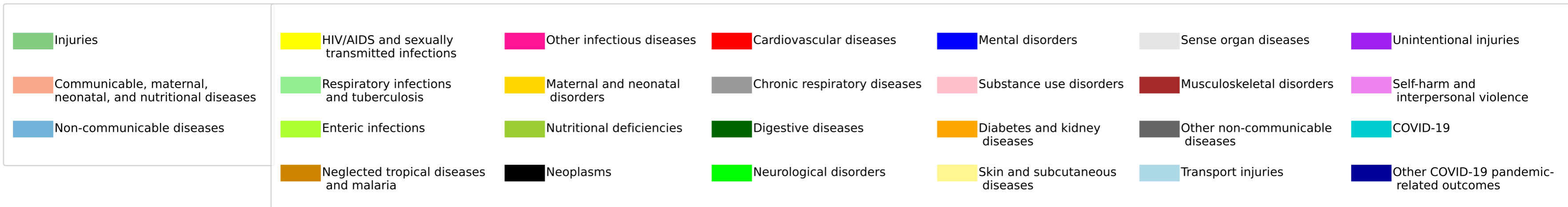
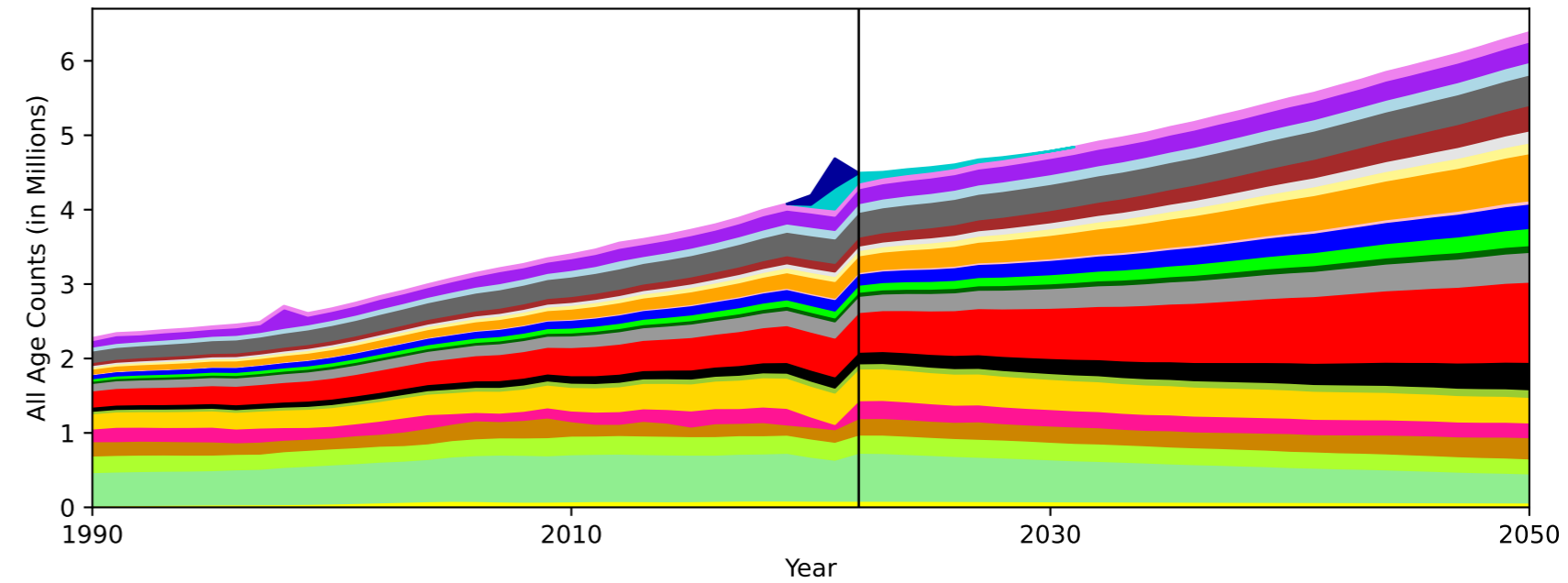
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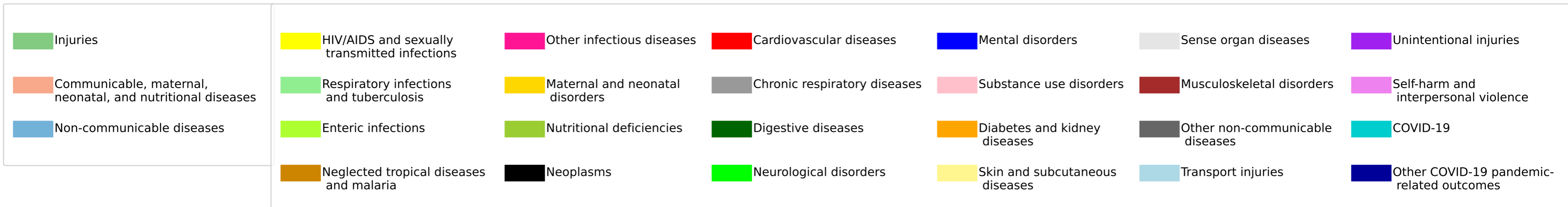
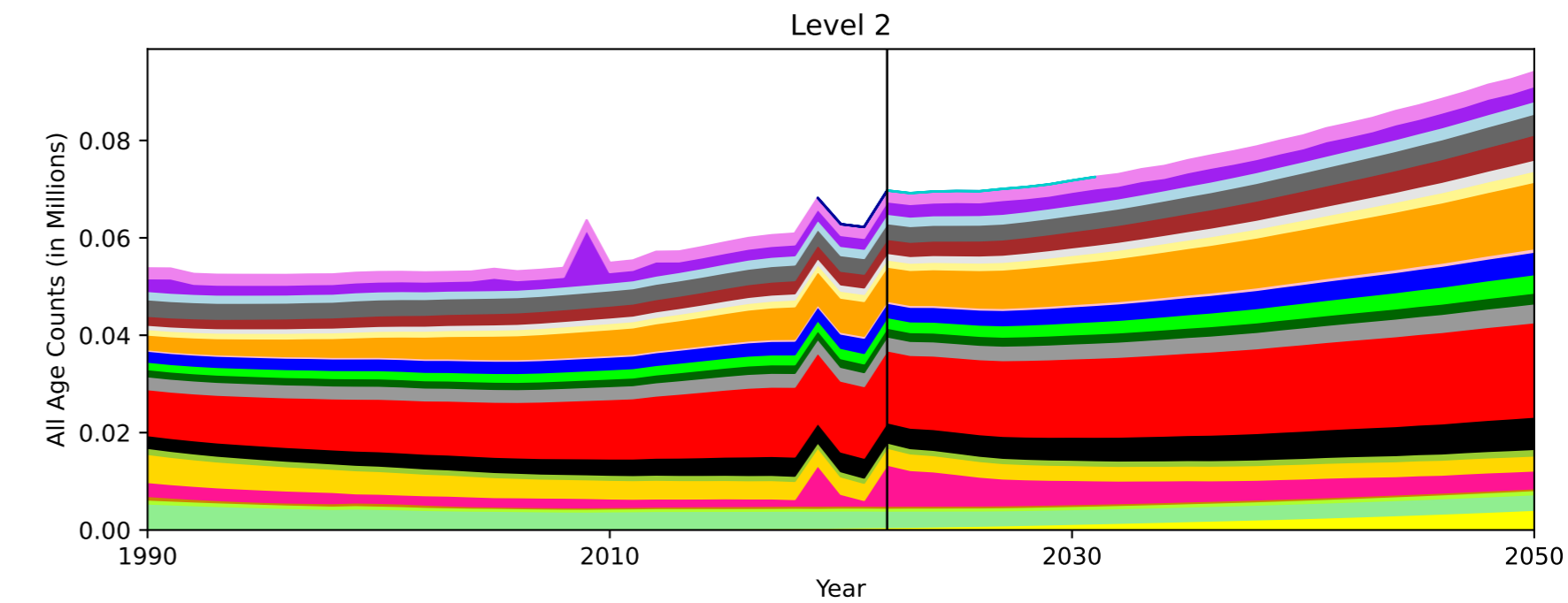
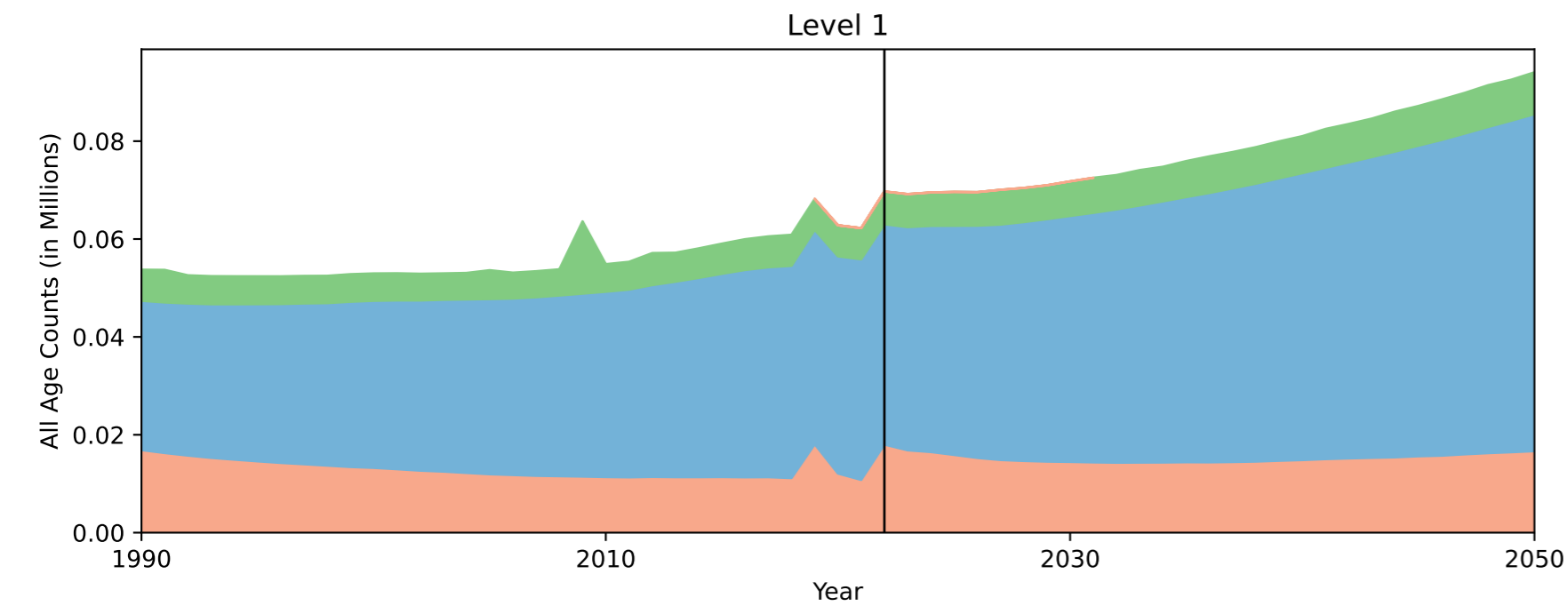
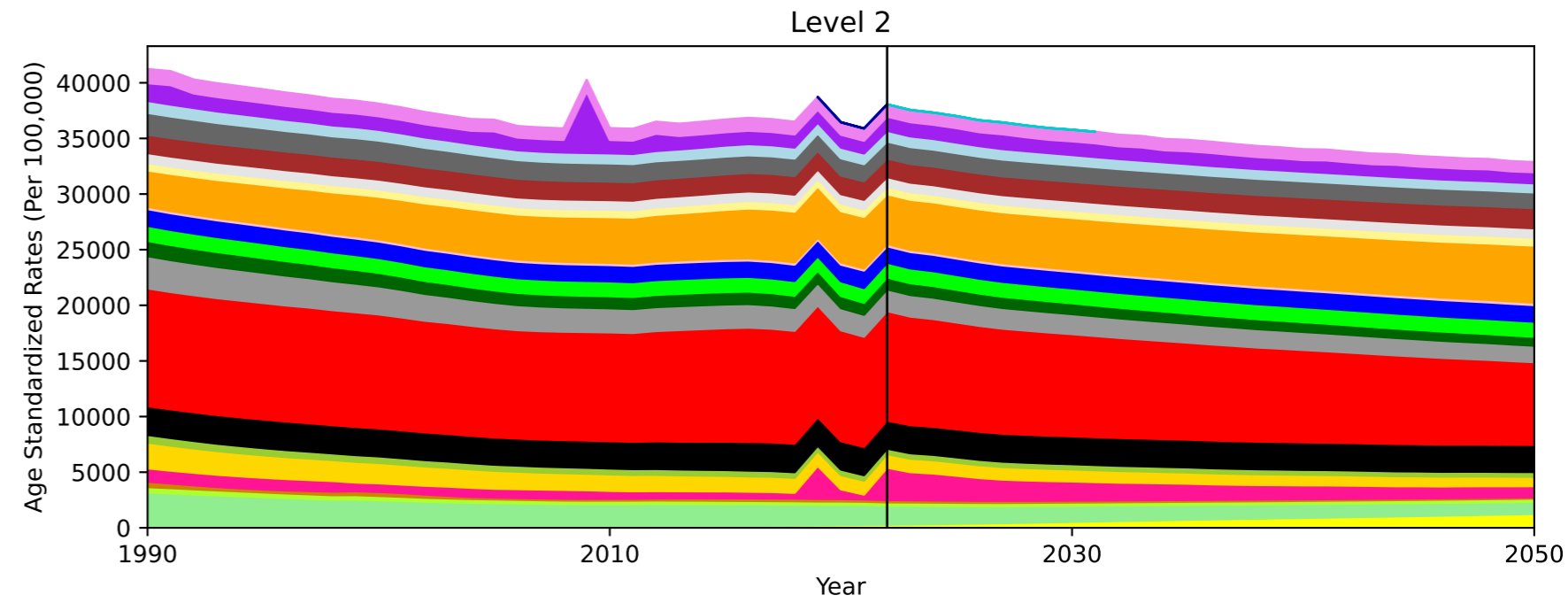
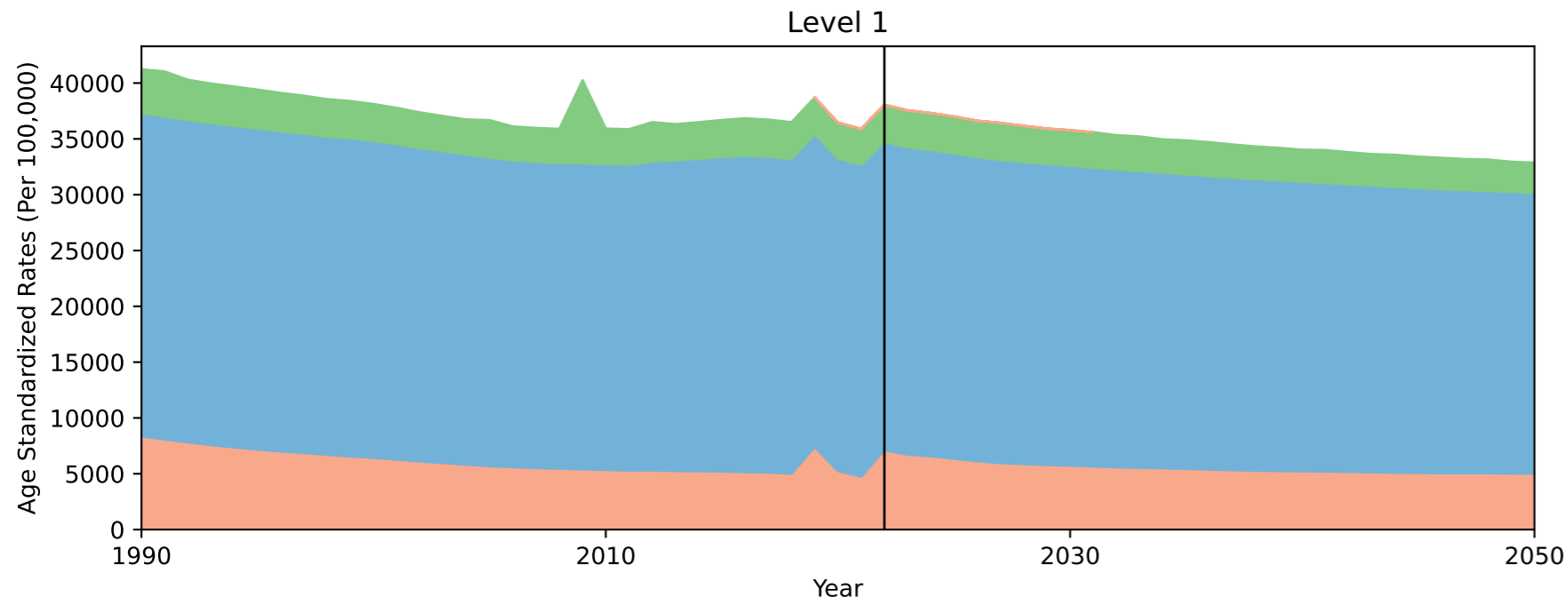


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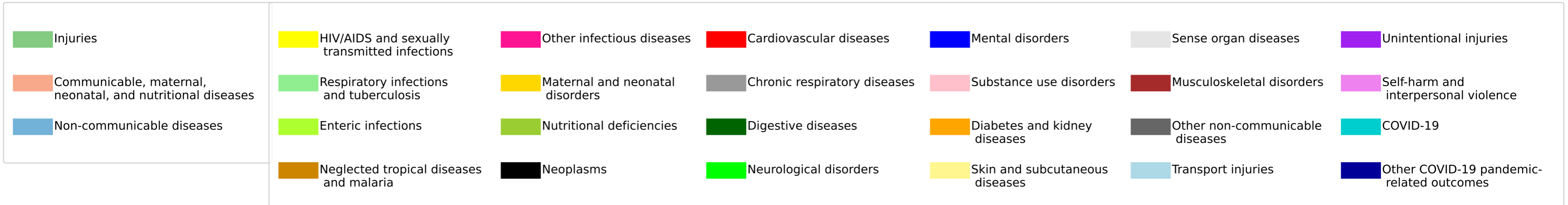
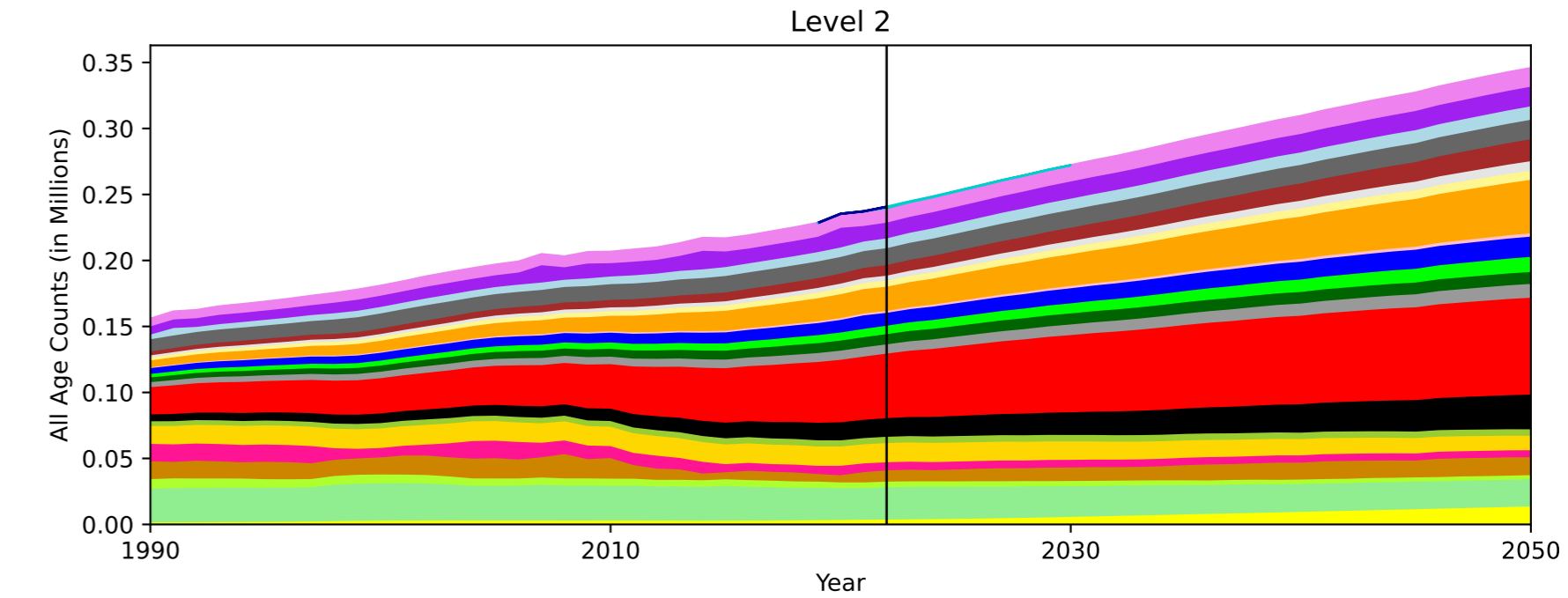
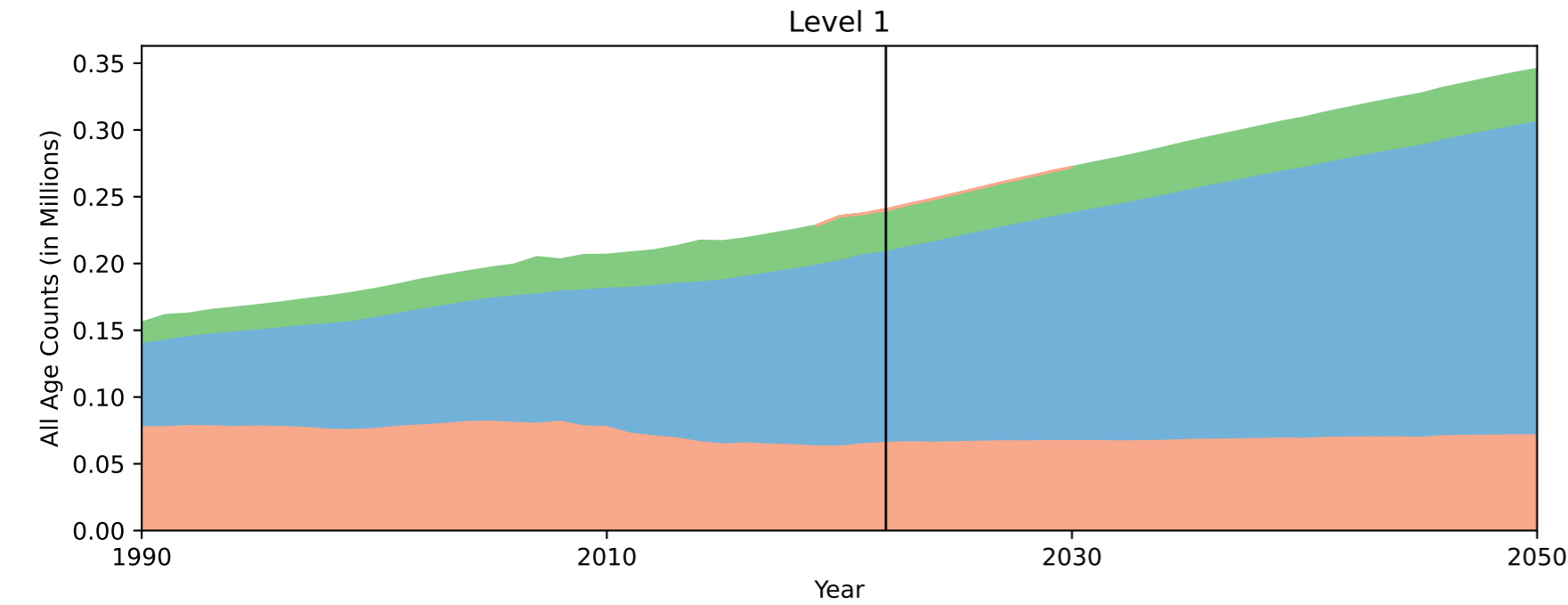
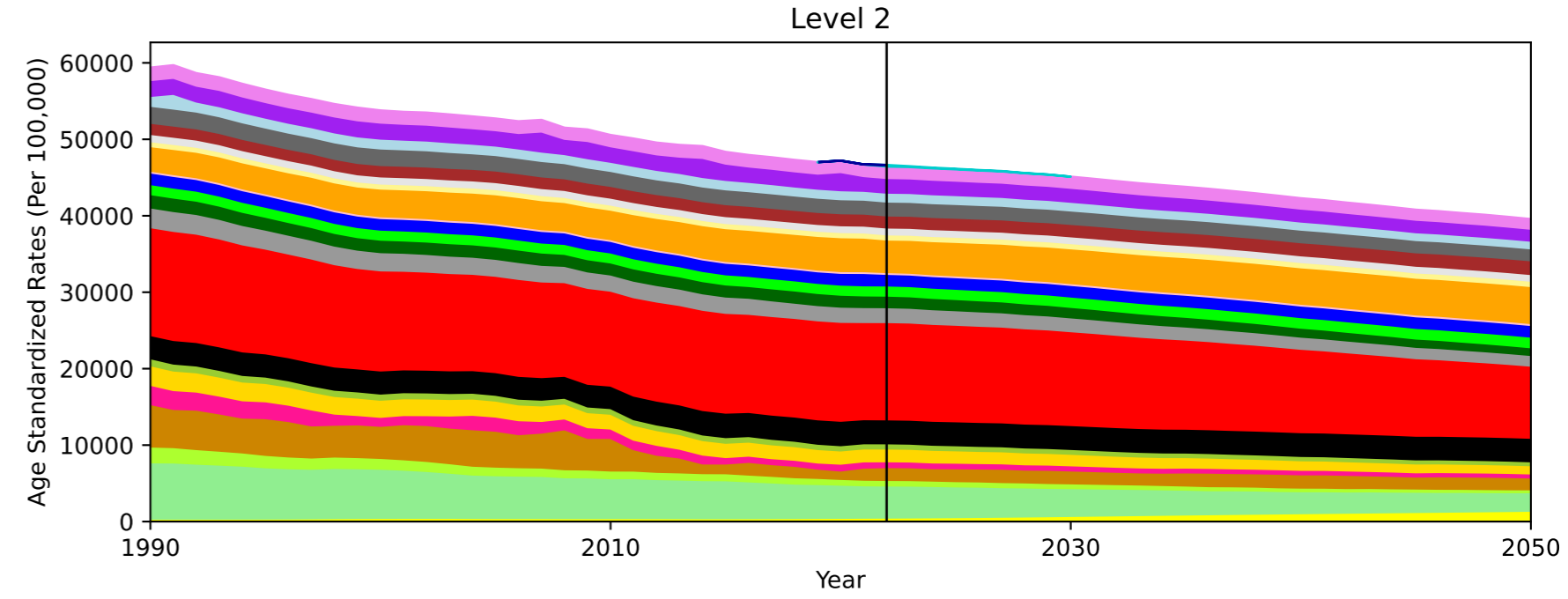
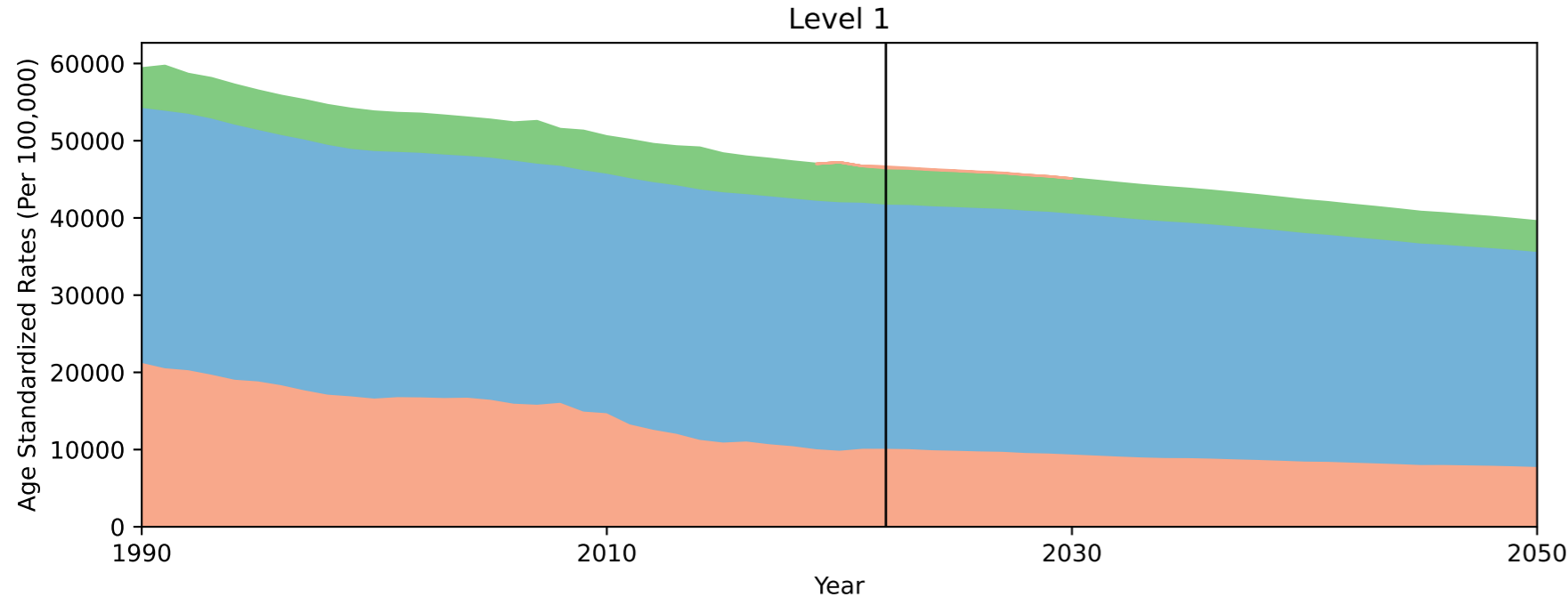




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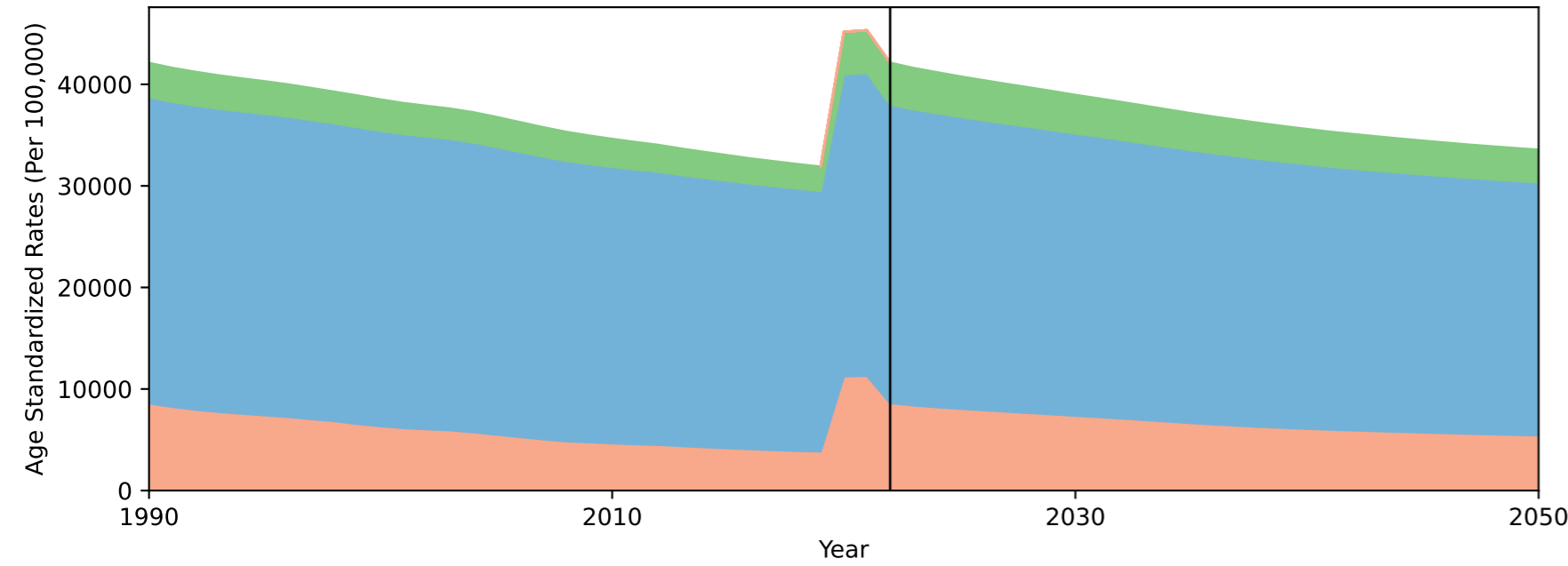


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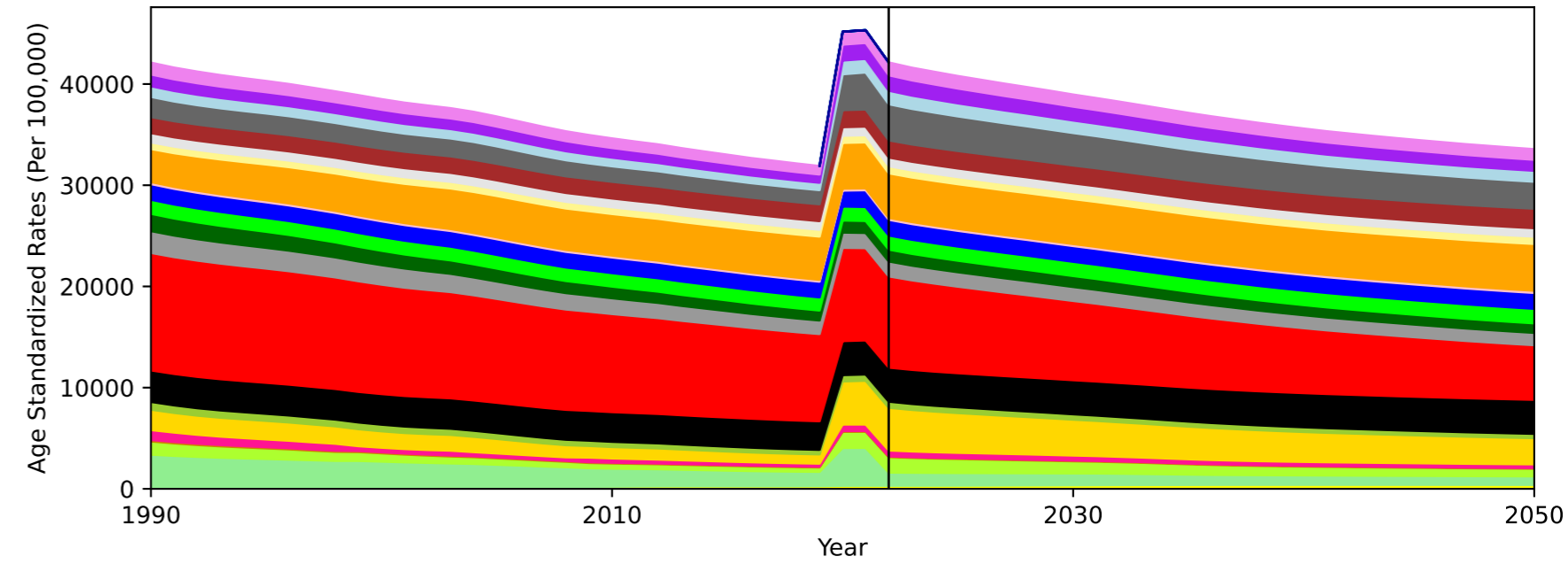


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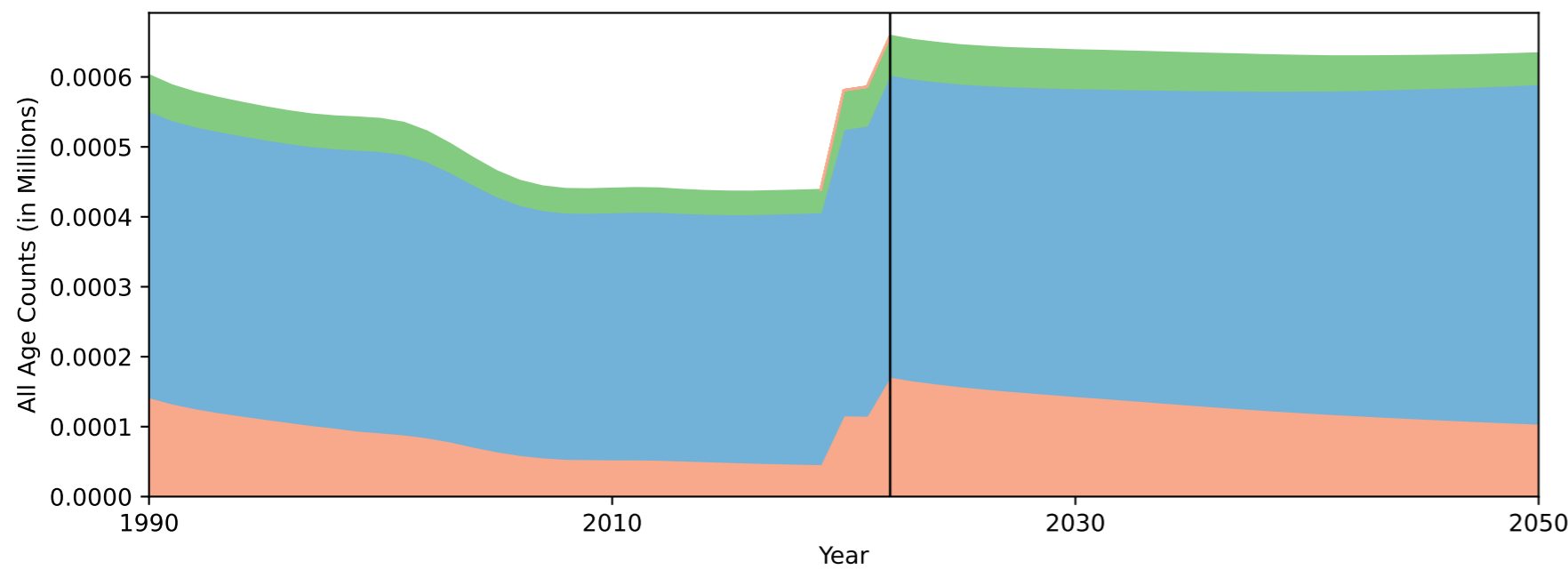
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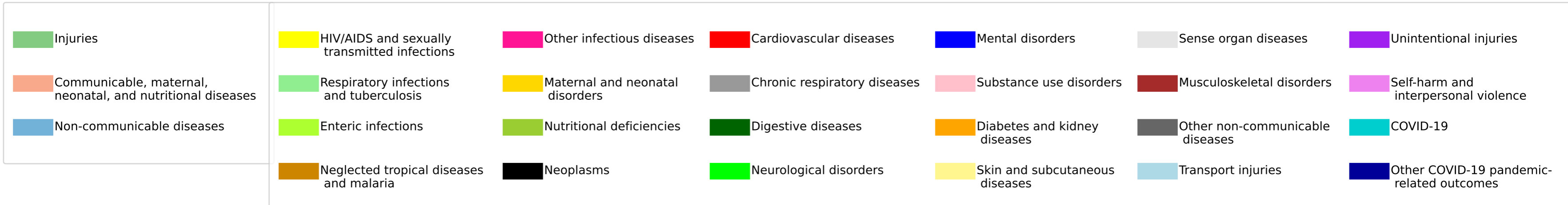
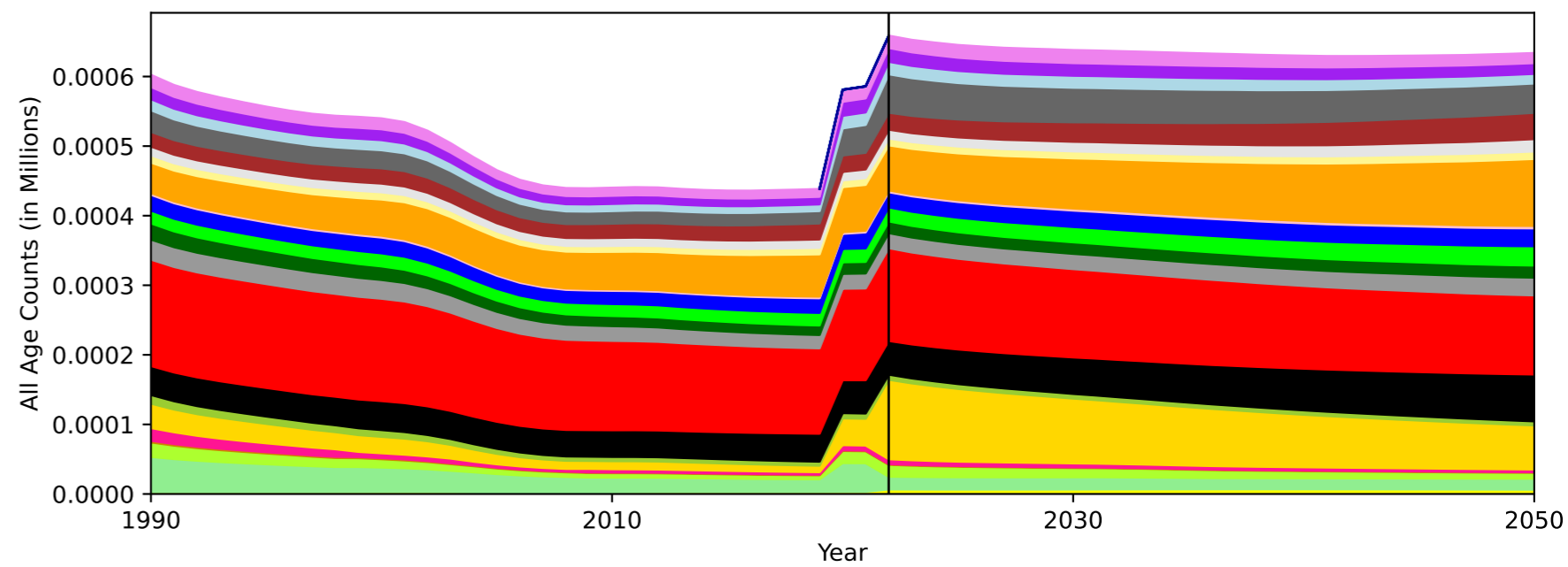
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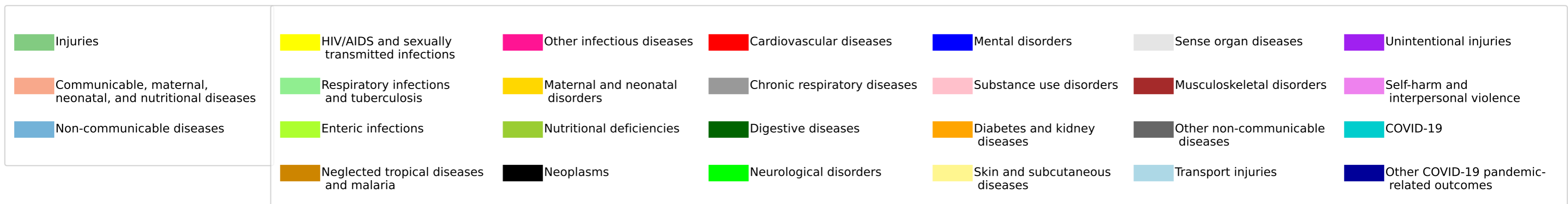
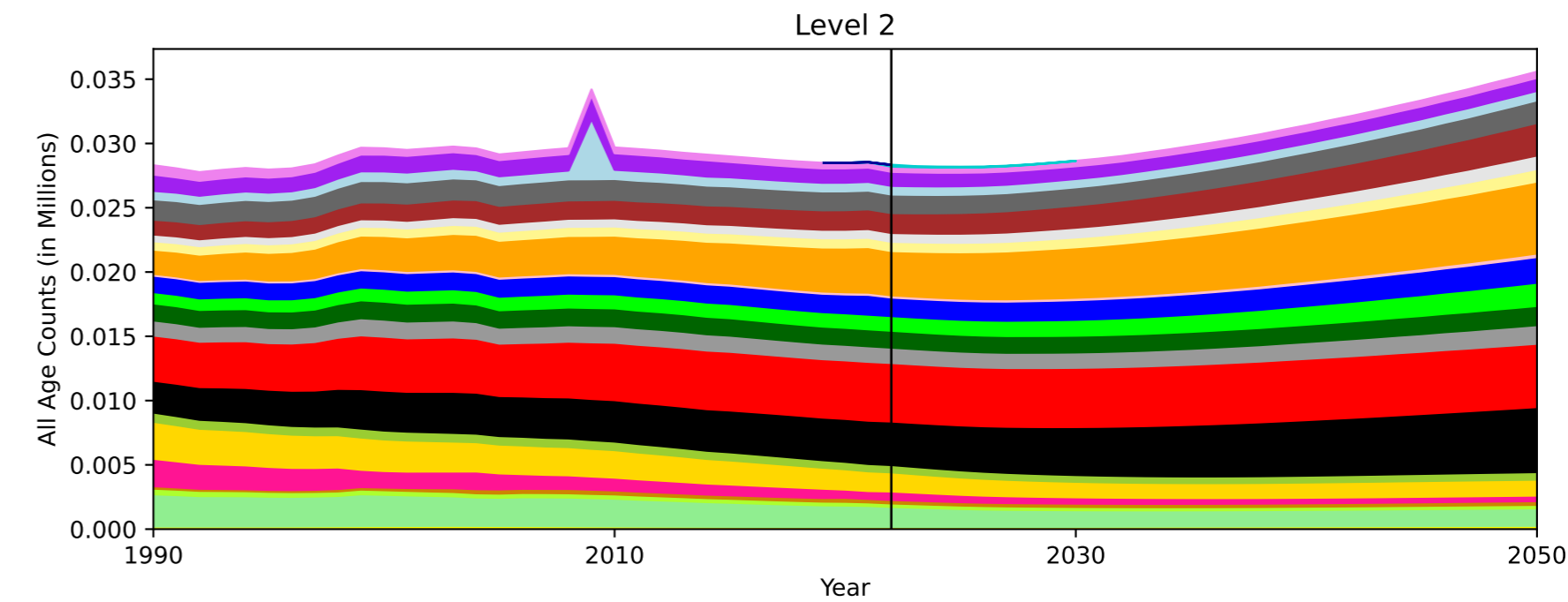
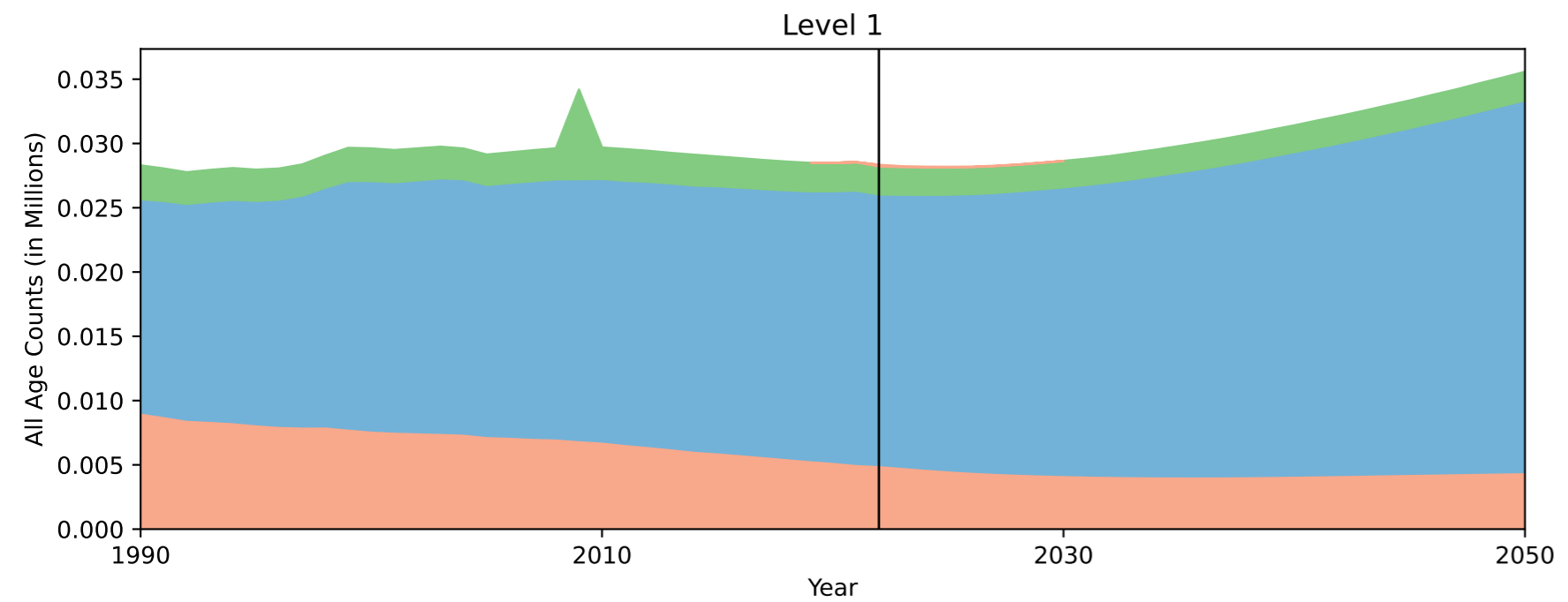
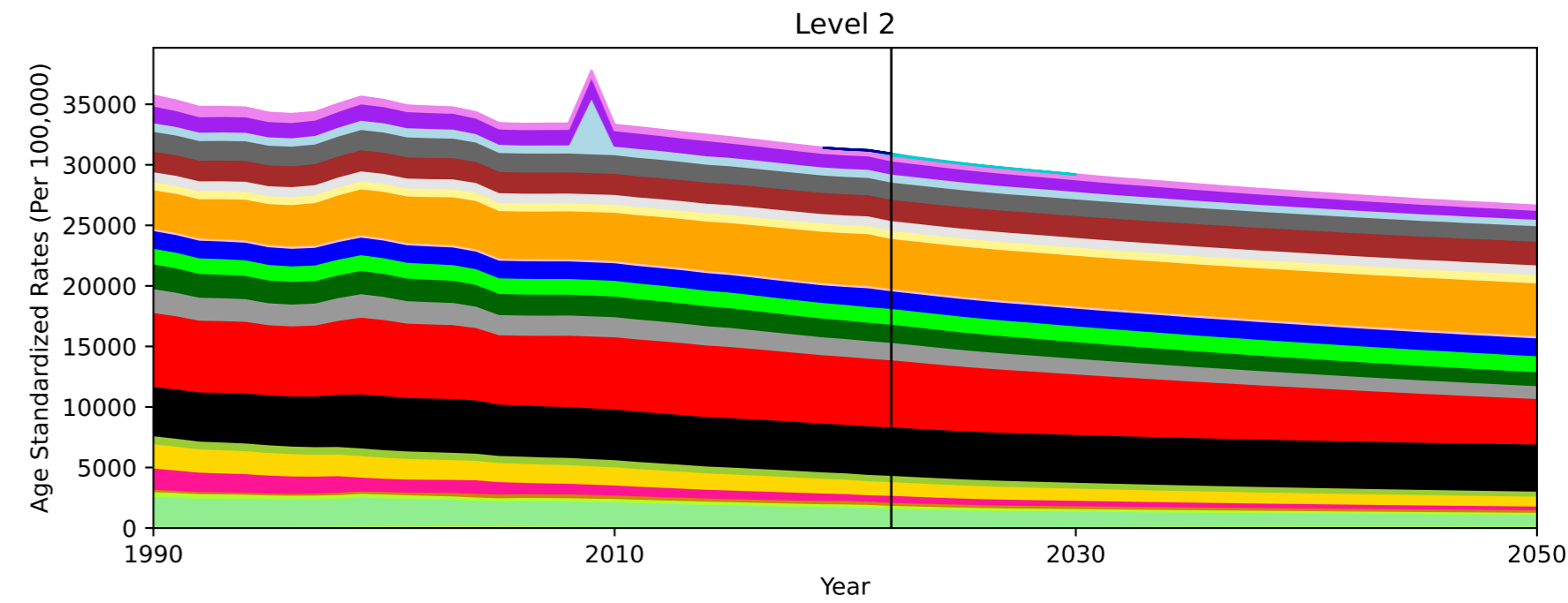
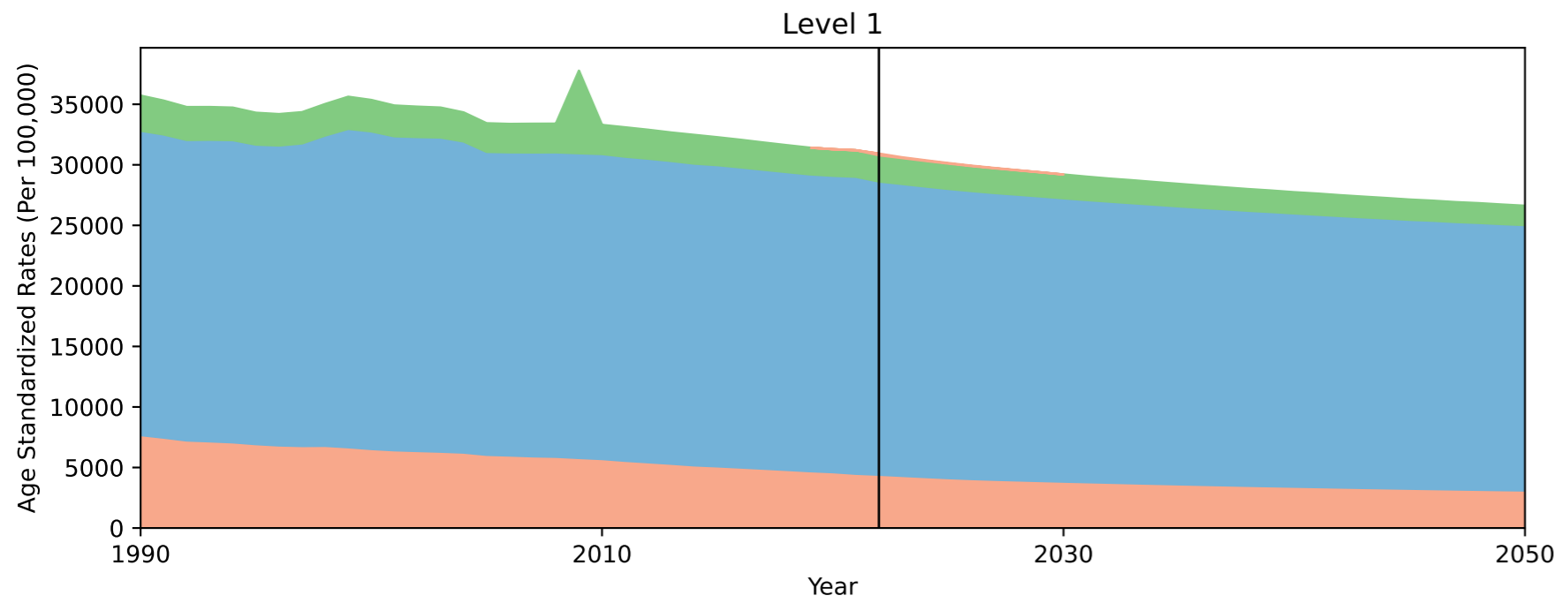
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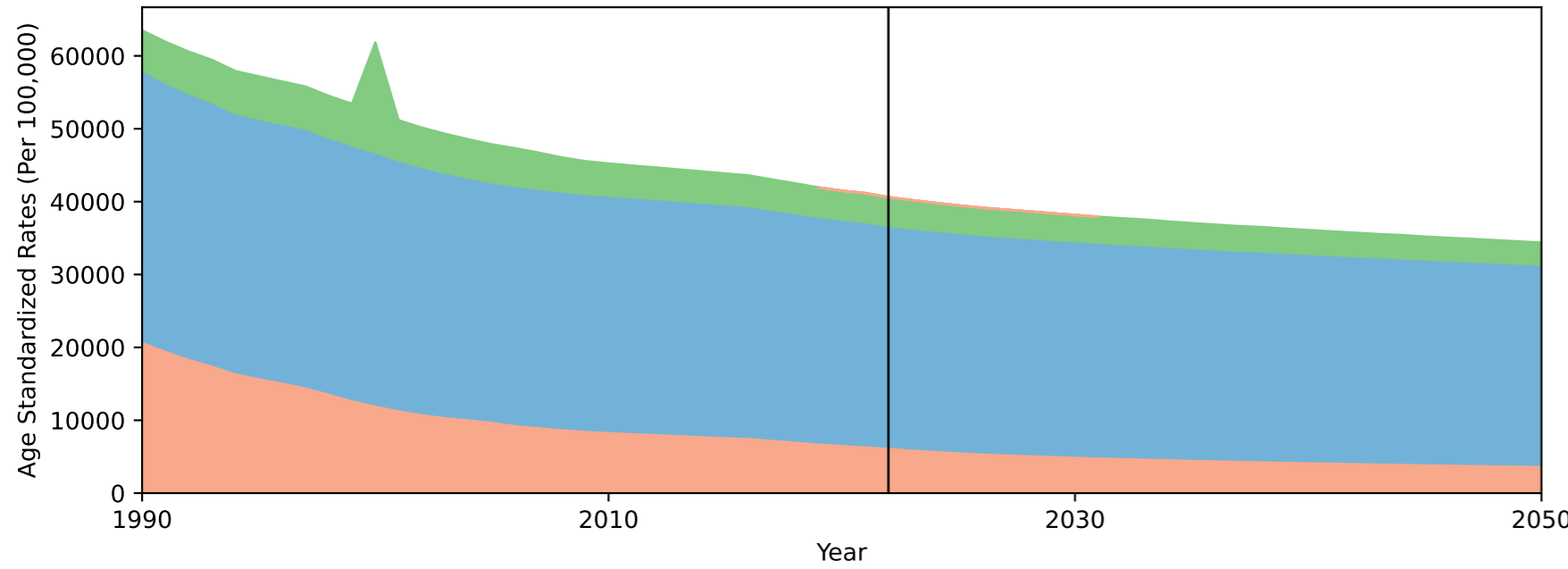


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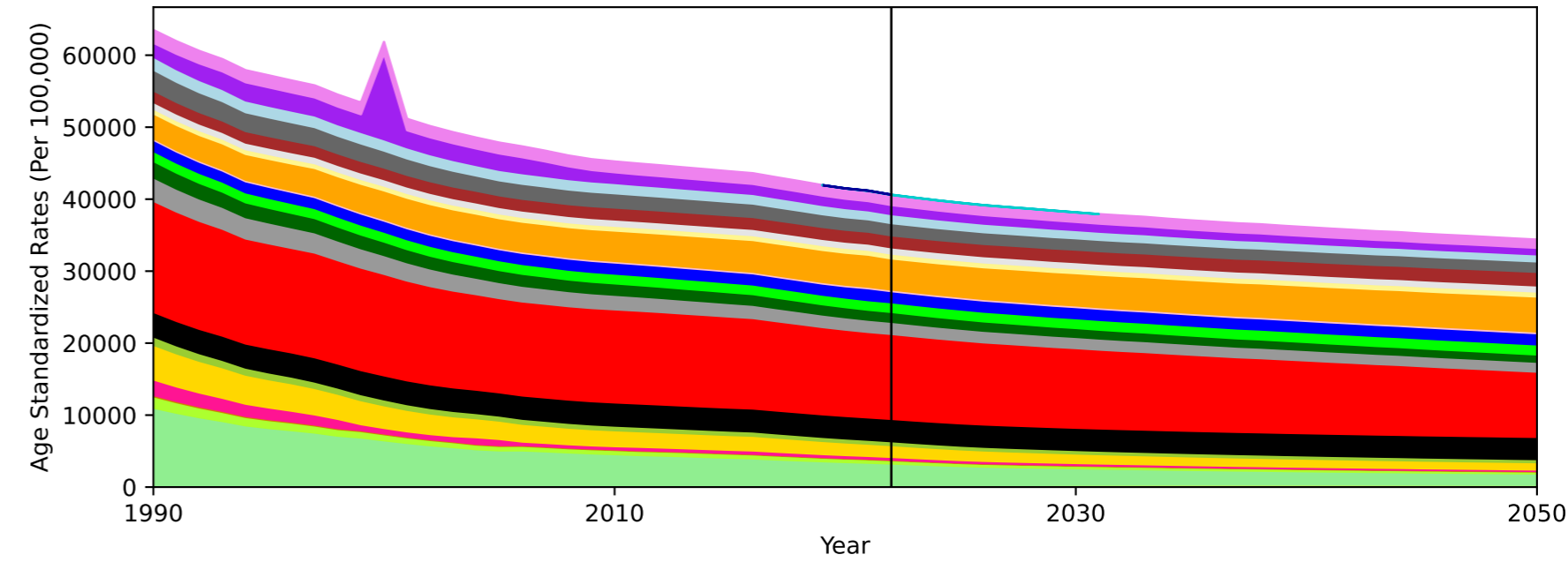


# Tuvalu

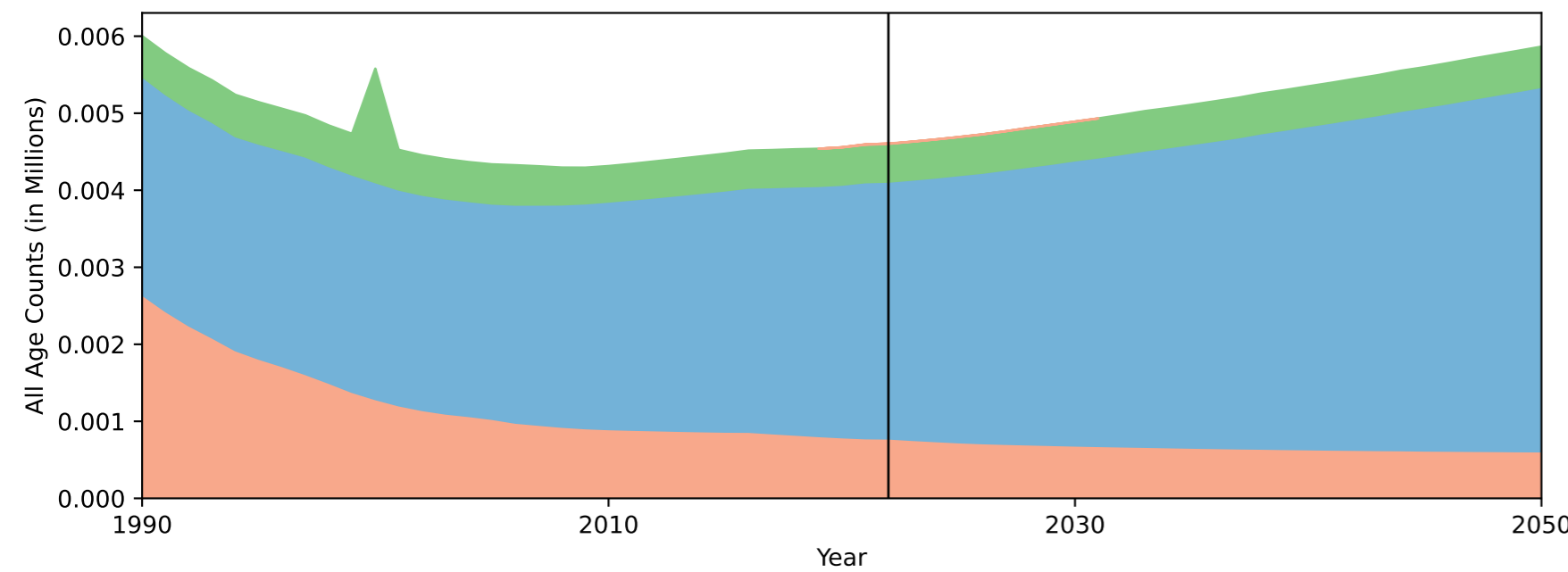
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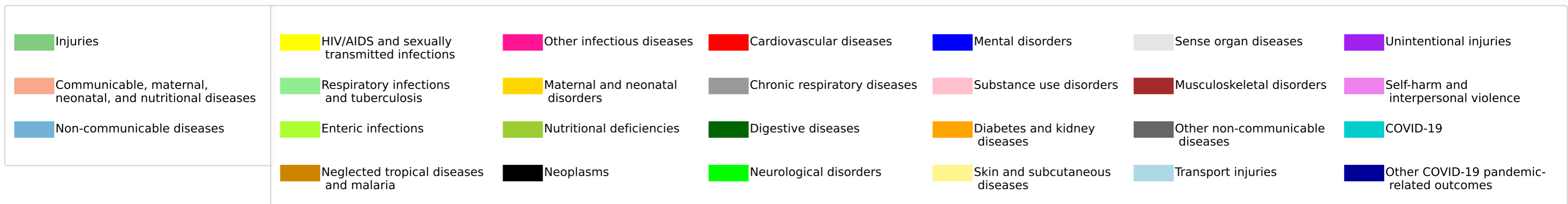
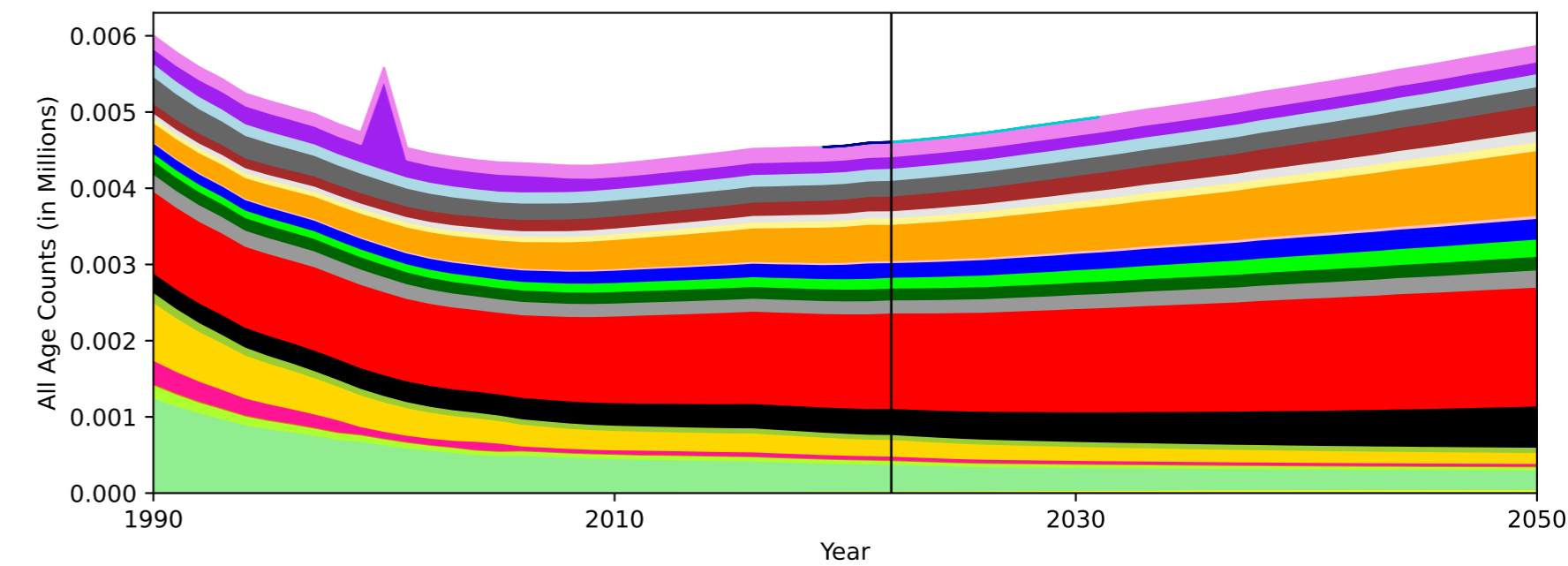
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Level 1

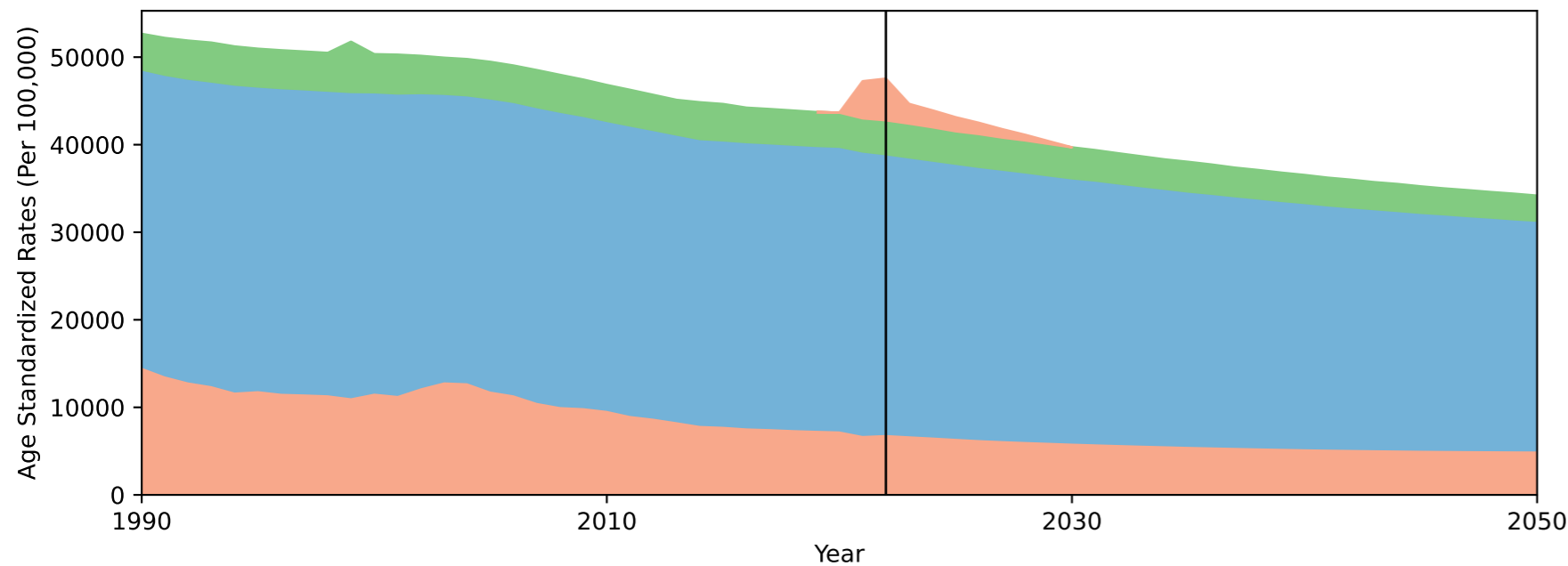


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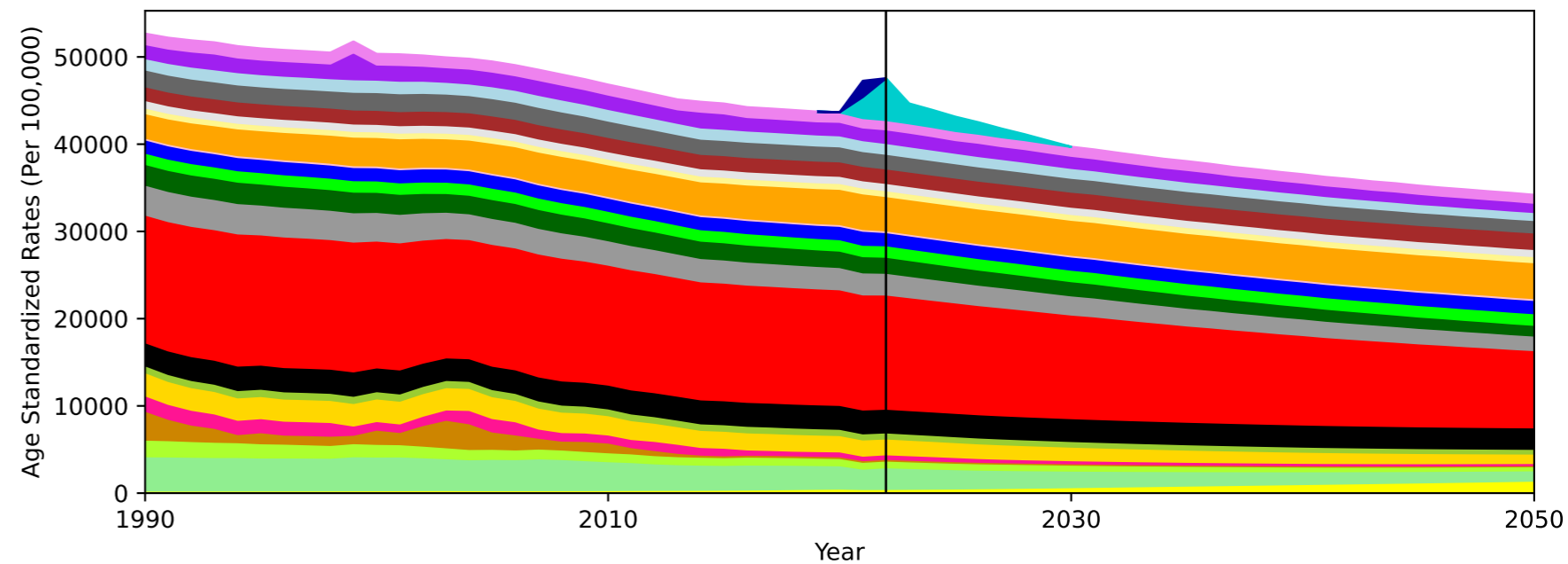


# Vanuatu

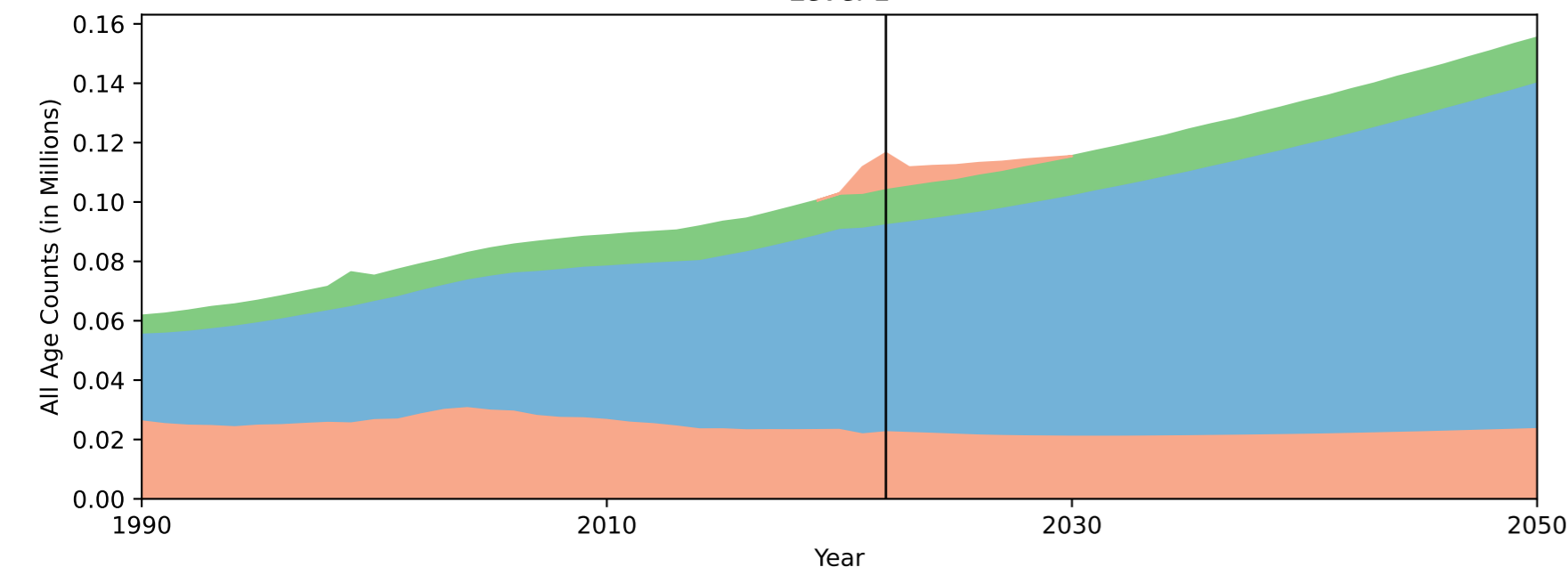
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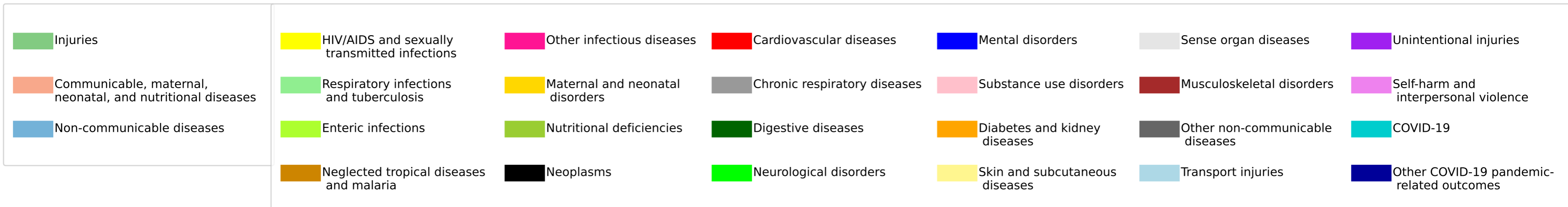
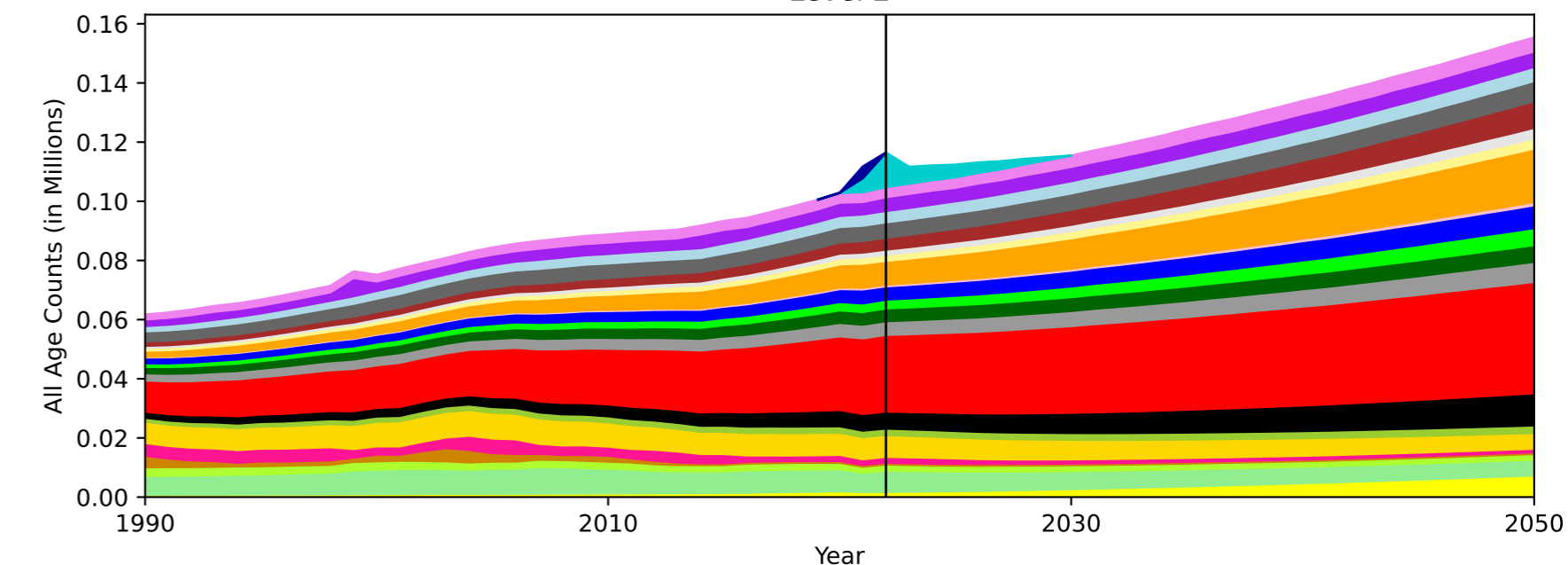
Level 2



Level 1



Level 2

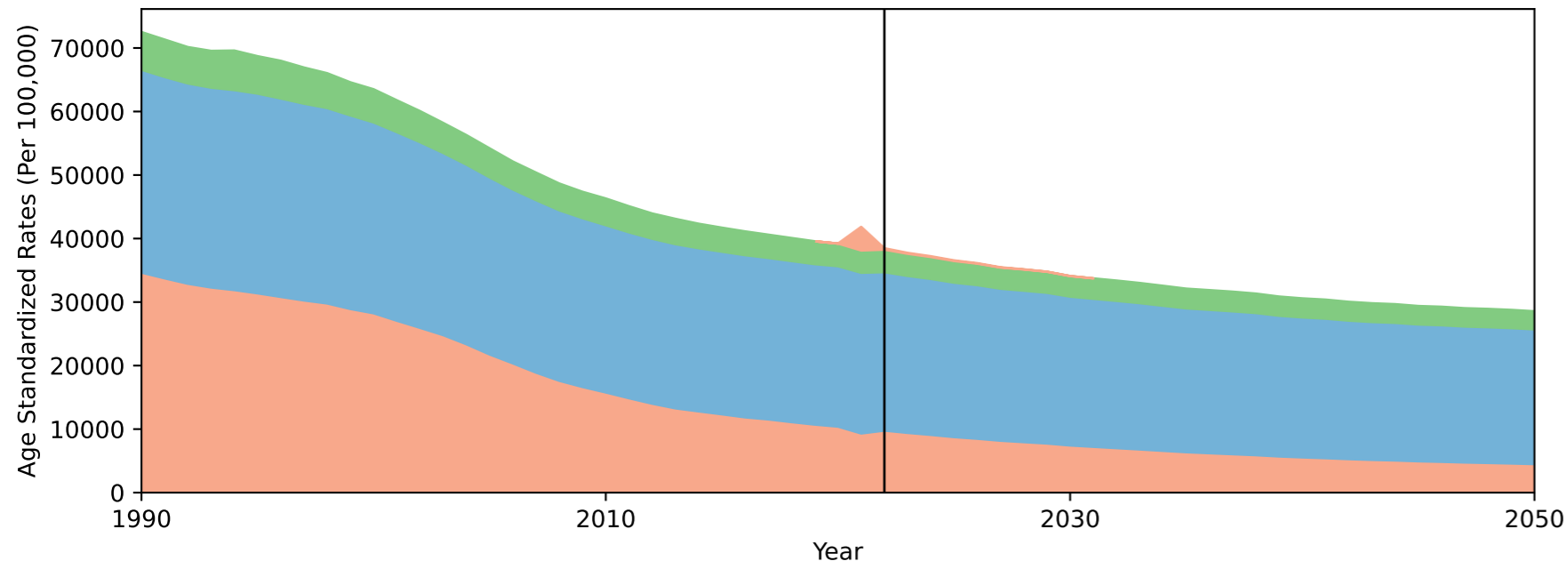


# Cambodia

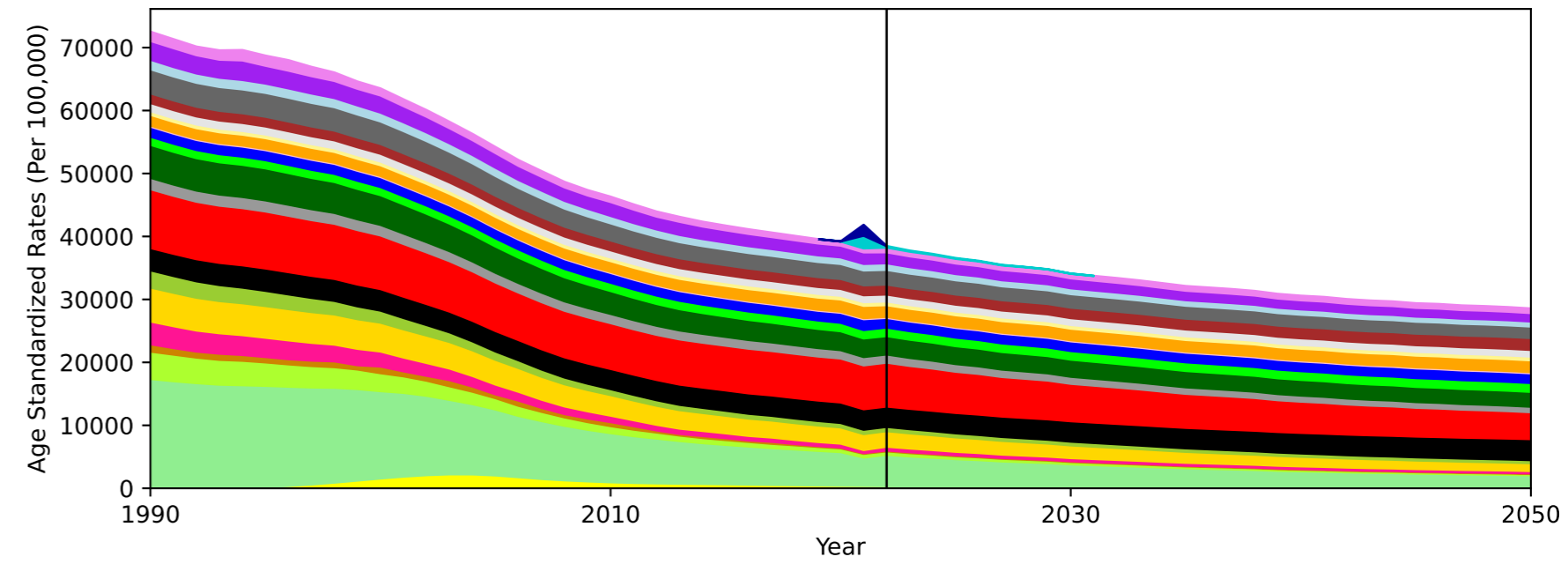
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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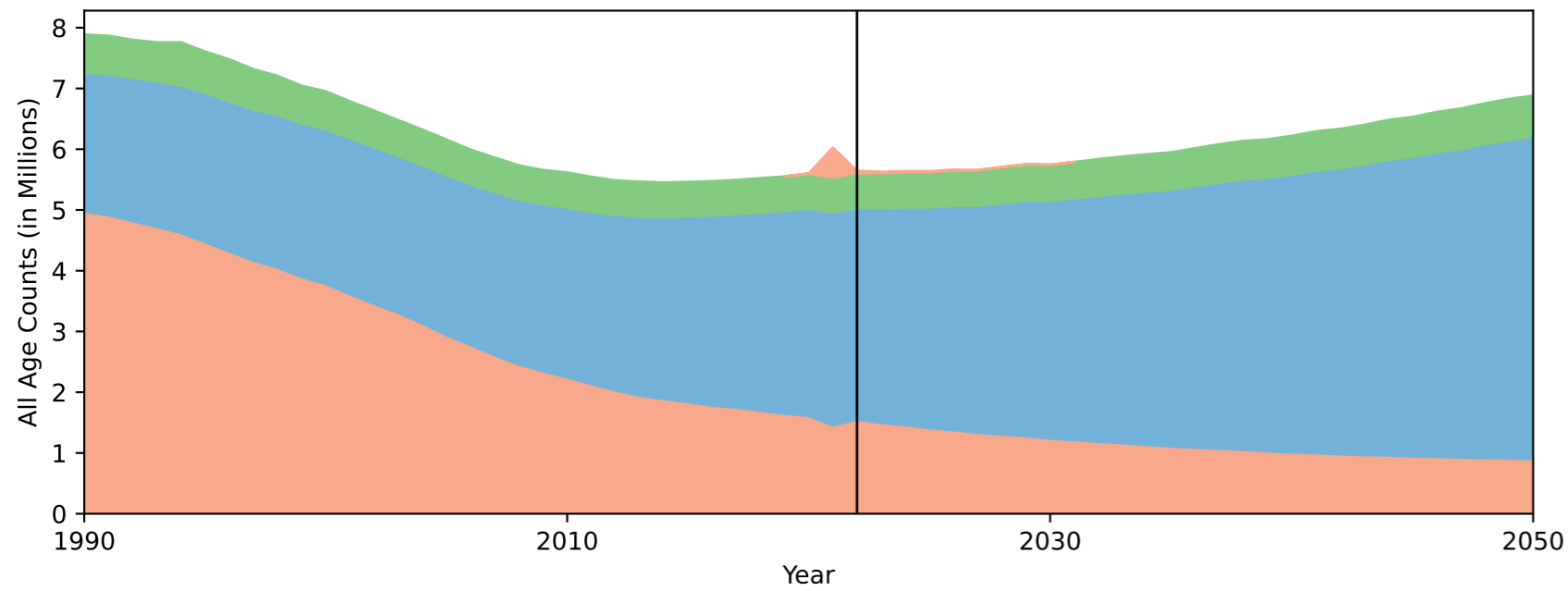
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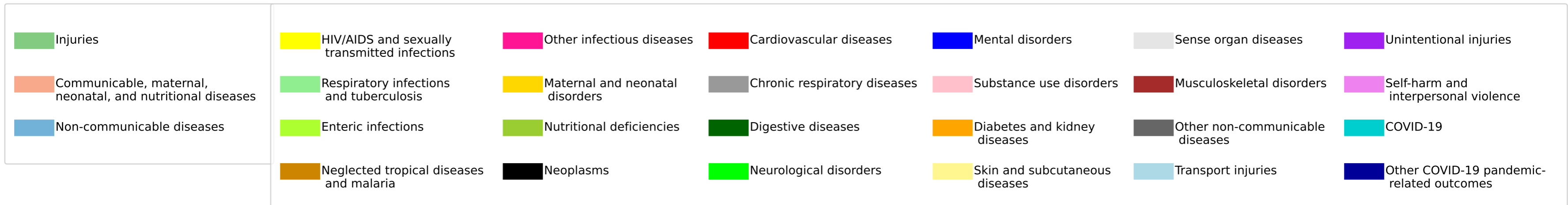
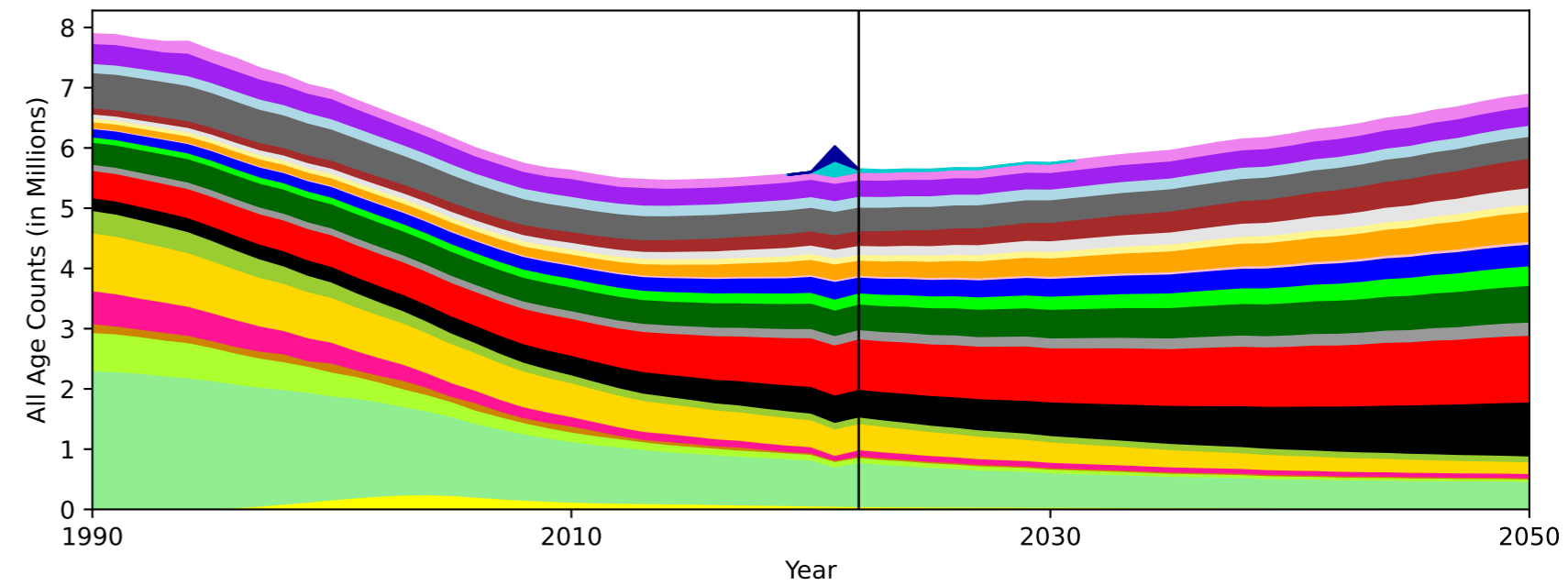
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Level 1

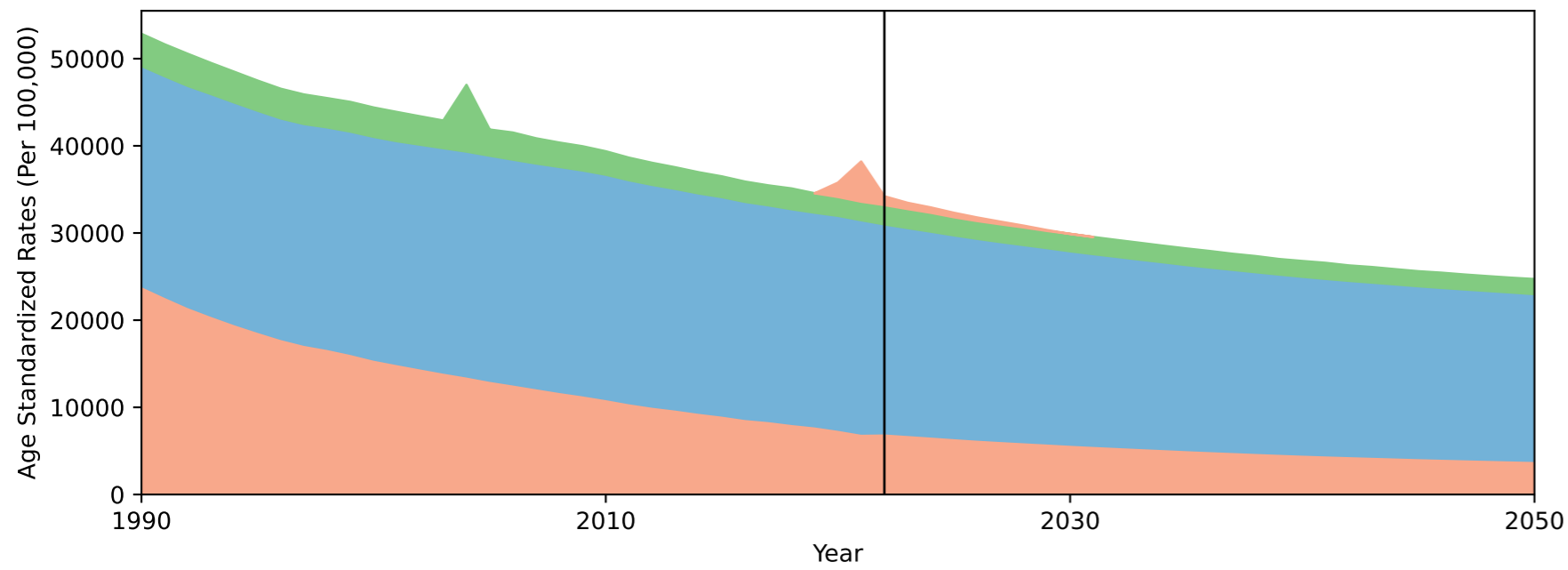


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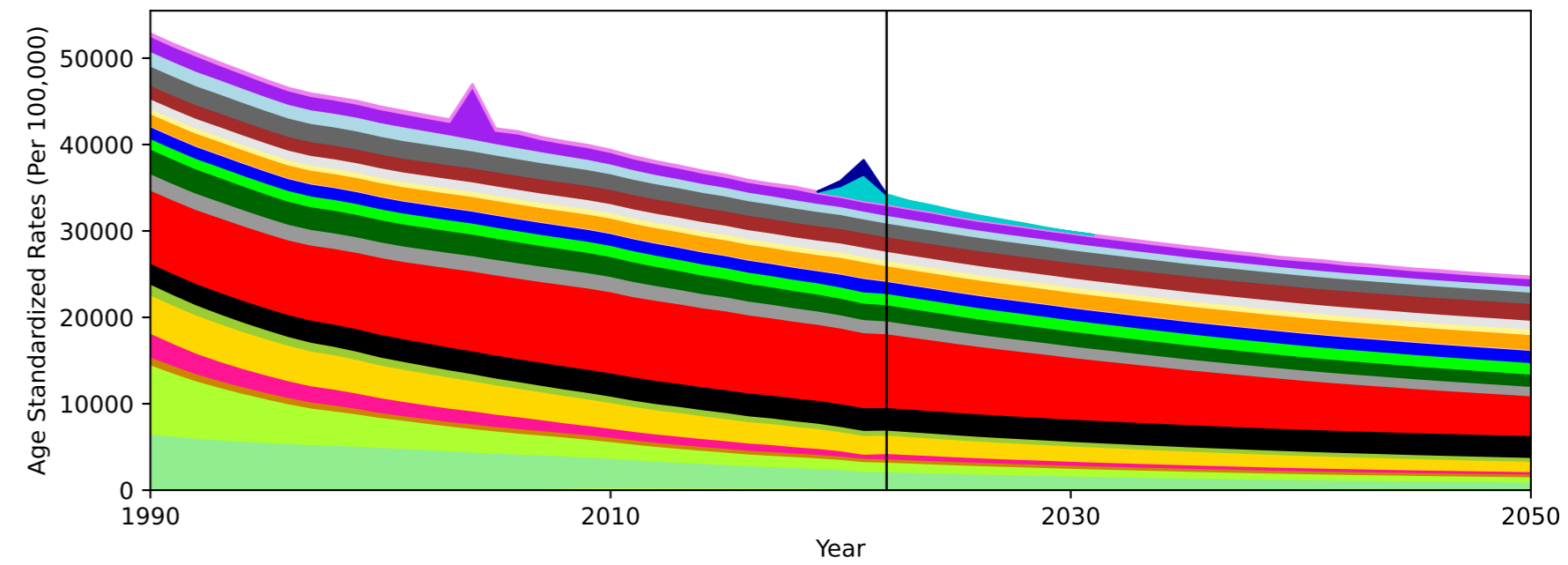


# Indonesia

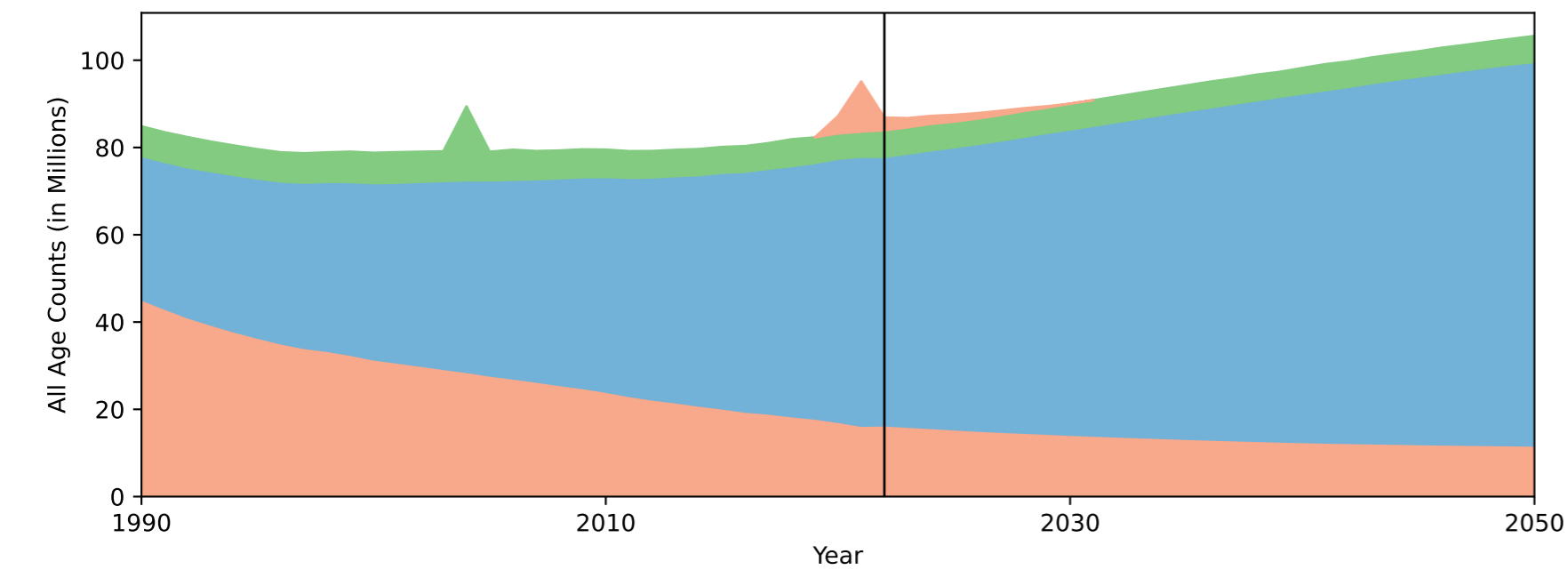
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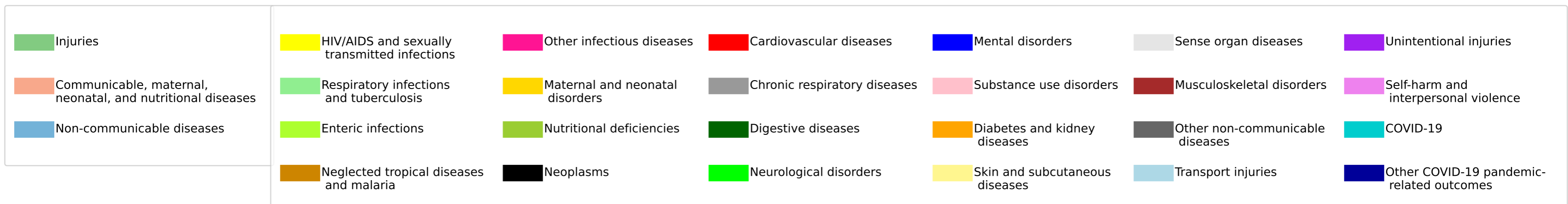
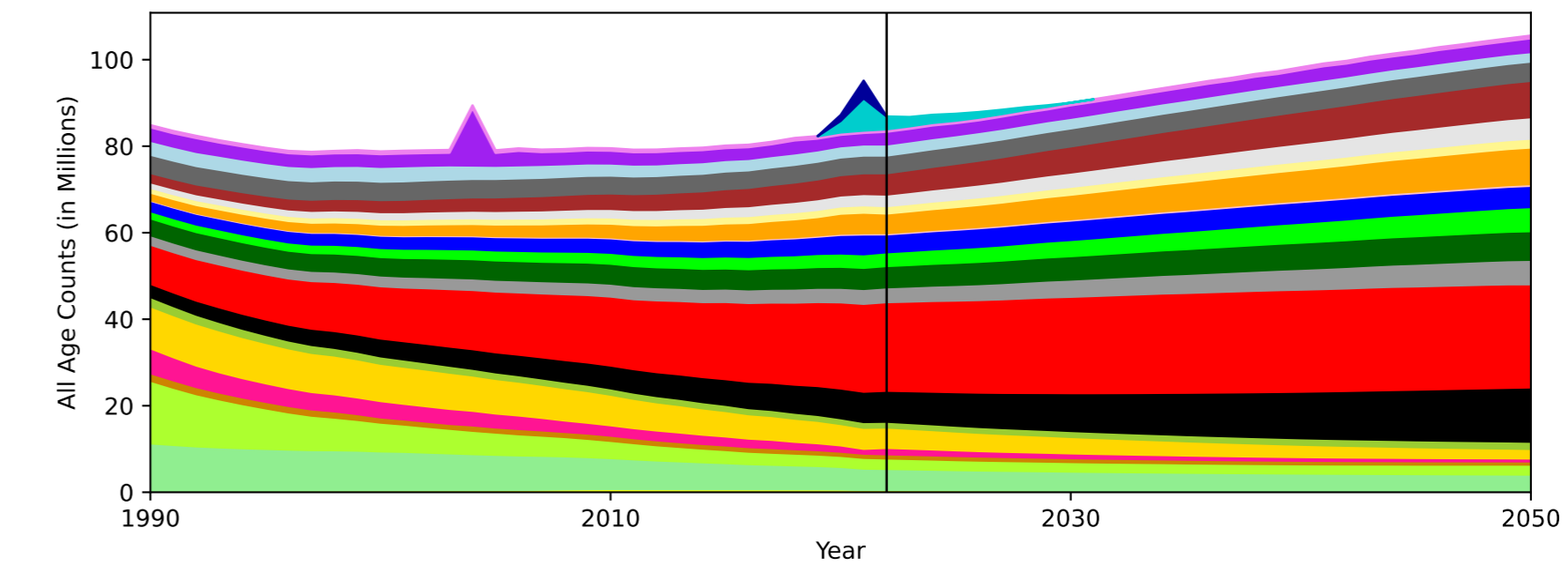
Level 2



Level 1

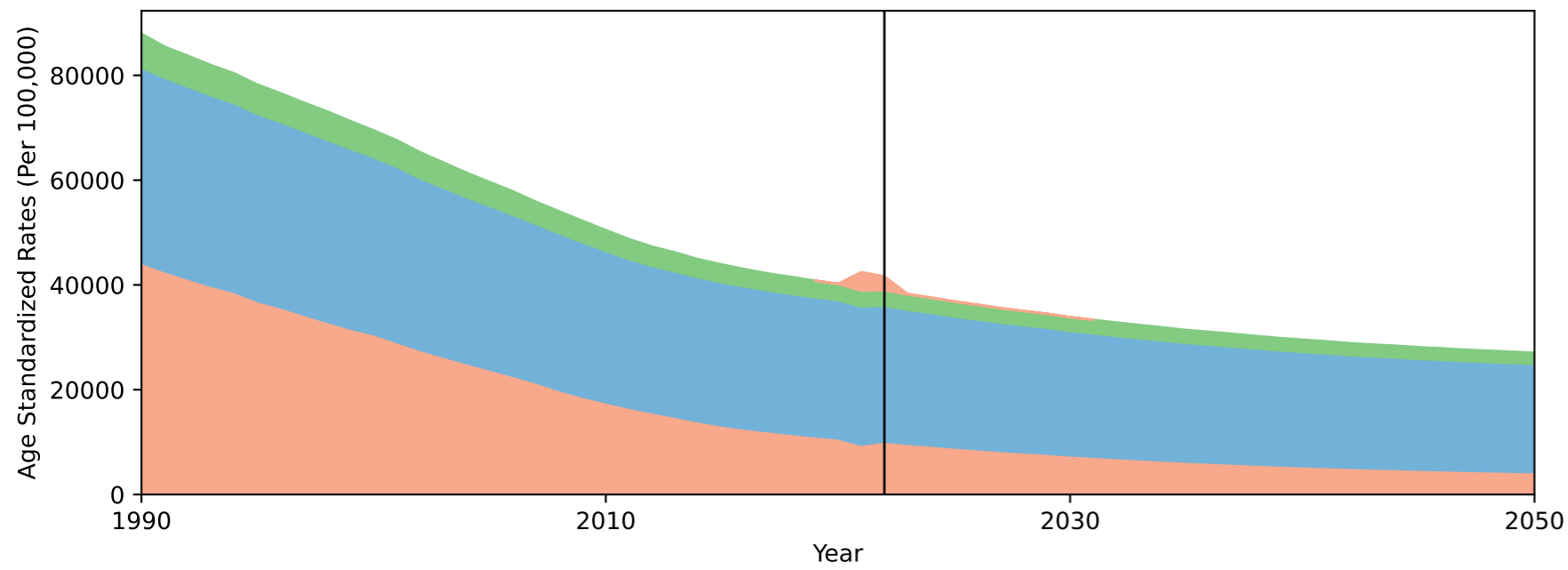


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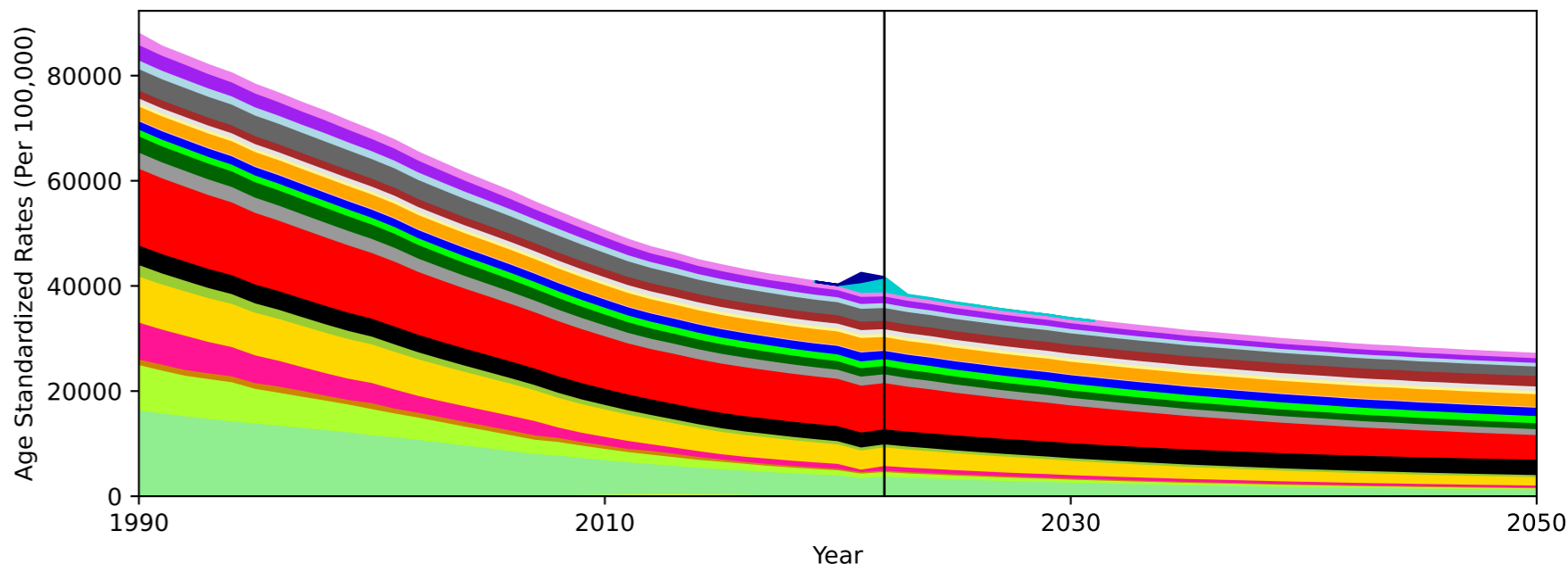




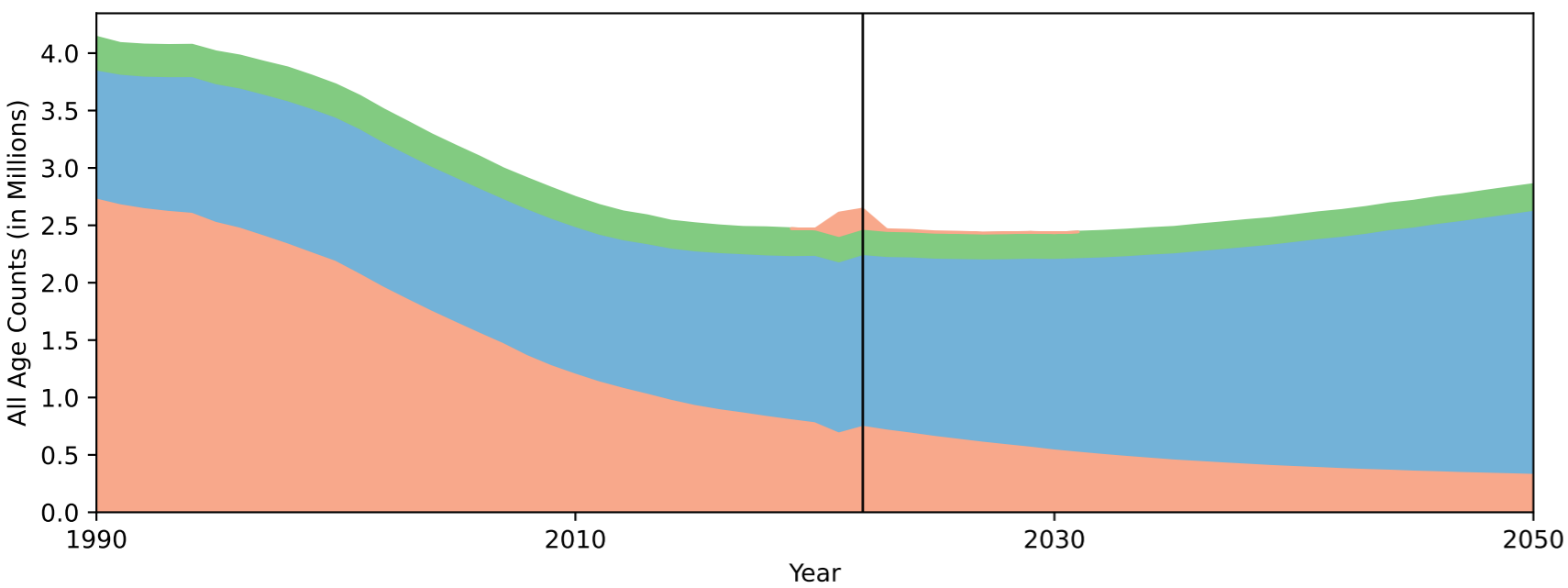
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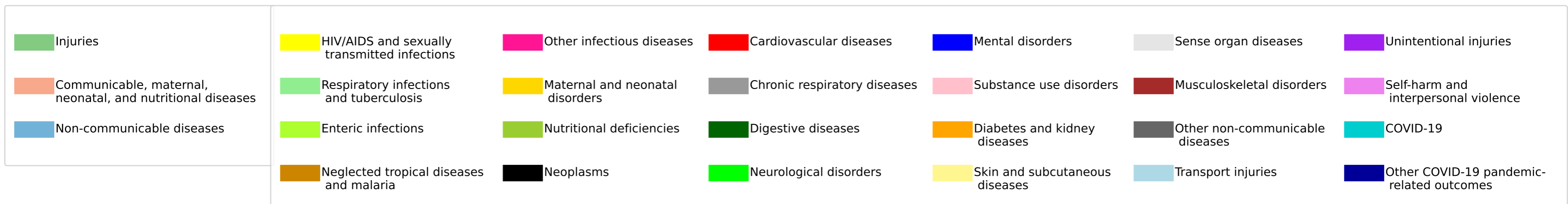
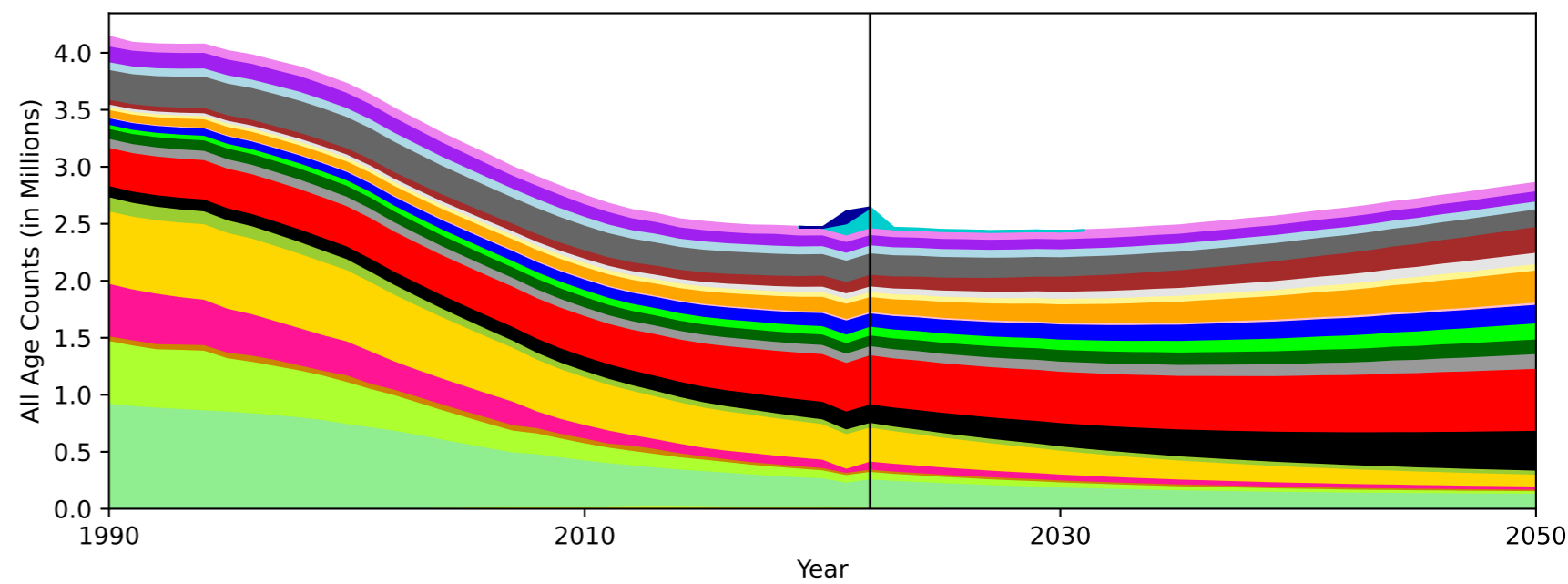
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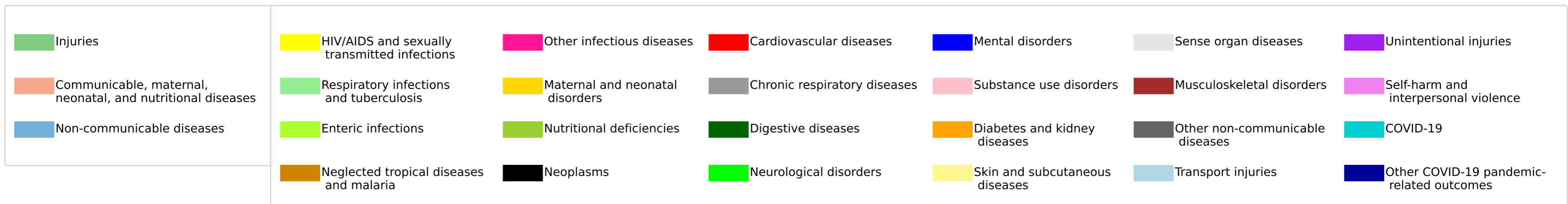
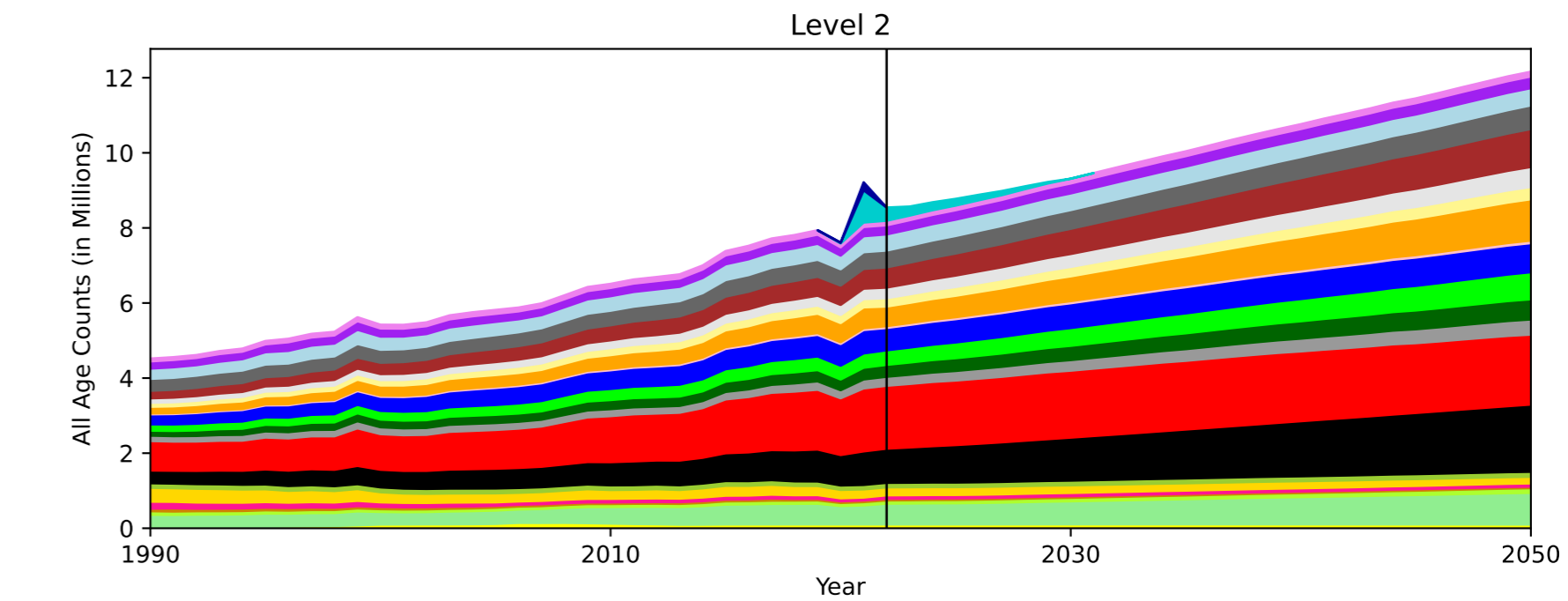
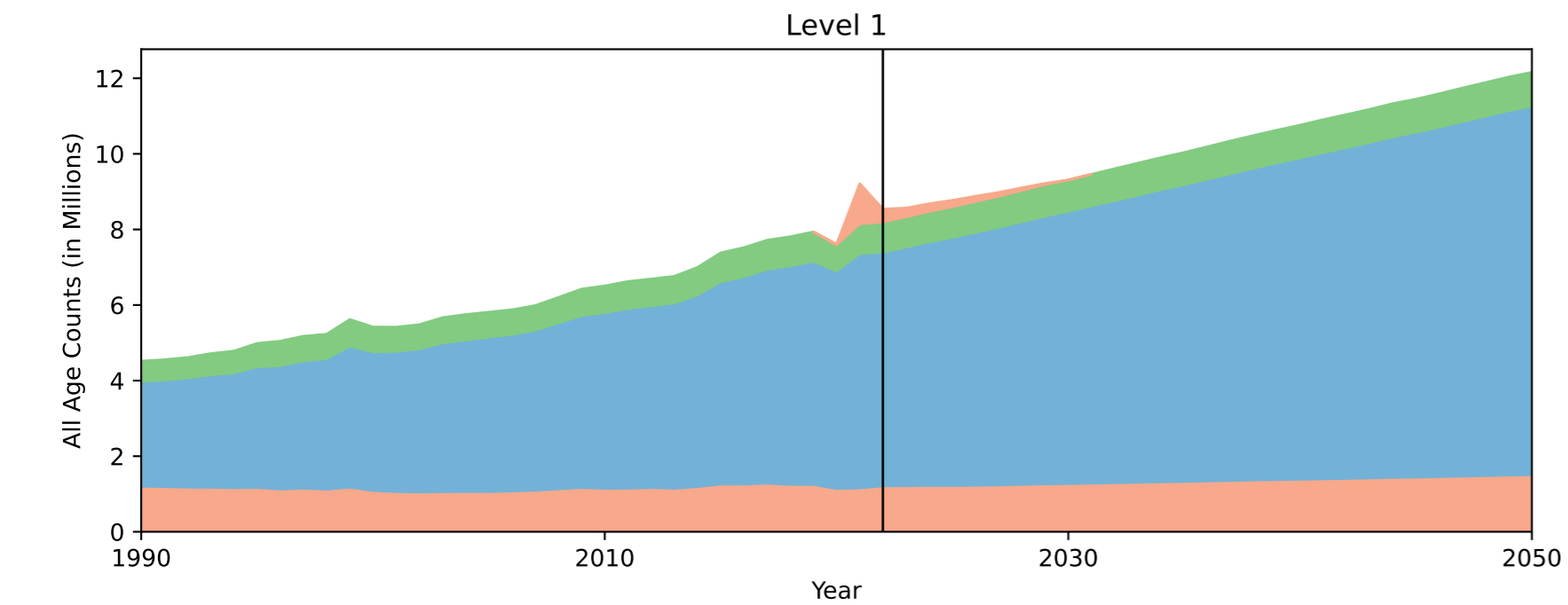
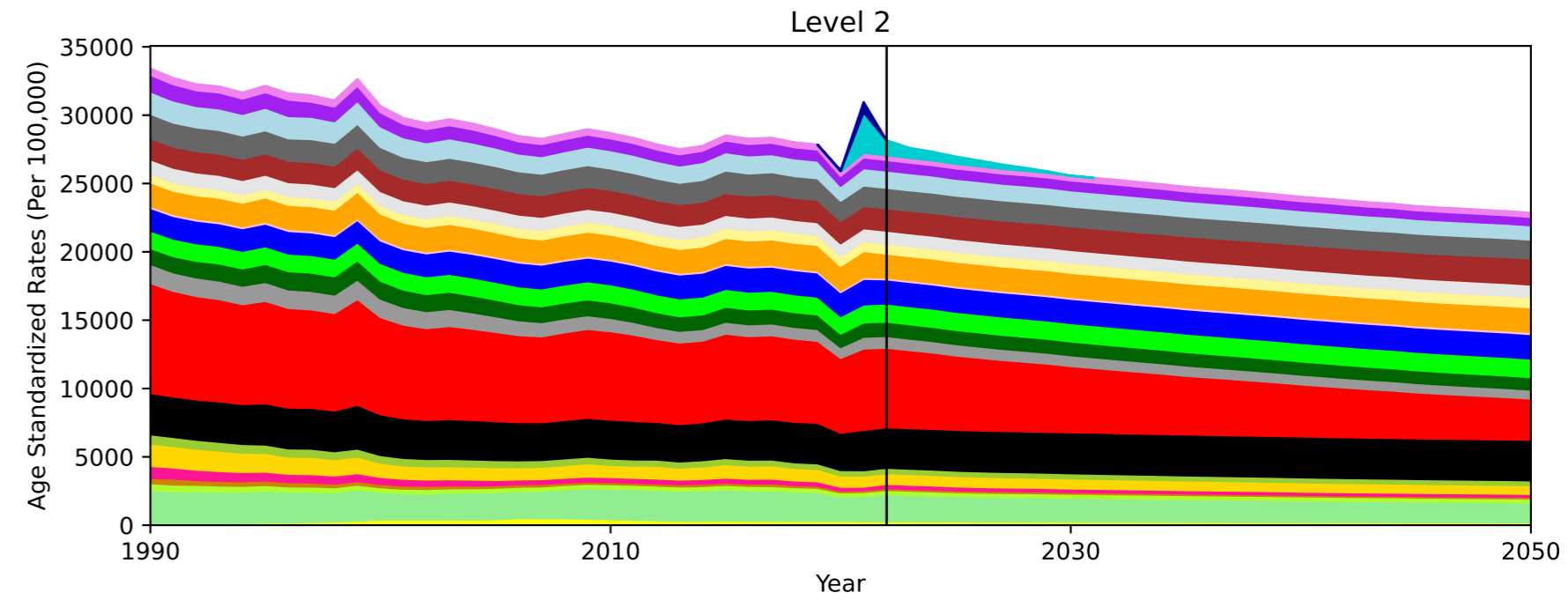
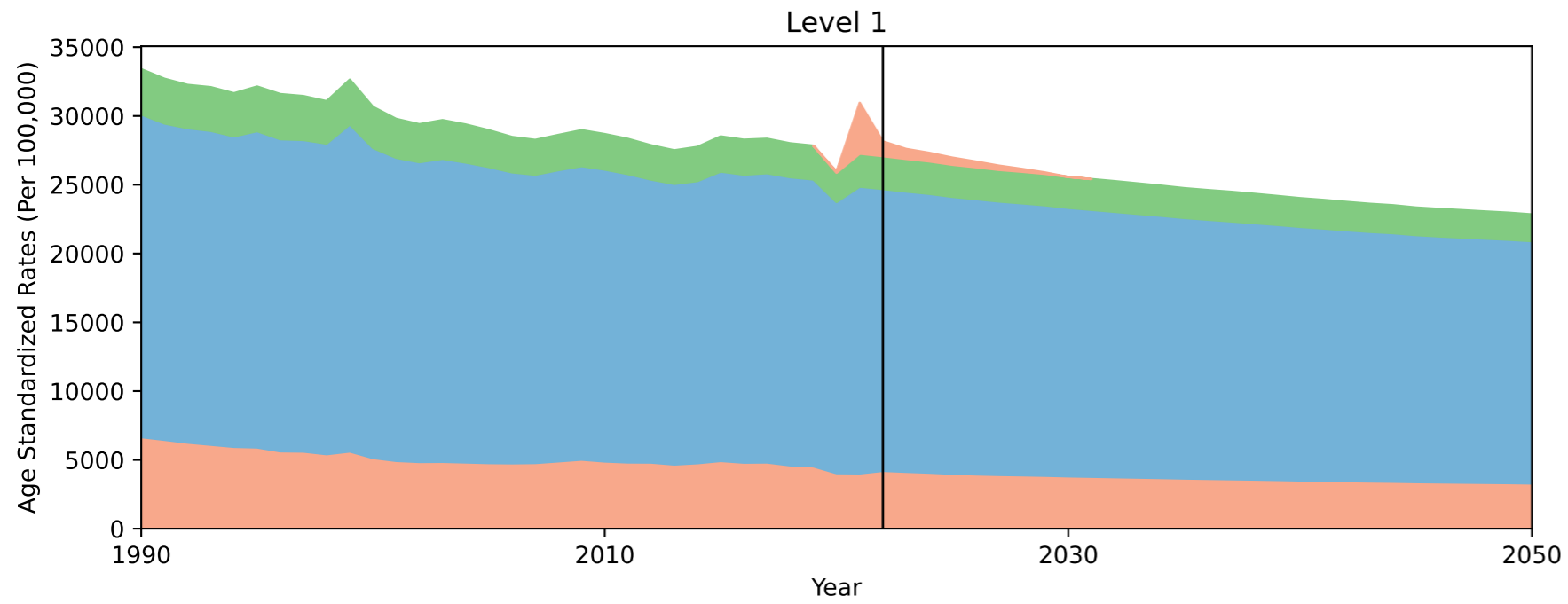
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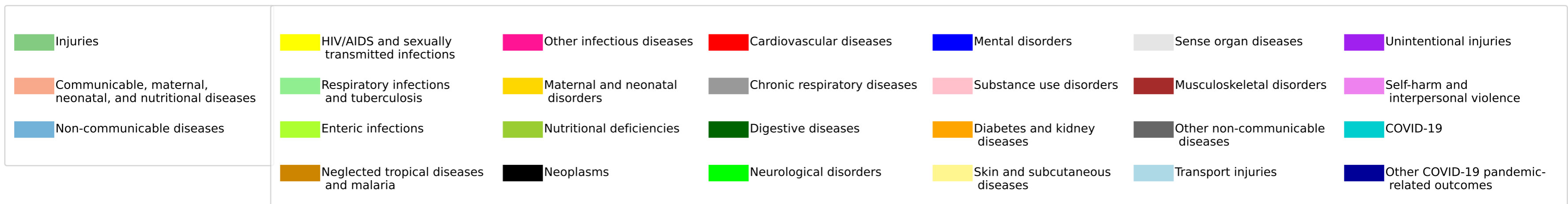
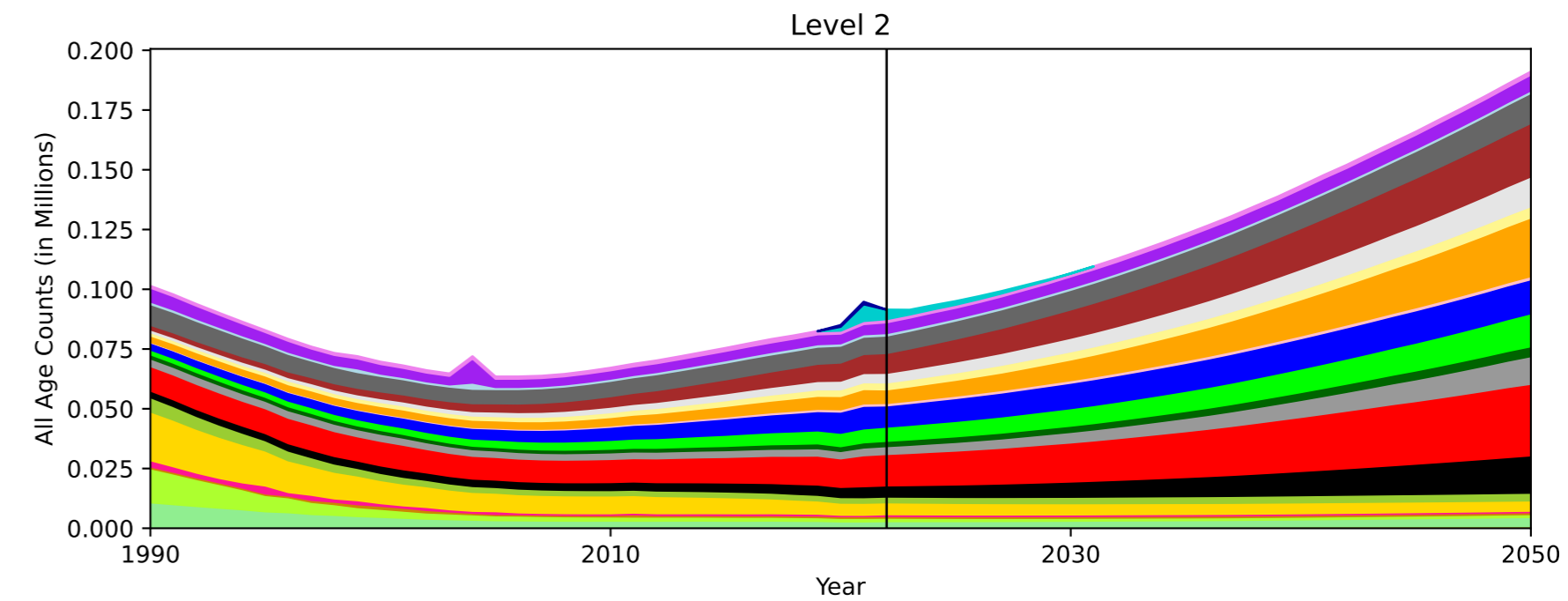
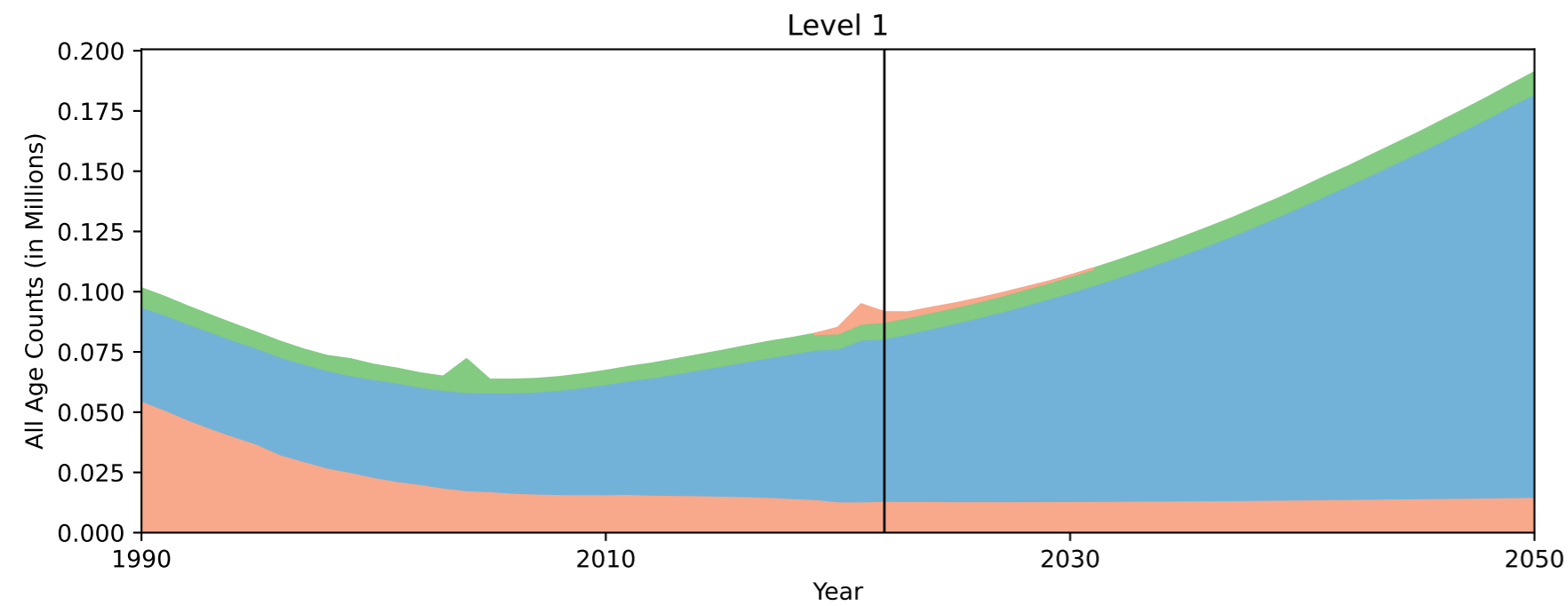
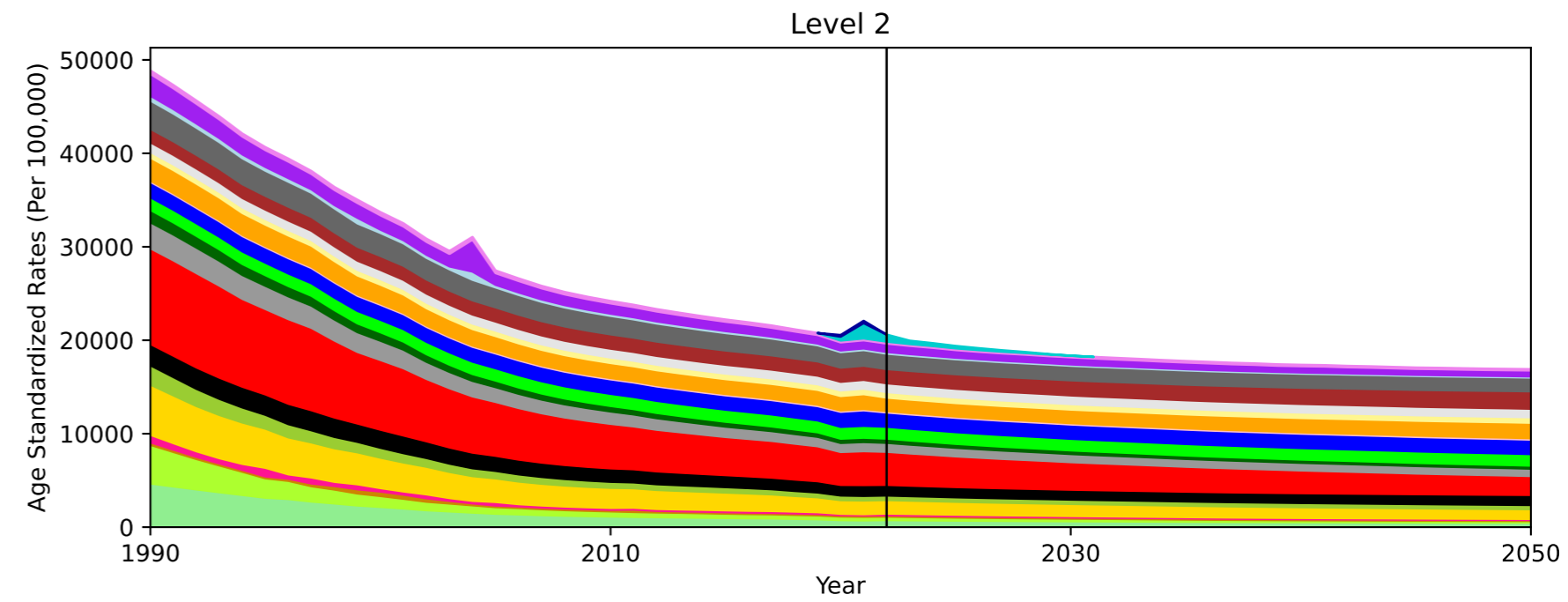
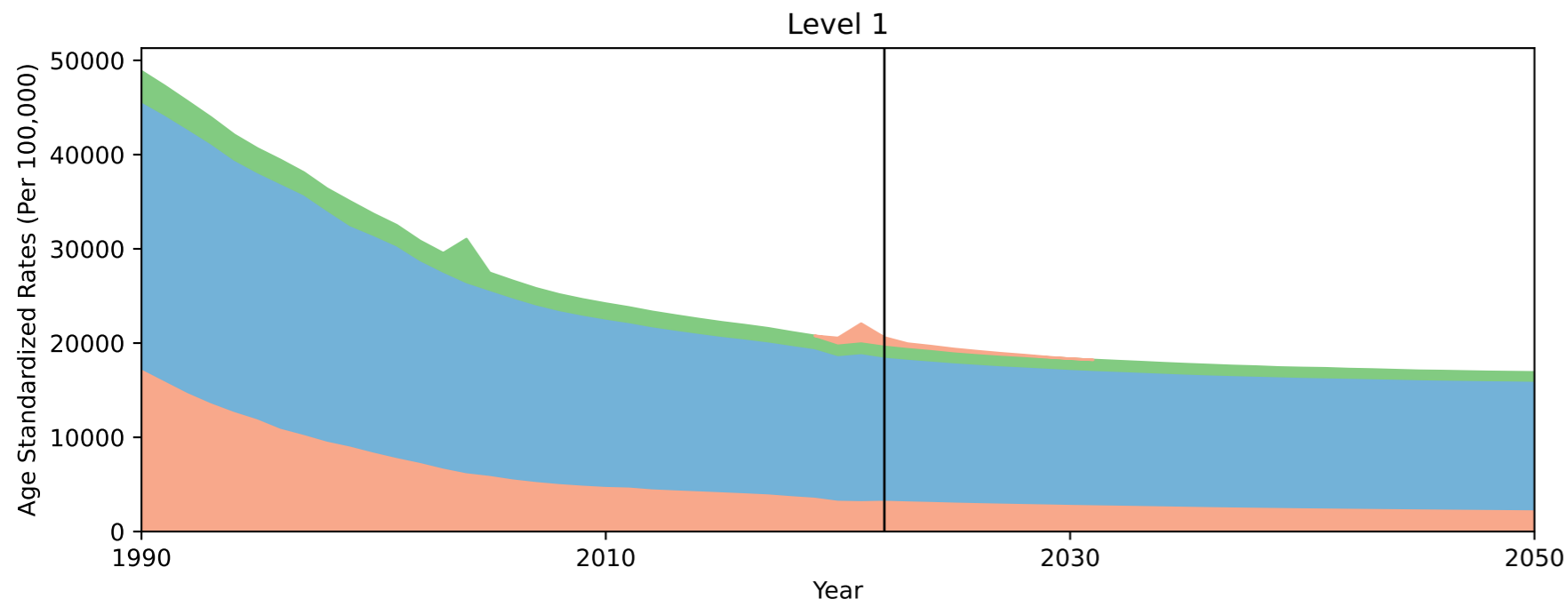
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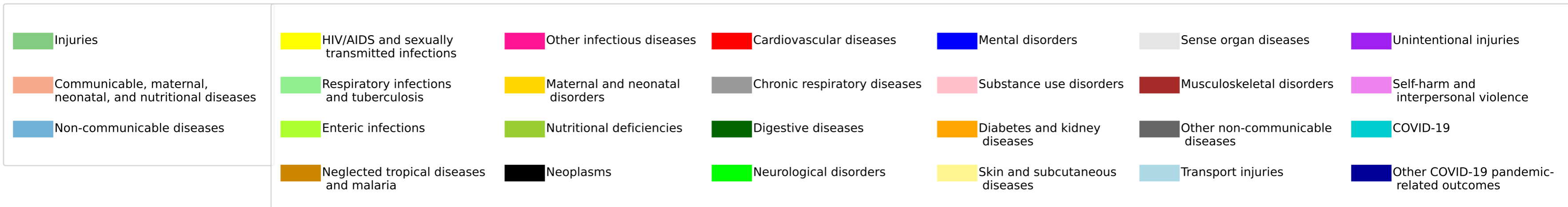
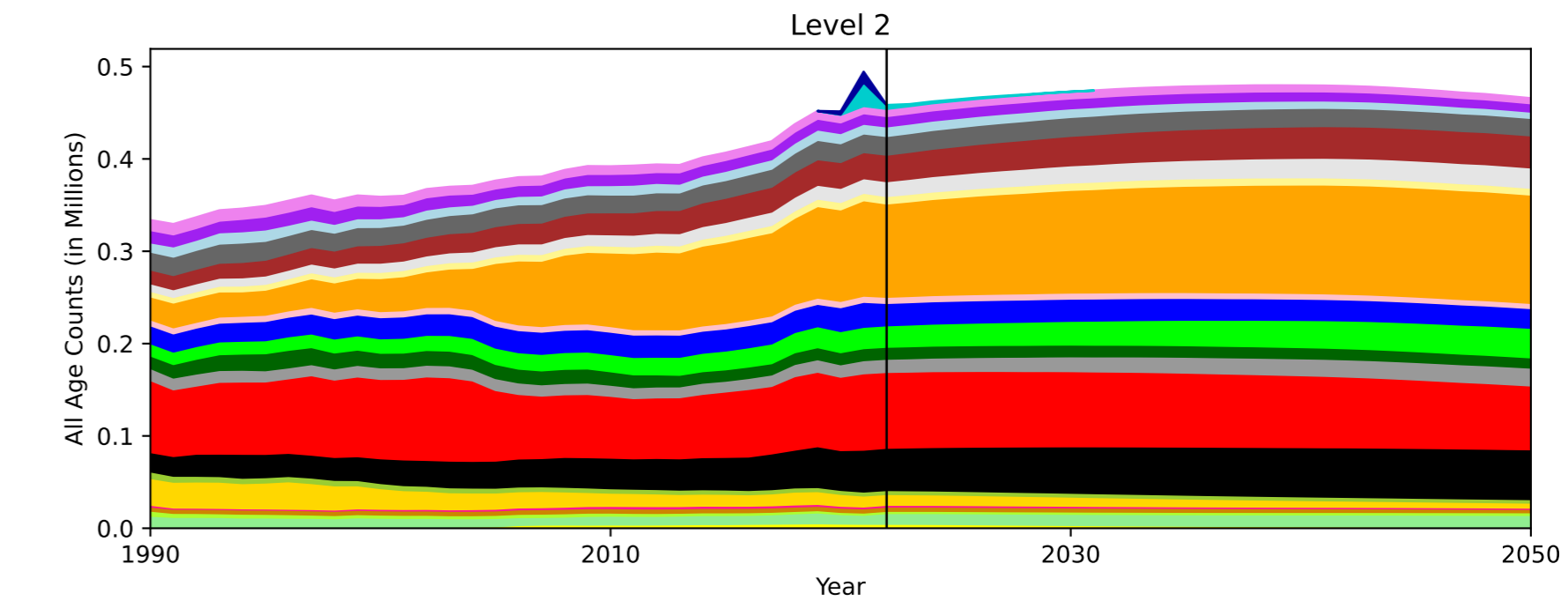
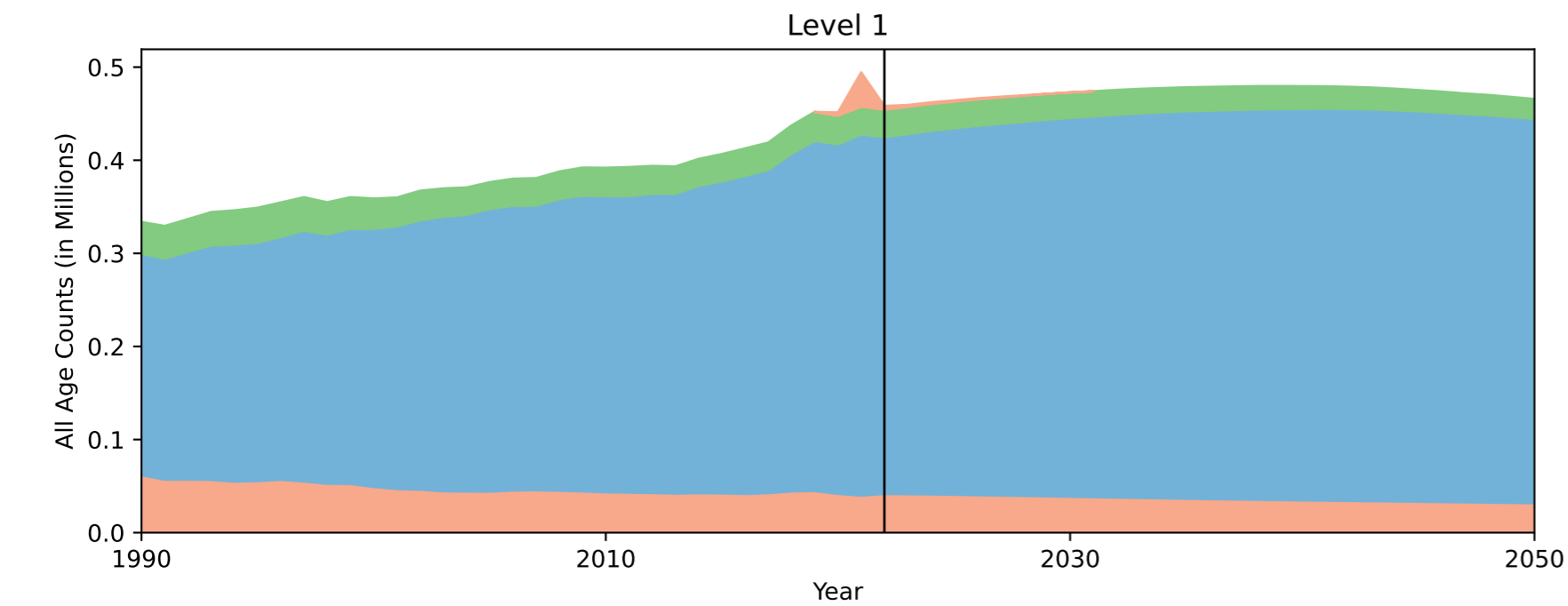
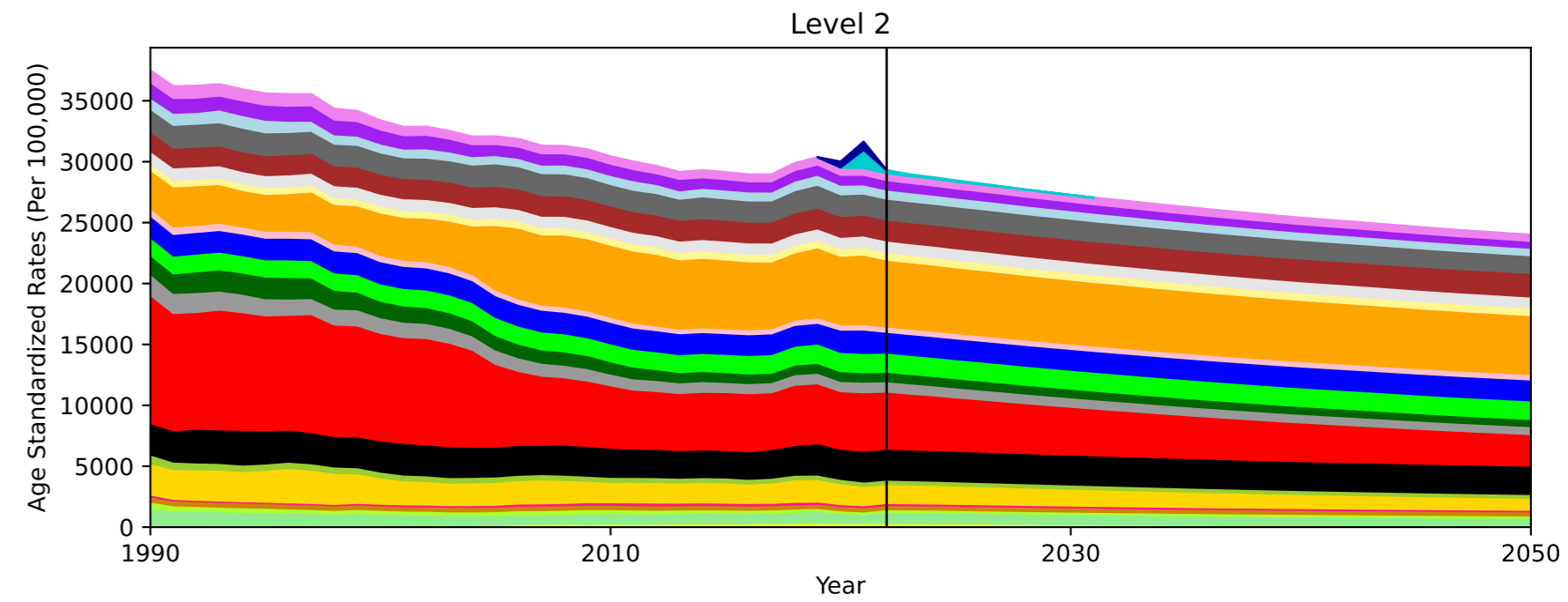
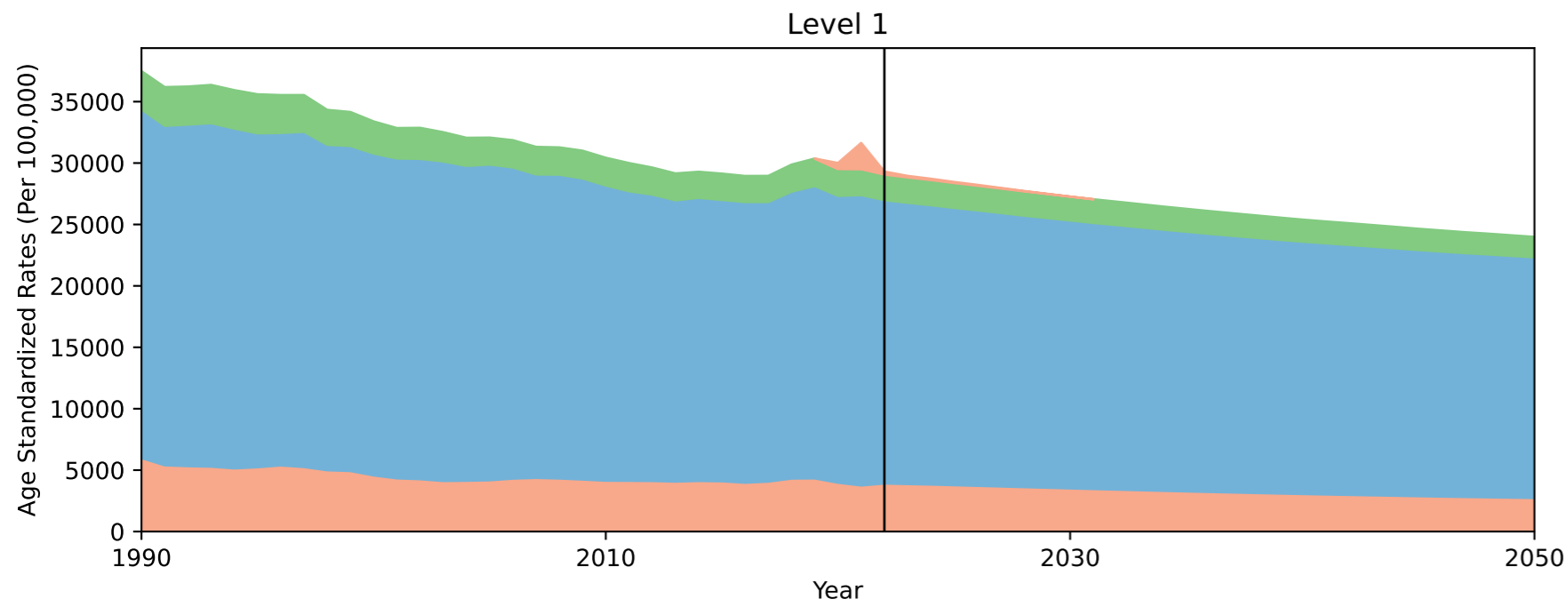
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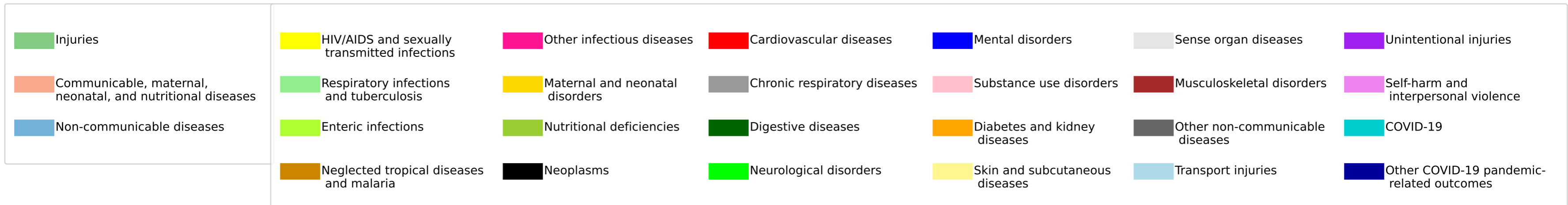
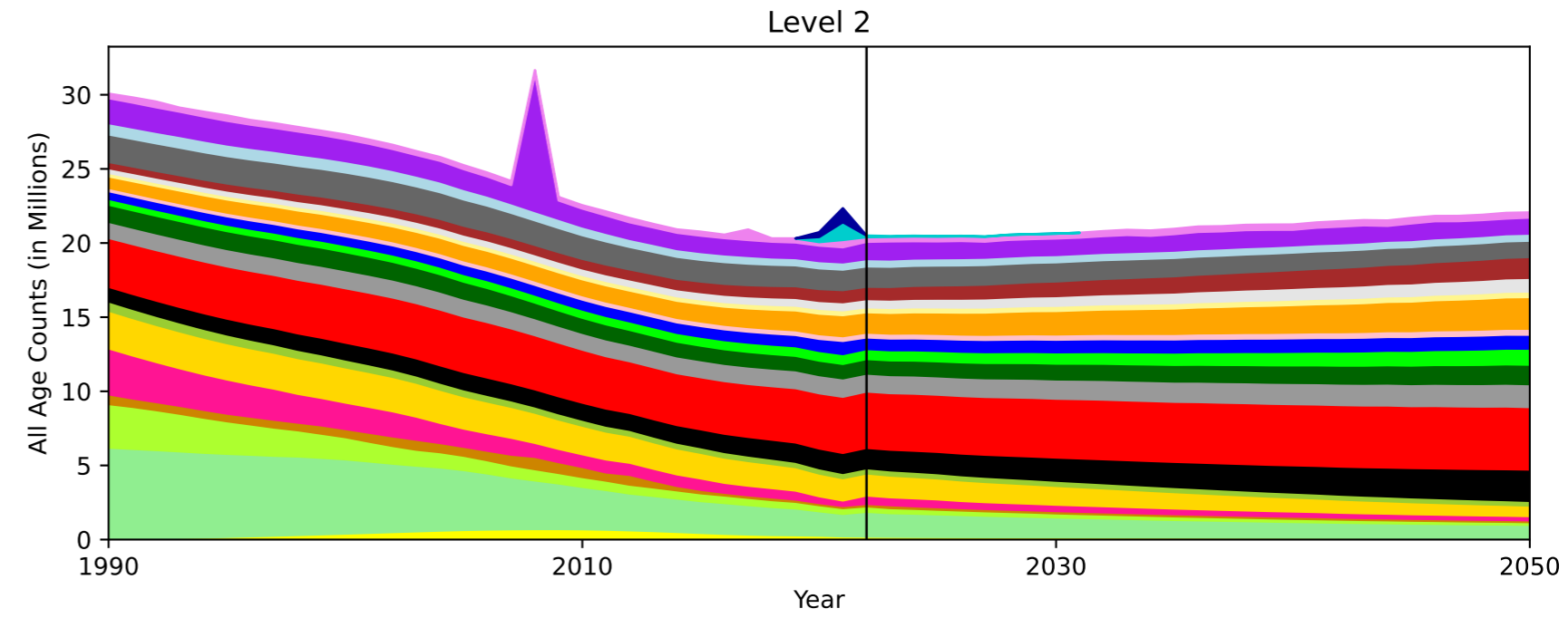
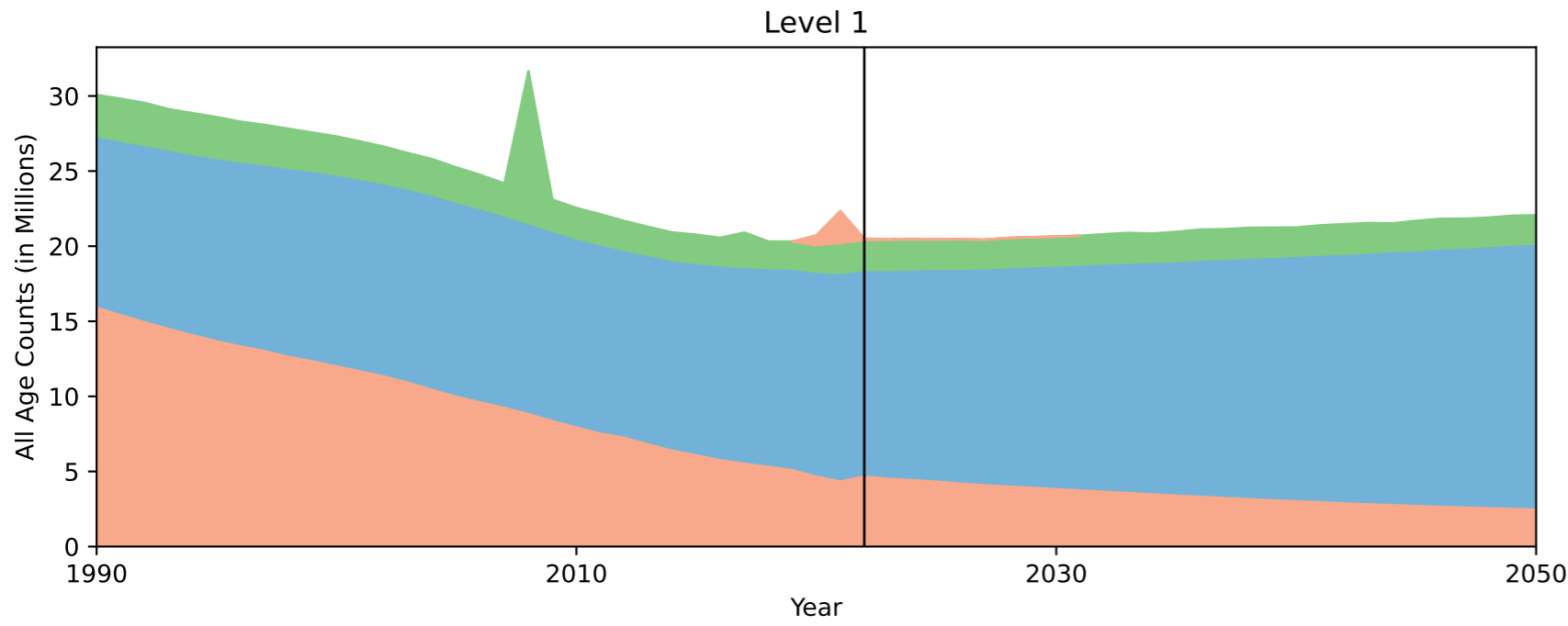
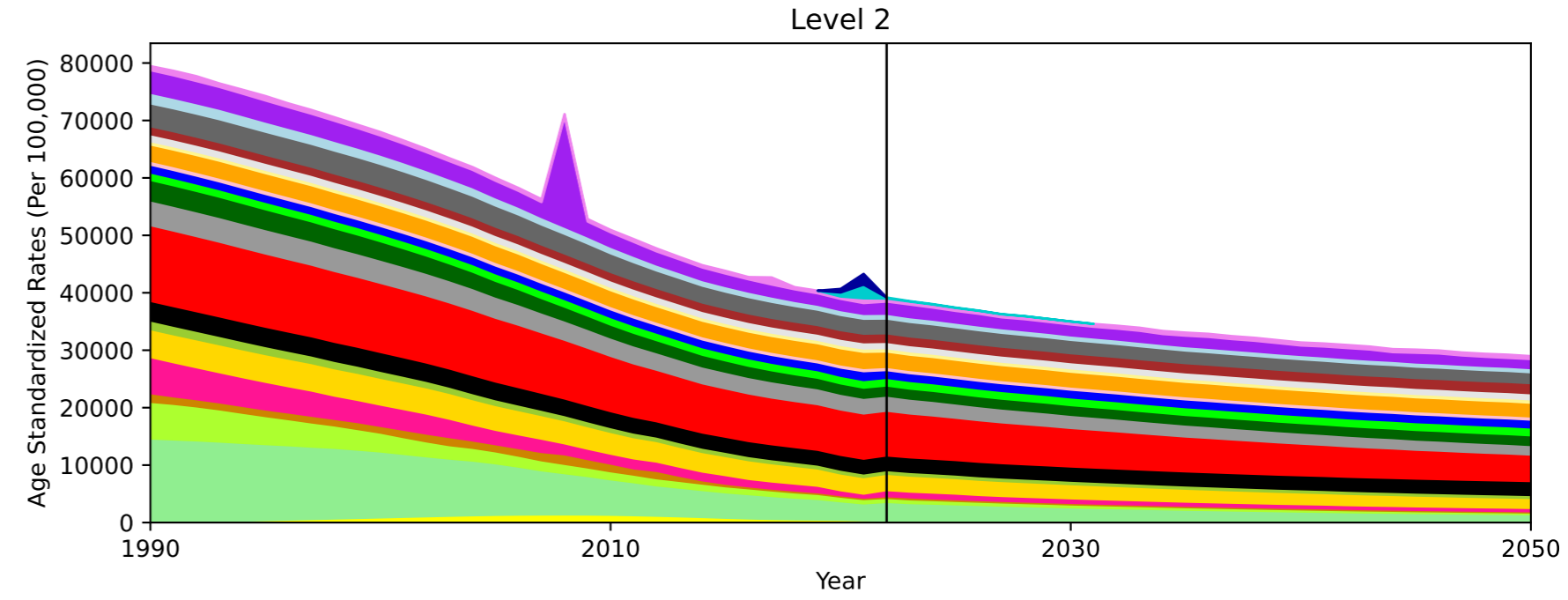
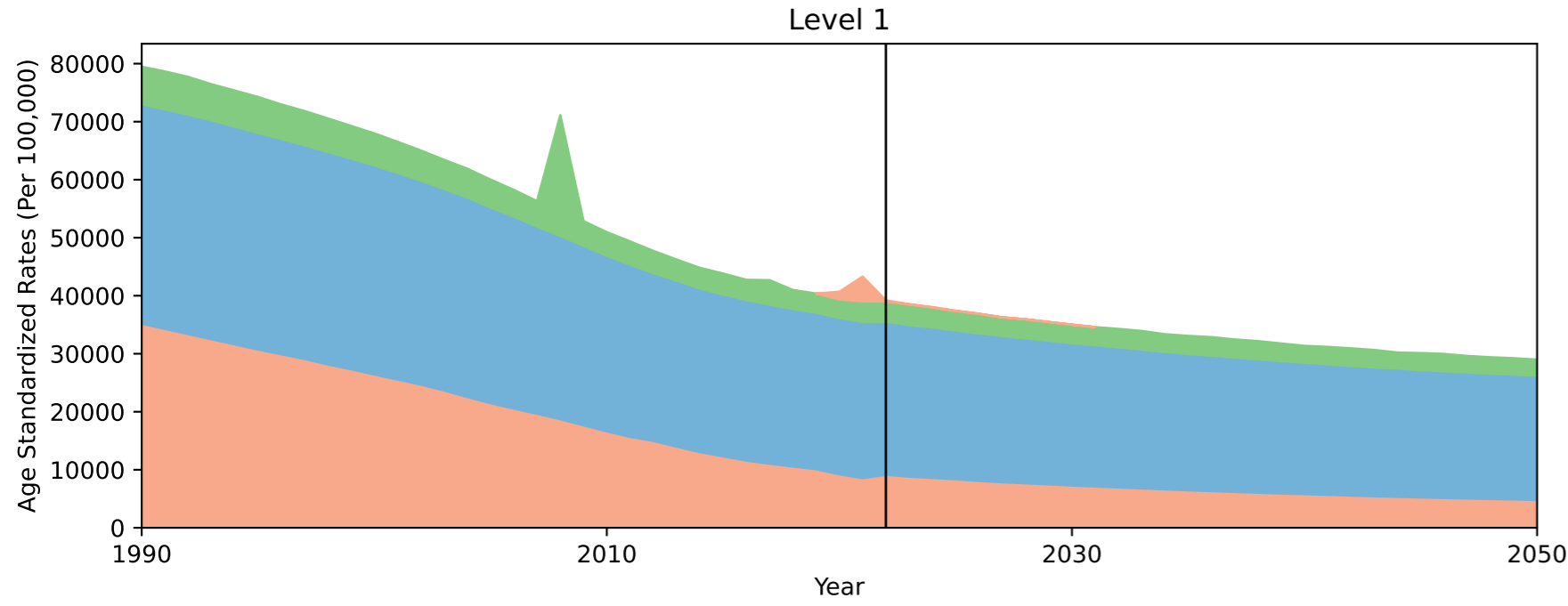
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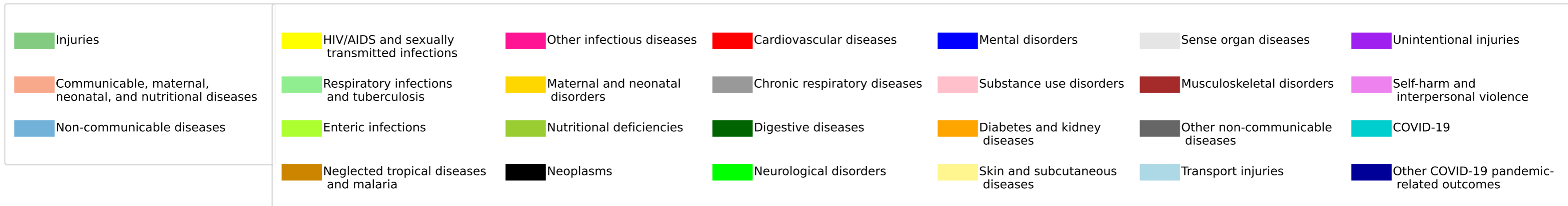
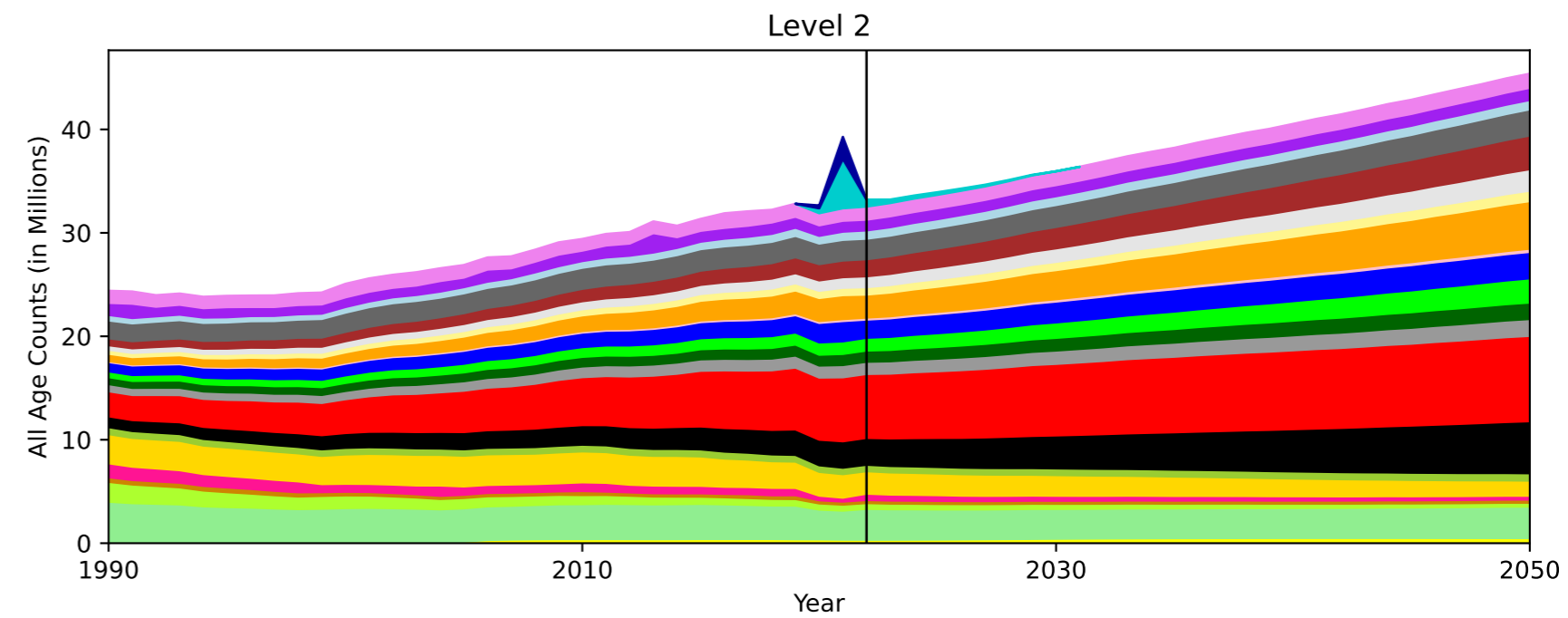
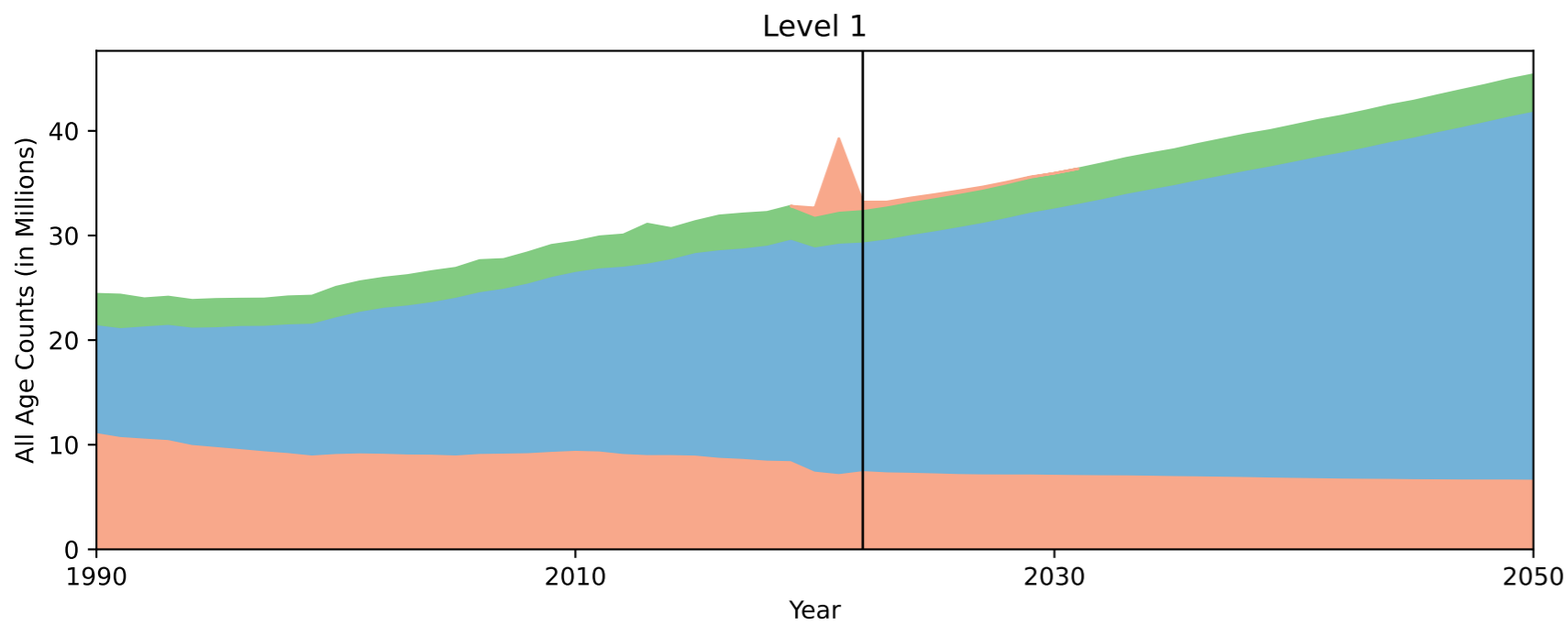
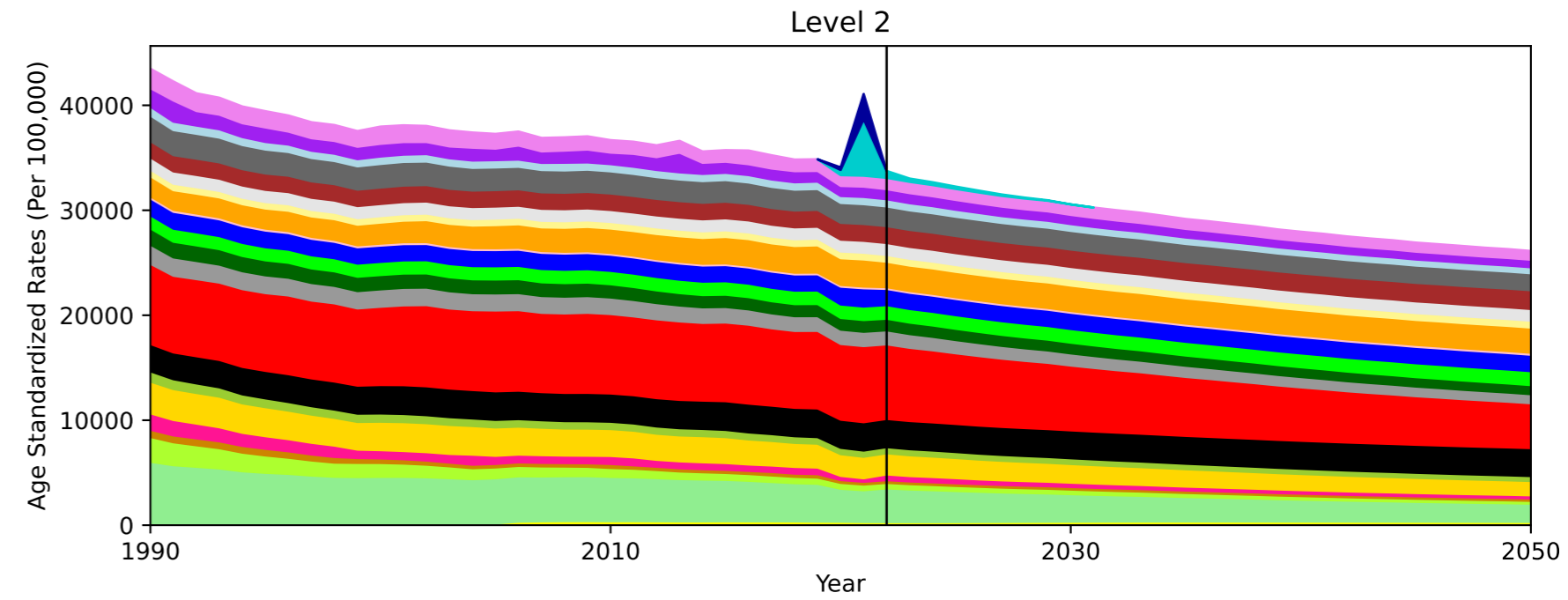
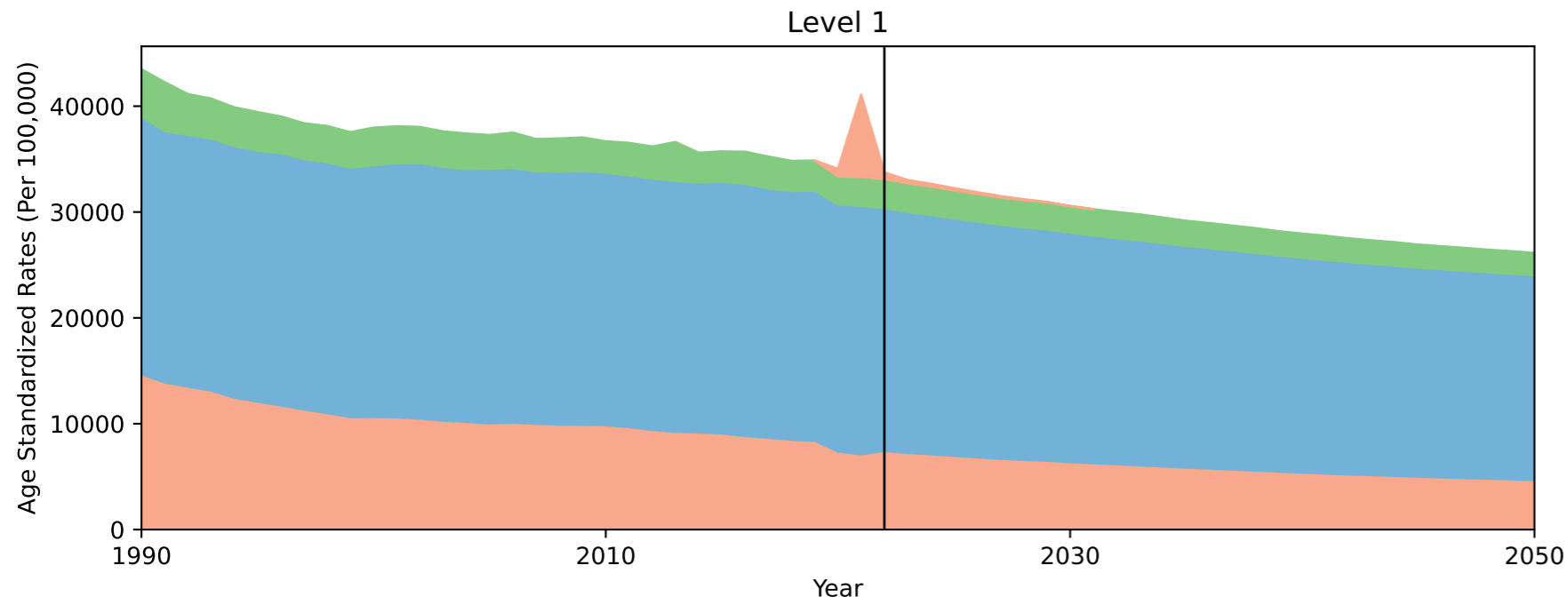
# Mauritius



# Myanmar



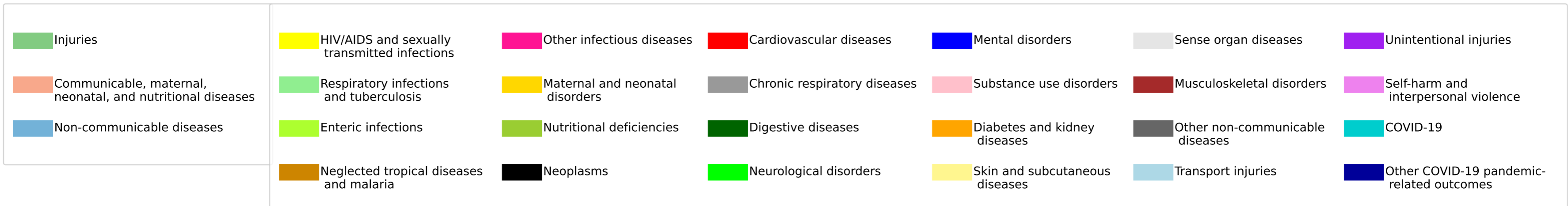
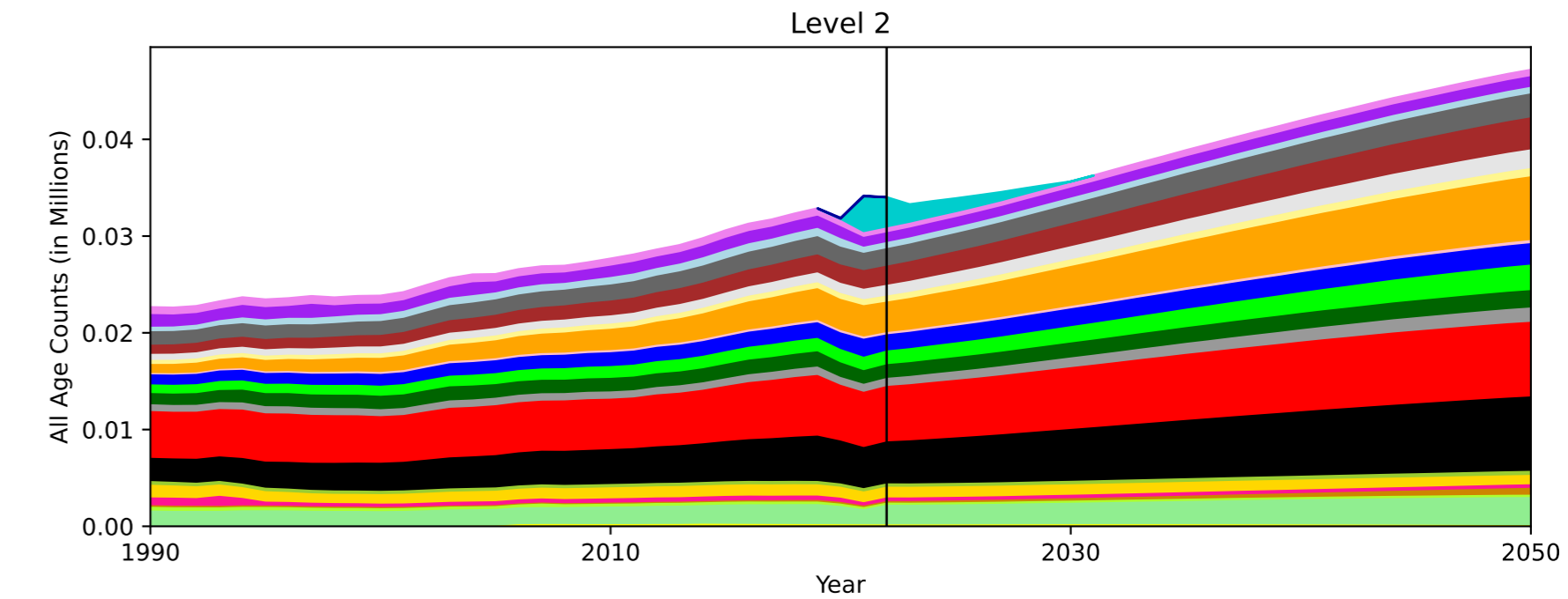
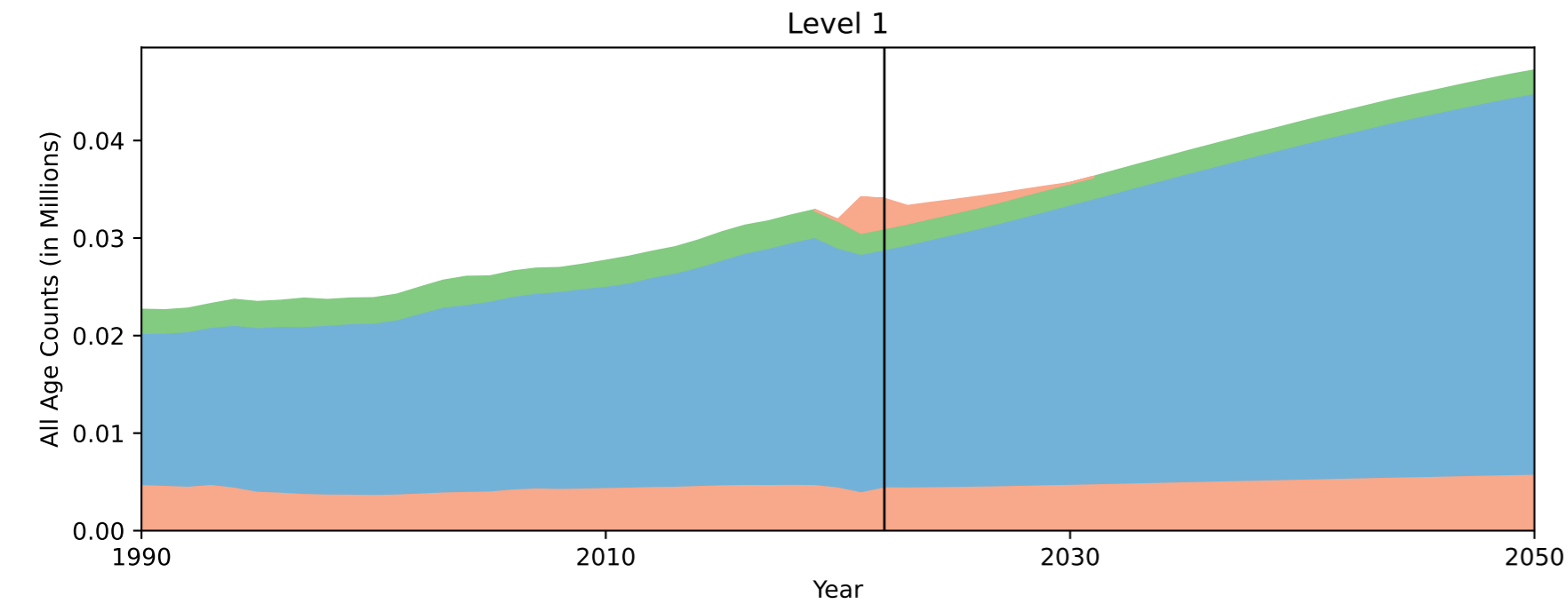
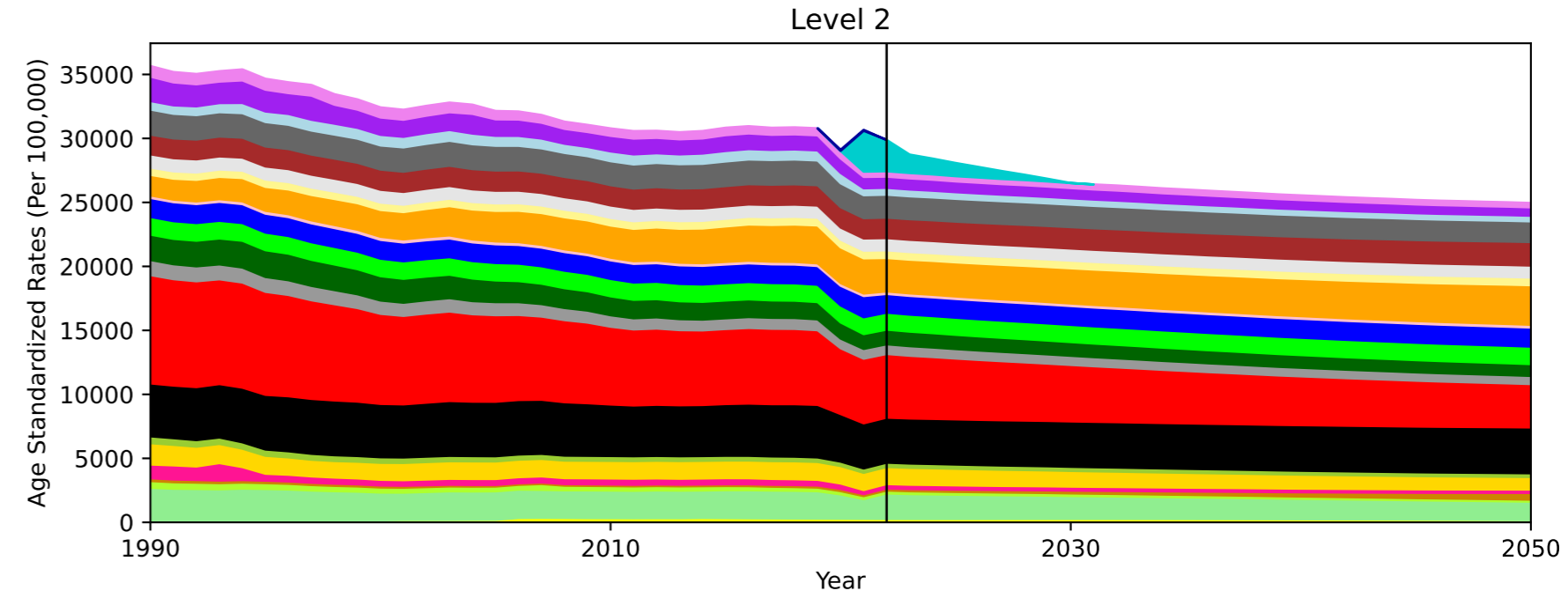
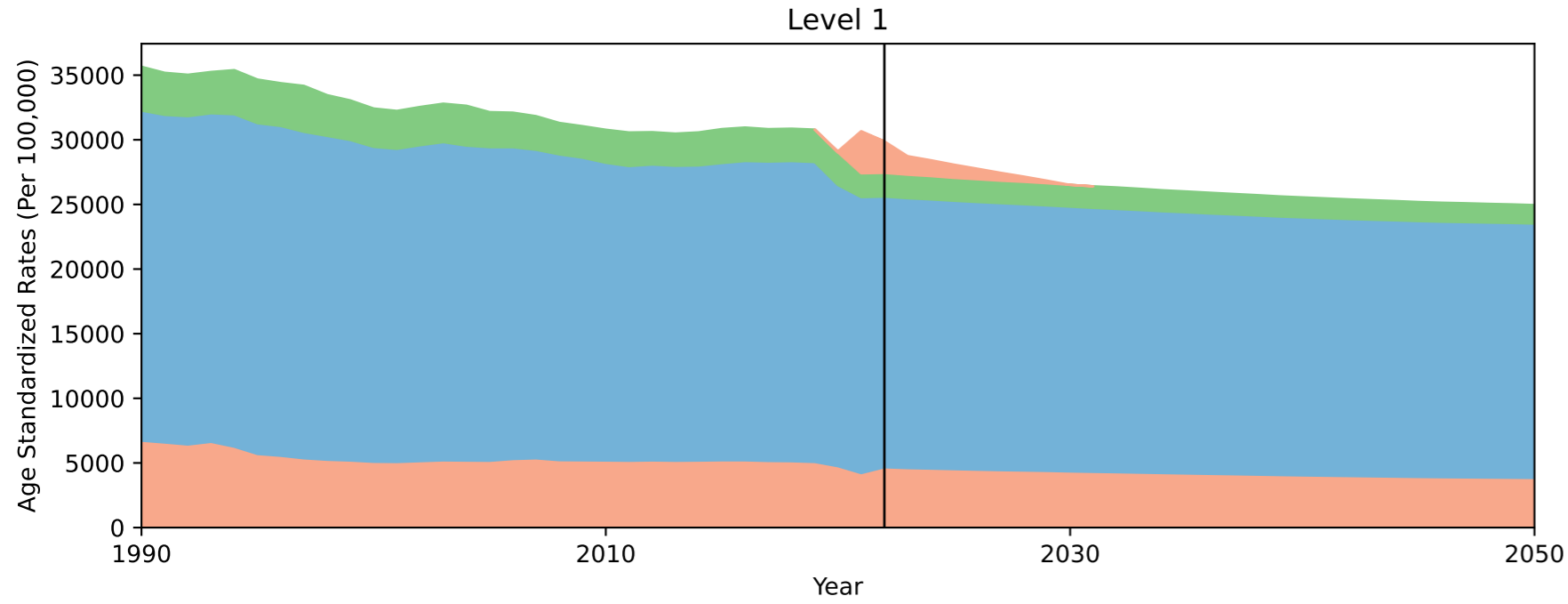
# Philippines



# Seychelles

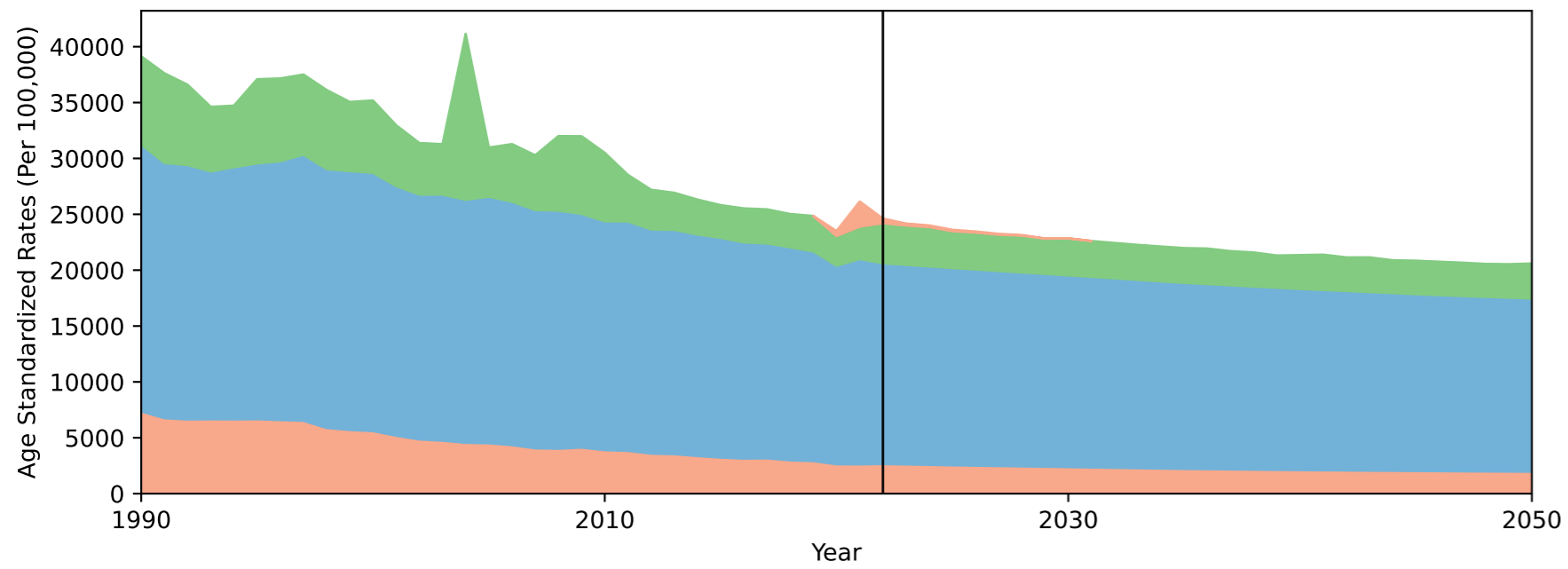
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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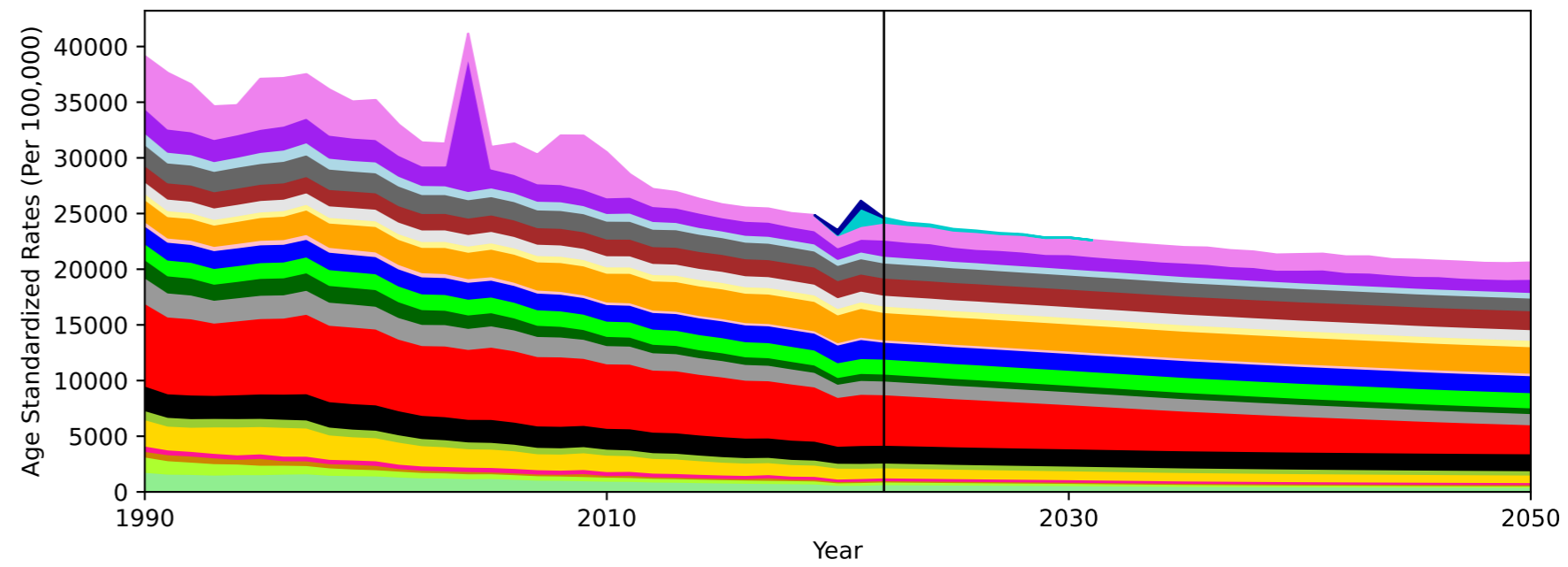


# Sri Lanka

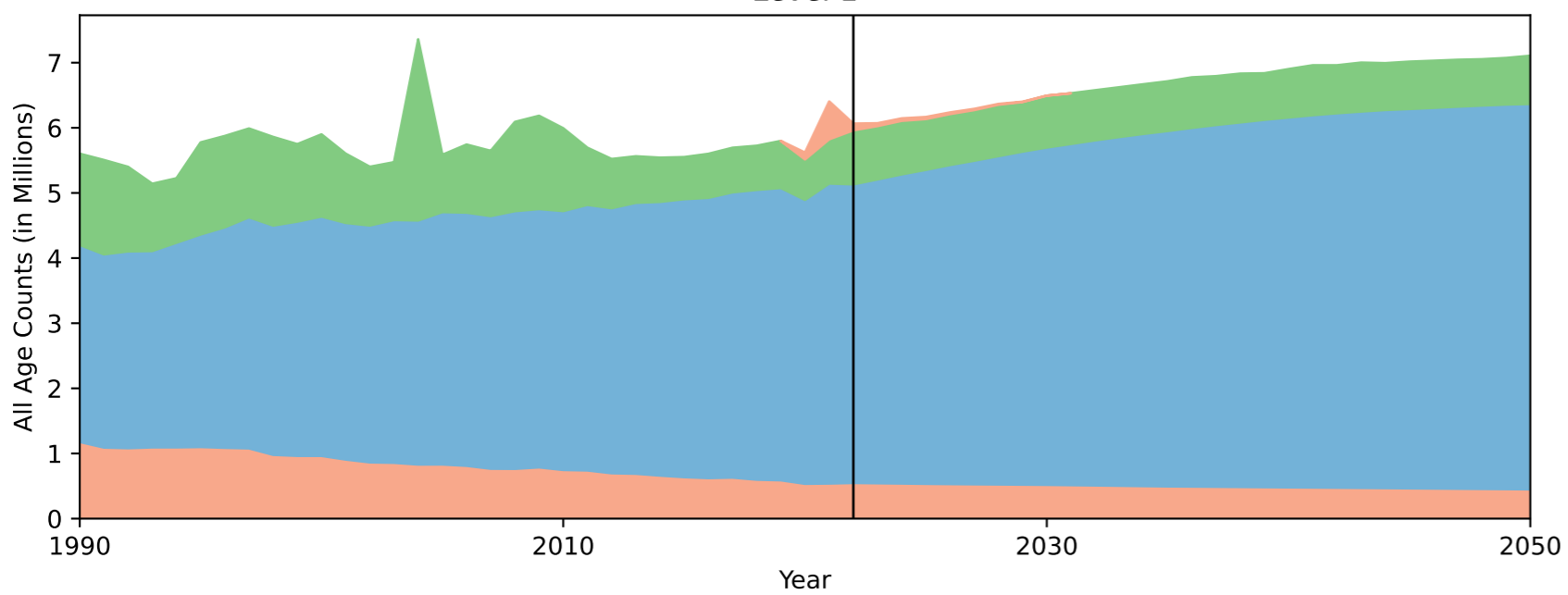
Level 1



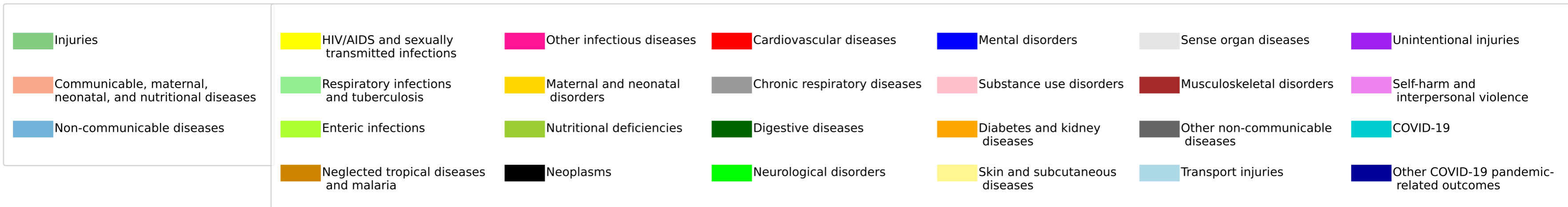
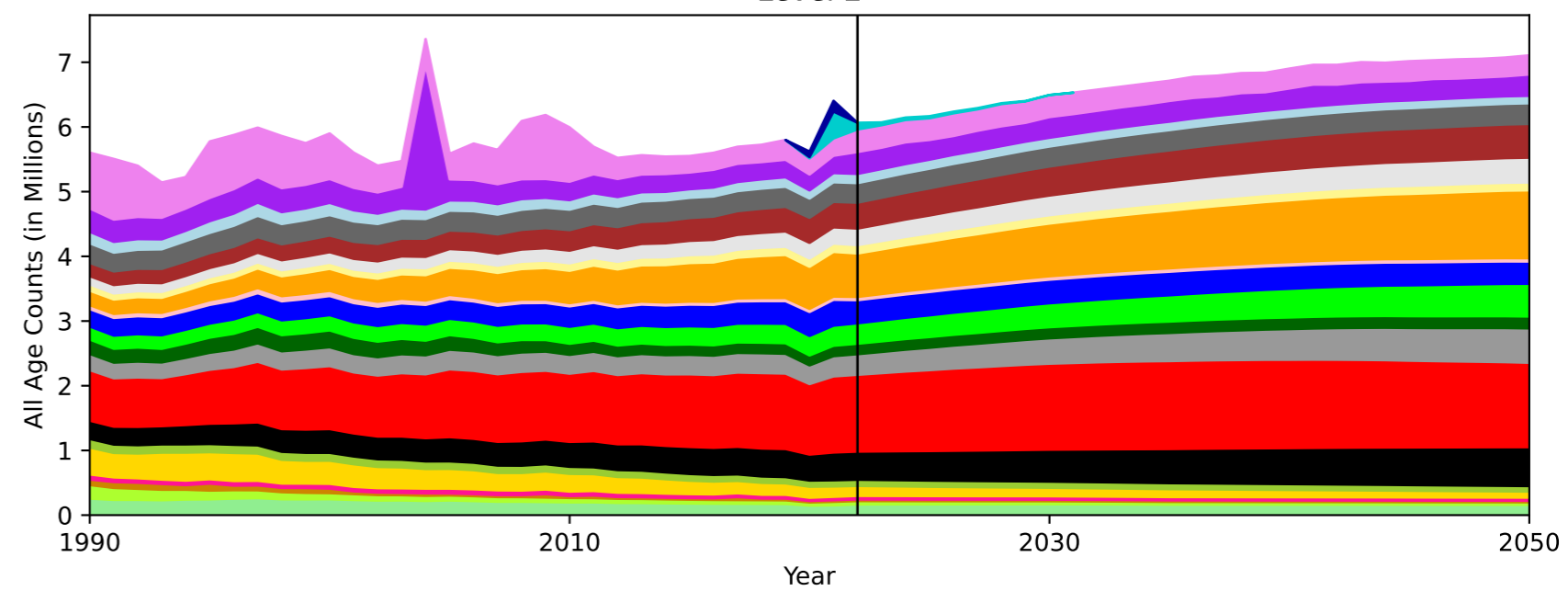
Level 2



Level 1

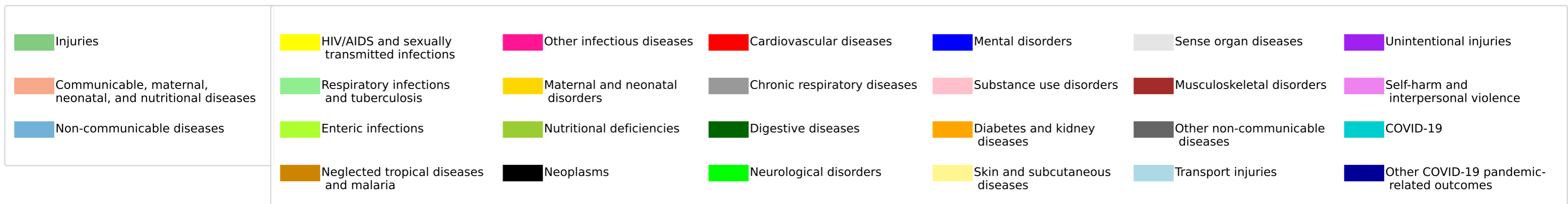
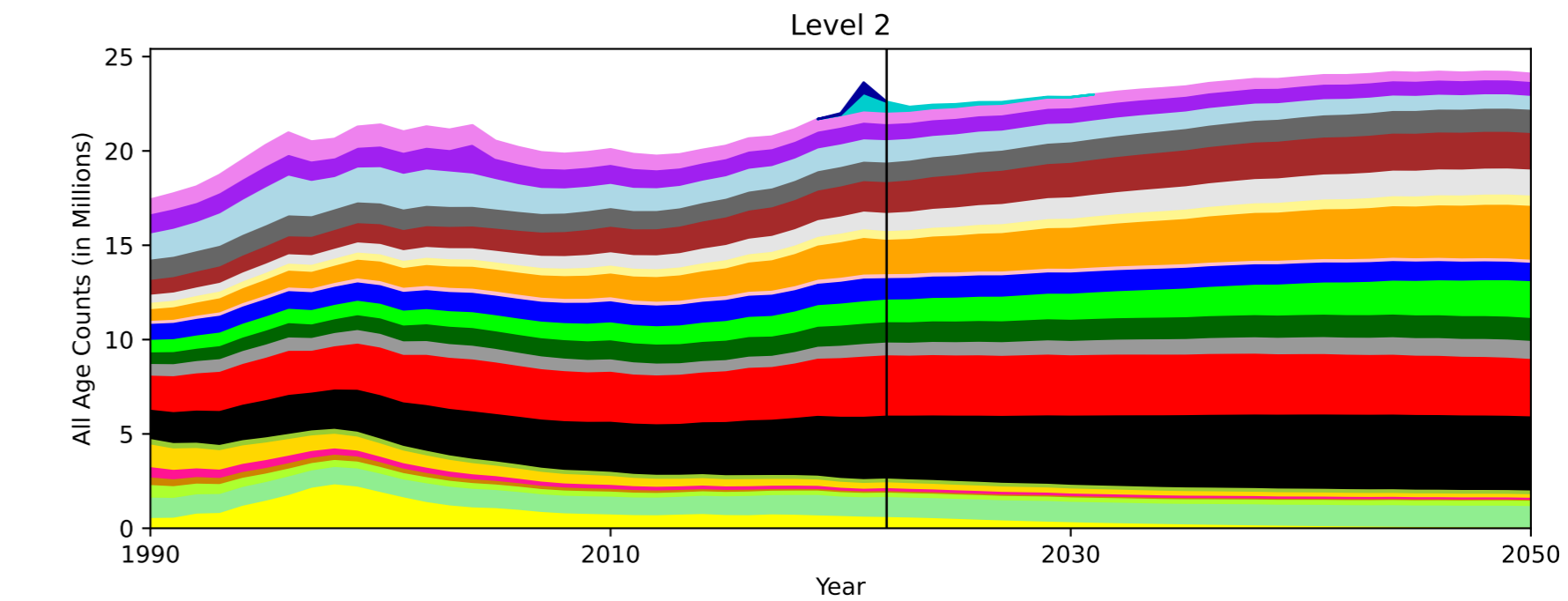
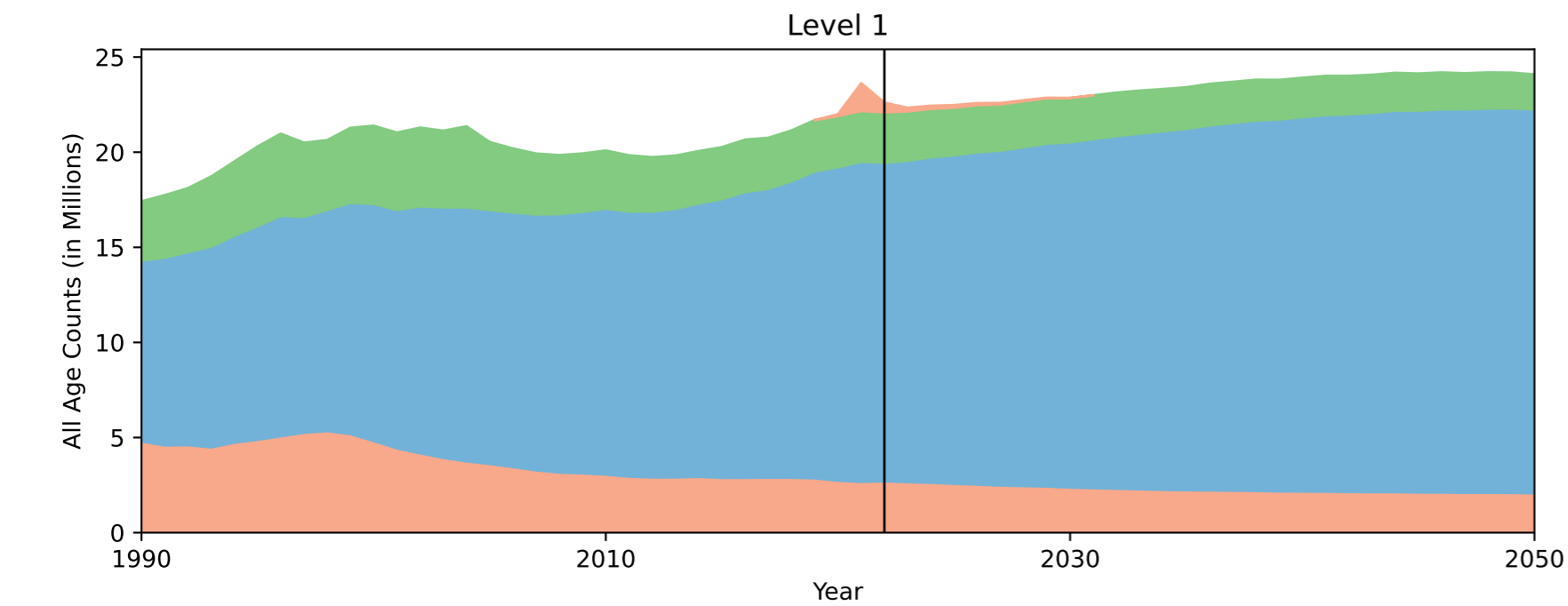
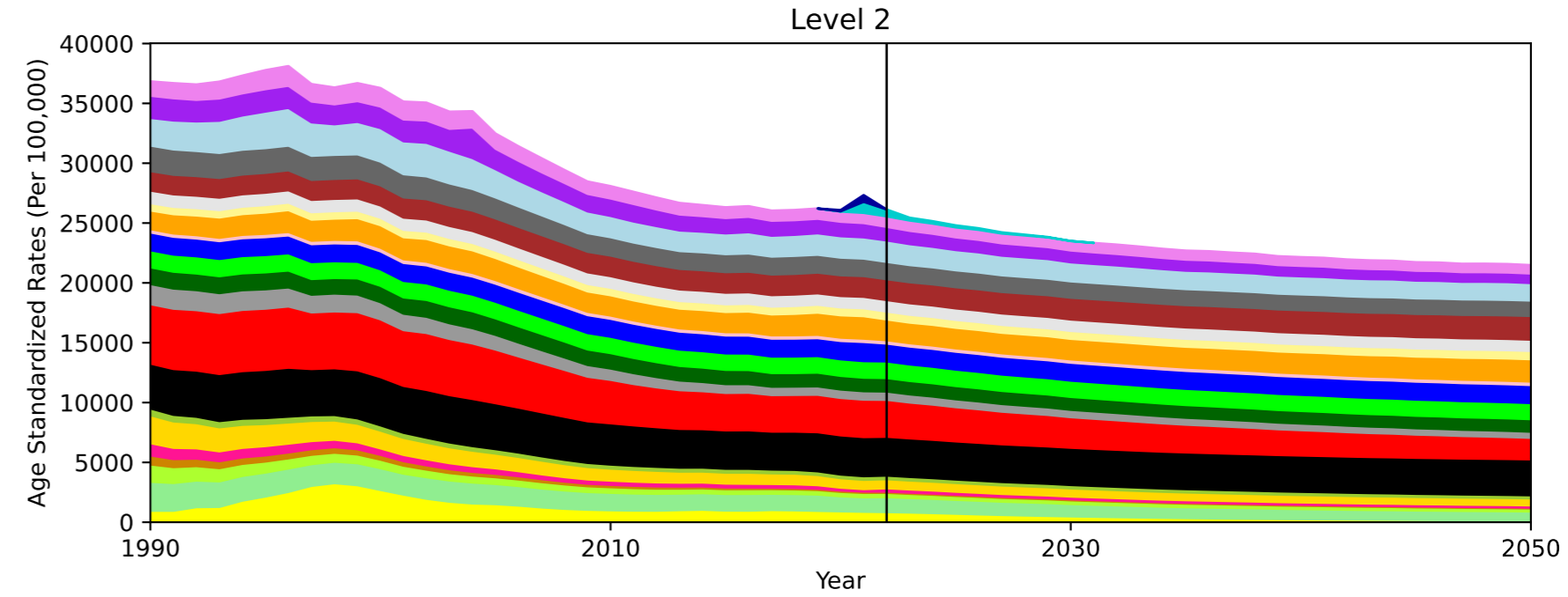
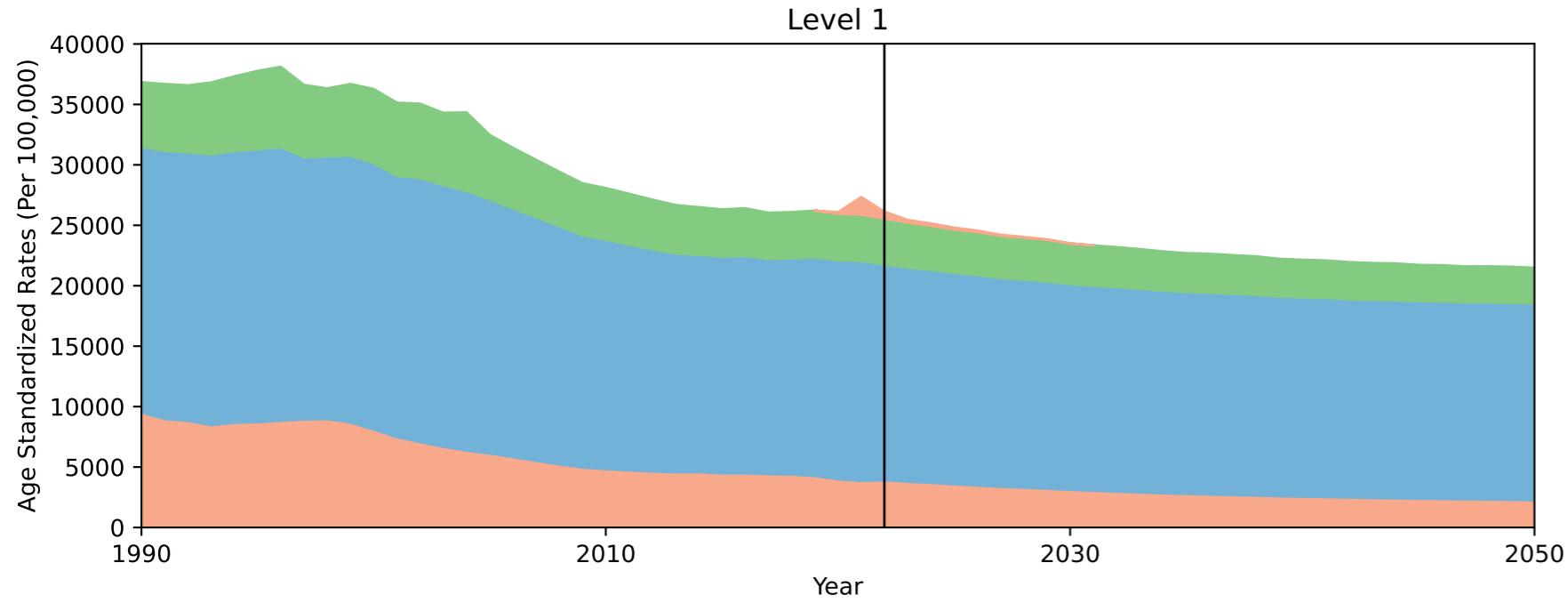


Level 2



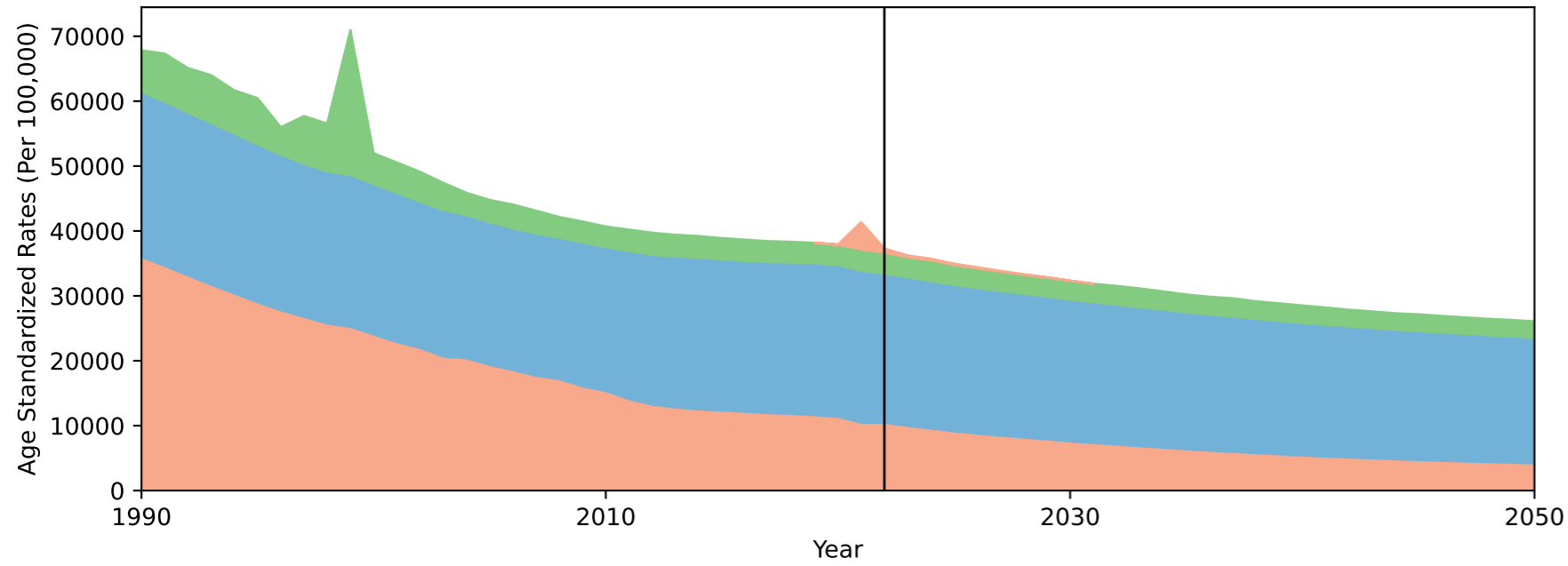


# Thailand

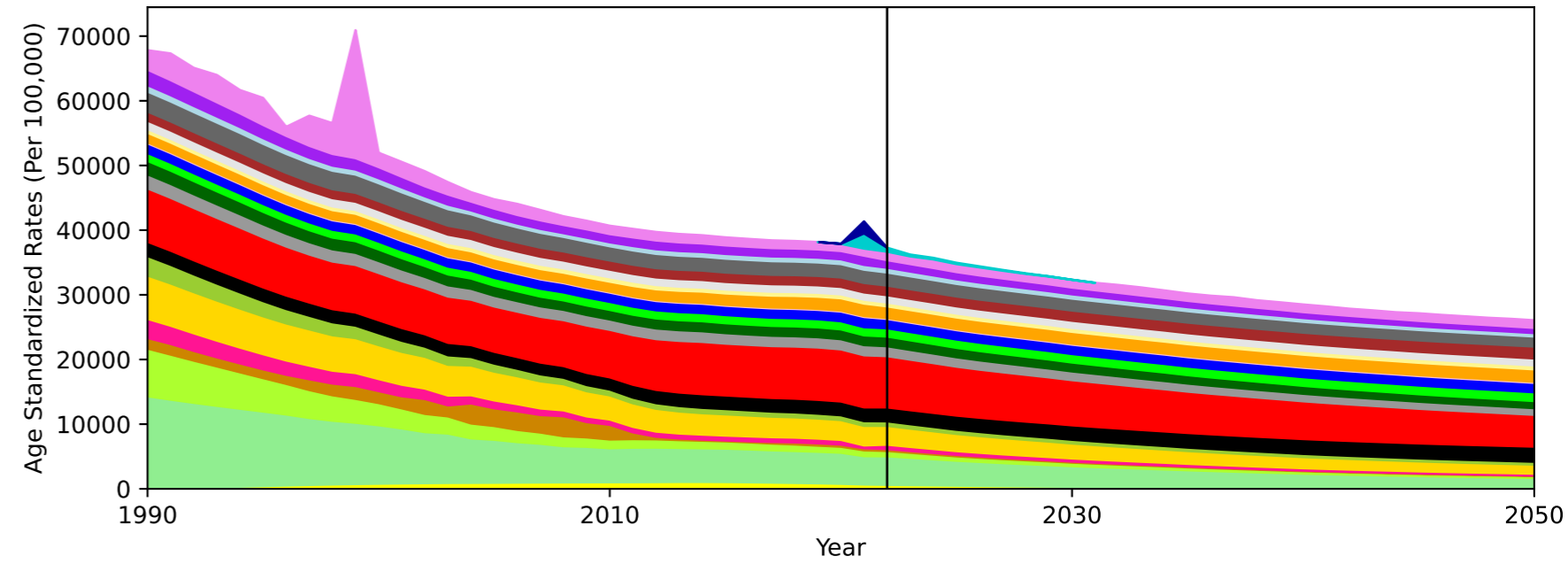


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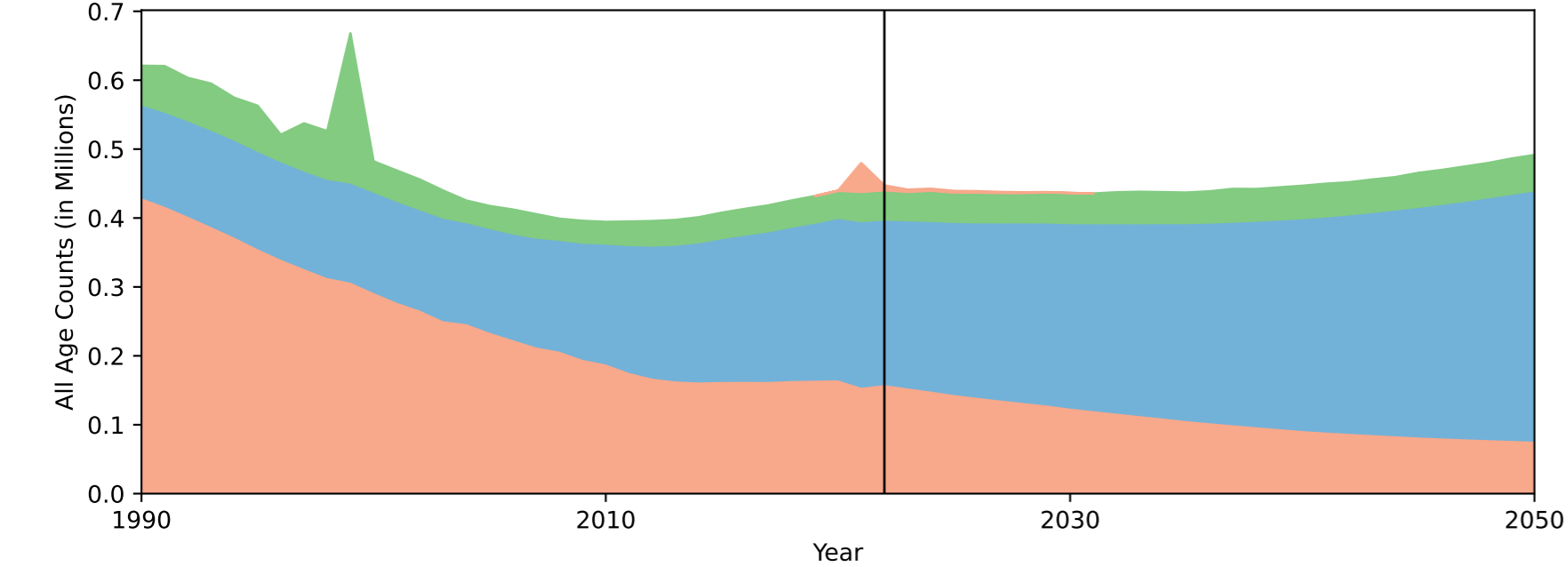
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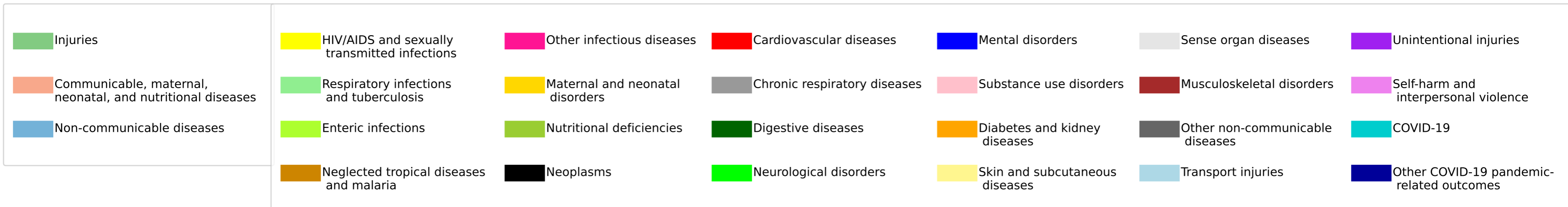
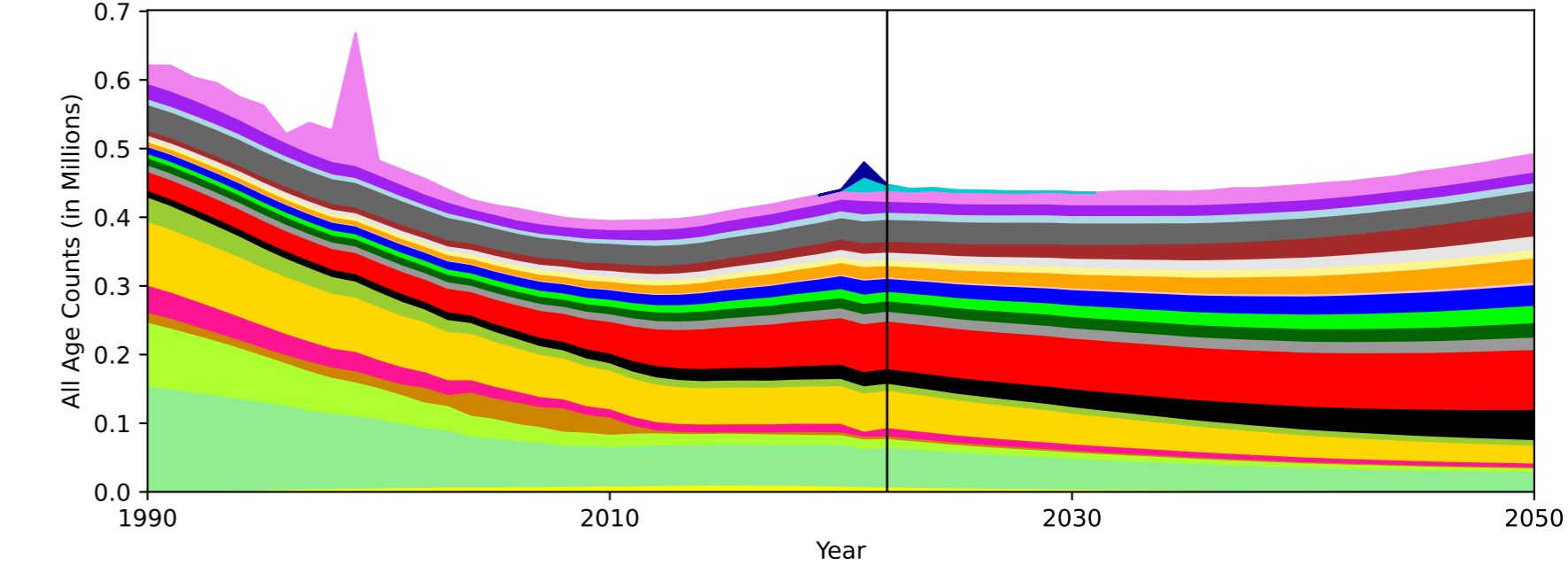
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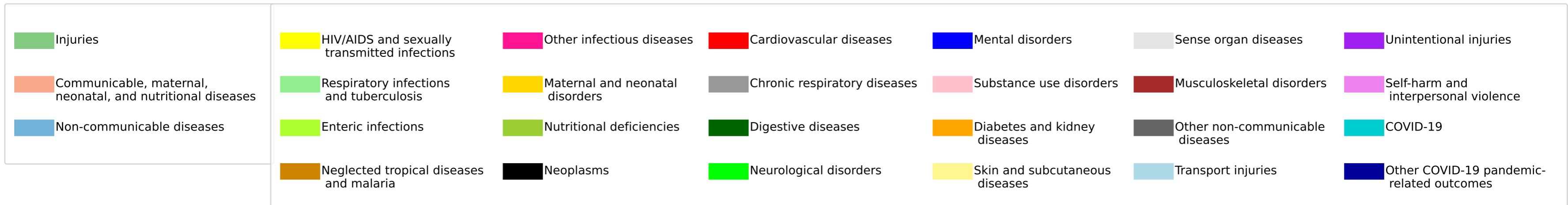
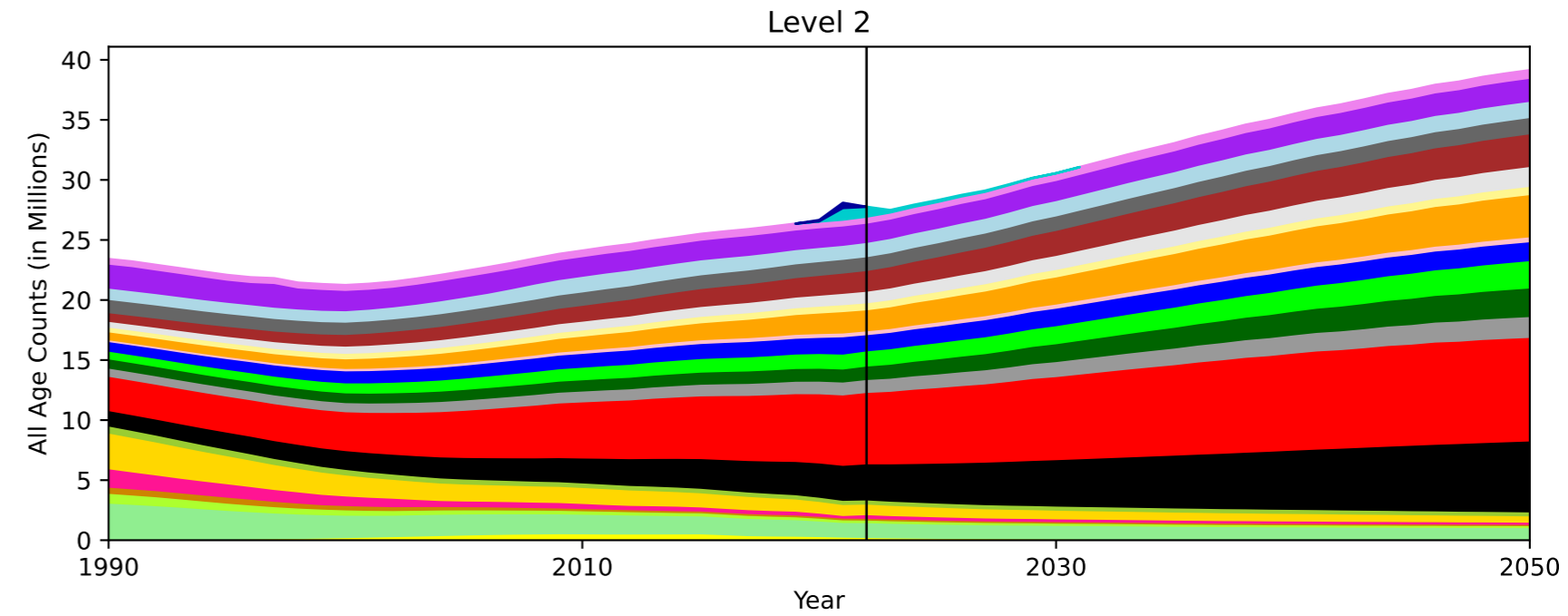
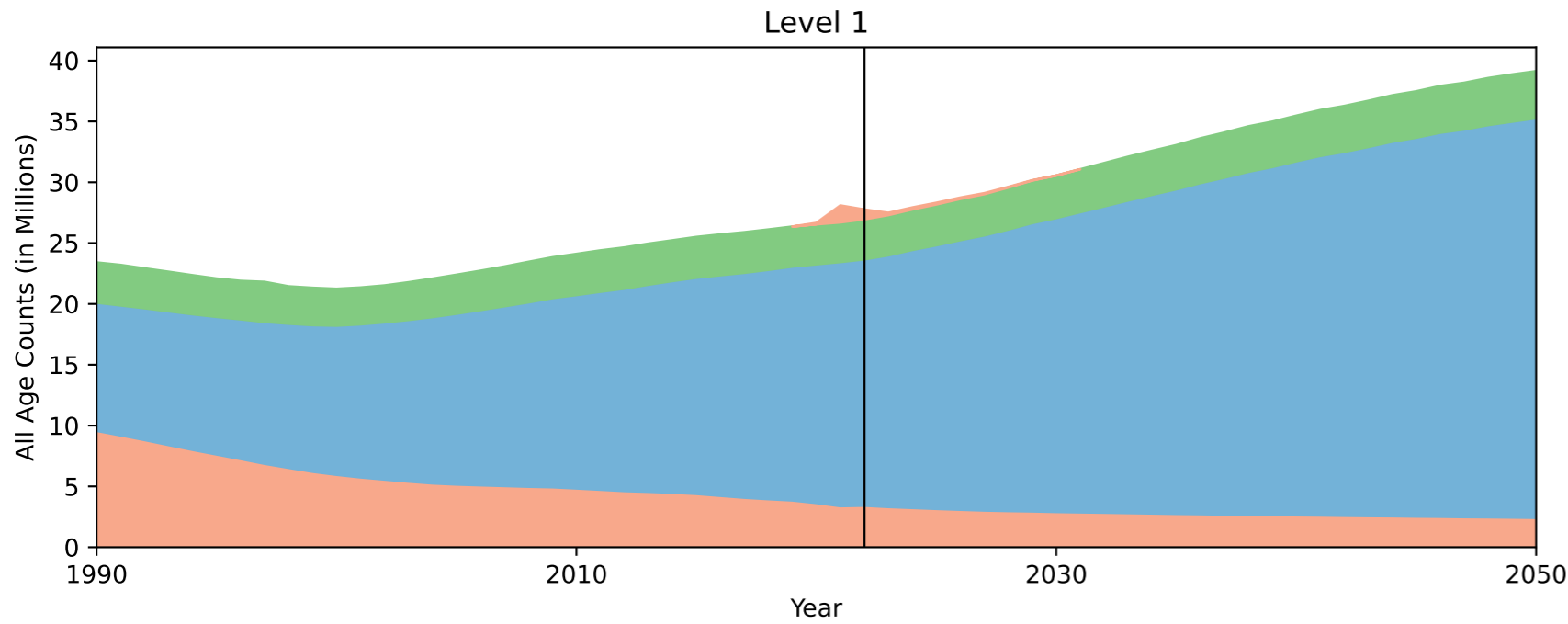
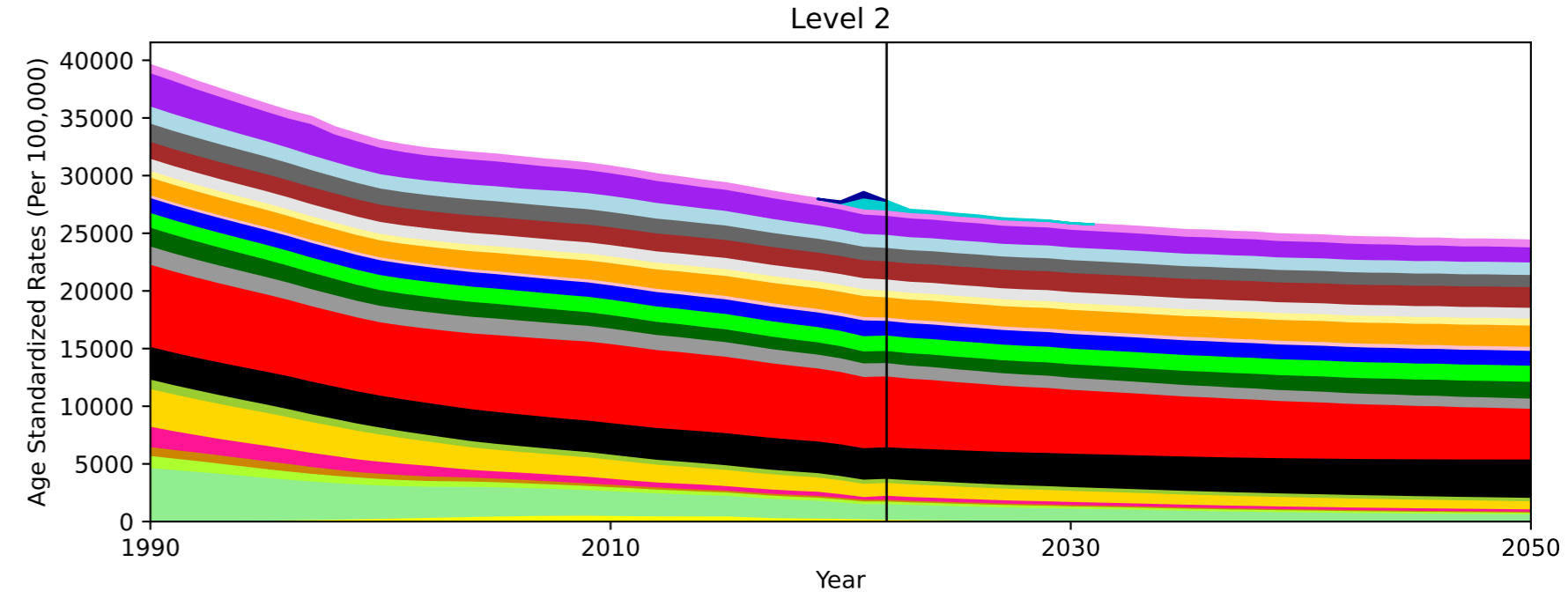
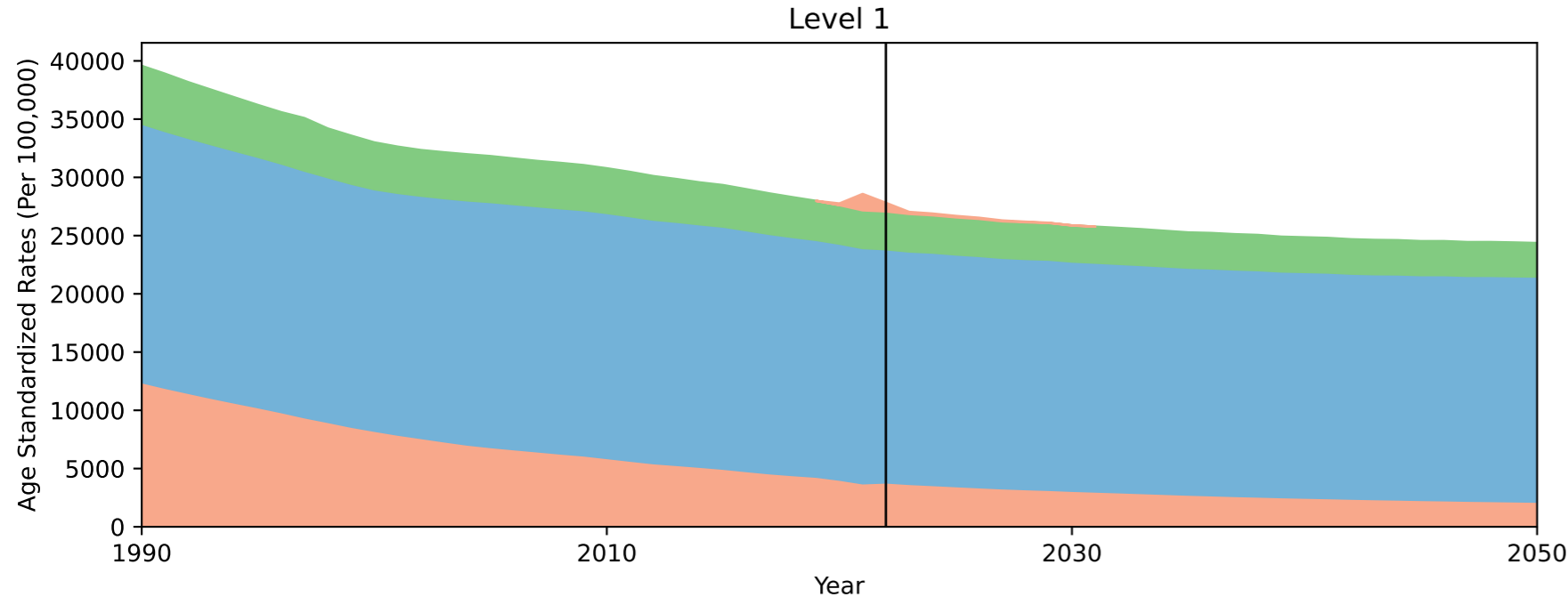
Level 1



Level 2

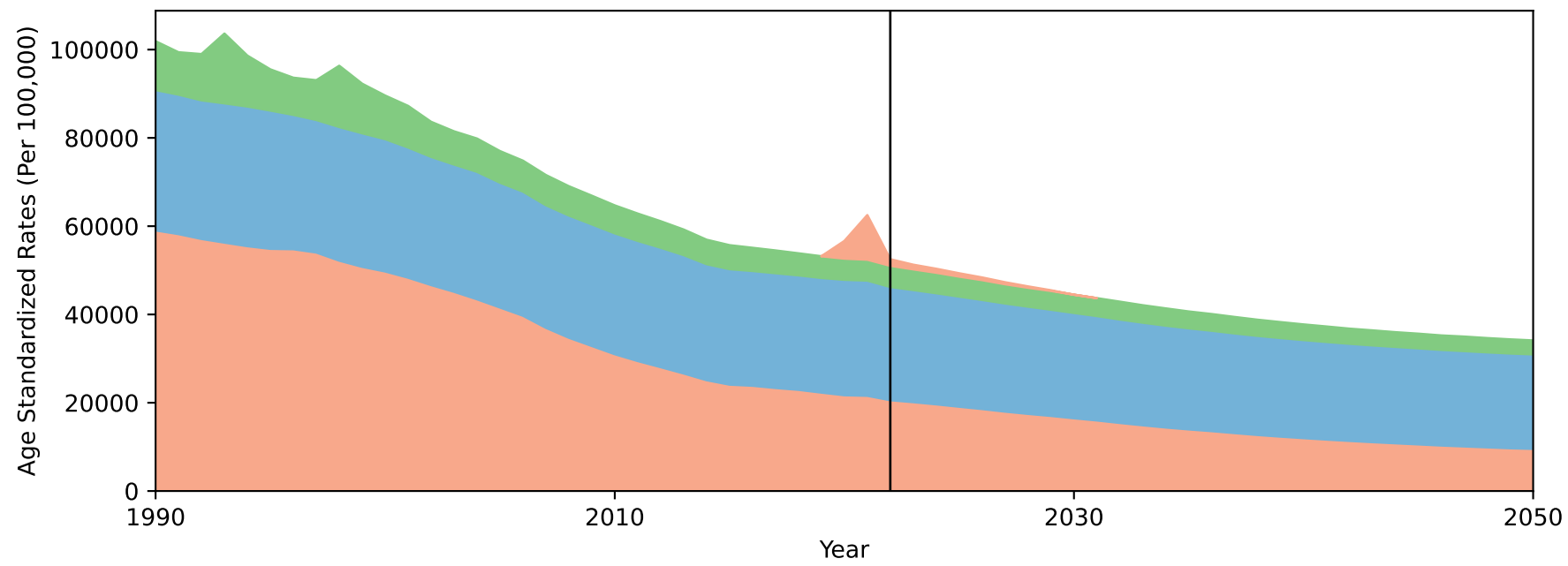


# Viet Nam

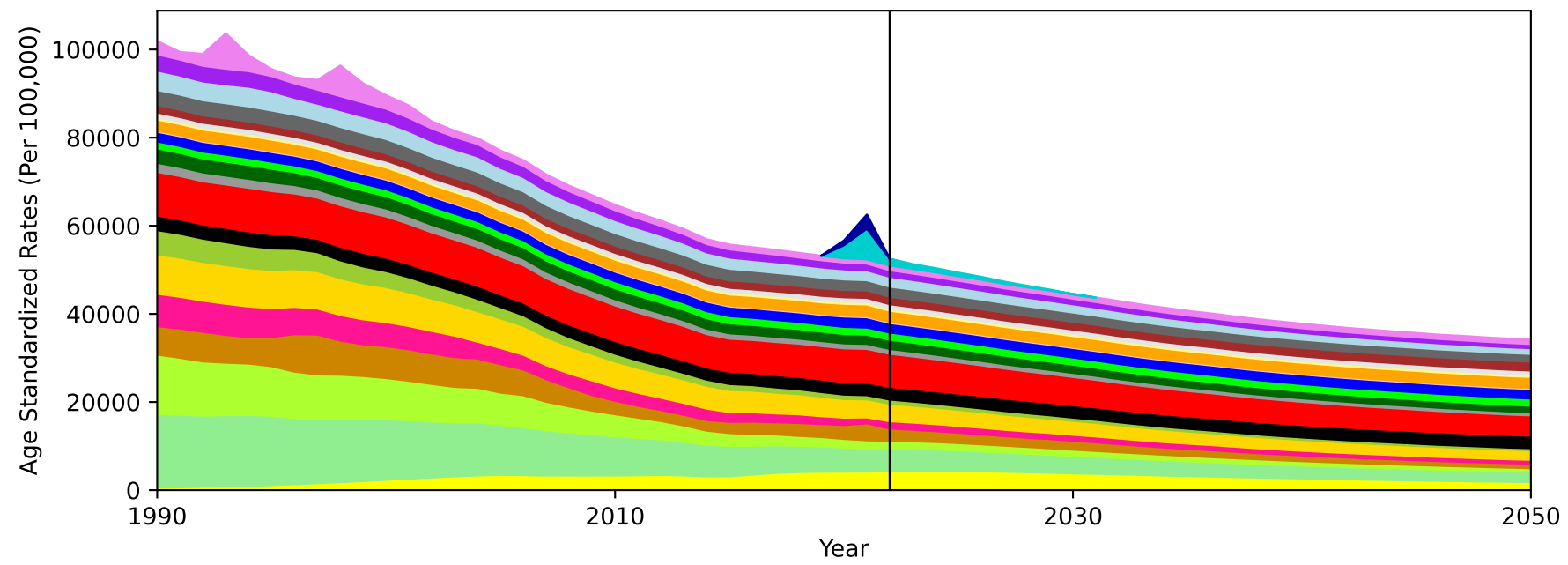


# Angola

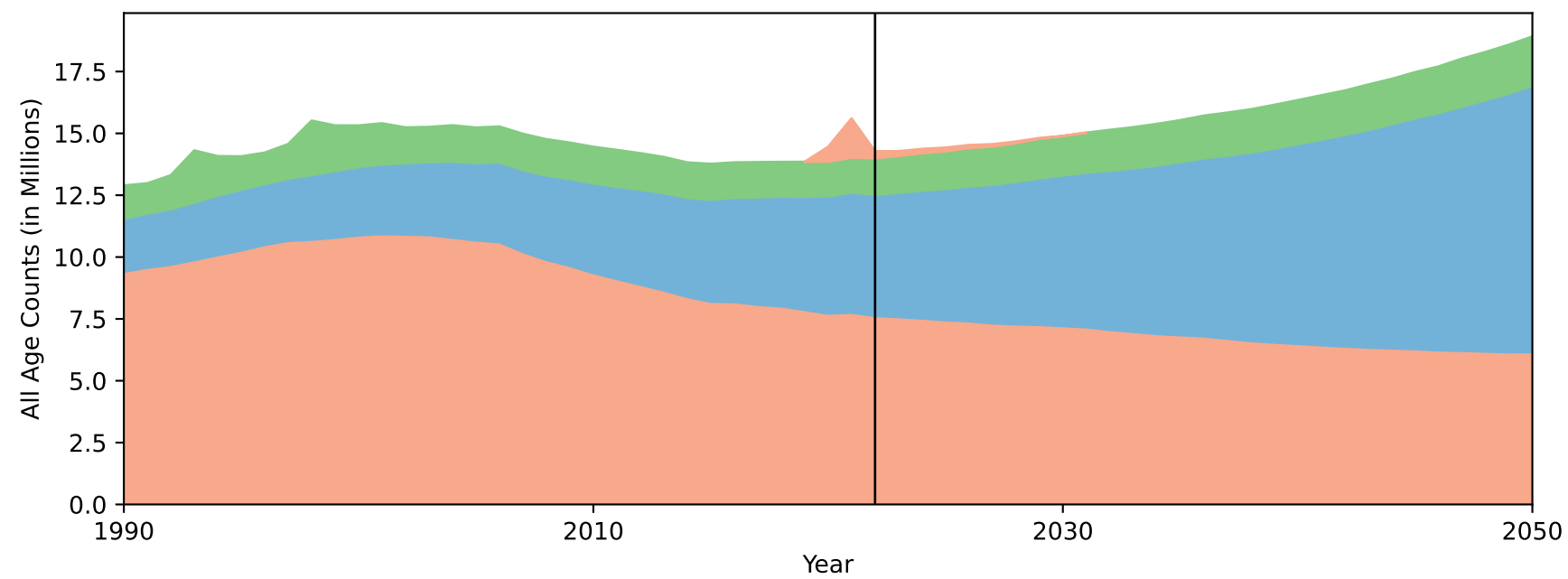
Level 1



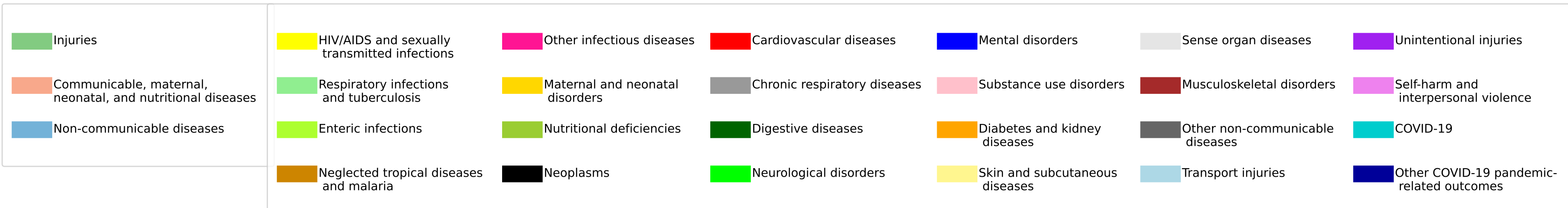
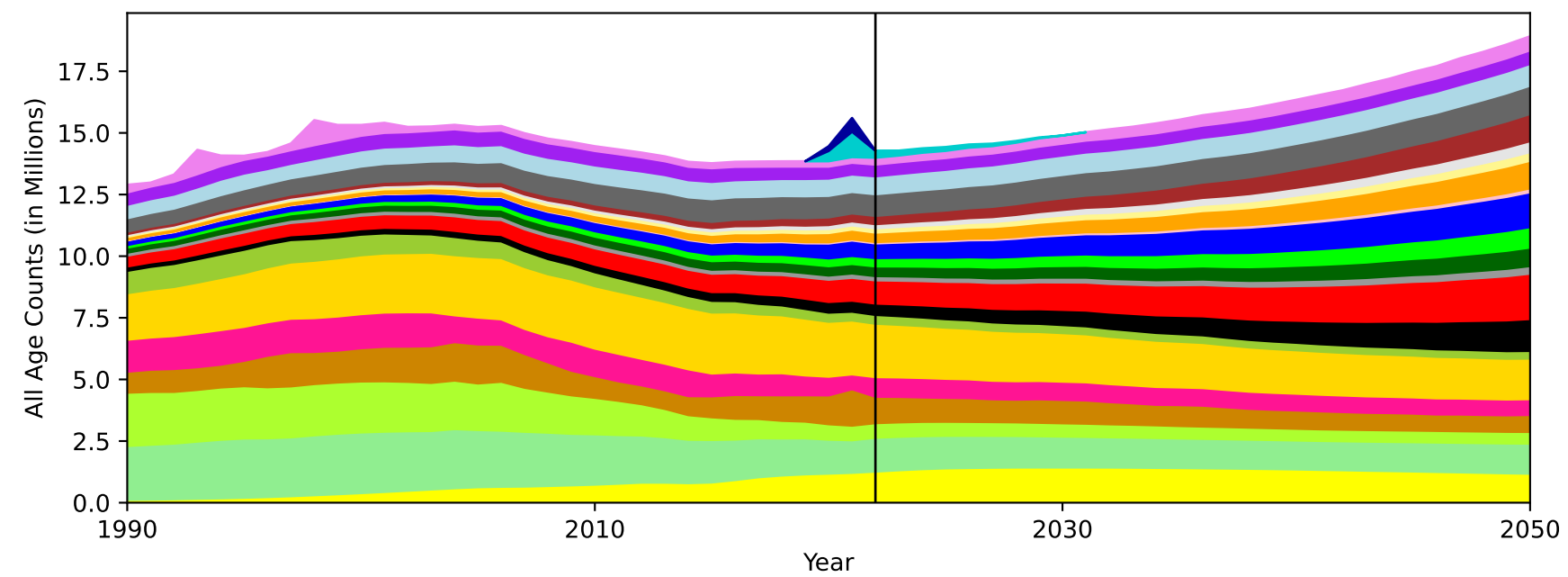
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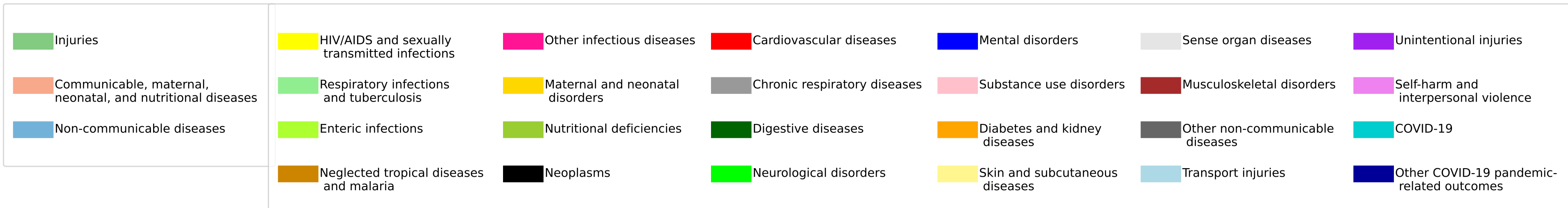
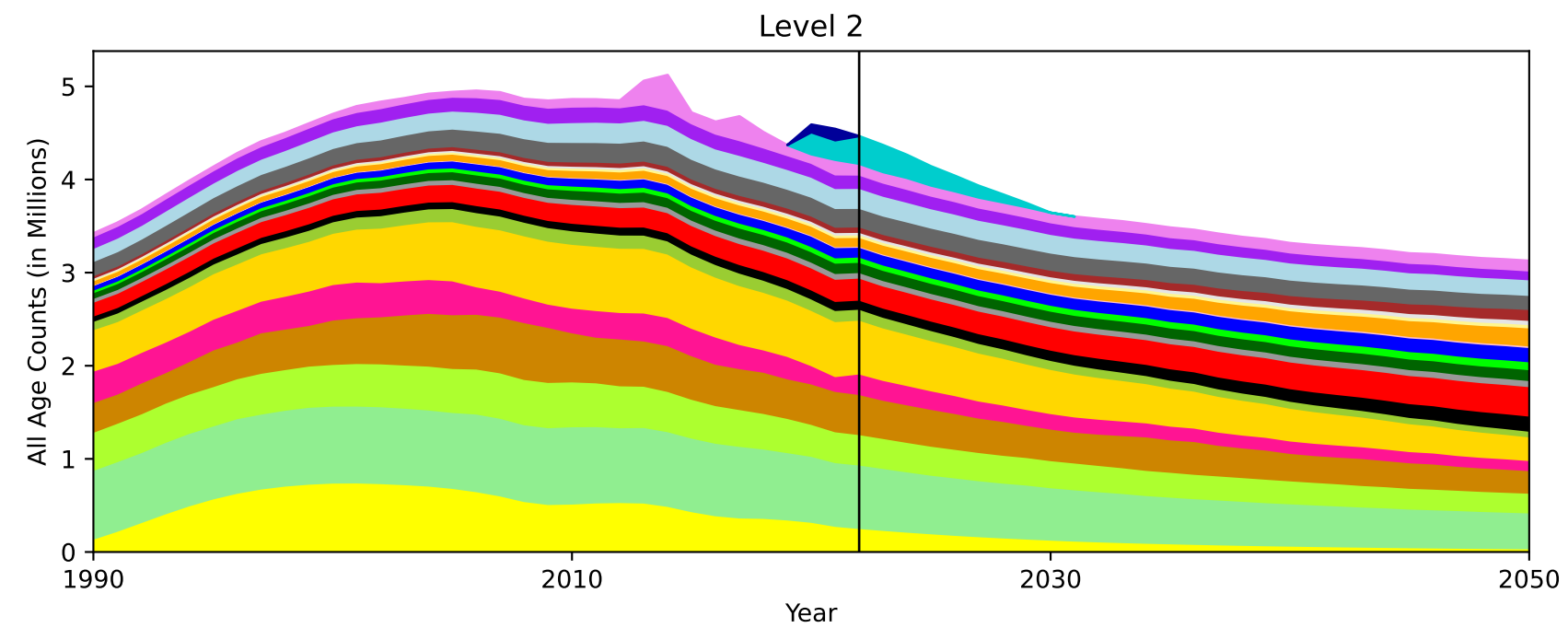
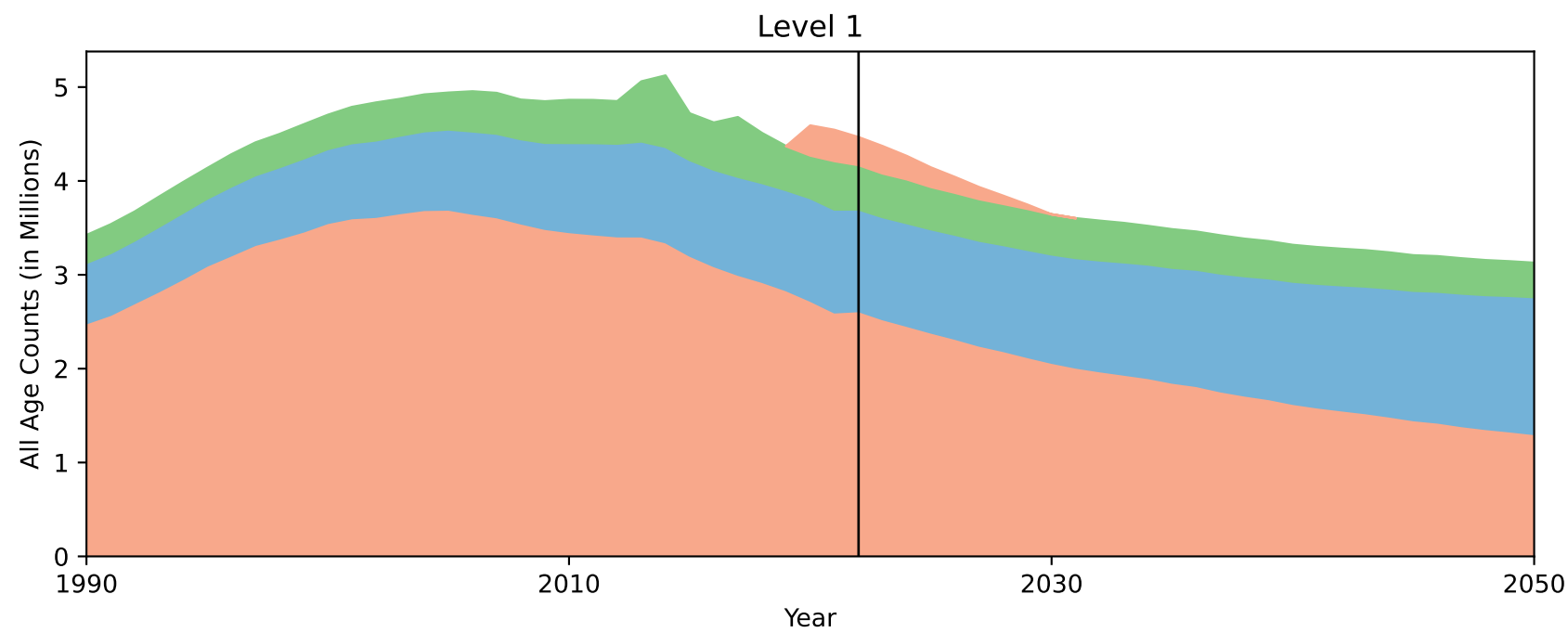
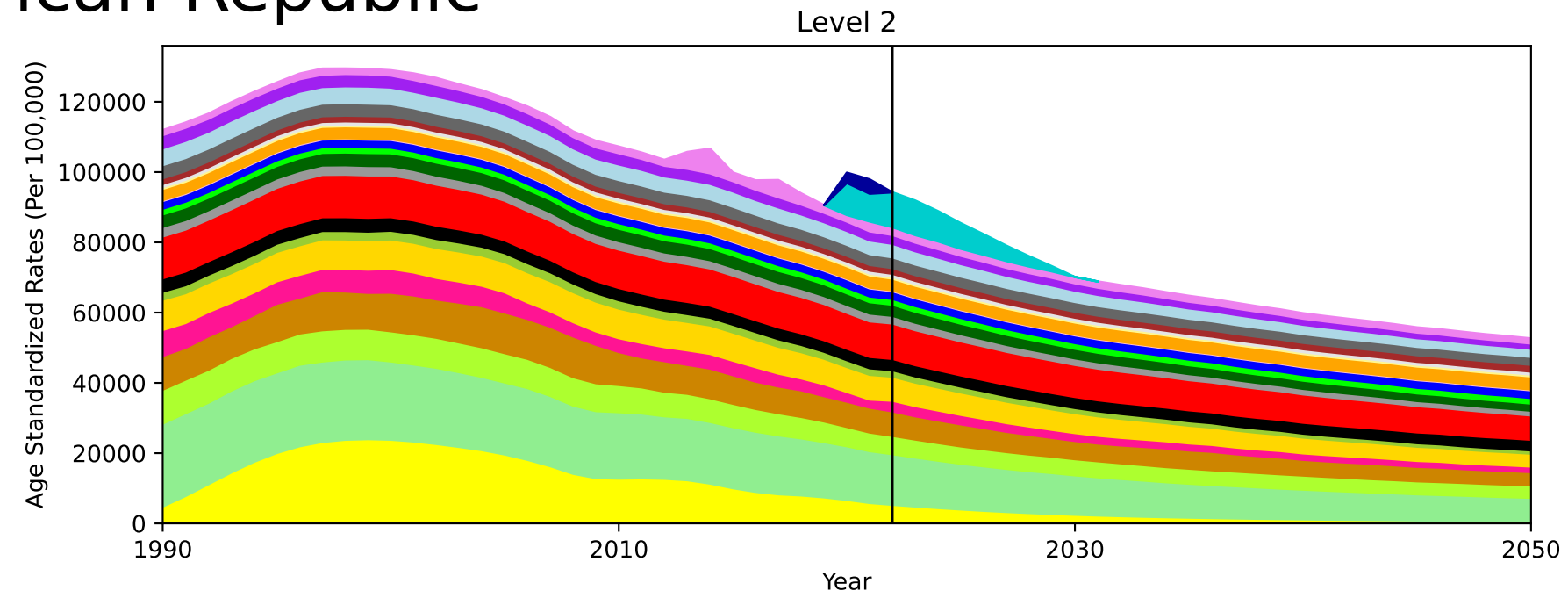
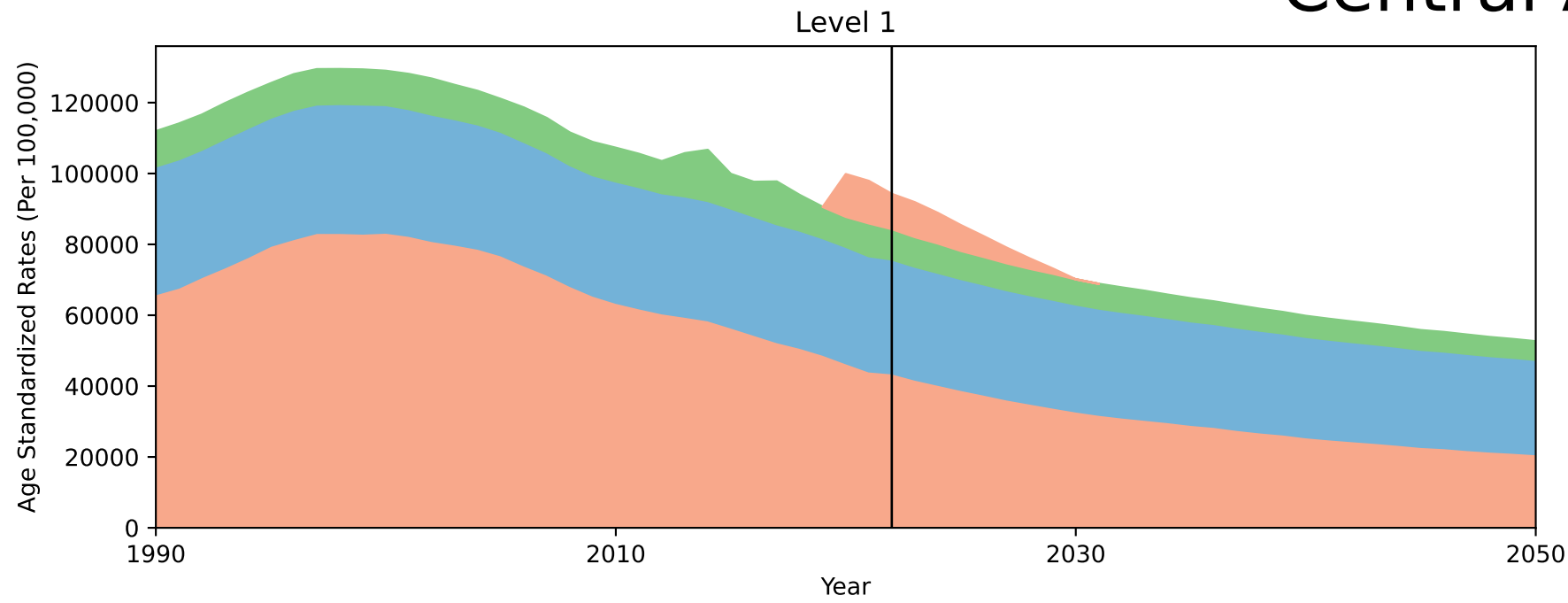
Level 1



Level 2



# Central African Republic

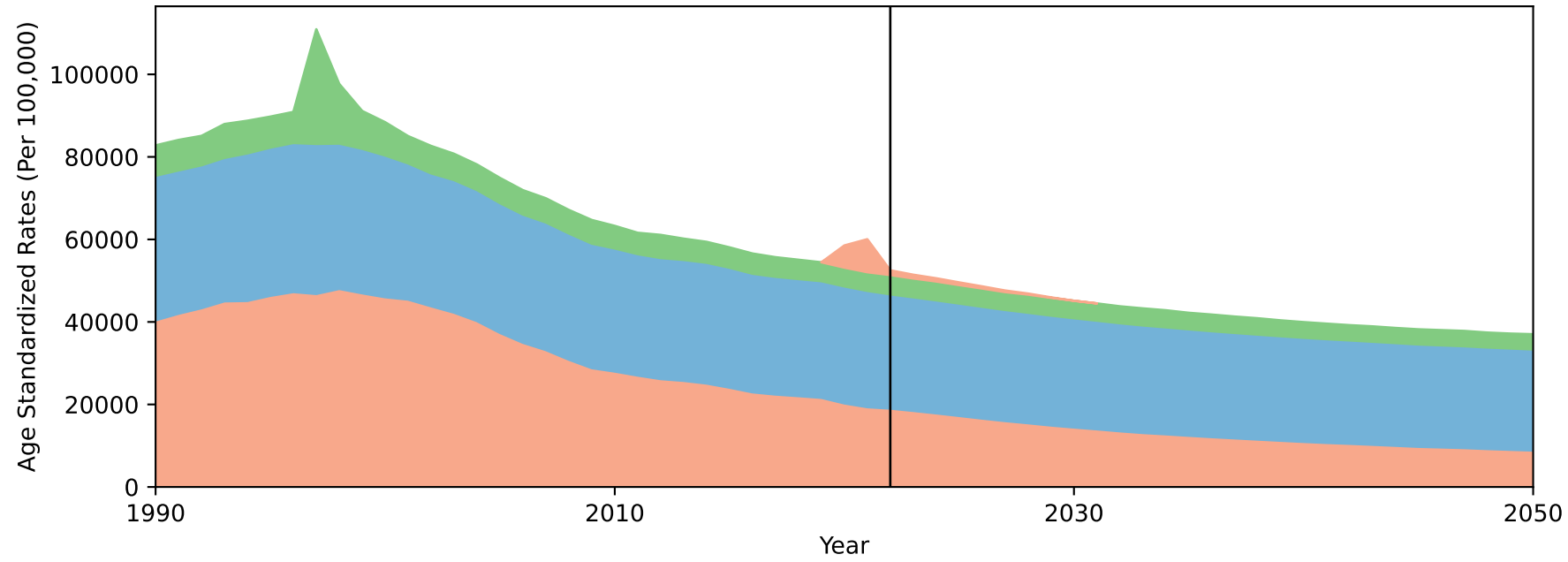


# Congo (Brazzaville)

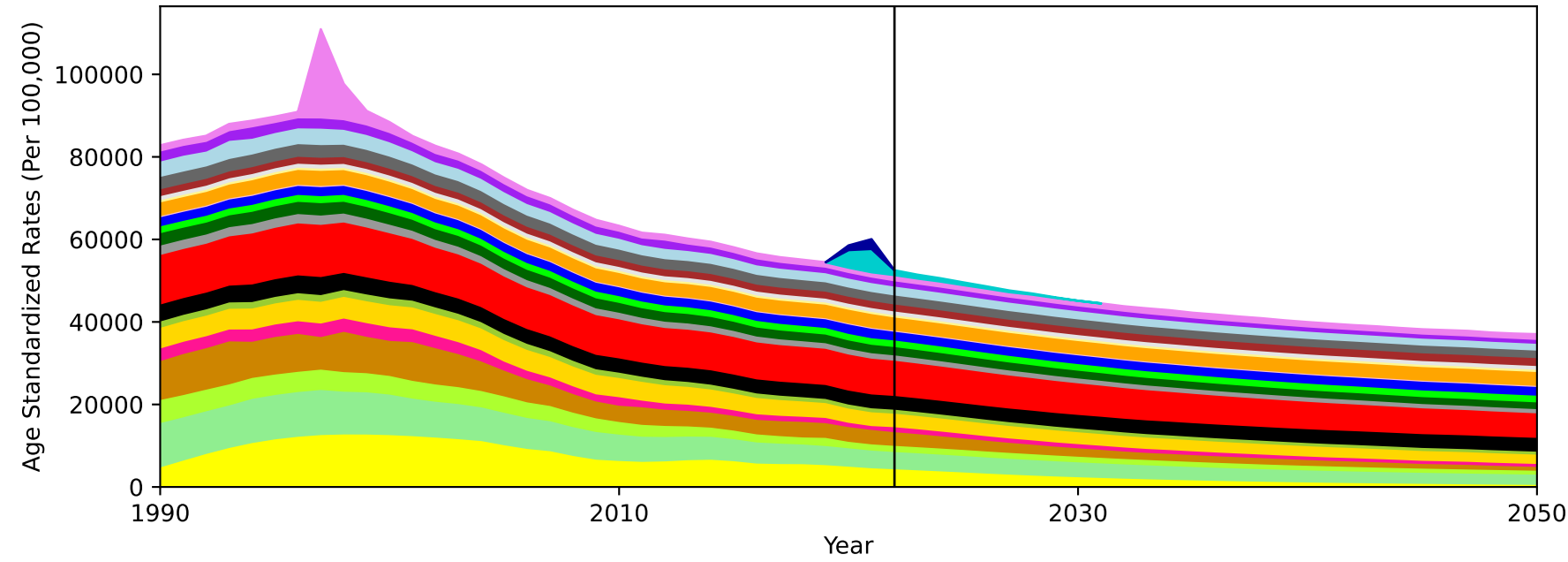
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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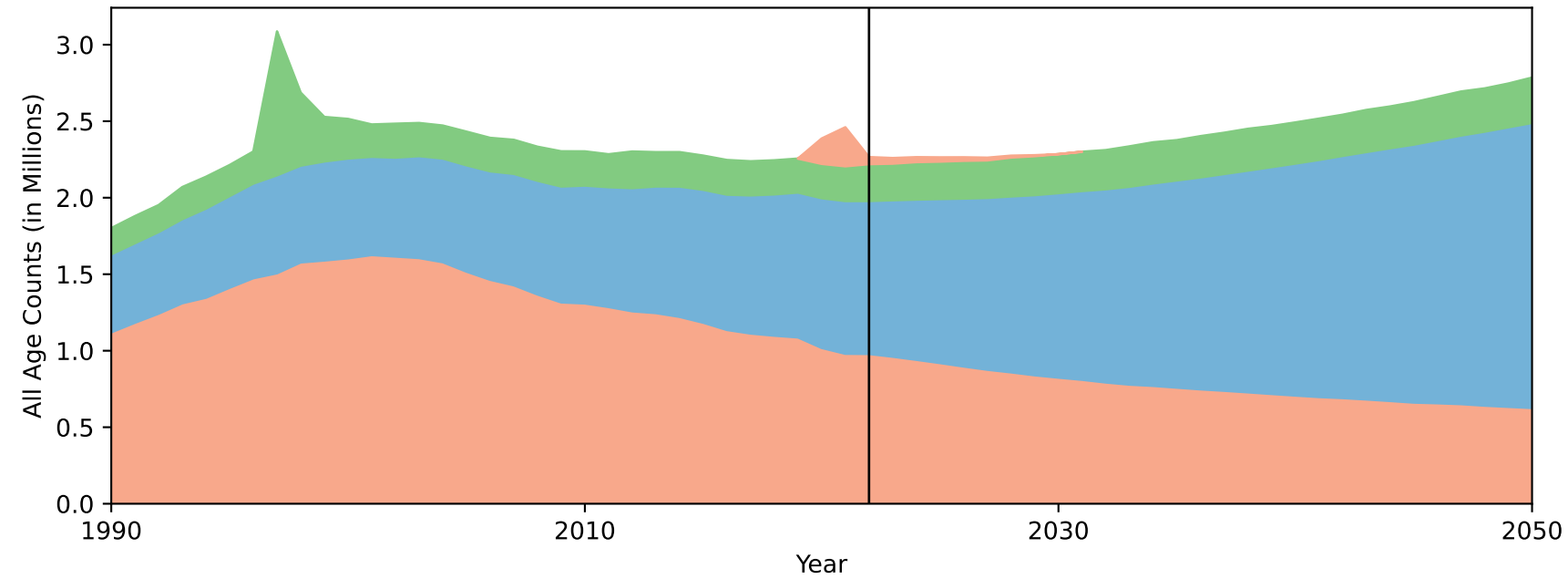
Level 1



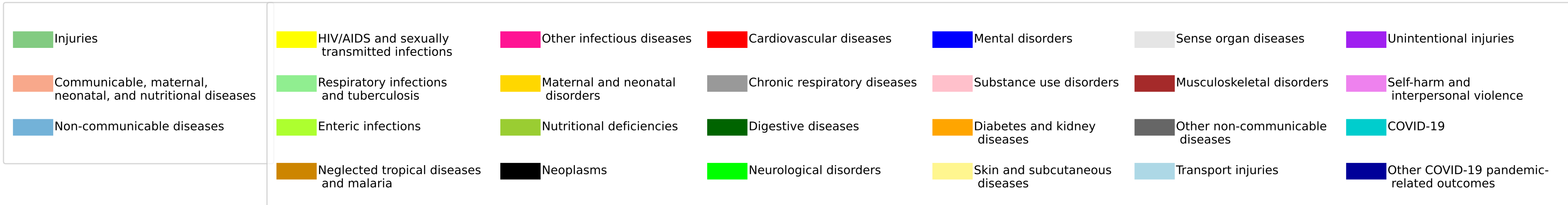
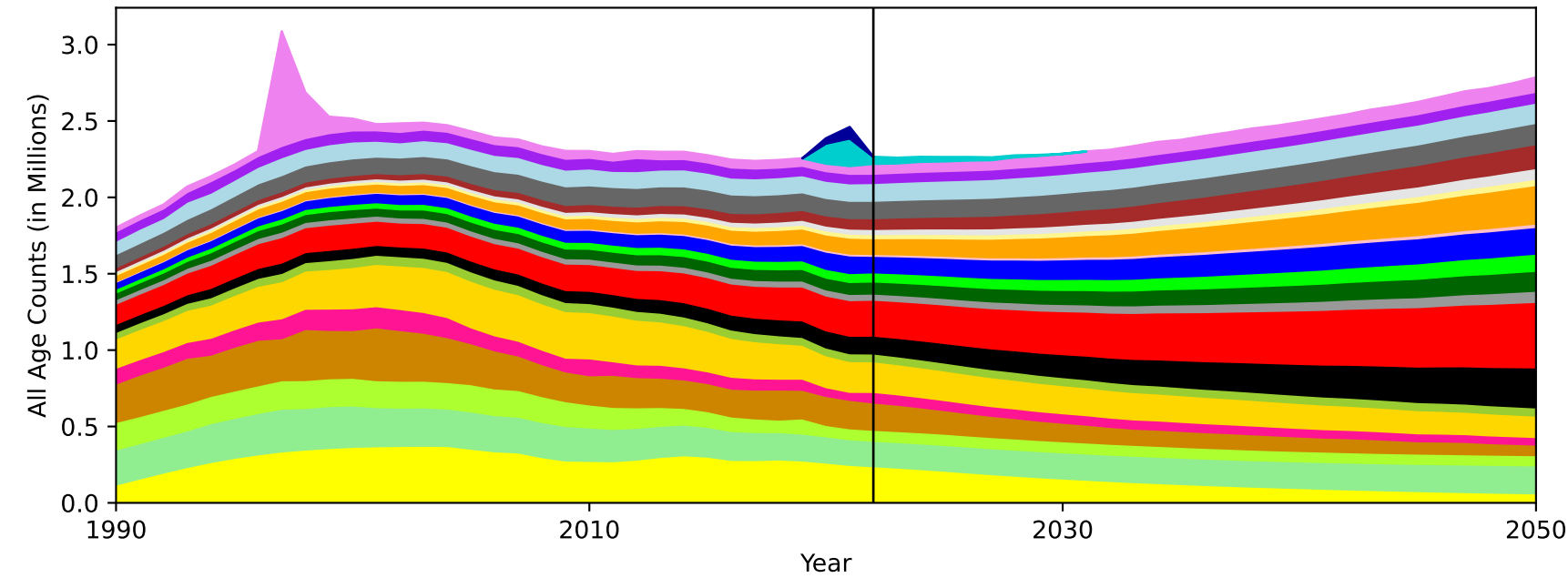
Level 2



Level 1

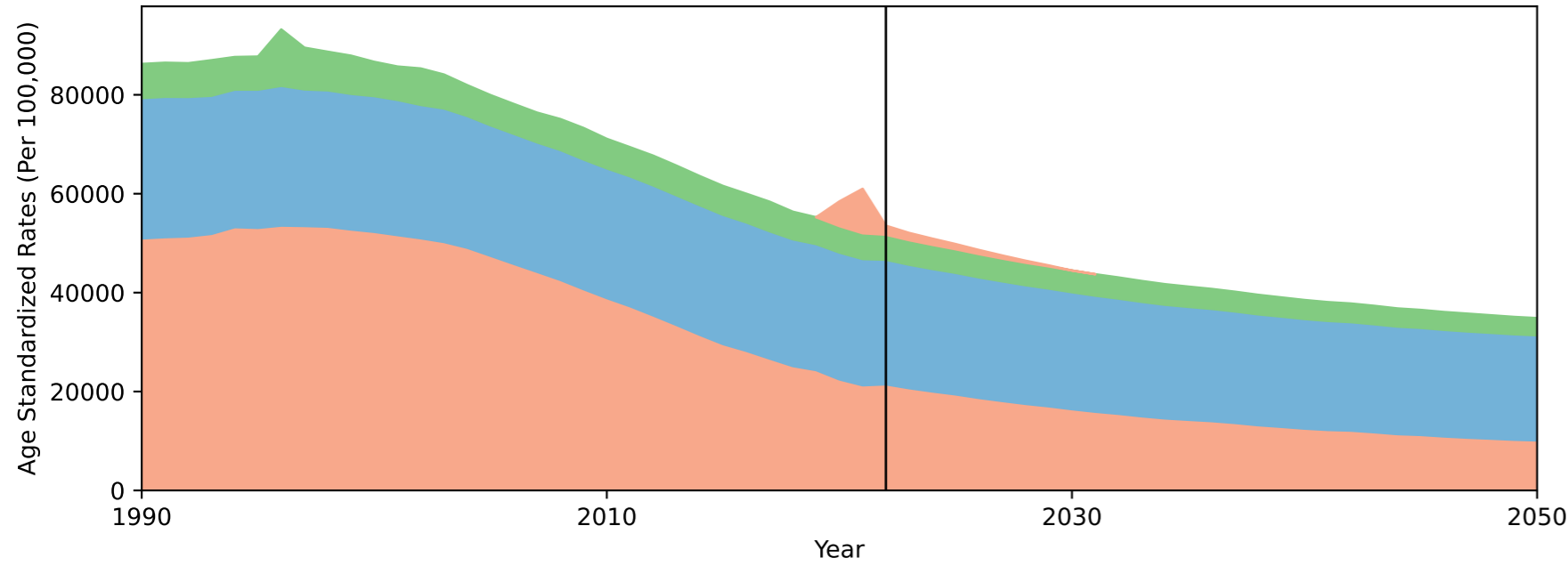


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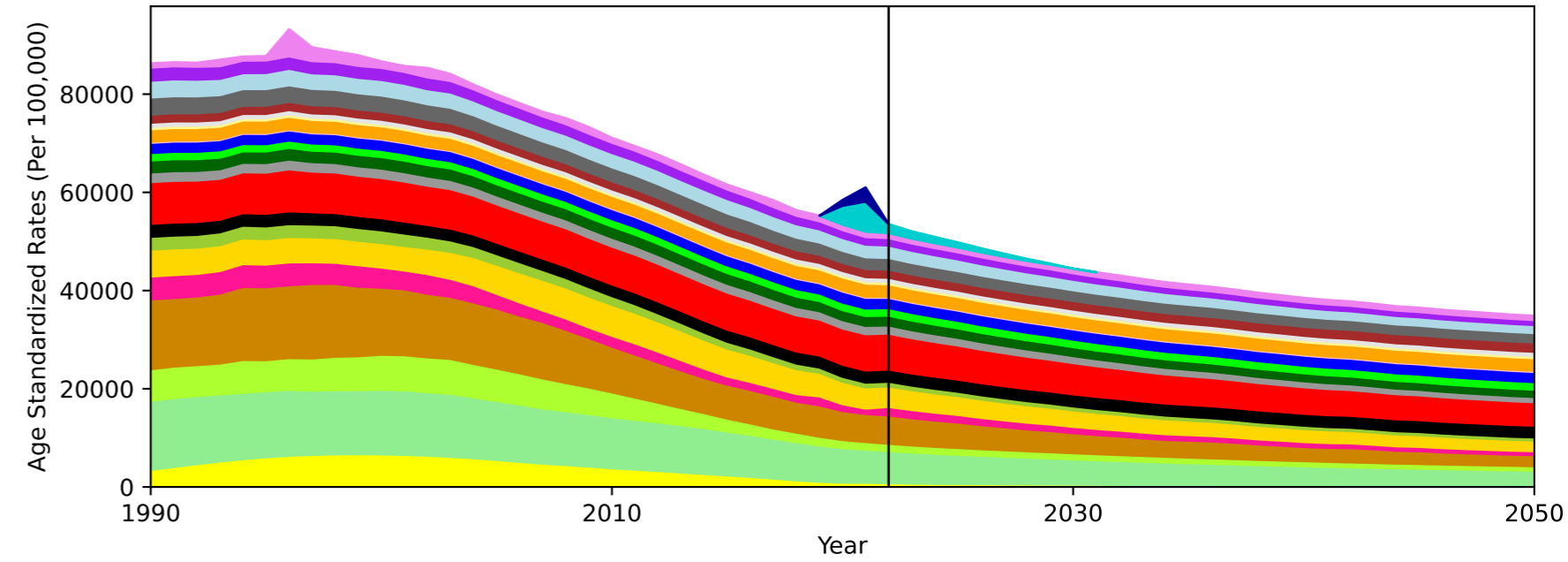


# DR Congo

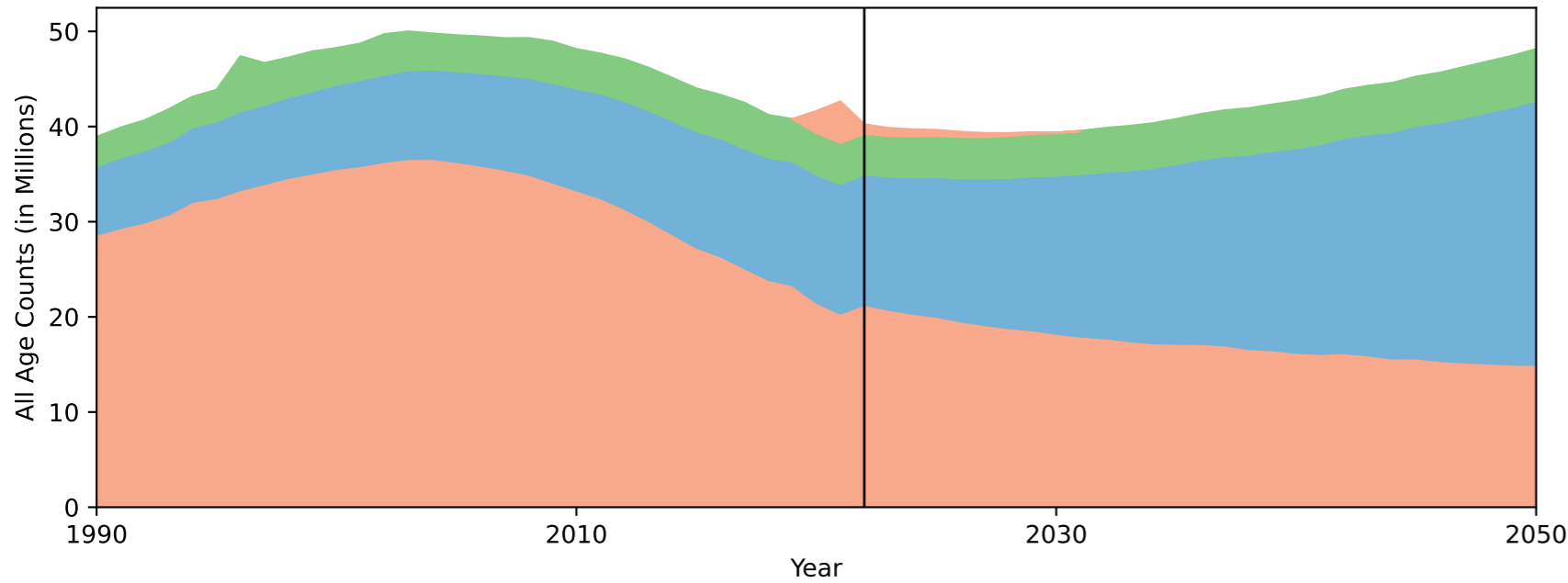
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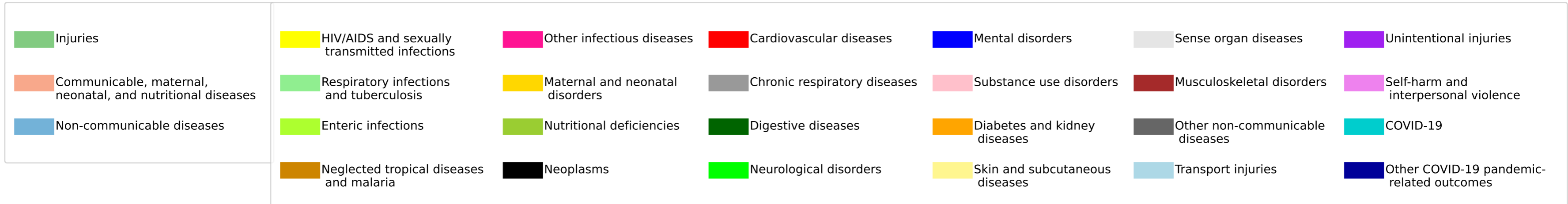
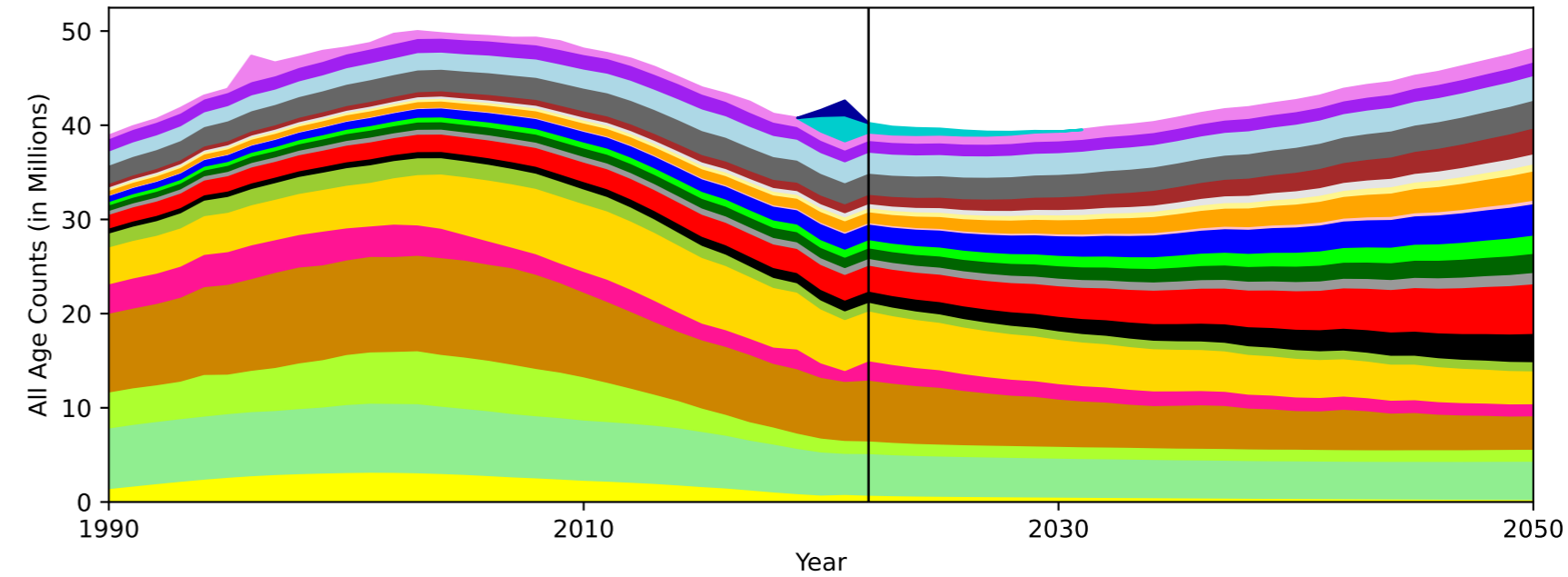
Level 2



Level 1

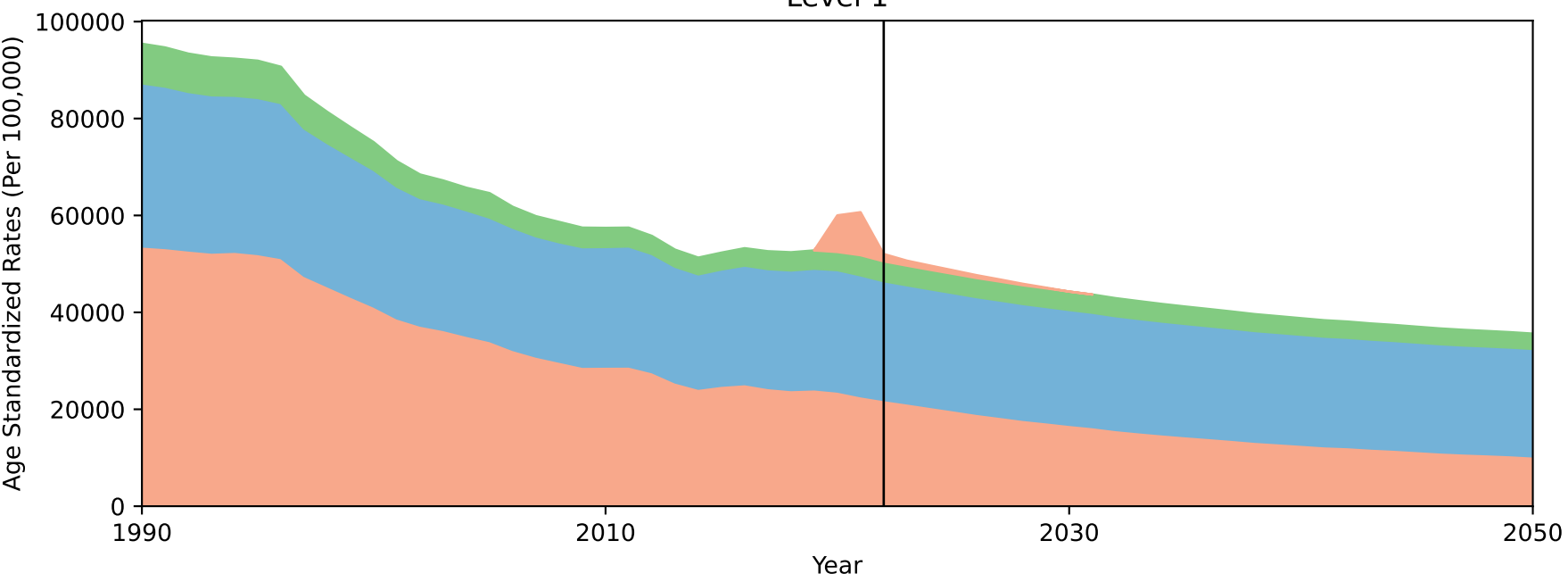


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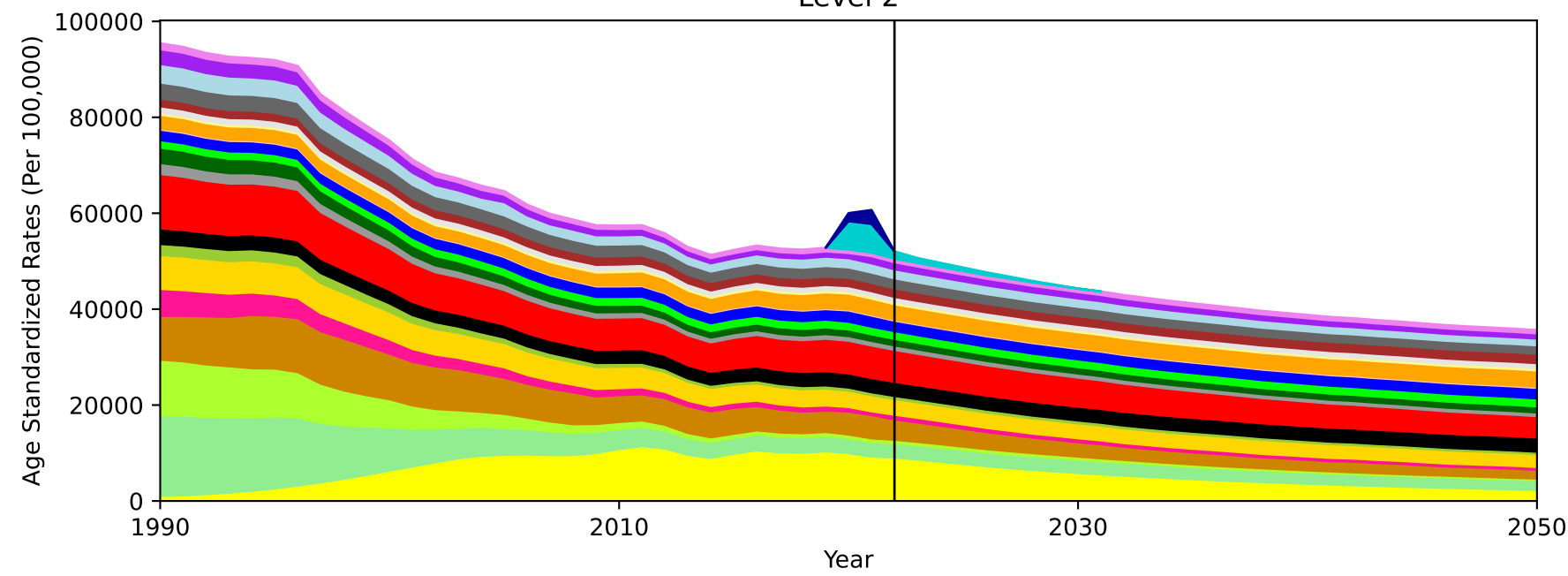


# Equatorial Guinea

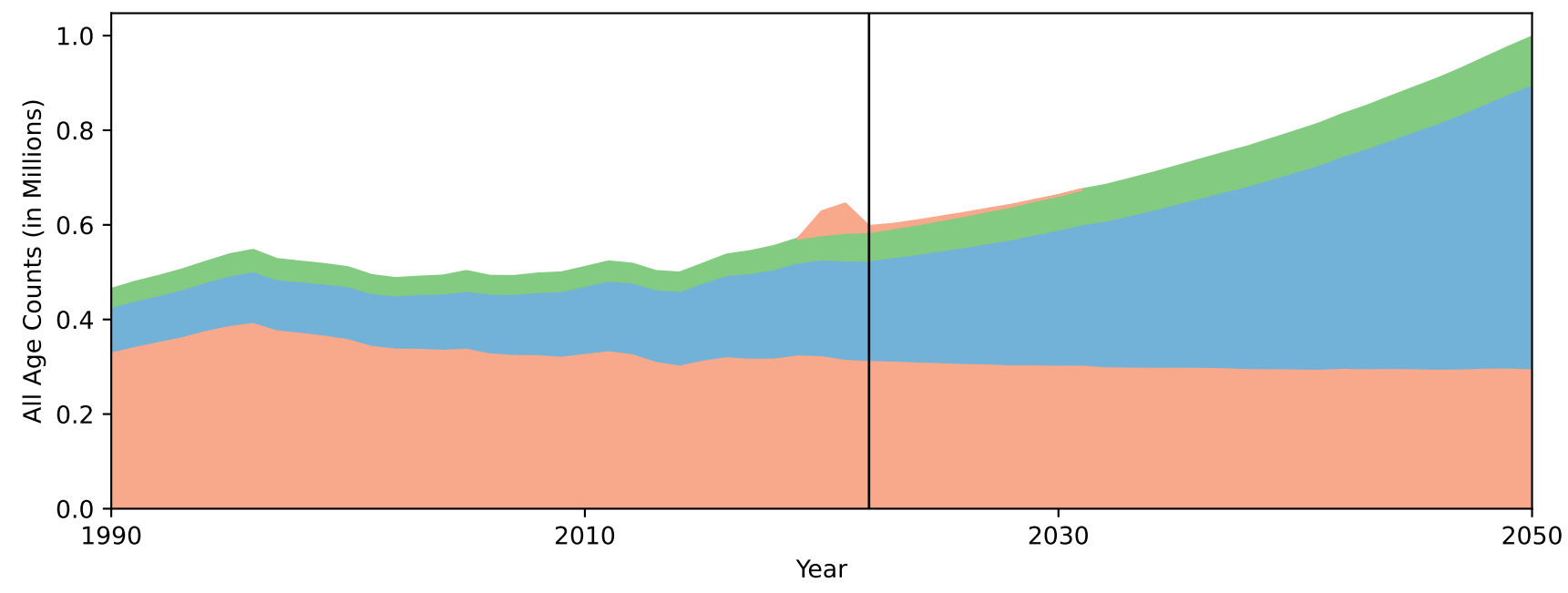
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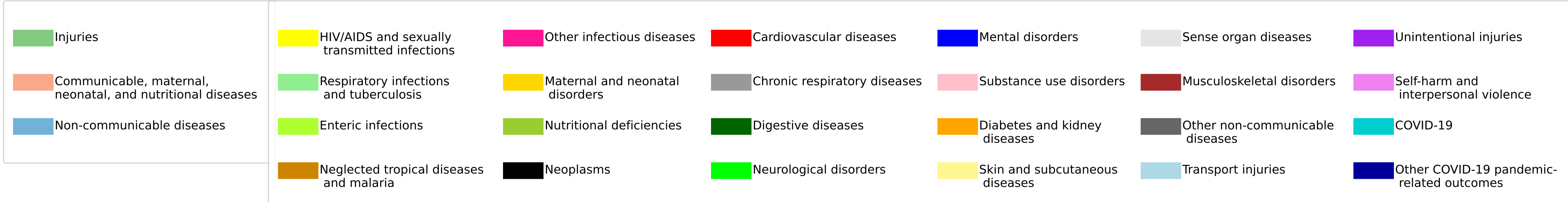
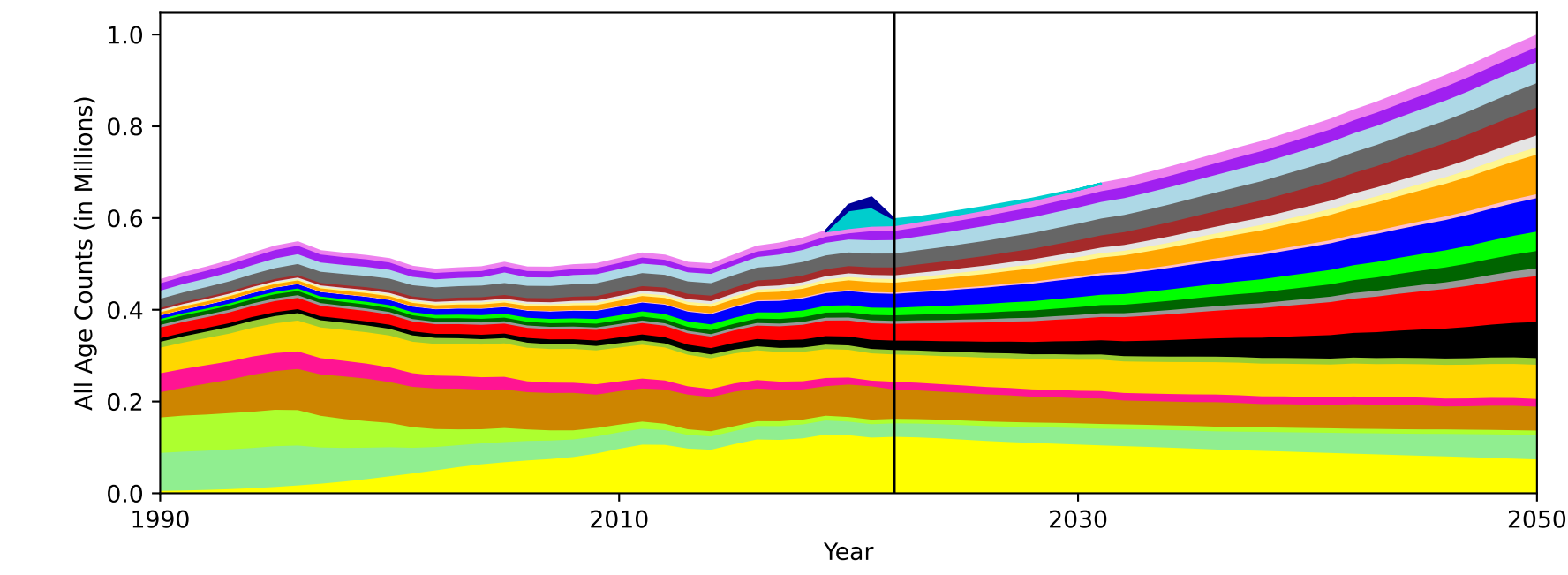
Level 2



Level 1



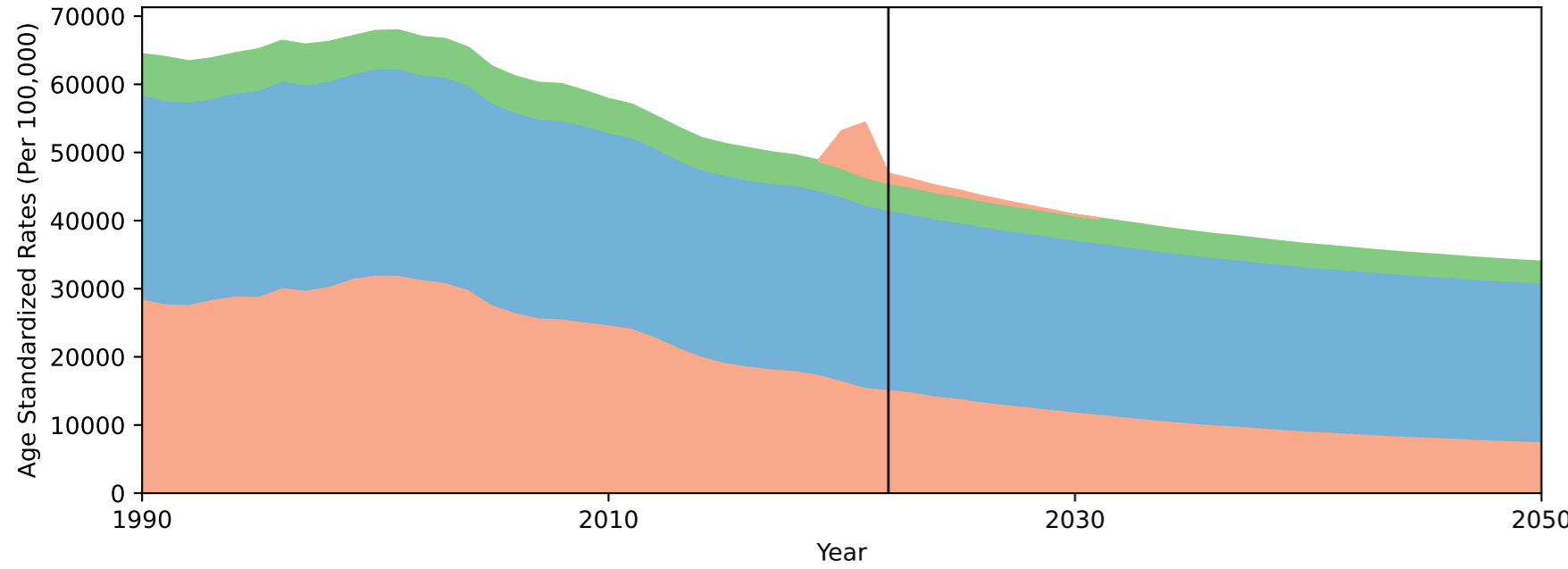
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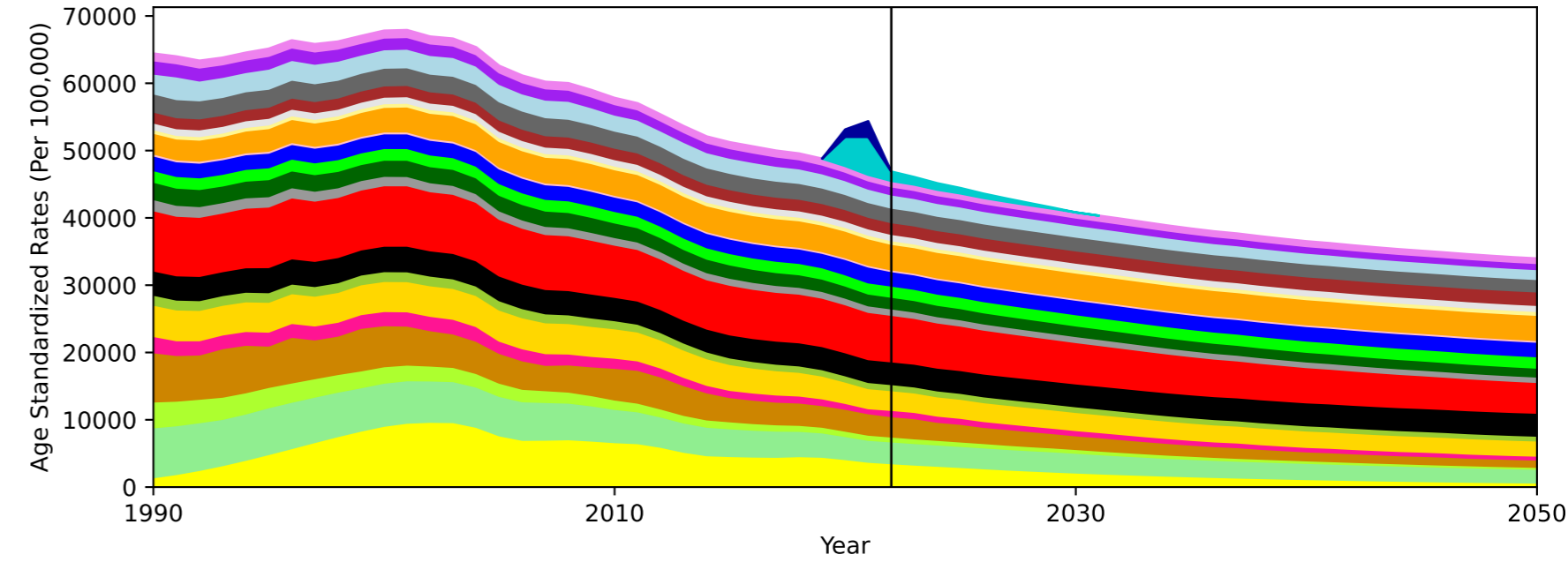


# Gabon

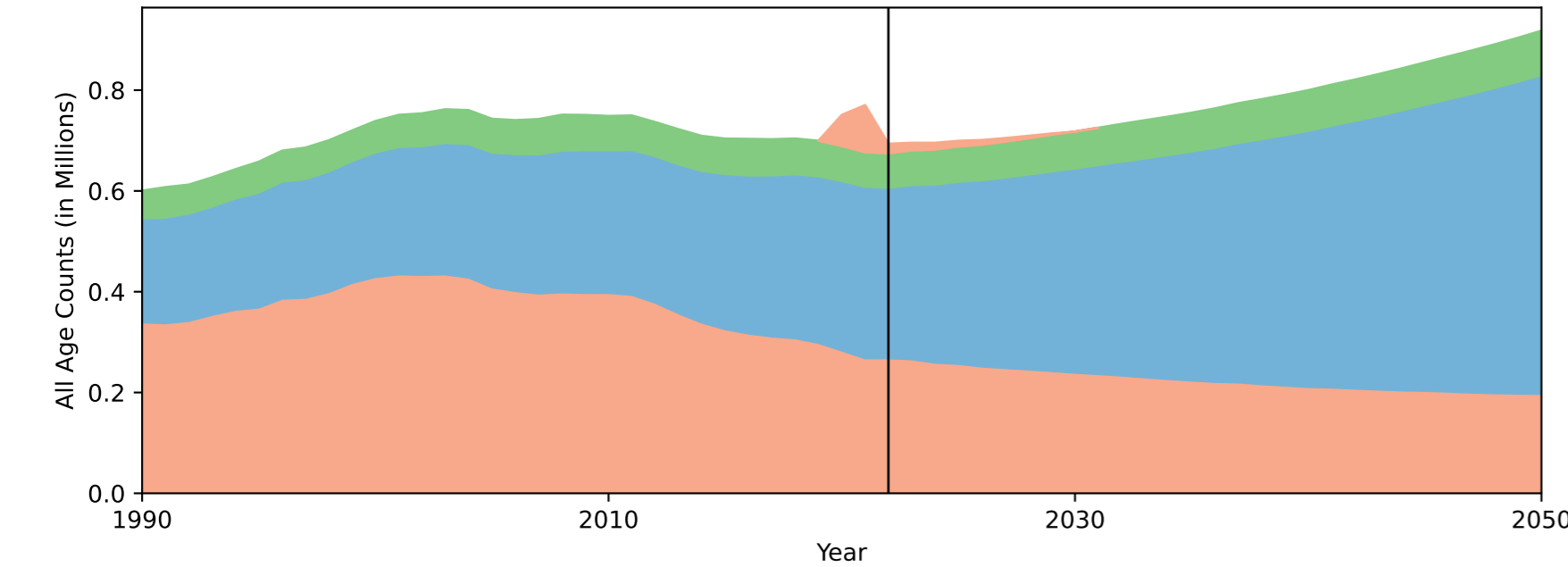
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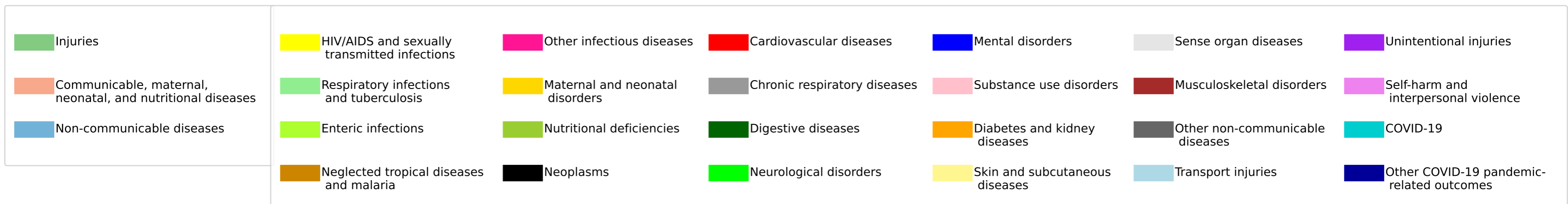
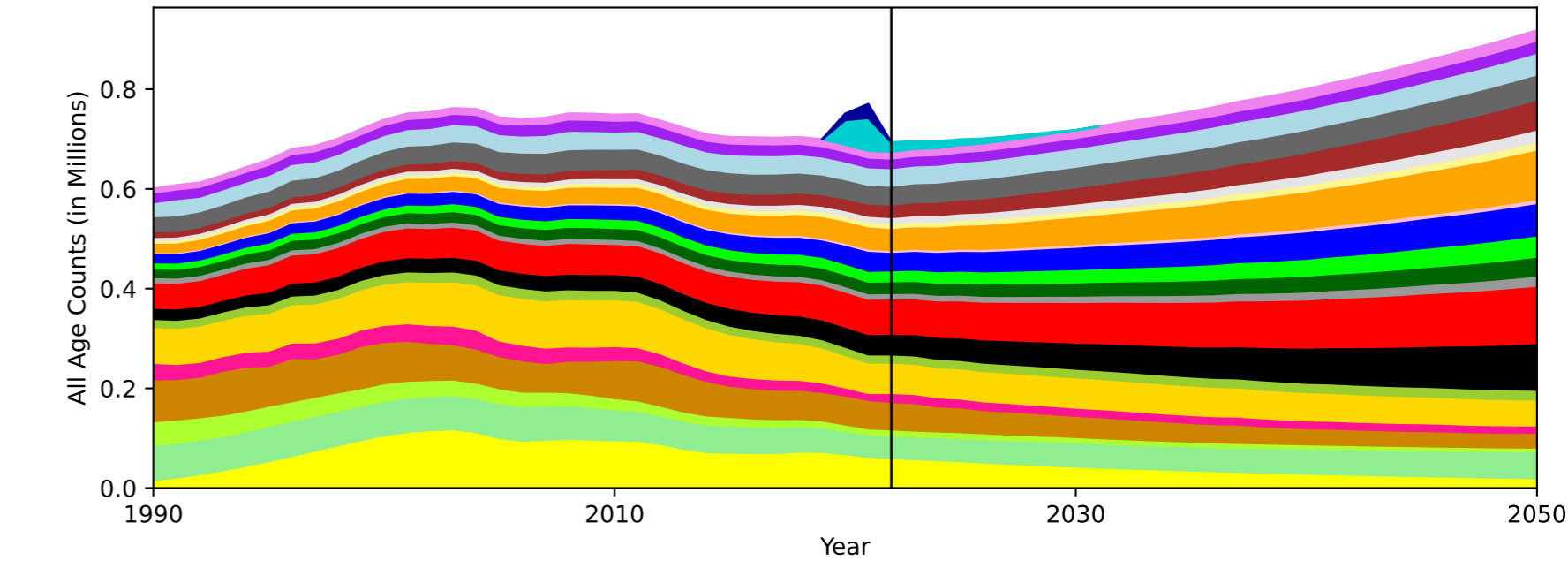
Level 2



Level 1

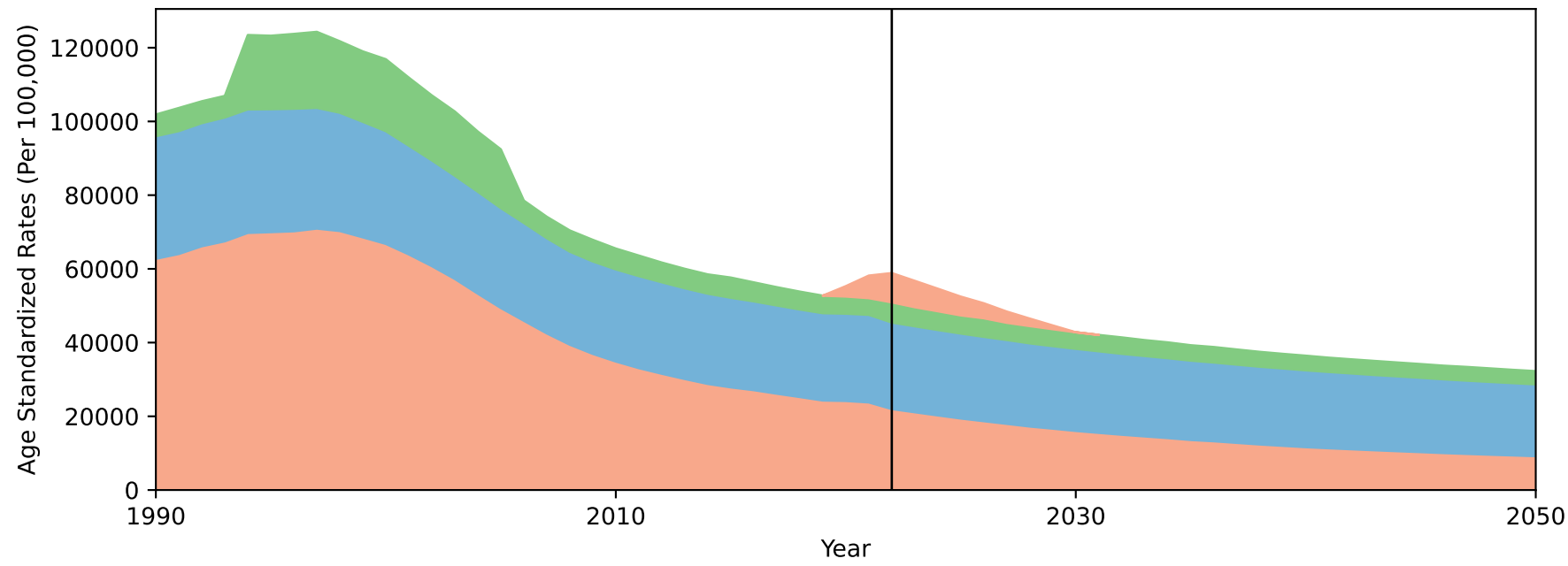


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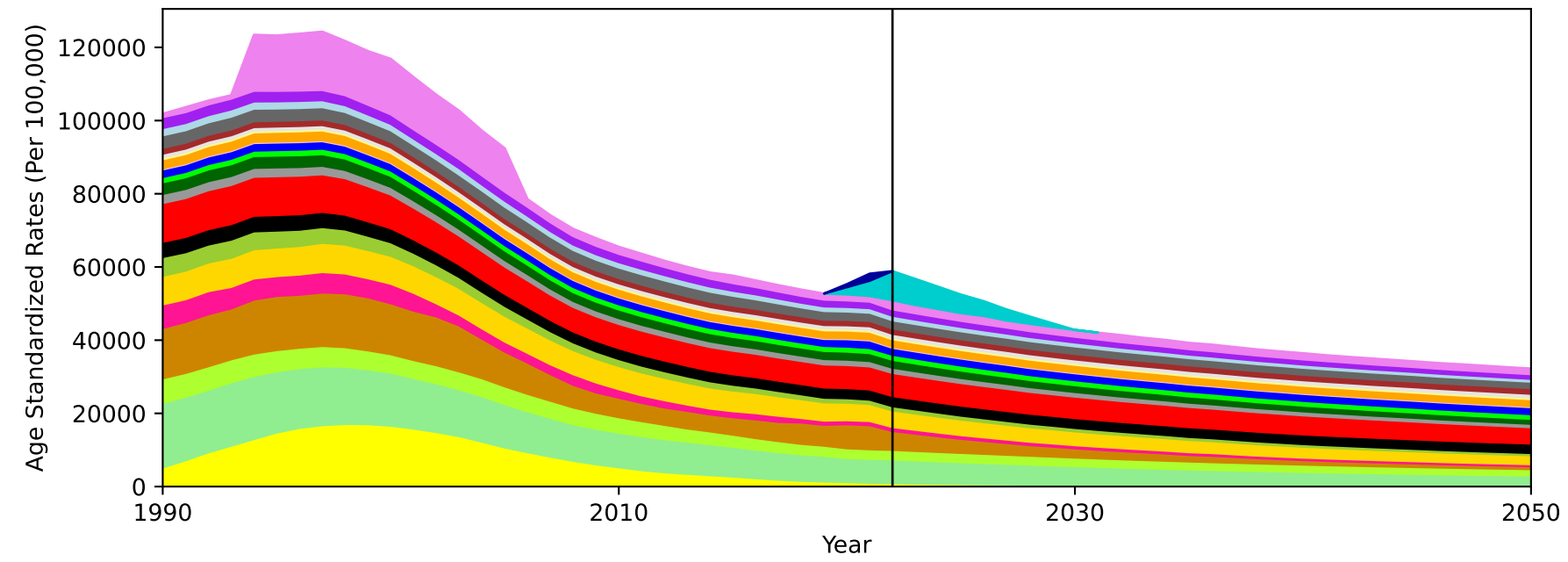


# Burundi

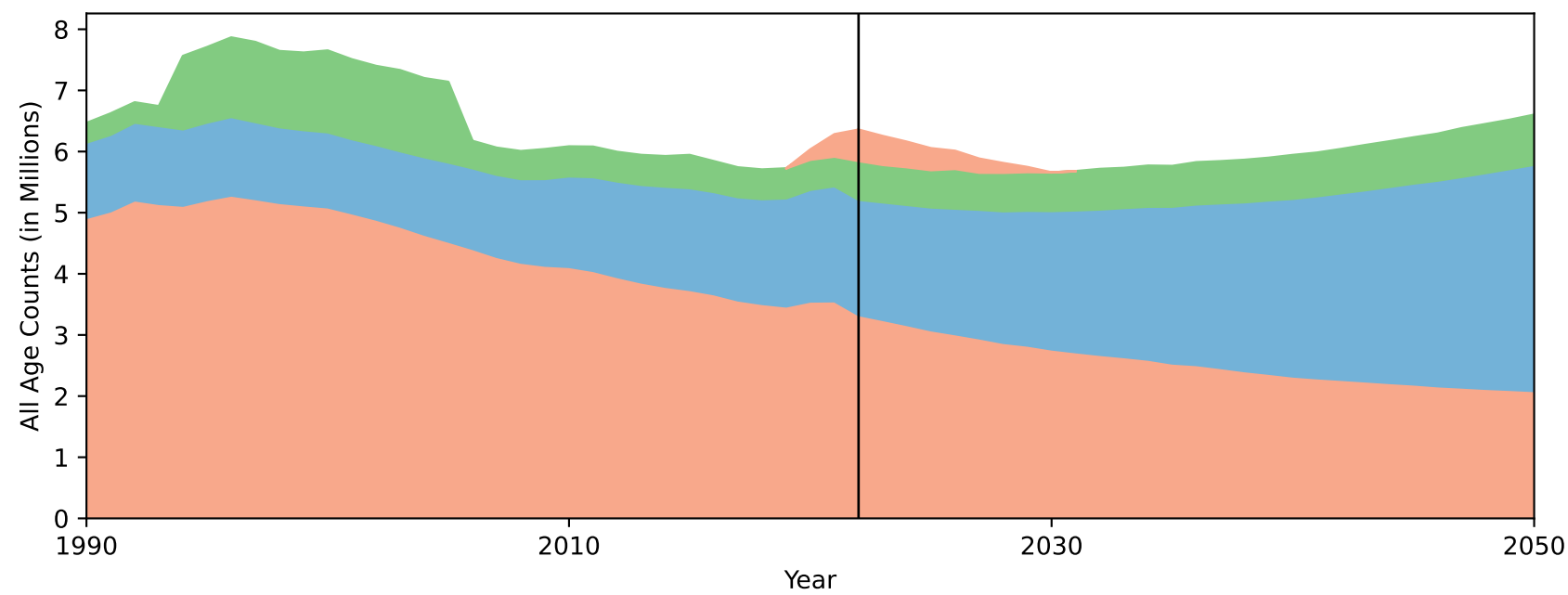
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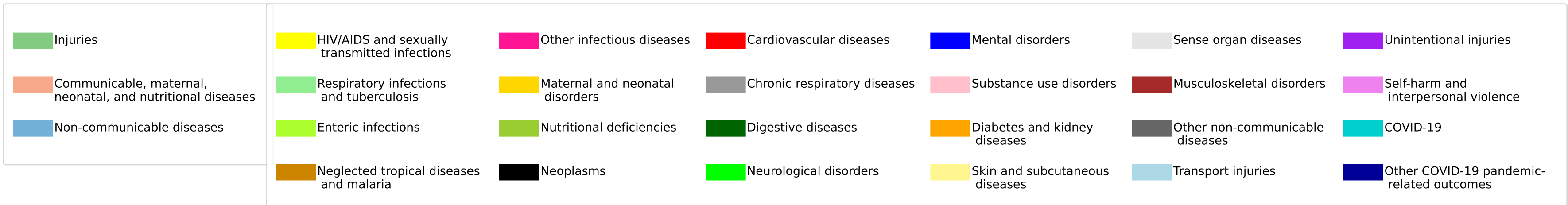
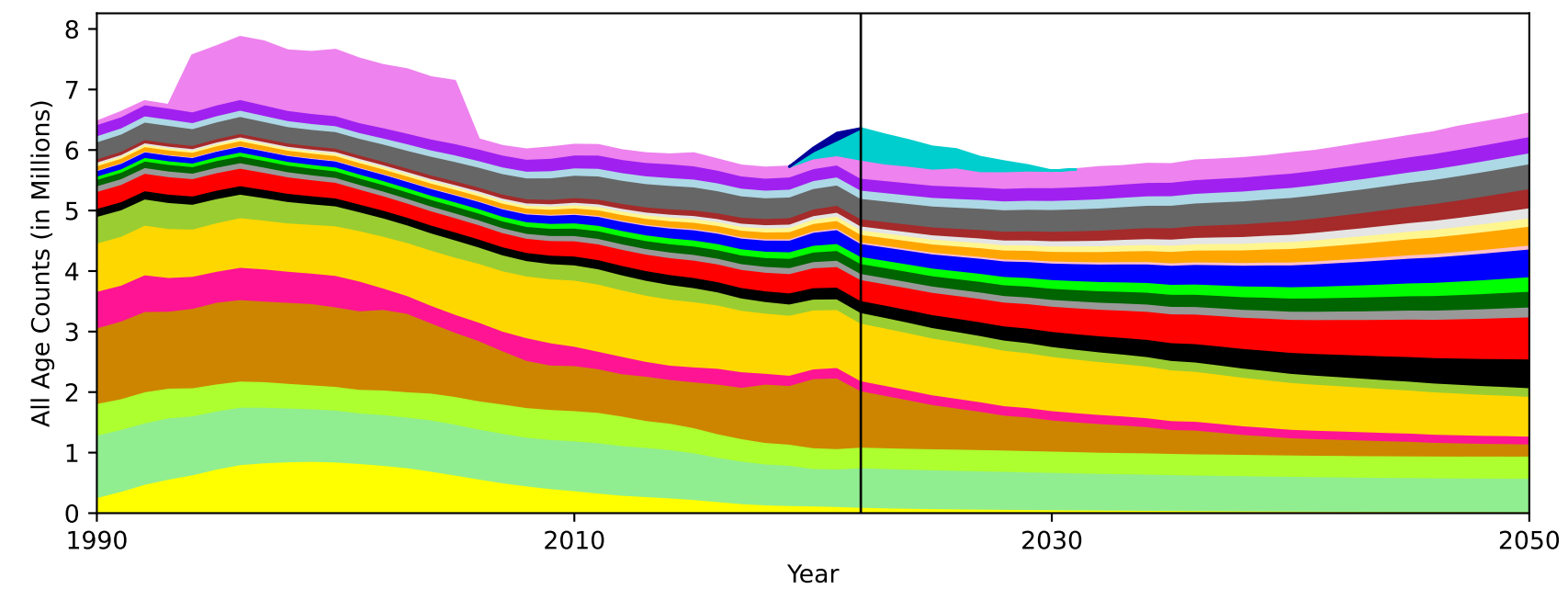
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Level 1

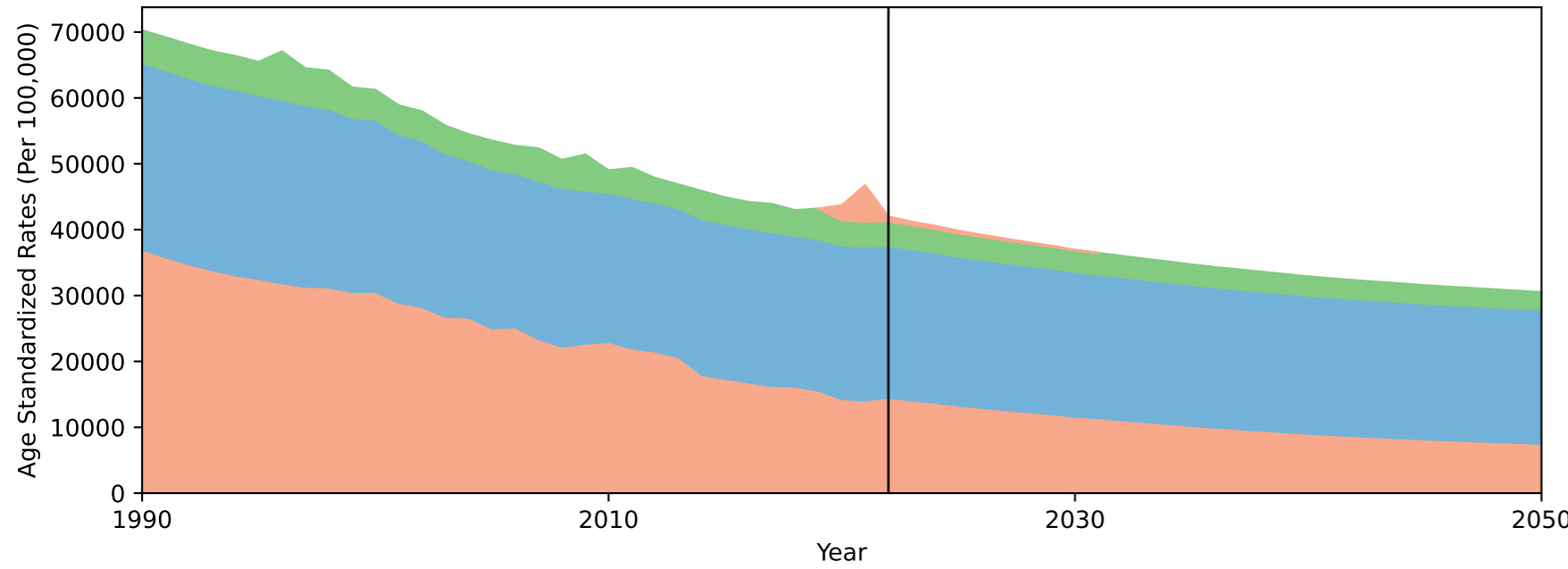


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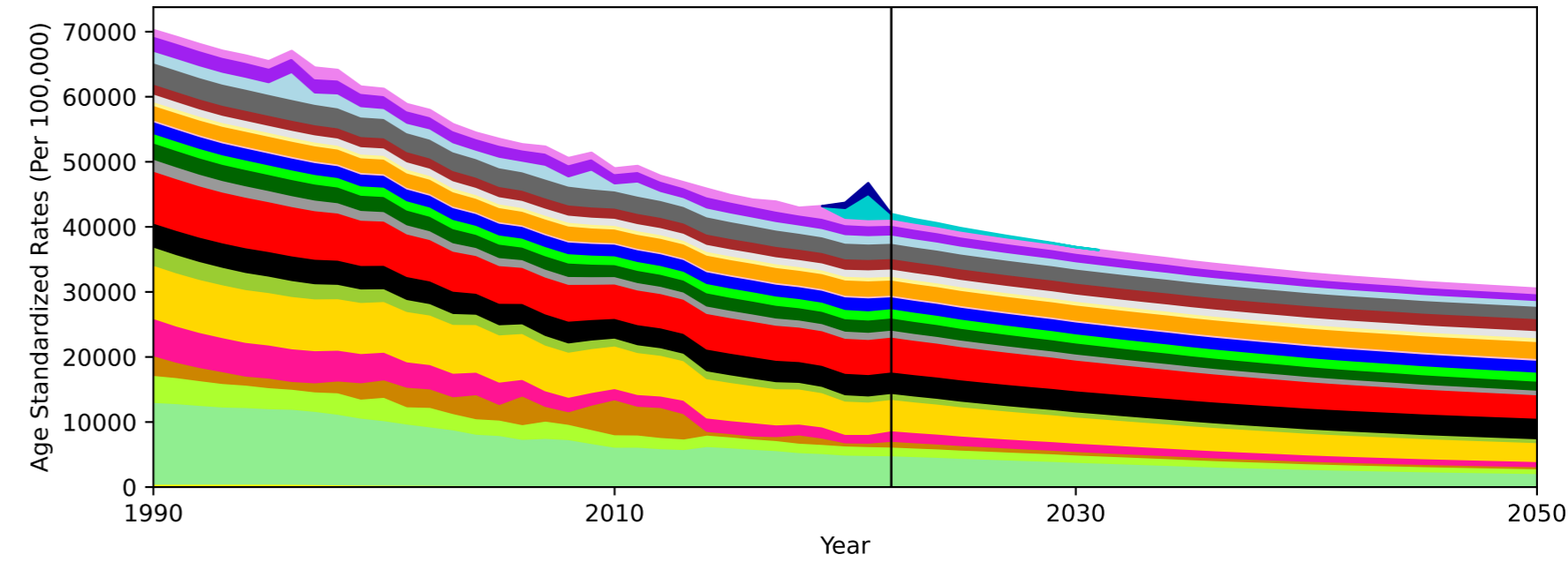


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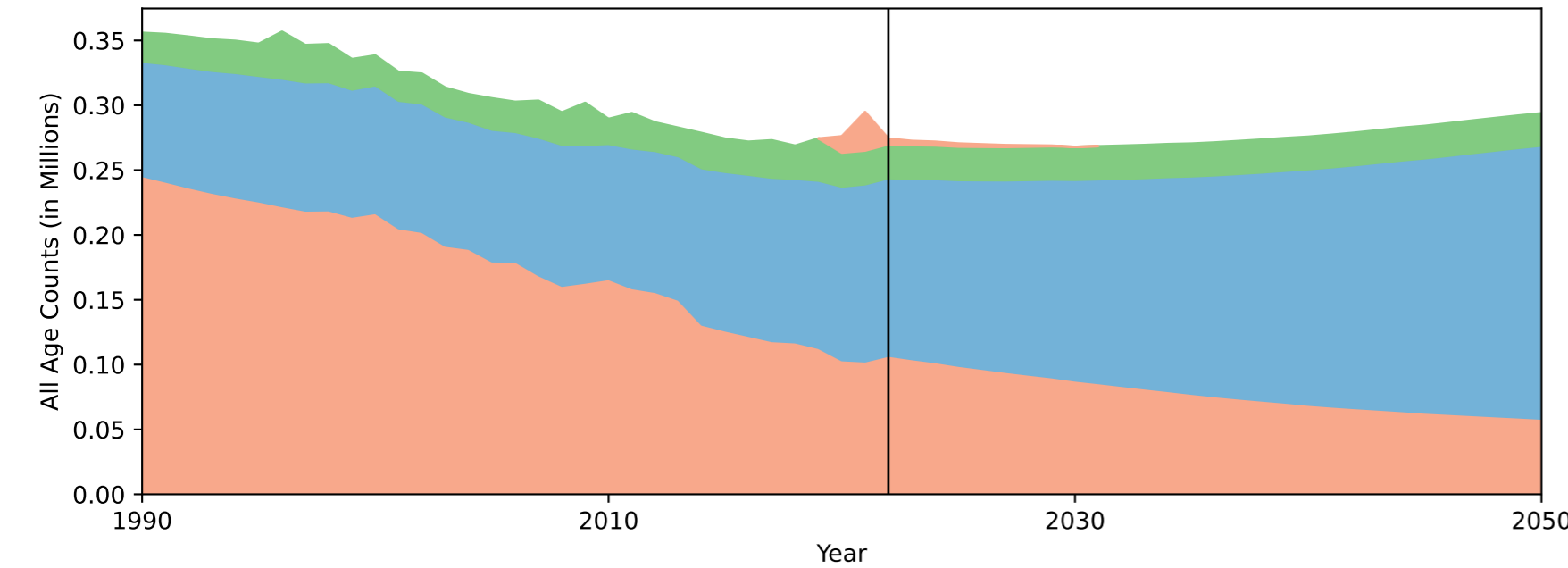
Level 1



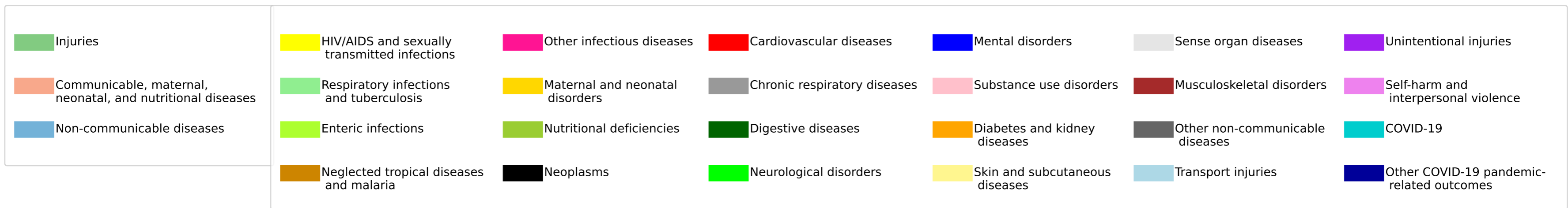
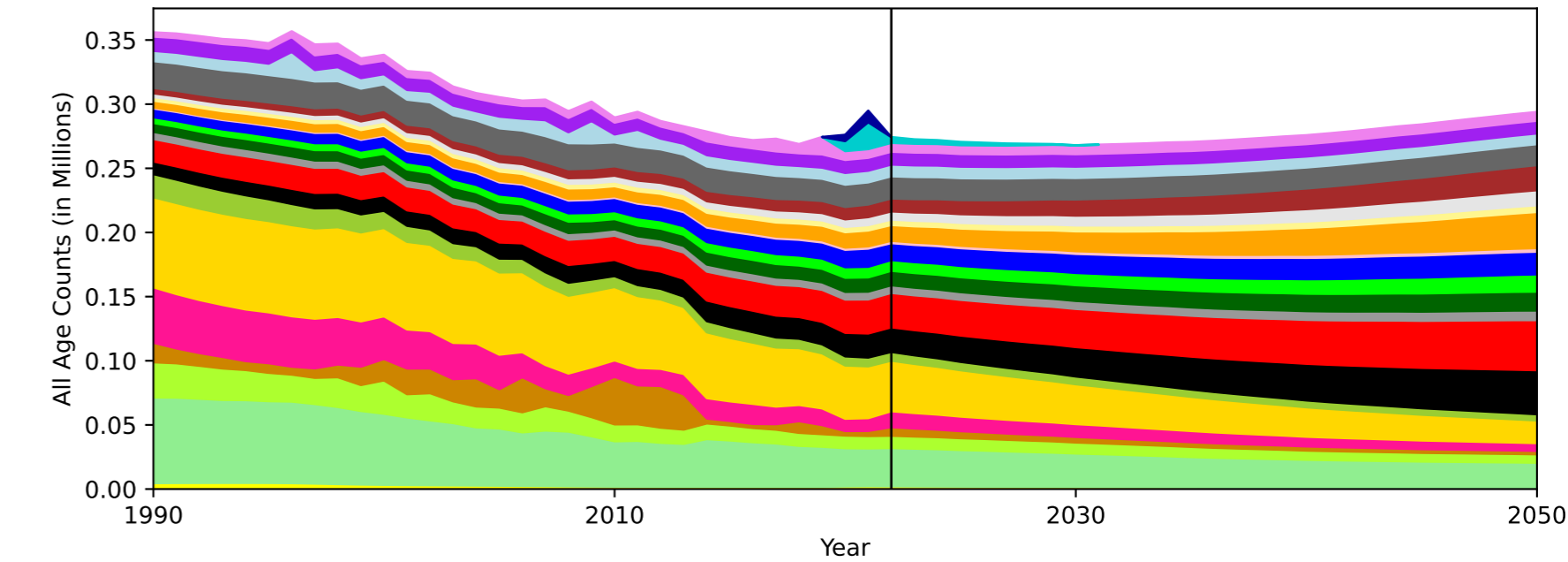
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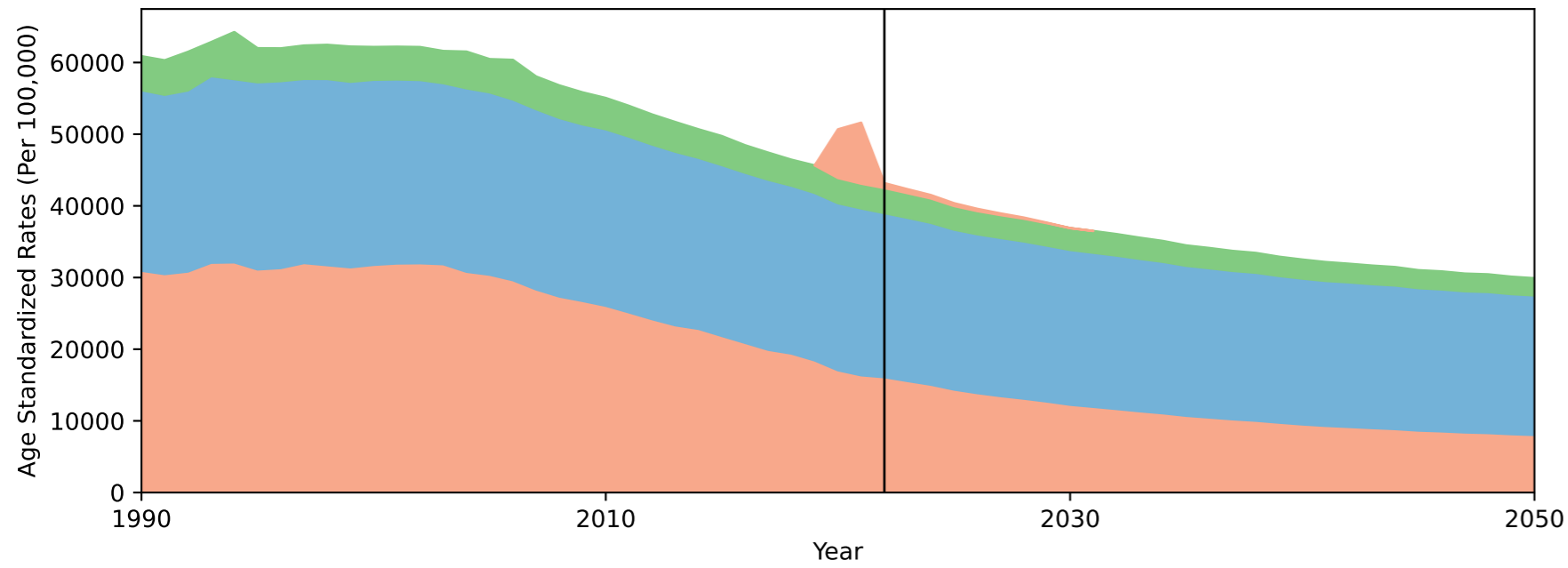


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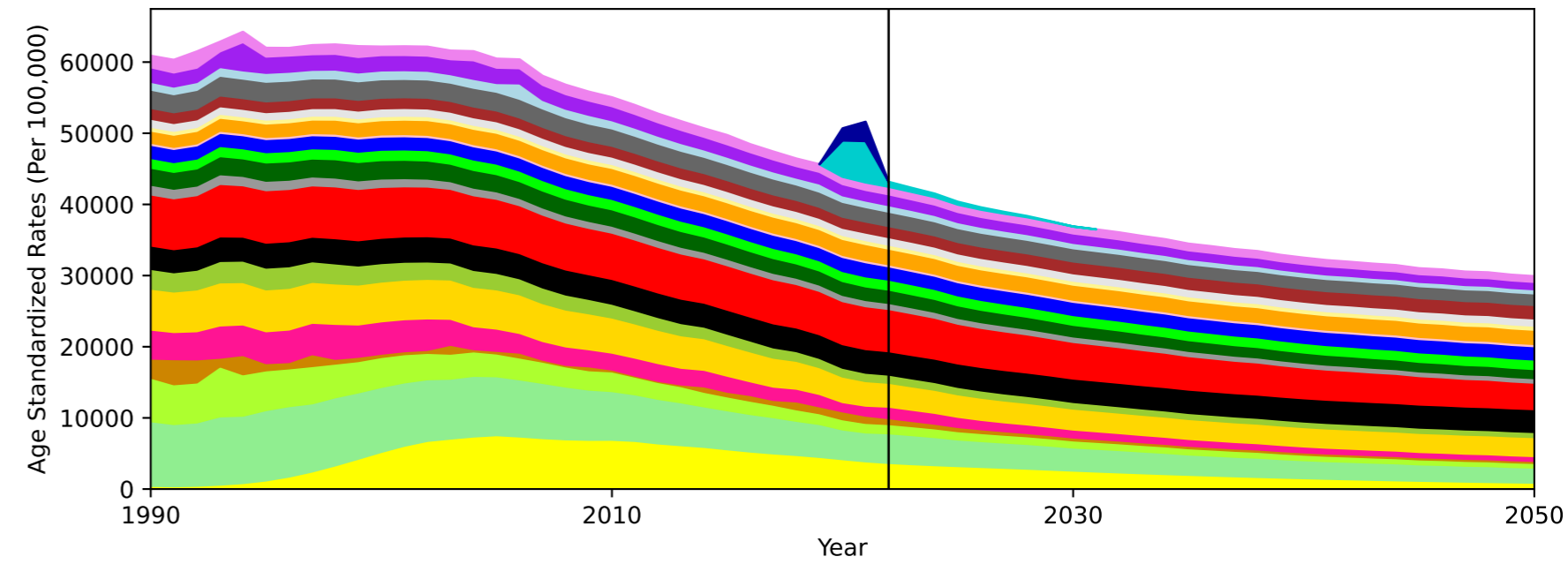


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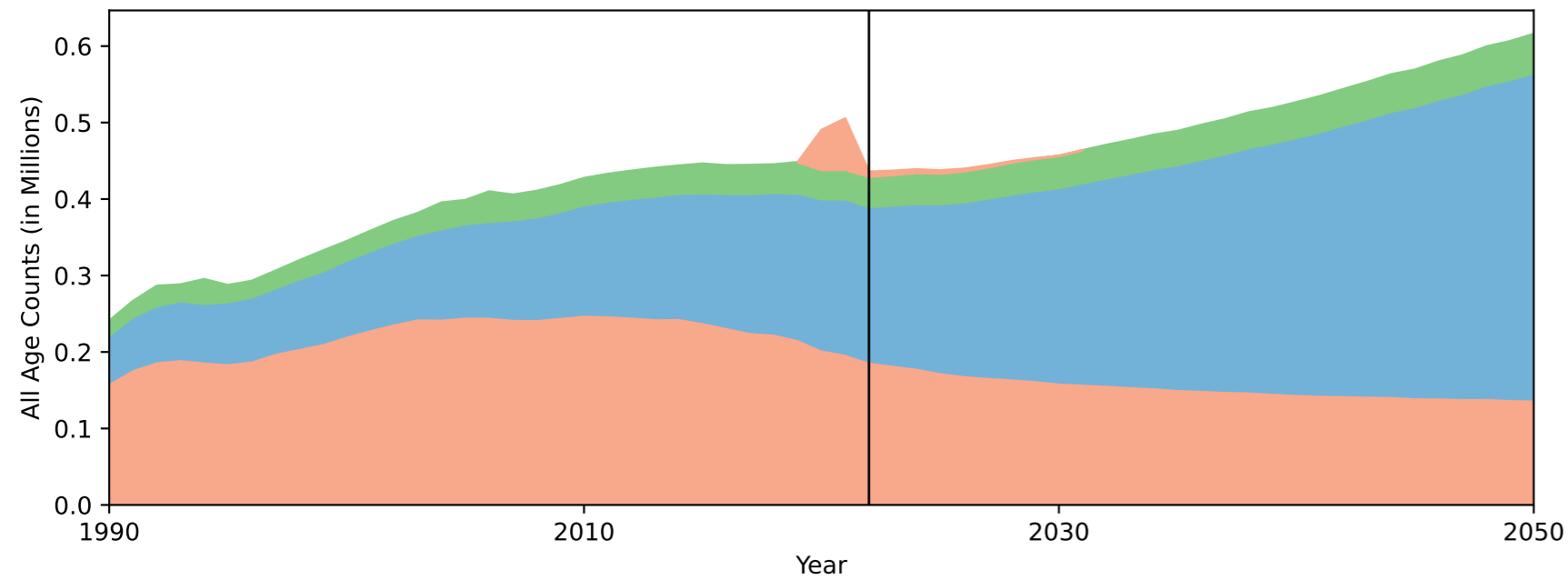
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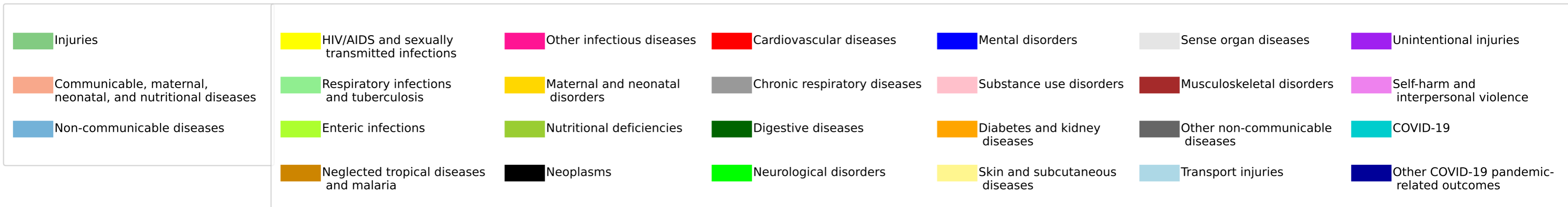
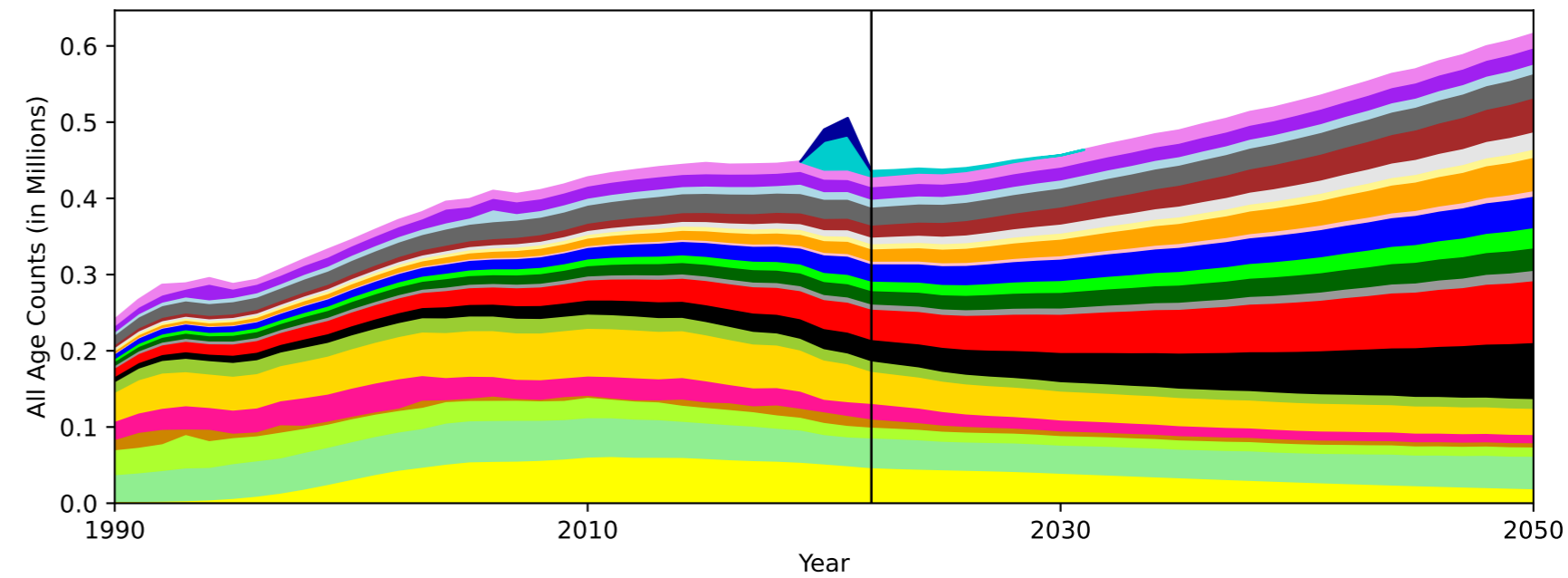
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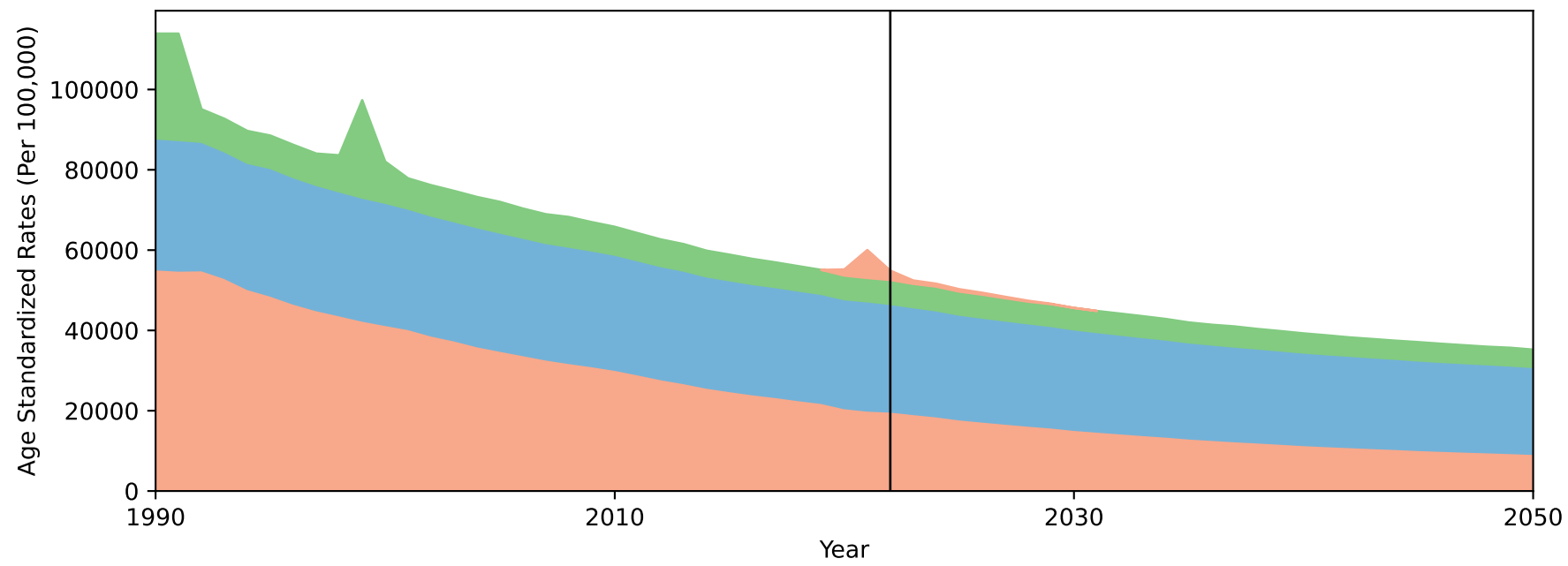
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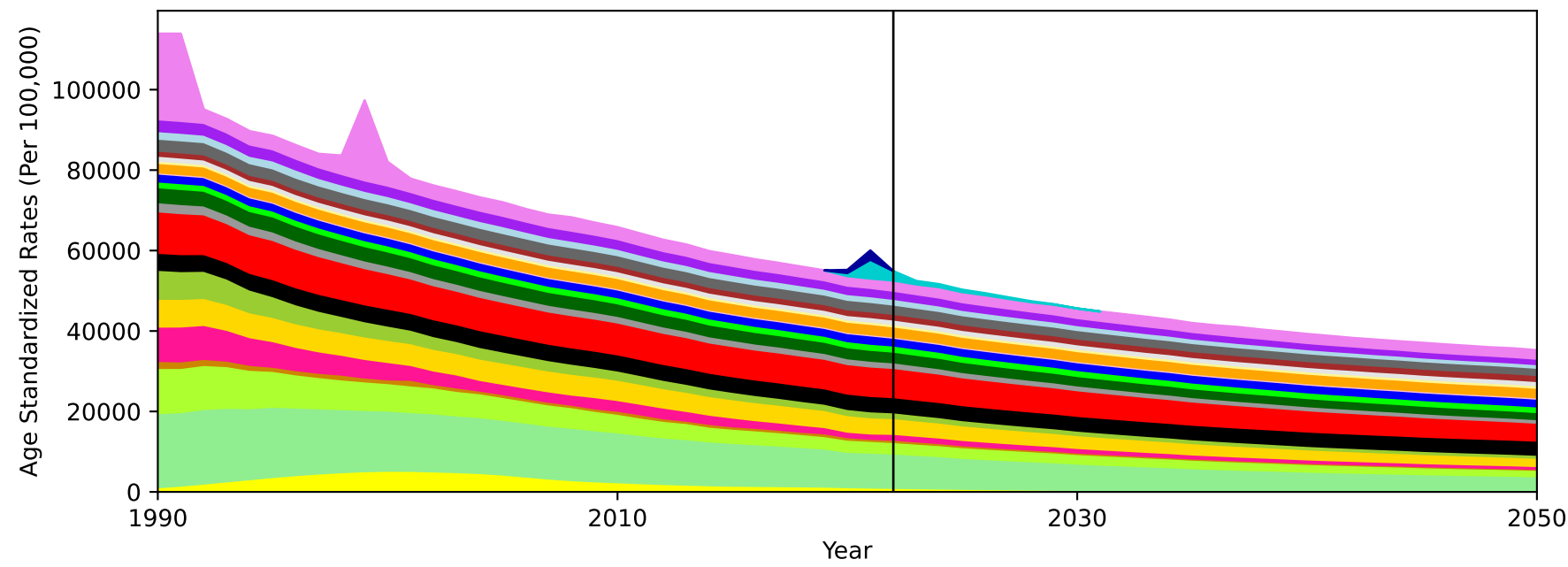
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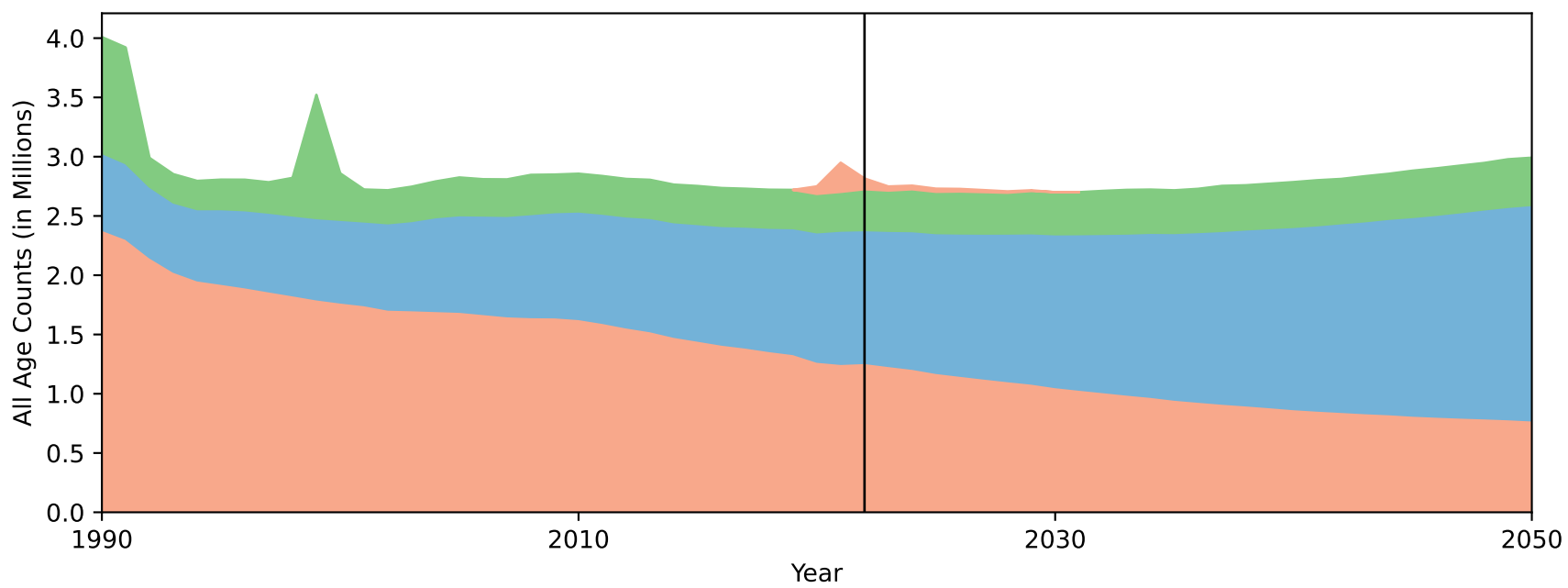
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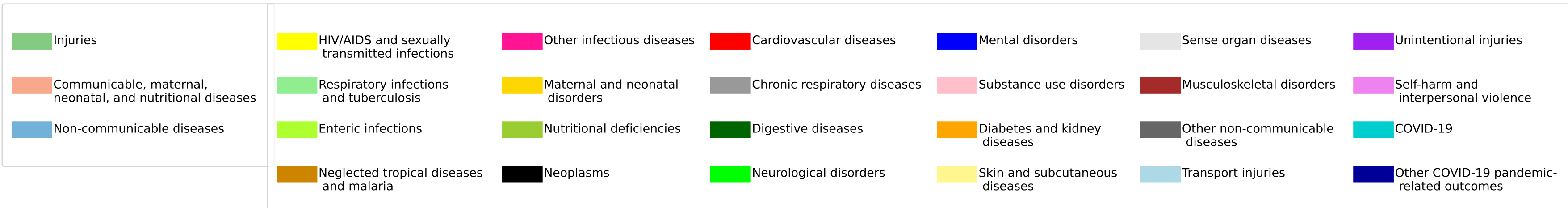
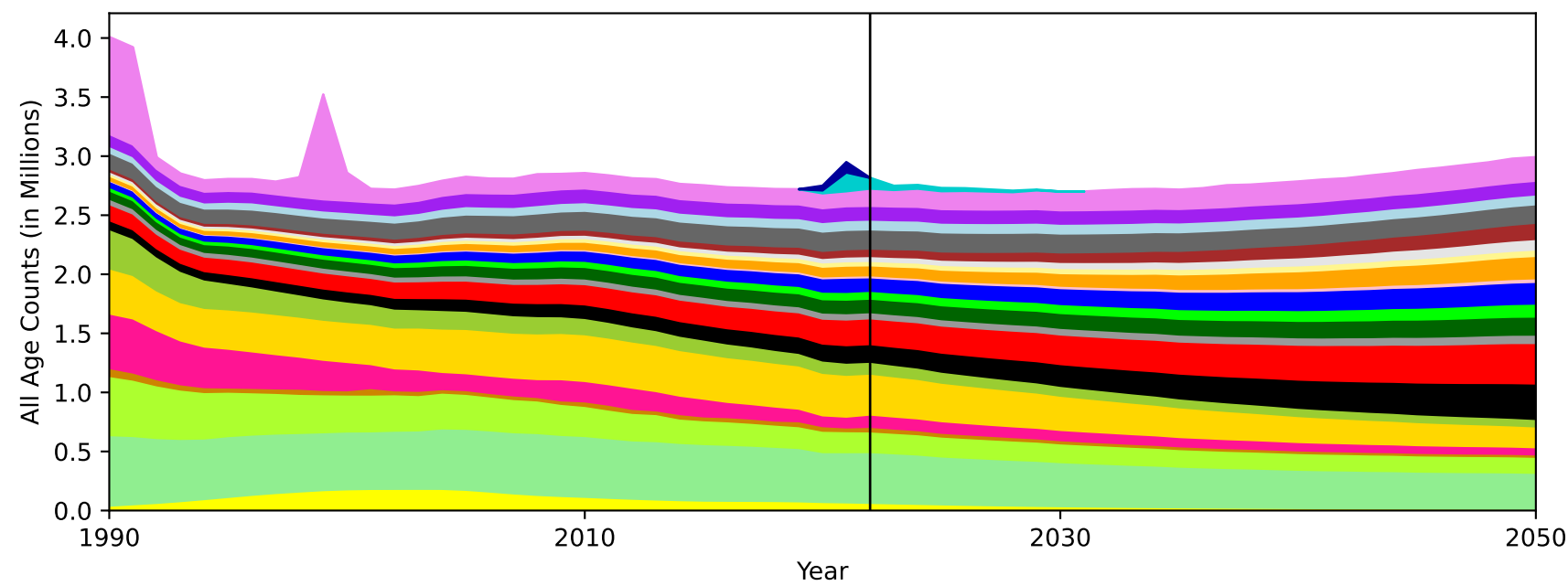
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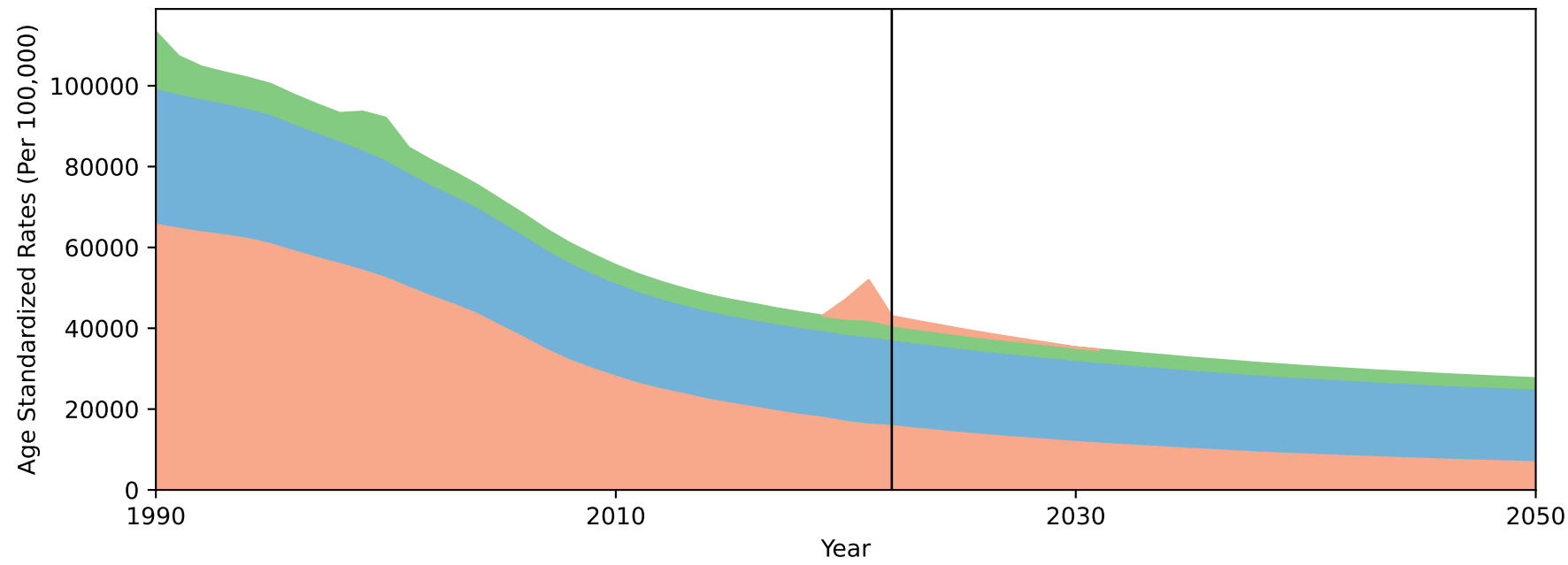


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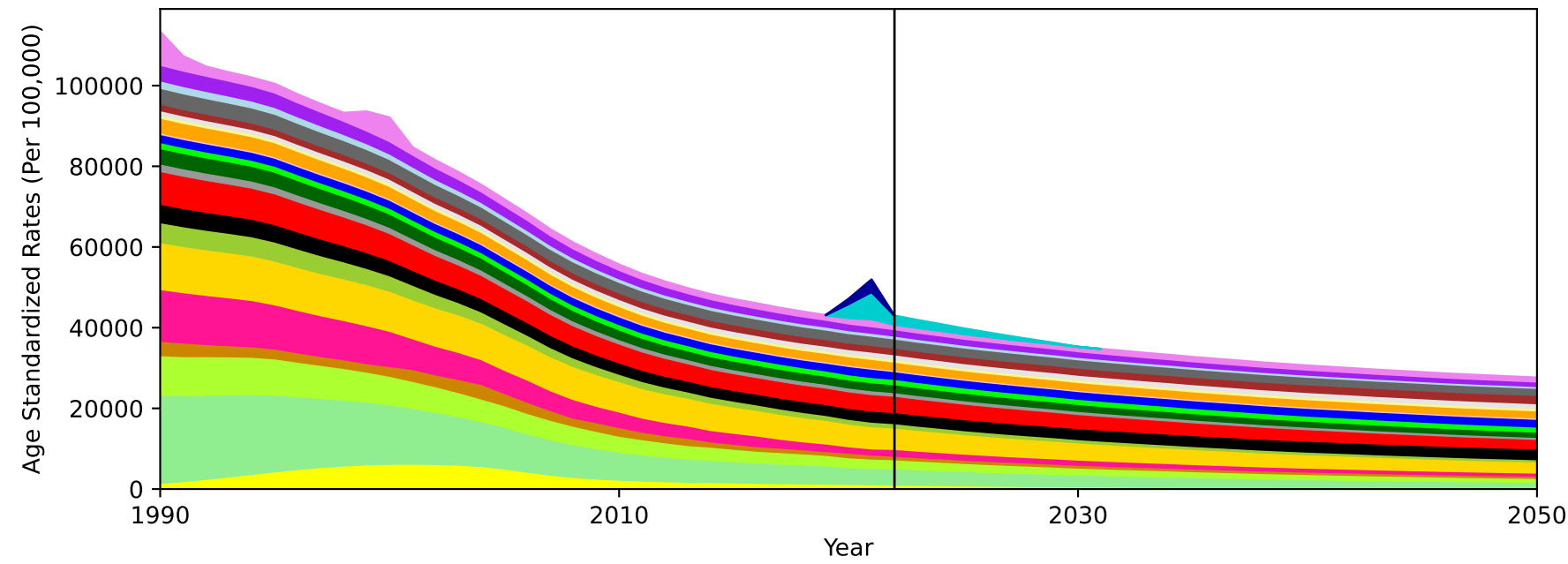


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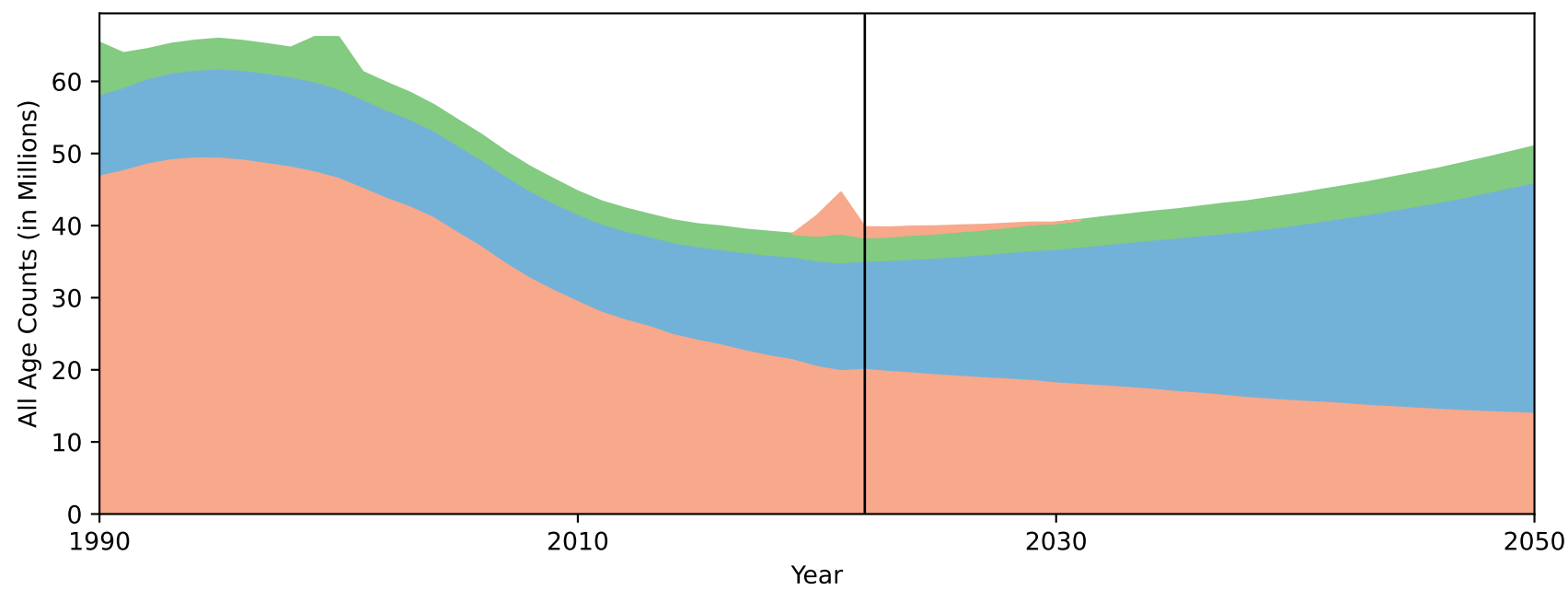
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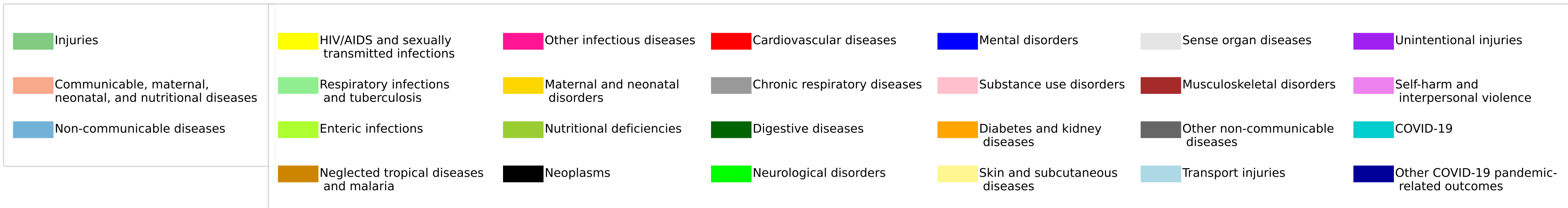
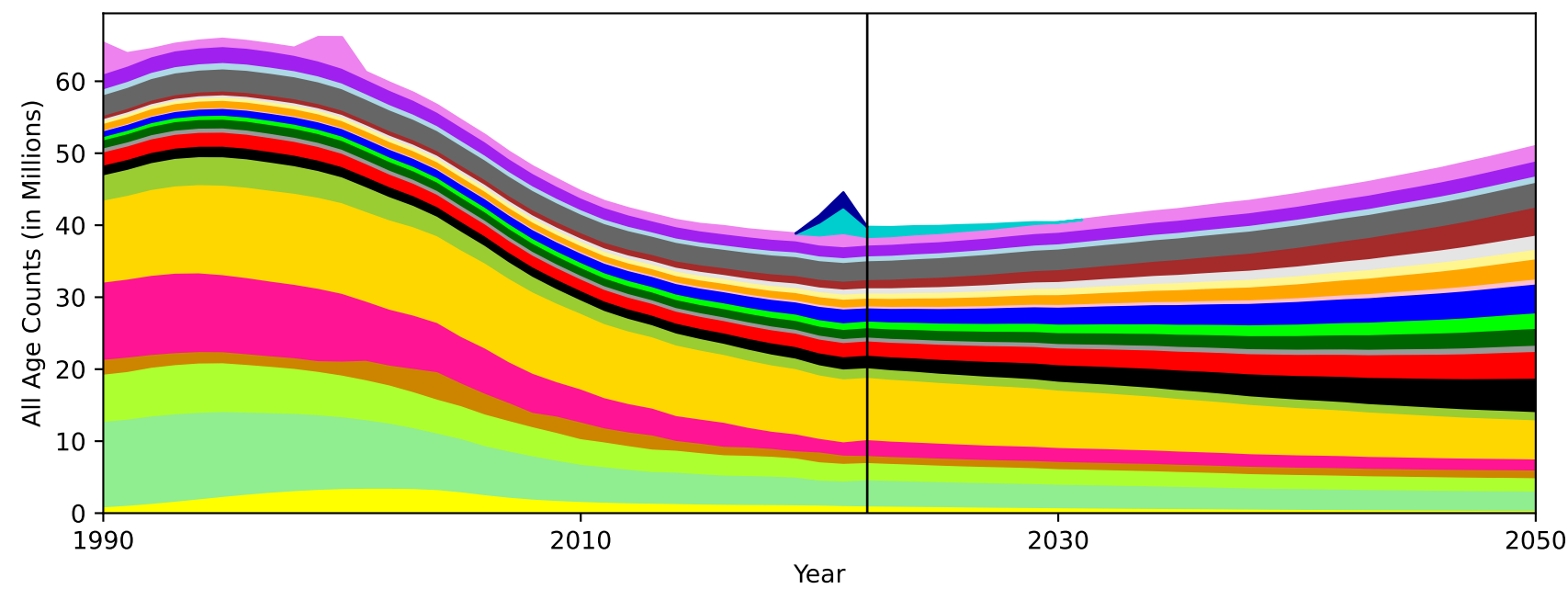
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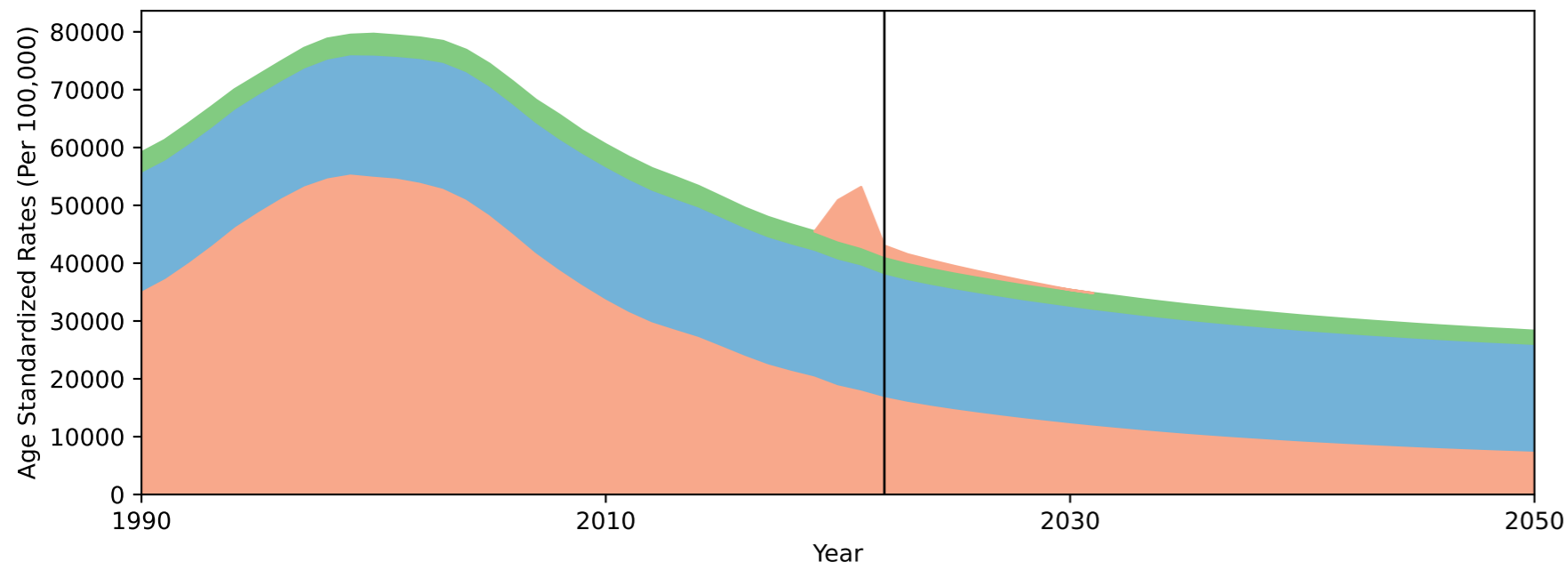


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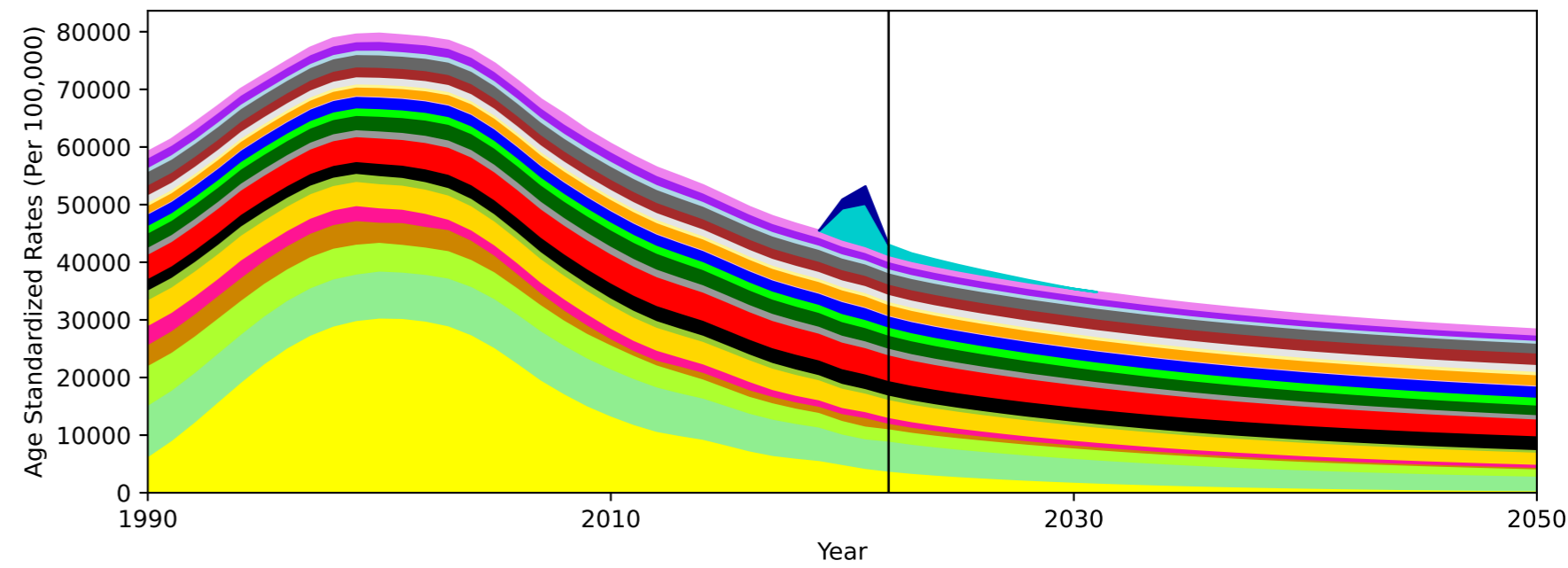


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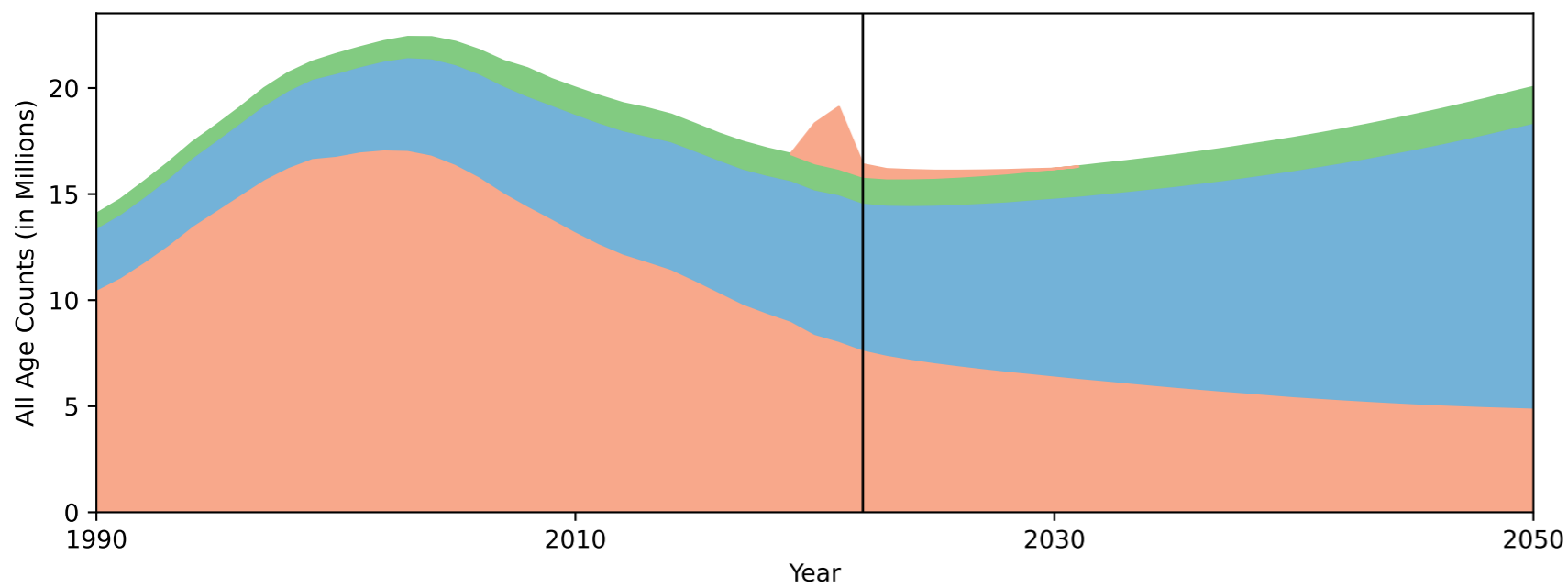
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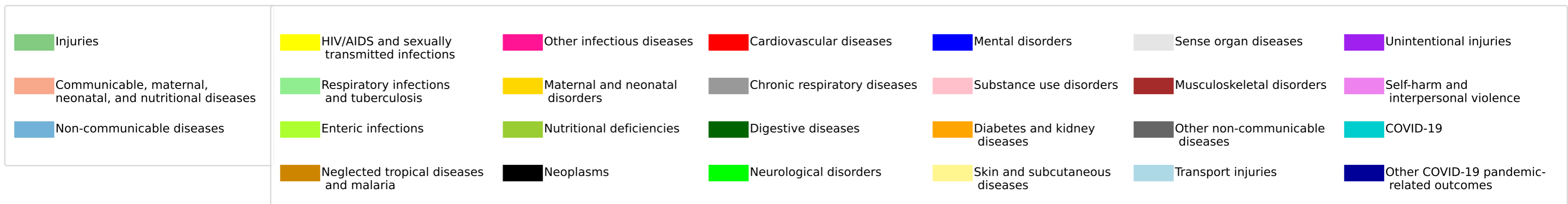
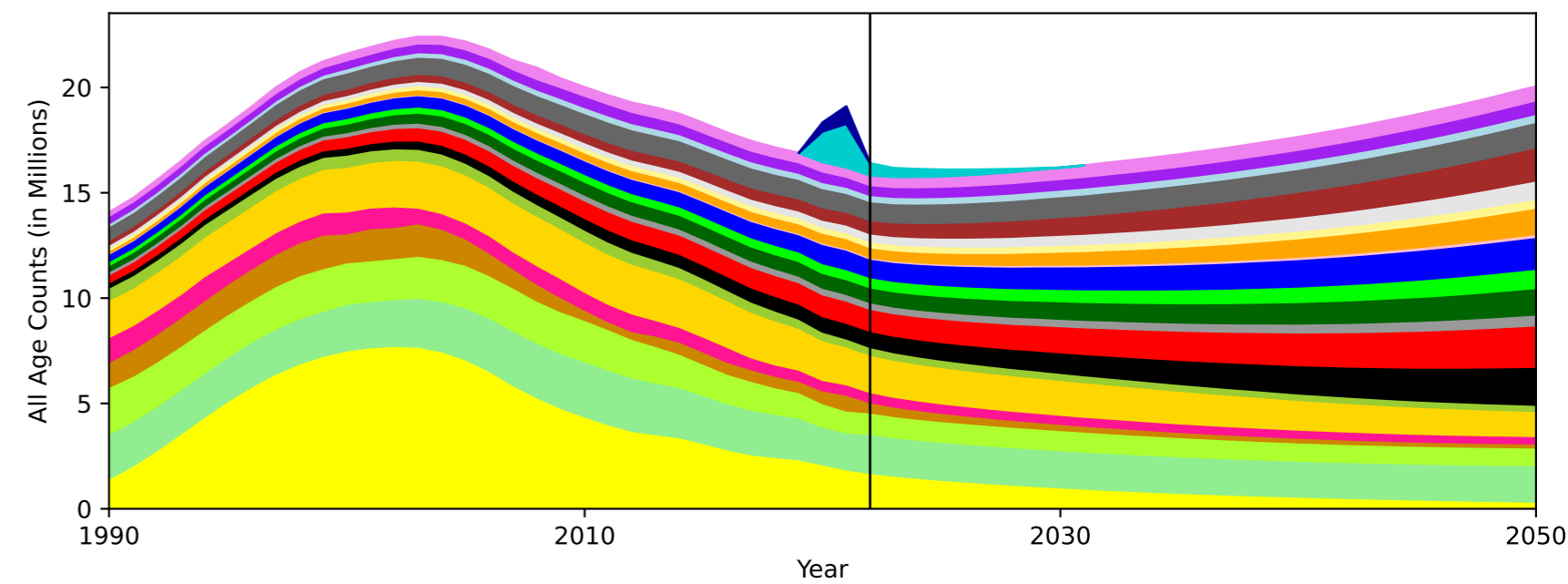
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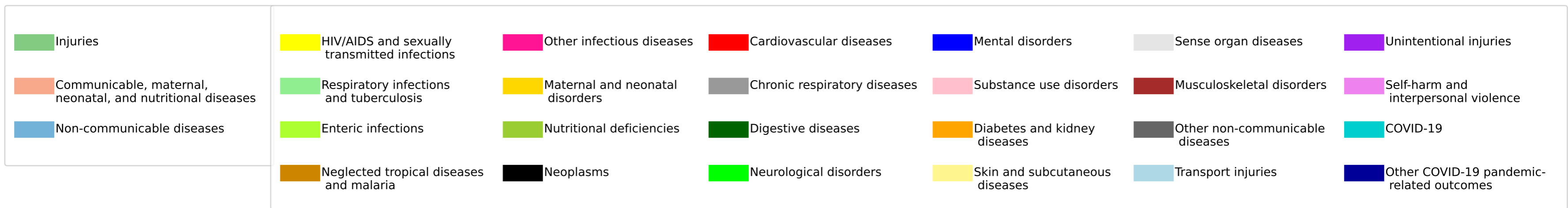
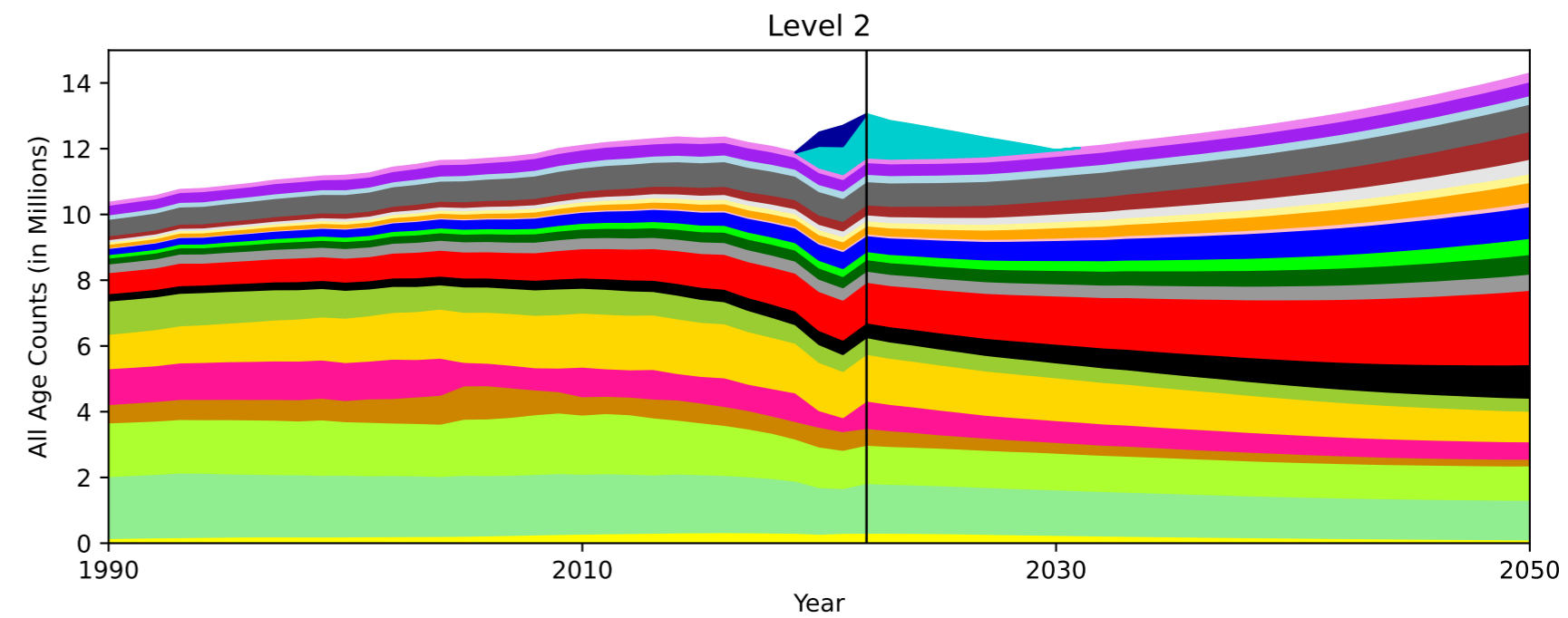
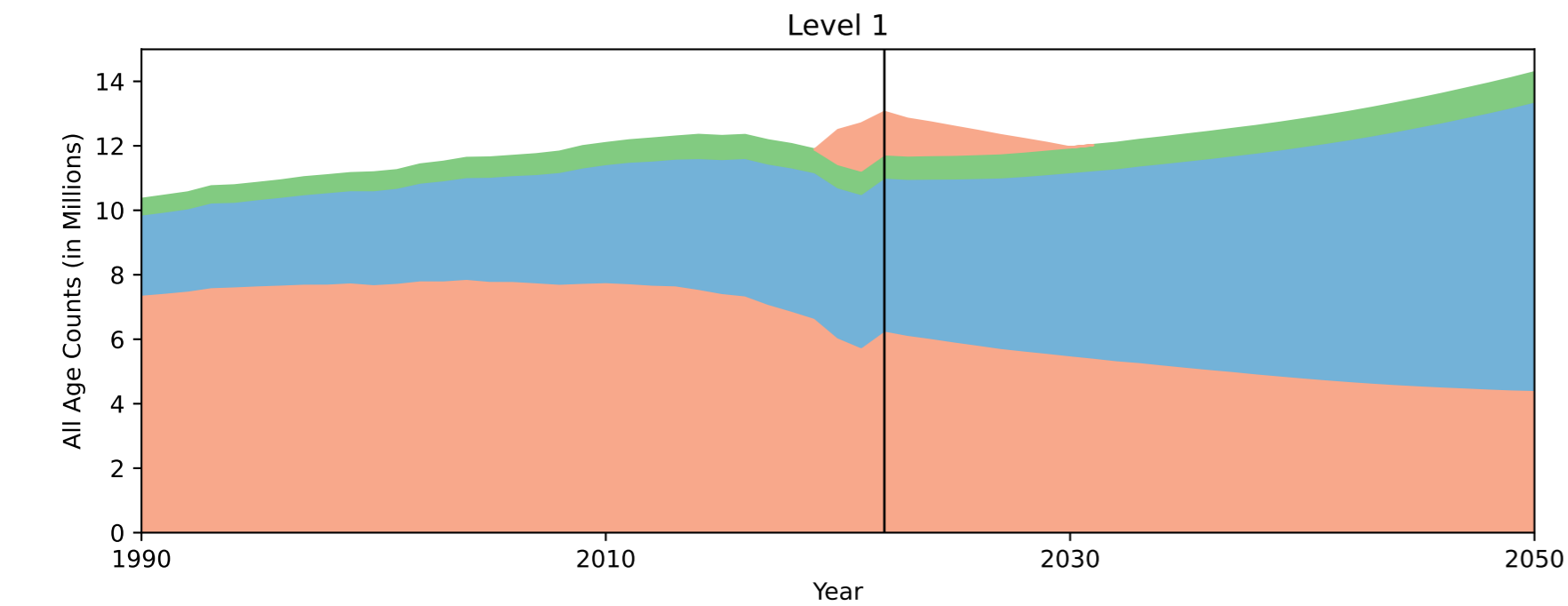
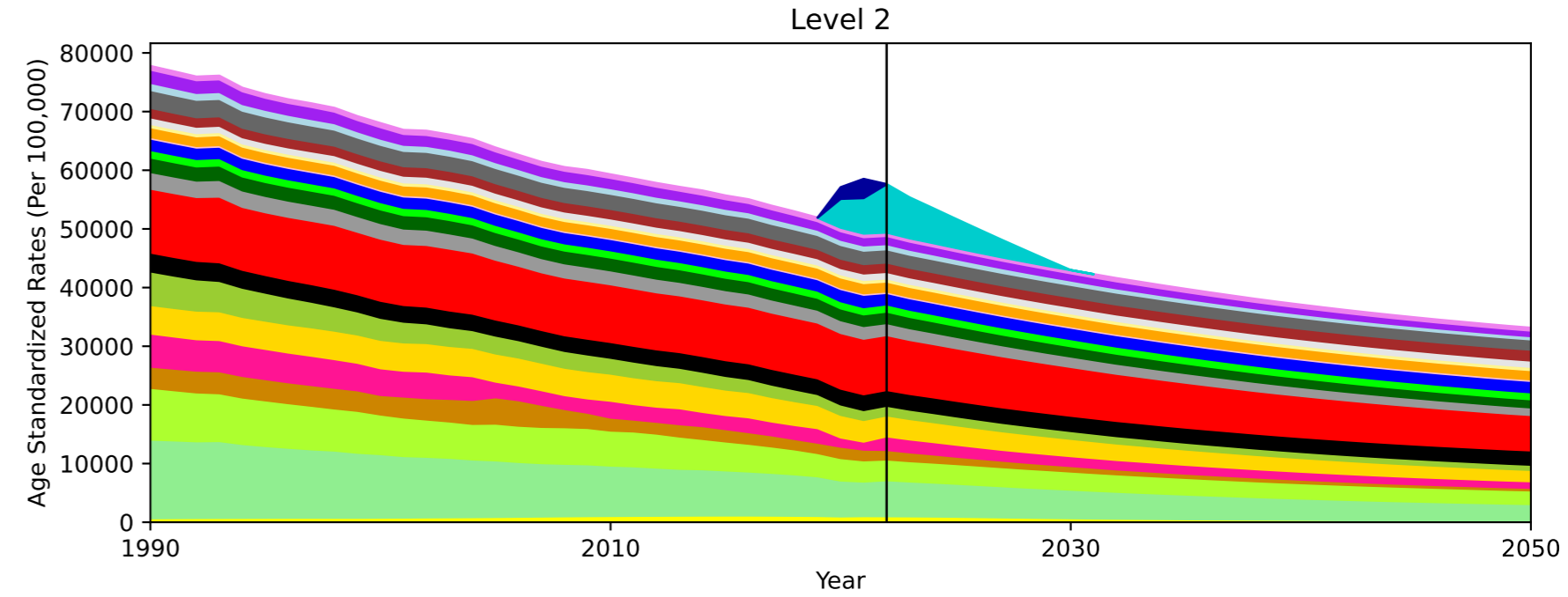
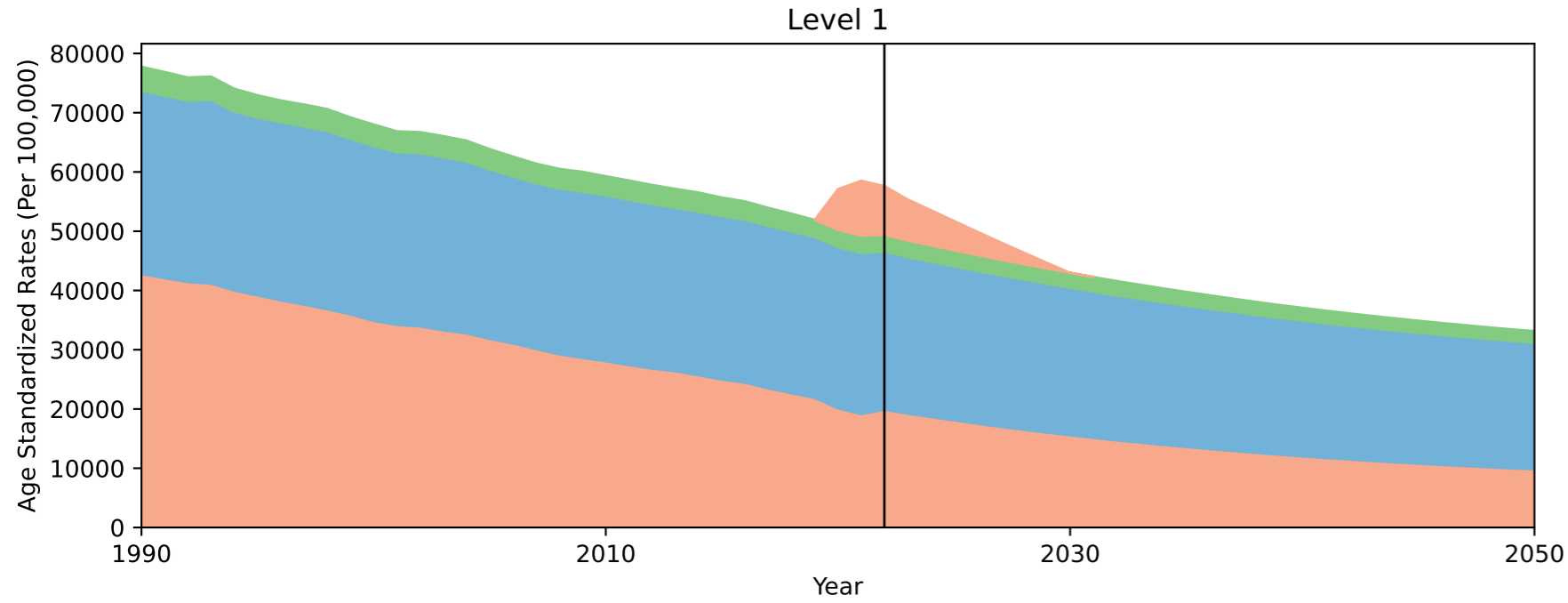
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# Madagascar

Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

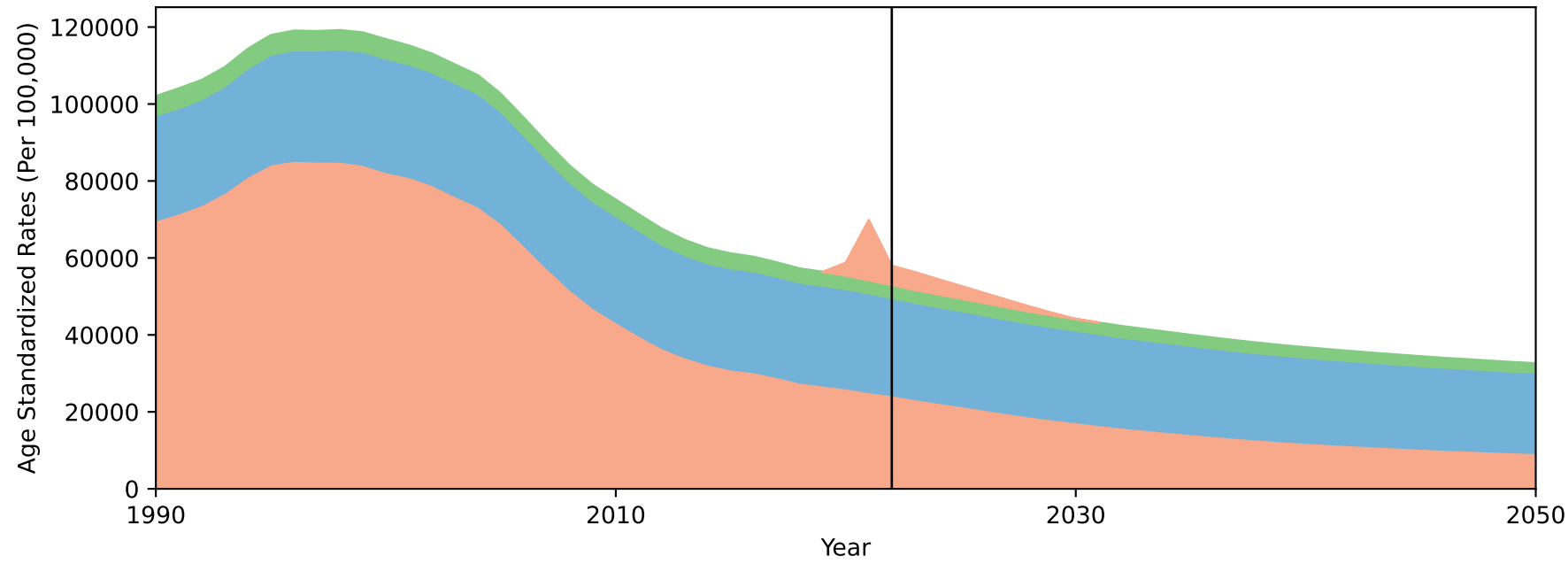
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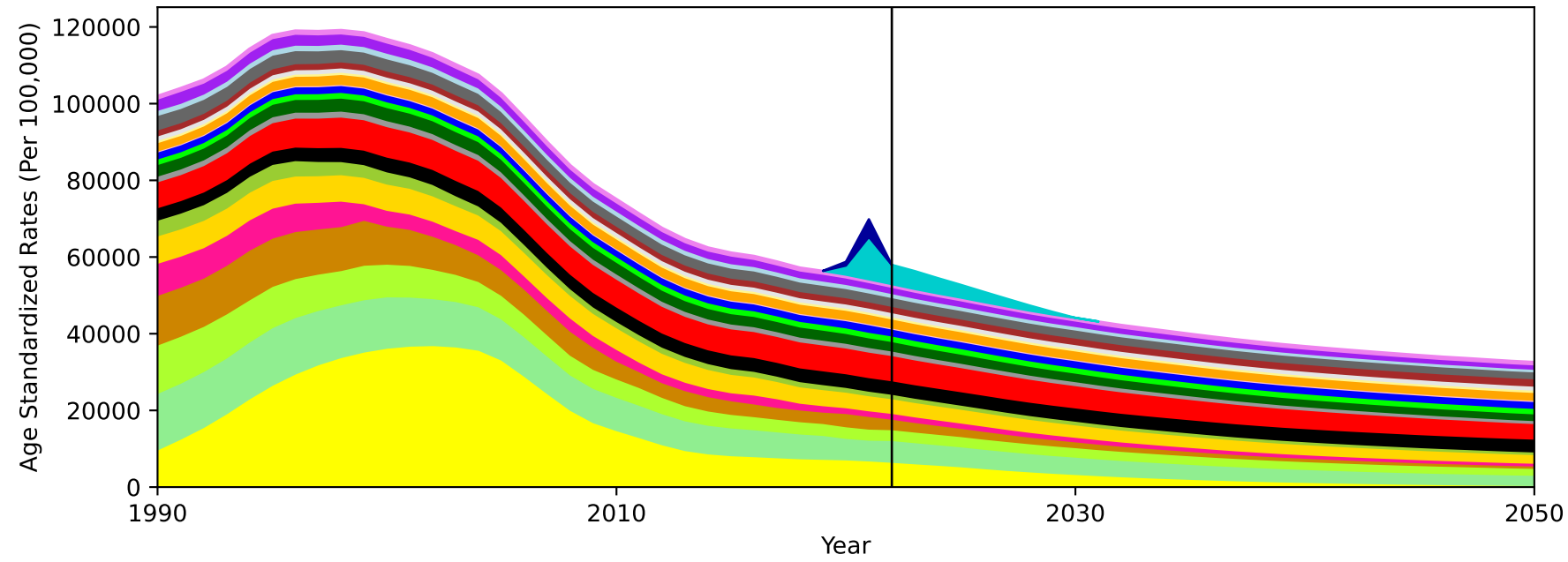


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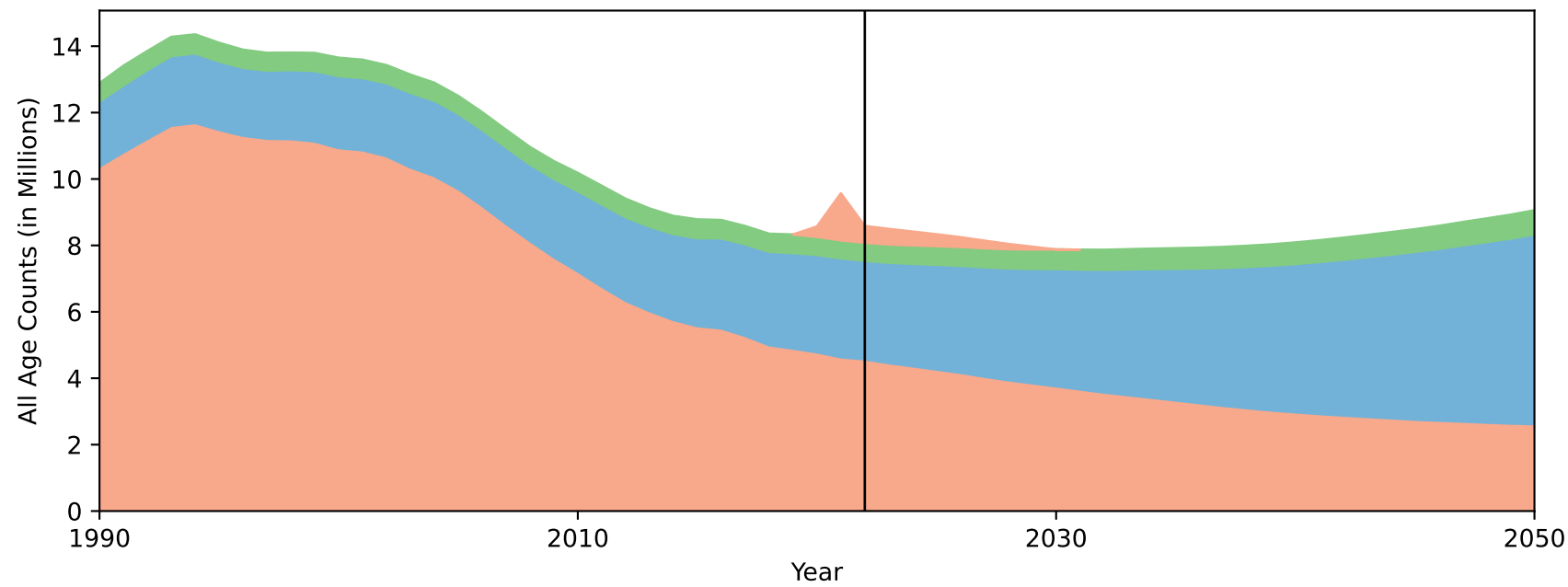
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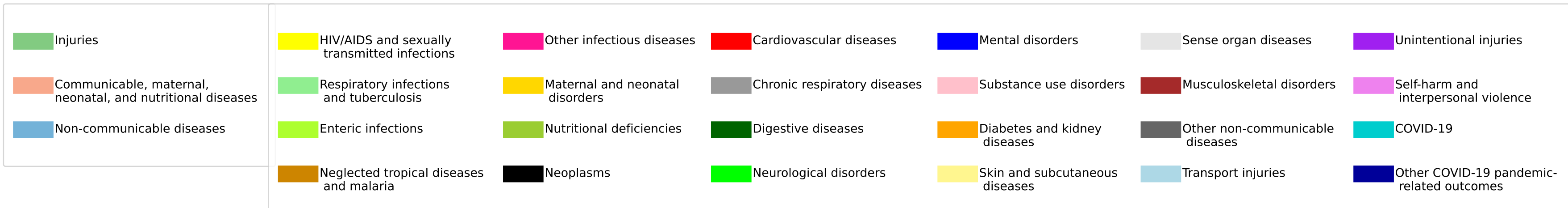
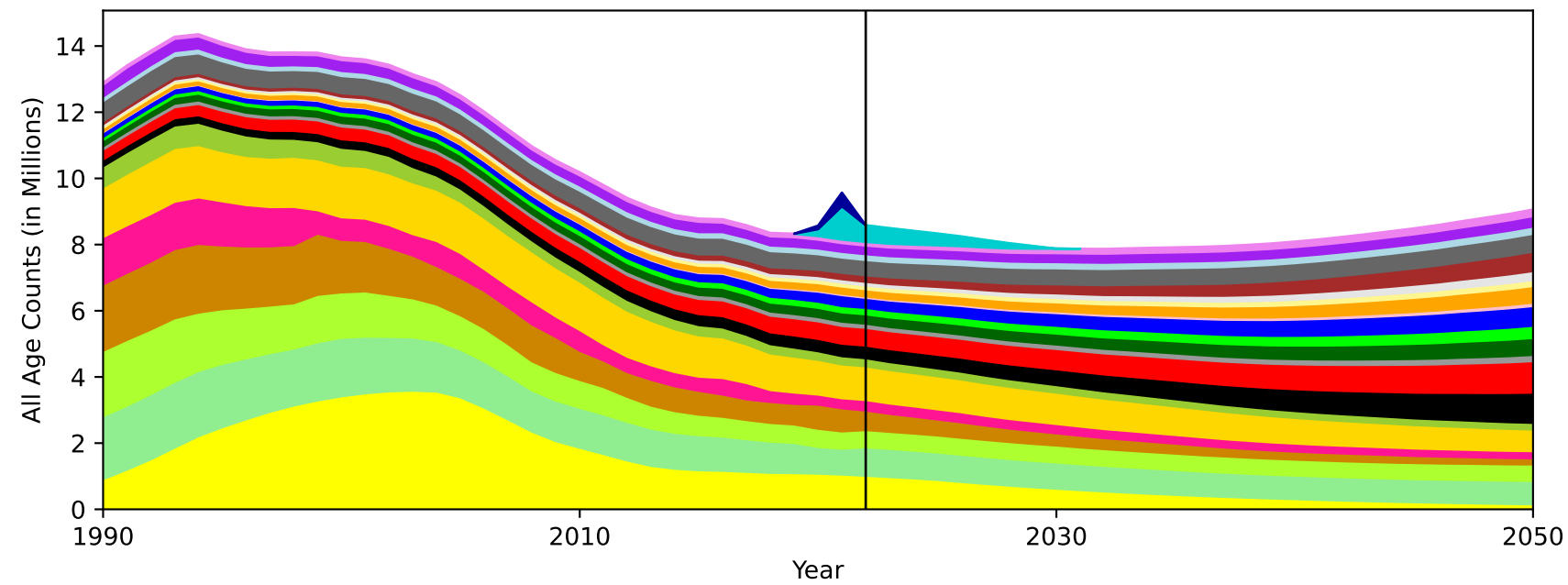
Level 2



Level 1



Level 2

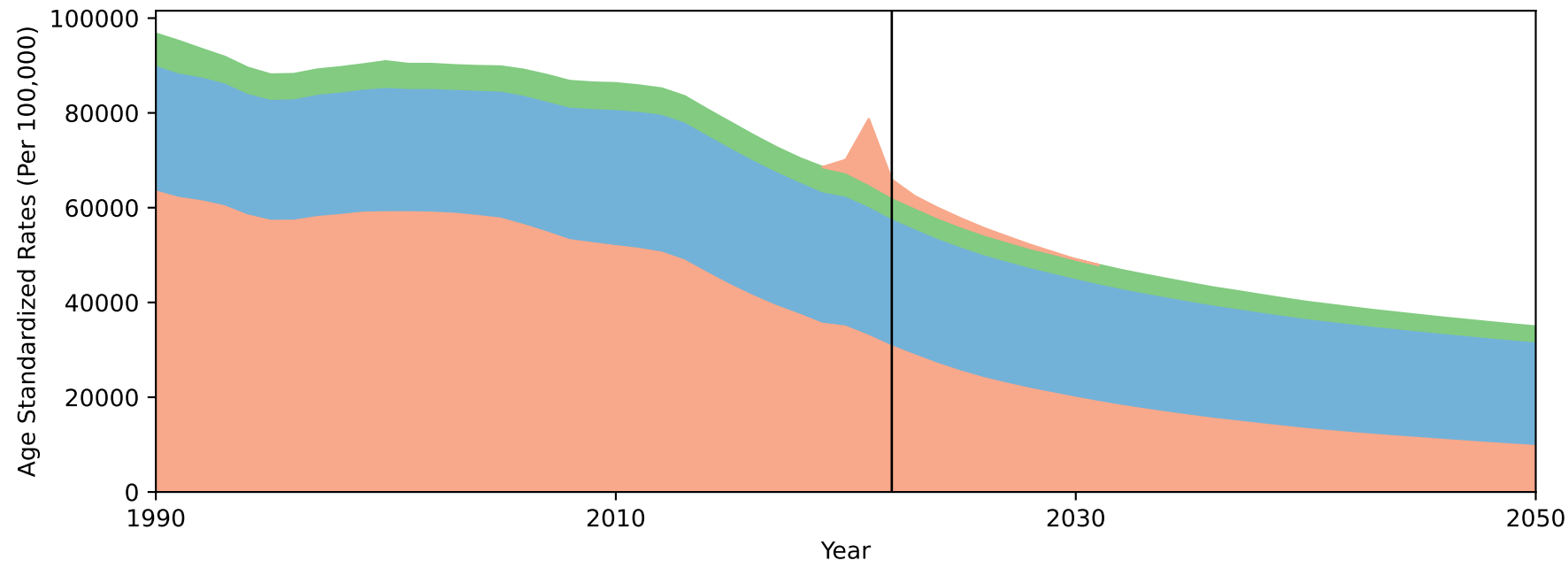


# Mozambique

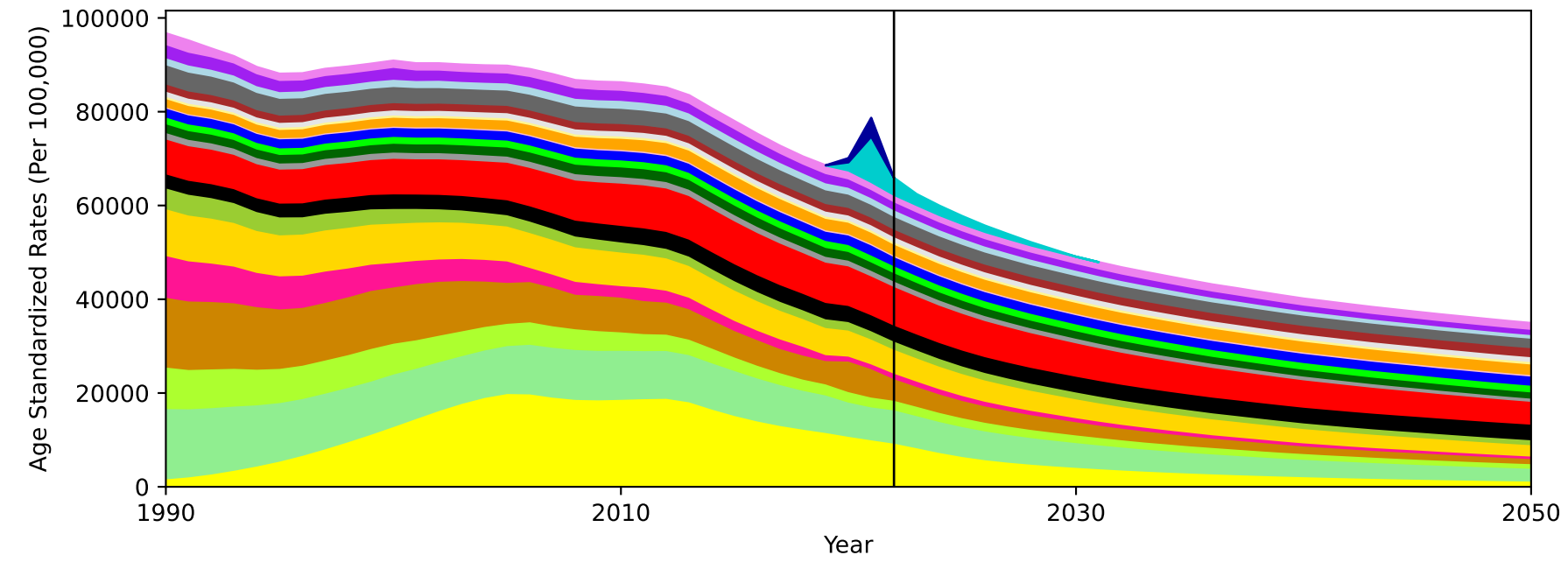
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

417

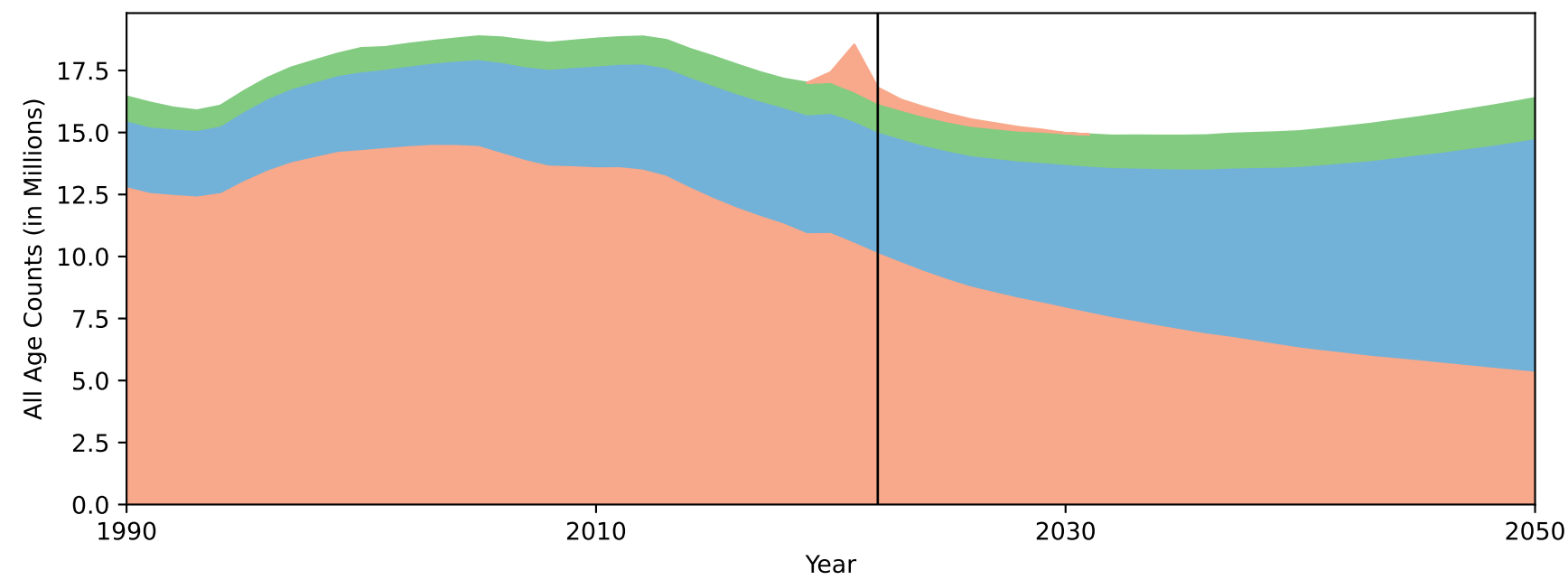
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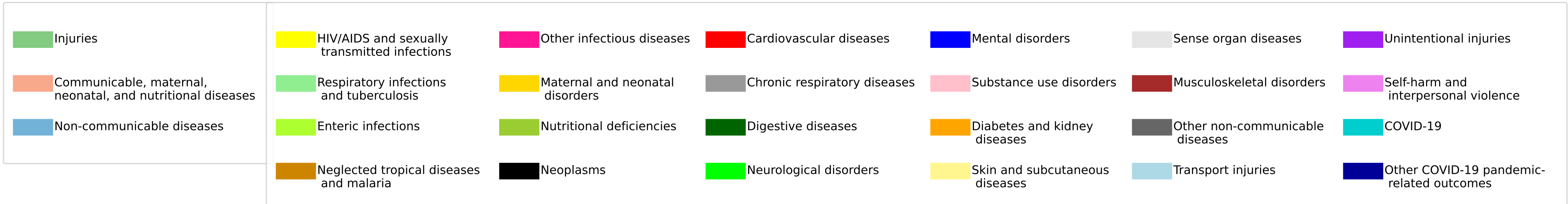
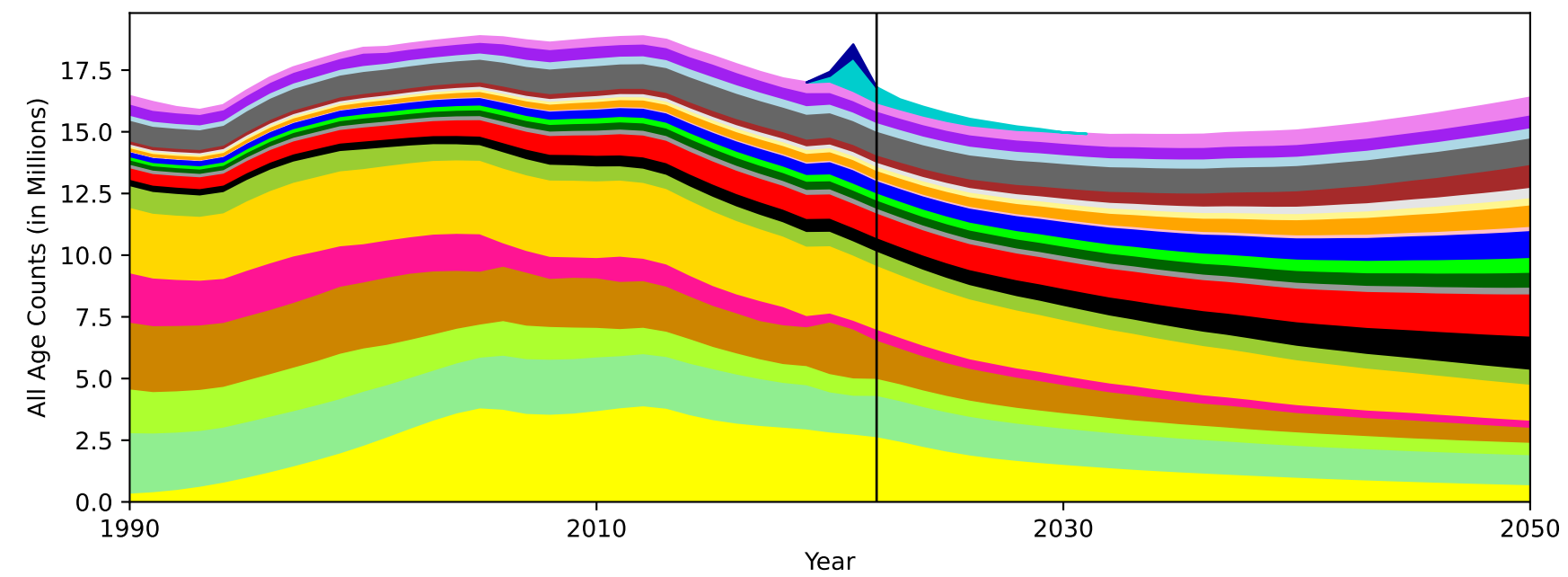
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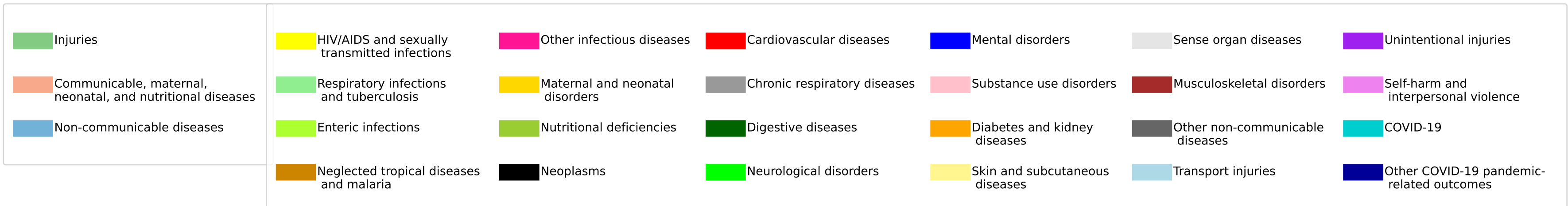
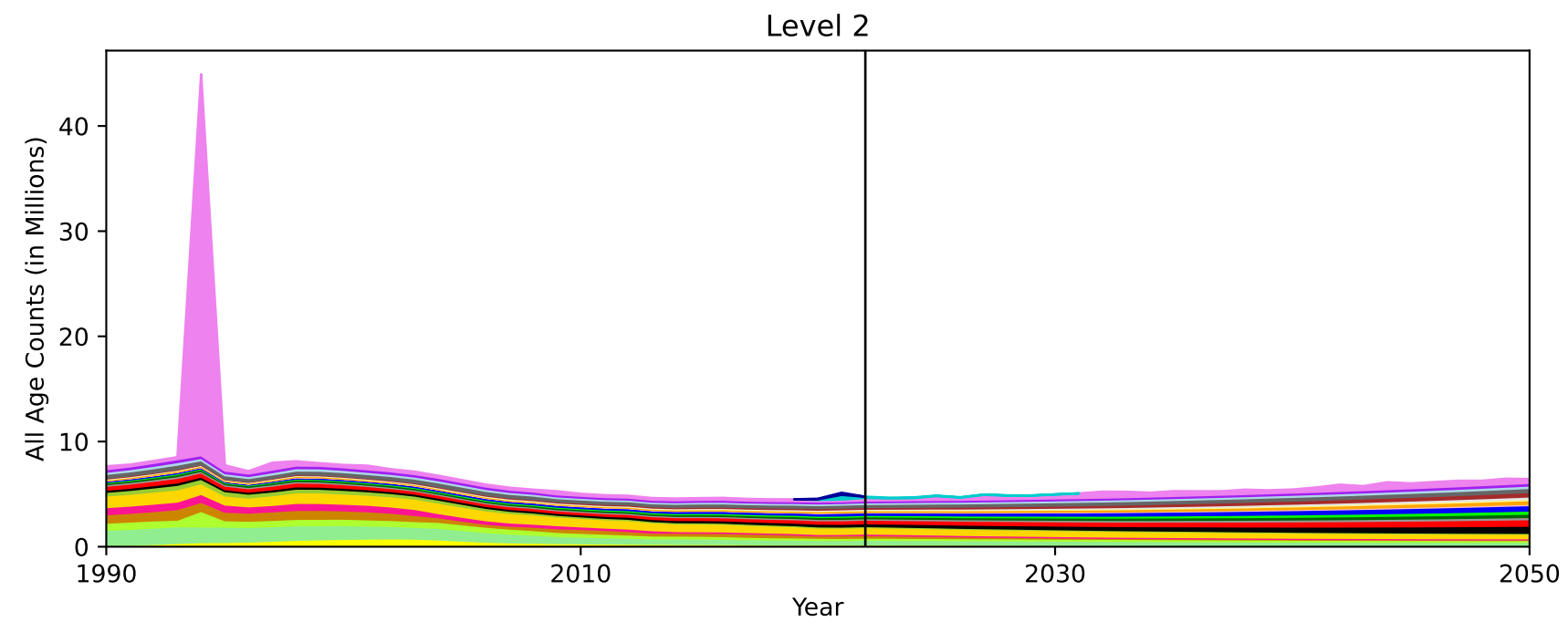
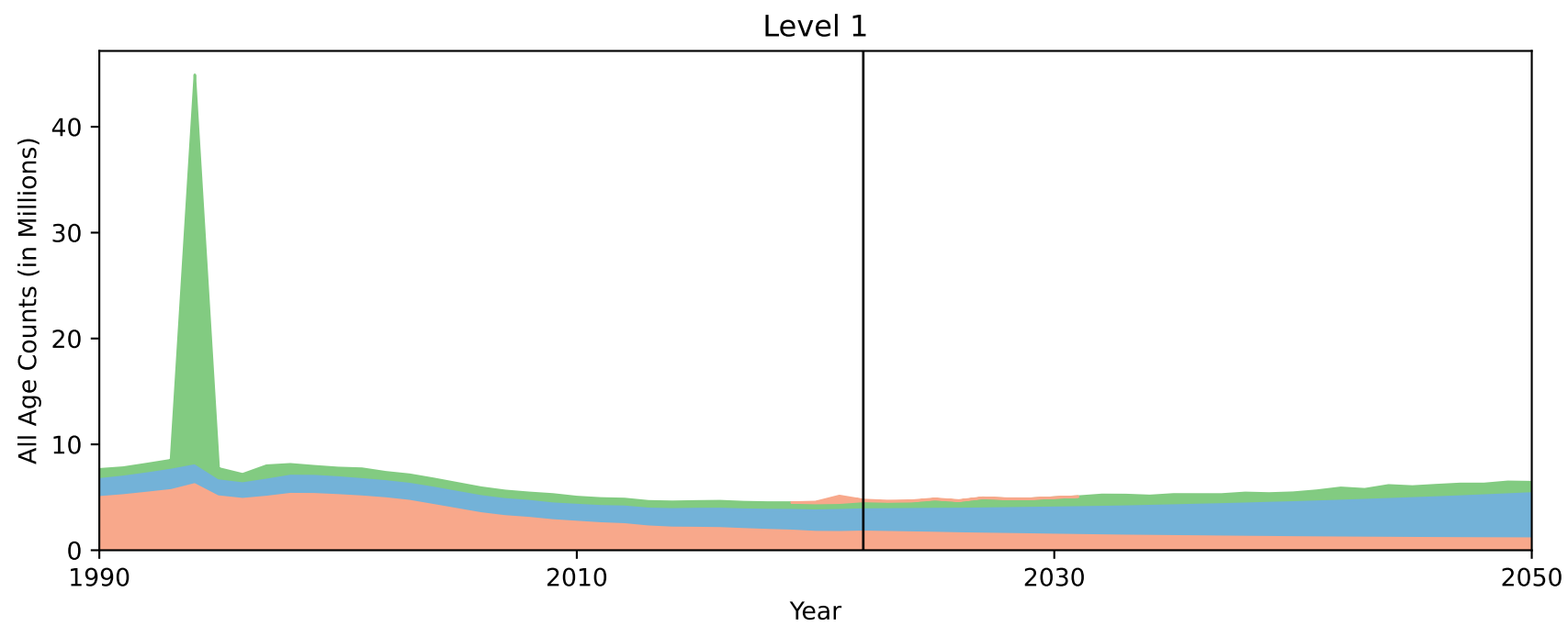
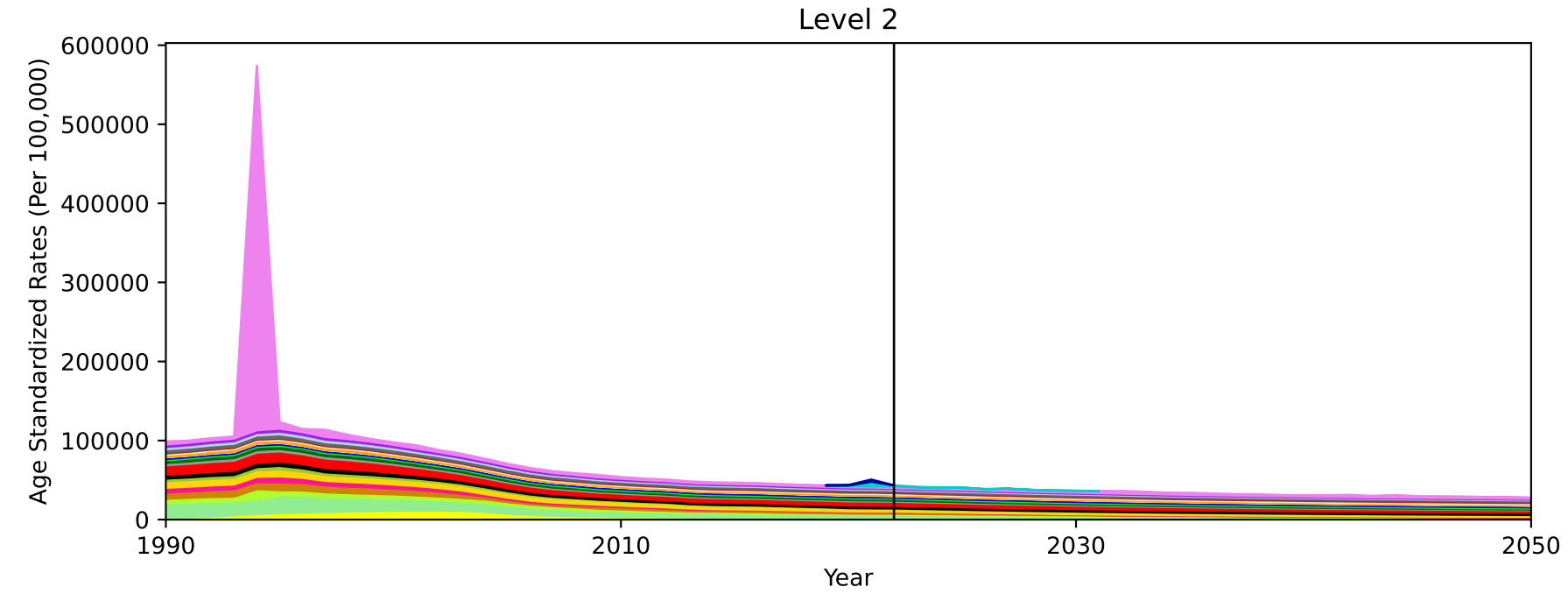
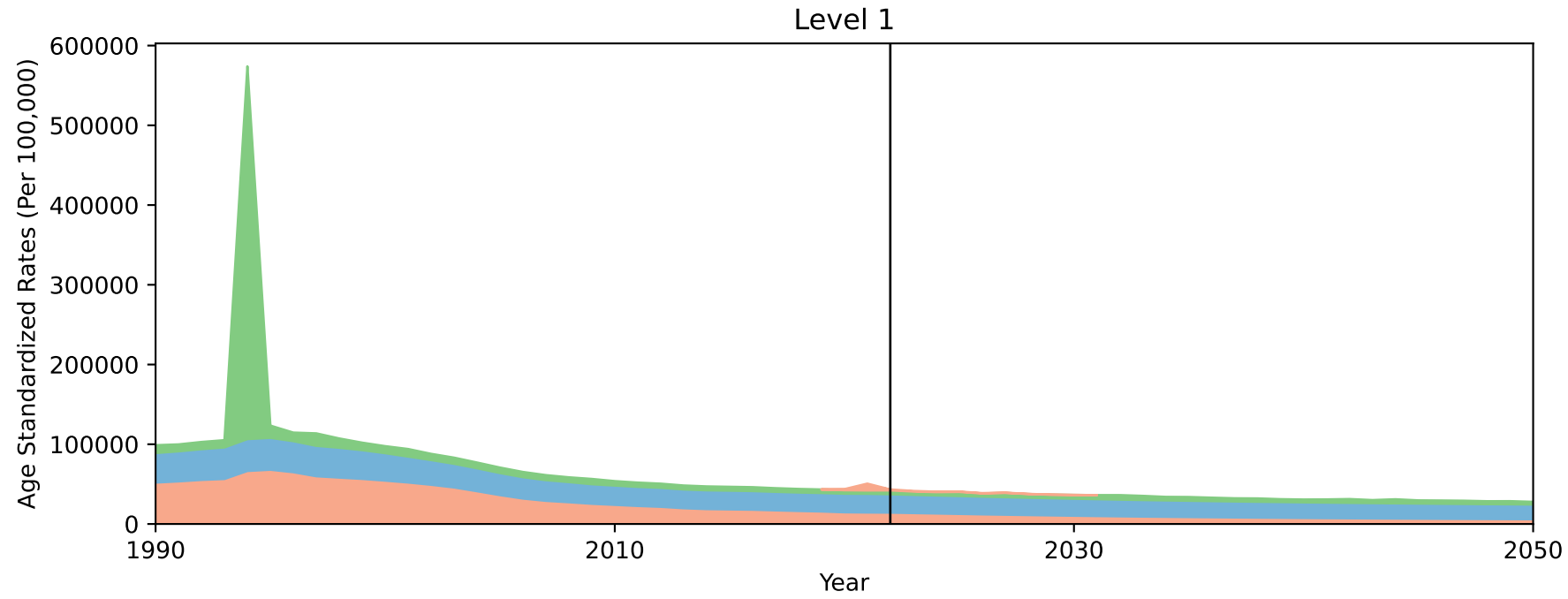
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Level 2

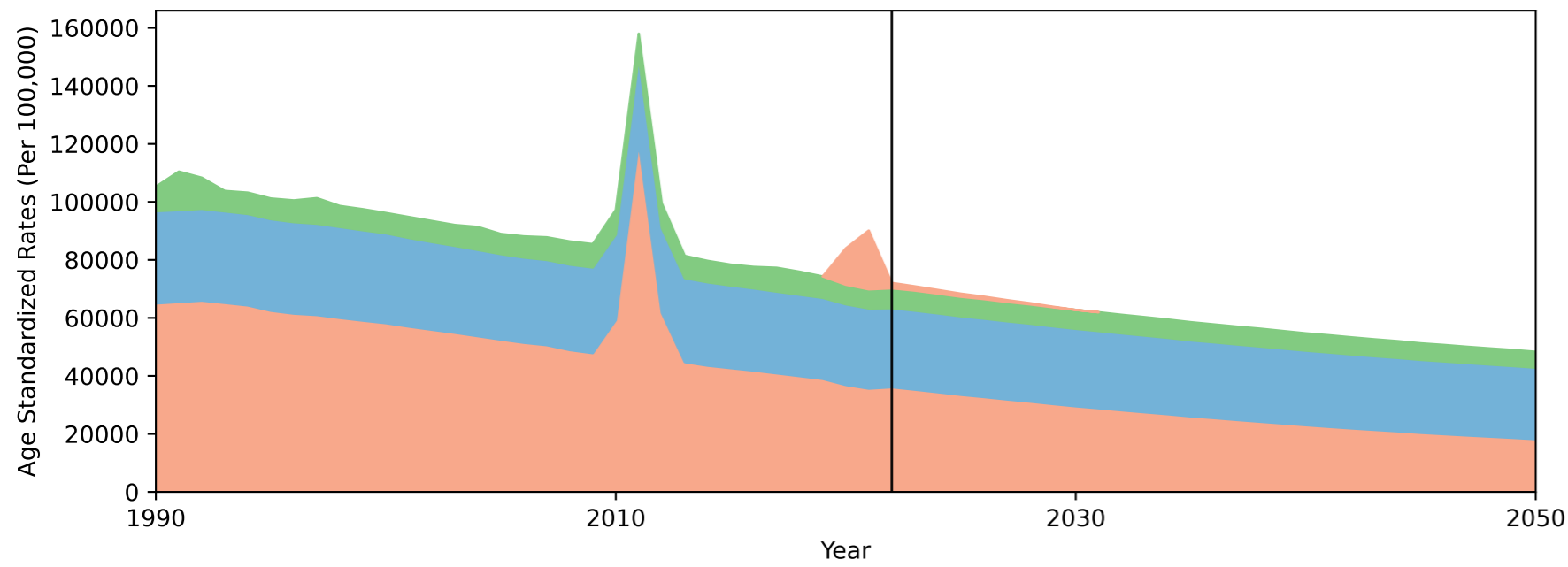


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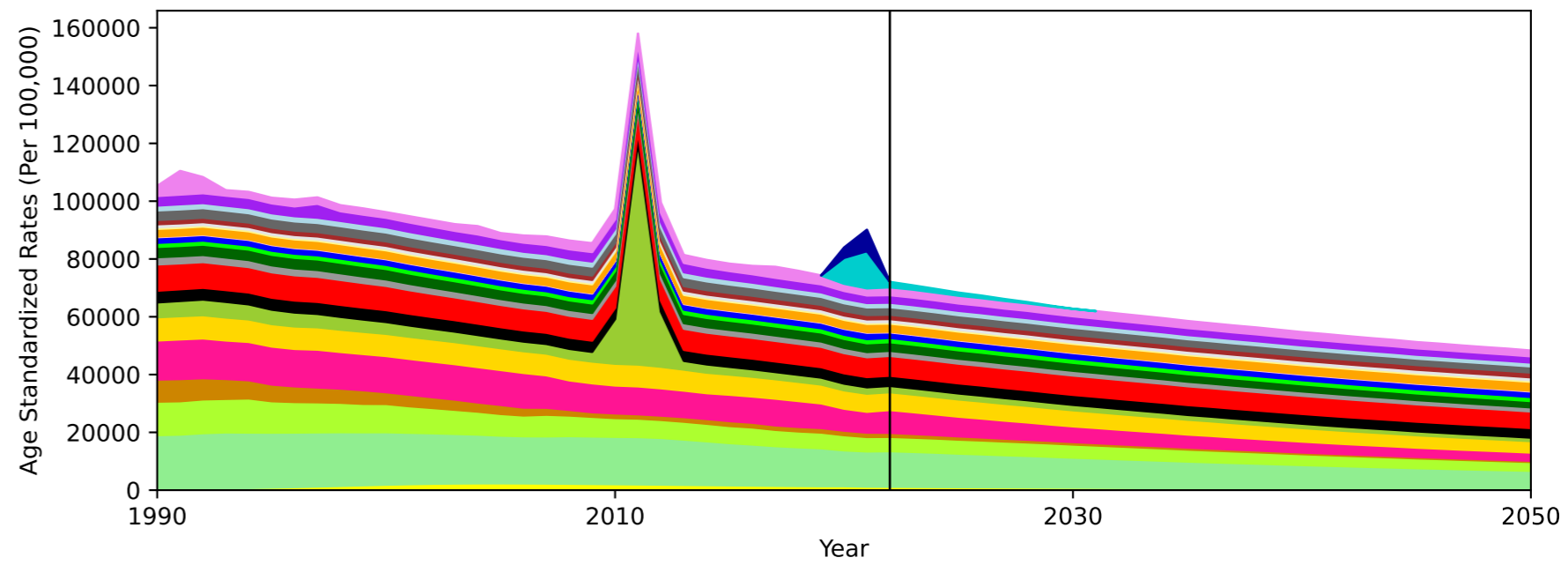


# Somalia

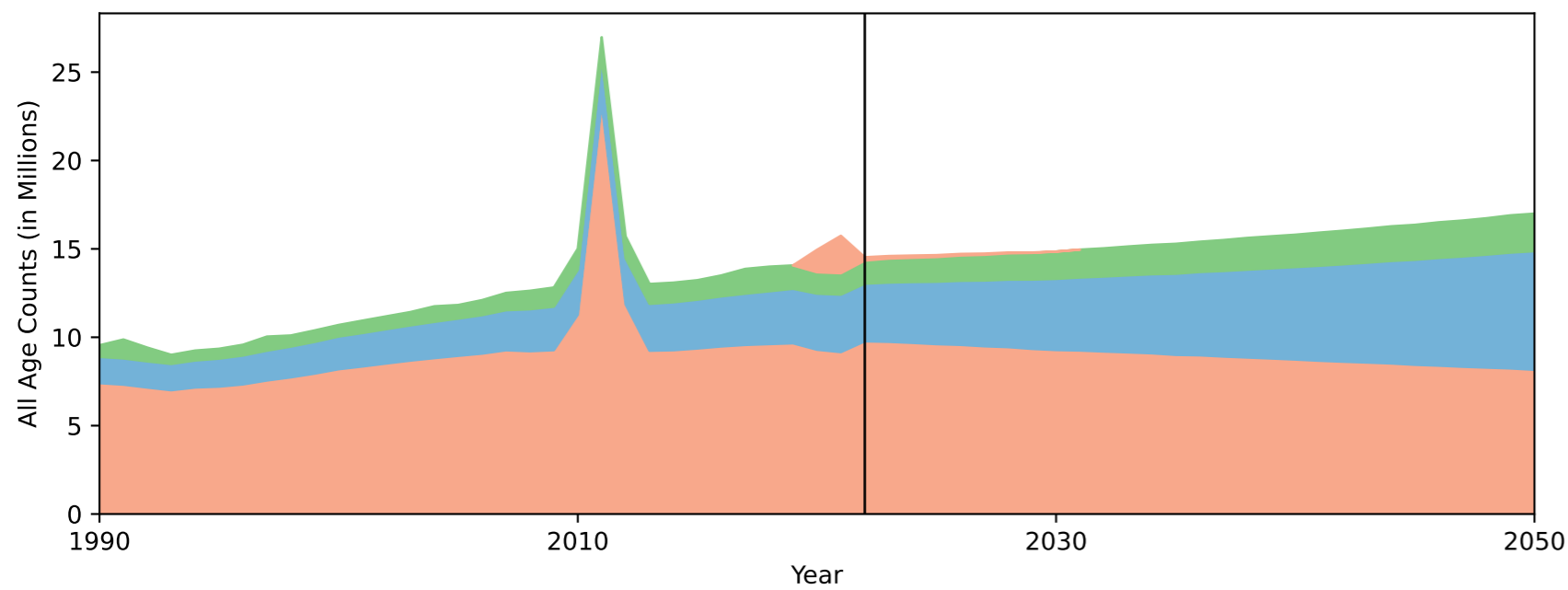
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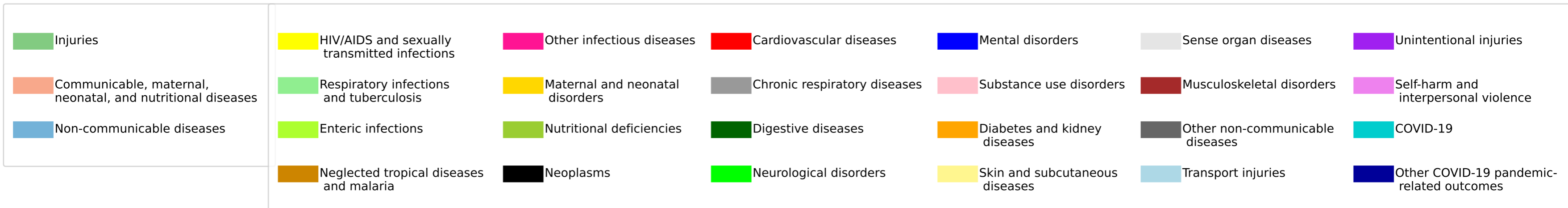
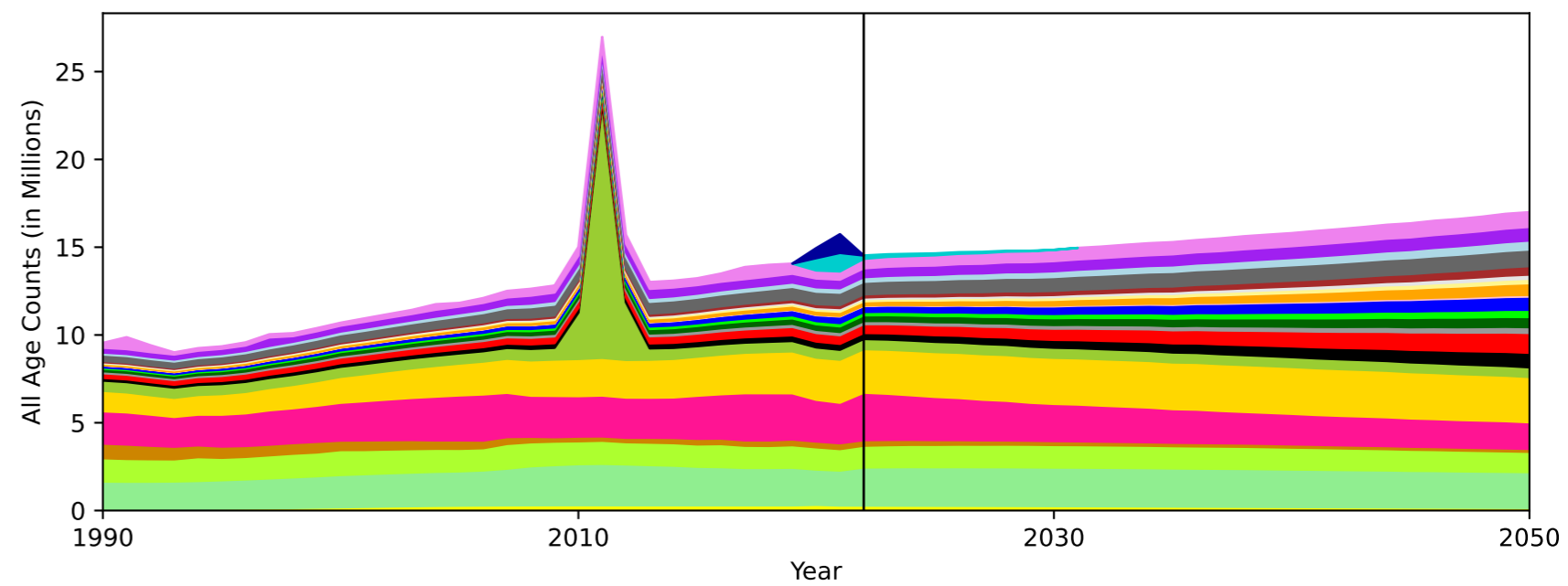
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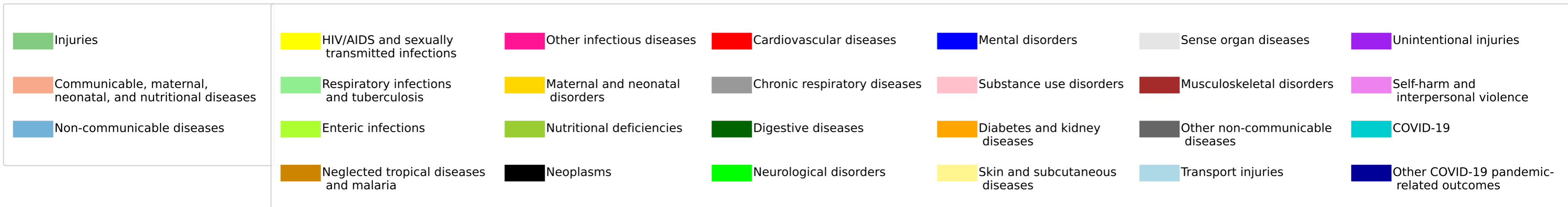
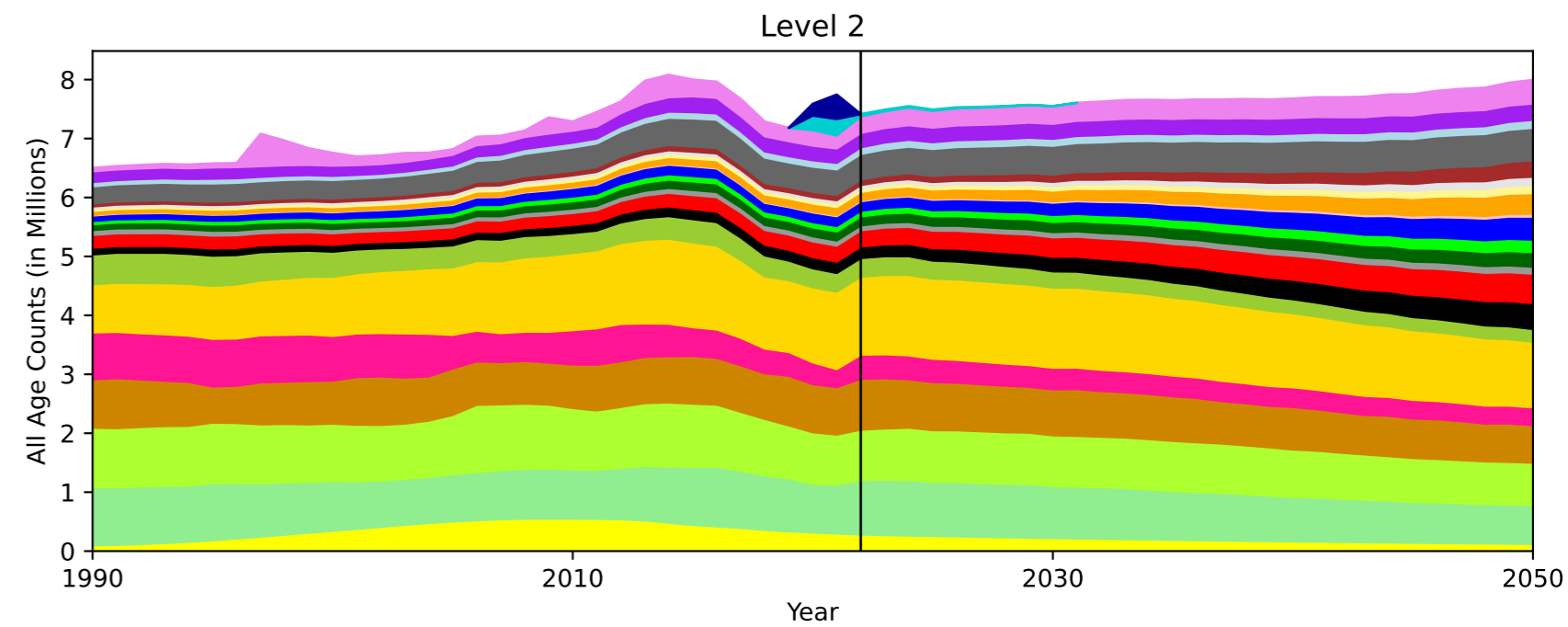
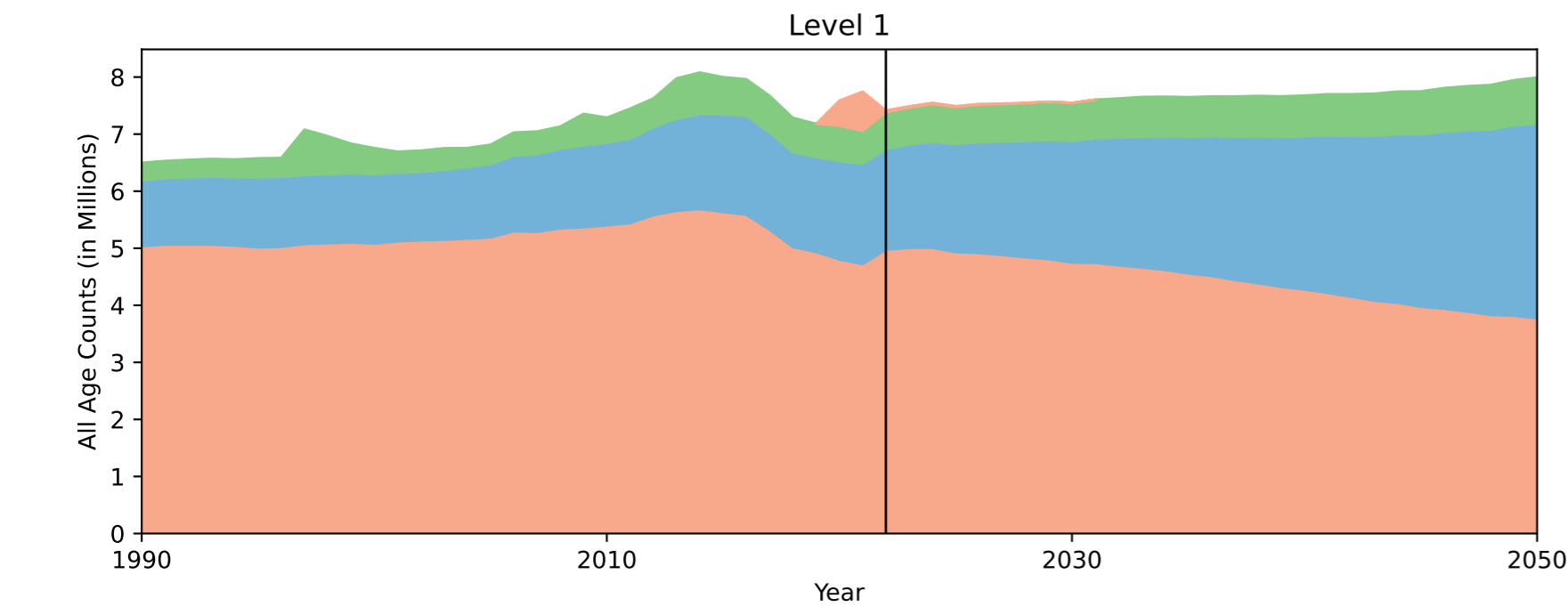
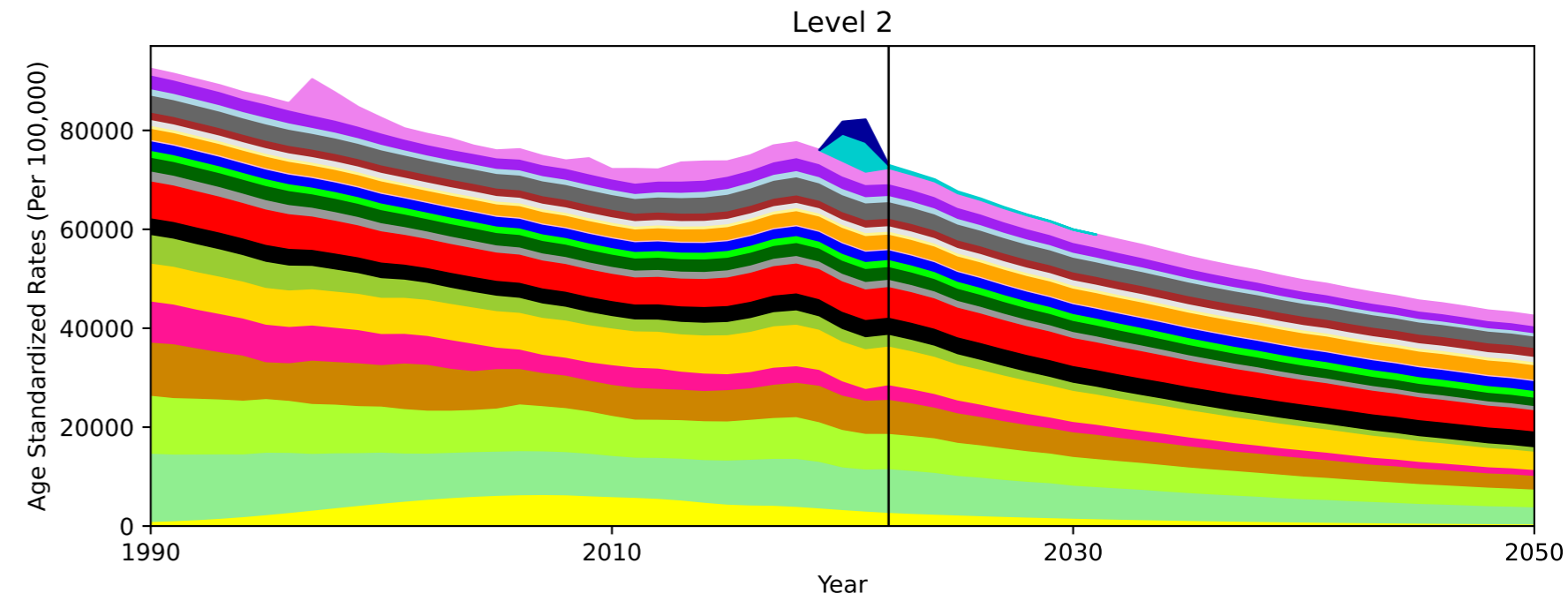
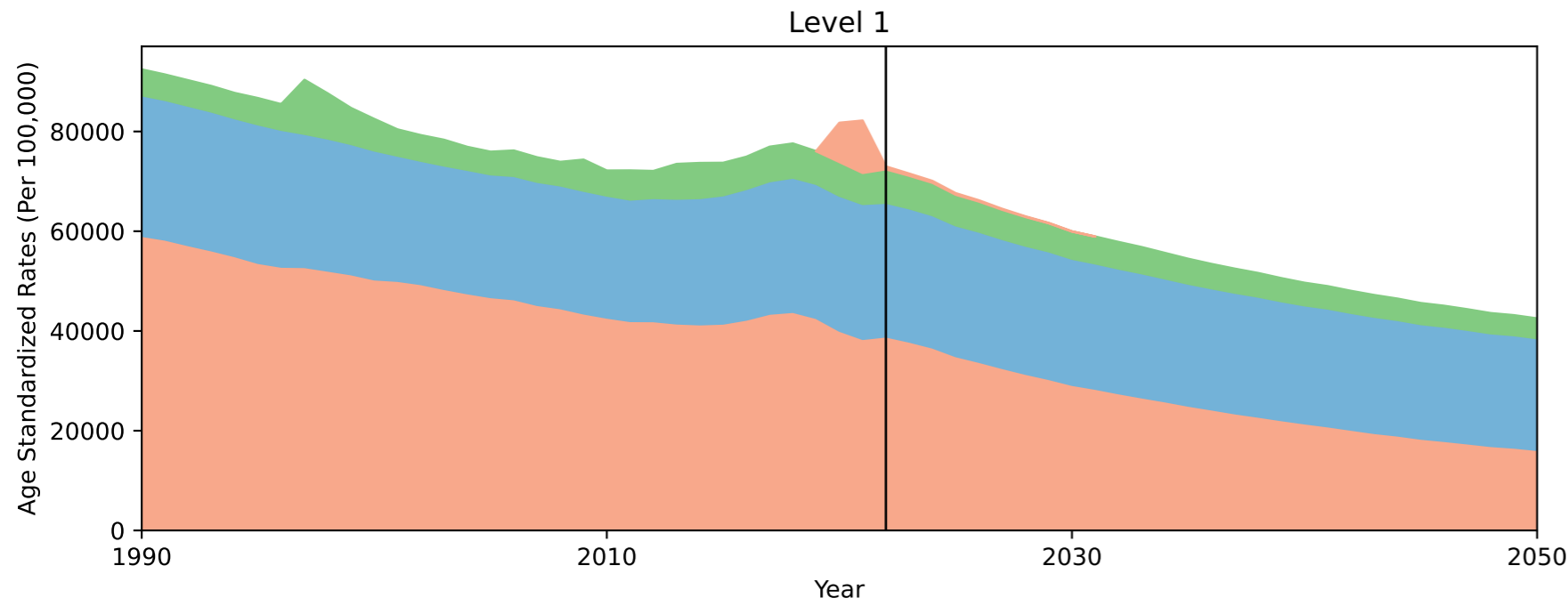
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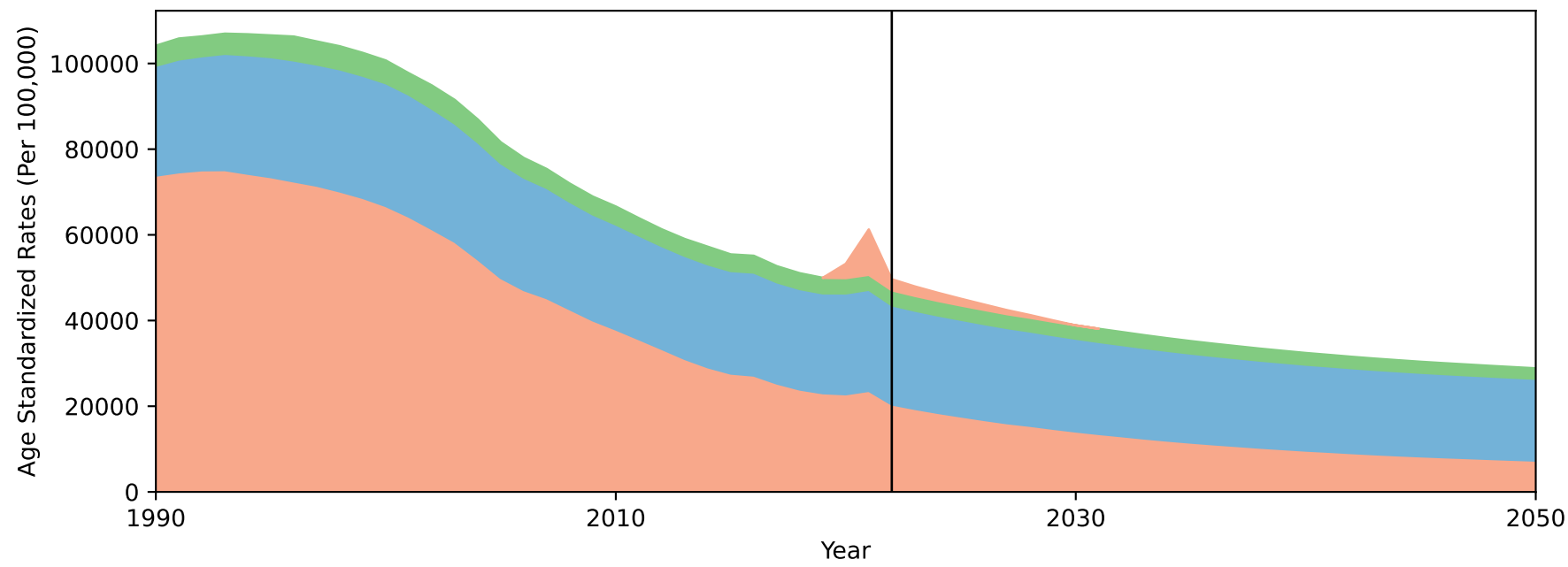


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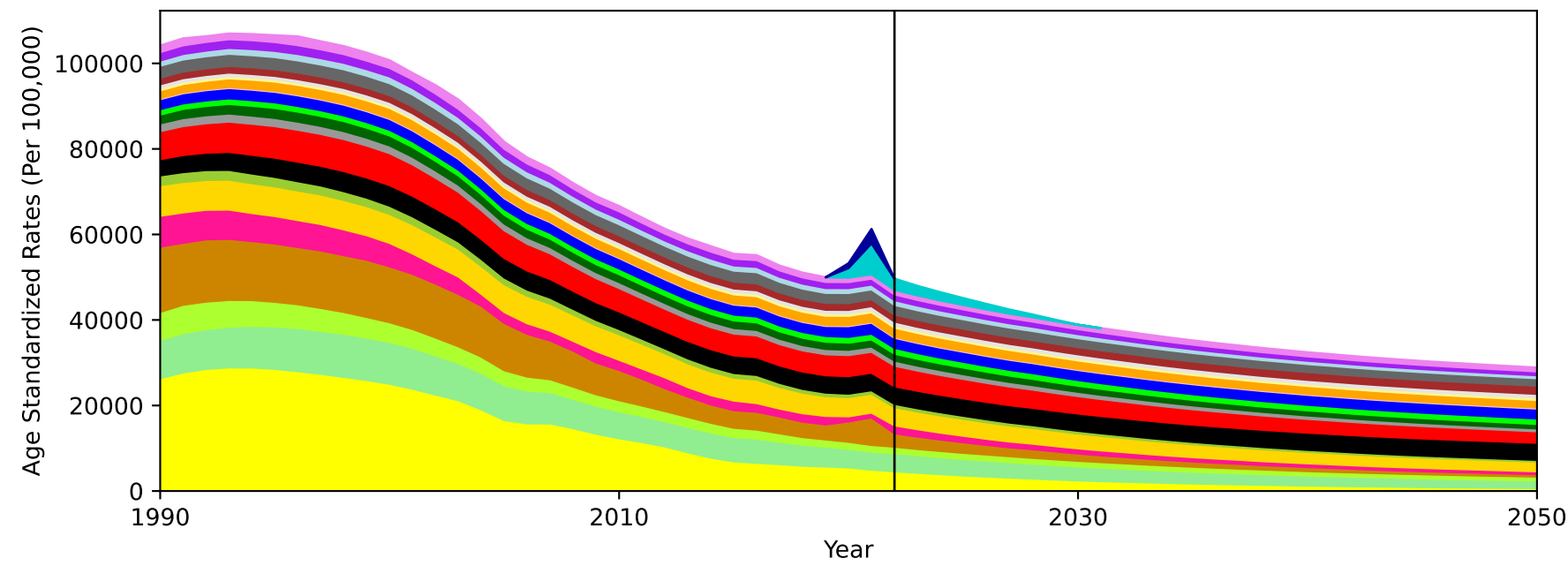


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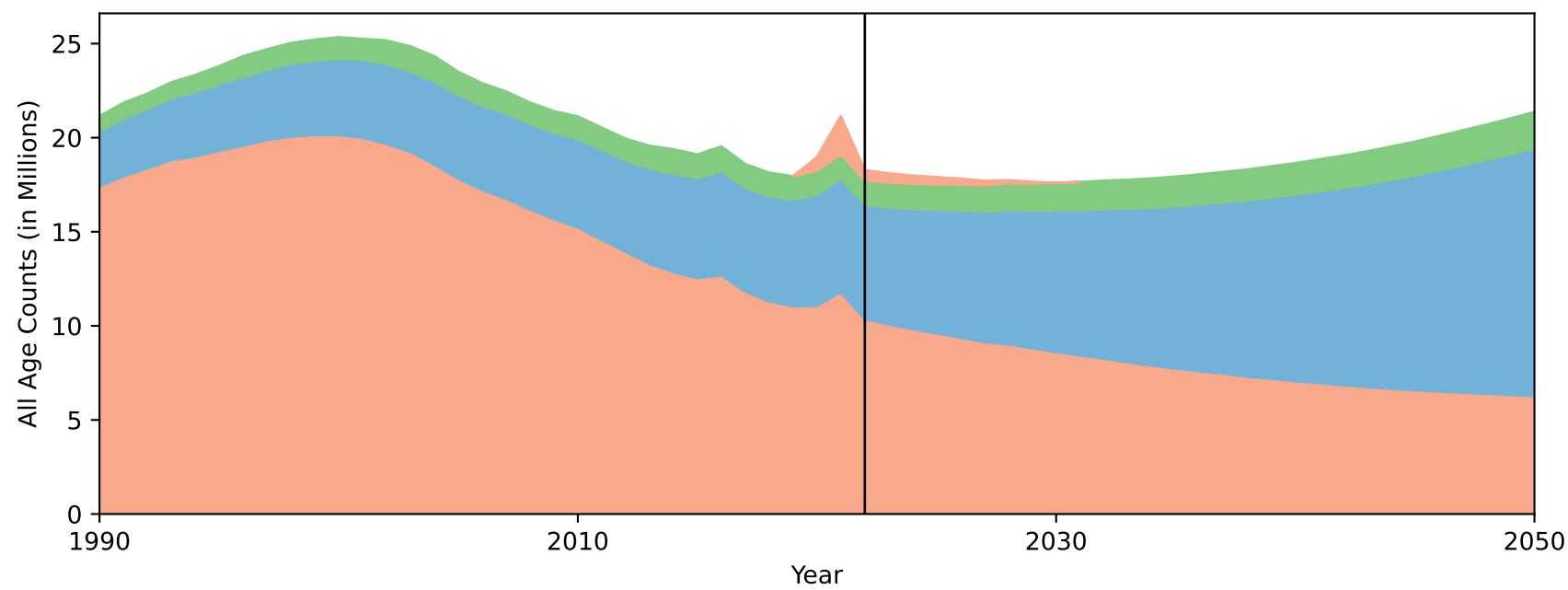
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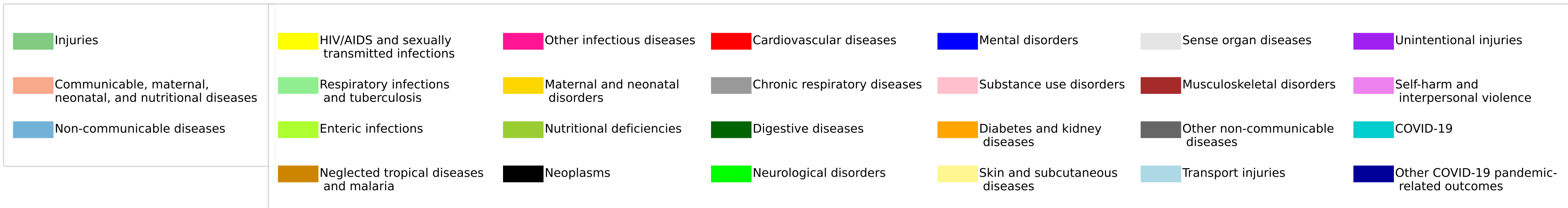
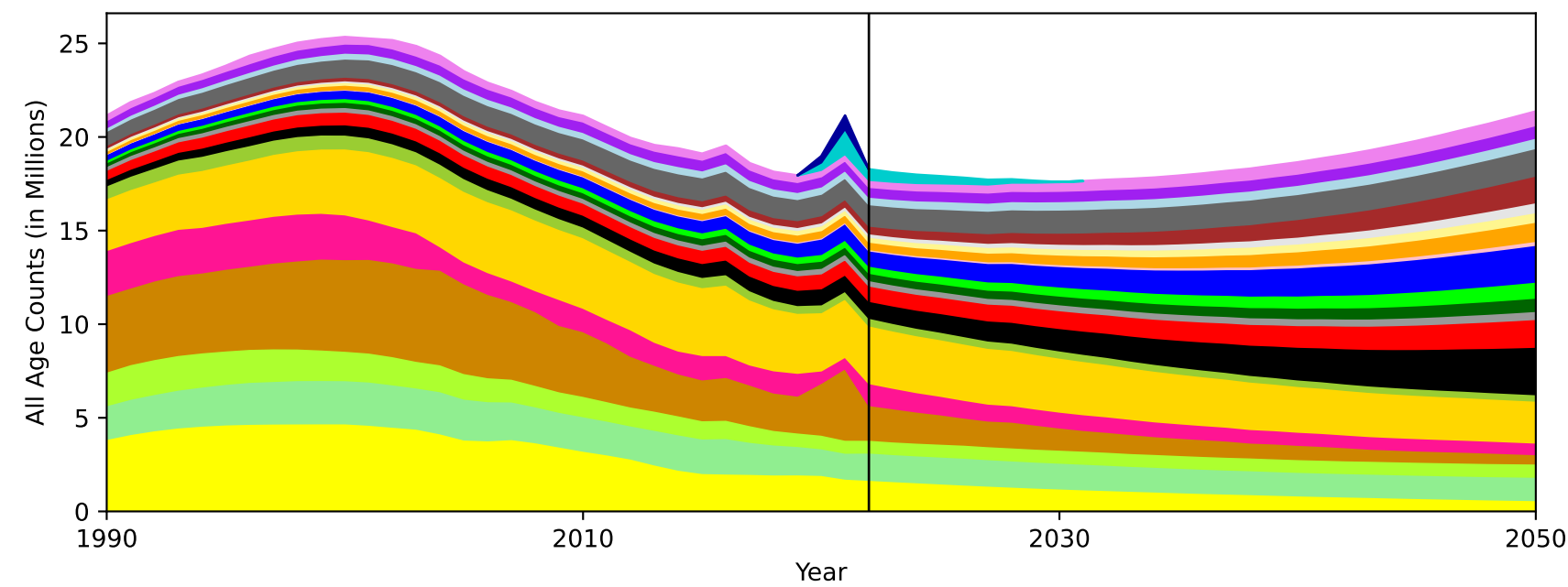
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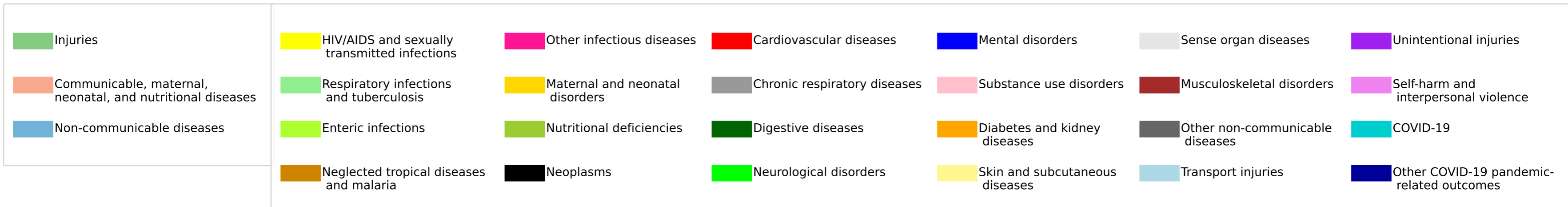
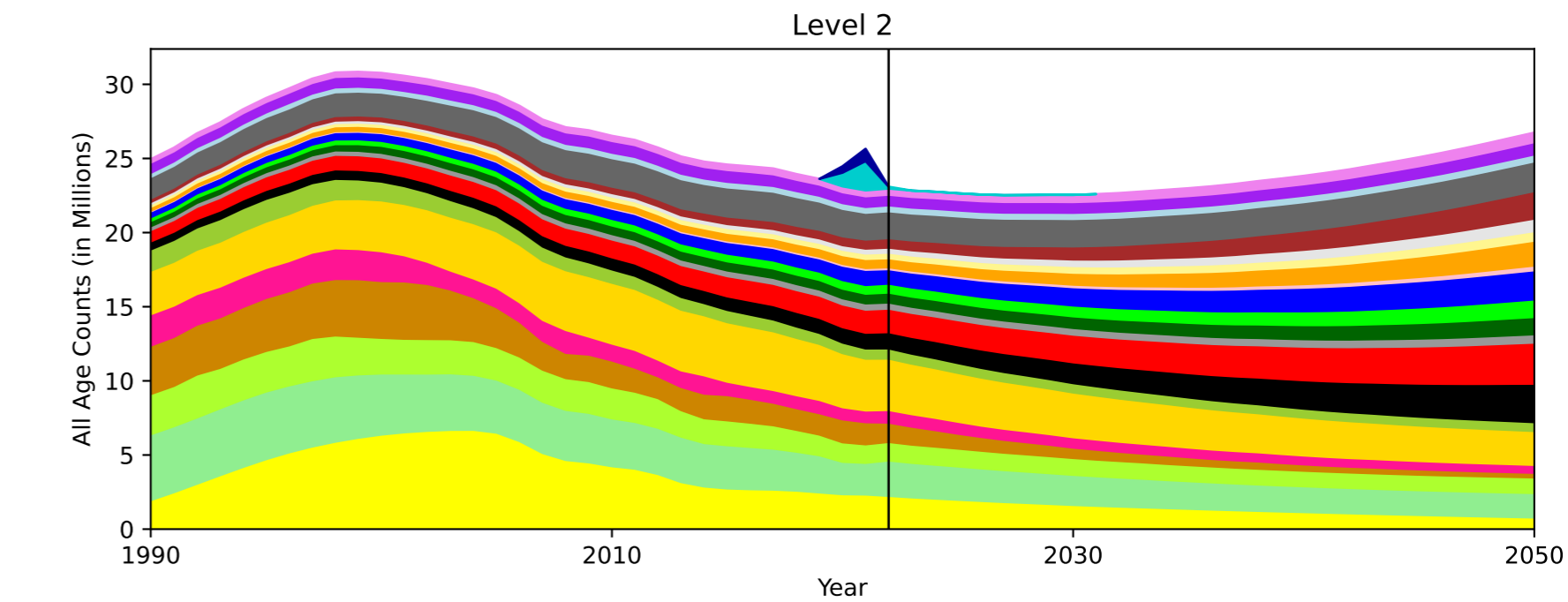
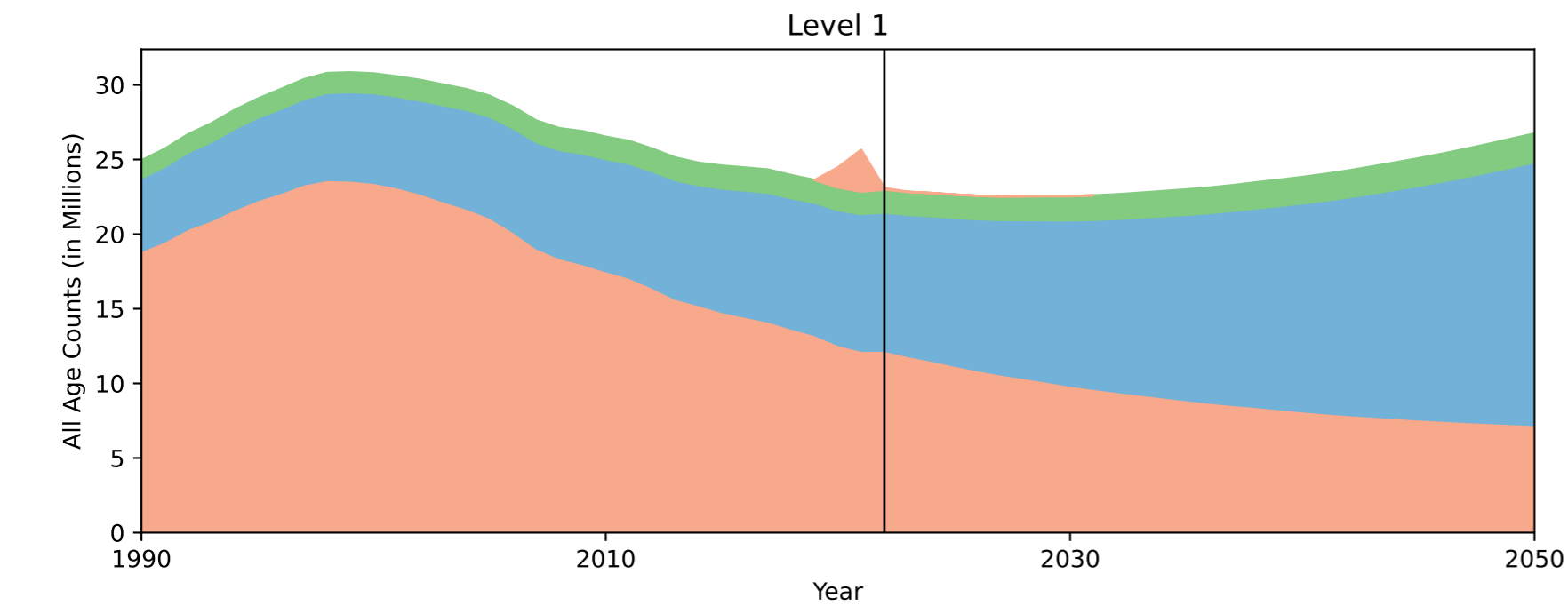
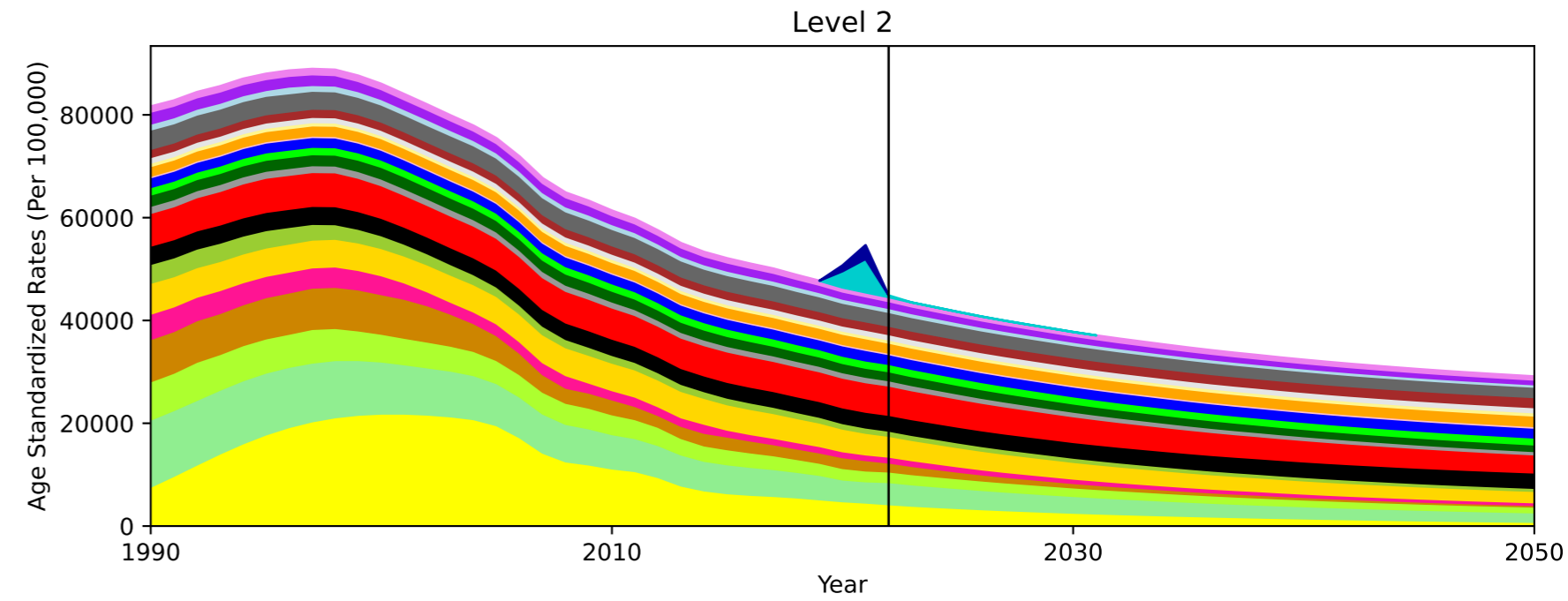
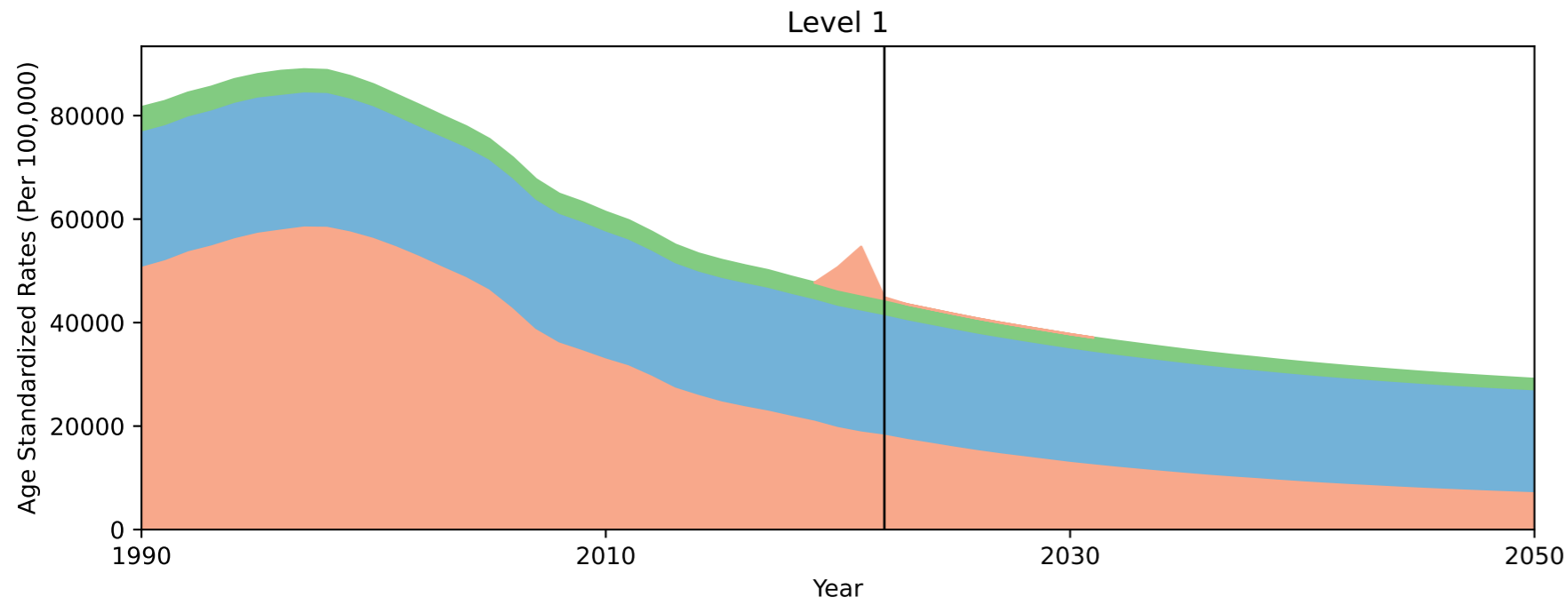
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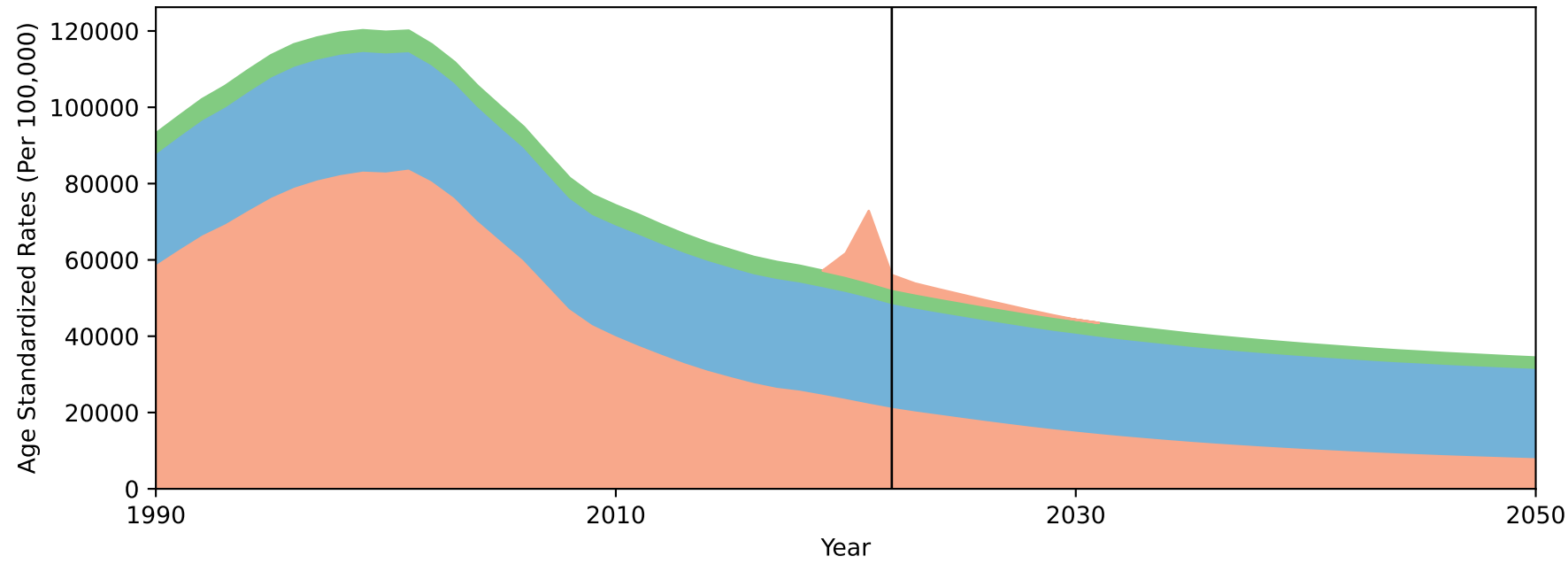


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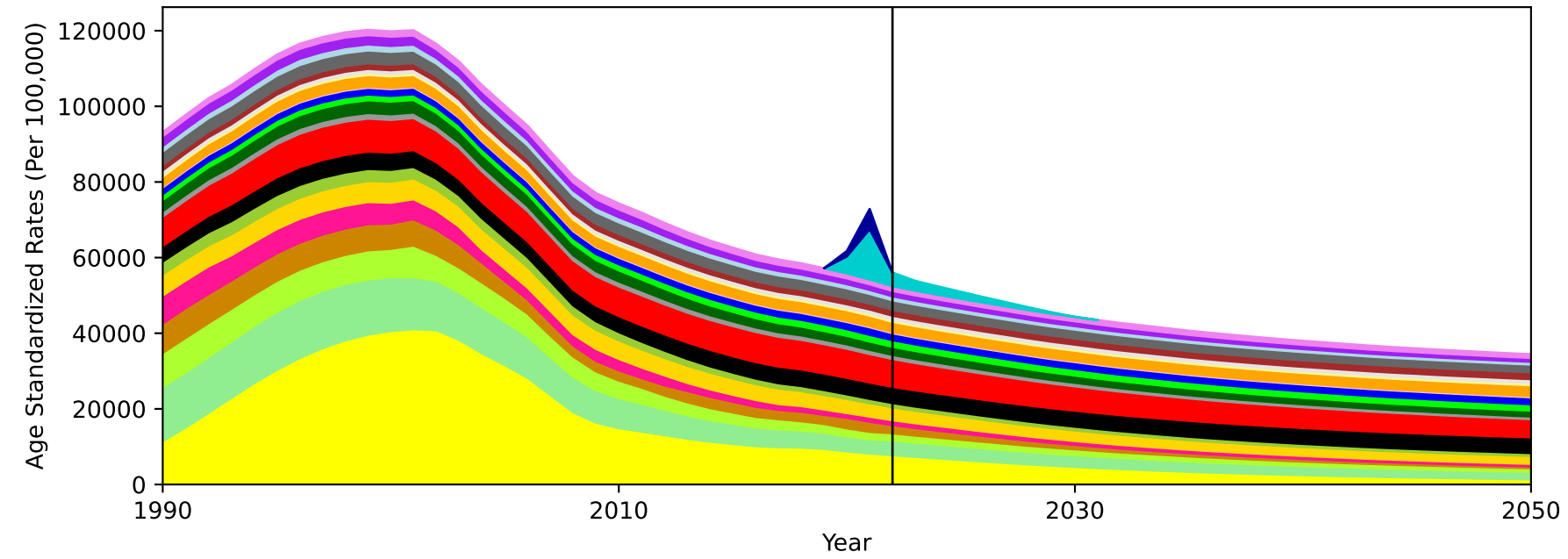


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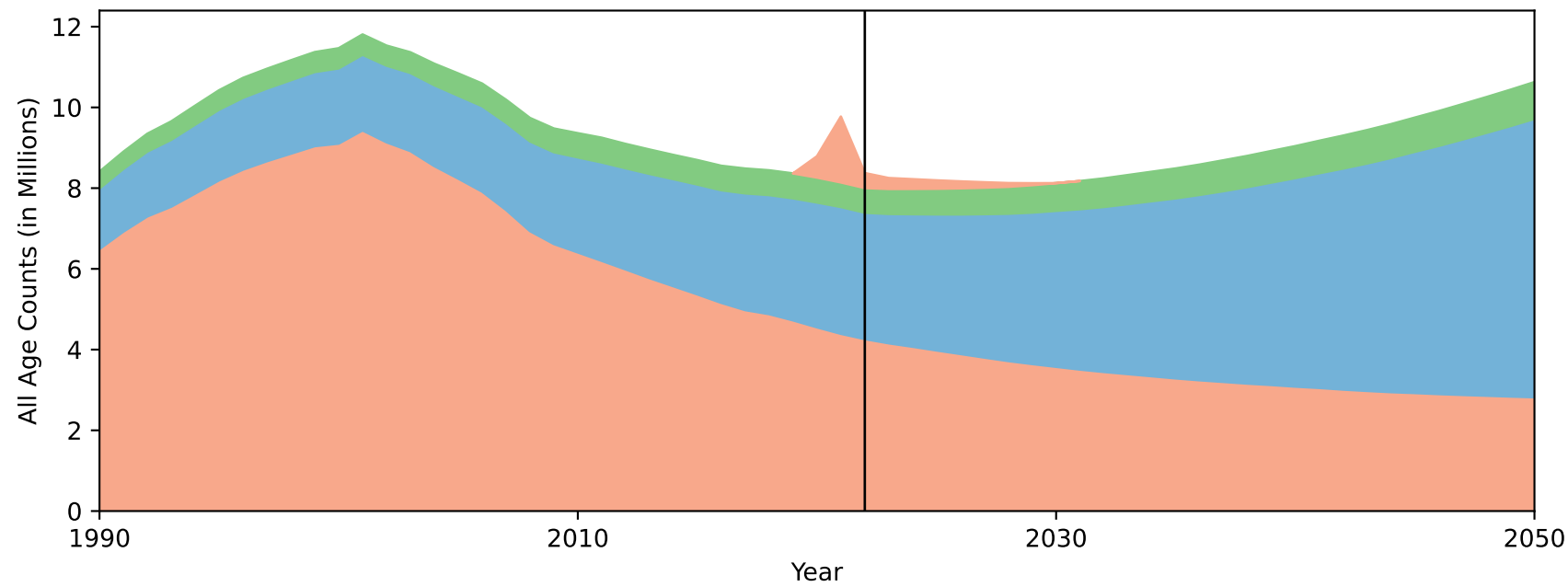
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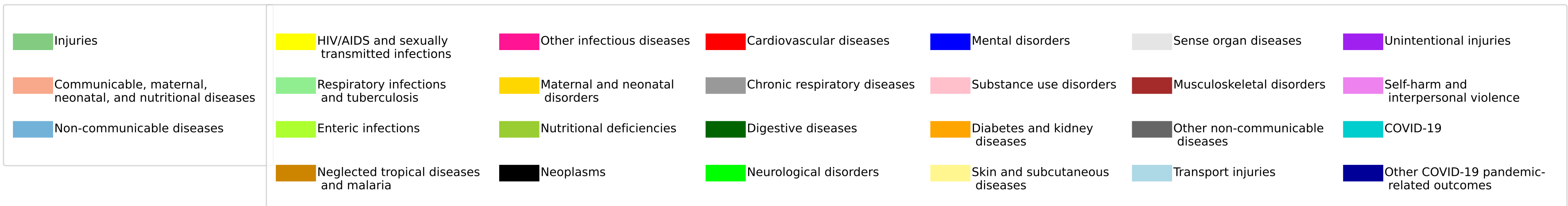
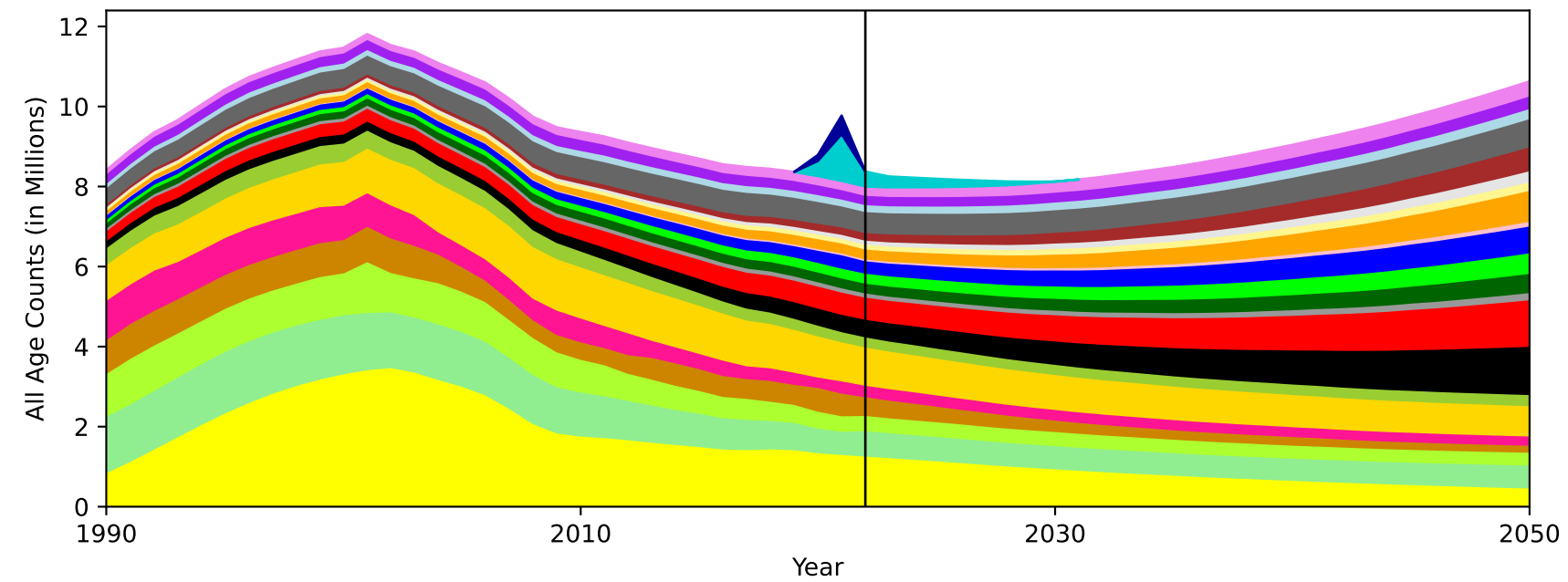
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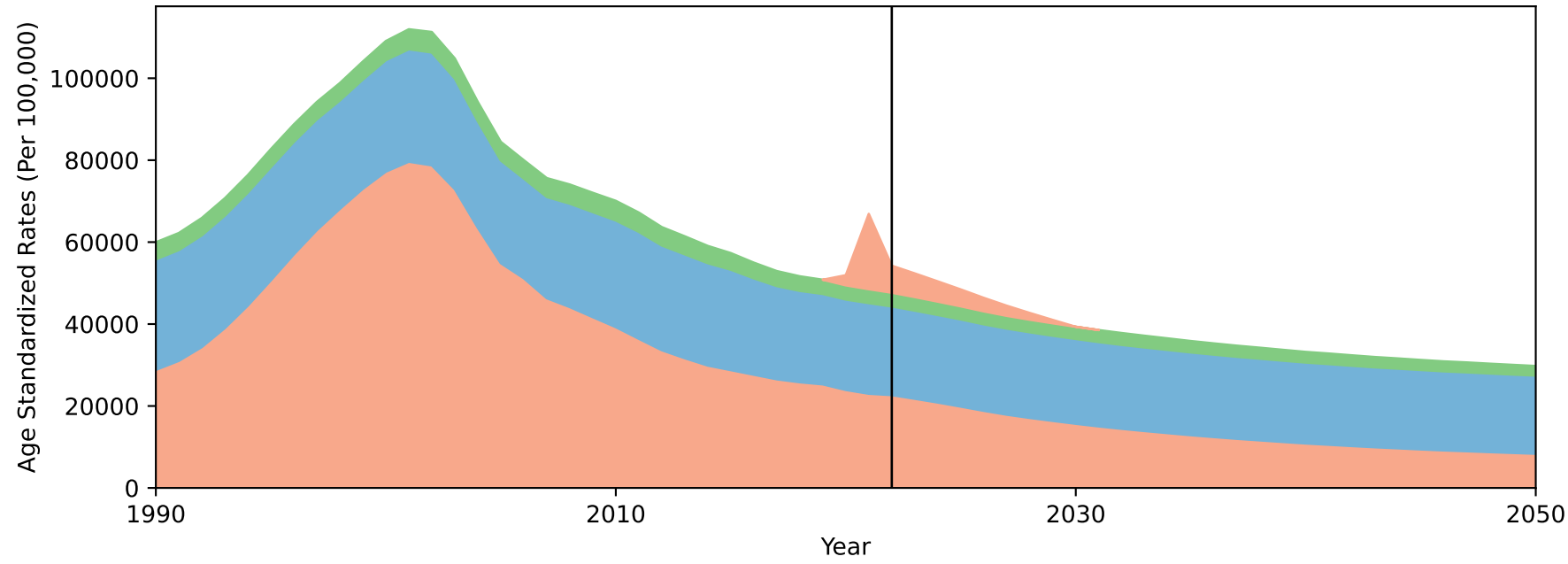
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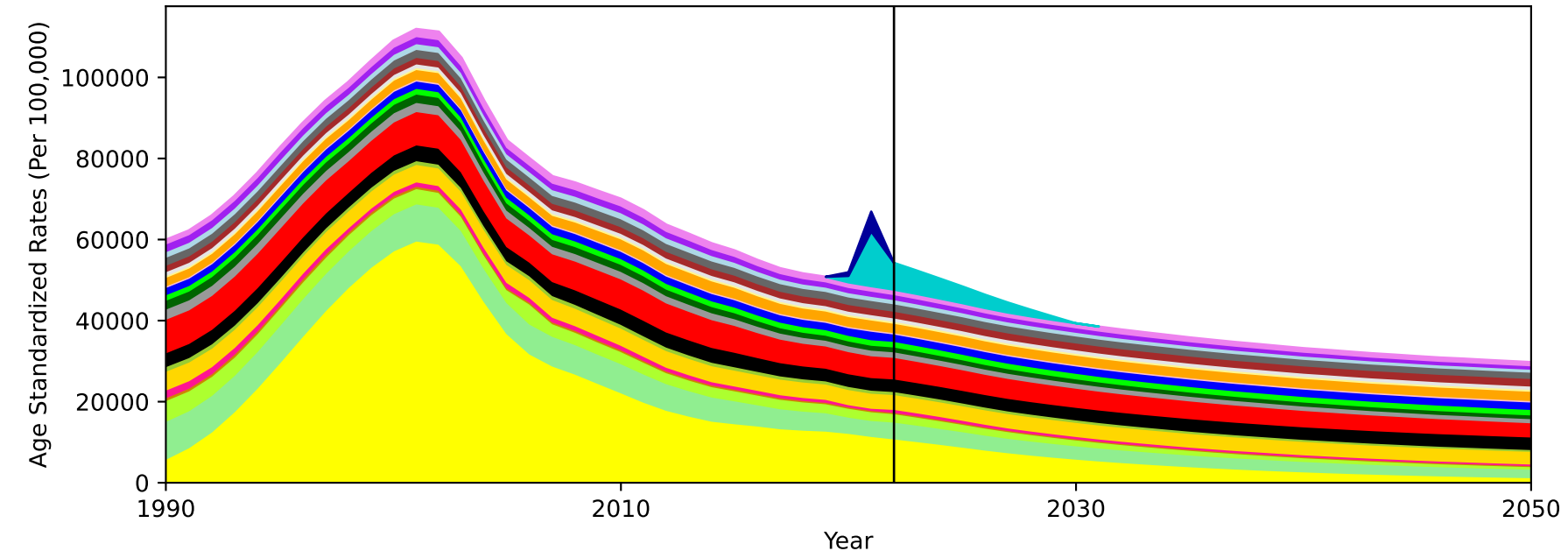


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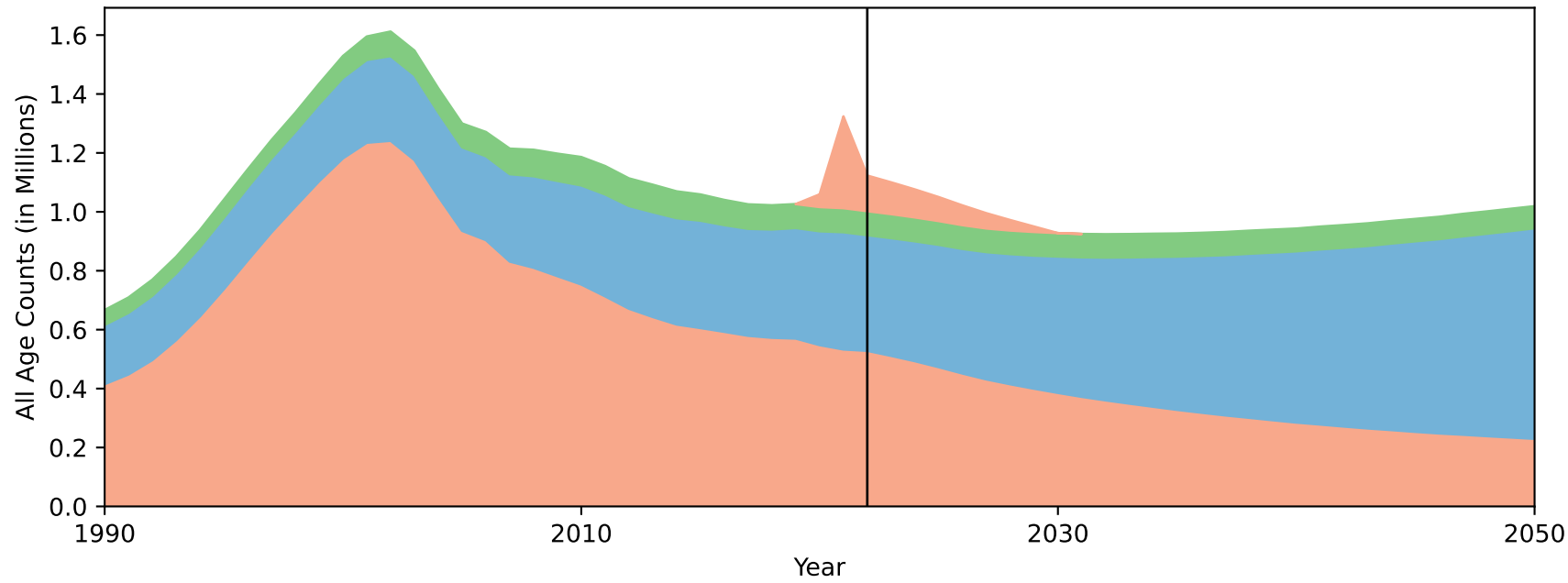
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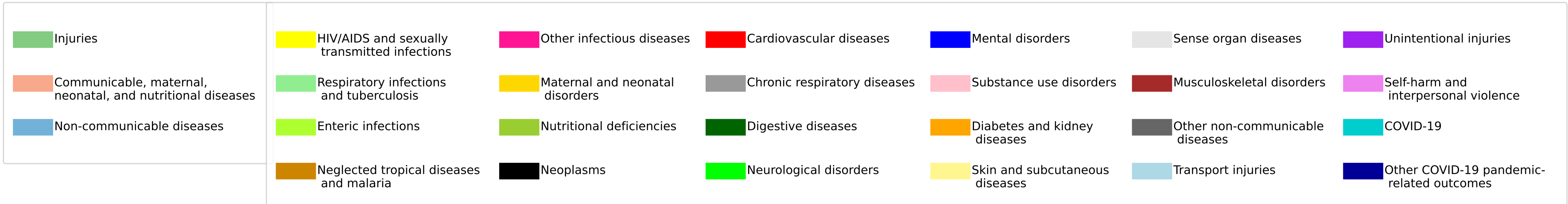
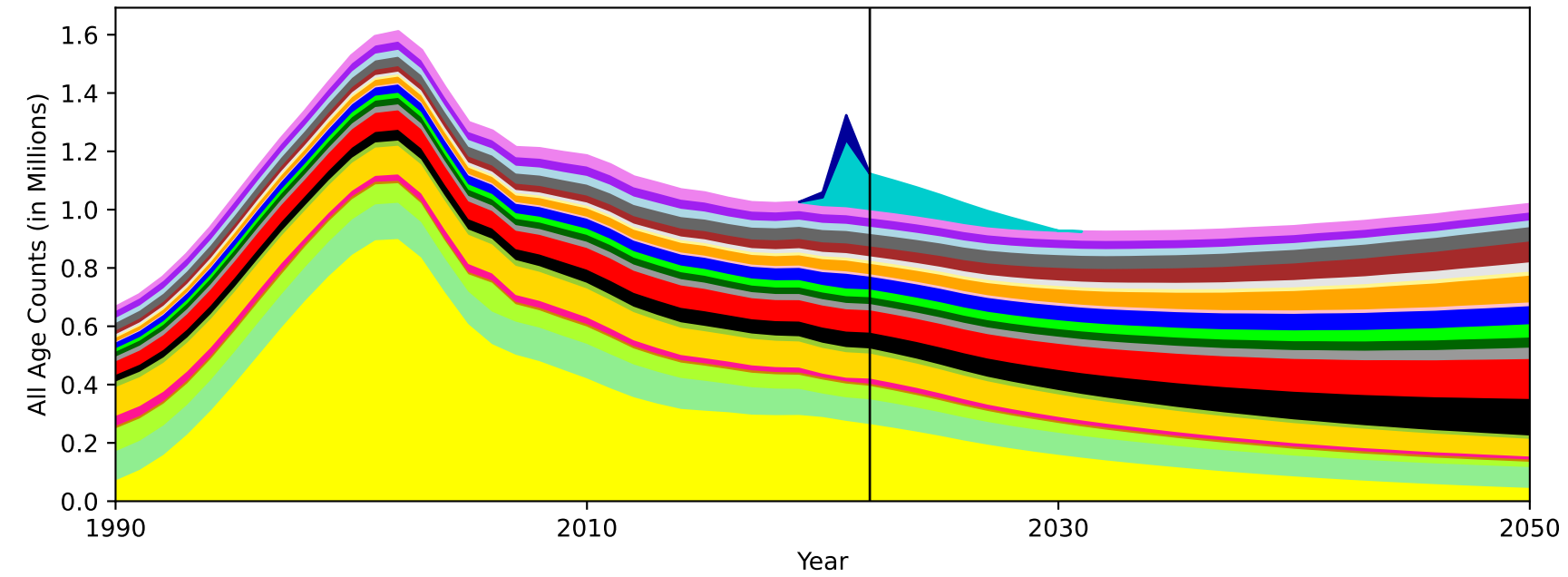
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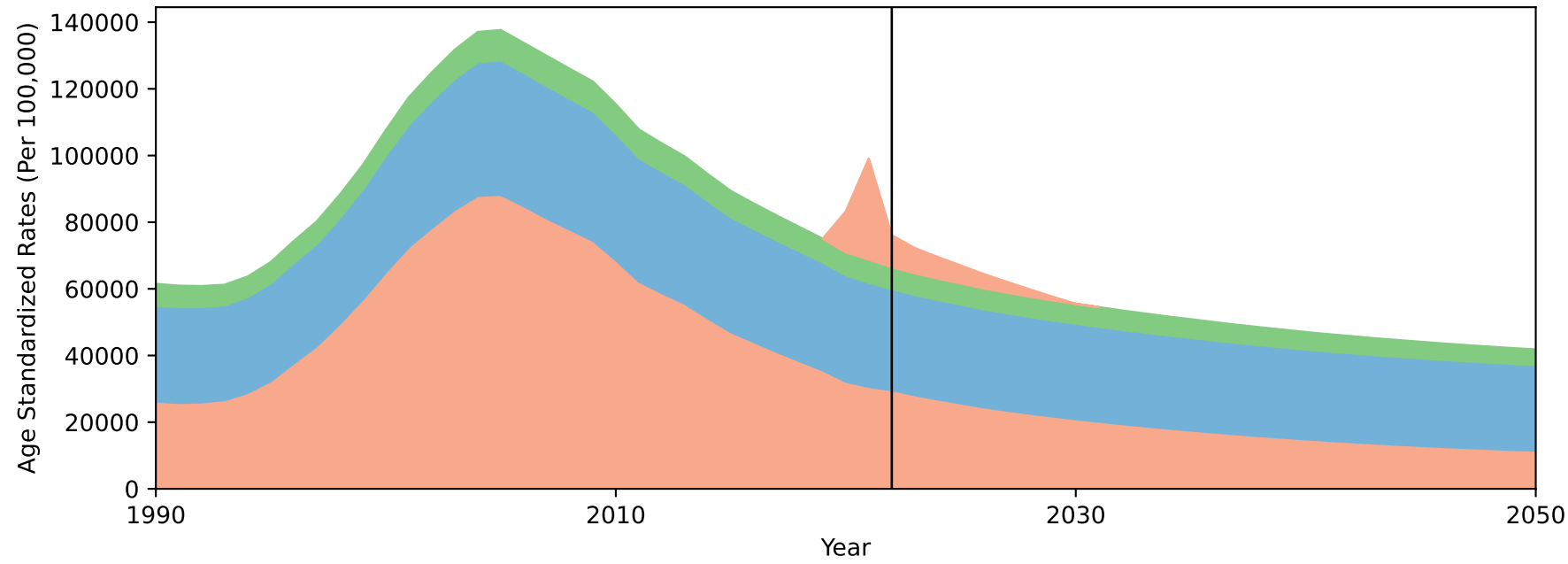


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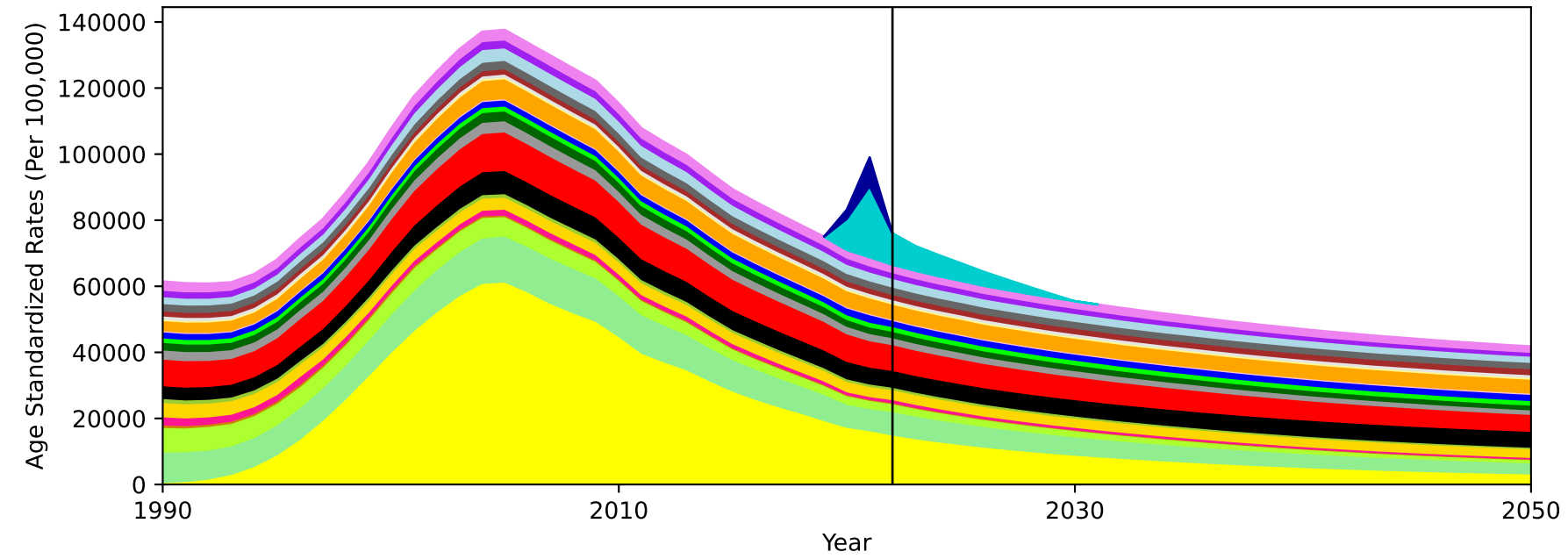


# Eswatini

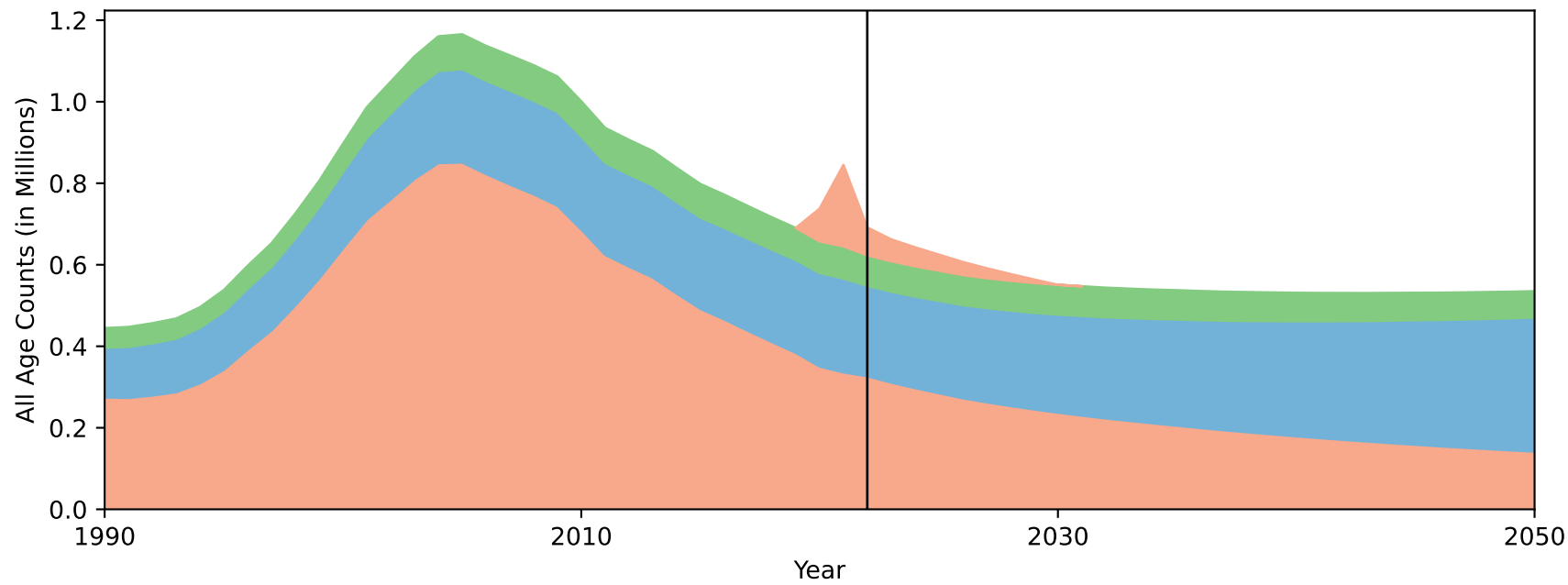
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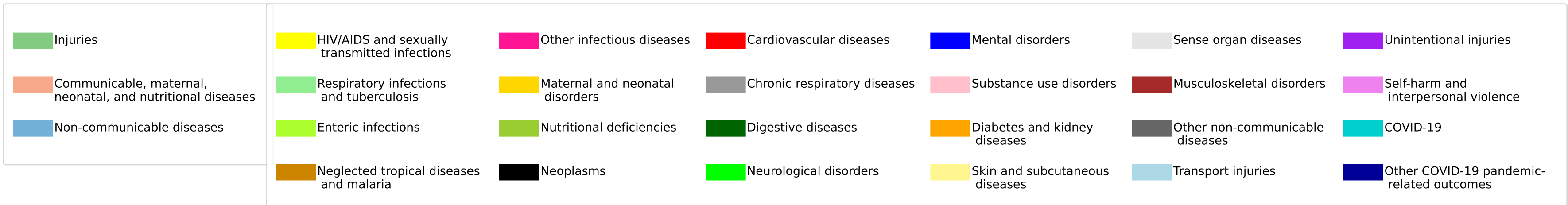
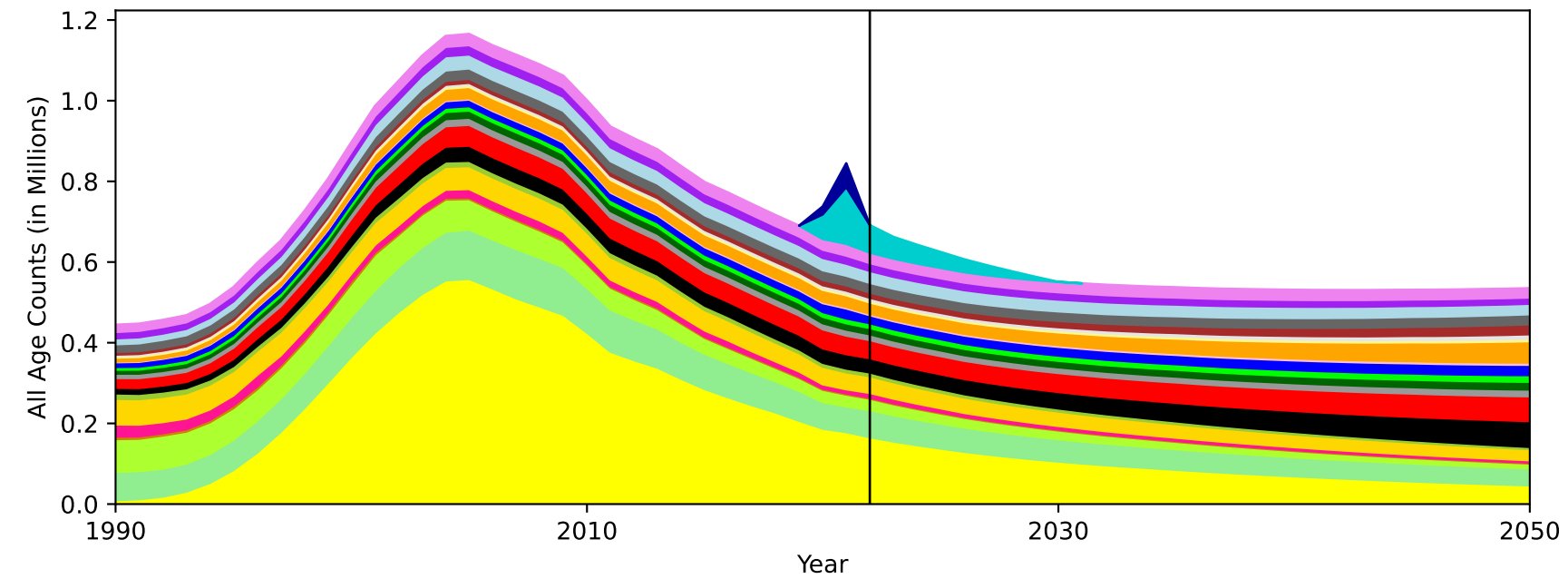
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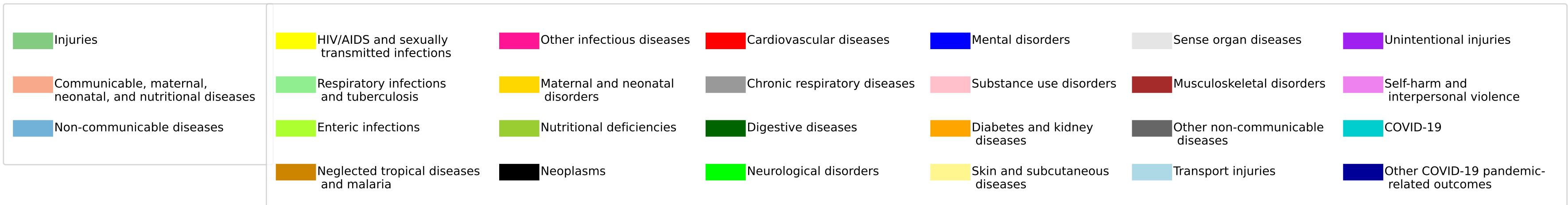
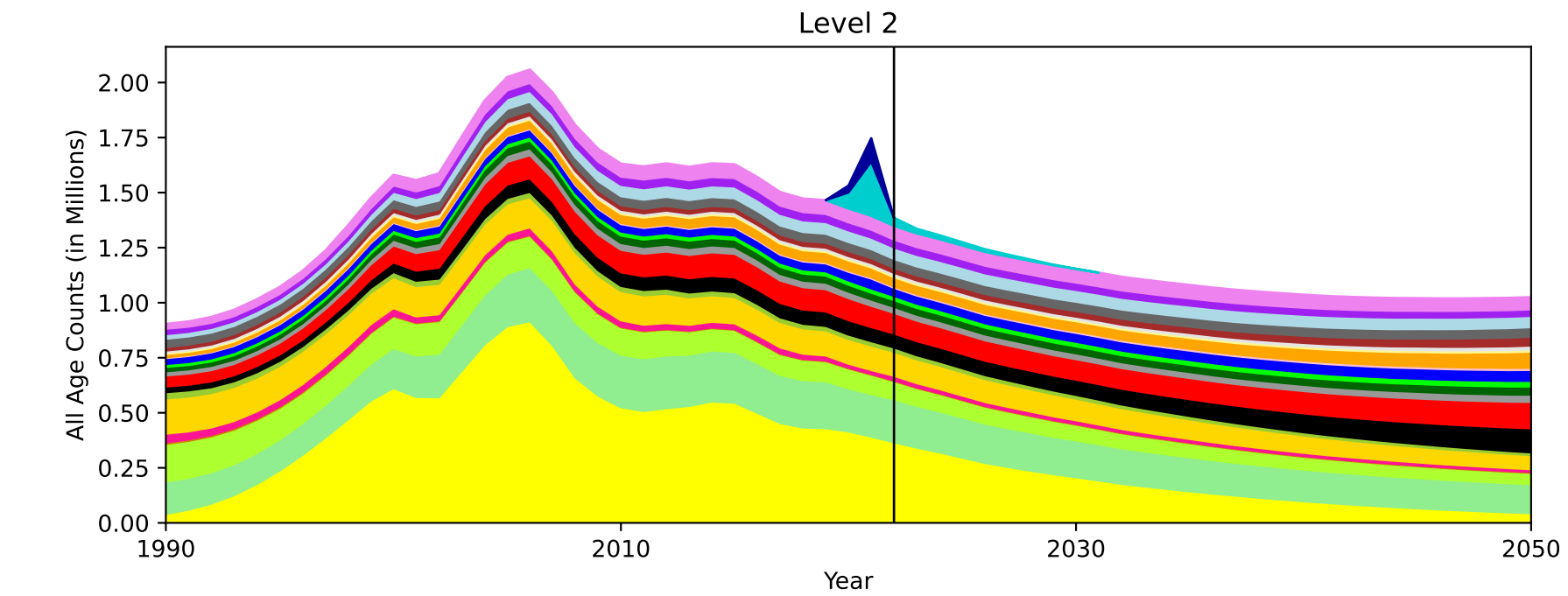
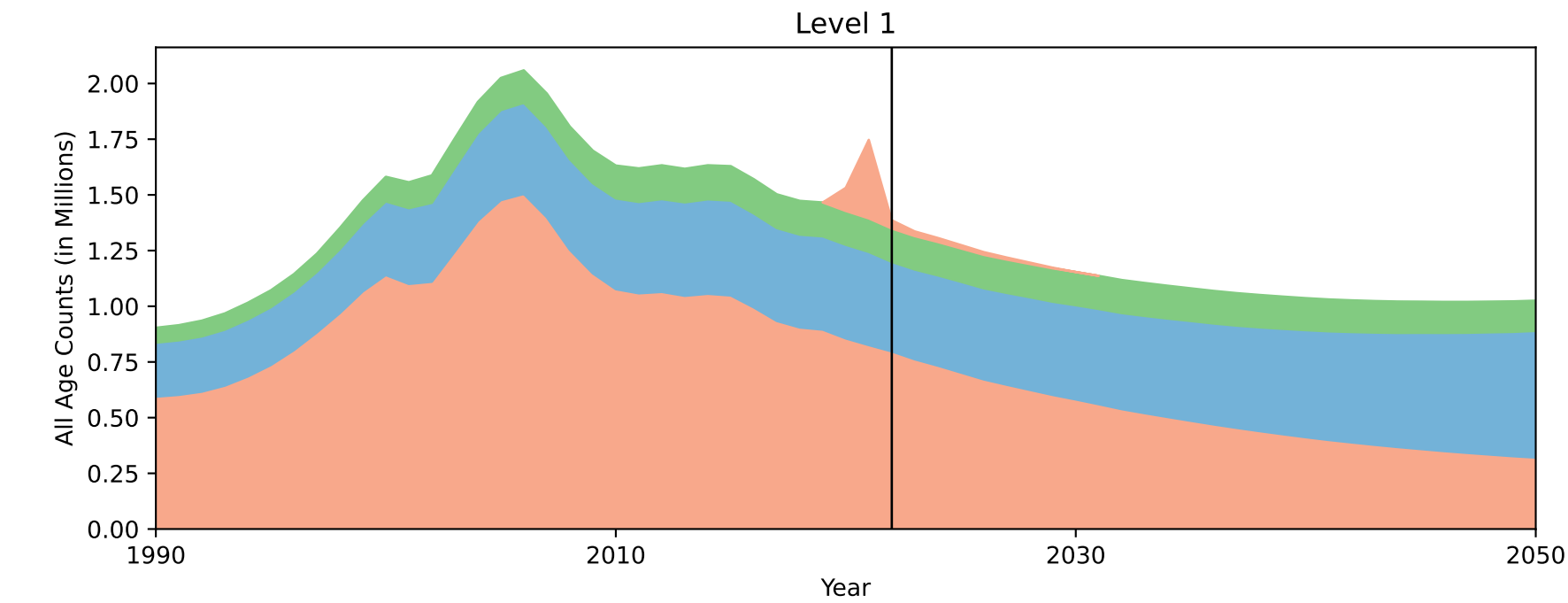
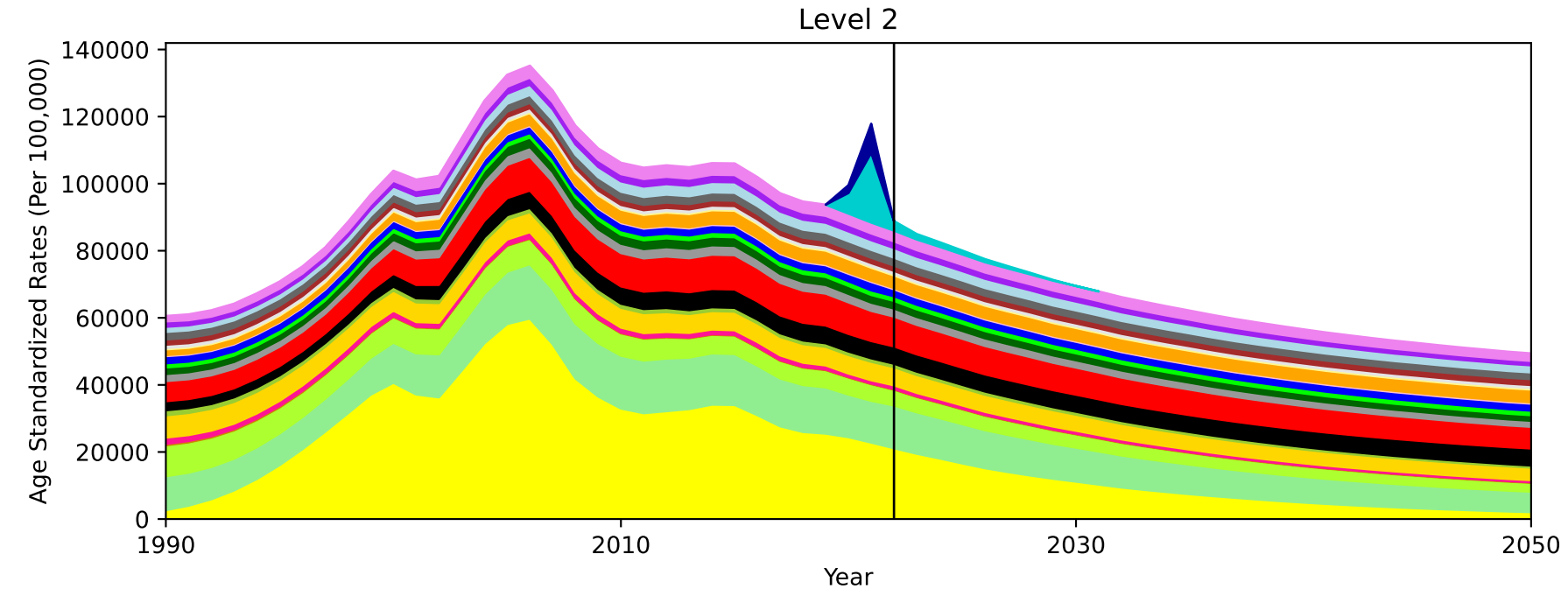
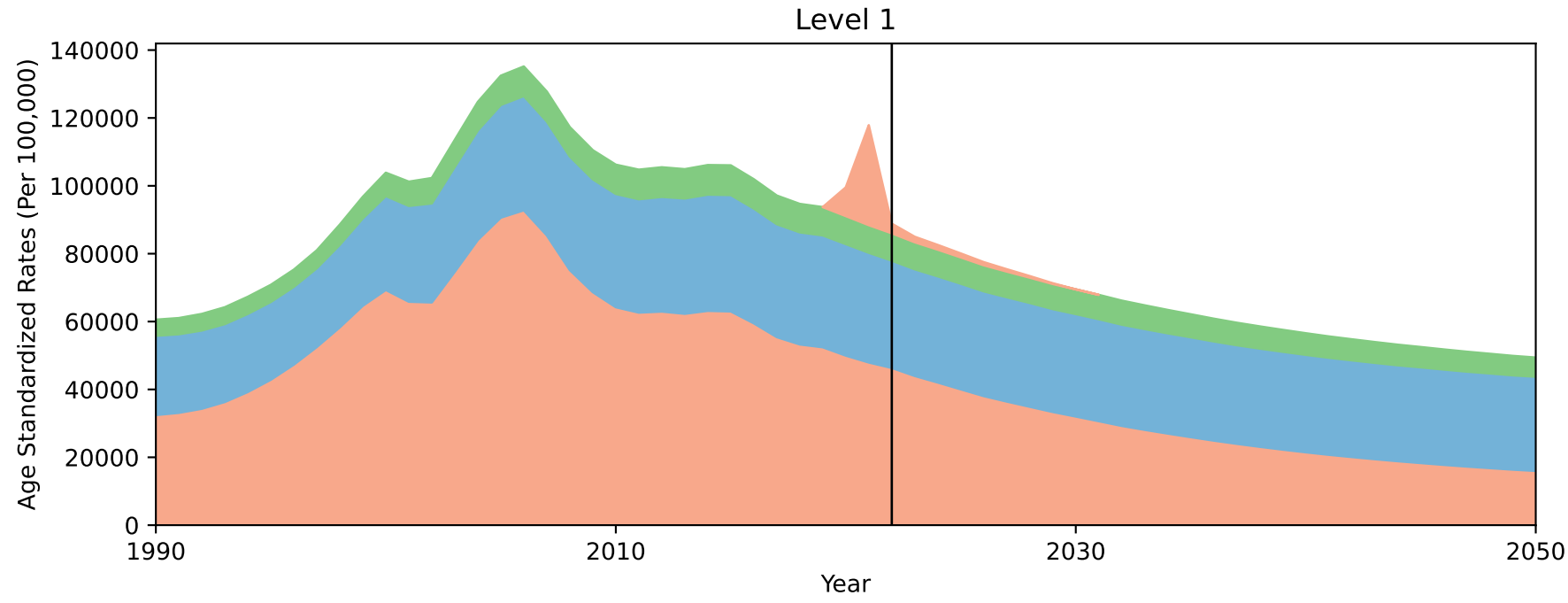
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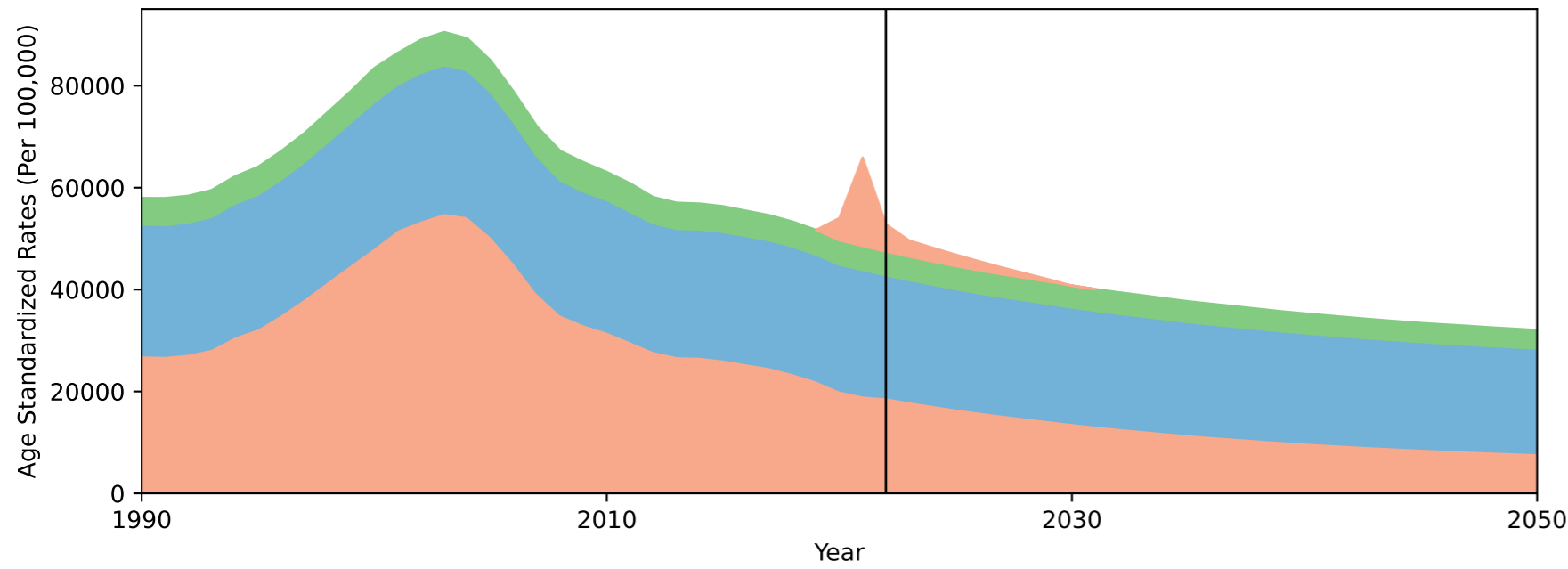


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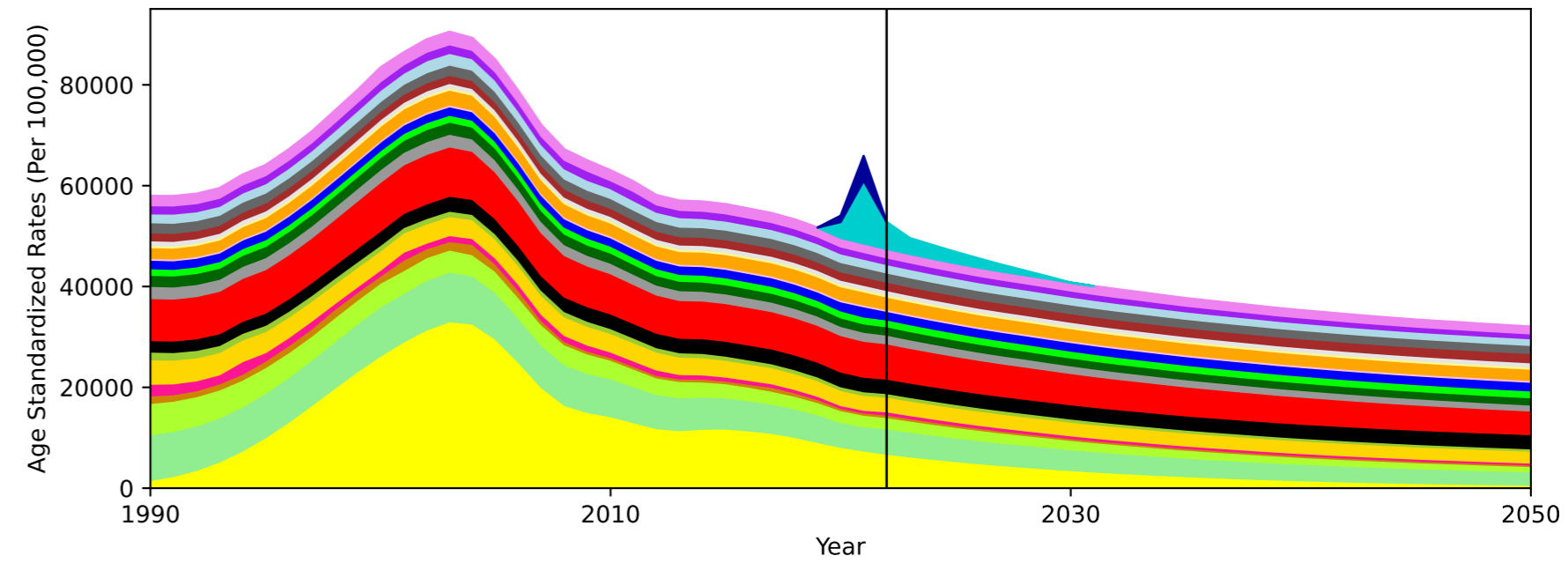


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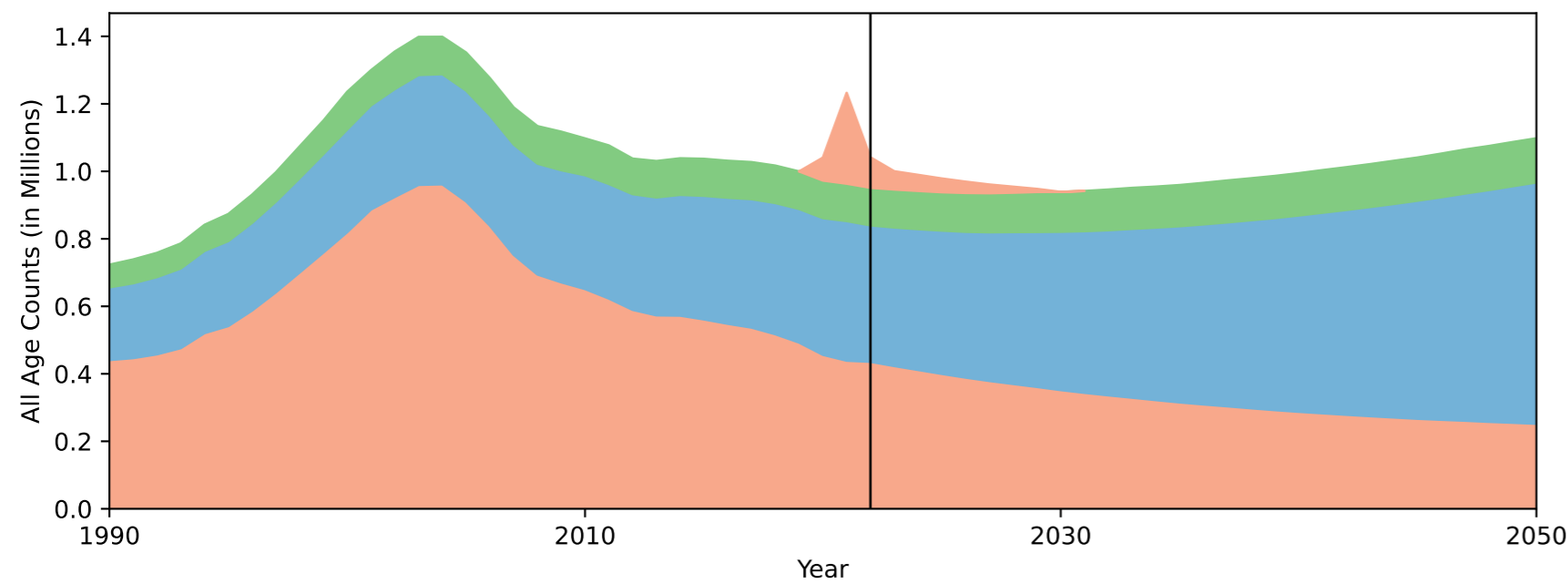
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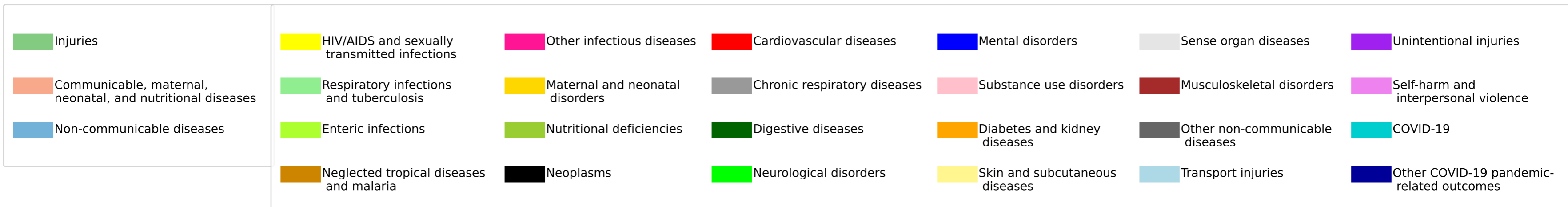
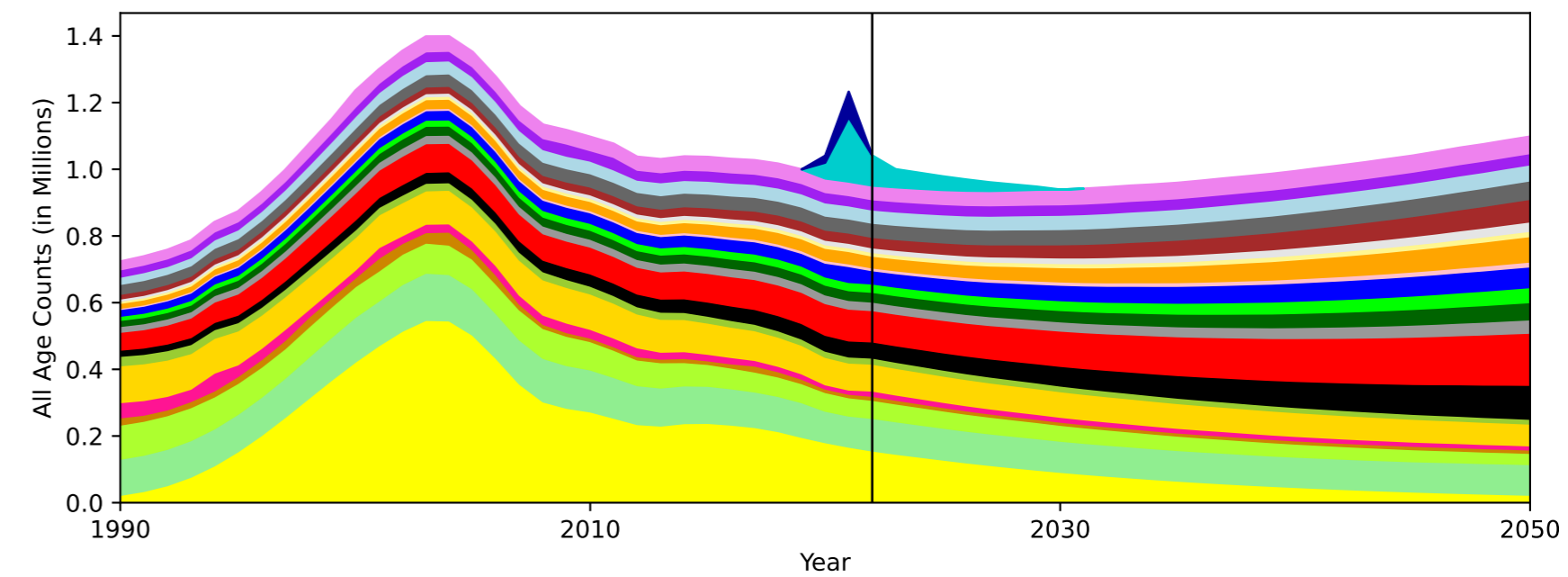
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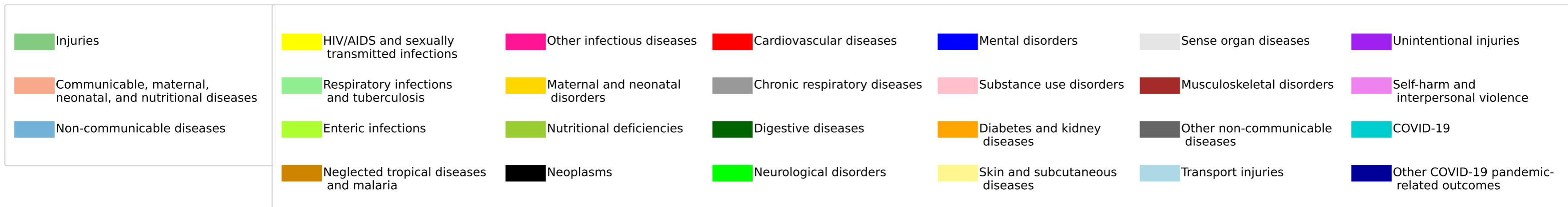
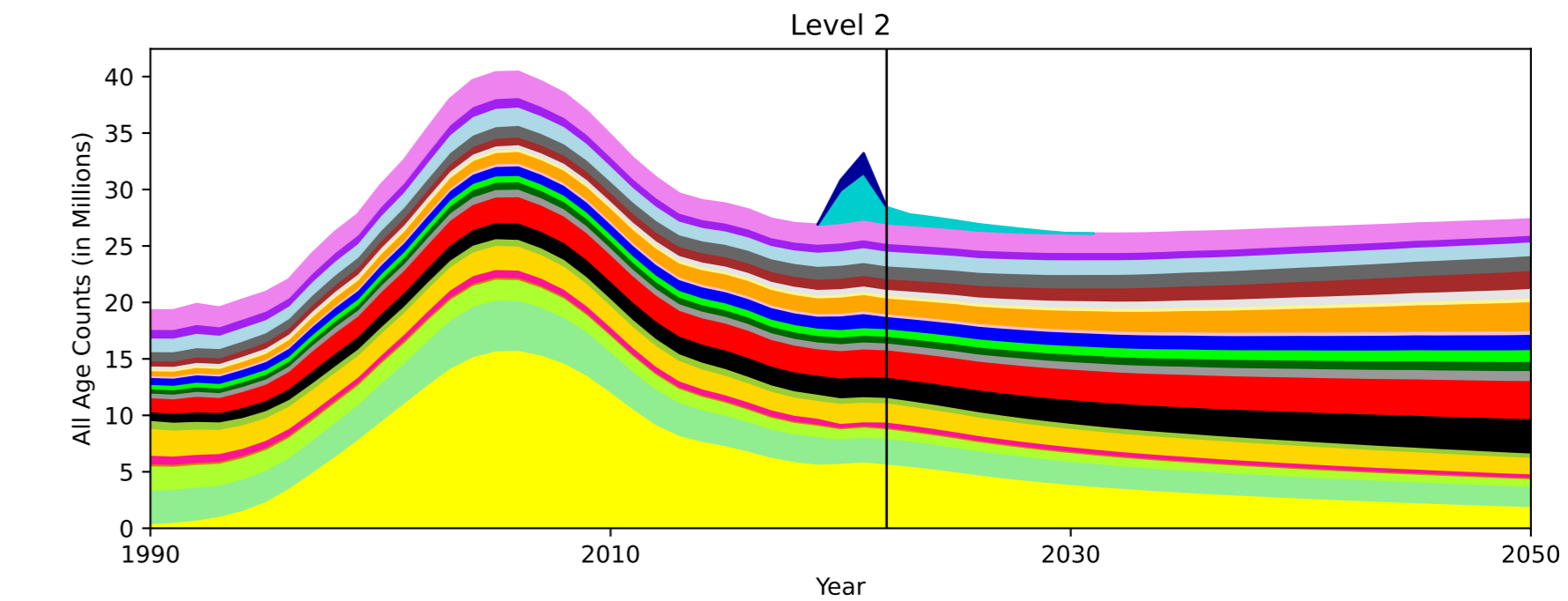
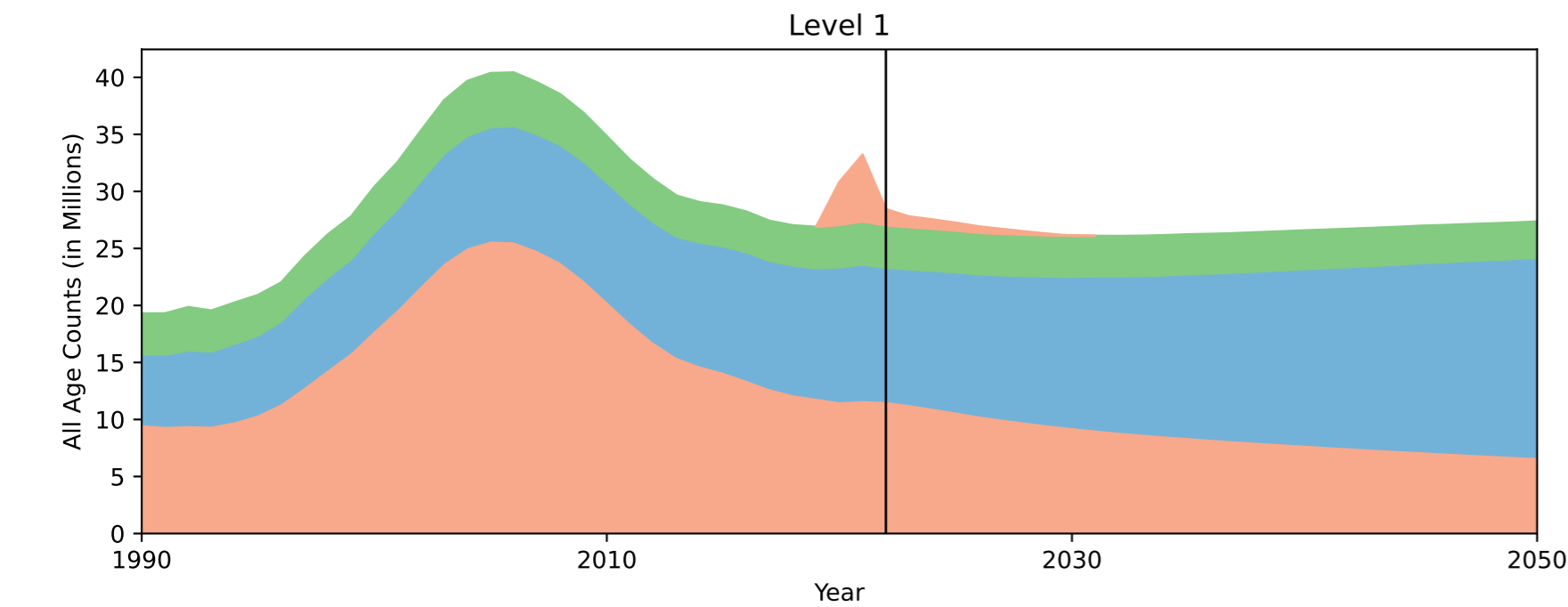
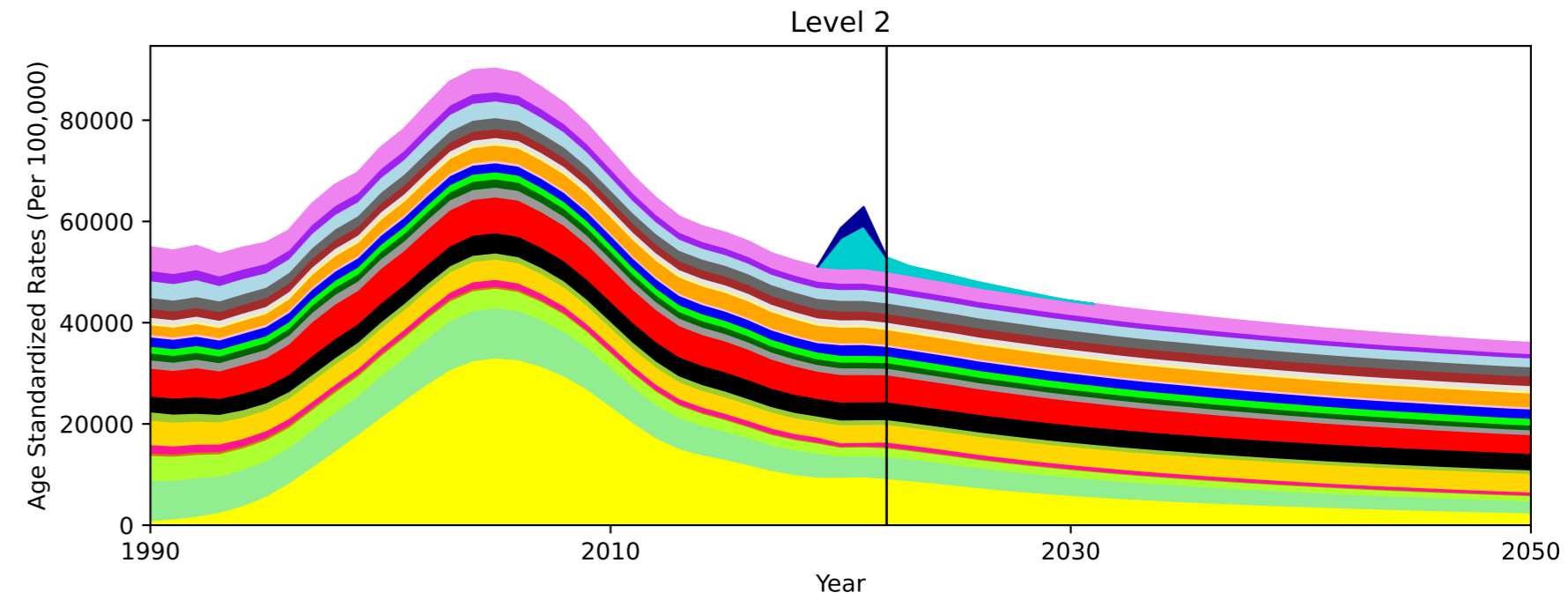
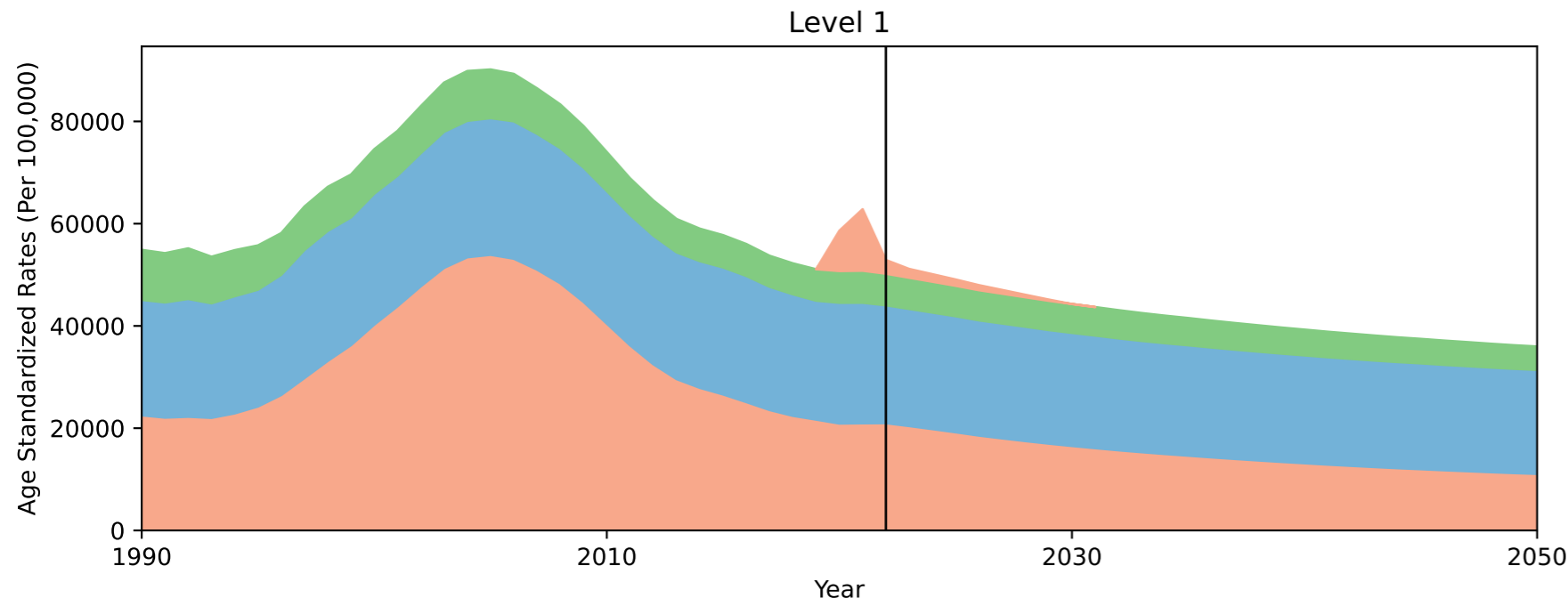
Level 1



Level 2

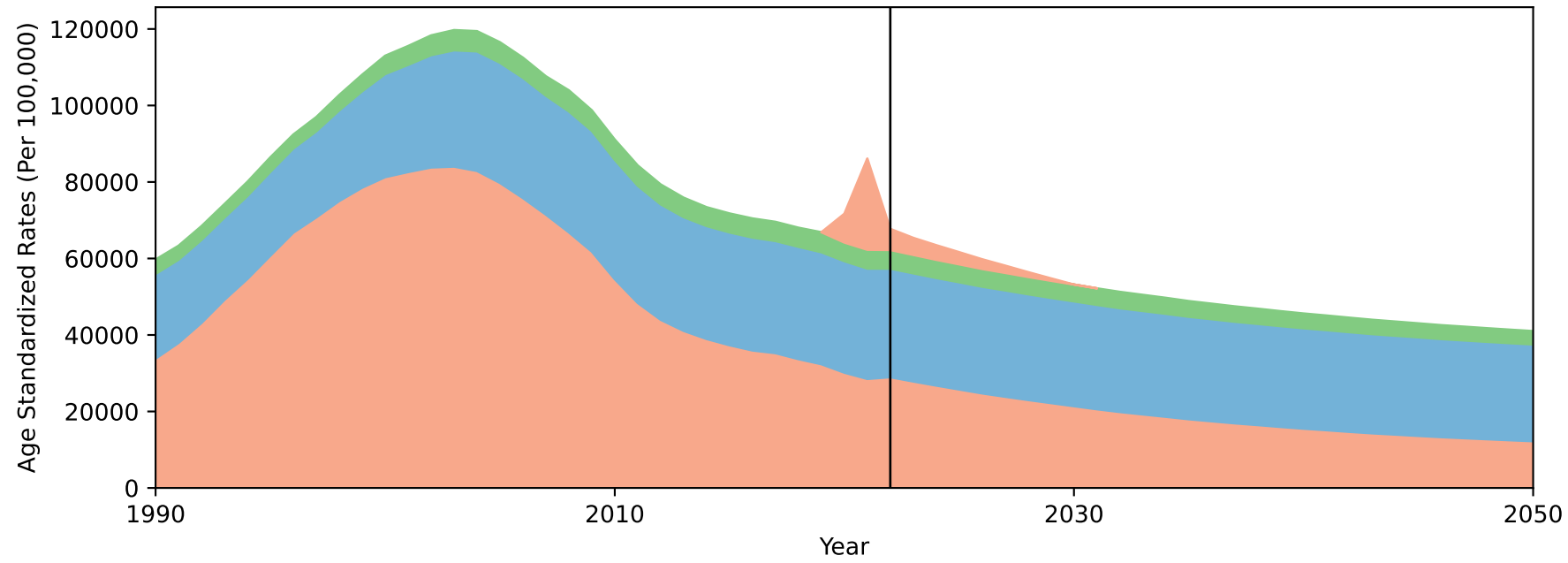


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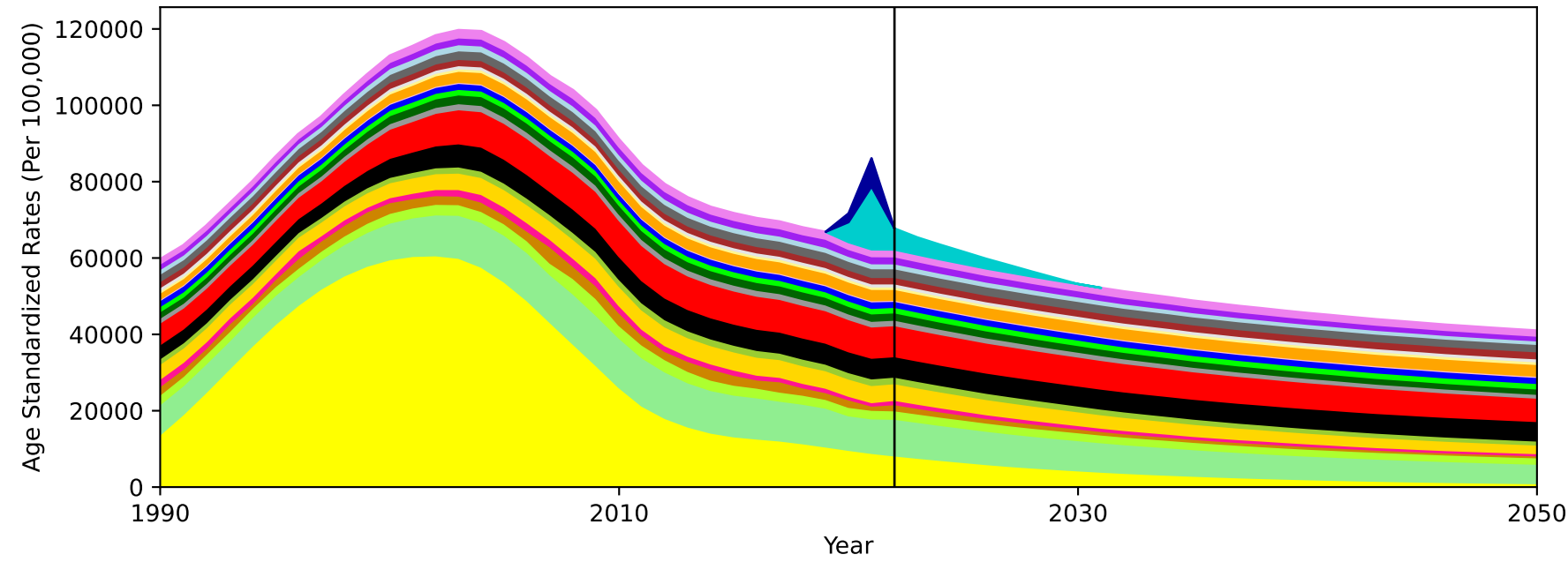


# Zimbabwe

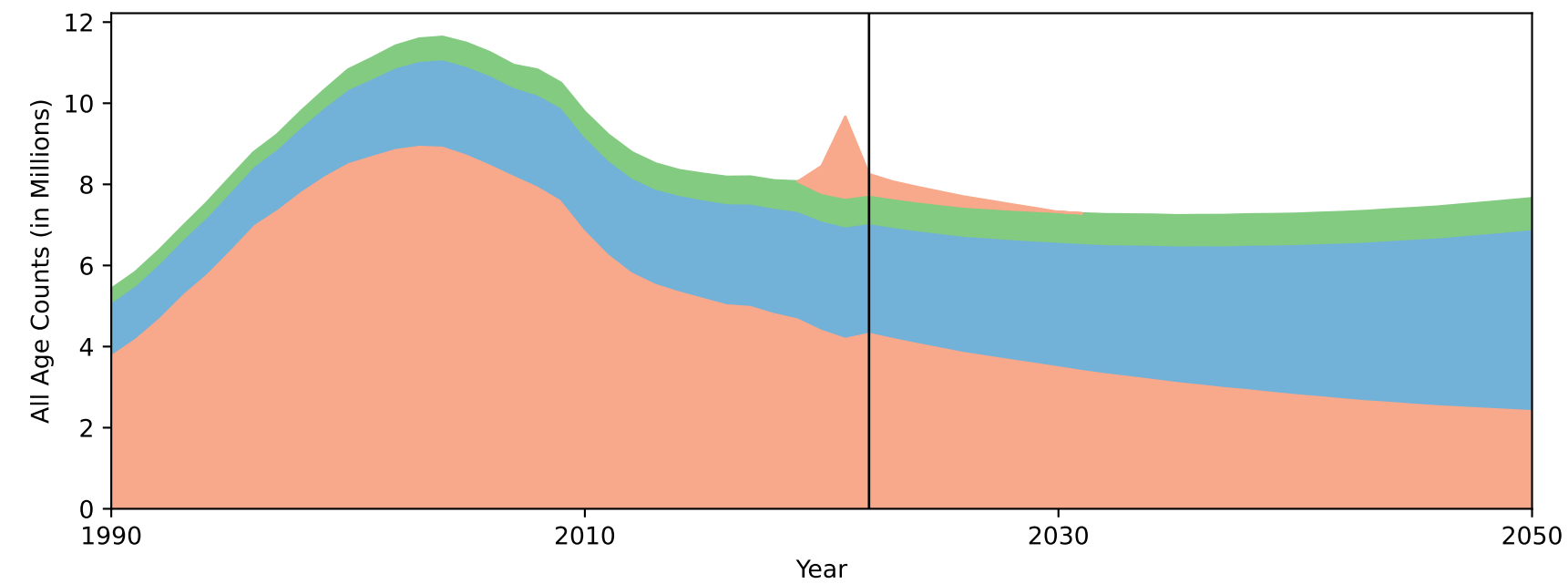
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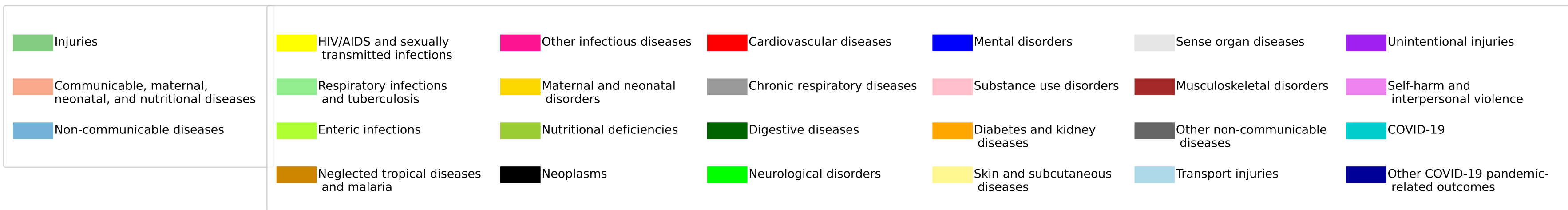
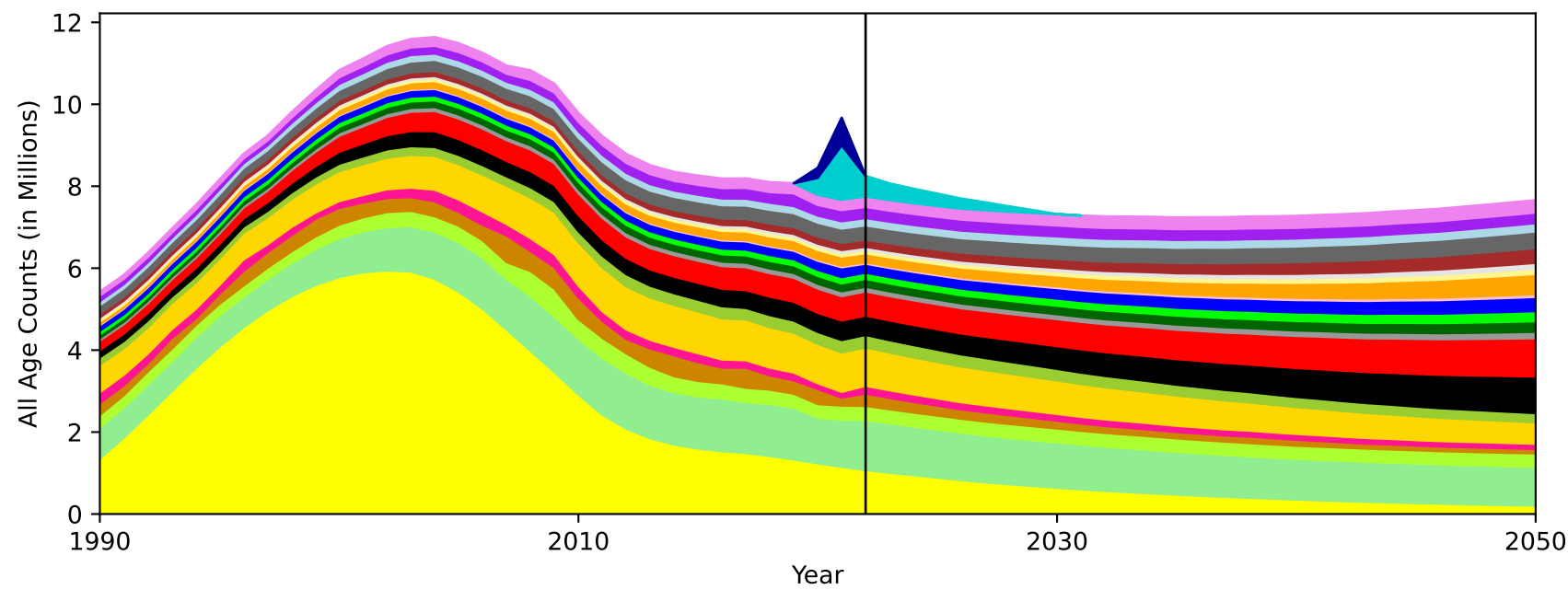
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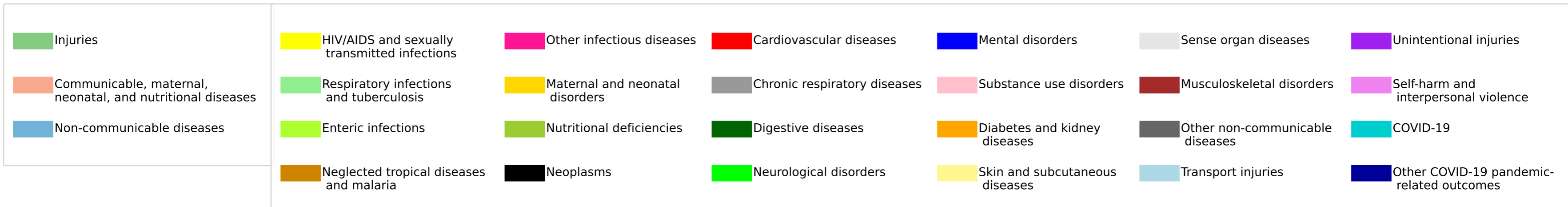
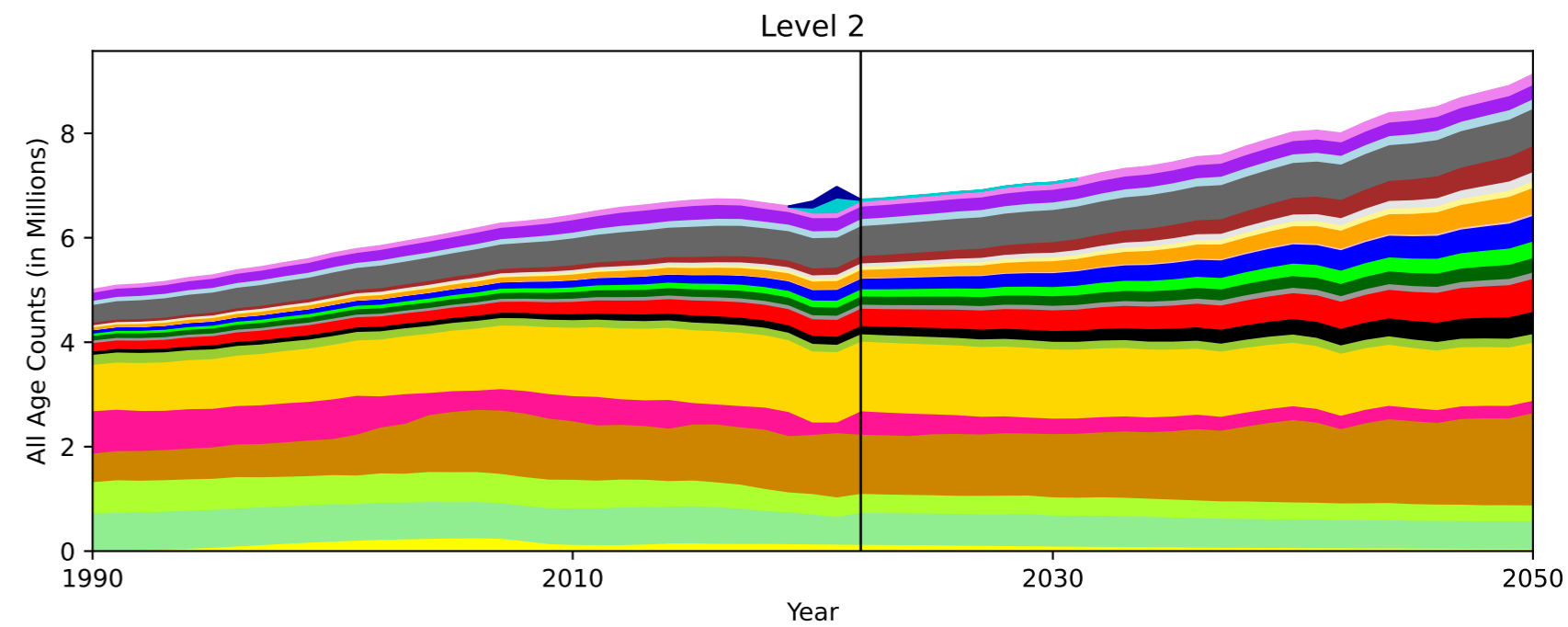
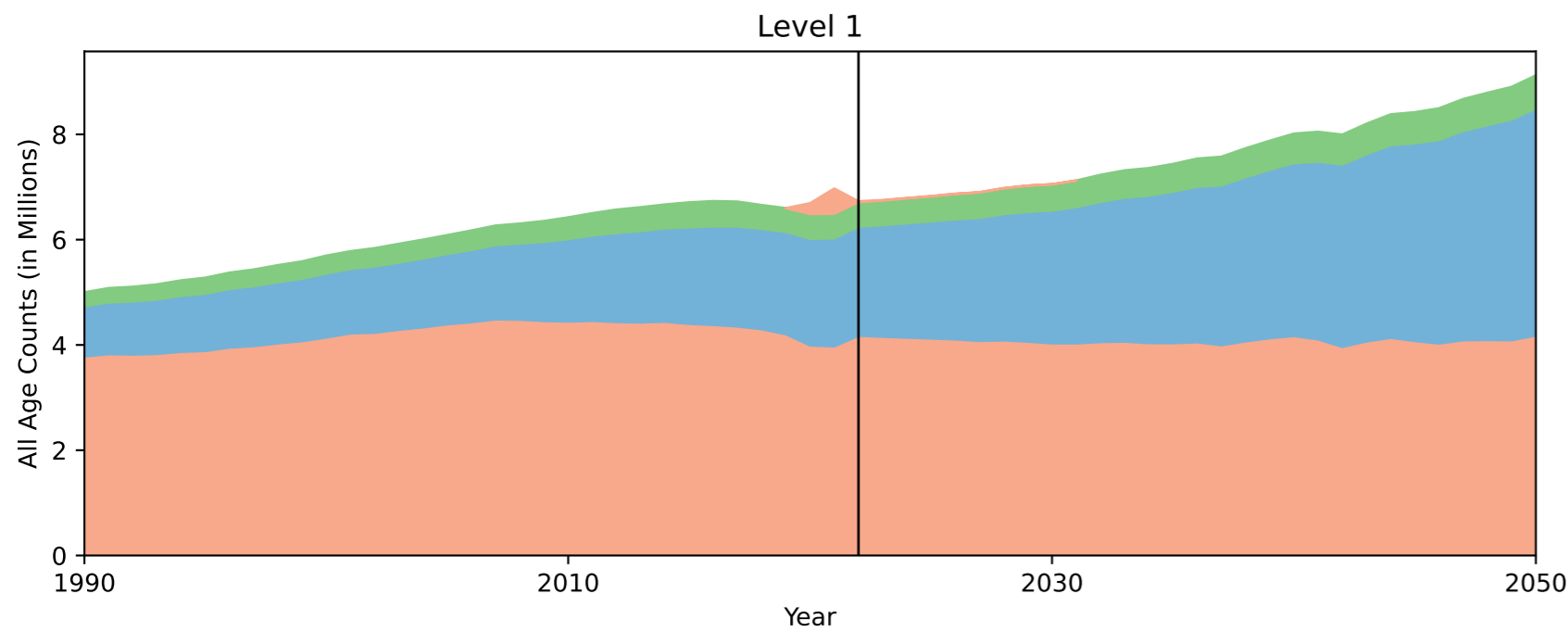
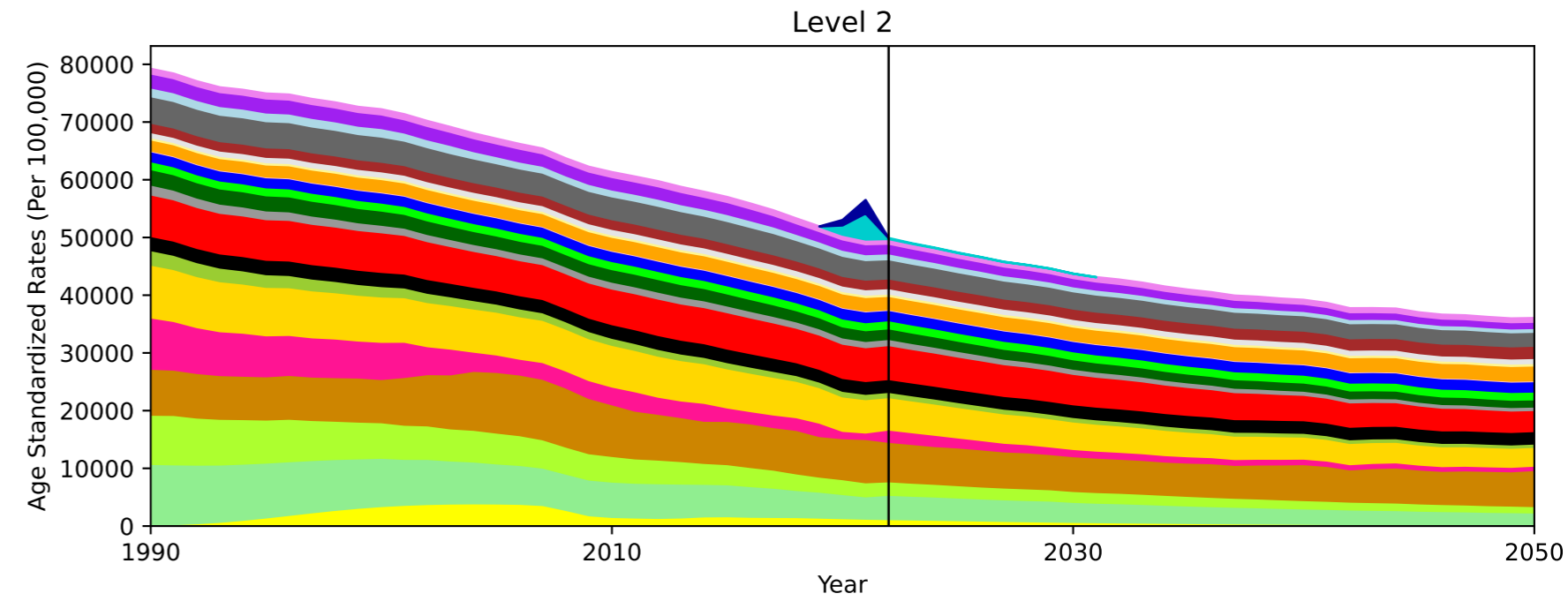
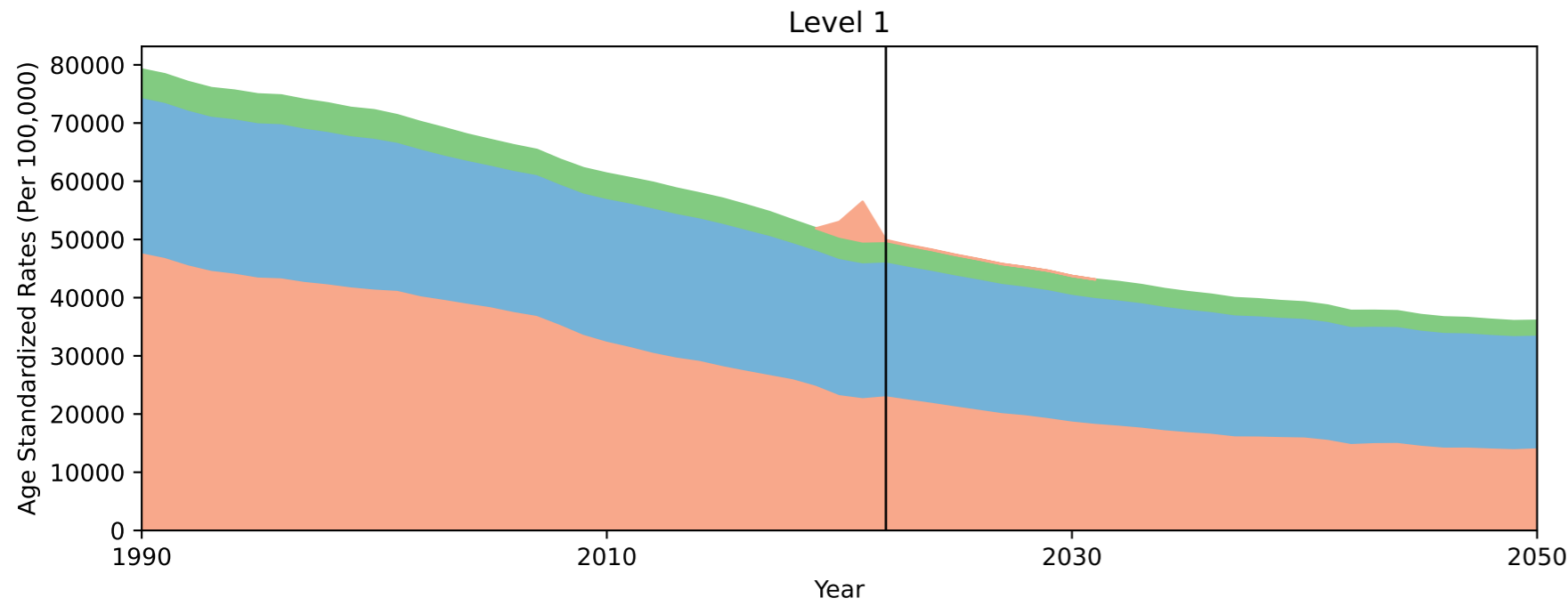
Level 1



Level 2



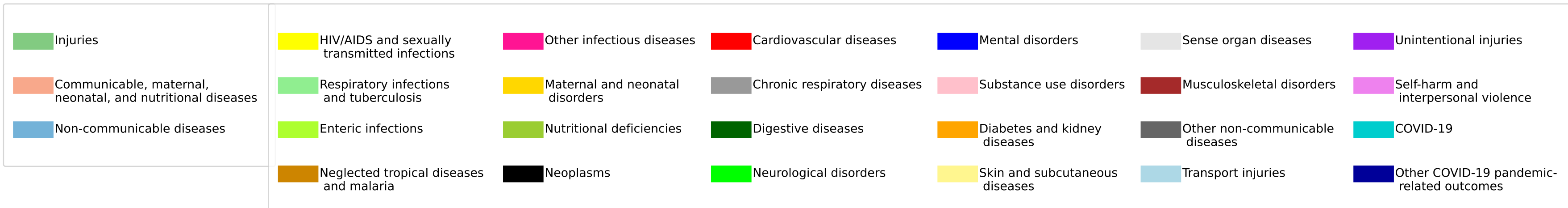
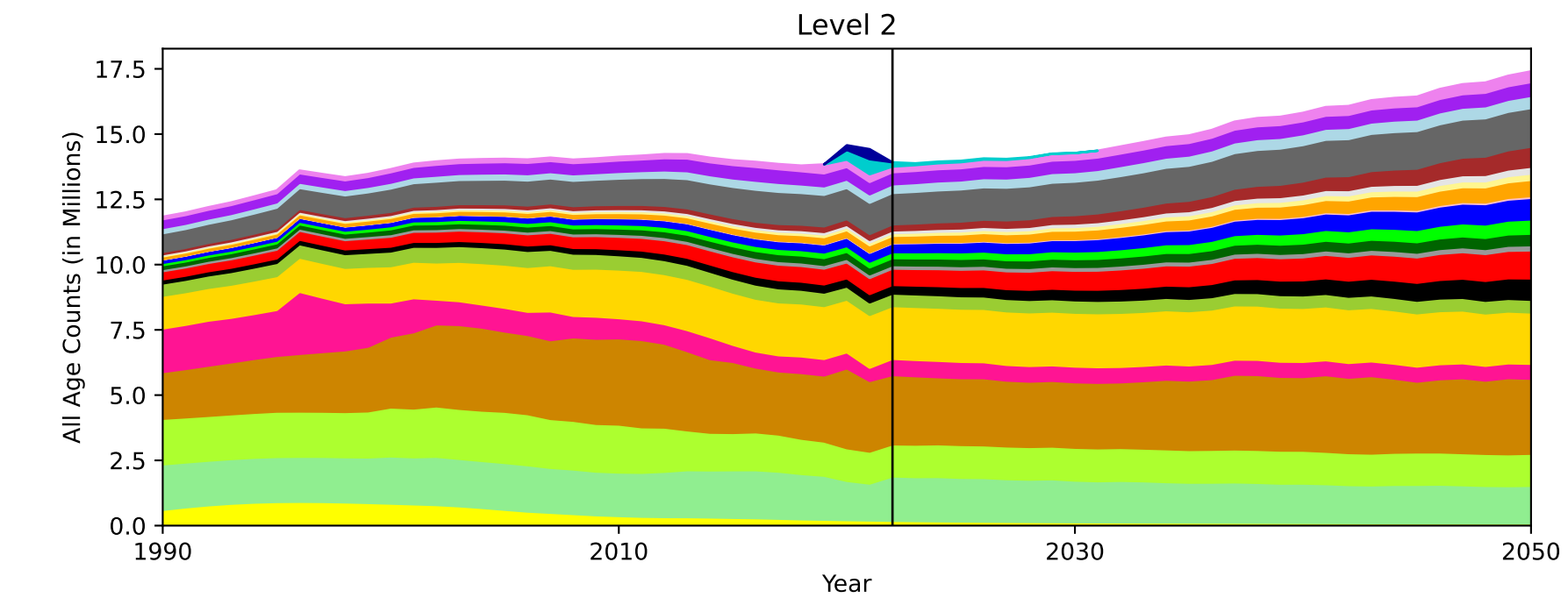
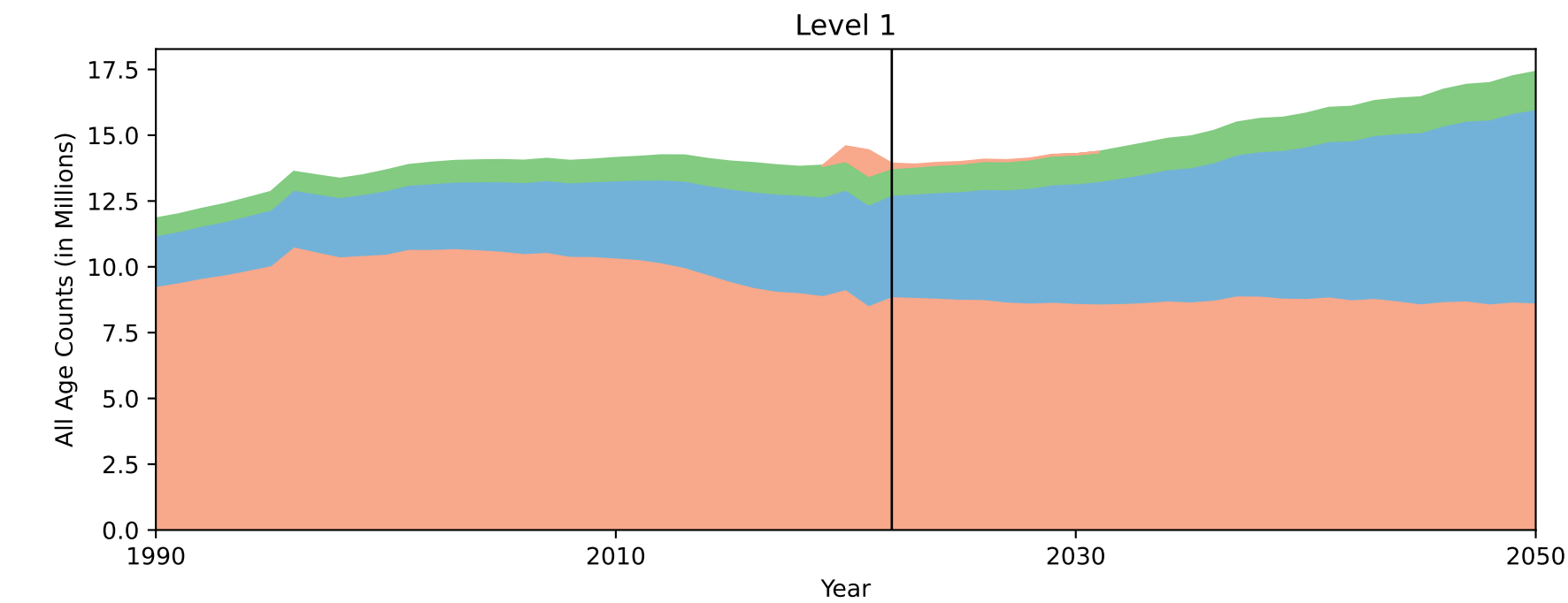
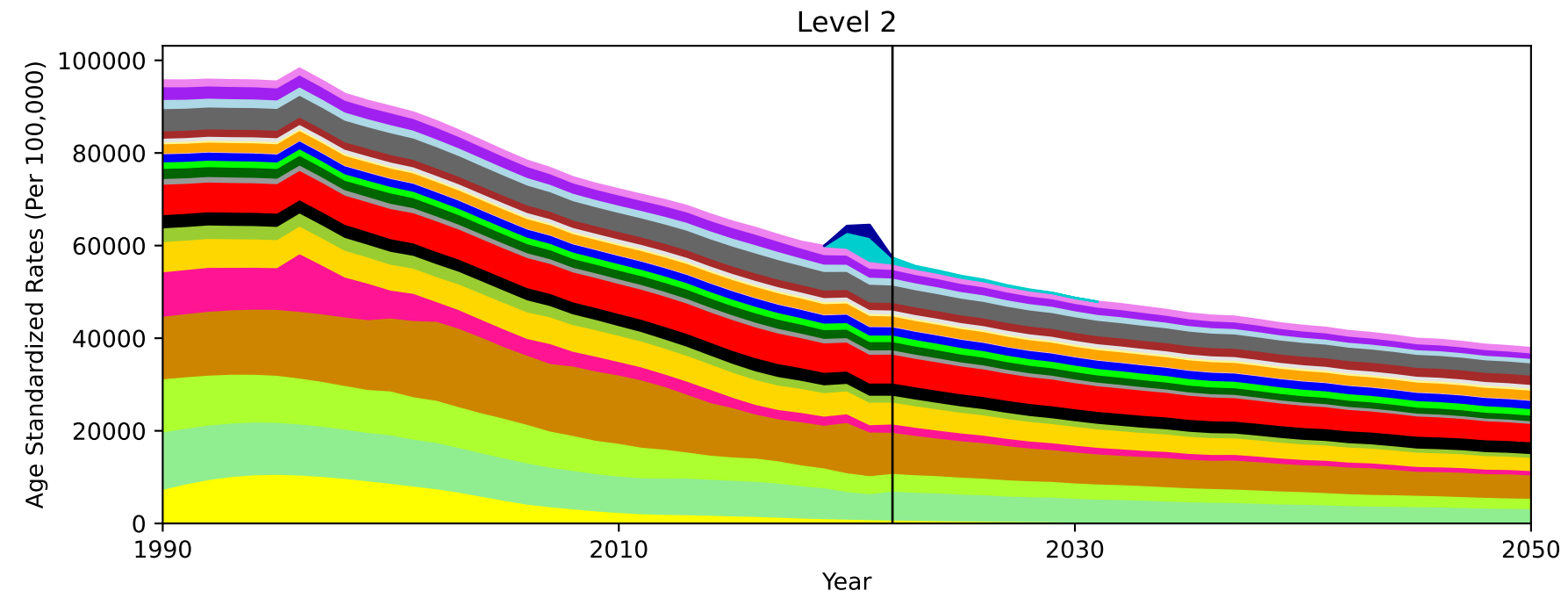
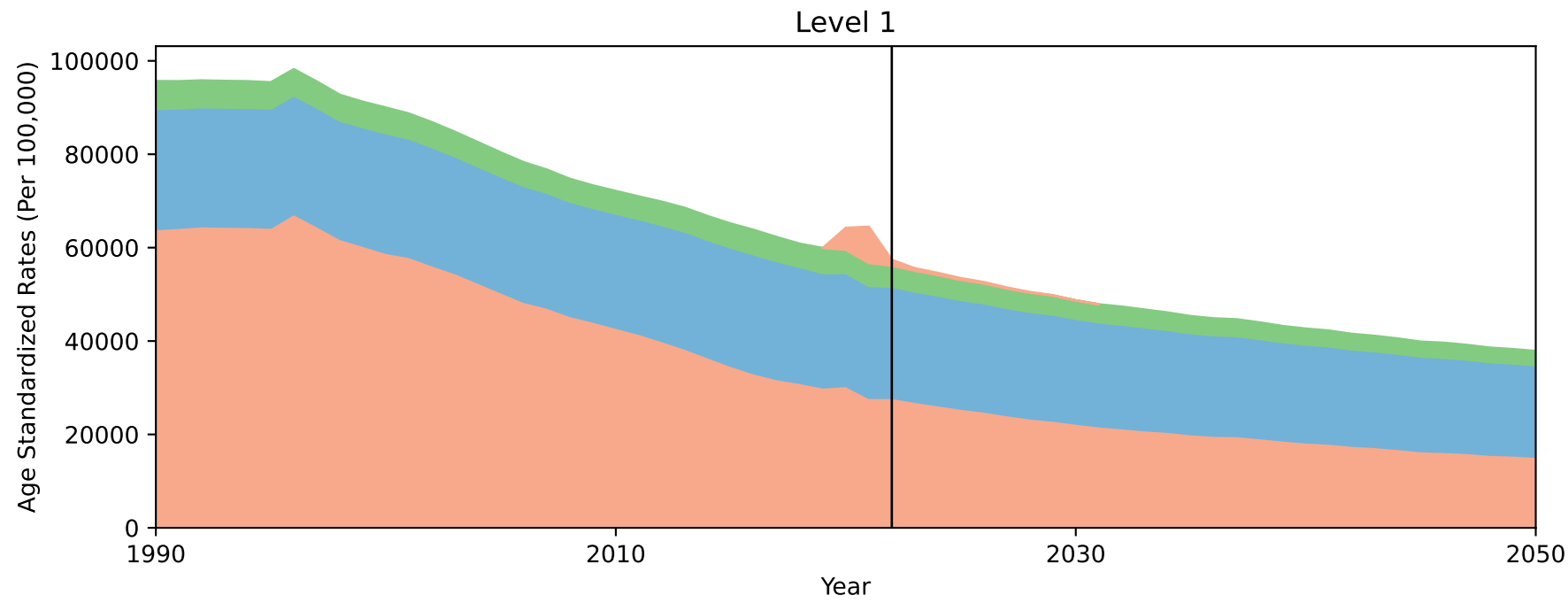
# Benin



# Burkina Faso

Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

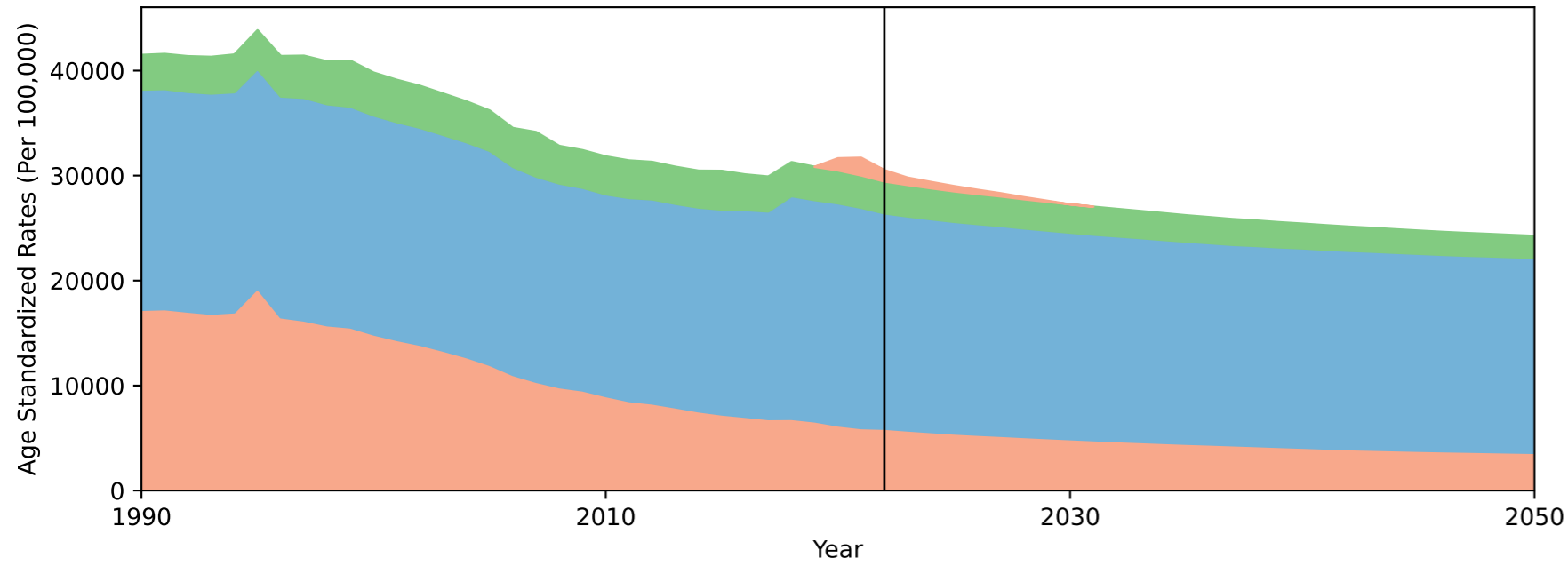
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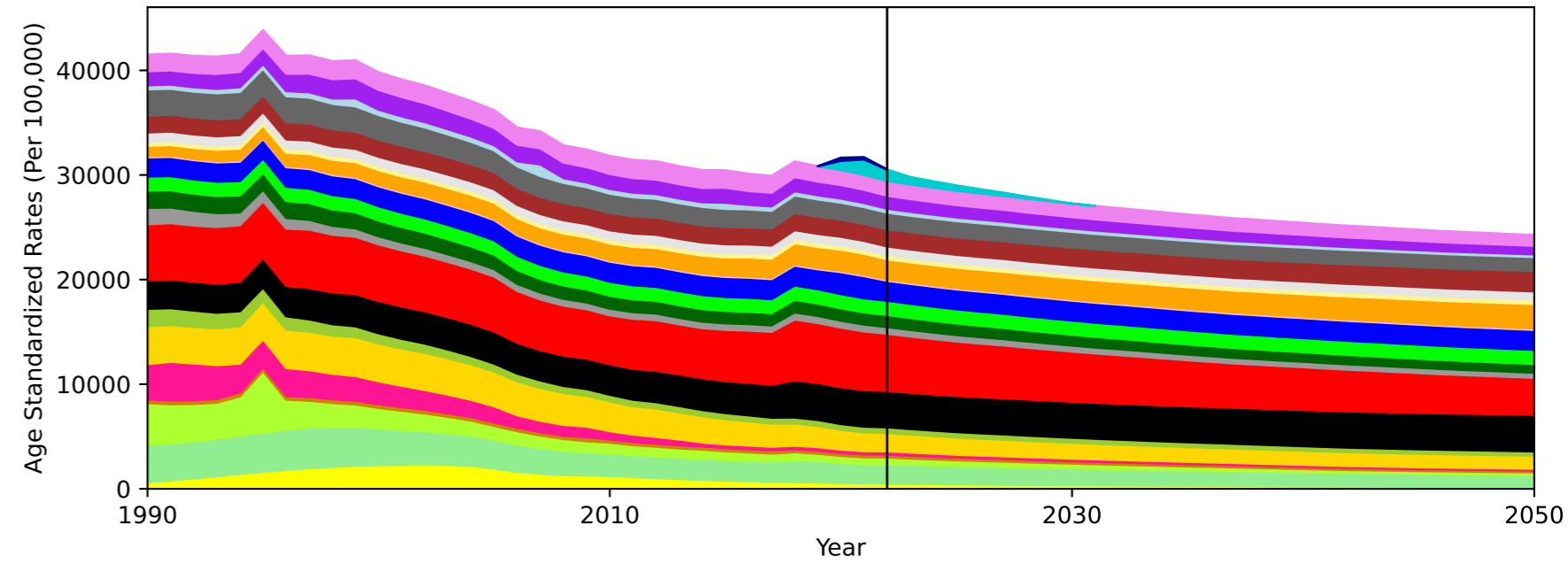


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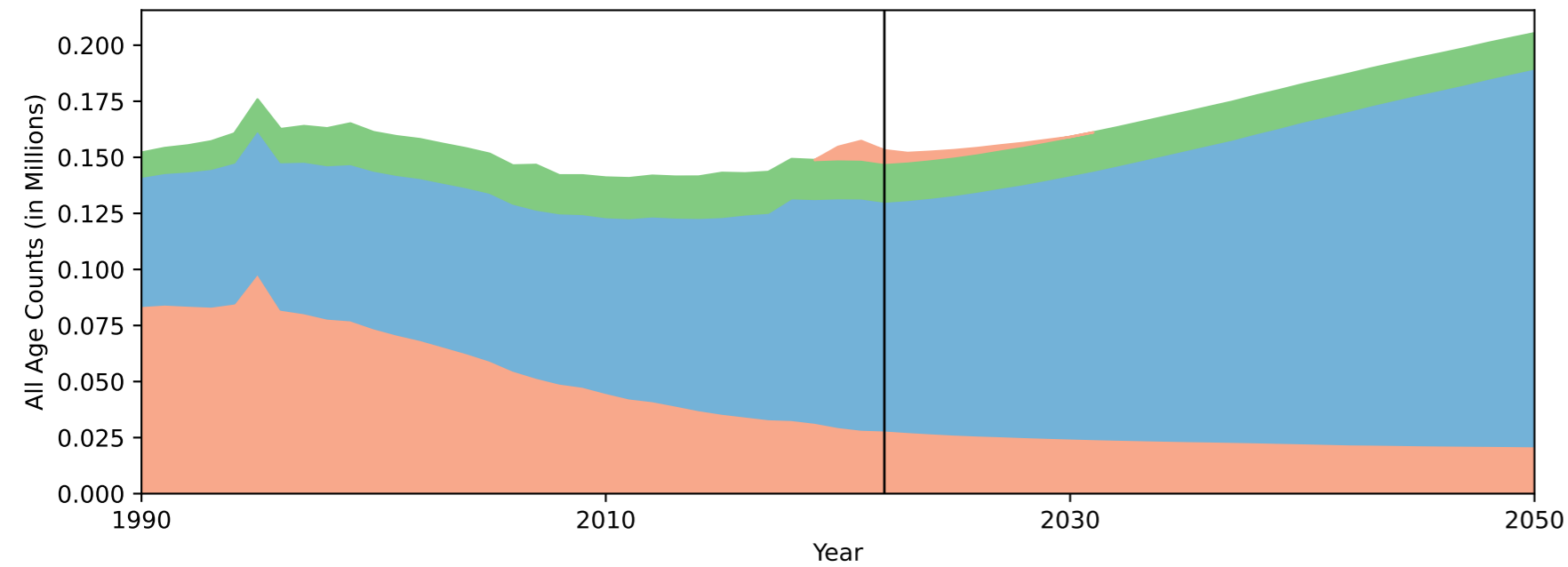
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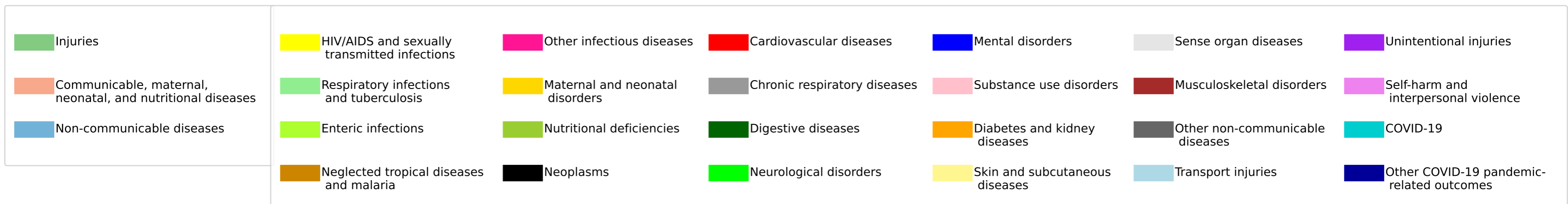
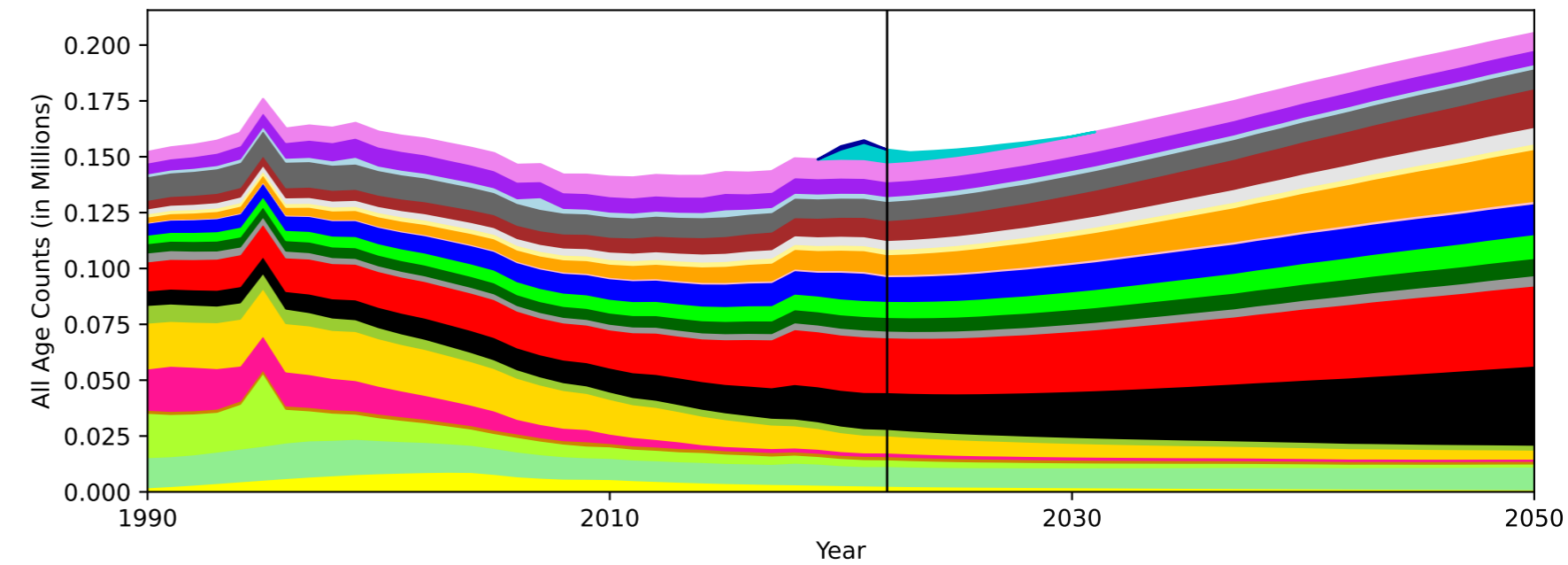
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Level 1

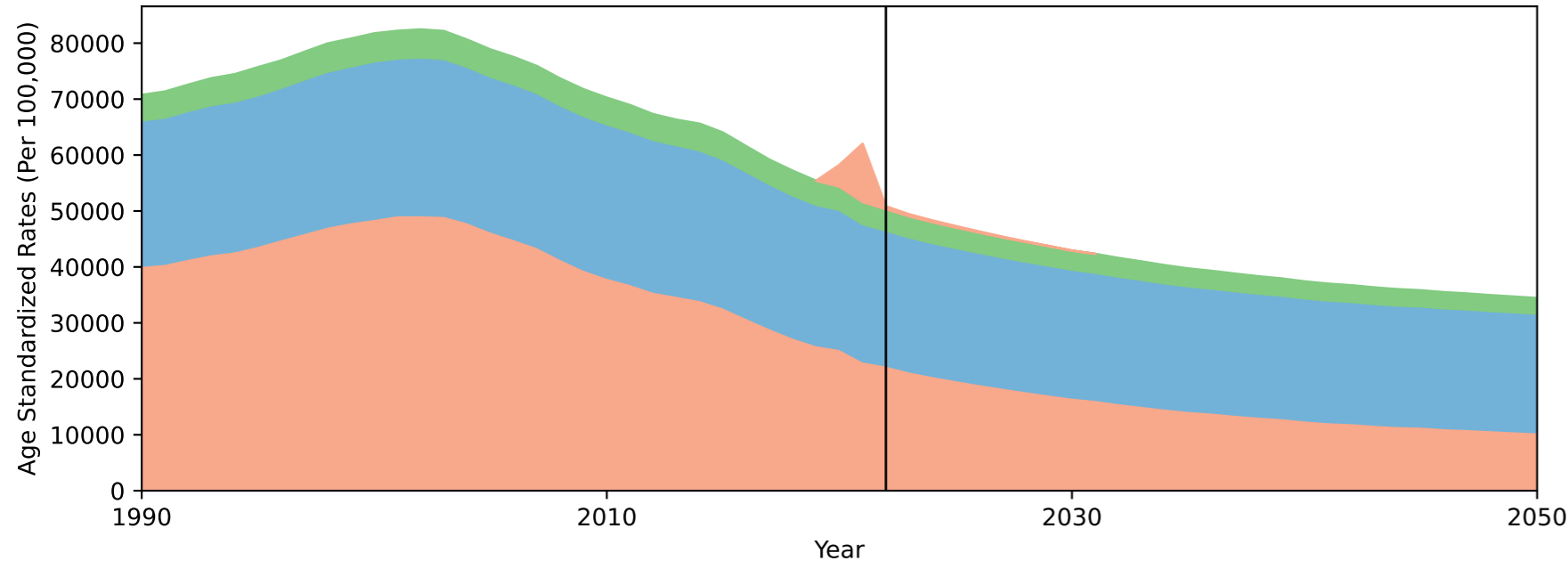


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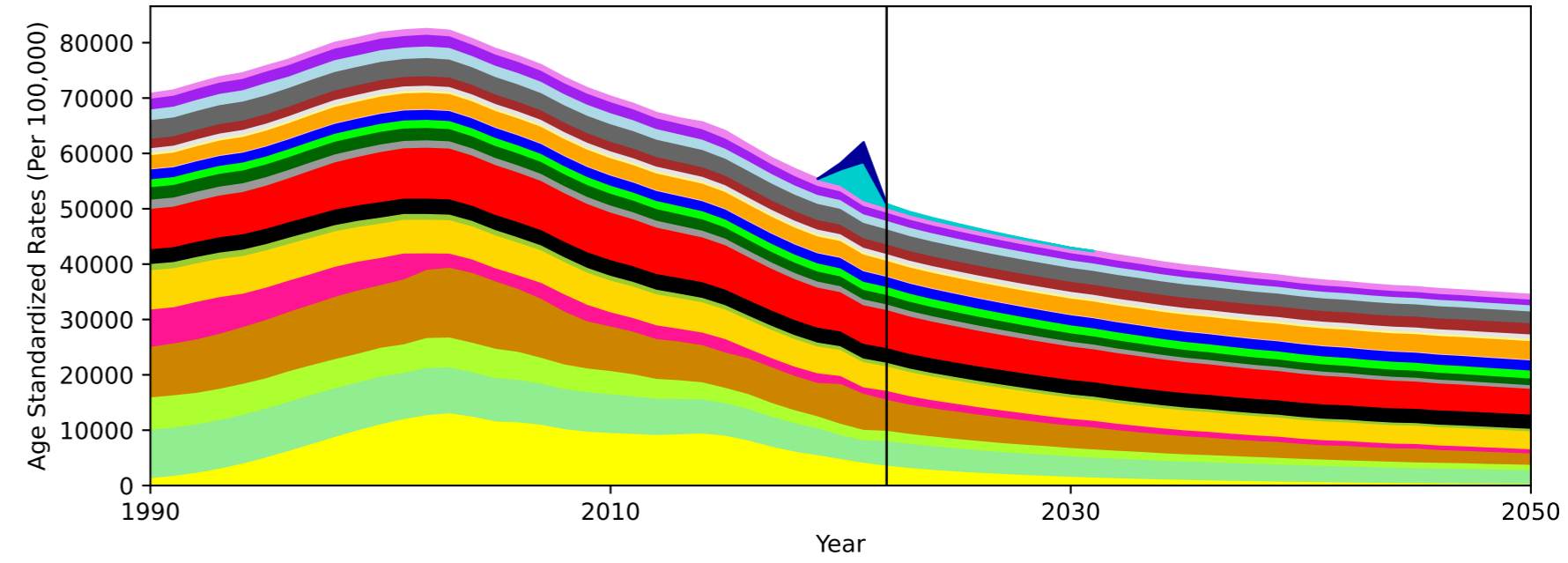


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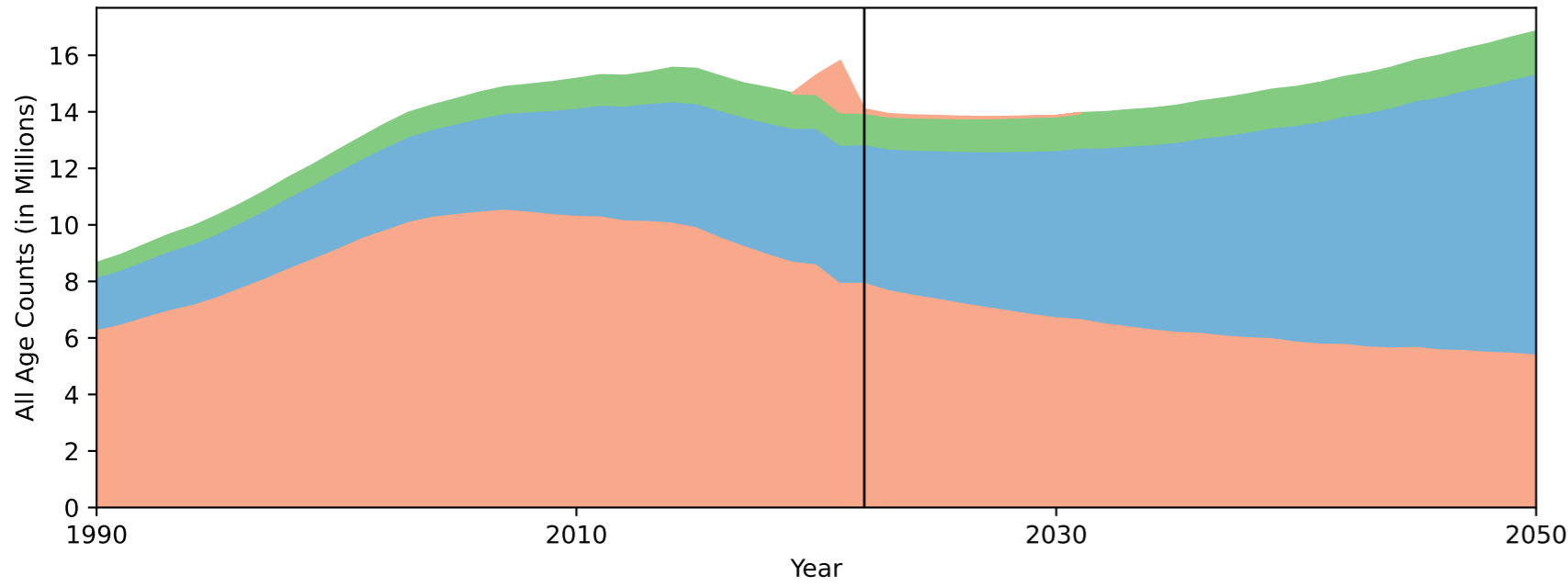
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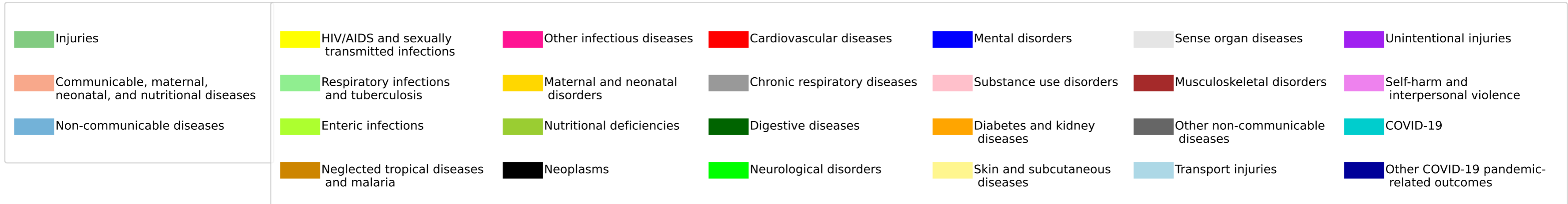
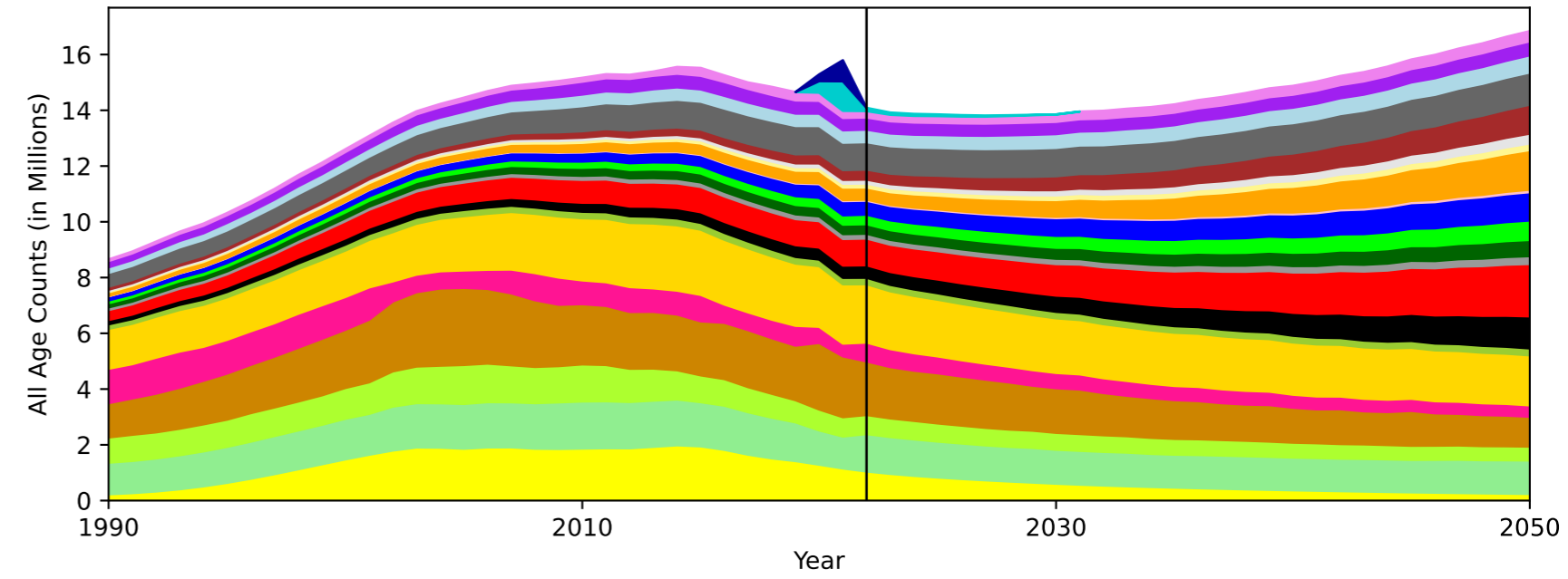
Level 2



Level 1

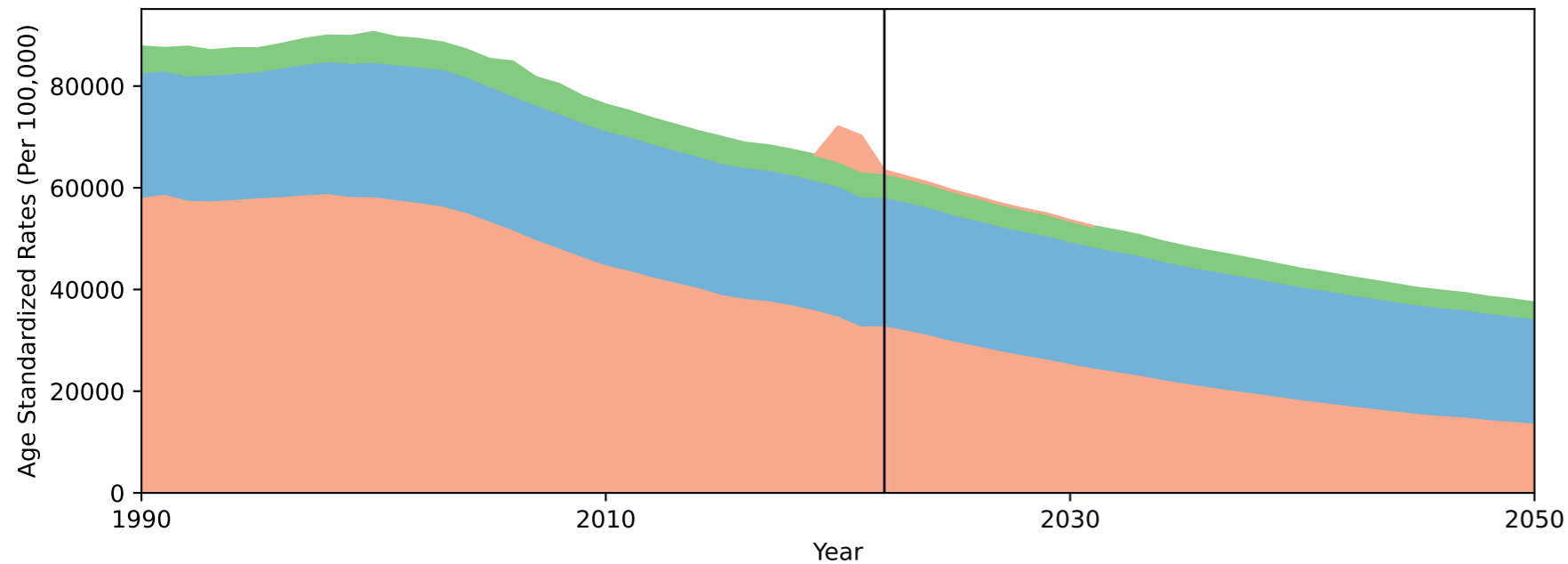


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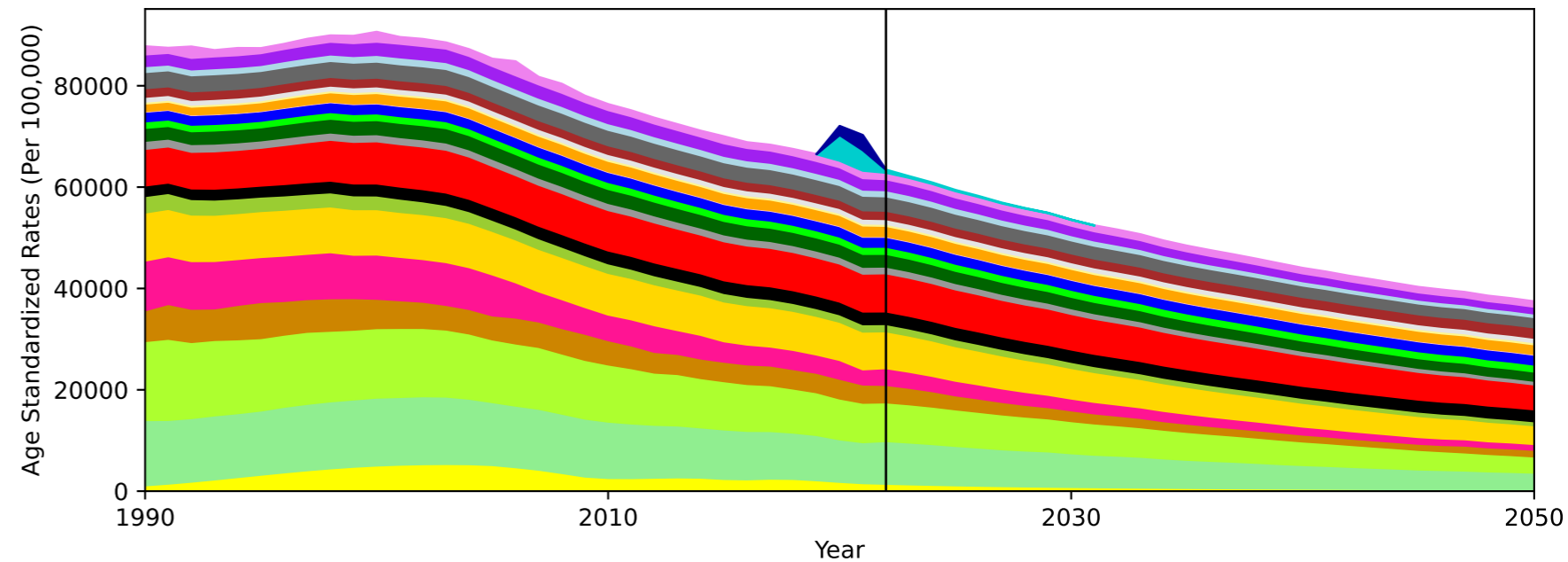


# Chad

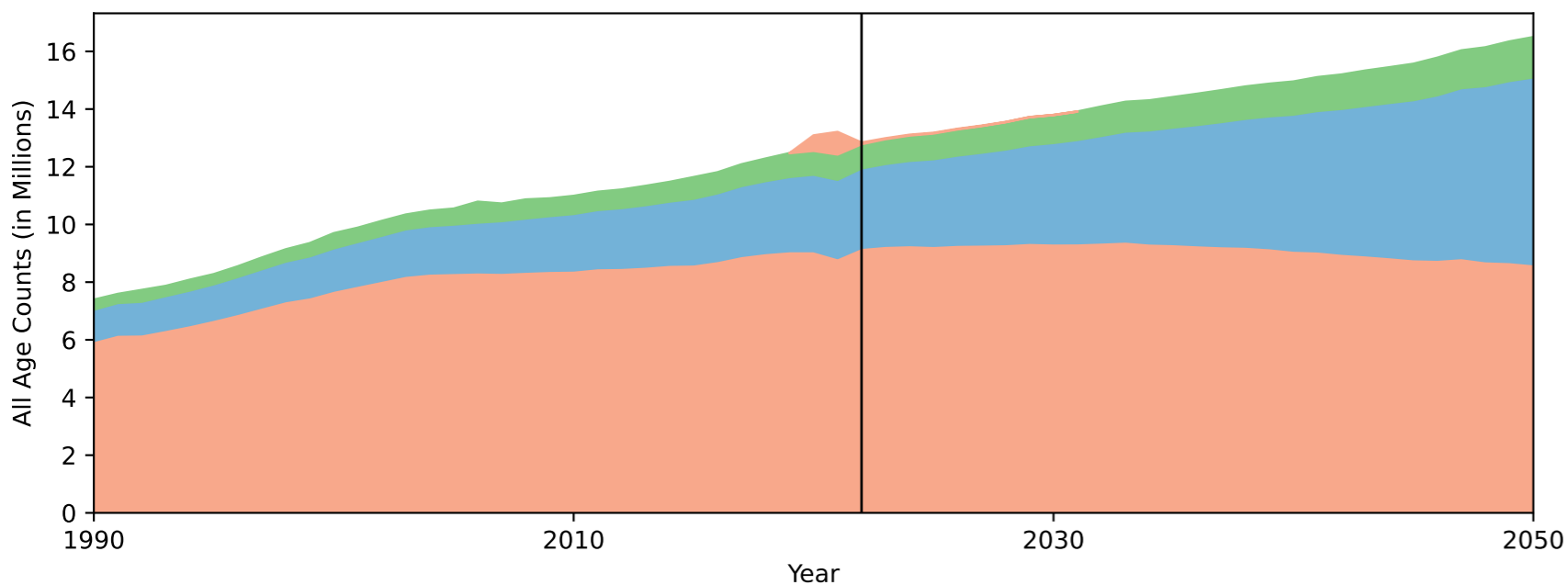
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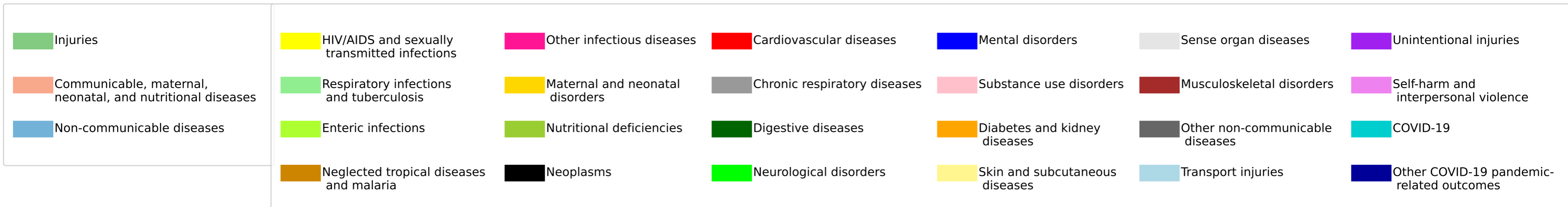
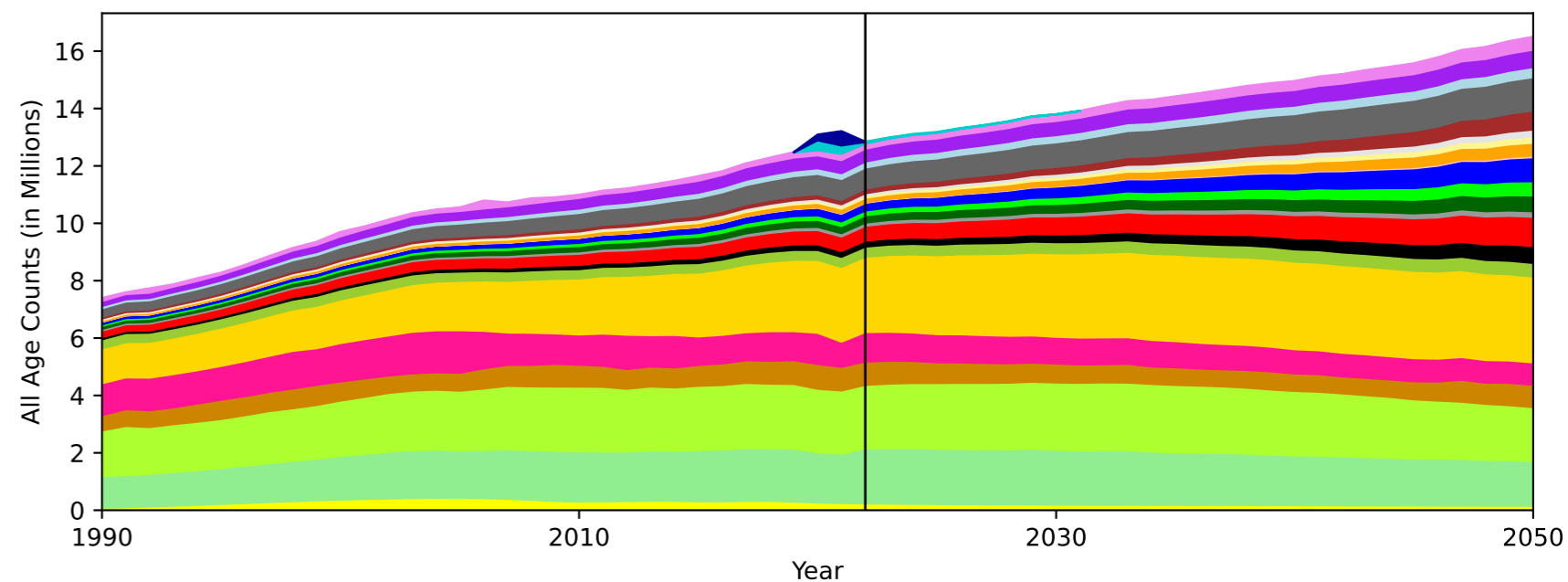
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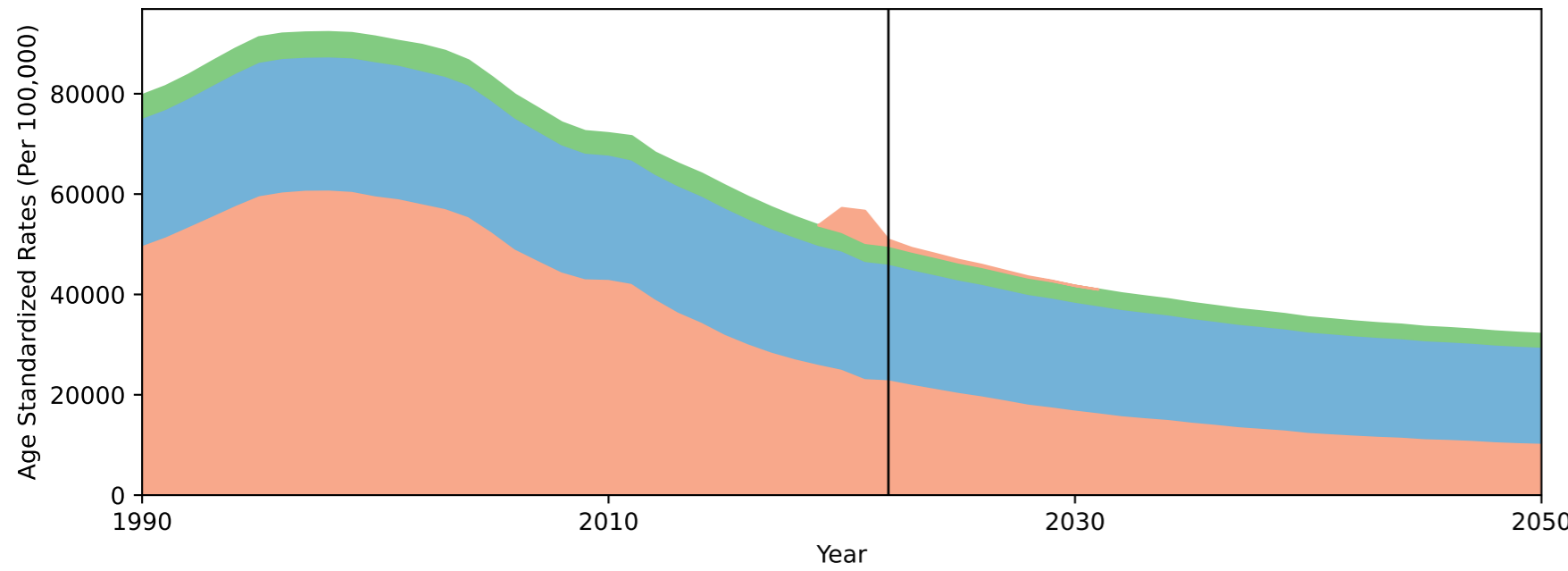
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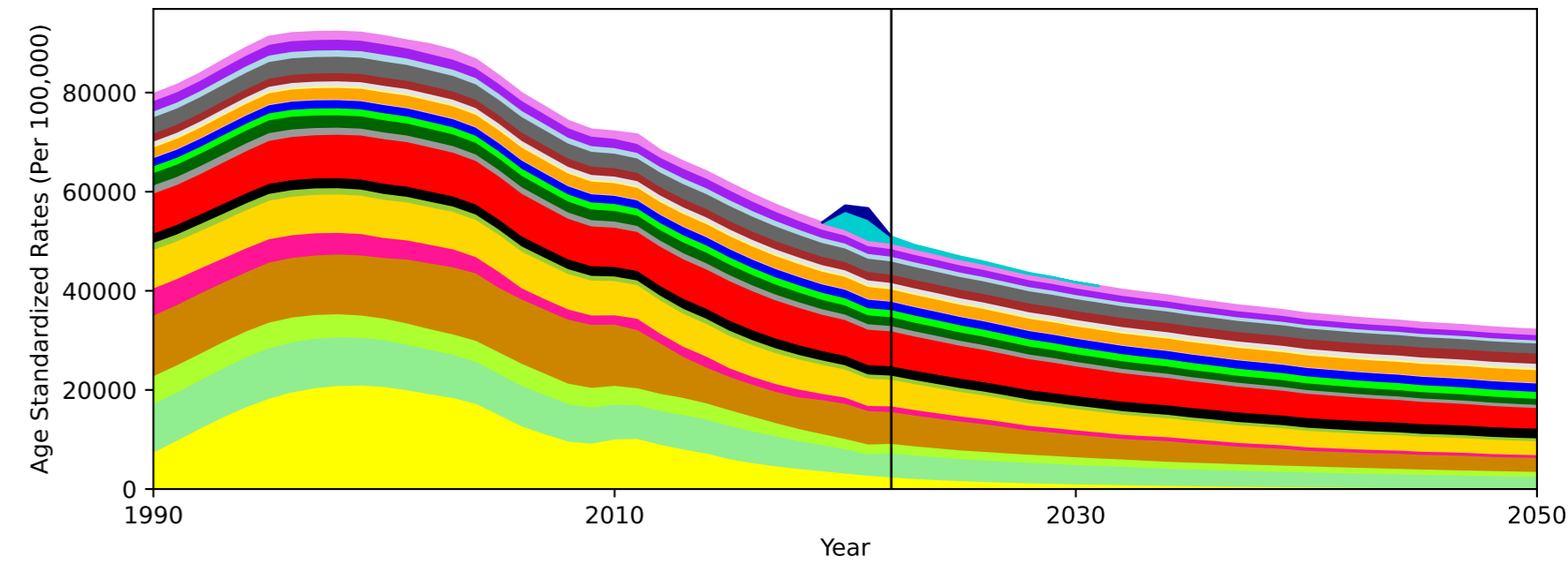
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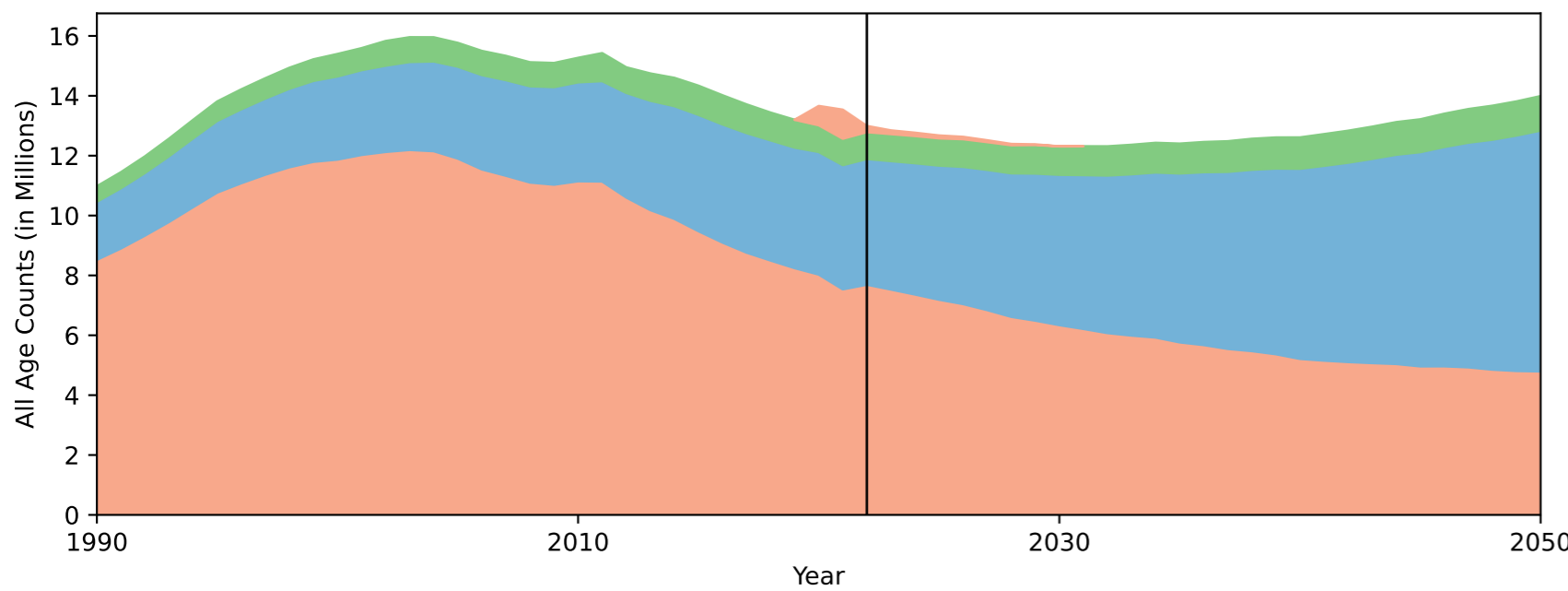
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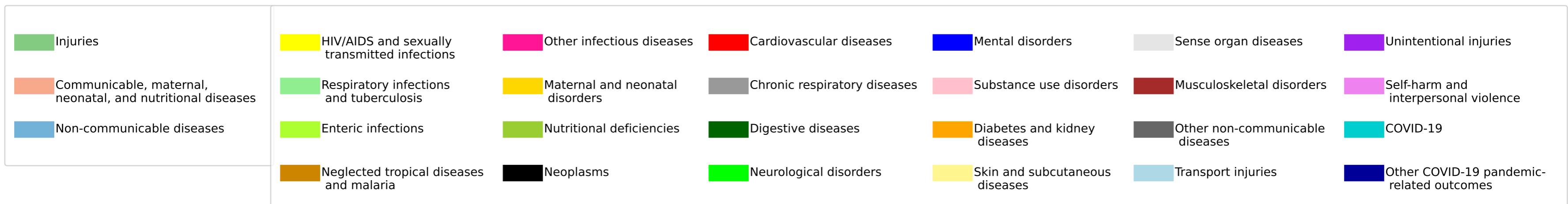
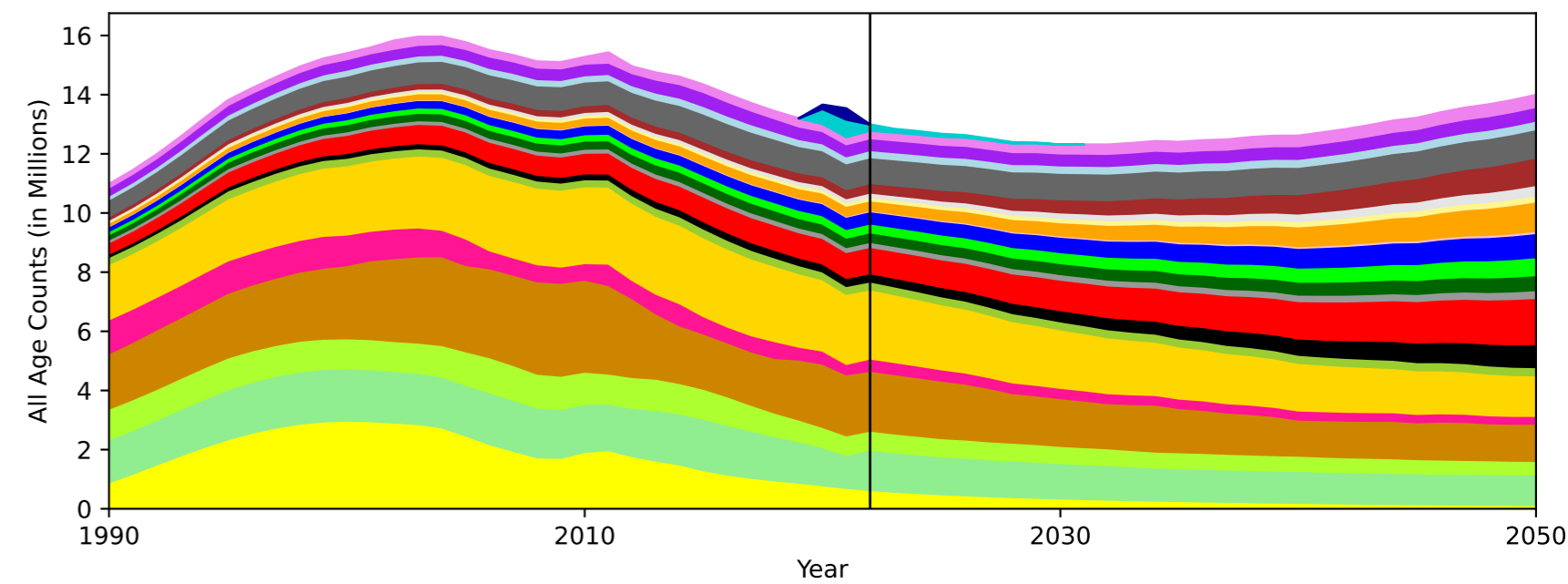
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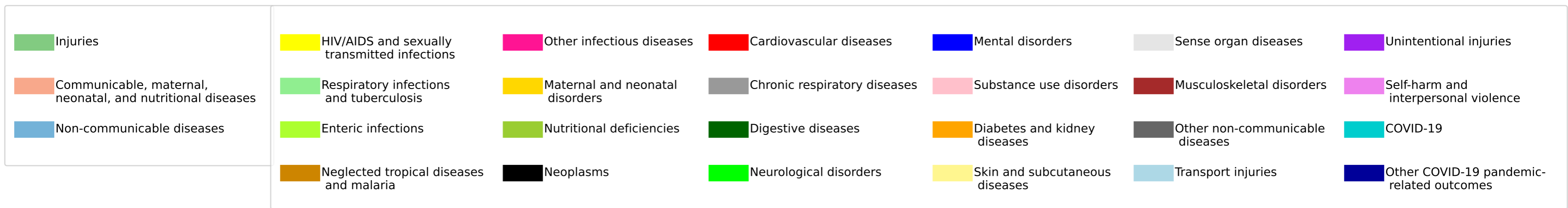
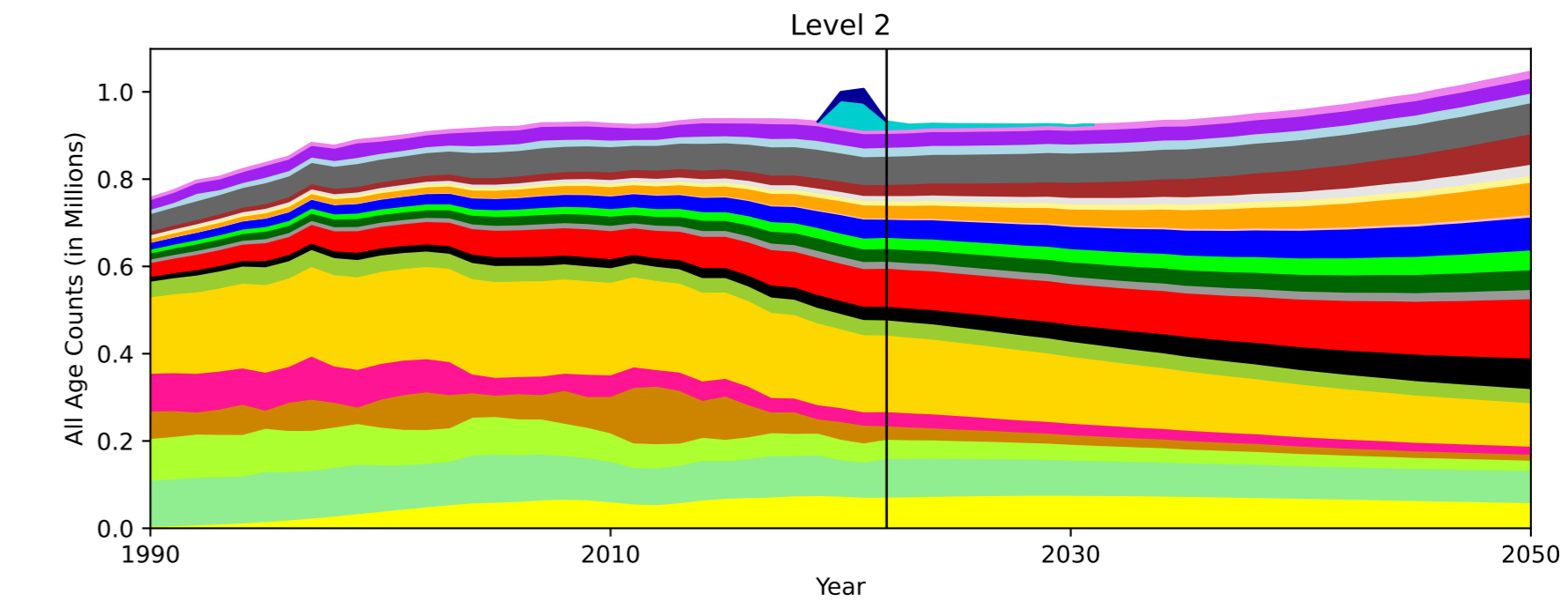
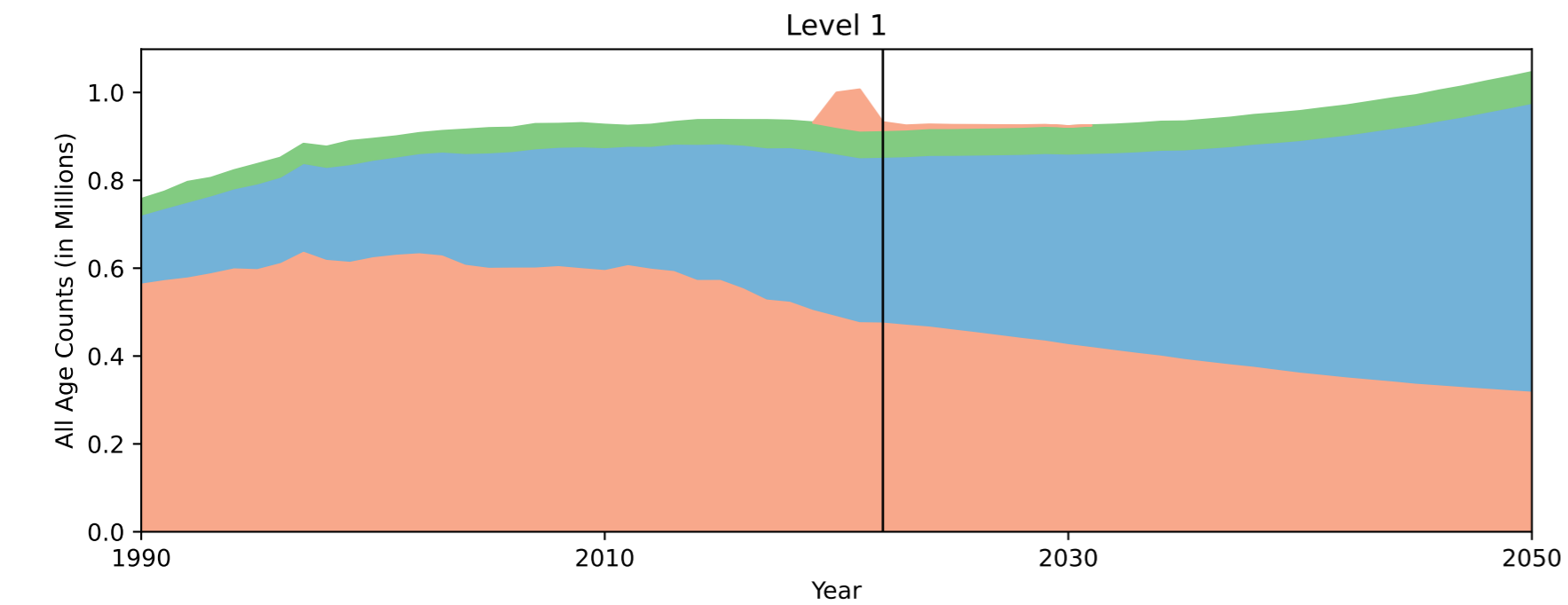
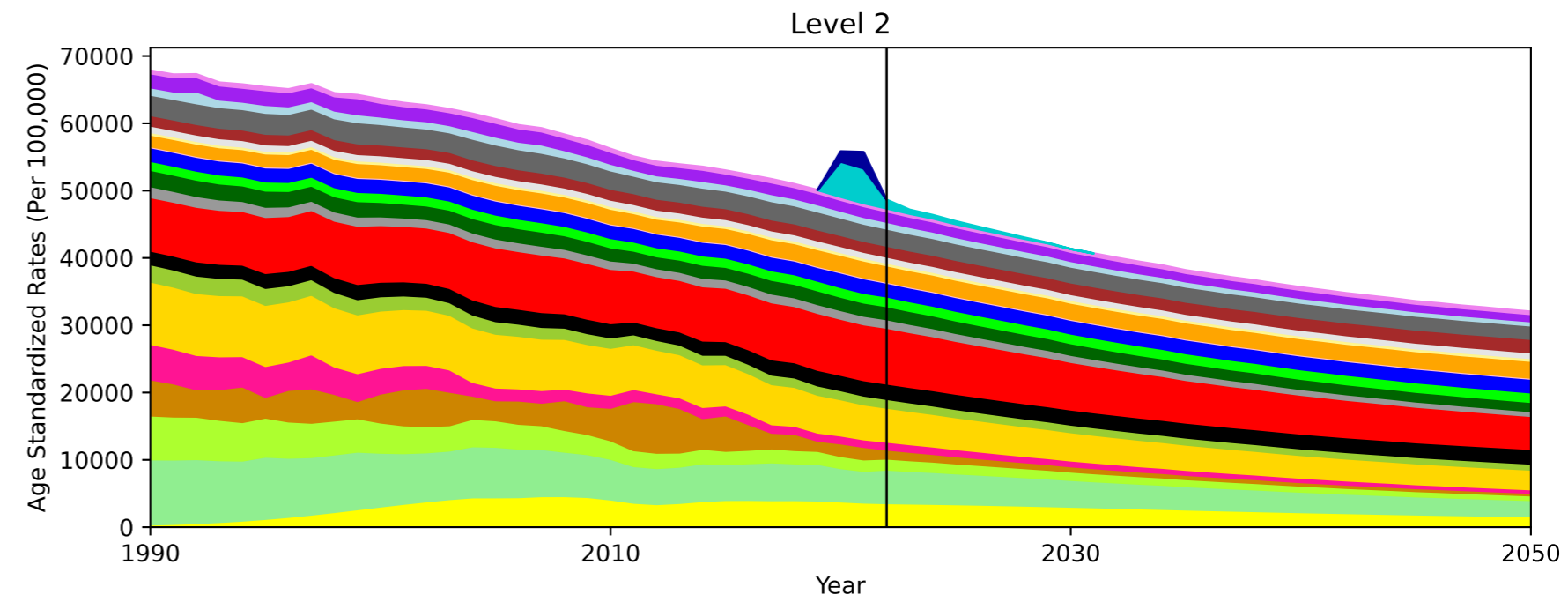
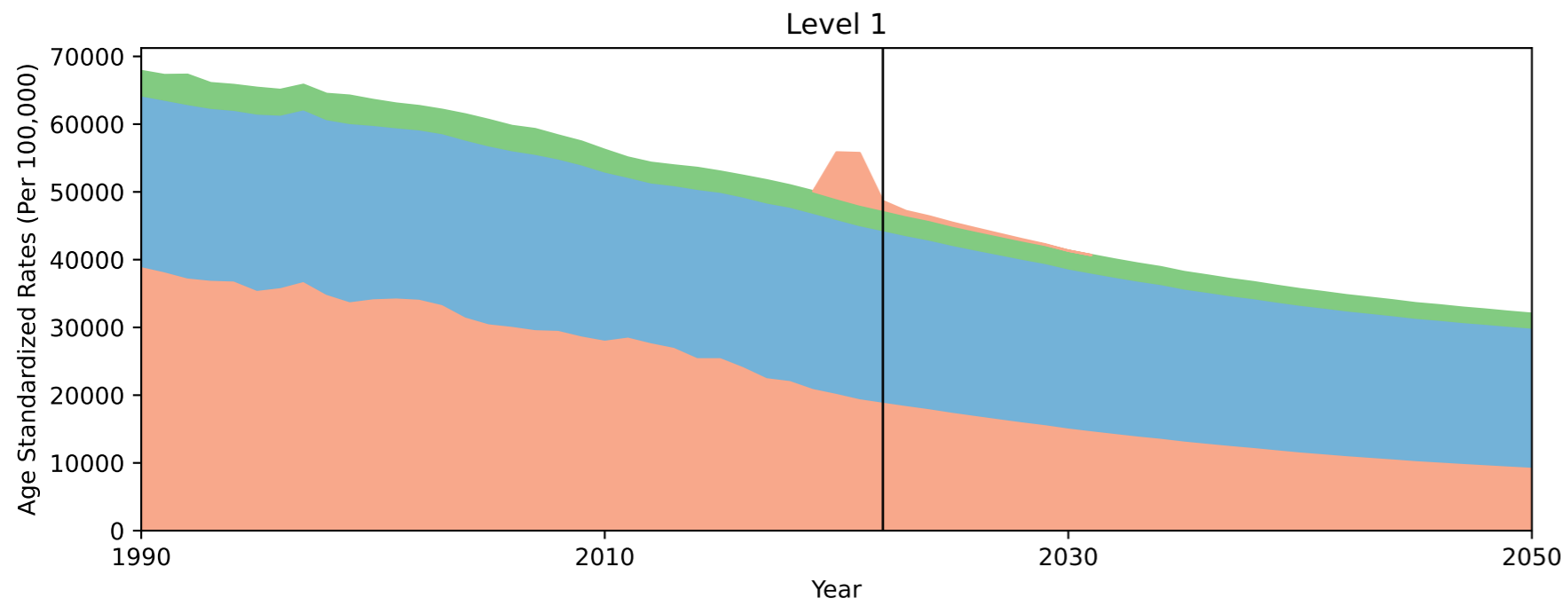
Level 1



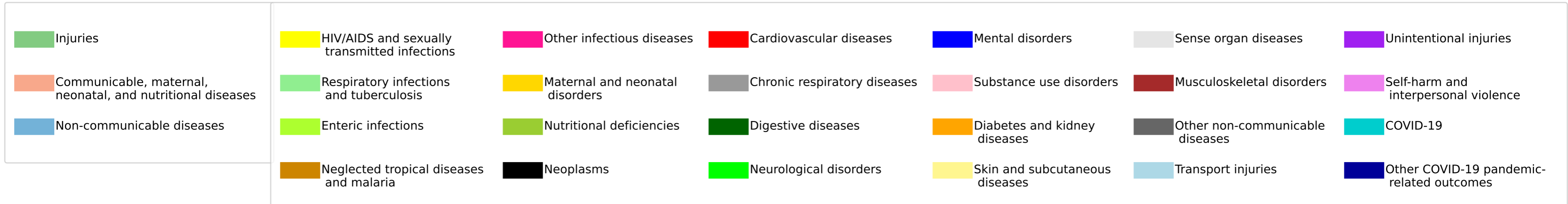
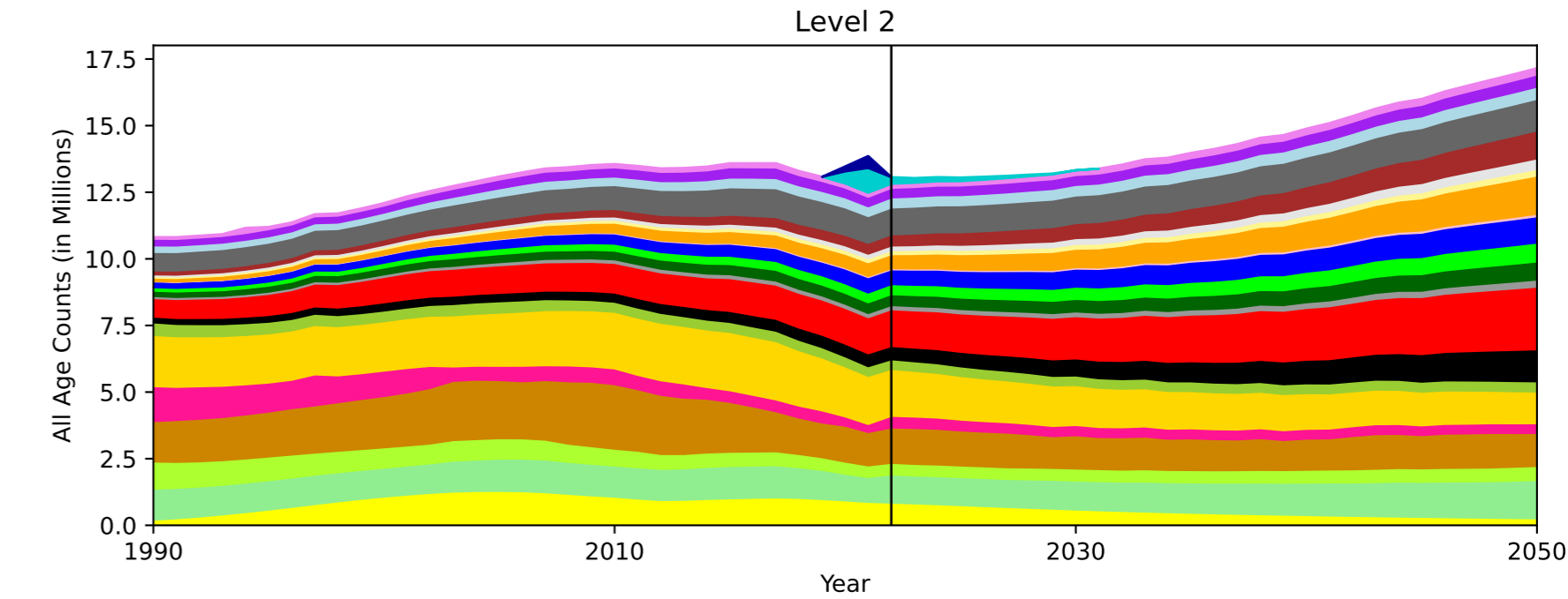
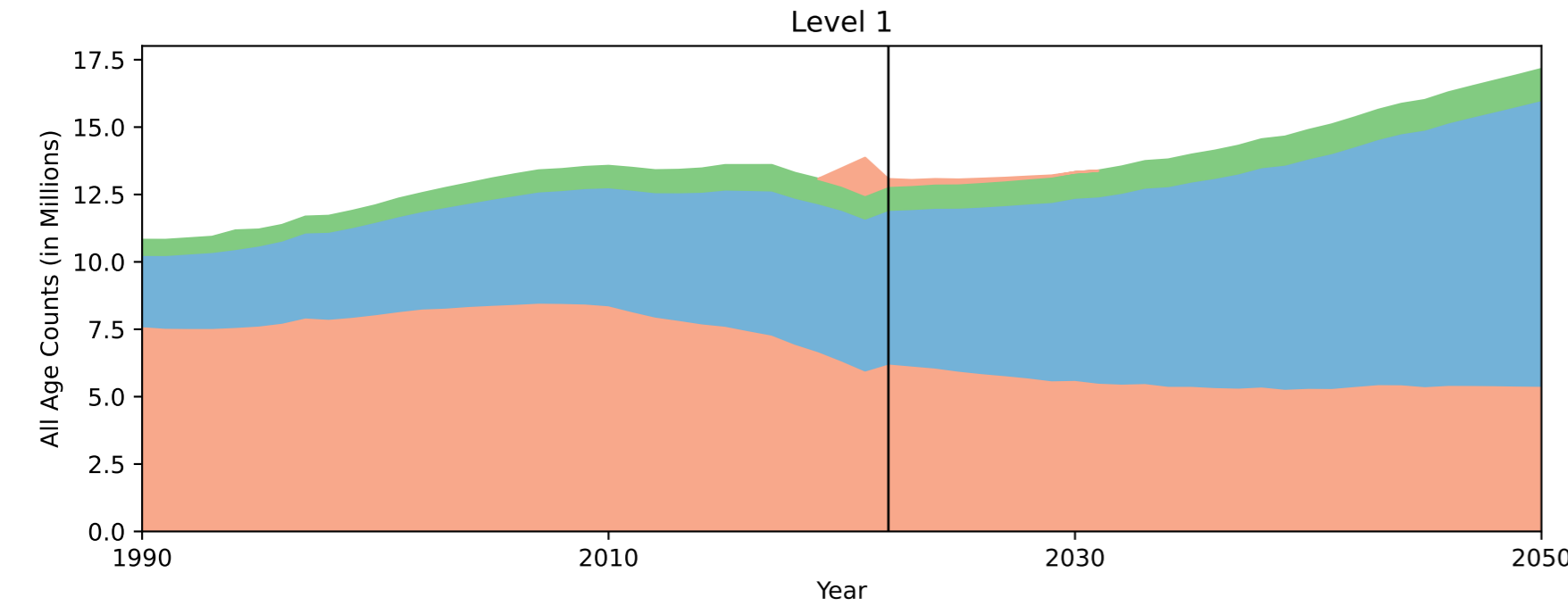
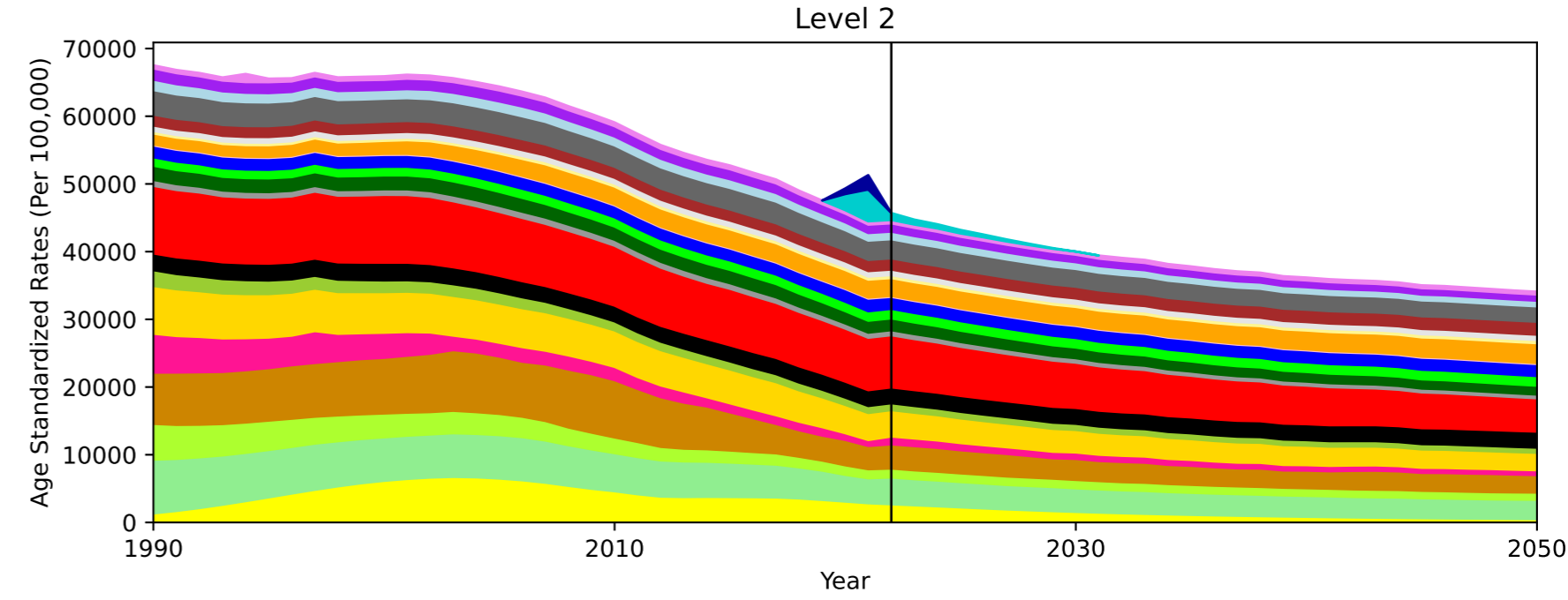
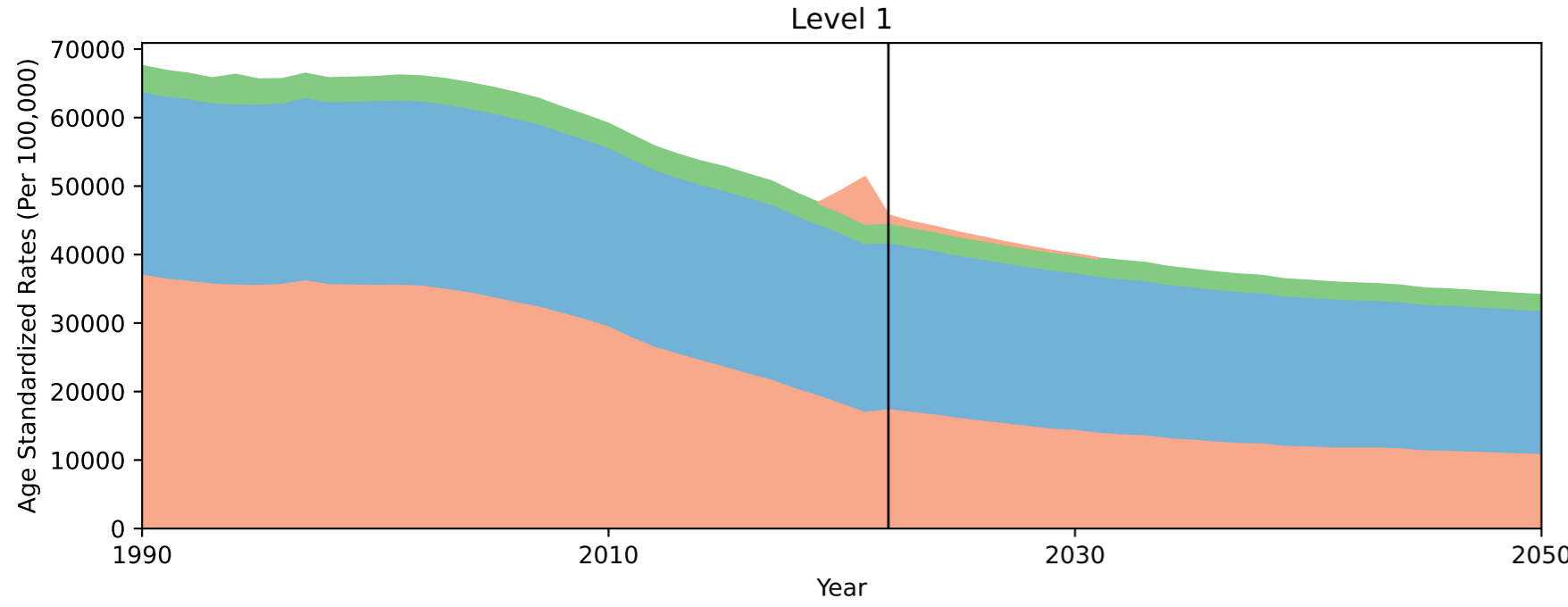
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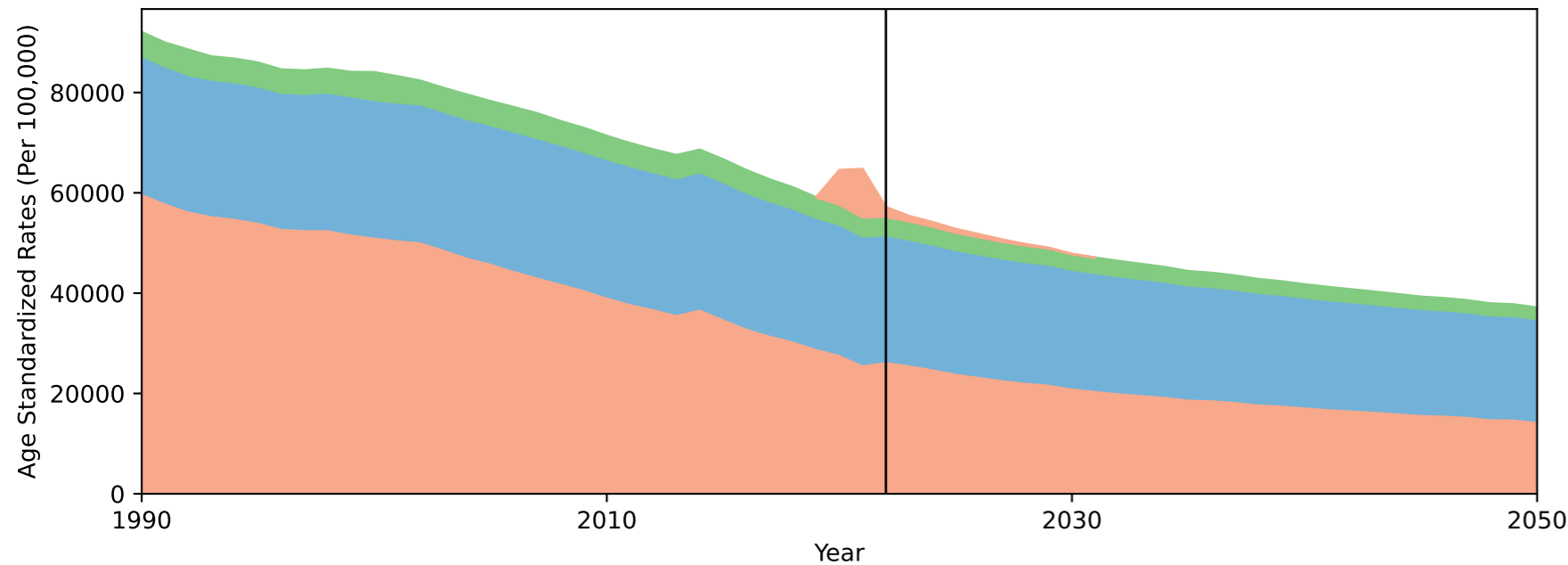
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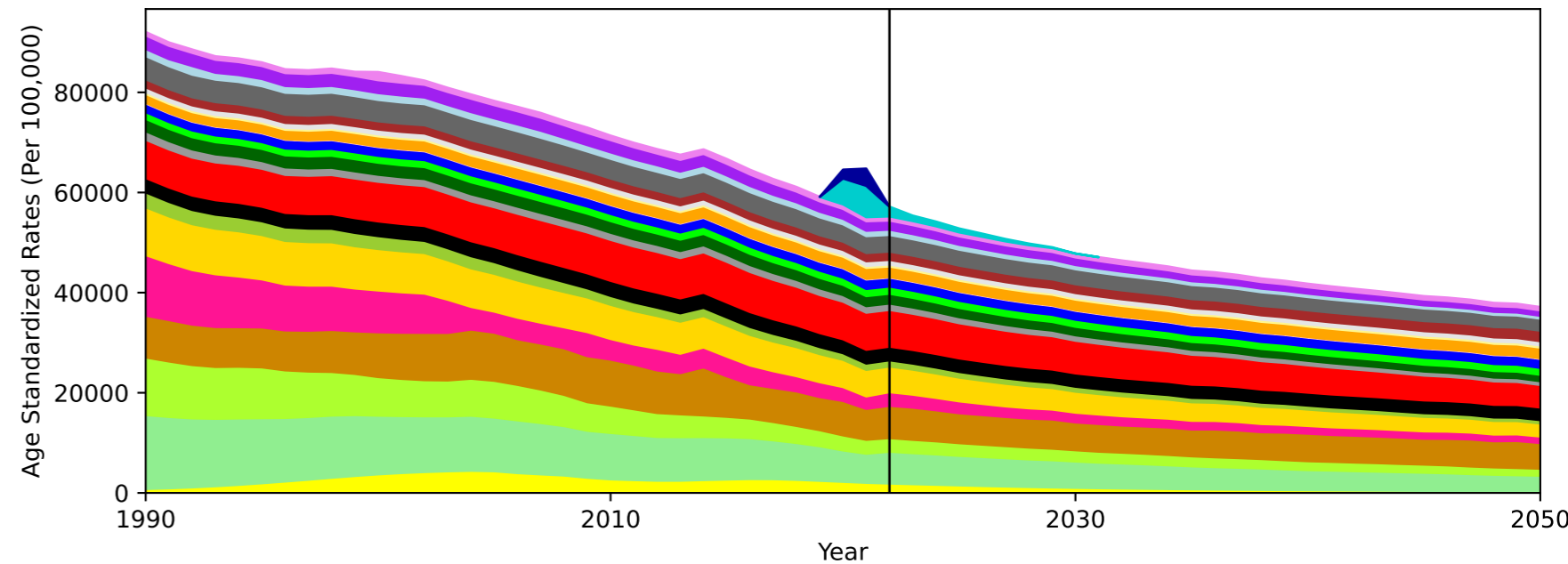
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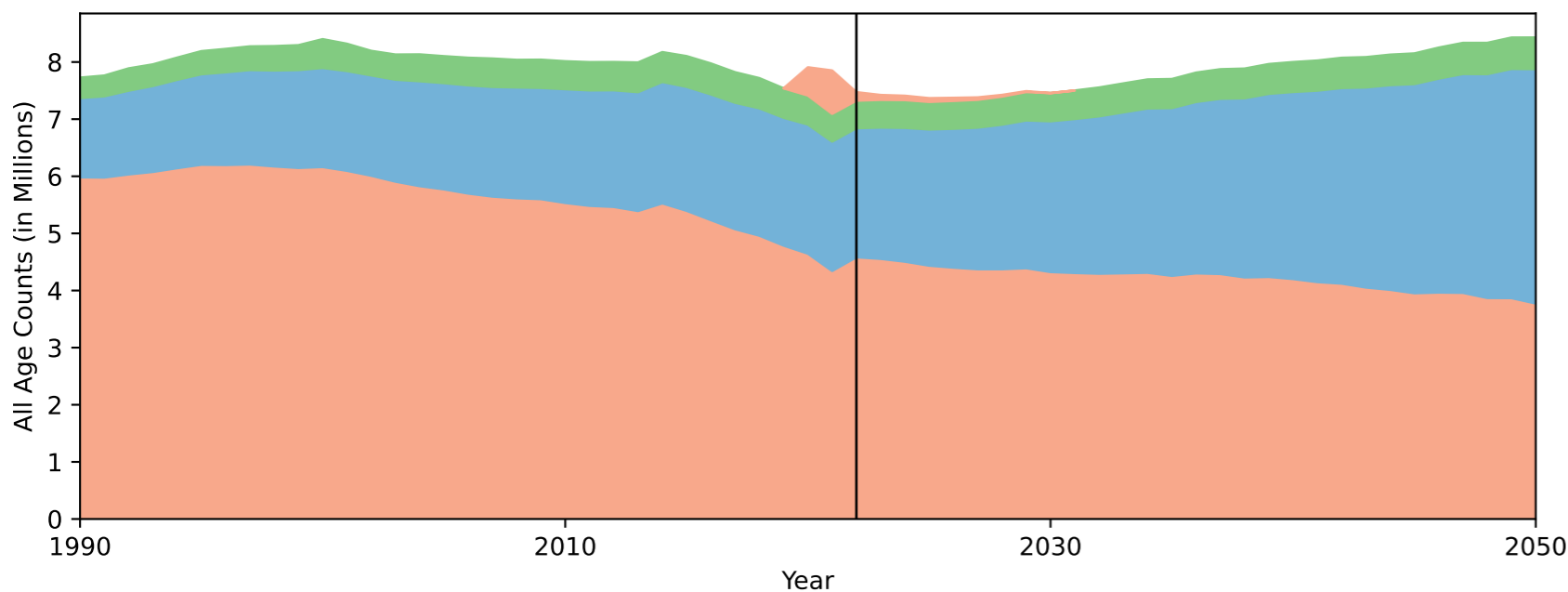
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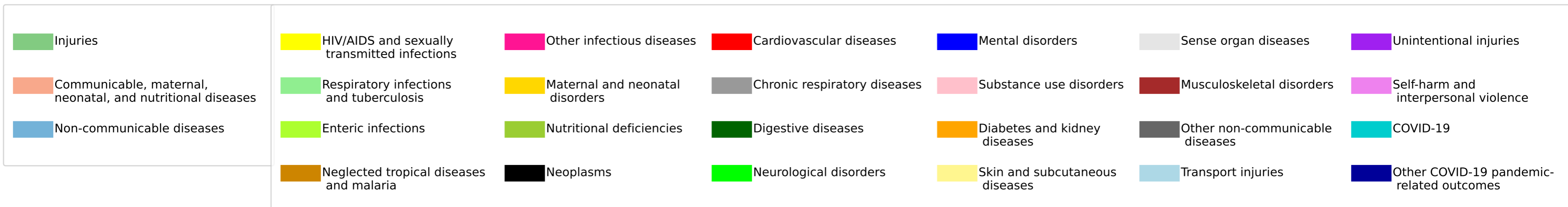
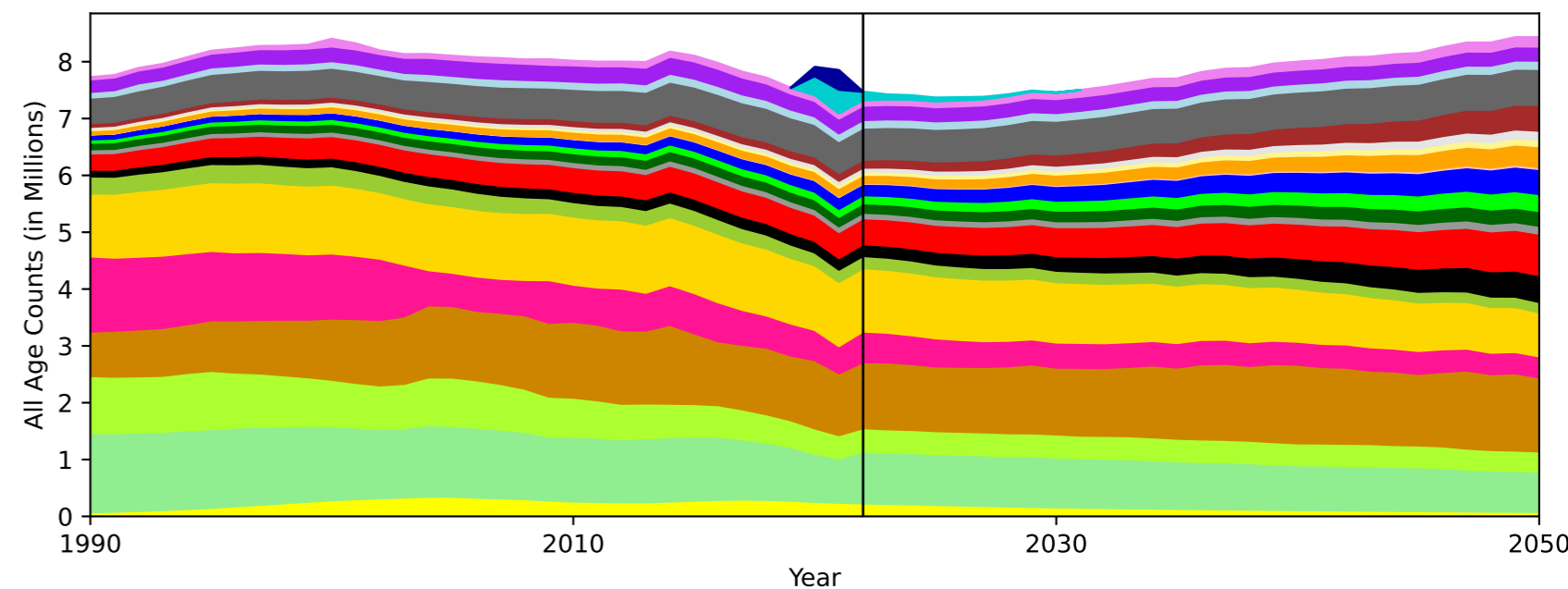
Level 2



Level 1



Level 2

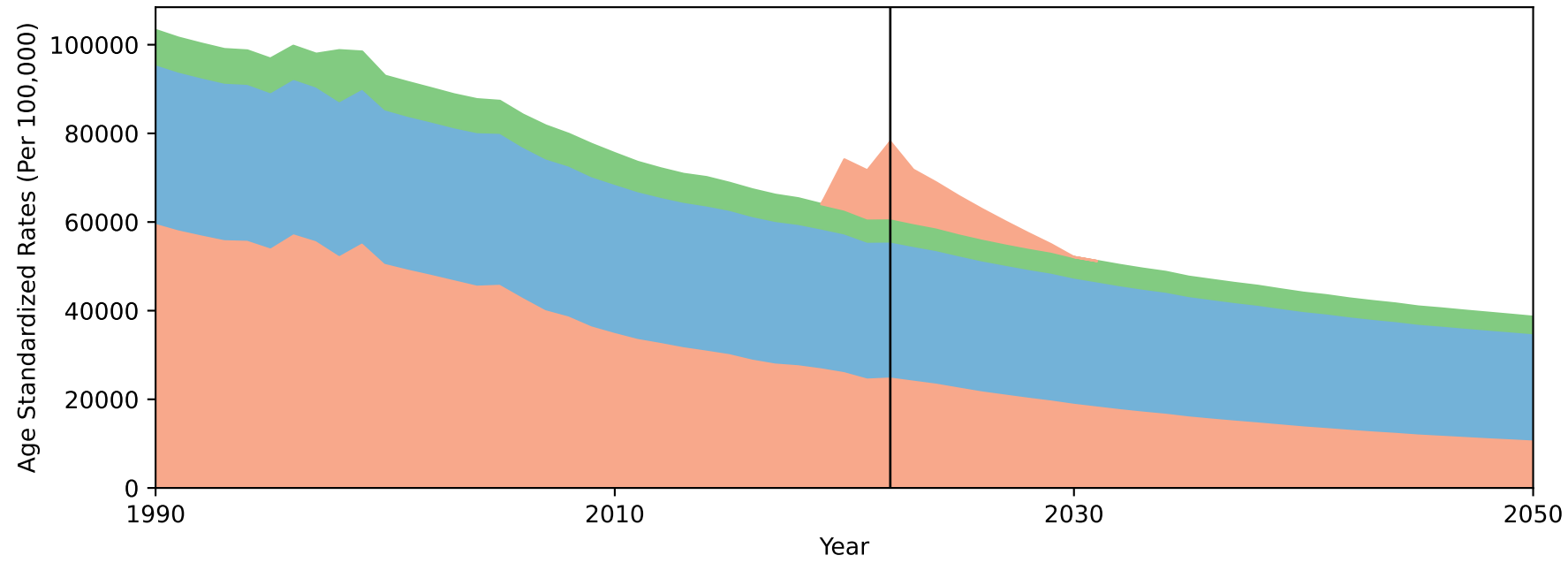


# Guinea-Bissau

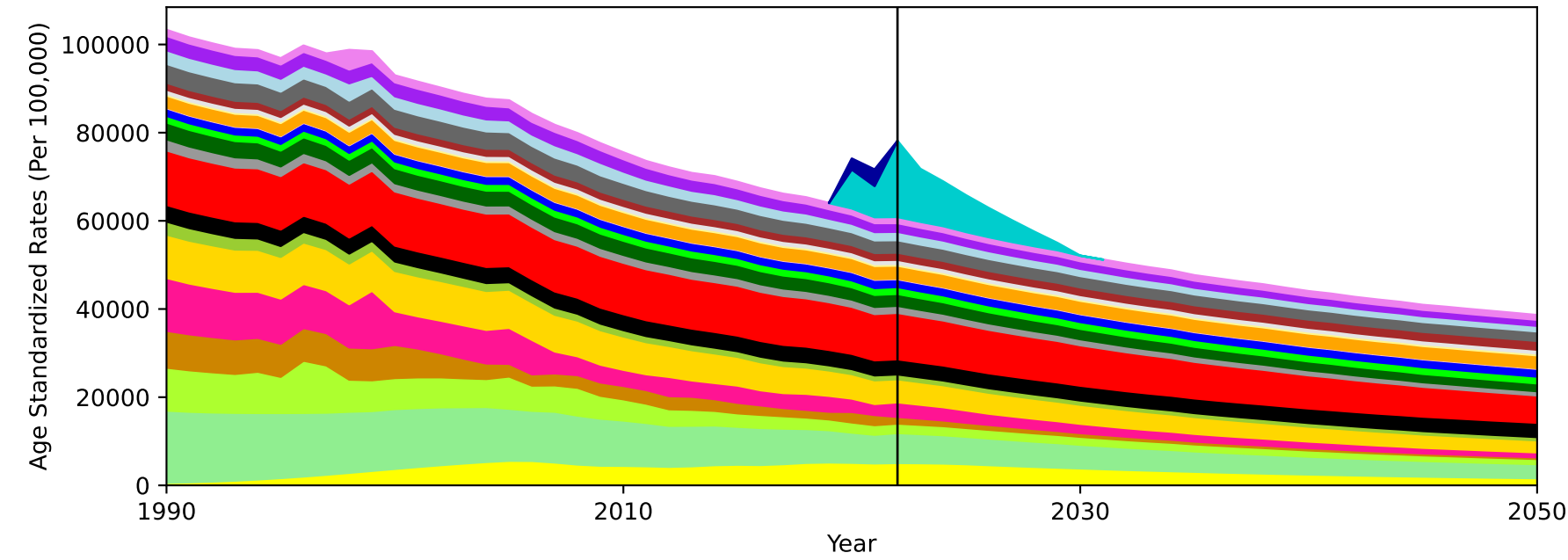
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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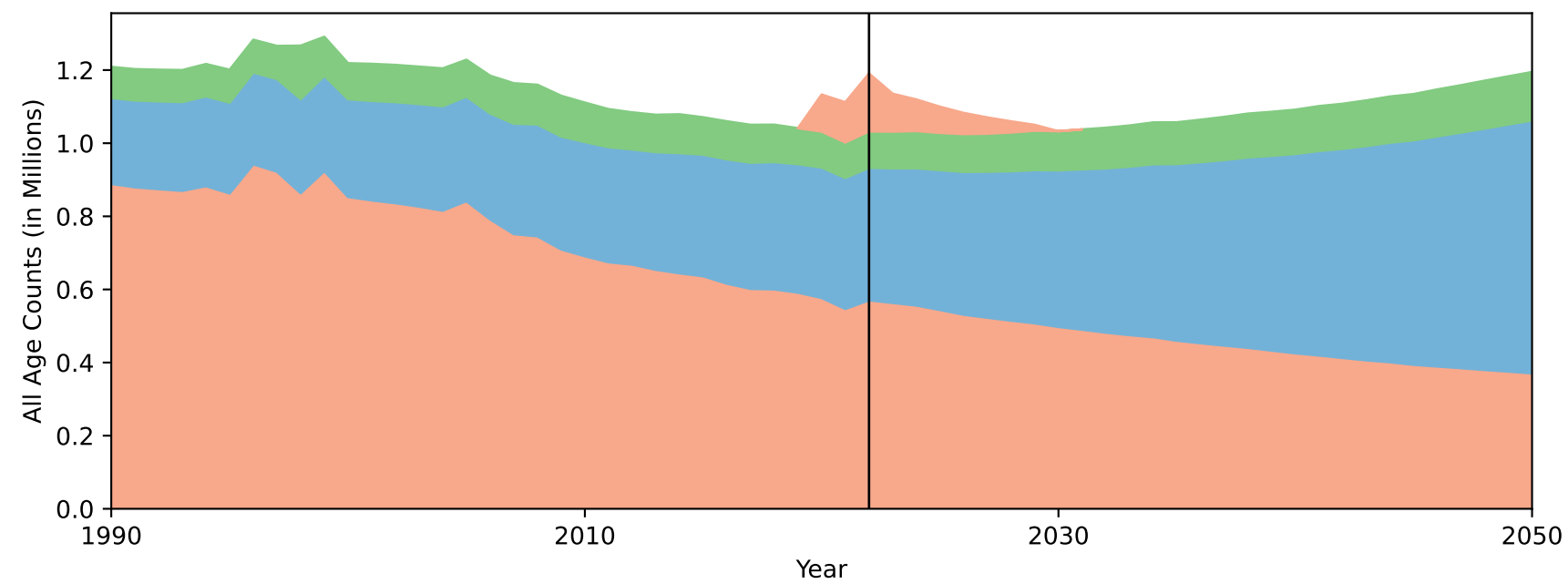
Level 1



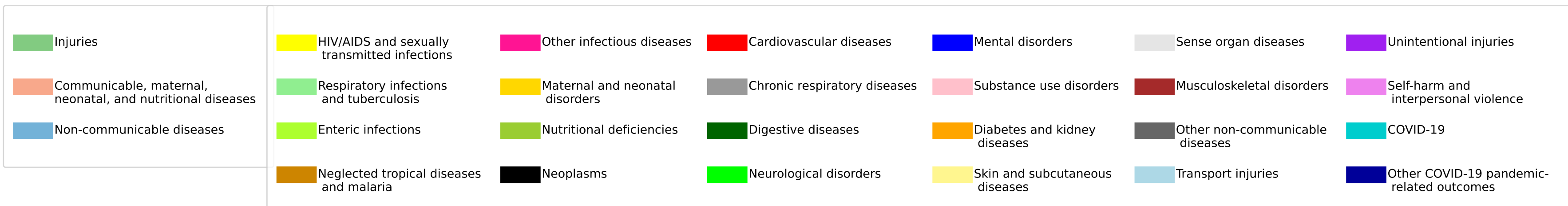
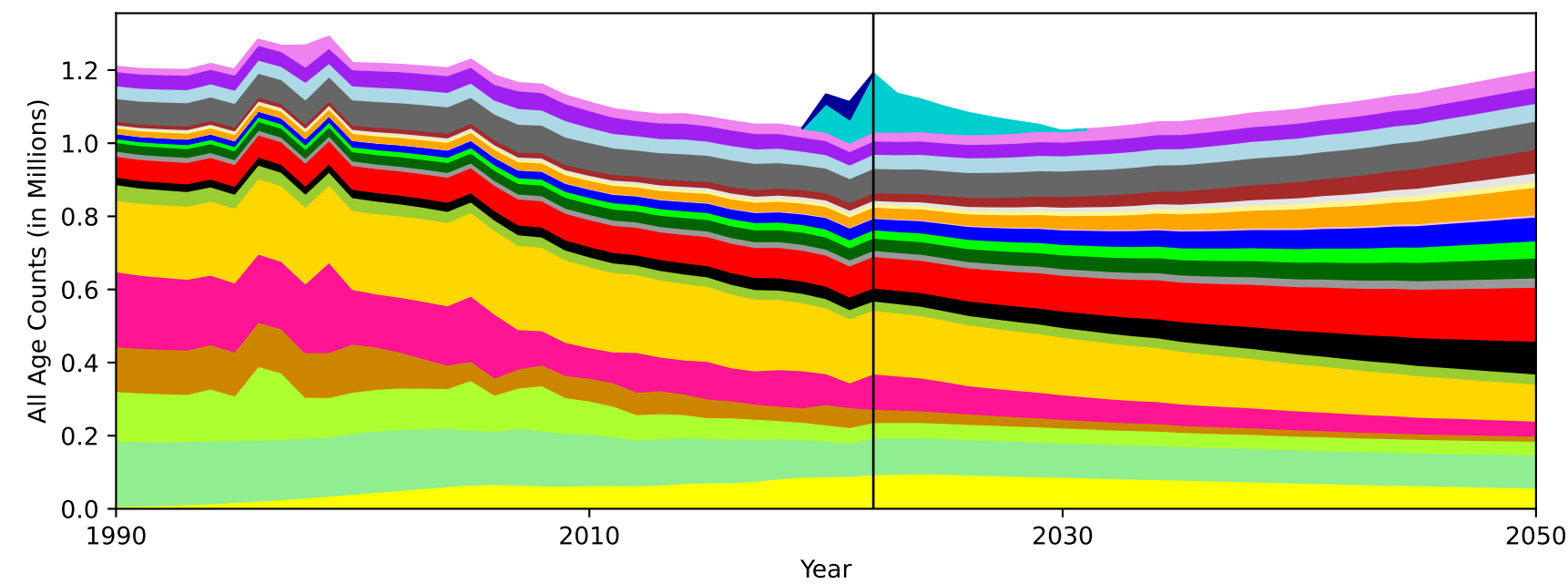
Level 2



Level 1



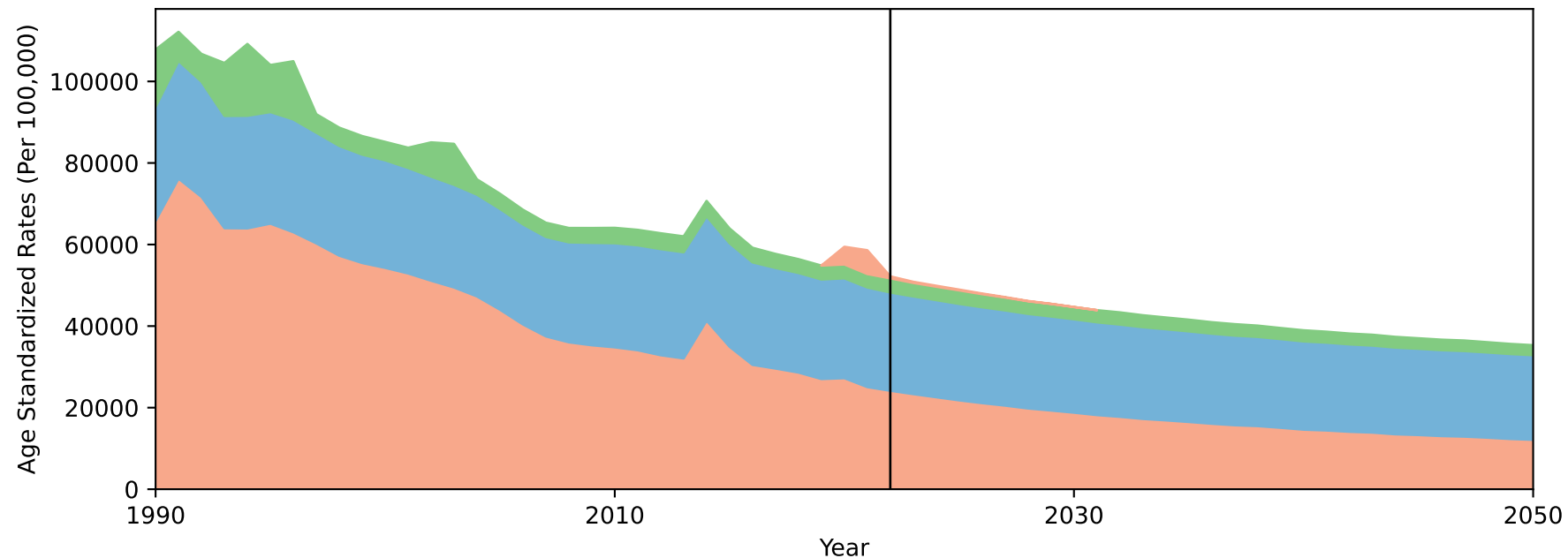
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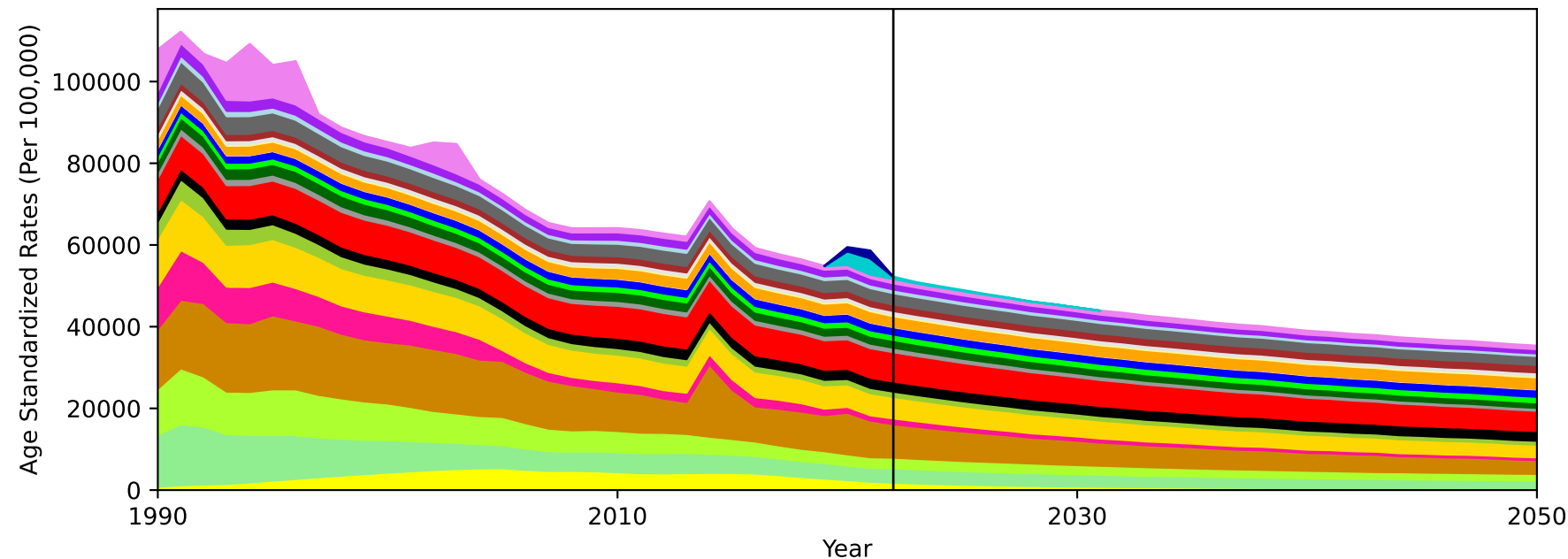


# Liberia

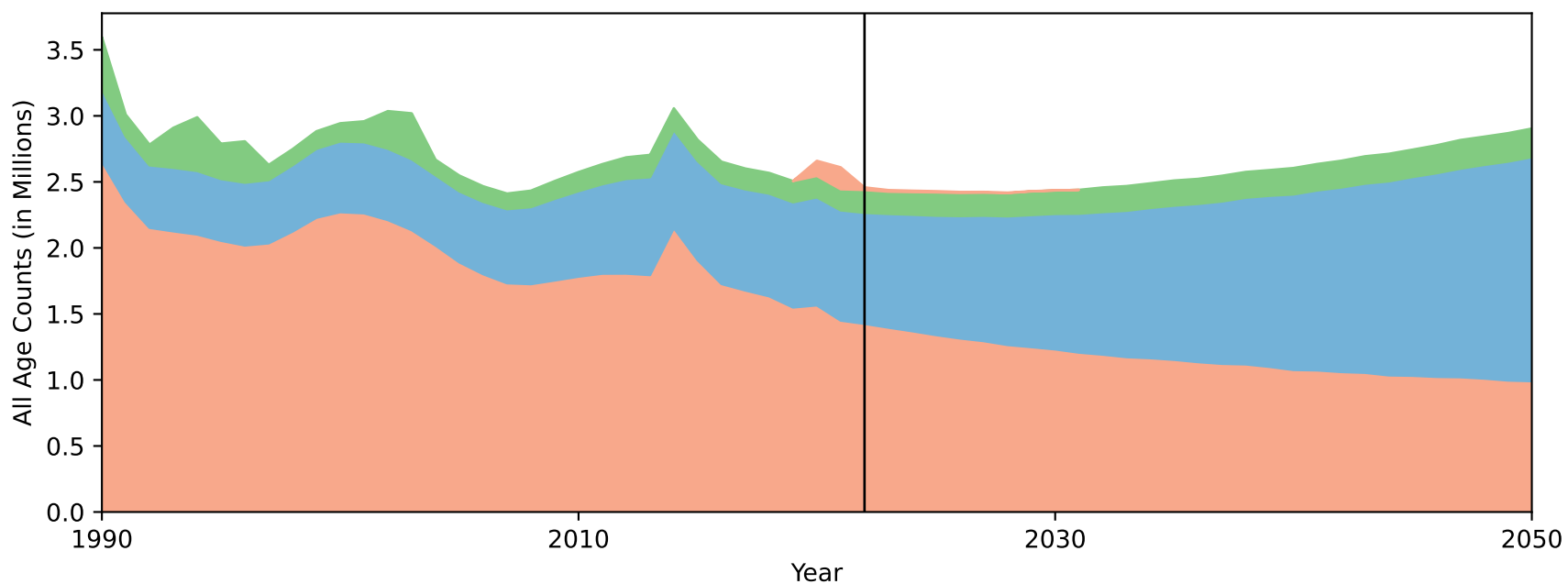
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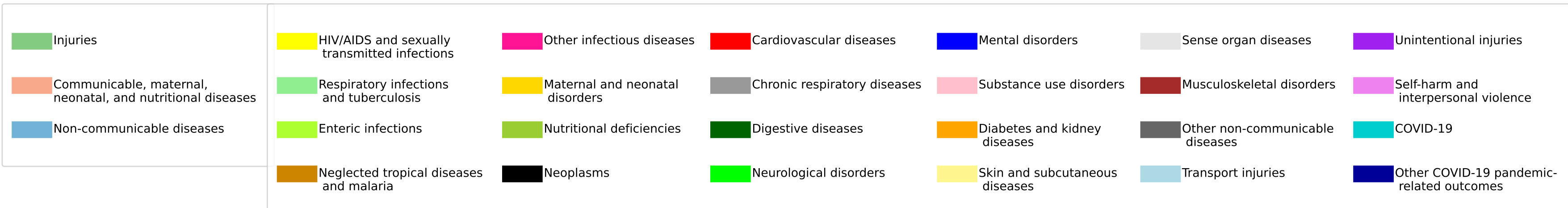
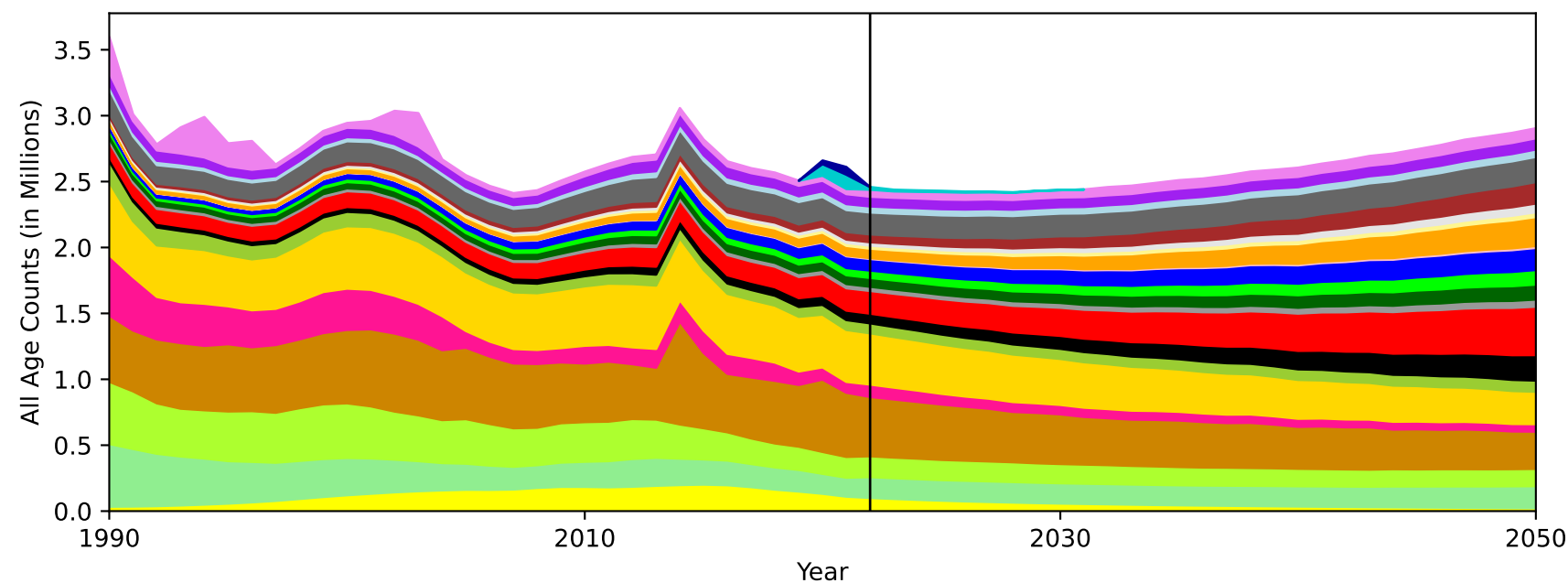
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Level 1

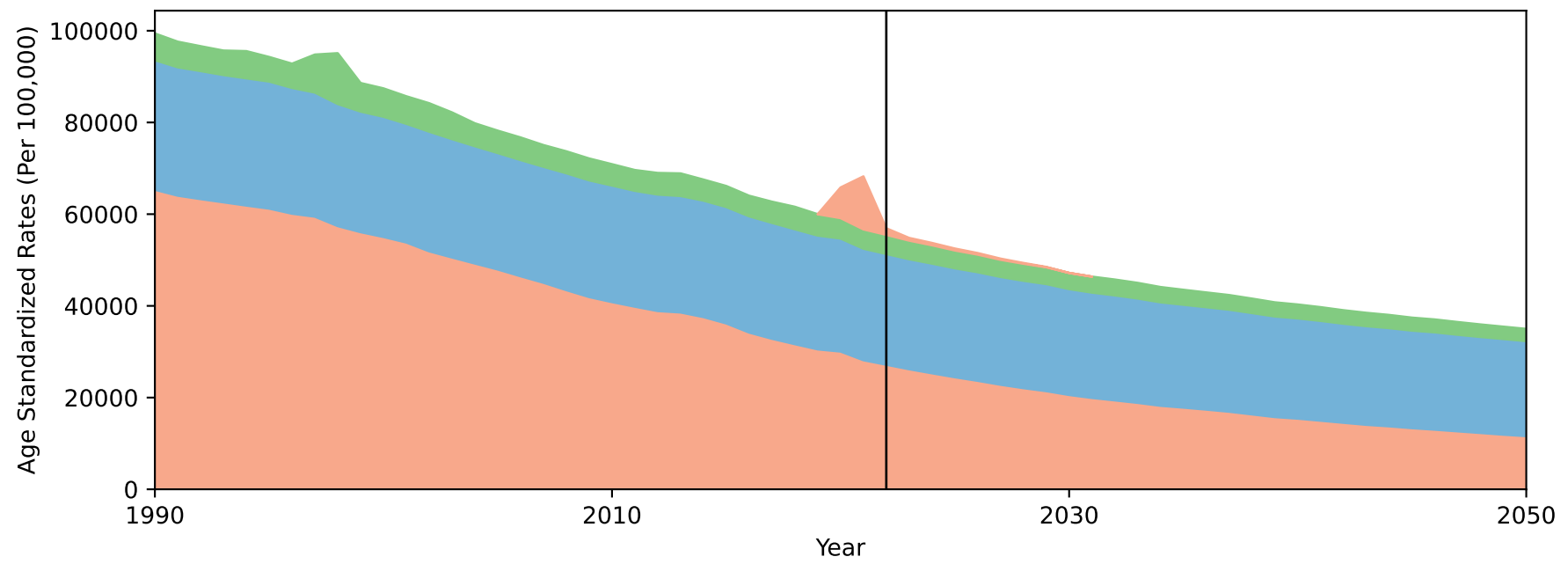


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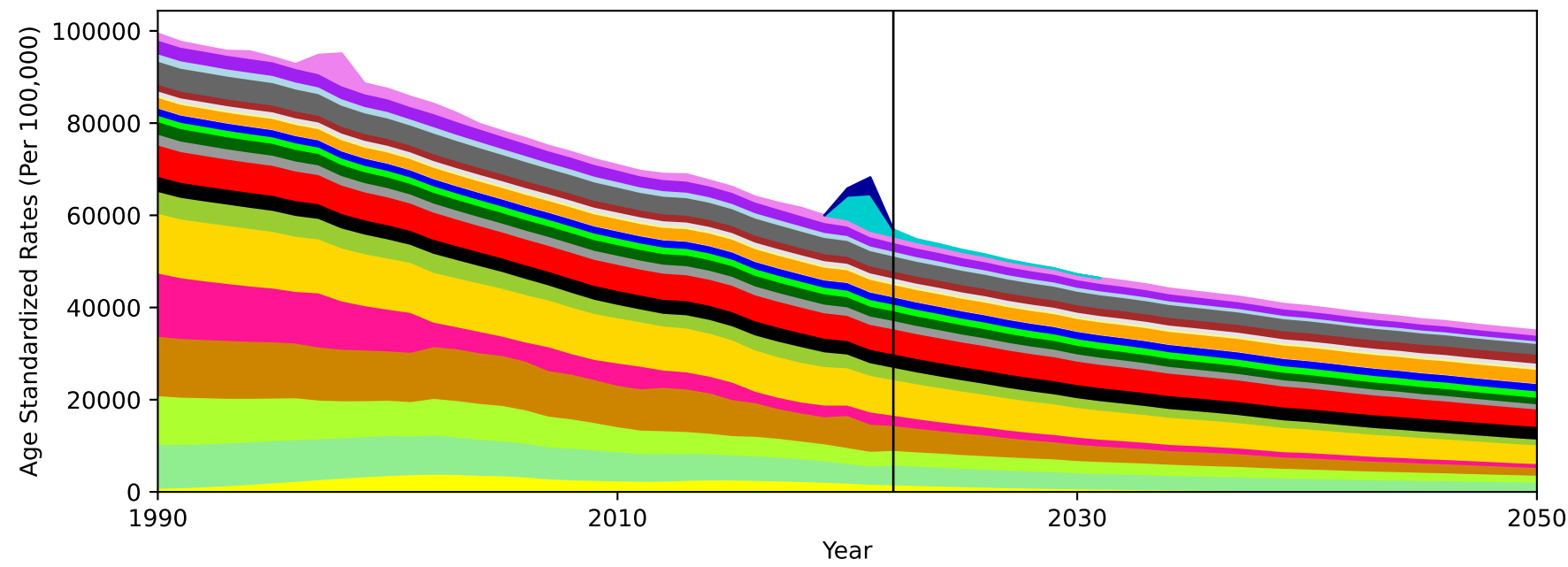


# Mali

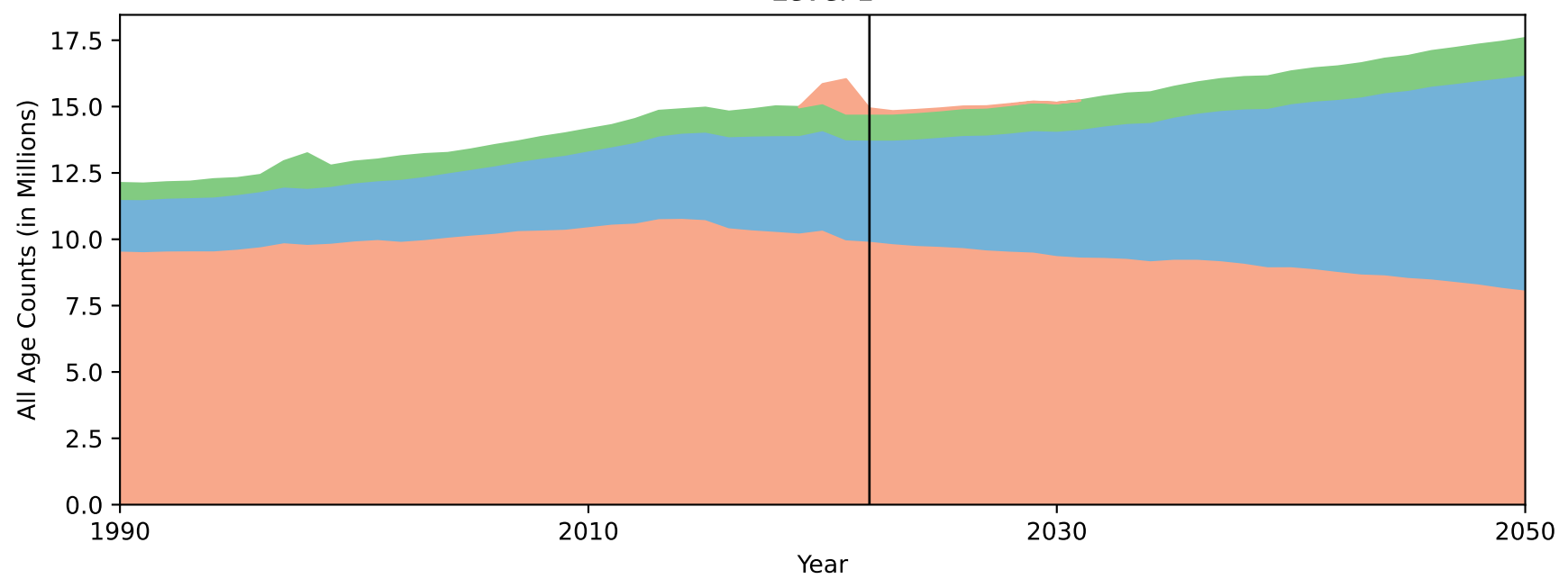
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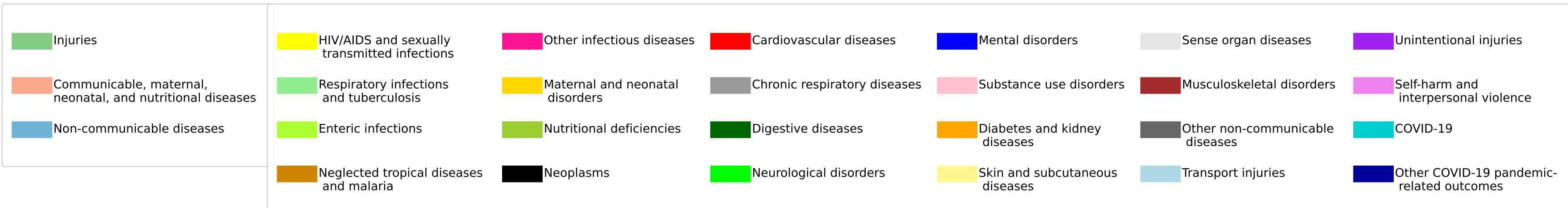
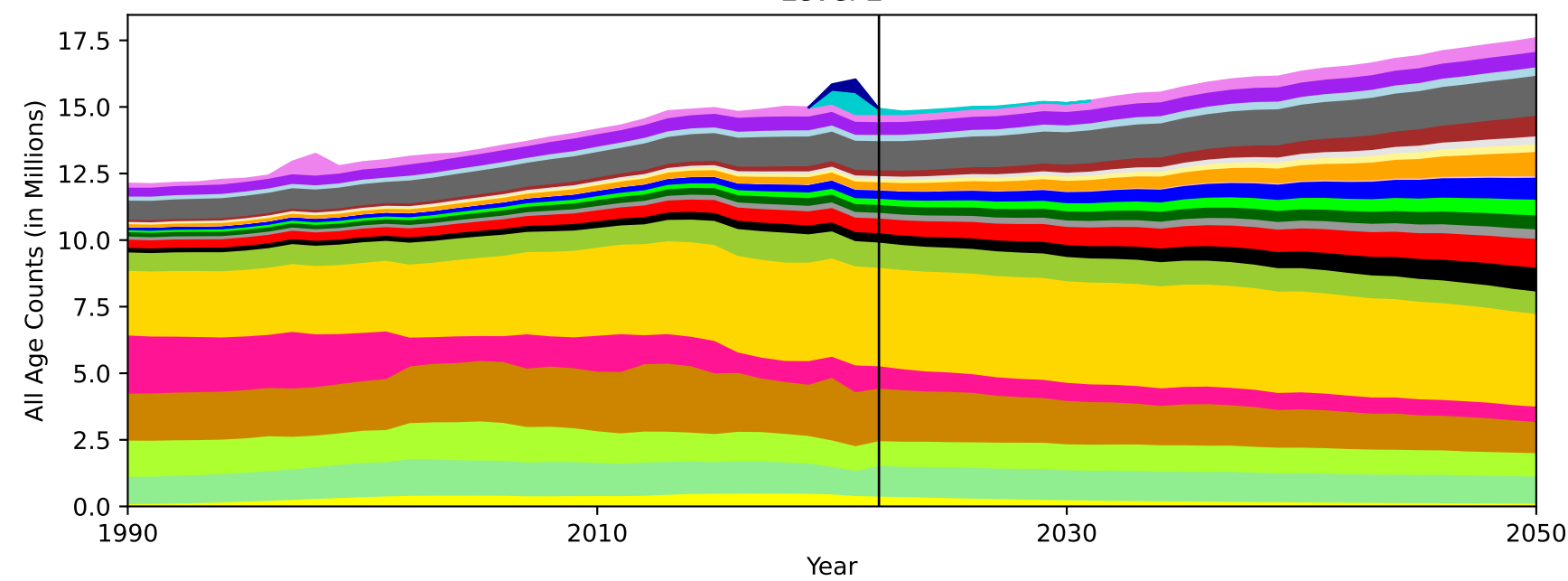
Level 2



Level 1

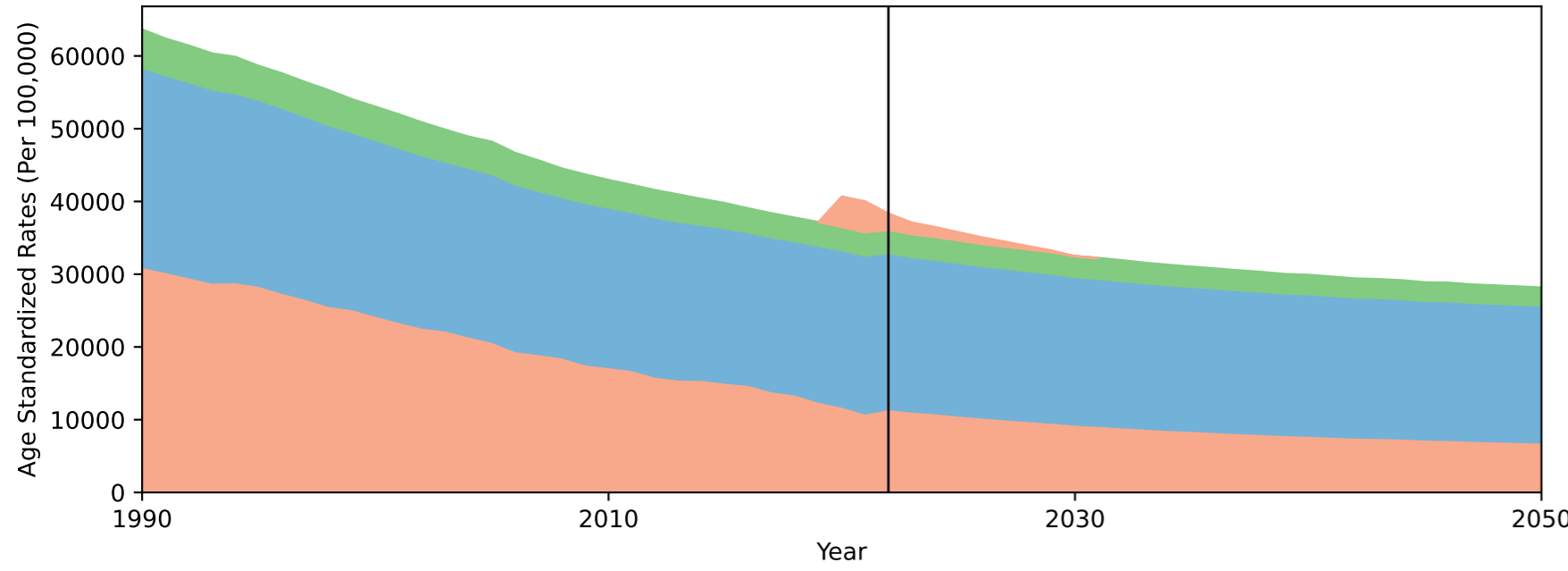


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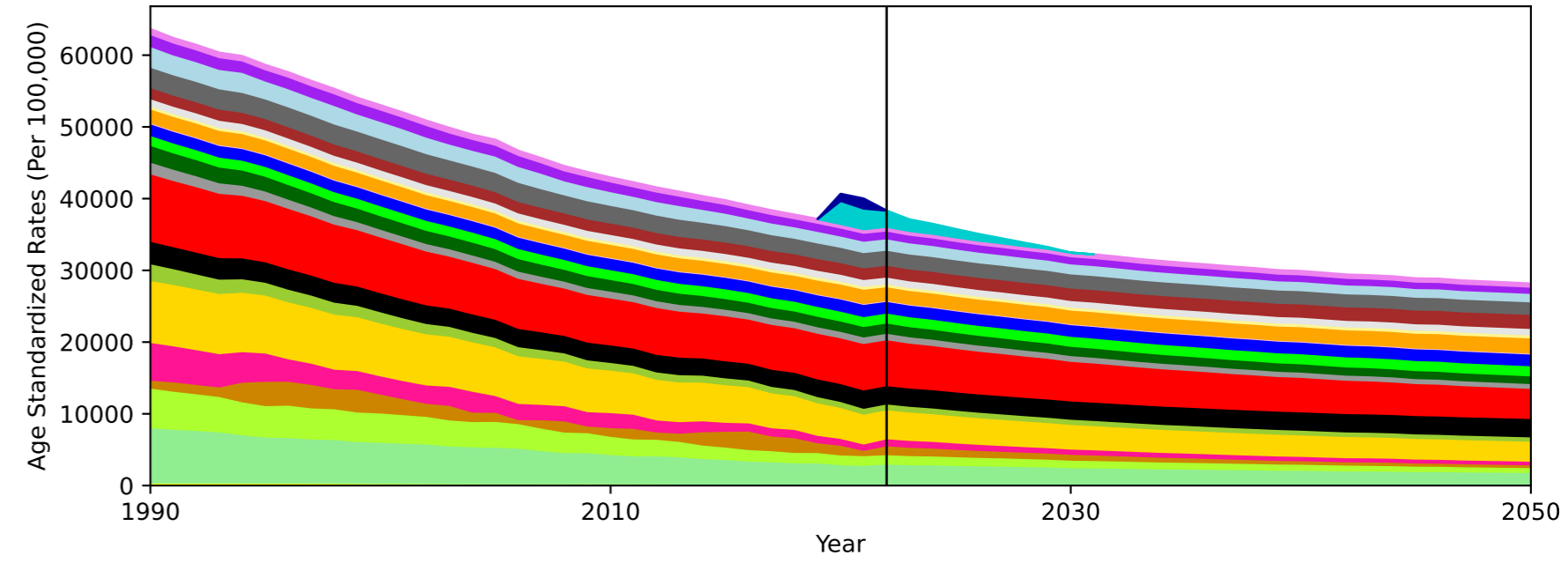


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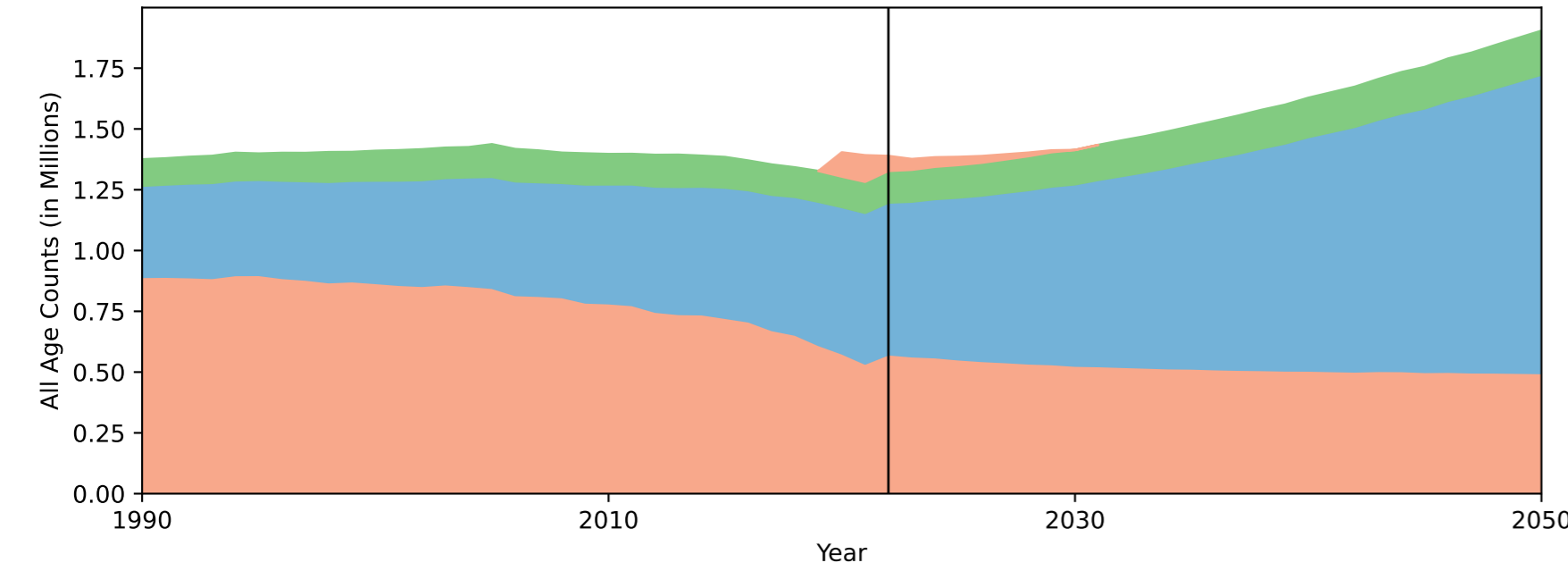
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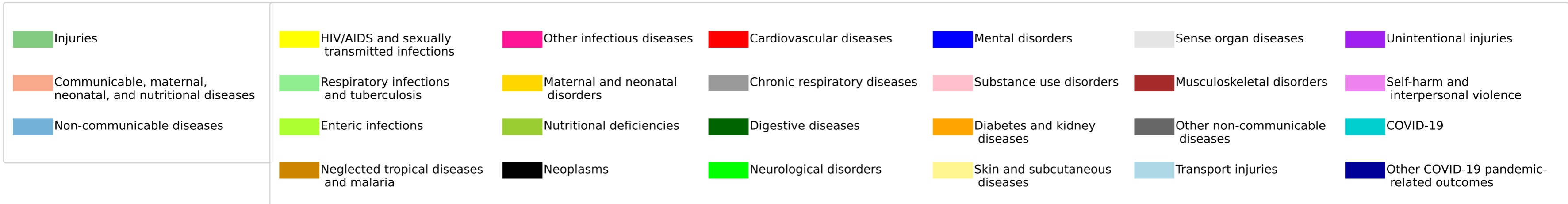
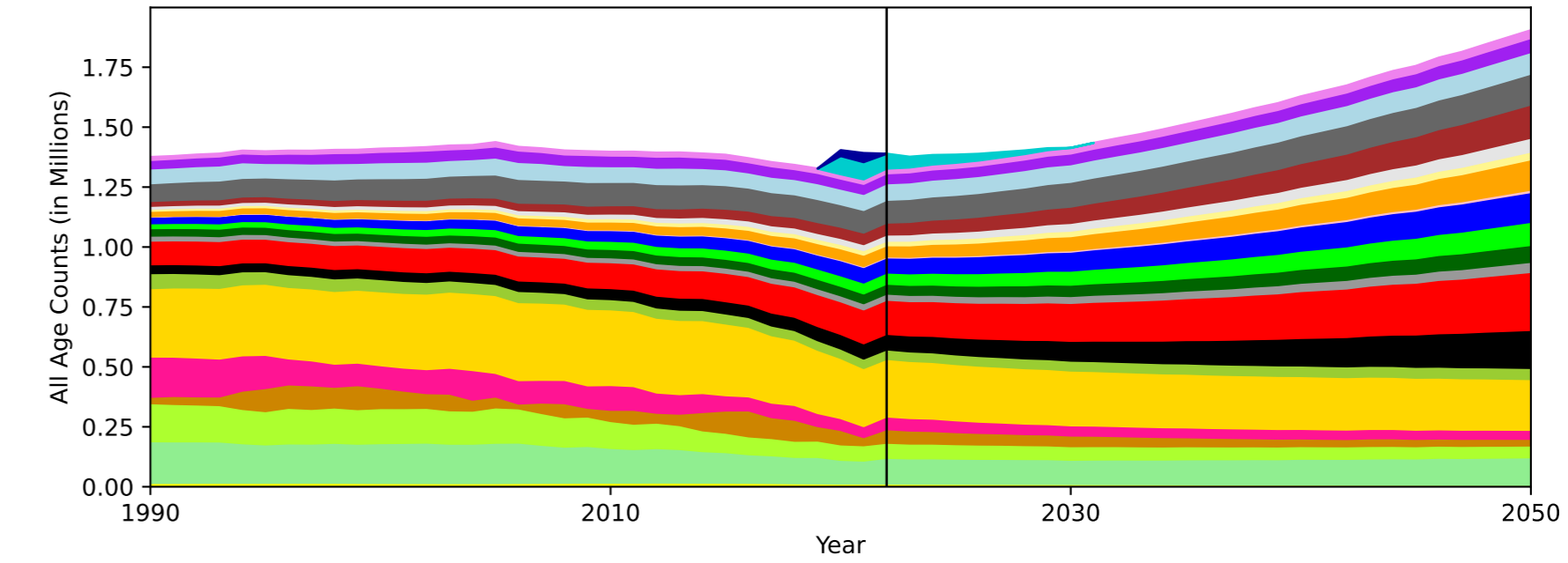
Level 2



Level 1

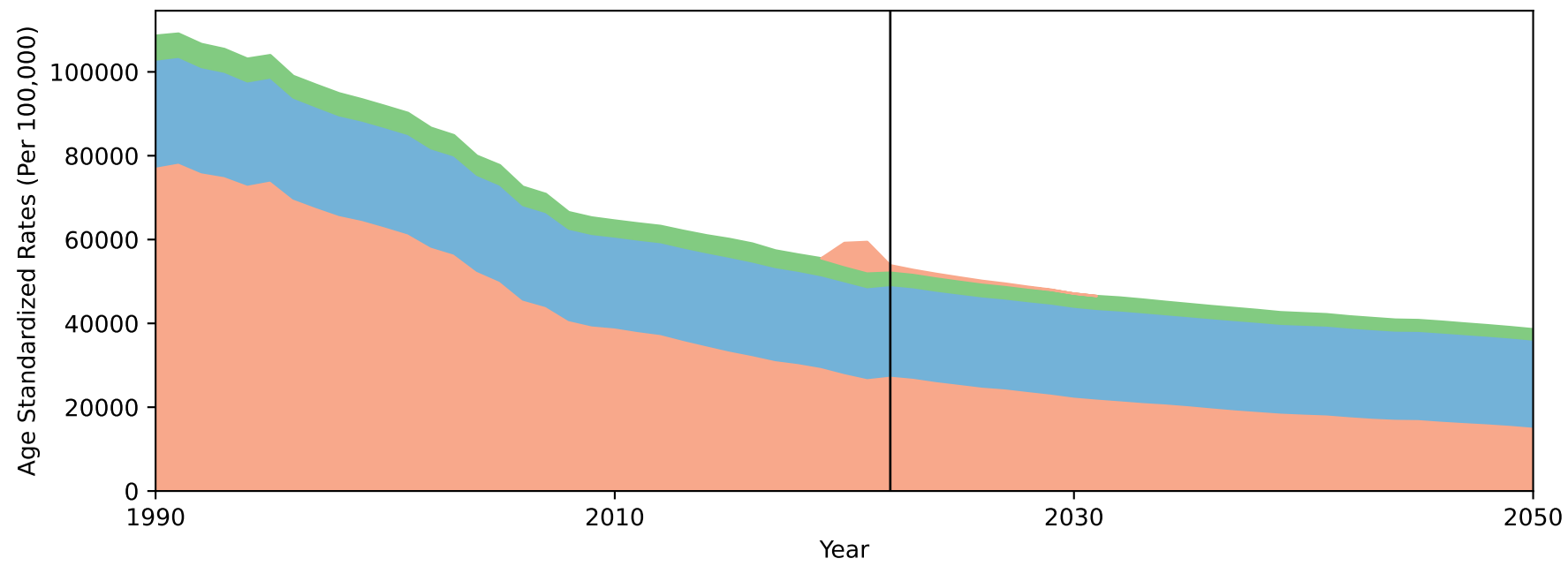


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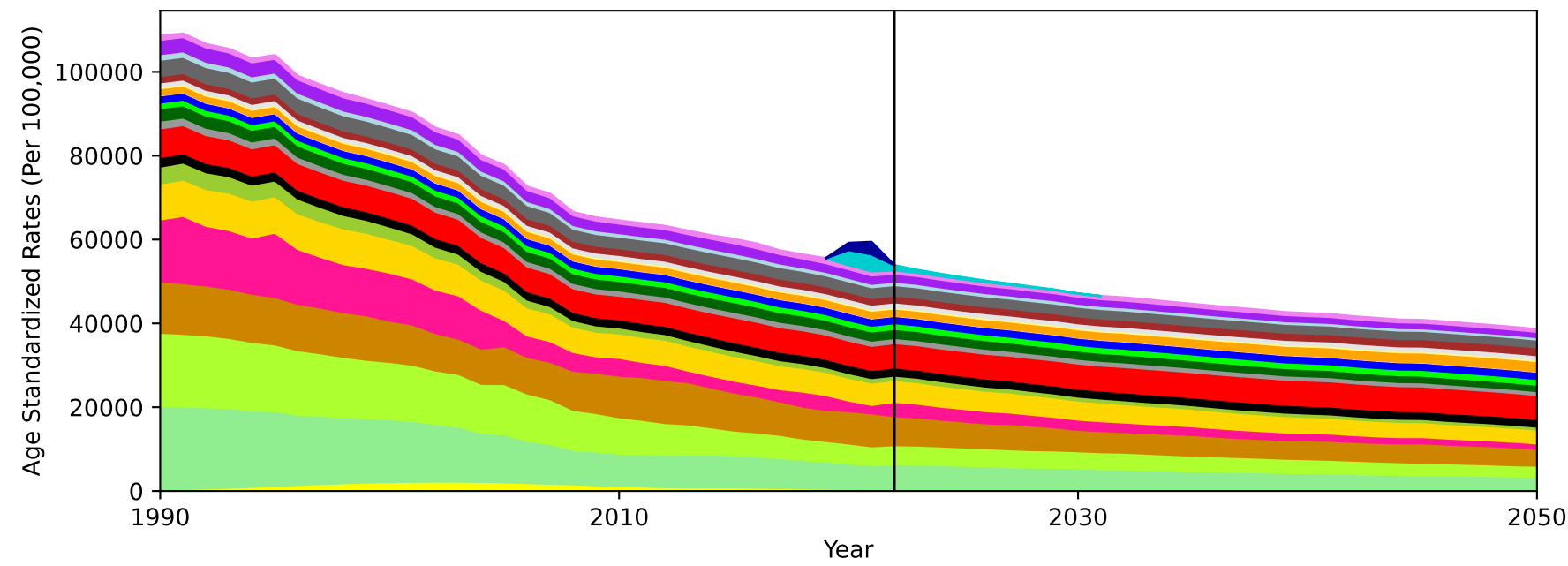


# Niger

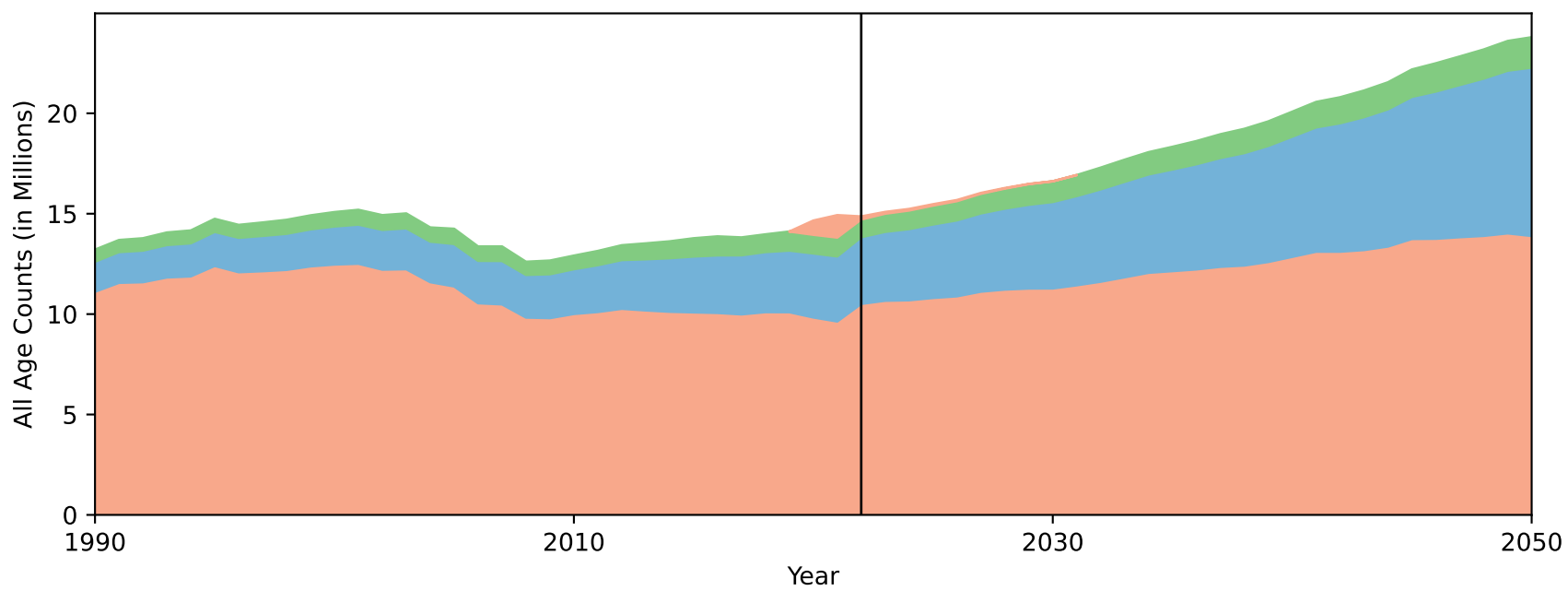
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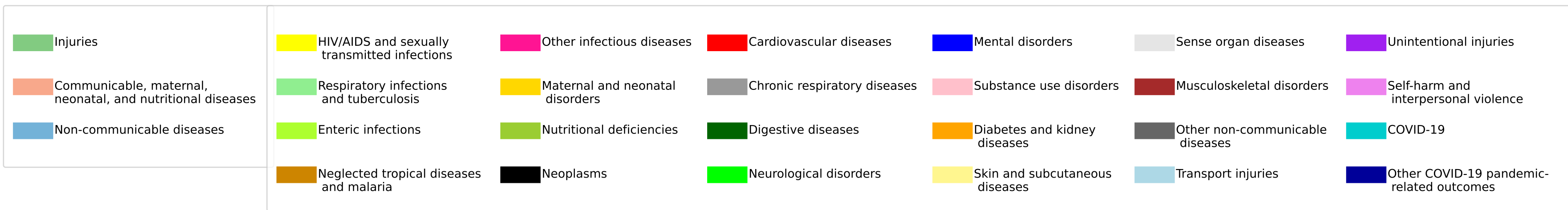
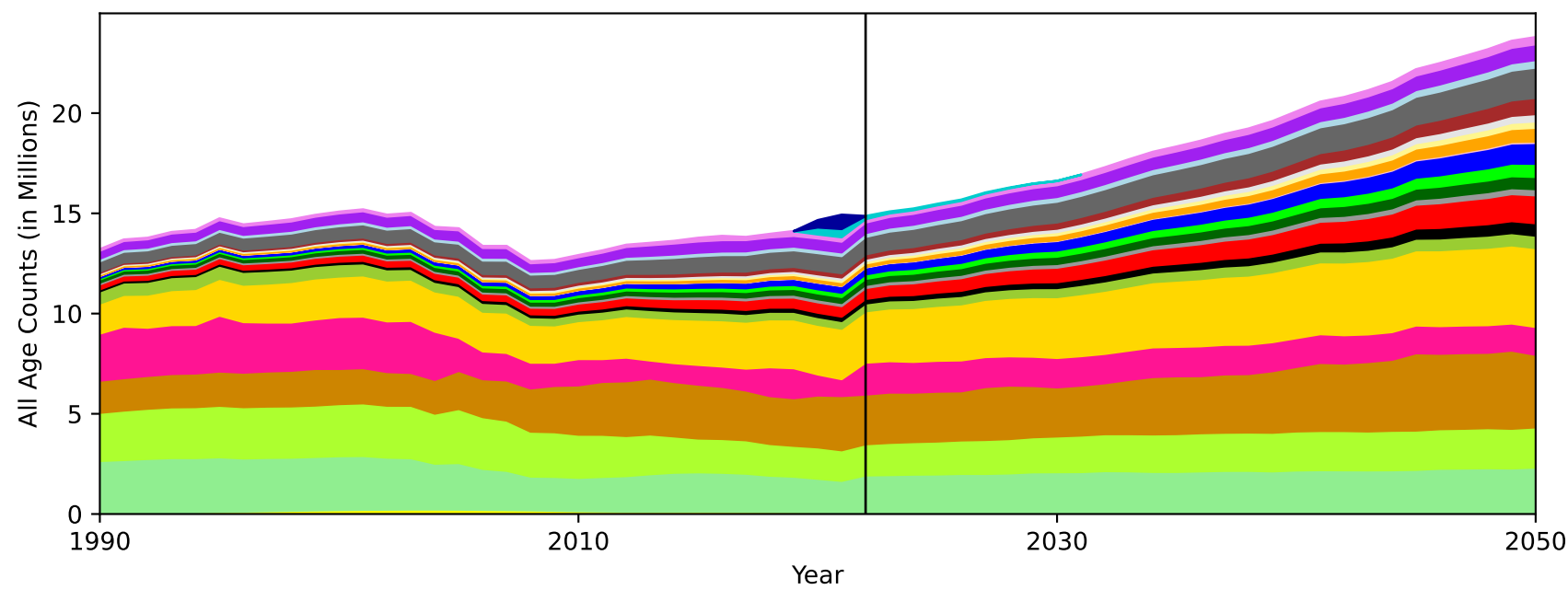
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Level 1

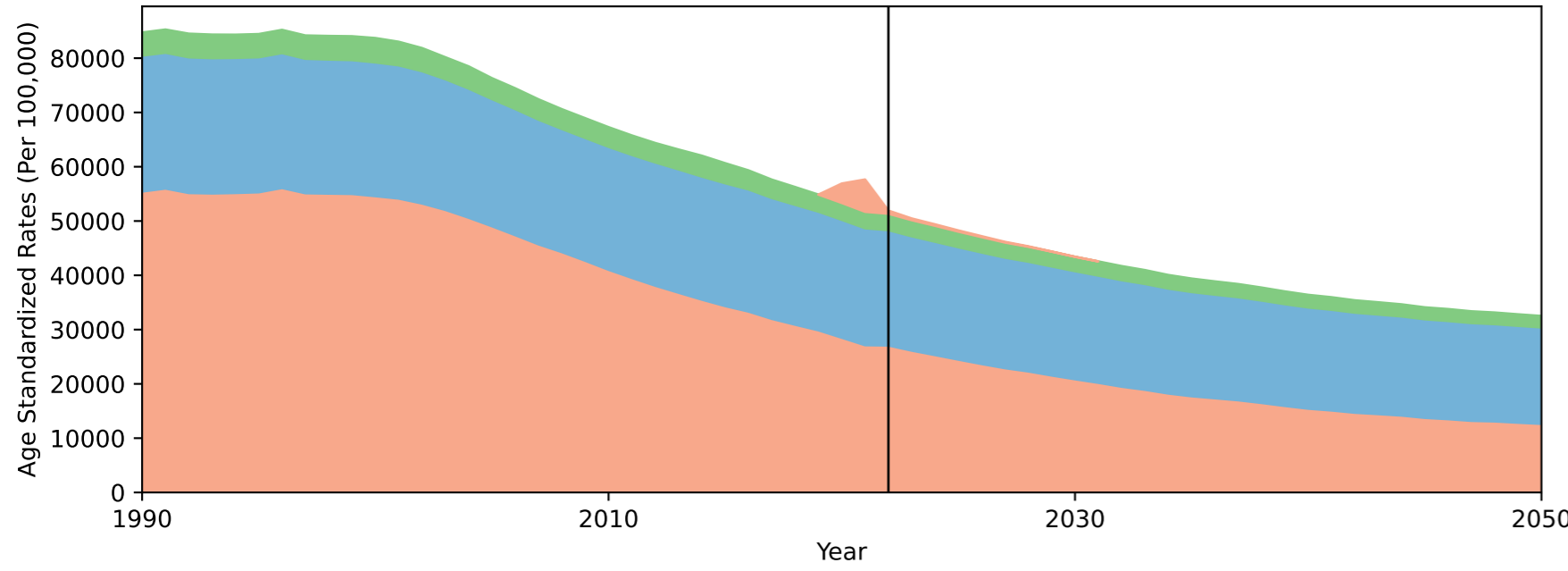


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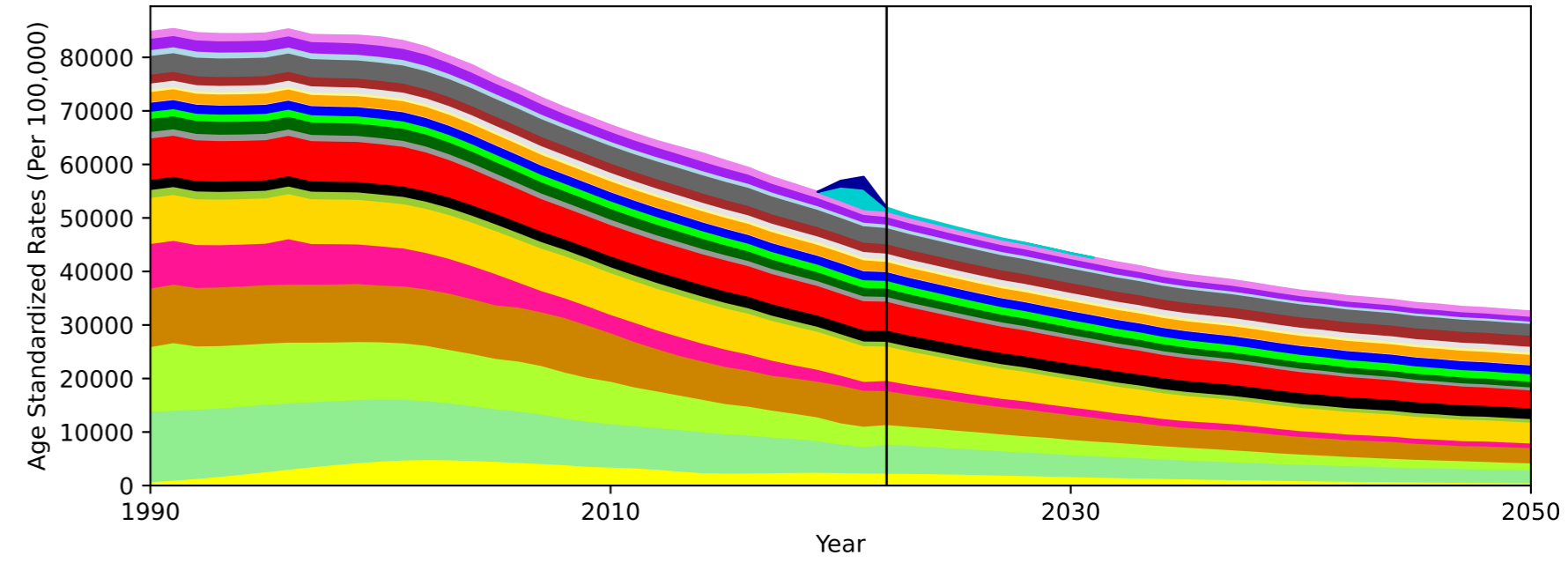


# Nigeria

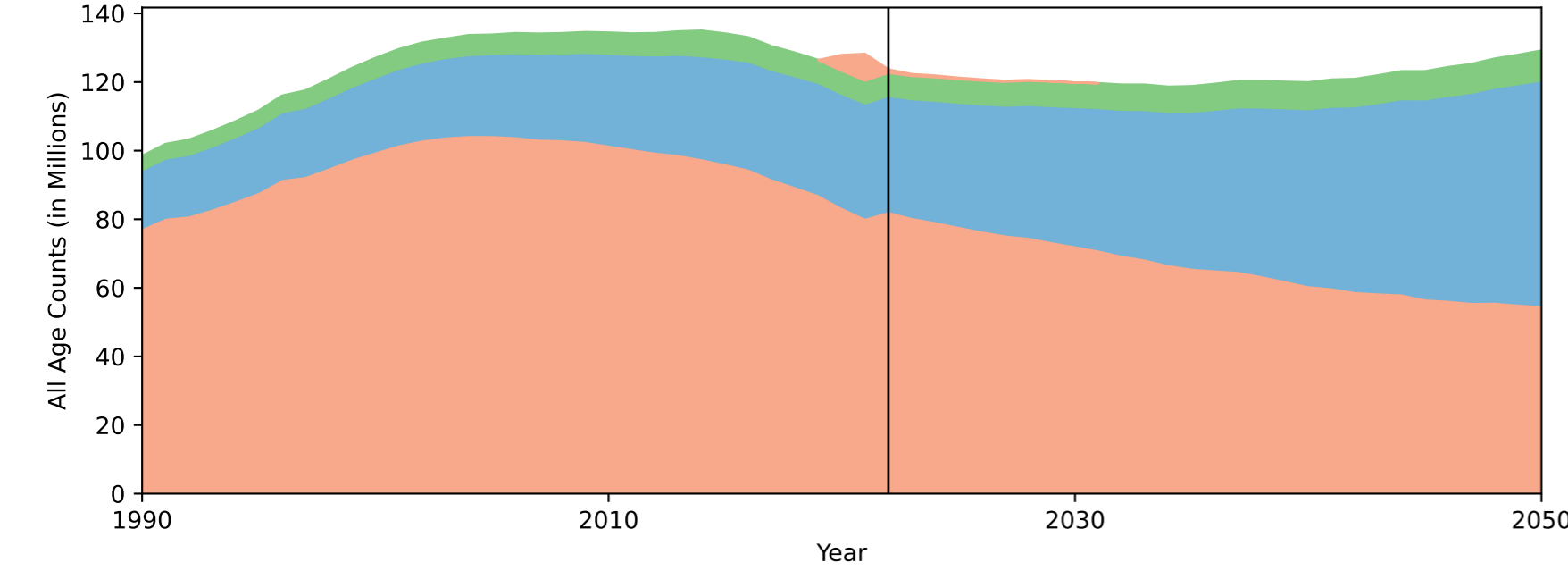
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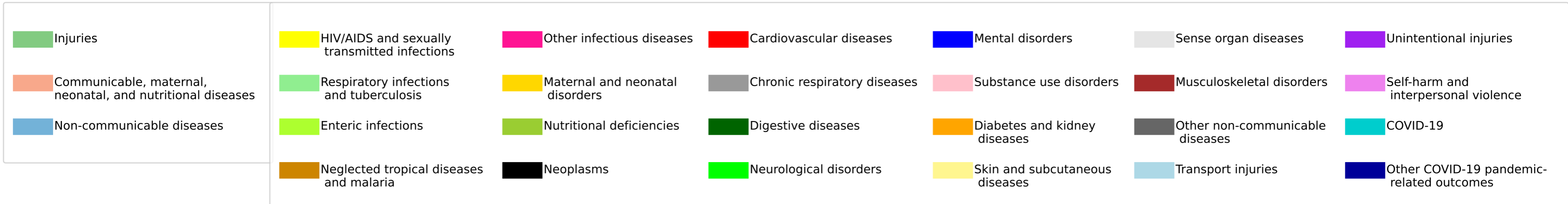
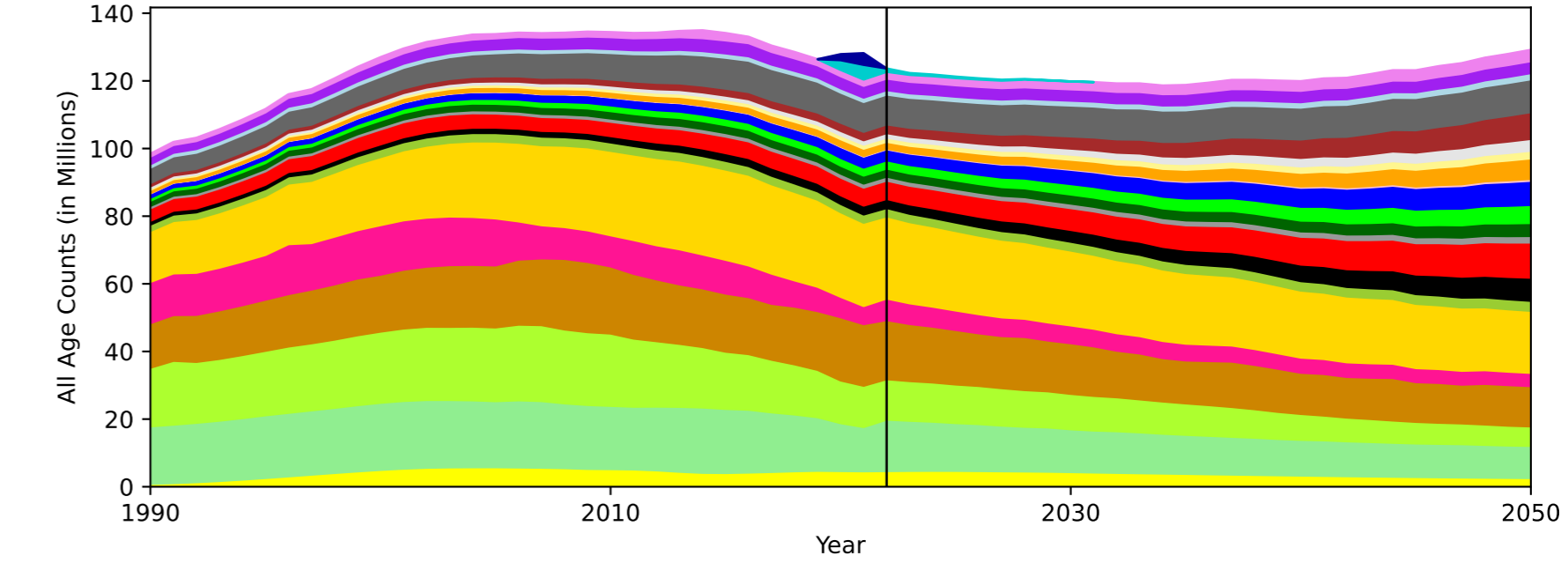
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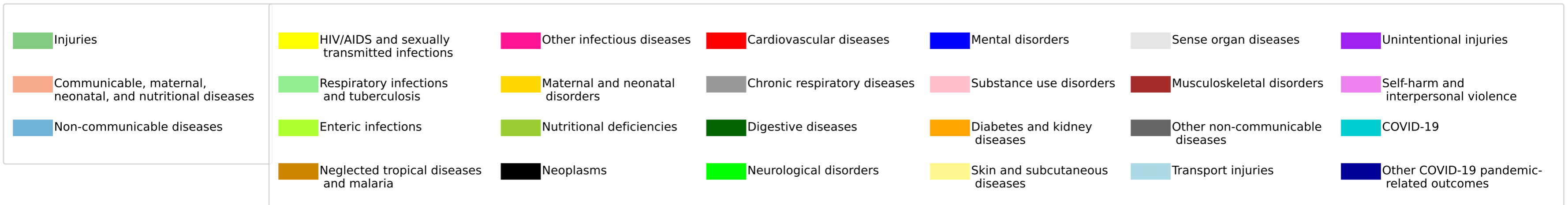
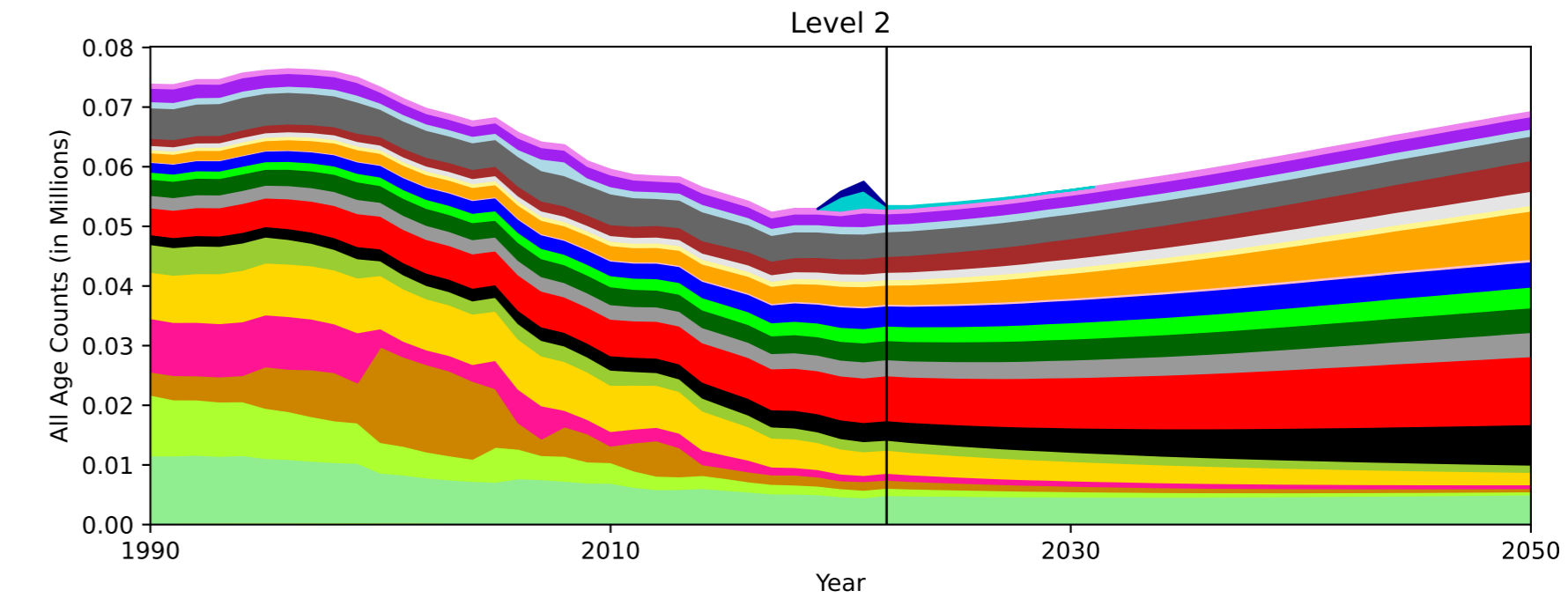
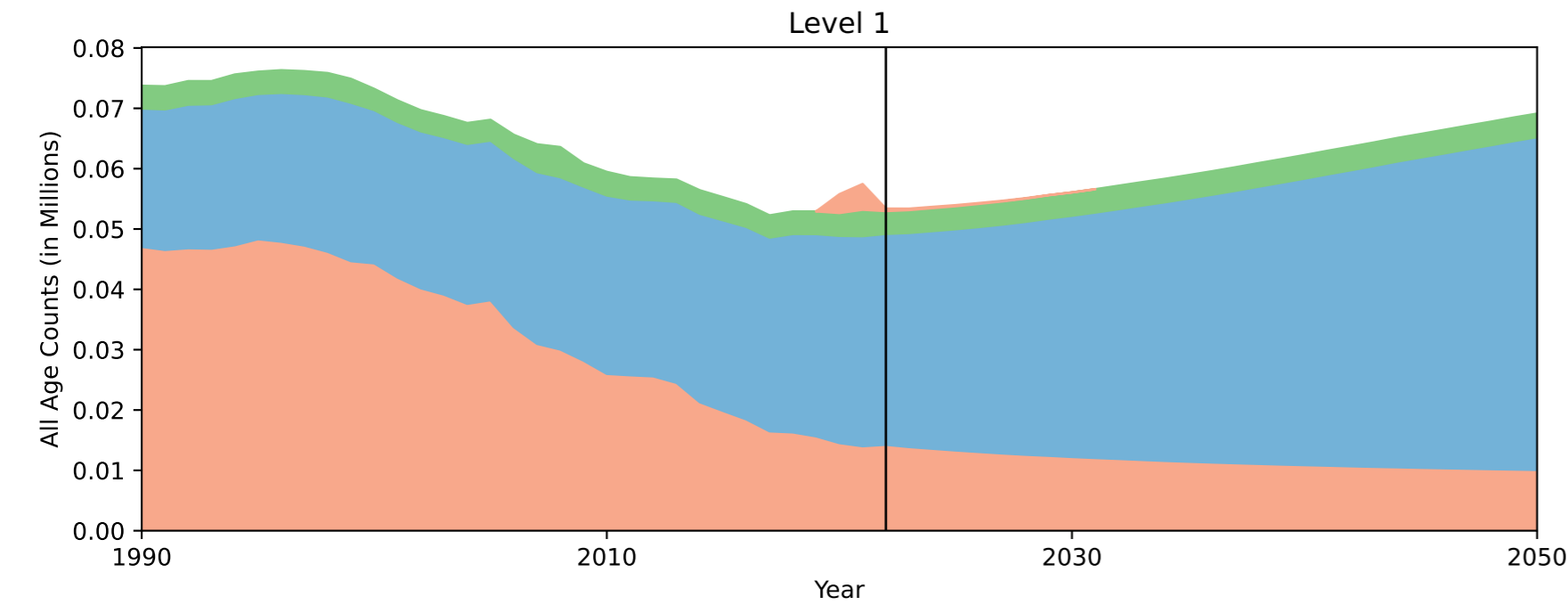
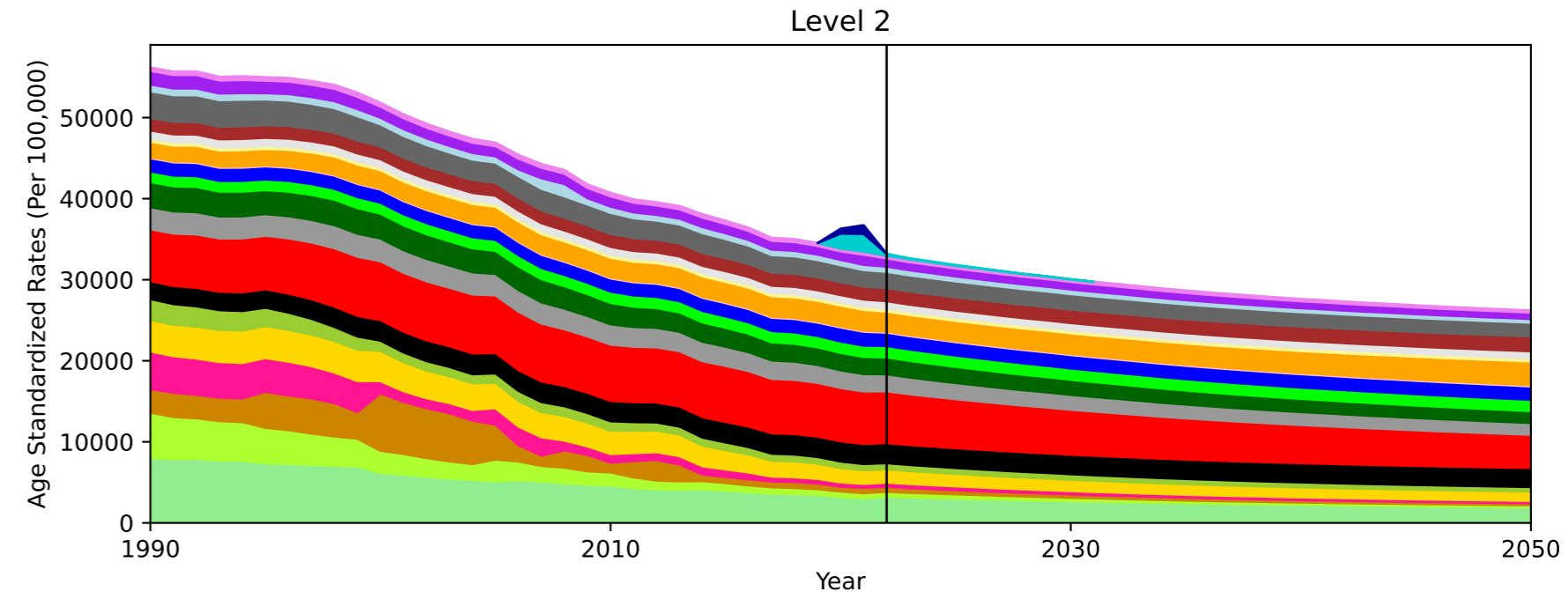
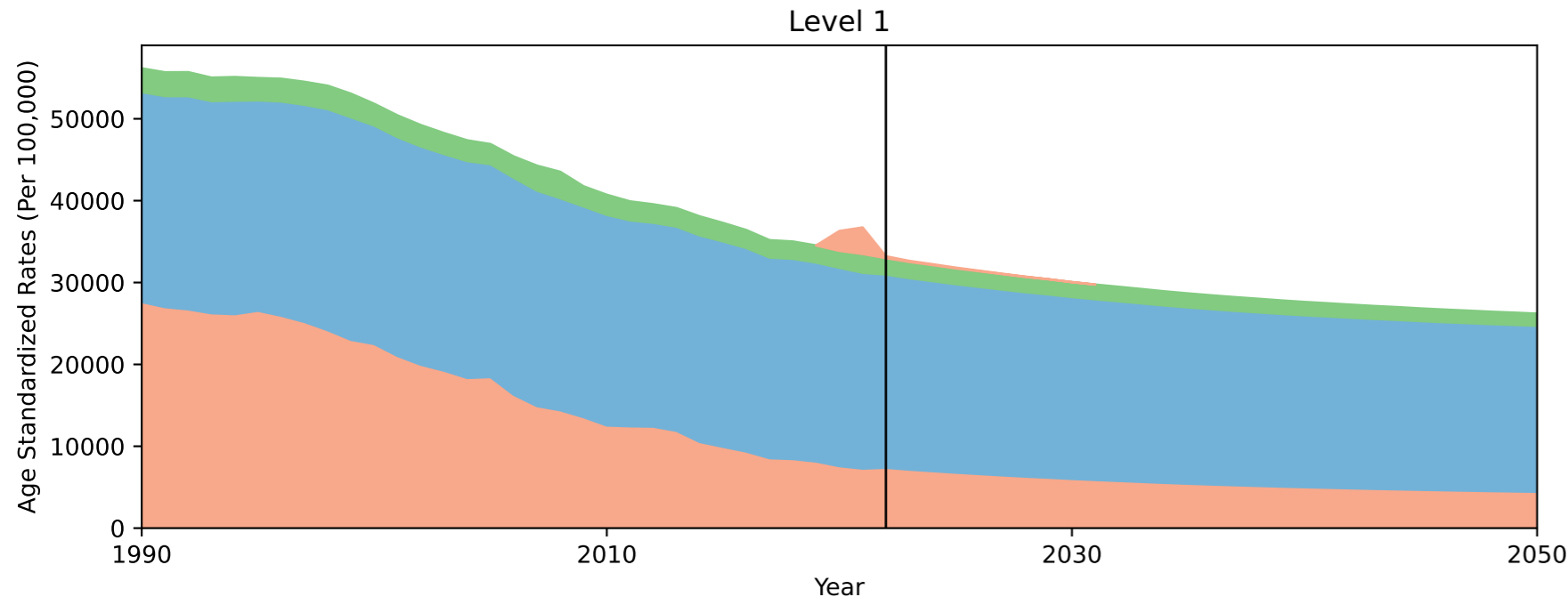
Level 1



Level 2

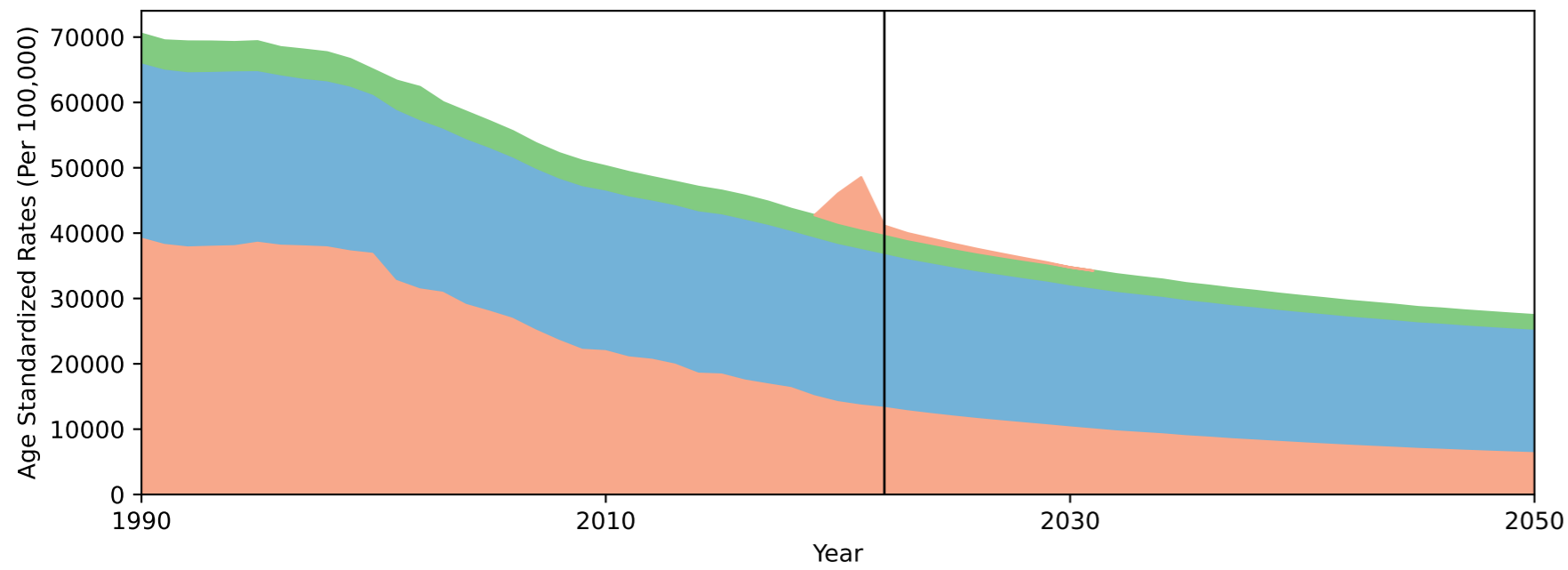


# São Tomé And Príncipe

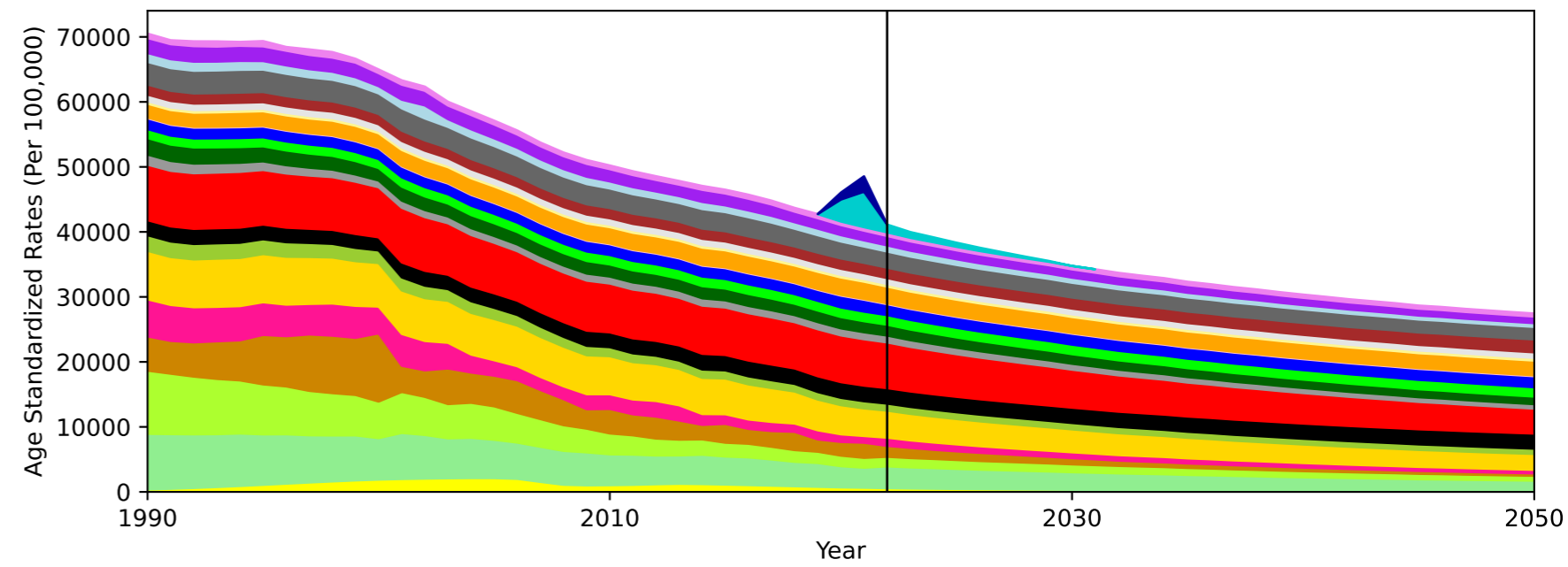


# Senegal

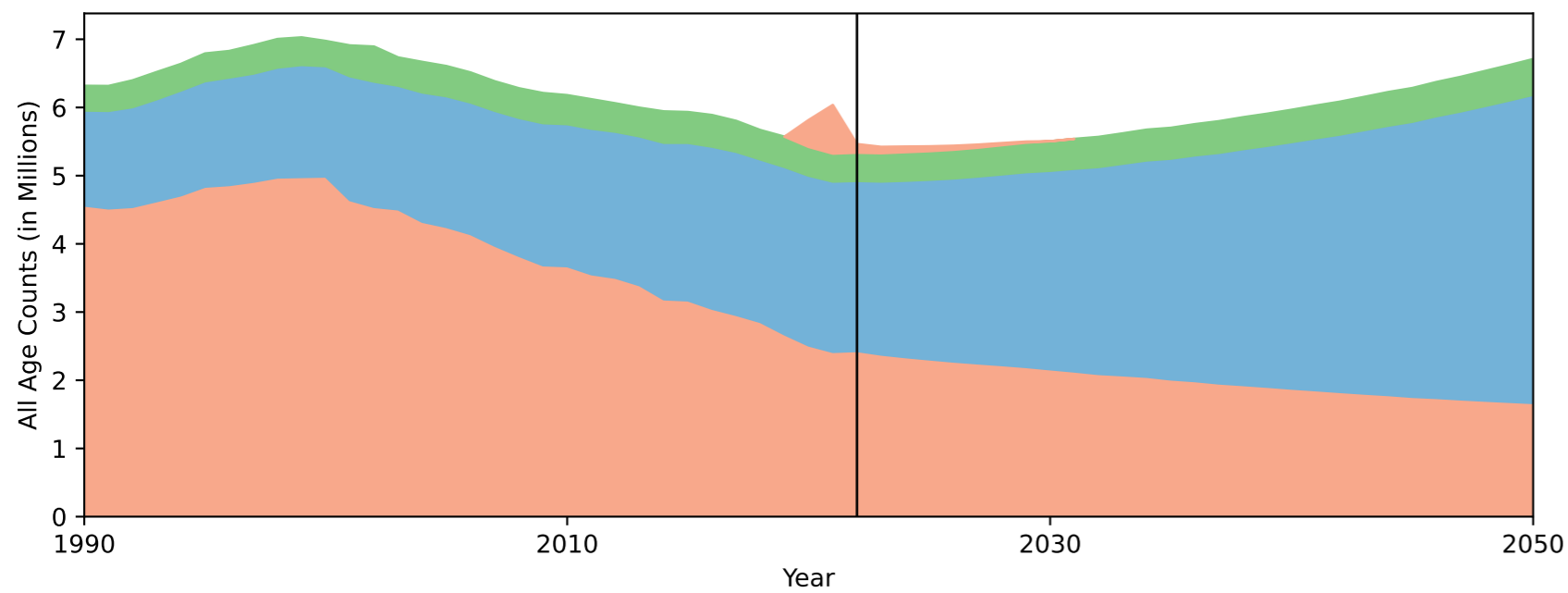
Level 1



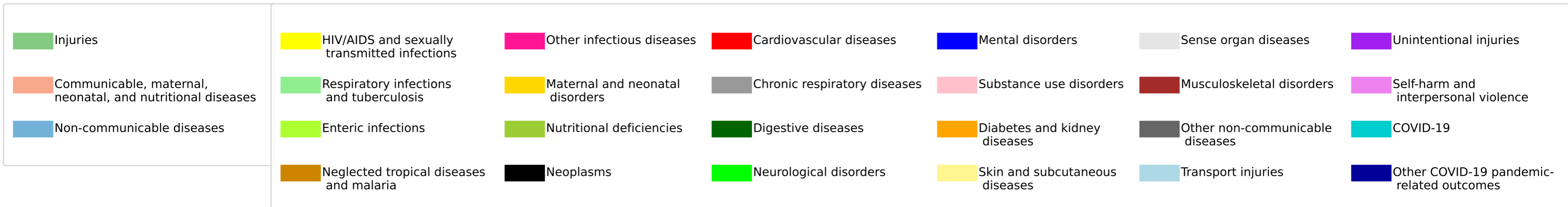
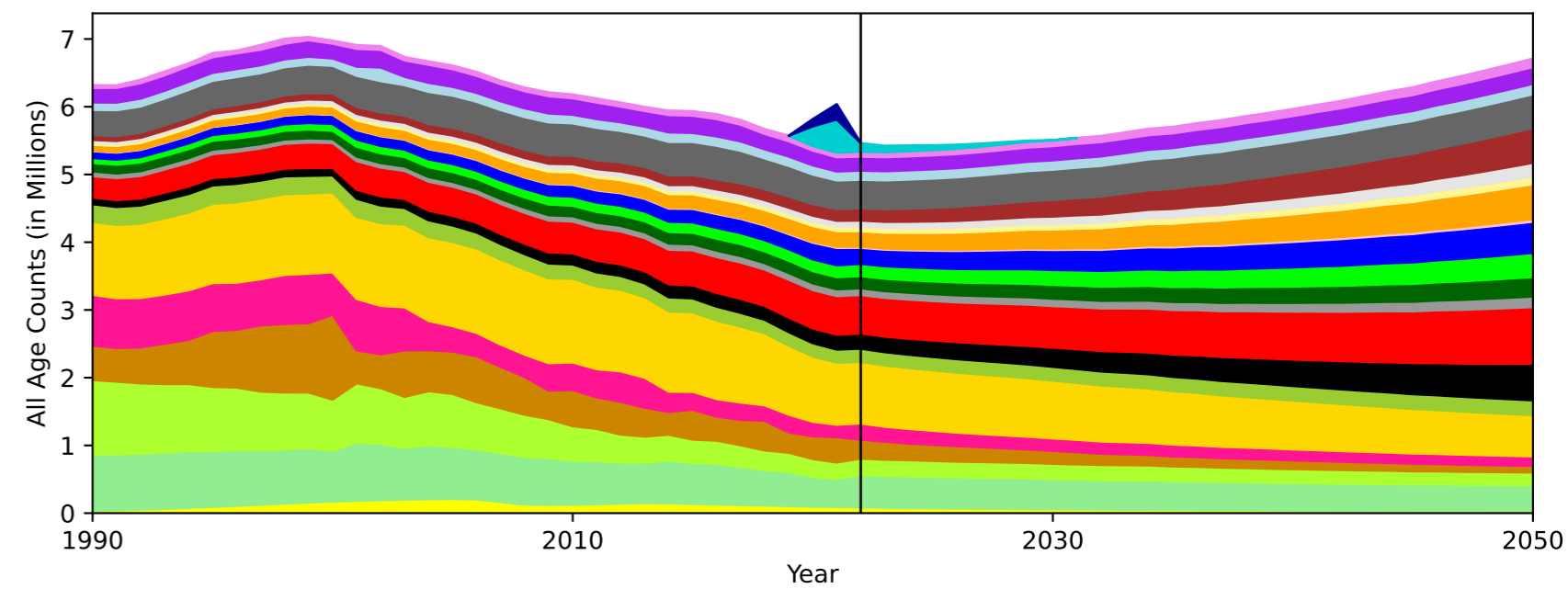
Level 2



Level 1



Level 2

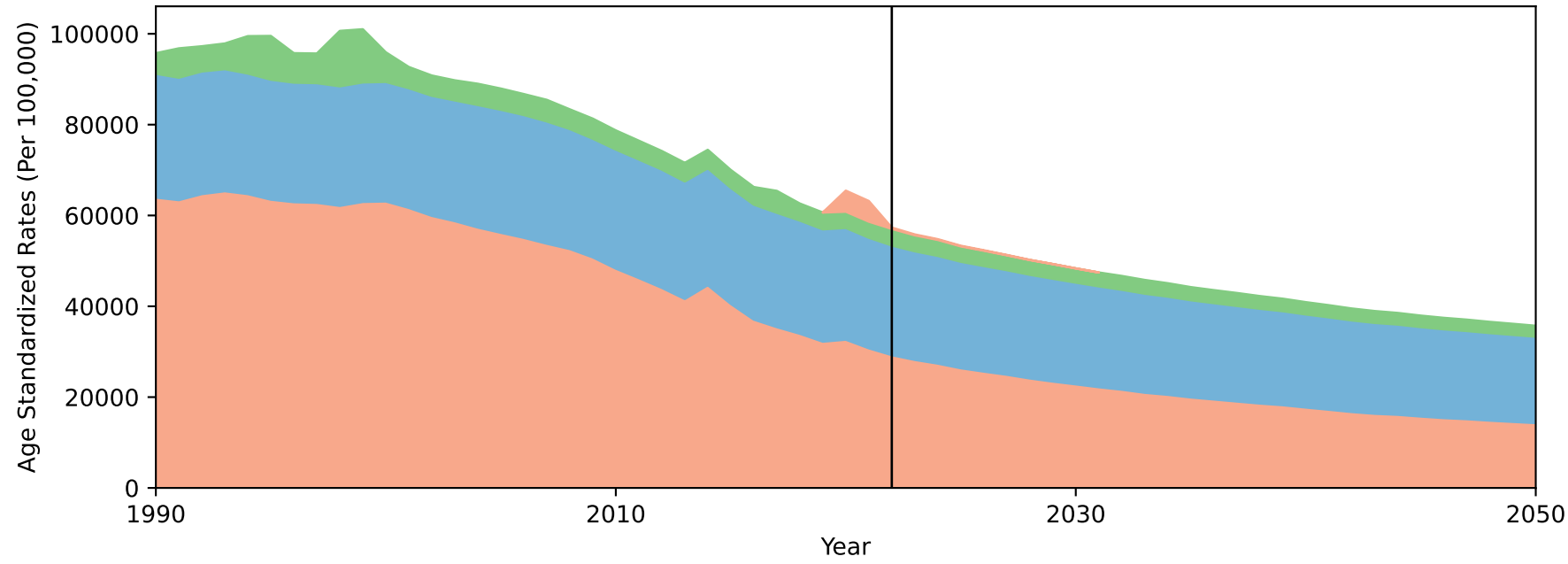


# Sierra Leone

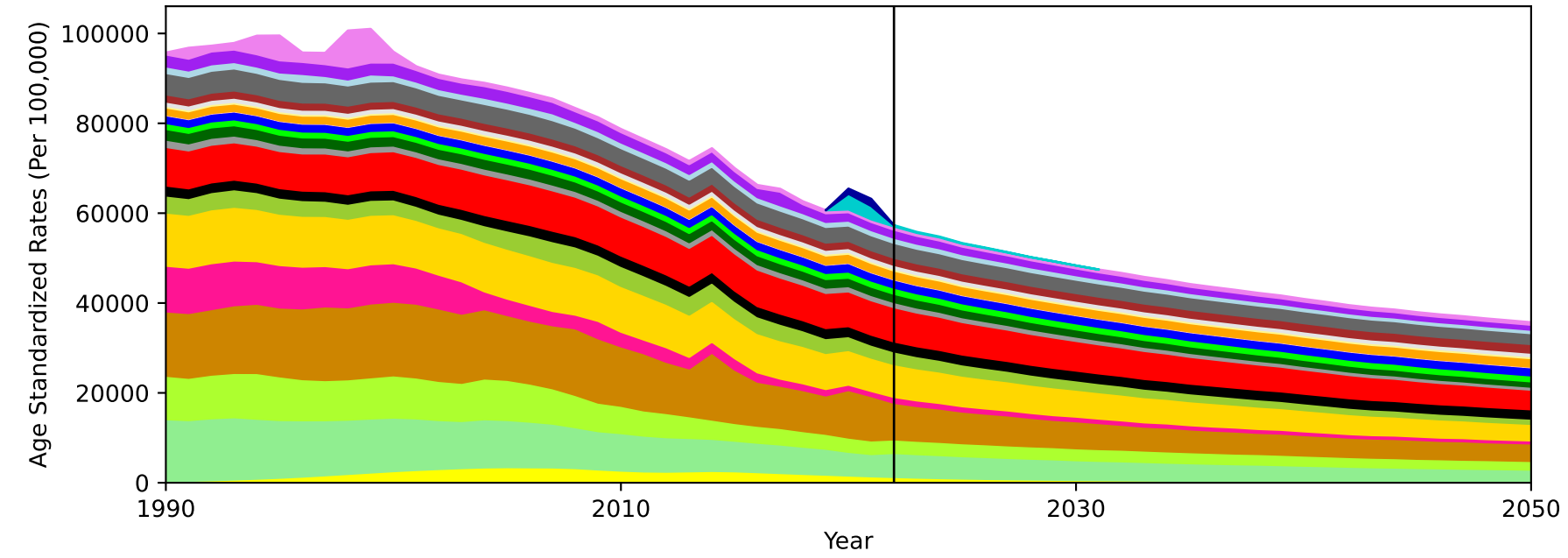
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

447

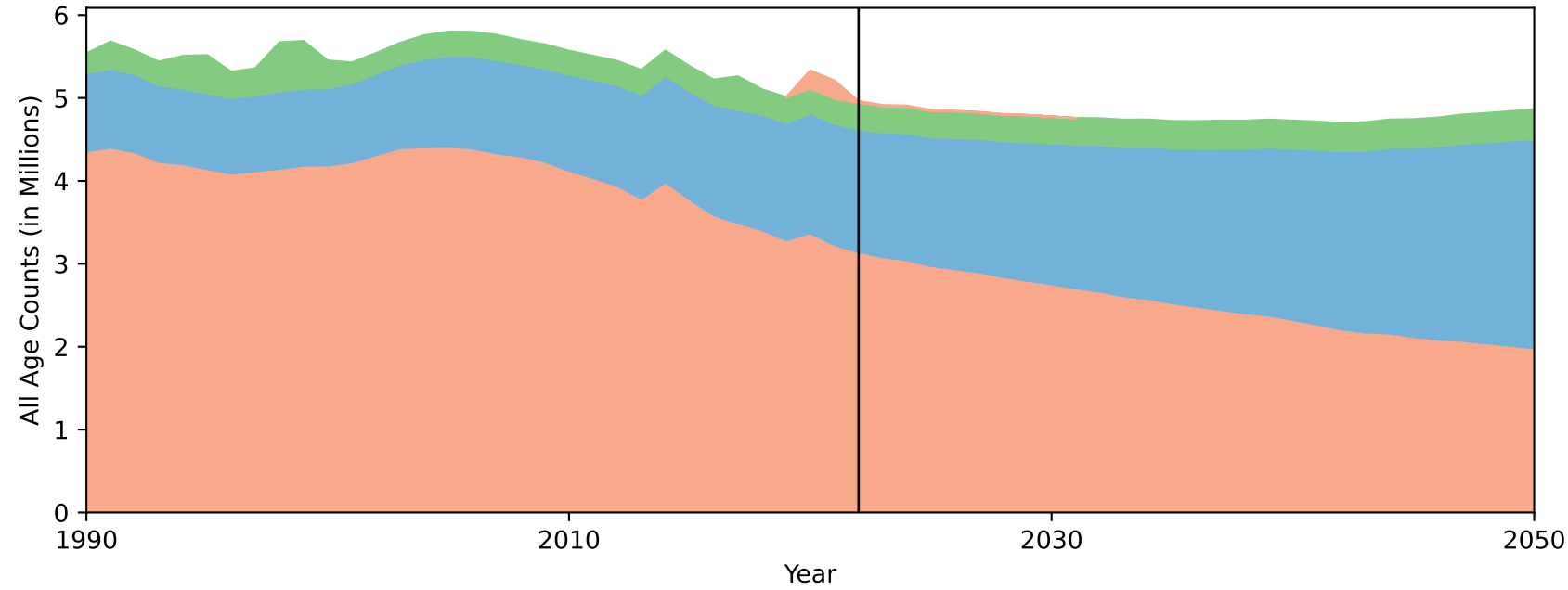
Level 1



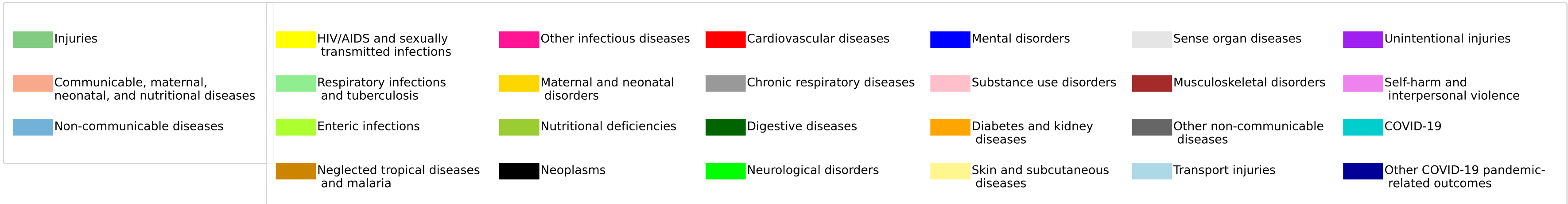
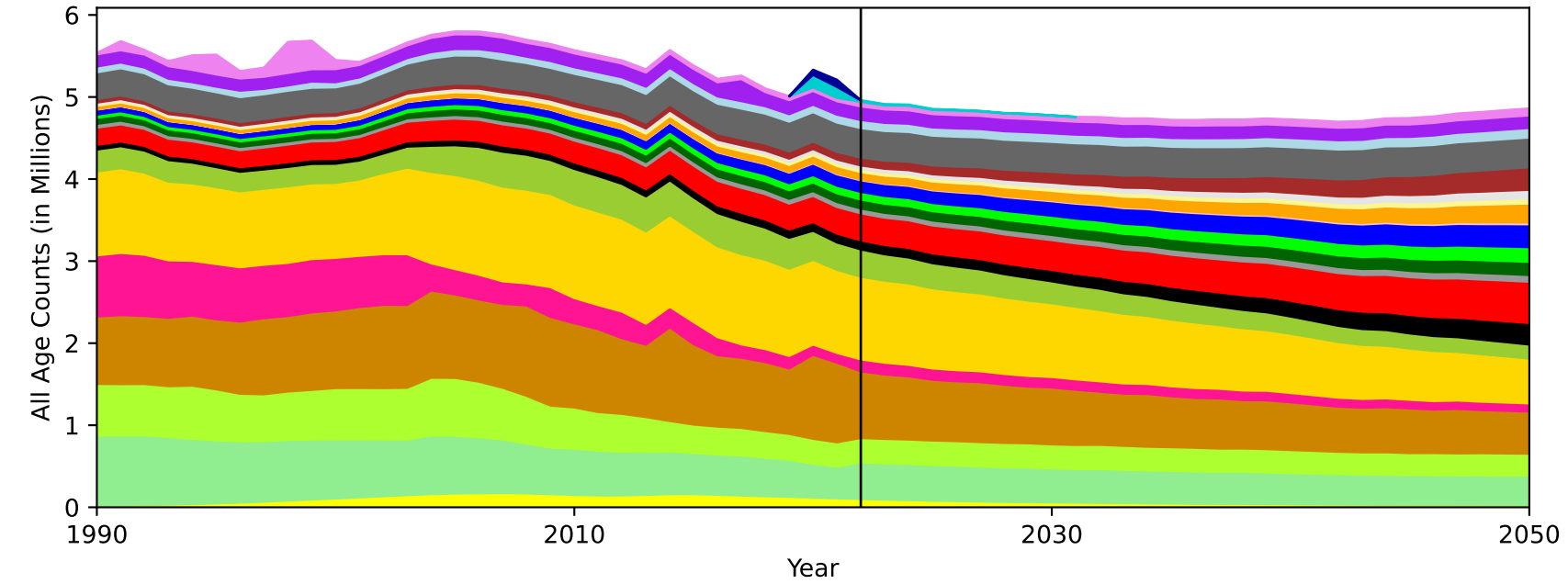
Level 2



Level 1

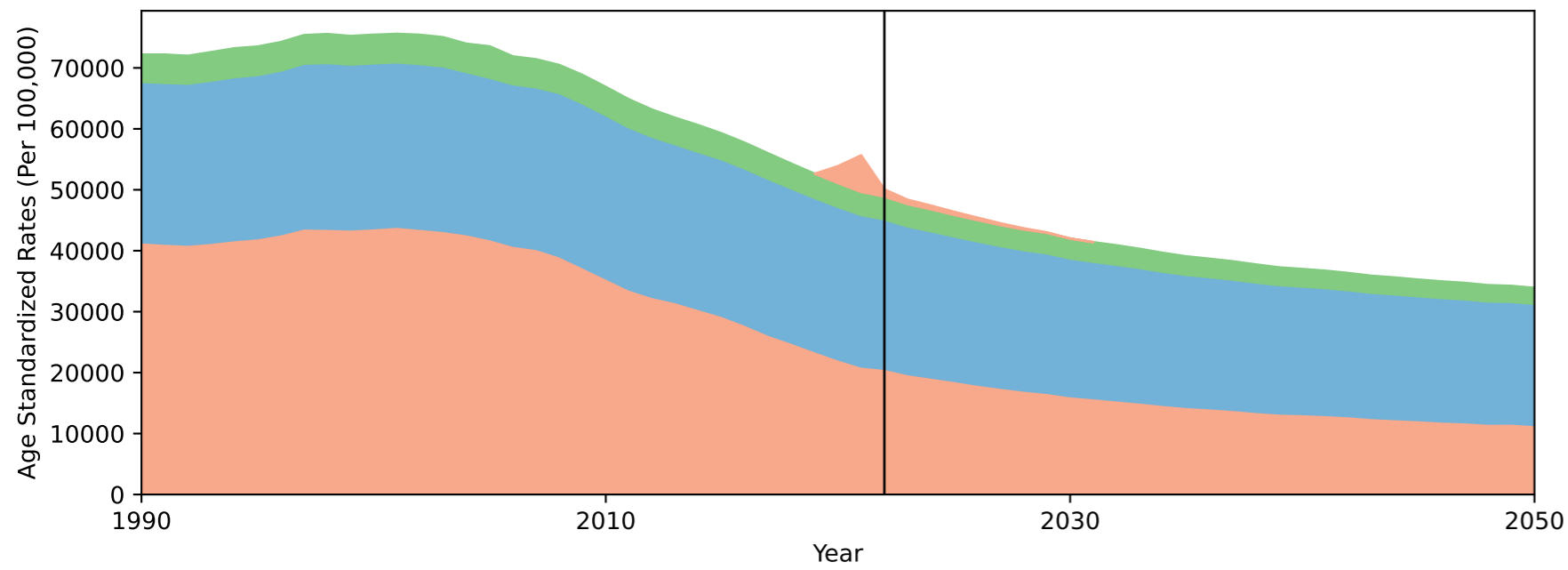


Level 2

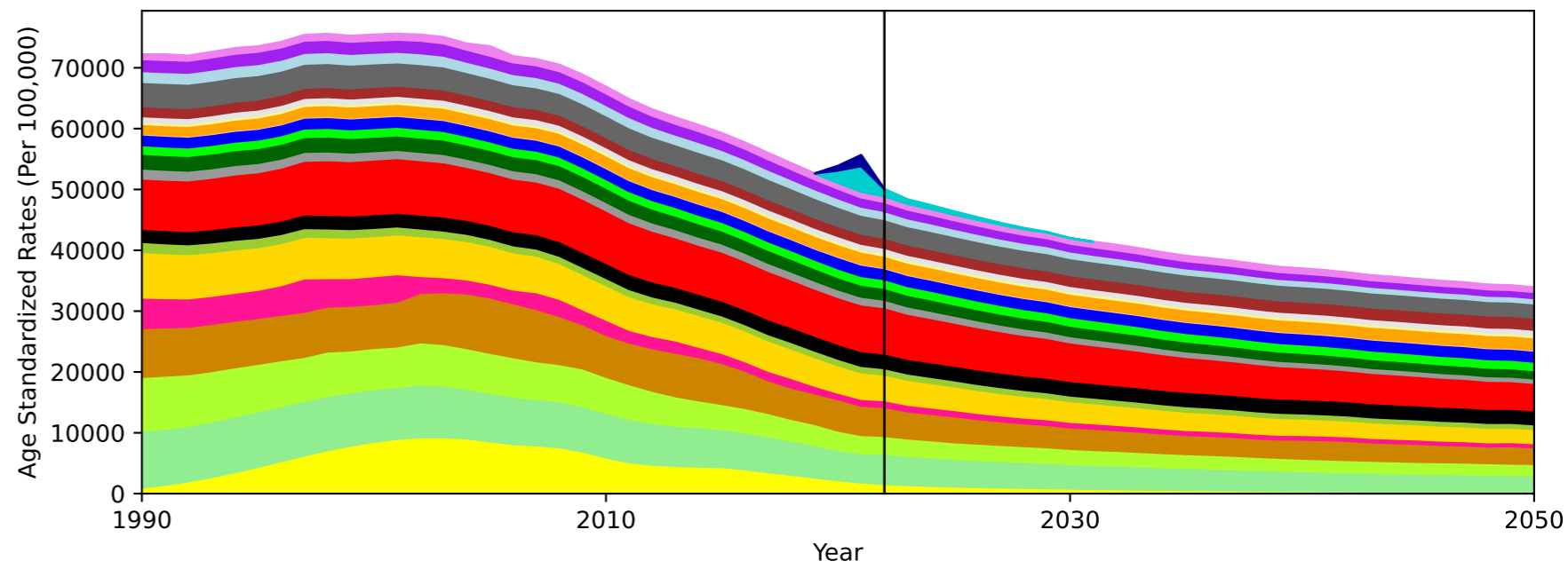




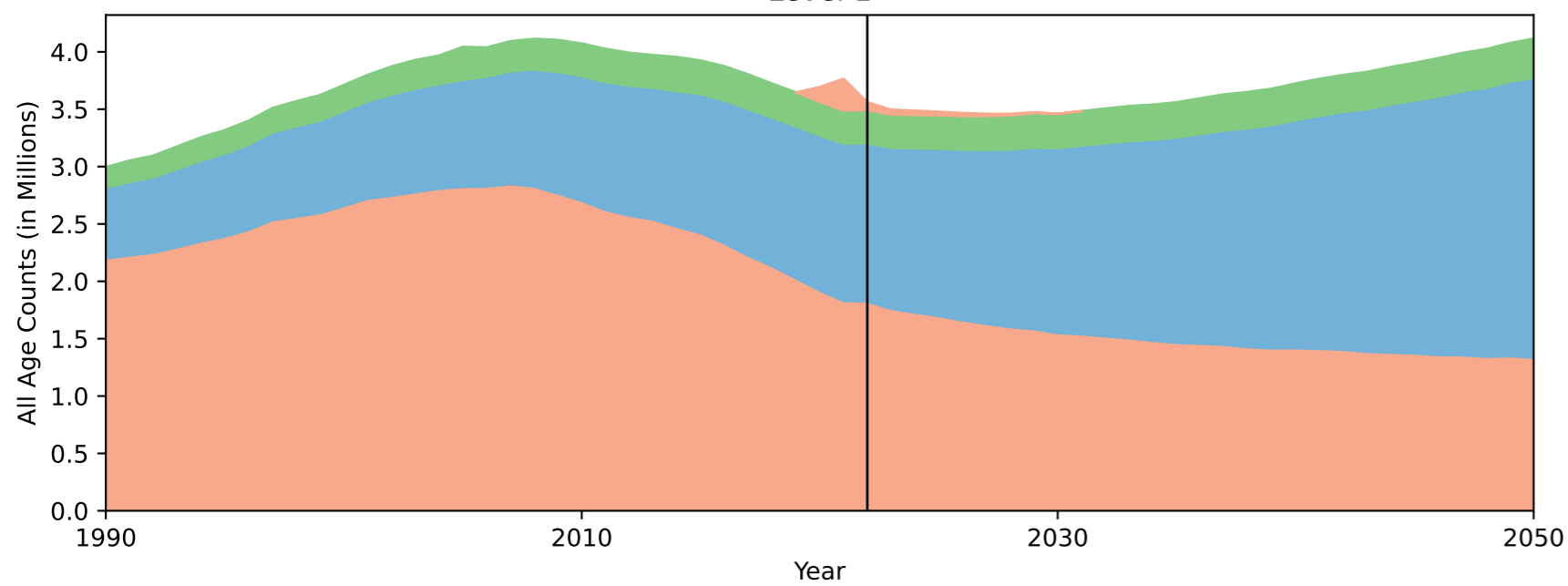
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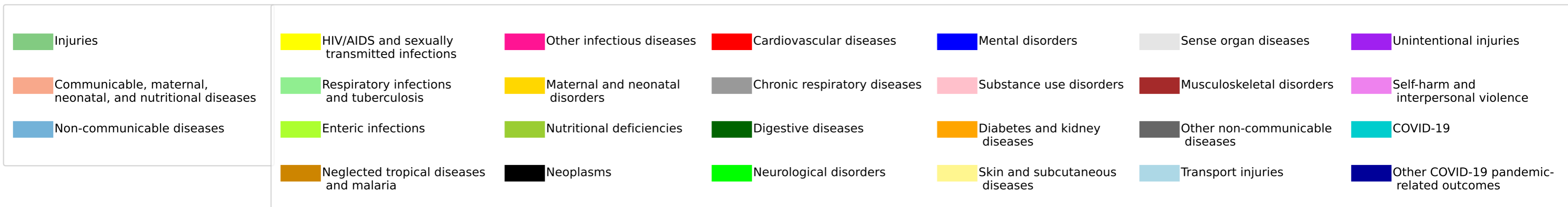
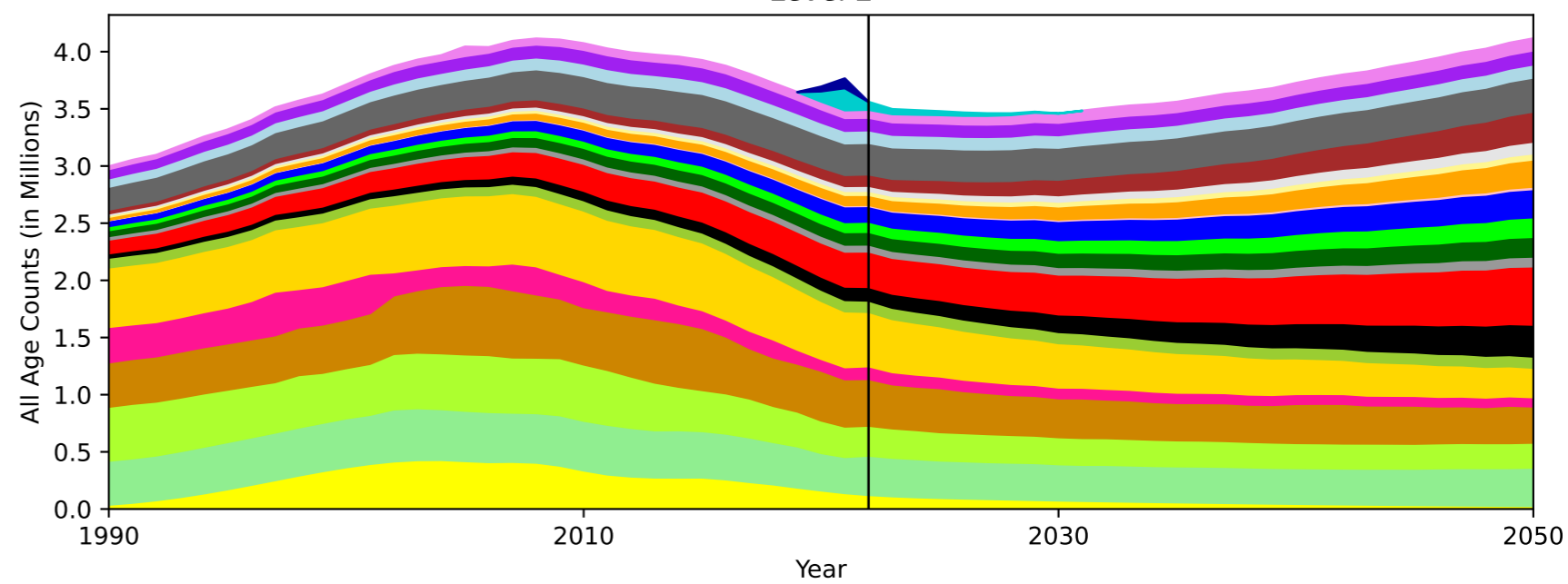
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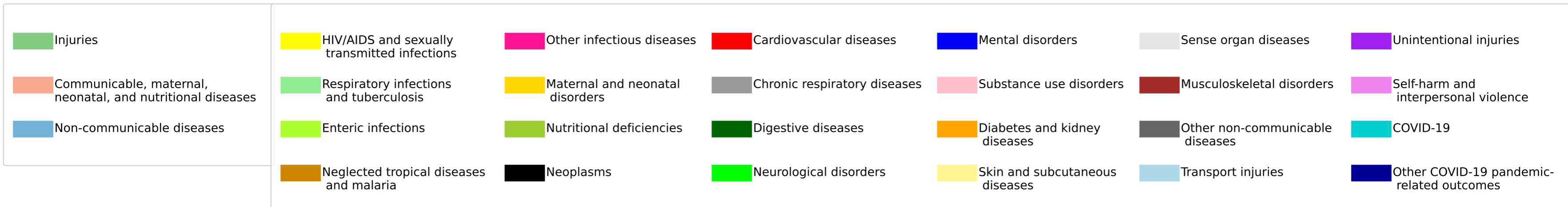
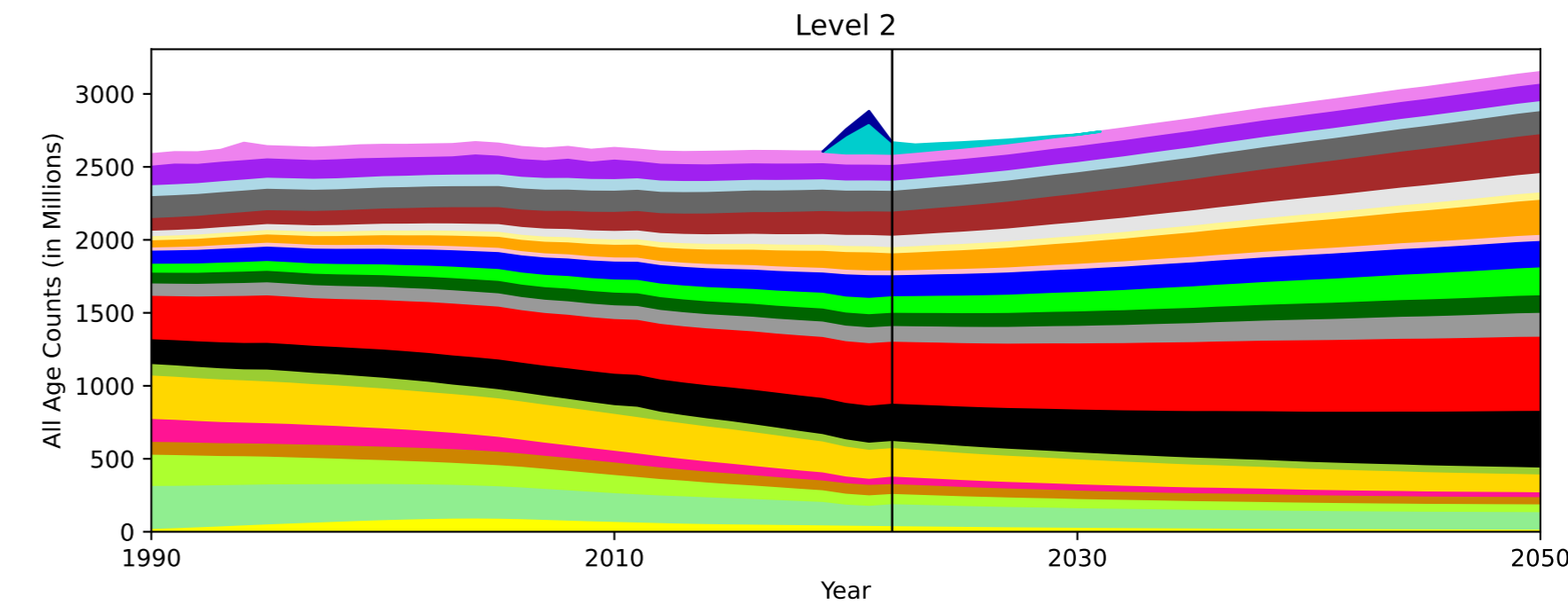
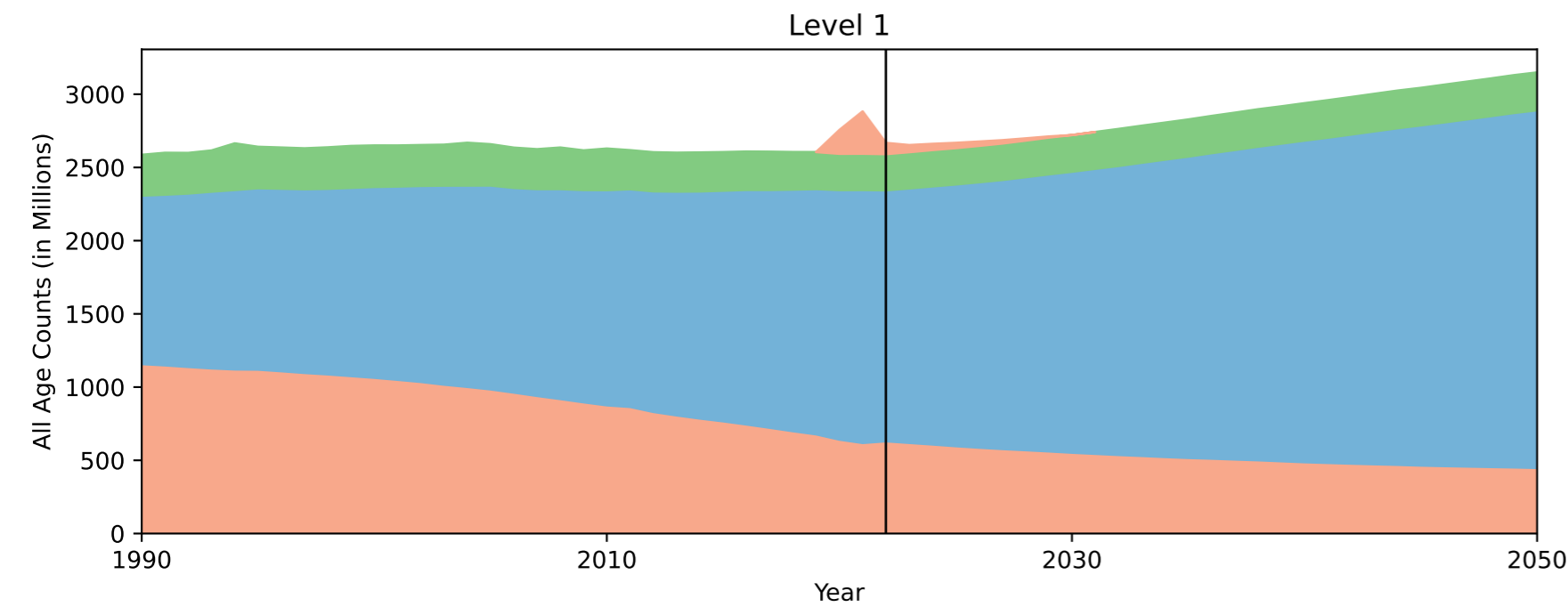
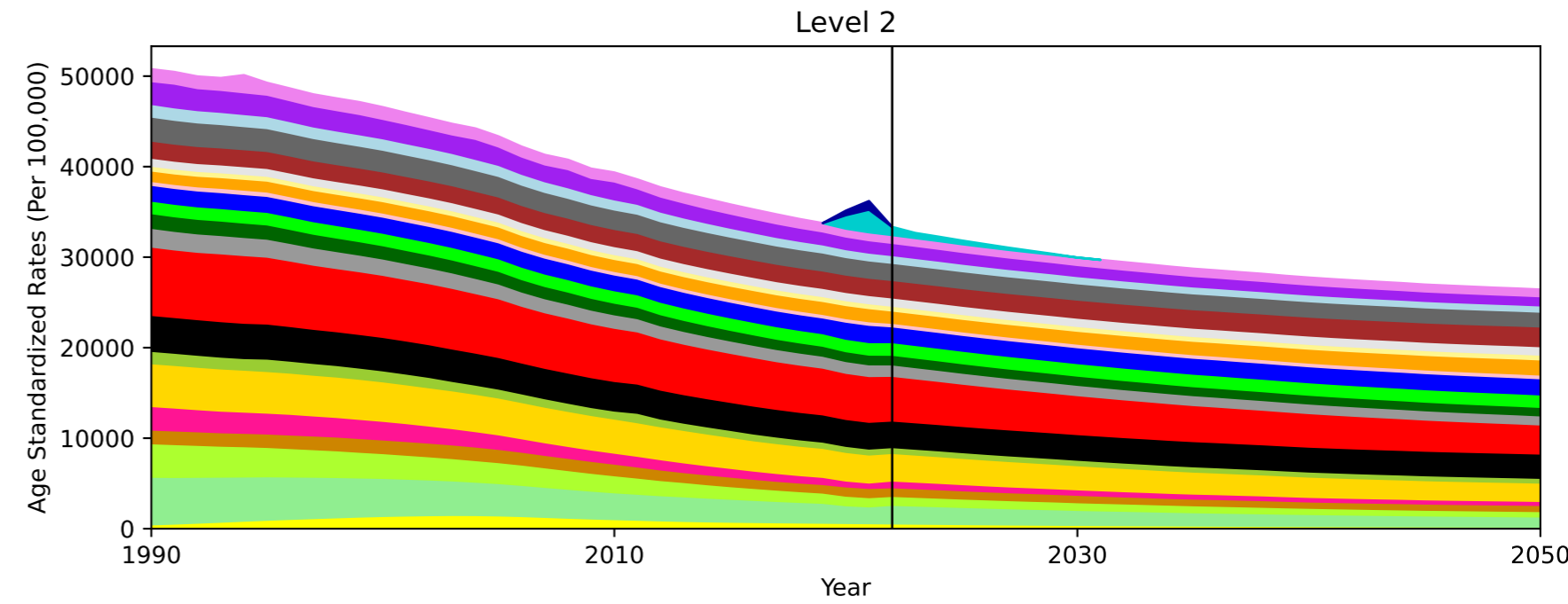
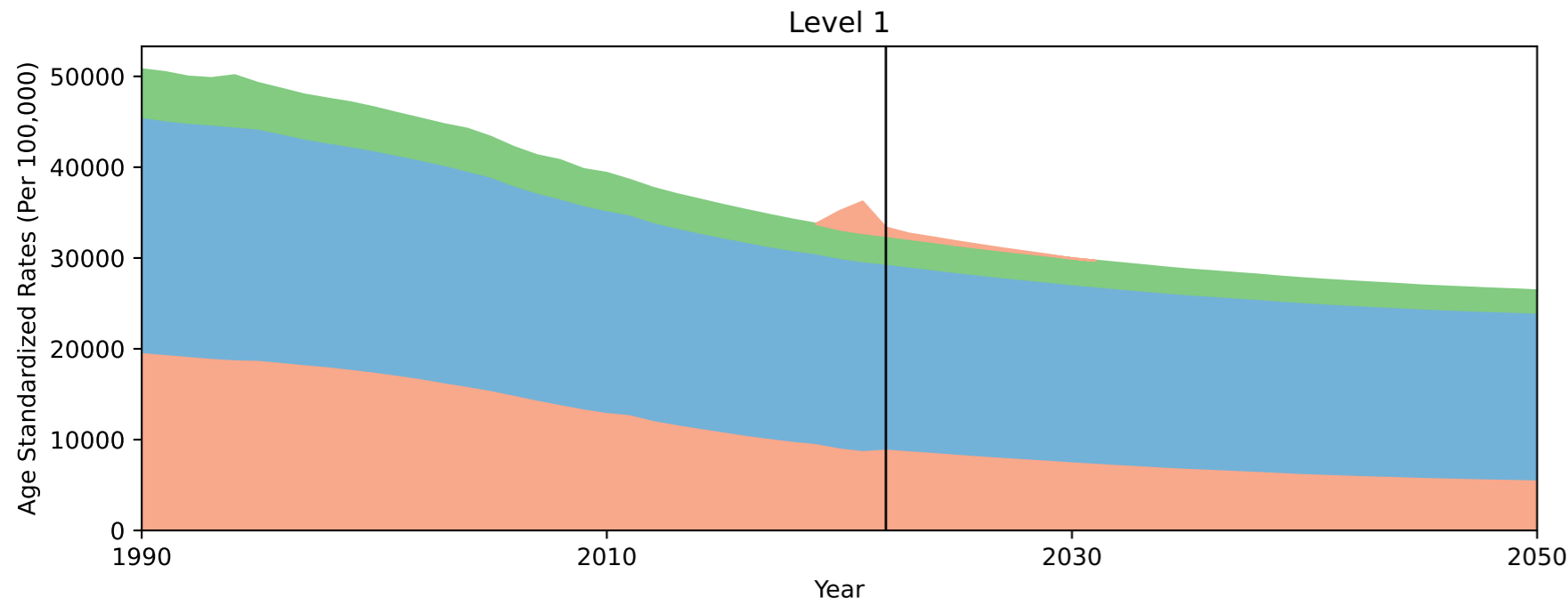


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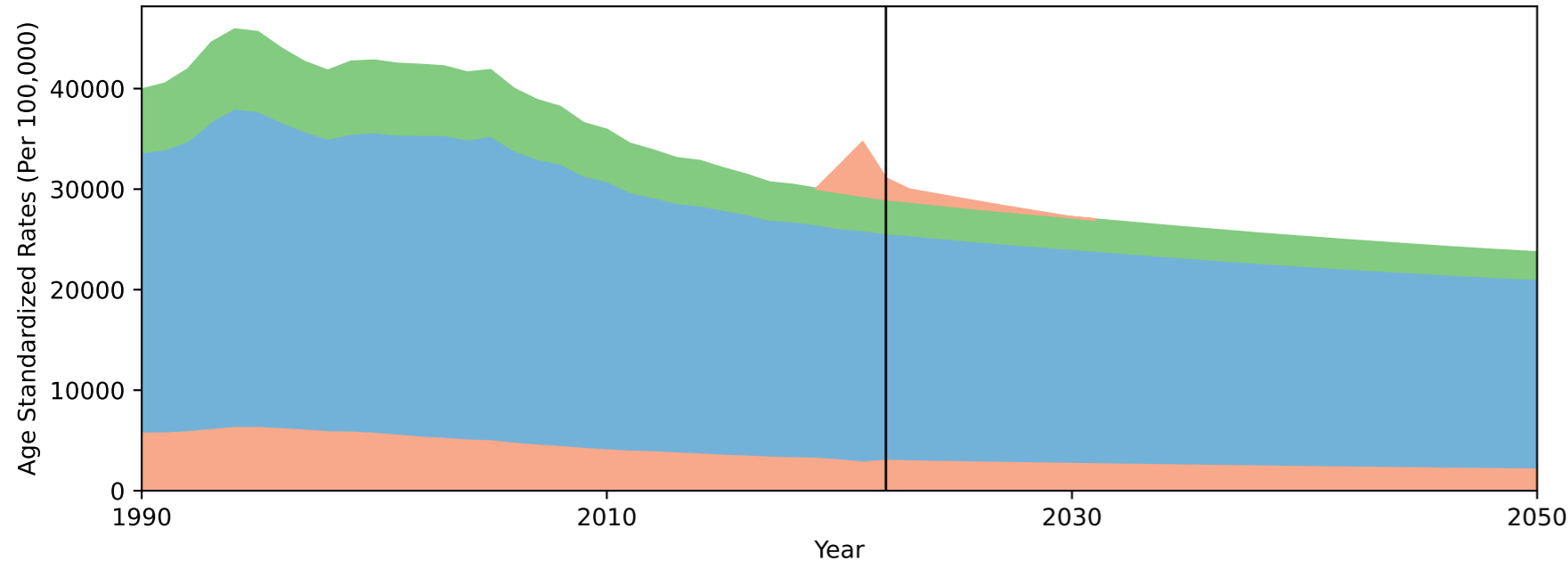
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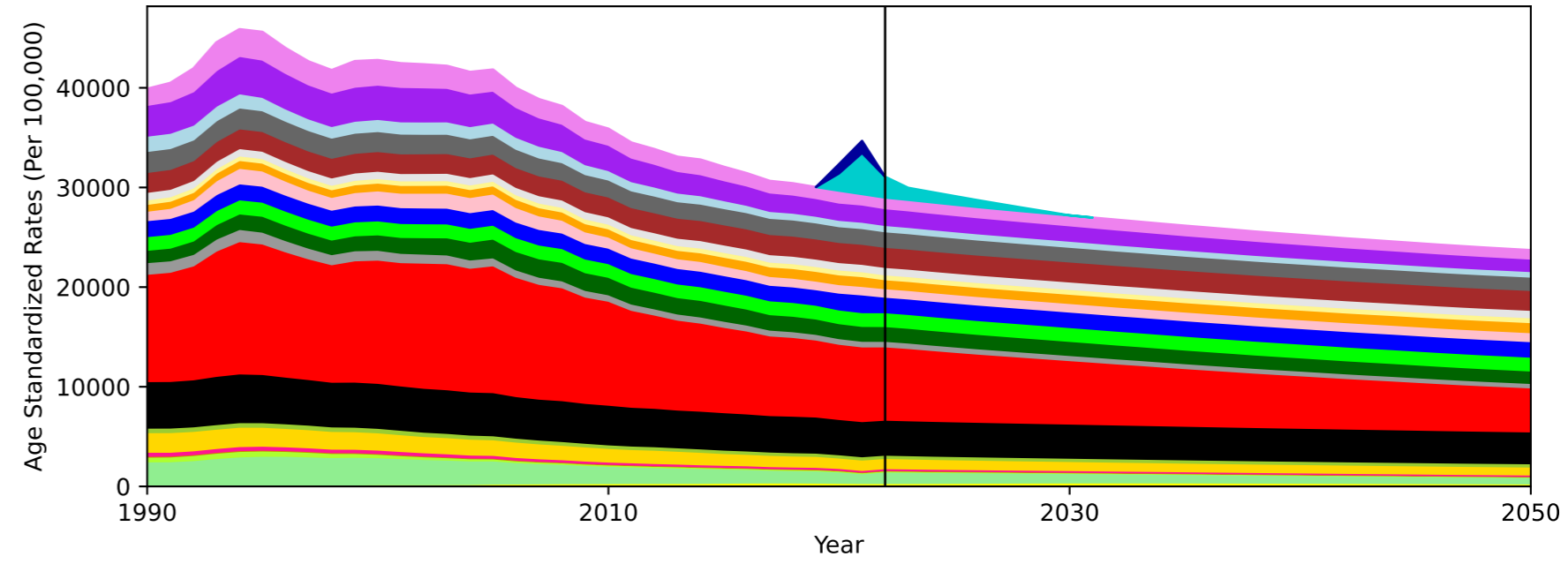


# Central Europe, Eastern Europe, And Central Asia

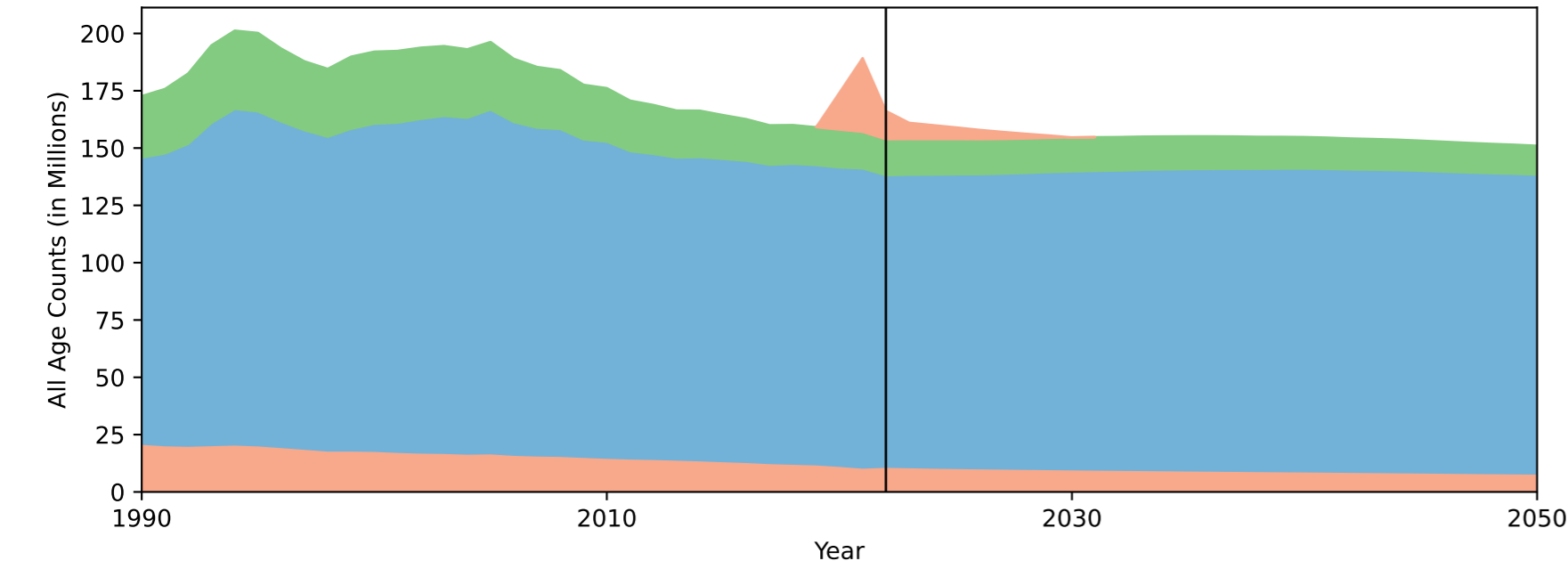
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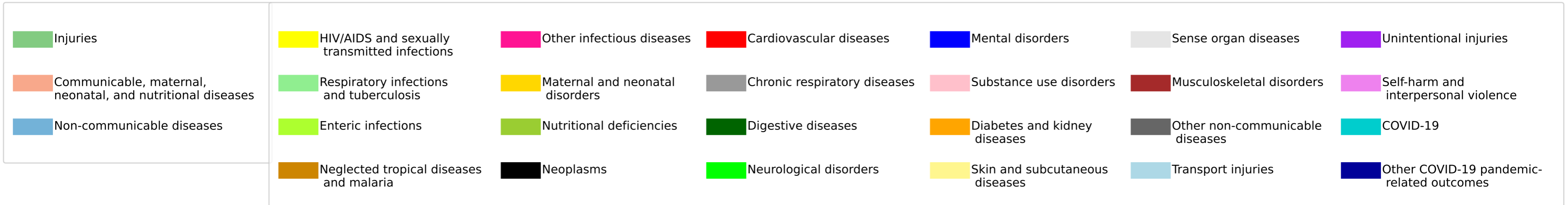
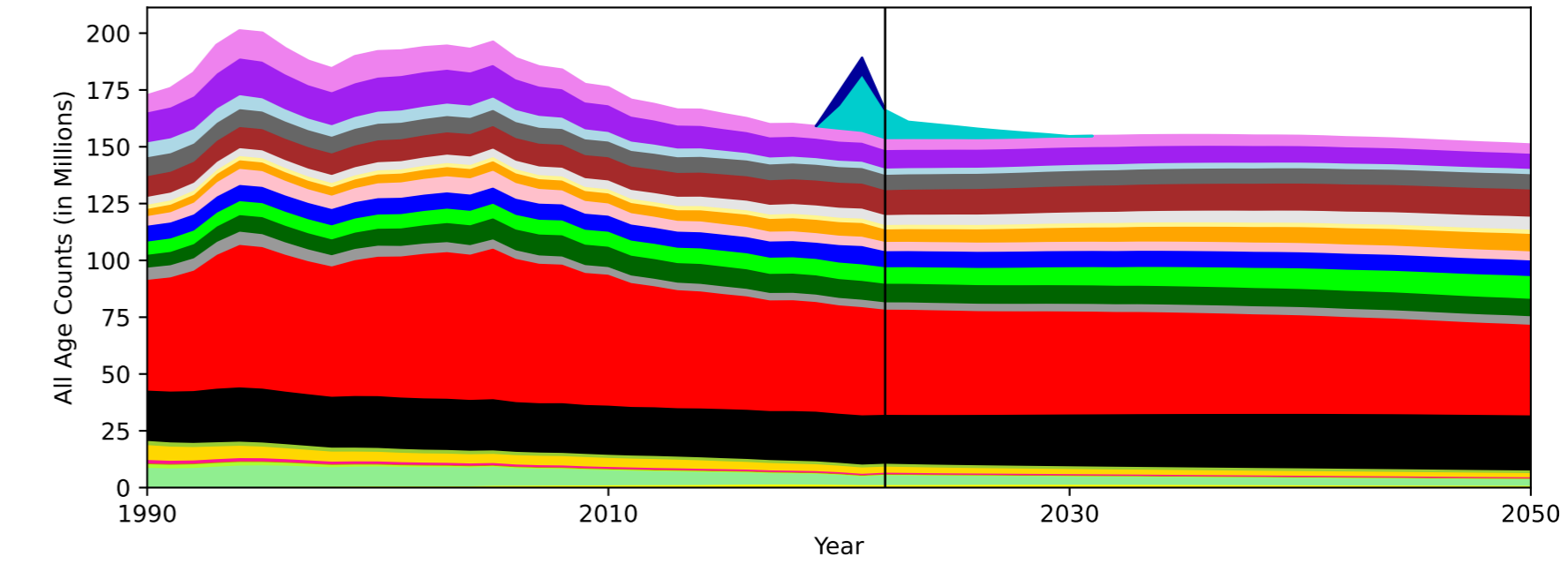
Level 2



Level 1

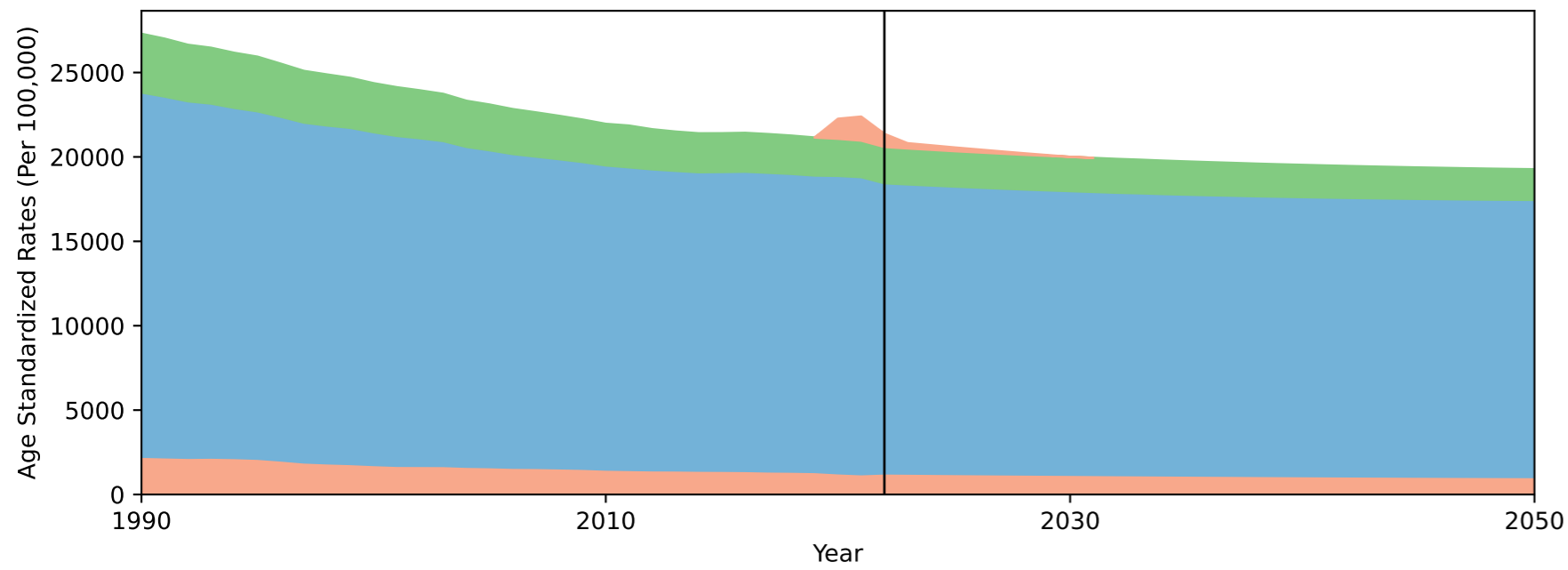


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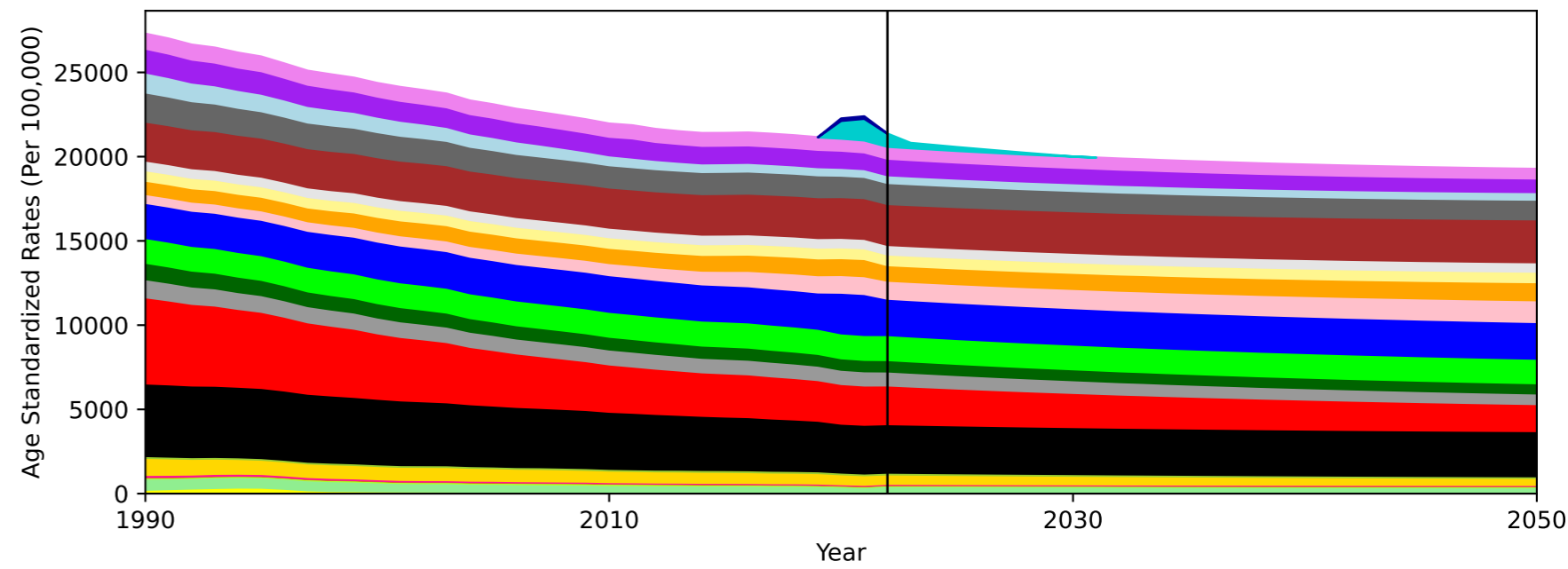


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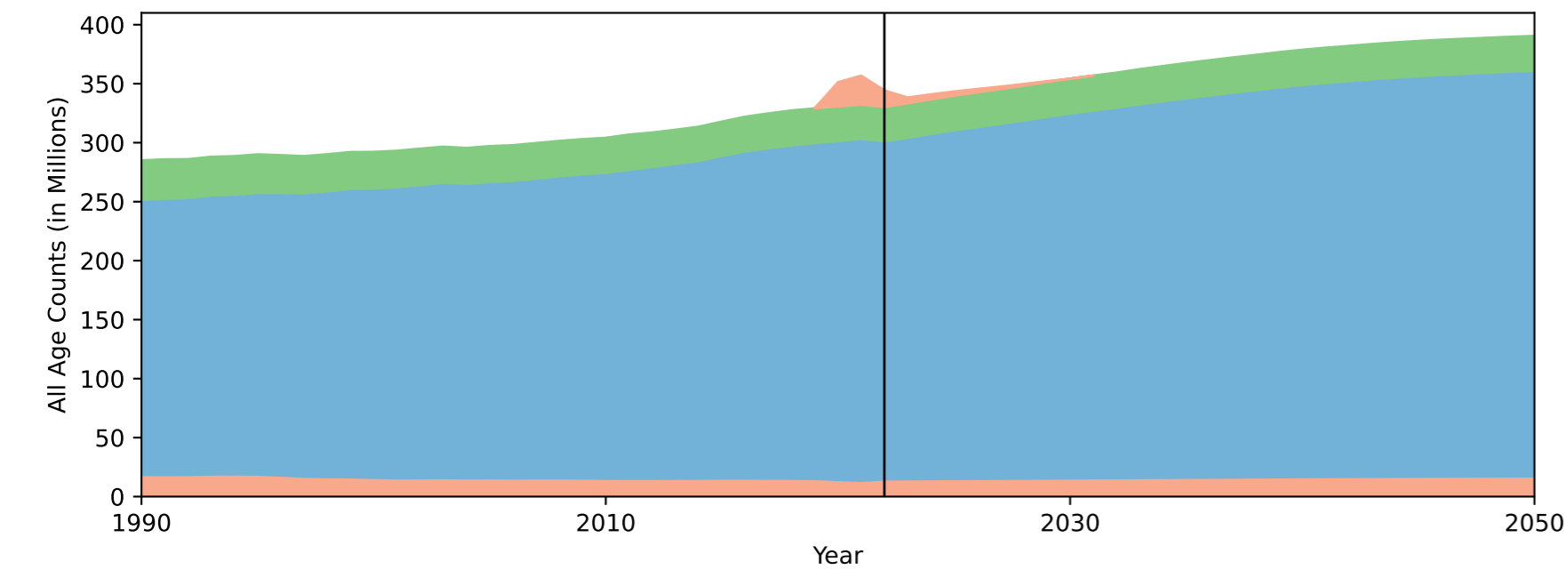
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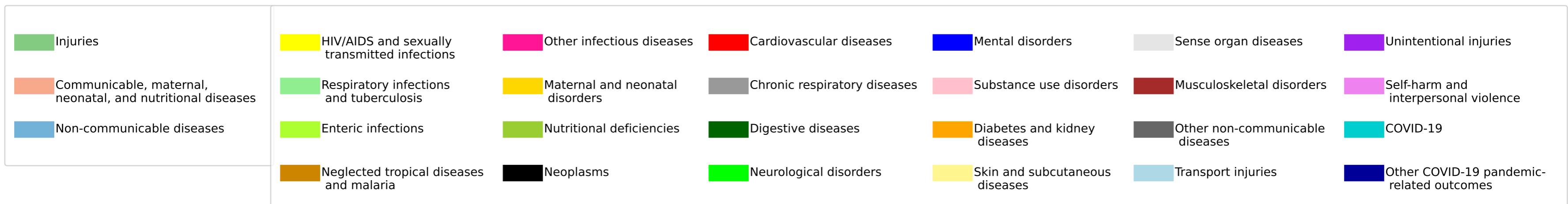
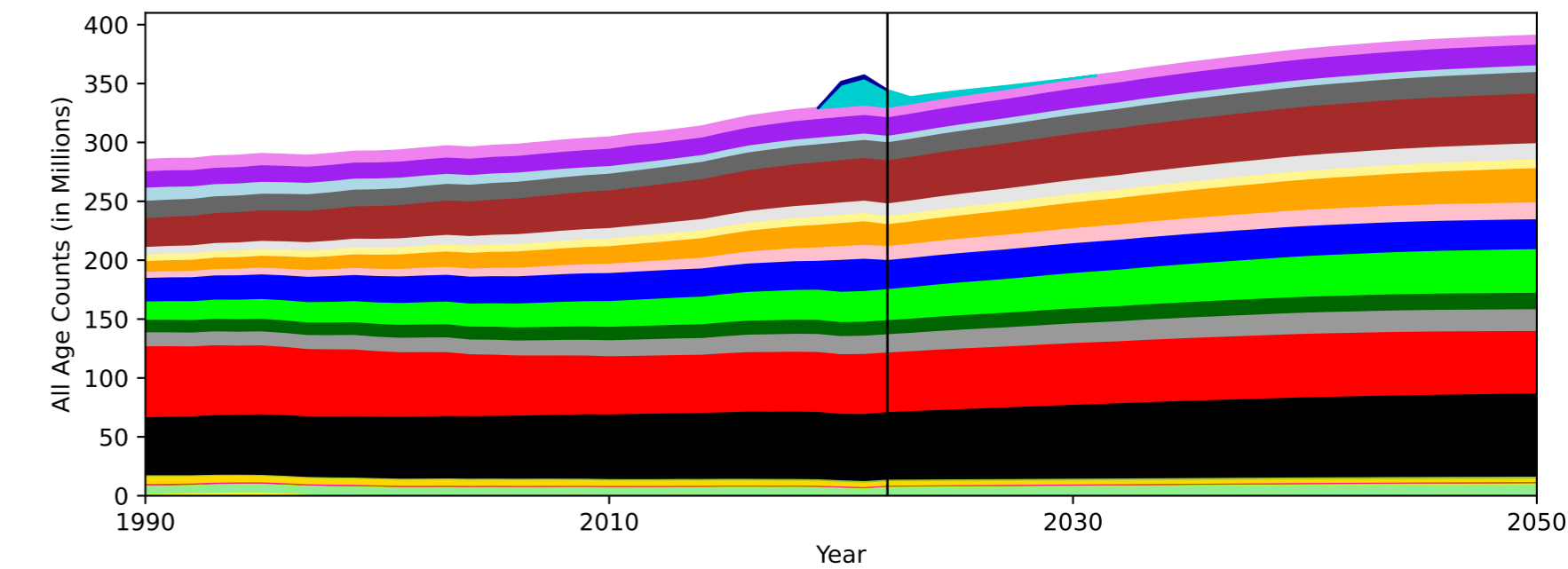
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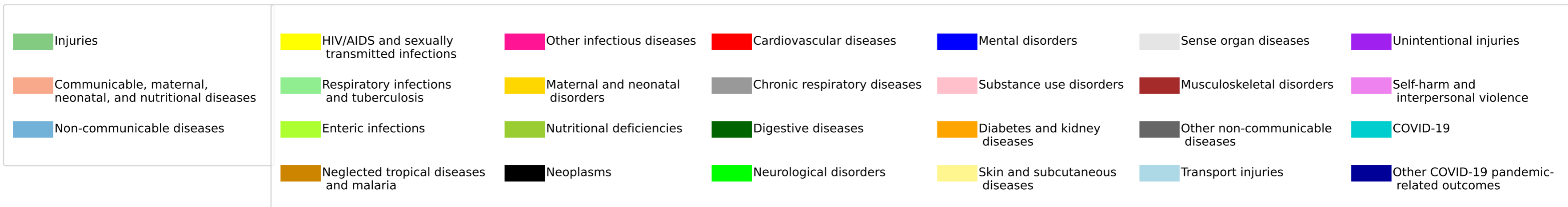
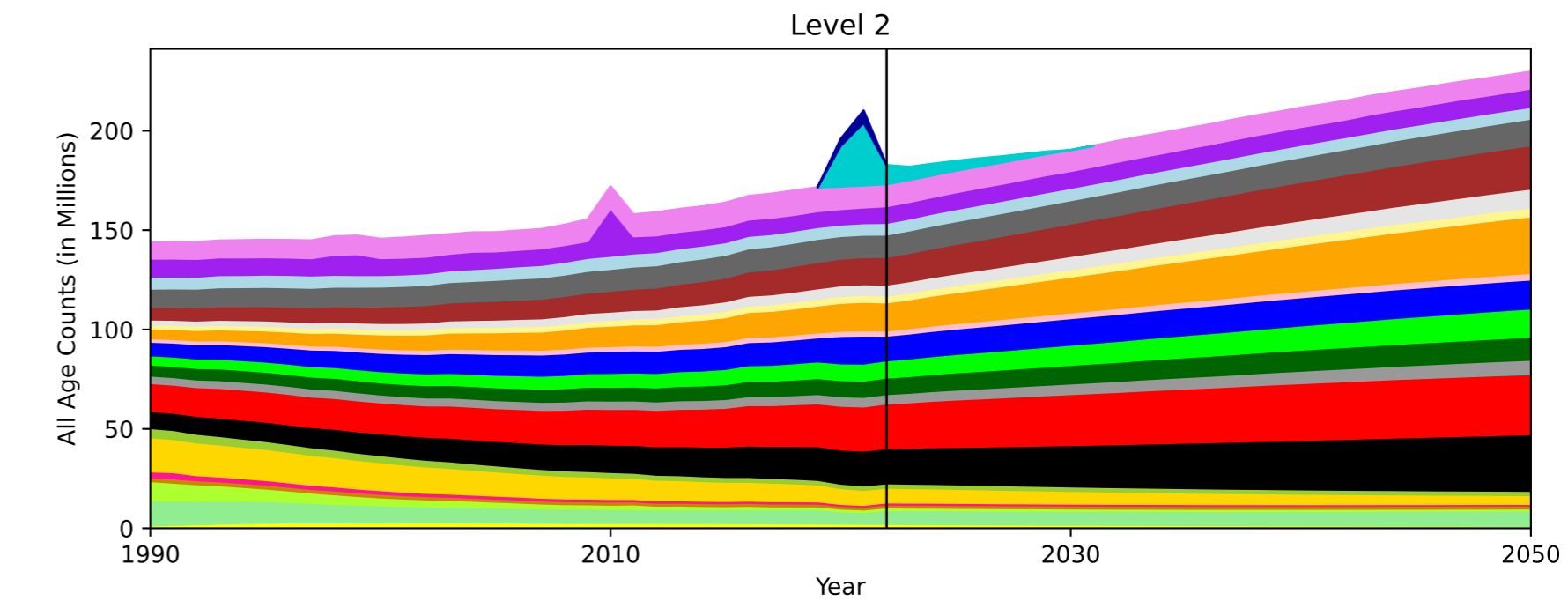
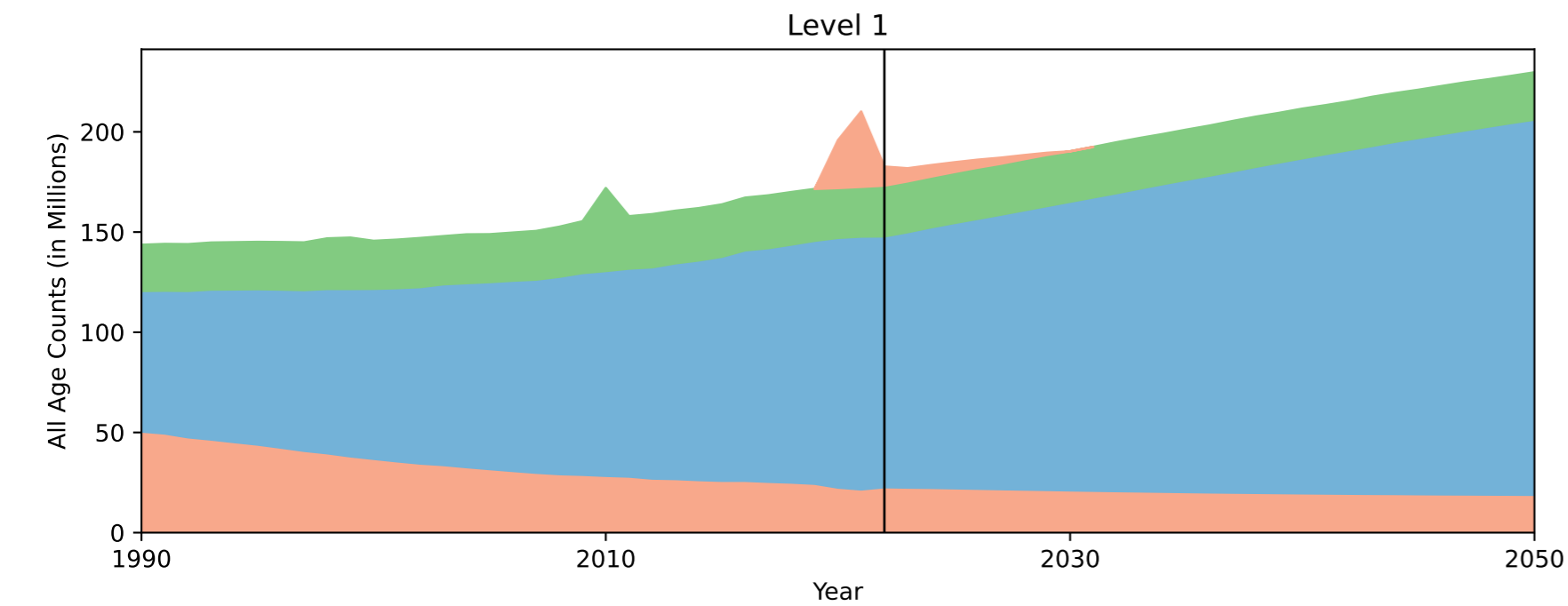
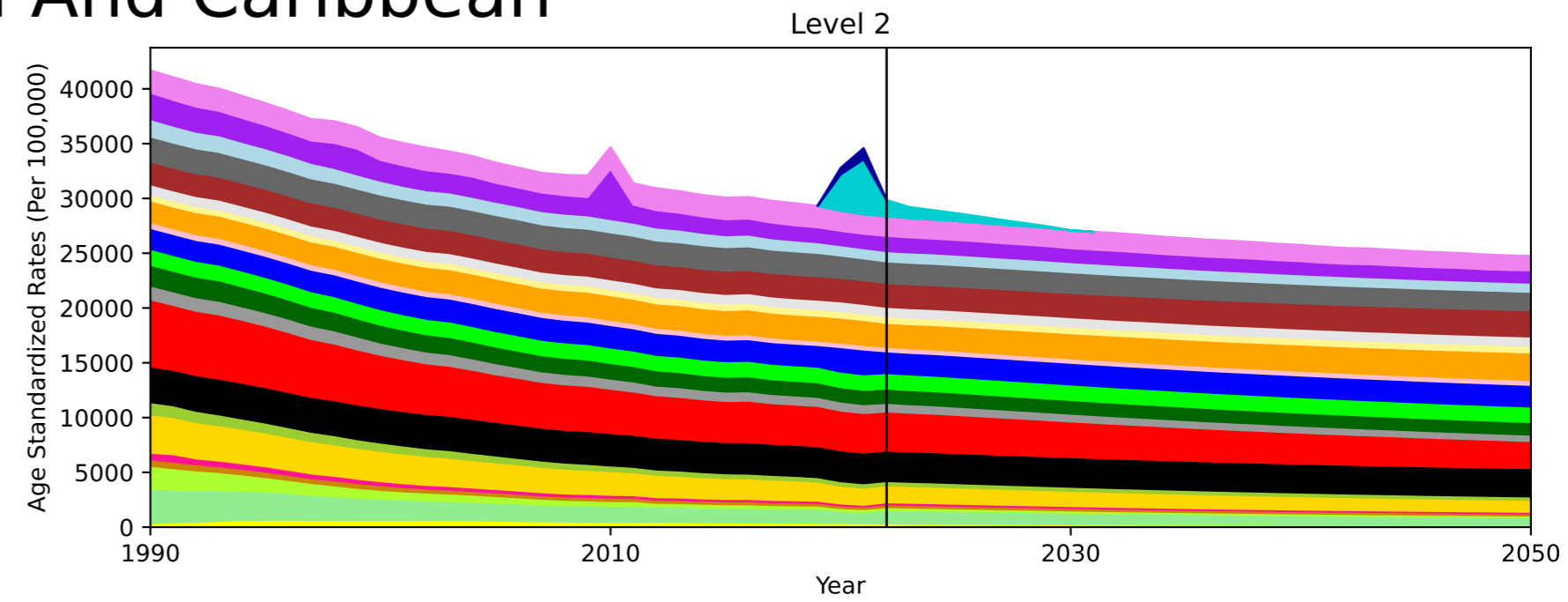
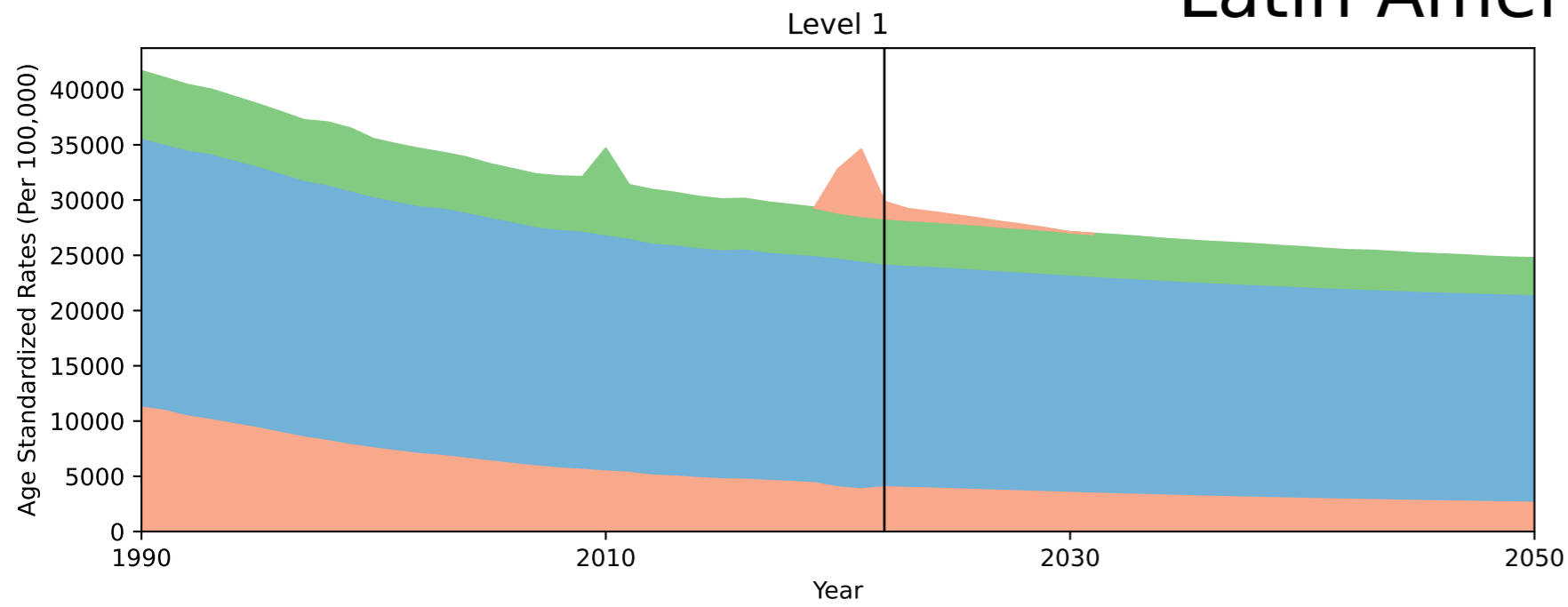
Level 1



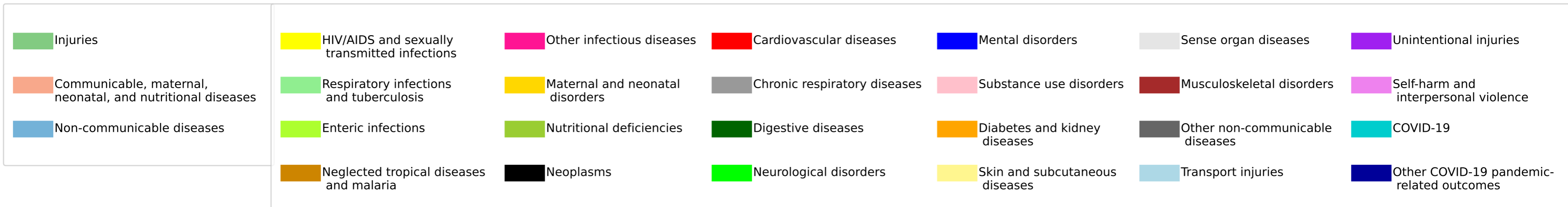
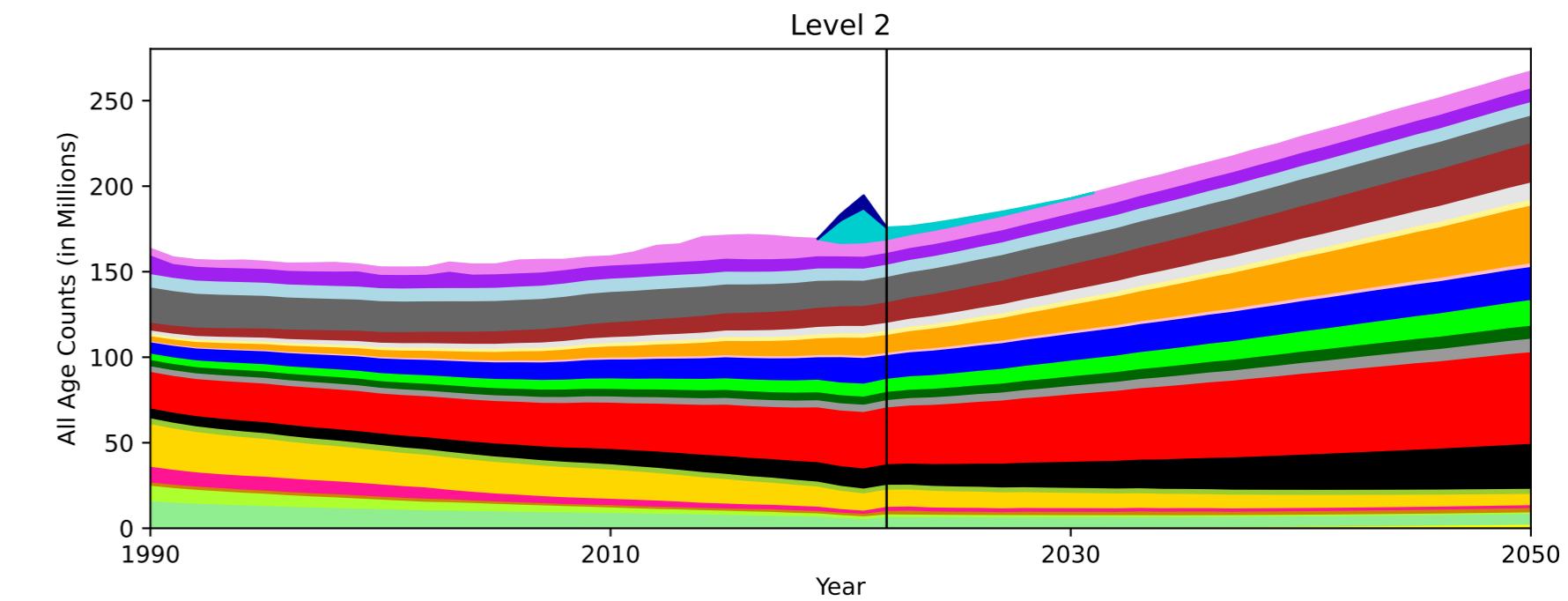
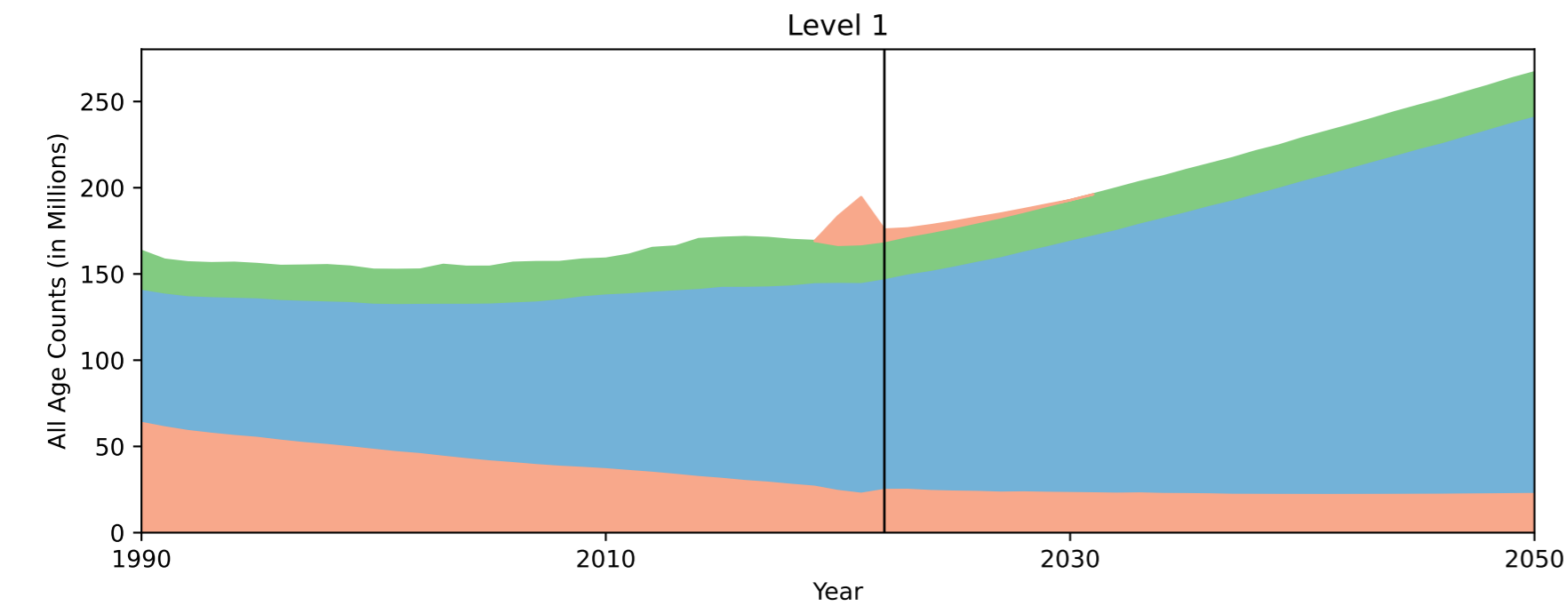
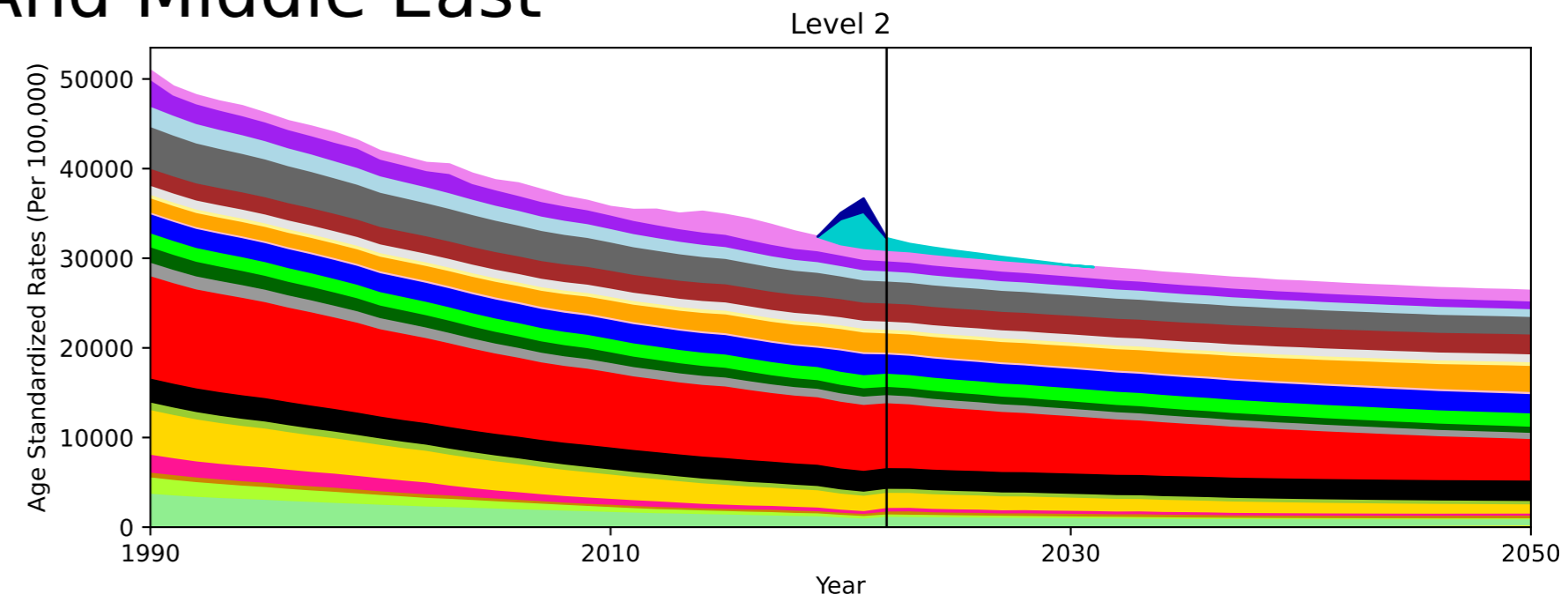
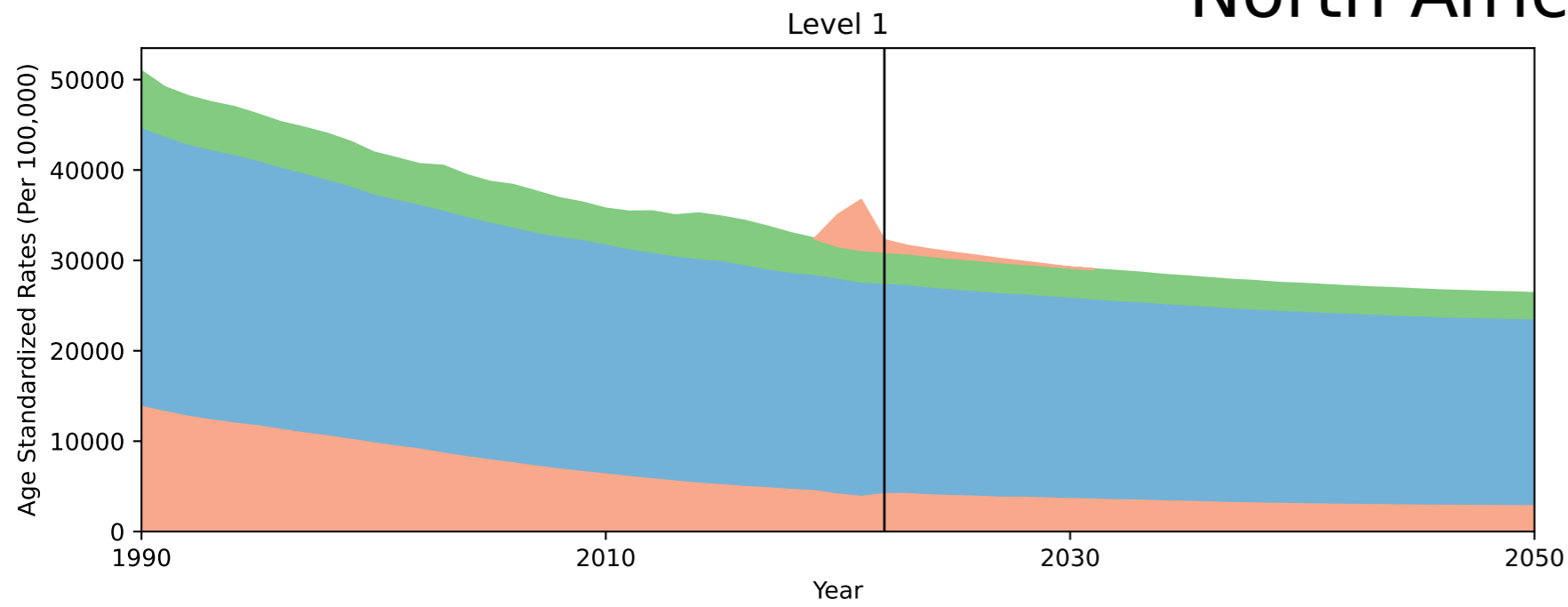
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# Latin America And Caribbean

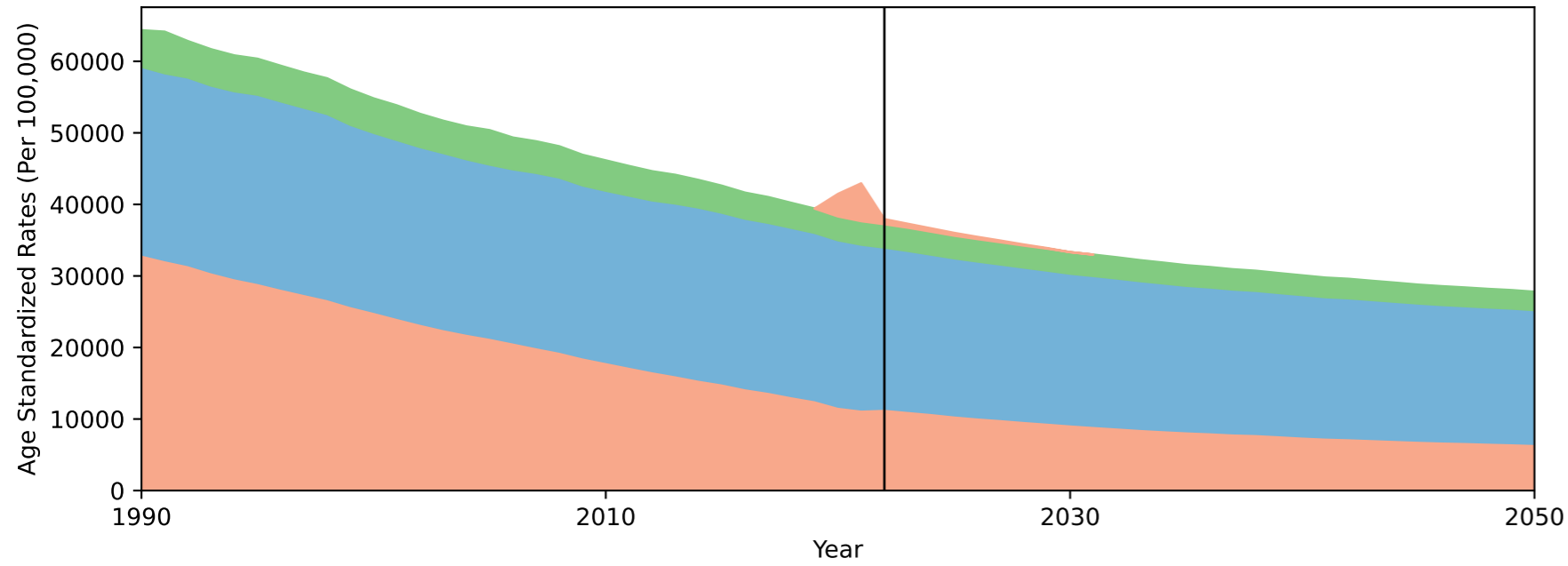


# North Africa And Middle East

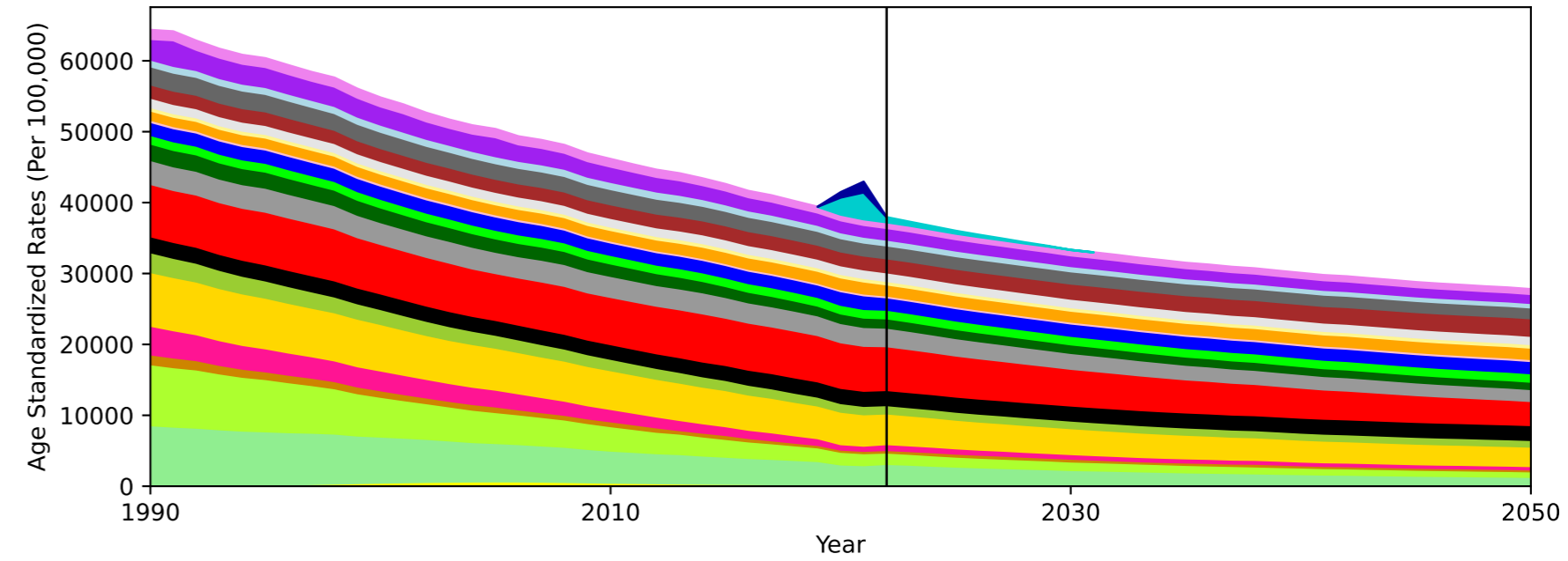


# South Asia

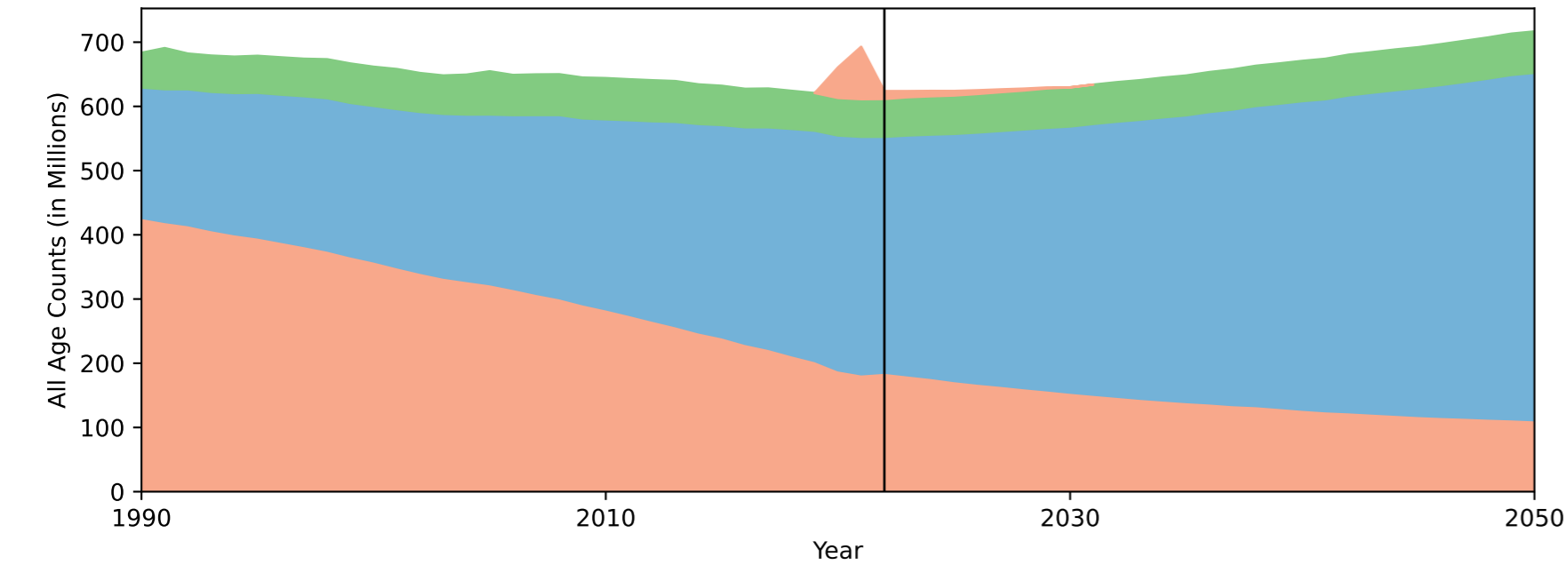
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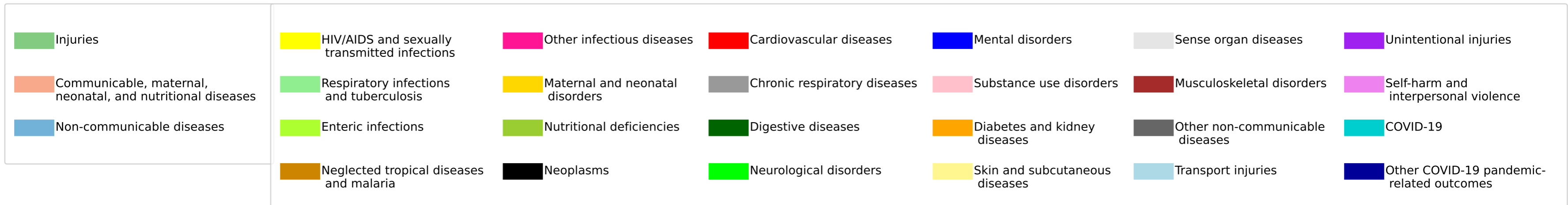
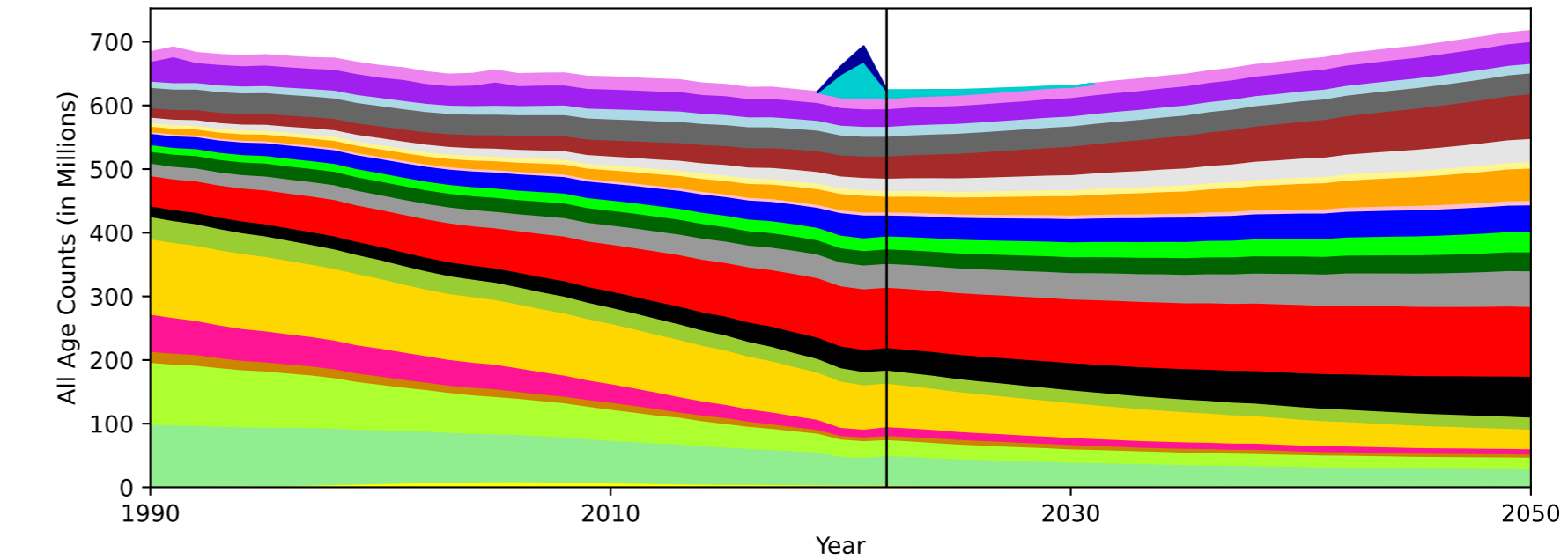
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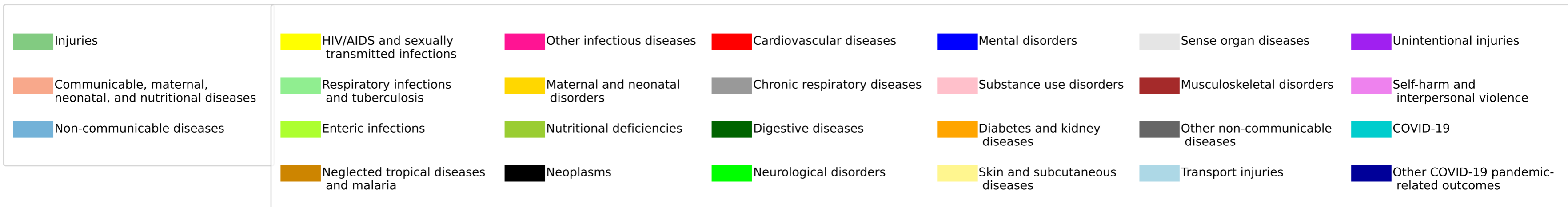
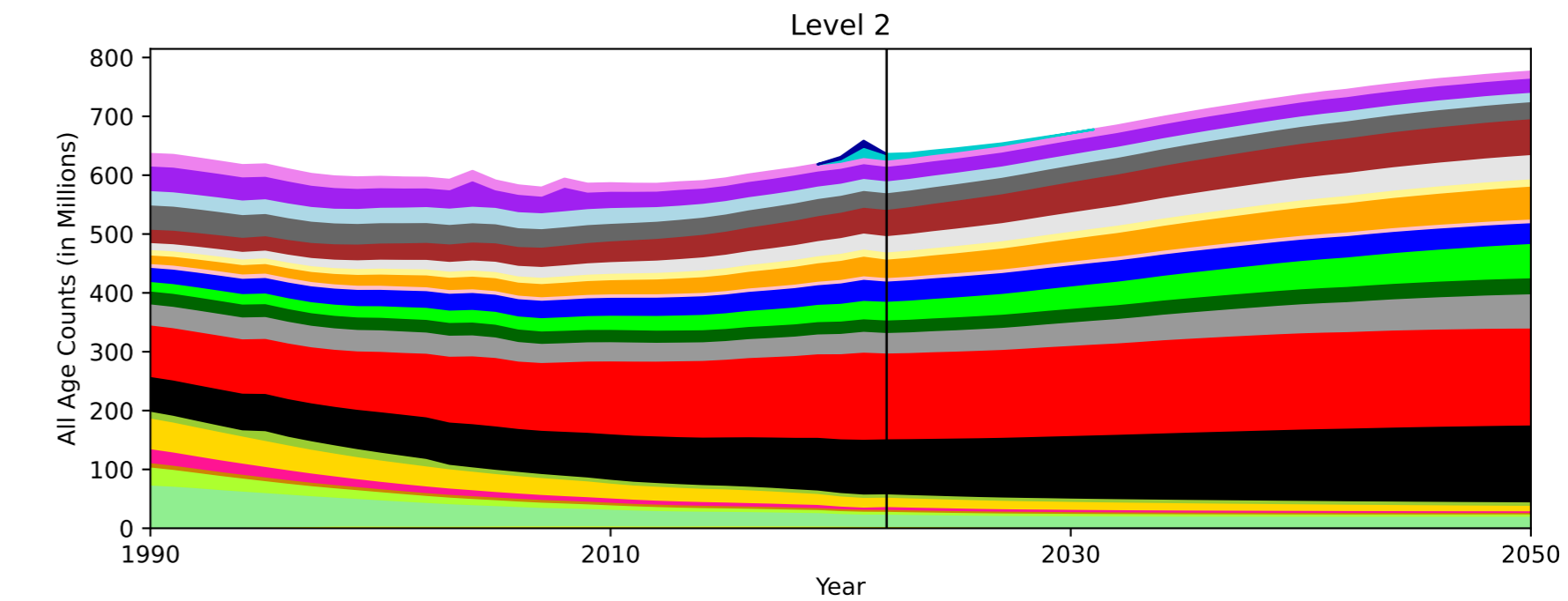
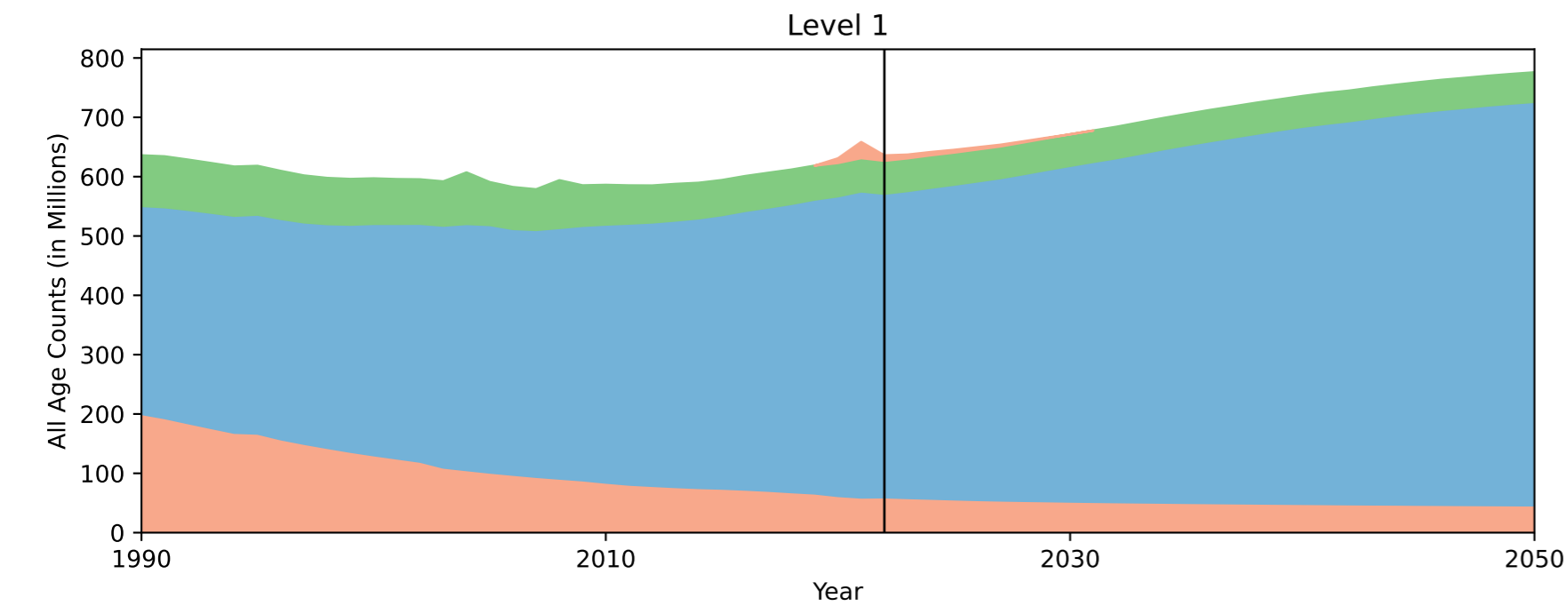
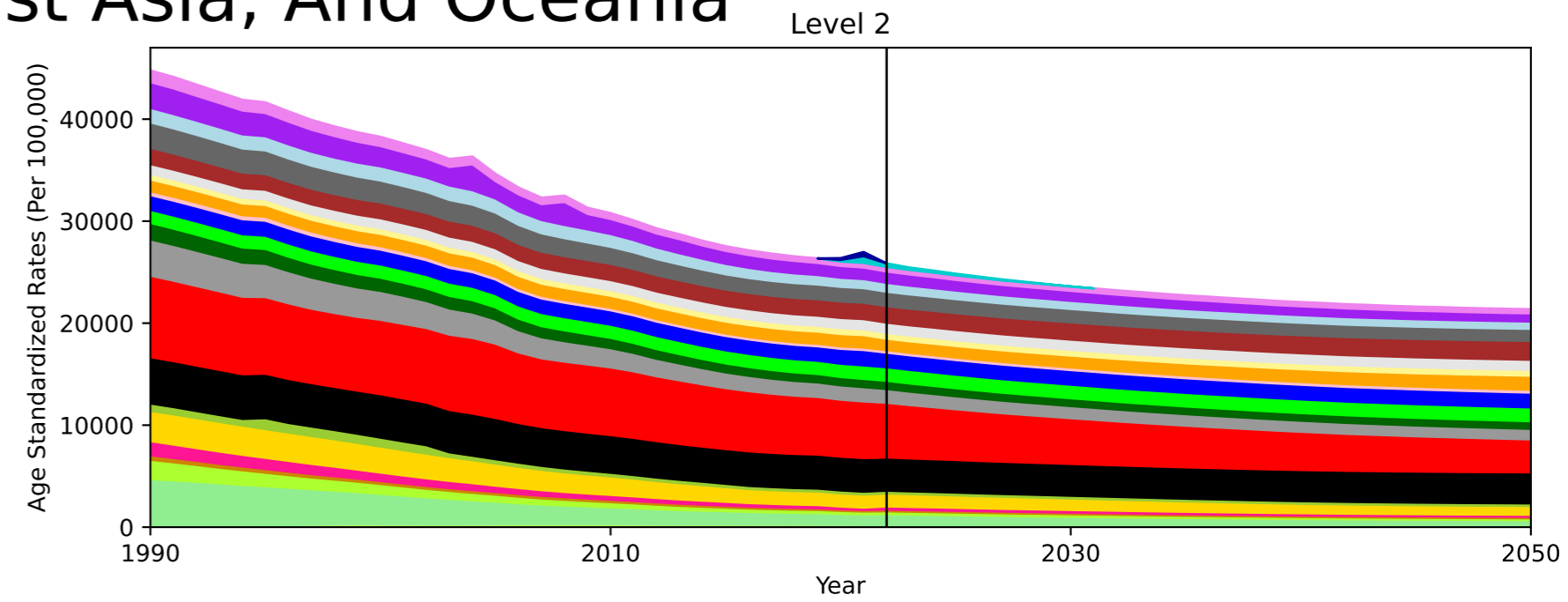
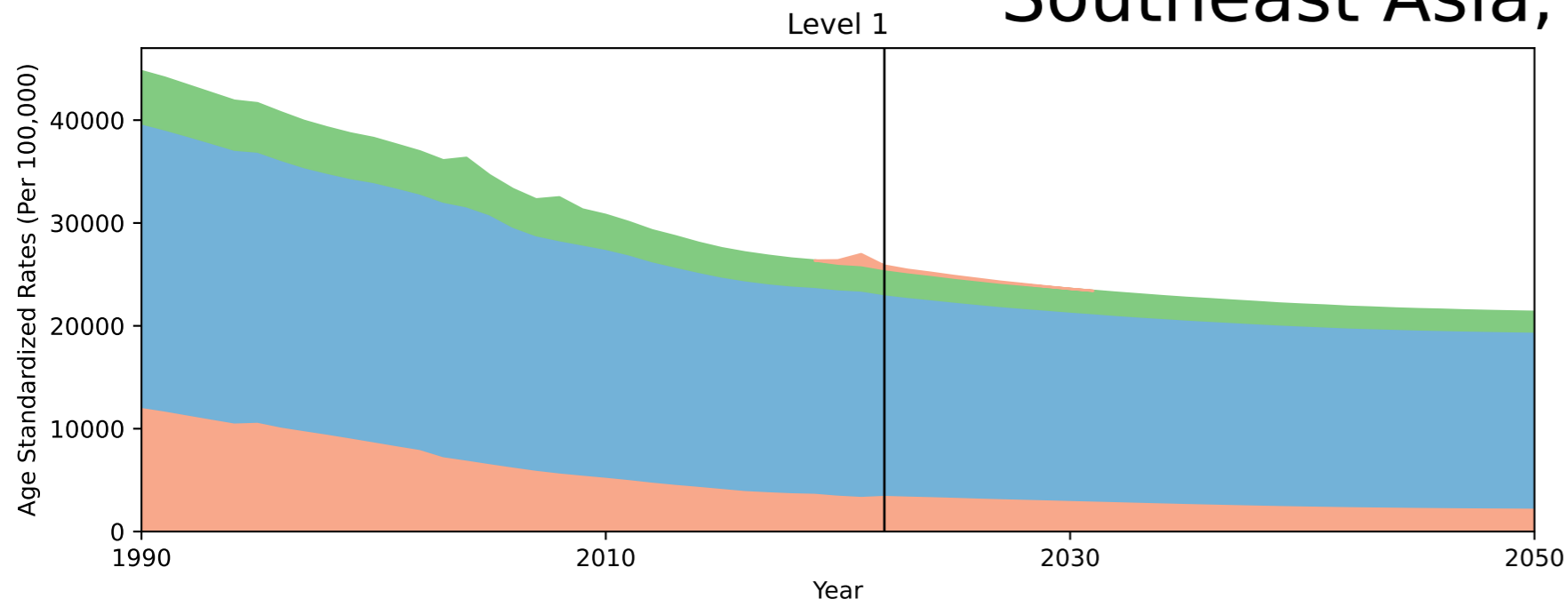
Level 1



Level 2



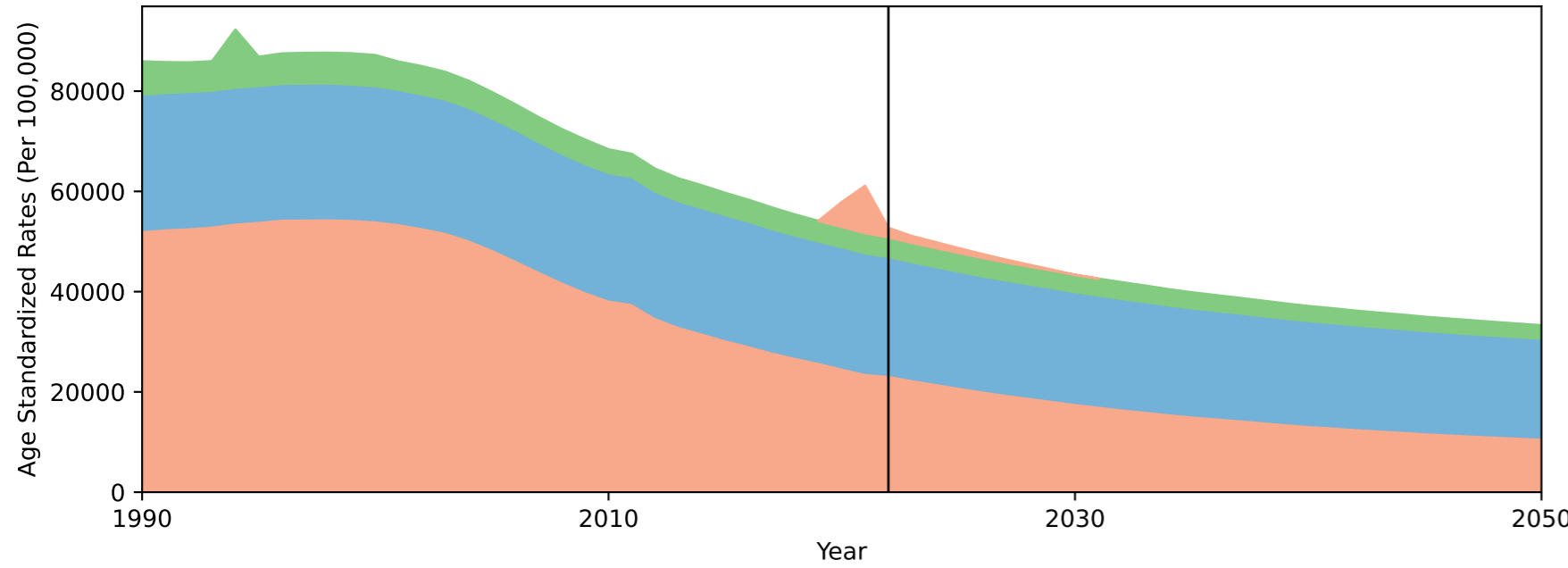
# Southeast Asia, East Asia, And Oceania



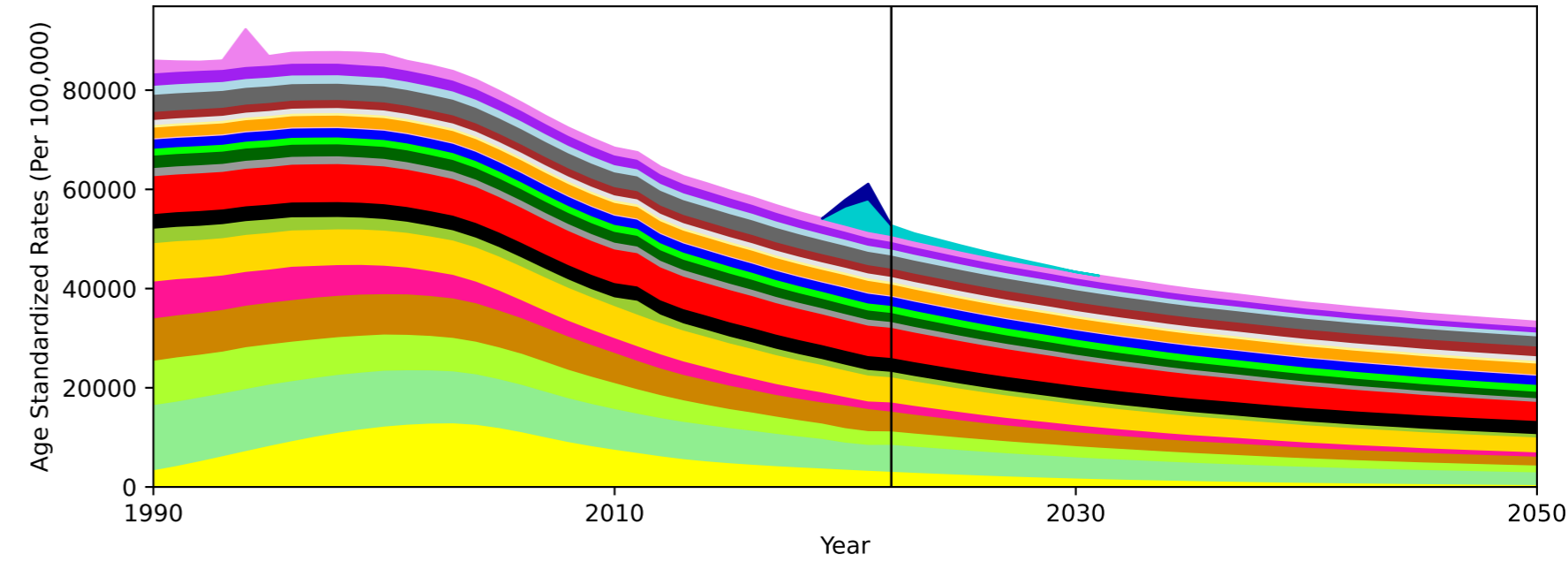


# Sub-Saharan Africa

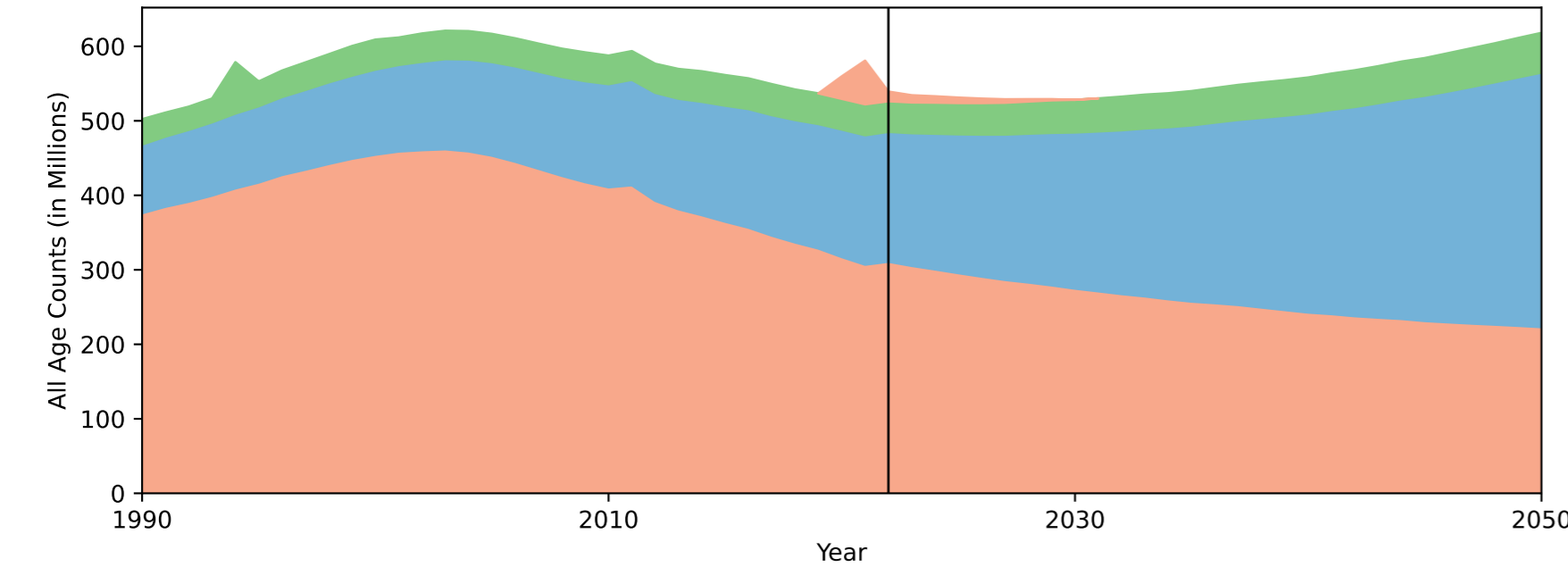
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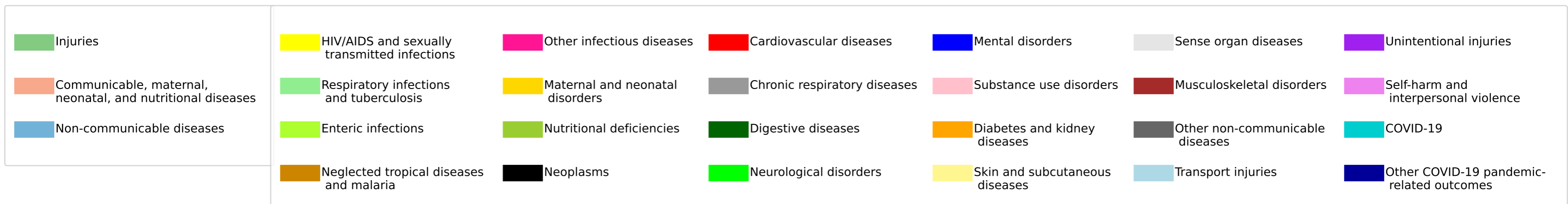
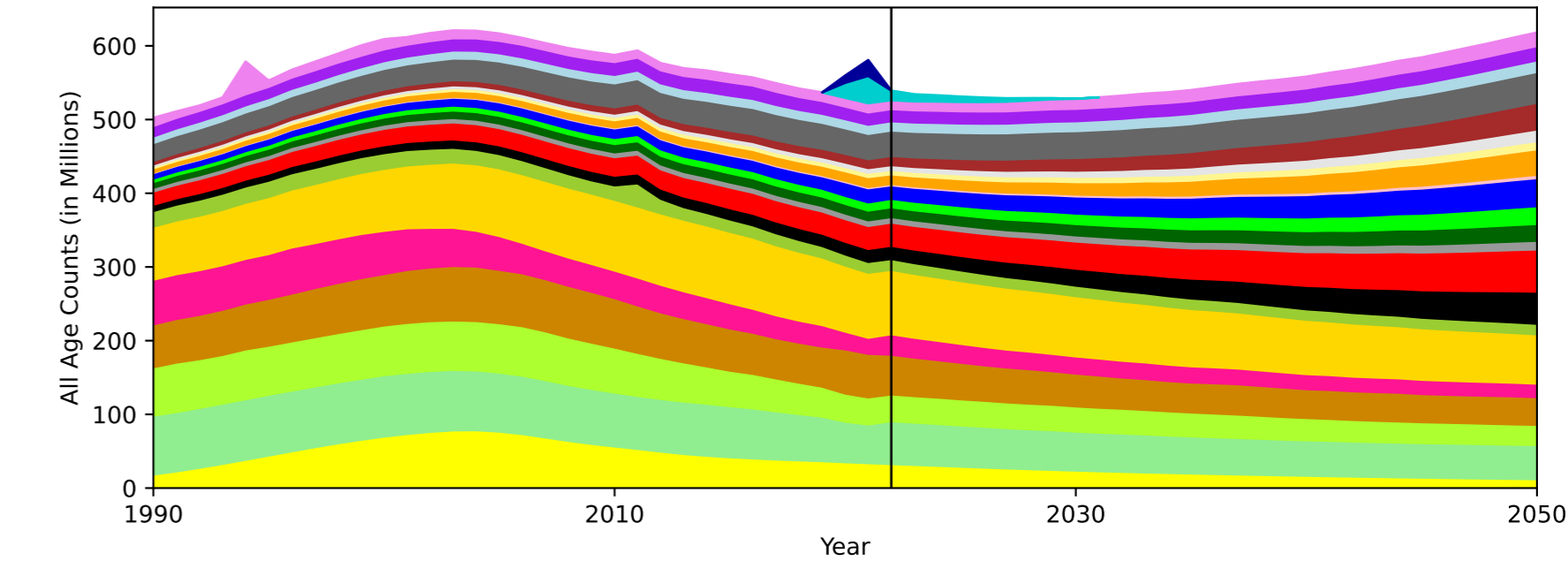
Level 2



Level 1



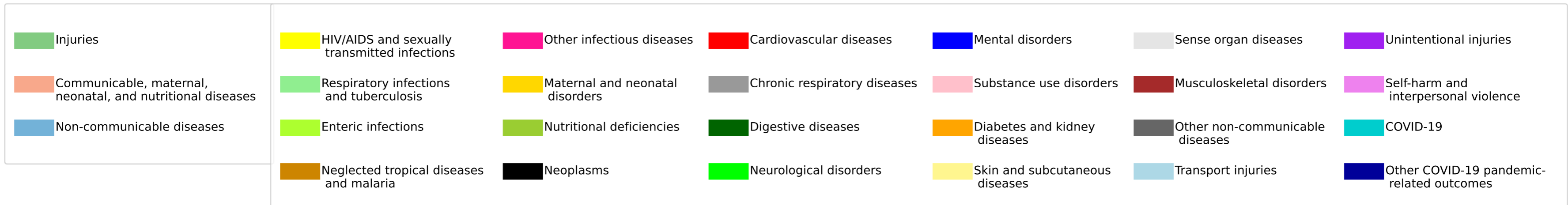
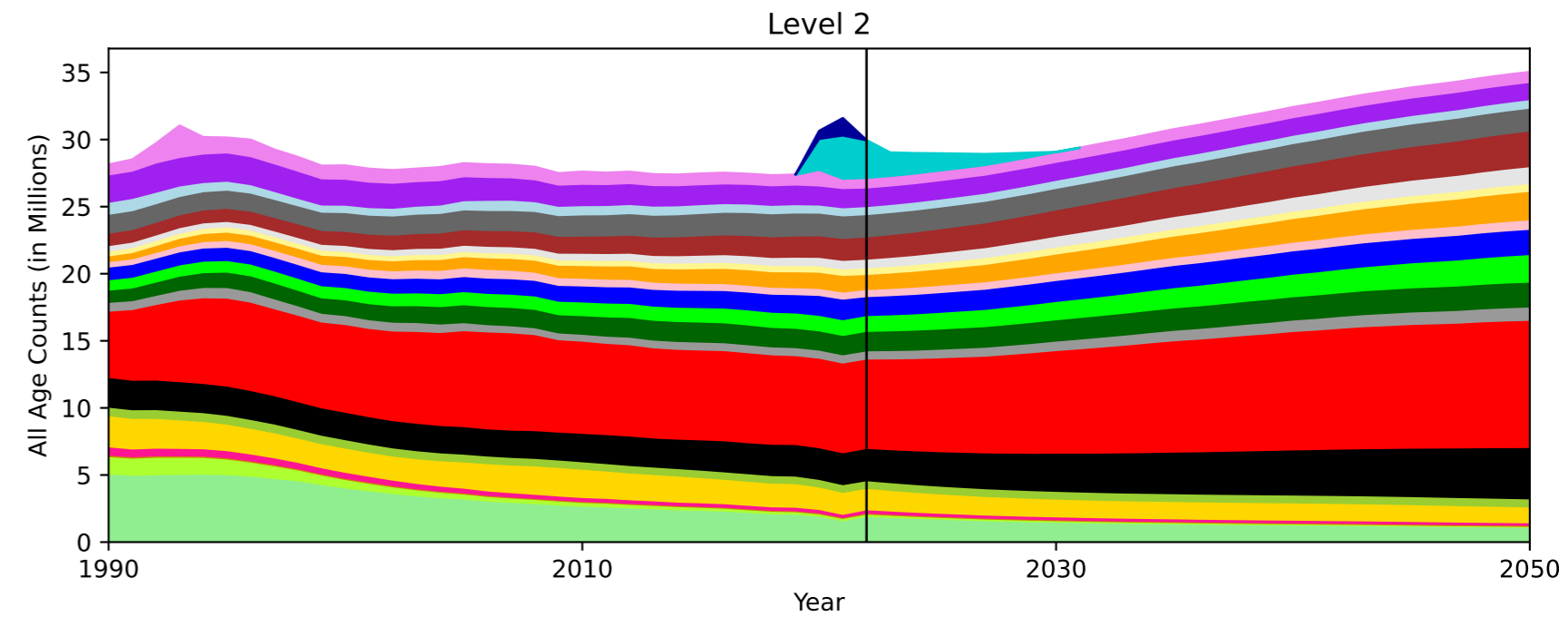
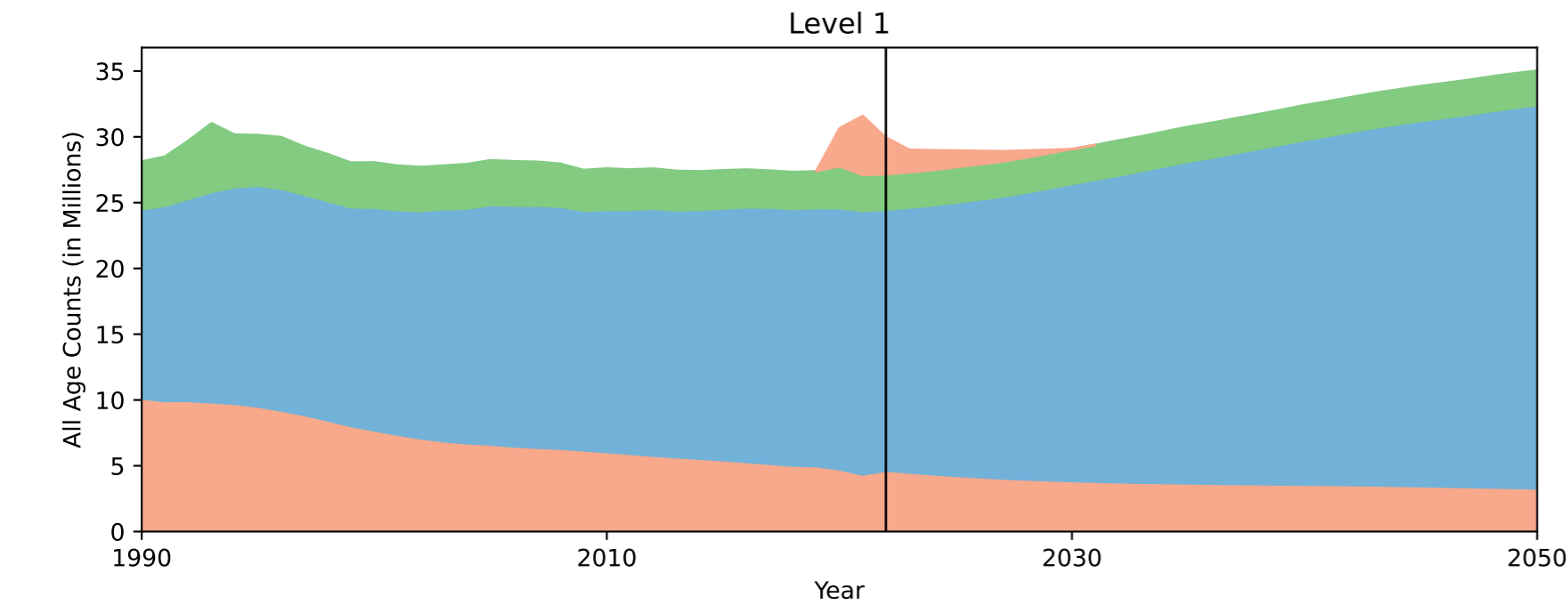
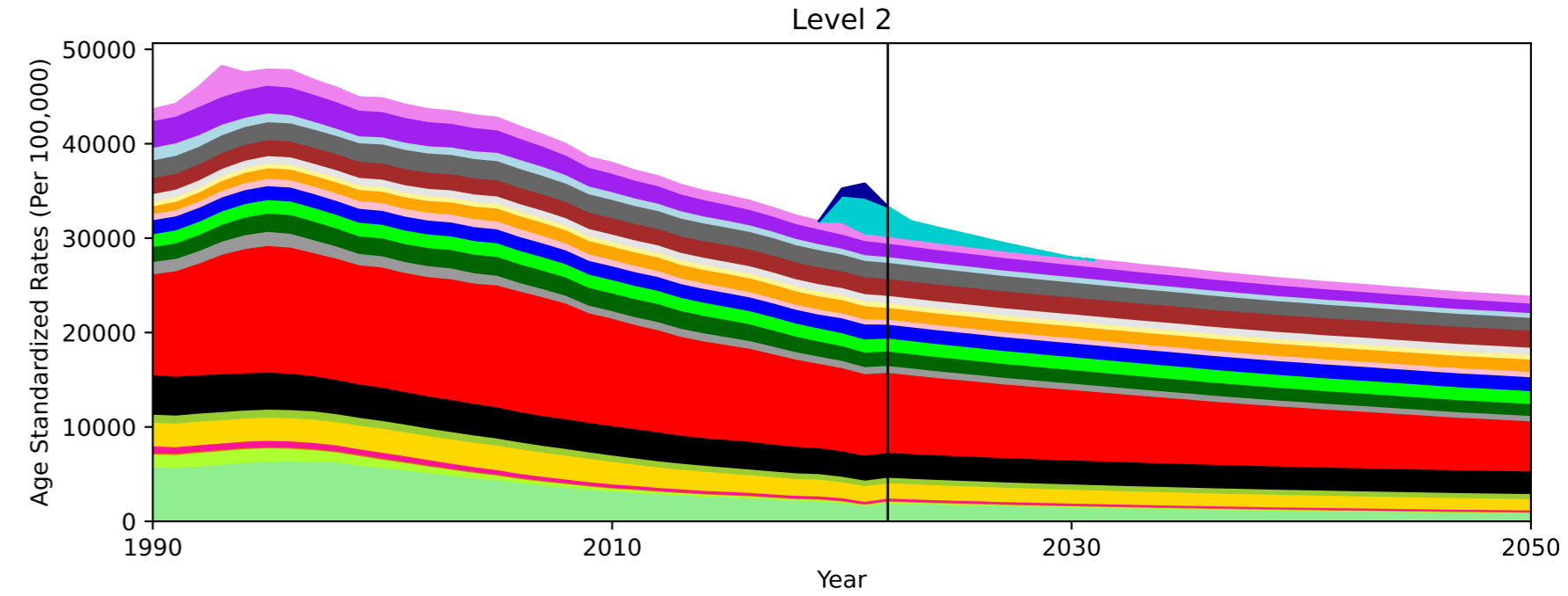
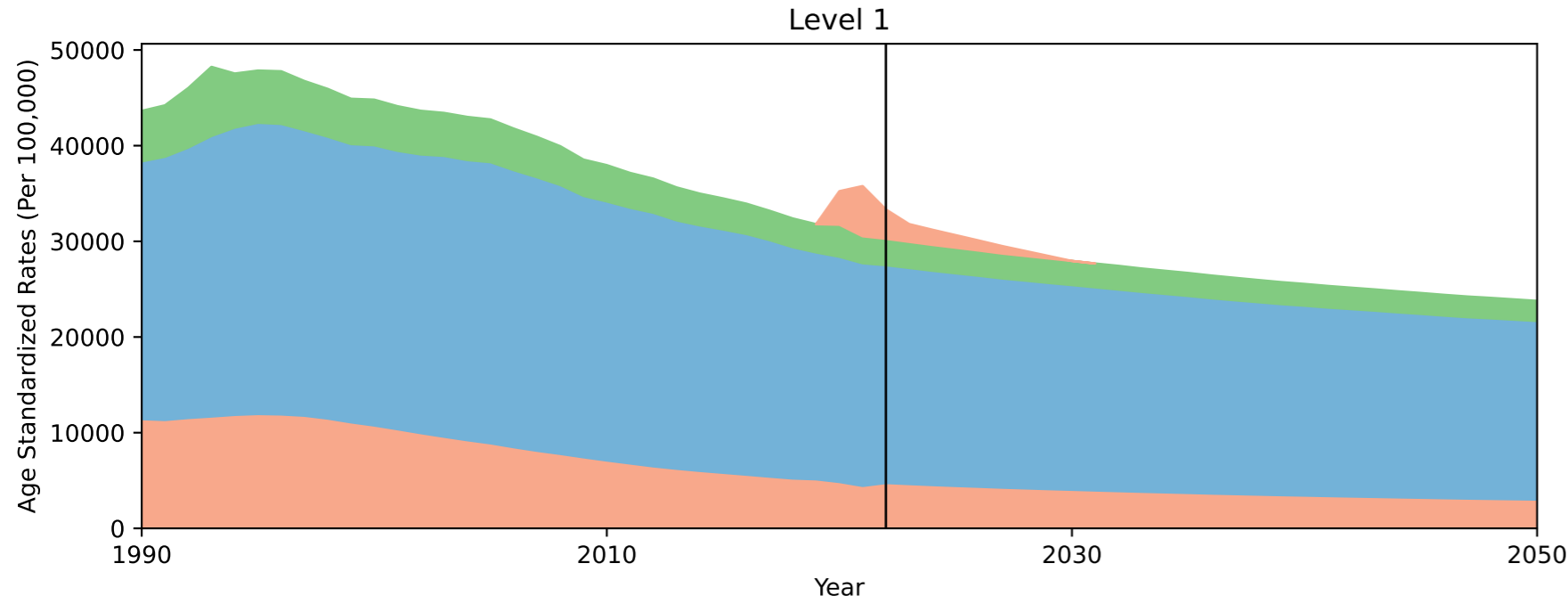
Level 2



# Central Asia

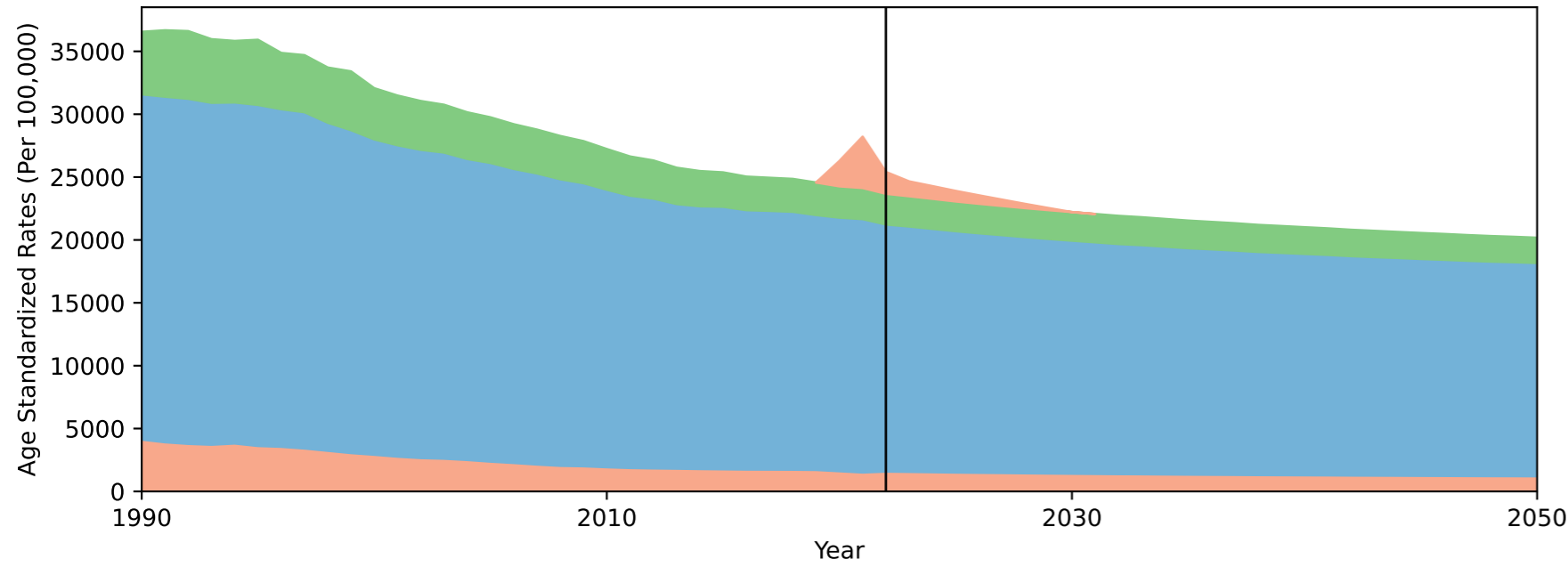
Supplemental Results Figure S4. Age-standardised DALY rates and all age DALY counts and by Level 1 and Level 2 causes, 1990–2050

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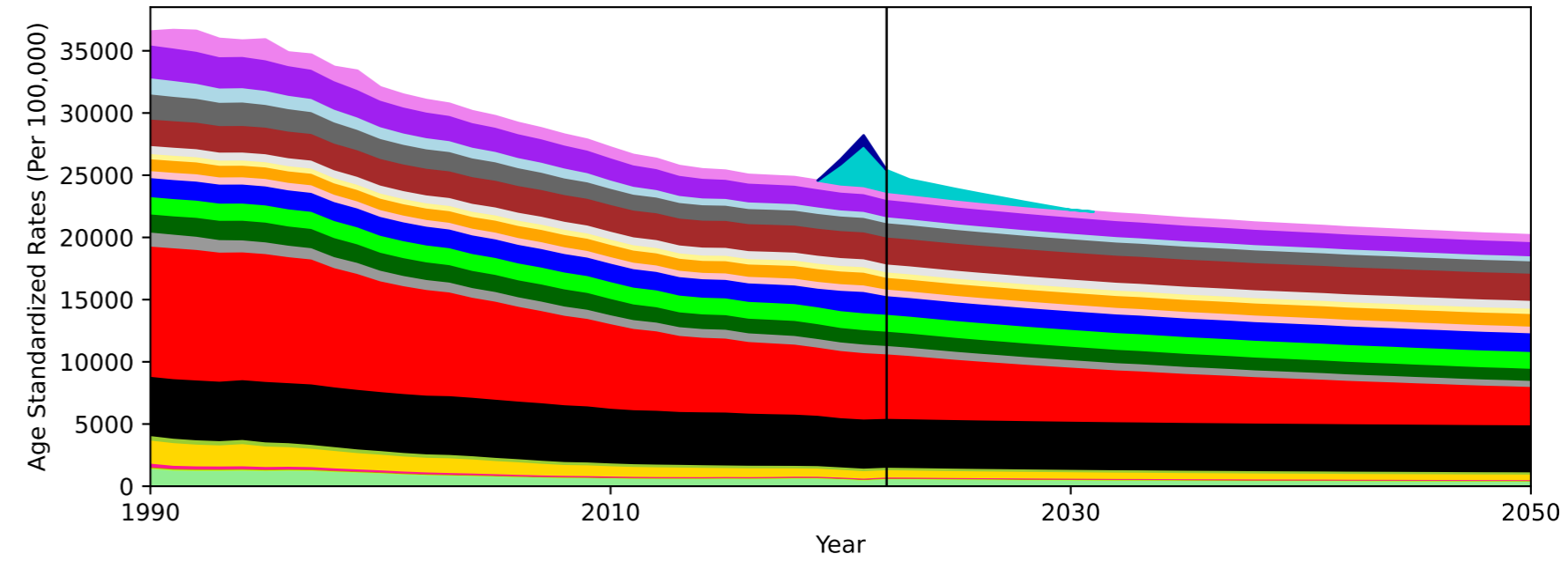


# Central Europe

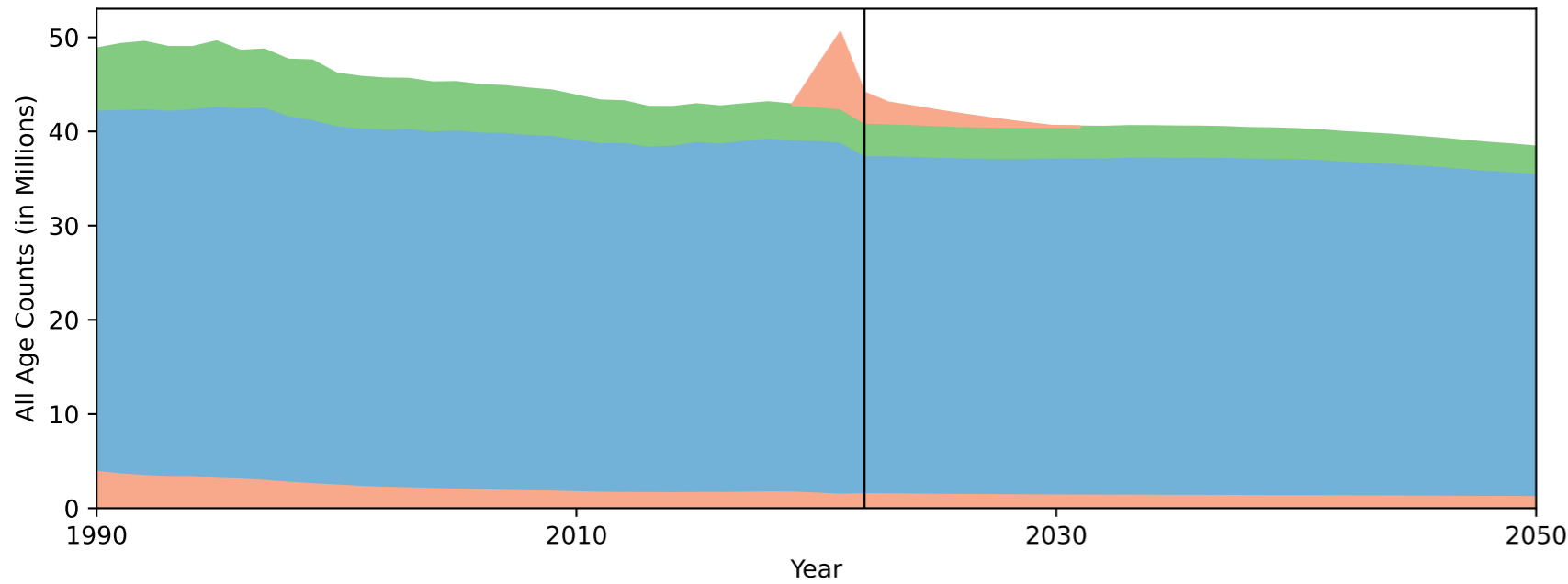
Level 1



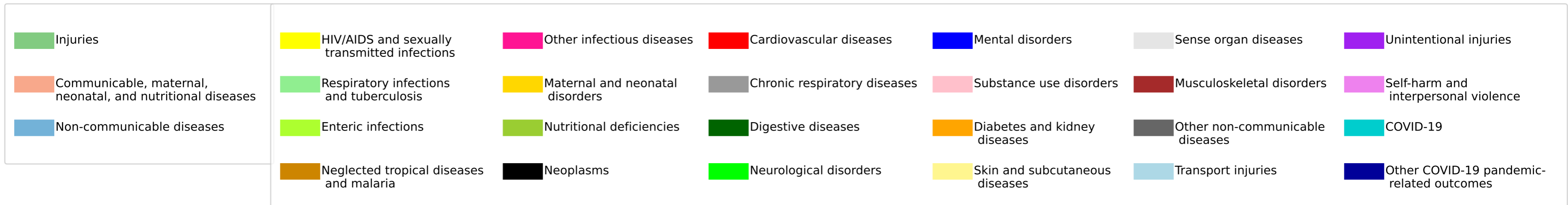
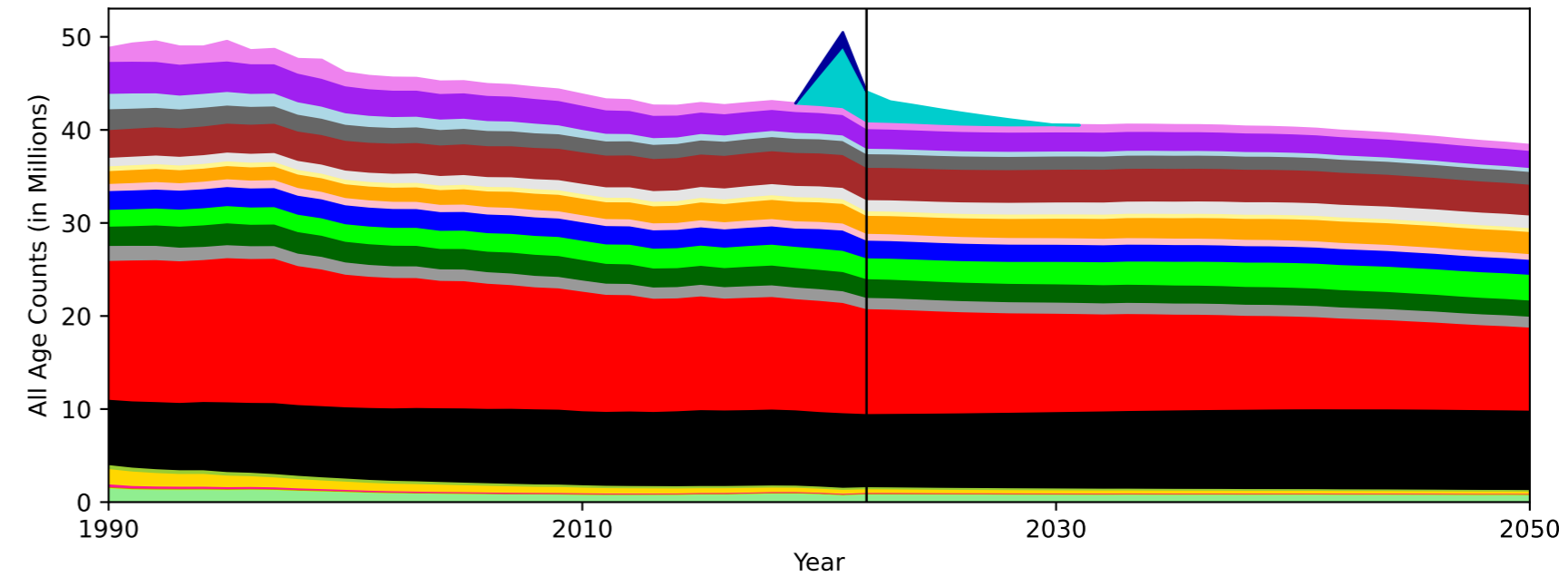
Level 2



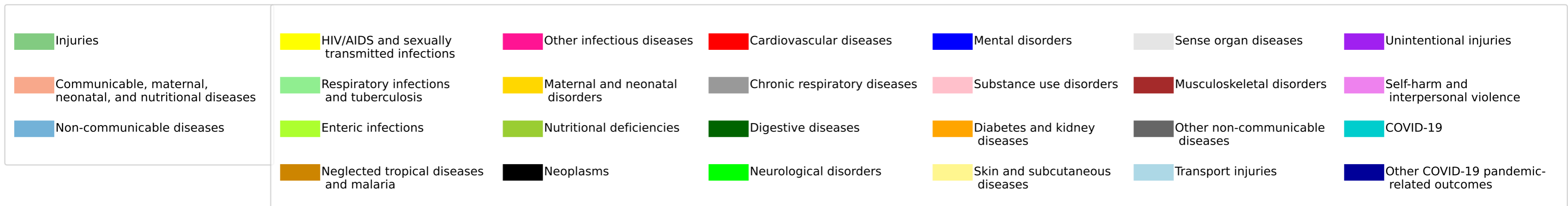
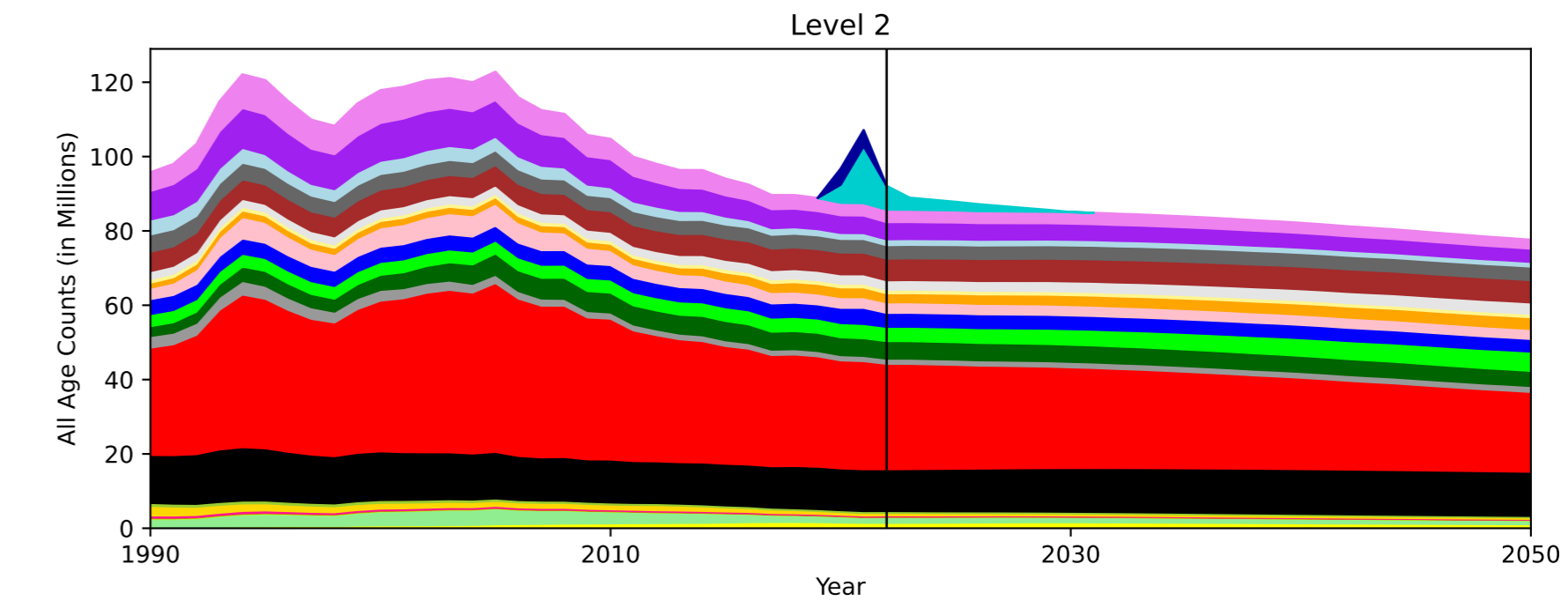
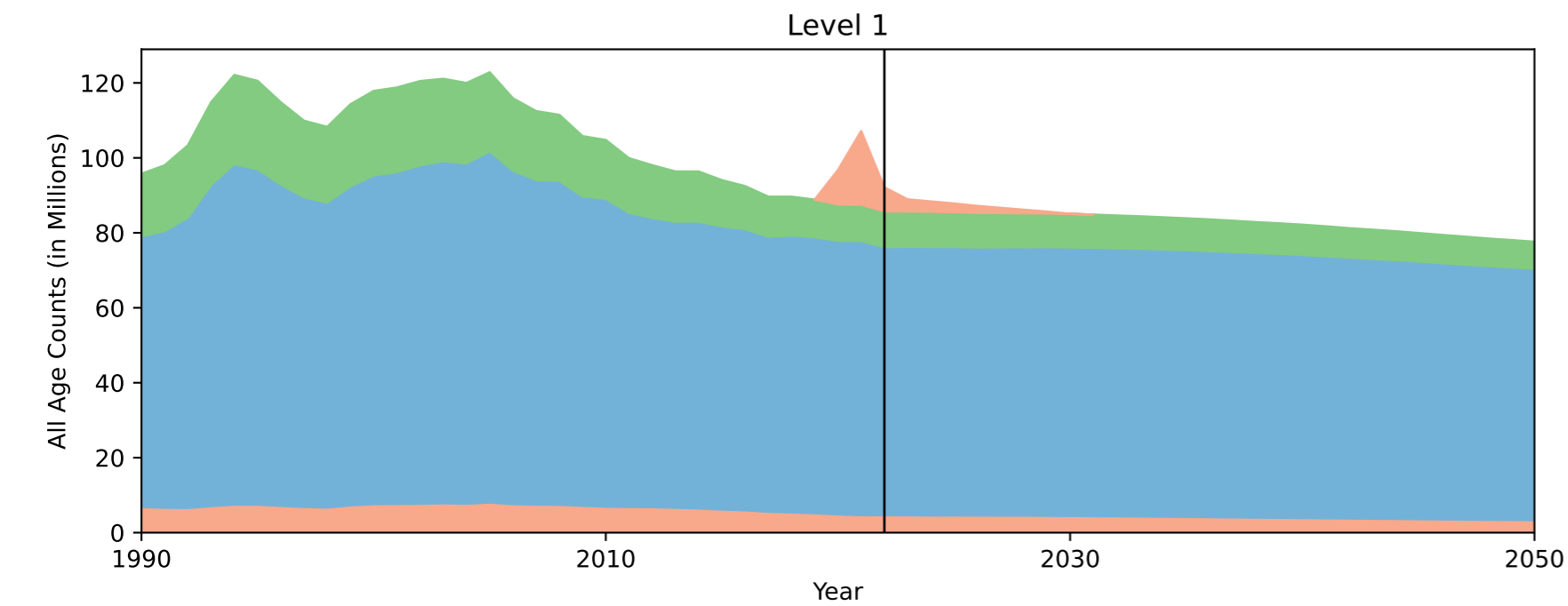
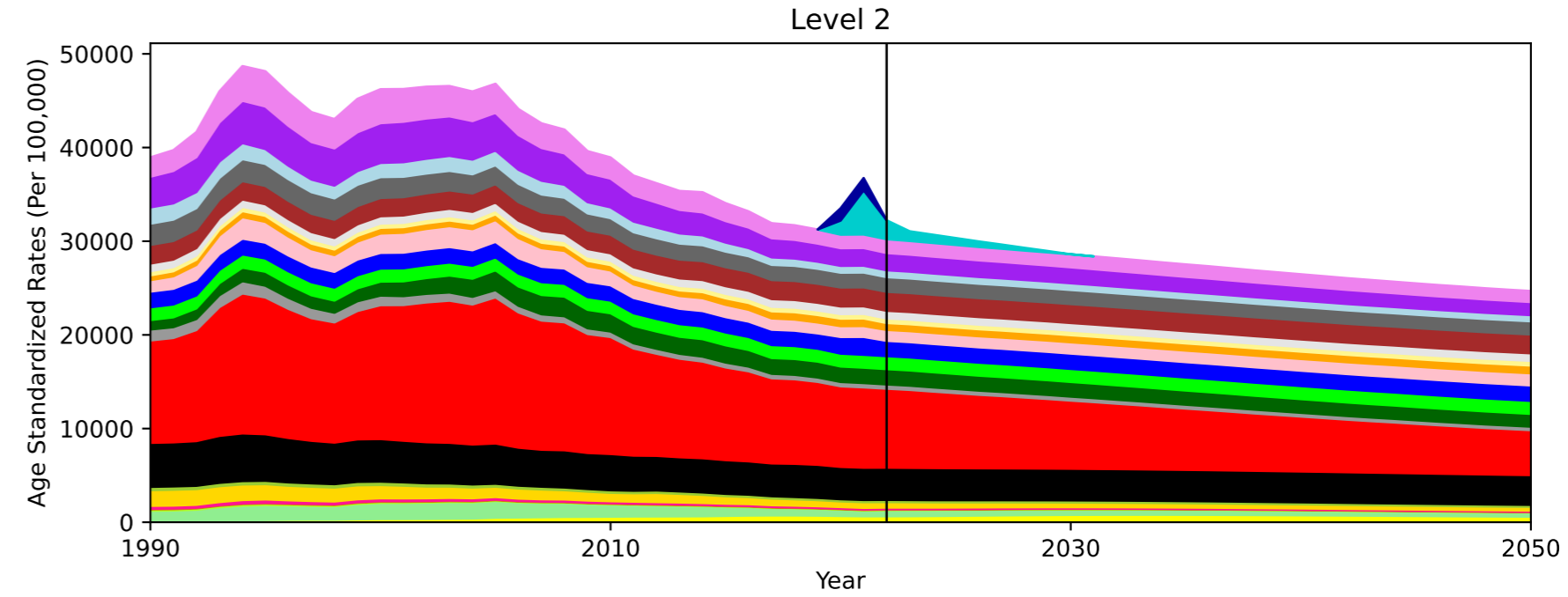
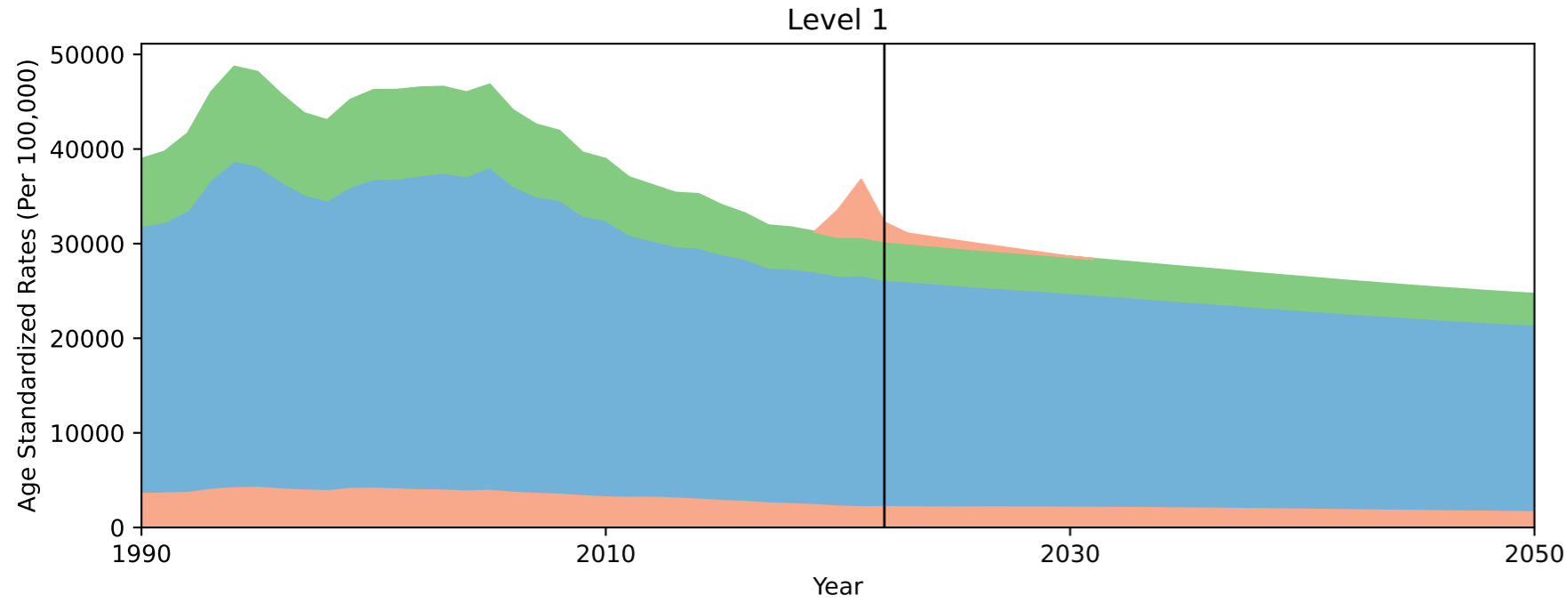
Level 1



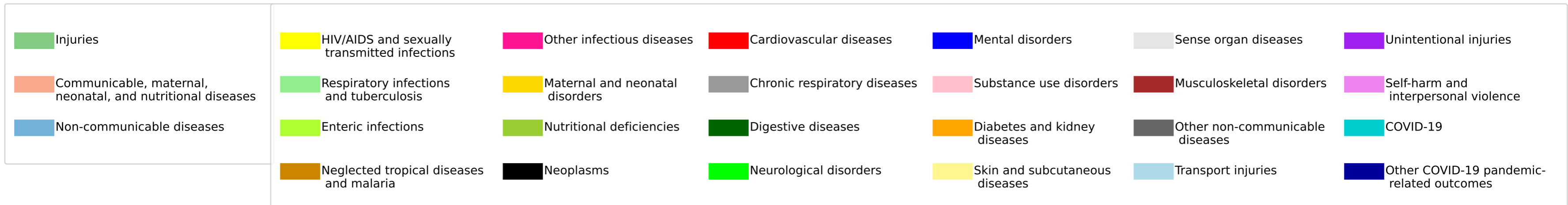
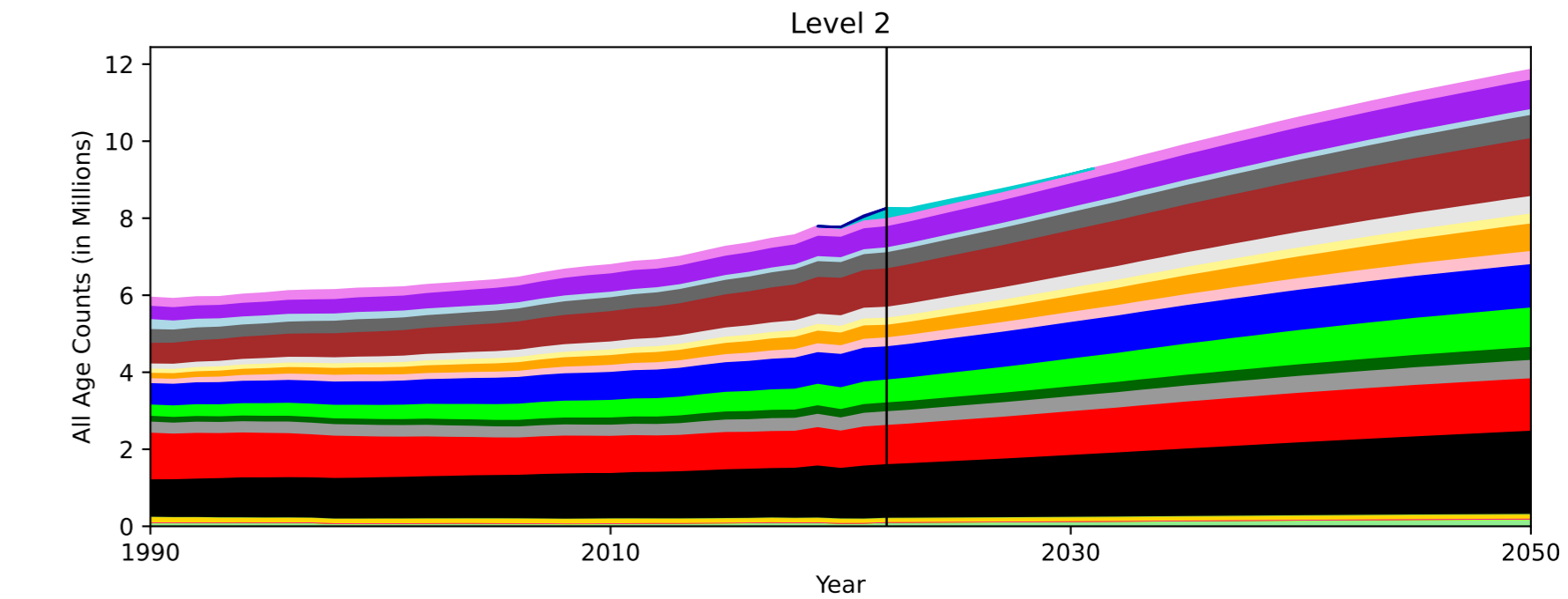
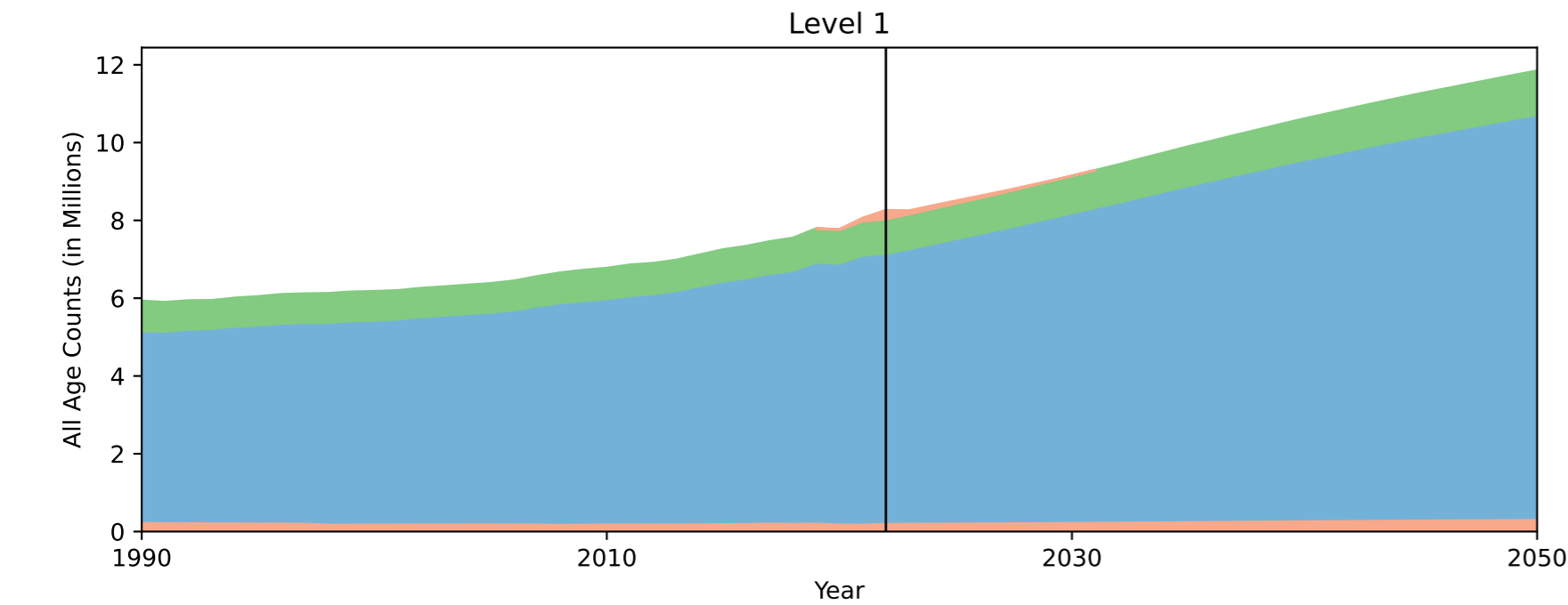
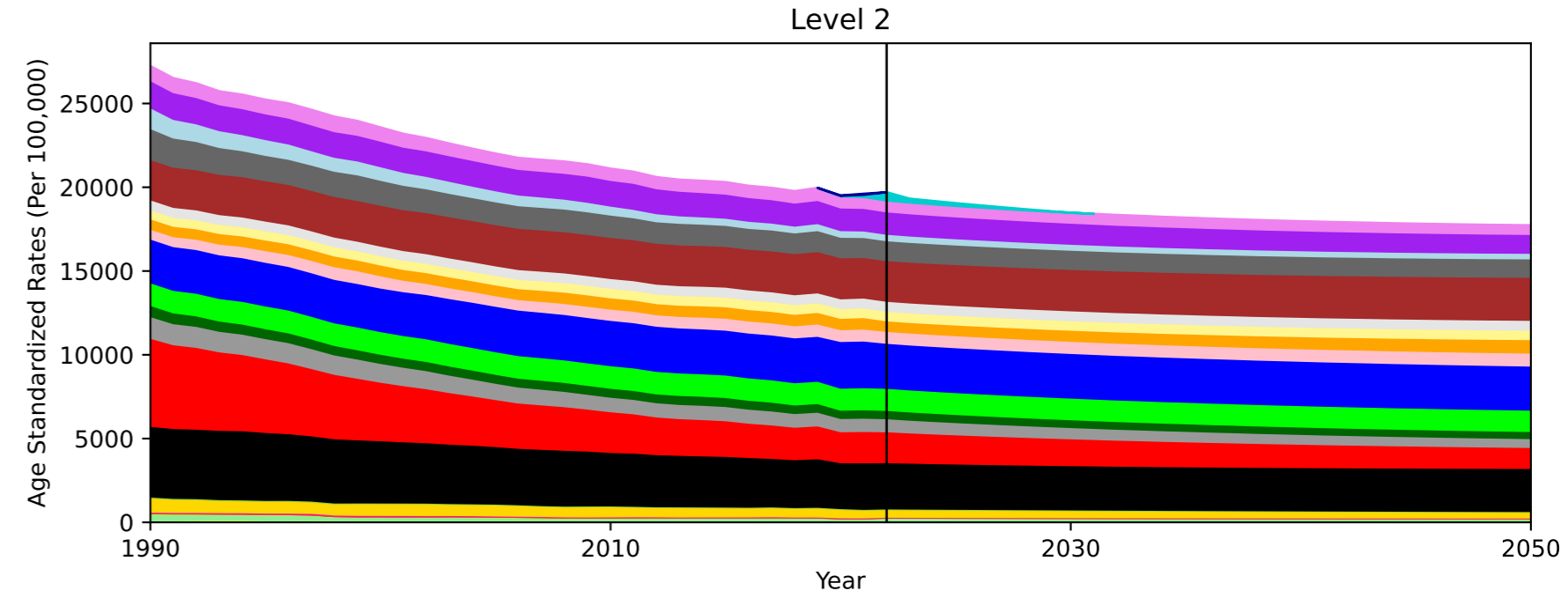
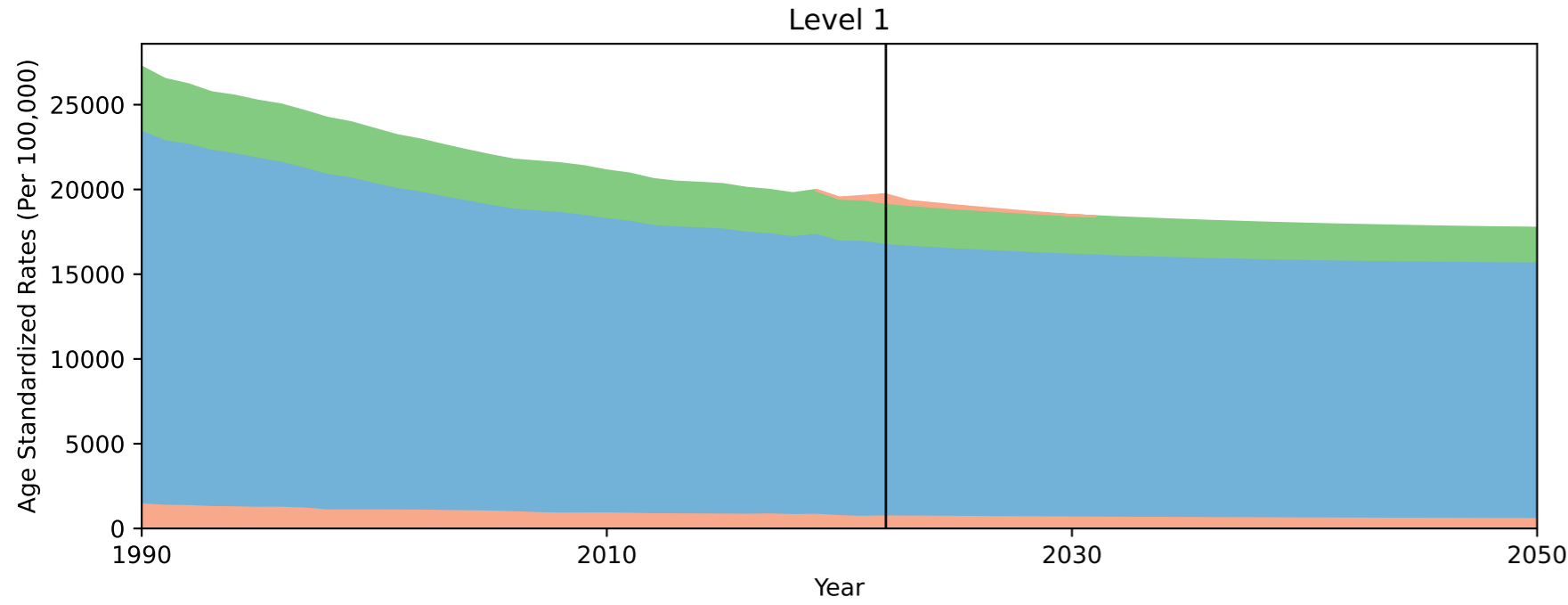
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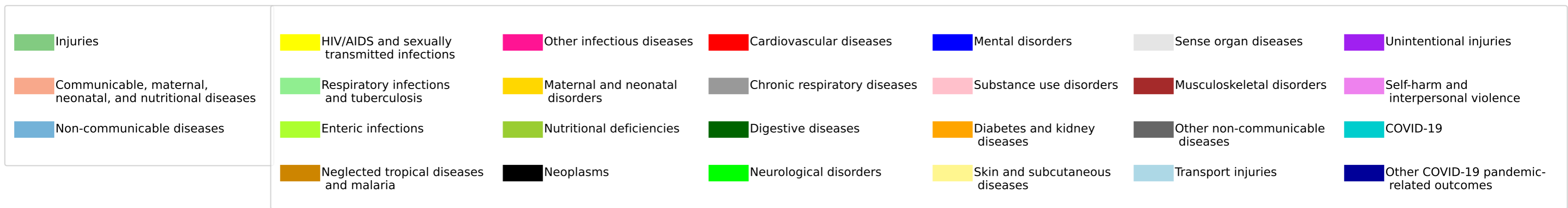
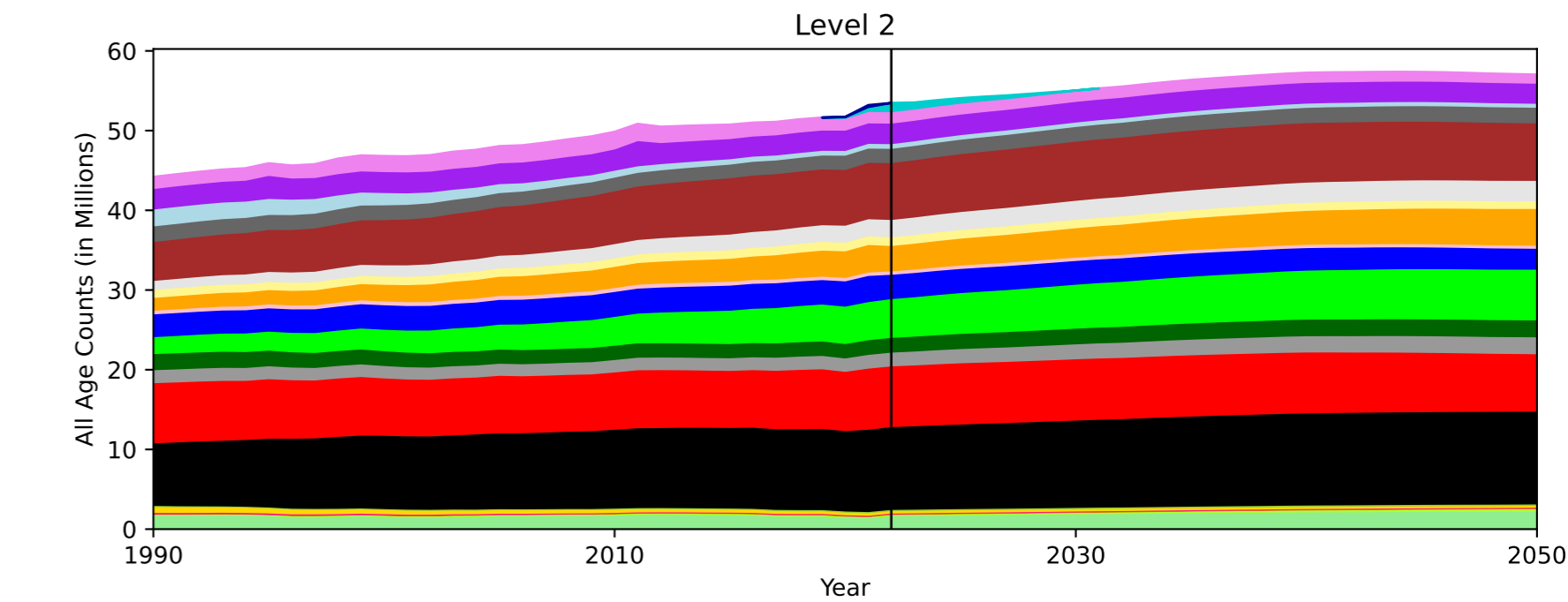
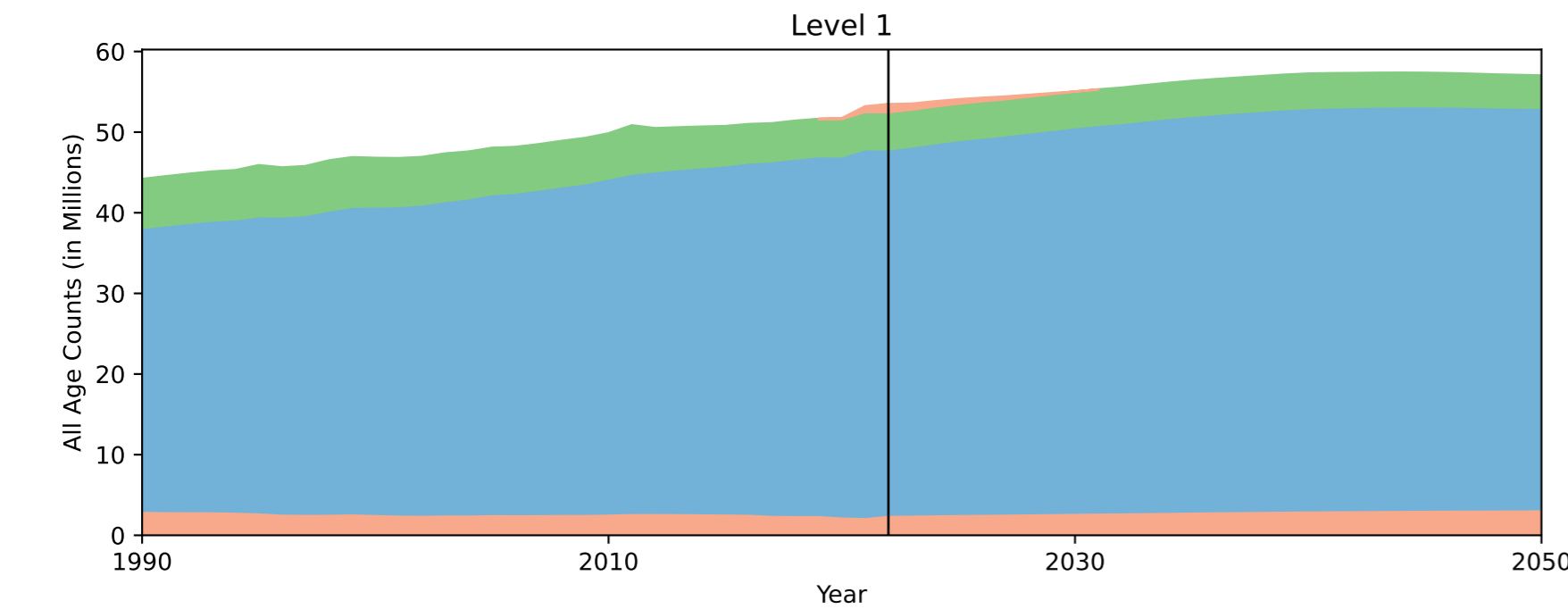
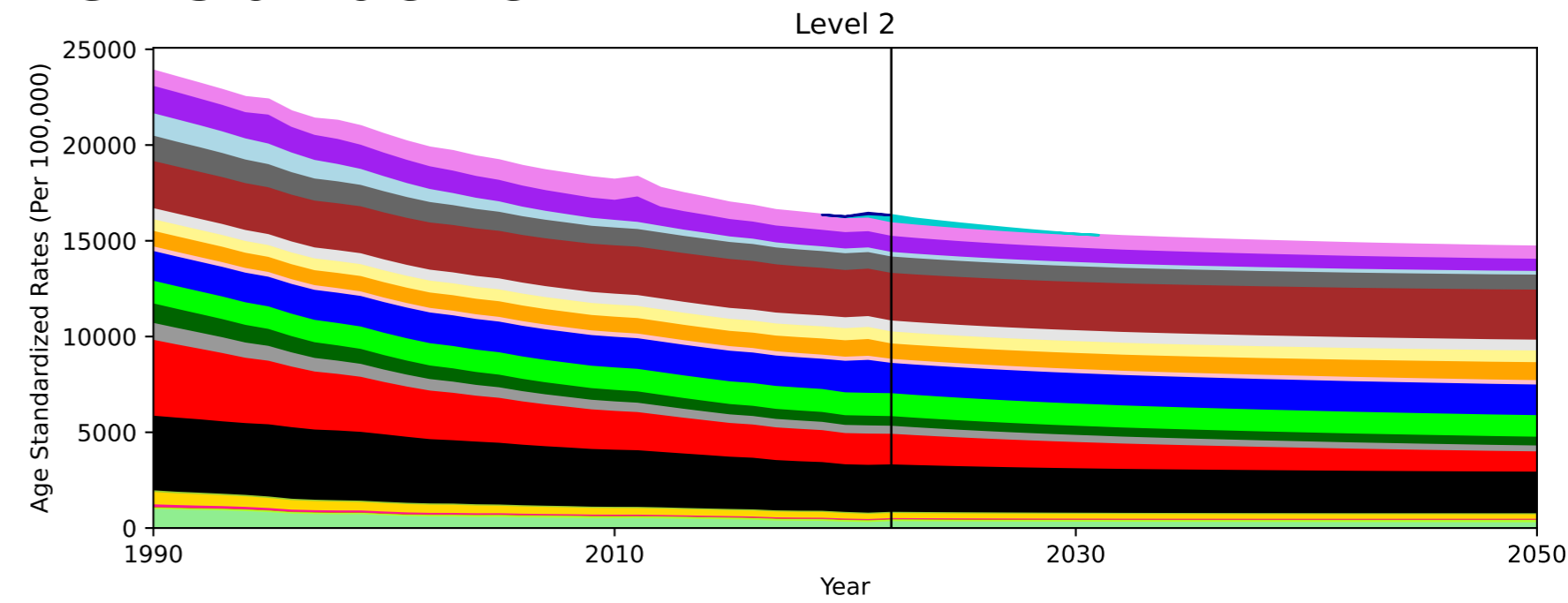
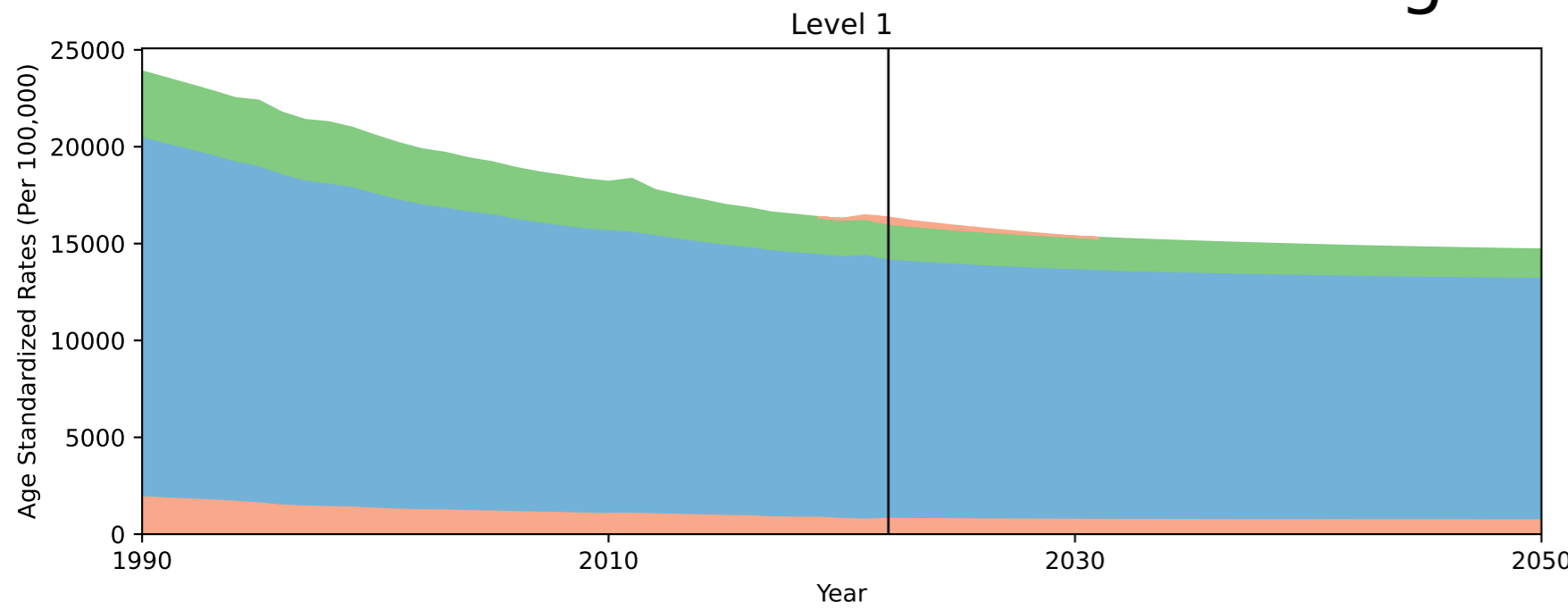
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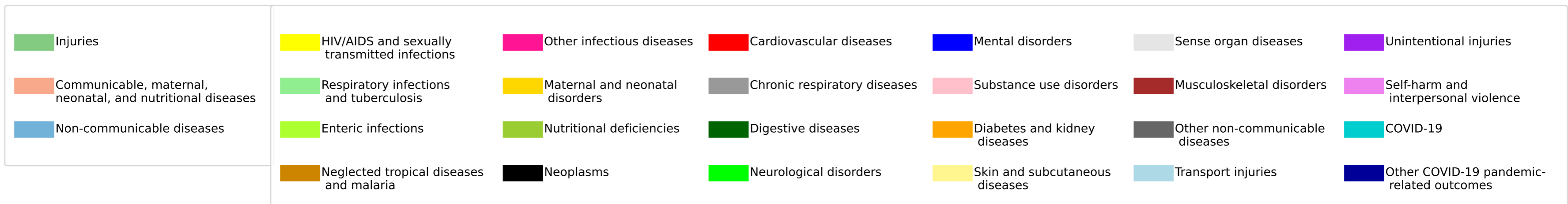
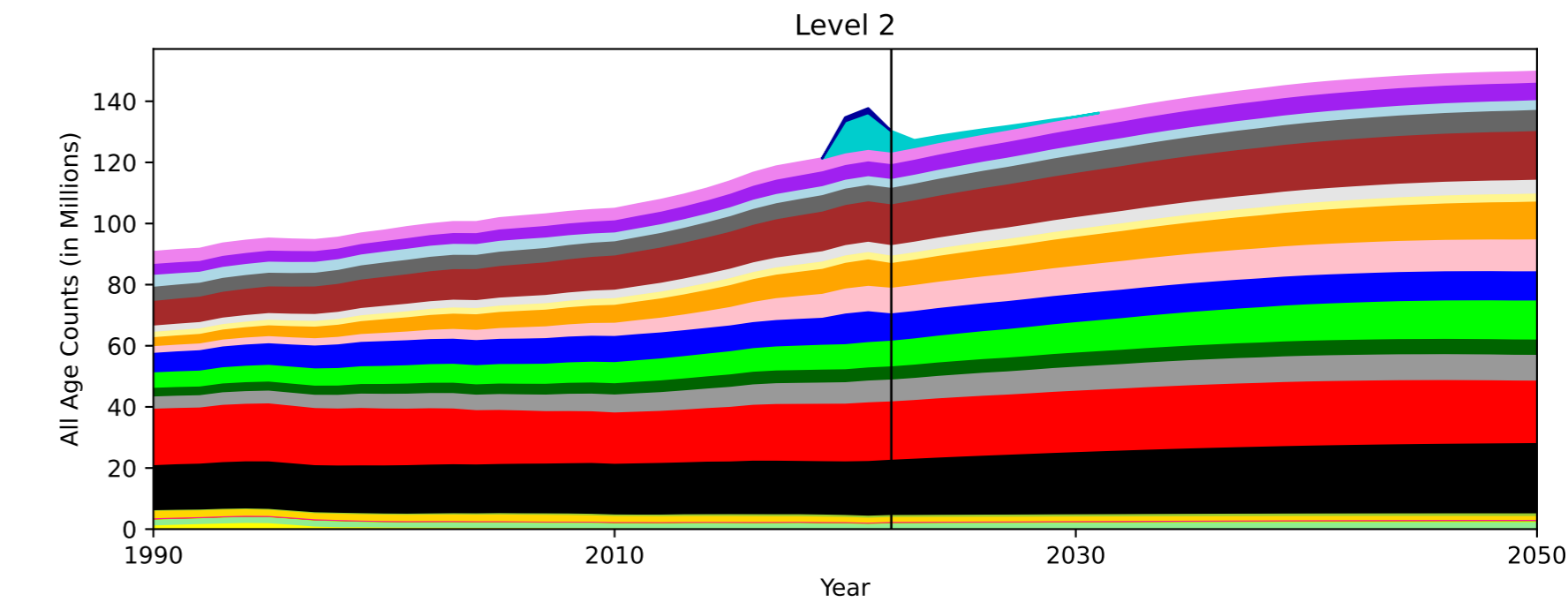
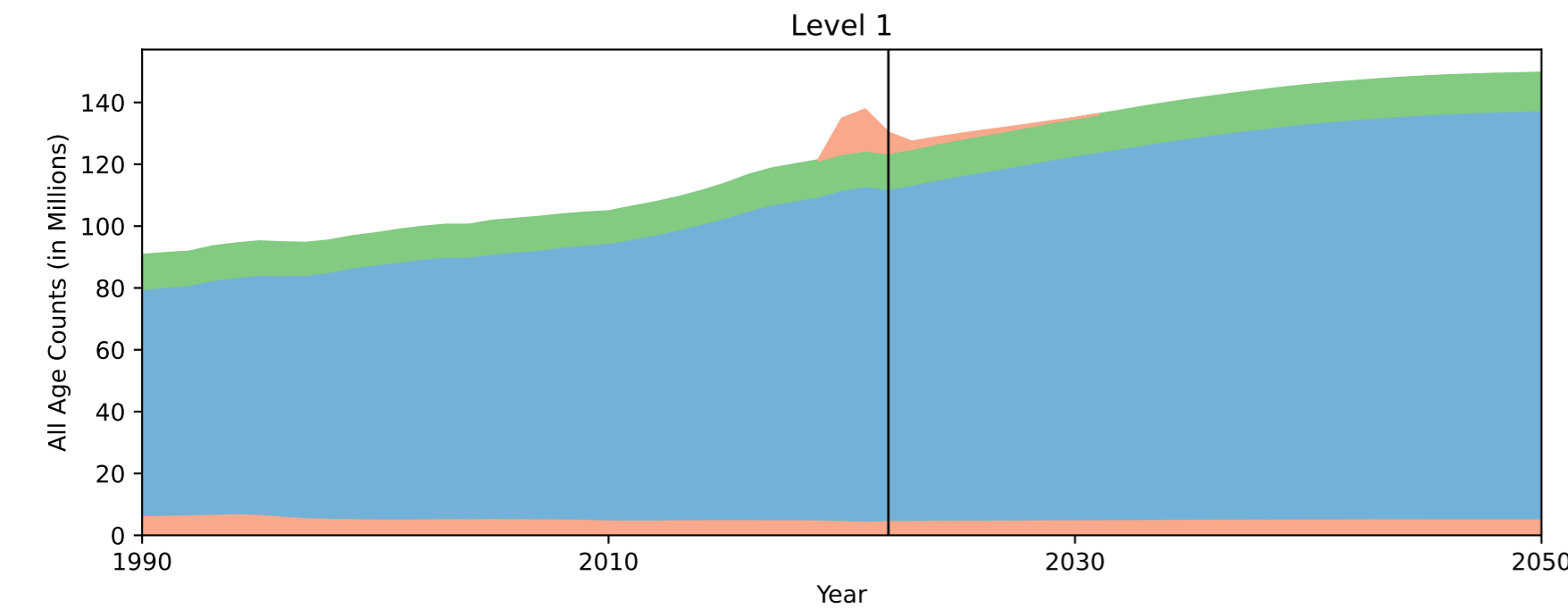
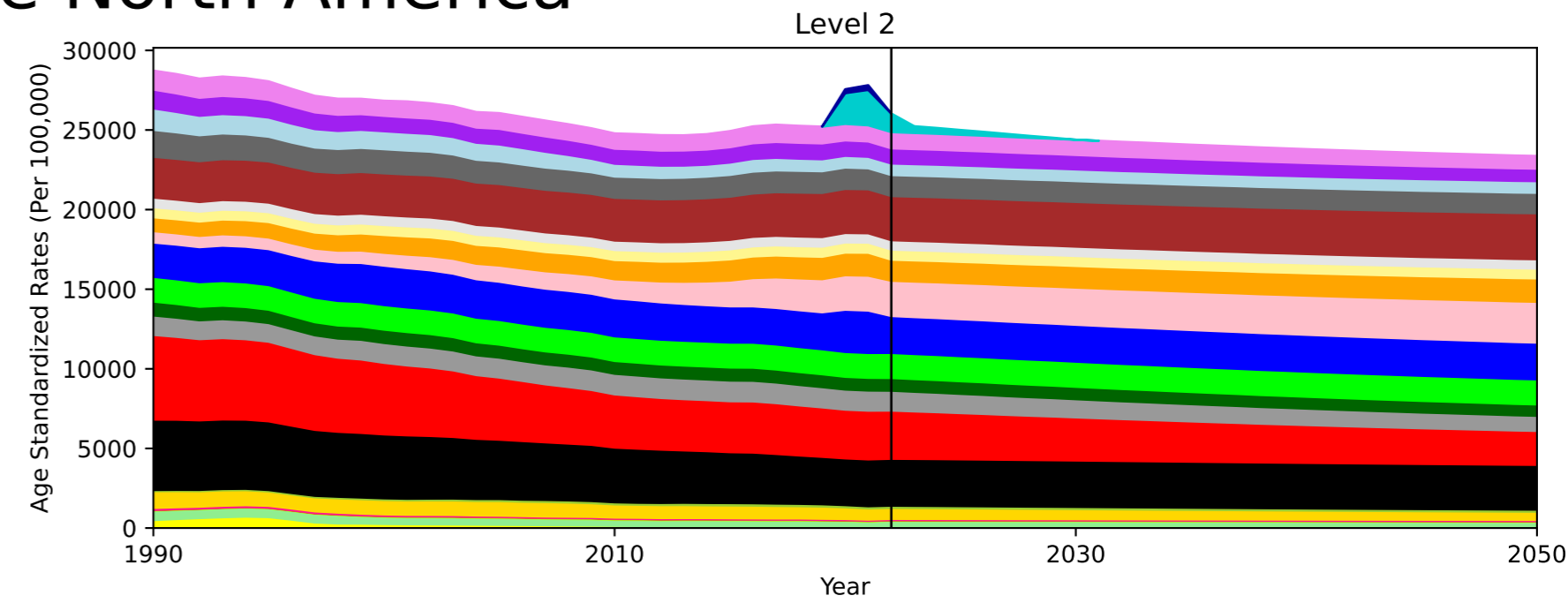
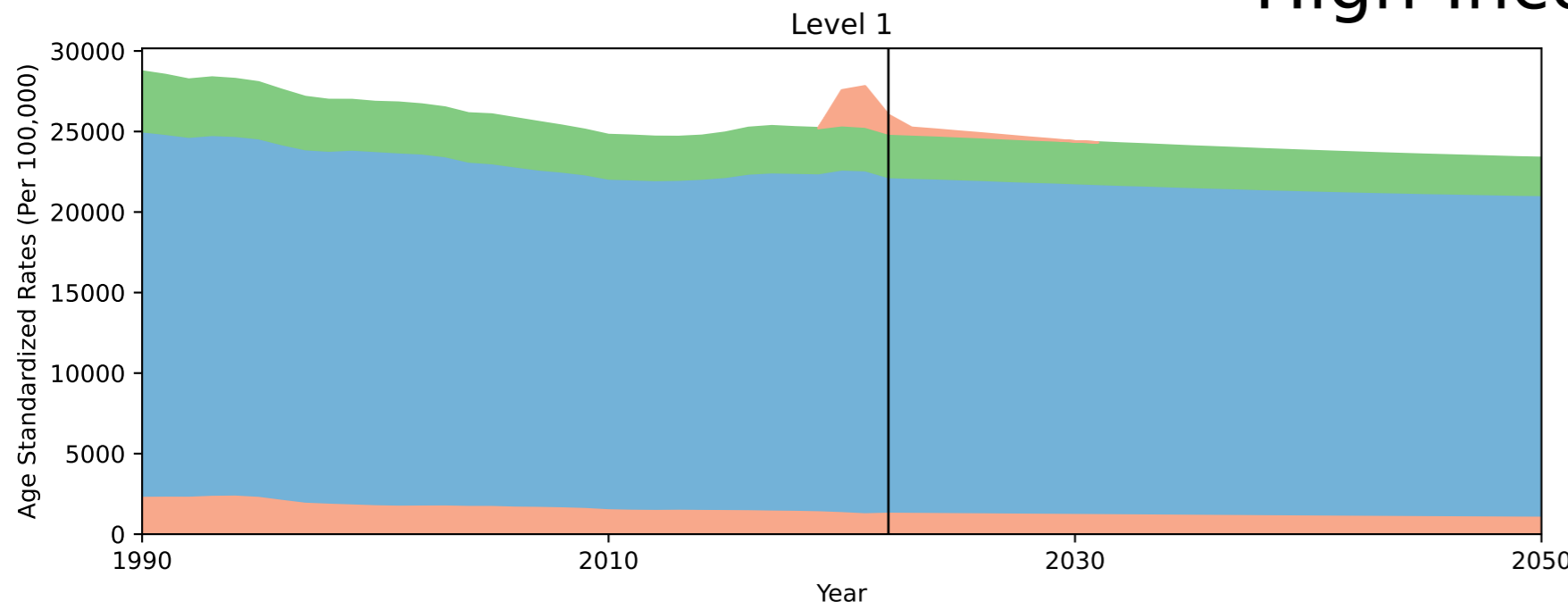
# Australasia



# High-Income Asia Pacific



# High-Income North America

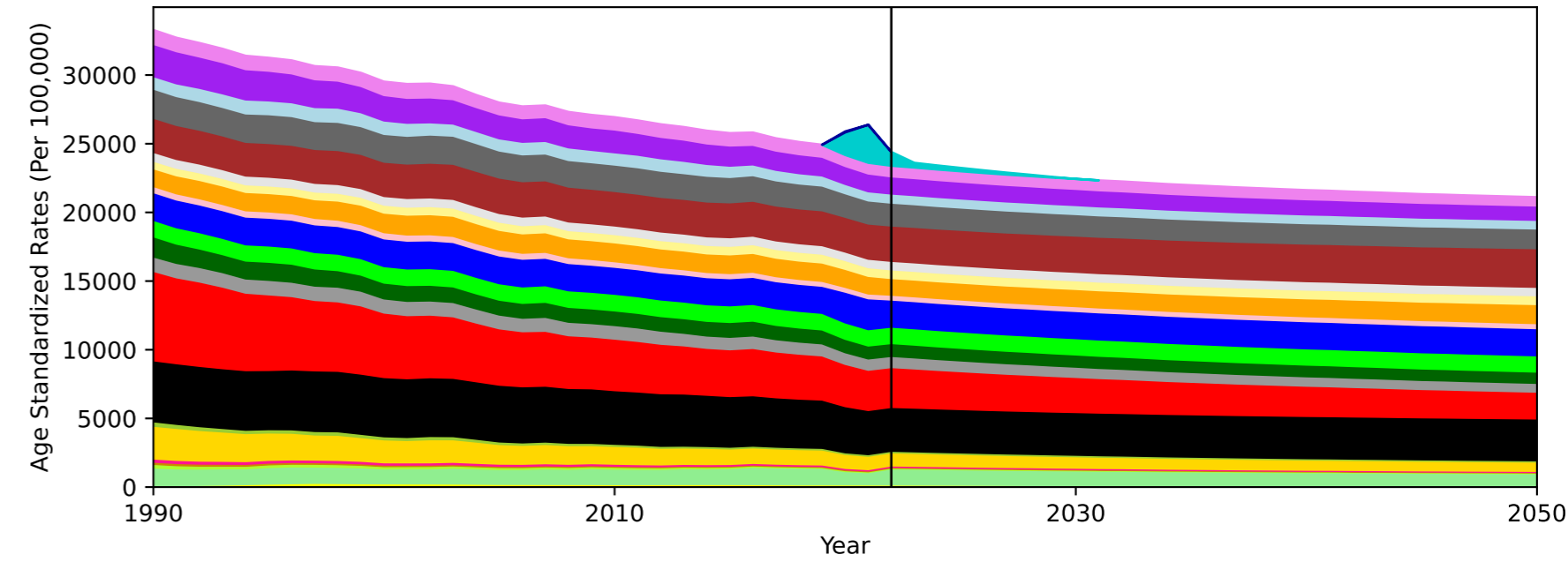


# Southern Latin America

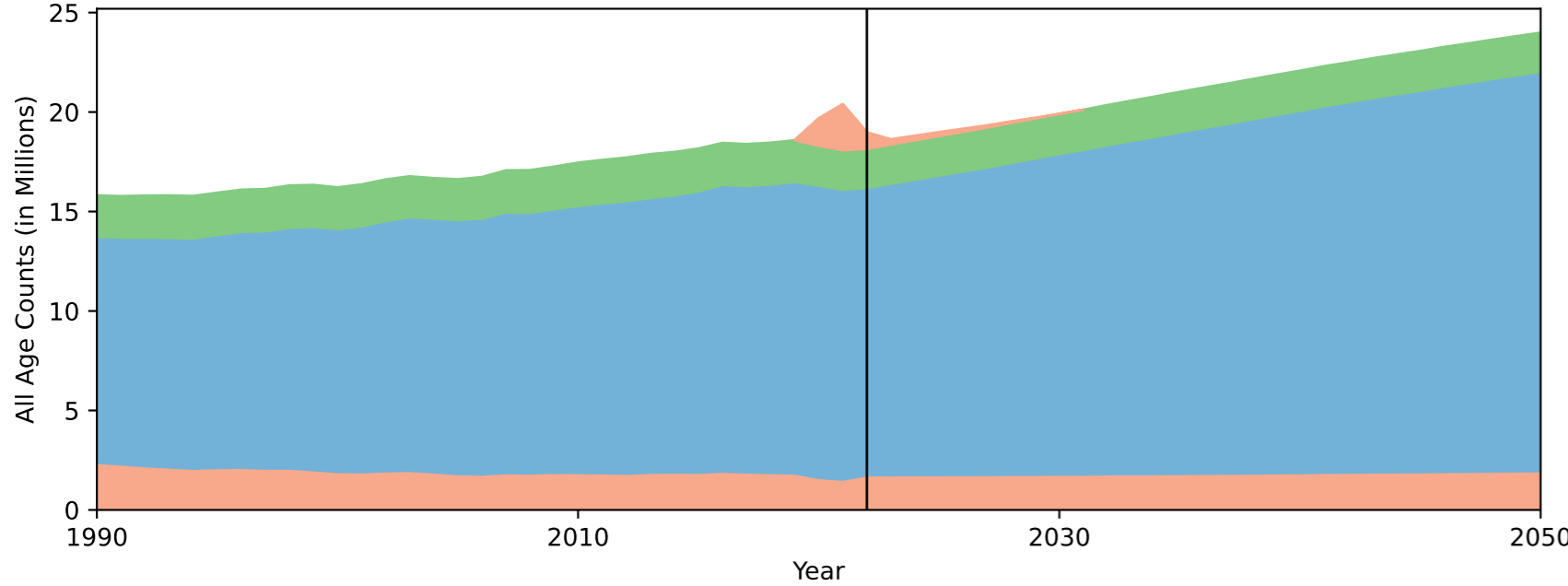
Level 1



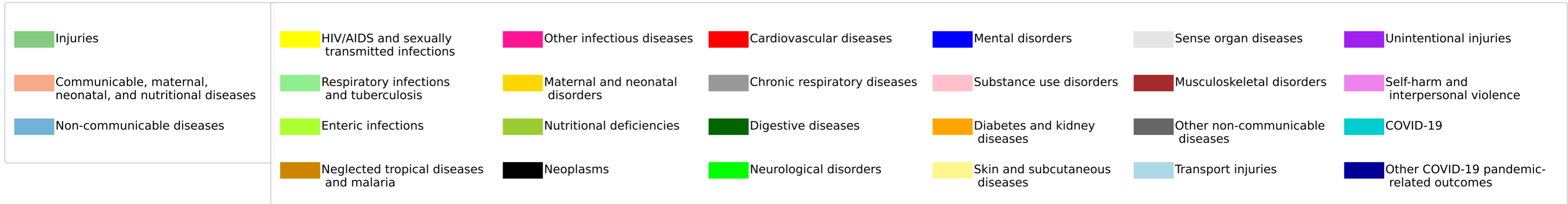
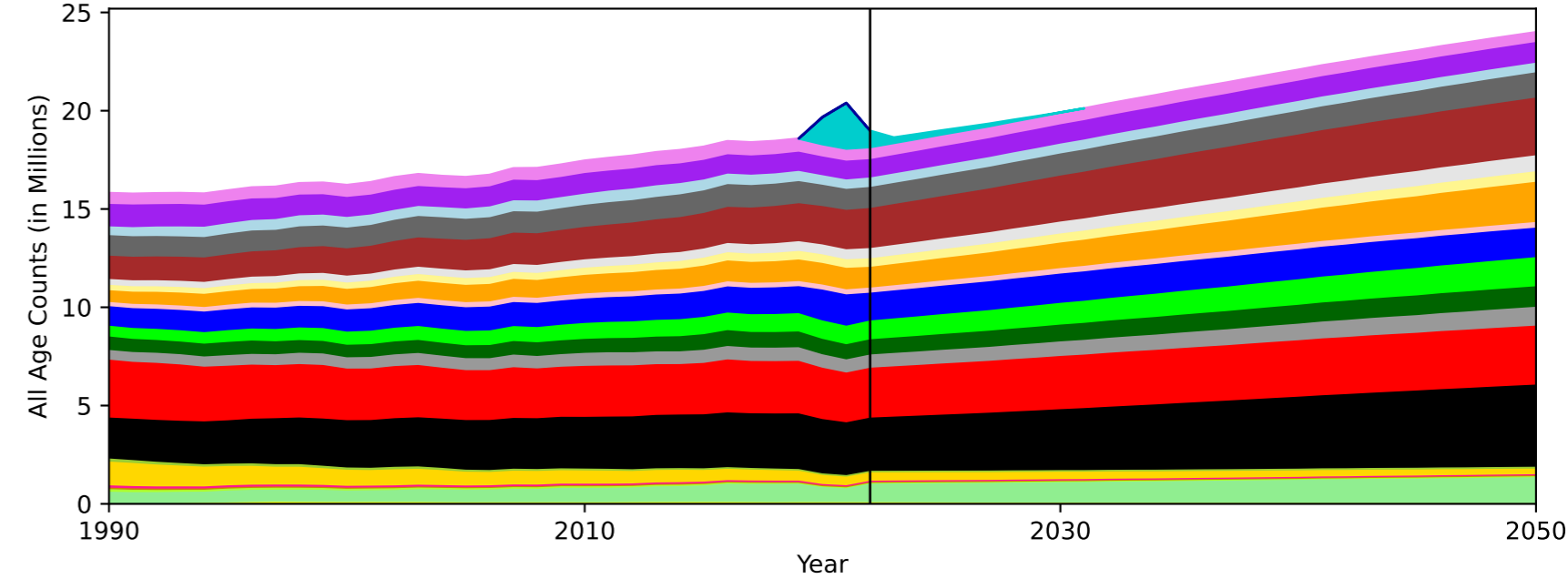
Level 2



Level 1

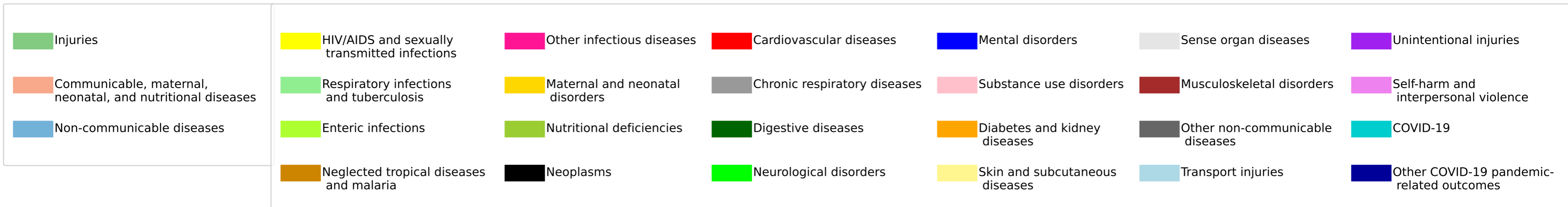
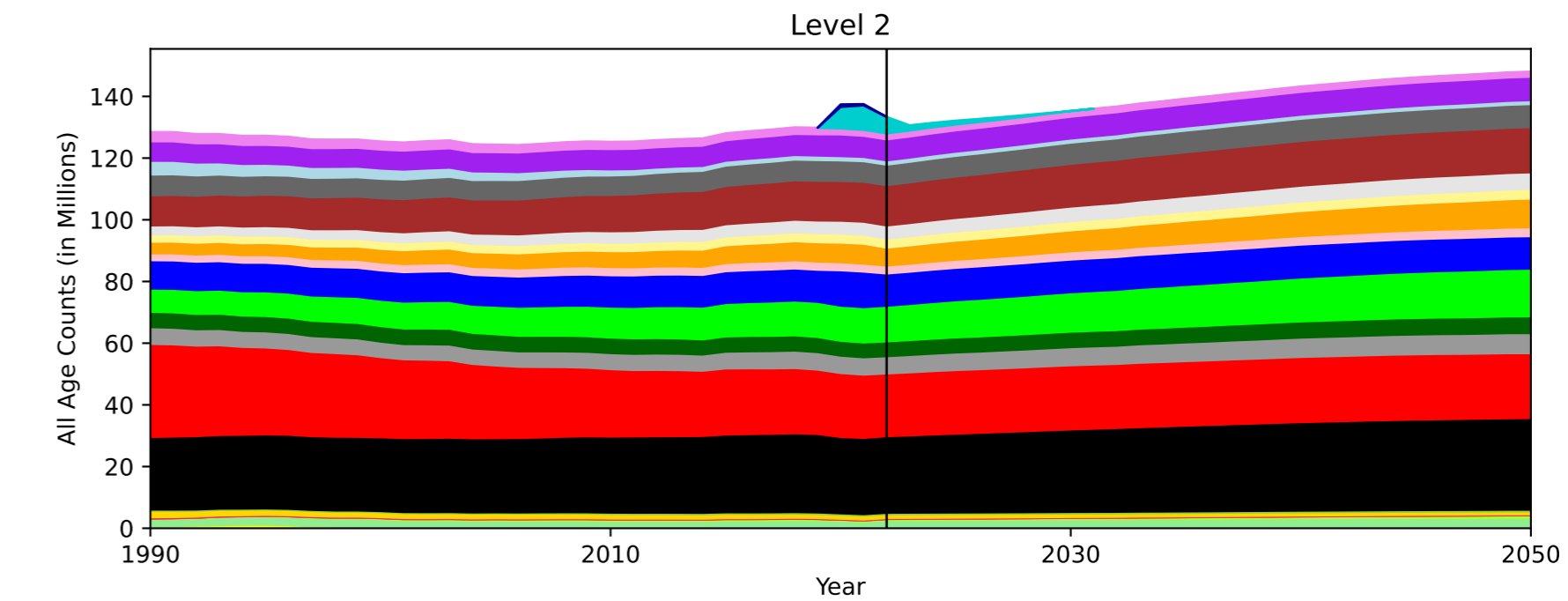
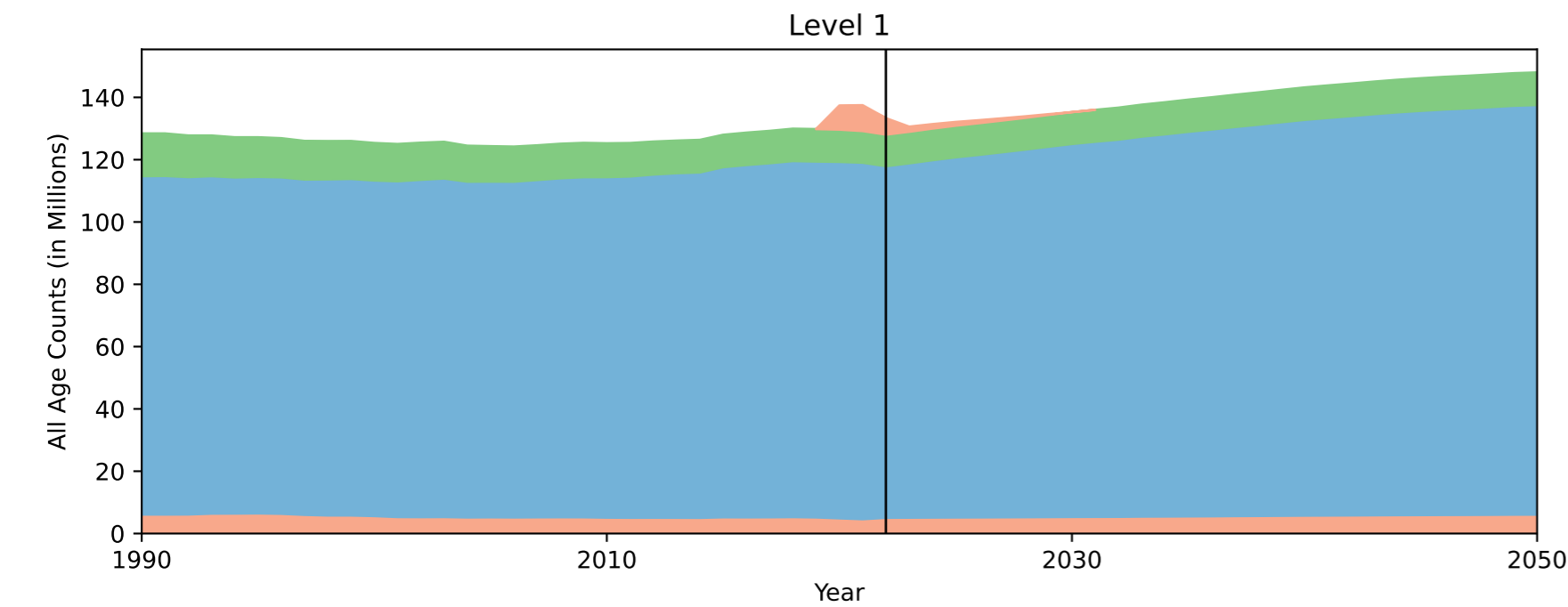
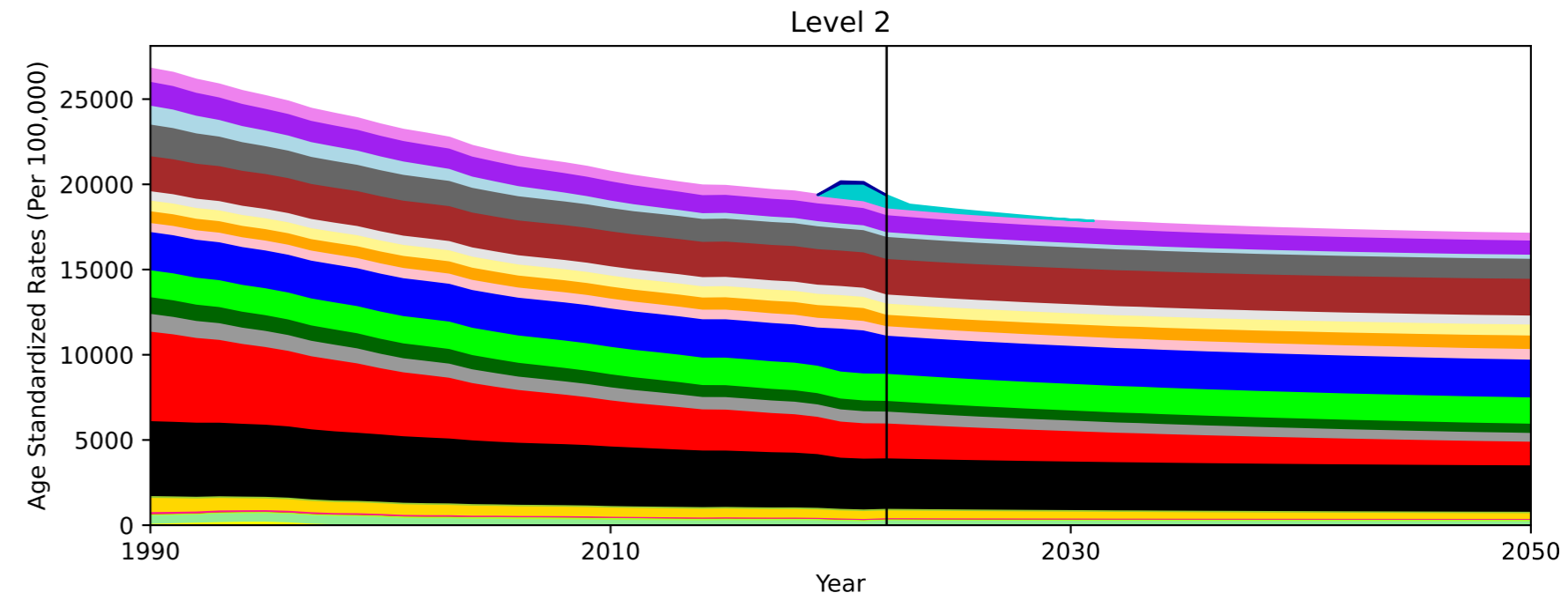
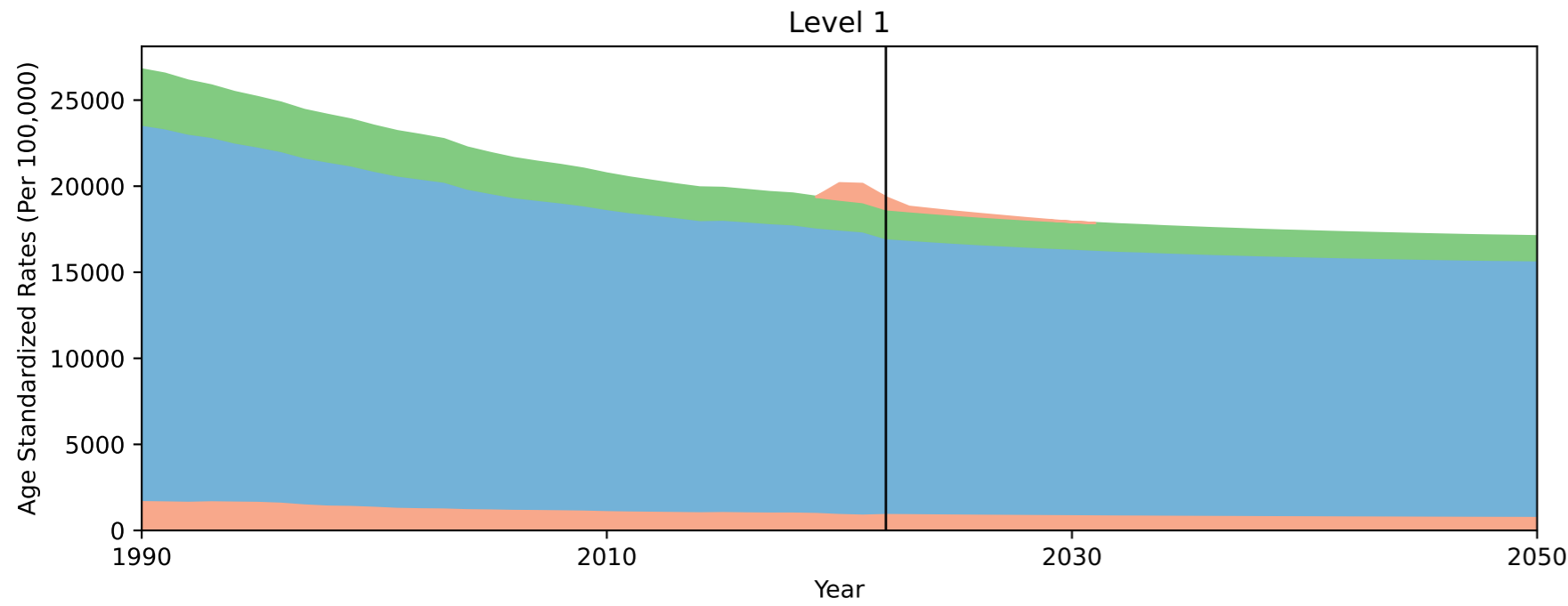


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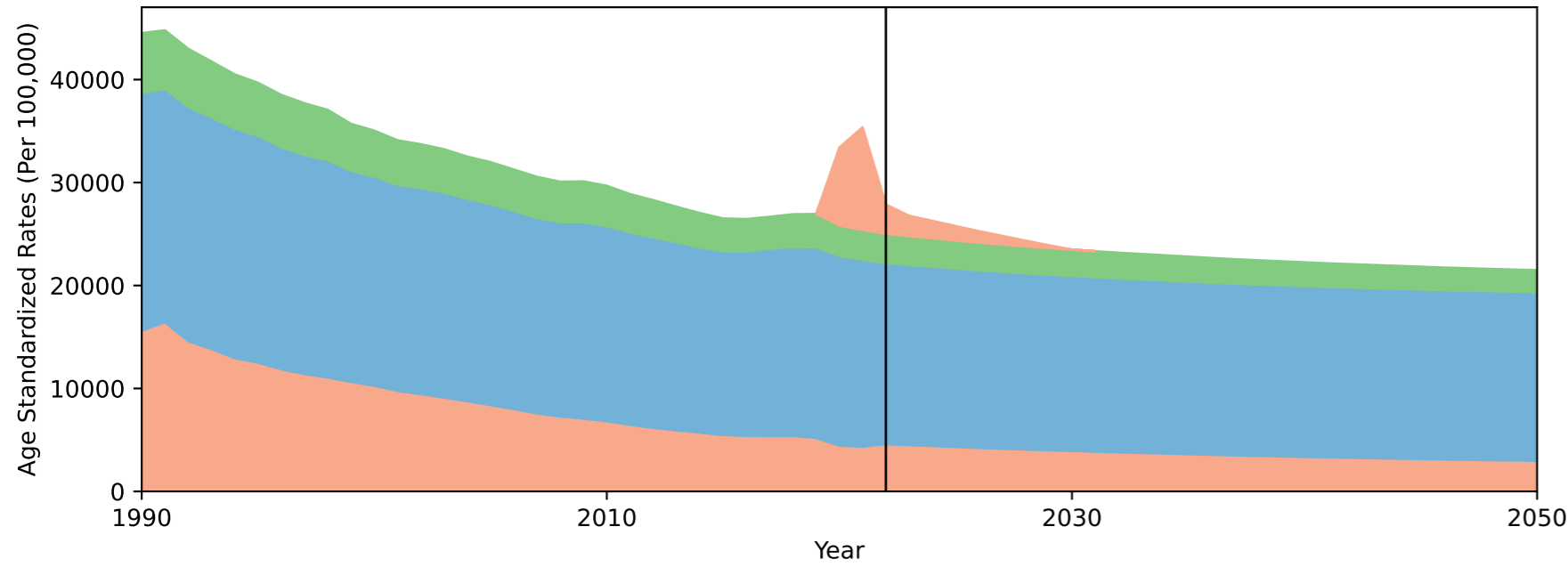


# Western Europe

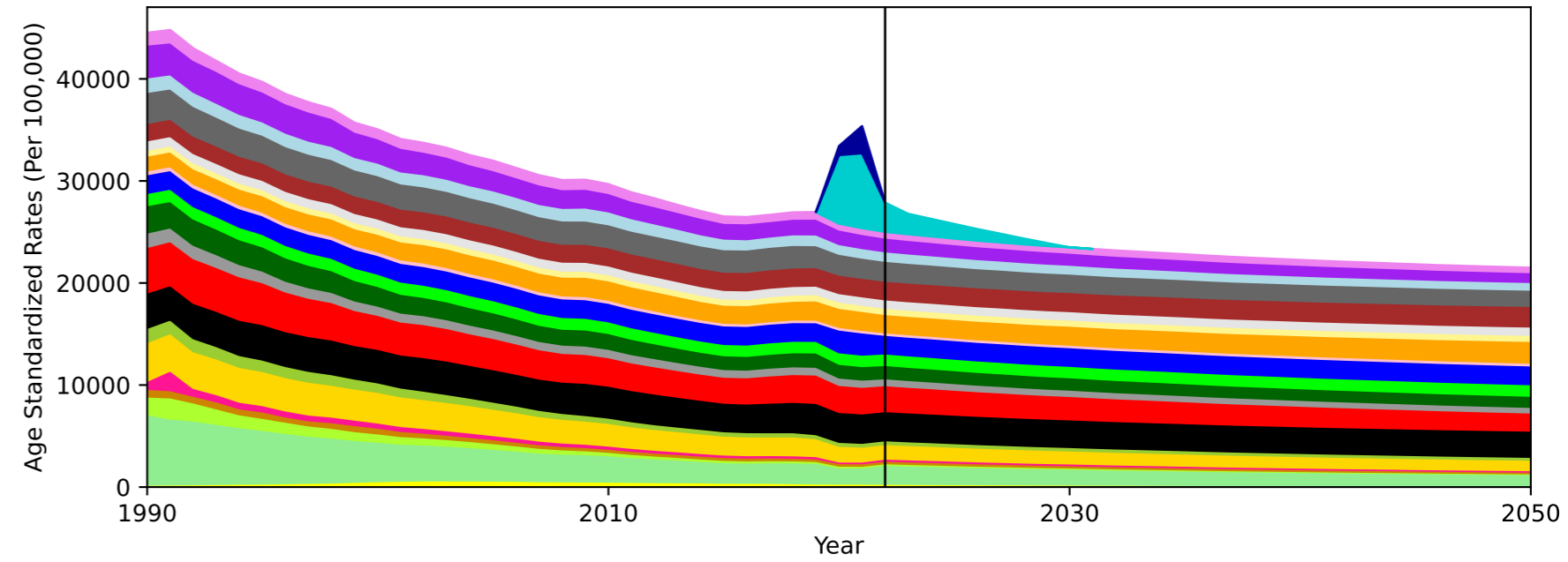


# Andean Latin America

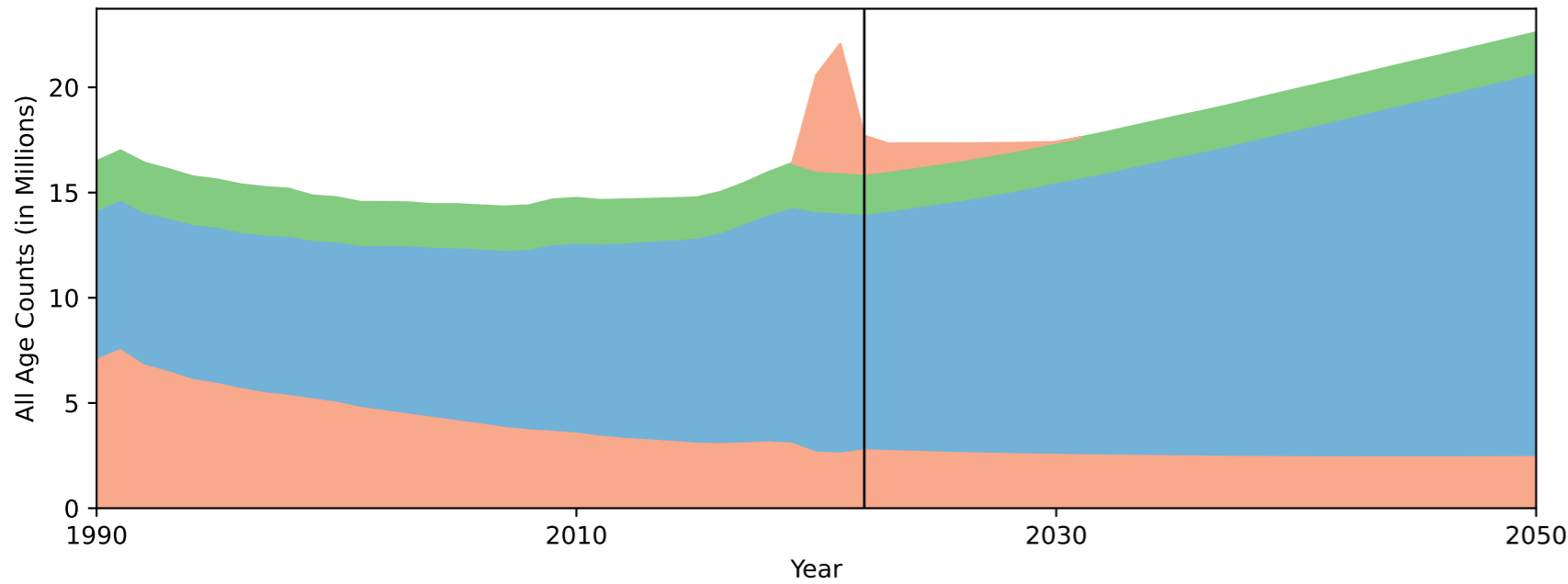
Level 1



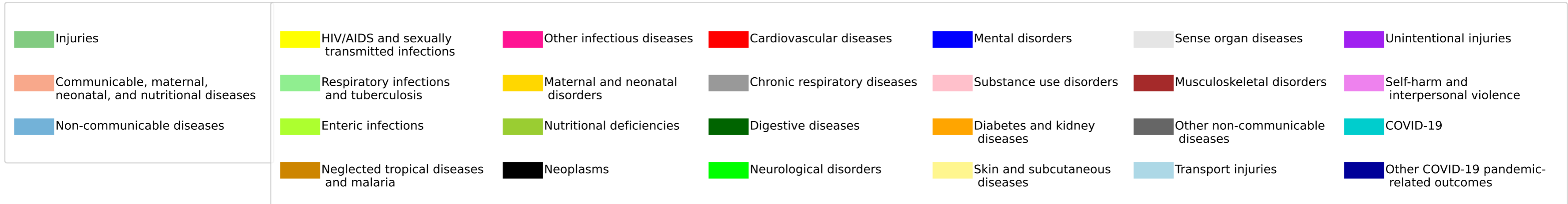
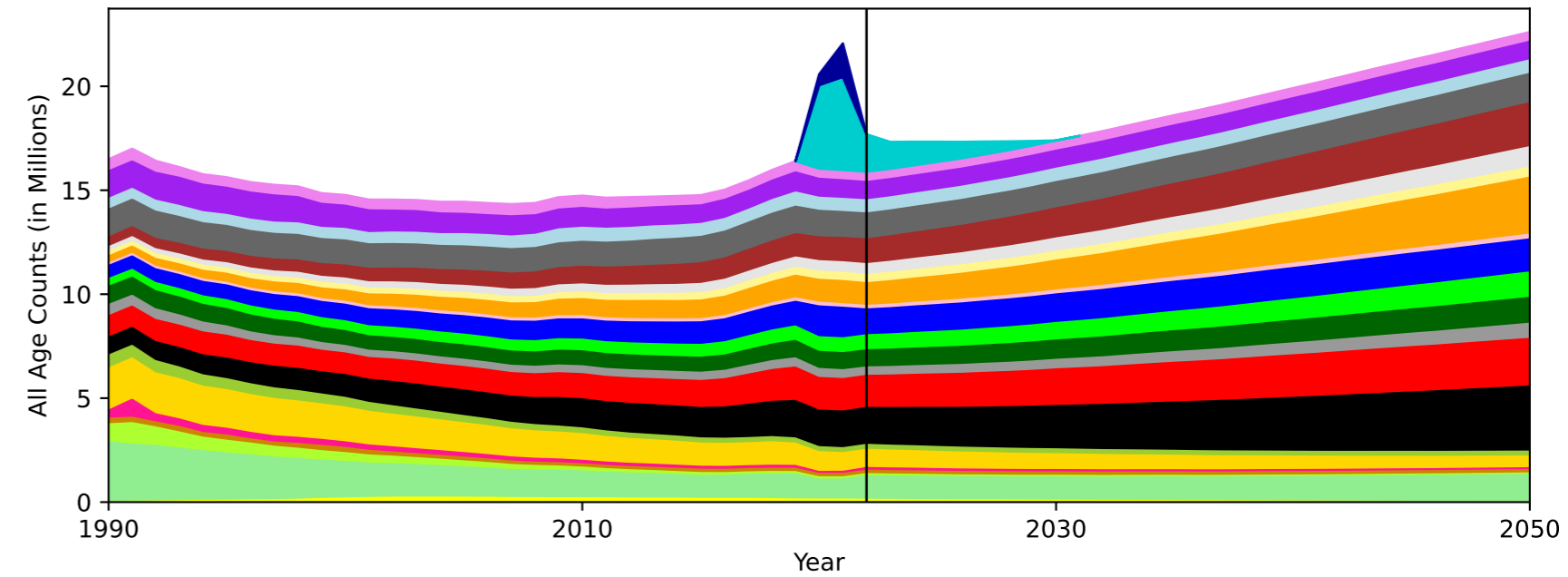
Level 2



Level 1

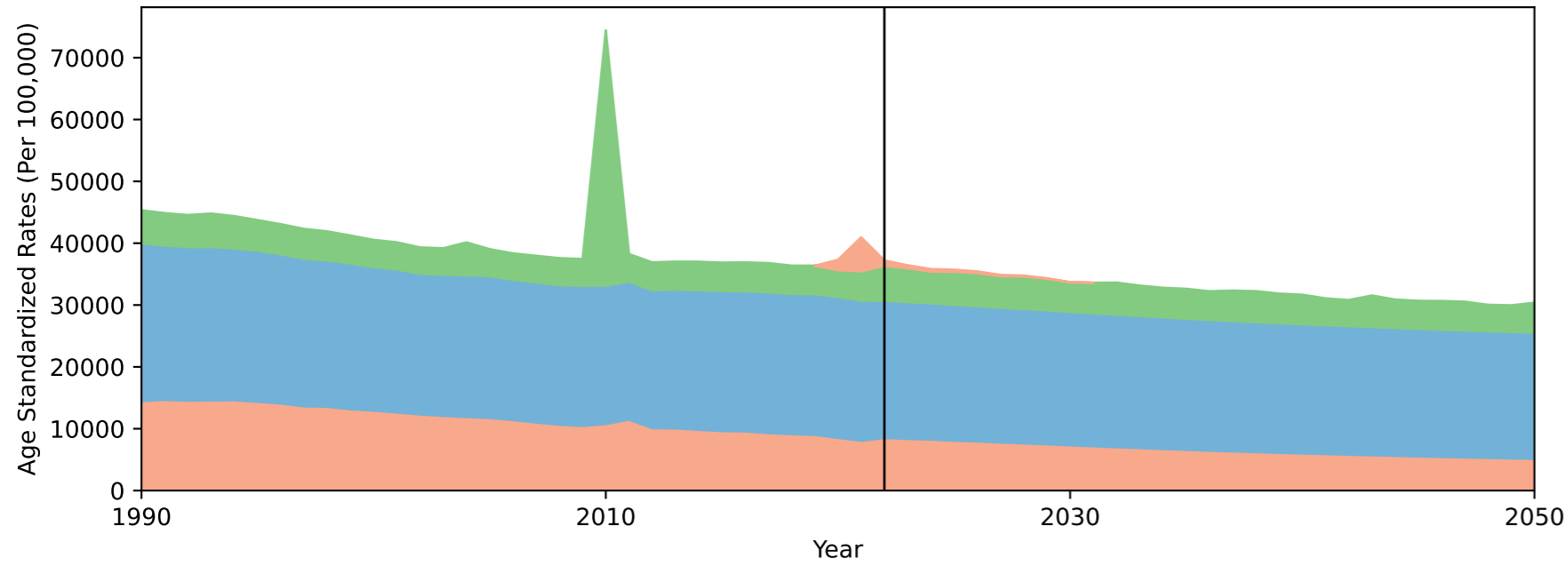


Level 2

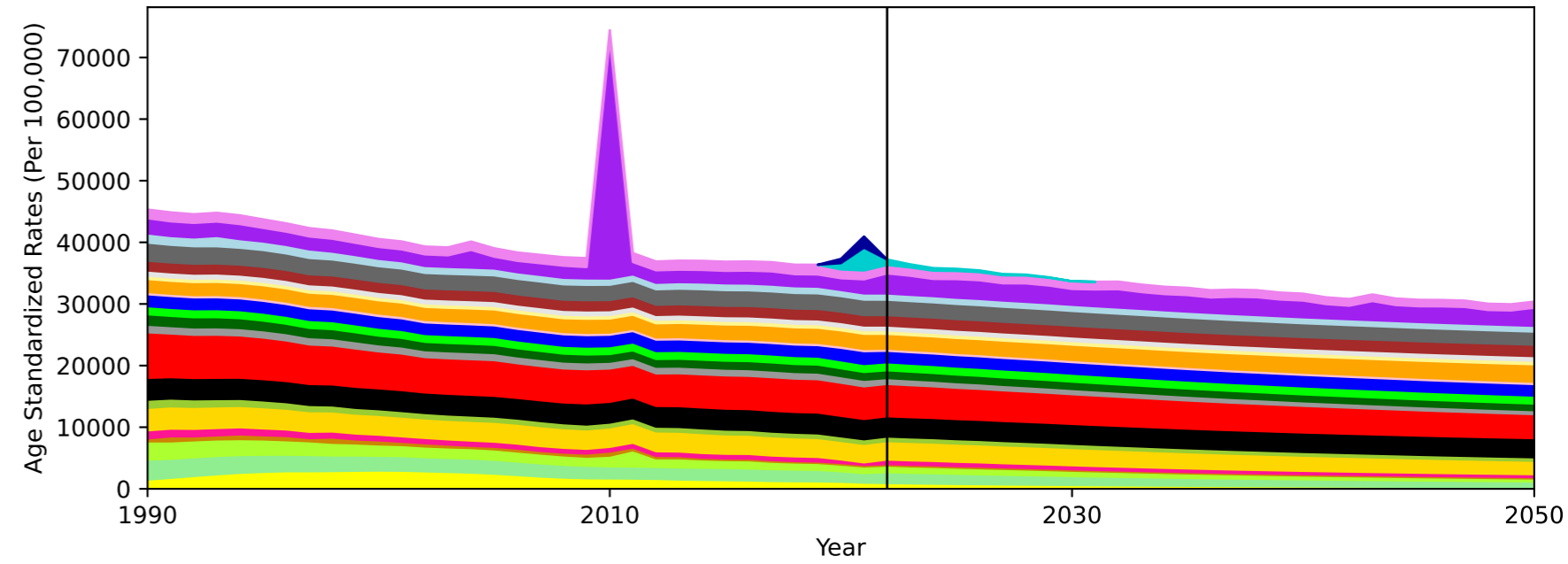


# Caribbean

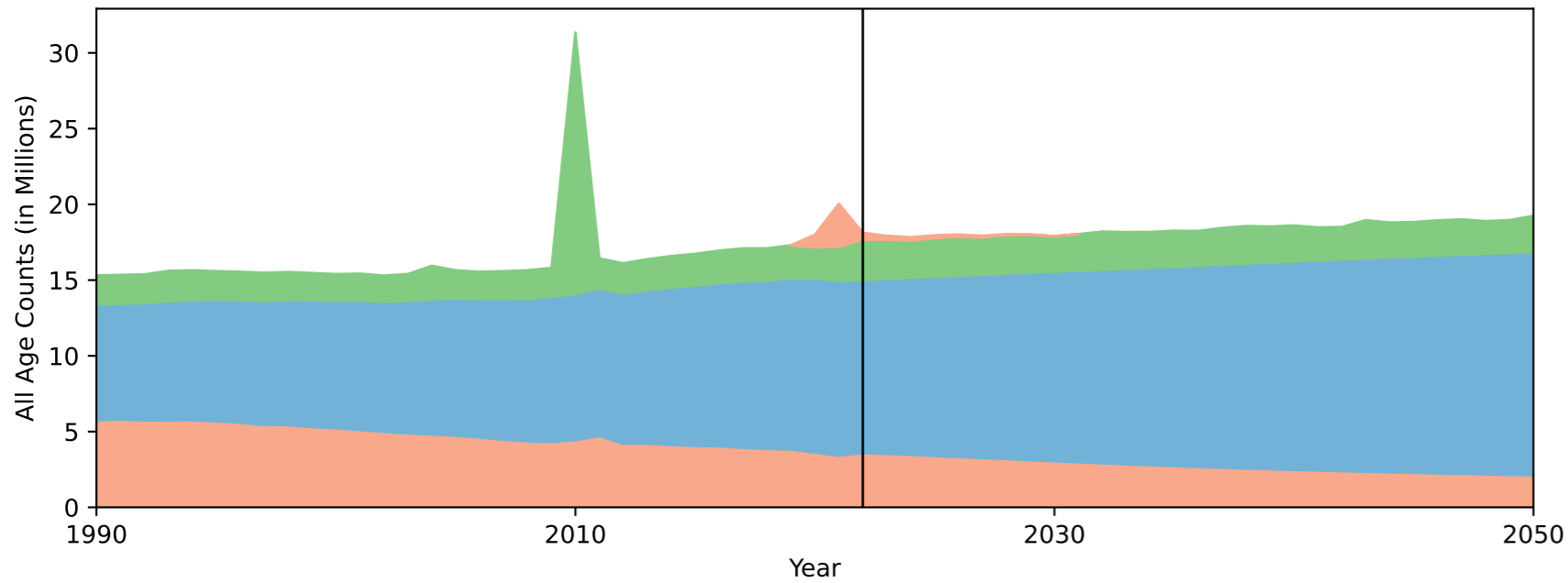
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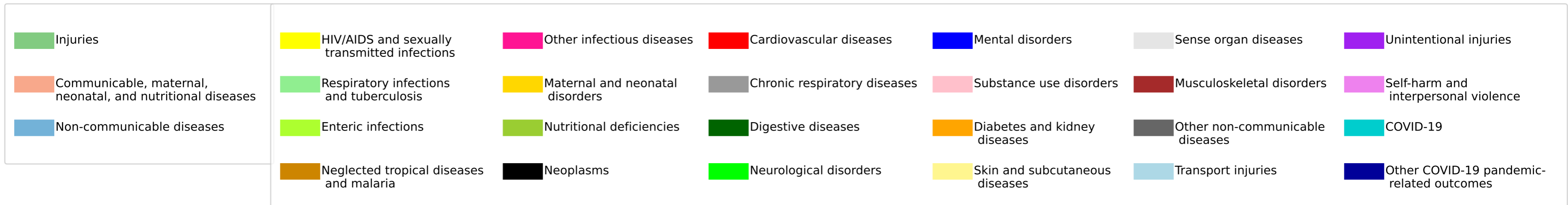
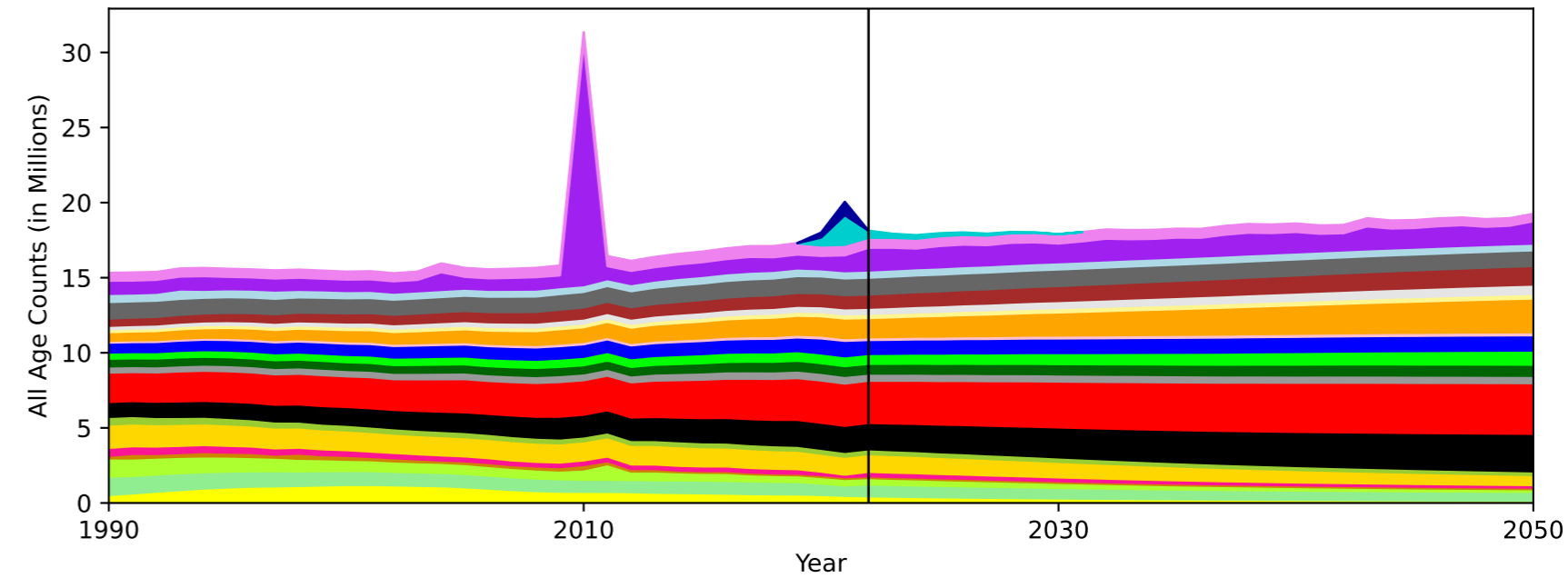
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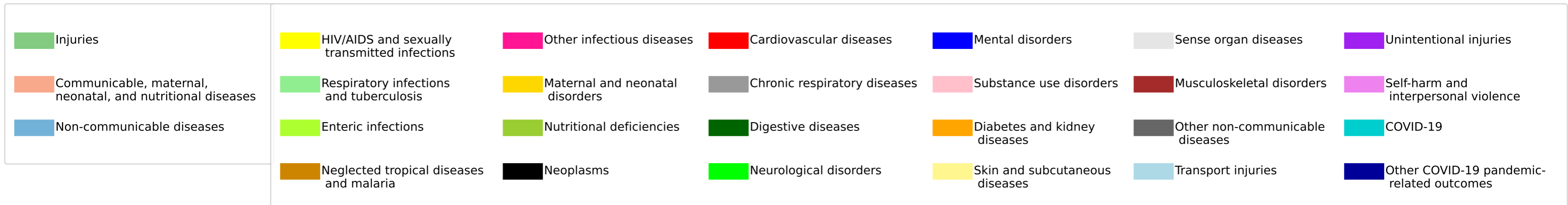
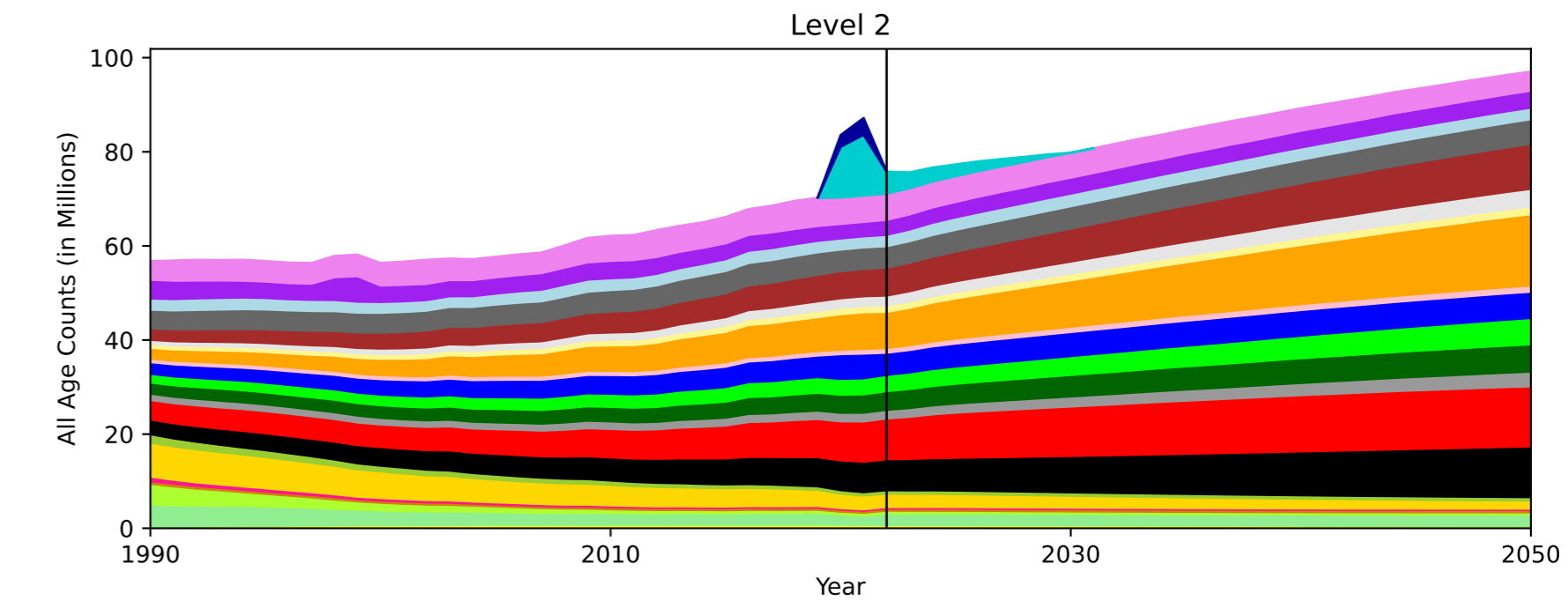
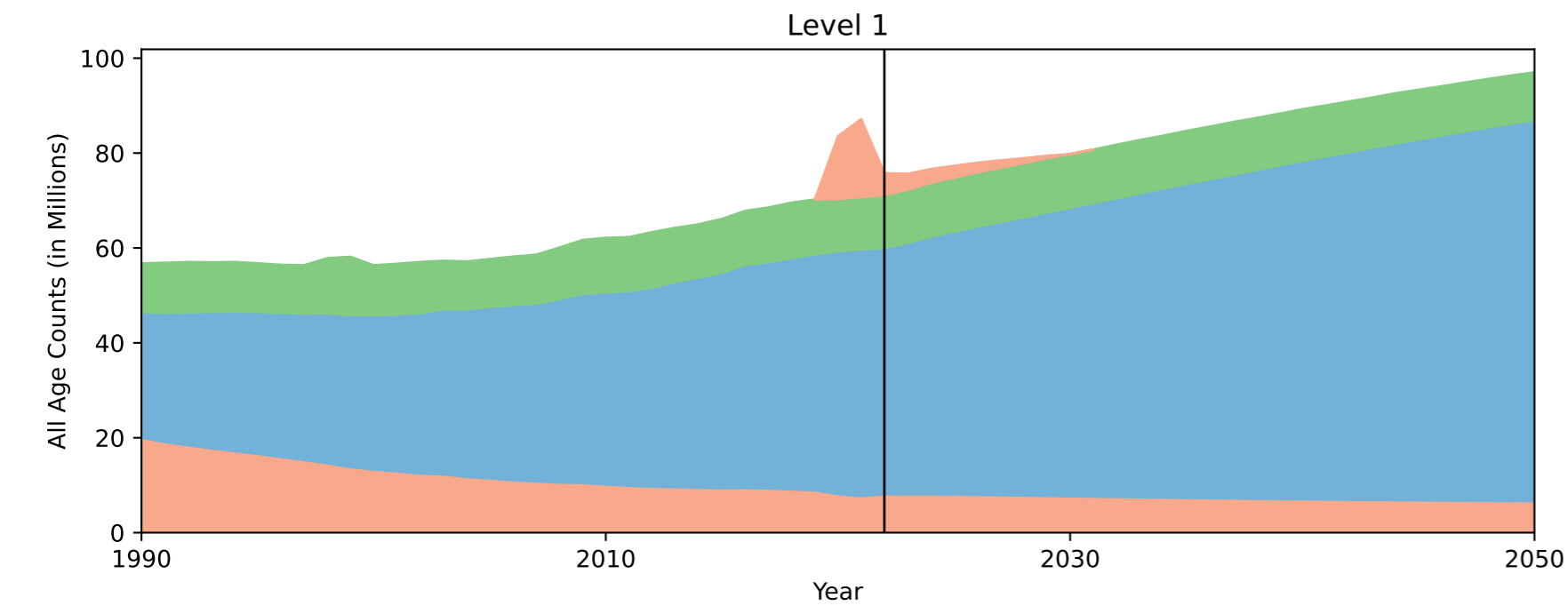
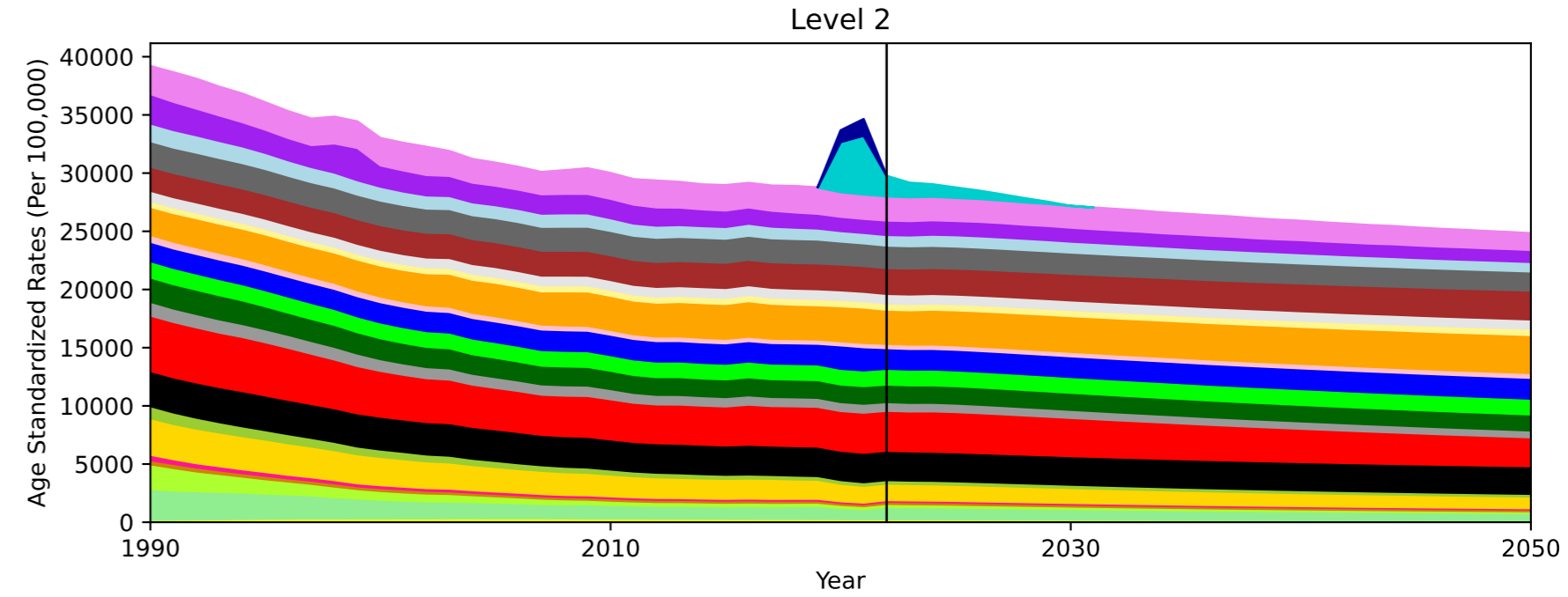
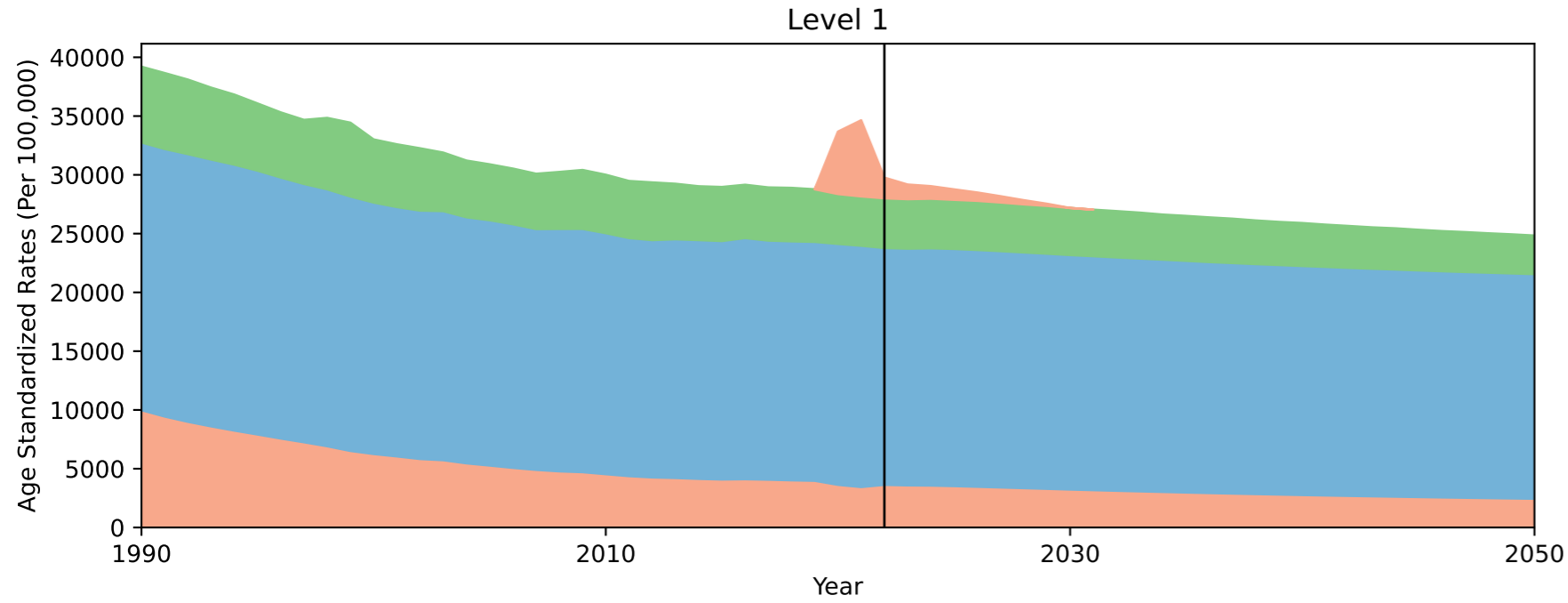
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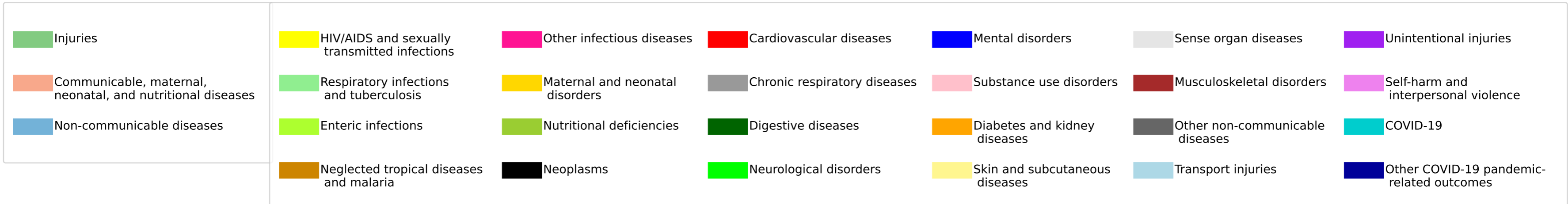
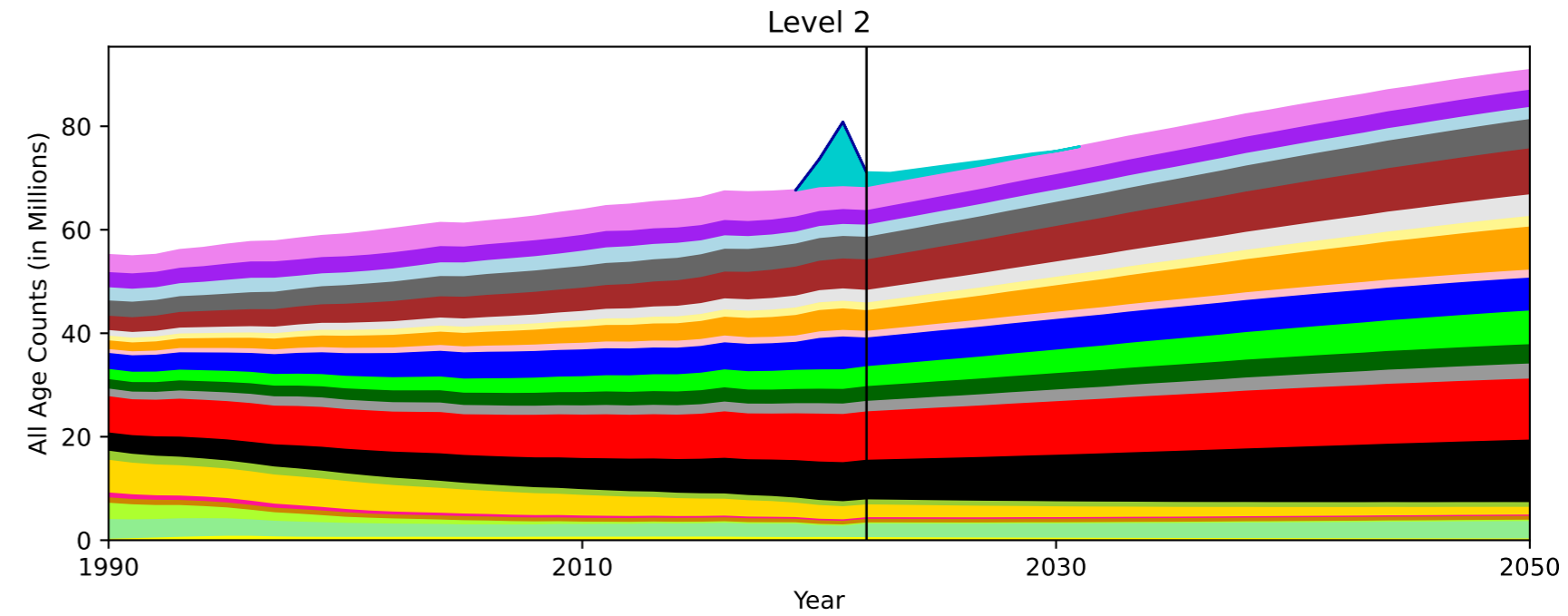
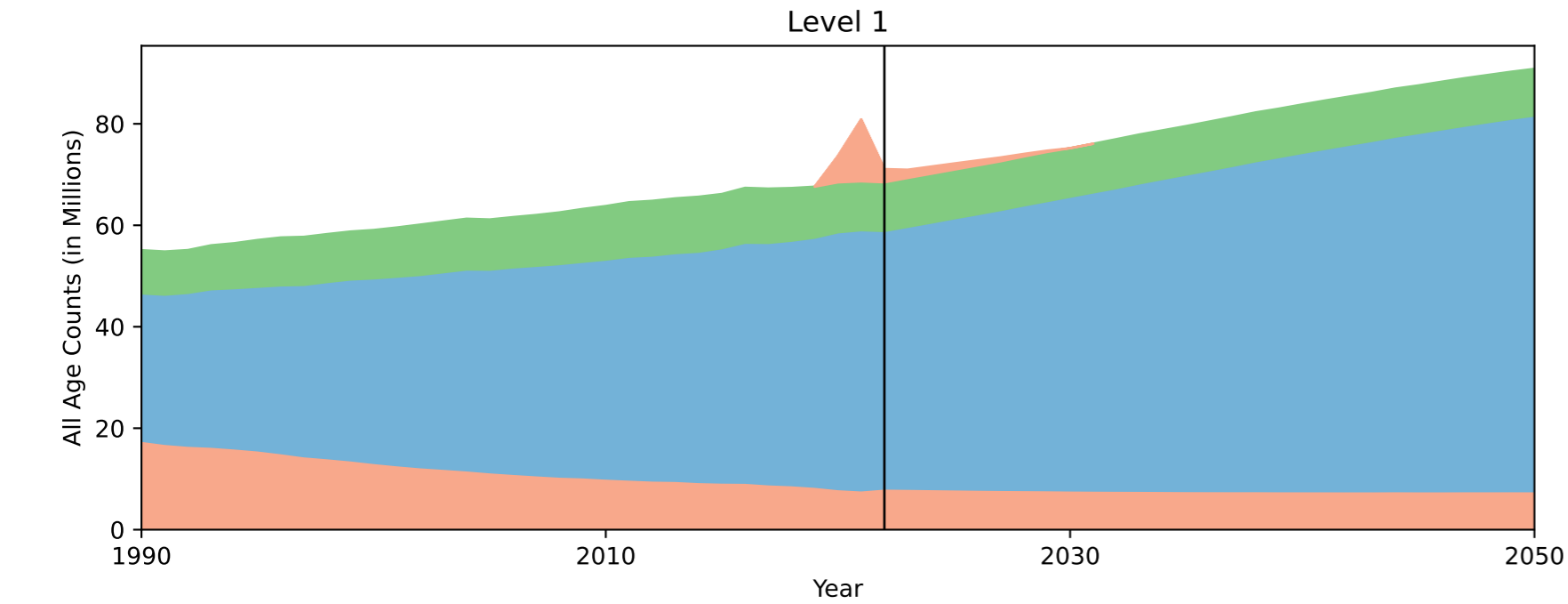
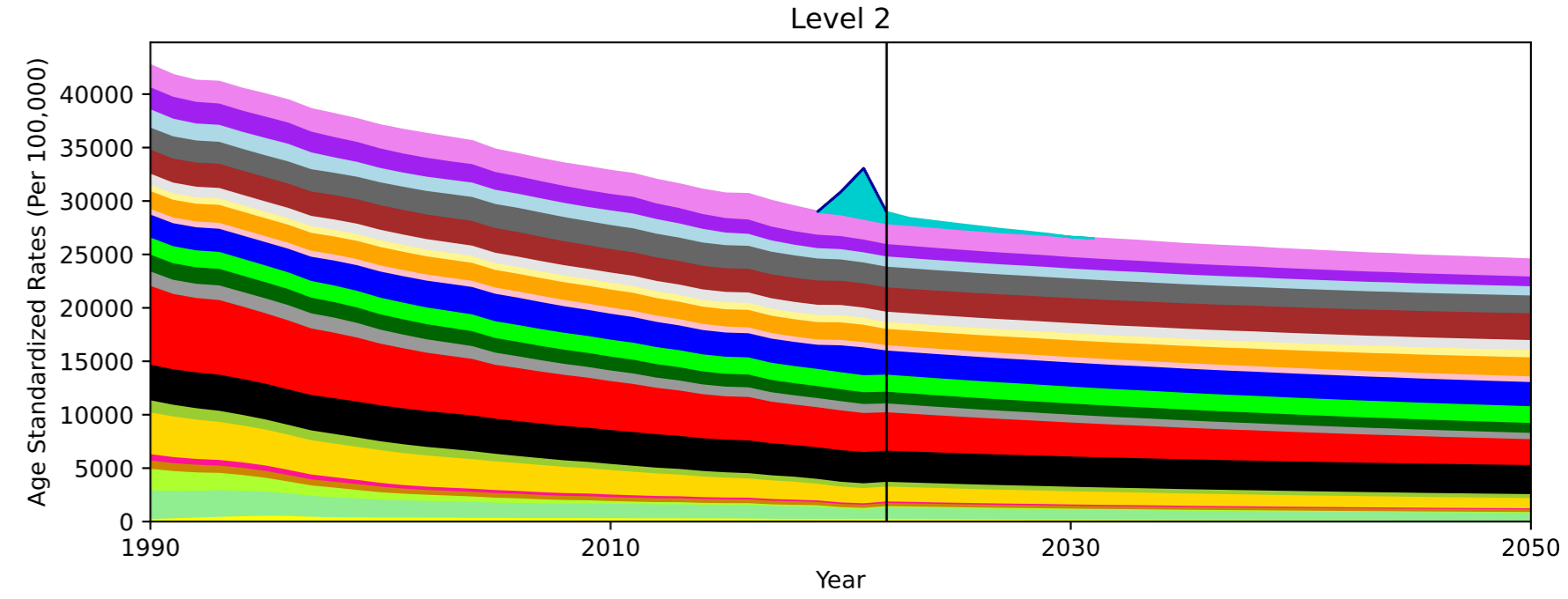
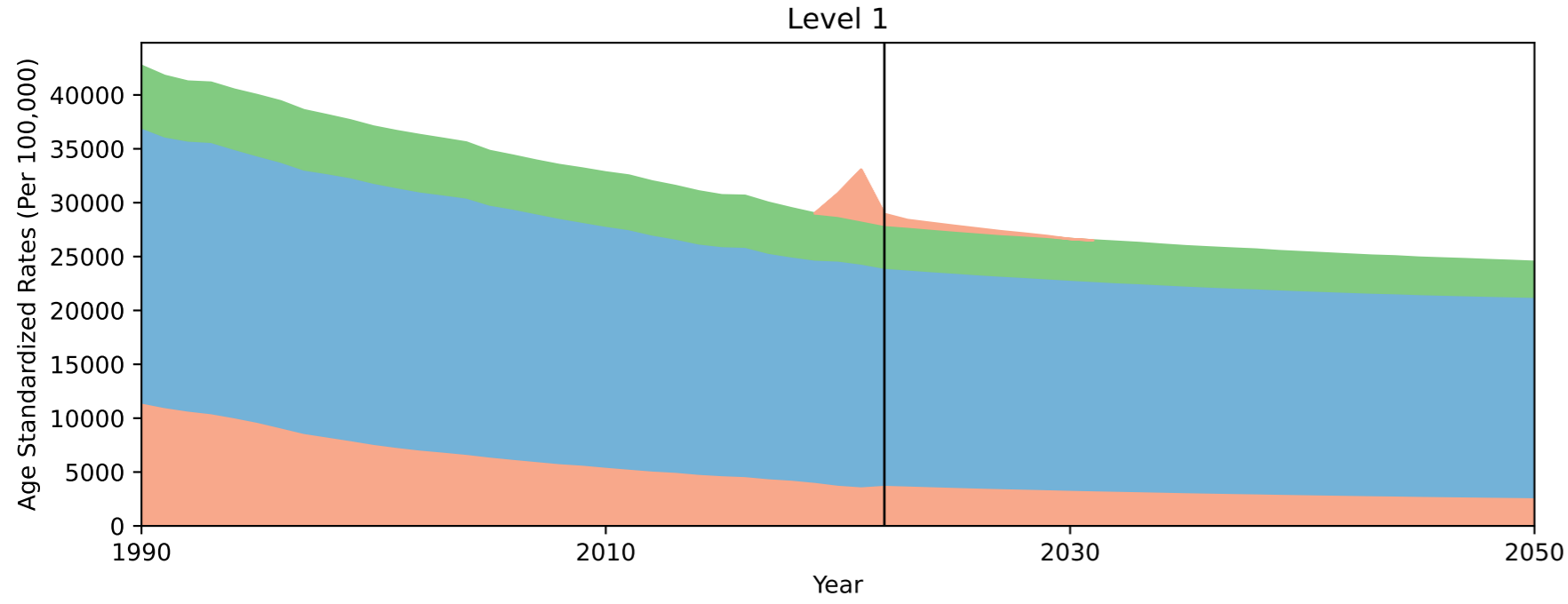
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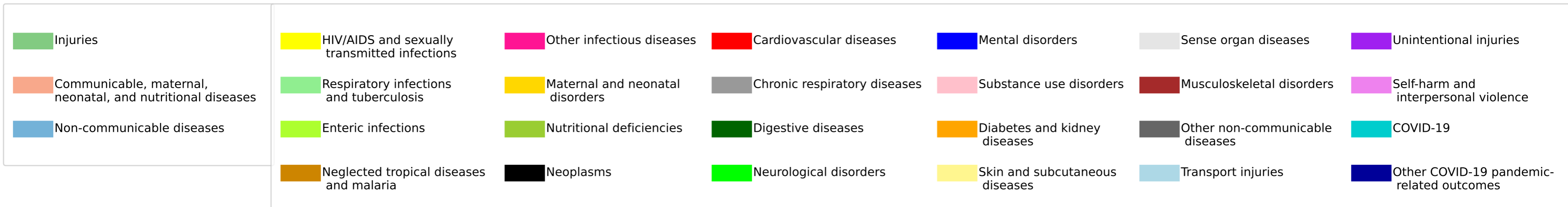
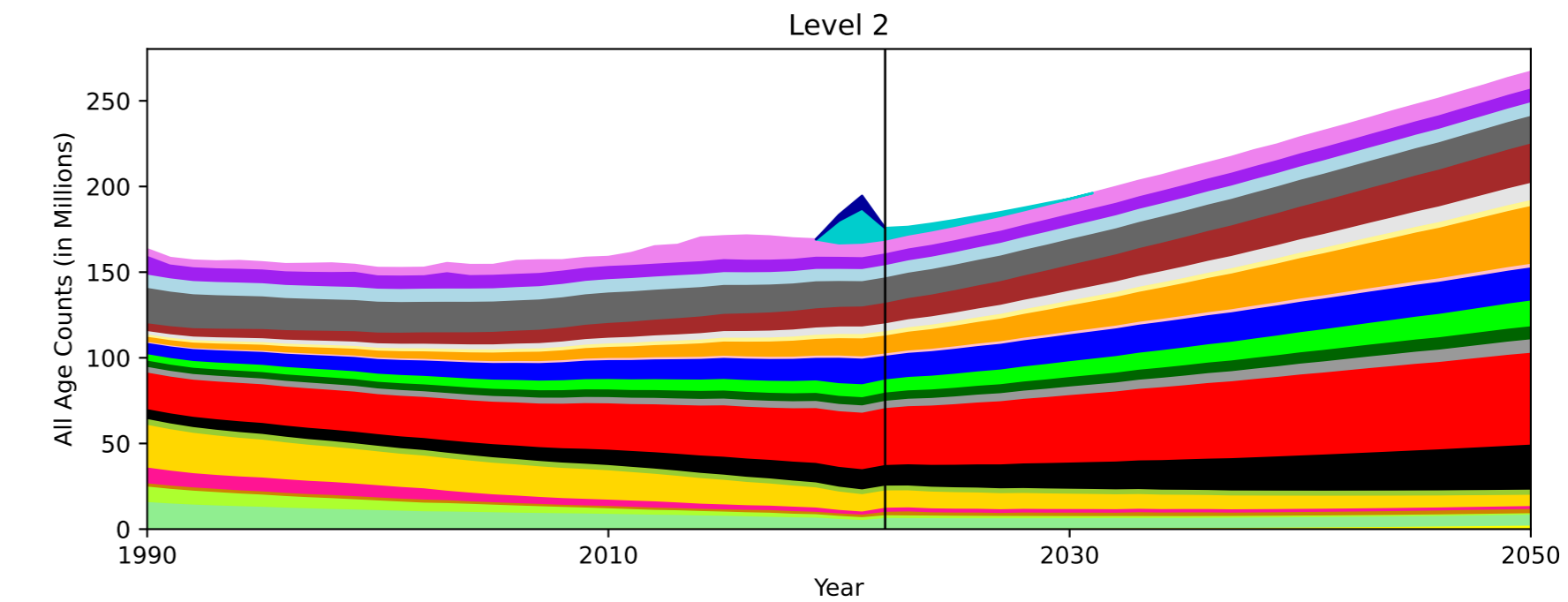
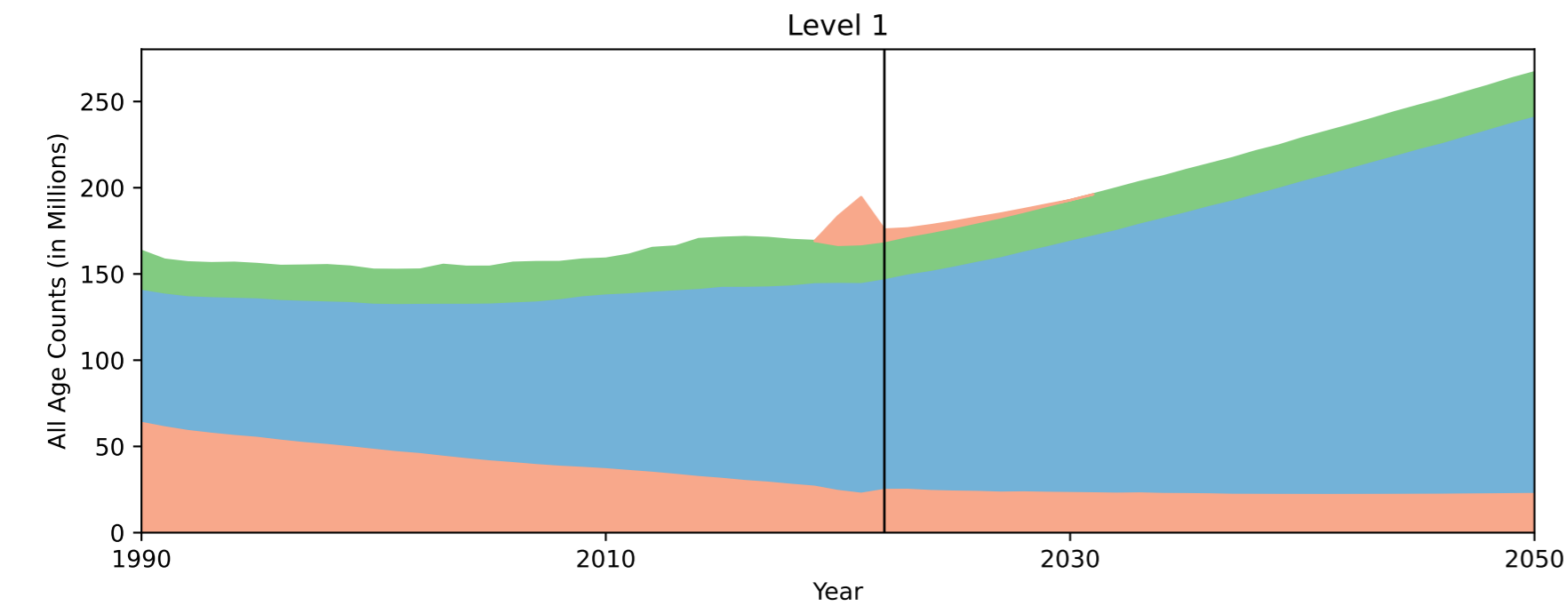
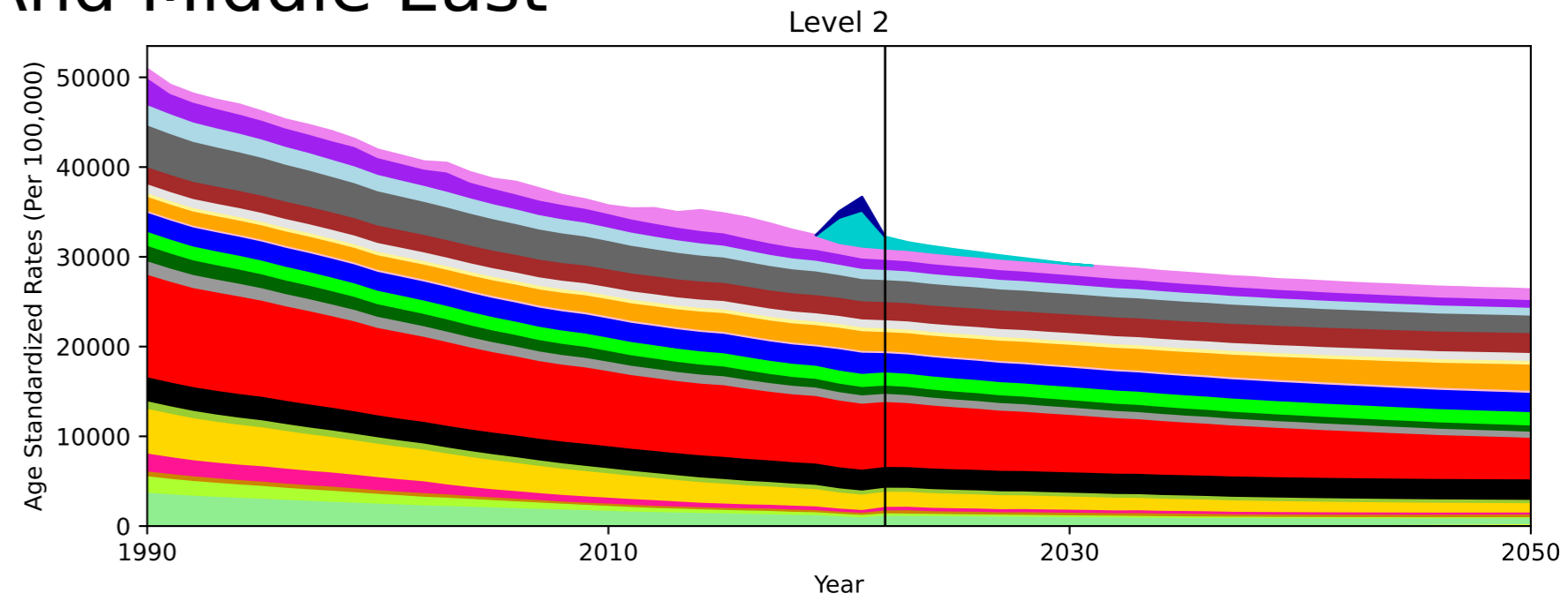
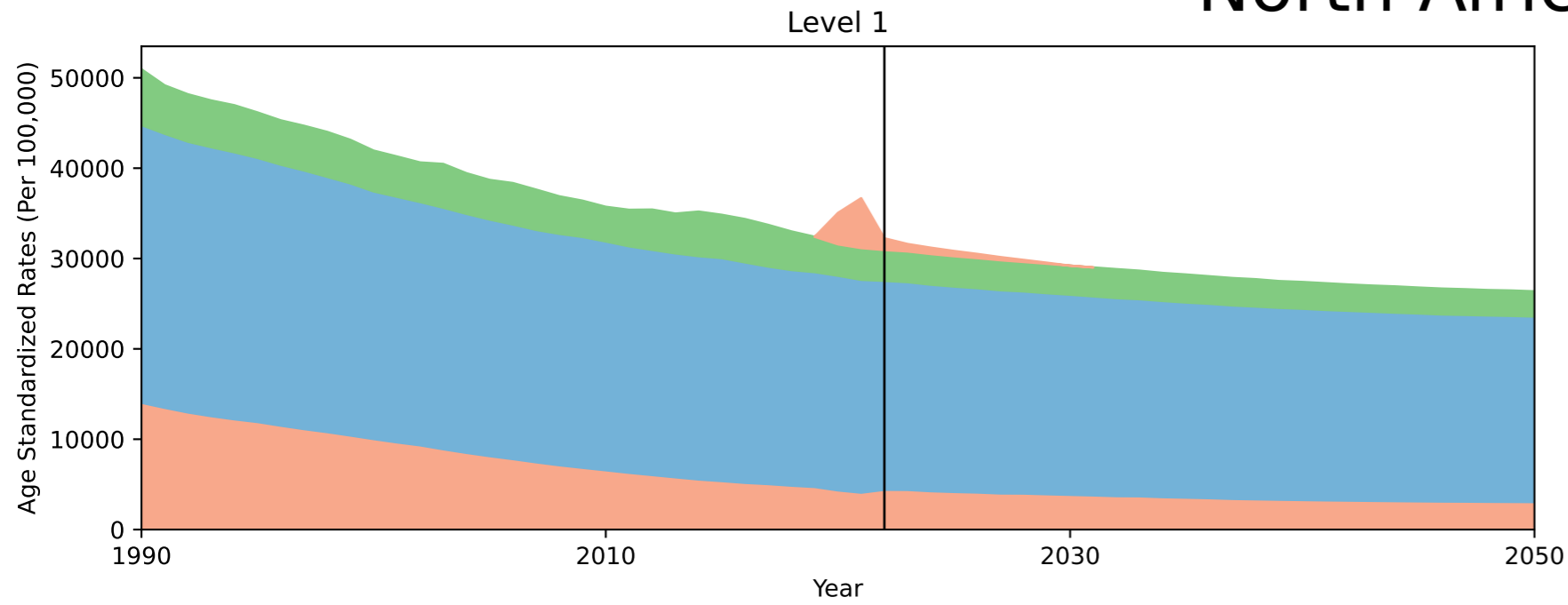
# Central Latin America



# Tropical Latin America

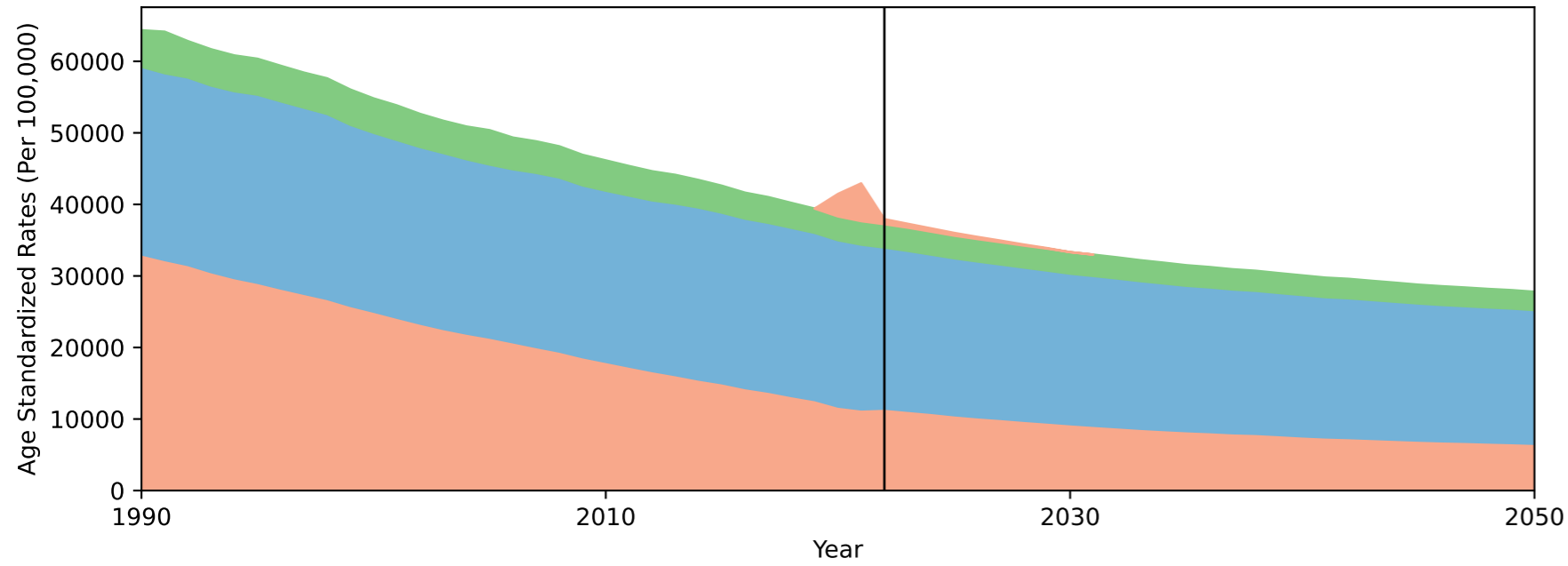


# North Africa And Middle East

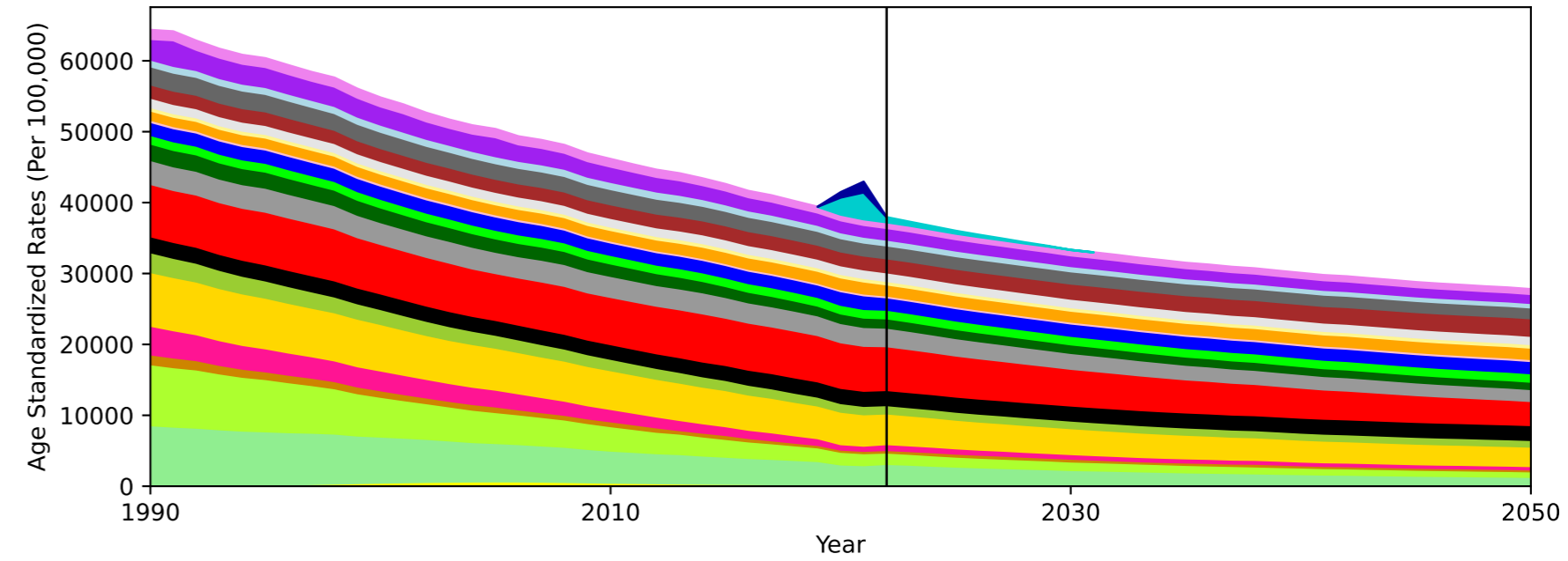


# South Asia

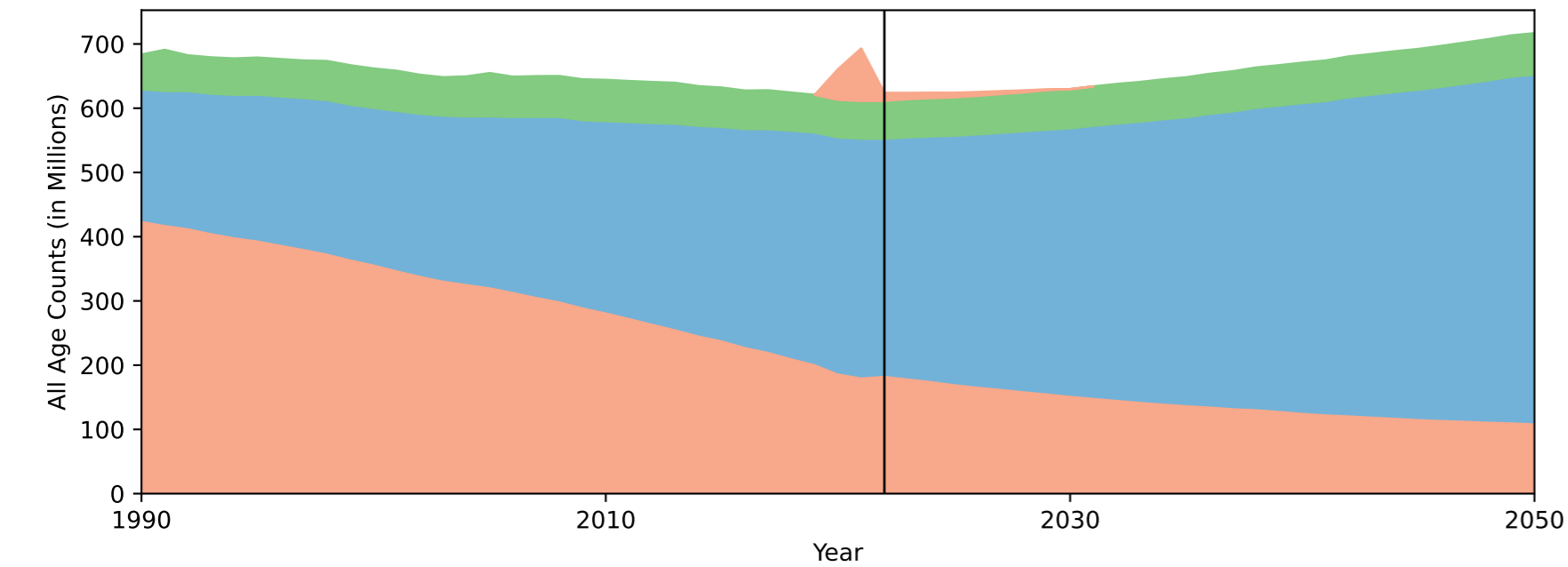
Level 1



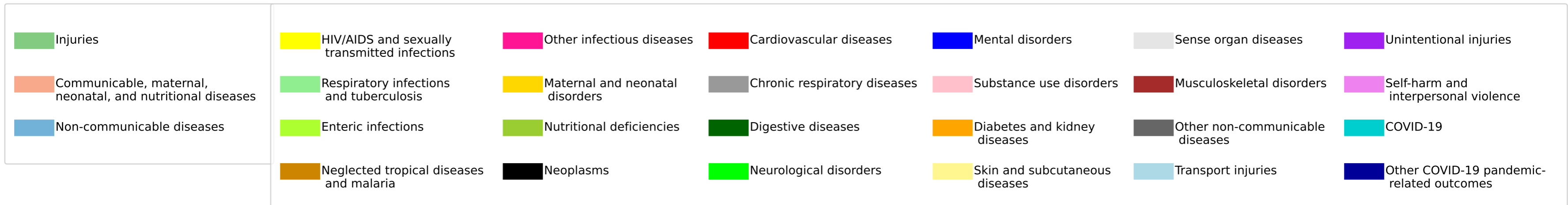
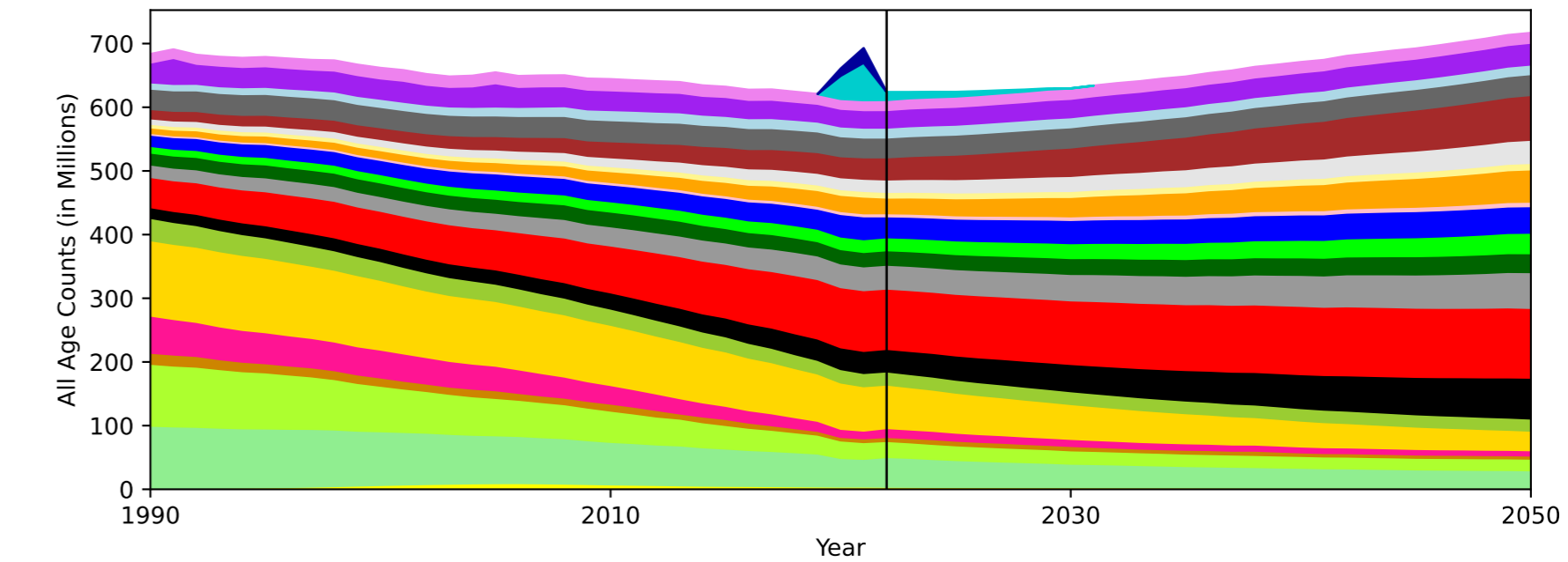
Level 2



Level 1

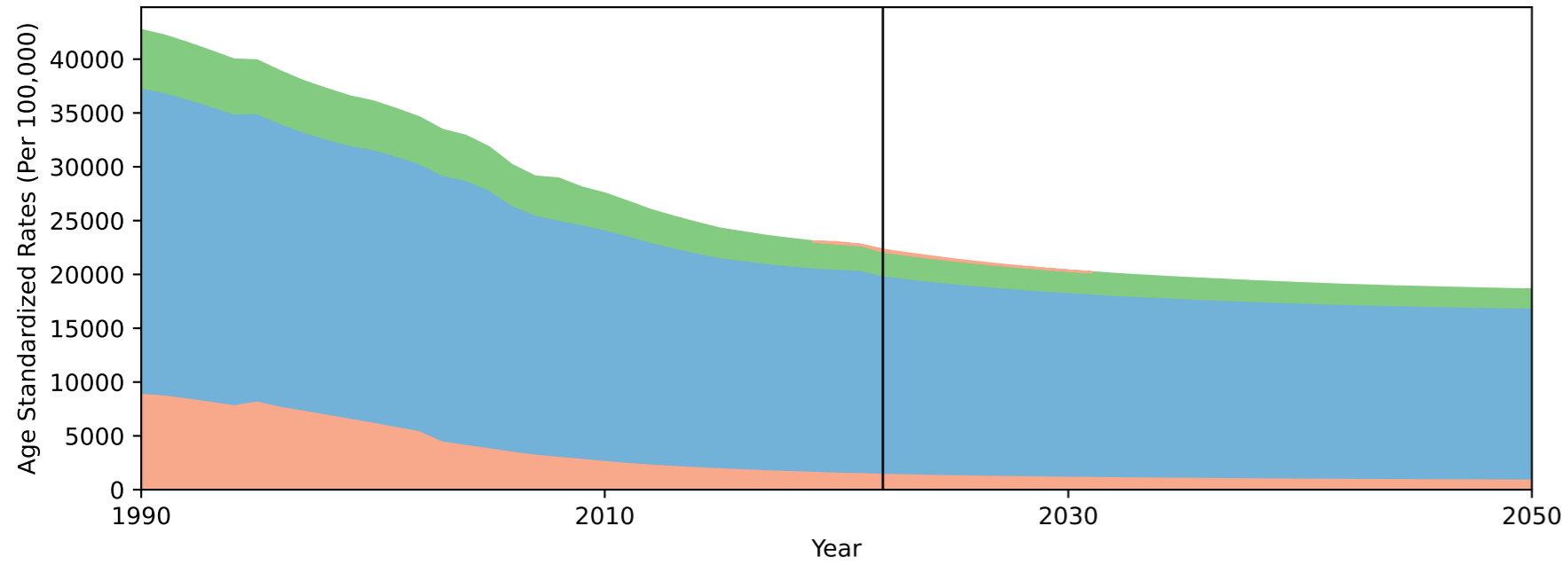


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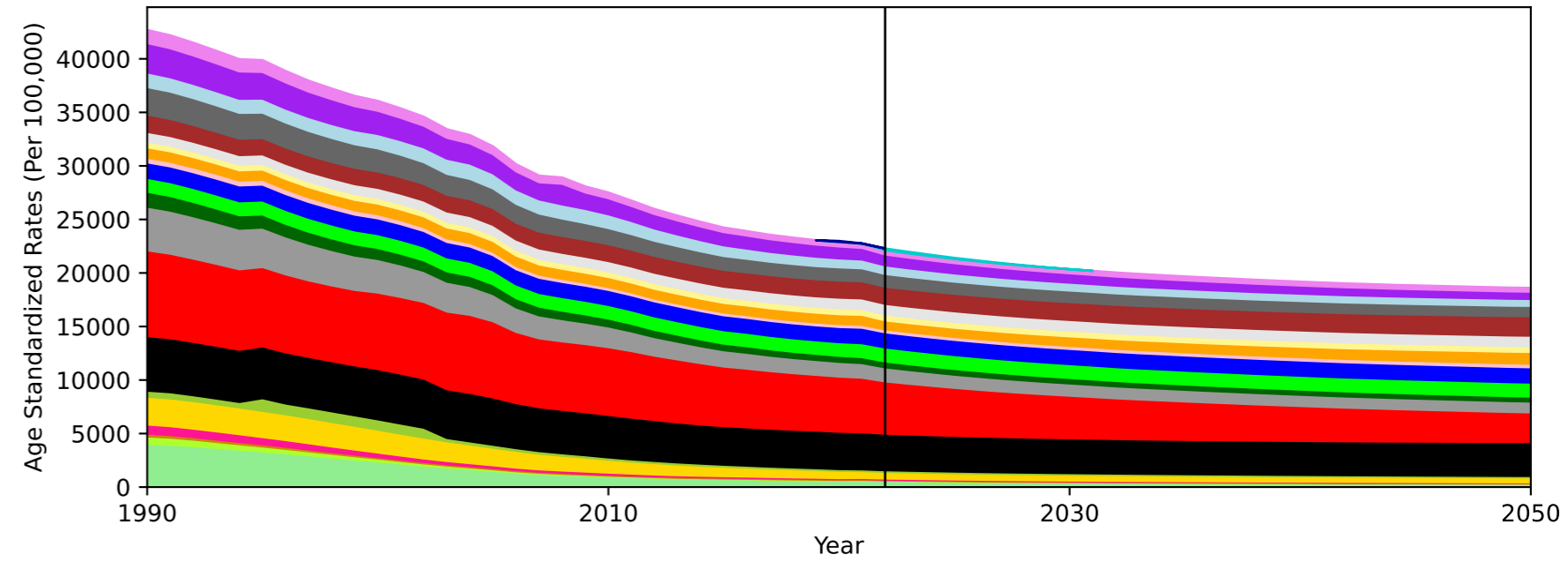


# East Asia

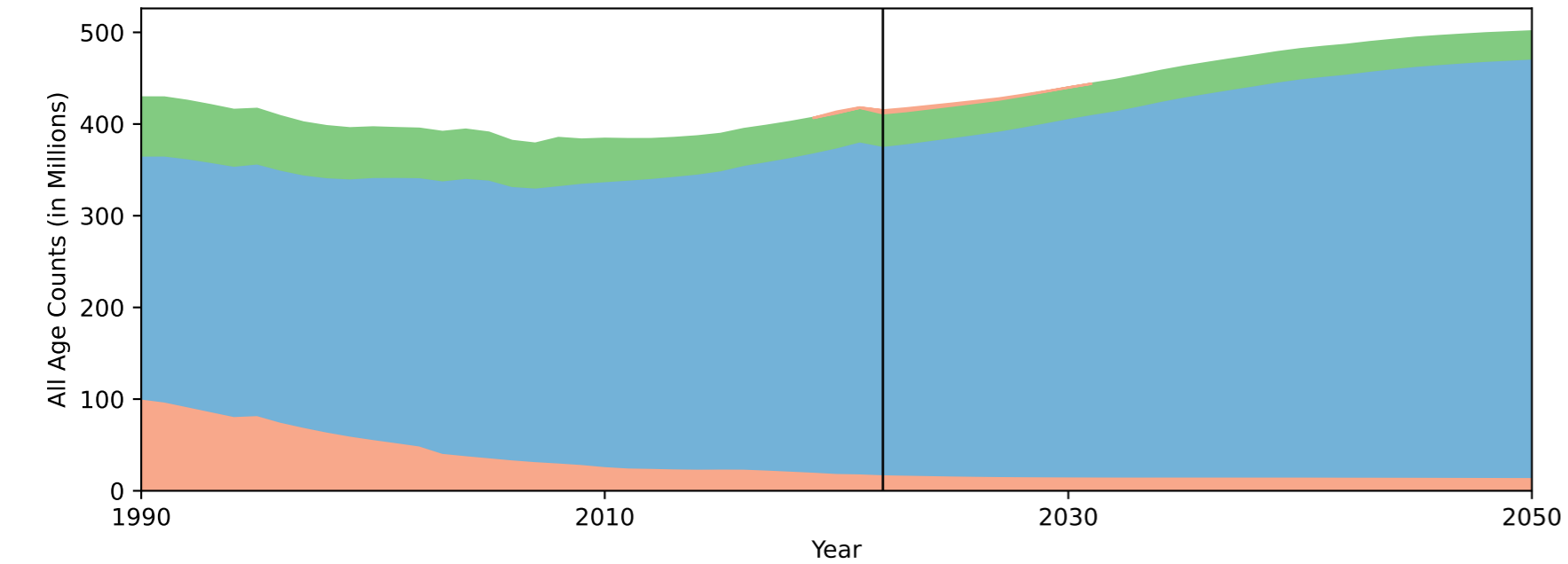
Level 1



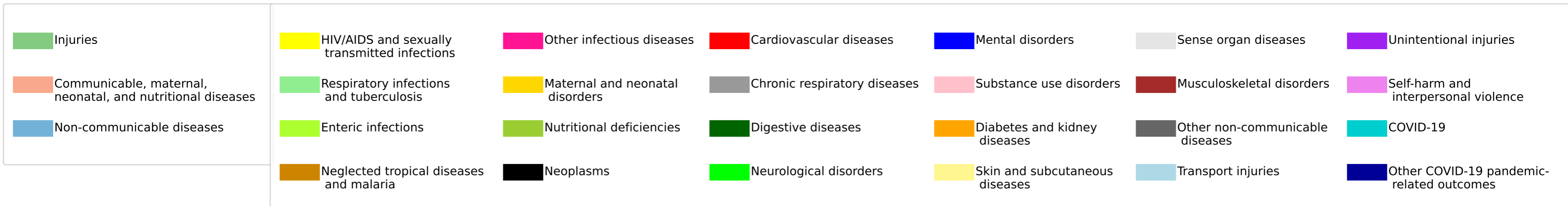
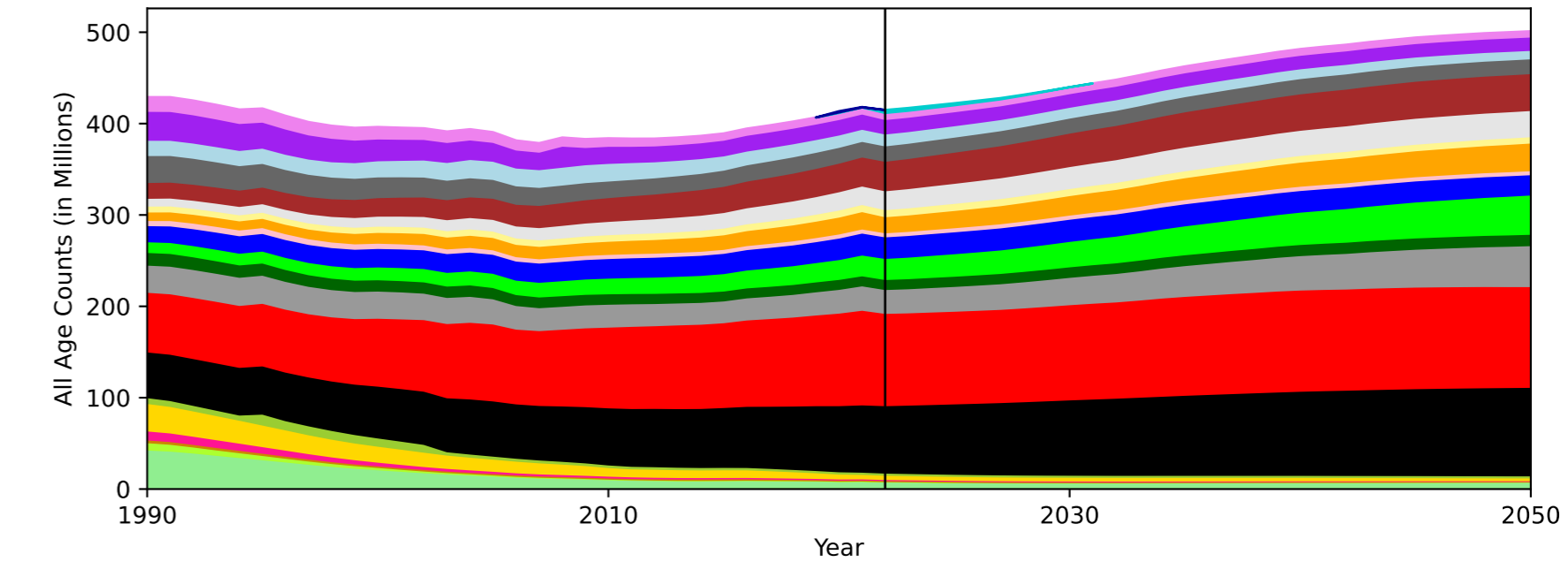
Level 2



Level 1

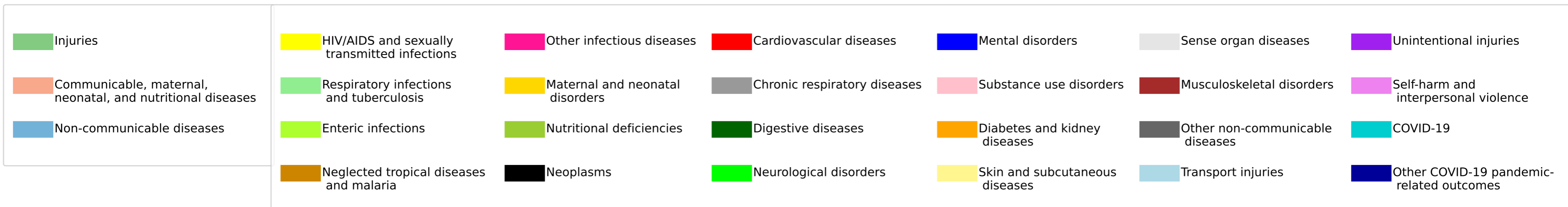
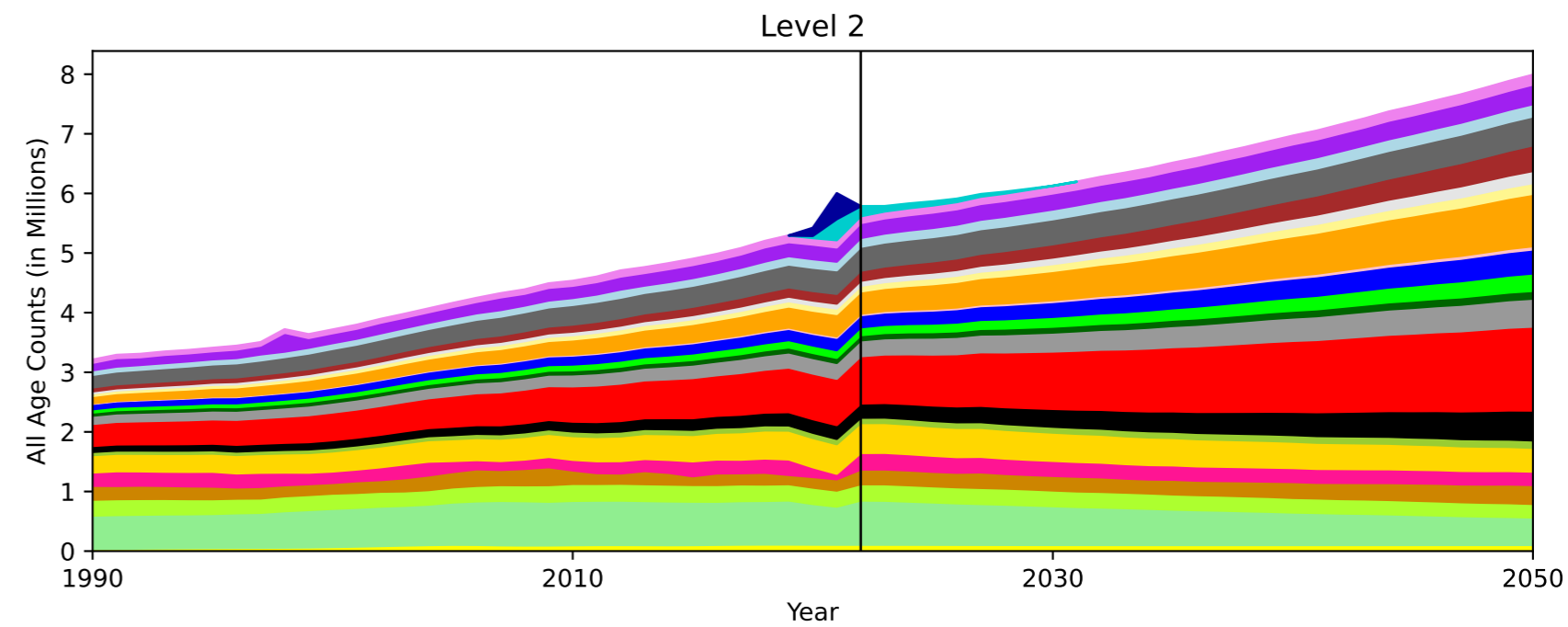
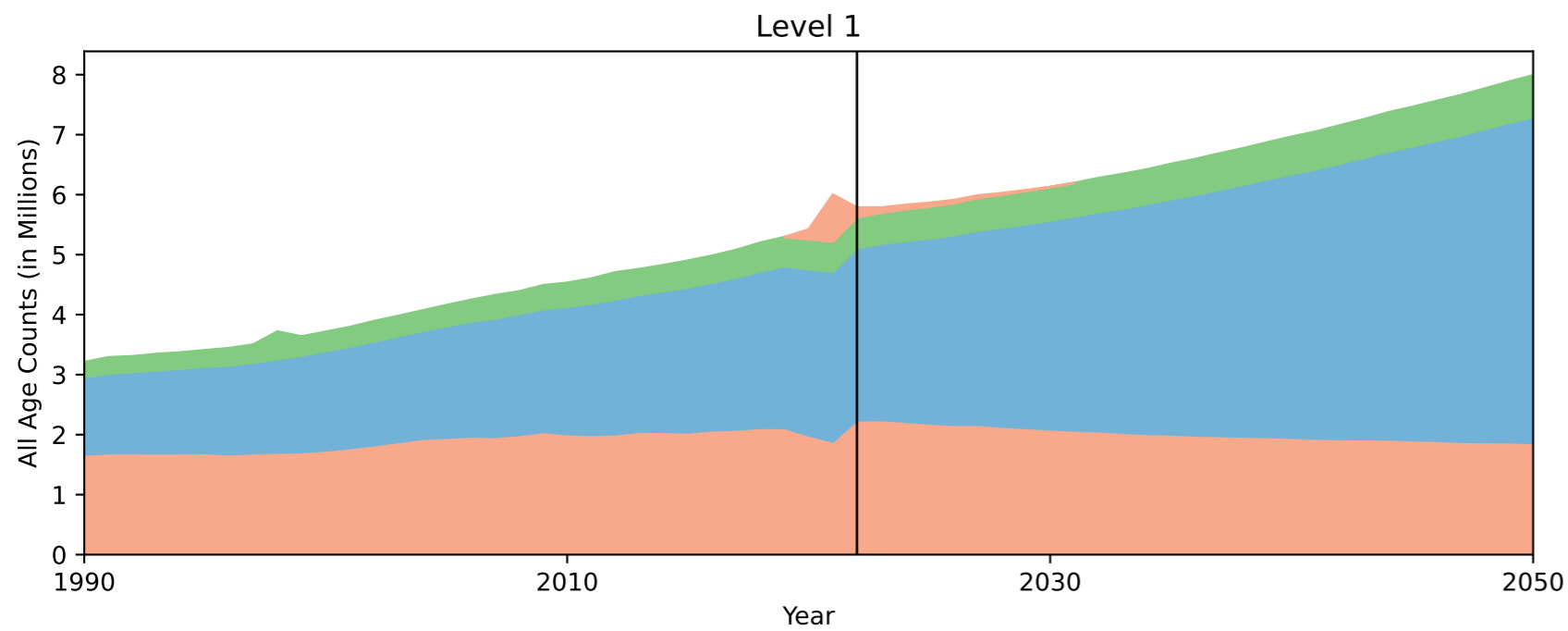
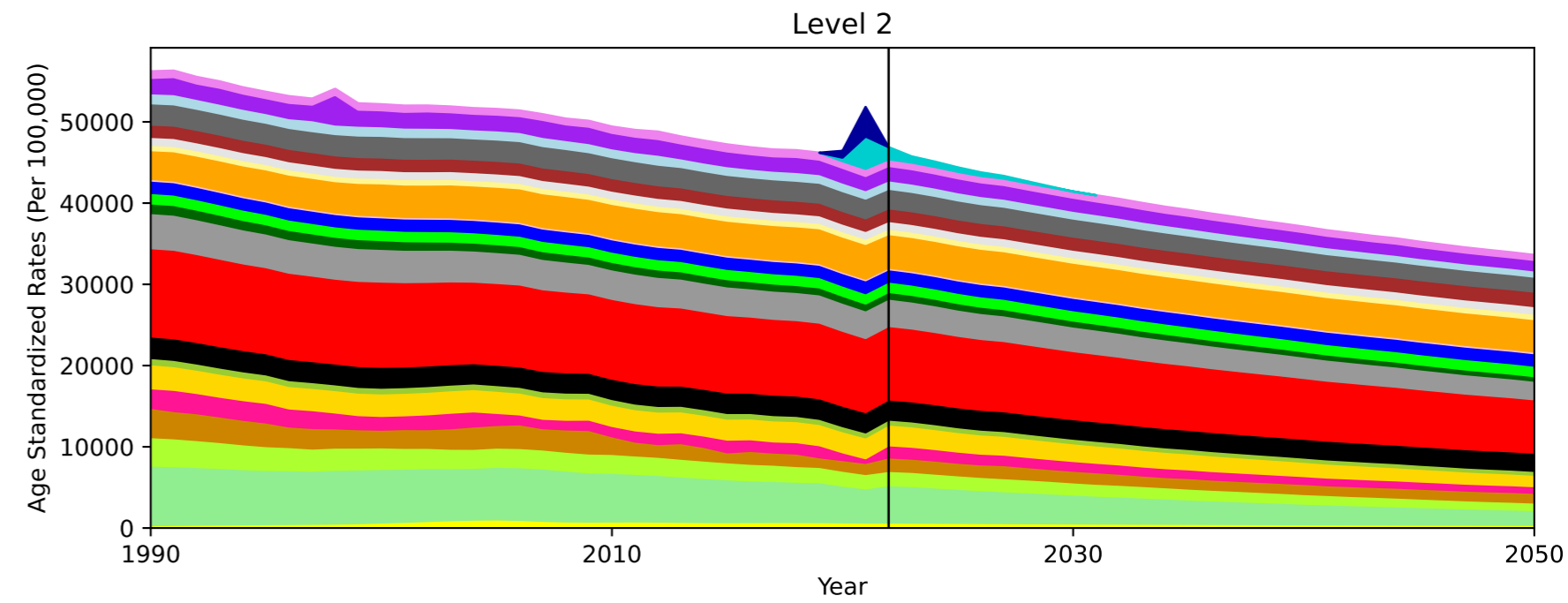
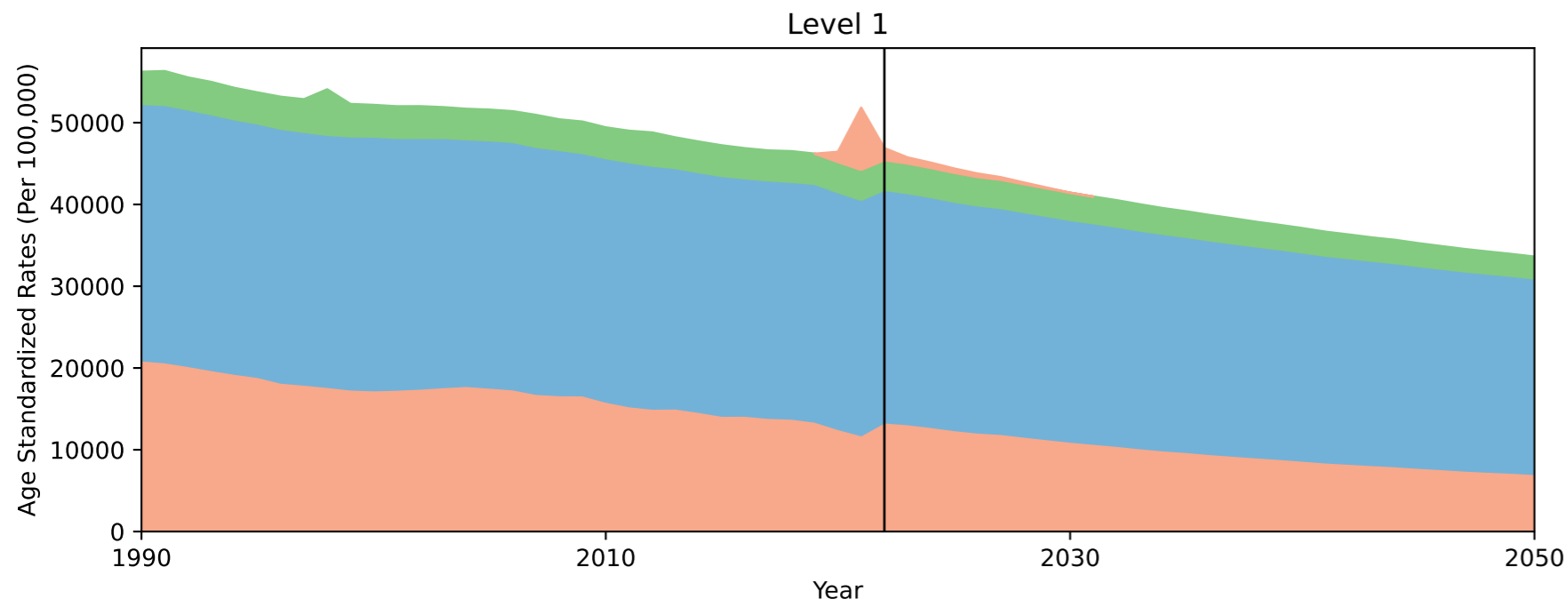


Level 2

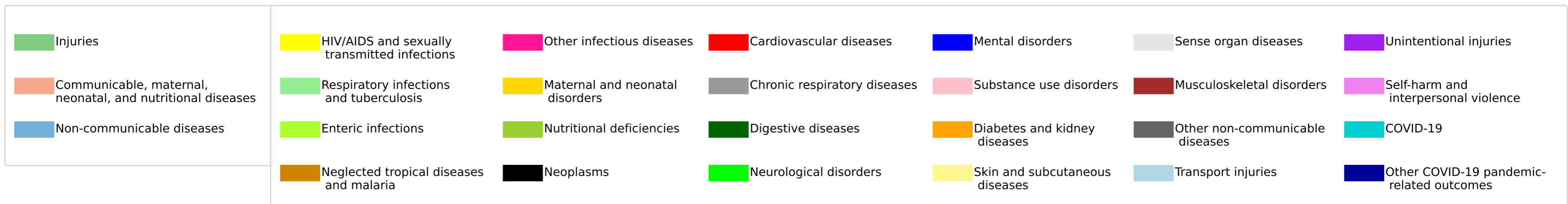
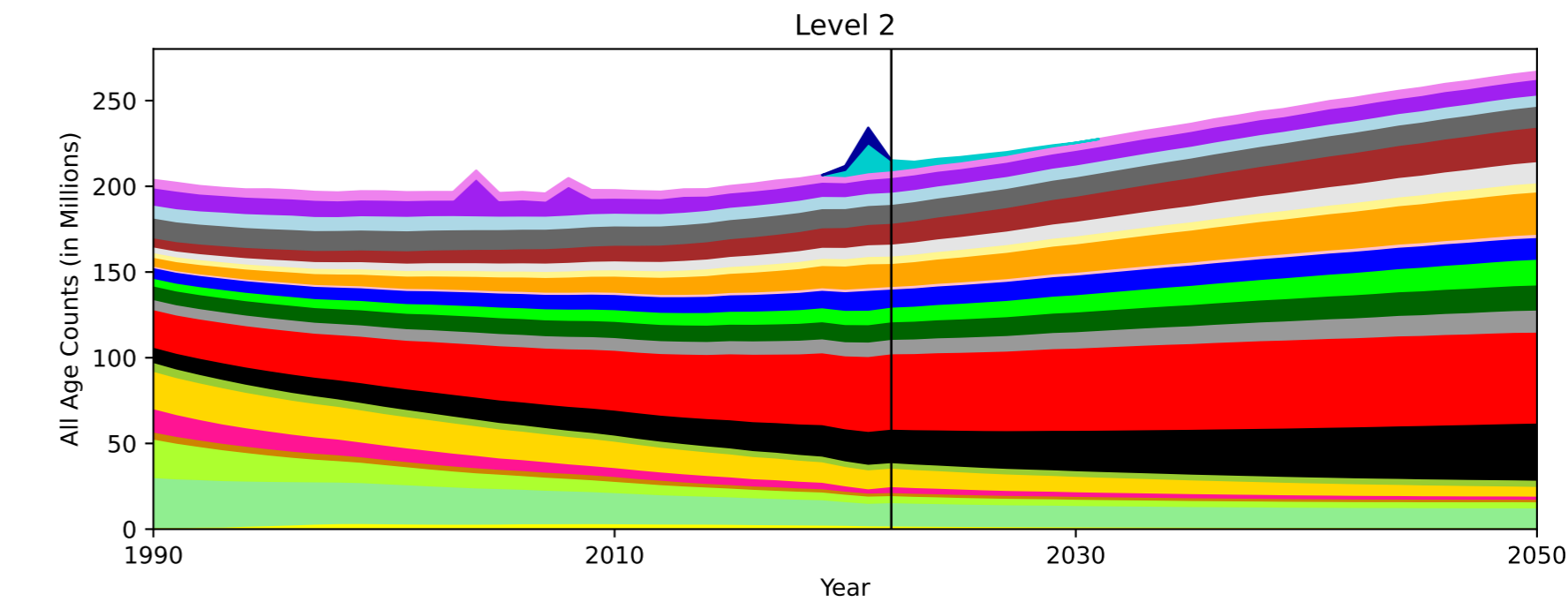
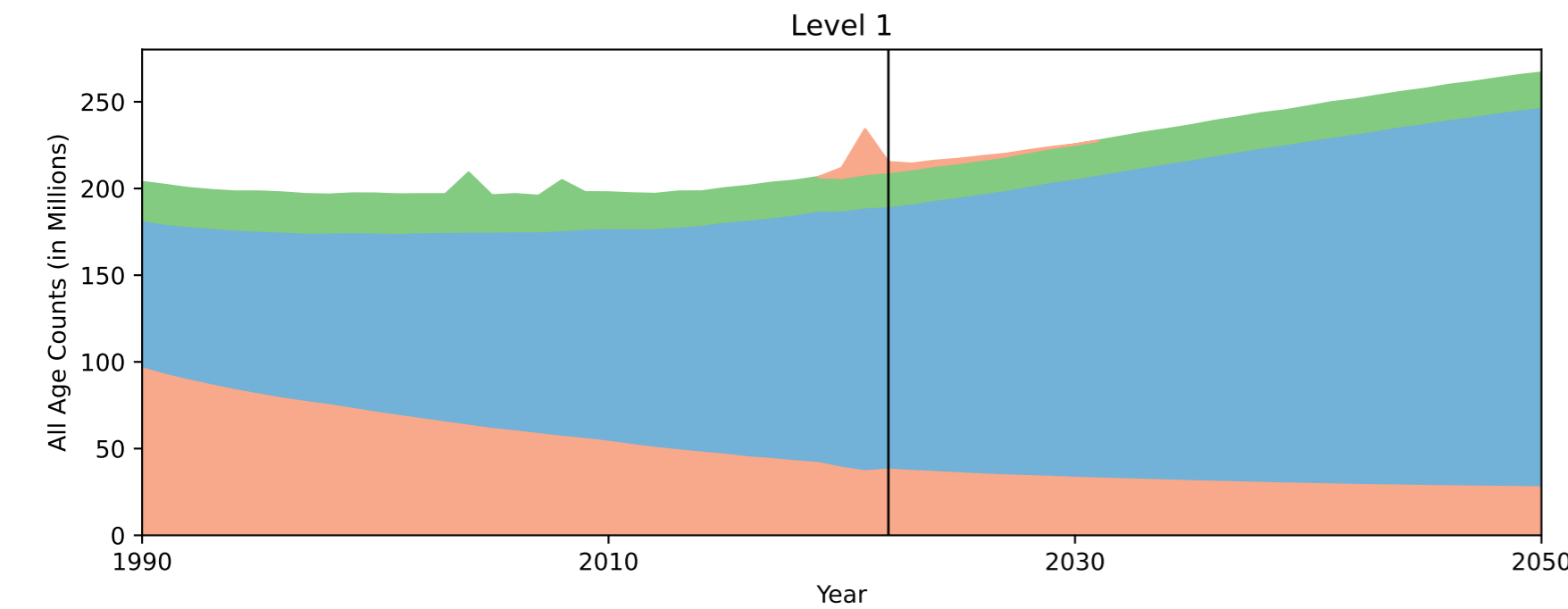
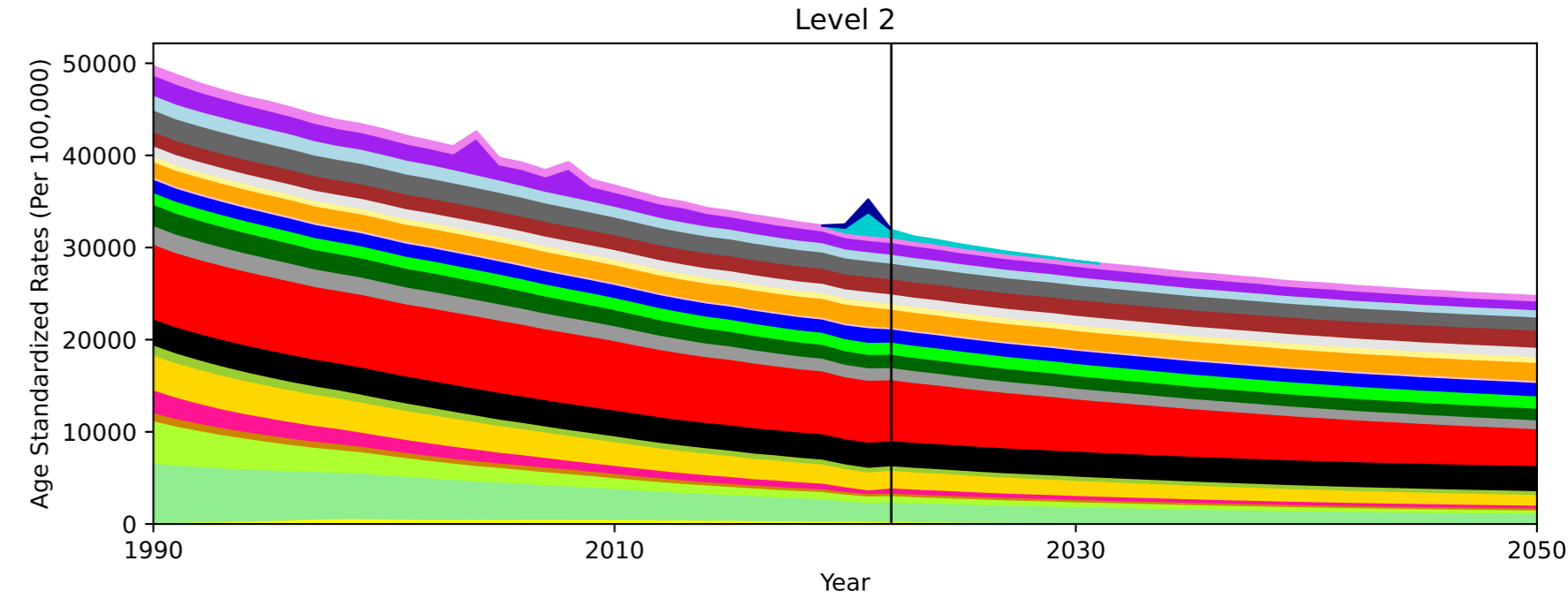
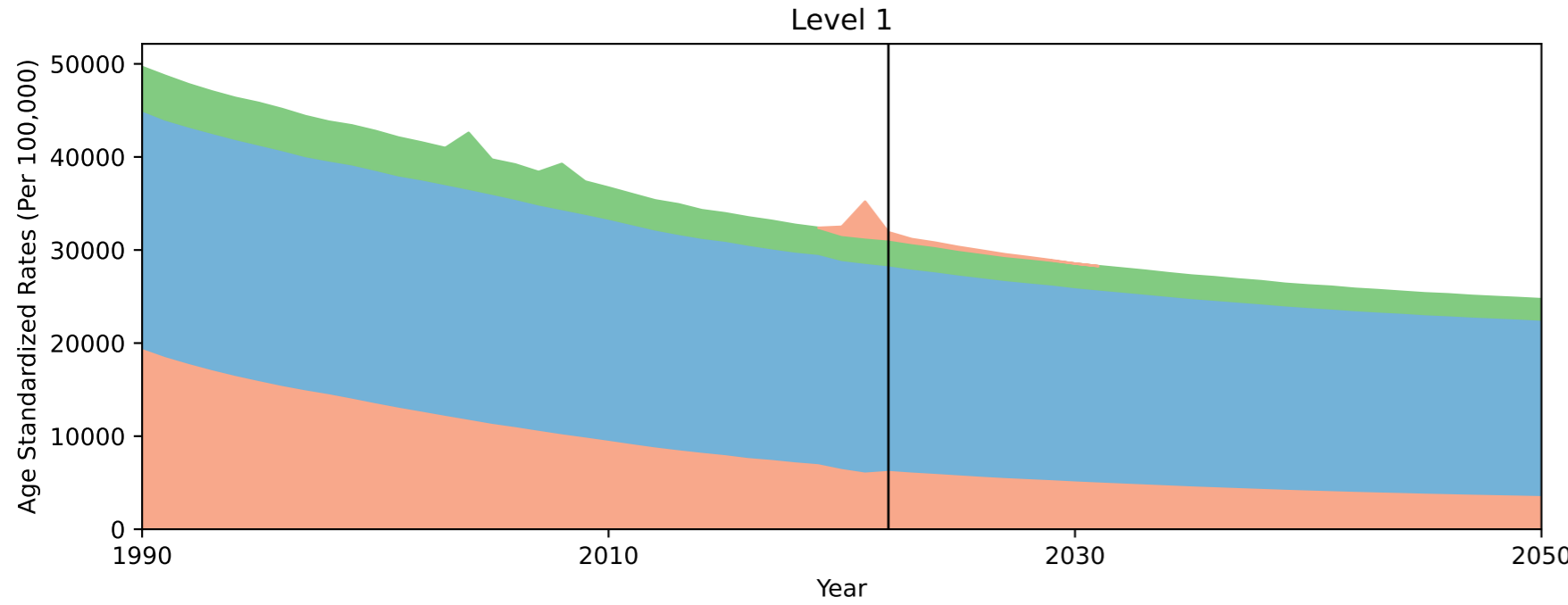




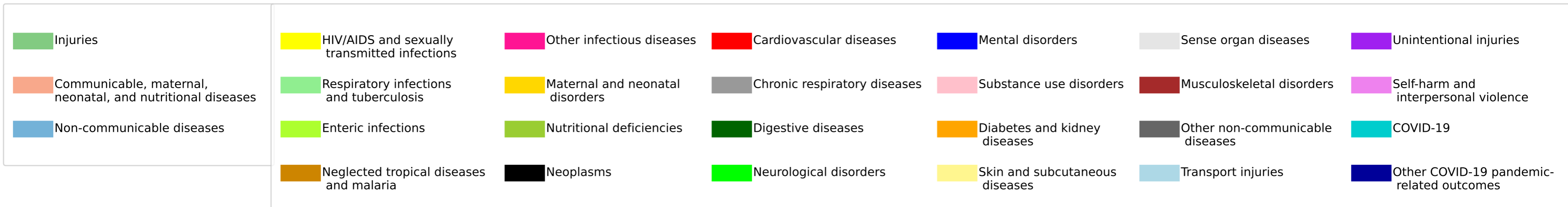
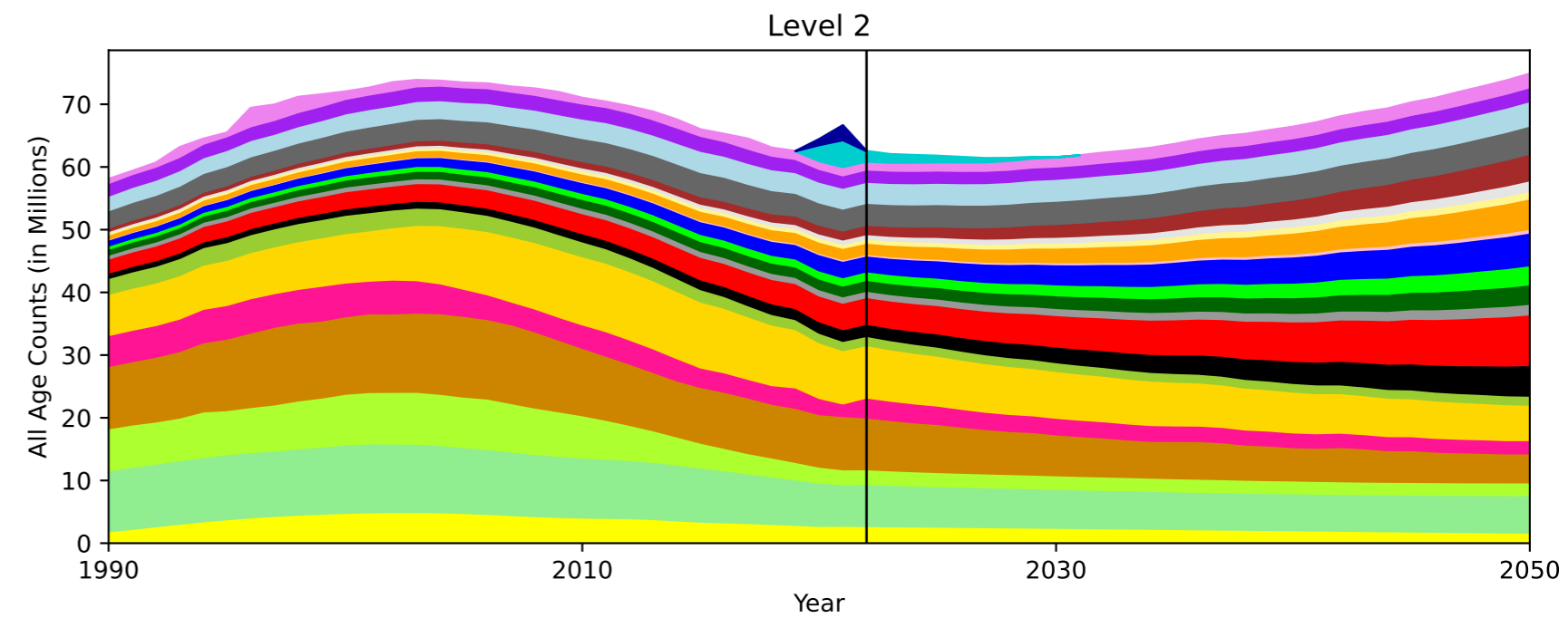
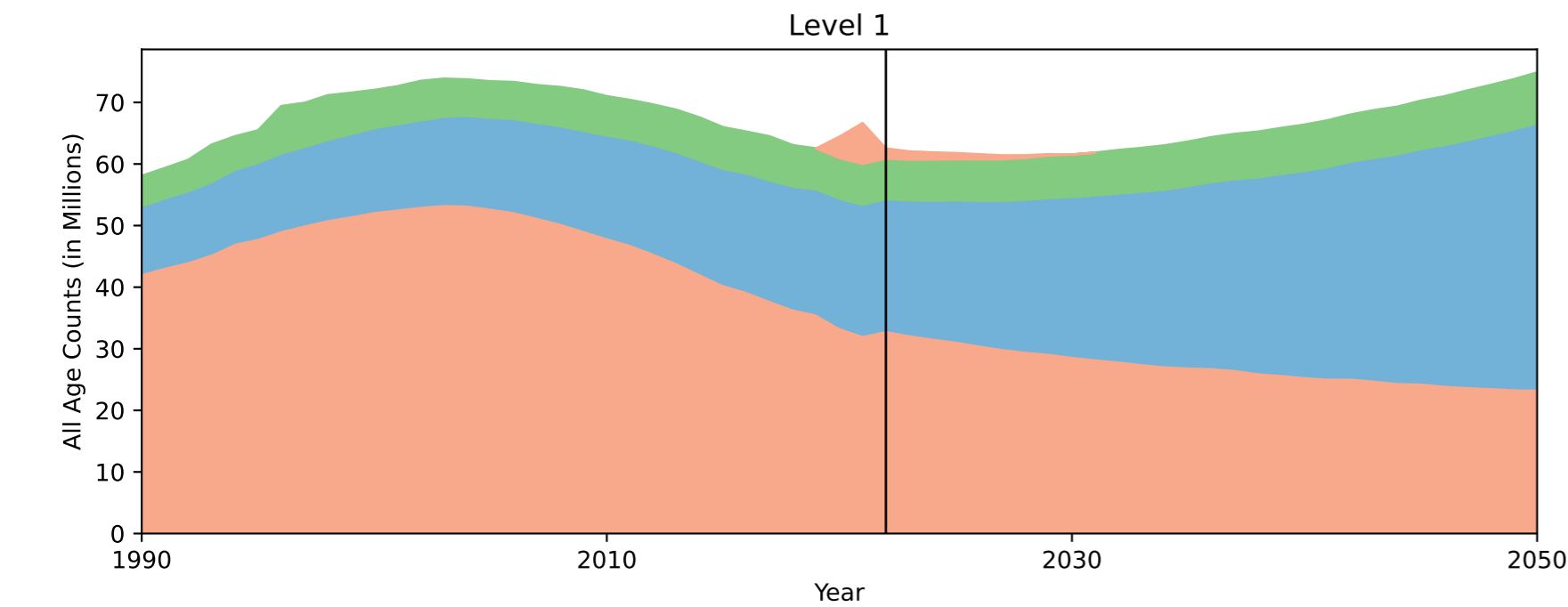
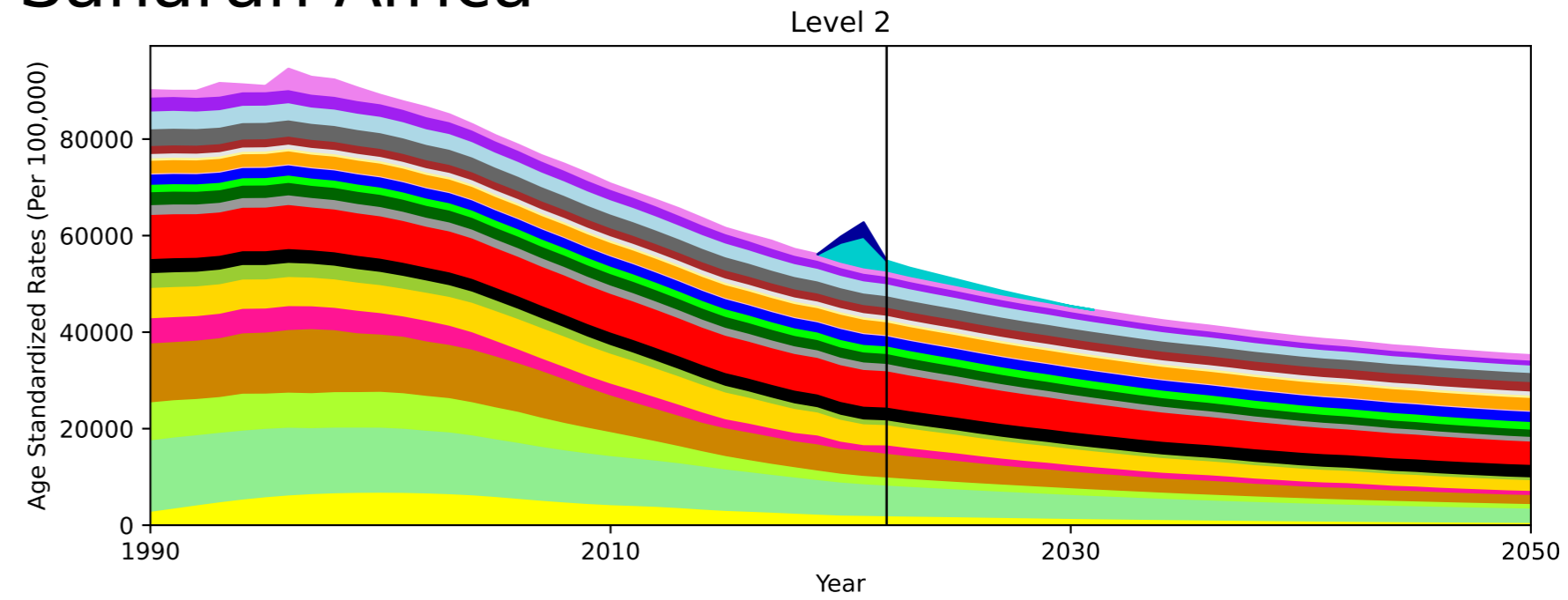
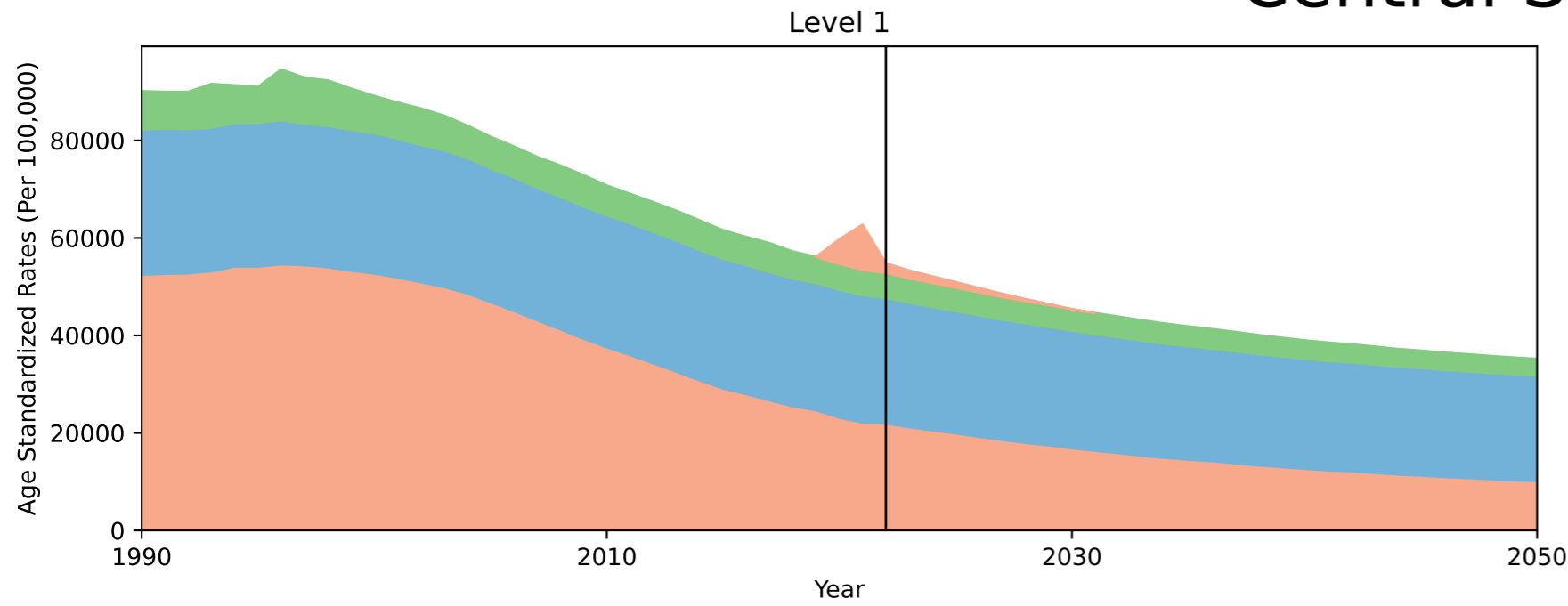
# Oceania



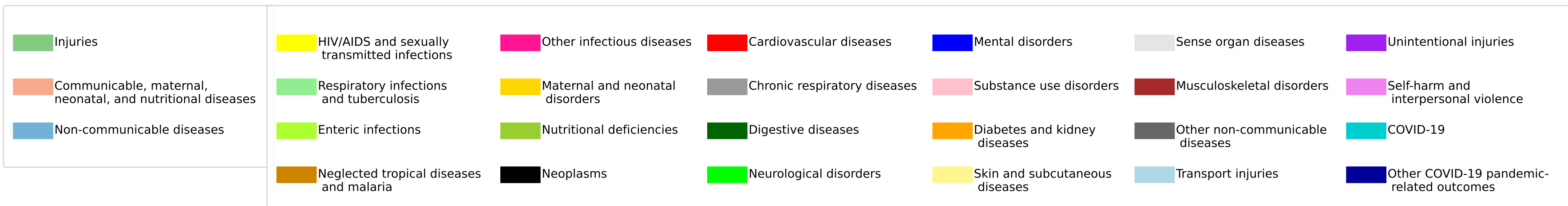
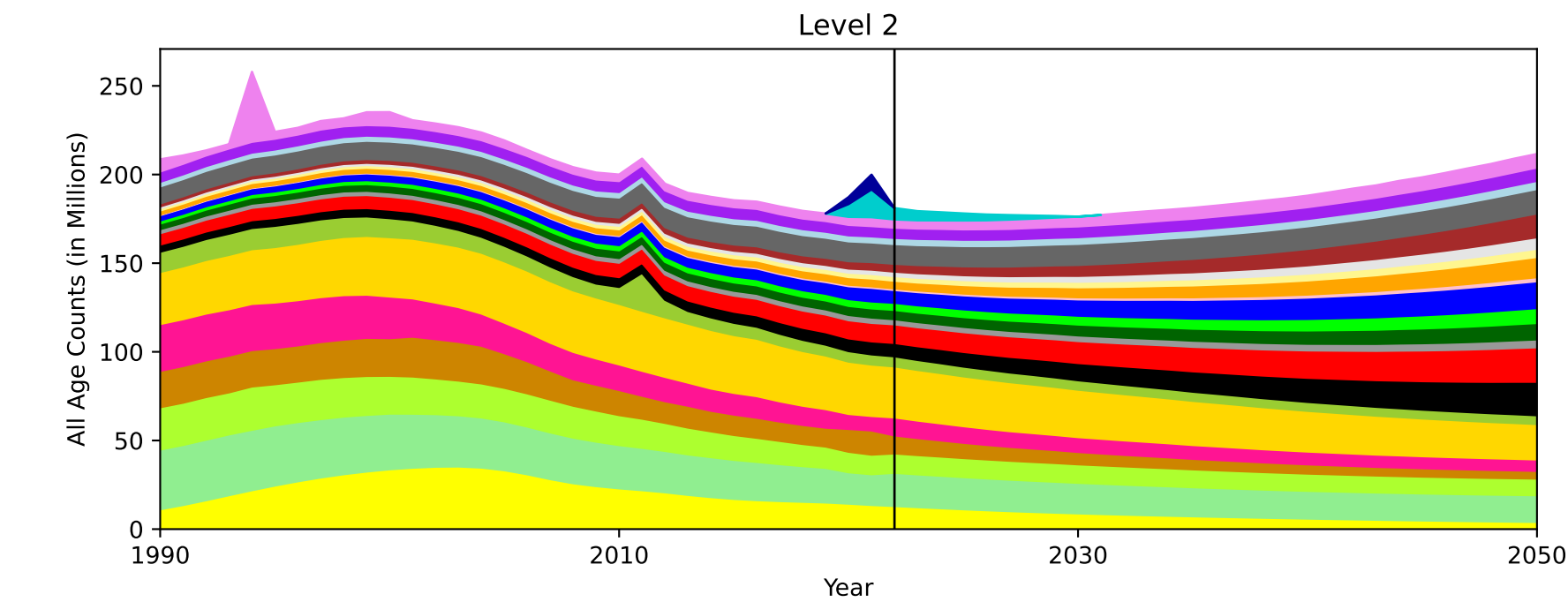
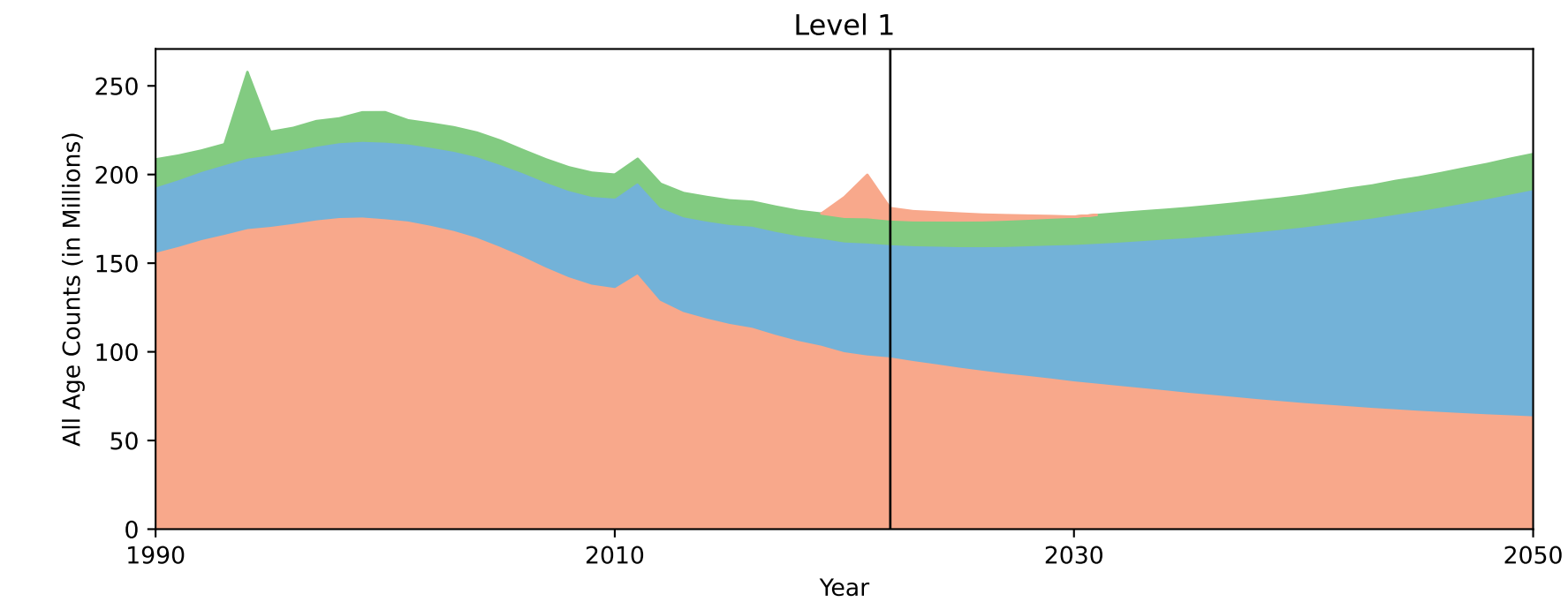
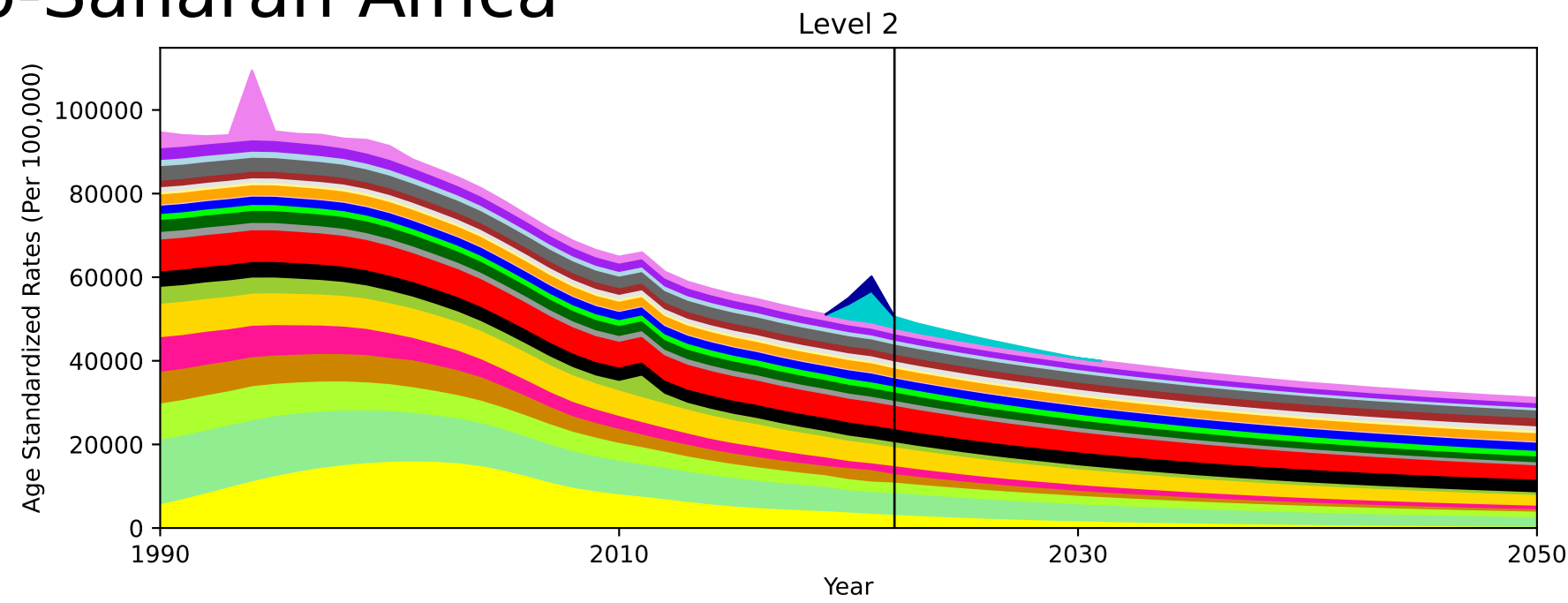
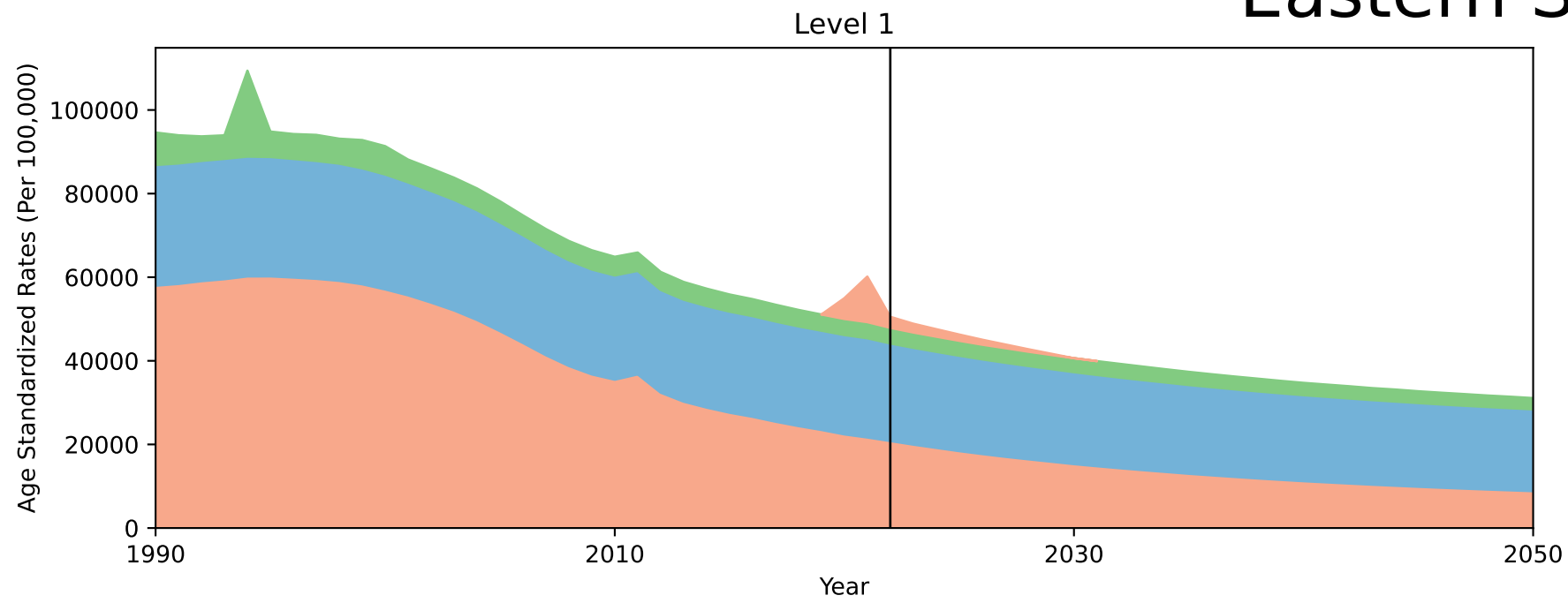
# Southeast Asia



# Central Sub-Saharan Africa

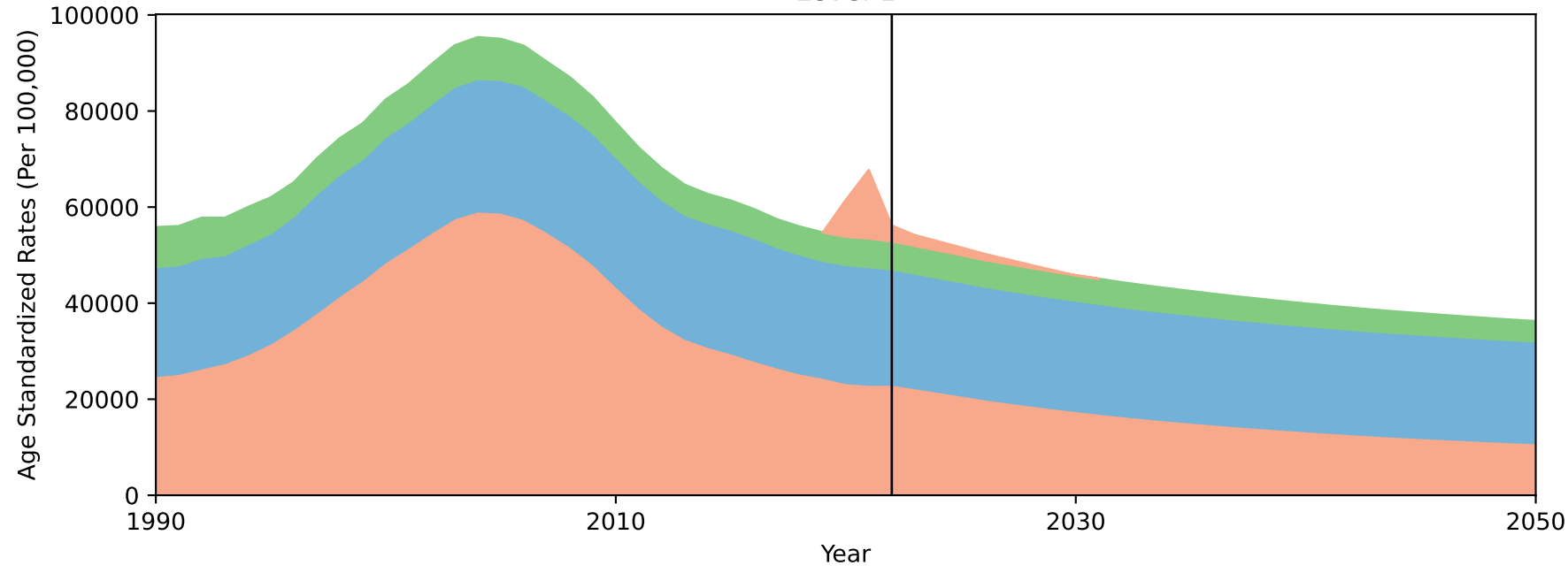


# Eastern Sub-Saharan Africa

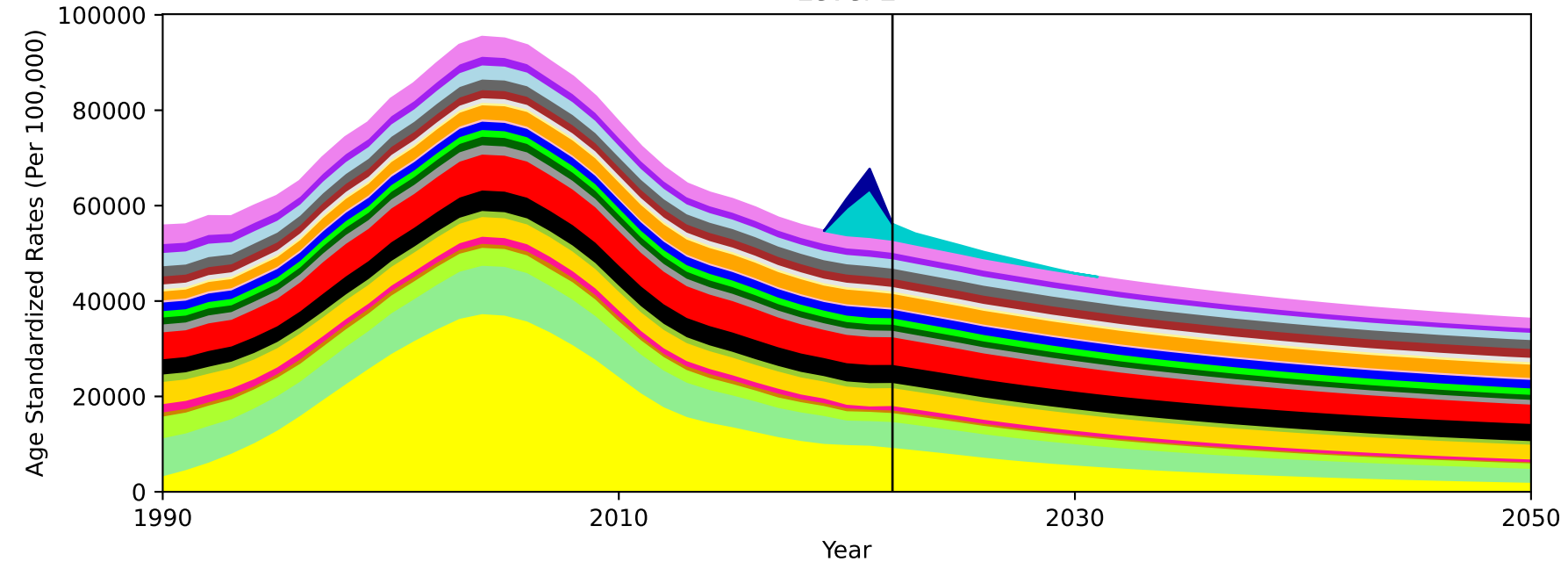


# Southern Sub-Saharan Africa

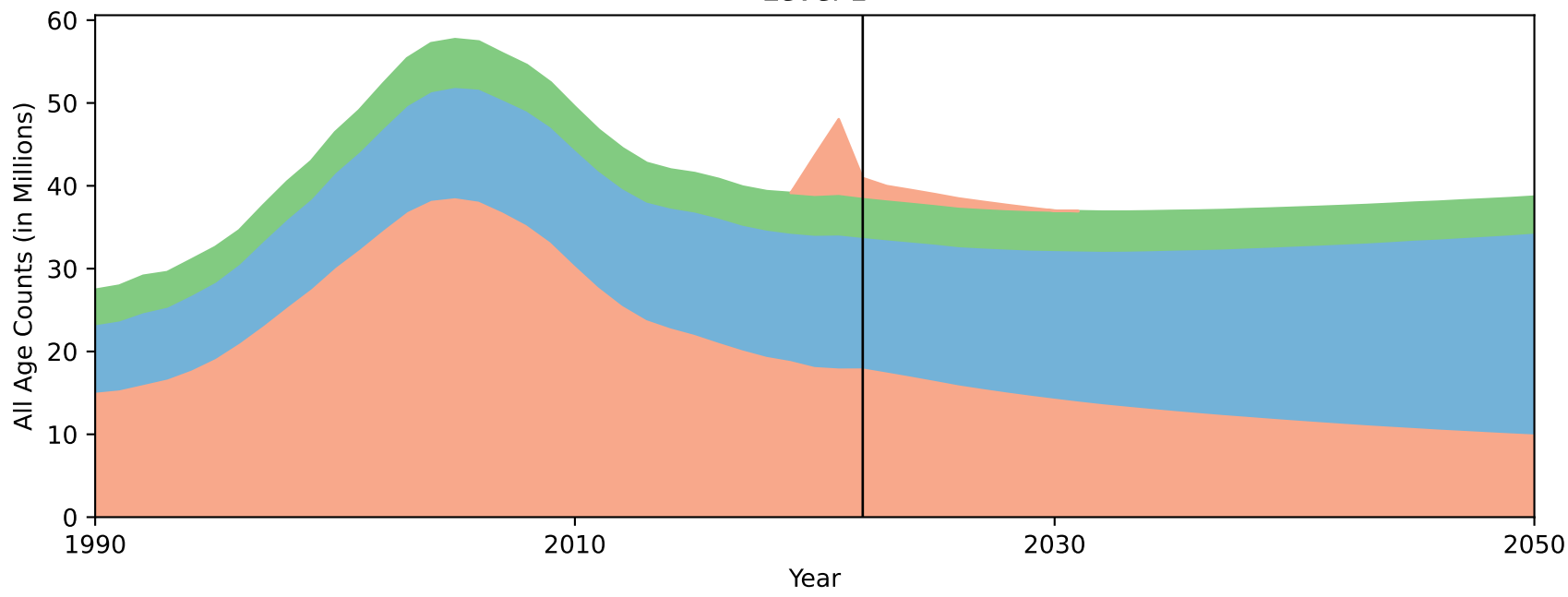
Level 1



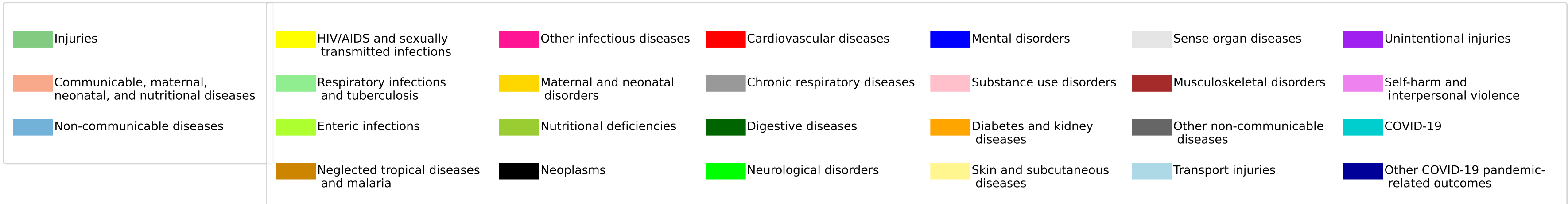
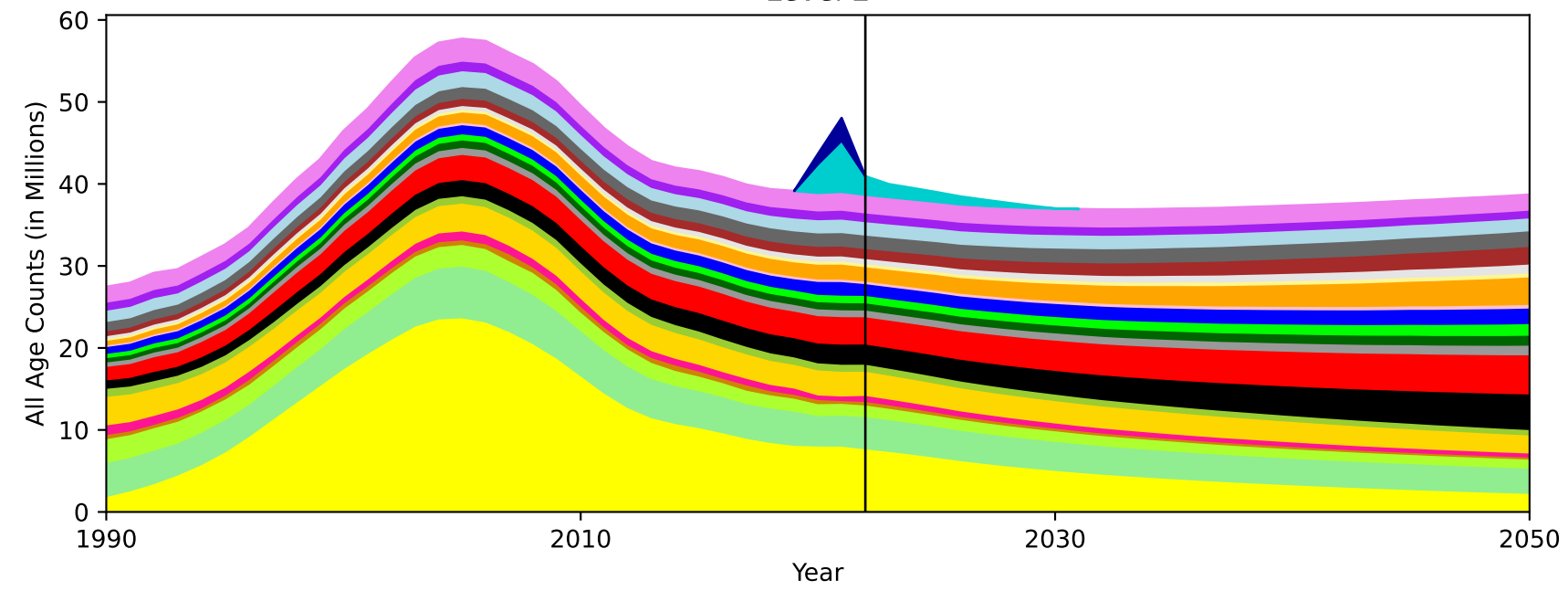
Level 2



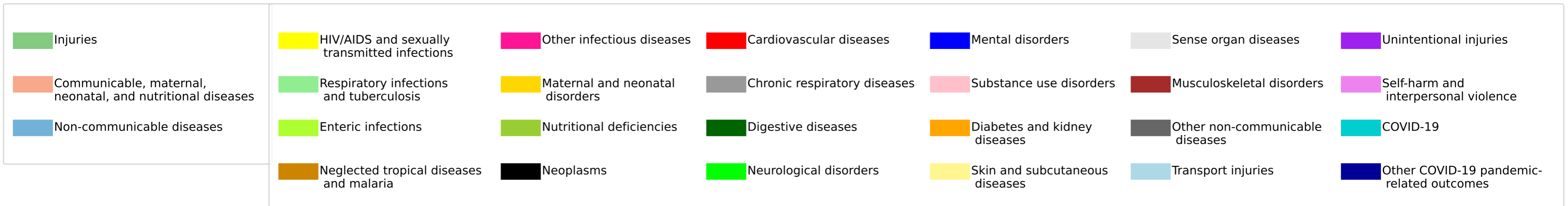
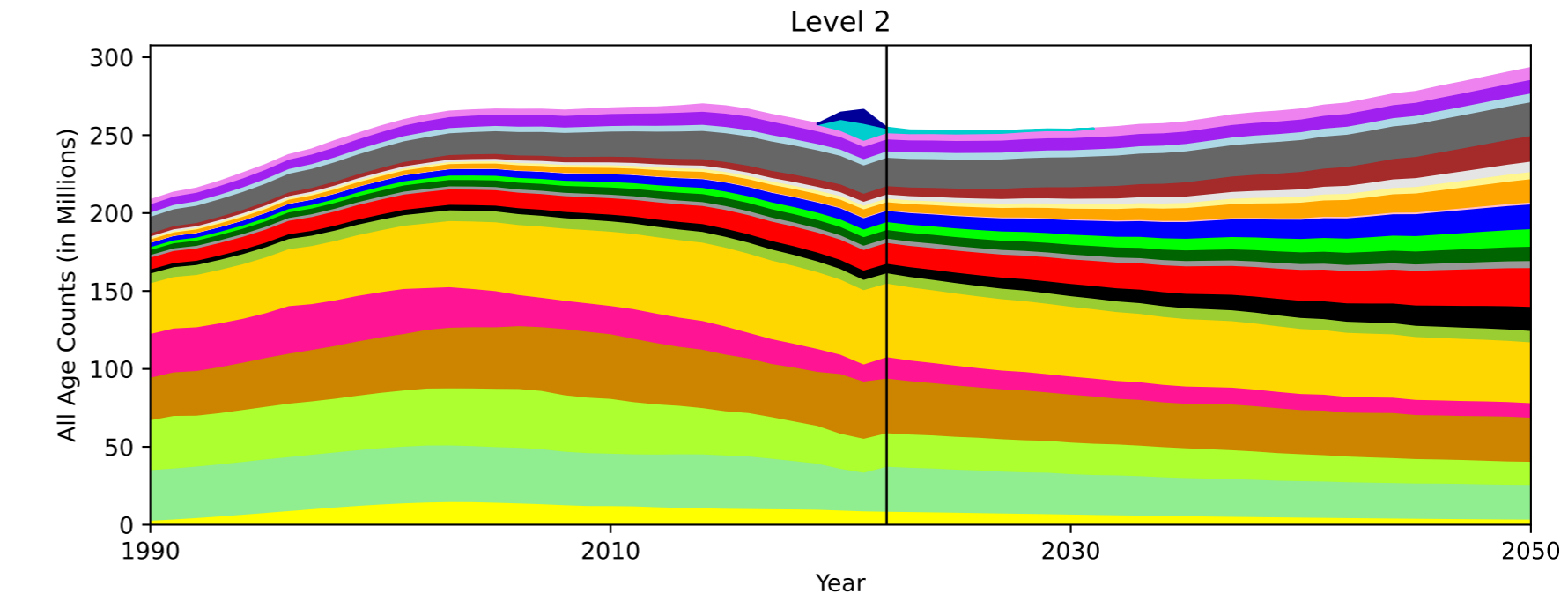
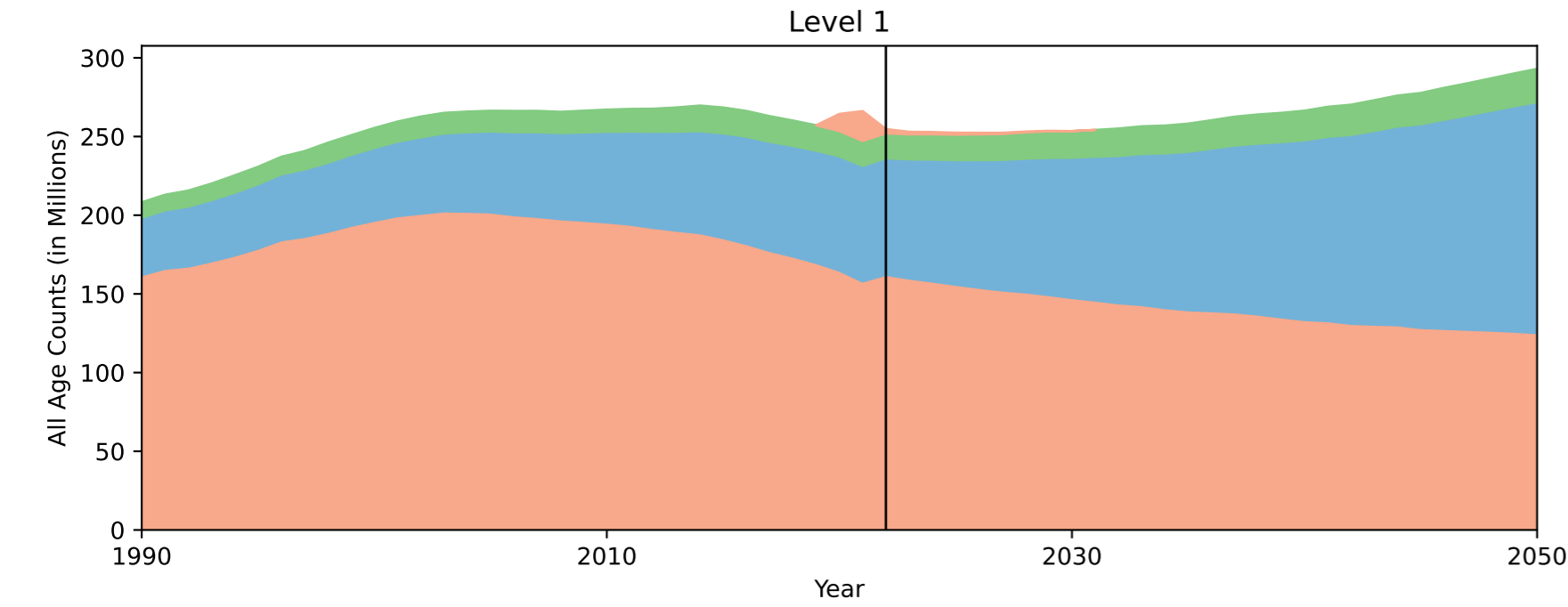
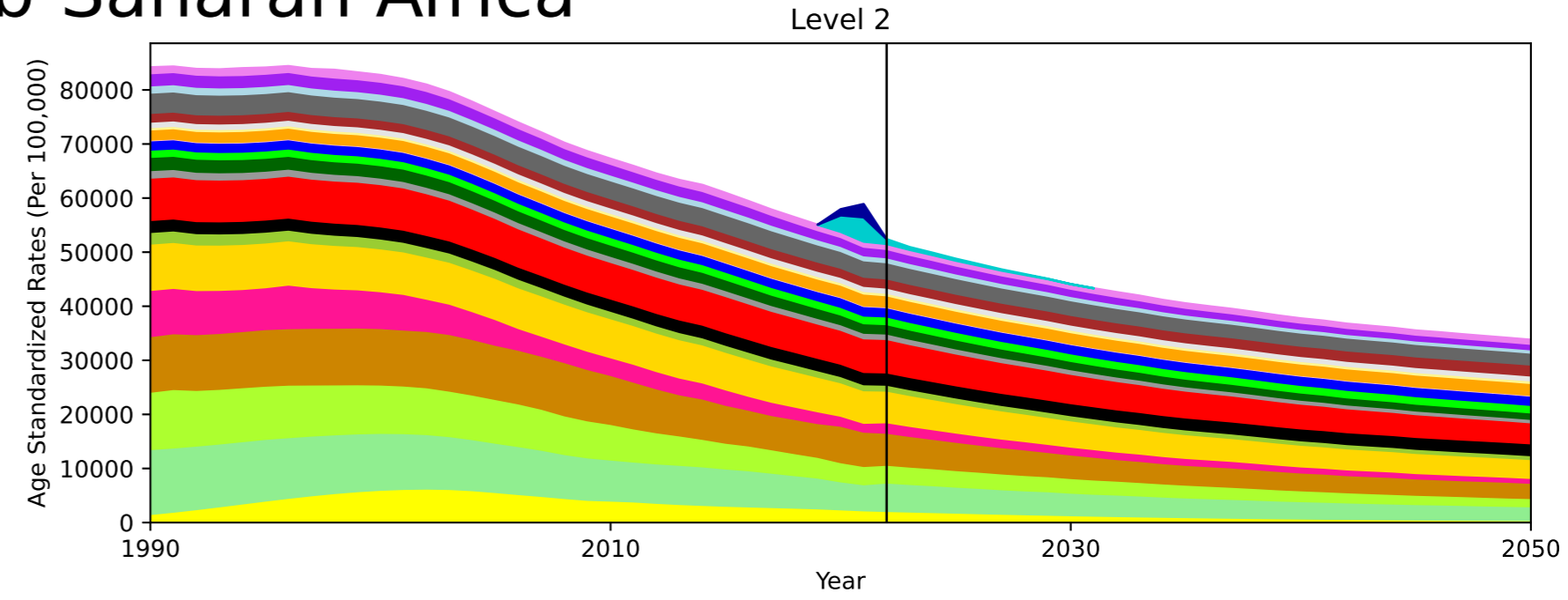
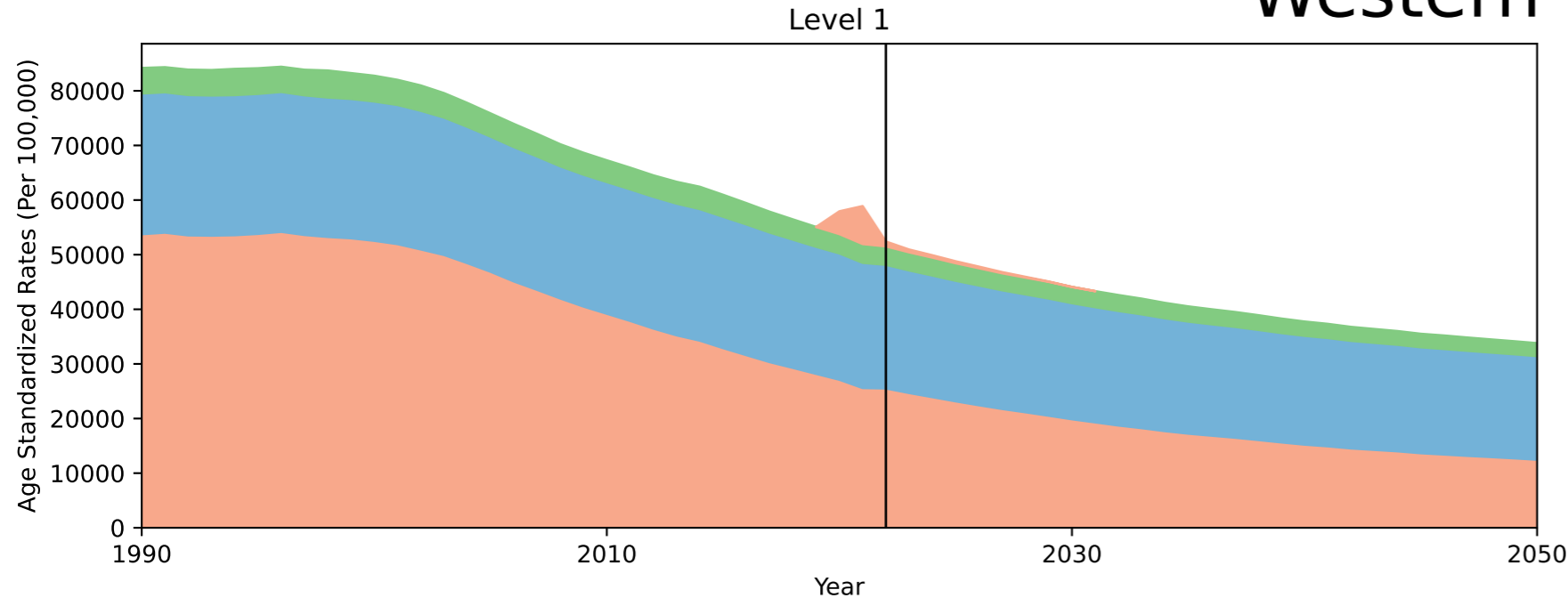
Level 1



Level 2

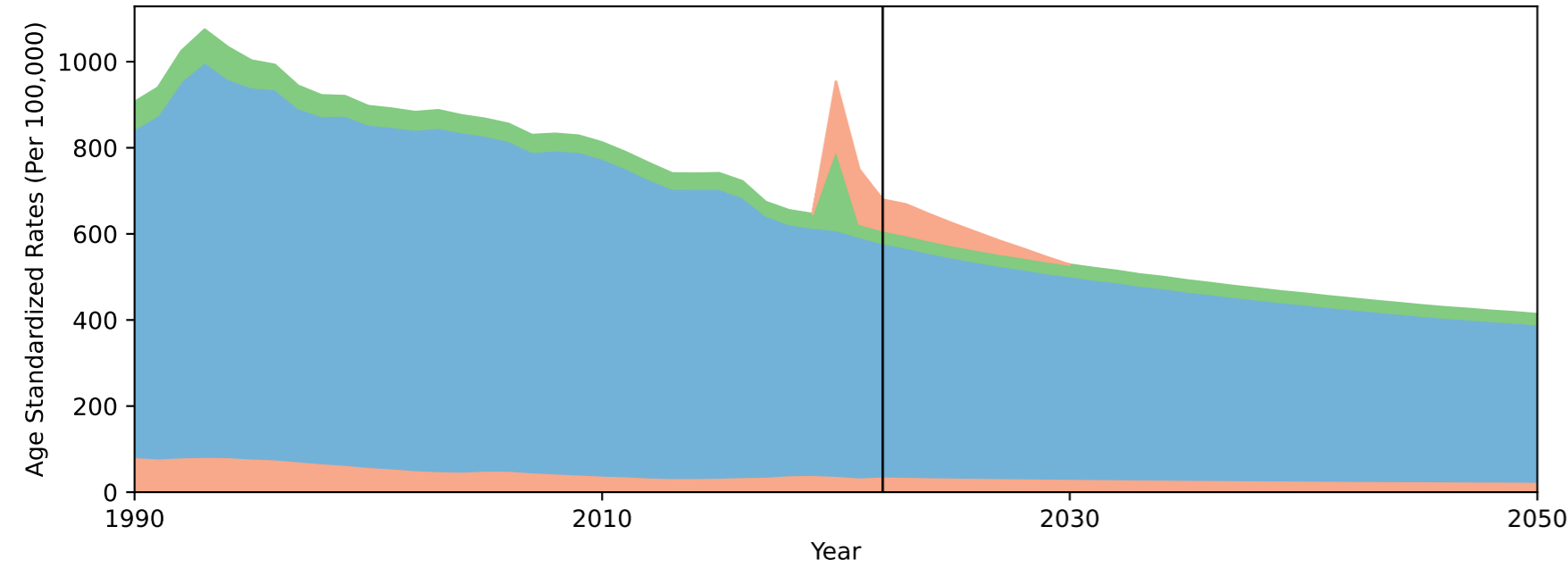


# Western Sub-Saharan Africa

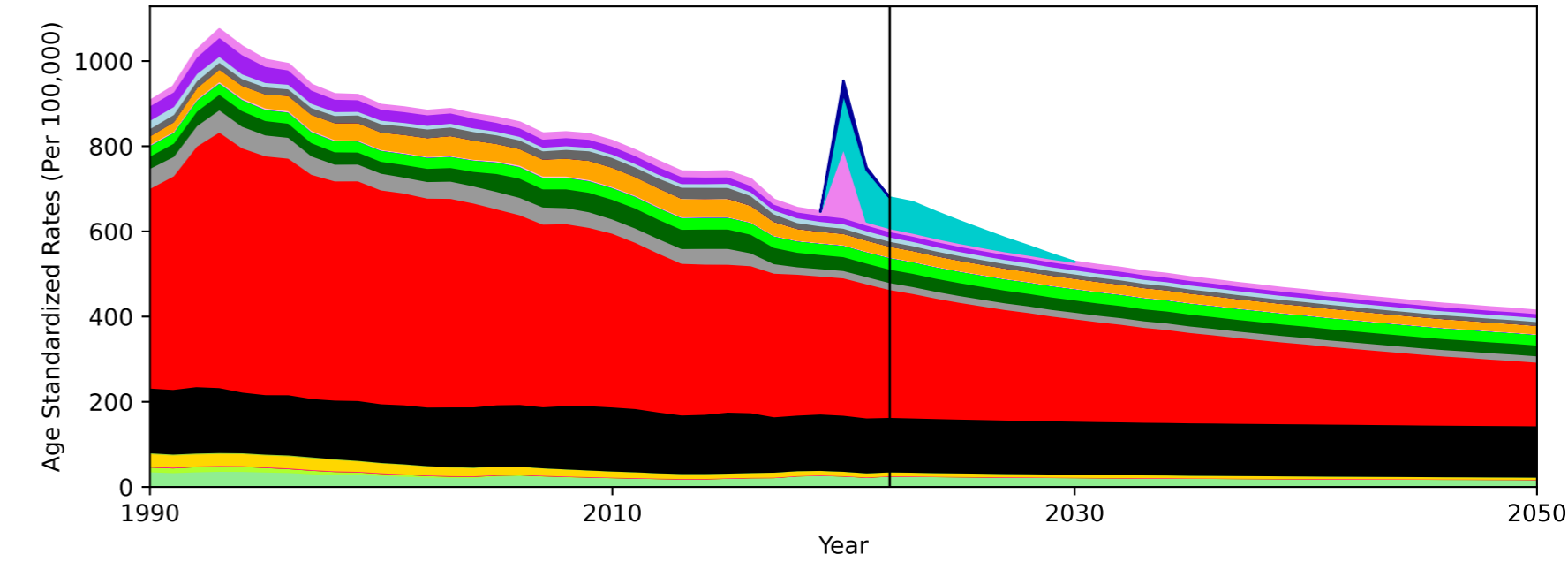


# Armenia

Level 1



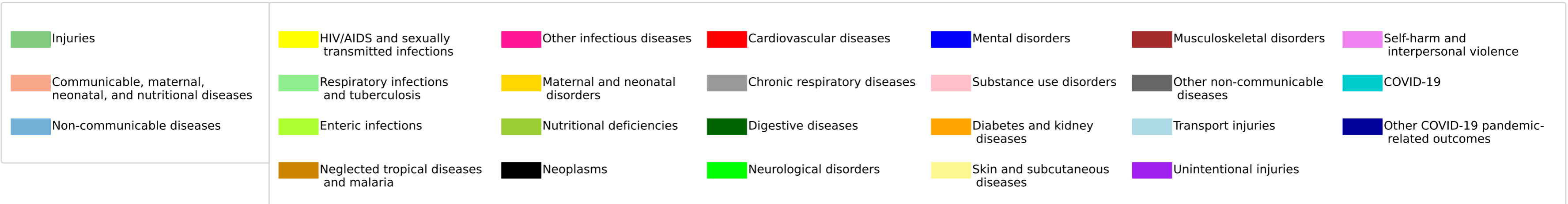
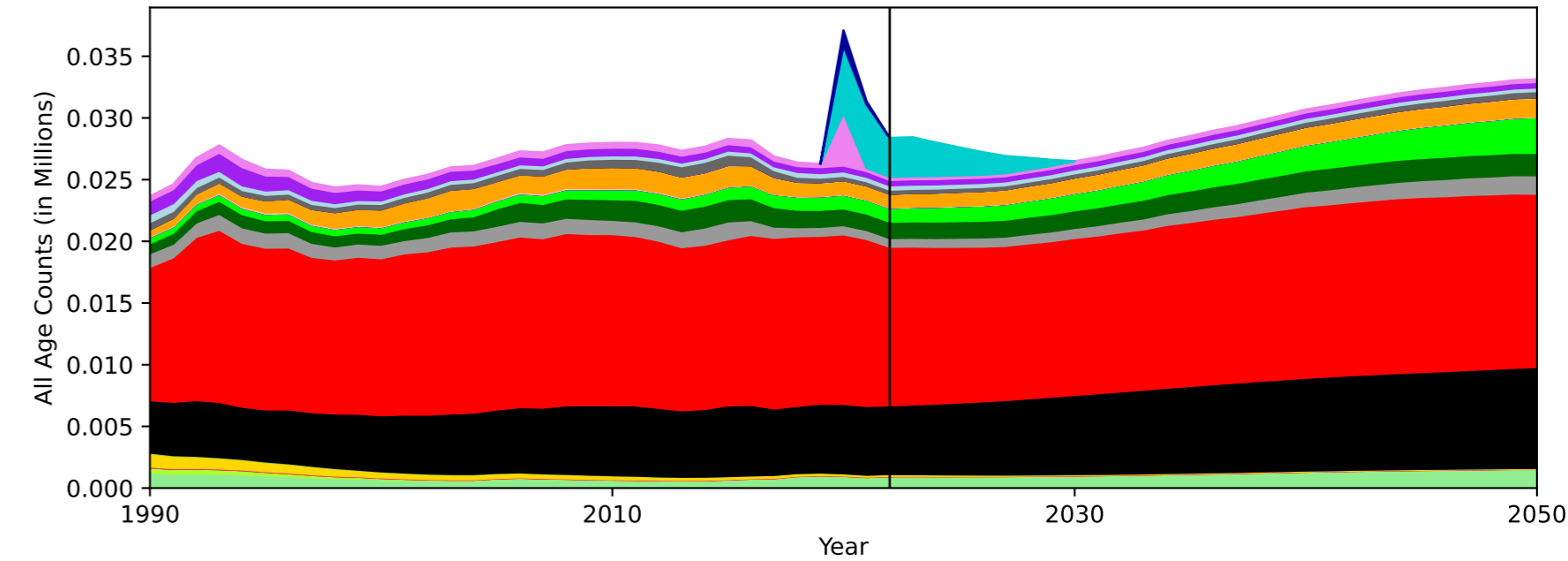
Level 2



Level 1

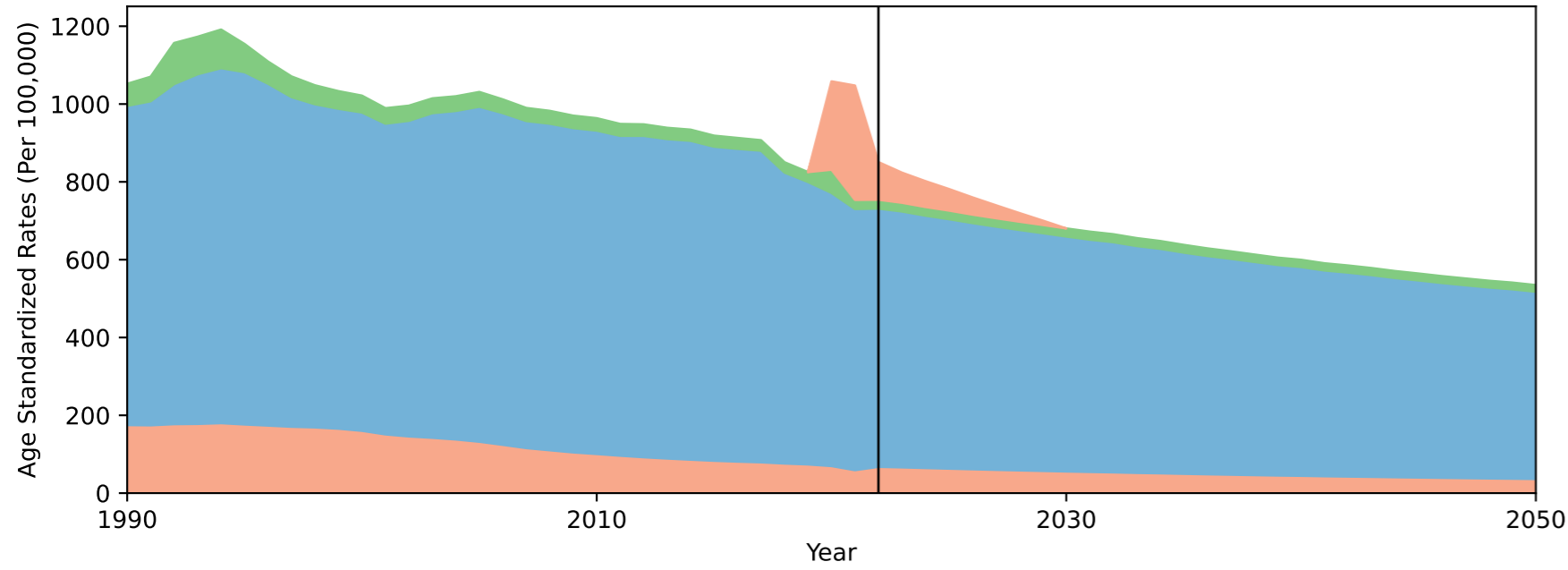


Level 2

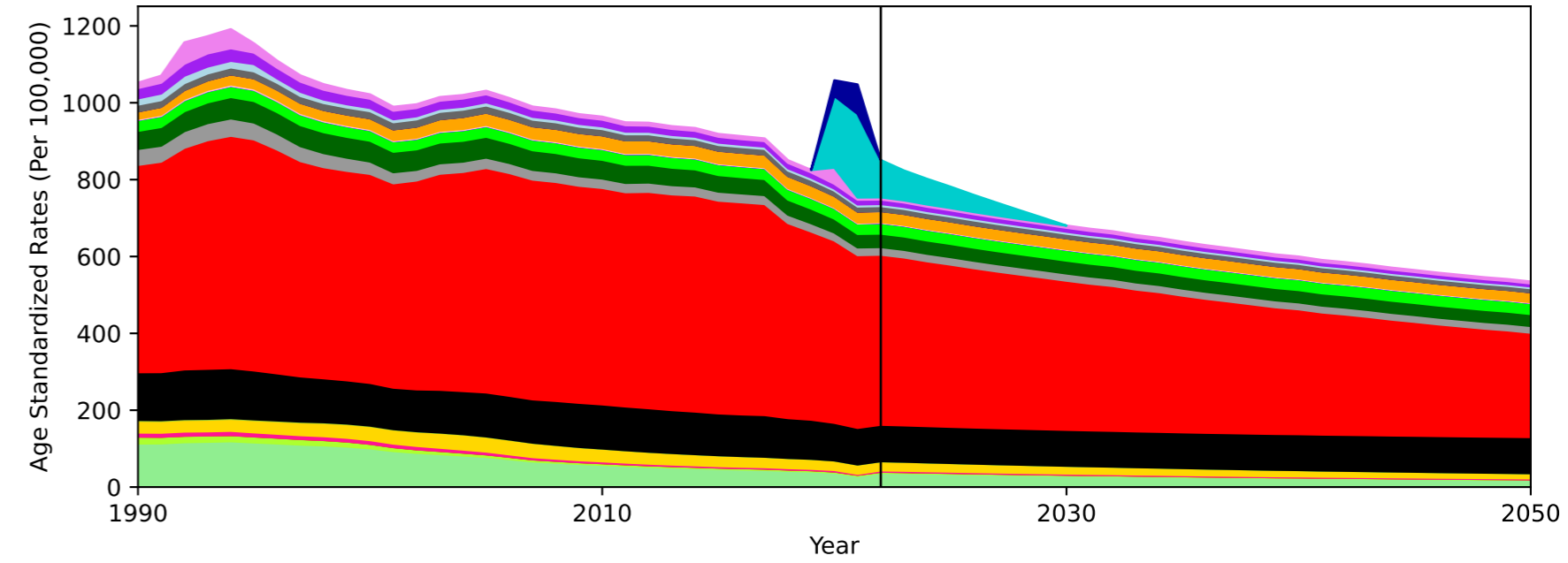


# Azerbaijan

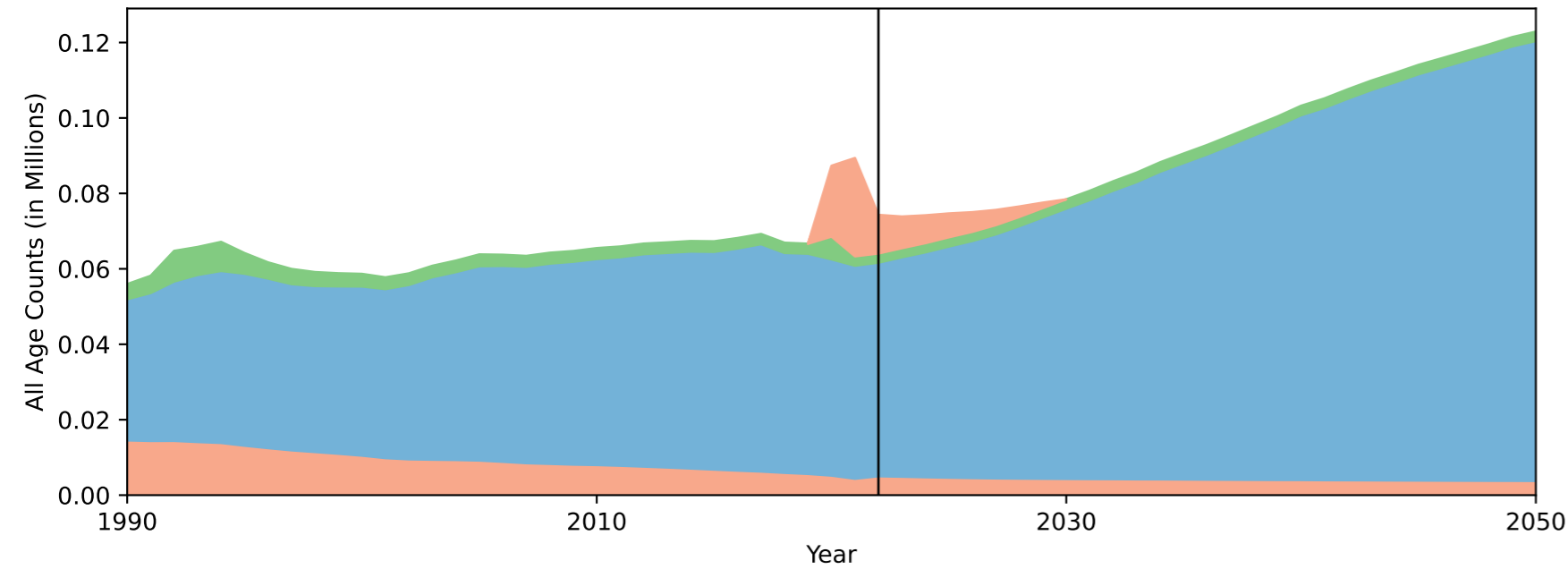
Level 1



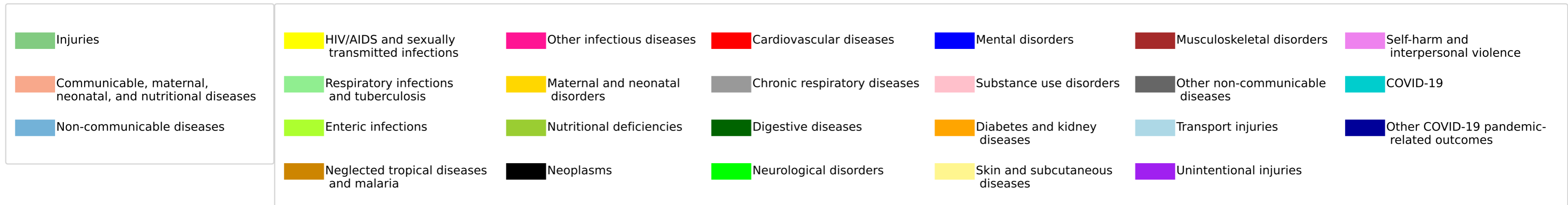
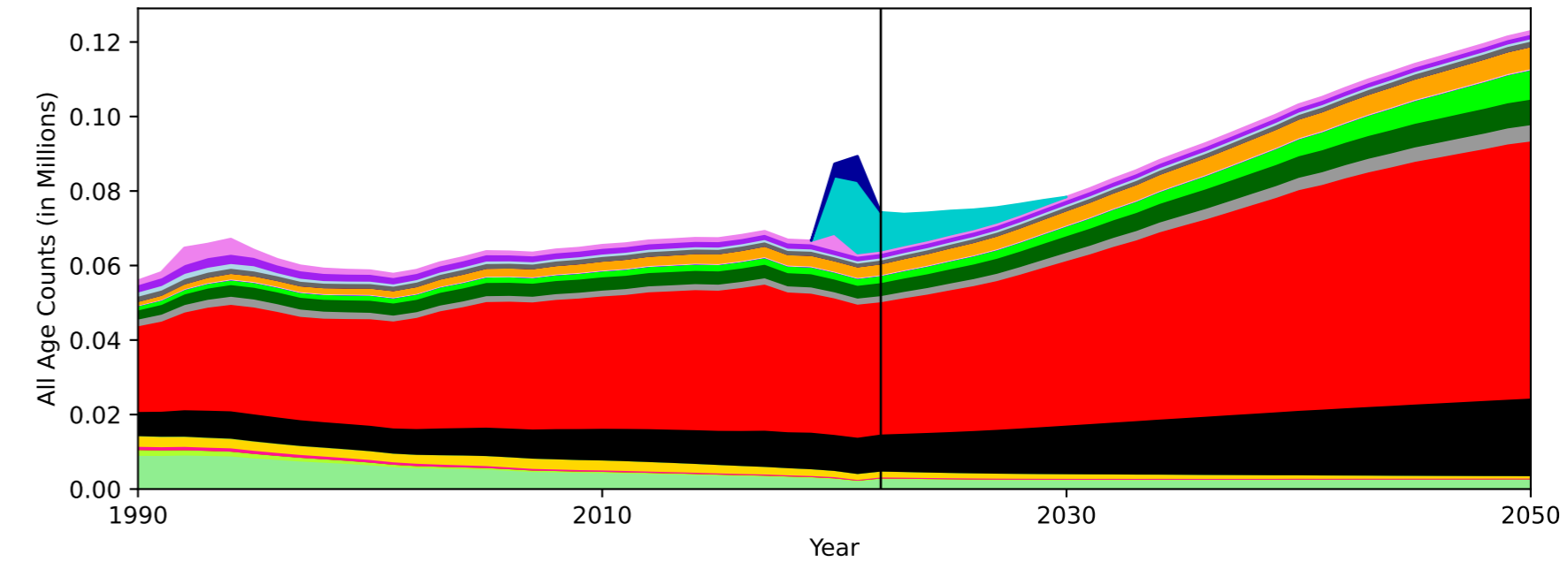
Level 2



Level 1

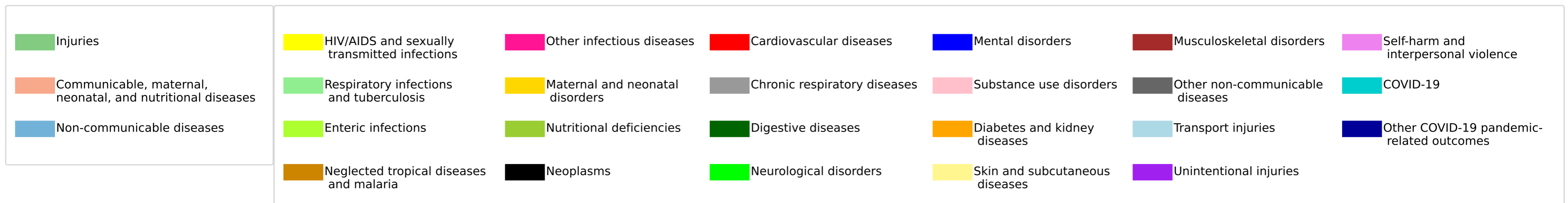
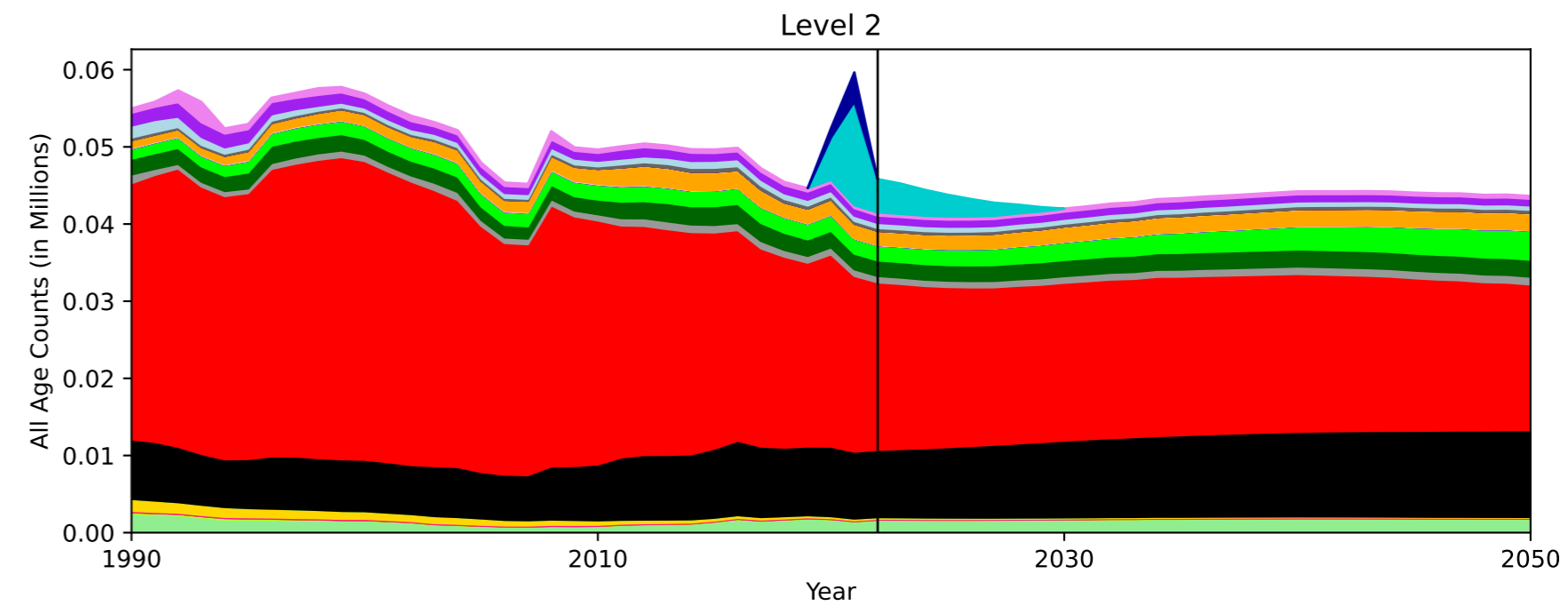
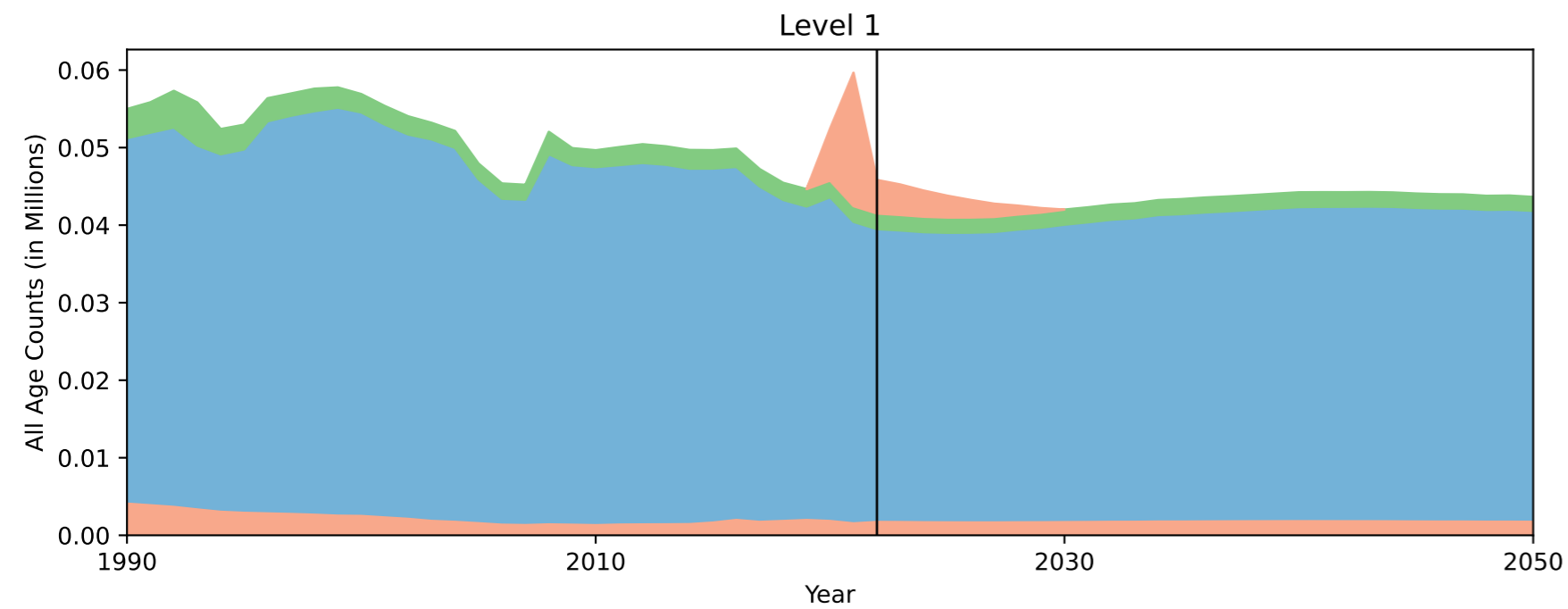
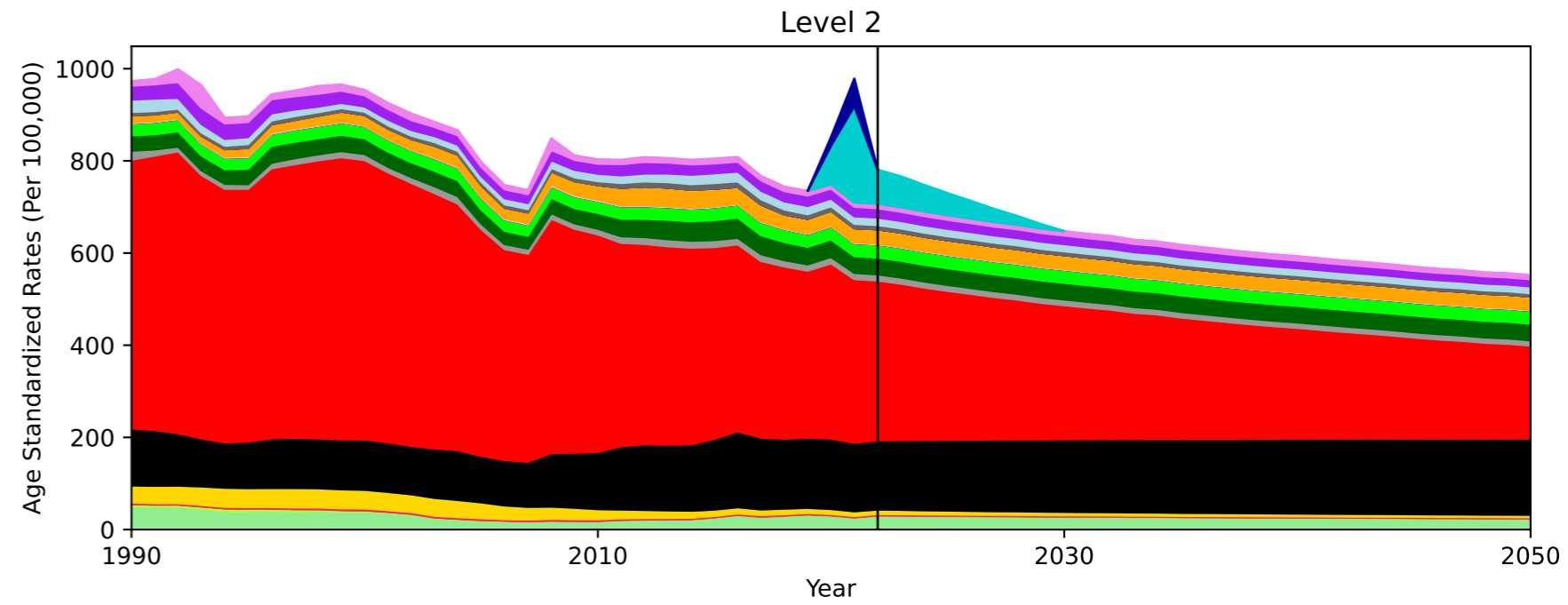
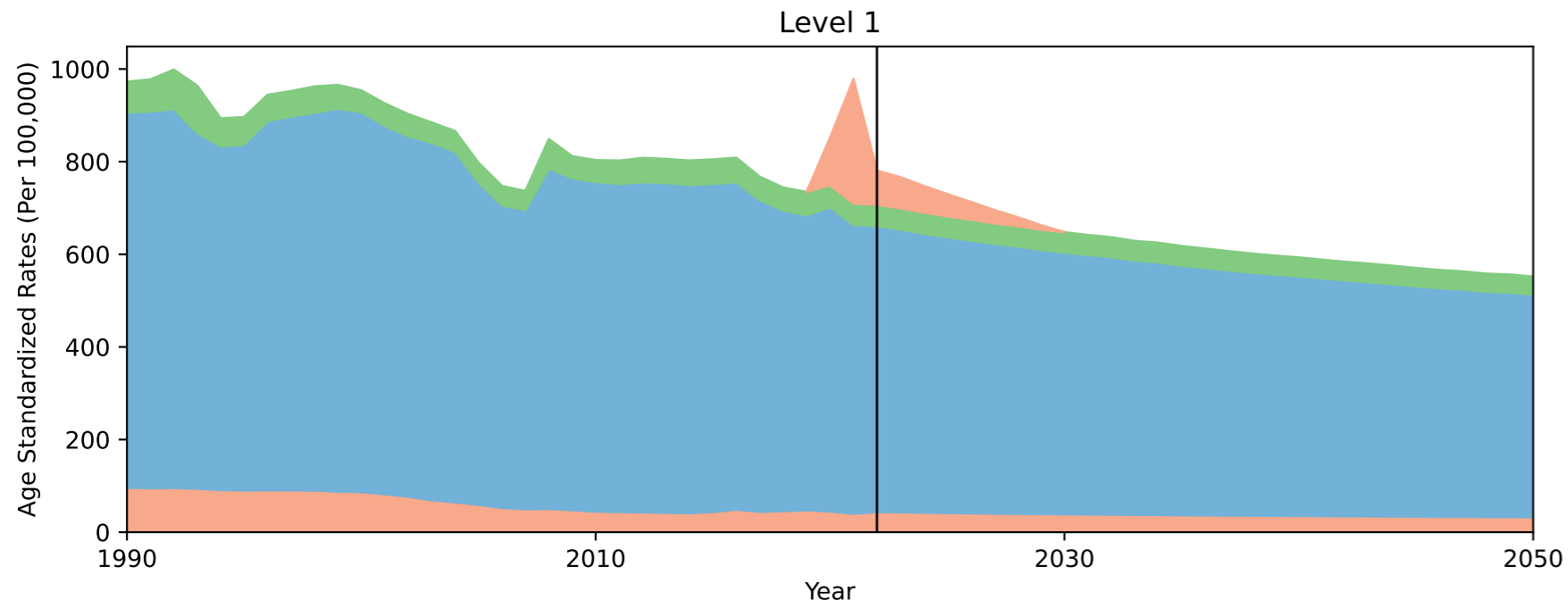


Level 2



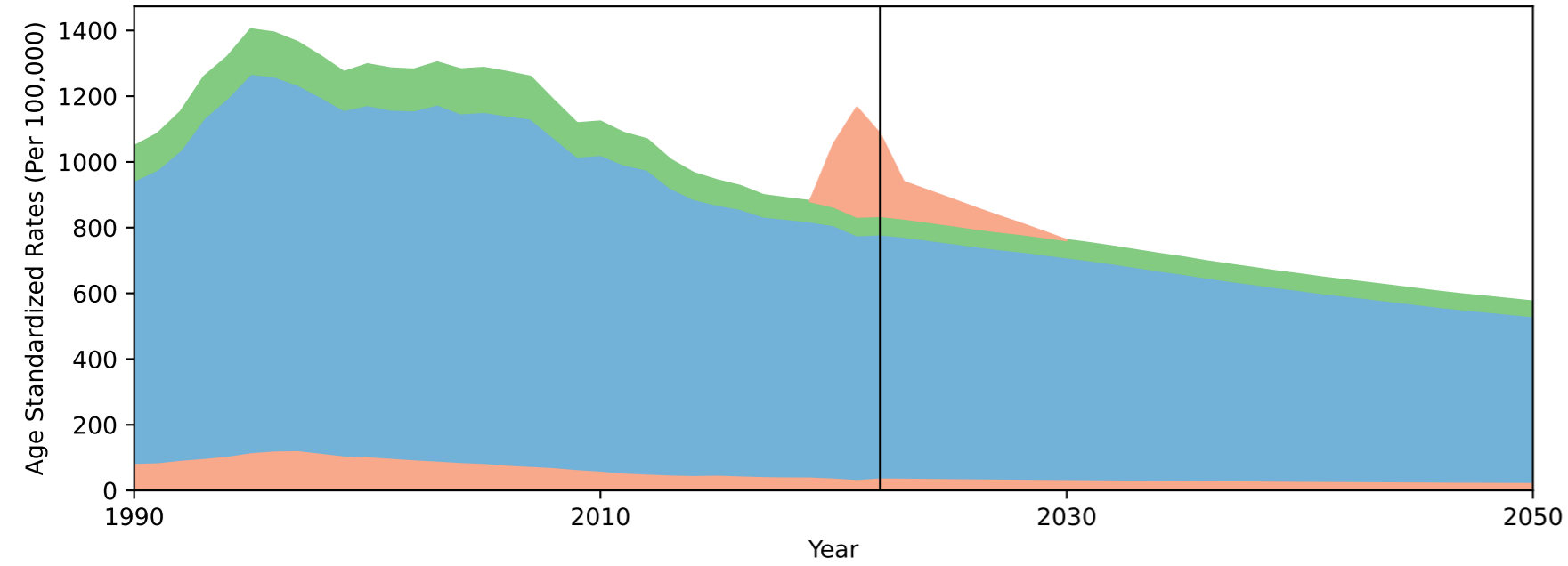


# Georgia

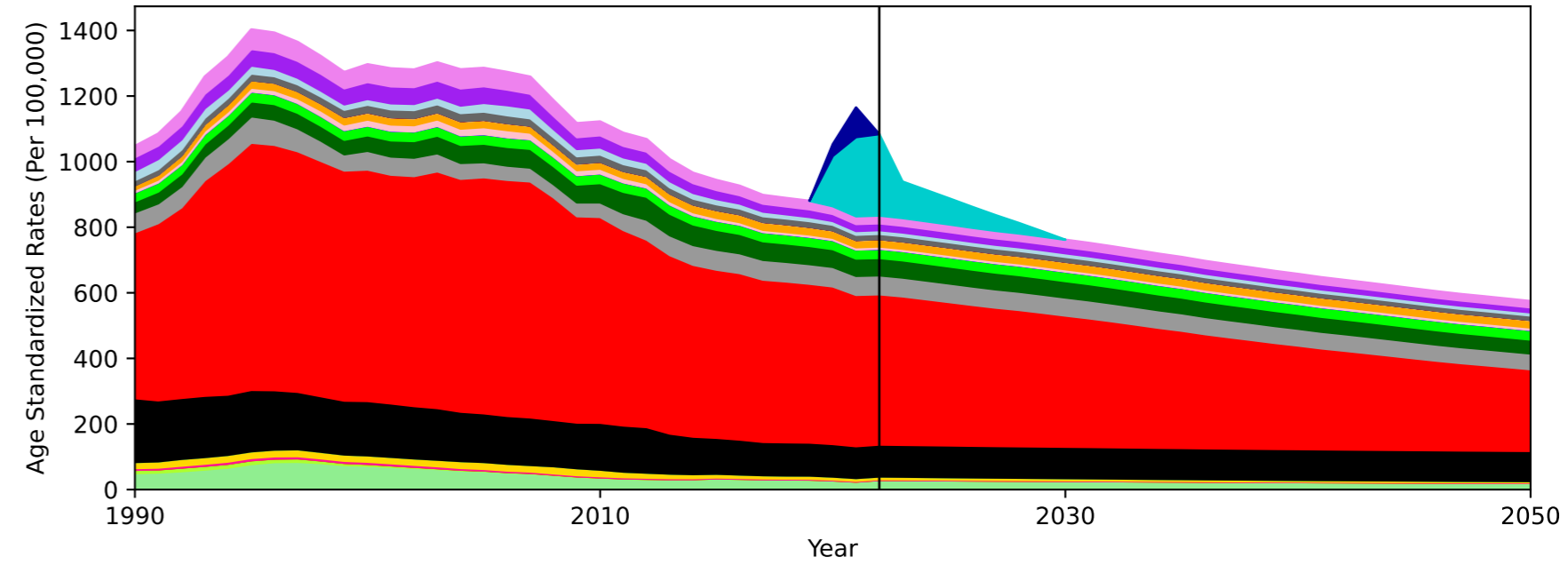


# Kazakhstan

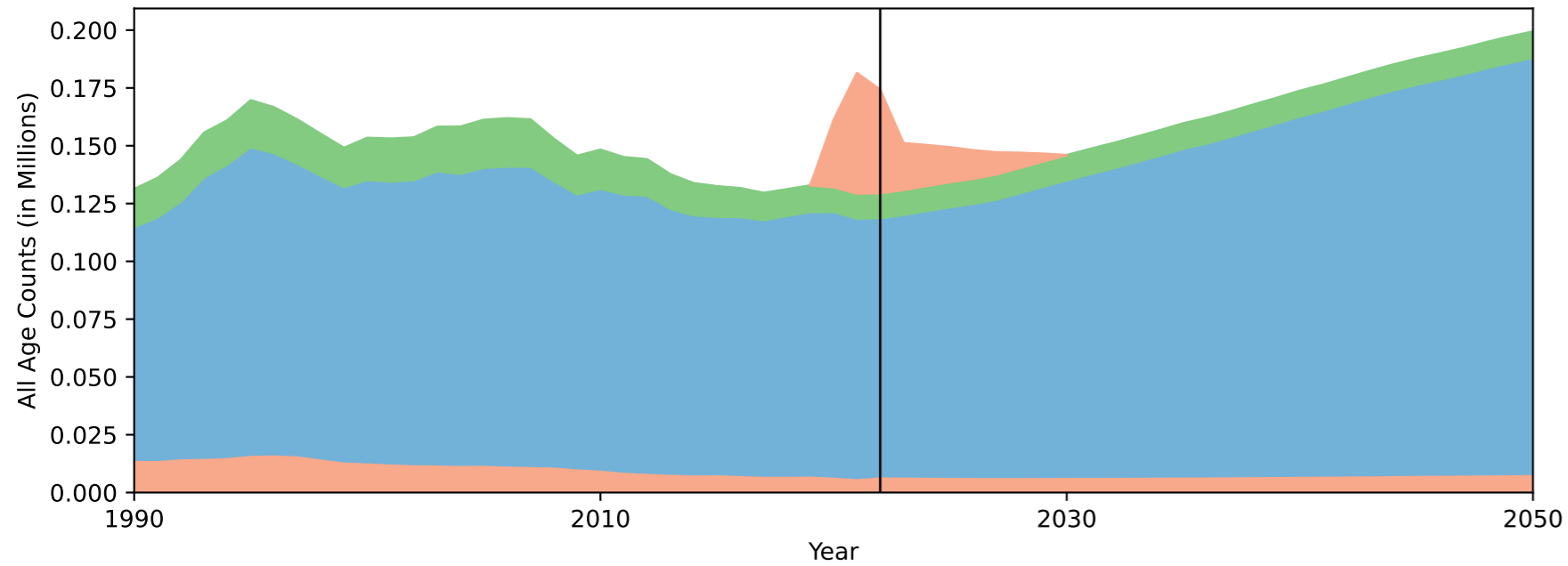
Level 1



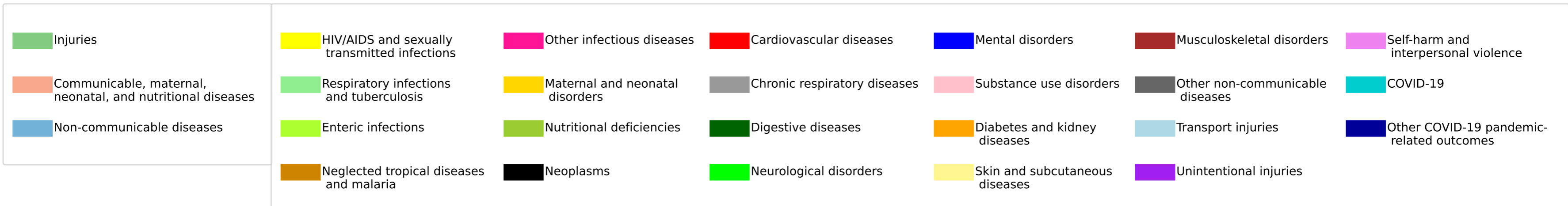
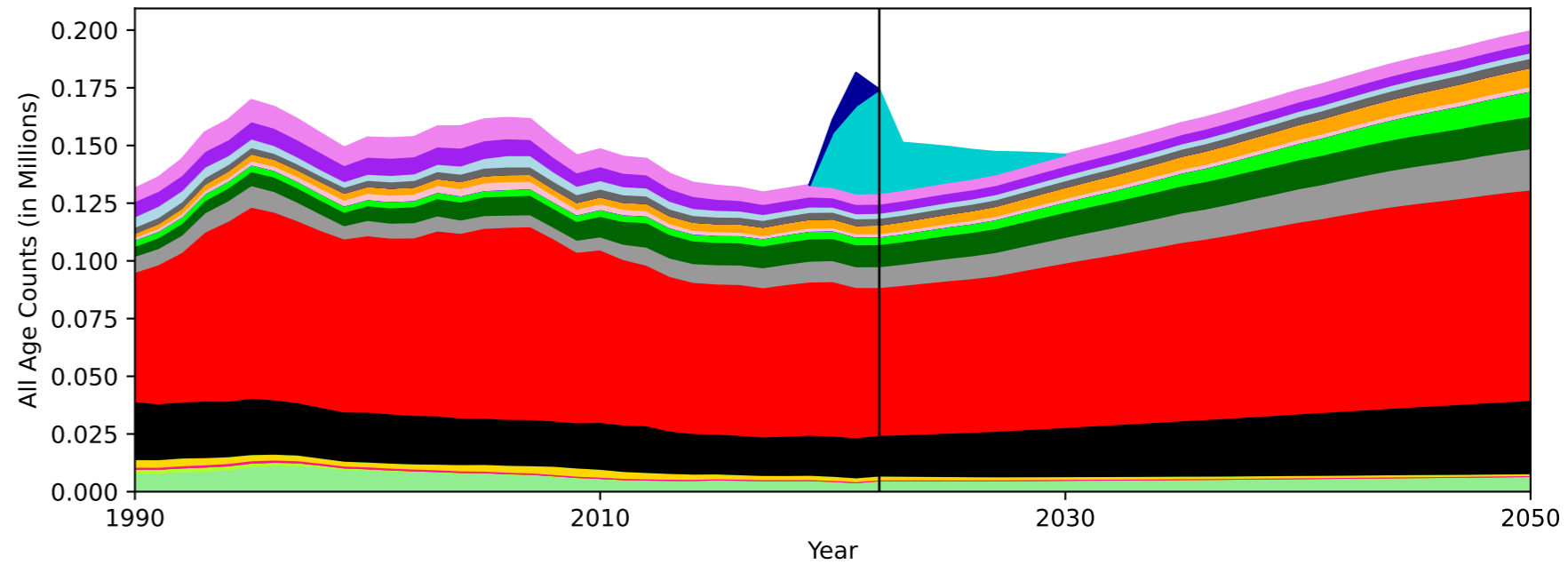
Level 2



Level 1

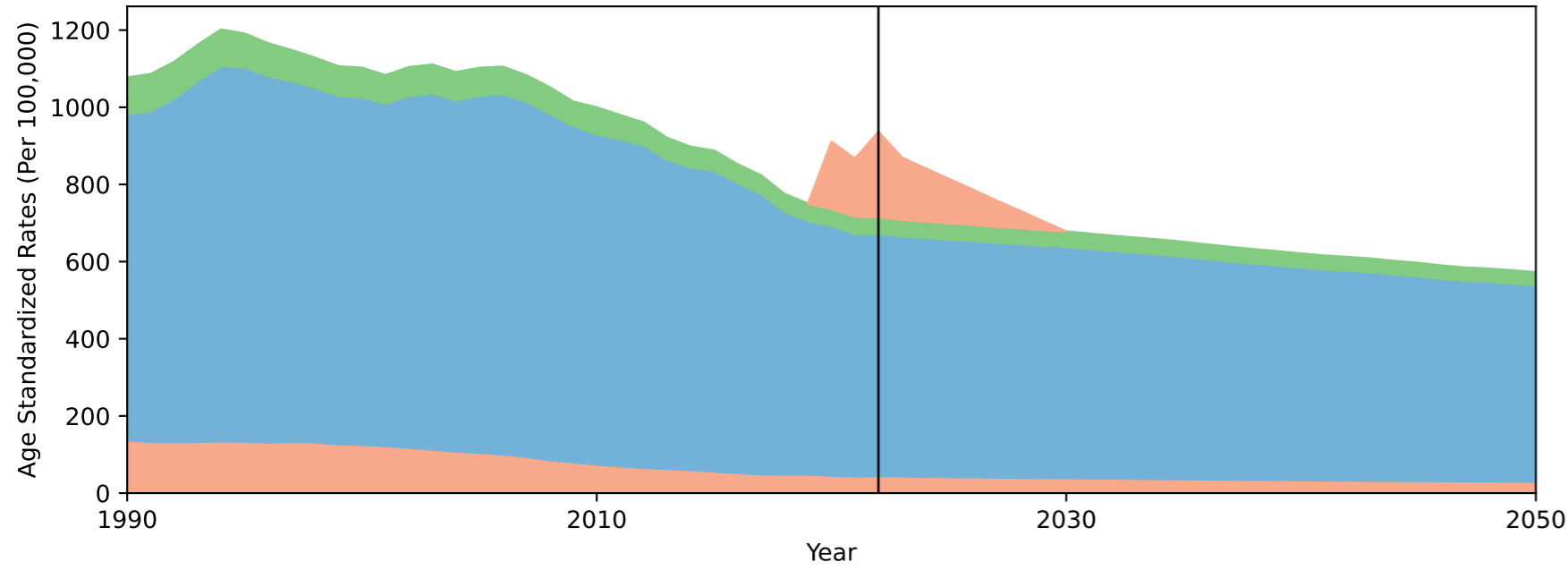


Level 2

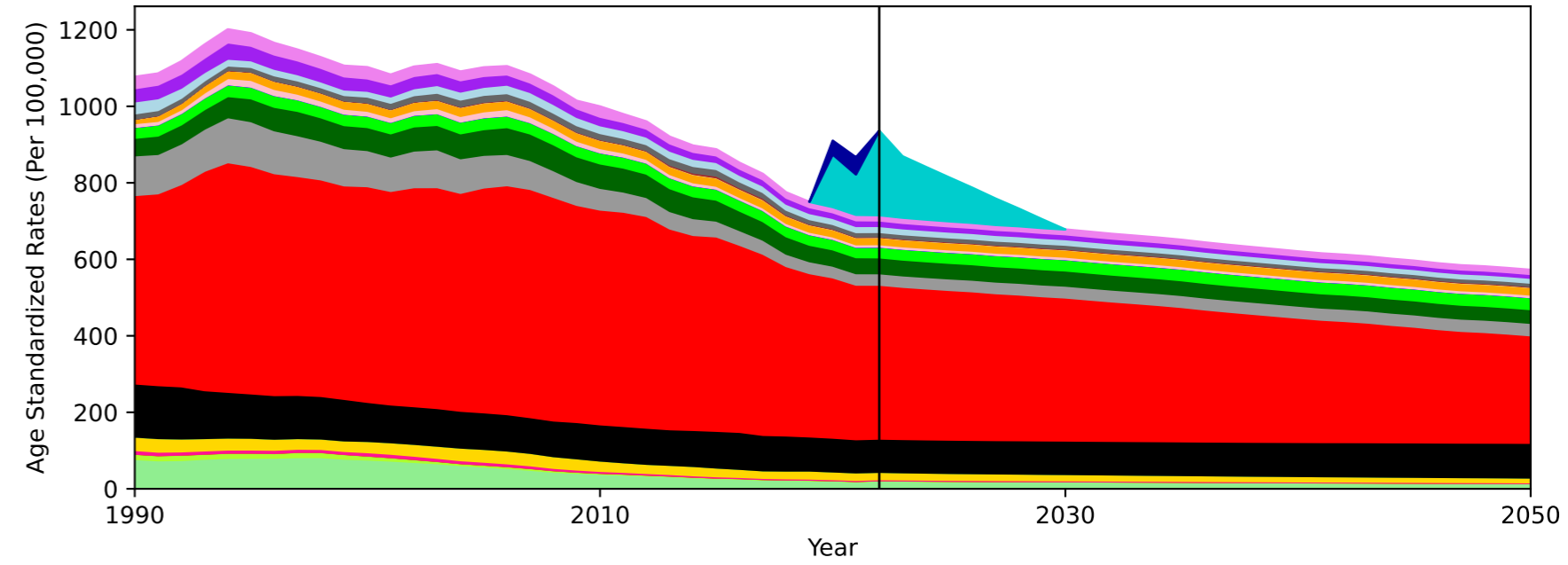


# Kyrgyzstan

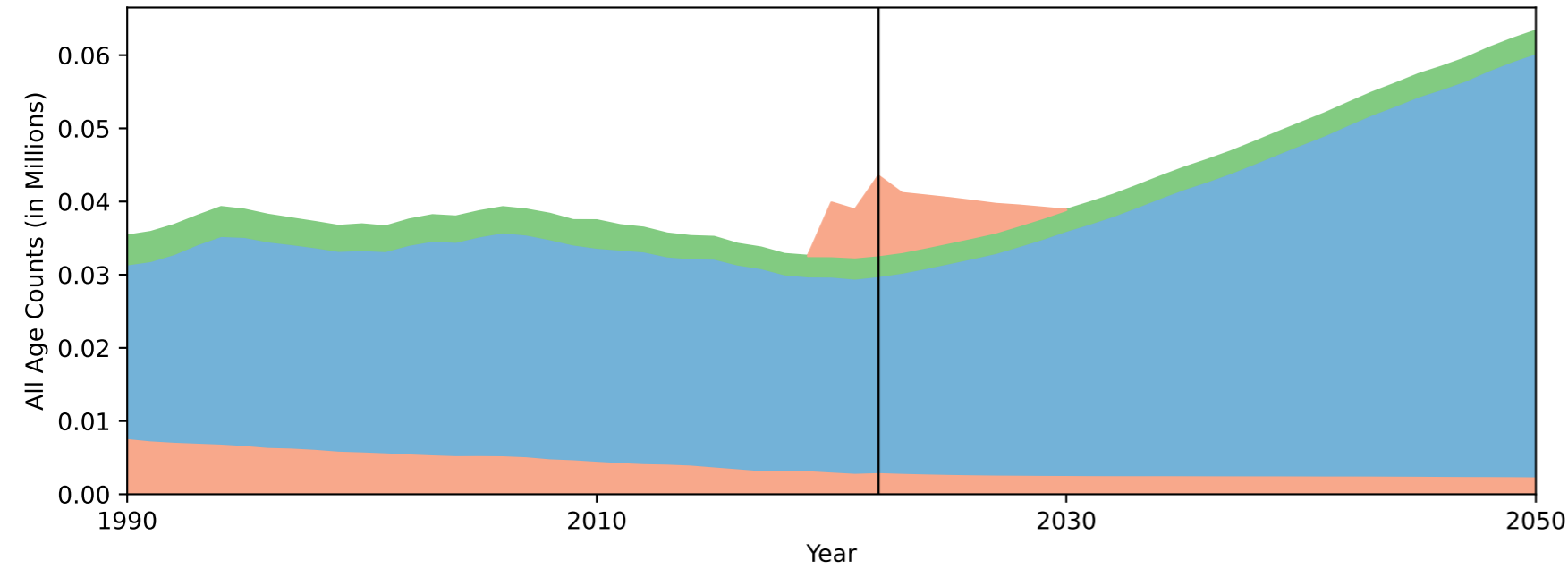
Level 1



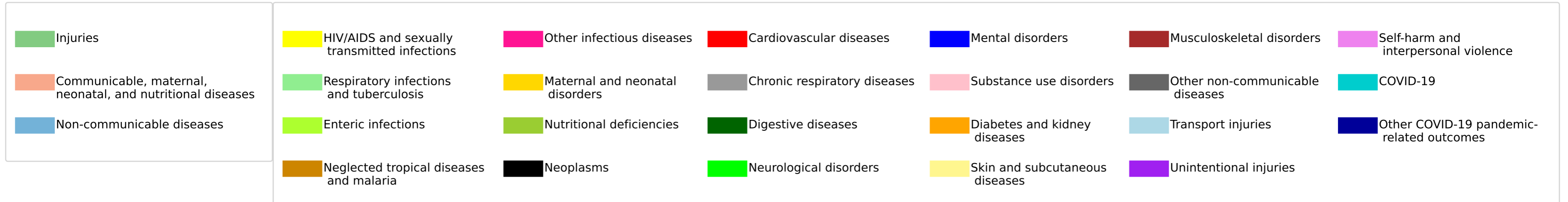
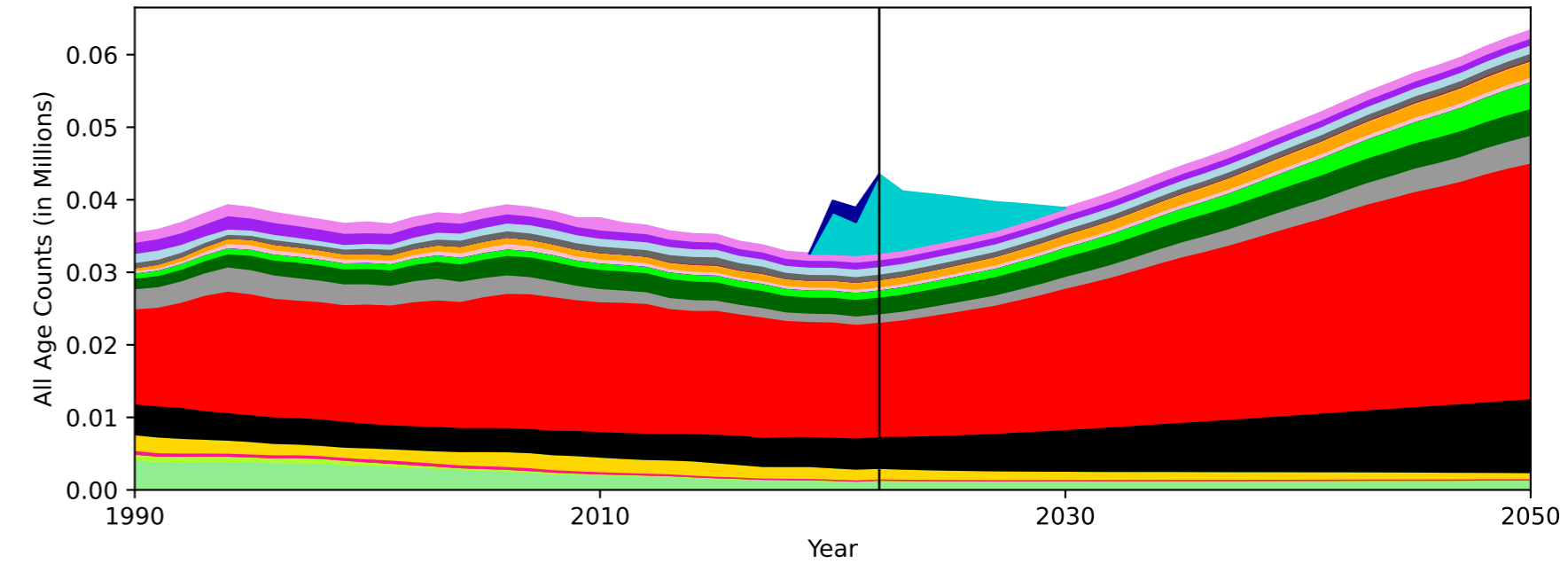
Level 2



Level 1

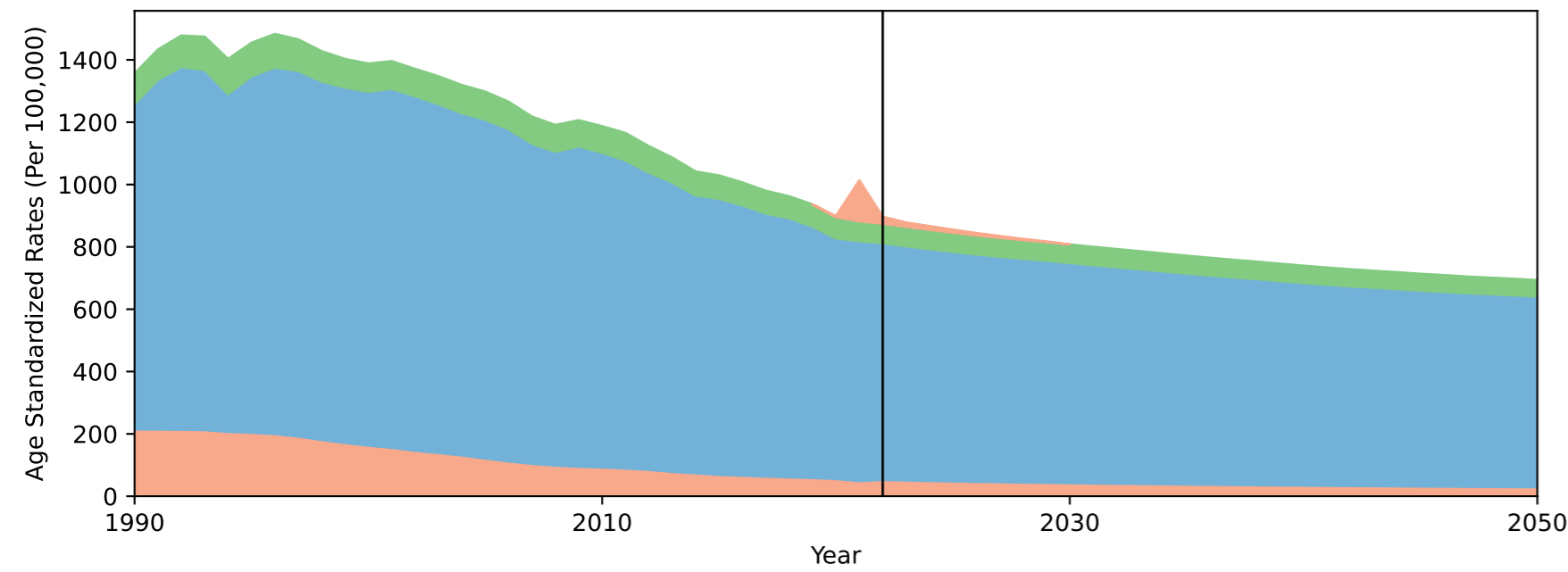


Level 2

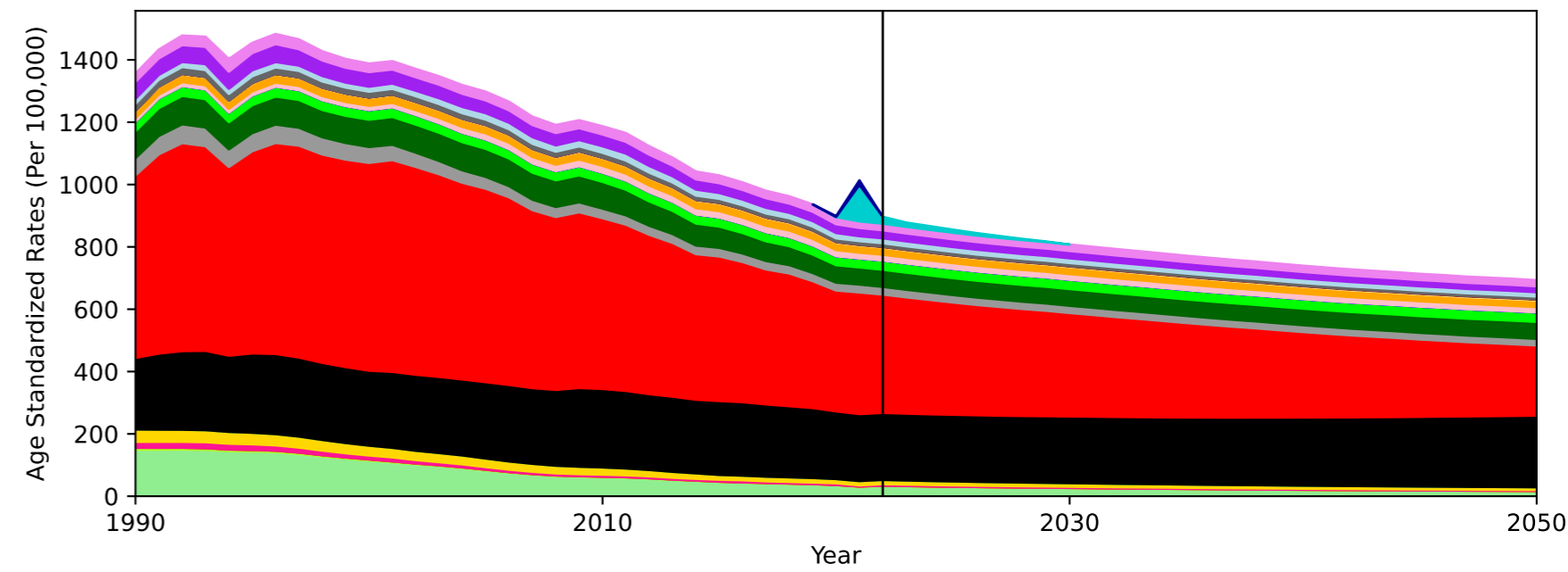


# Mongolia

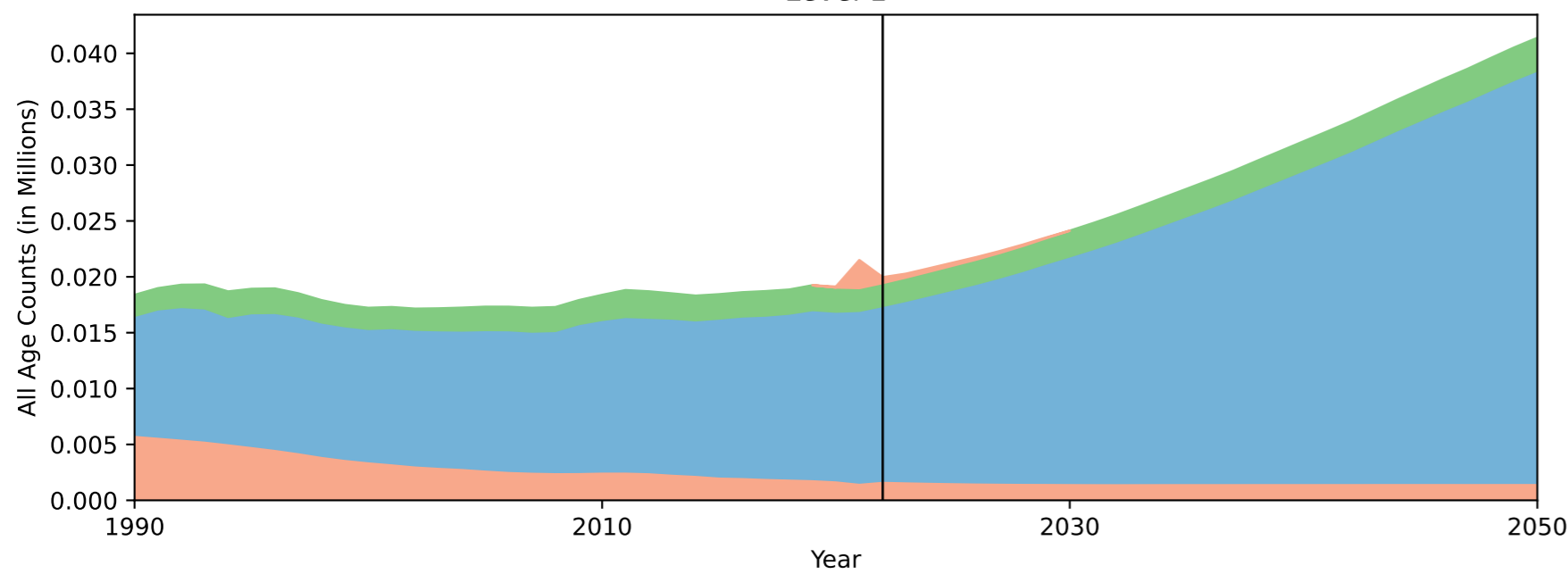
Level 1



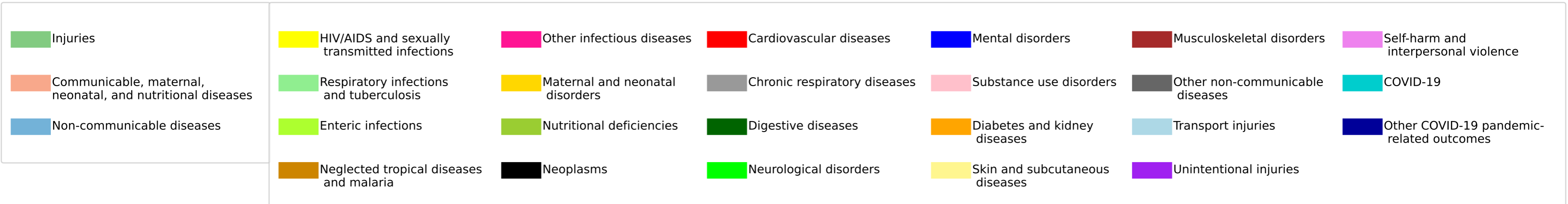
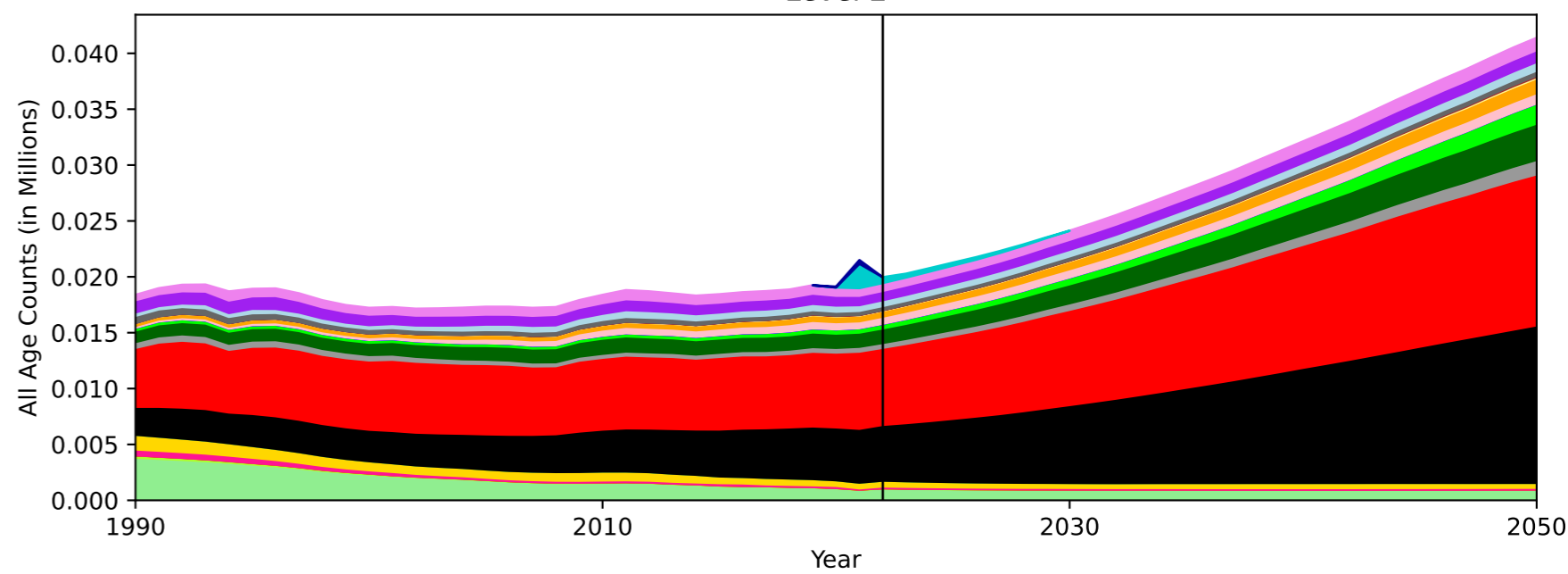
Level 2



Level 1

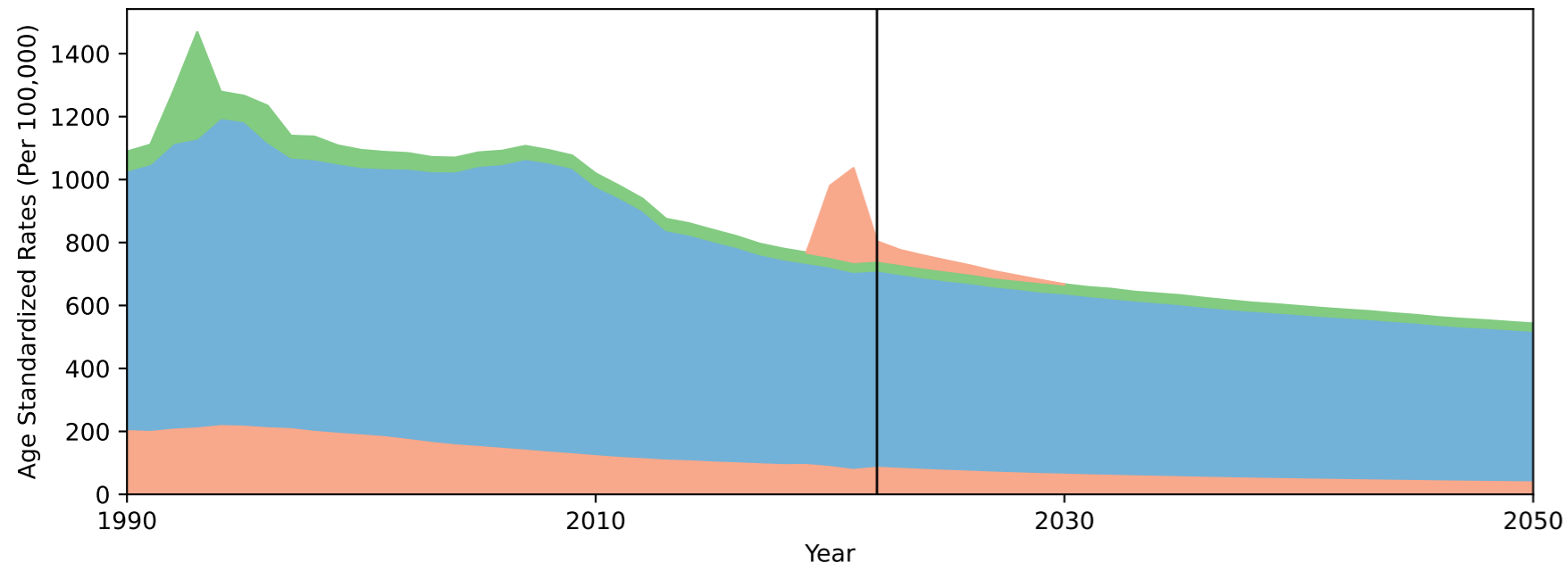


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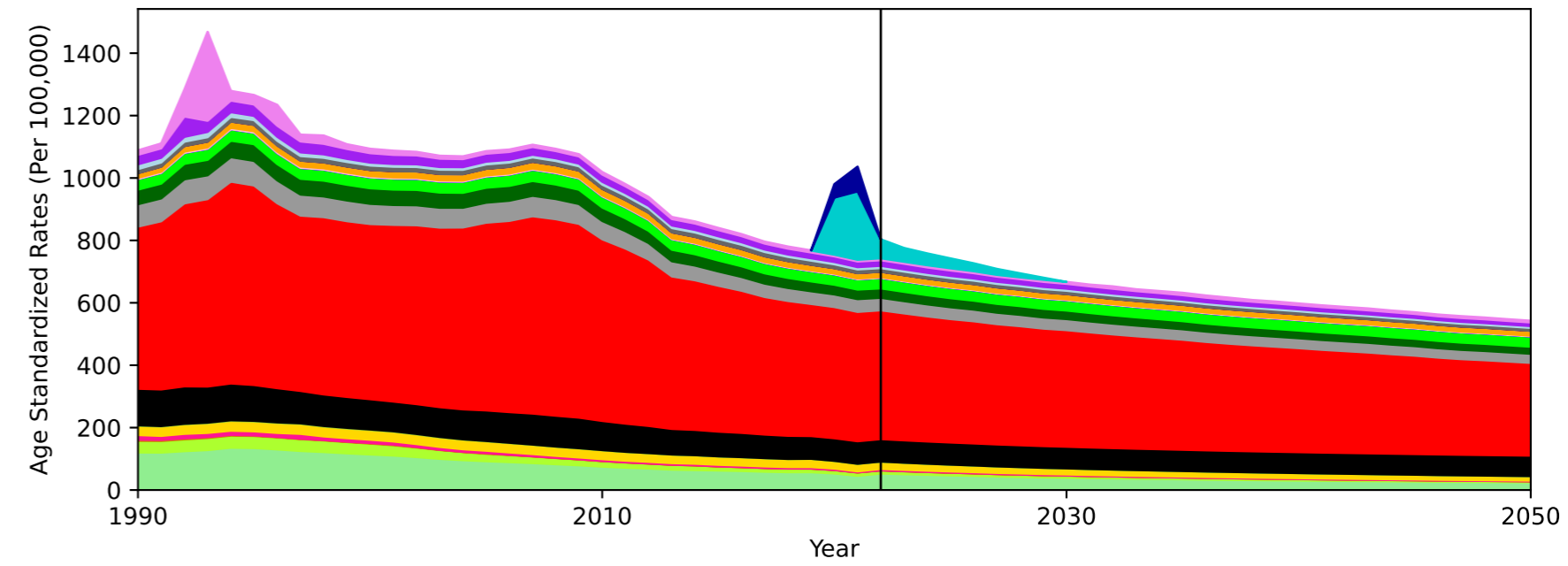


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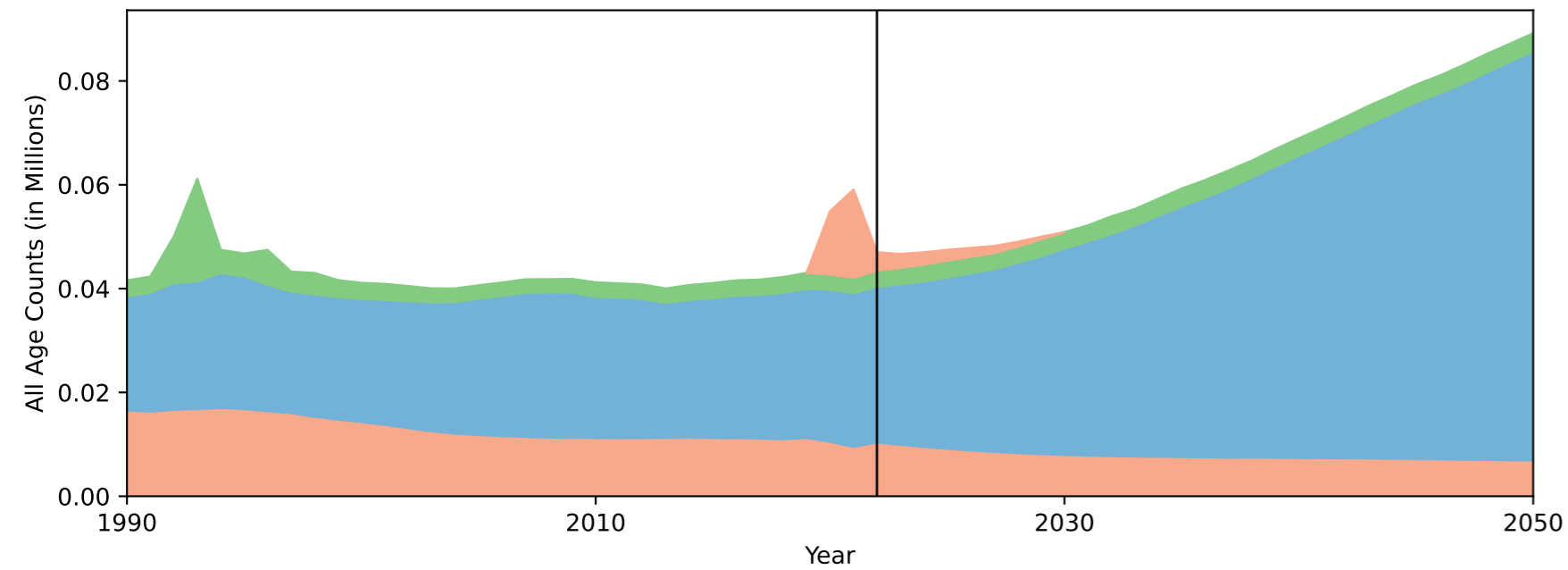
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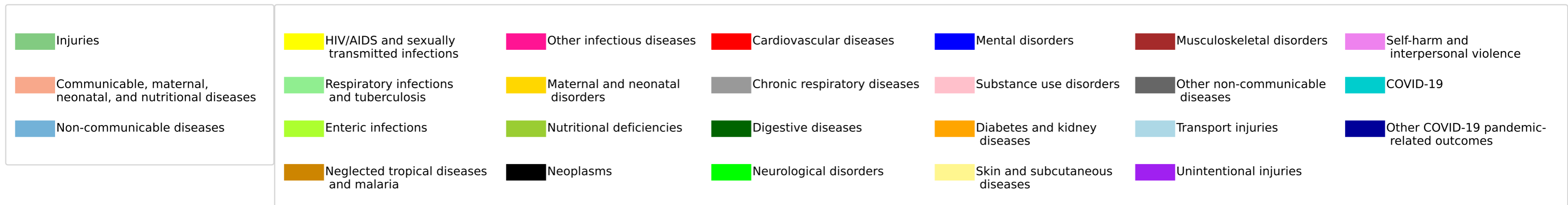
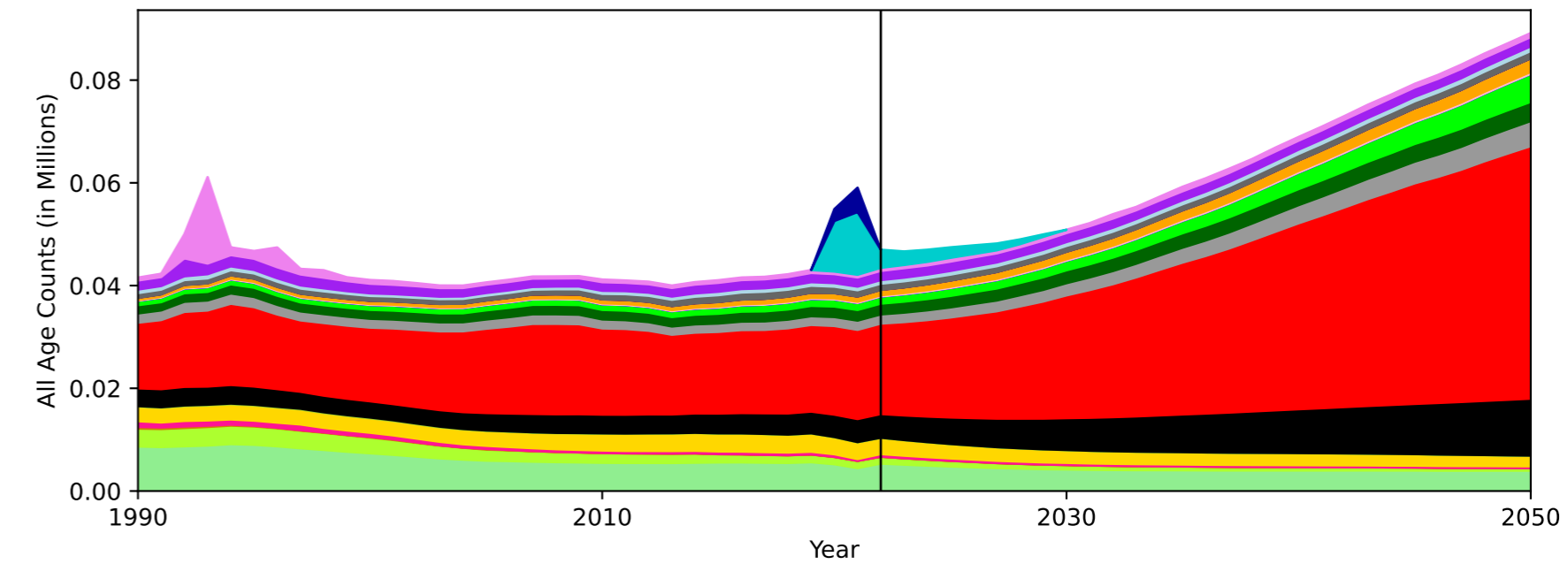
Level 2



Level 1



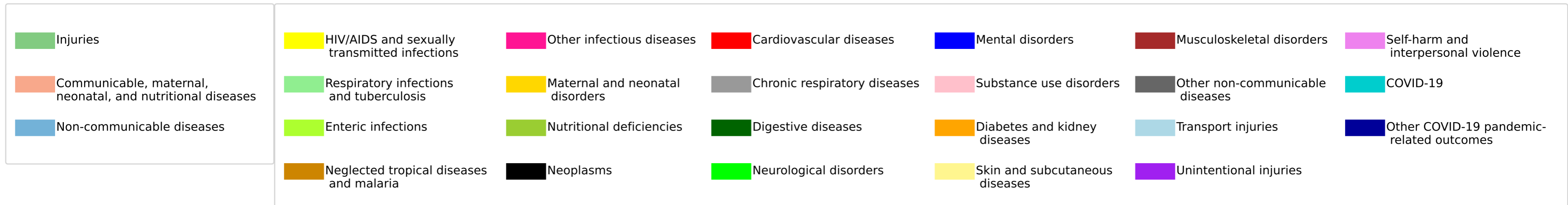
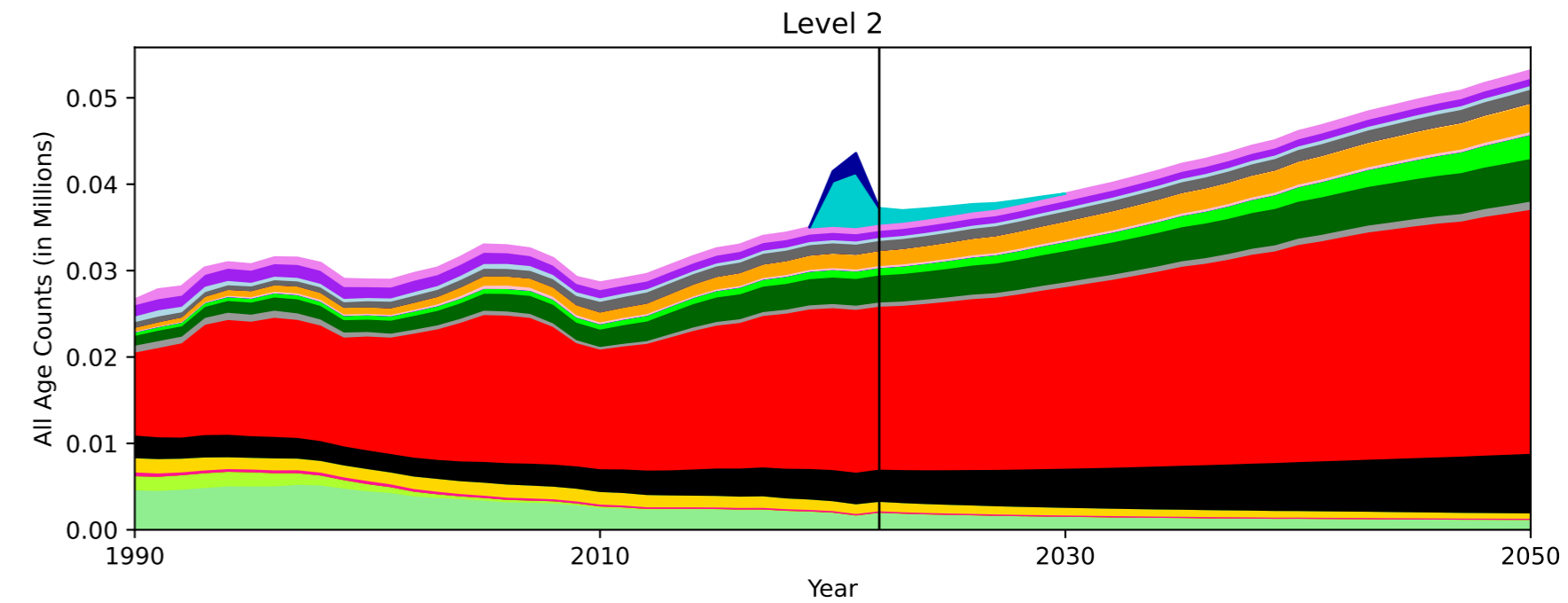
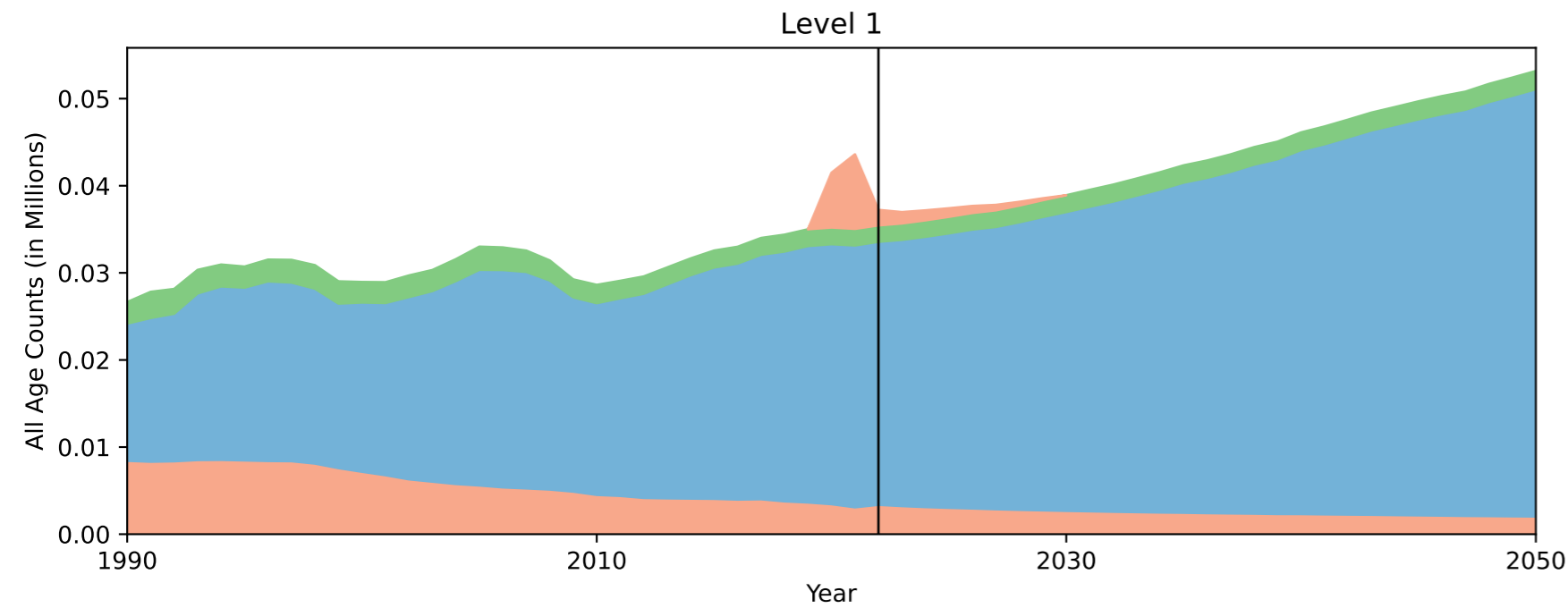
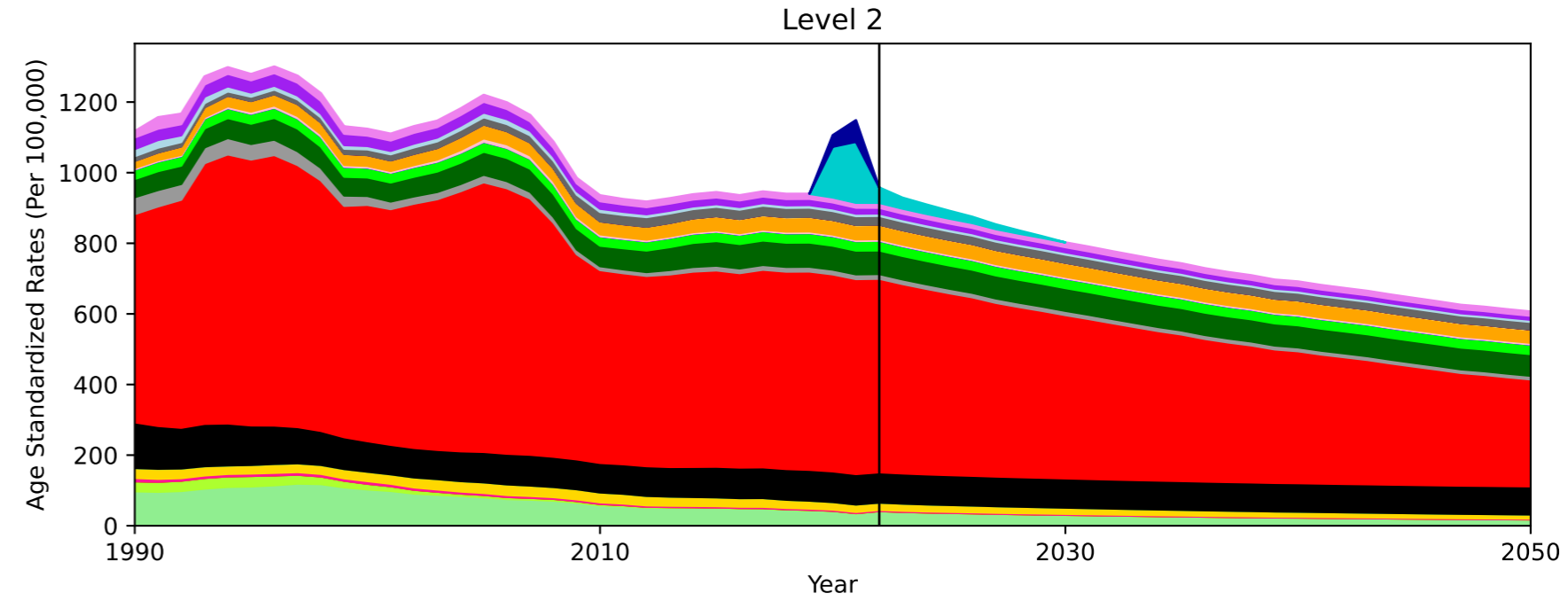
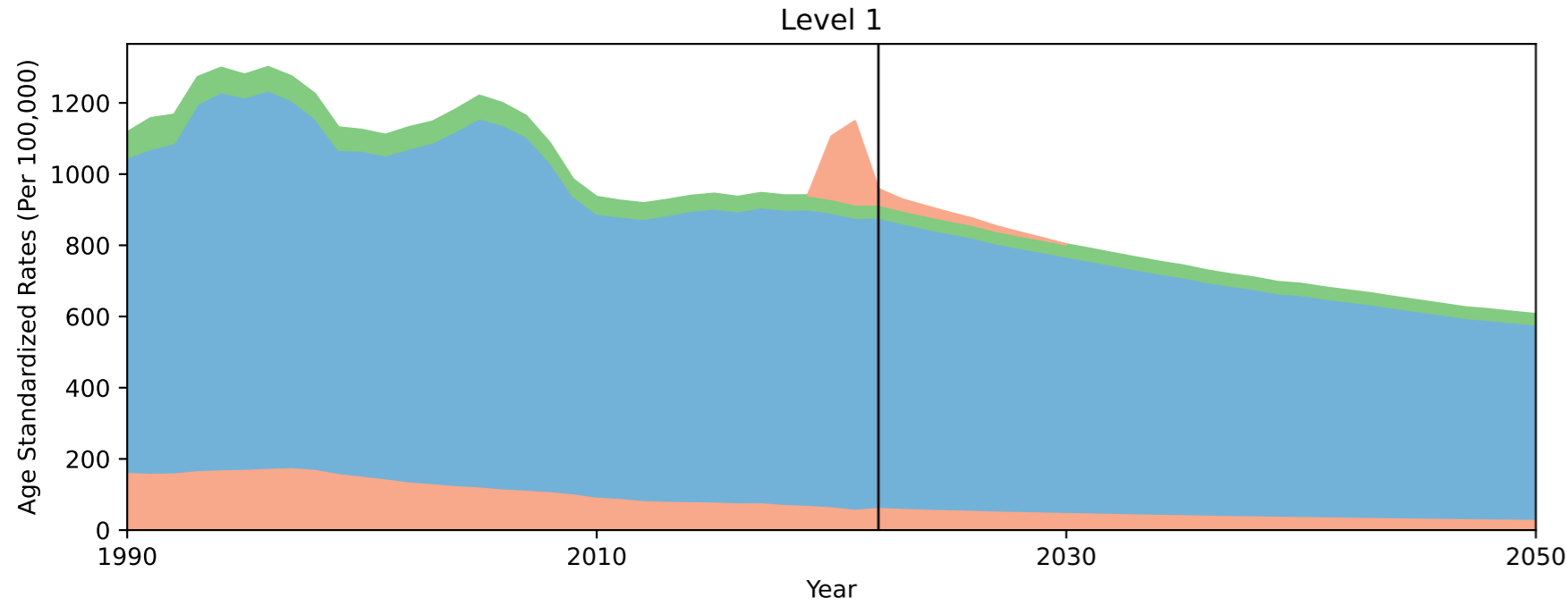
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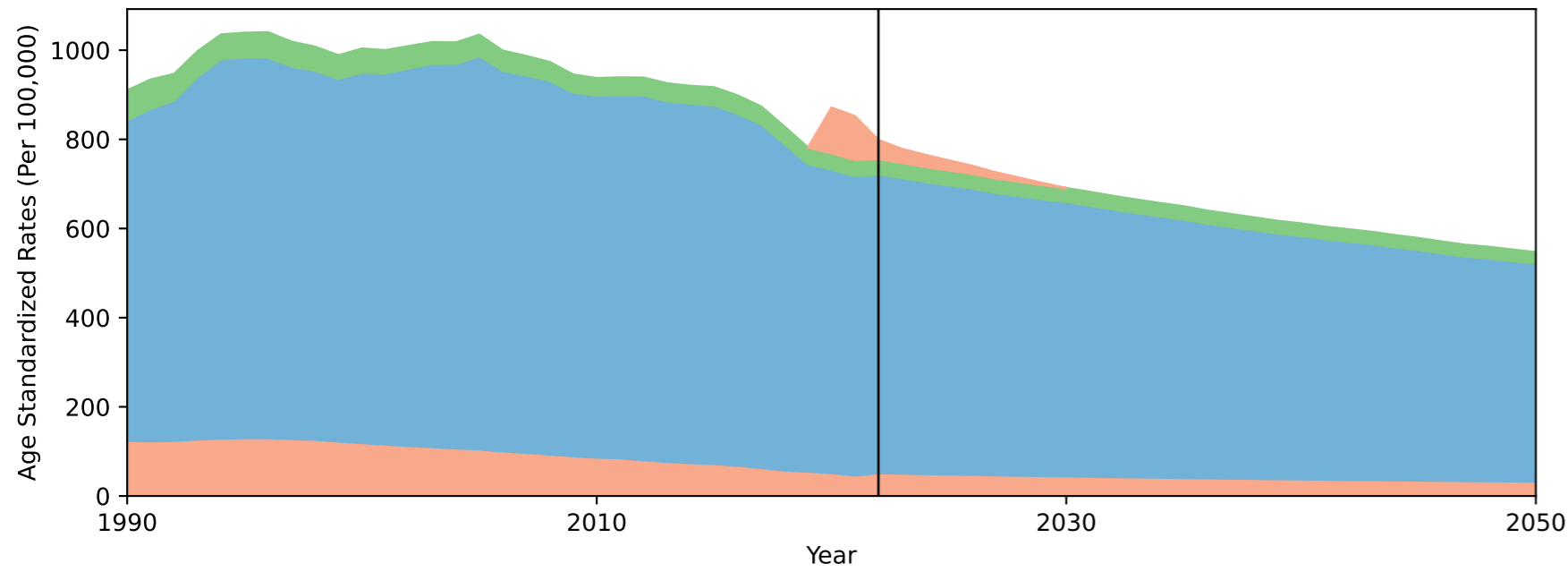
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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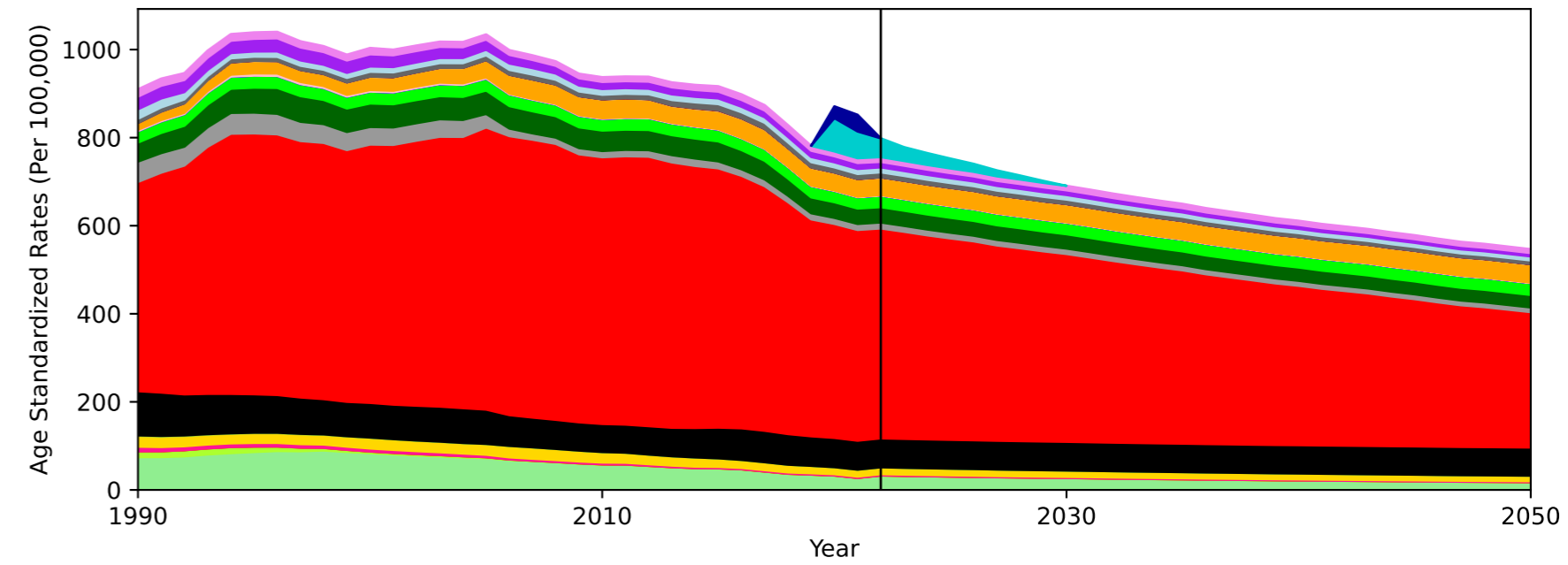


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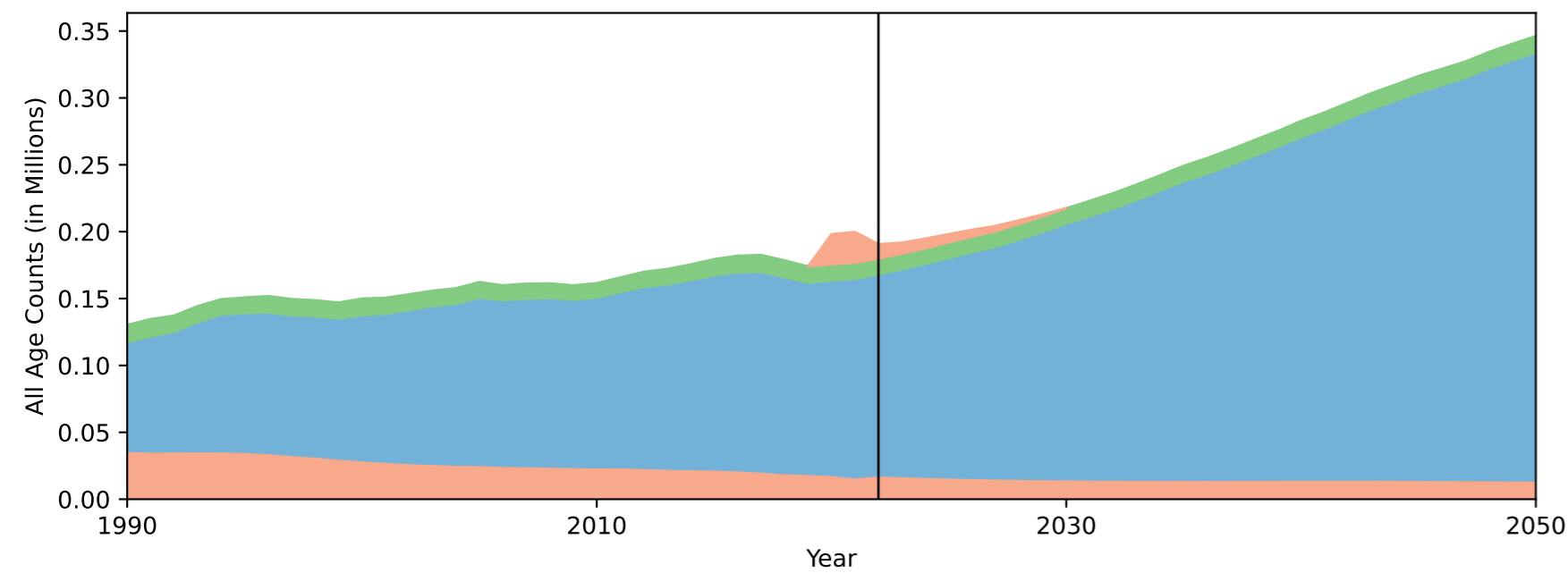
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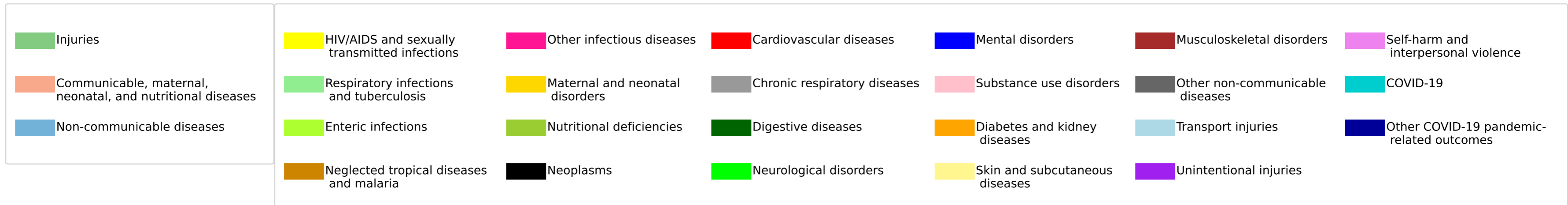
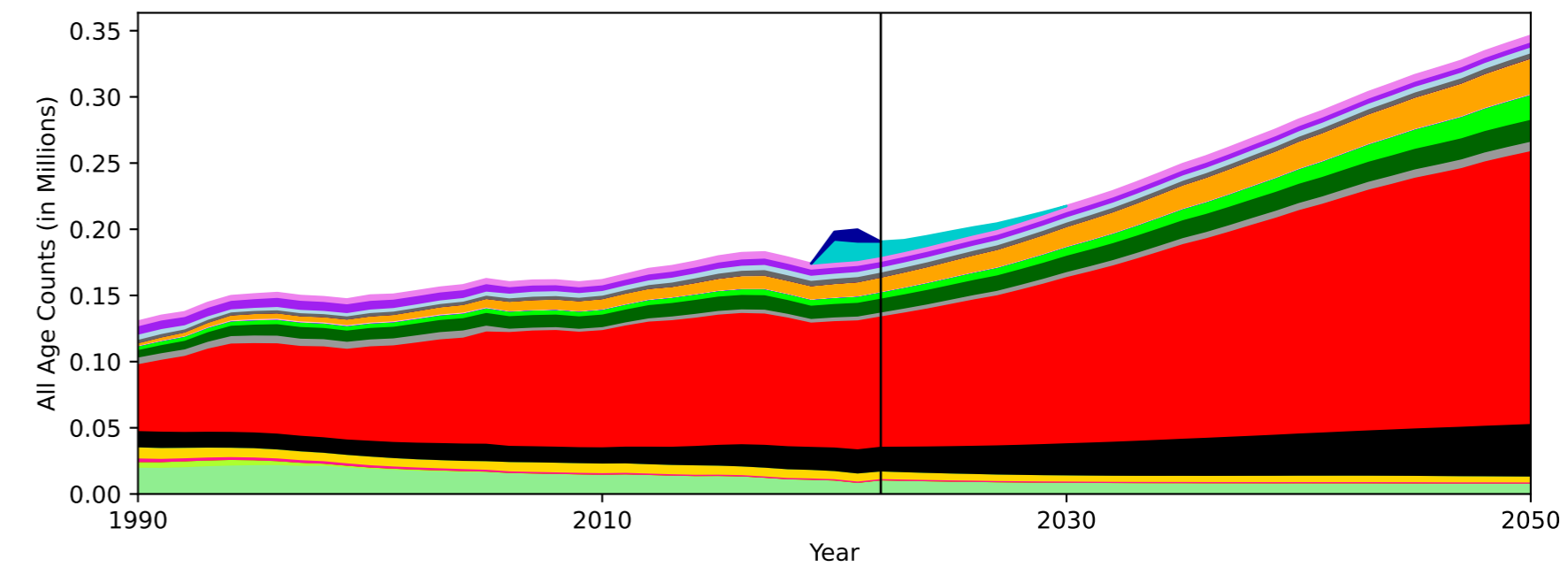
Level 2



Level 1

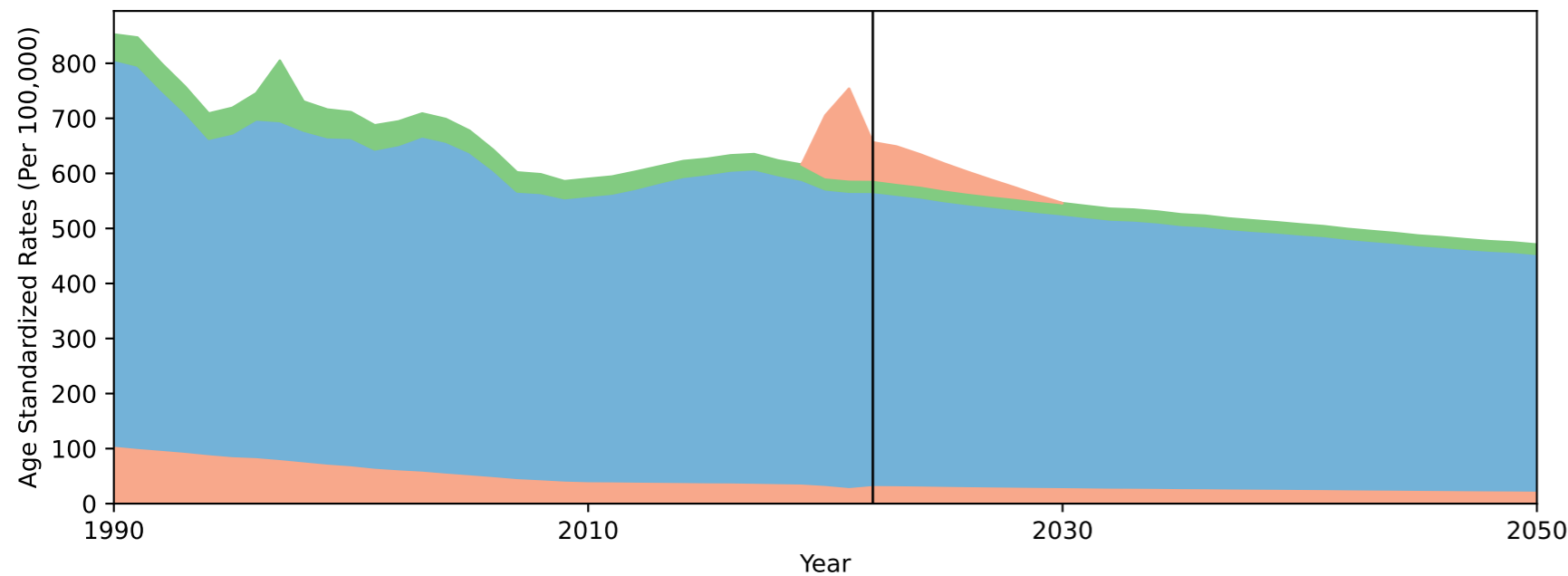


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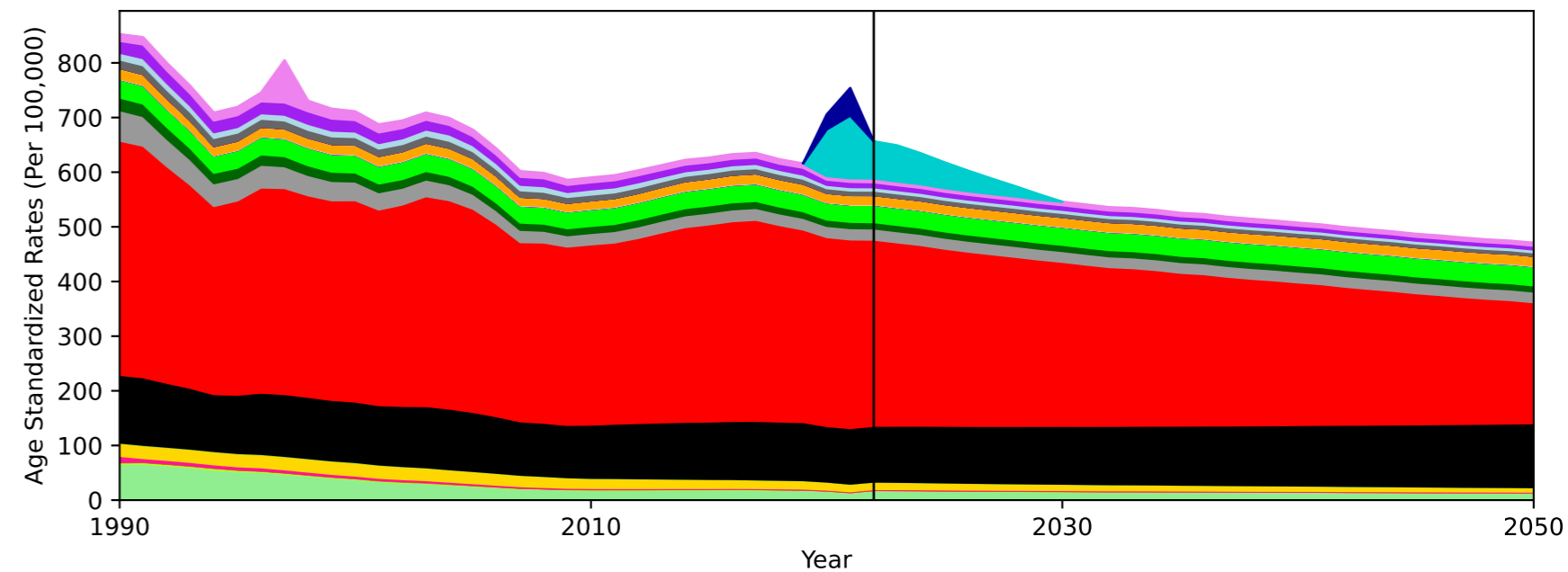


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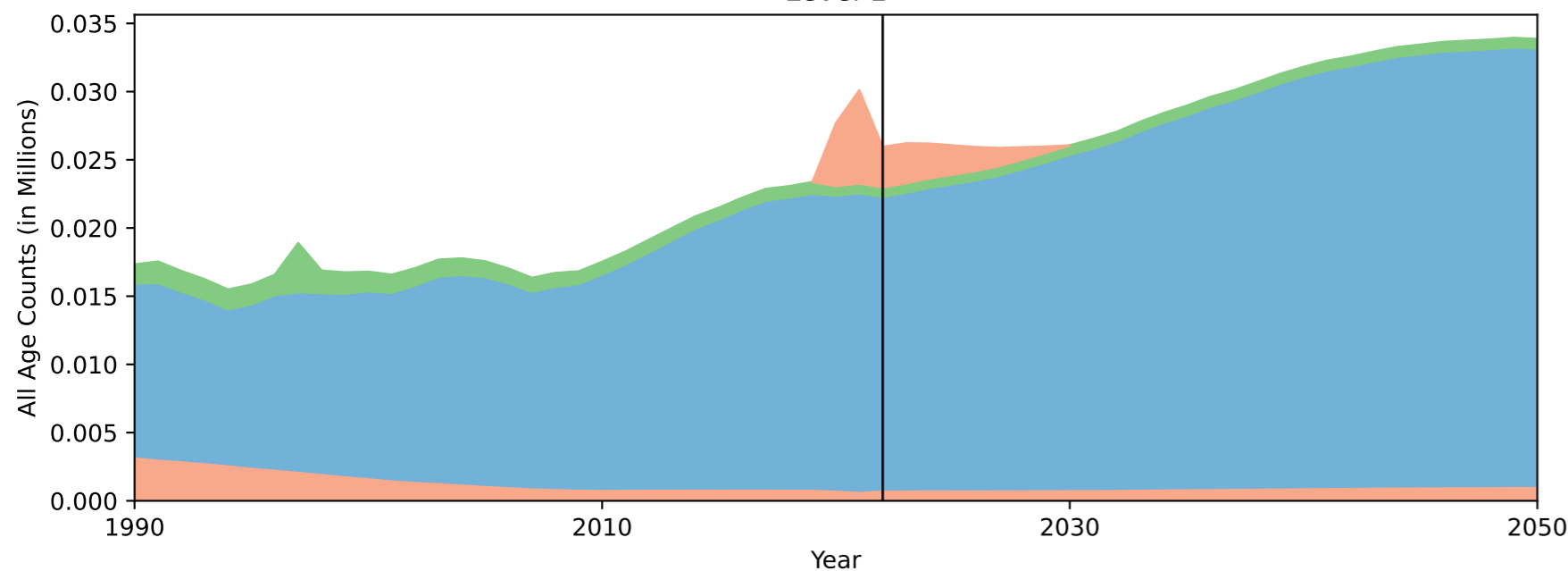
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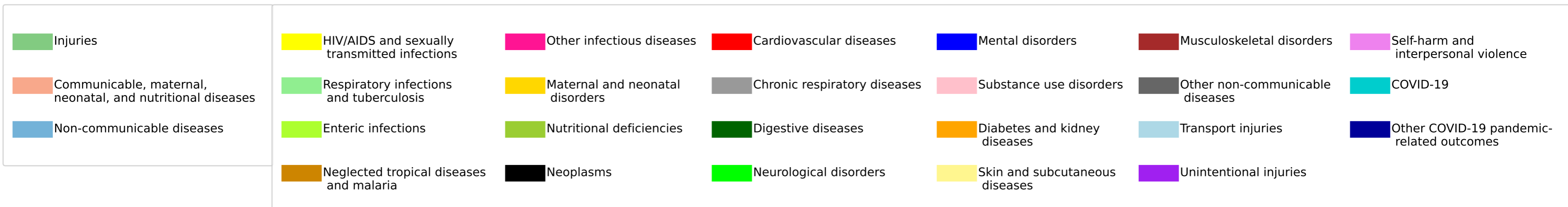
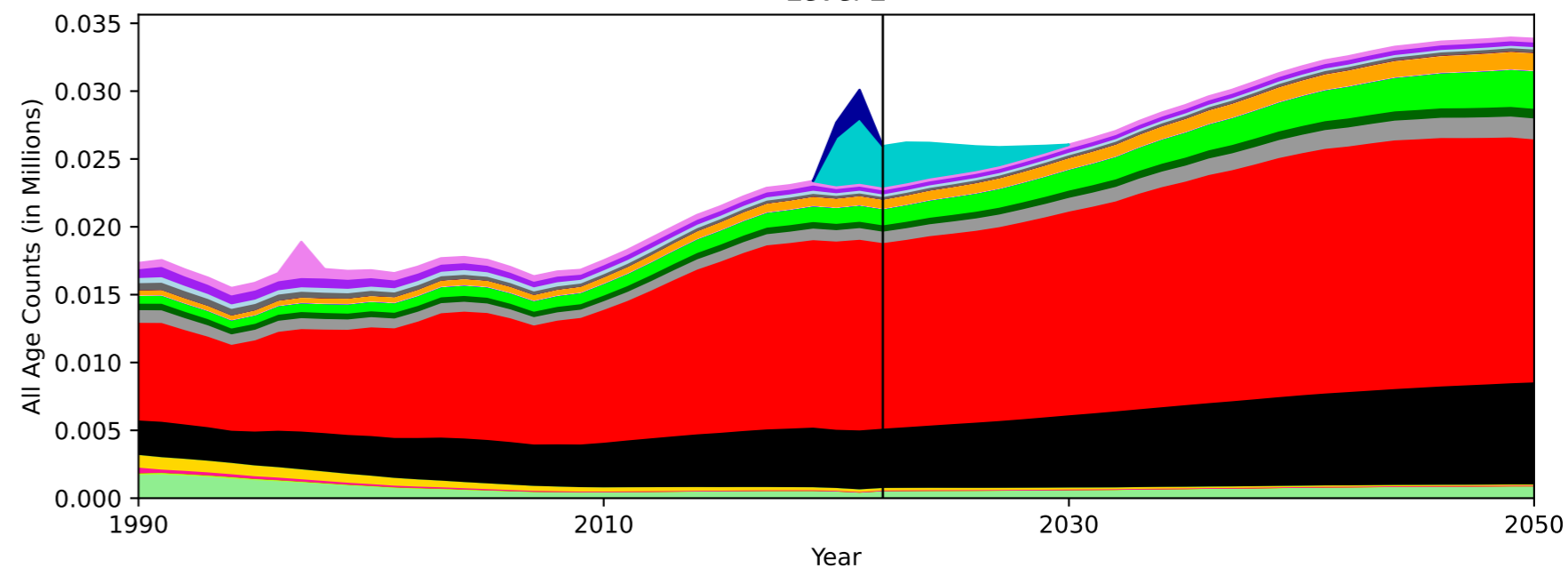
Level 2



Level 1



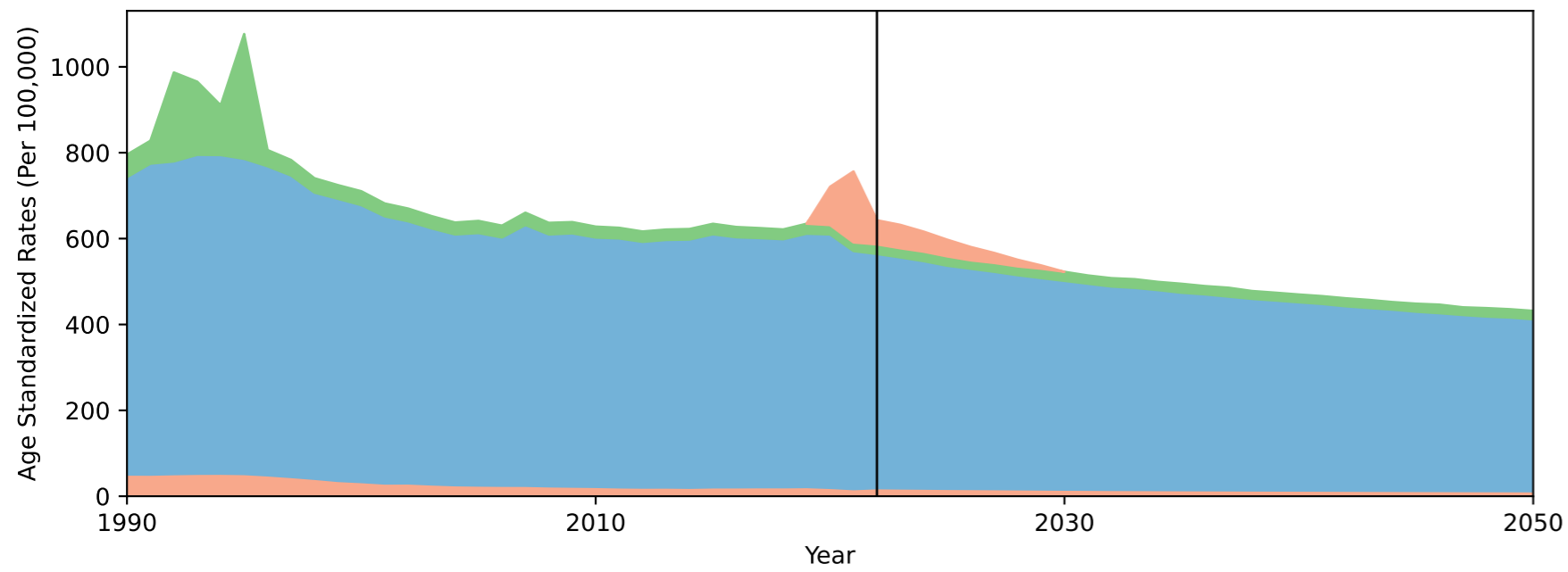
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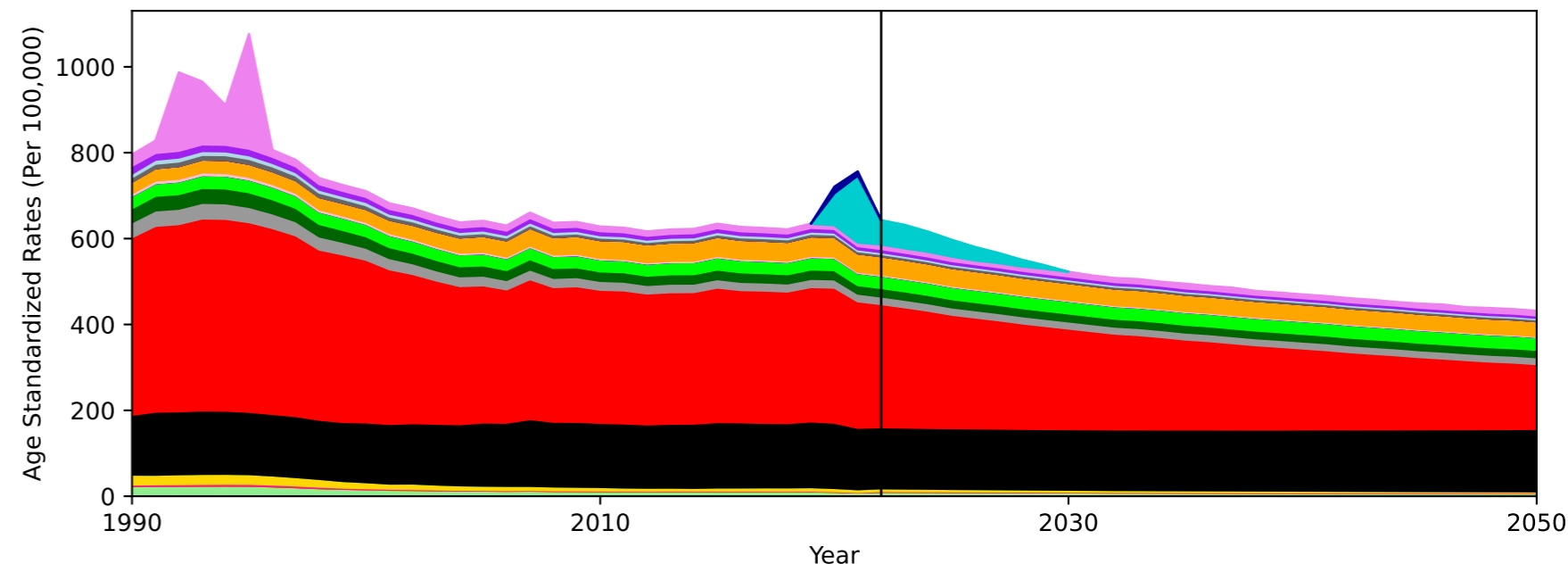


# Bosnia And Herzegovina

Level 1



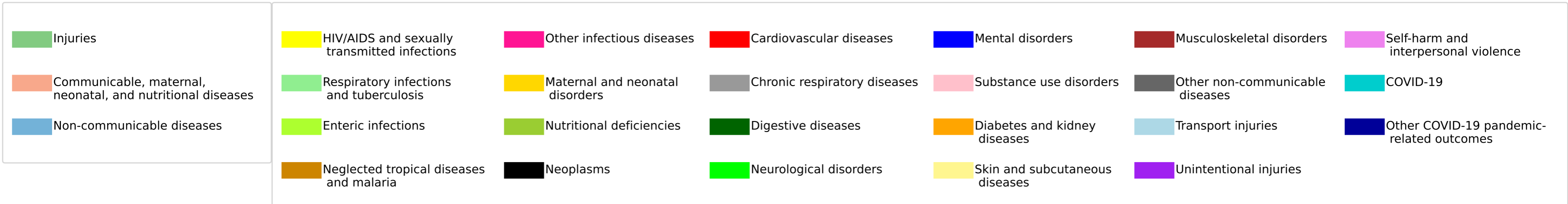
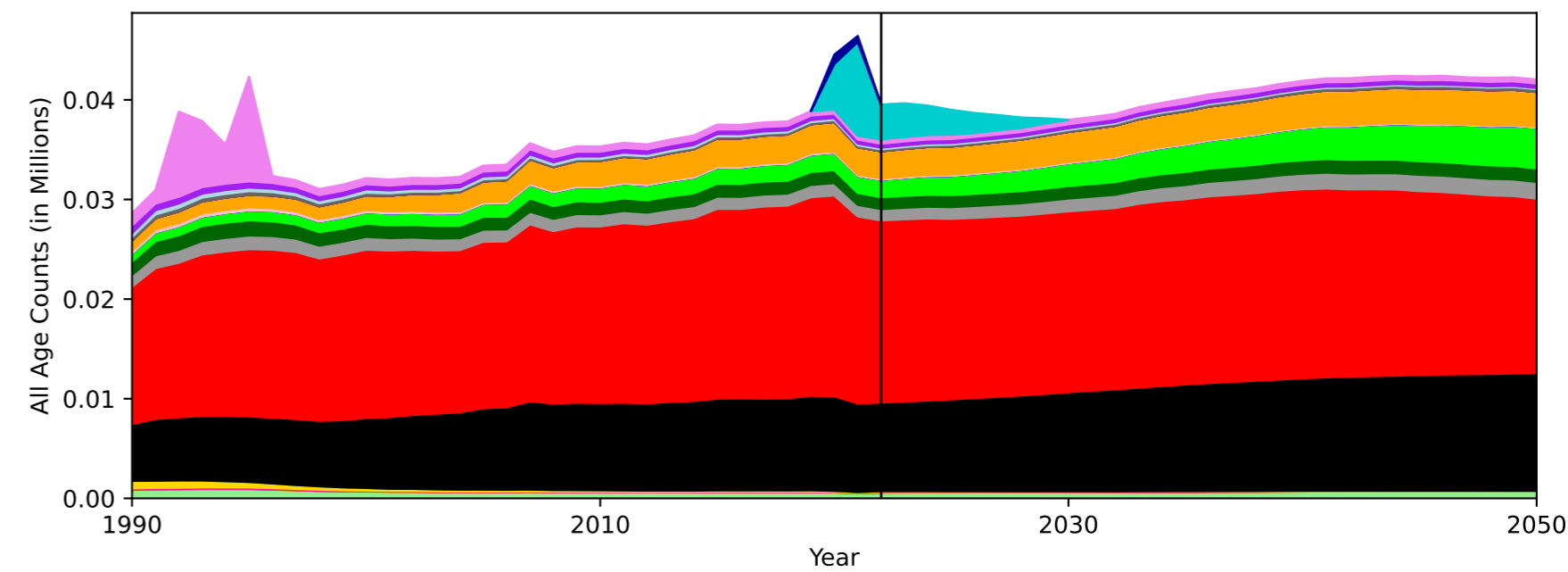
Level 2



Level 1

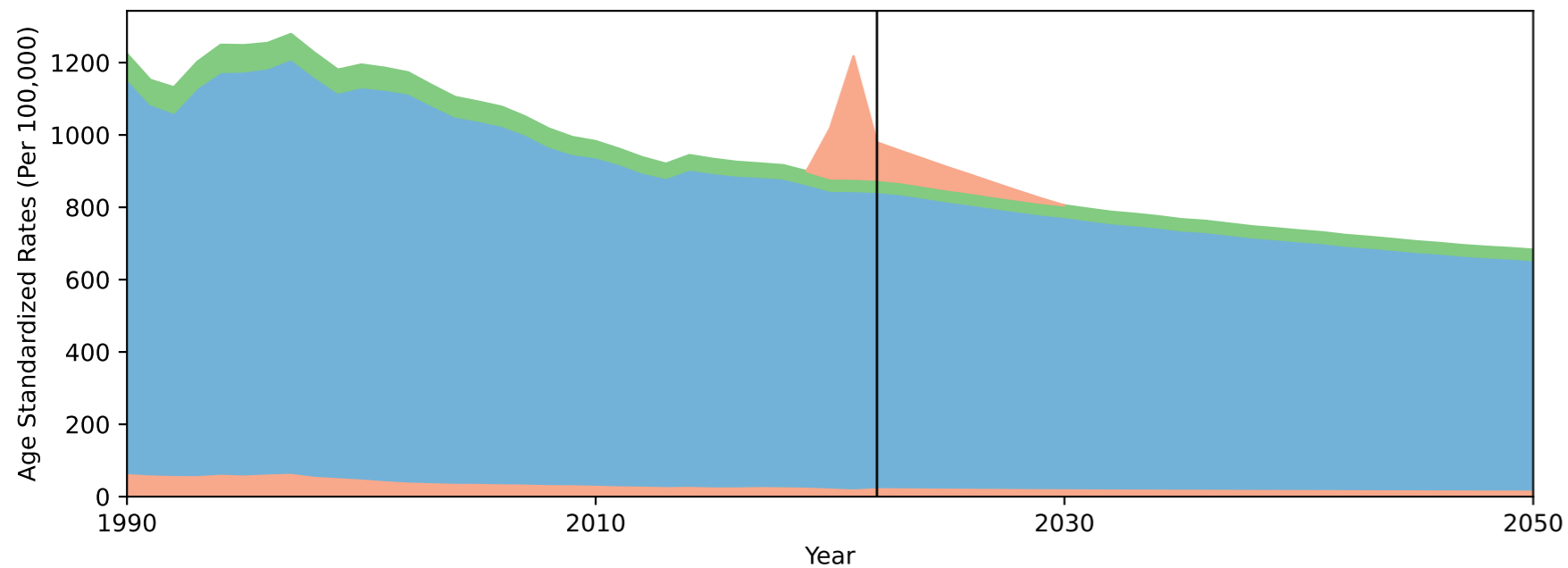


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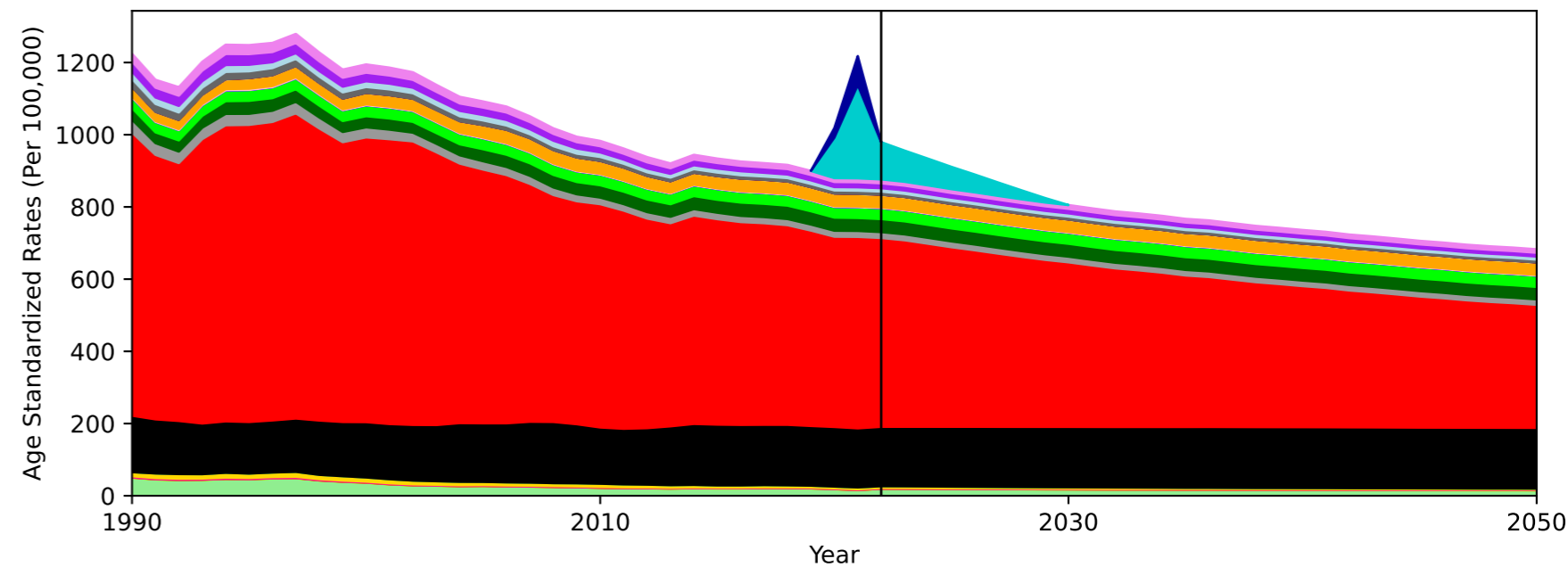


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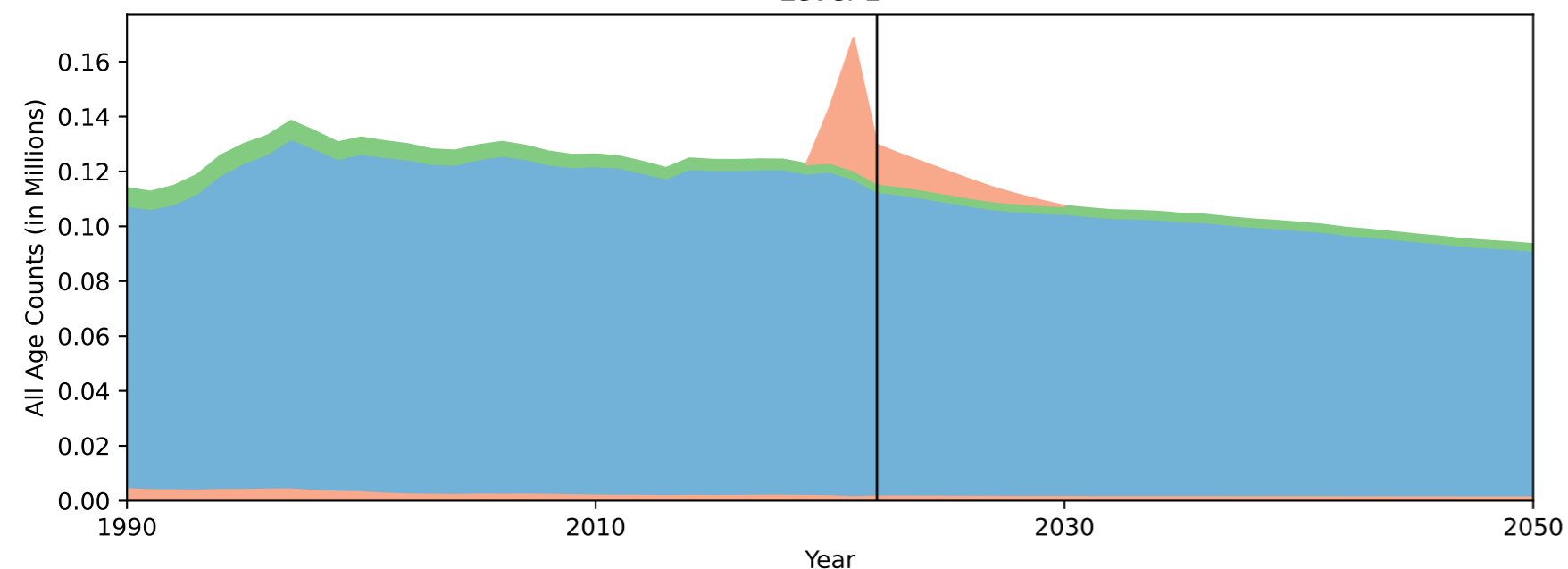
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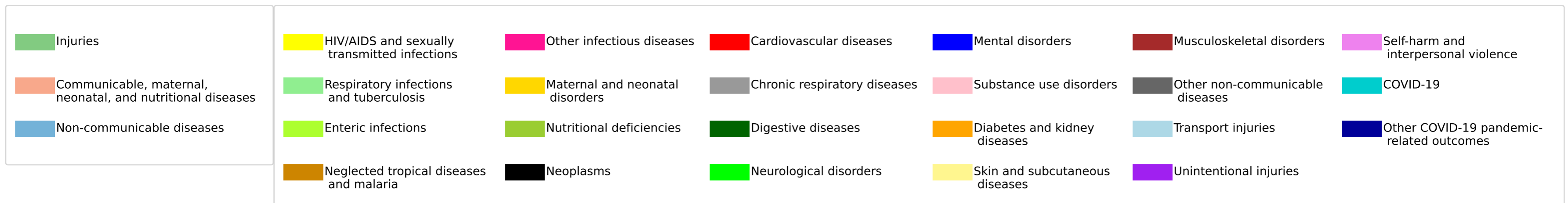
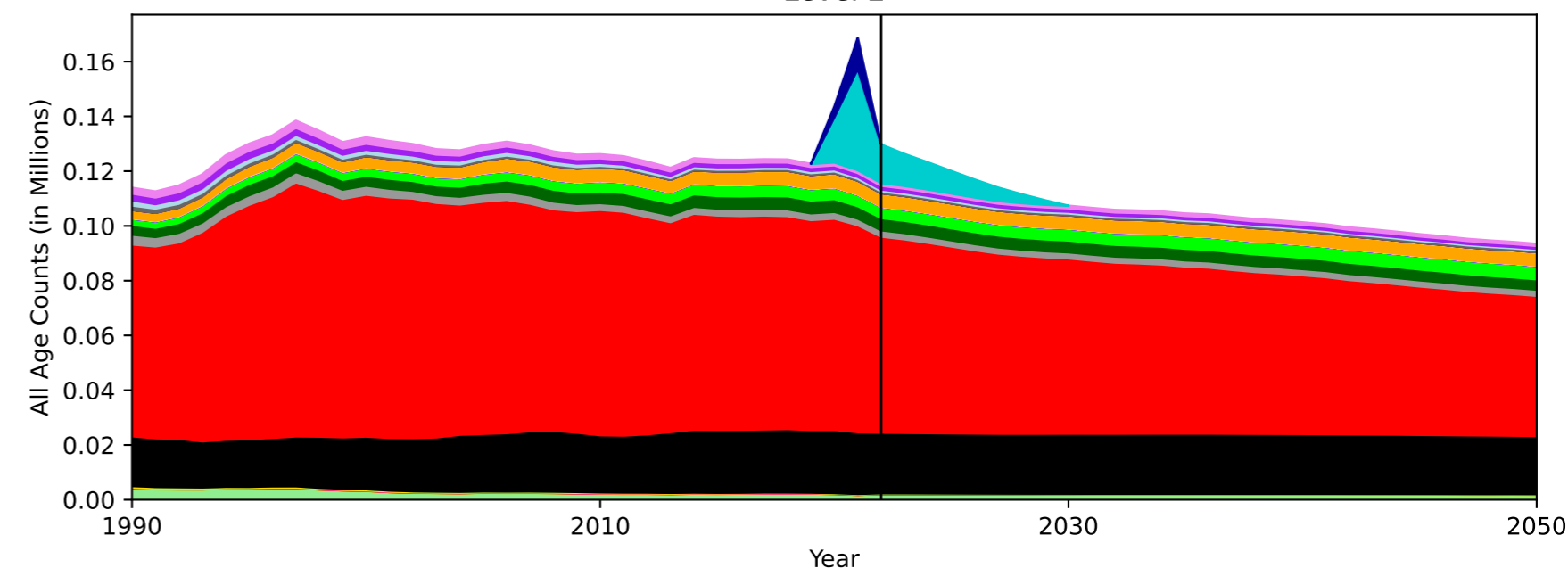
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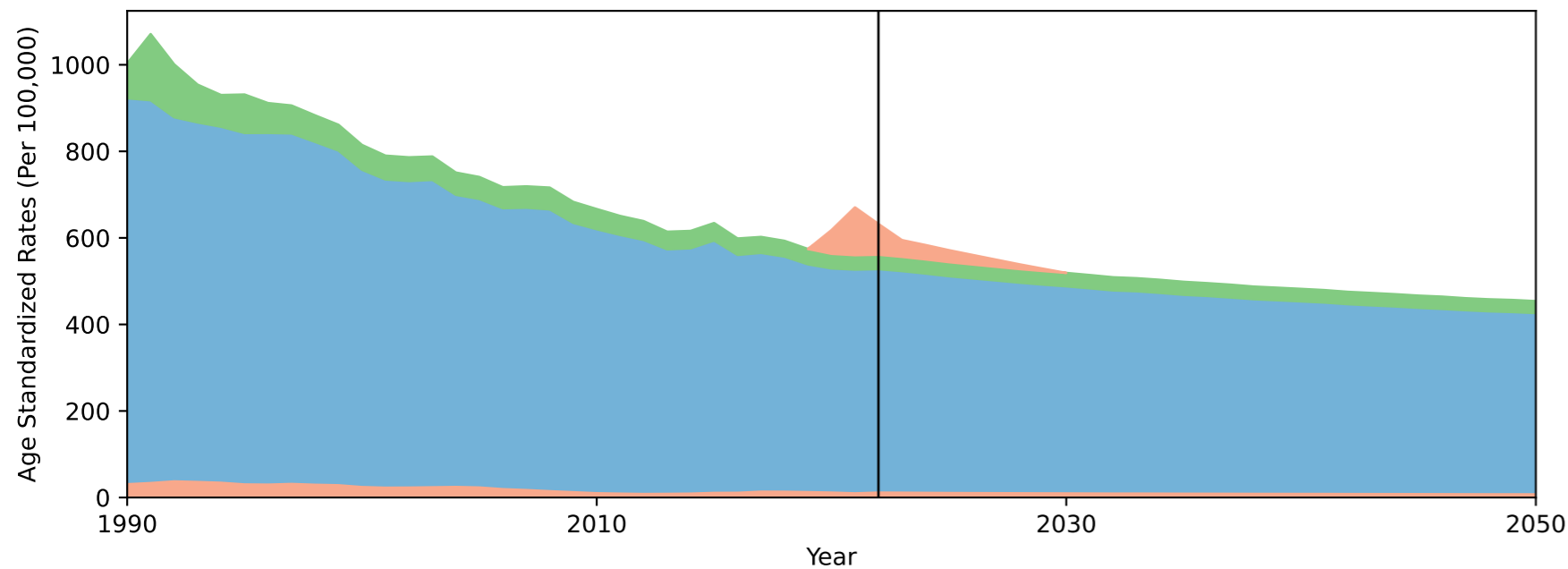
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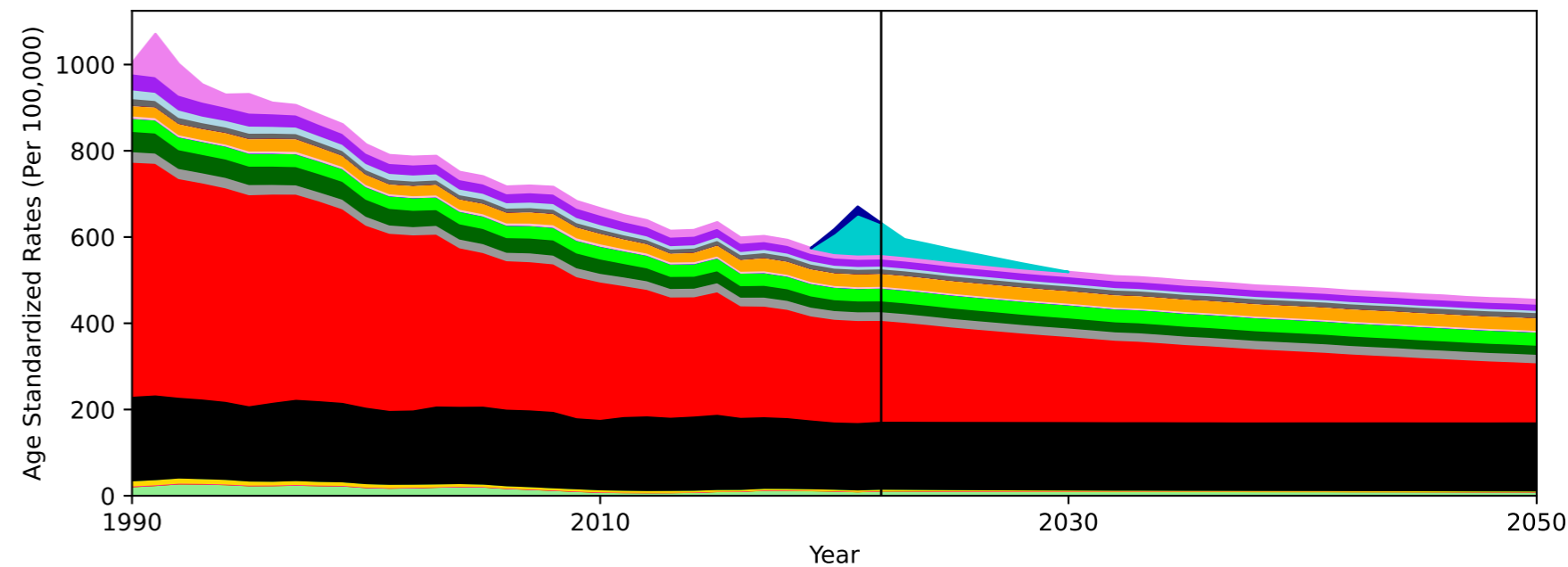
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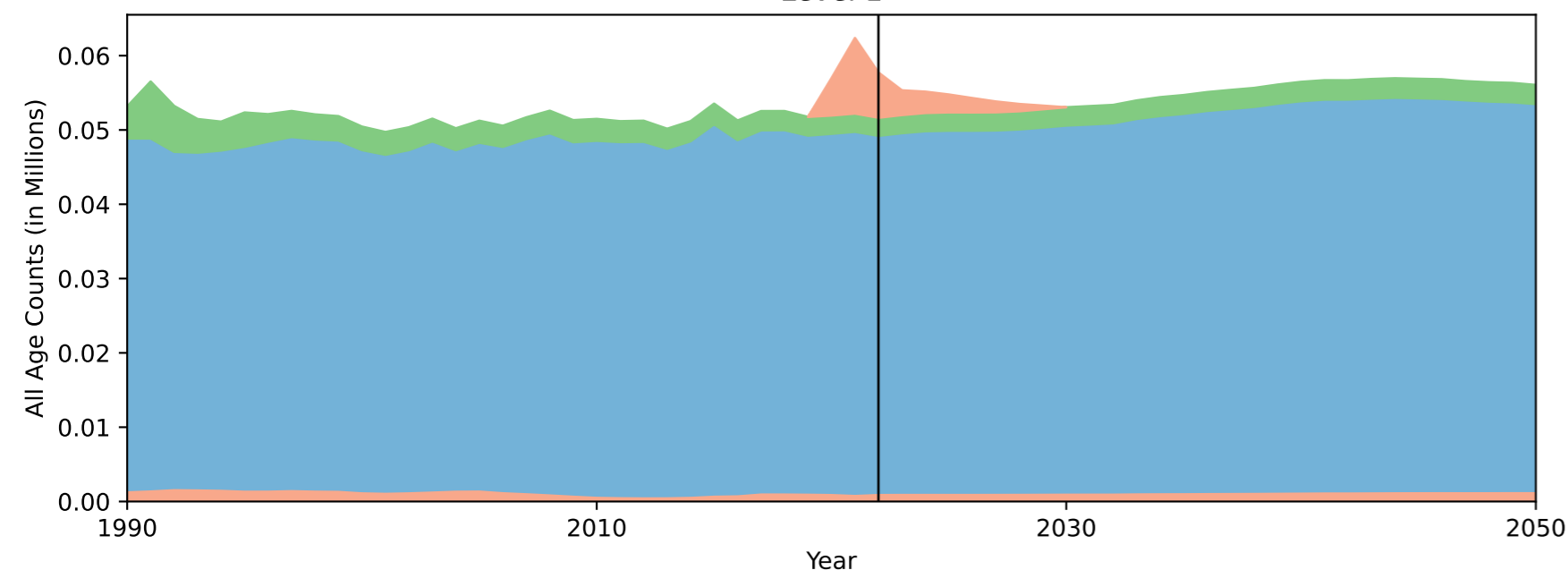
Level 1



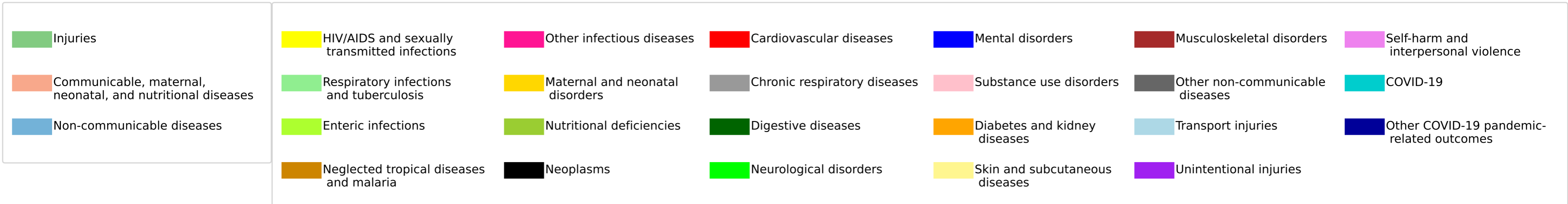
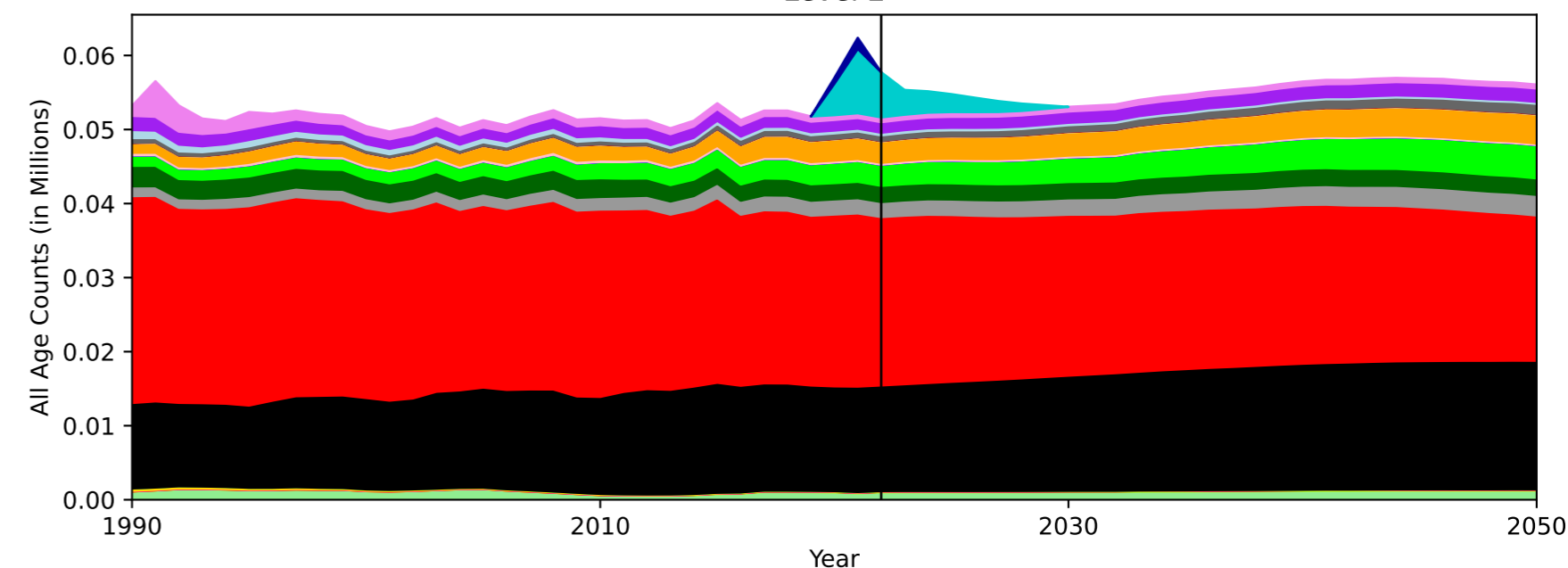
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Level 1

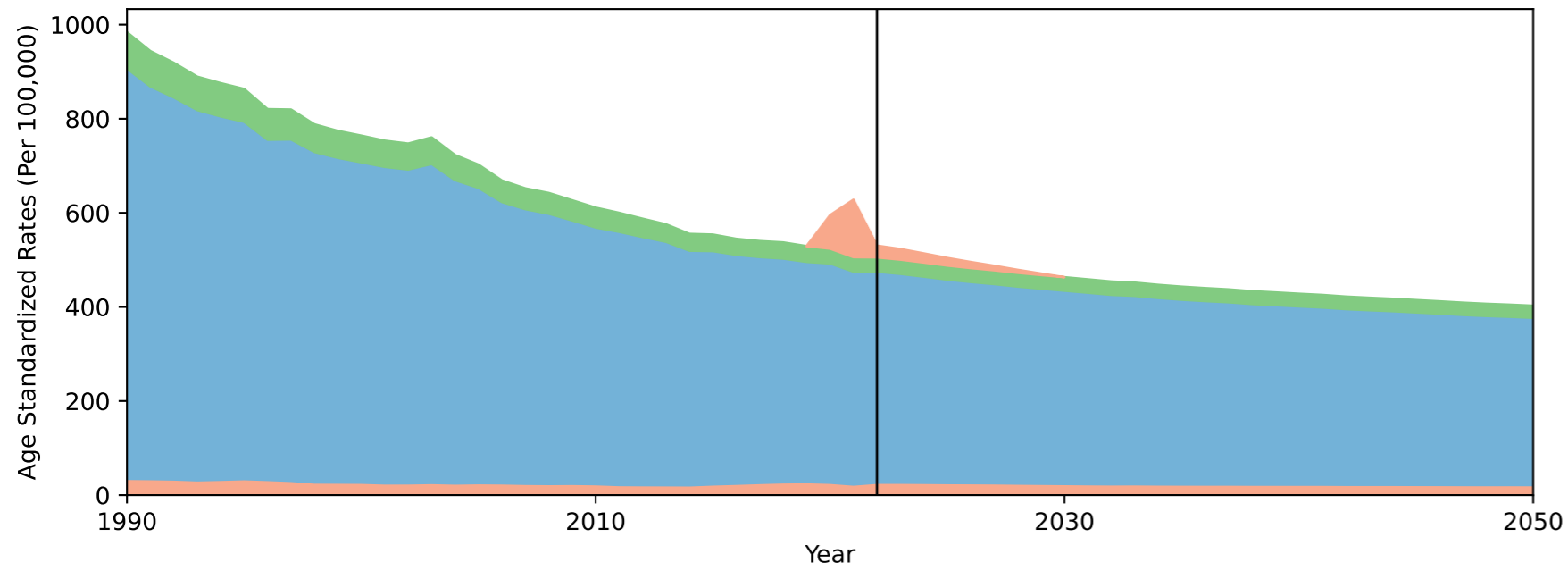


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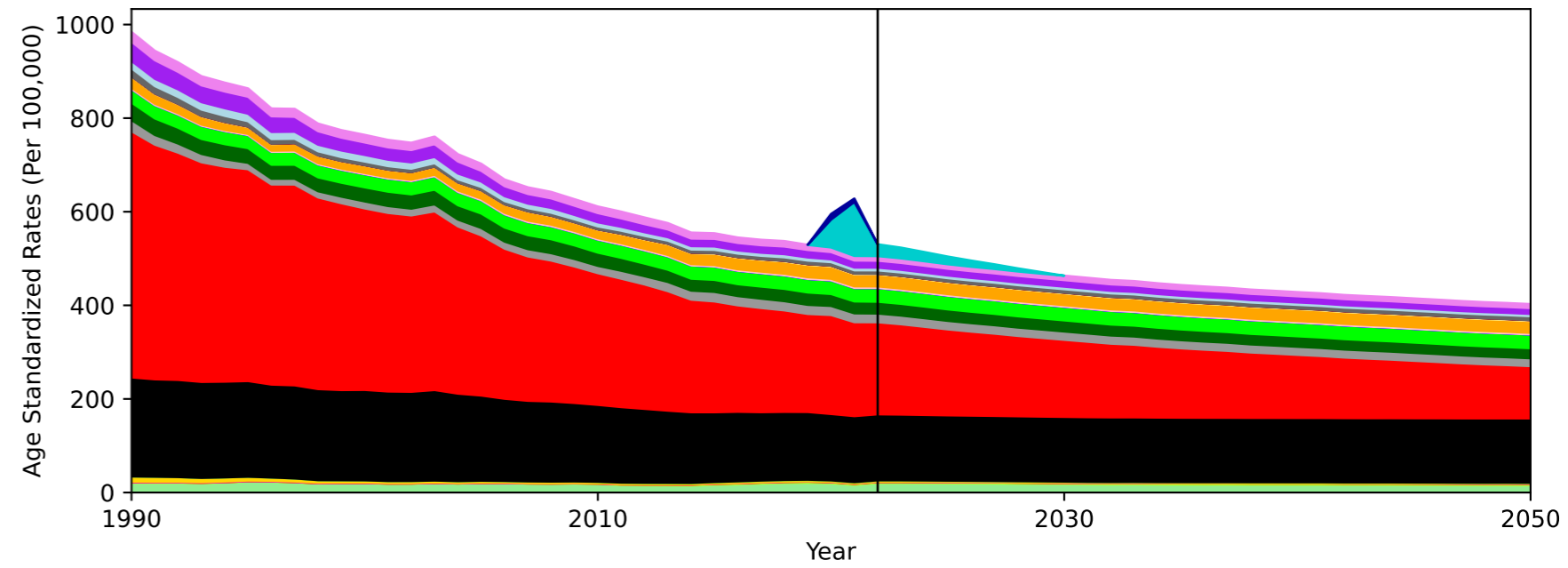


# Czechia

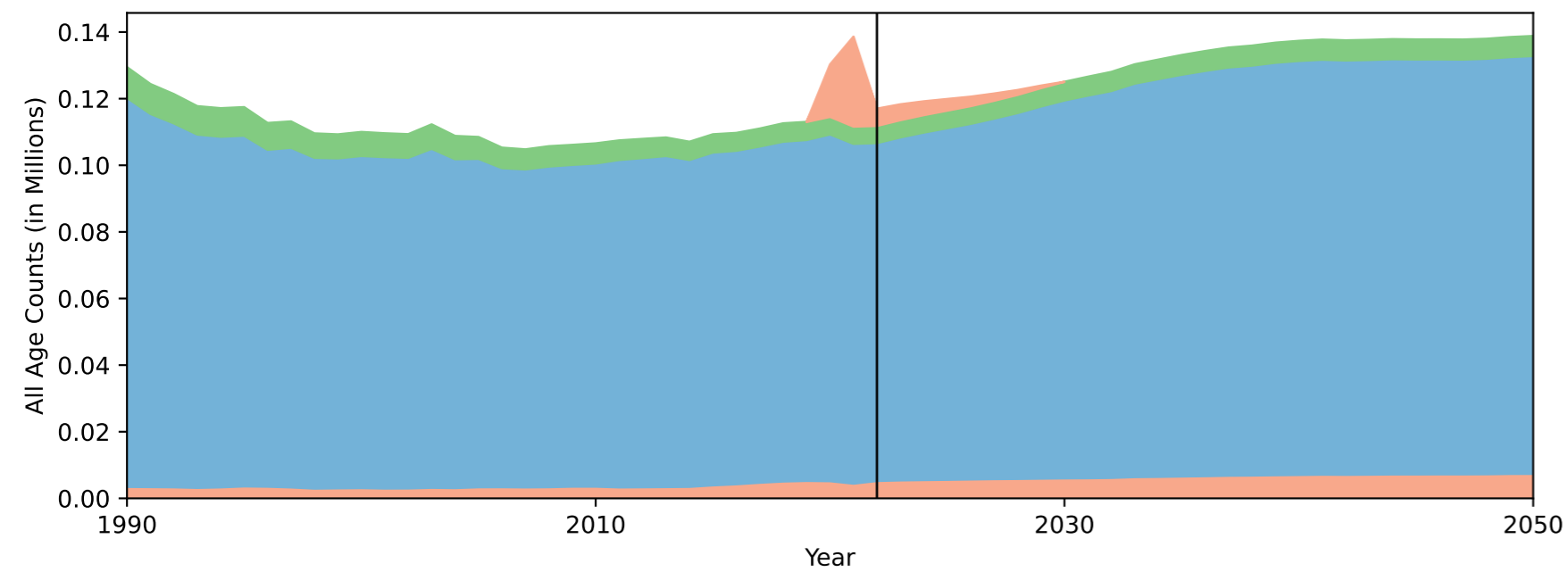
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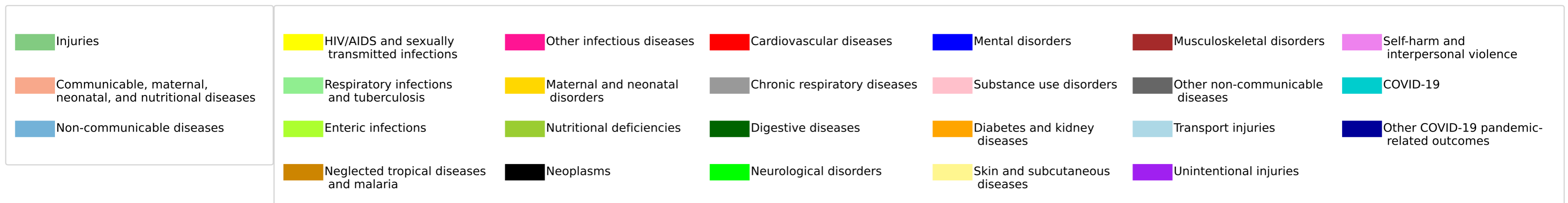
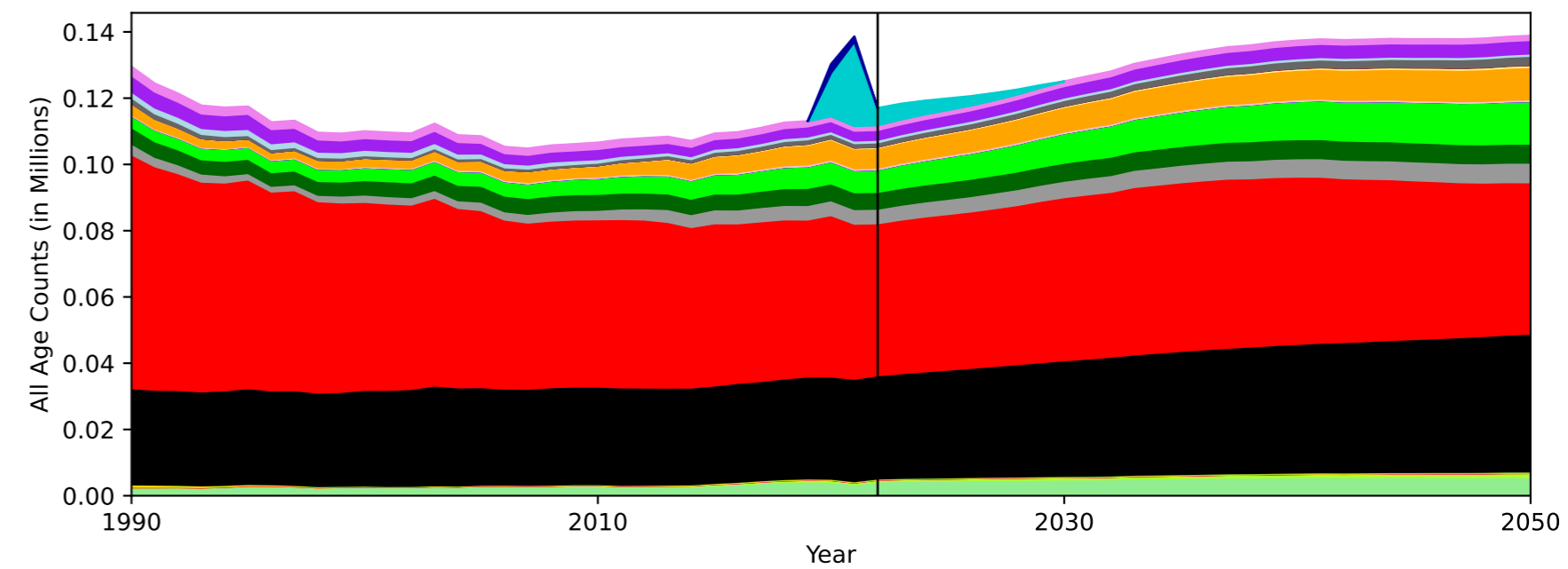
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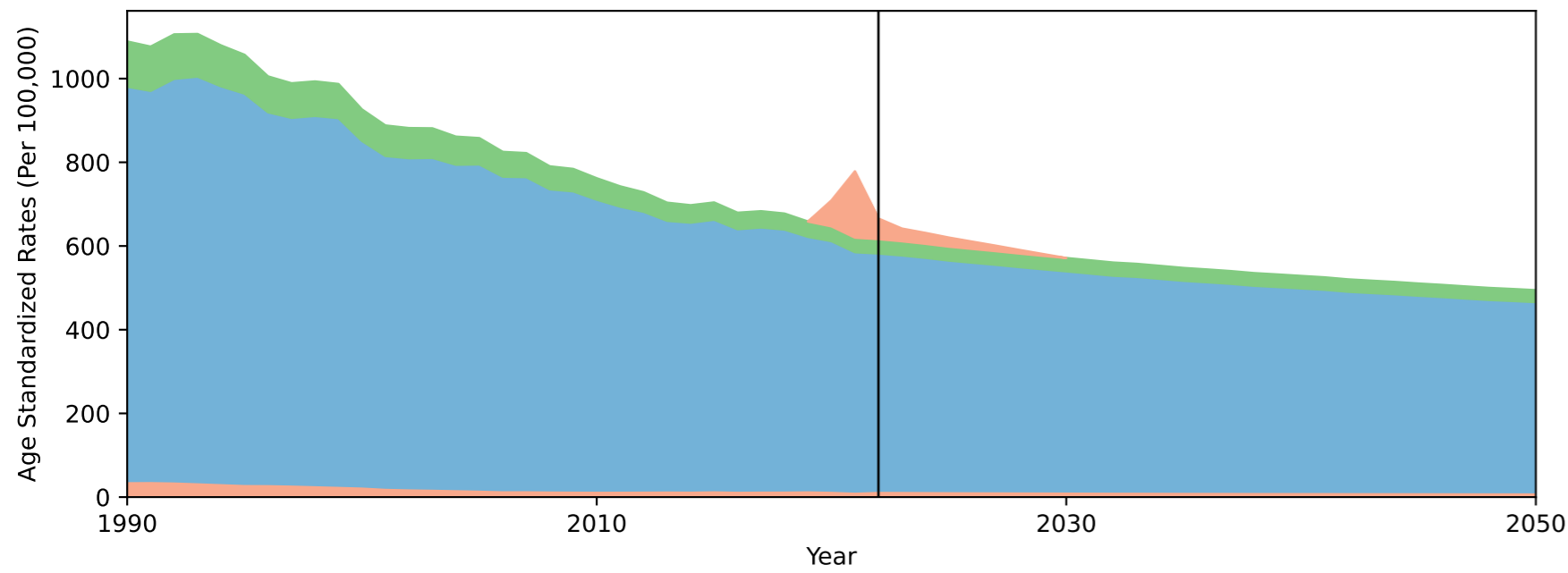


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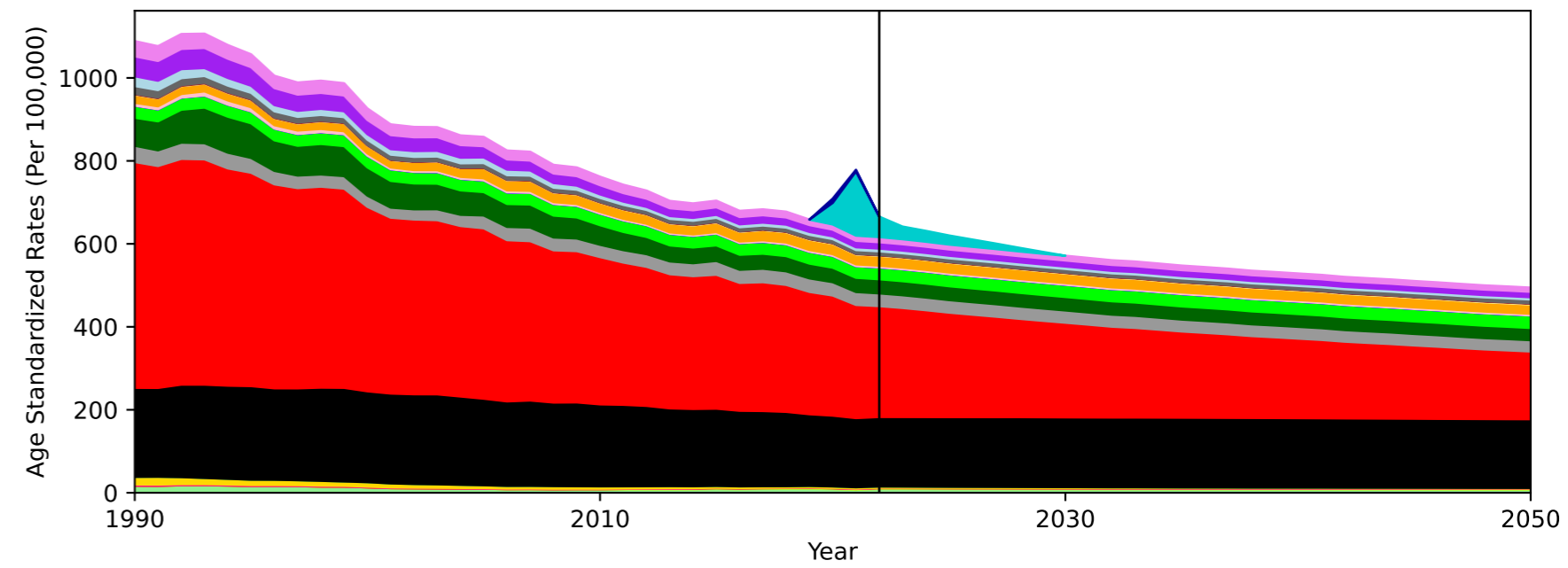


# Hungary

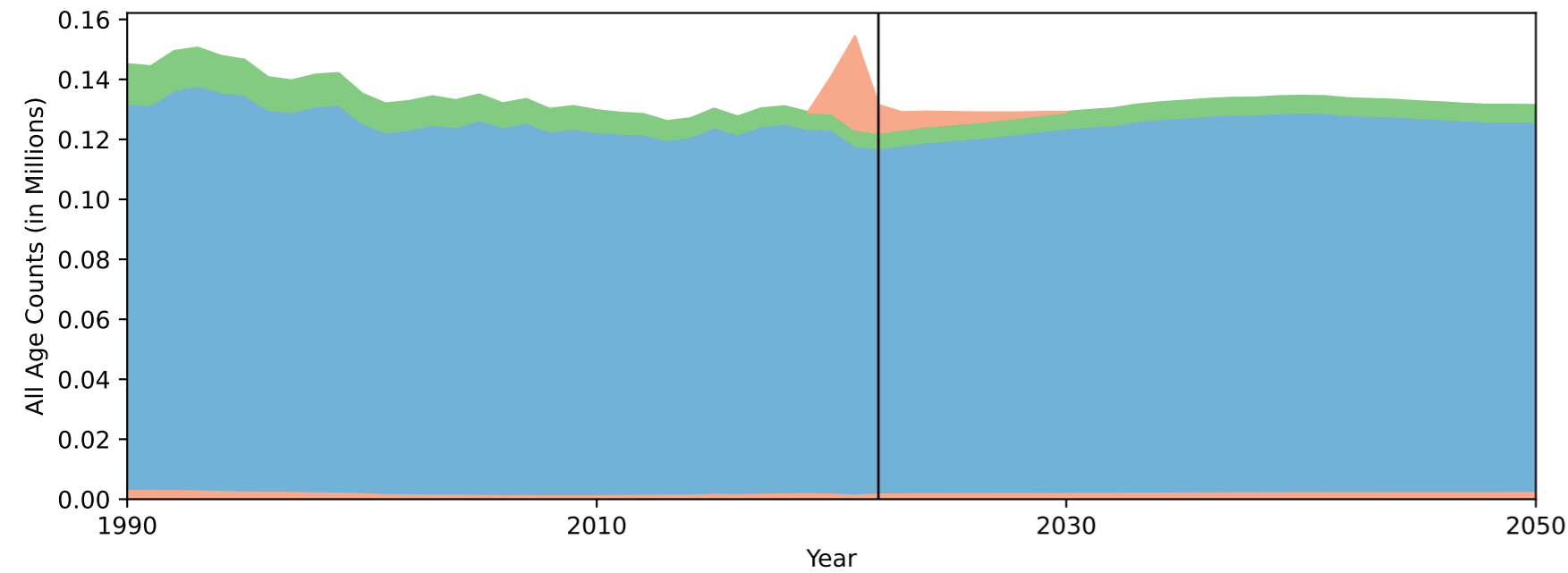
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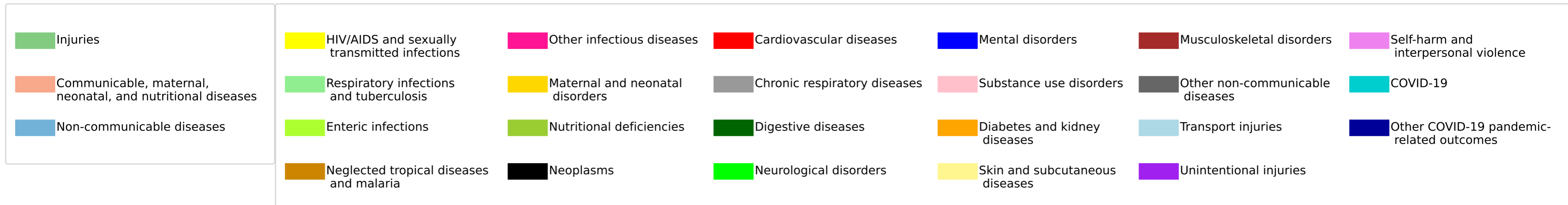
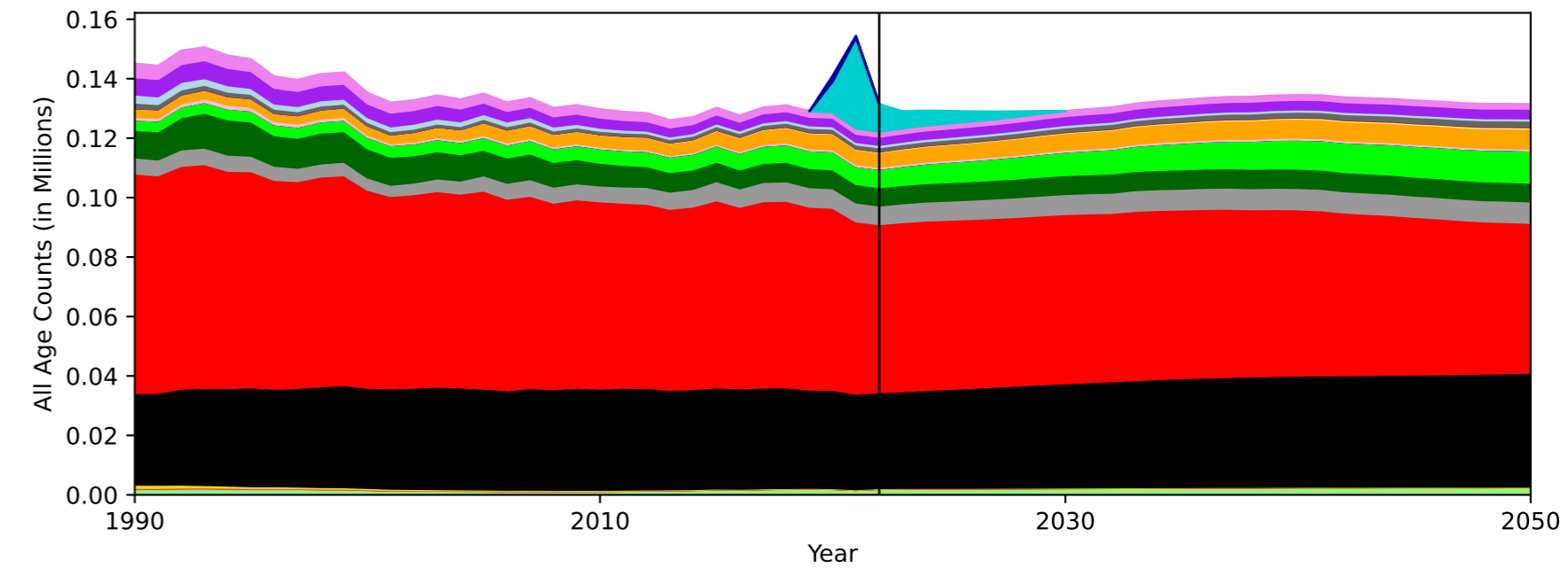
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Level 1

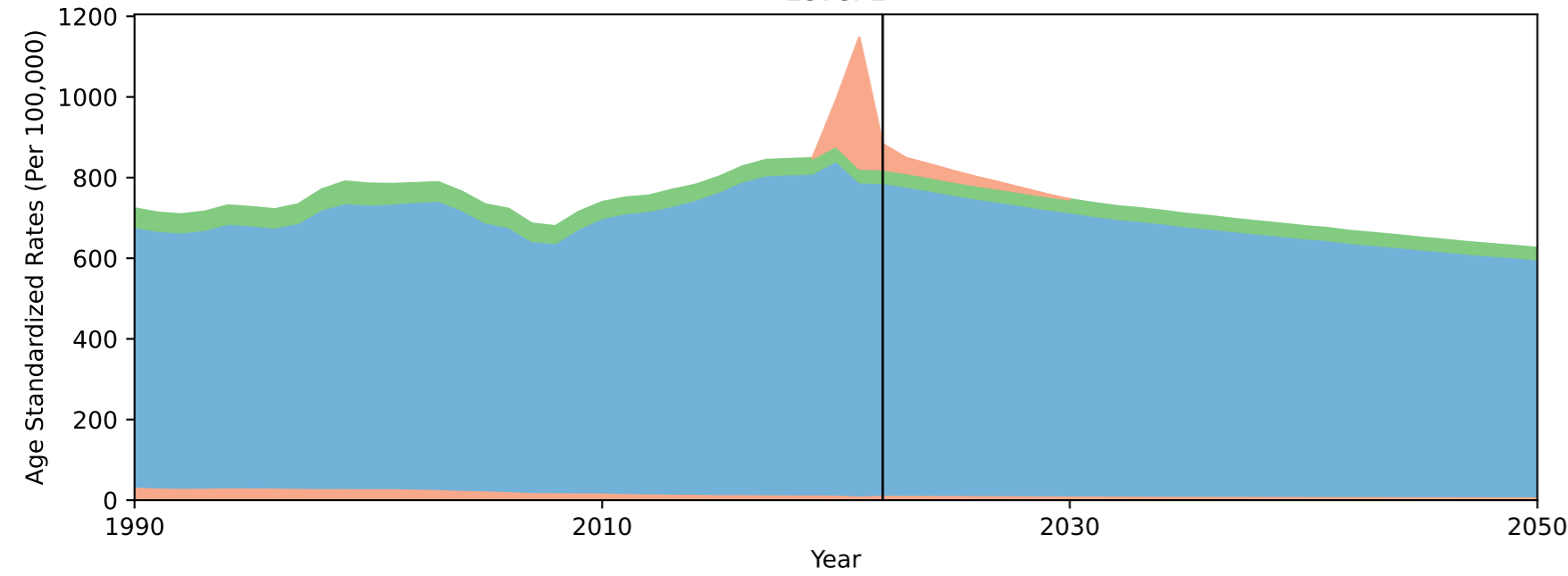


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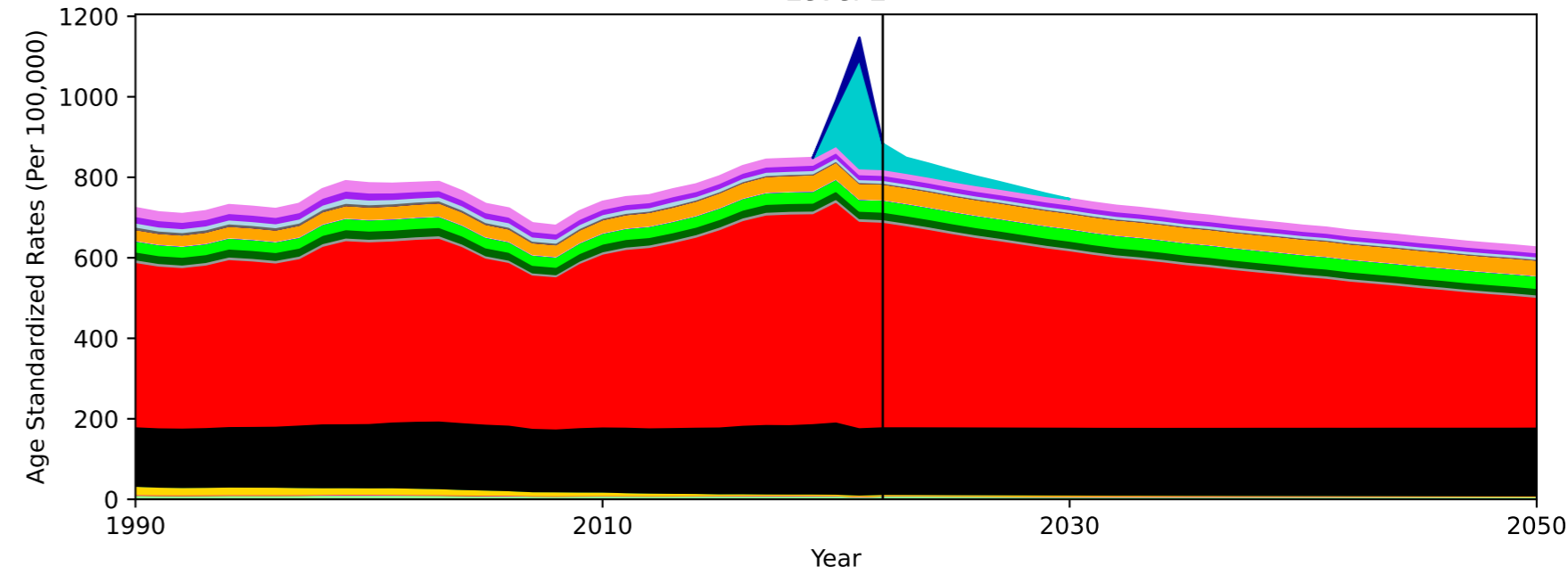


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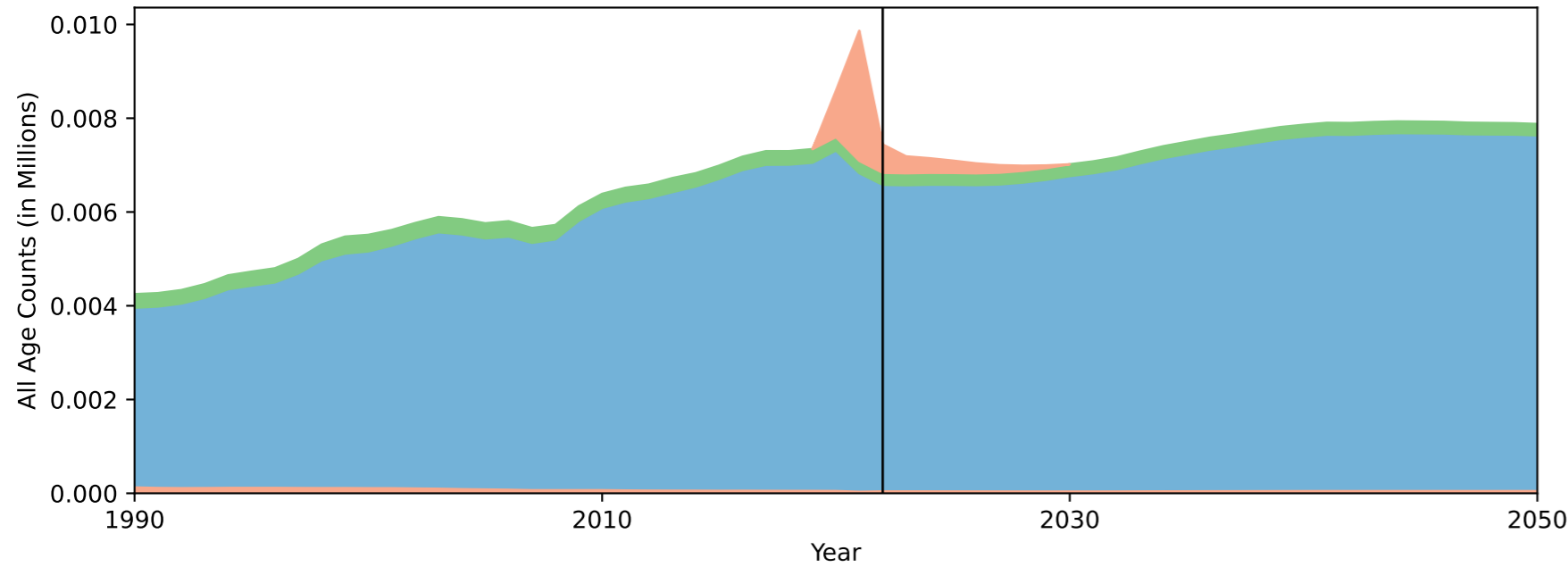
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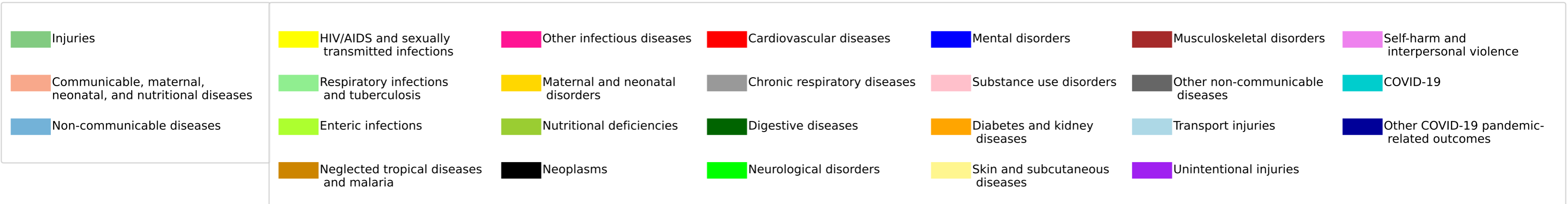
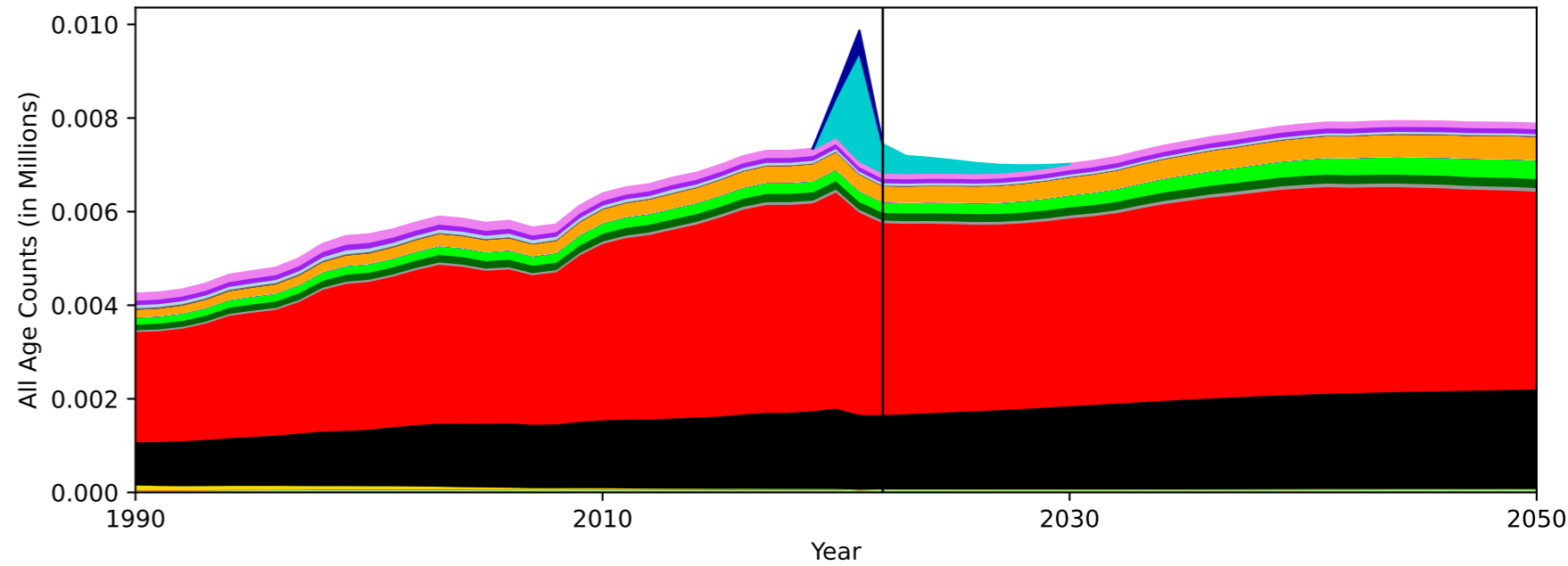
Level 2



Level 1



Level 2

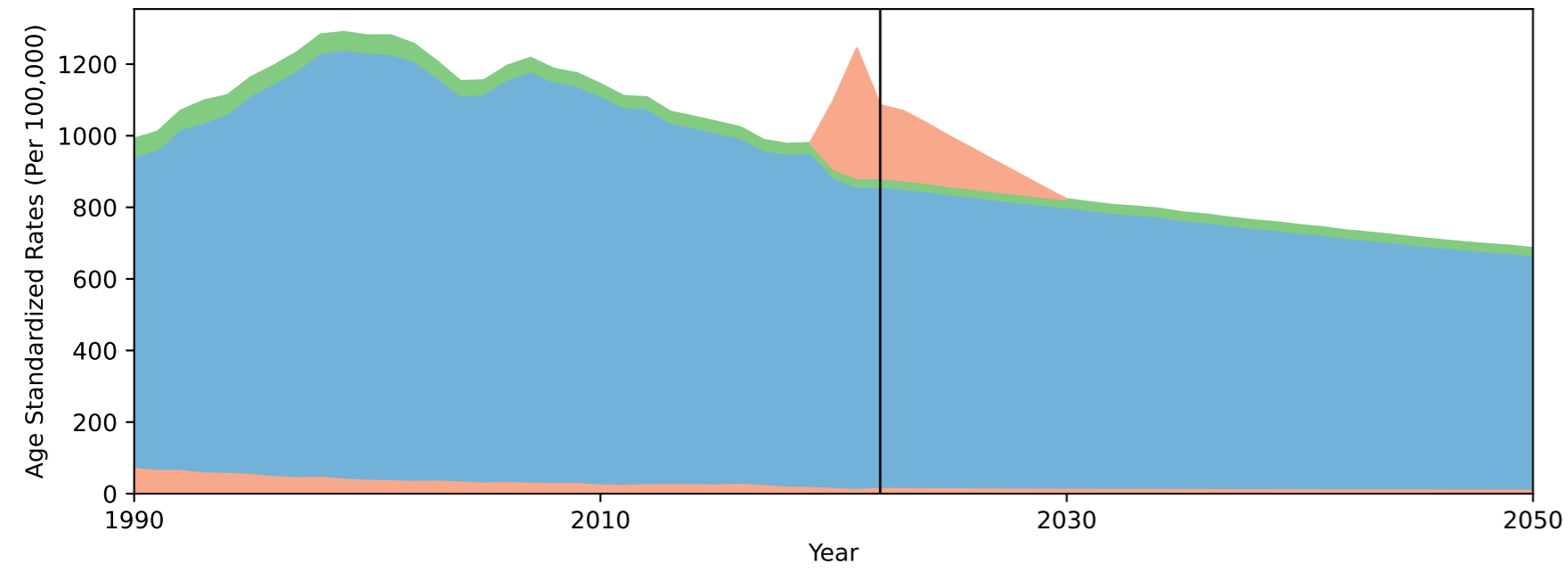


# North Macedonia

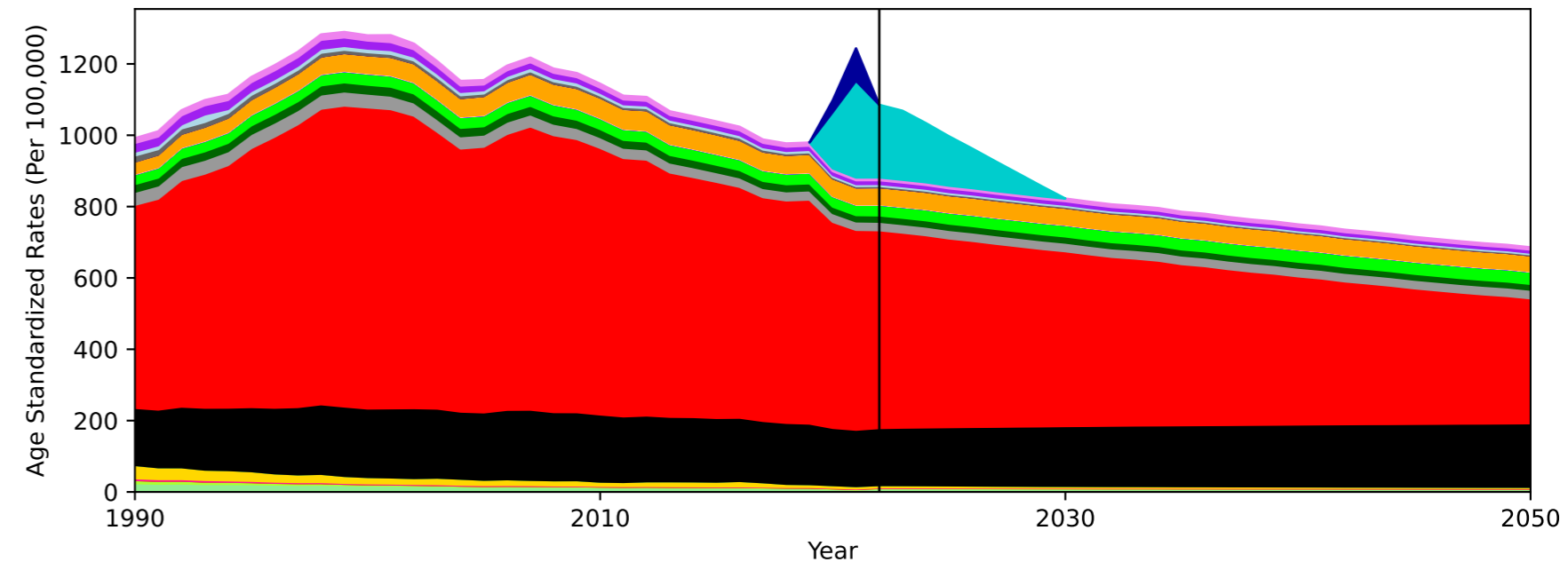
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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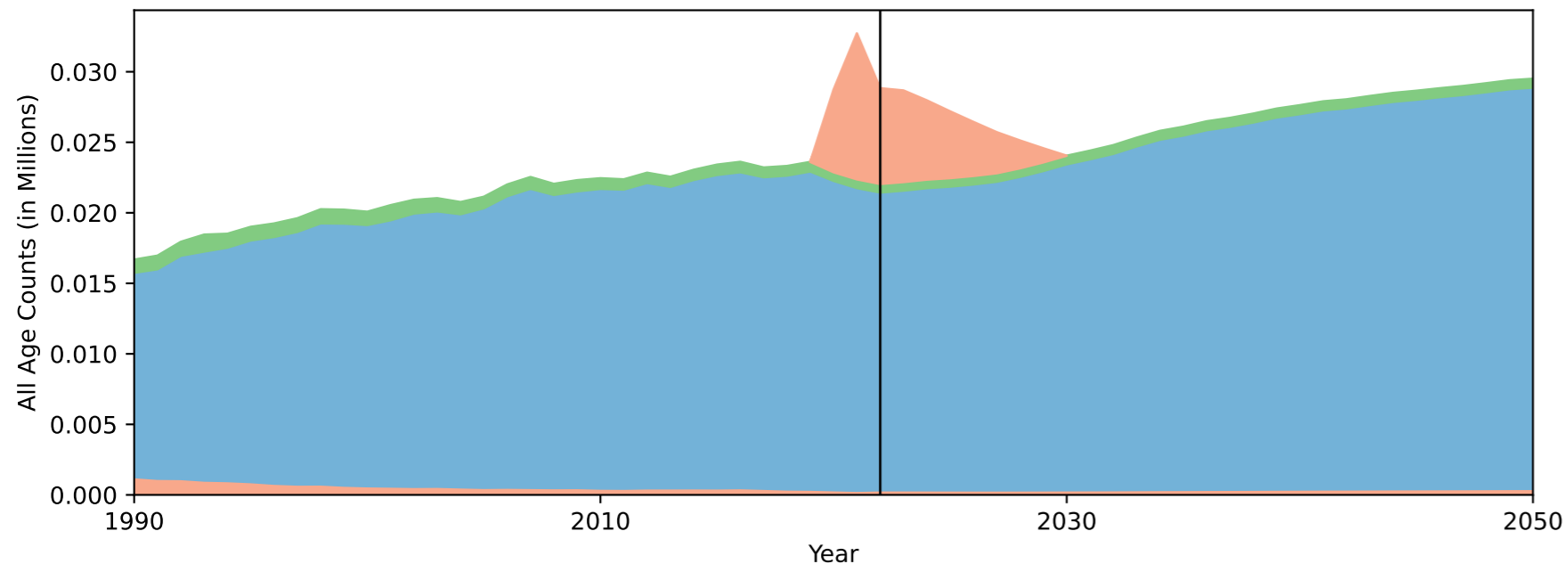
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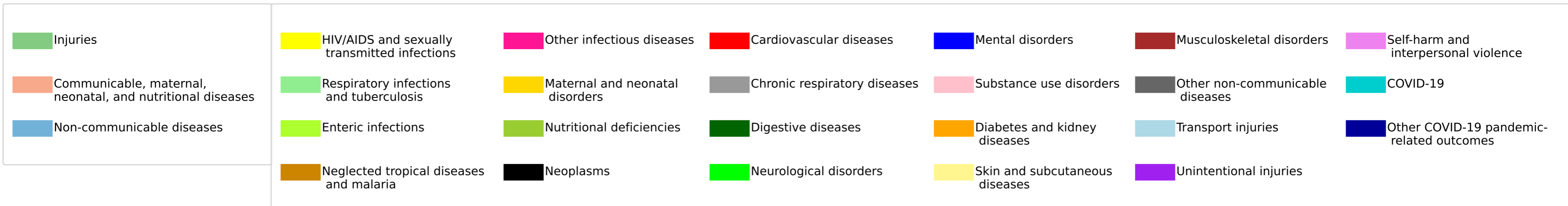
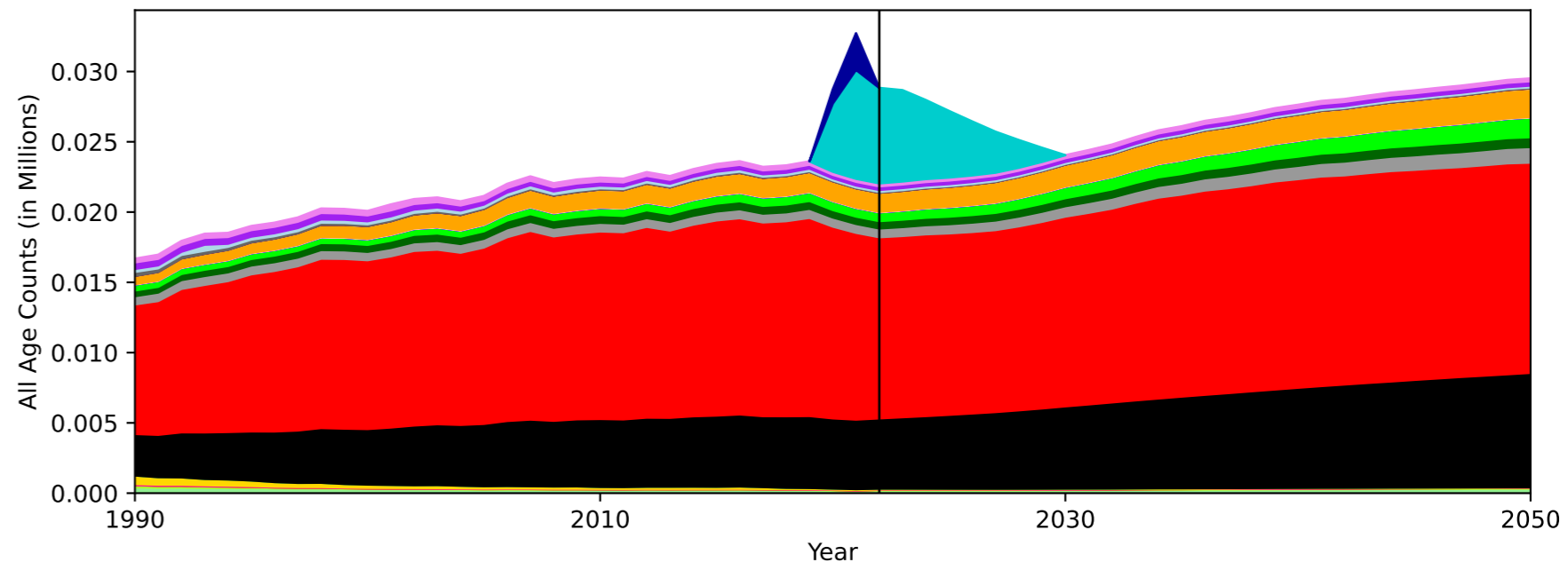
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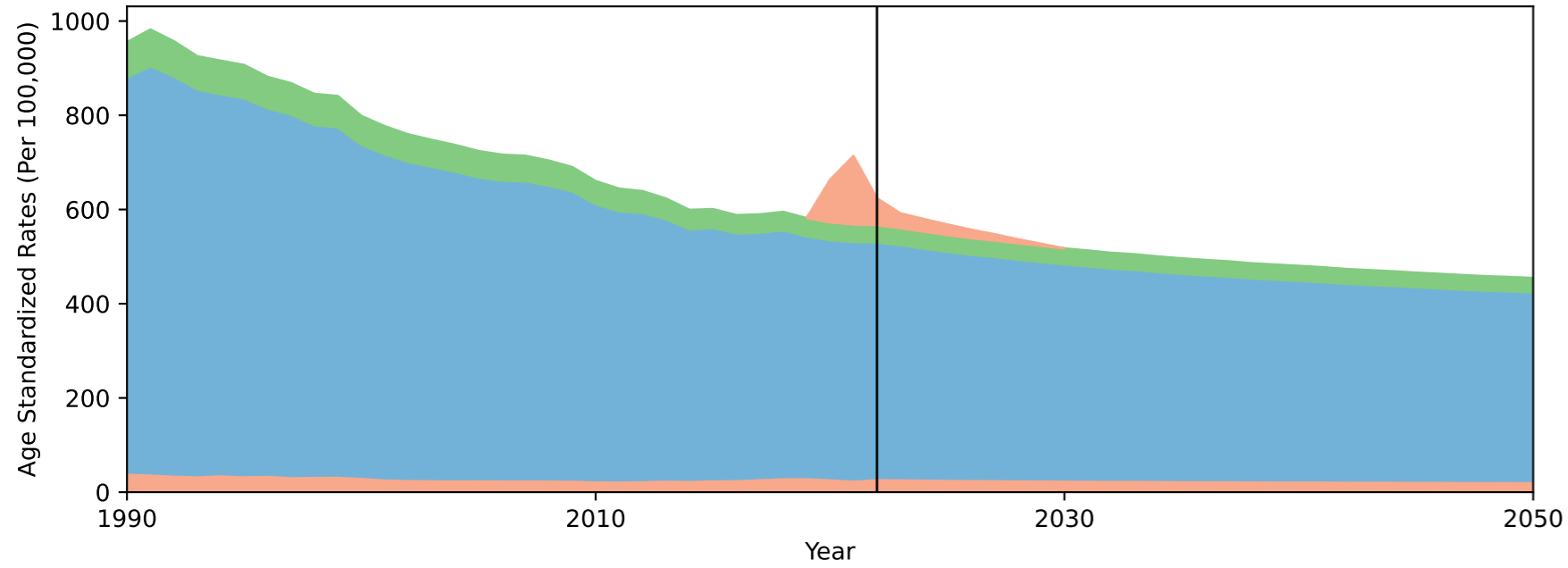
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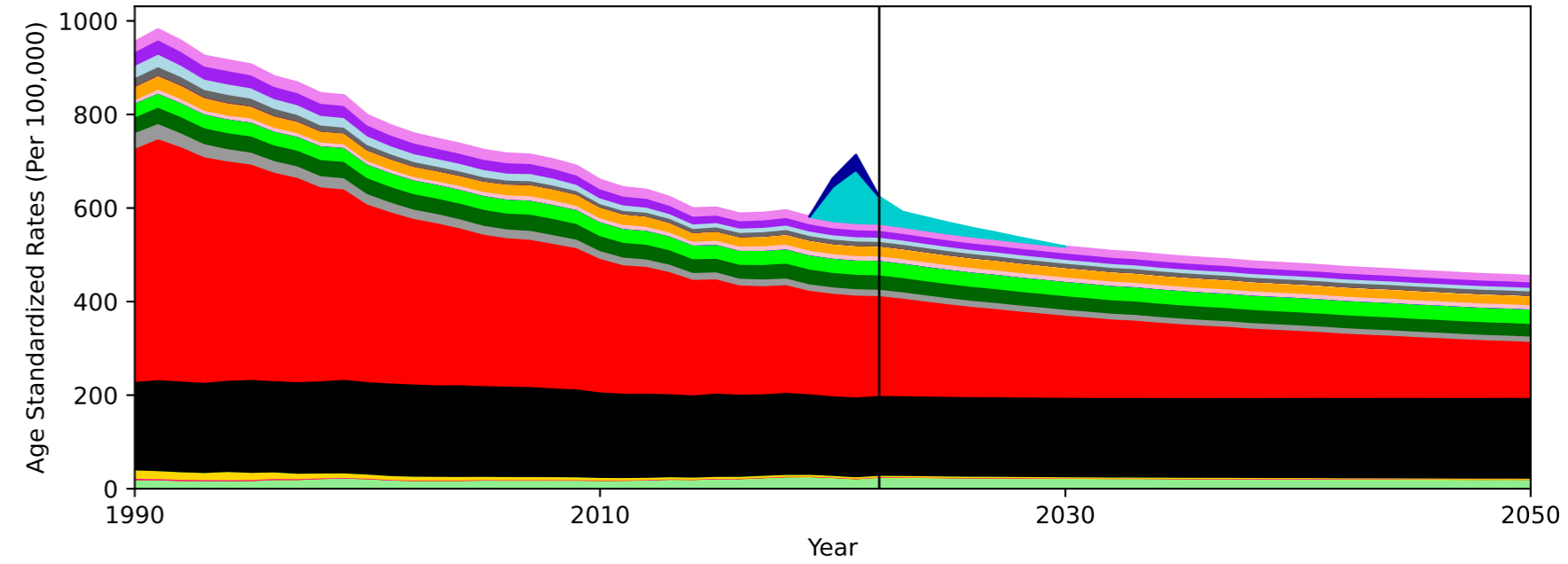
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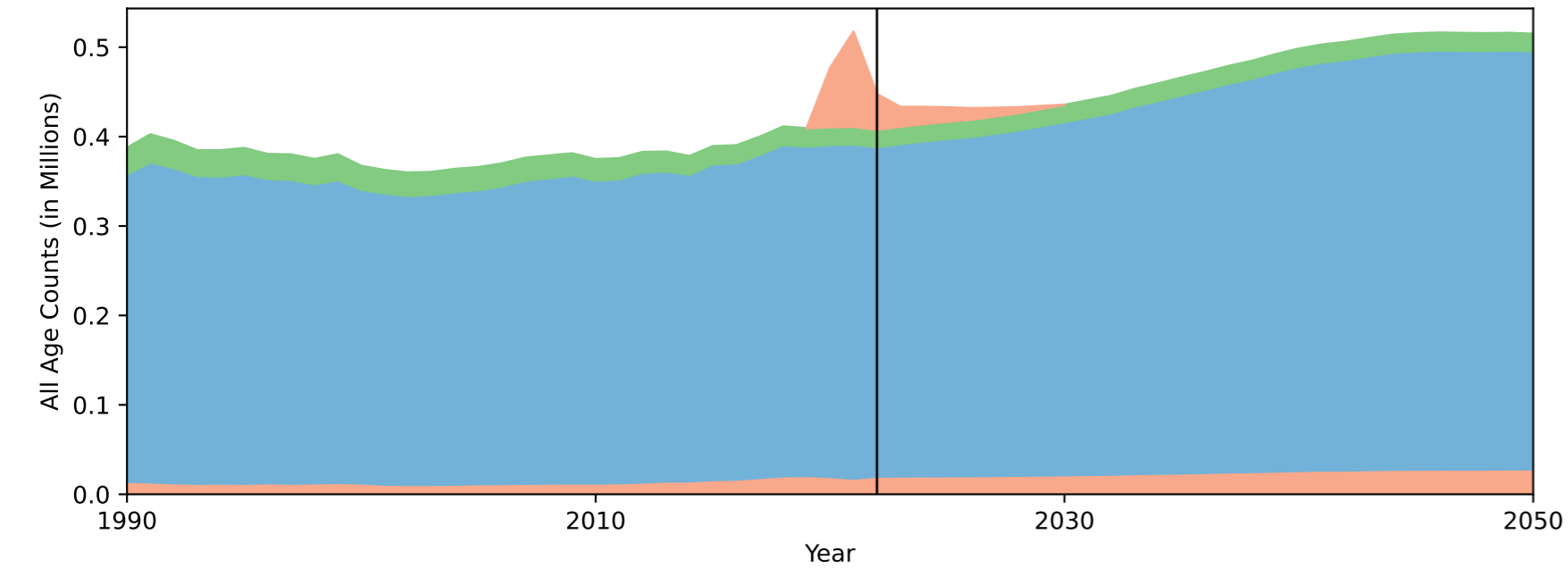
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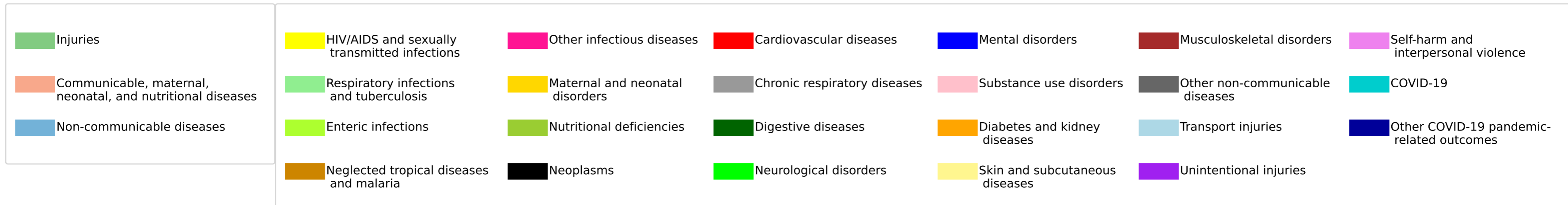
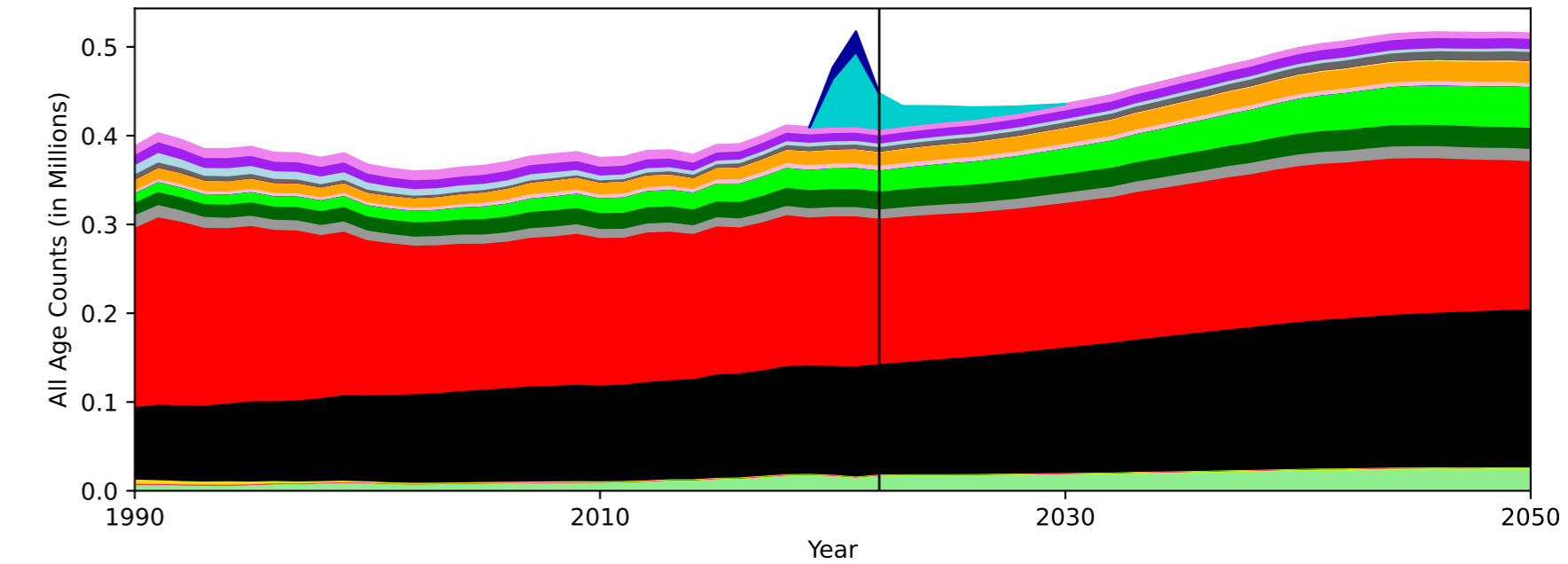
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Level 1



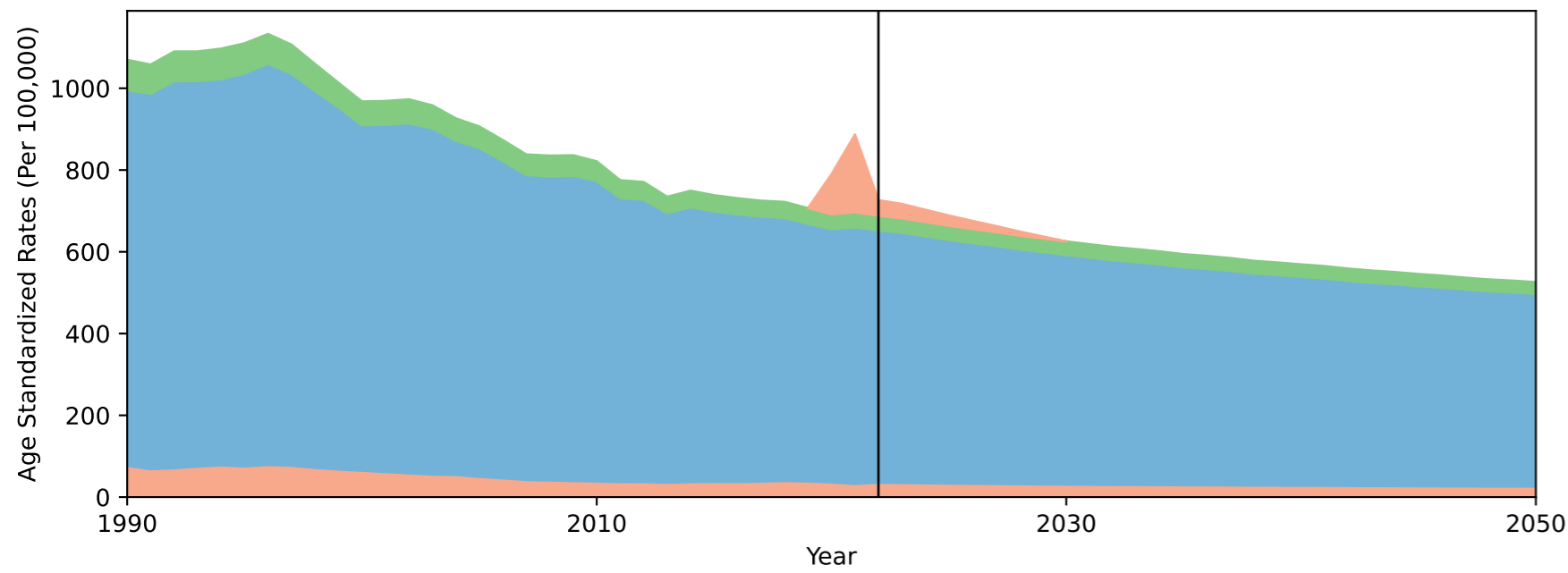
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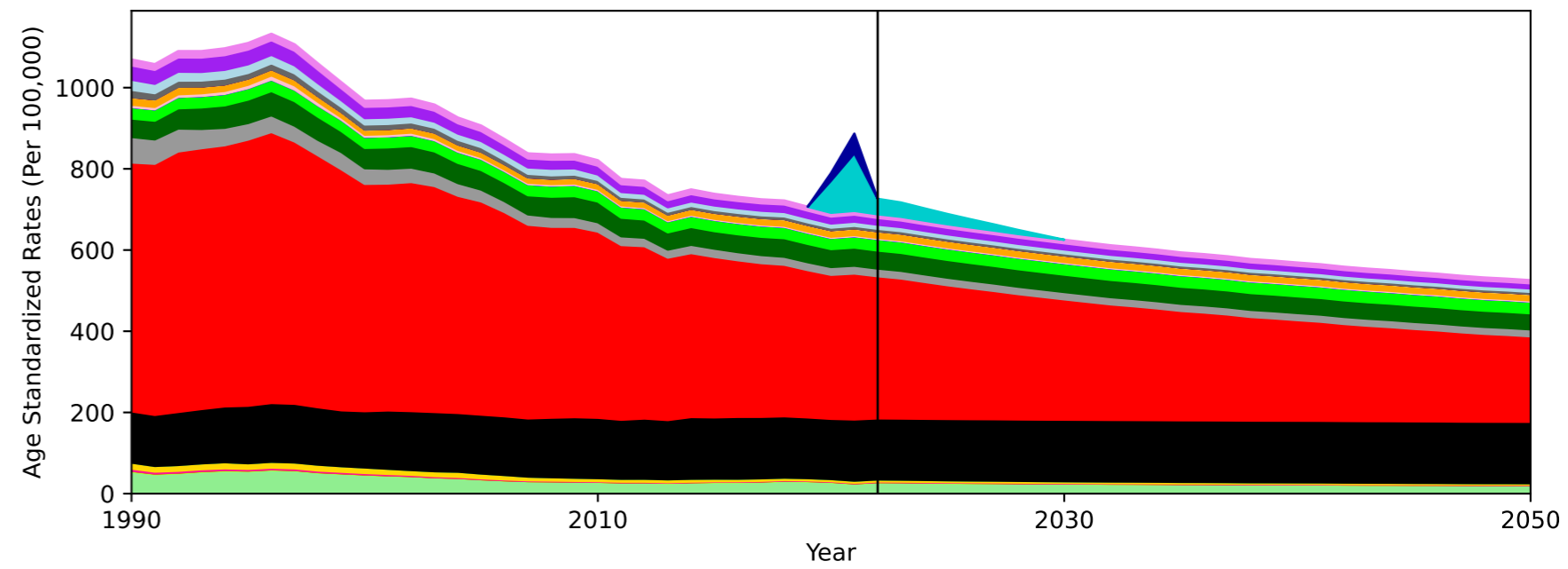


# Romania

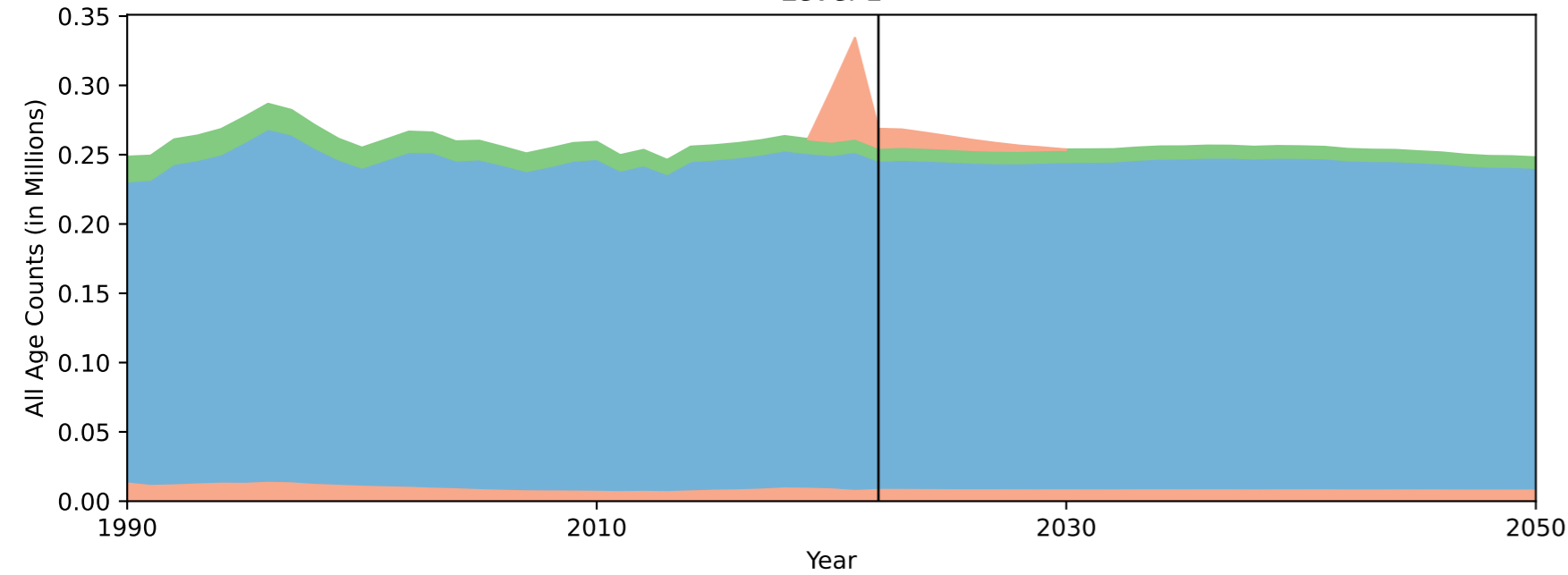
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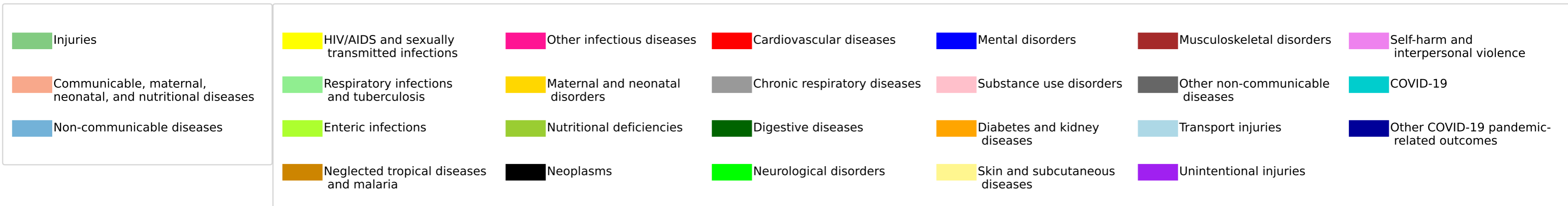
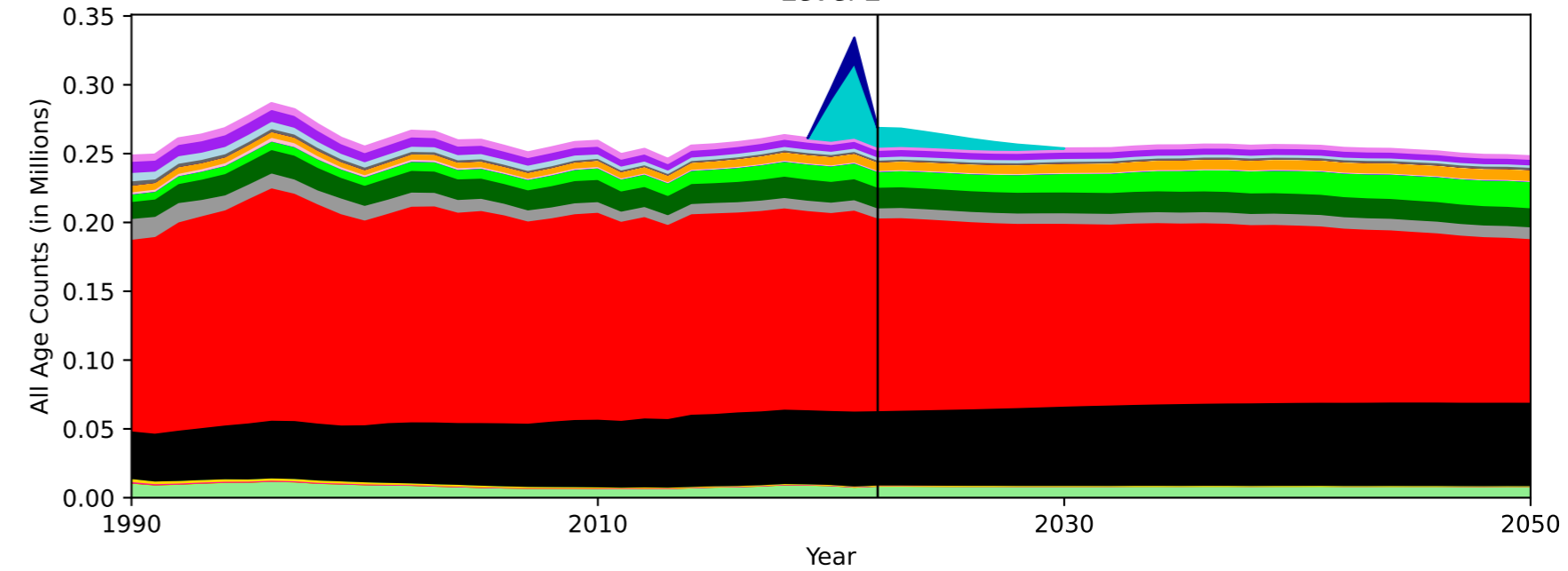
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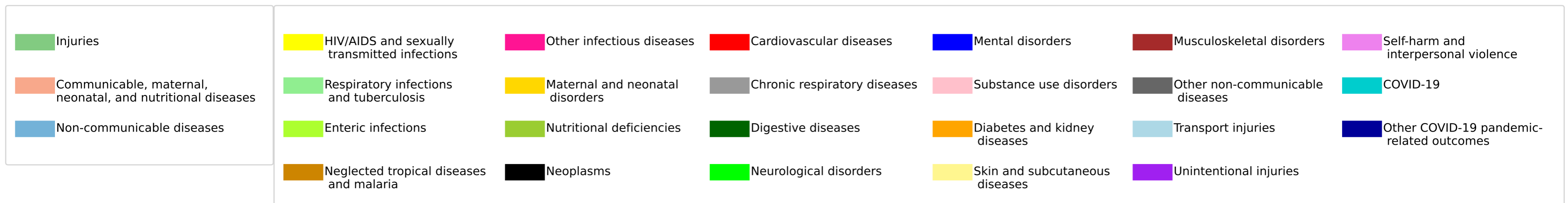
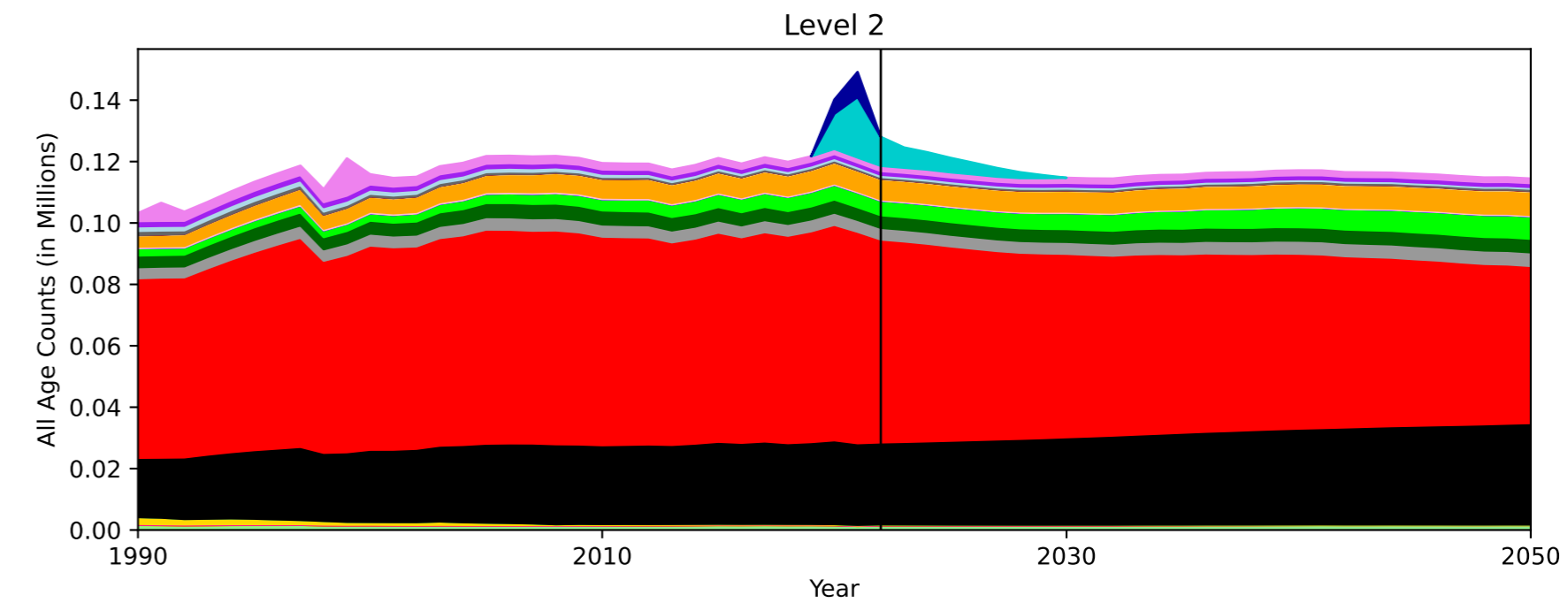
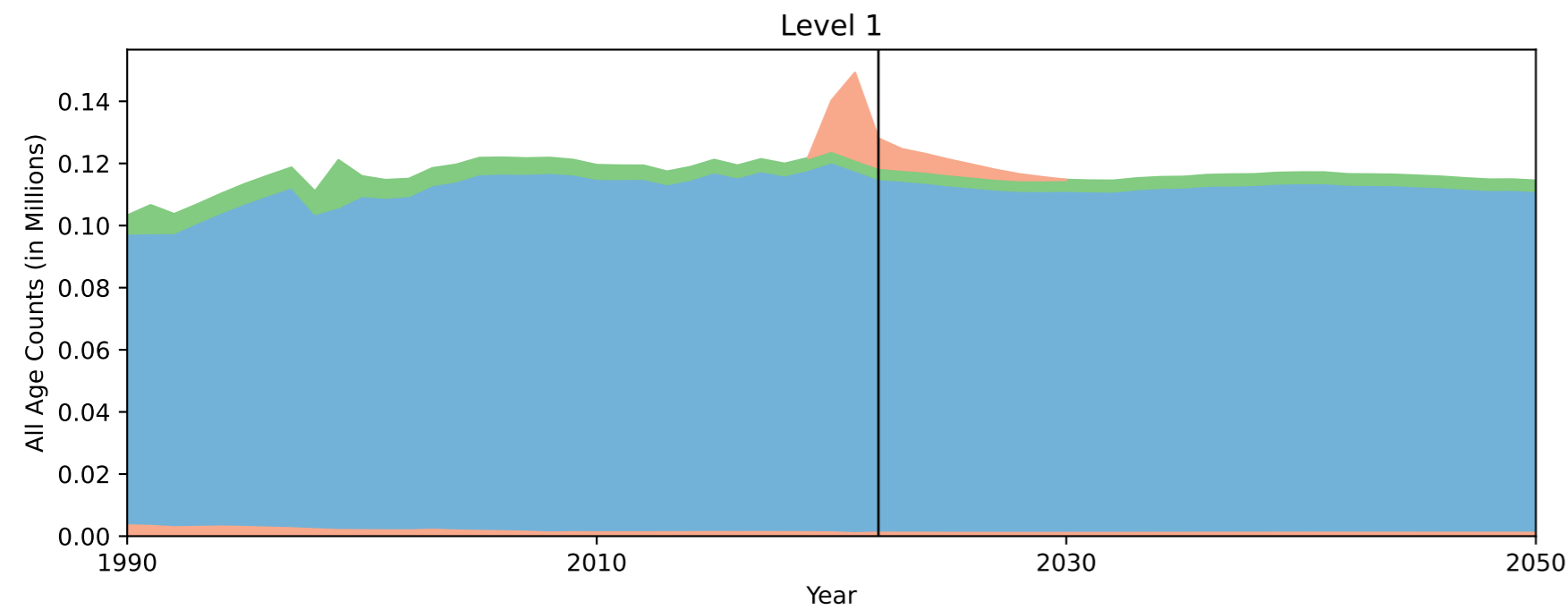
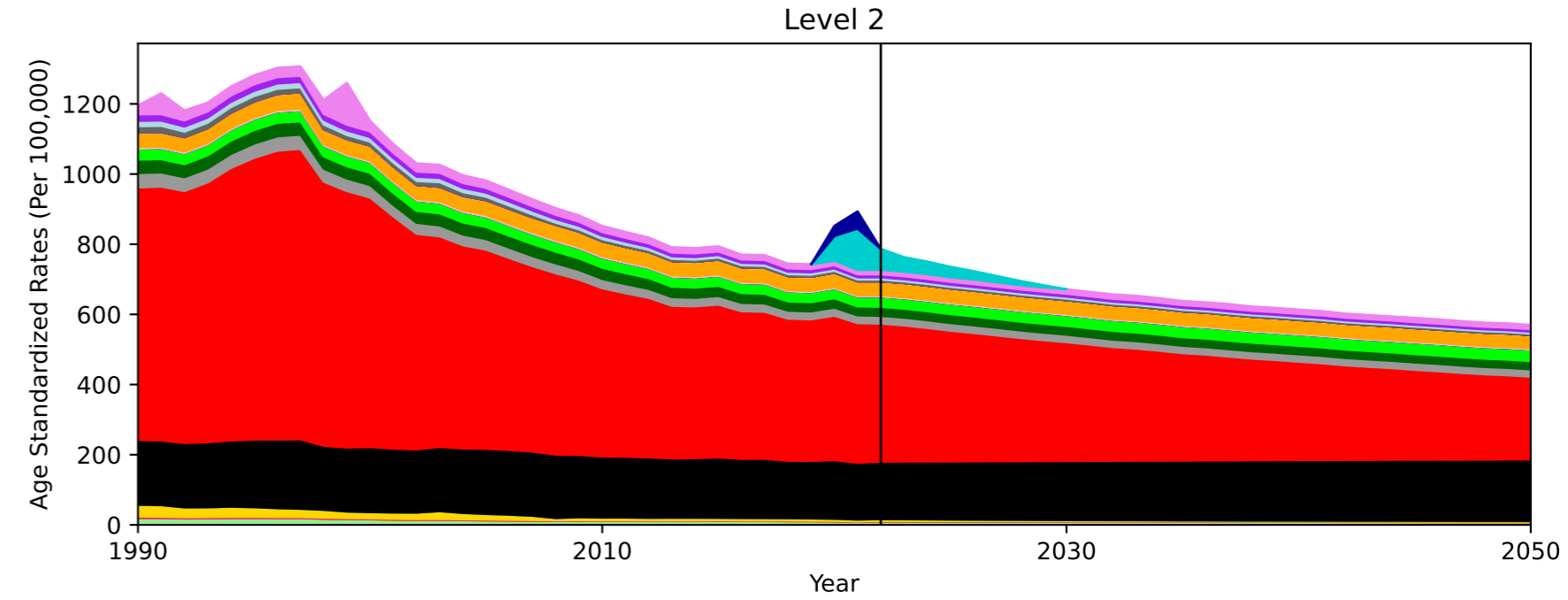
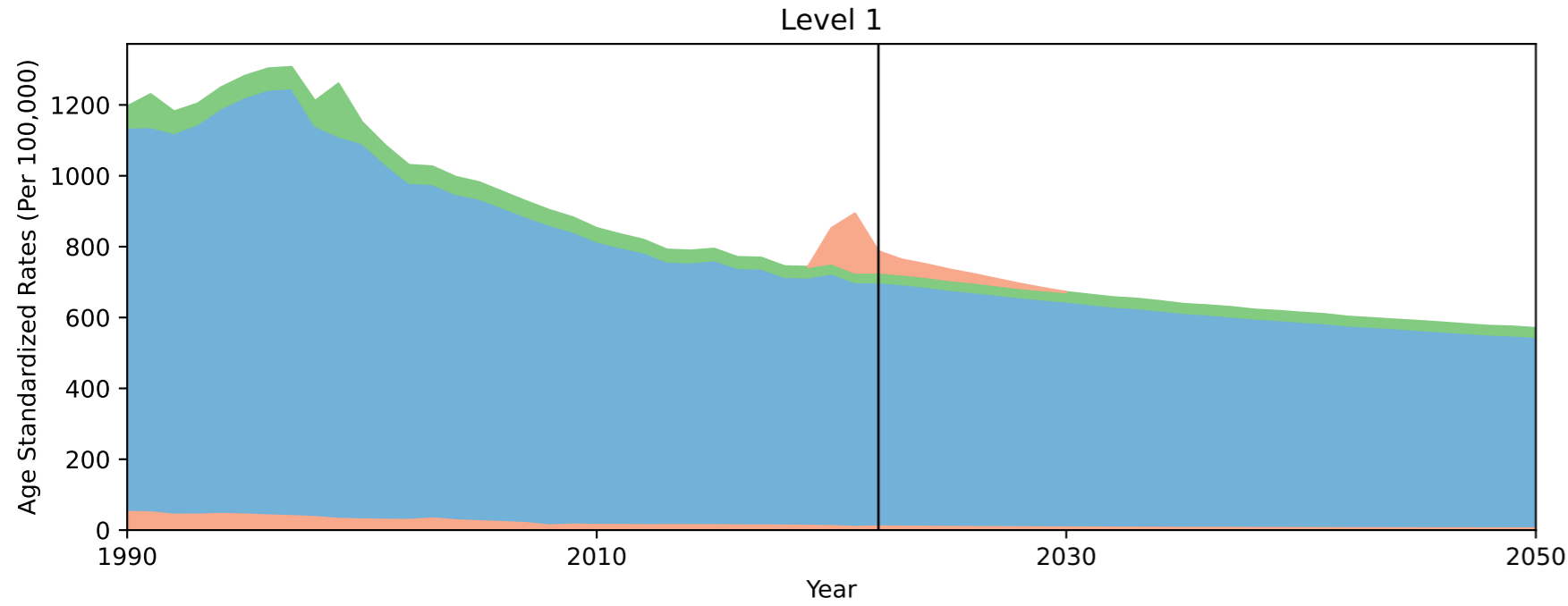
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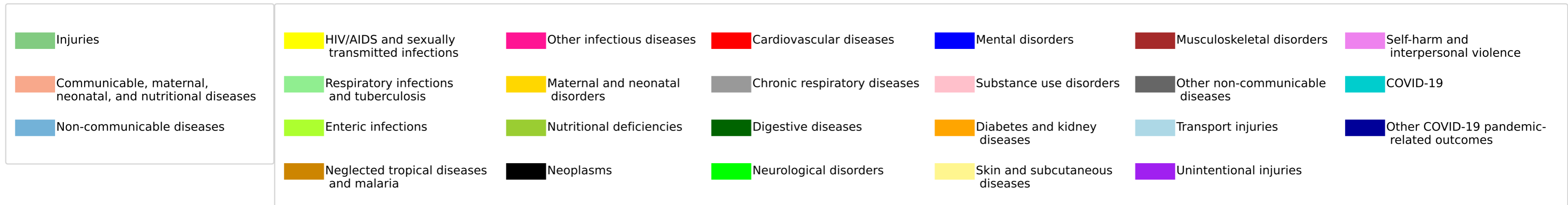
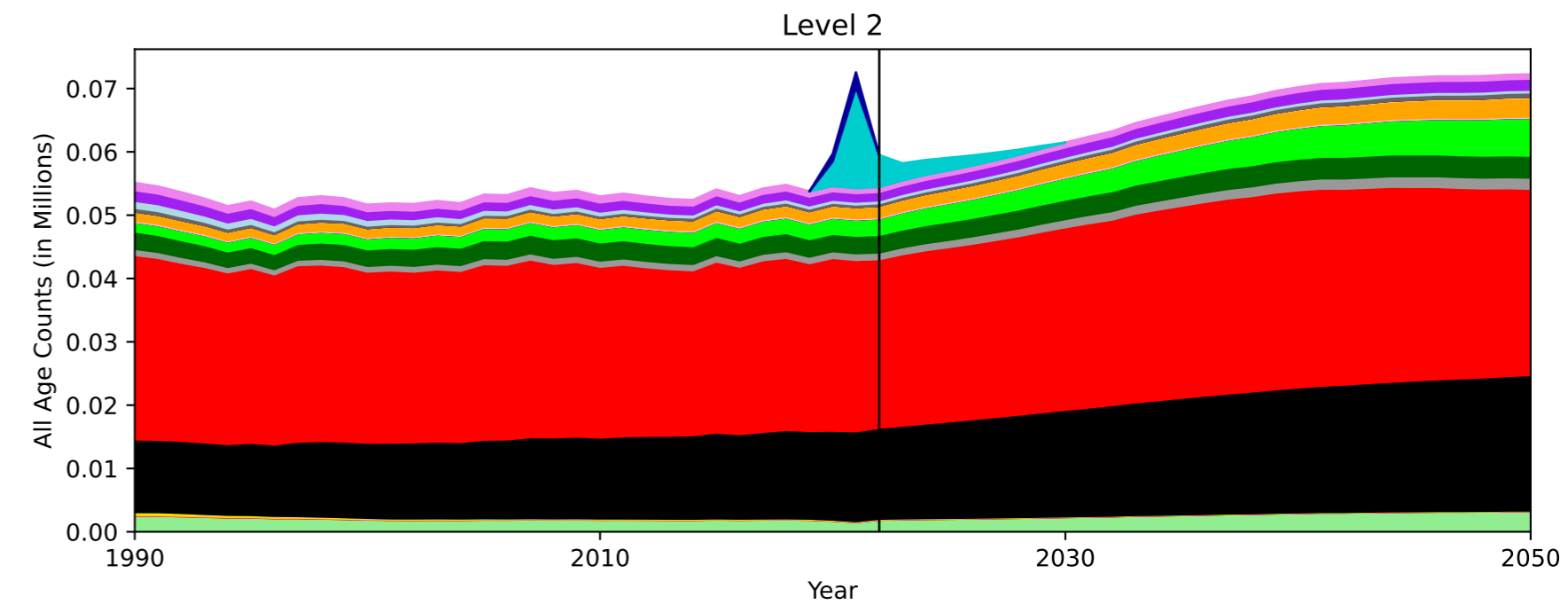
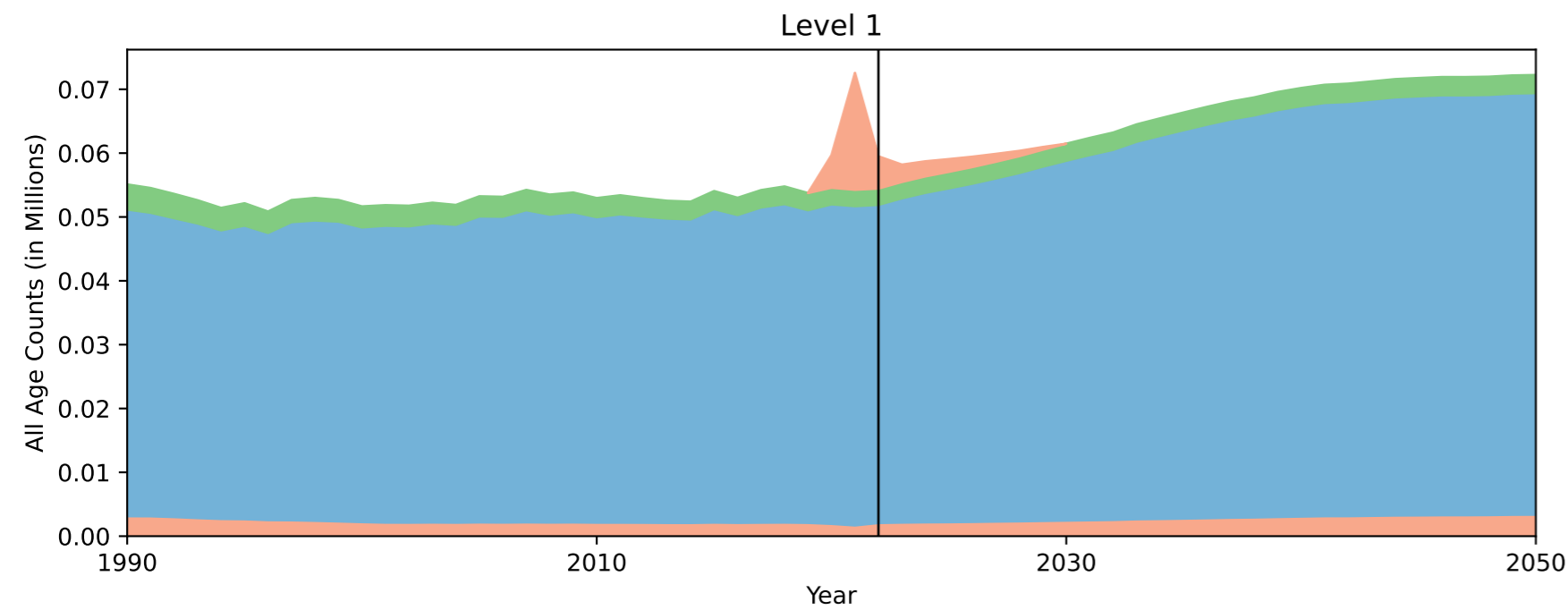
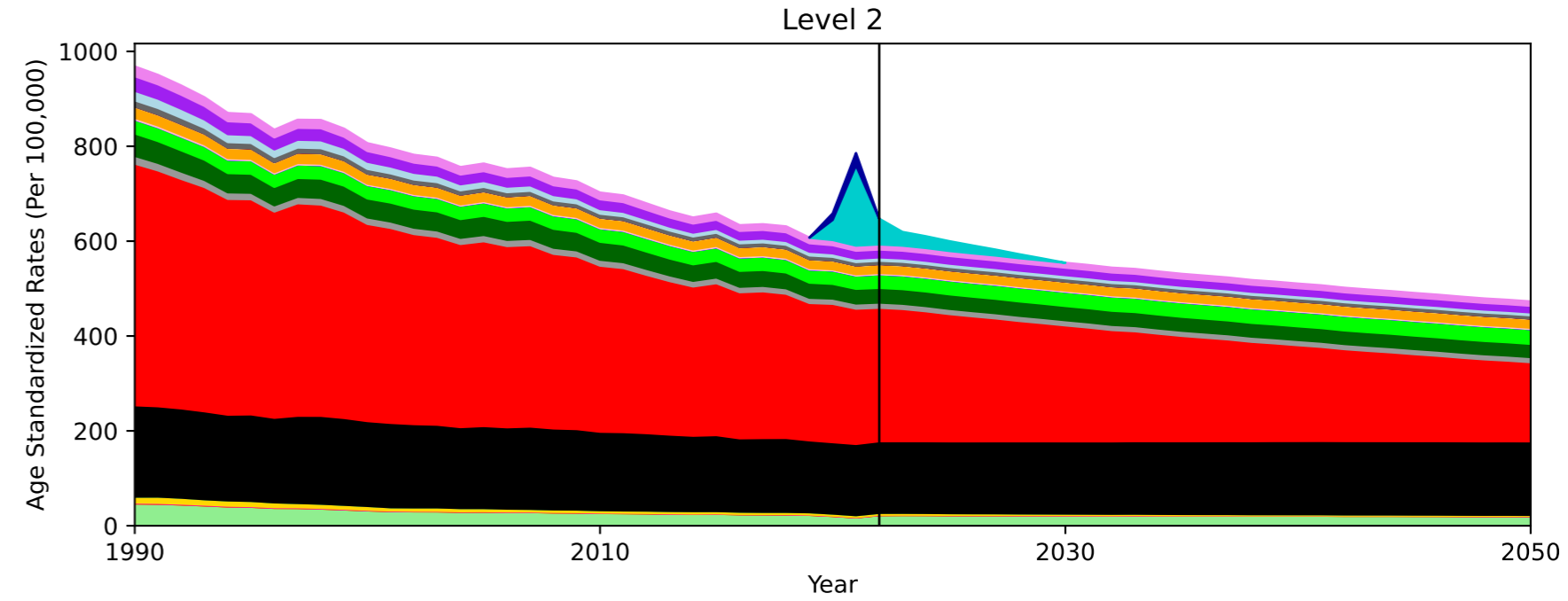
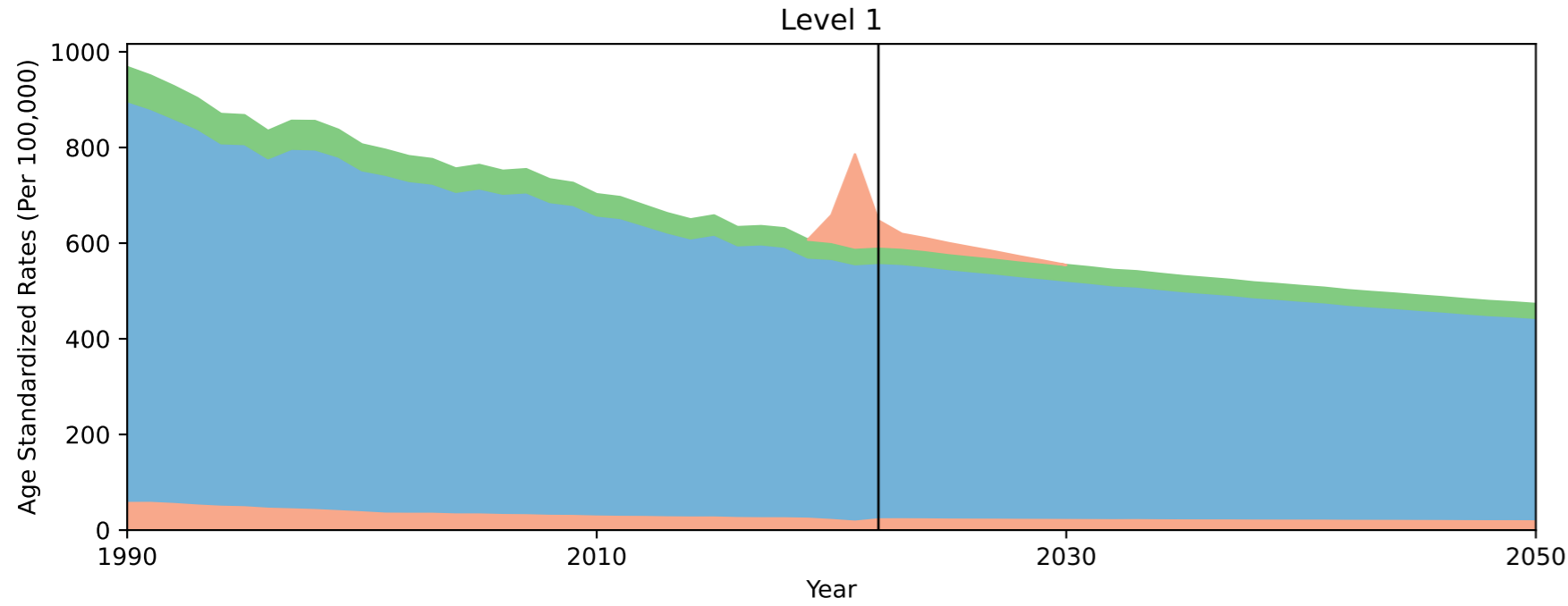
Level 2



# Serbia

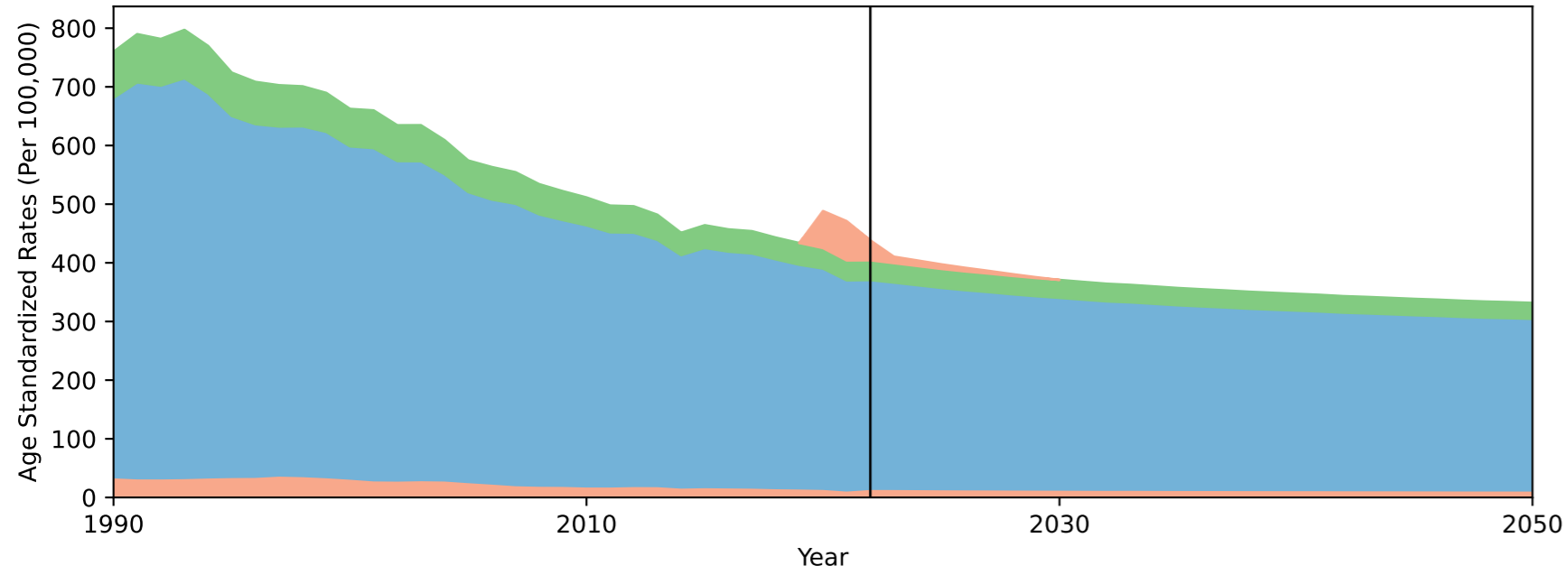


# Slovakia

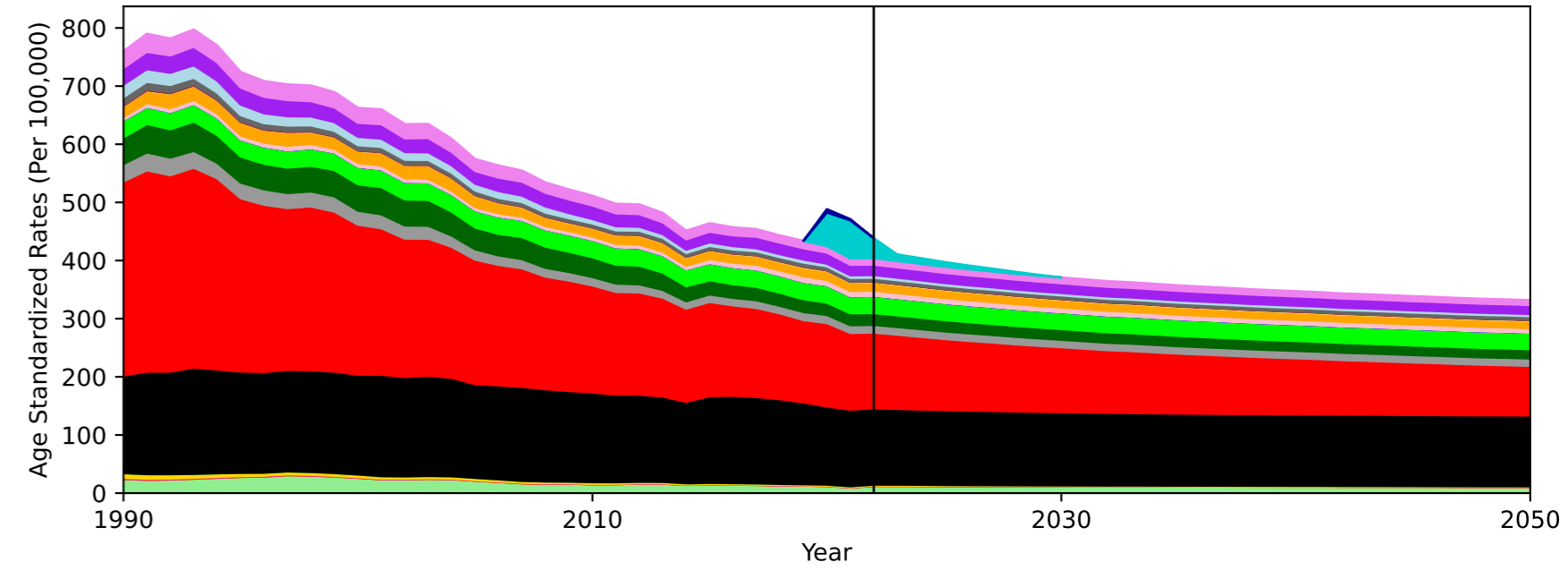


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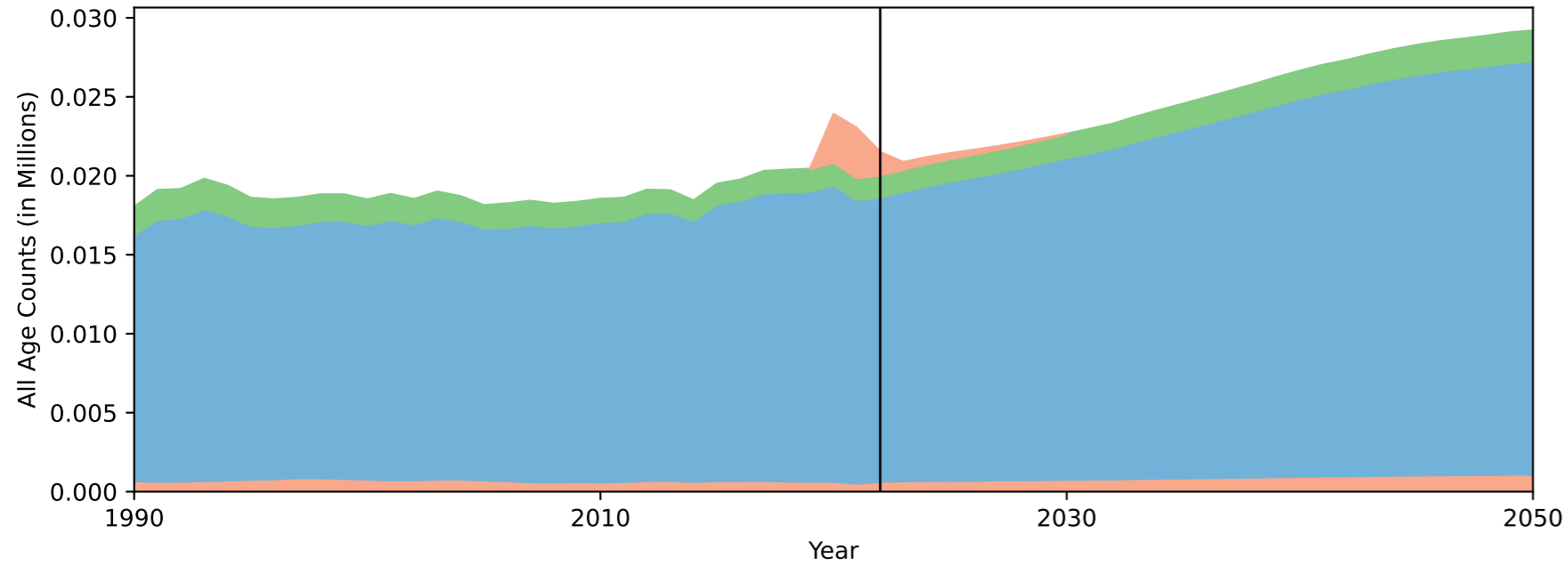
Level 1



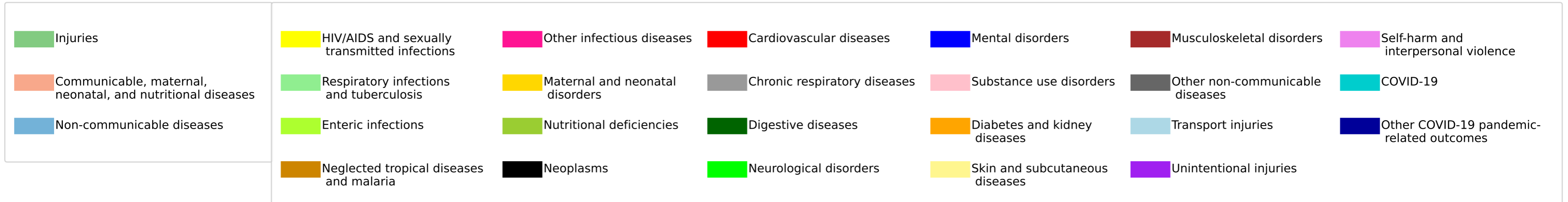
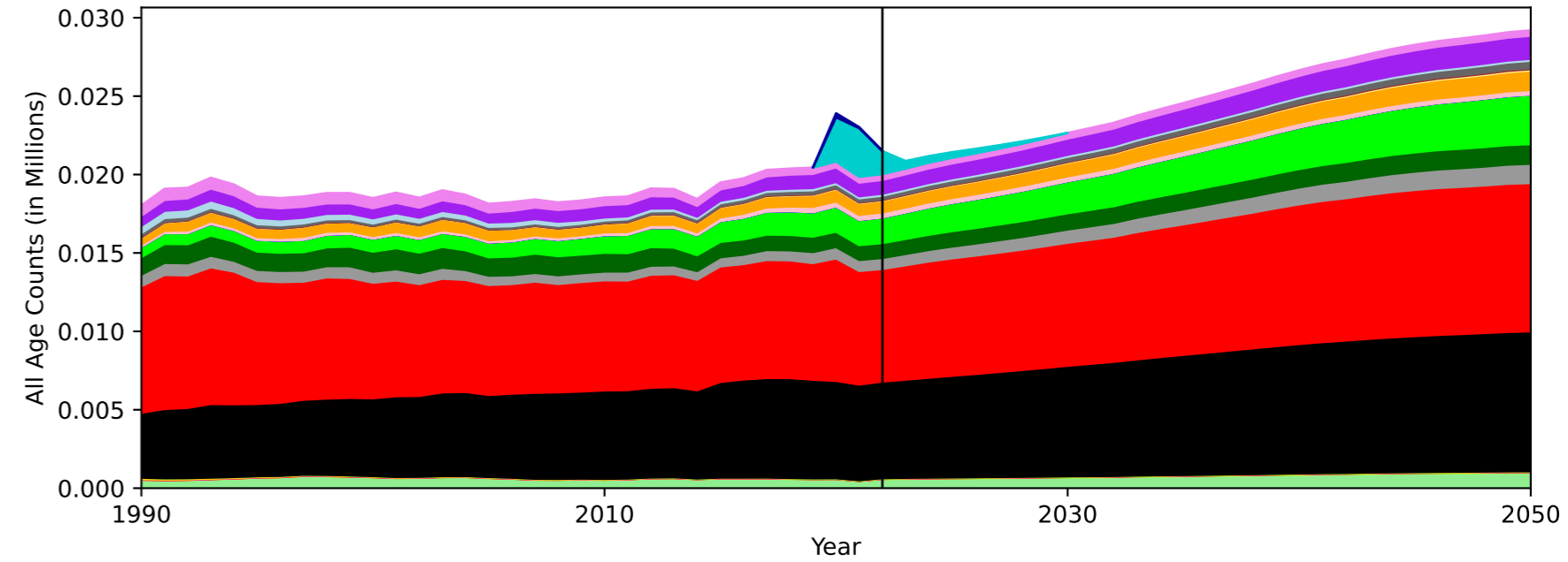
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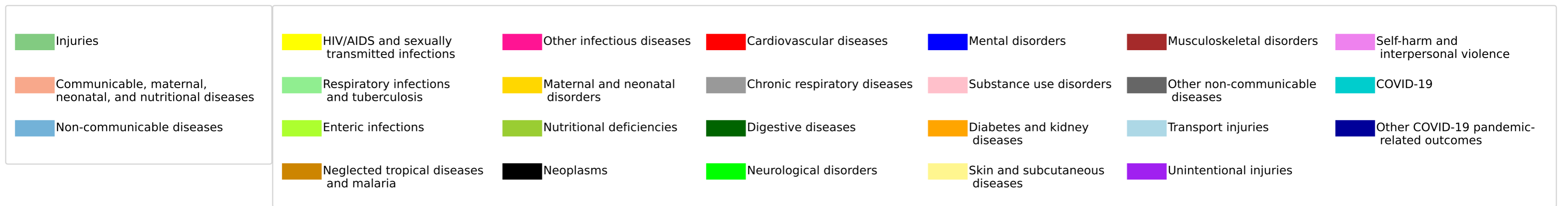
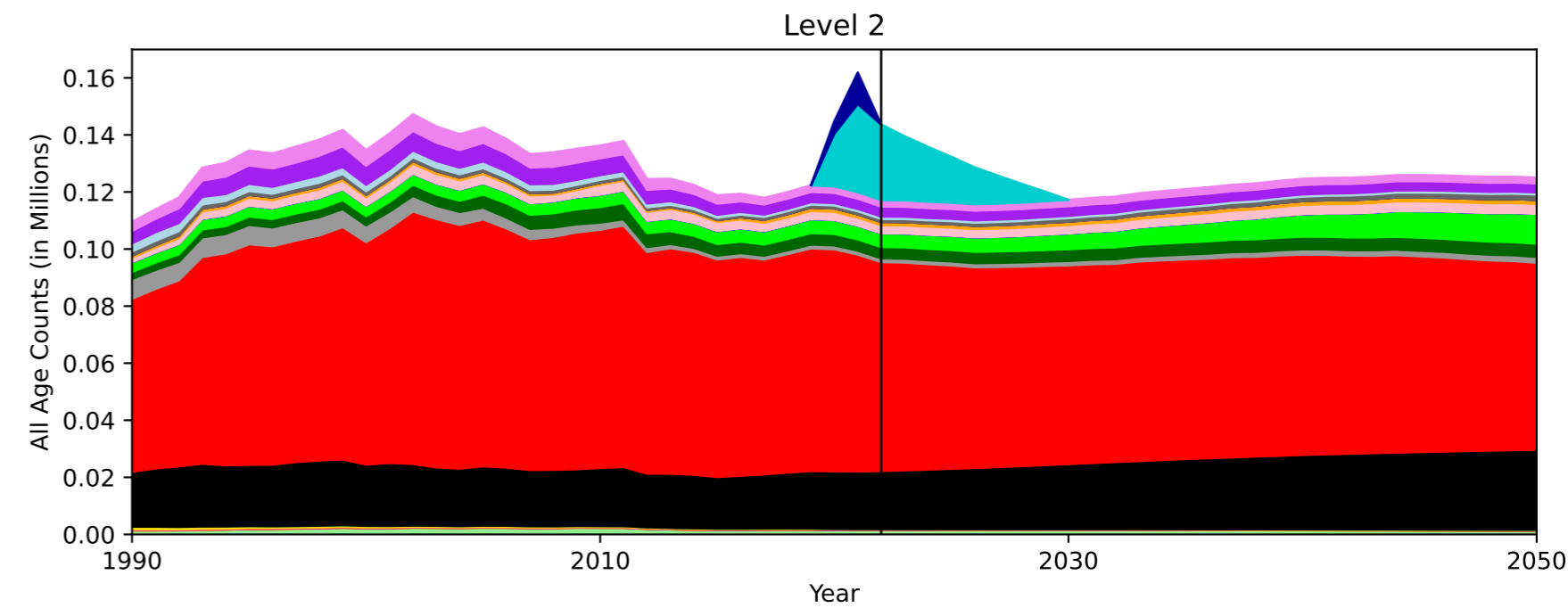
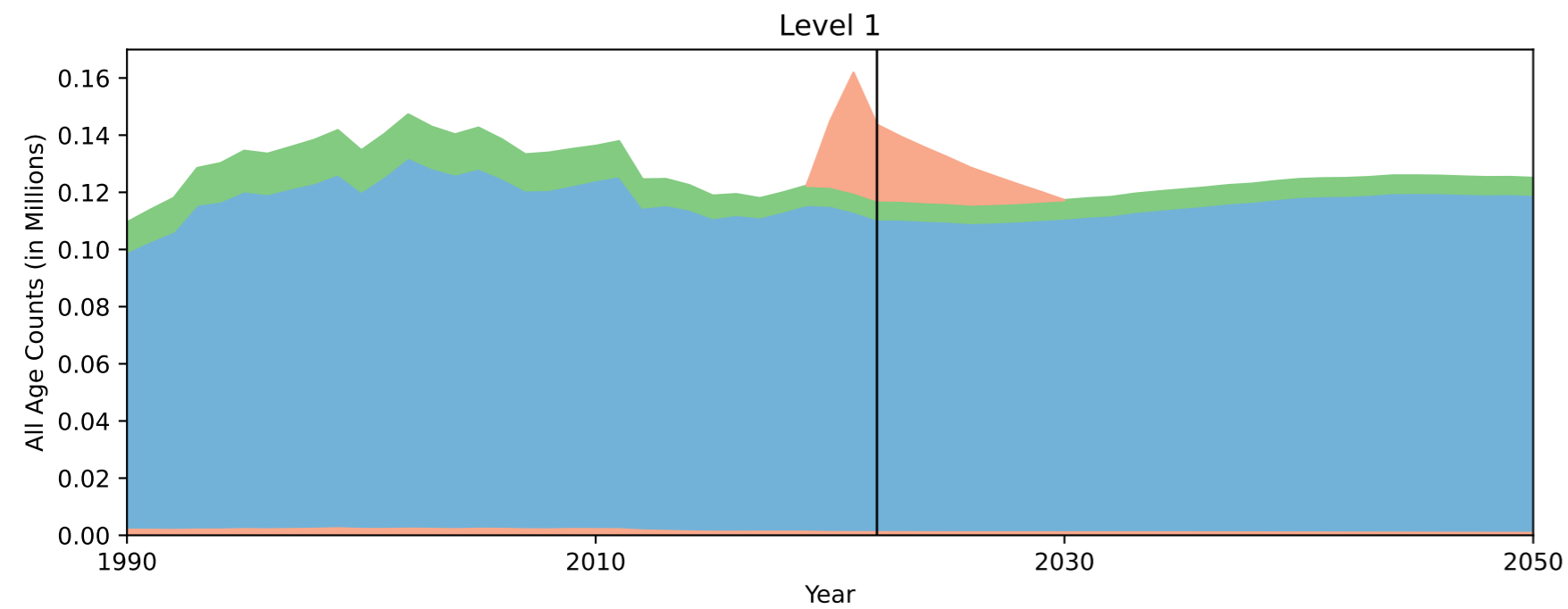
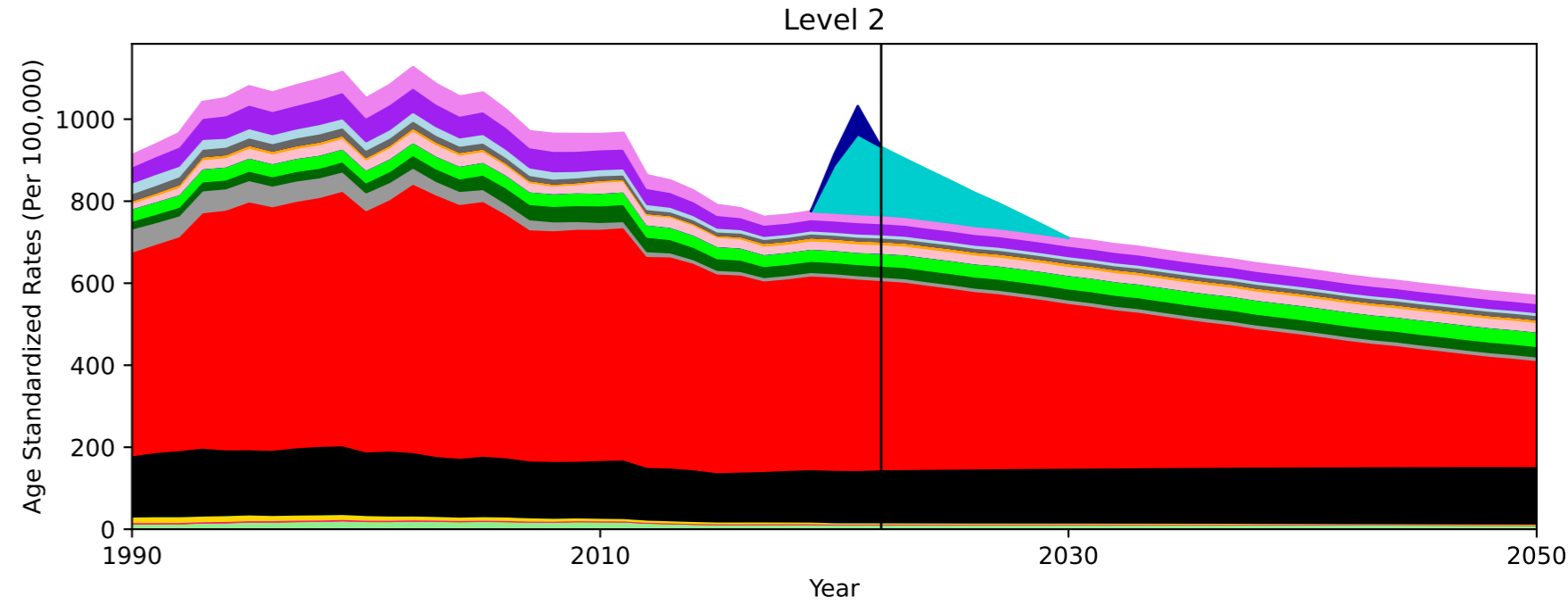
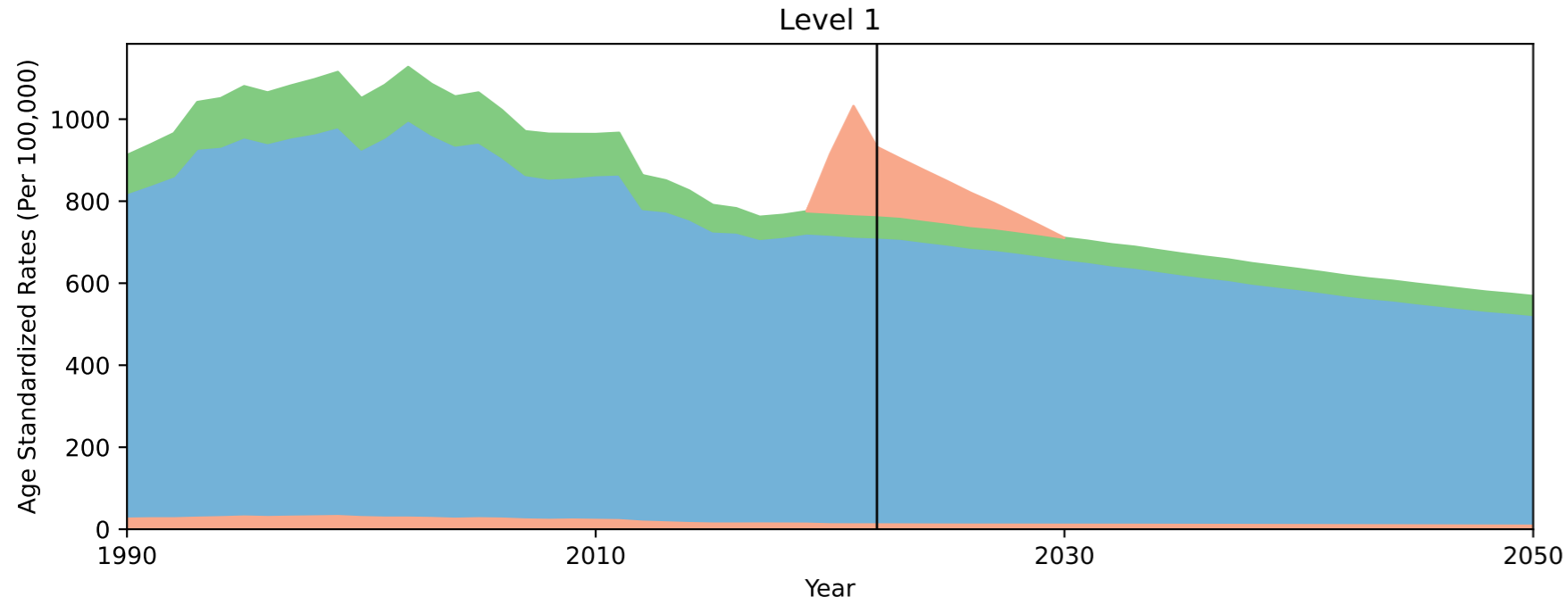
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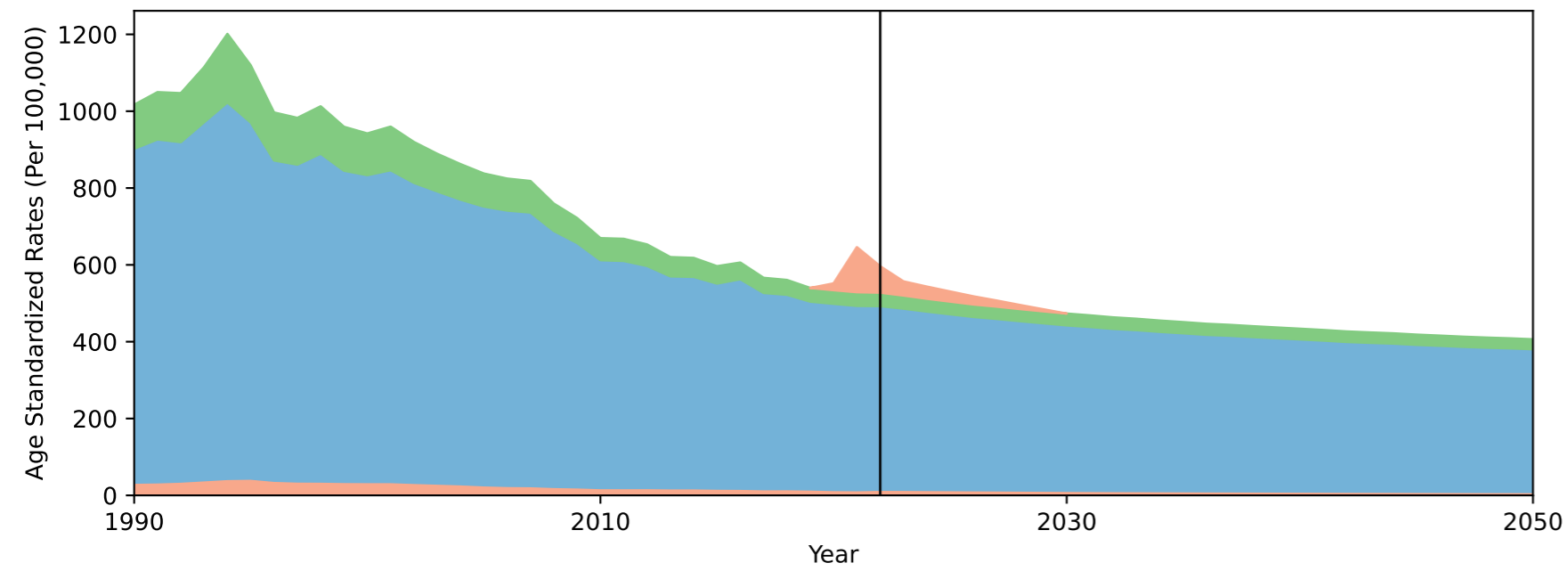
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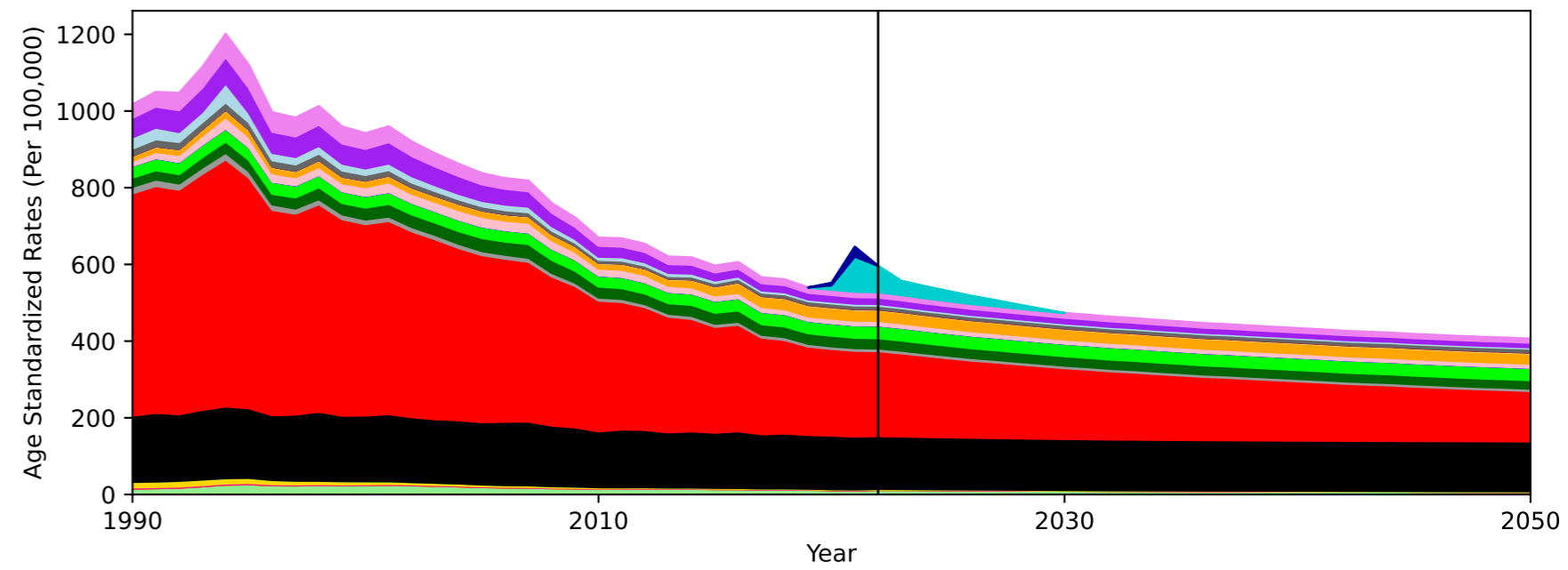
# Belarus



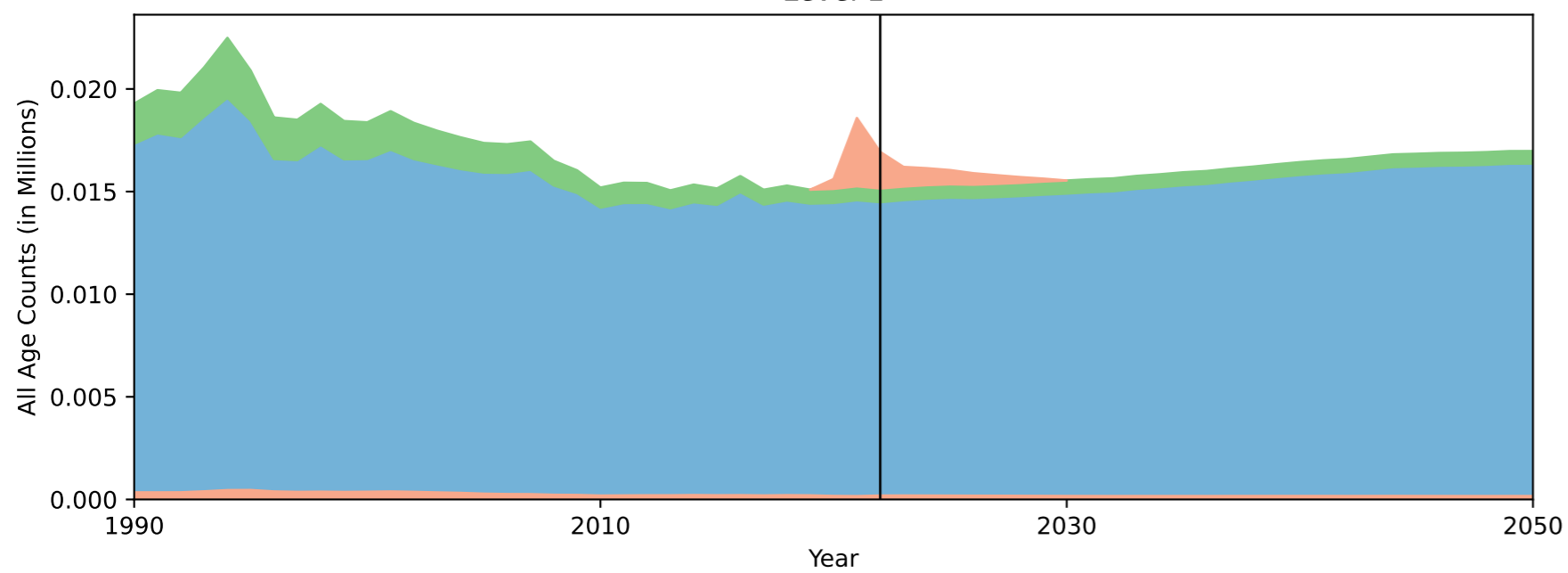
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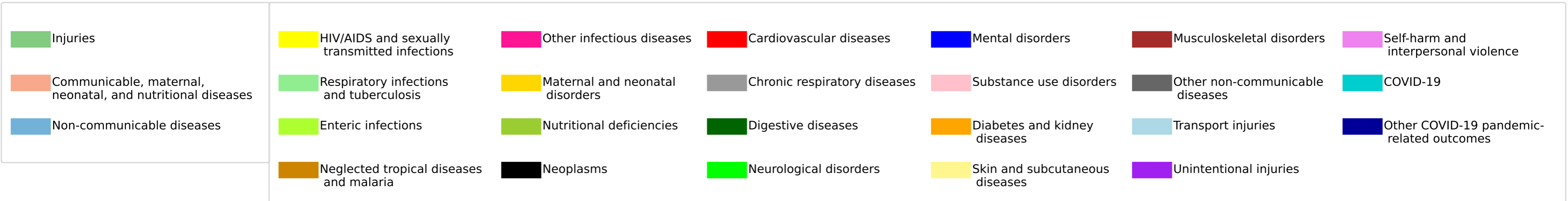
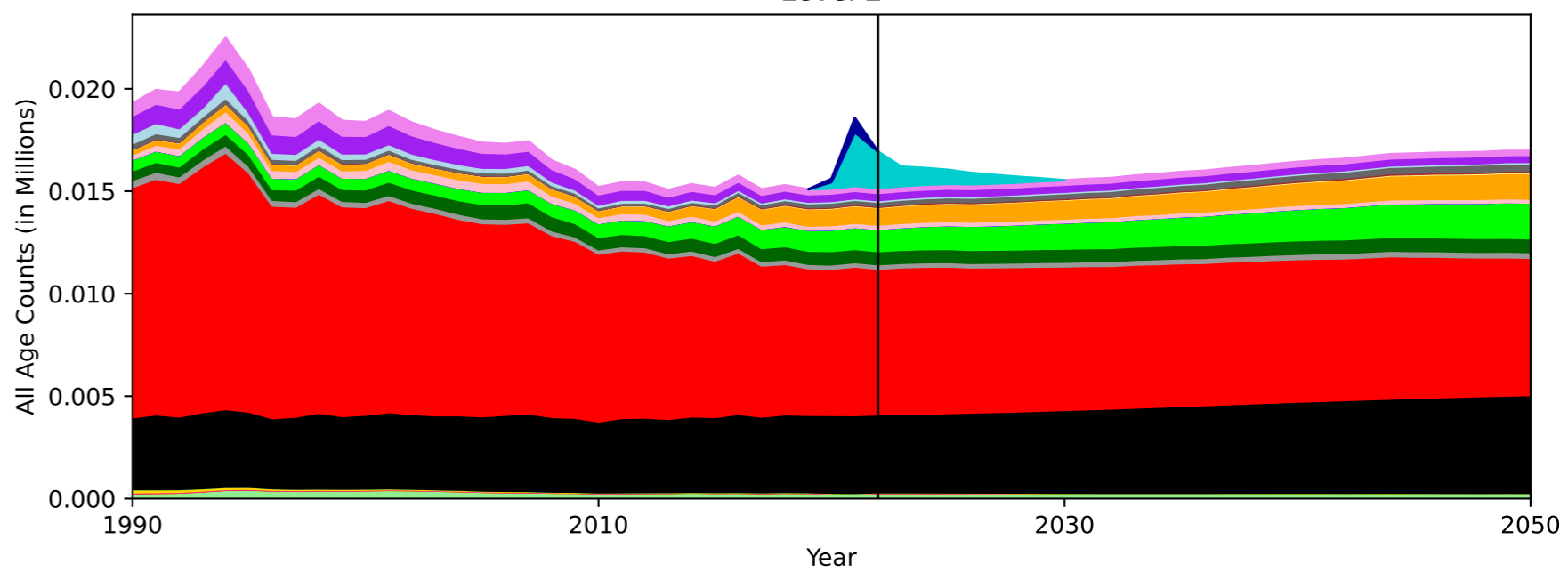
Level 2



Level 1

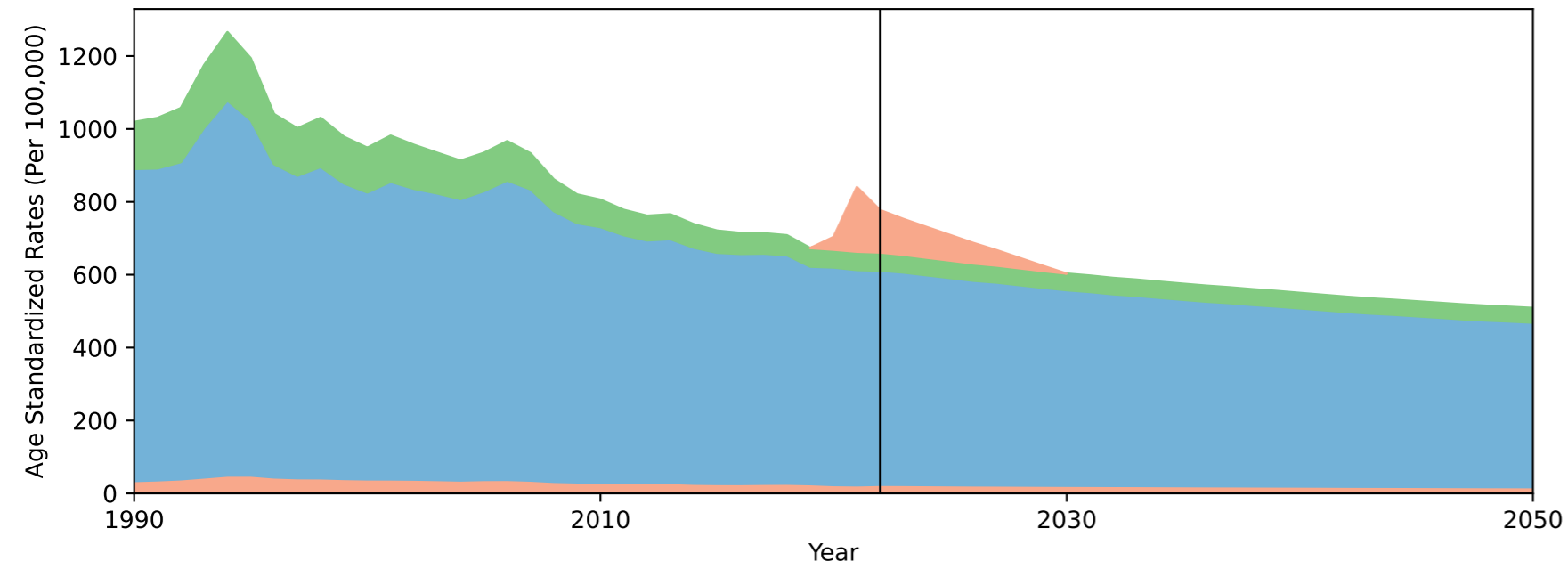


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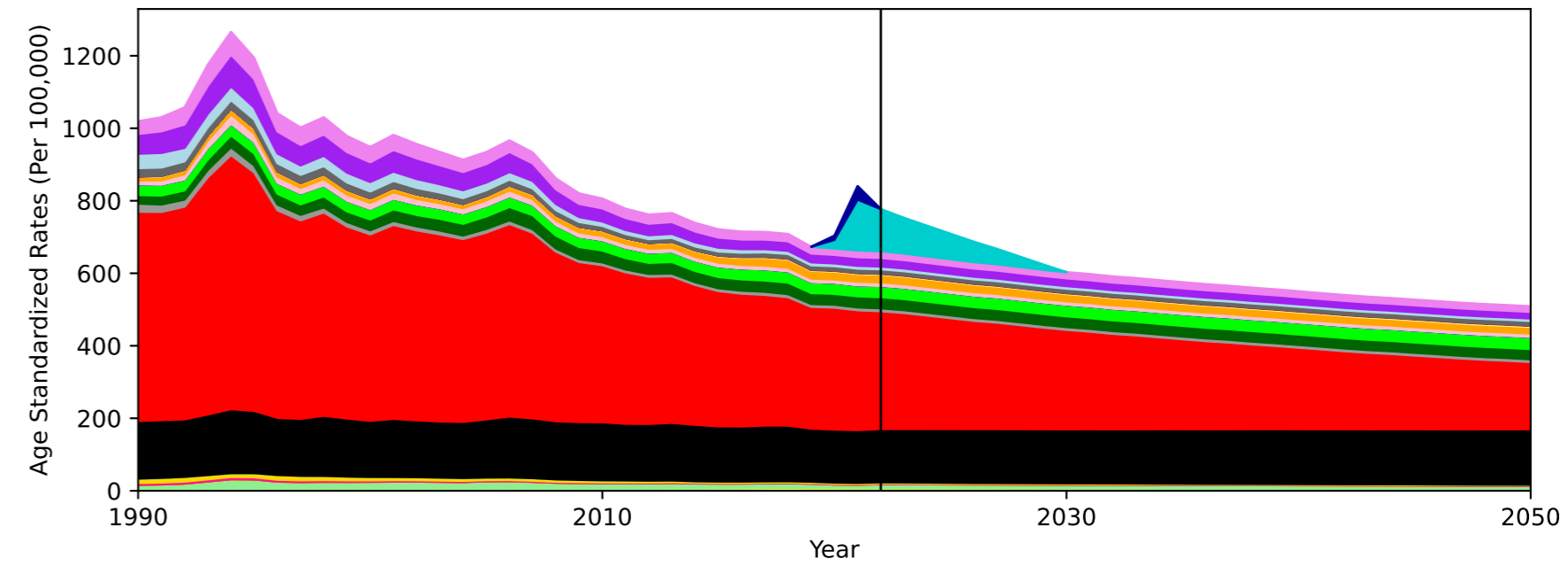


# Latvia

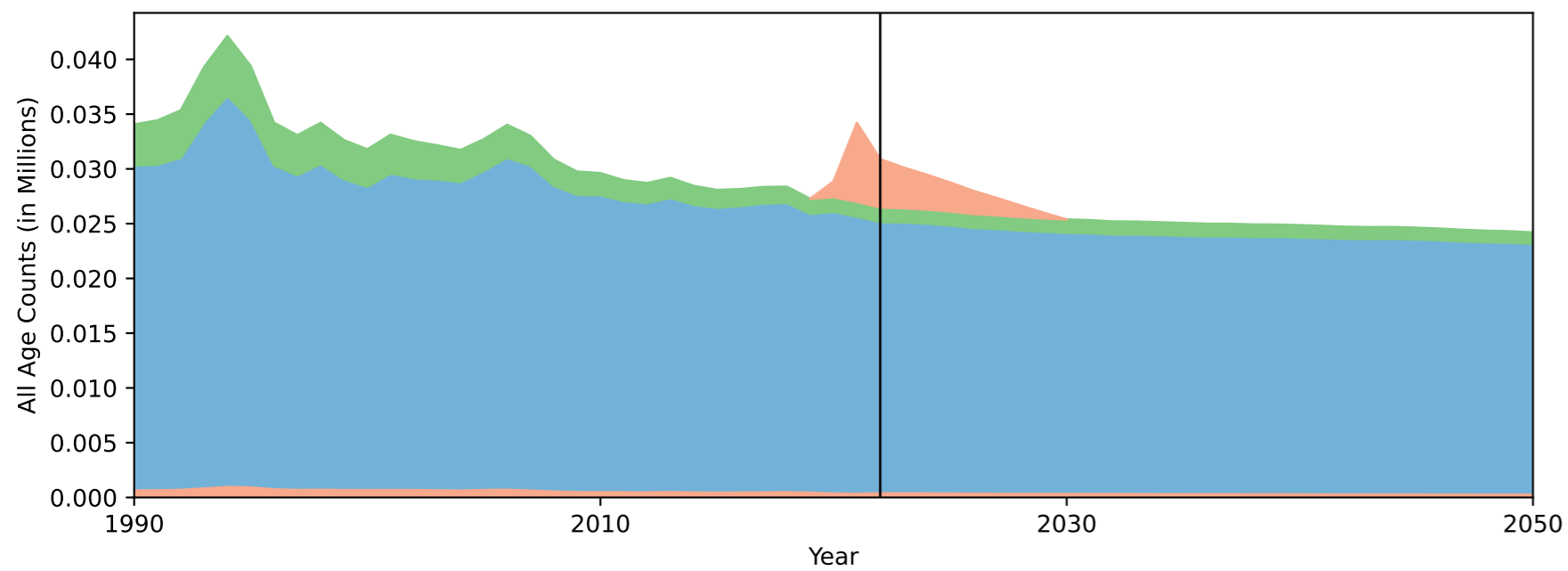
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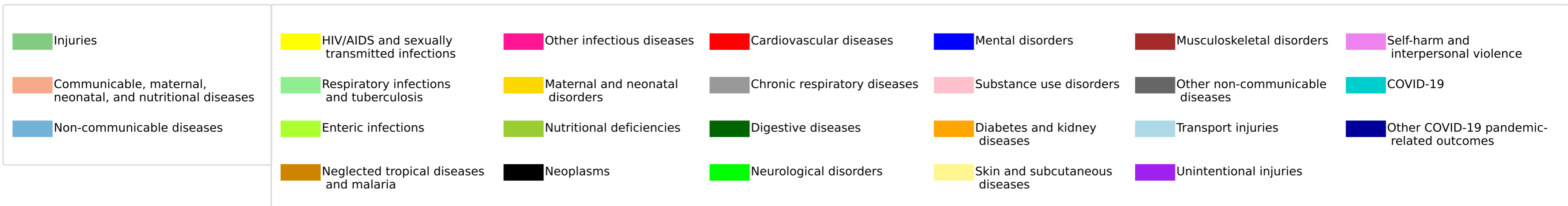
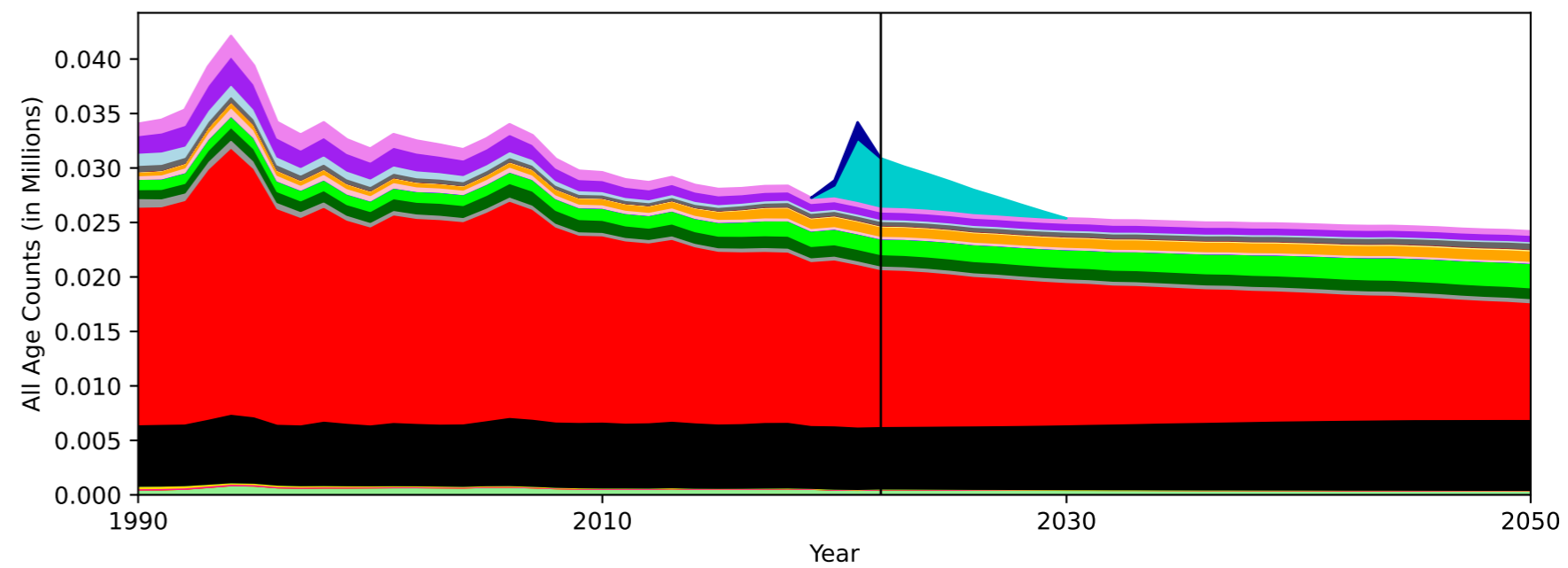
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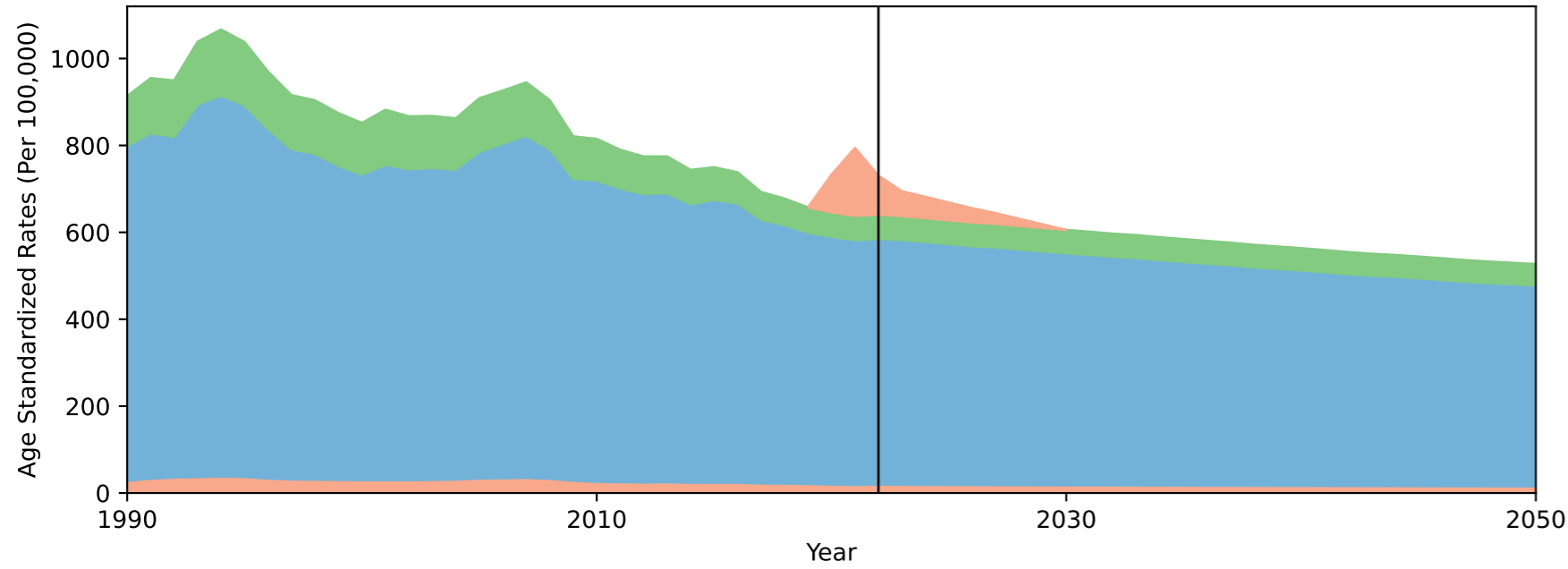


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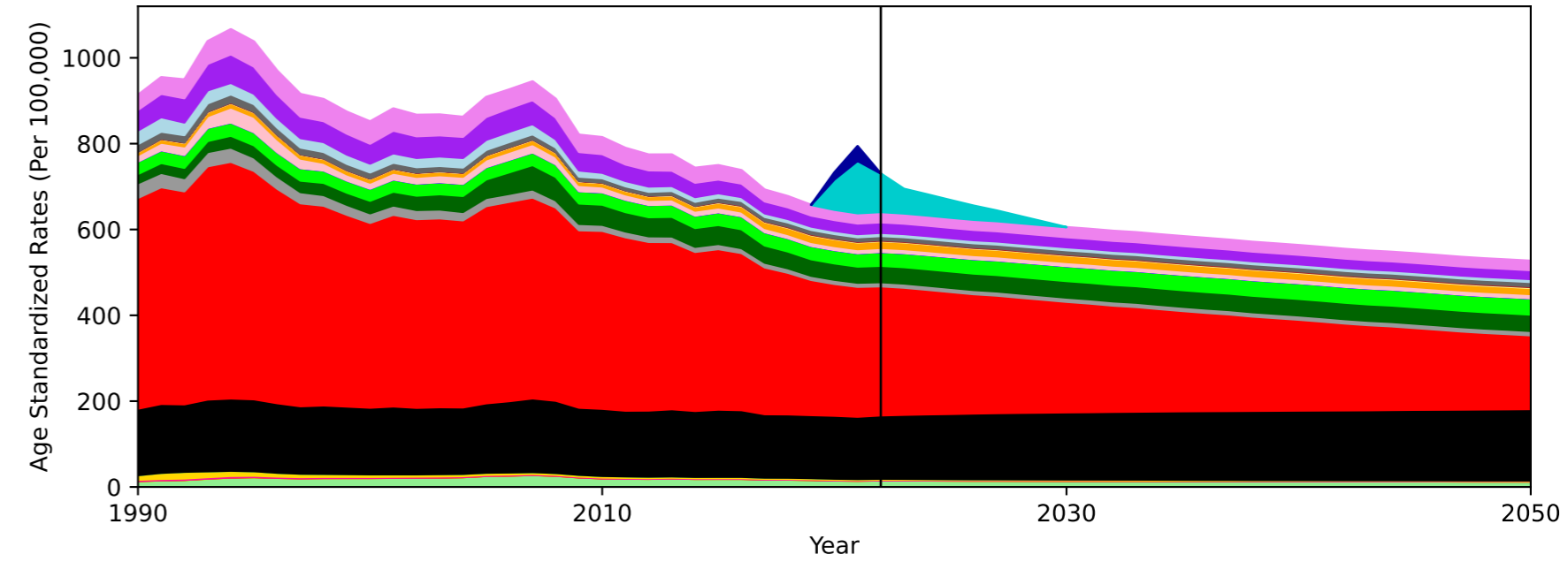


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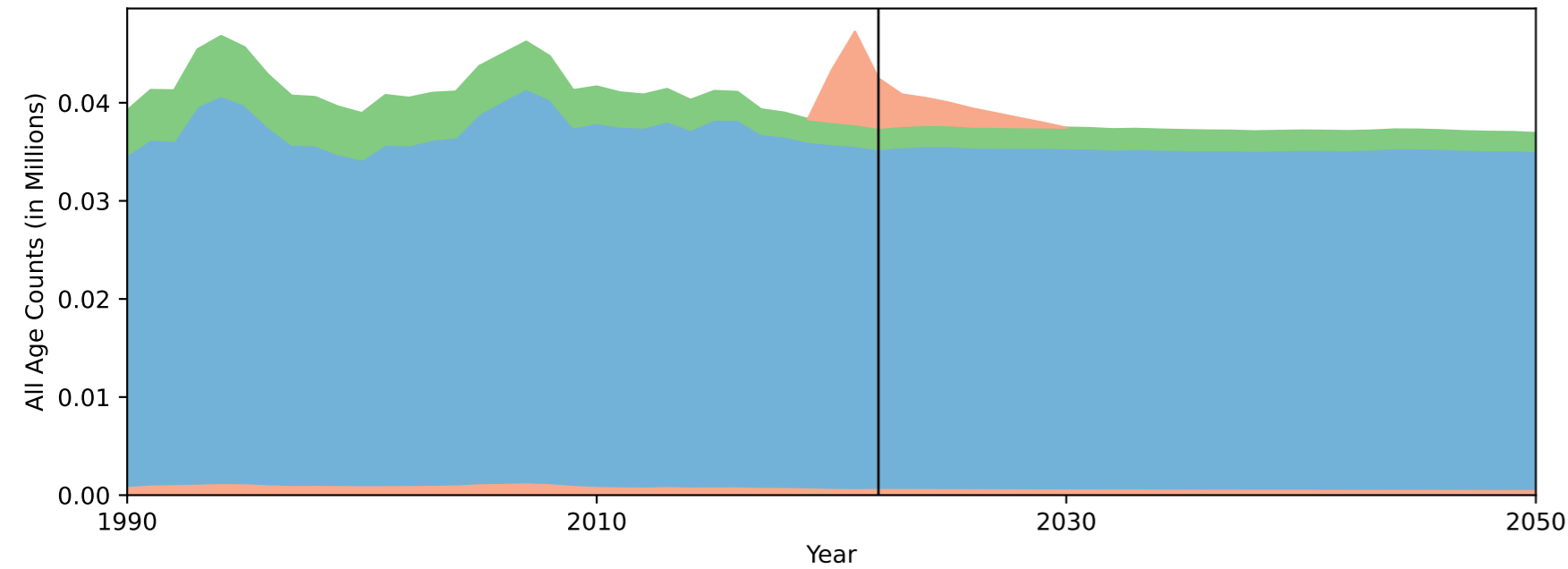
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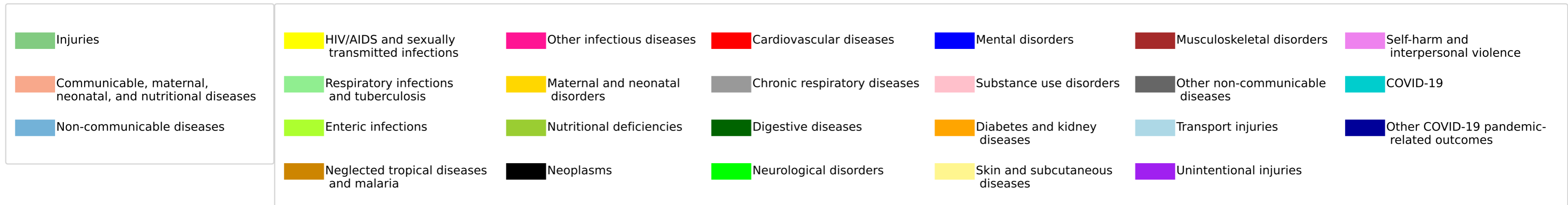
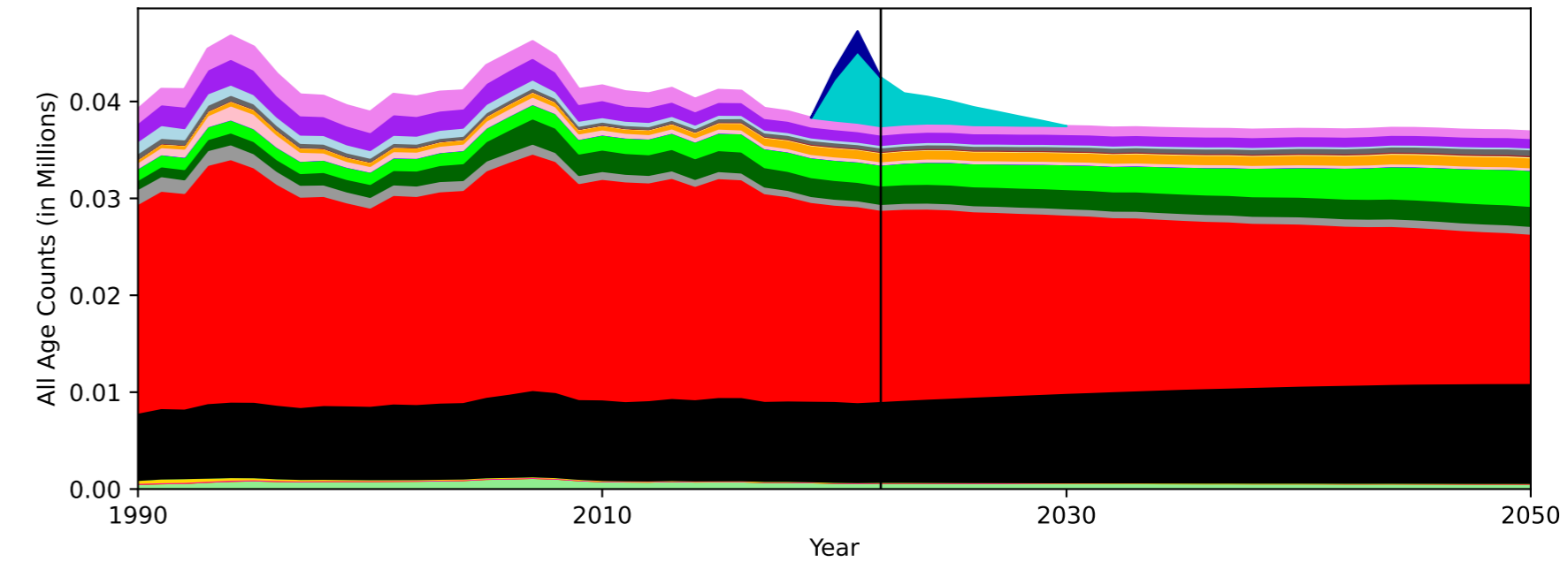
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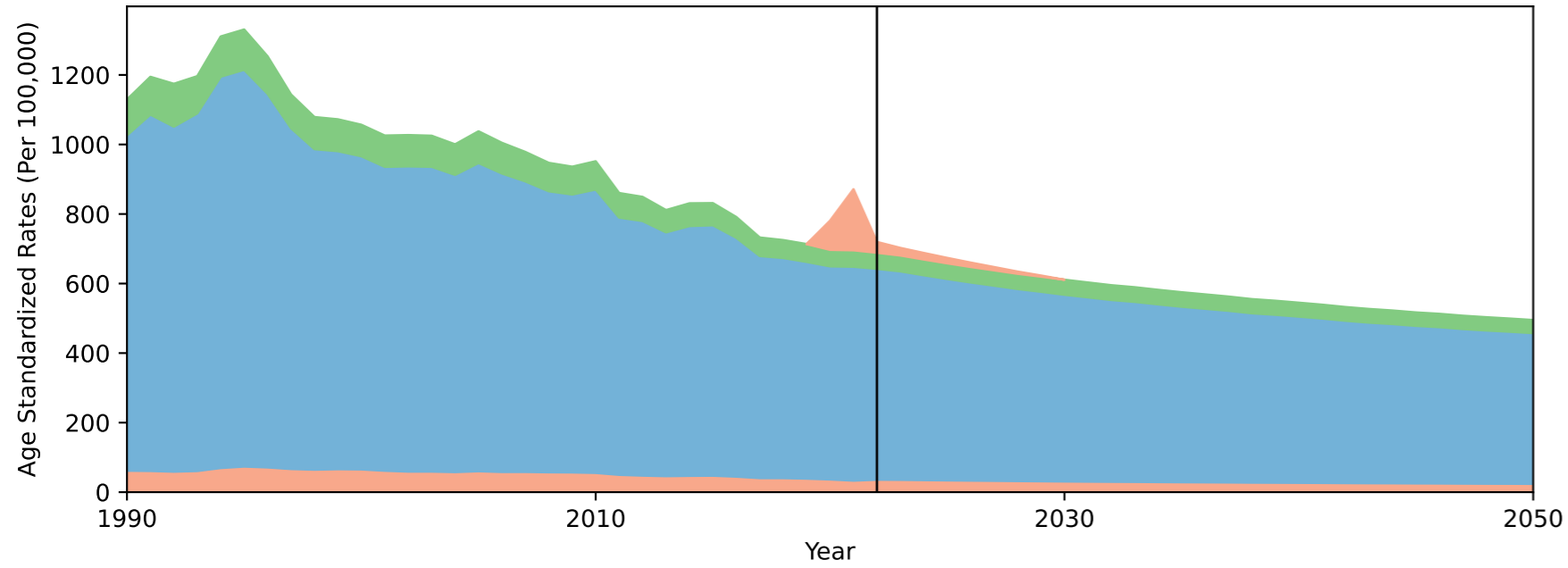
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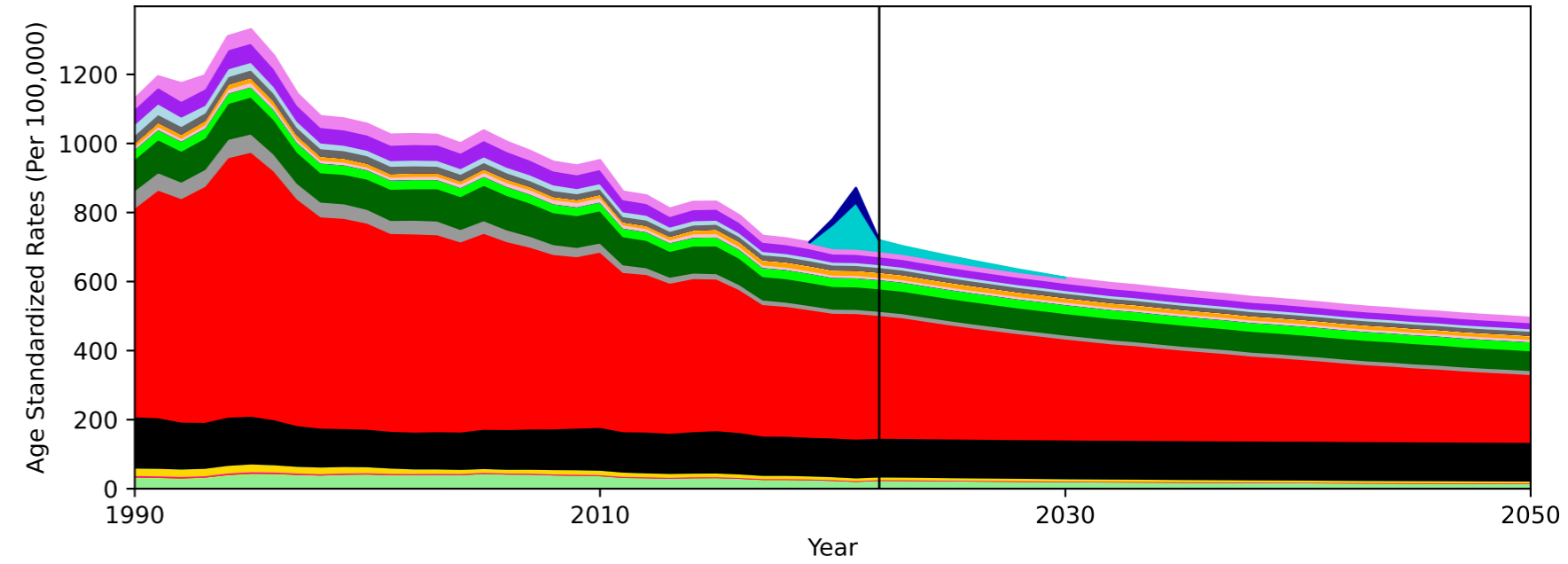


# Moldova

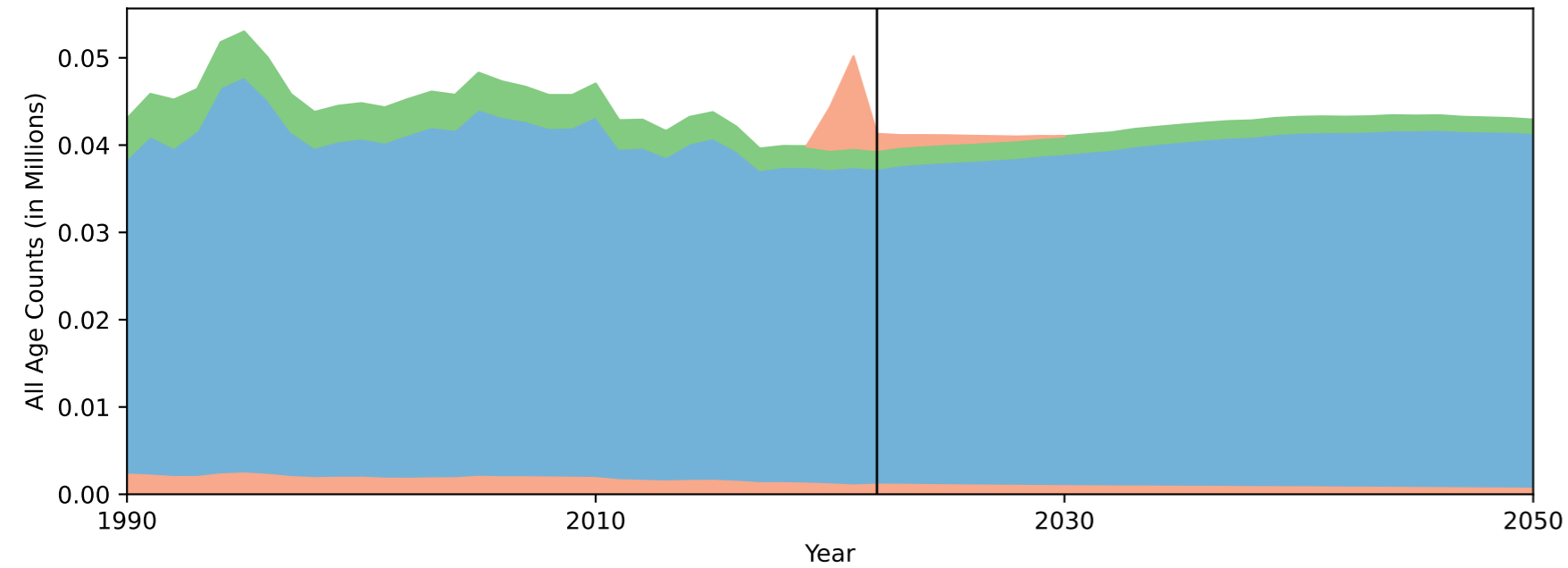
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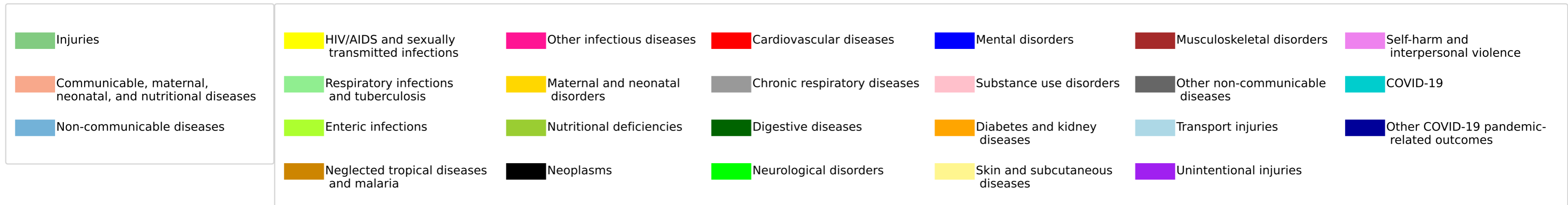
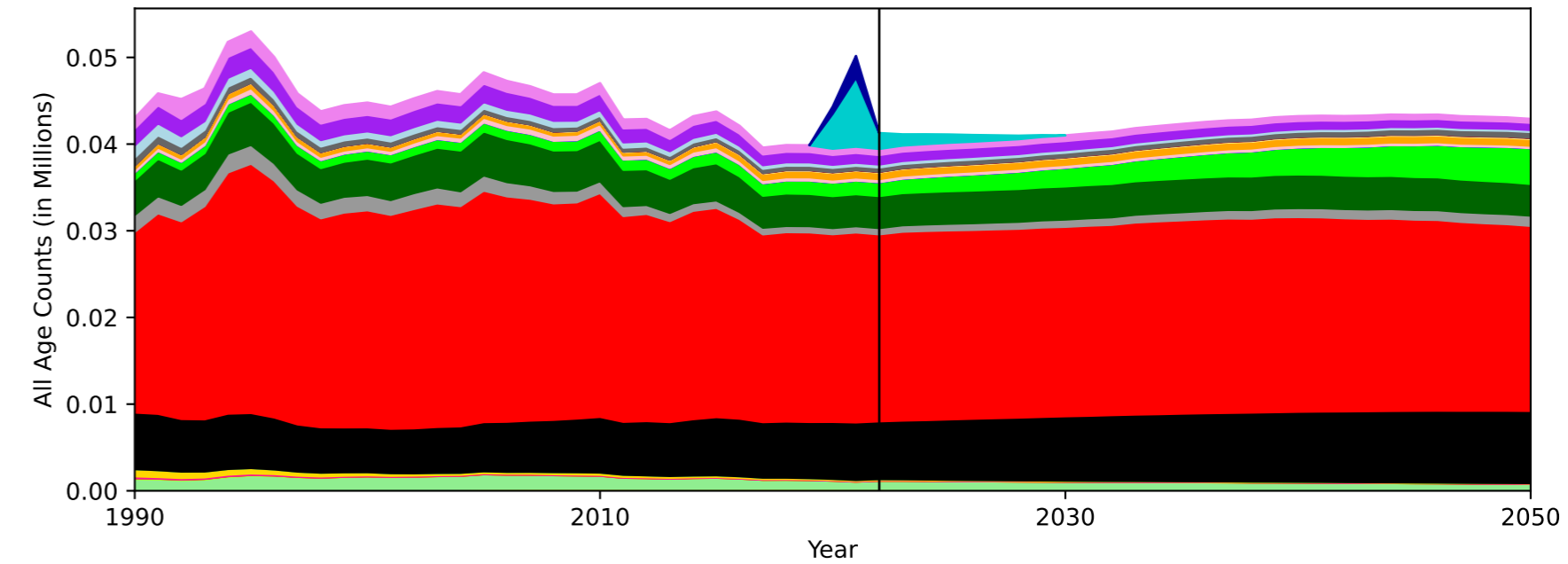
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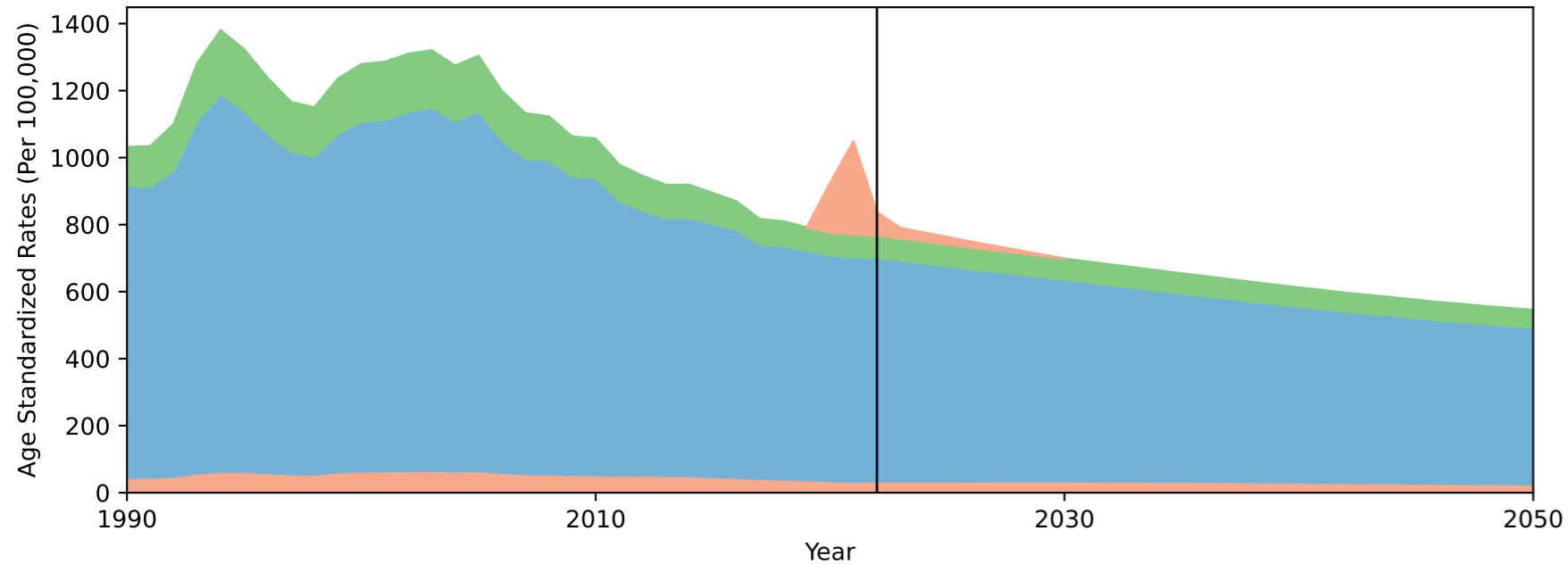
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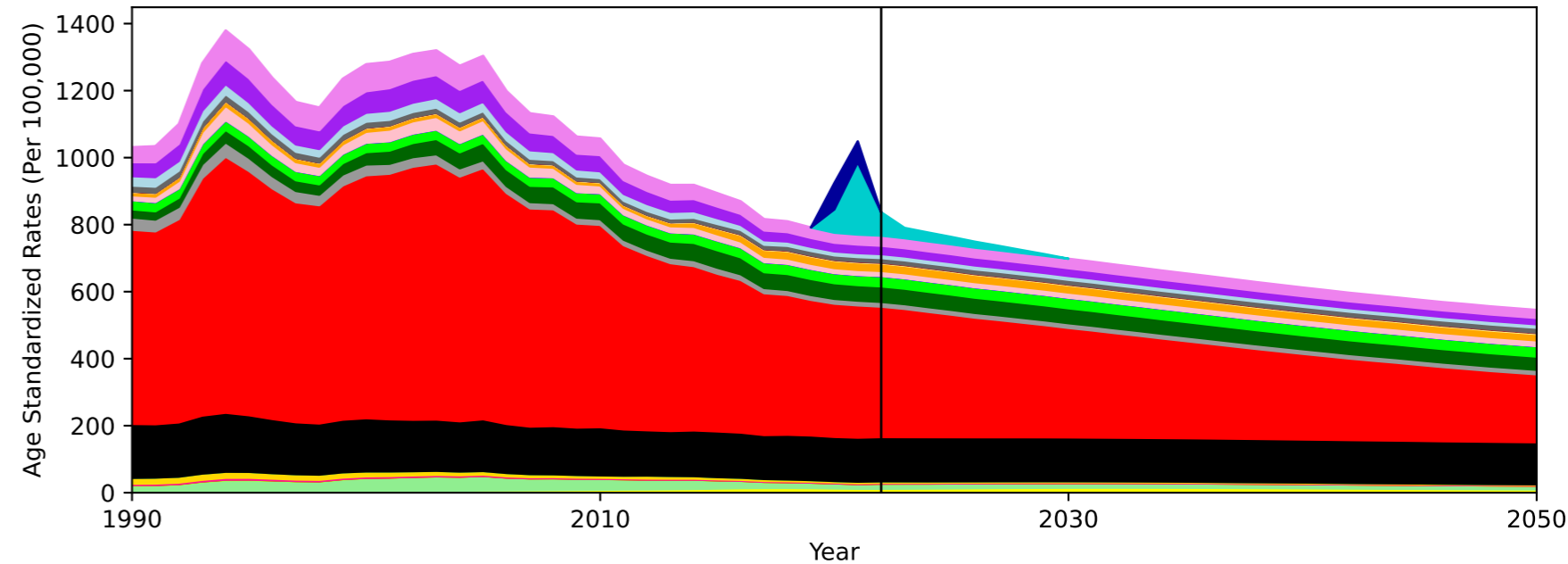
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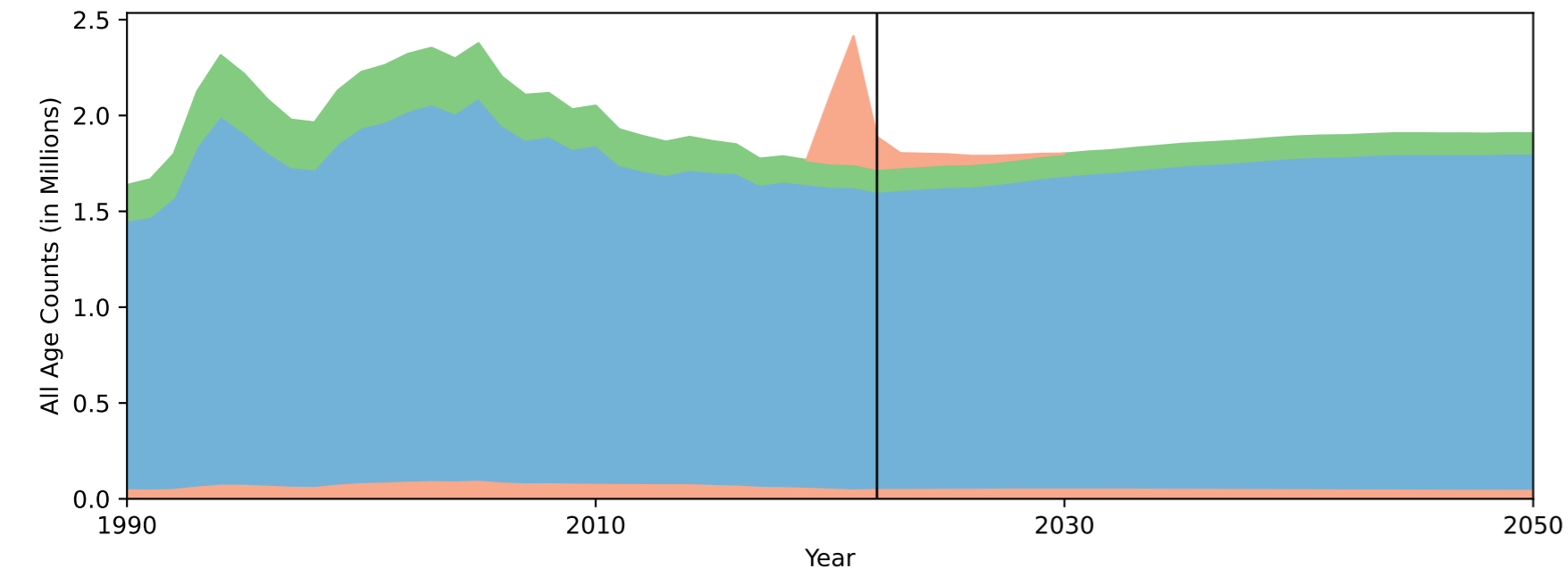
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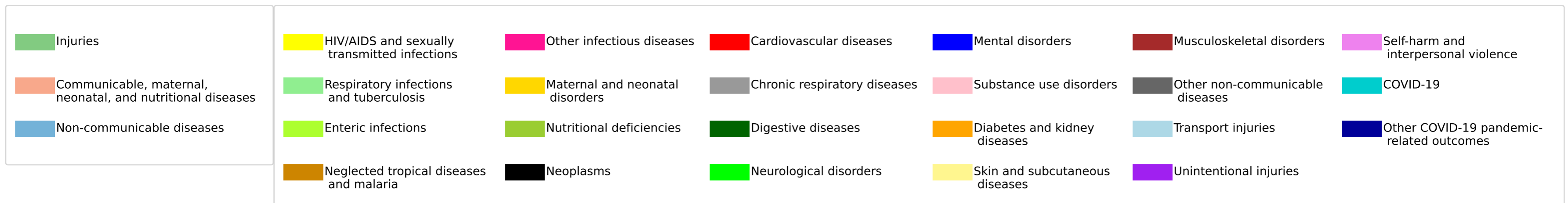
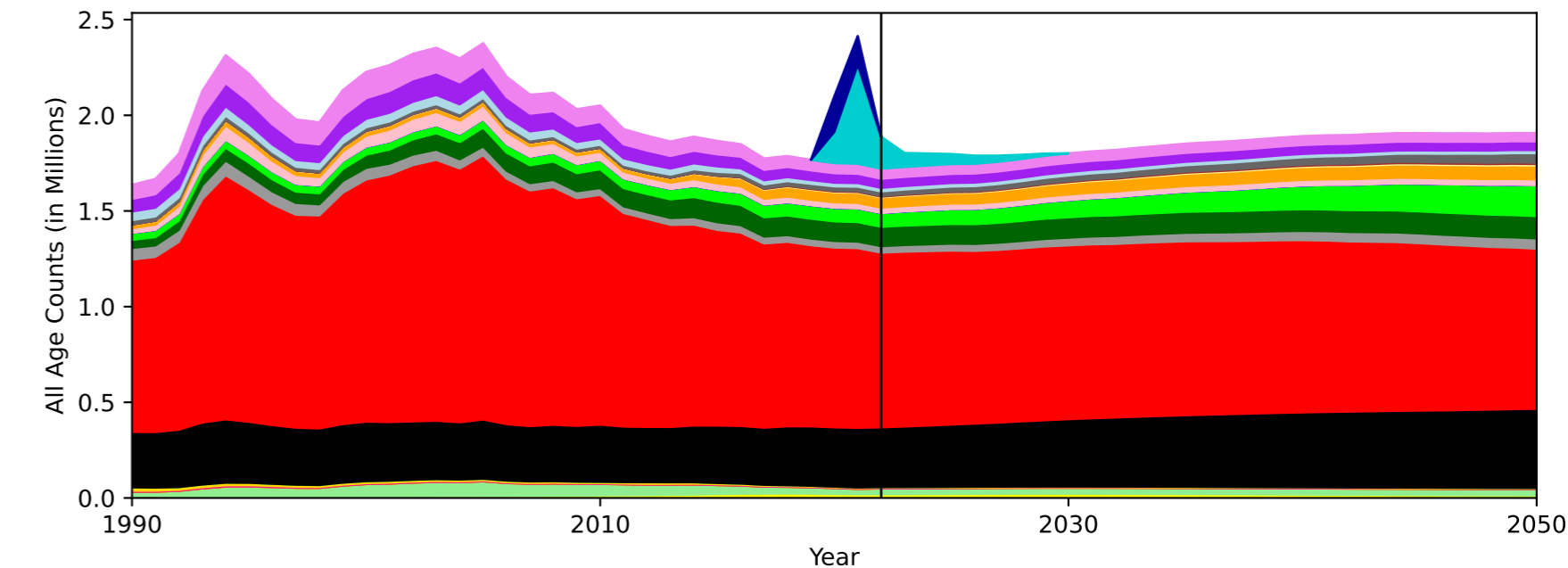
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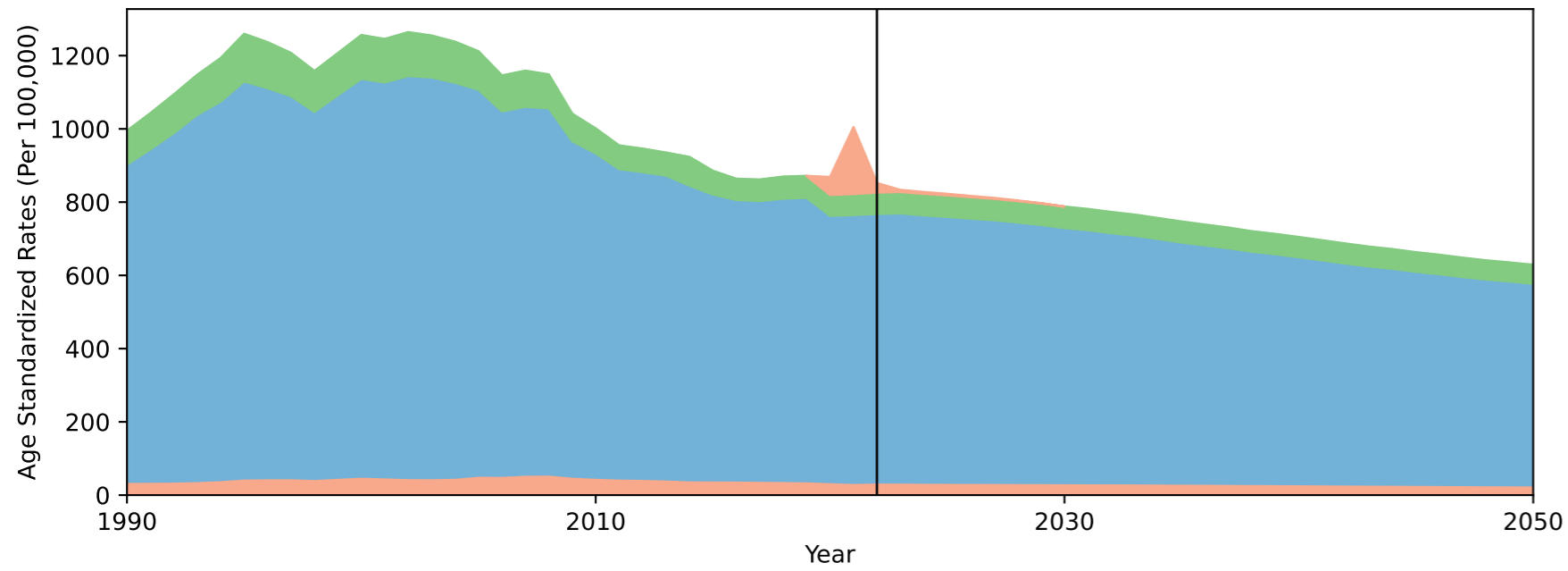


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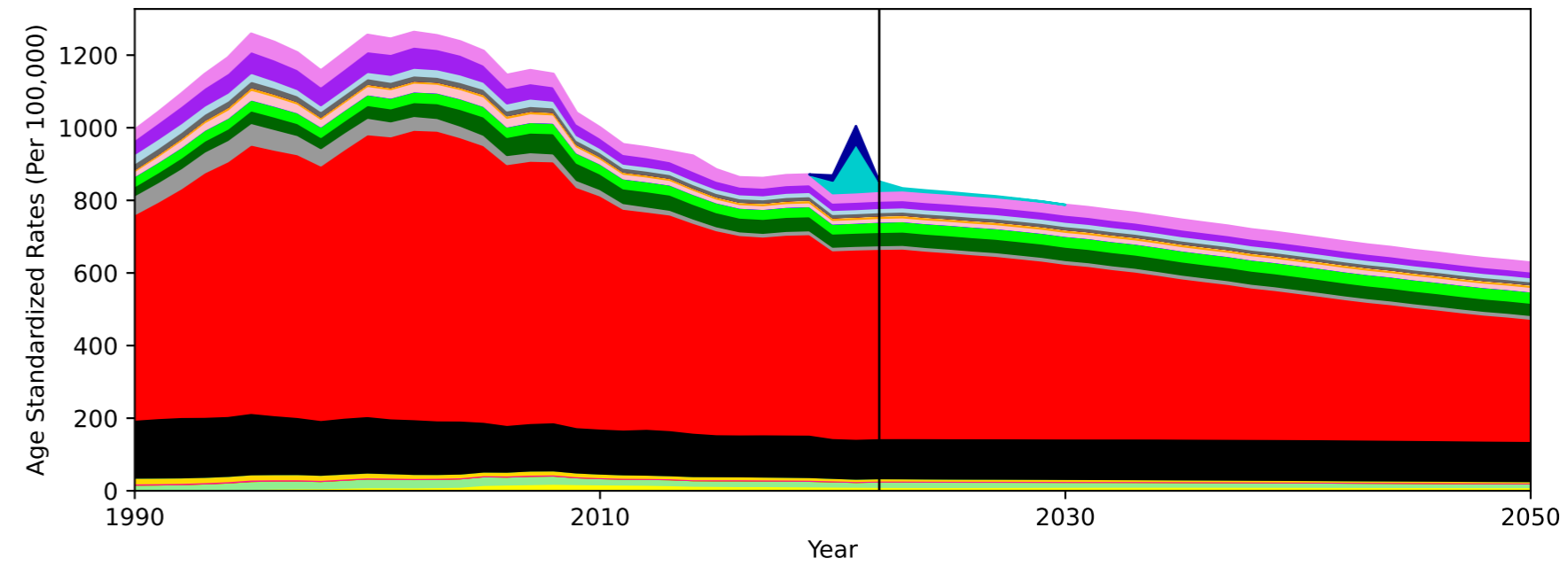


# Ukraine

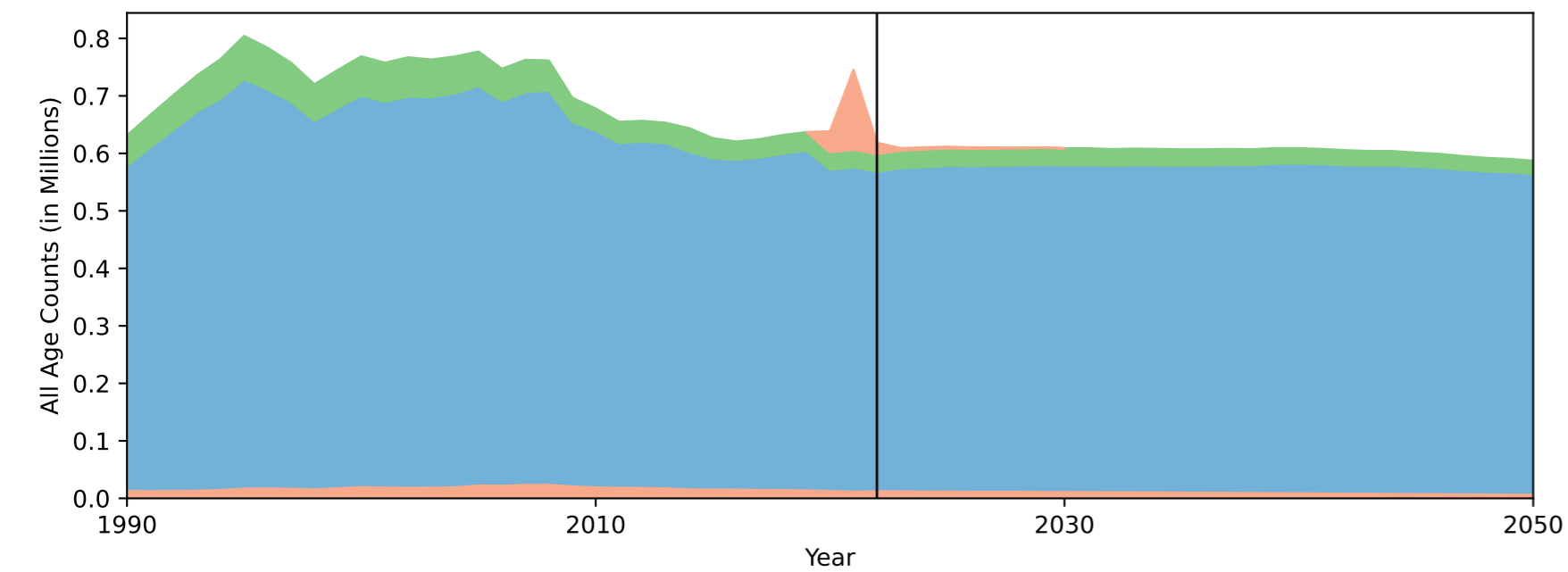
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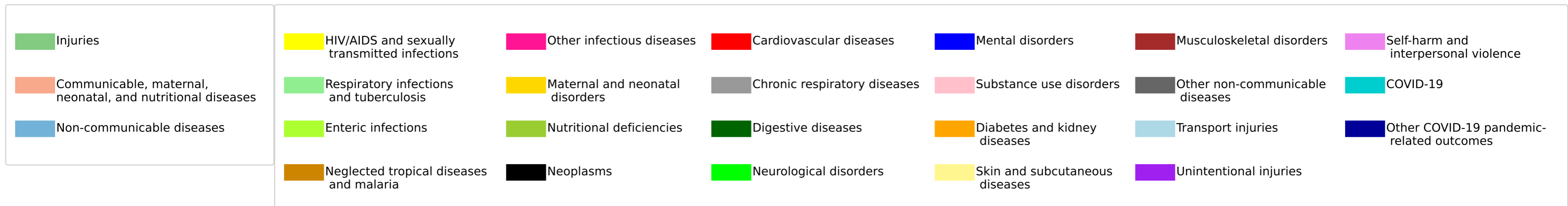
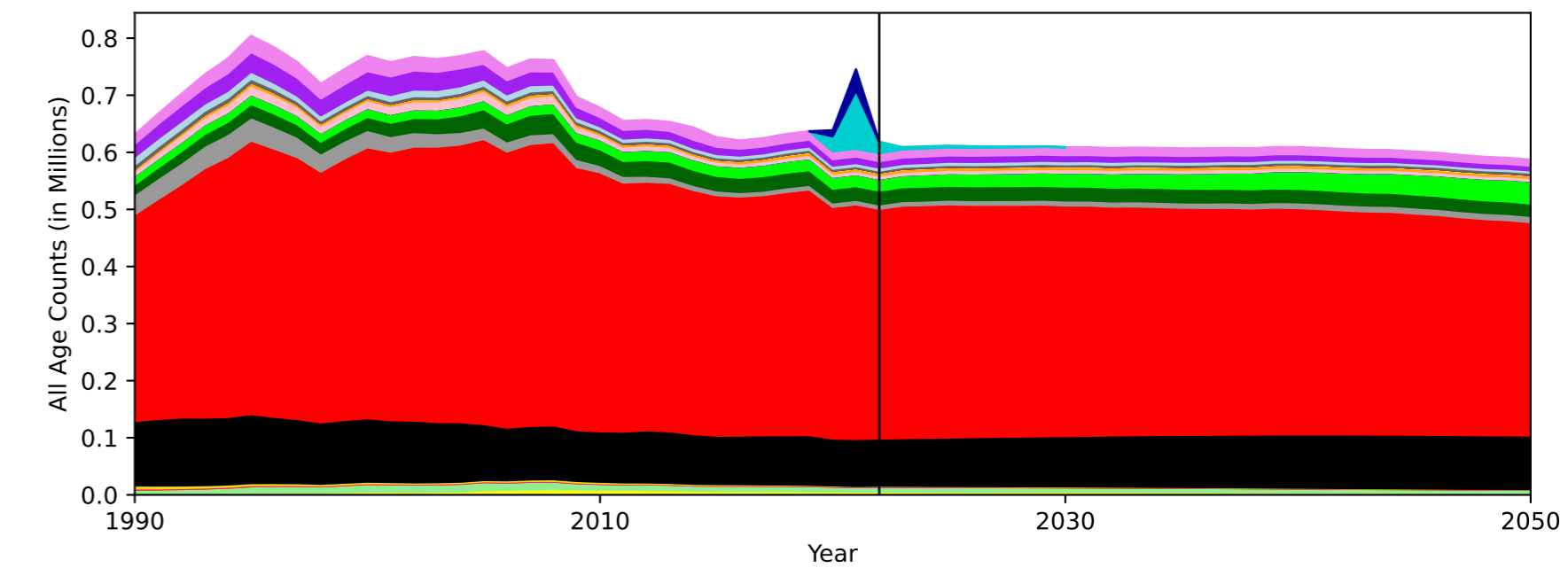
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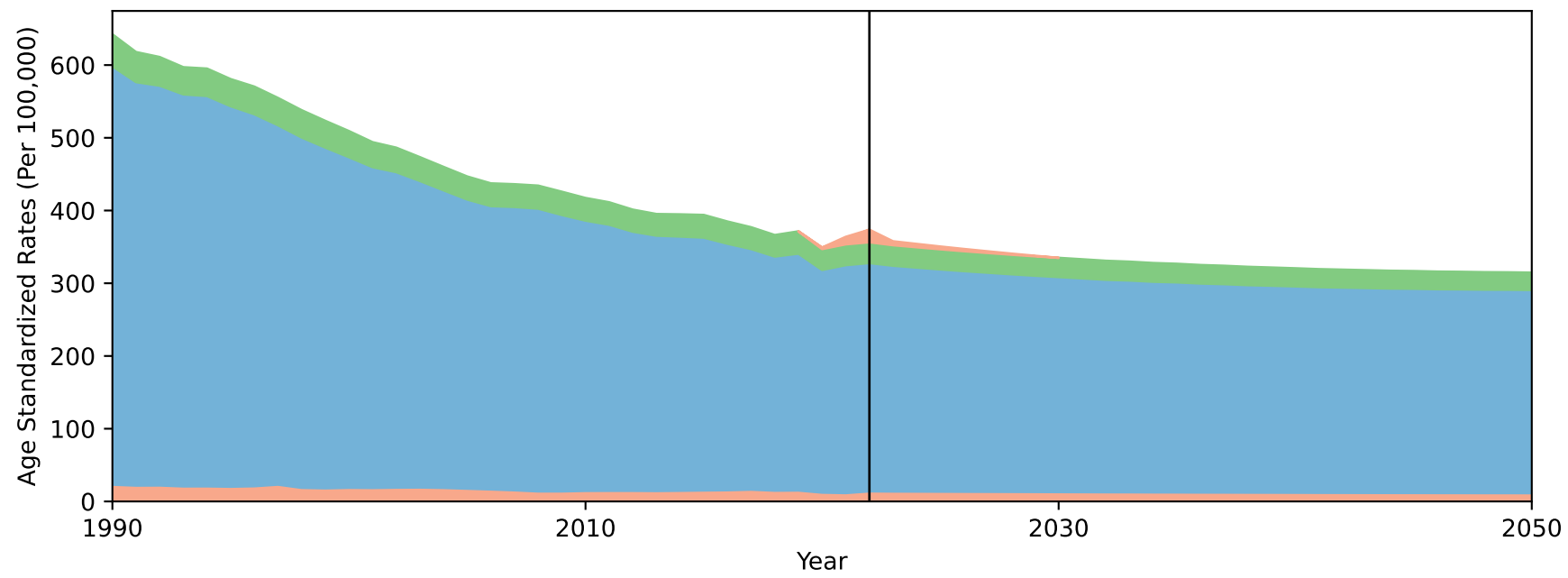


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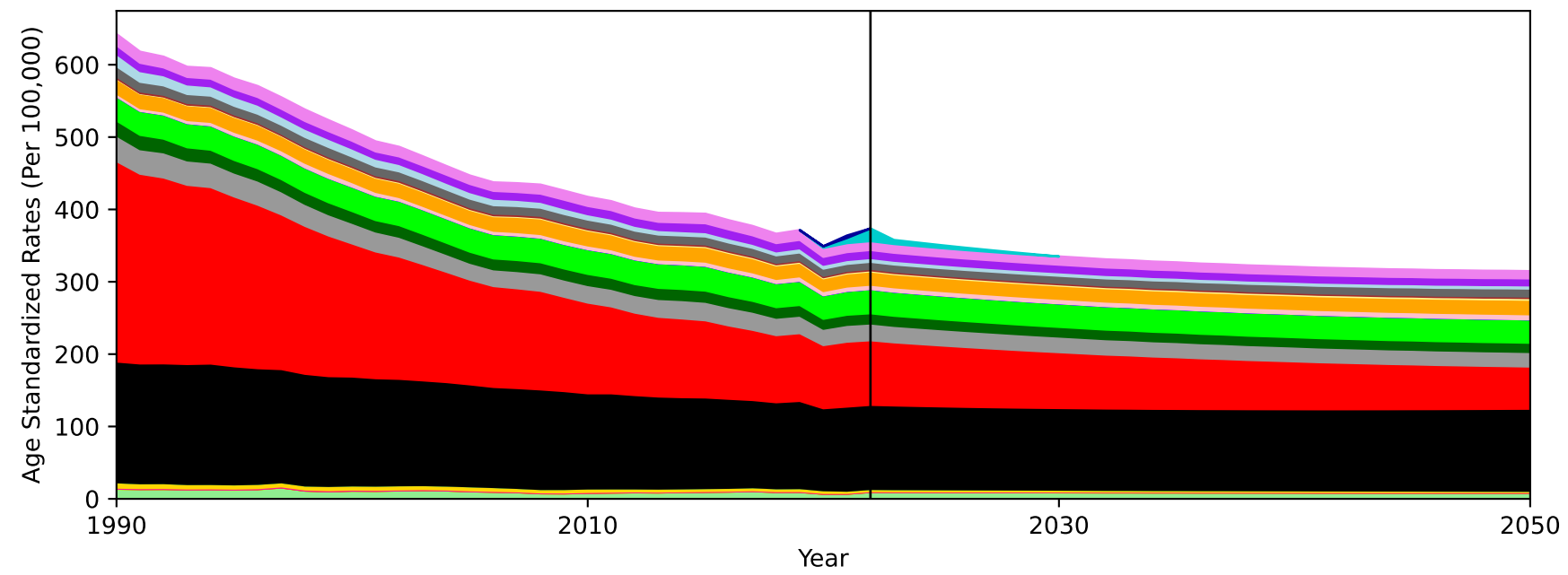


# Australia

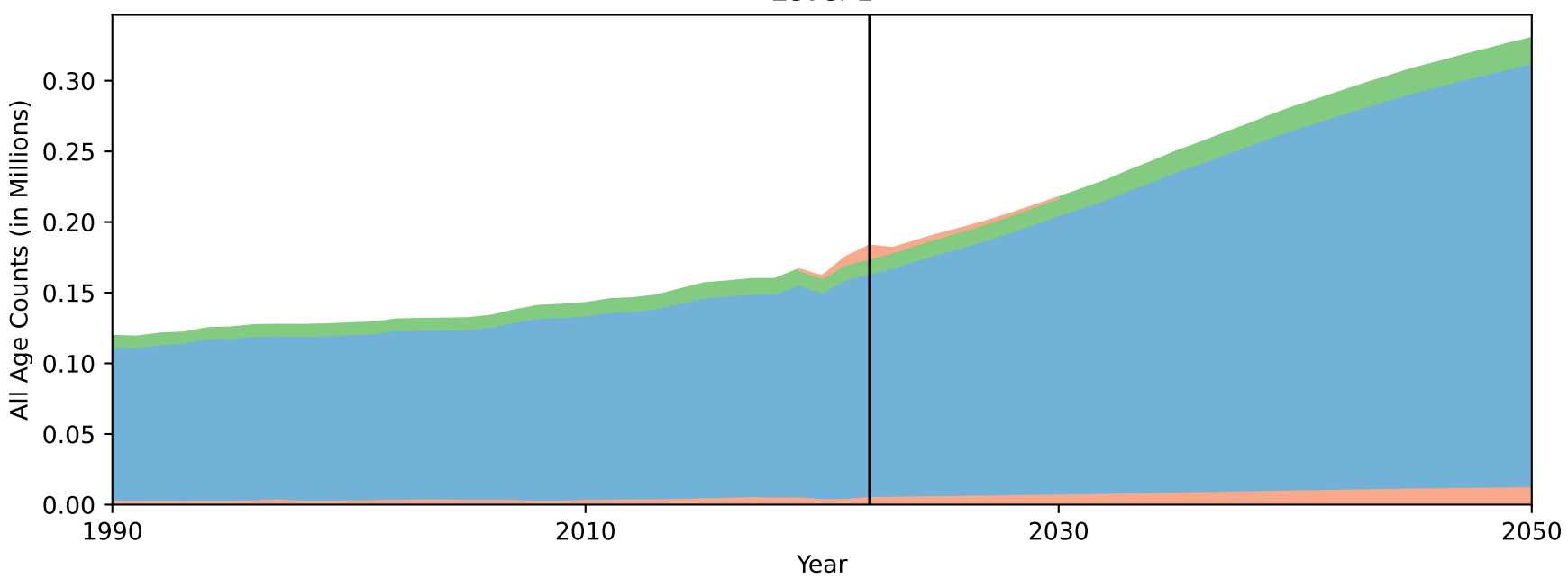
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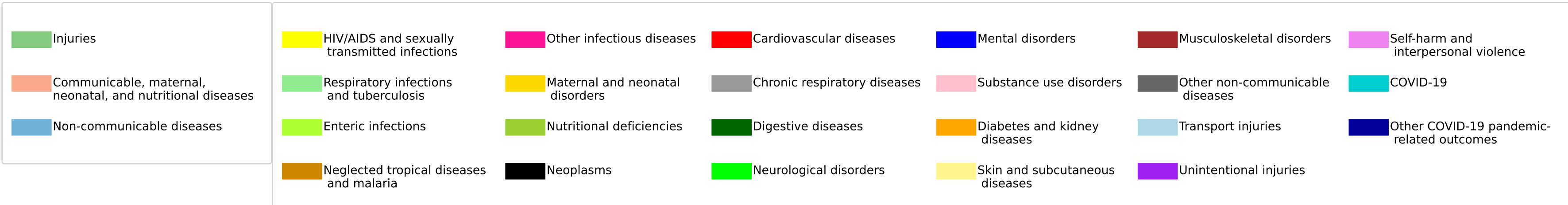
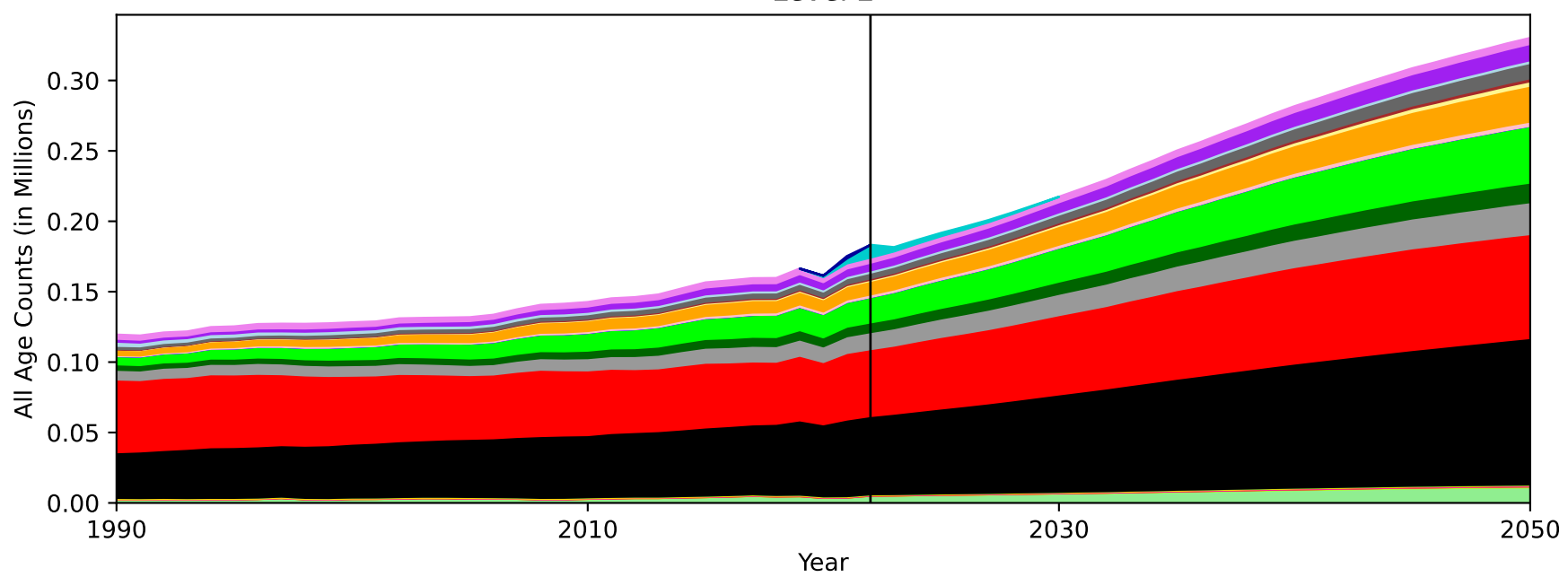
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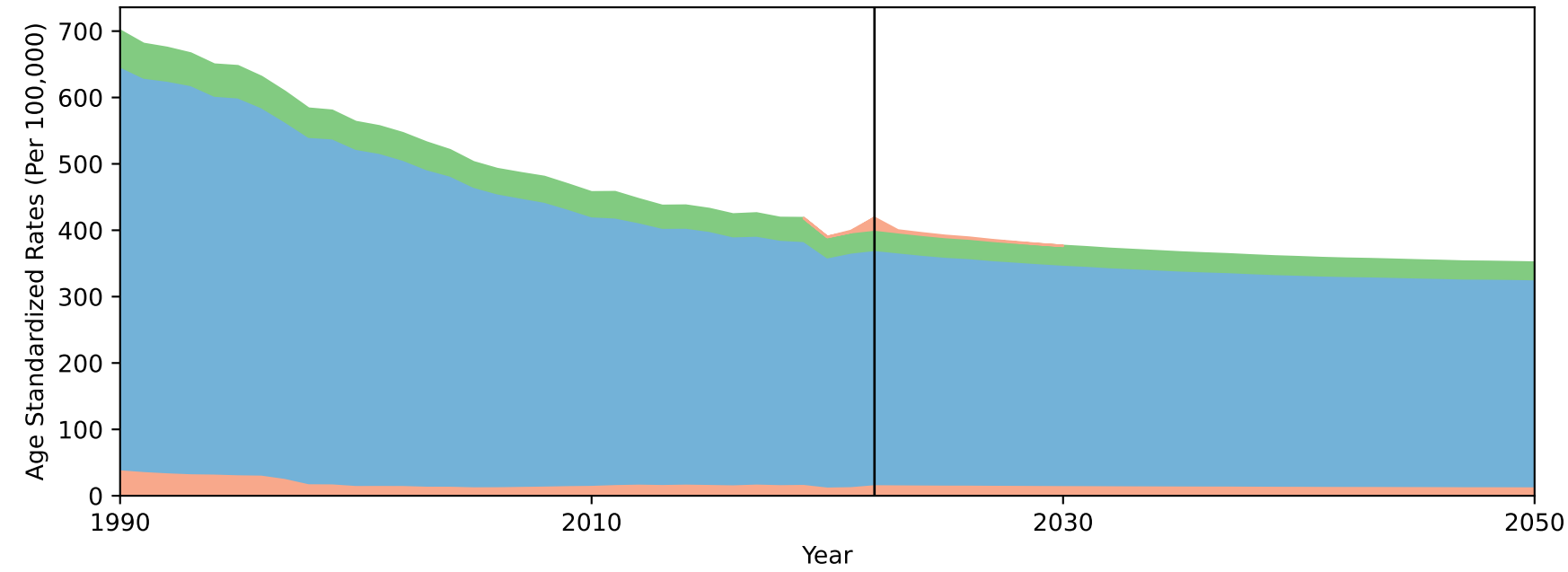


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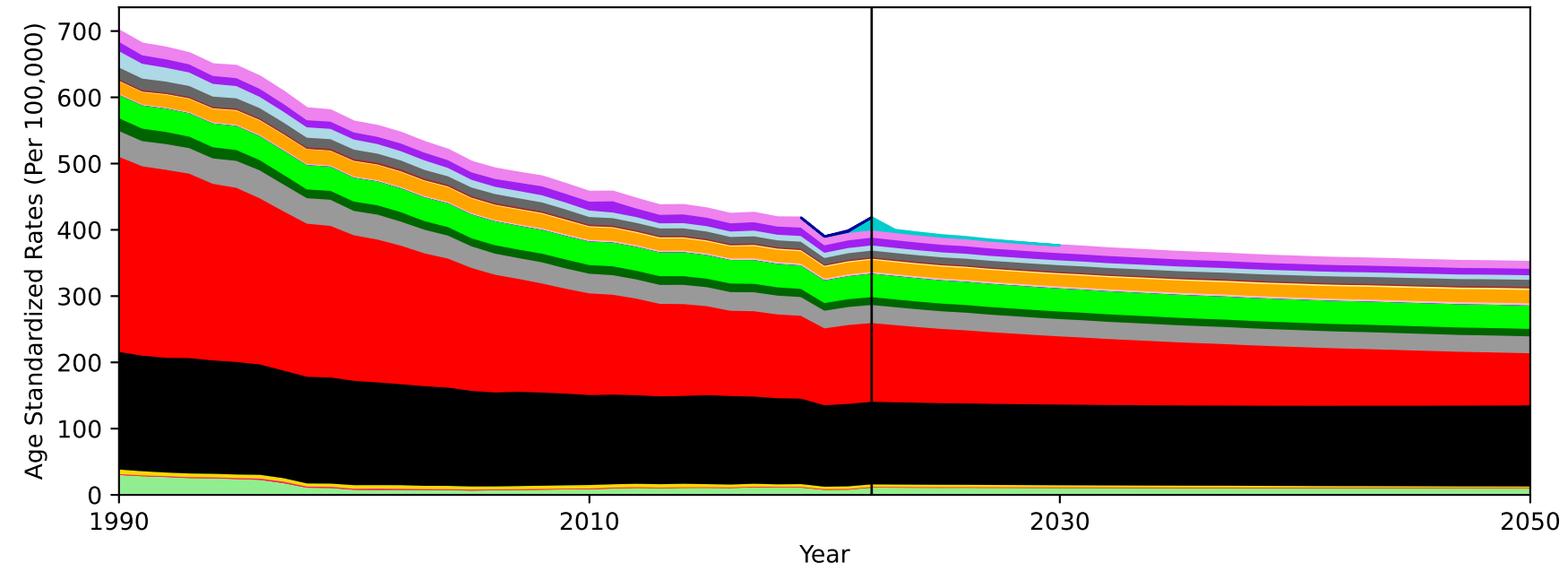


# New Zealand

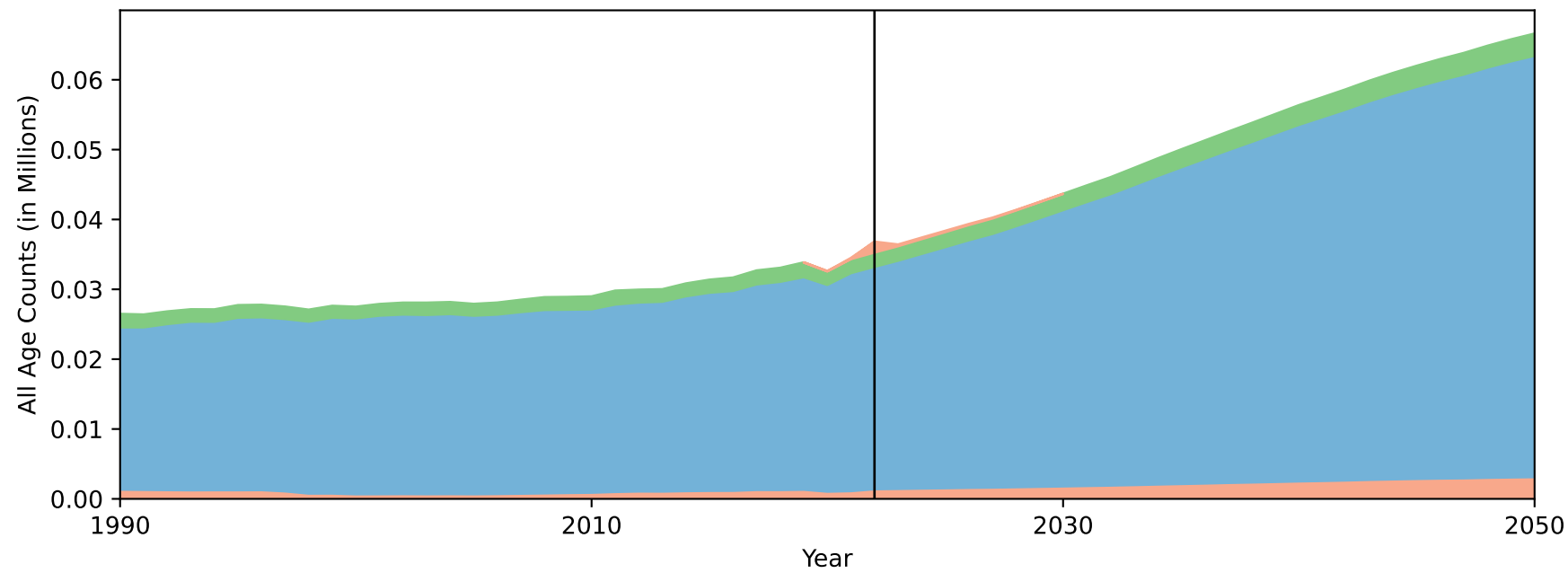
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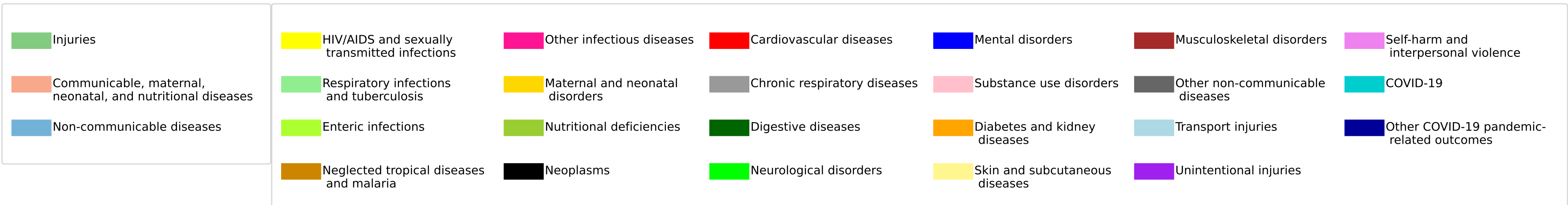
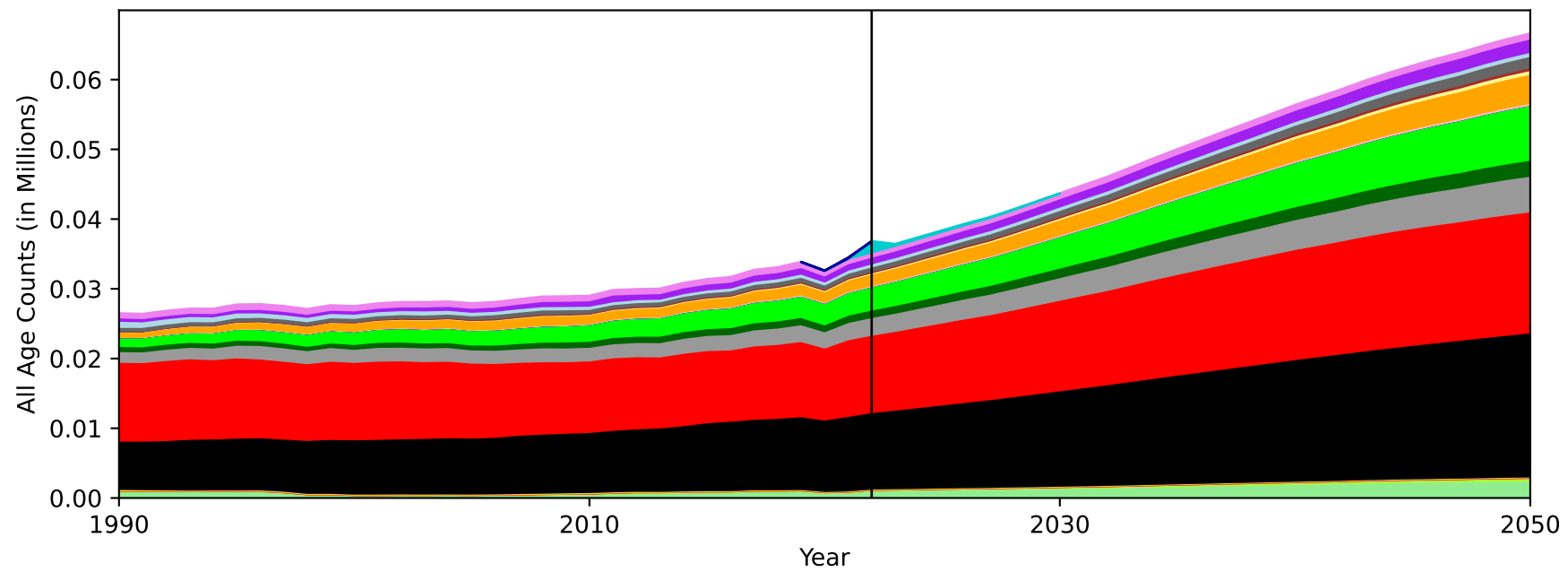
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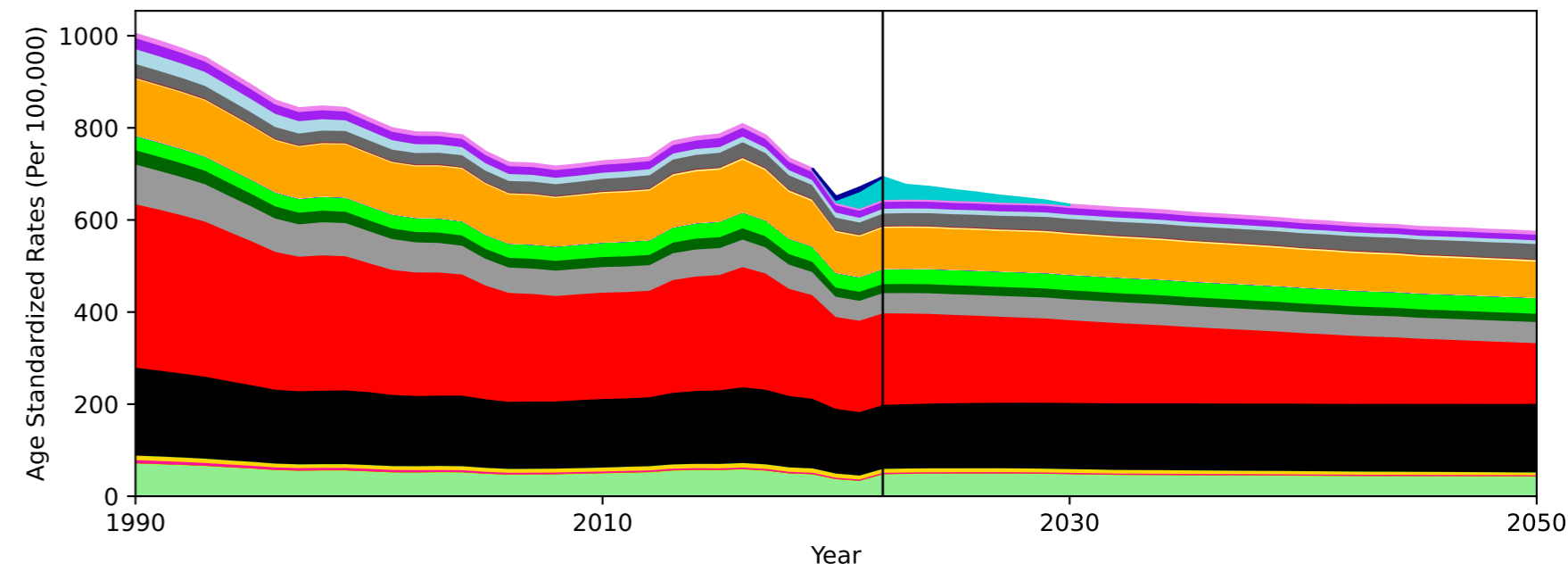
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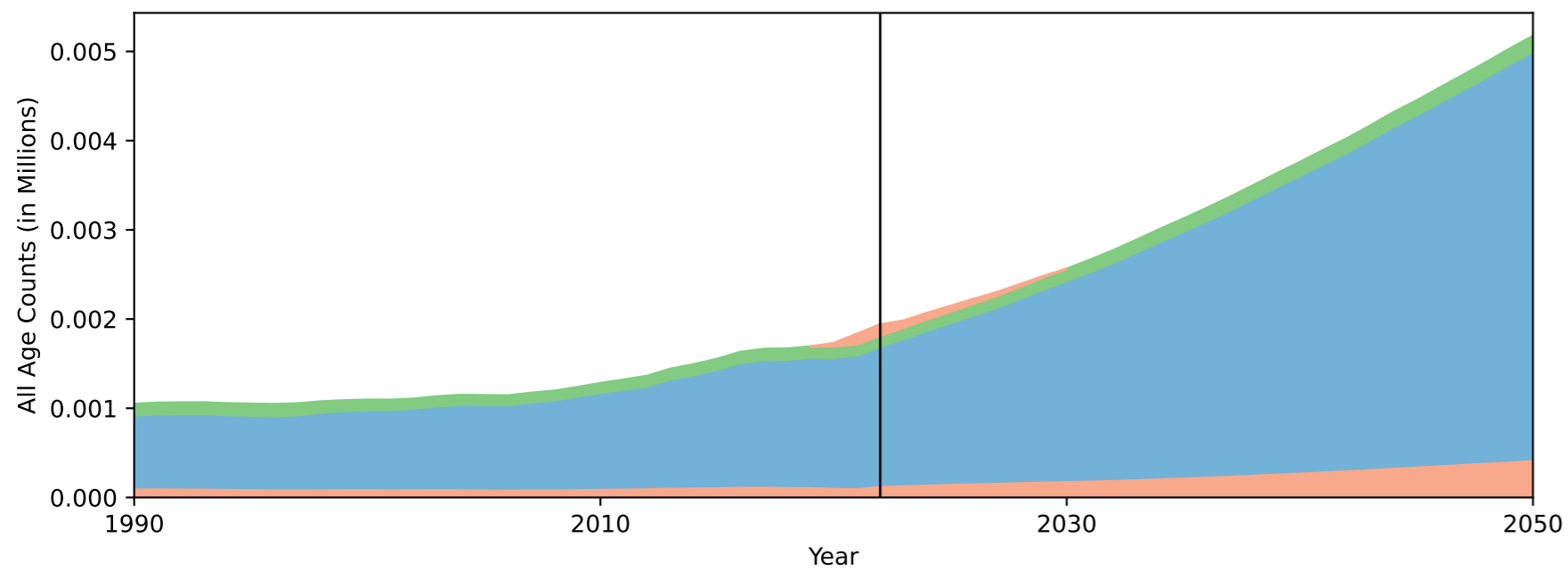
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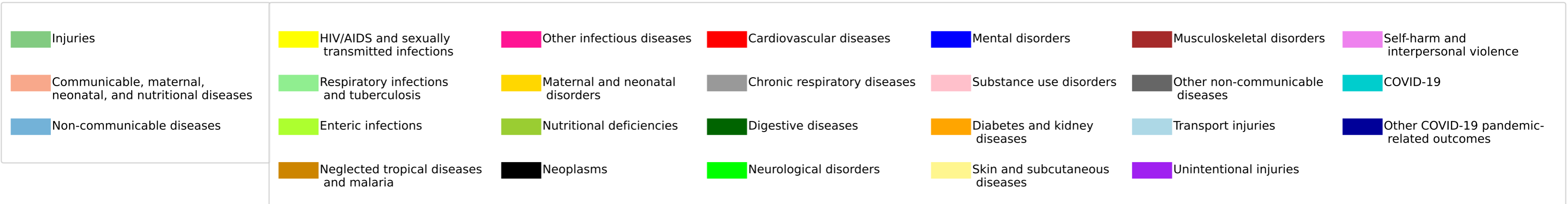
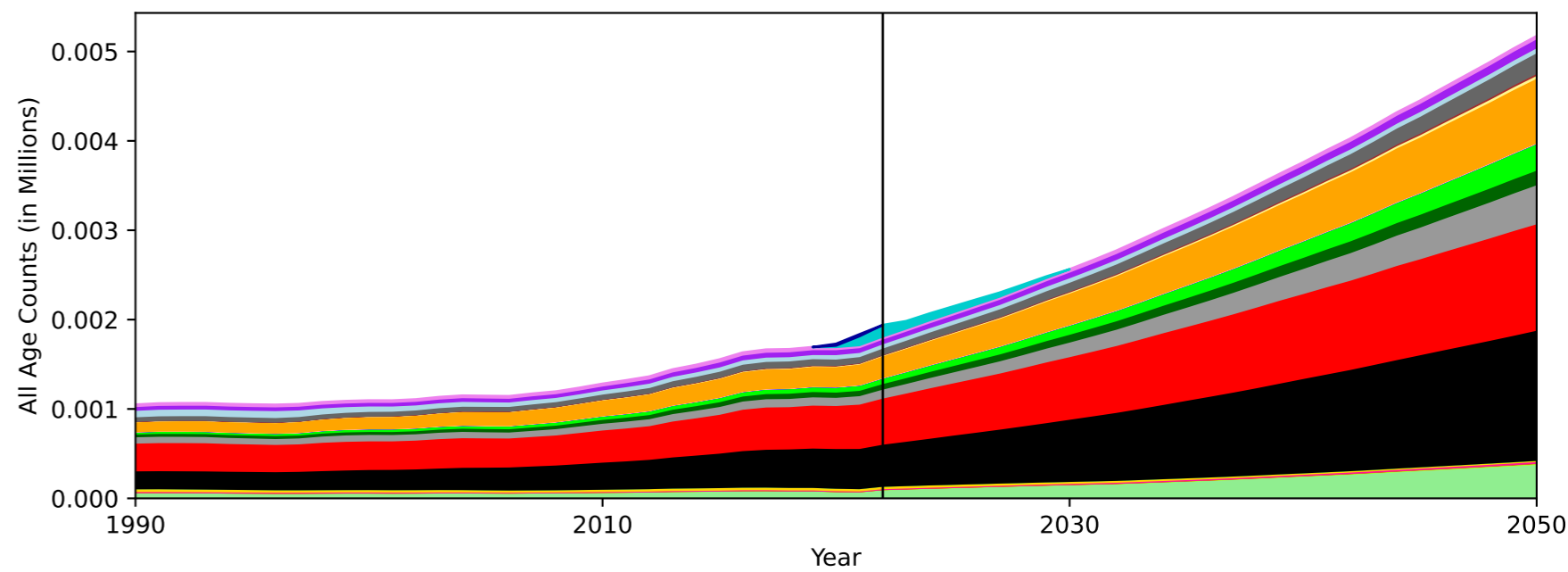
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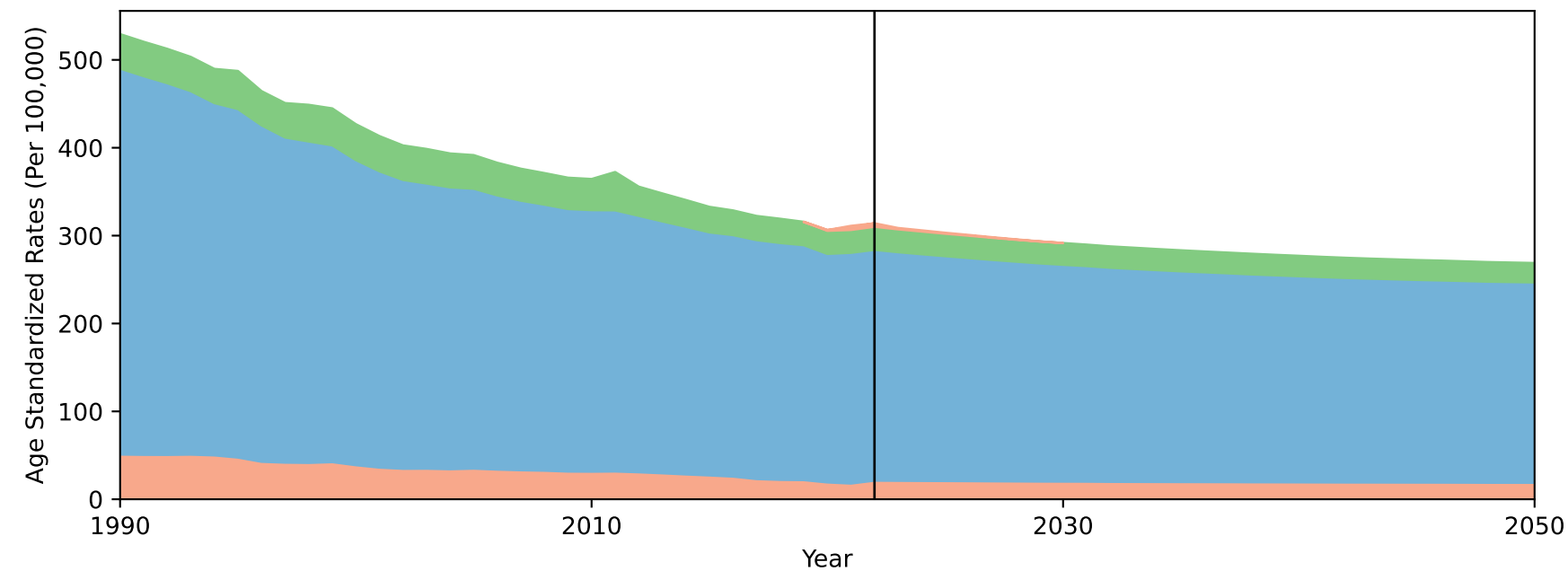
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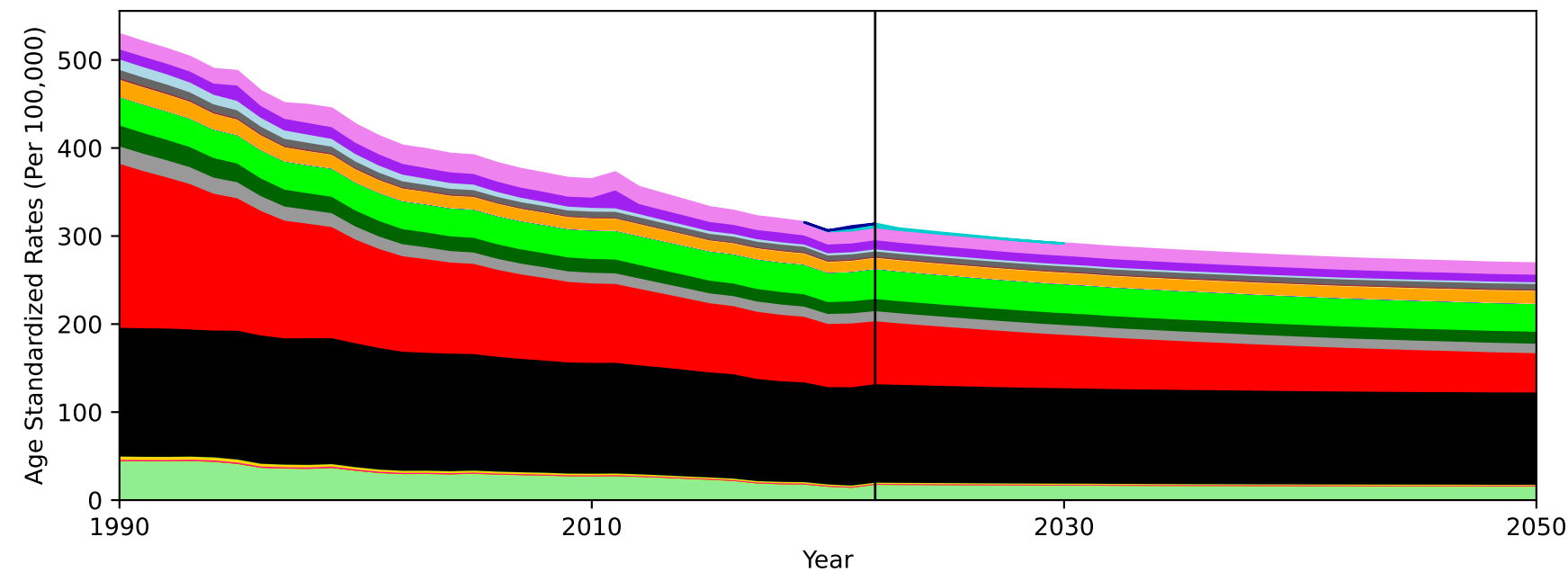
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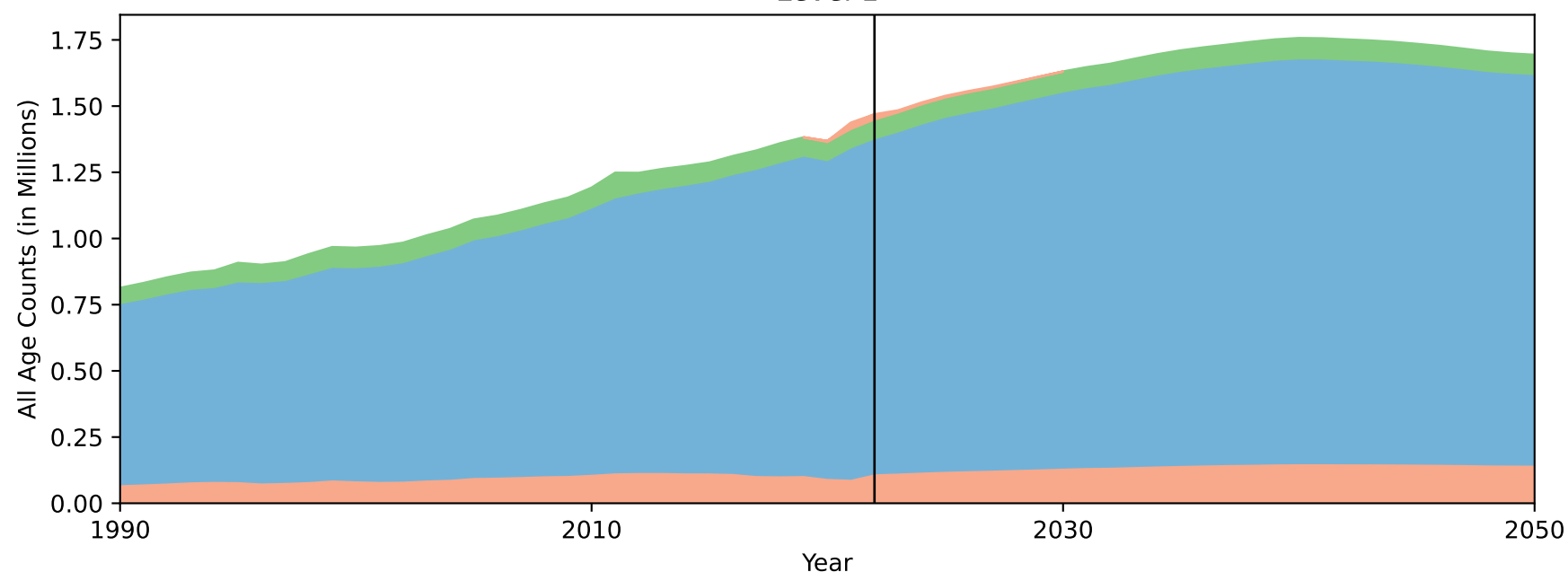
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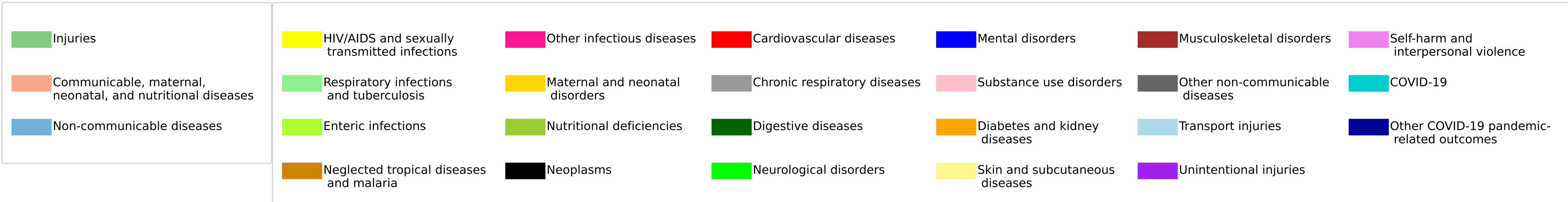
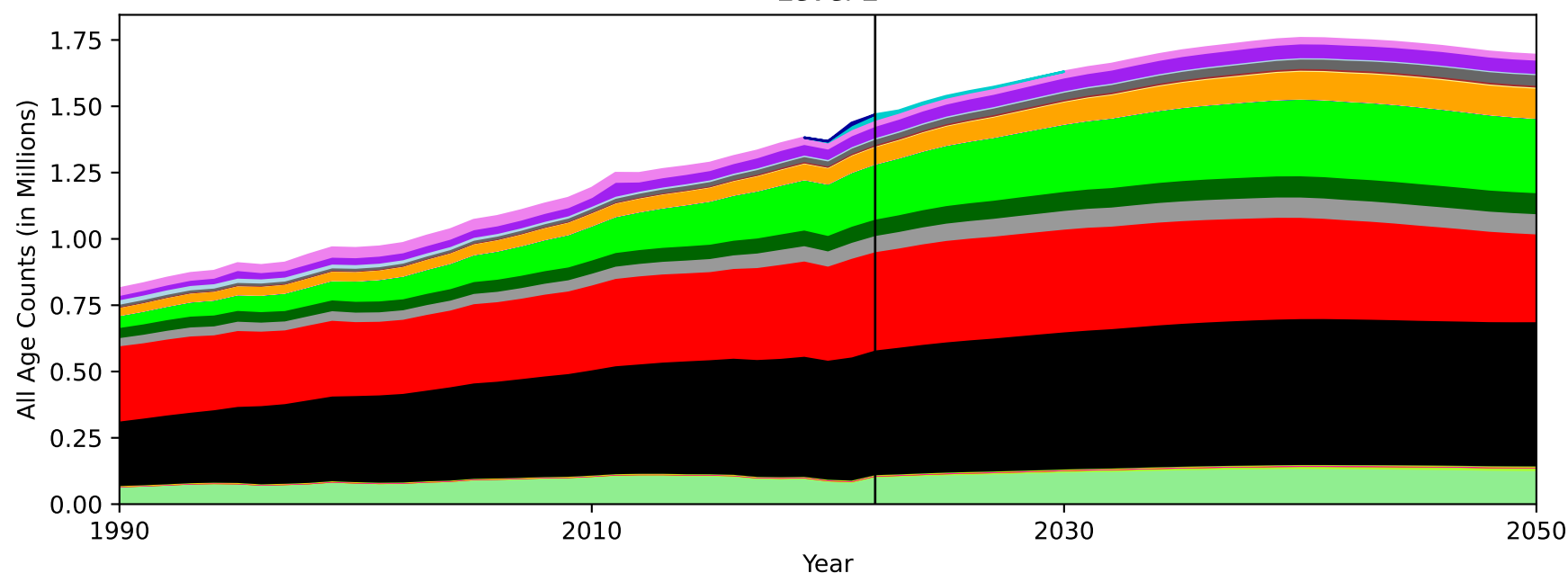
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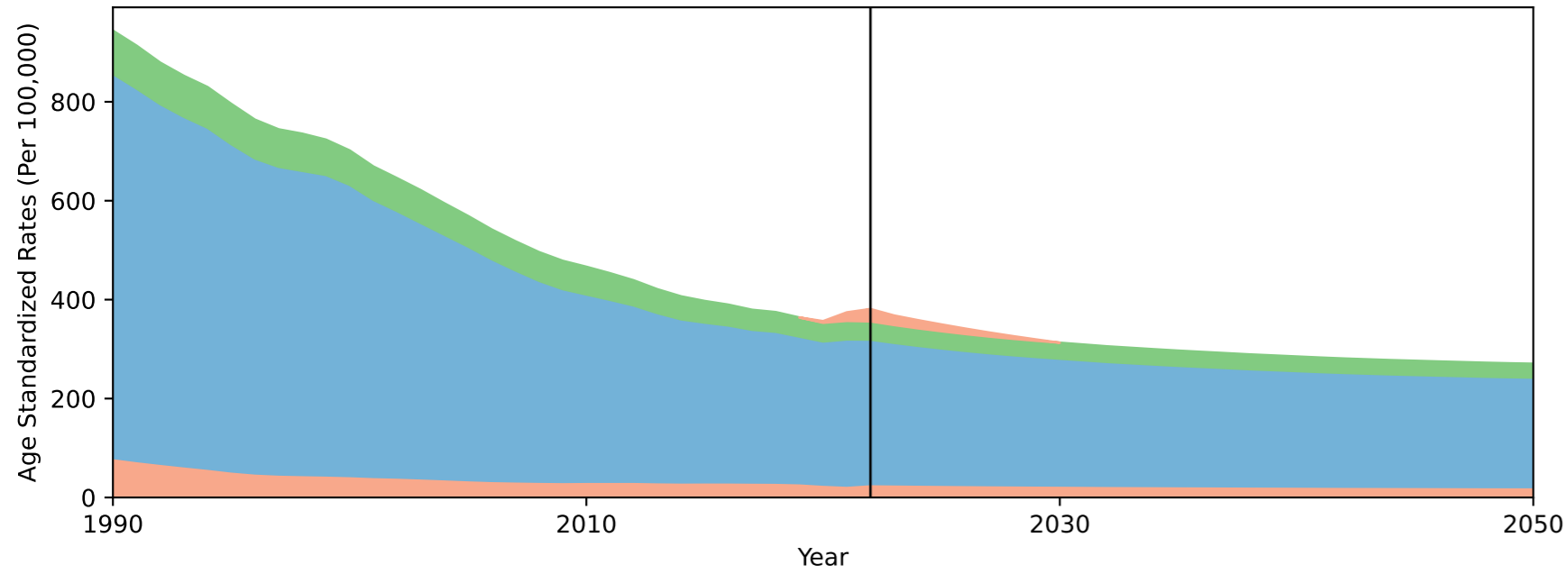


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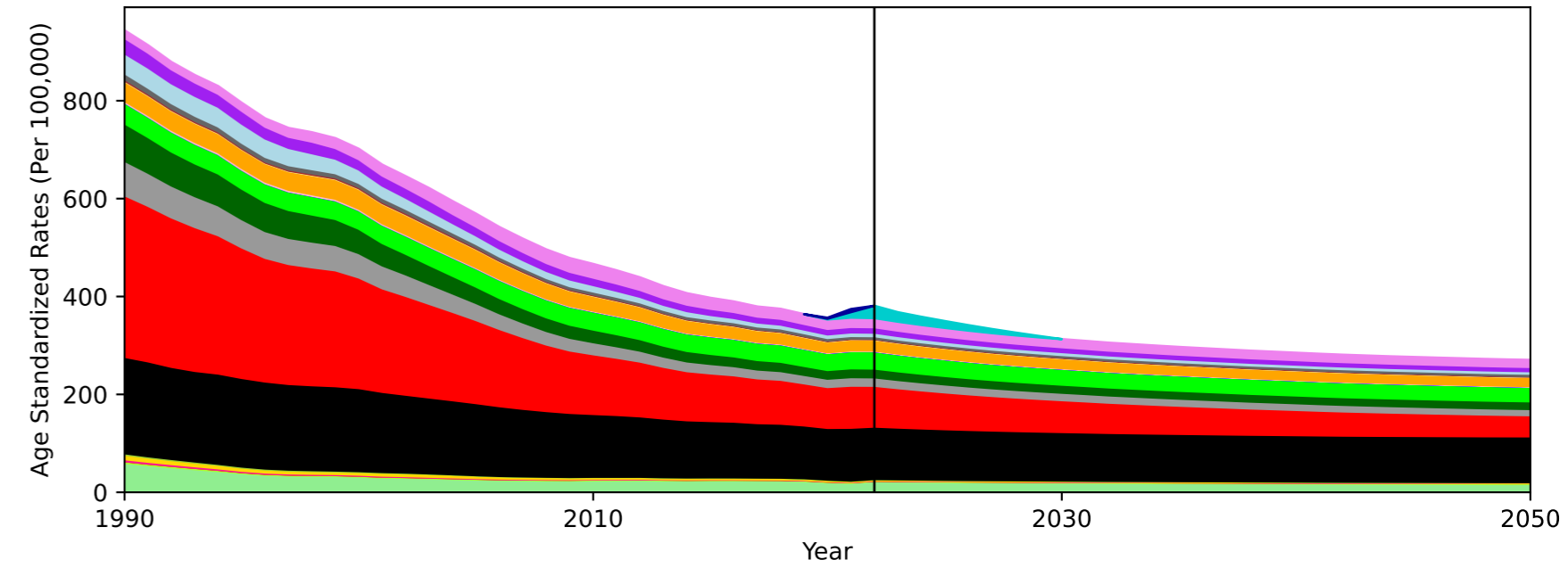


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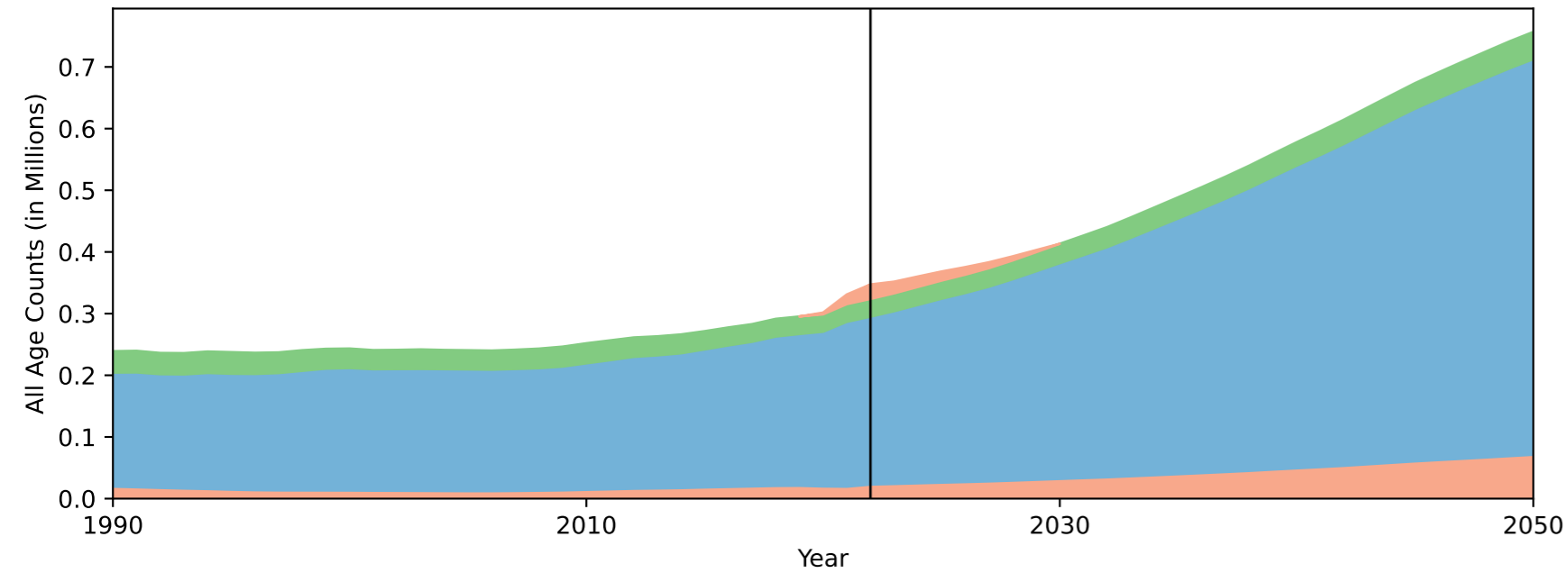
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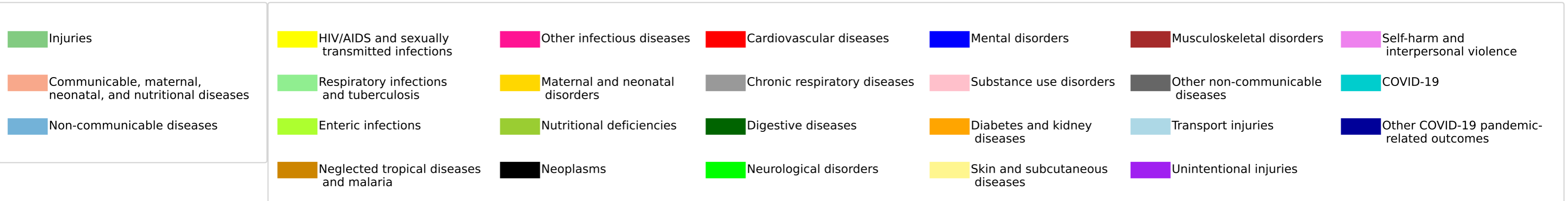
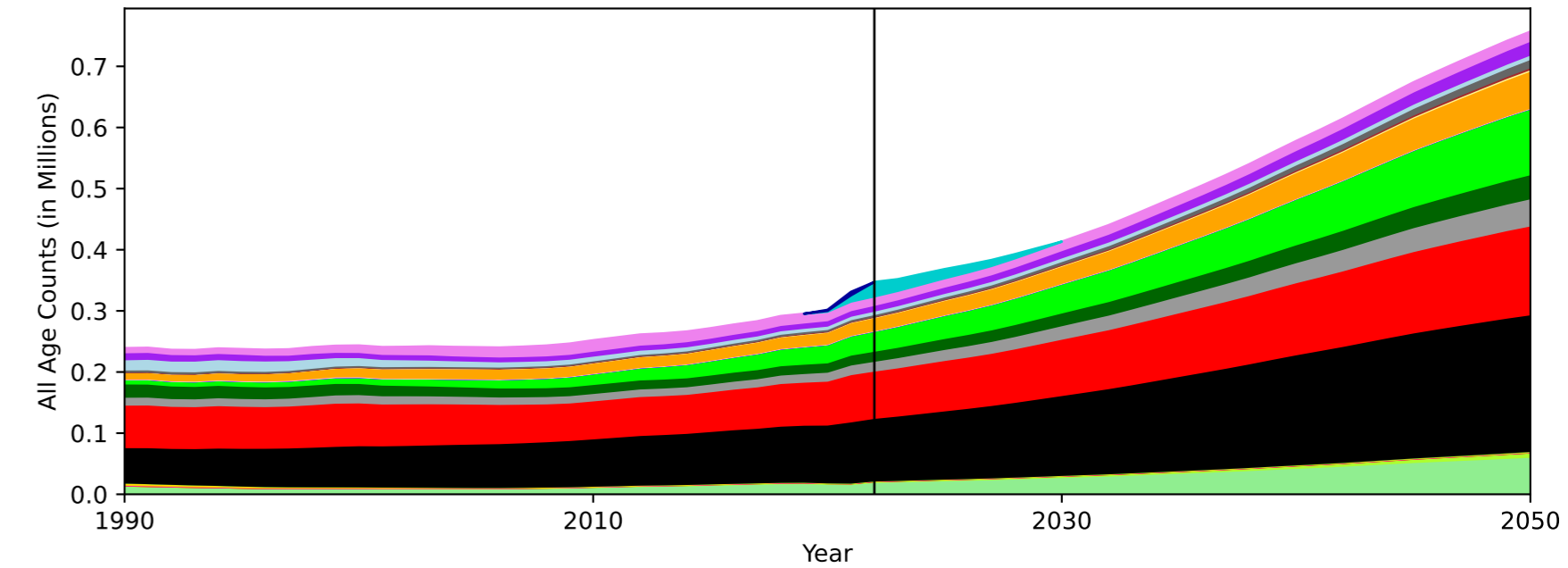
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Level 1



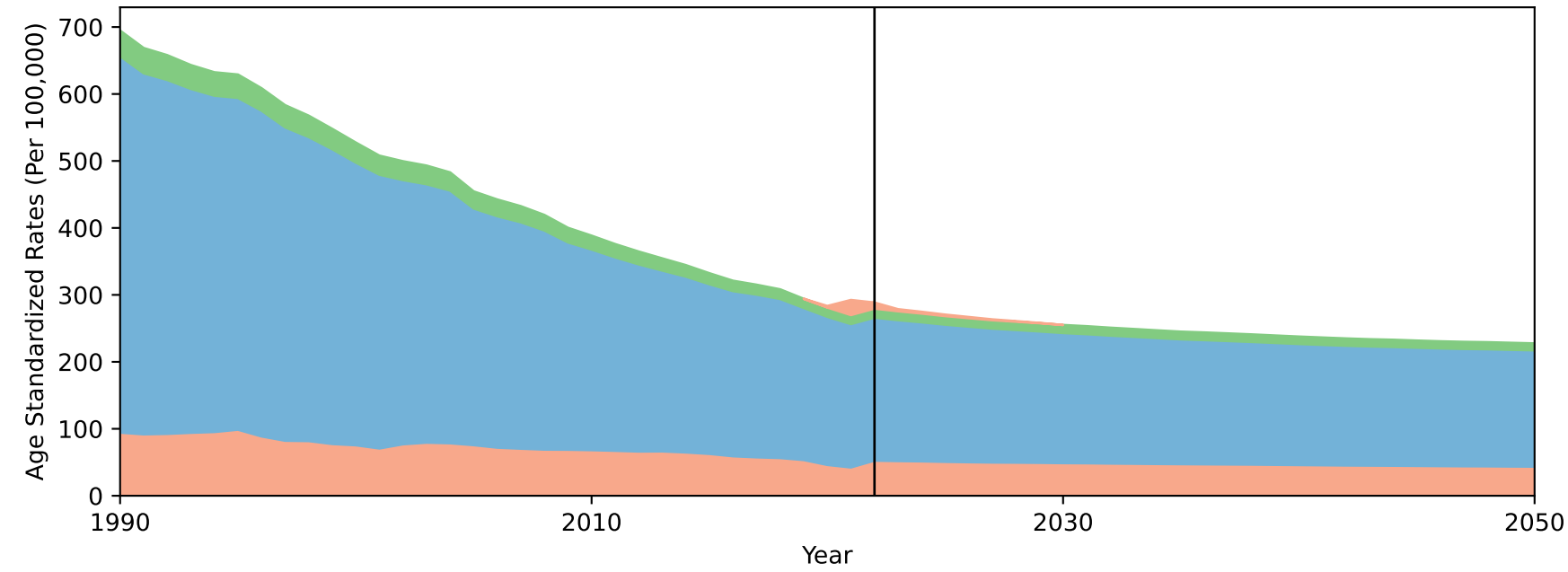
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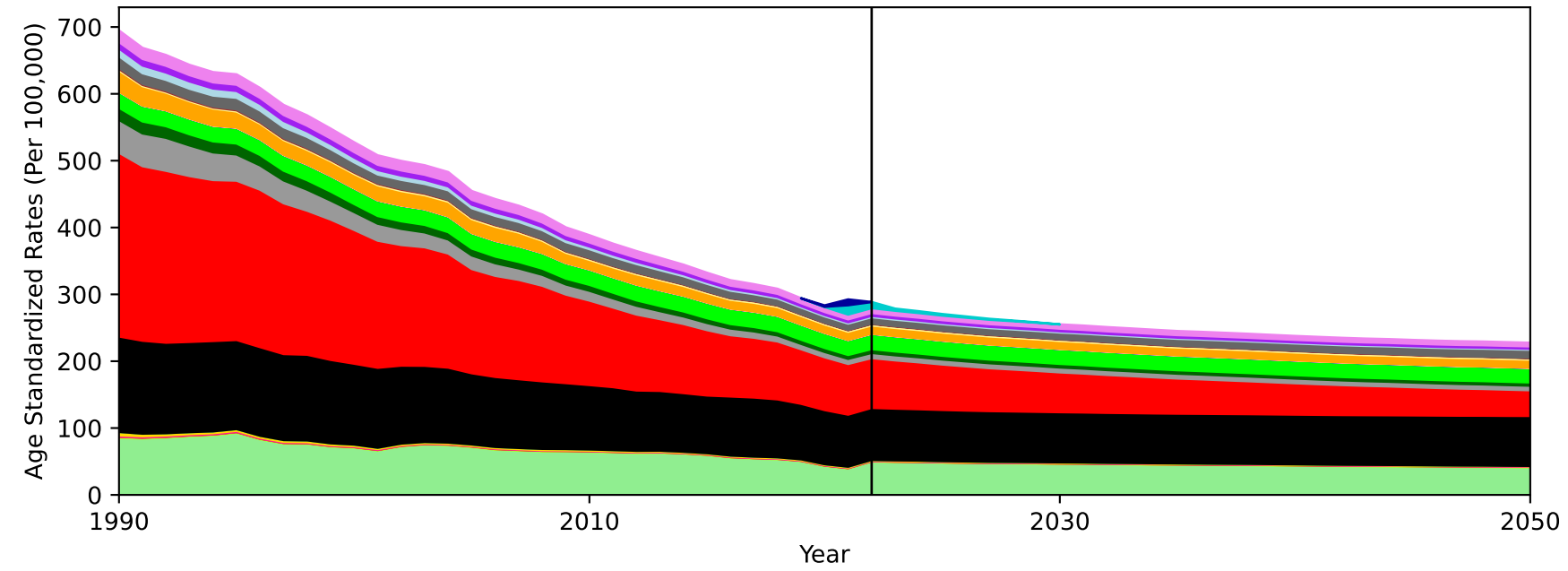


# Singapore

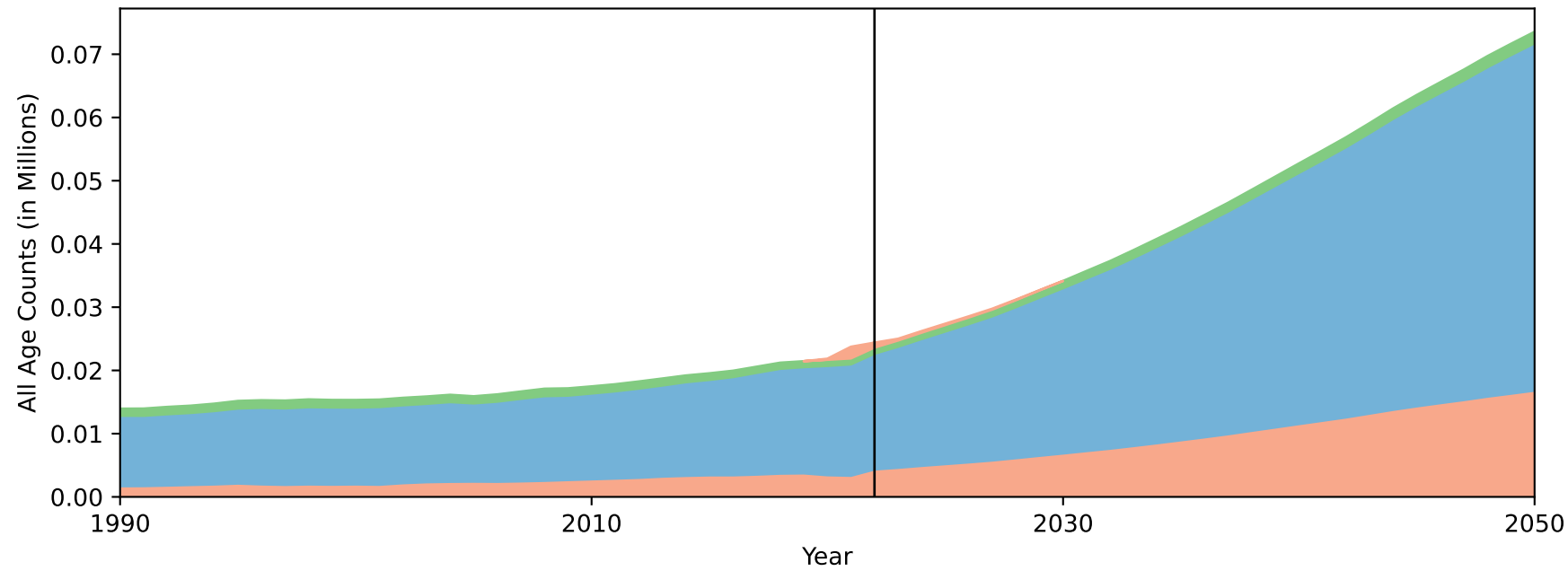
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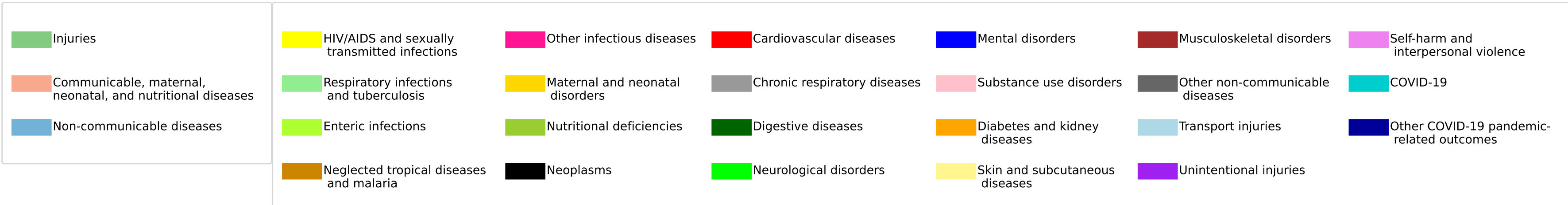
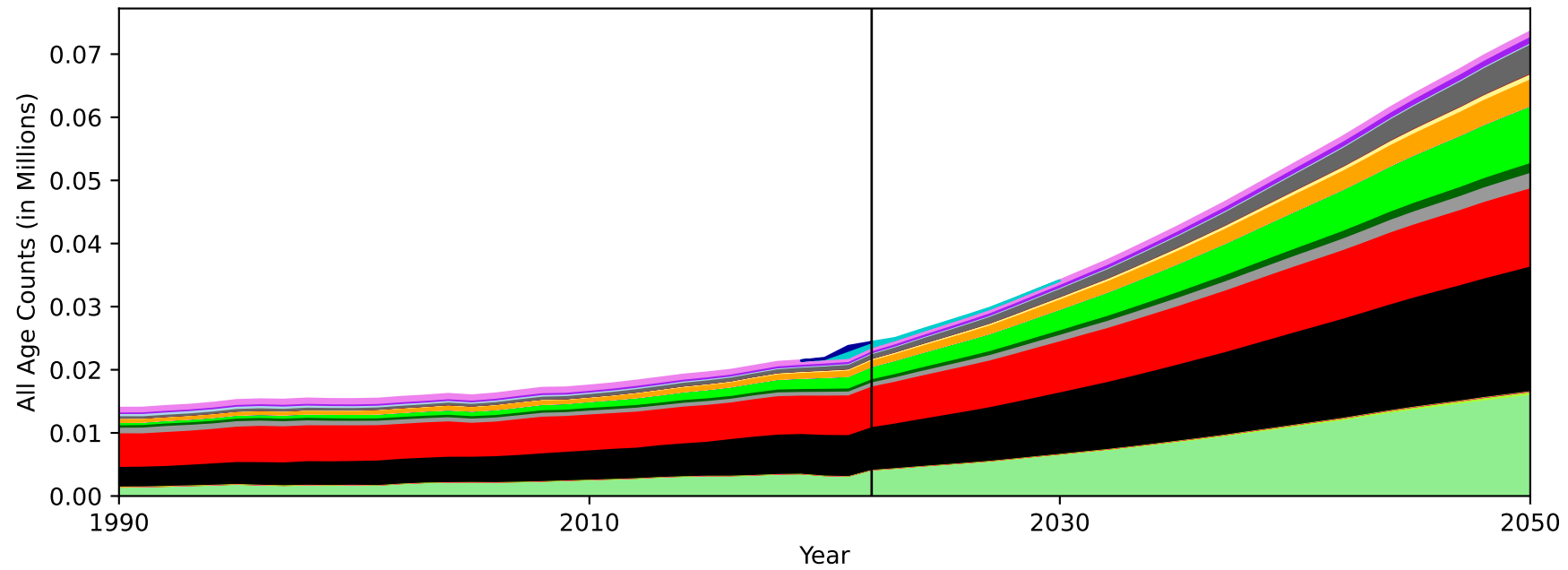
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Level 1

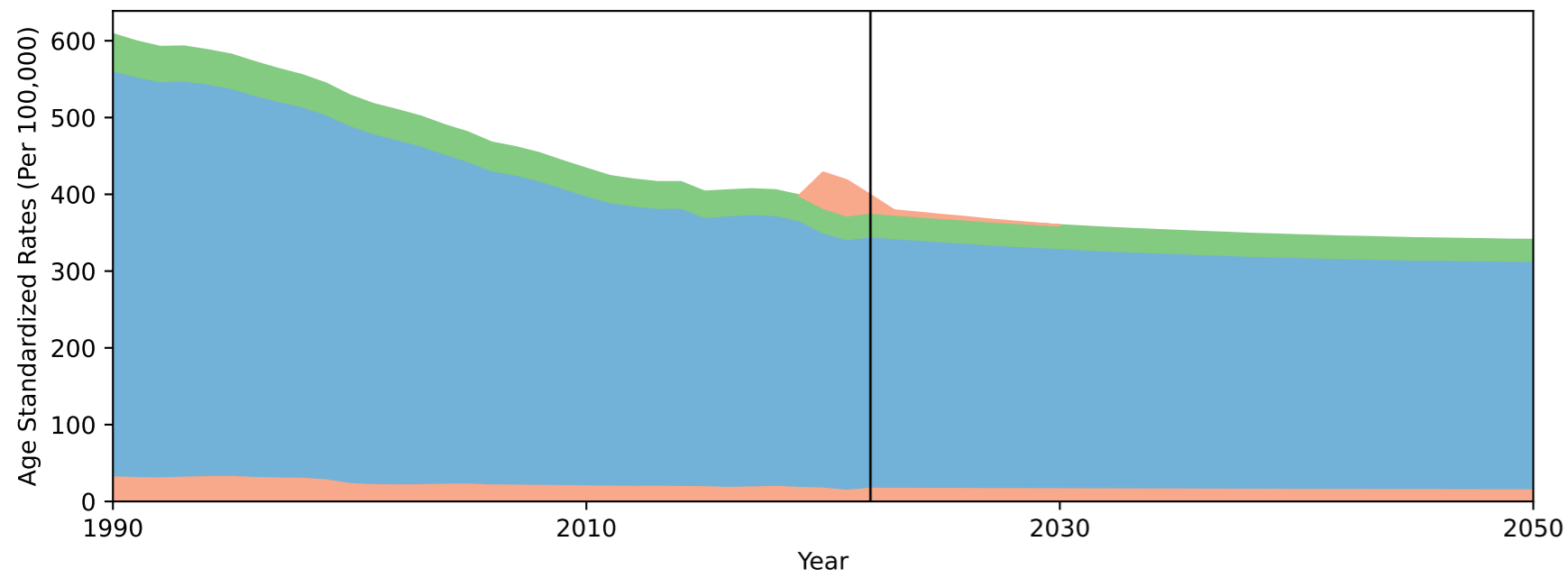


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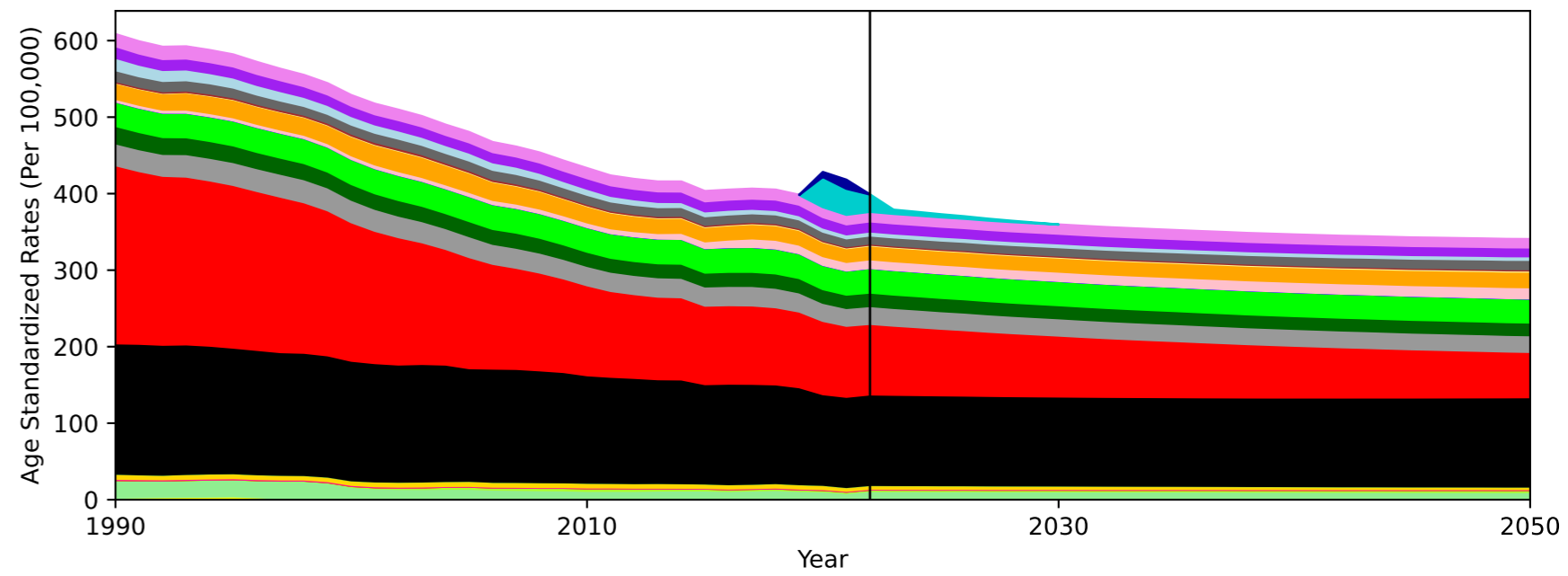


# Canada

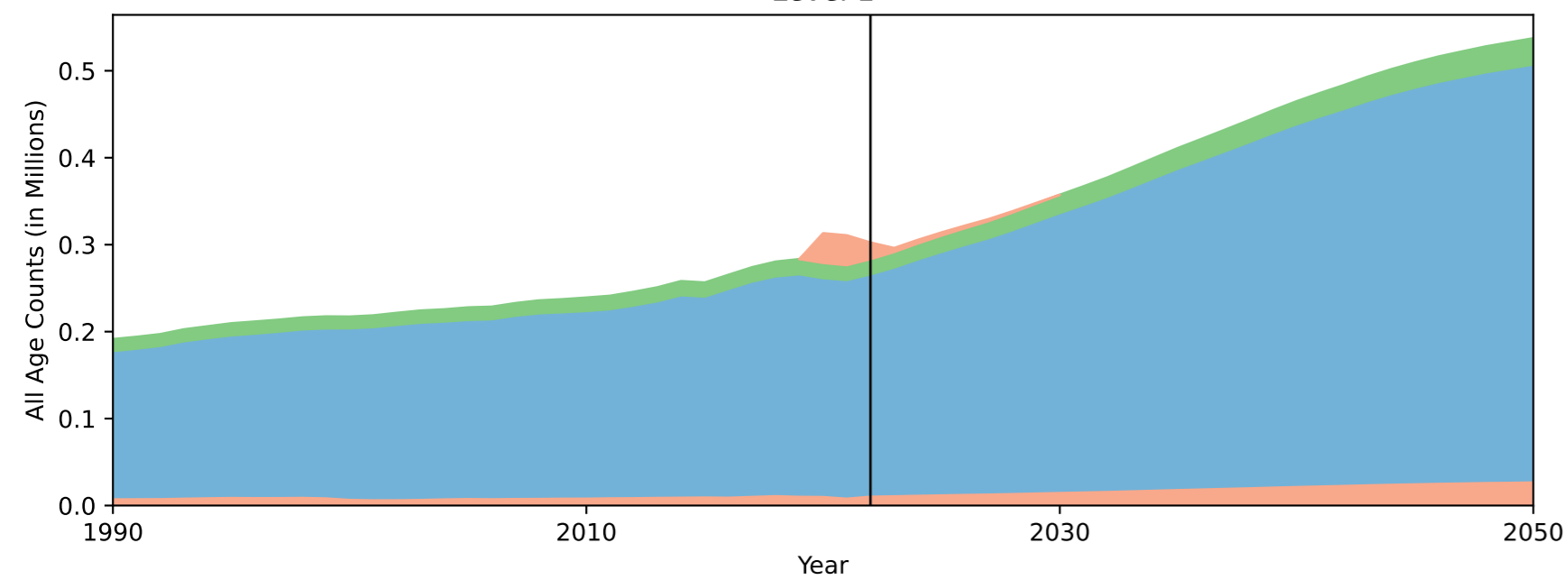
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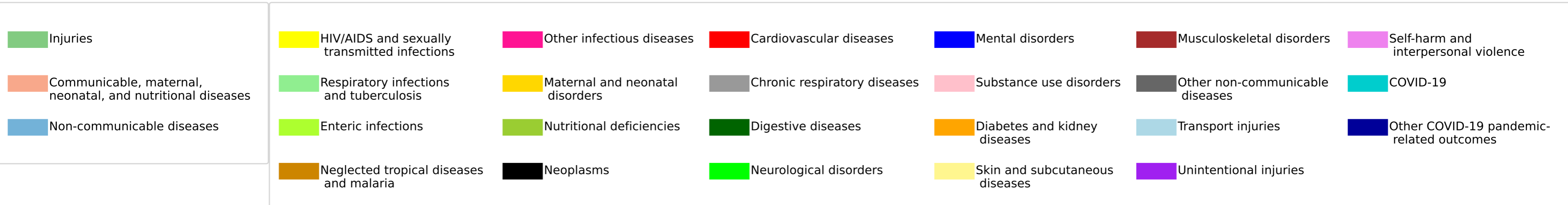
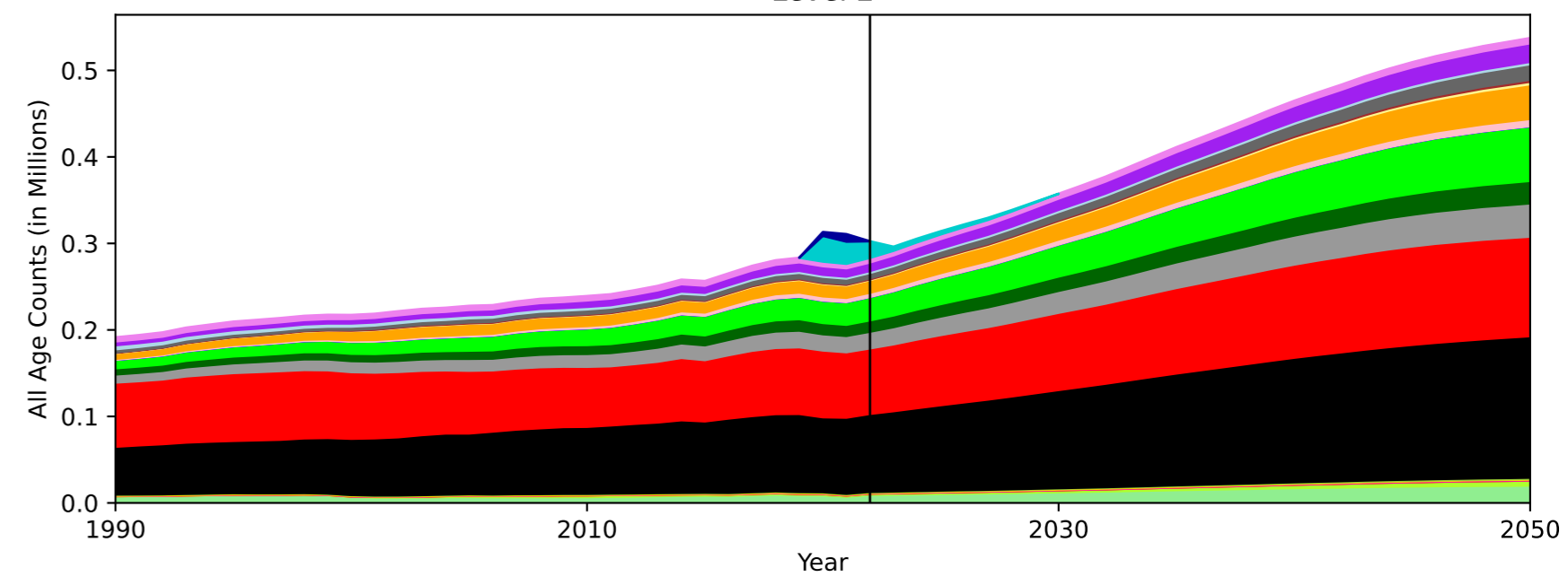
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Level 1

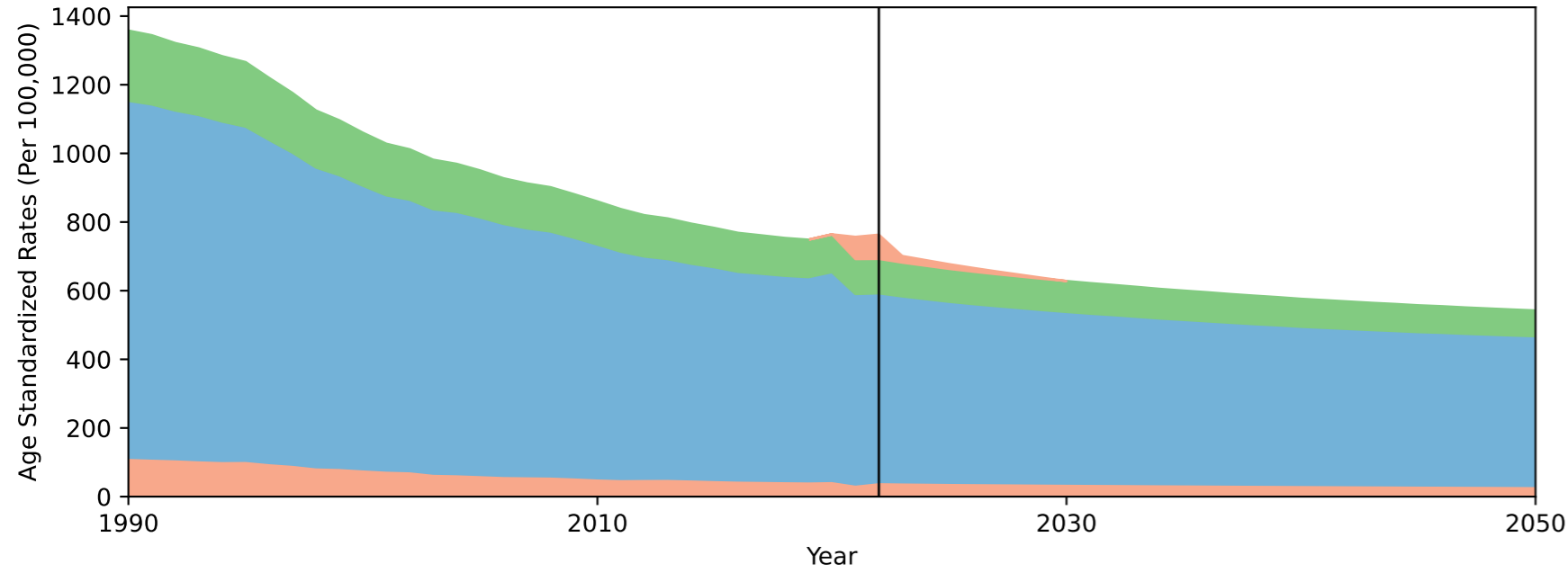


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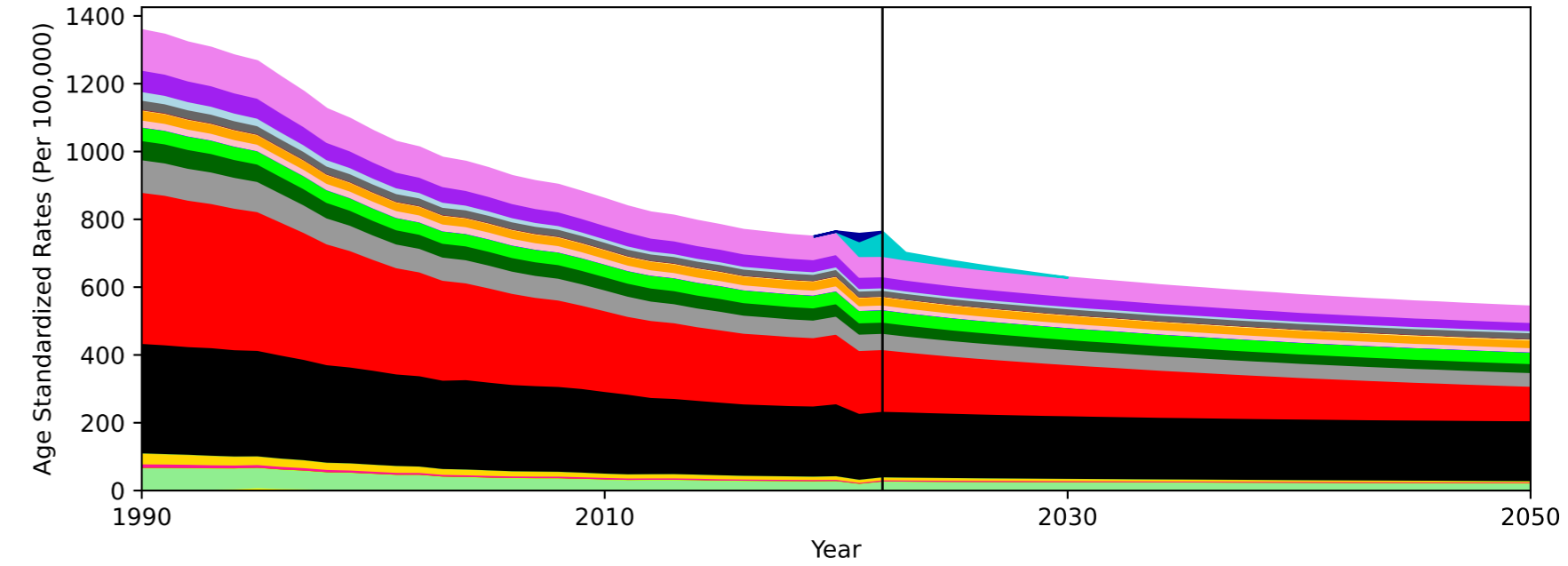


# Greenland

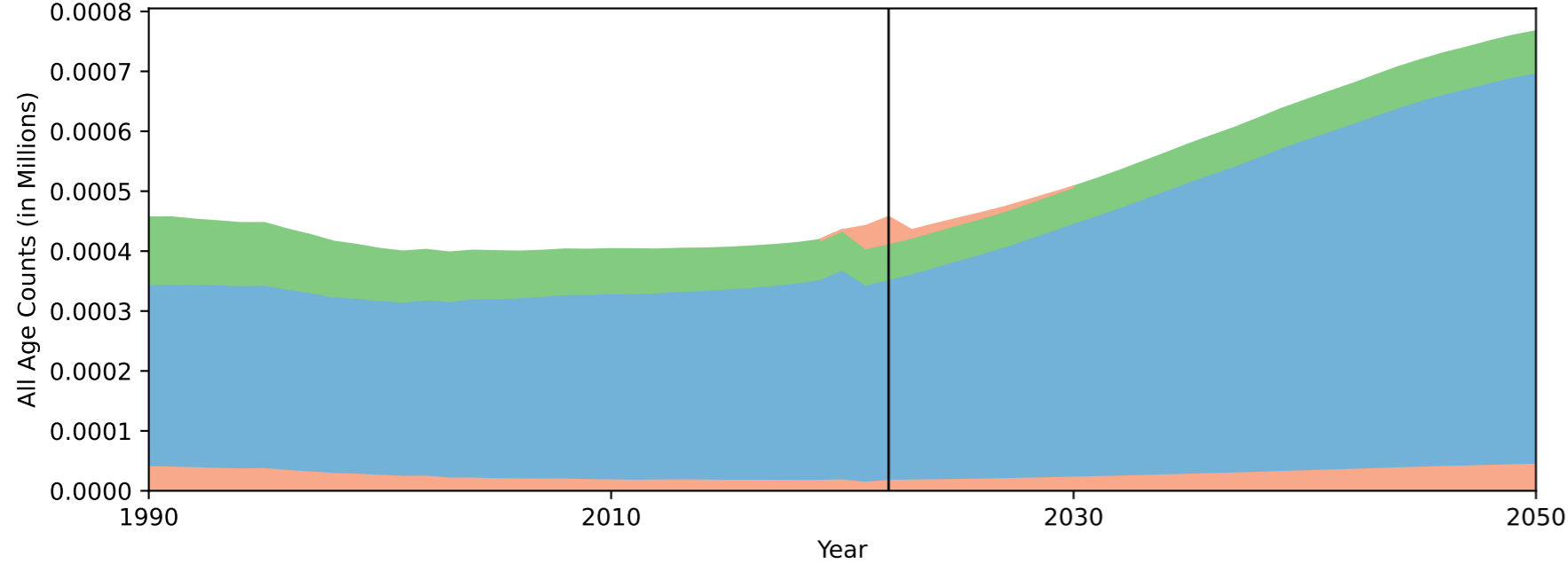
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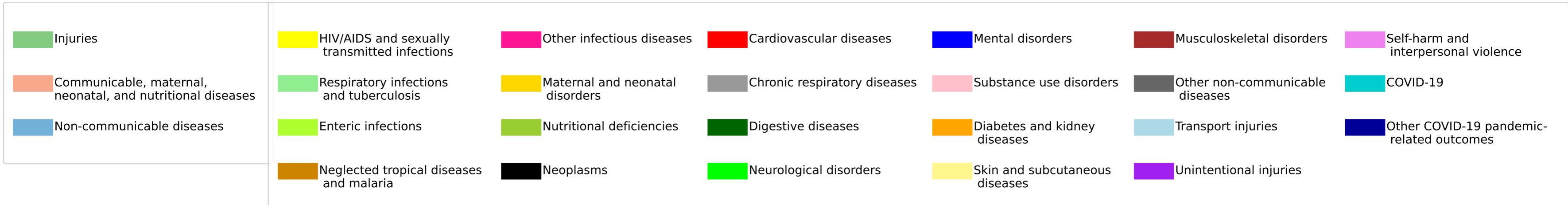
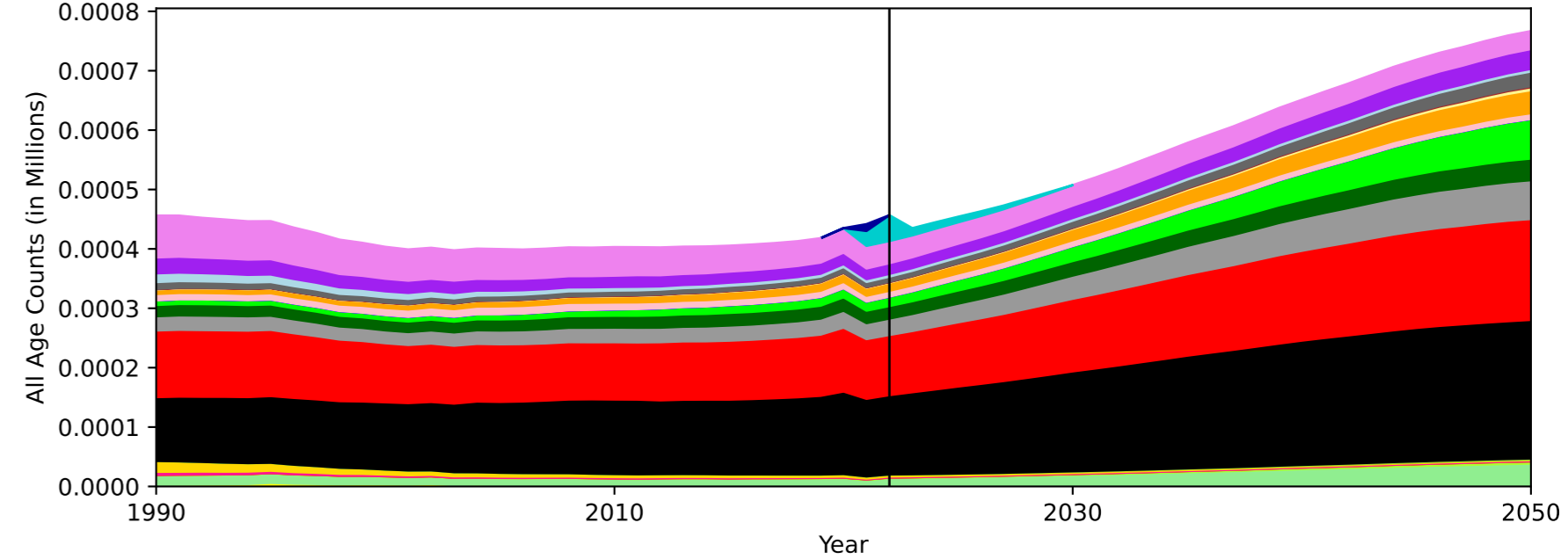
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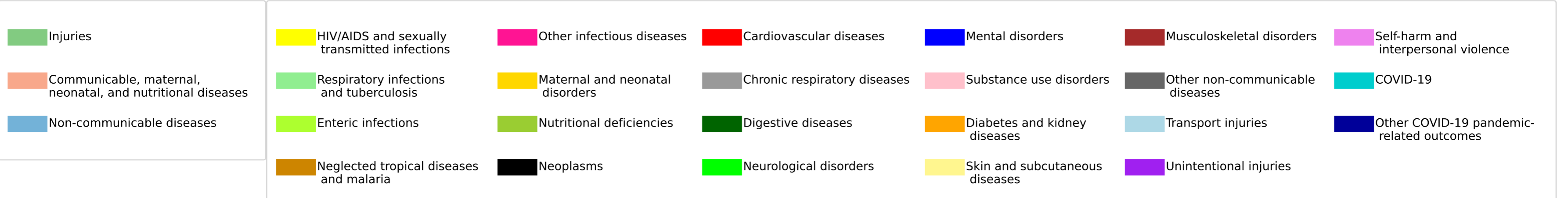
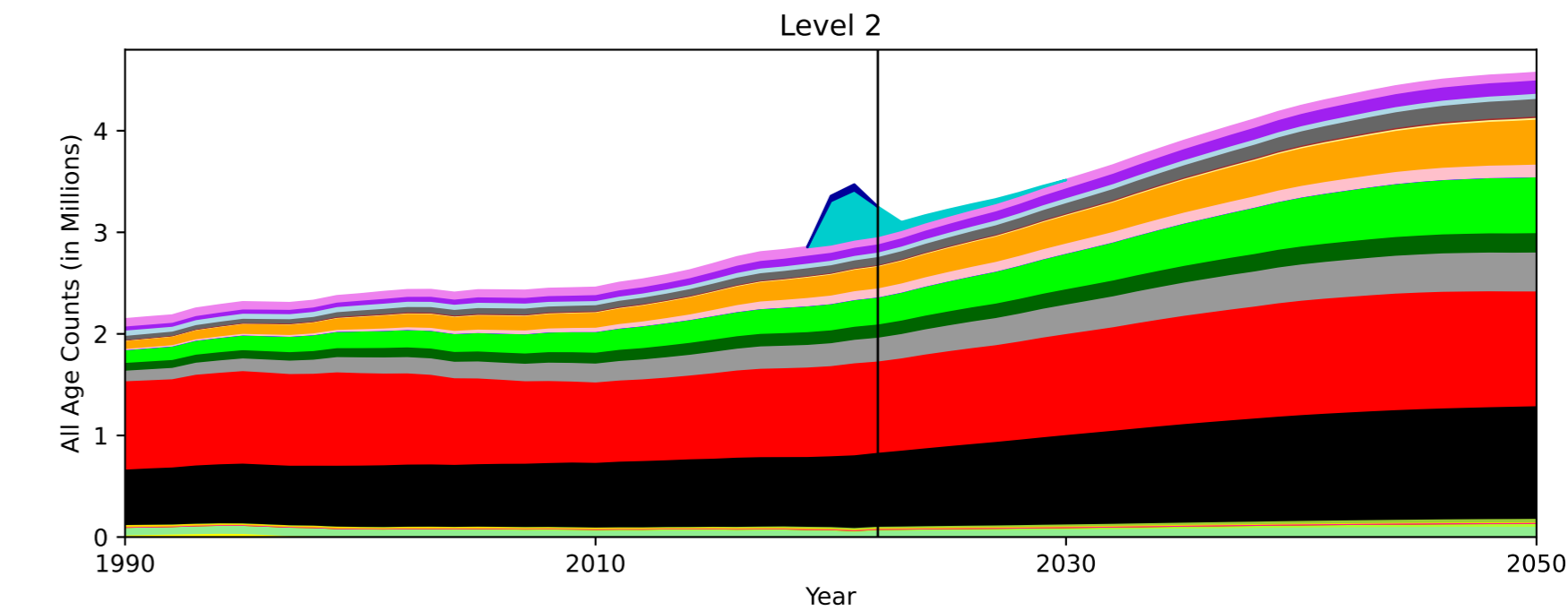
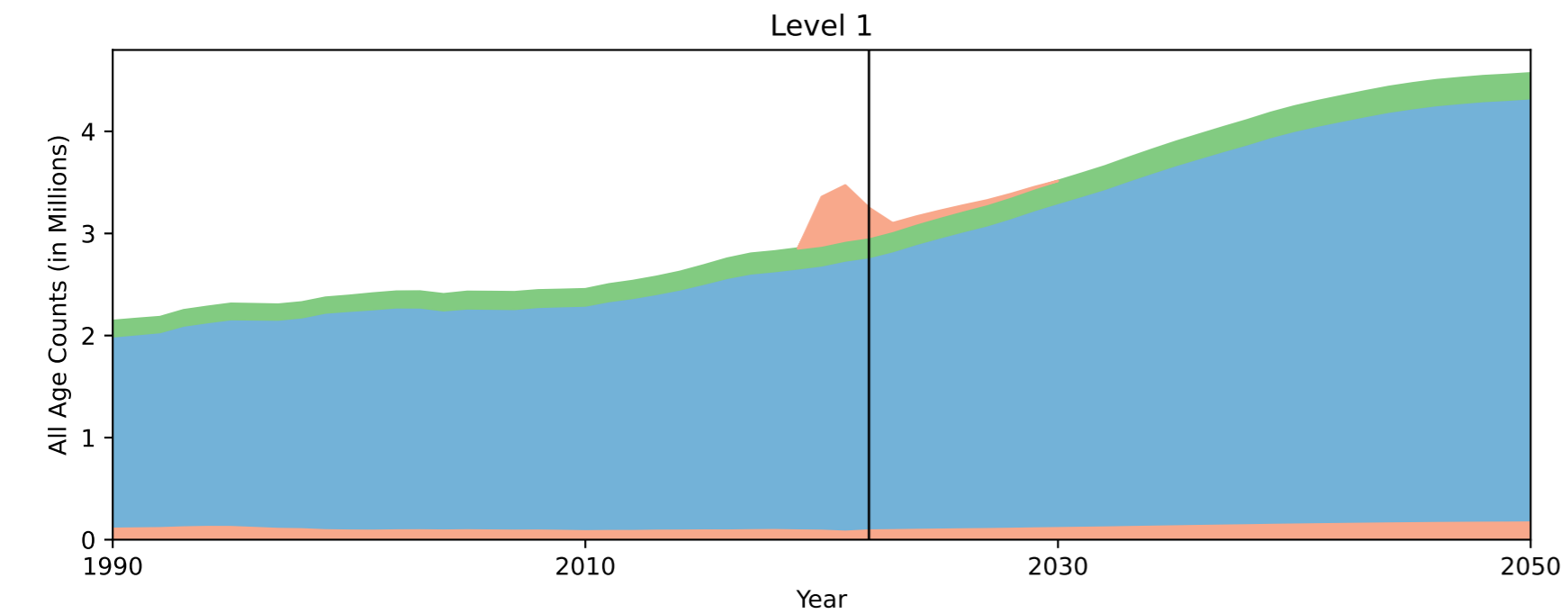
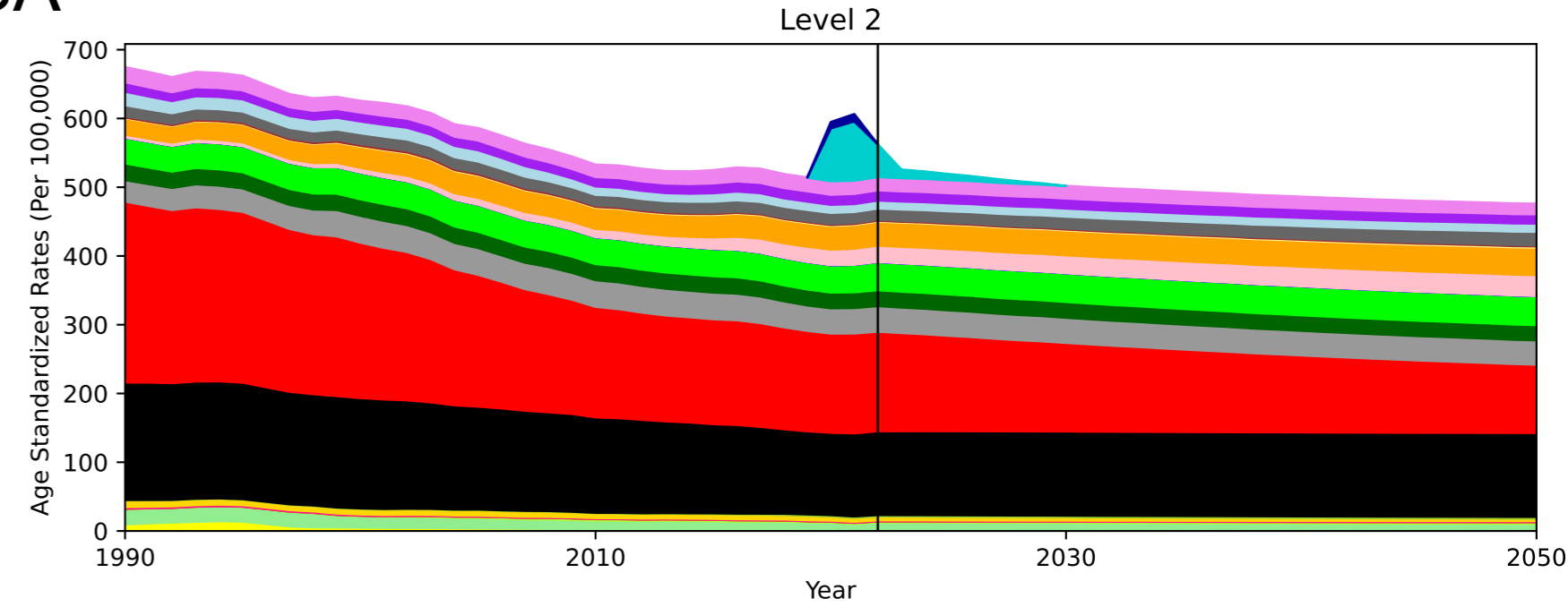
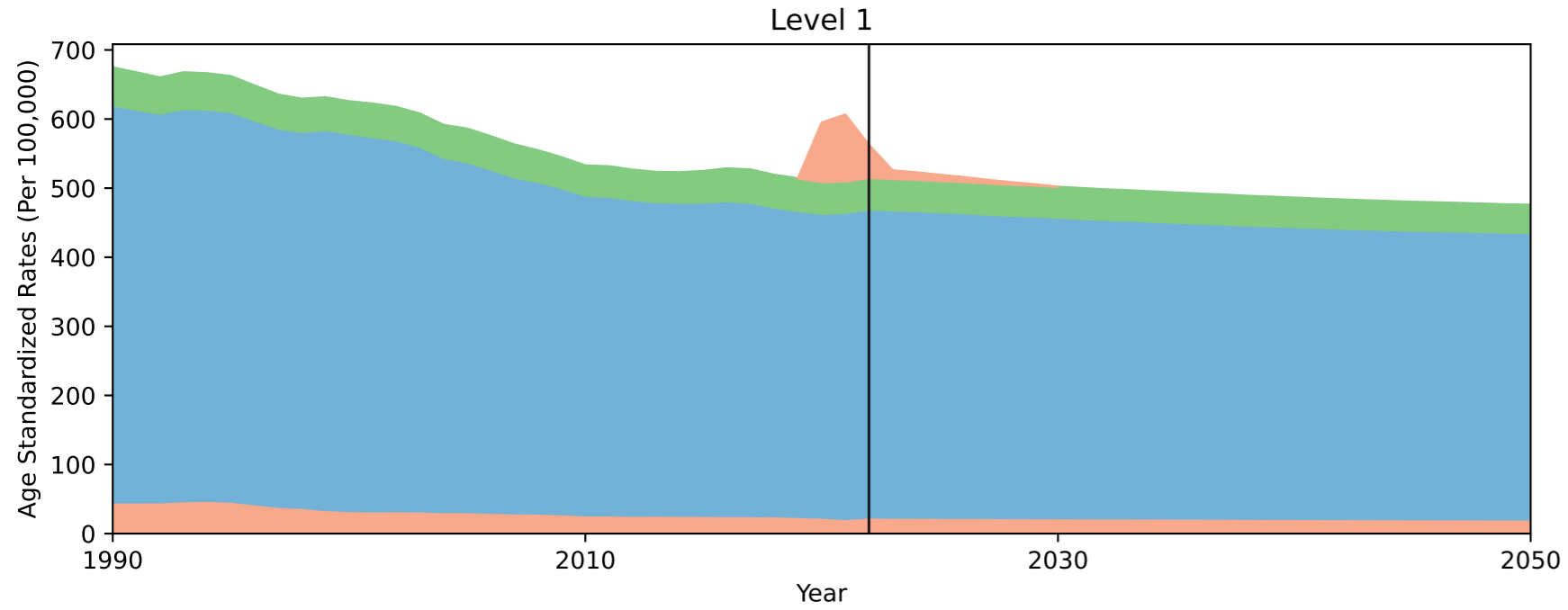
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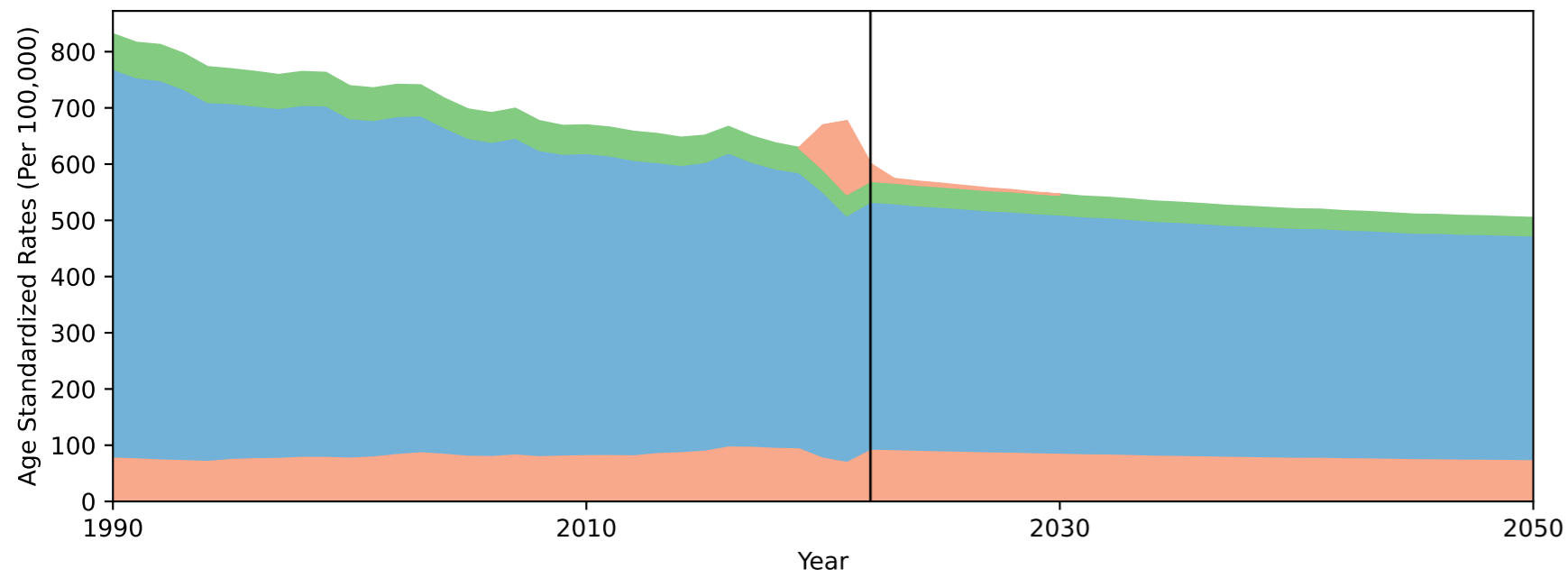
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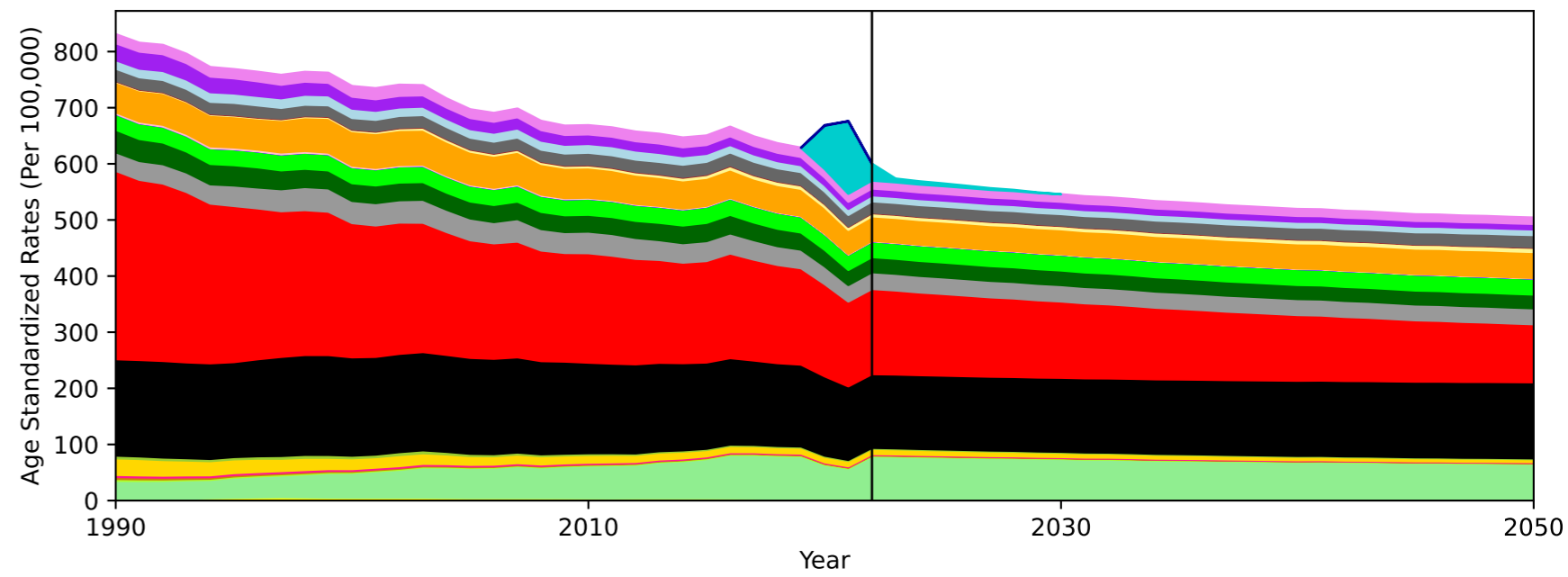
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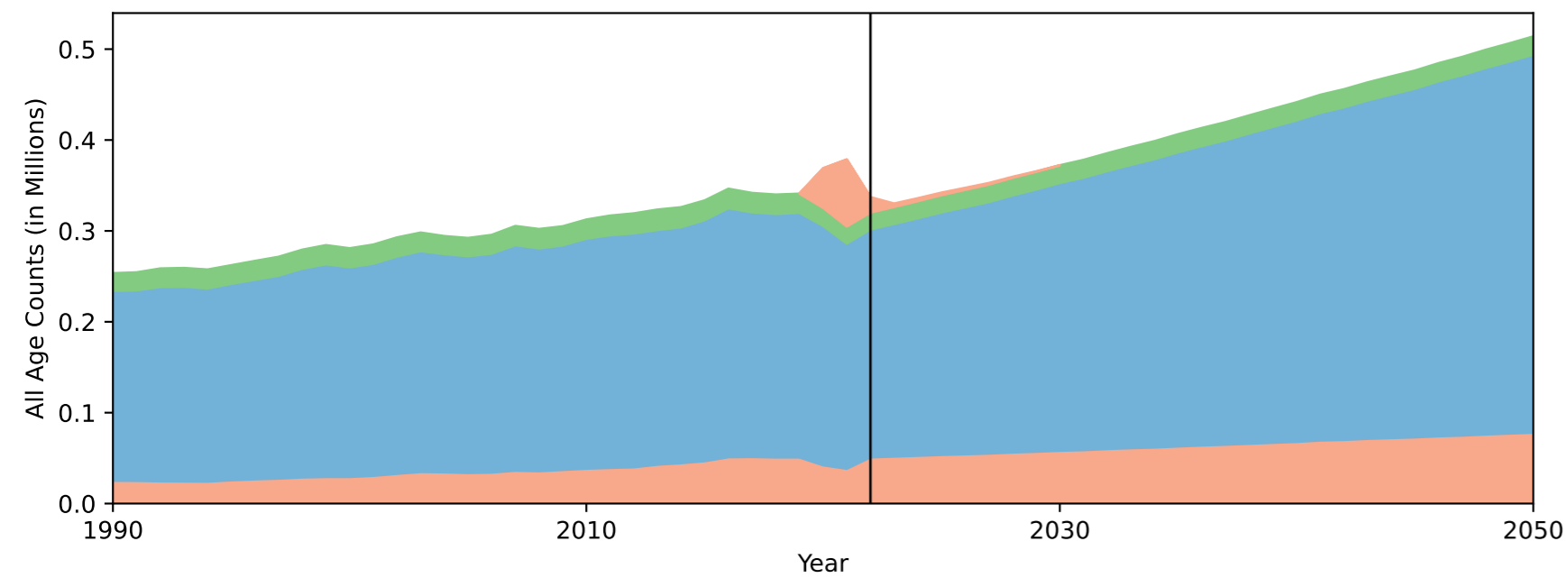
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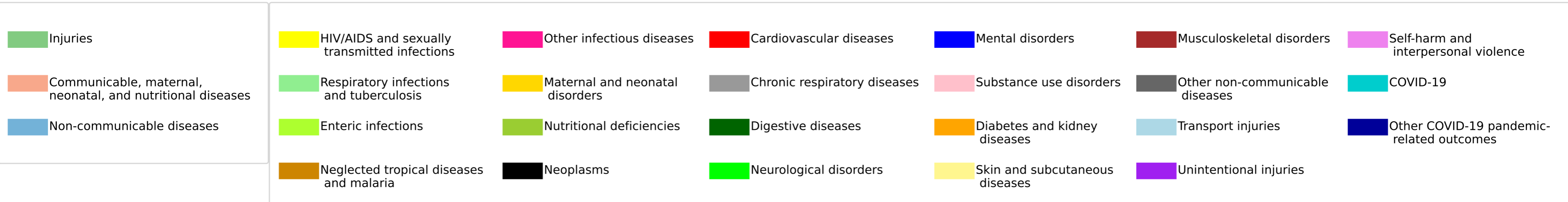
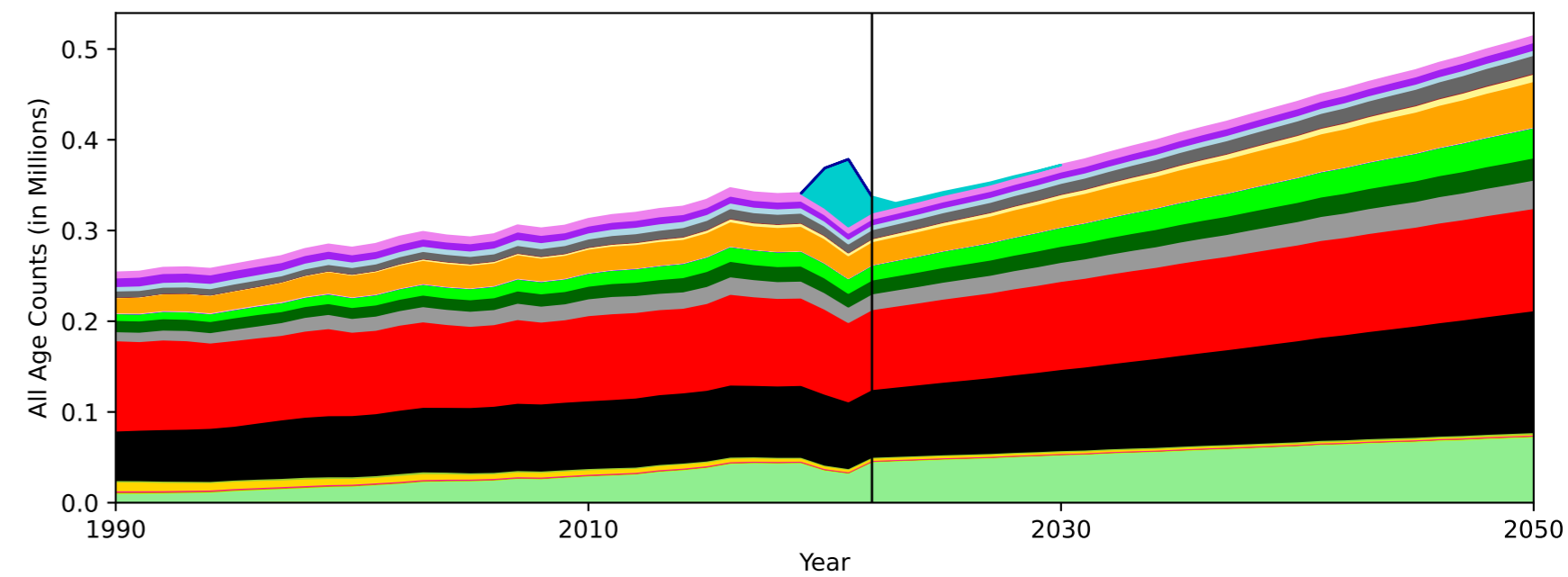
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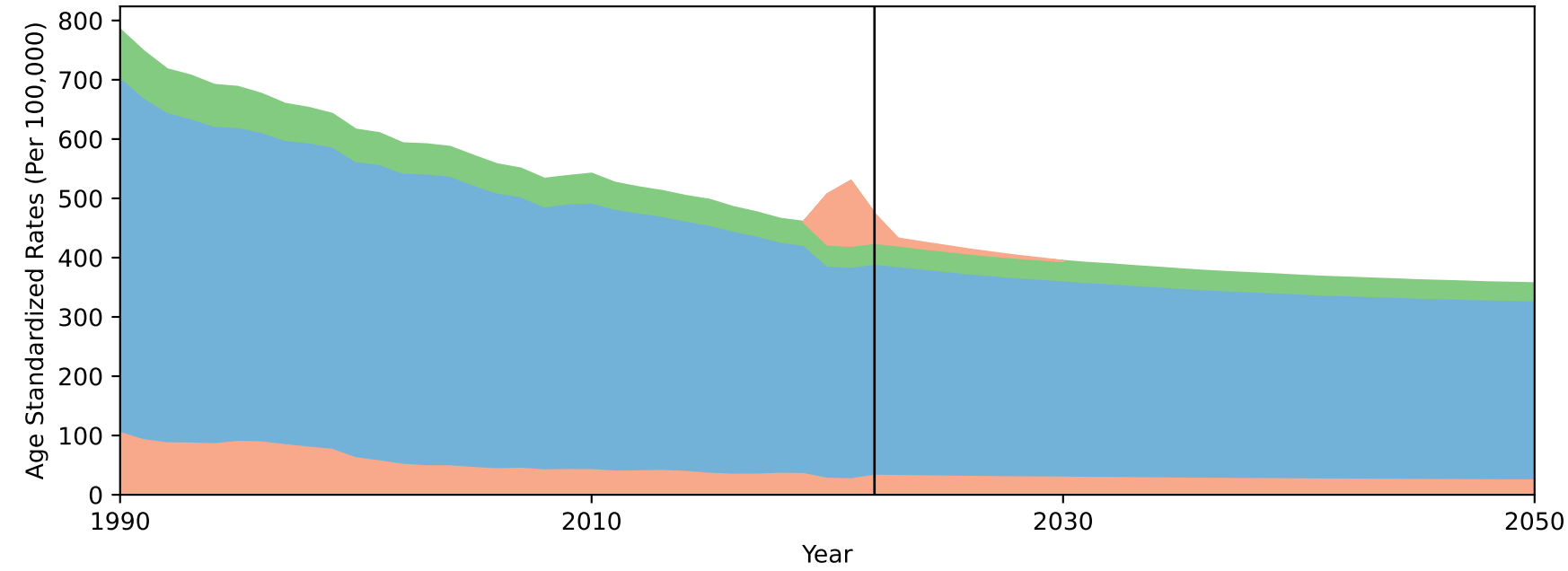
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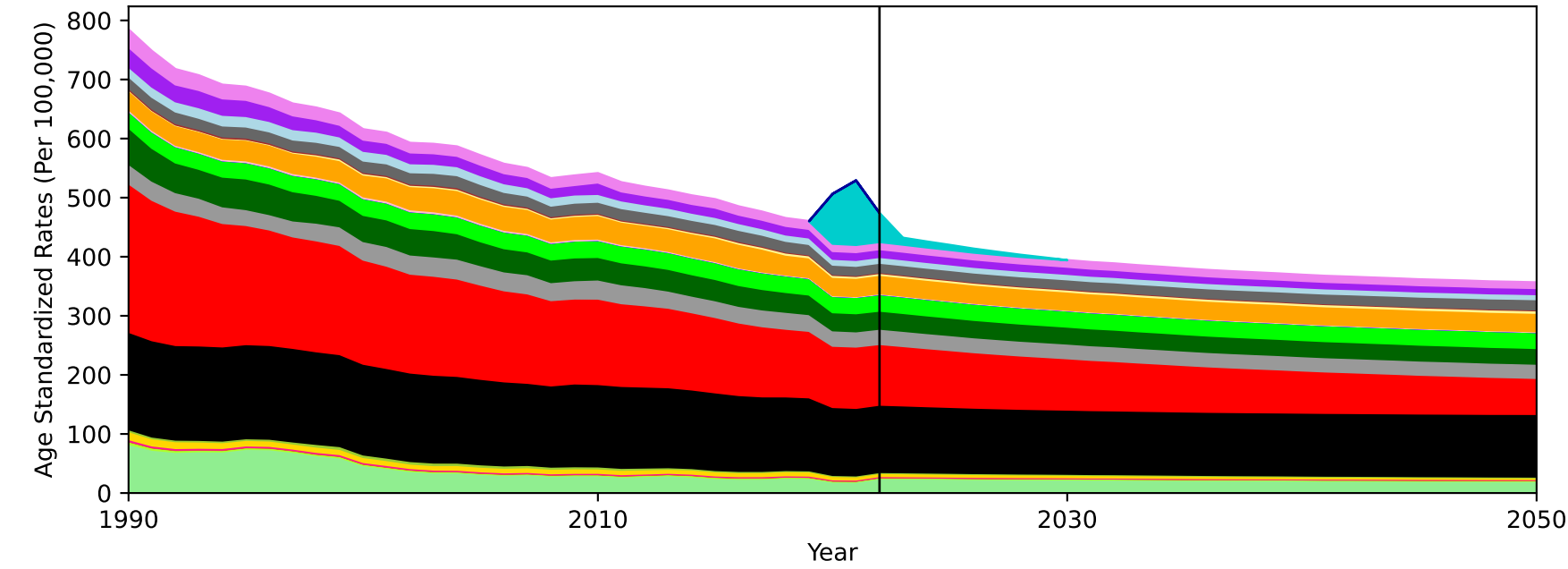
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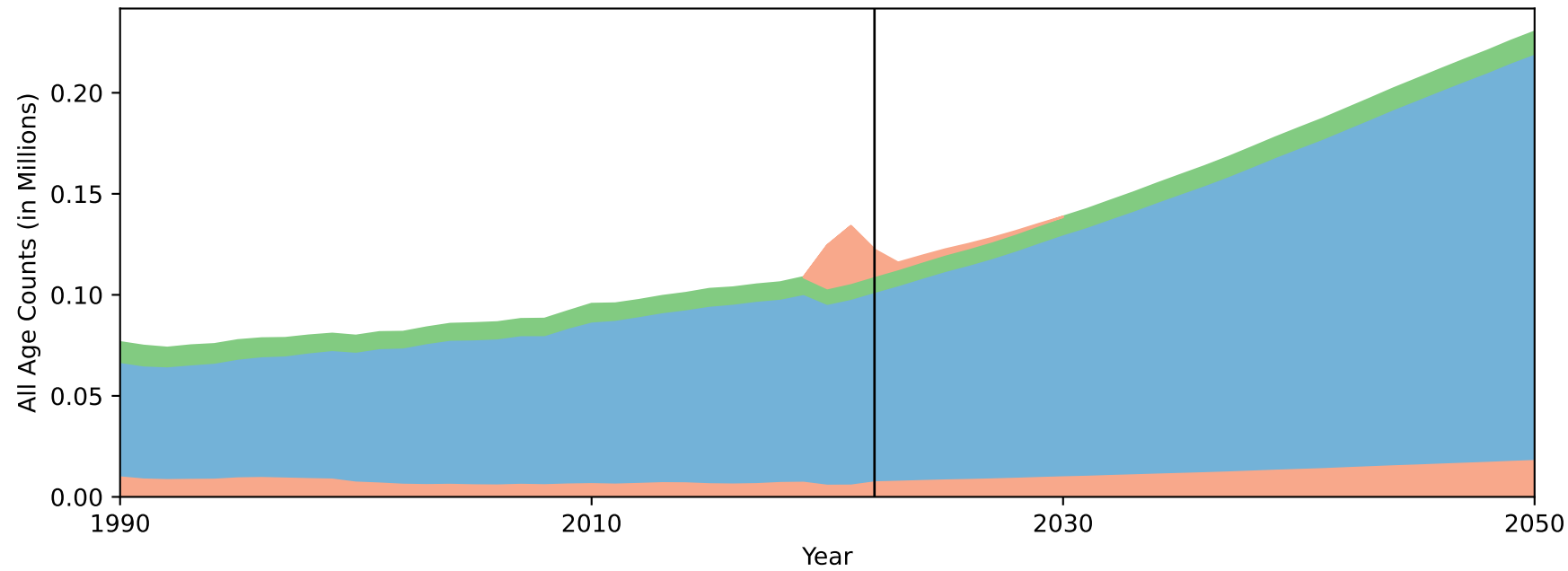
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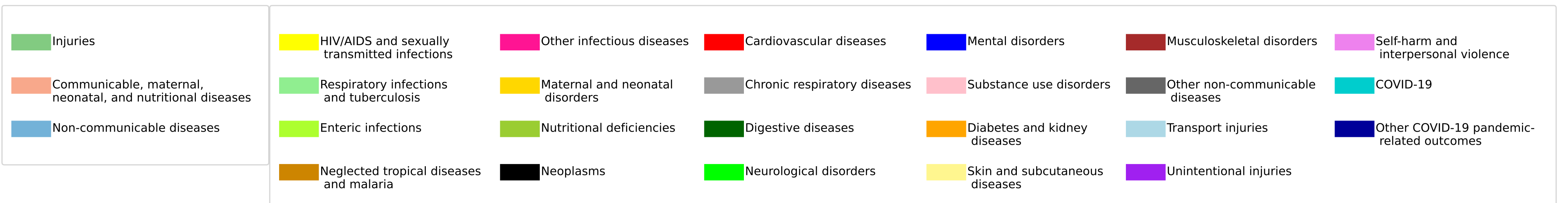
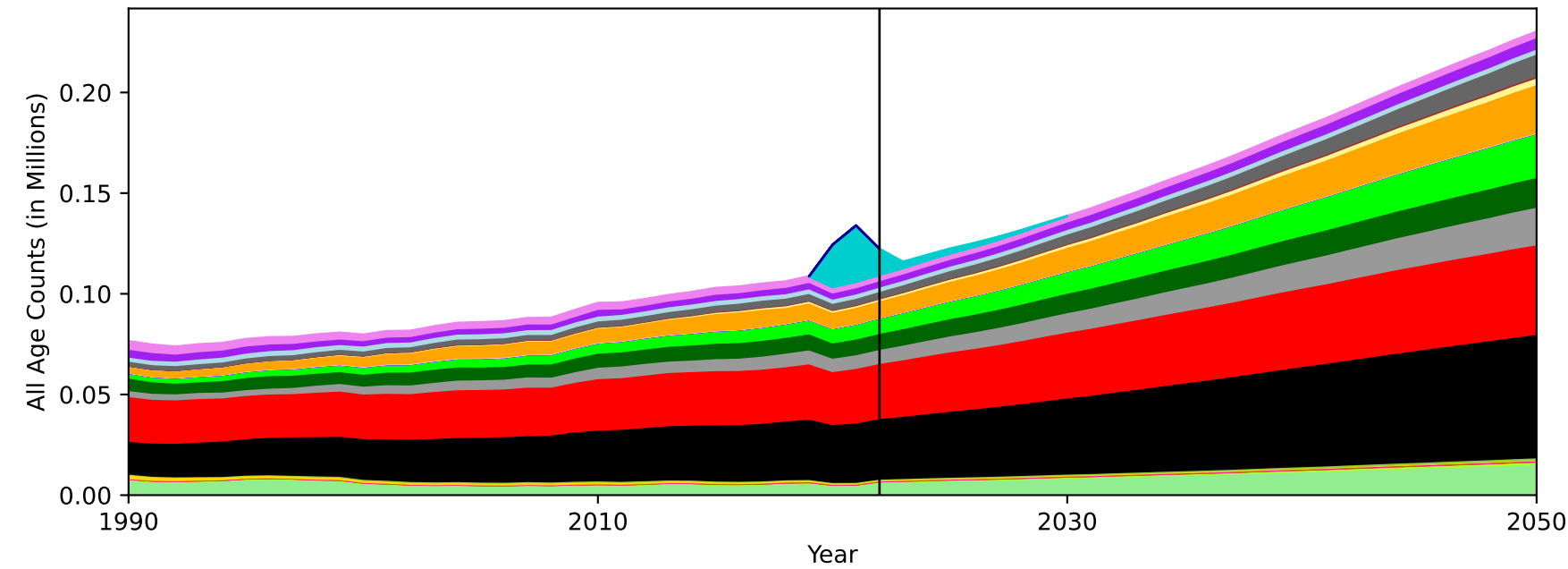
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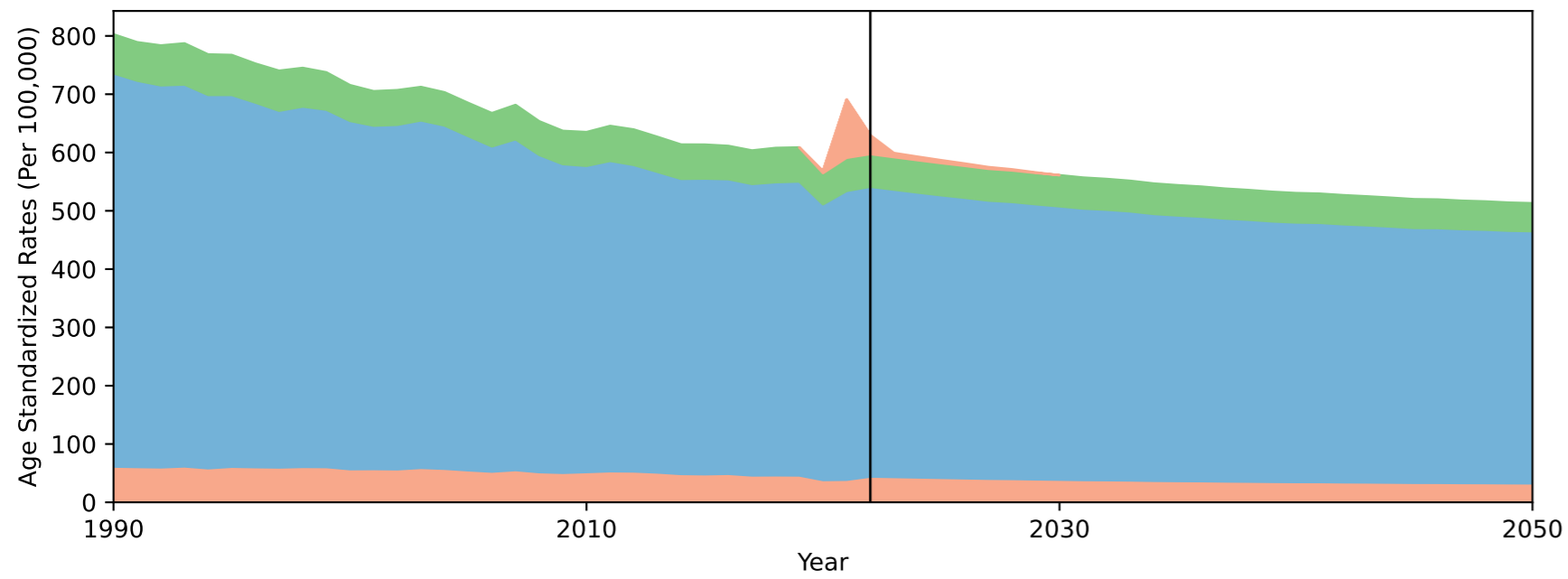


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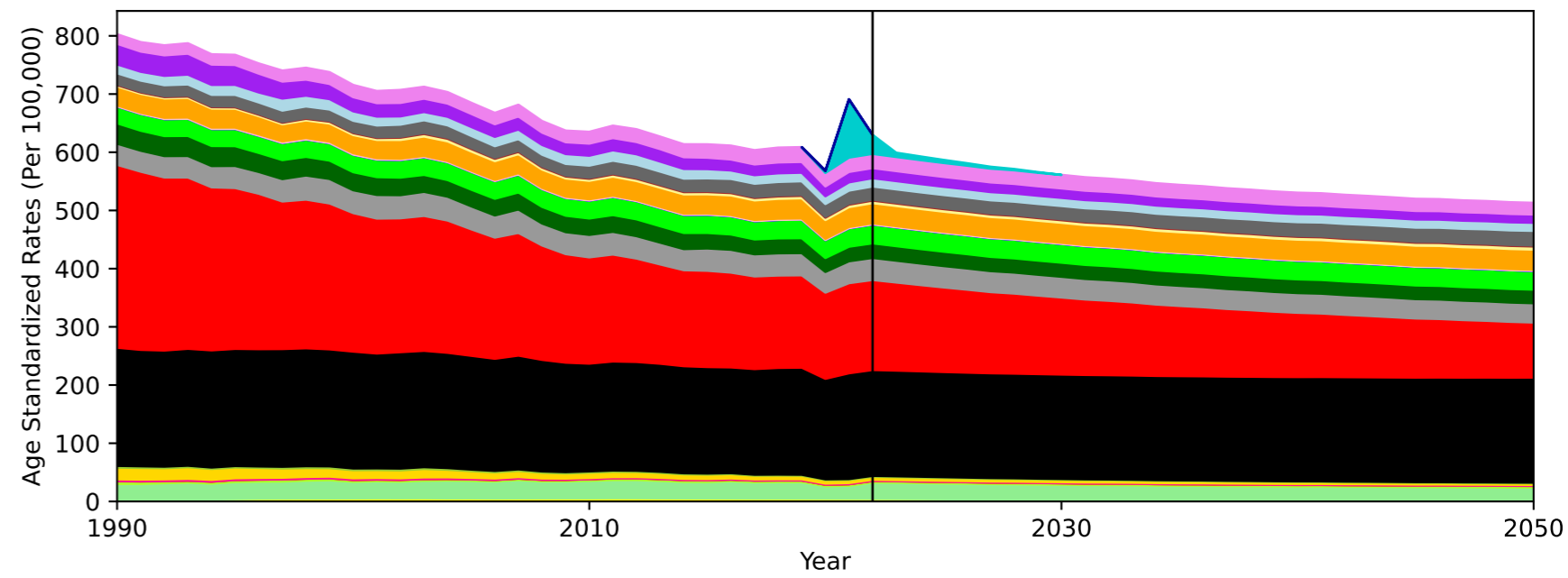


# Uruguay

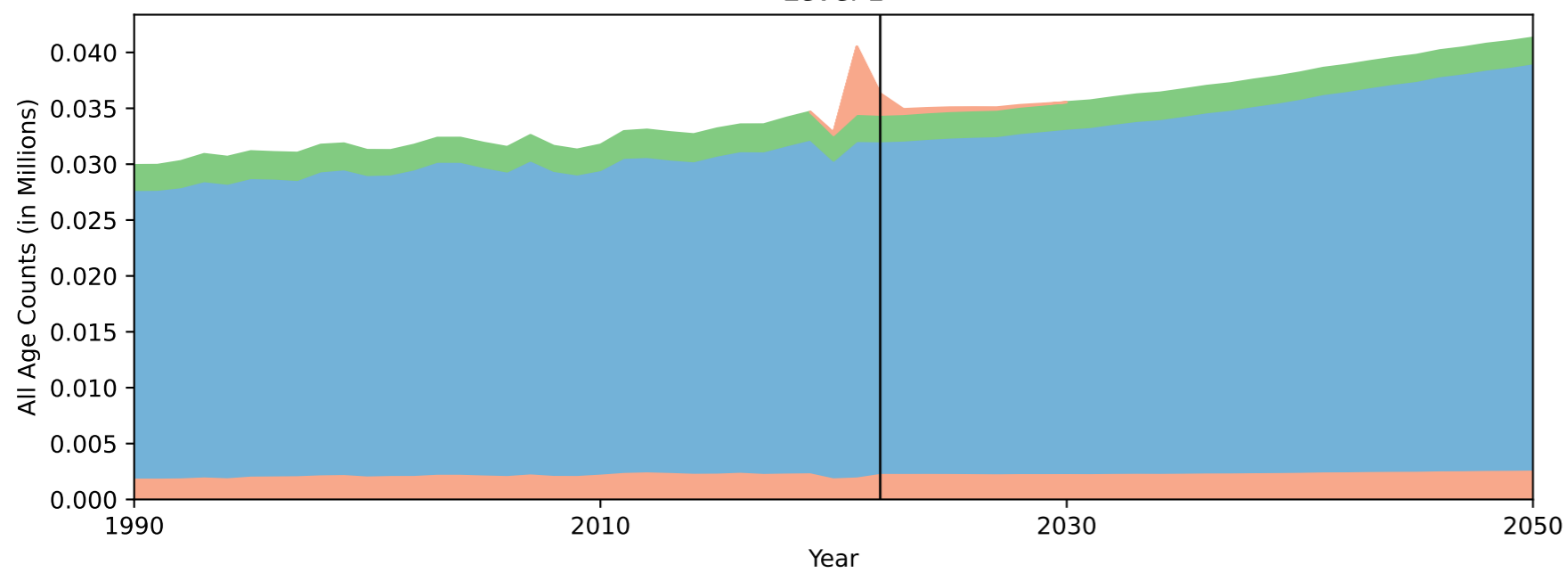
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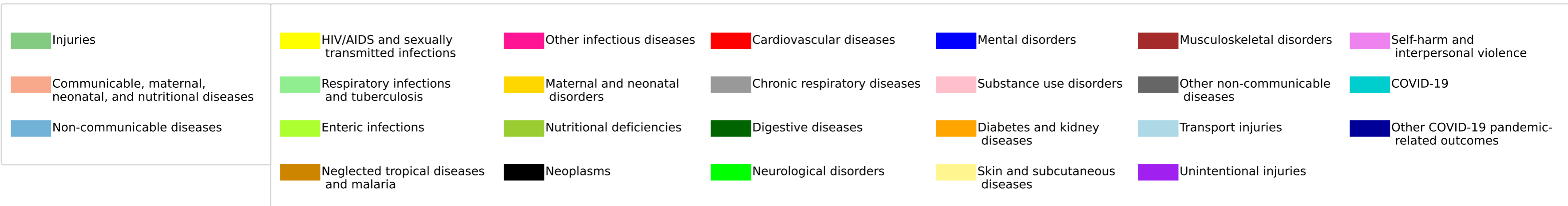
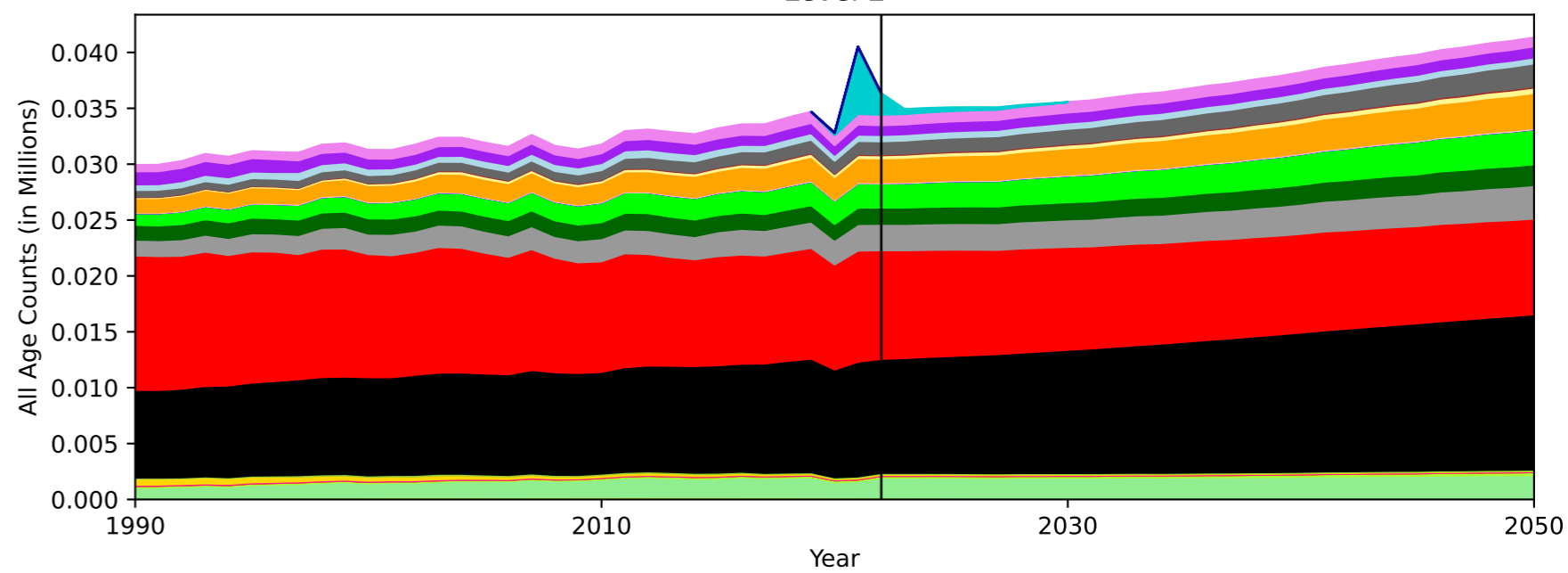
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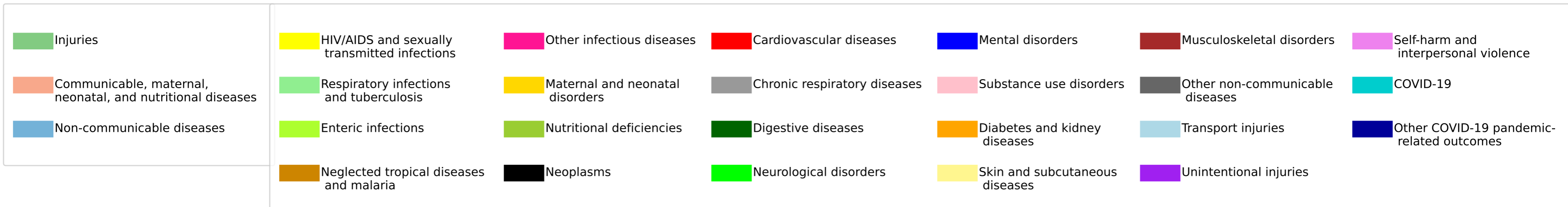
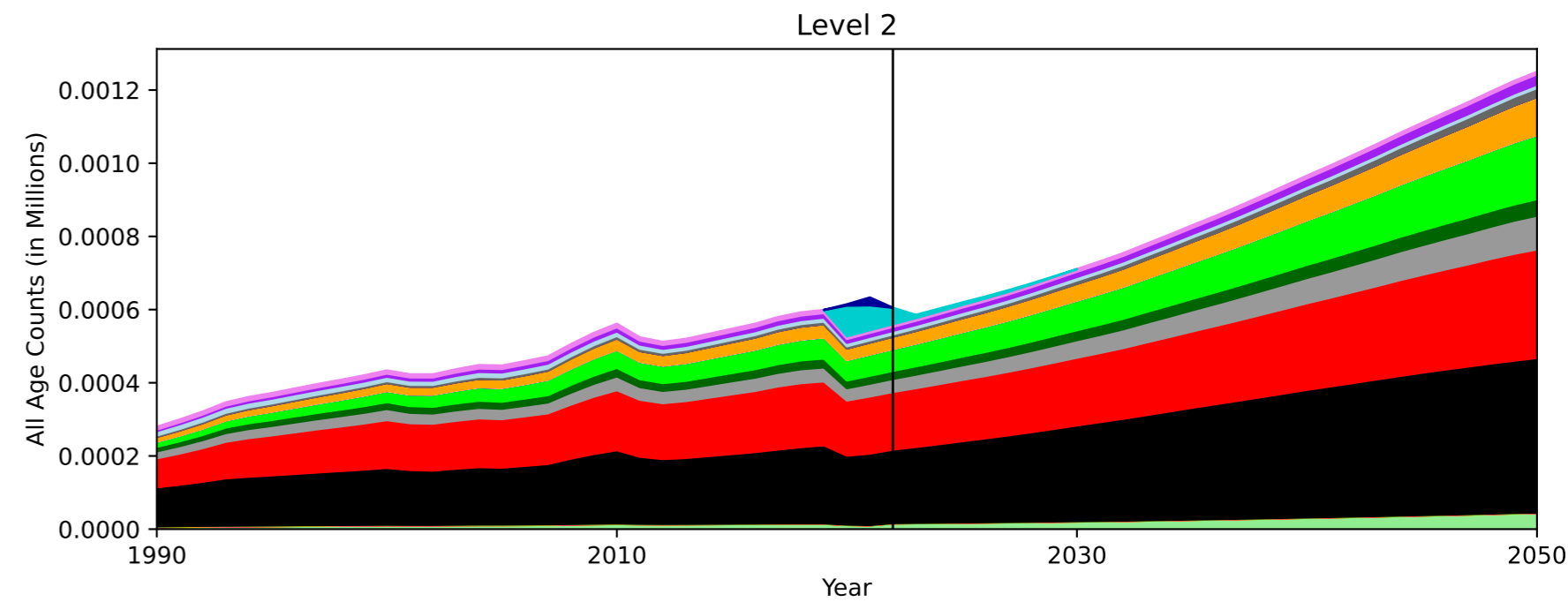
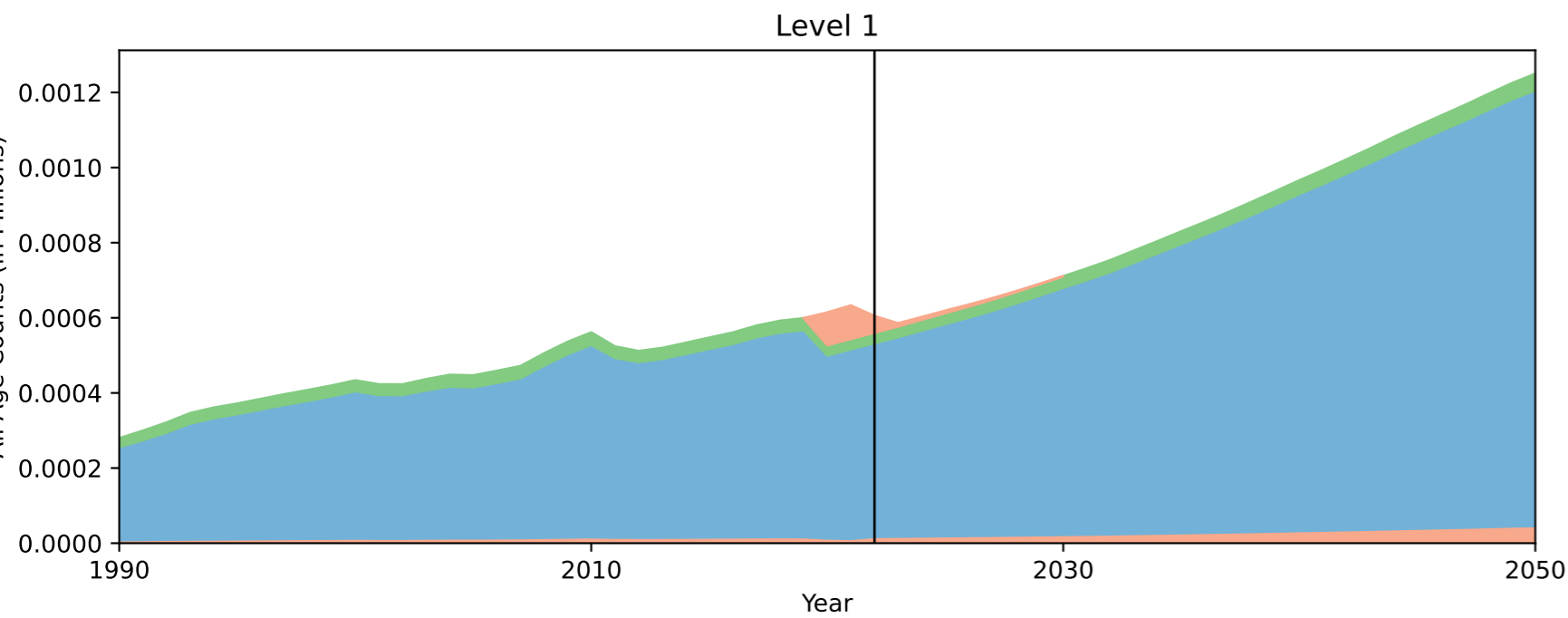
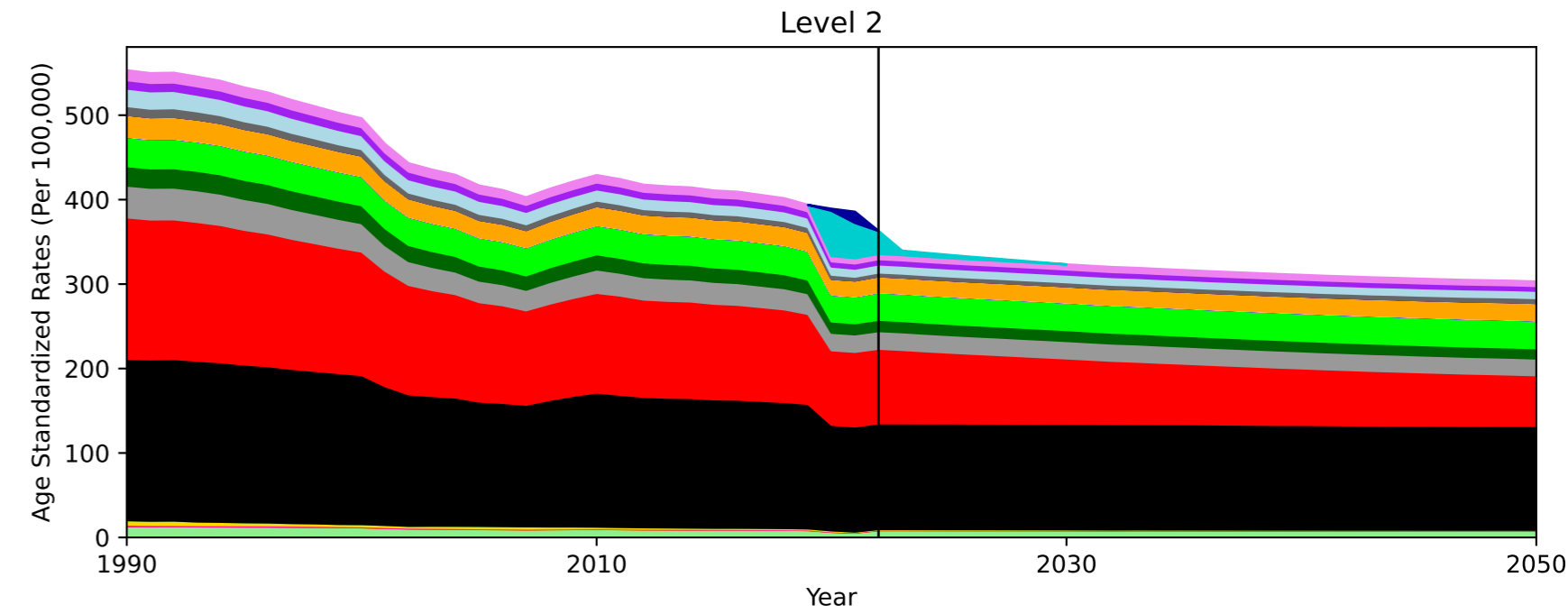
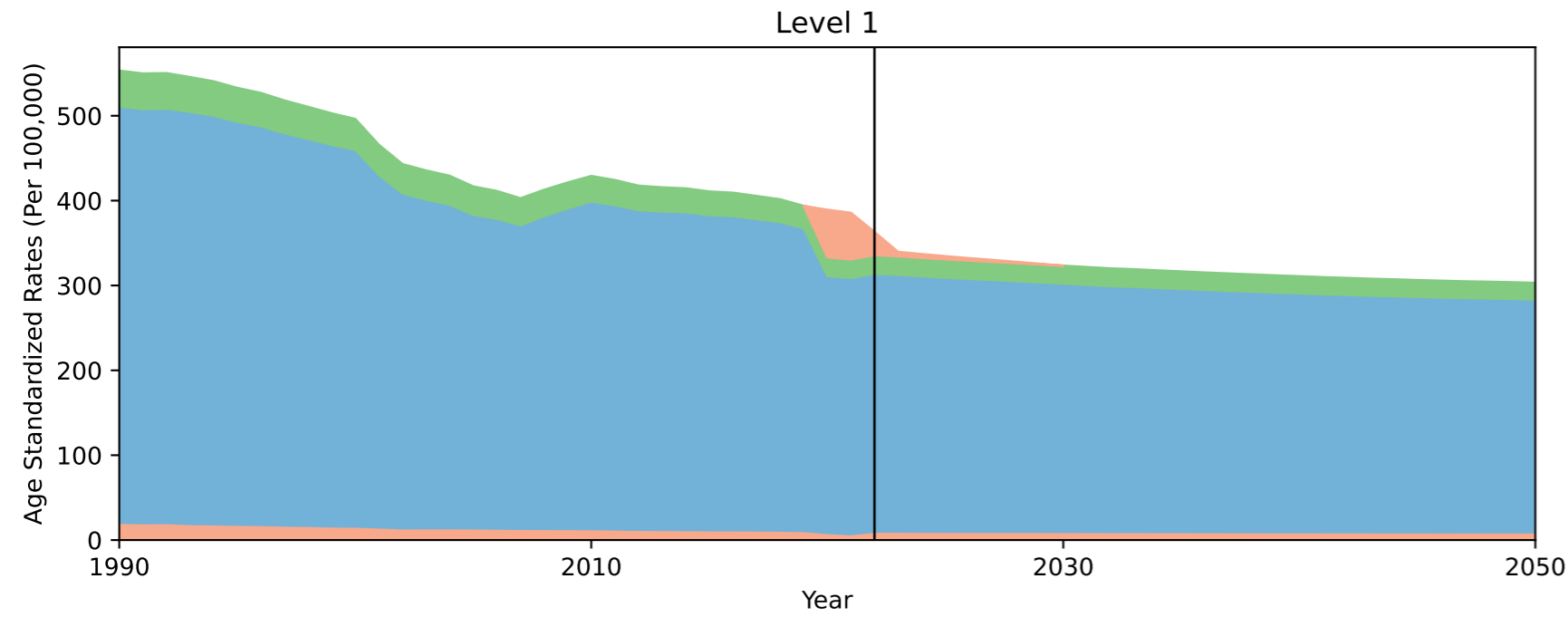


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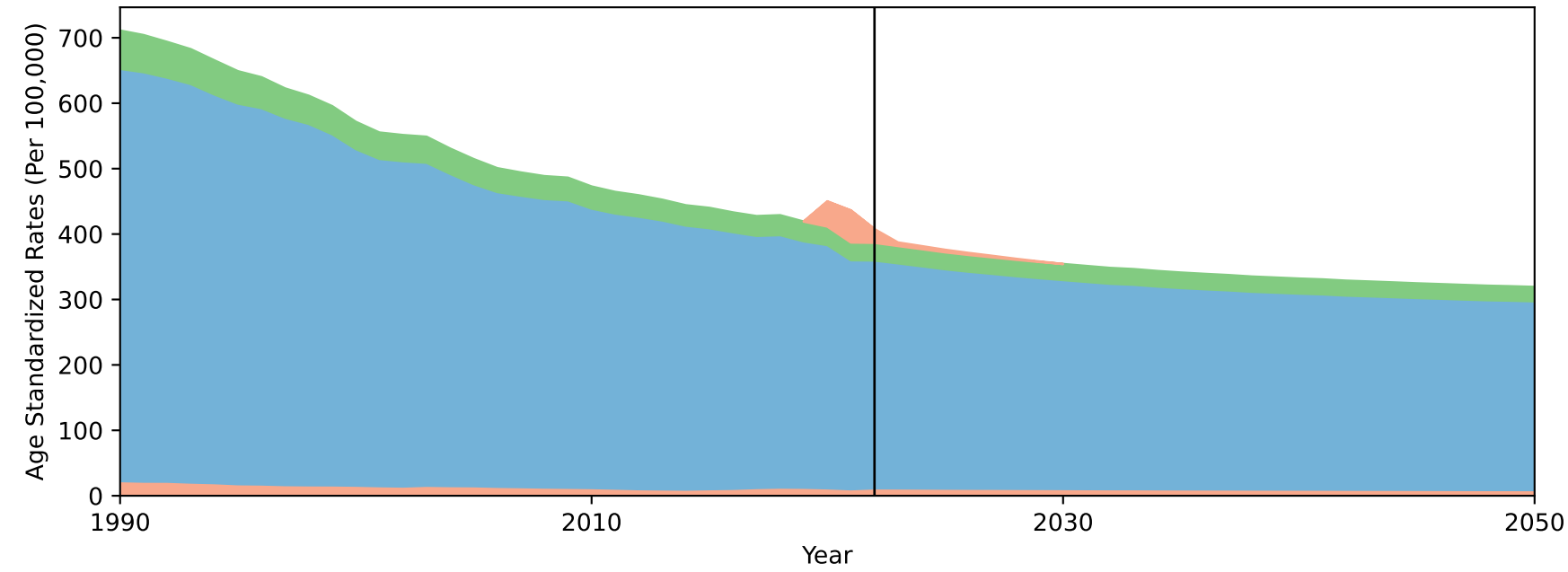
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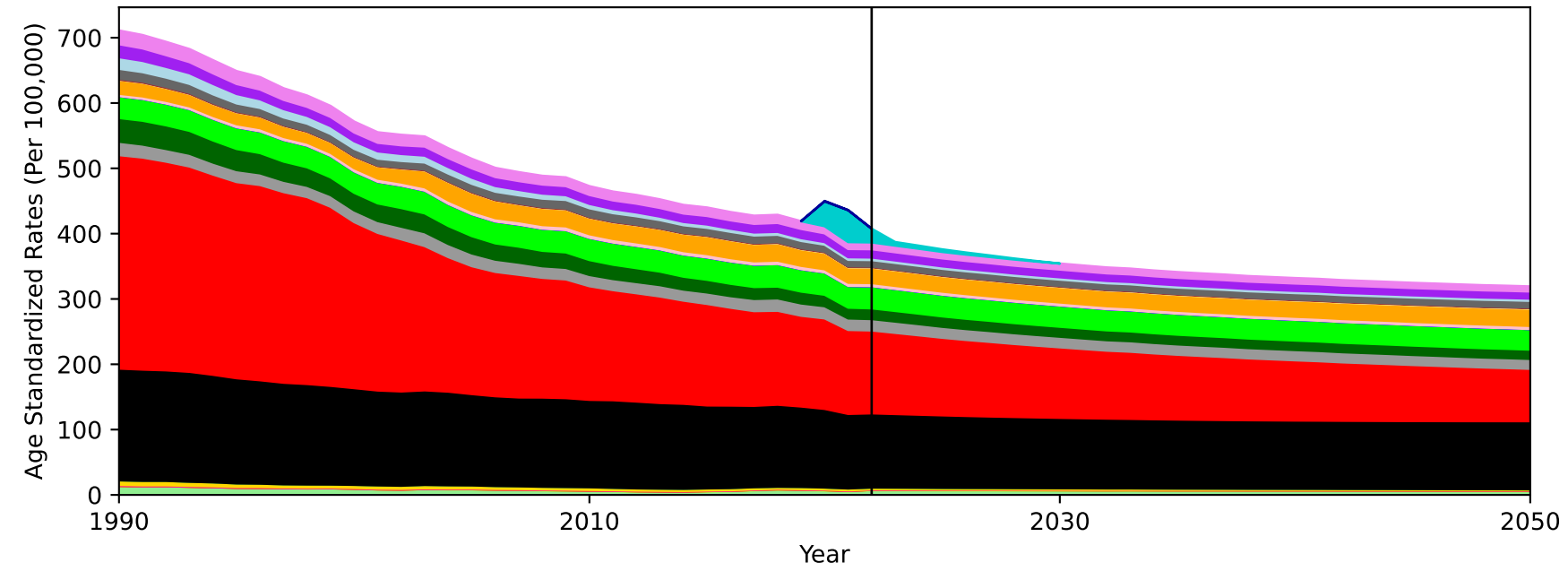




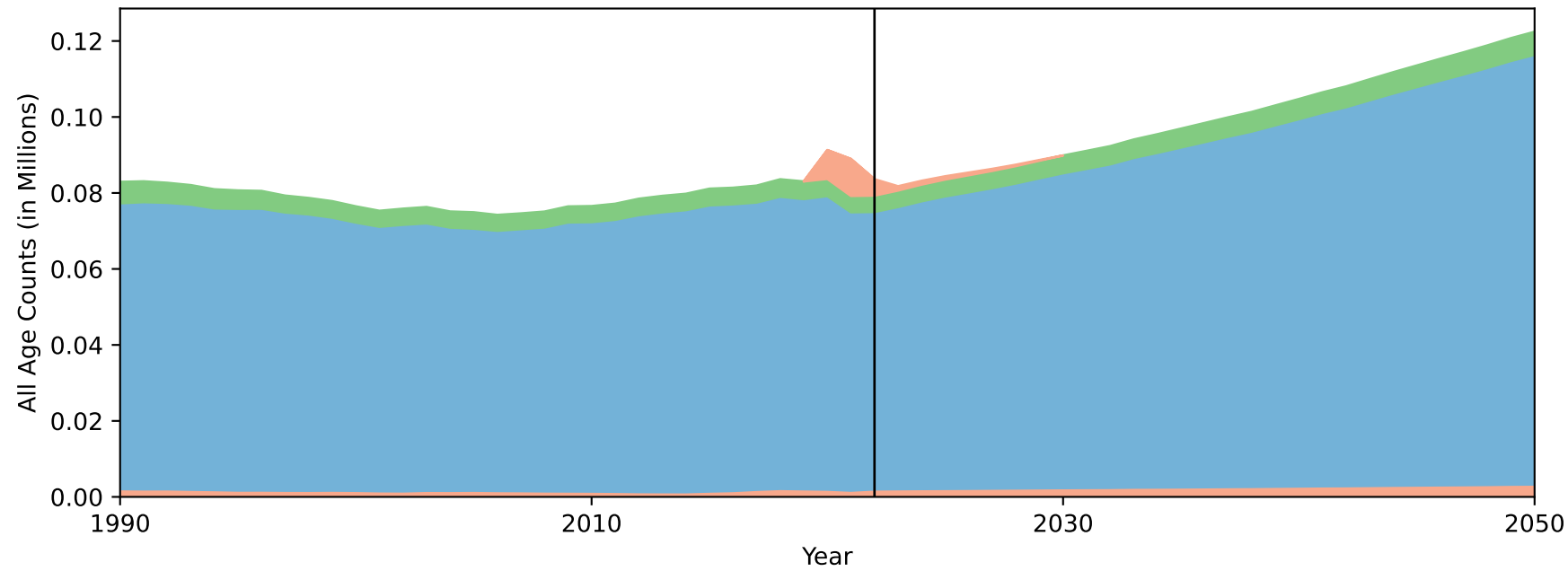
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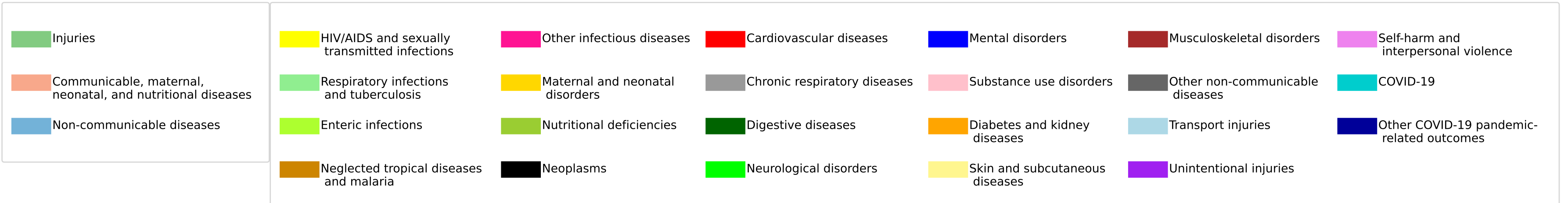
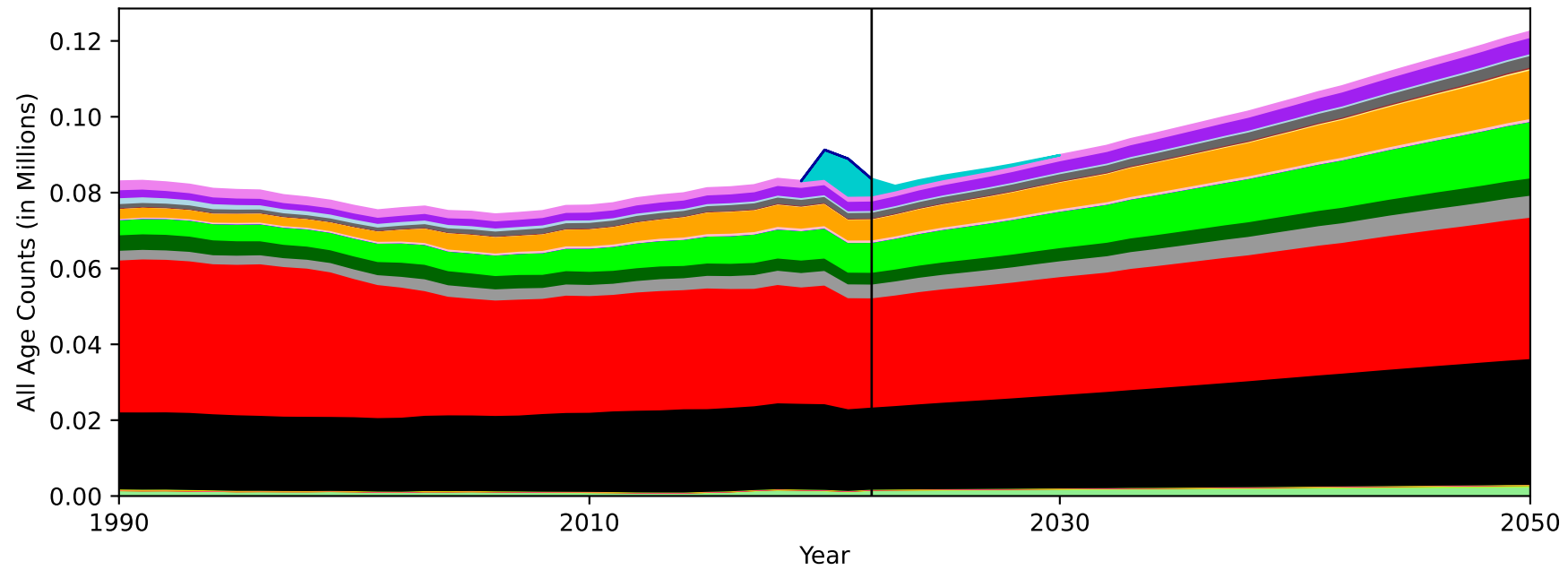
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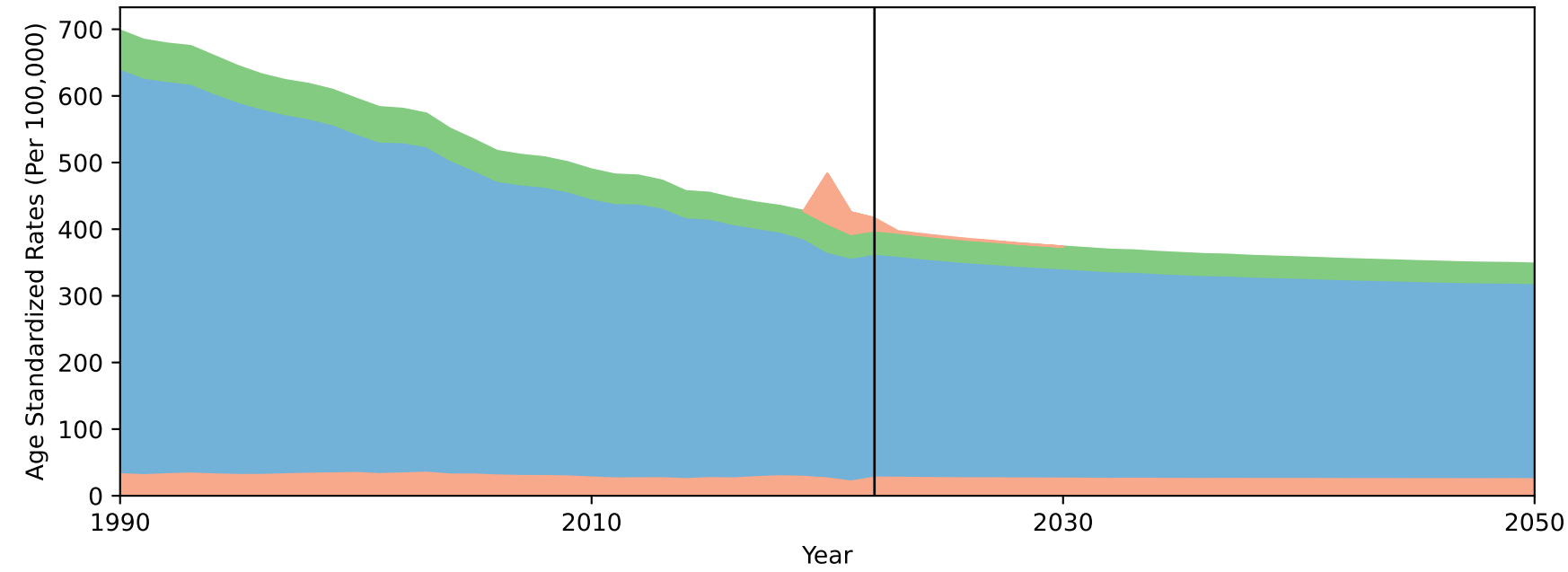


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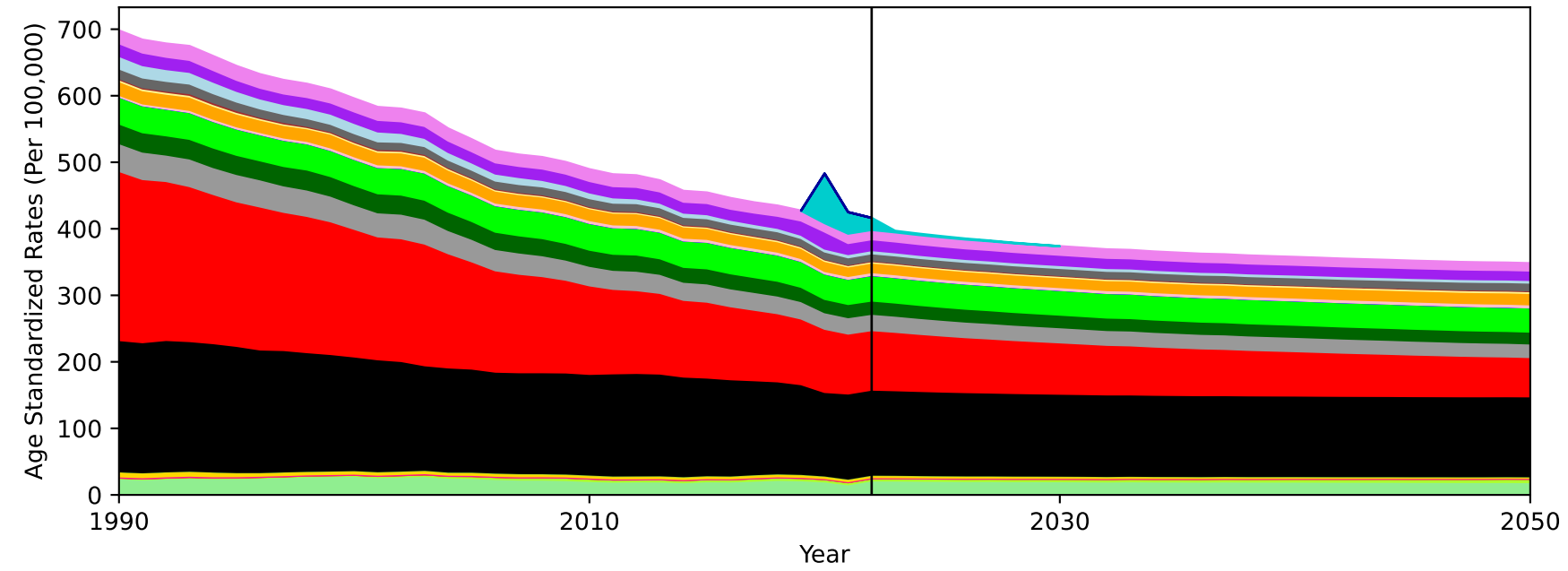


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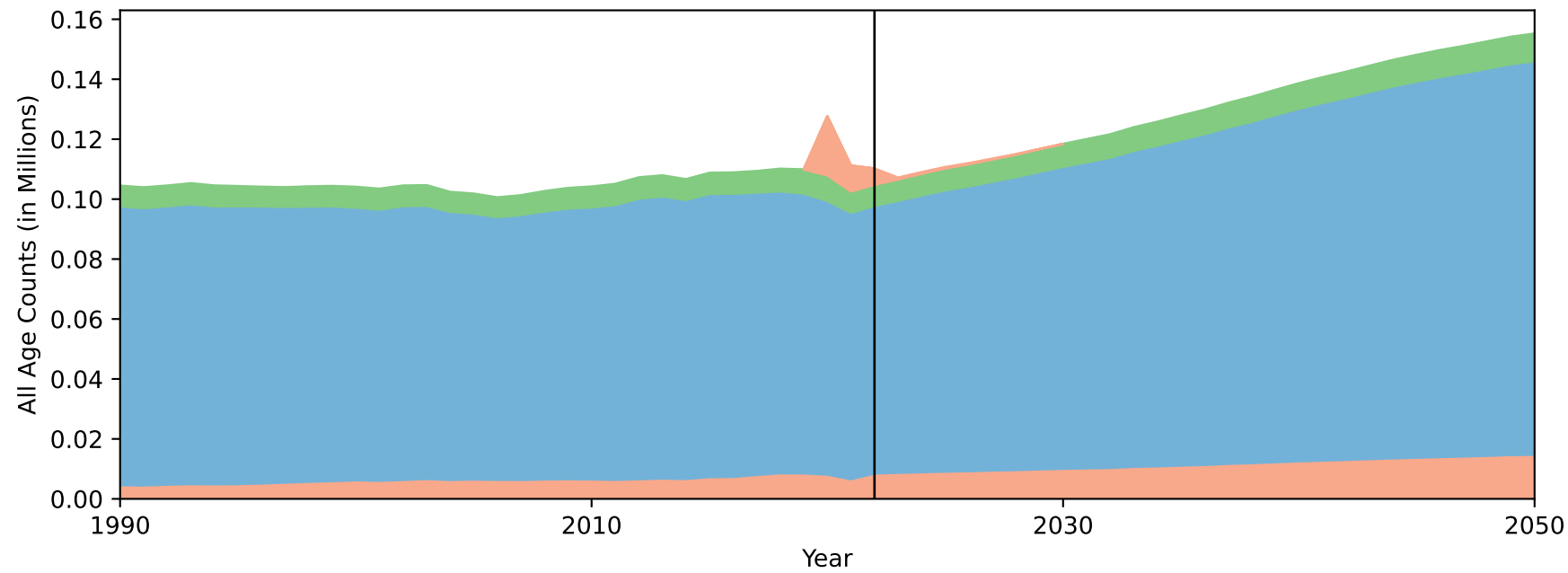
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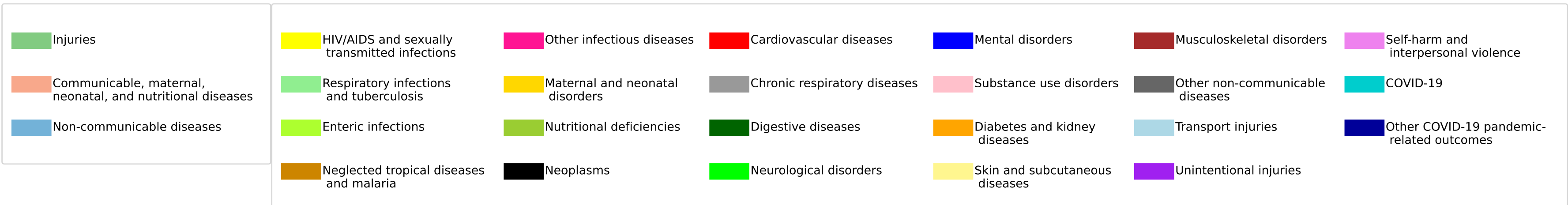
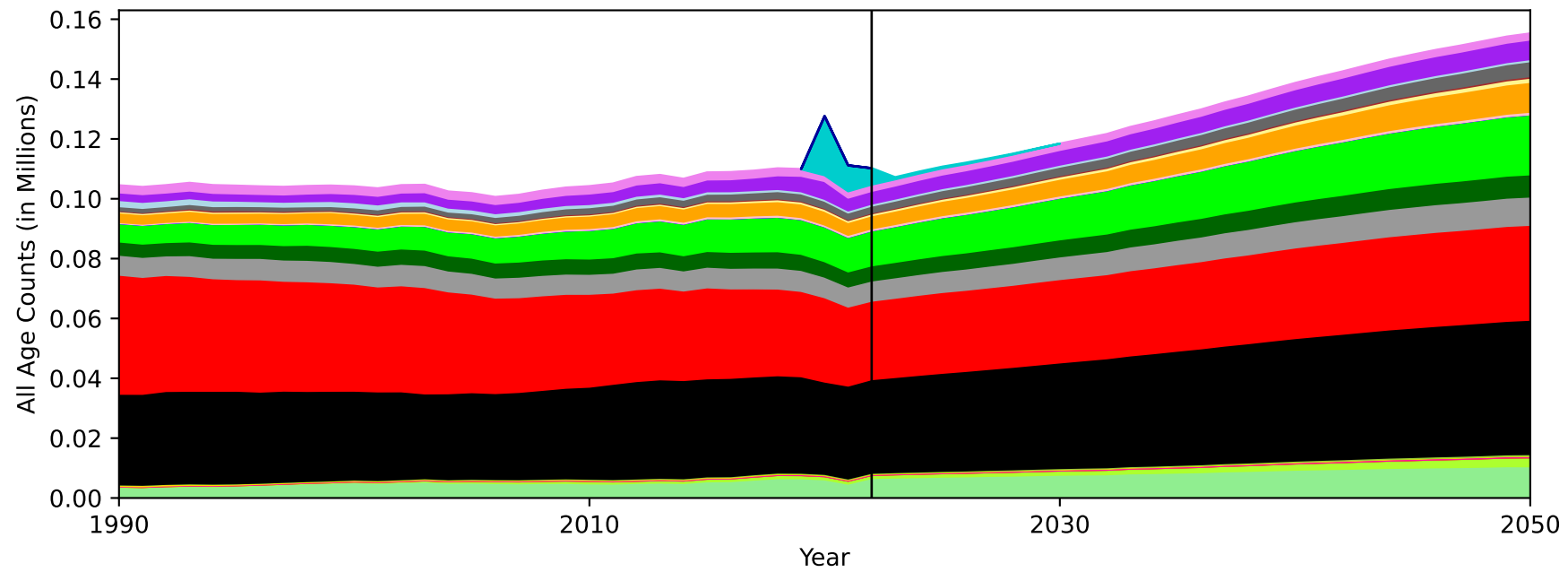
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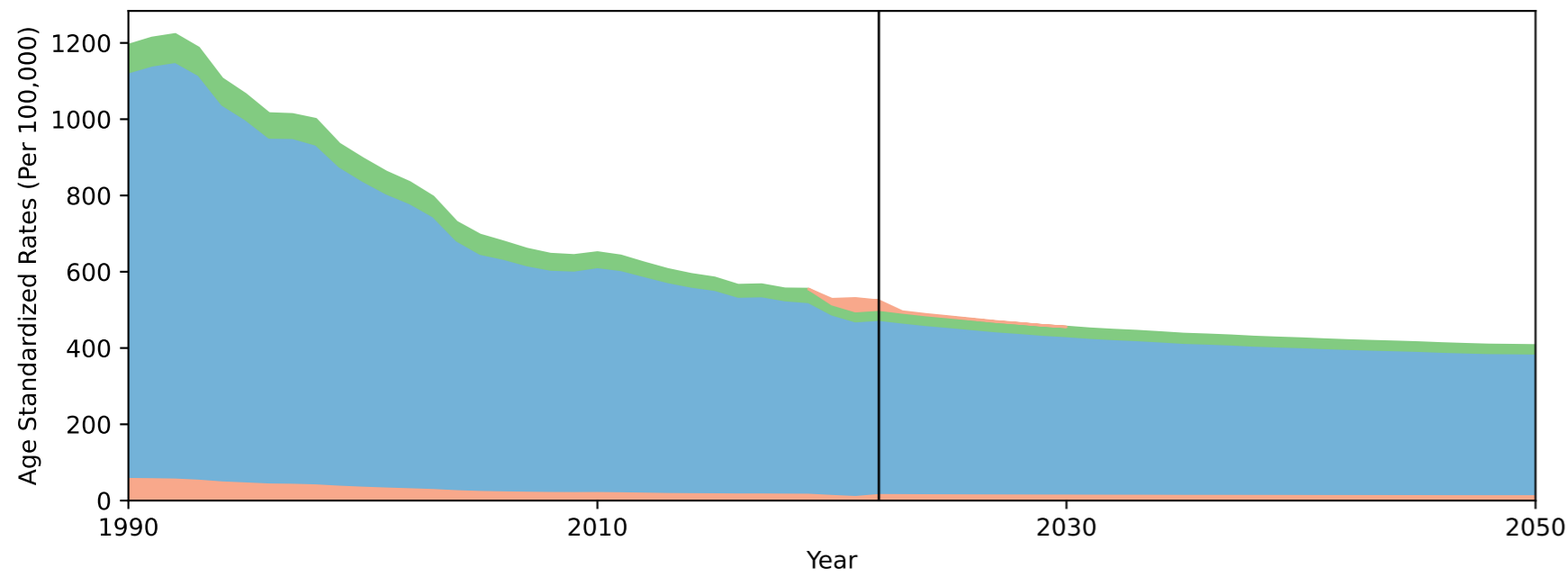


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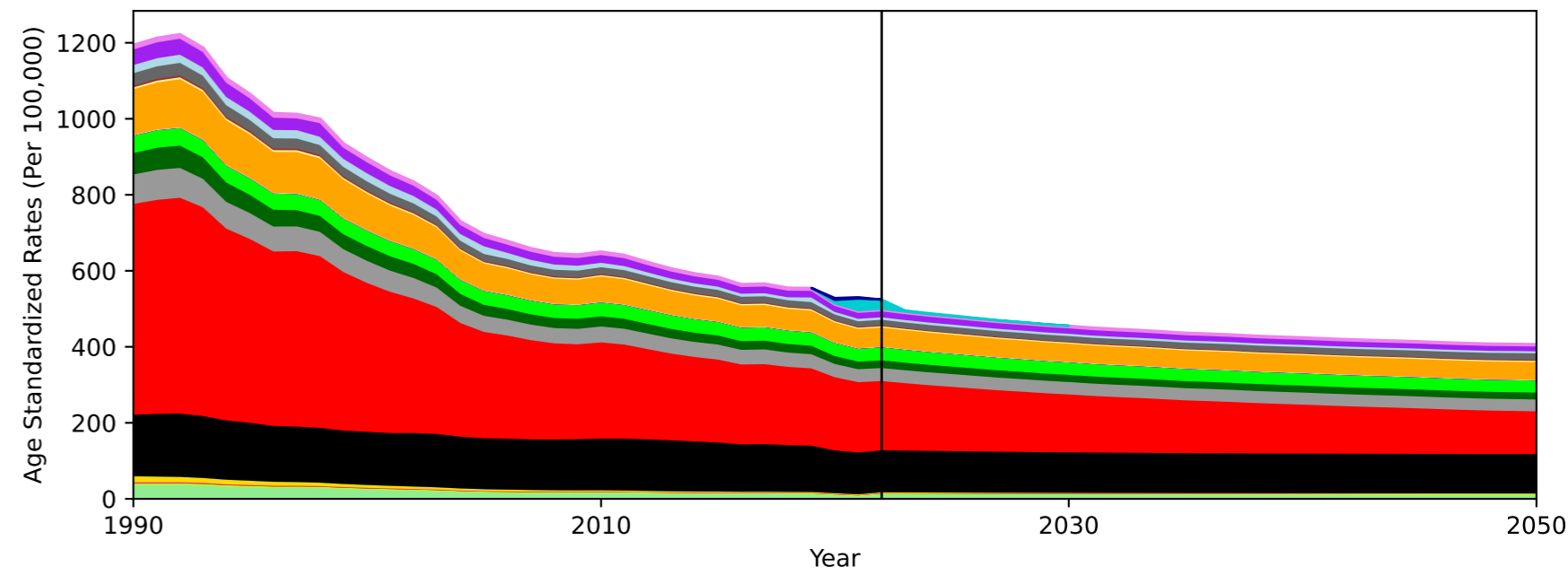


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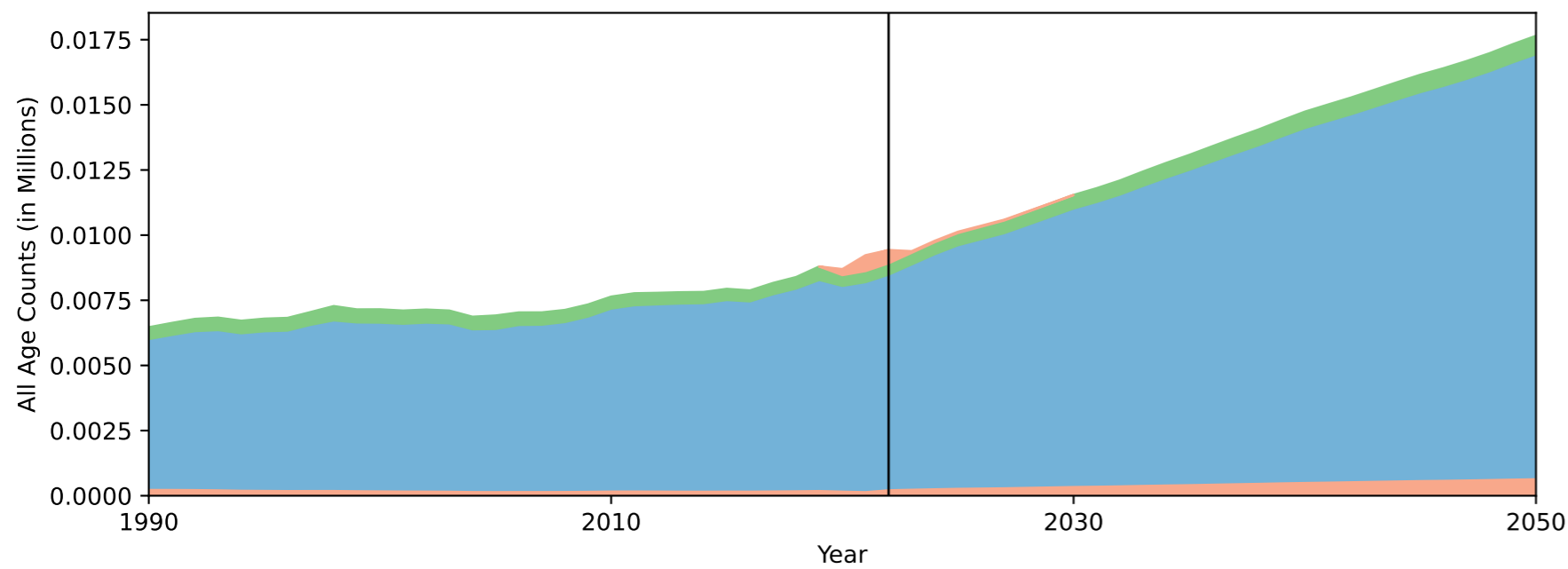
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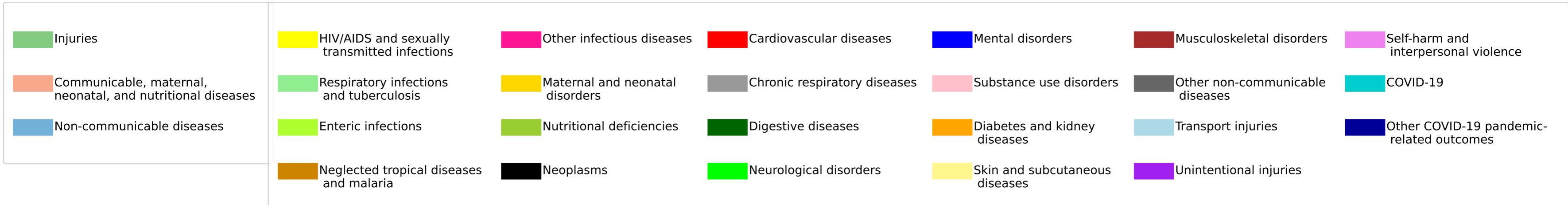
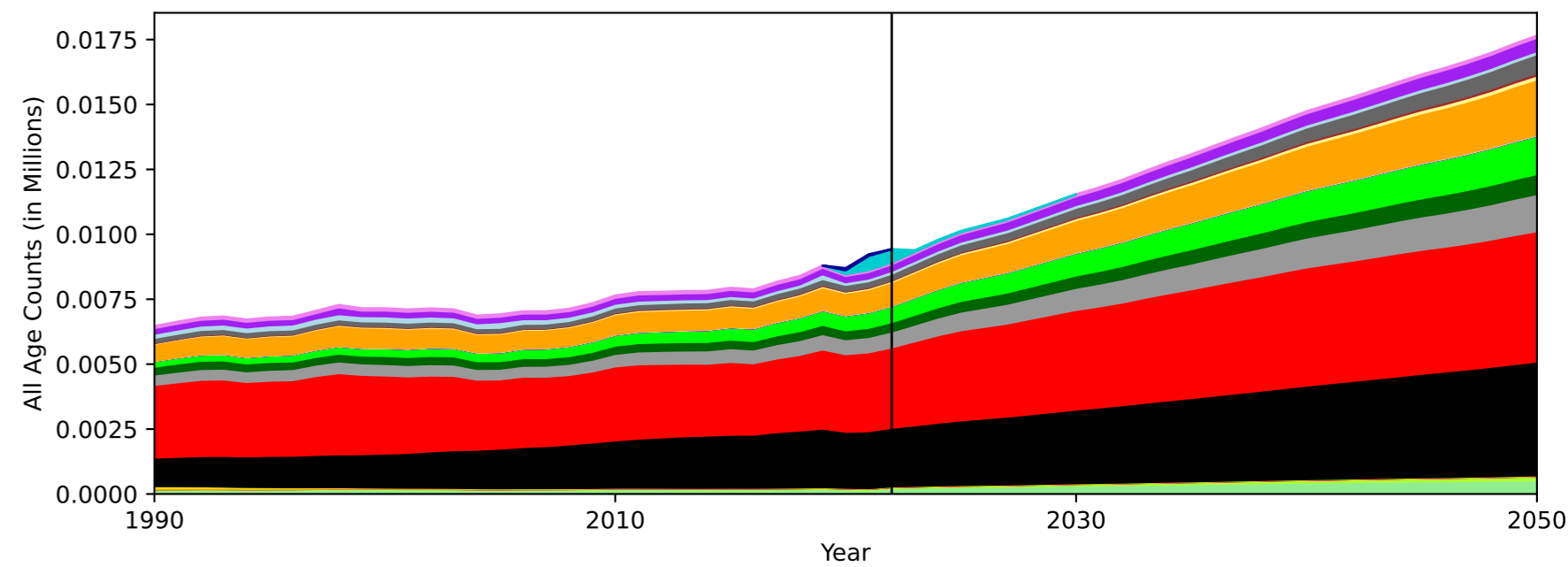
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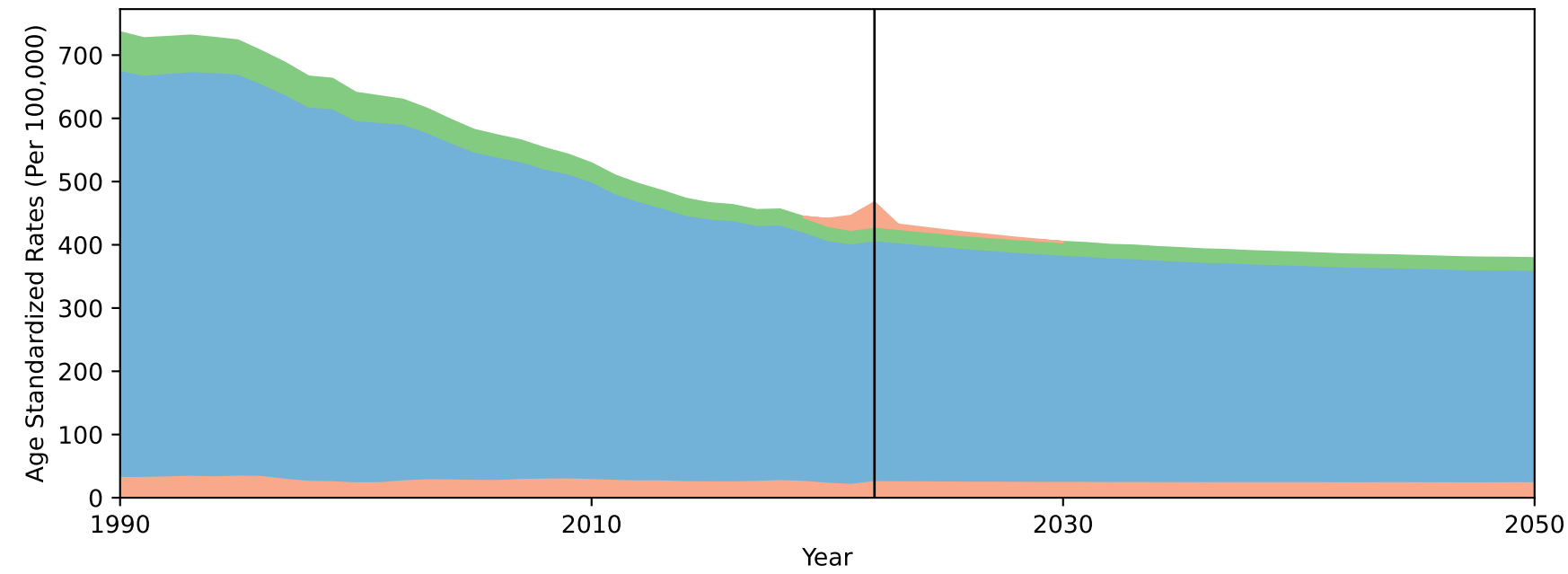


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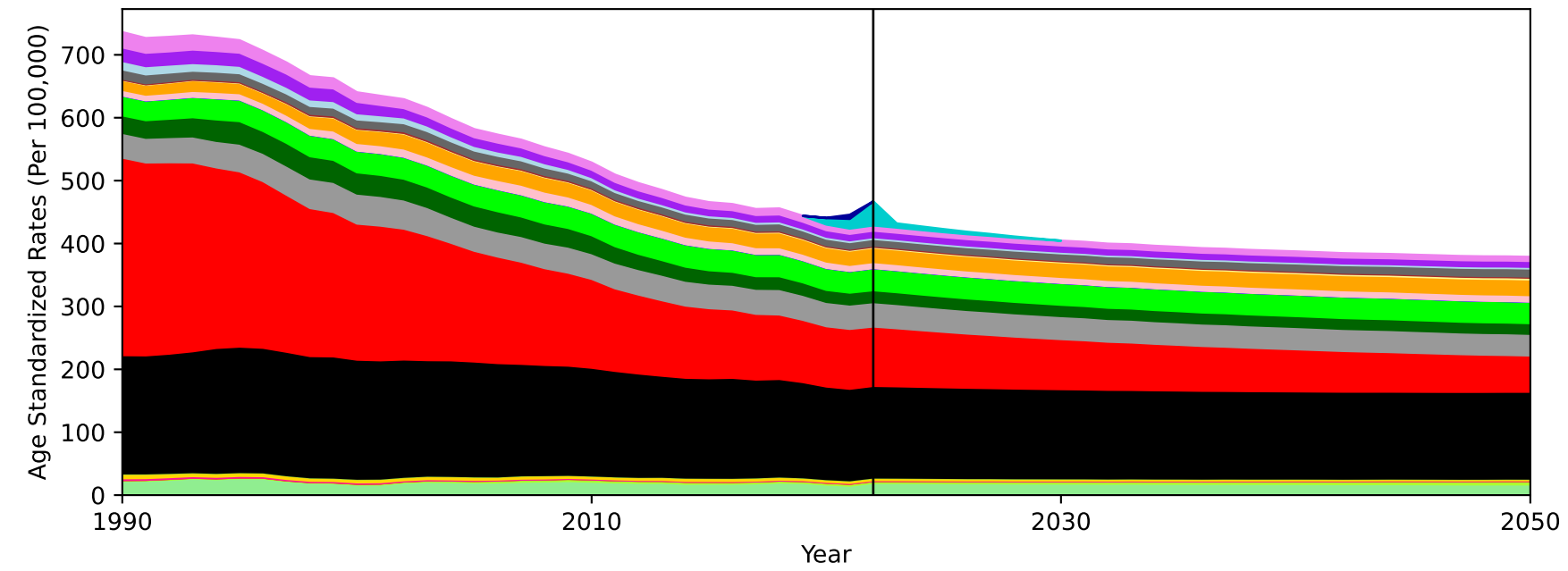


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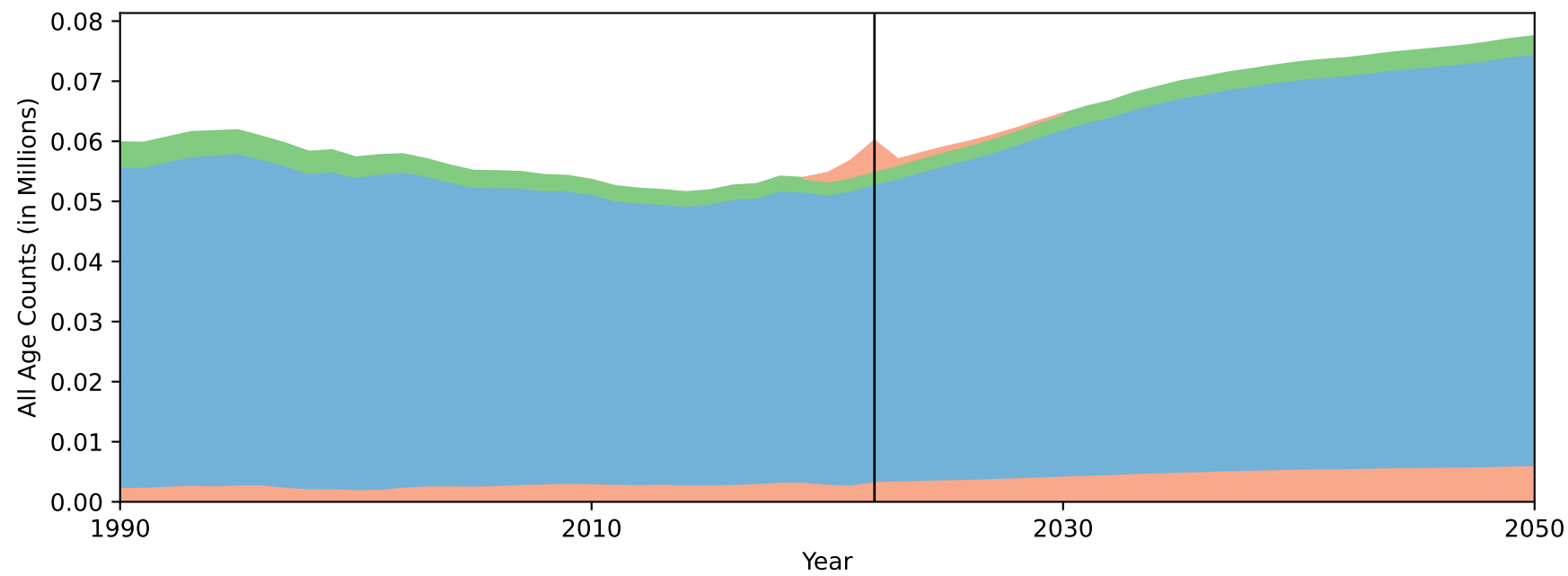
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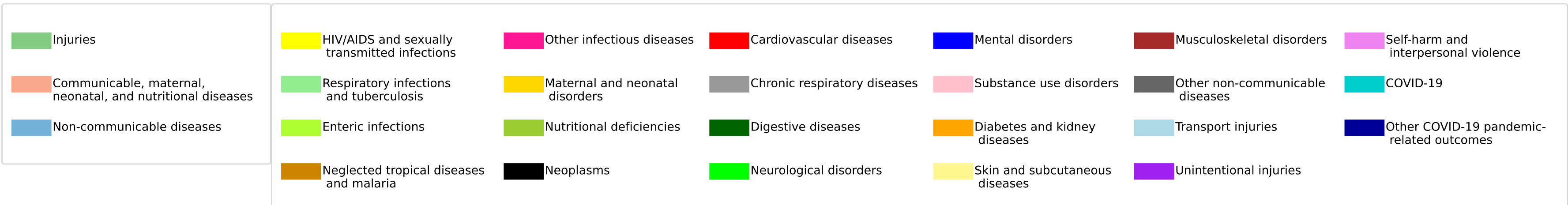
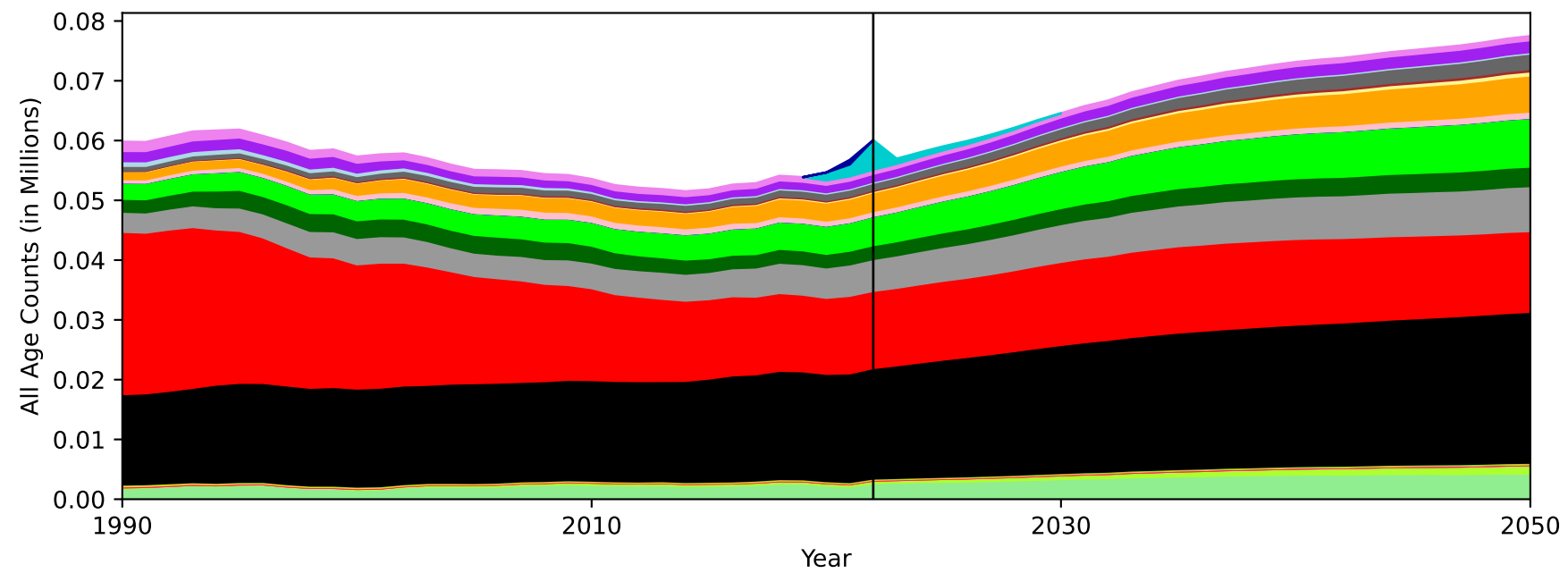
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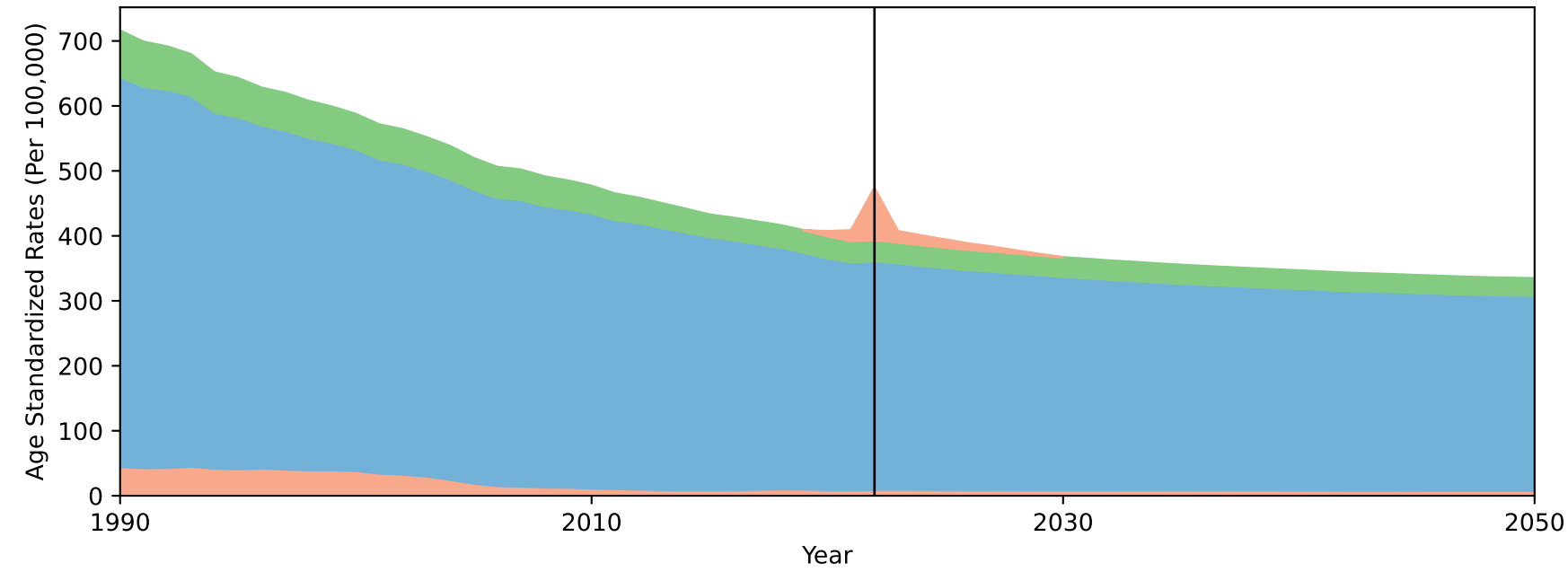
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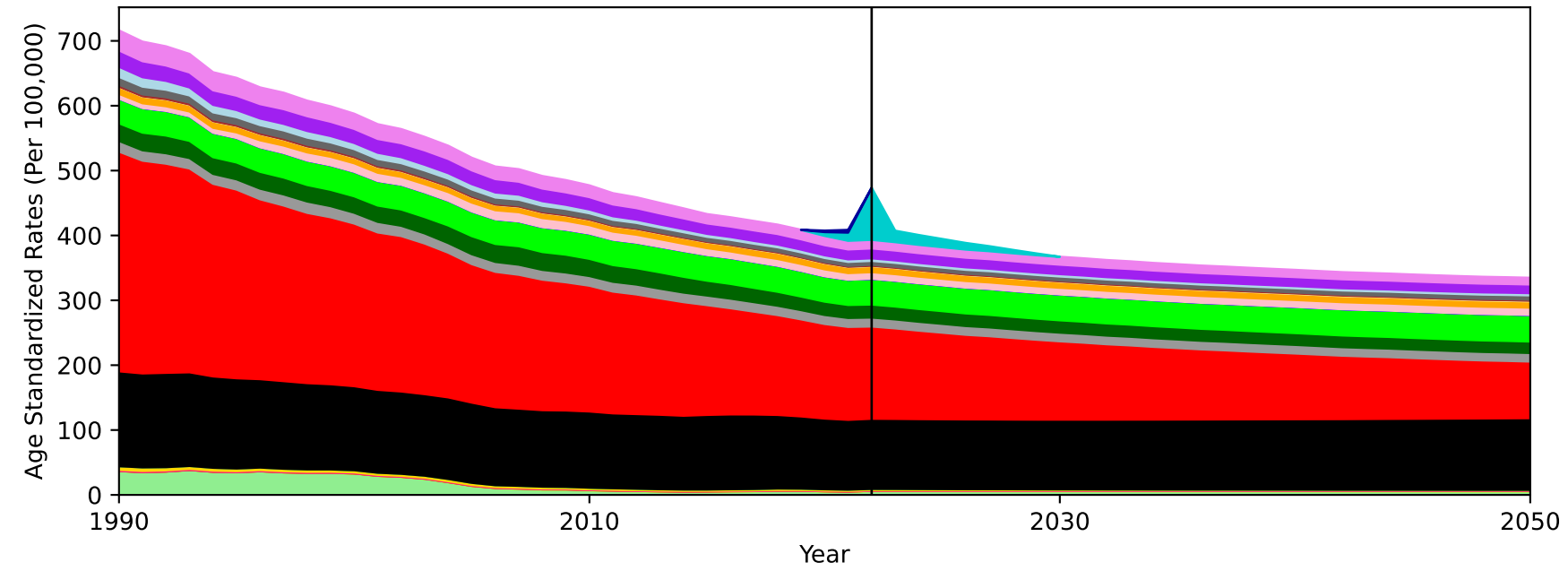
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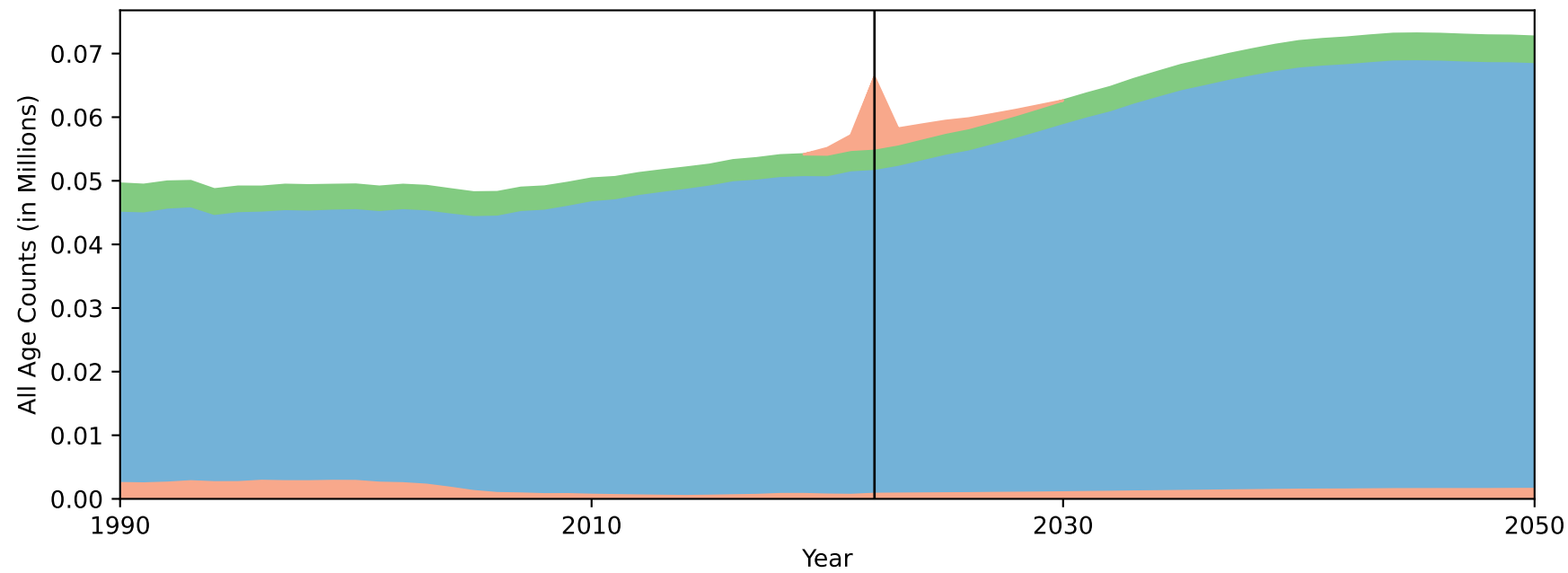
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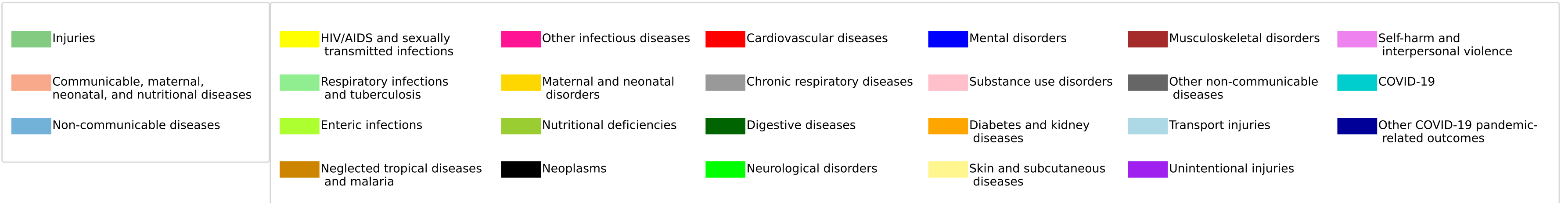
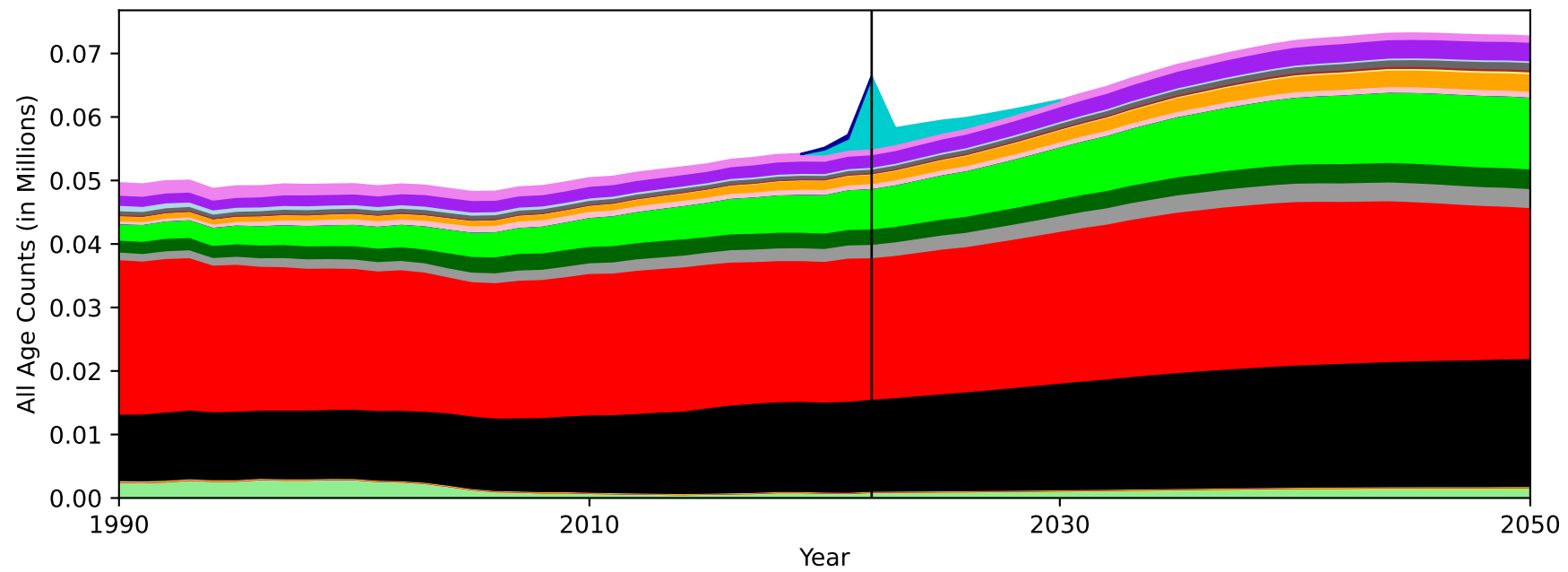
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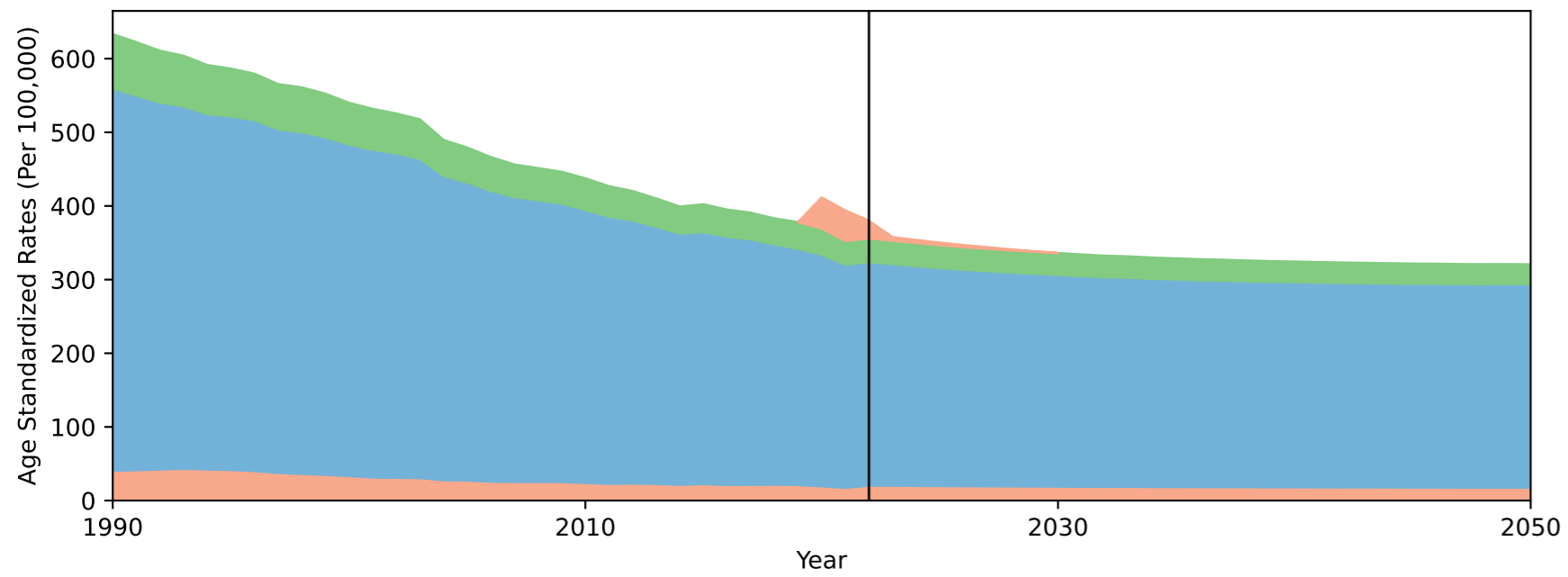
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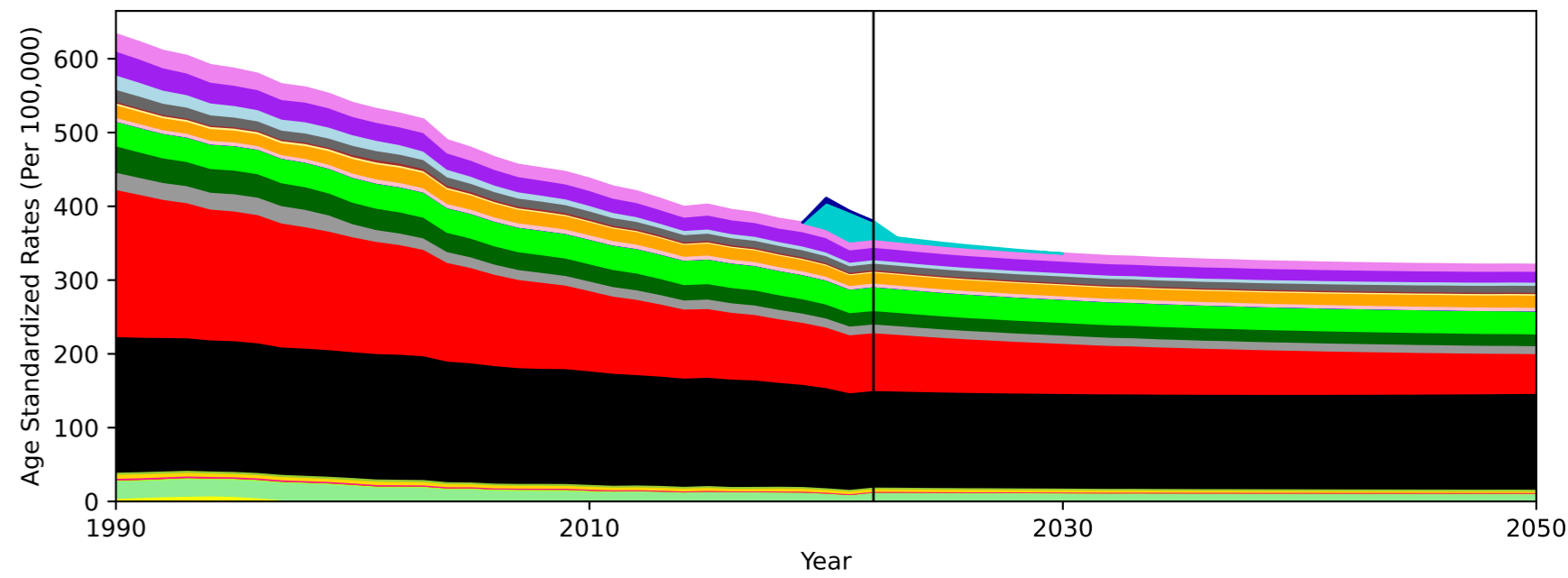
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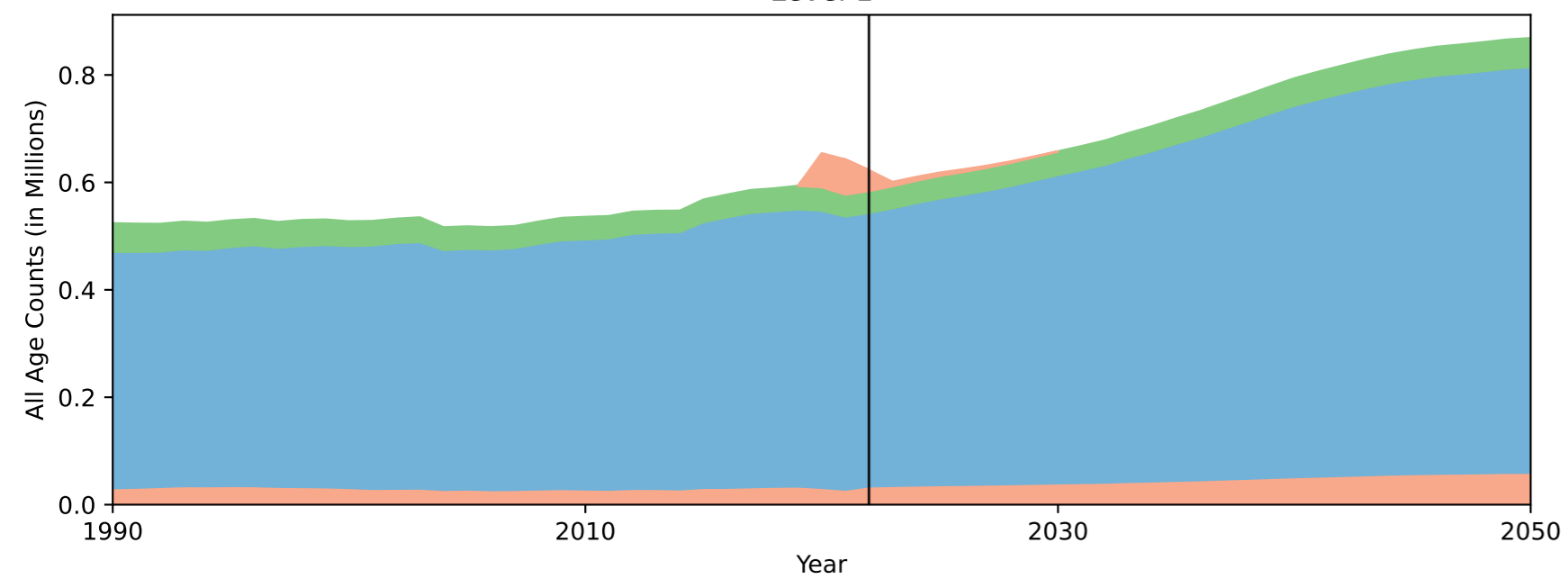
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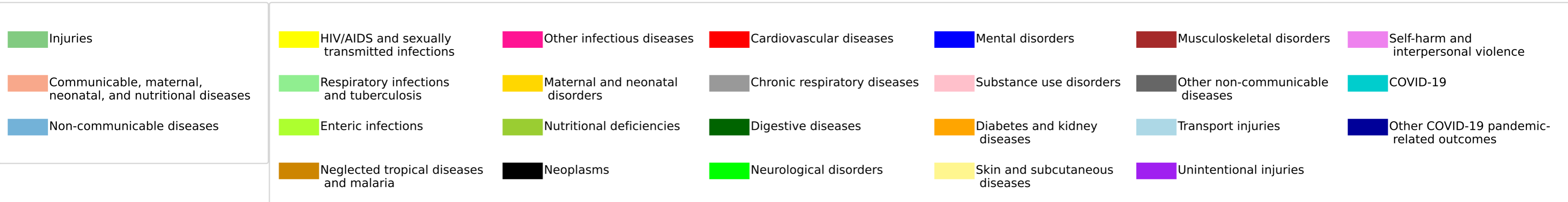
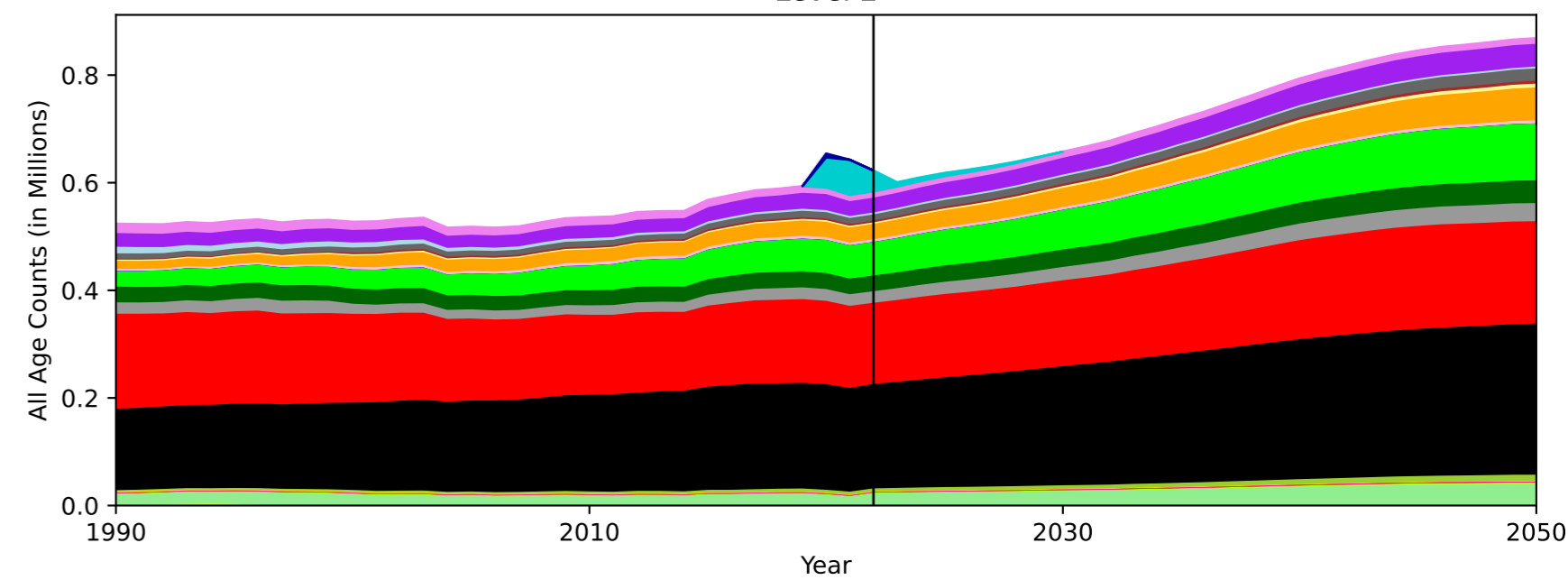
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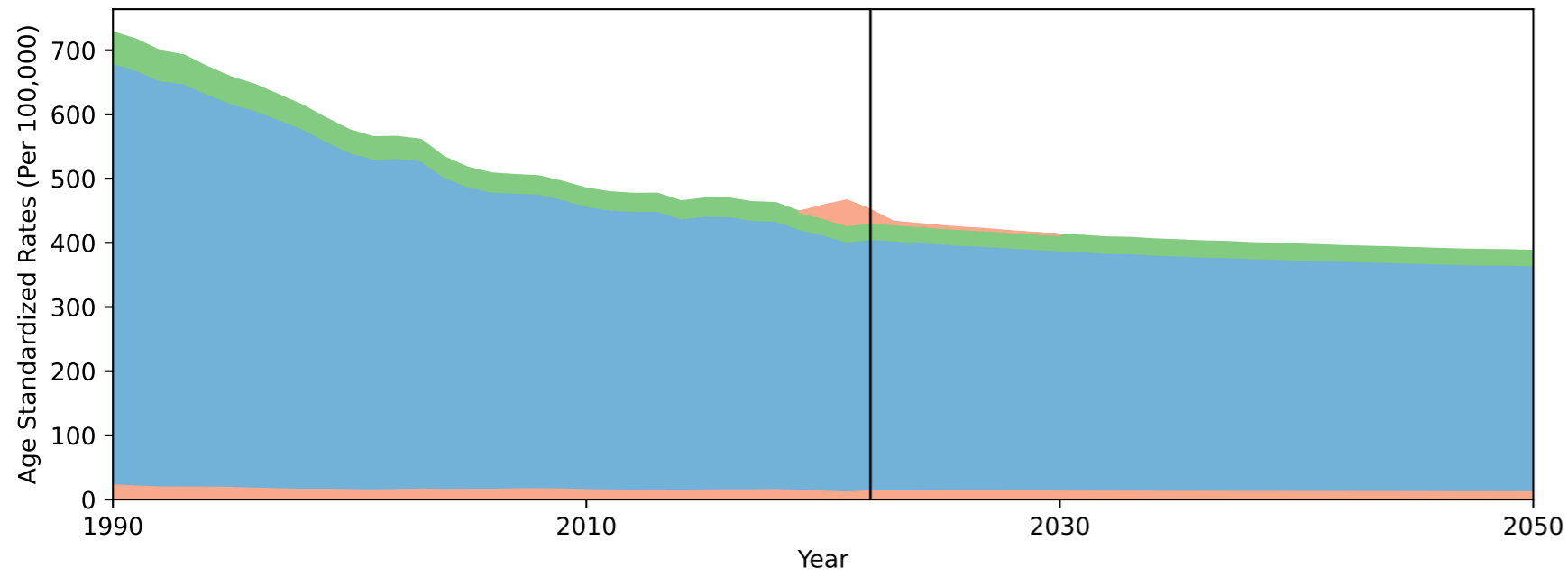


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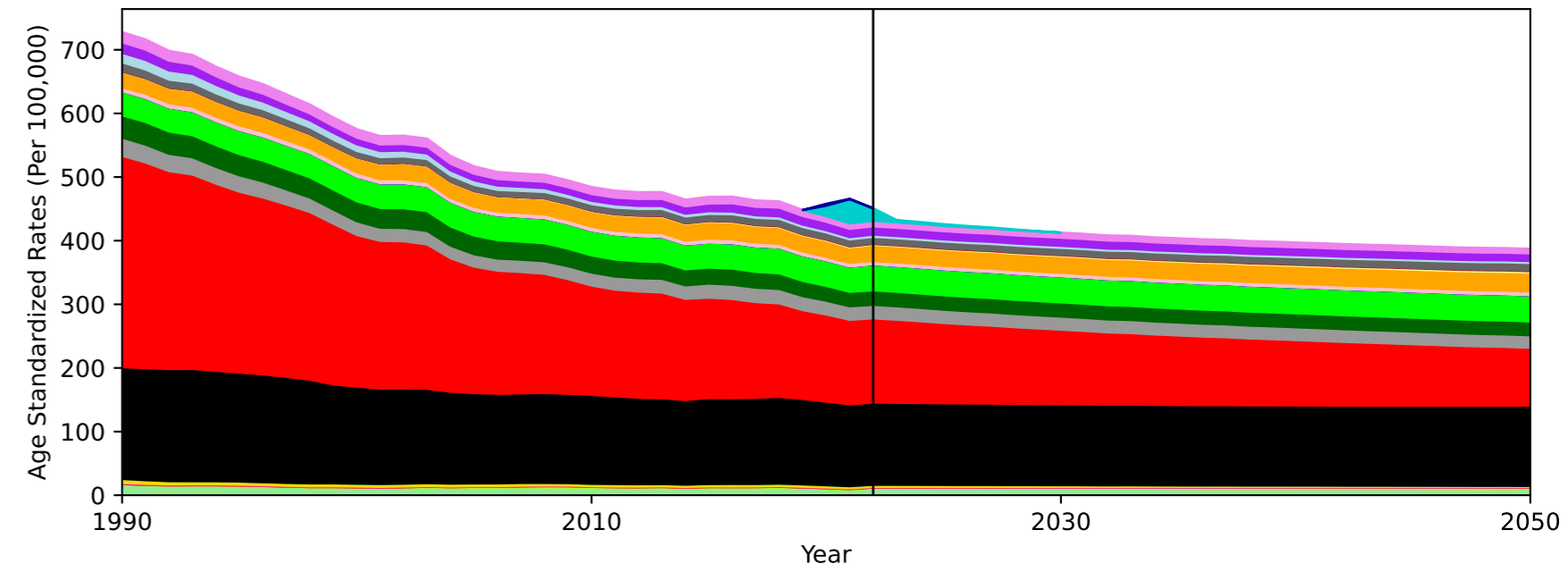


# Germany

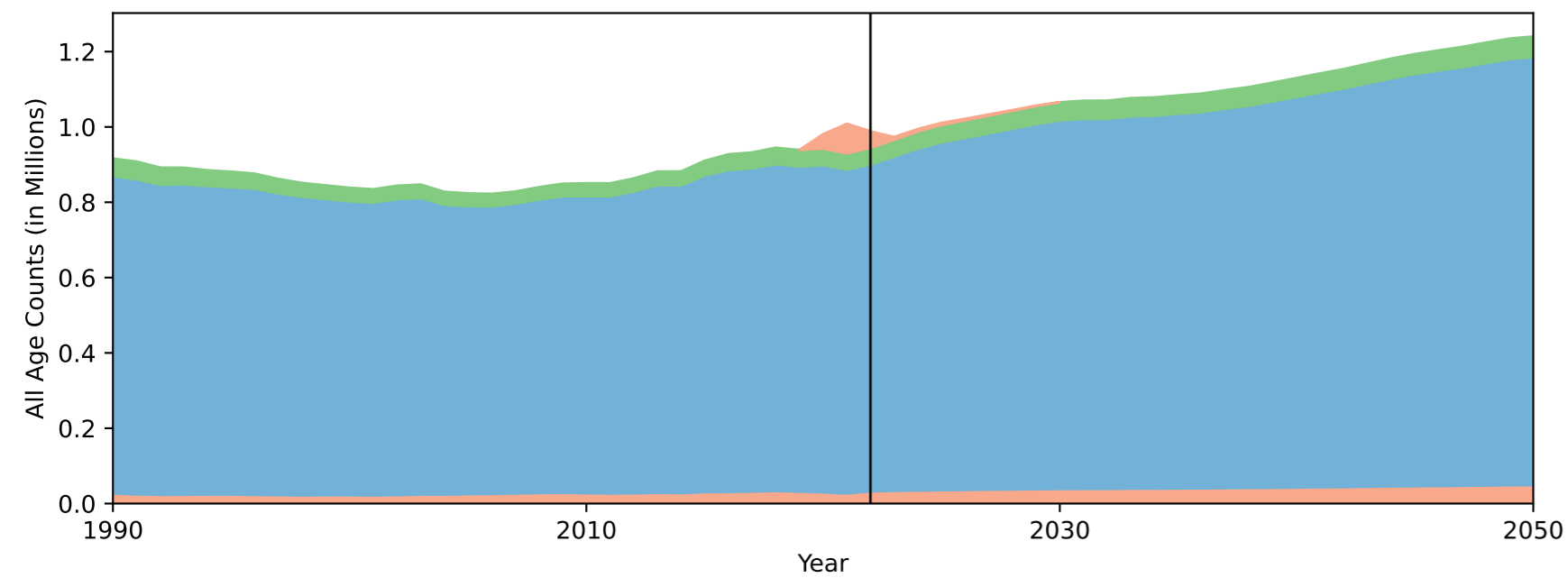
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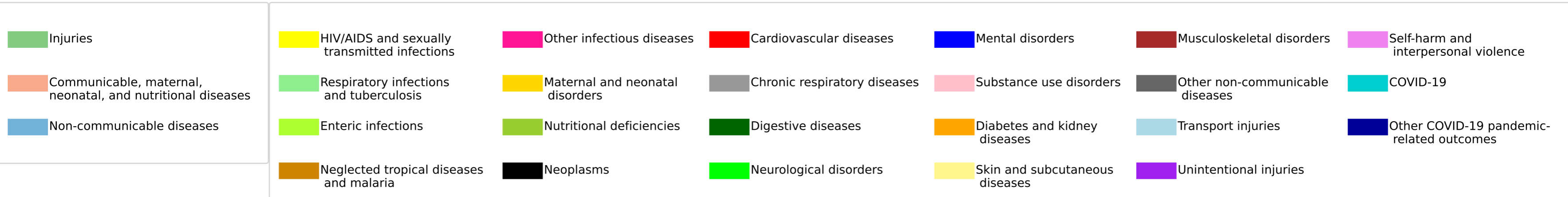
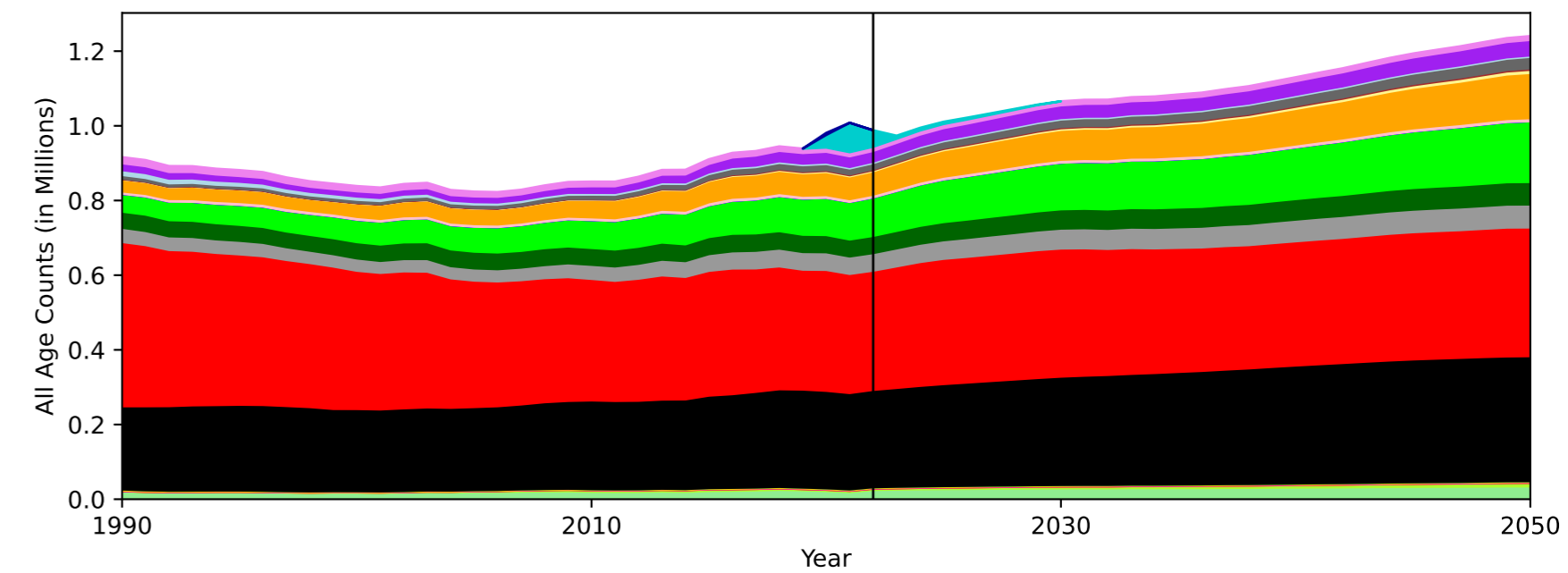
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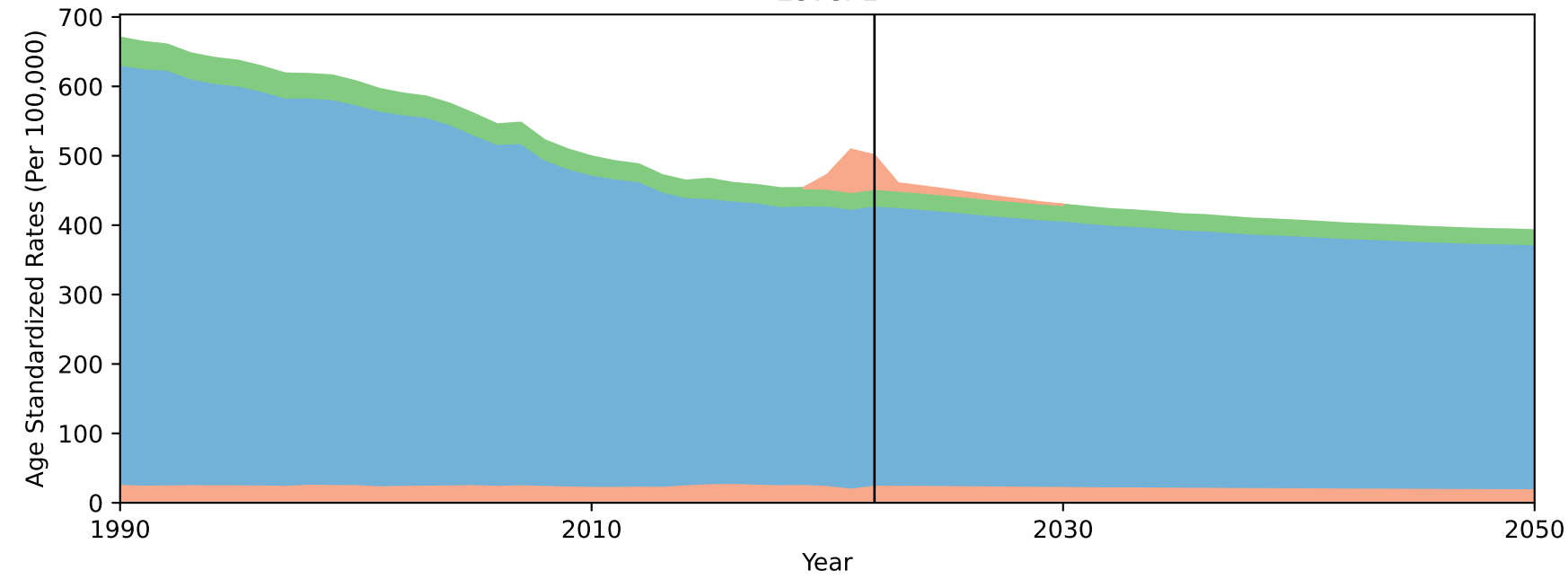


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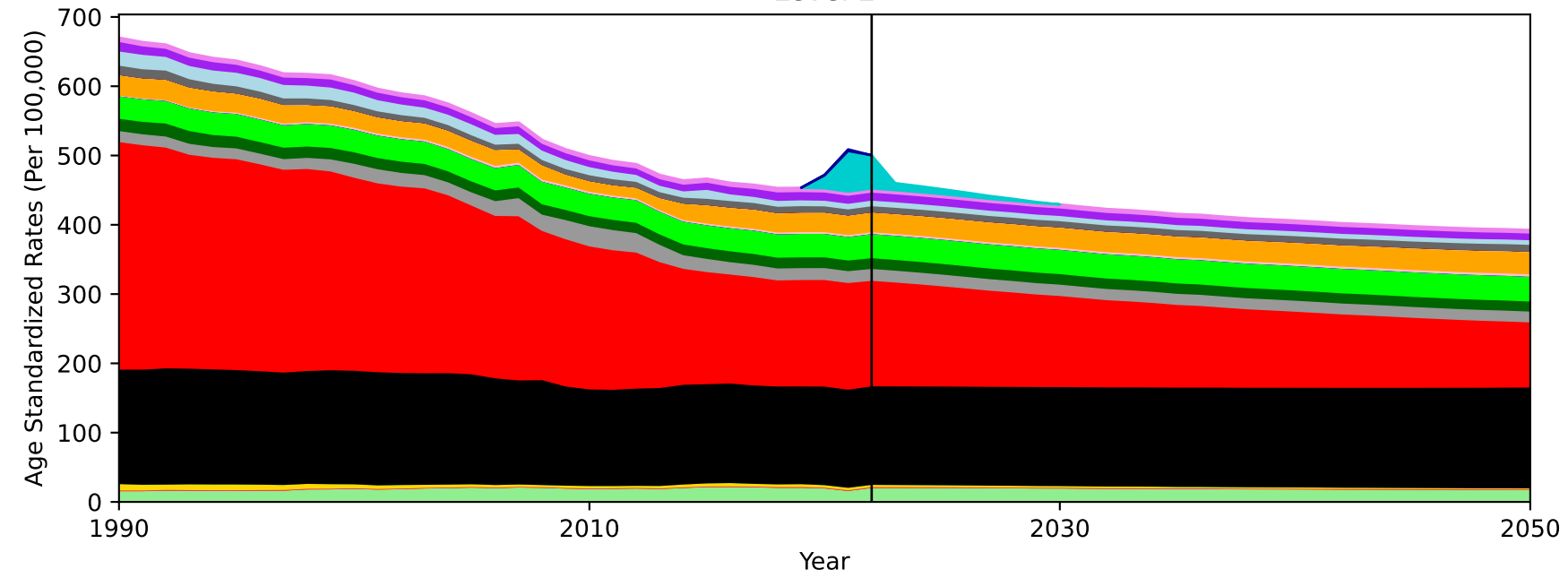


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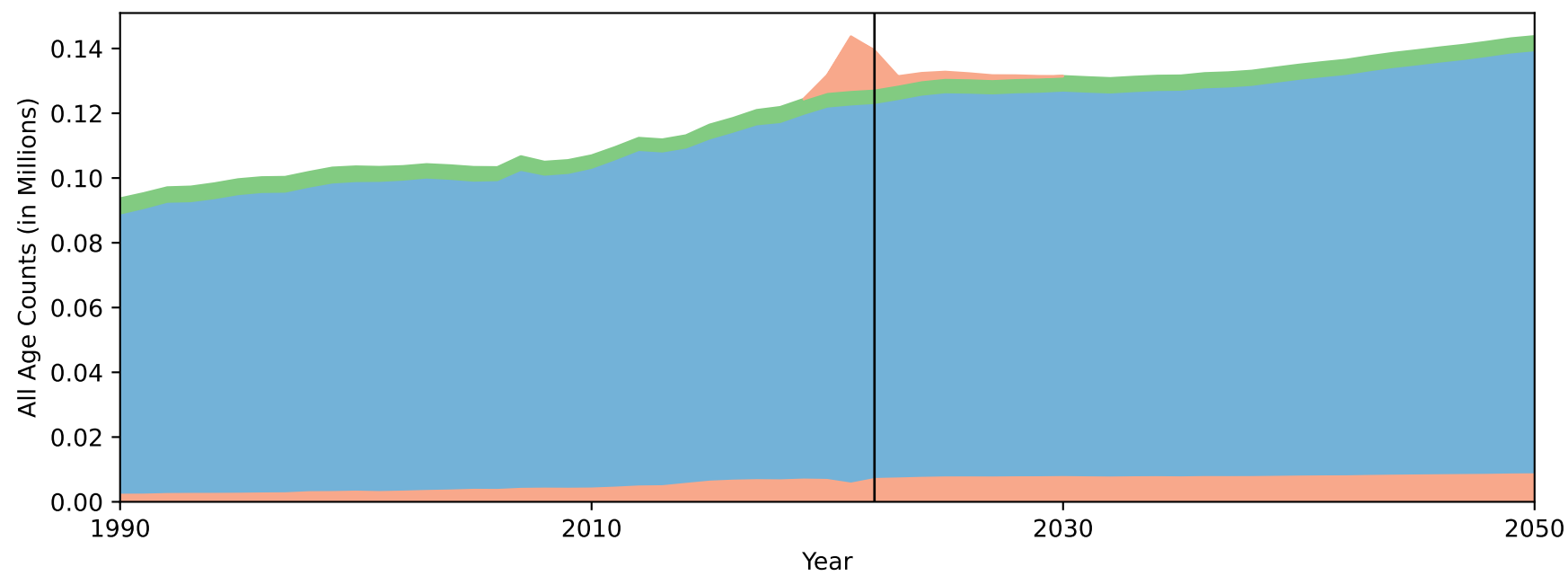
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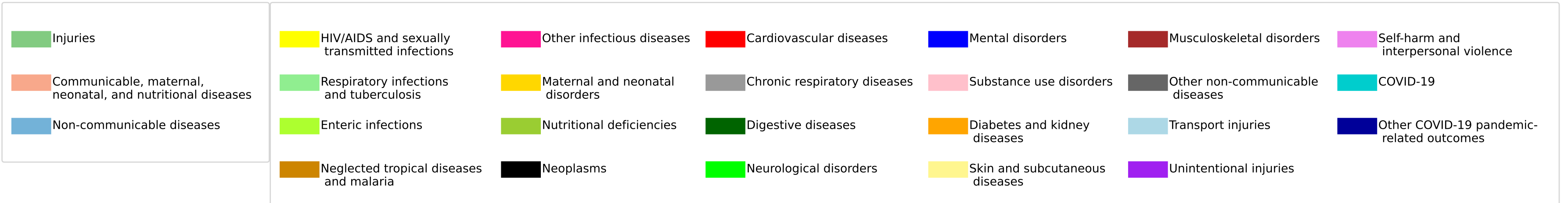
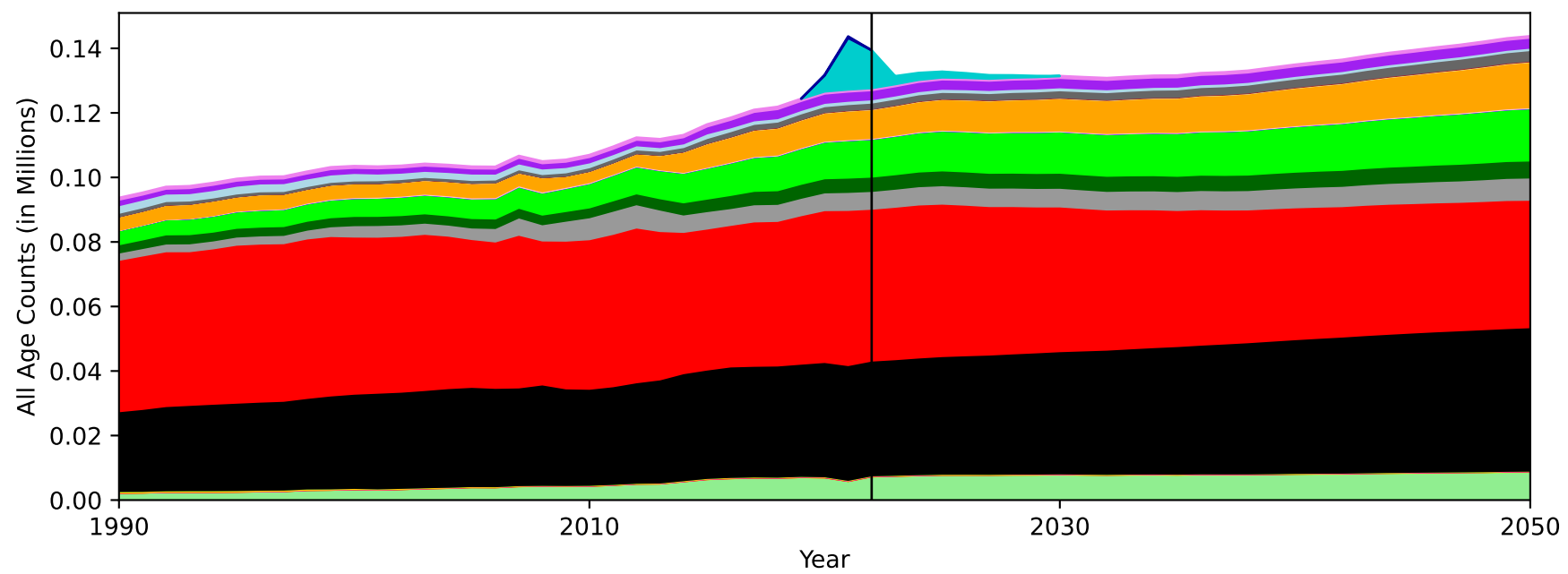
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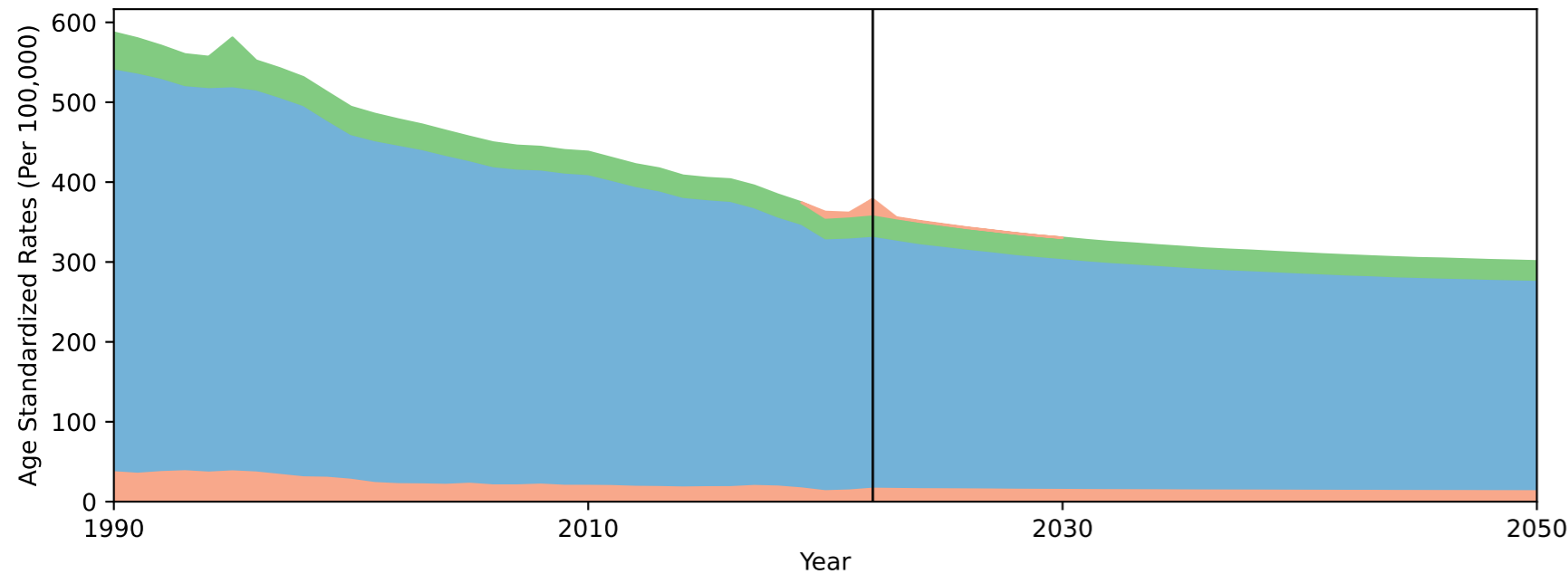


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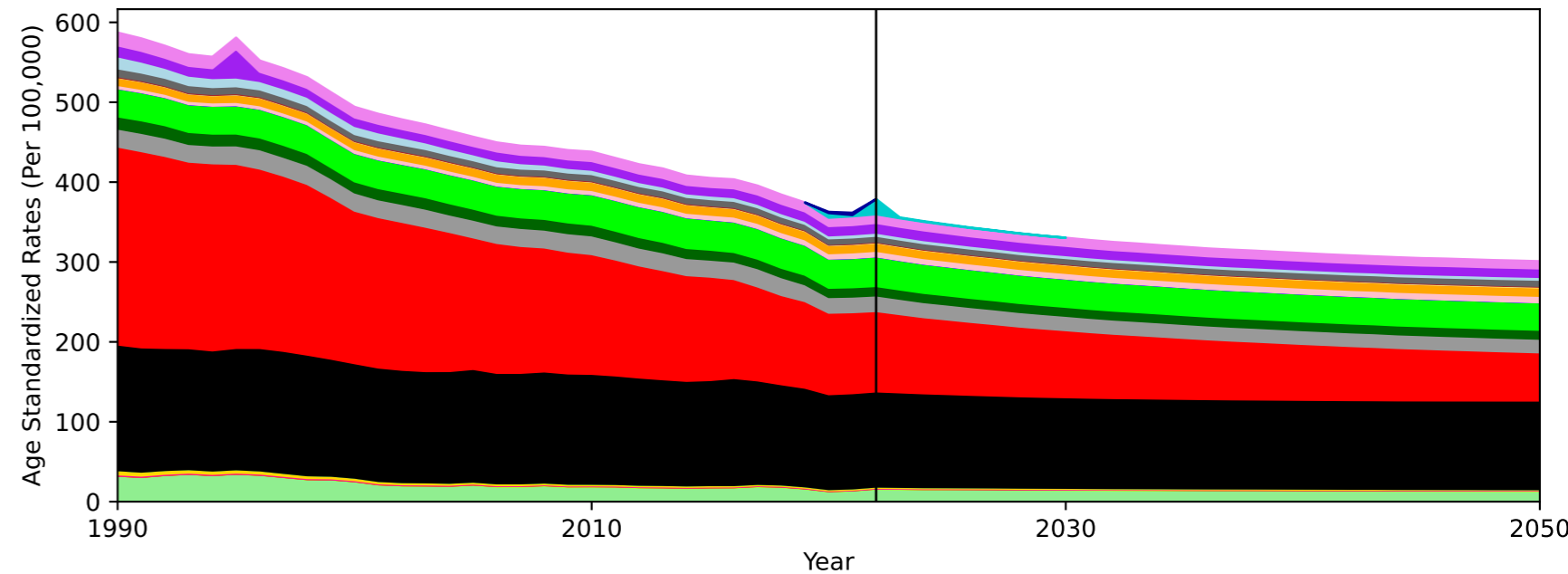




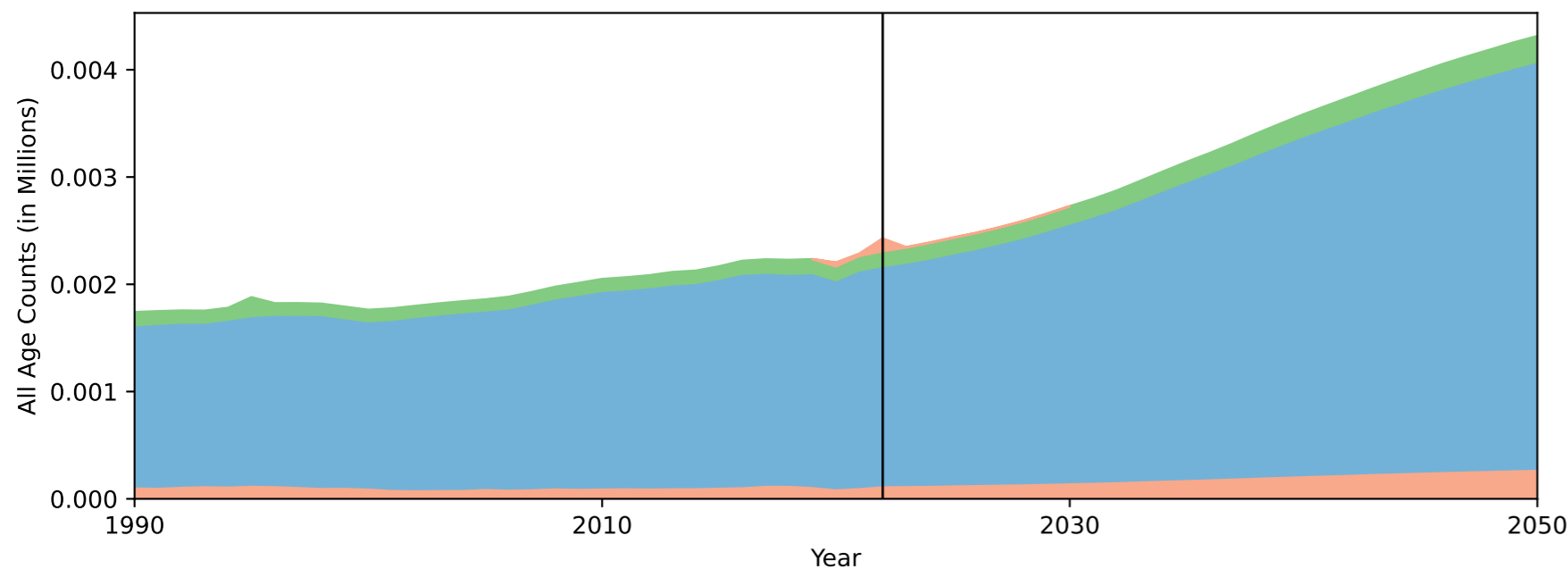
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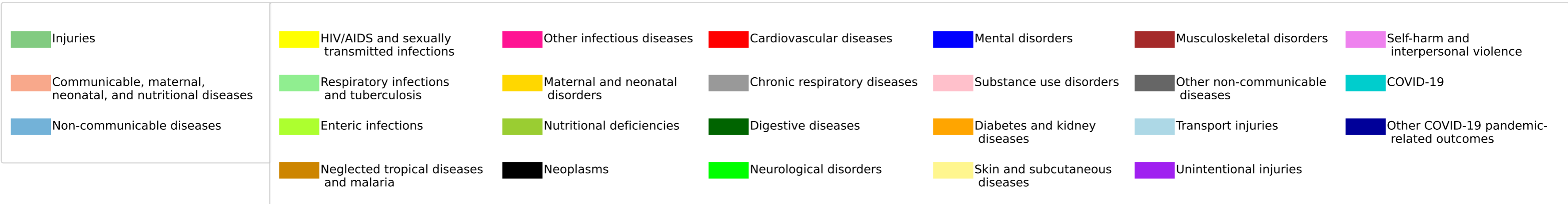
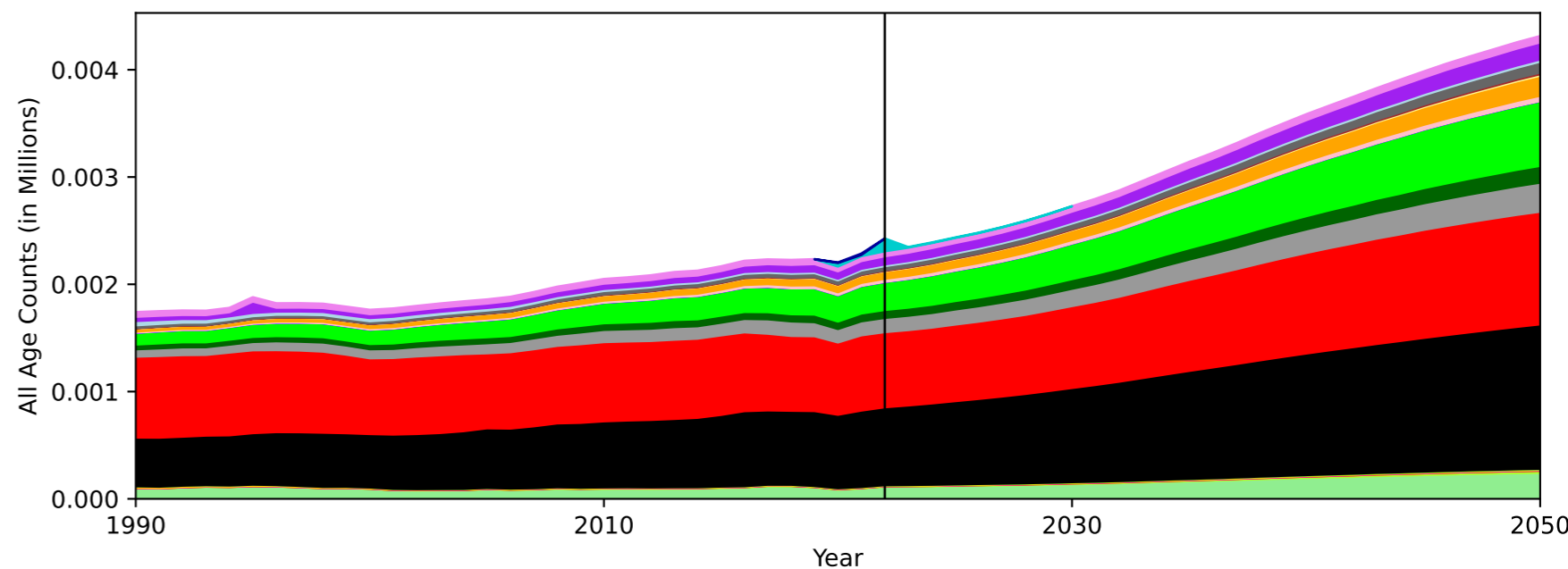
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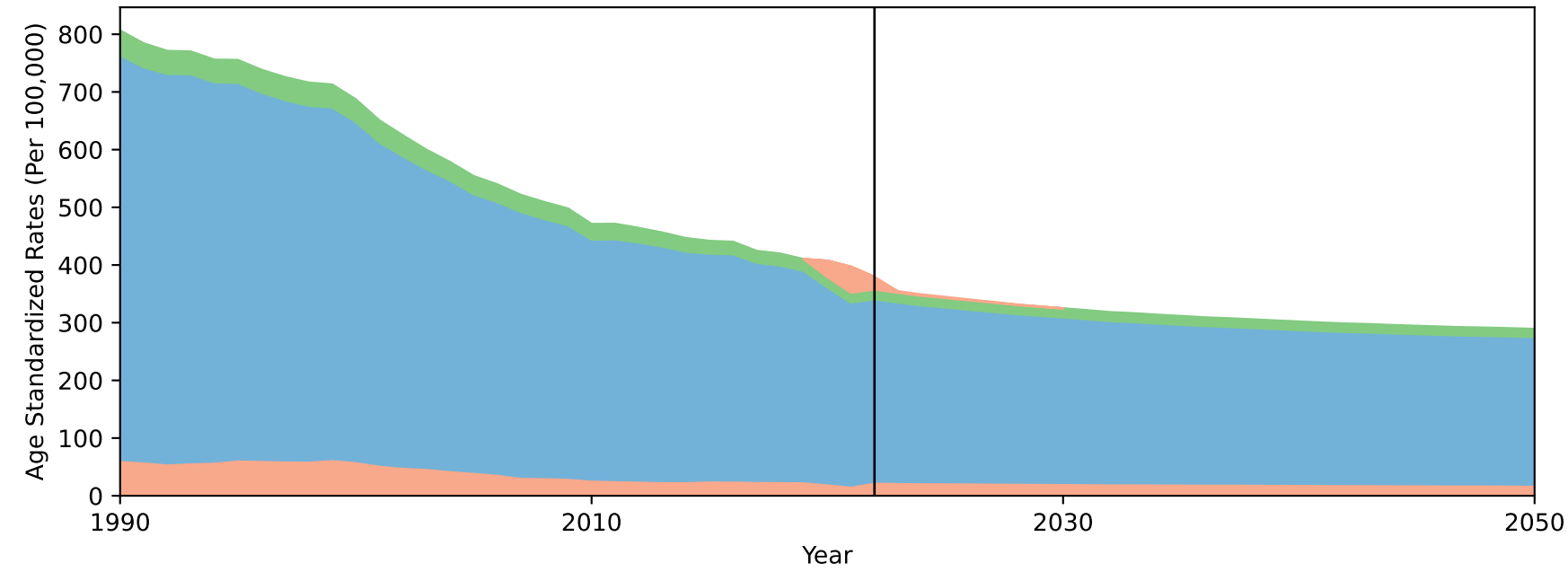
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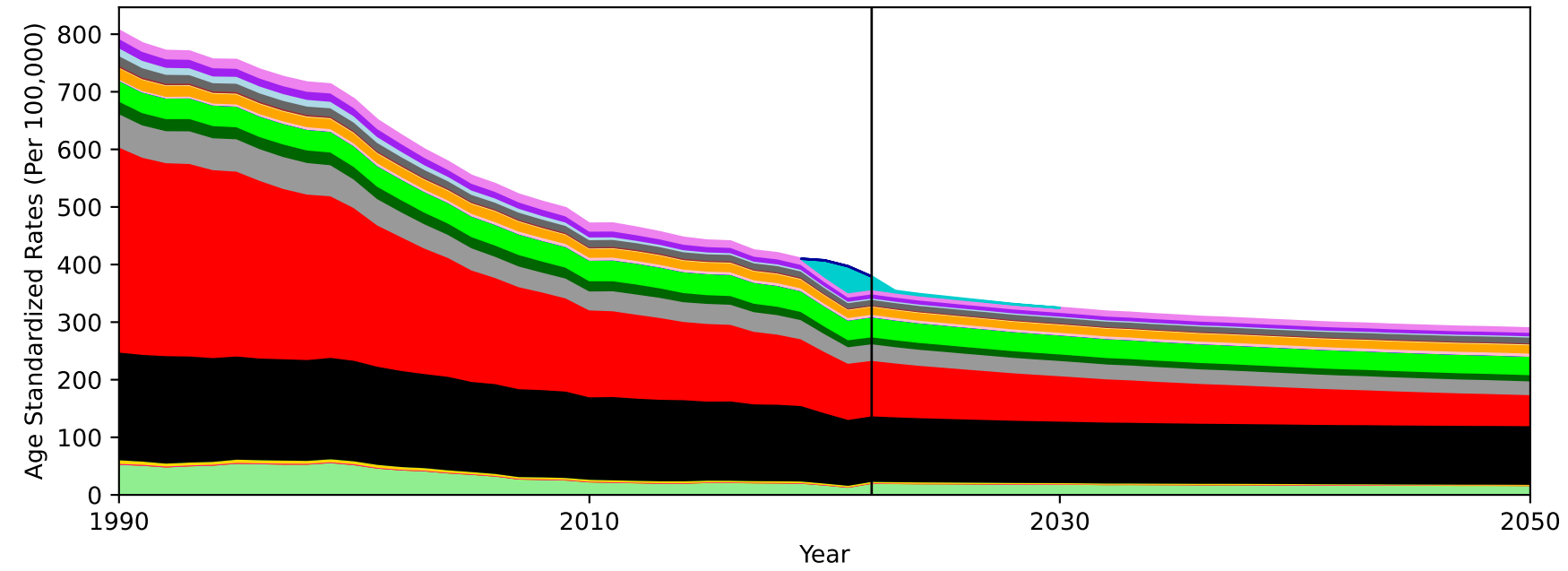
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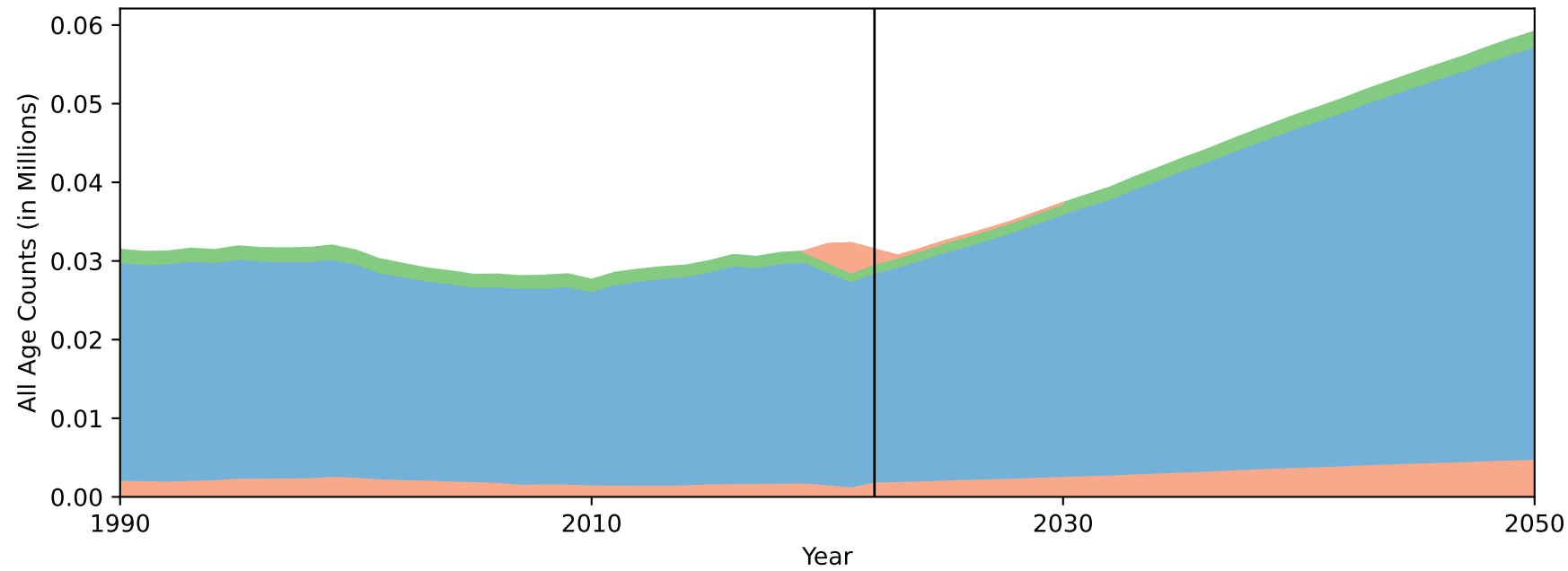
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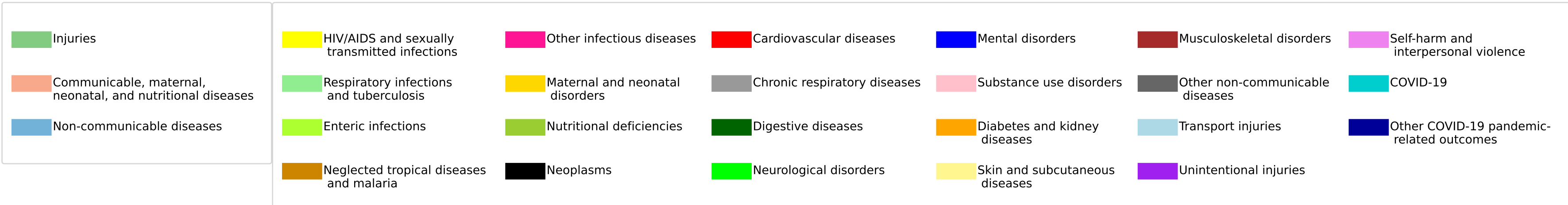
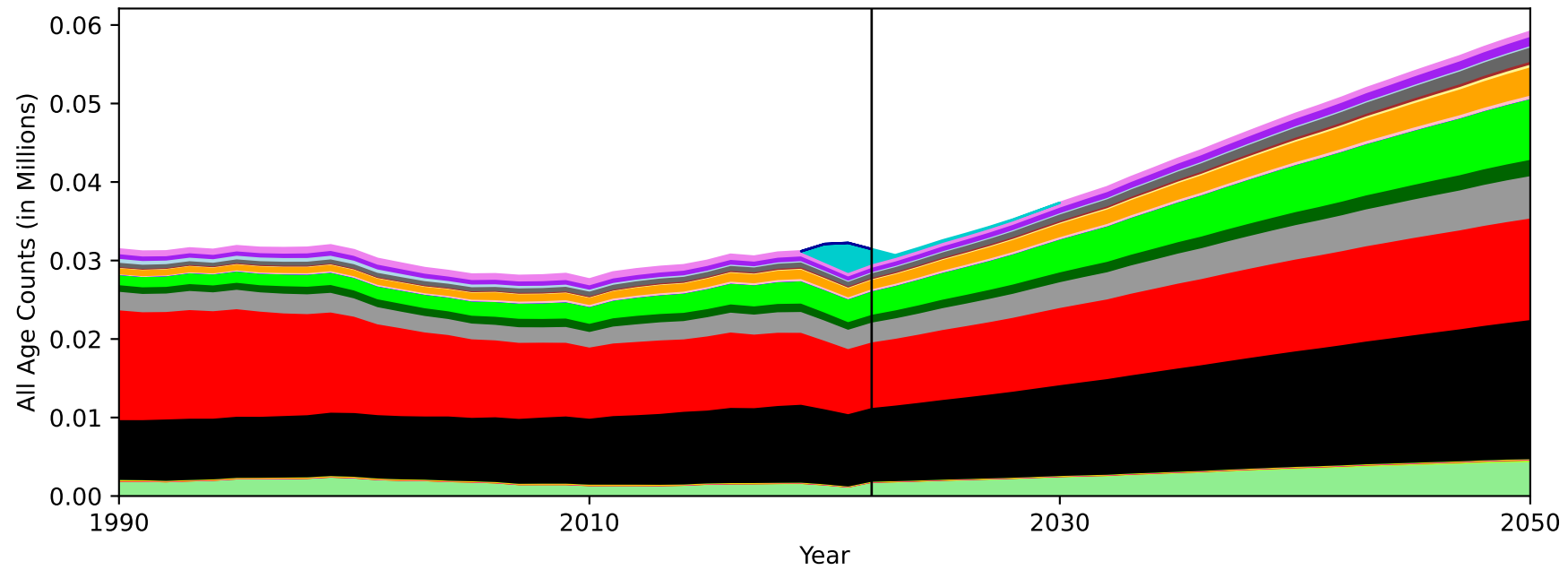
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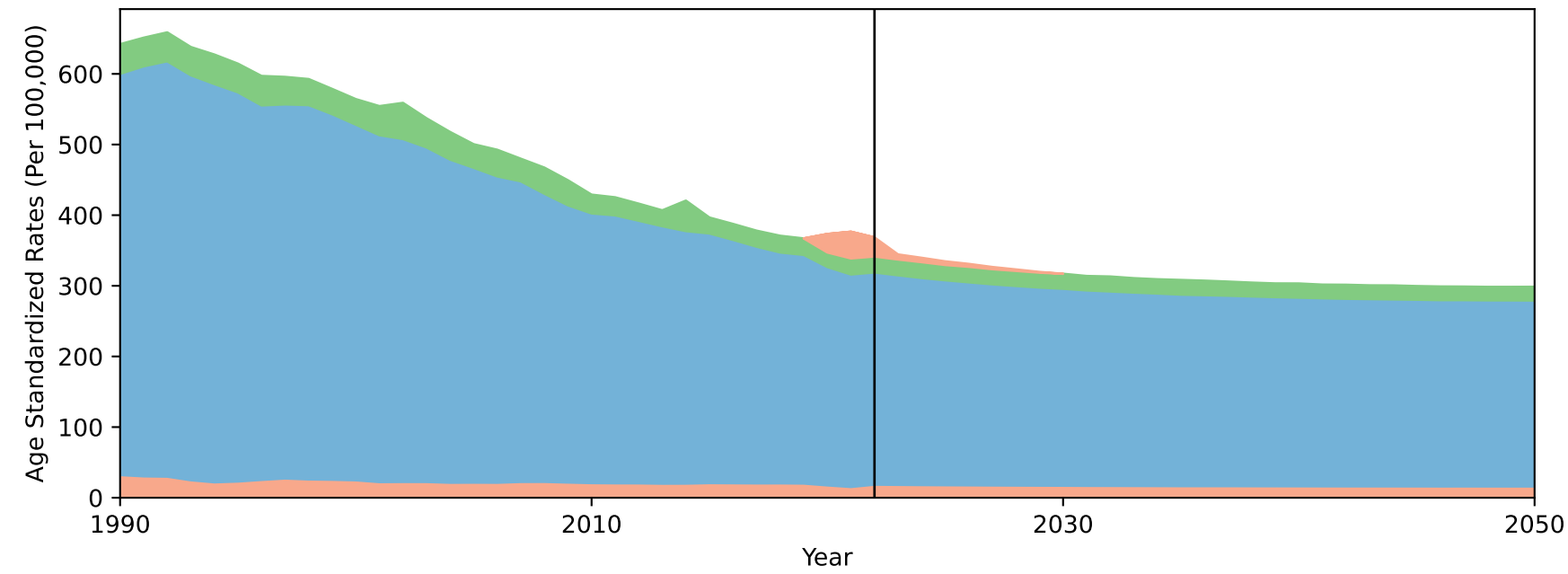
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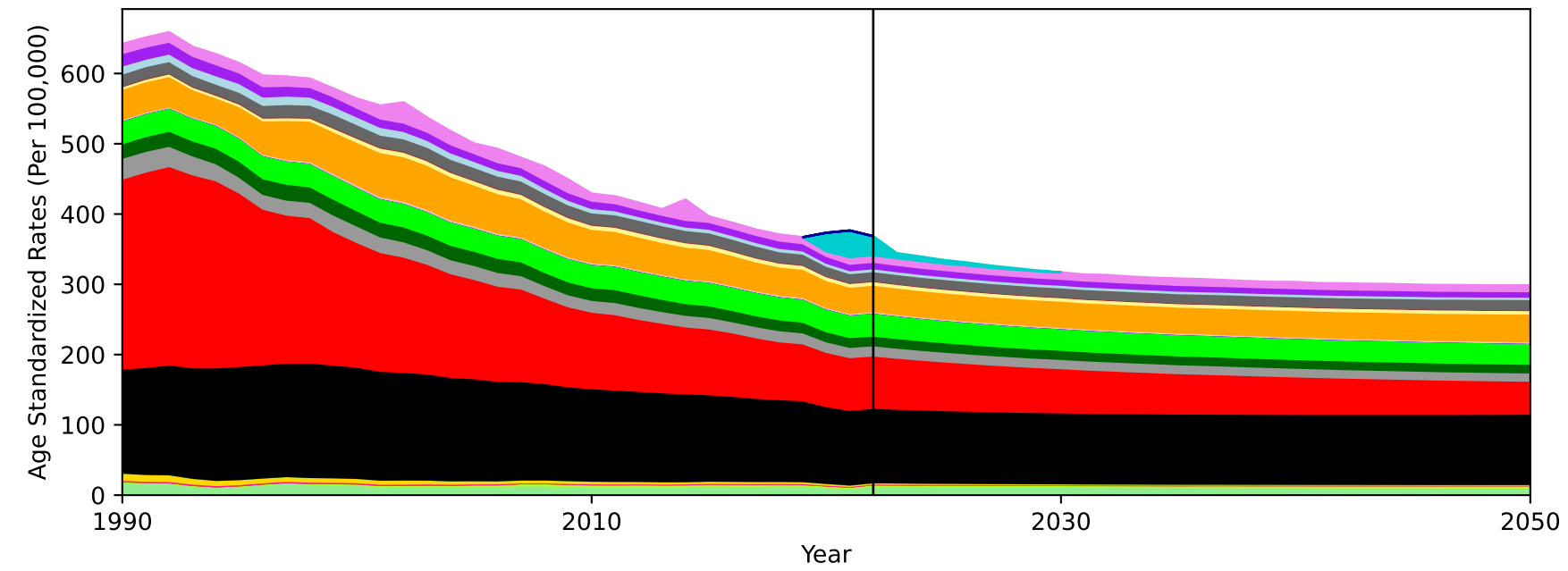
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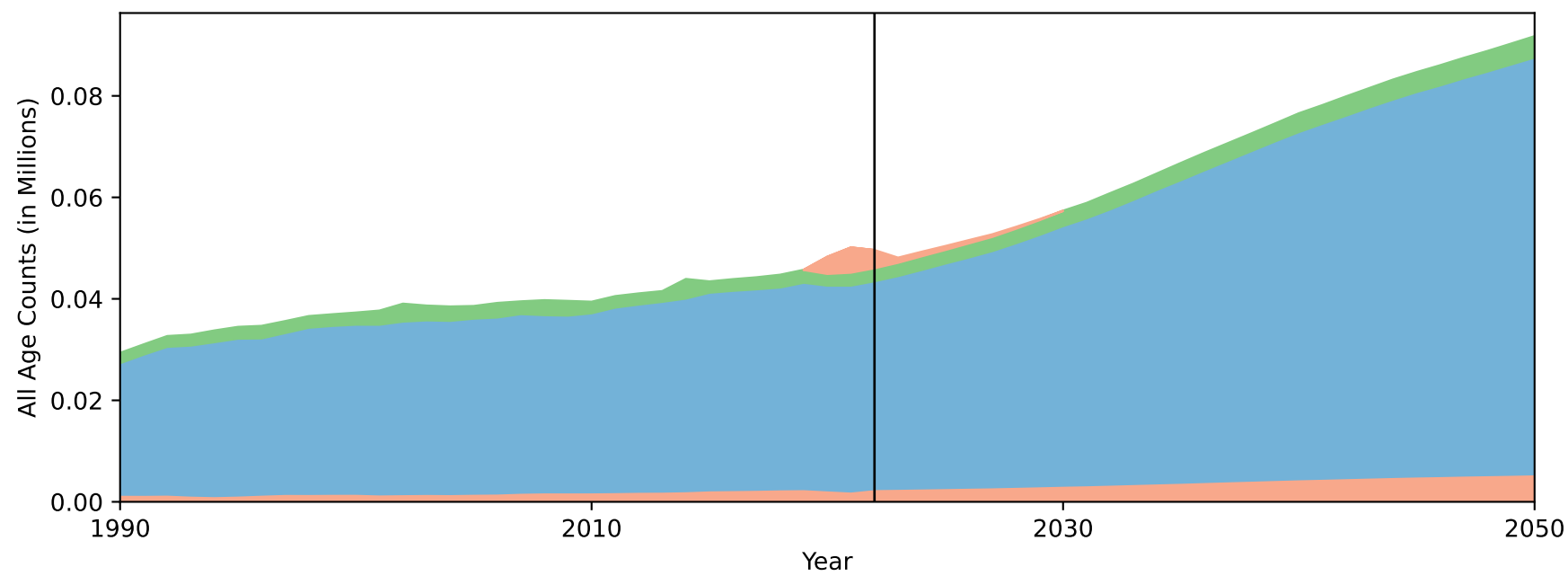
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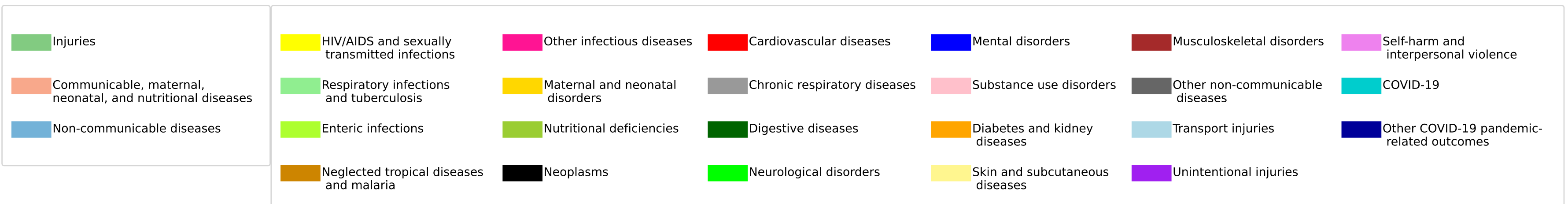
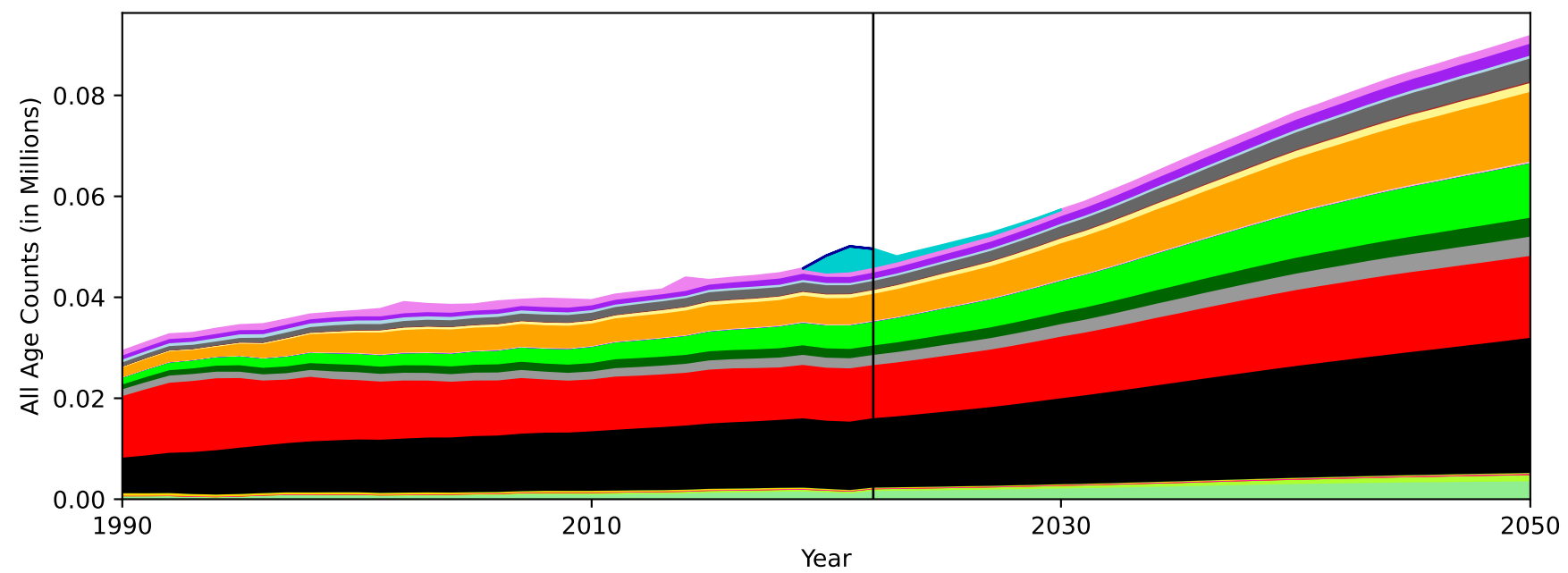
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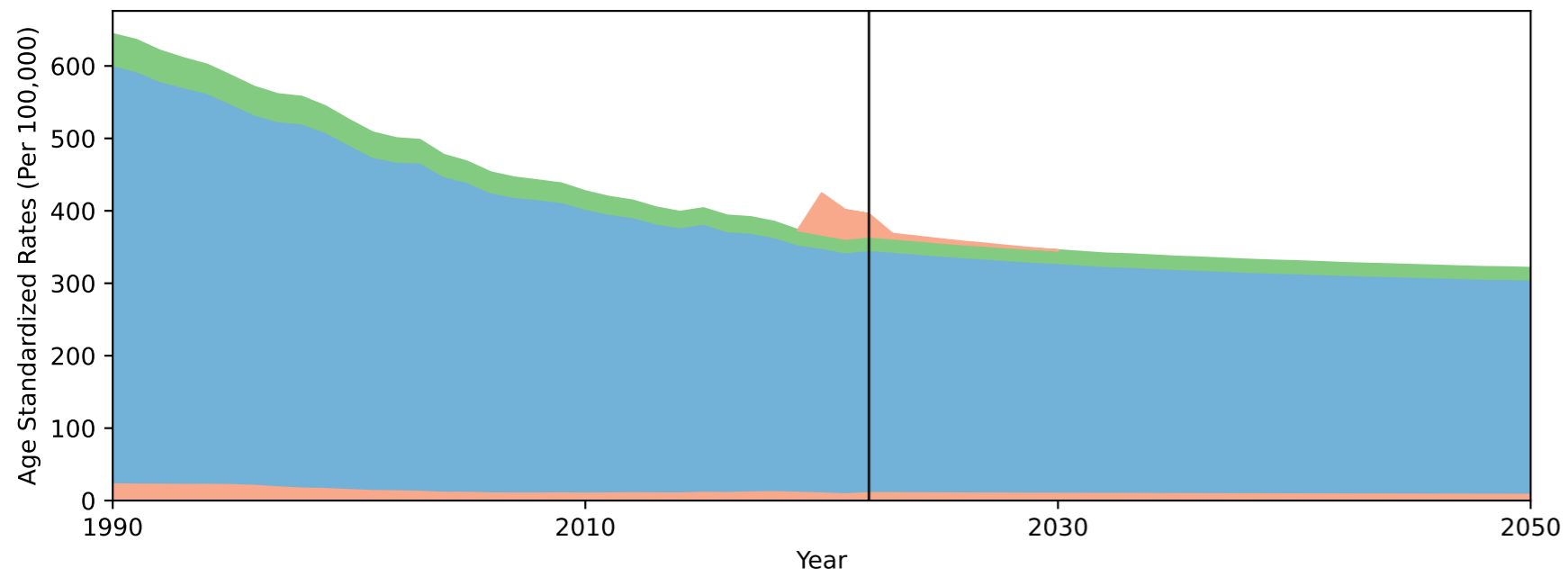


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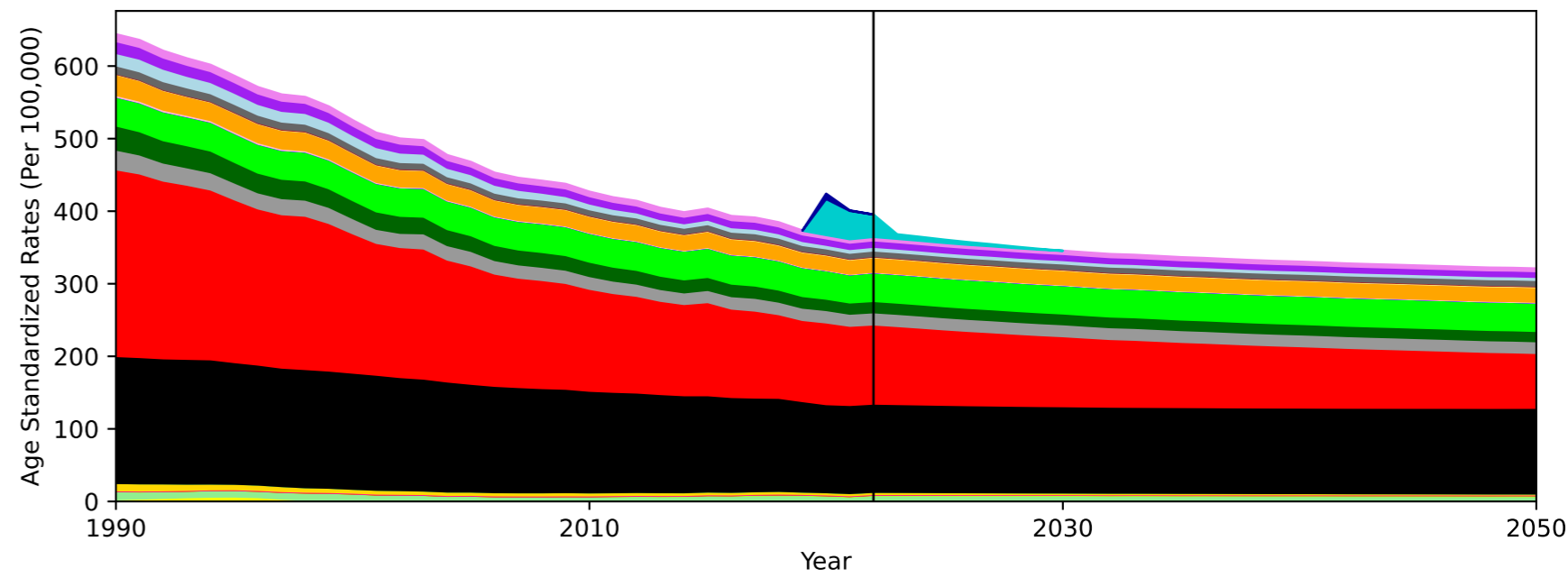


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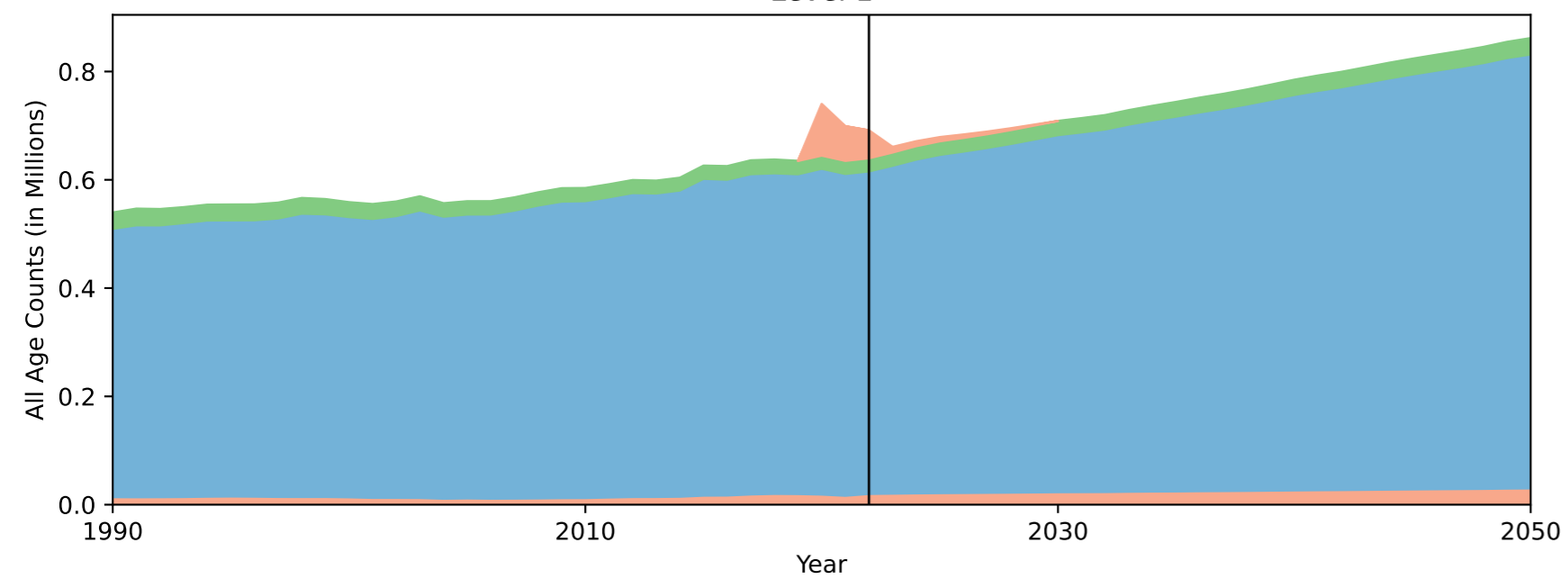
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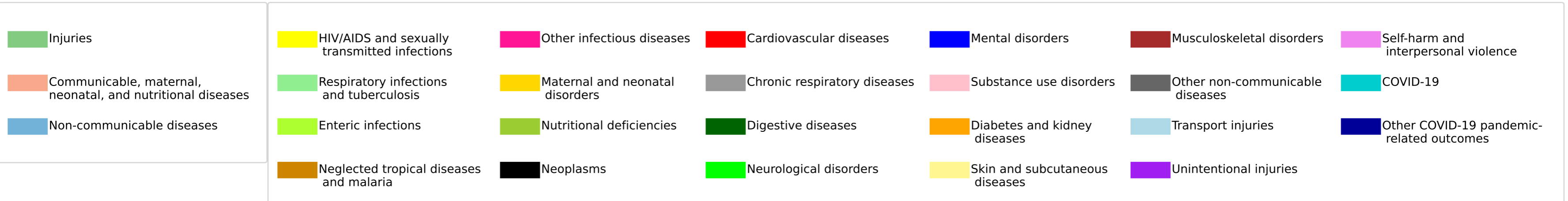
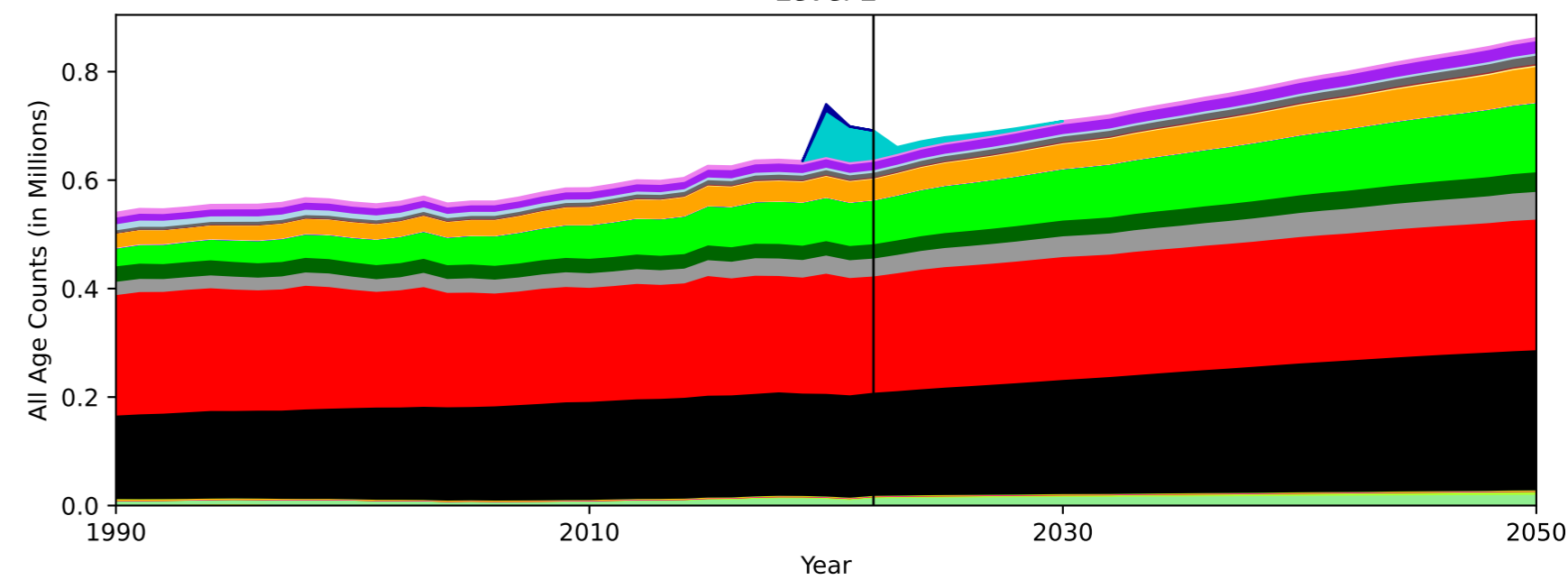
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Level 1

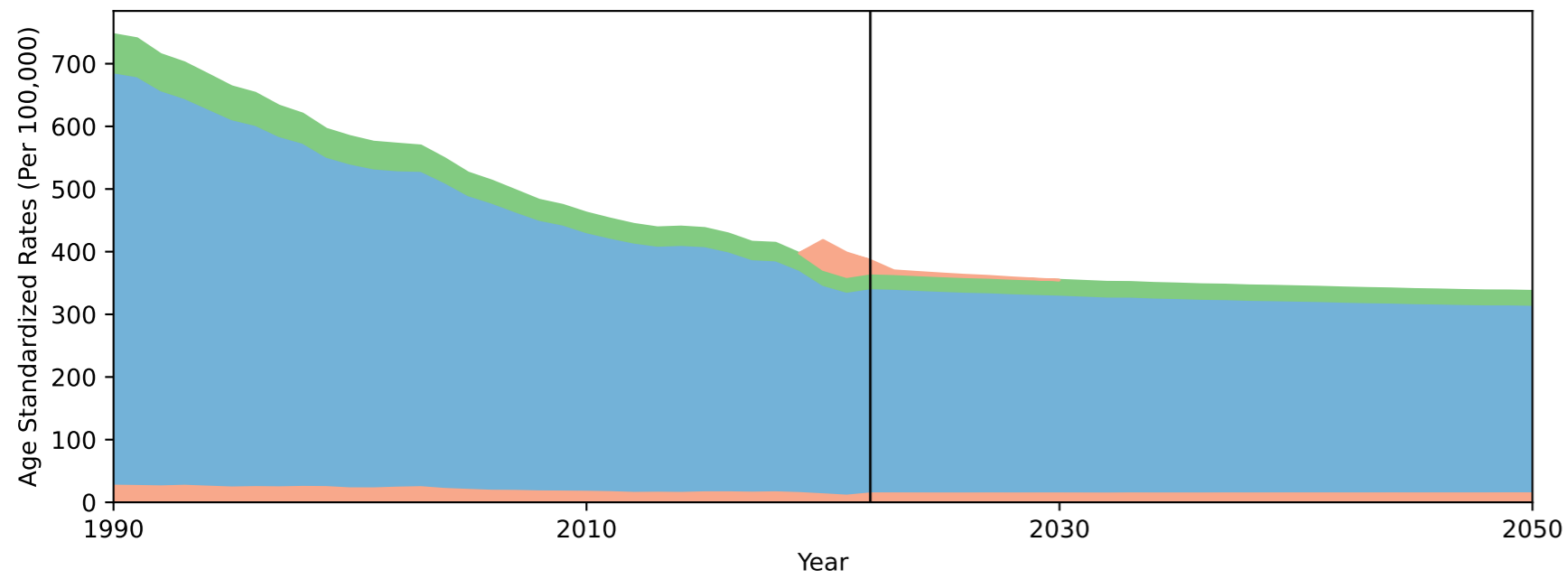


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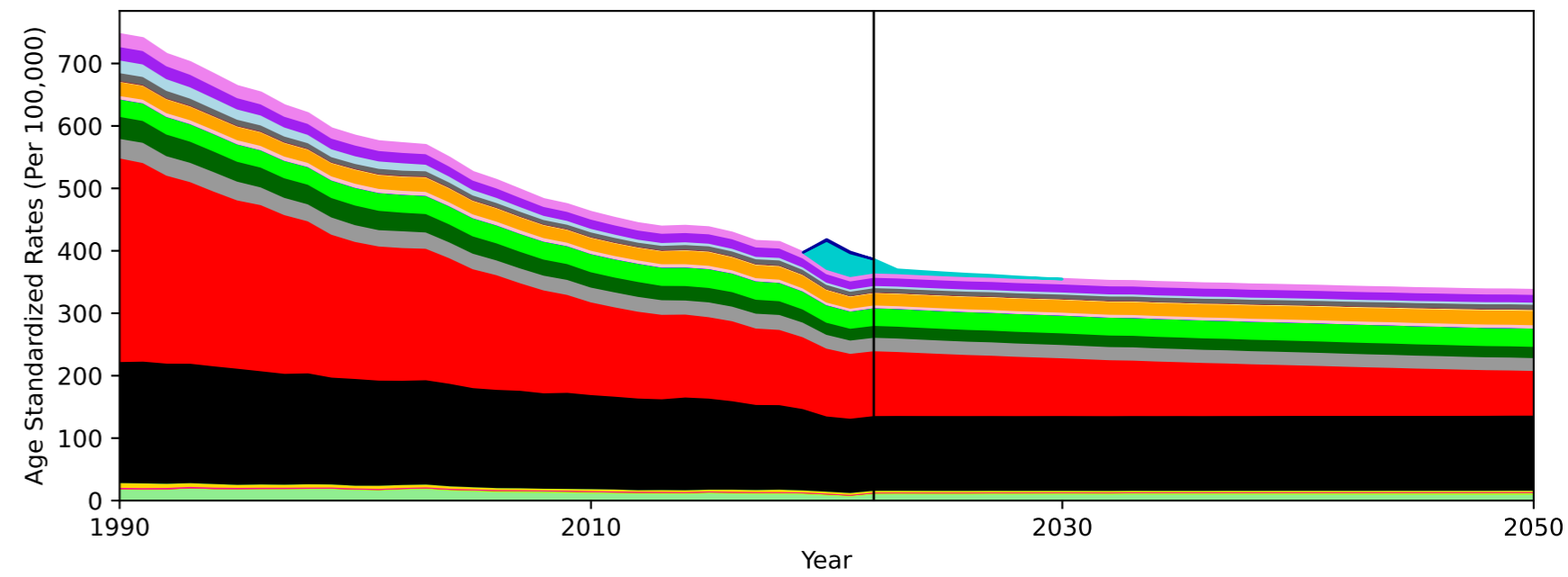


# Luxembourg

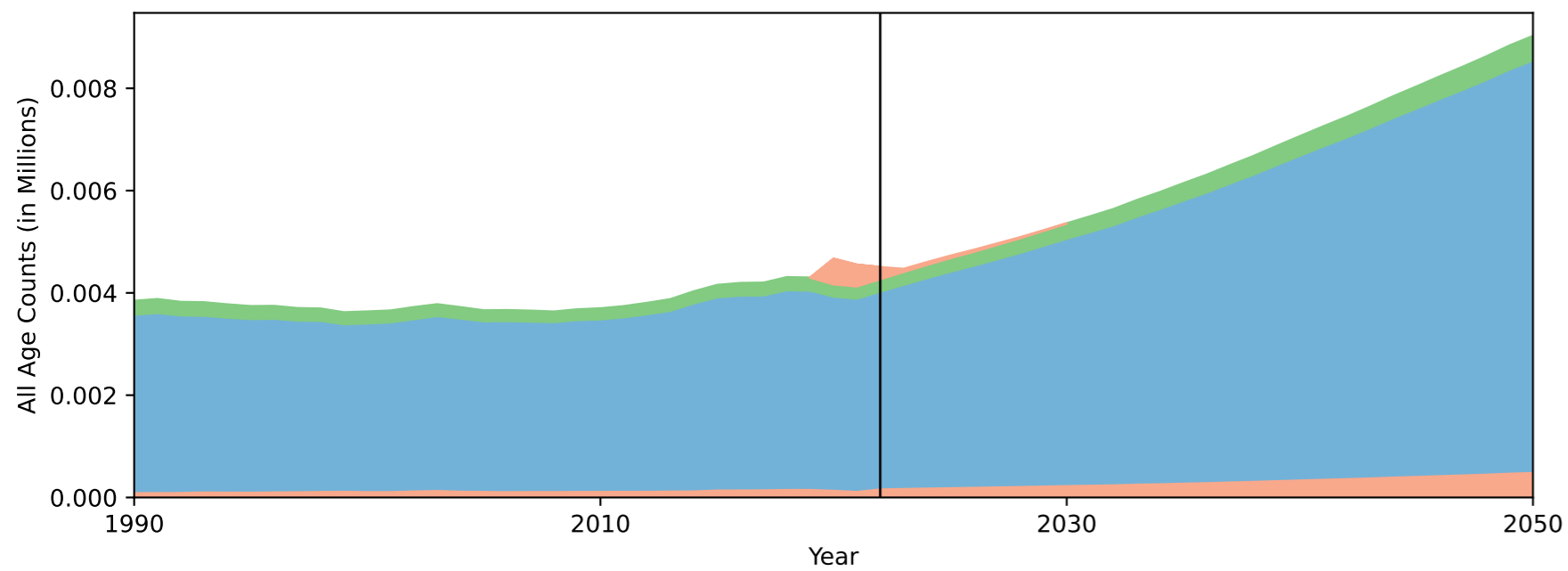
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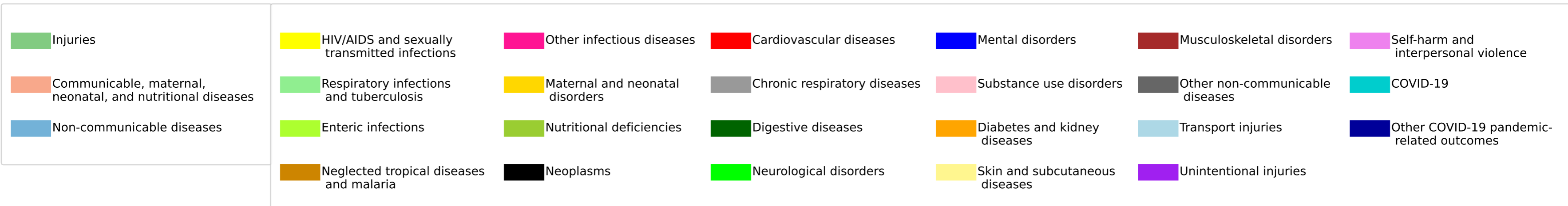
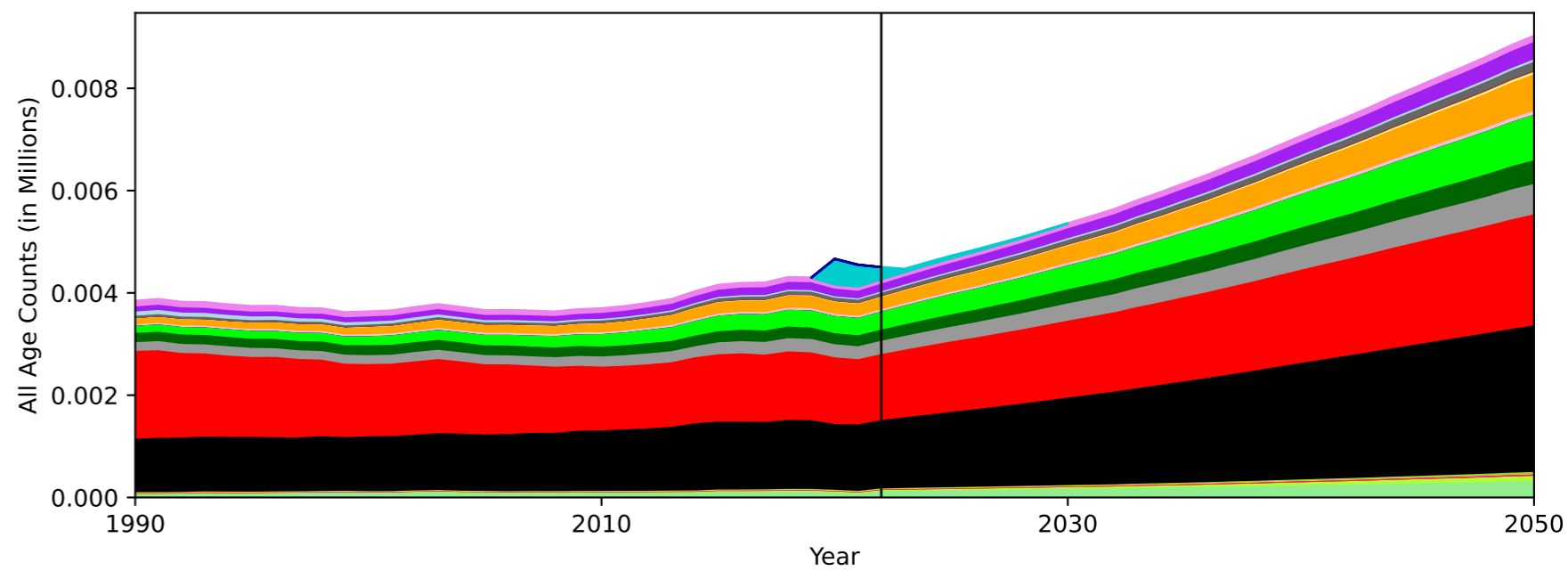
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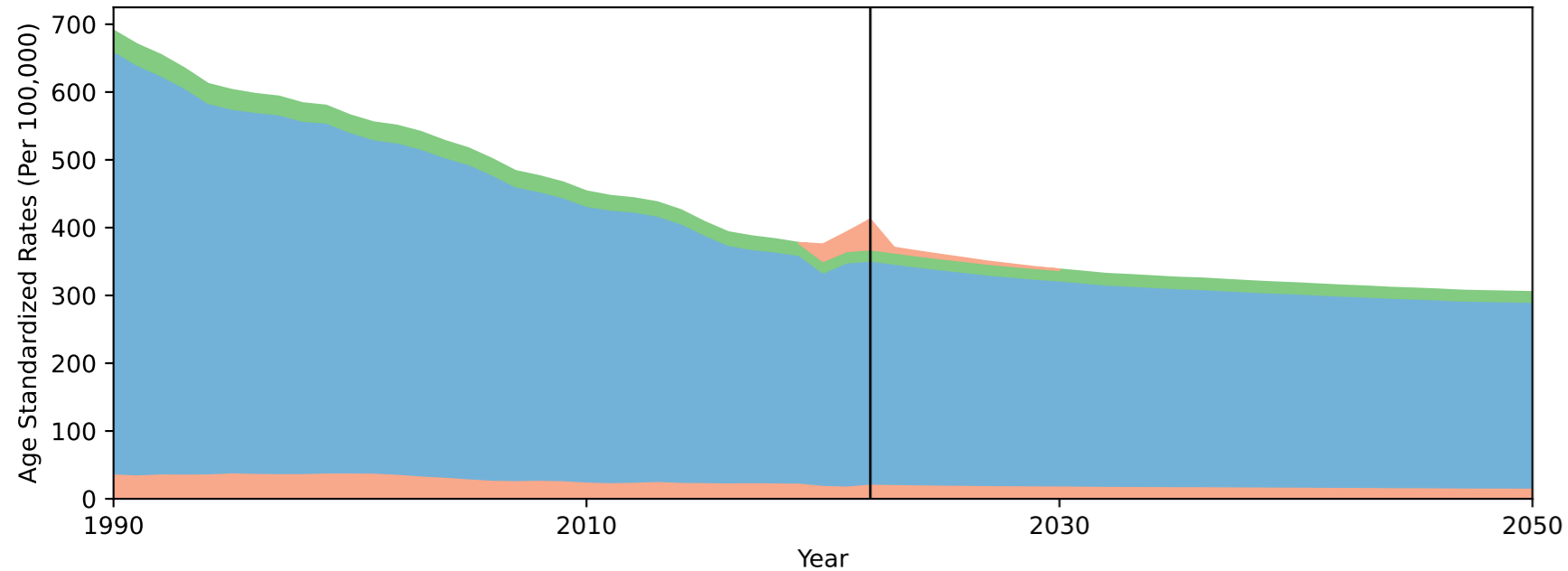
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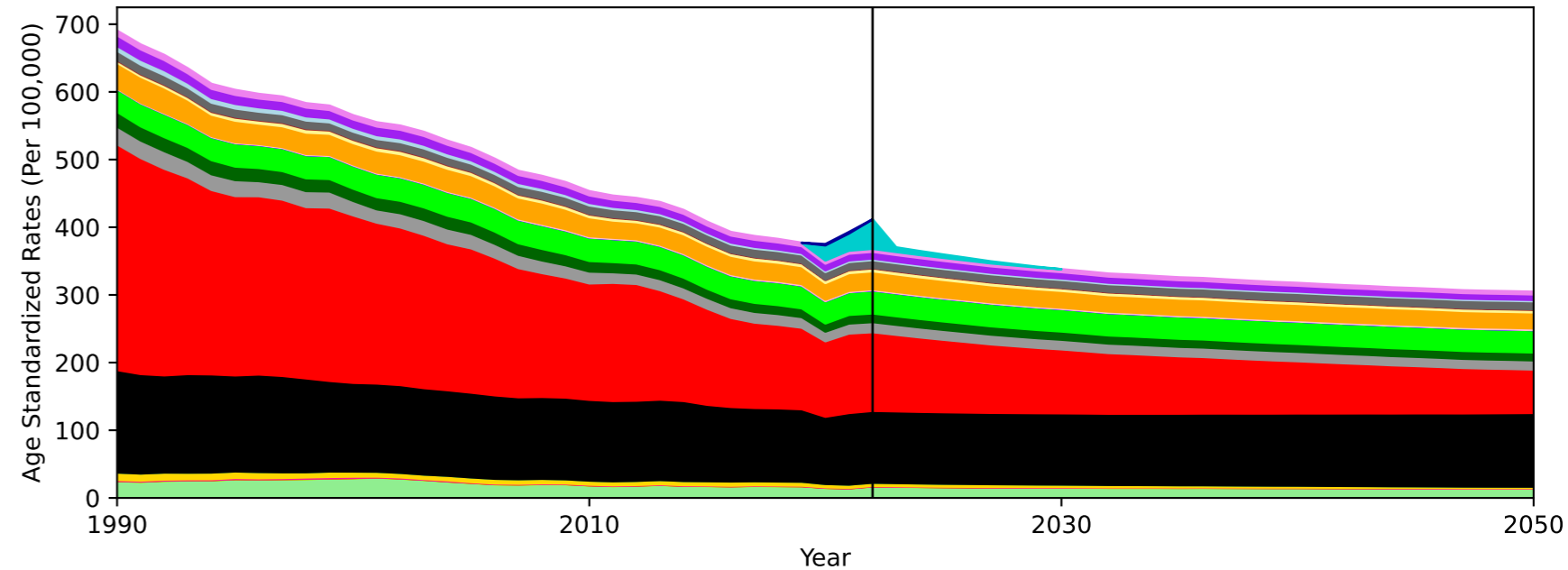
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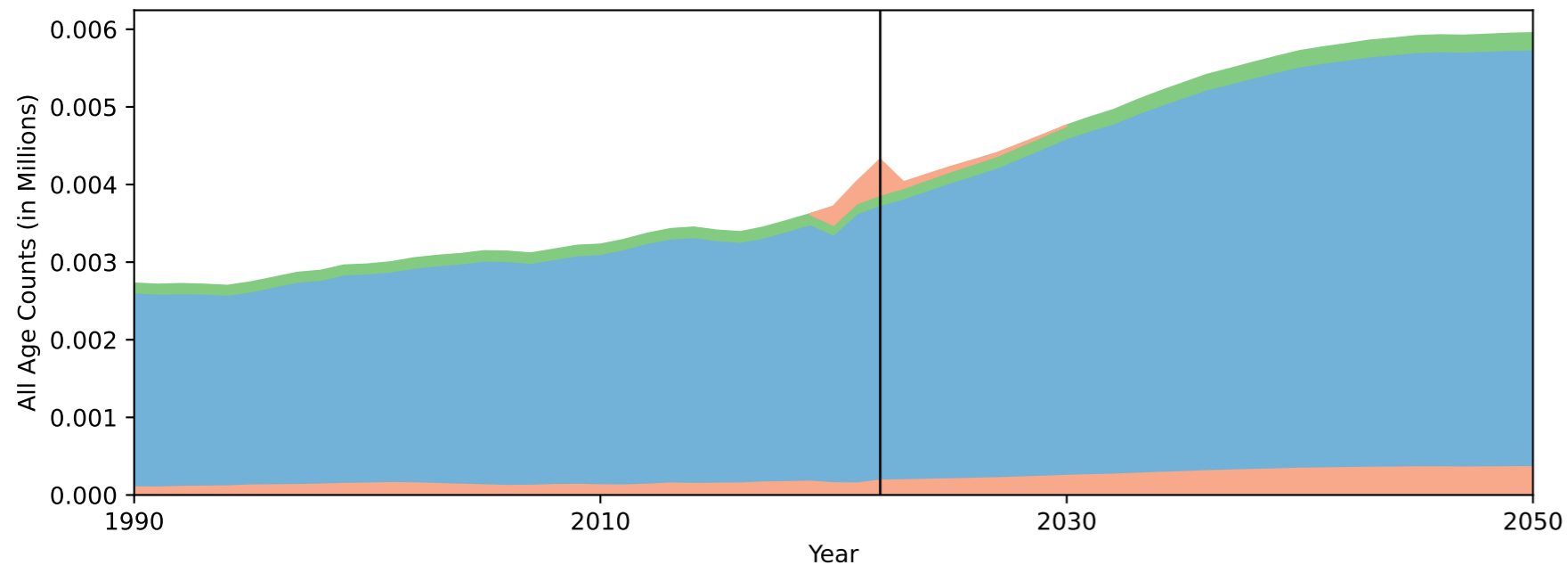
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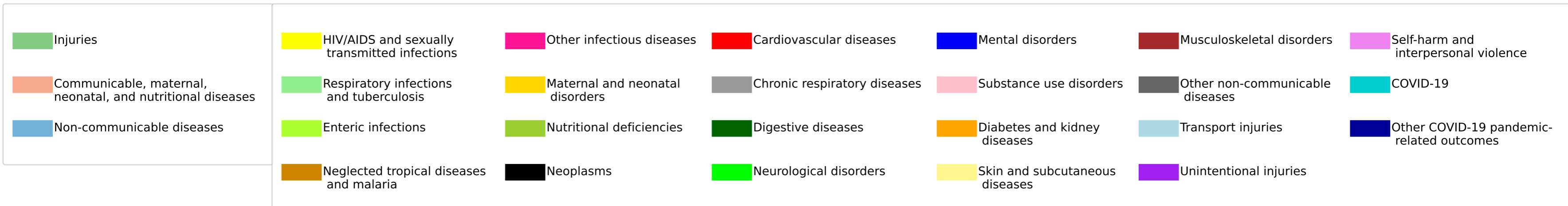
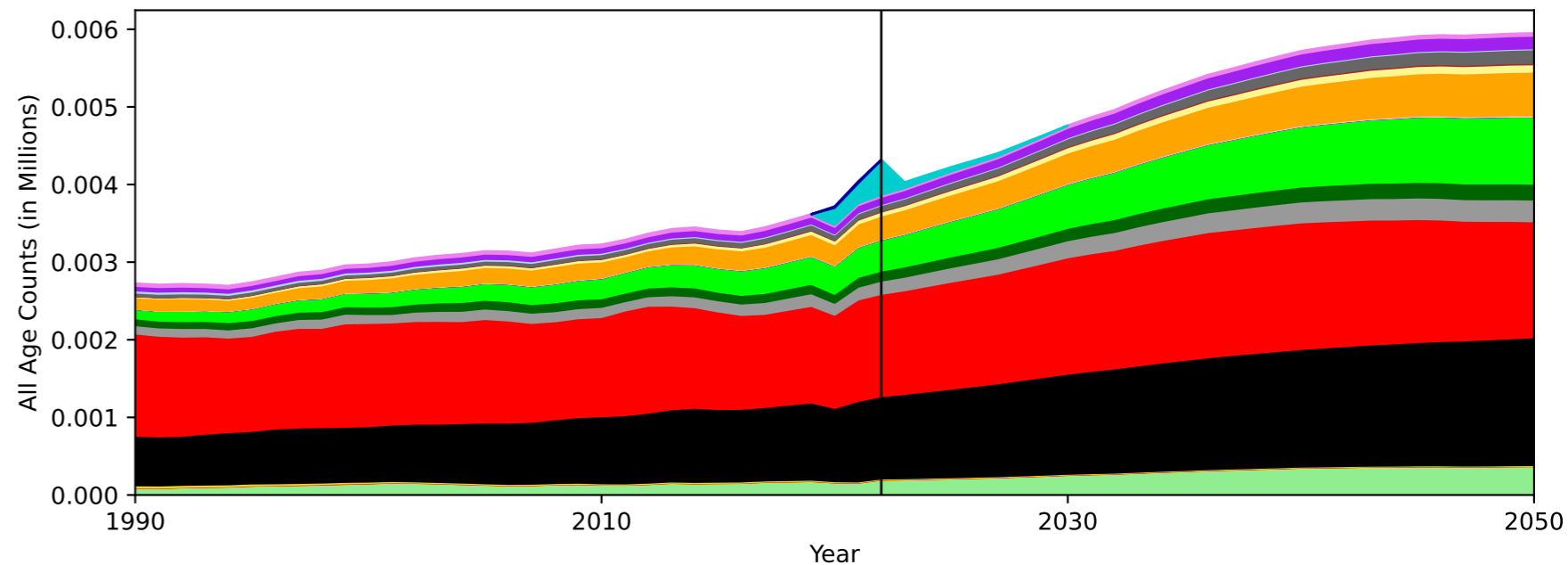
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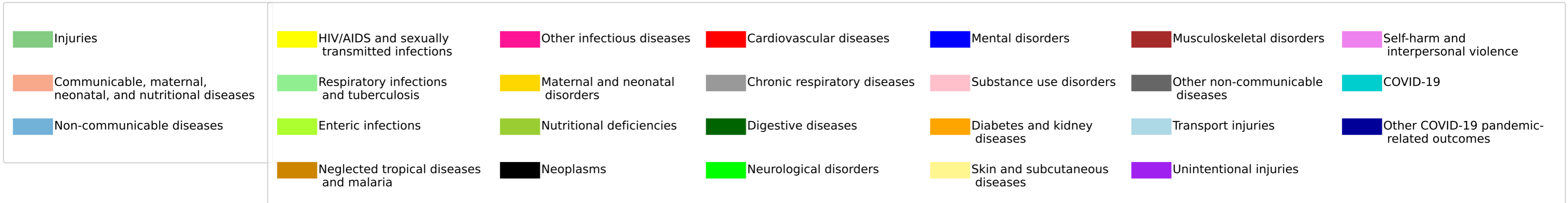
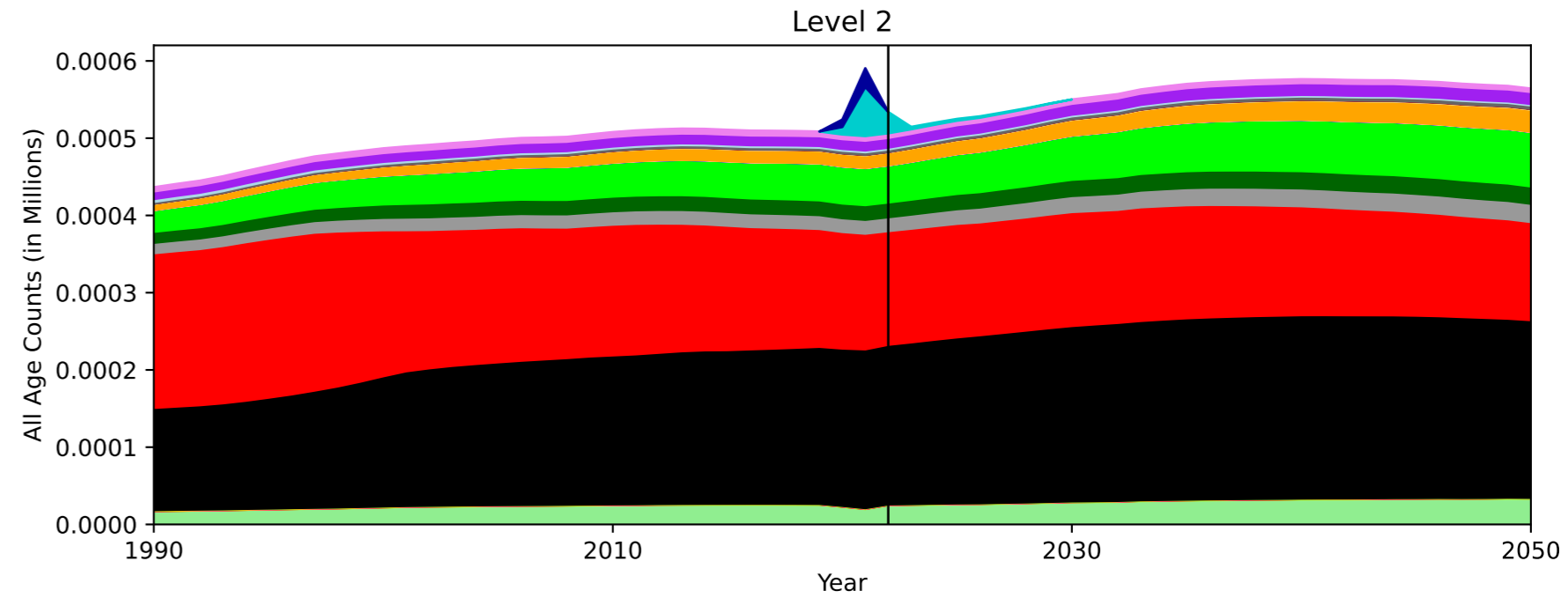
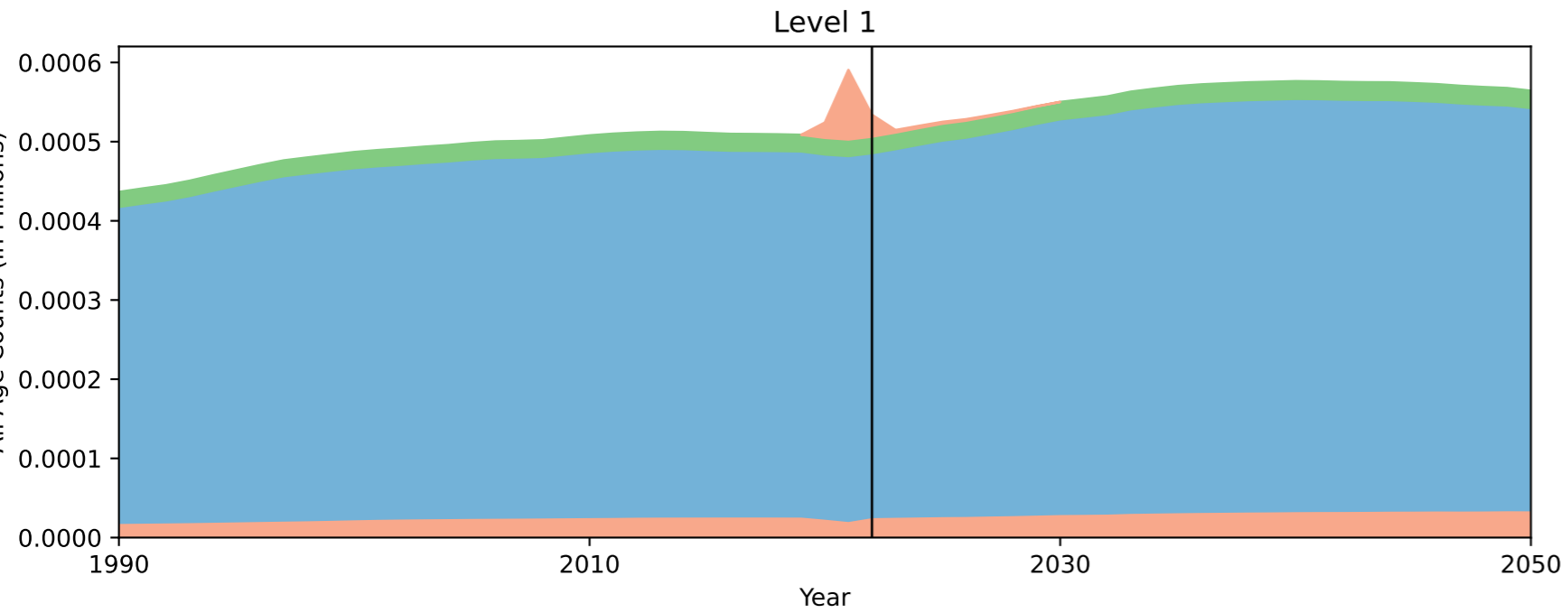
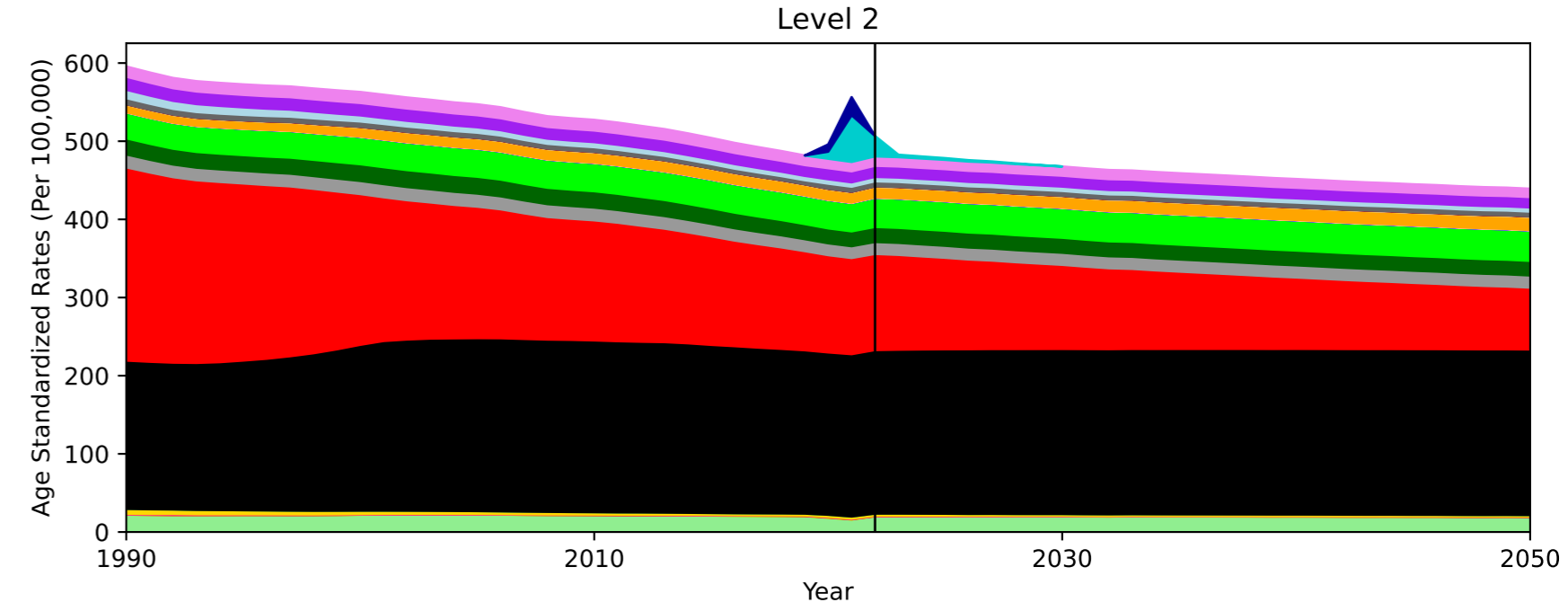
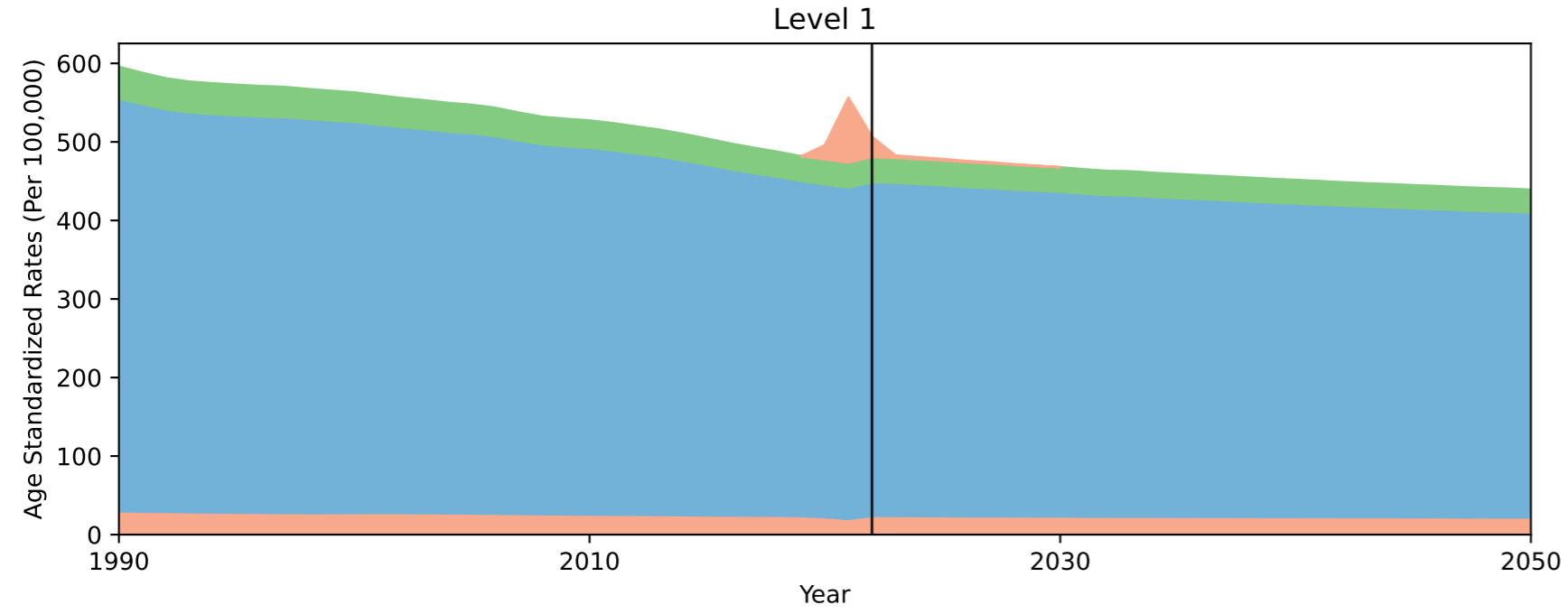
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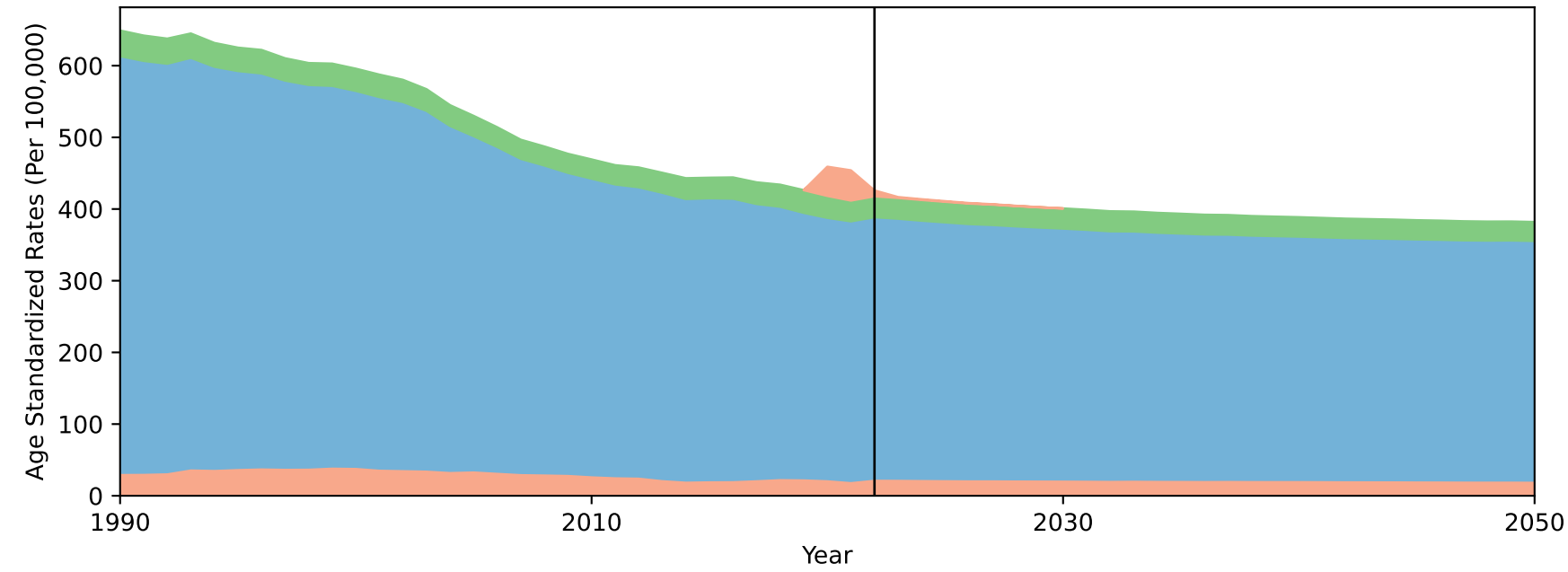


# Monaco

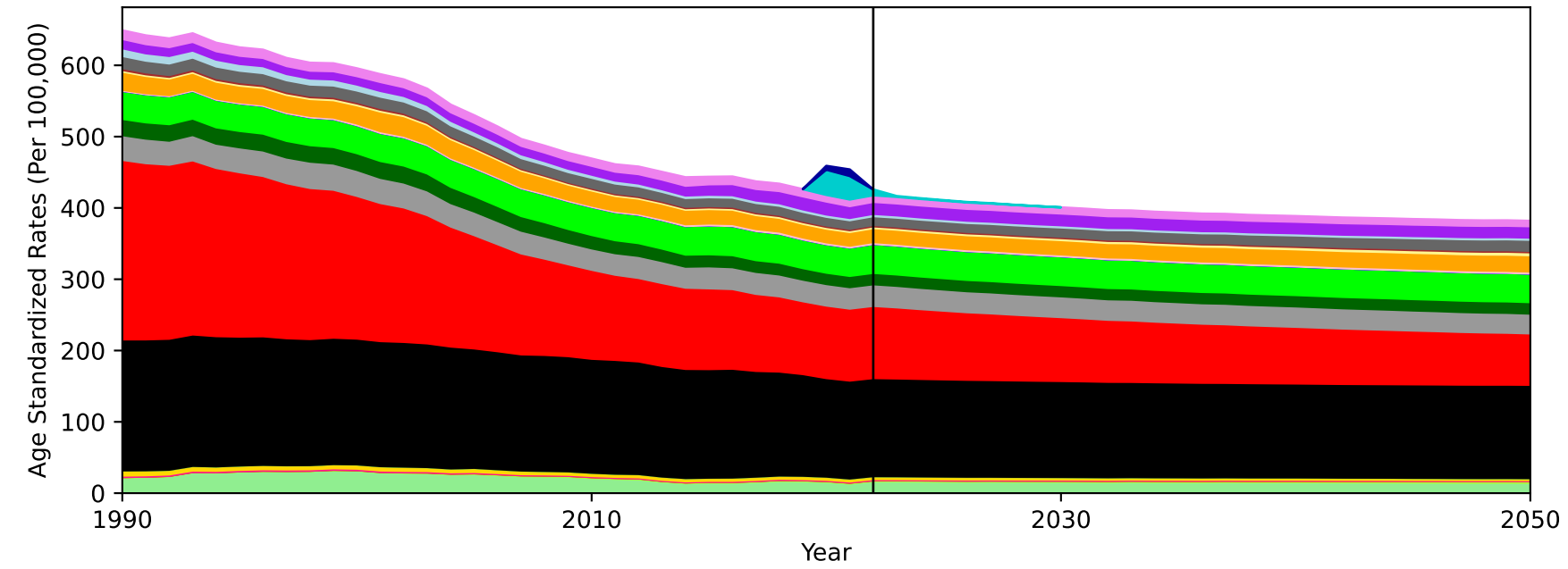


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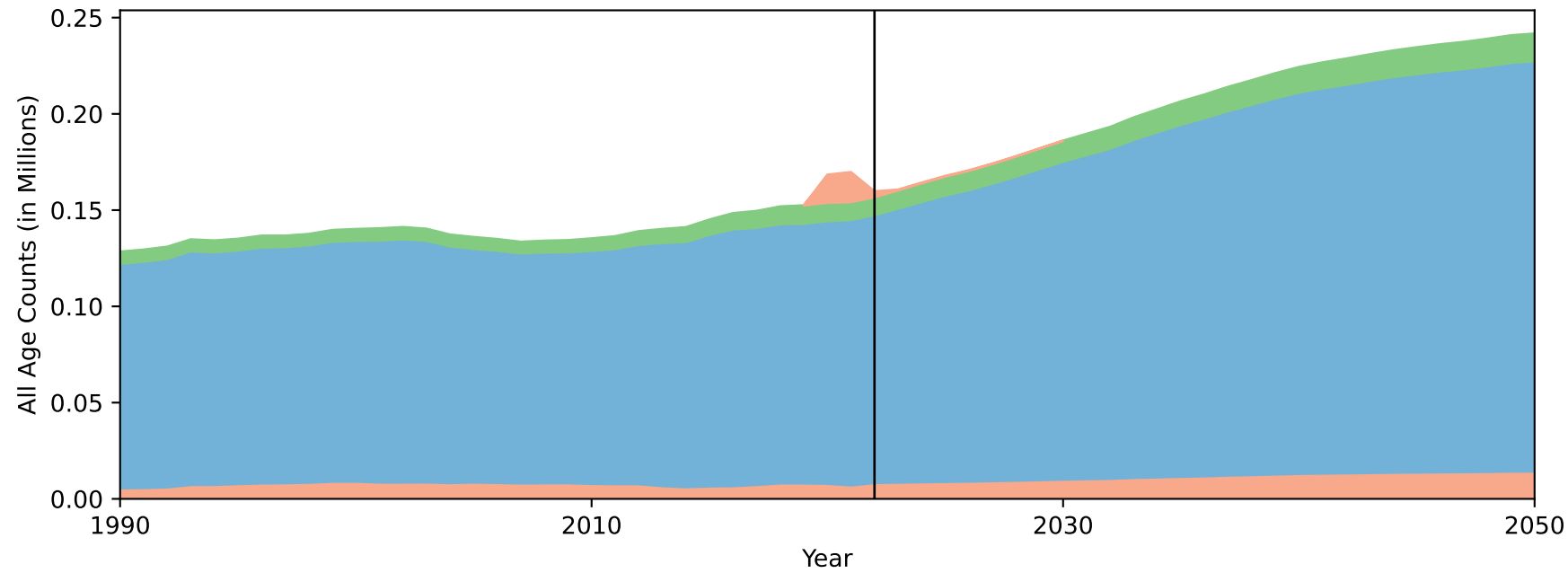
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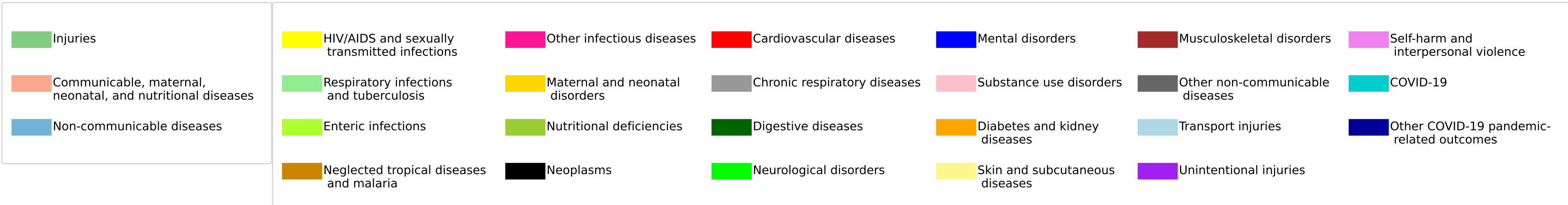
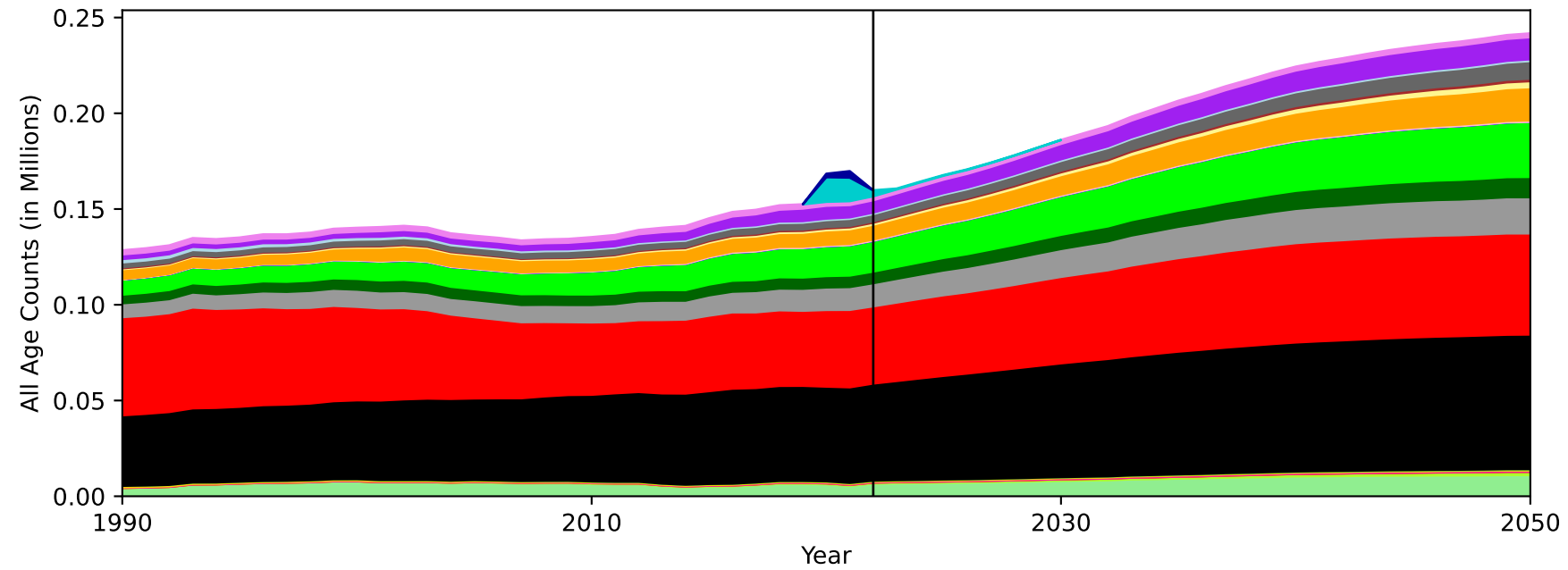
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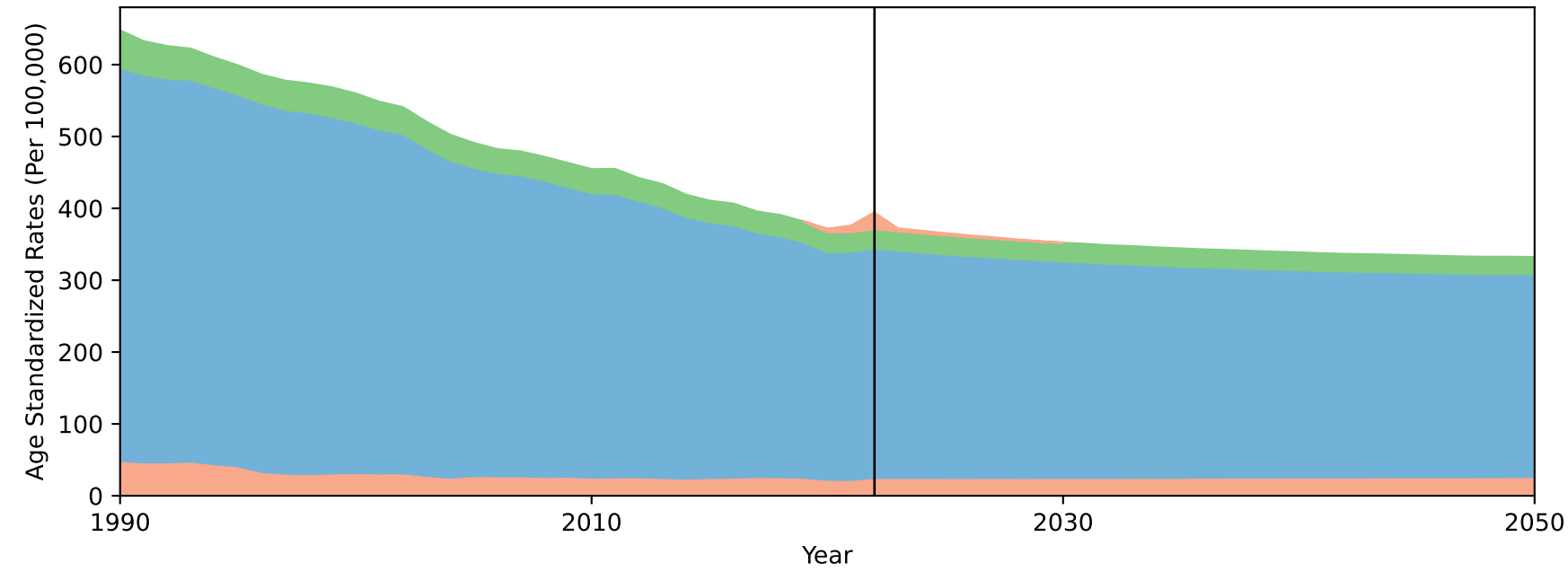
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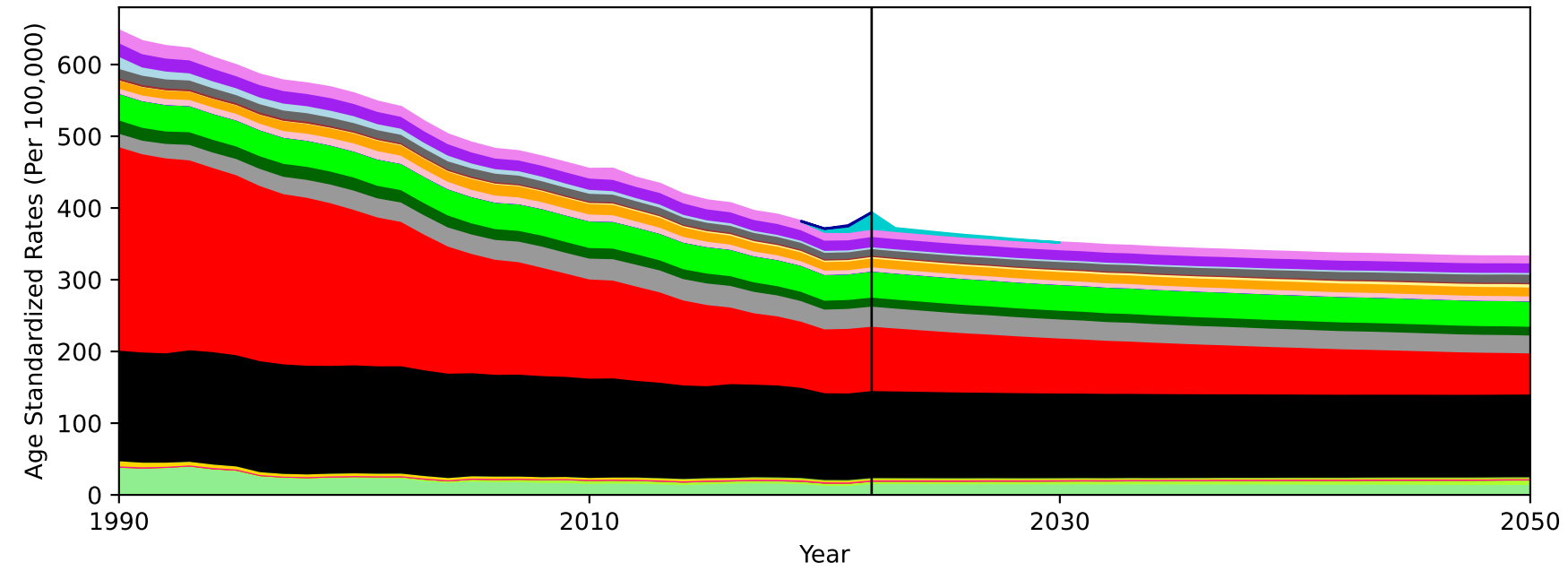


# Norway

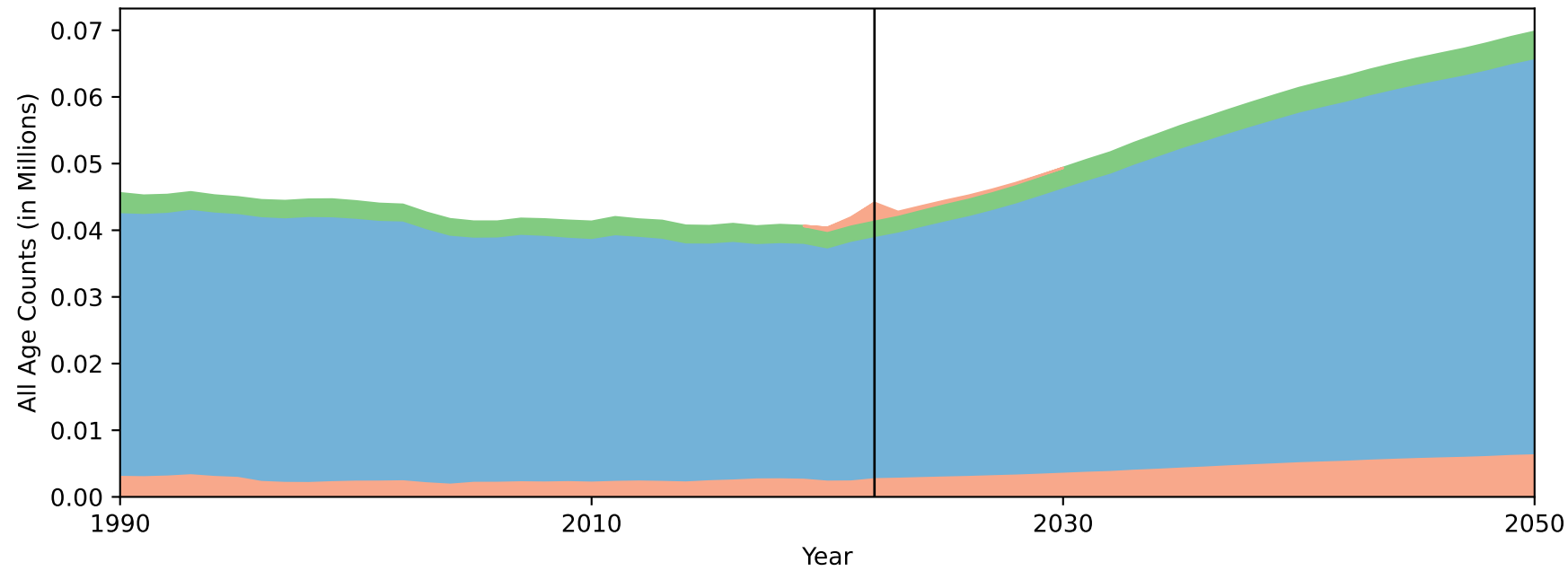
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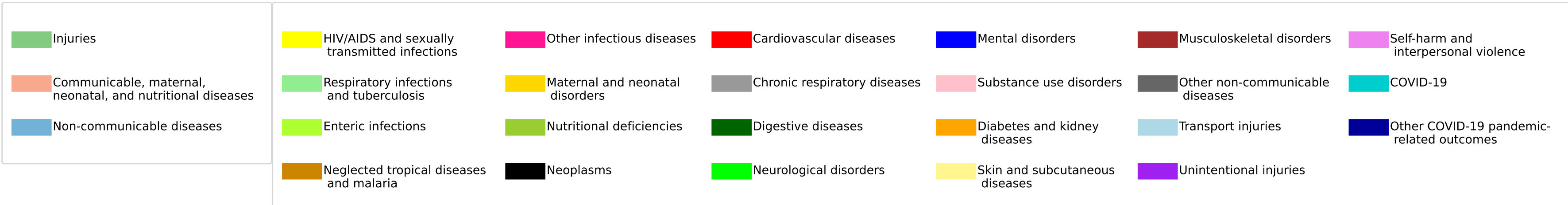
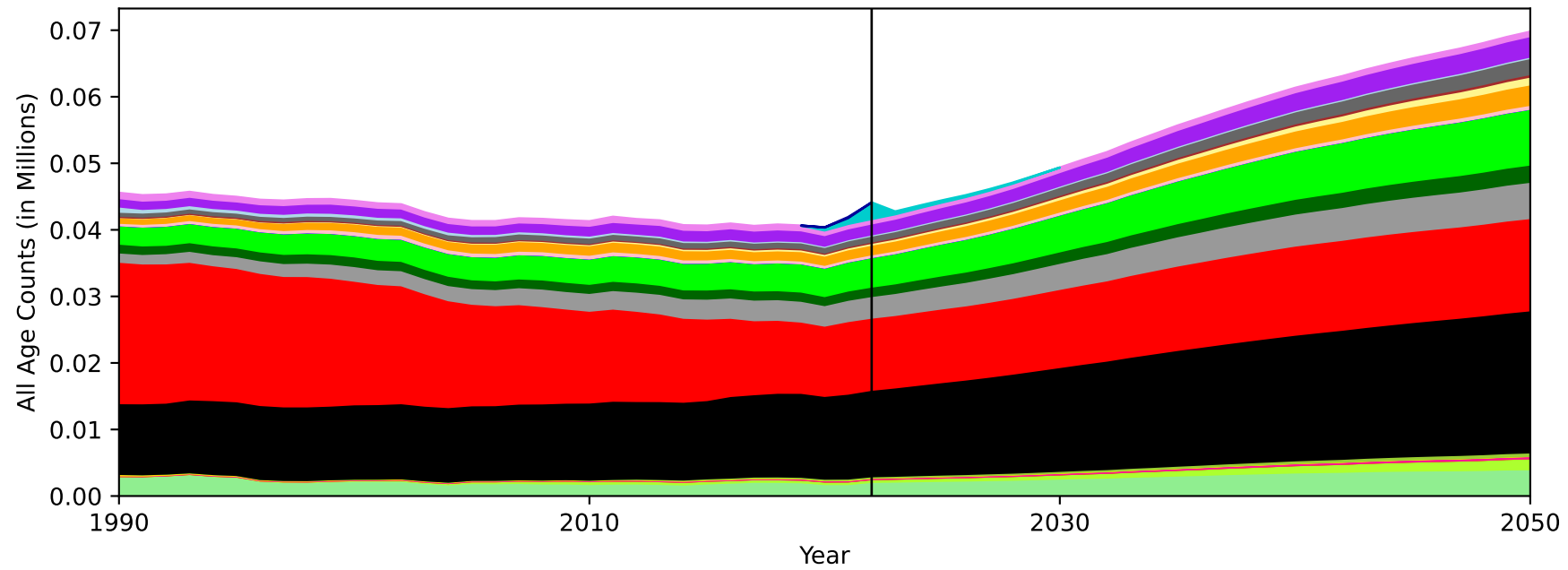
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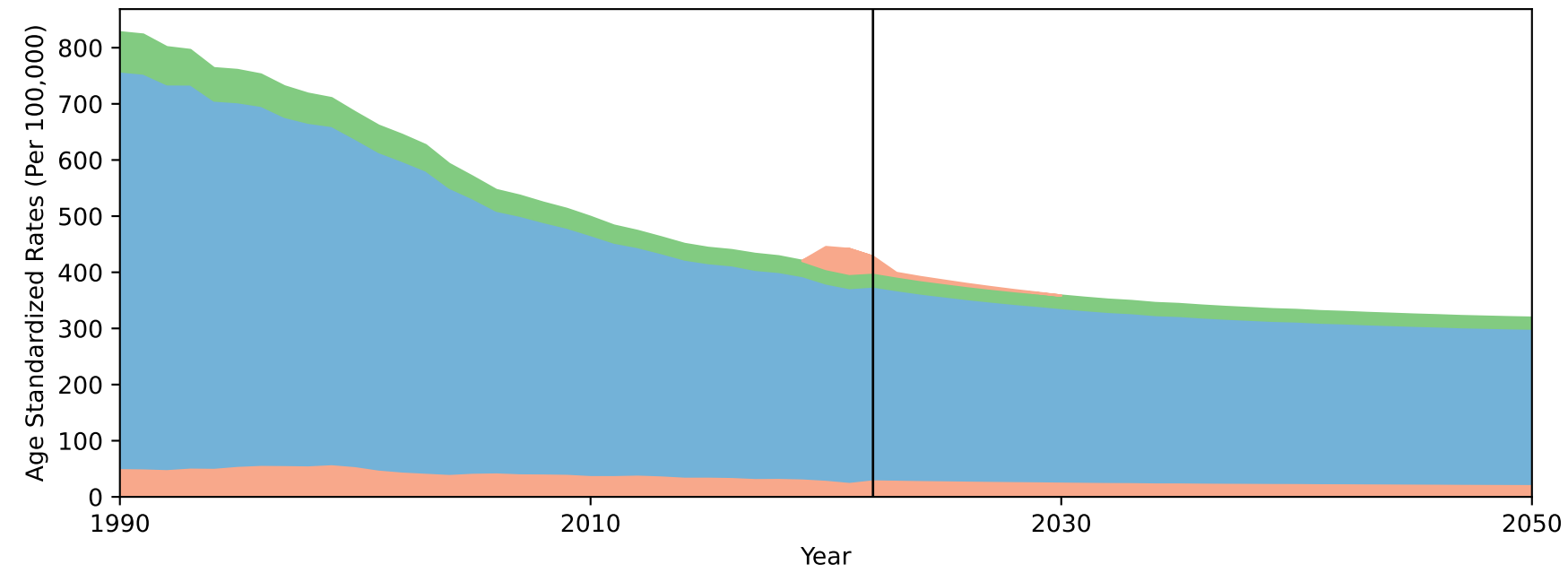


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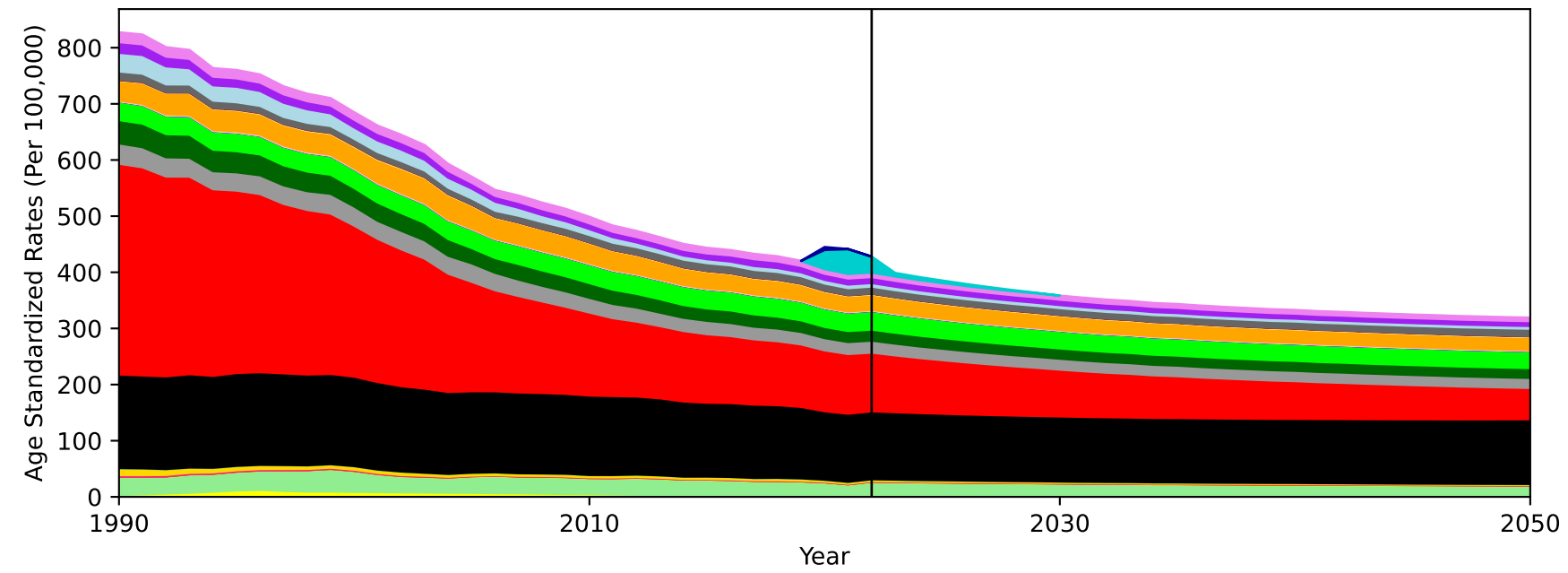


# Portugal

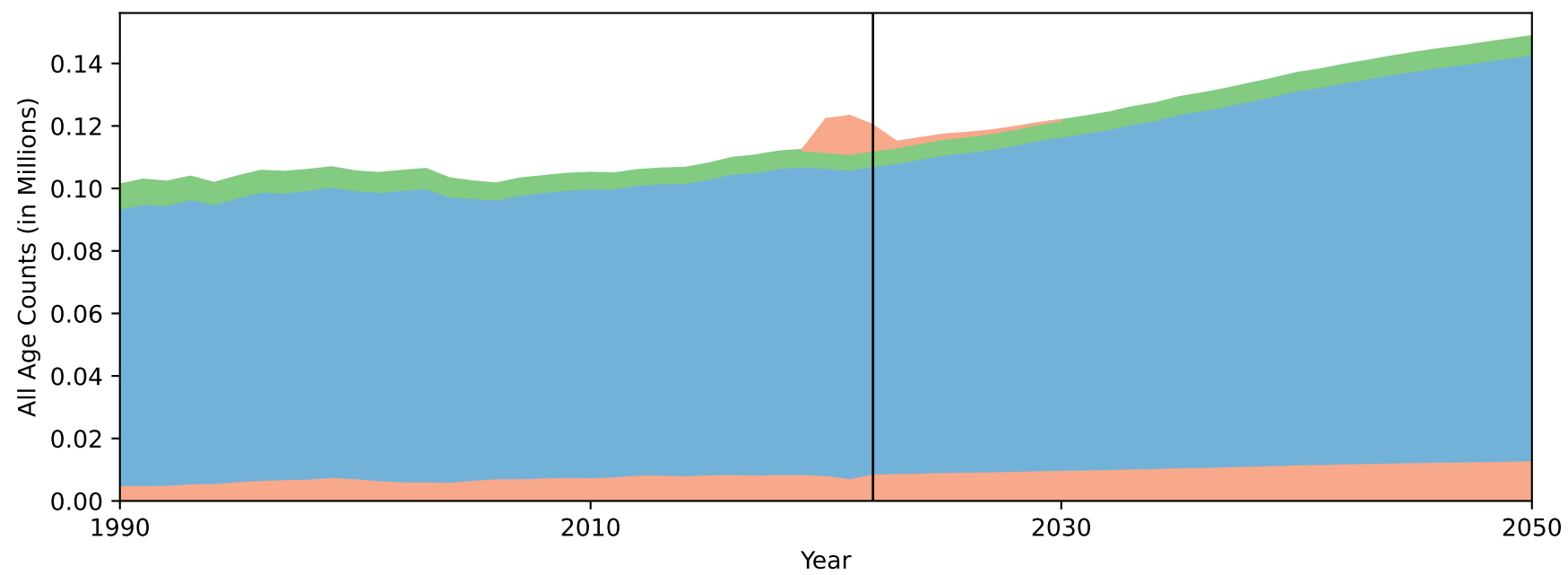
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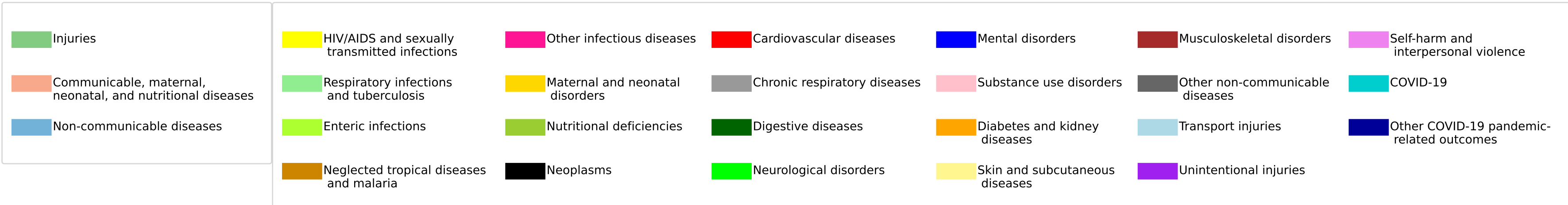
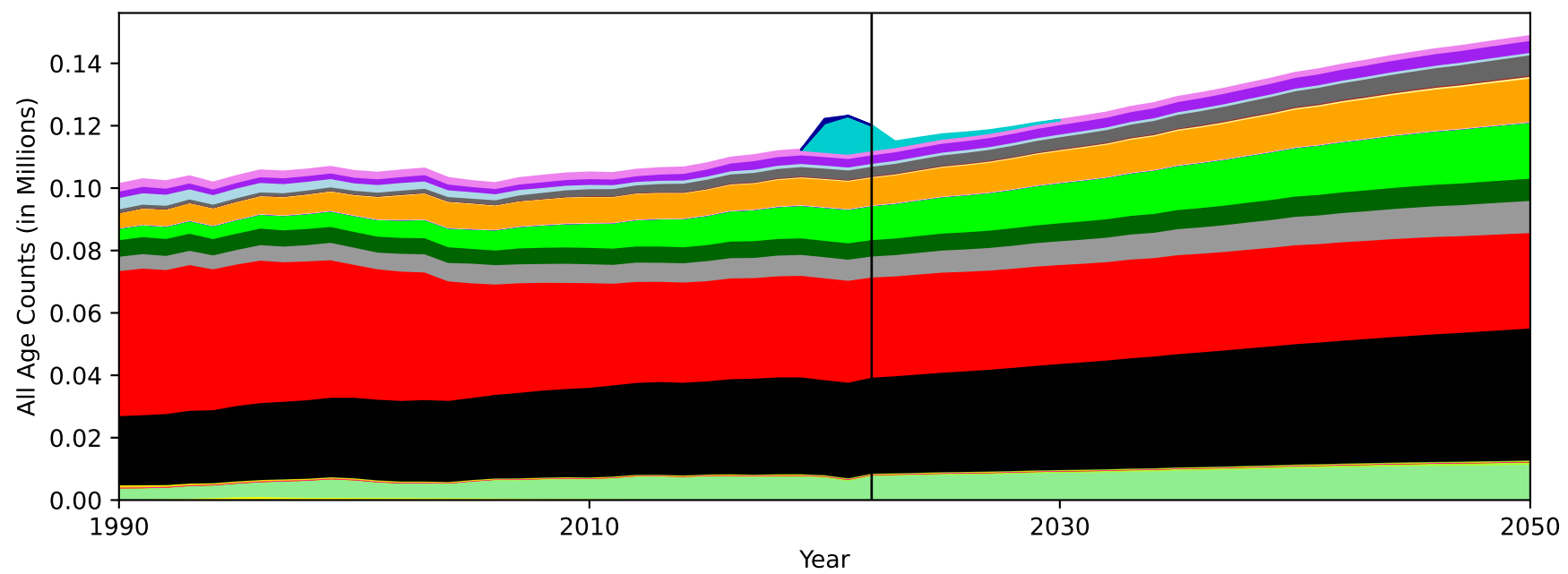
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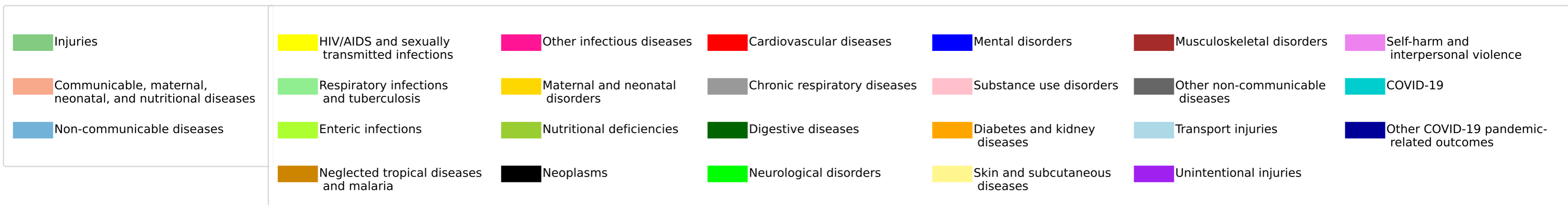
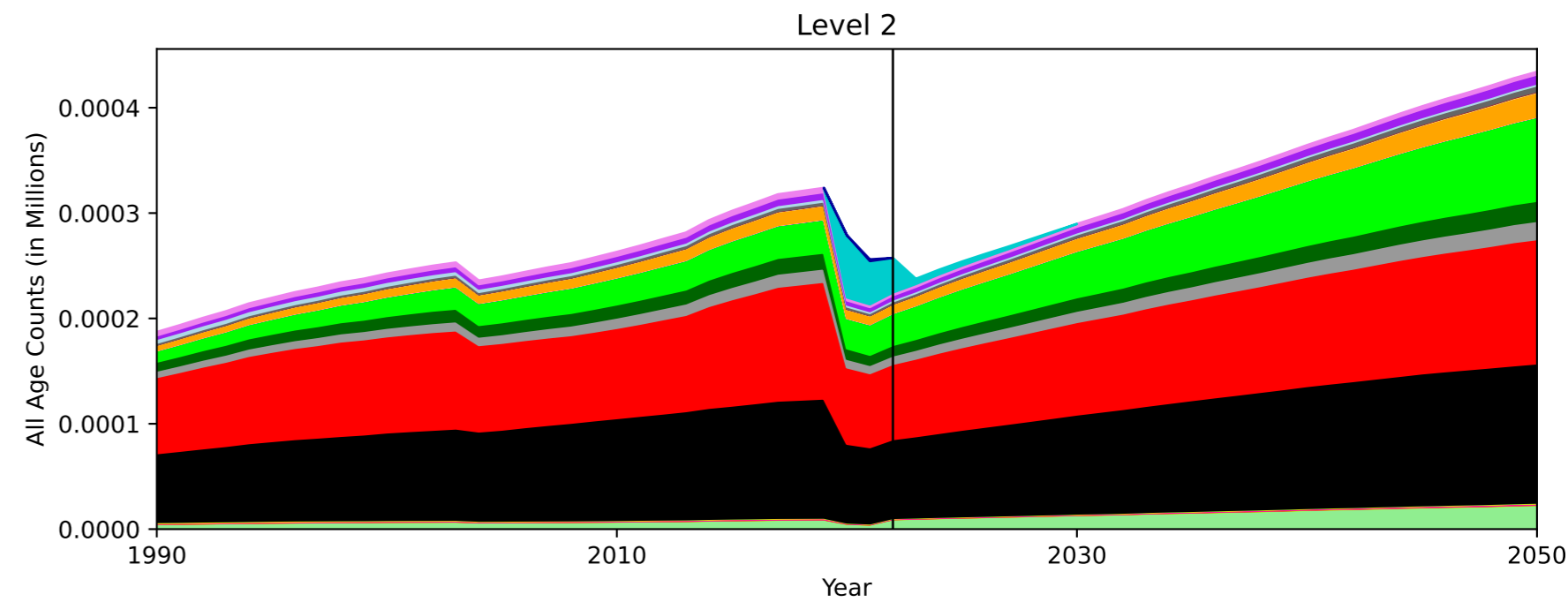
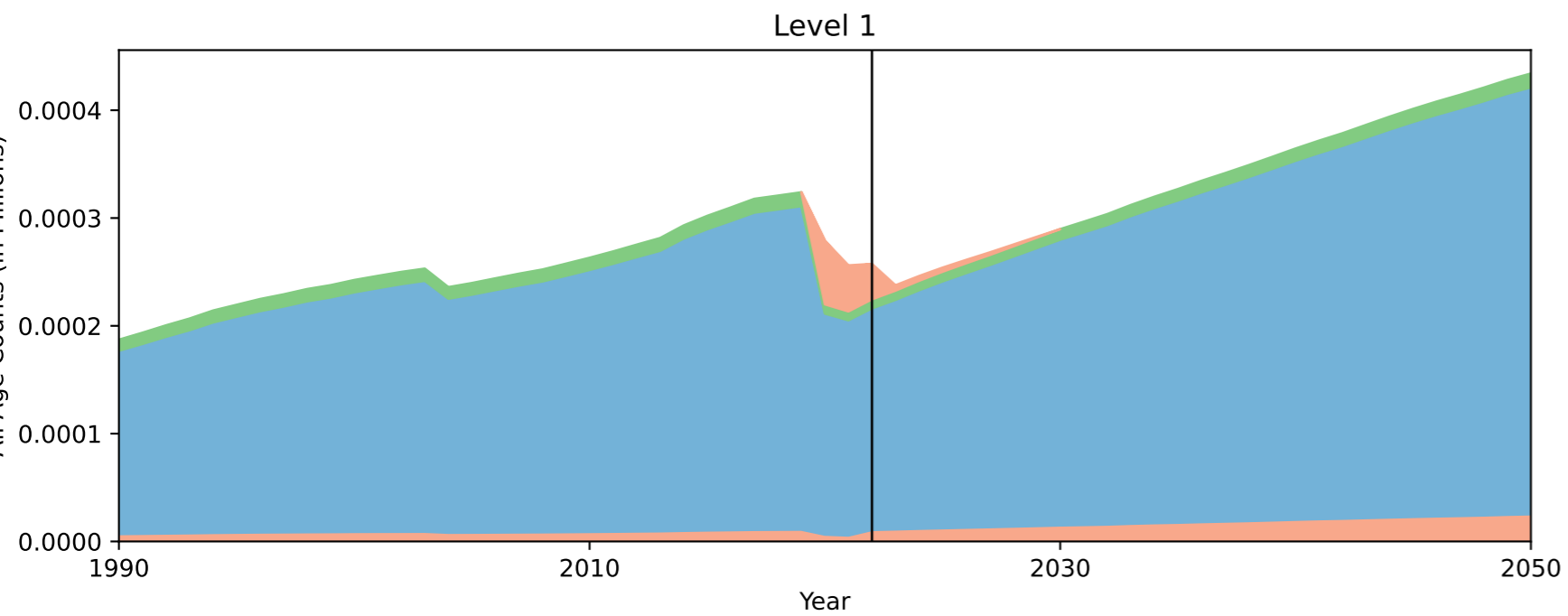
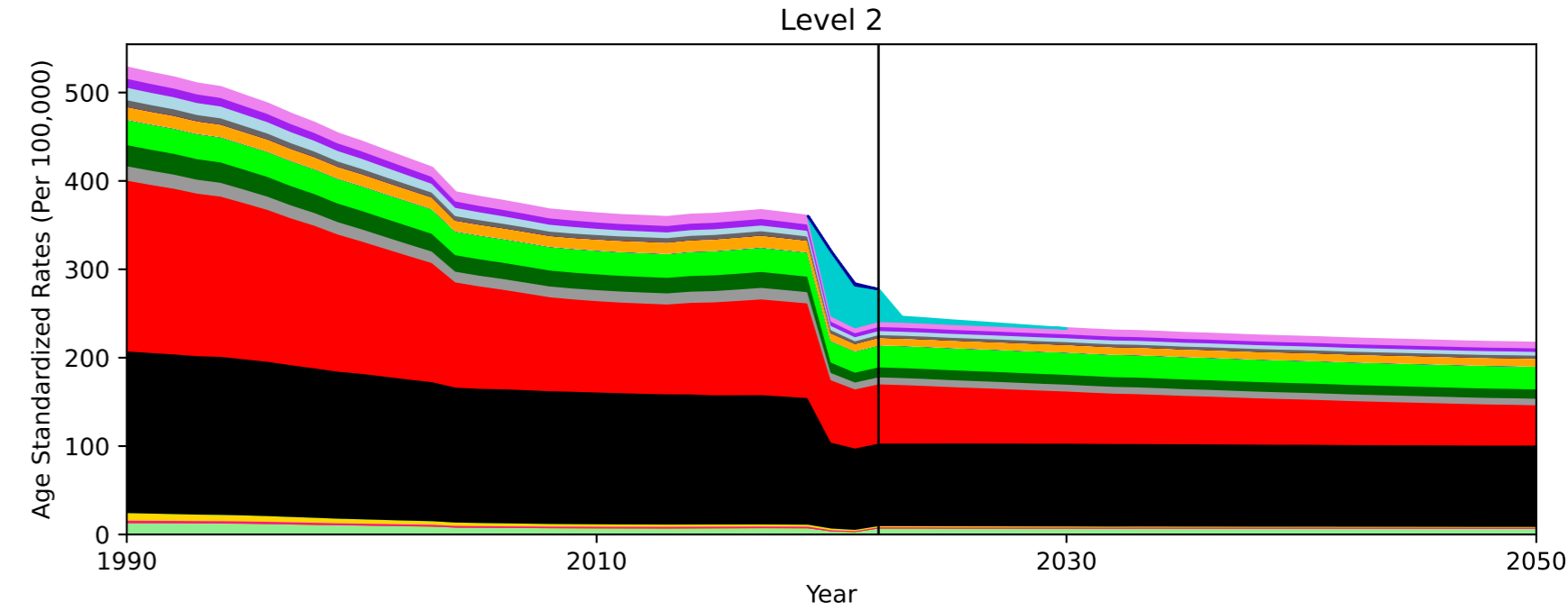
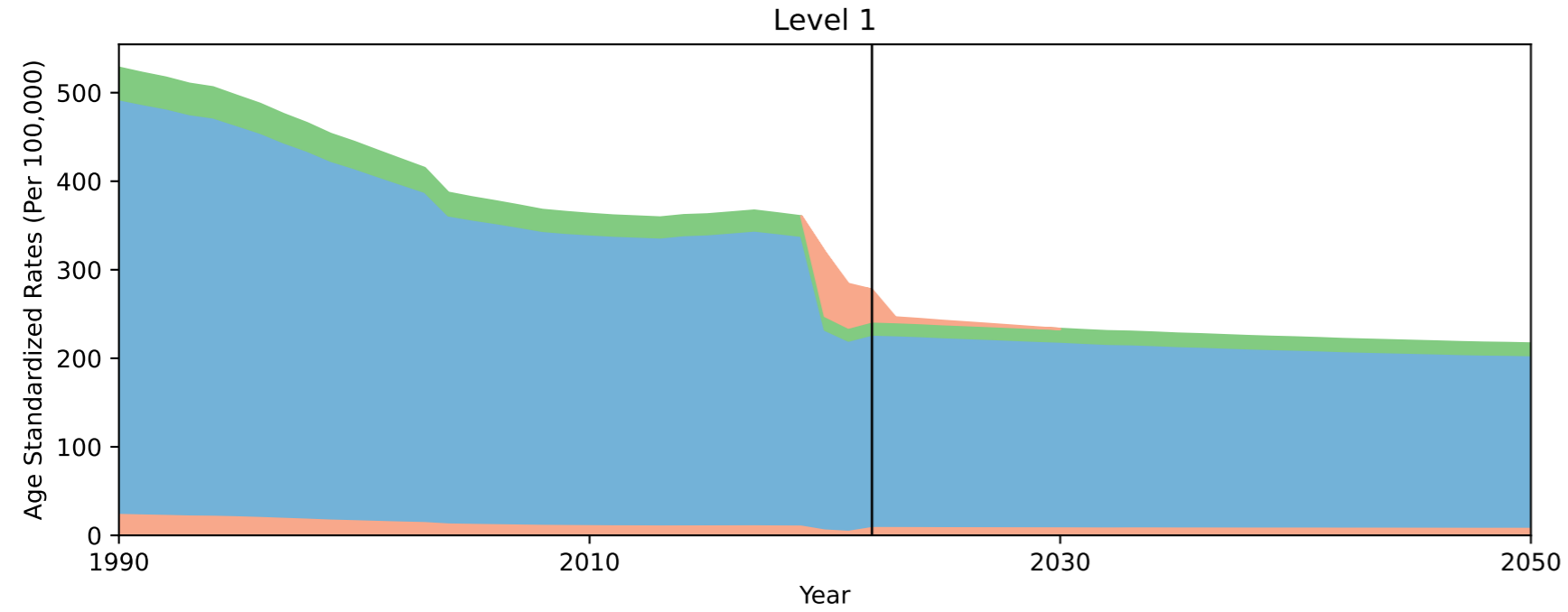
Level 1



Level 2

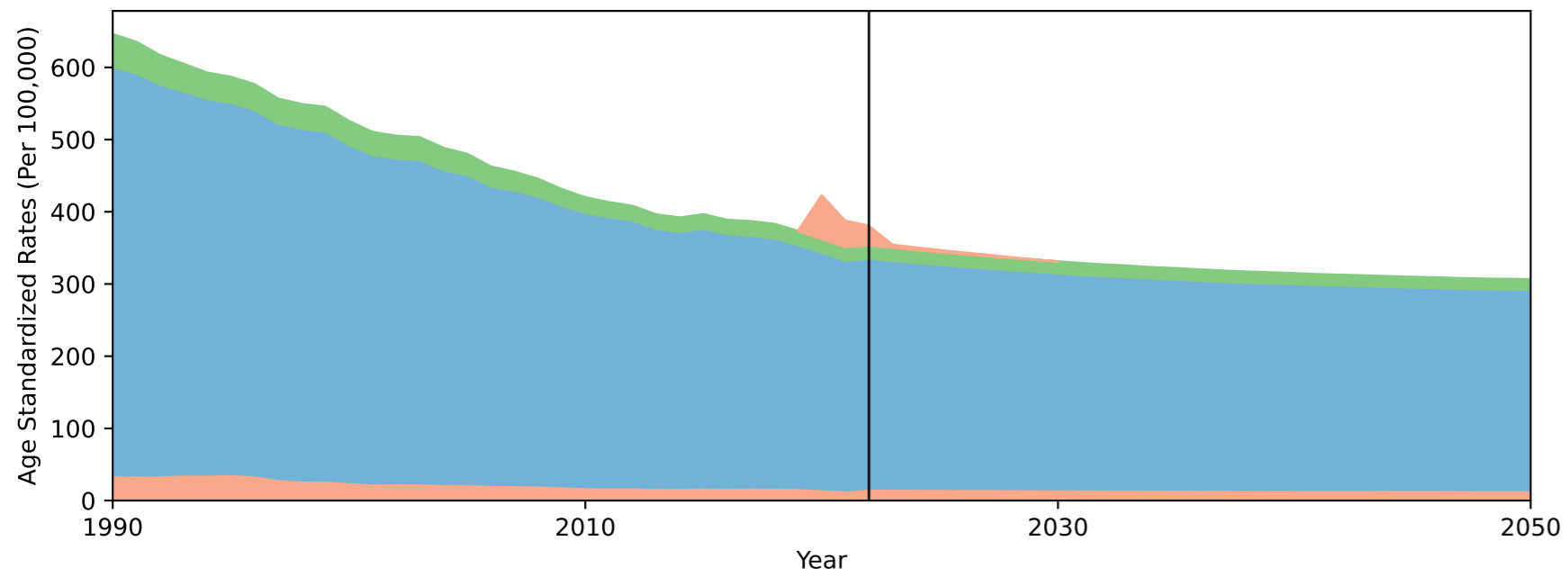


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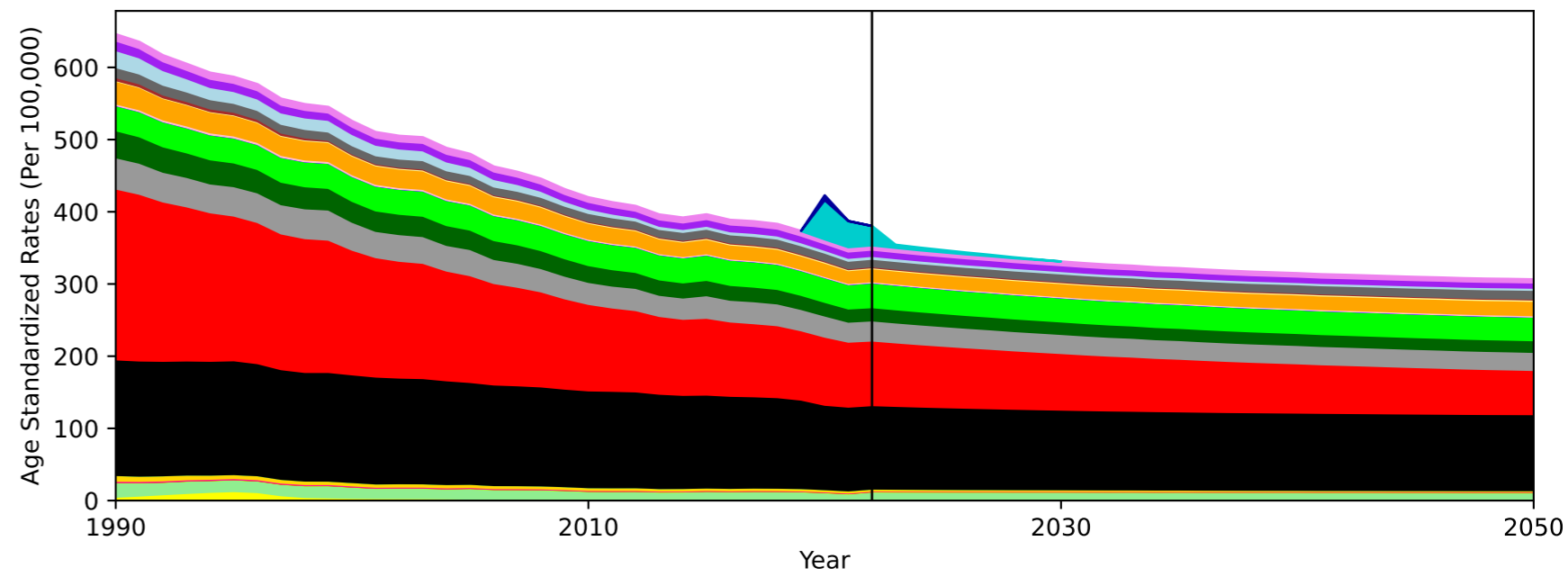


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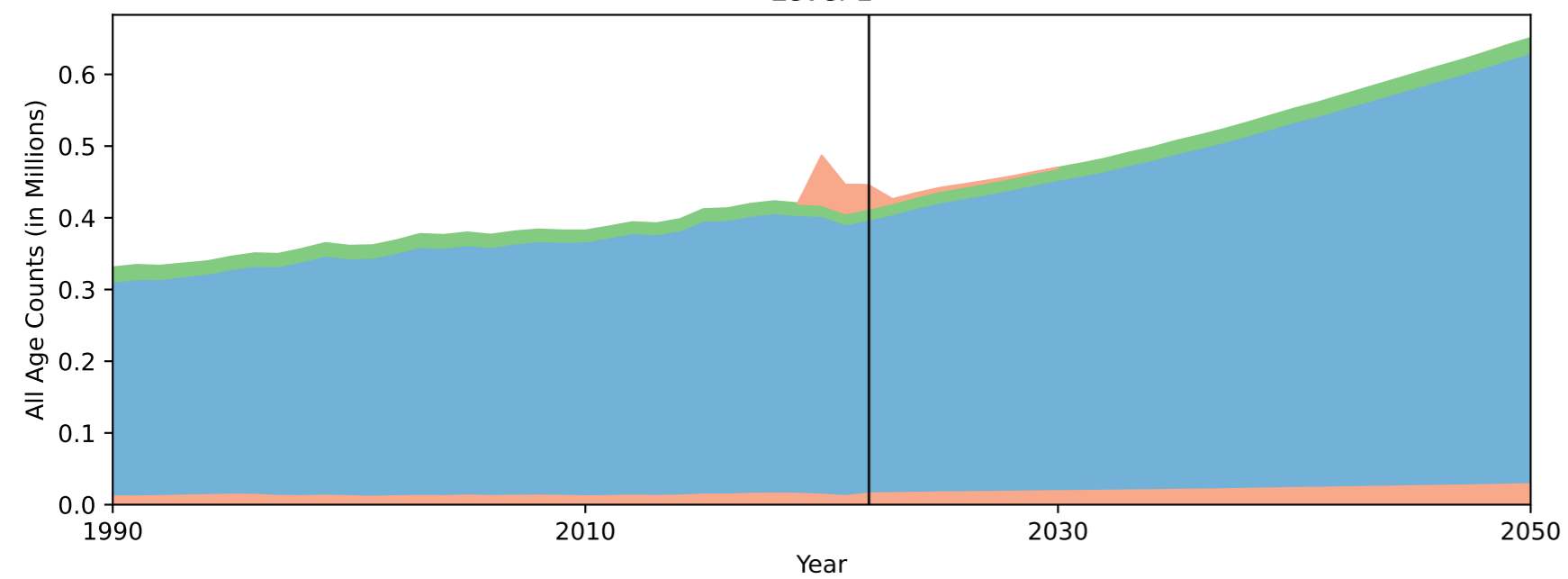
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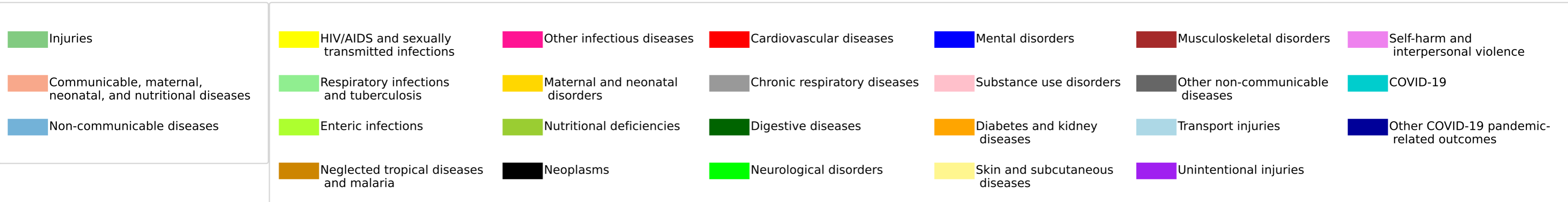
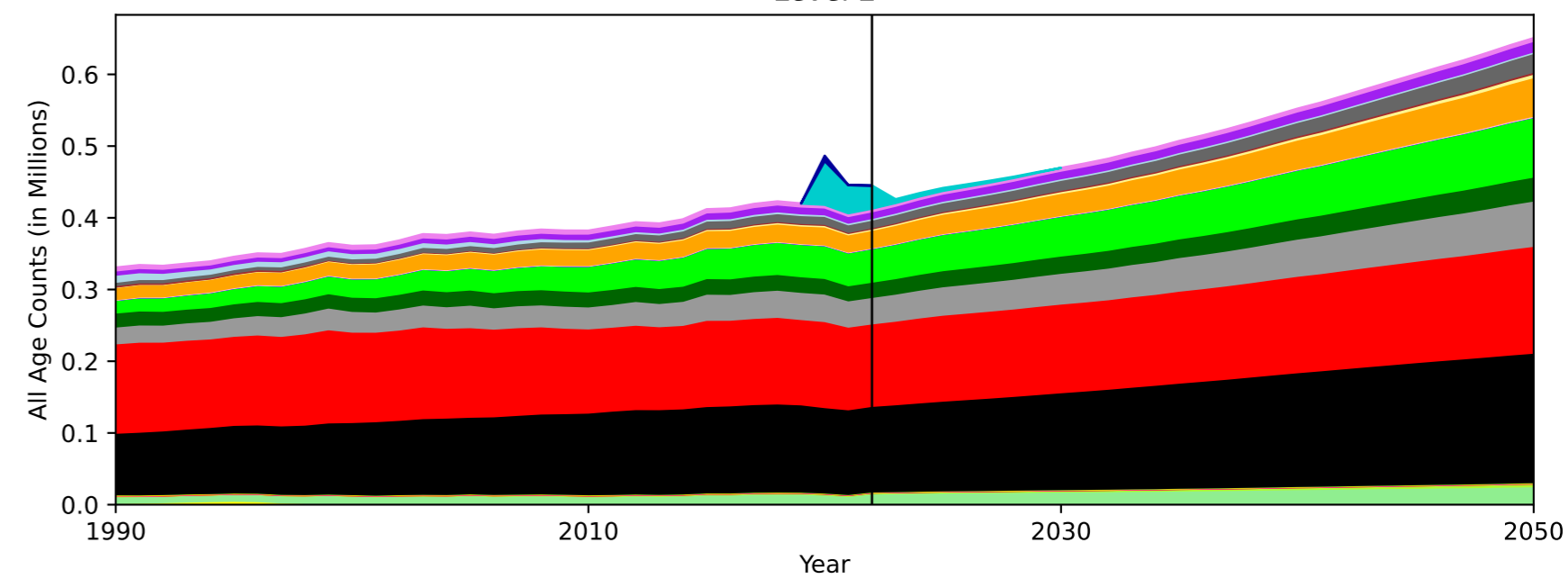
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Level 1

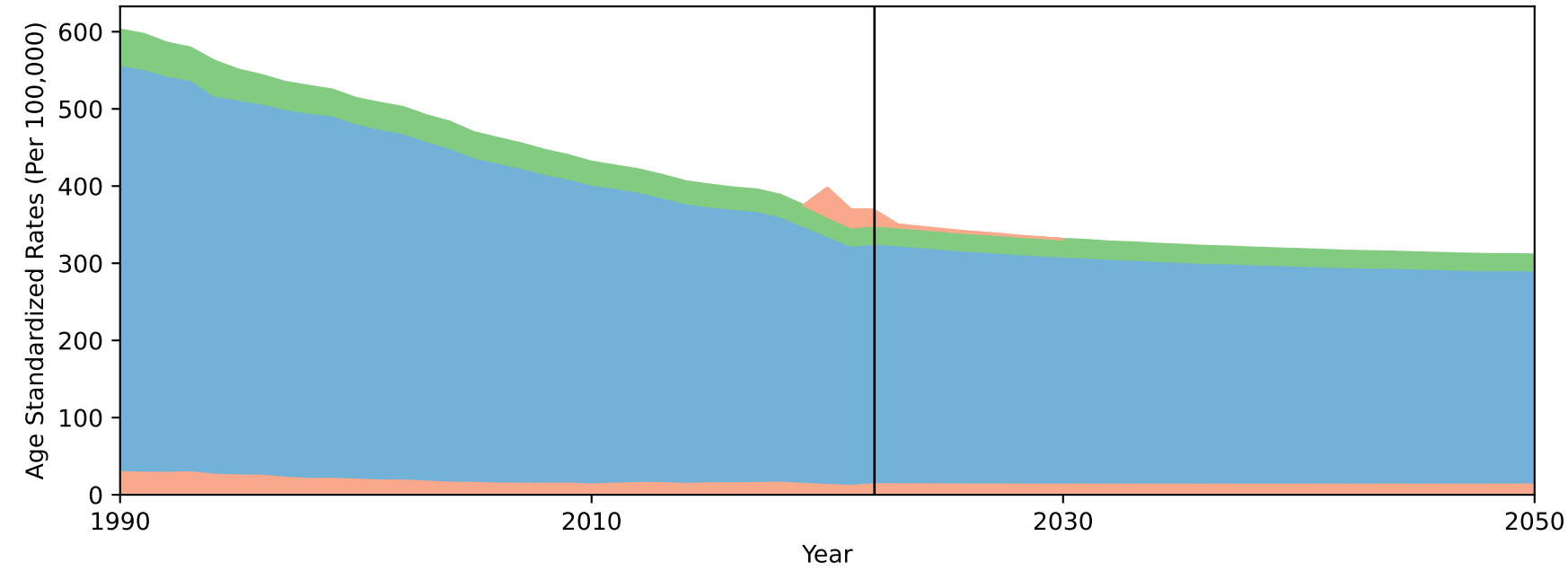


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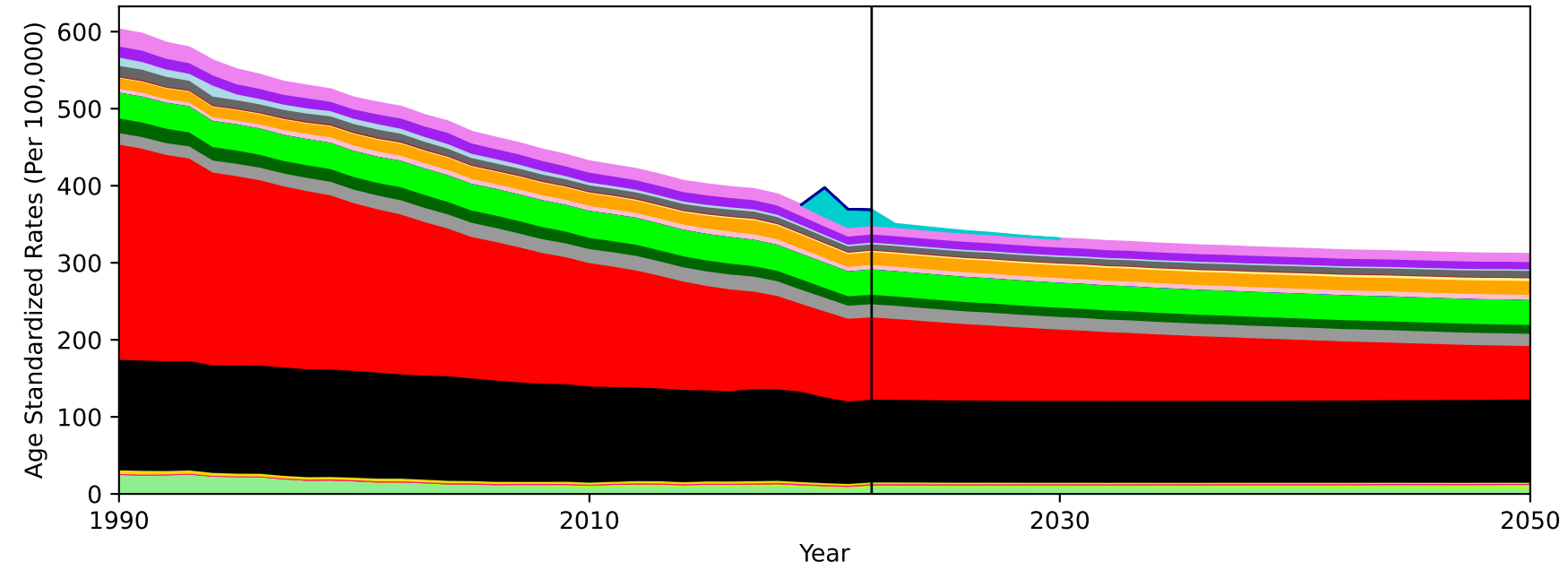


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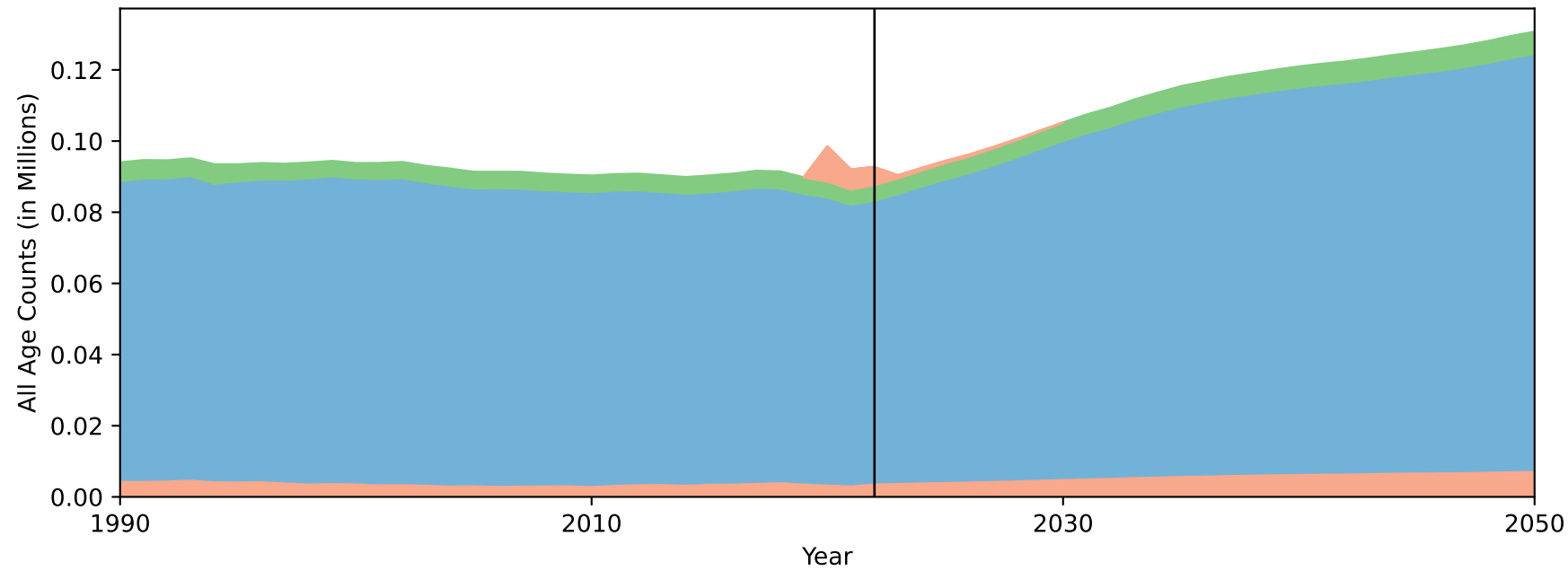
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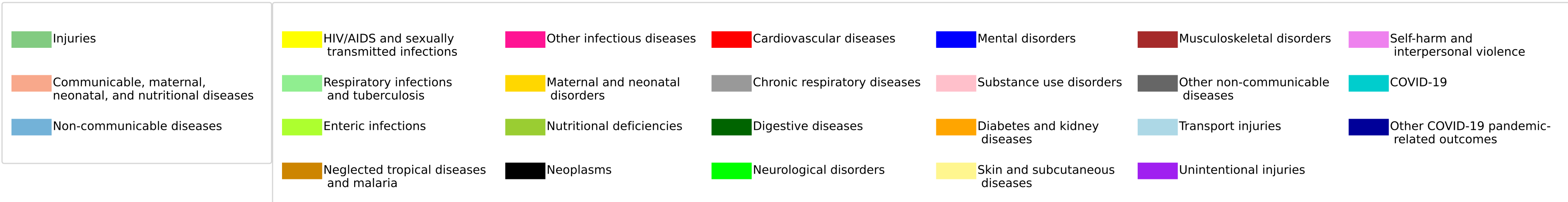
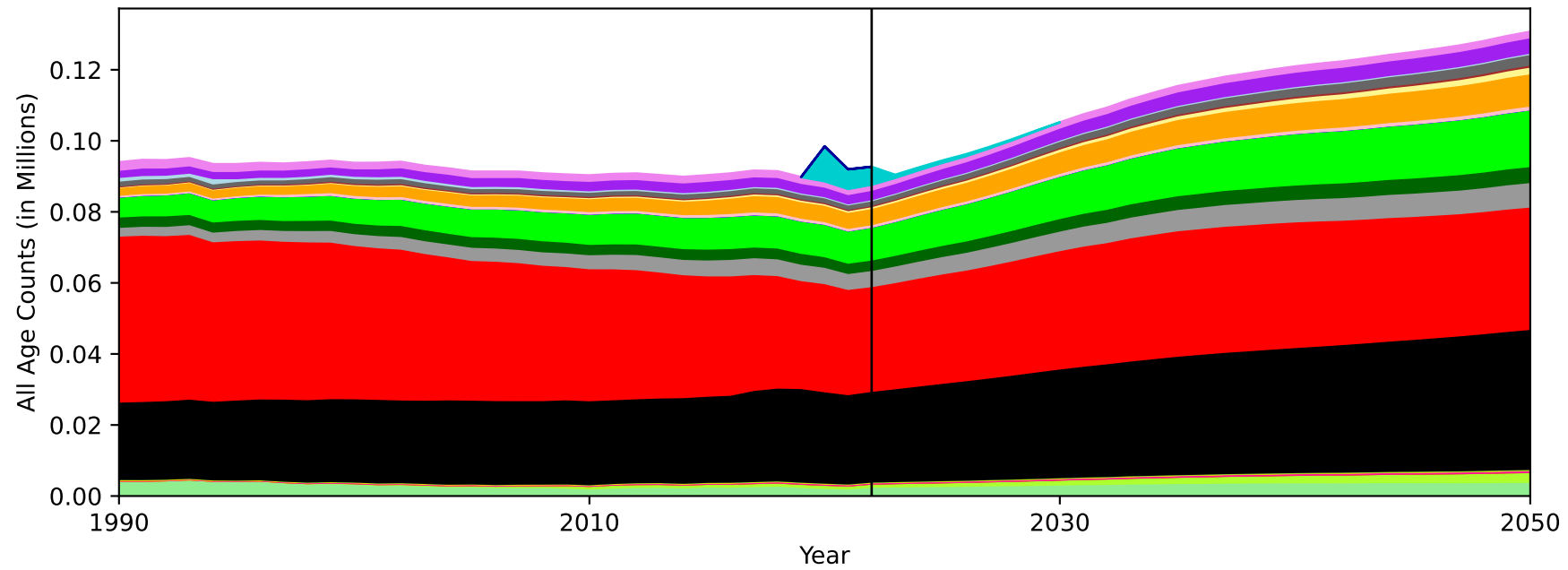
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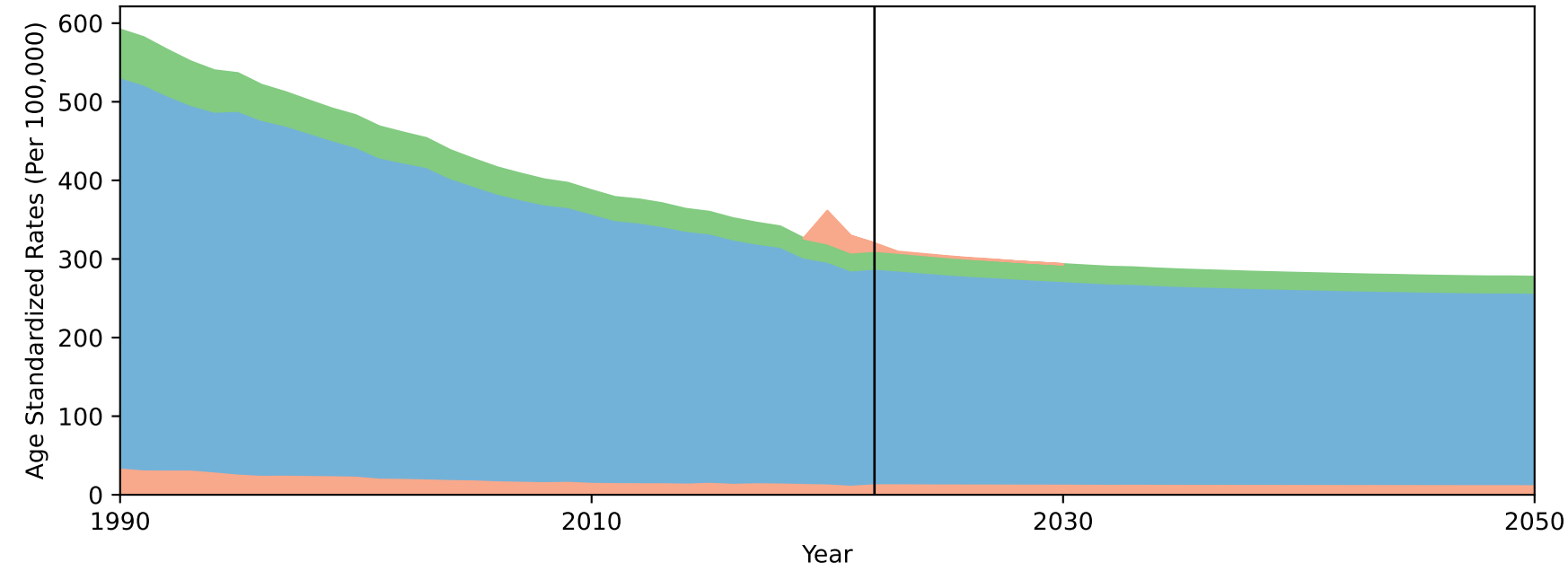


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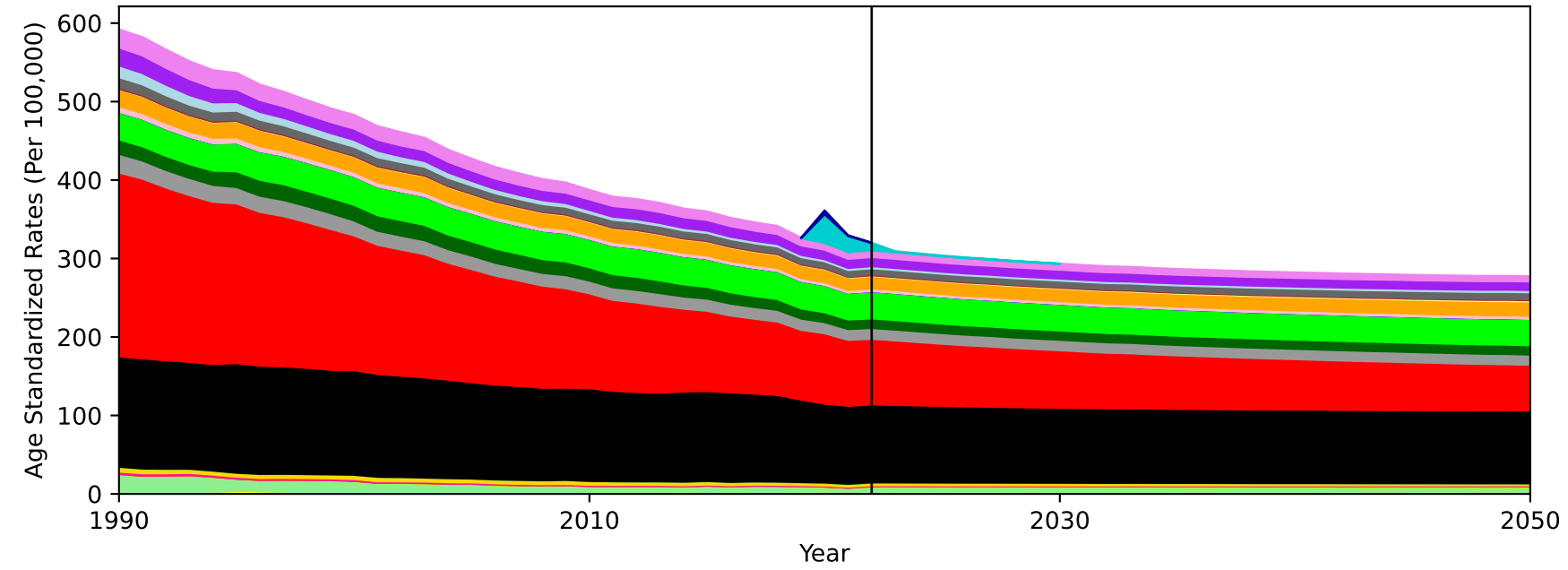


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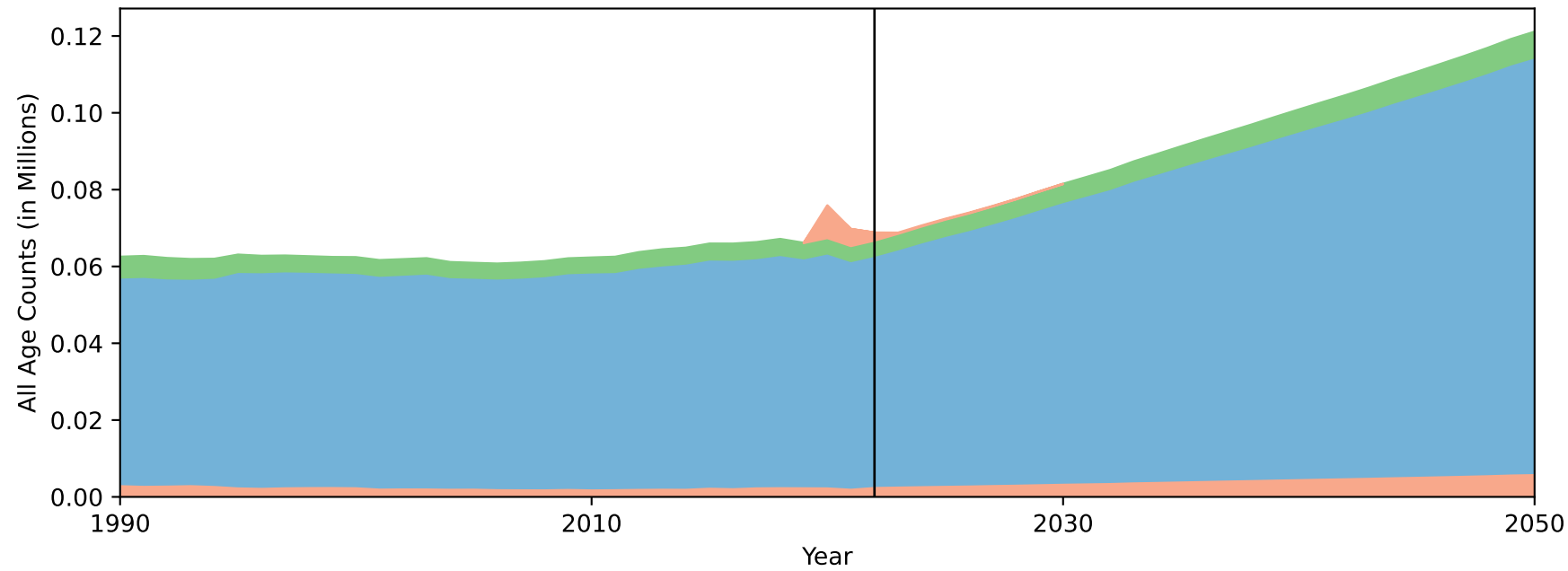
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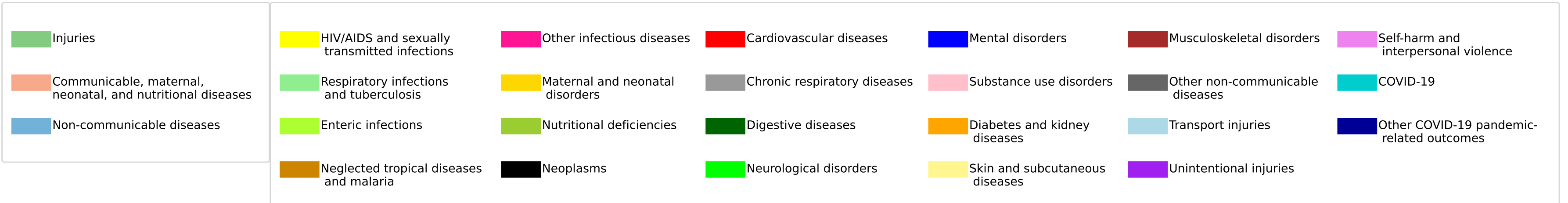
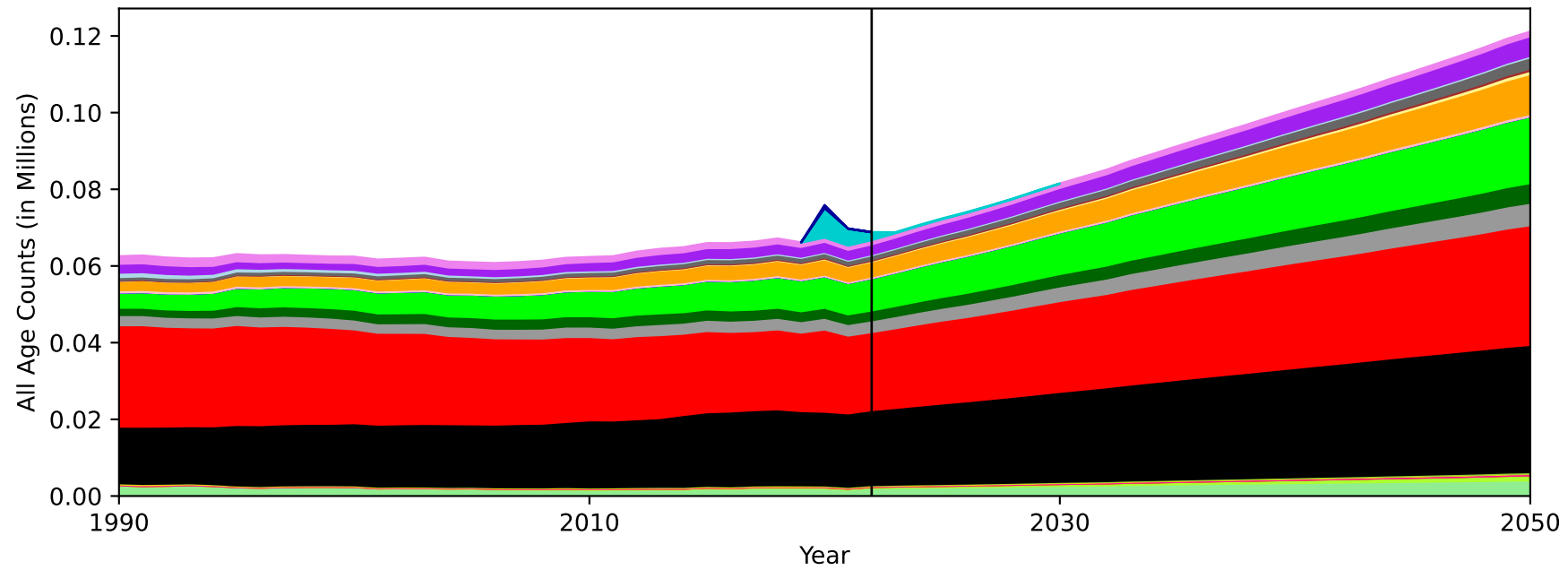
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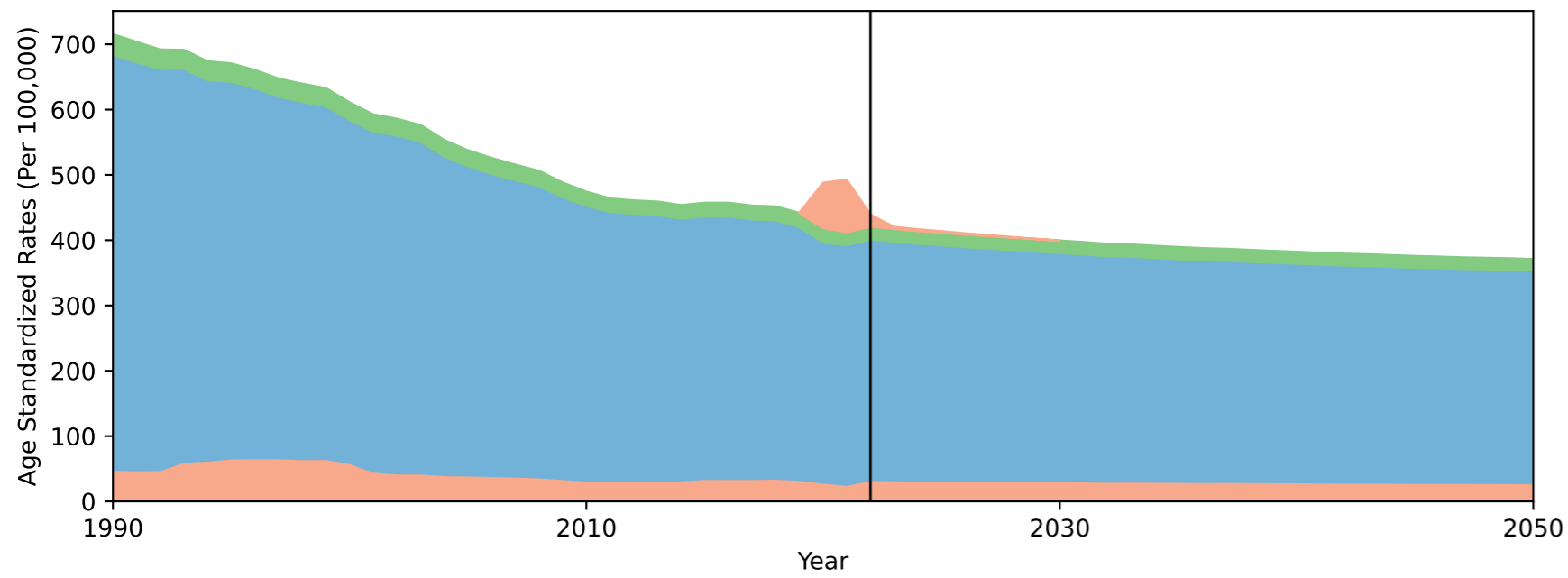
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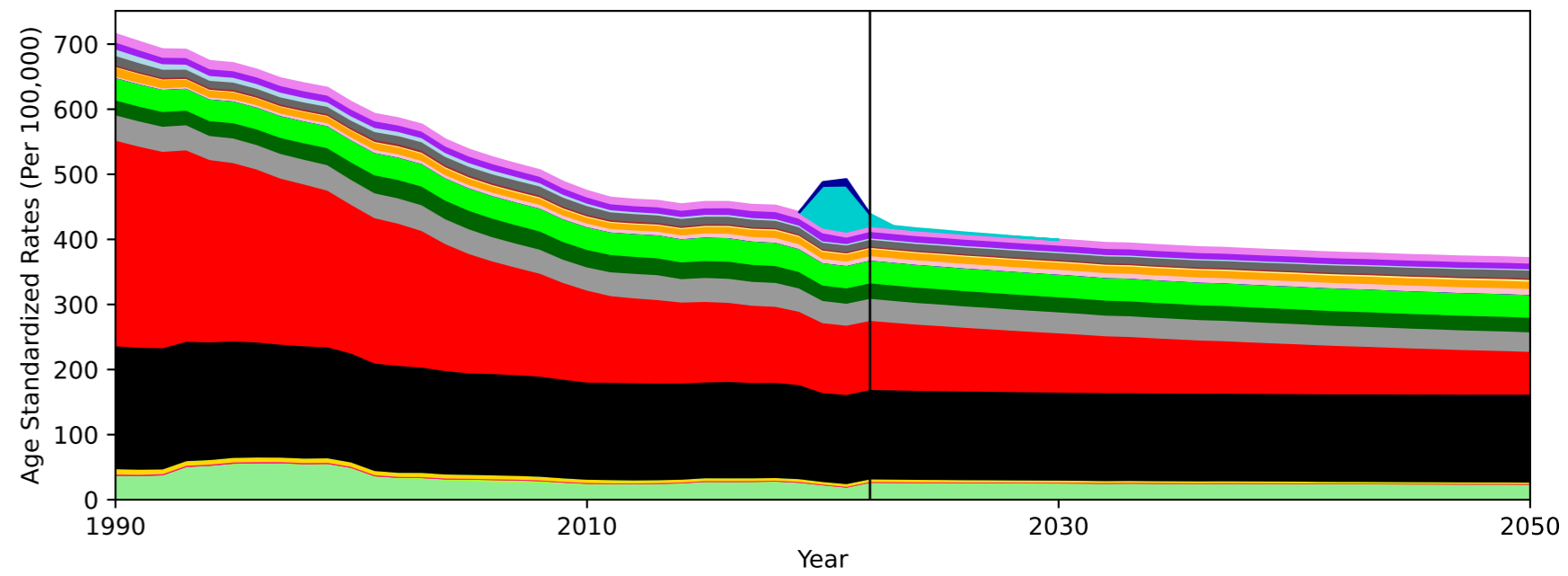


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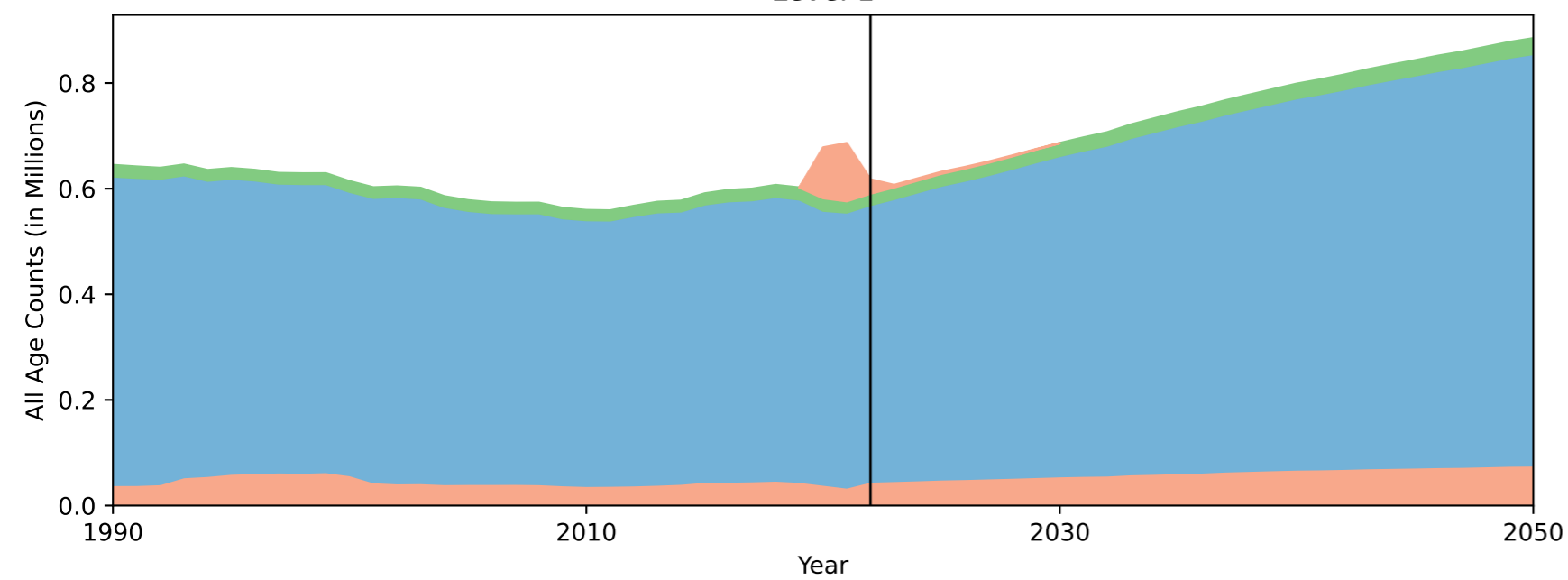


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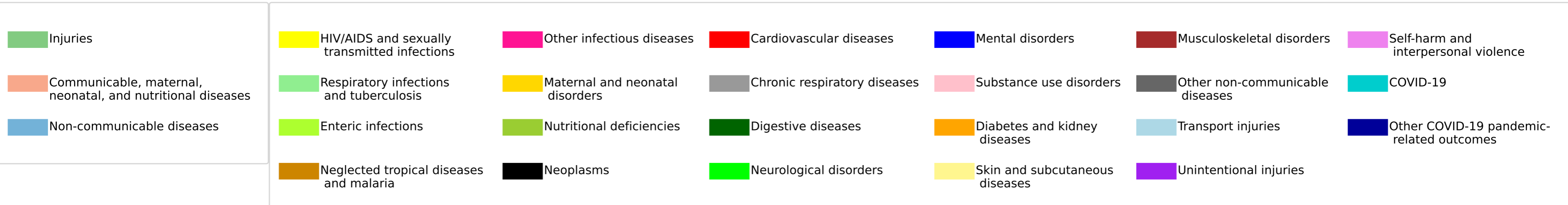
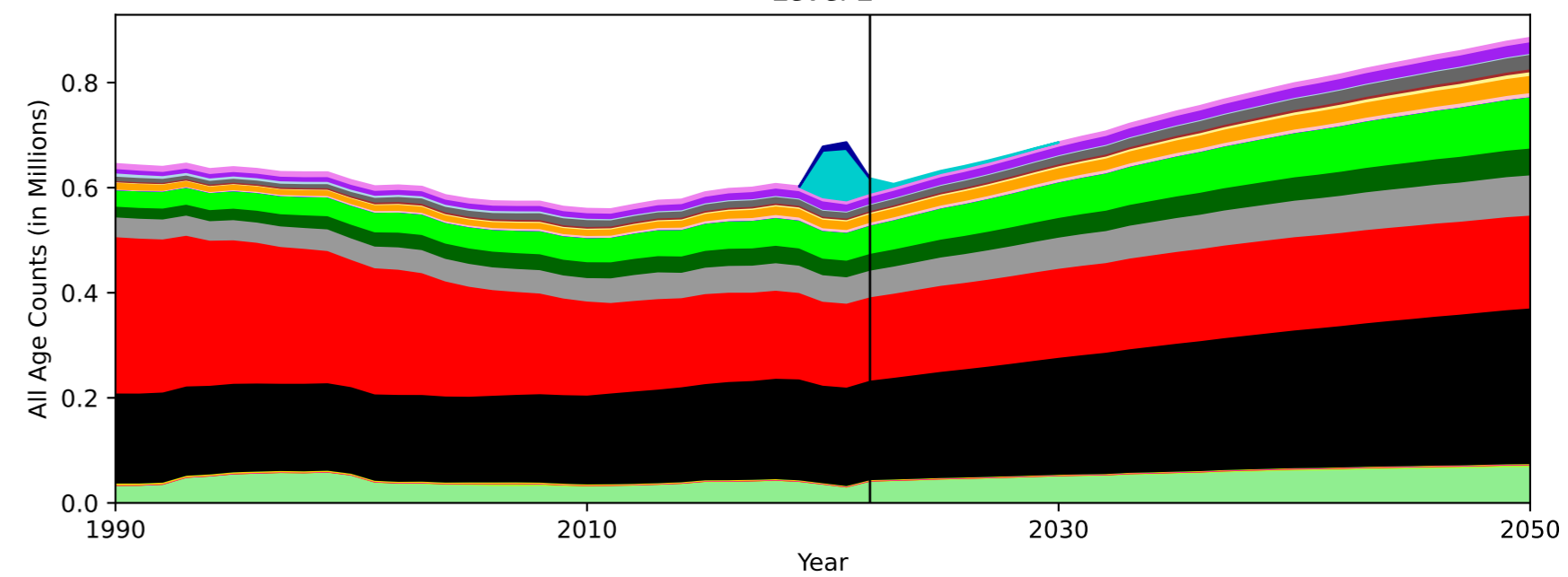
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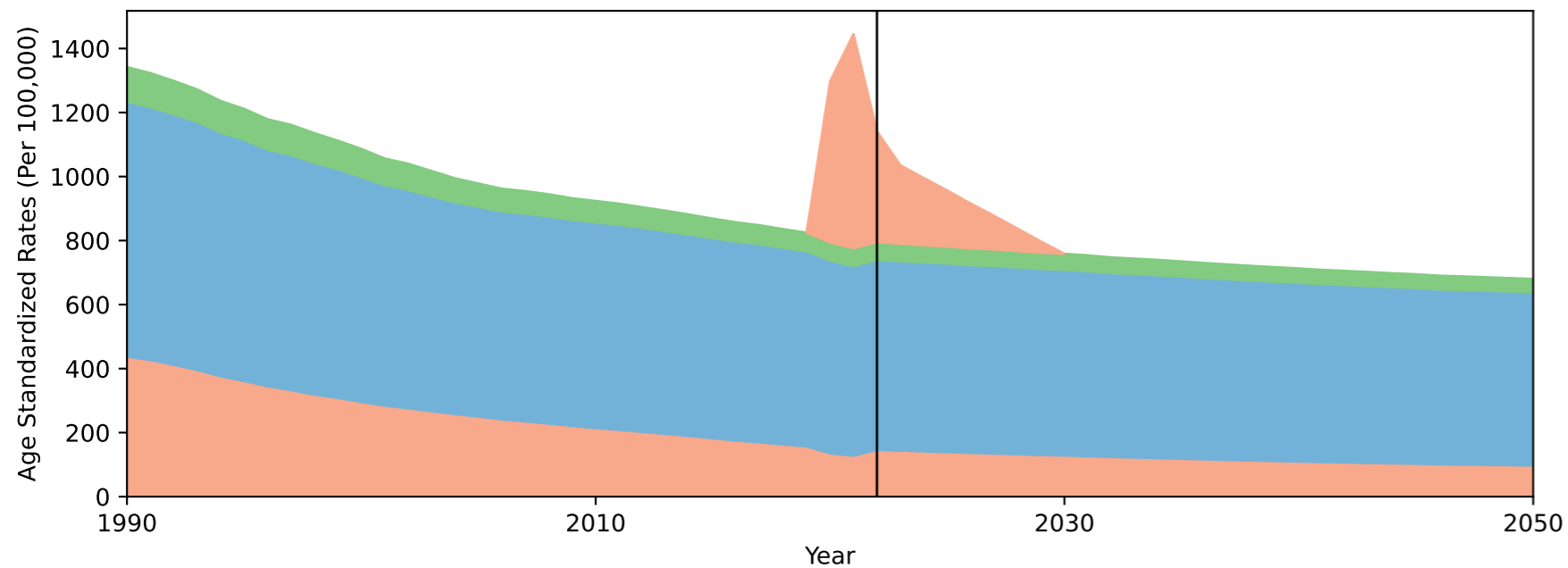


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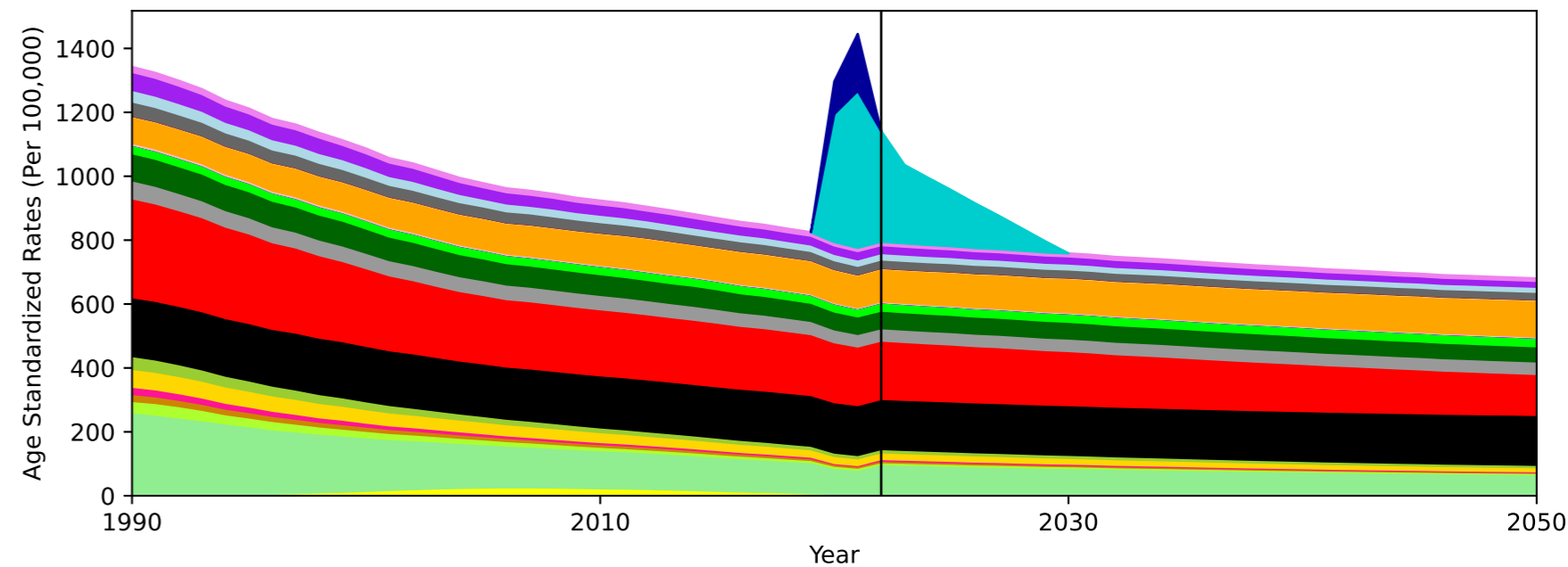


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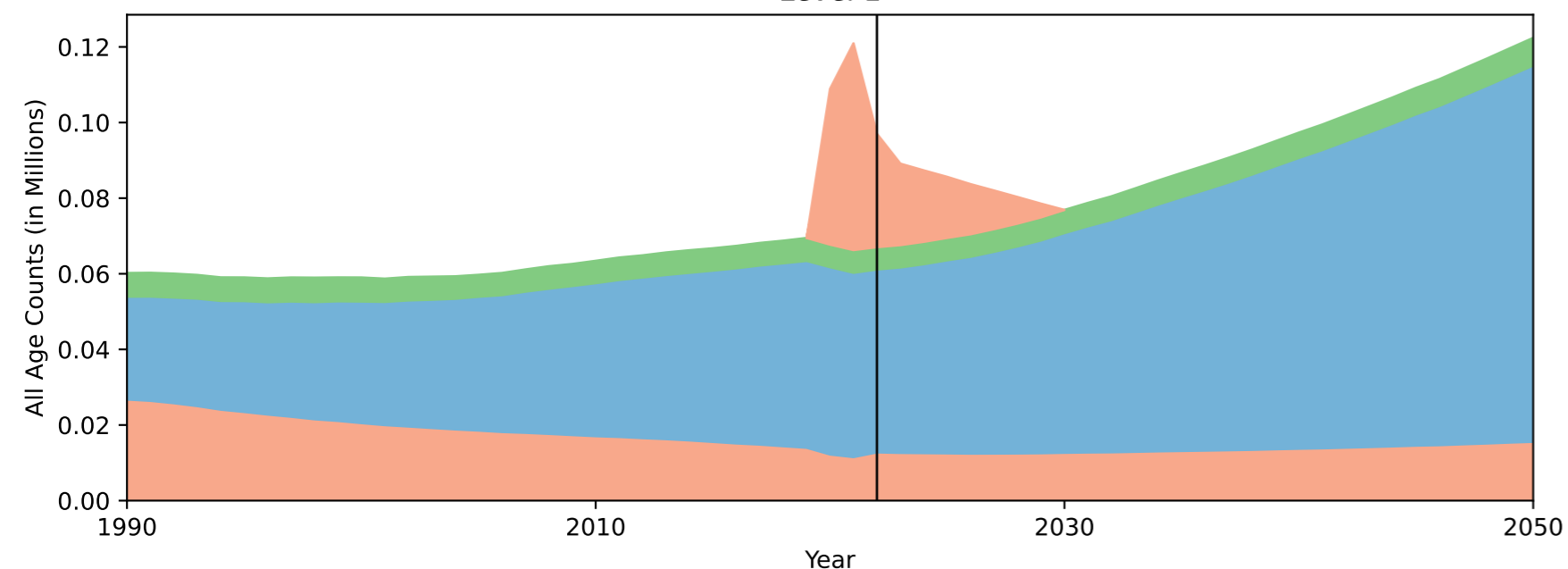
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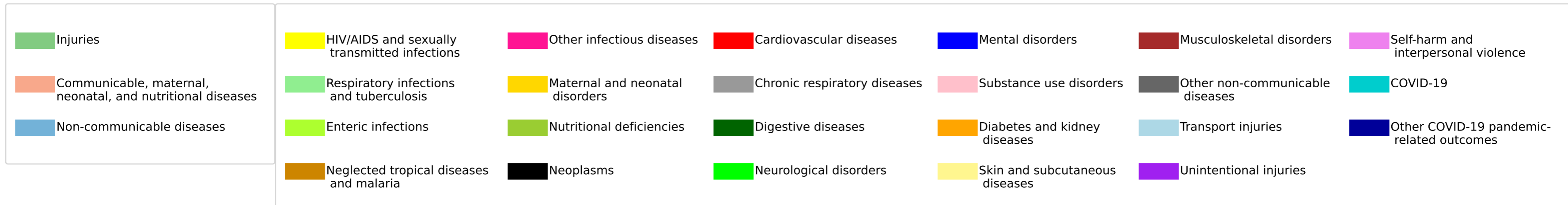
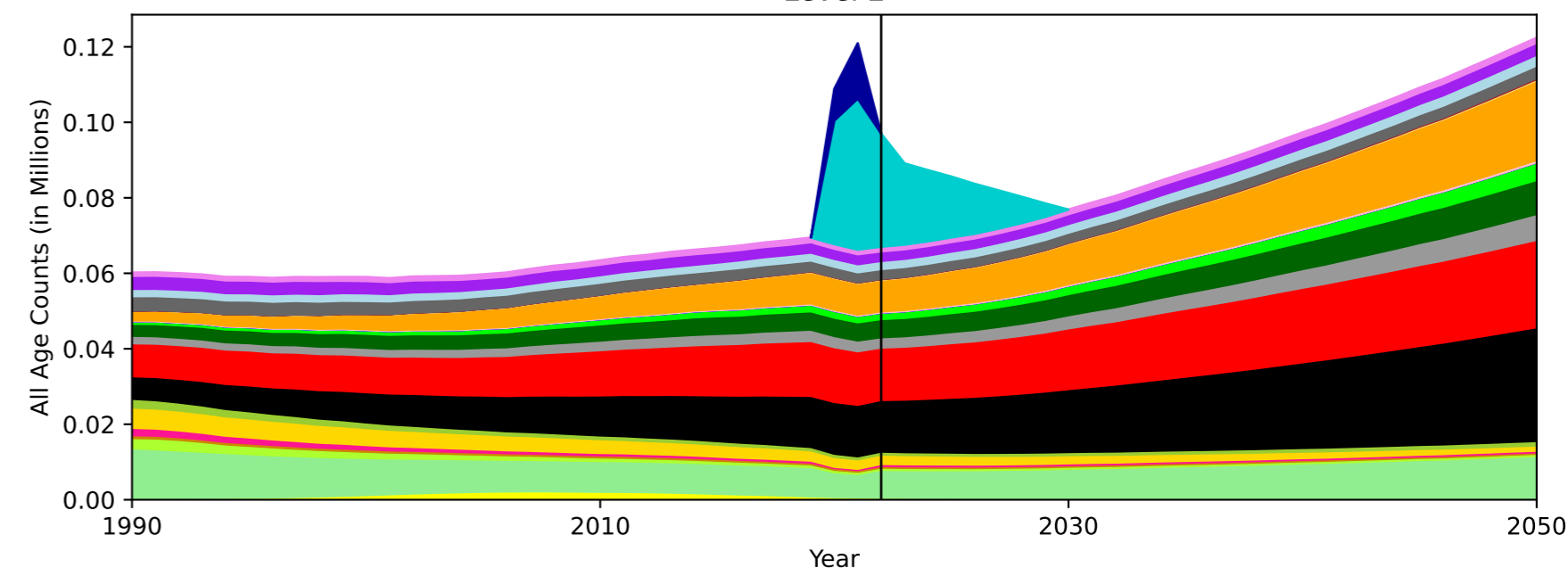
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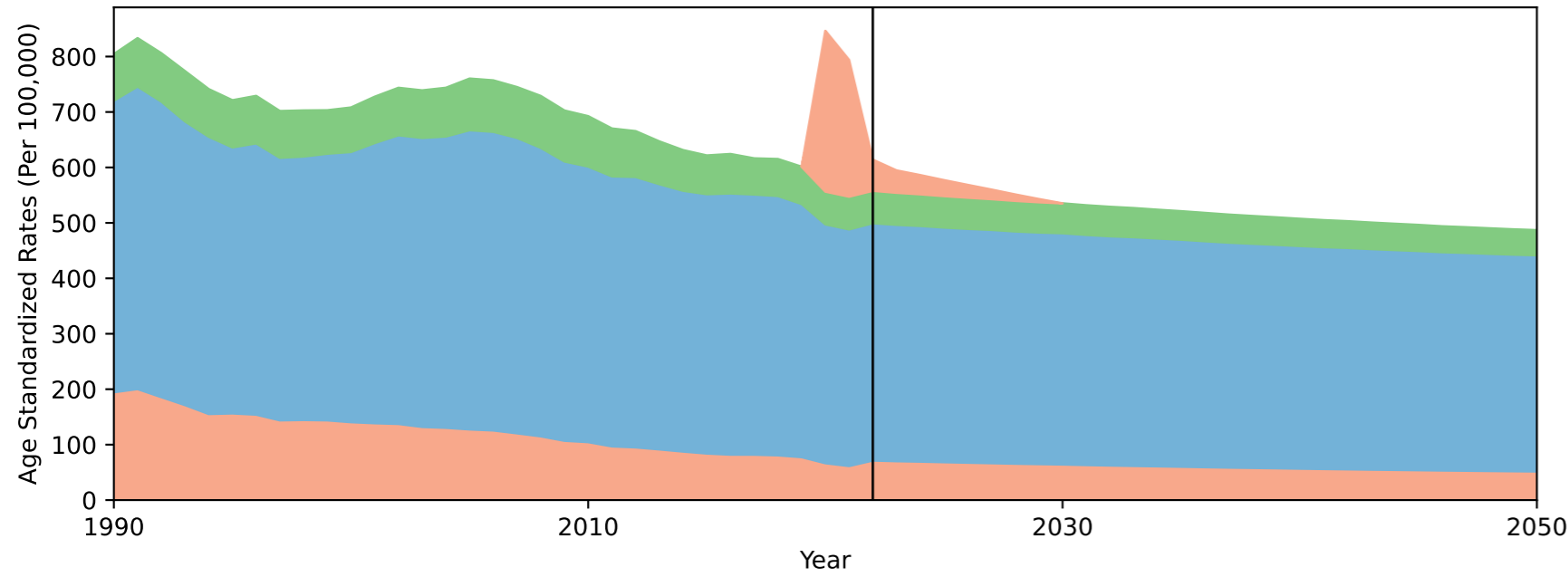


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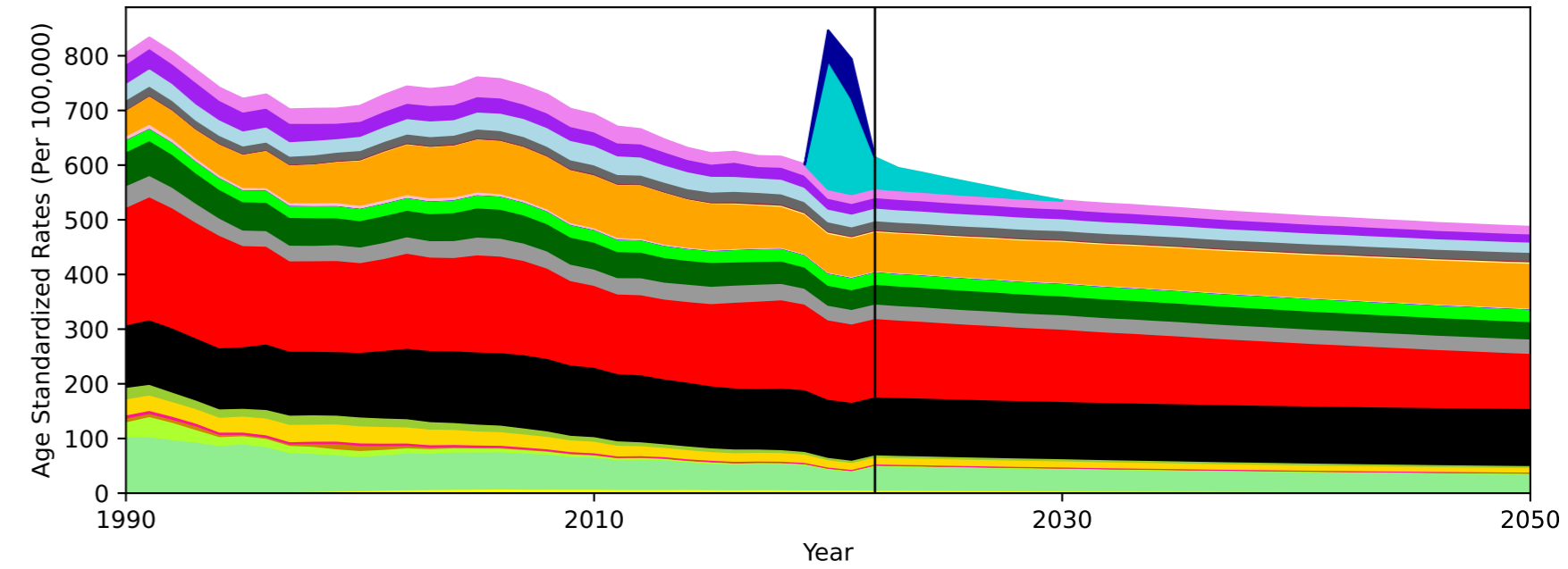




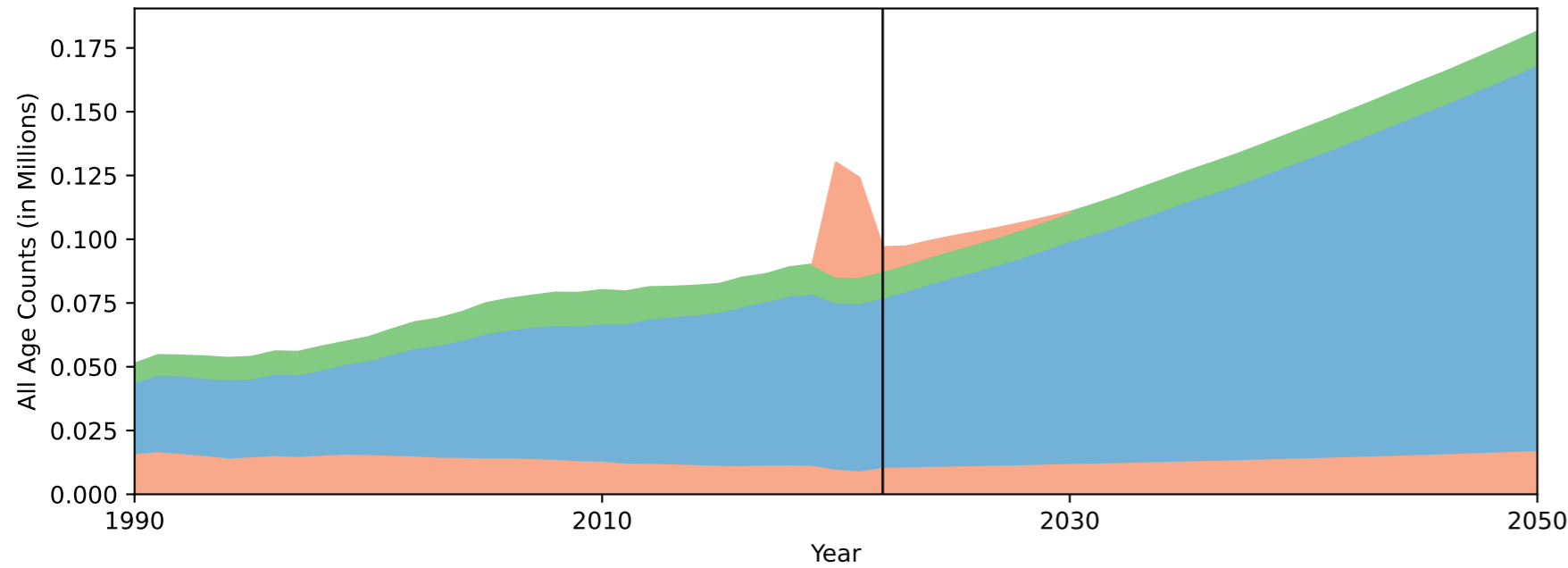
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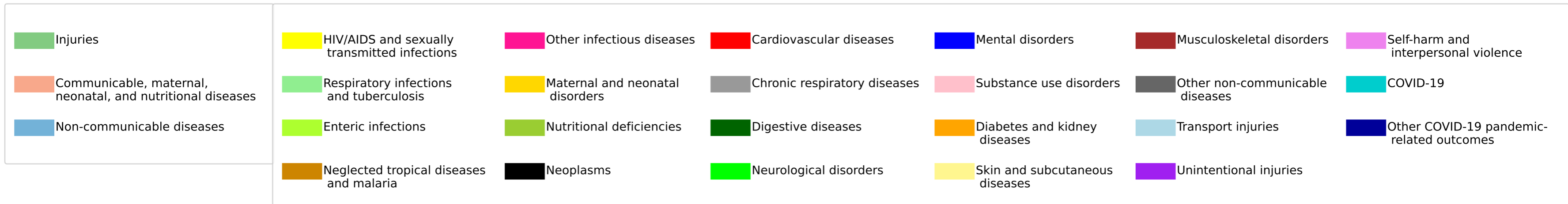
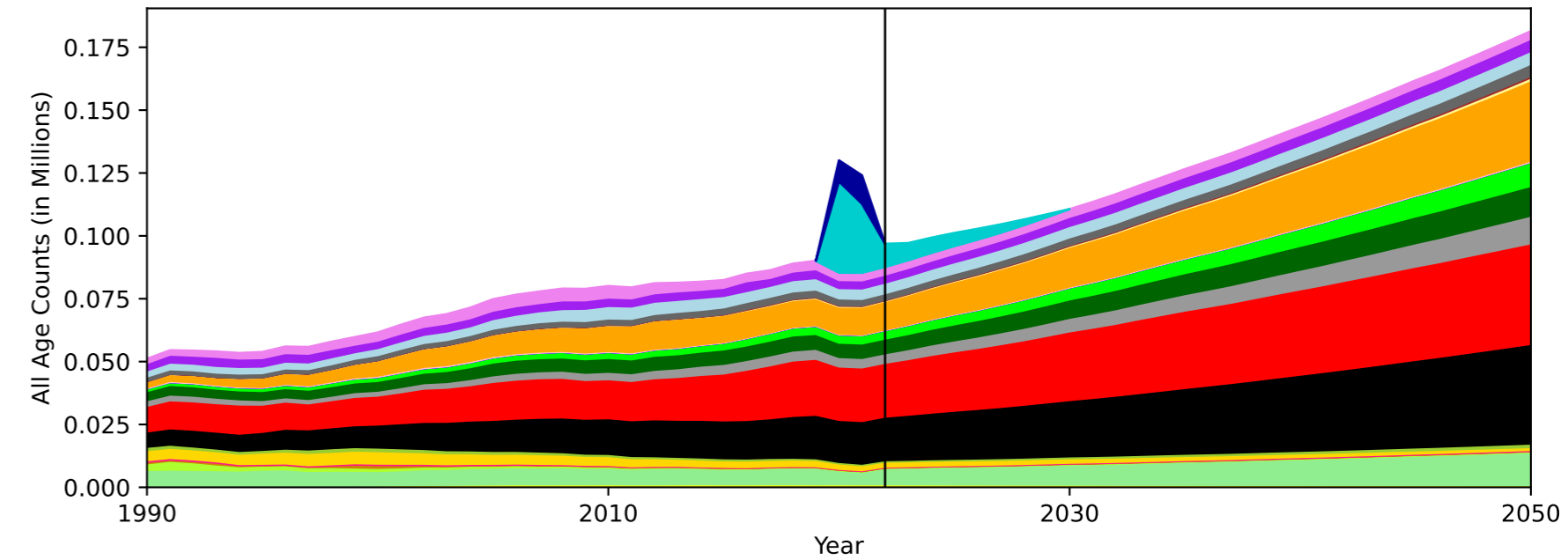
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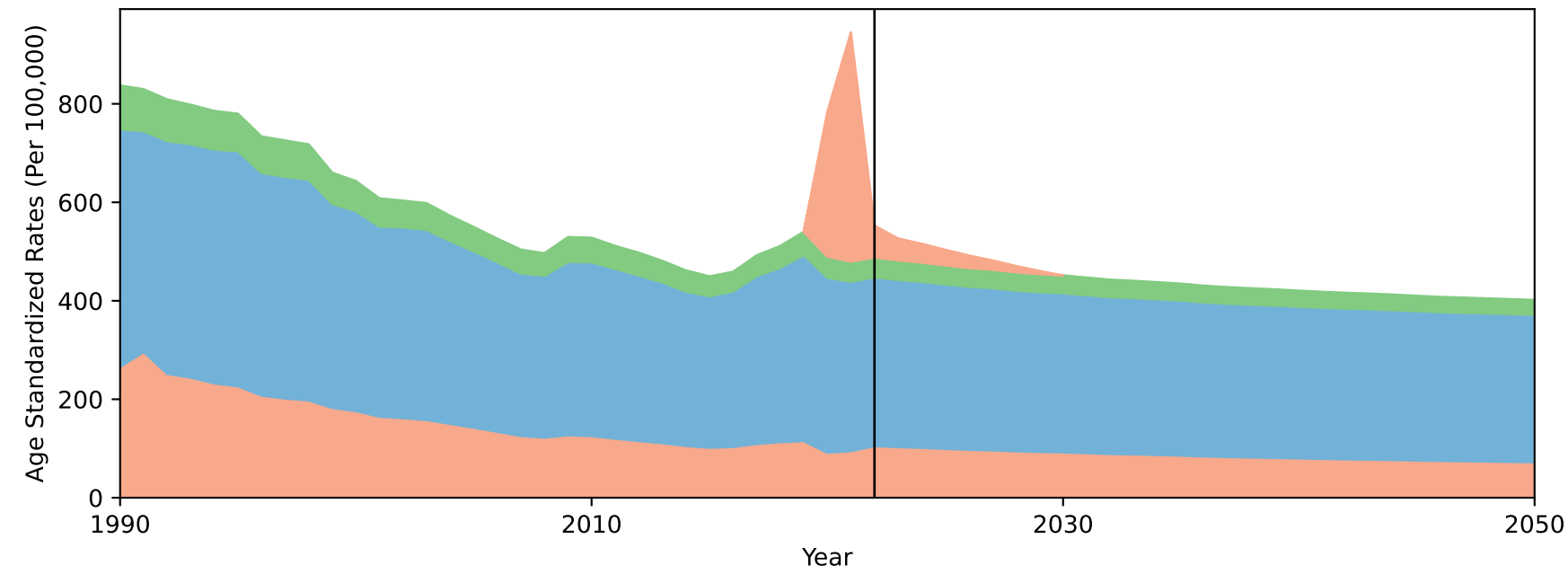
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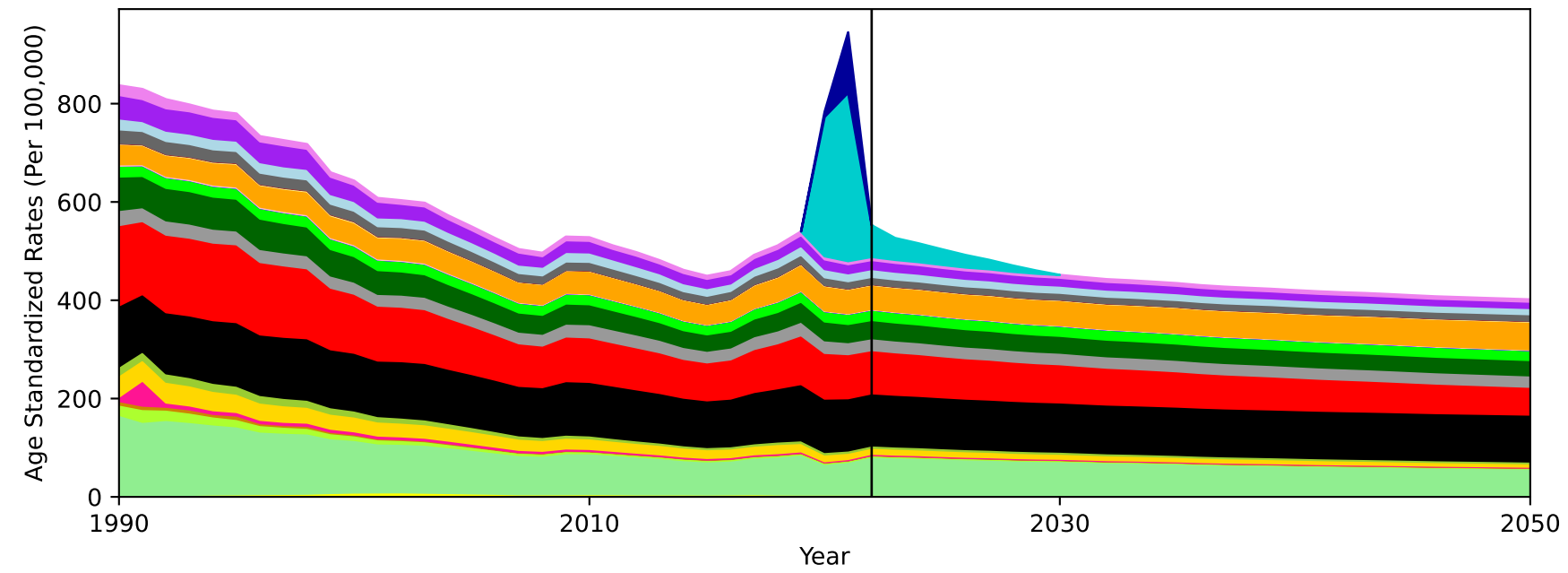
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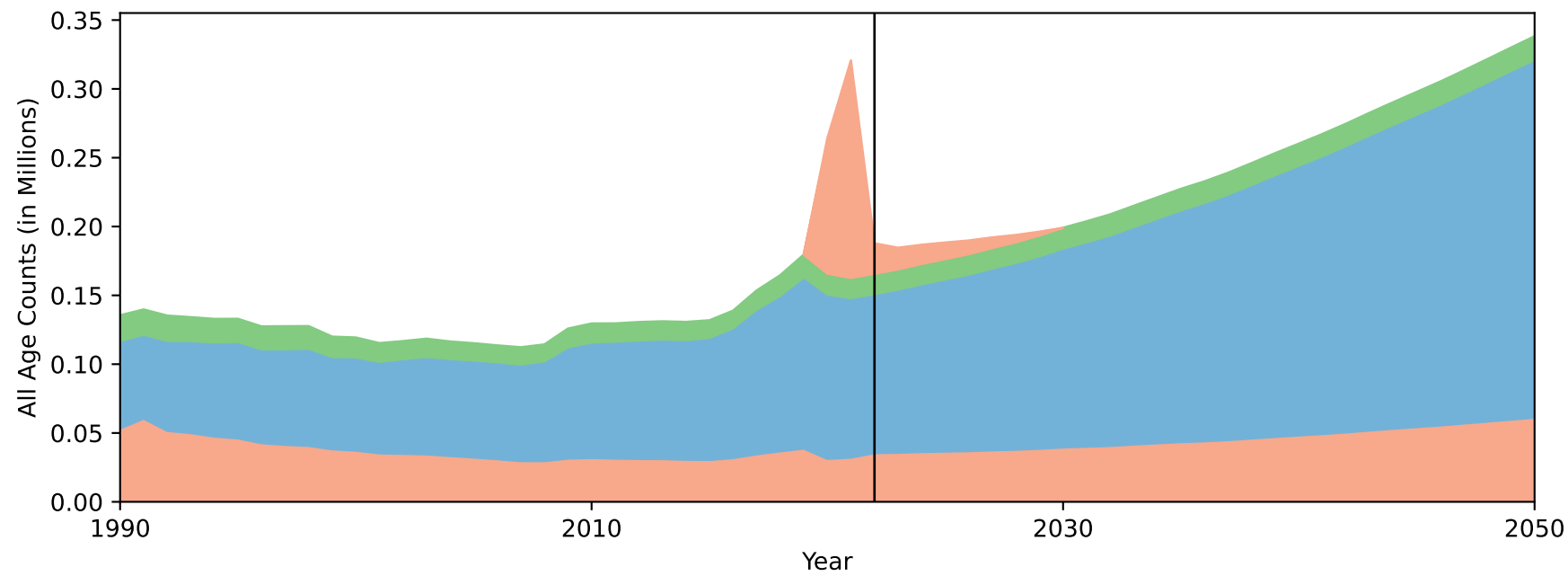
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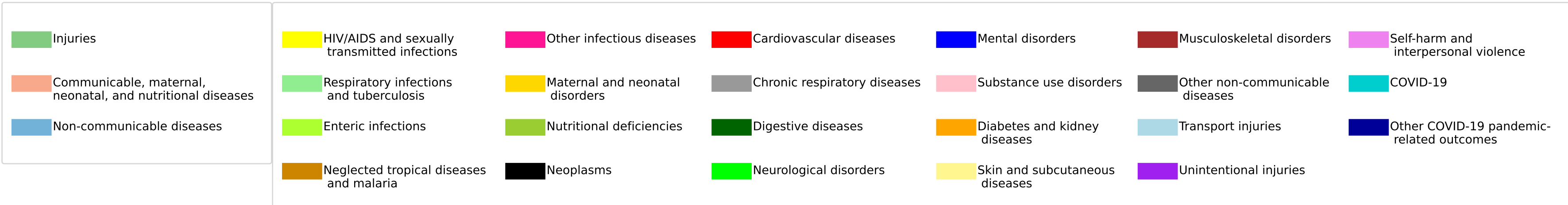
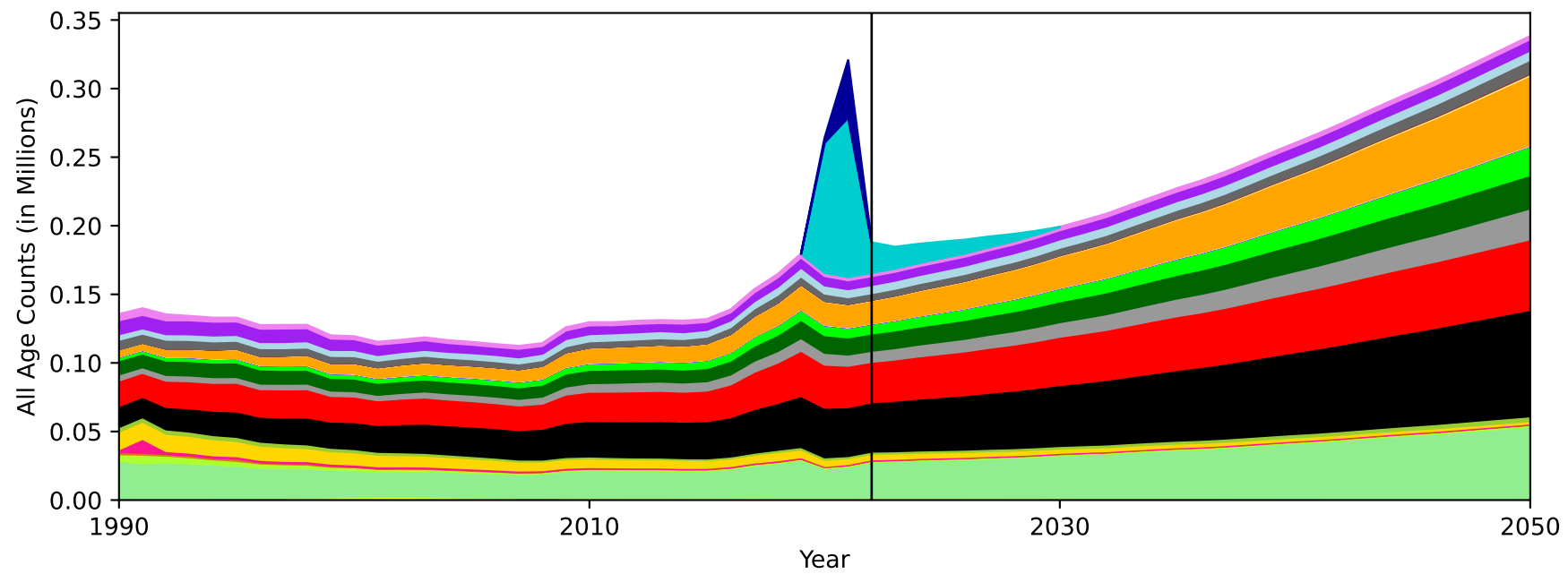
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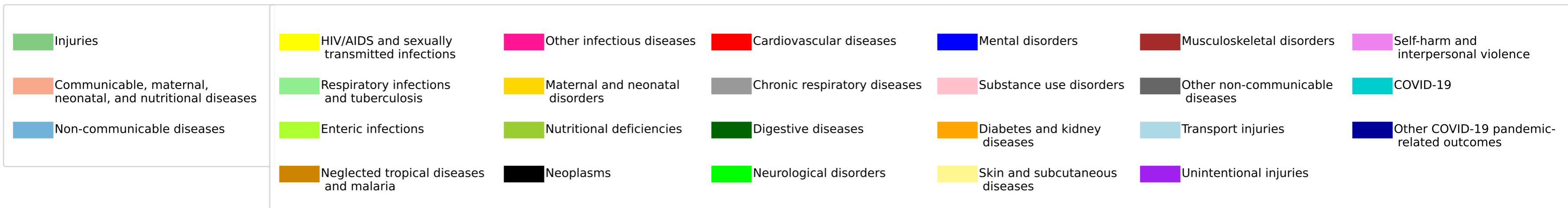
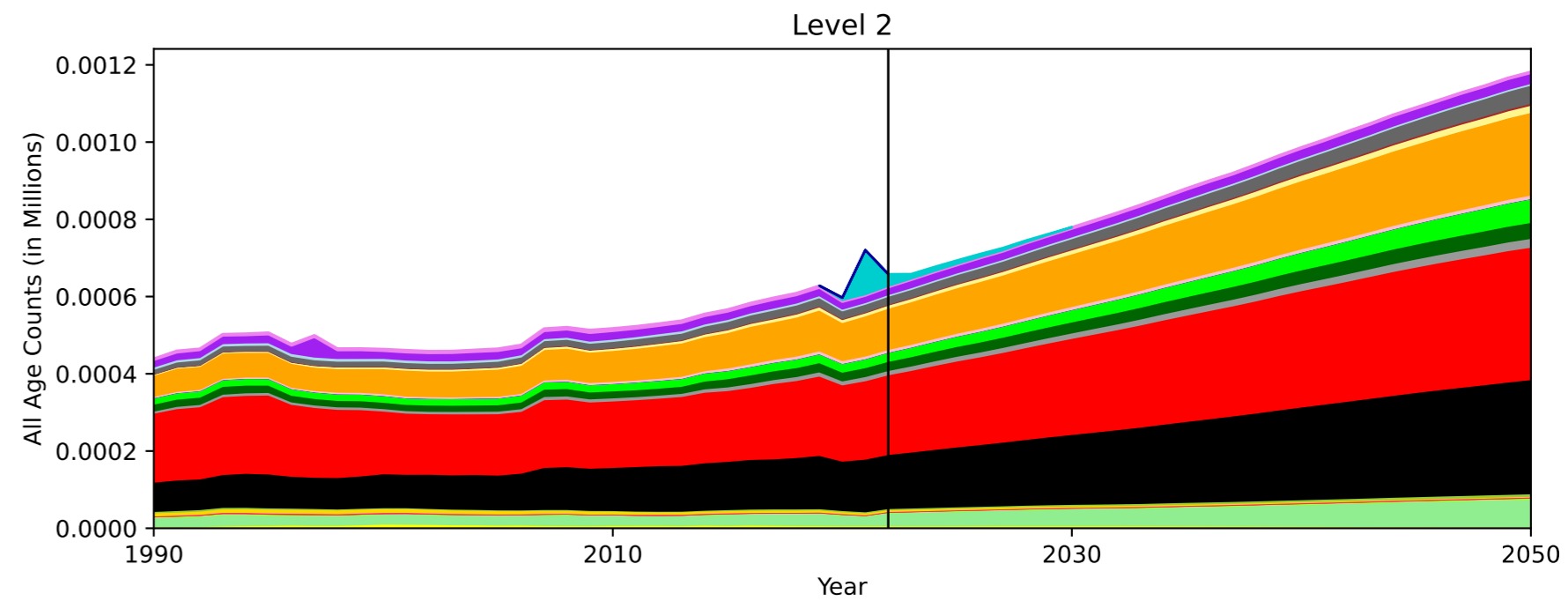
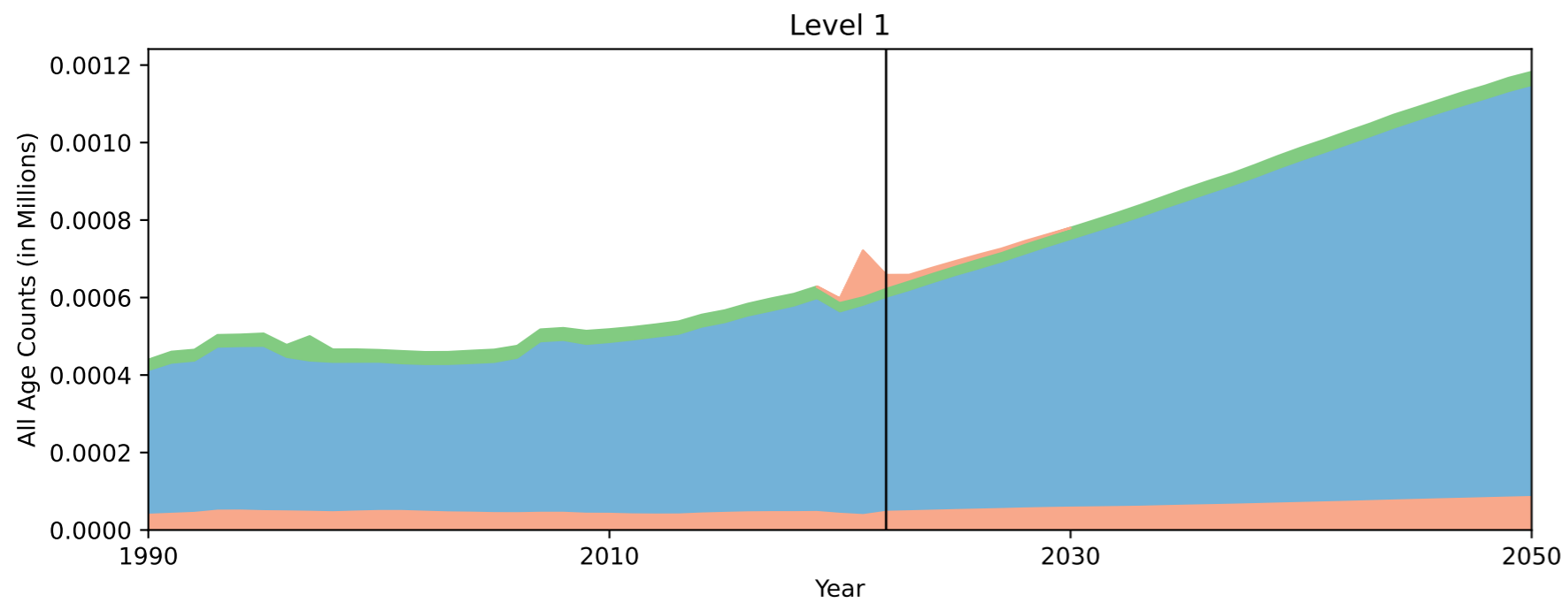
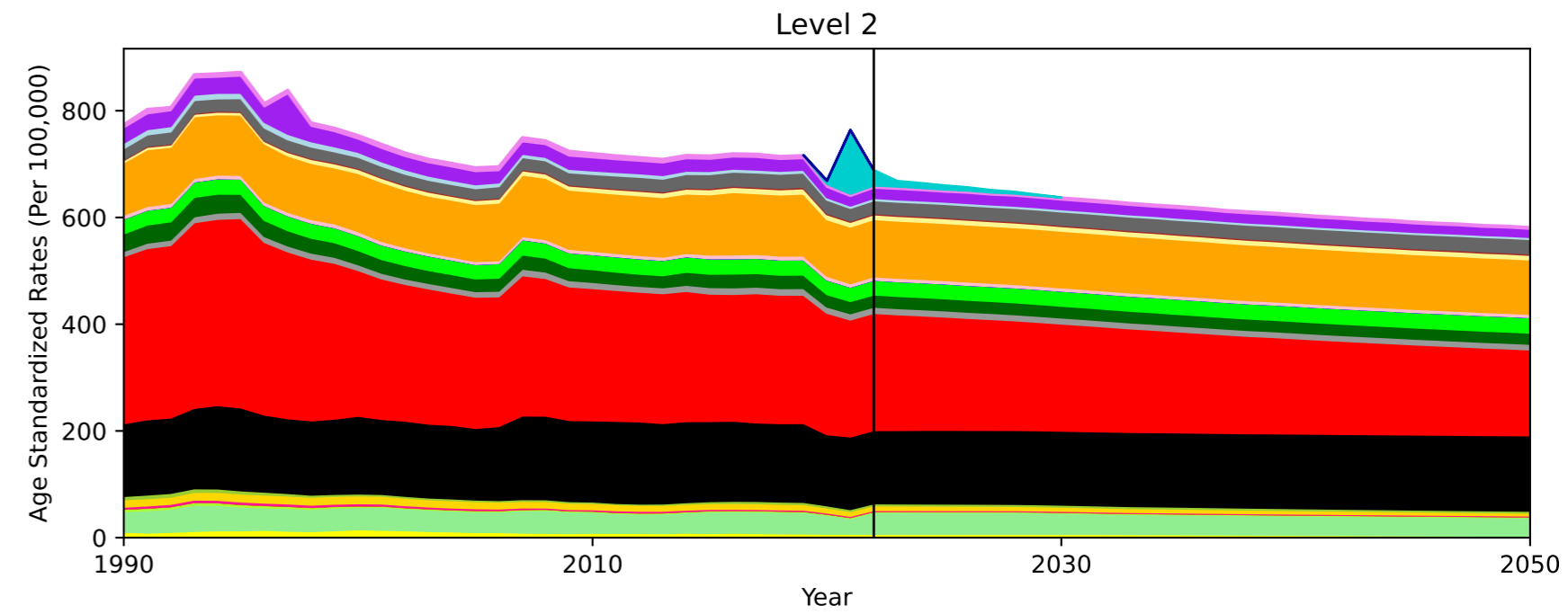
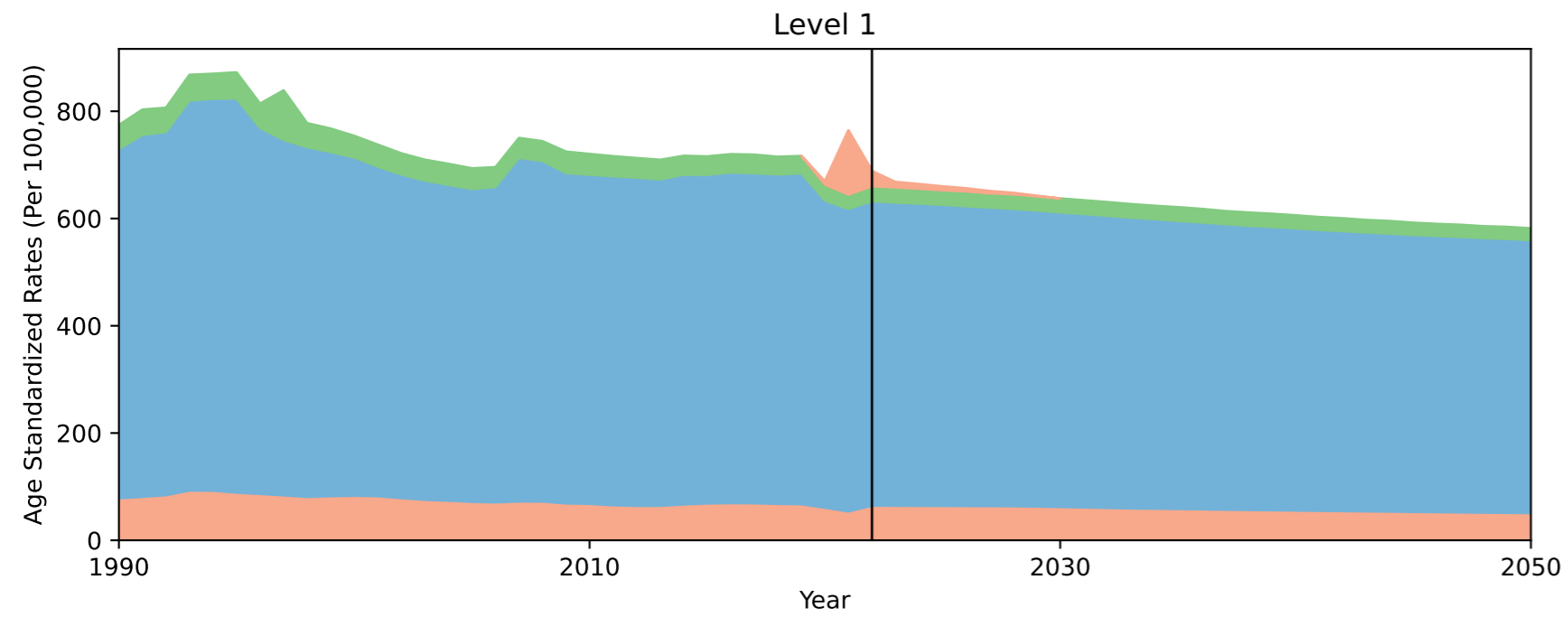
Level 2



# Antigua And Barbuda

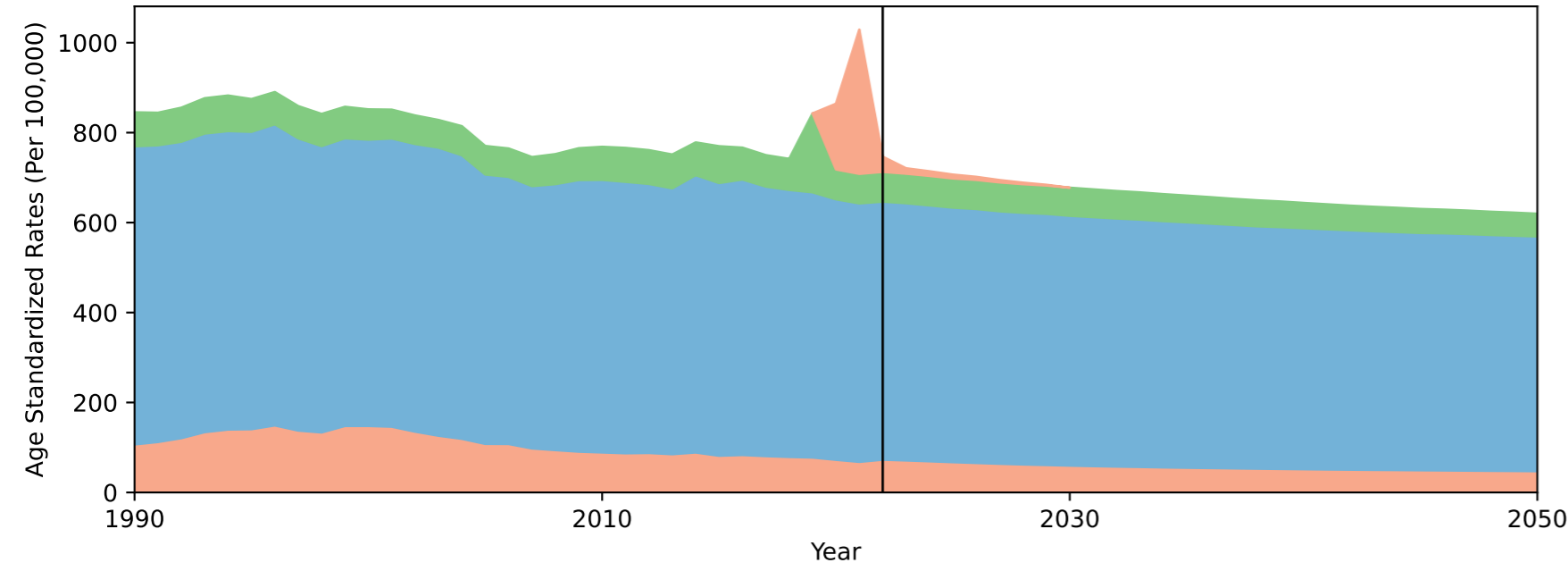
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

546

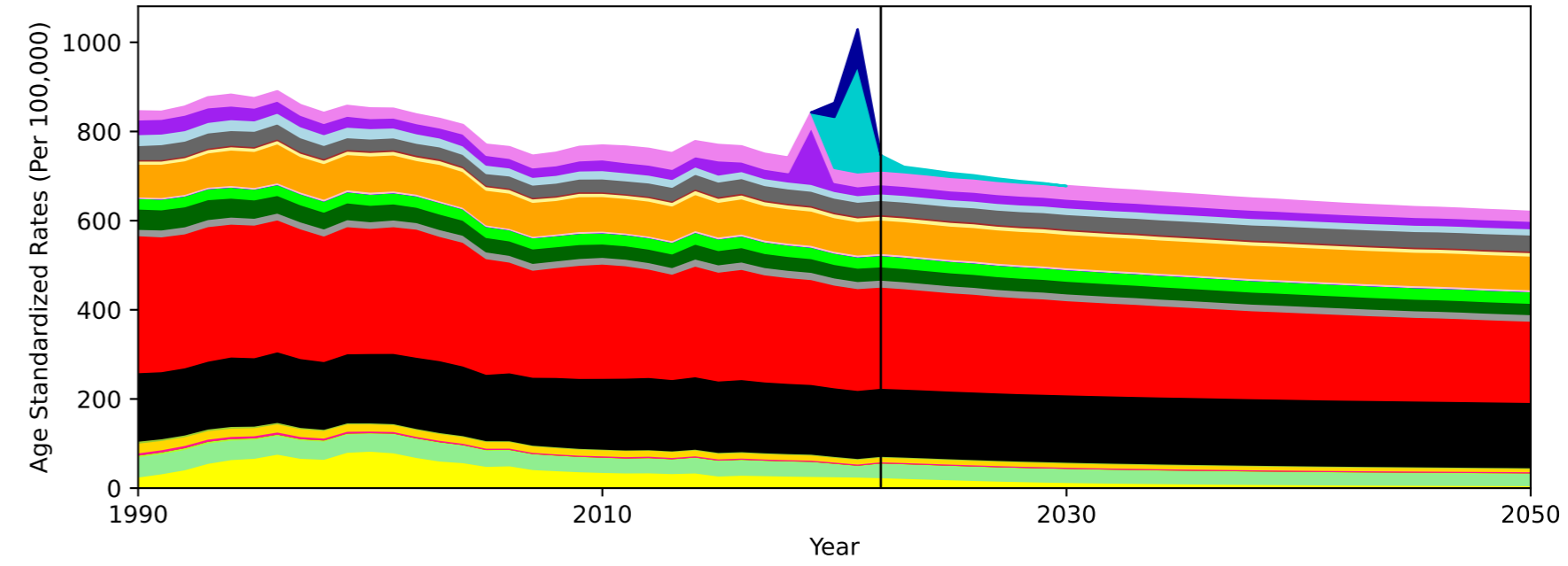


# The Bahamas

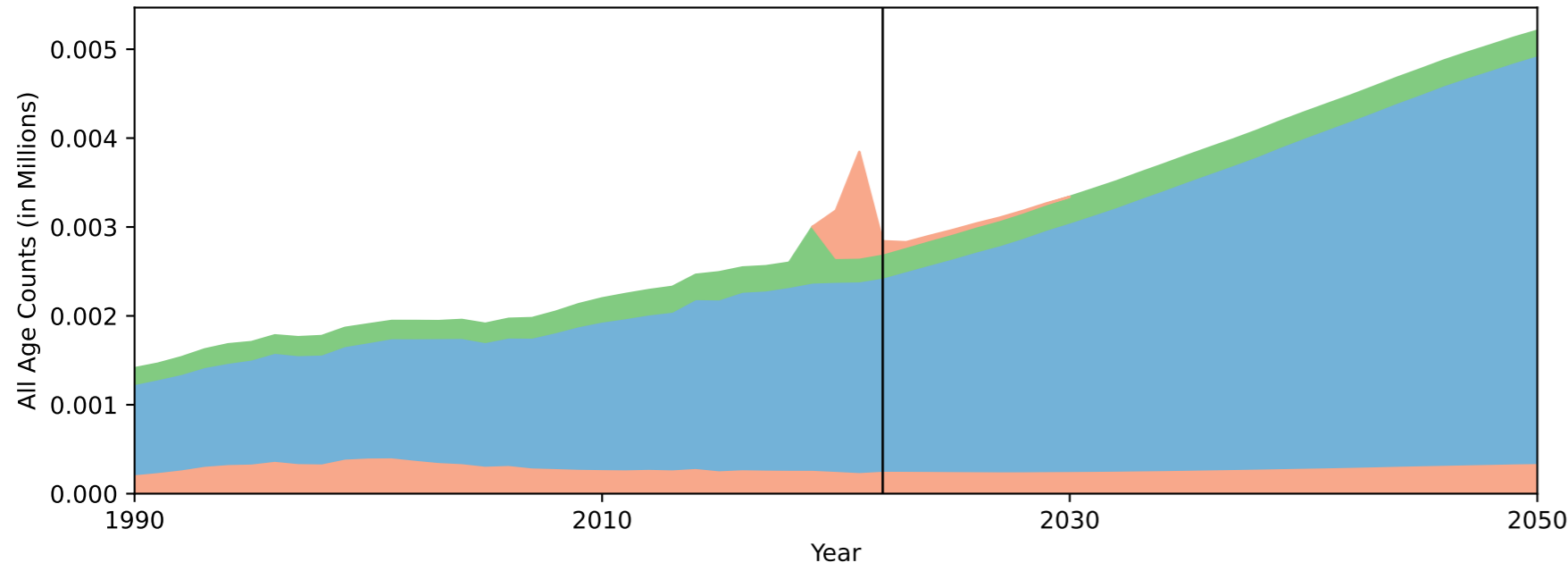
Level 1



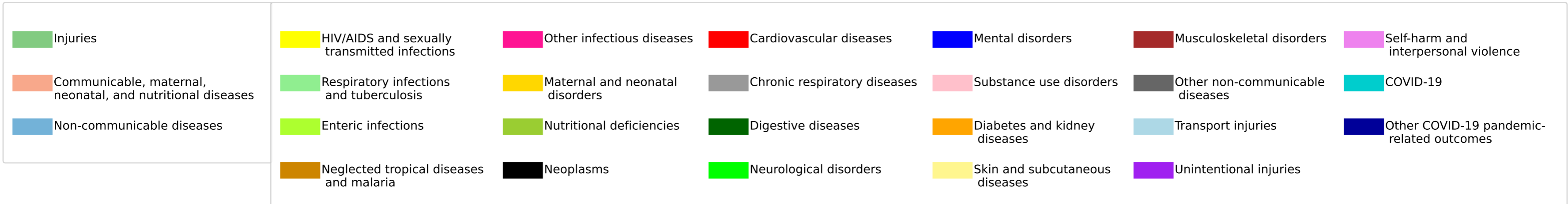
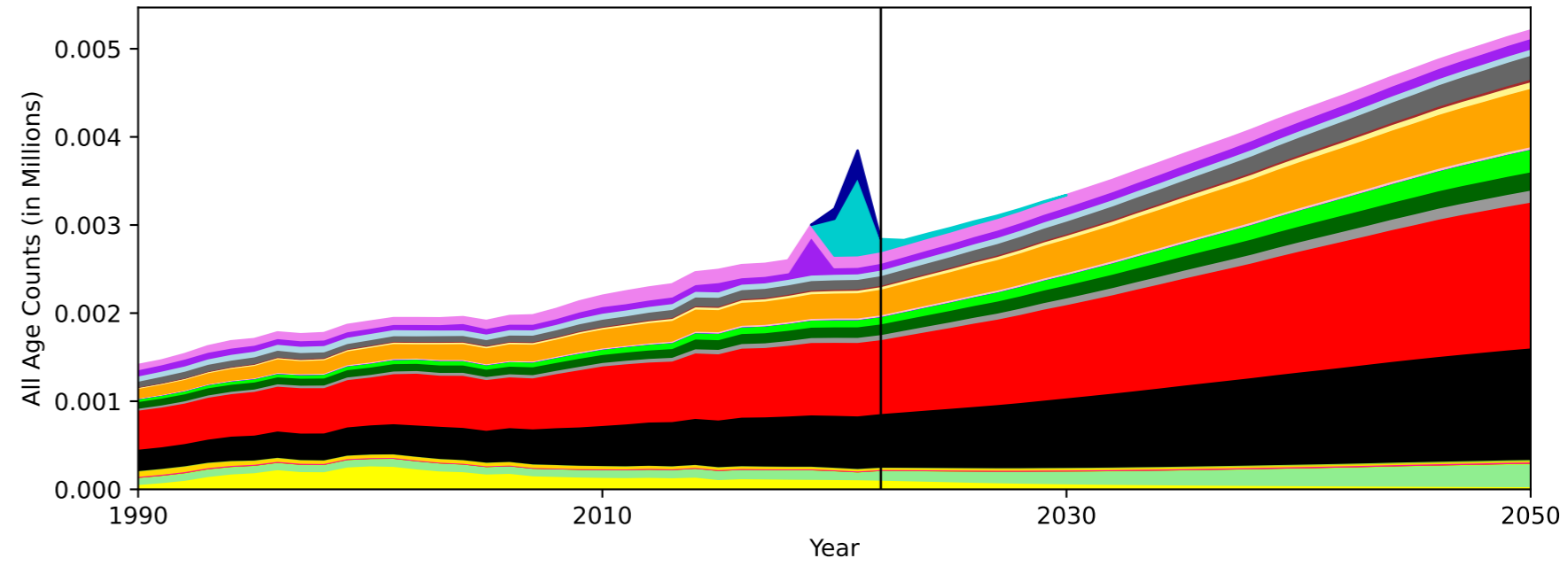
Level 2



Level 1



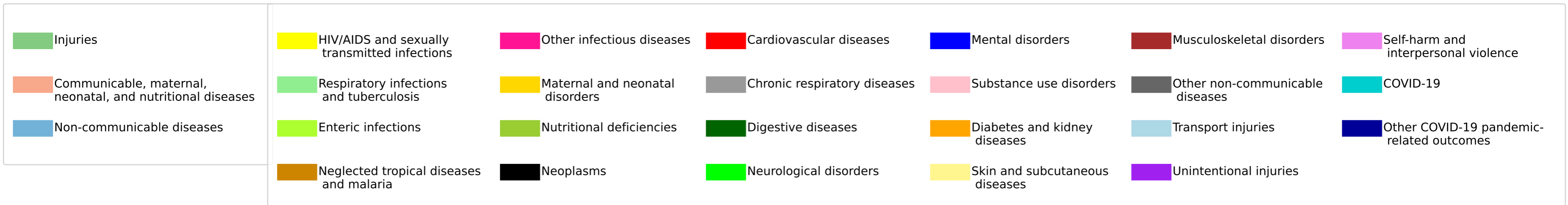
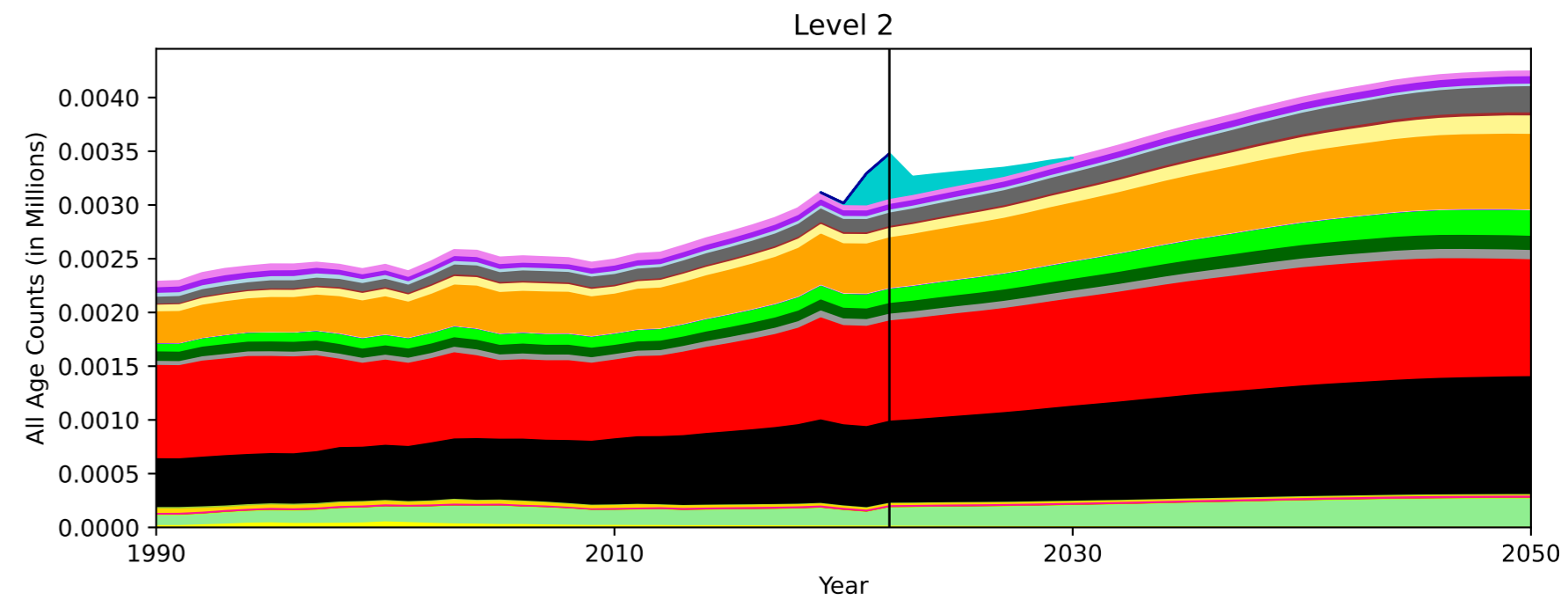
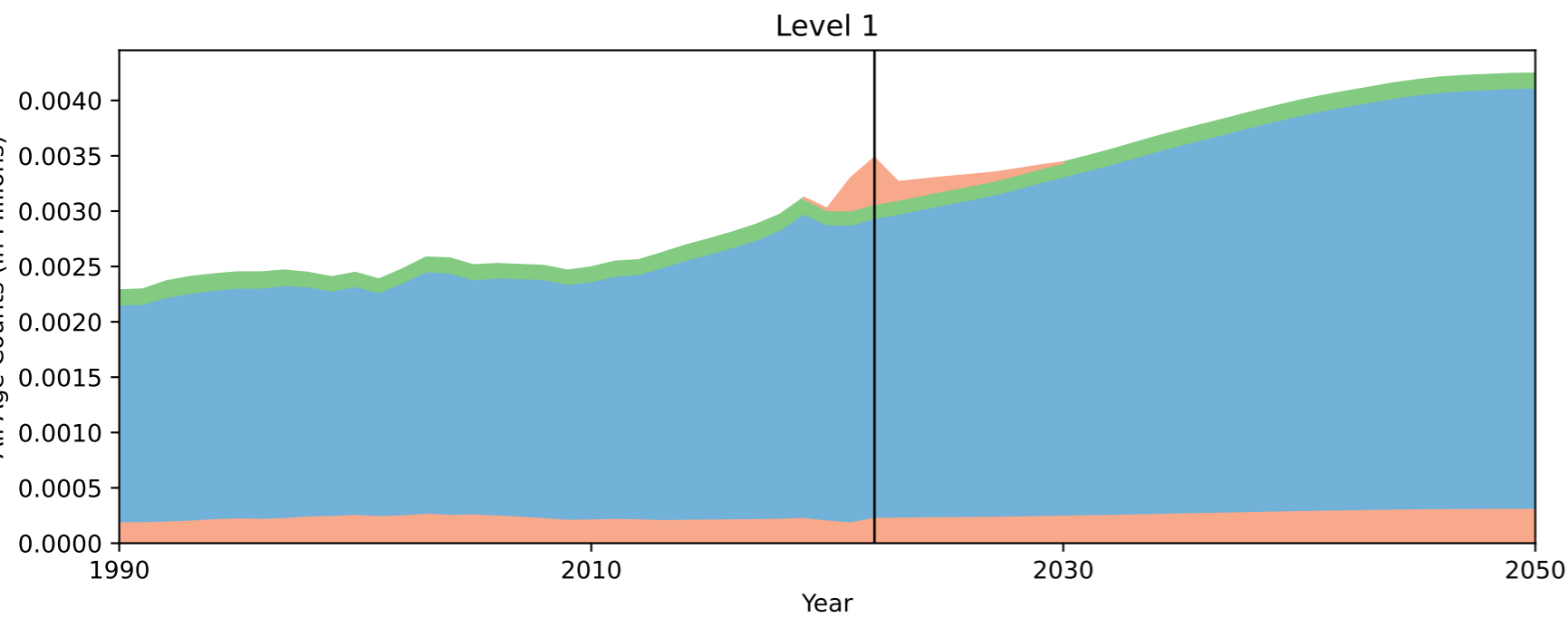
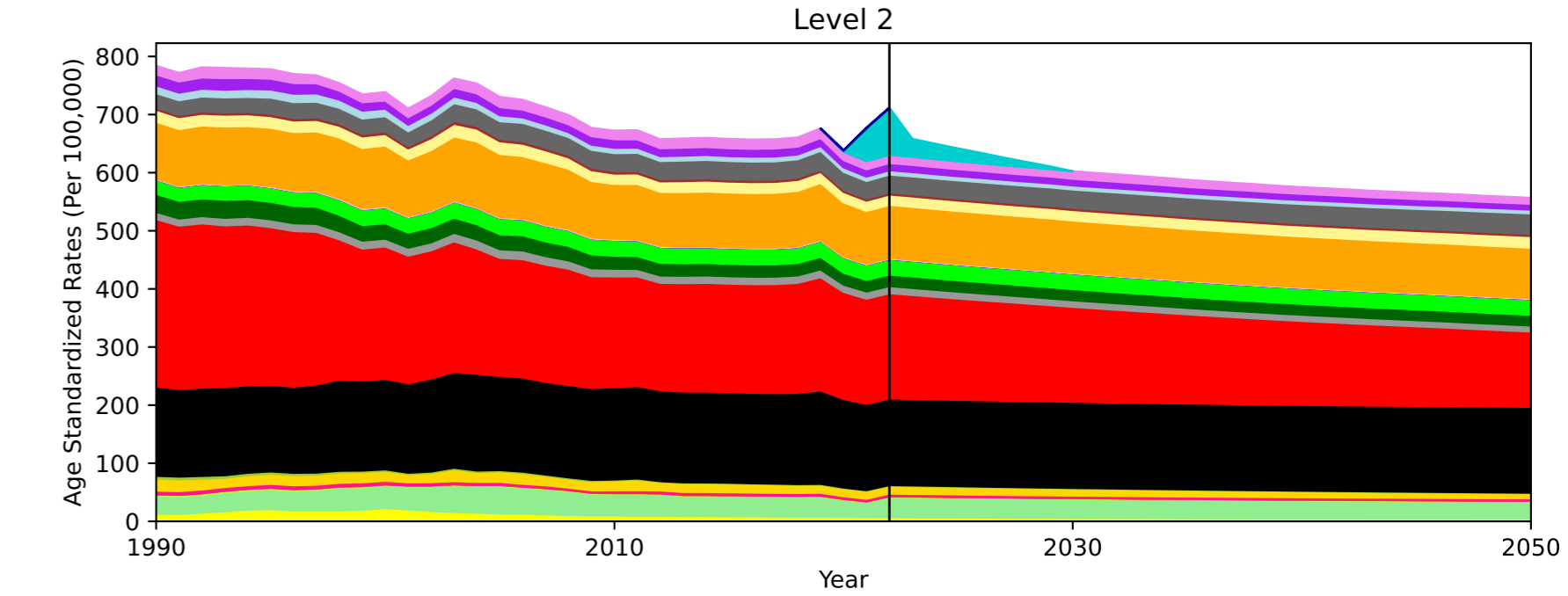
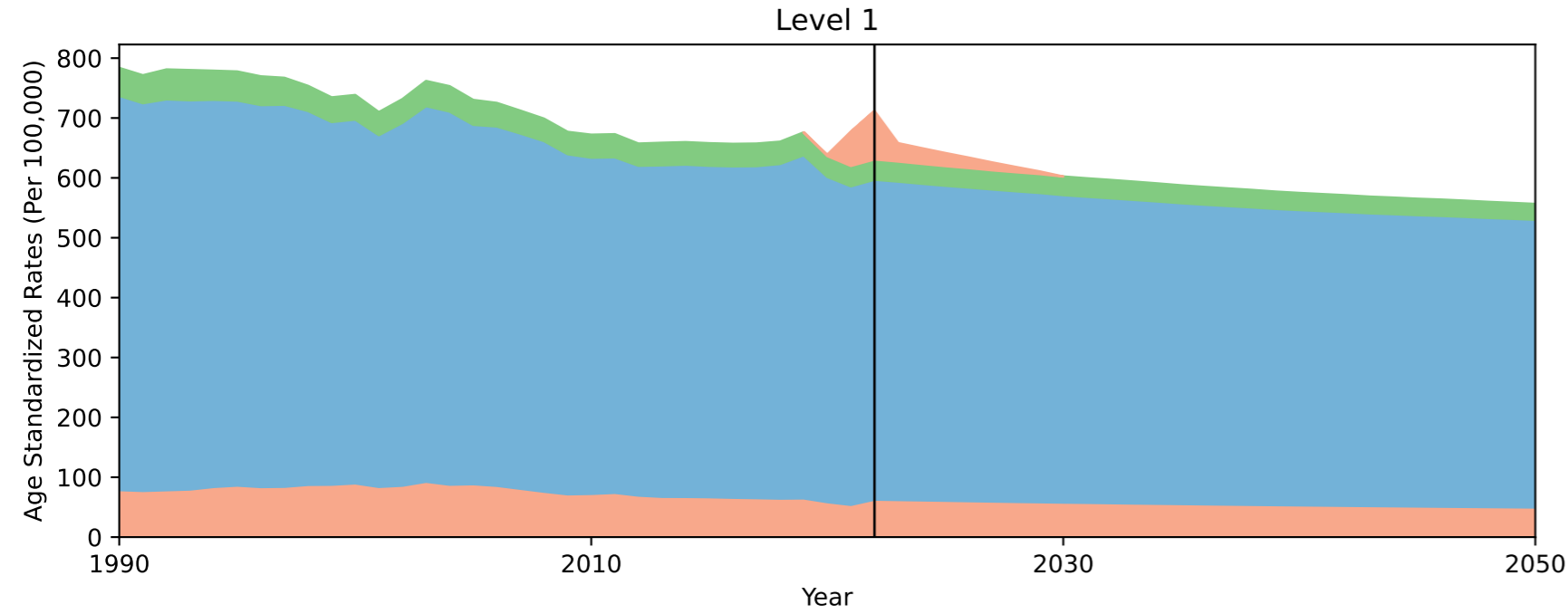
Level 2



# Barbados

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

548

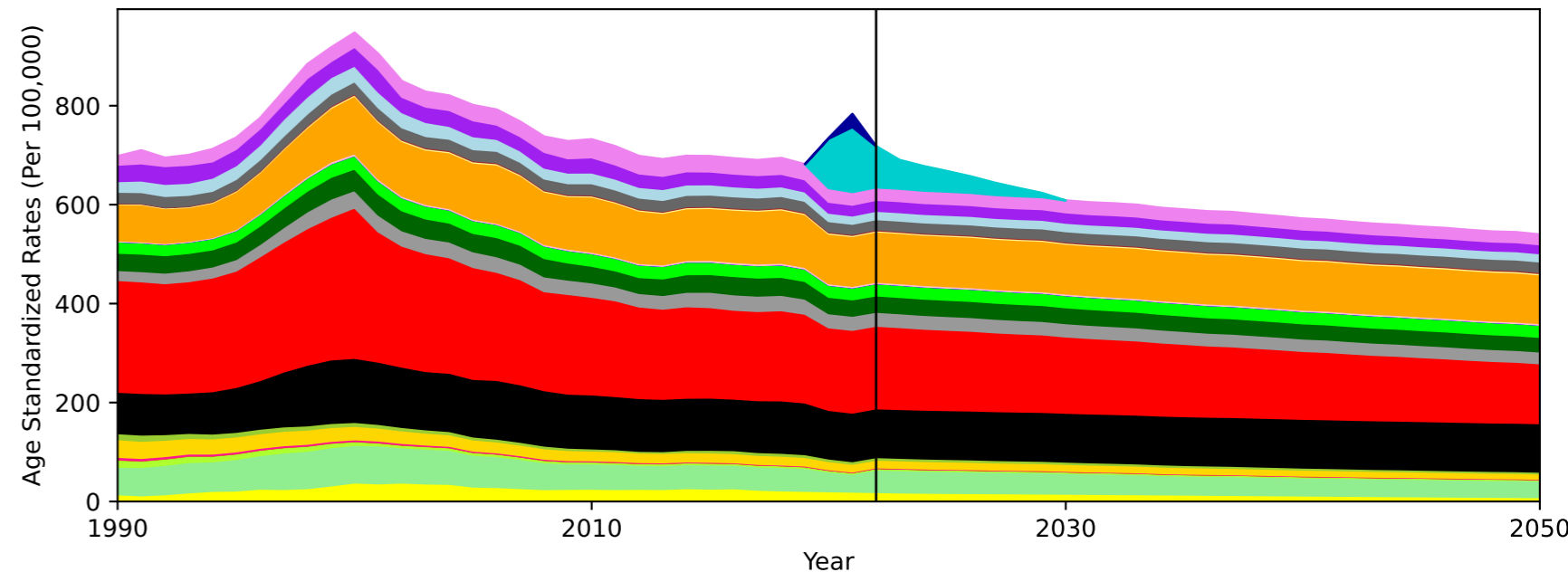


# Belize

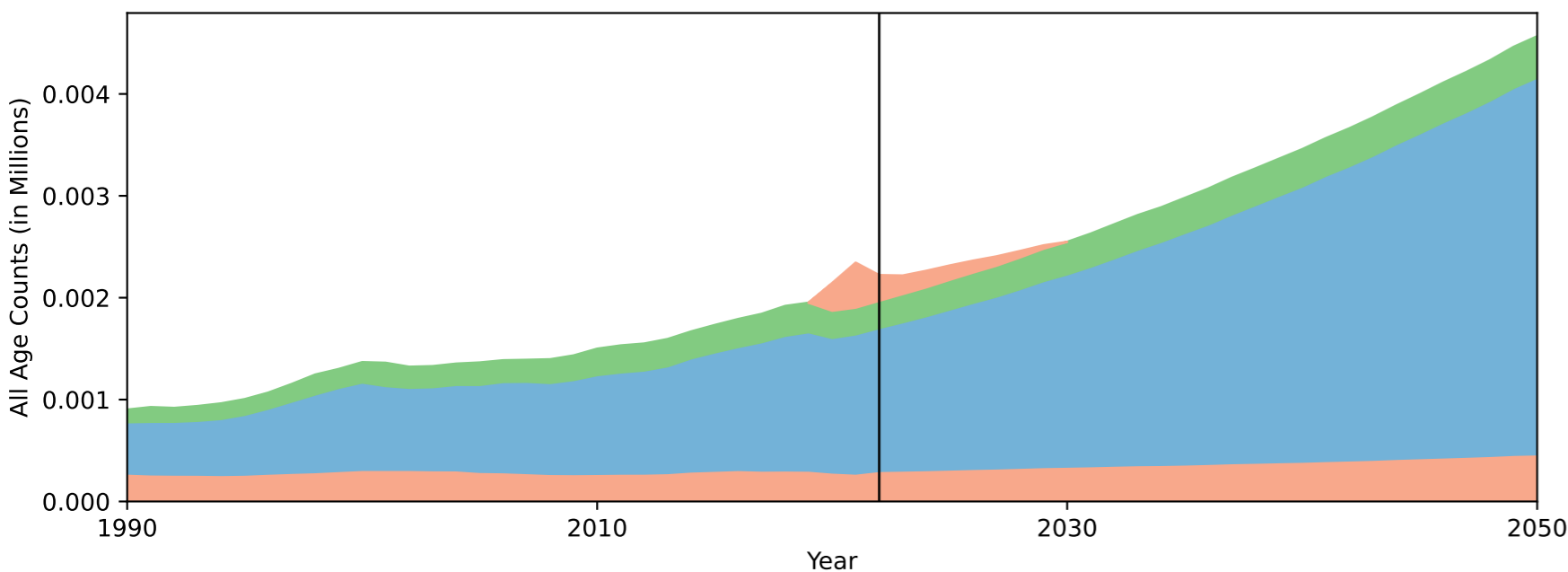
Level 1



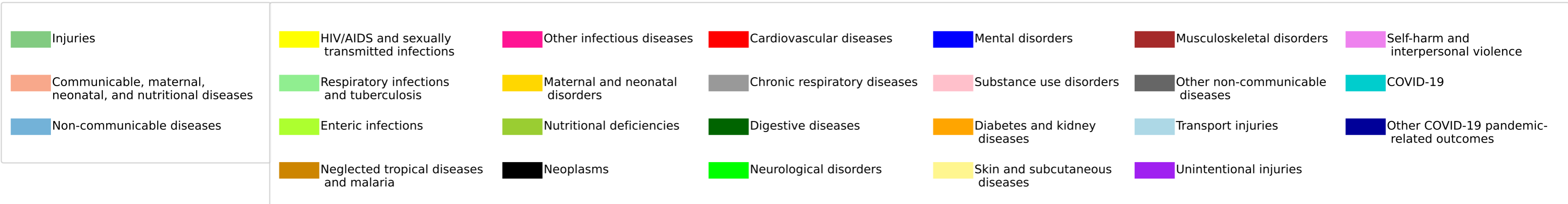
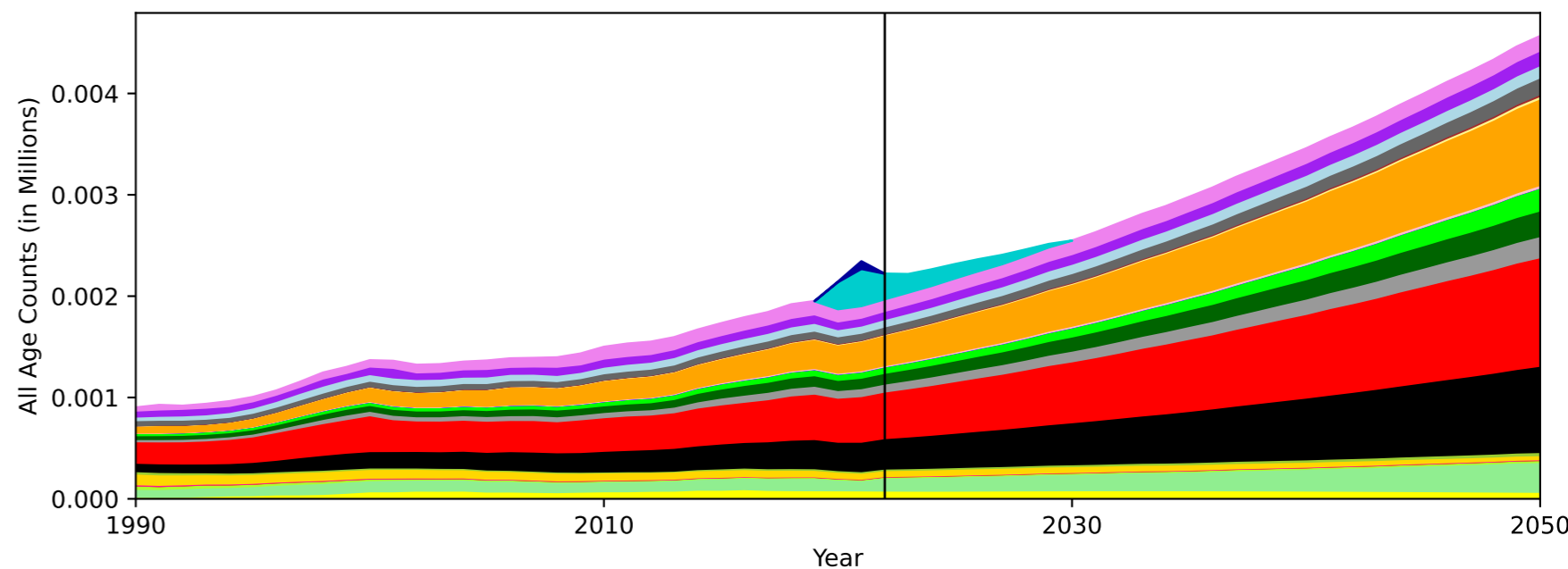
Level 2



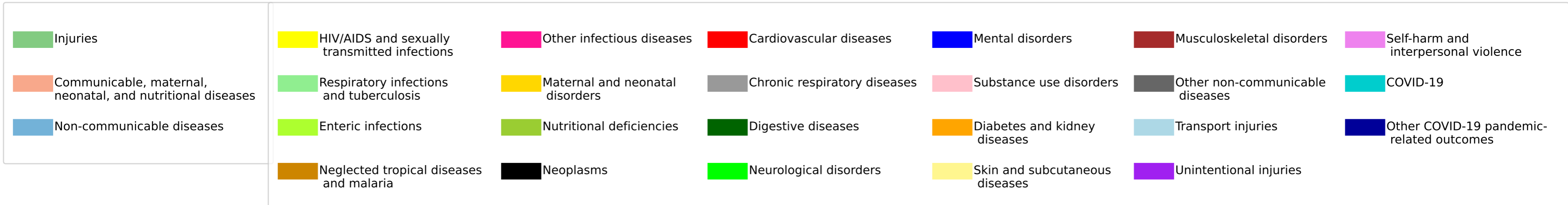
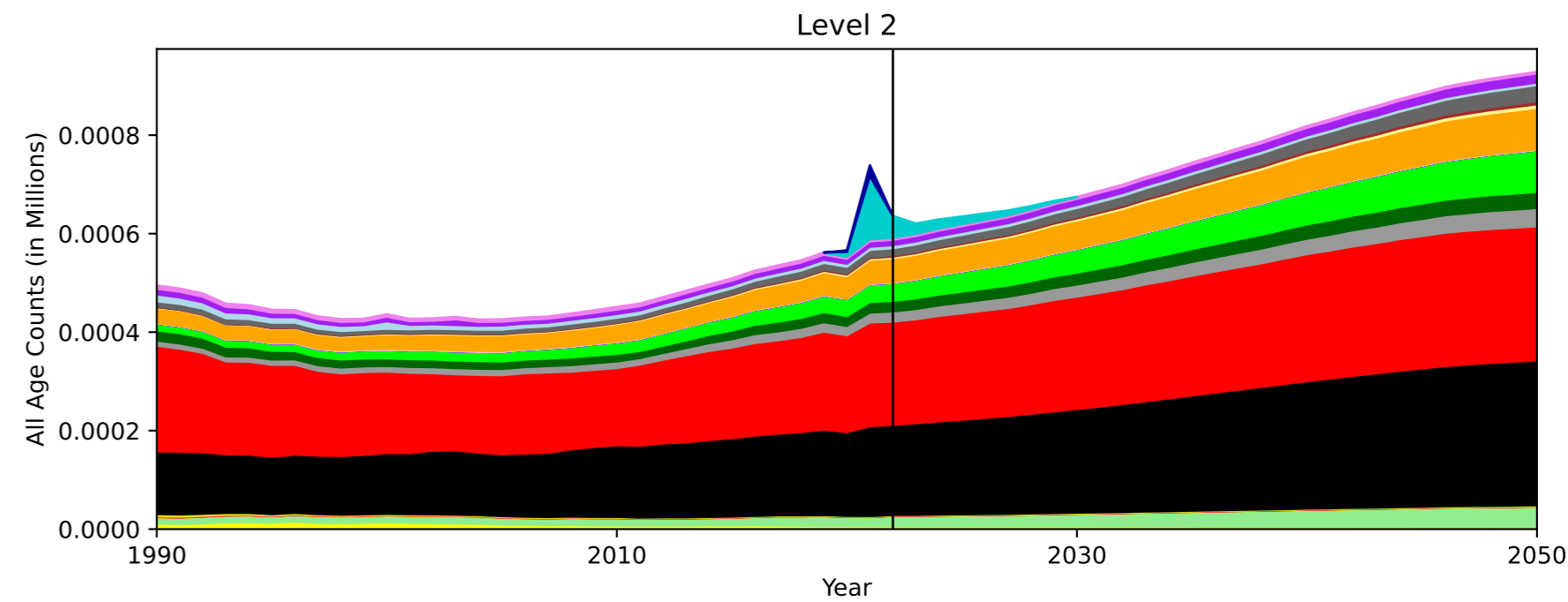
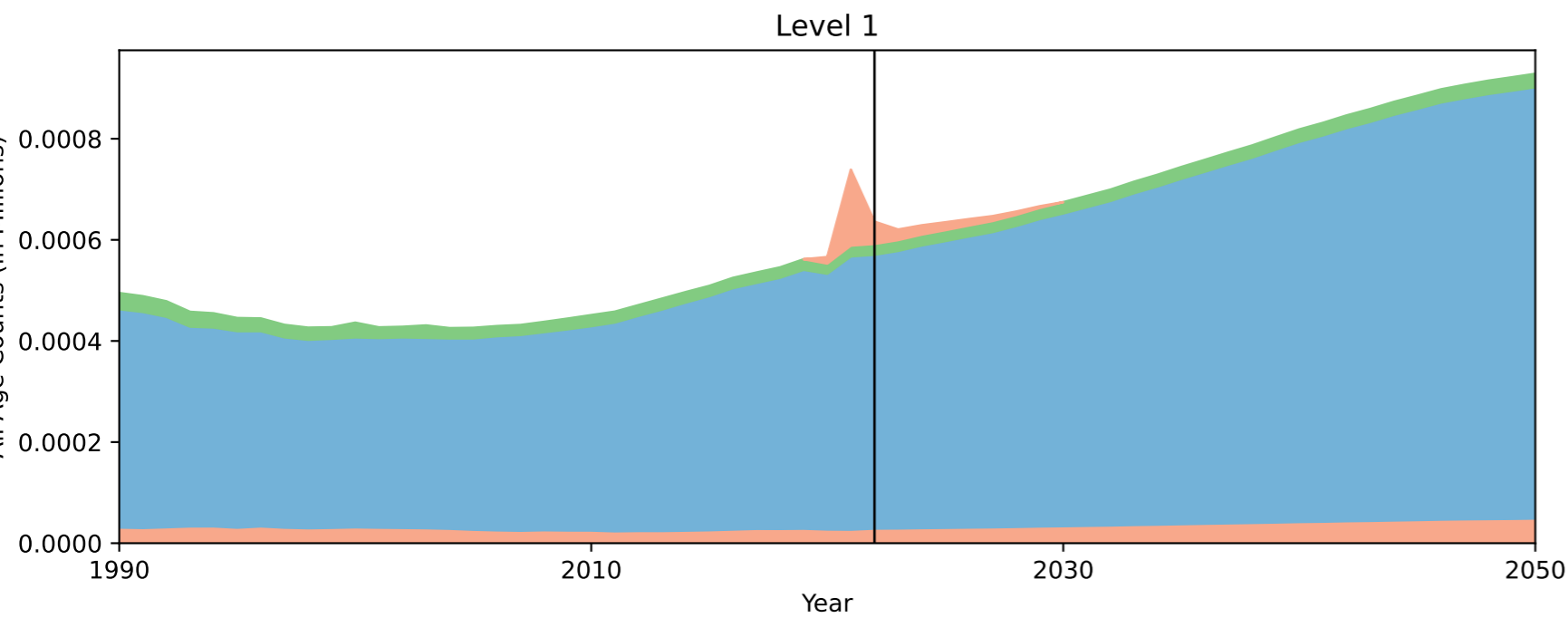
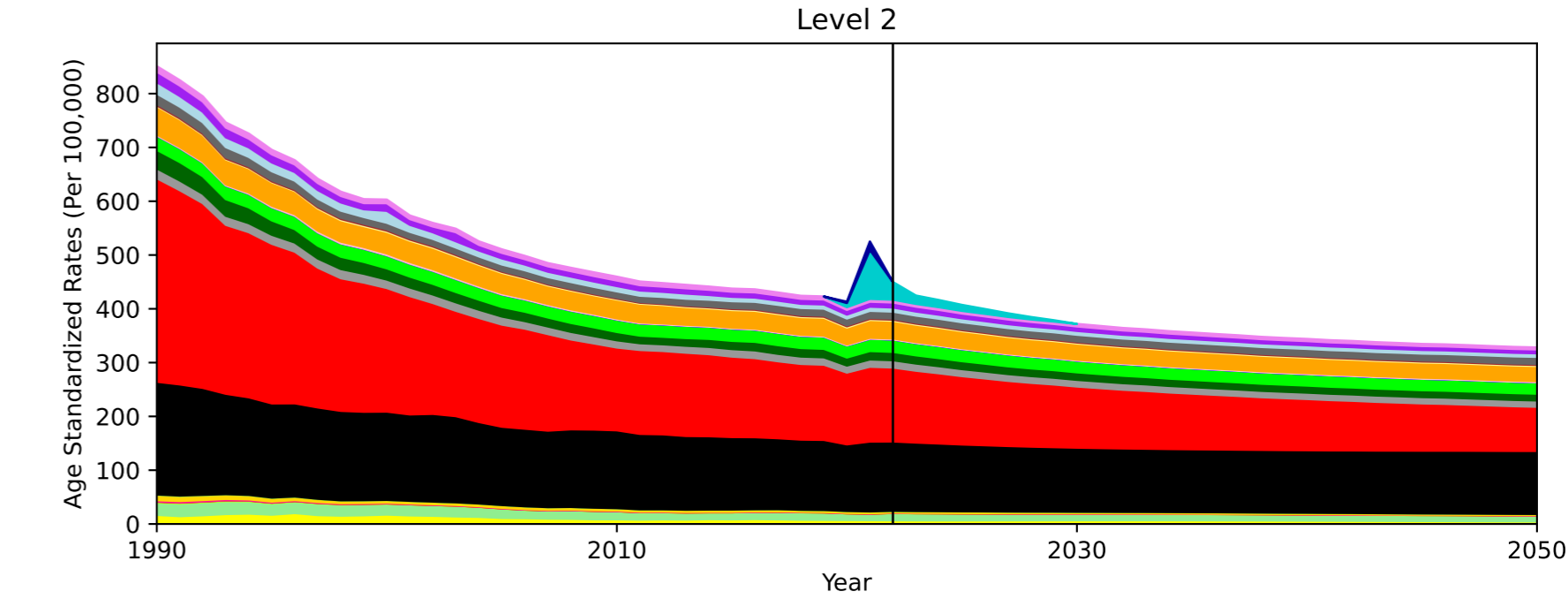
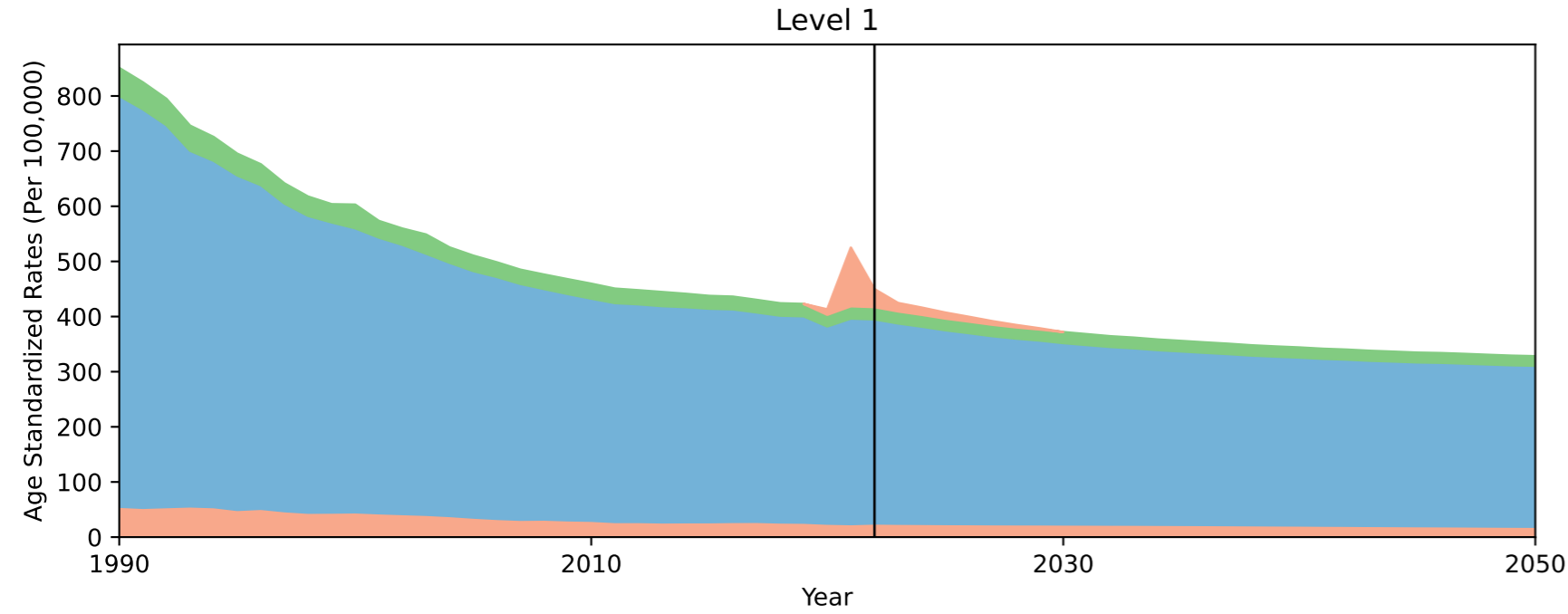
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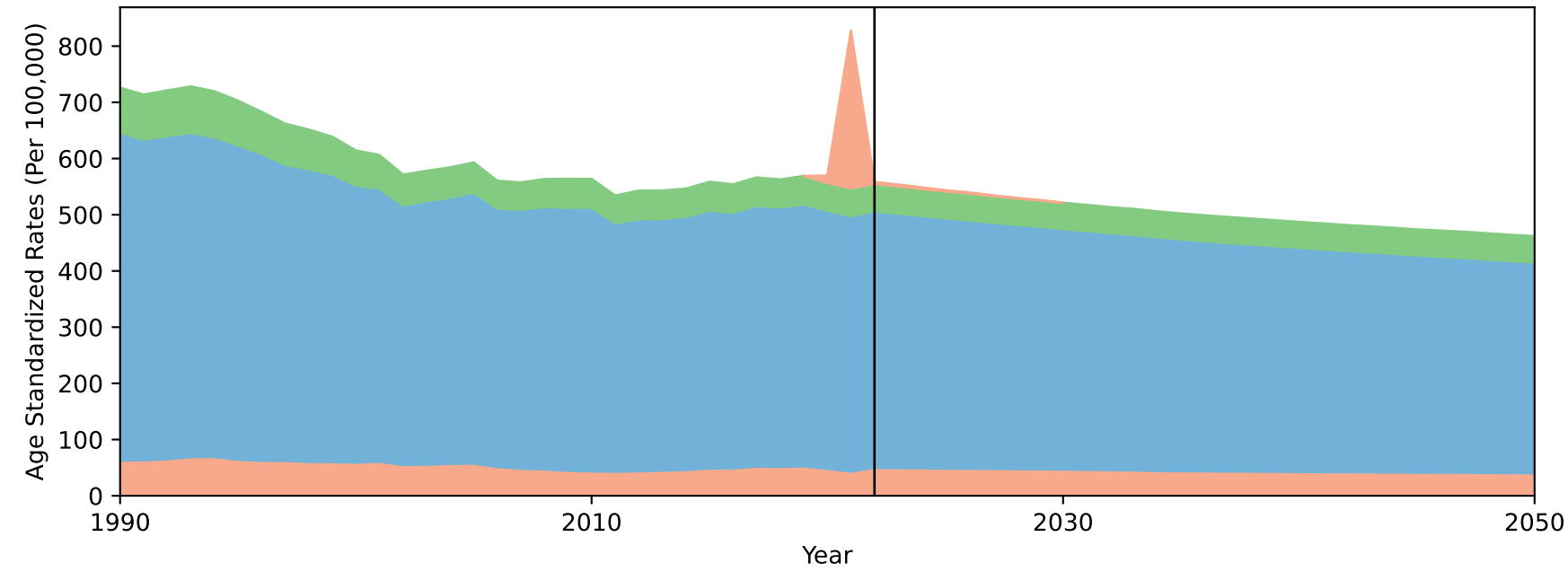
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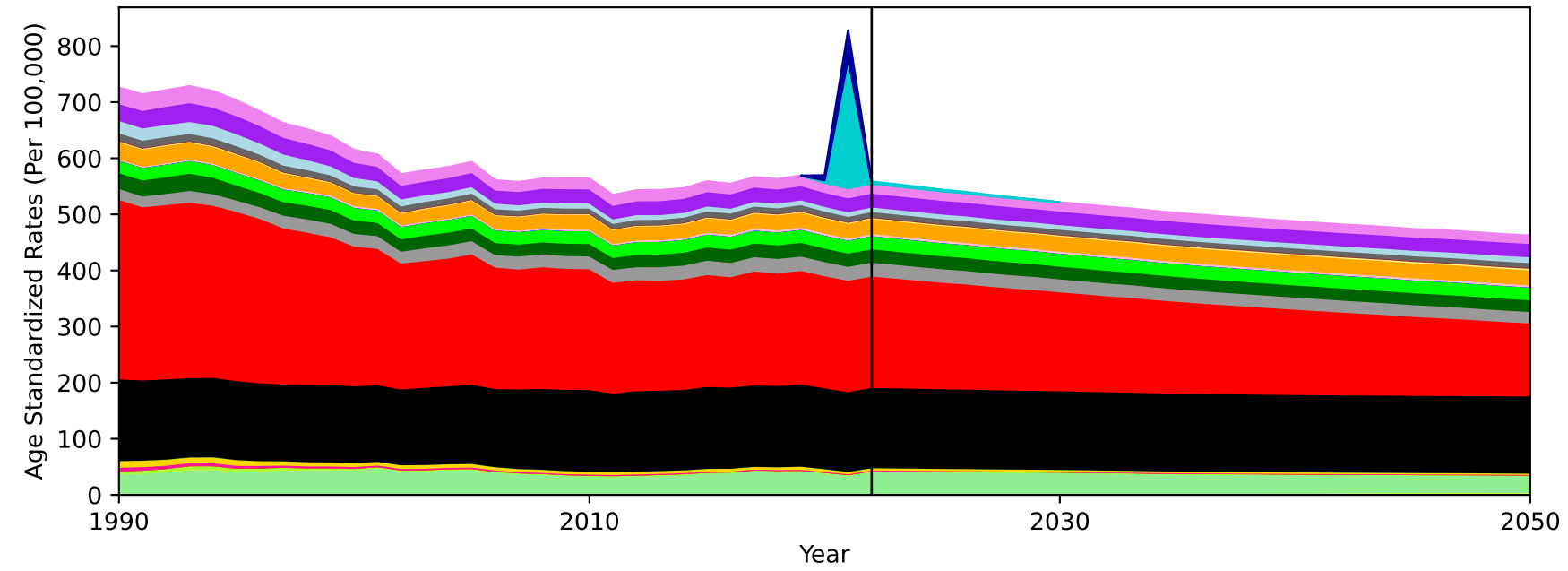
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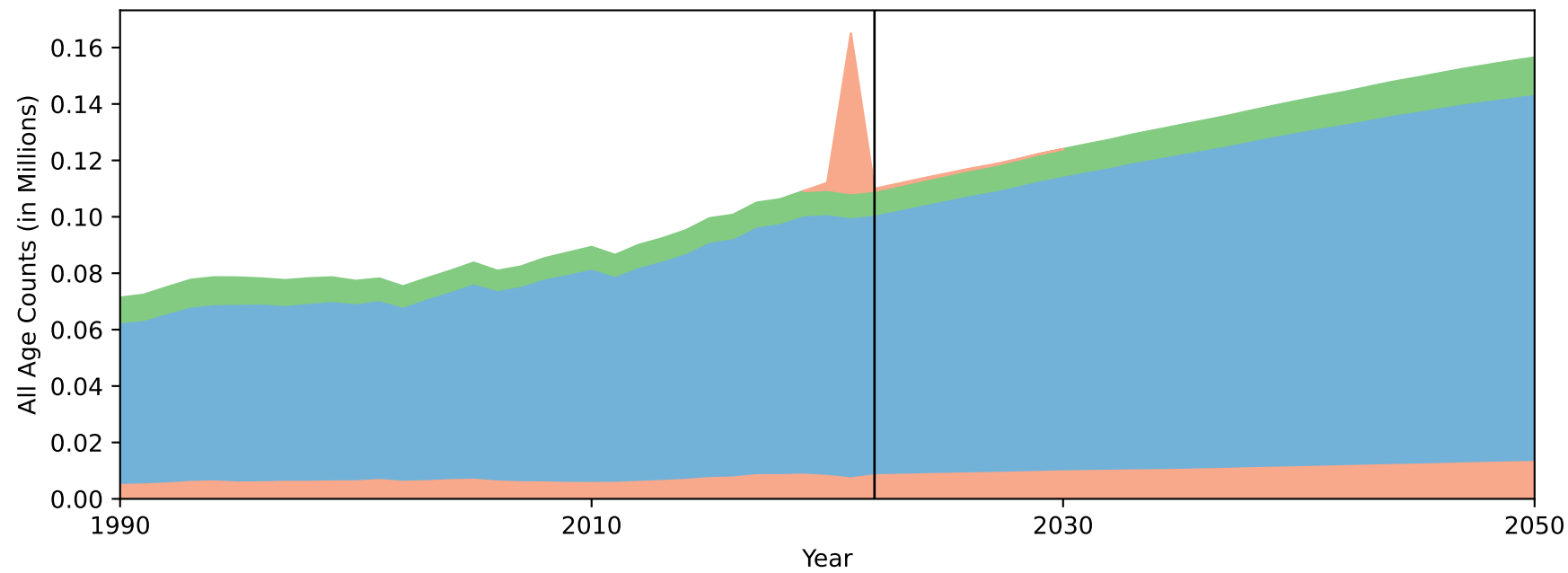
Level 1



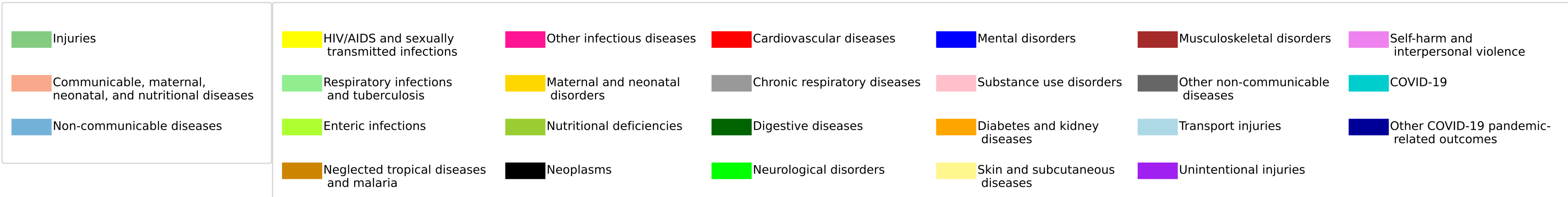
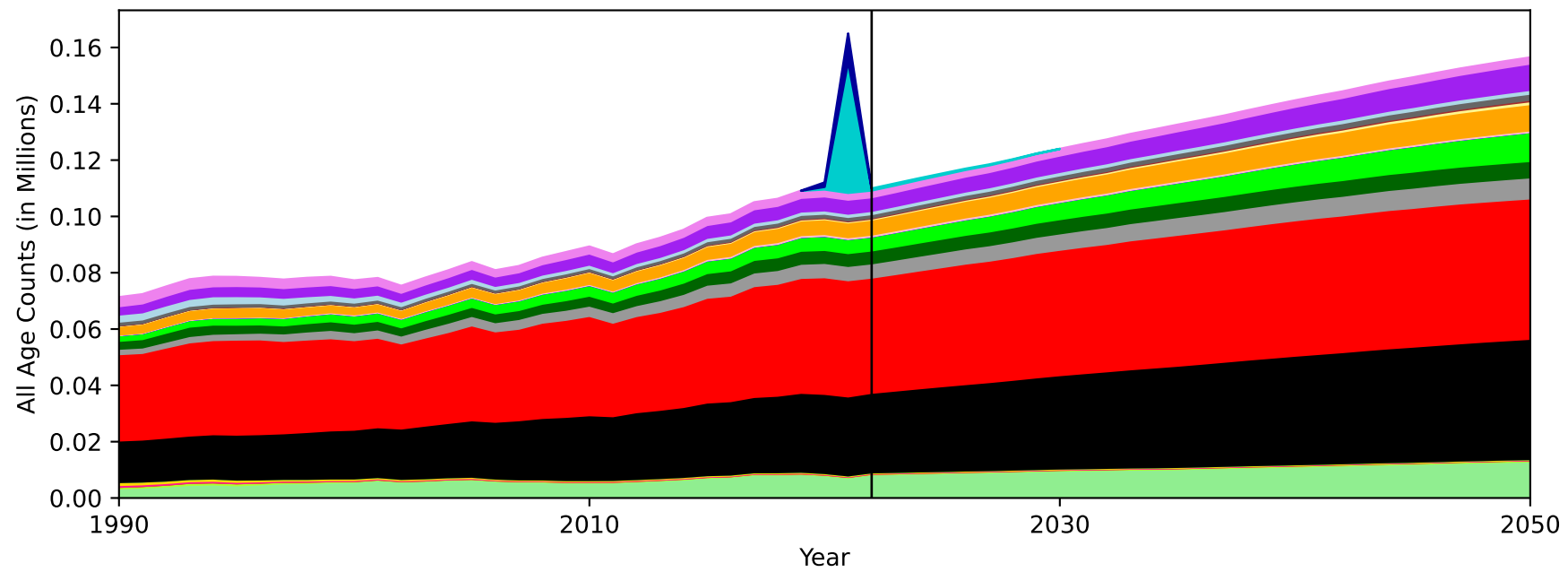
Level 2



Level 1



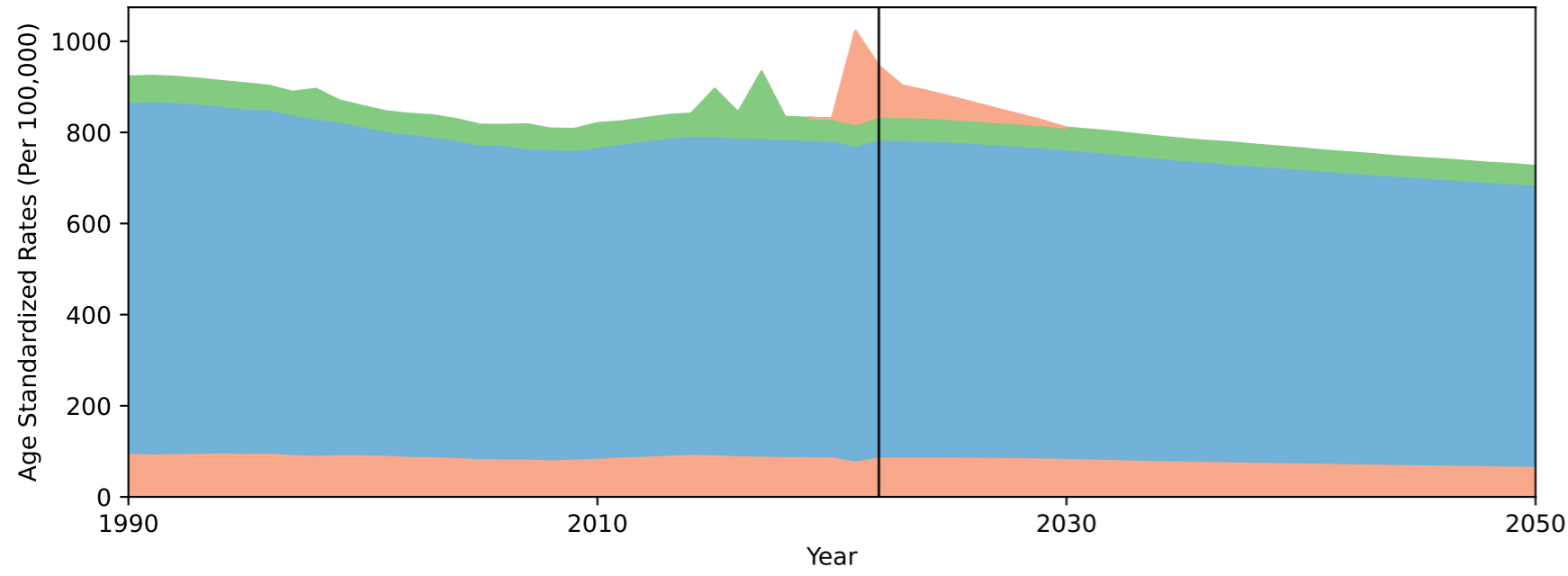
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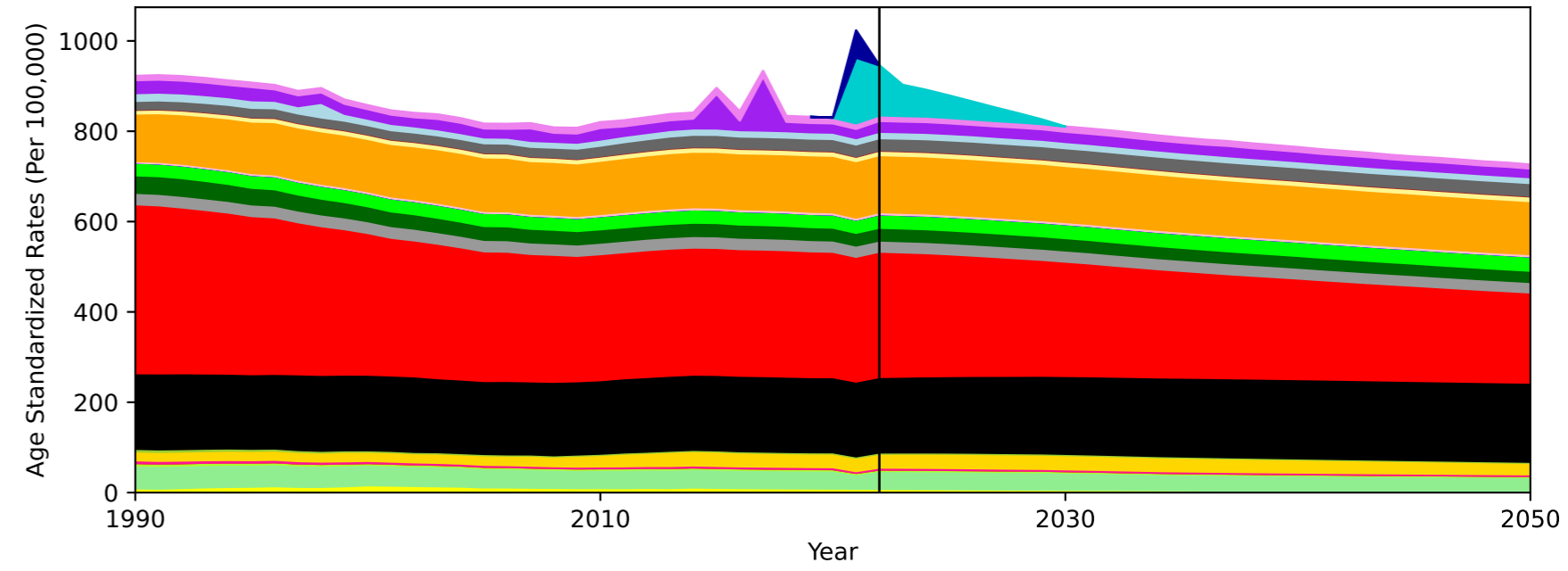


# Dominica

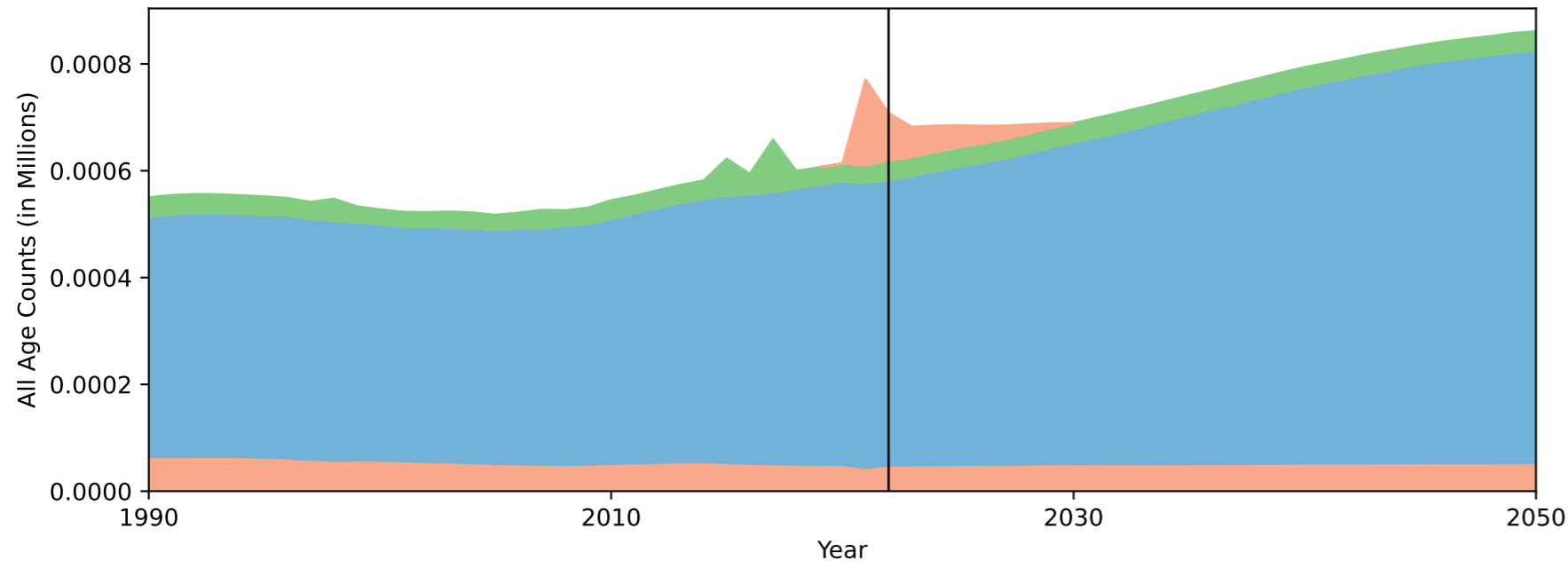
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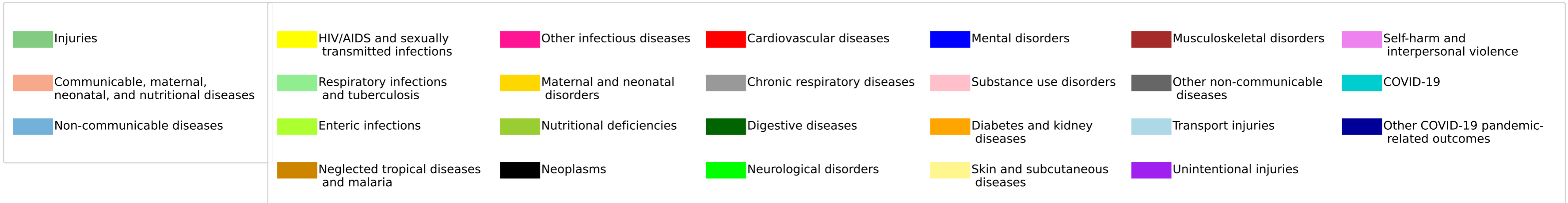
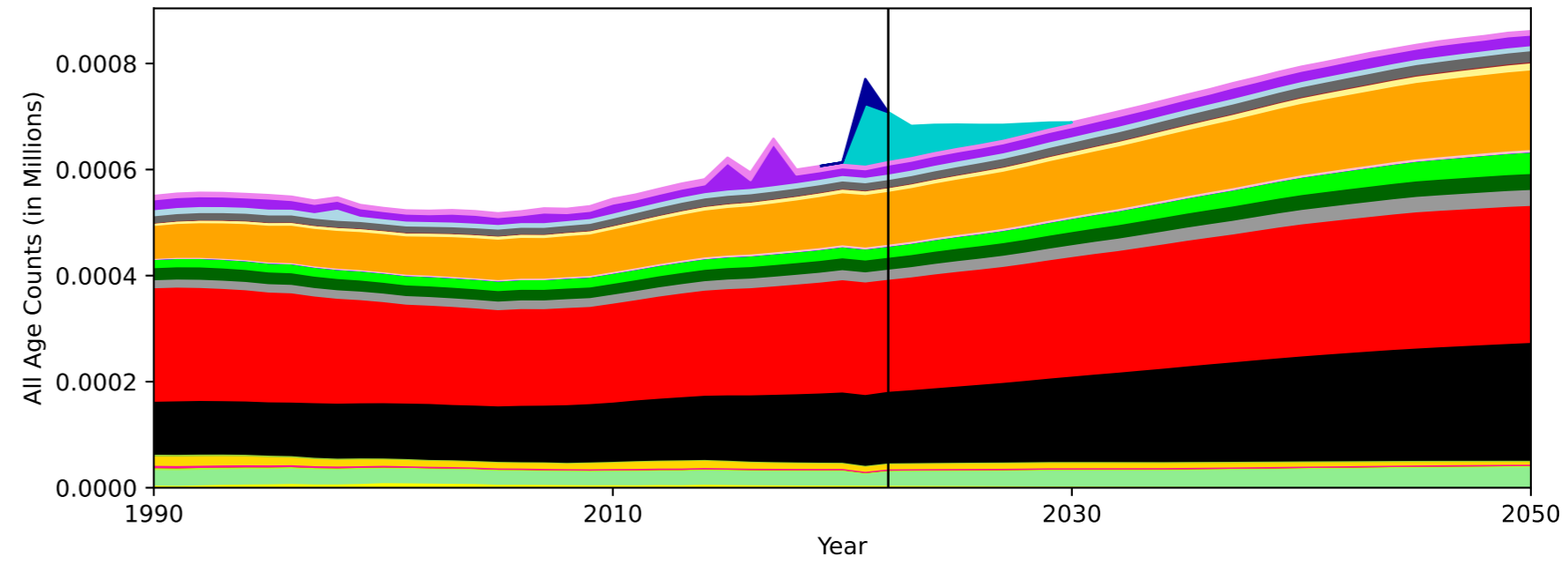
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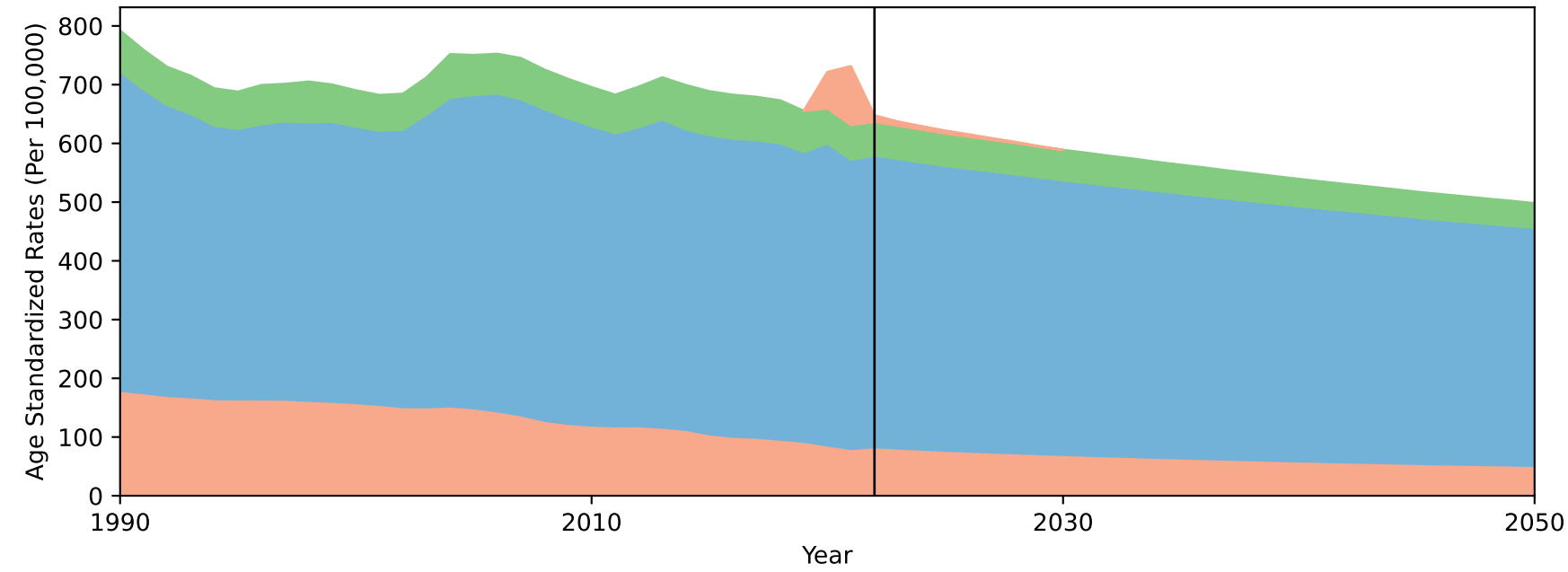
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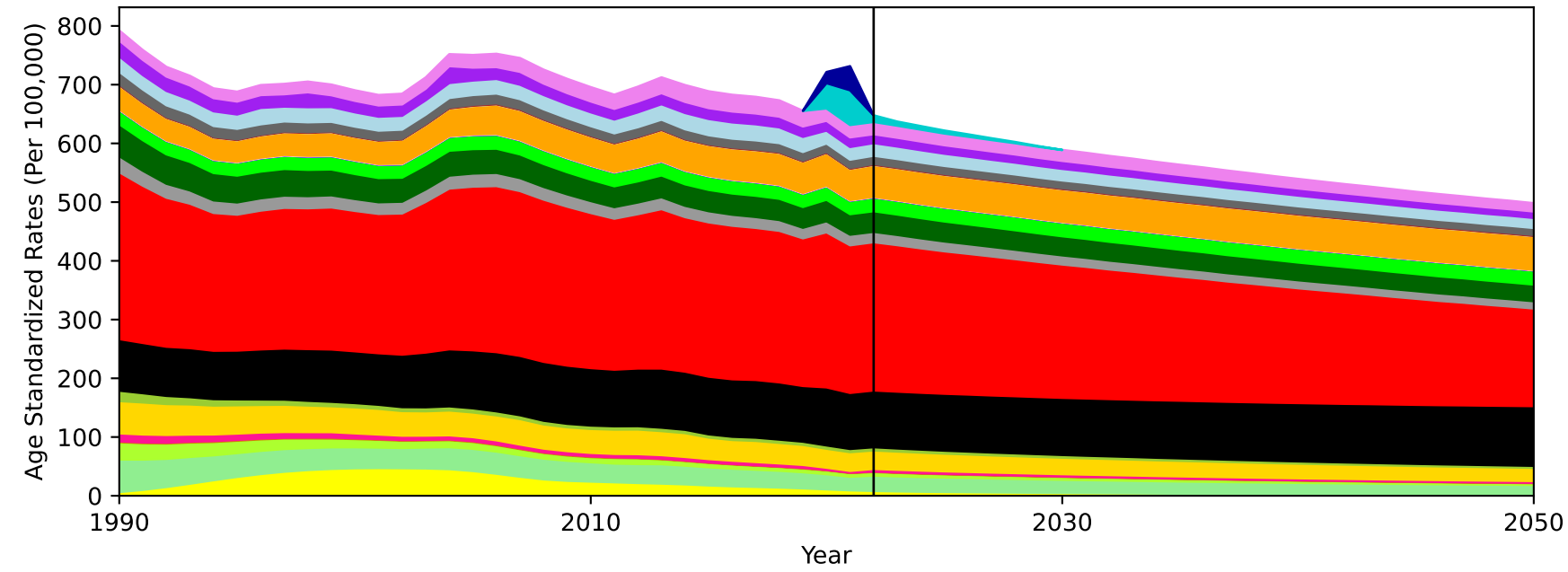
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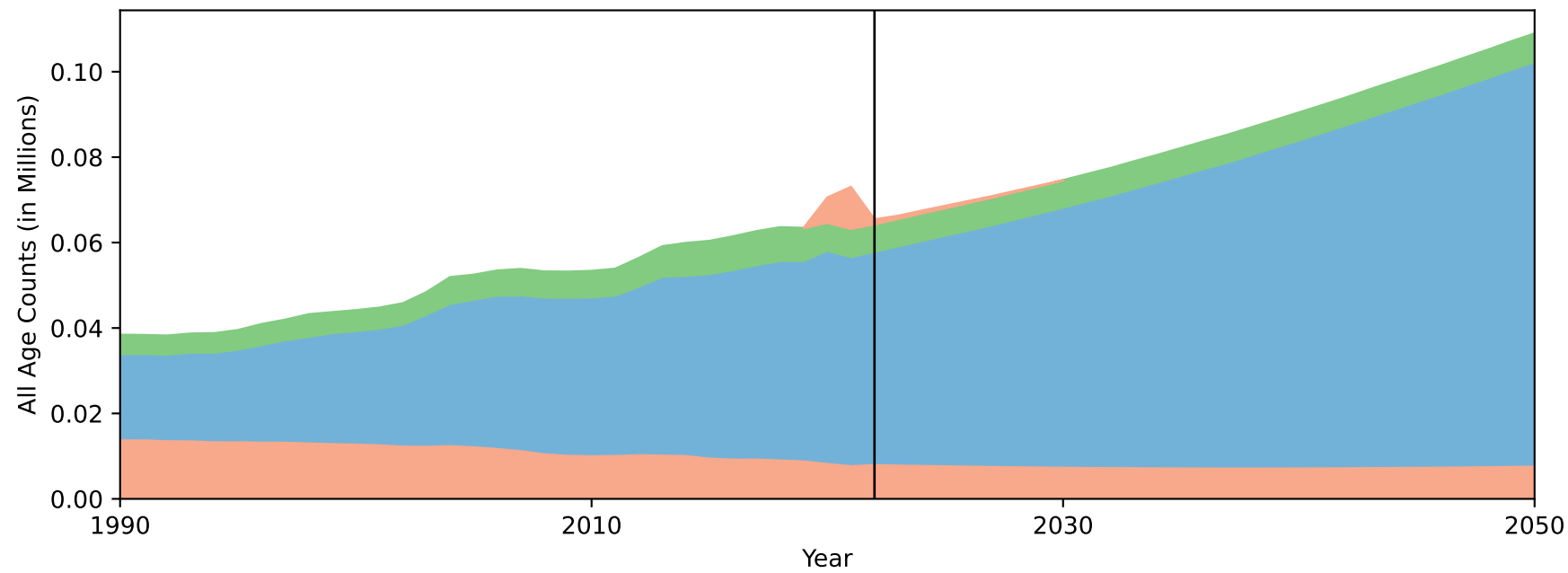
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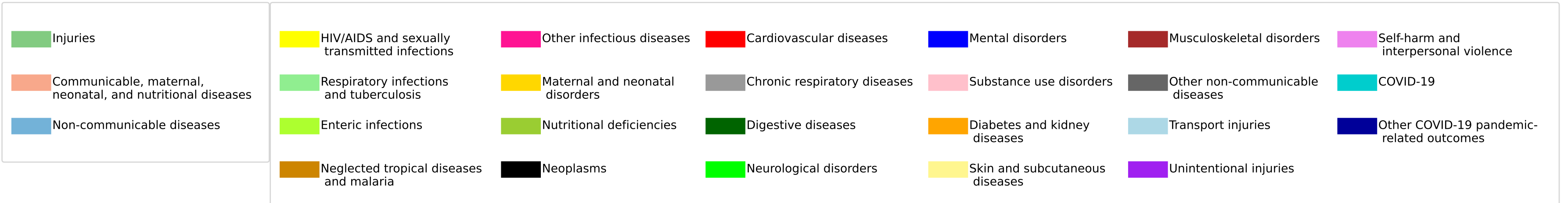
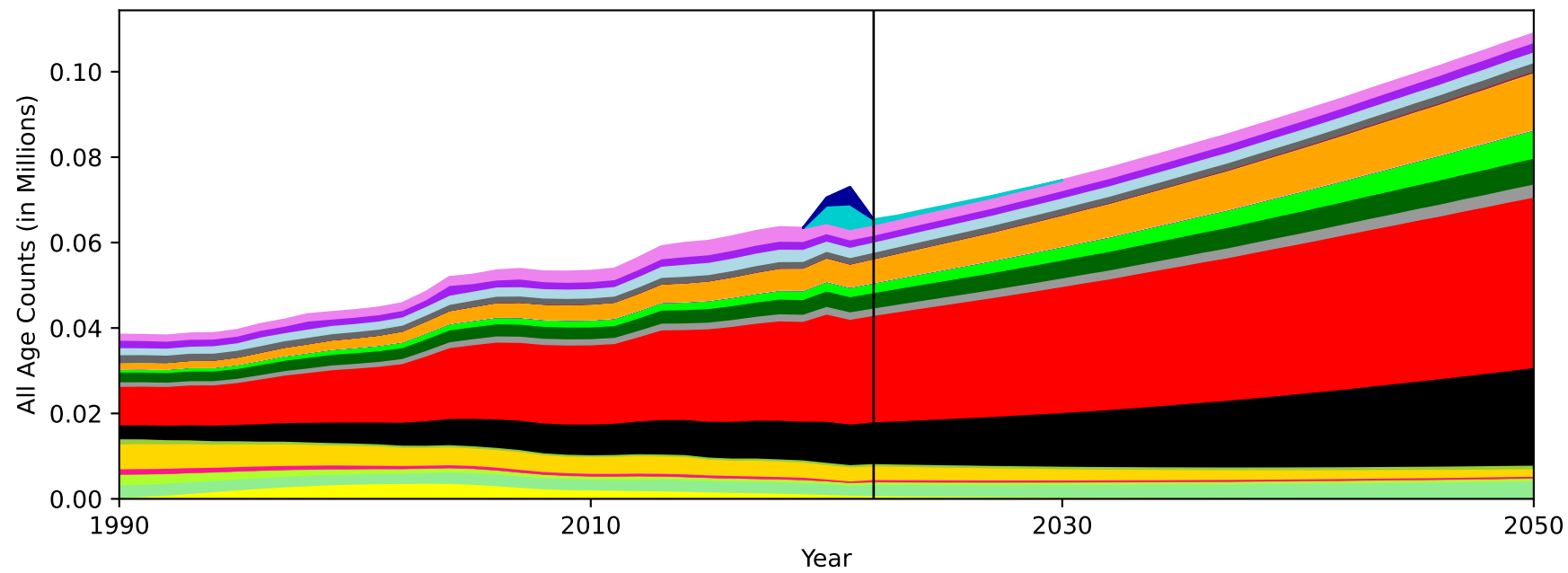
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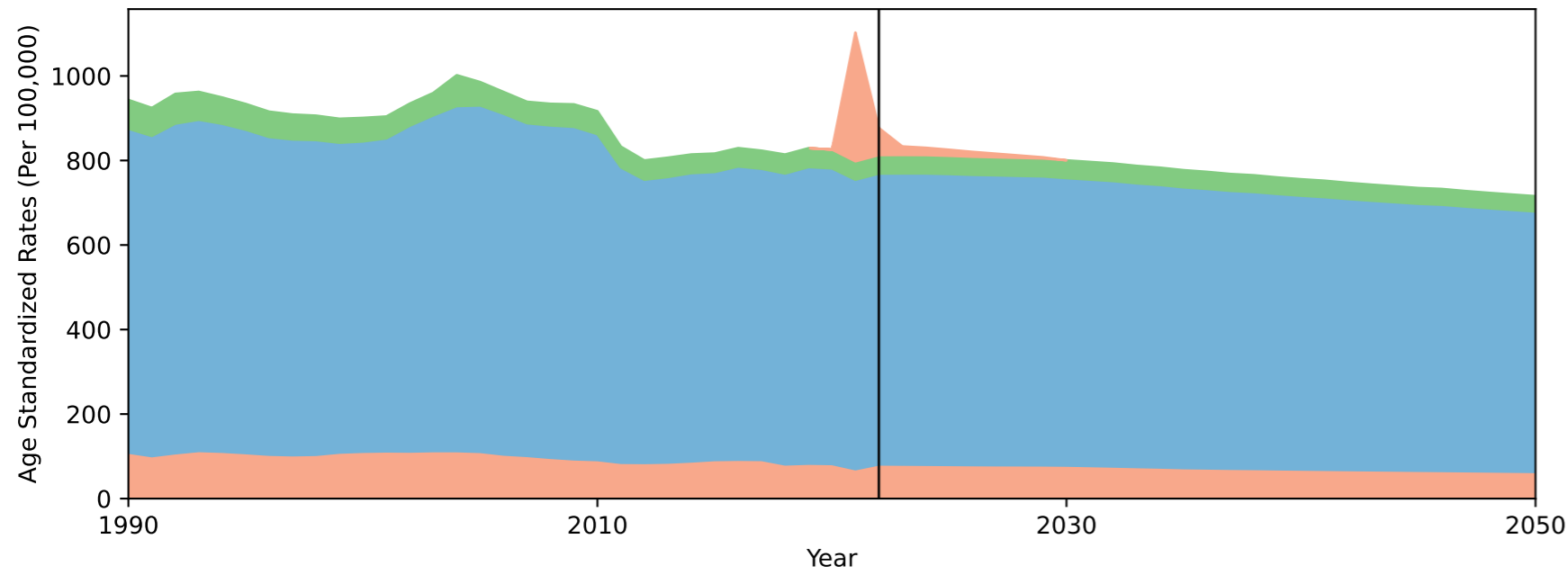


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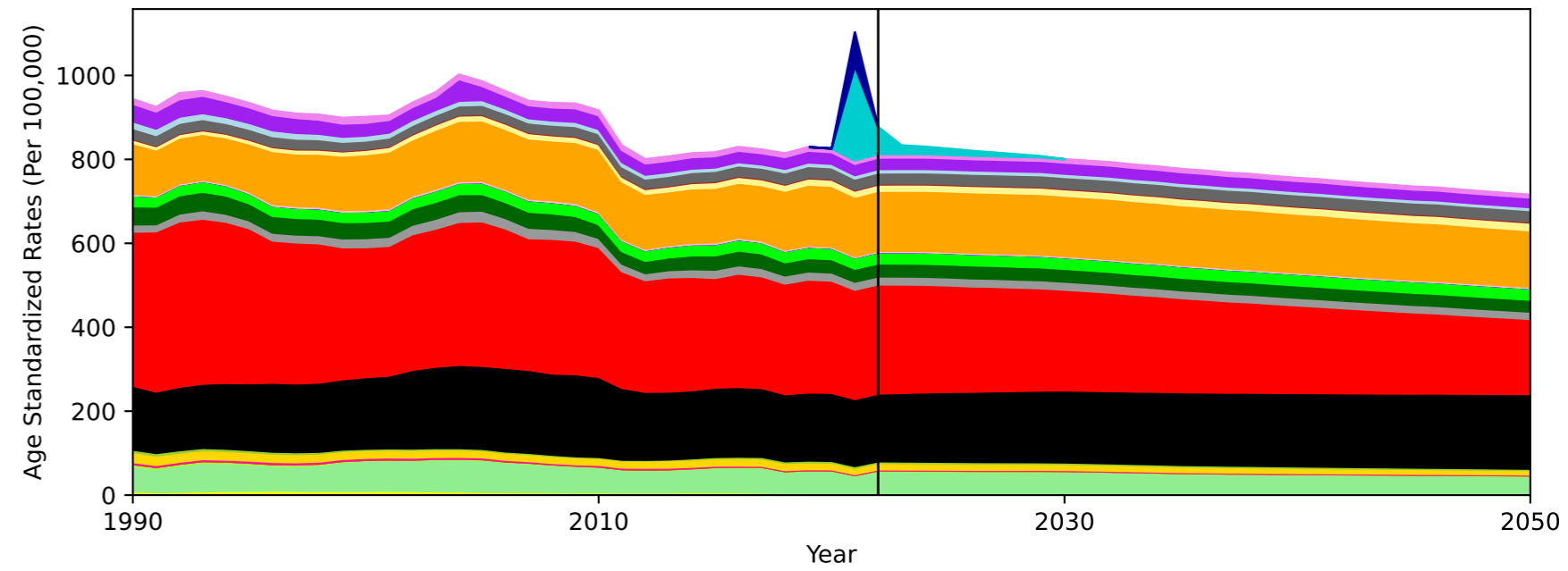


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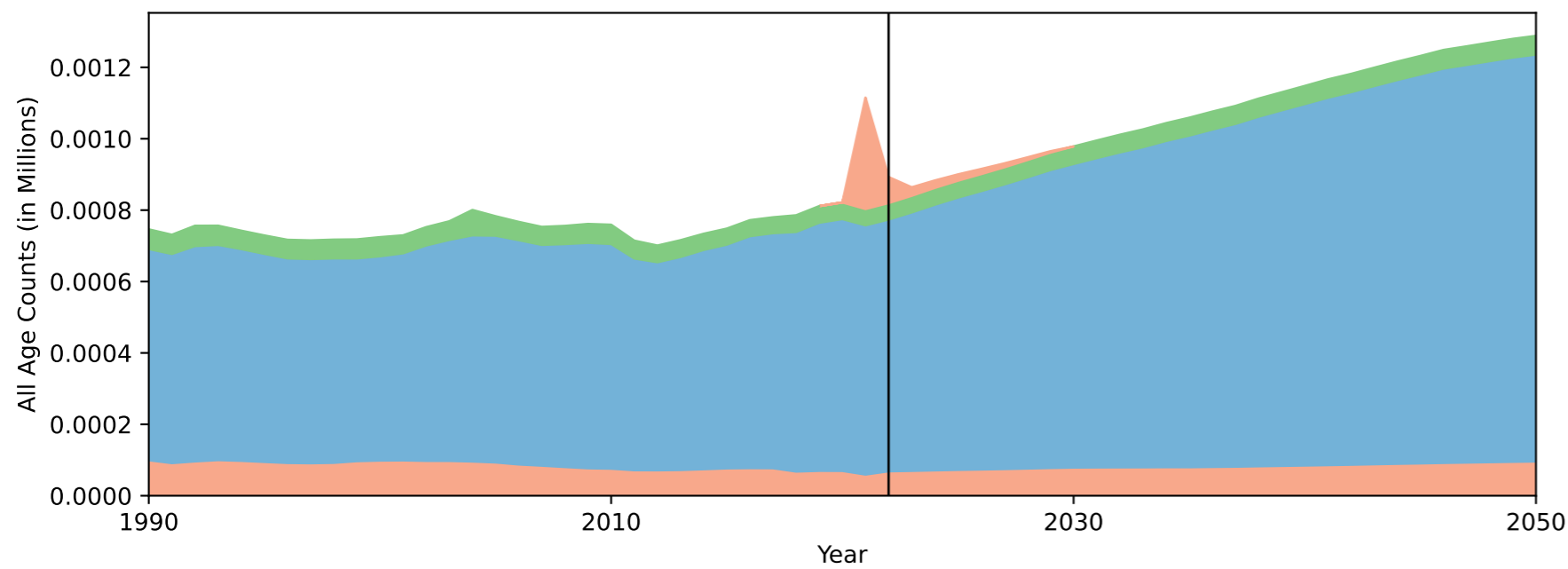
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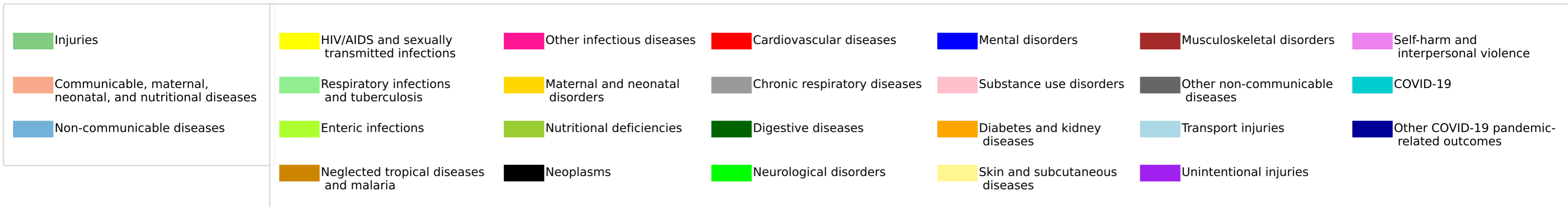
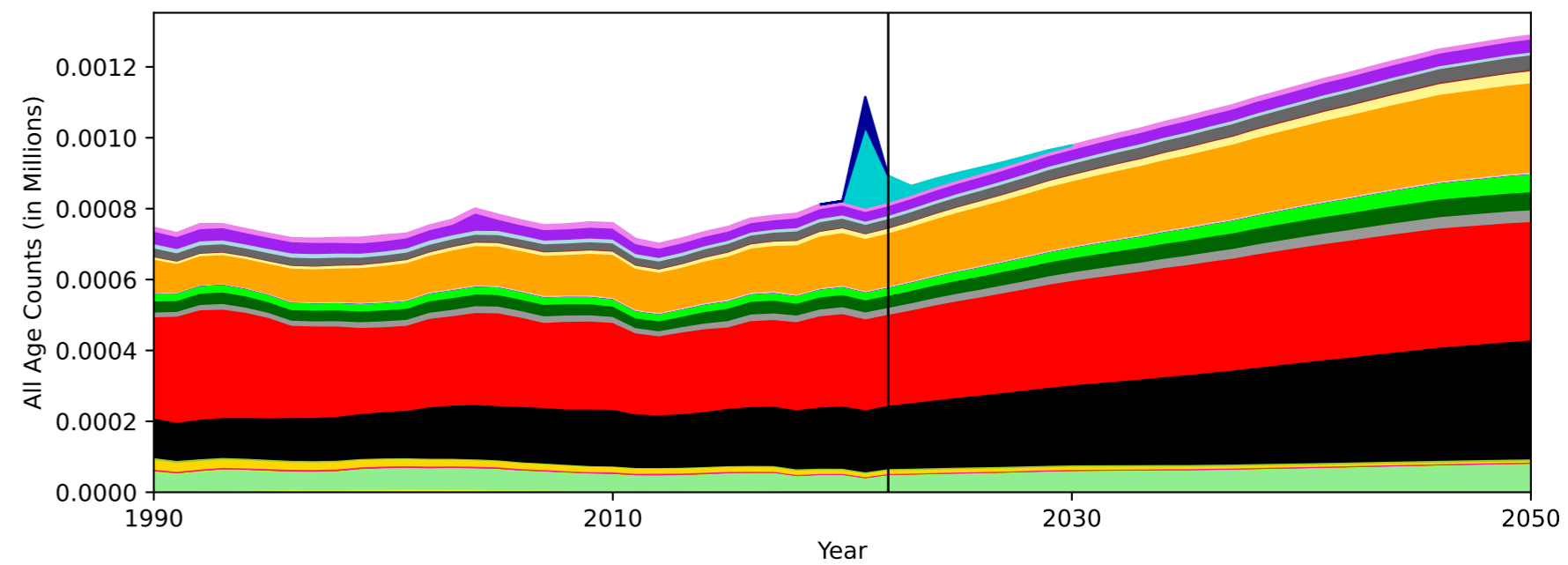
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Level 1

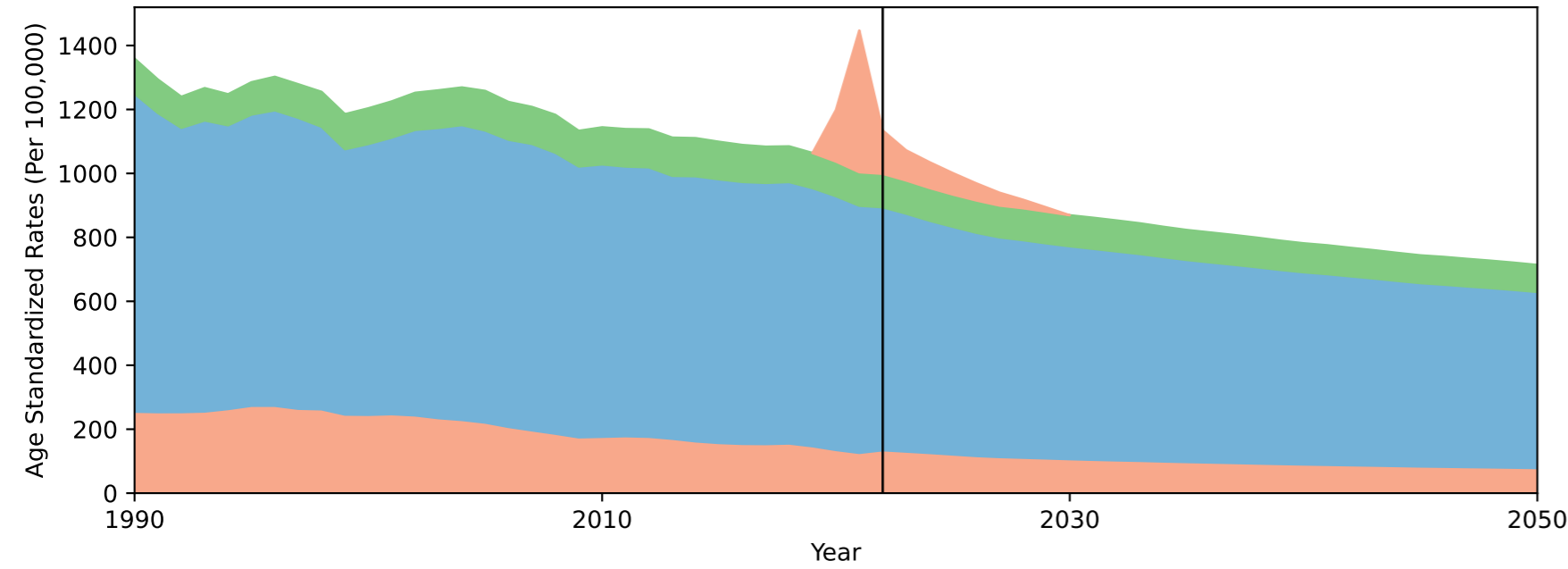


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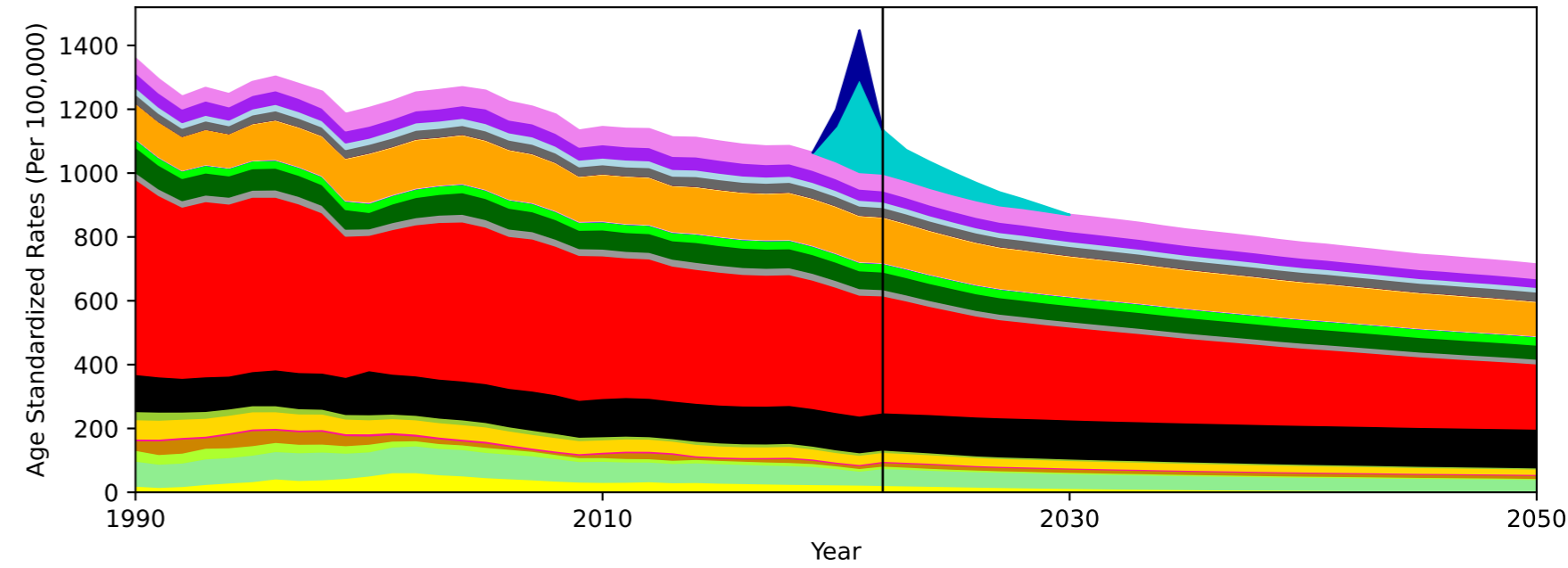


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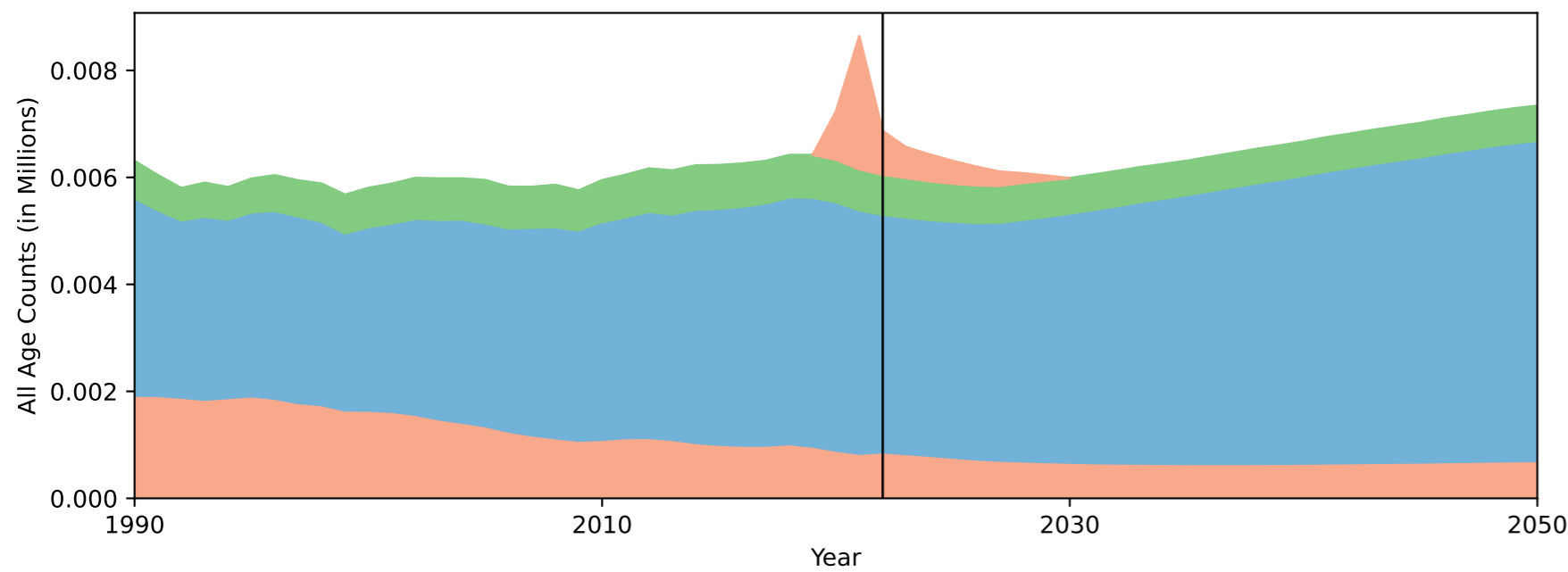
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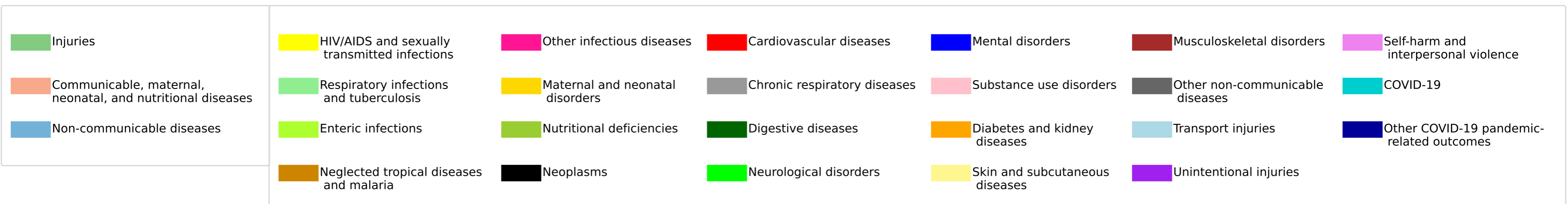
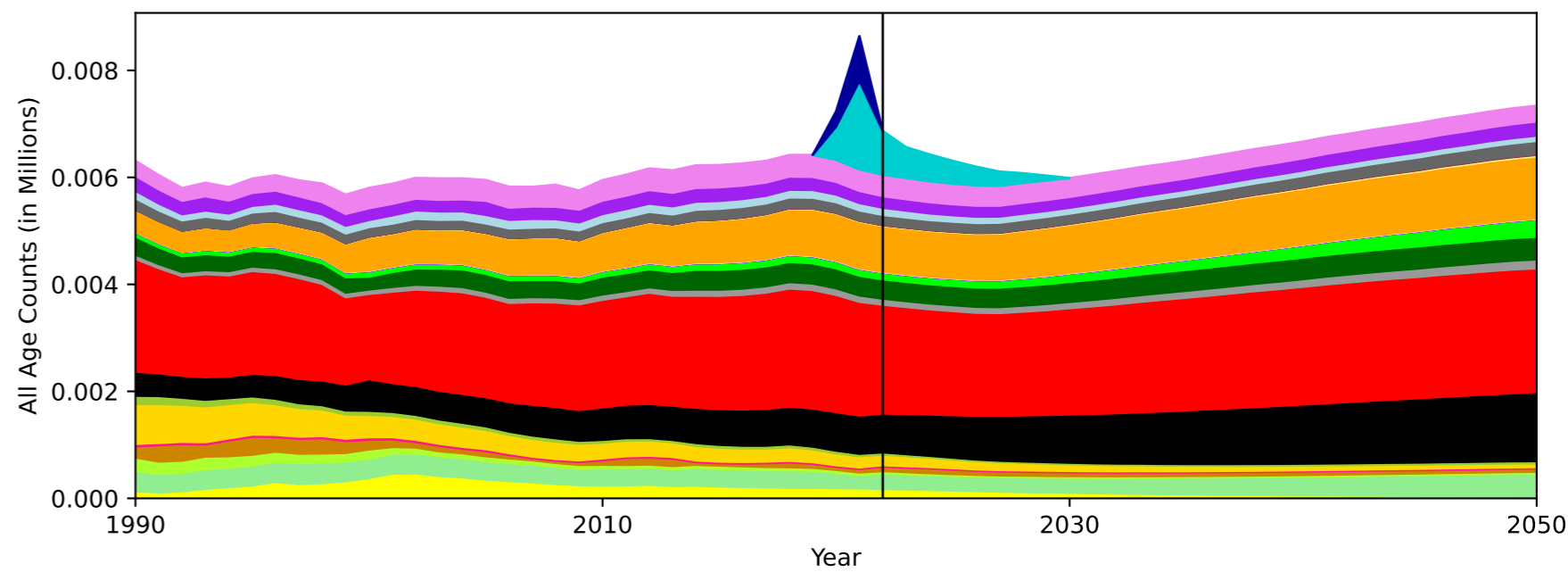
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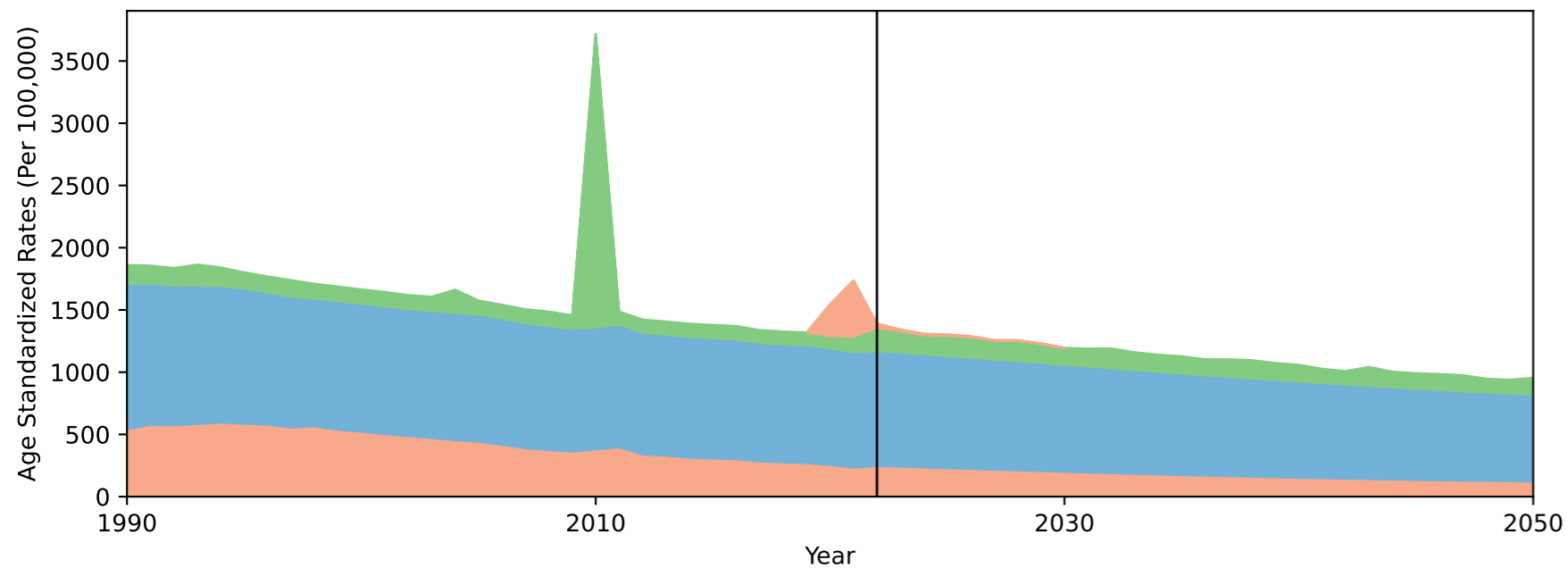
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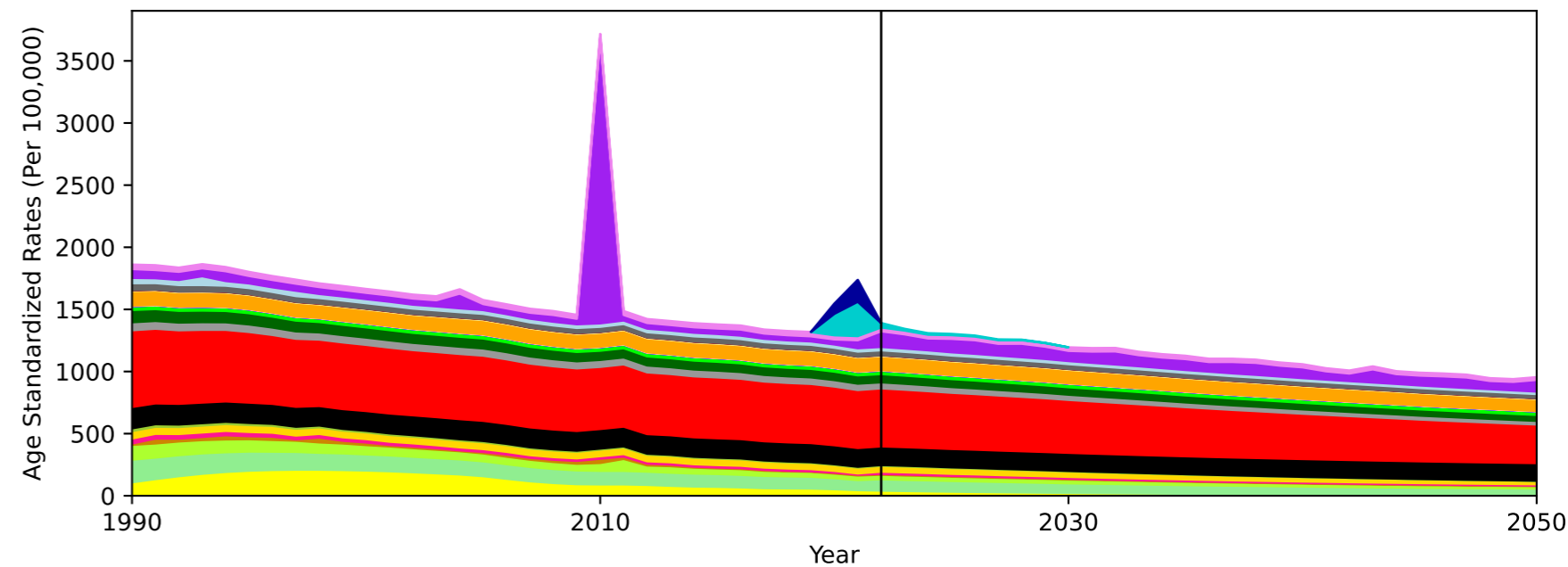
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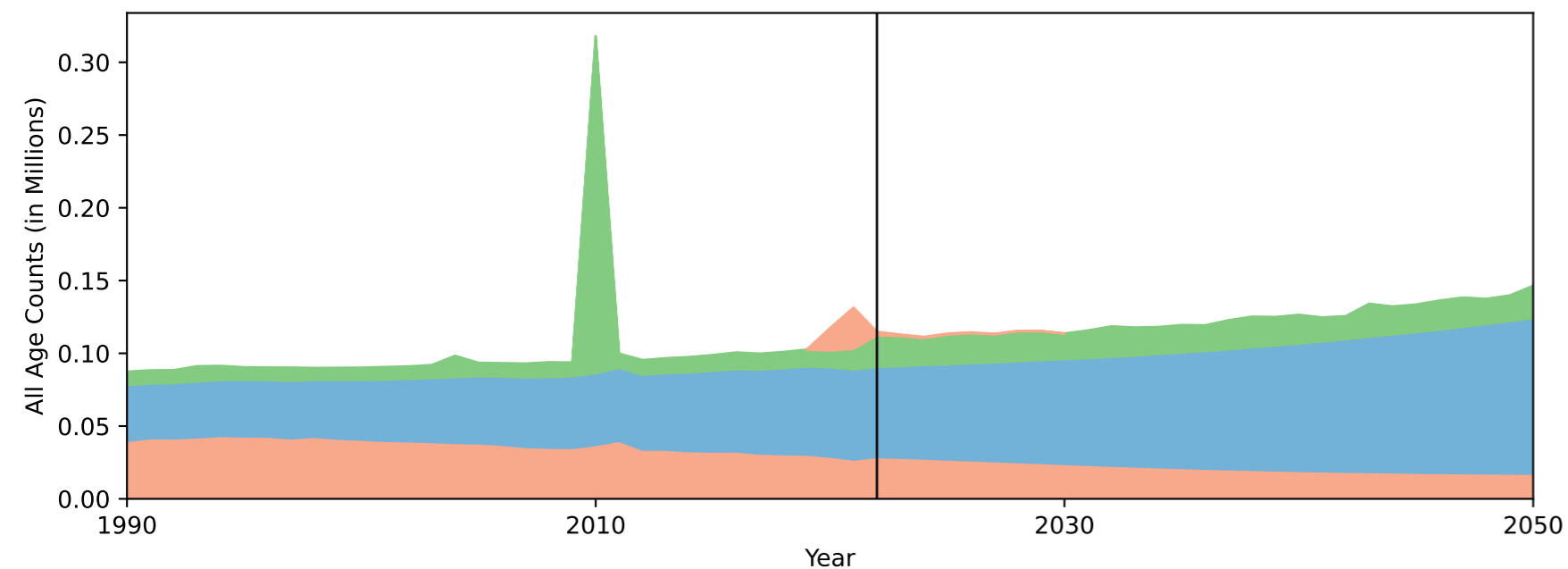
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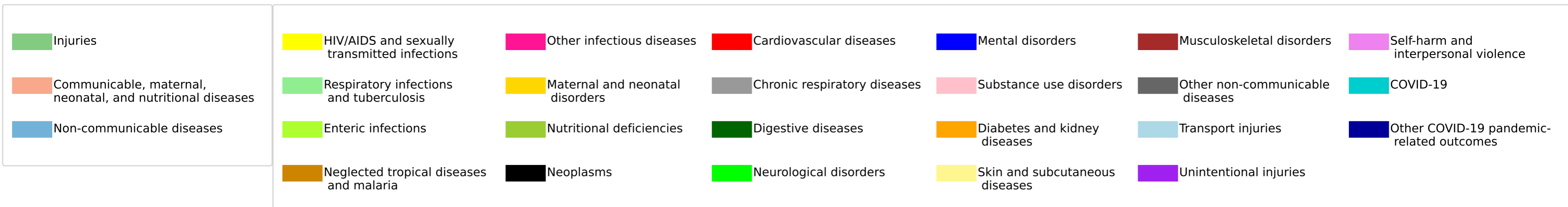
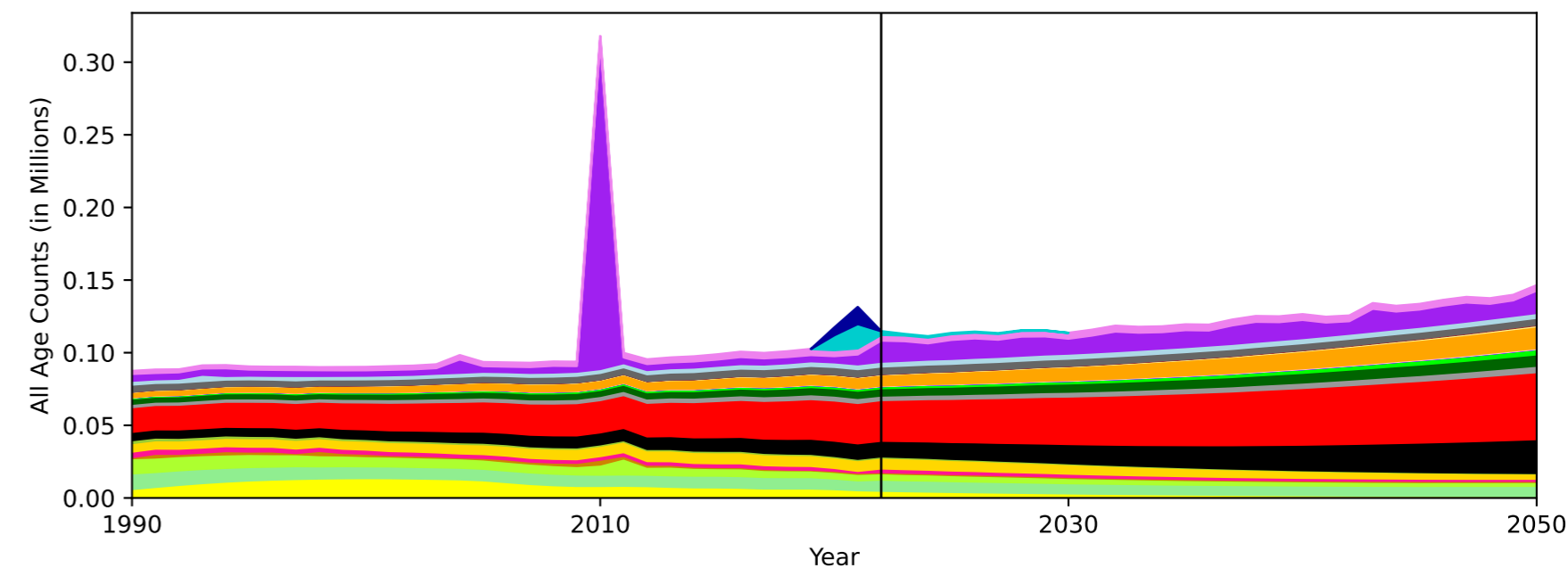
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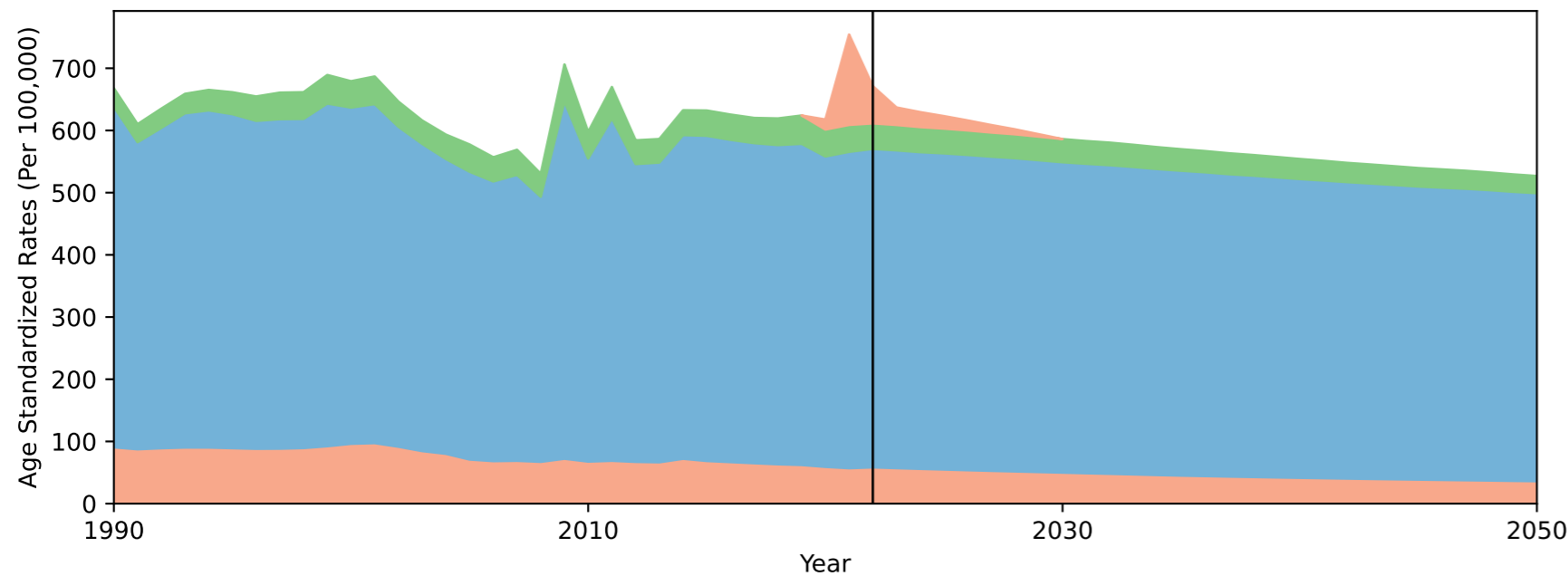
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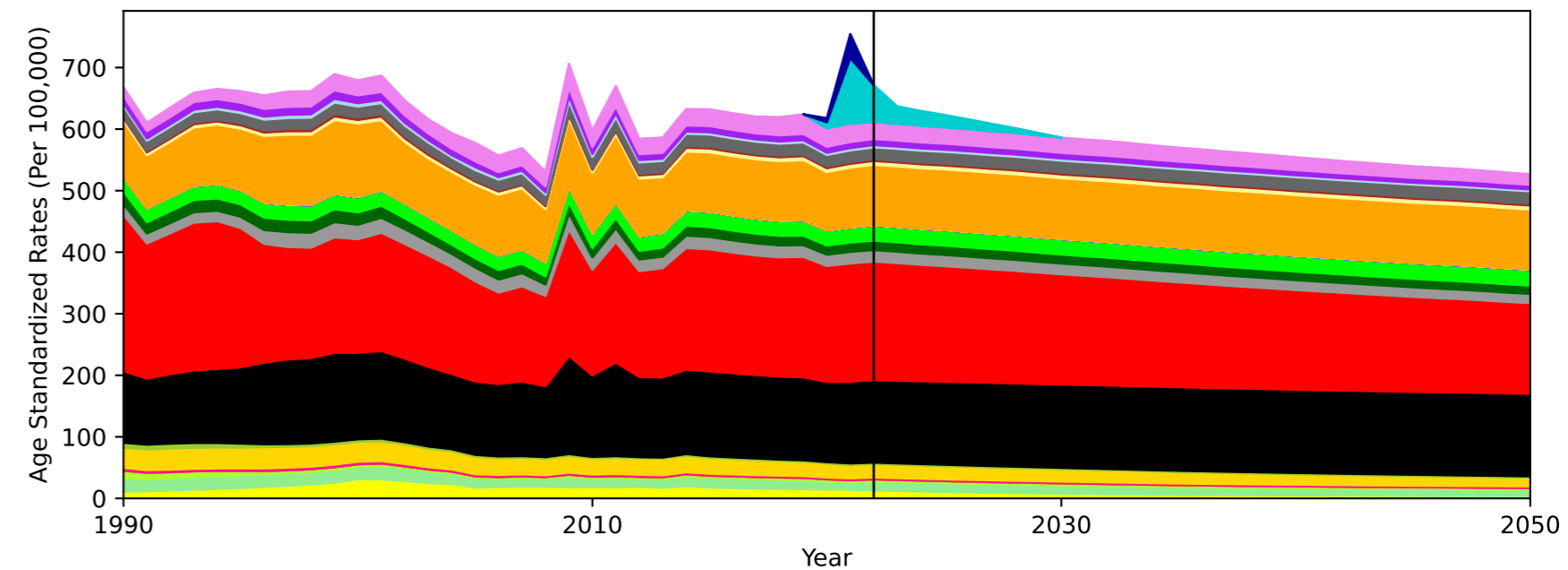
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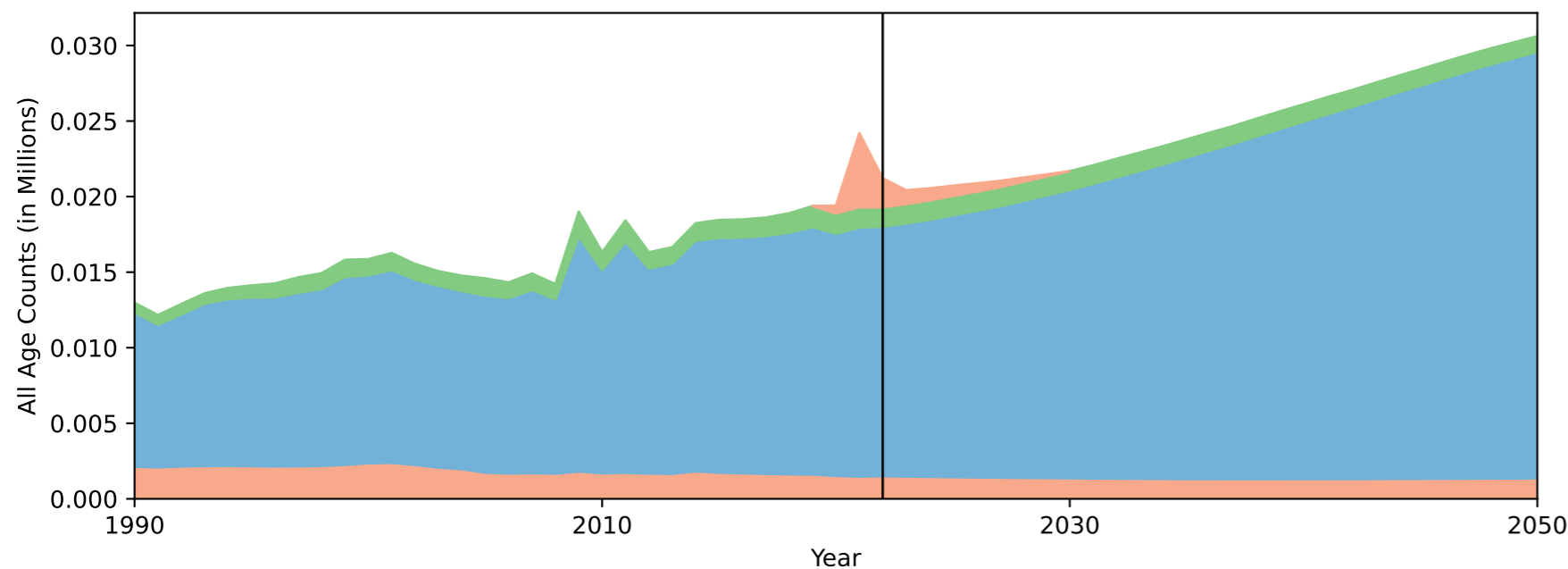
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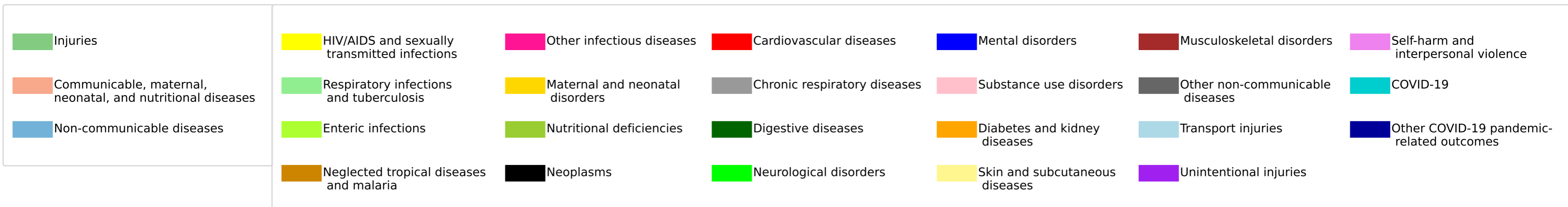
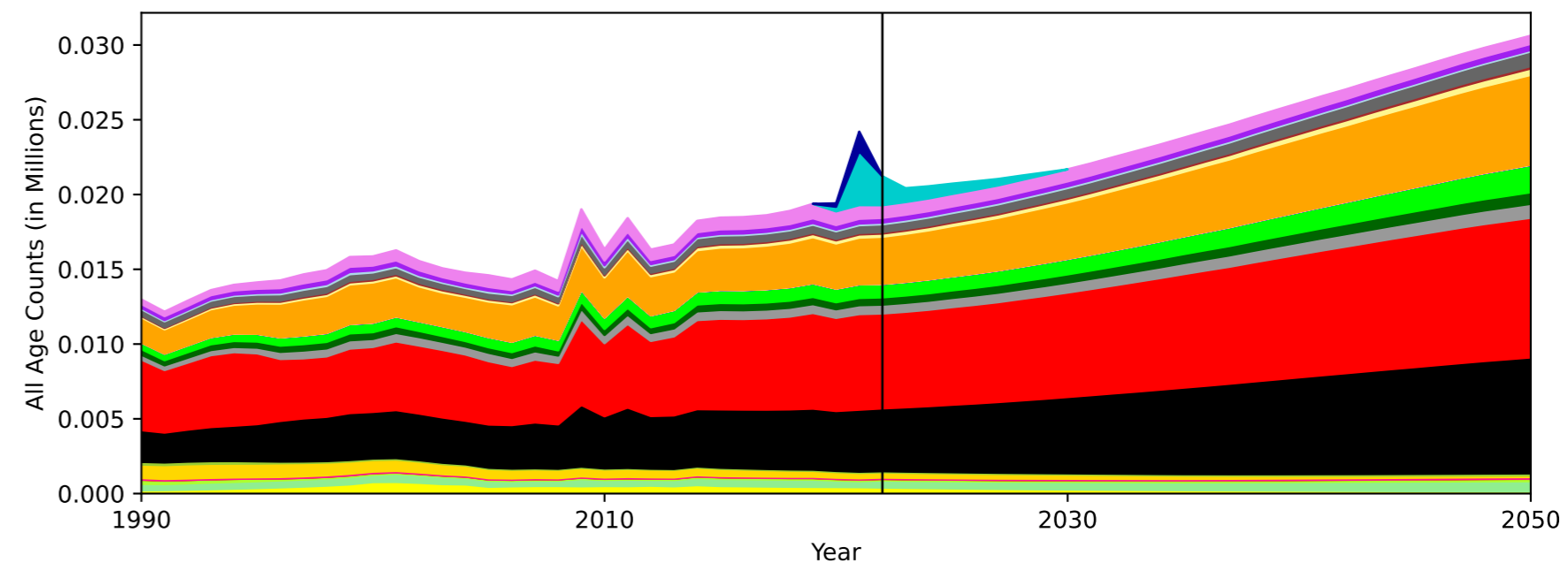
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Level 1

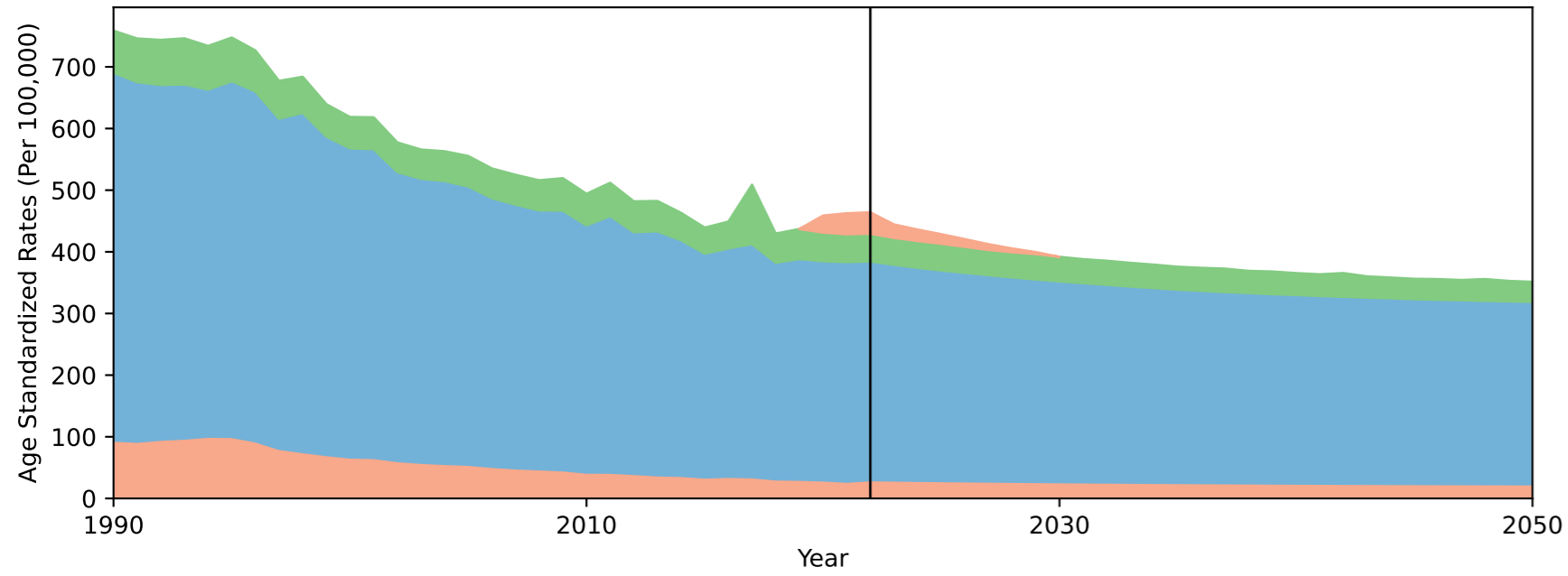


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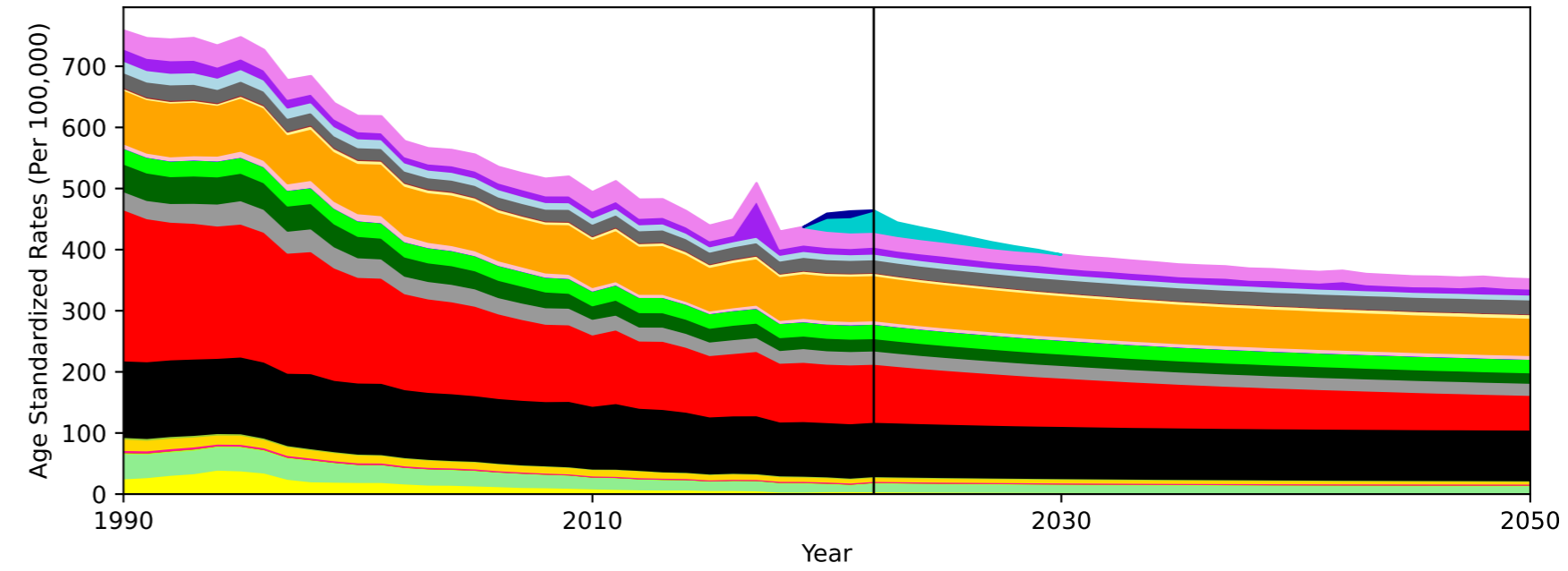


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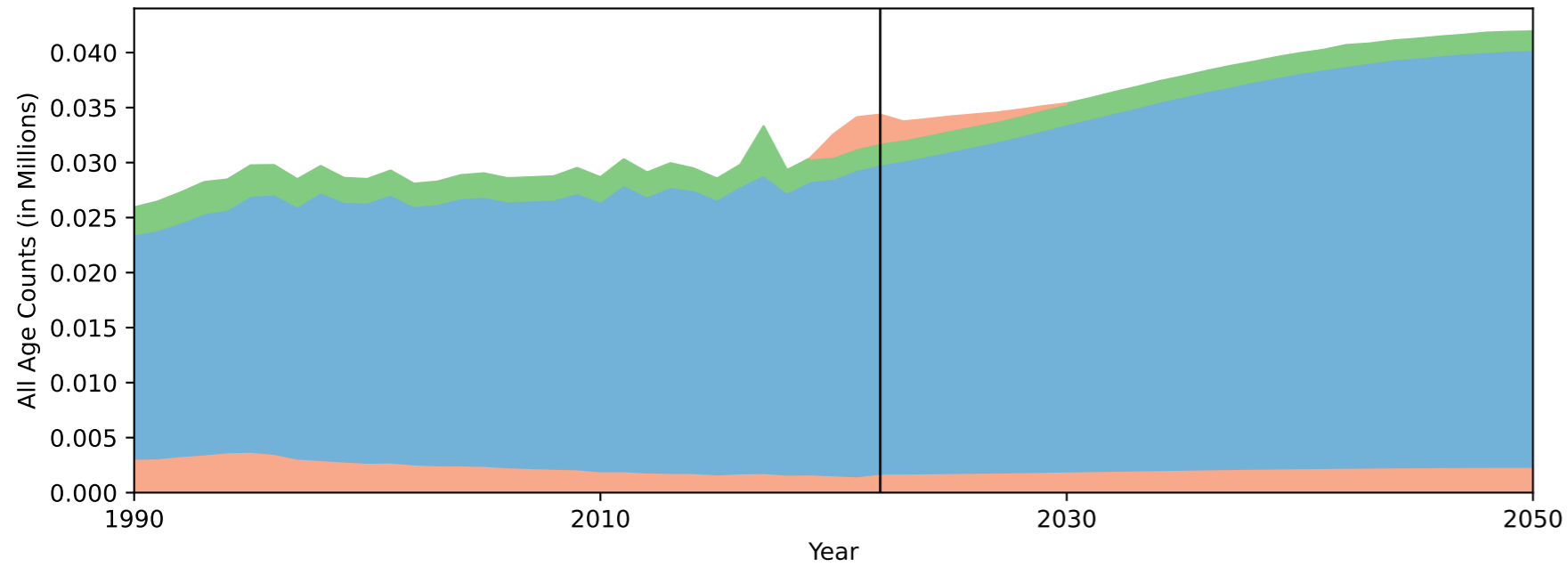
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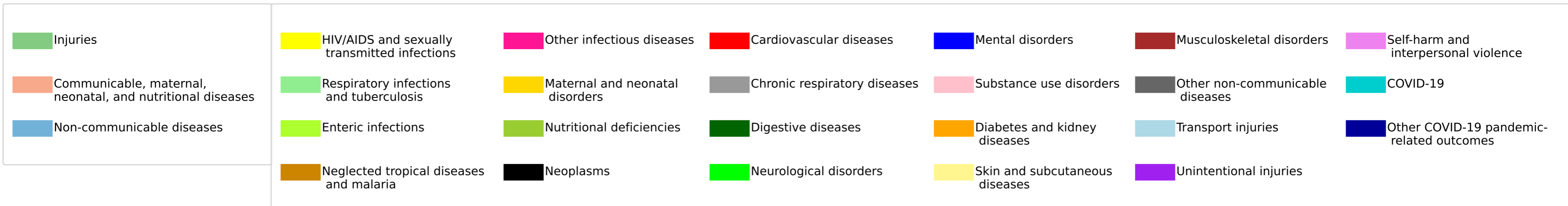
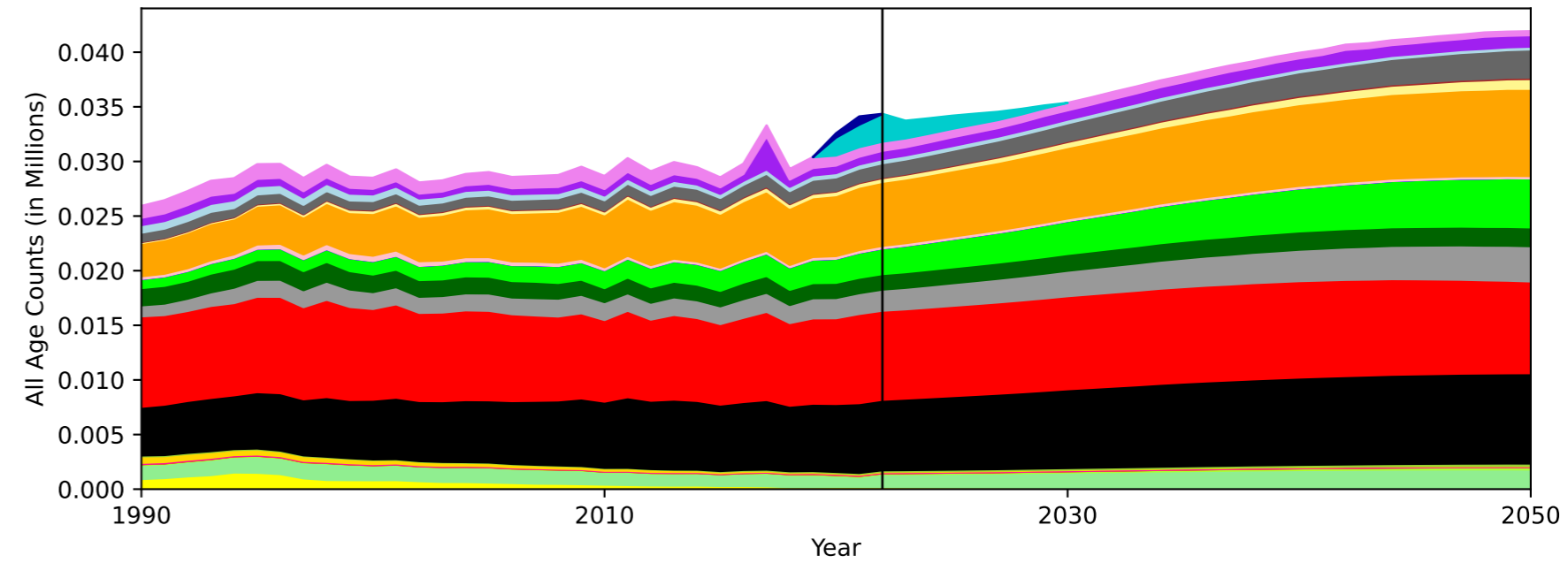
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Level 1



Level 2

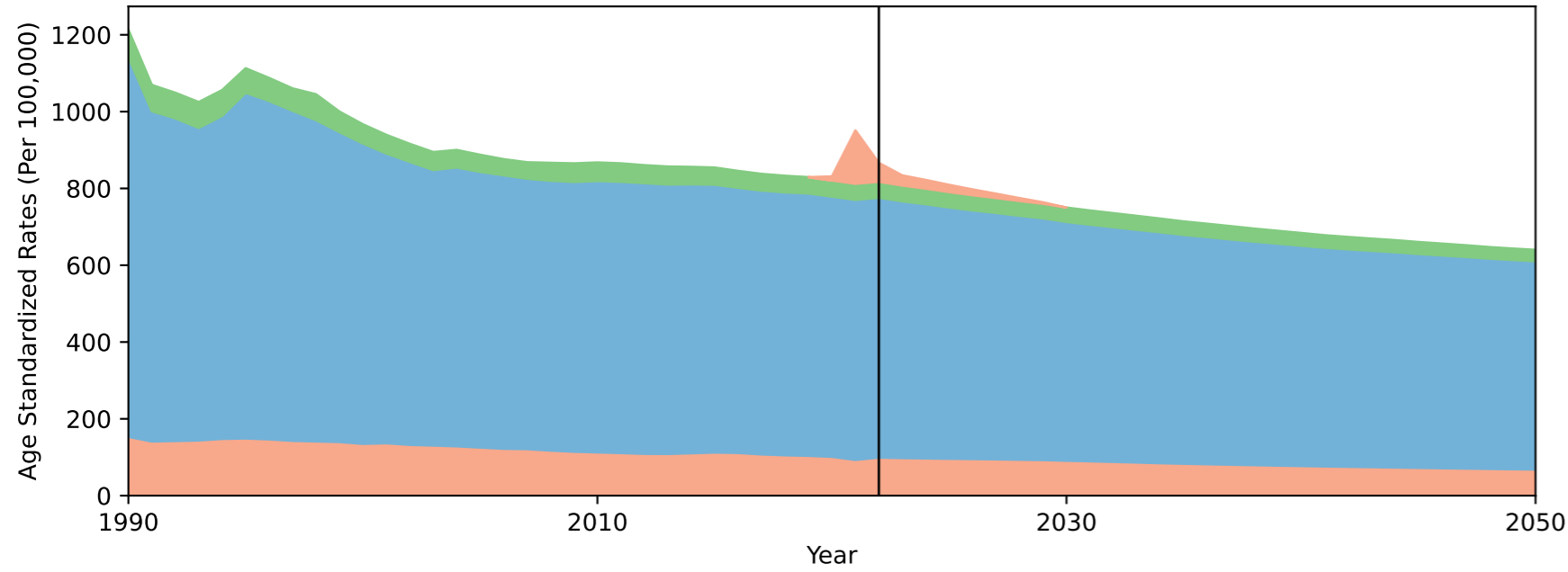


# Saint Kitts And Nevis

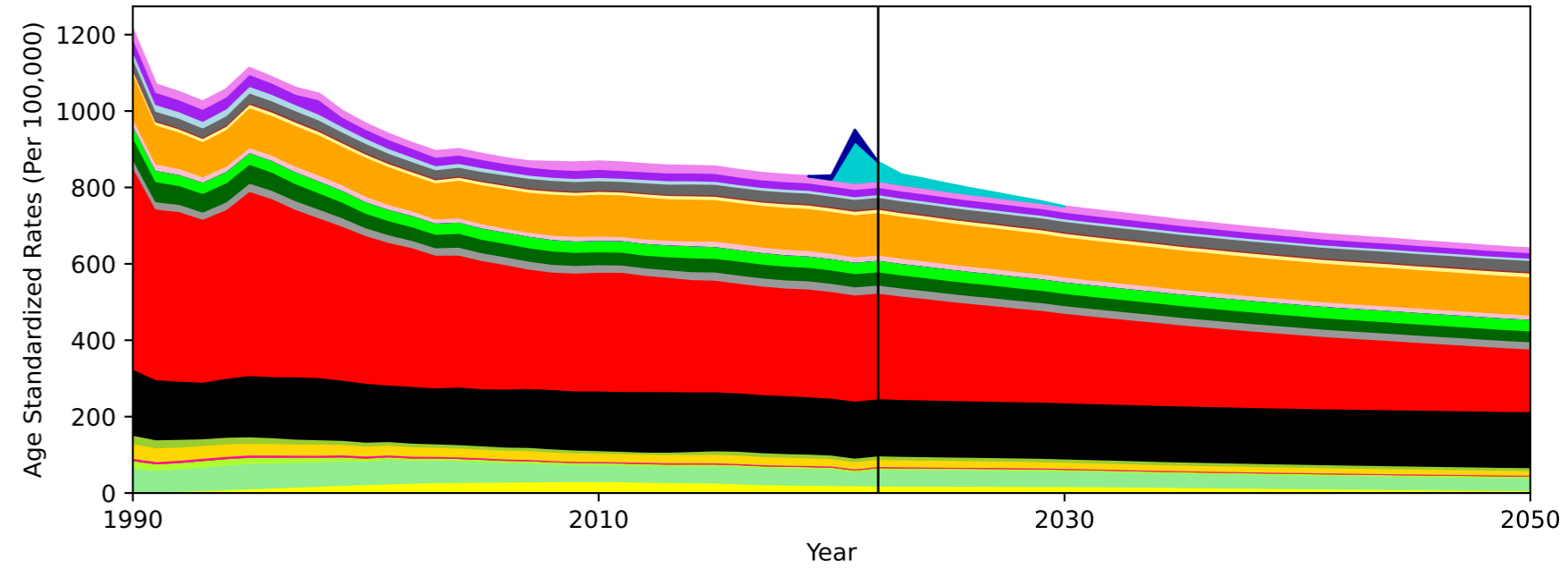
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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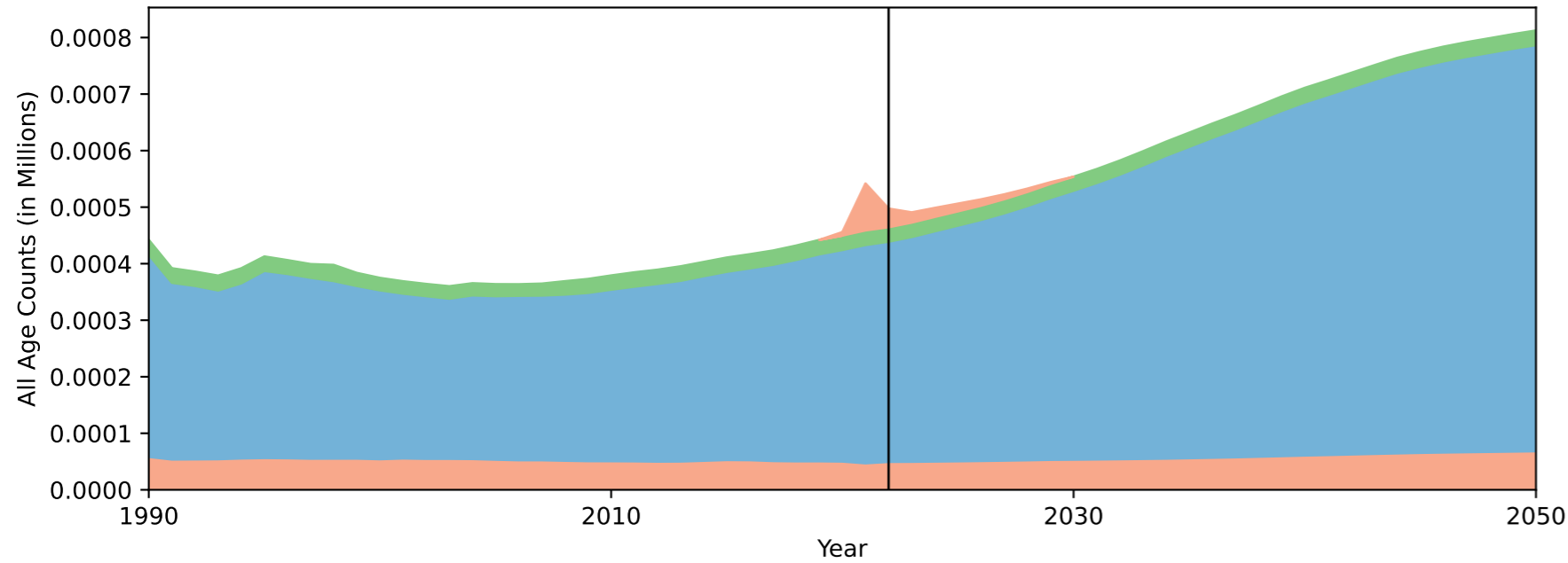
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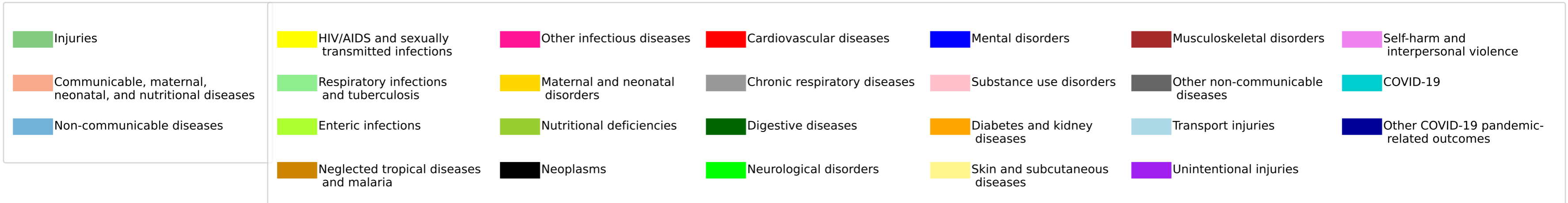
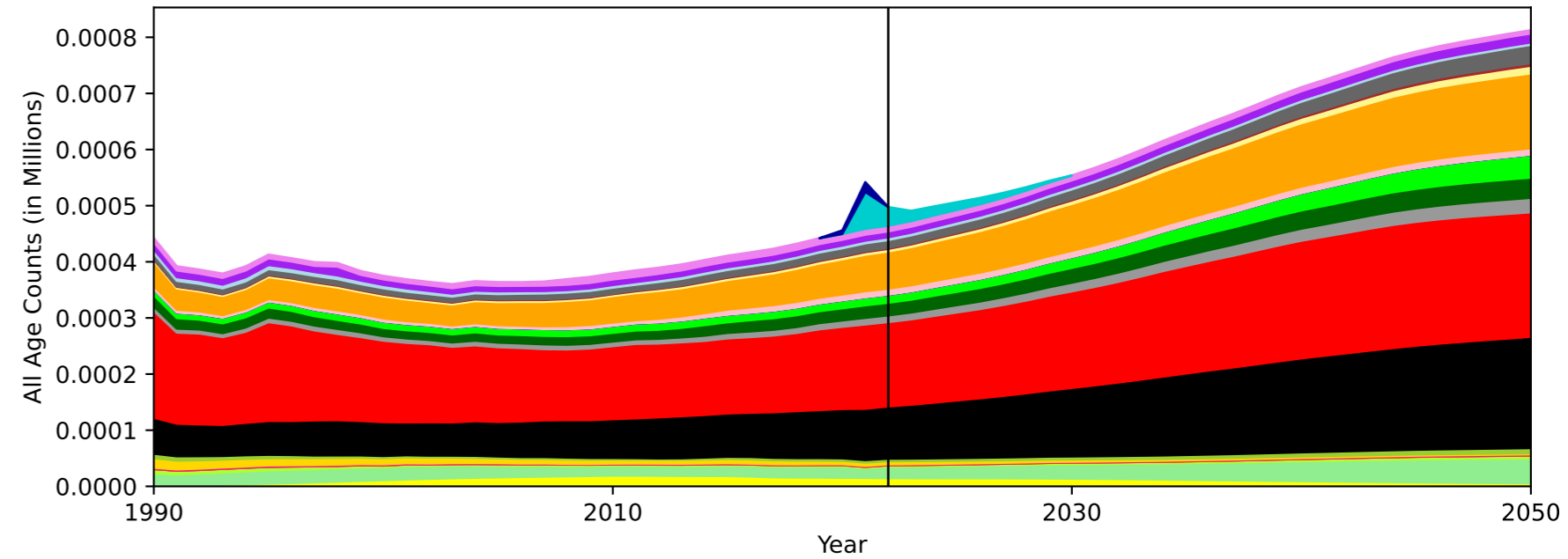
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Level 1



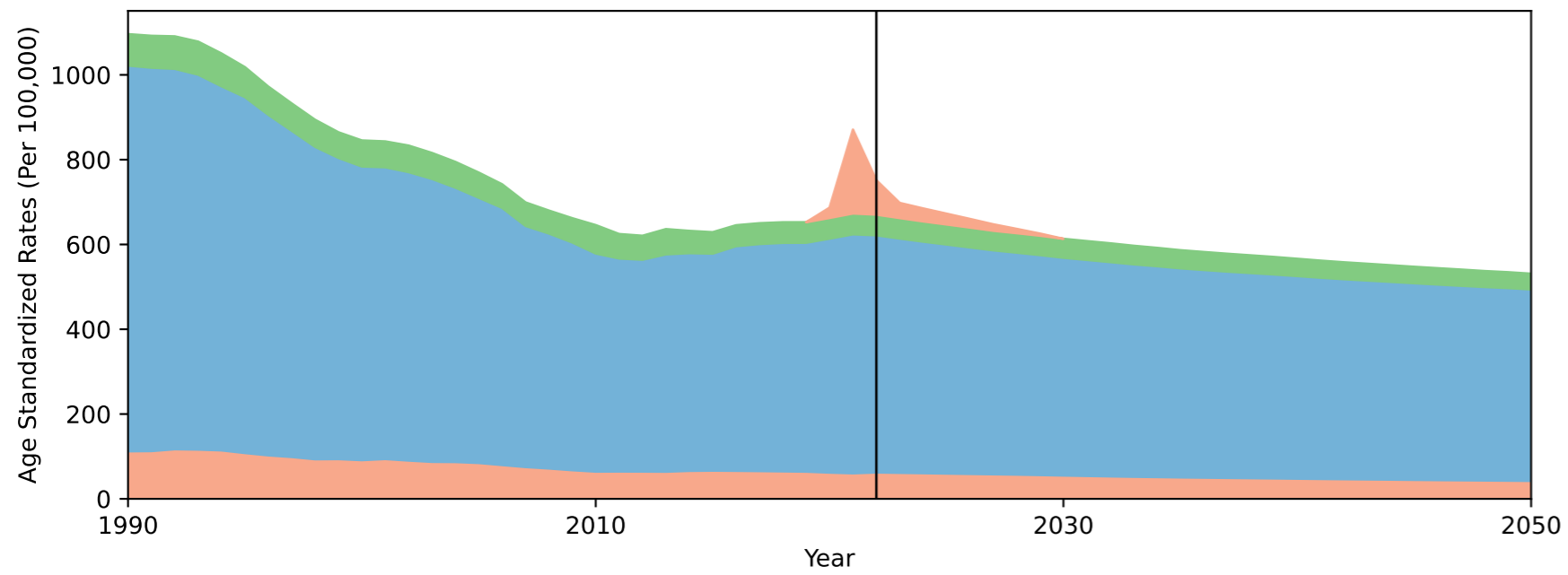
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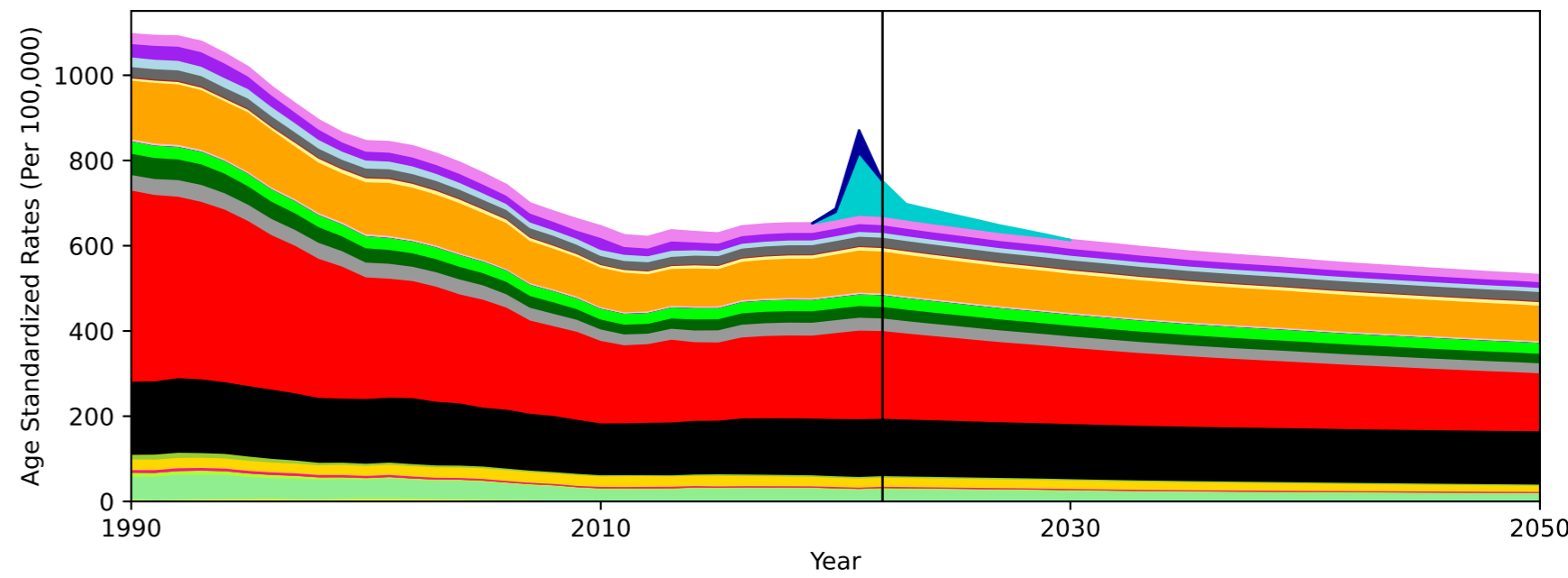


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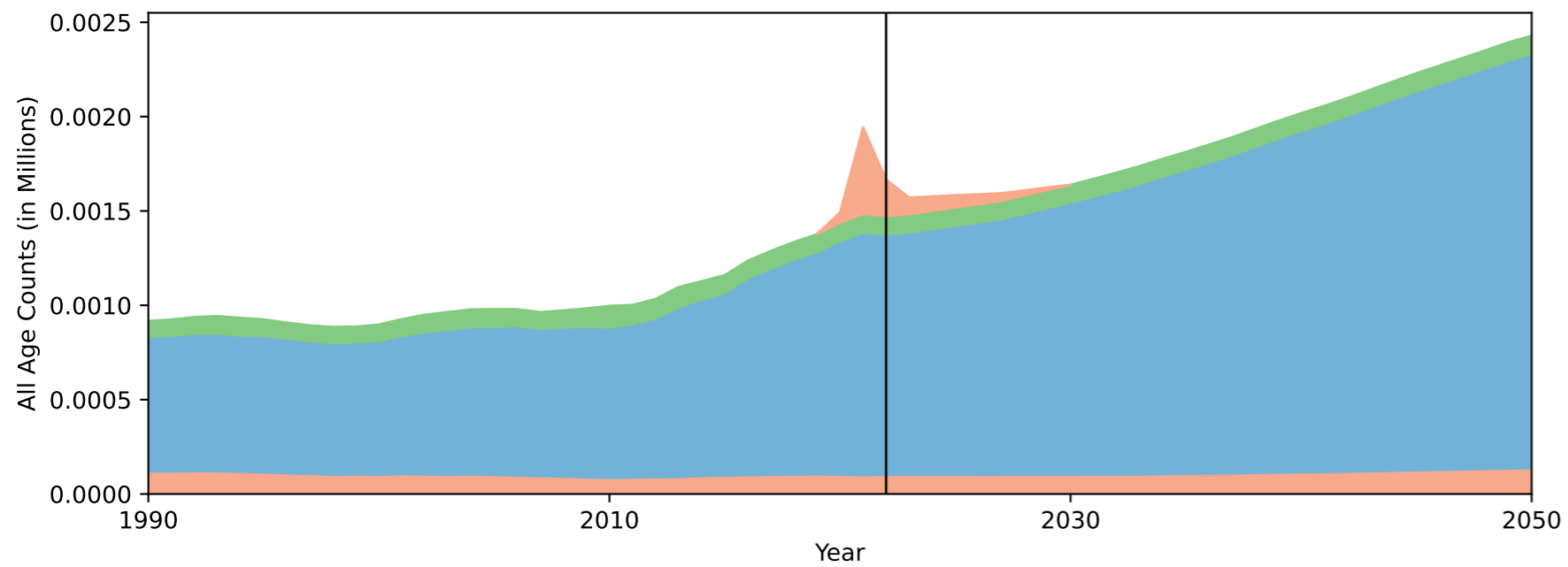
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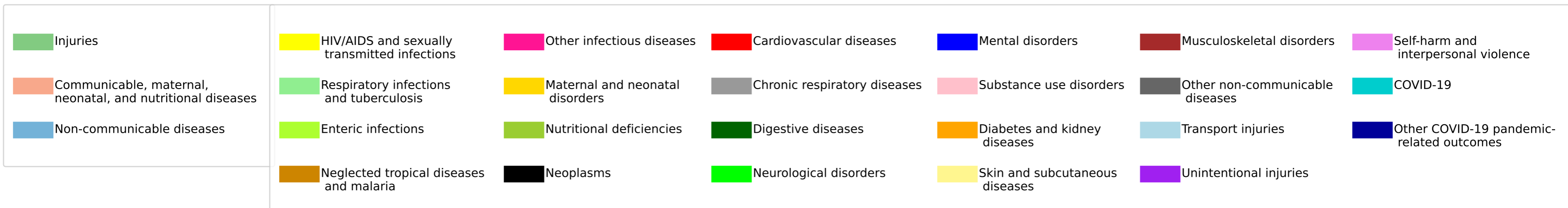
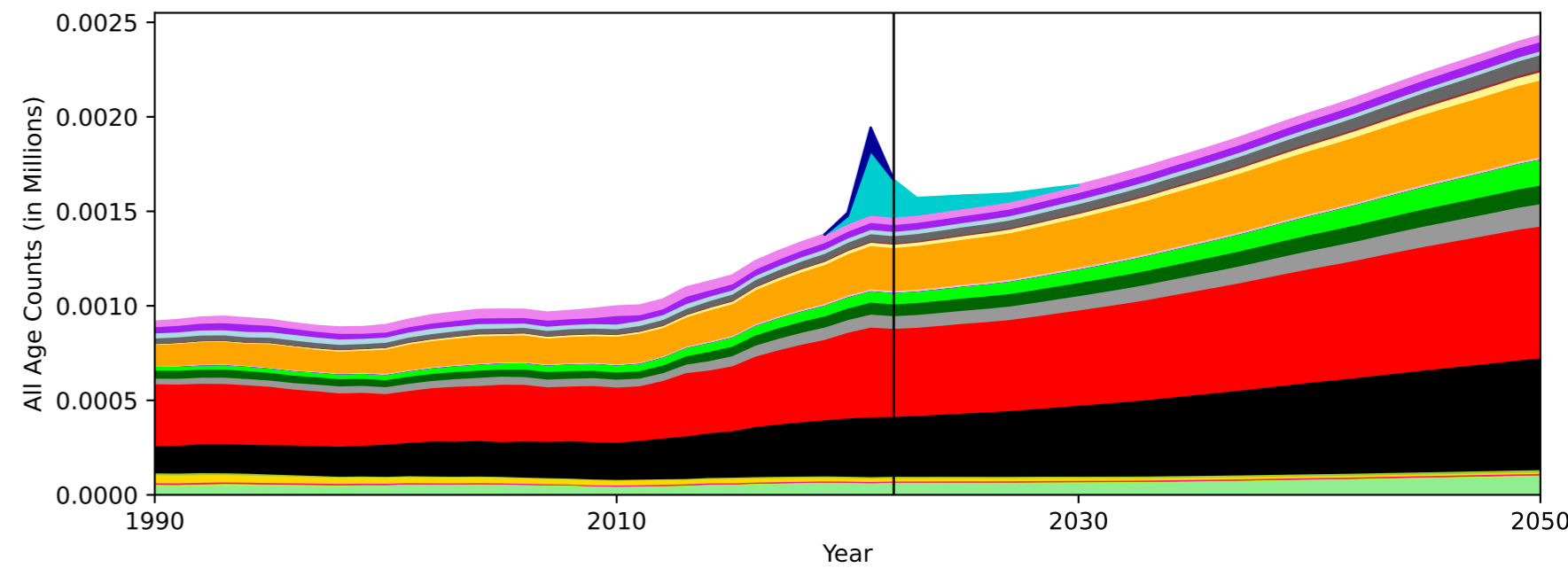
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Level 1

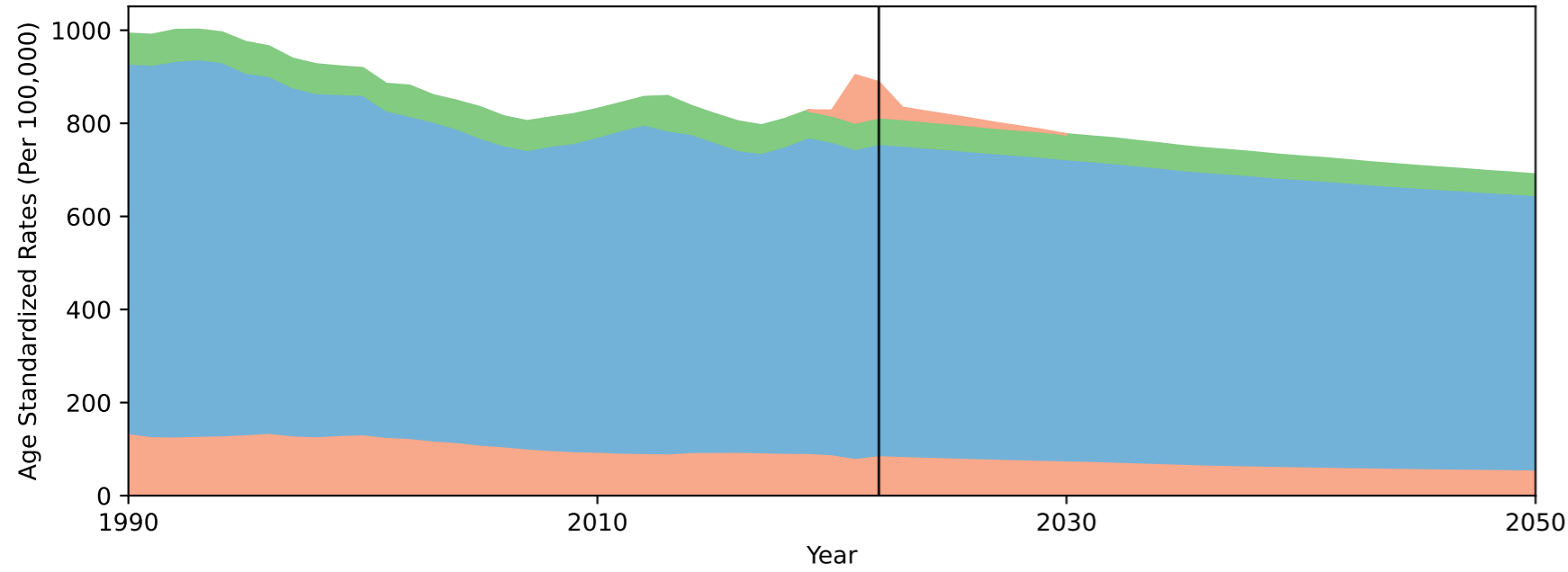


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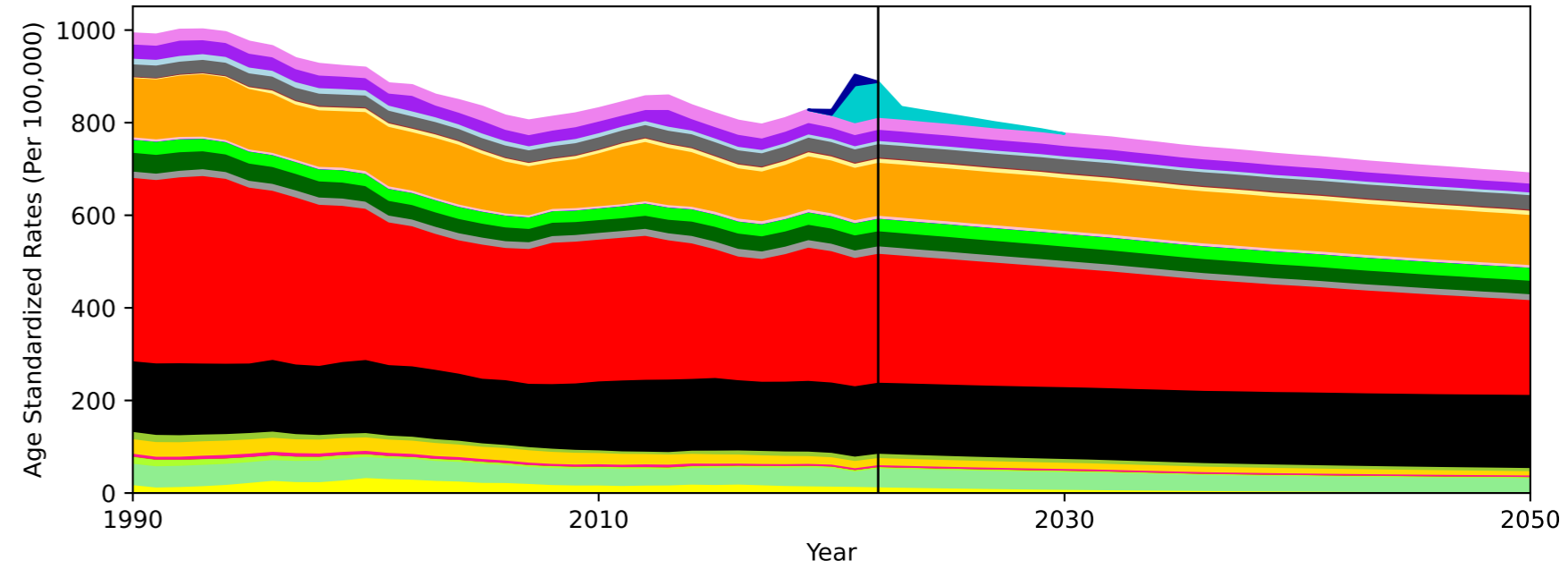


# Saint Vincent And The Grenadines

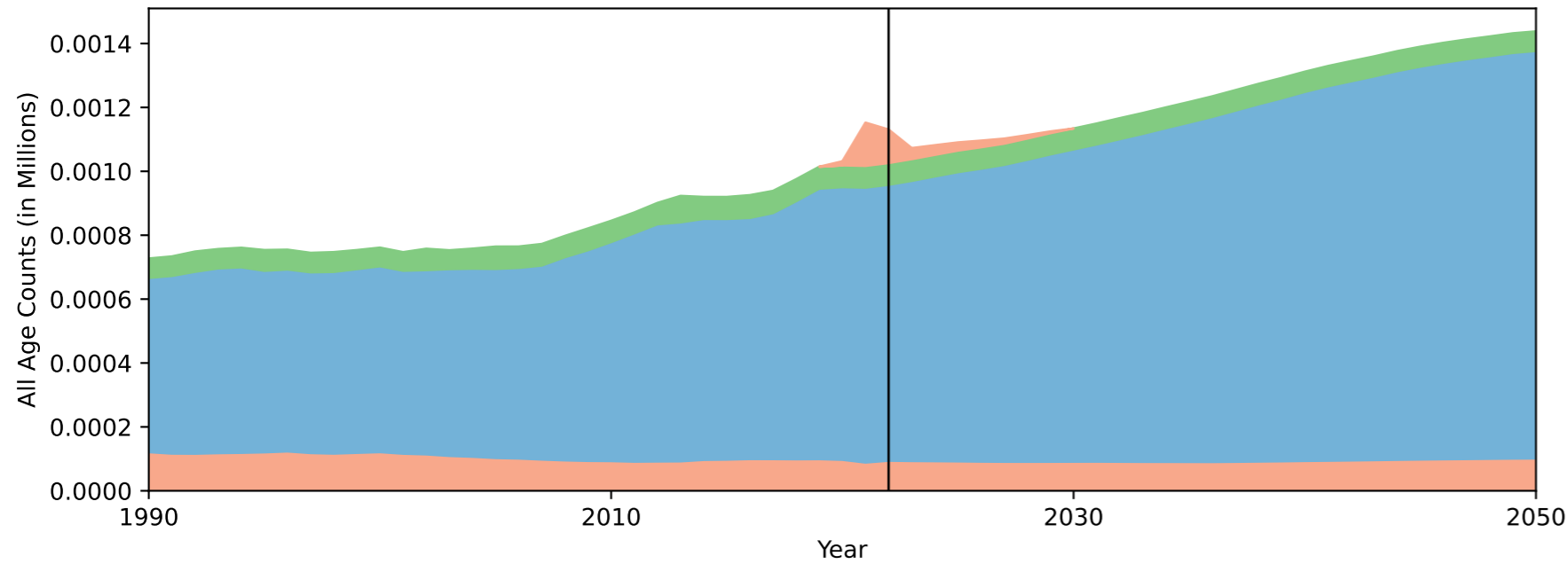
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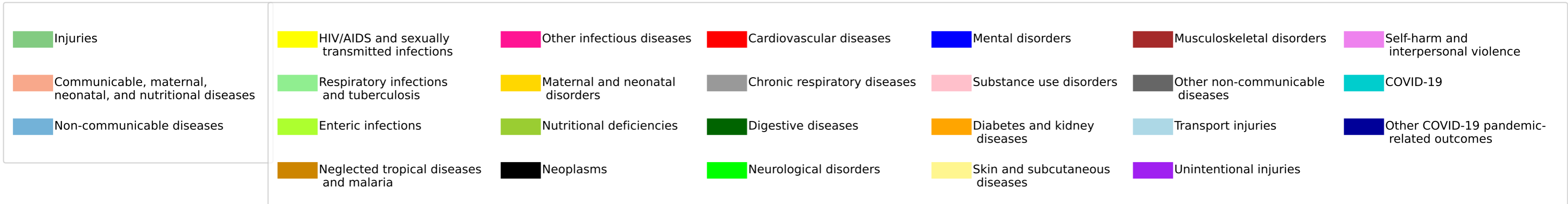
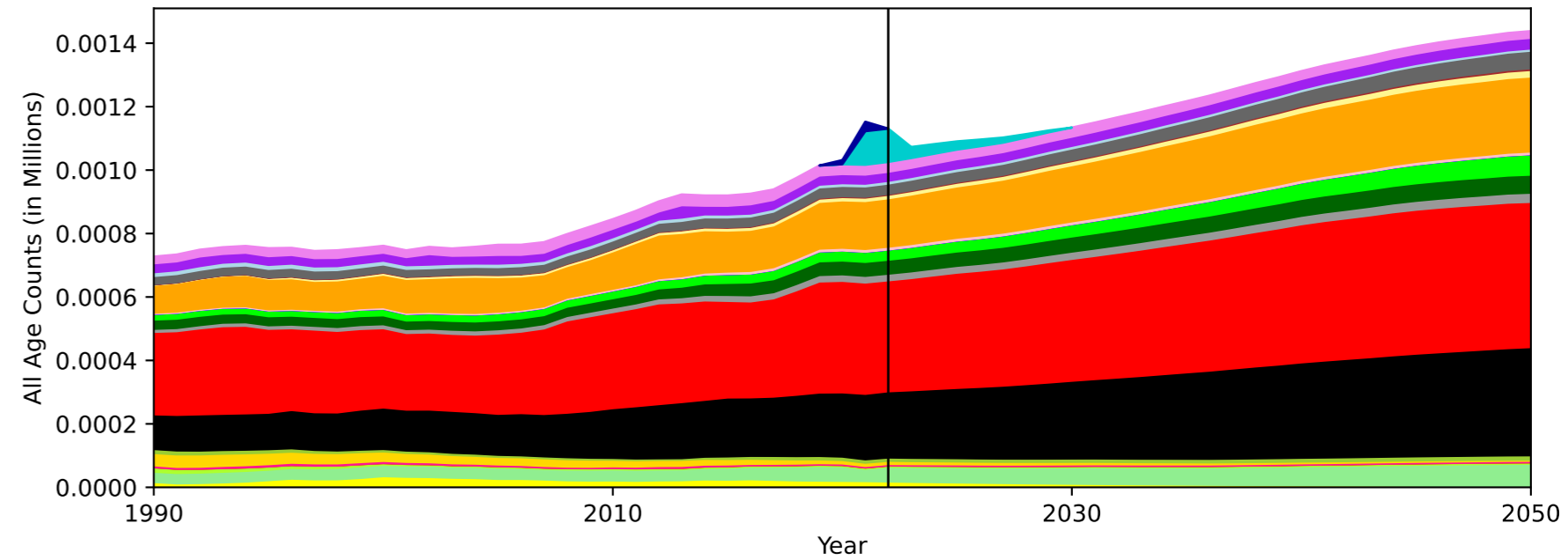
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Level 1

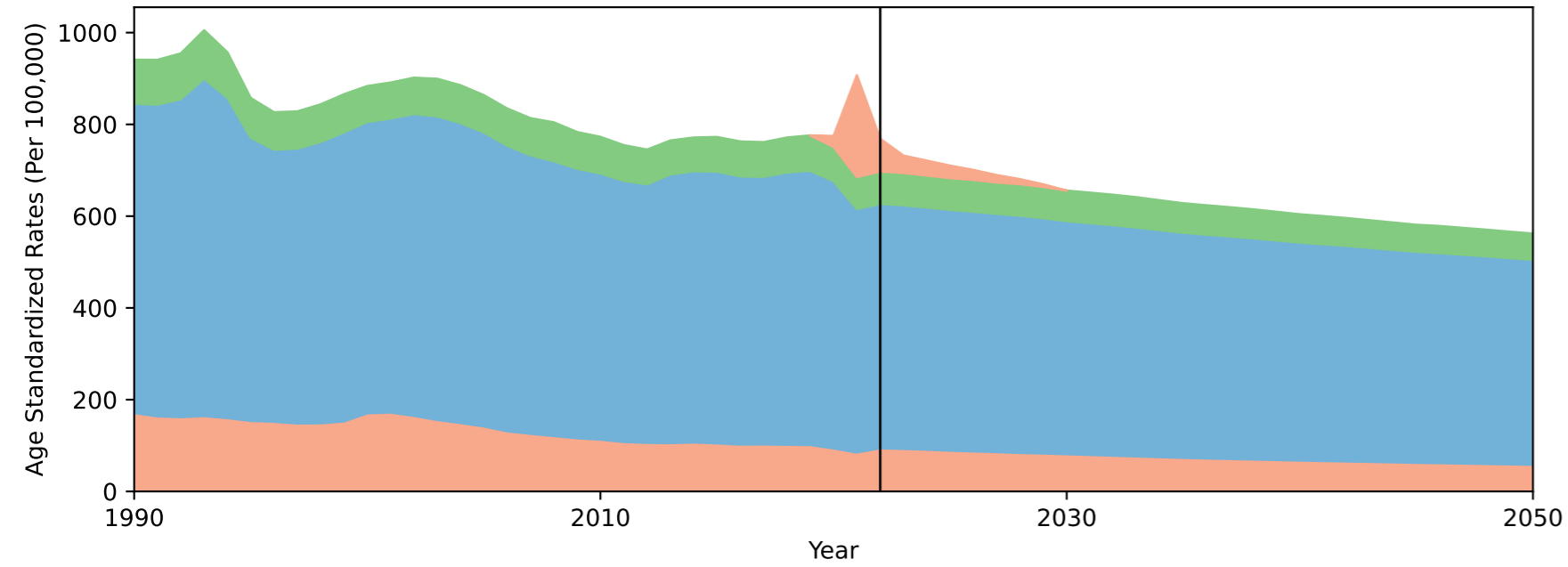


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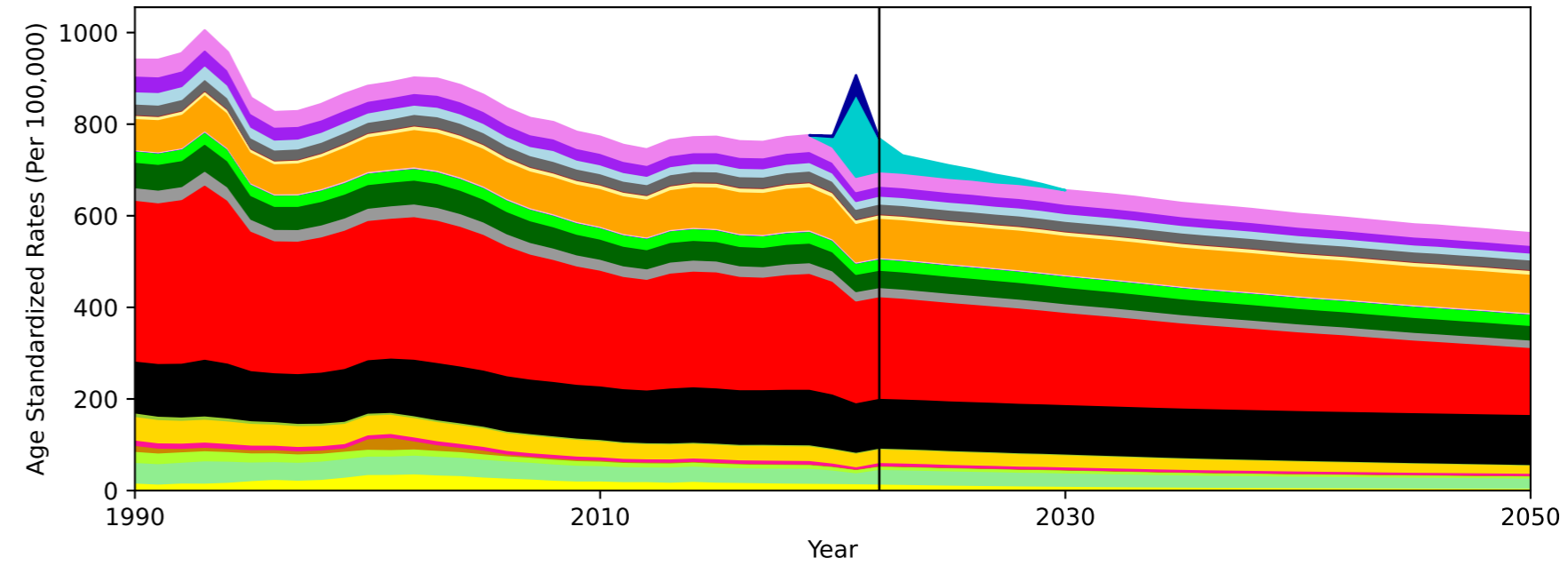


# Suriname

Level 1



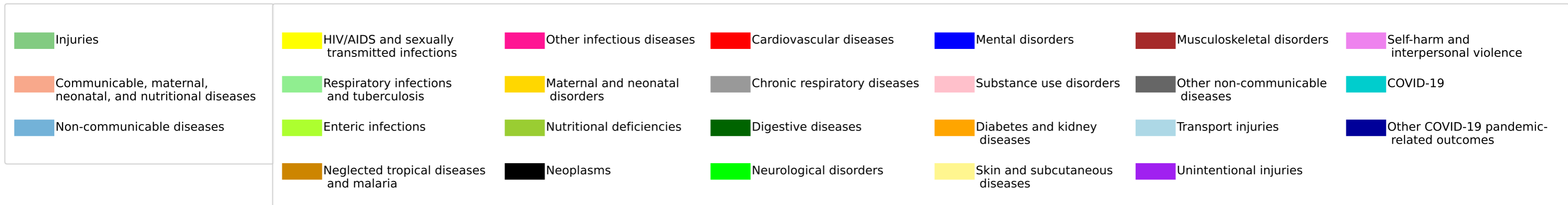
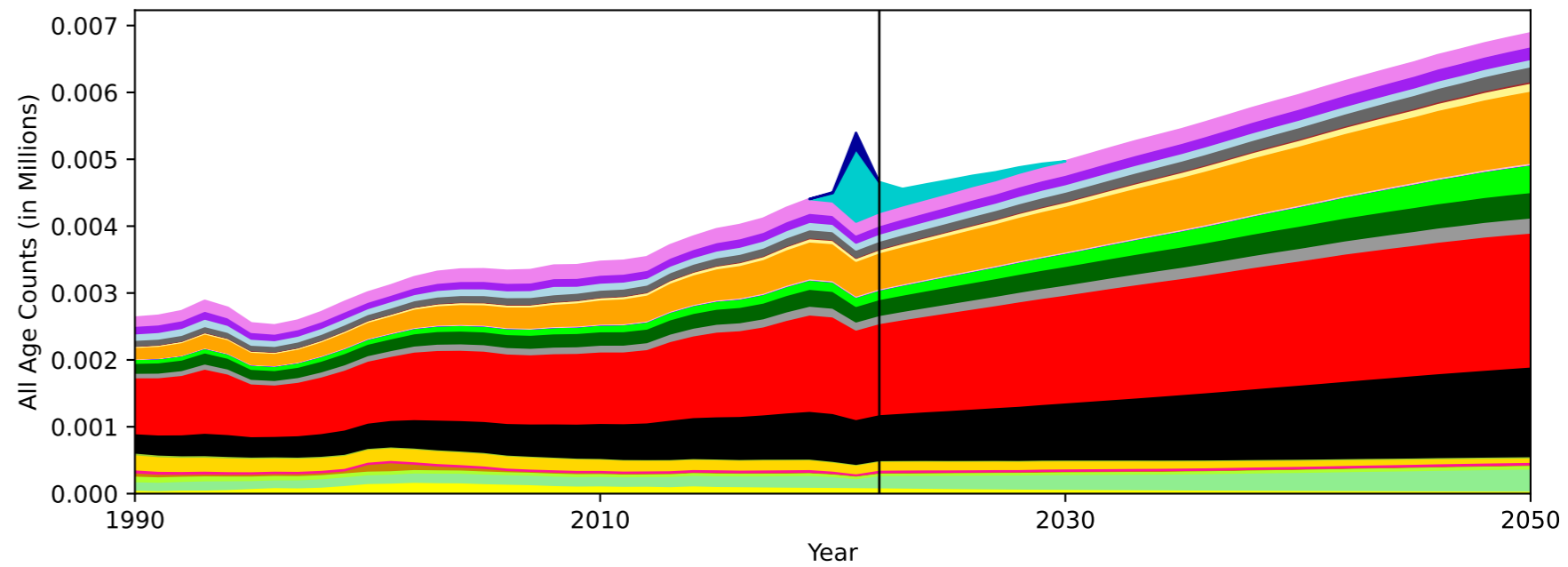
Level 2



Level 1



Level 2

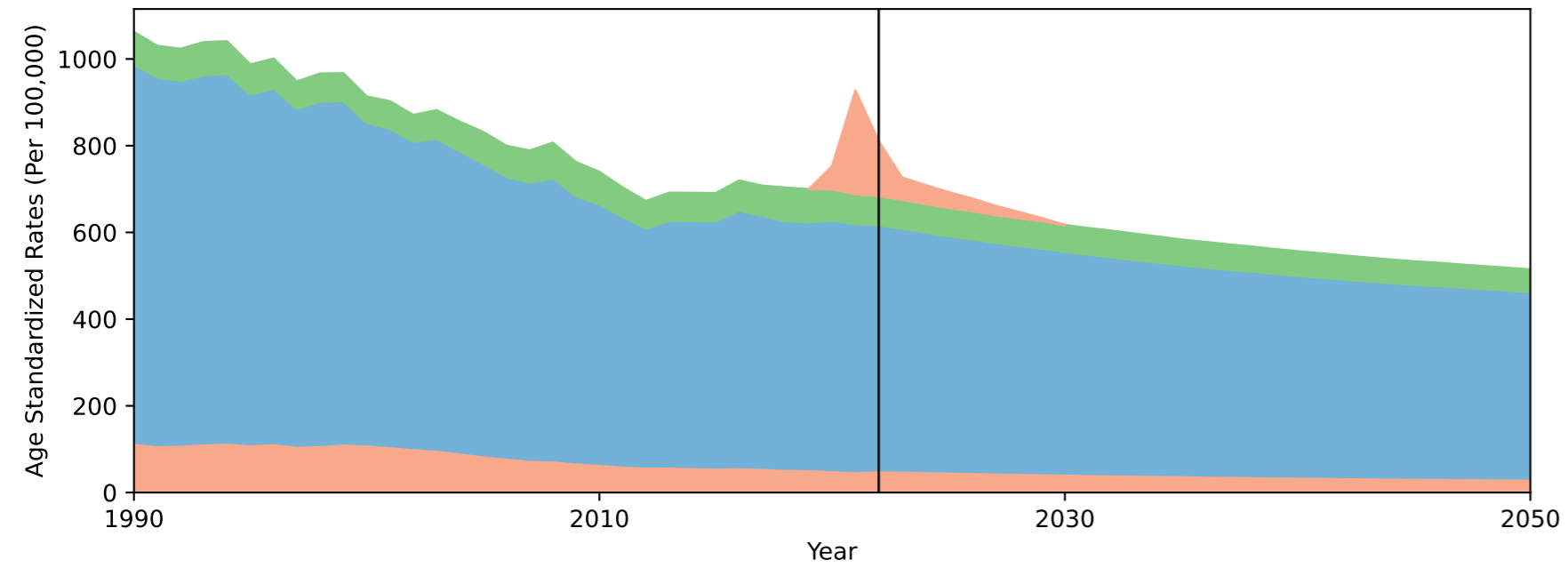


# Trinidad And Tobago

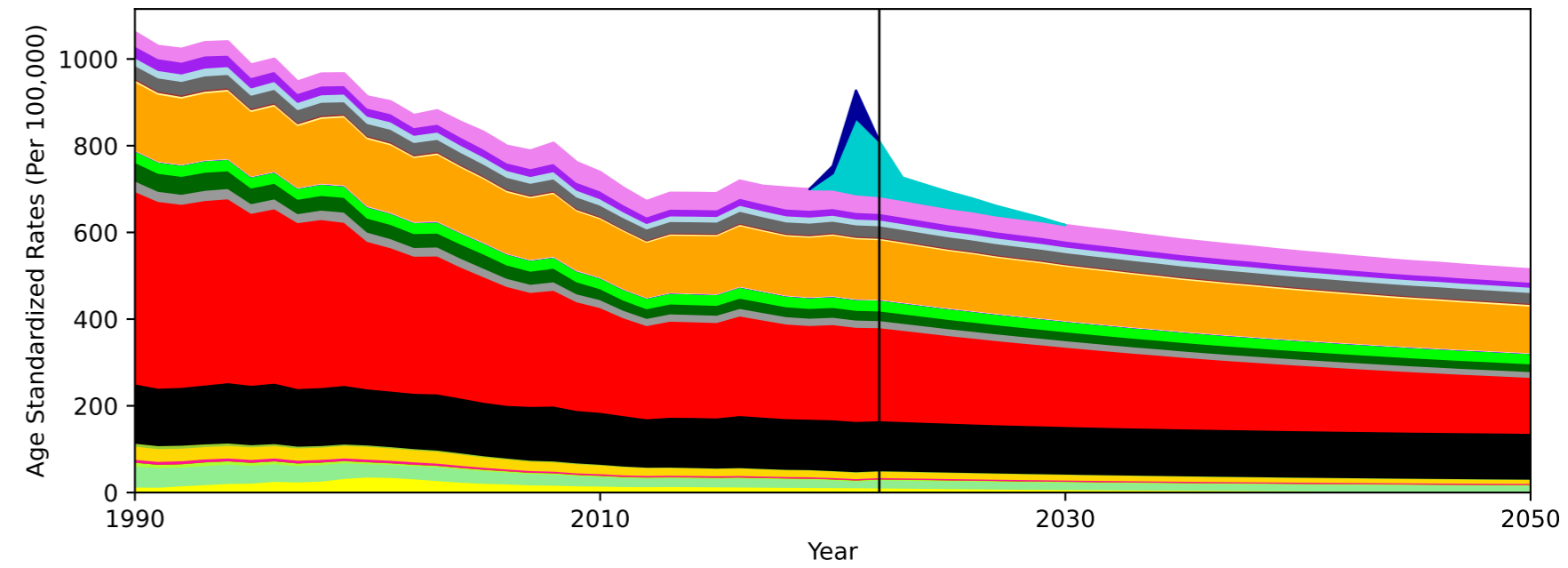
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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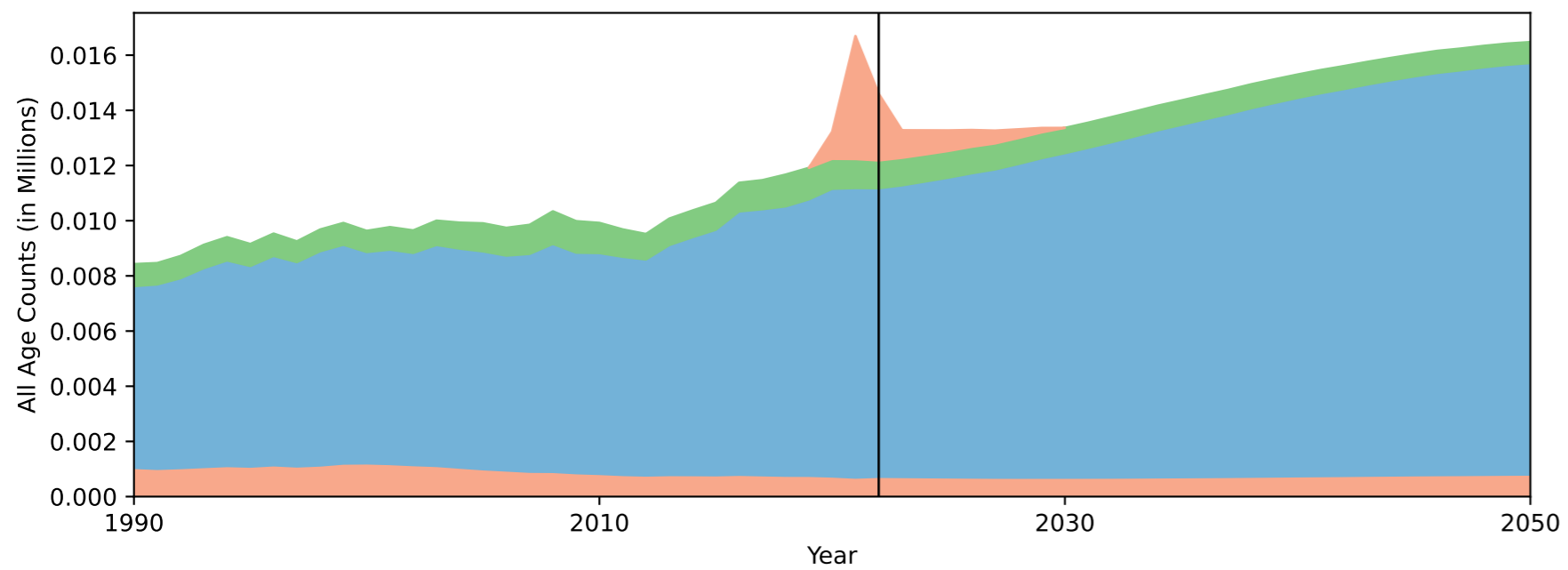
Level 1



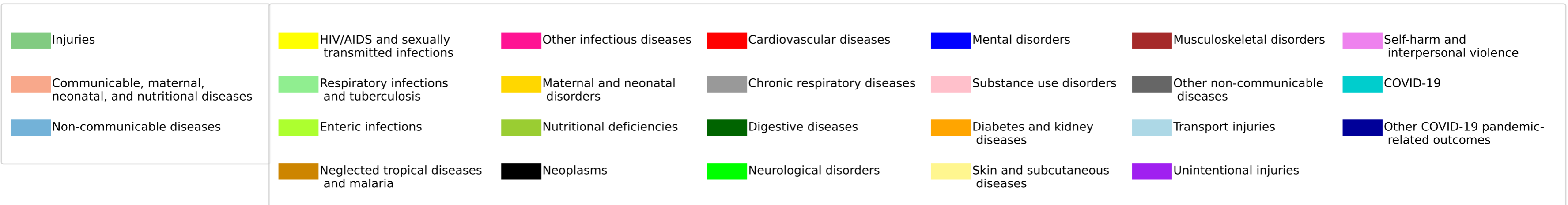
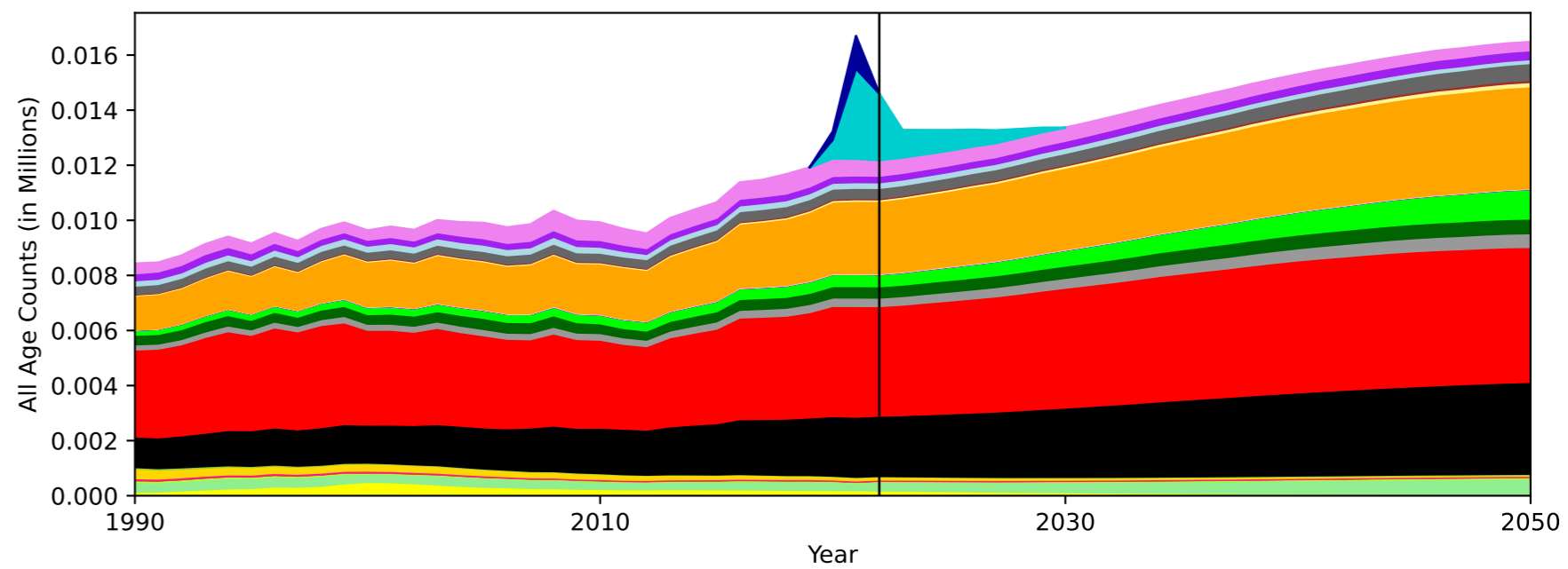
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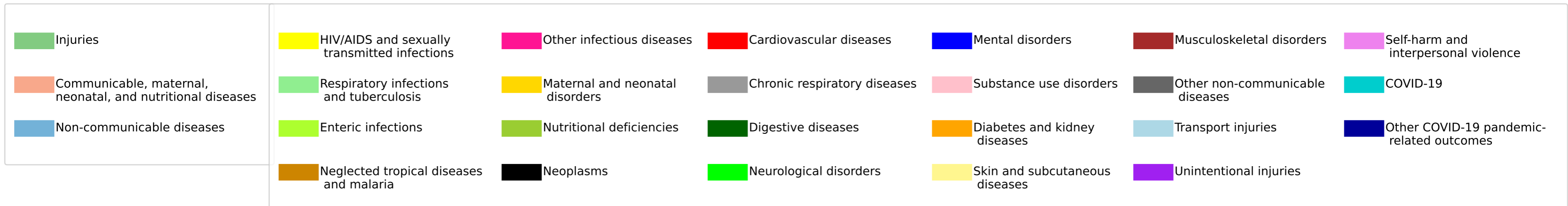
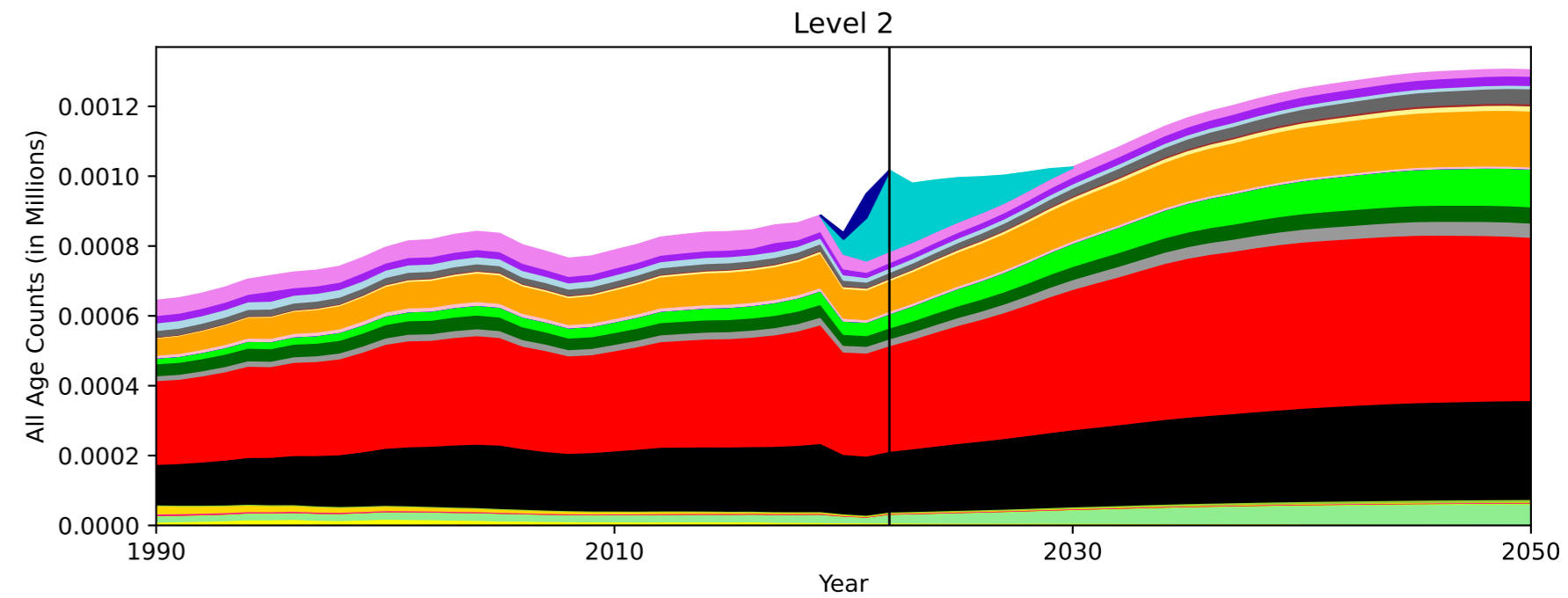
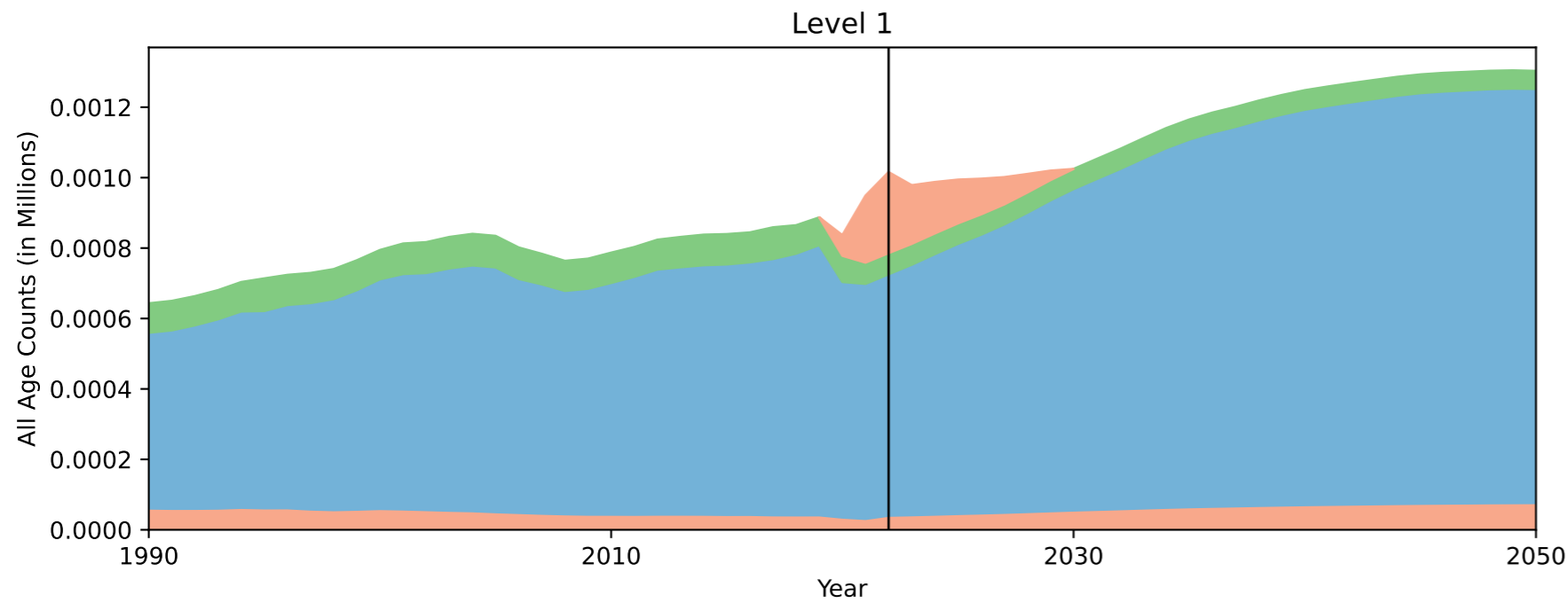
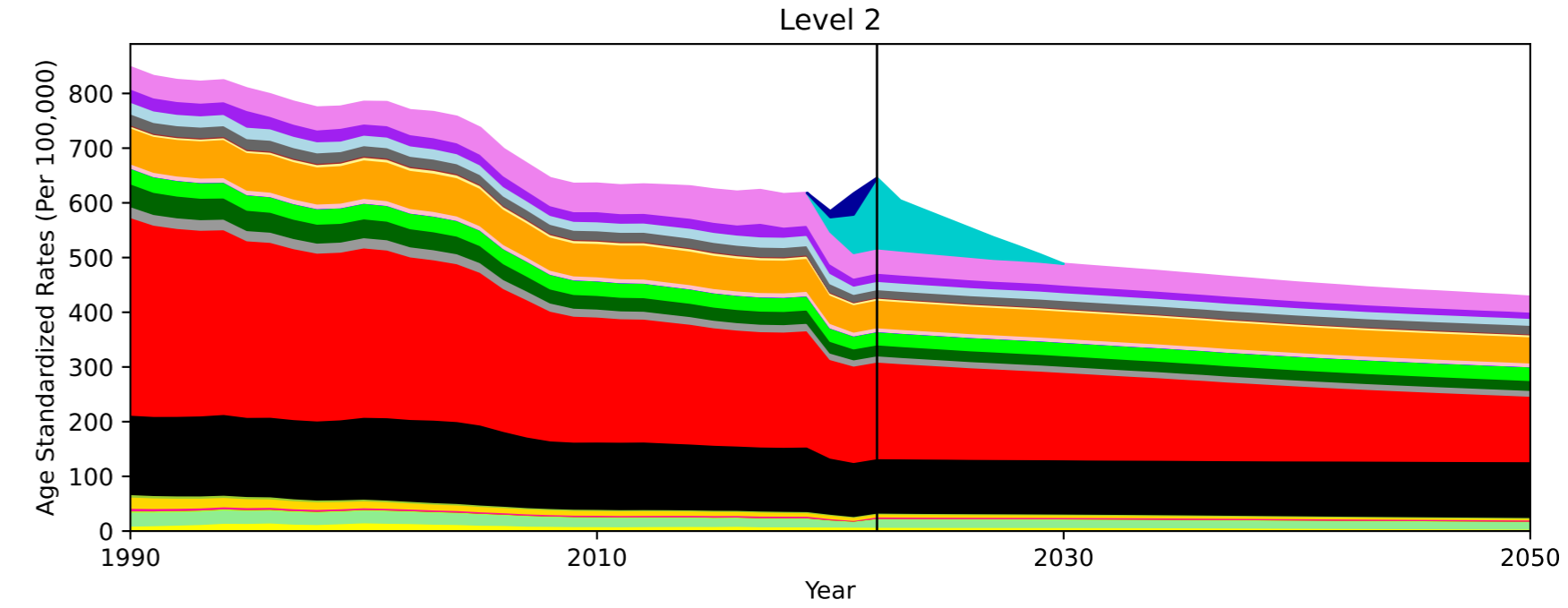
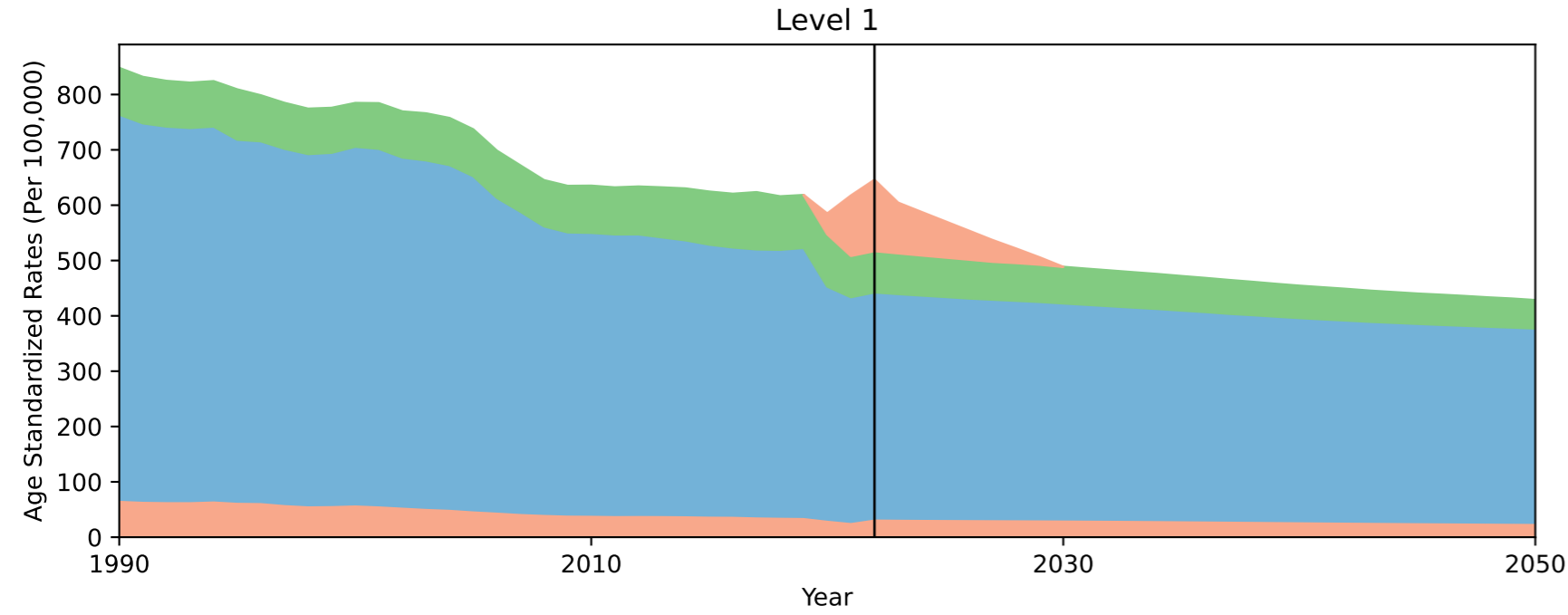
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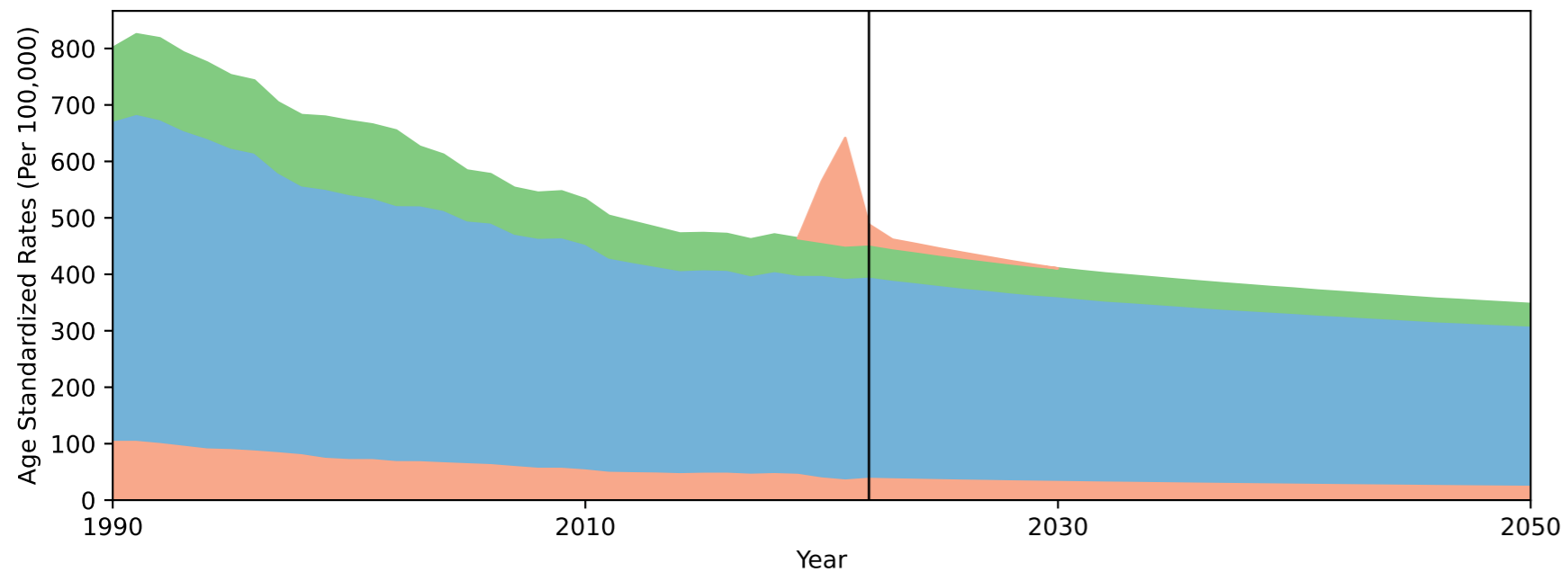
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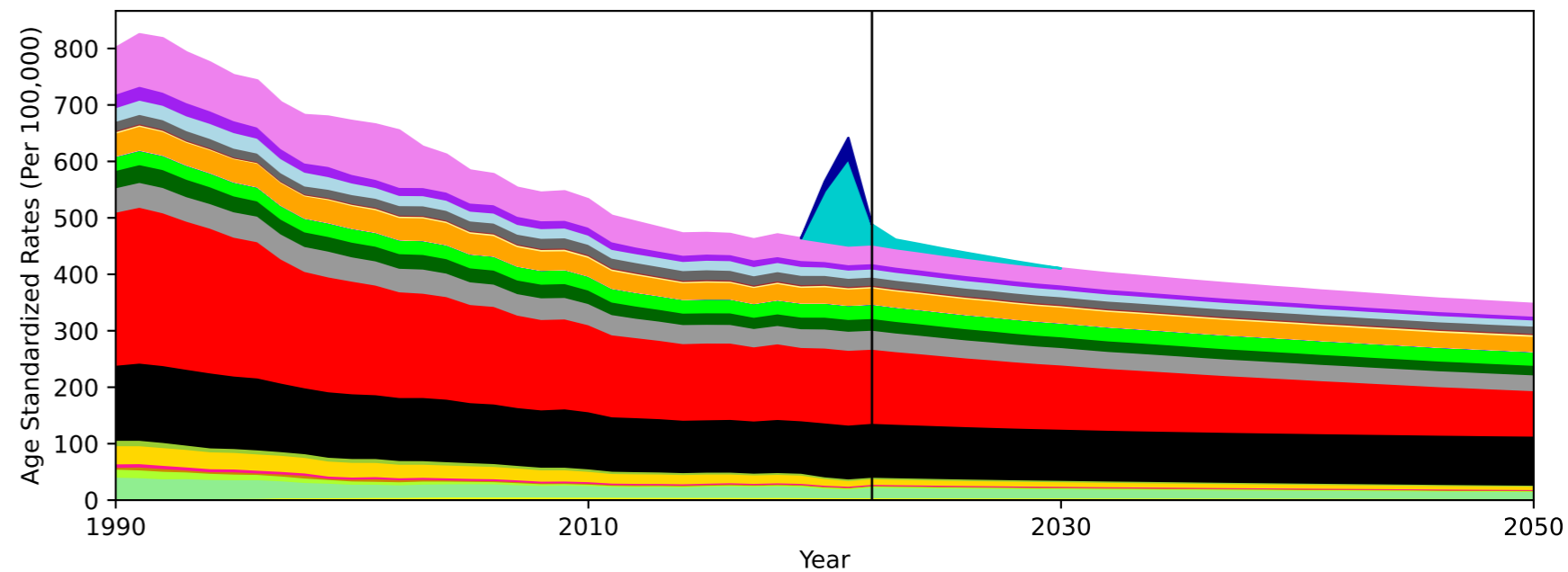
# Virgin Islands



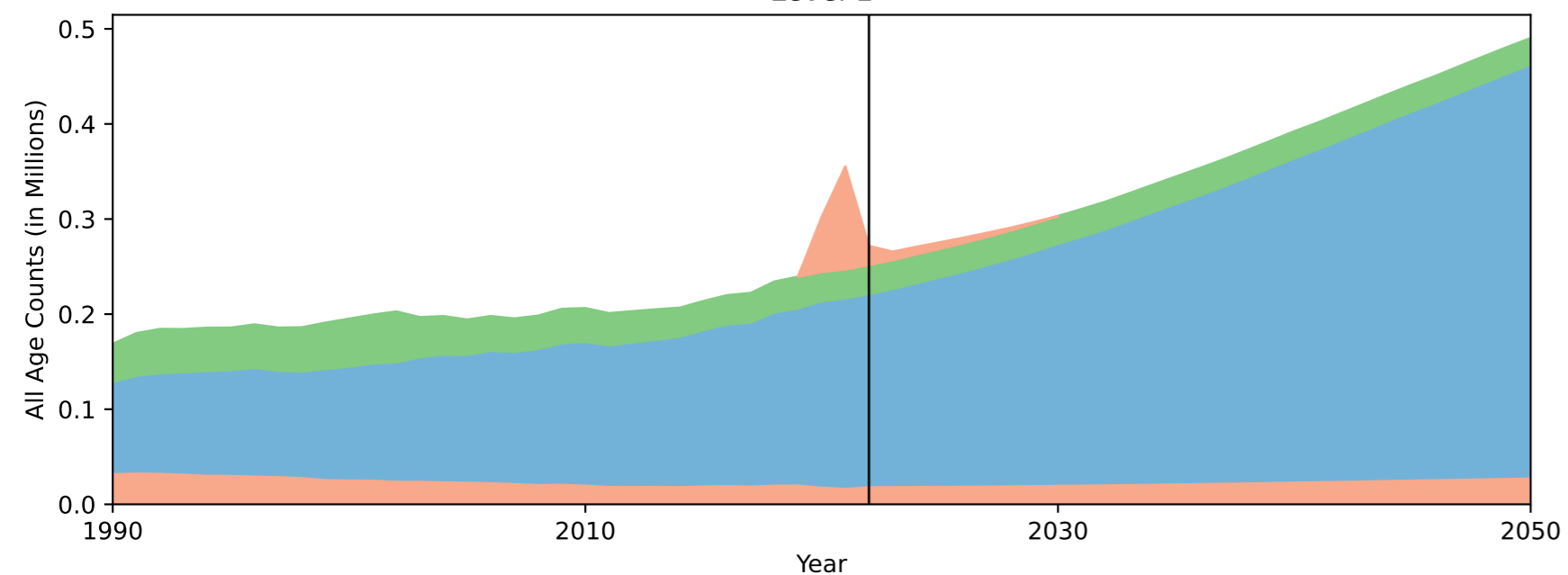
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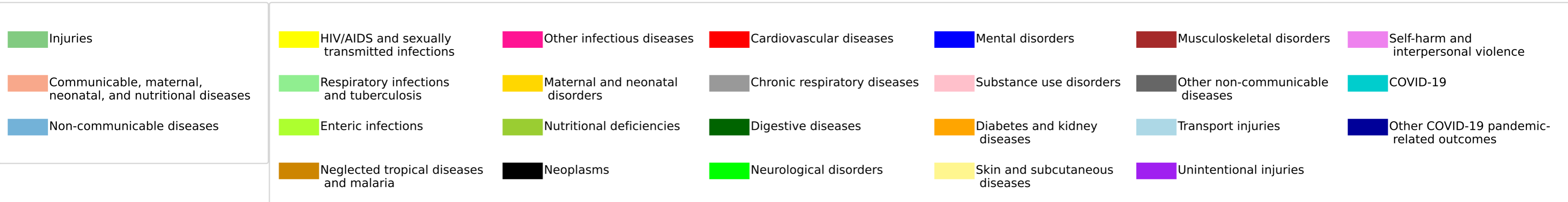
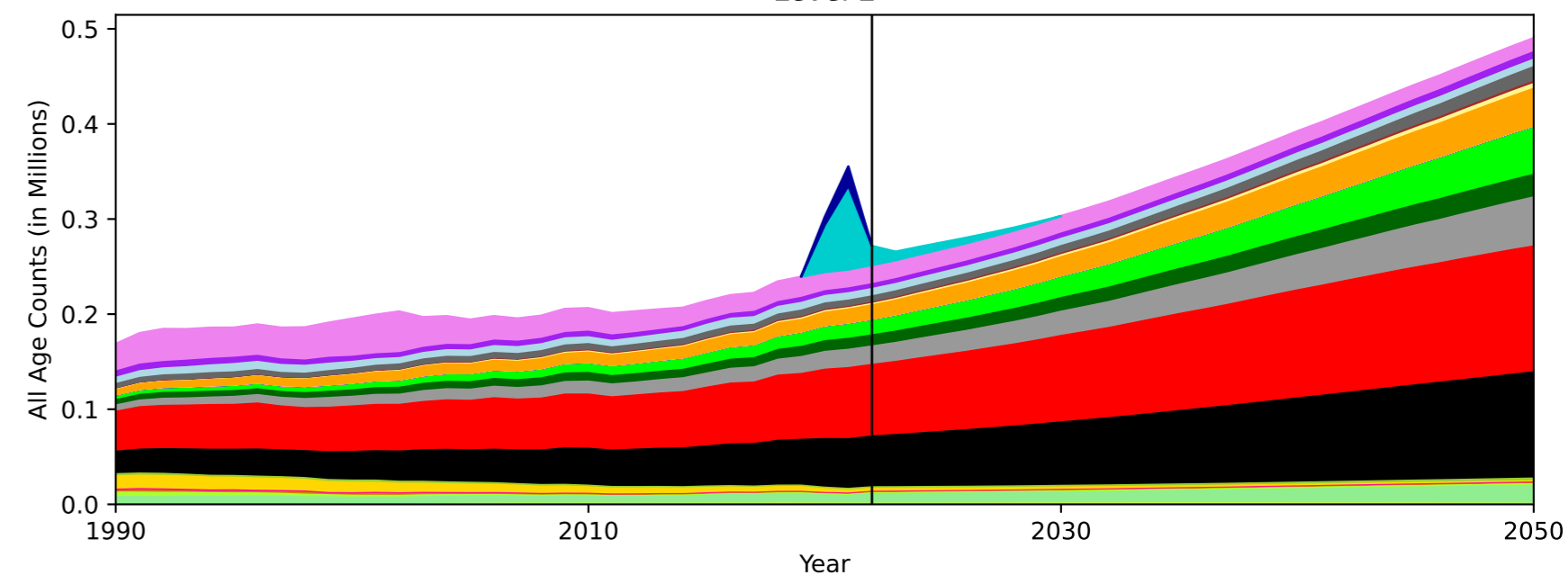
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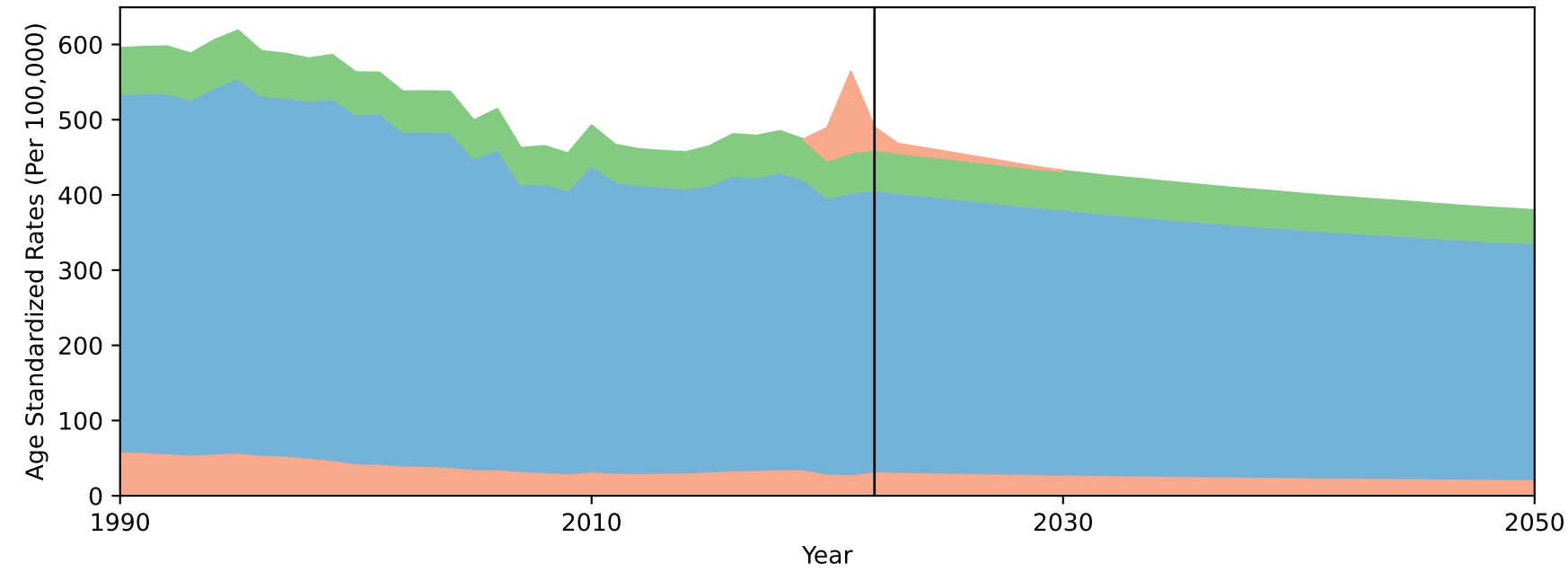
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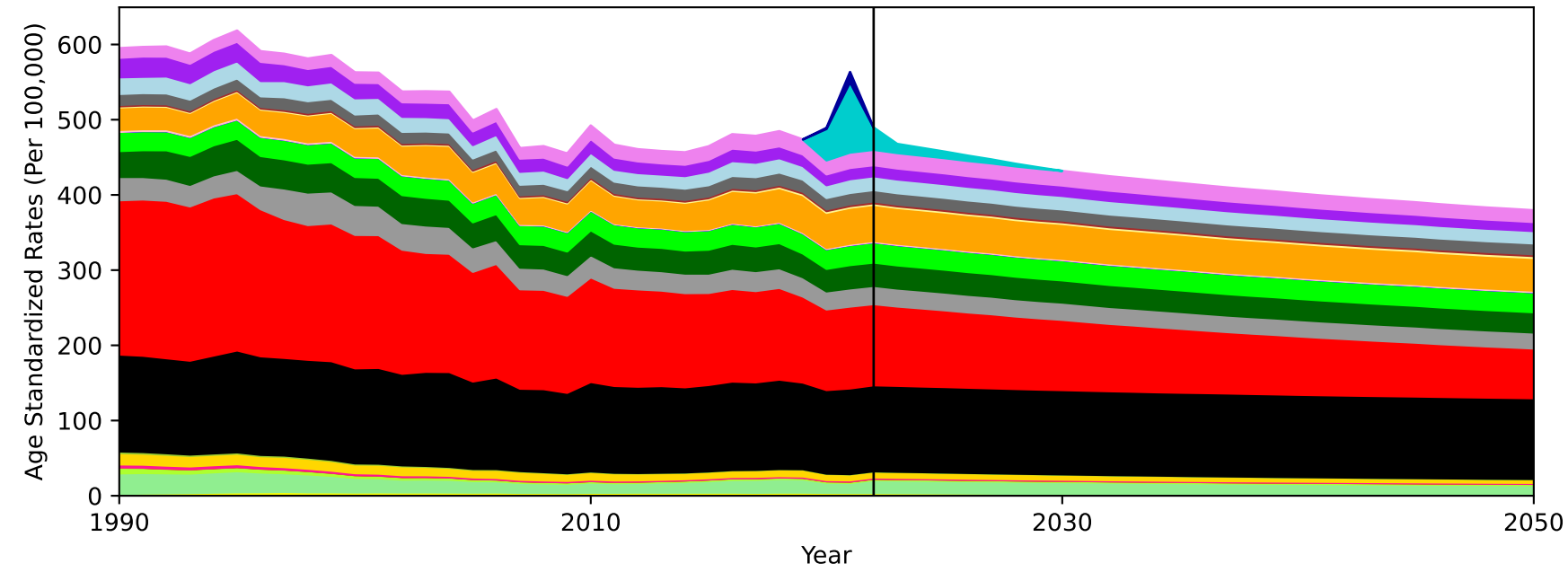
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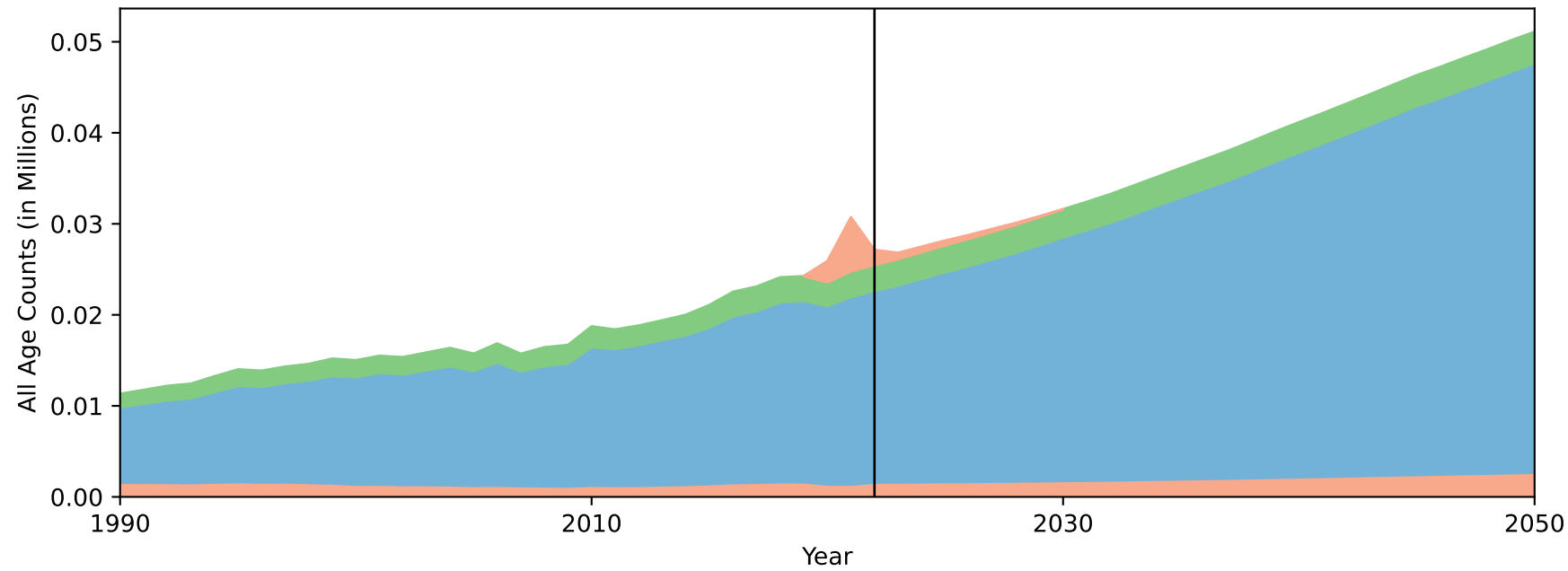
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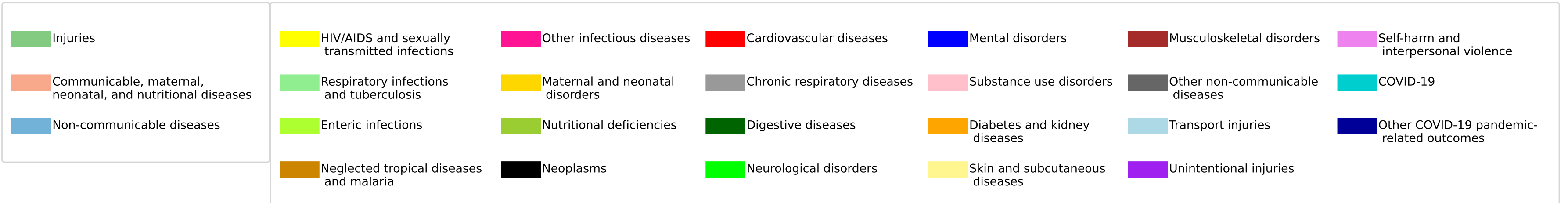
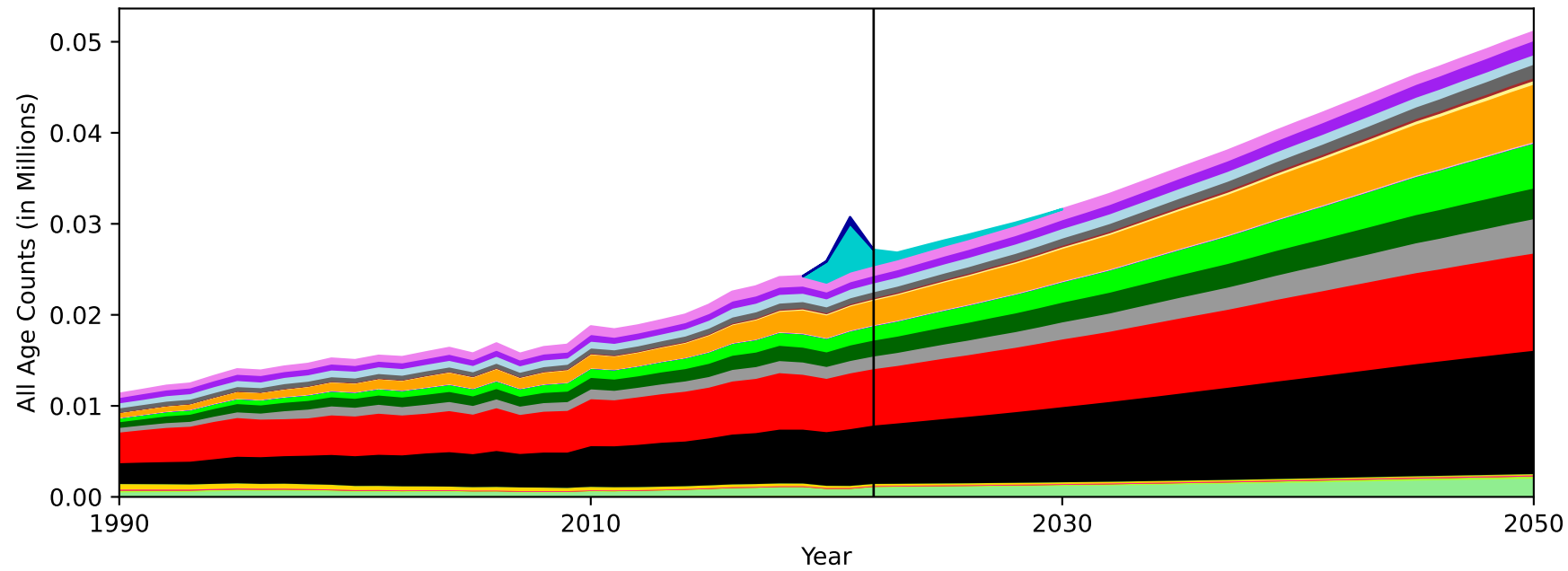
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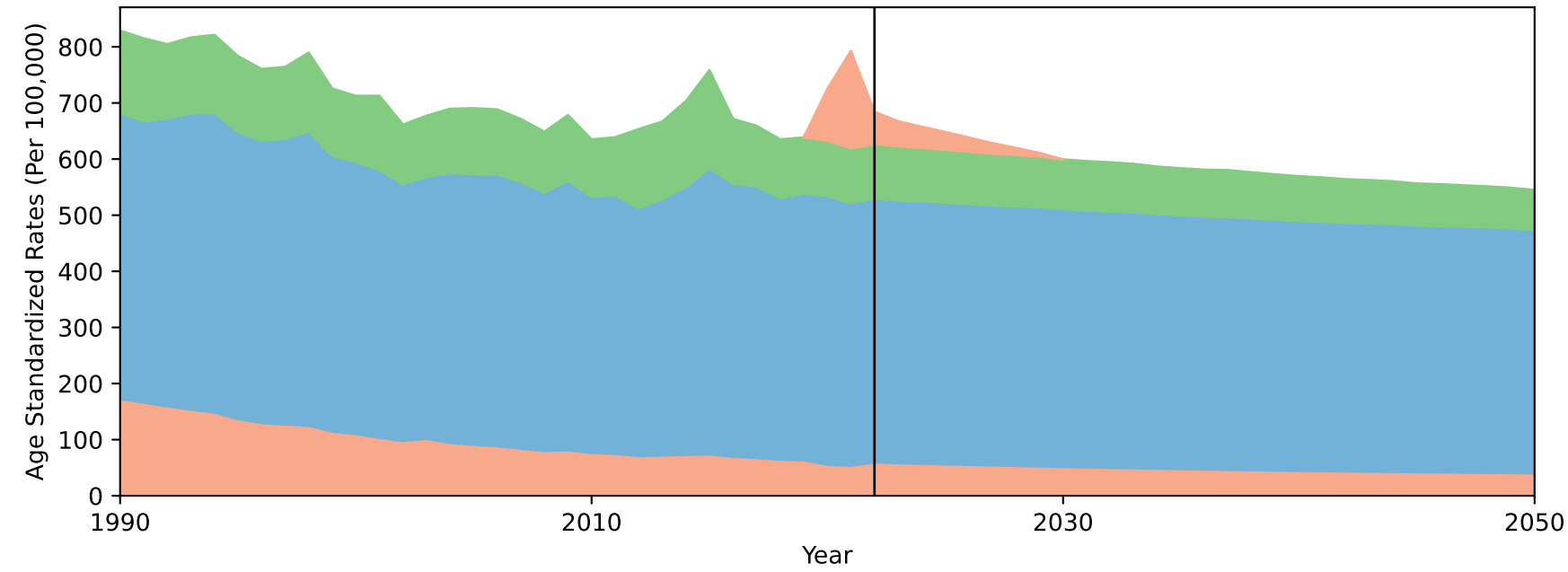
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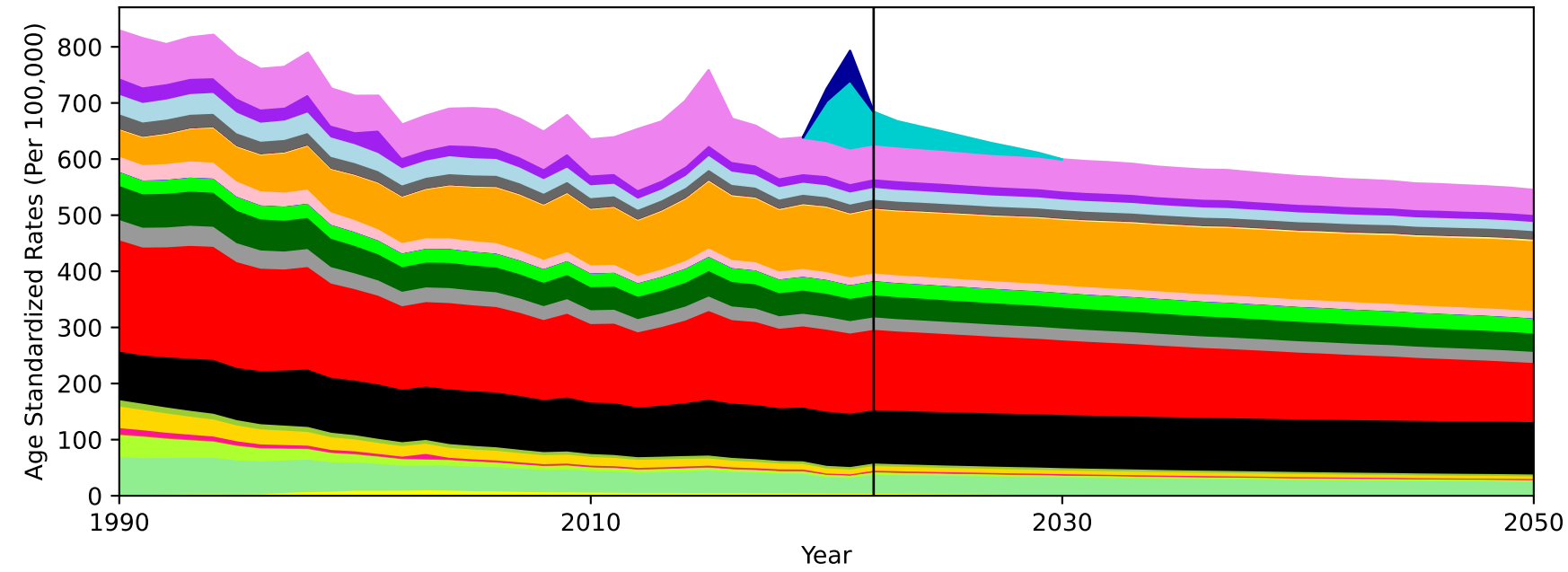
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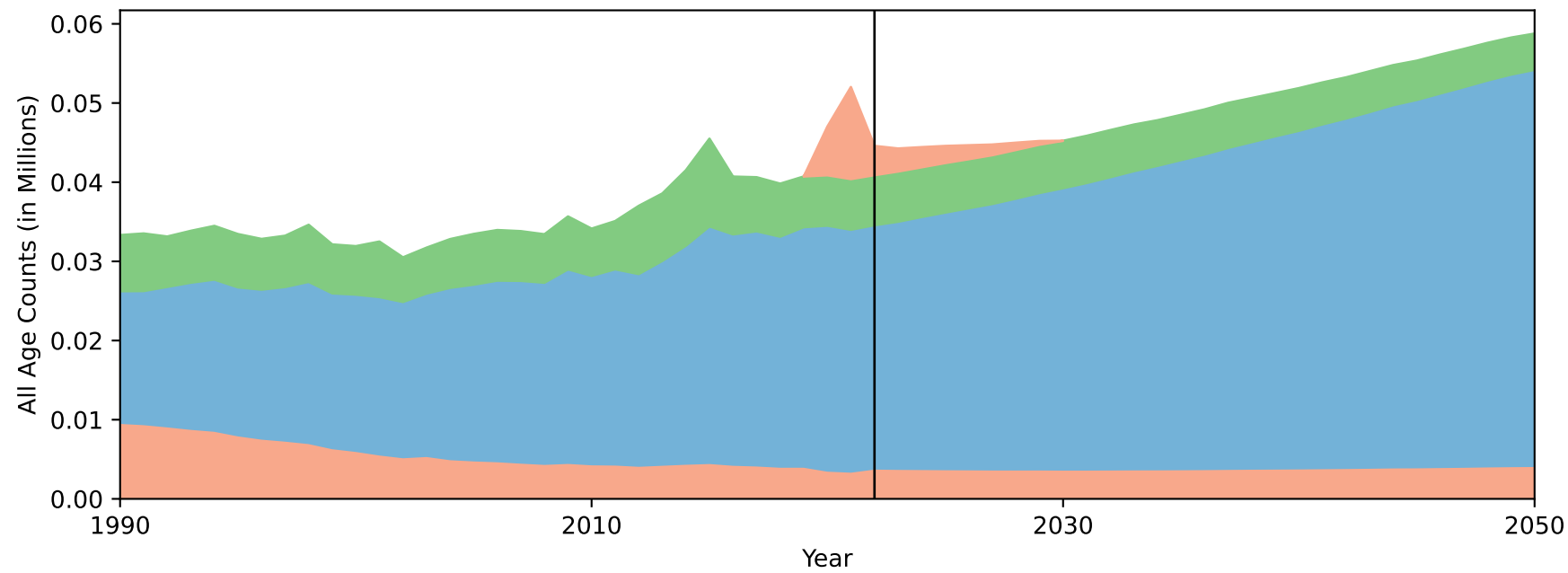
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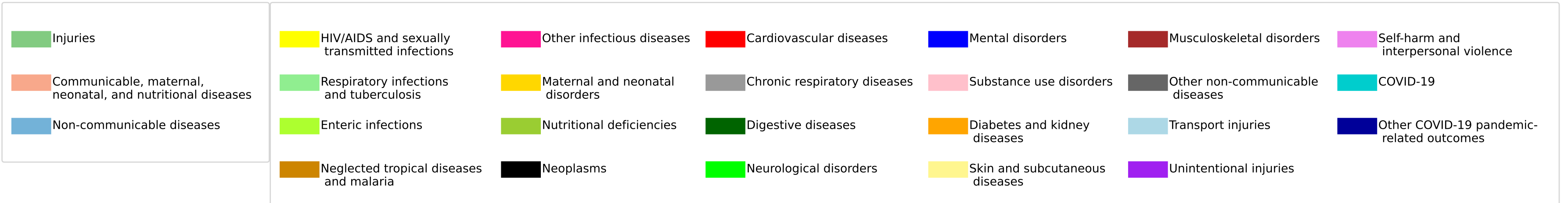
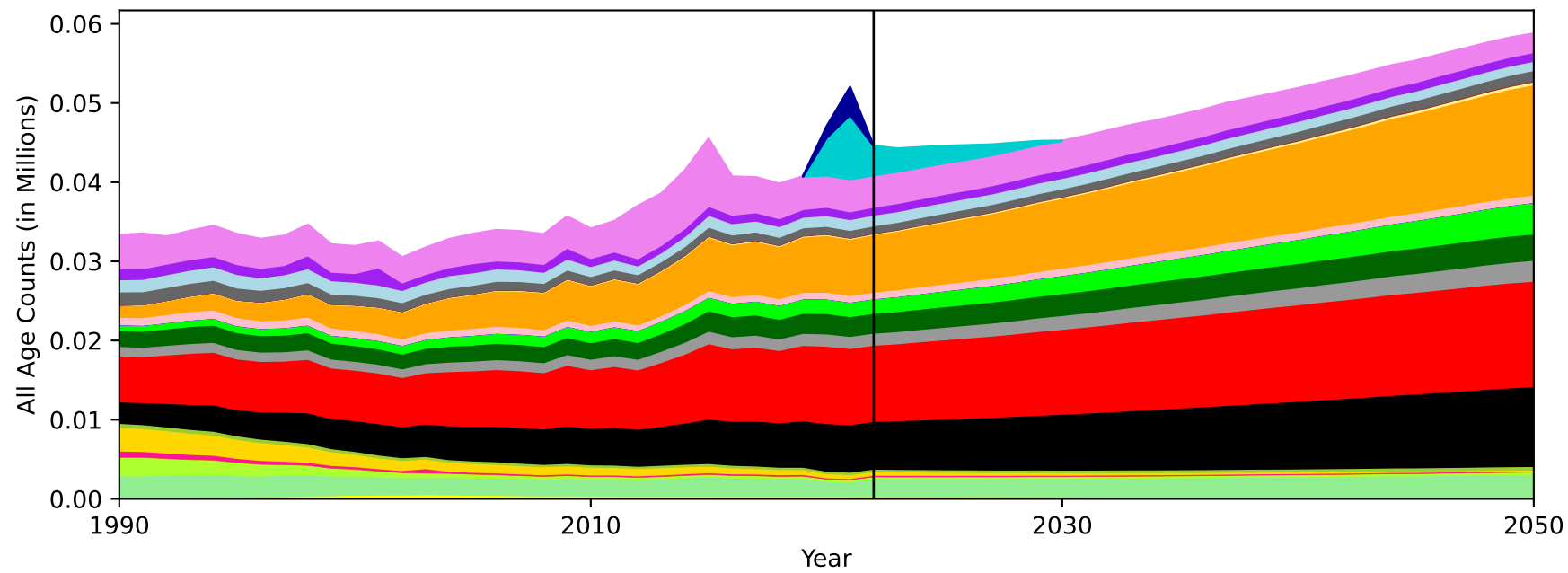
Level 2



Level 1



Level 2



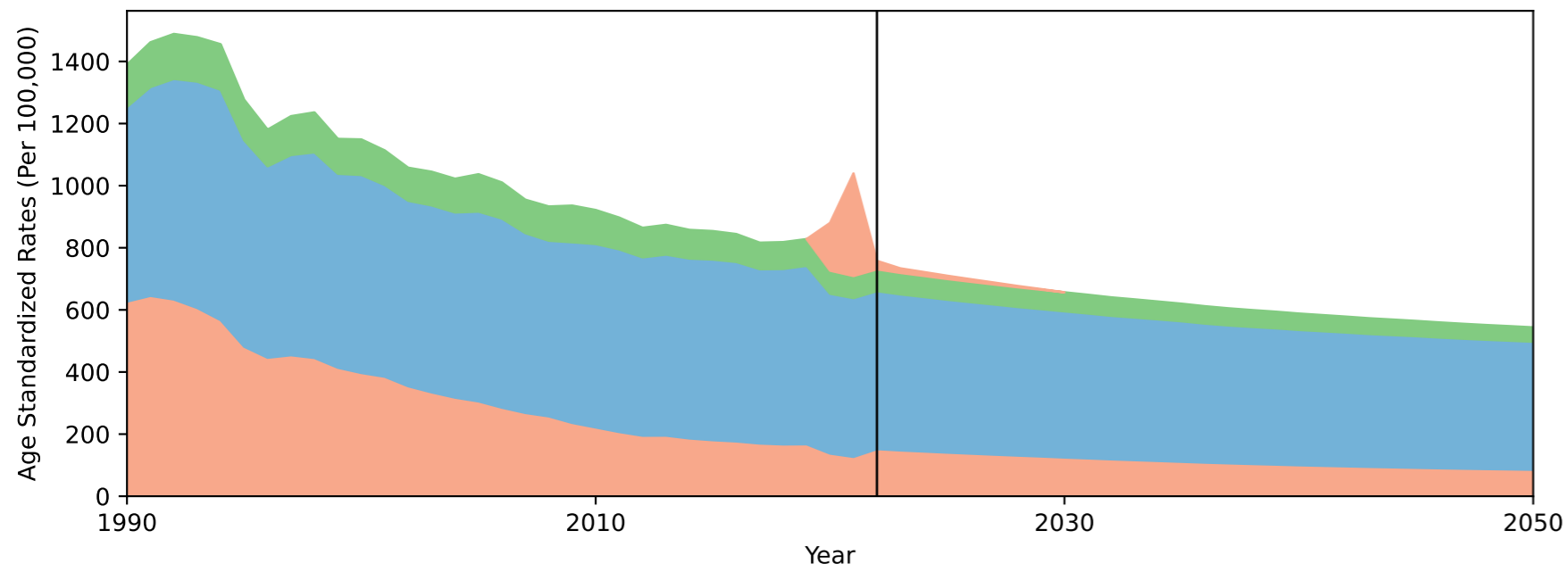


# Guatemala

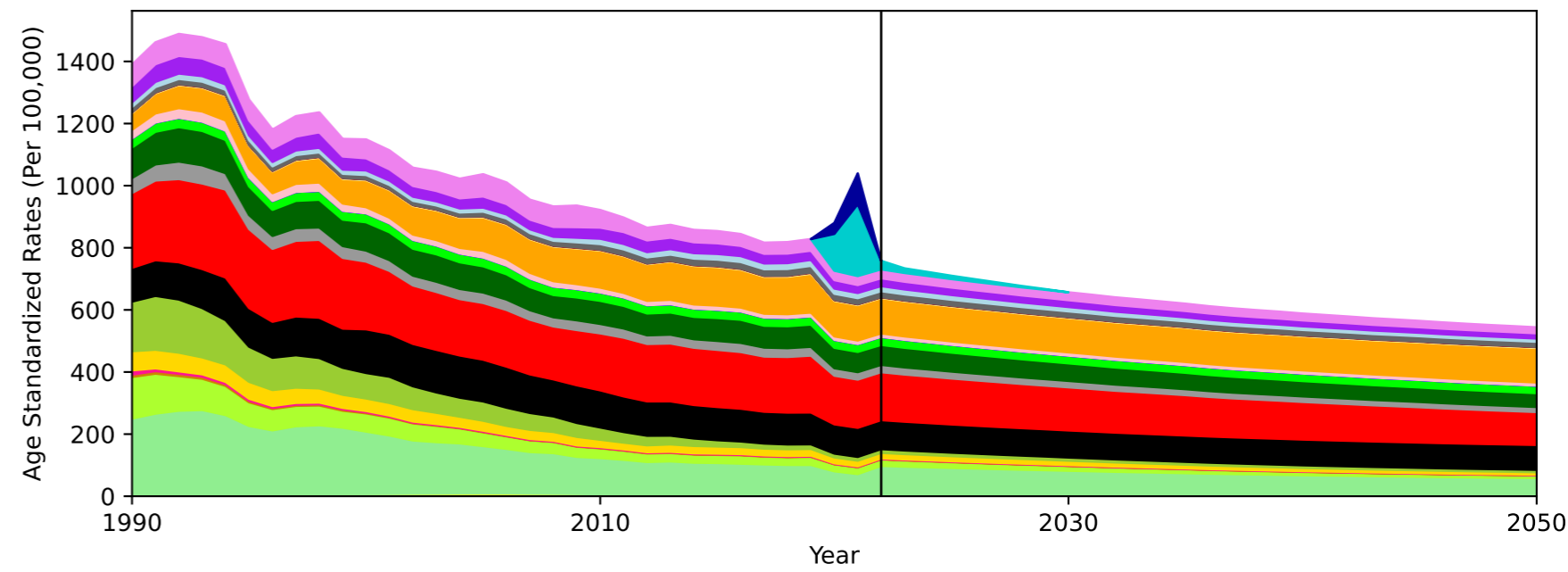
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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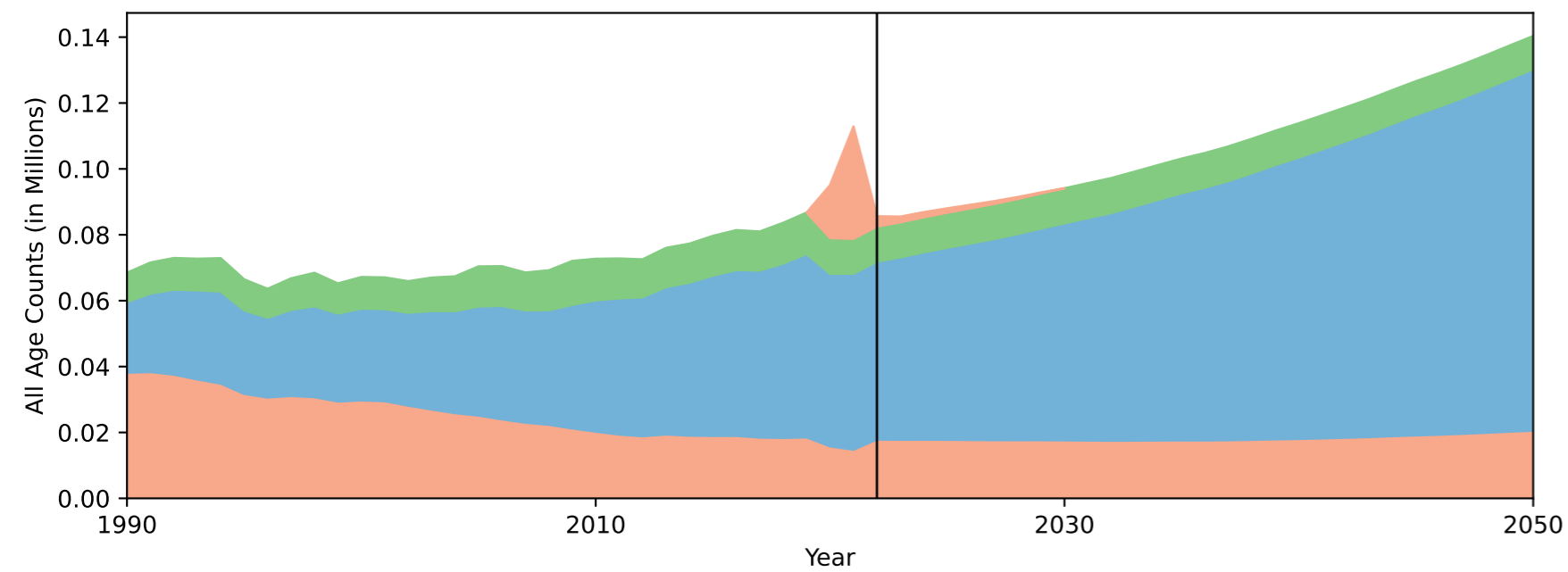
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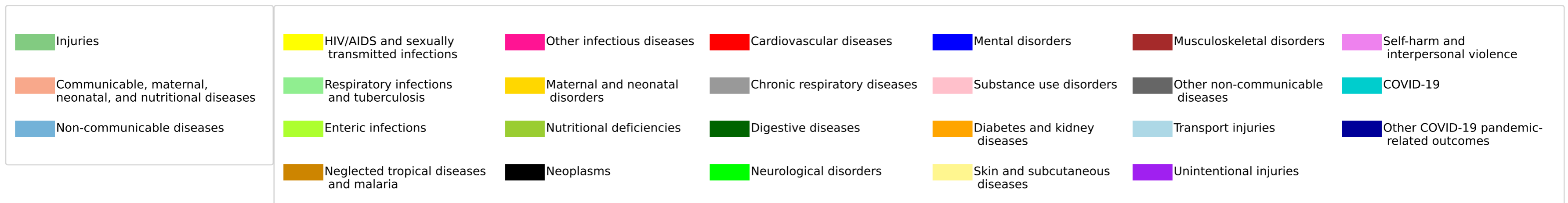
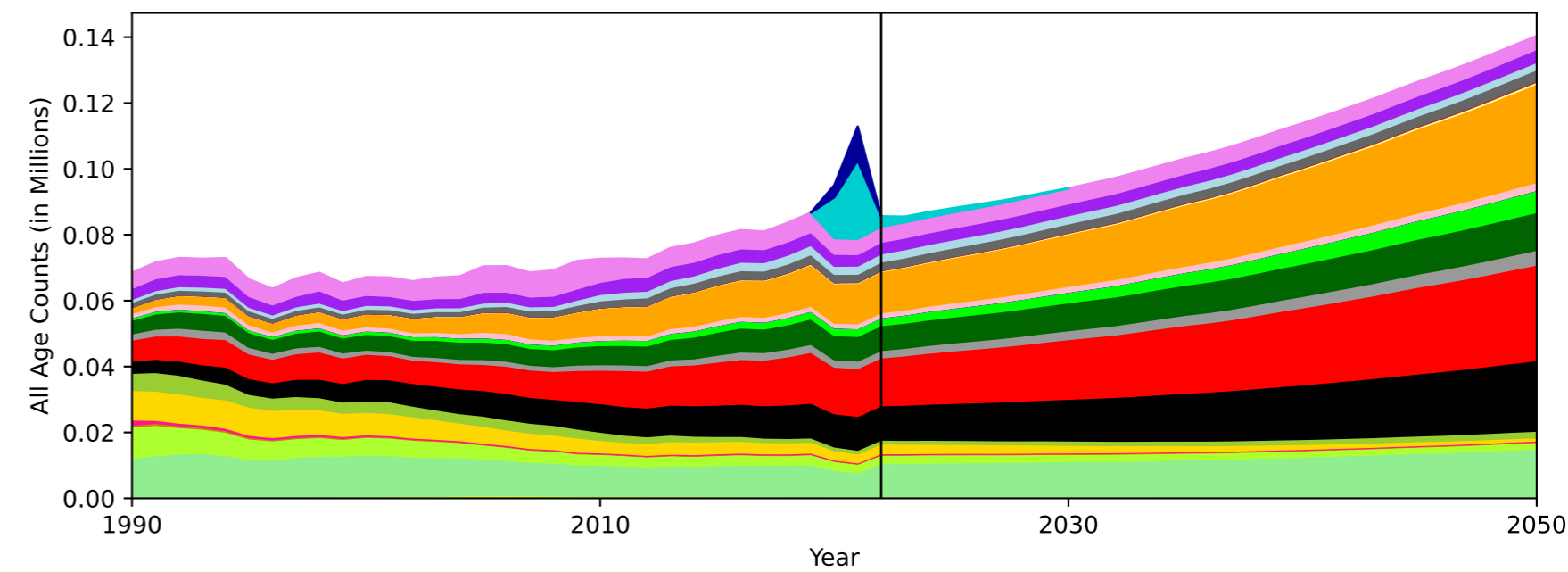
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Level 1

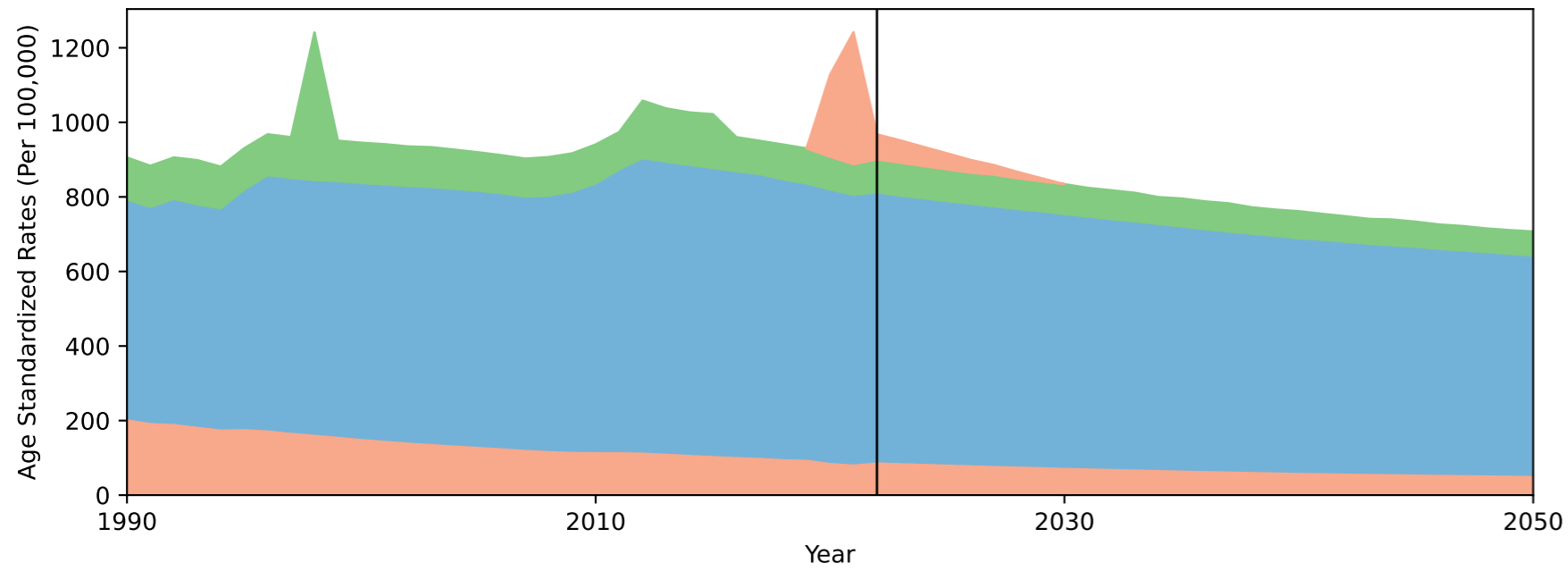


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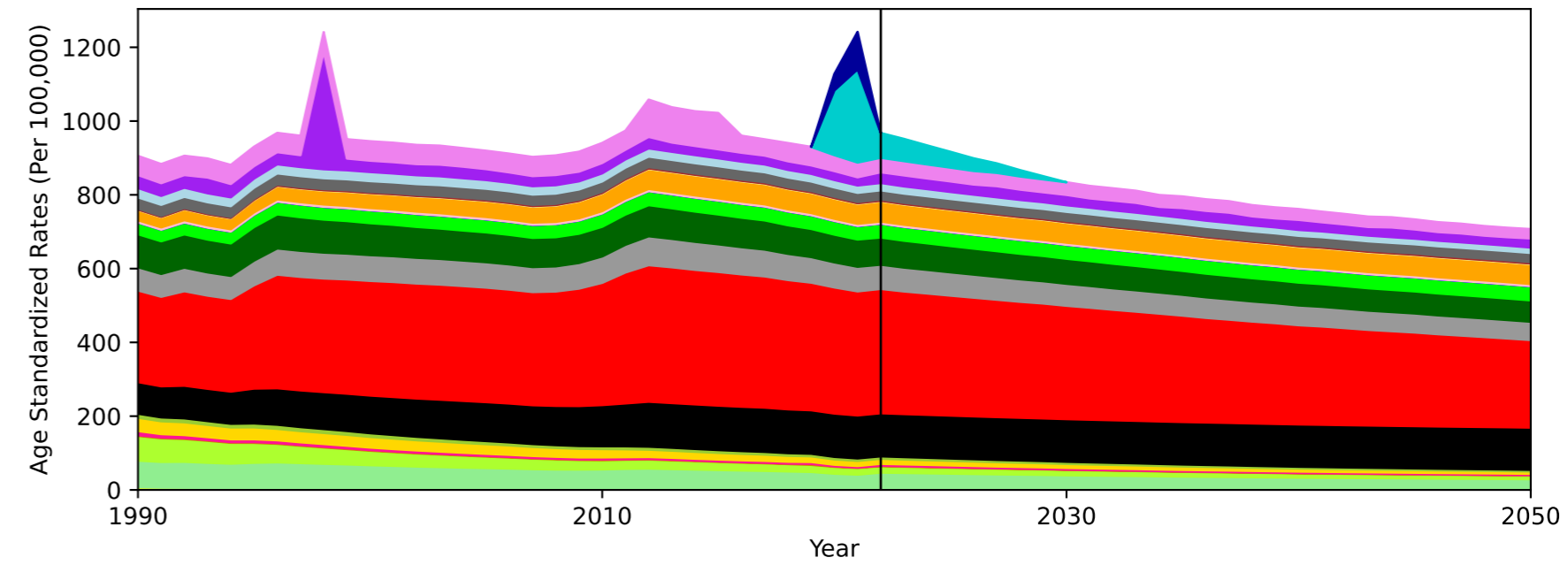


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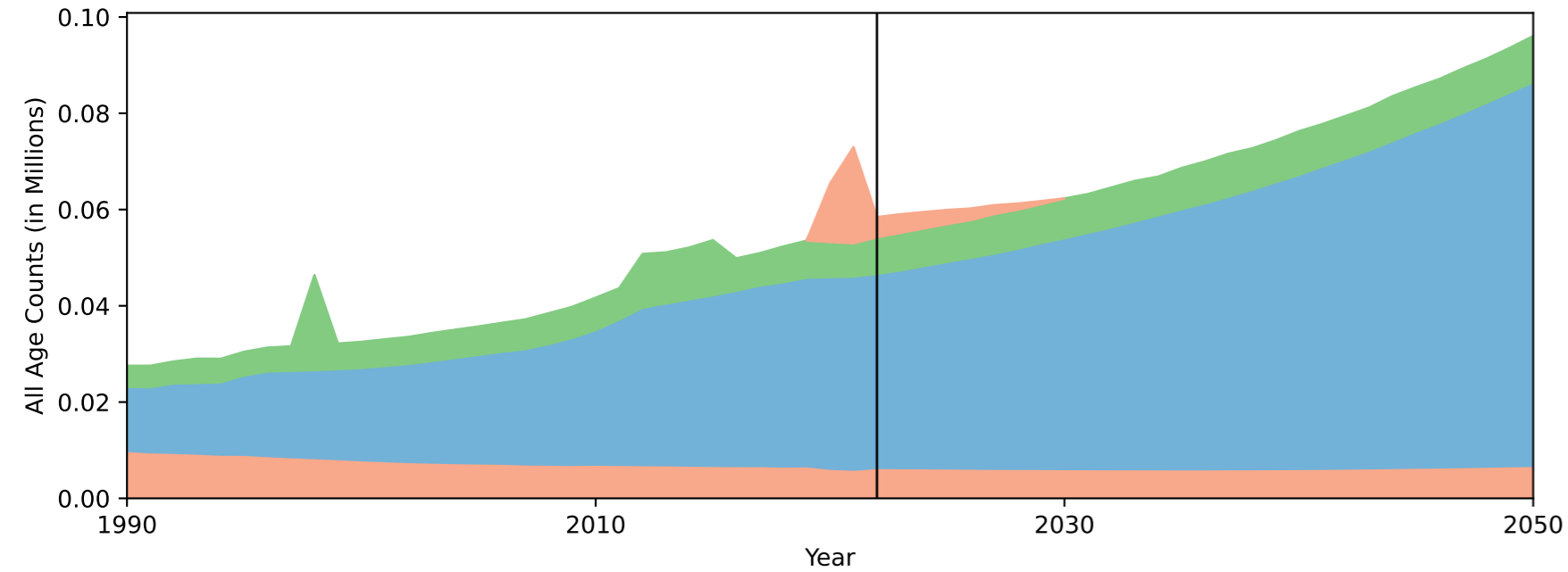
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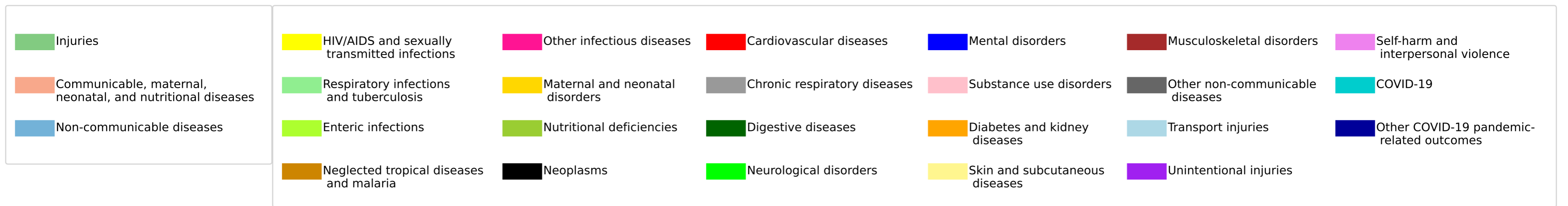
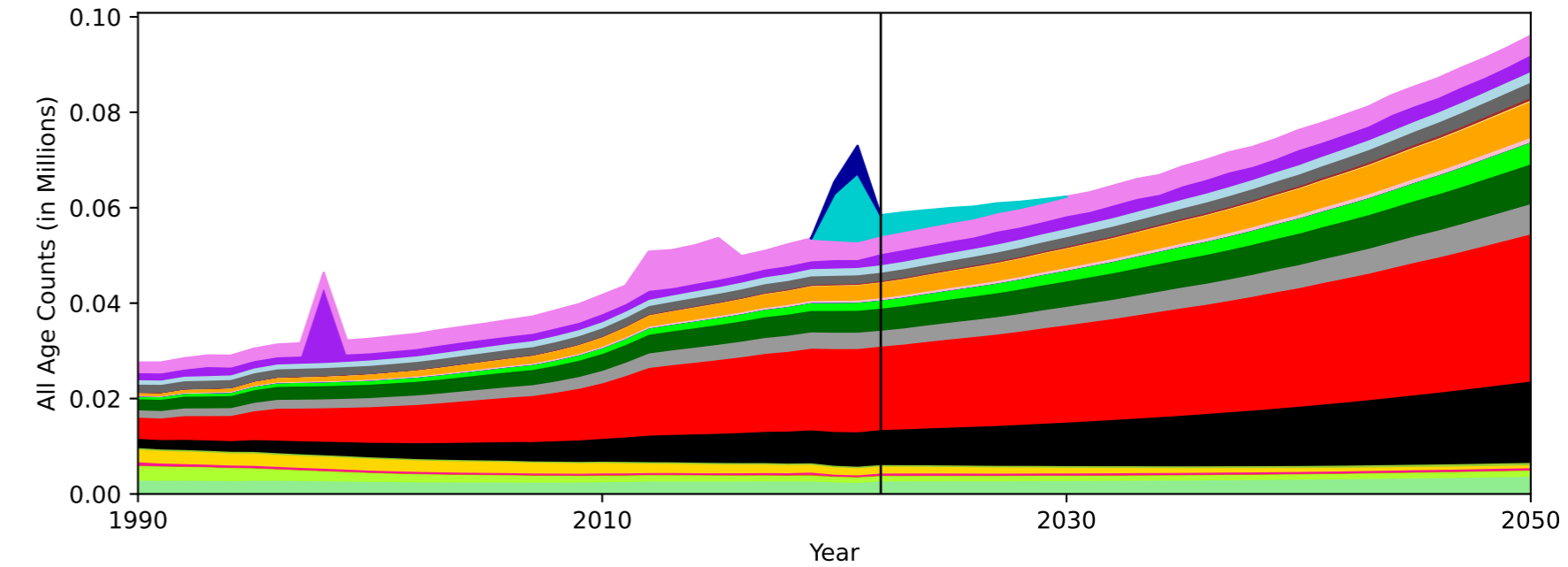
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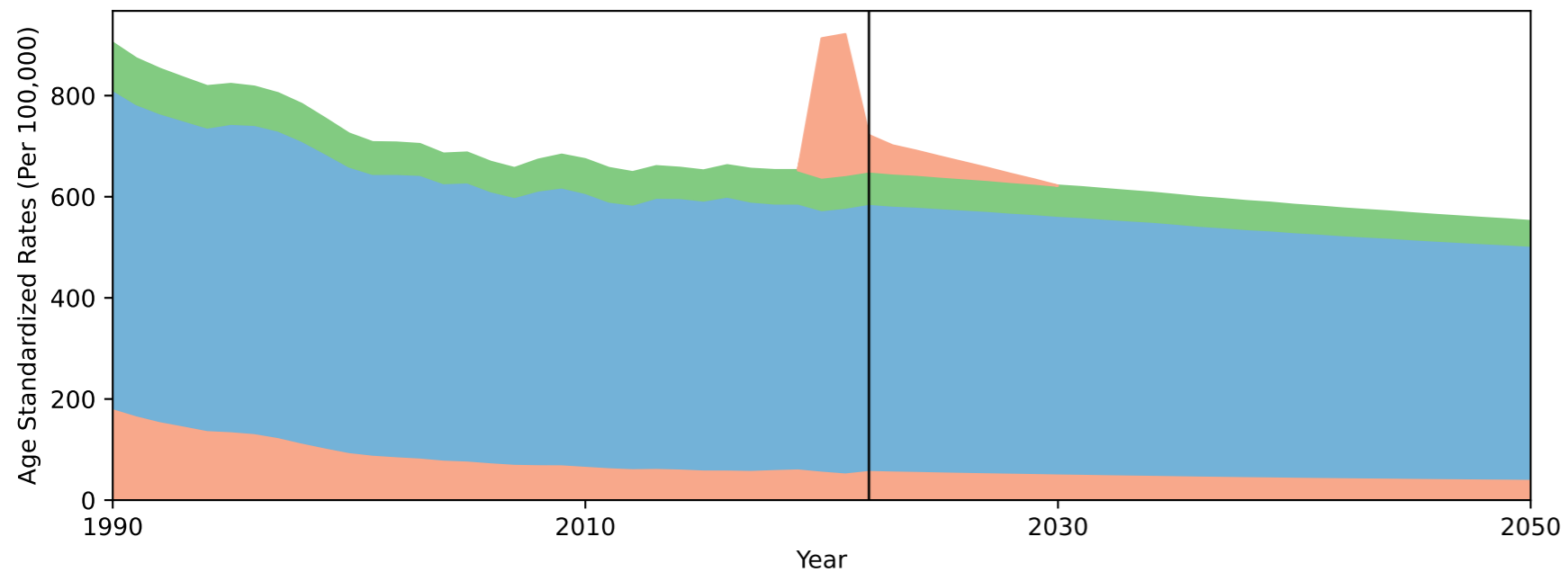


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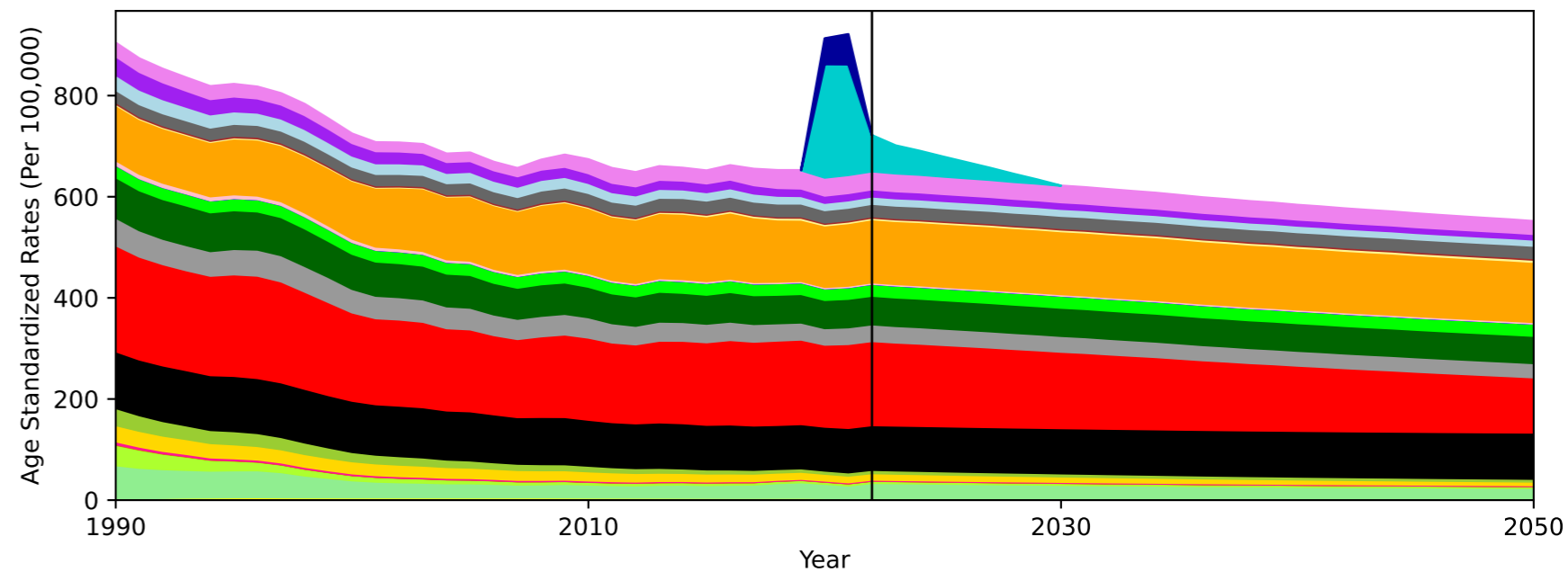


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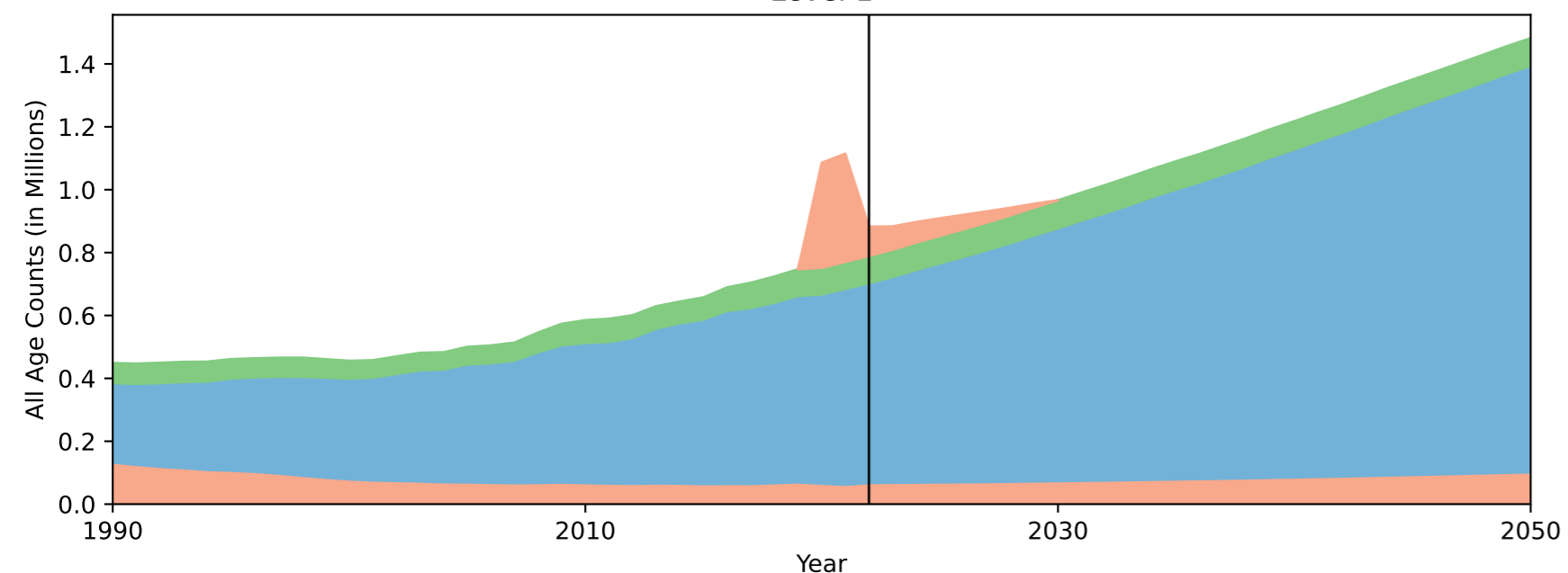
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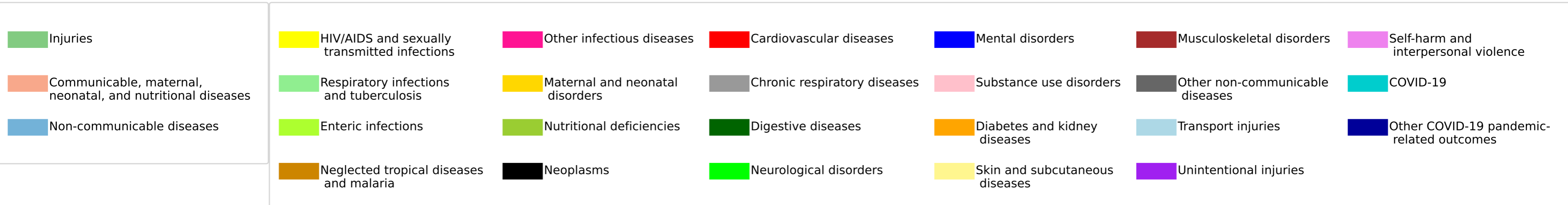
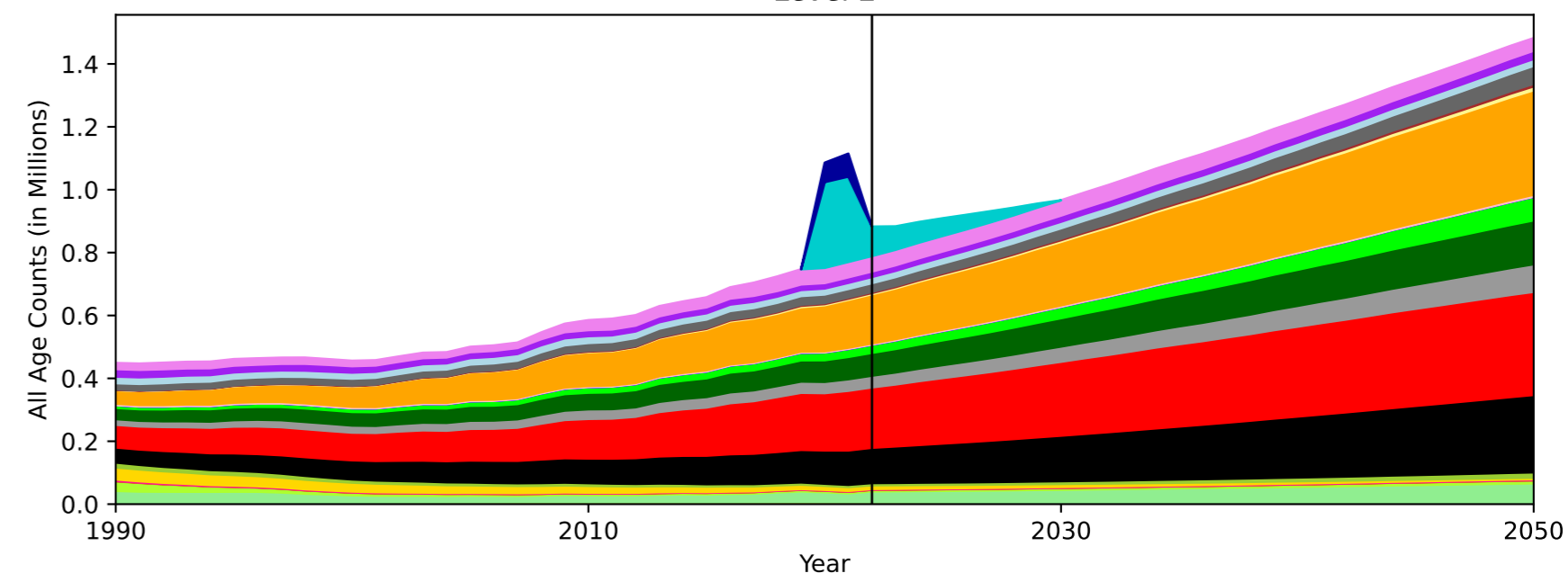
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Level 1

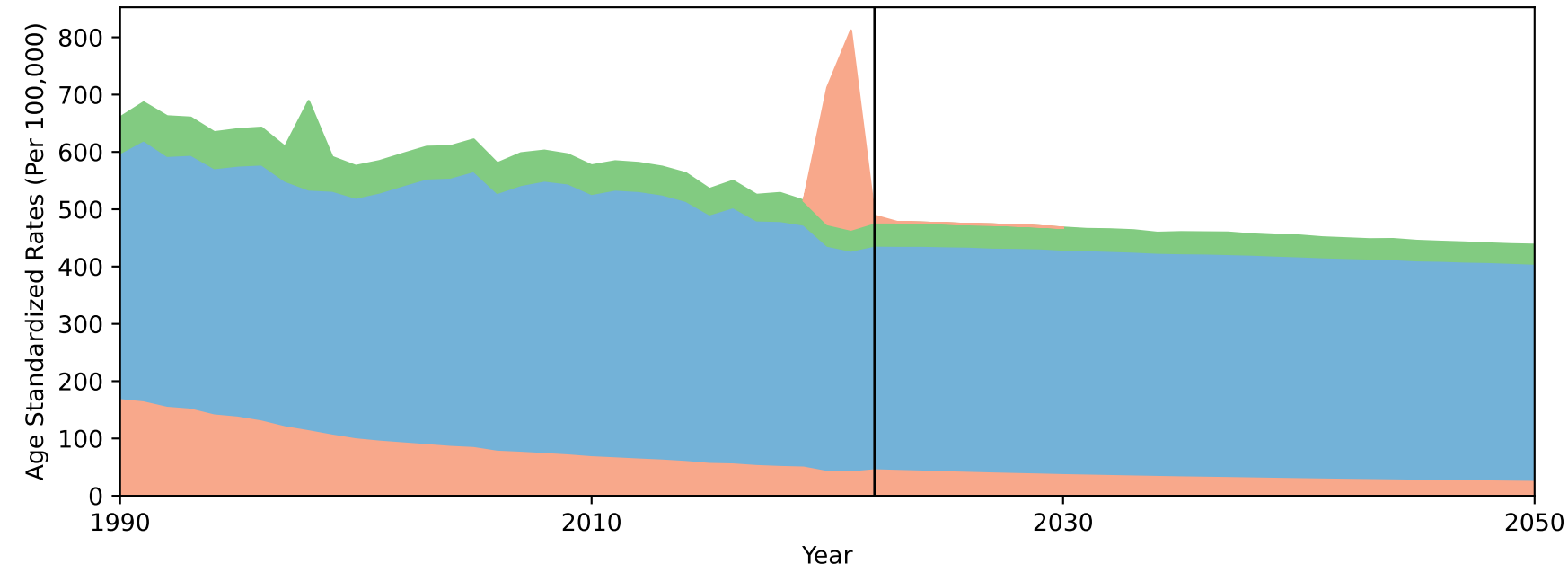


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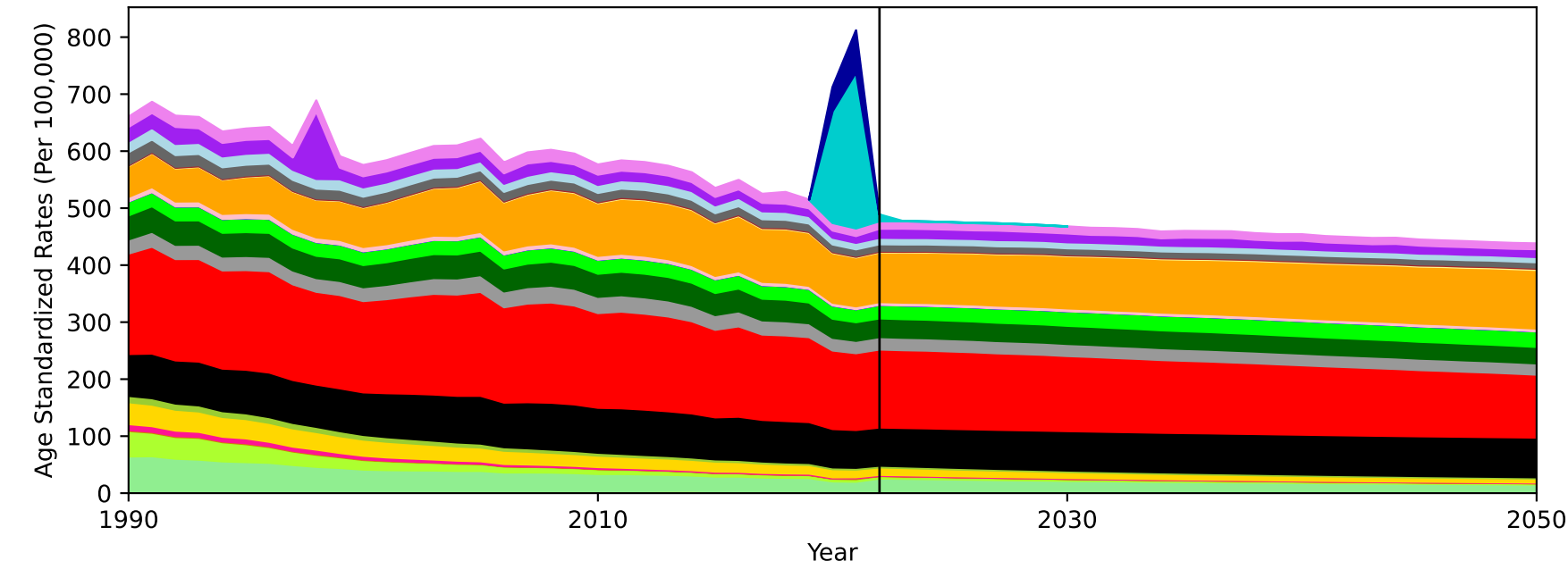


# Nicaragua

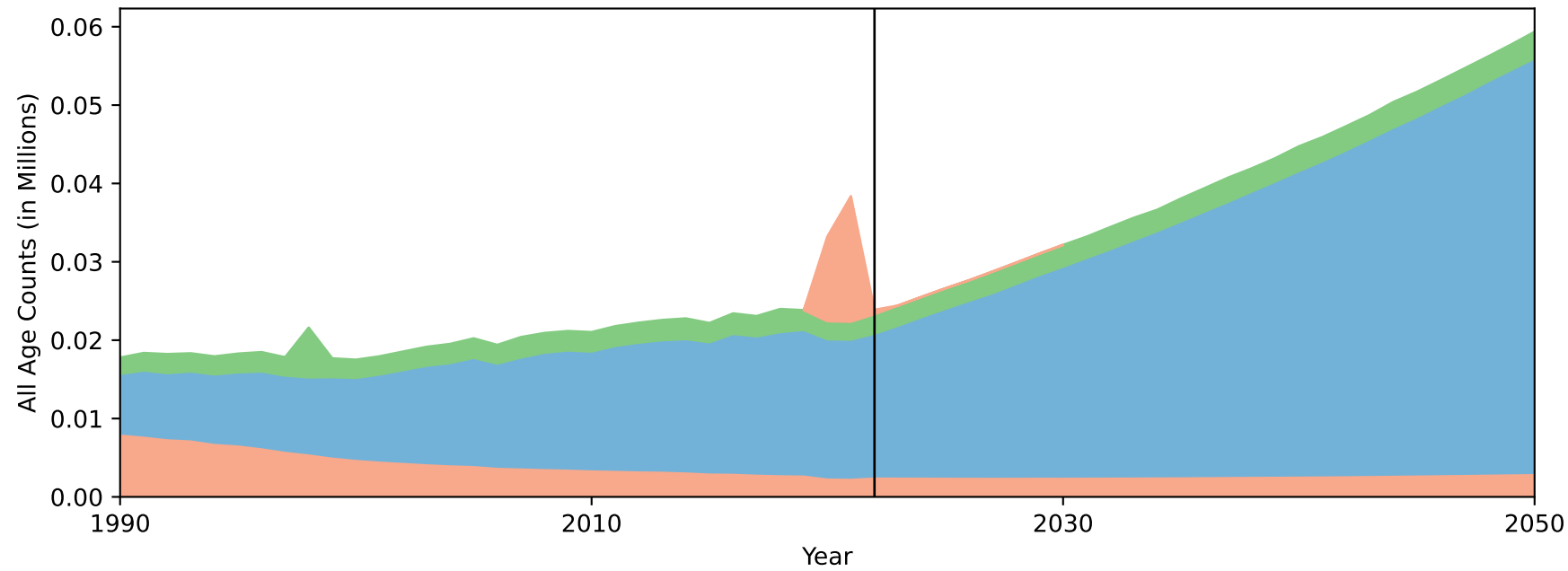
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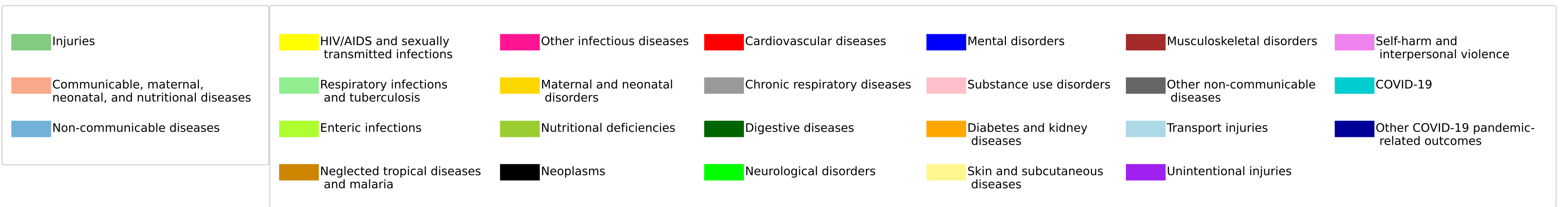
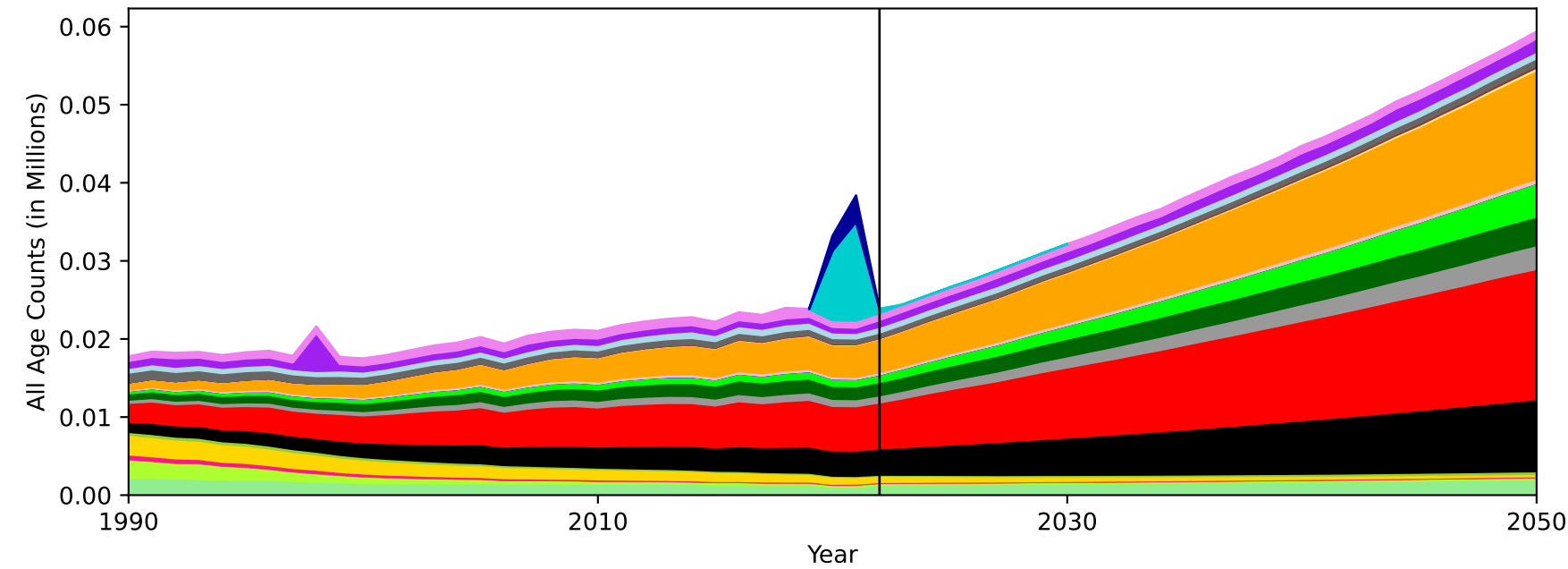
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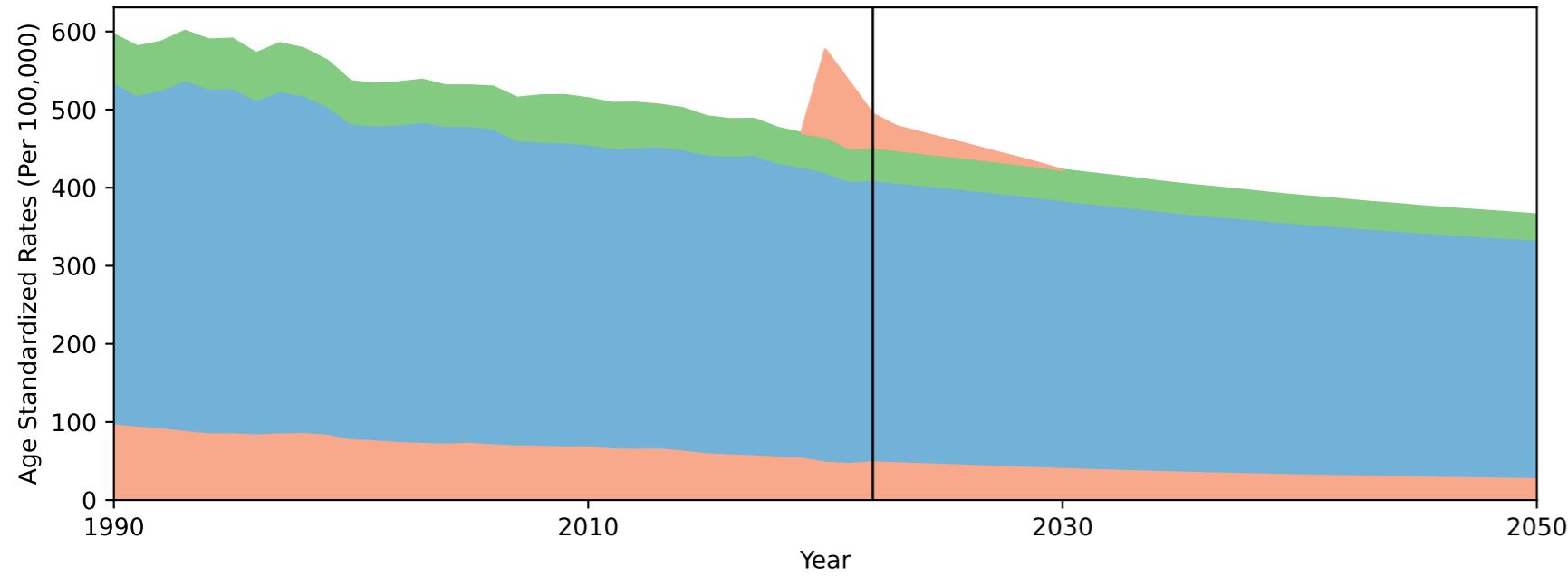


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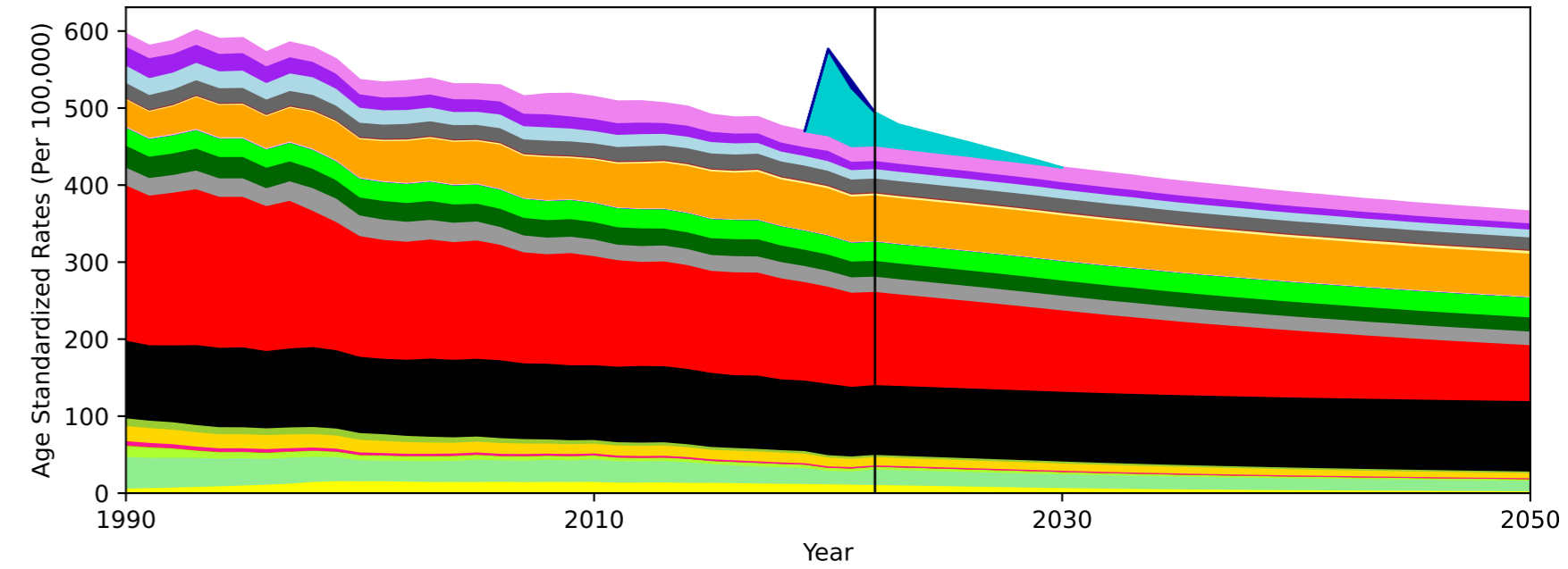


# Panama

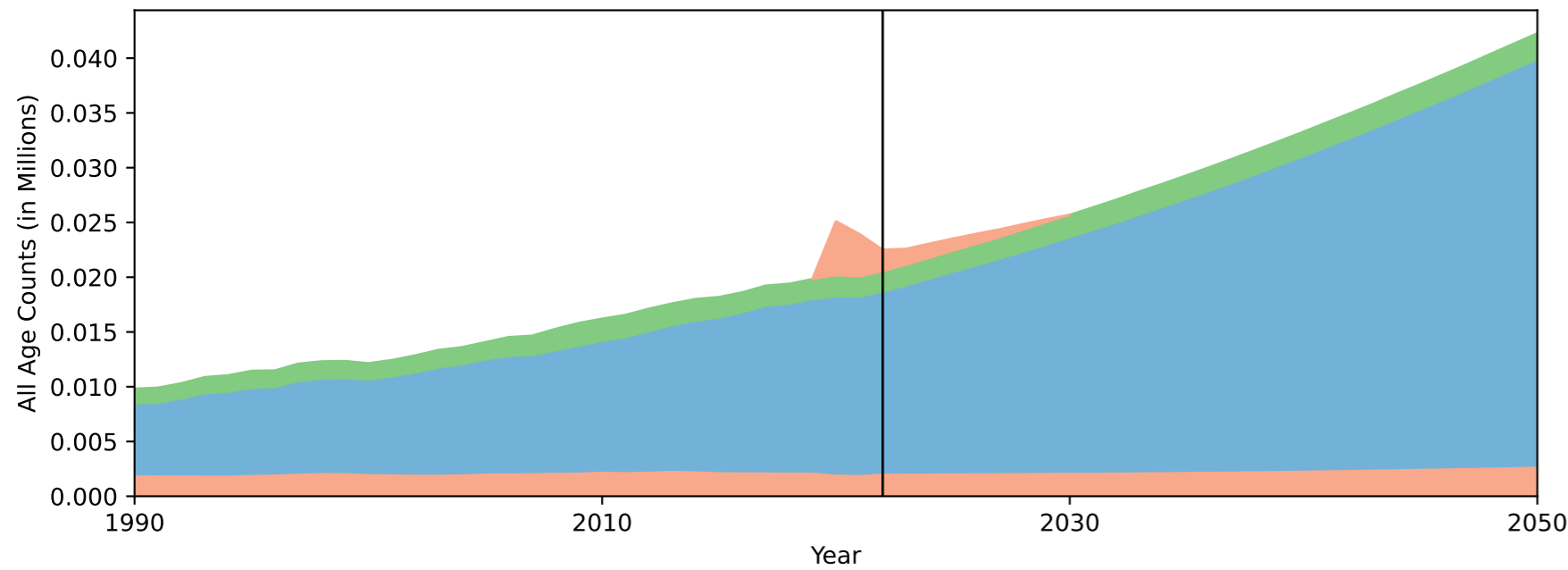
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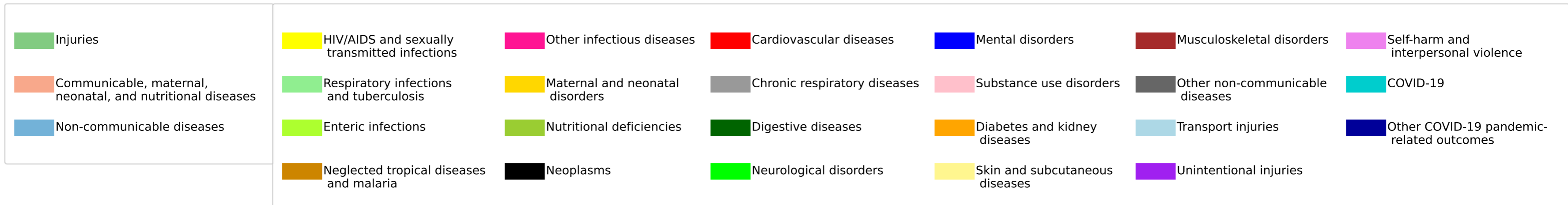
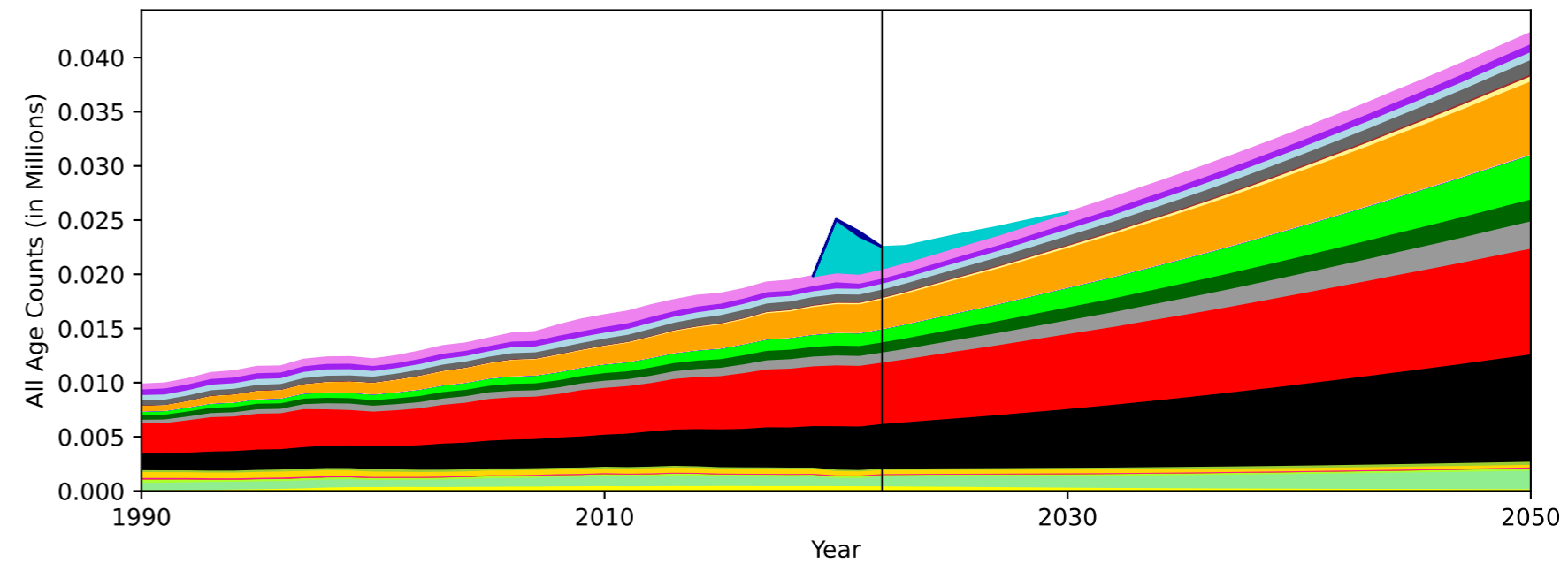
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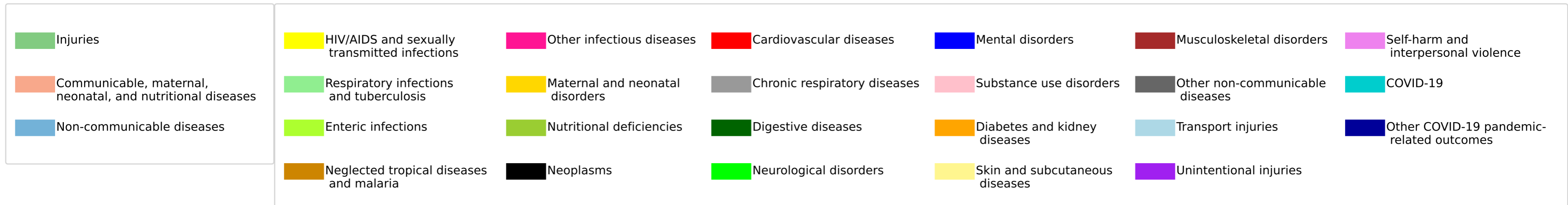
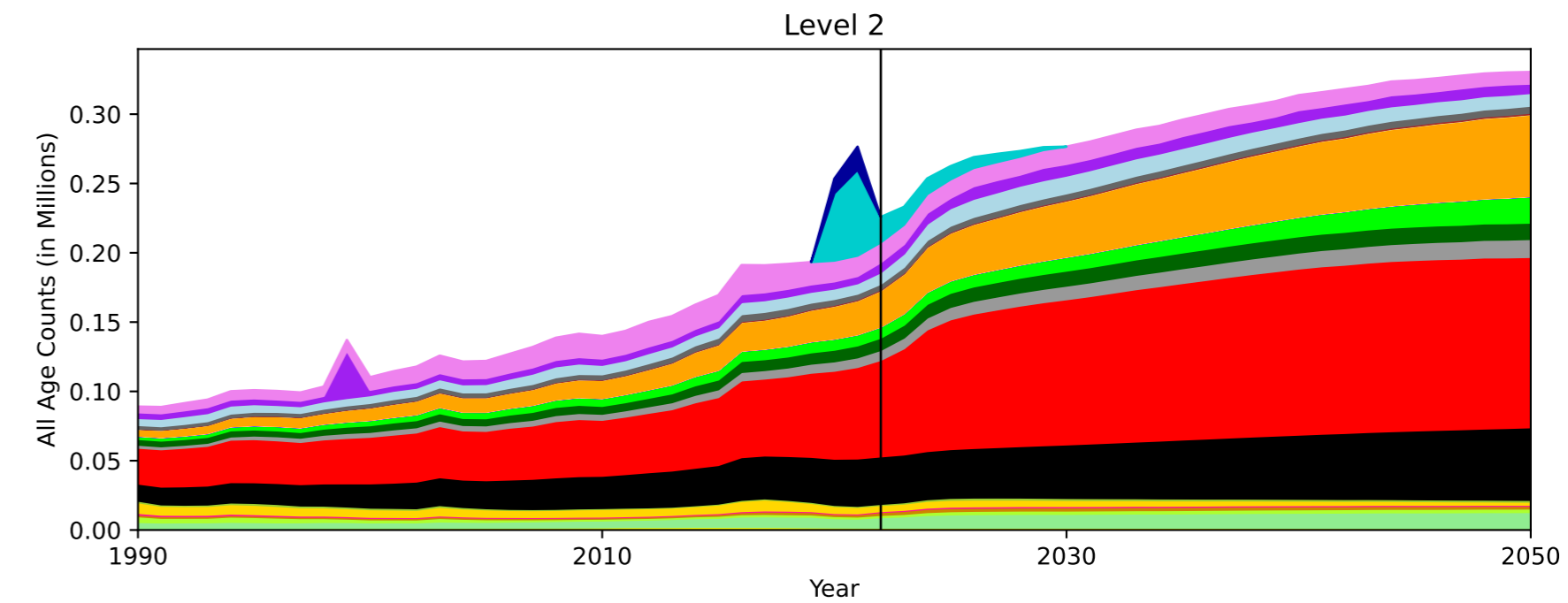
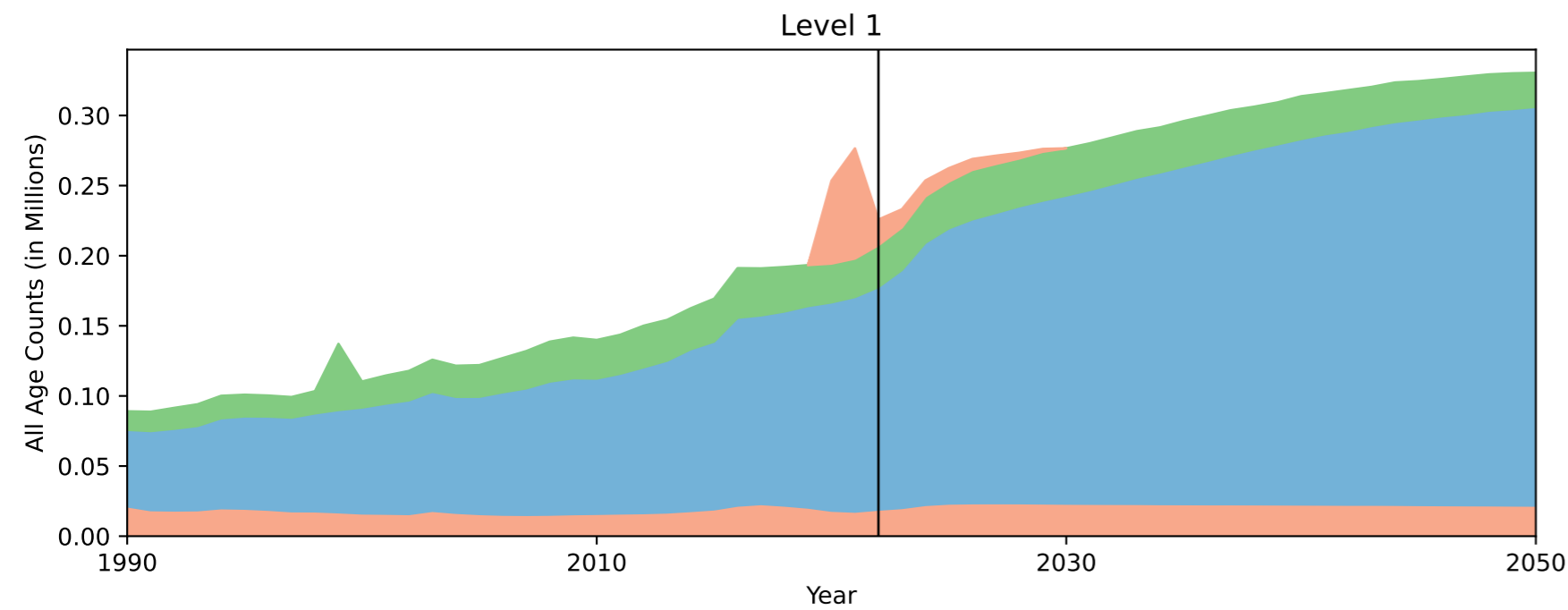
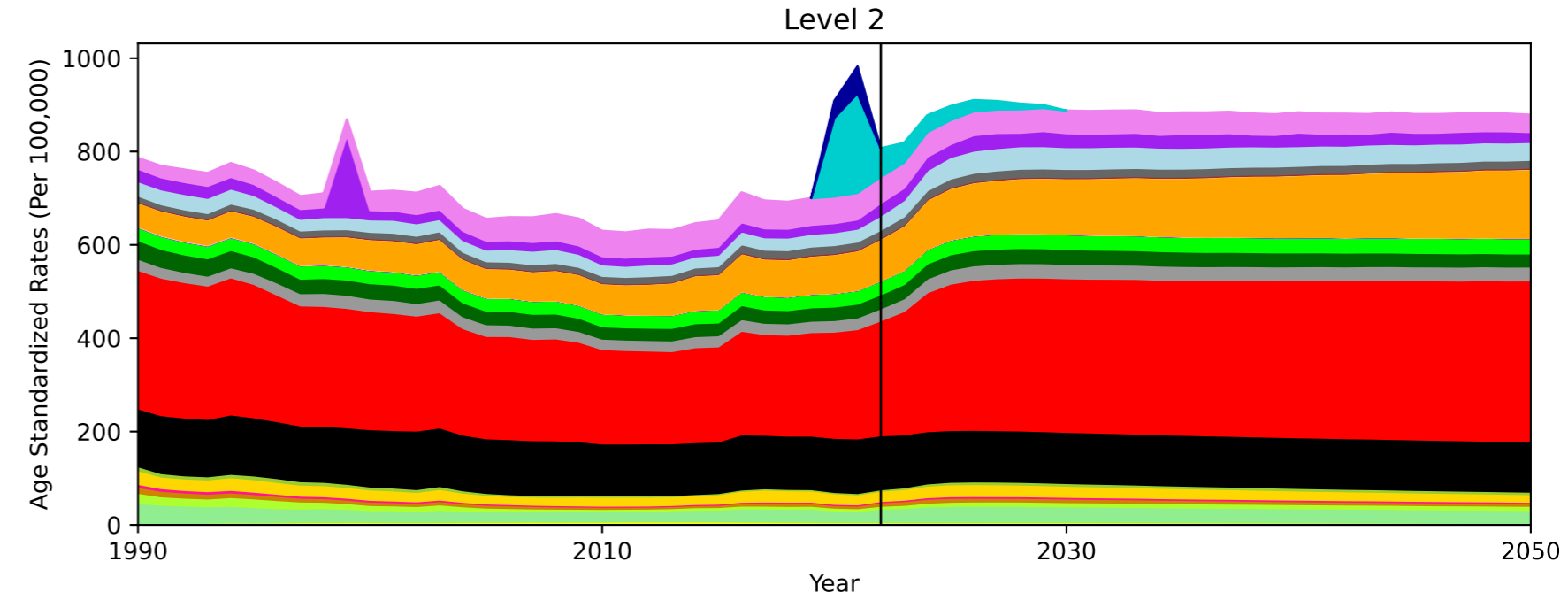
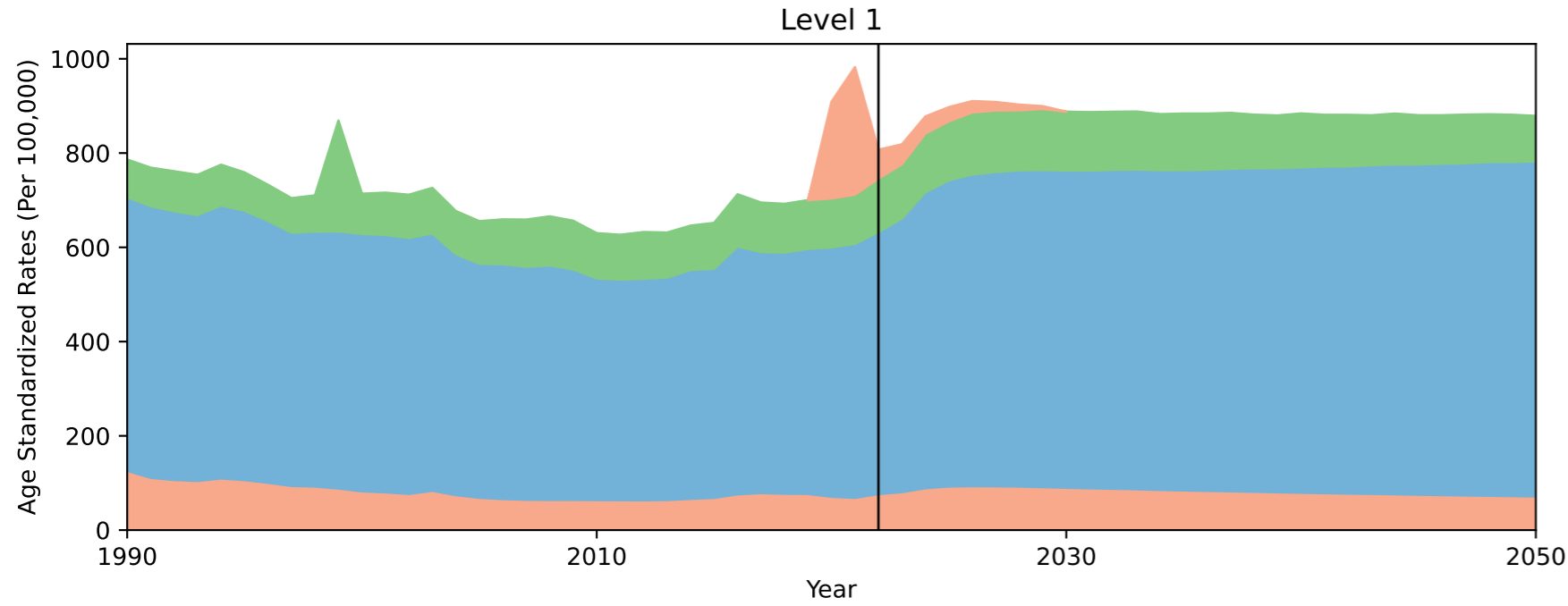
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Level 2

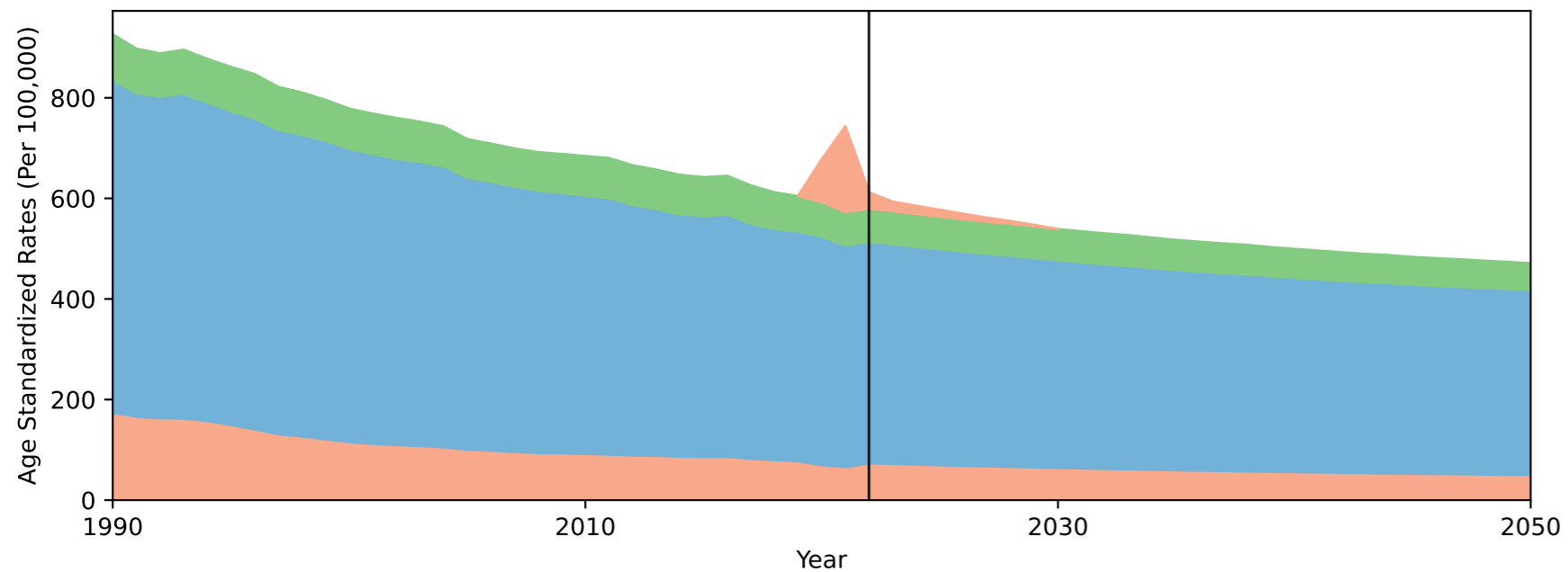


# Venezuela

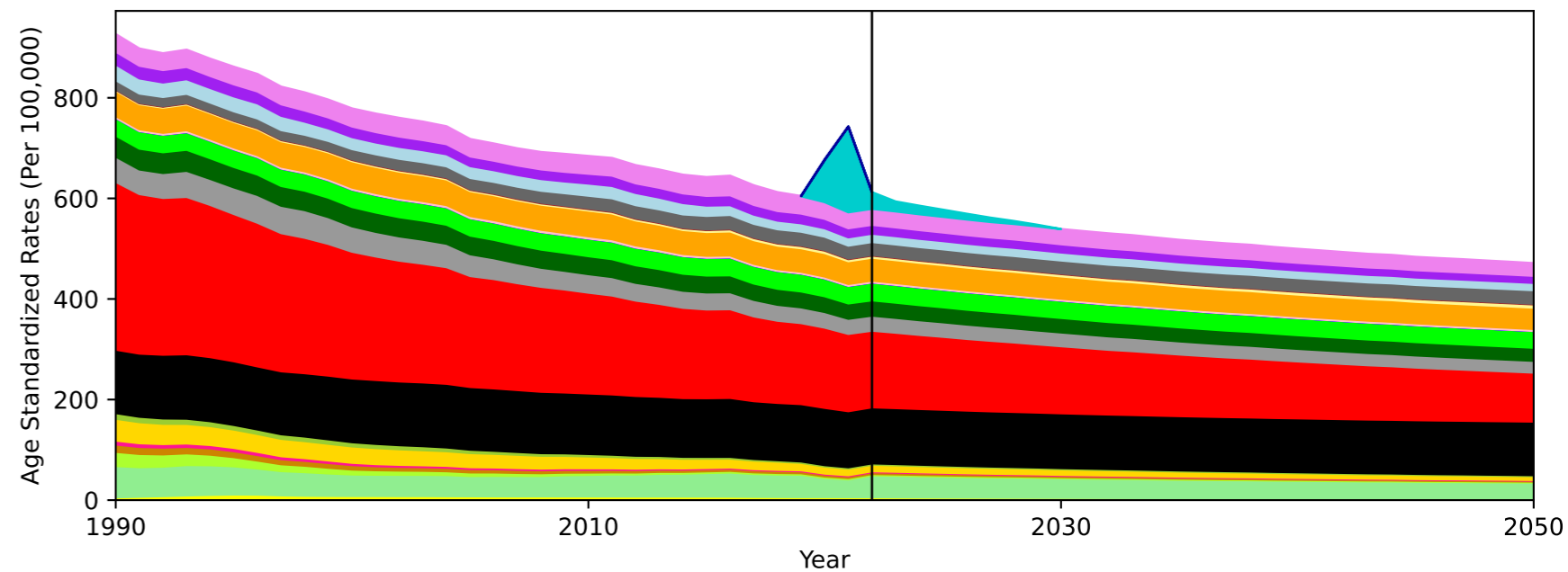


# Brazil

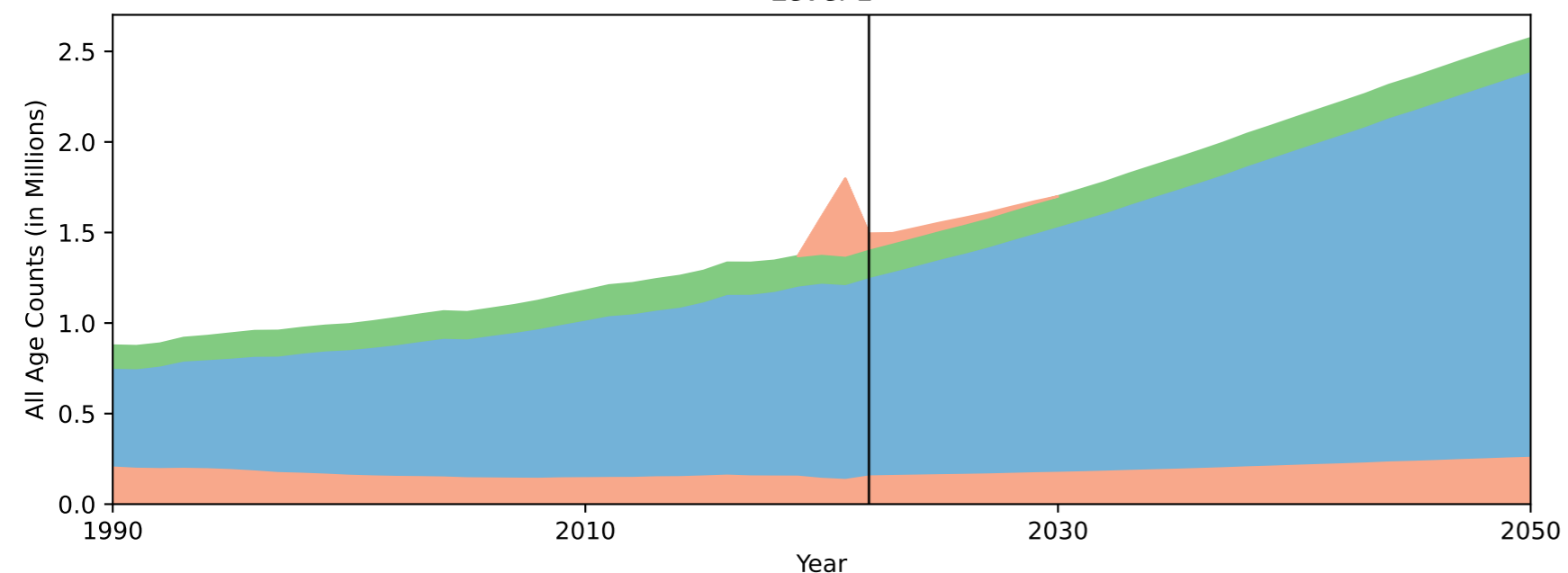
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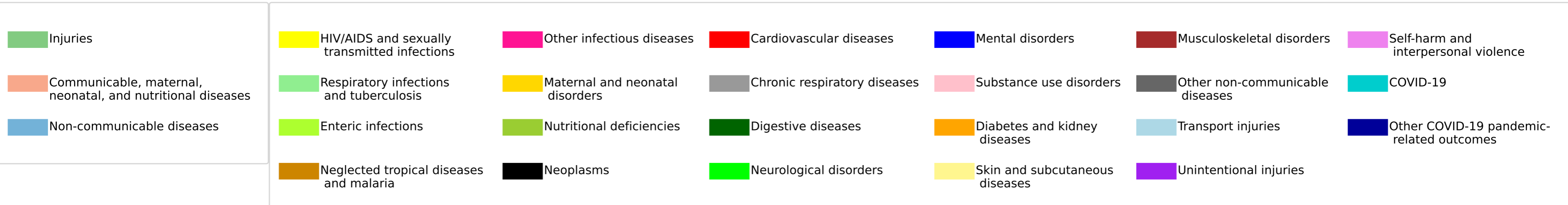
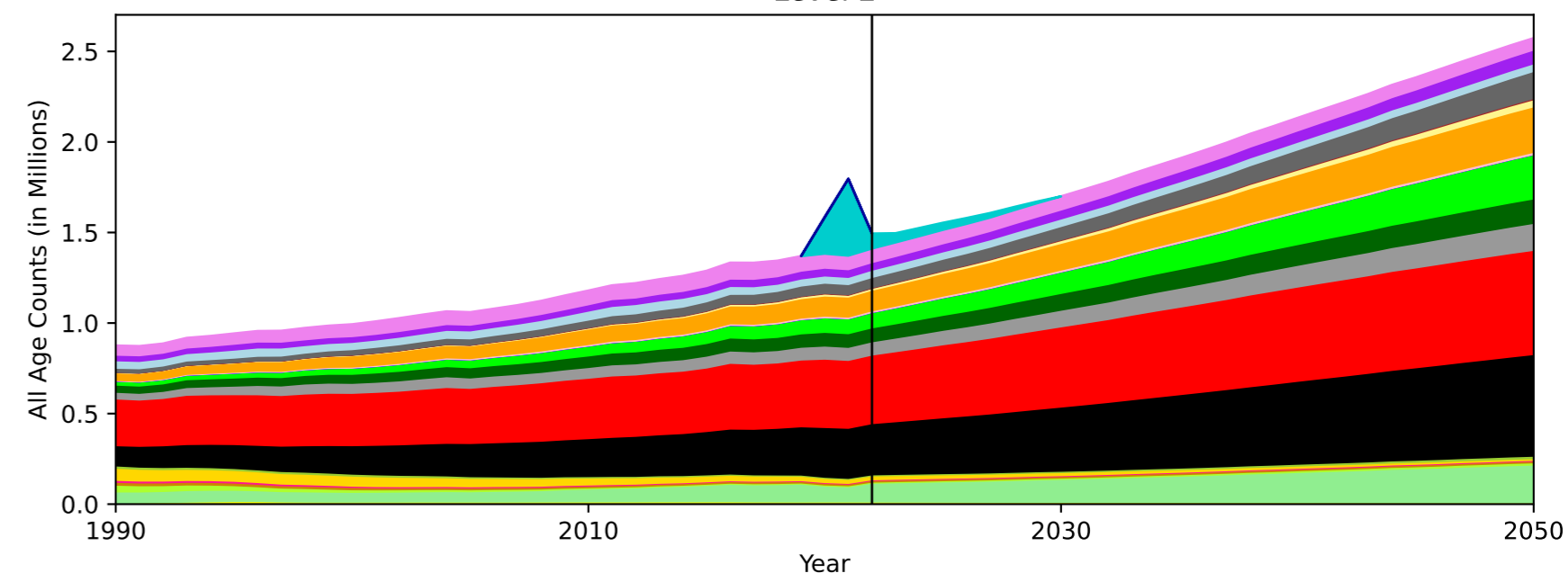
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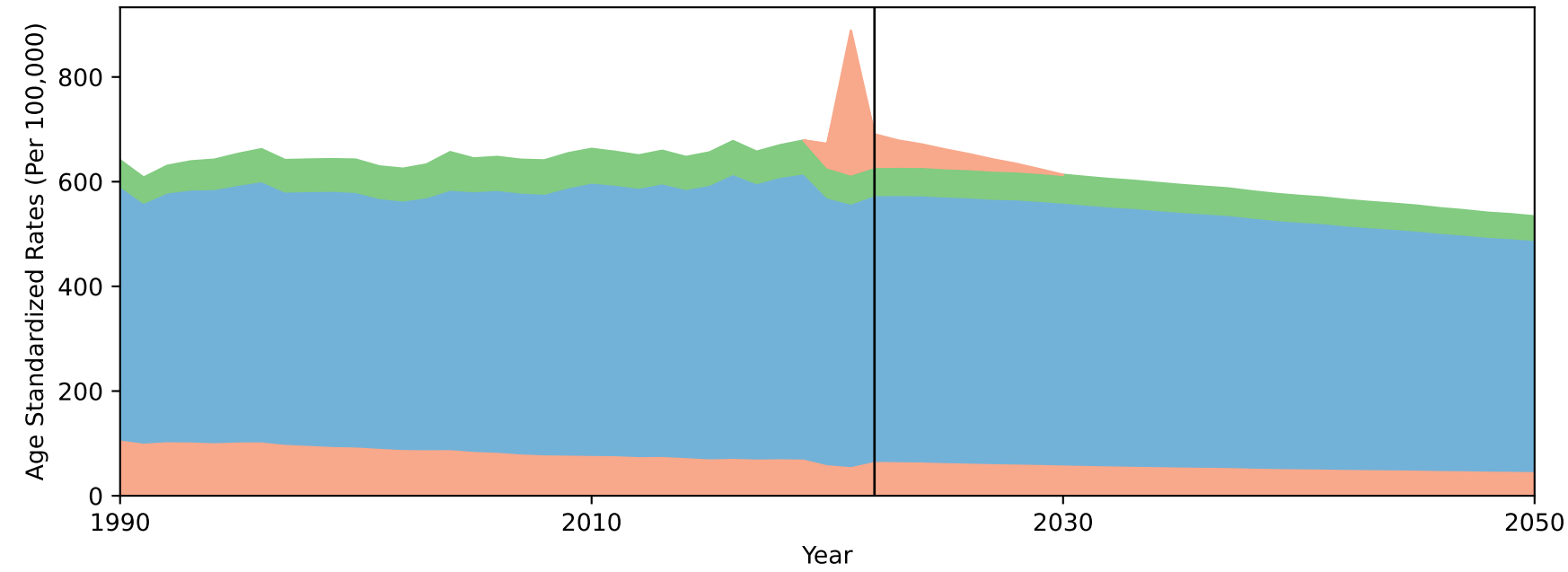


Level 2

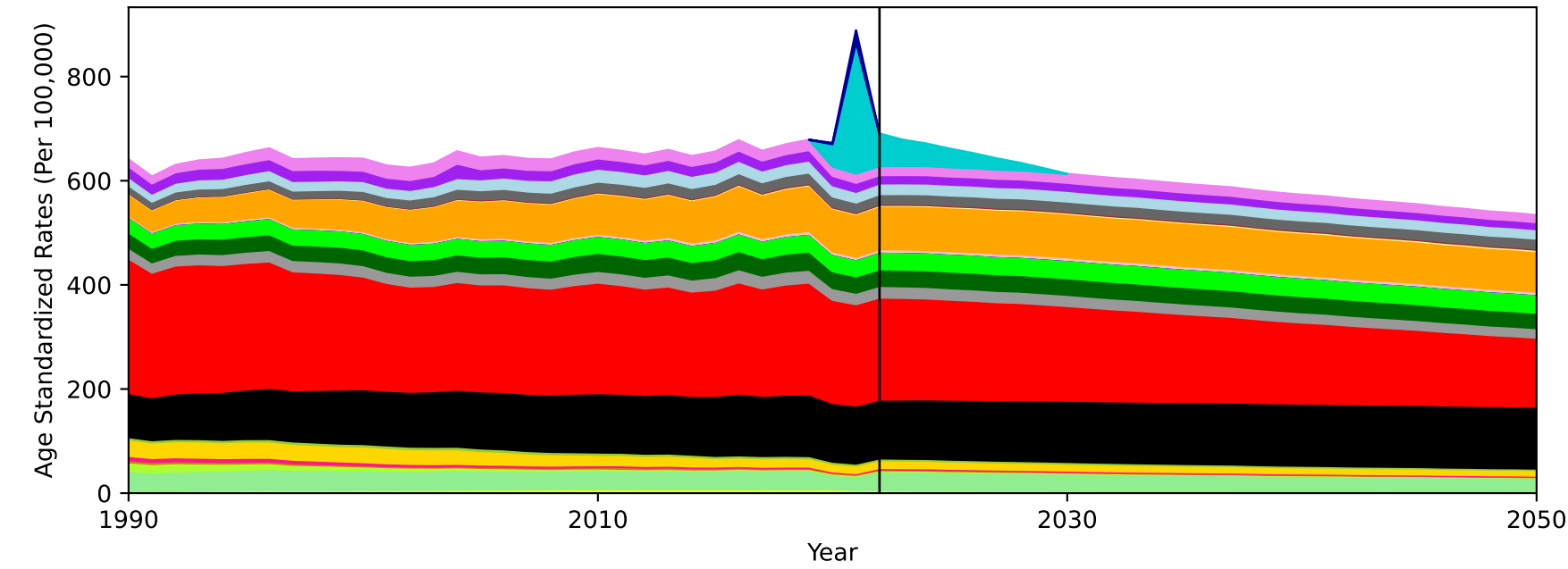


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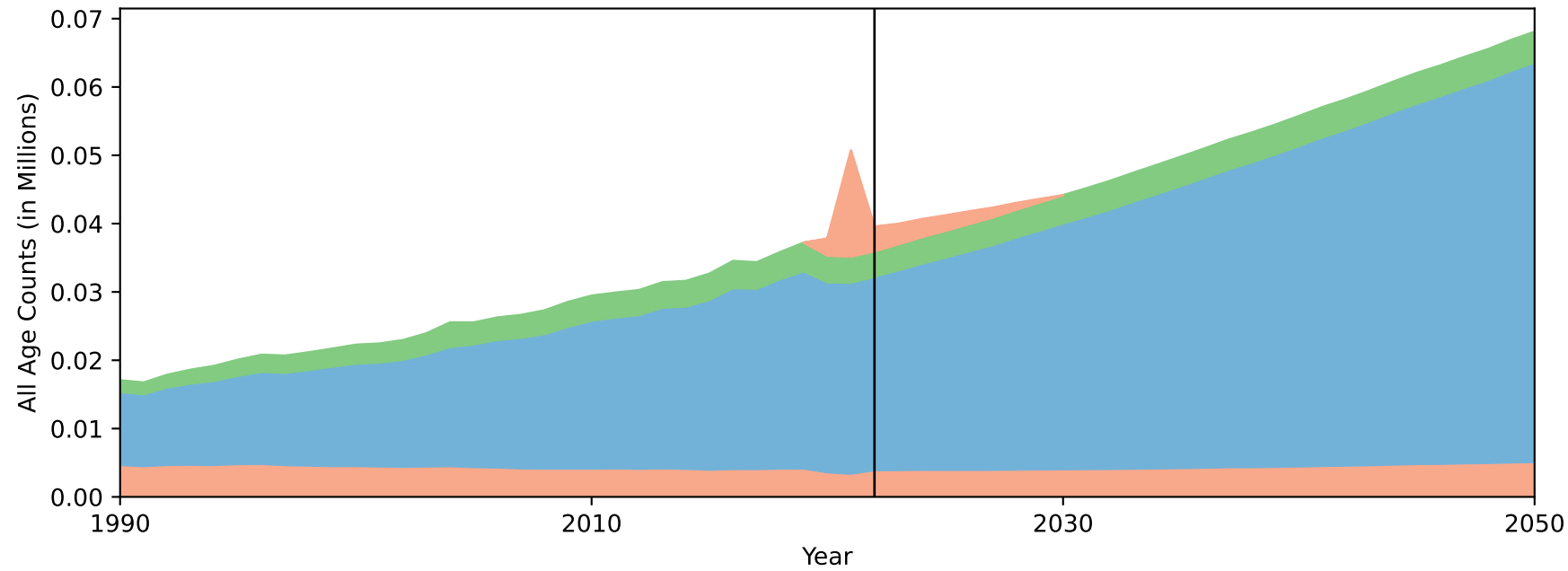
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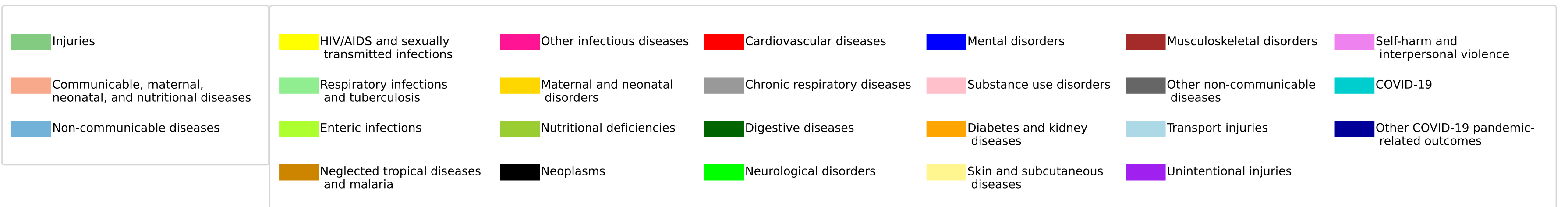
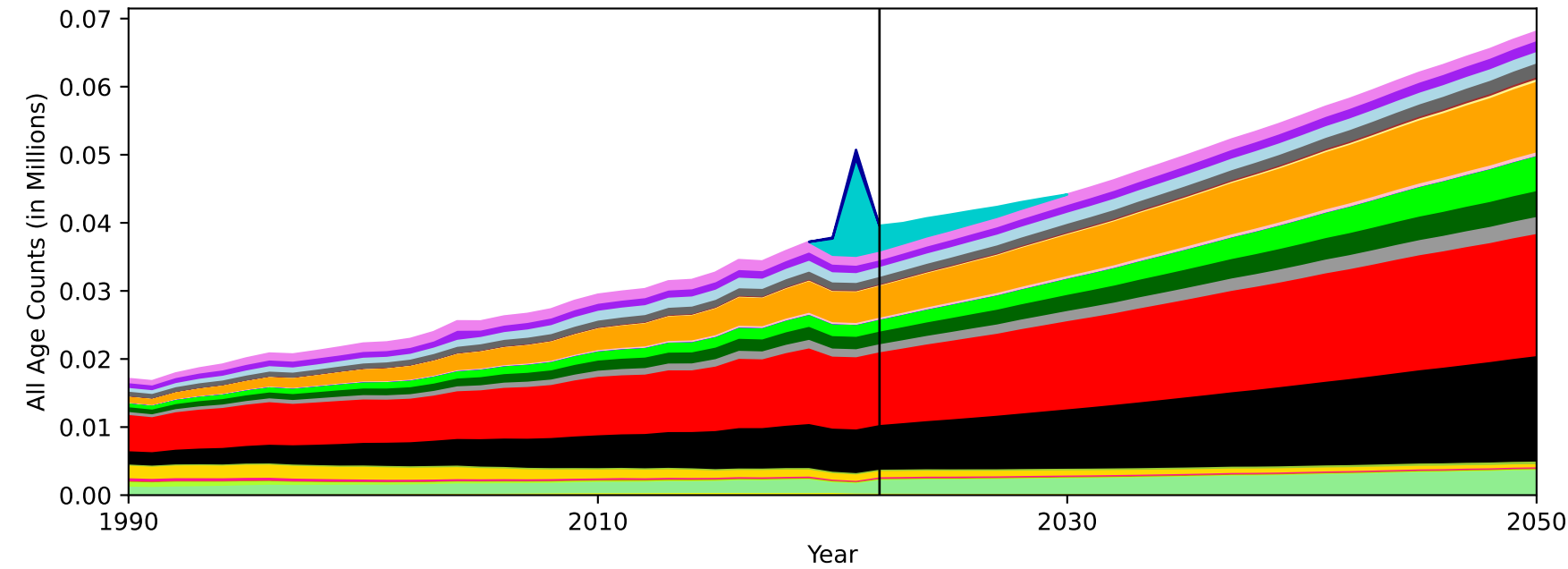
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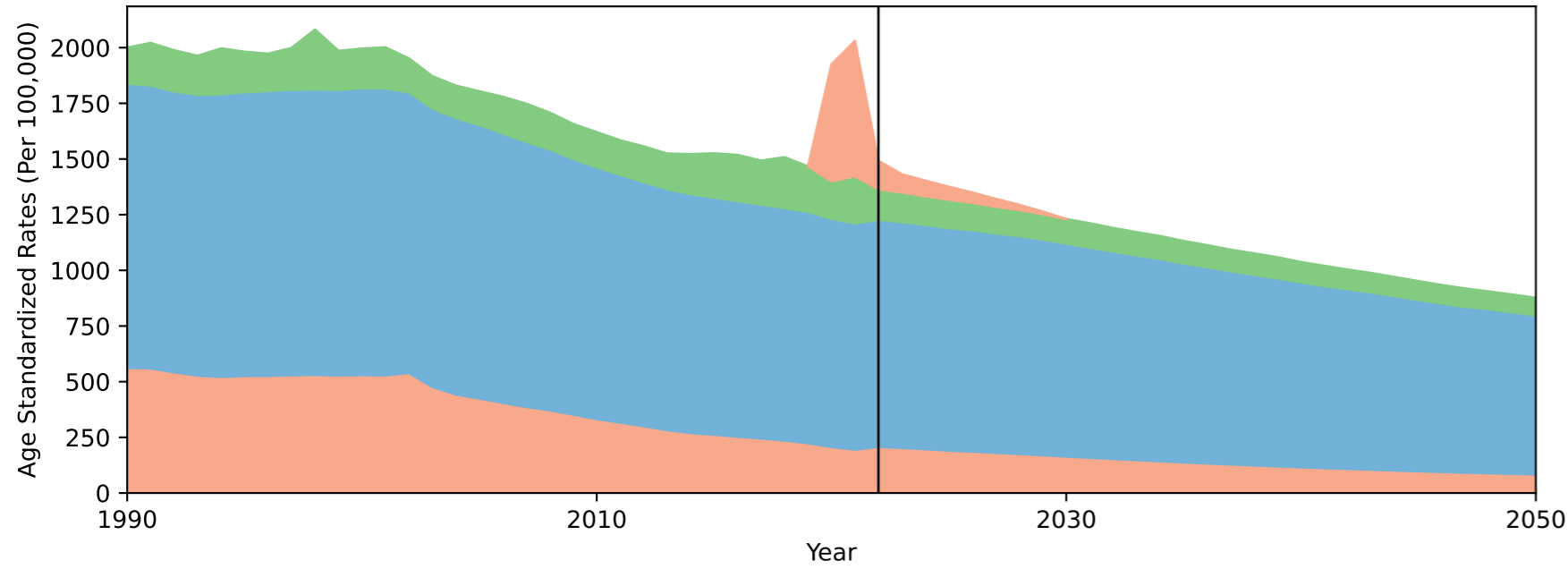
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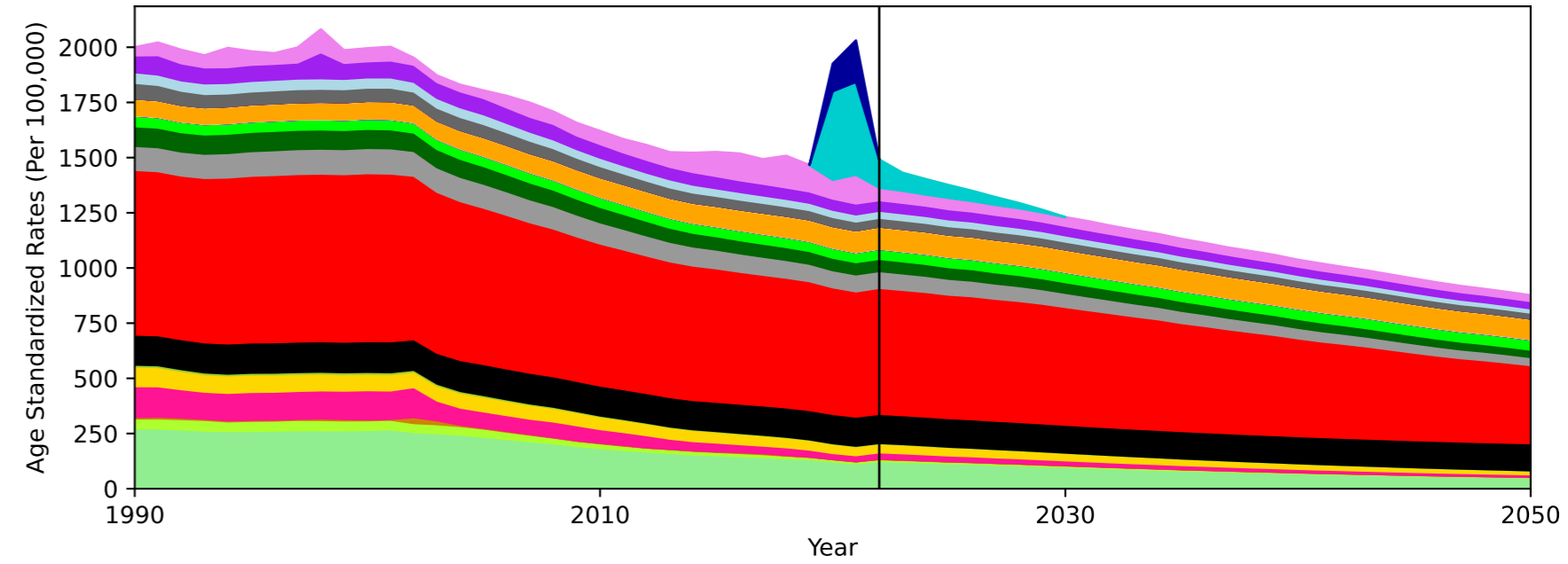


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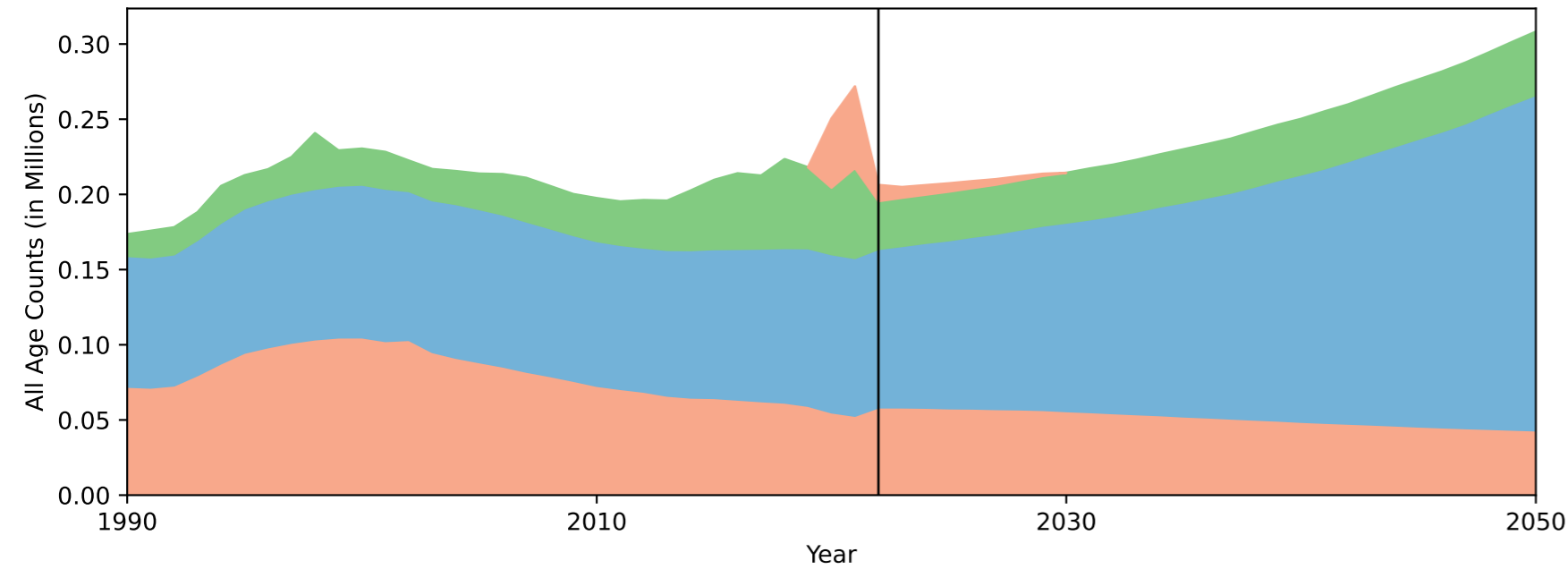
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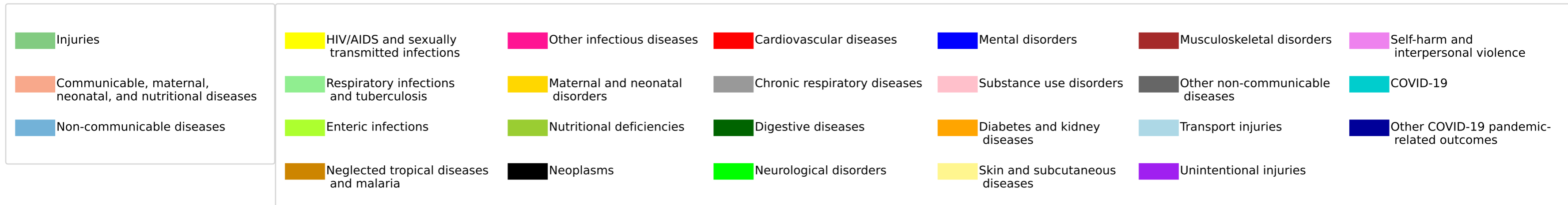
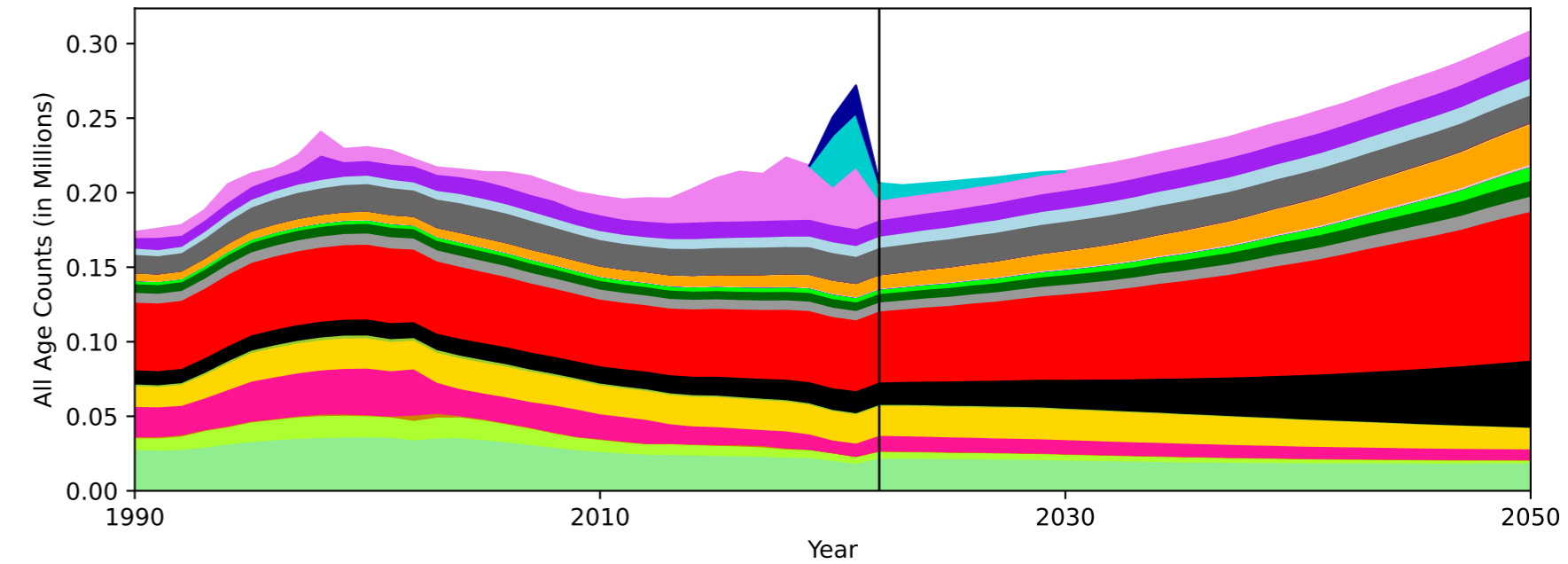
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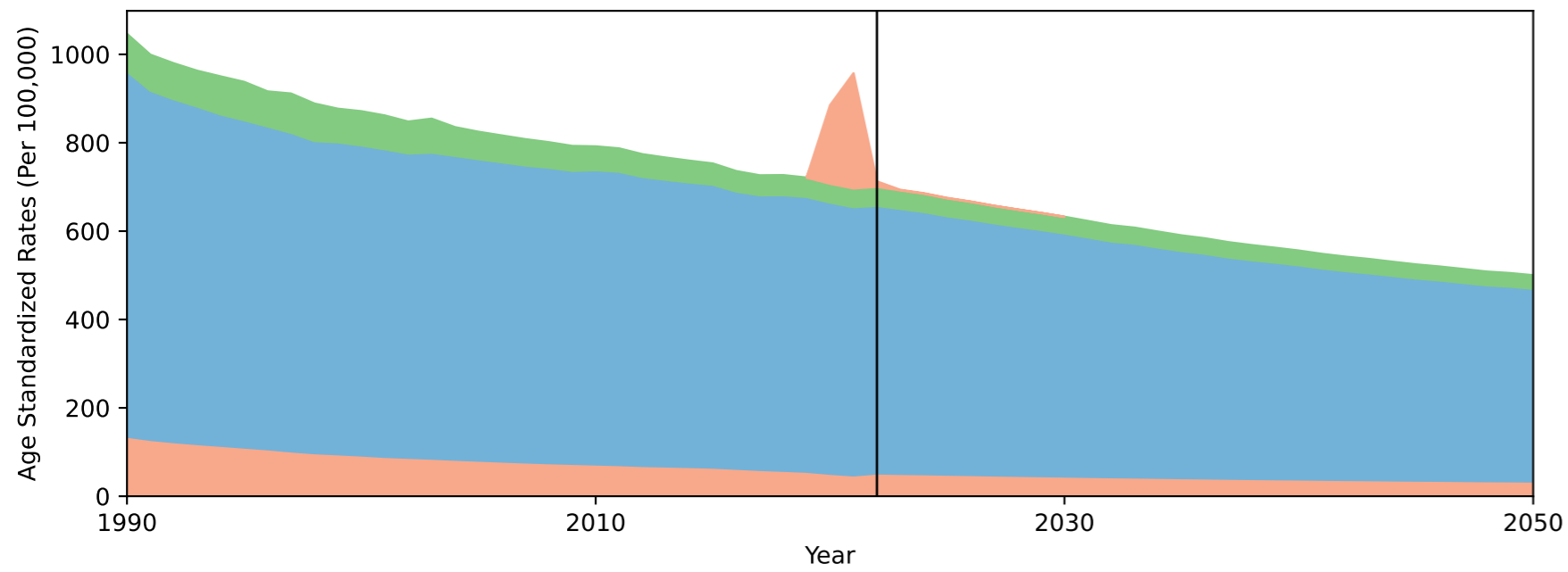


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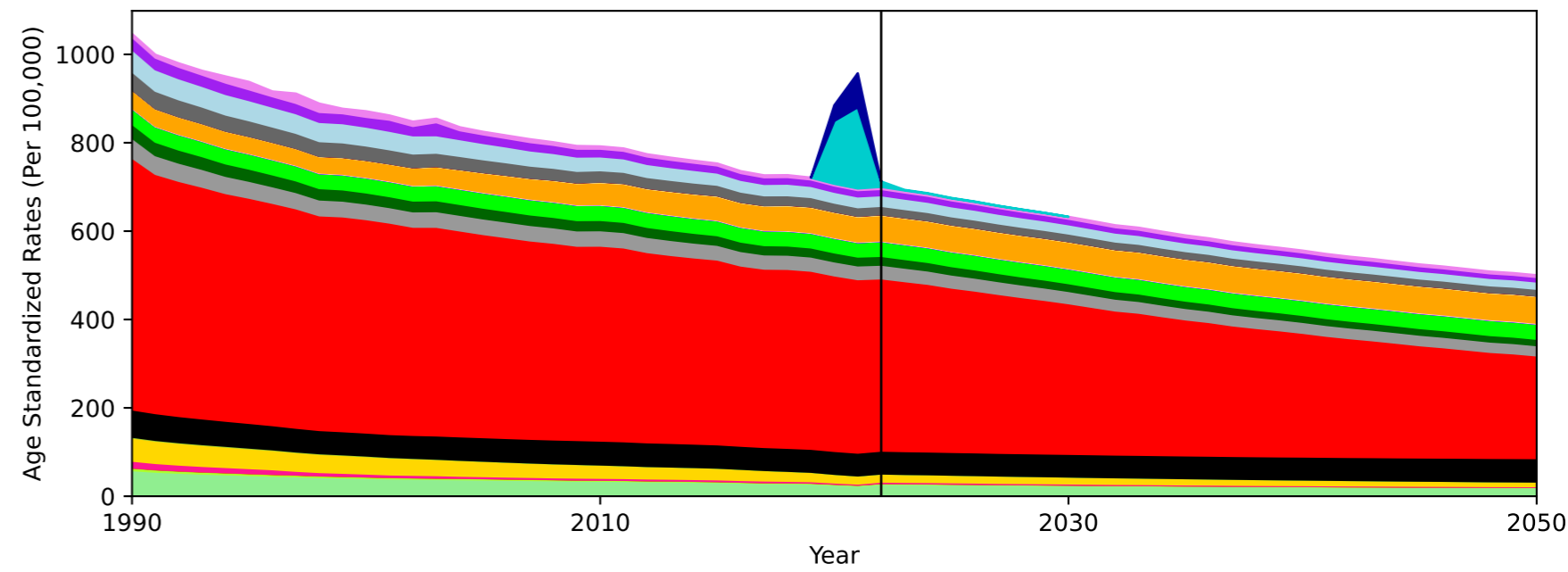


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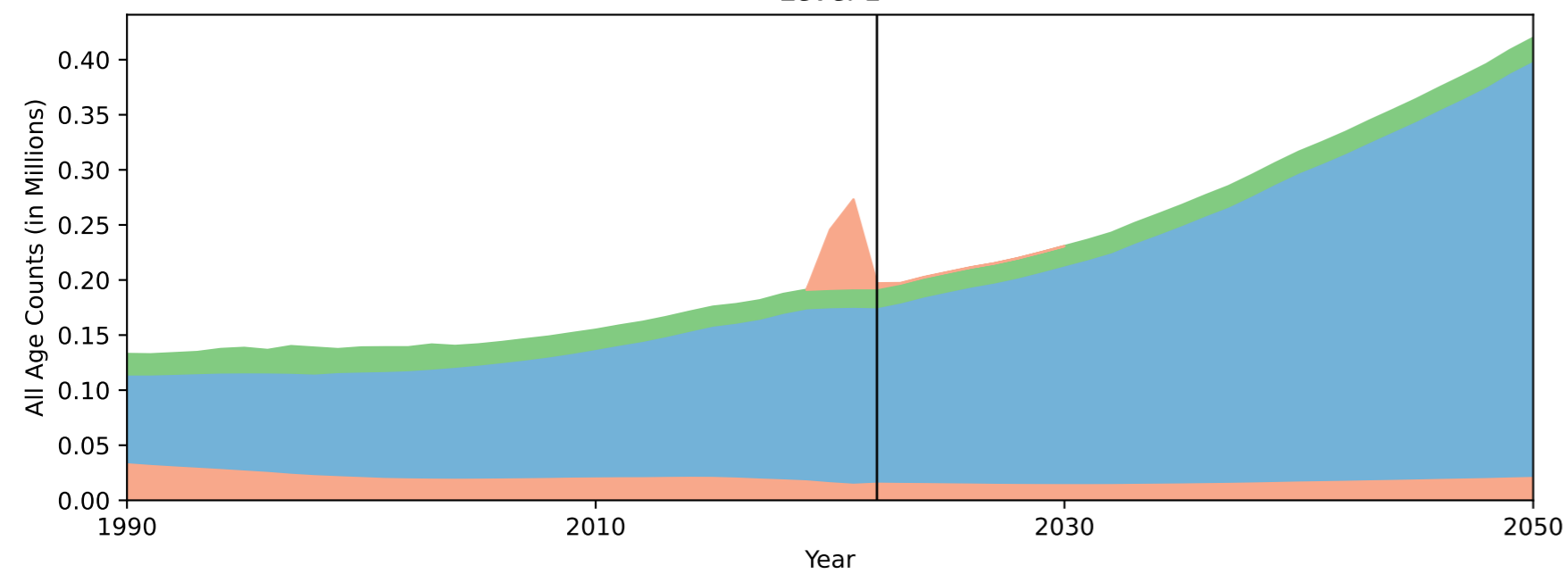
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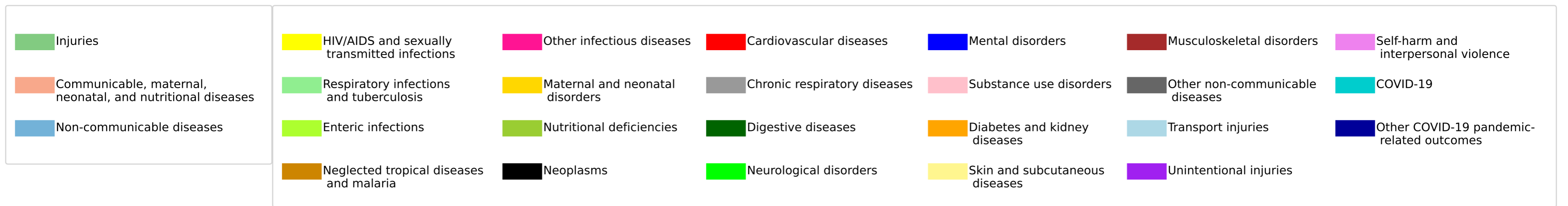
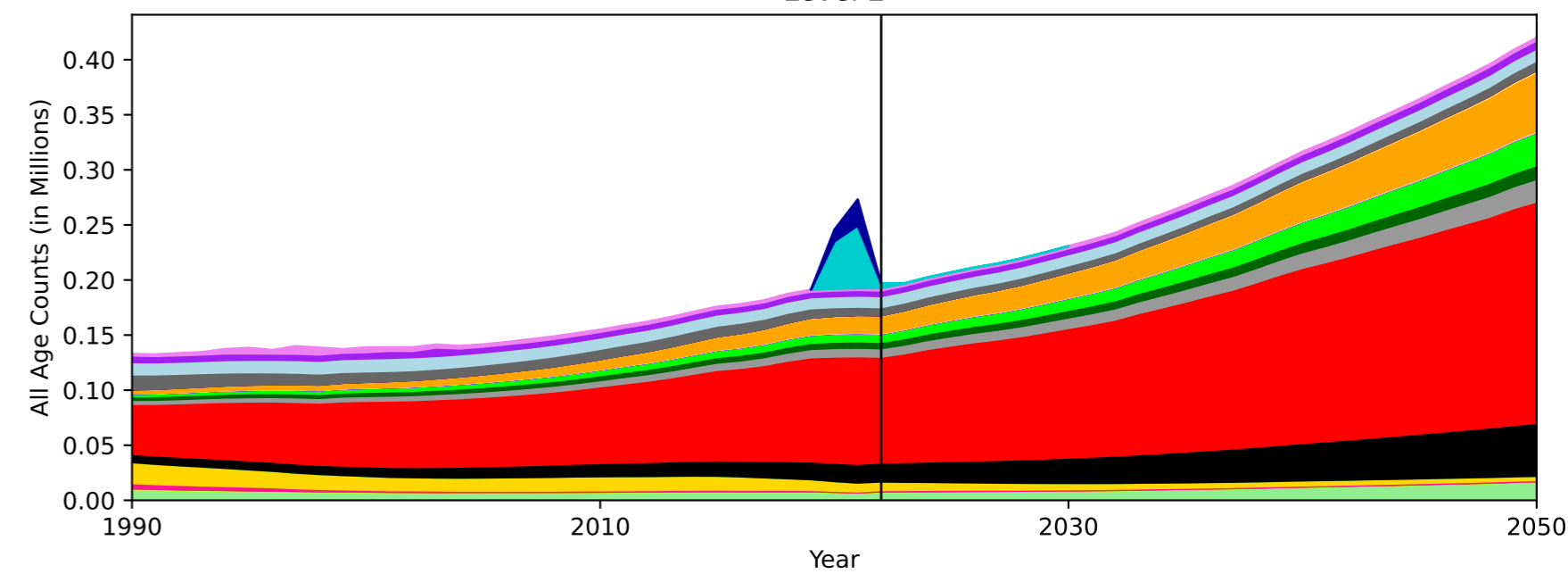
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Level 2

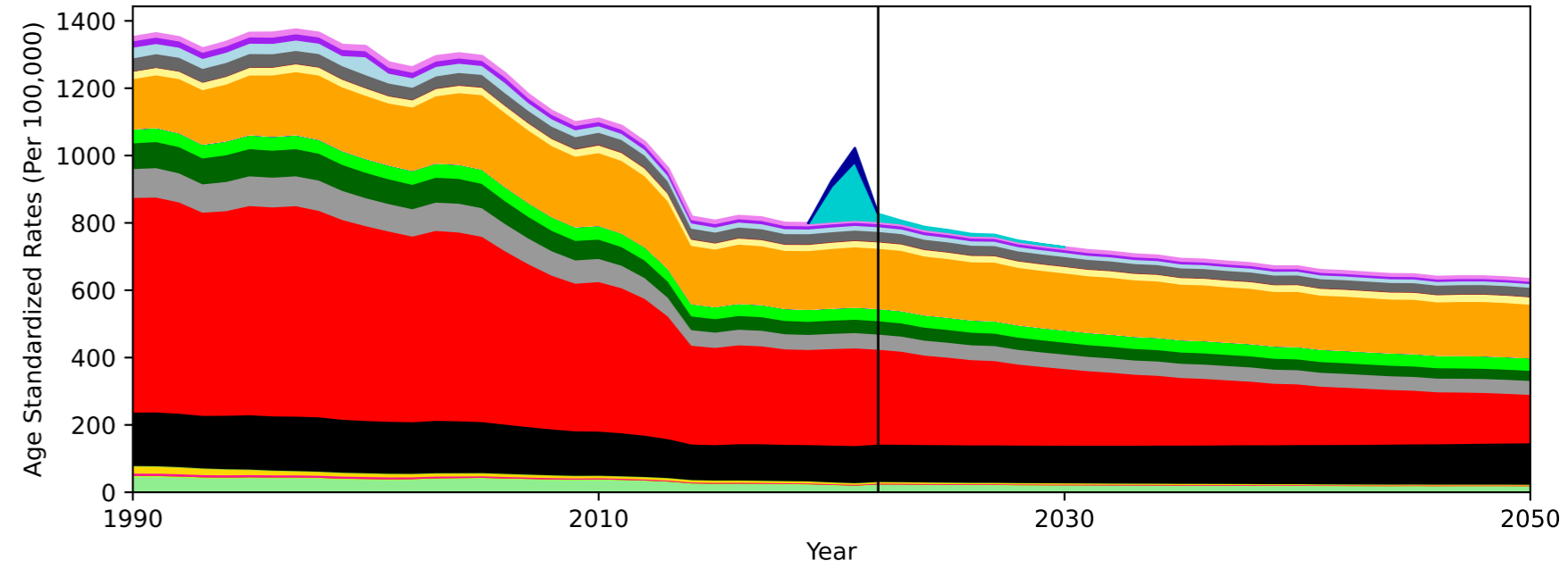


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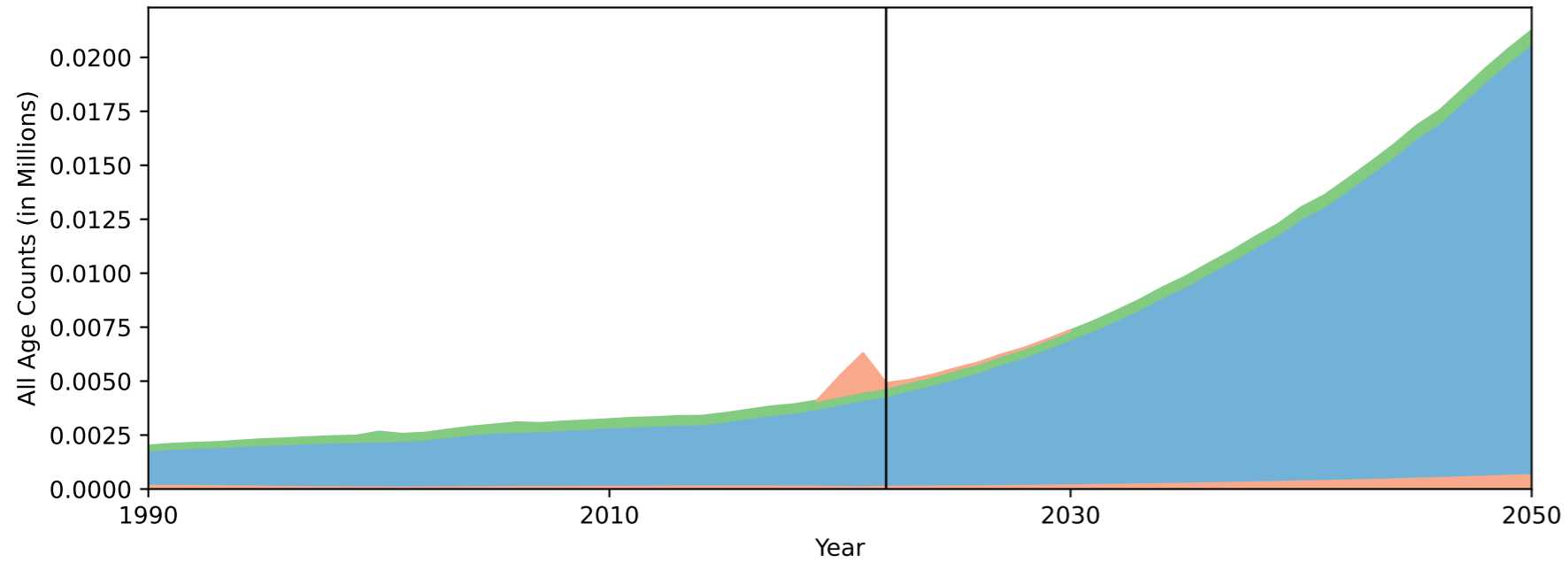
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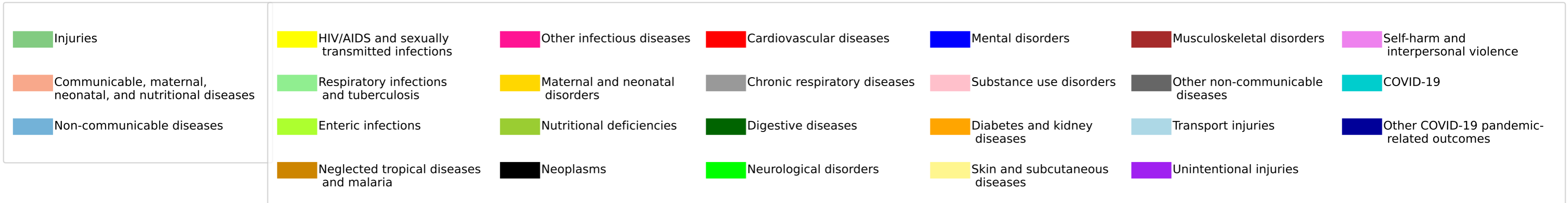
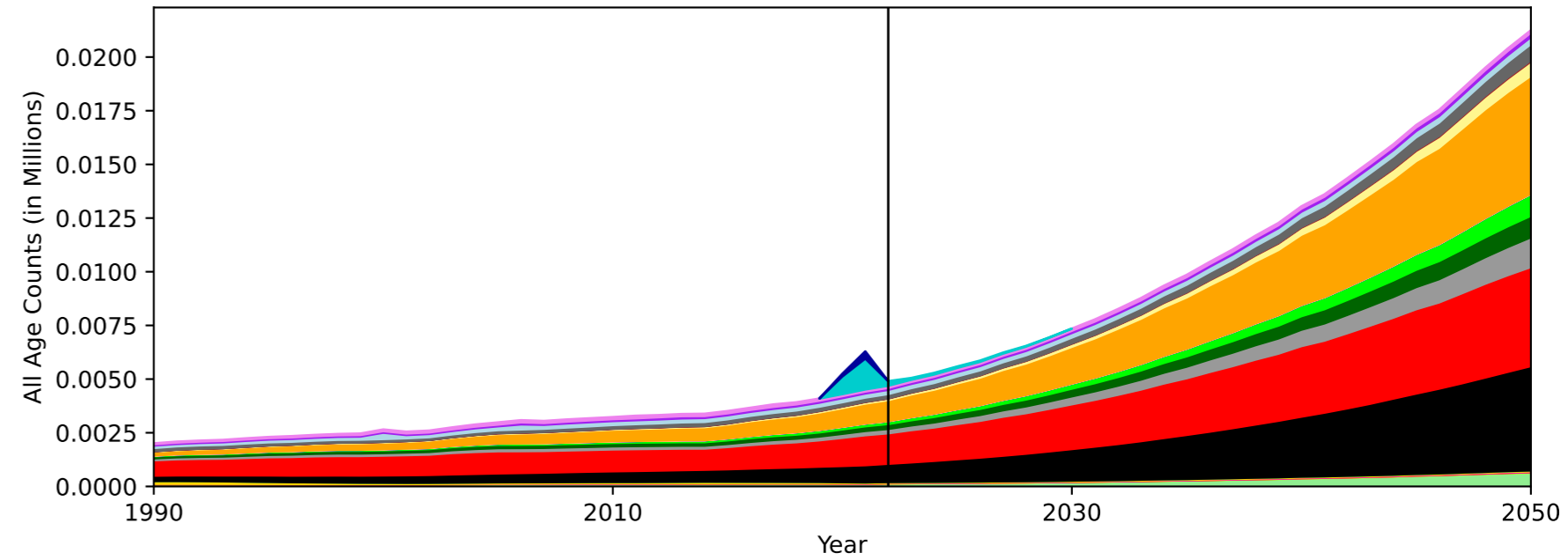
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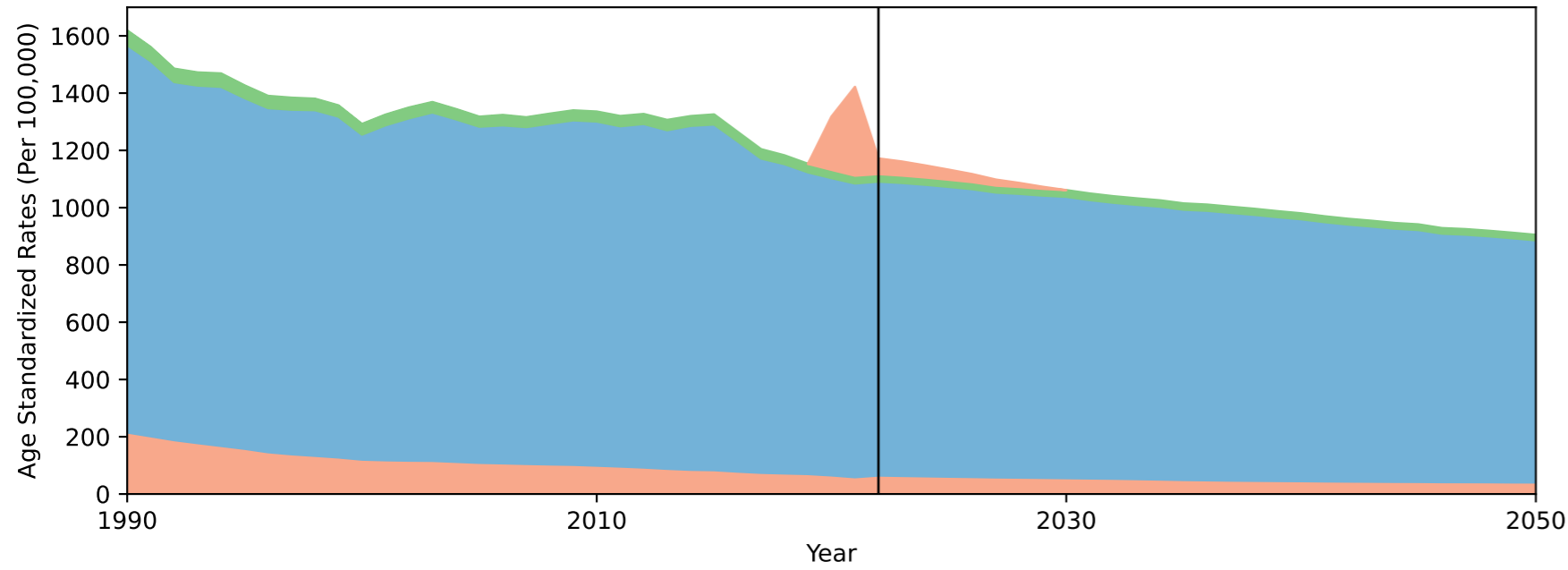
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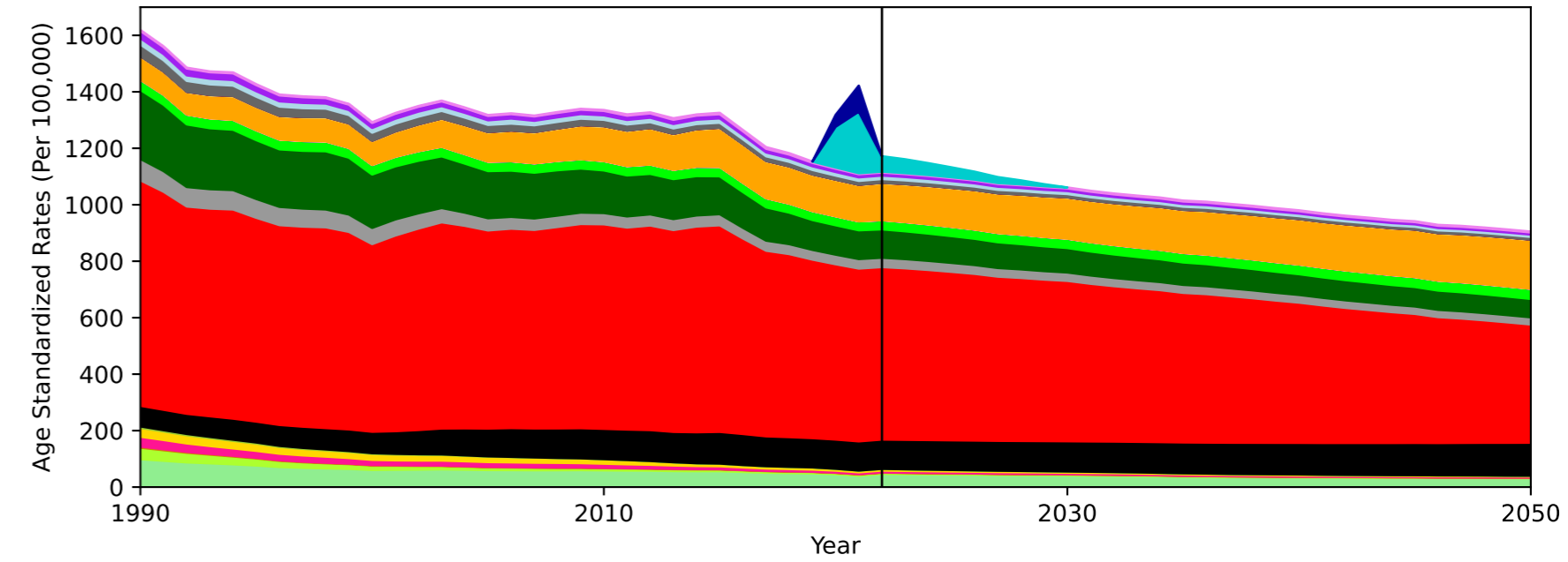
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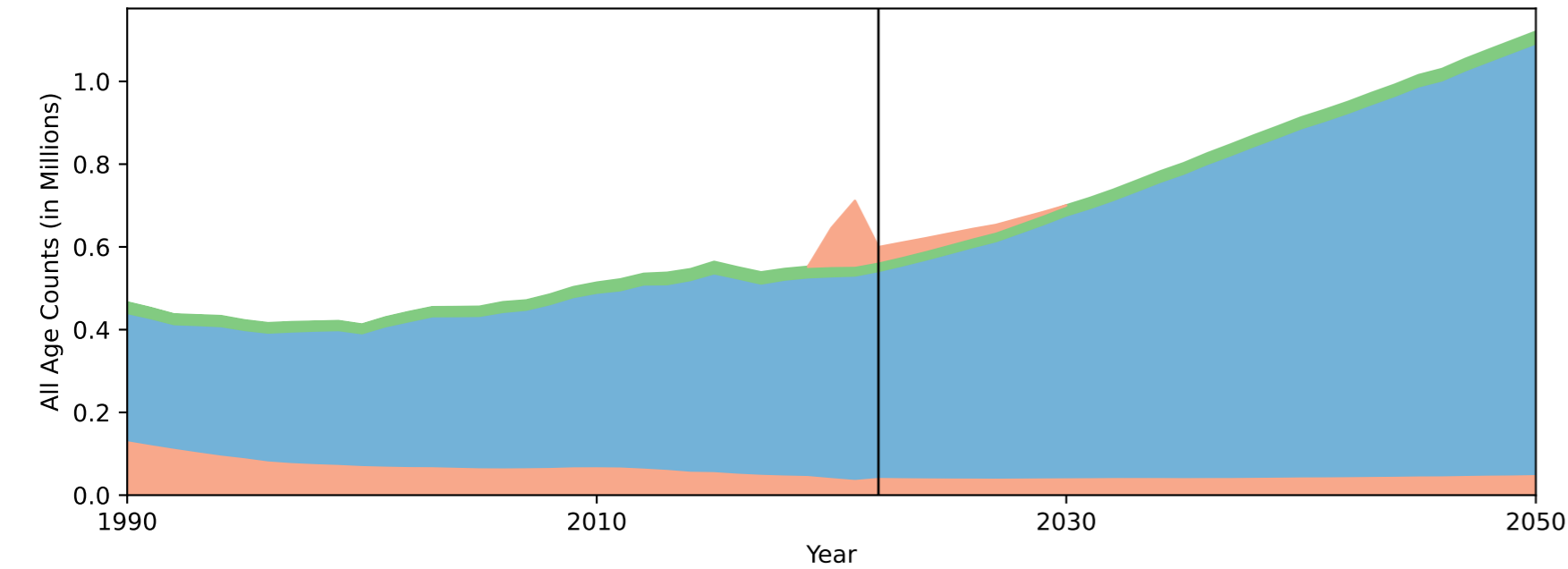
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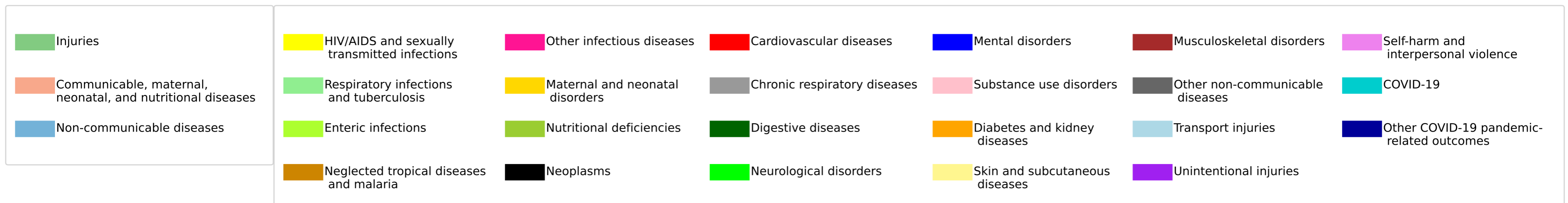
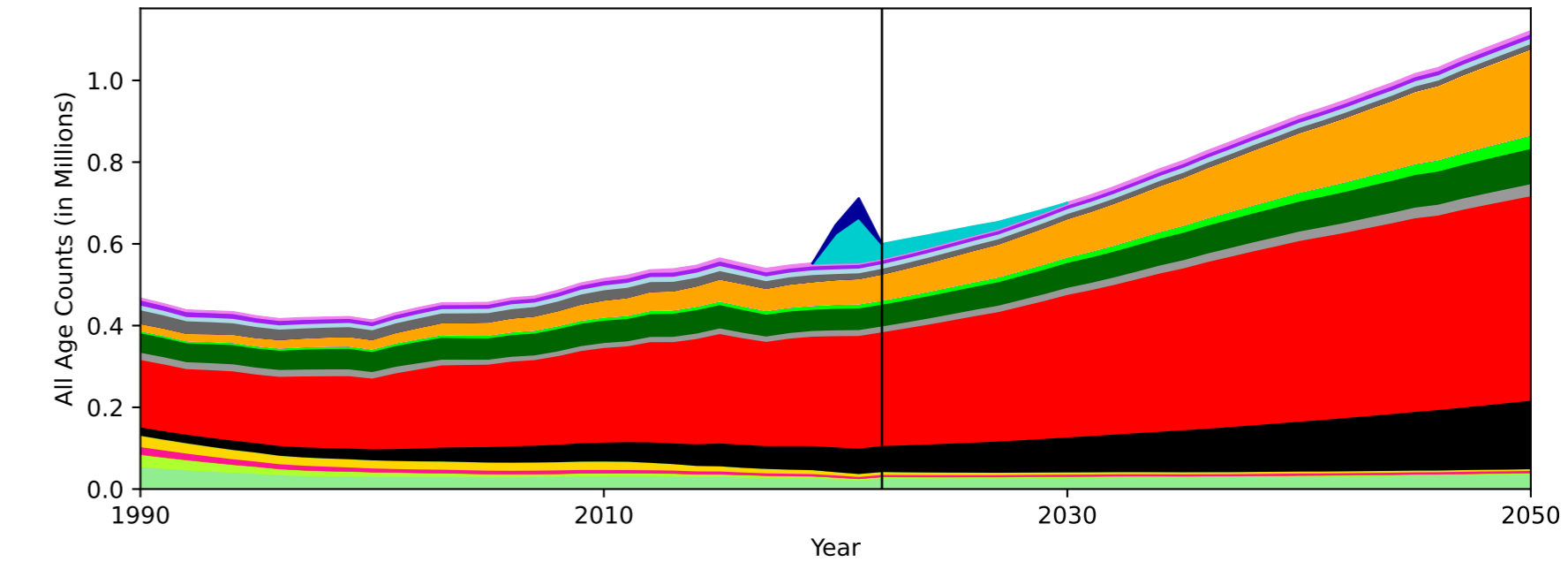
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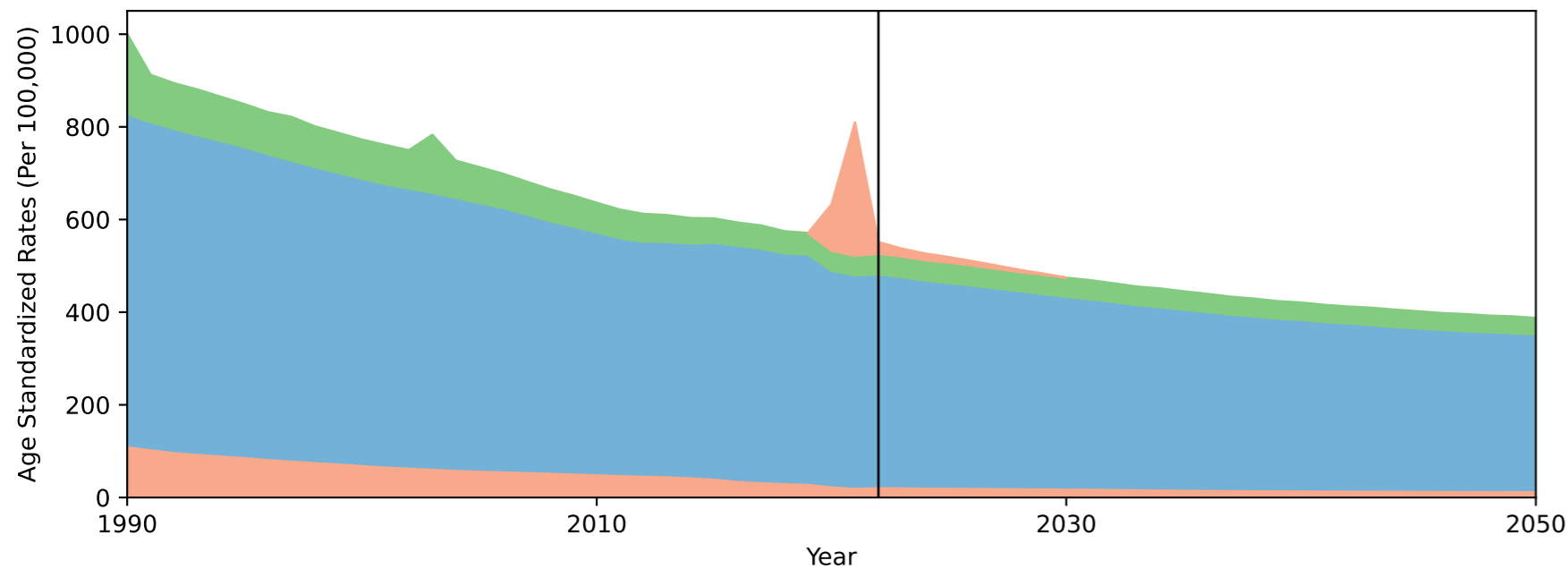
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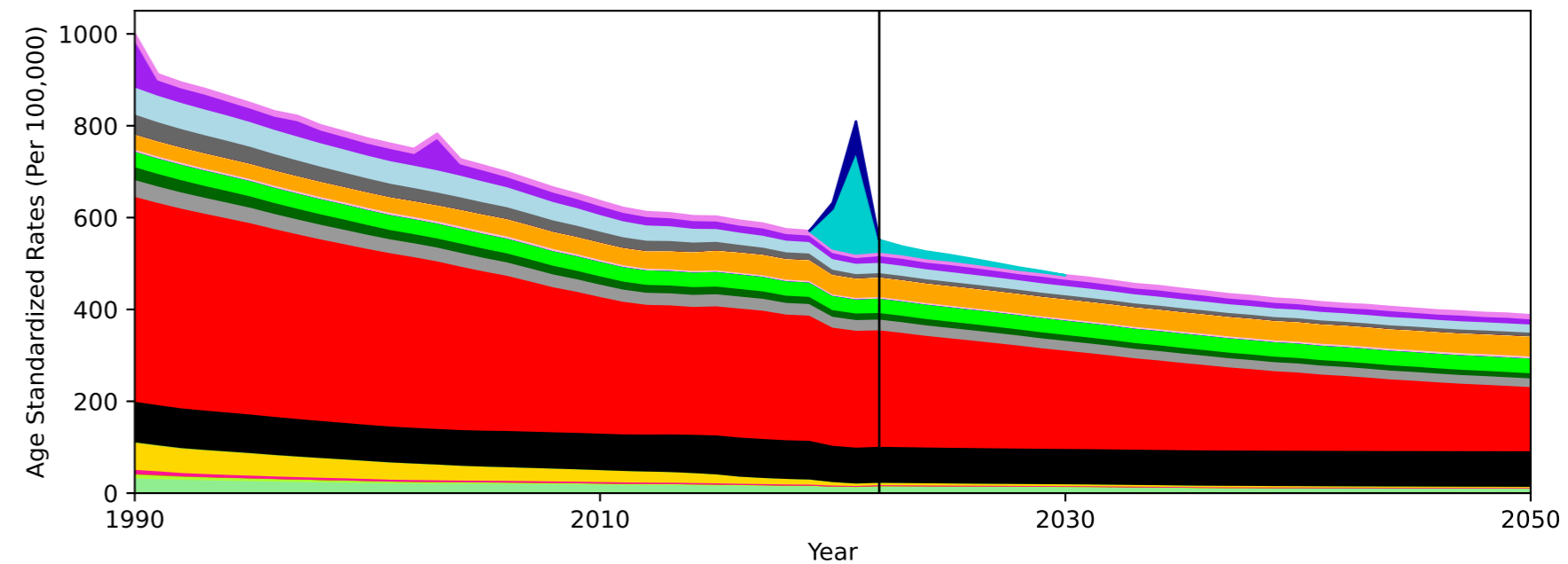
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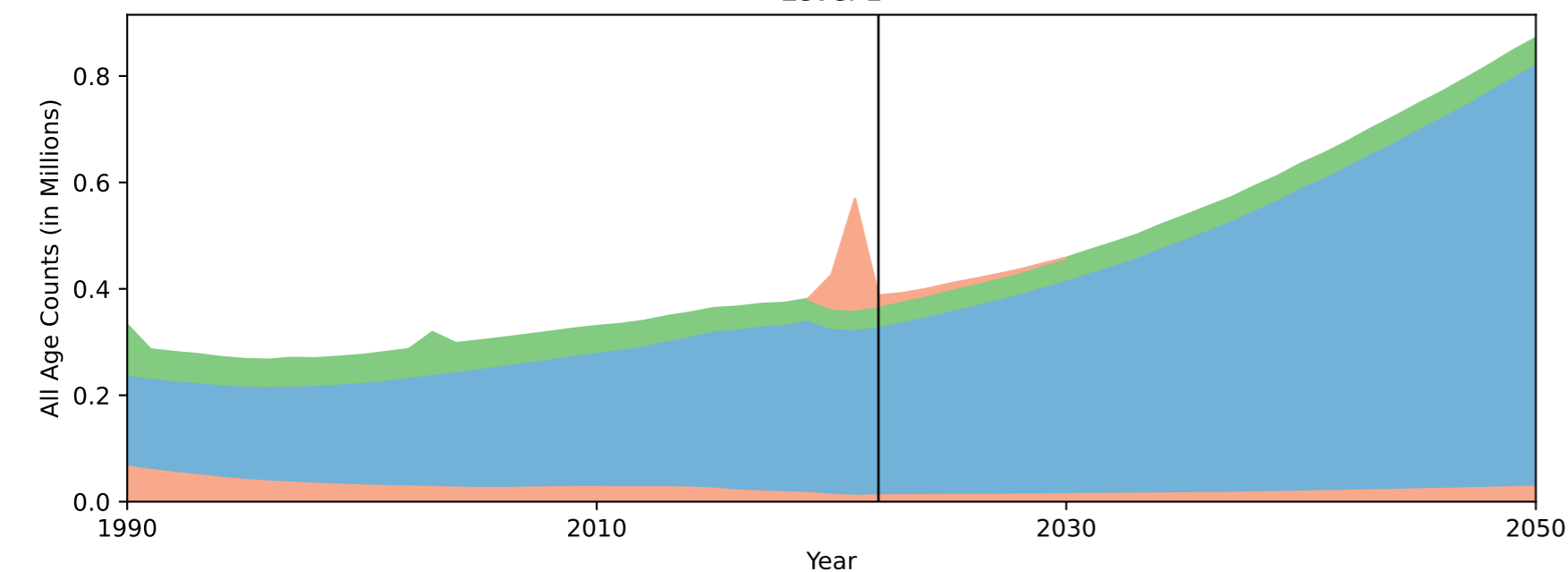
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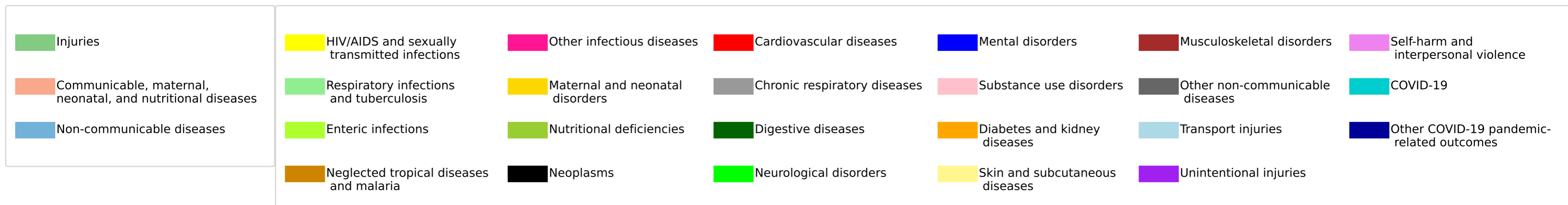
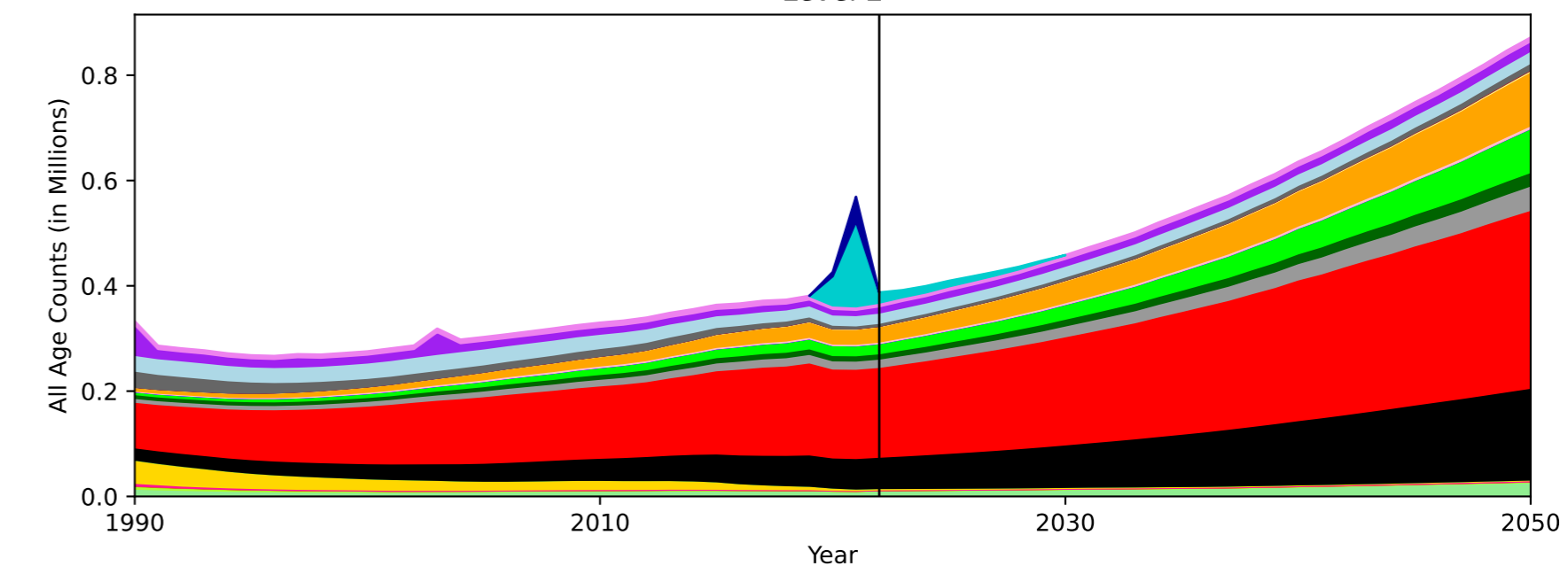
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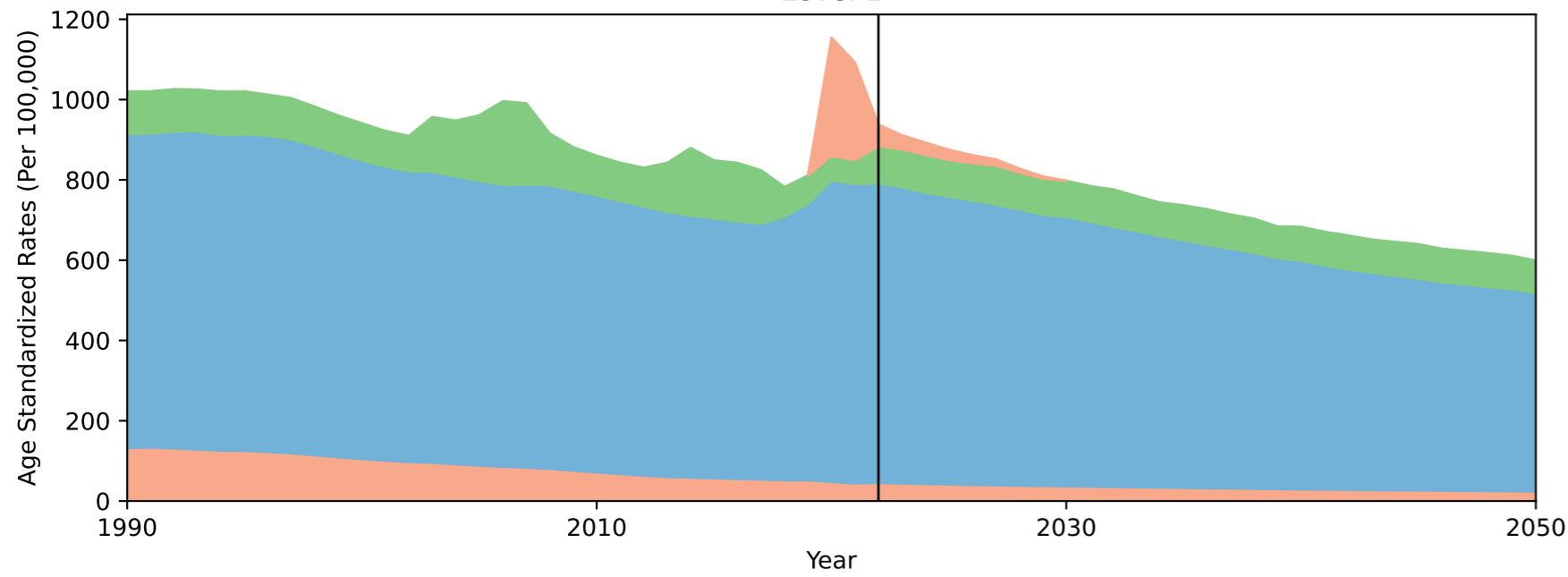
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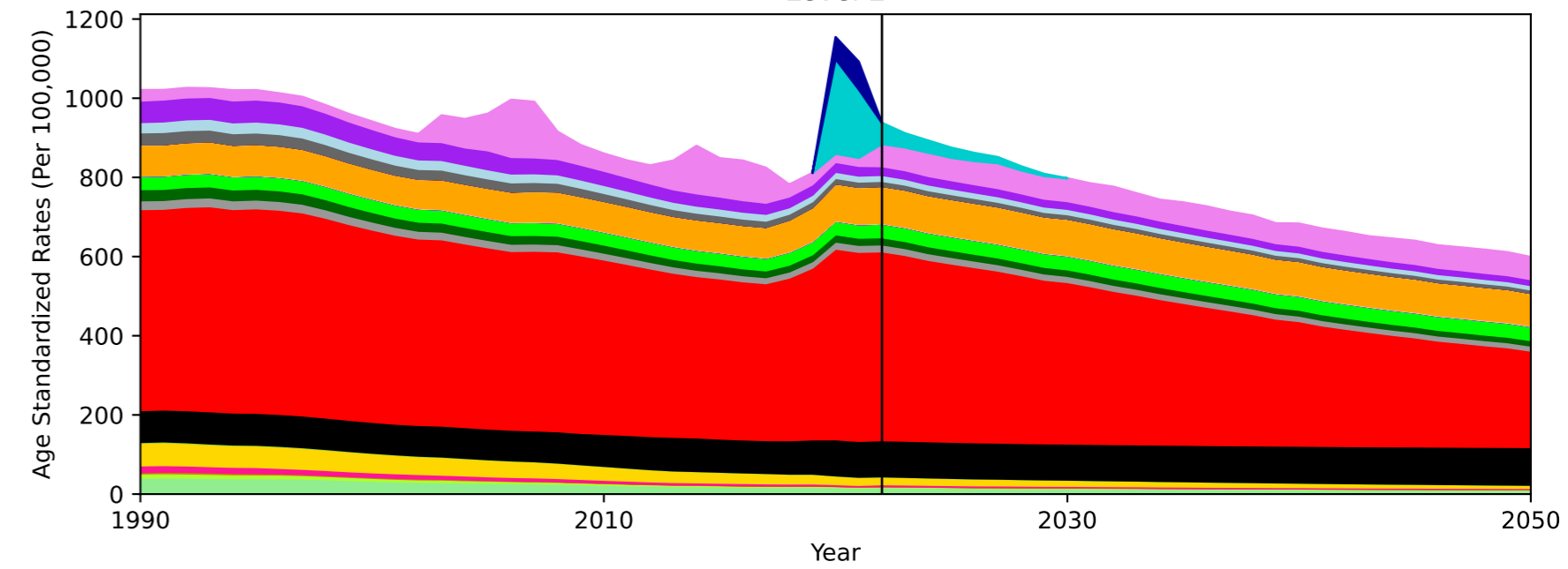
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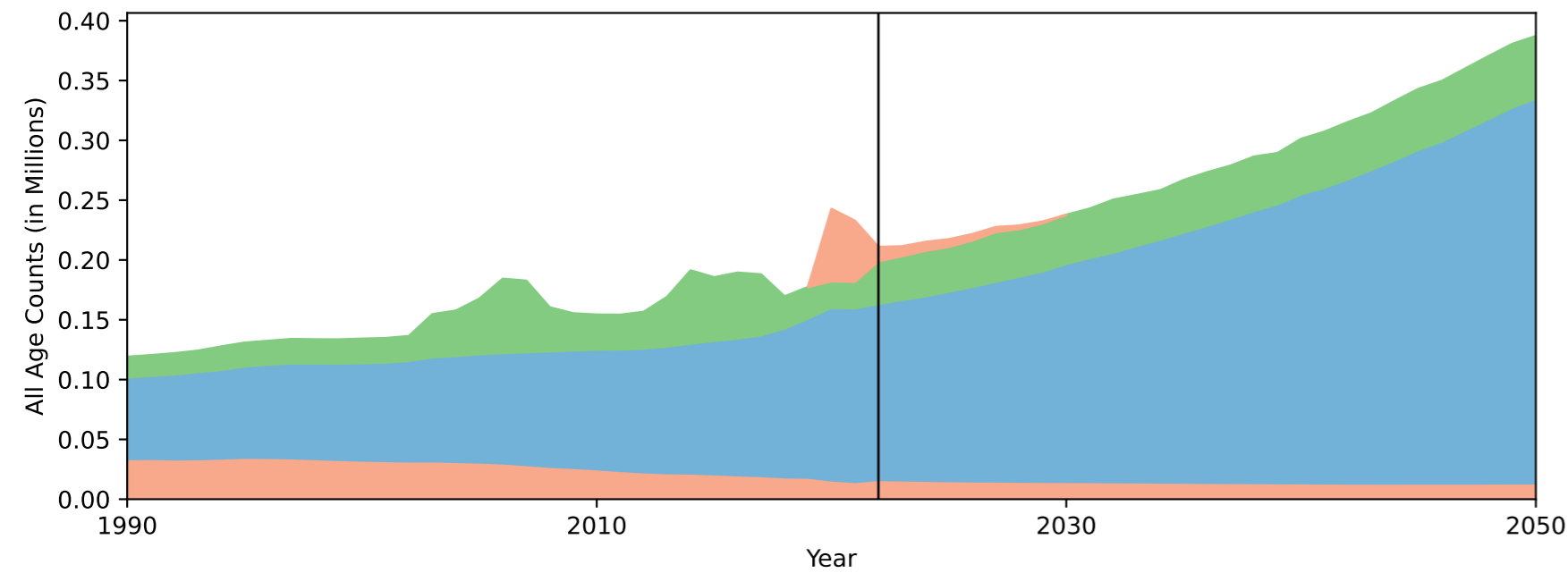
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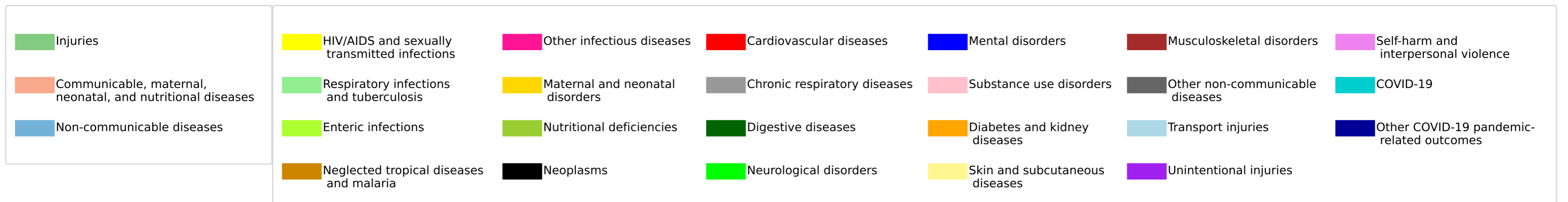
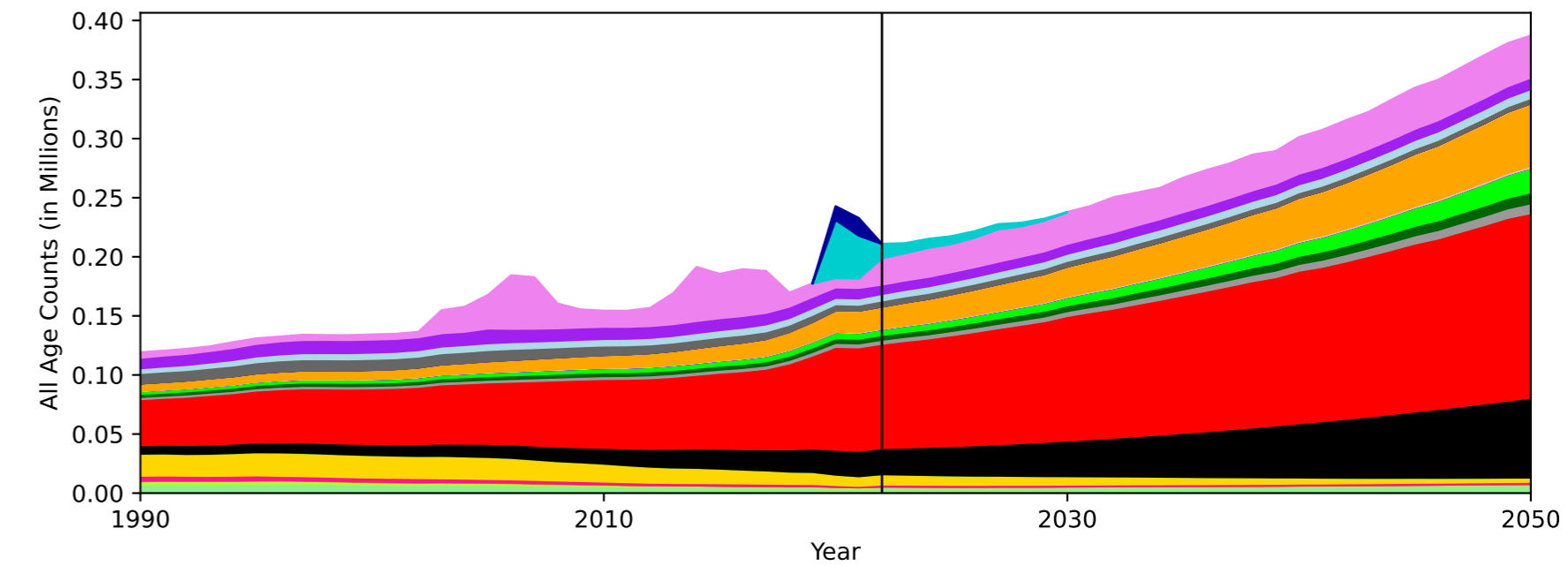
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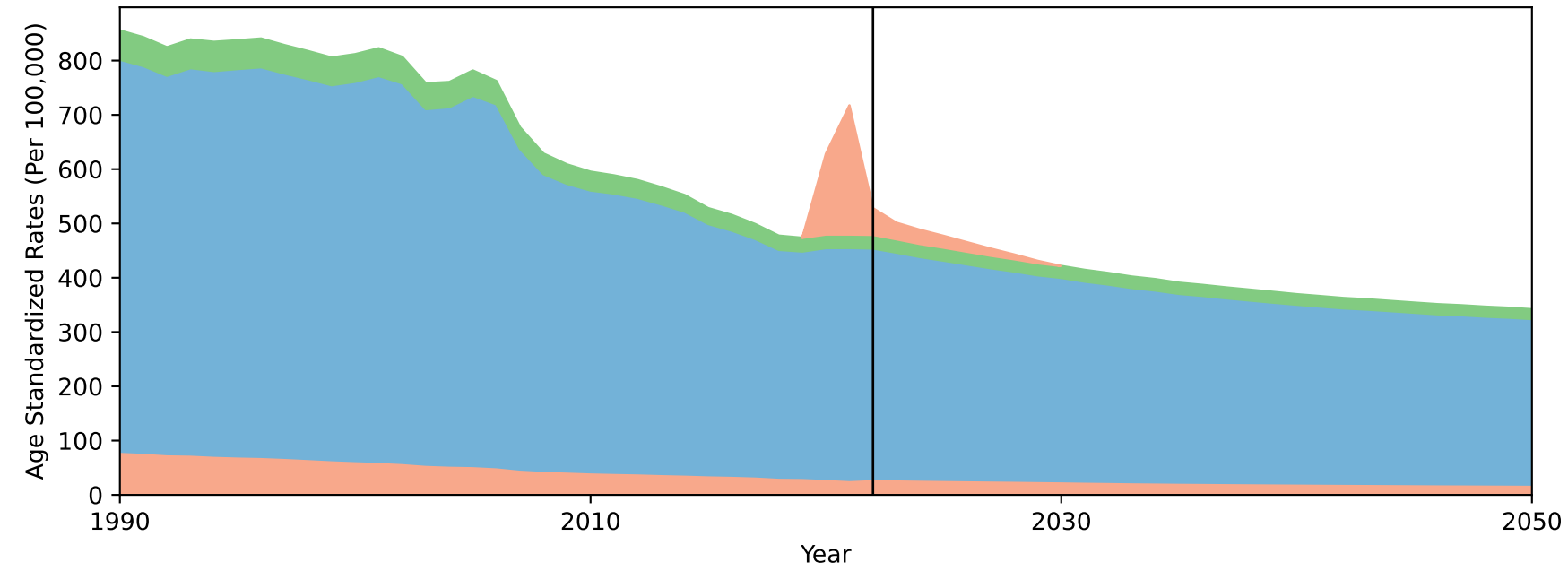
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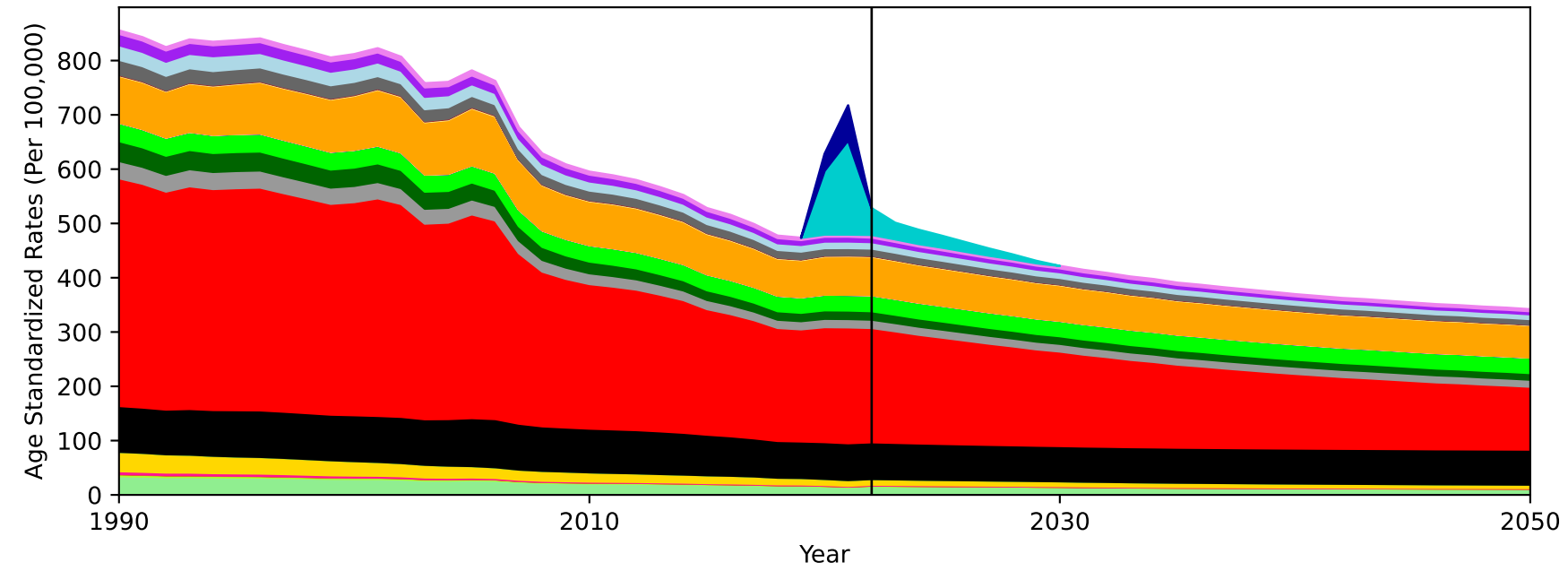
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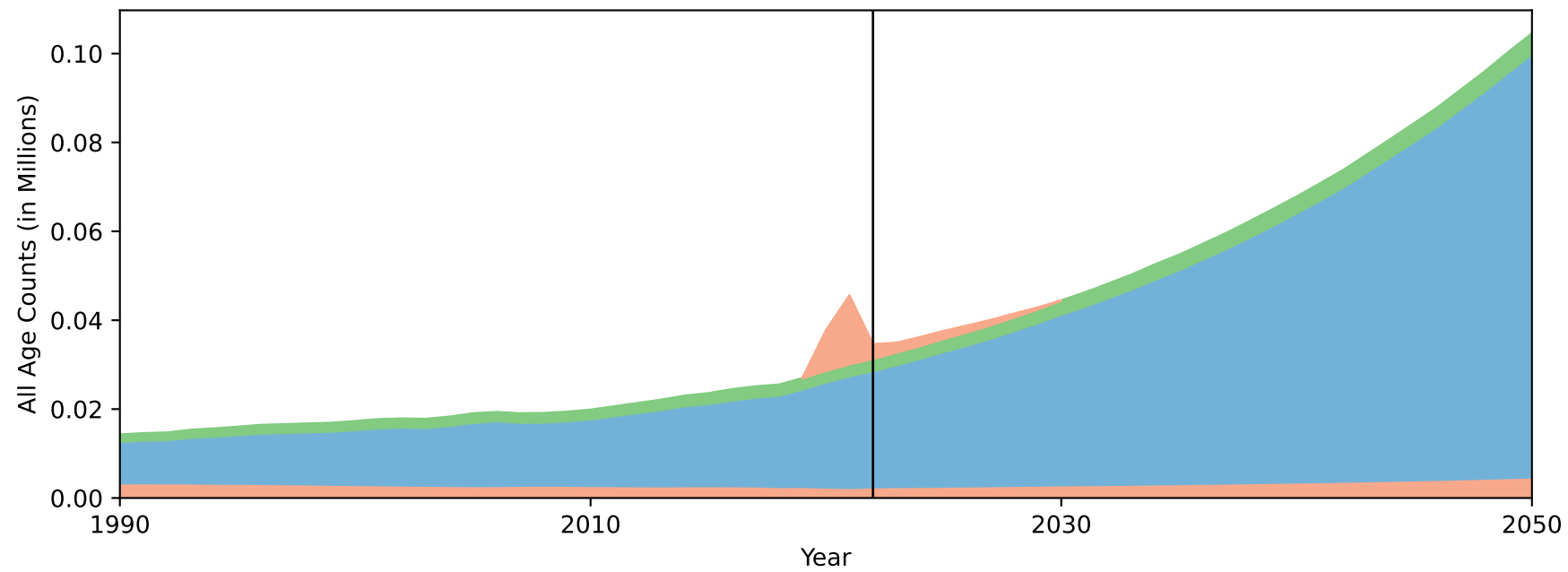
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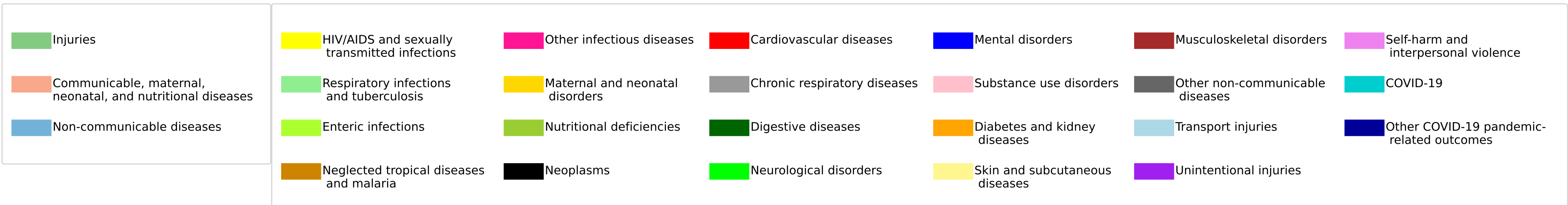
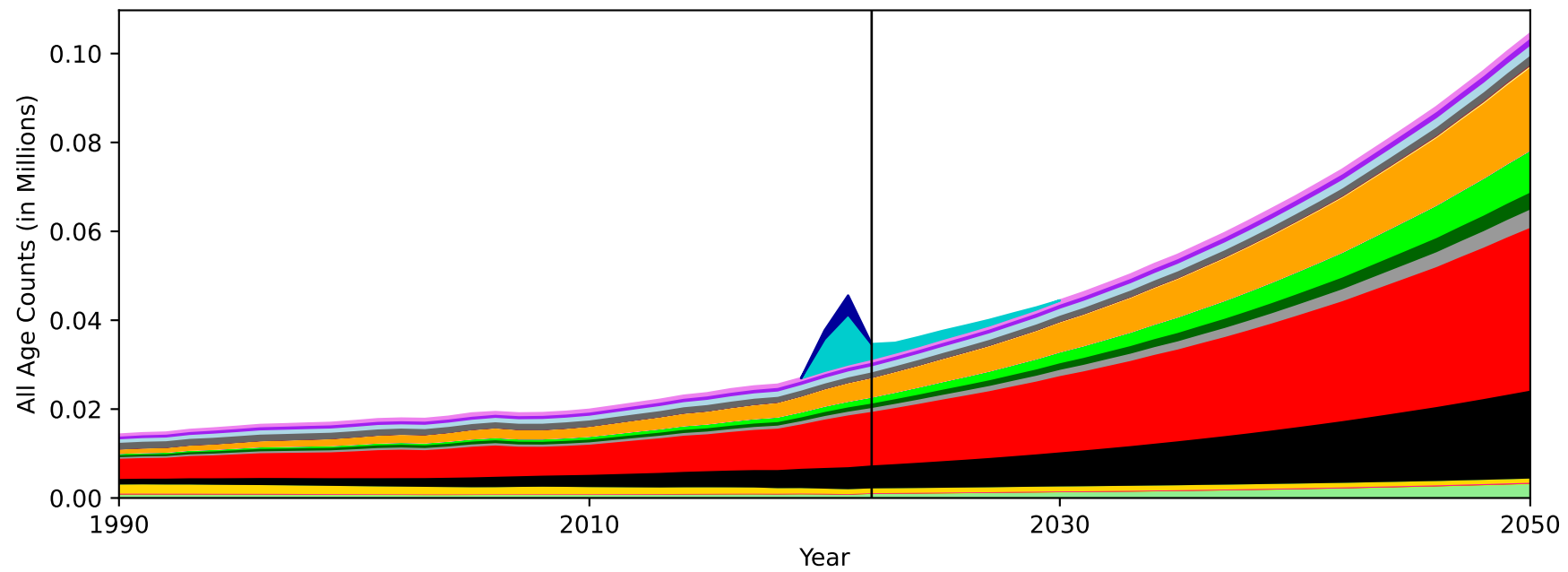
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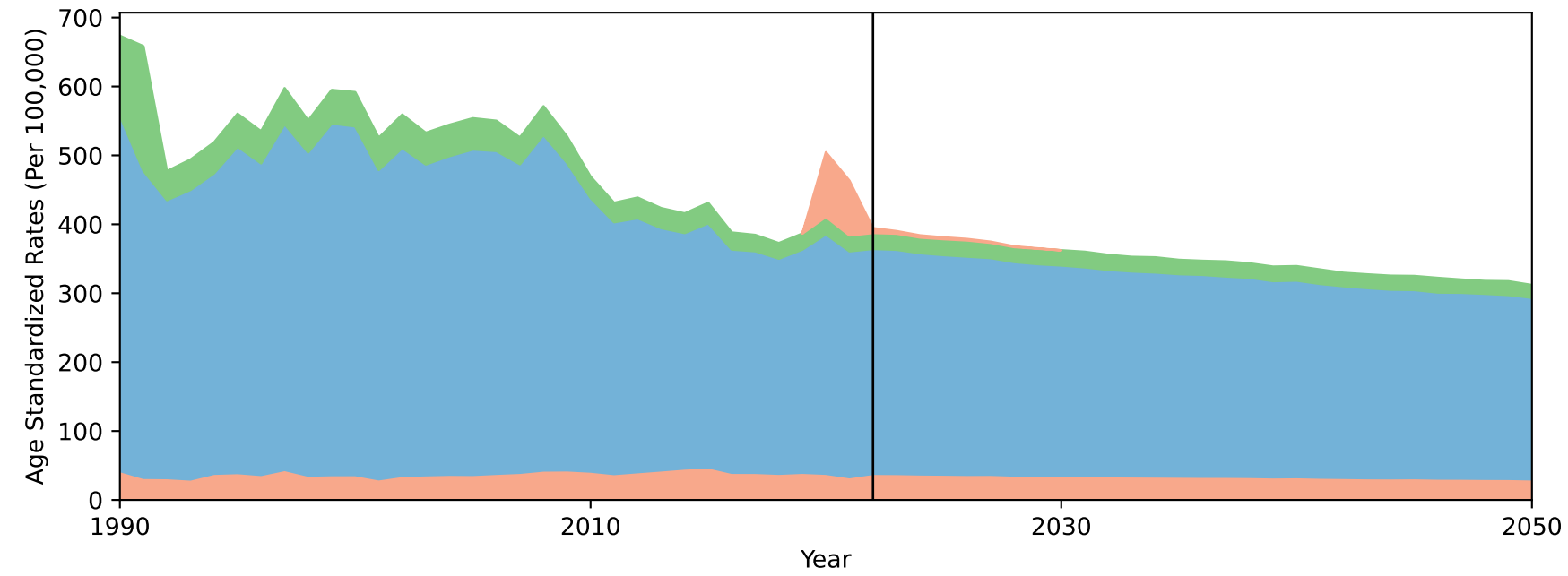
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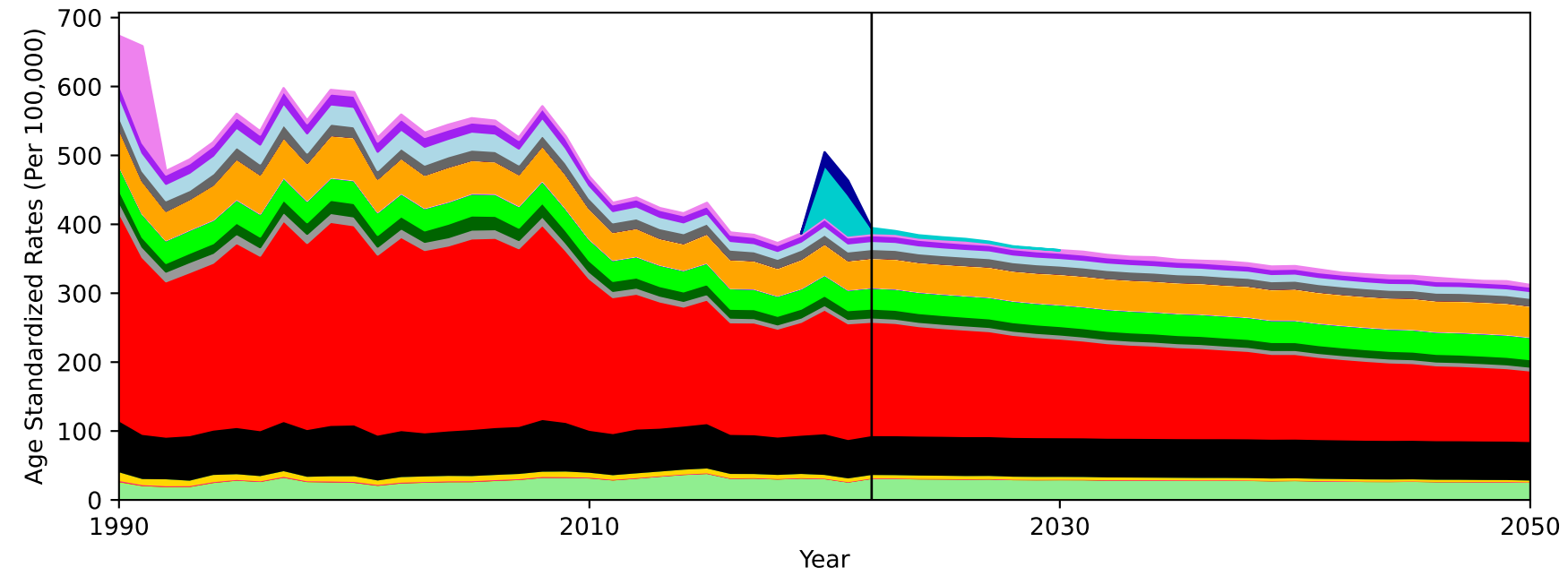
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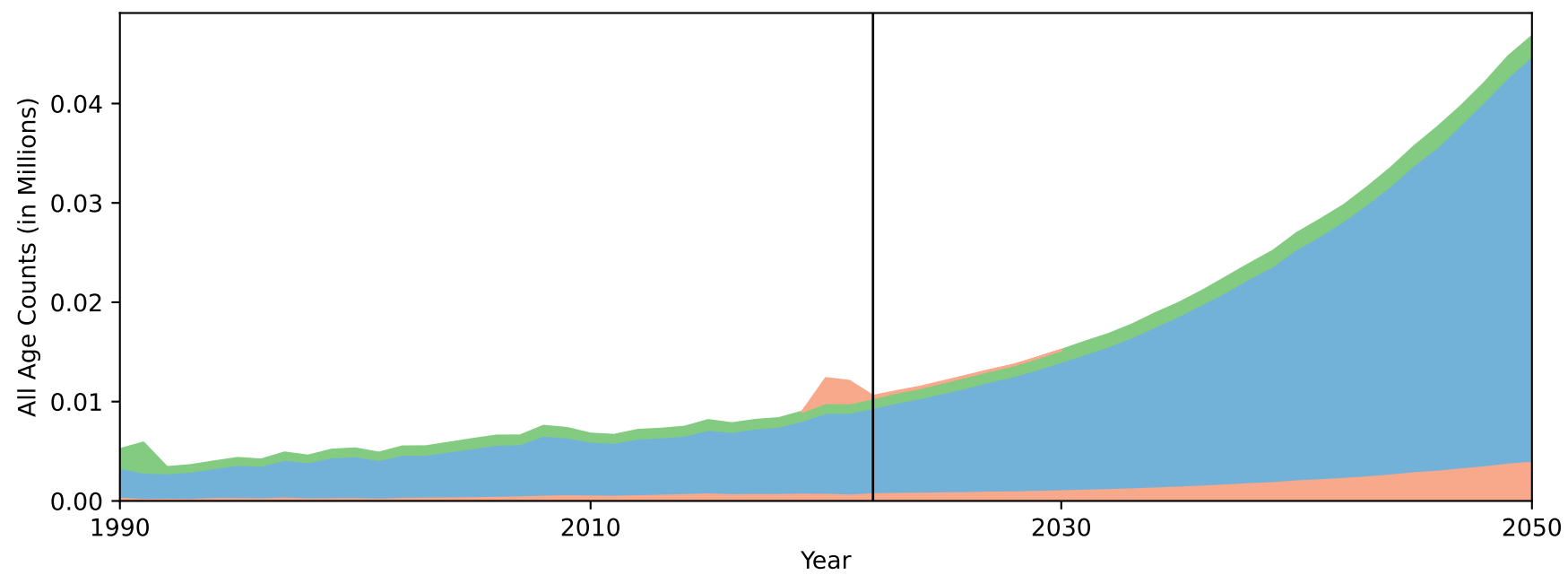
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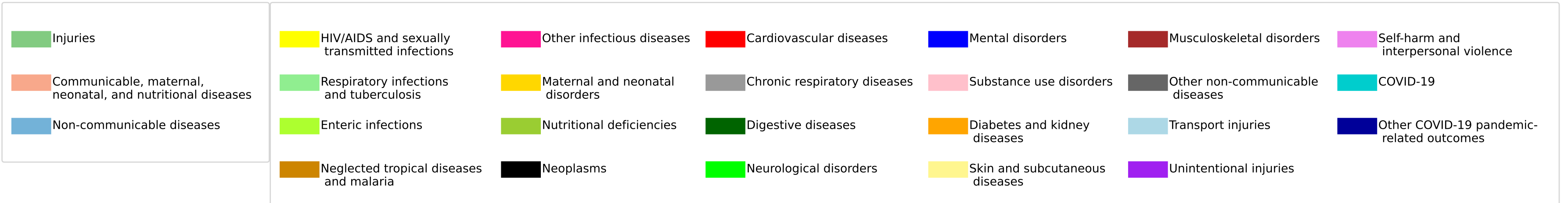
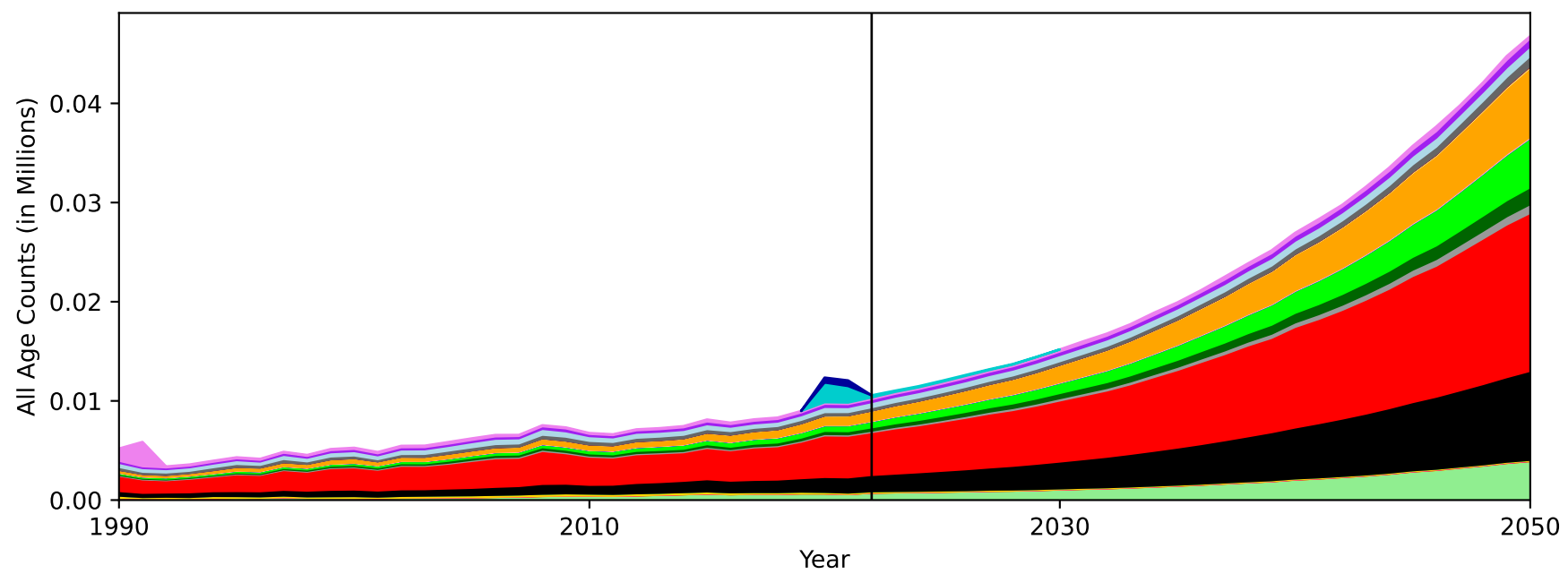
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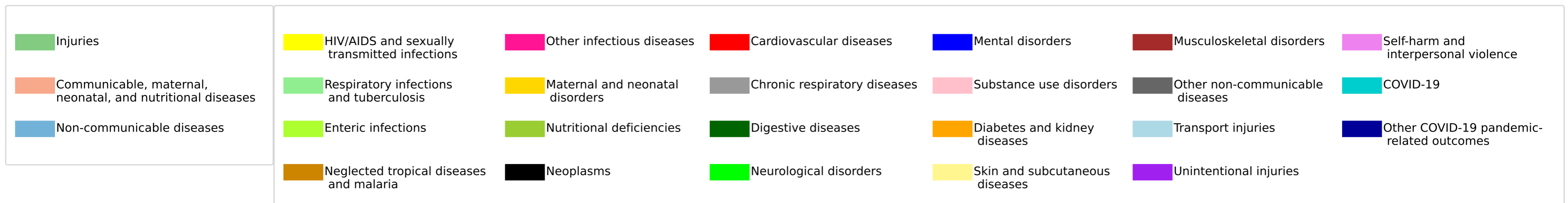
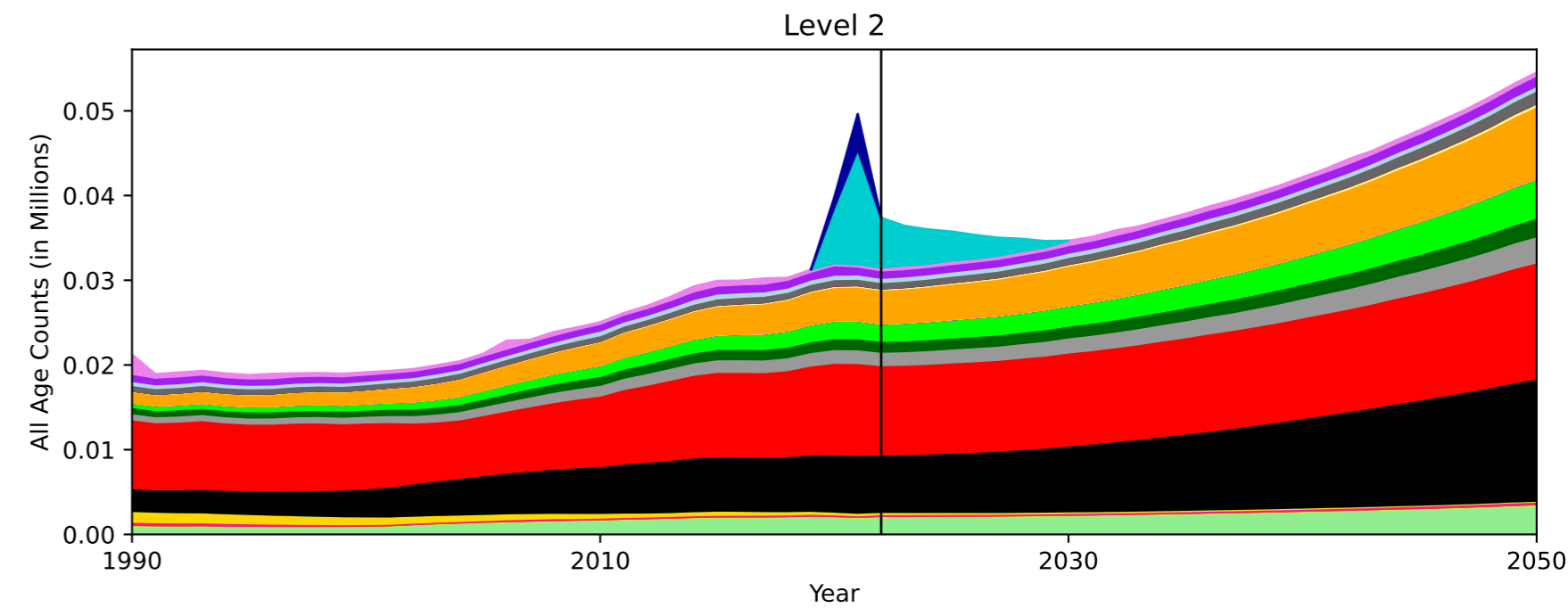
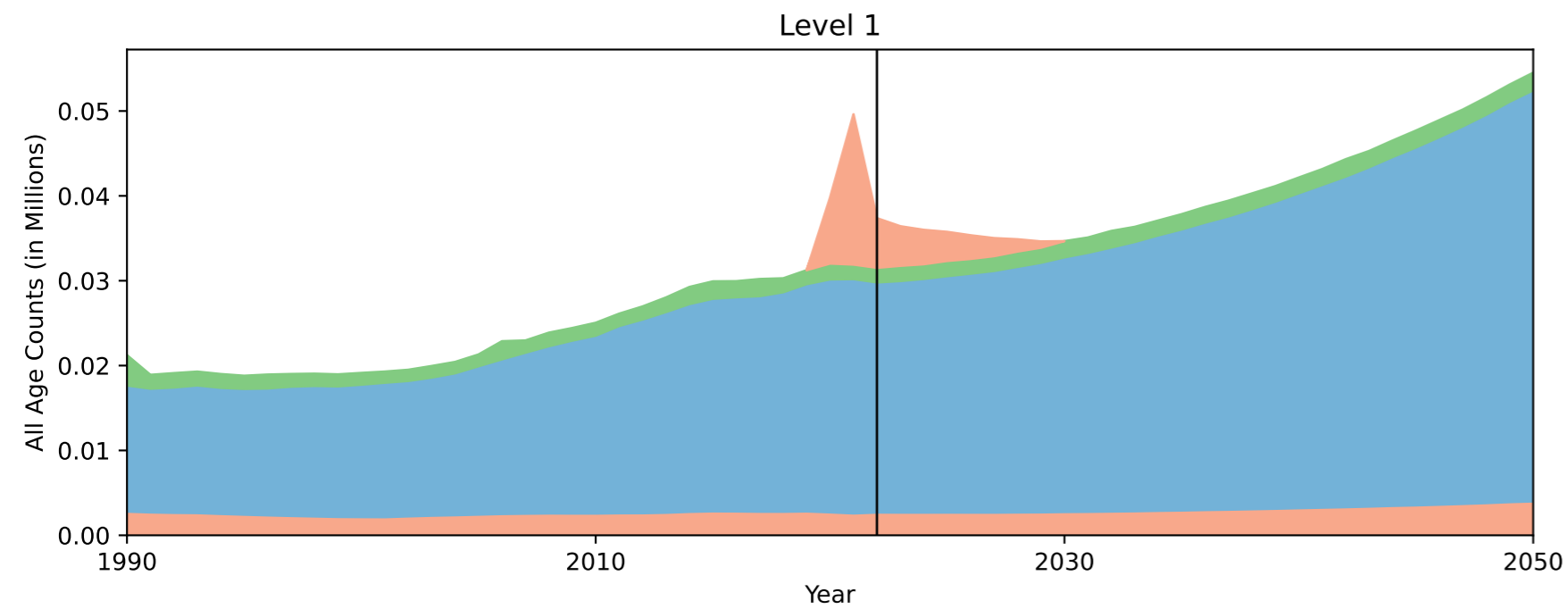
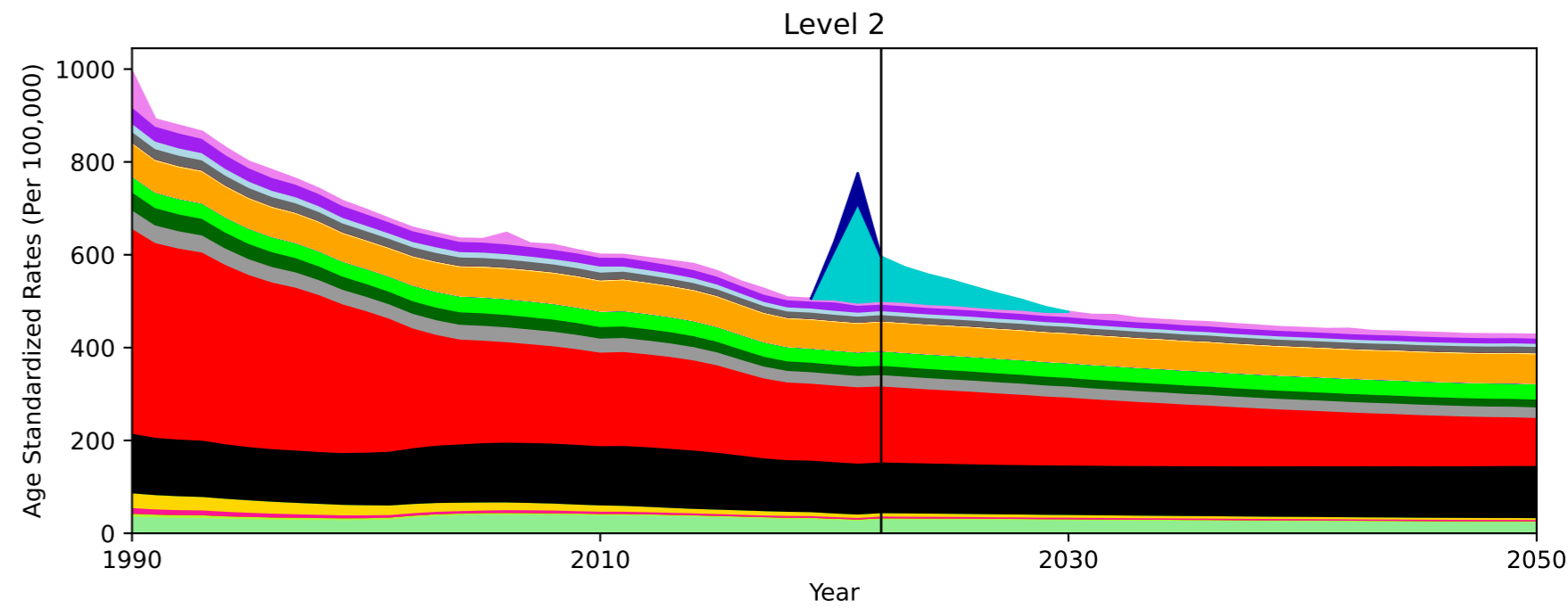
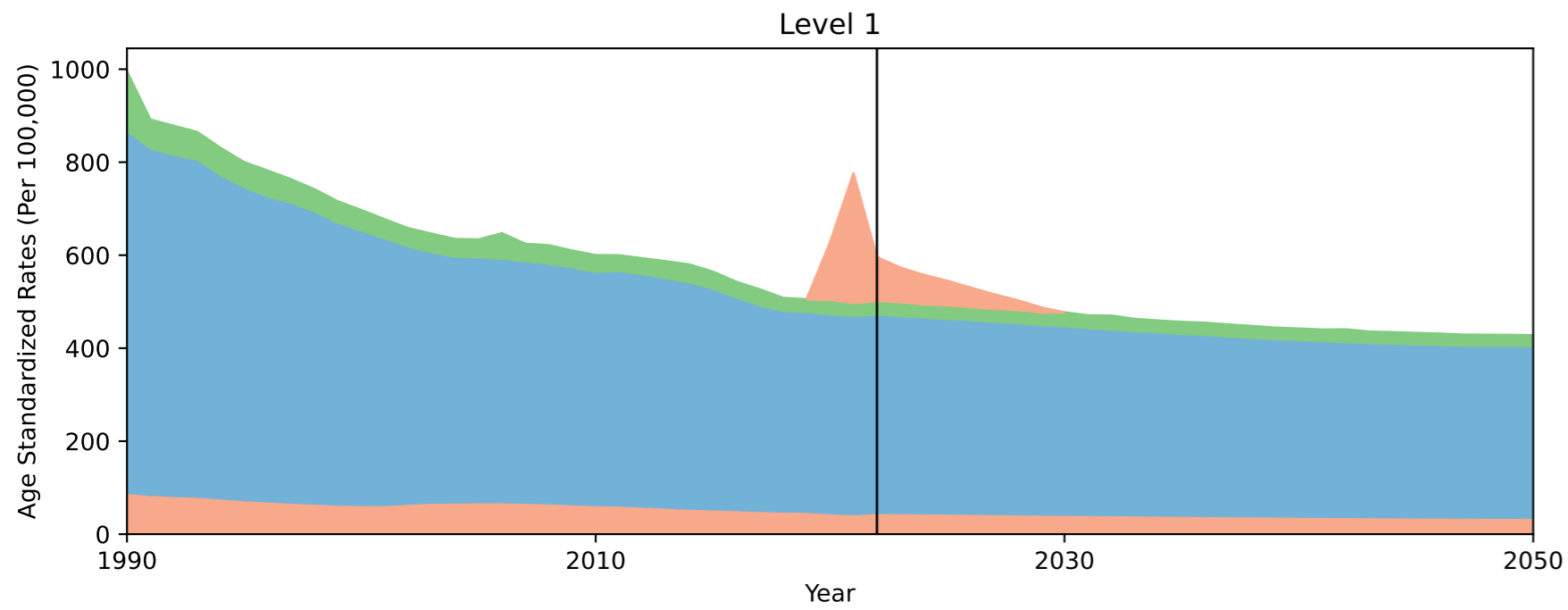


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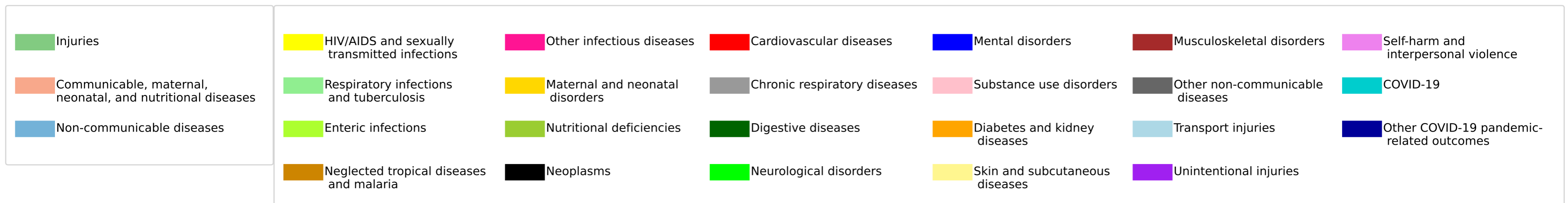
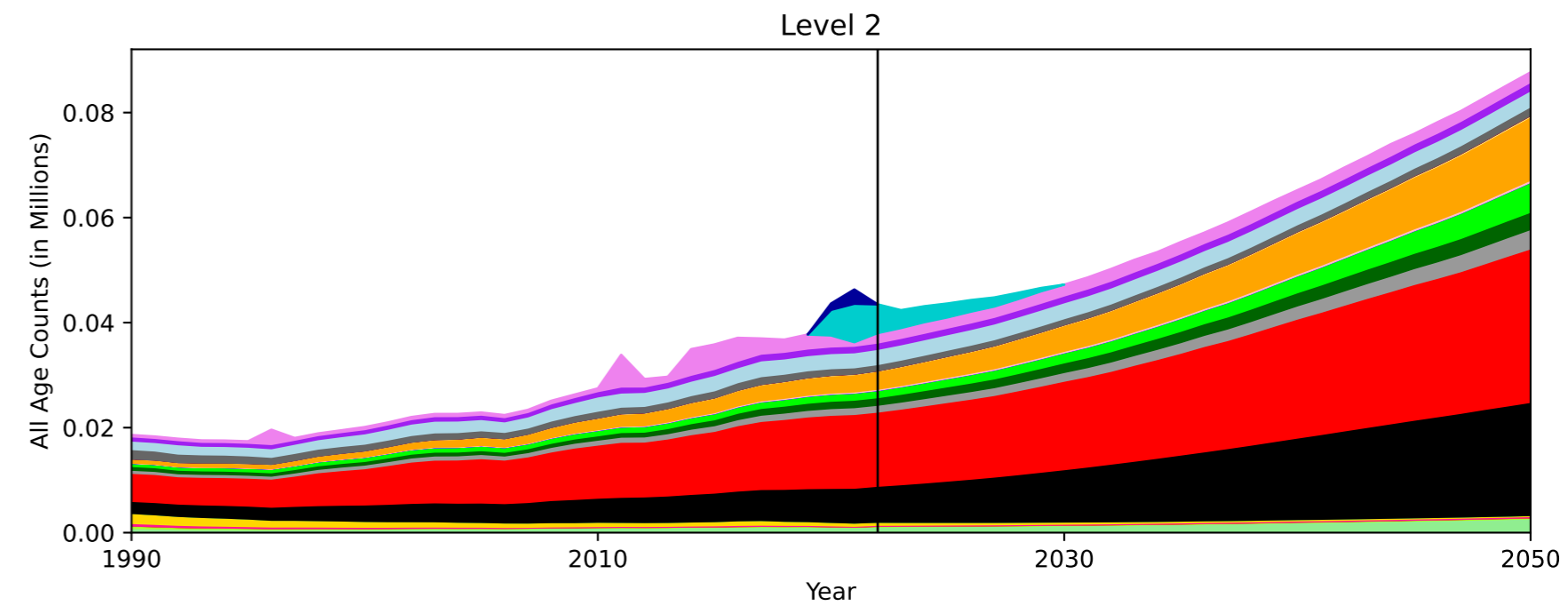
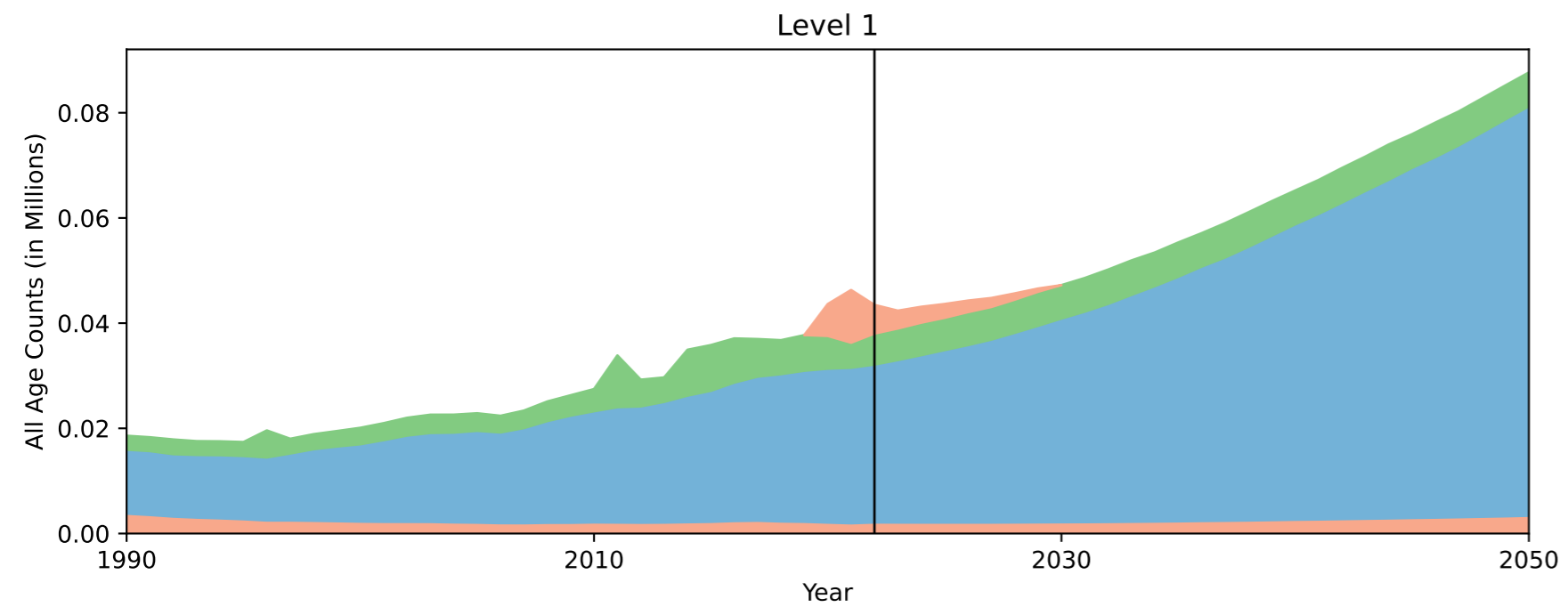
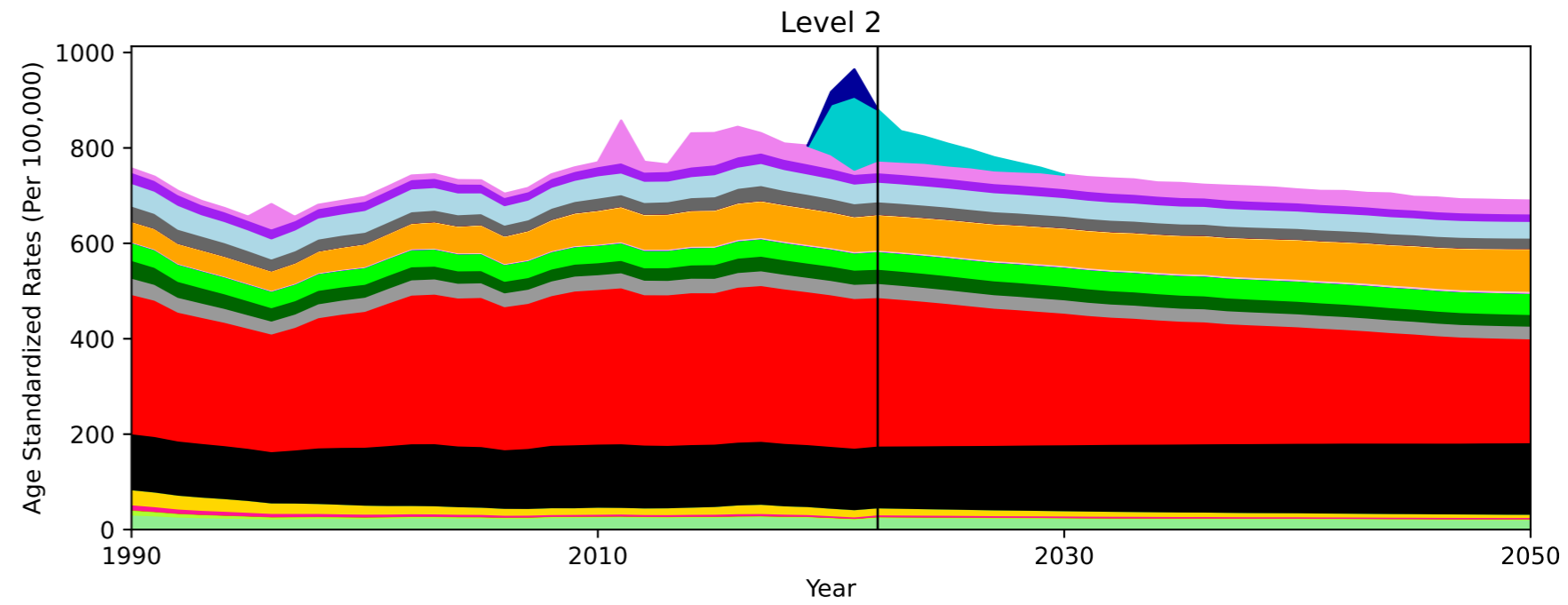
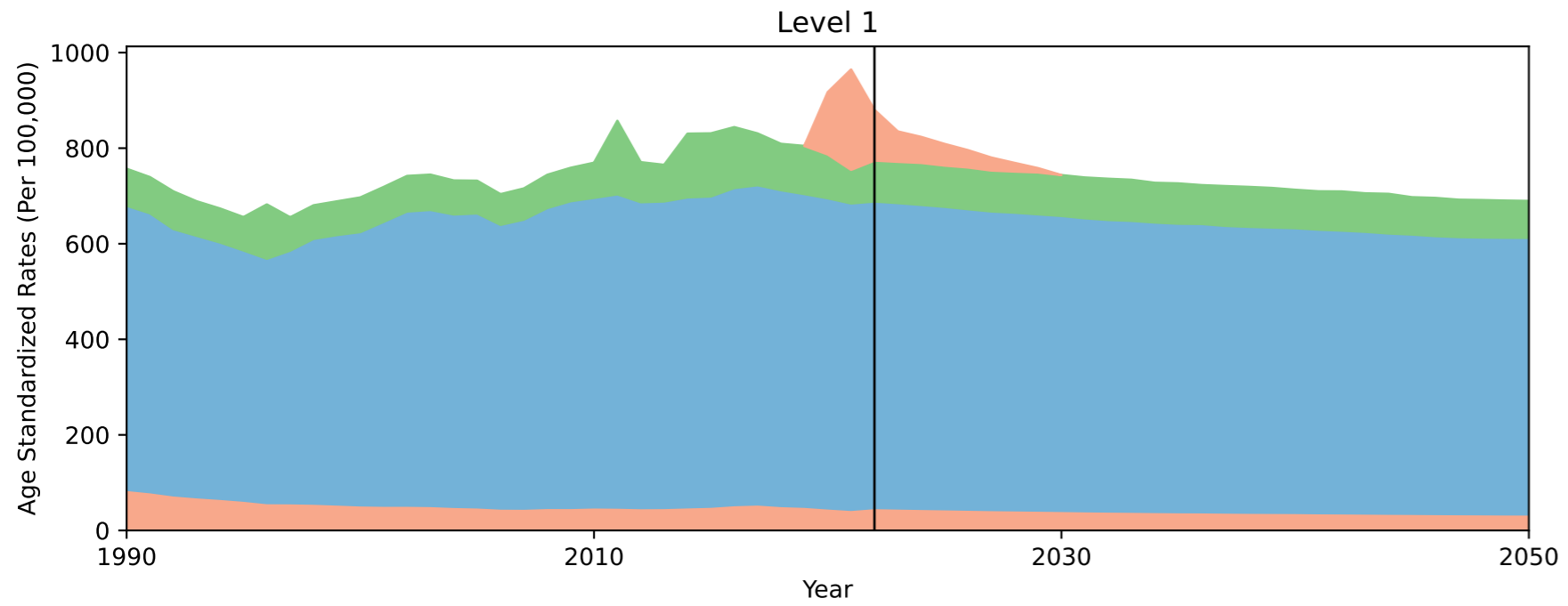




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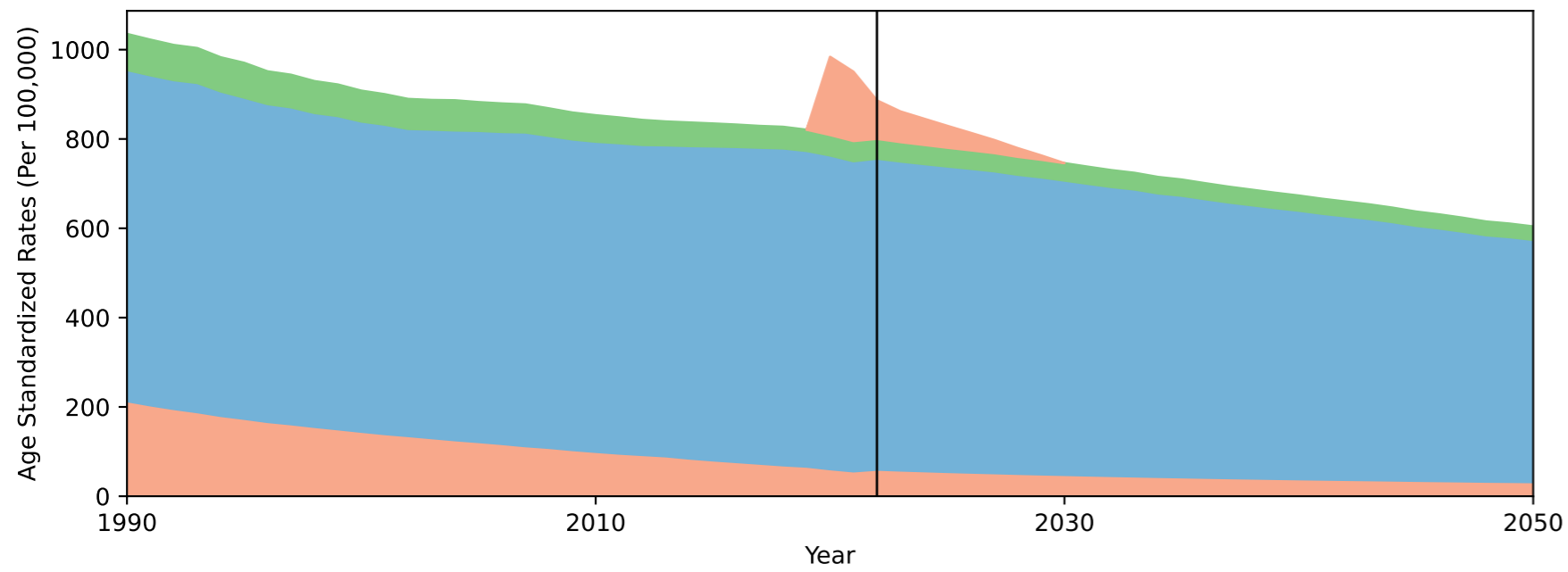


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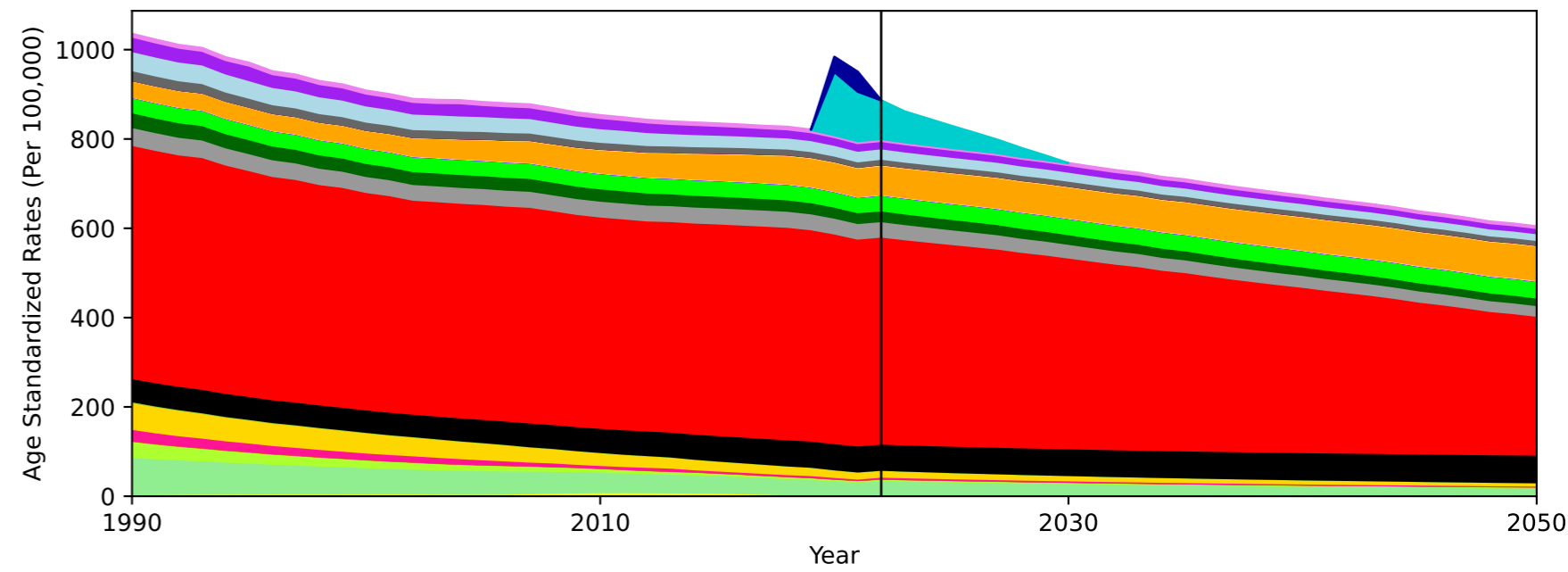


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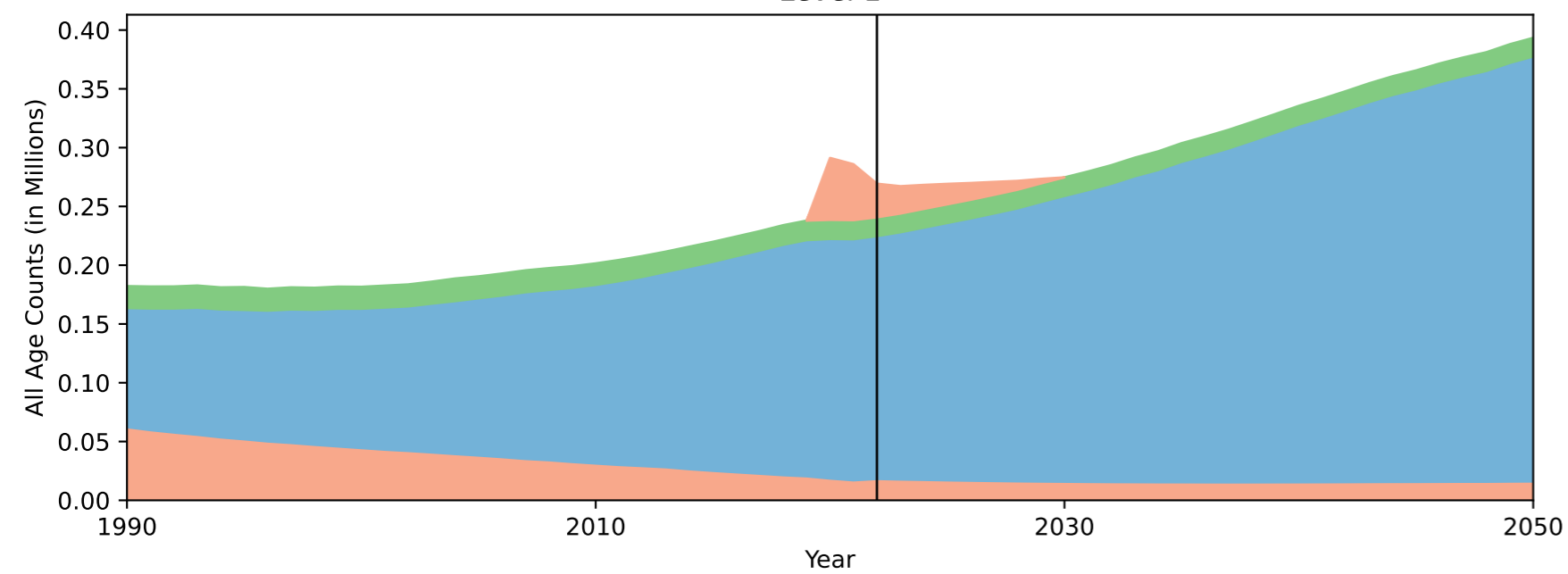
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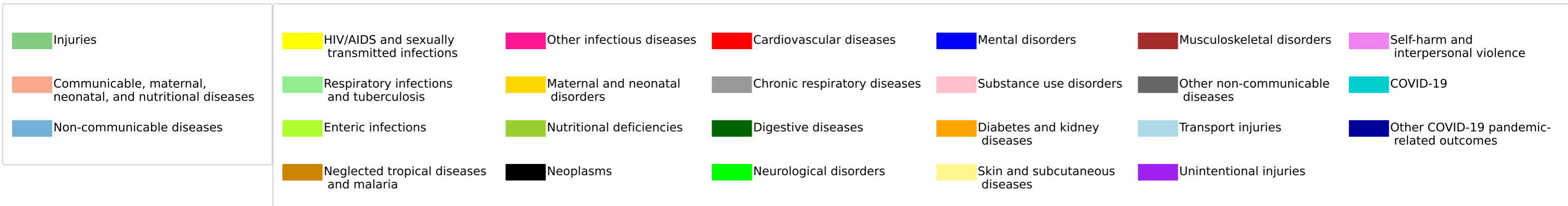
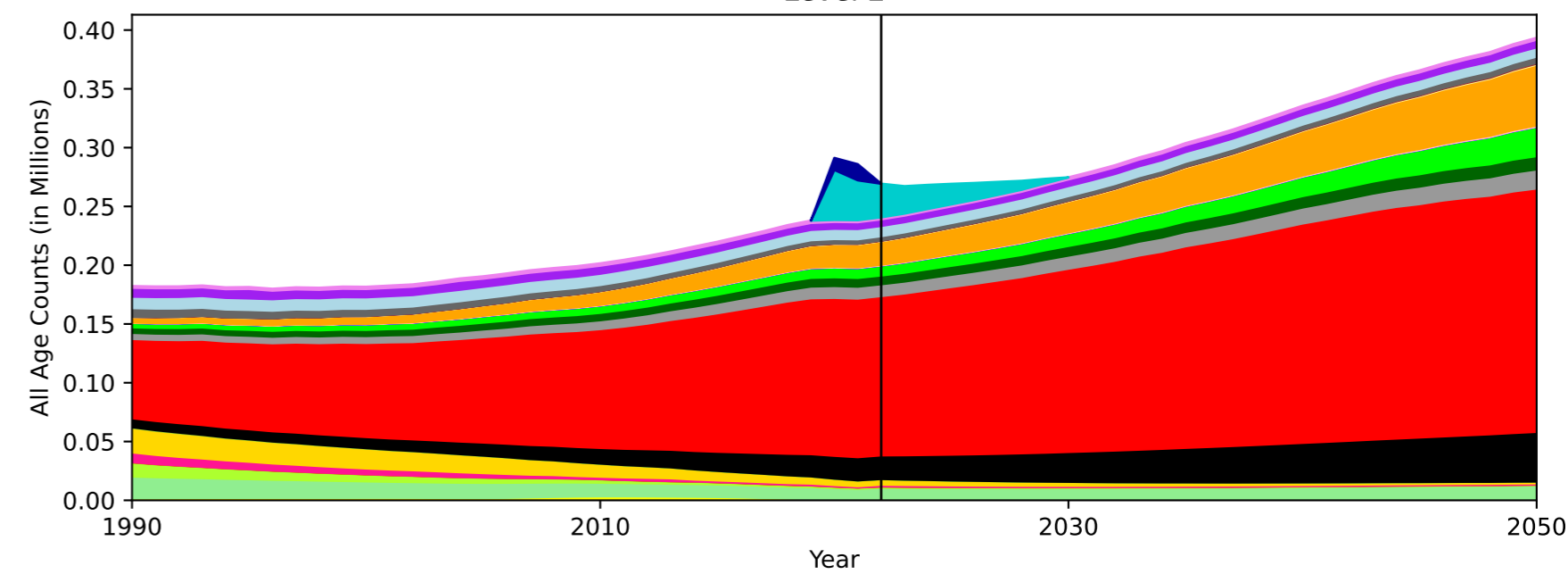
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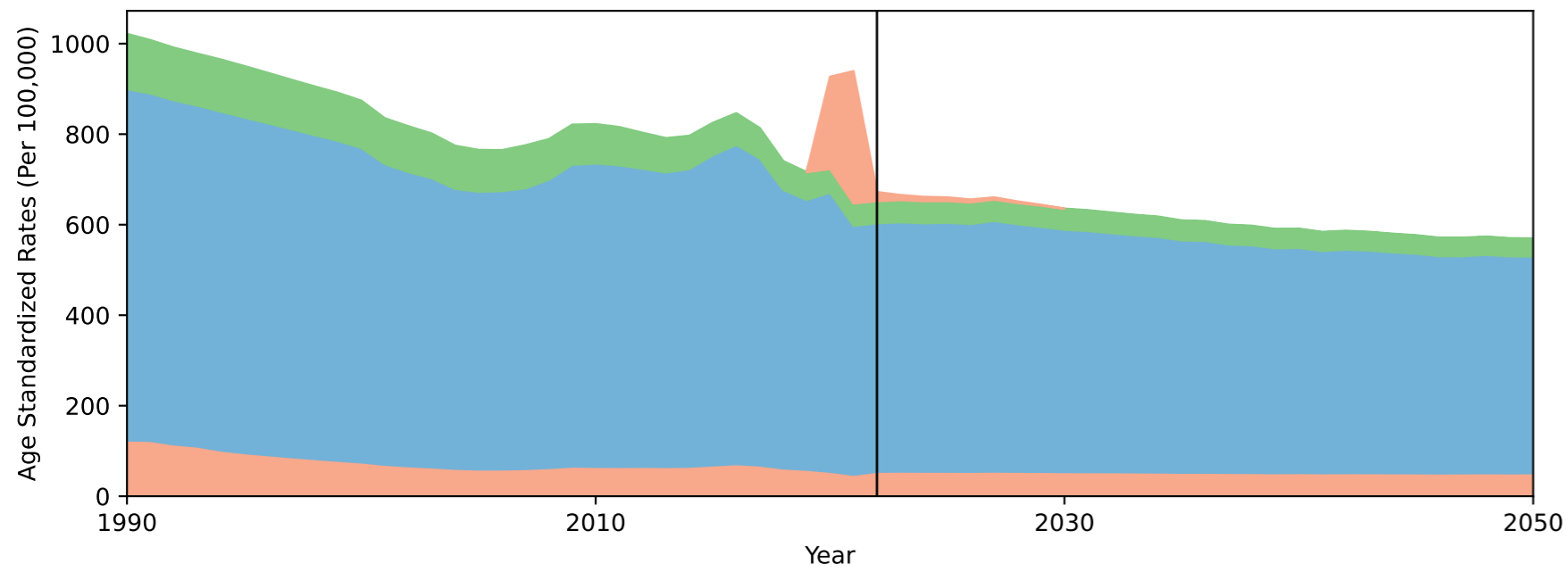


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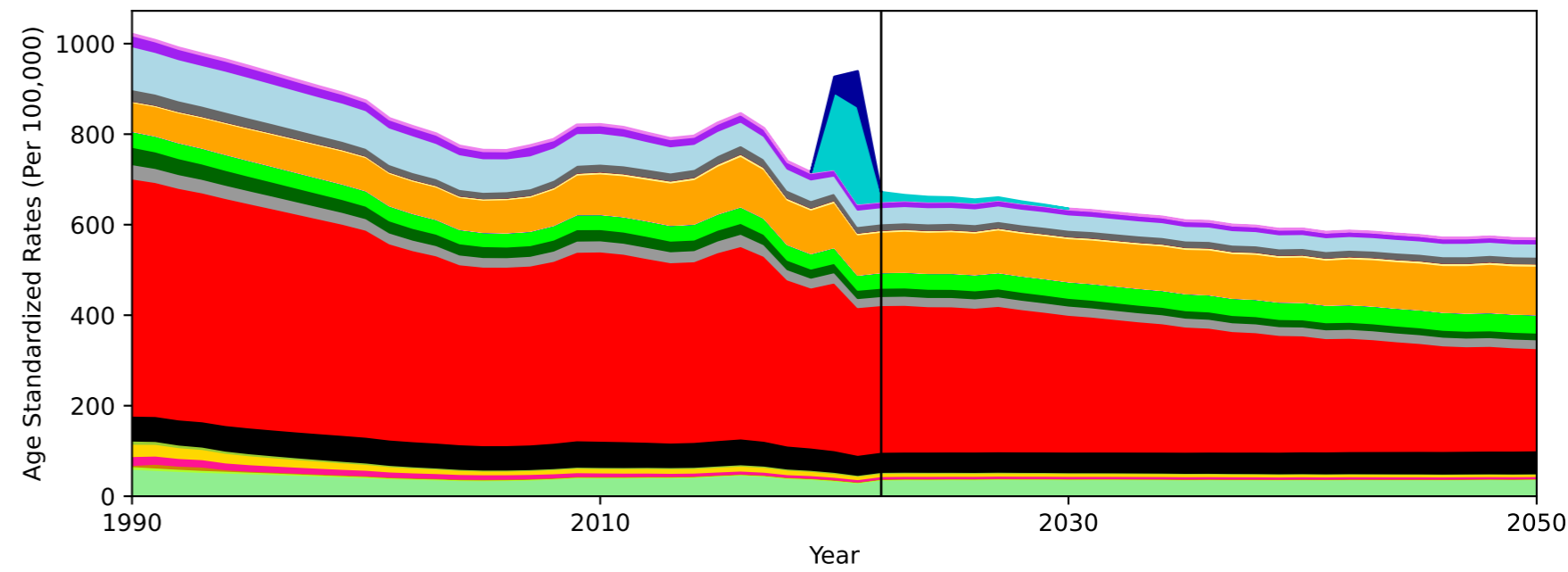


# Oman

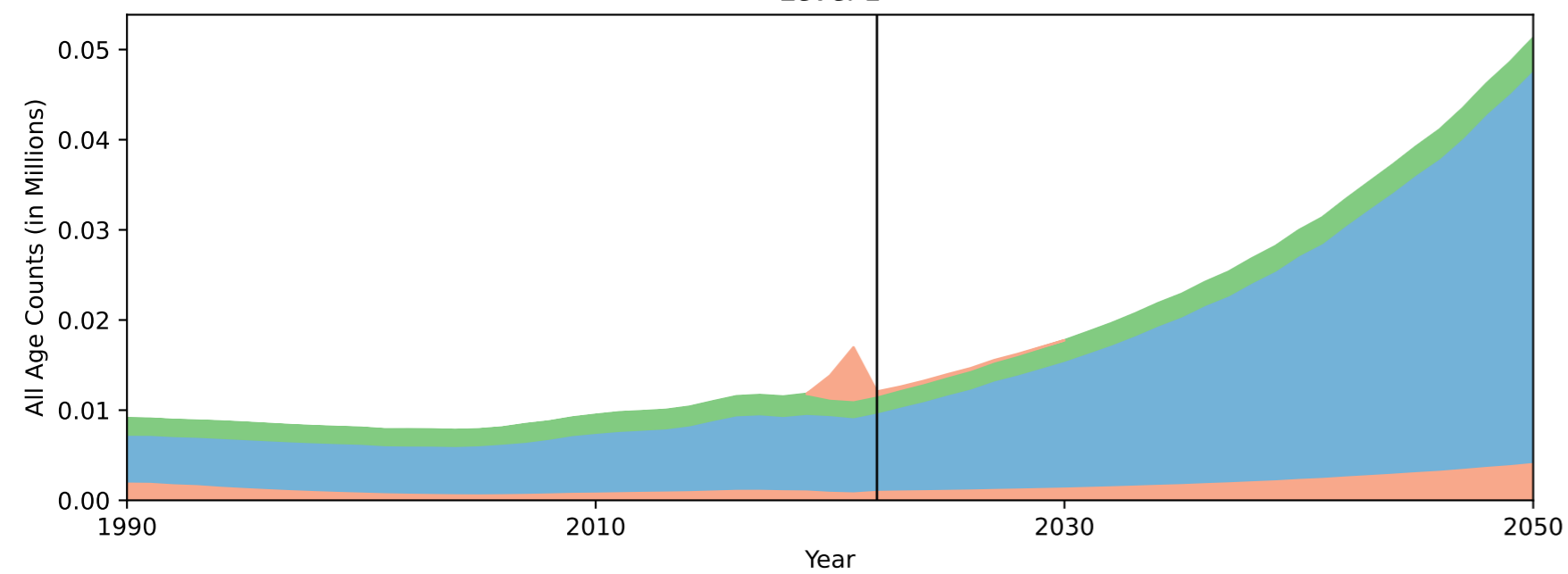
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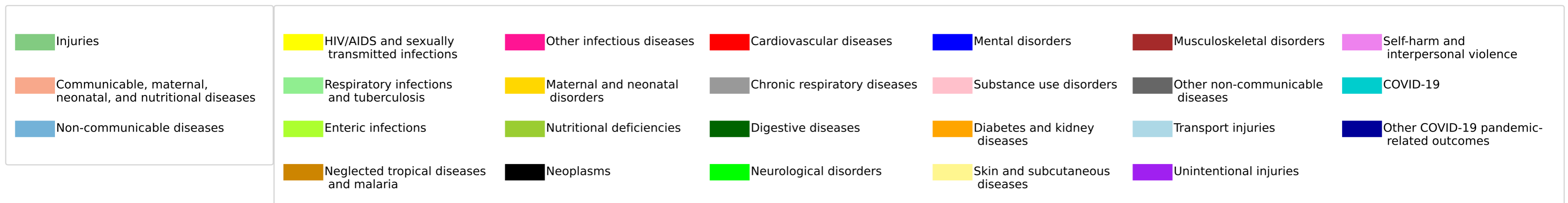
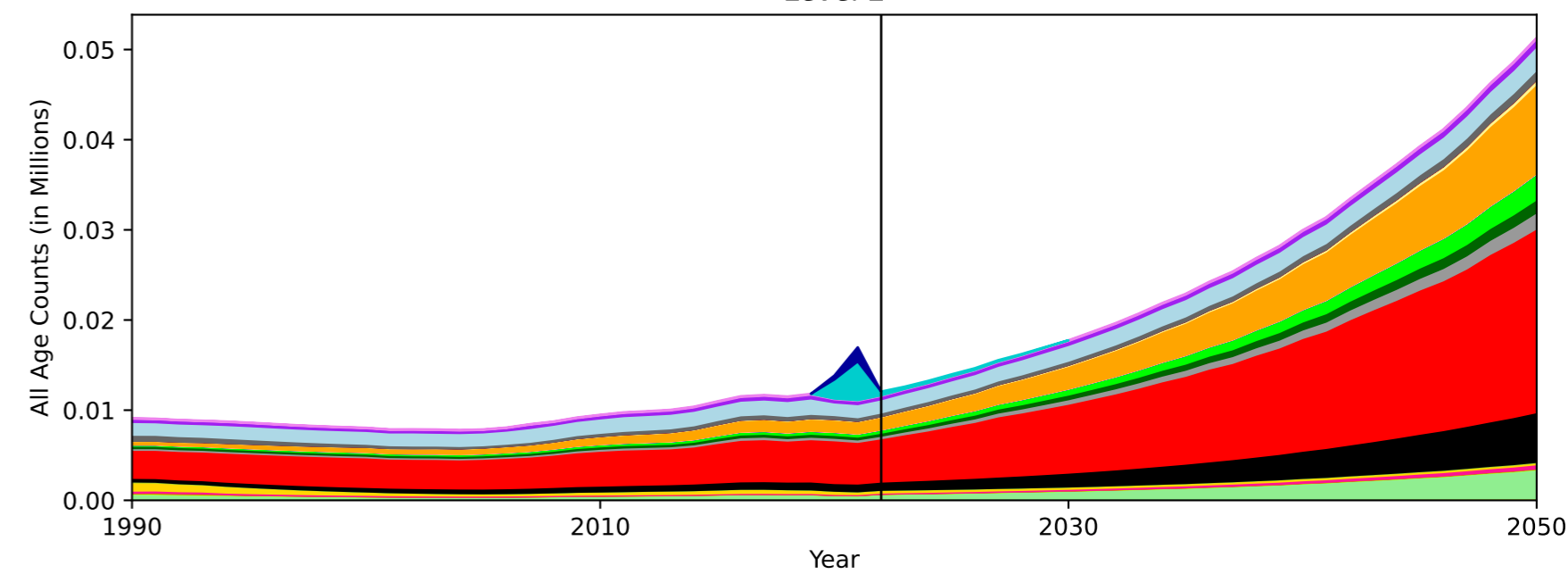
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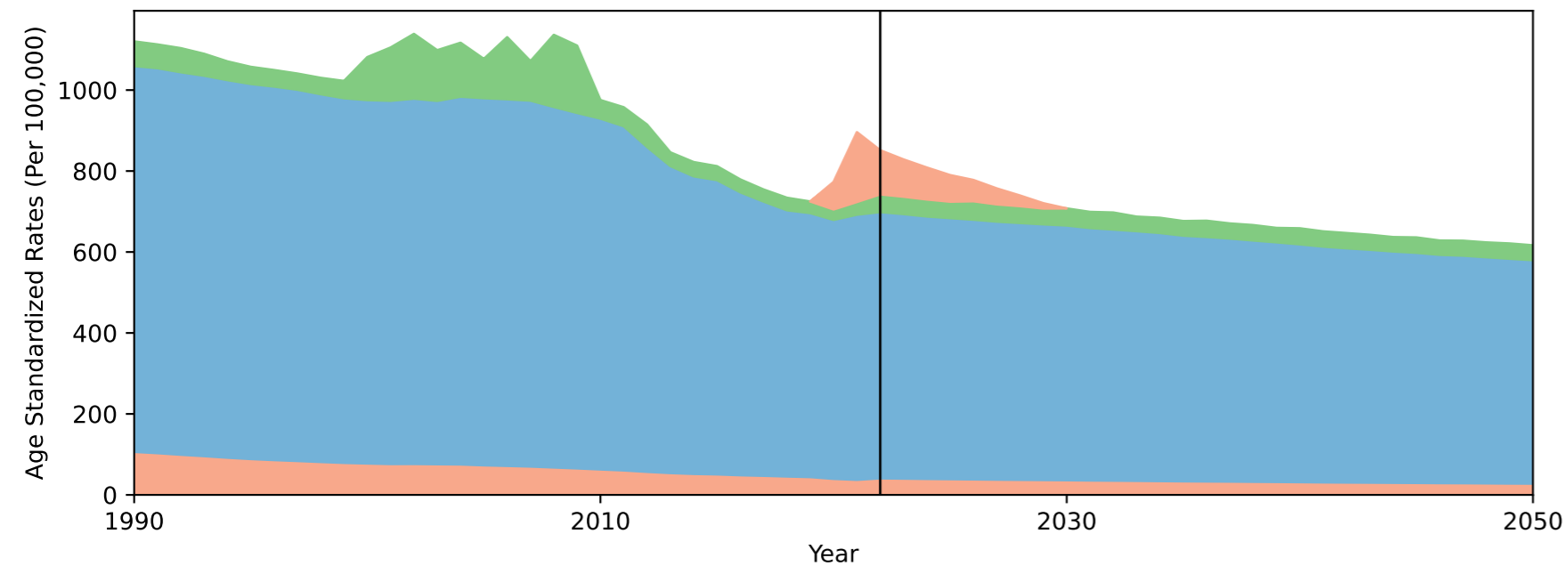
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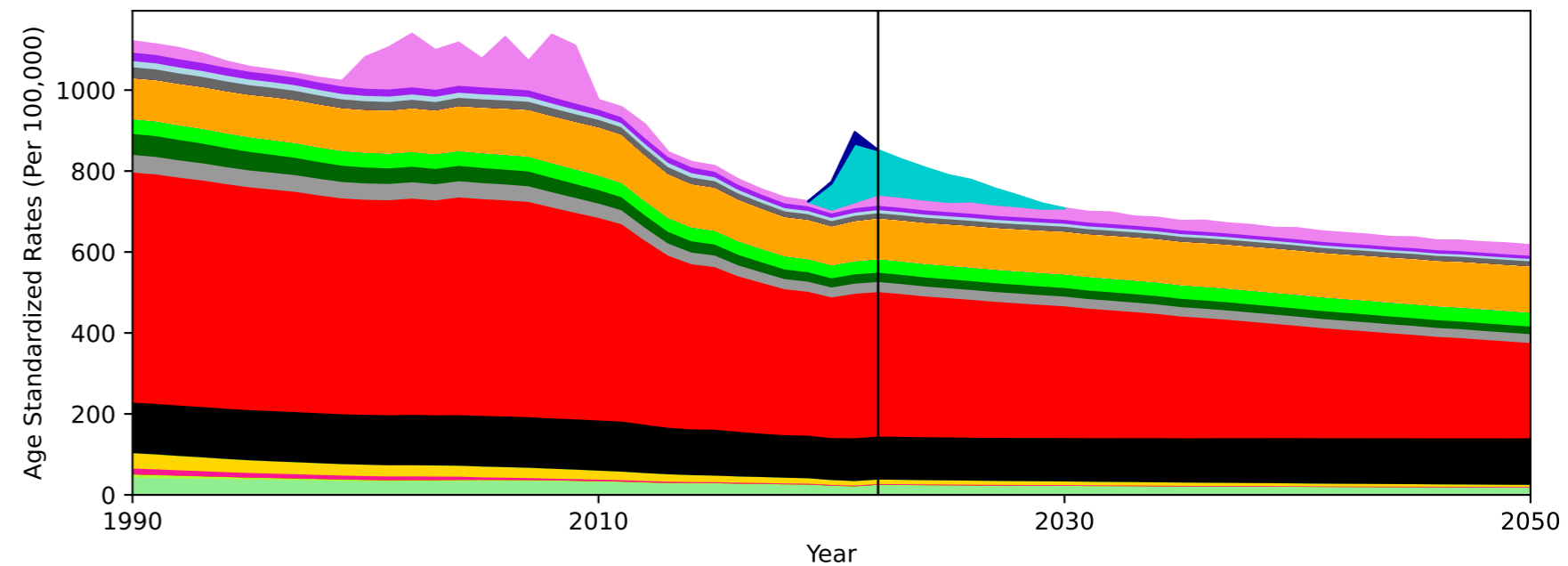
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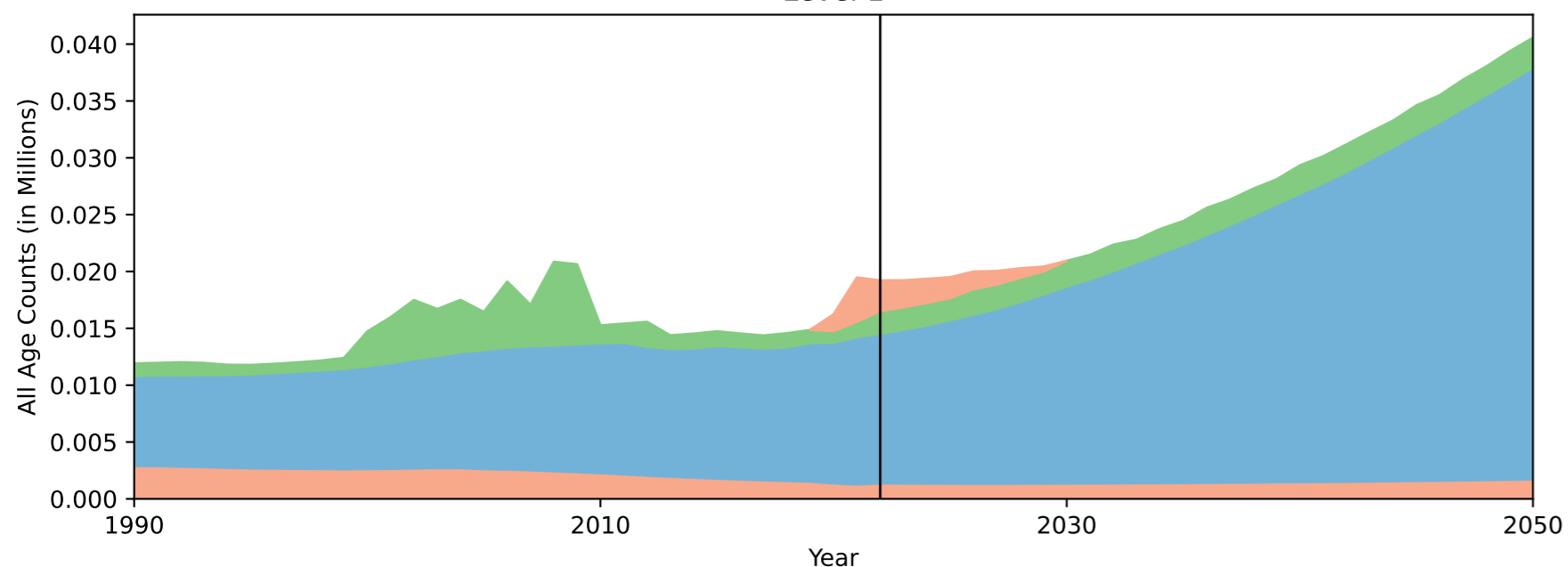
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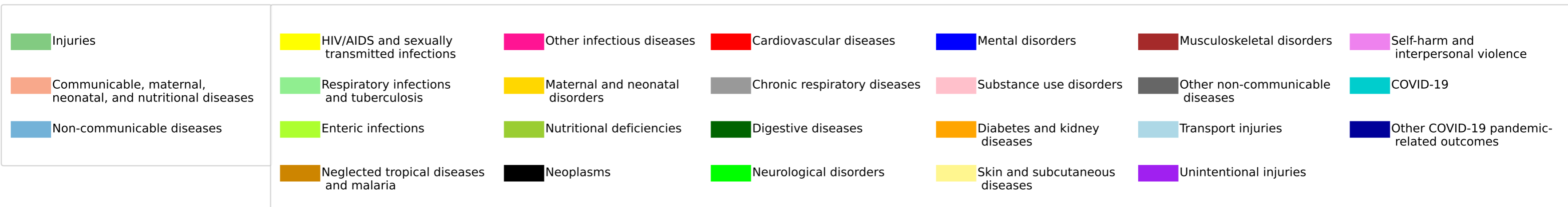
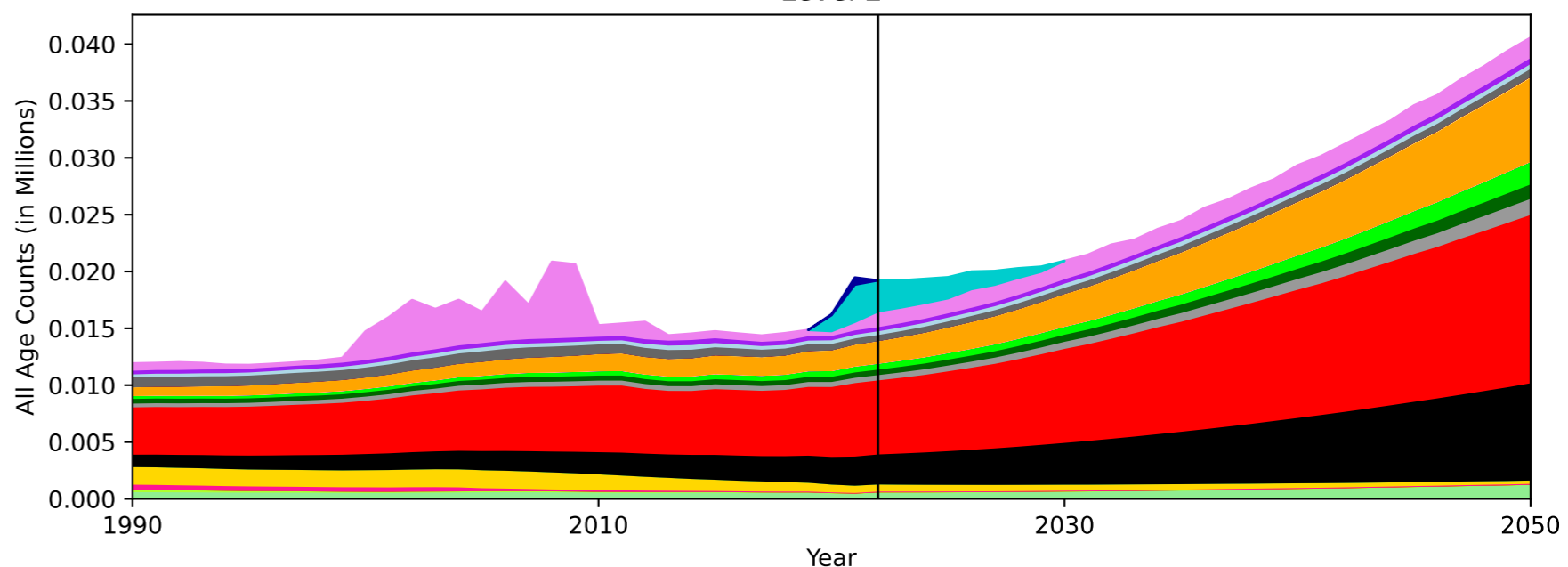
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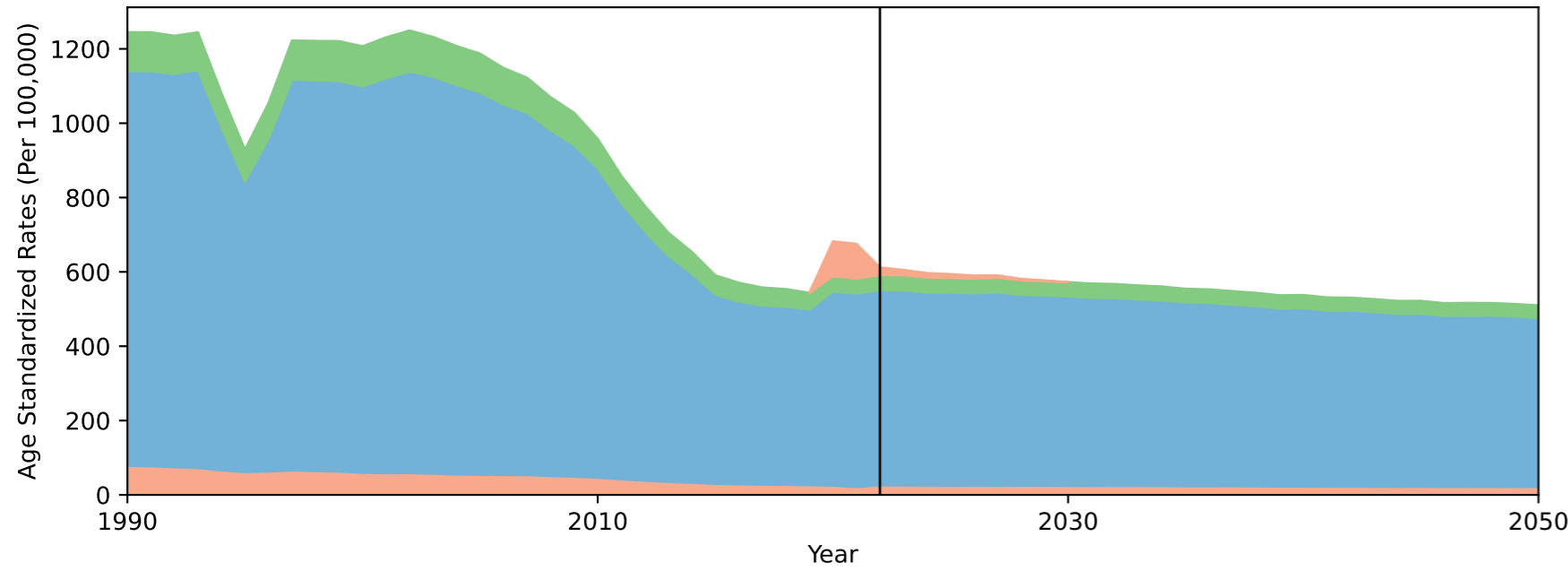
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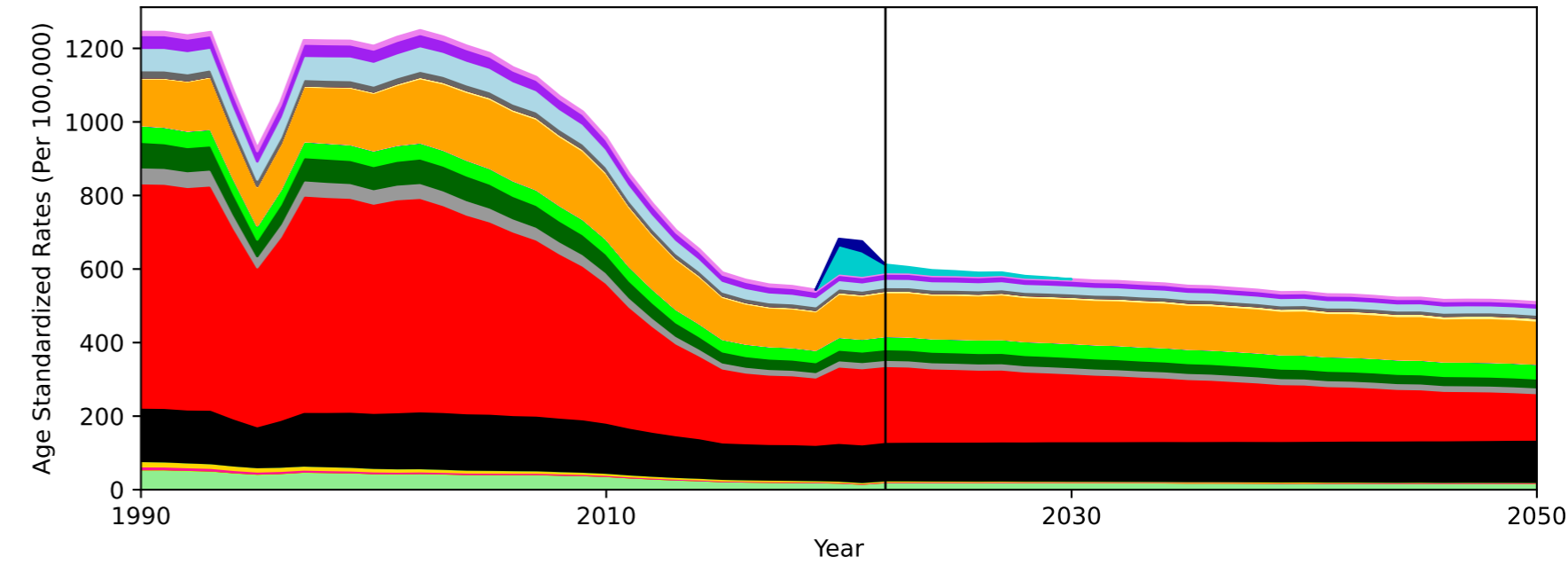
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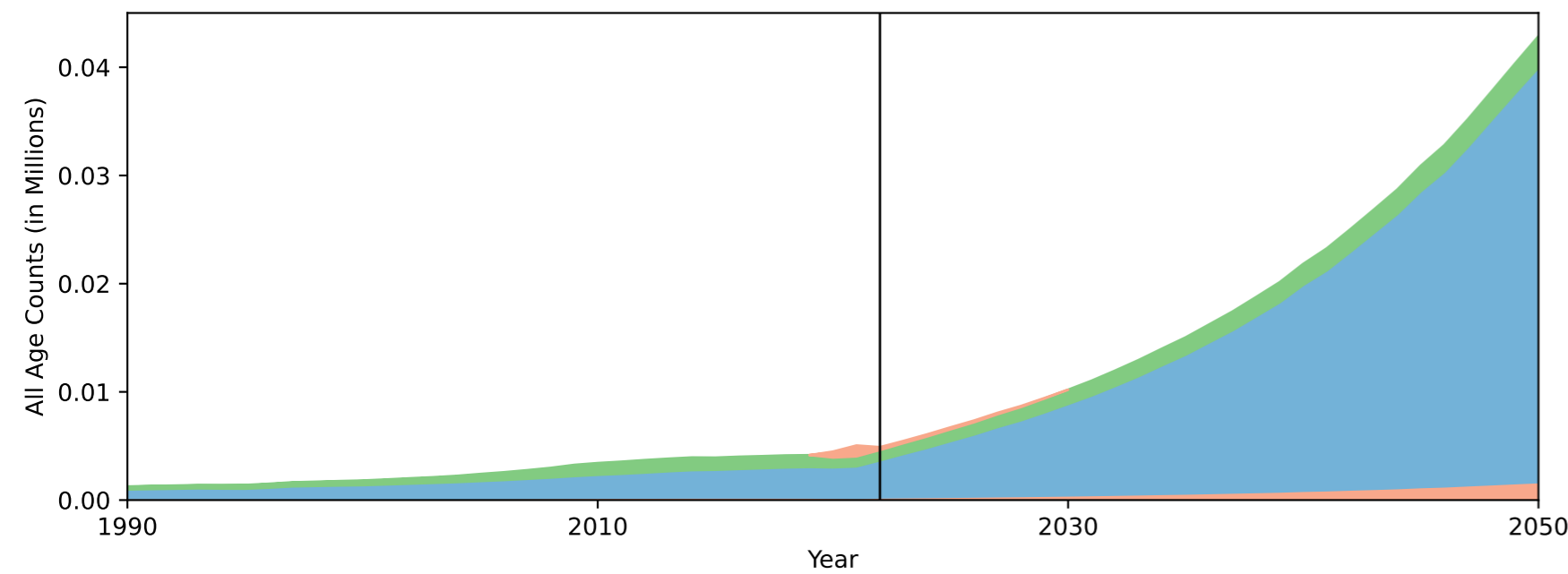
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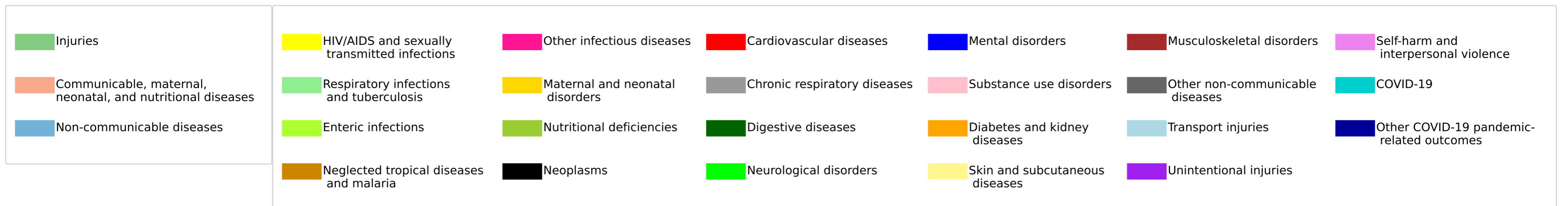
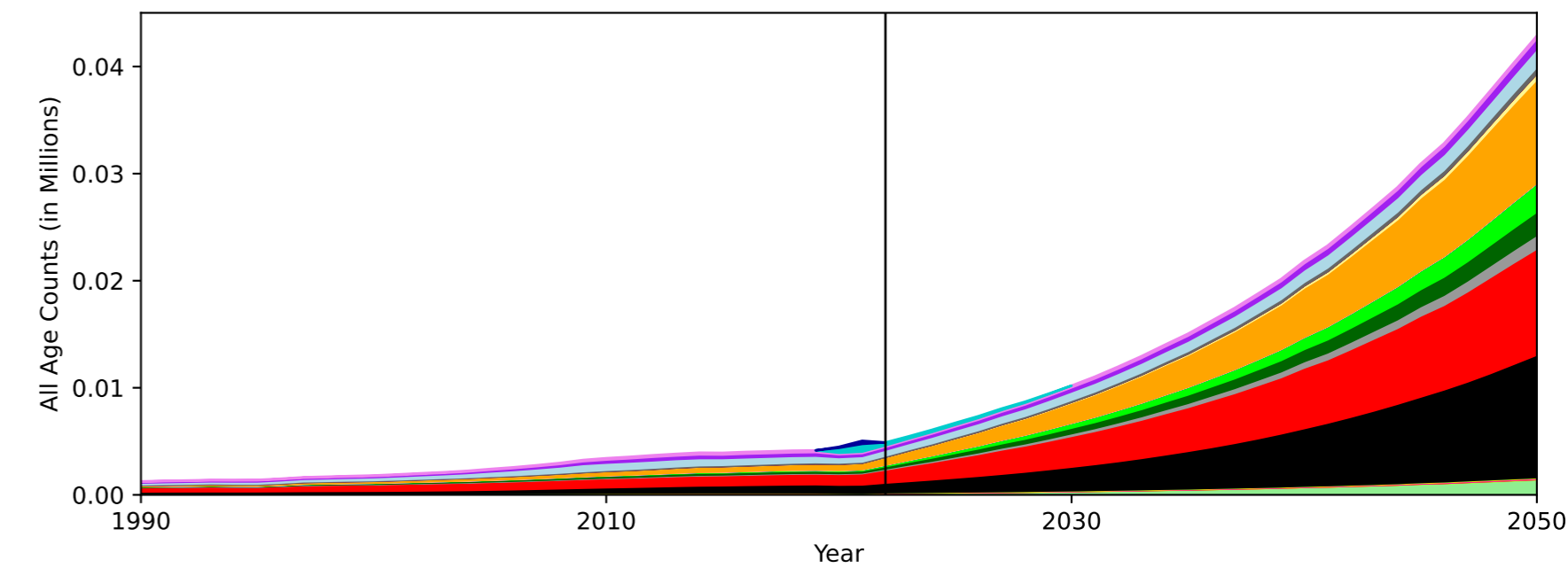
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Level 1



Level 2

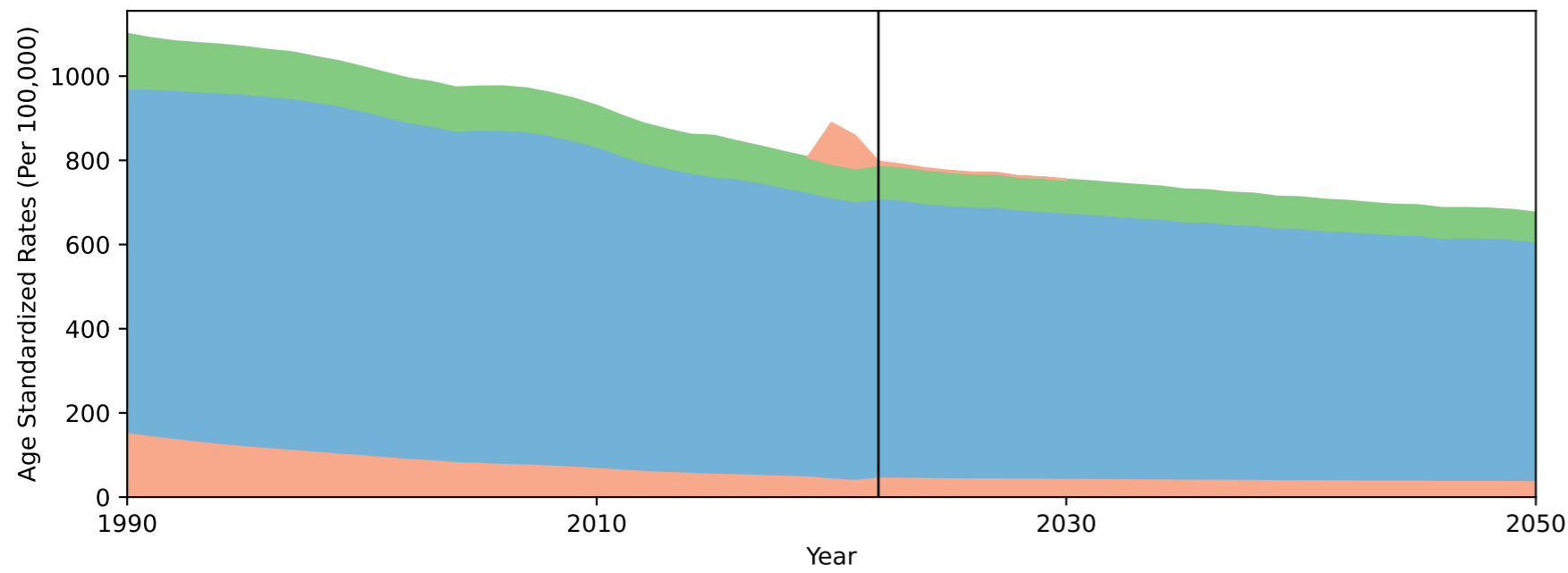


# Saudi Arabia

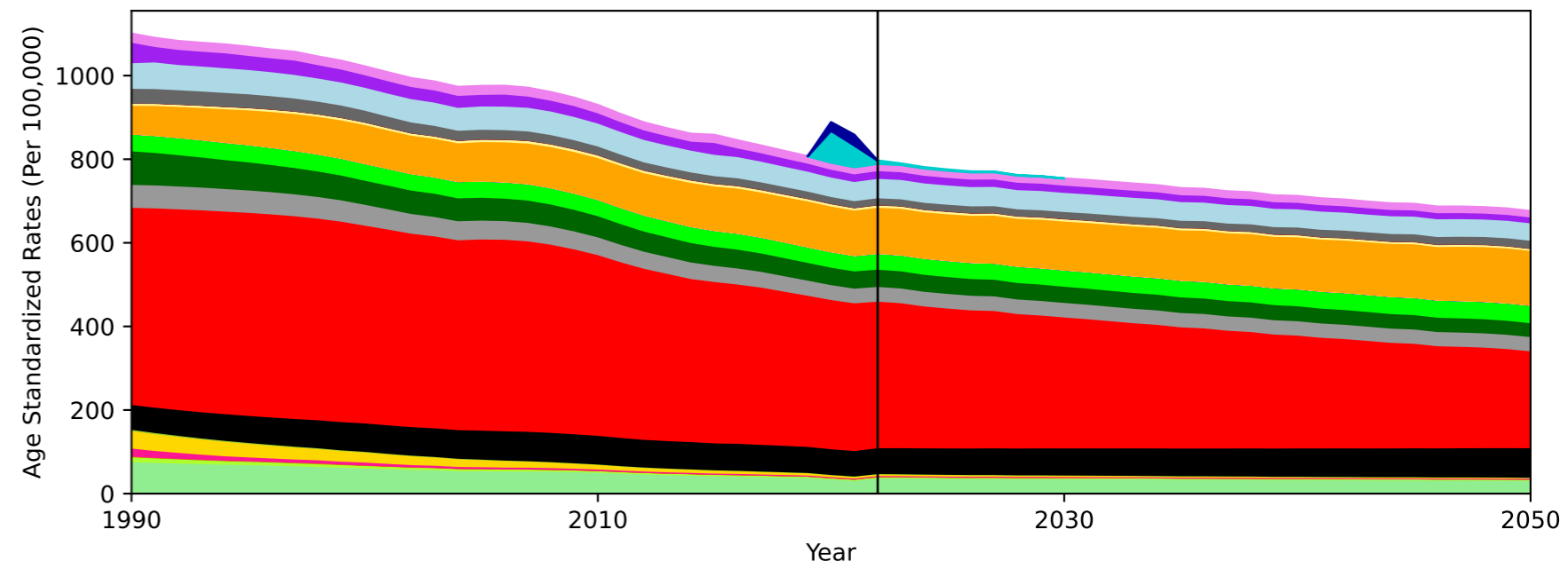
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

590

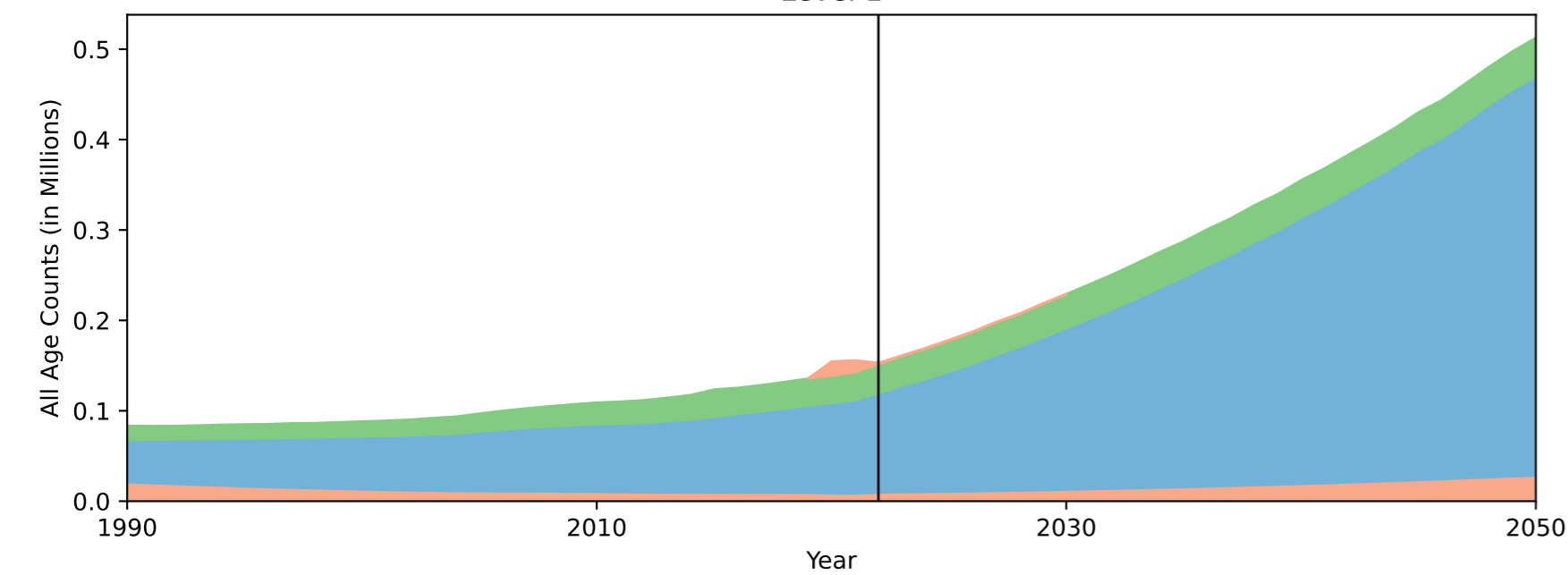
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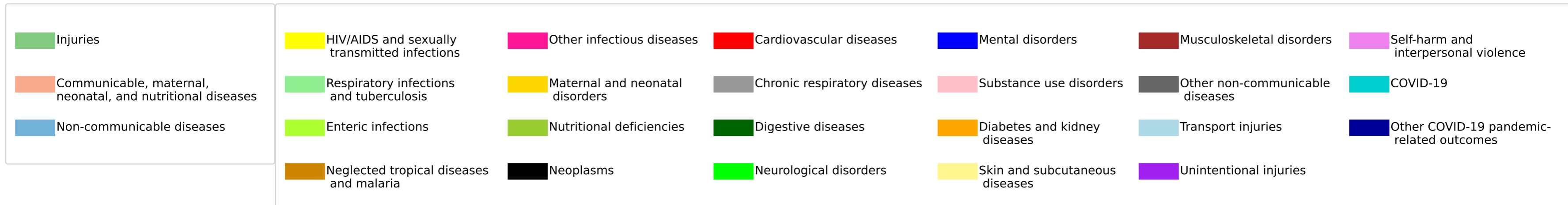
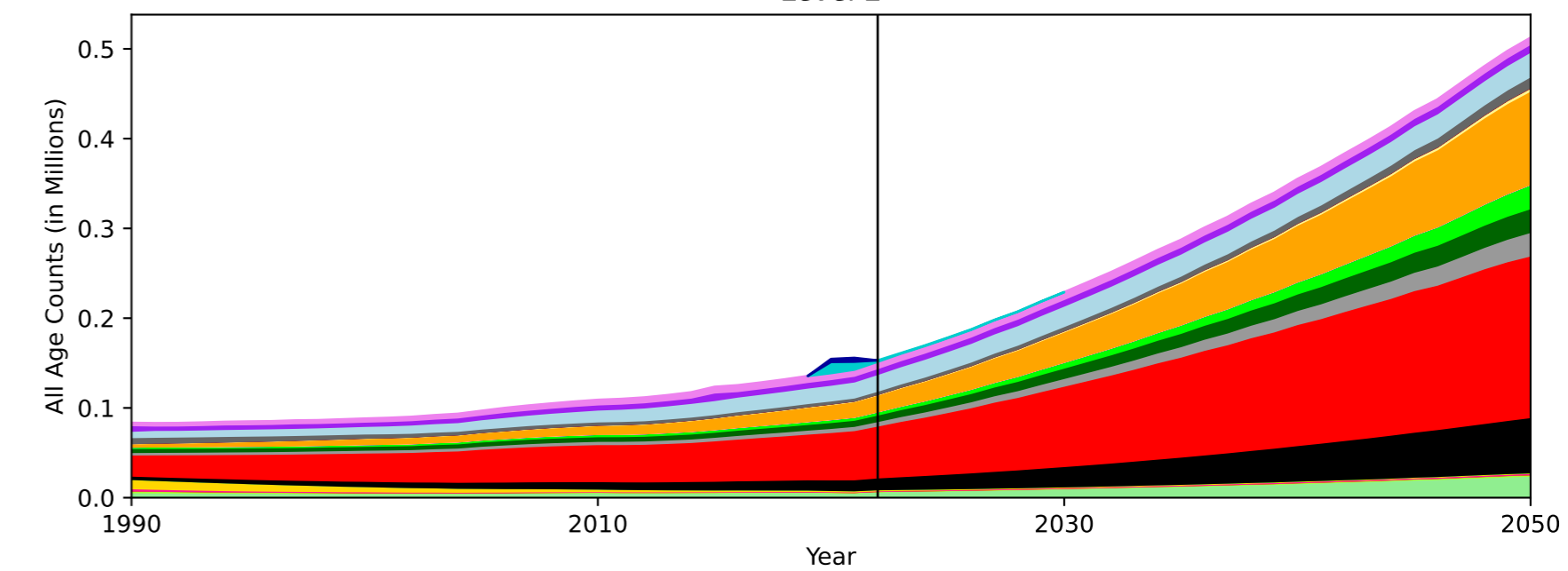
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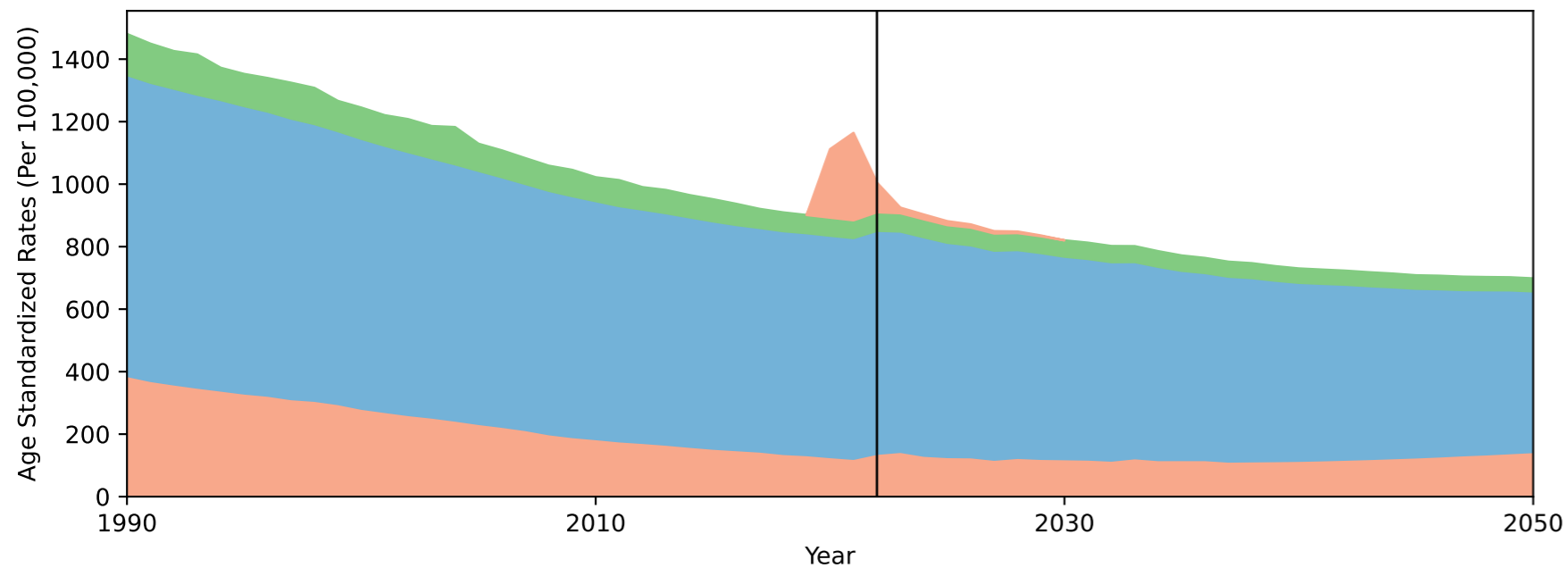


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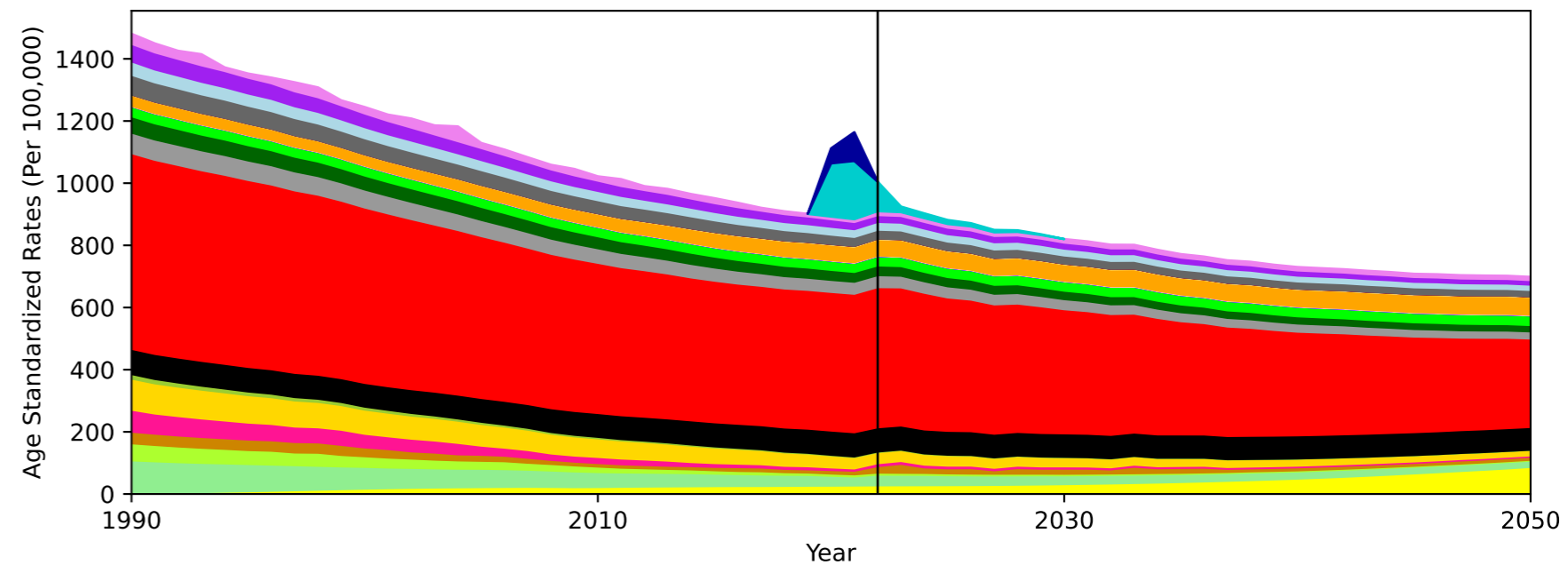


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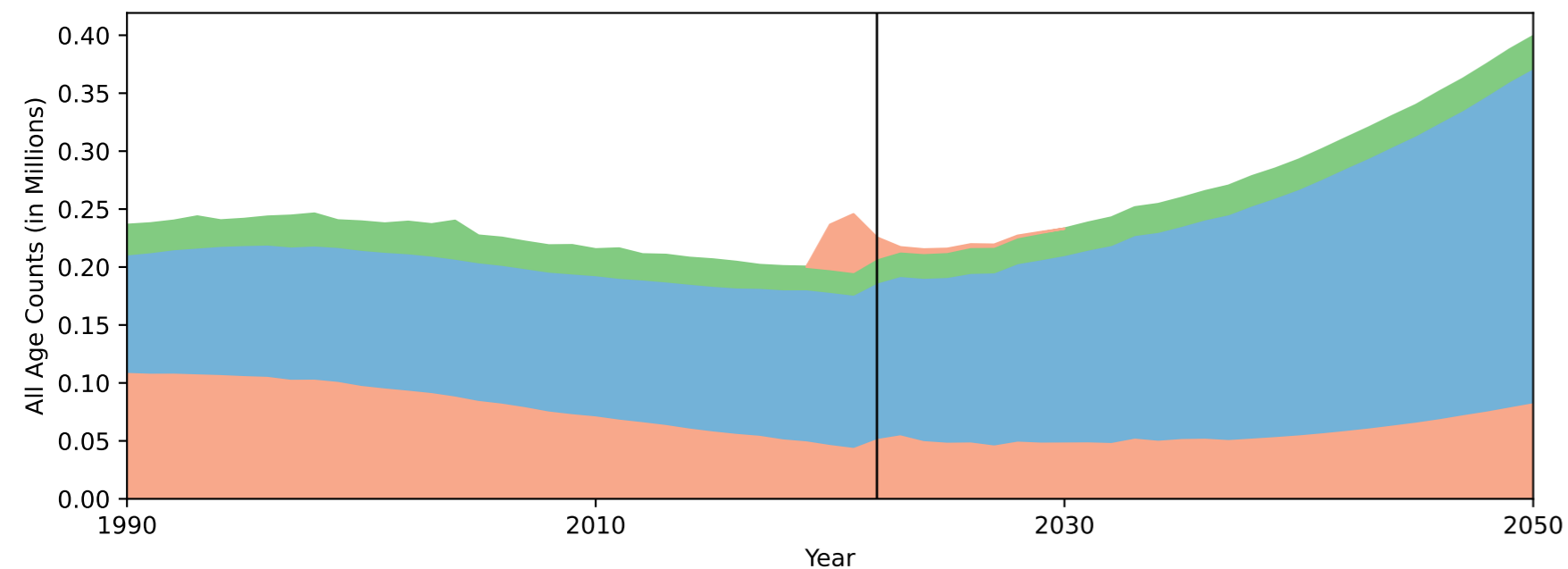
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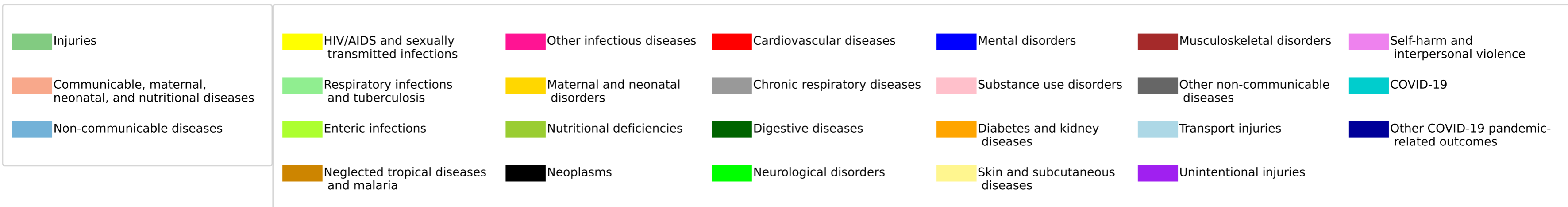
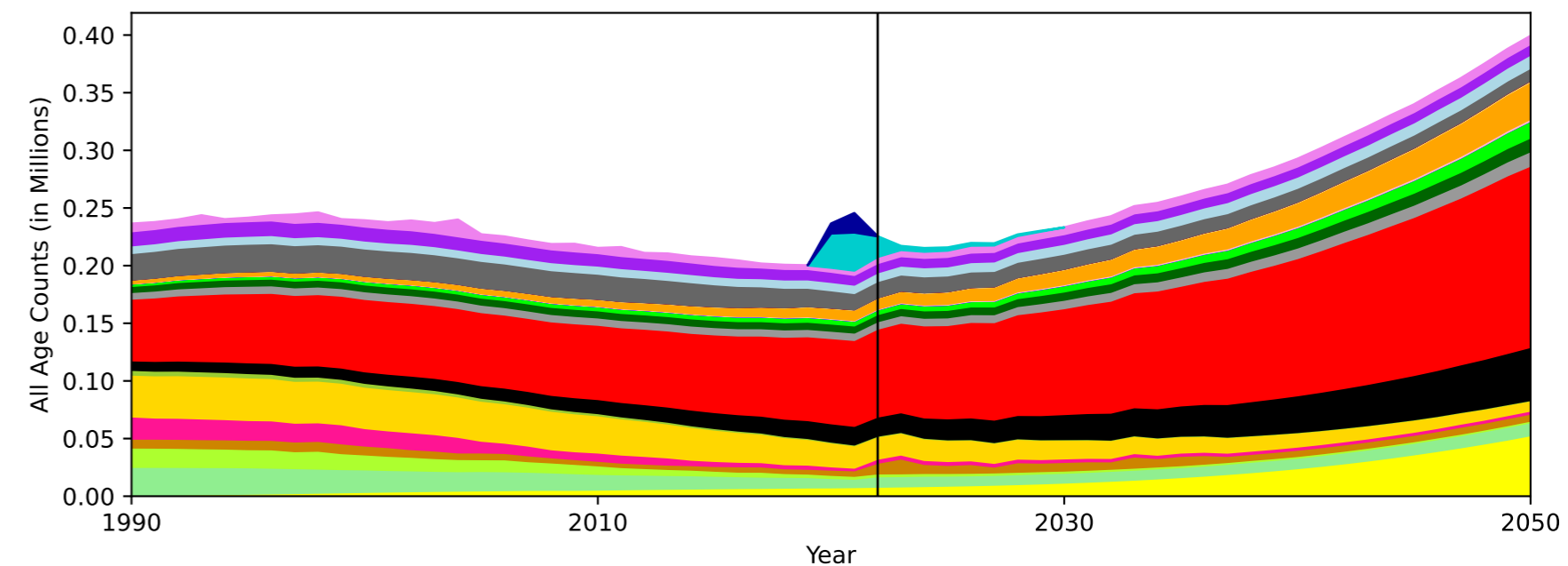
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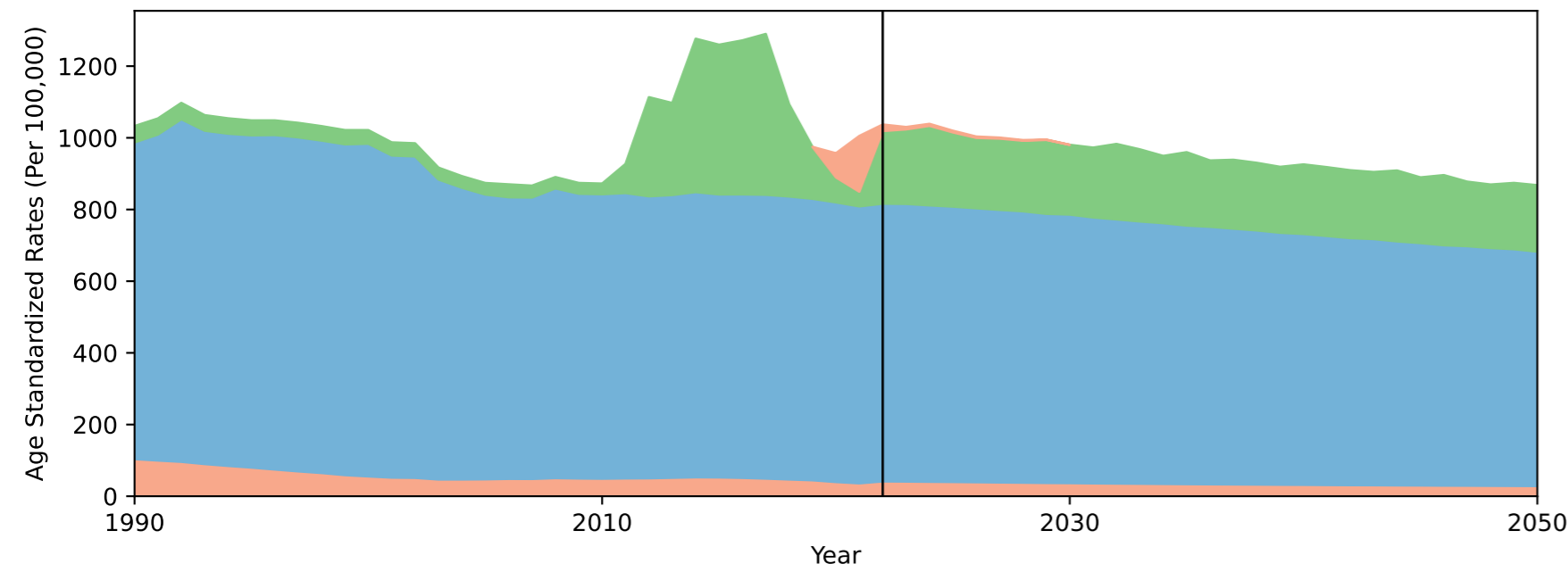
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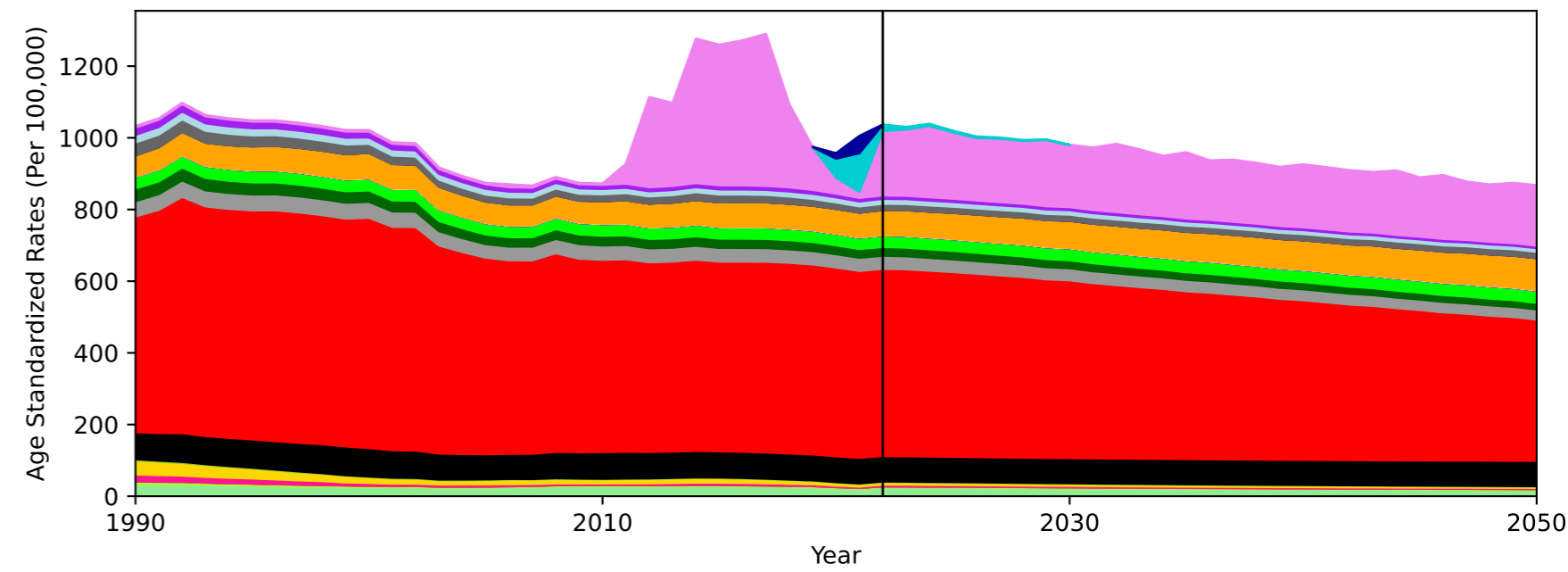


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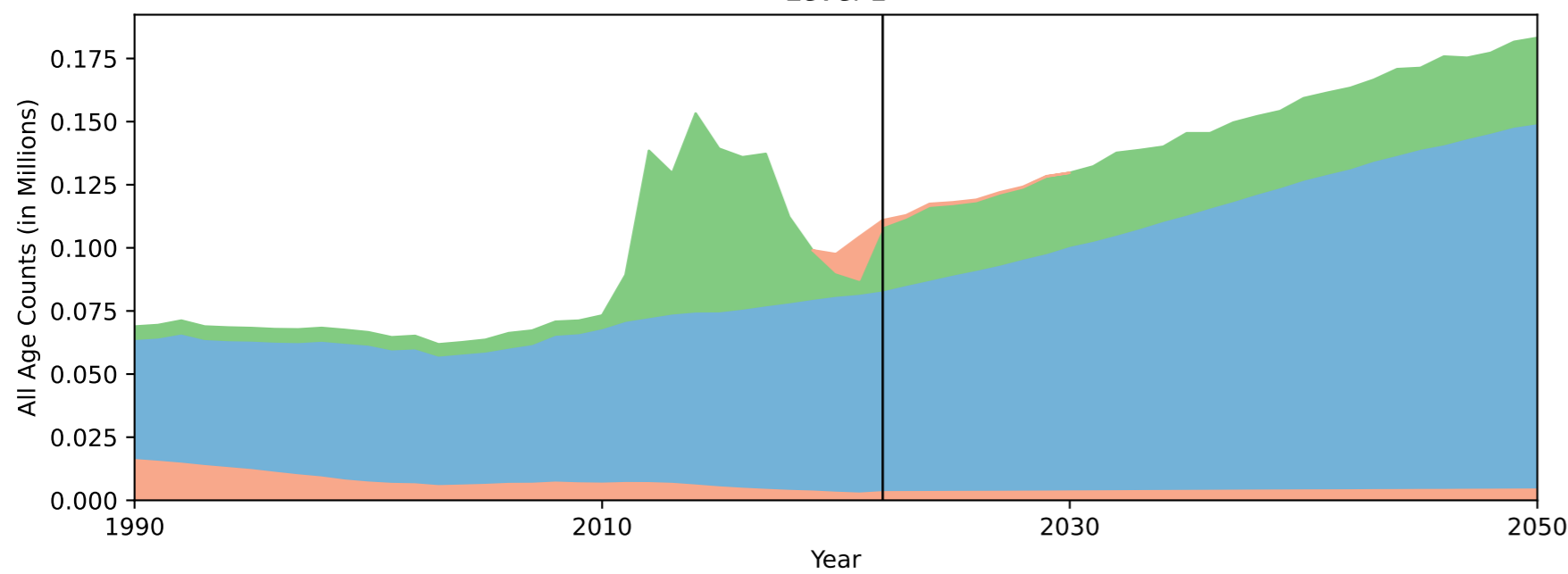
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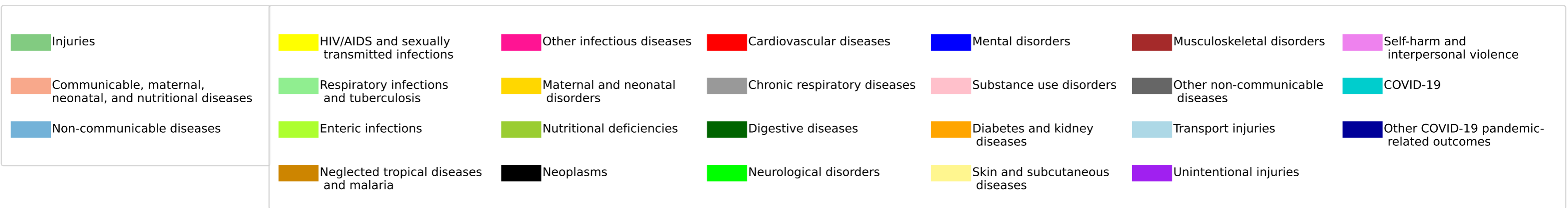
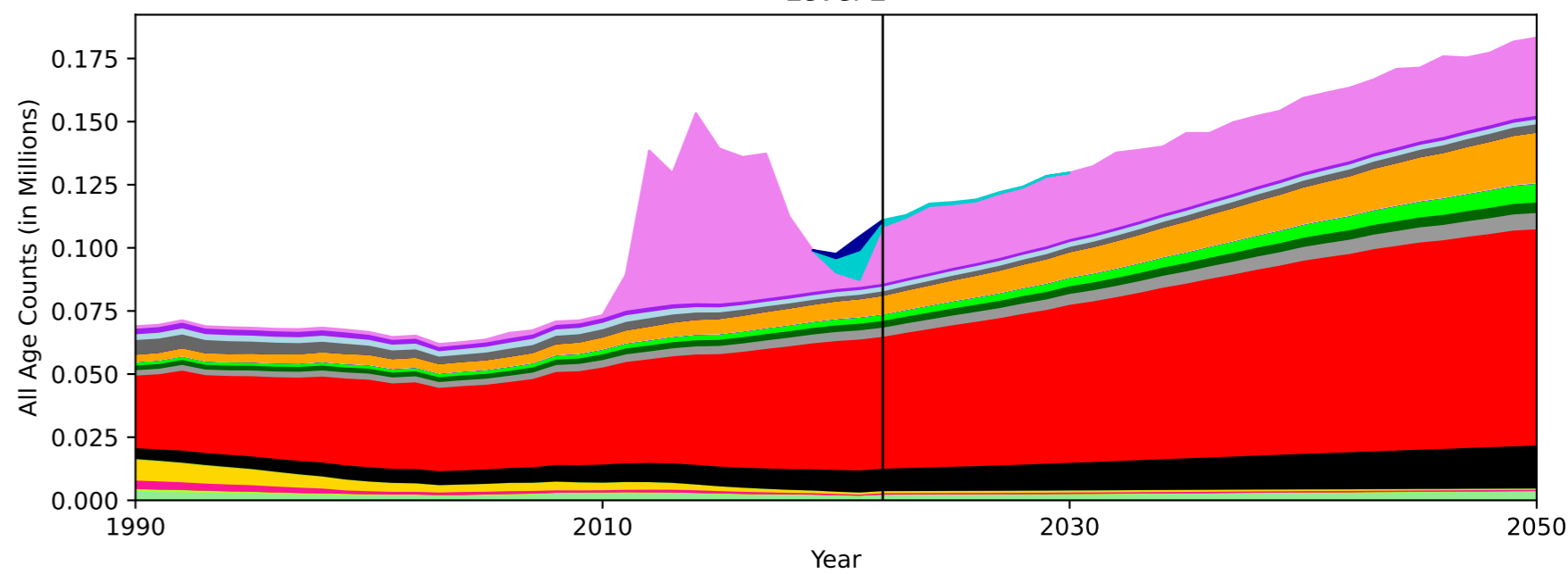
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Level 1

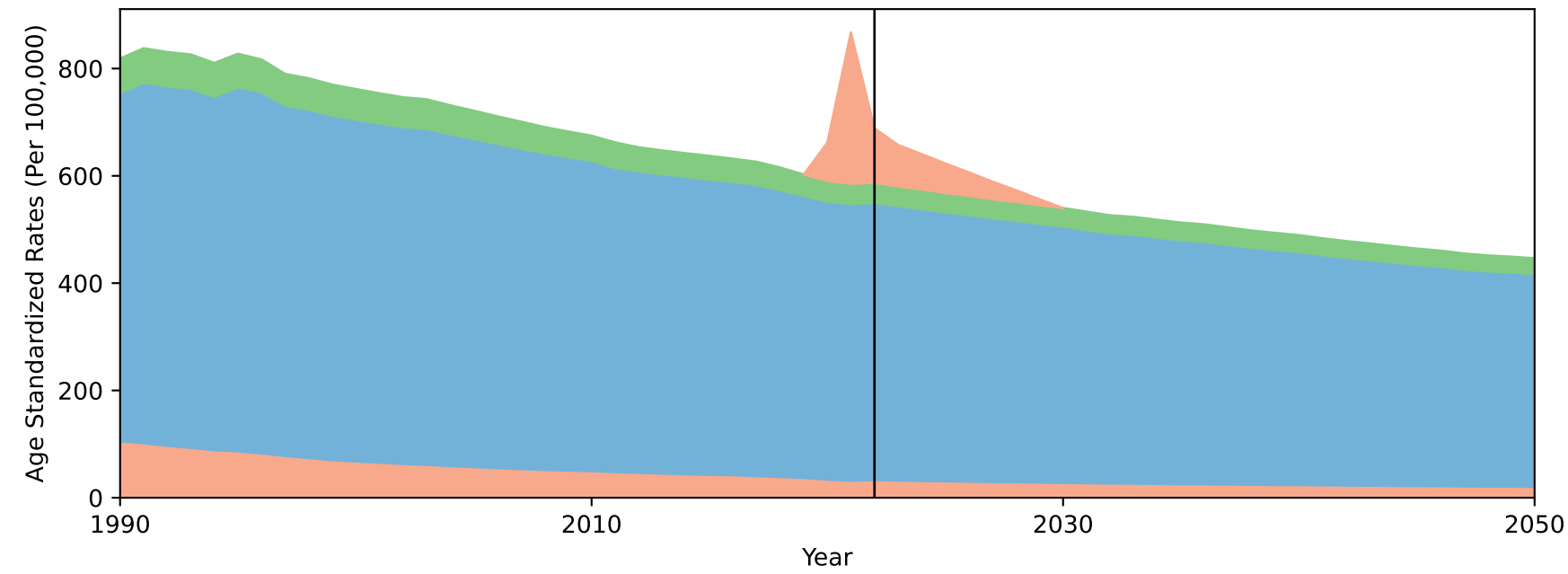


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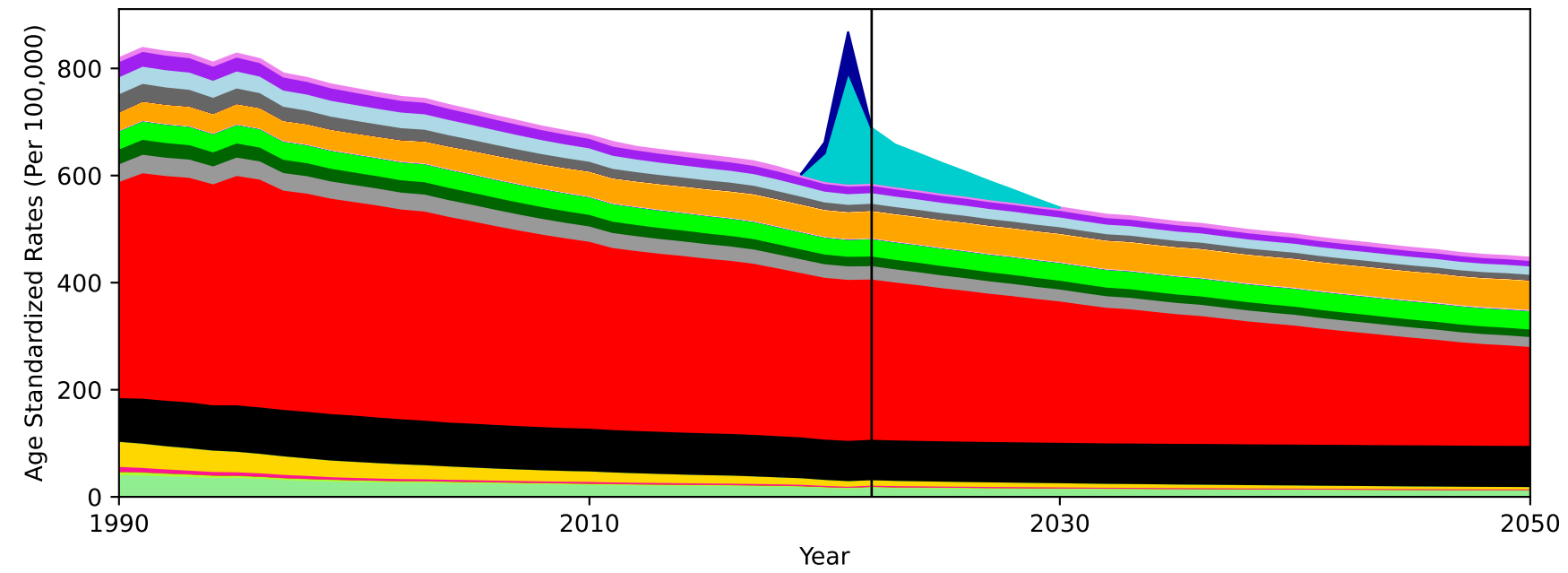


# Tunisia

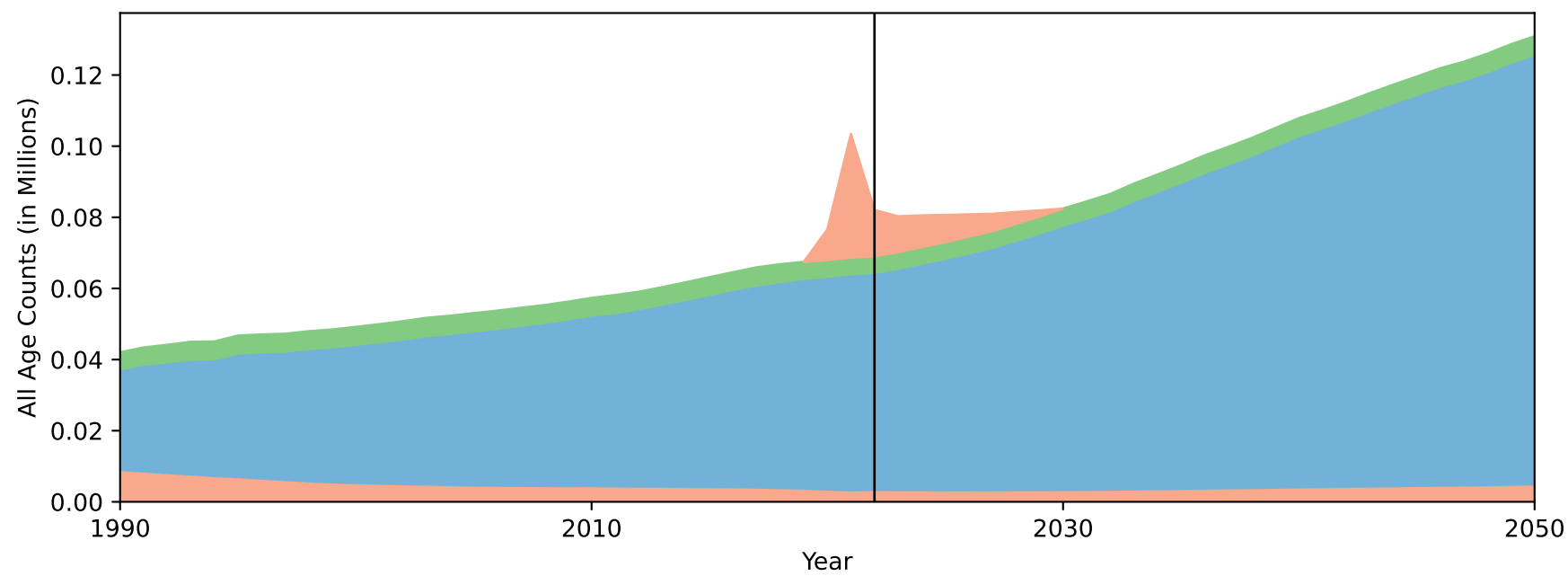
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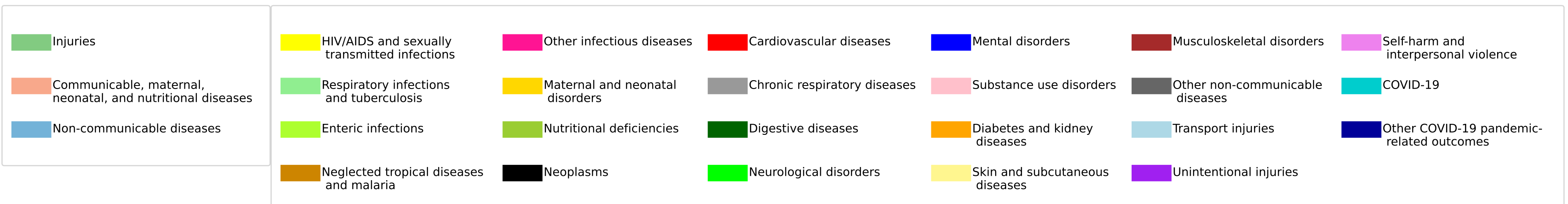
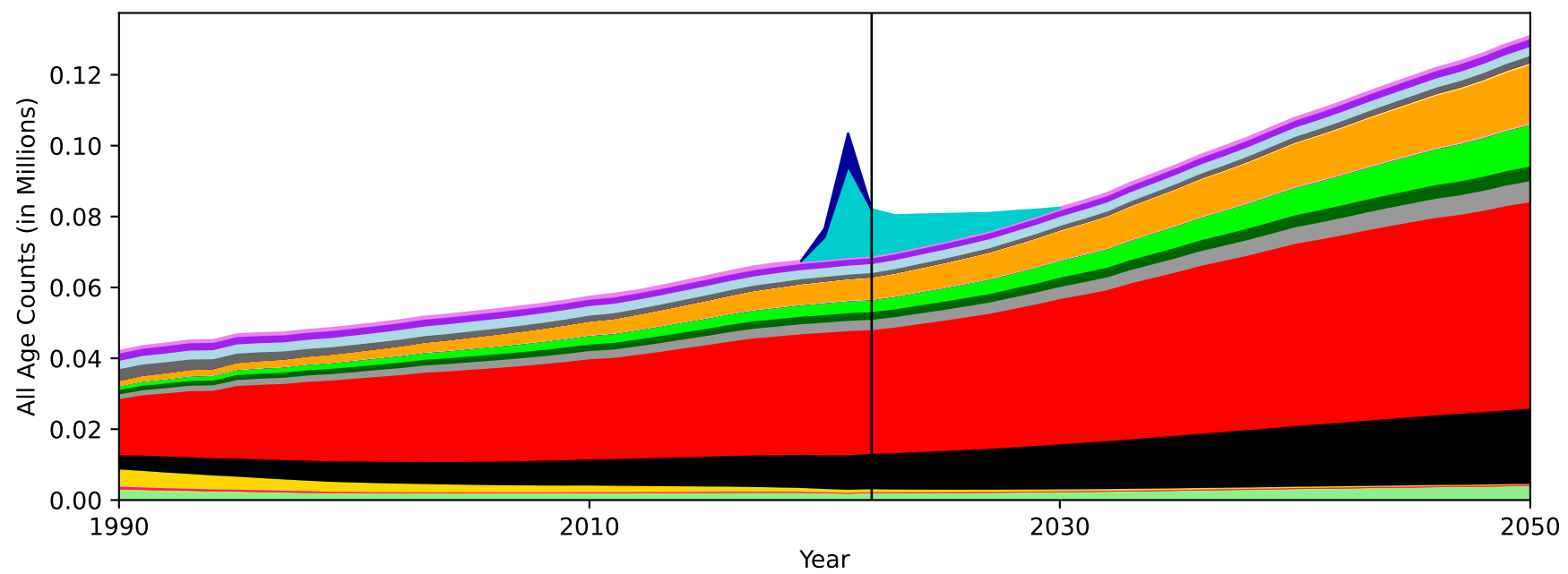
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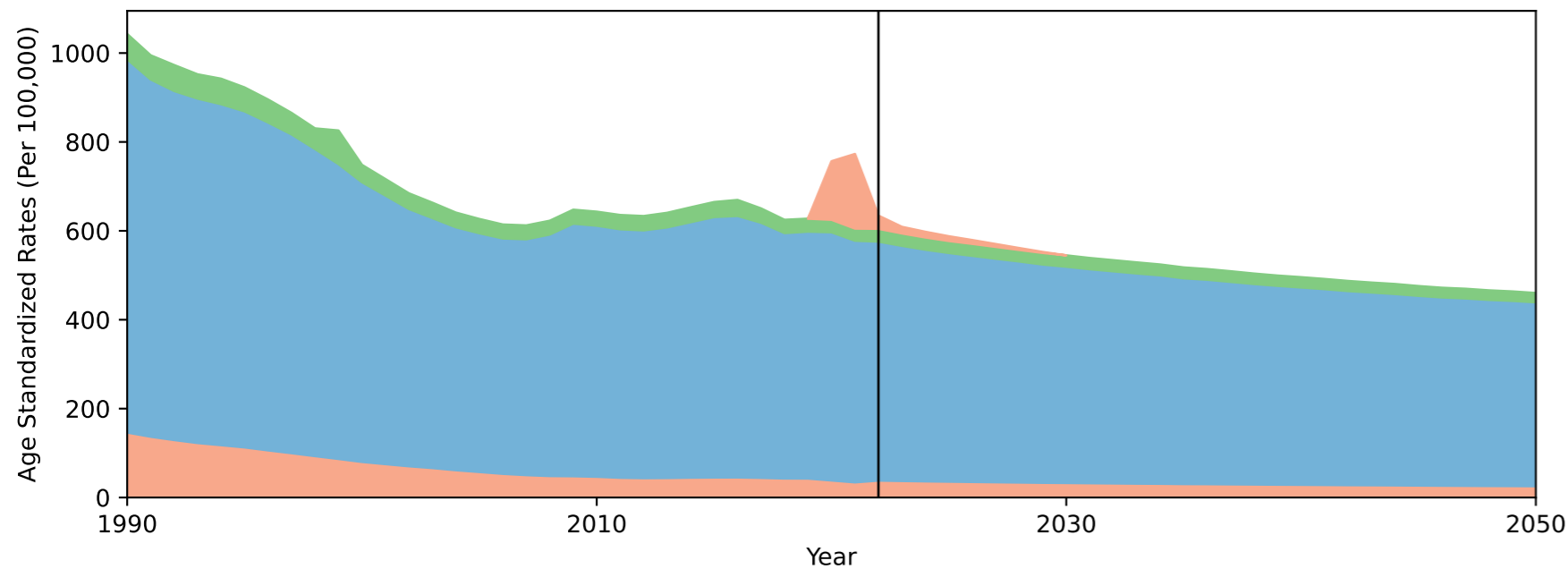
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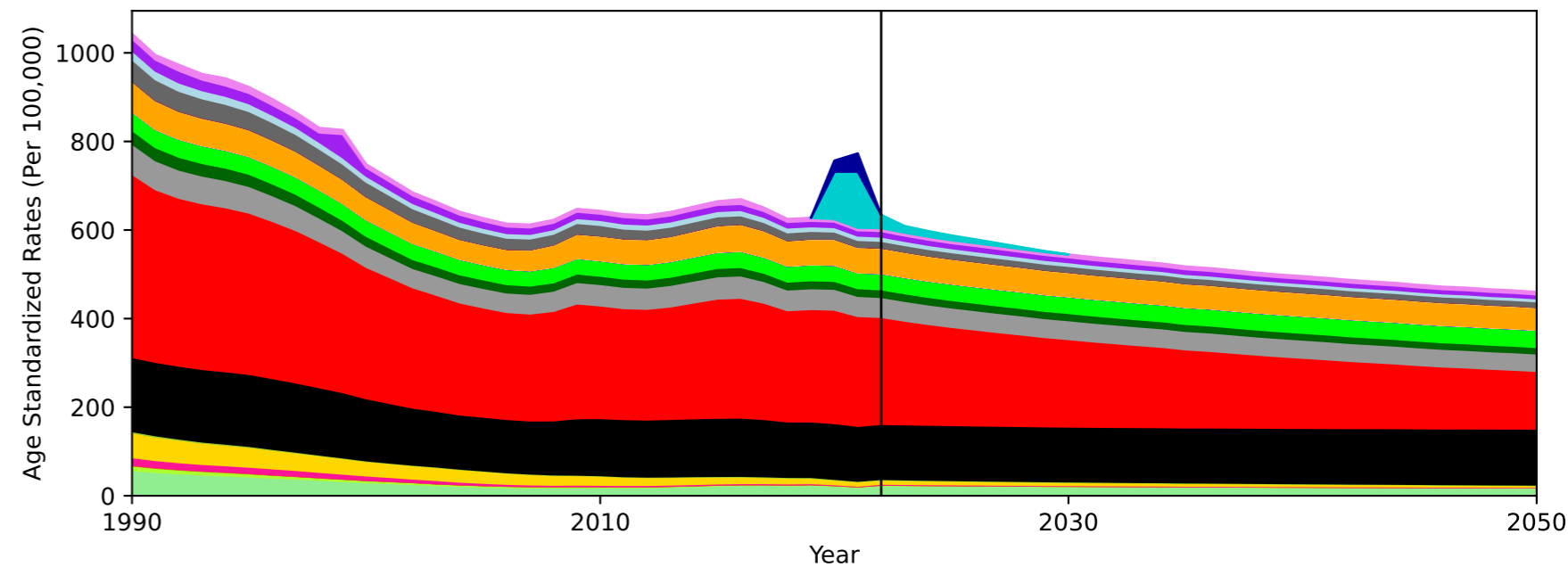
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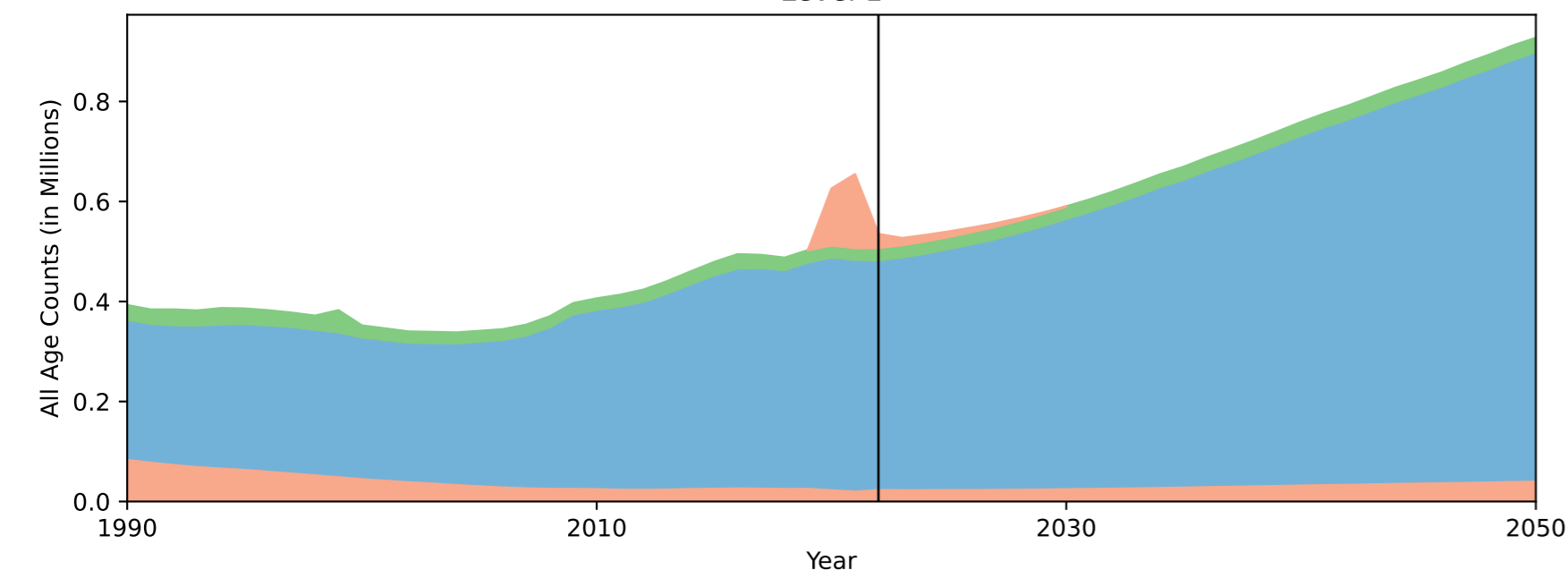
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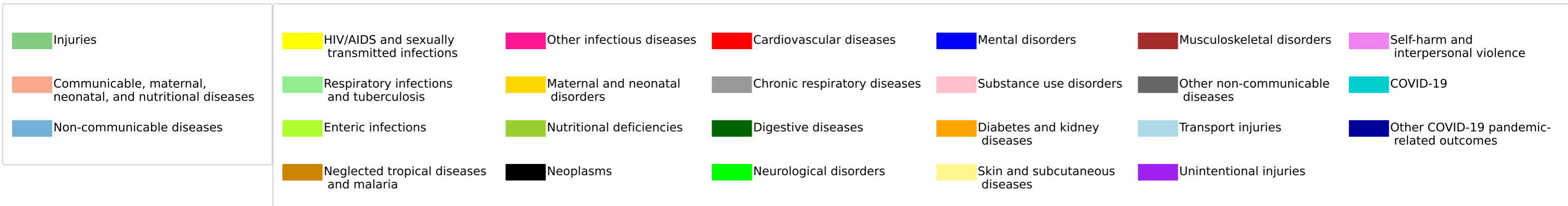
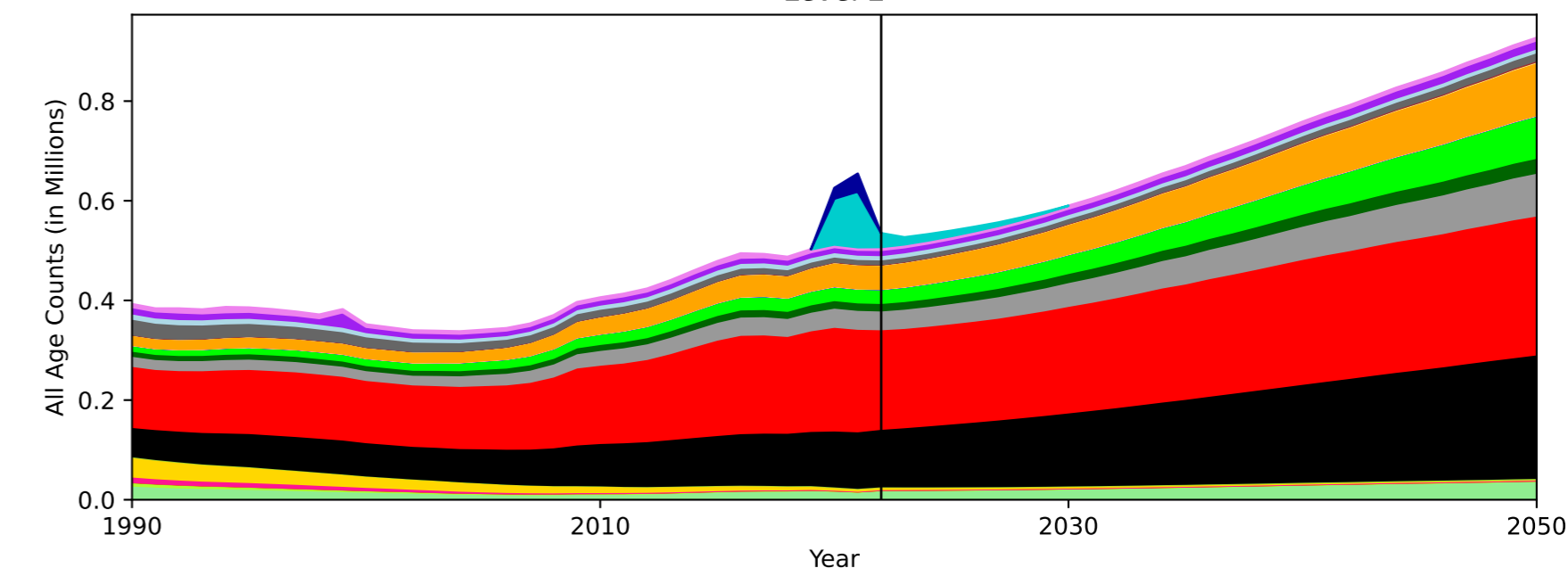
Level 2



Level 1



Level 2

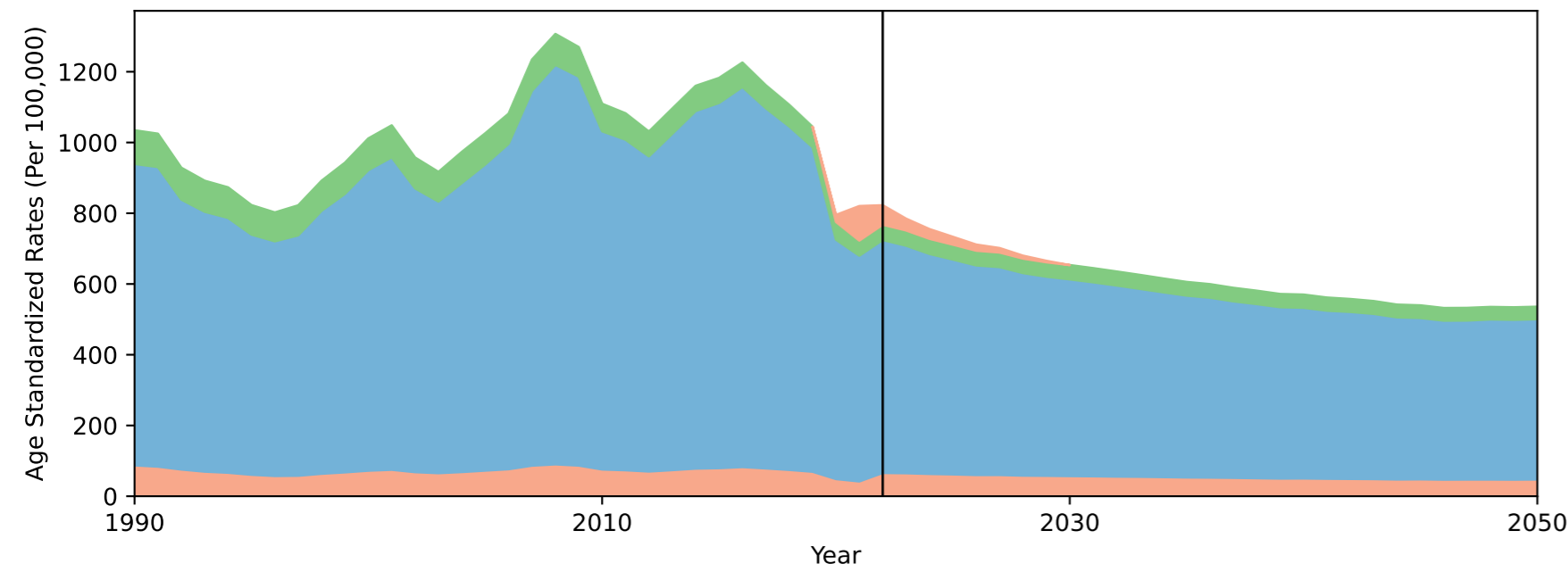


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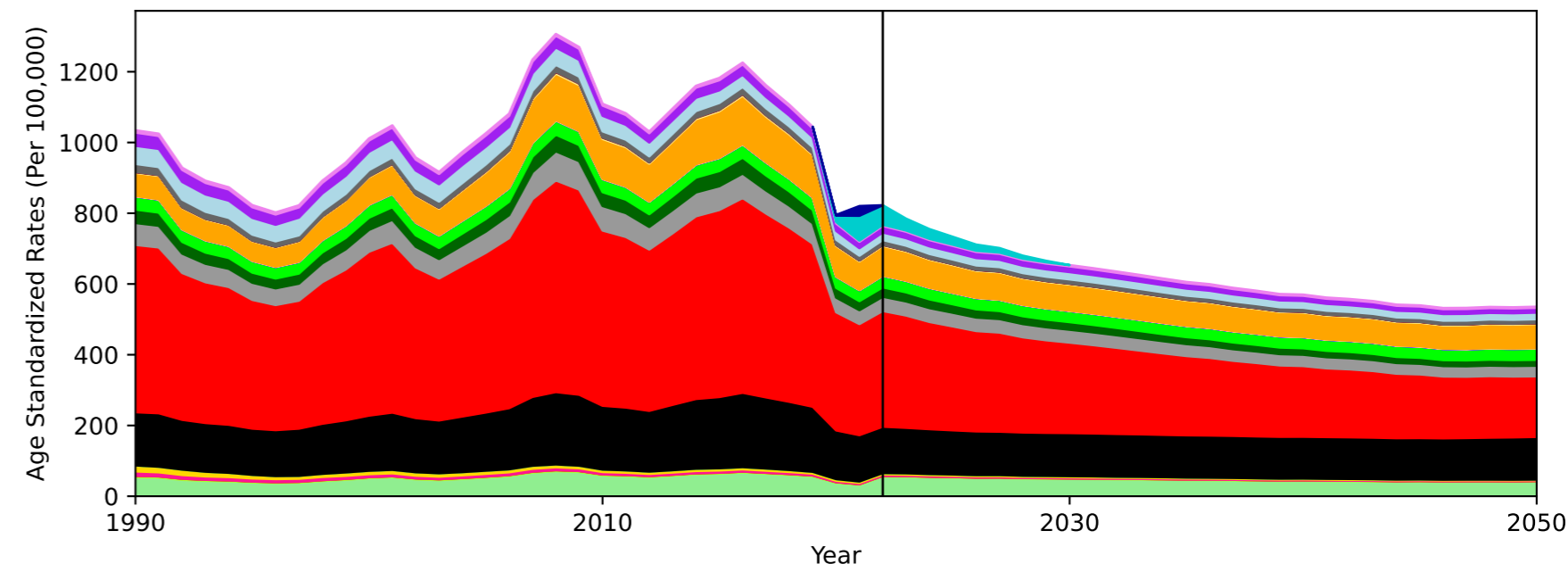
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

595

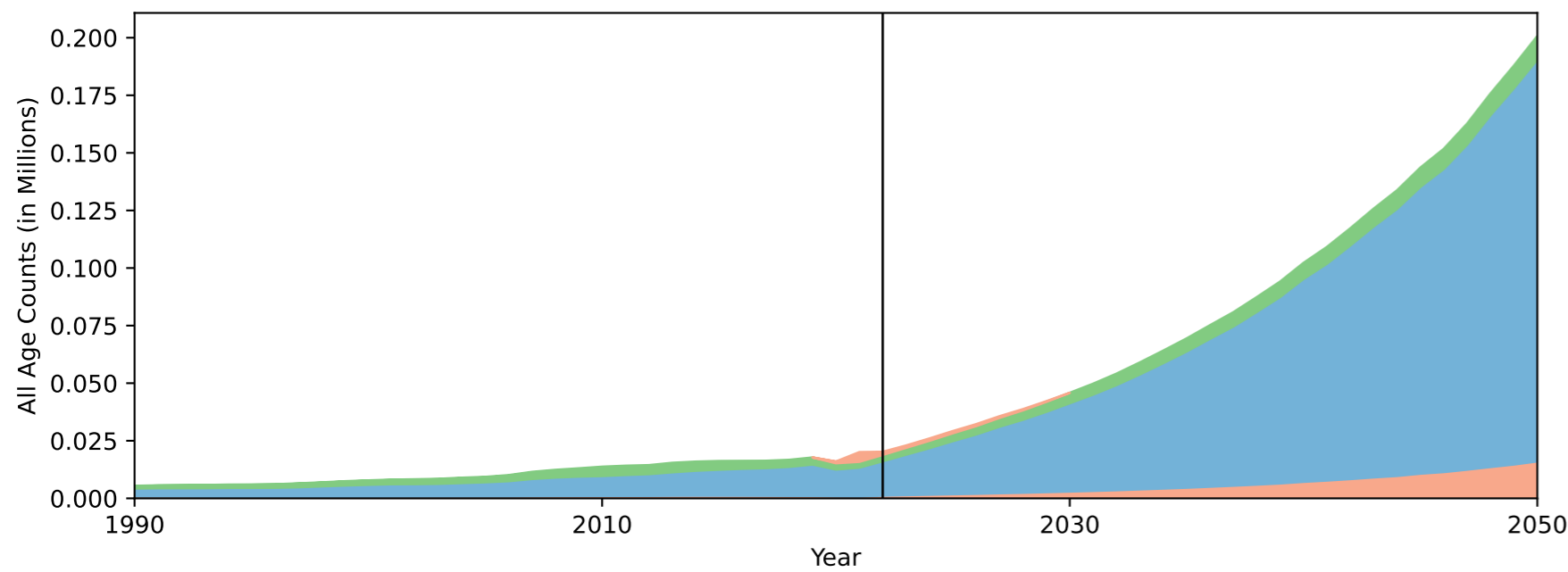
Level 1



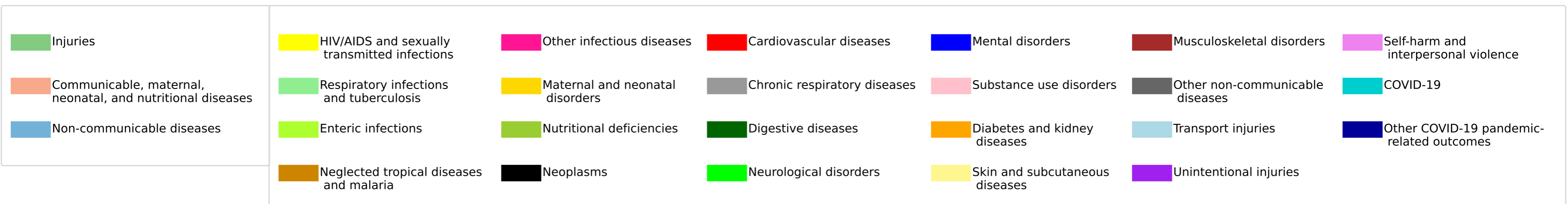
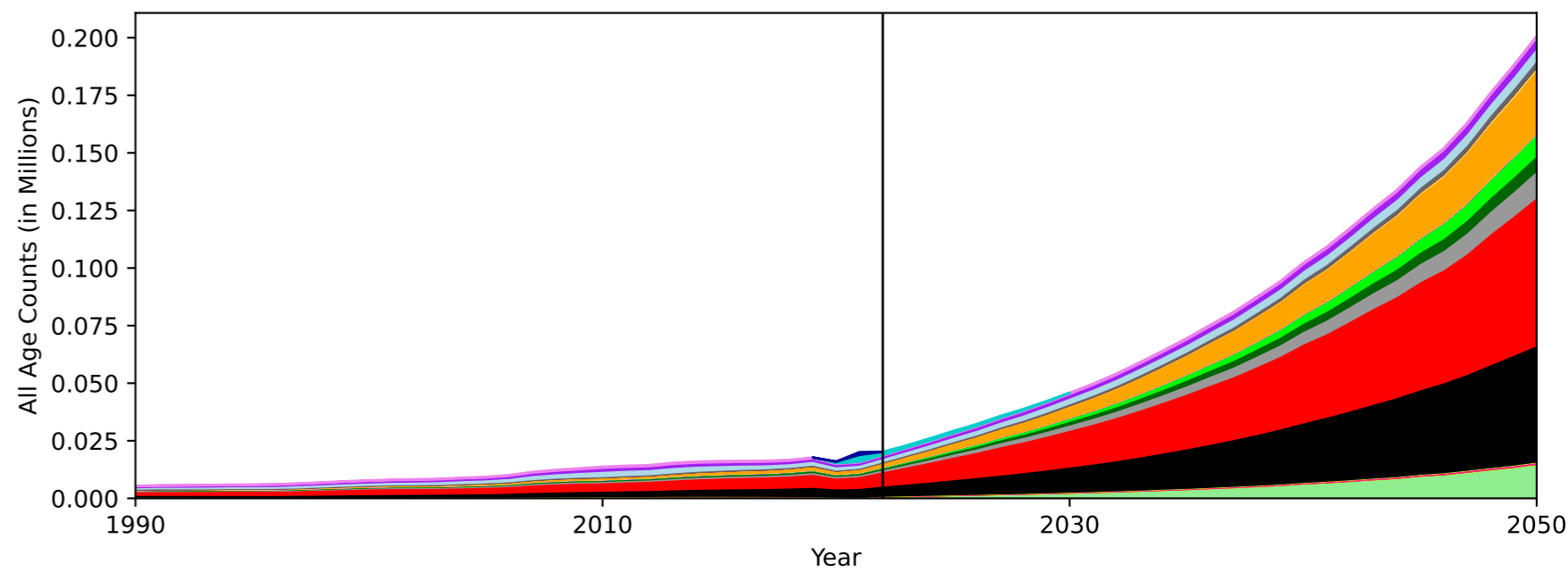
Level 2



Level 1



Level 2

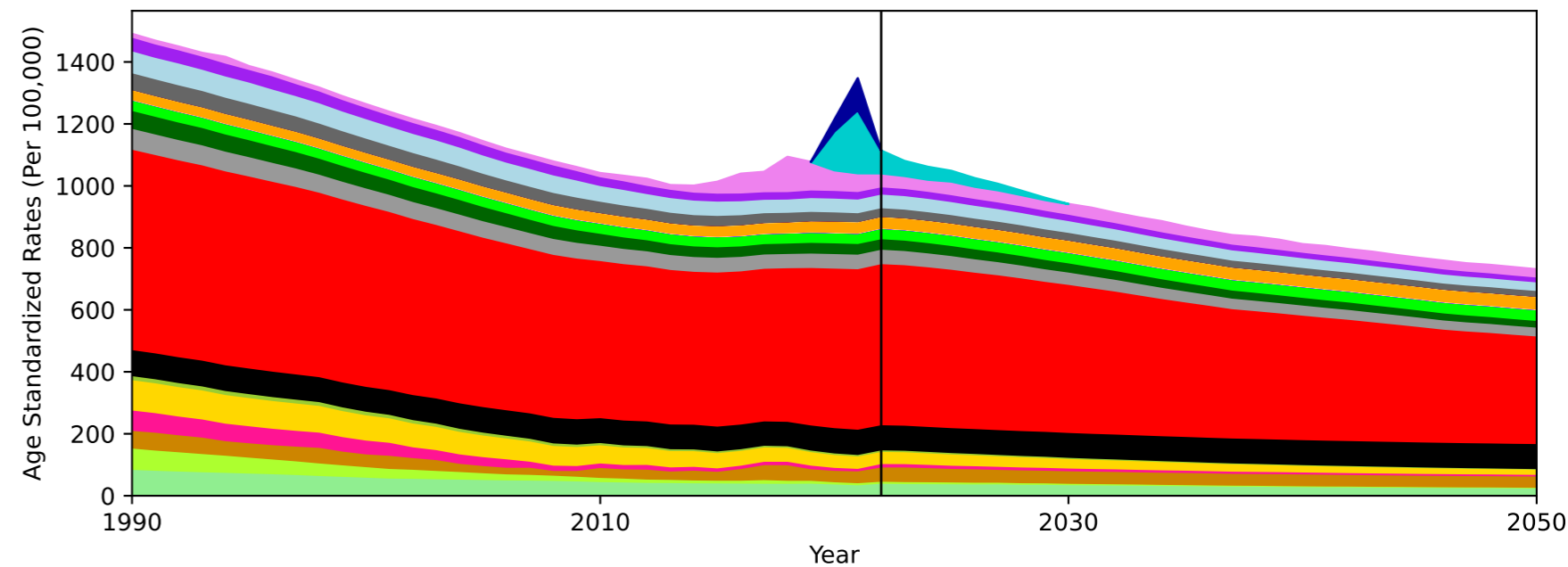


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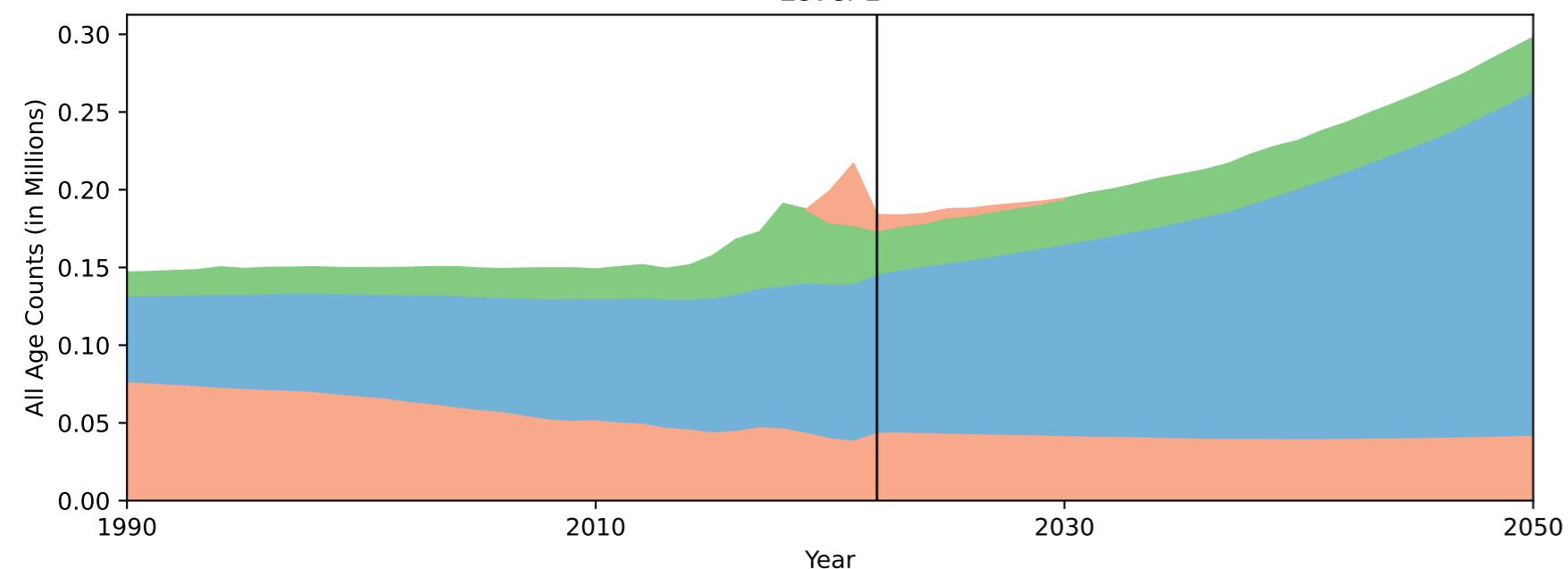
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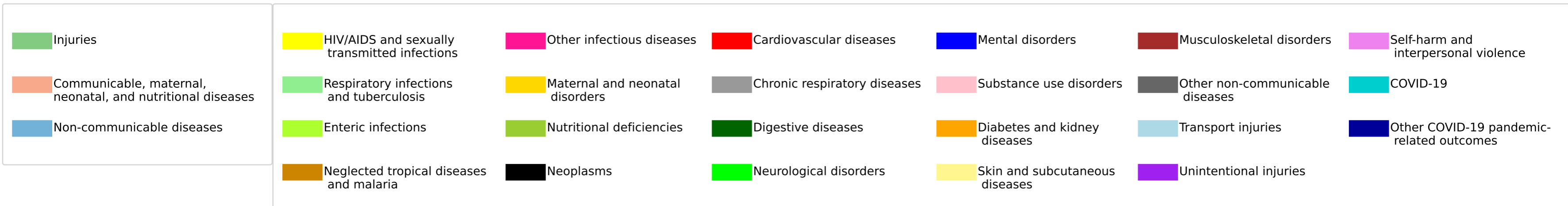
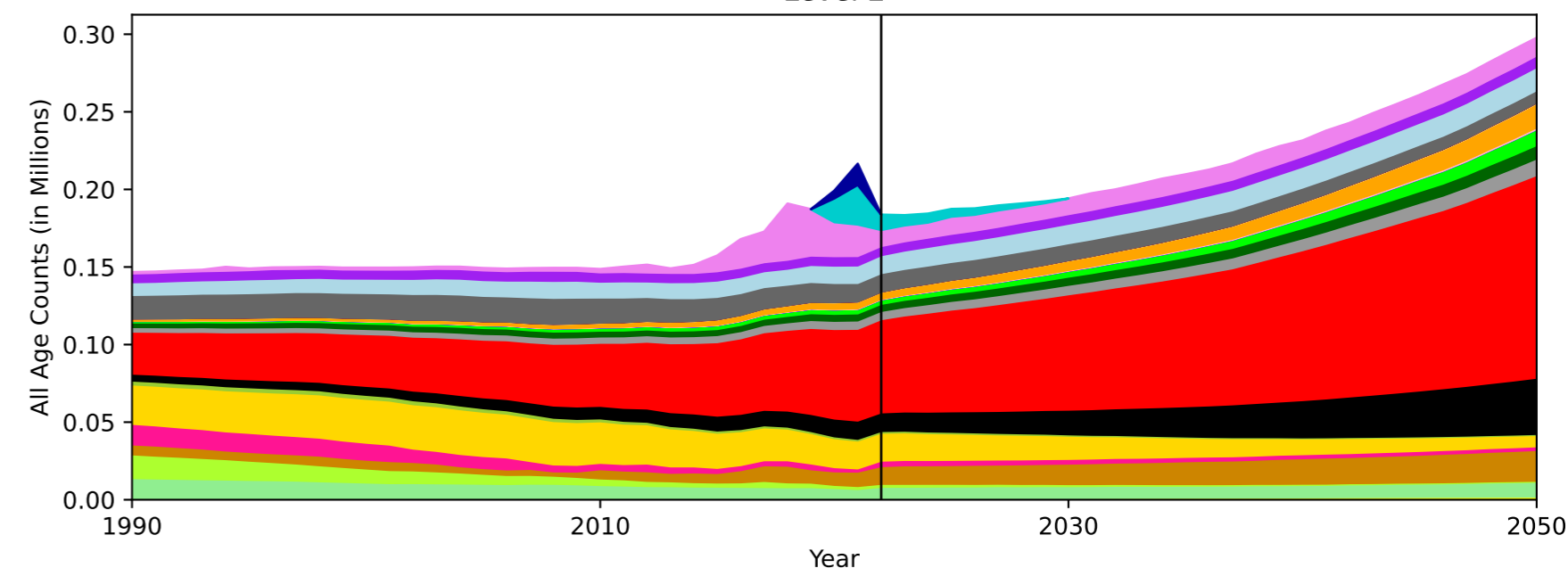
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Level 1

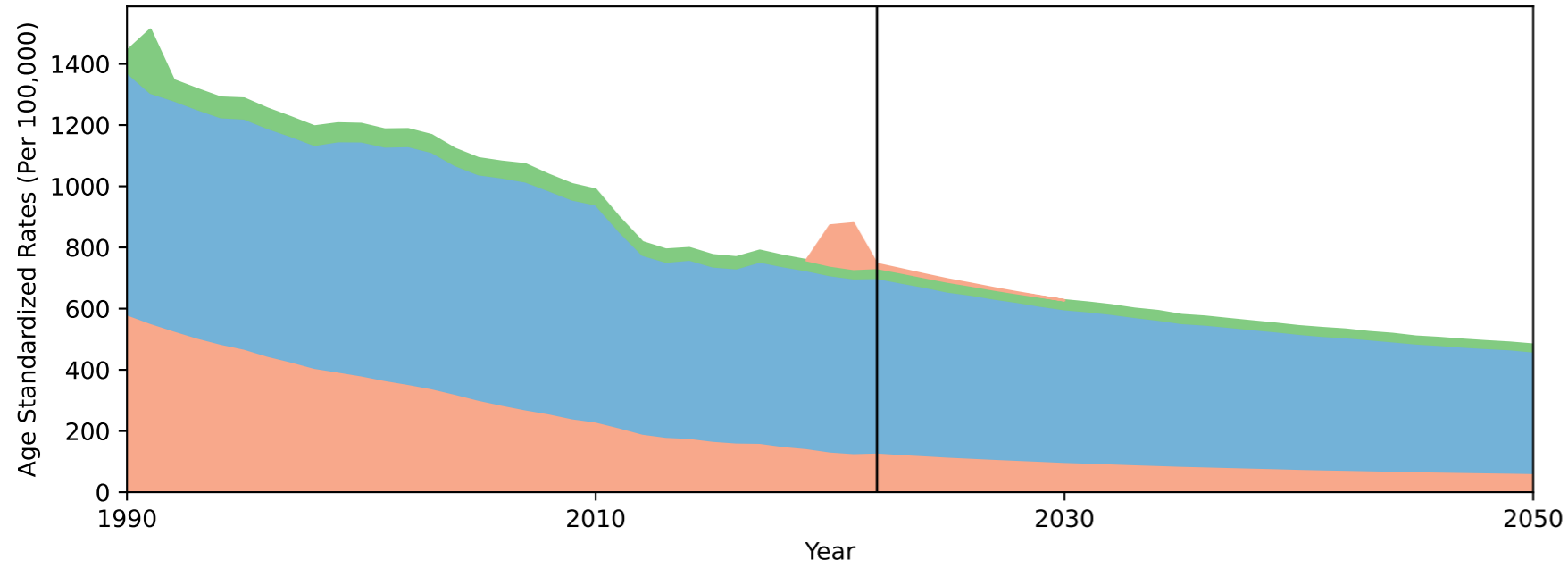


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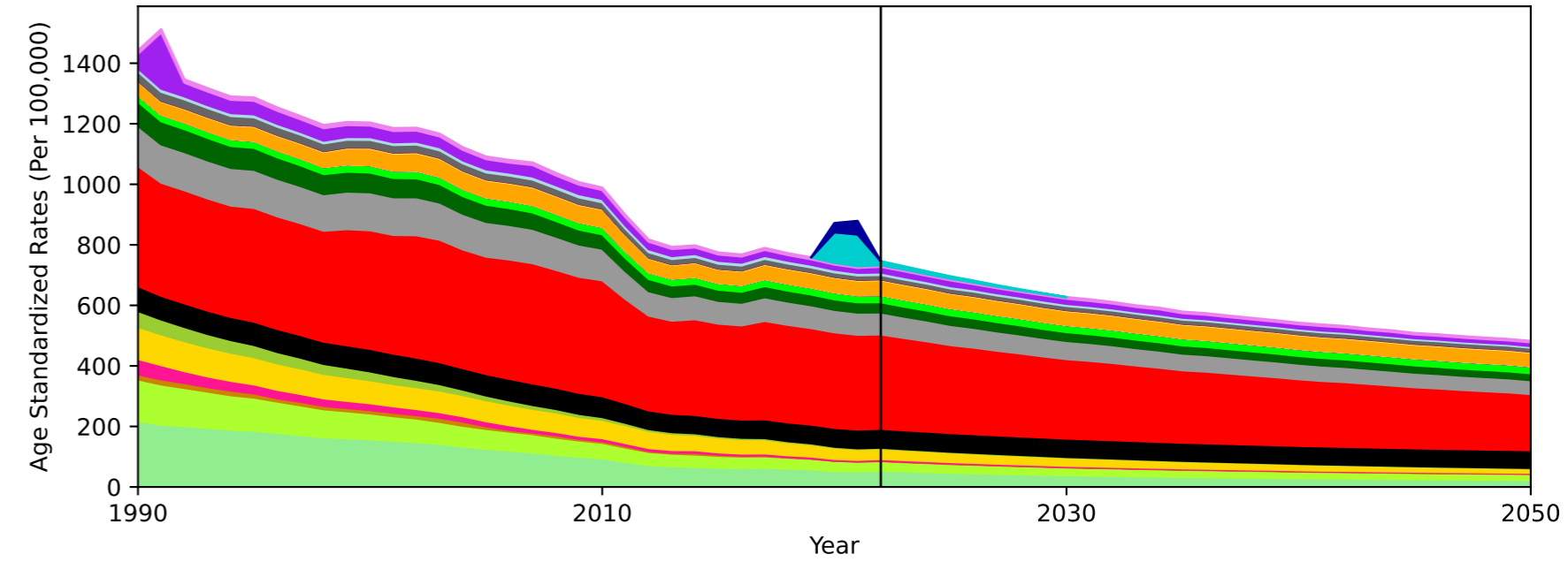


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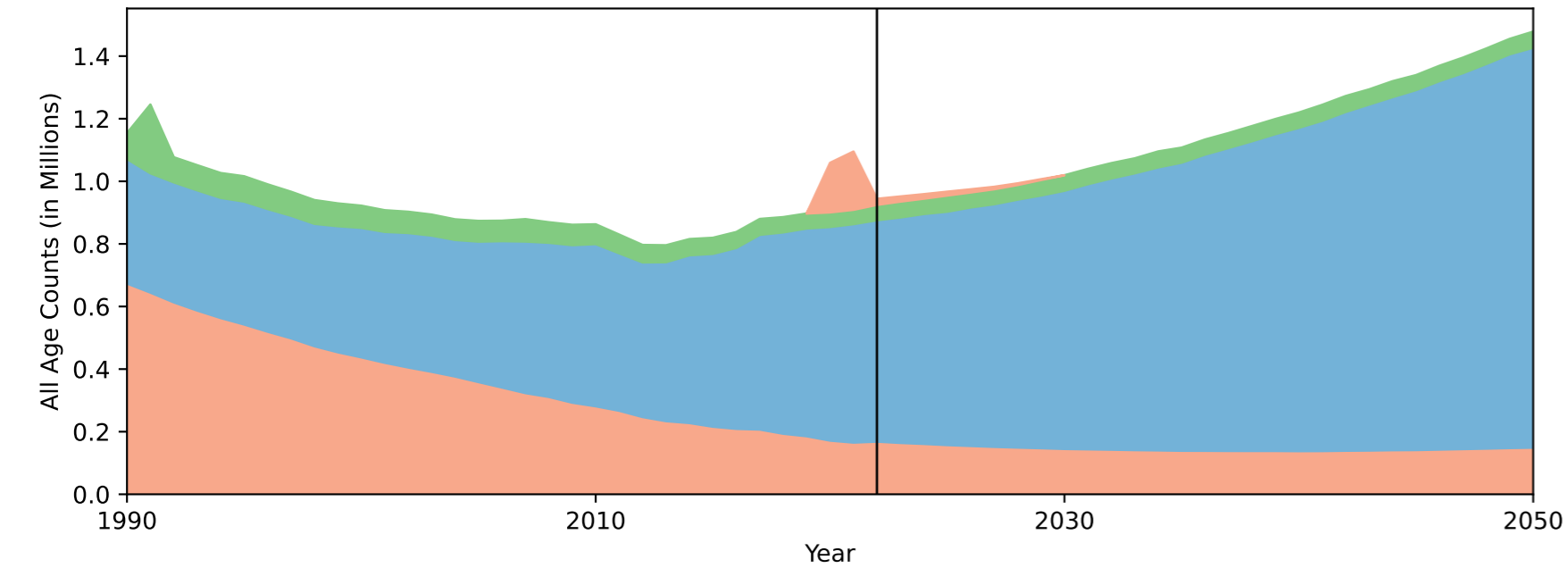
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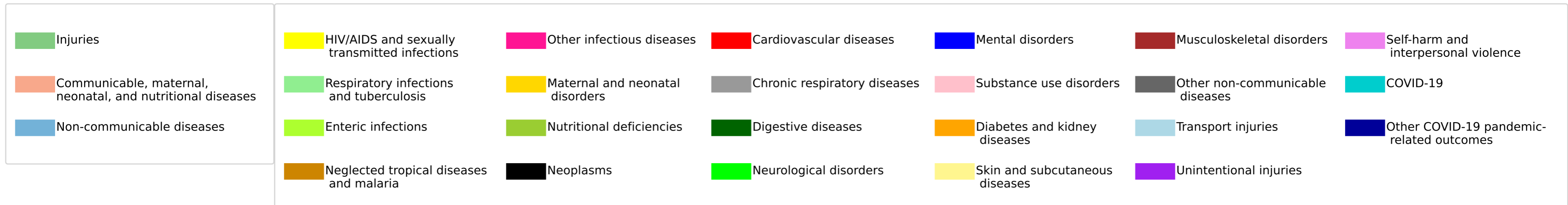
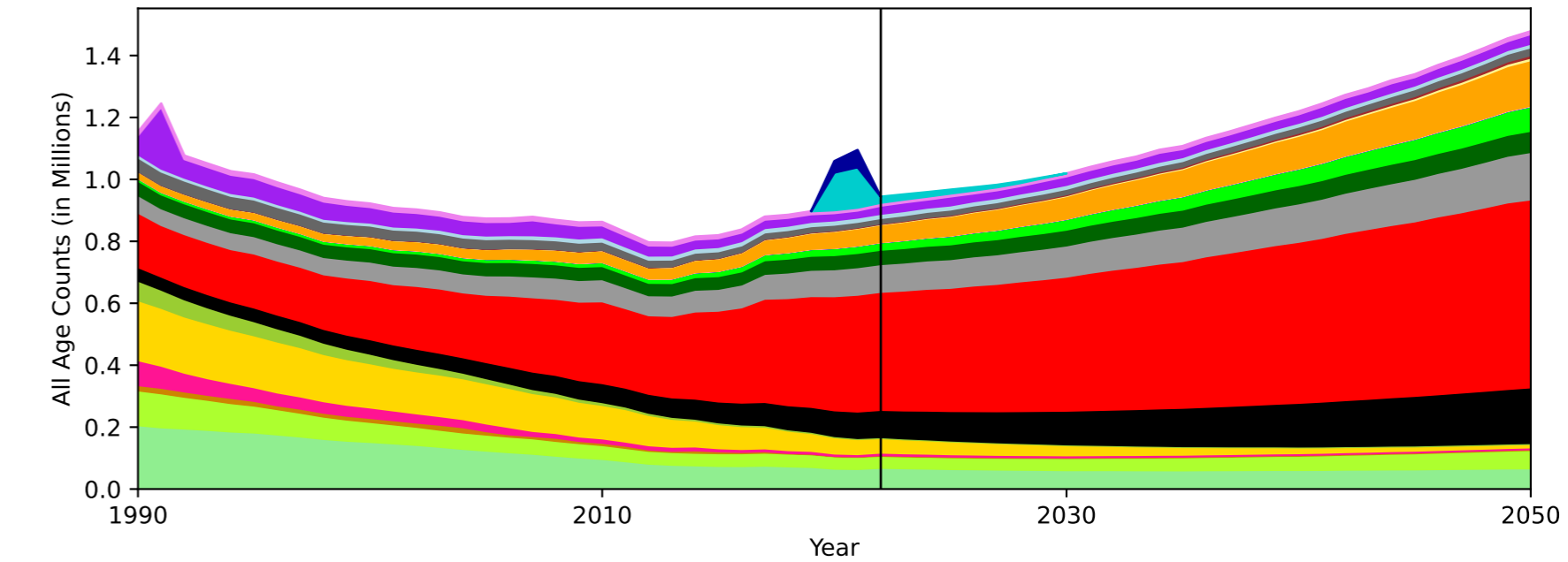
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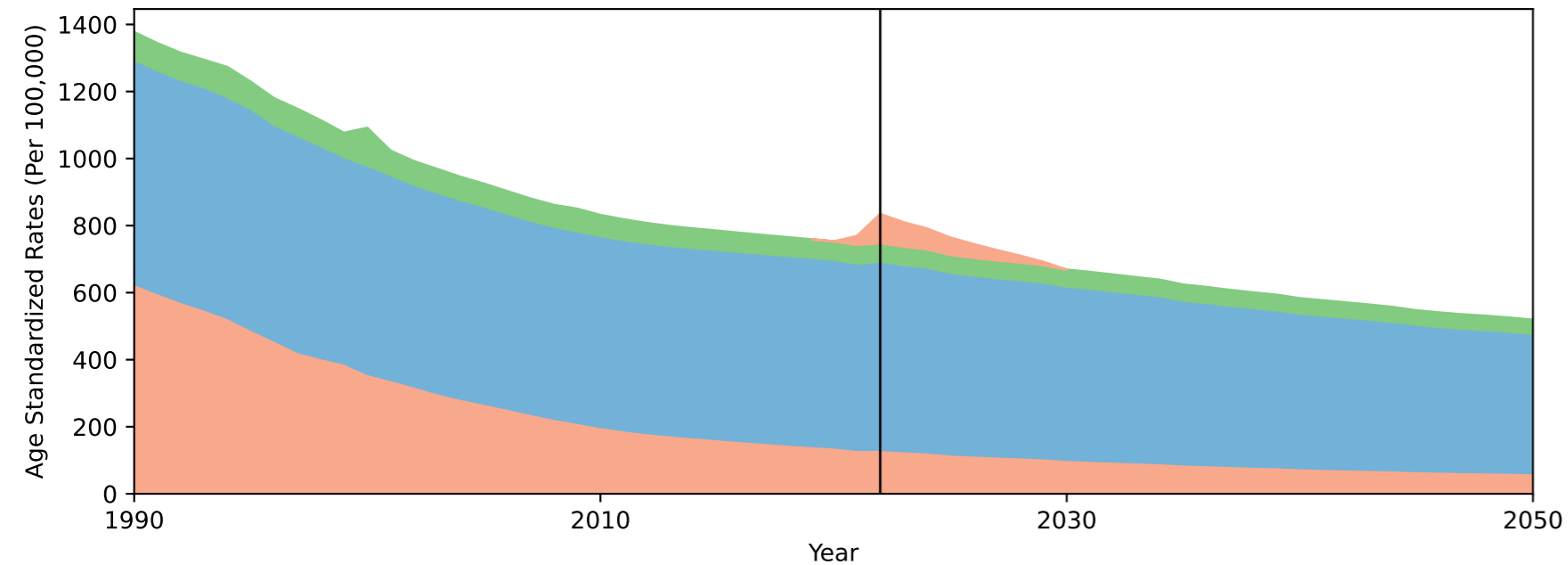
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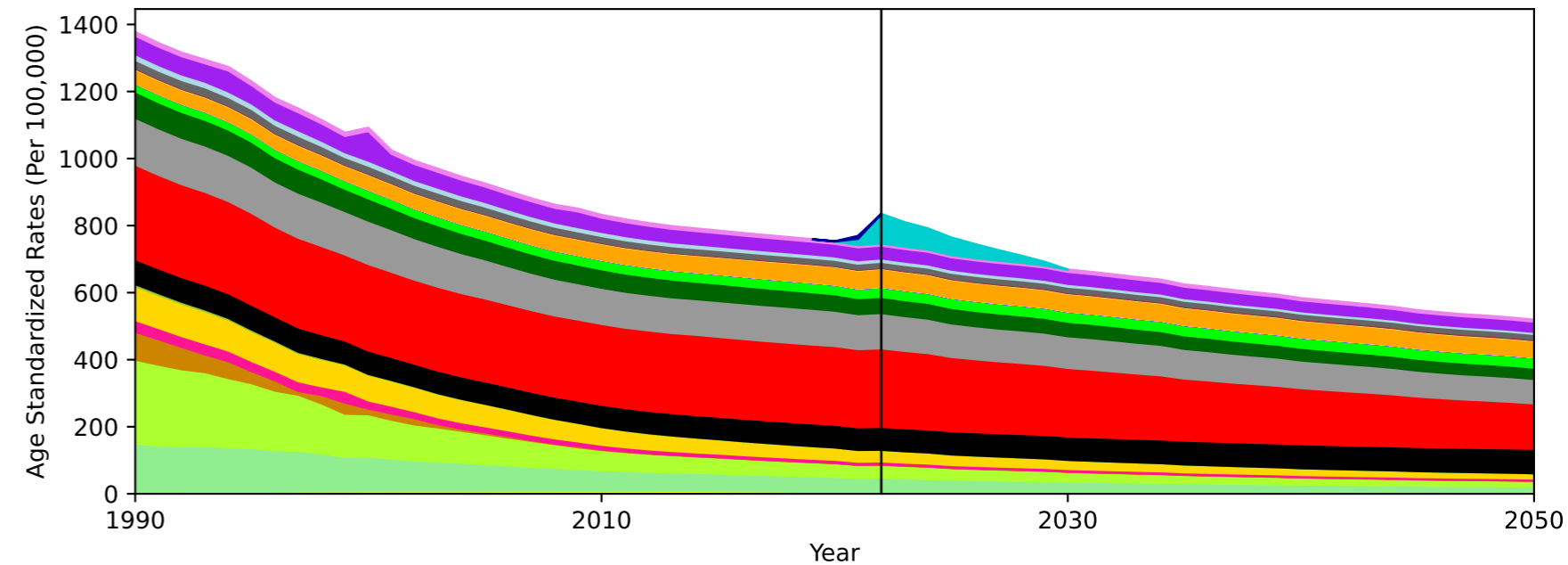
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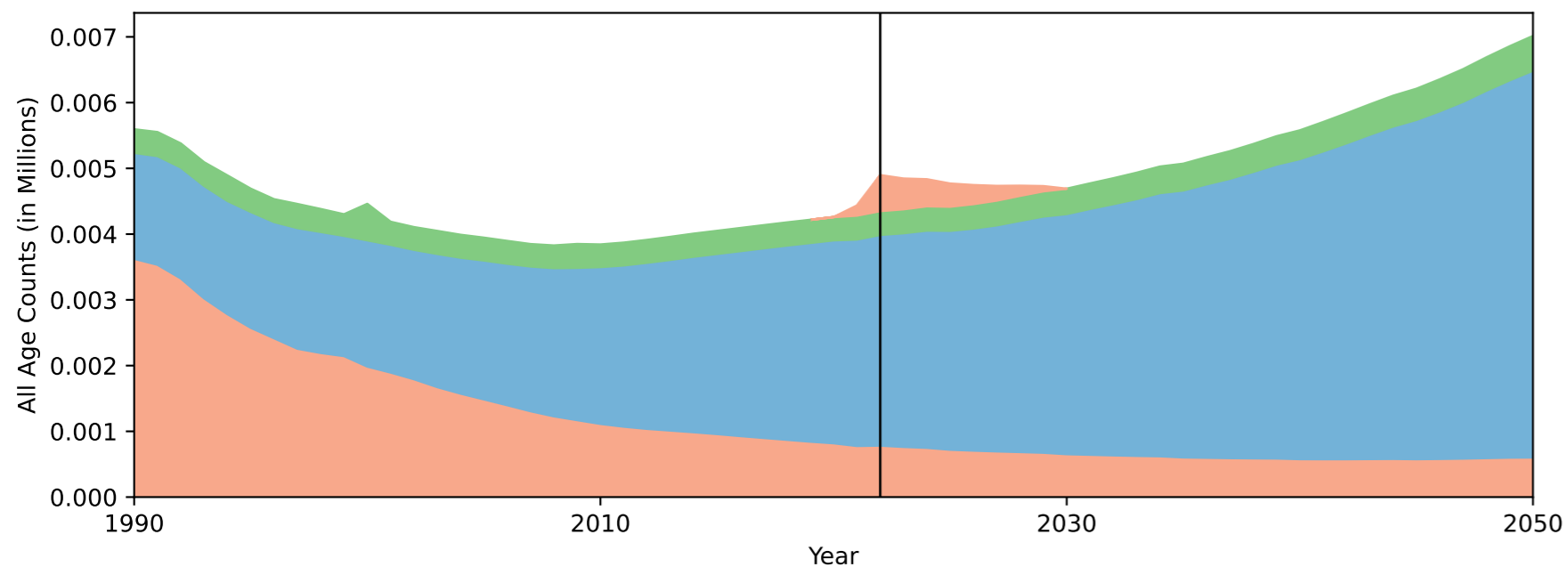
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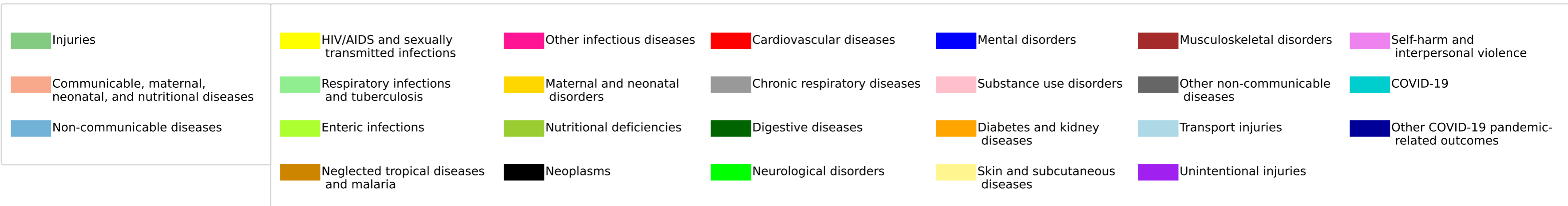
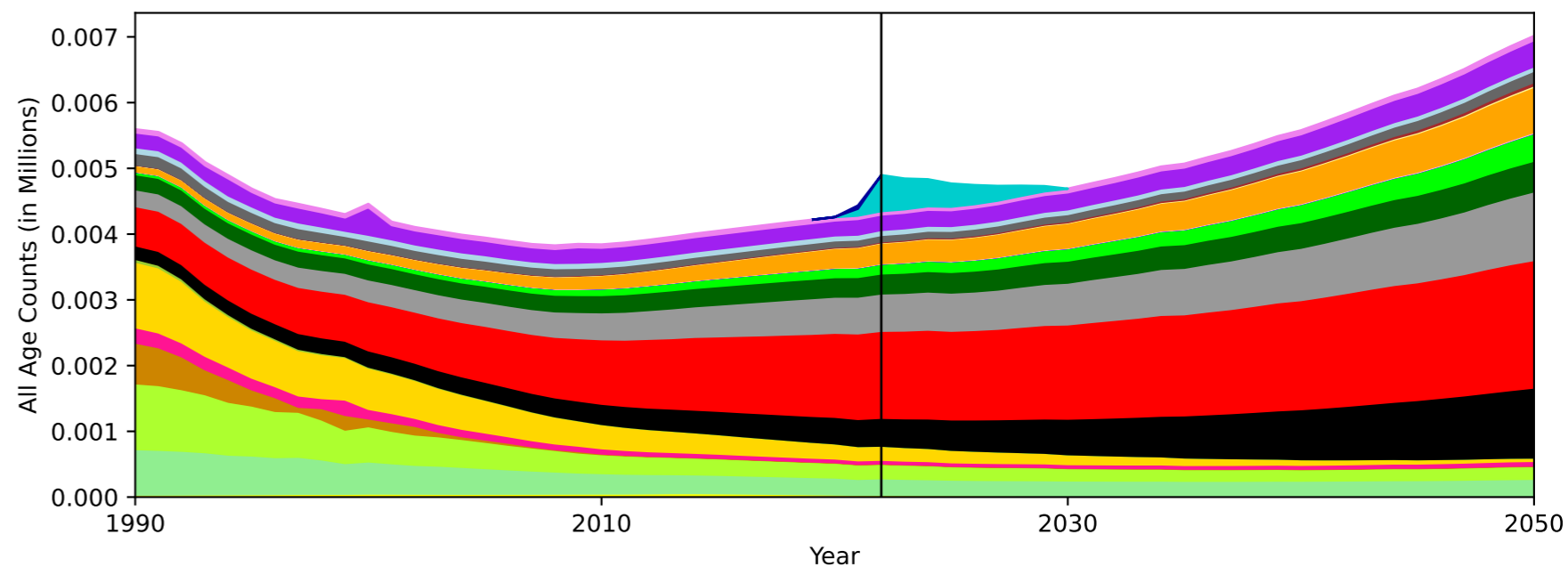
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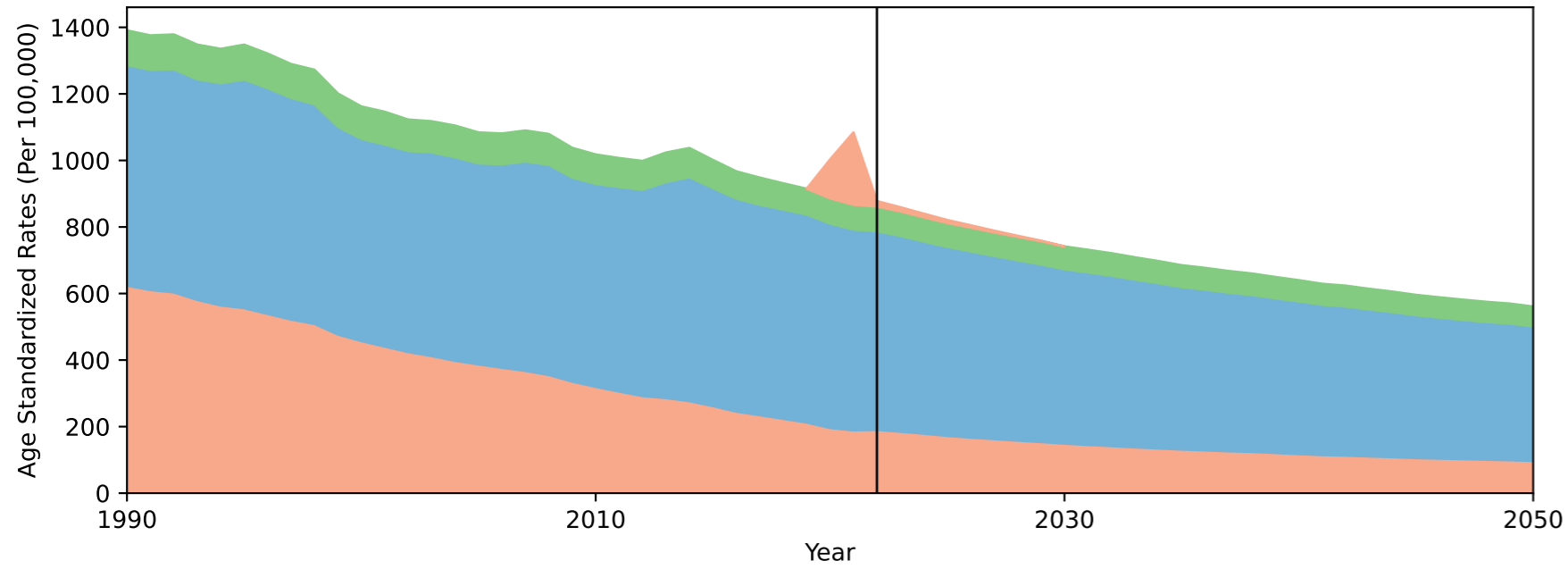
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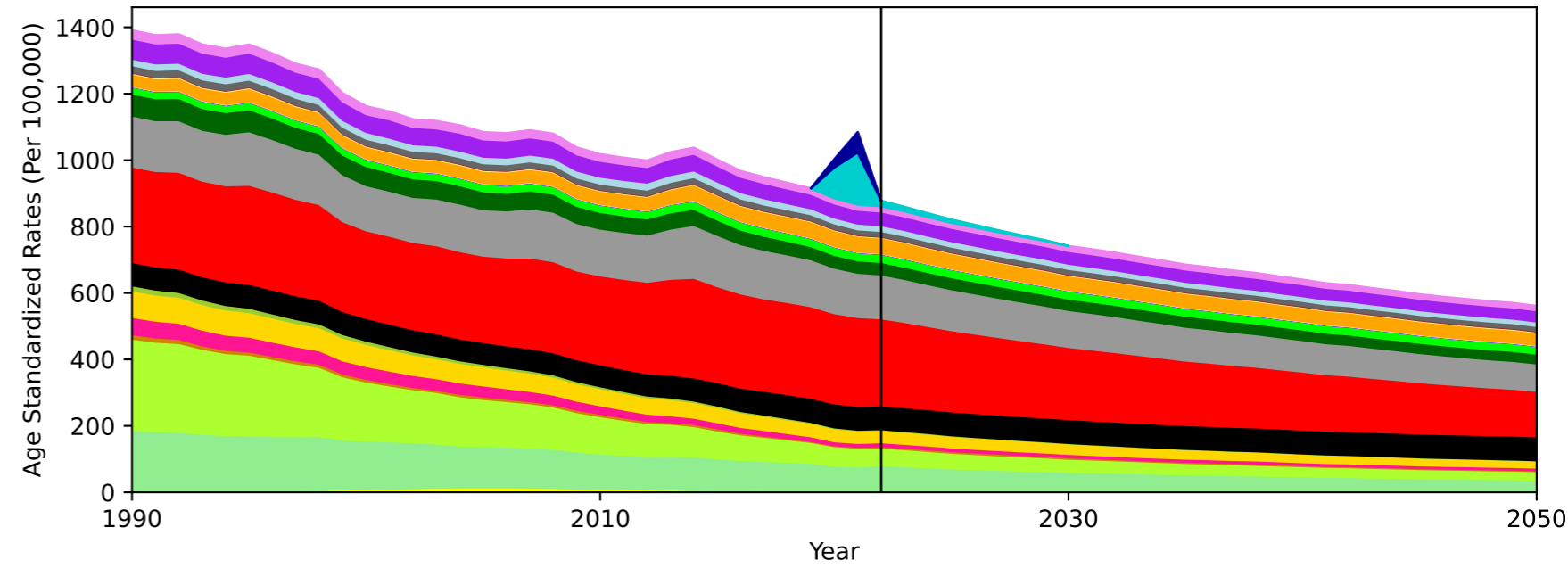
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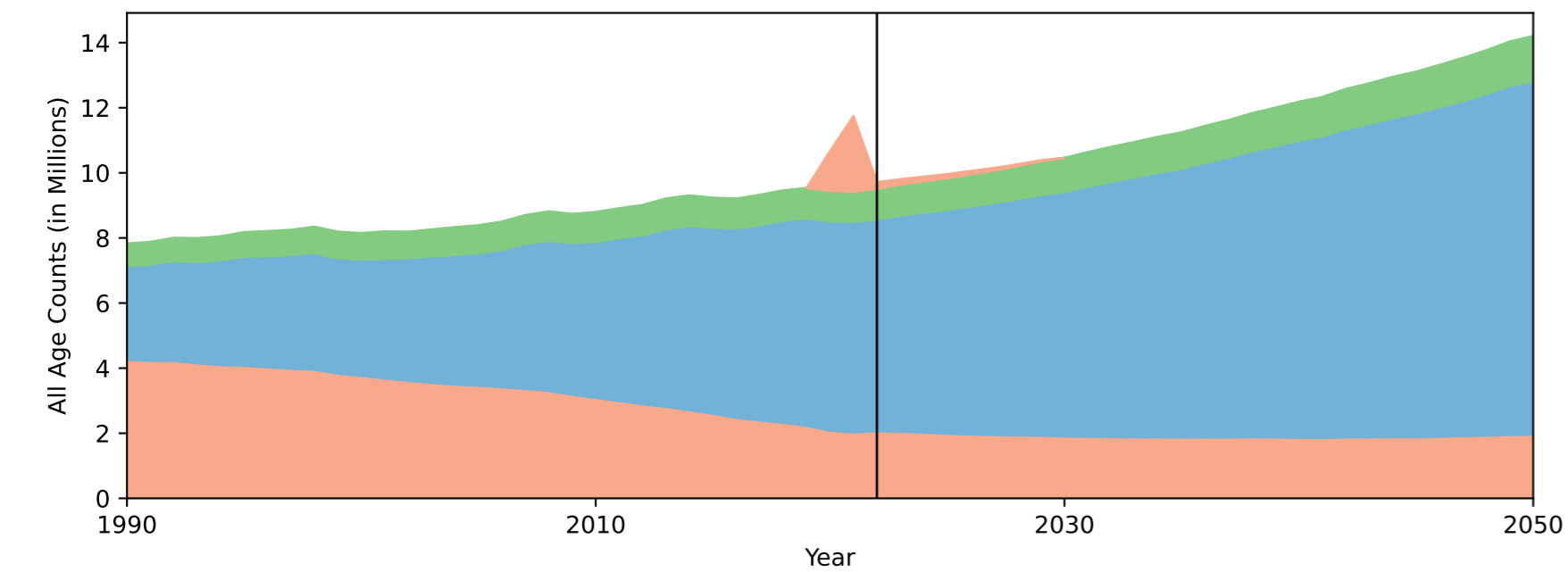
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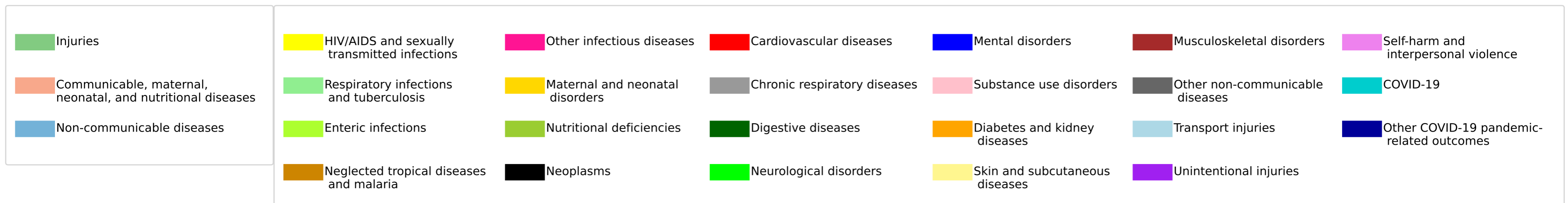
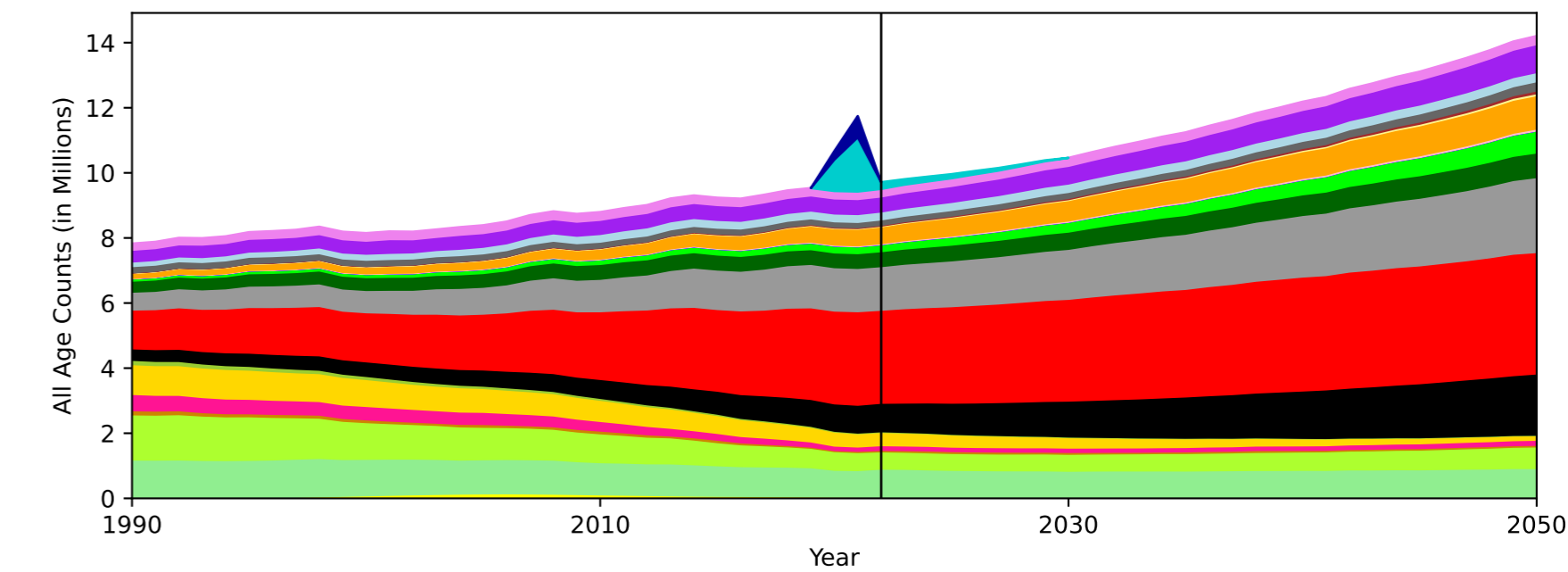
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Level 1

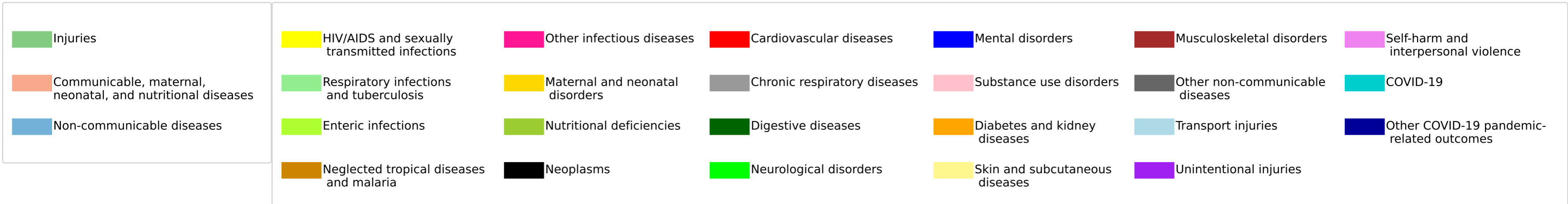
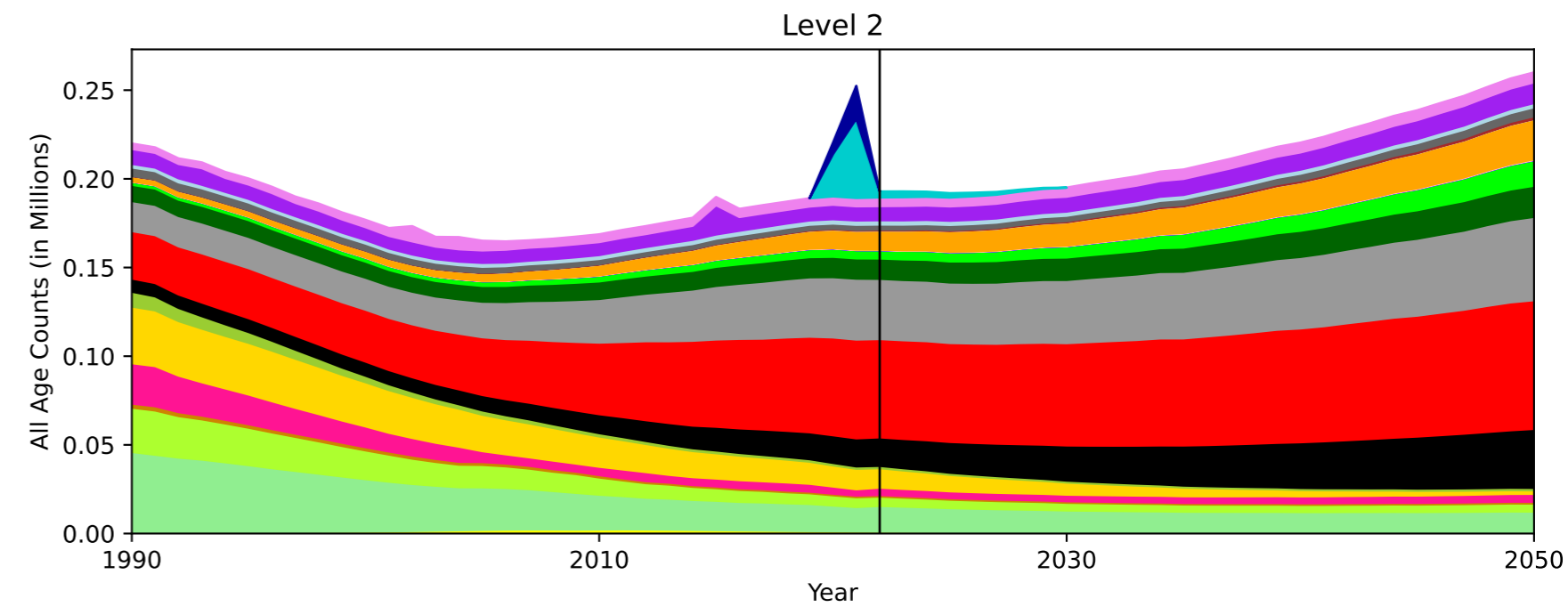
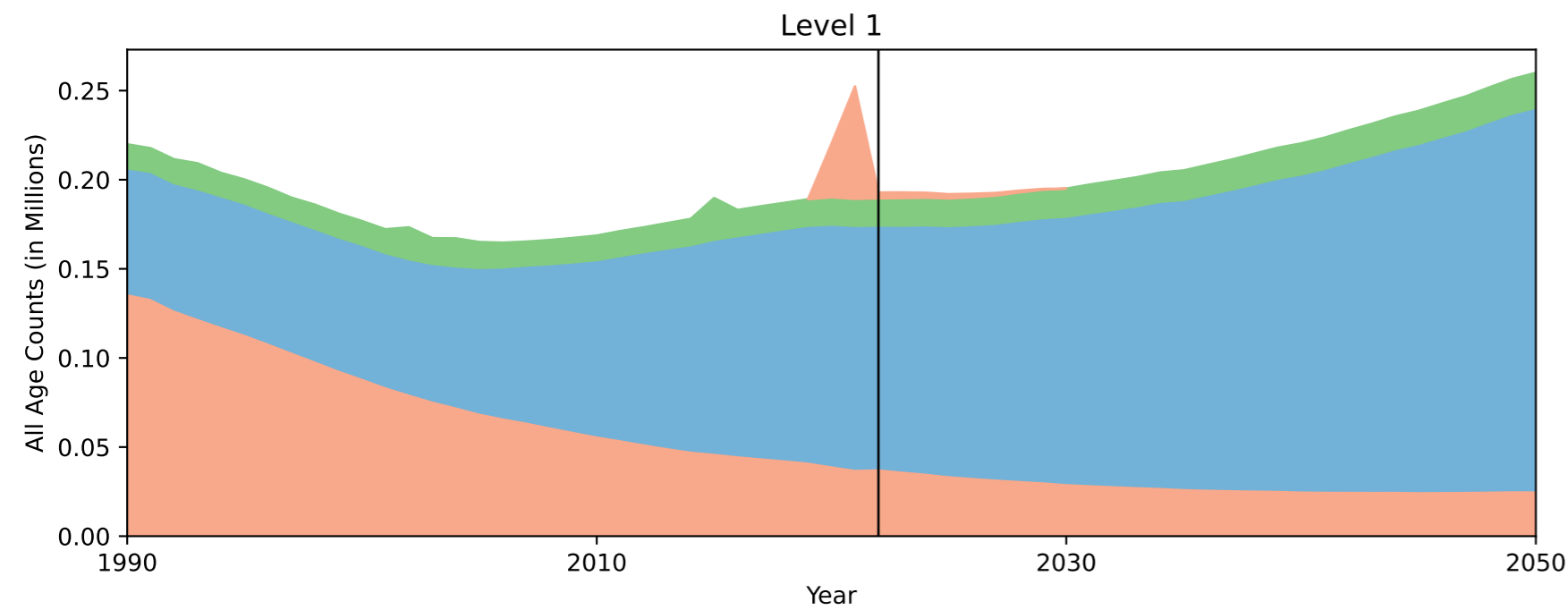
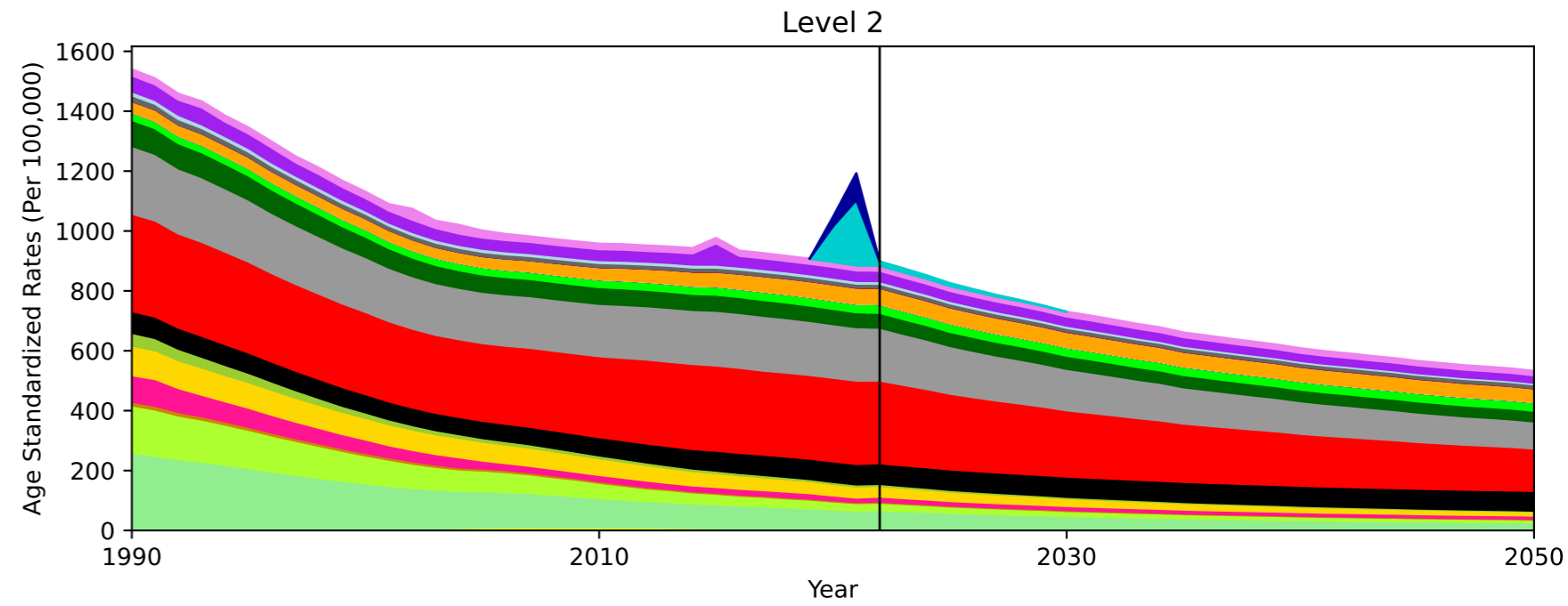
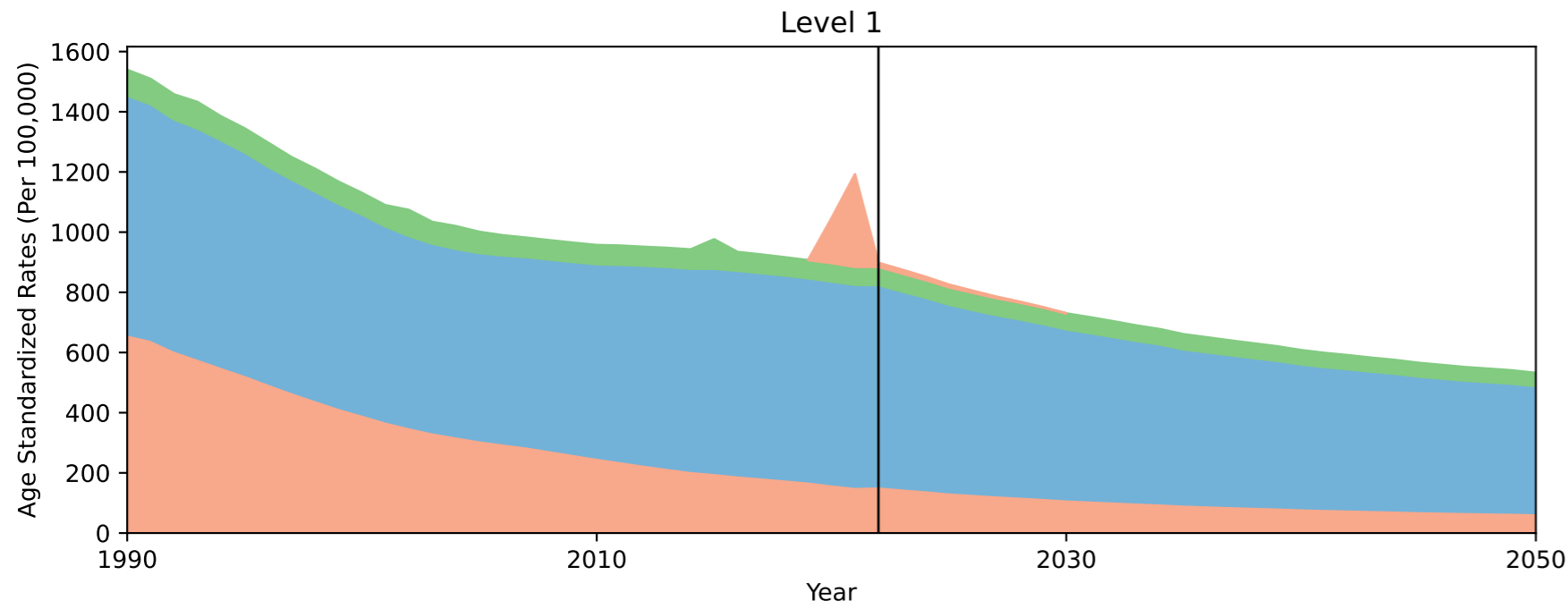


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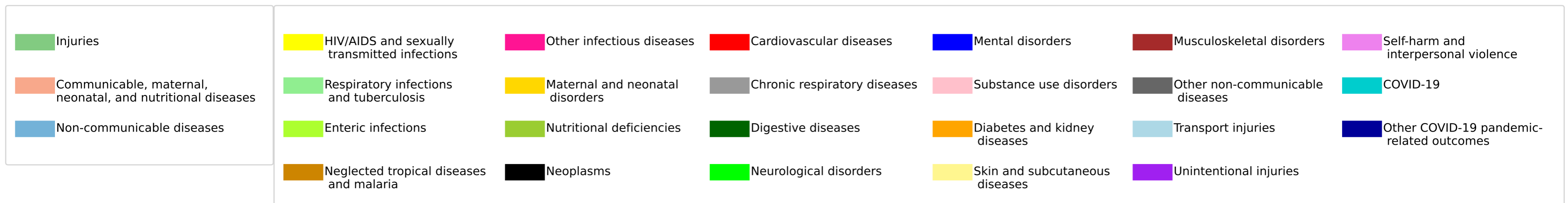
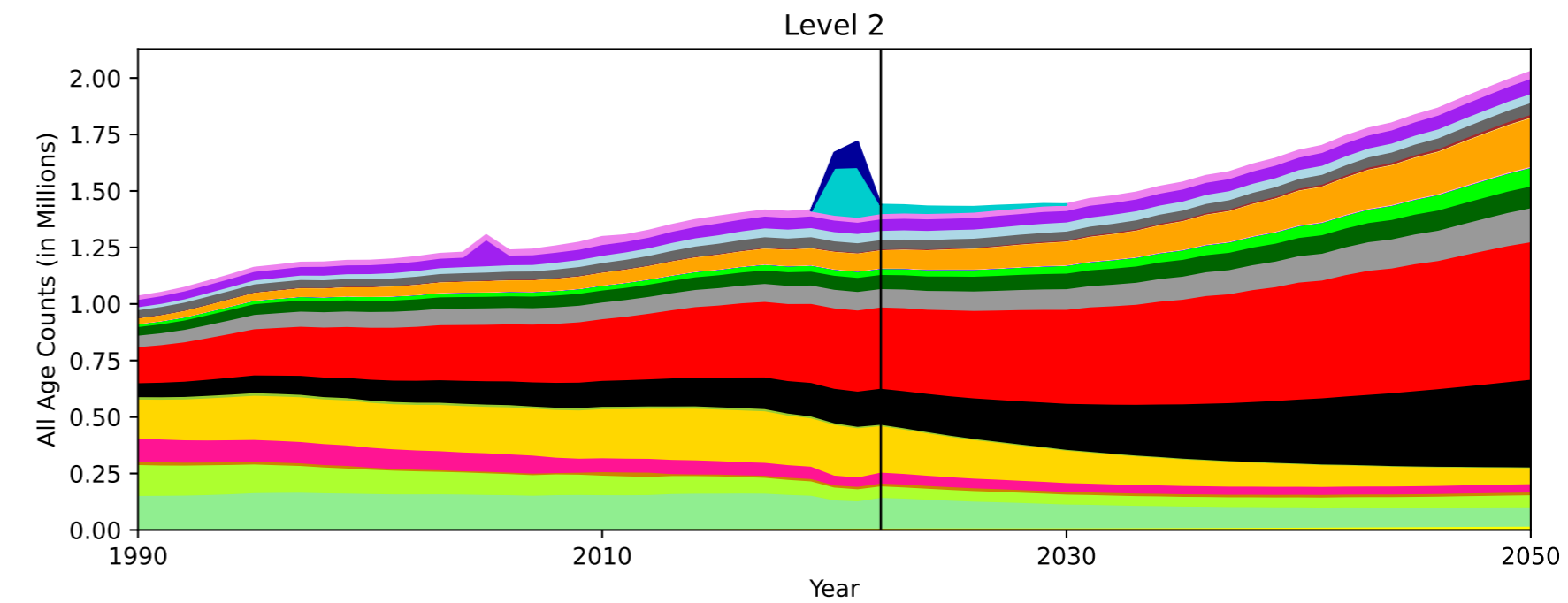
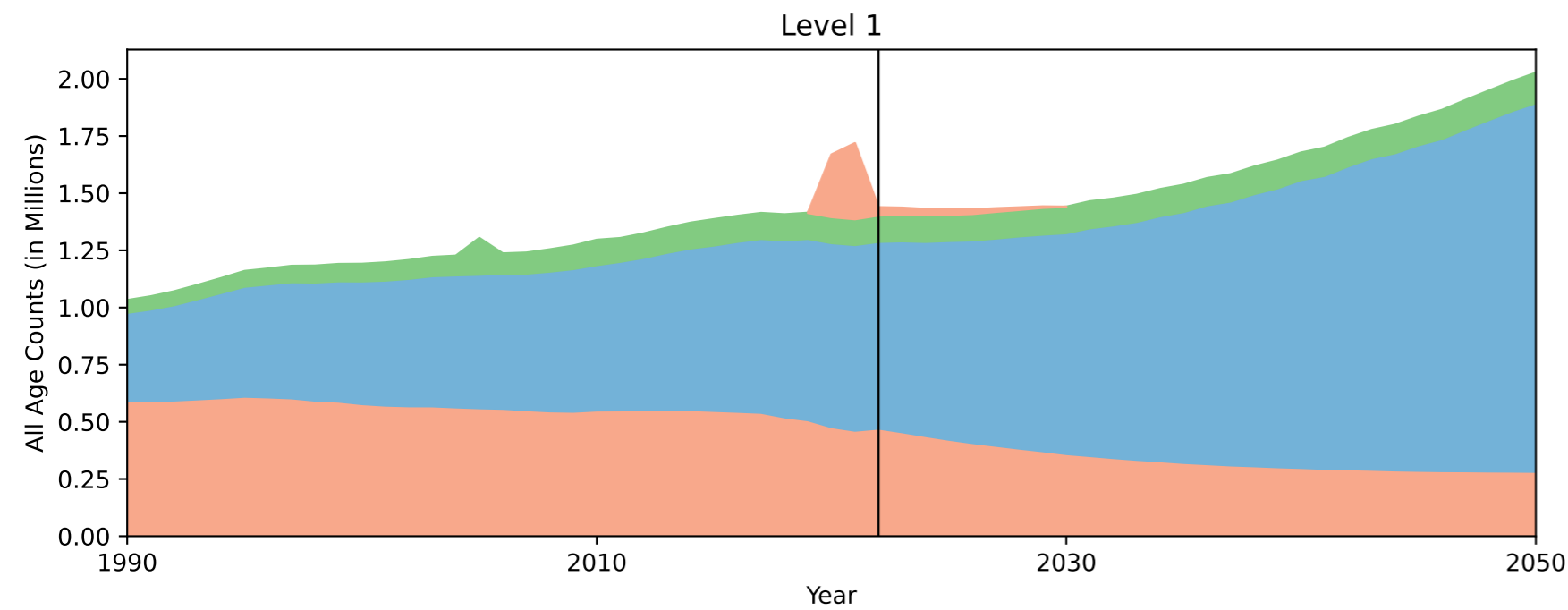
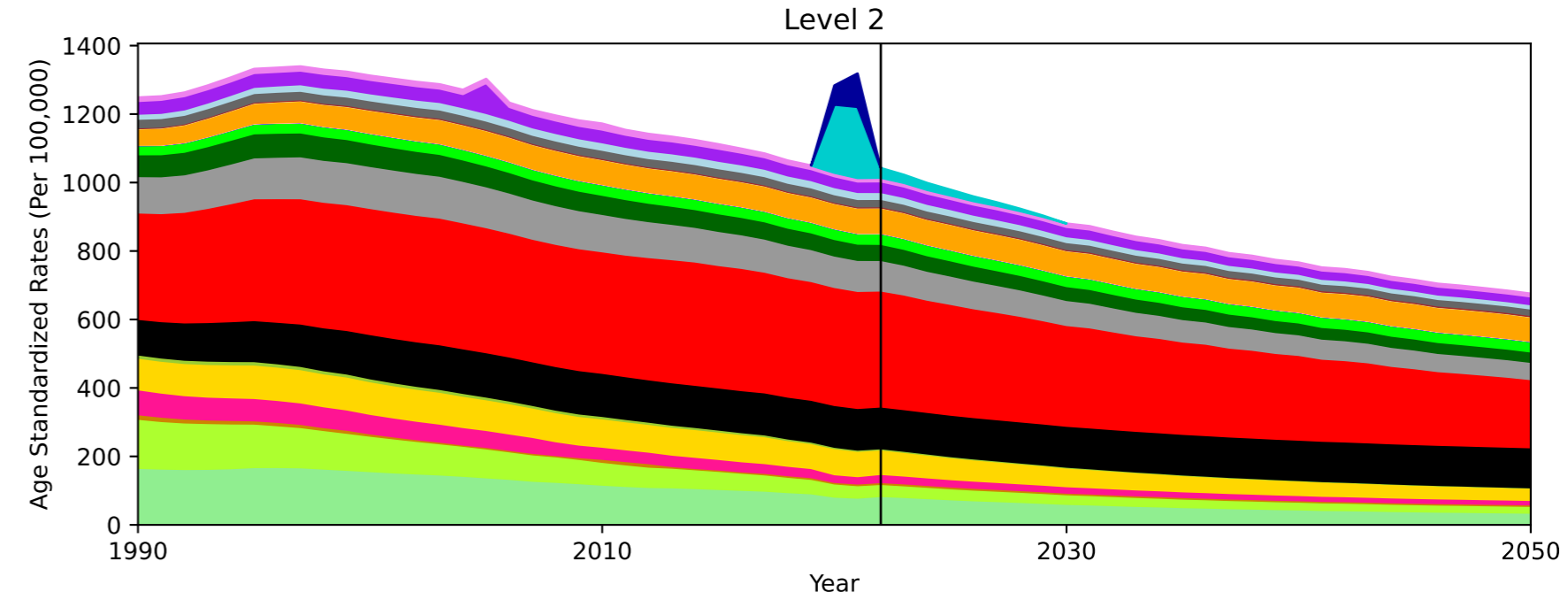
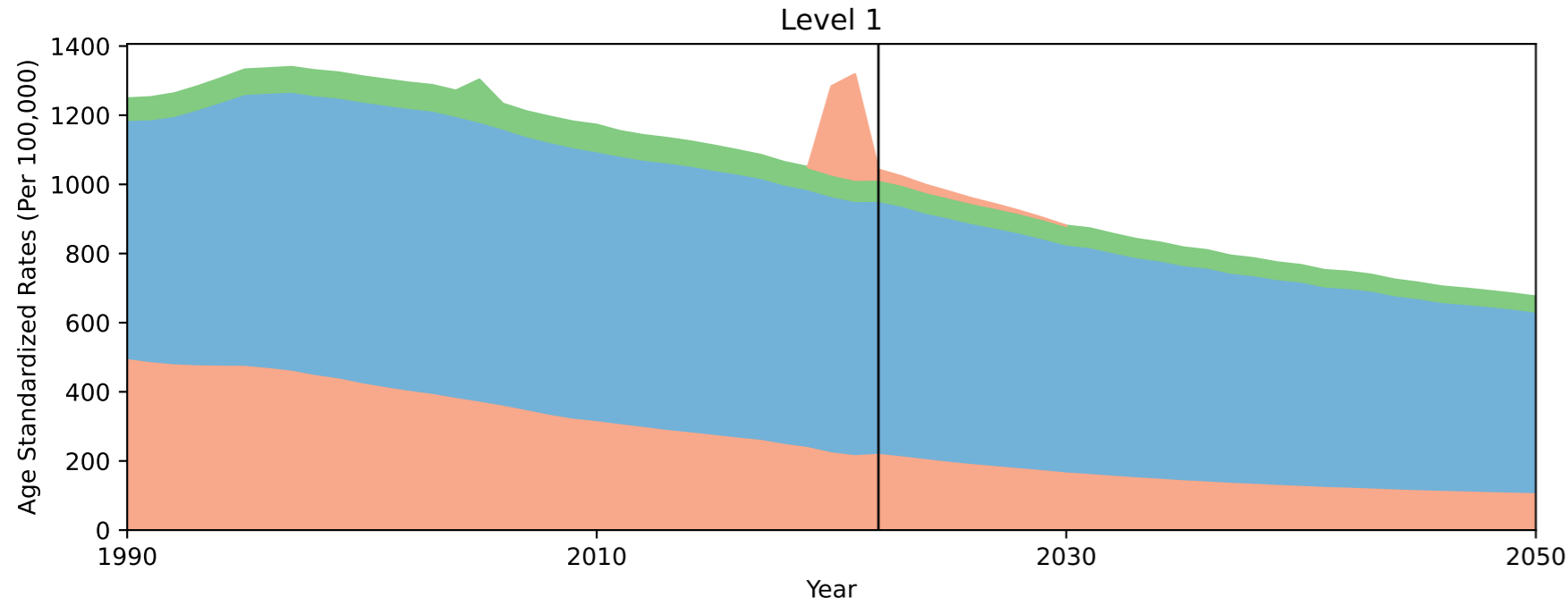




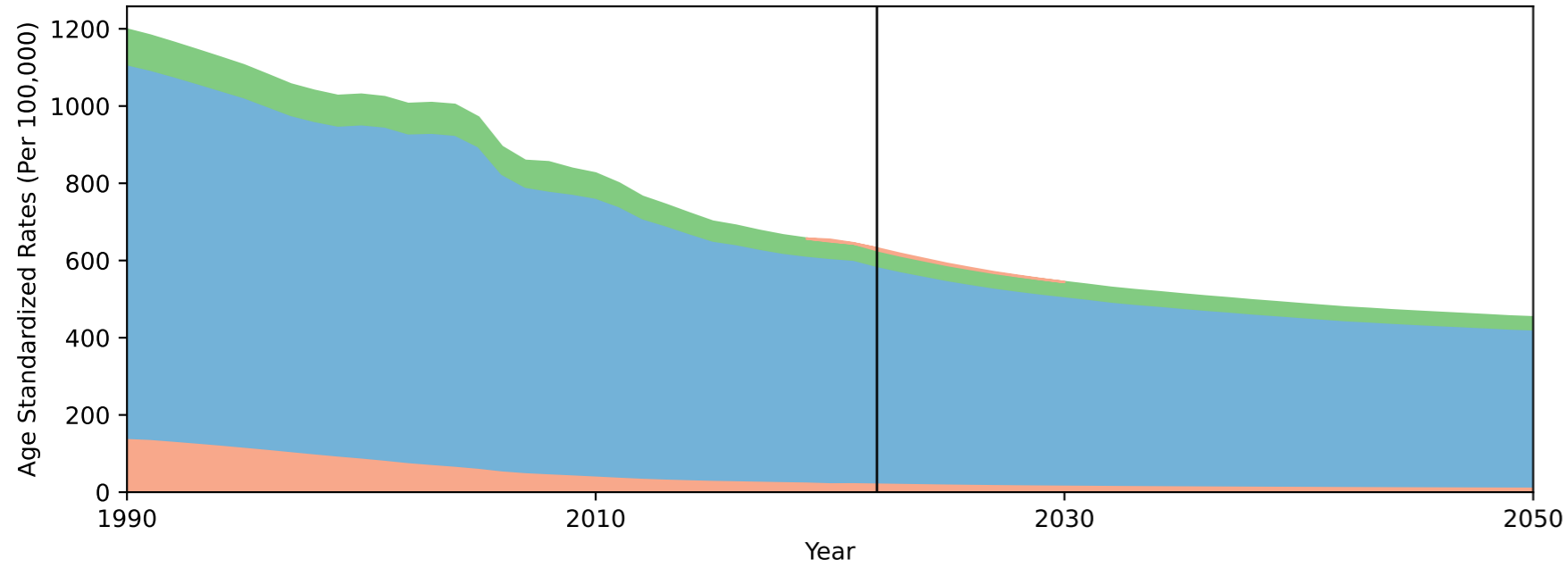
# Nepal



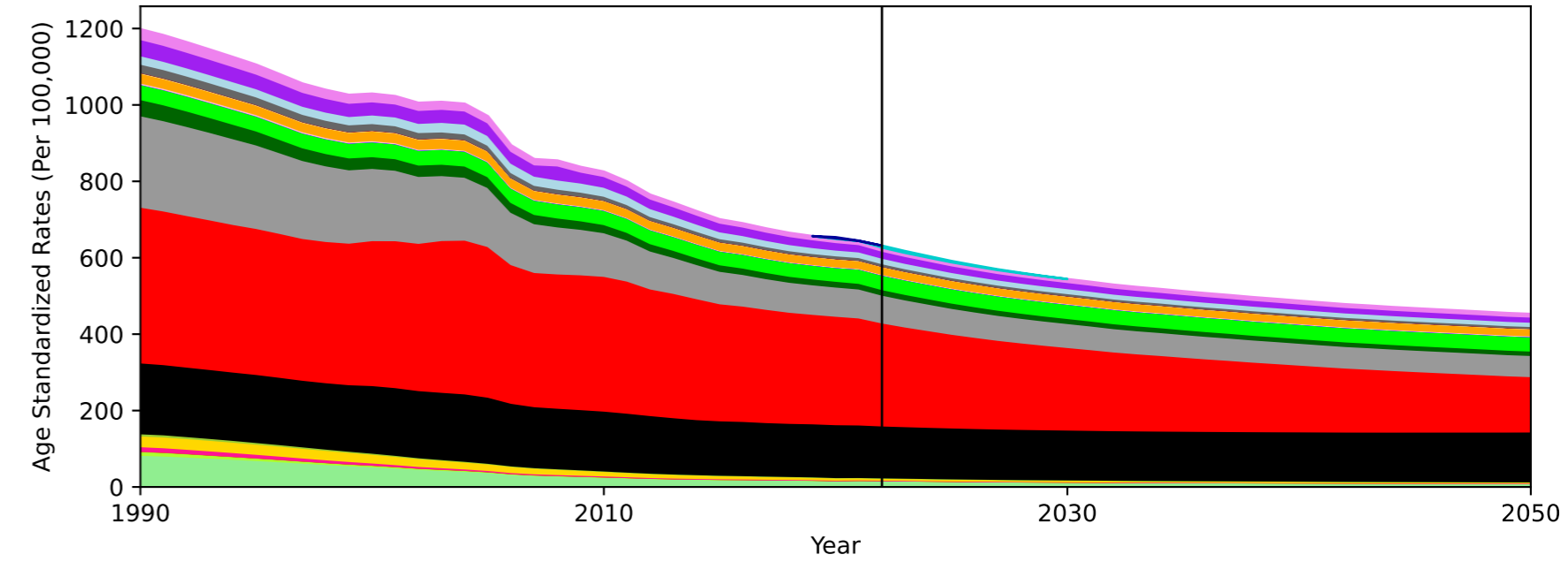
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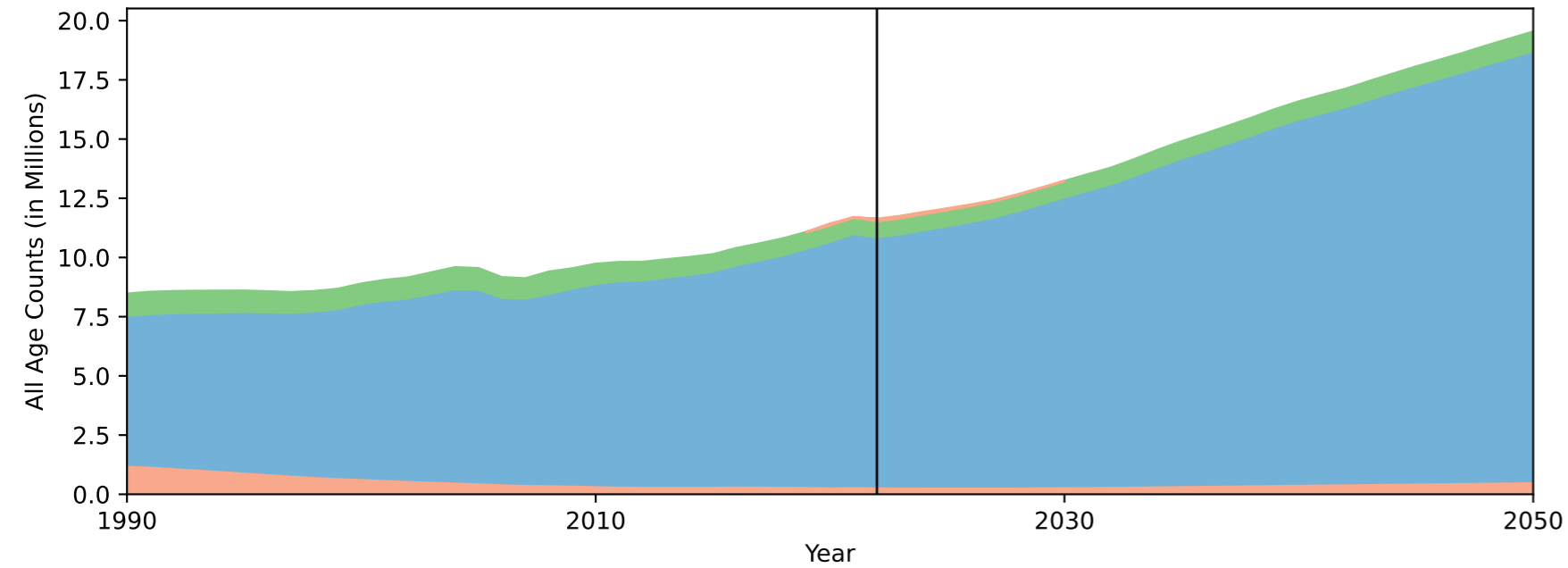
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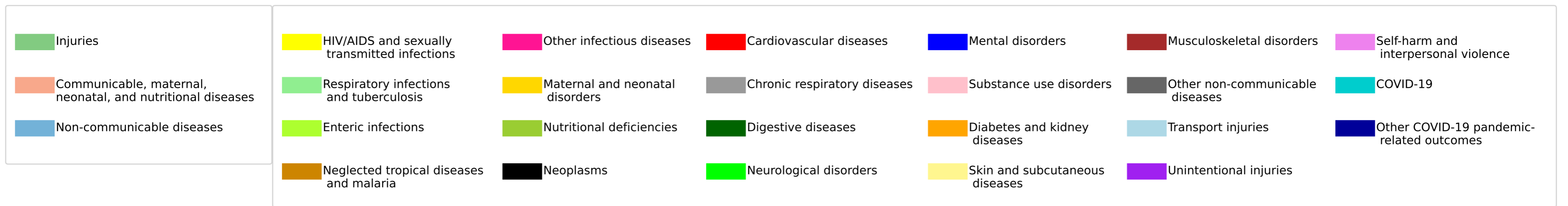
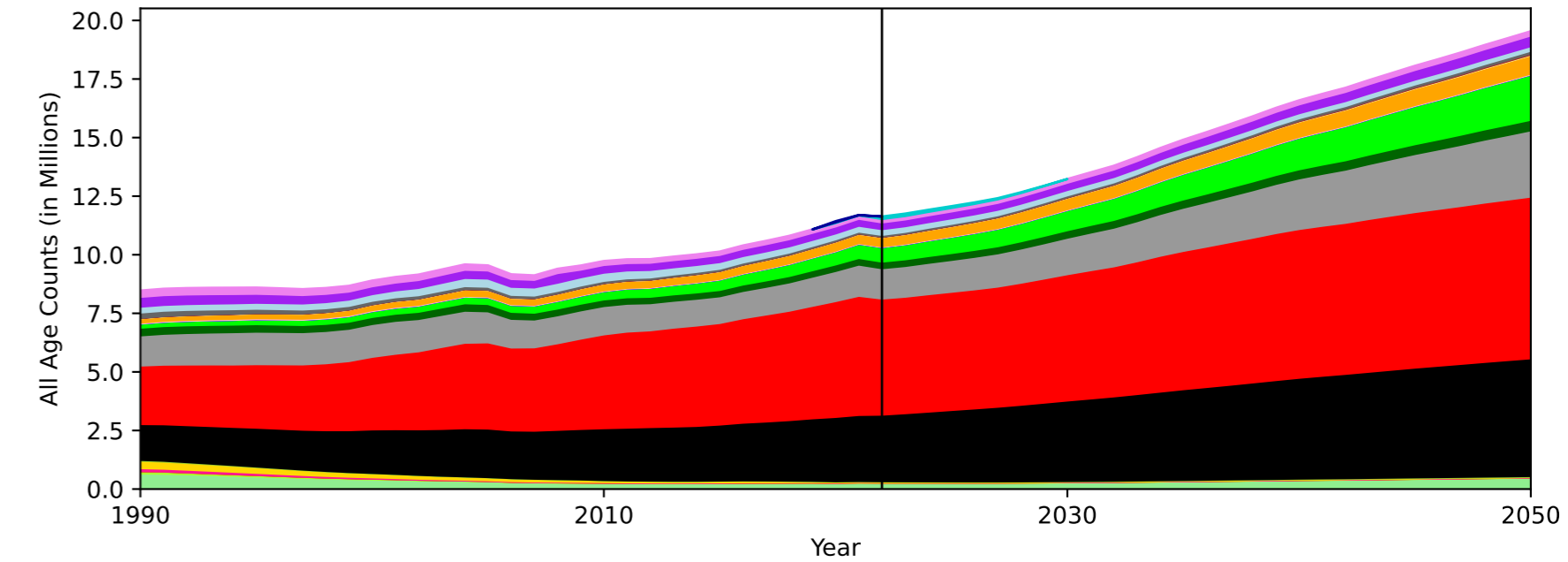
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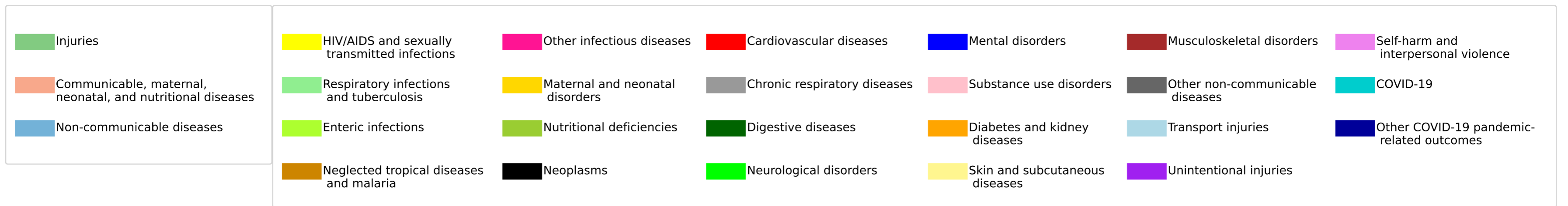
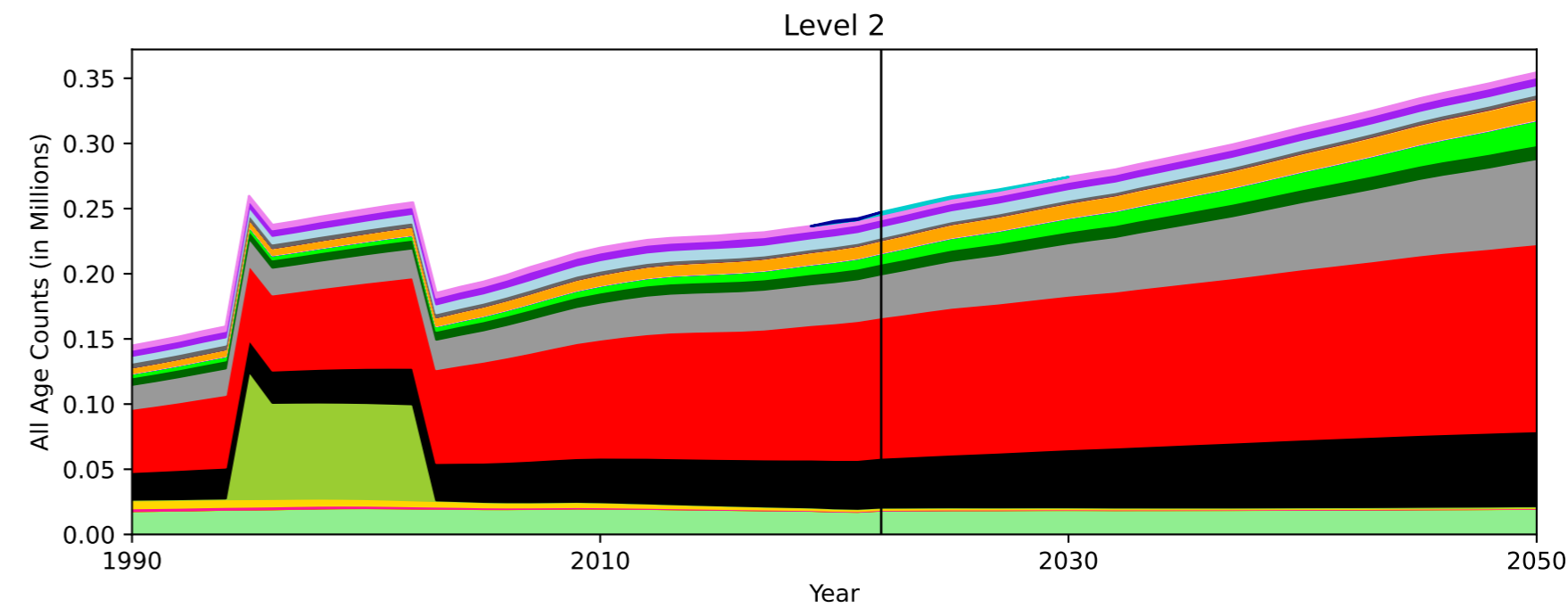
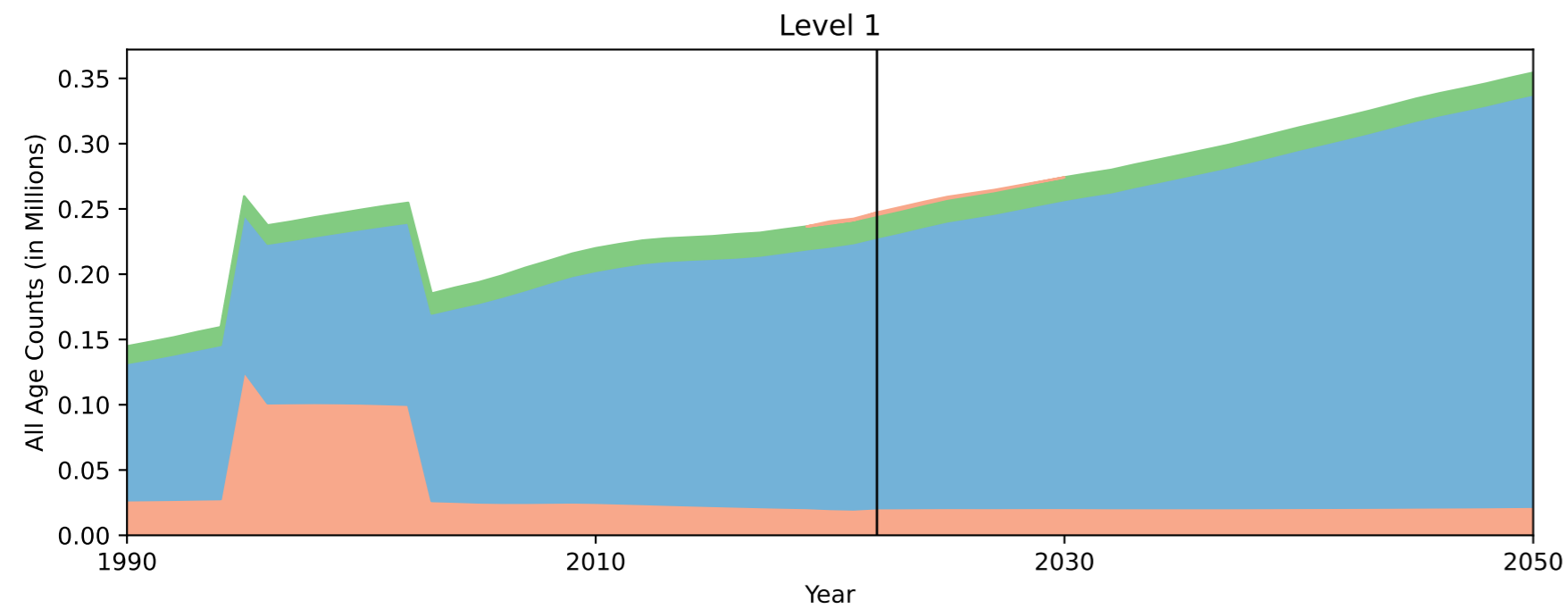
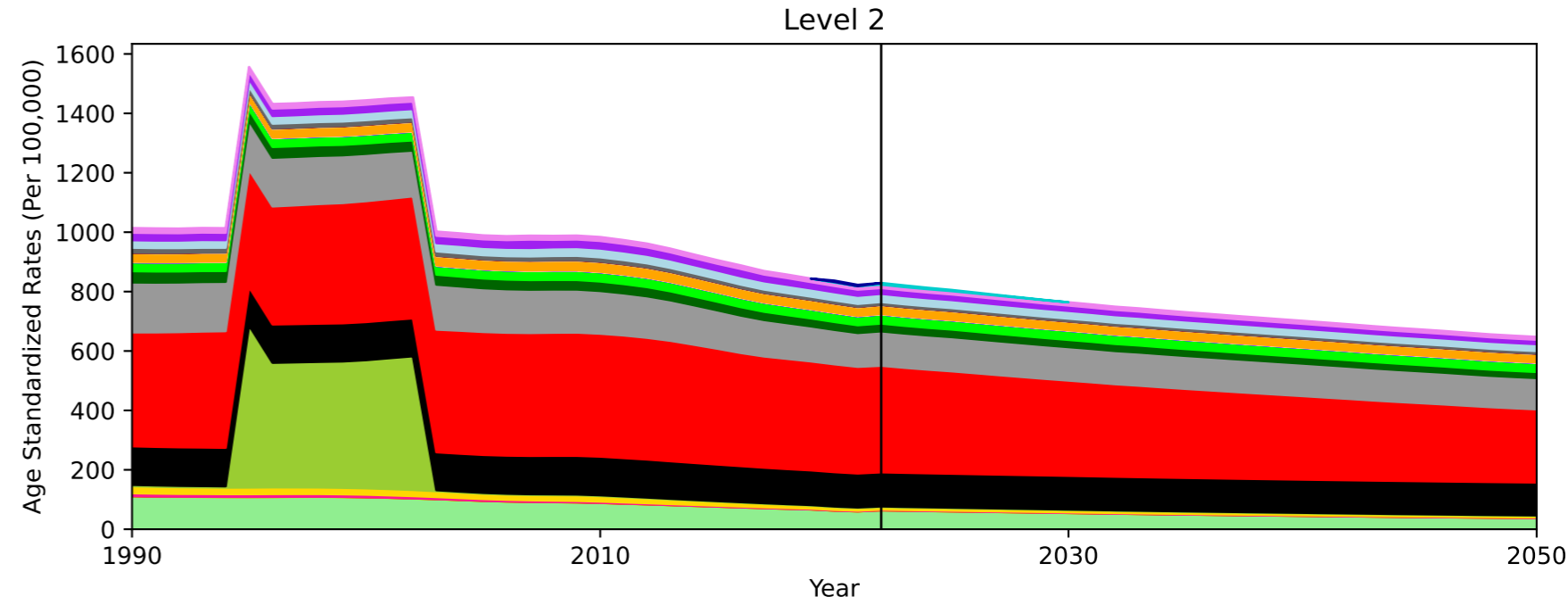
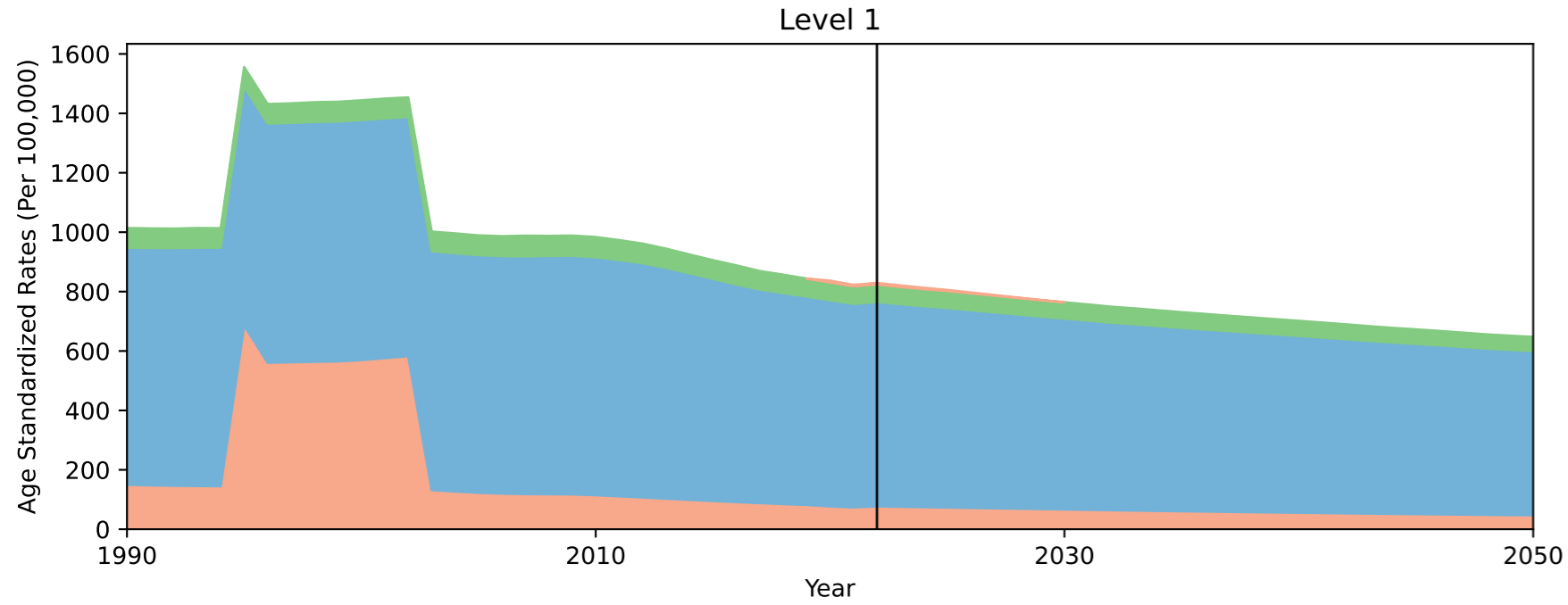
Level 1



Level 2

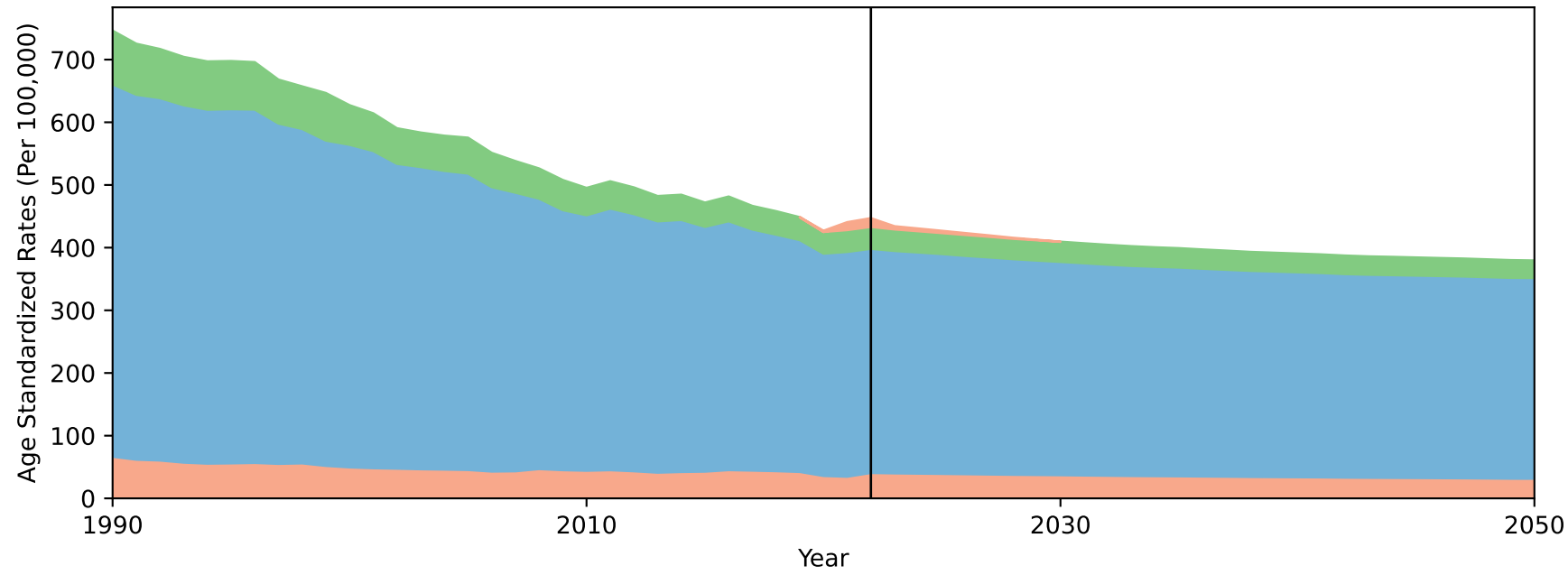


# North Korea

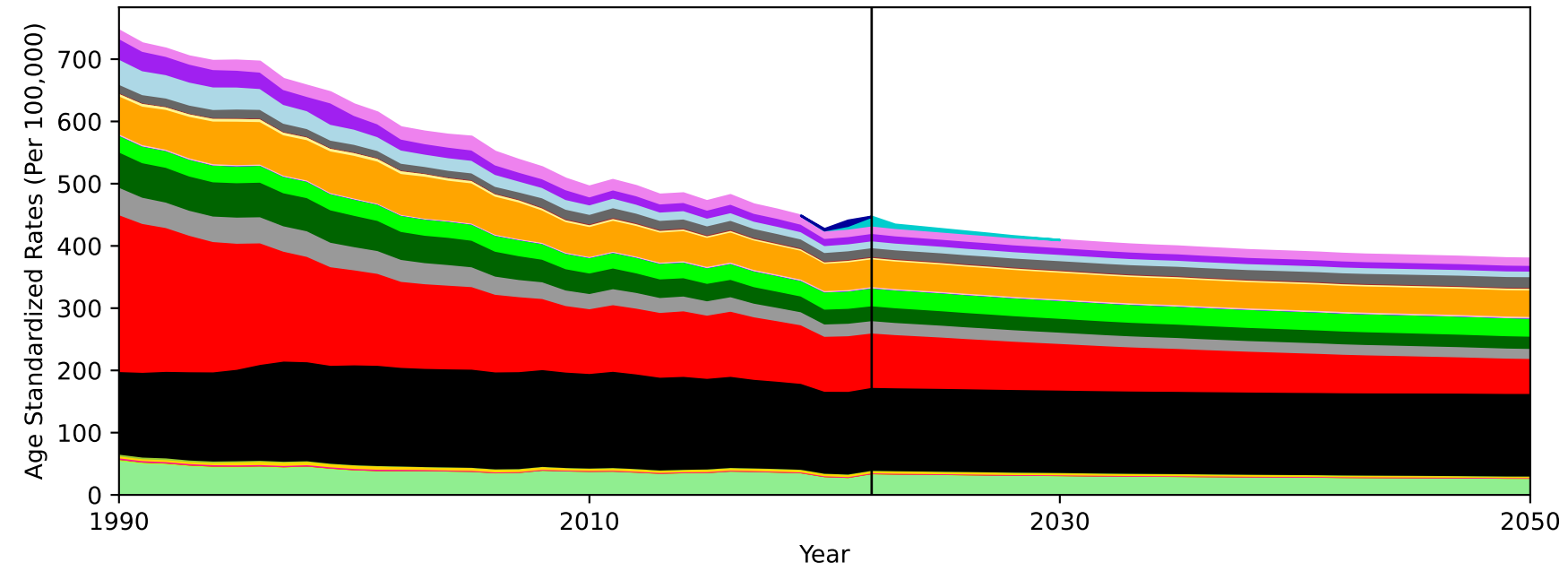


# Taiwan (Province Of China)

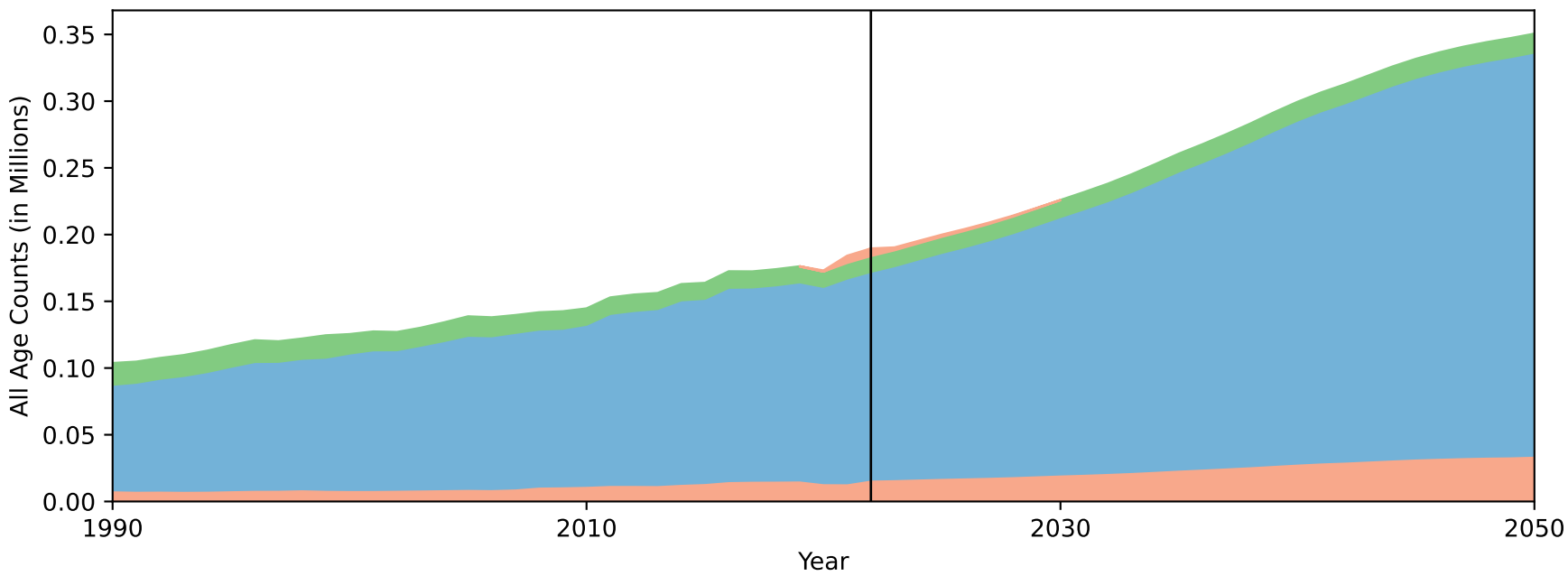
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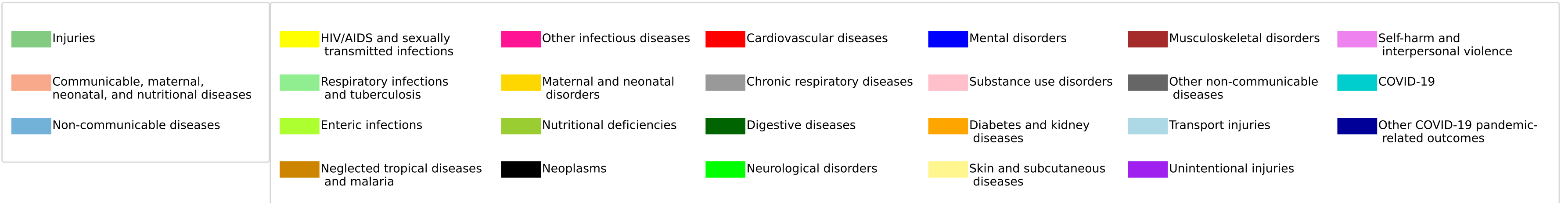
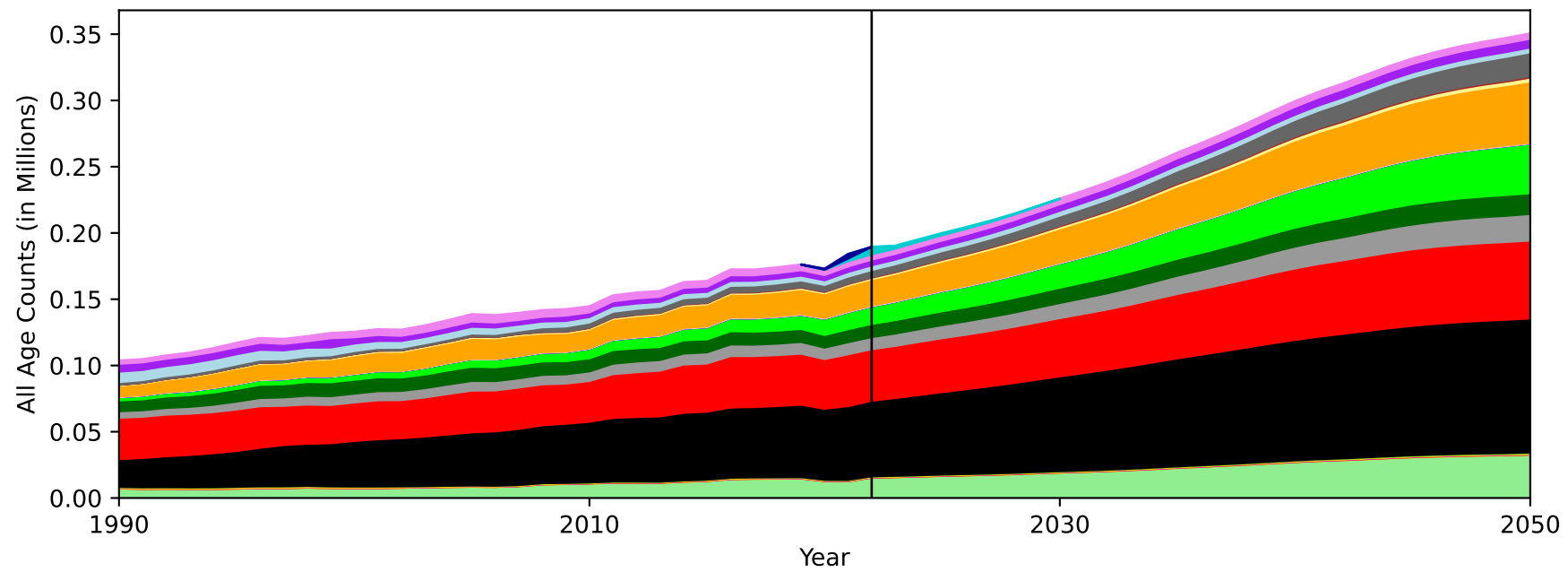
Level 2



Level 1



Level 2

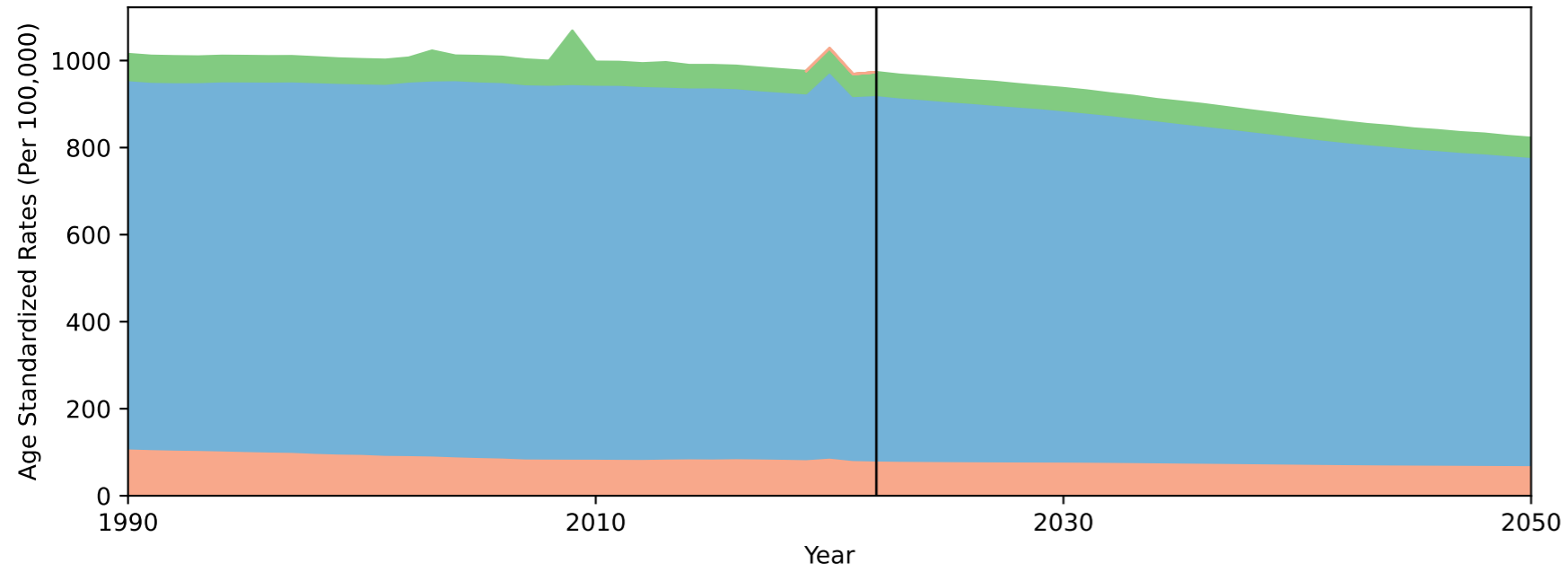


# American Samoa

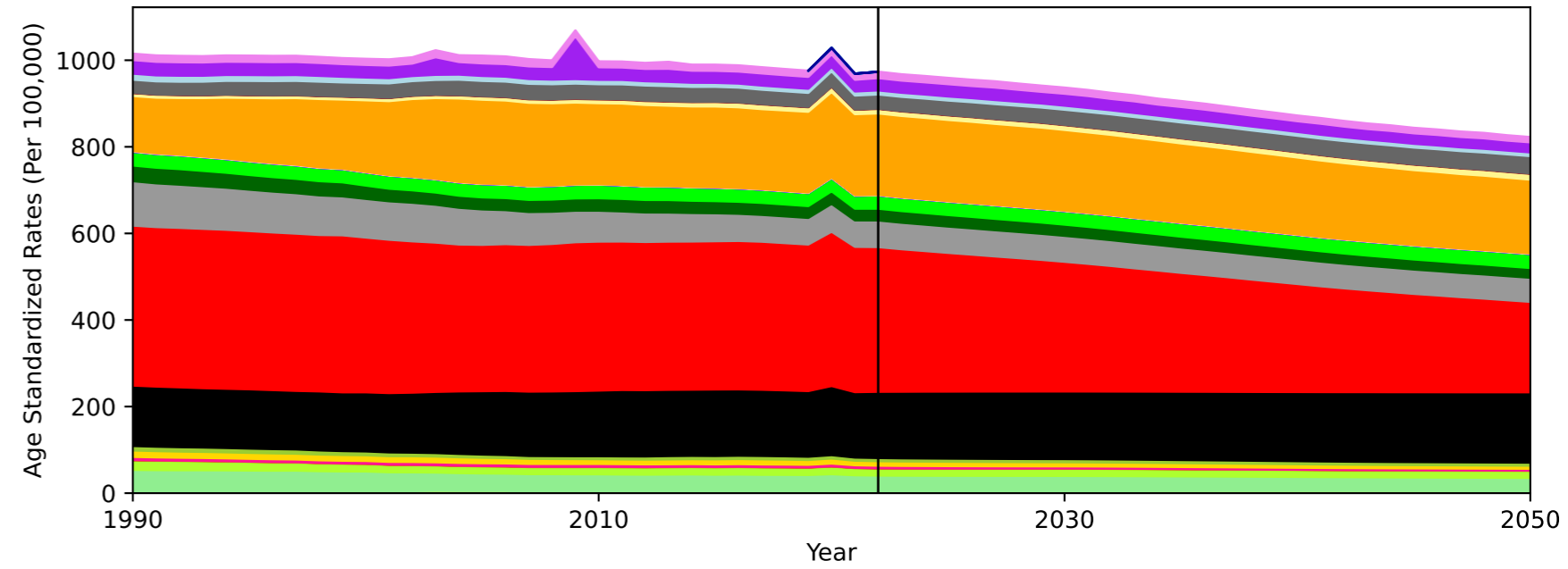
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

605

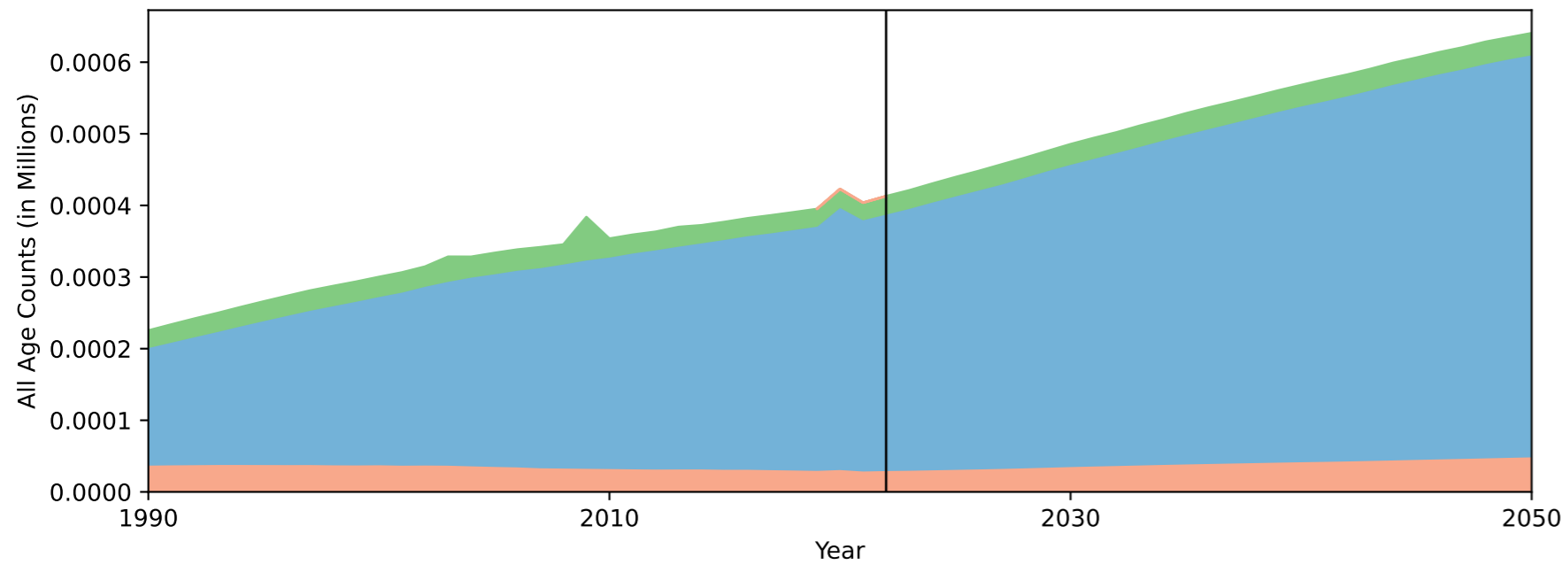
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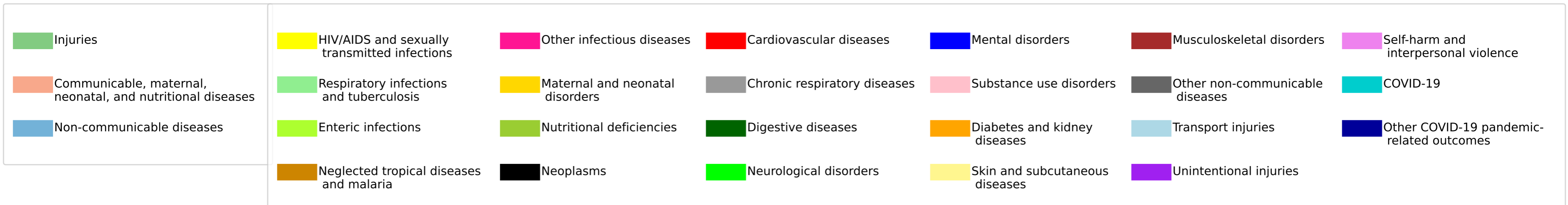
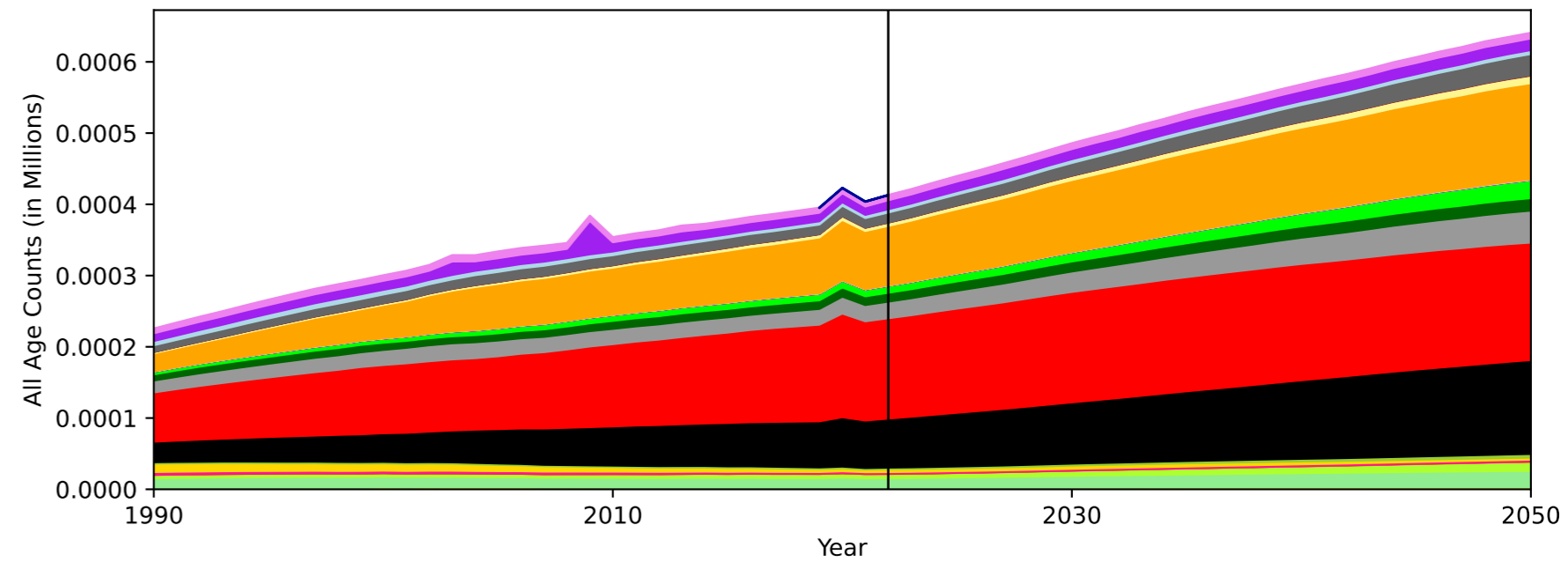
Level 2



Level 1



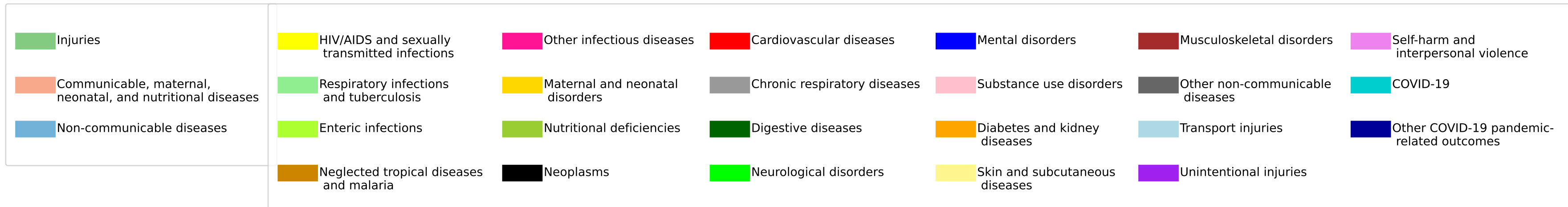
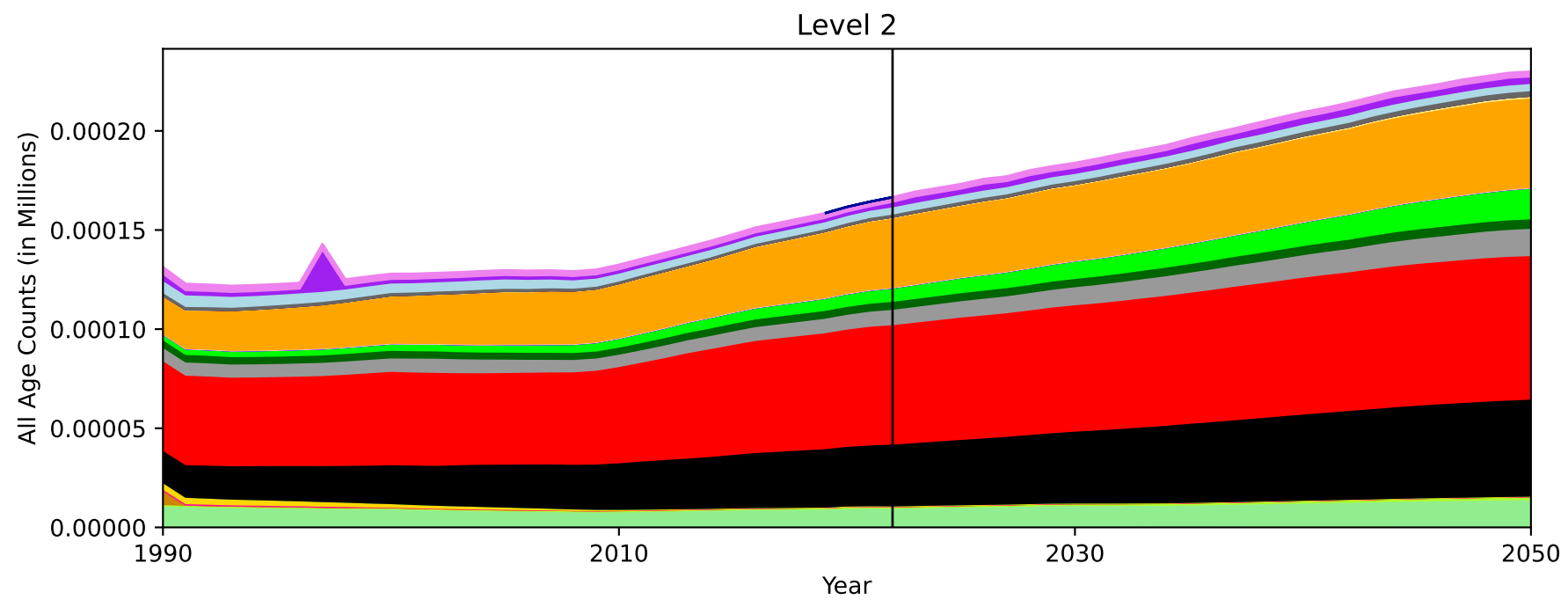
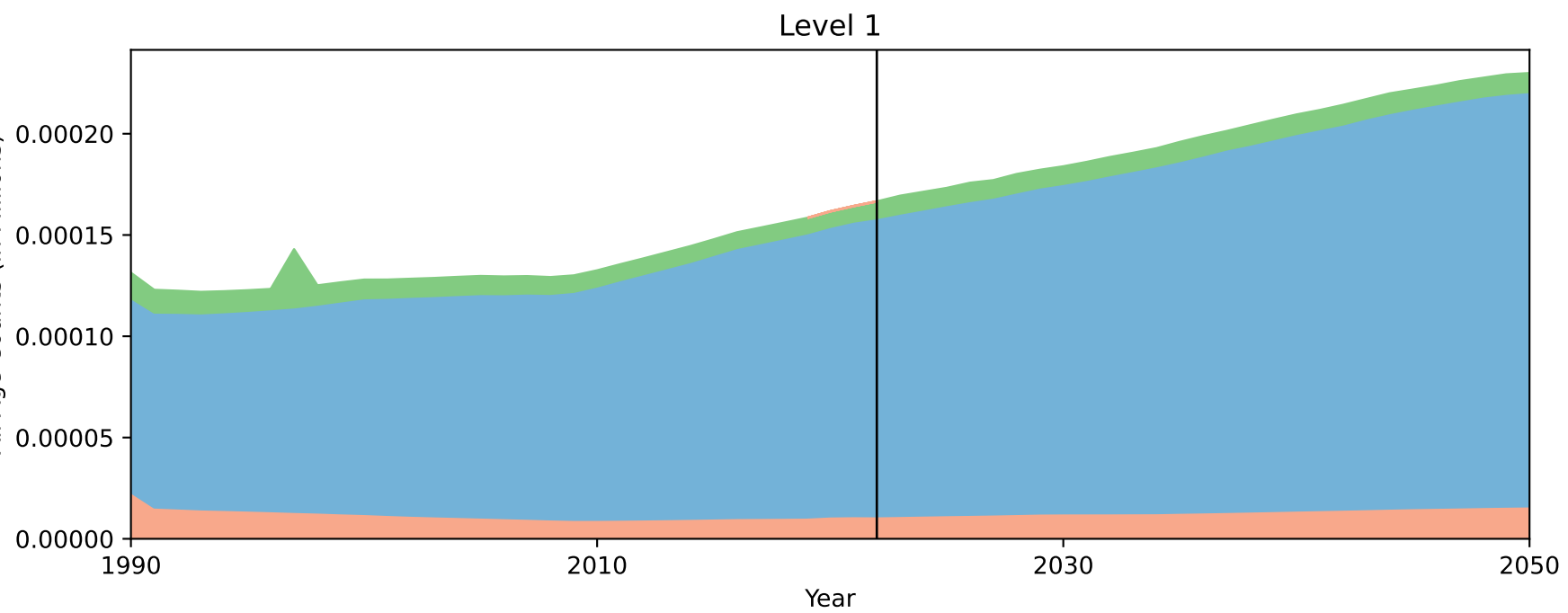
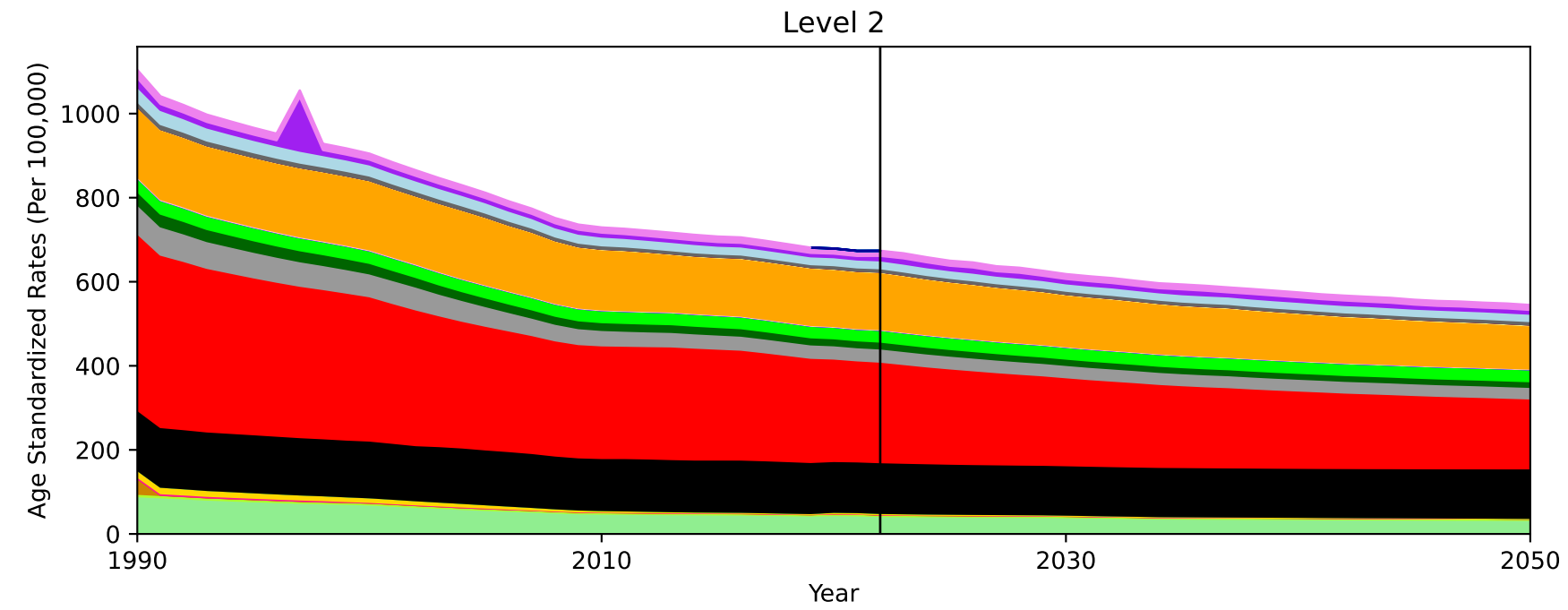
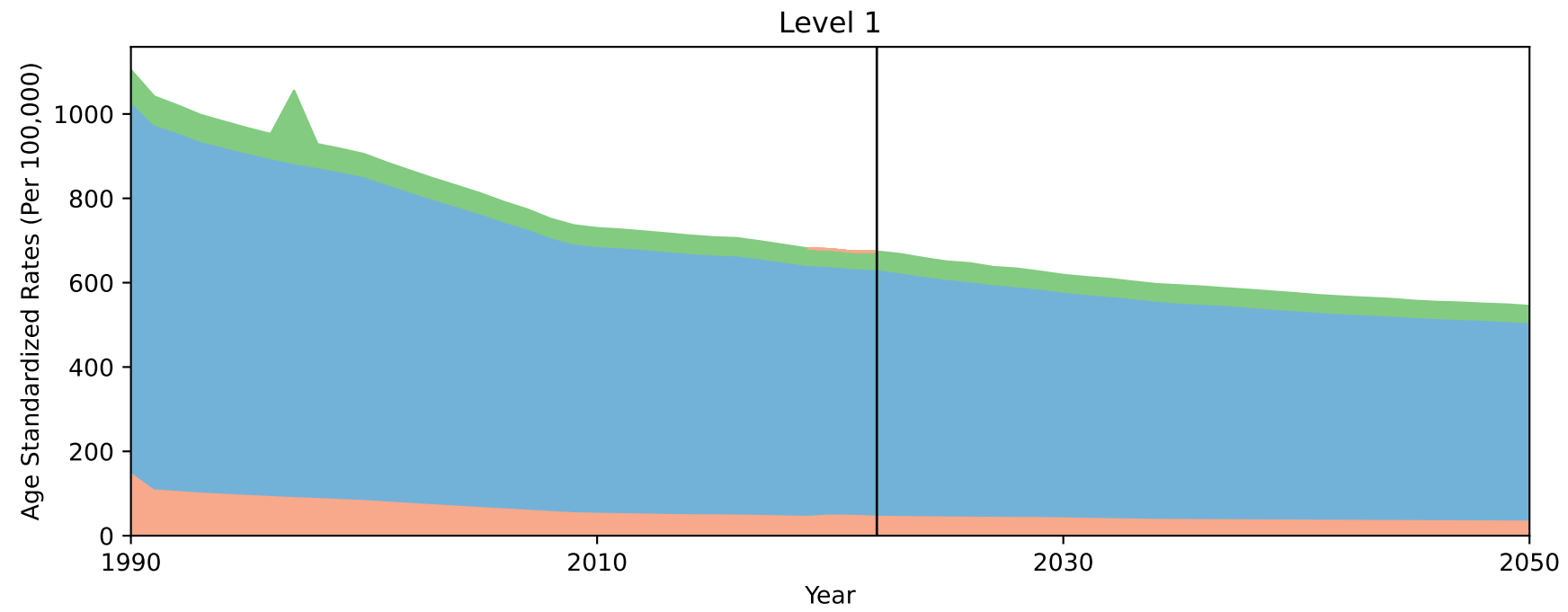
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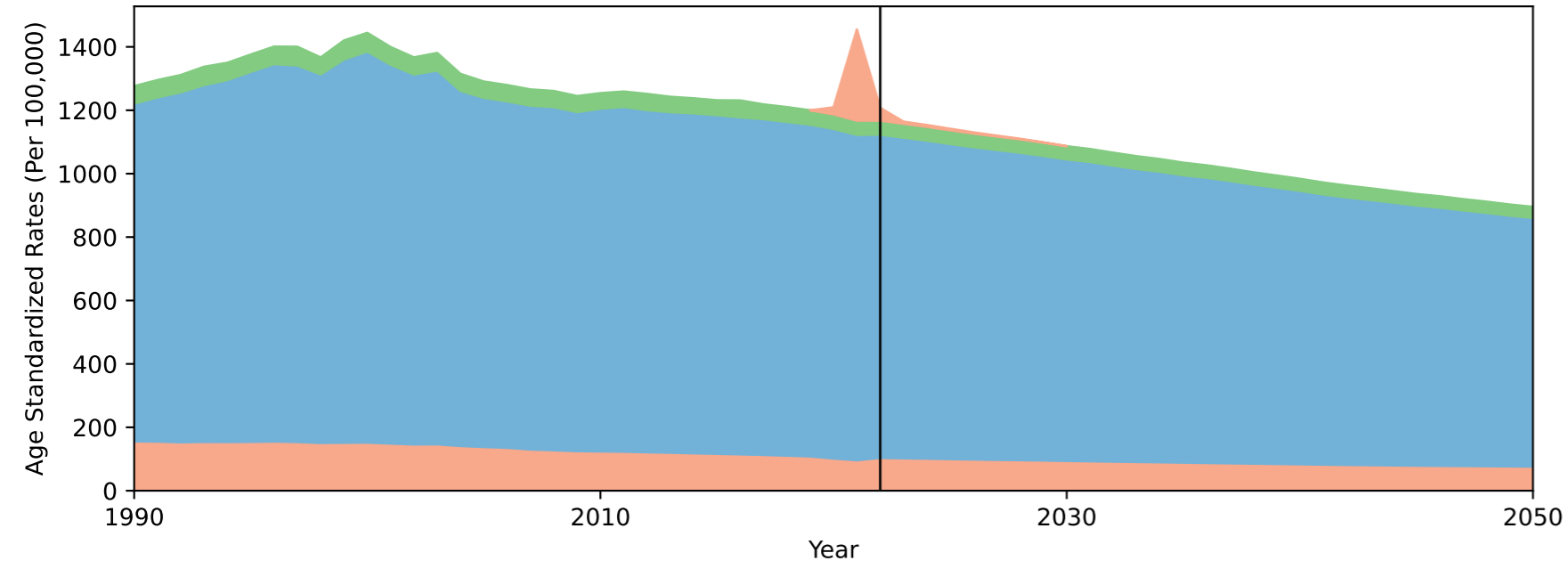
# Cook Islands

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

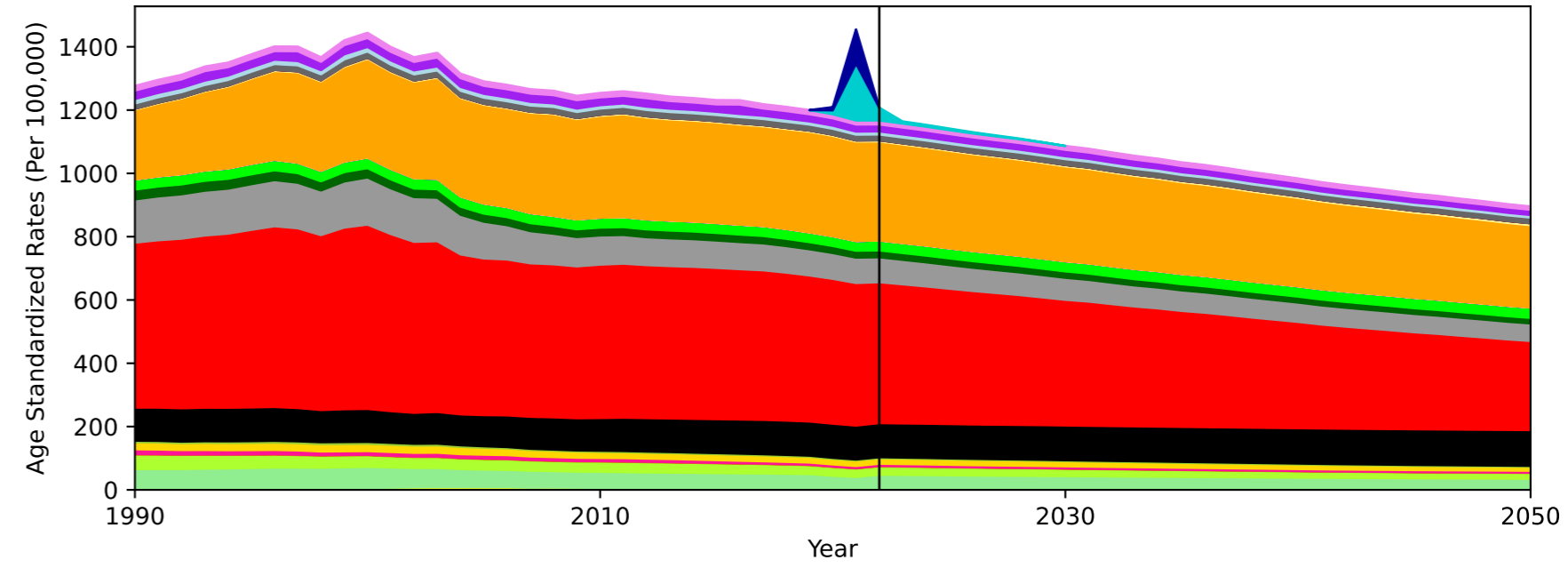
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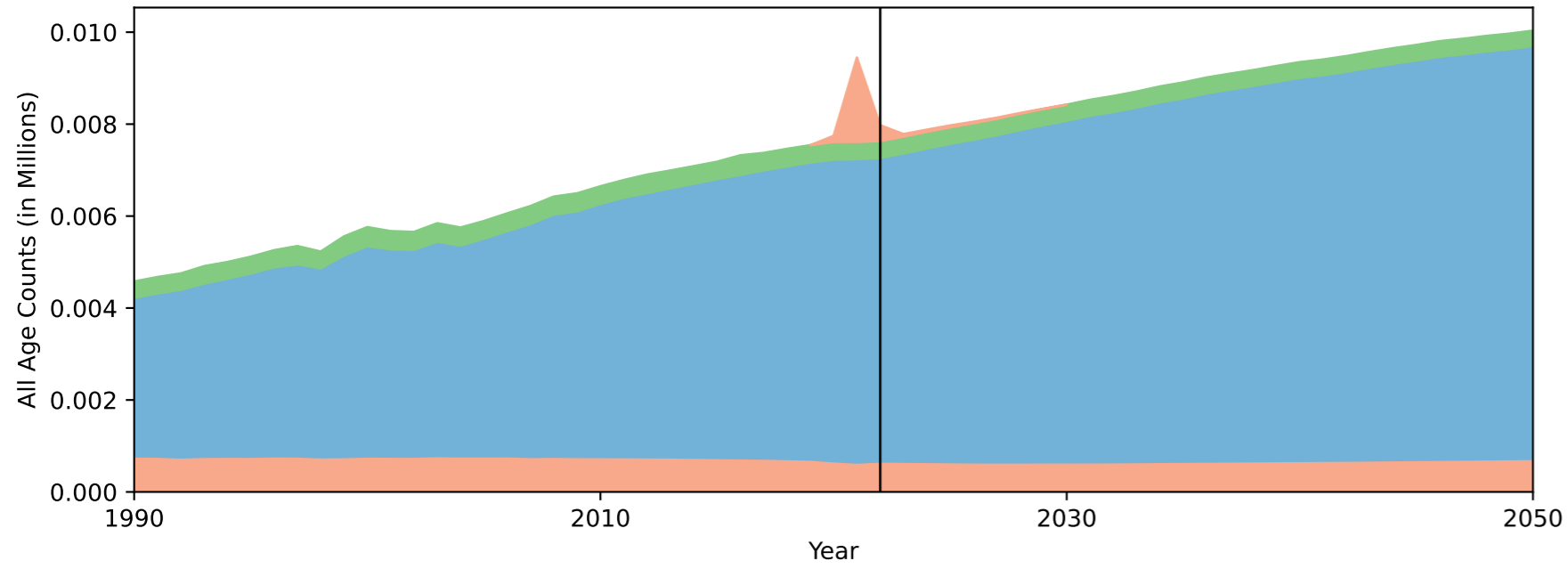
Level 1



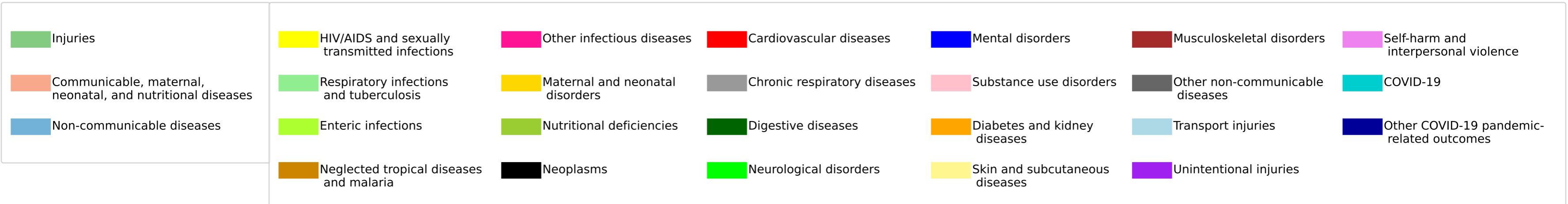
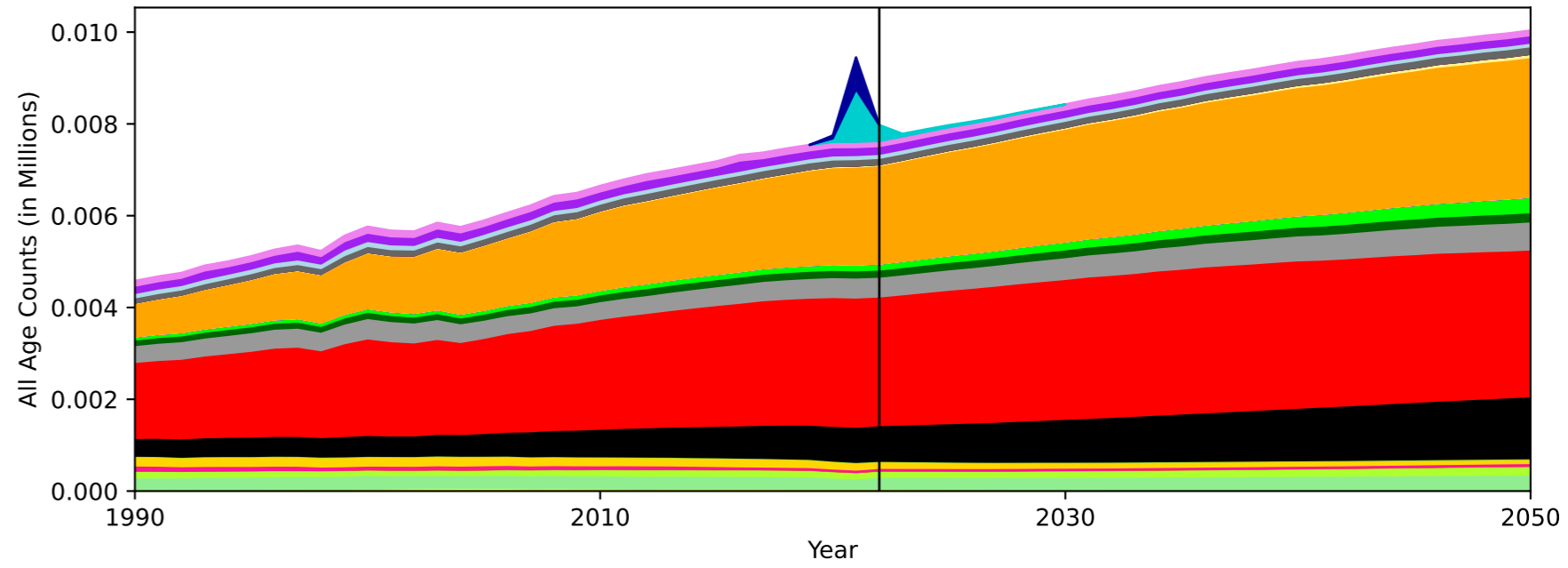
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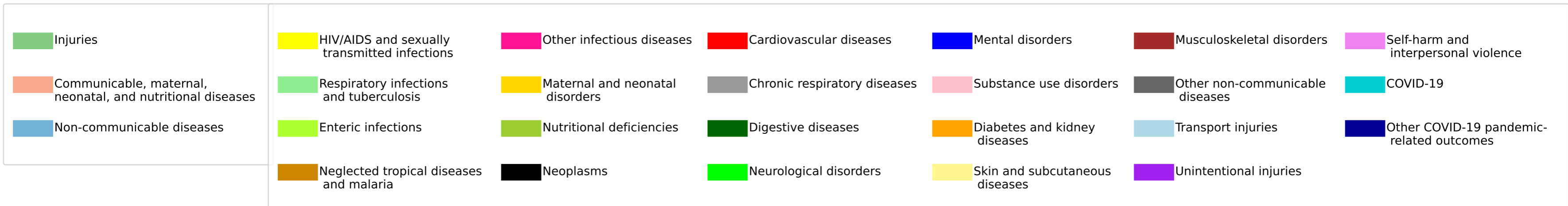
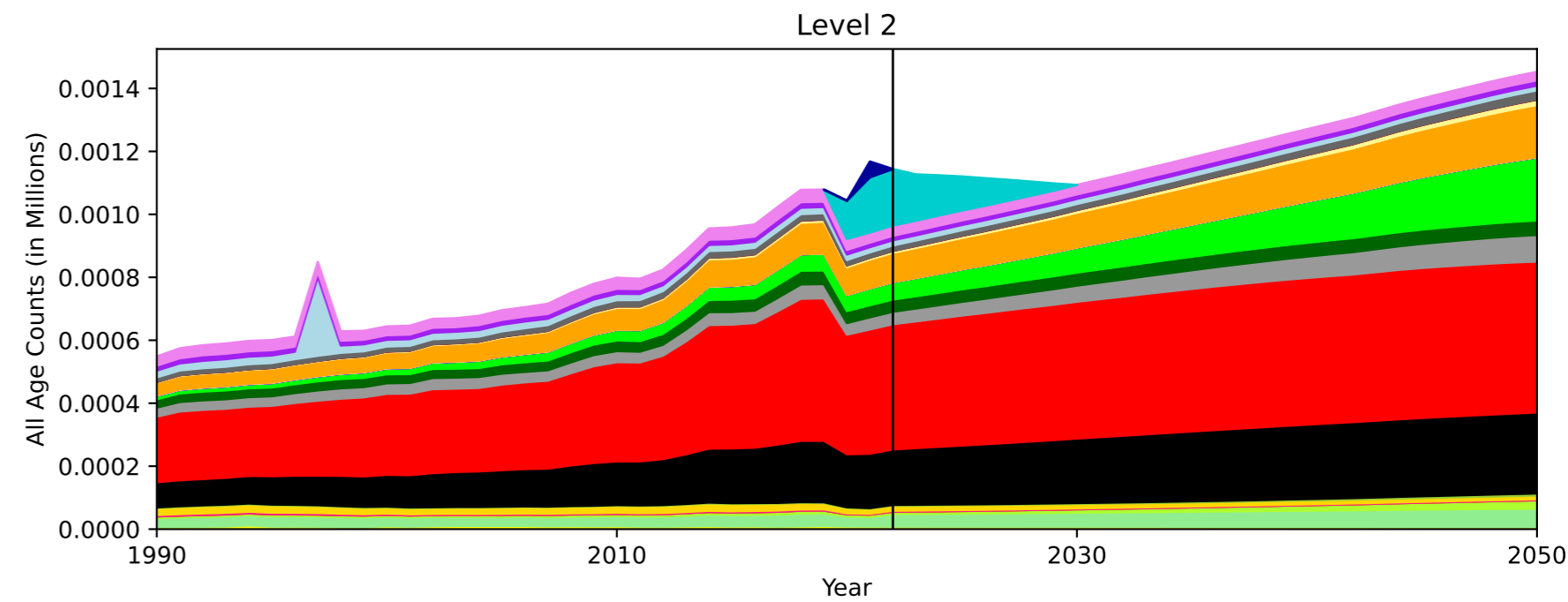
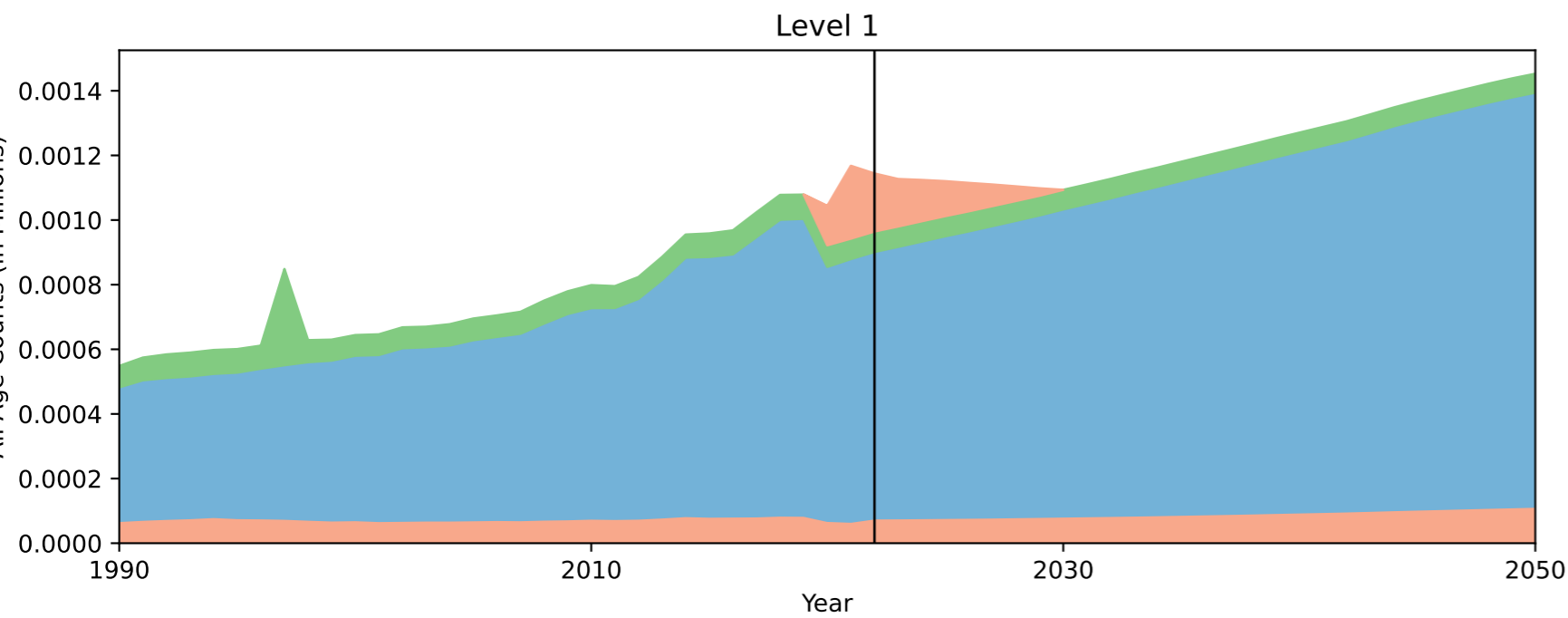
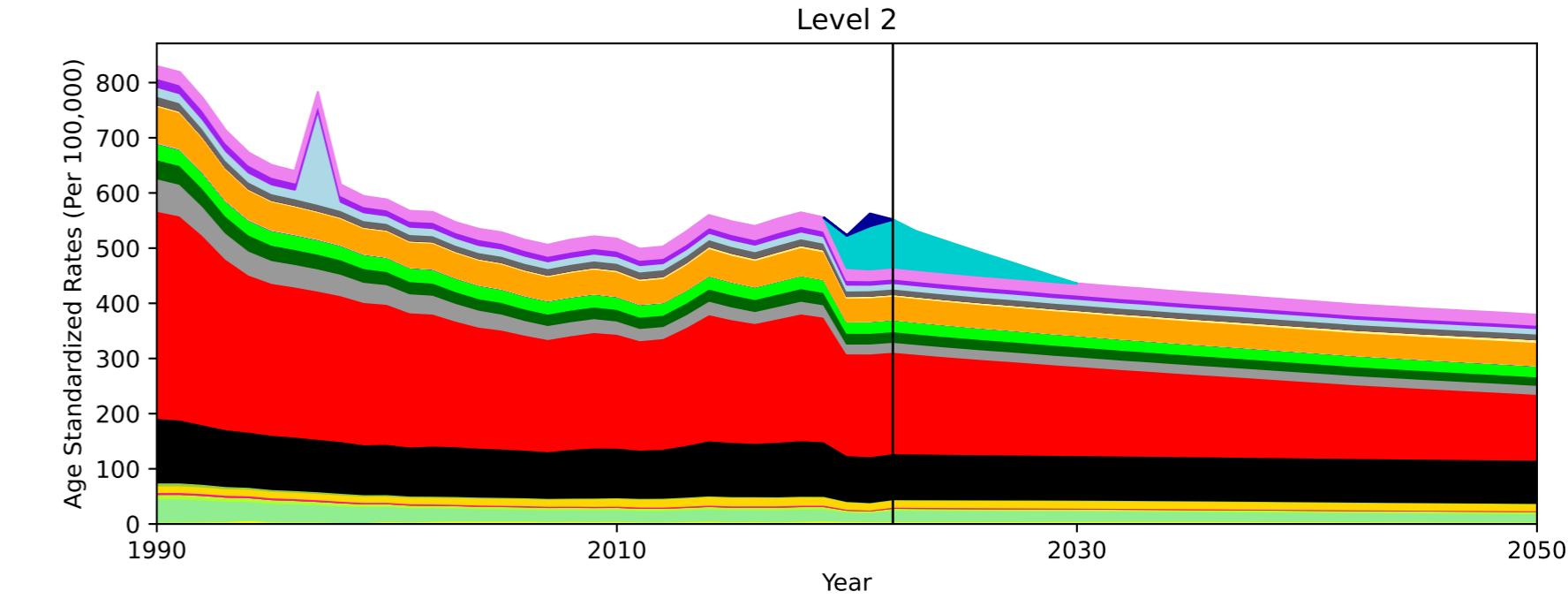
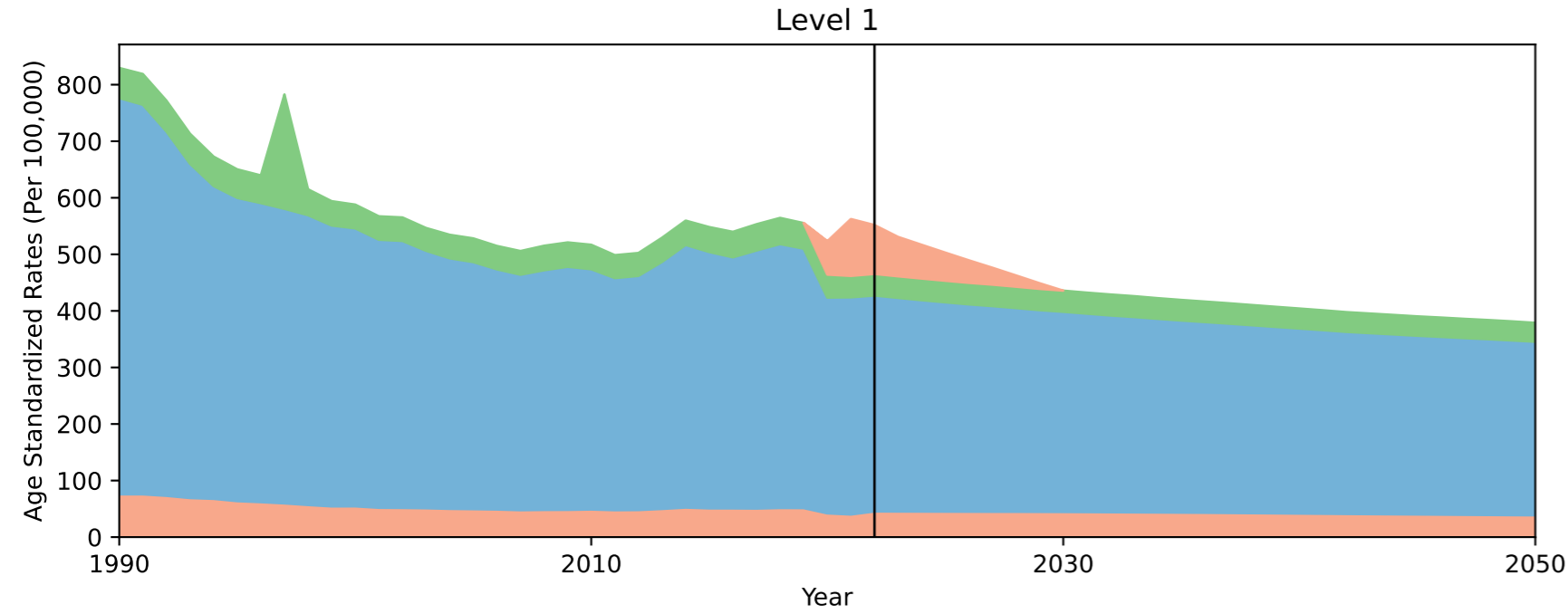
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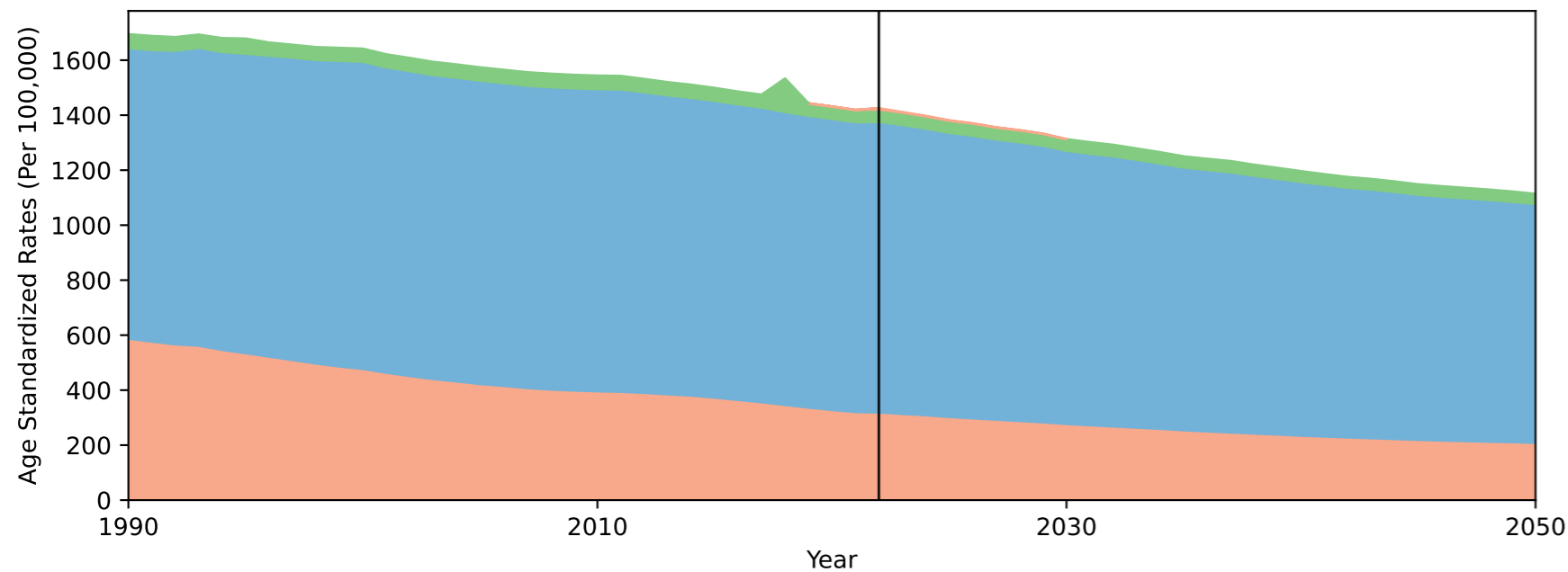
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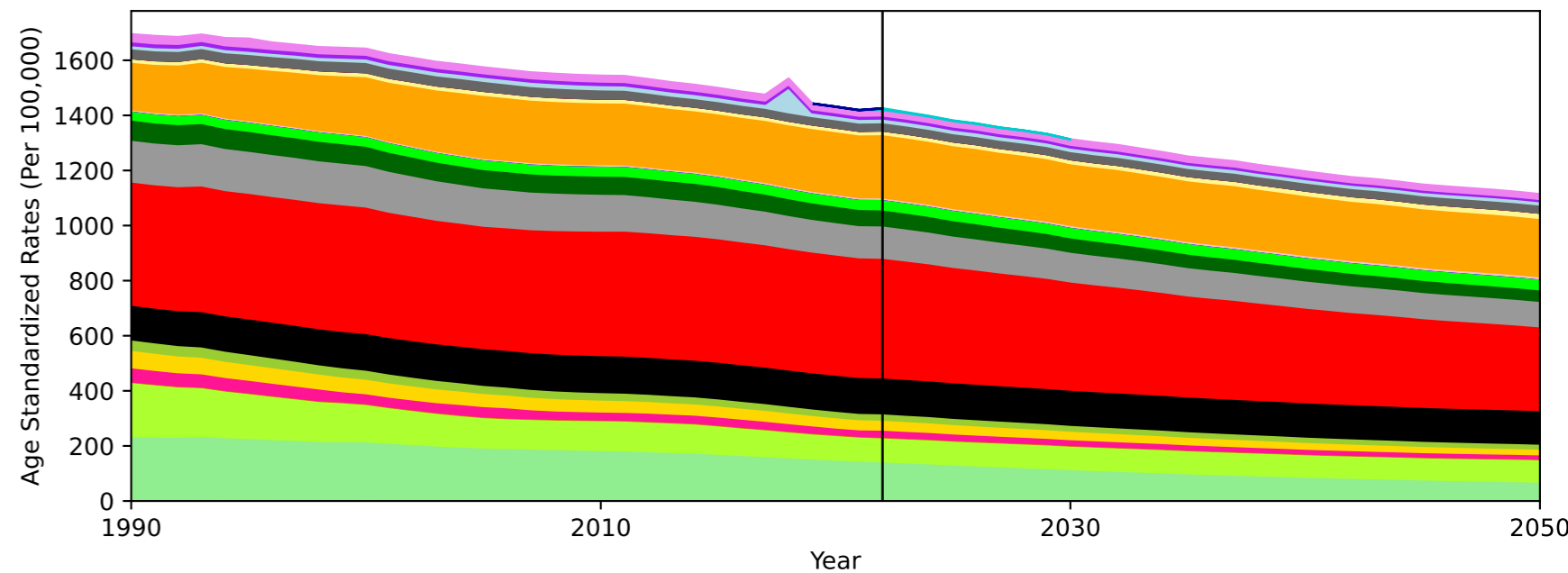




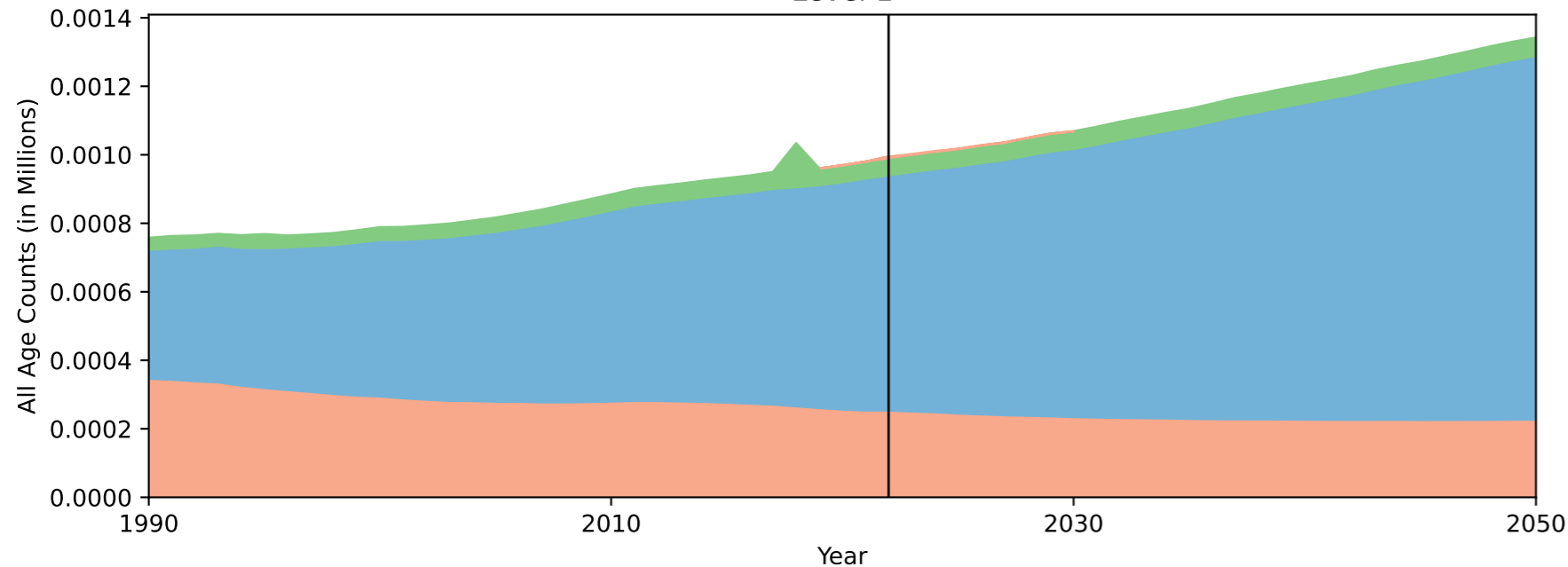
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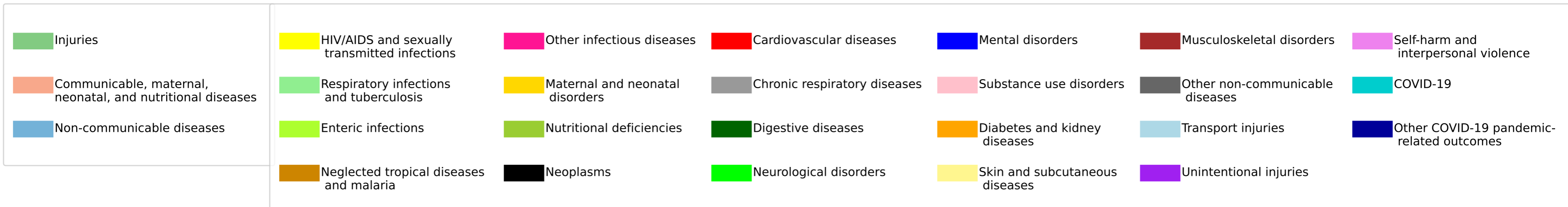
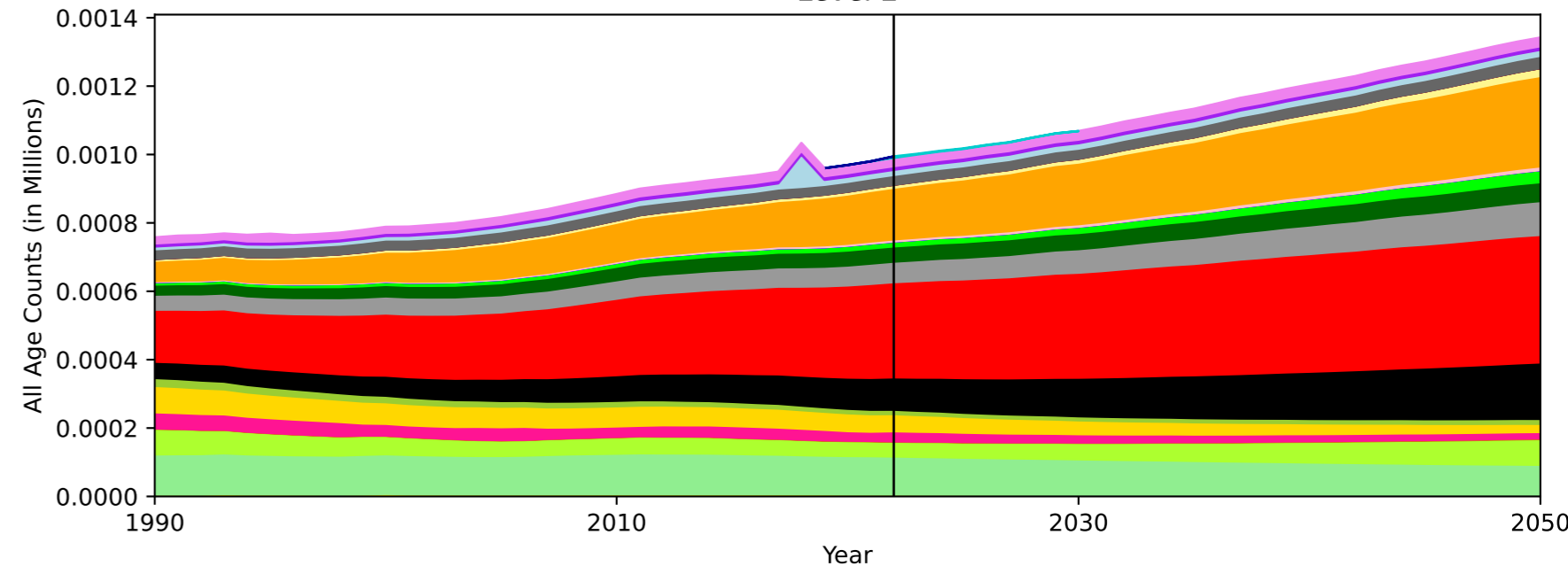
Level 2



Level 1

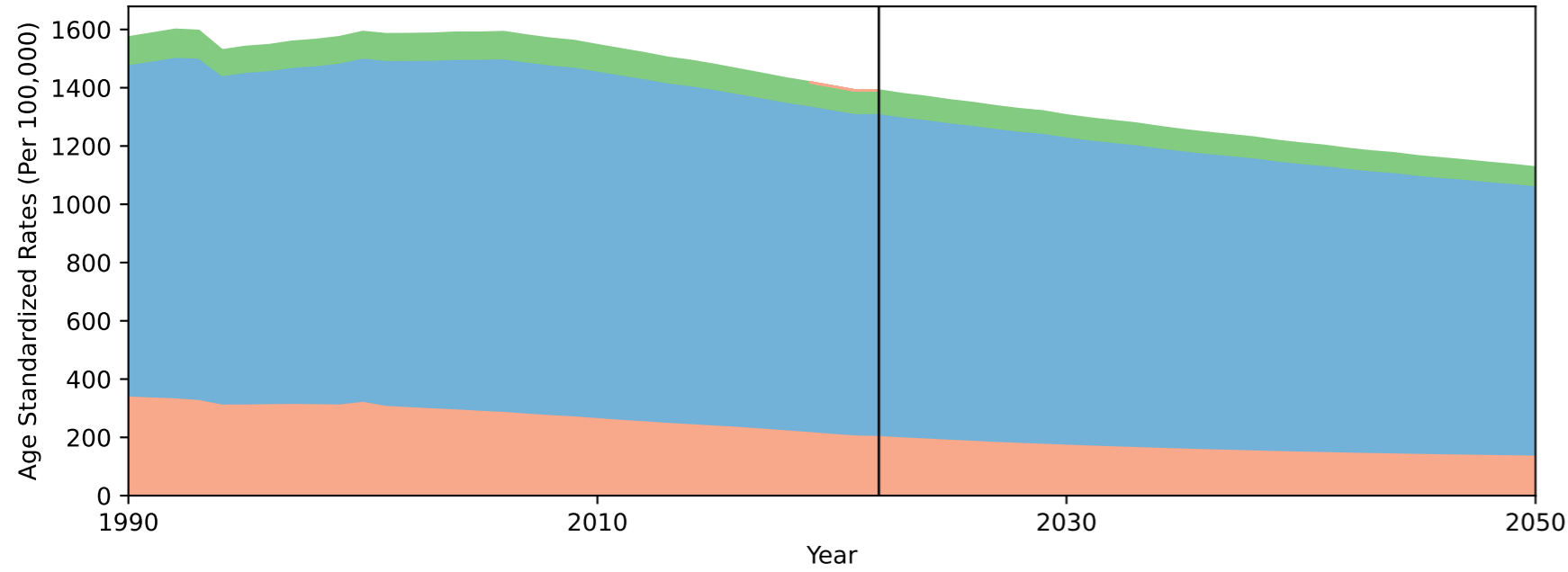


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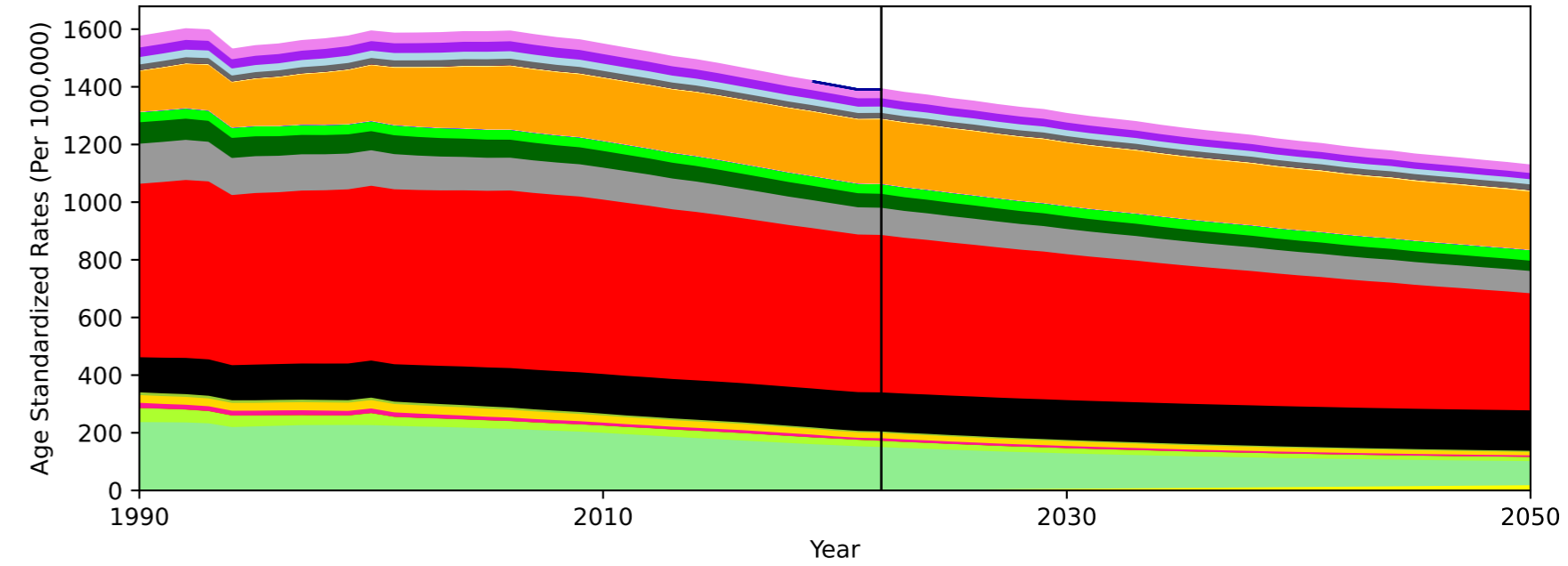


# Marshall Islands

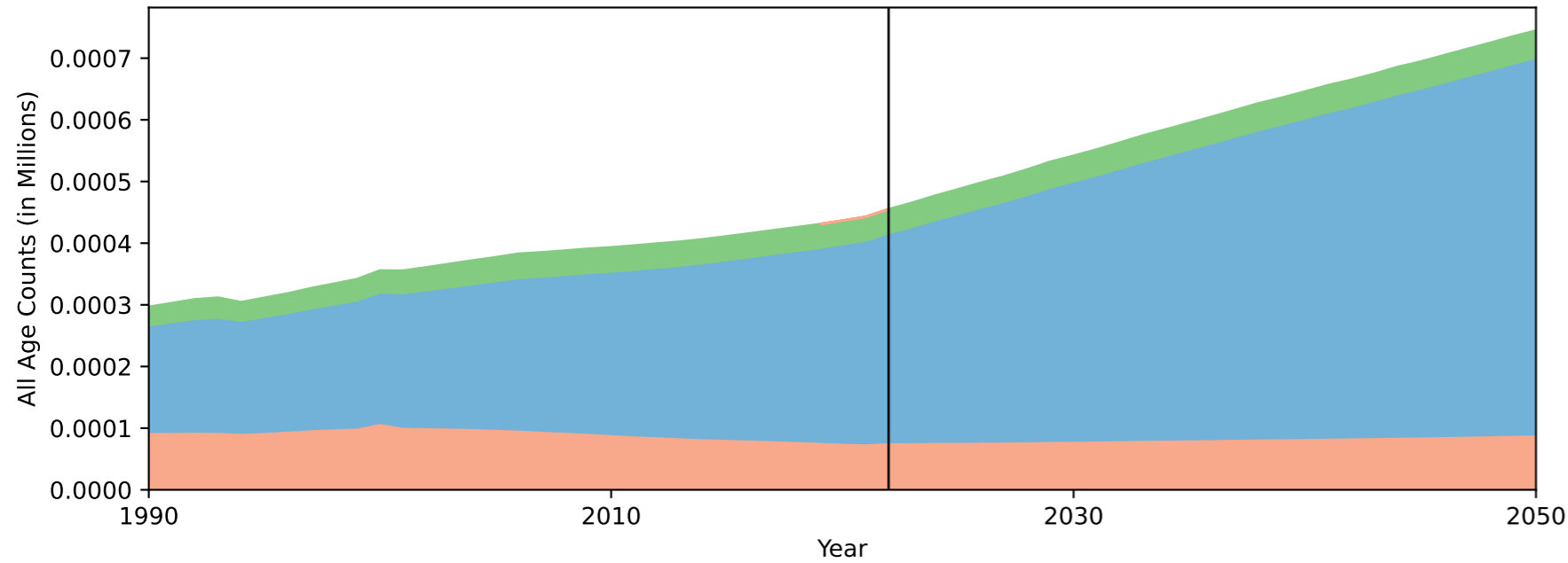
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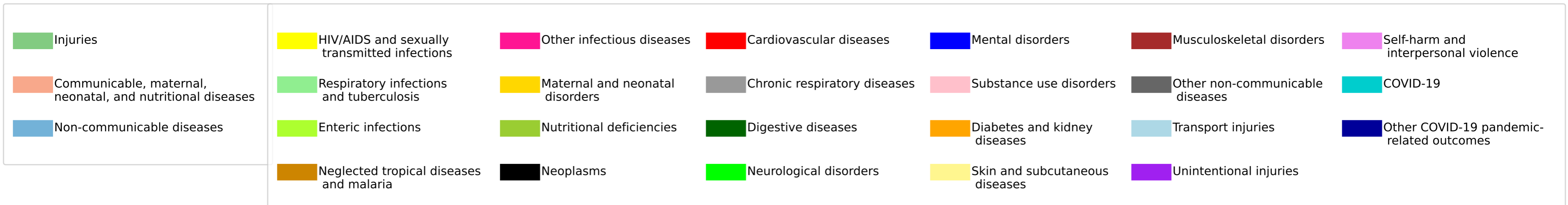
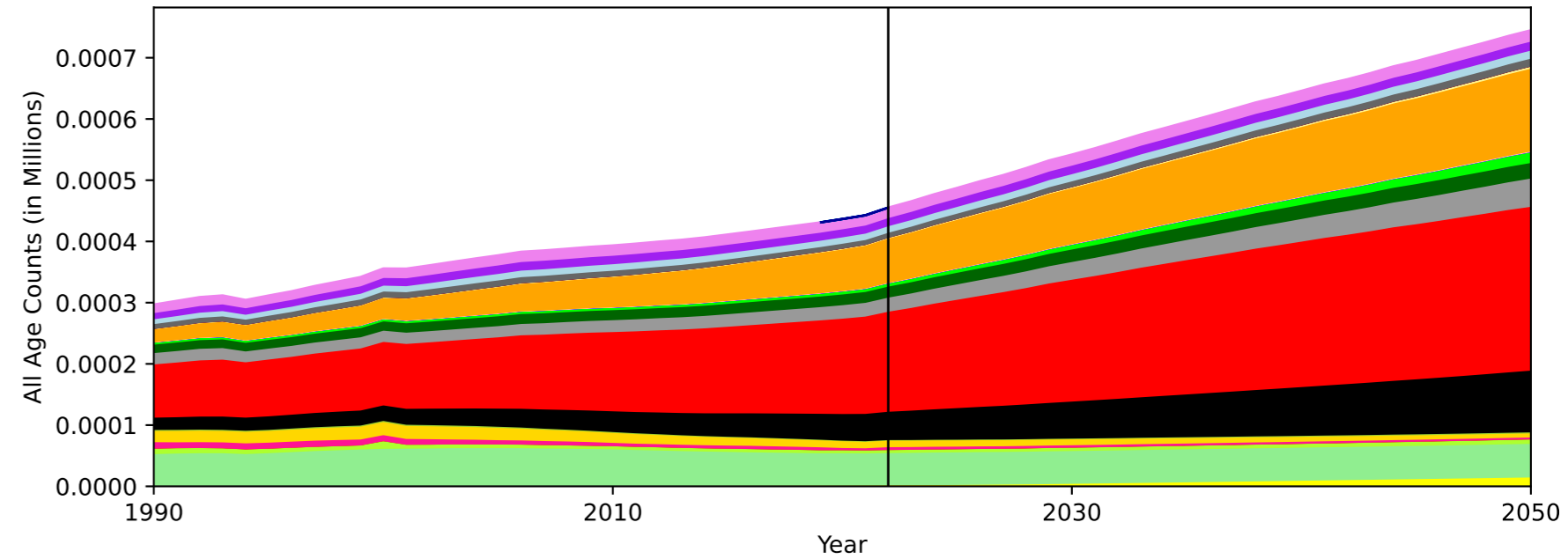
Level 2



Level 1



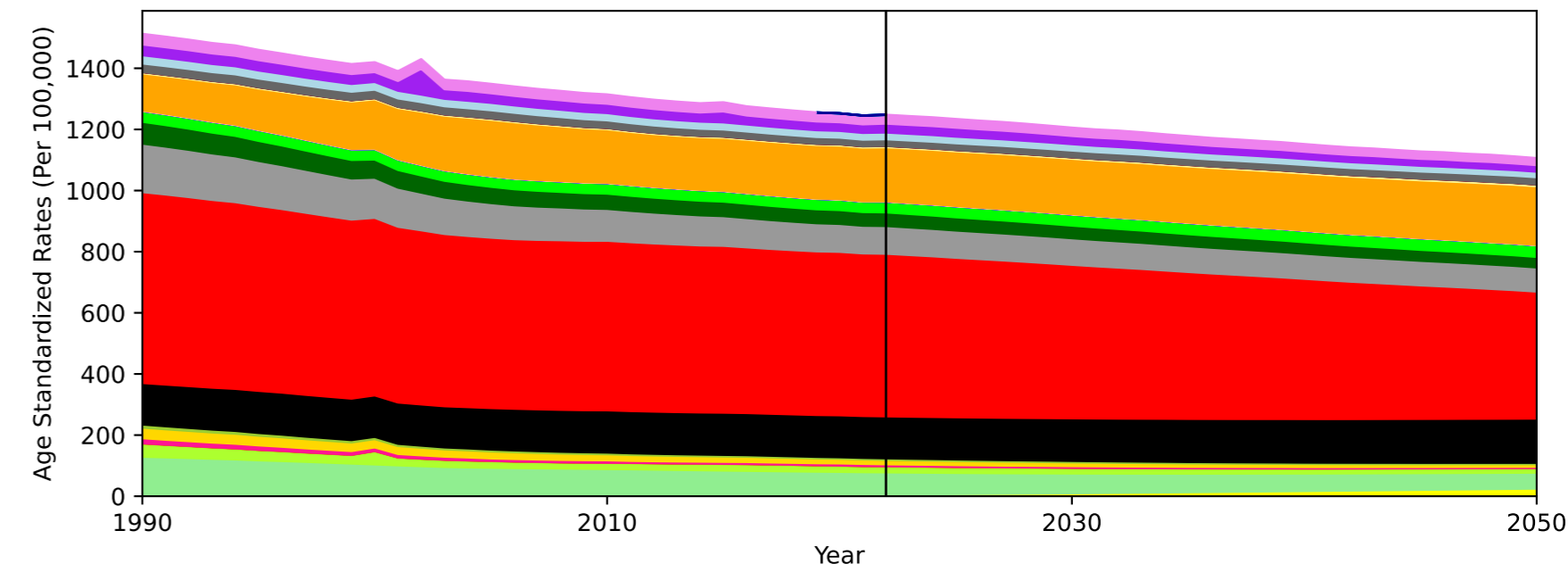
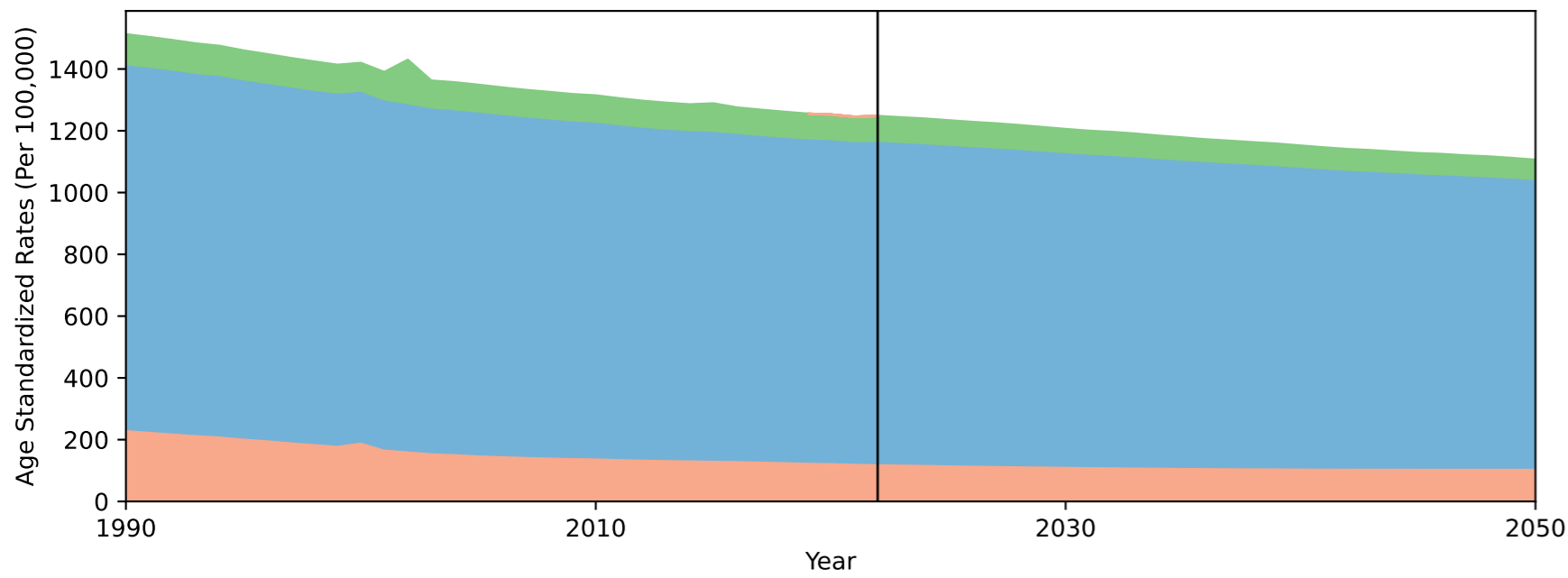
Level 2



# Federated States Of Micronesia

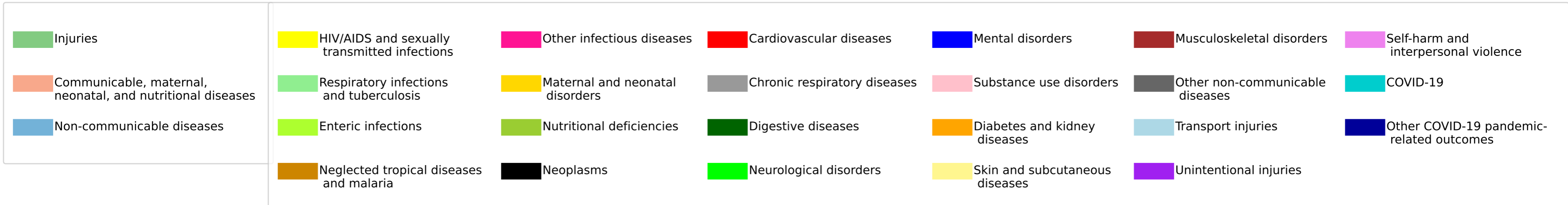
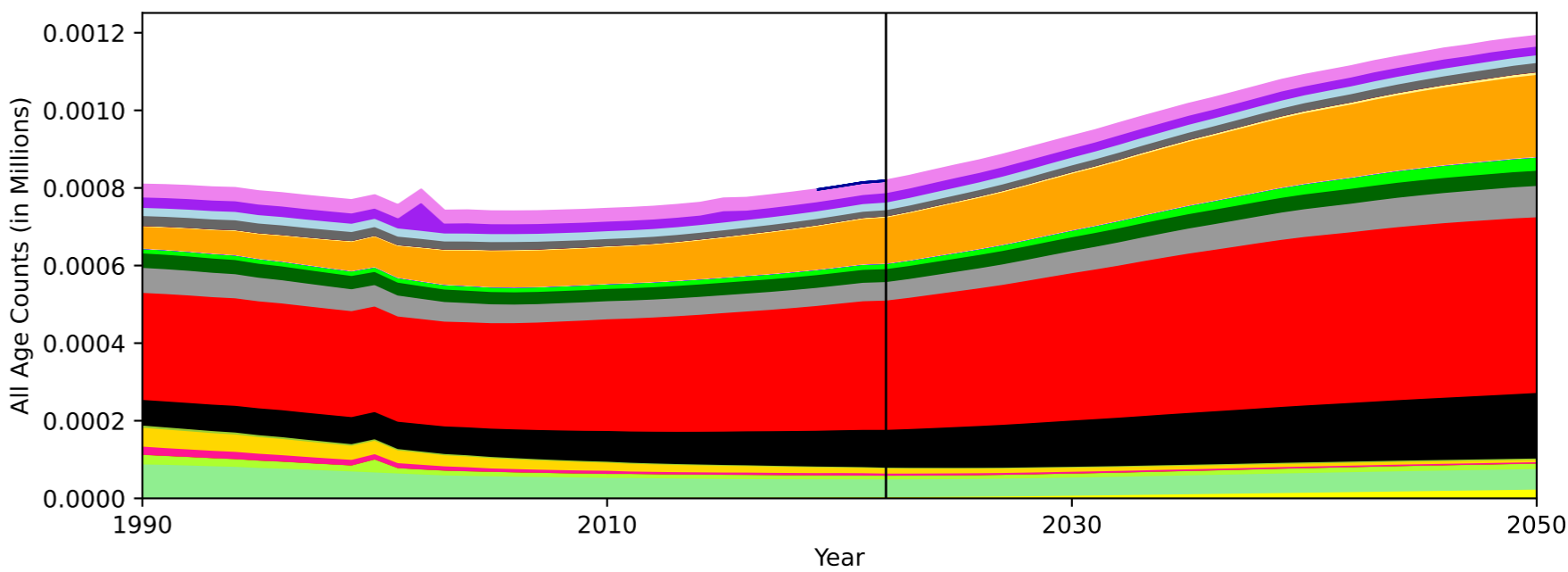
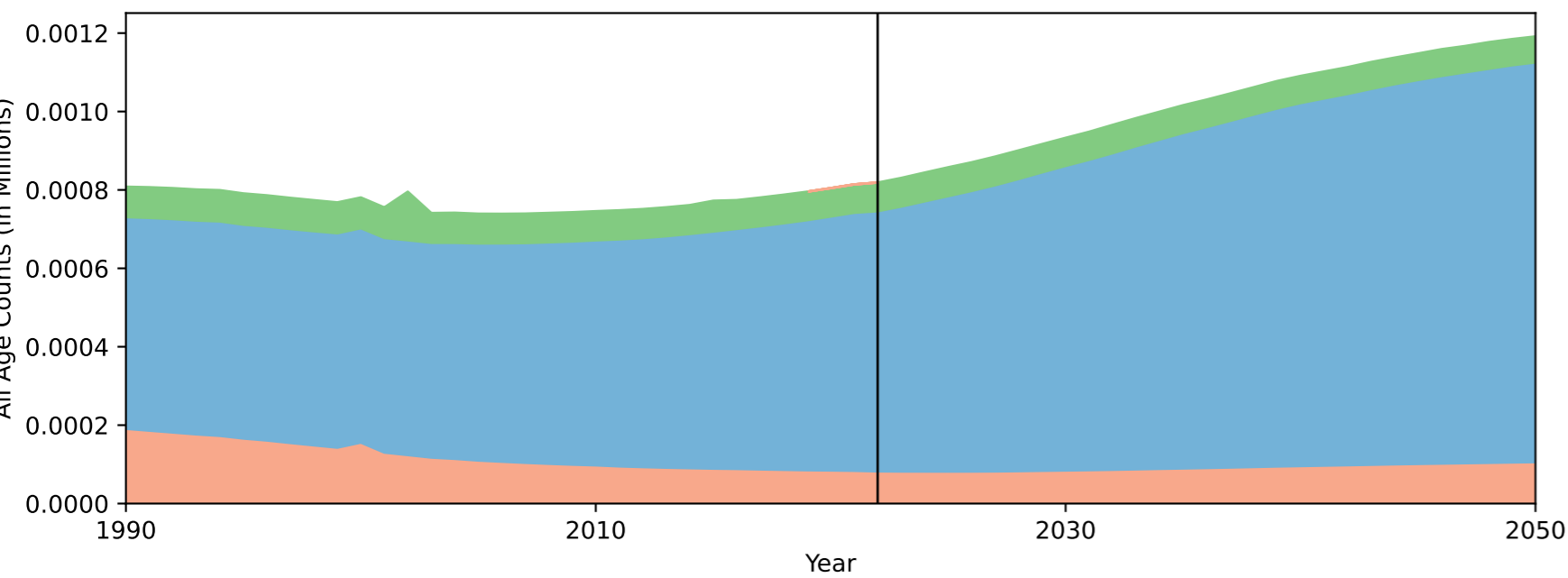
Level 1

Level 2

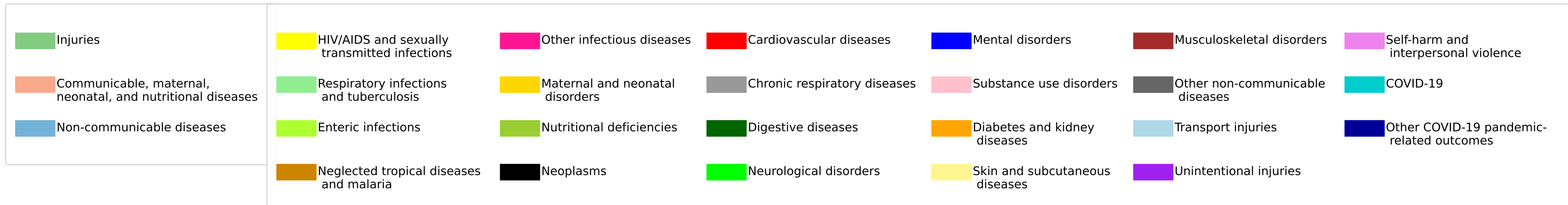
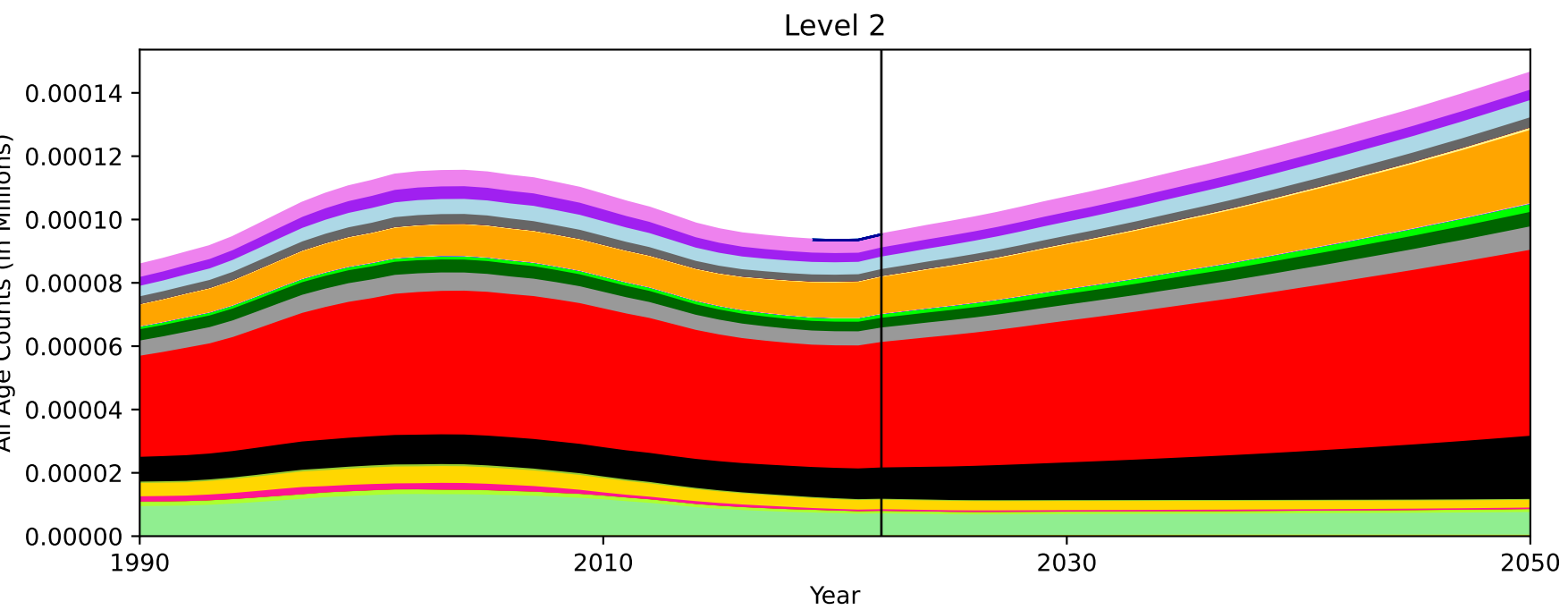
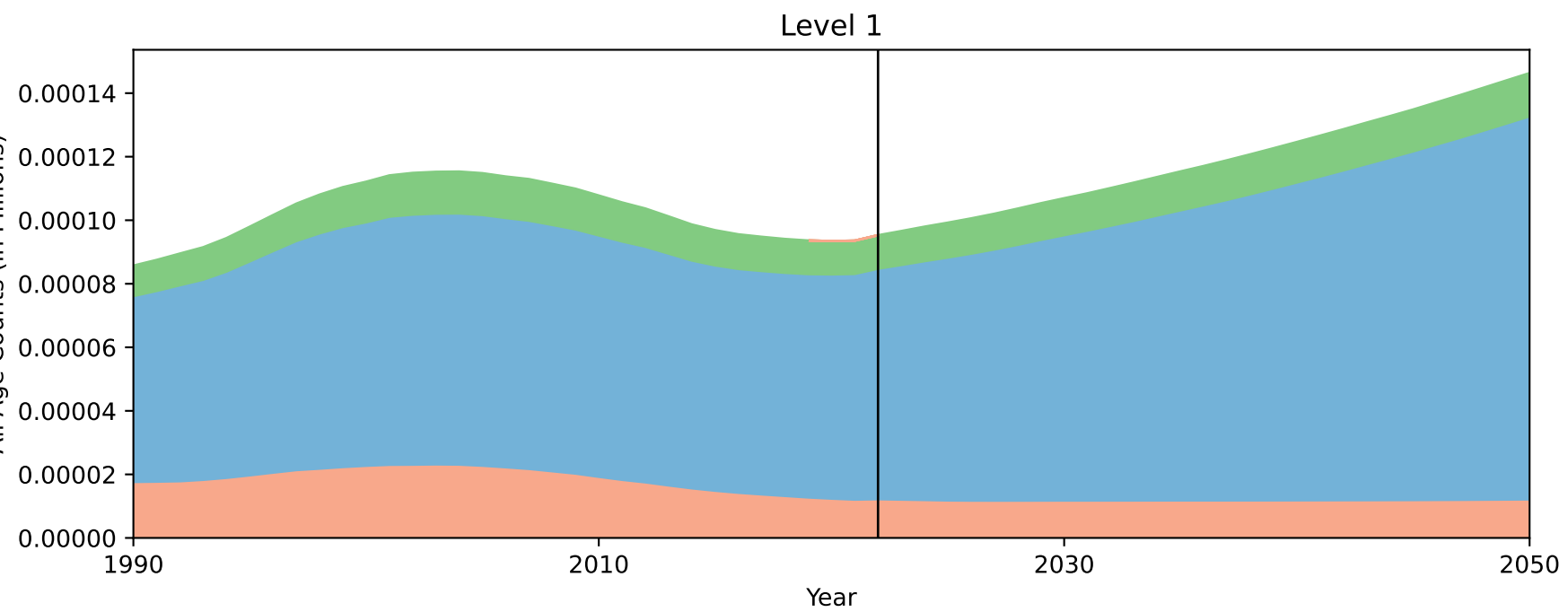
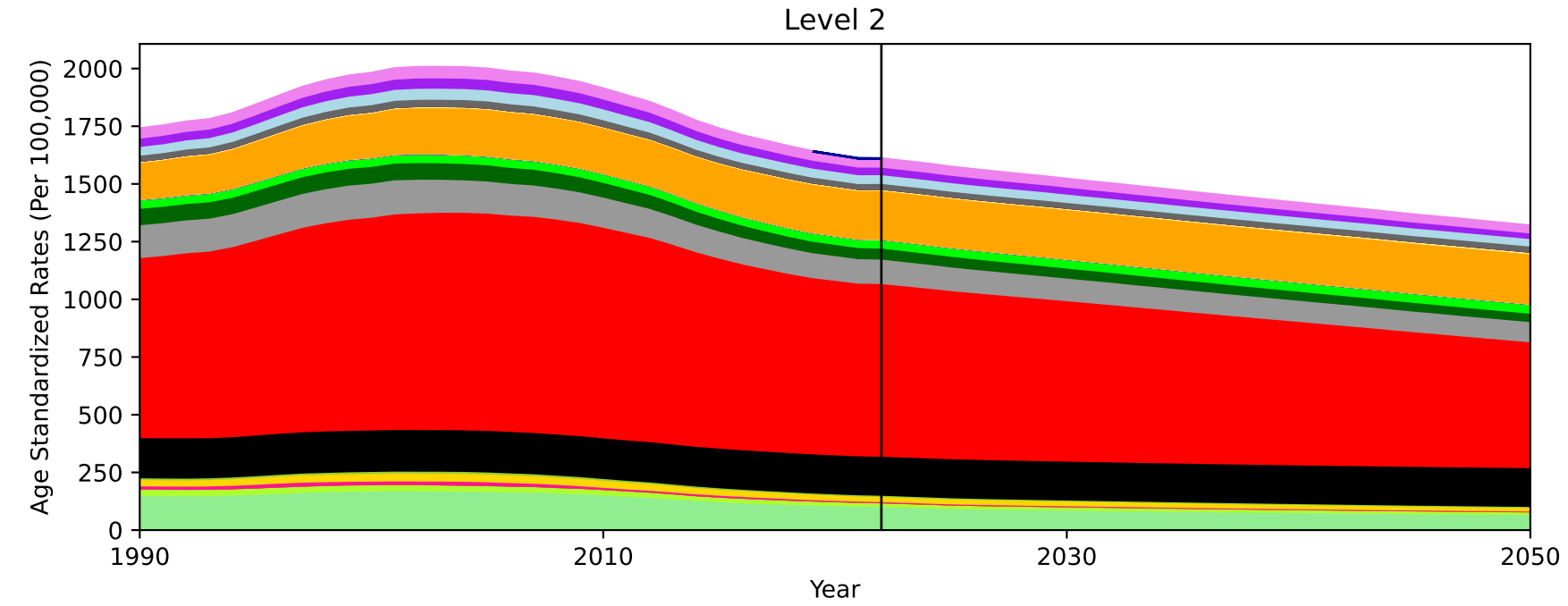
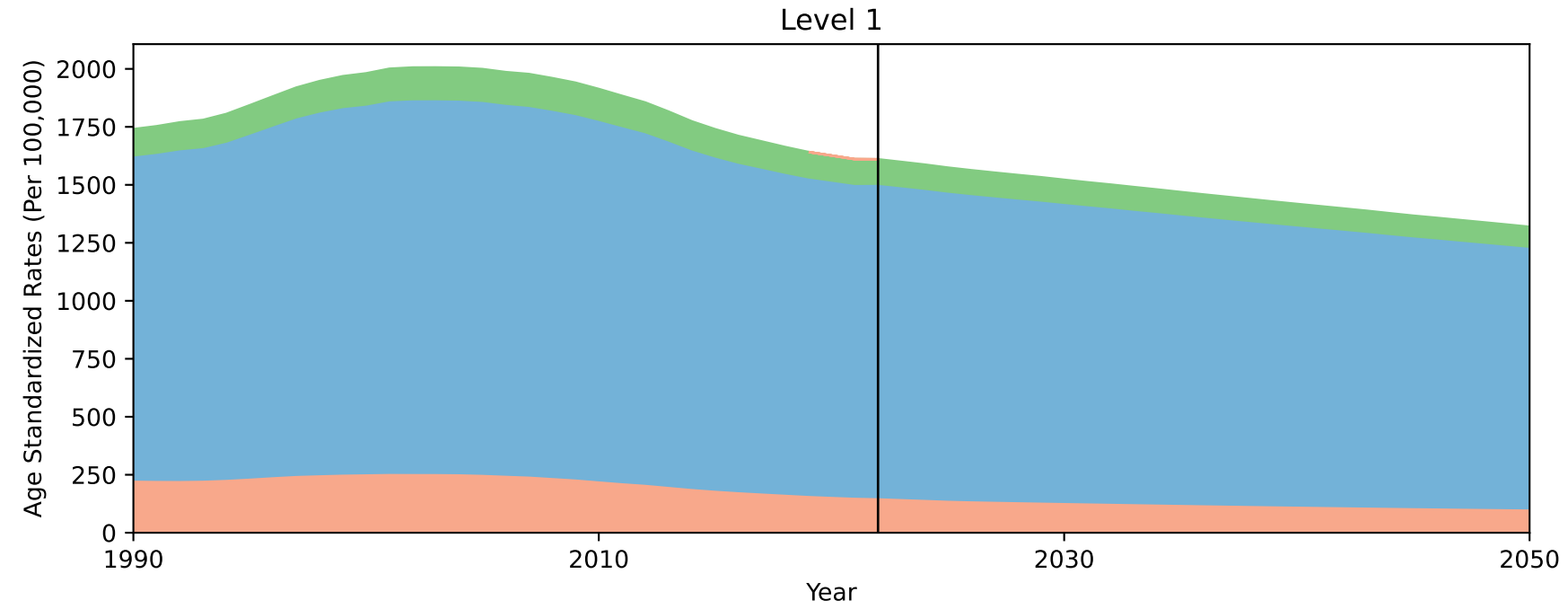


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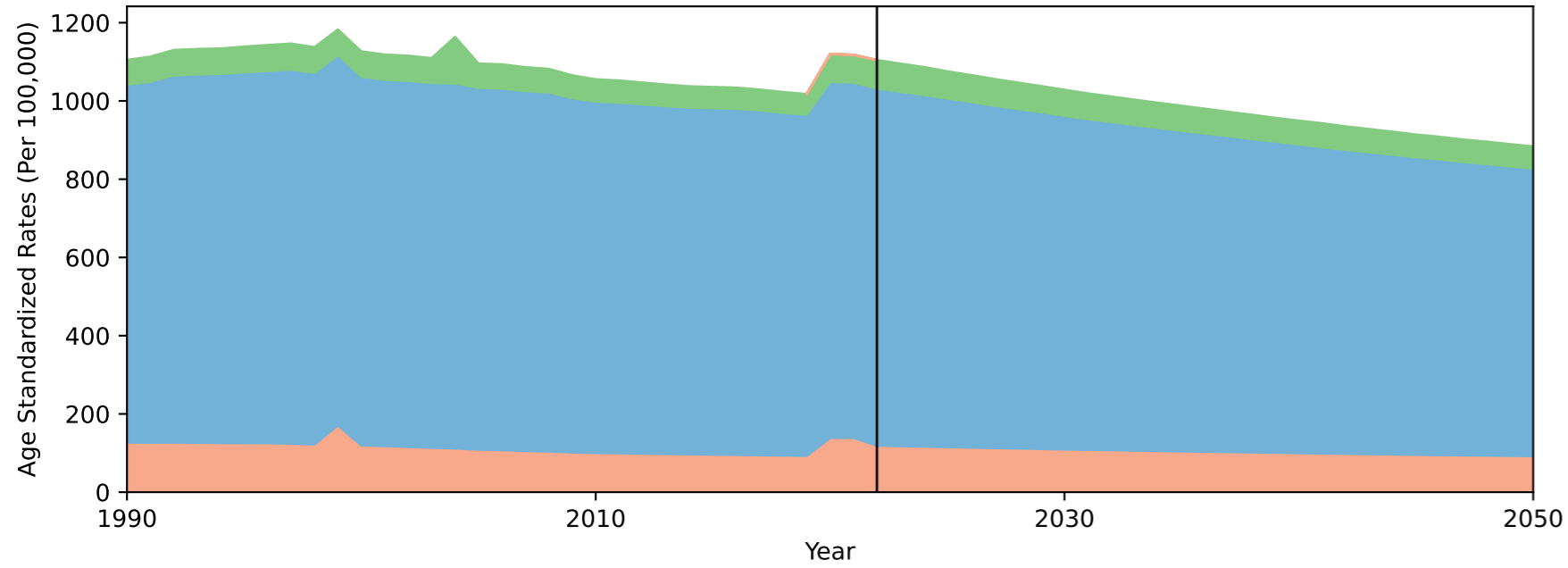
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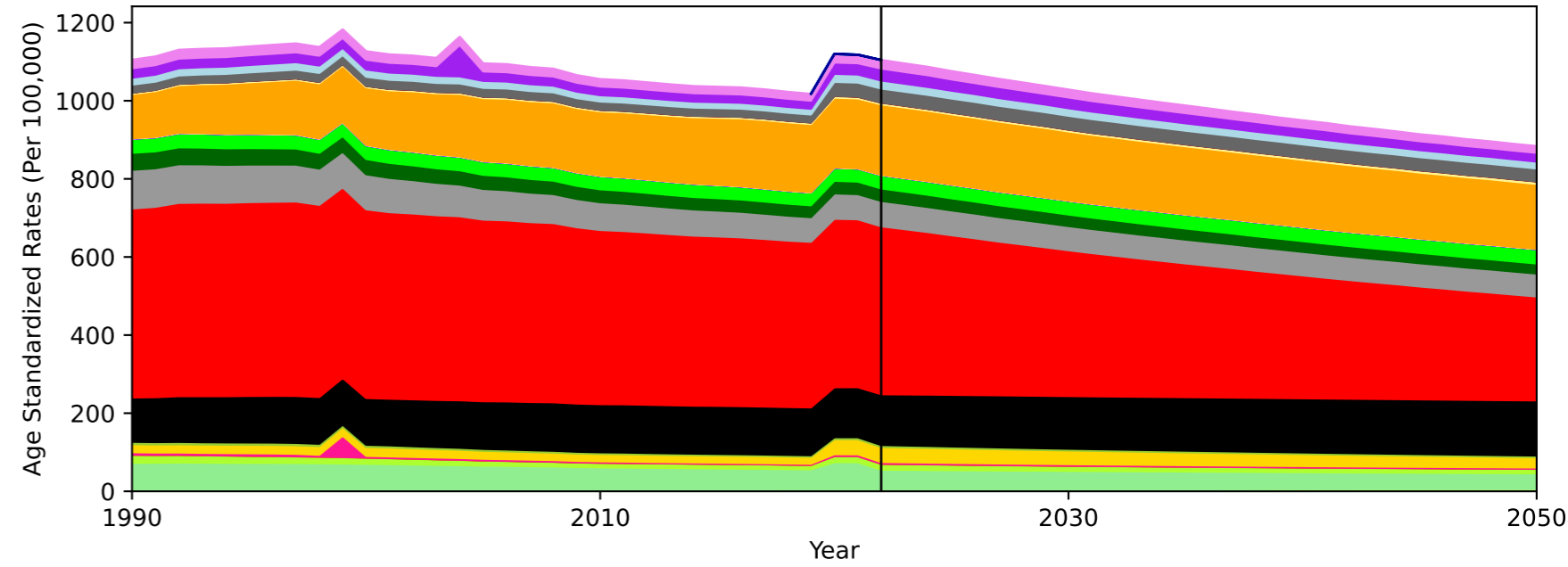
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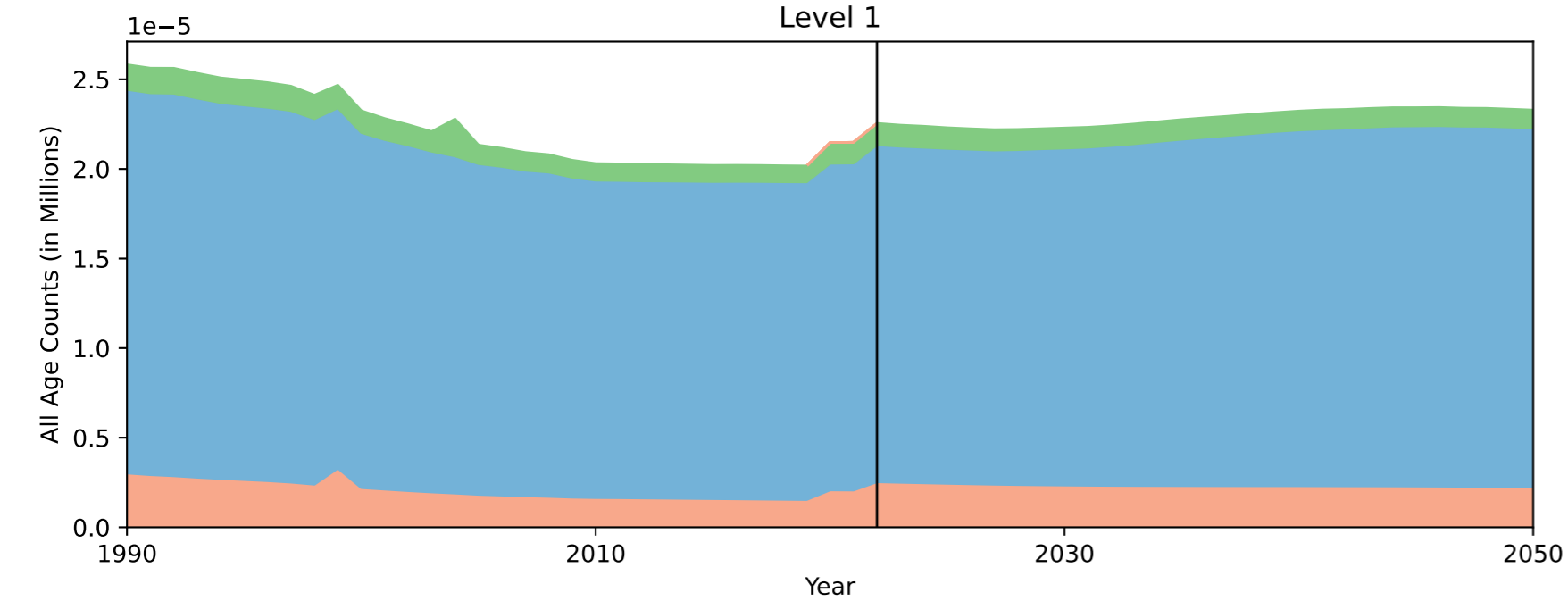
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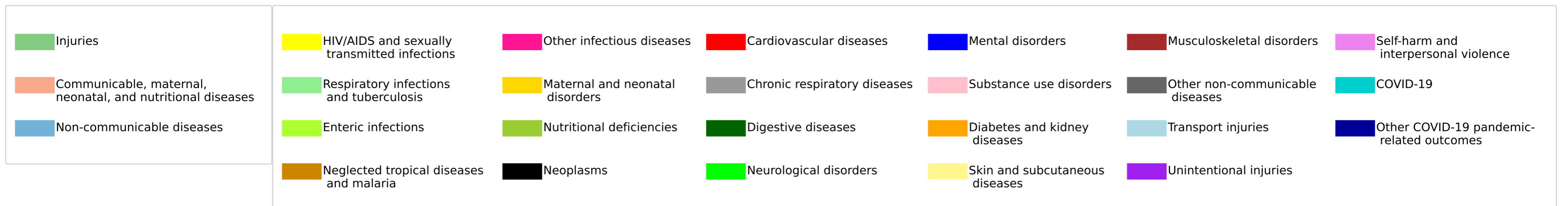
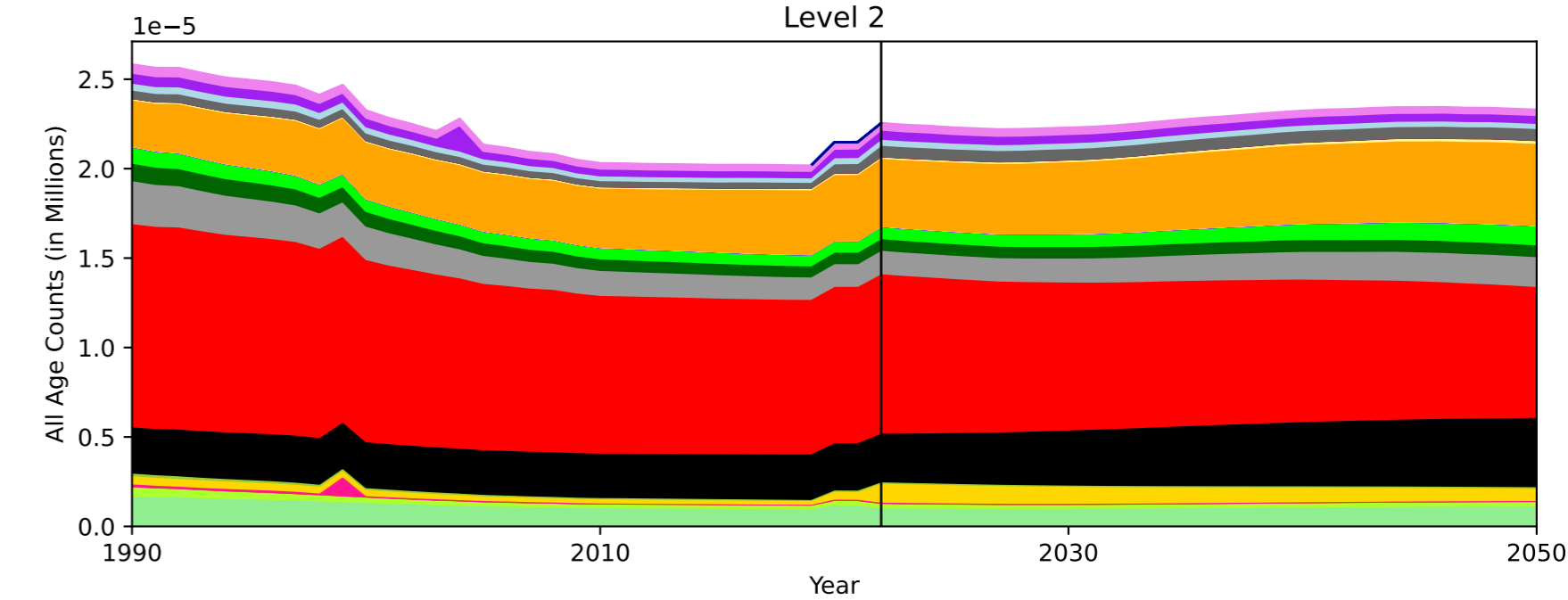
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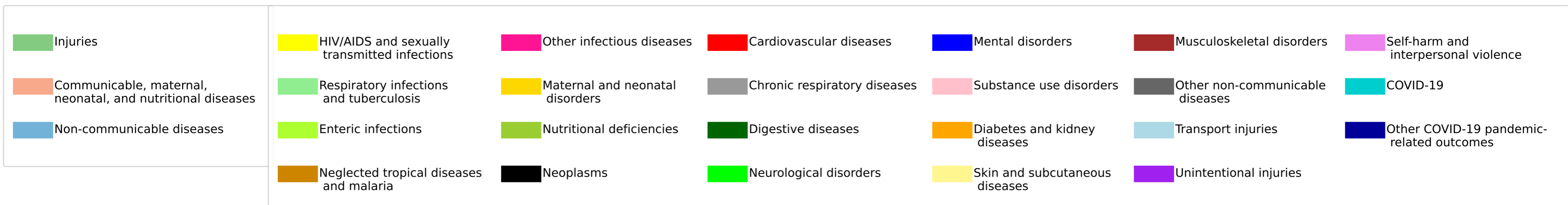
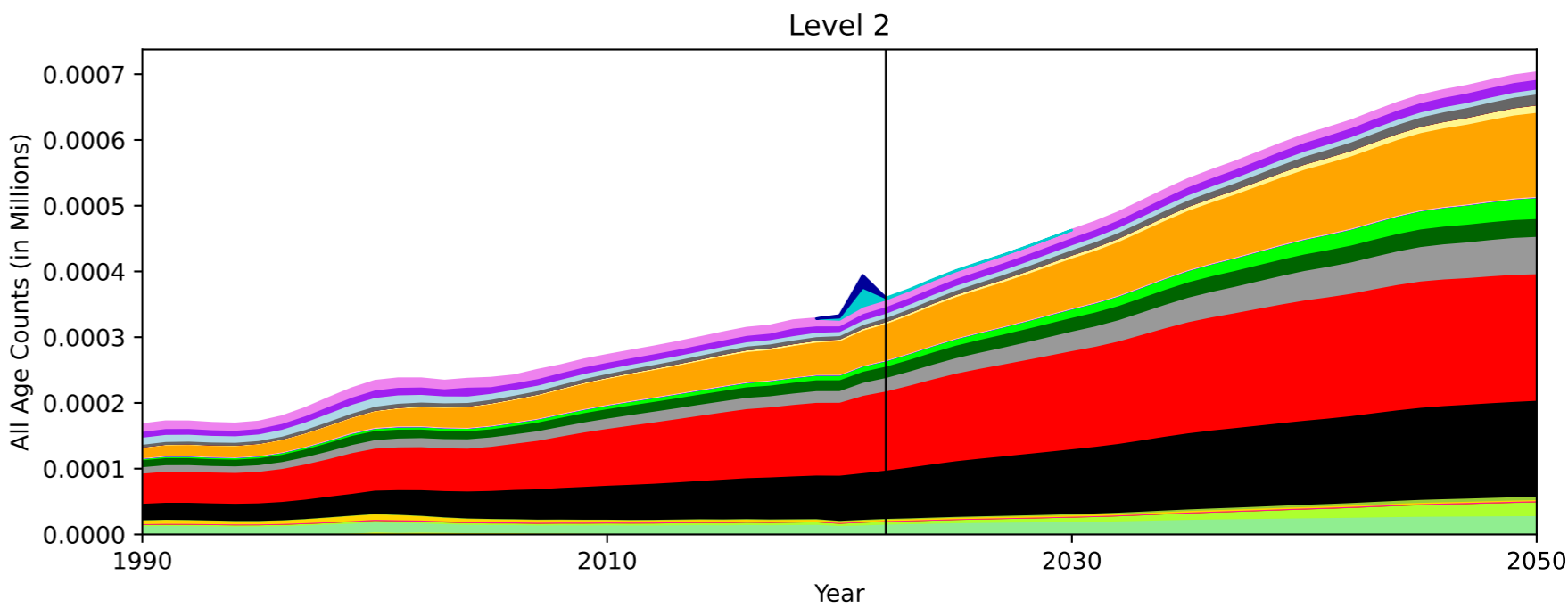
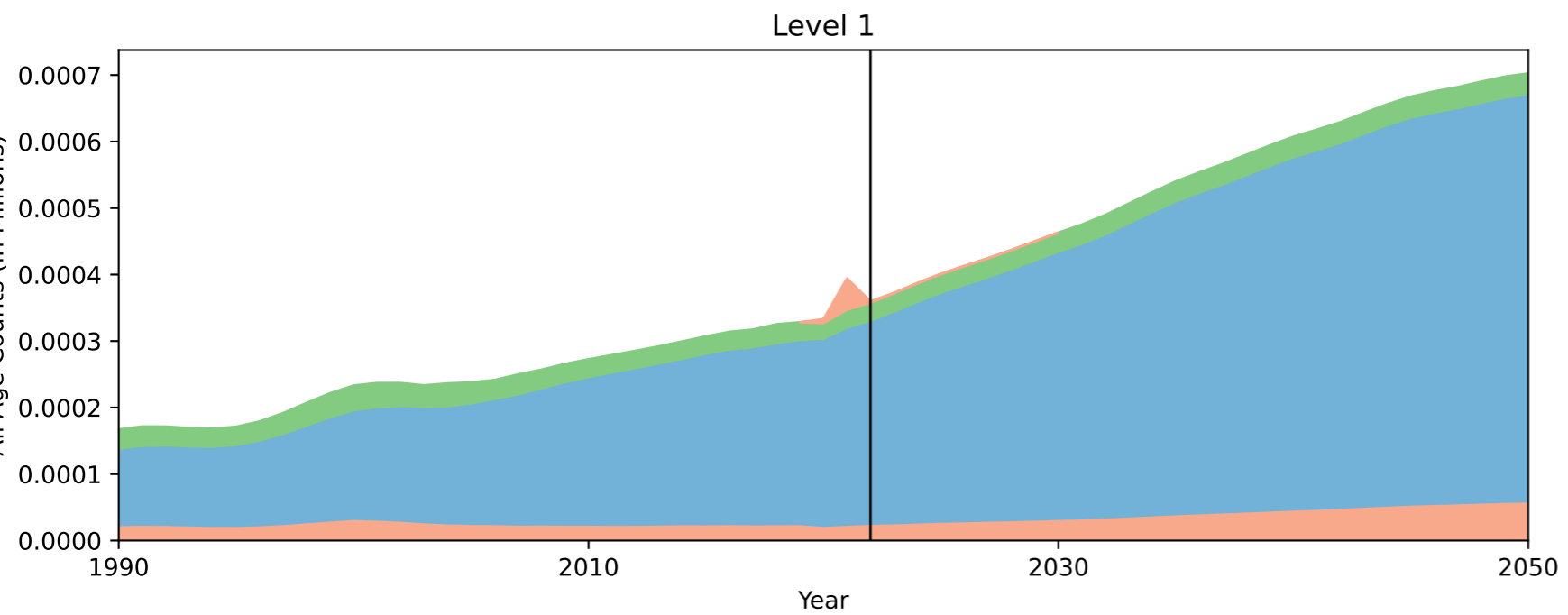
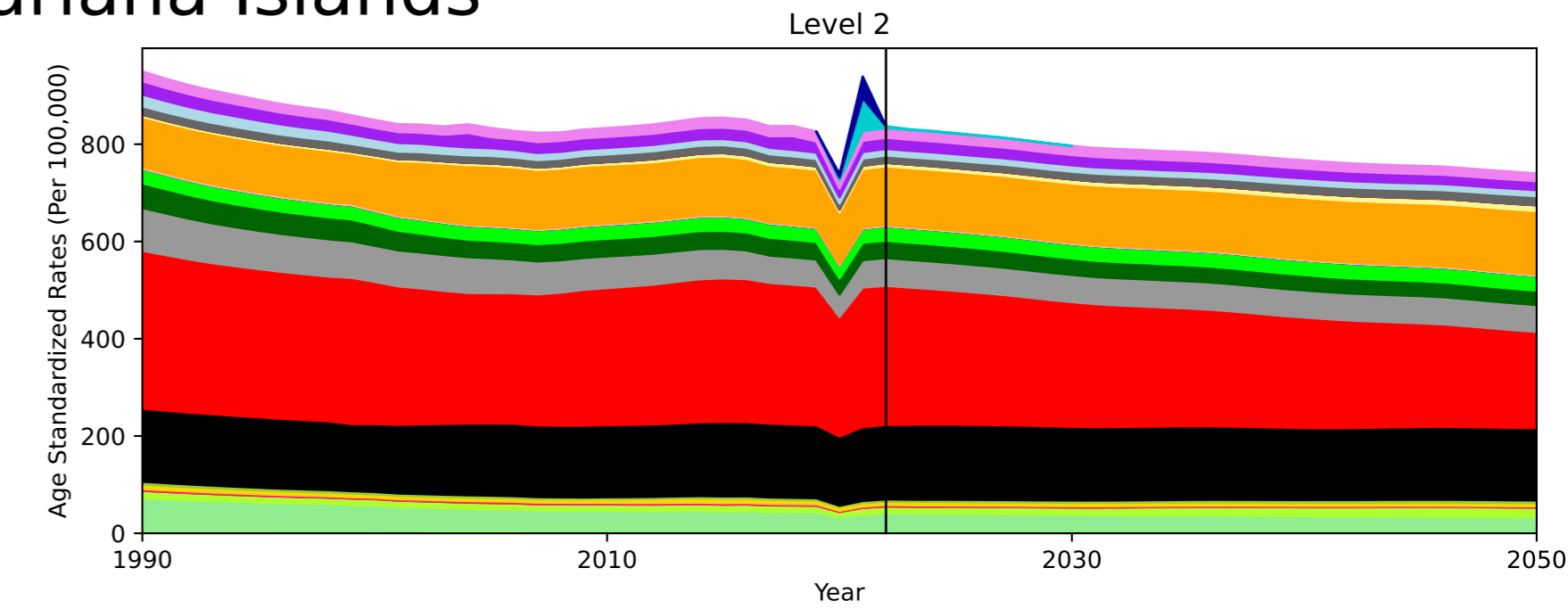
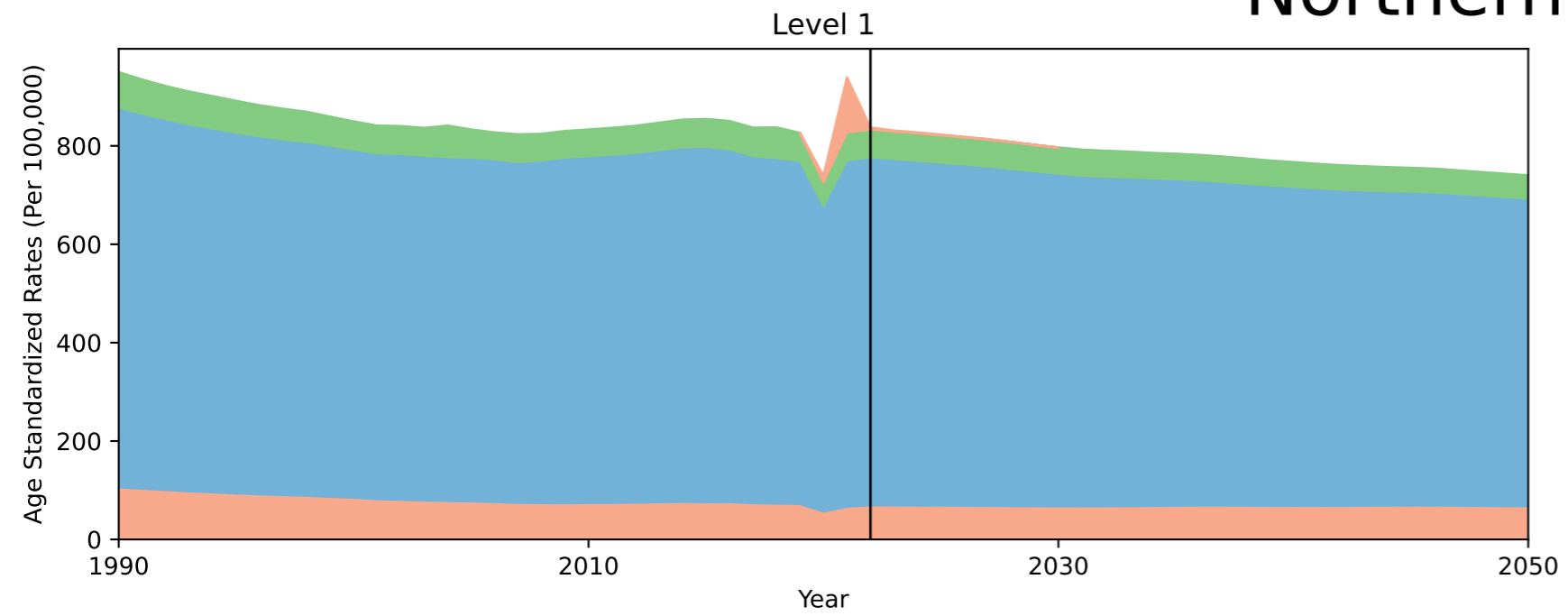
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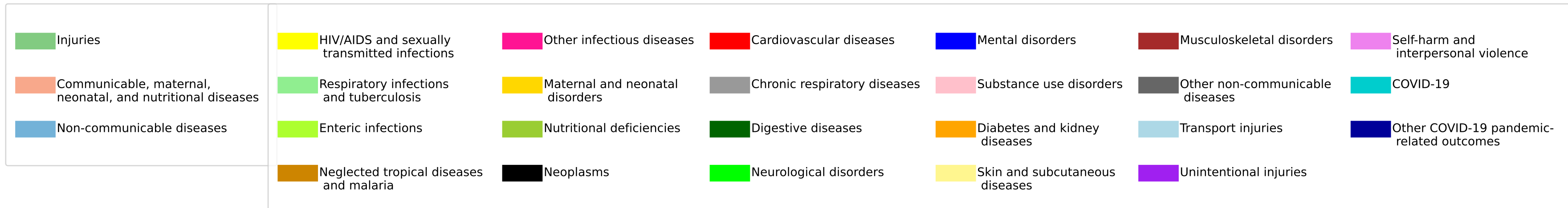
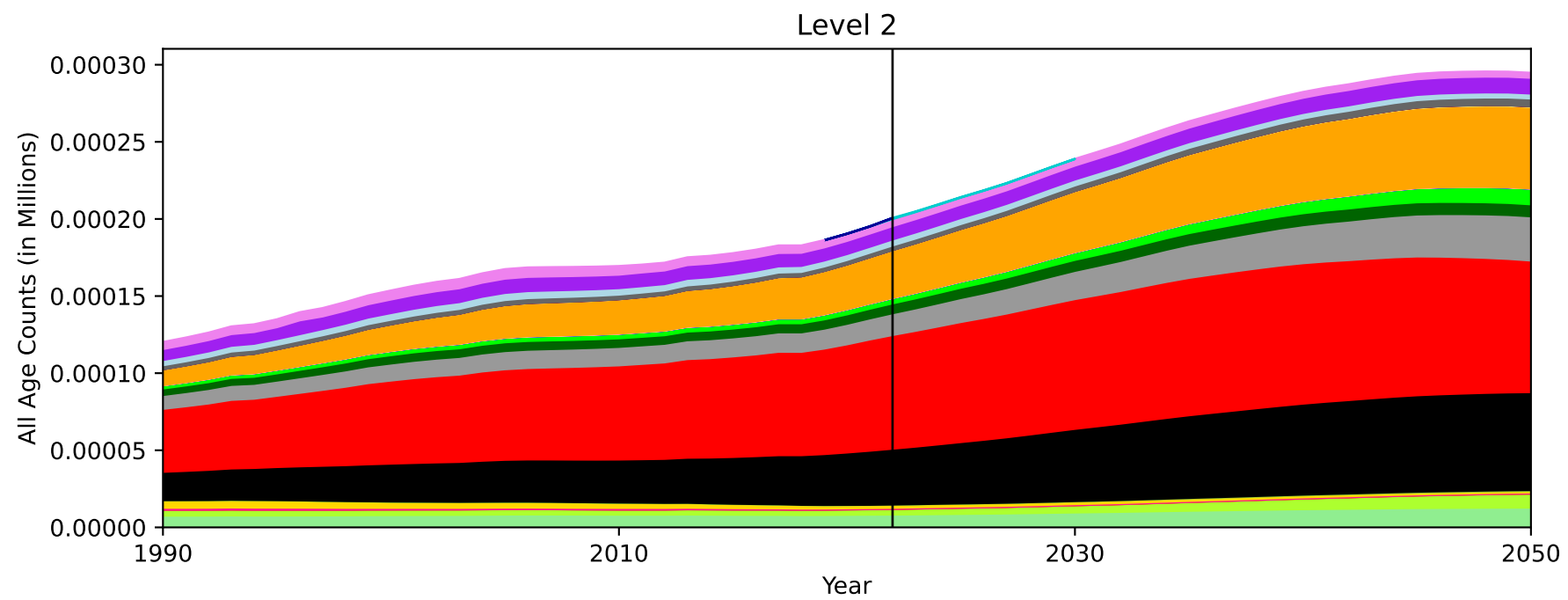
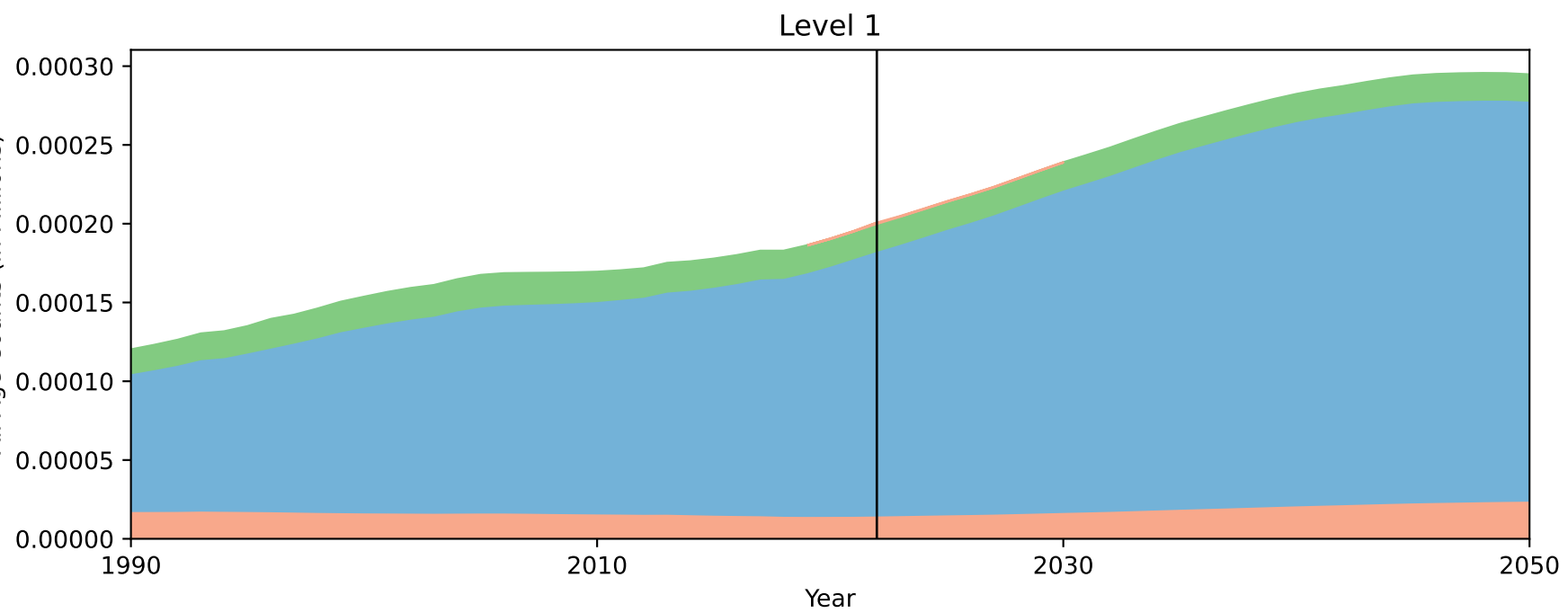
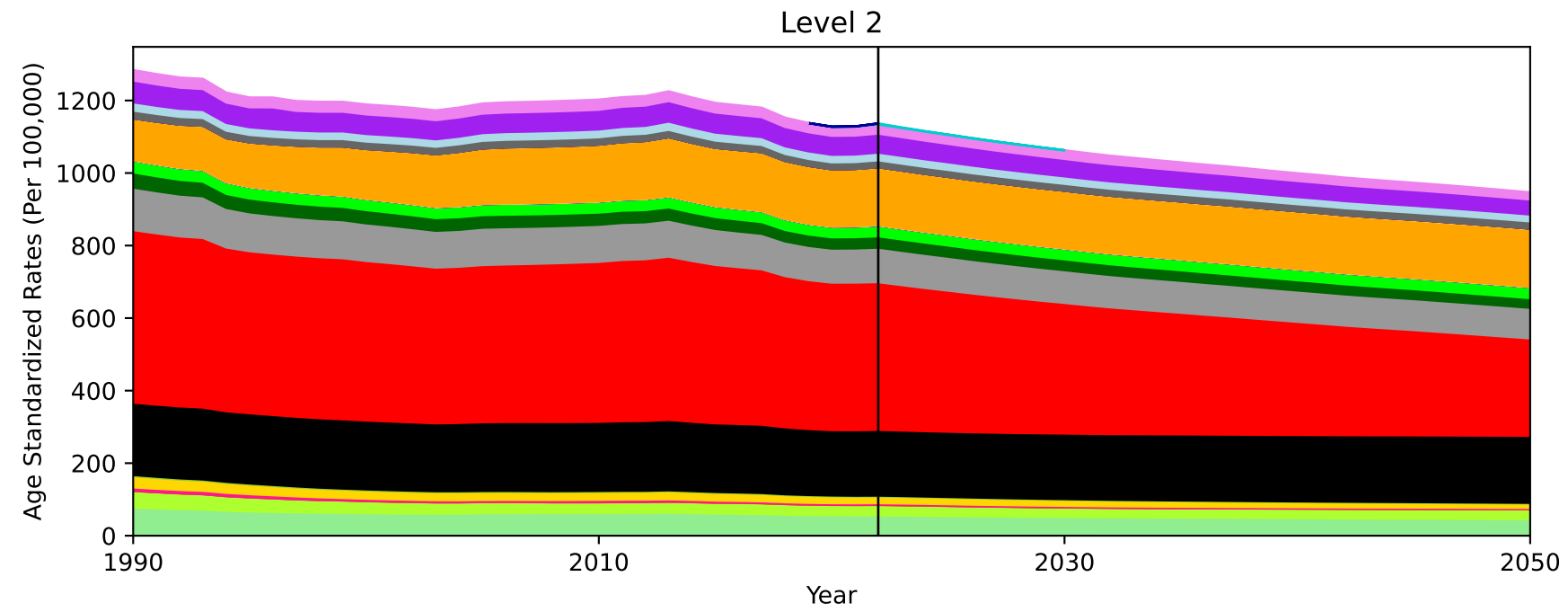
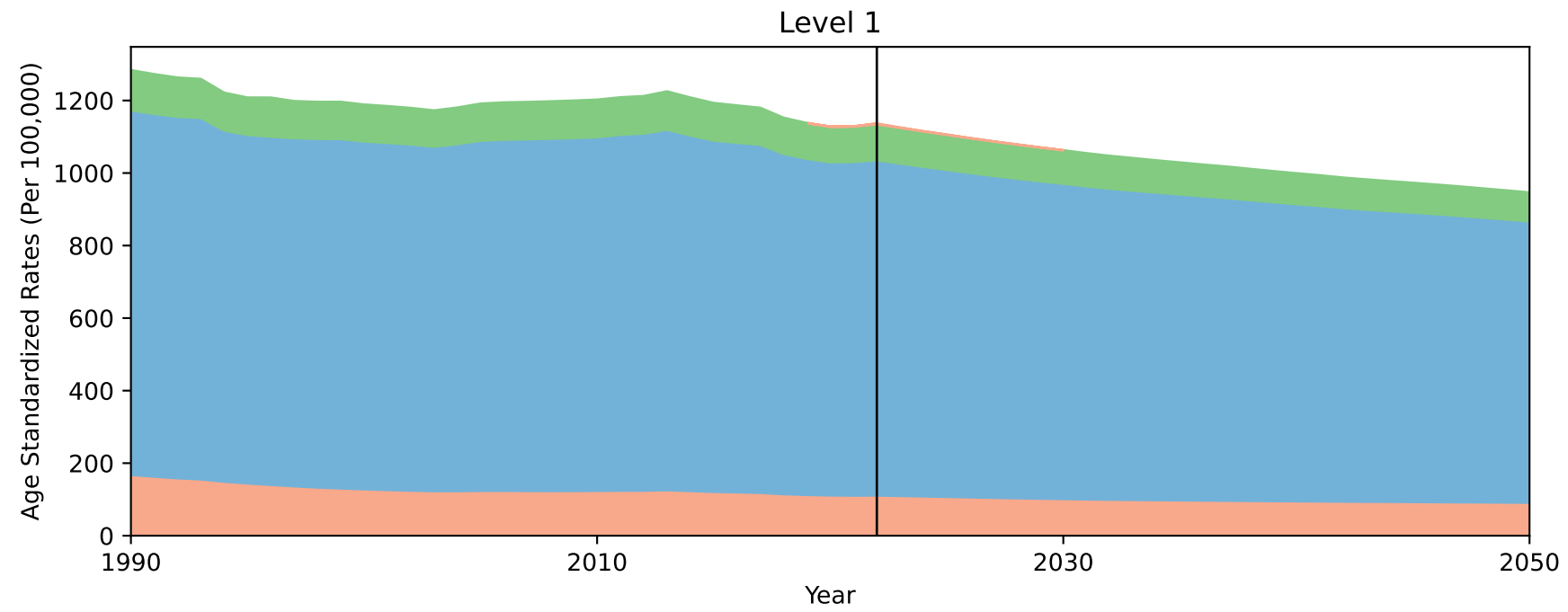
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# Northern Mariana Islands



# Palau

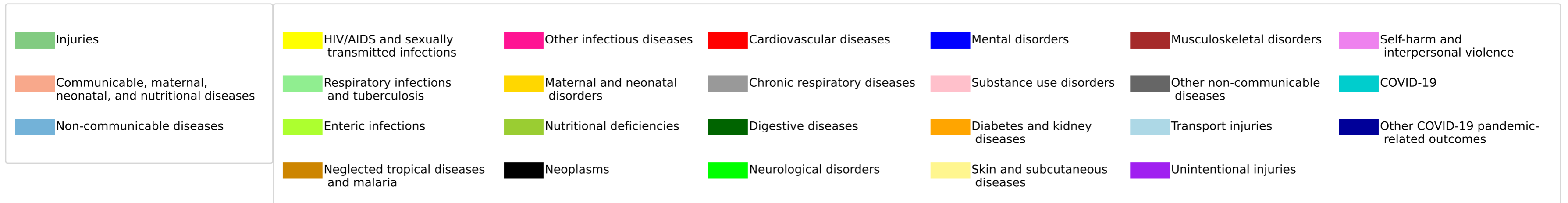
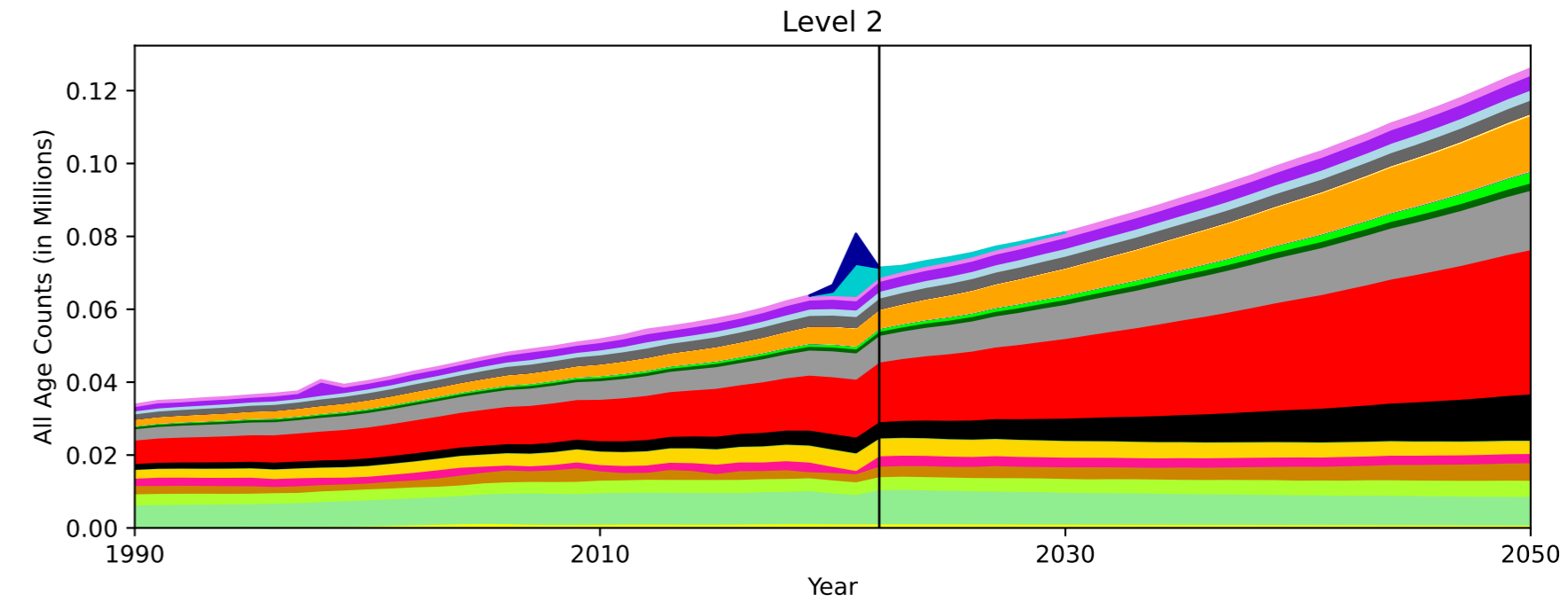
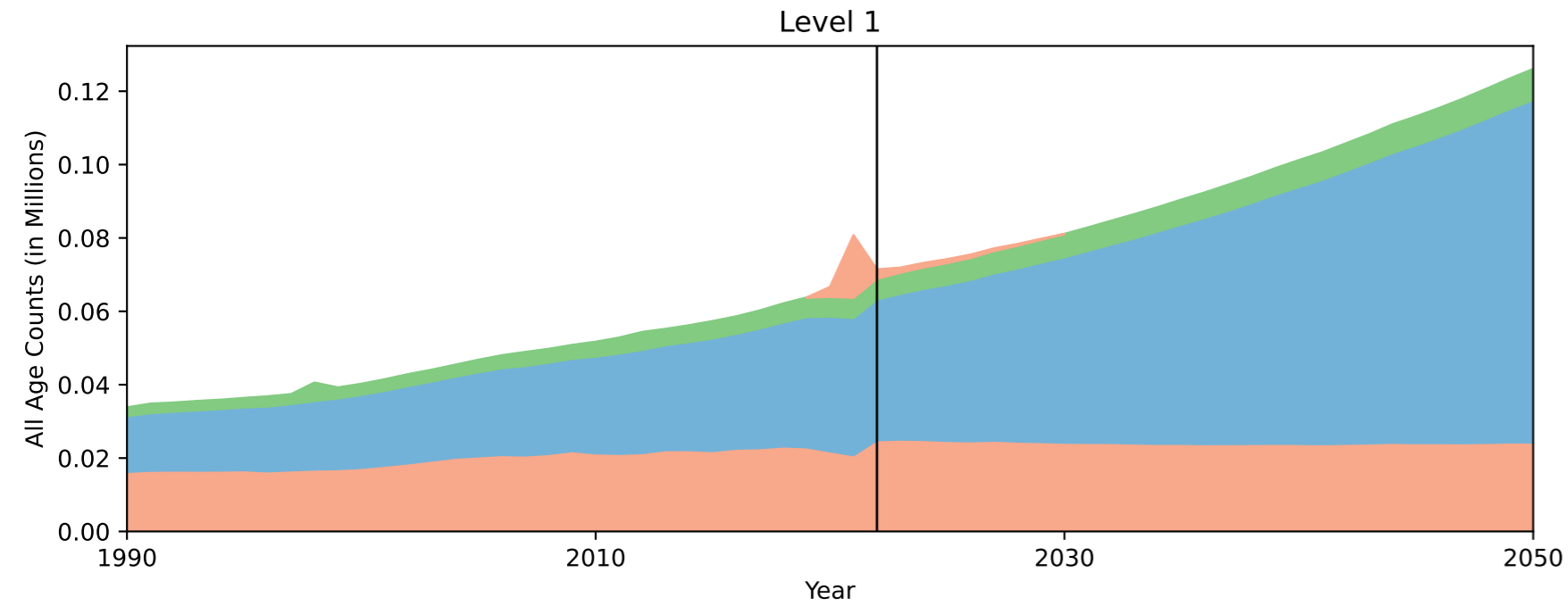
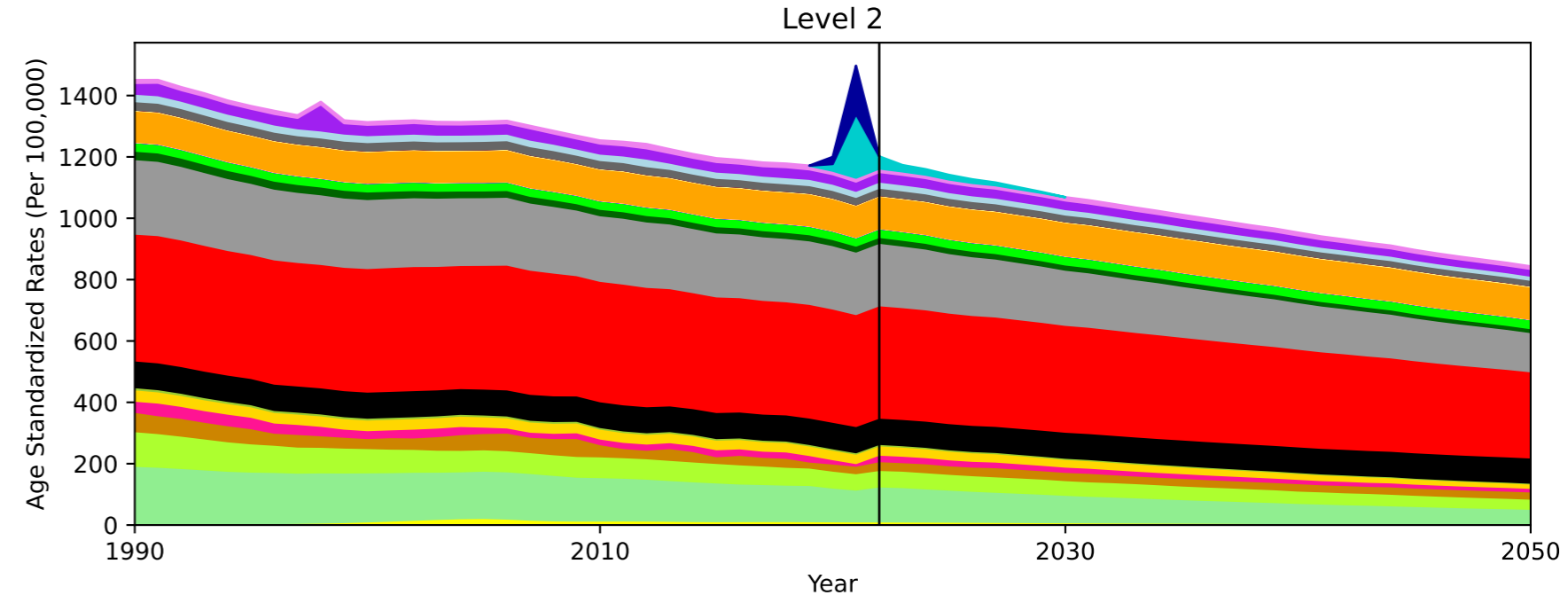
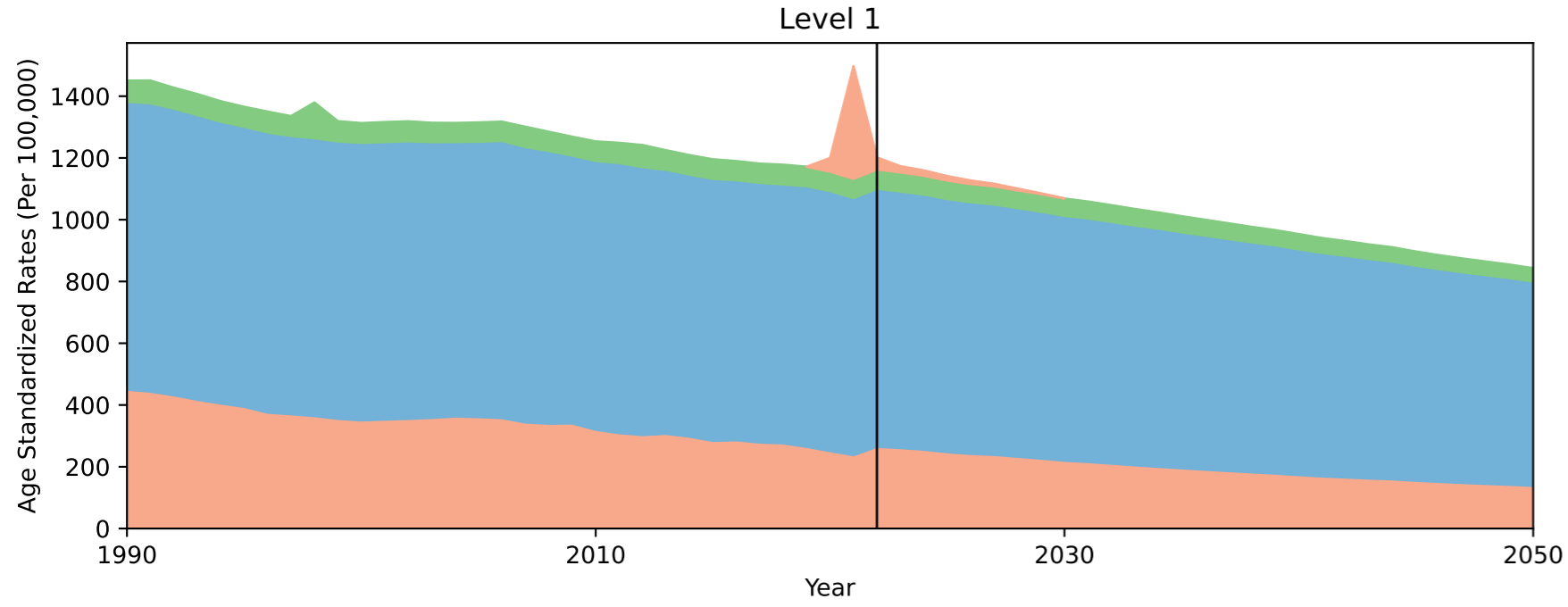




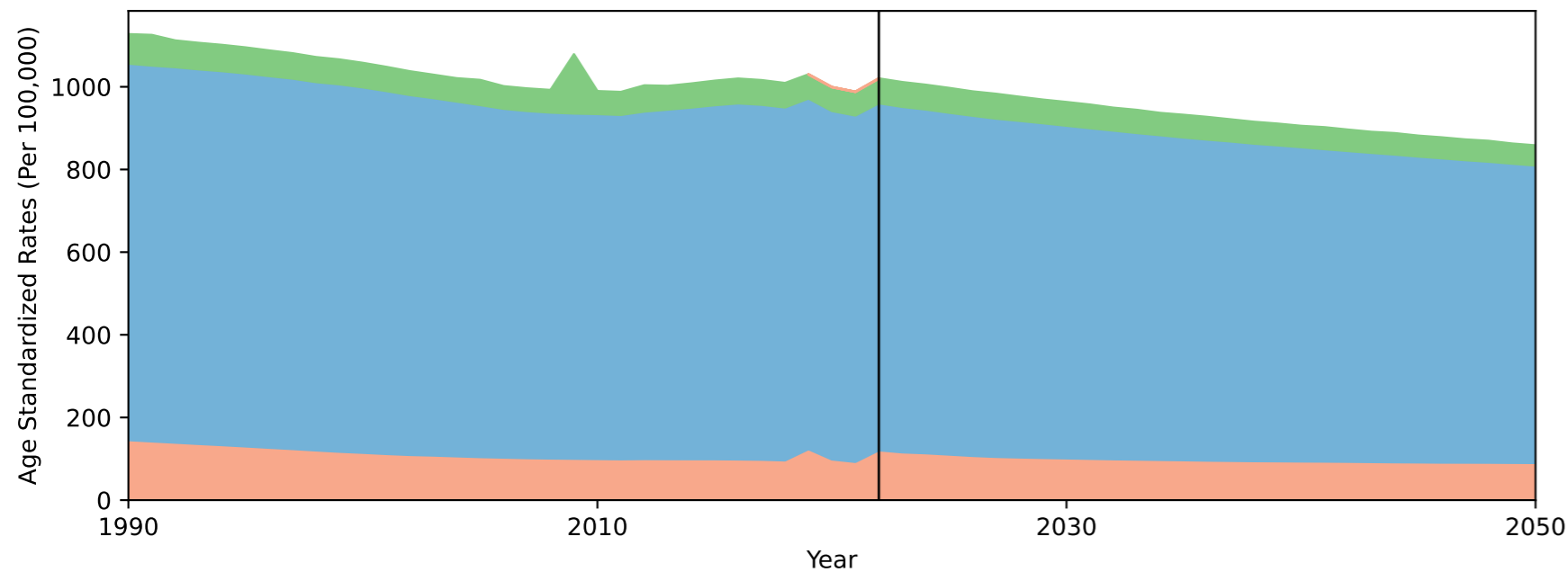
# Papua New Guinea

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

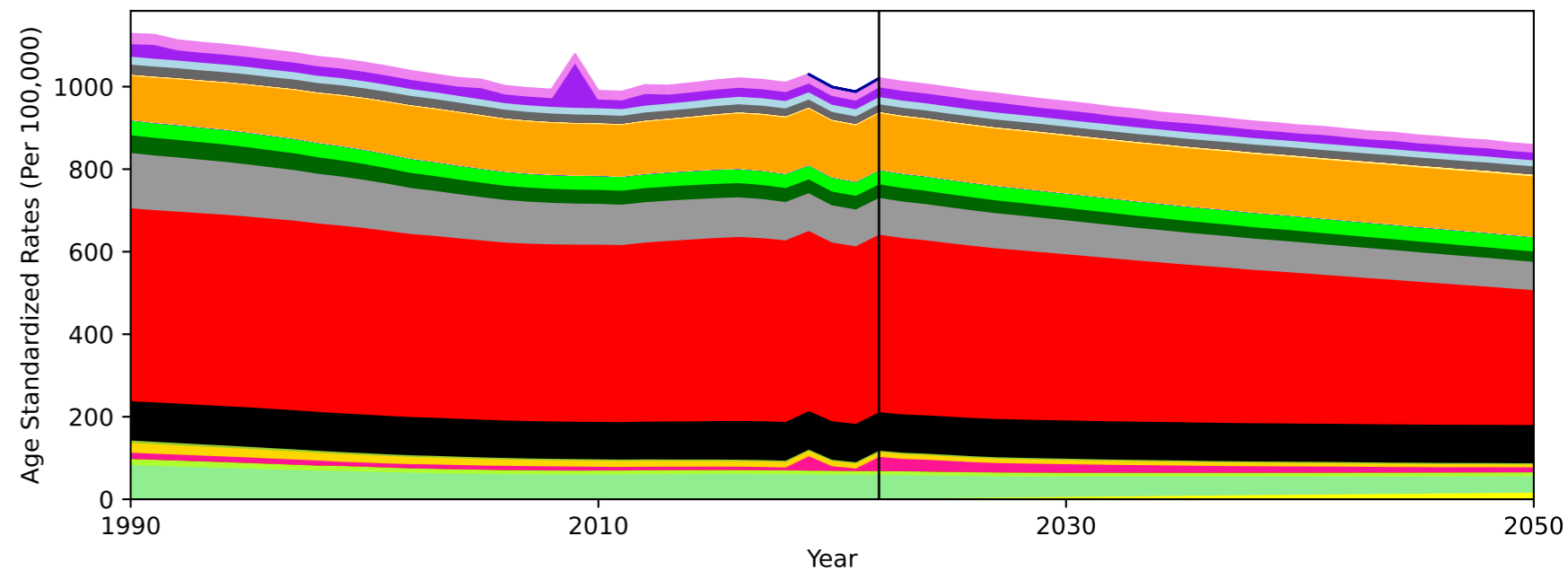
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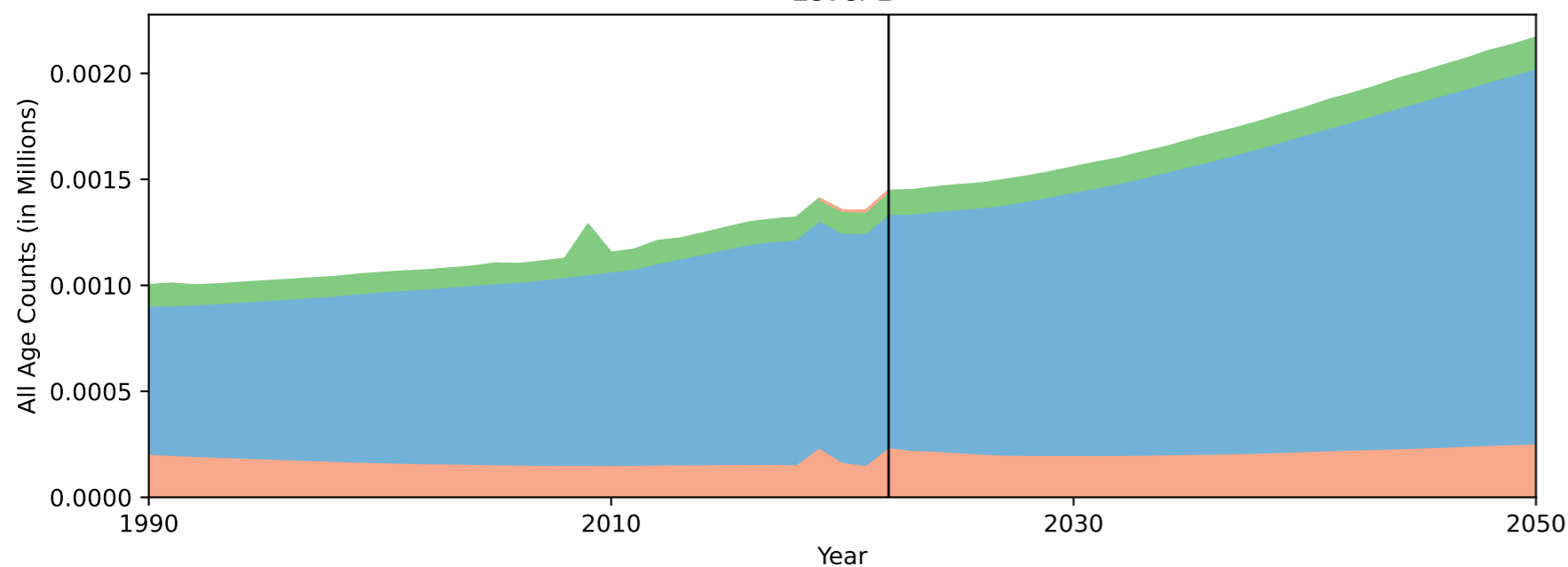
Level 1



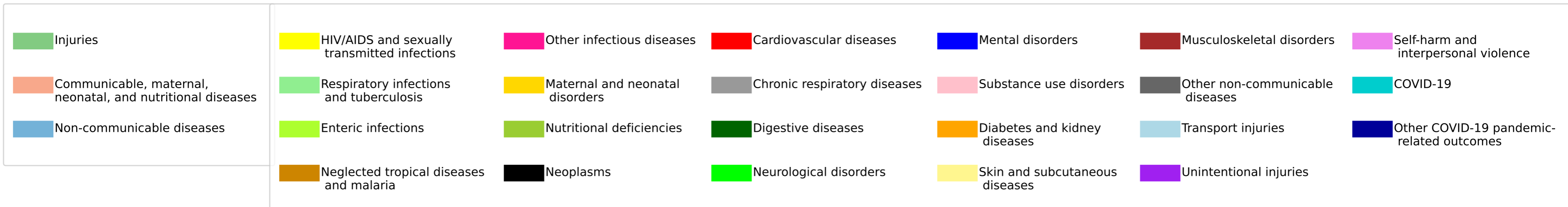
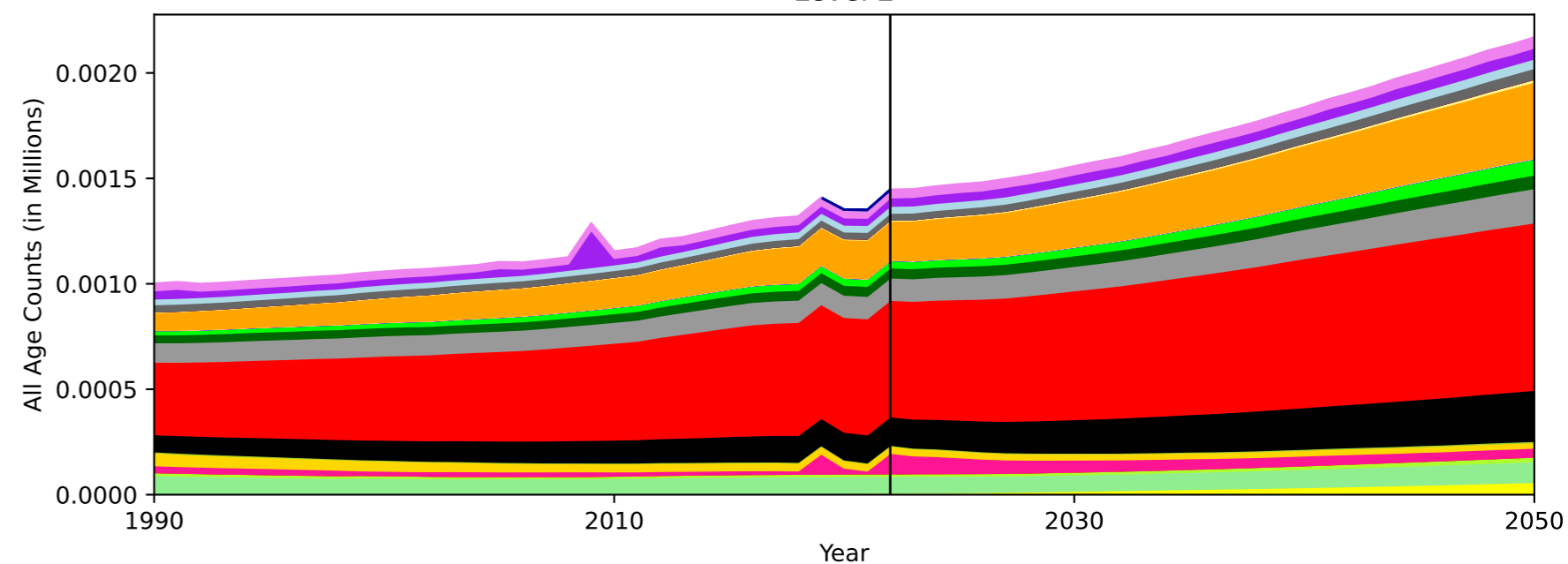
Level 2



Level 1



Level 2

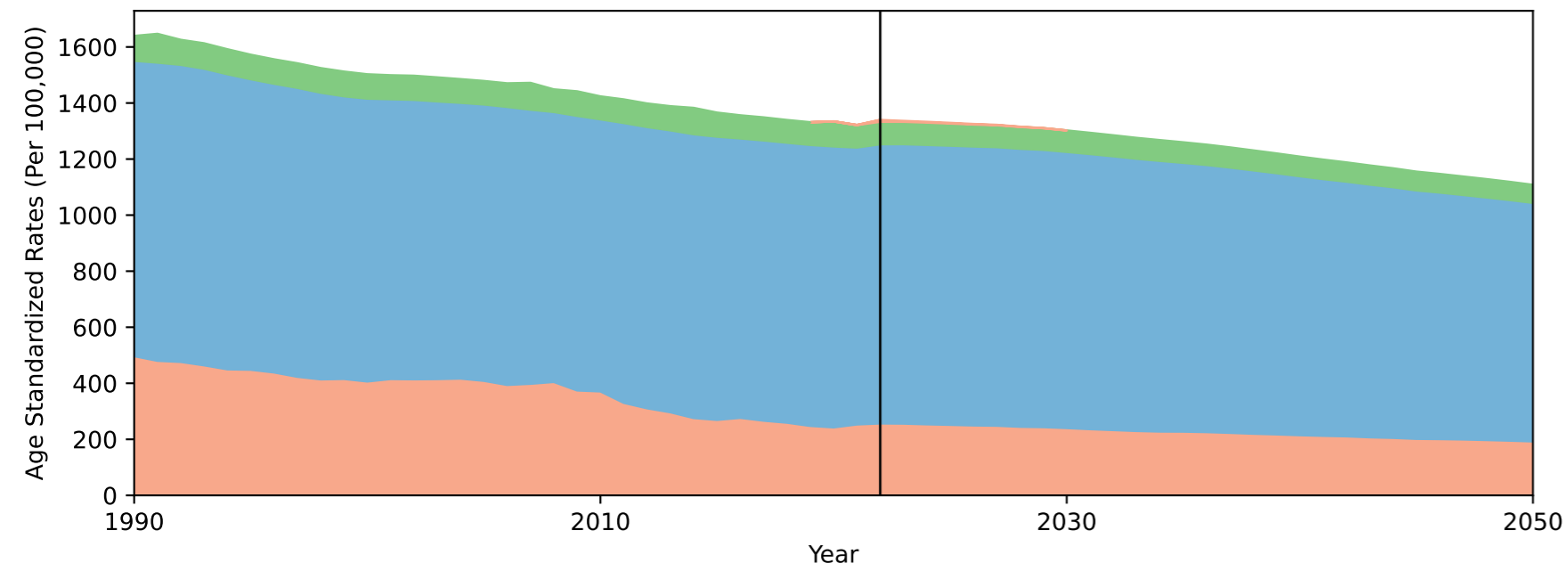


# Solomon Islands

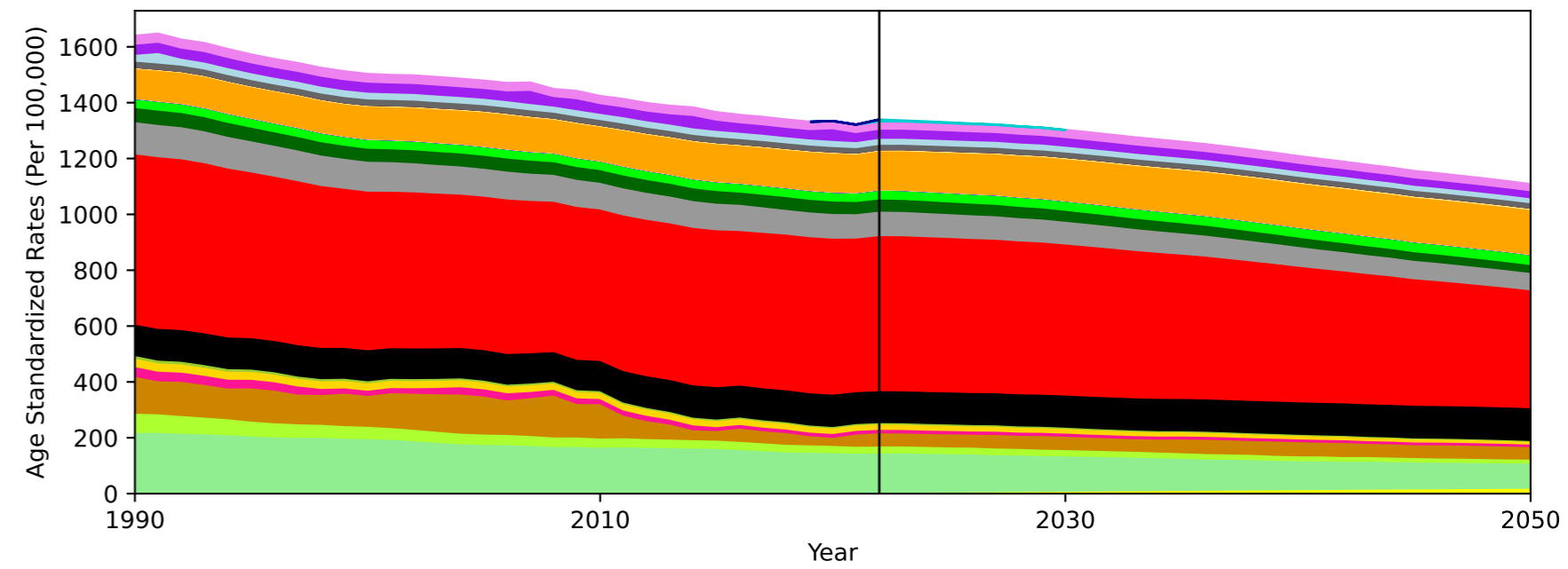
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

618

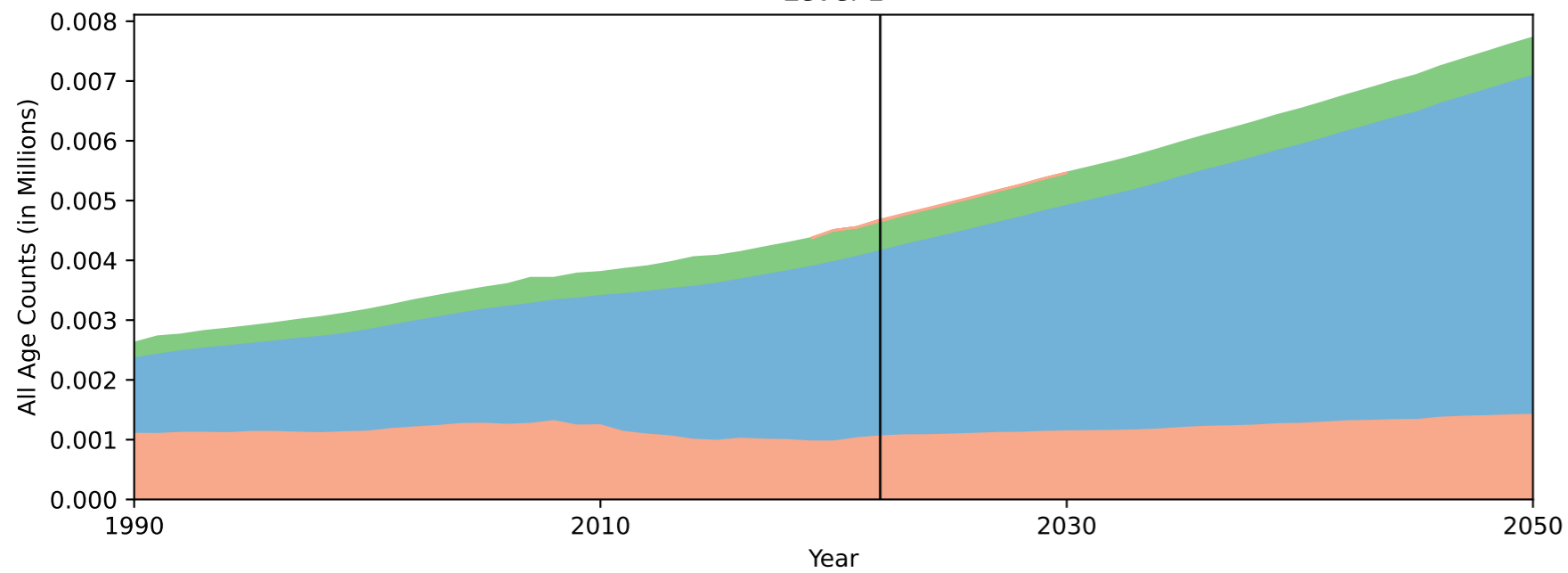
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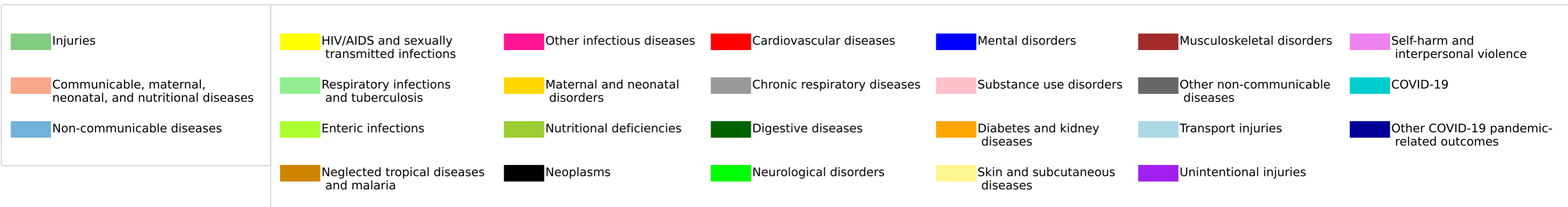
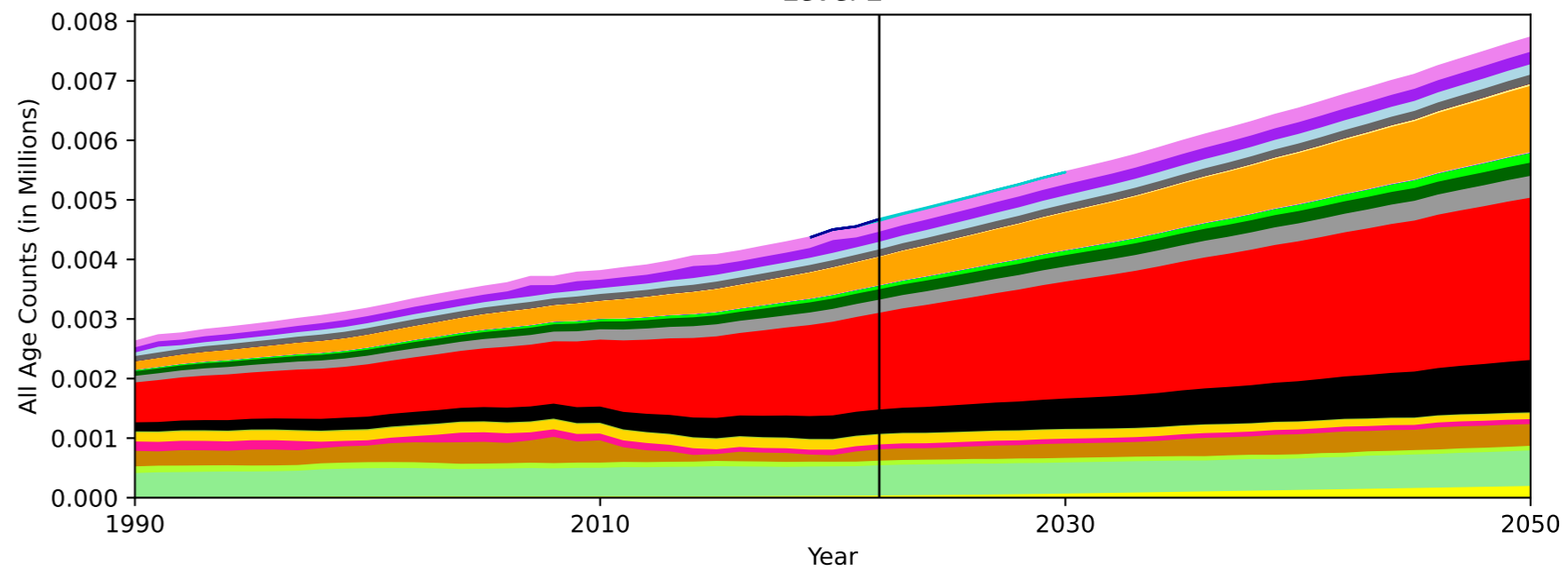
Level 2



Level 1

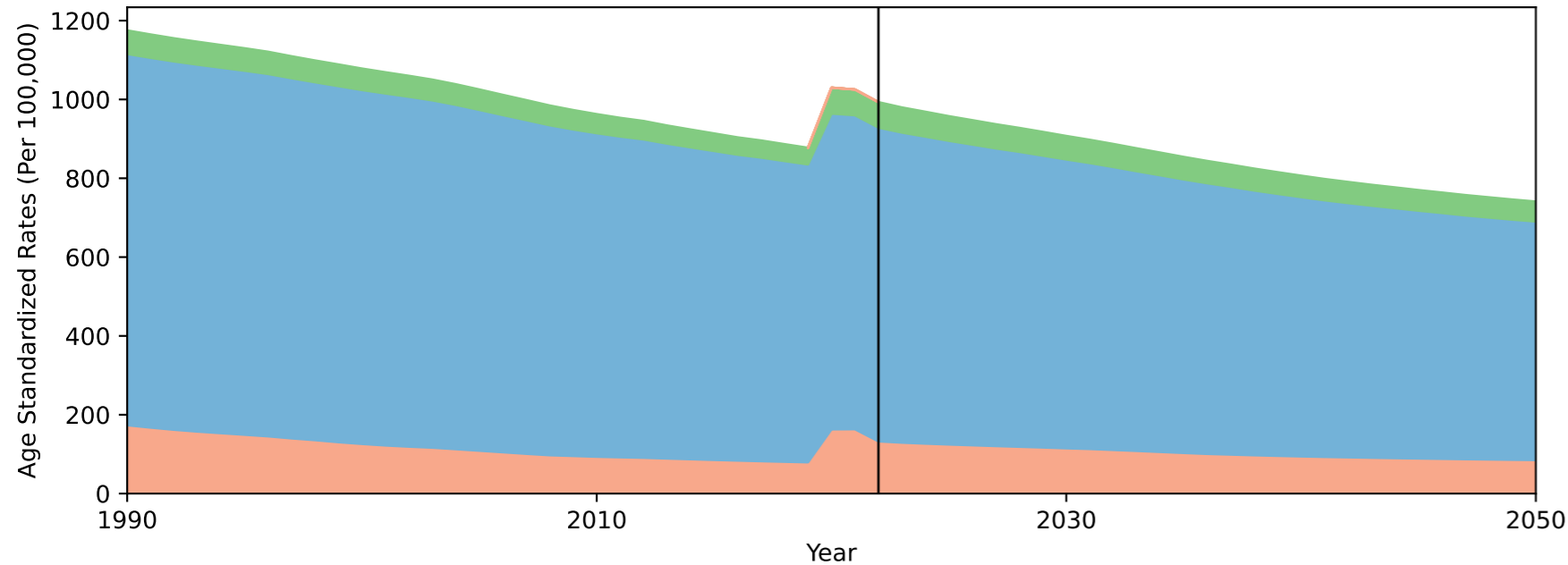


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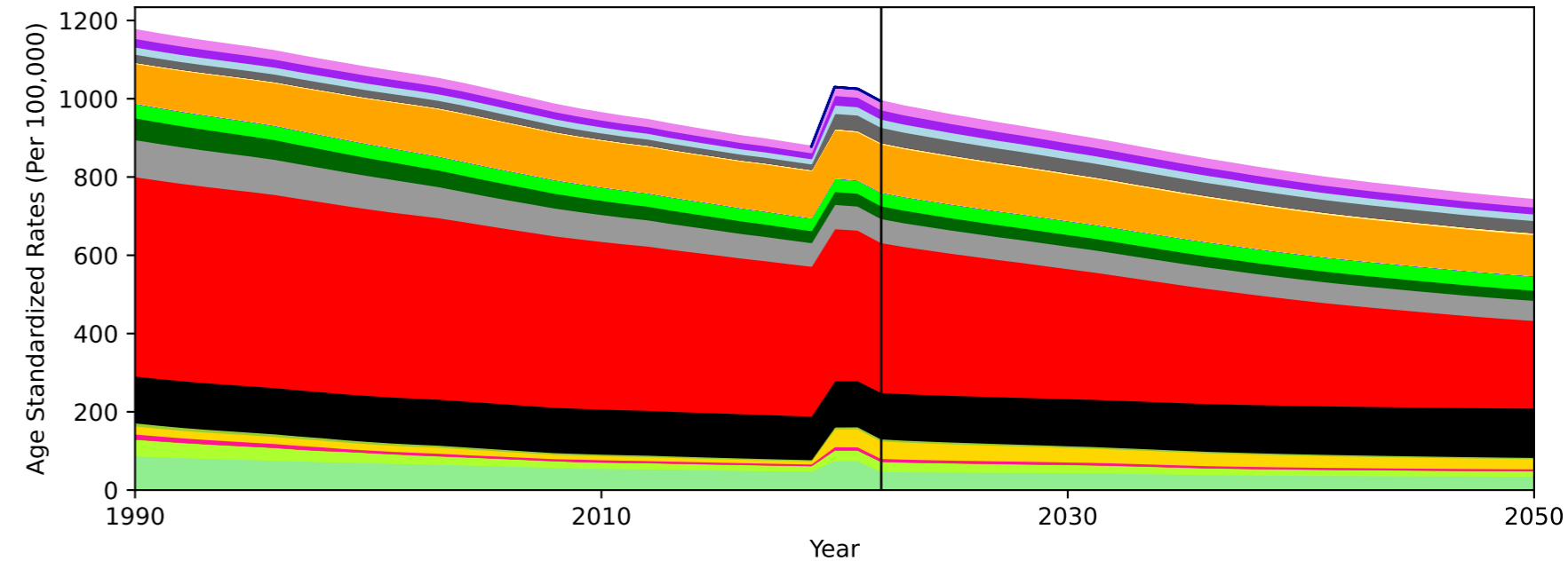


# Tokelau

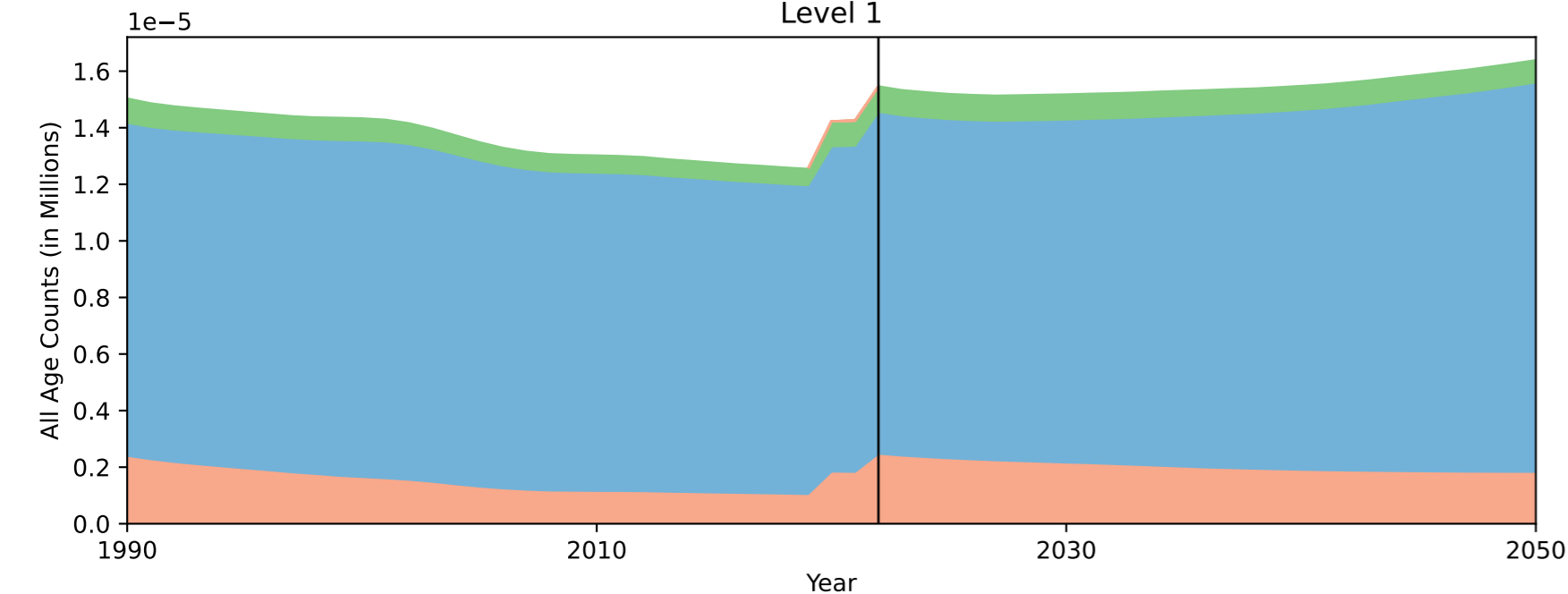
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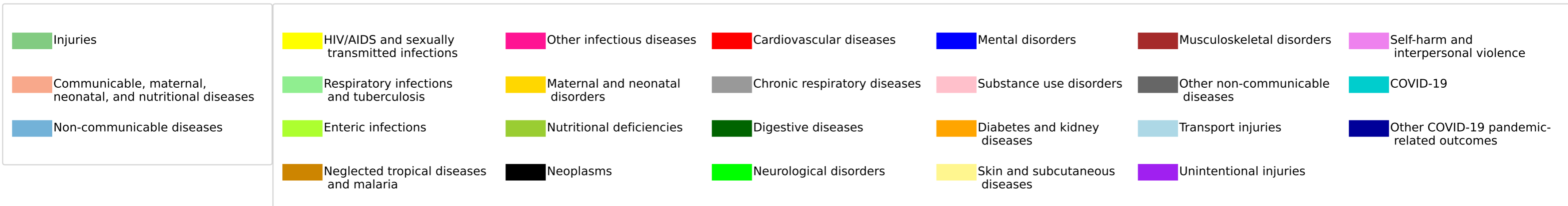
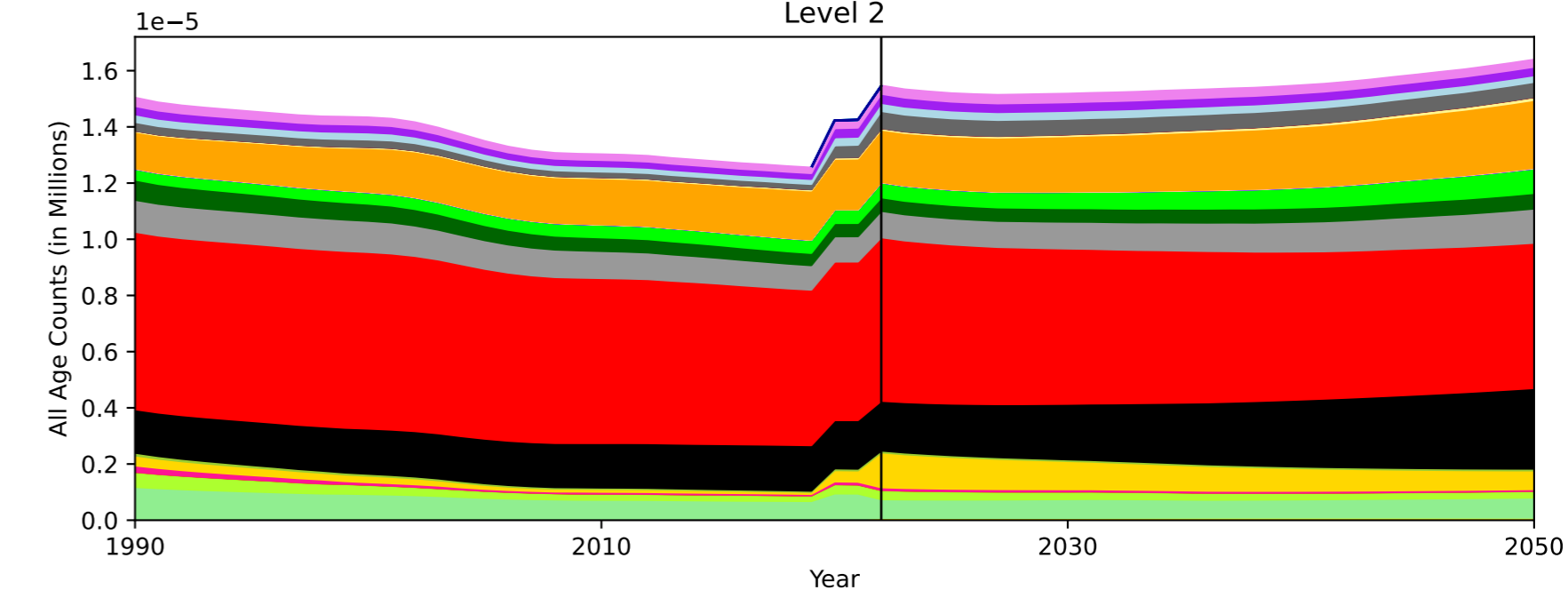
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Level 1

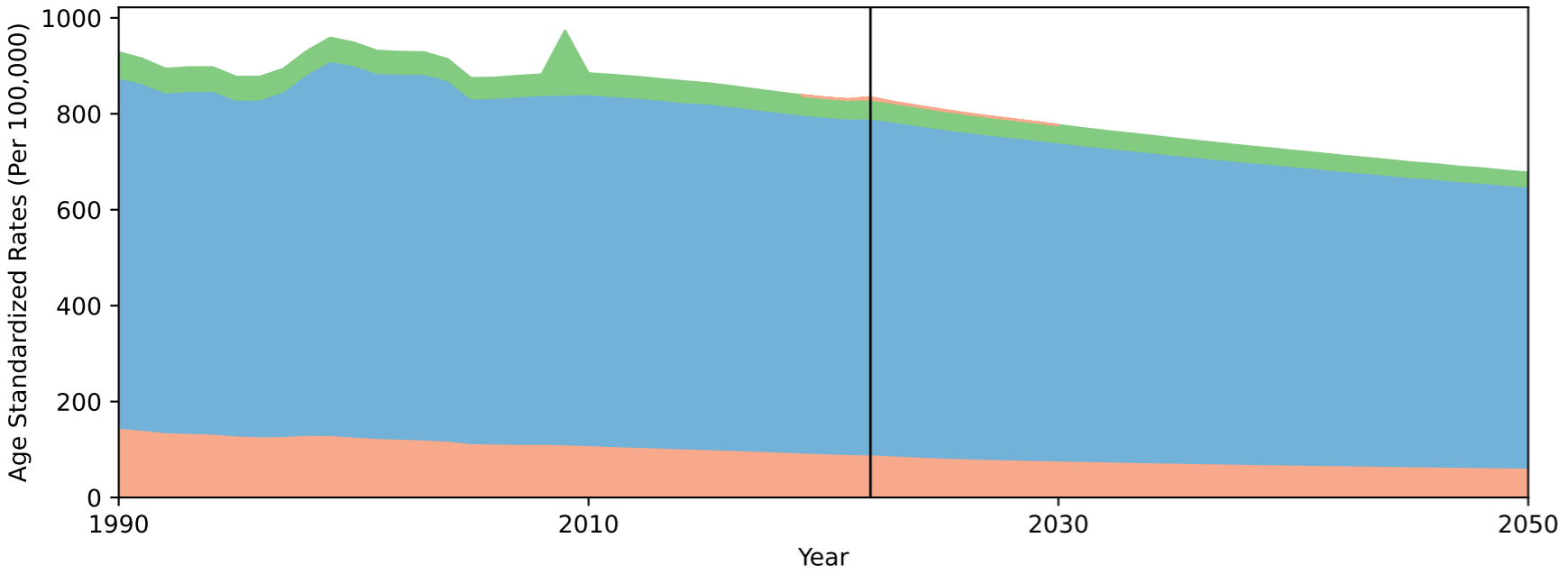


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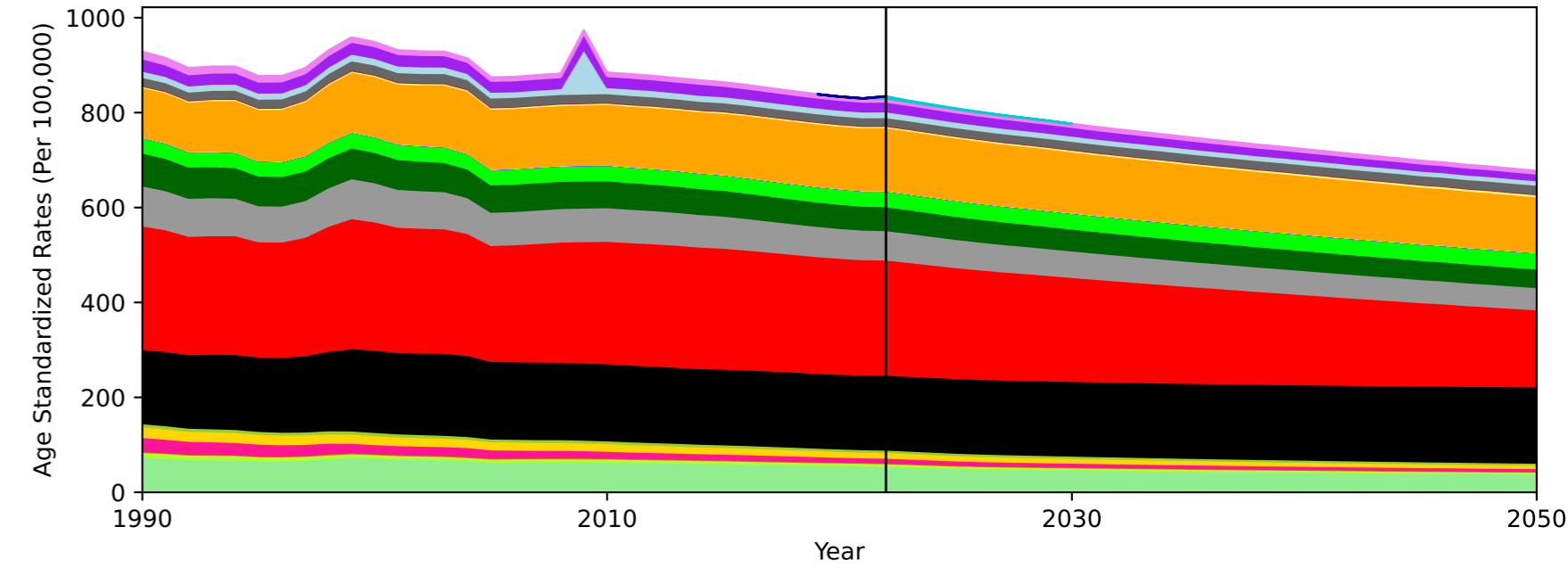


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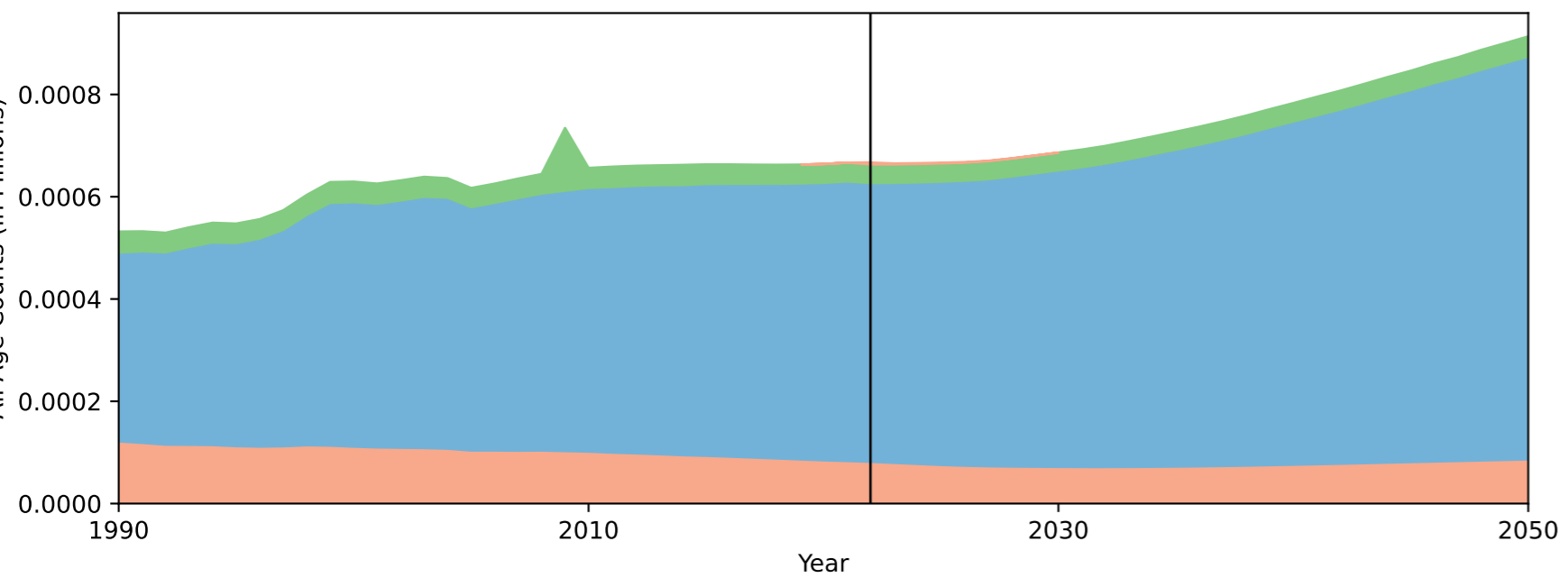
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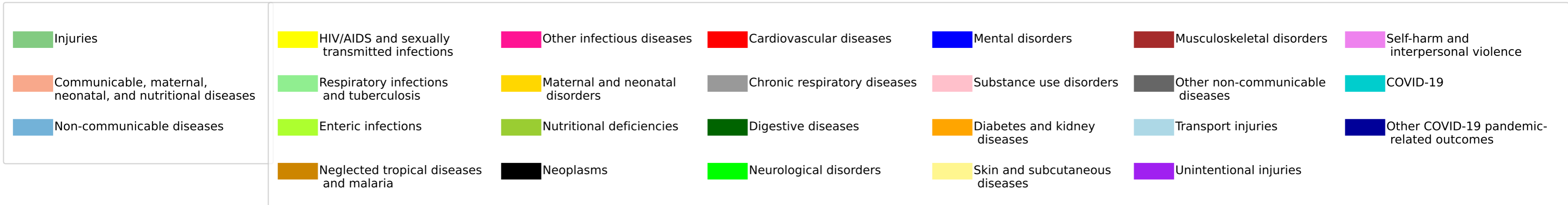
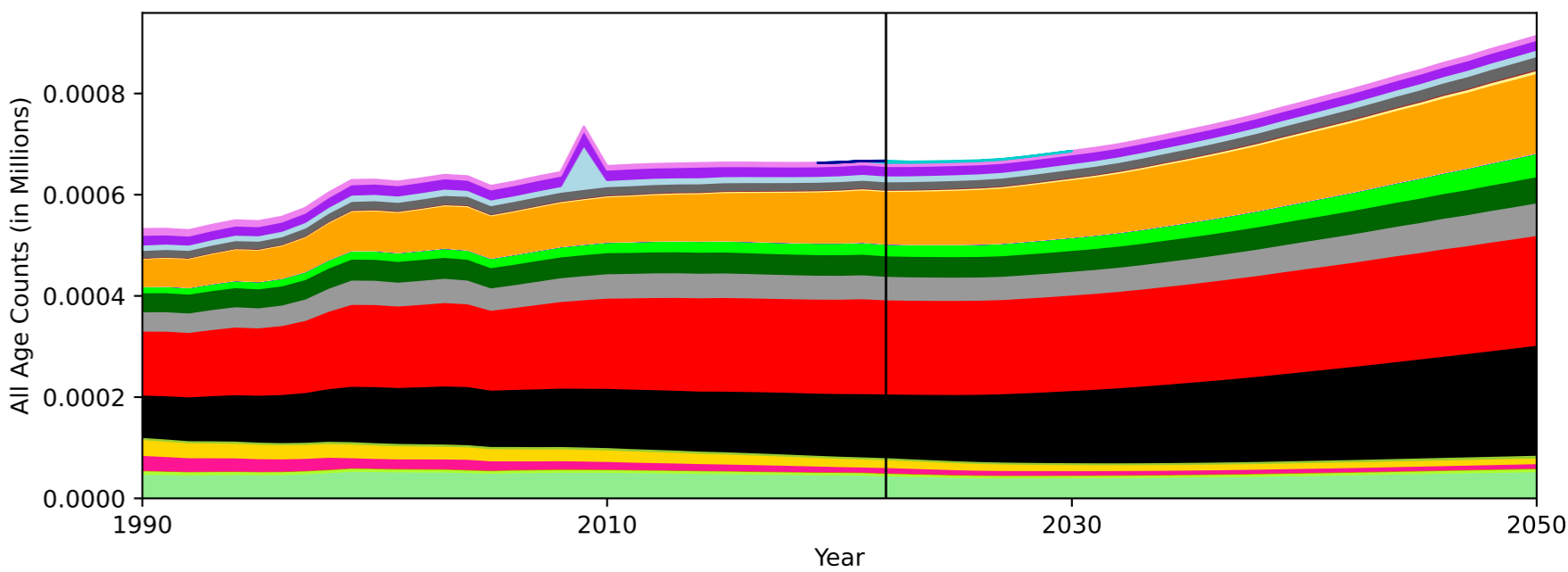
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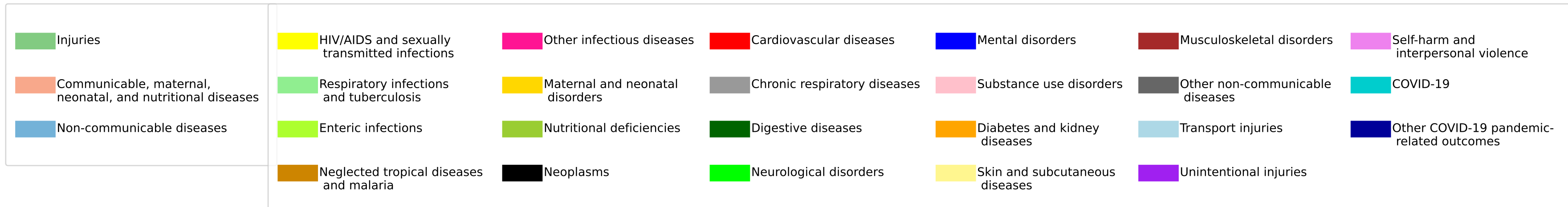
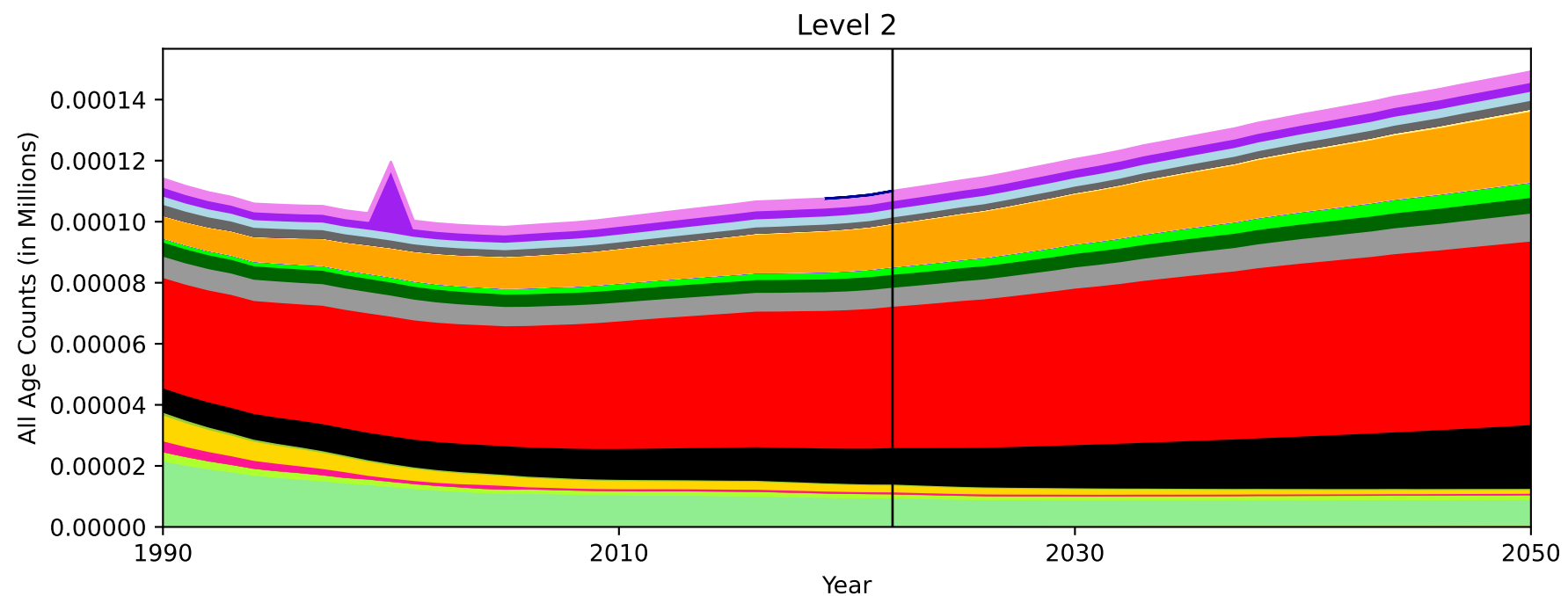
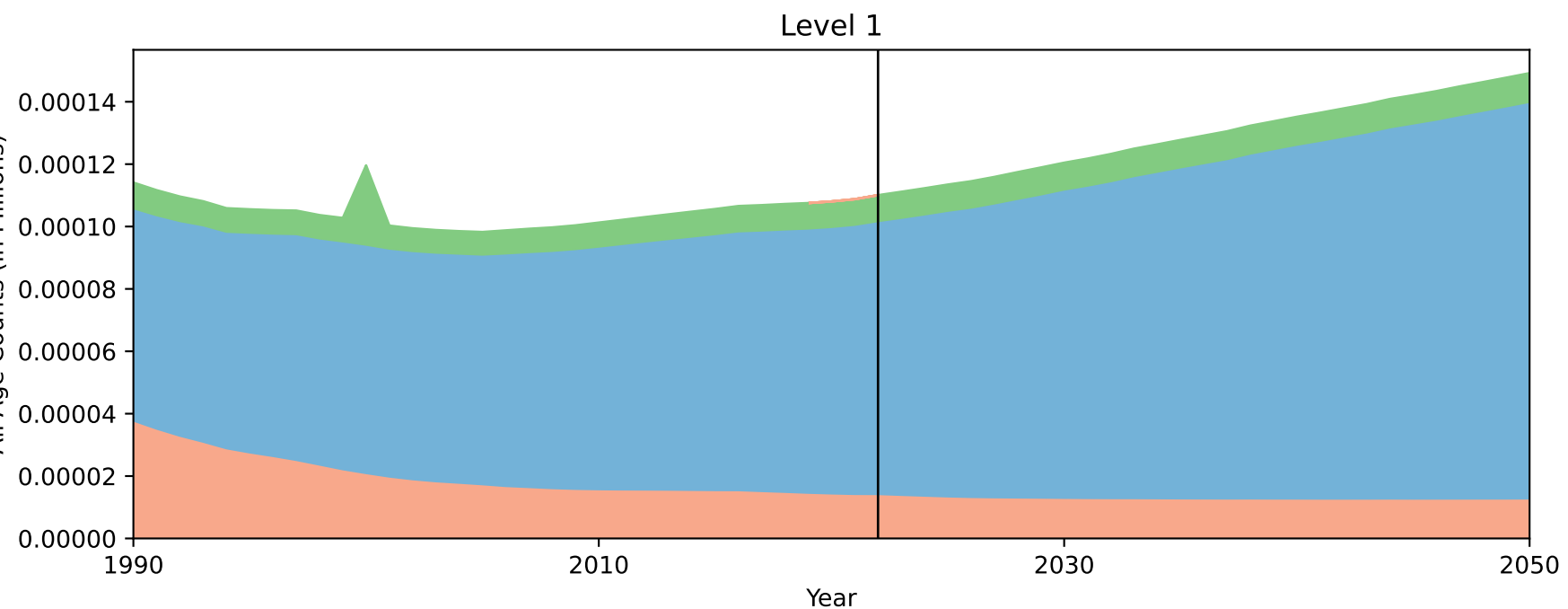
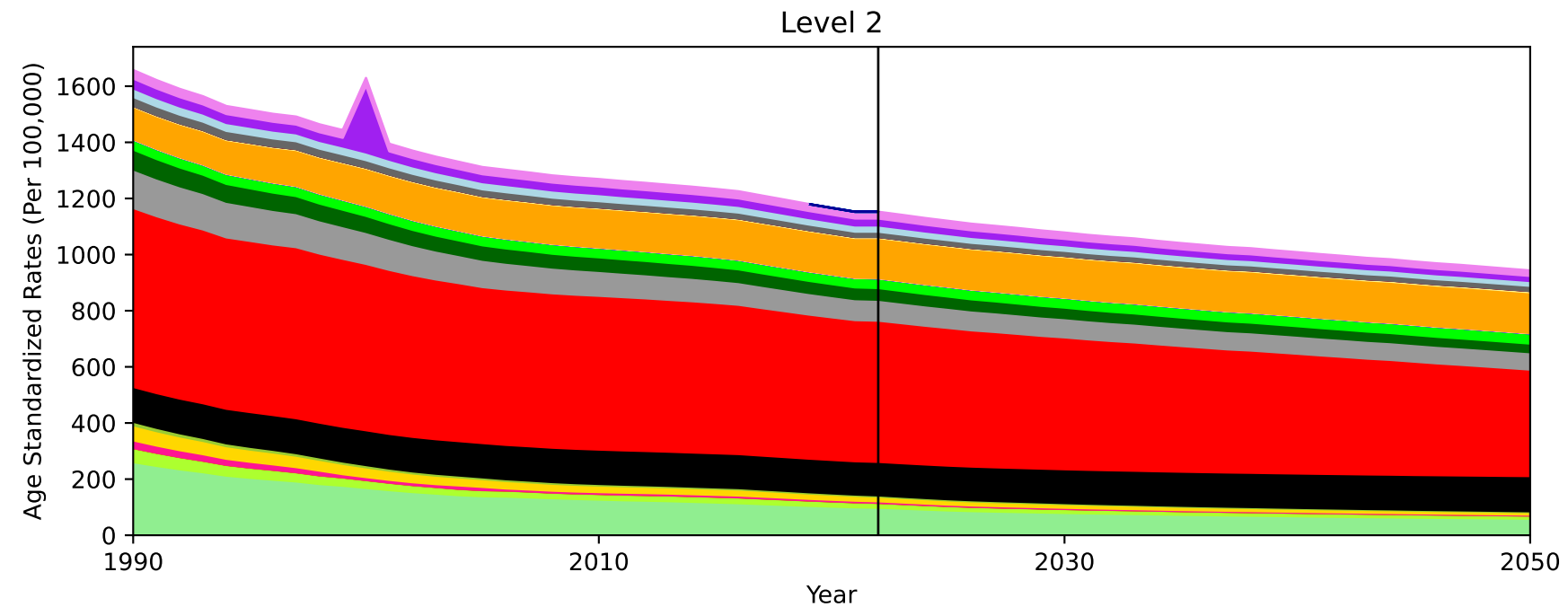
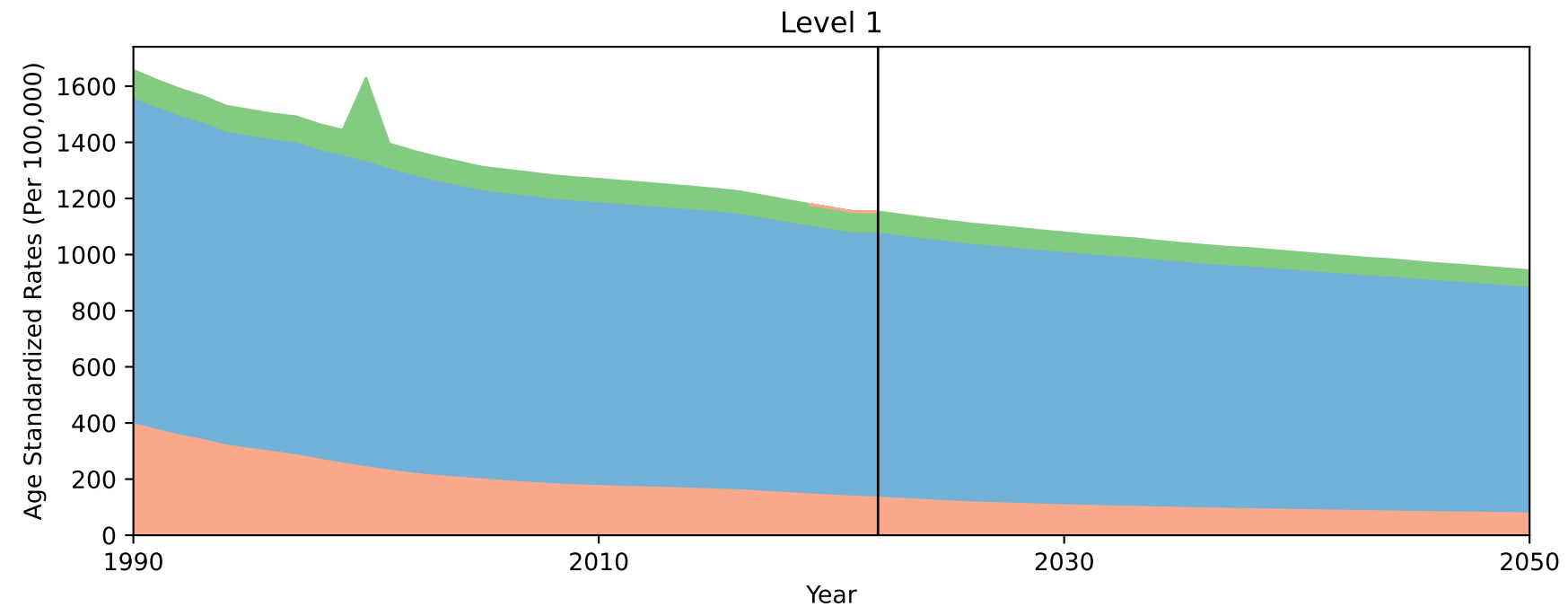
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Level 2

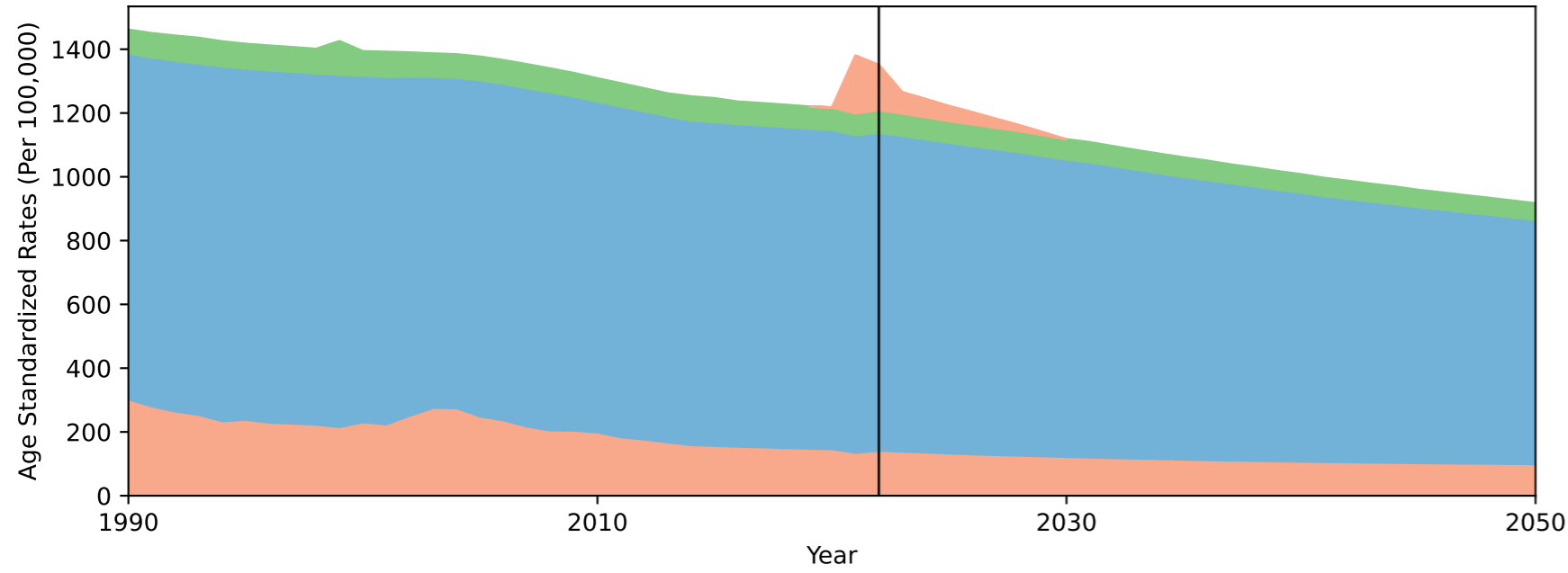


# Tuvalu

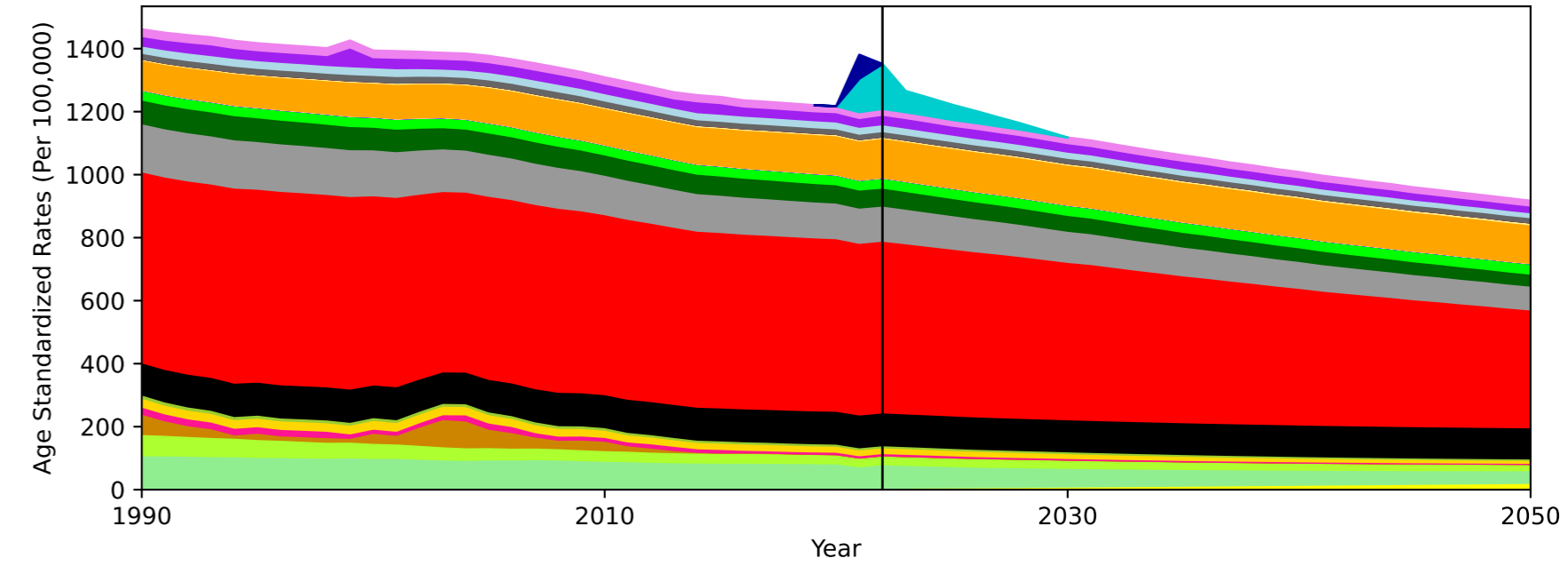


# Vanuatu

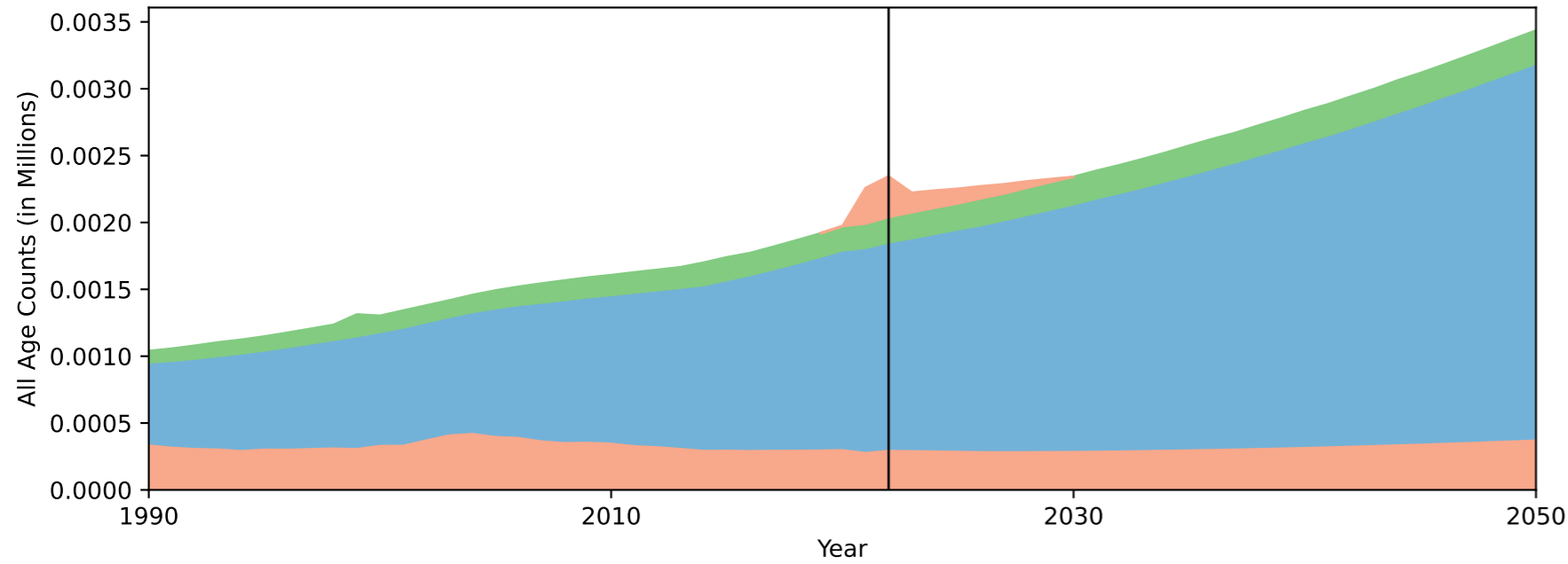
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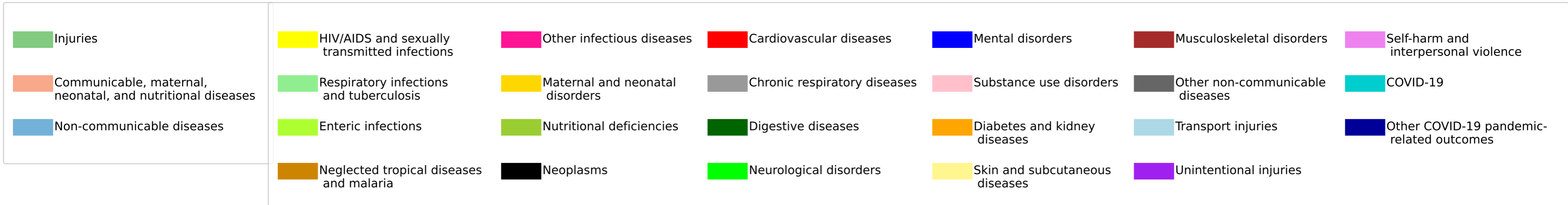
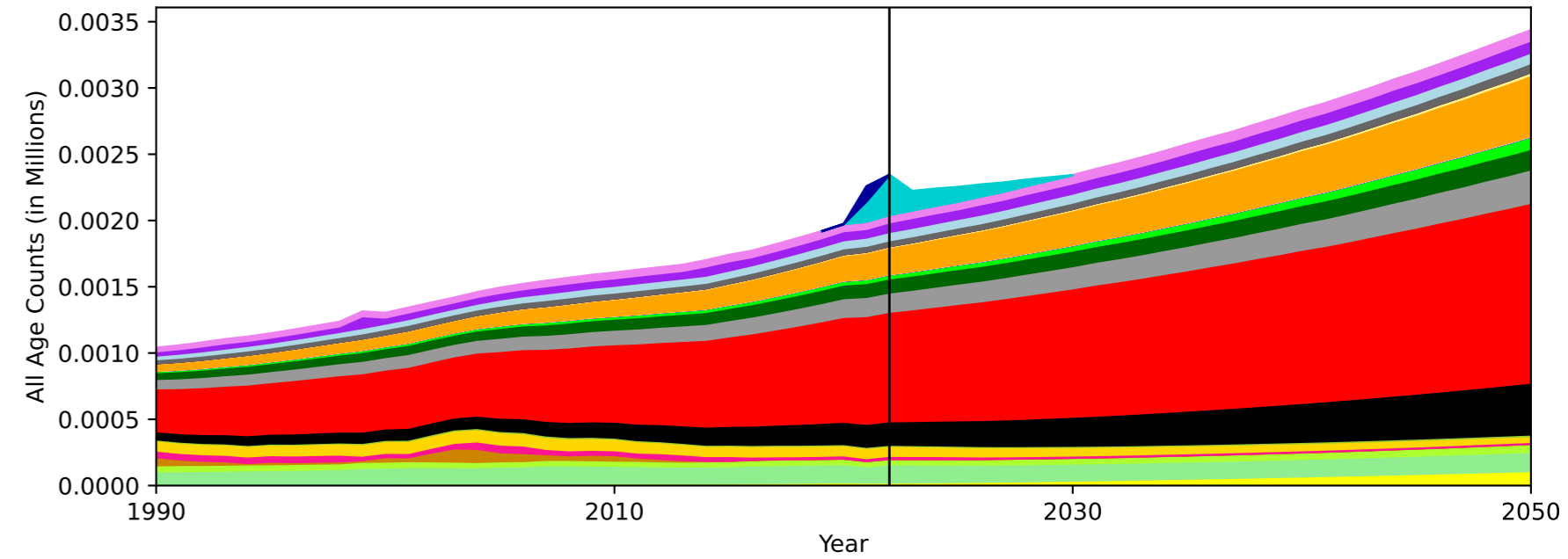
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Level 1

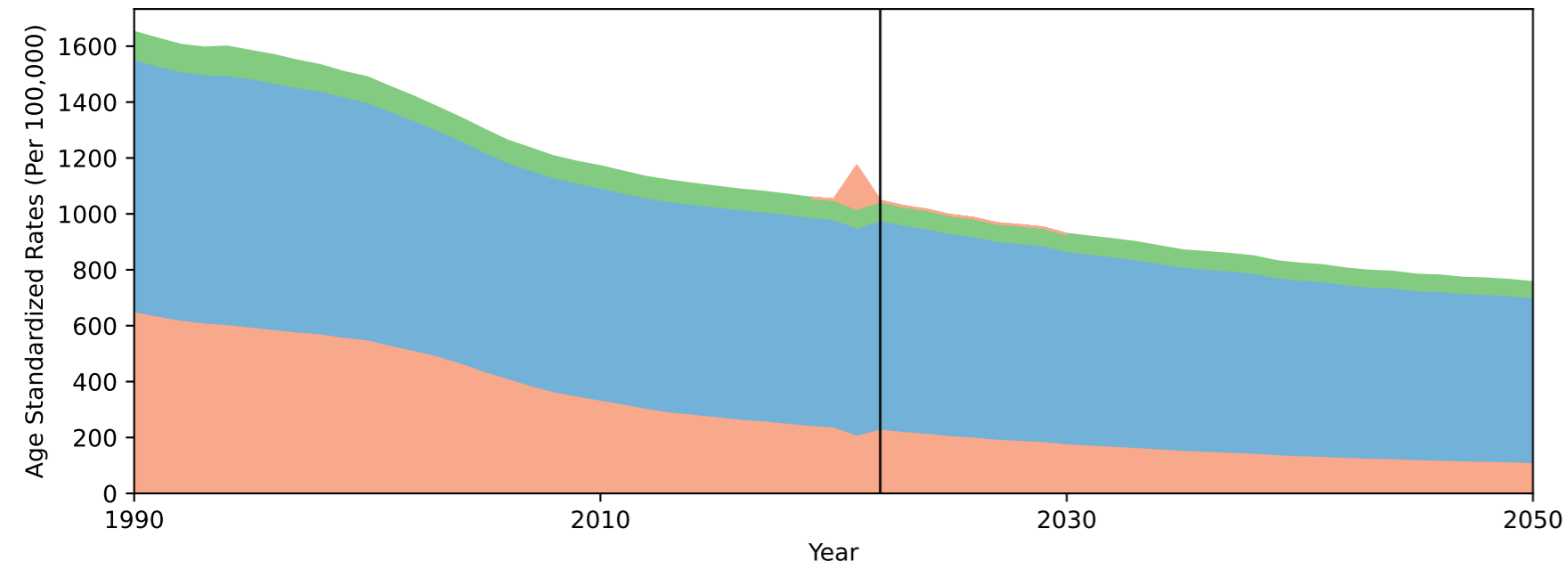


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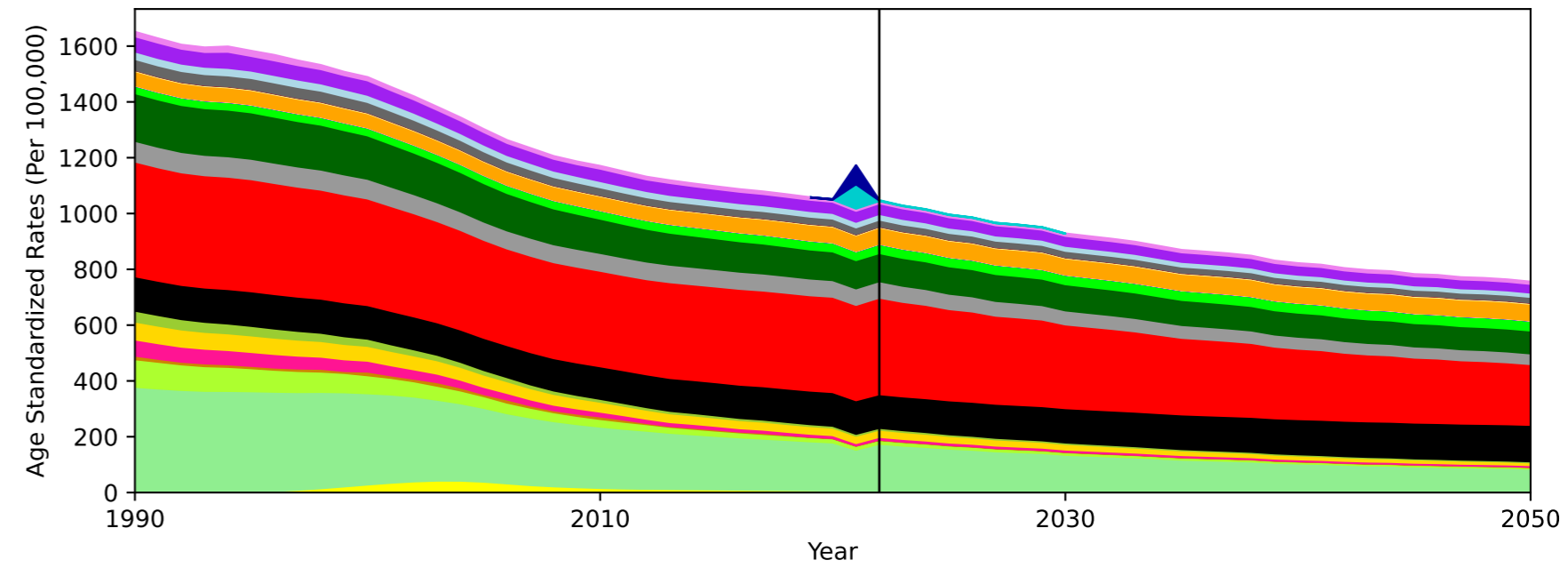


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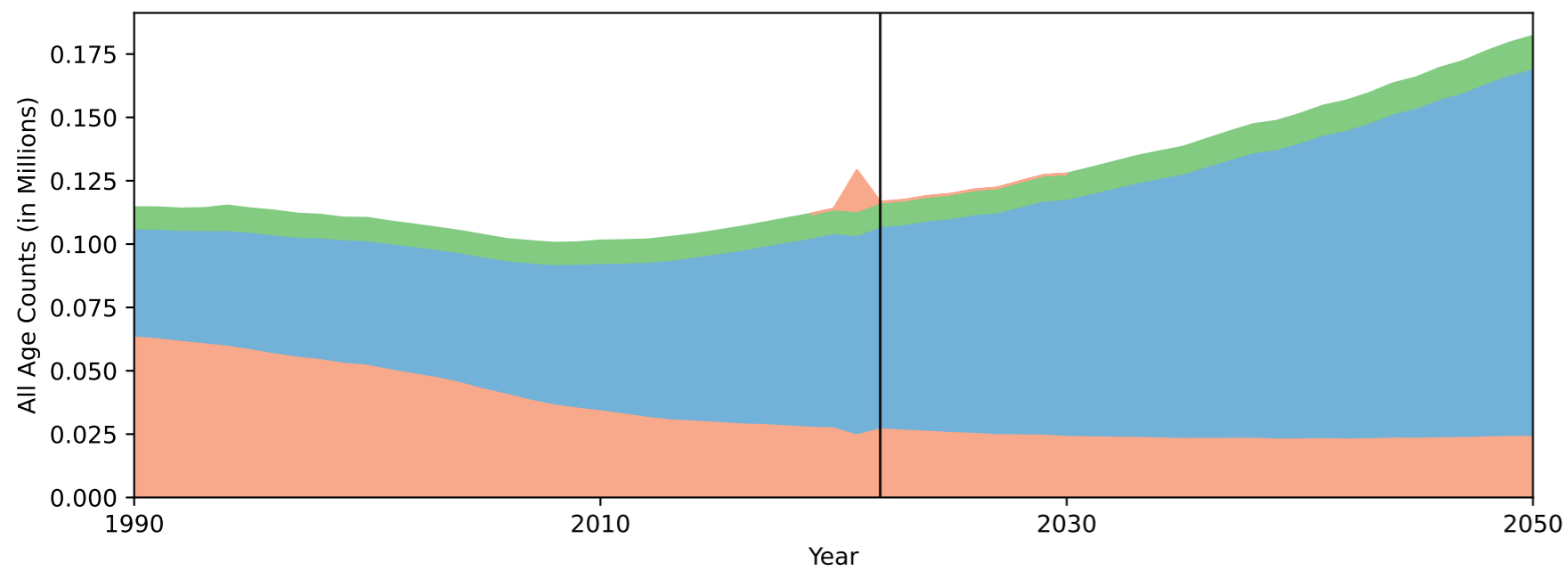
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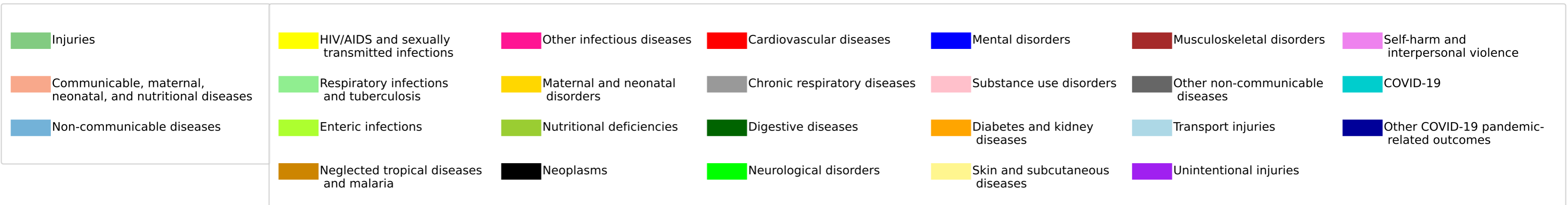
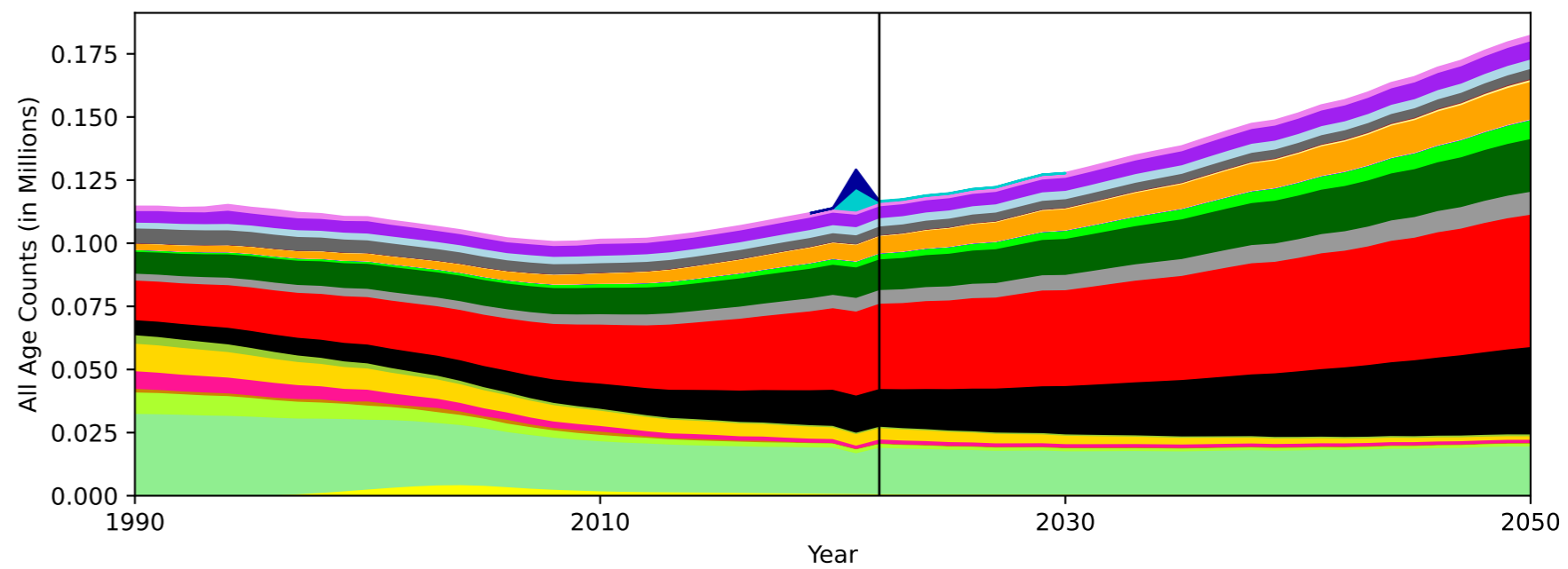
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Level 1



Level 2



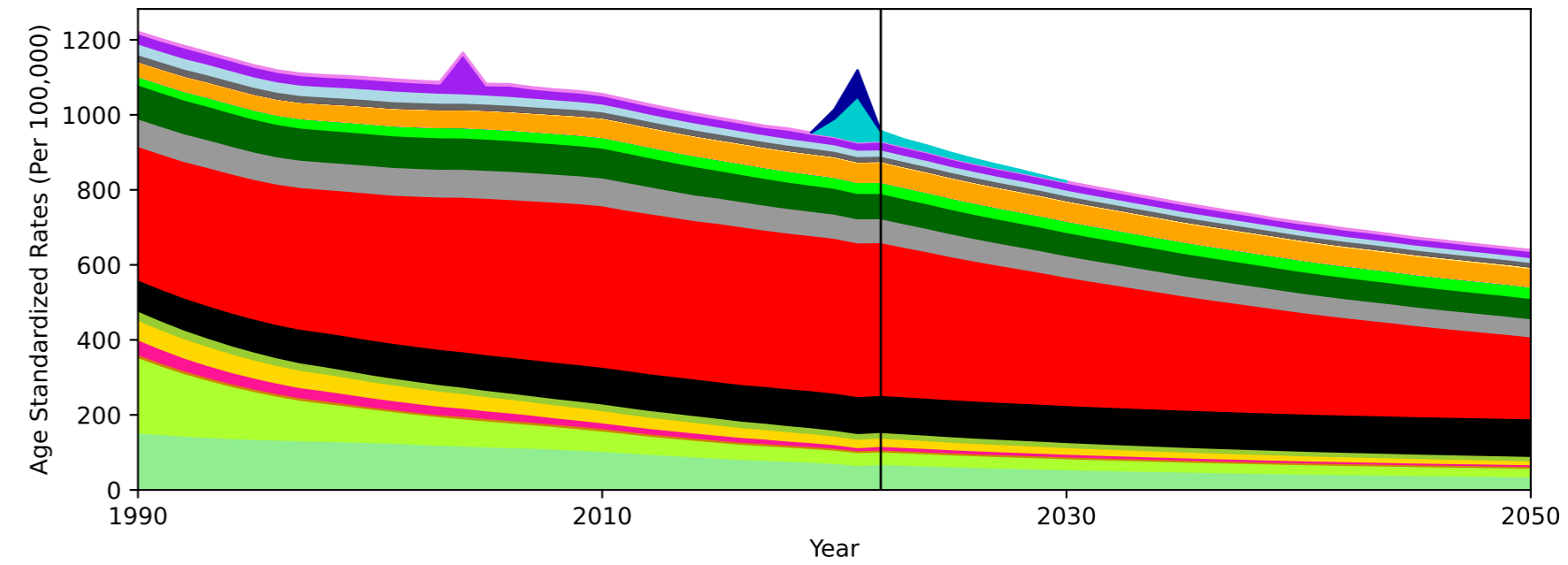


# Indonesia

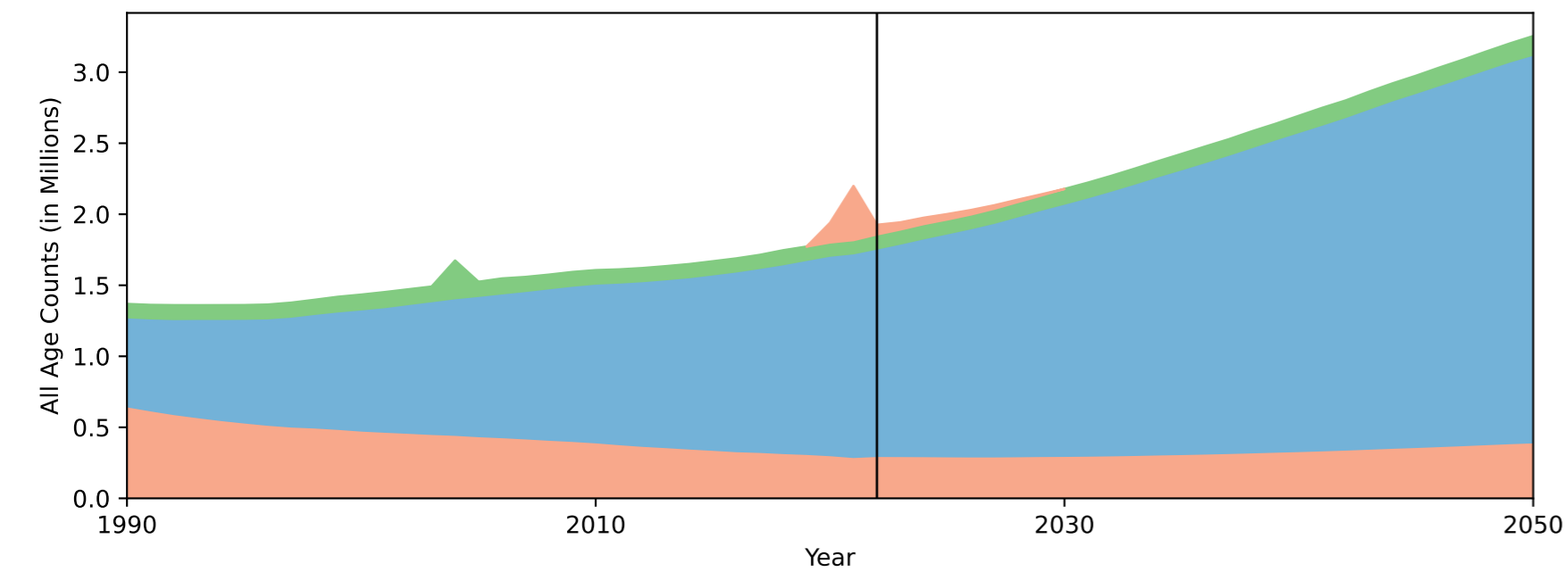
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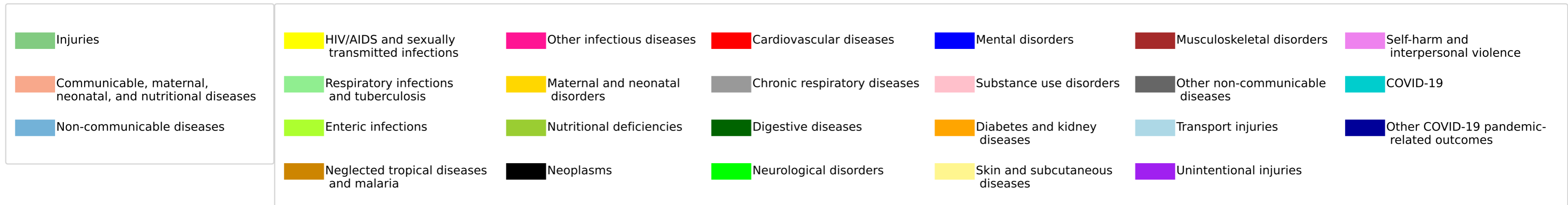
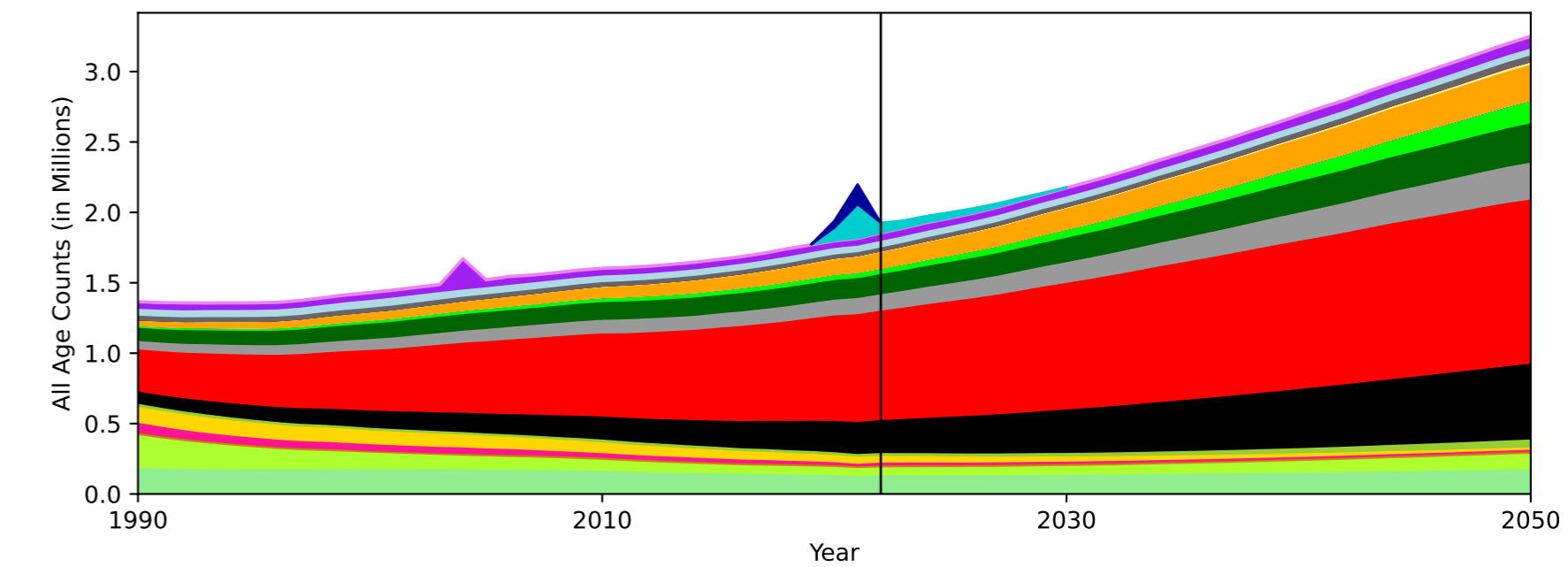
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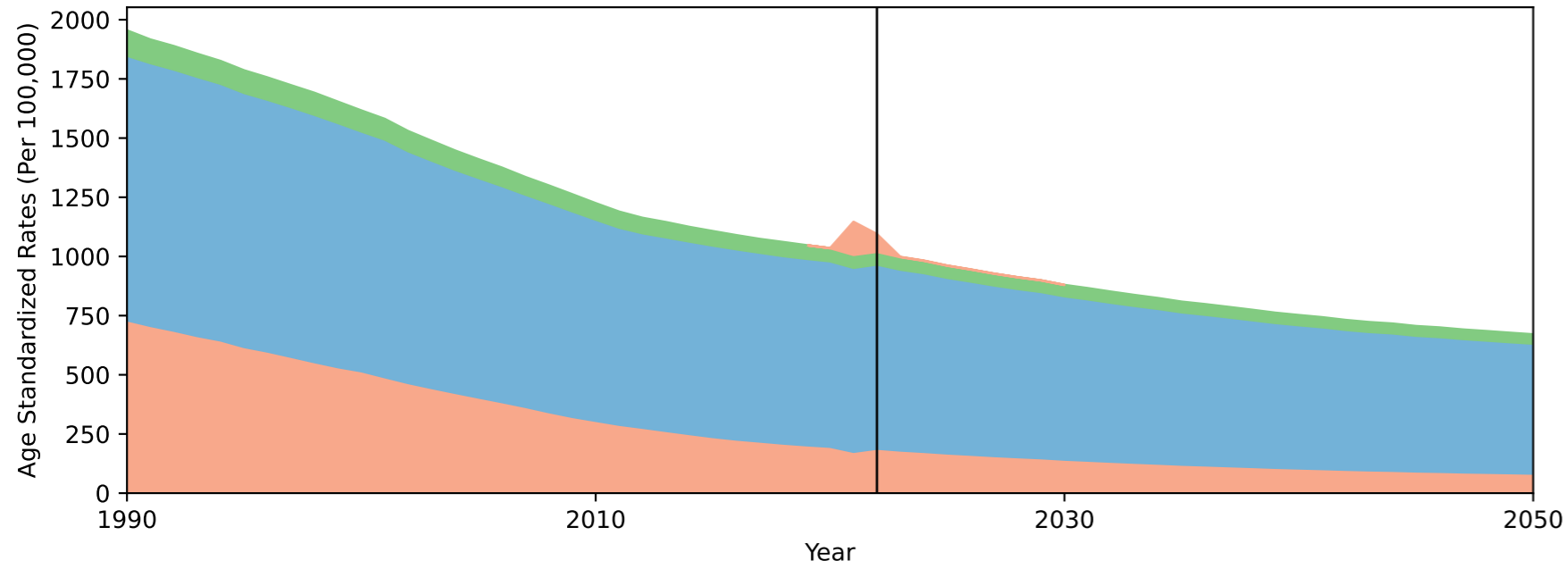
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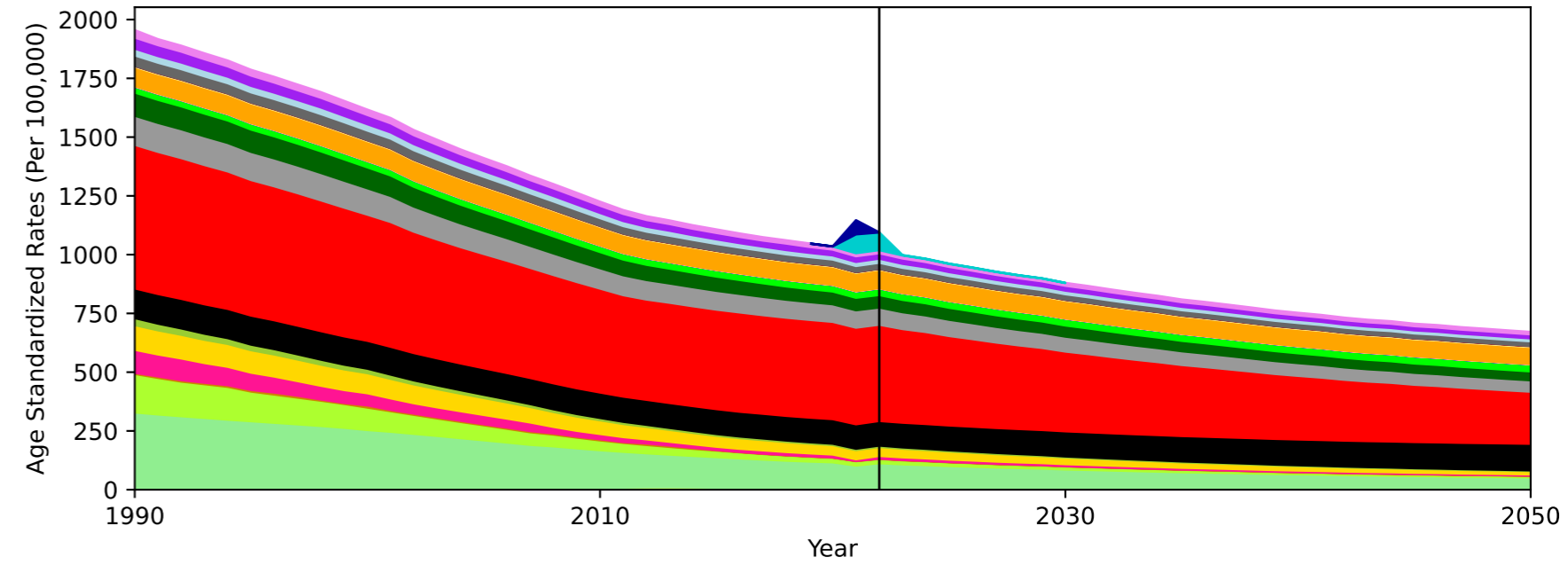
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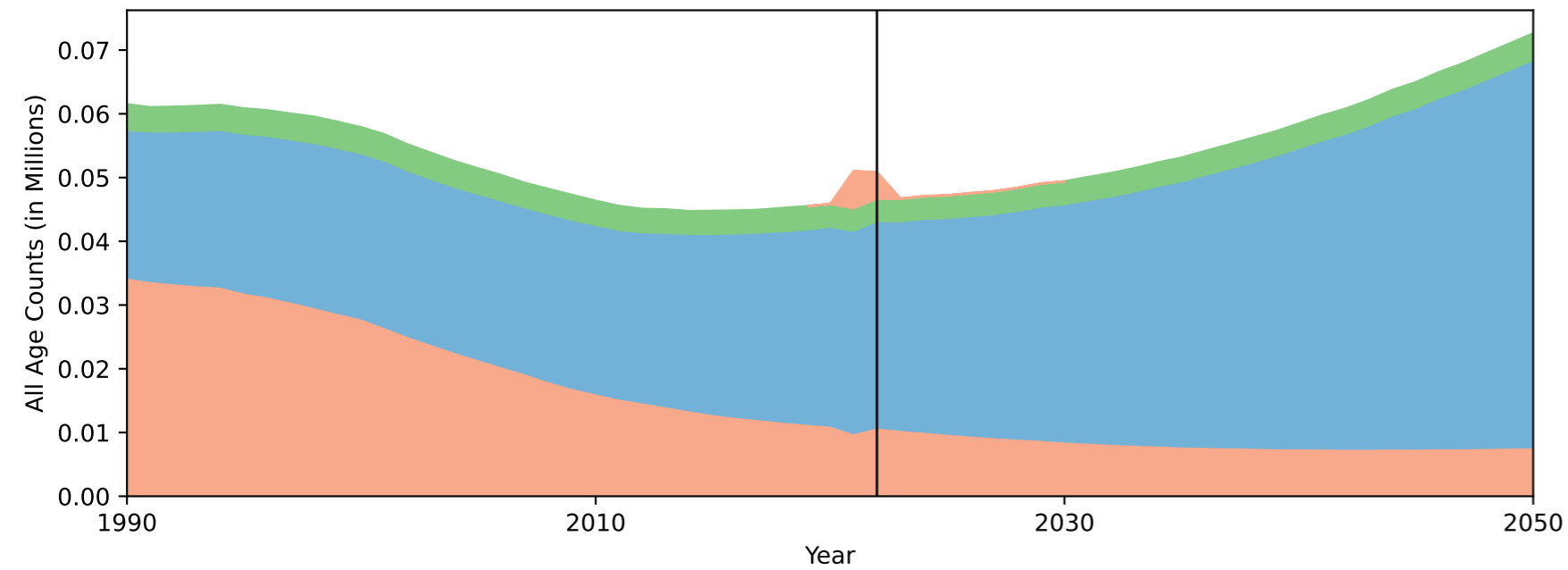
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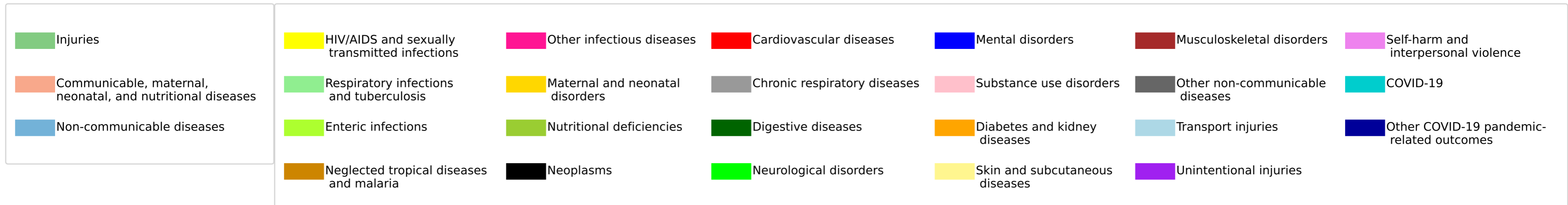
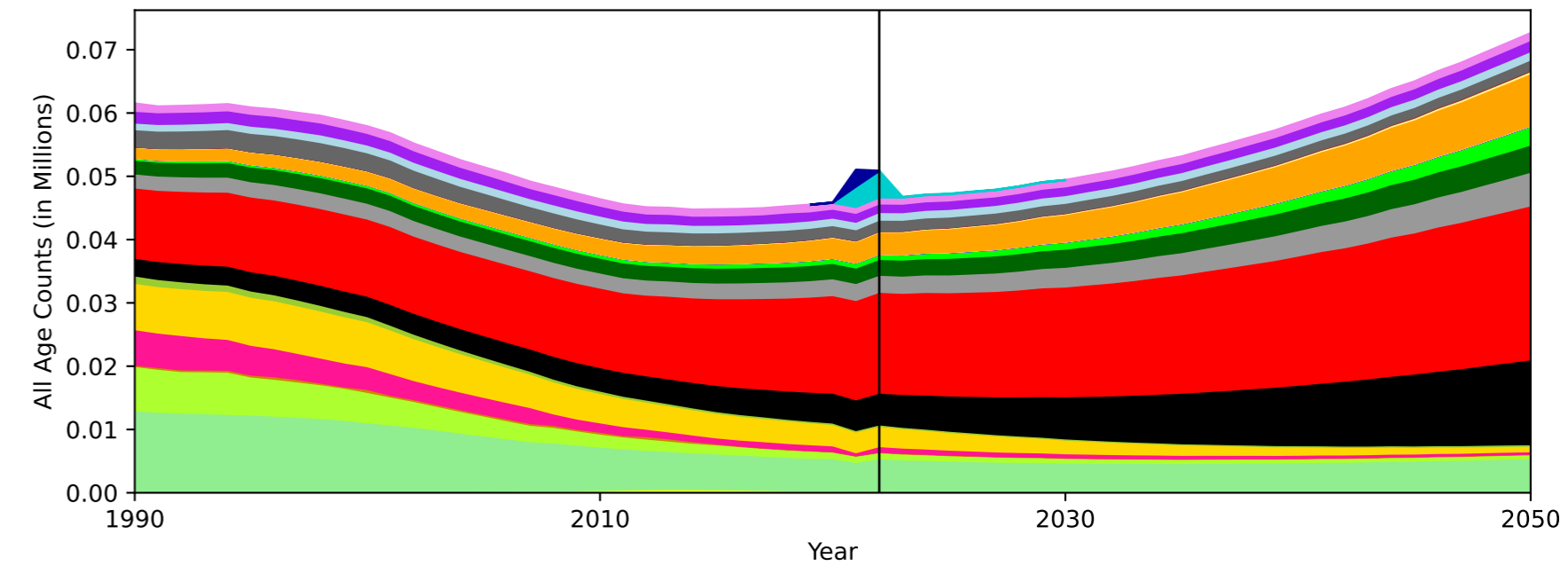
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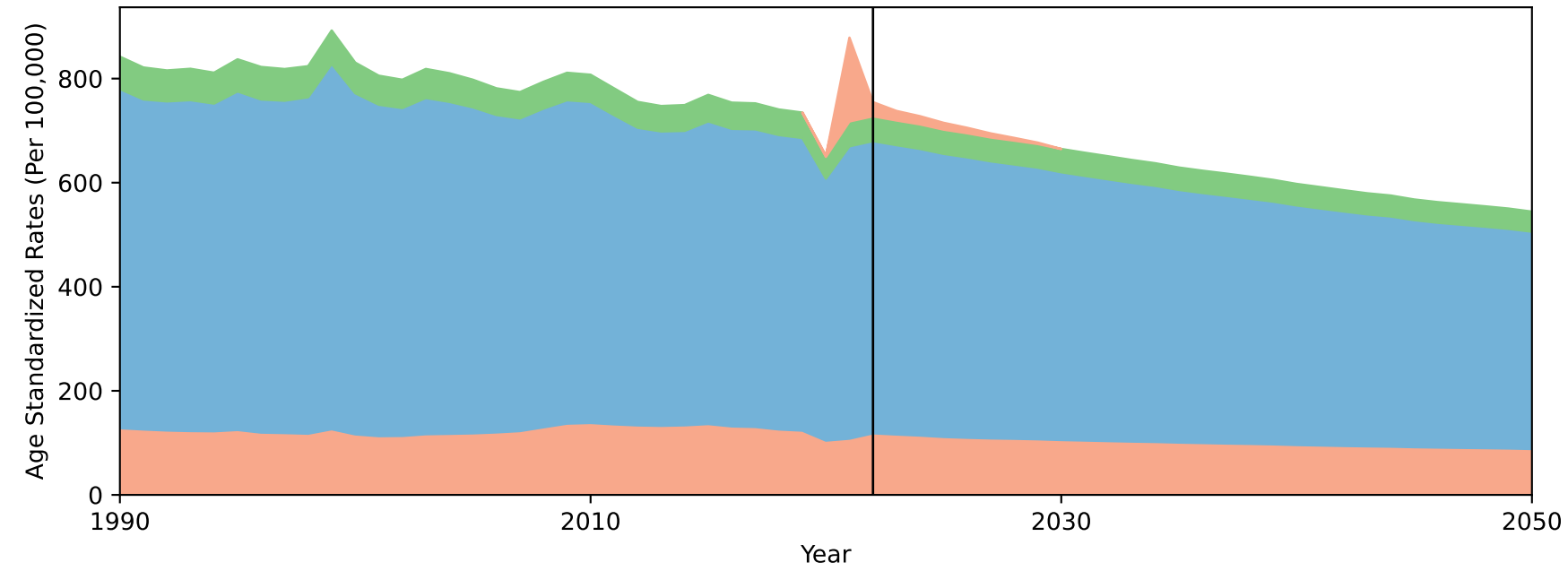
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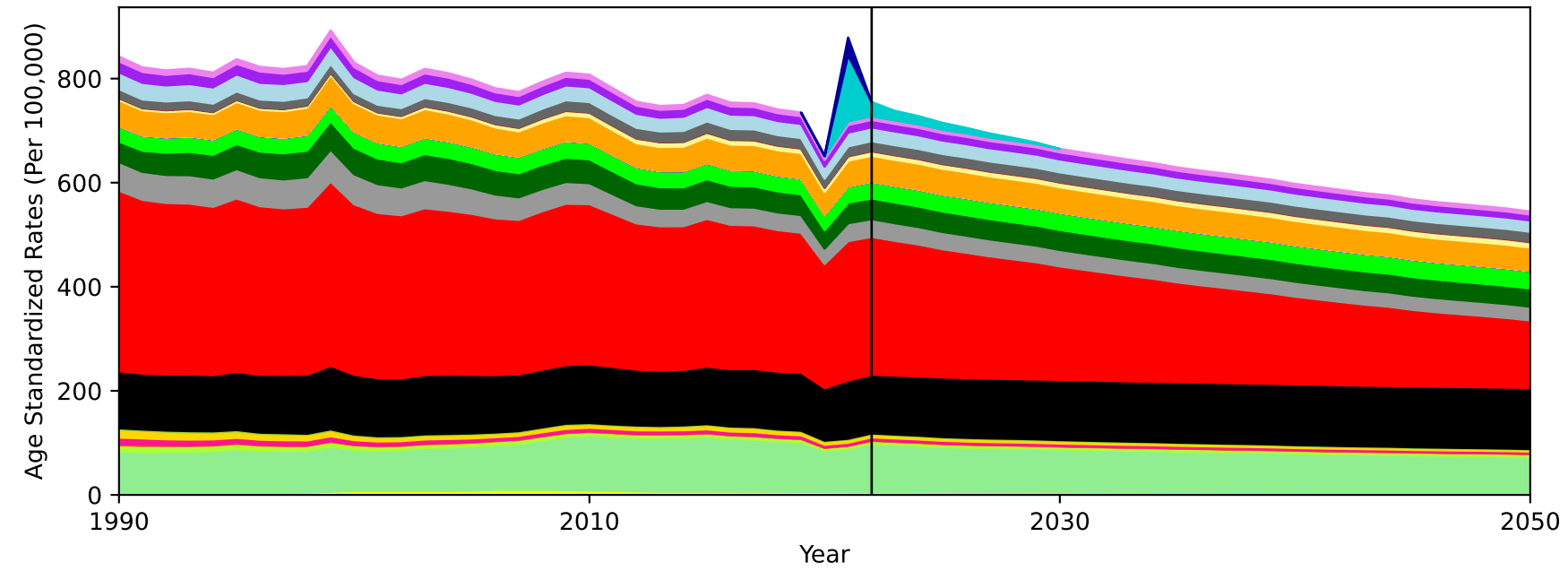
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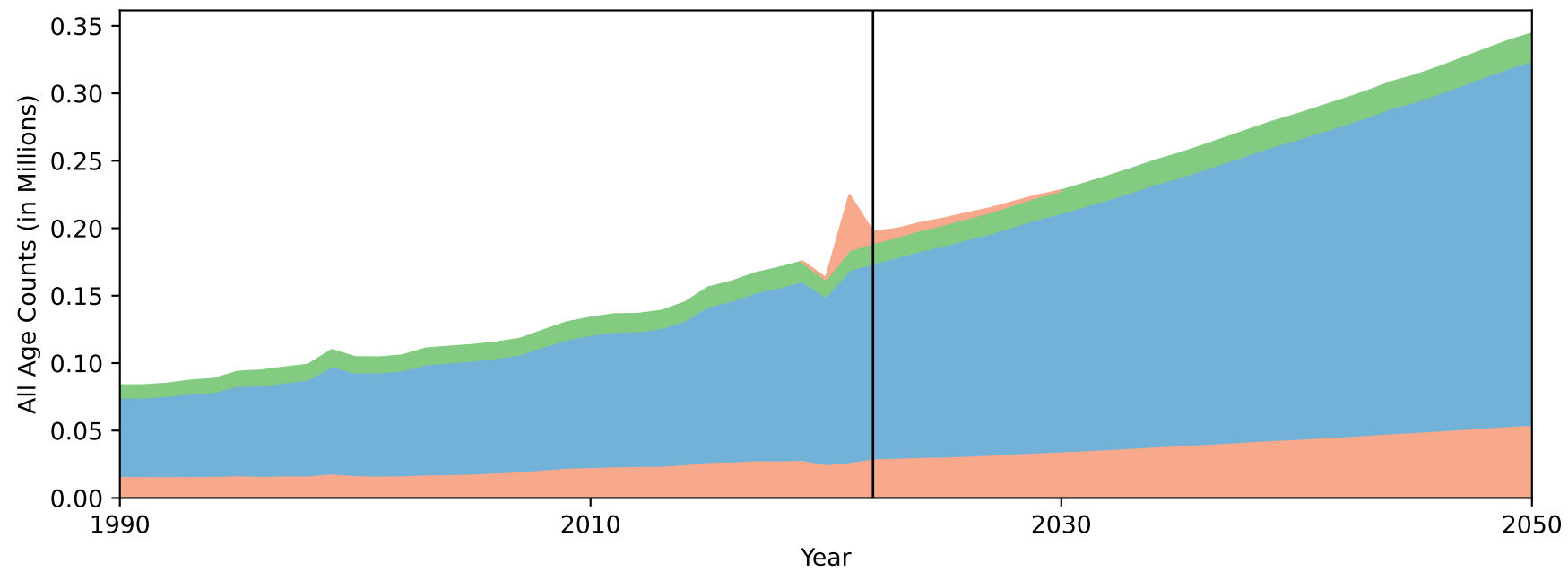
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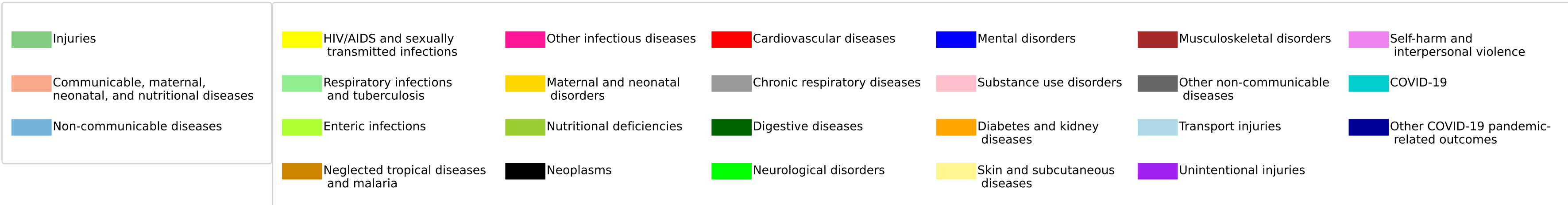
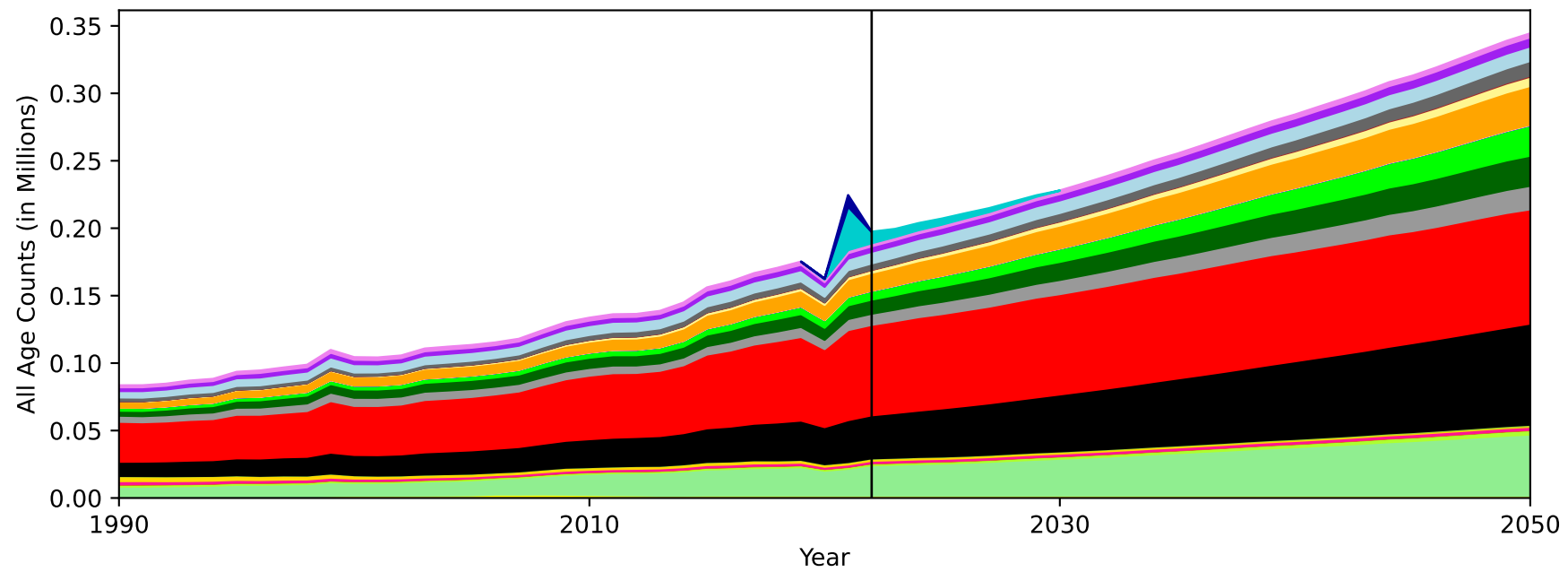
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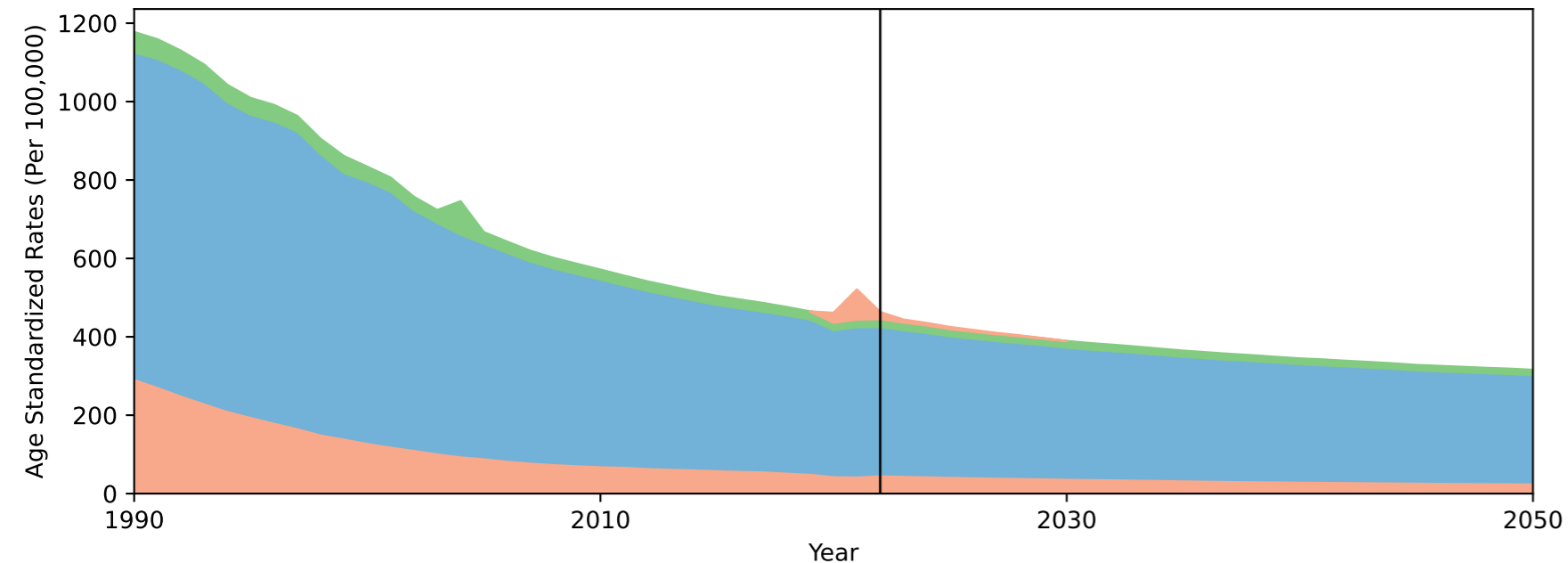


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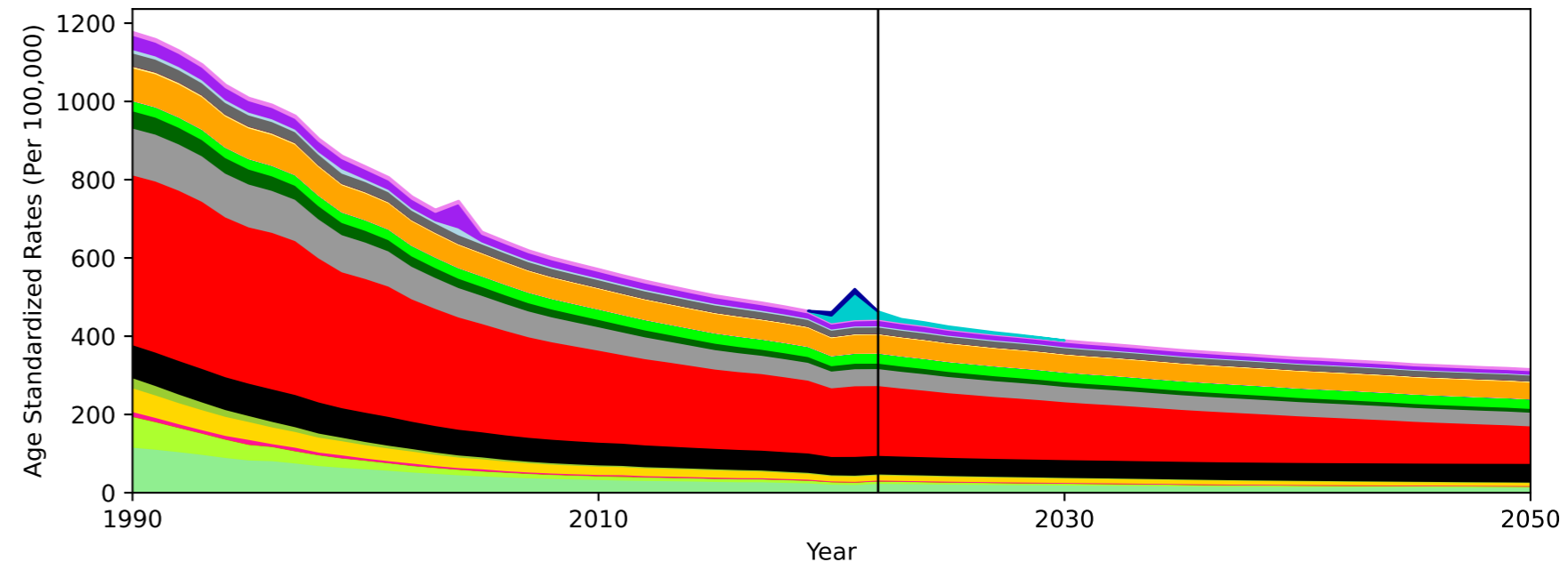


# Maldives

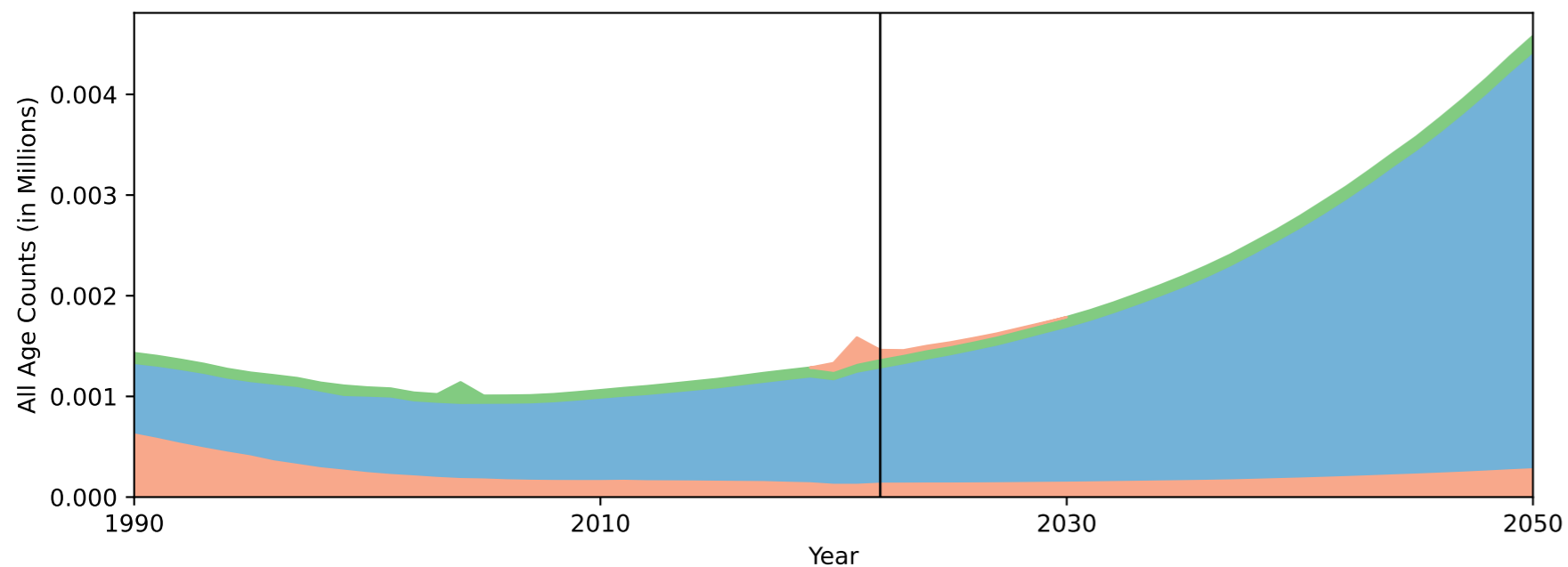
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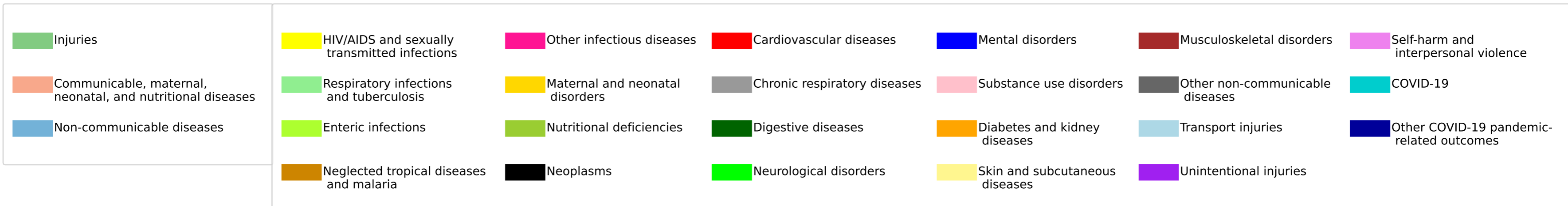
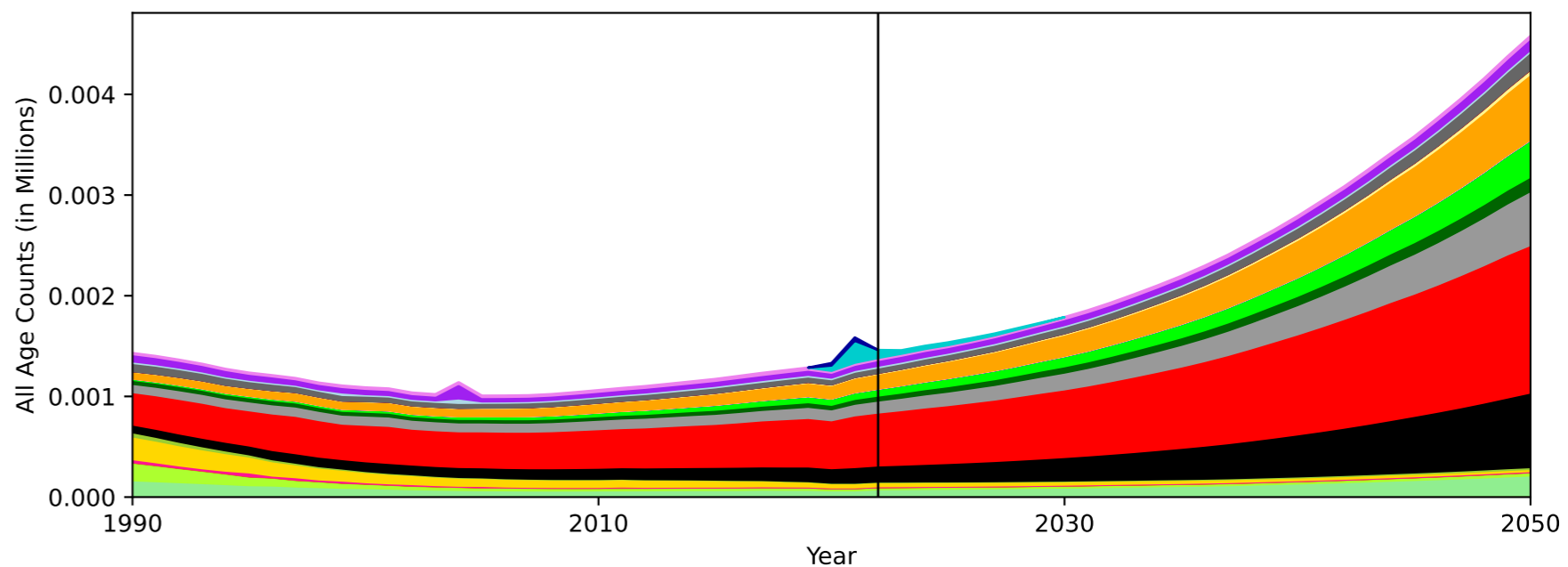
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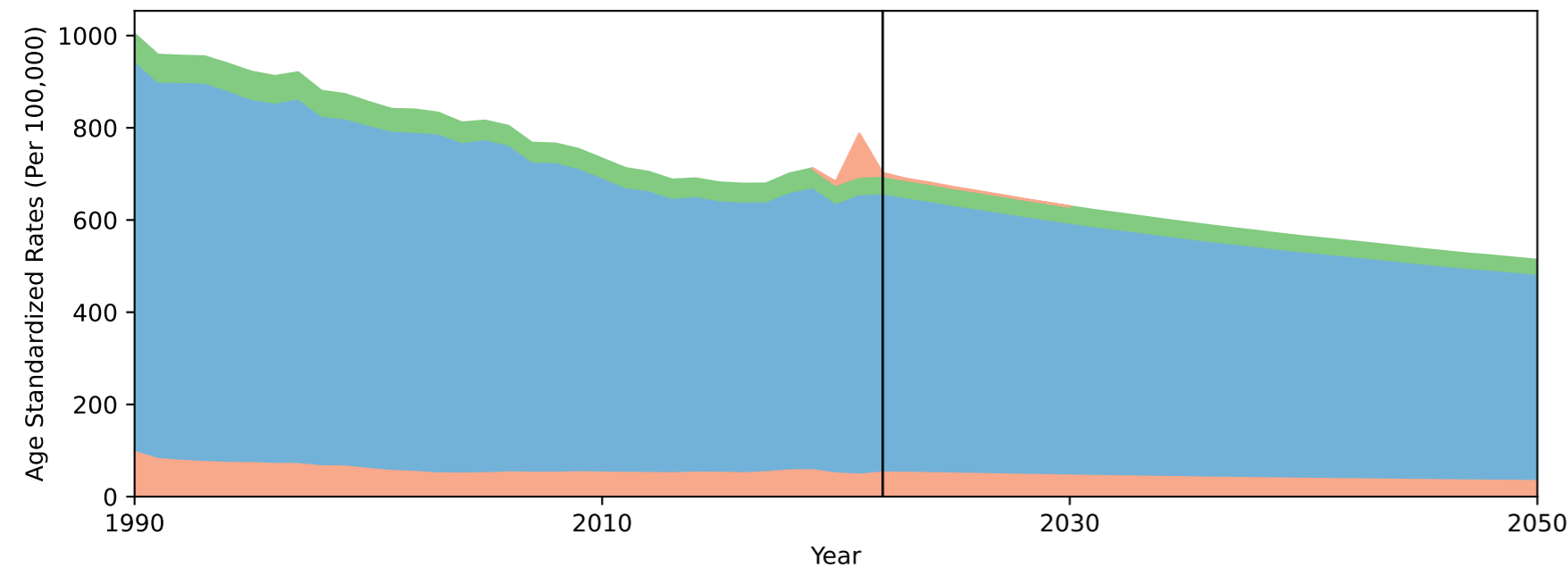


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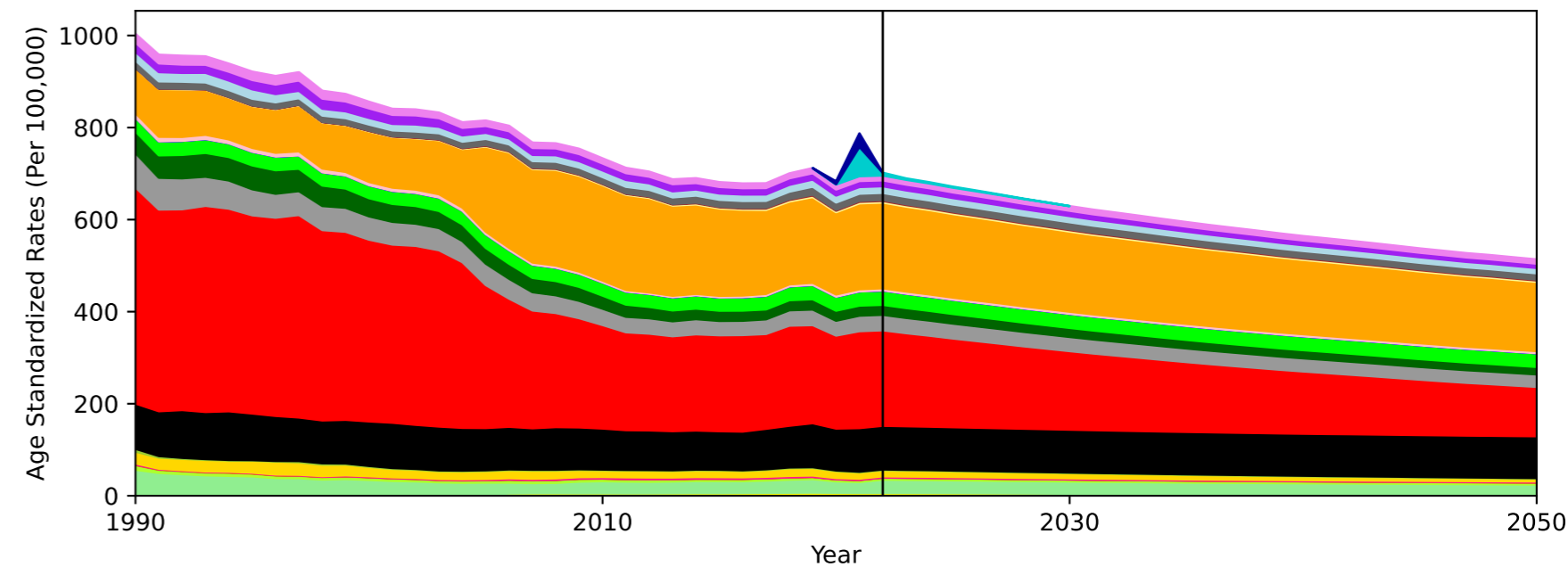


# Mauritius

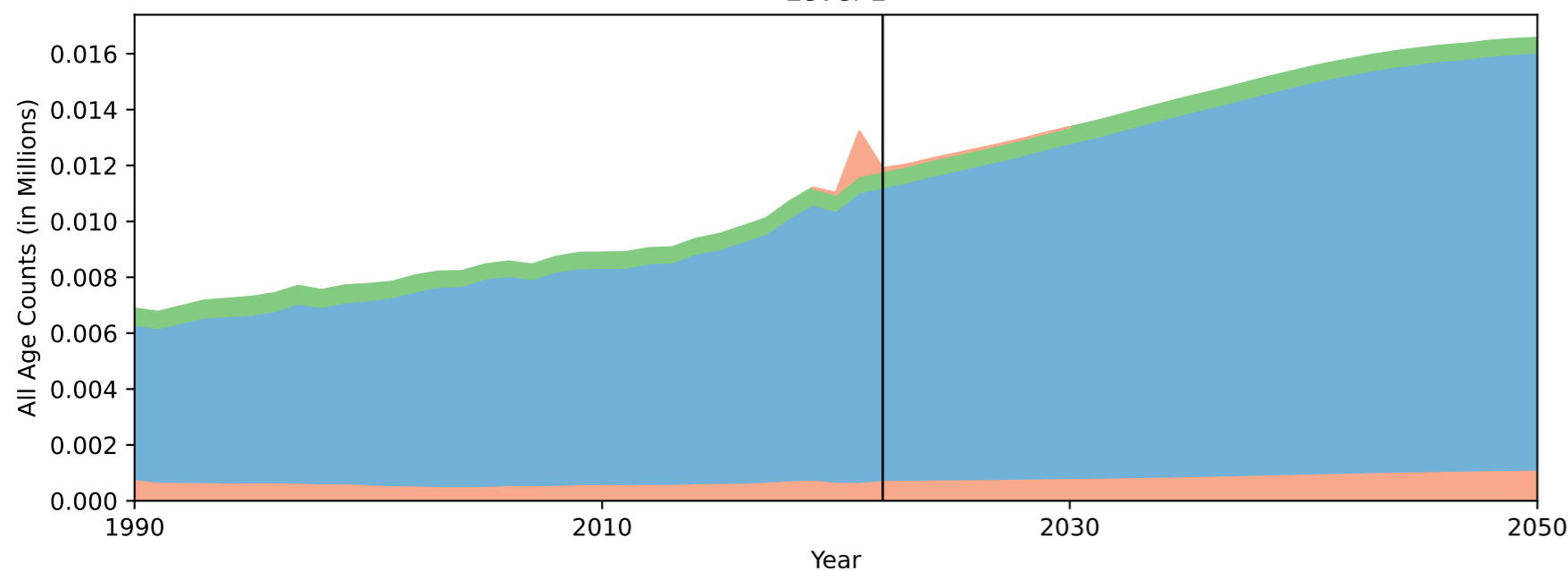
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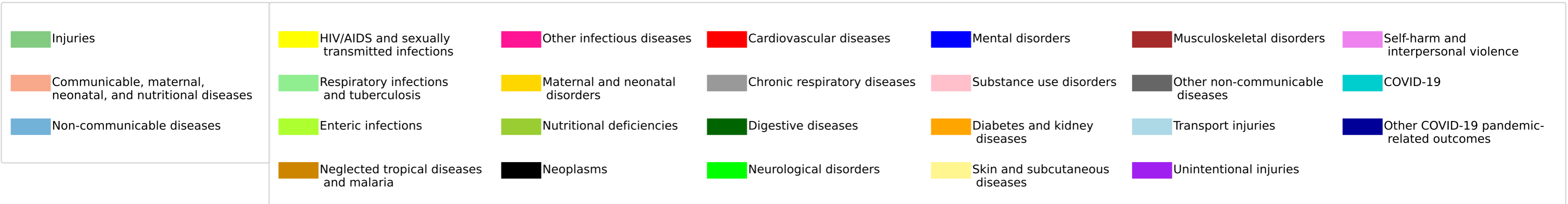
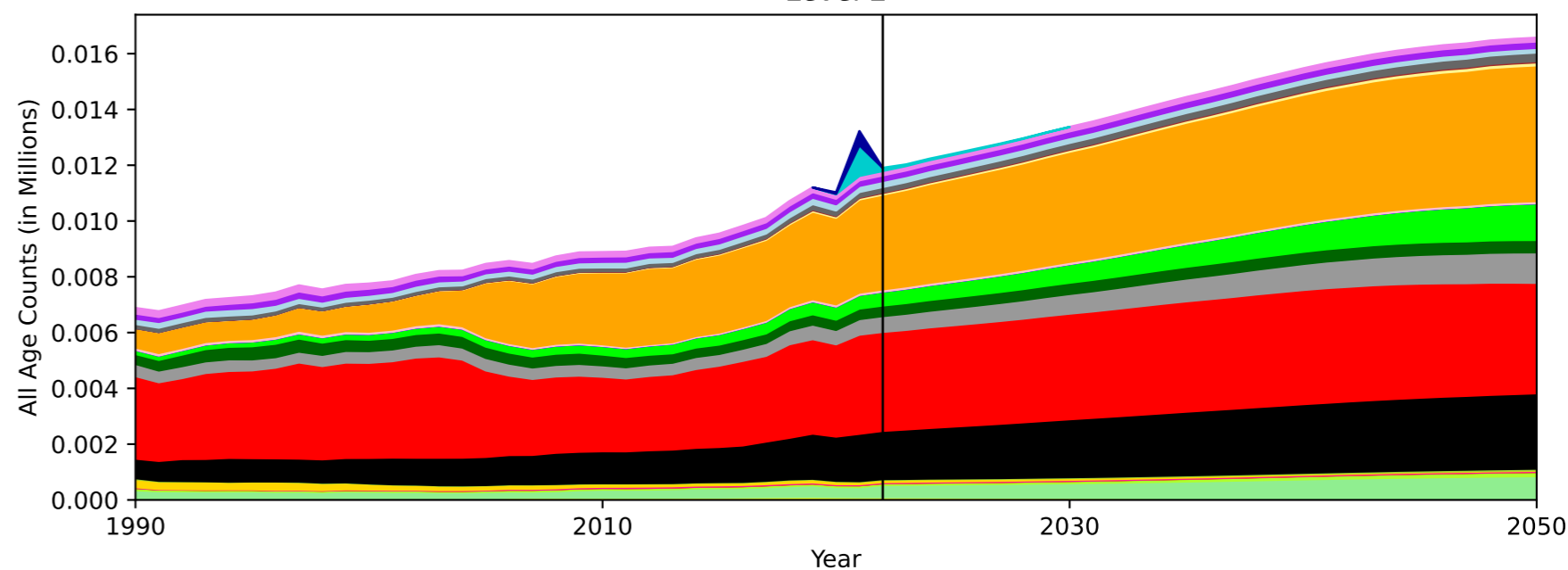
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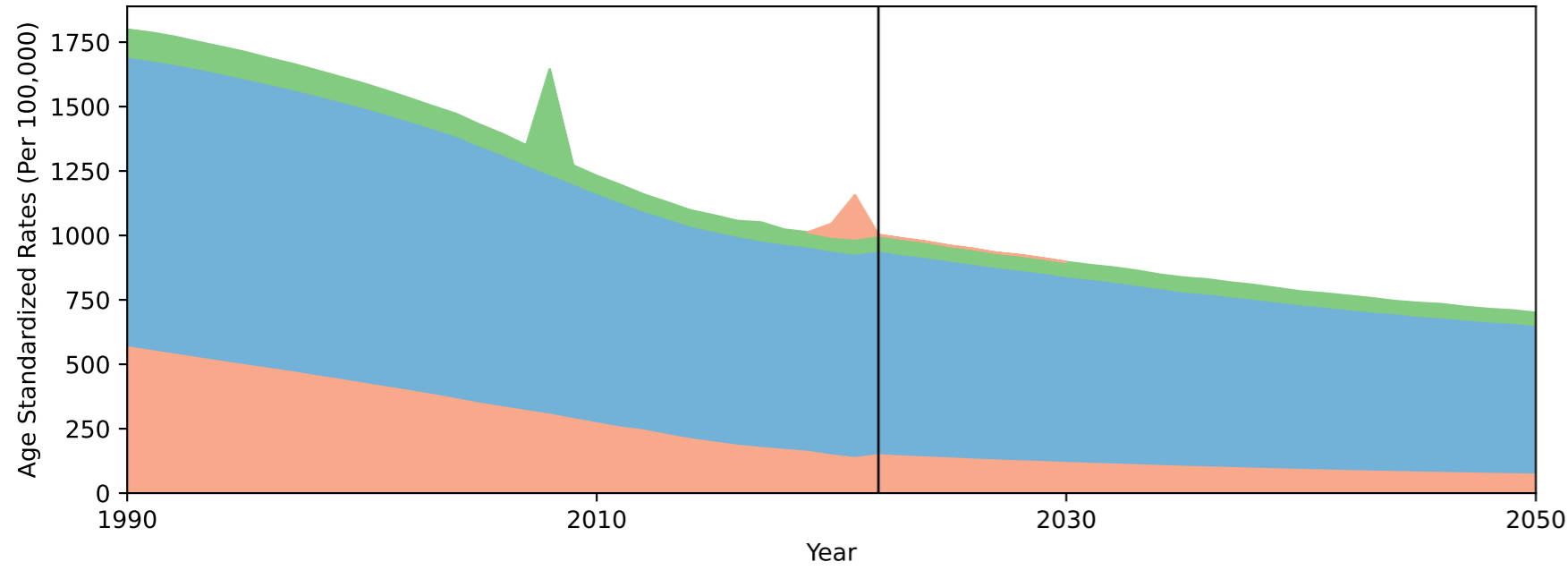


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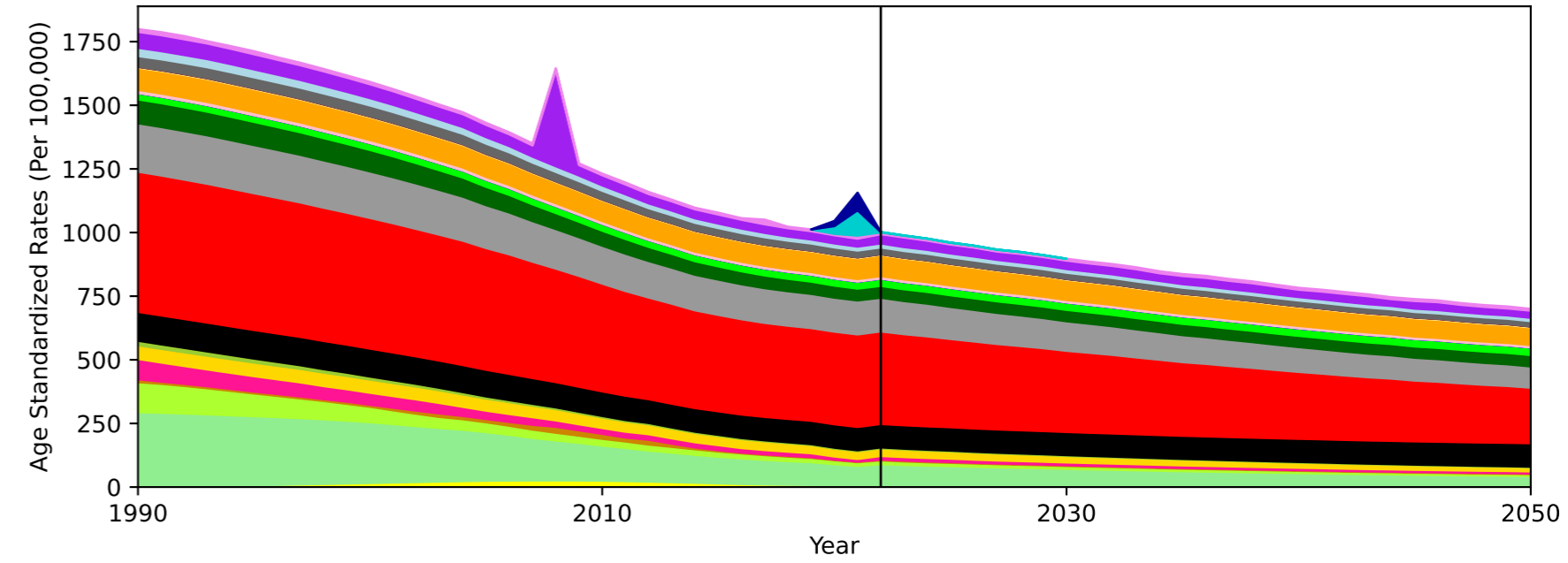


# Myanmar

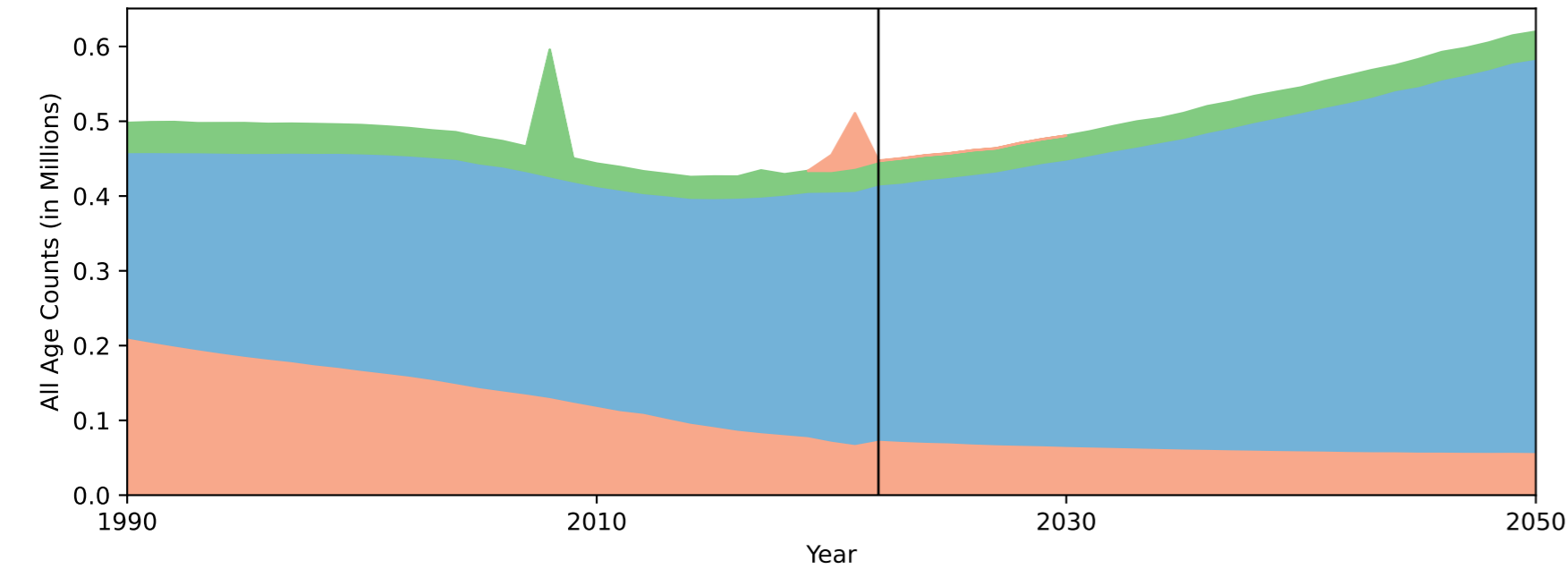
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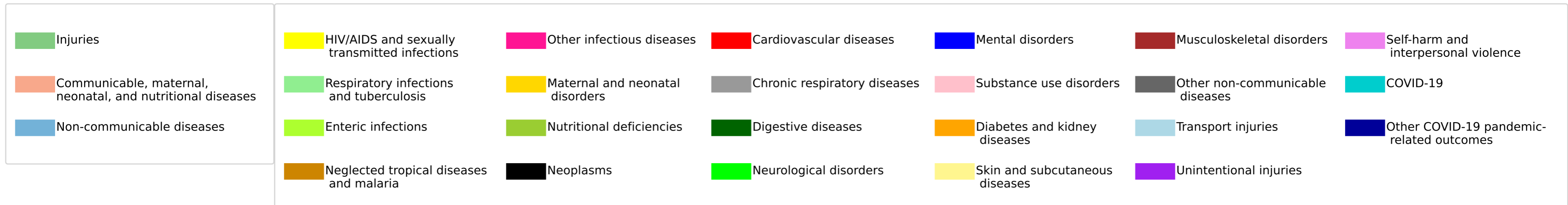
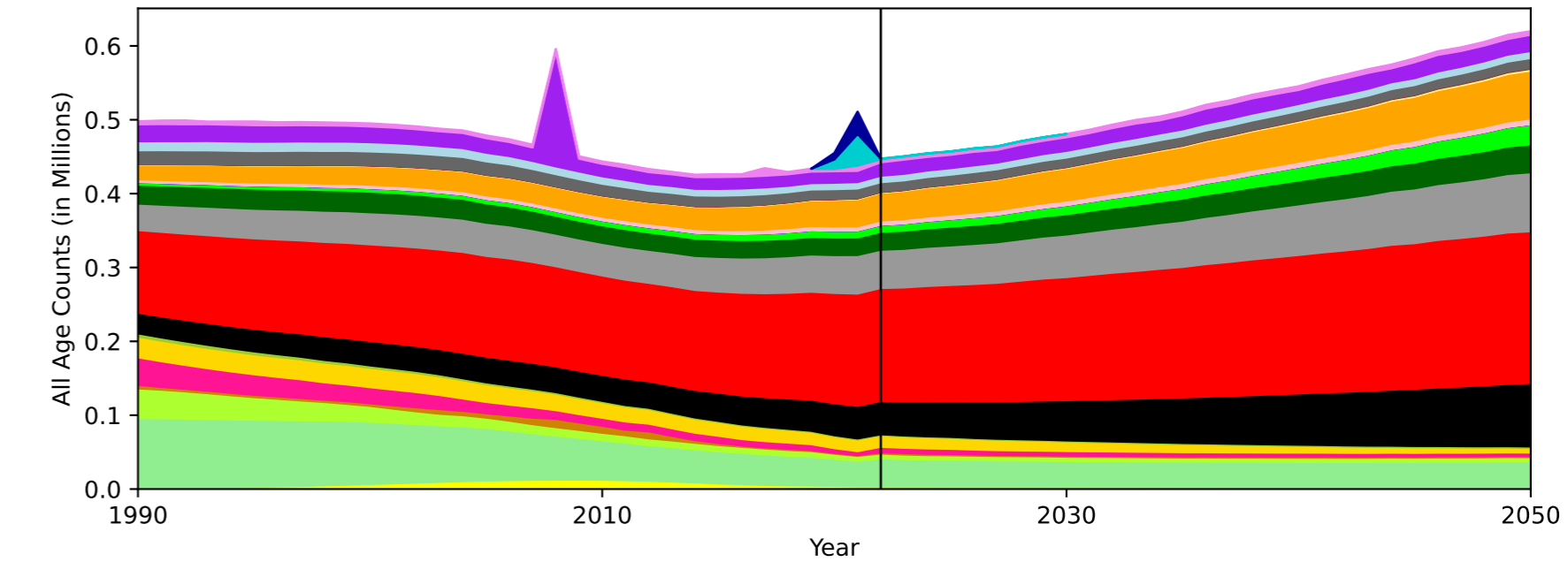
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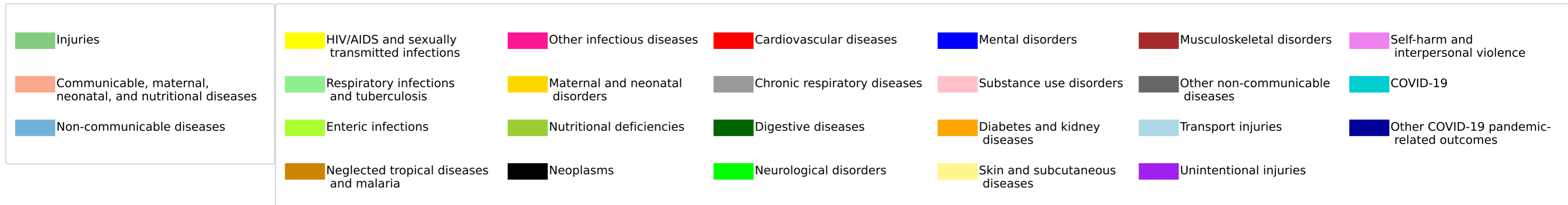
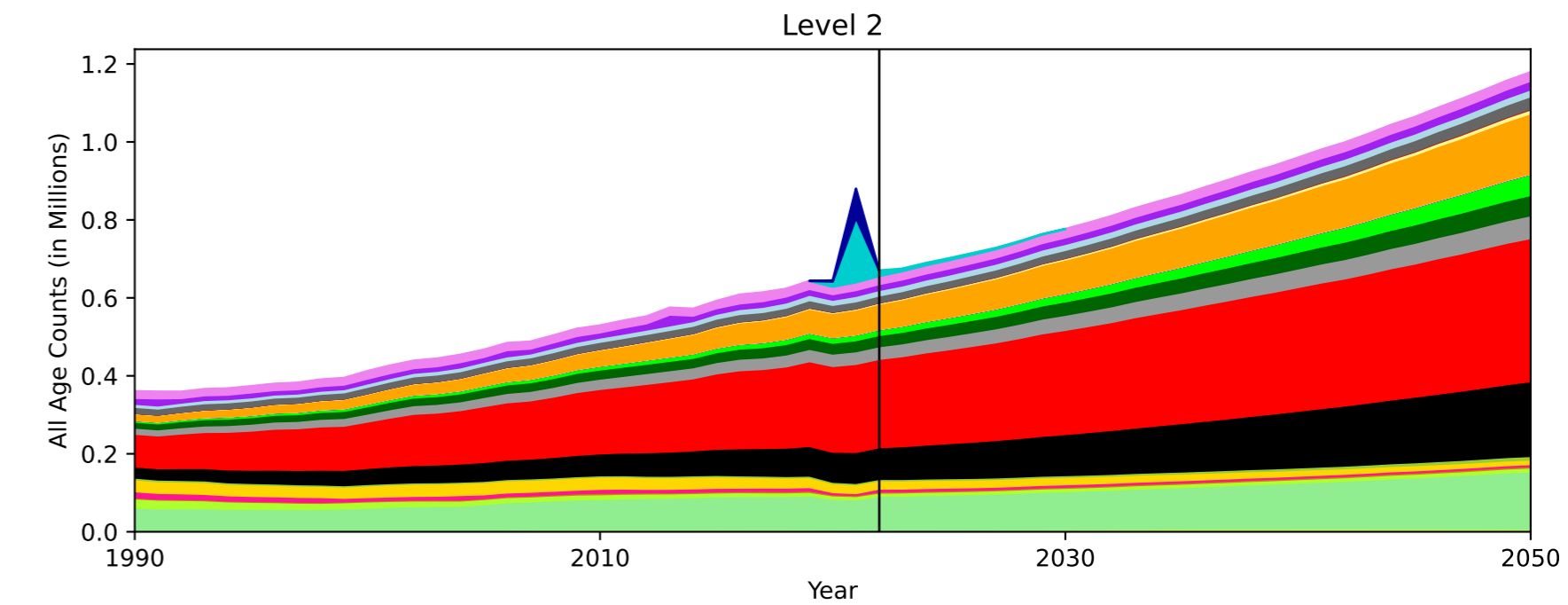
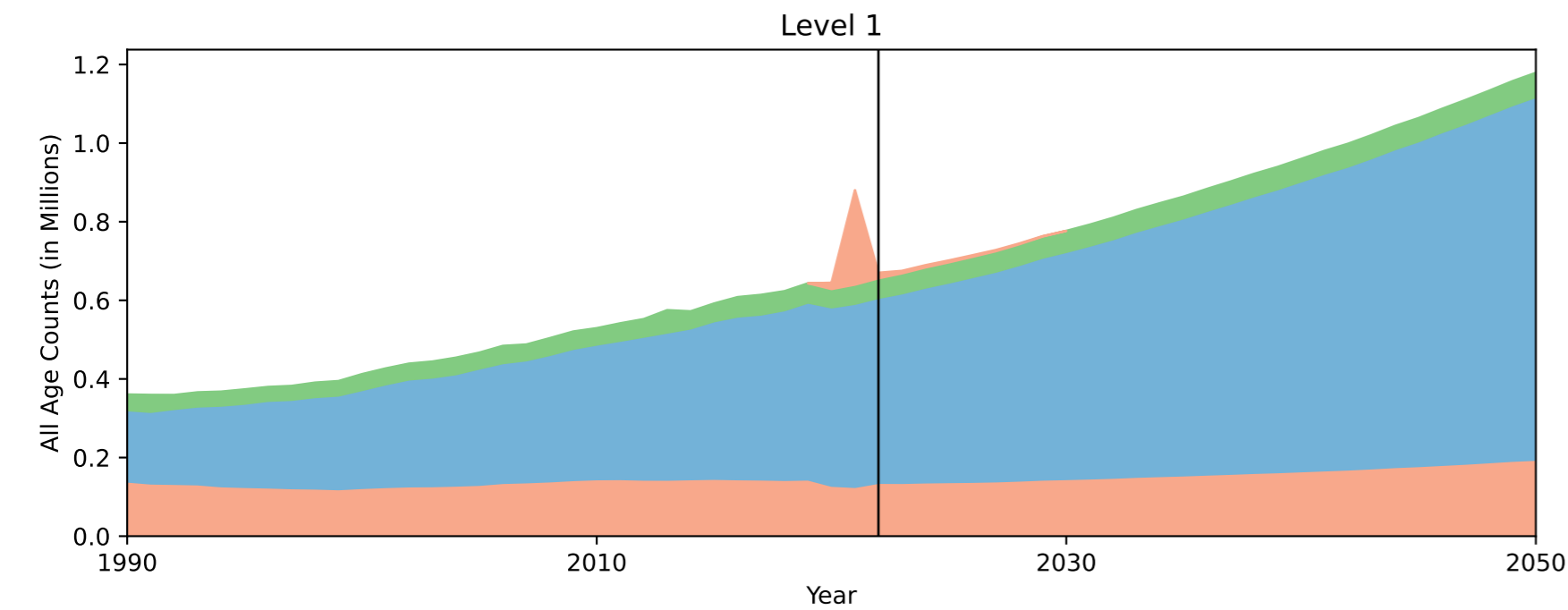
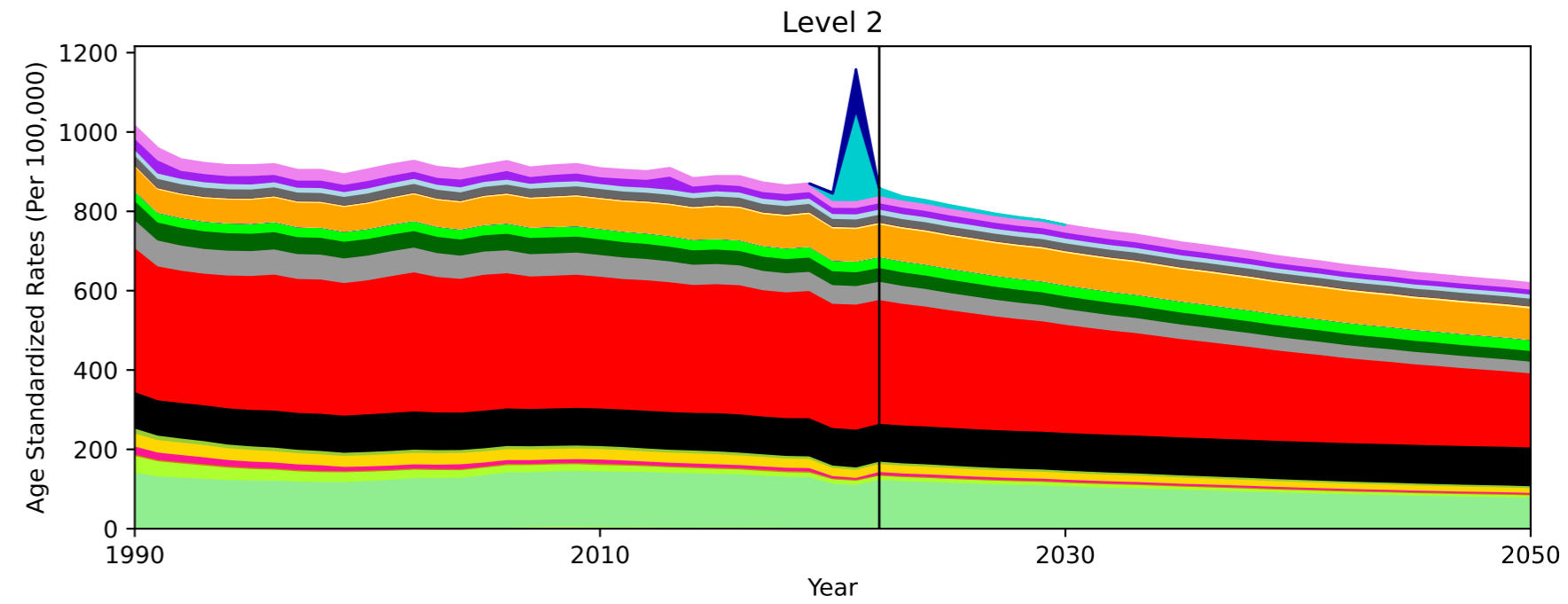
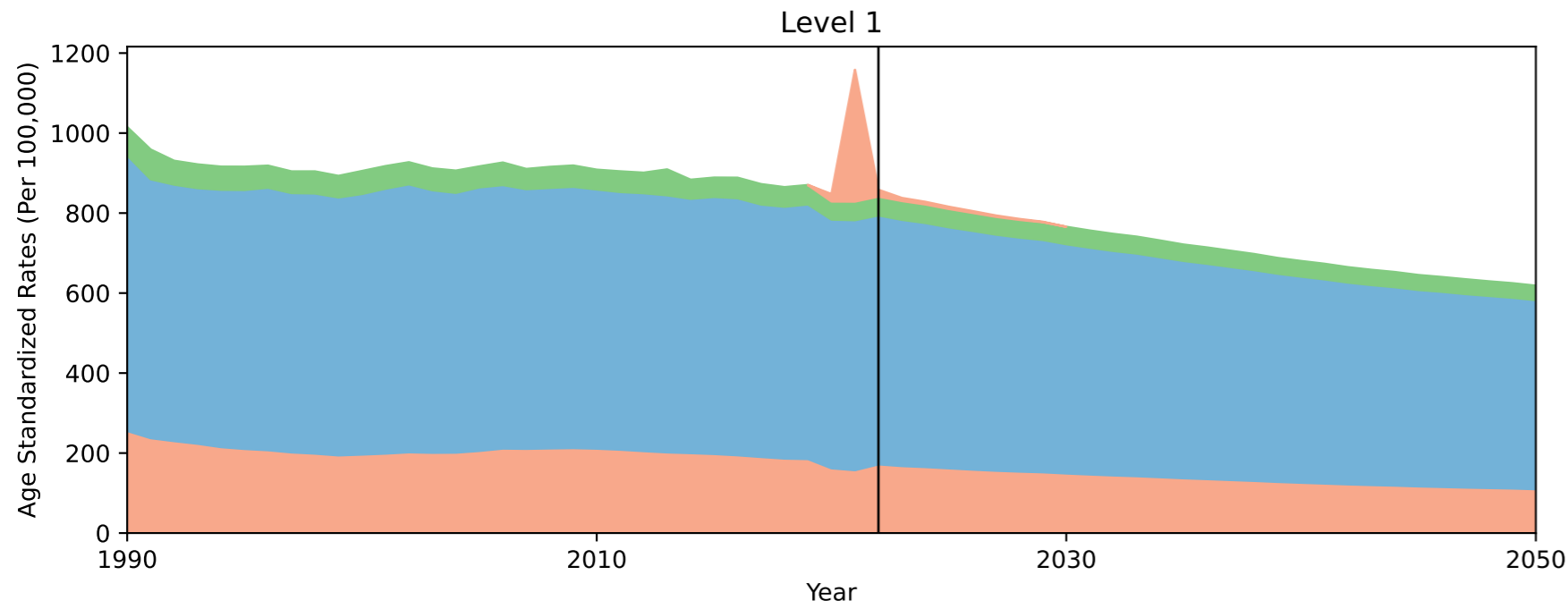
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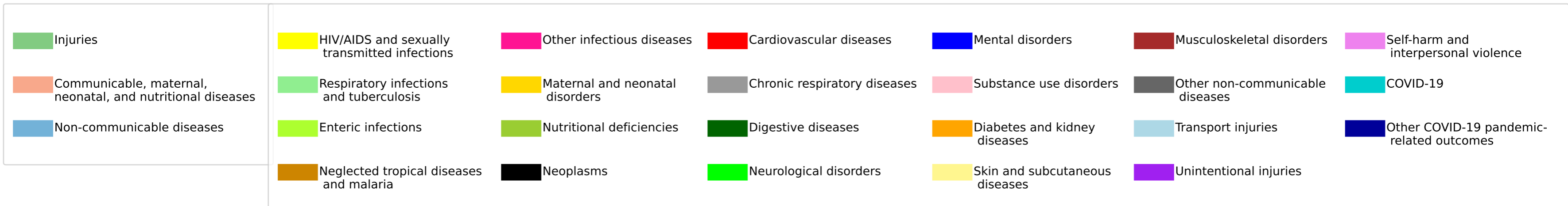
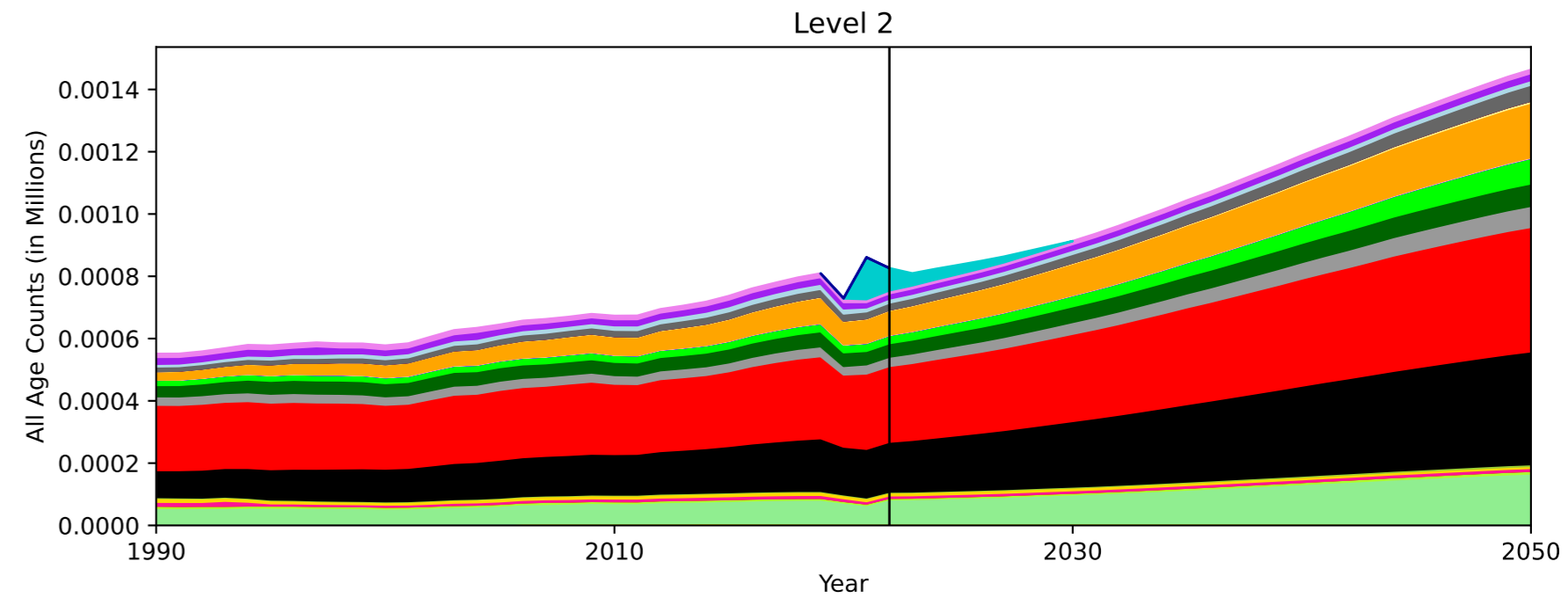
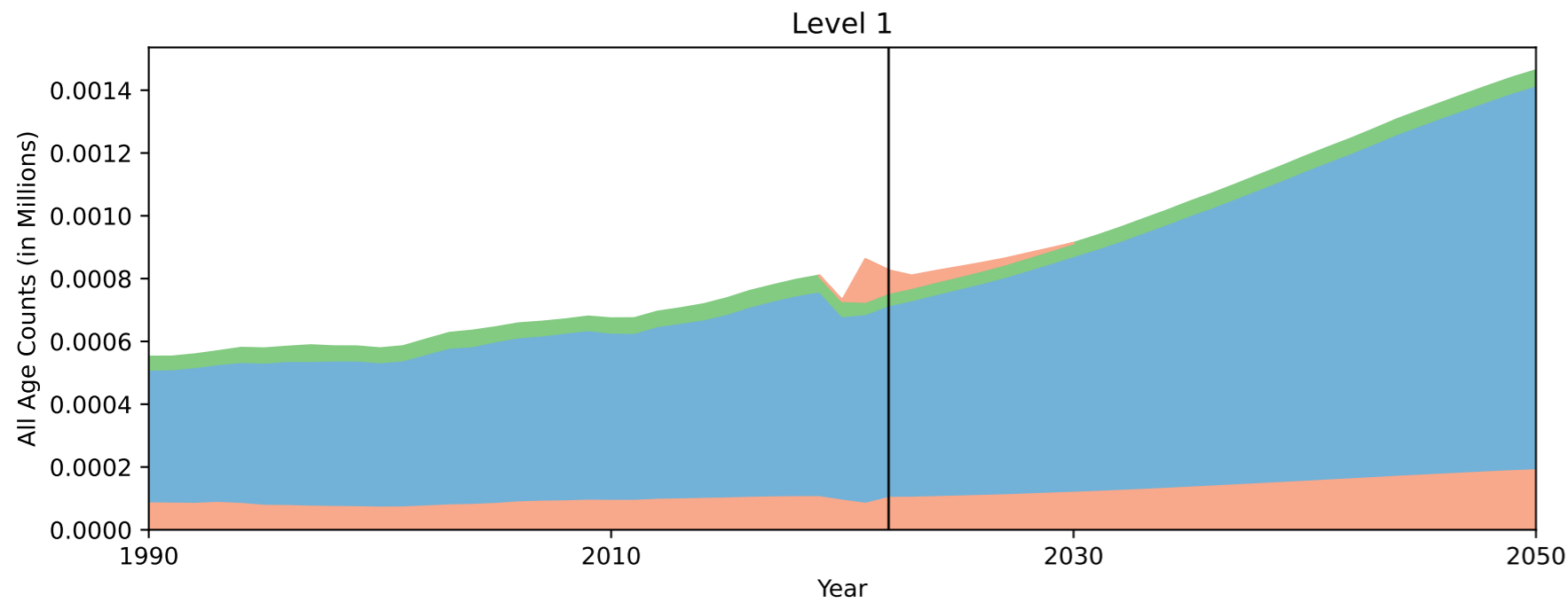
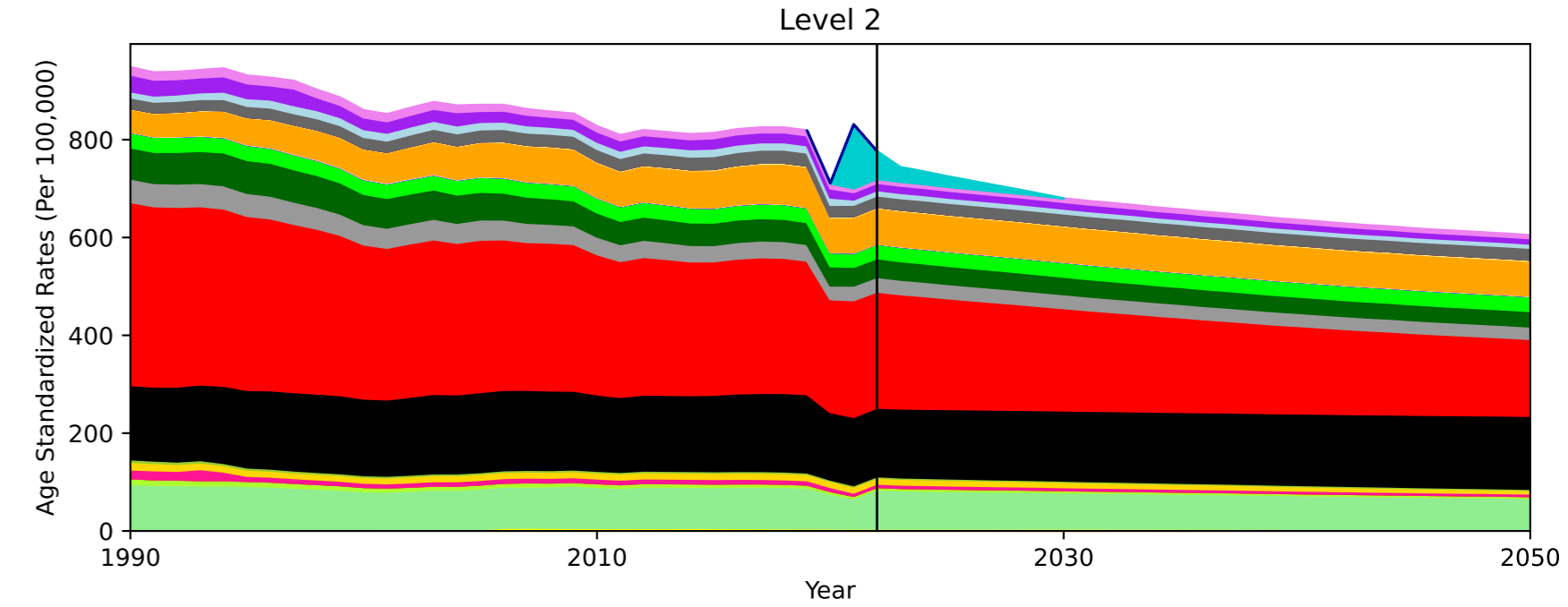
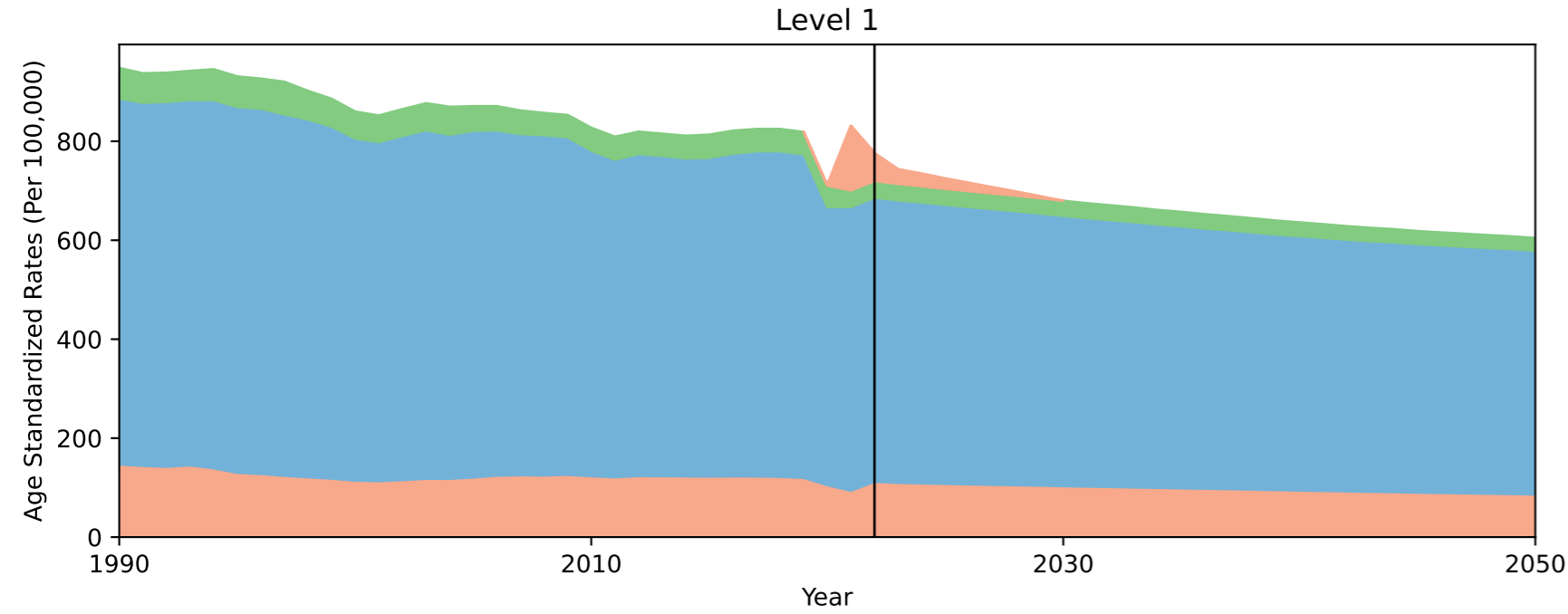
# Philippines

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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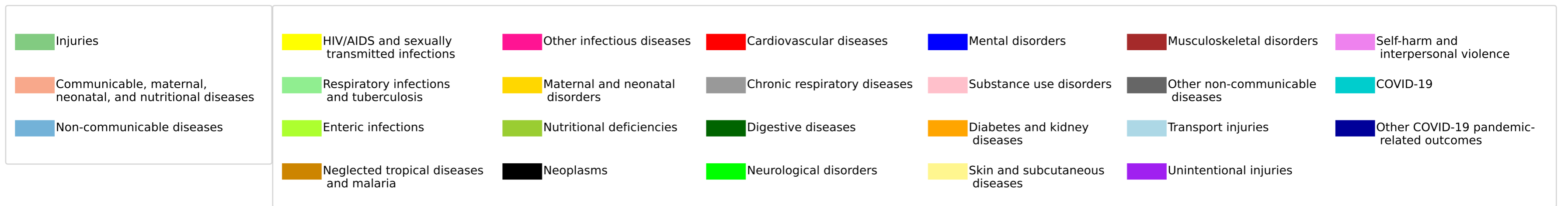
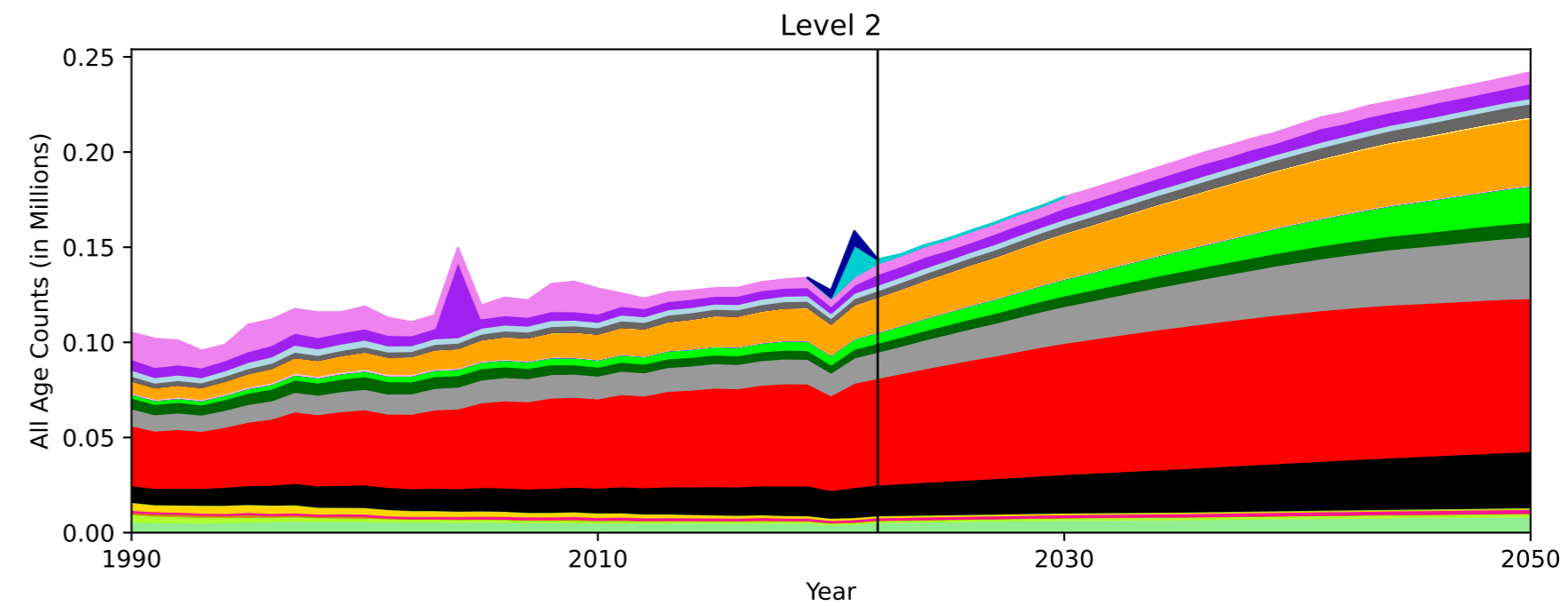
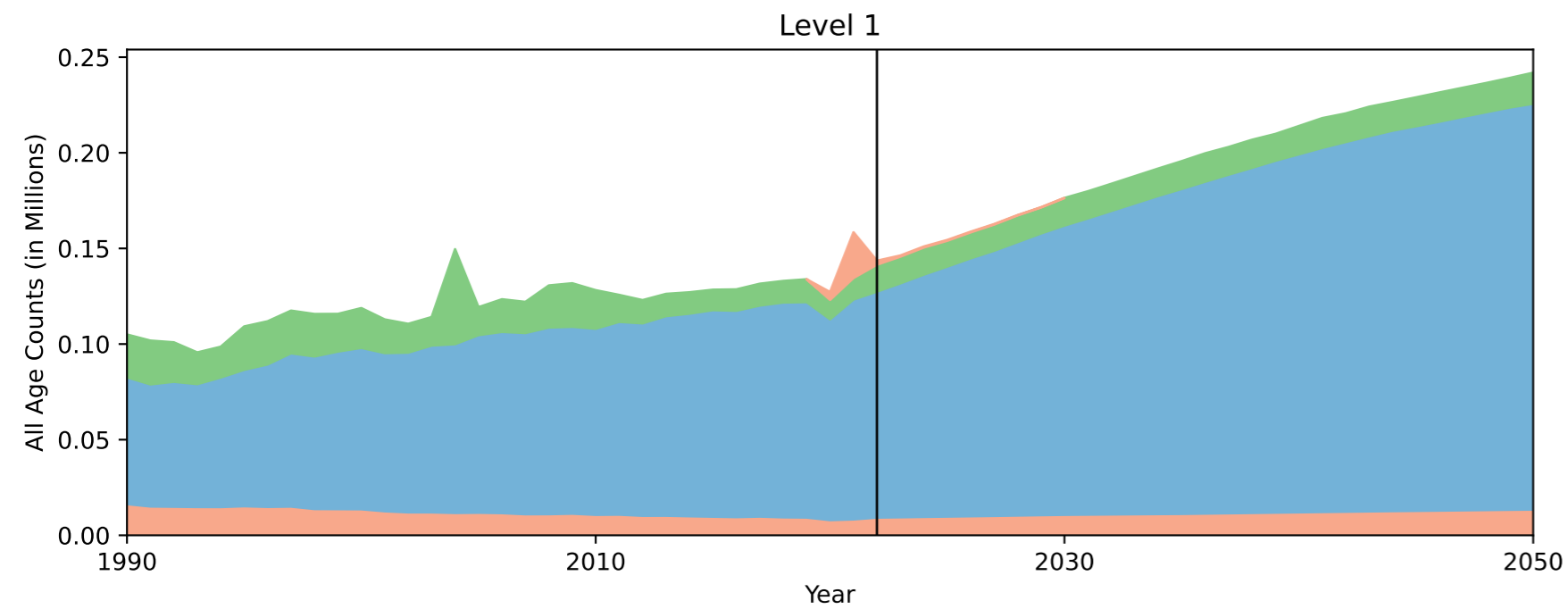
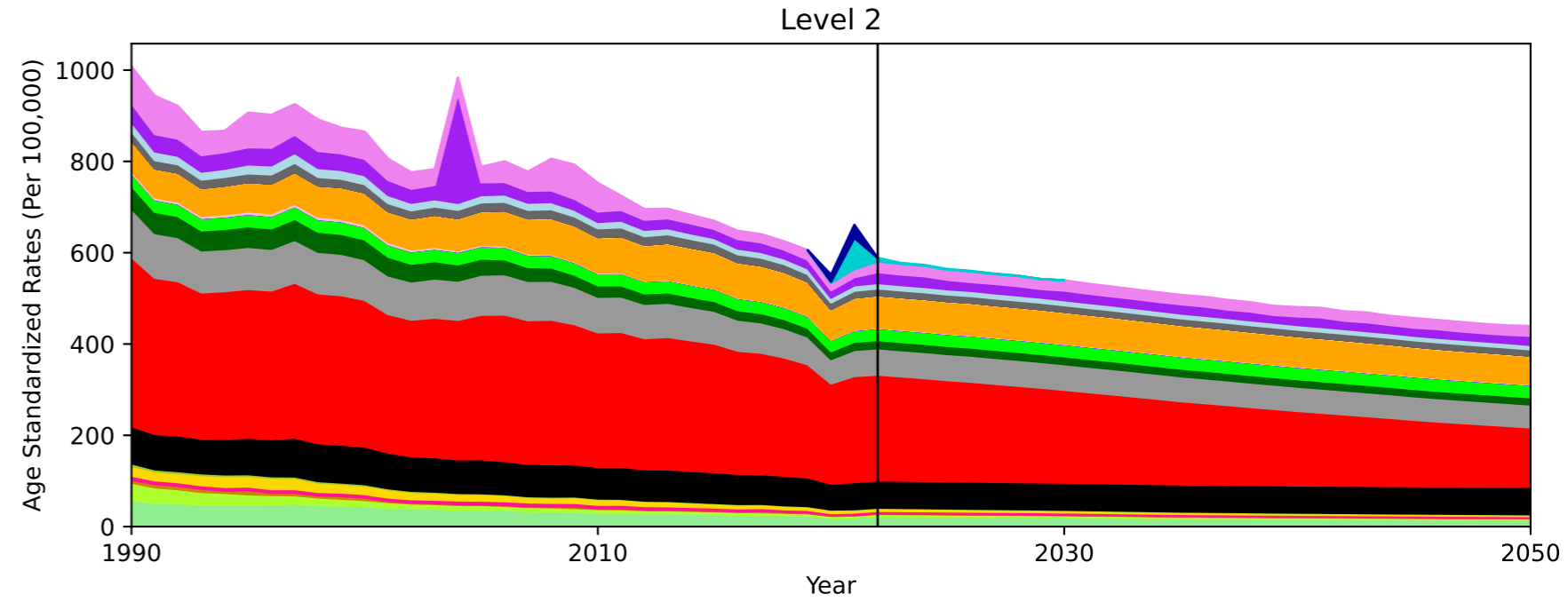
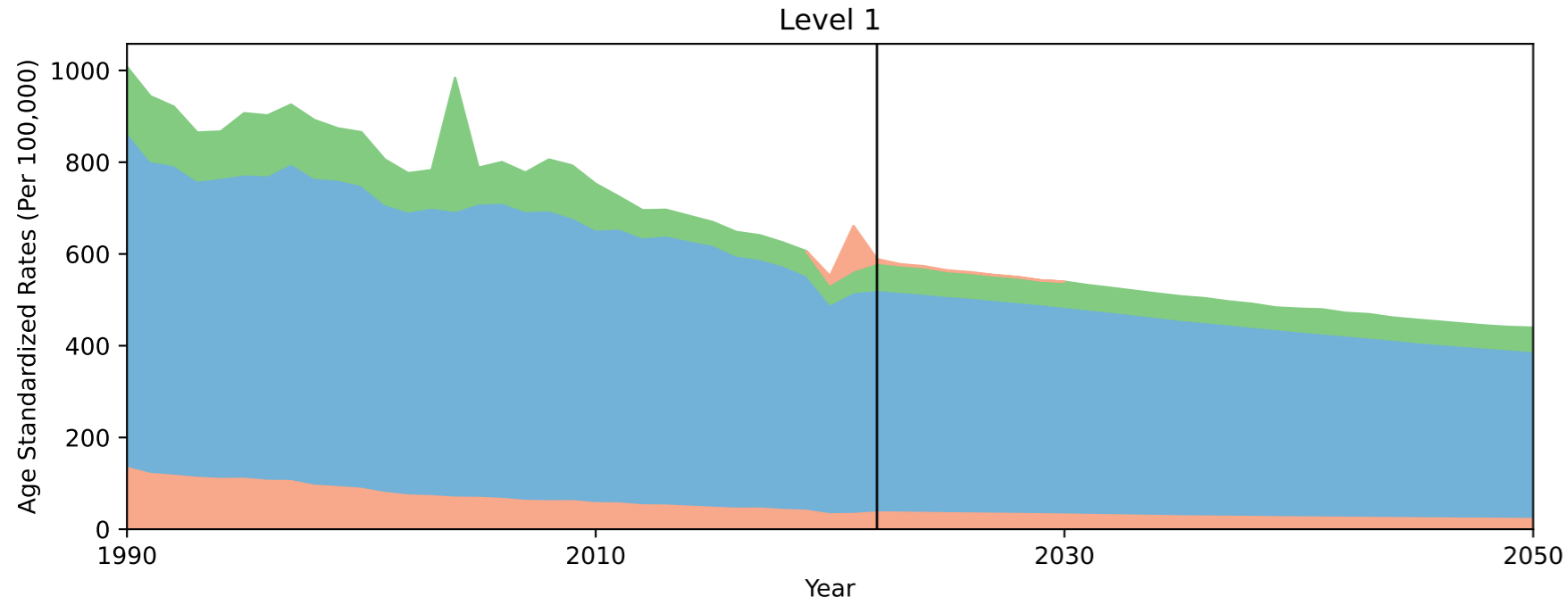


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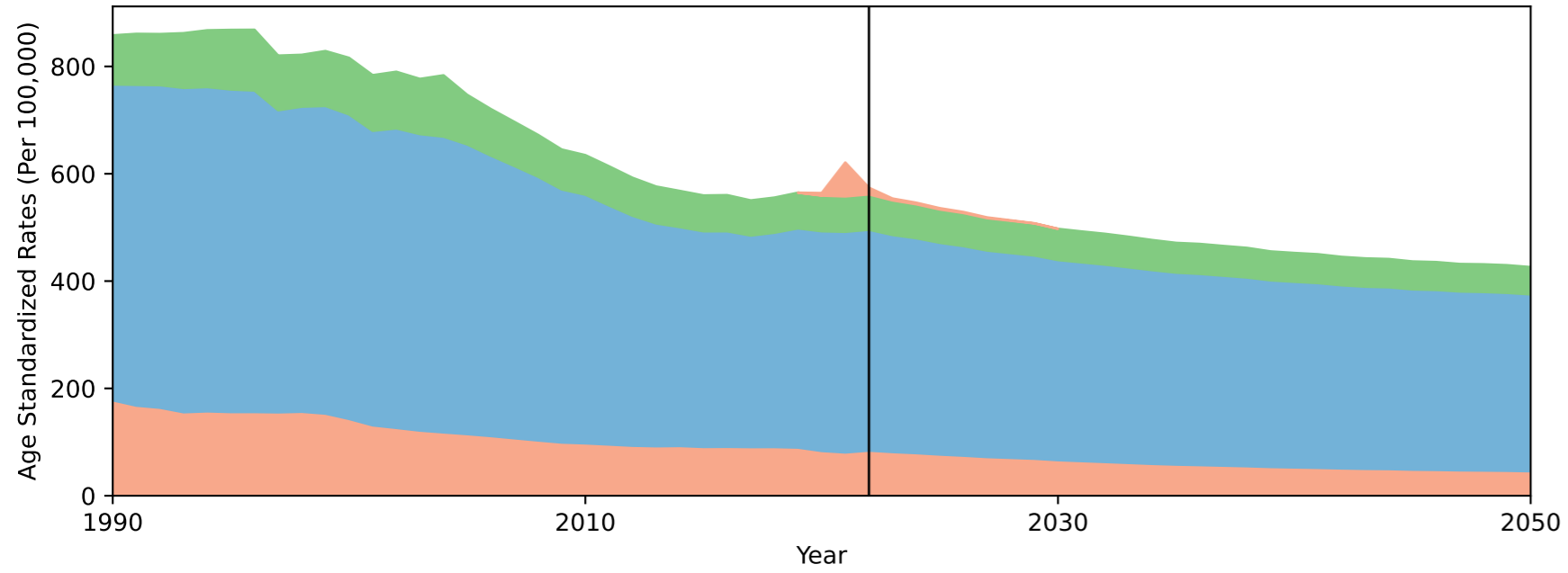




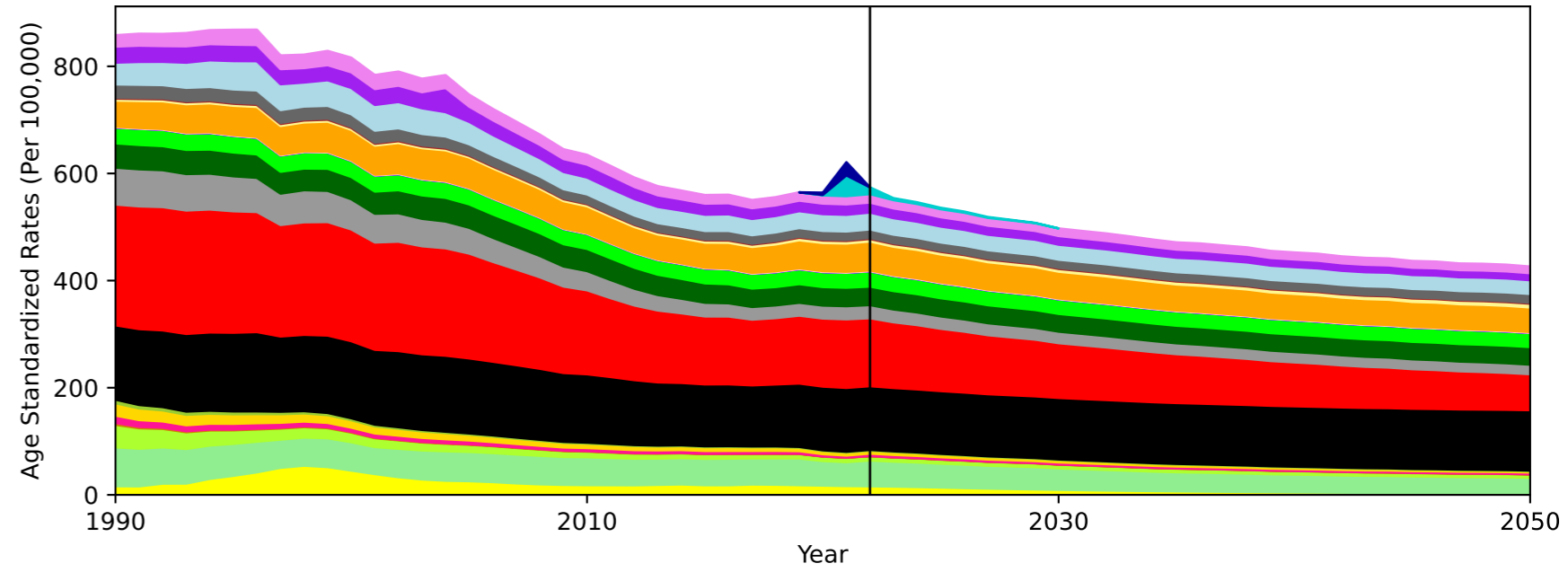
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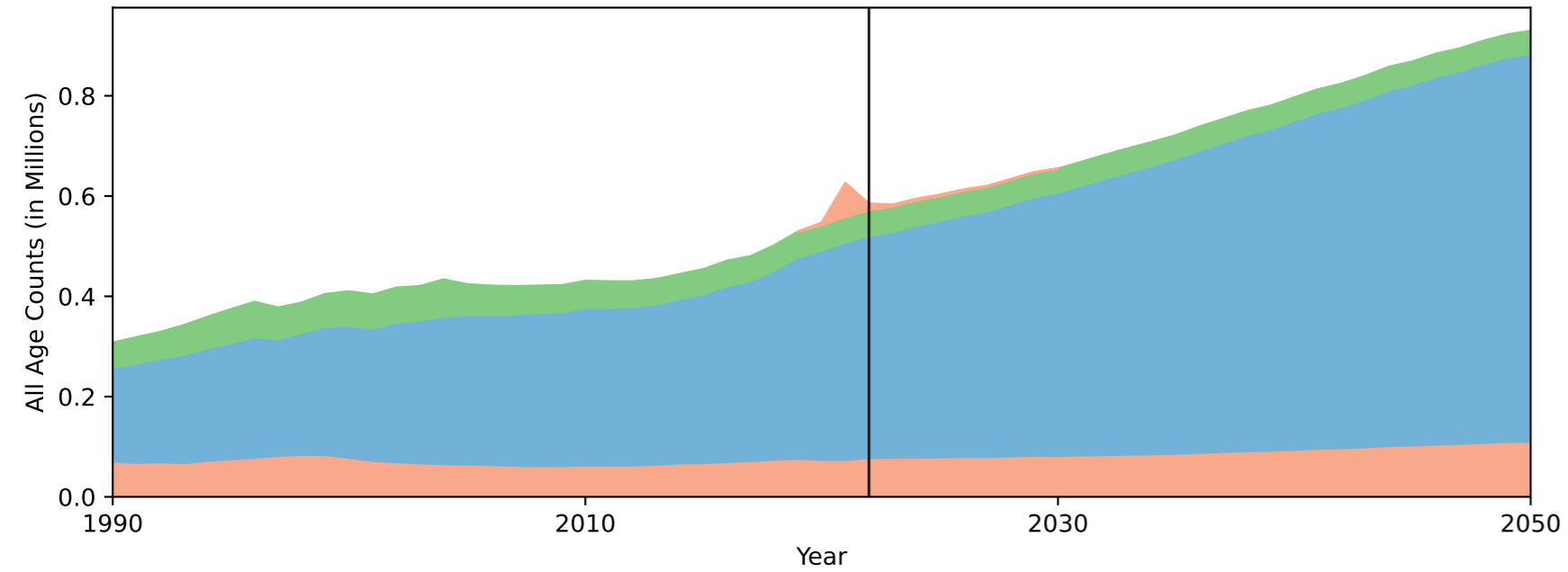
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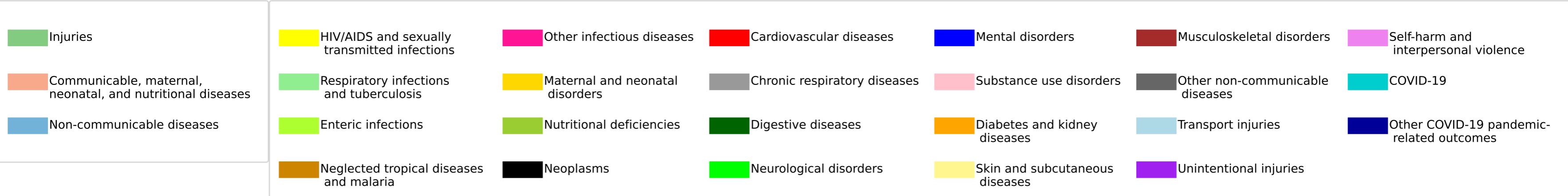
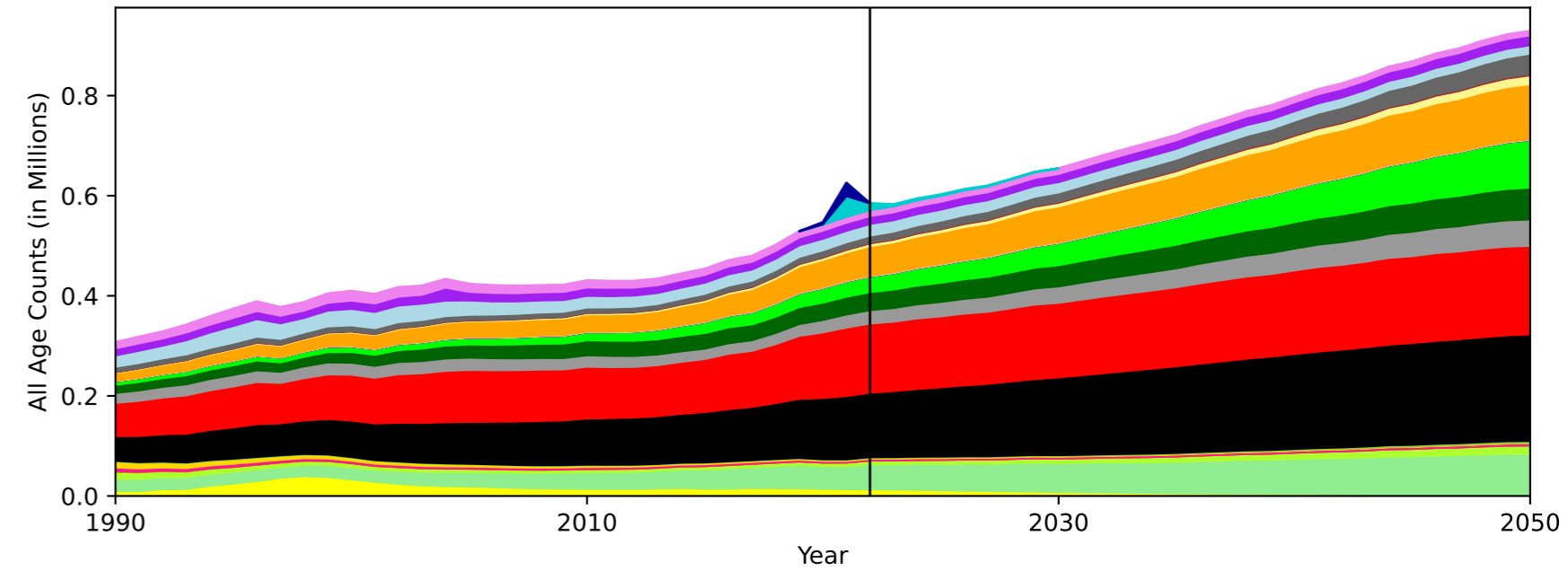
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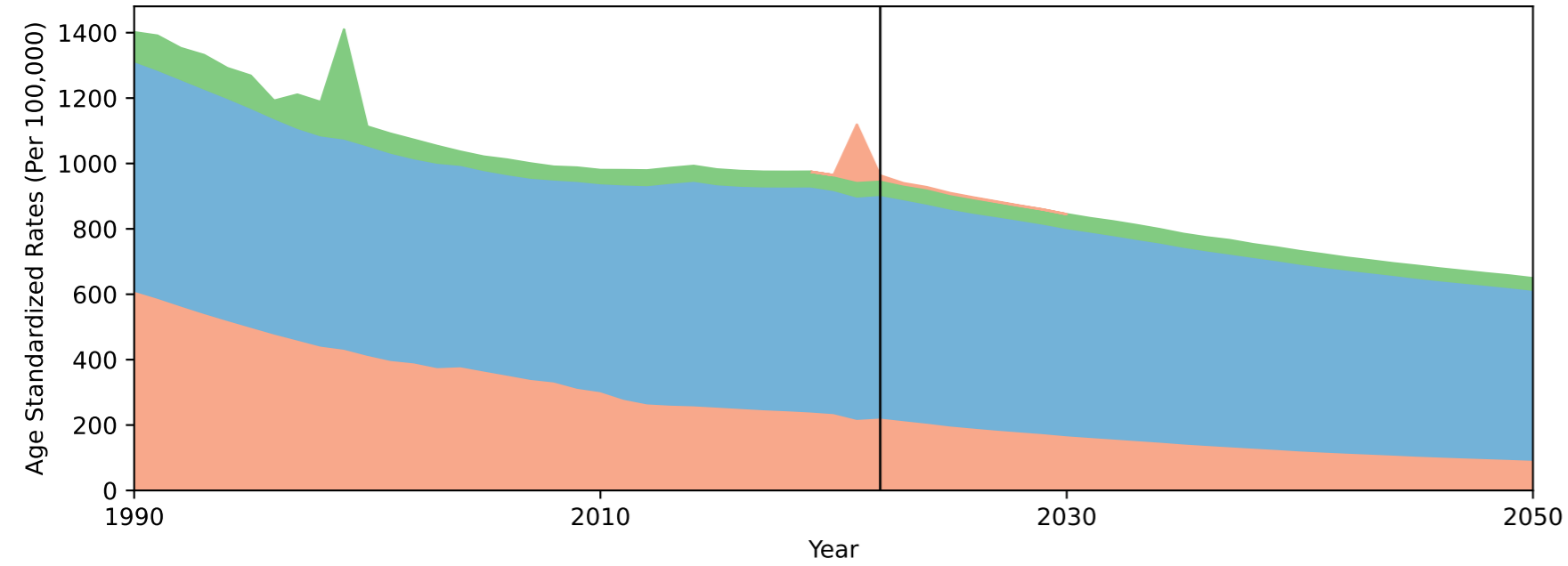


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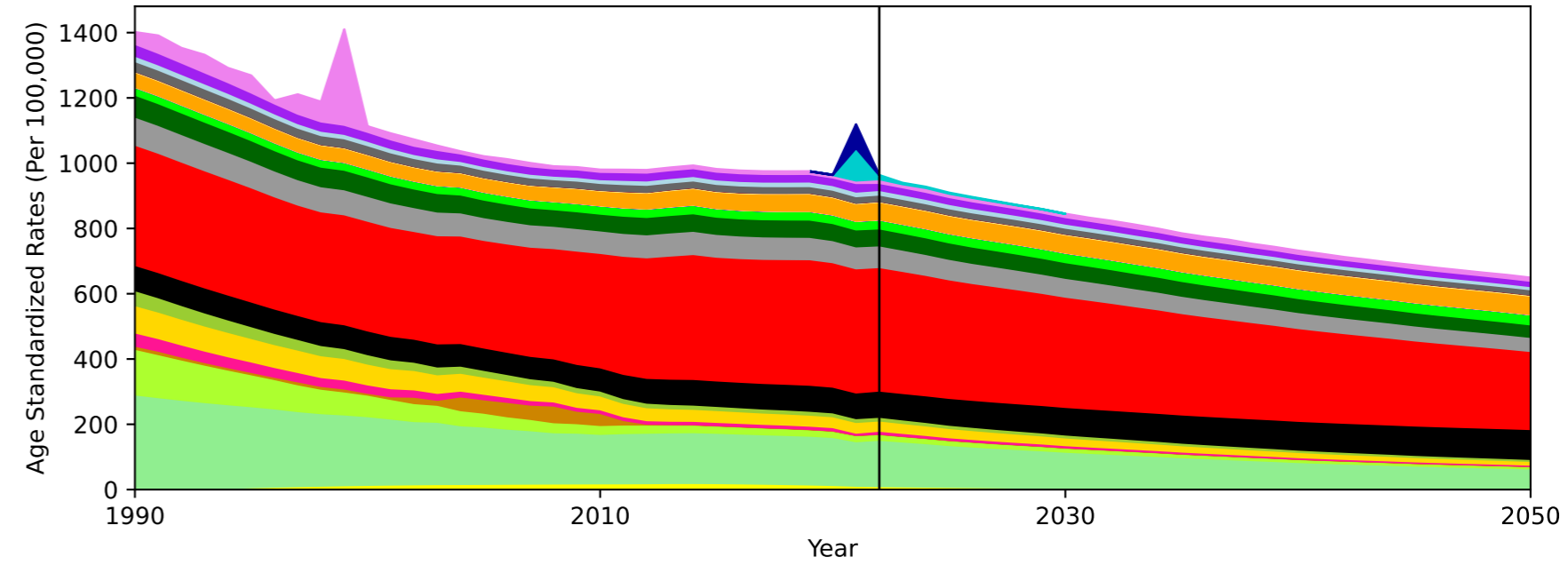


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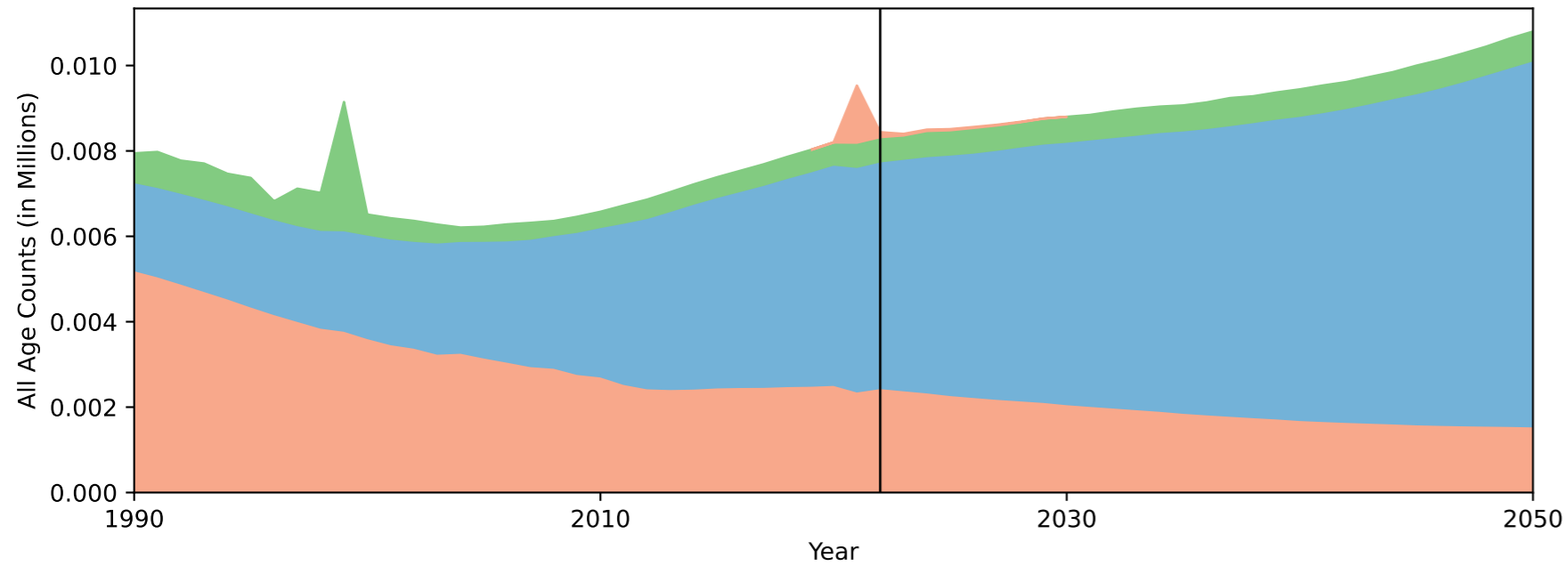
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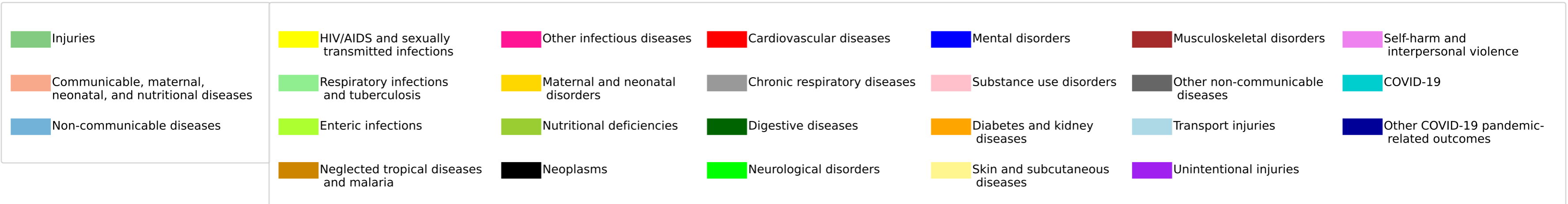
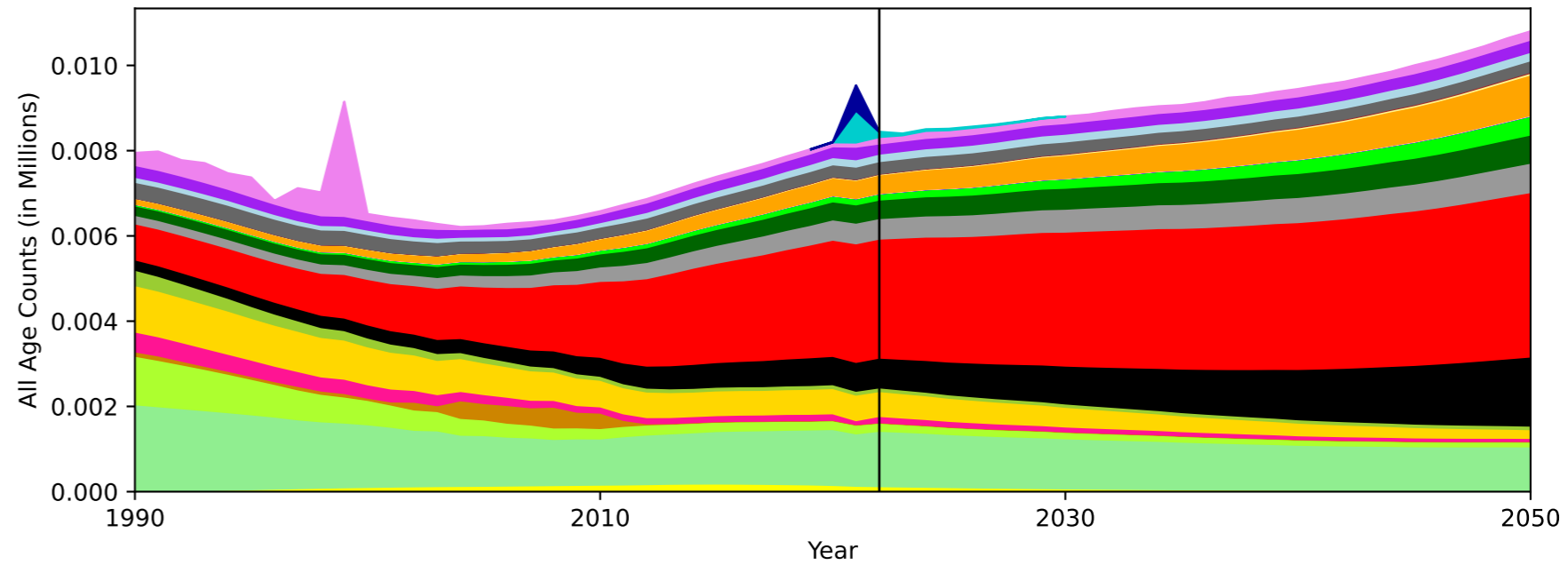
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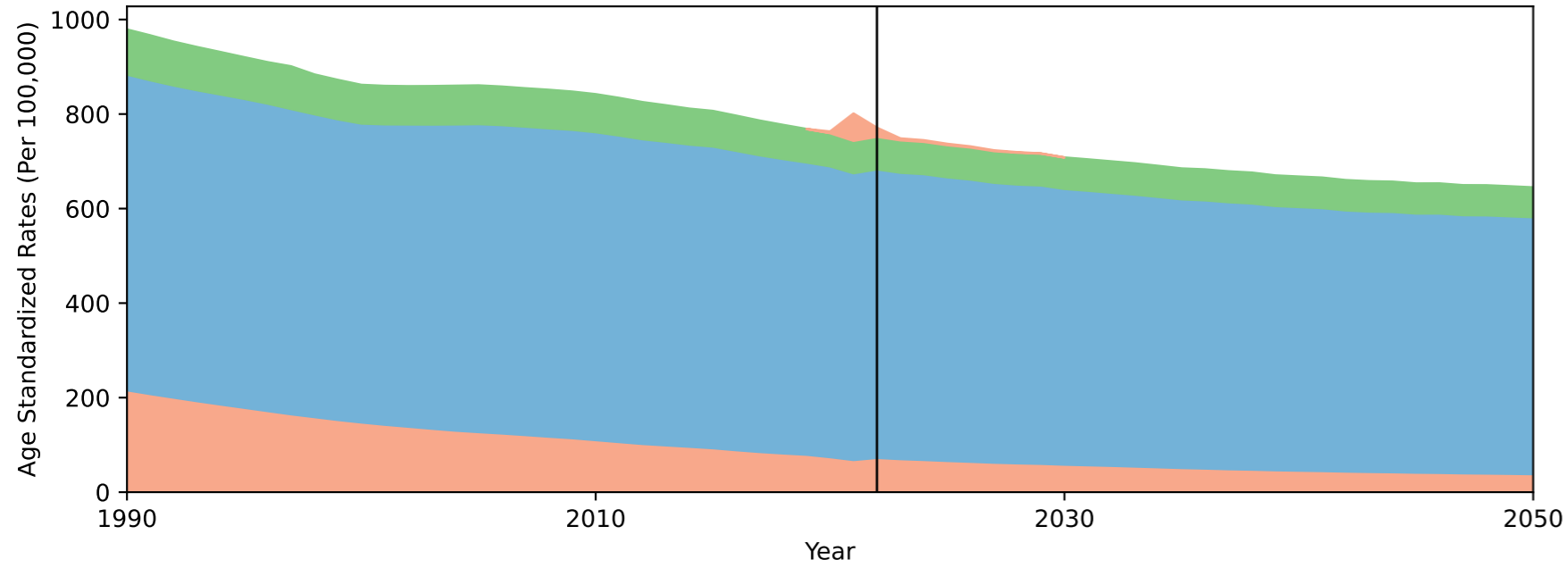


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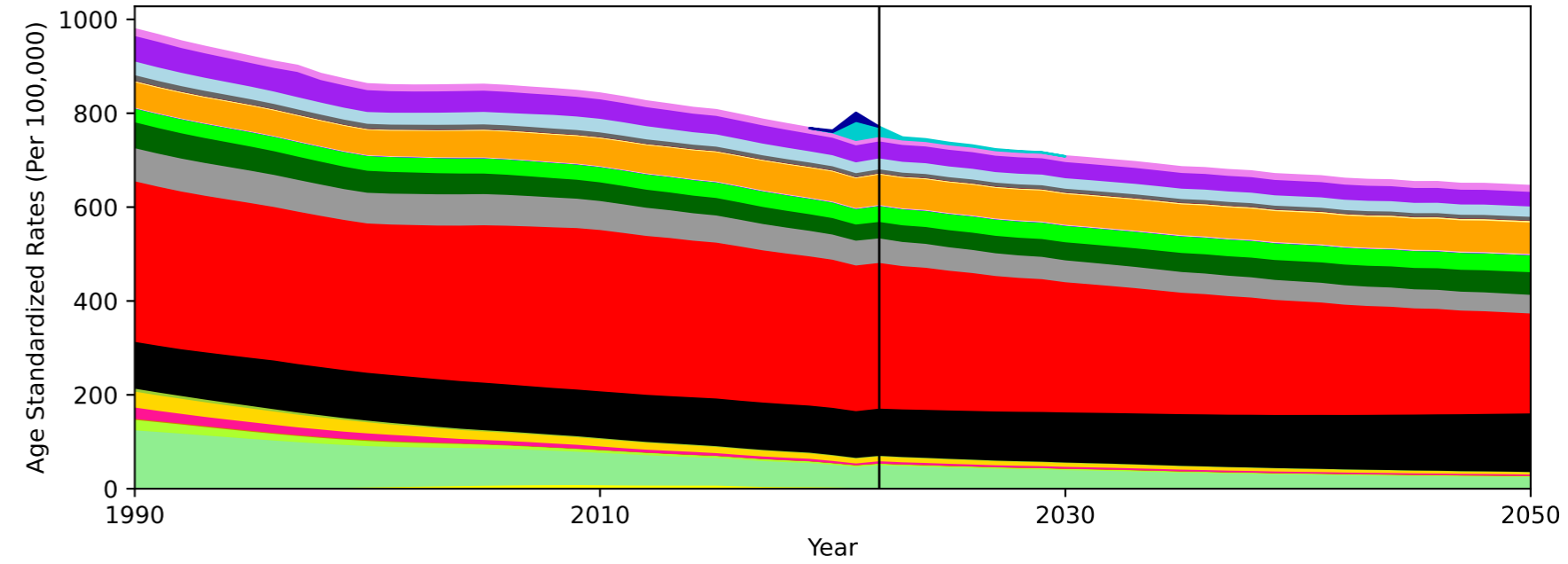


# Viet Nam

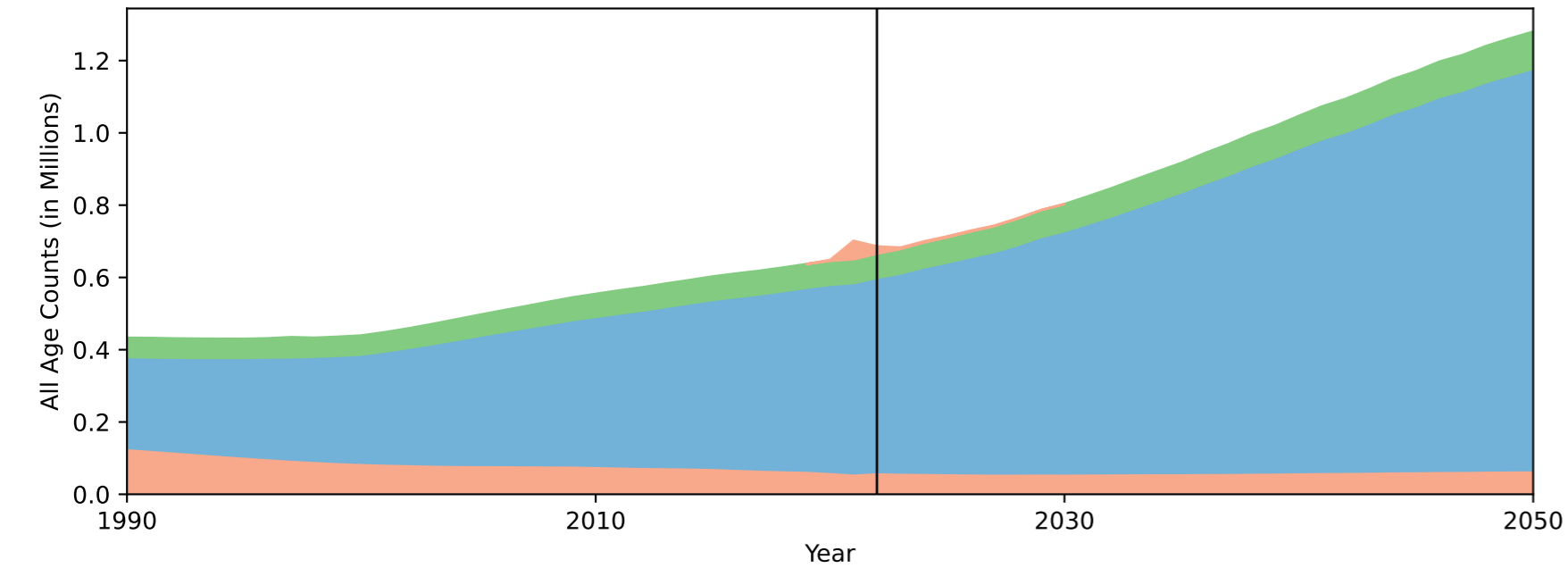
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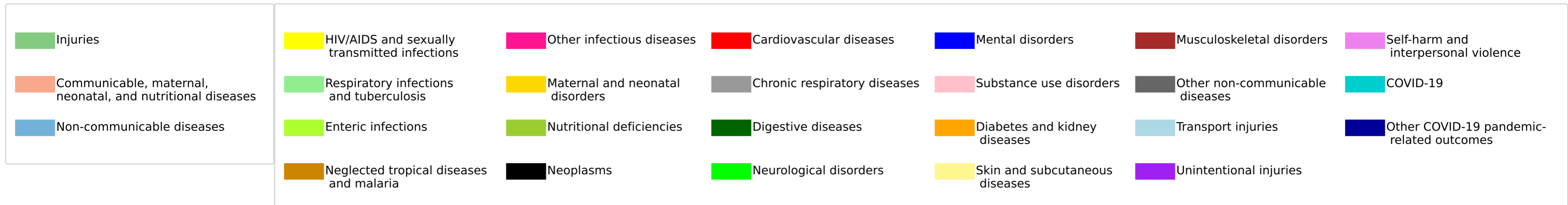
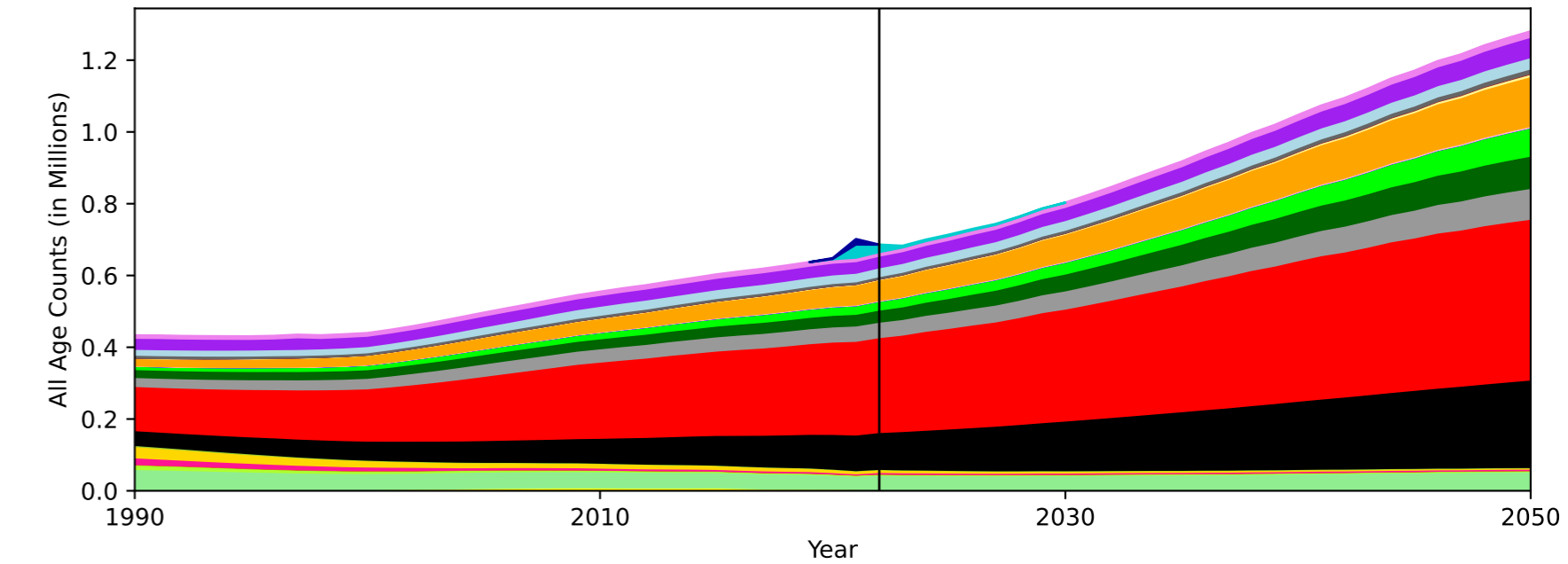
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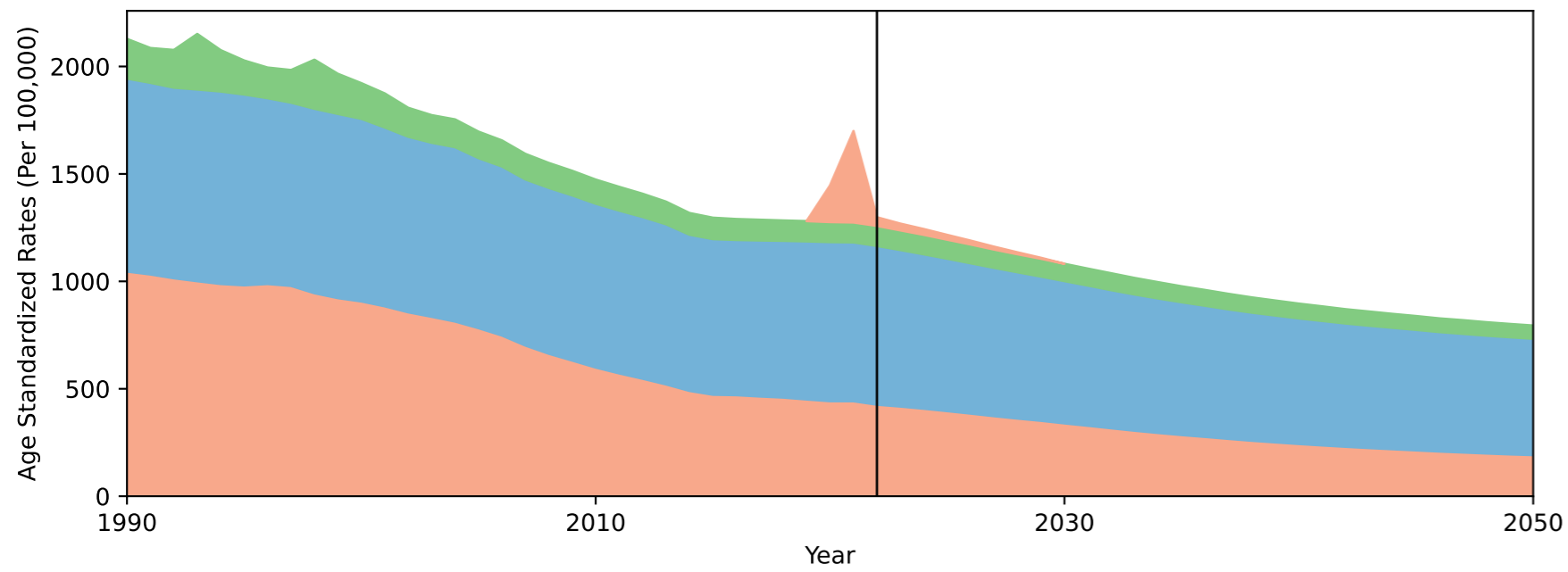


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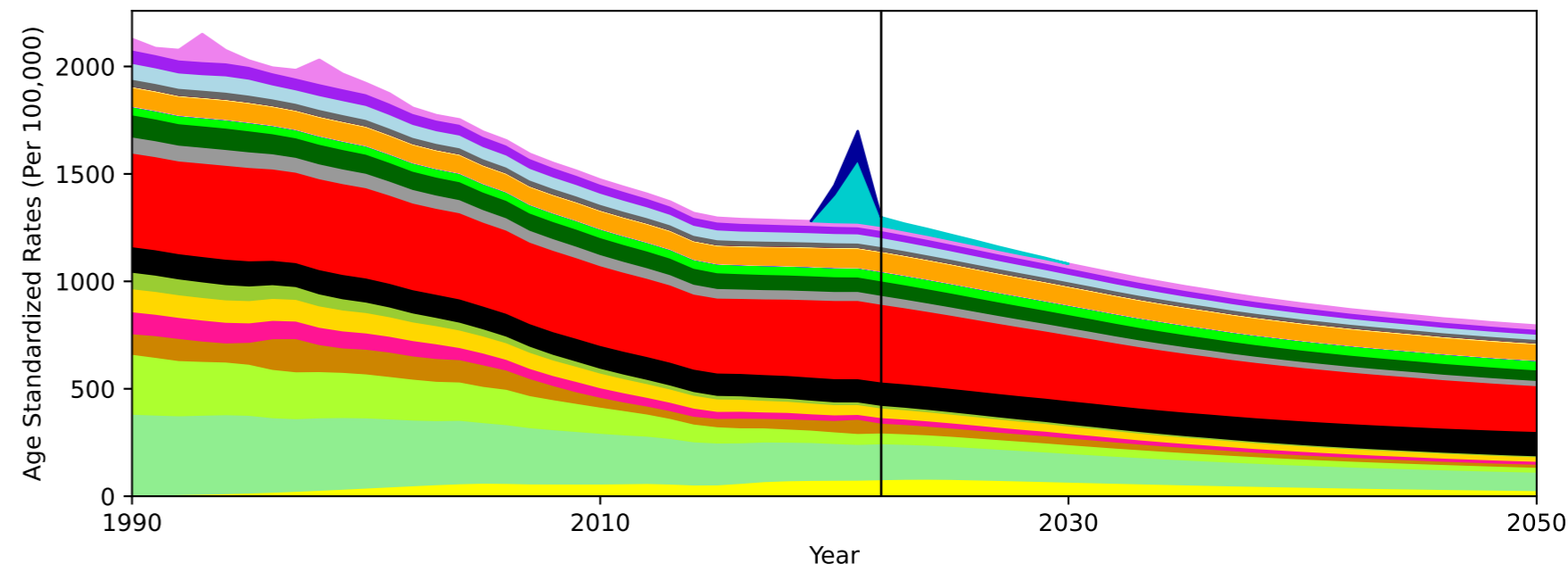


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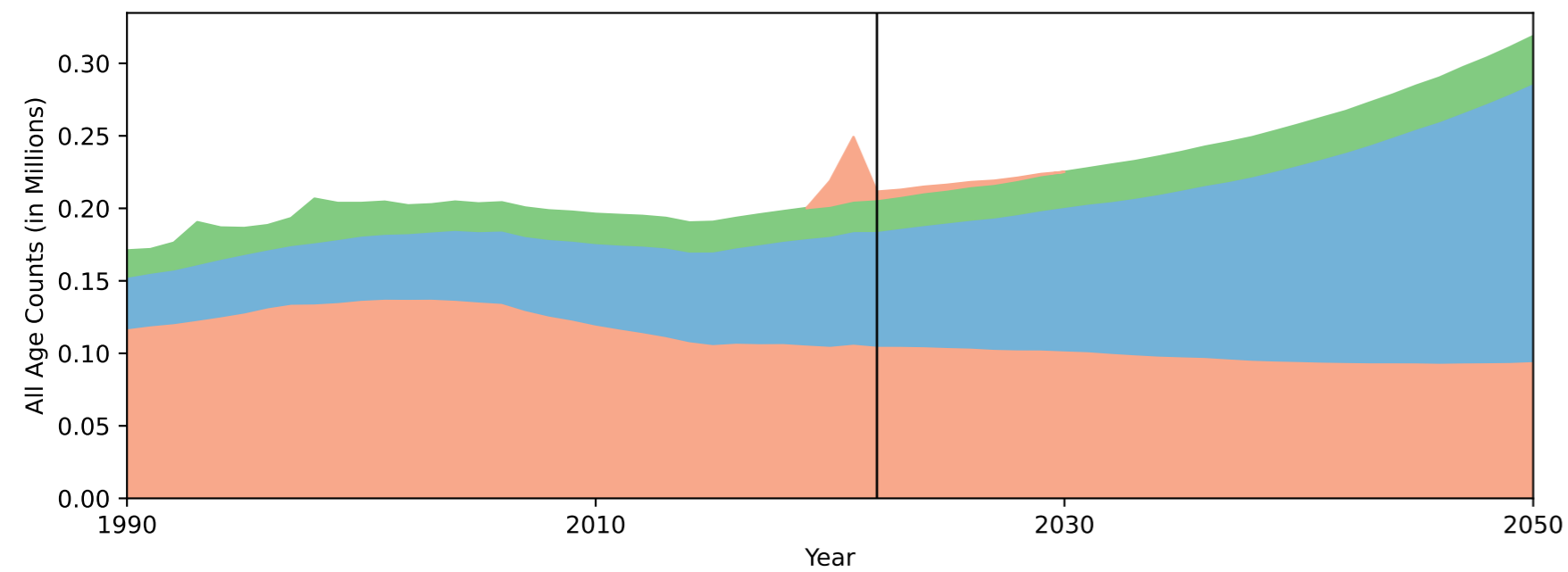
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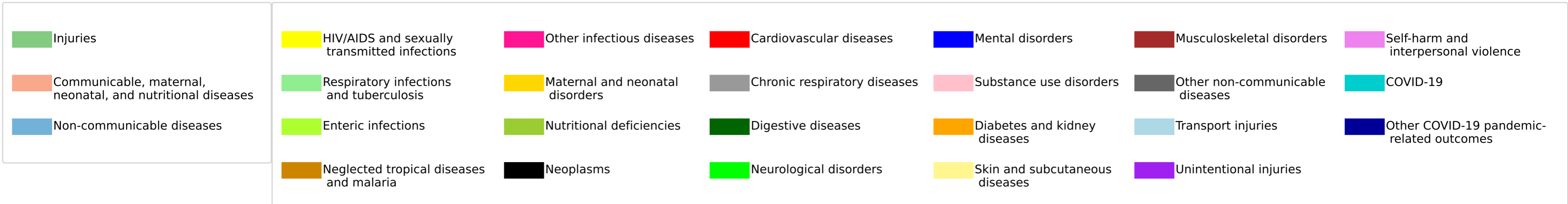
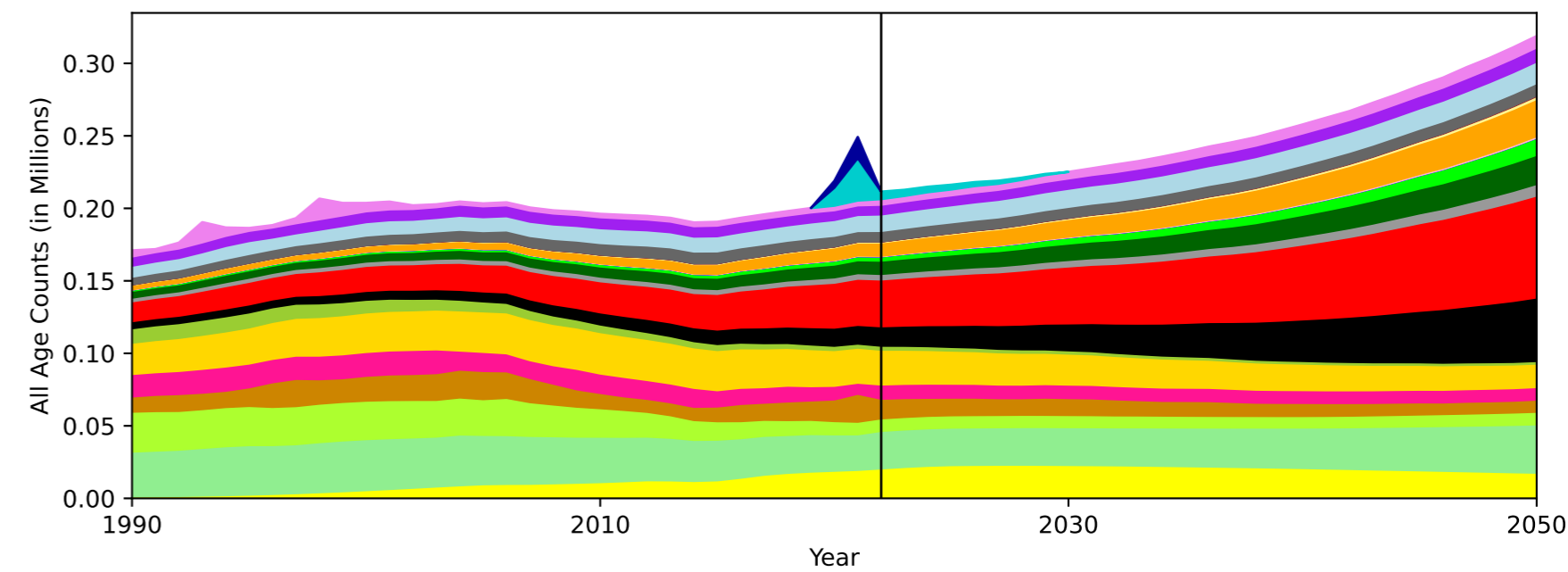
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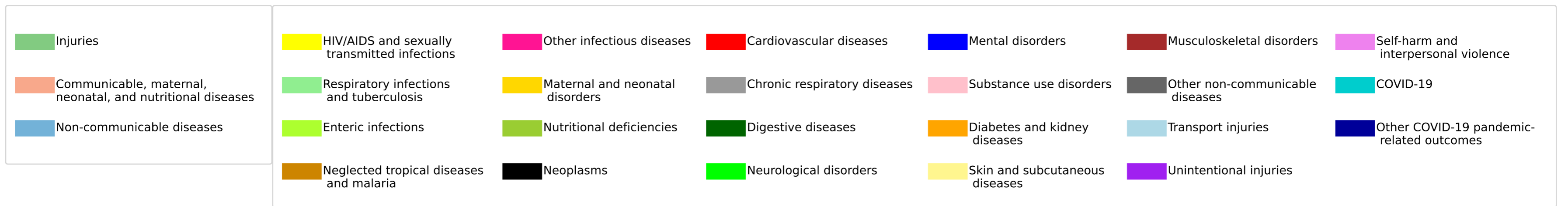
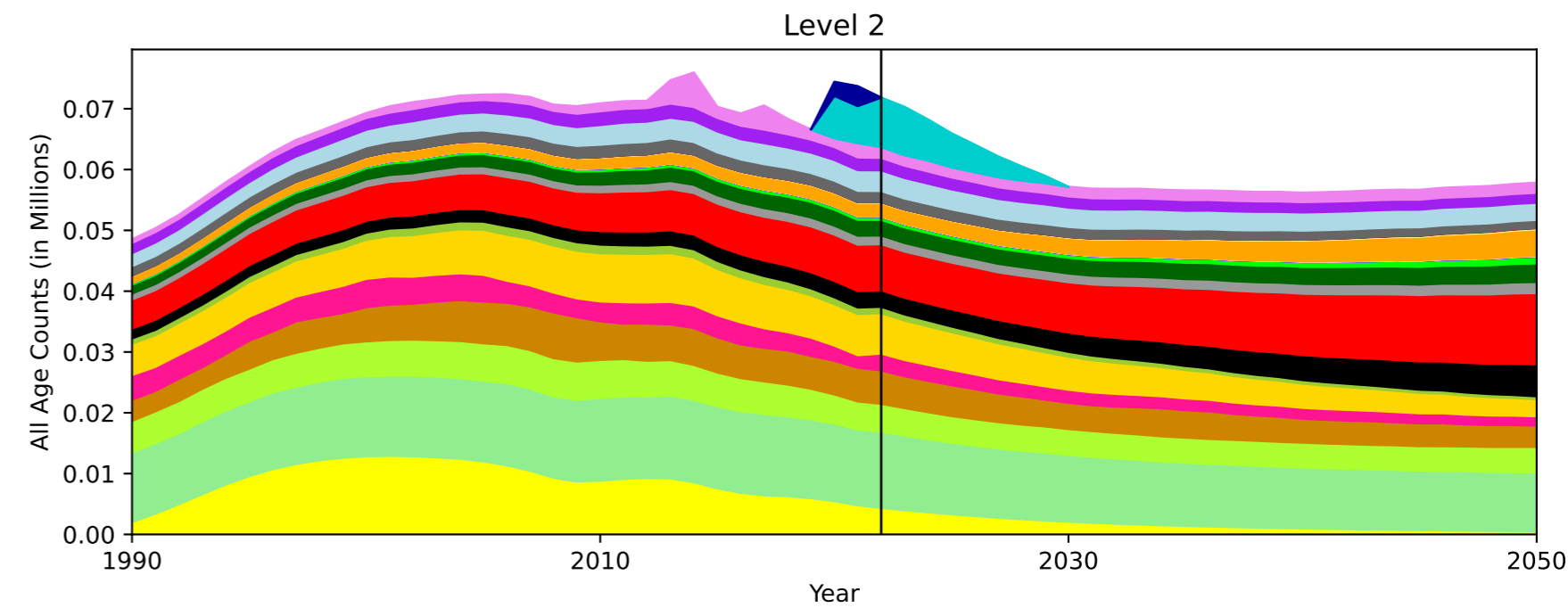
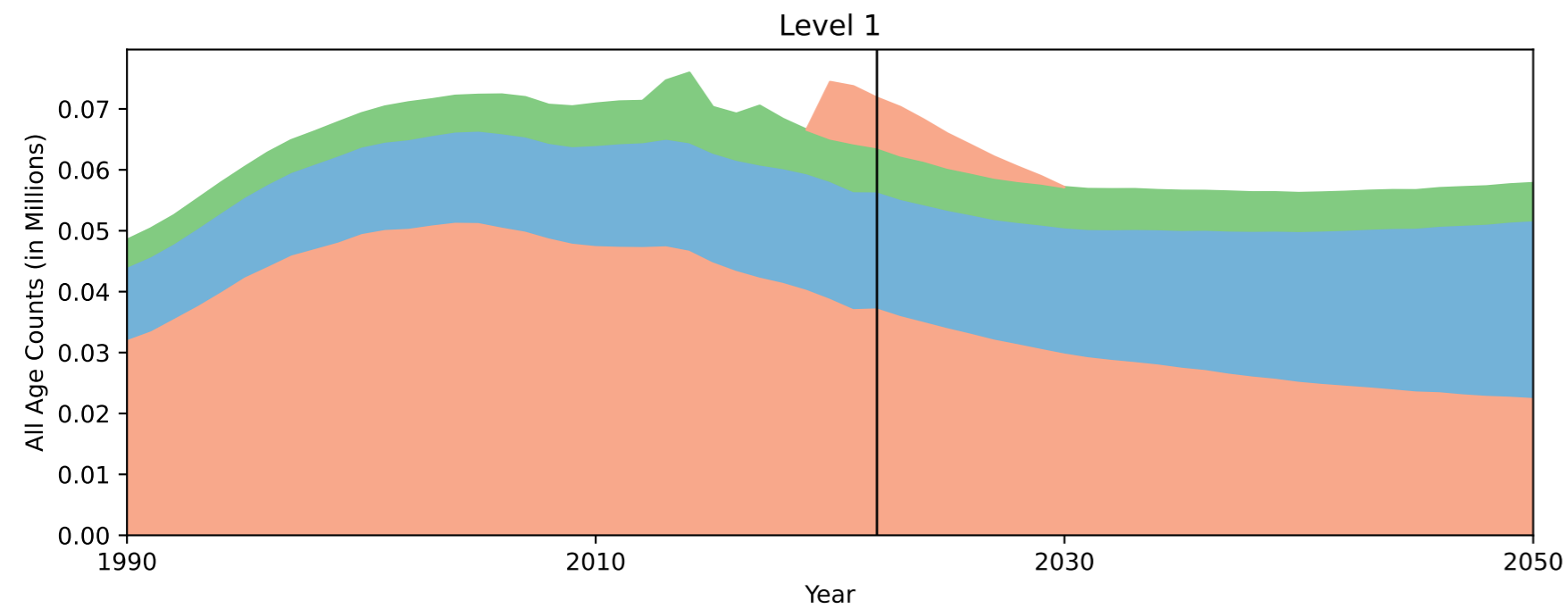
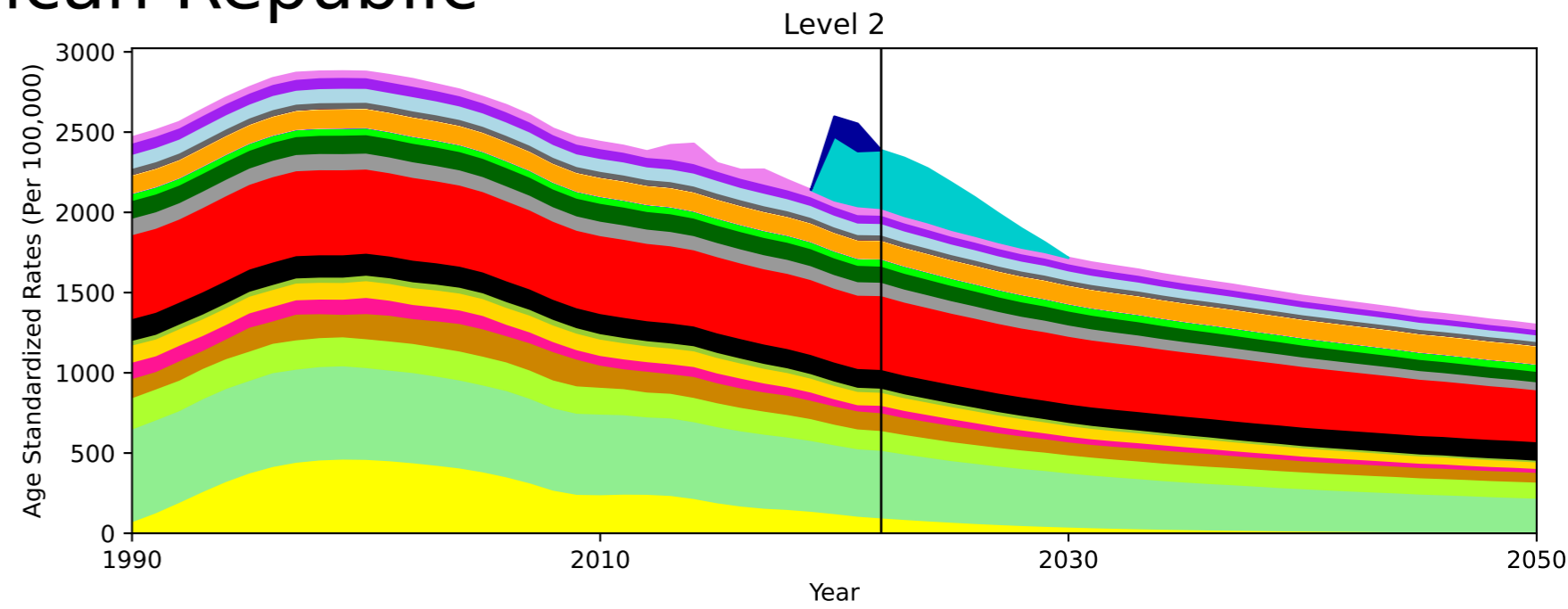
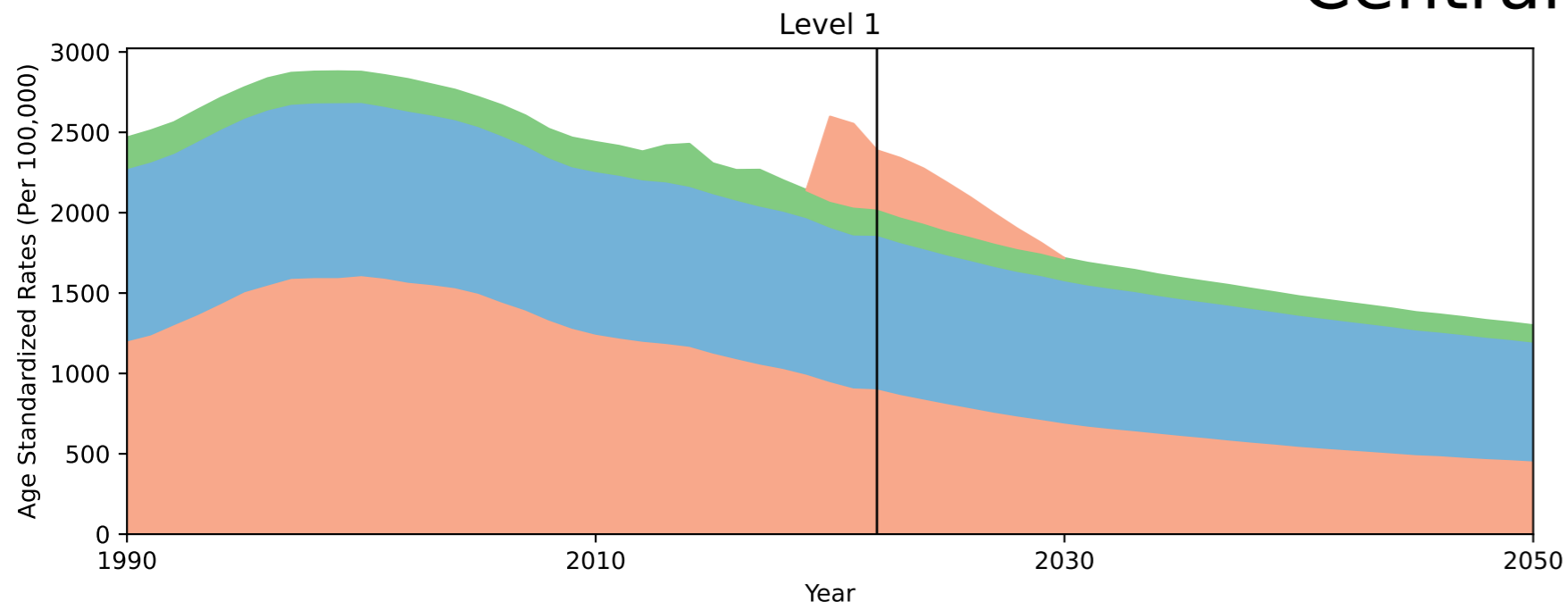
Level 1



Level 2



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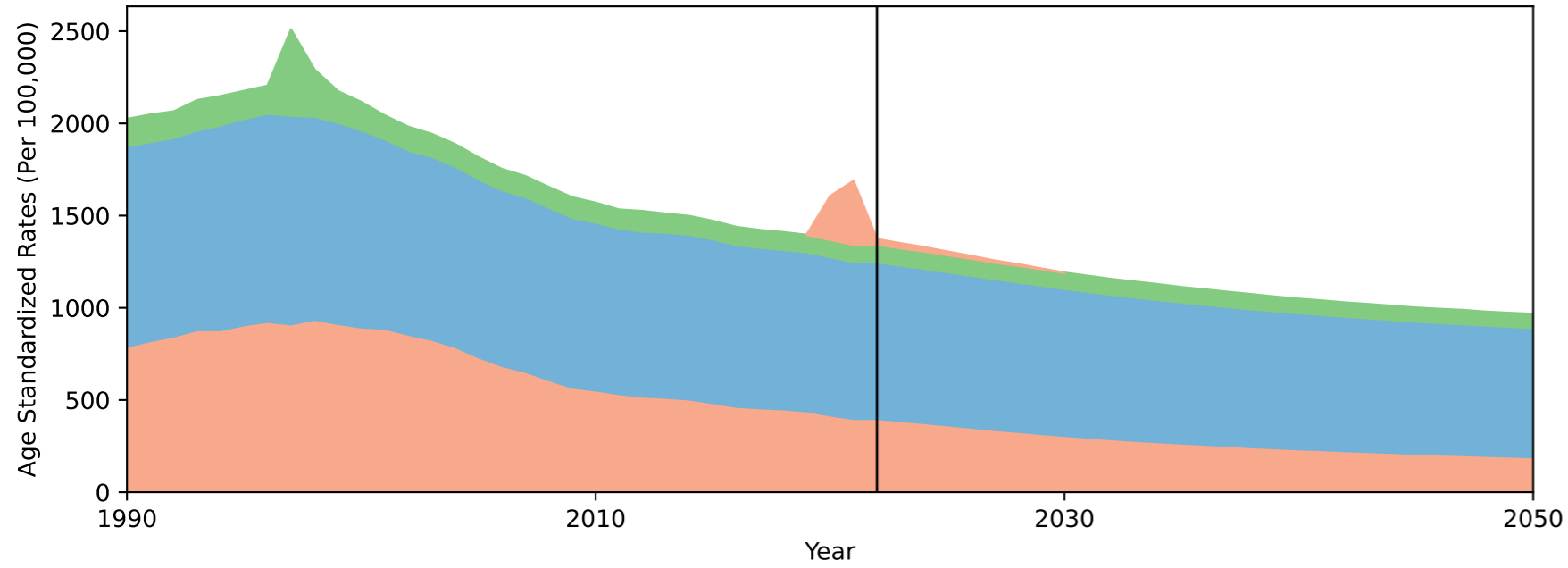


# Congo (Brazzaville)

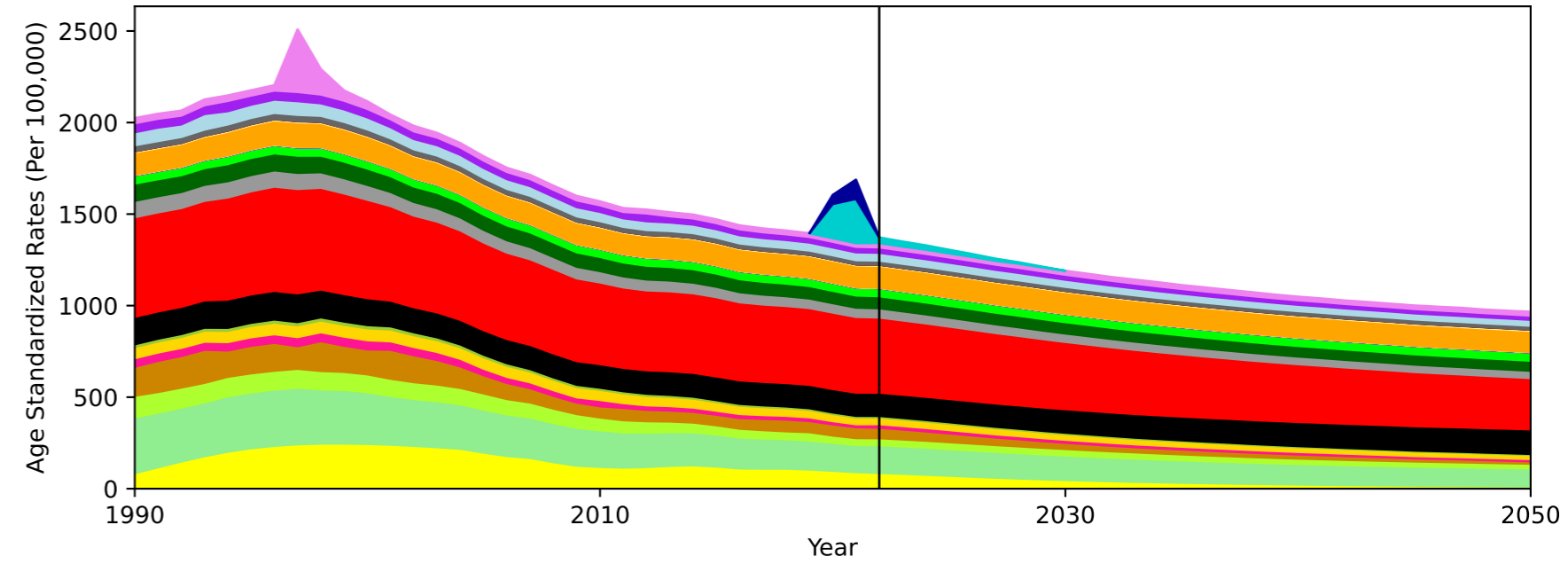
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

638

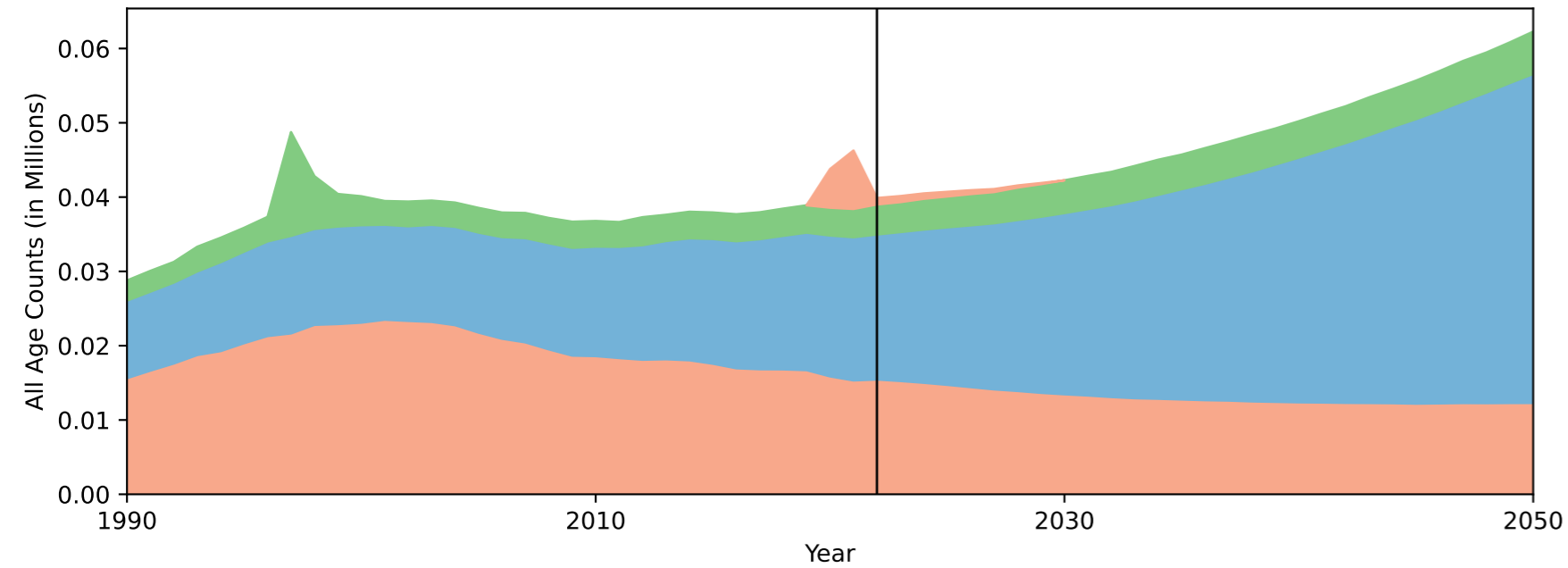
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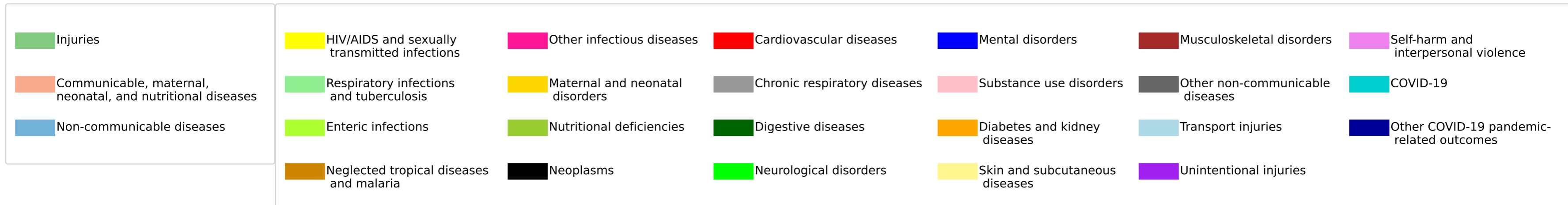
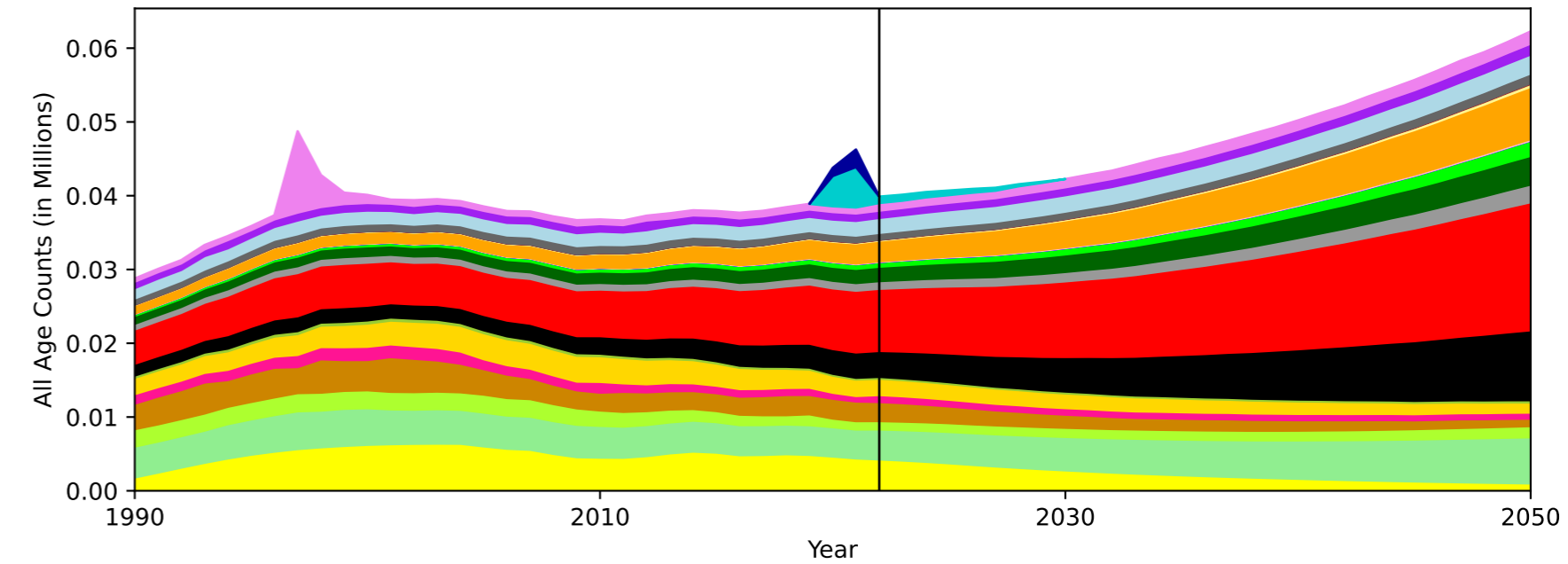
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Level 1

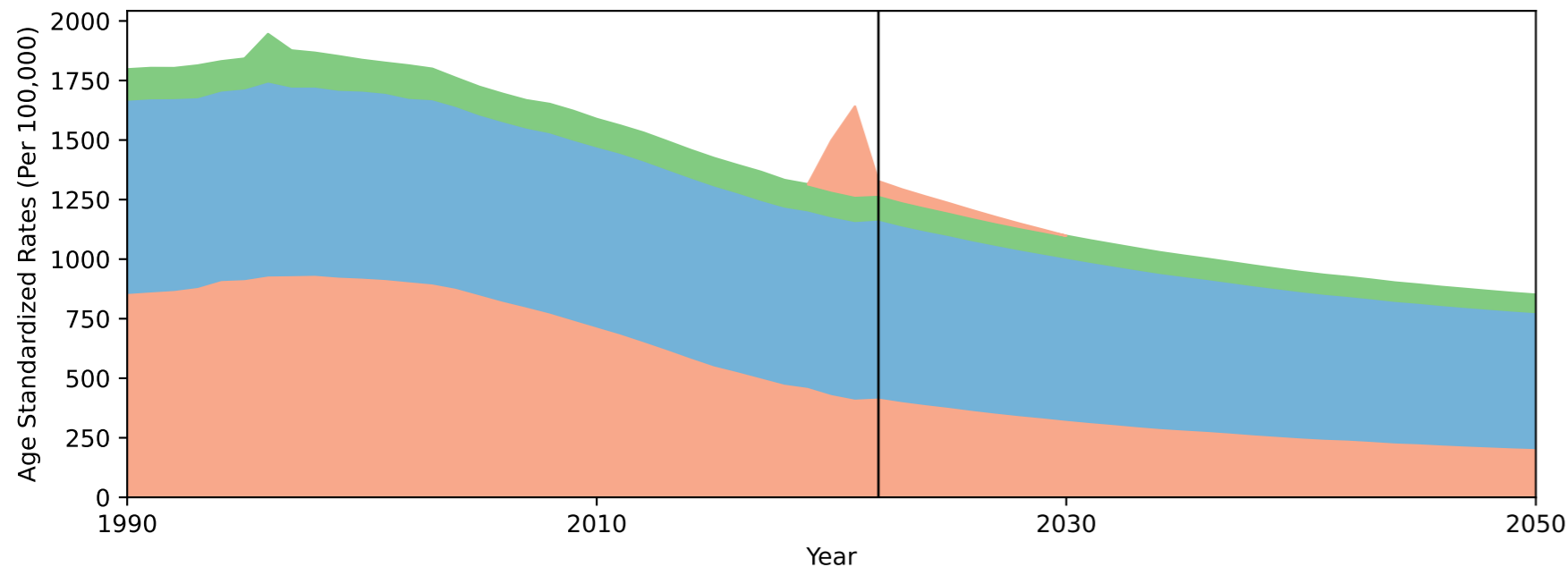


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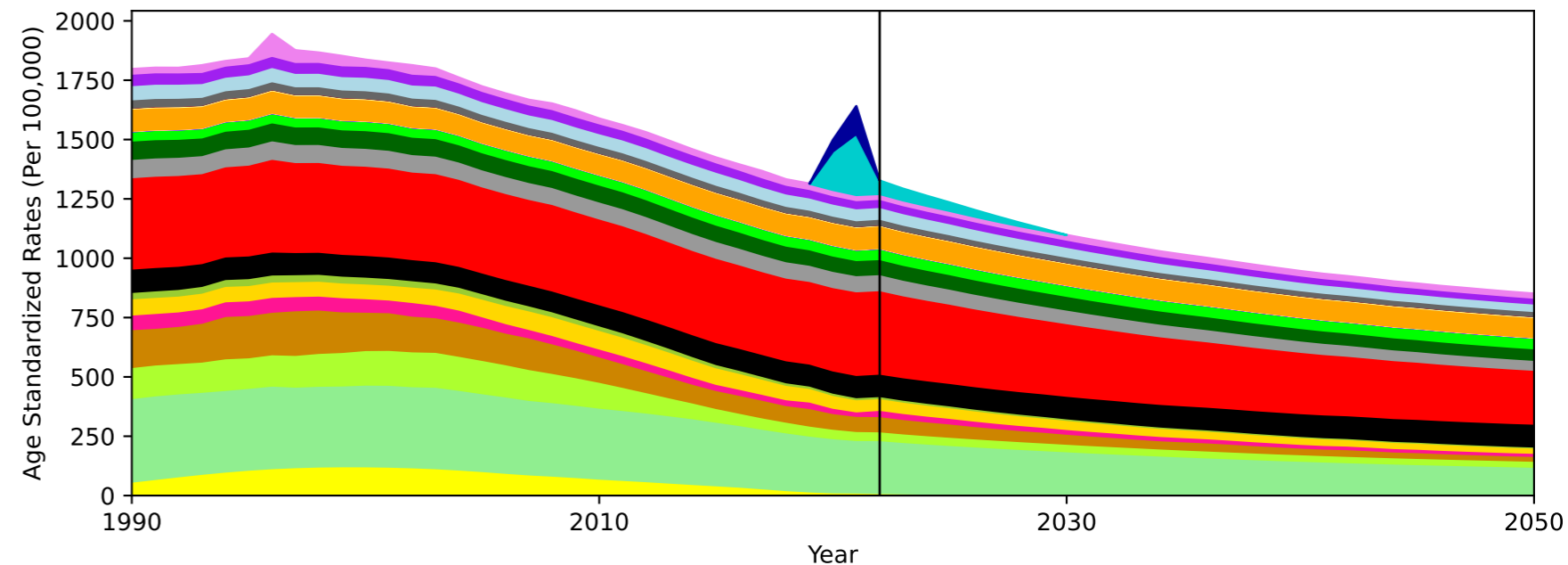


# DR Congo

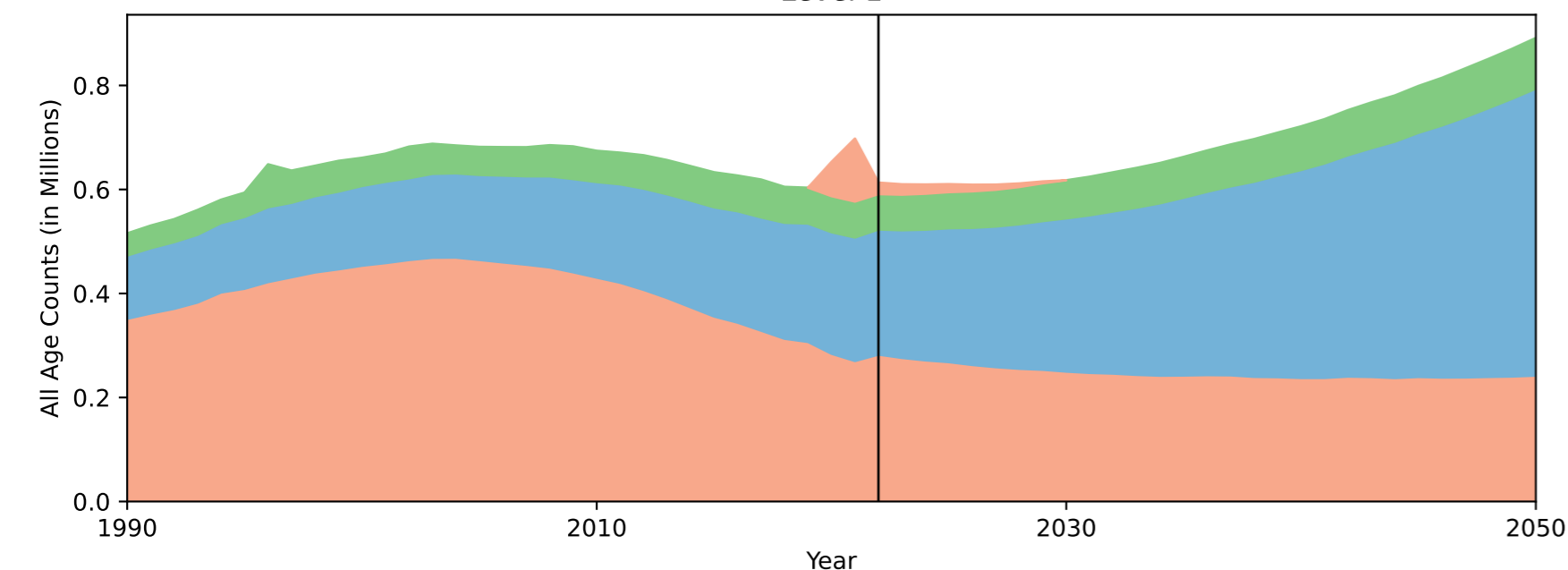
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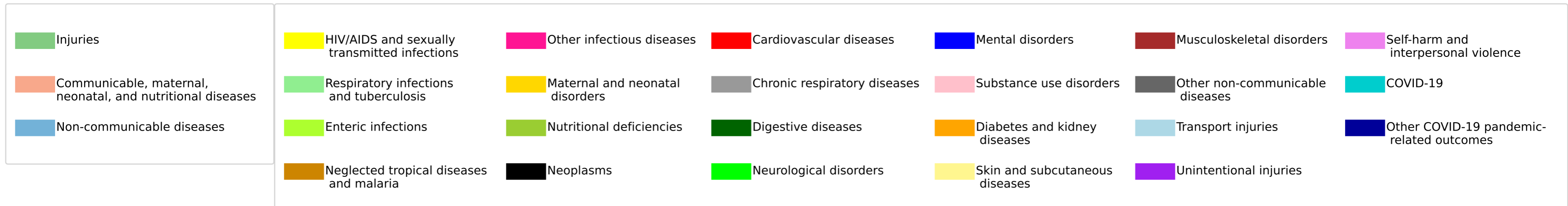
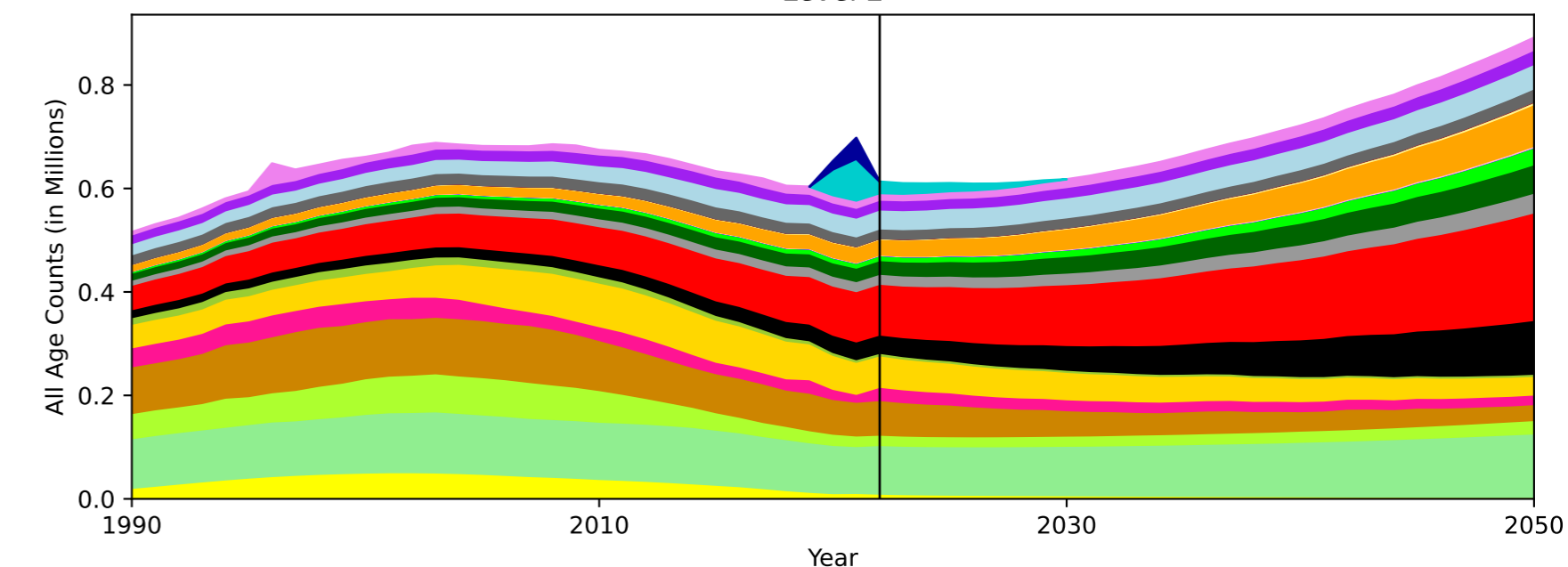
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Level 1



Level 2



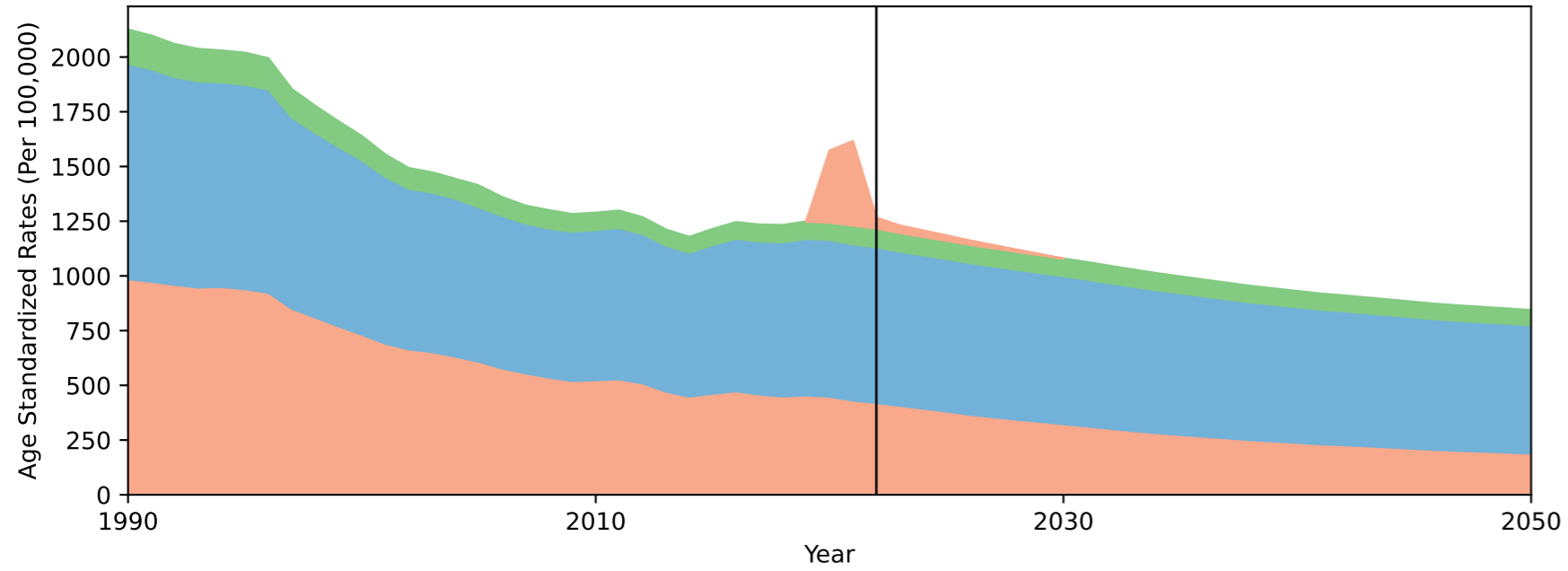


# Equatorial Guinea

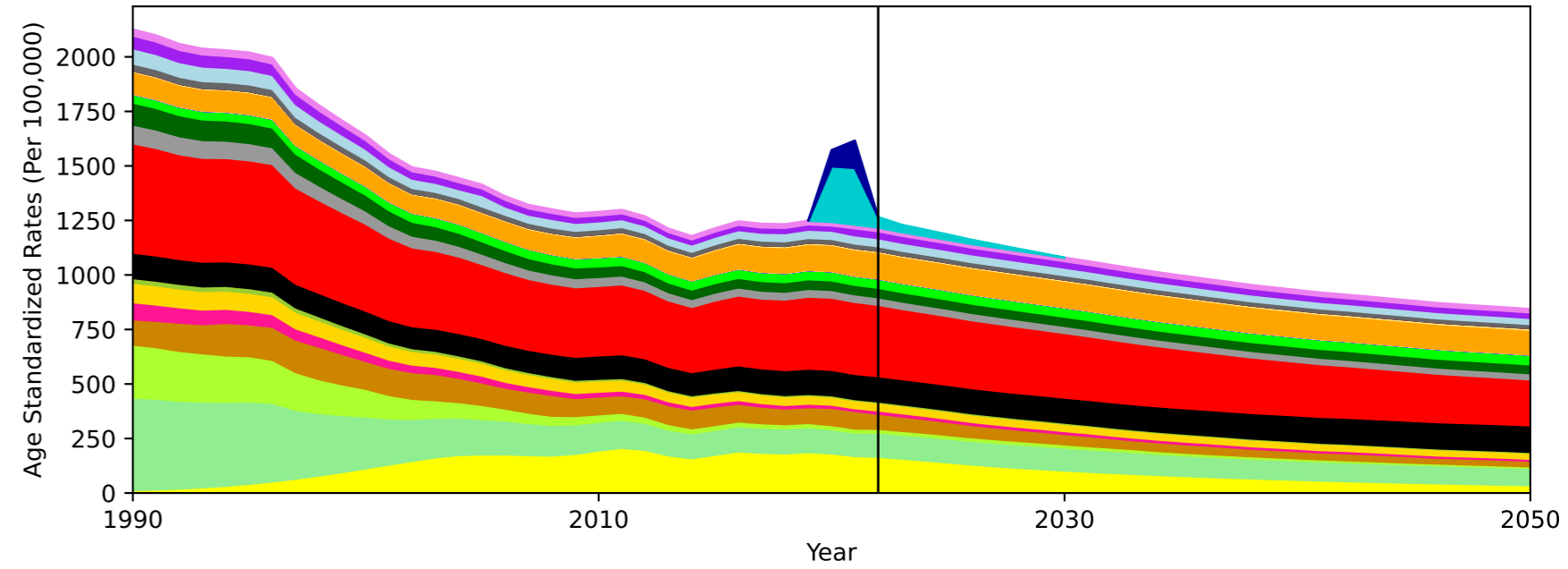
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

640

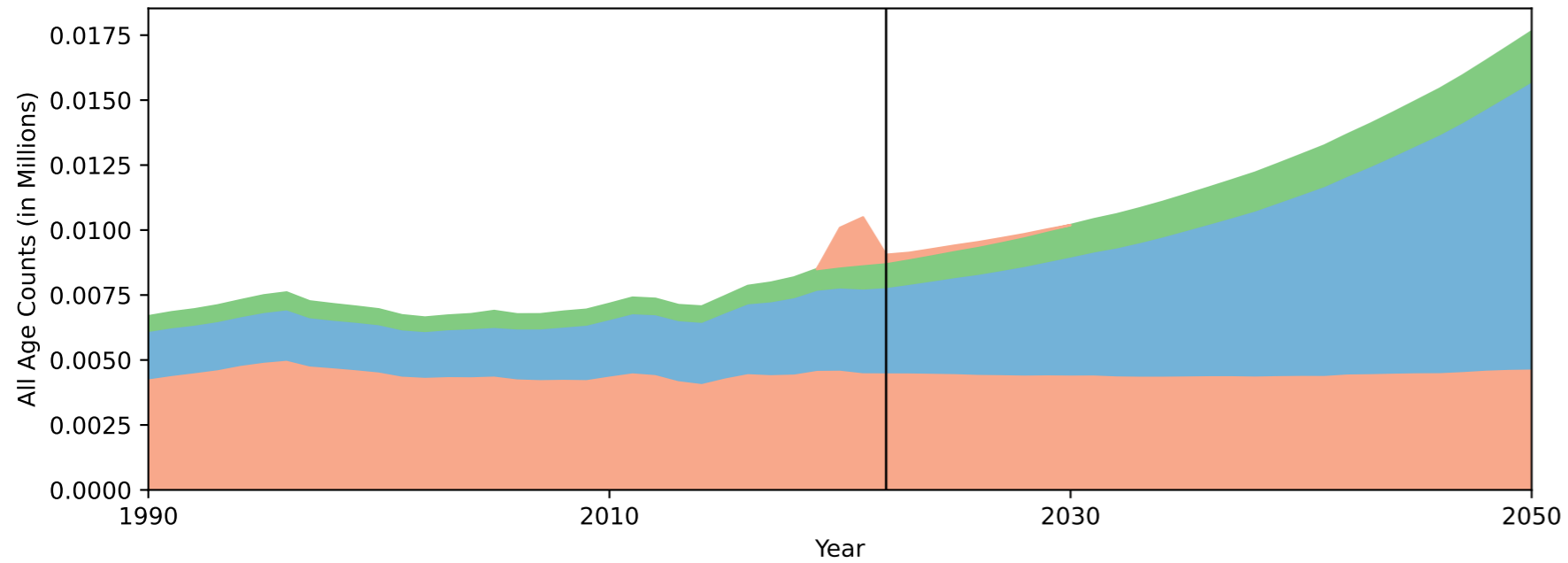
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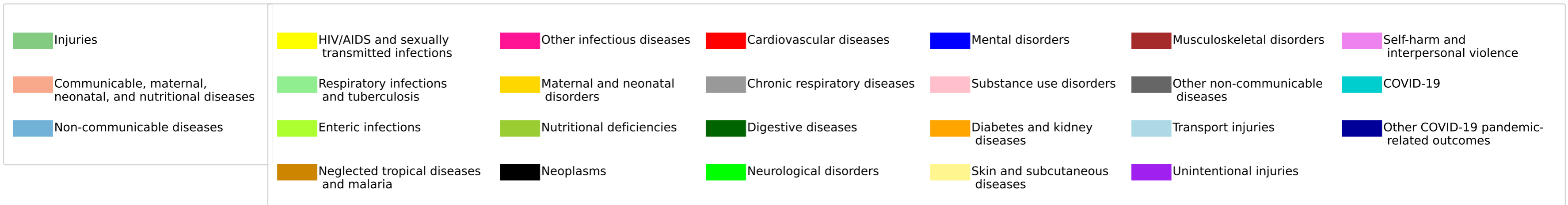
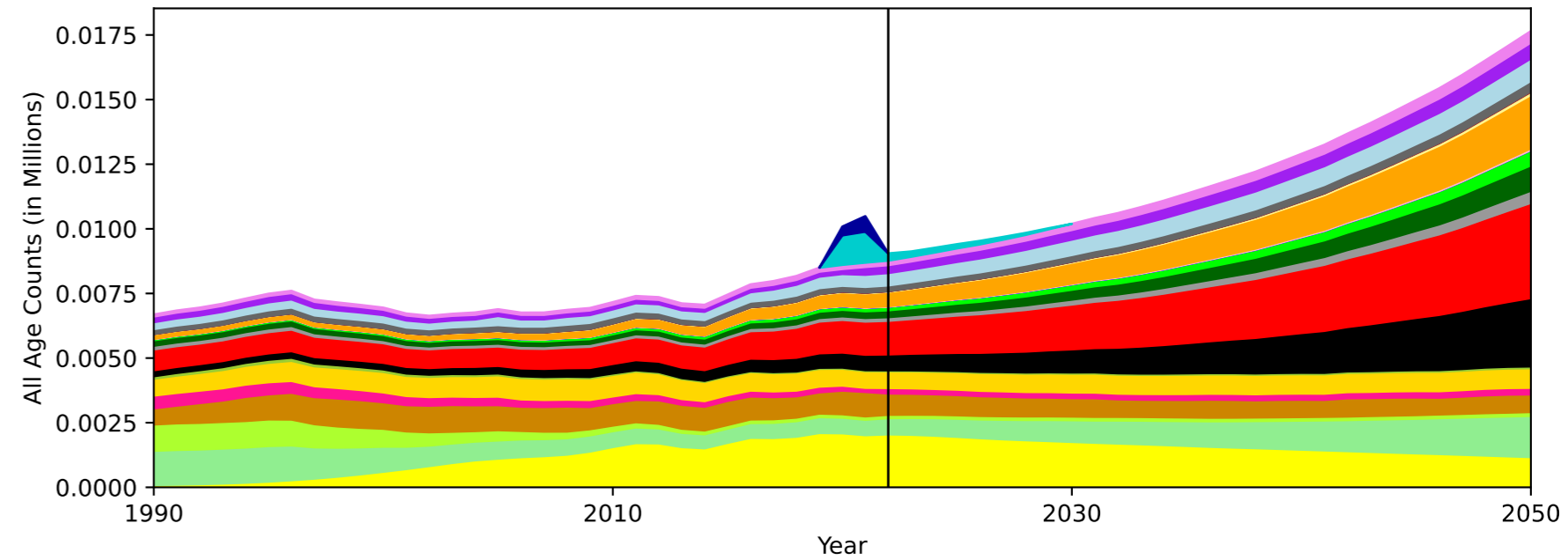
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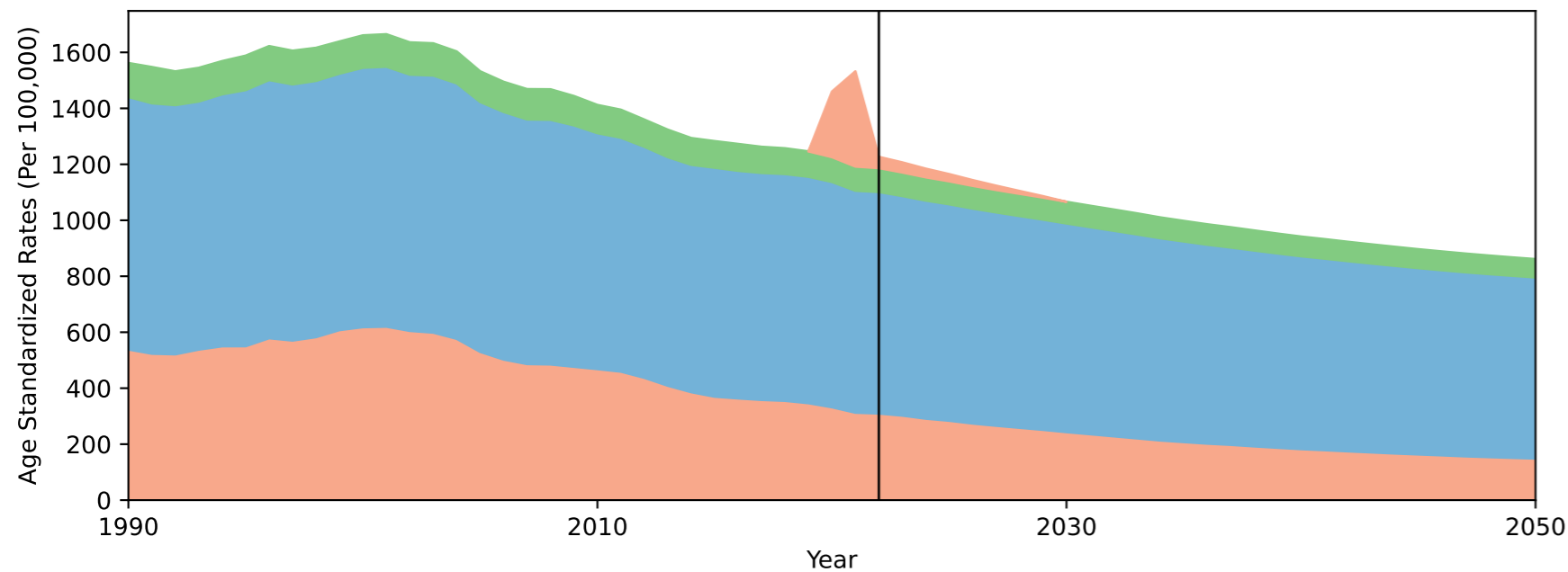
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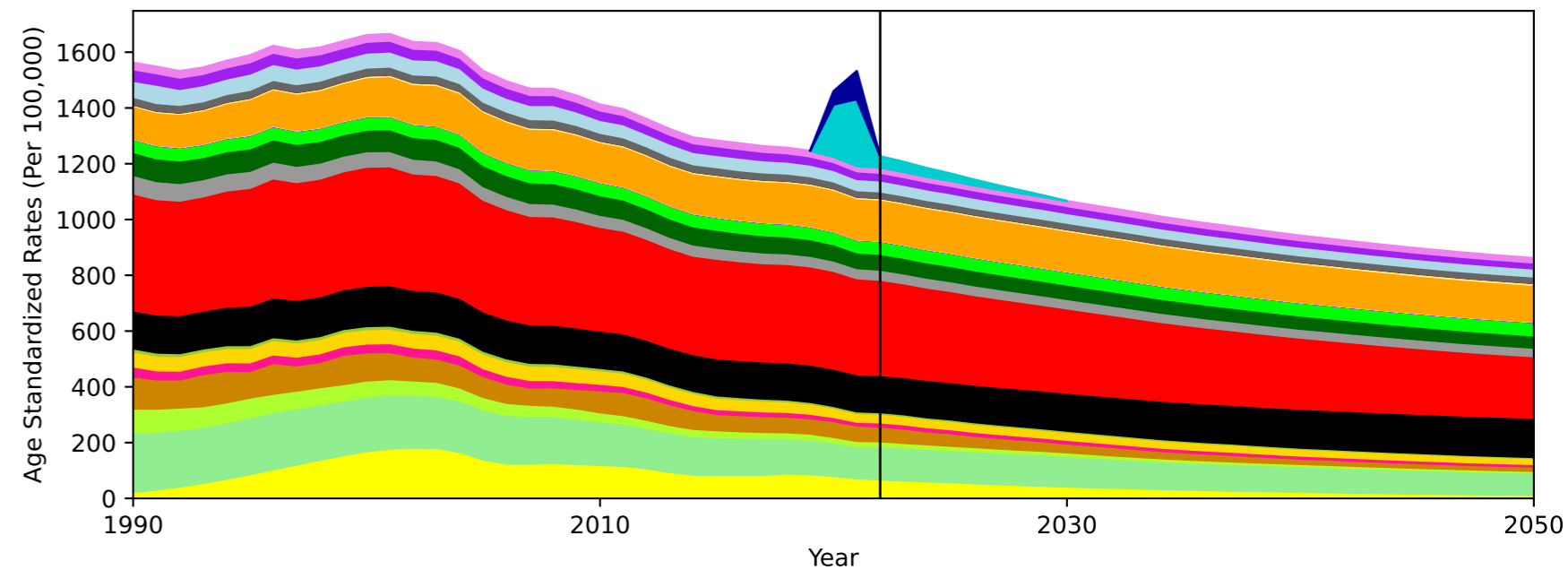
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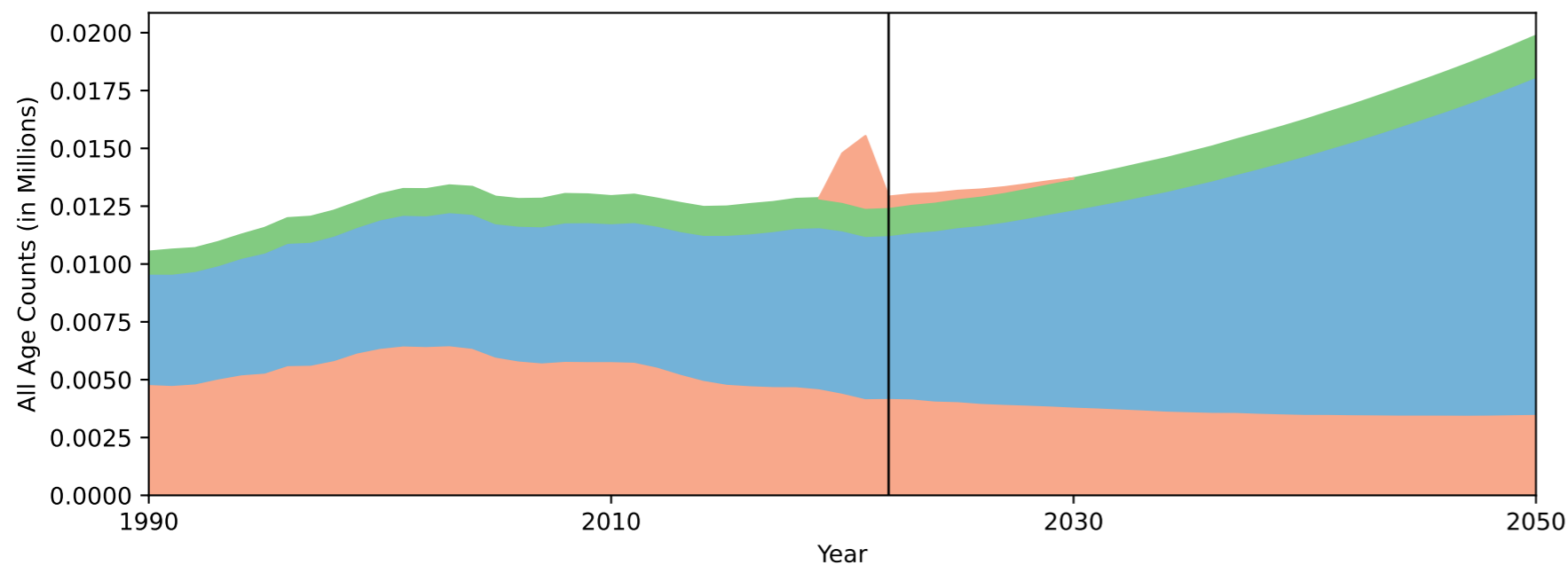
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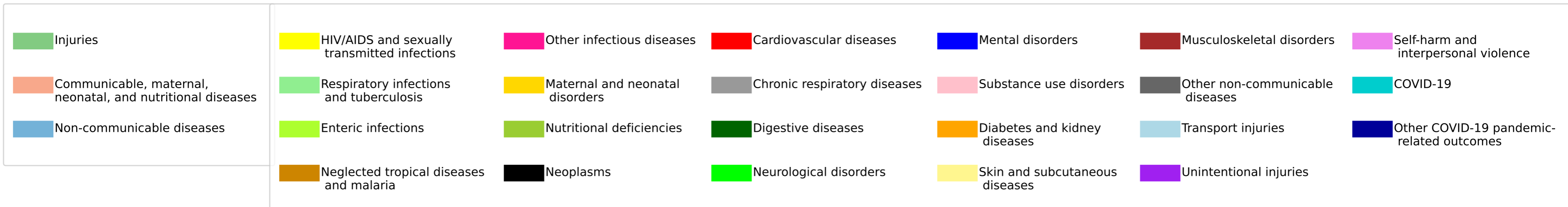
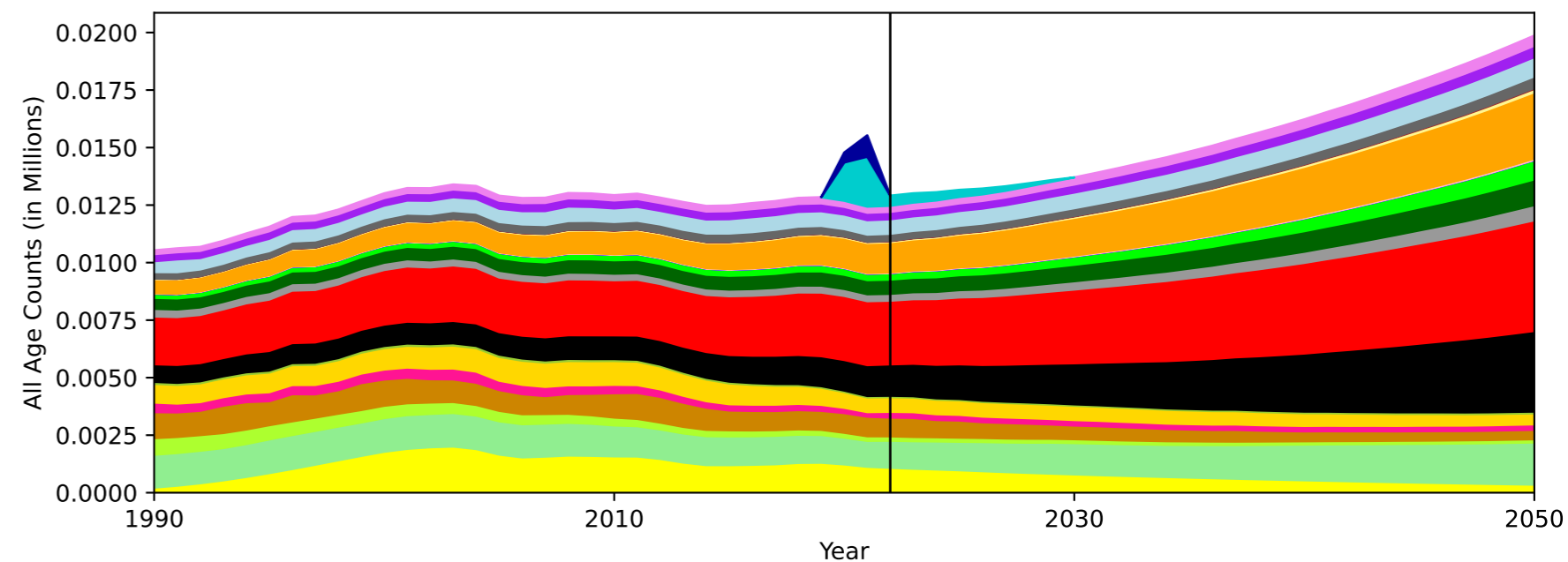
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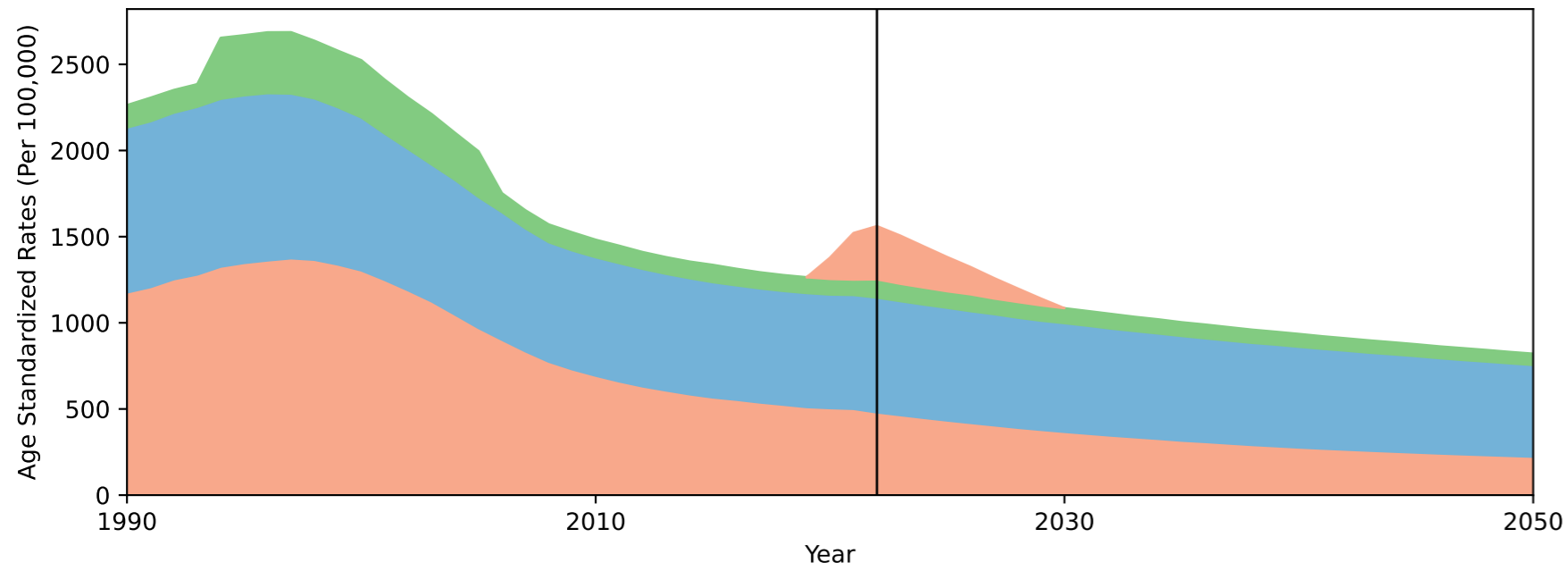


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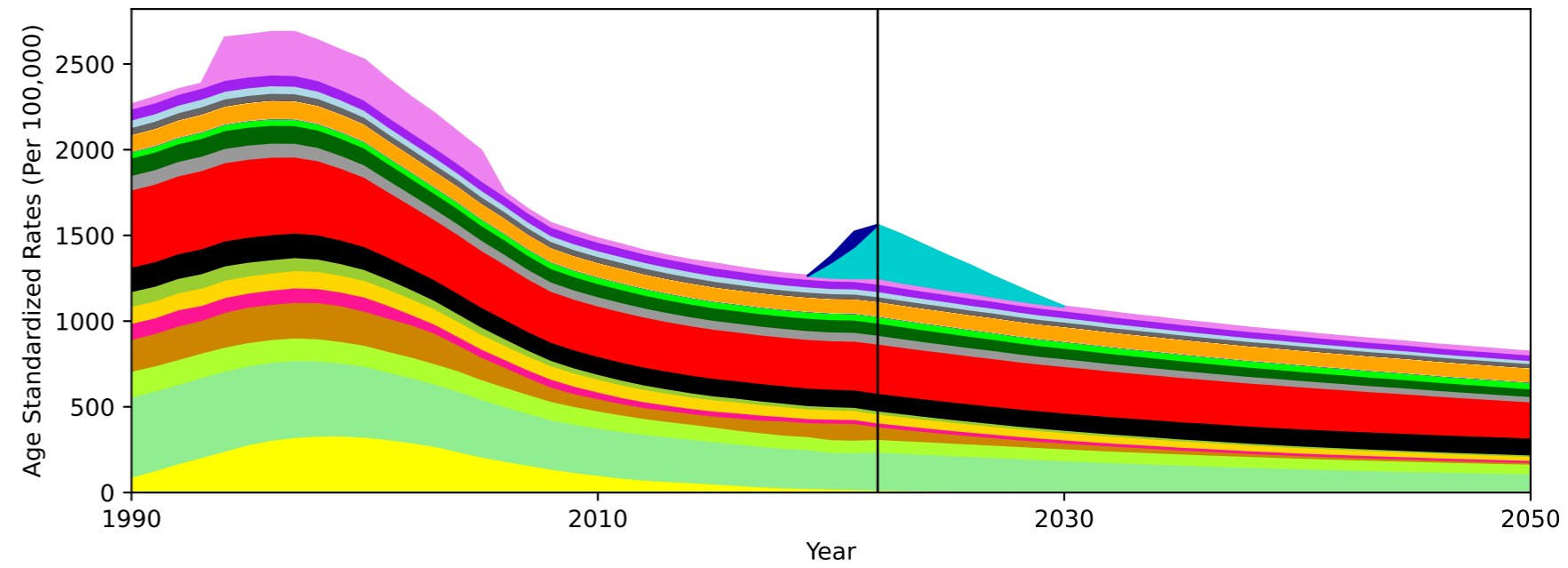


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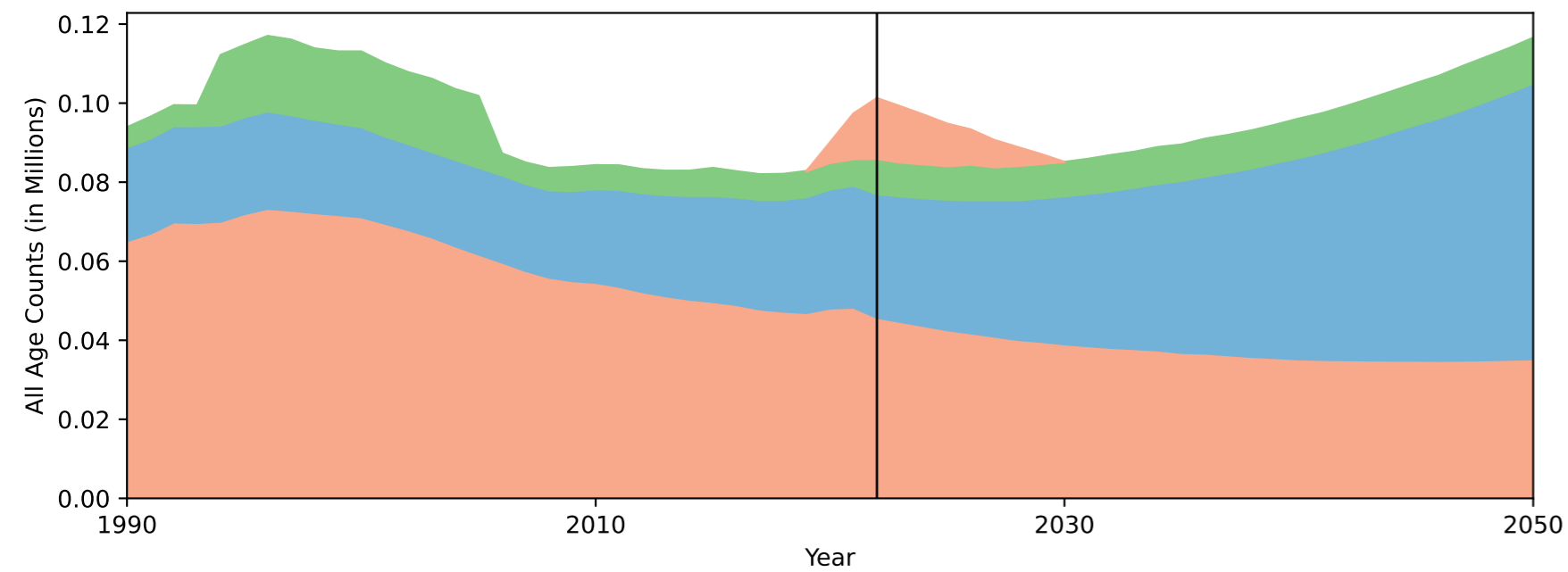
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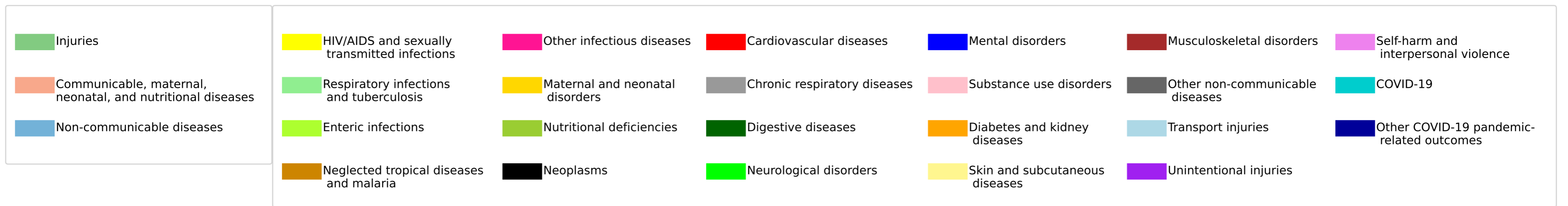
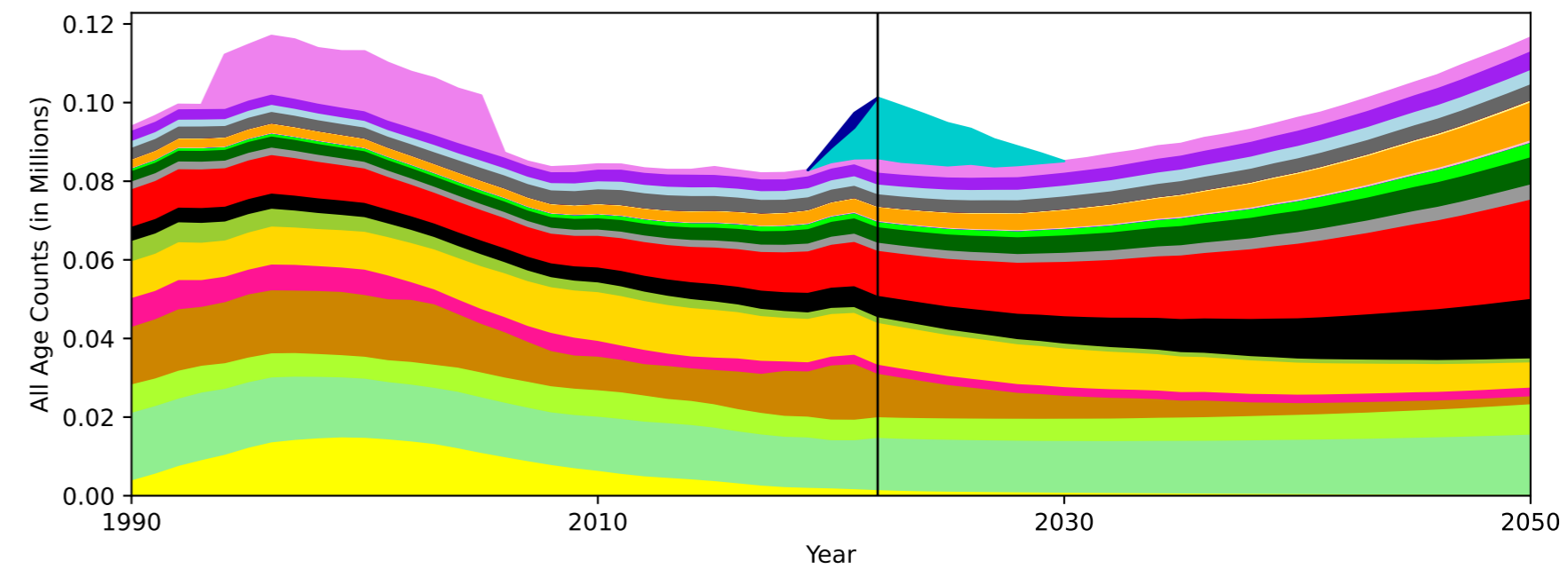
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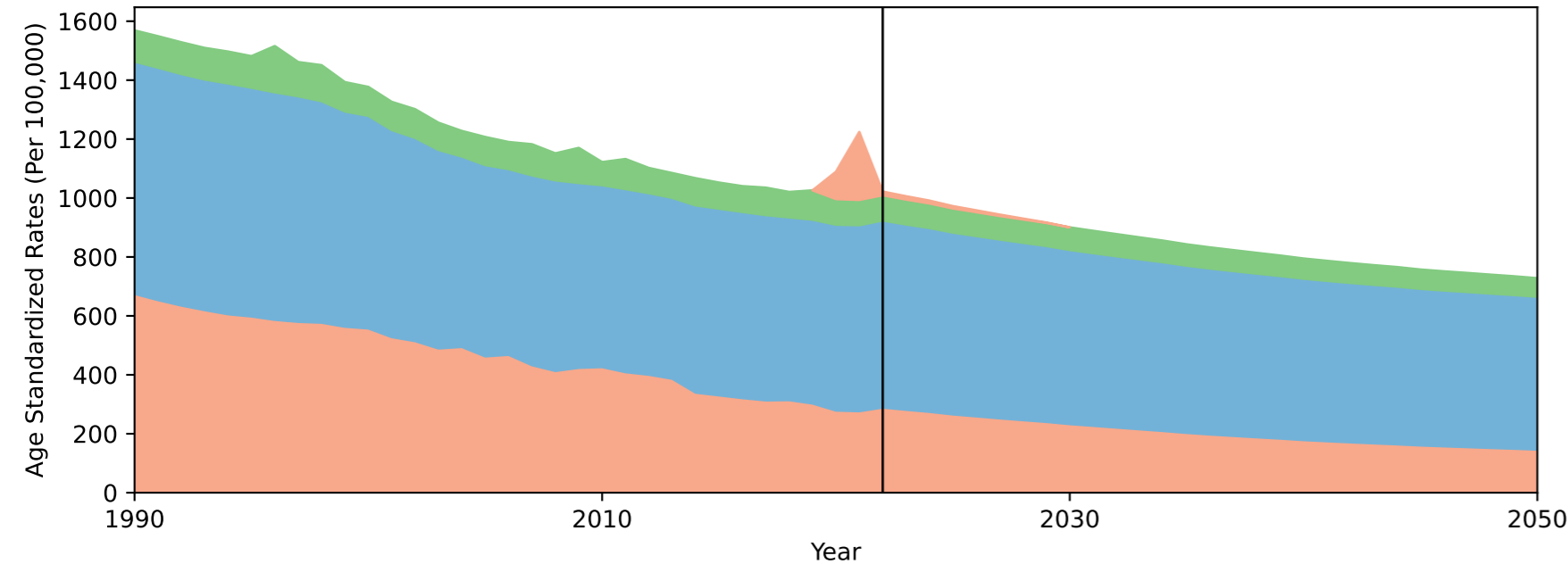


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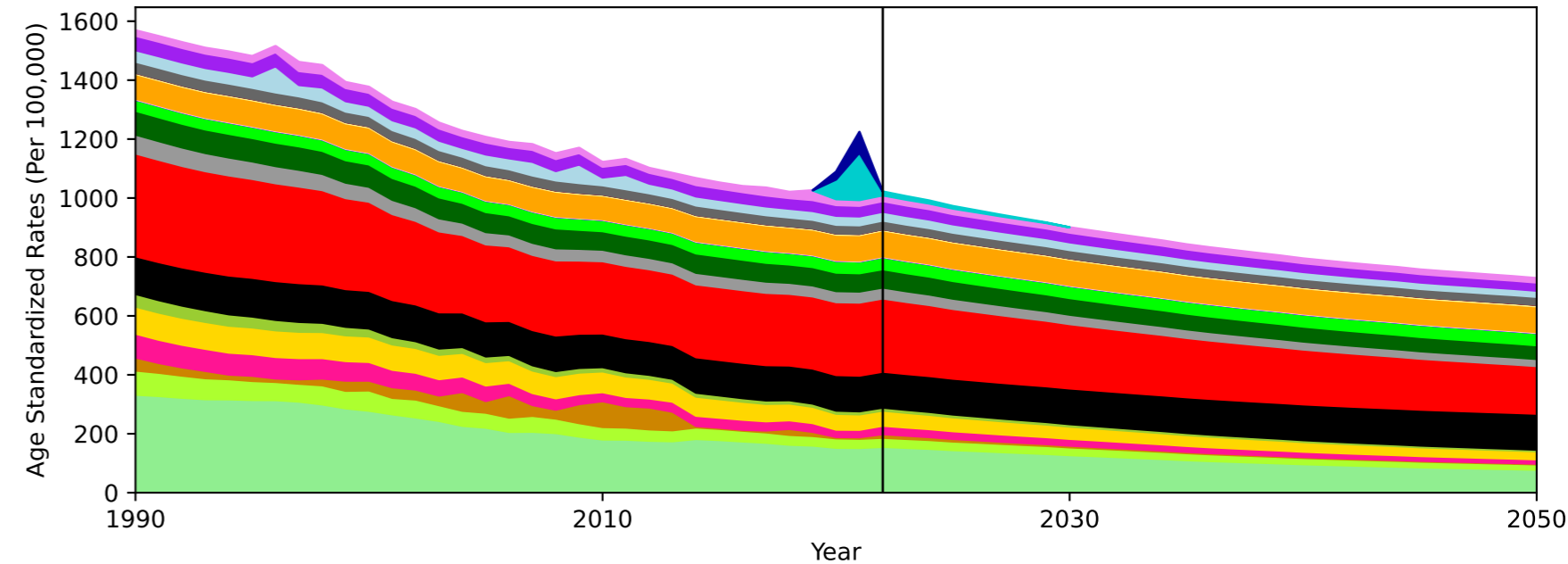


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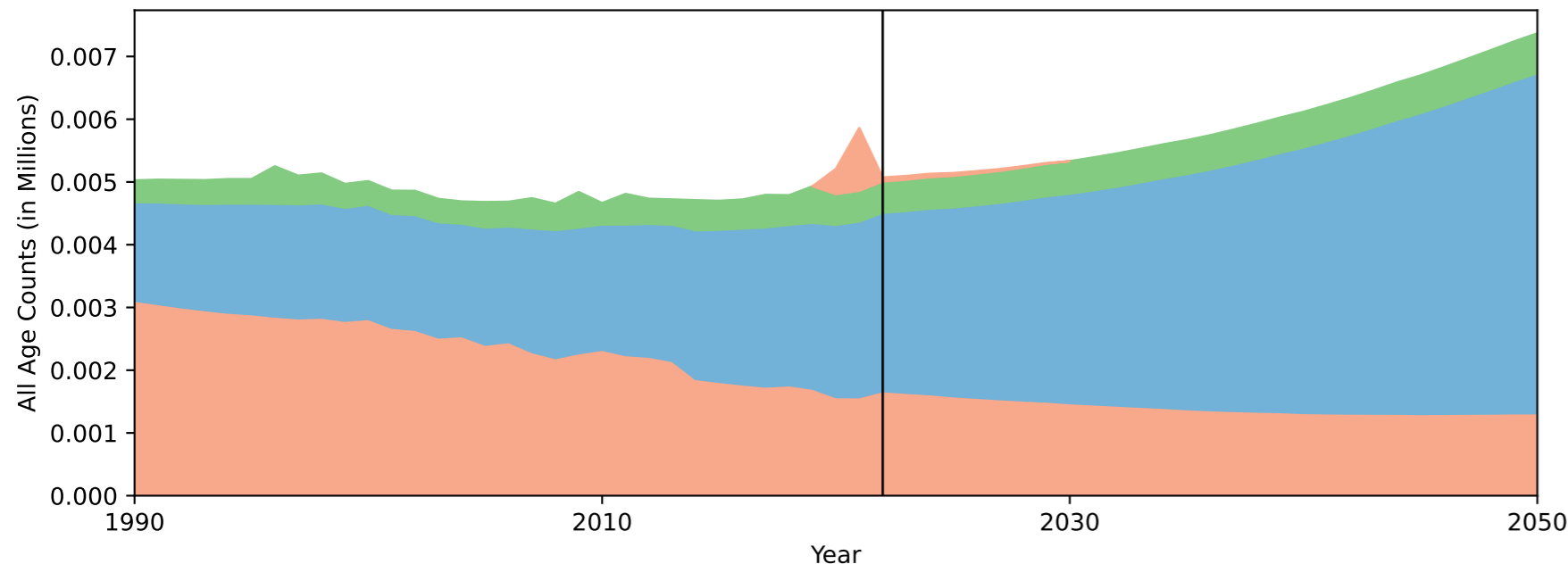
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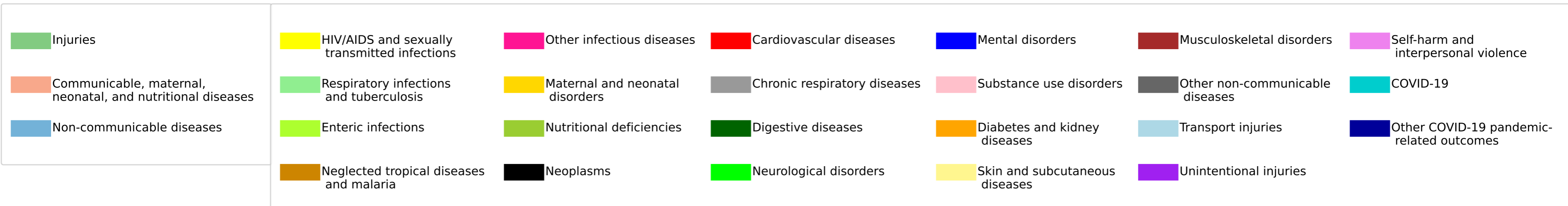
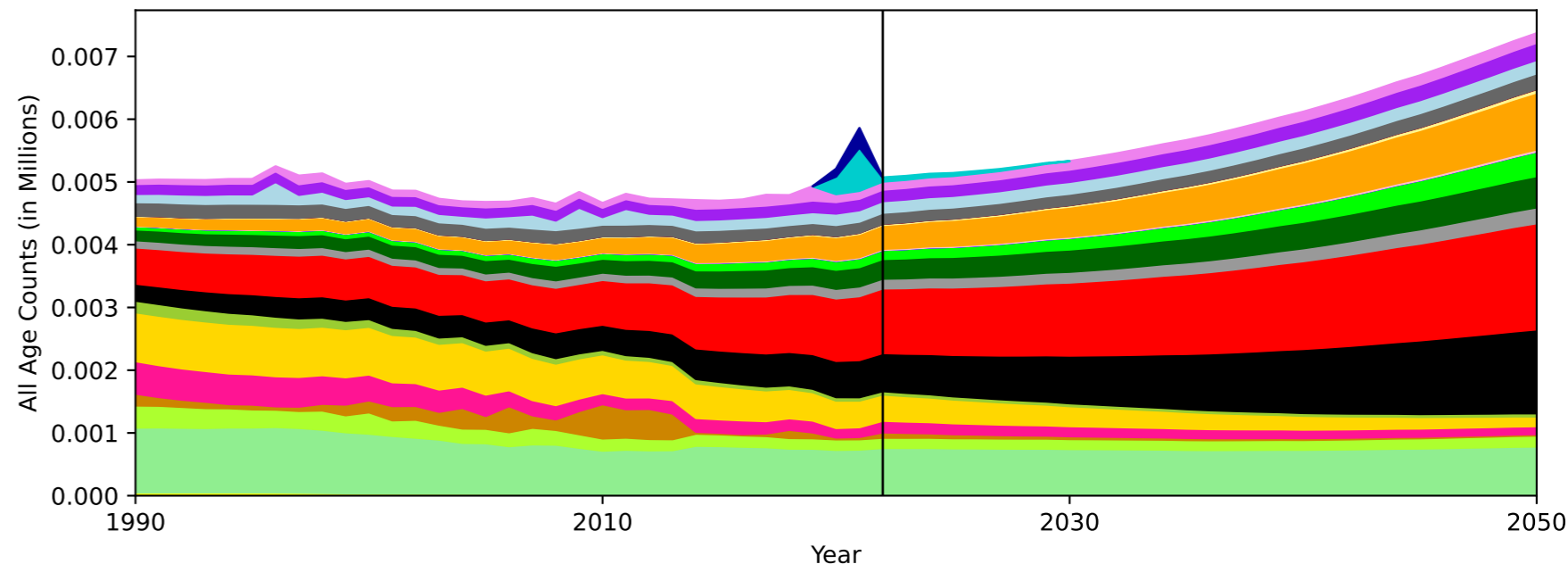
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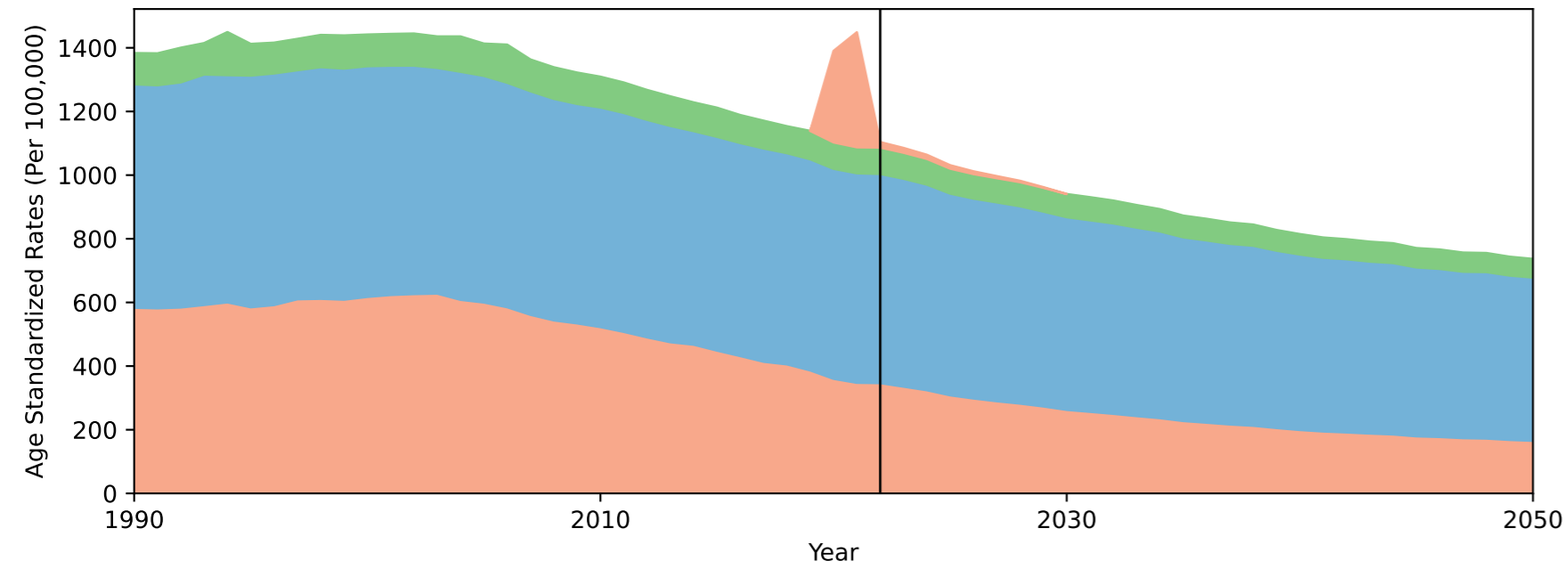


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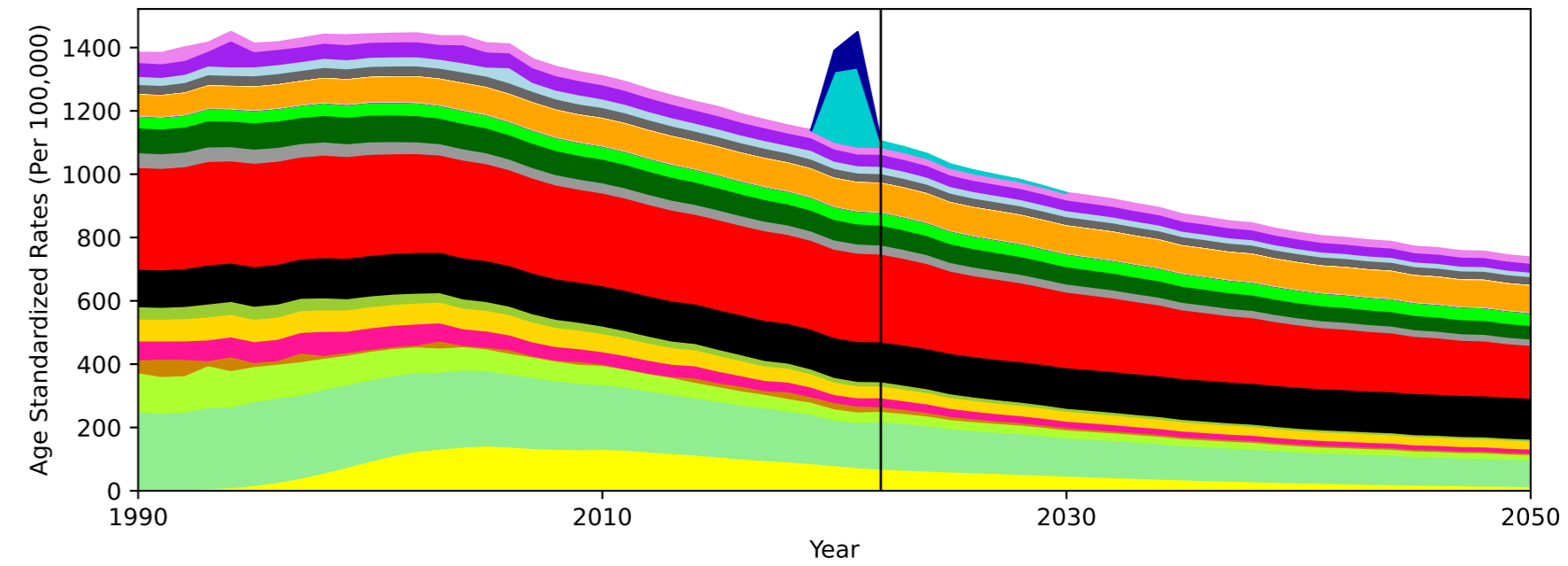


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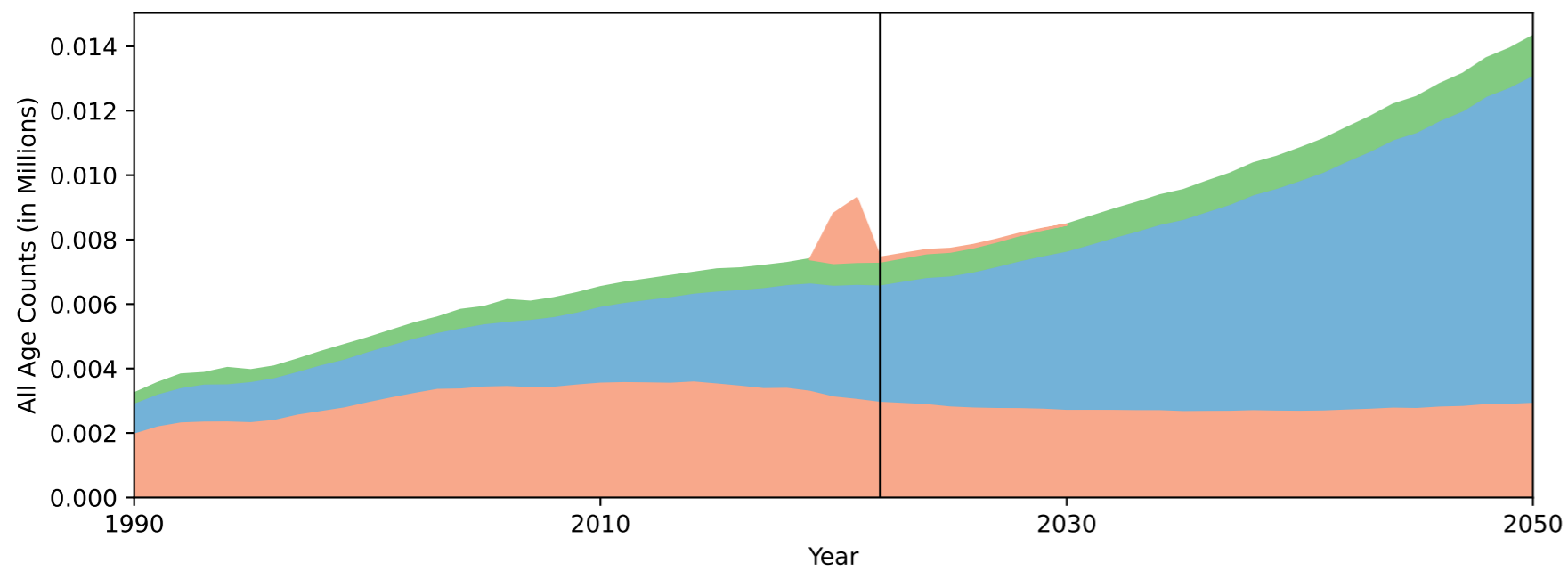
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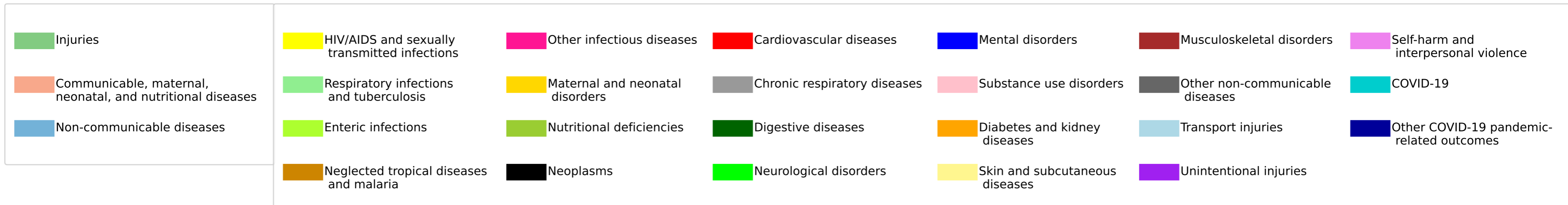
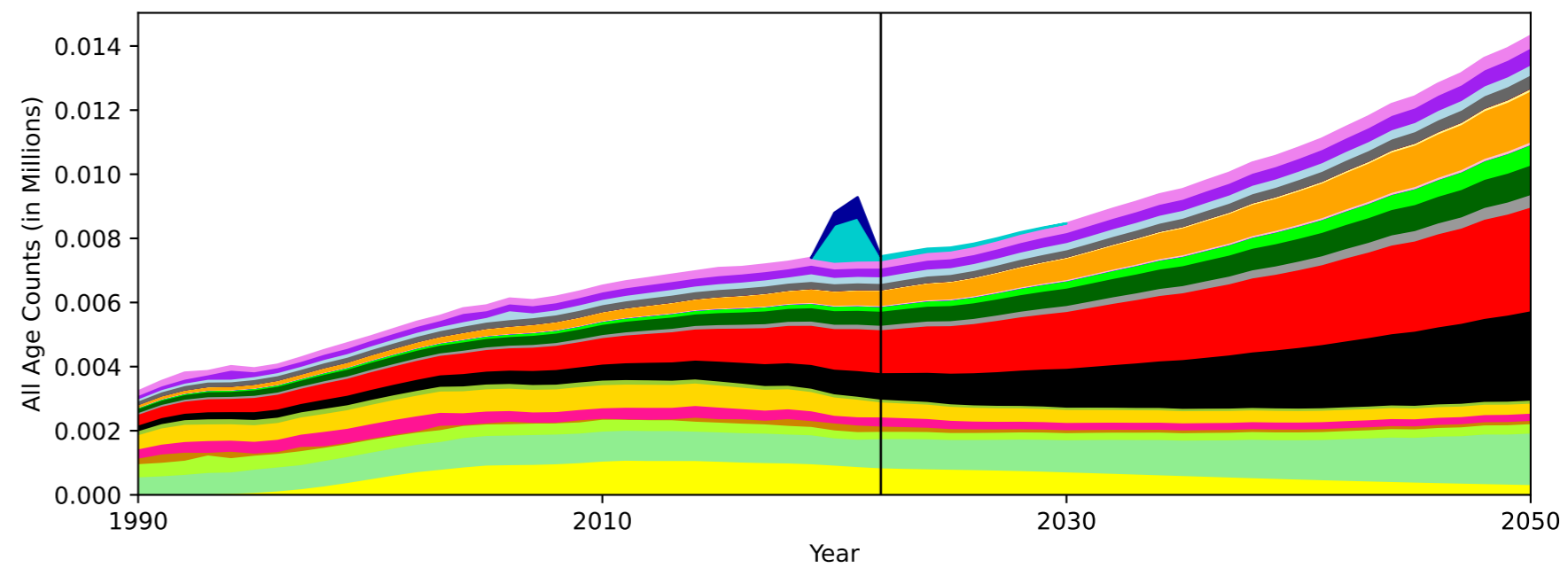
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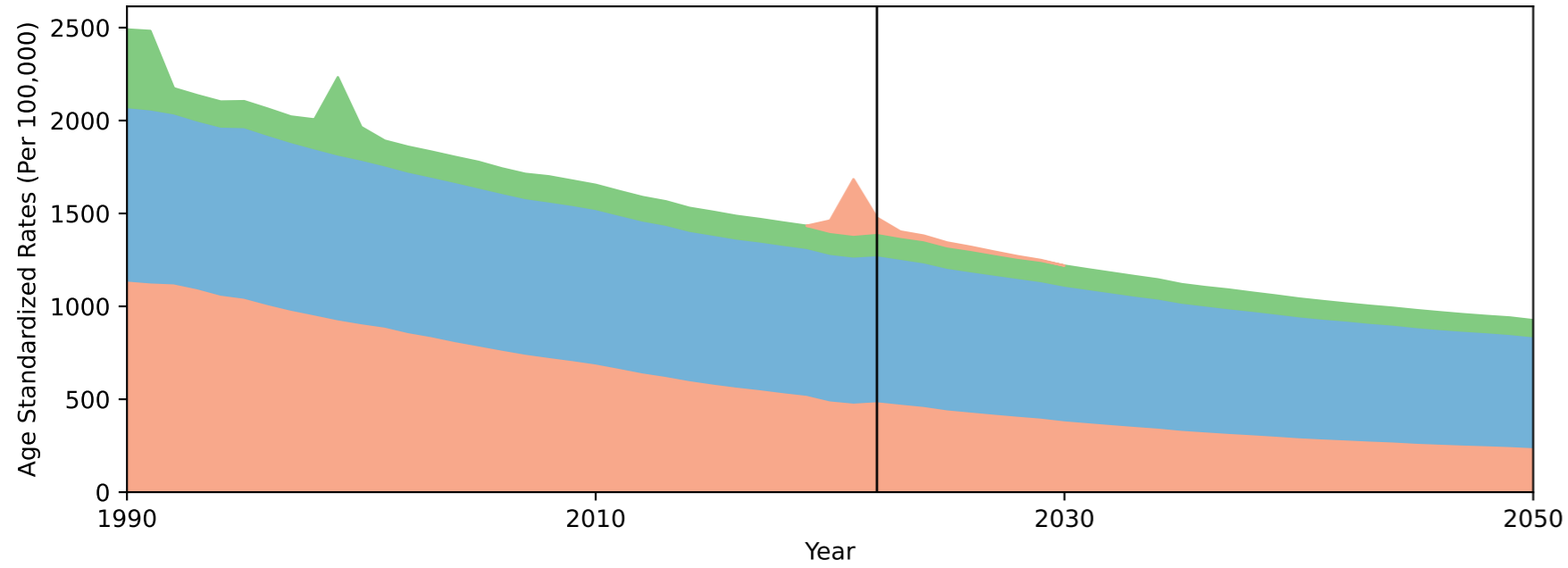
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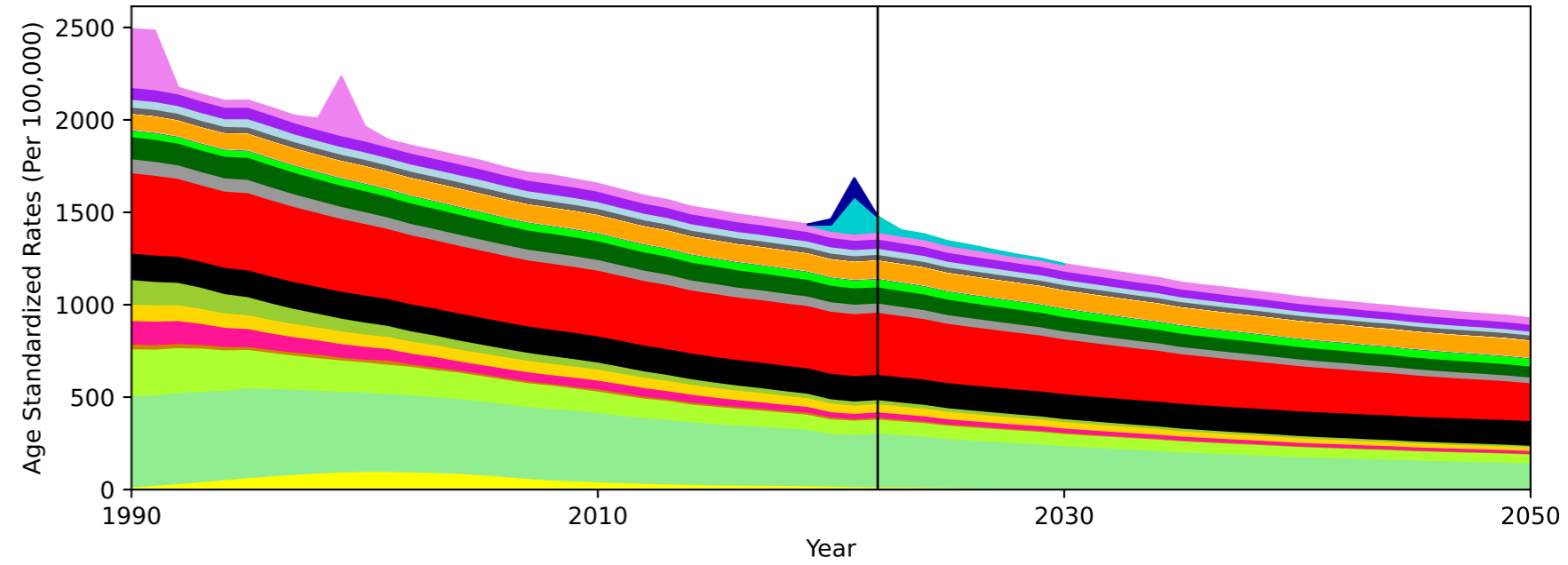
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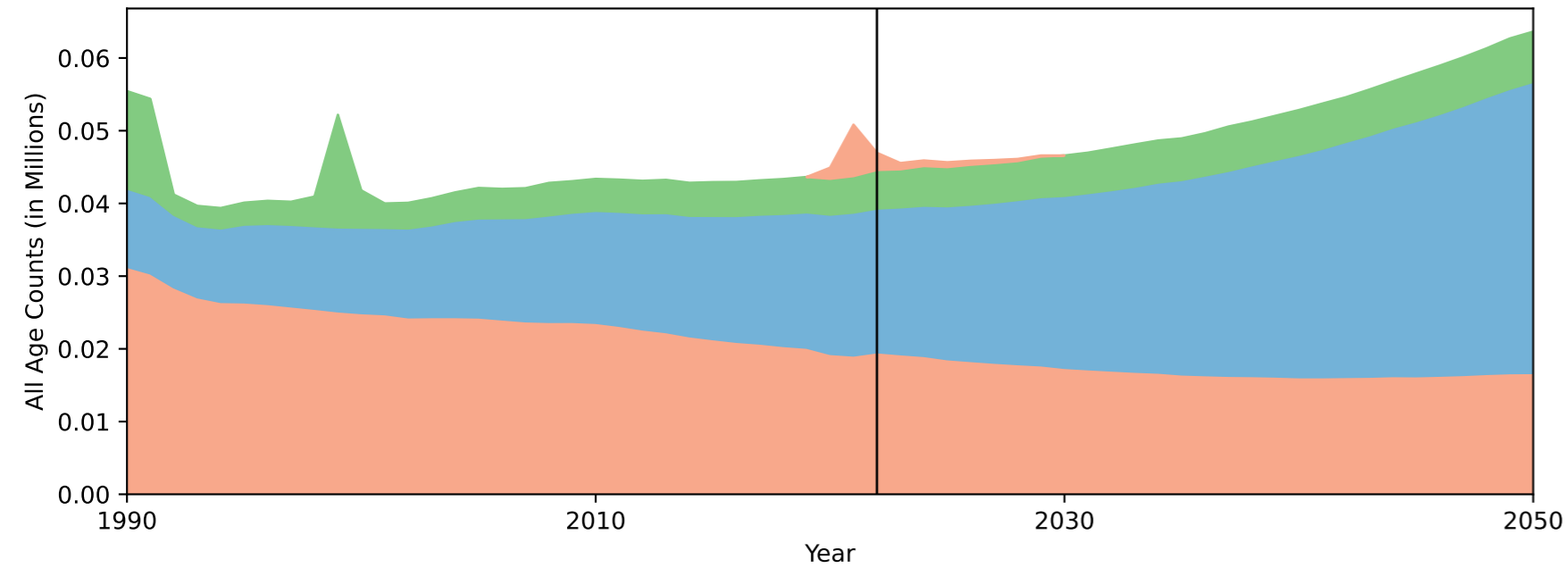
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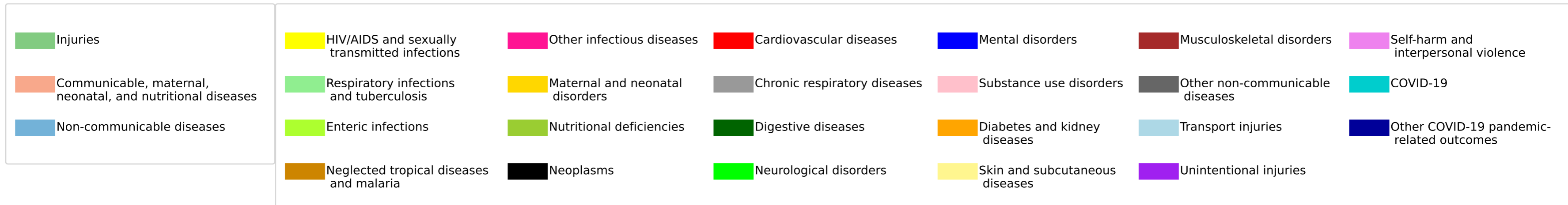
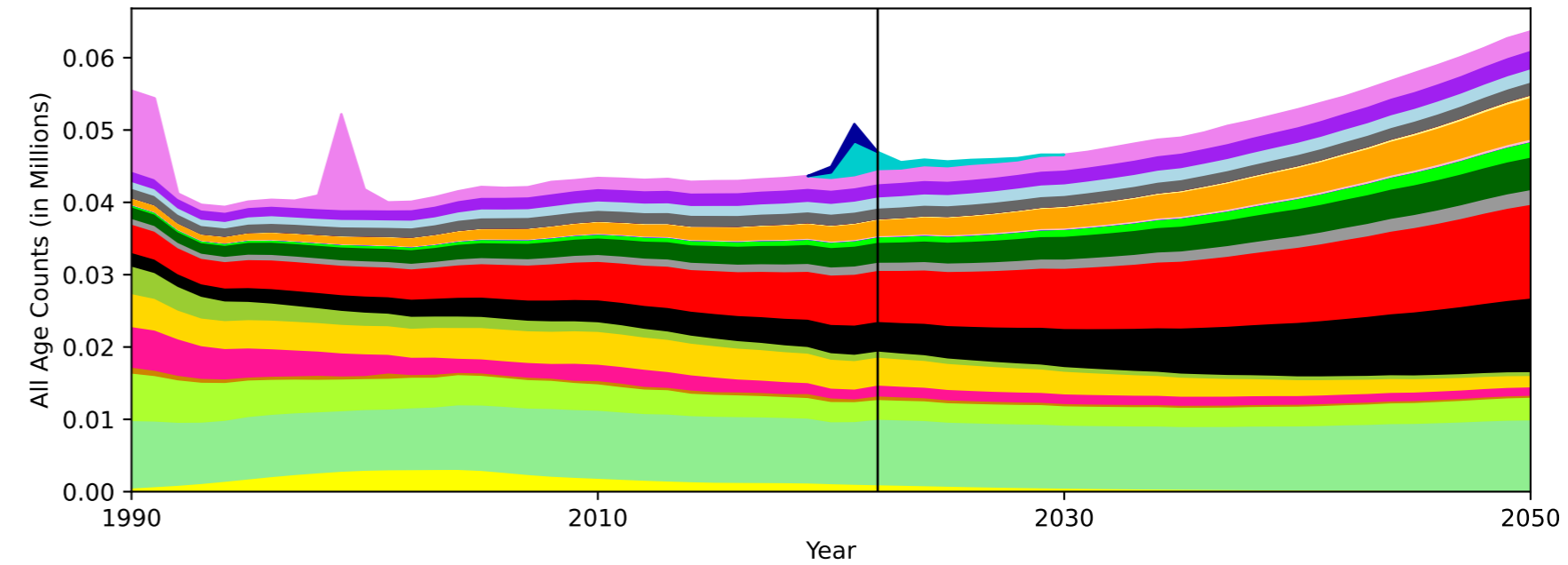
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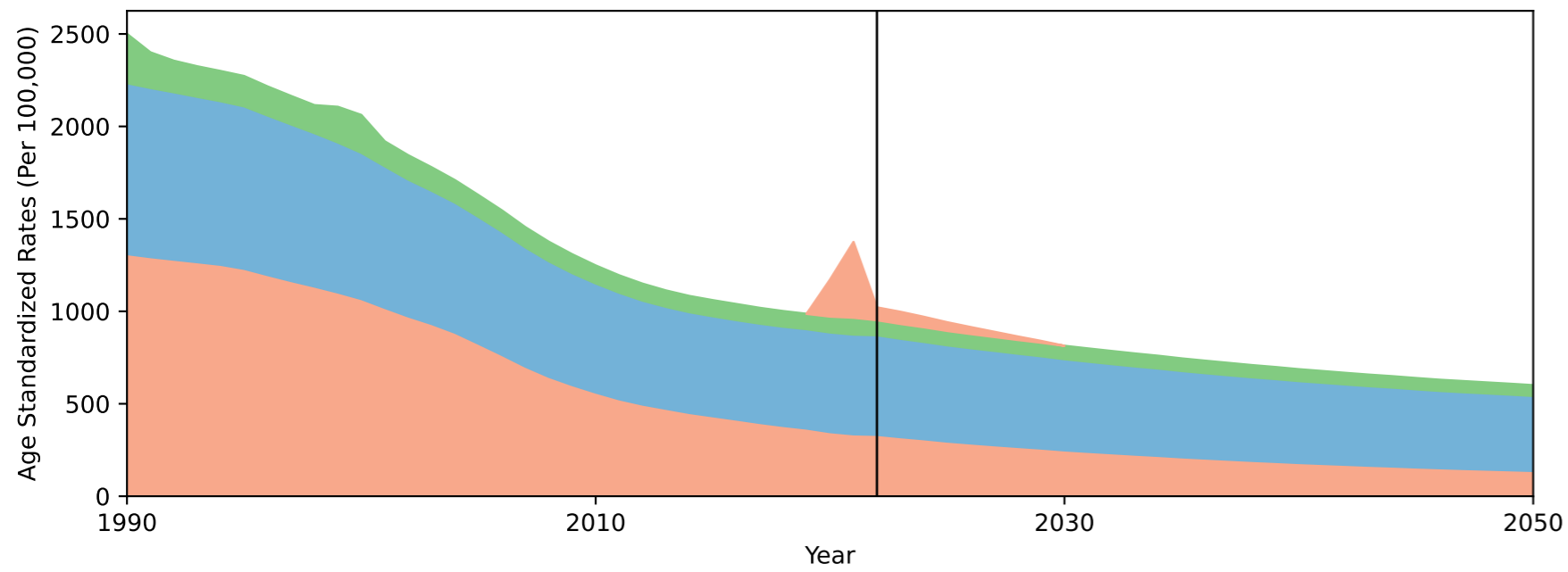


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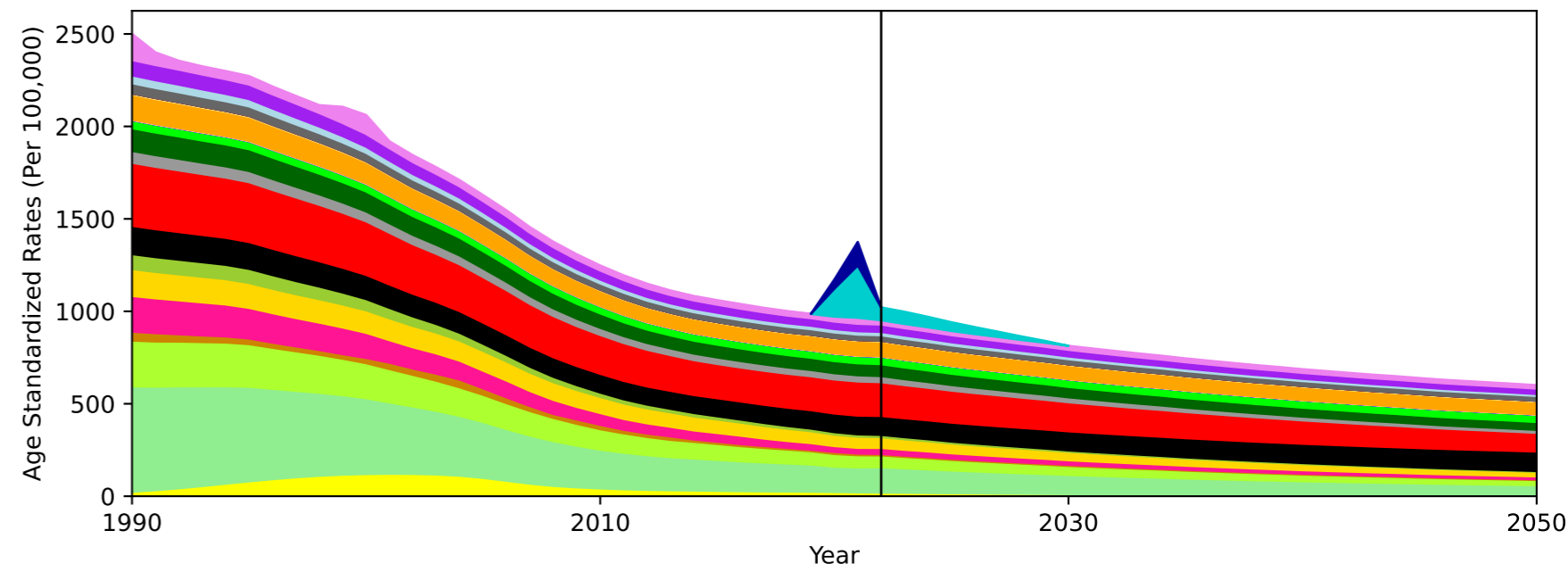


# Ethiopia

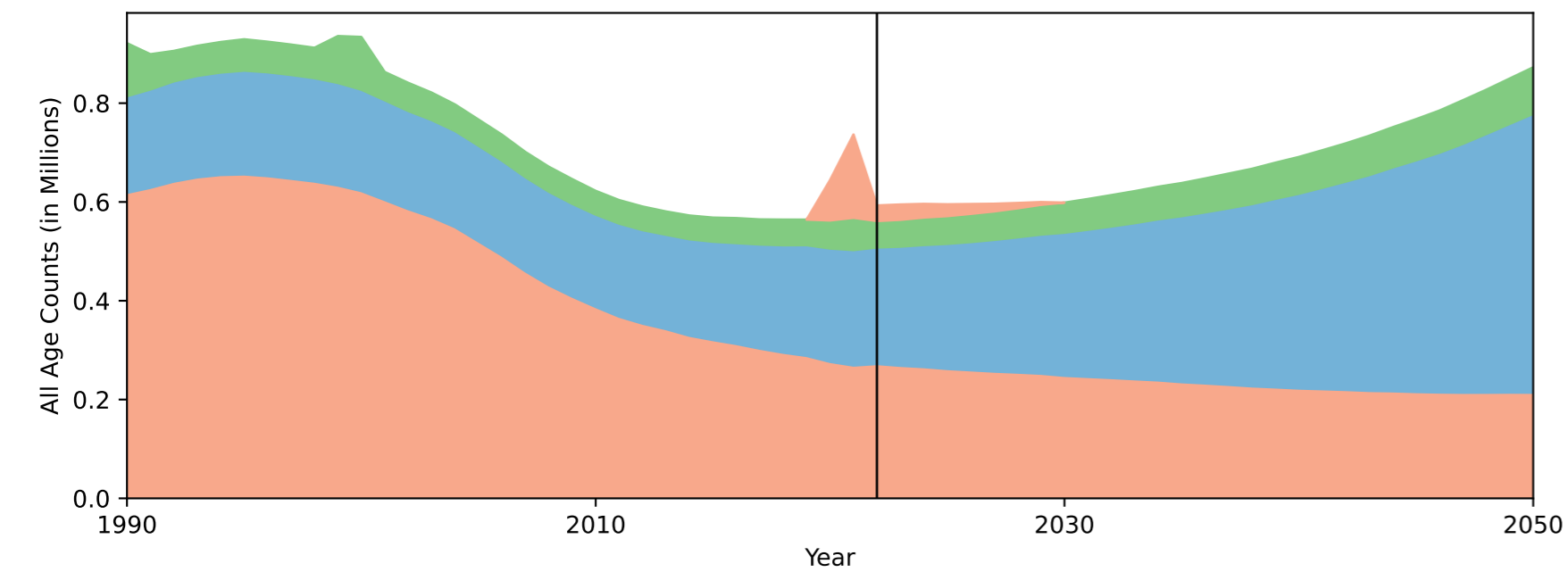
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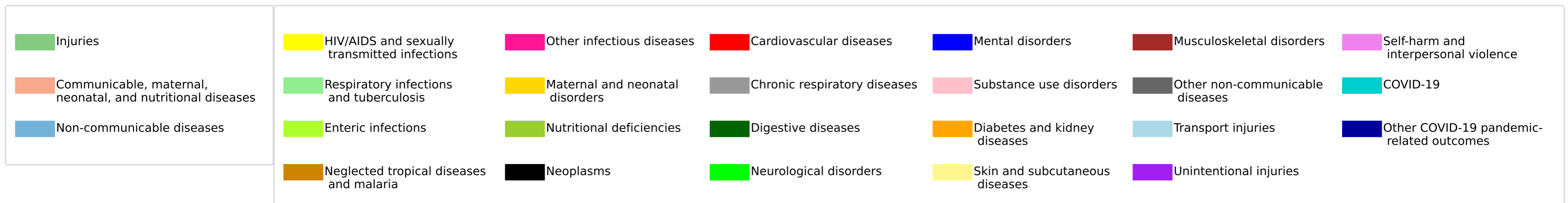
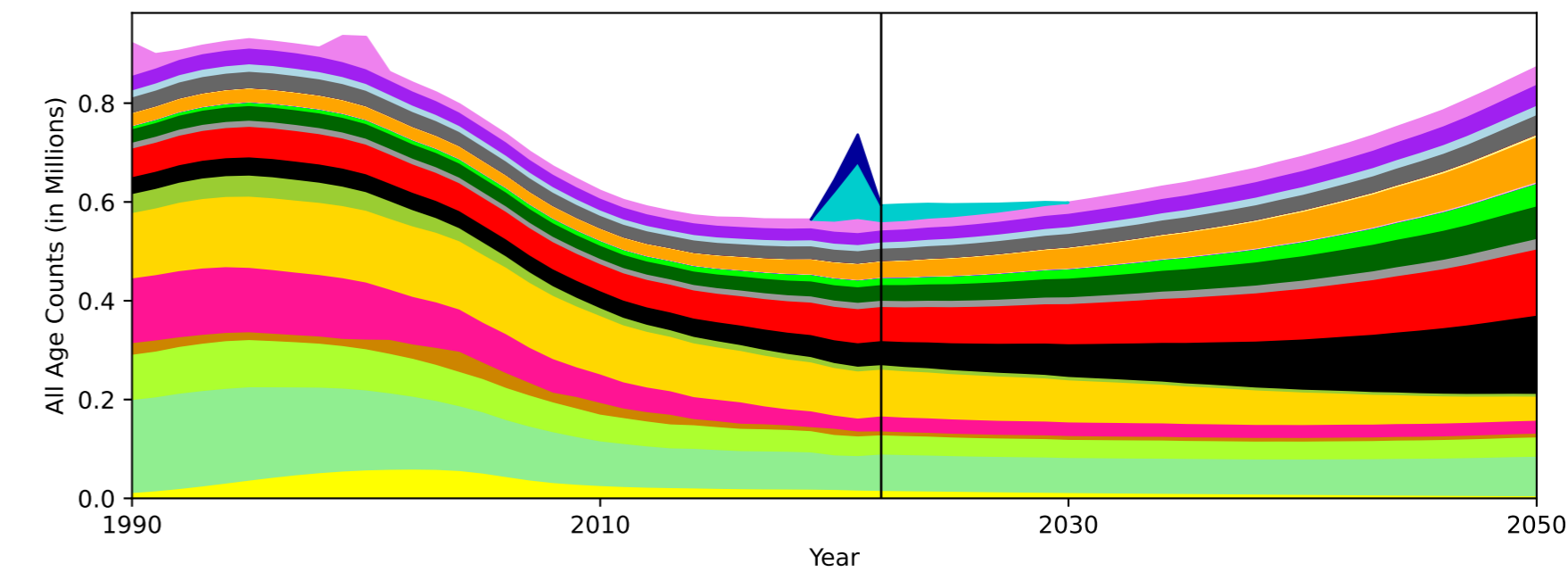
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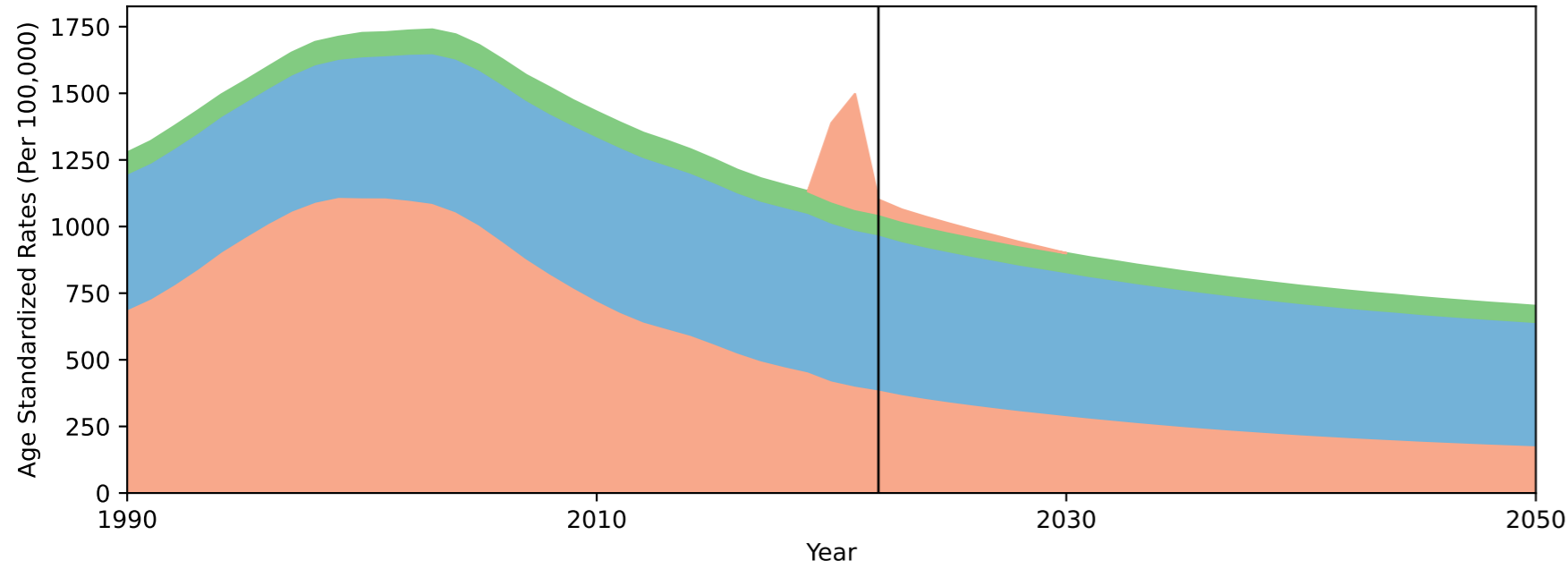
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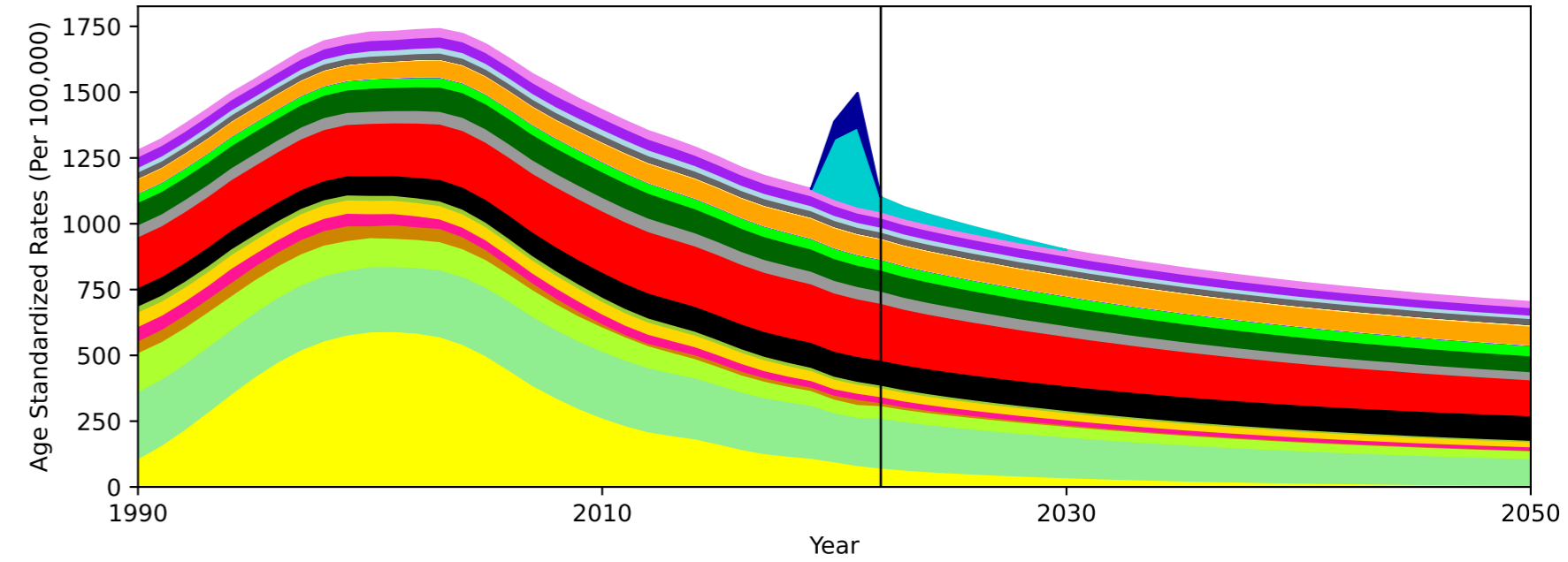
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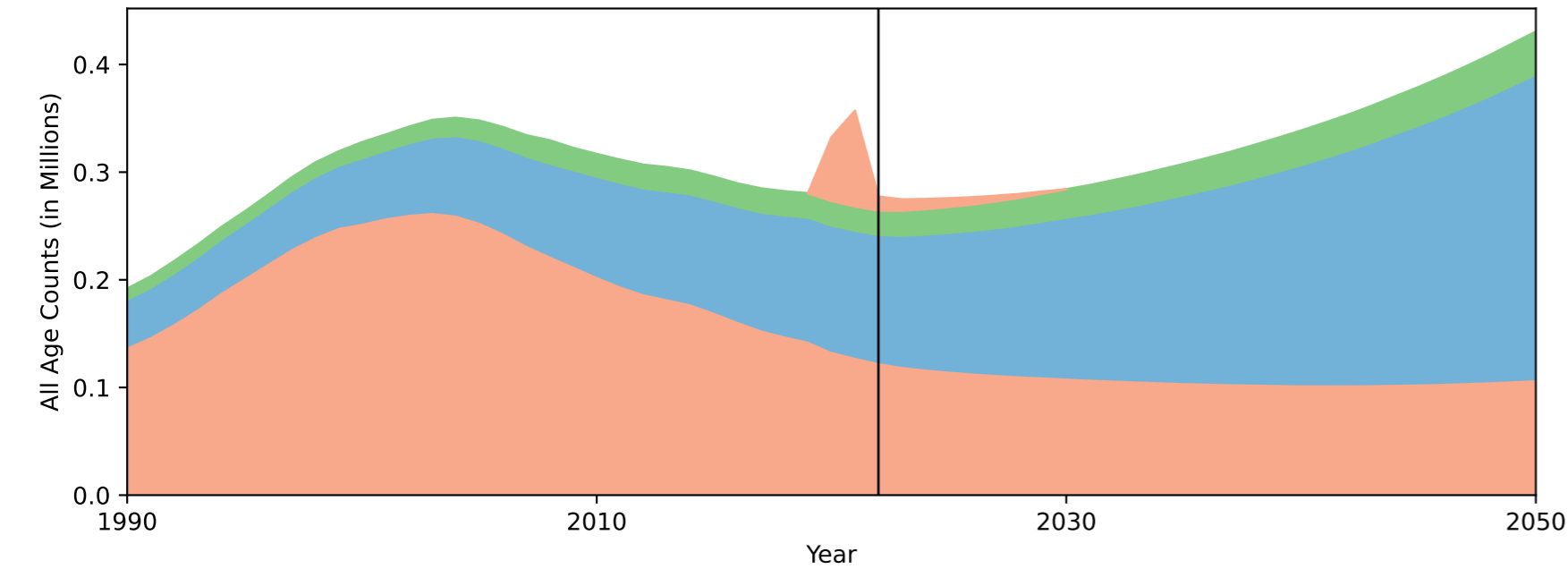
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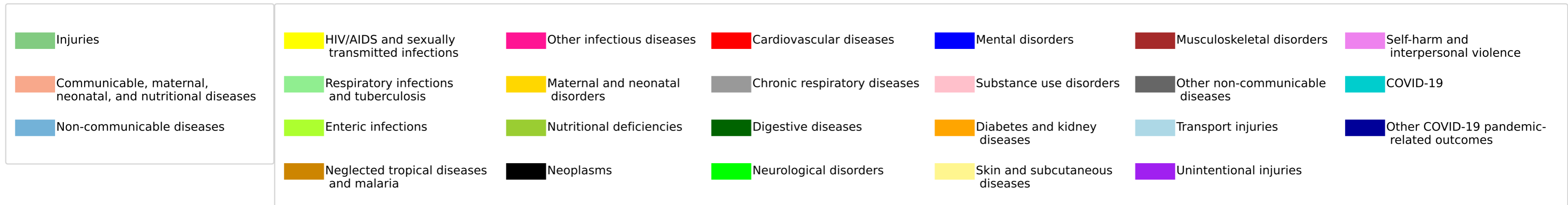
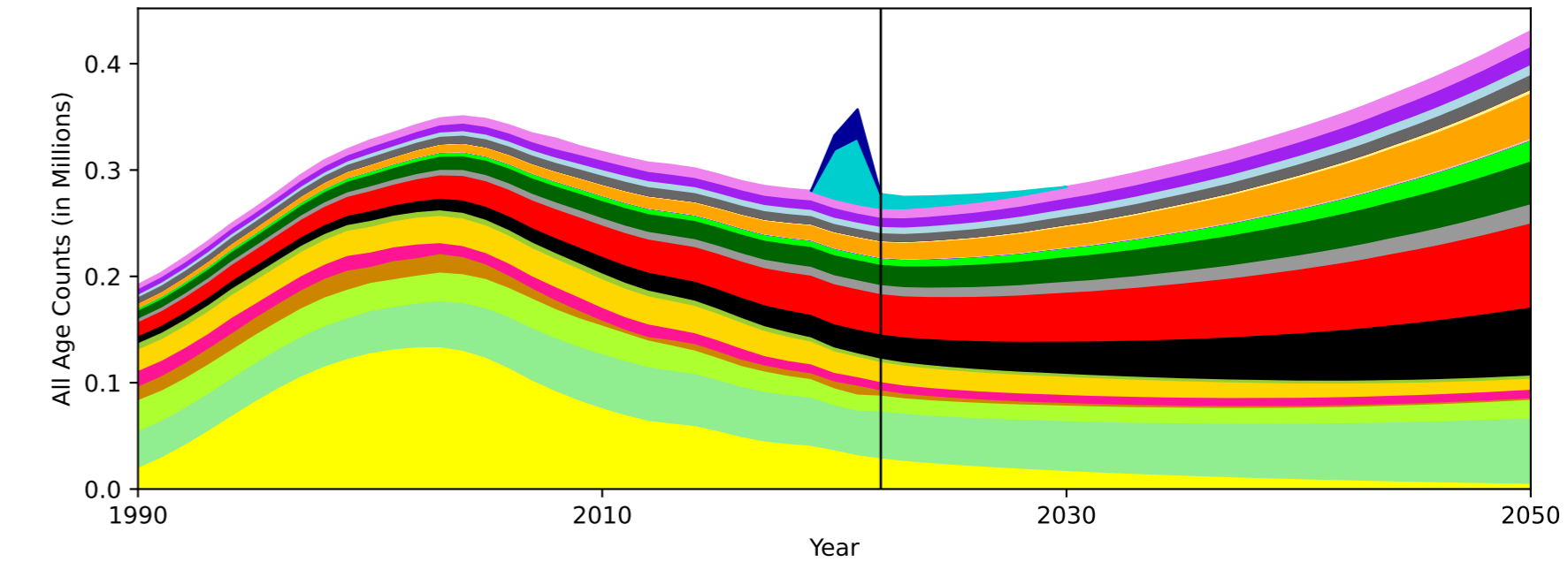
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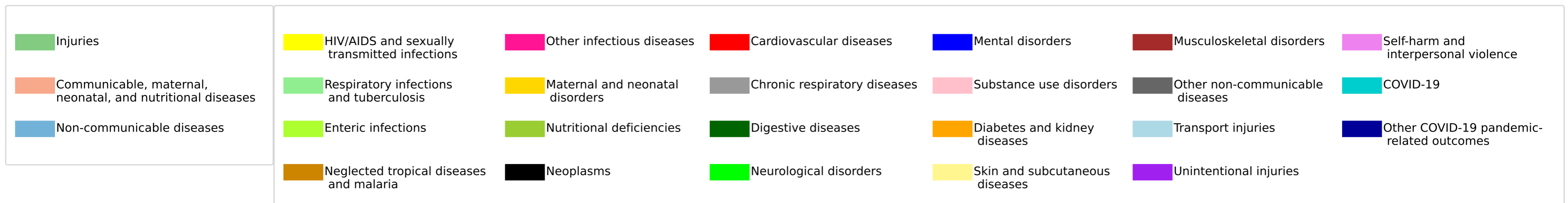
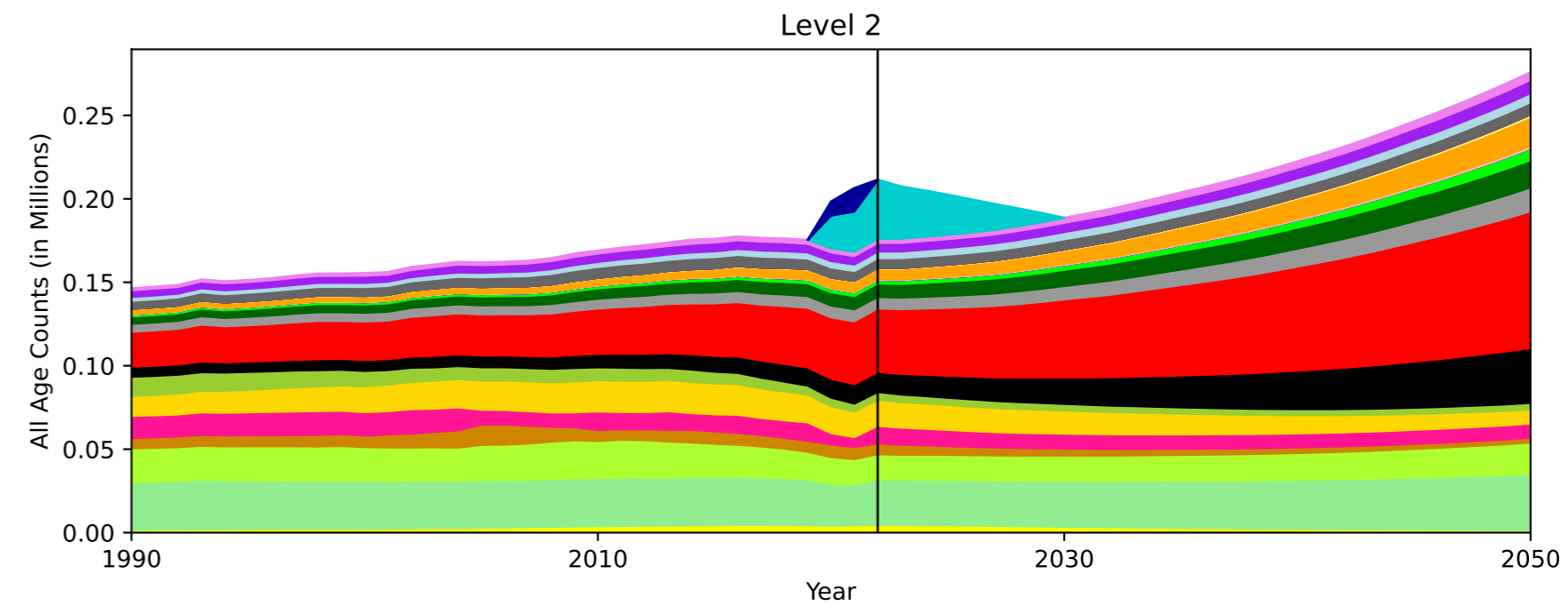
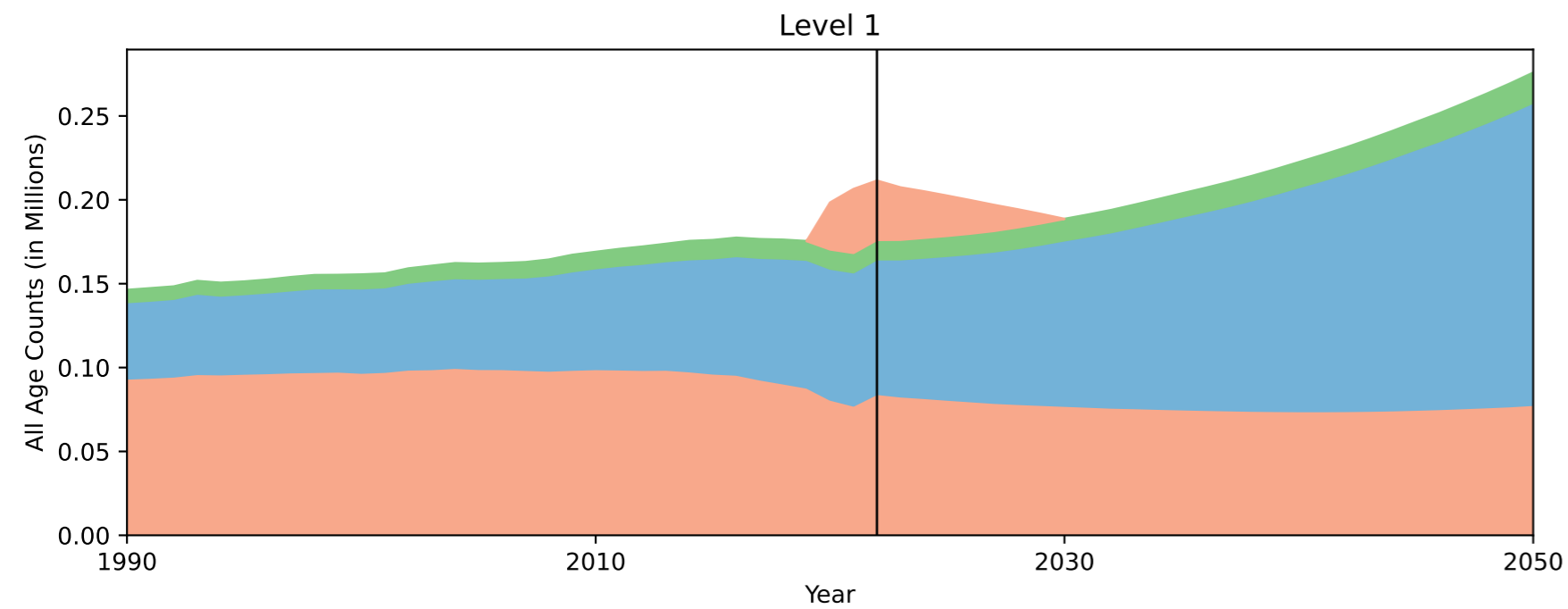
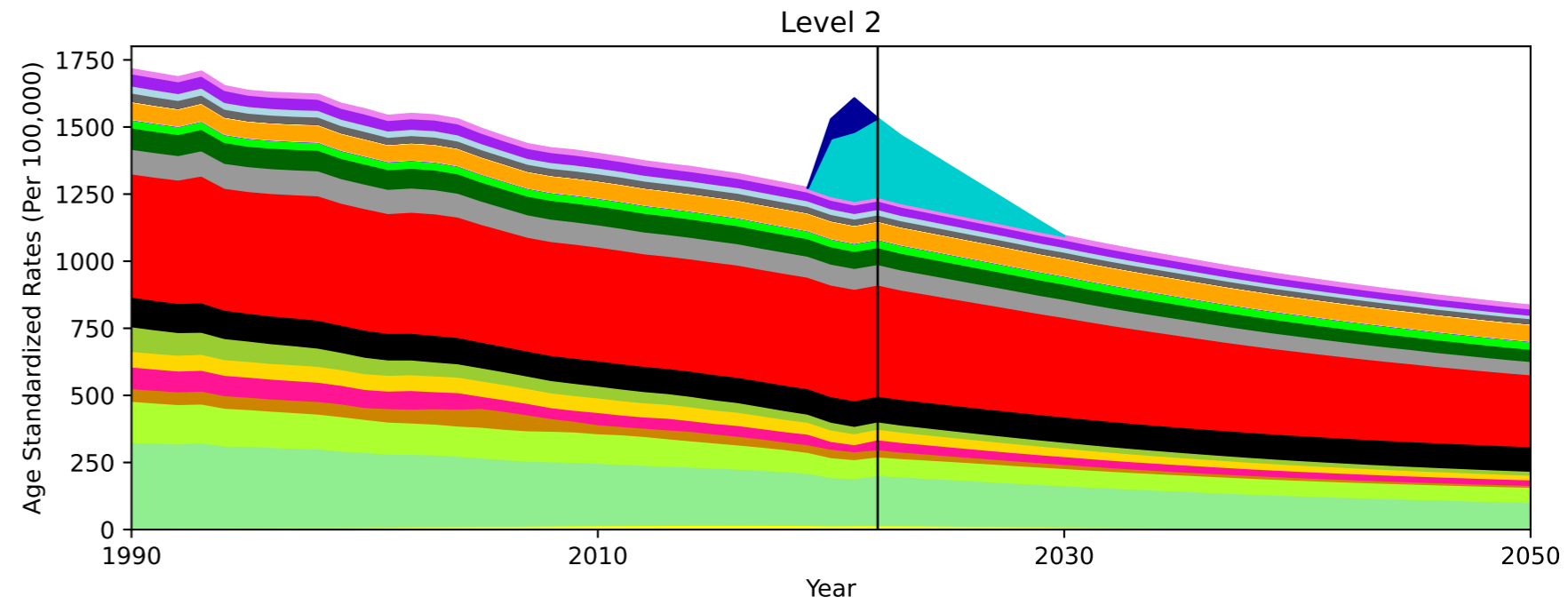
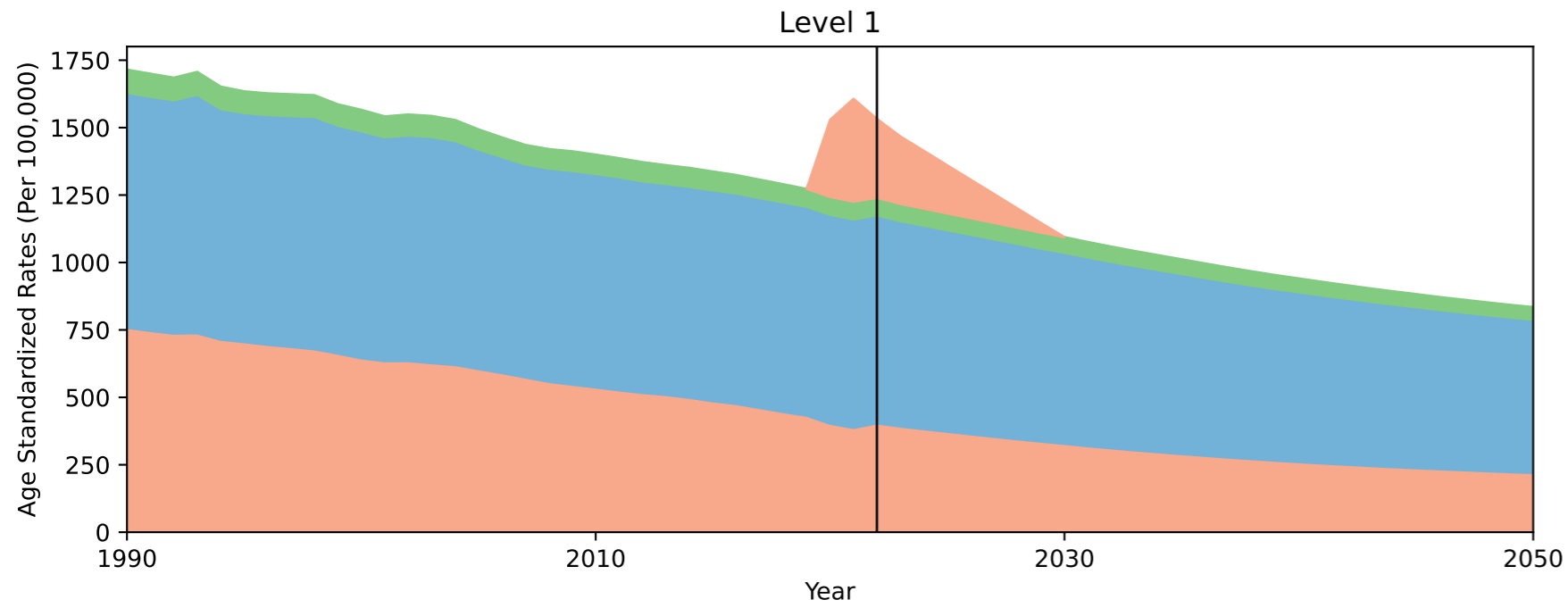




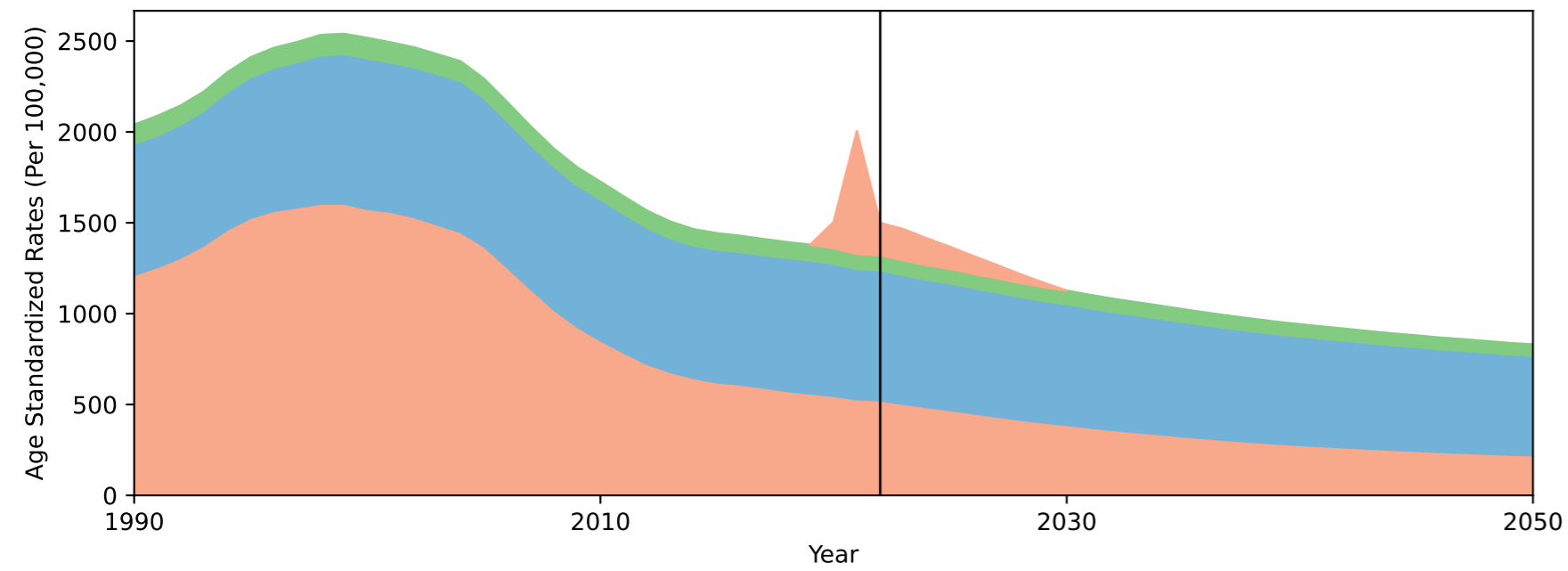
# Madagascar

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

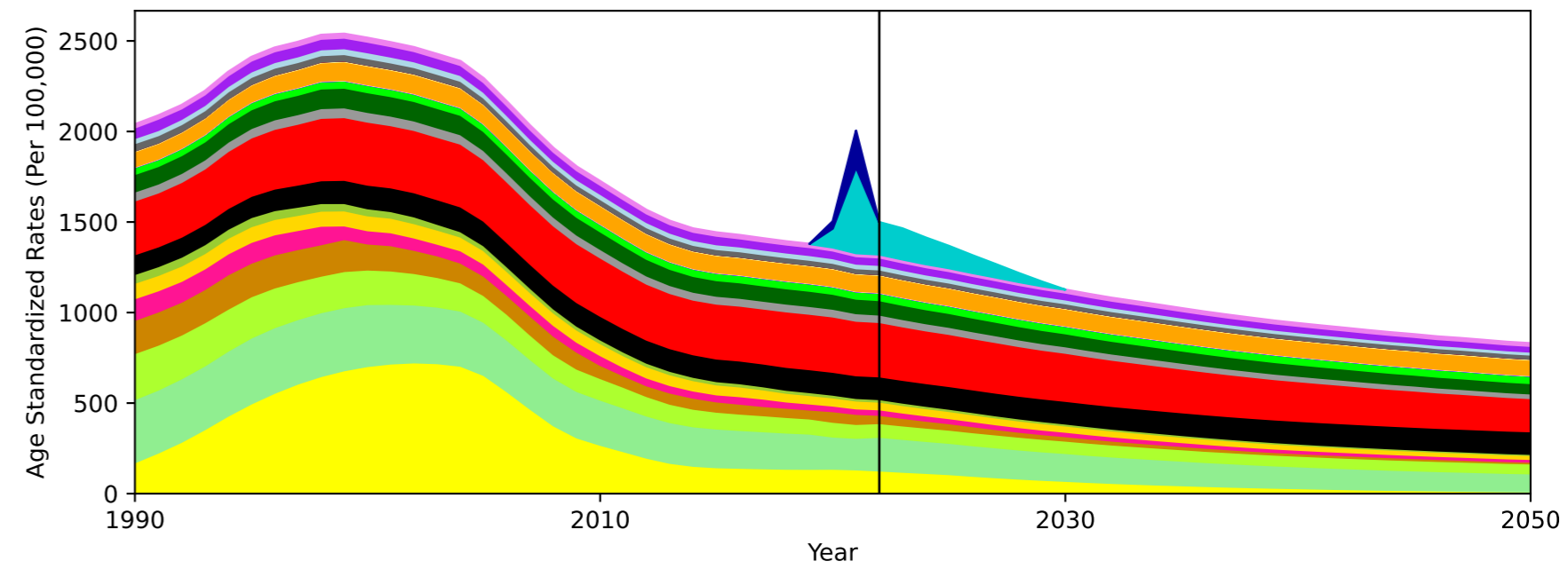
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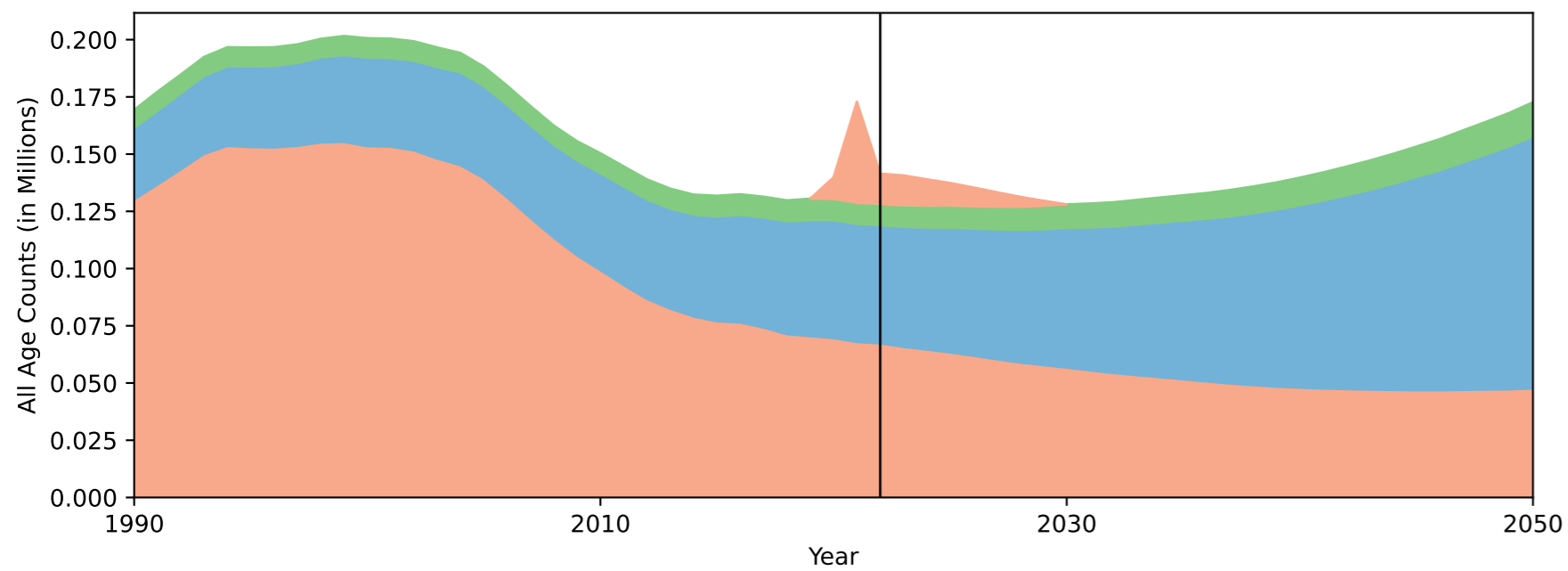
Level 1



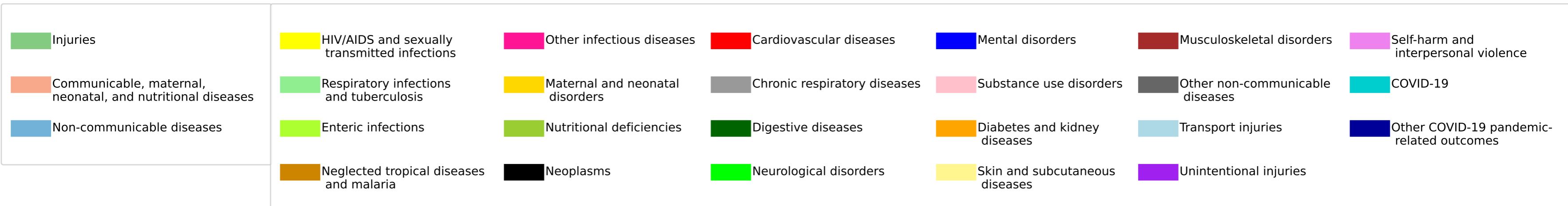
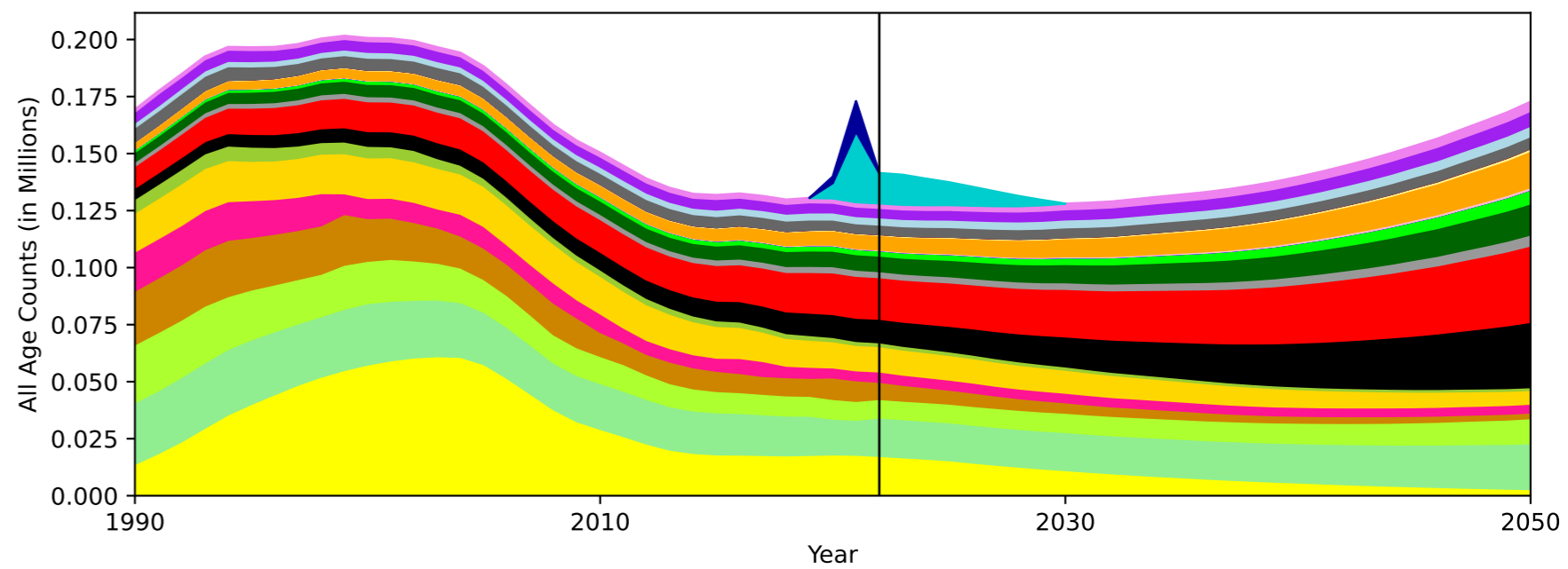
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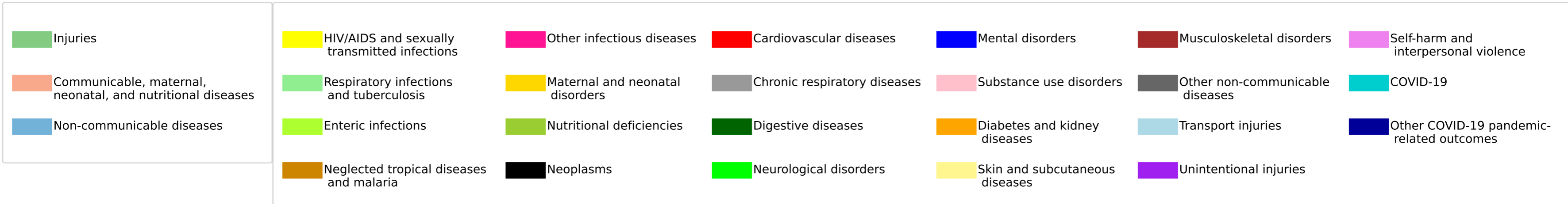
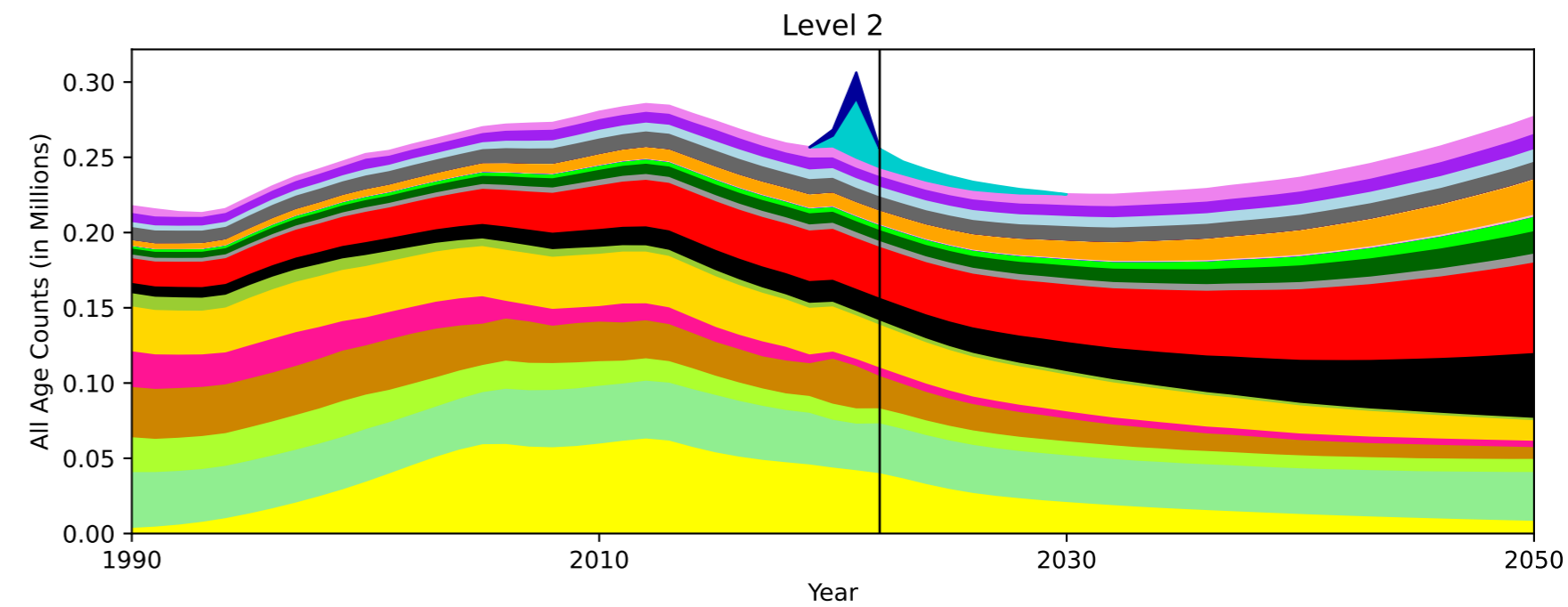
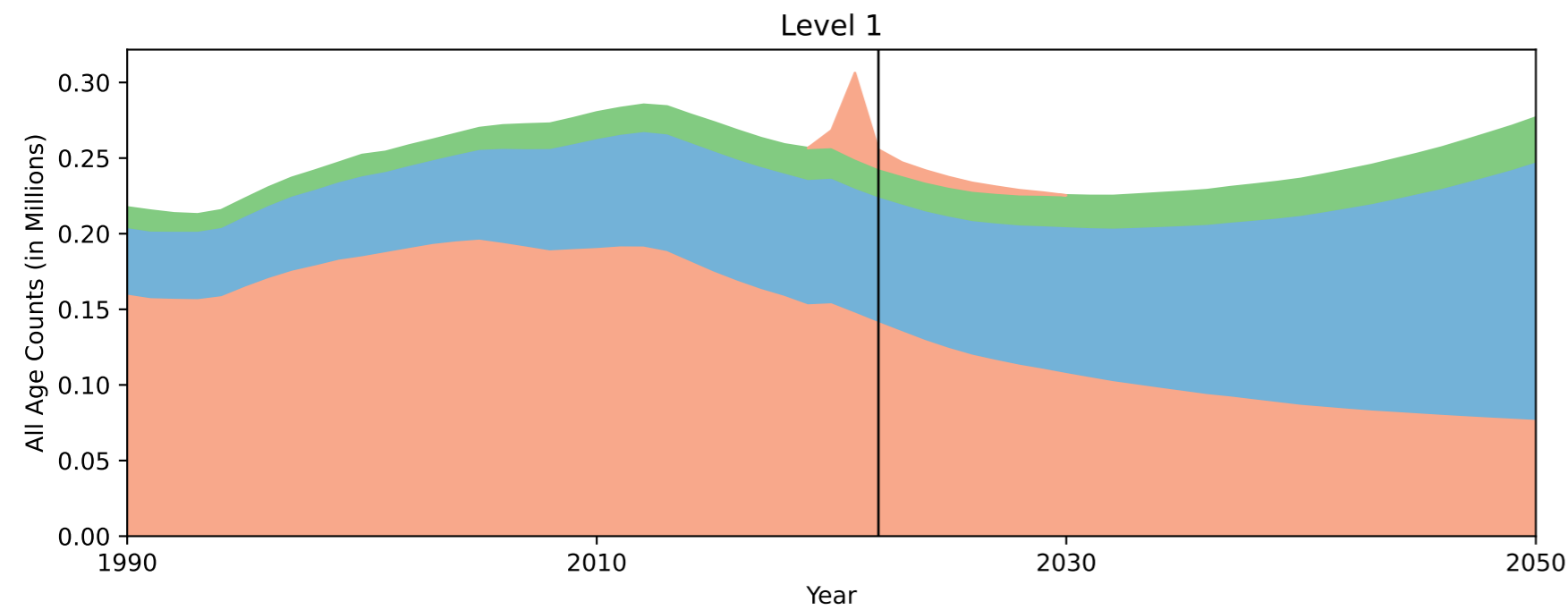
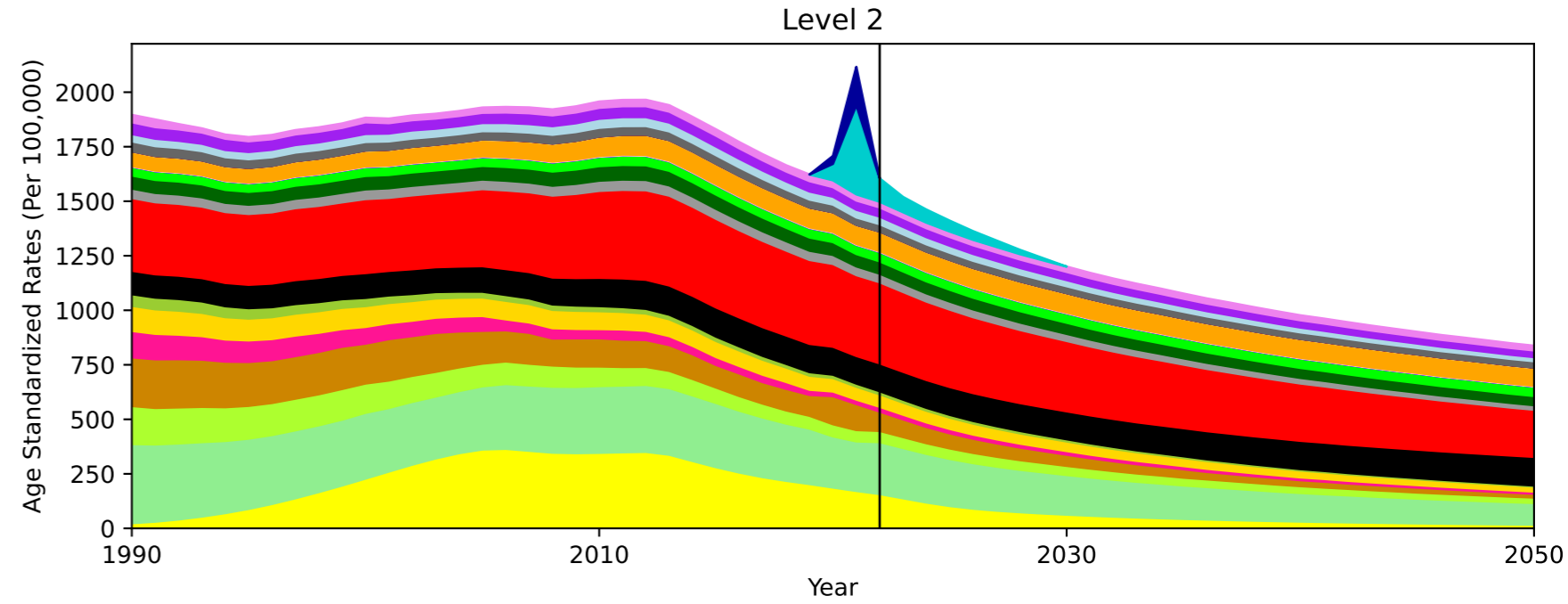
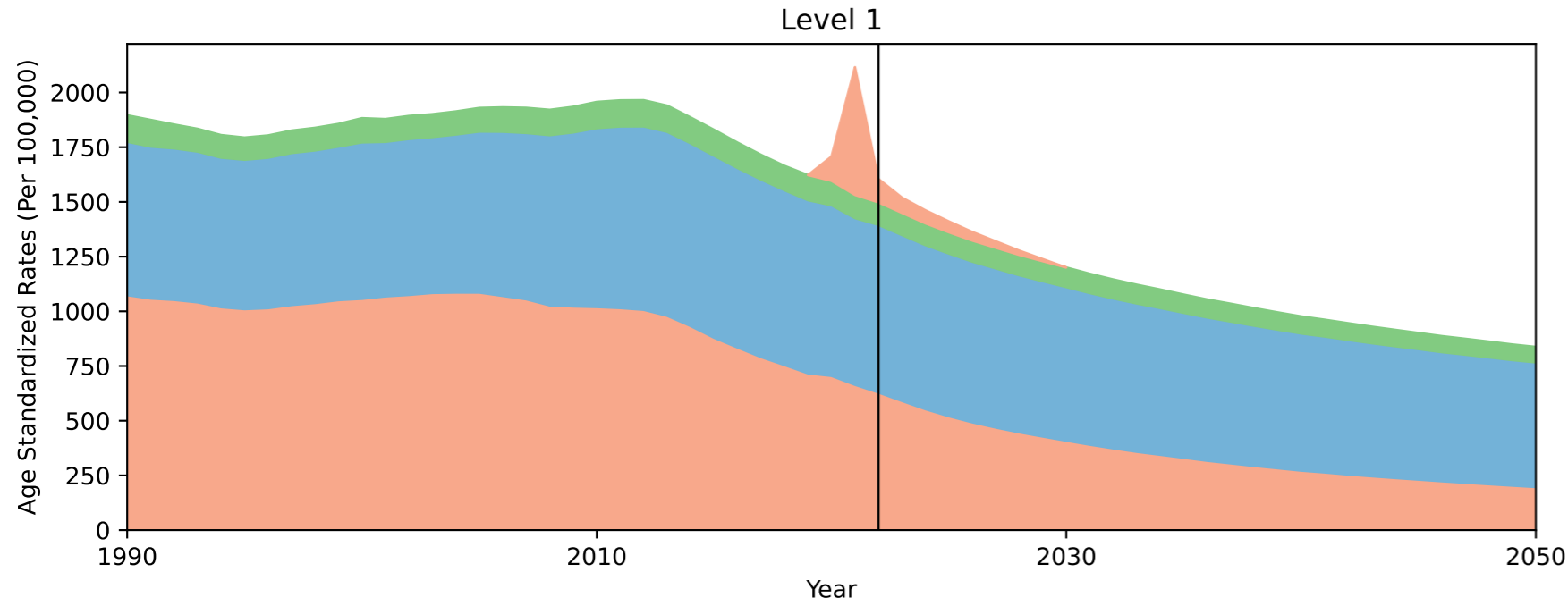
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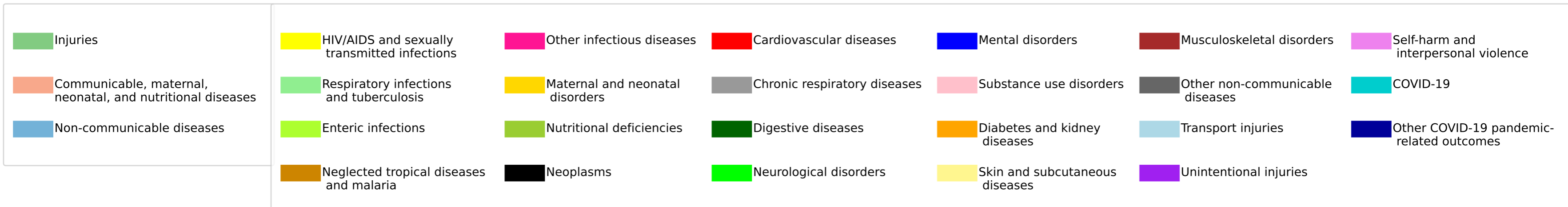
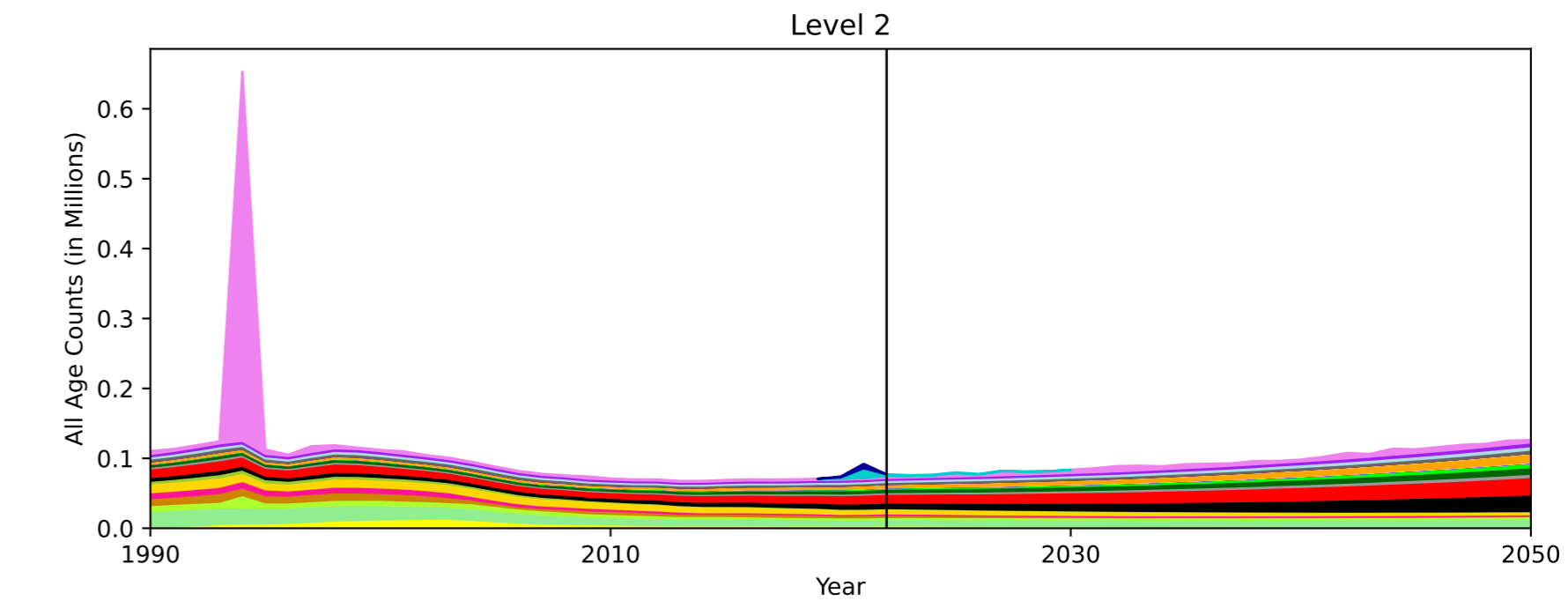
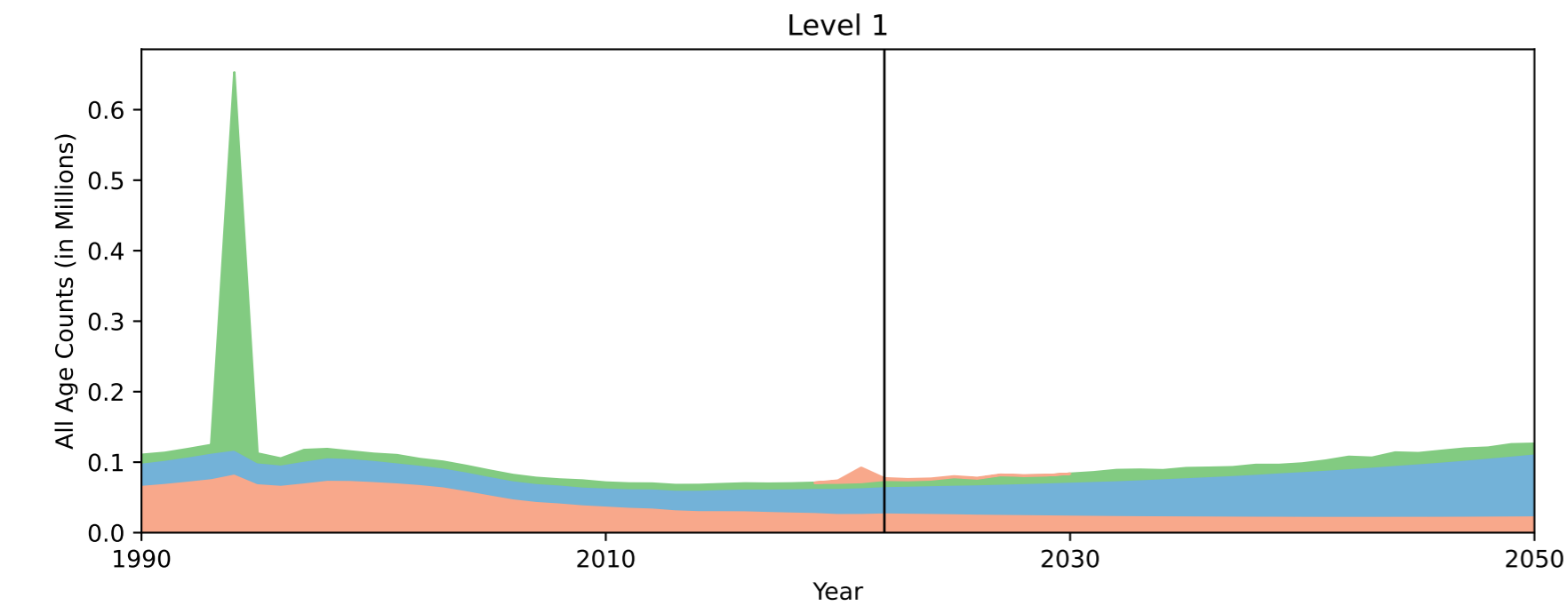
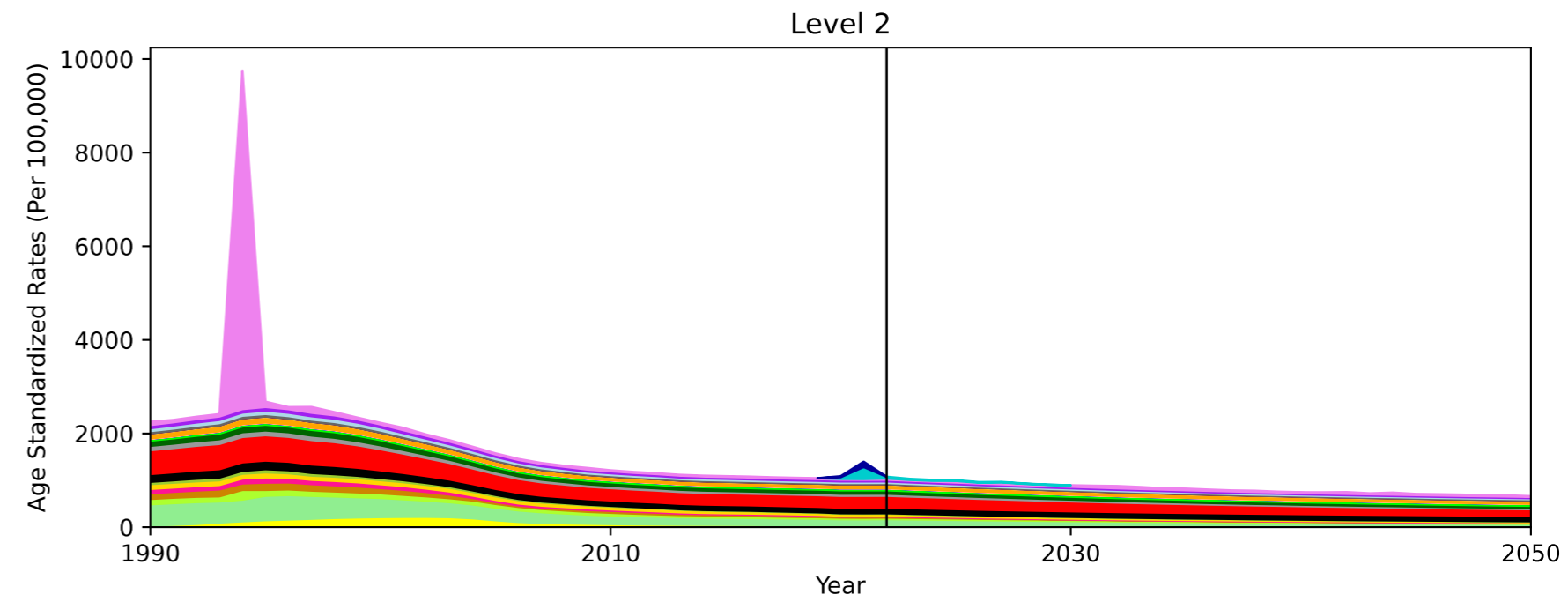
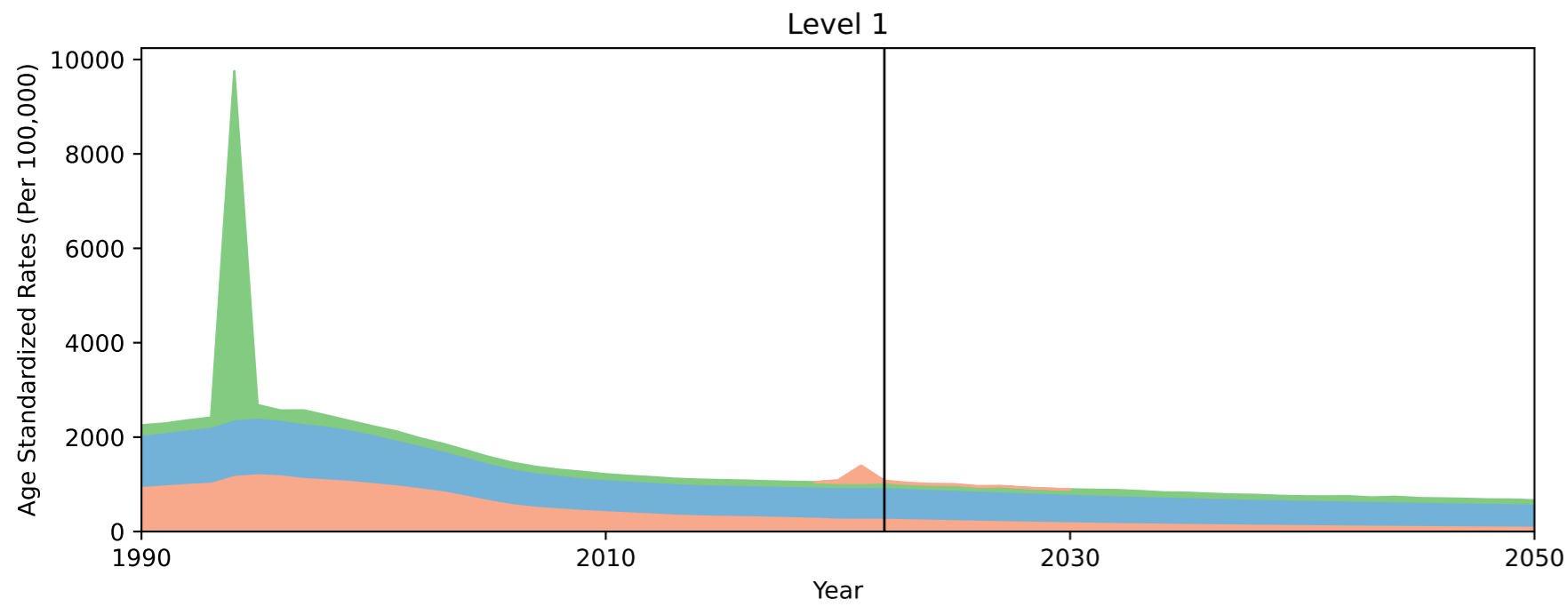
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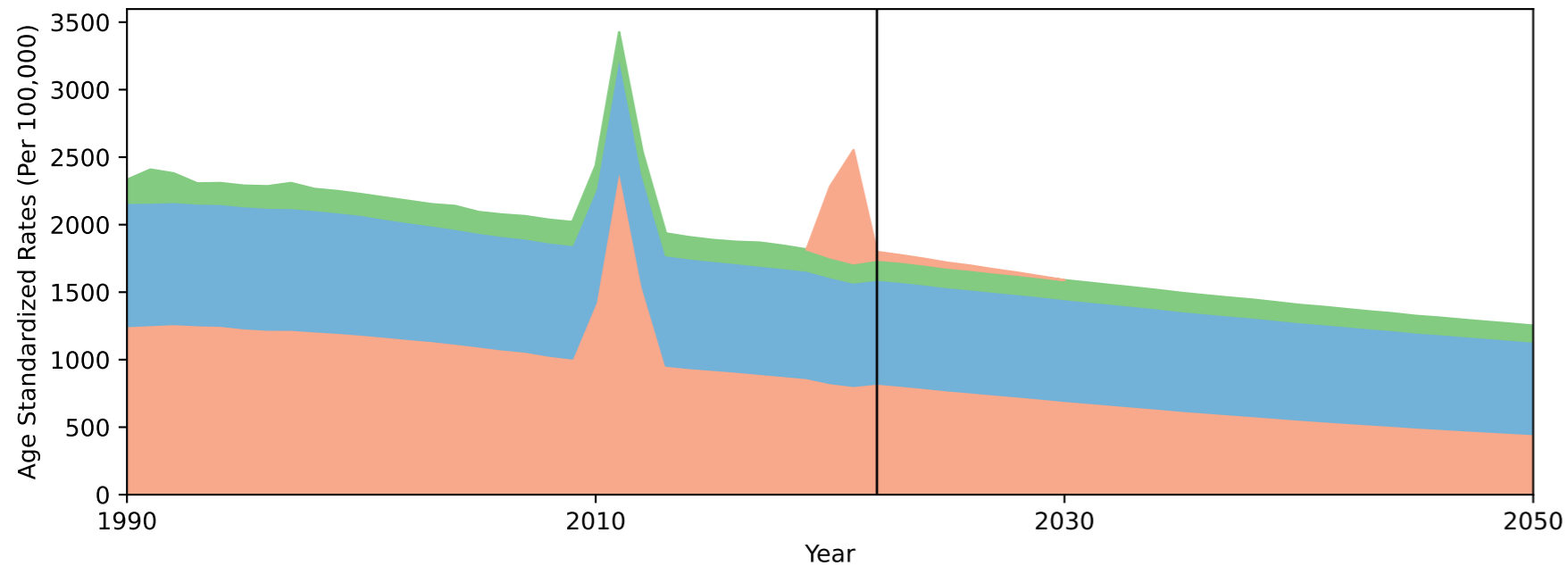


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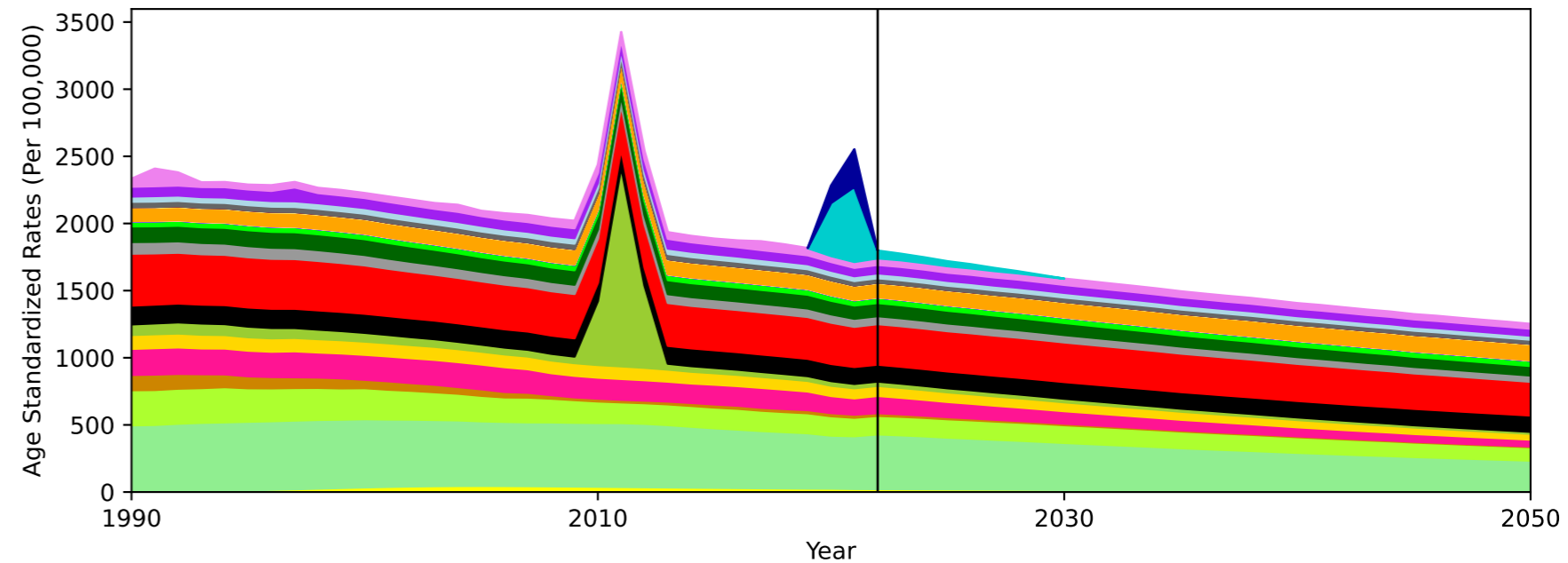


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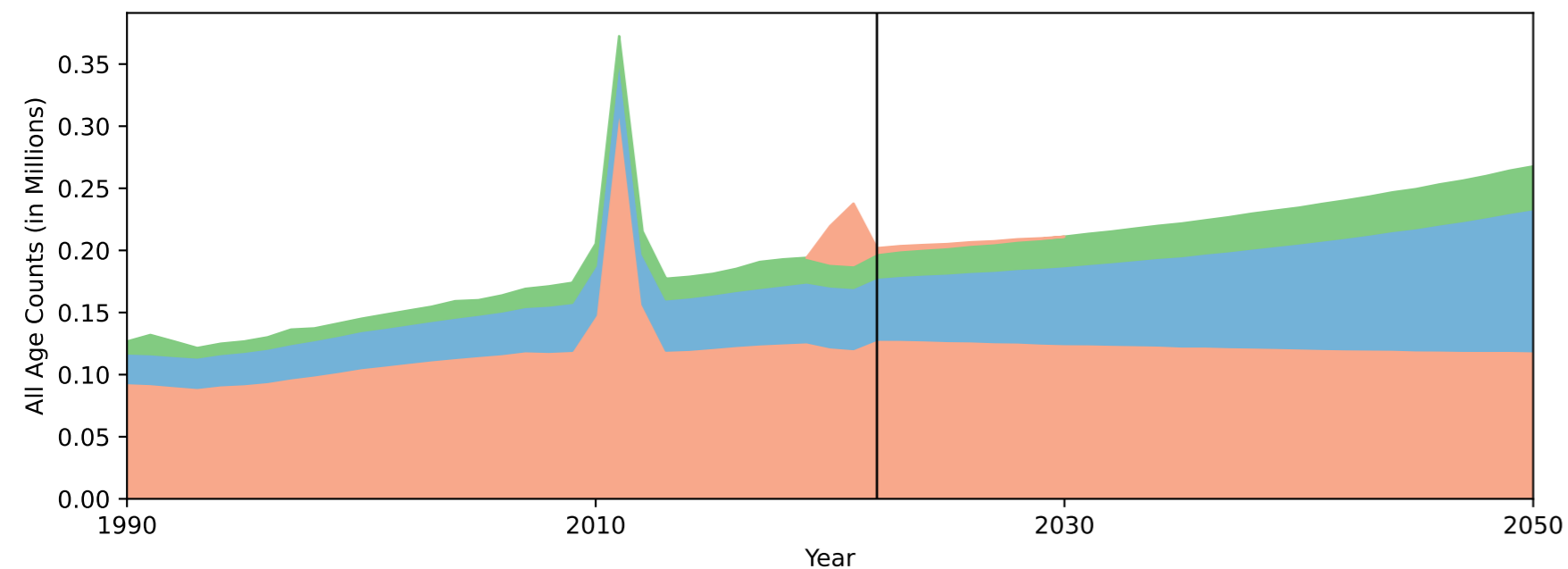
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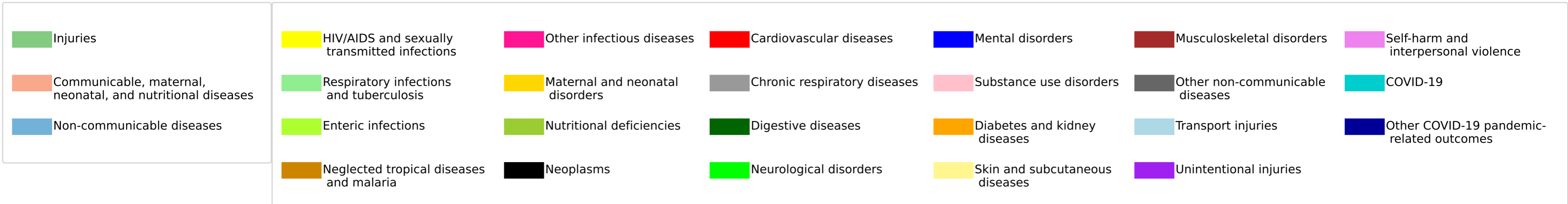
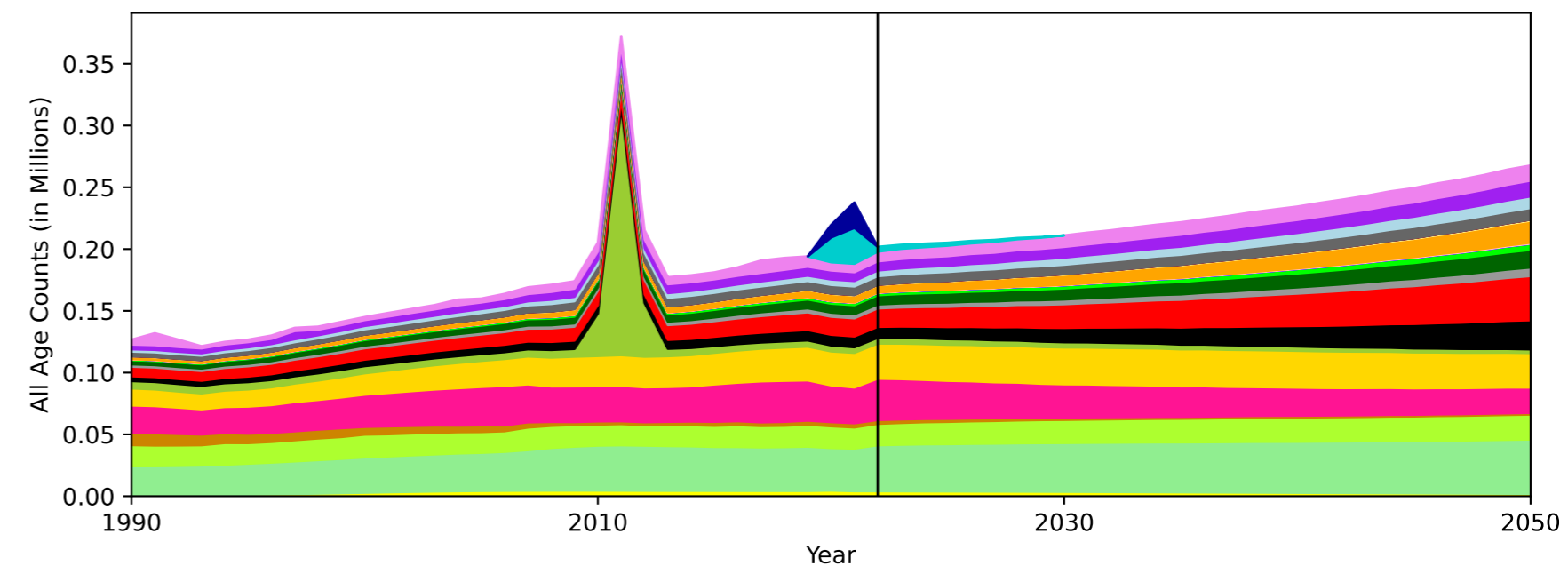
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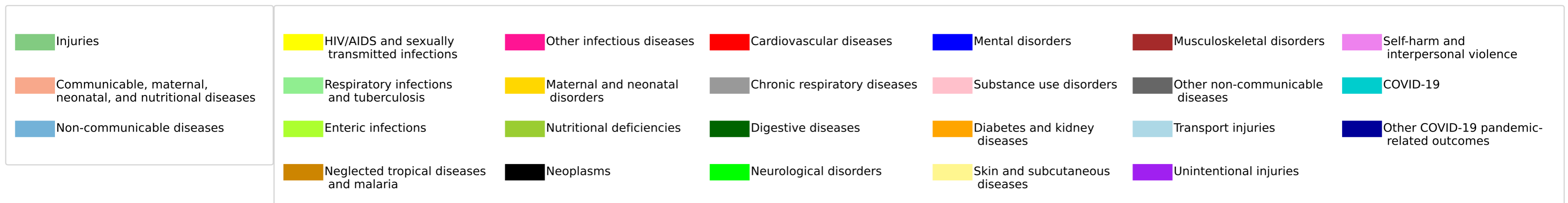
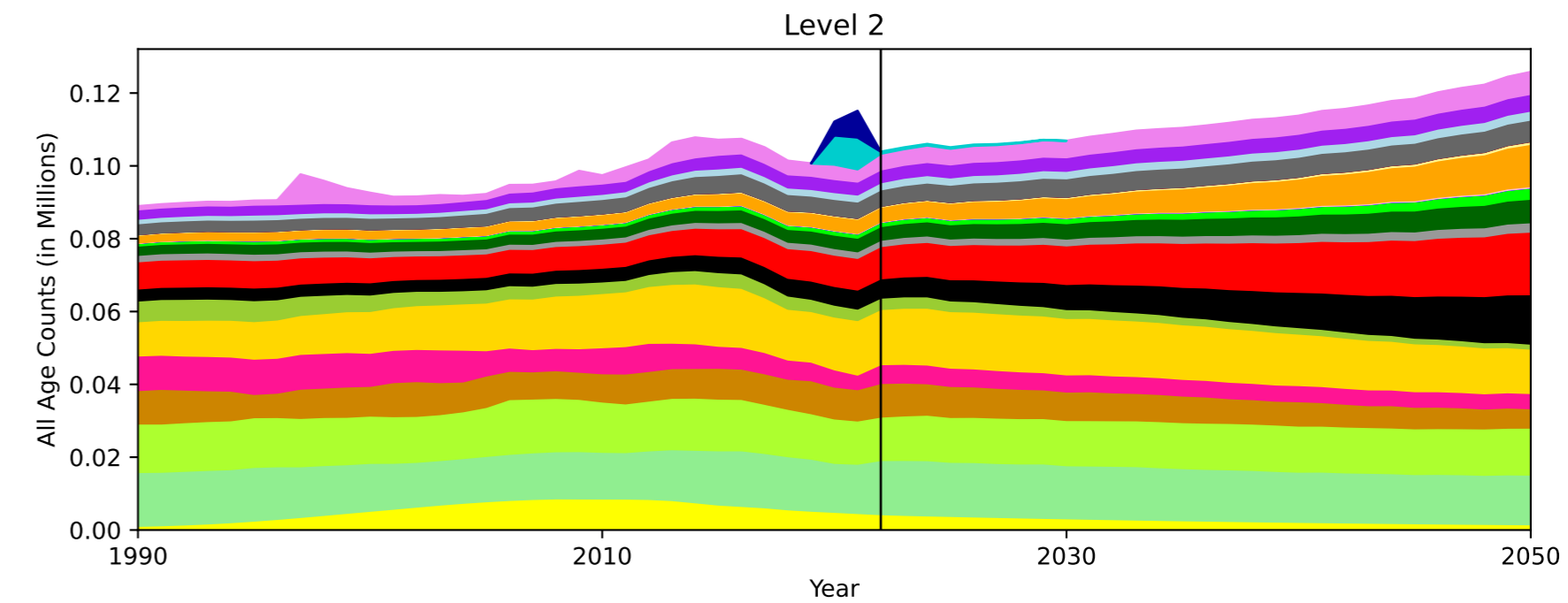
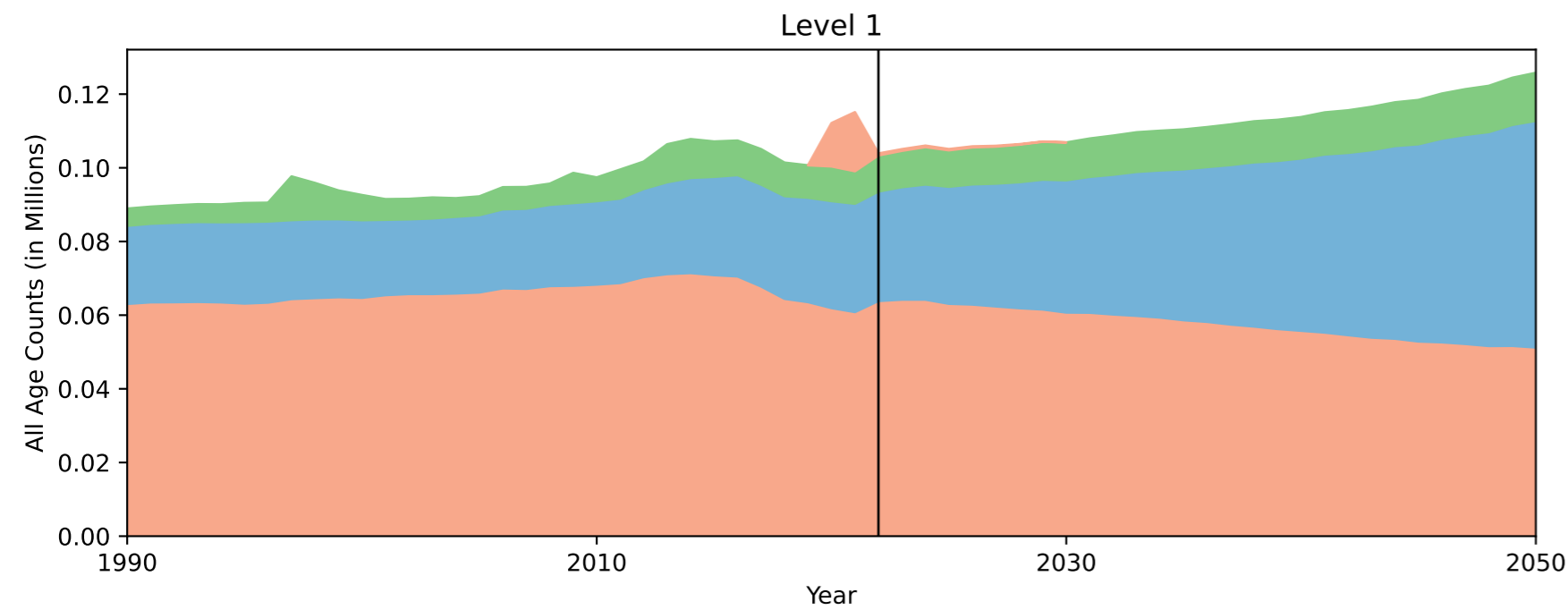
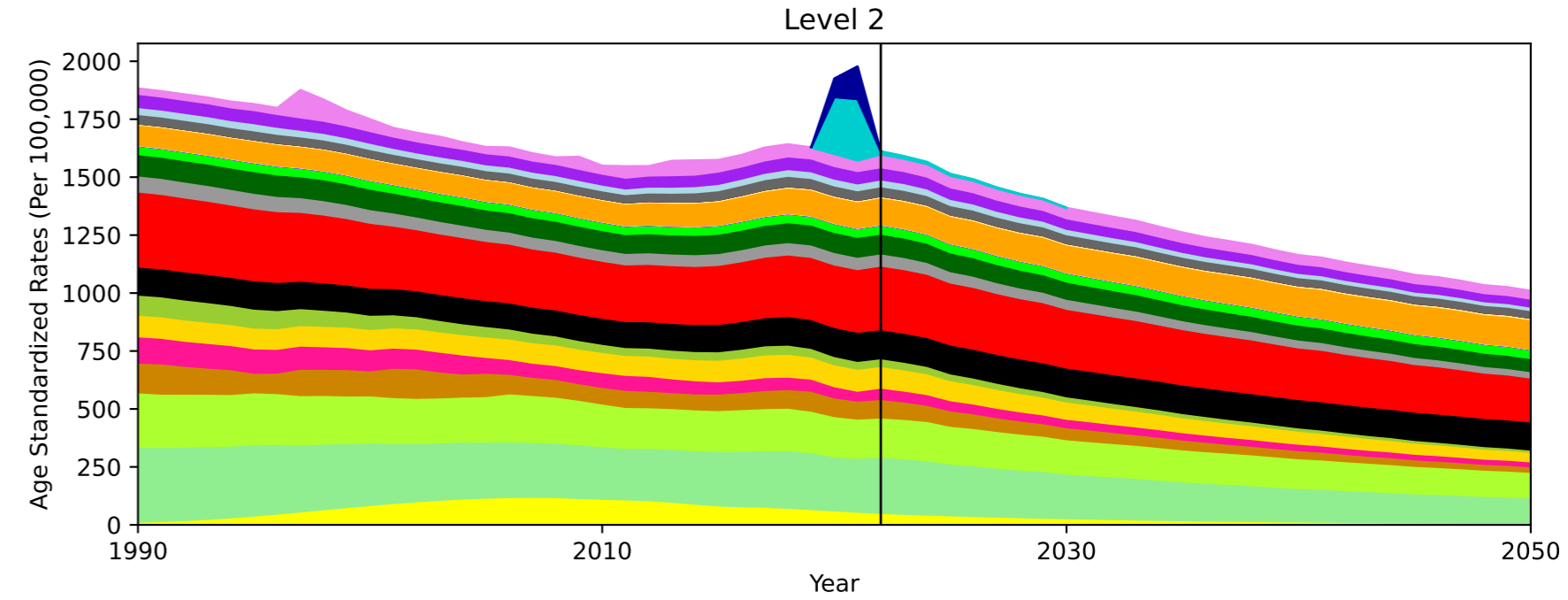
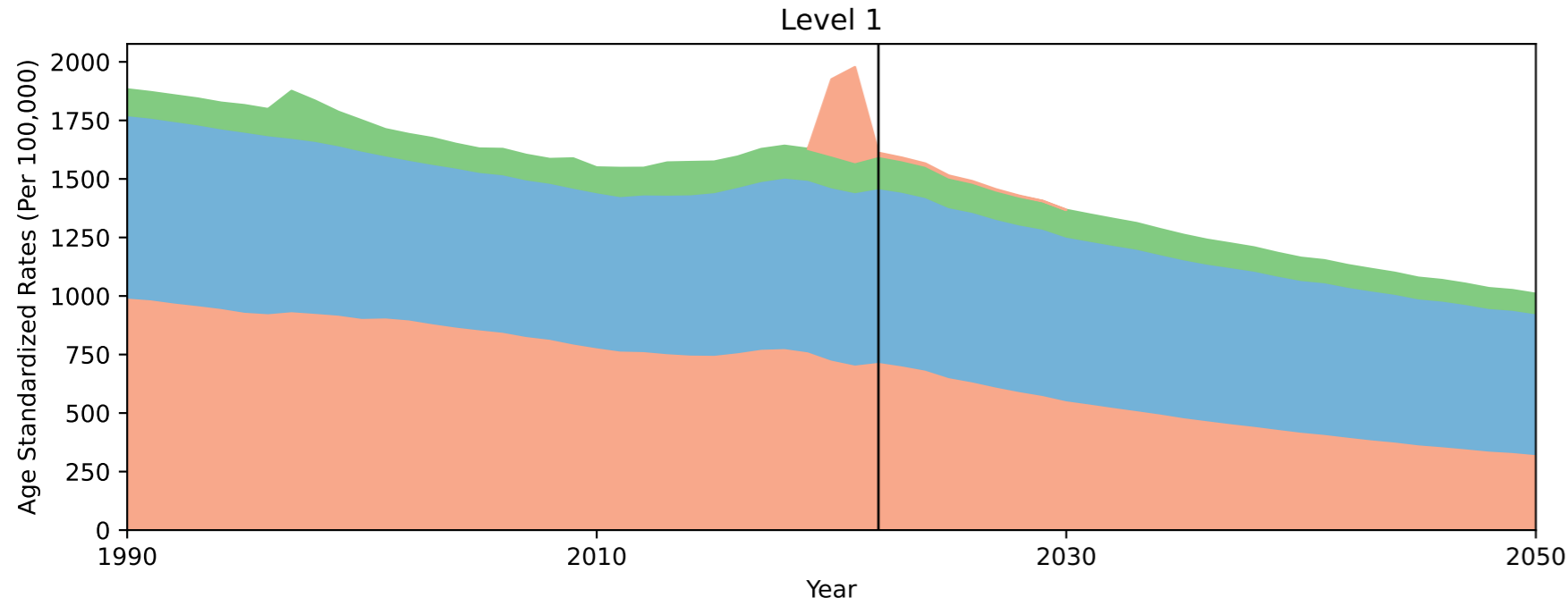
Level 1



Level 2

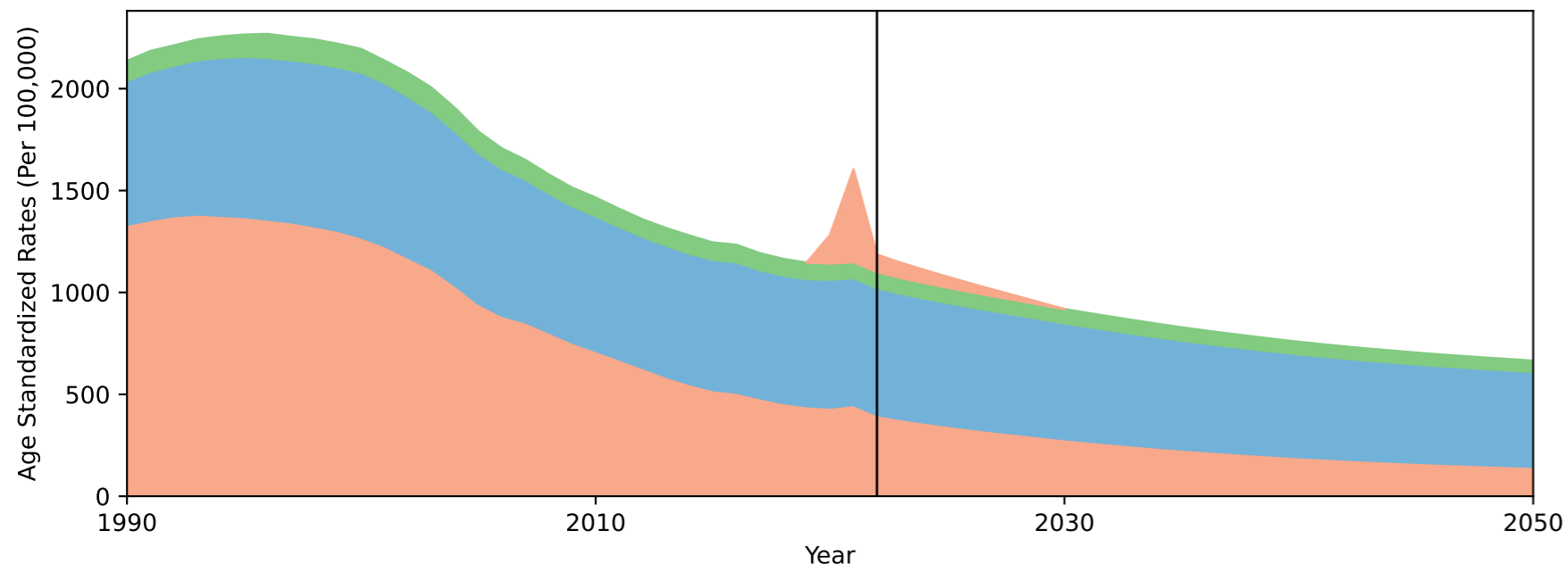


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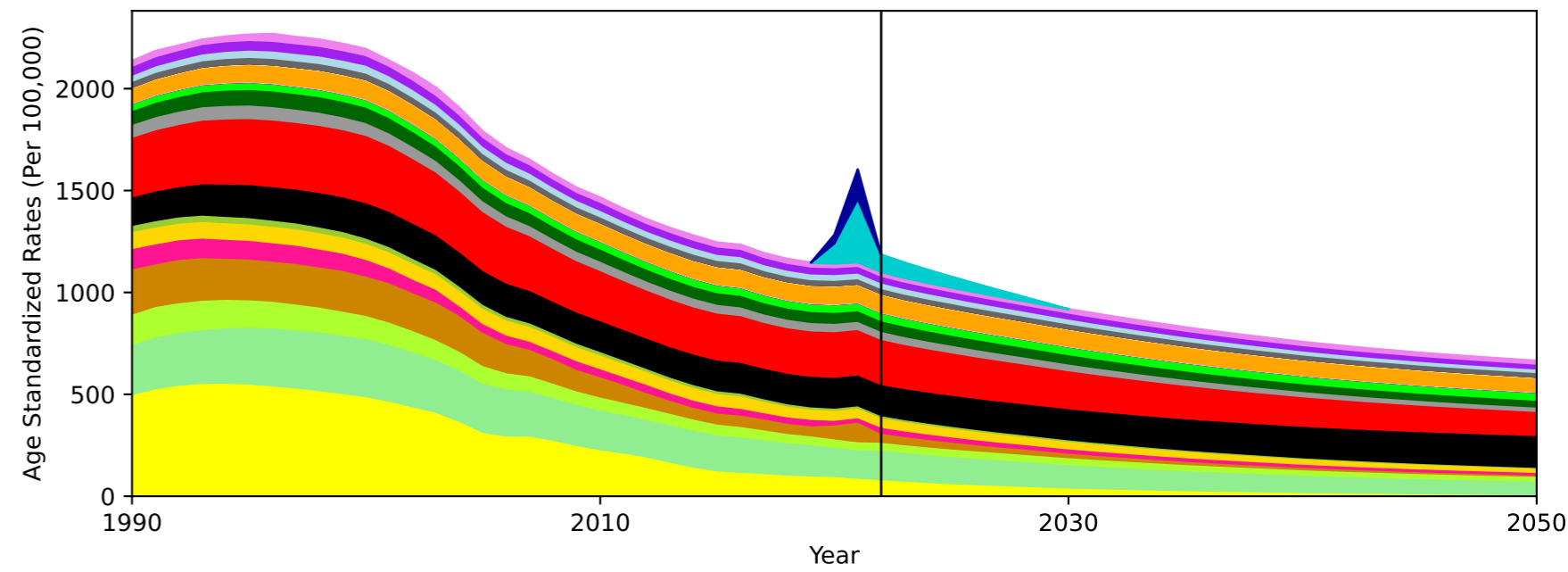


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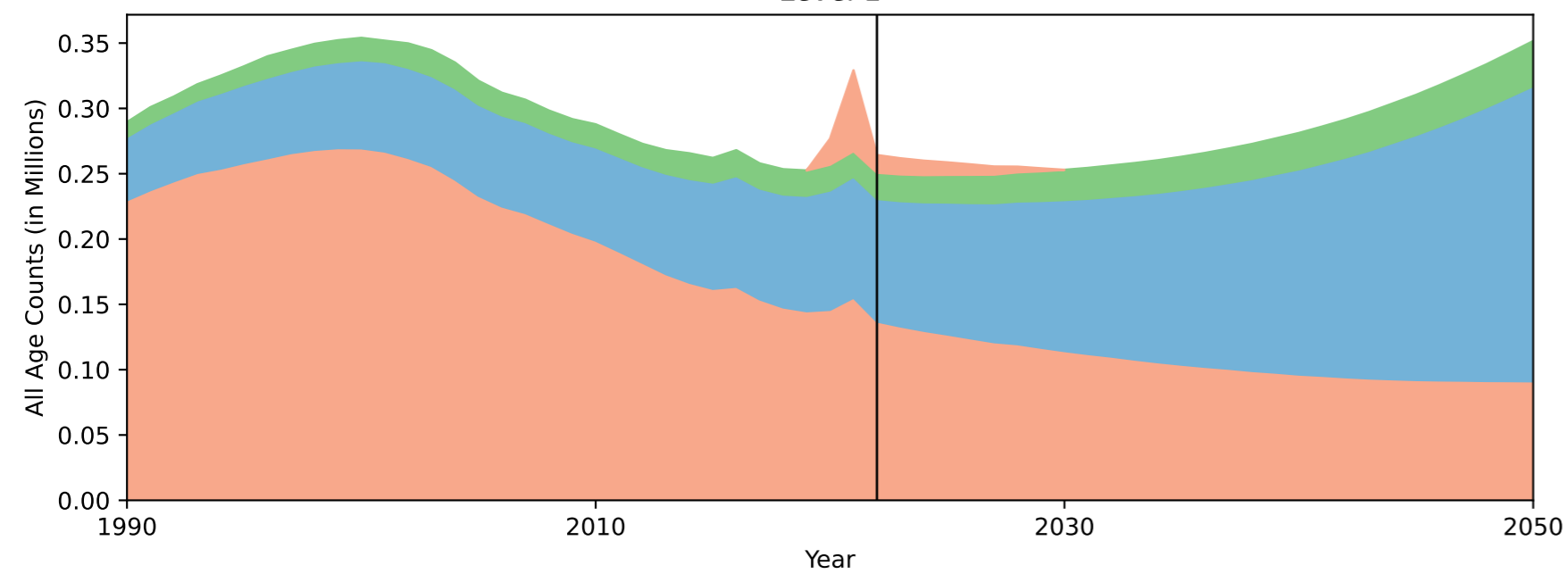
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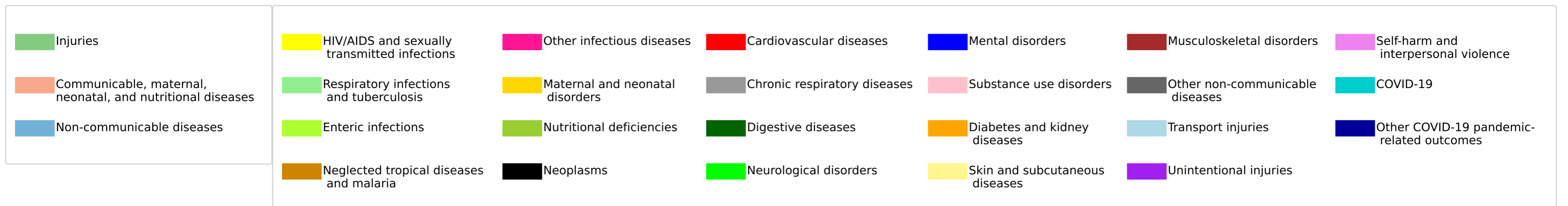
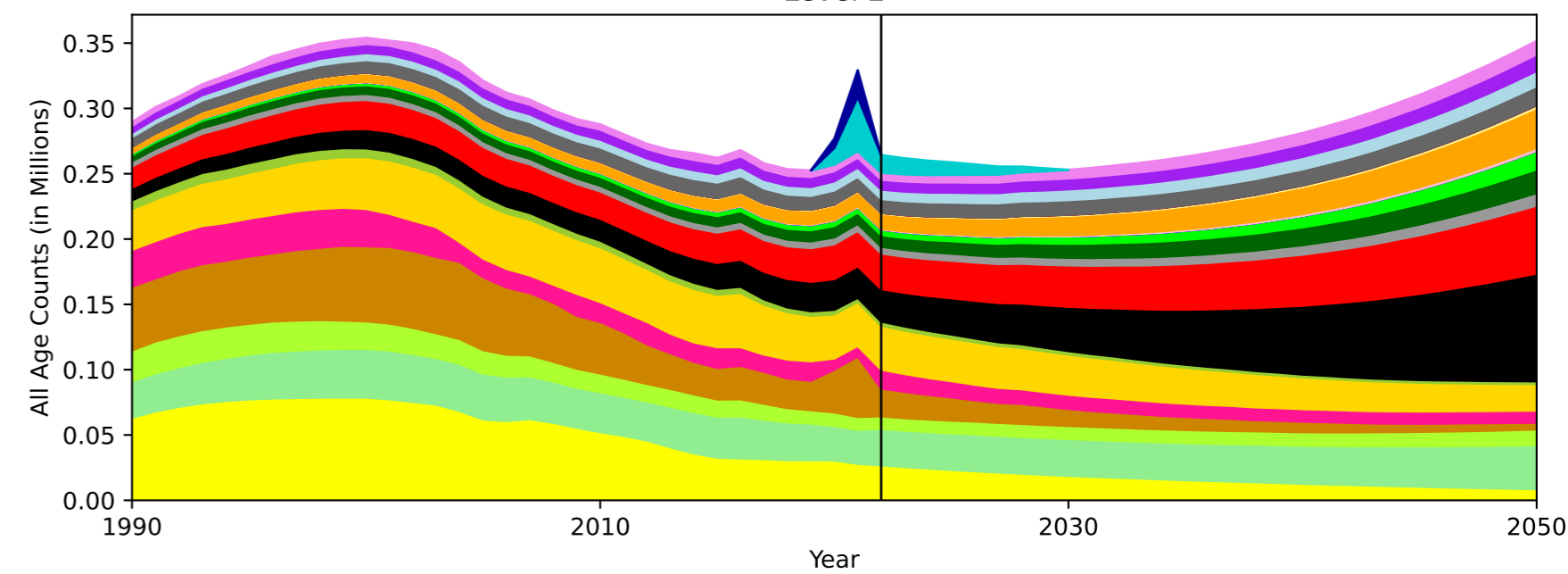
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Level 1

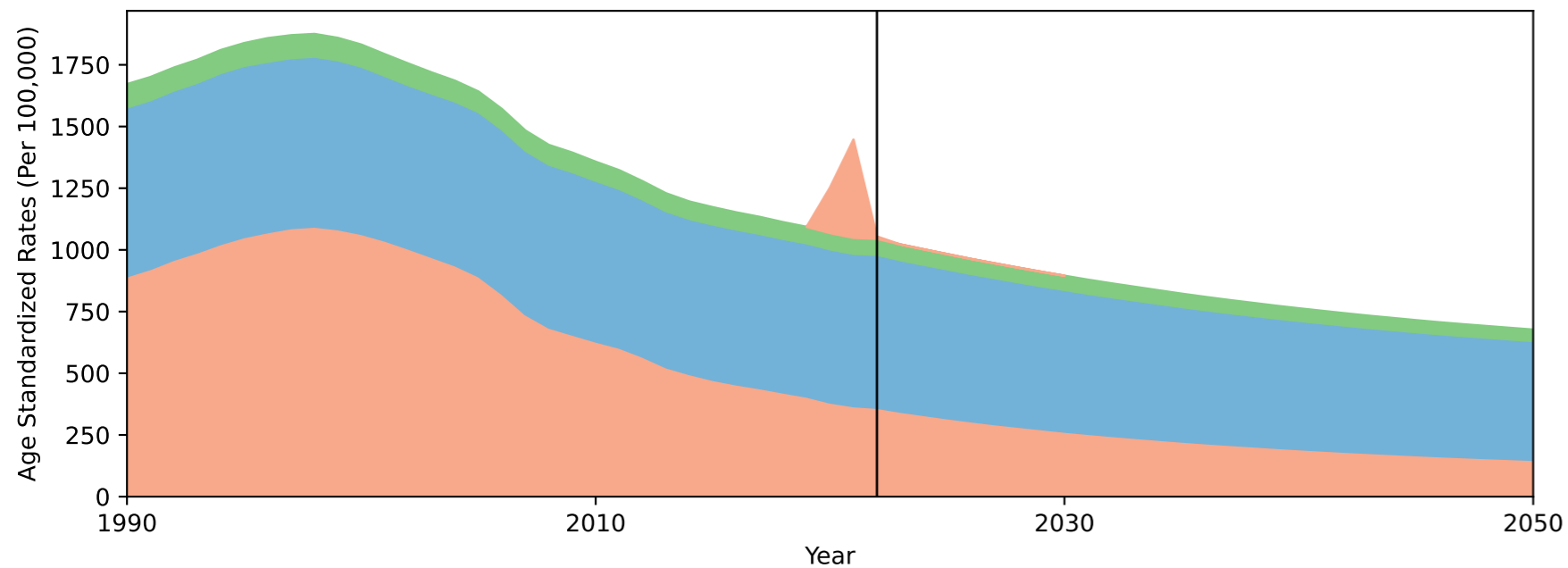


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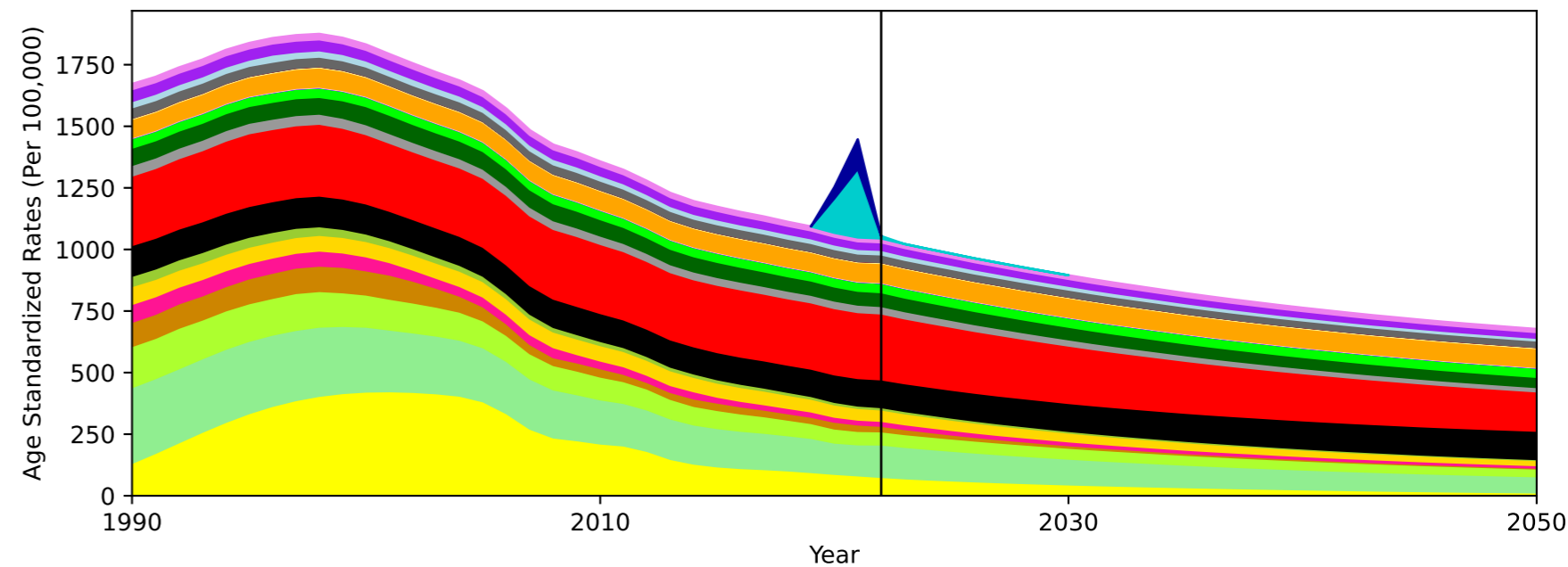


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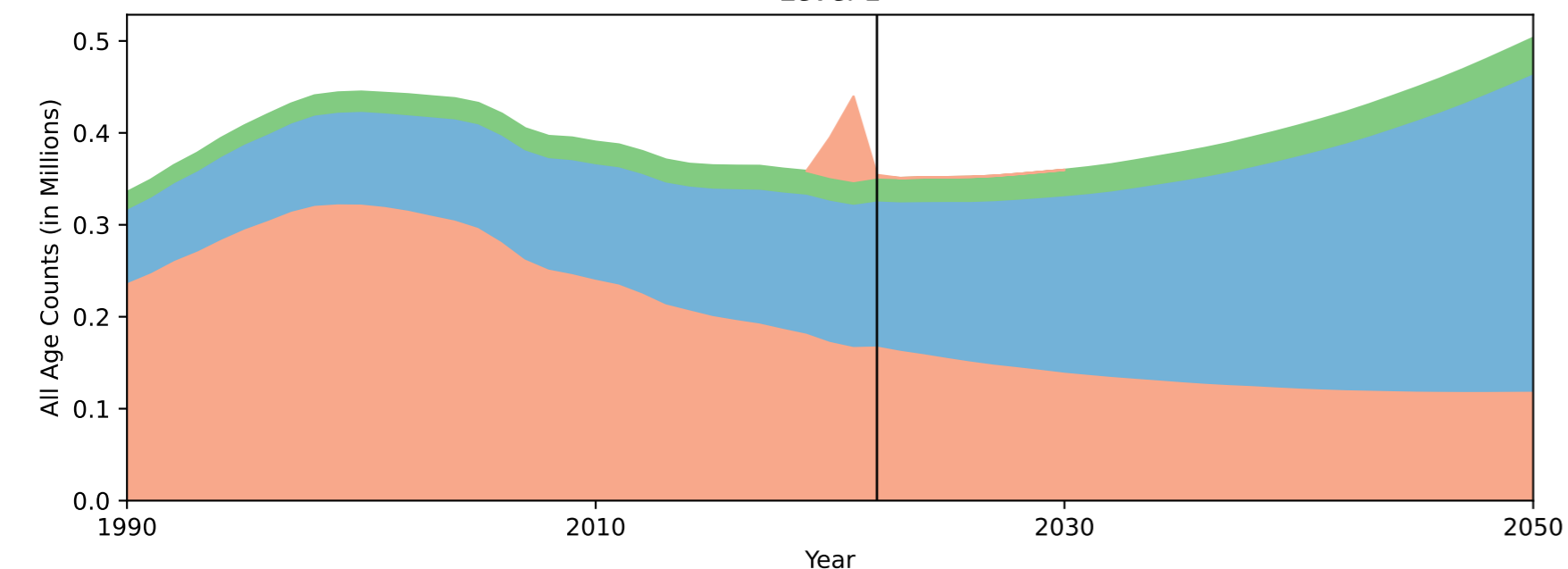
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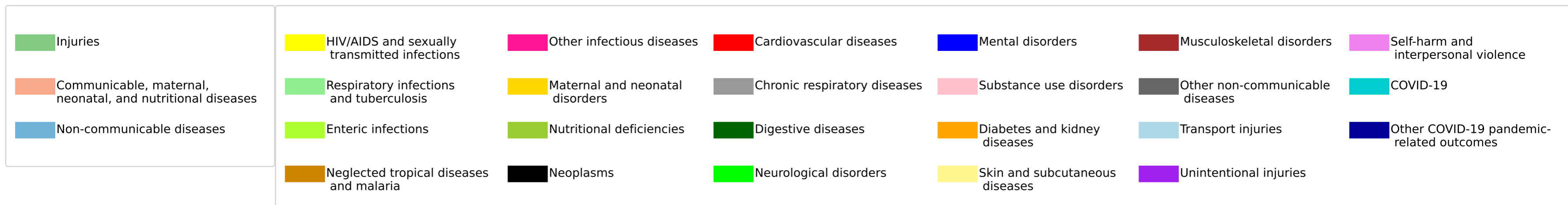
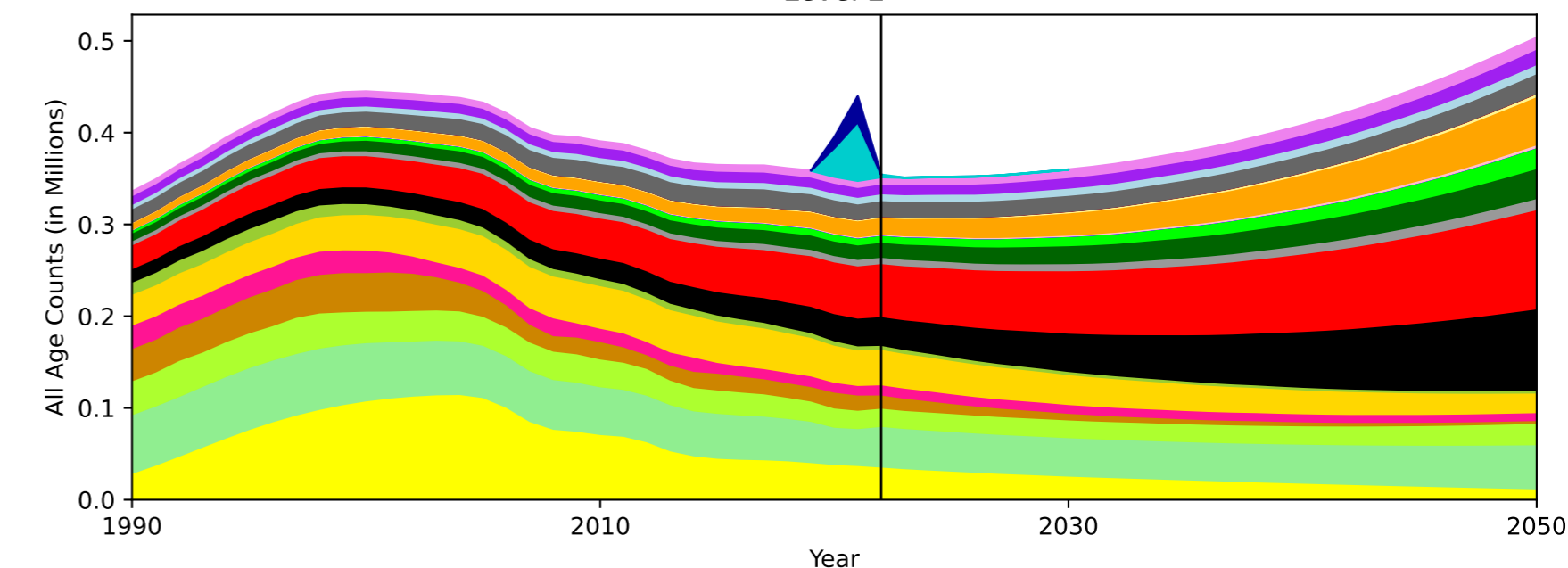
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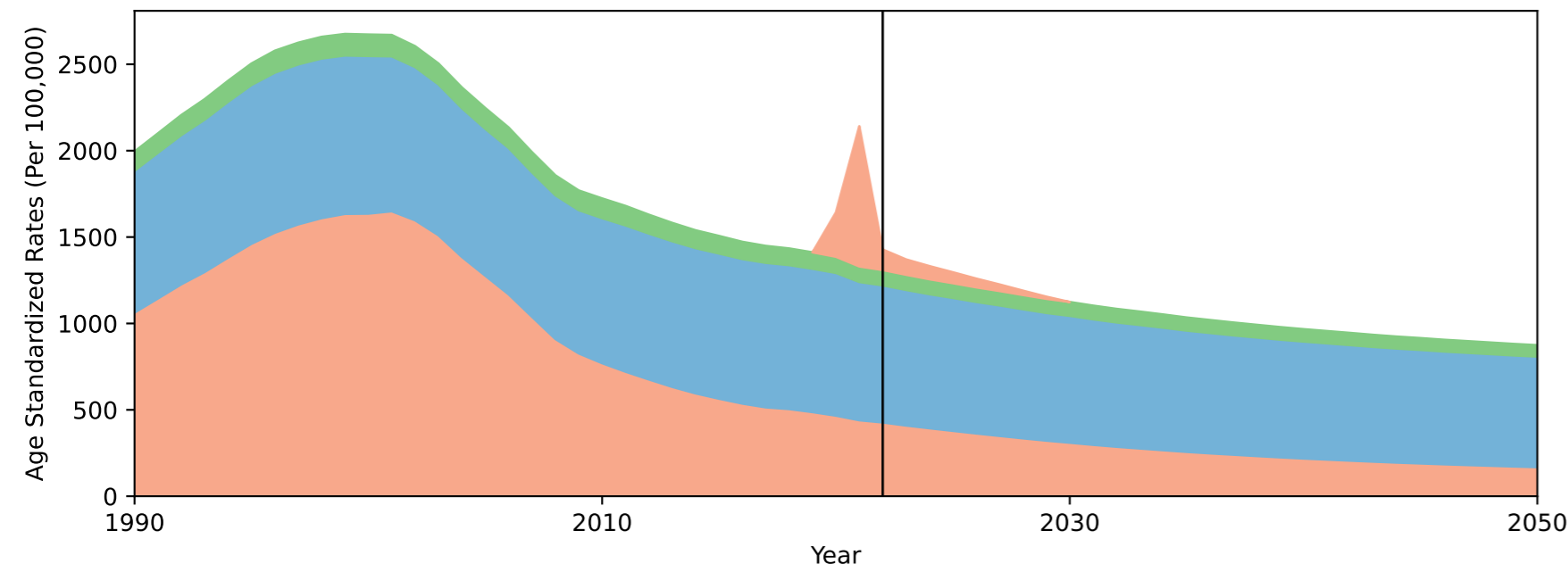
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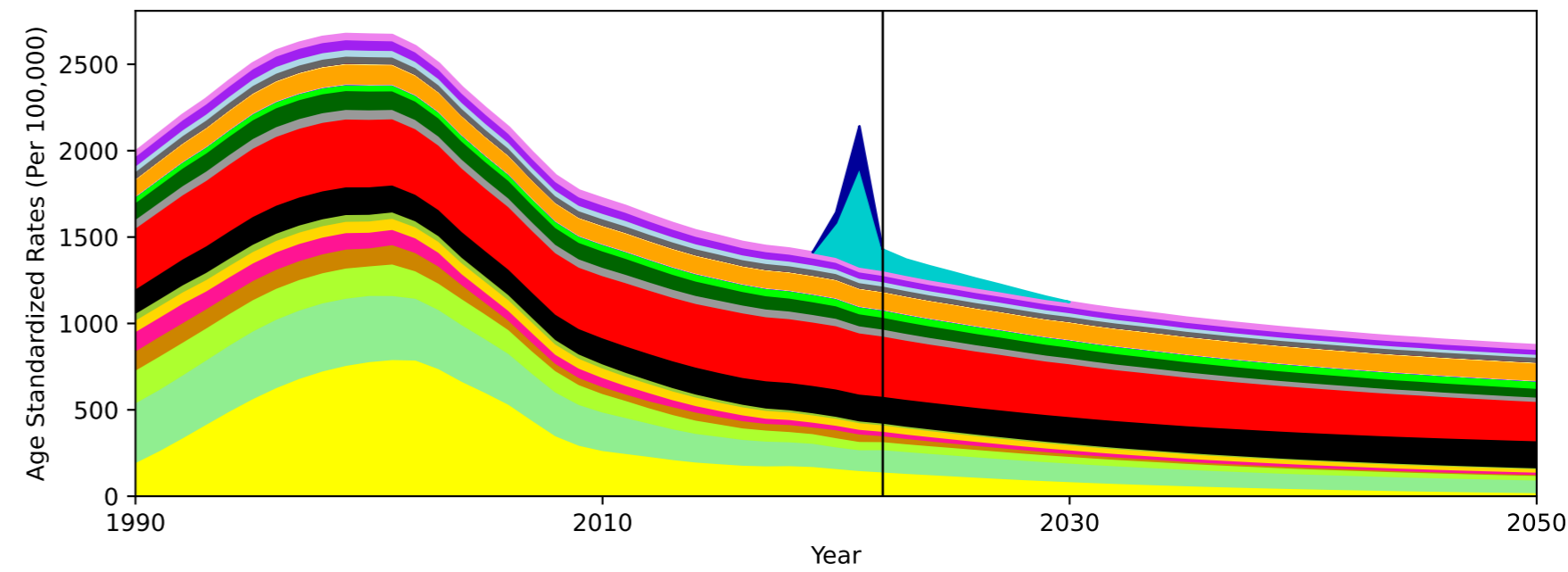


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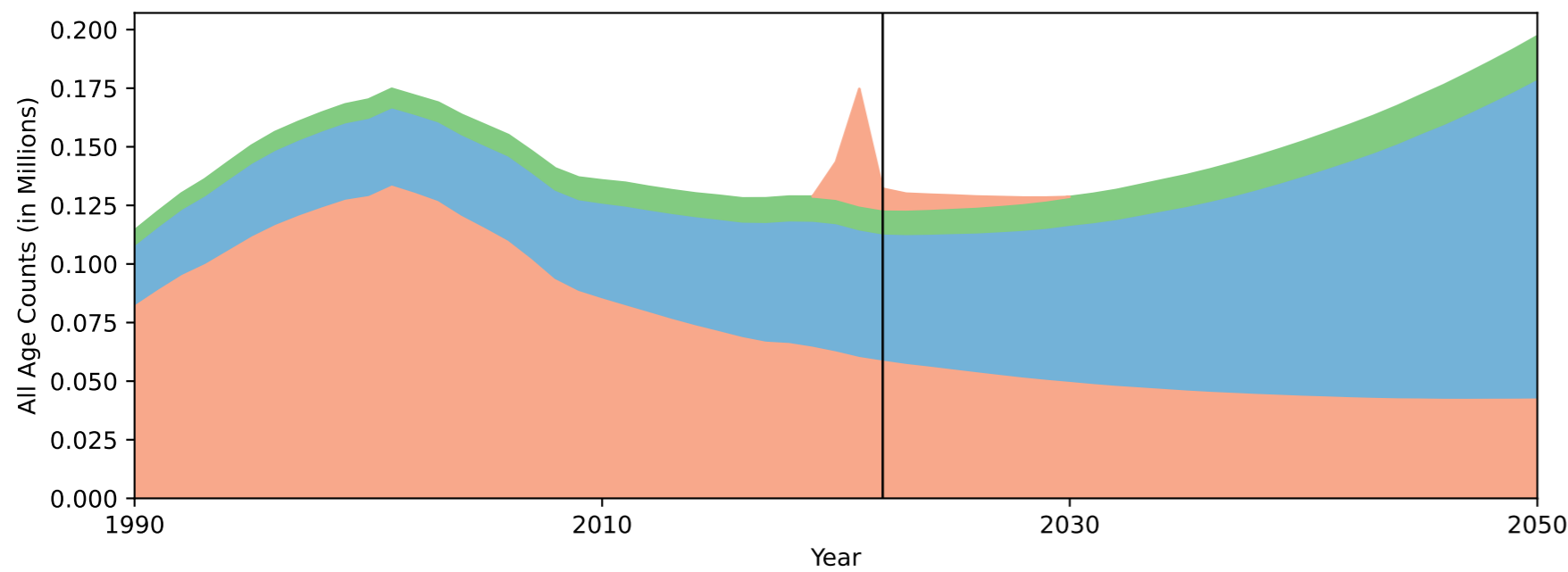
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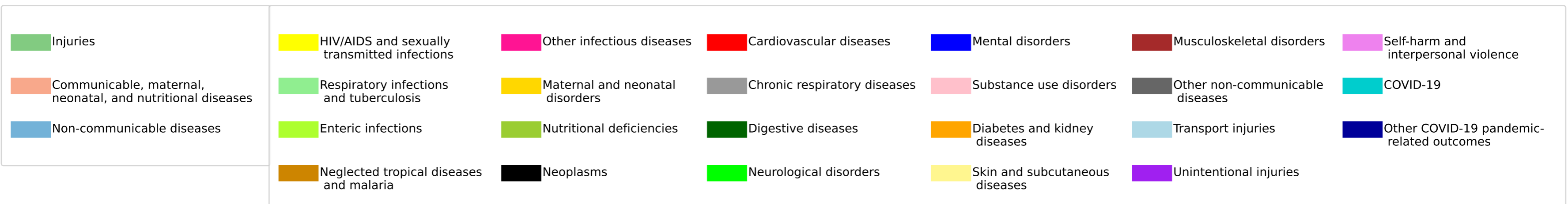
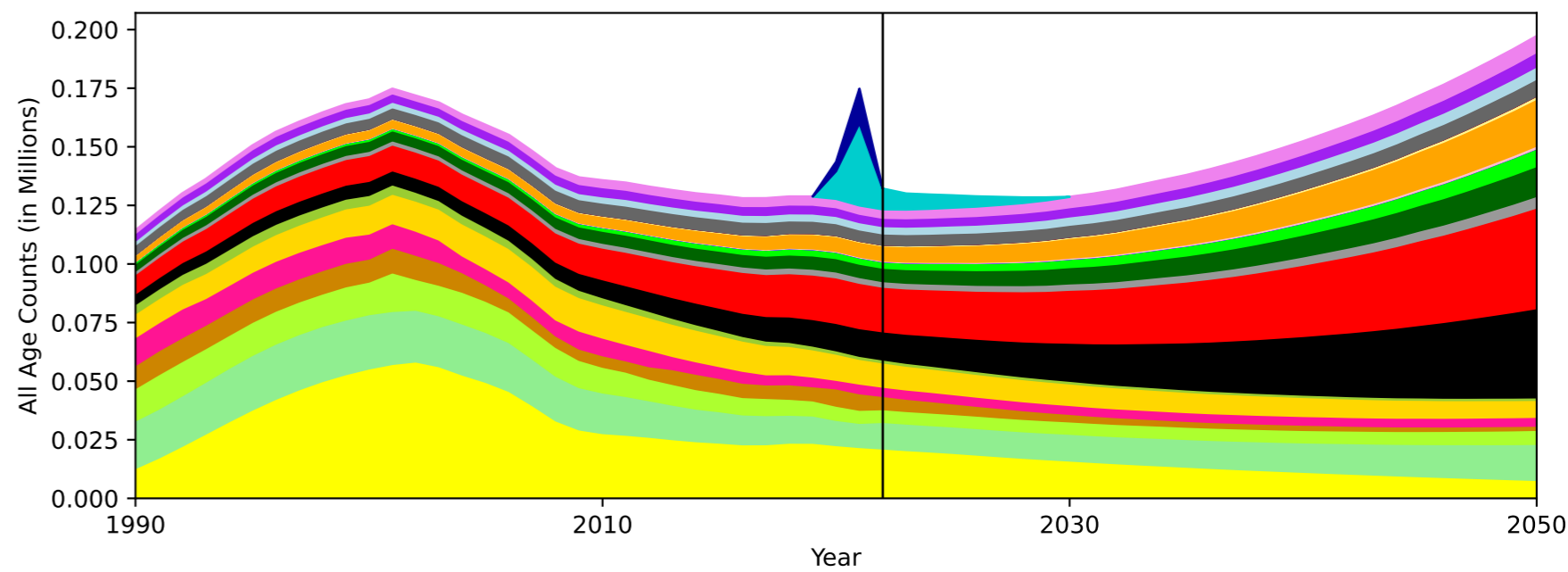
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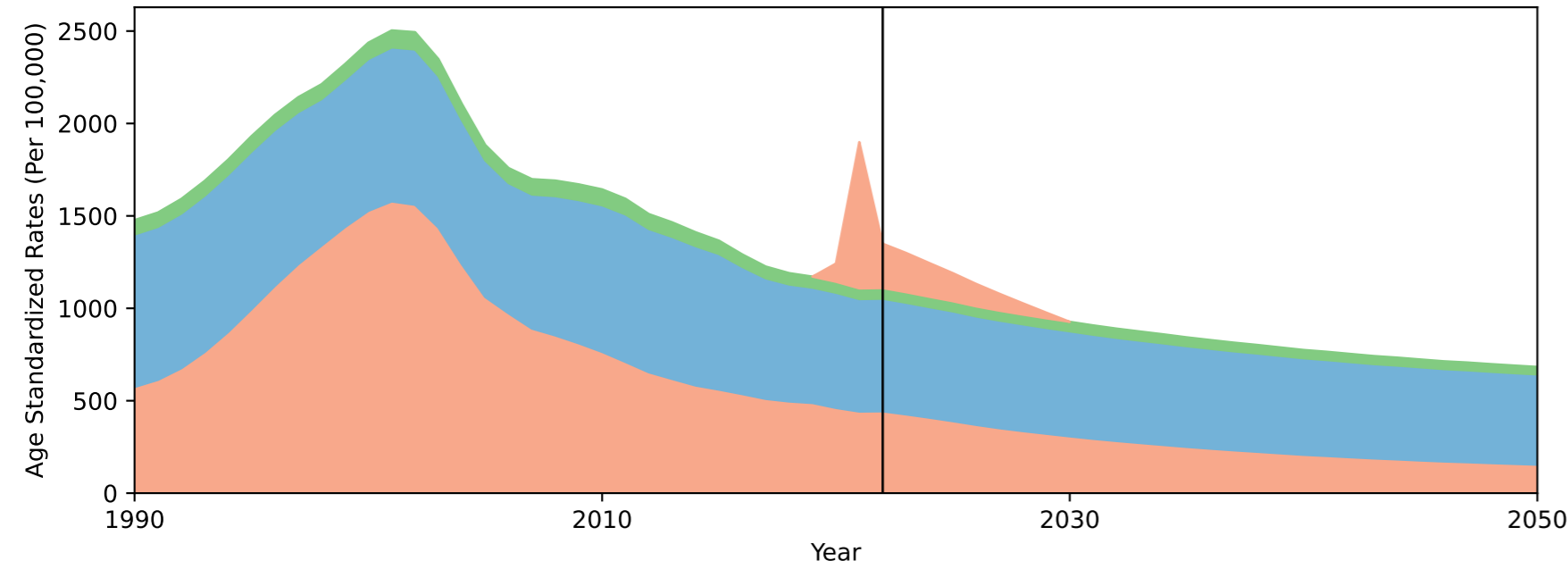


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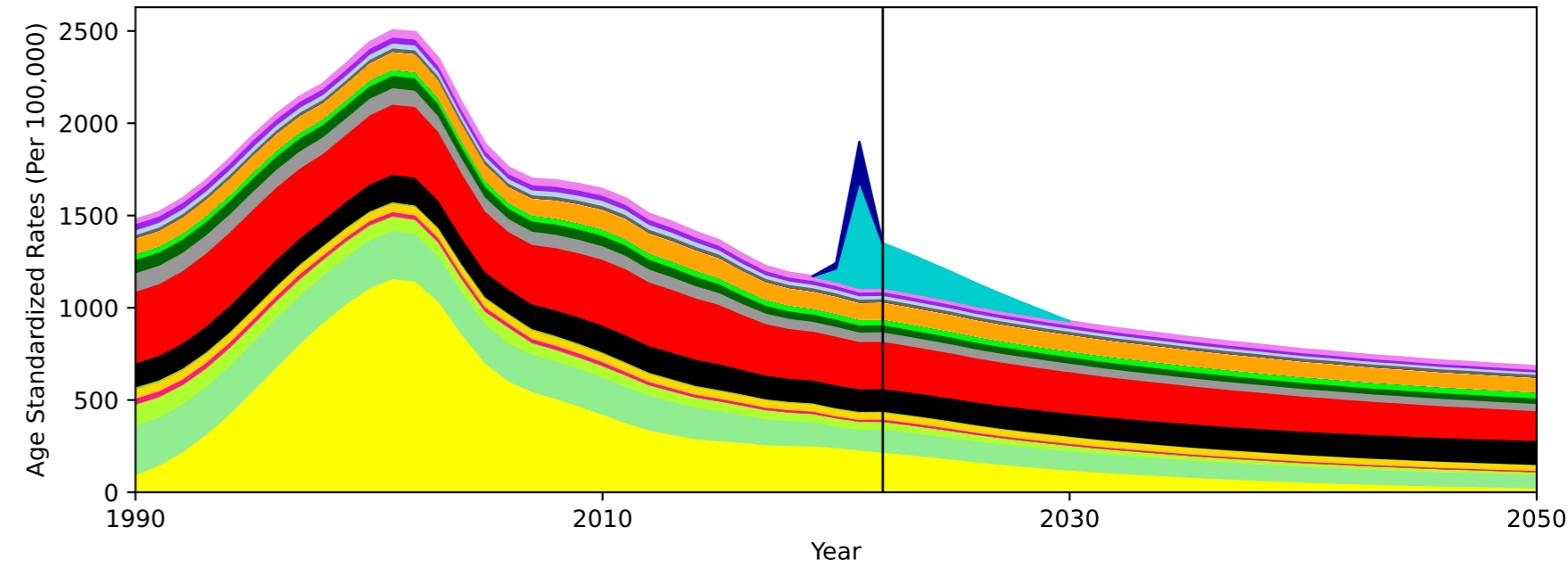


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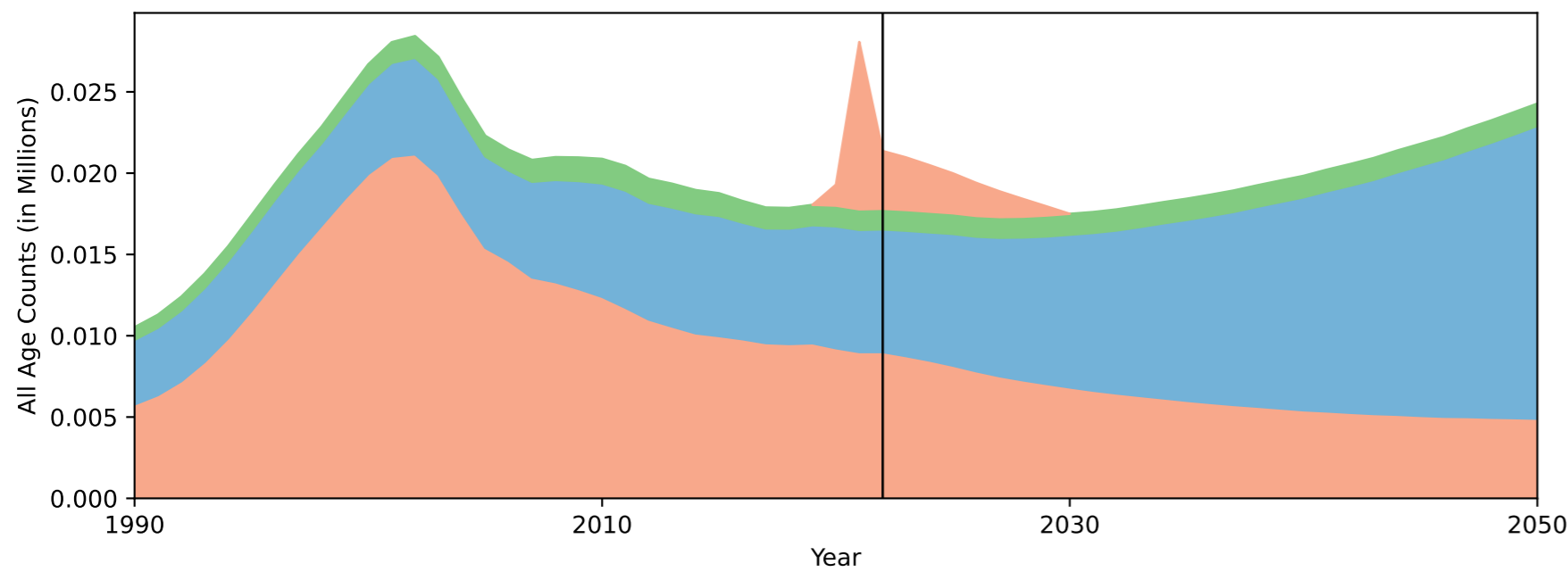
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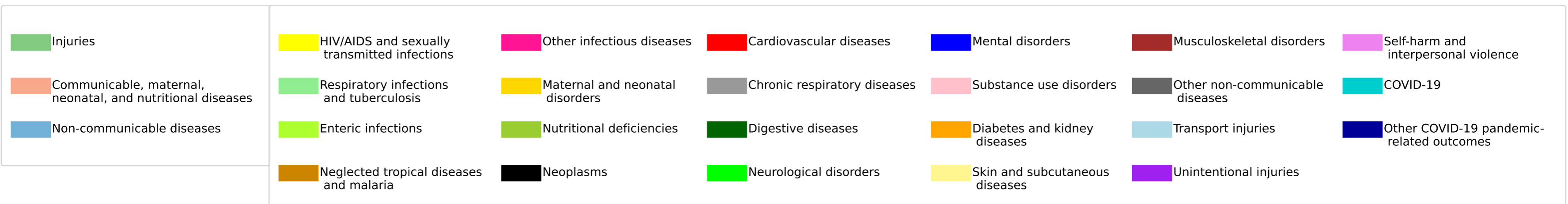
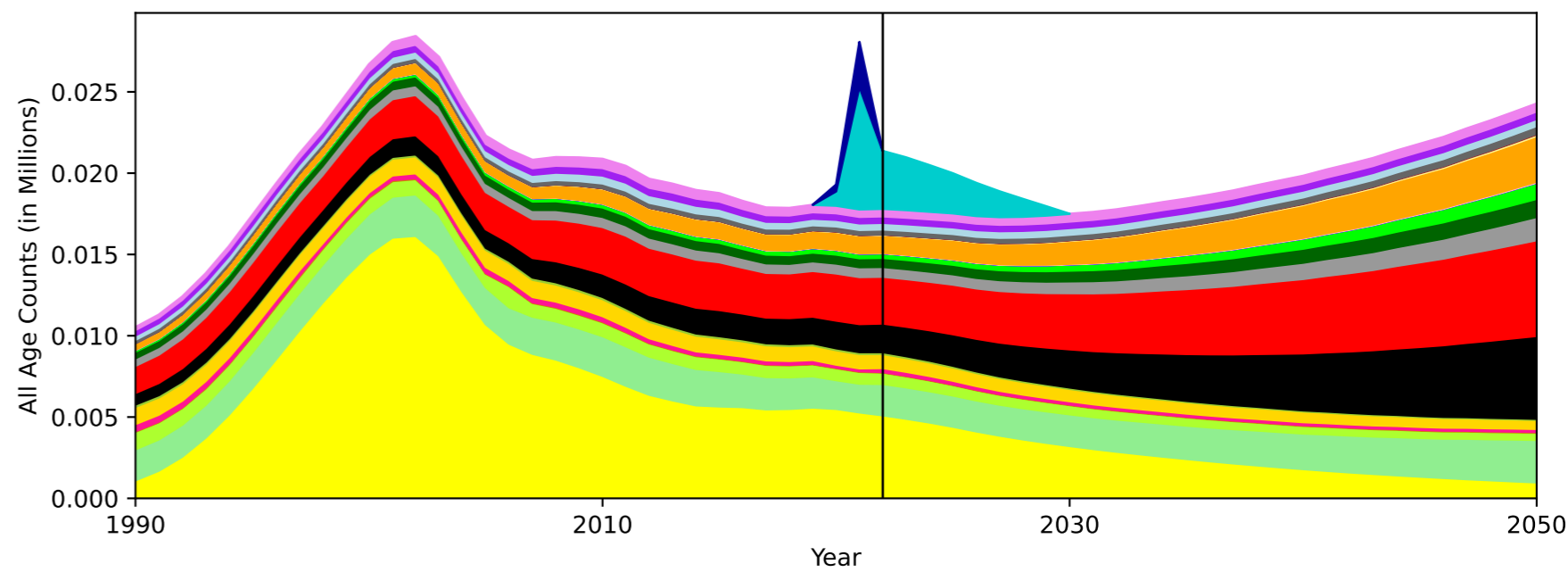
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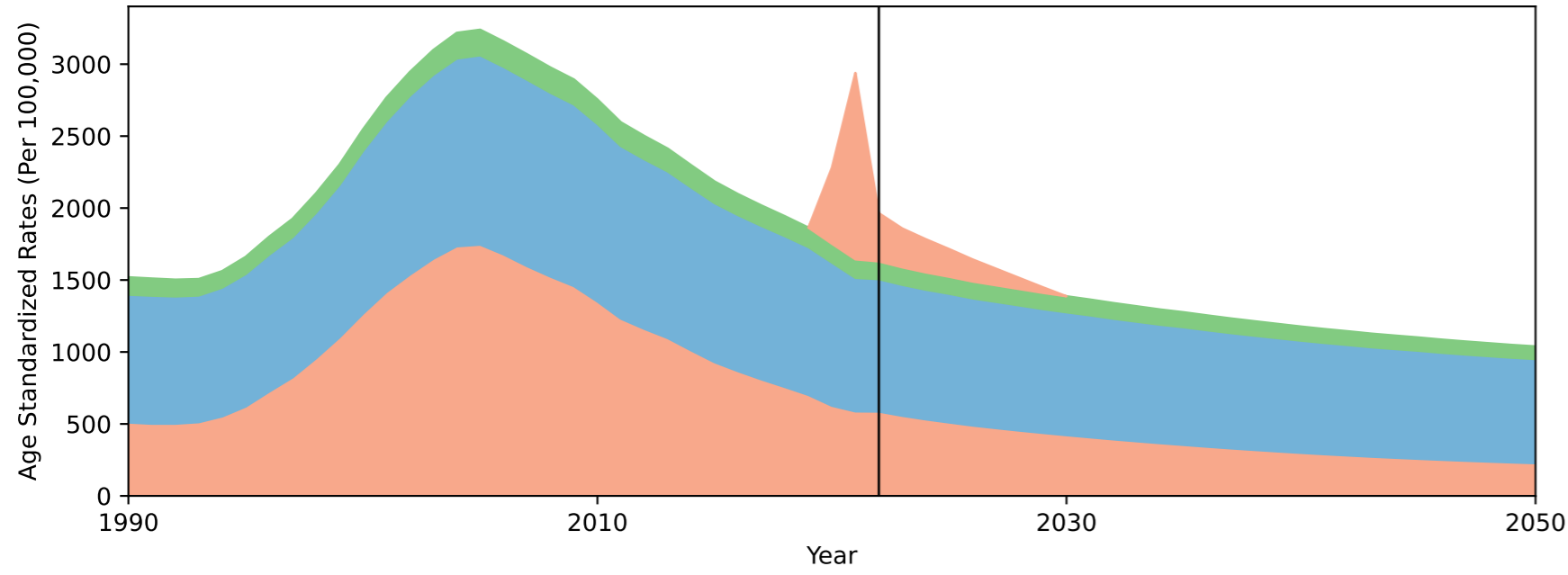


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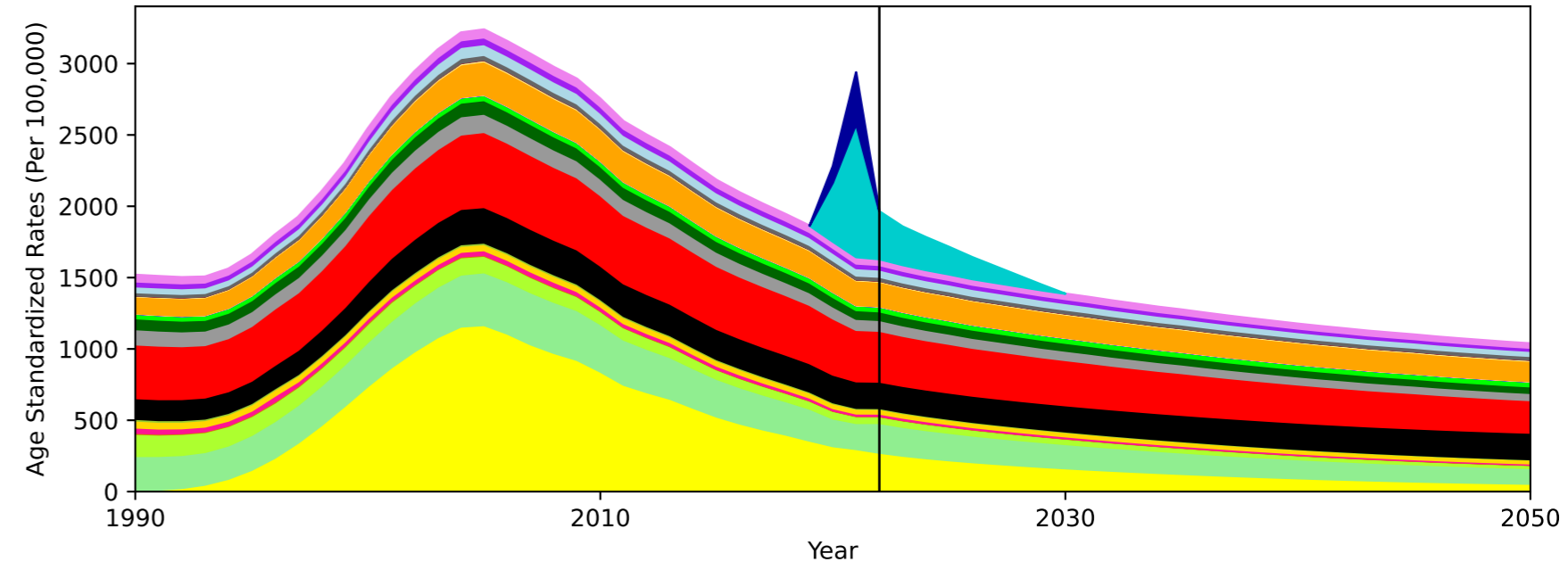


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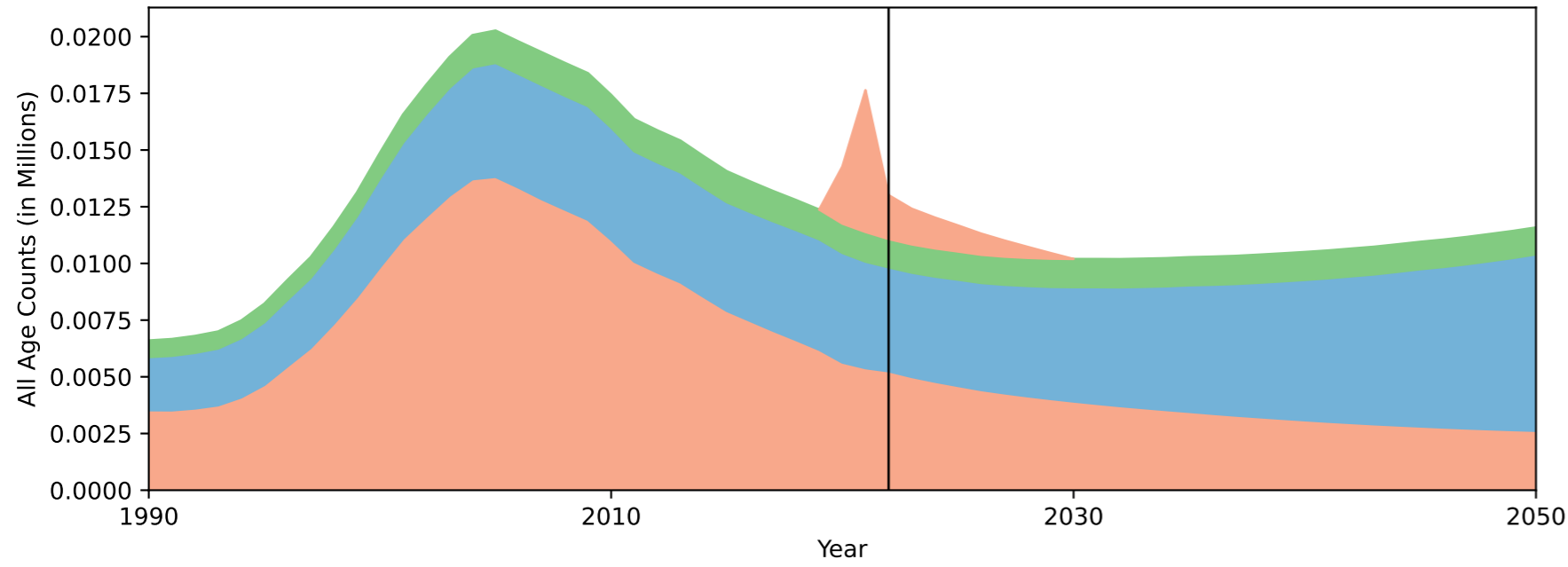
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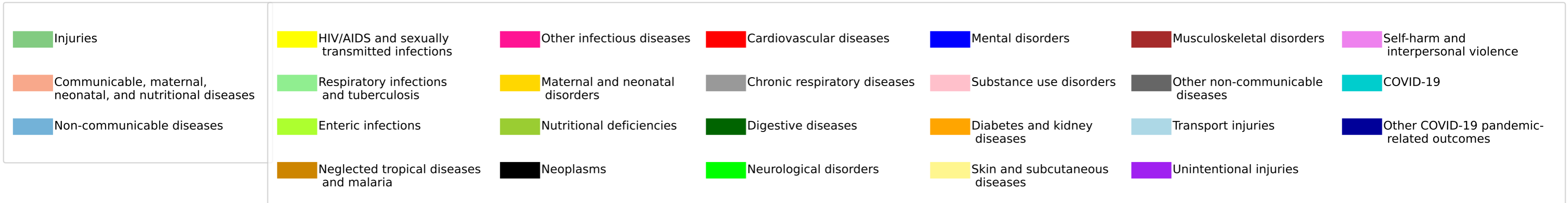
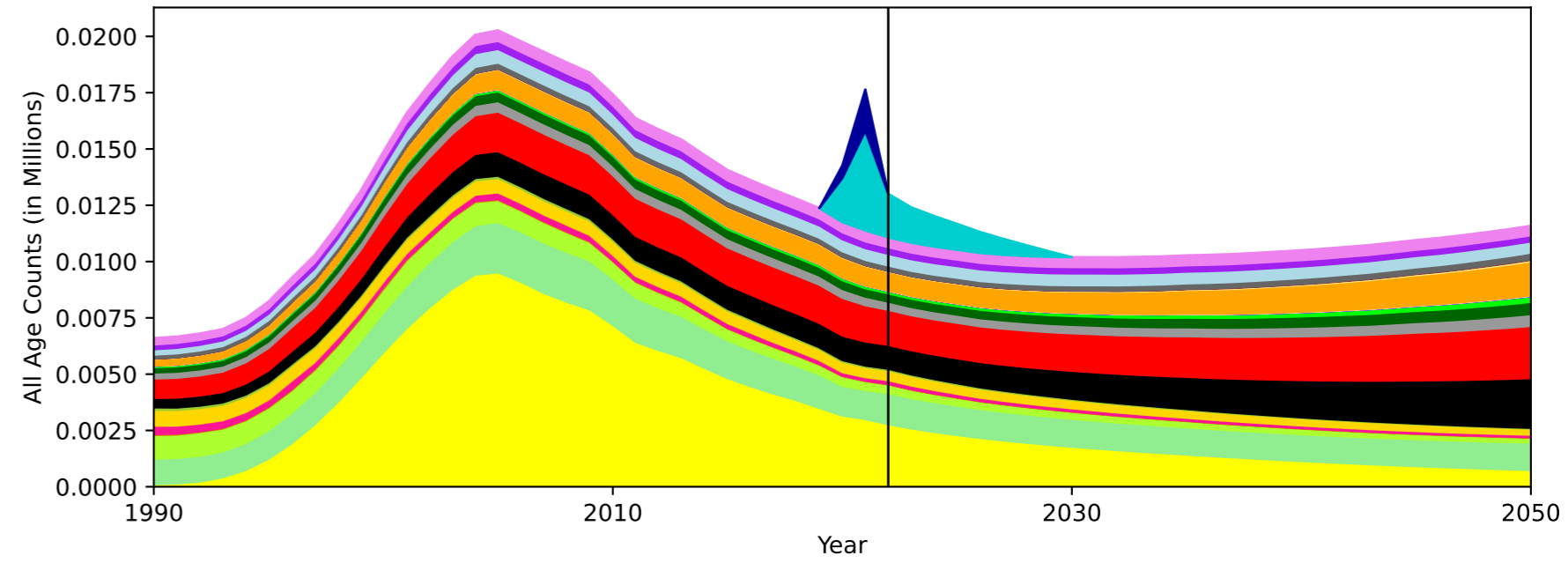
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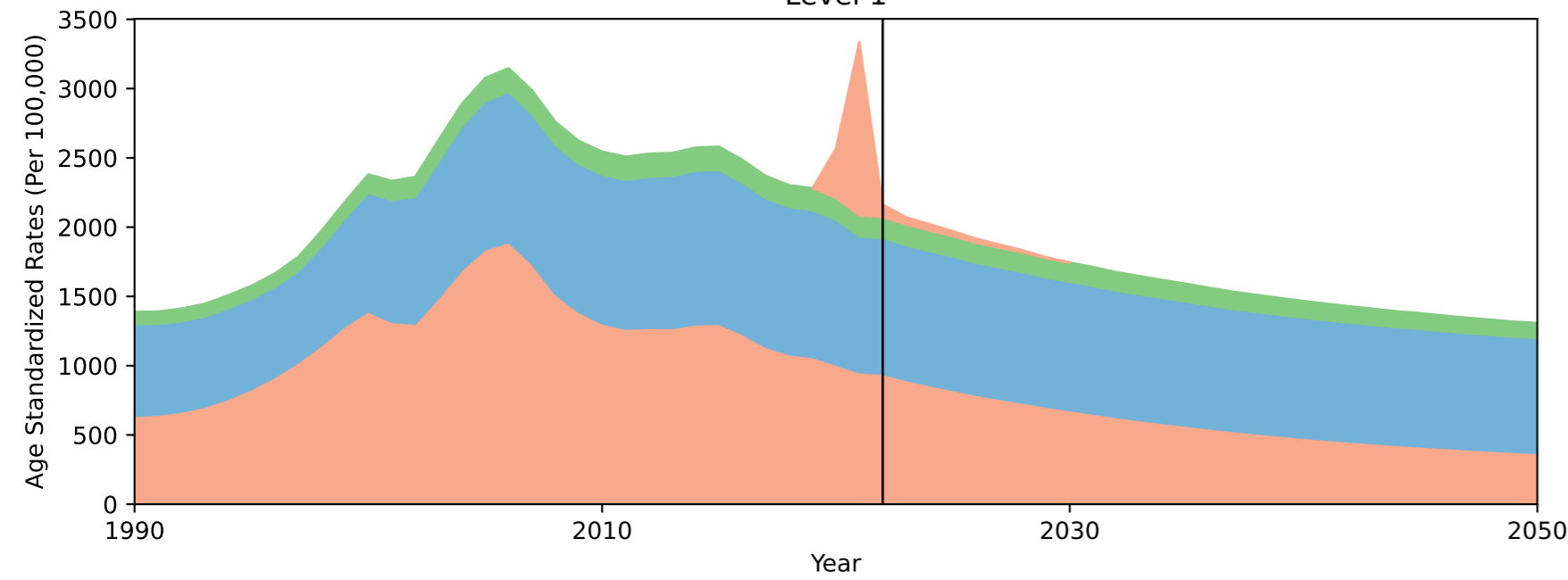


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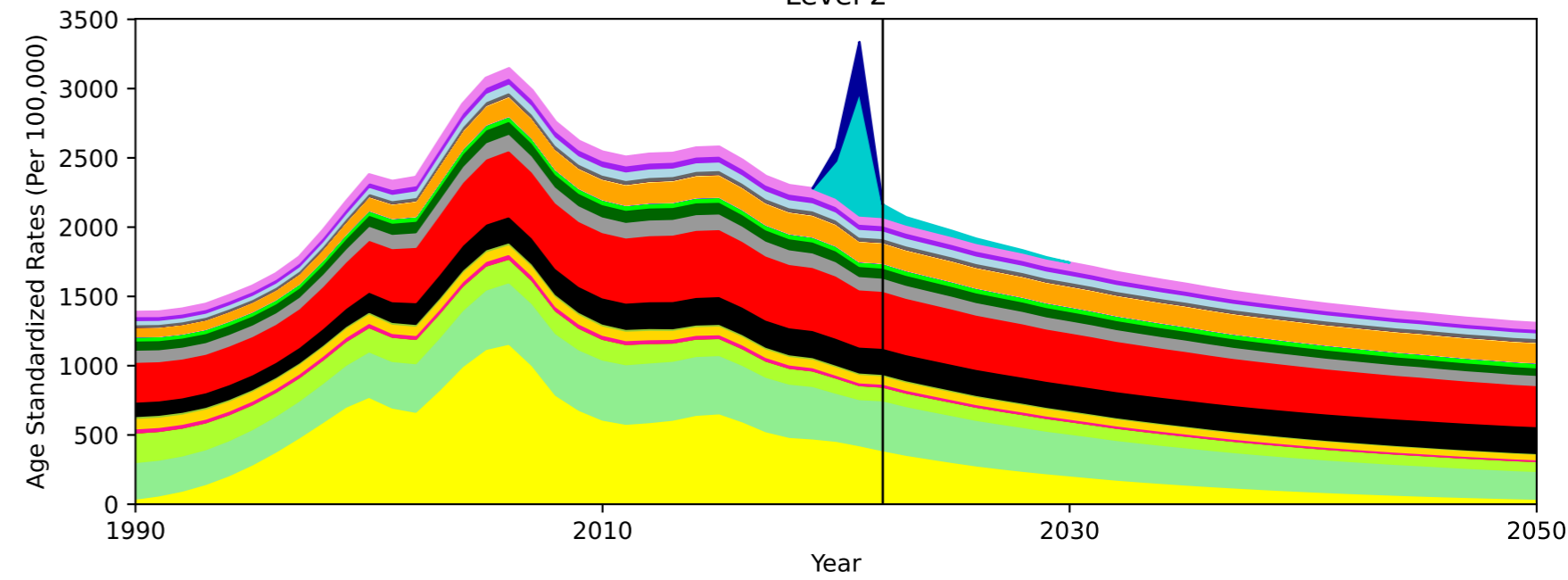


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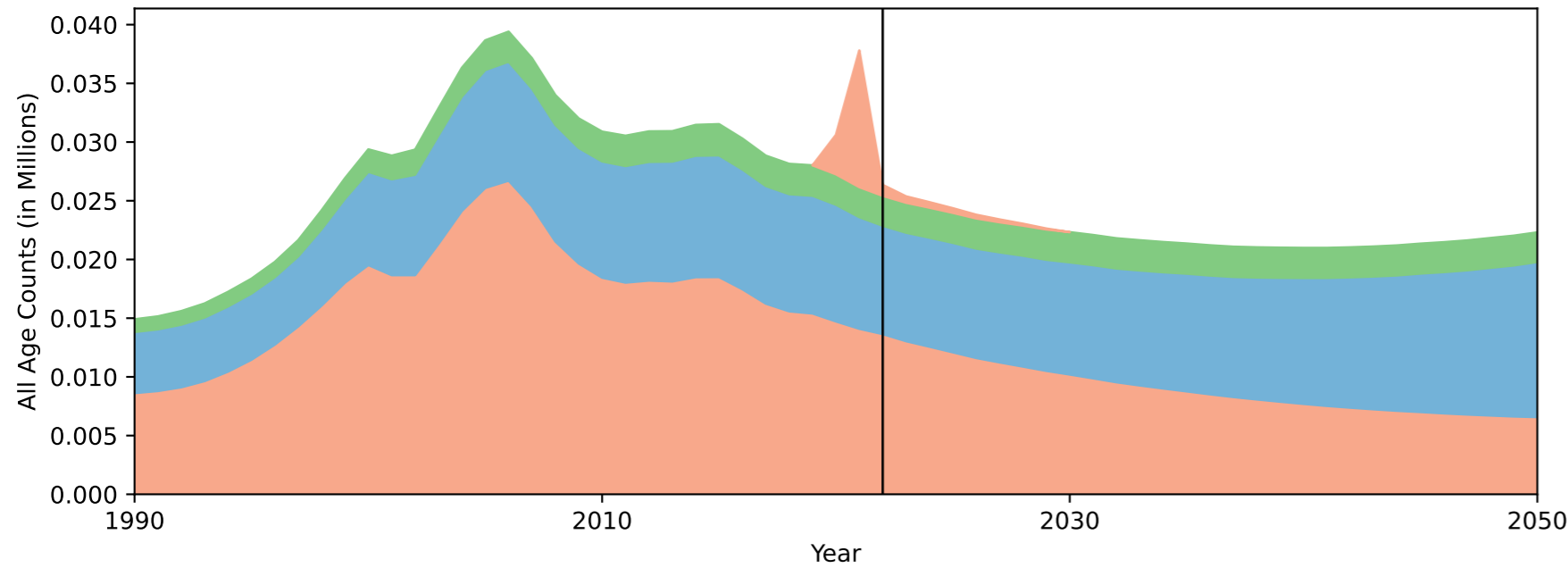
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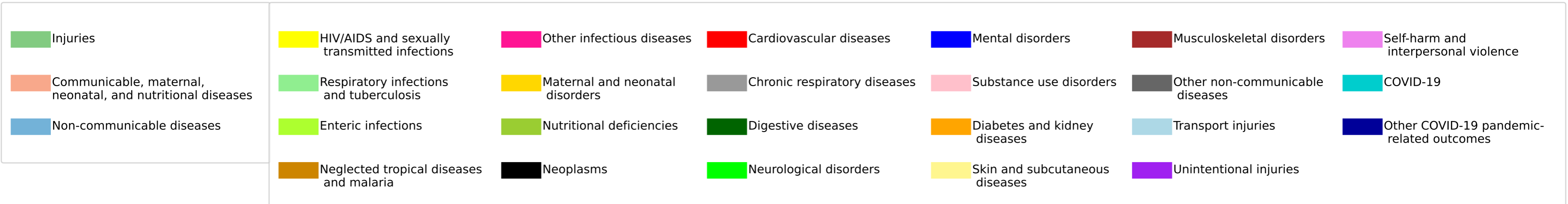
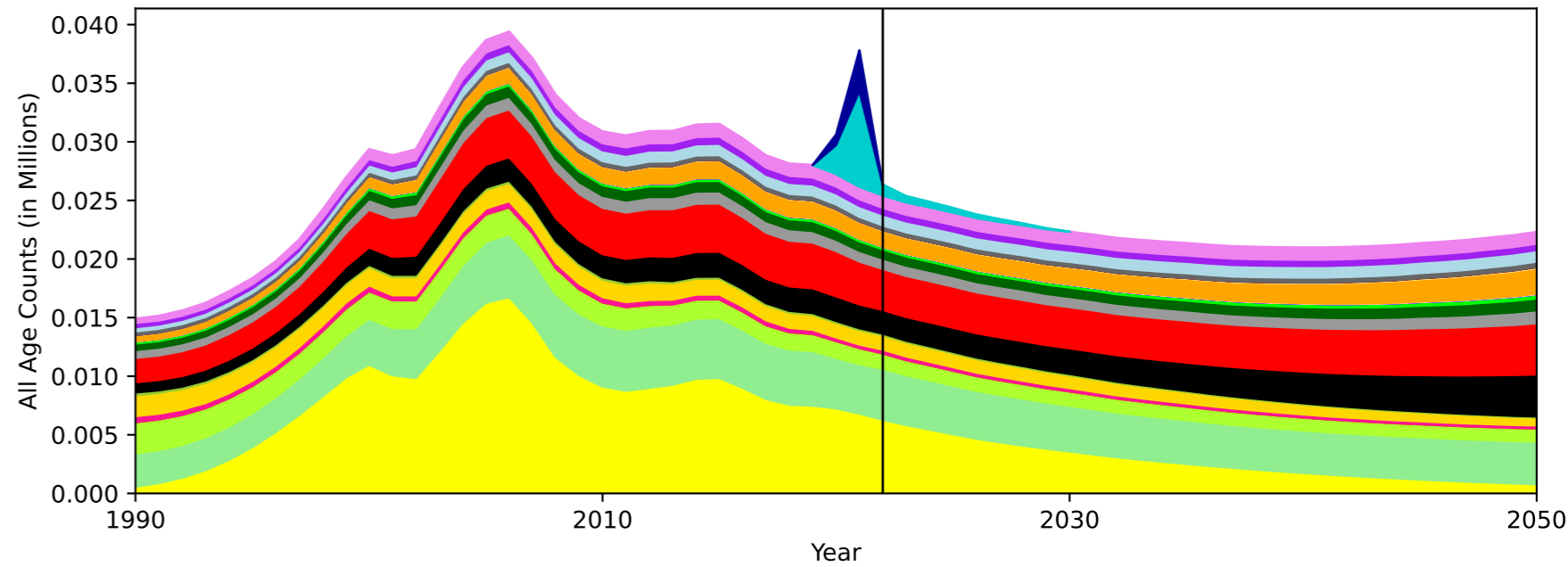
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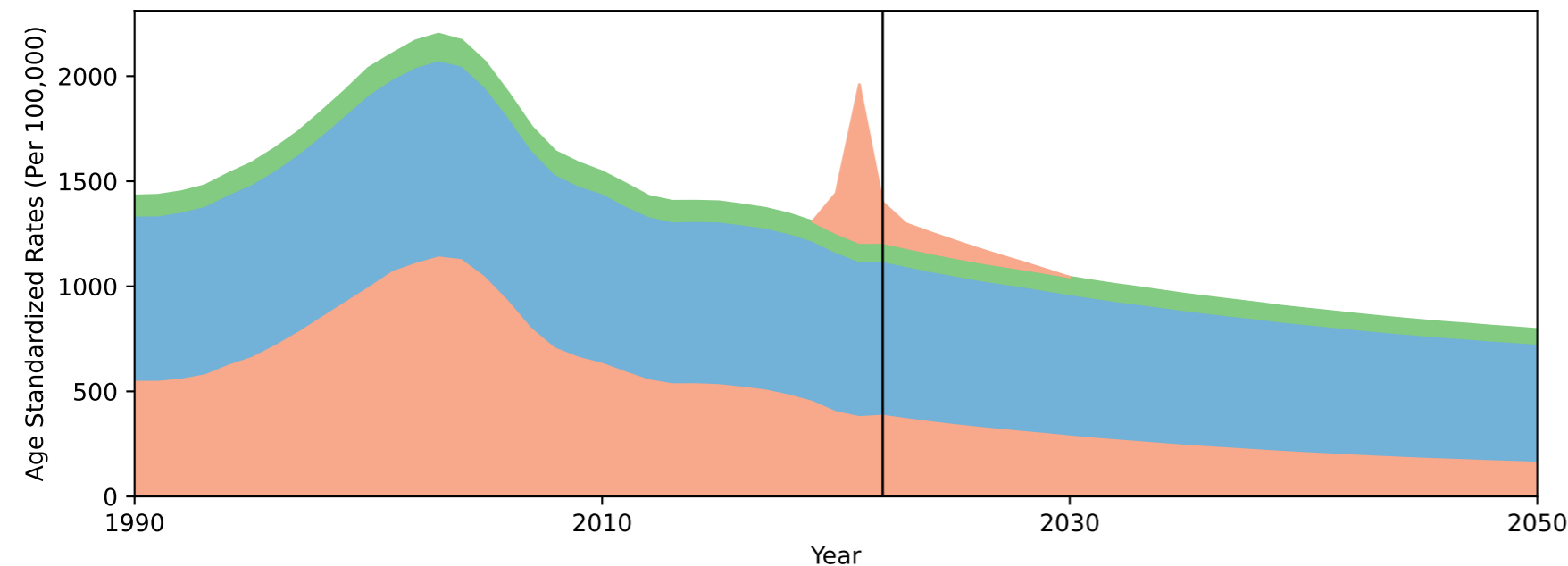


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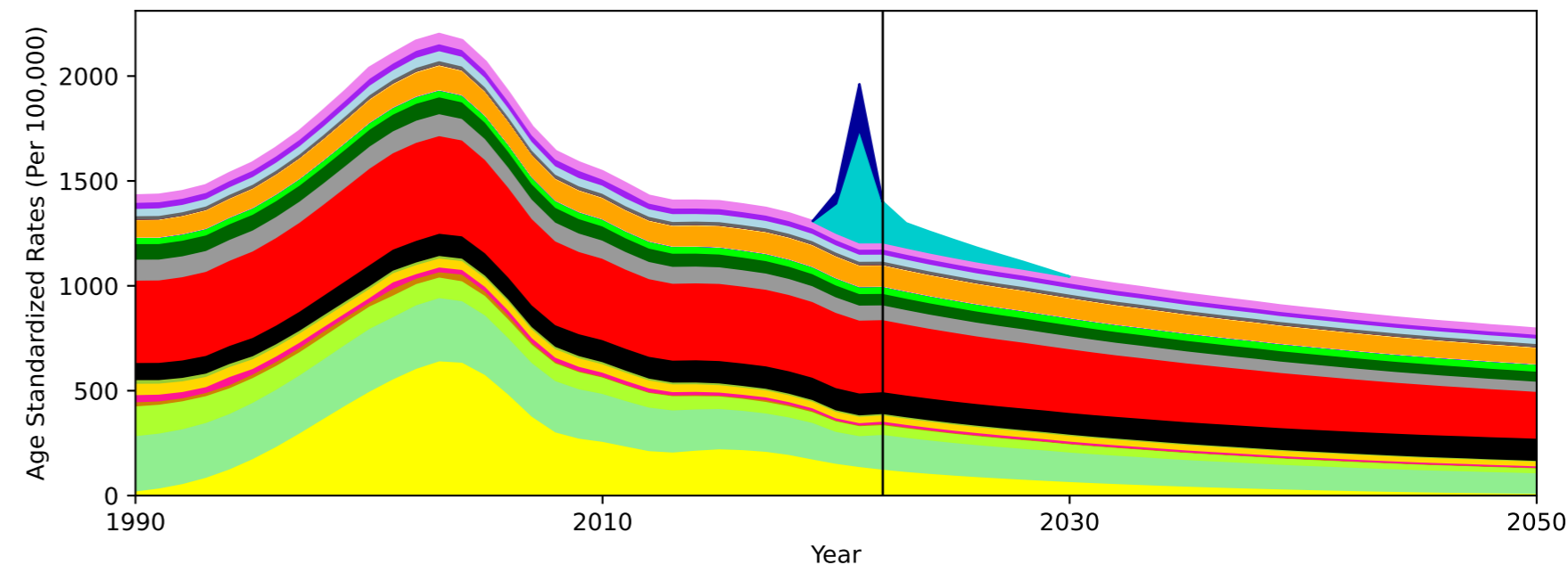


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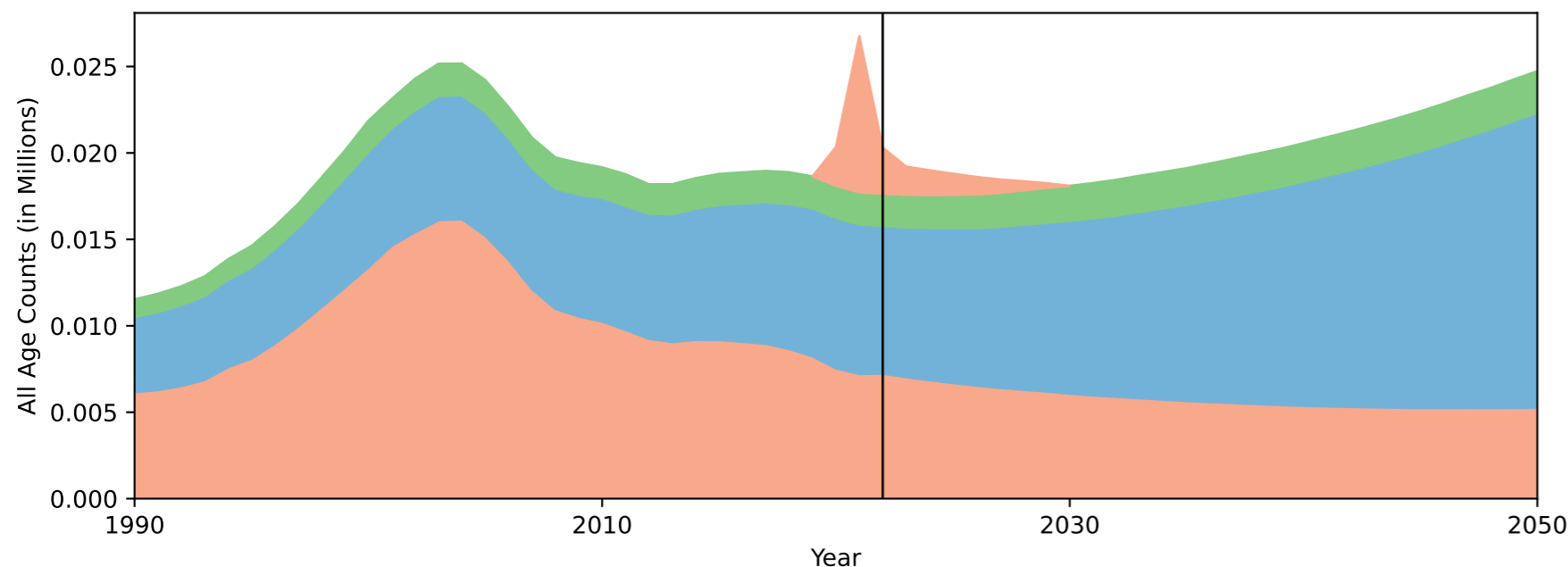
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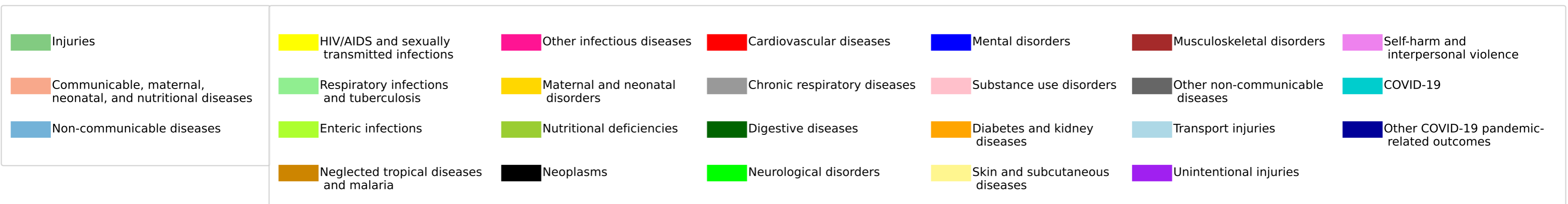
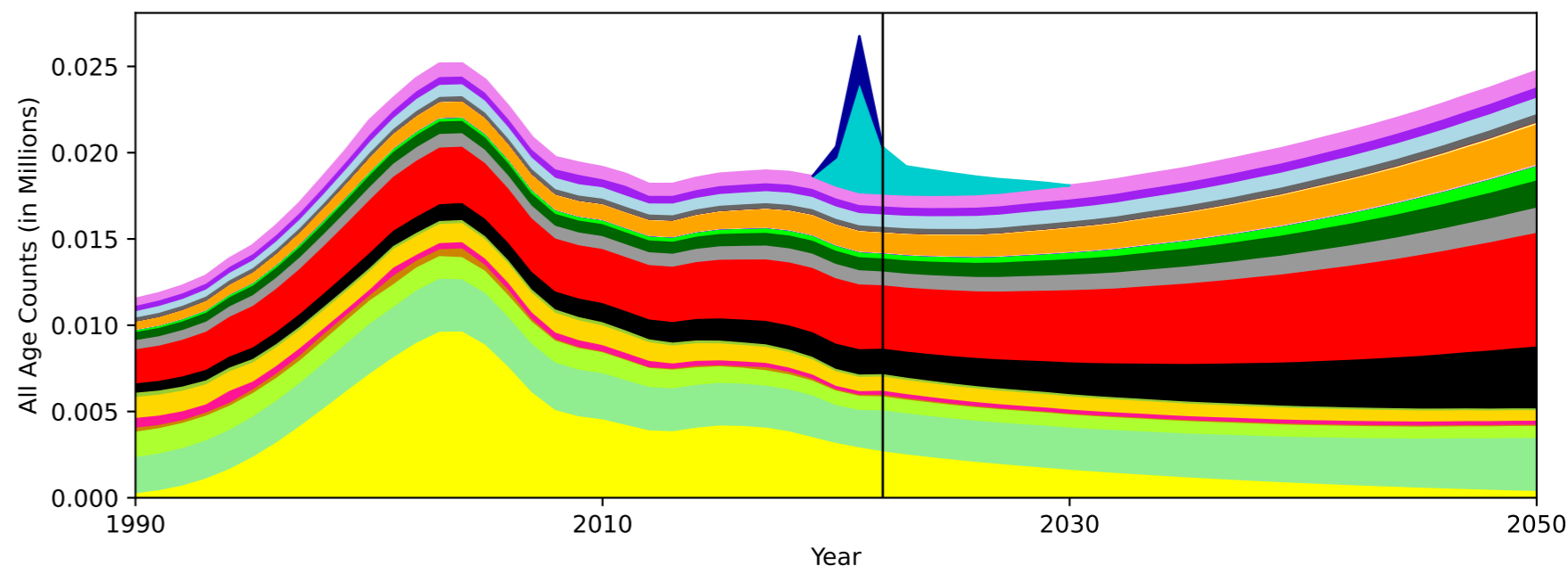
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Level 1

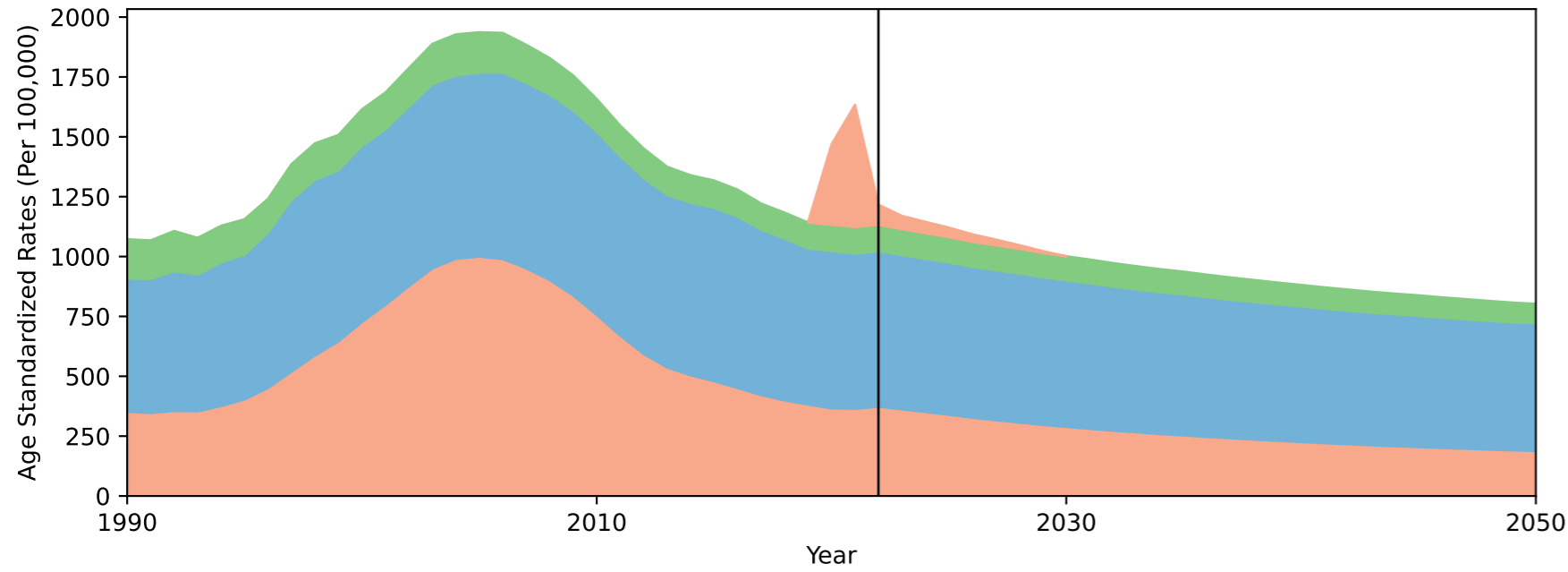


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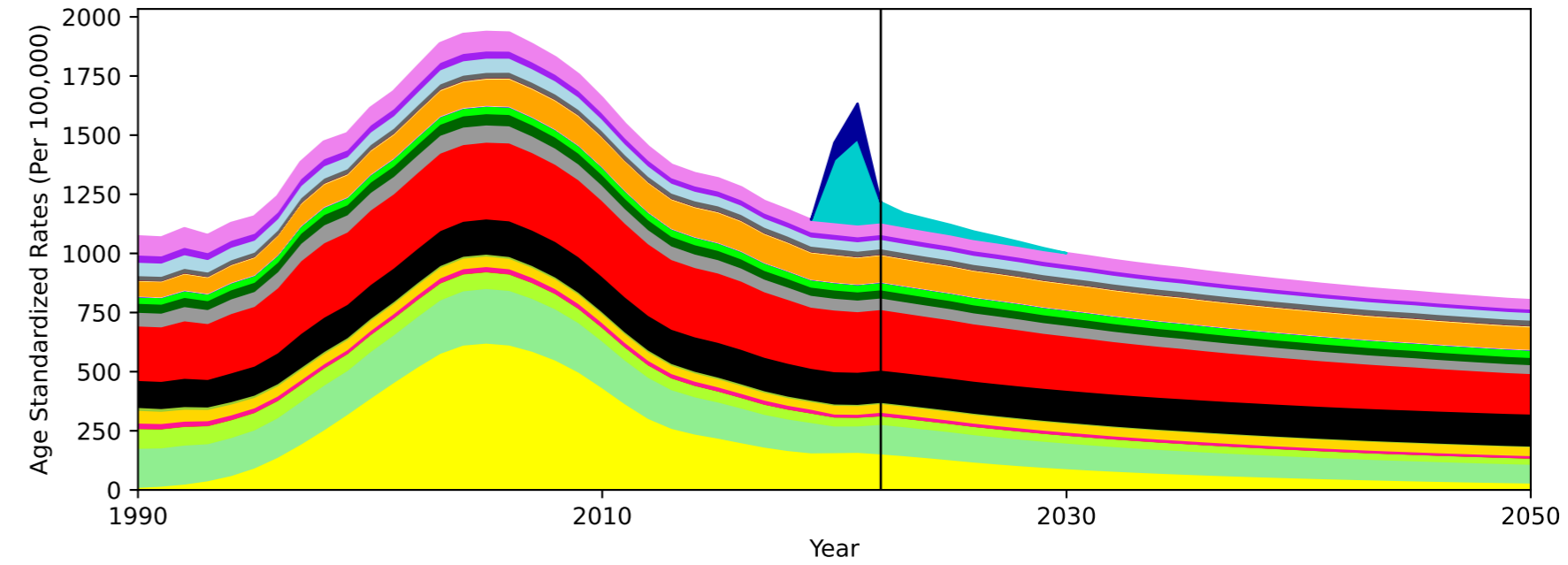


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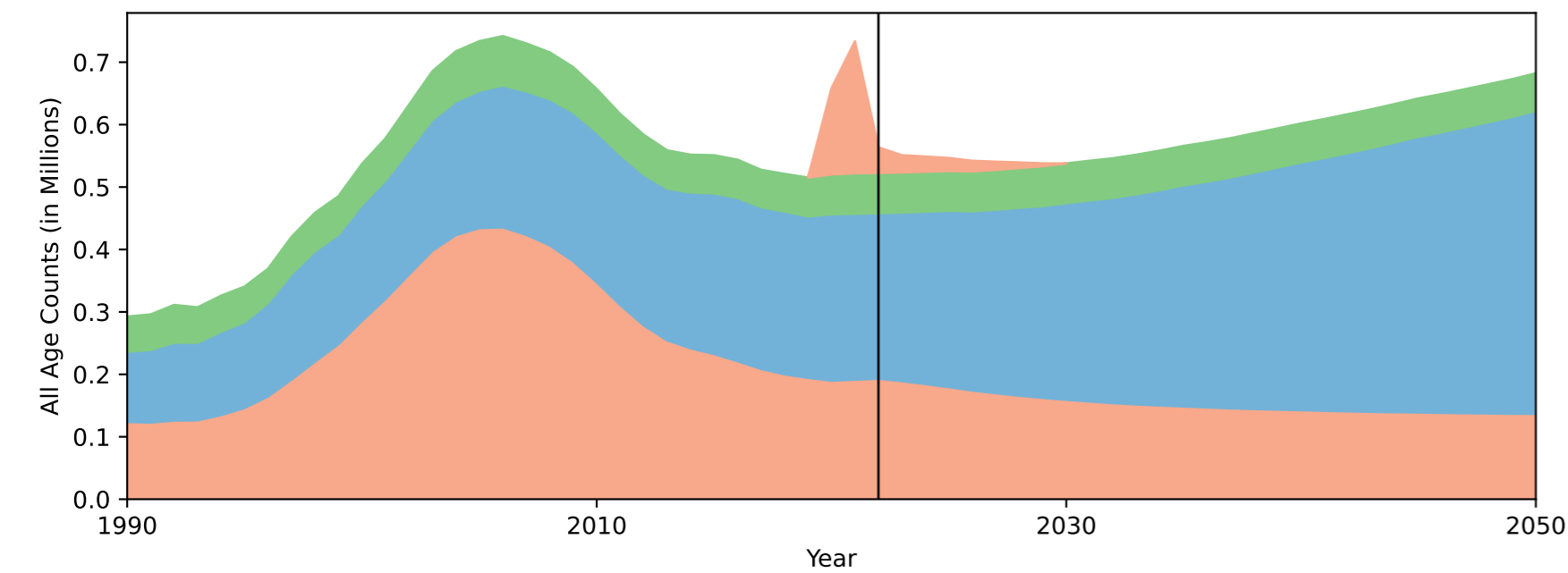
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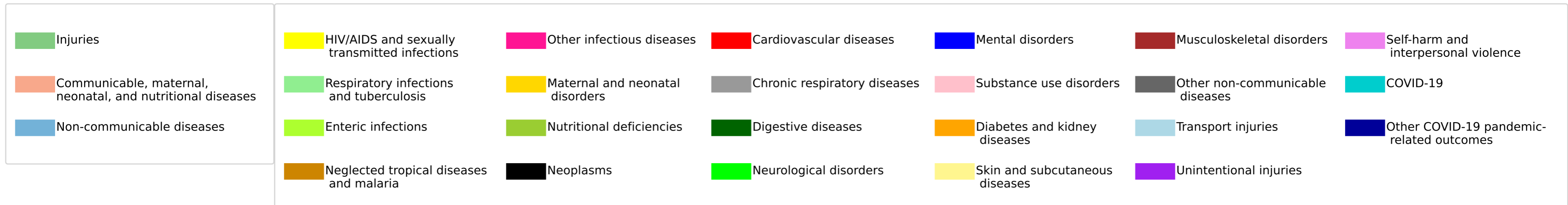
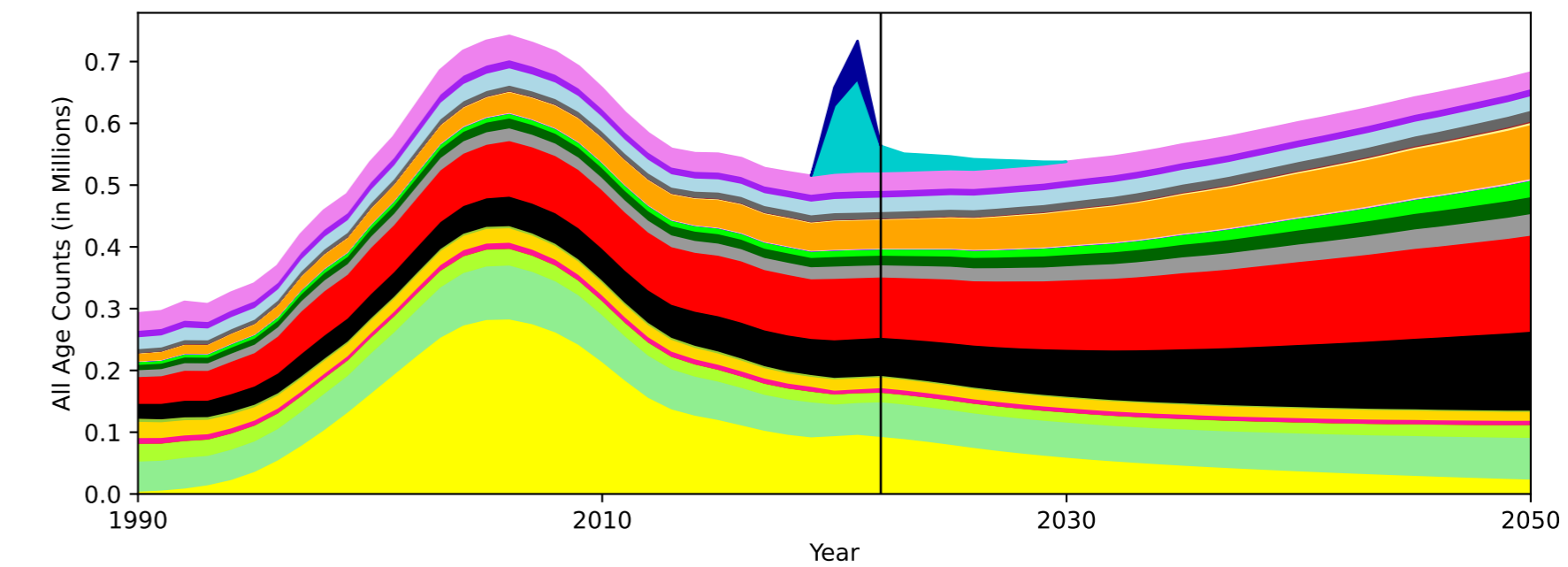
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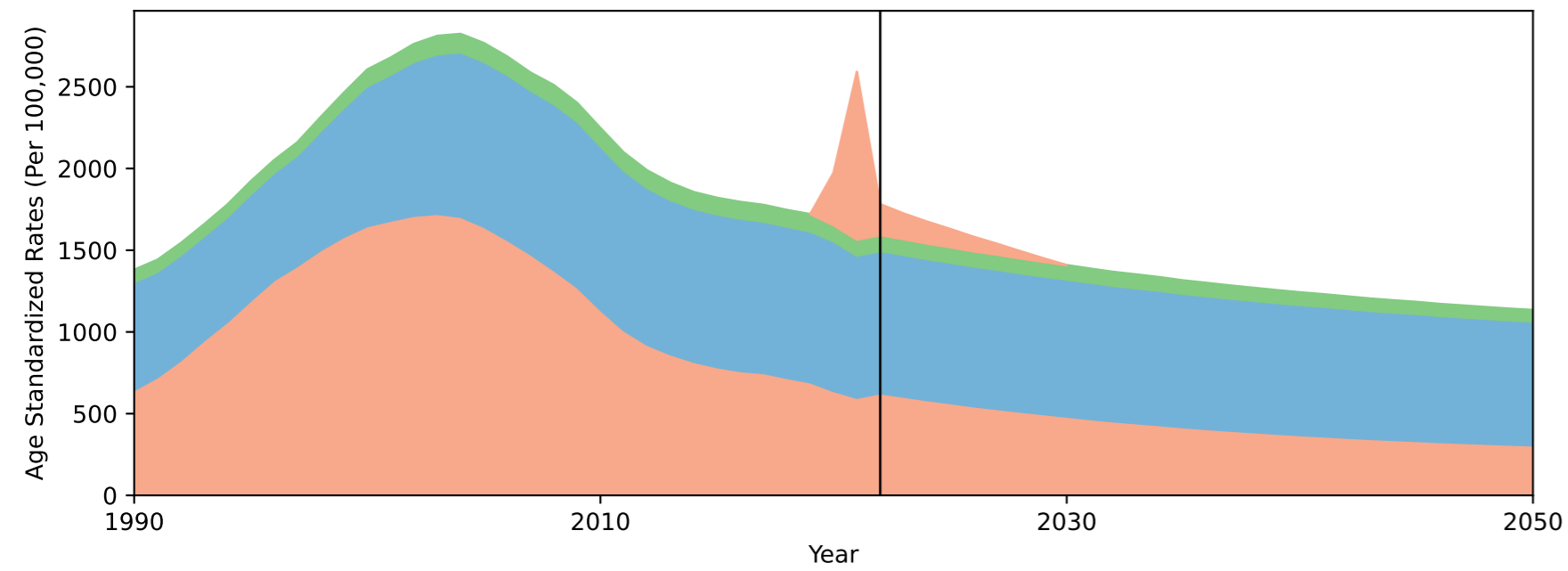


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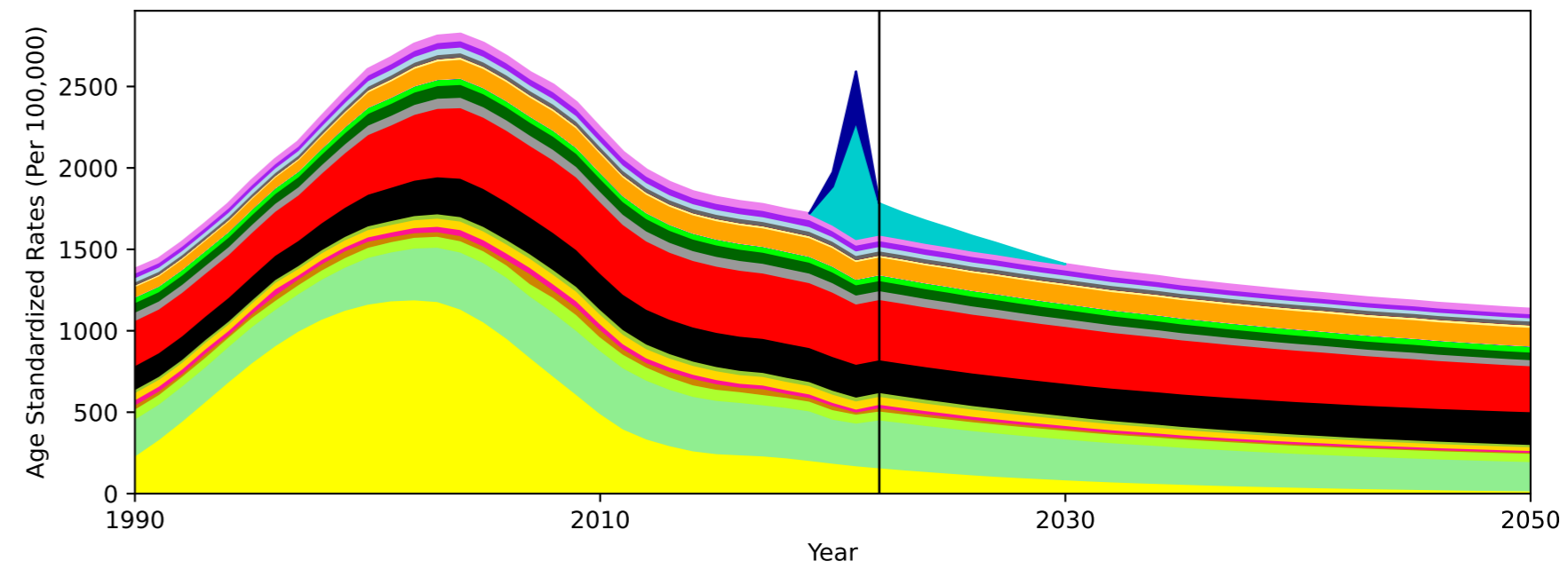


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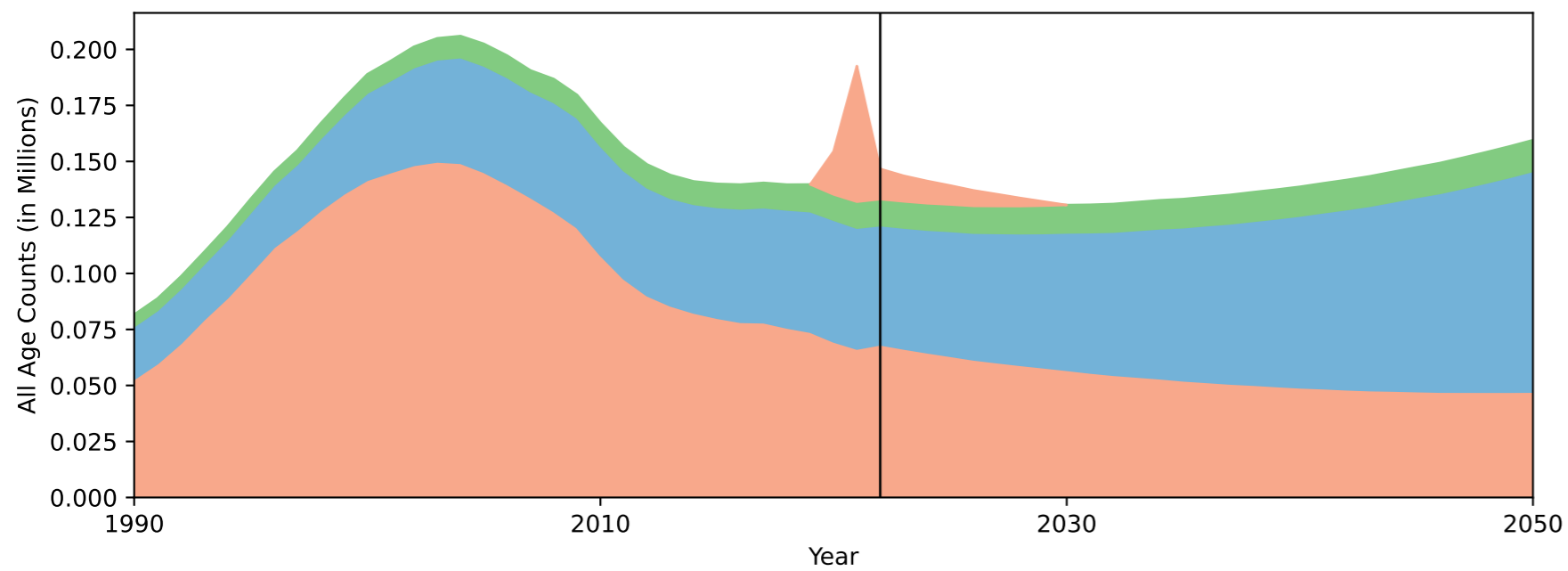
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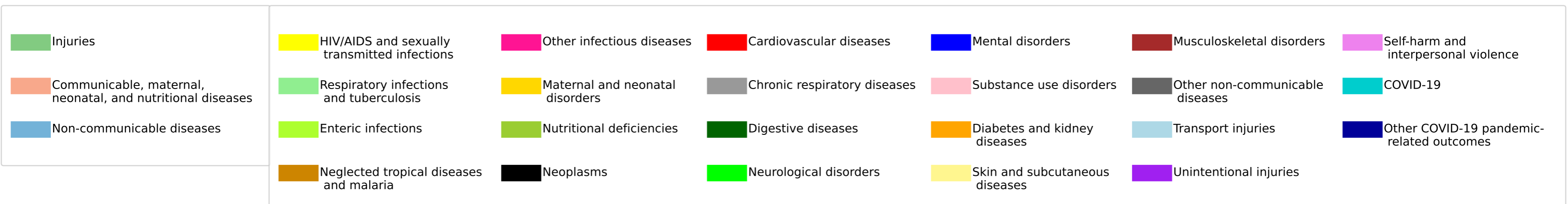
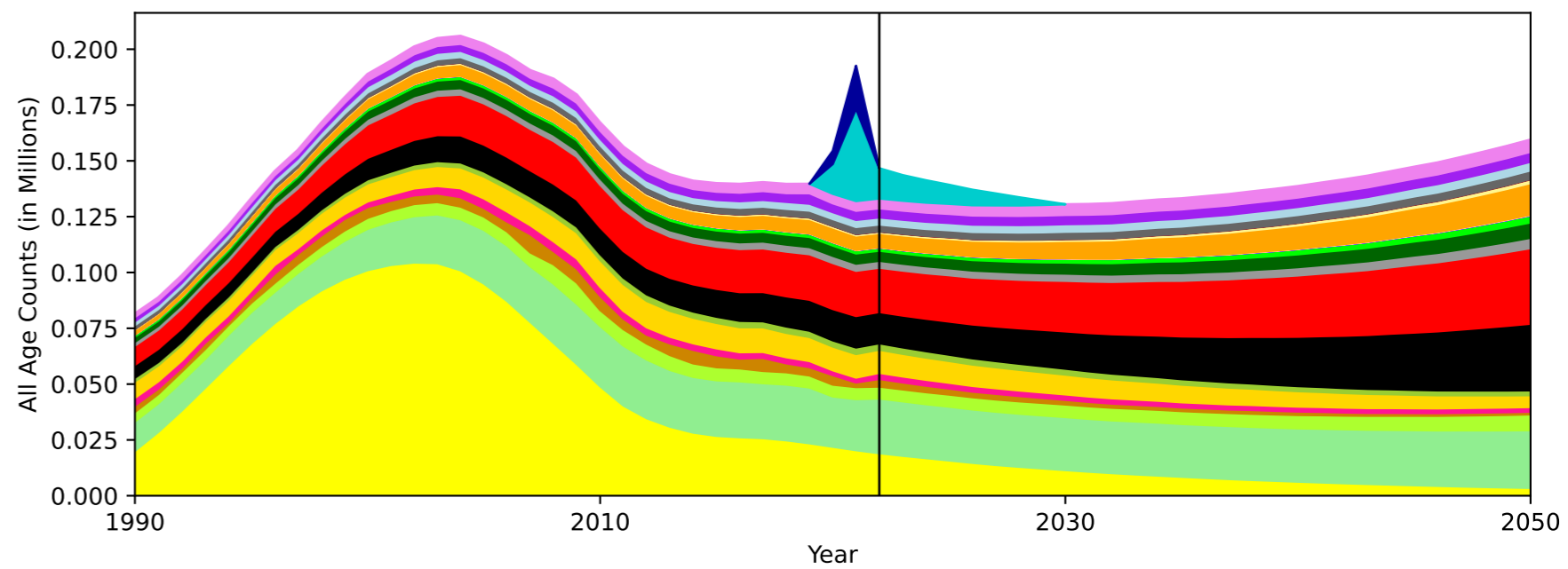
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Level 1

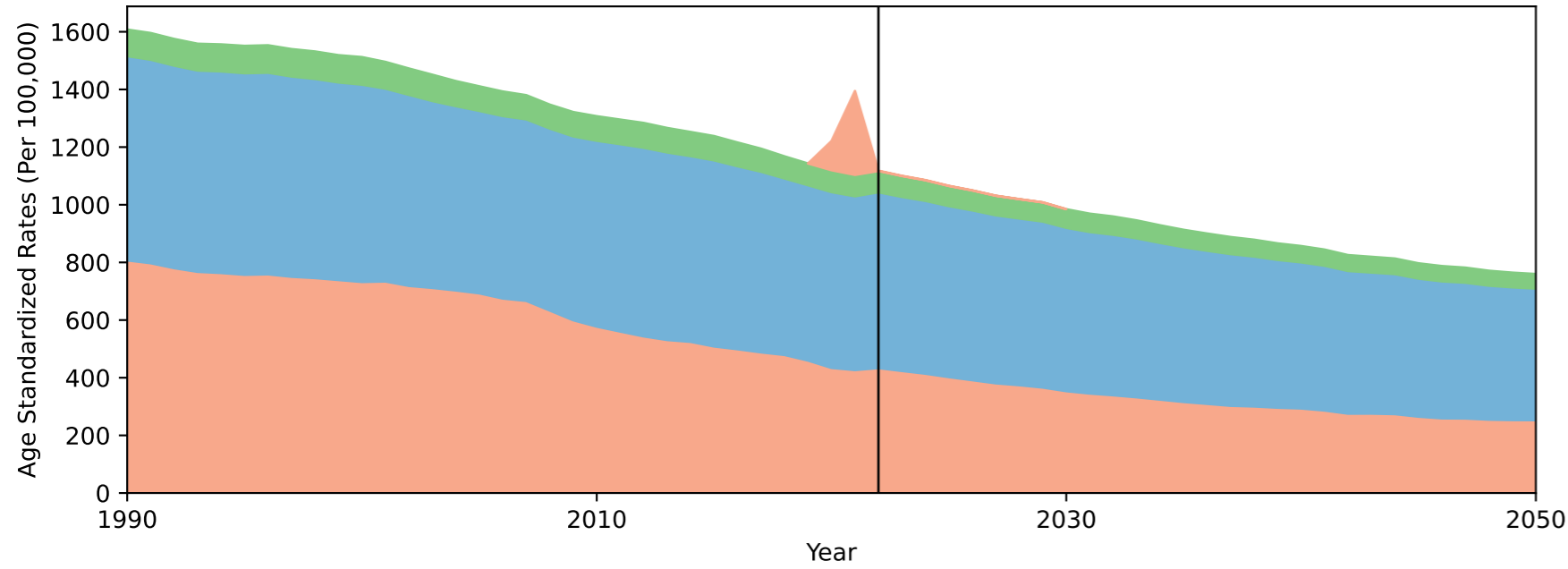


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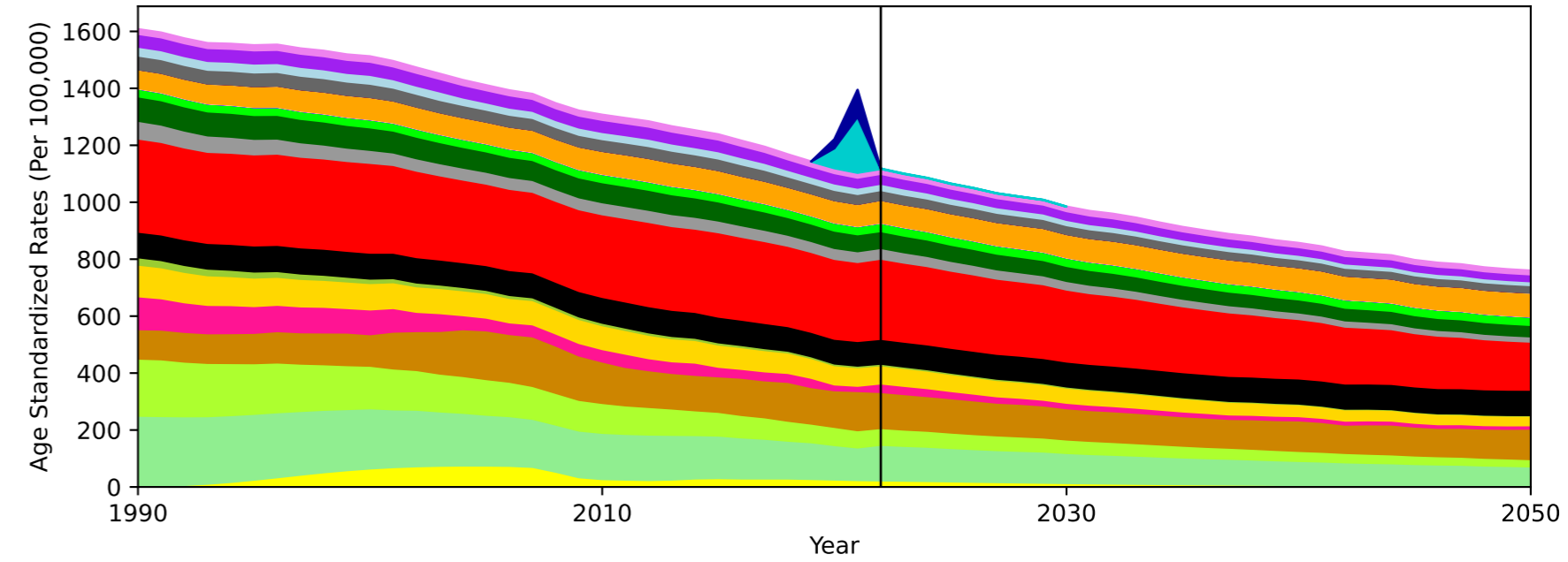


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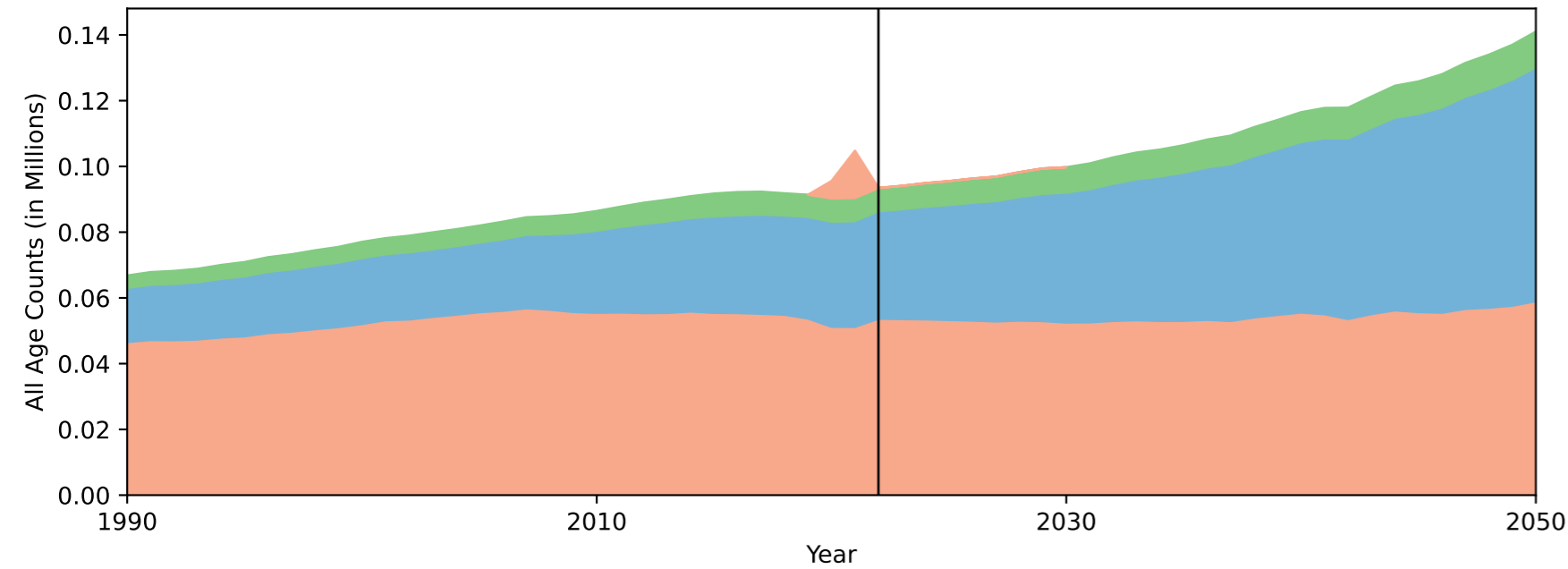
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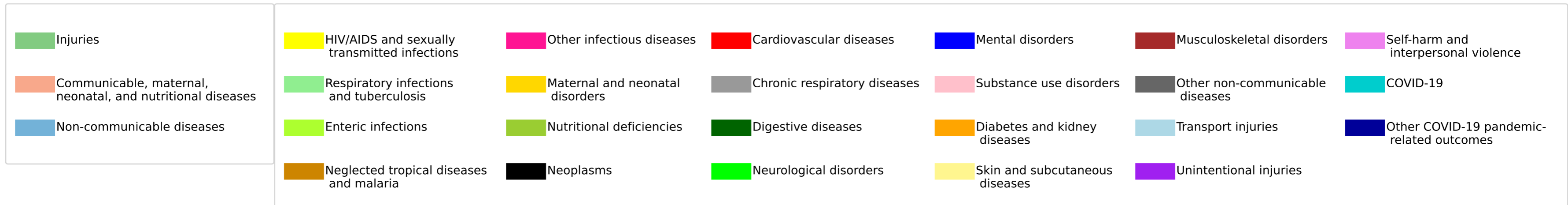
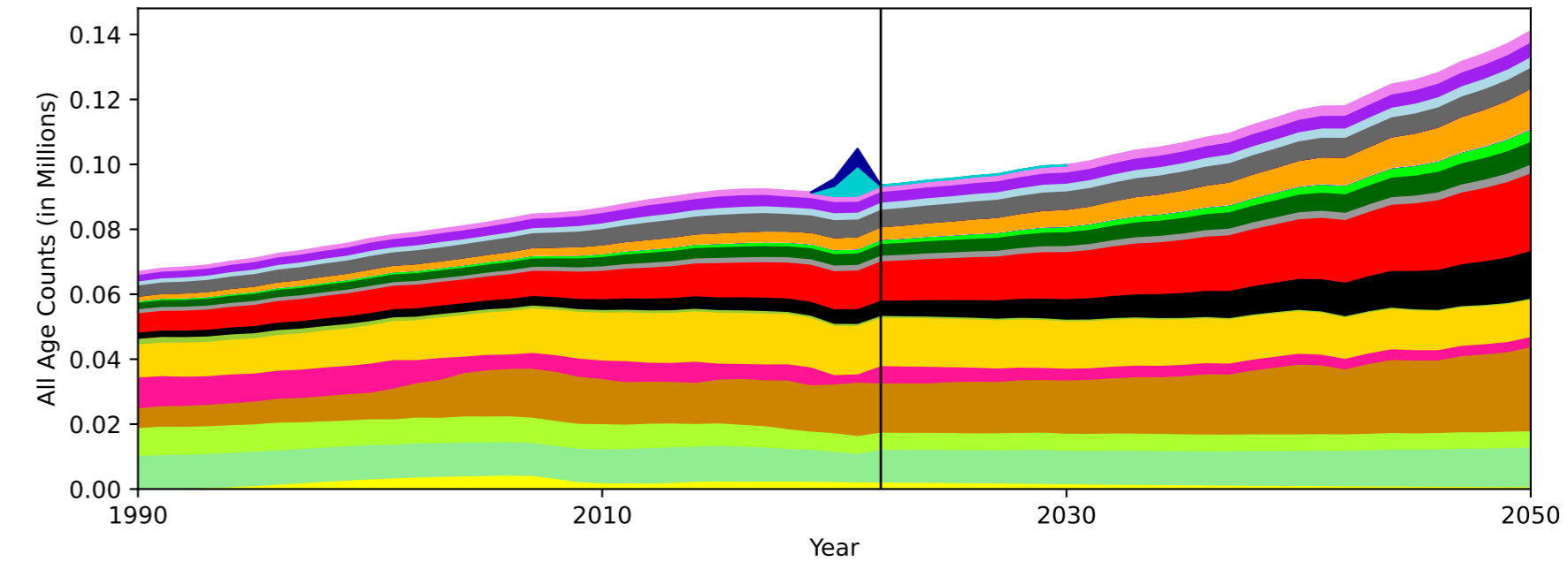
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Level 1



Level 2



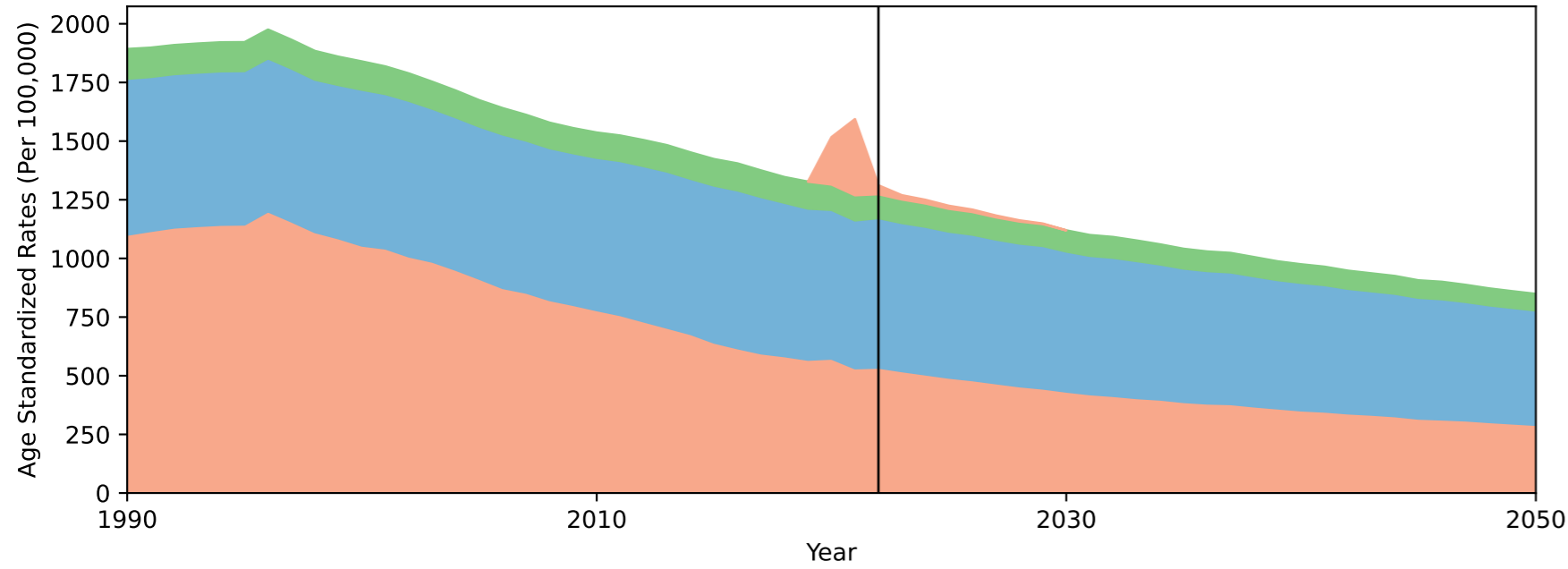


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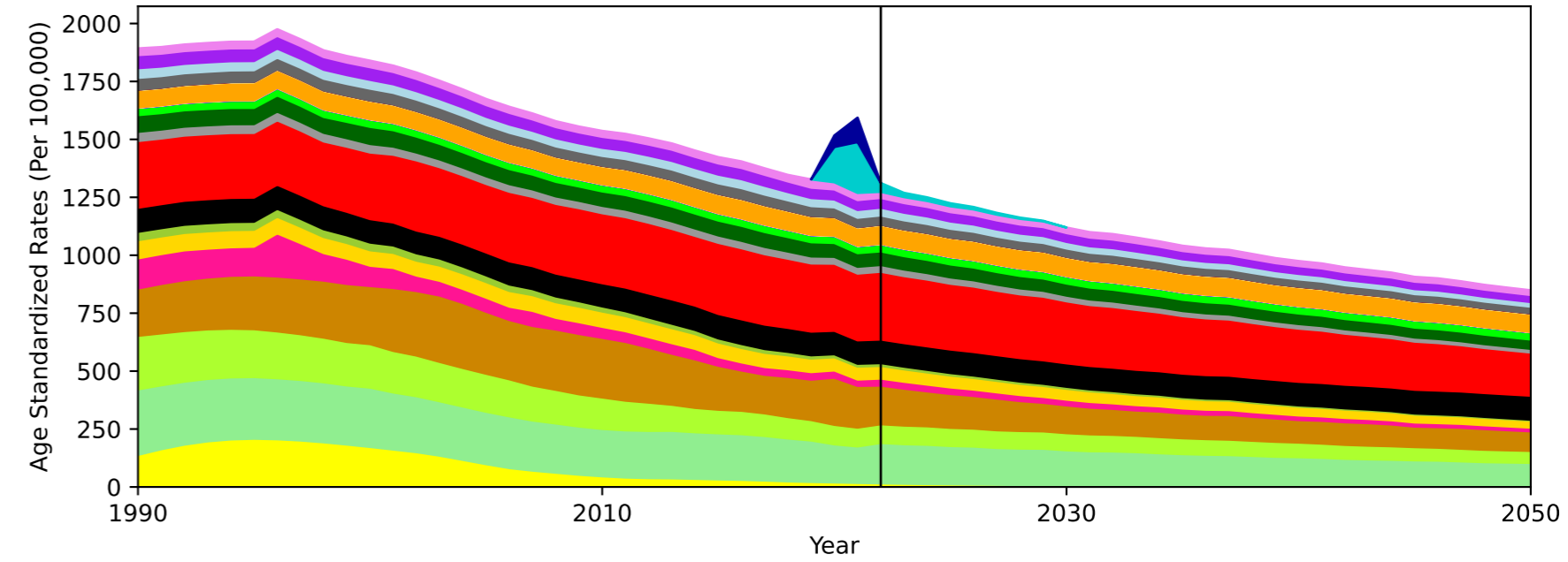
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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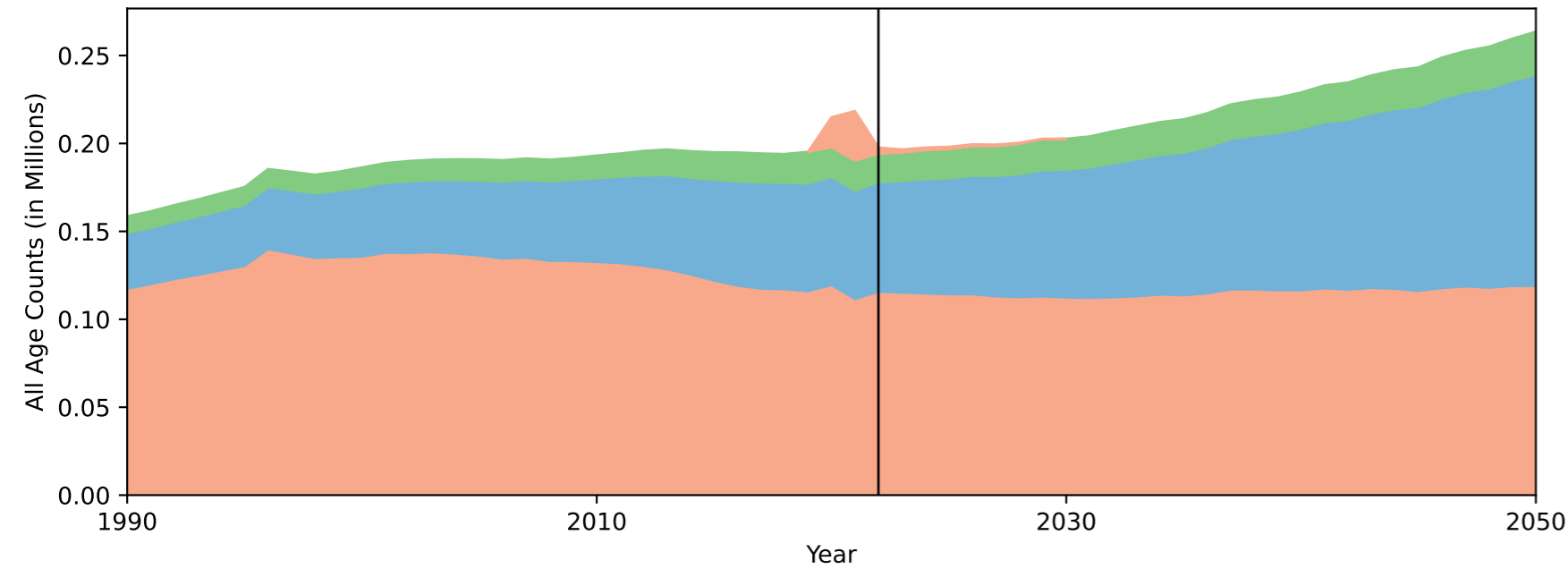
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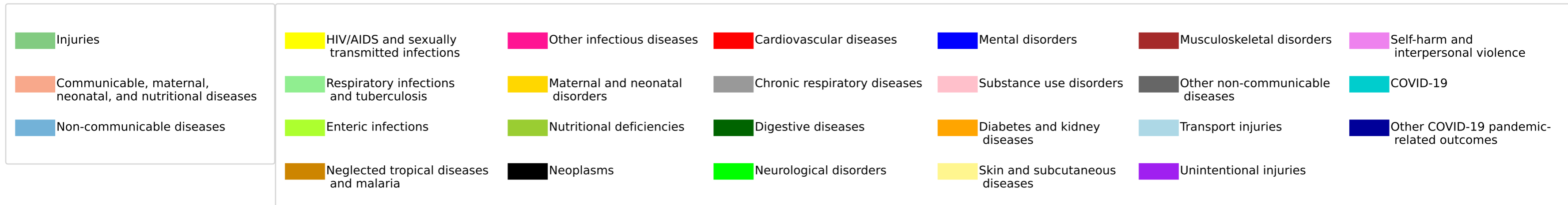
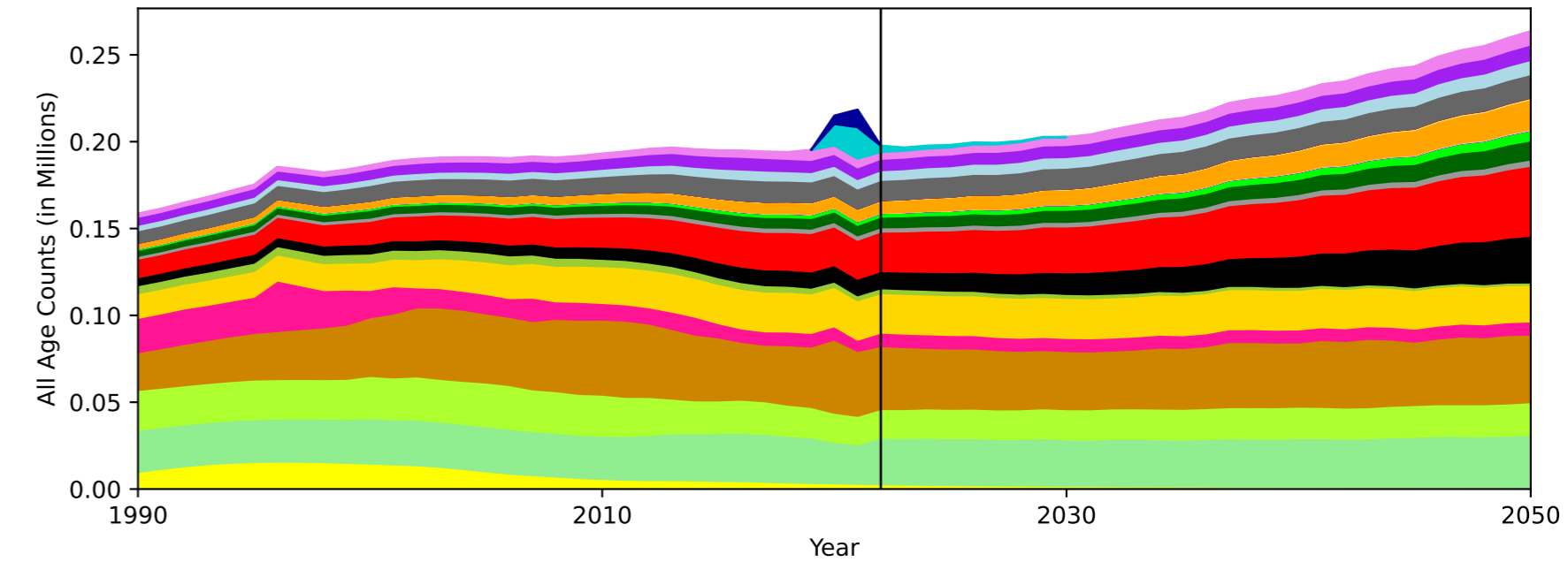
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Level 1

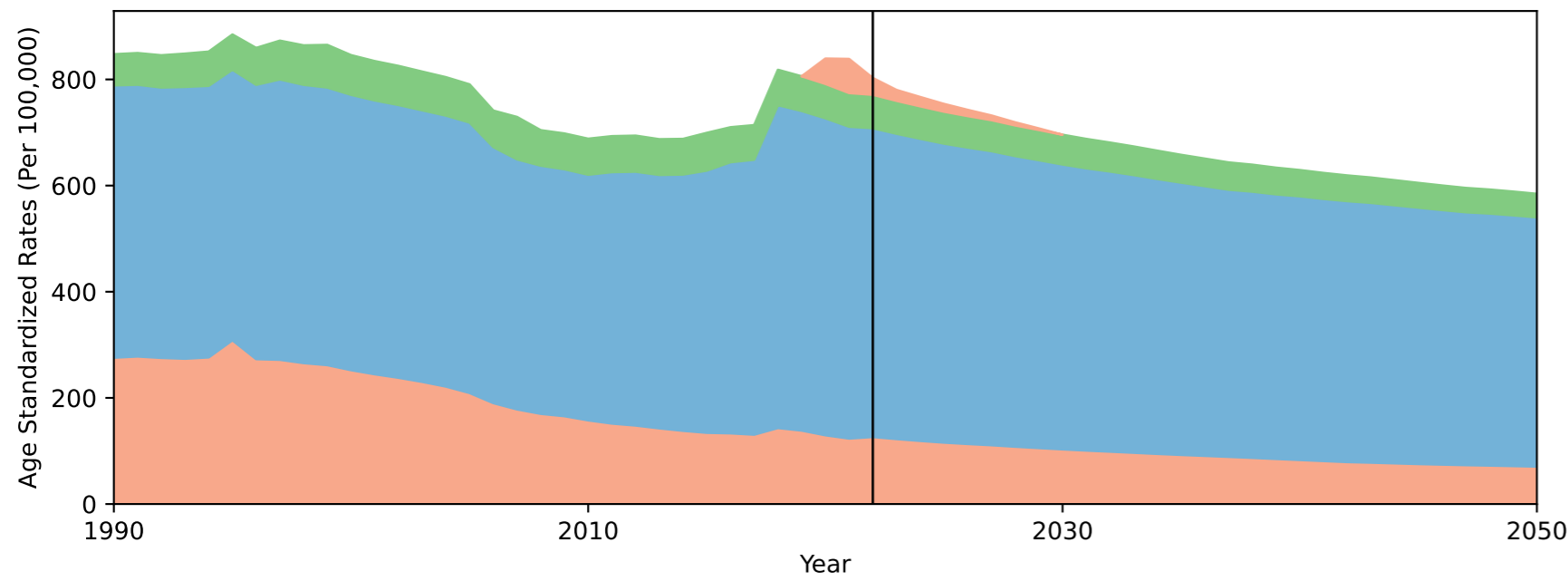


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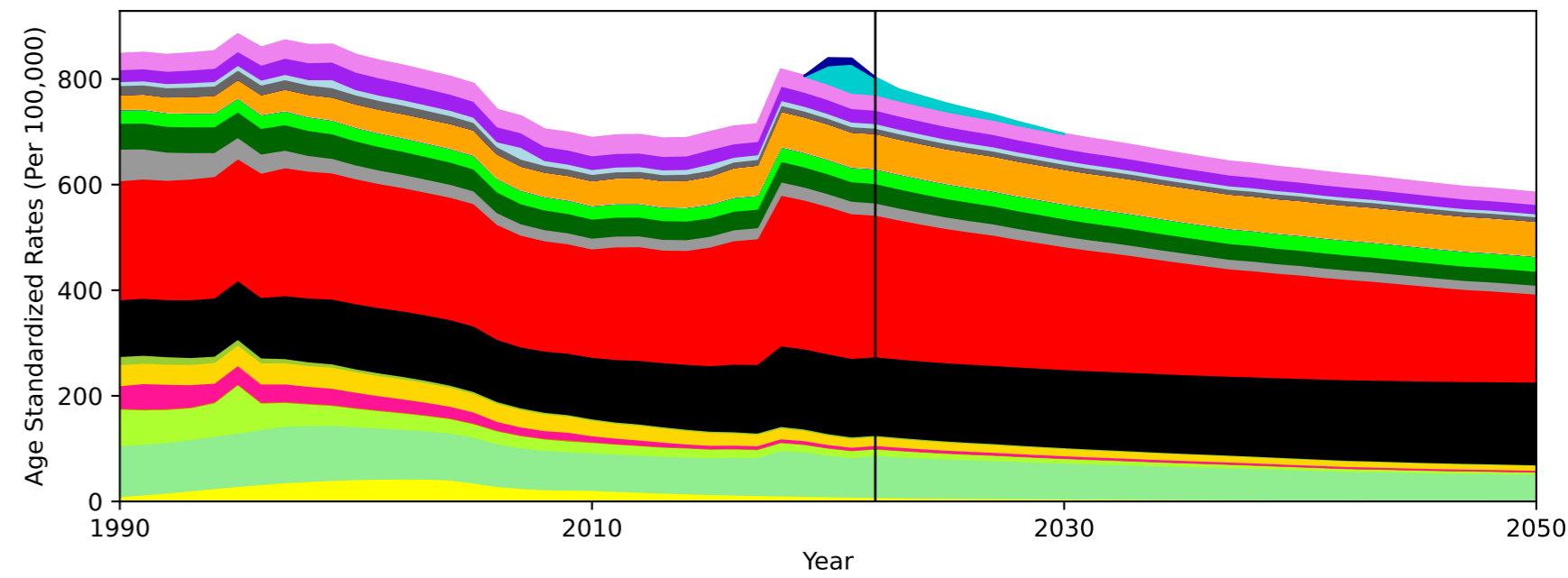


# Cabo Verde

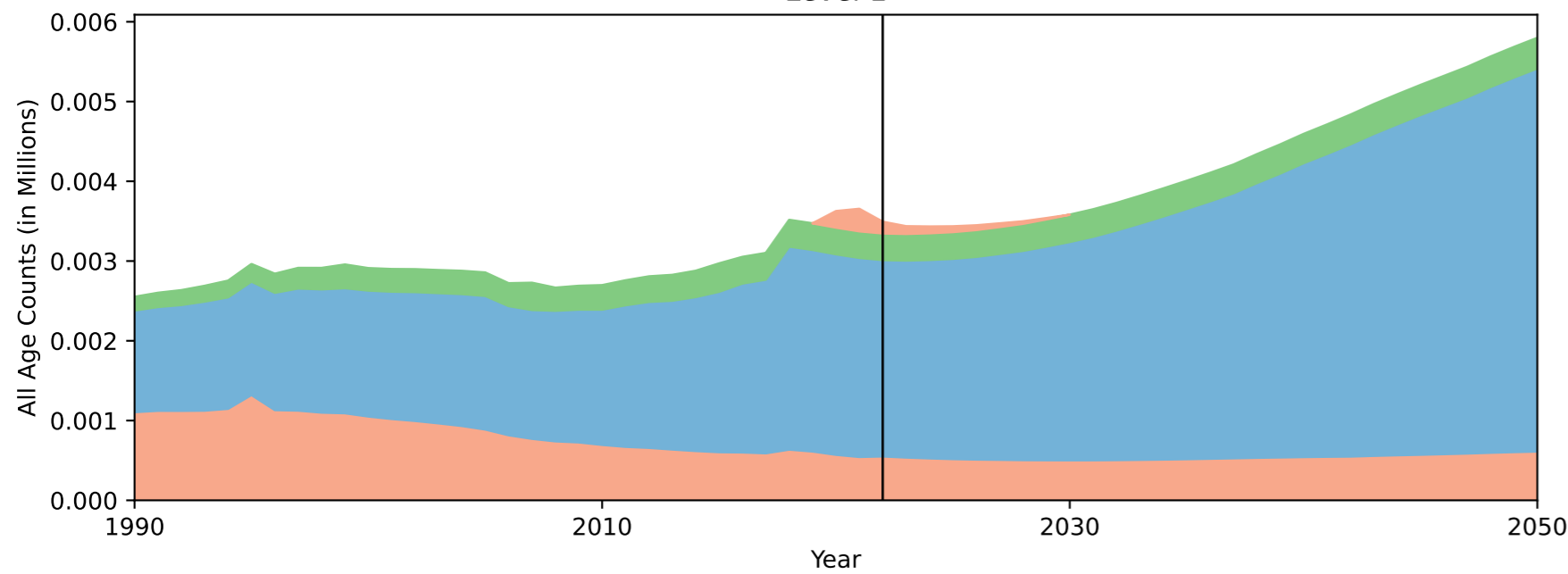
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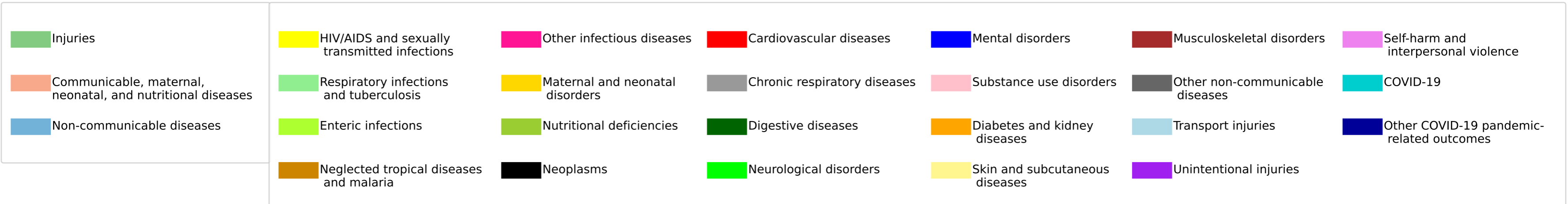
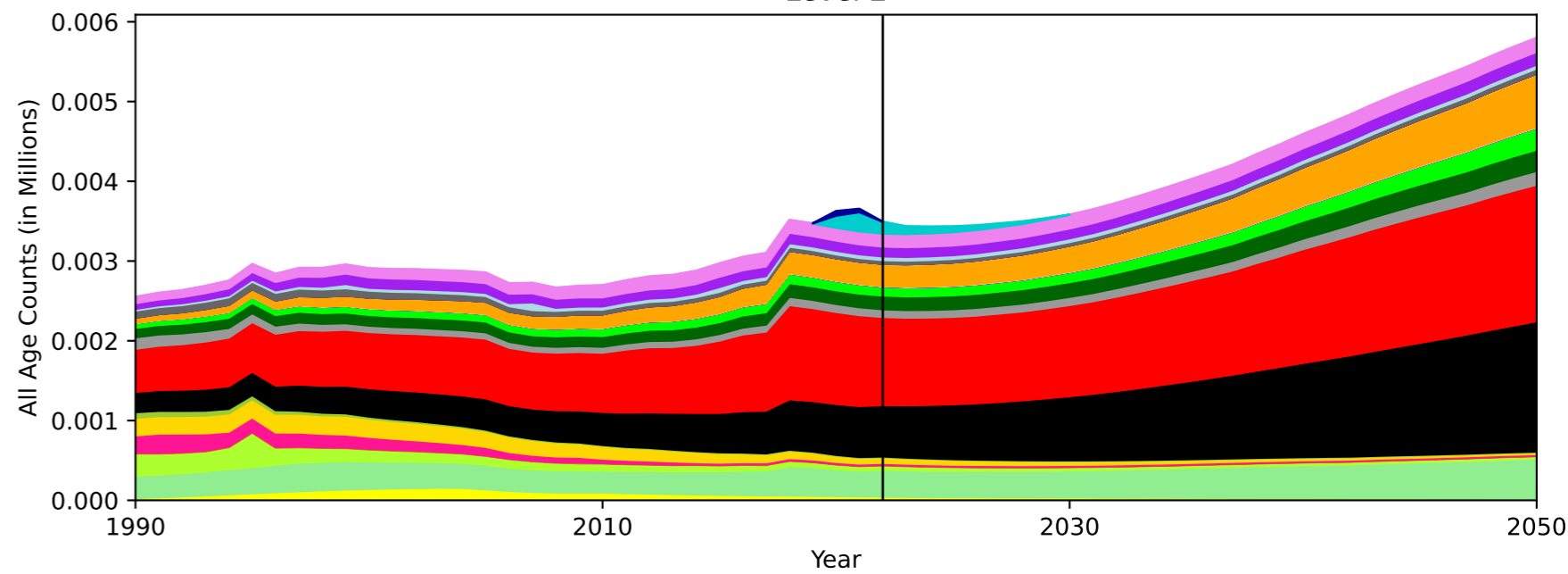
Level 2



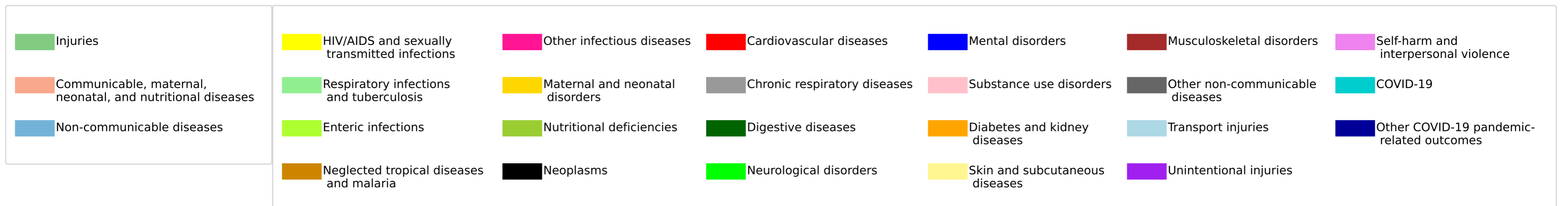
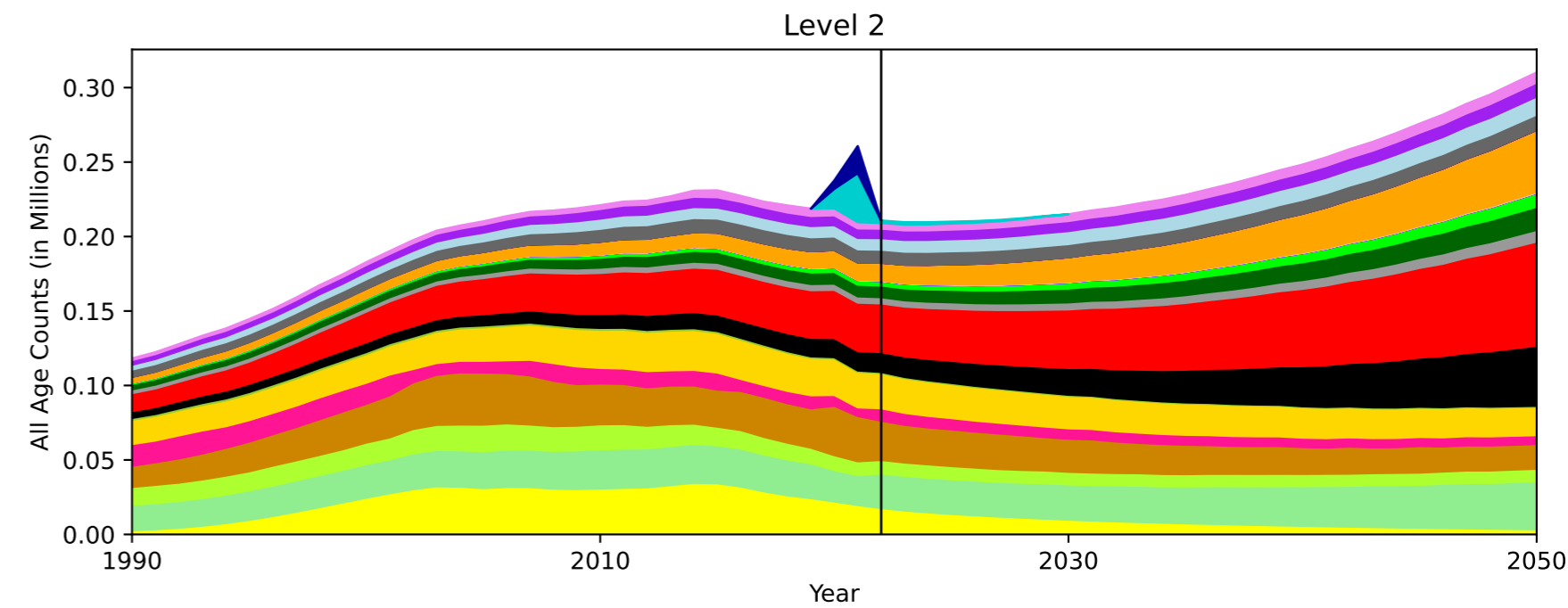
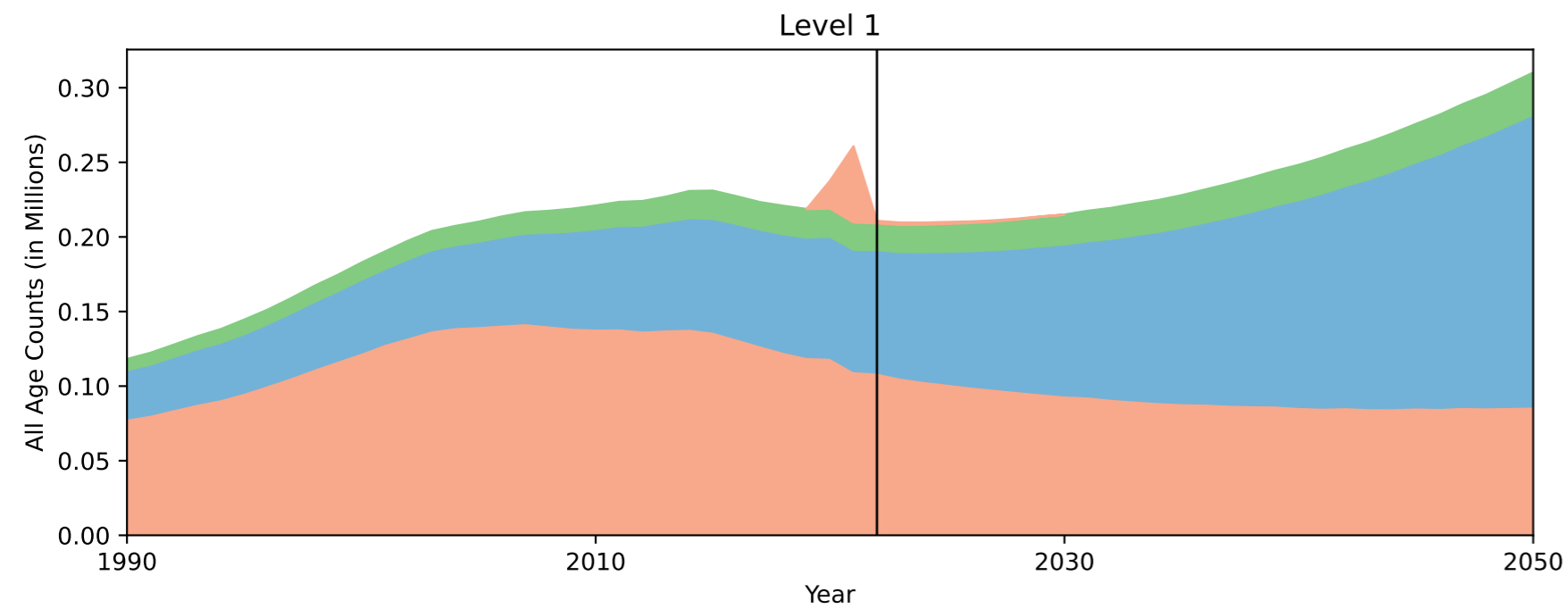
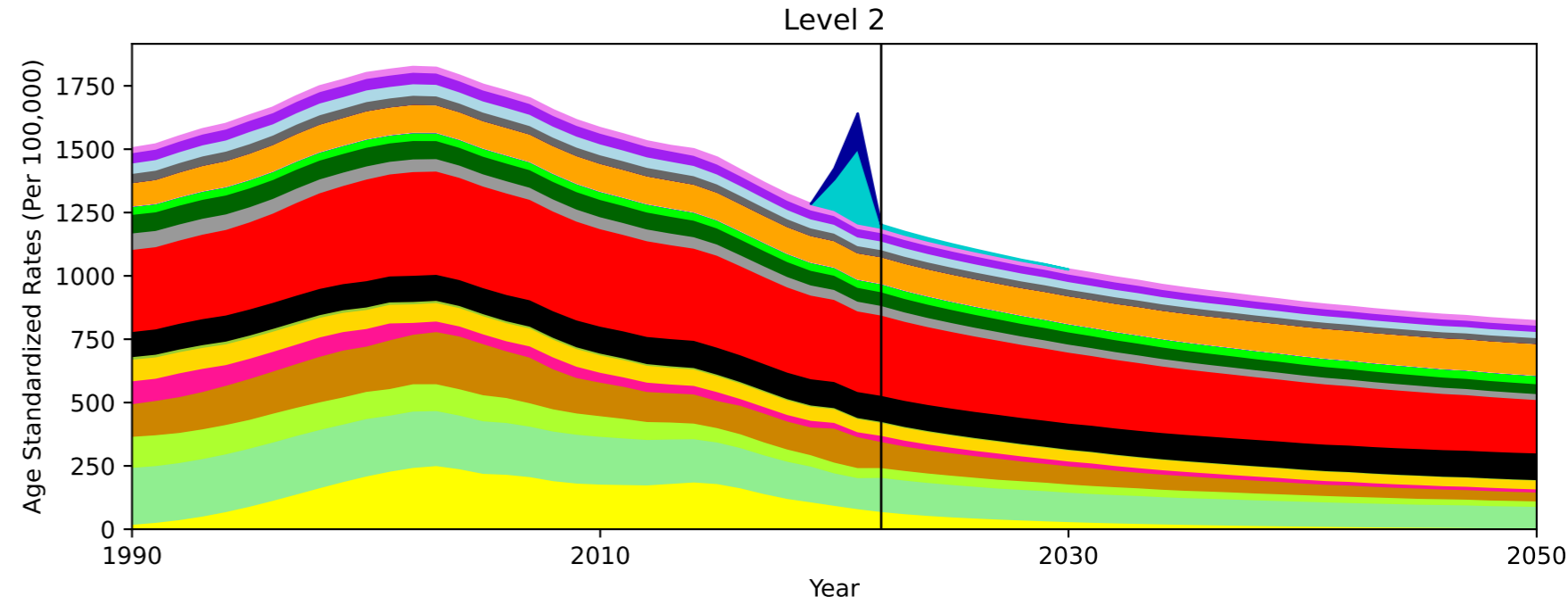
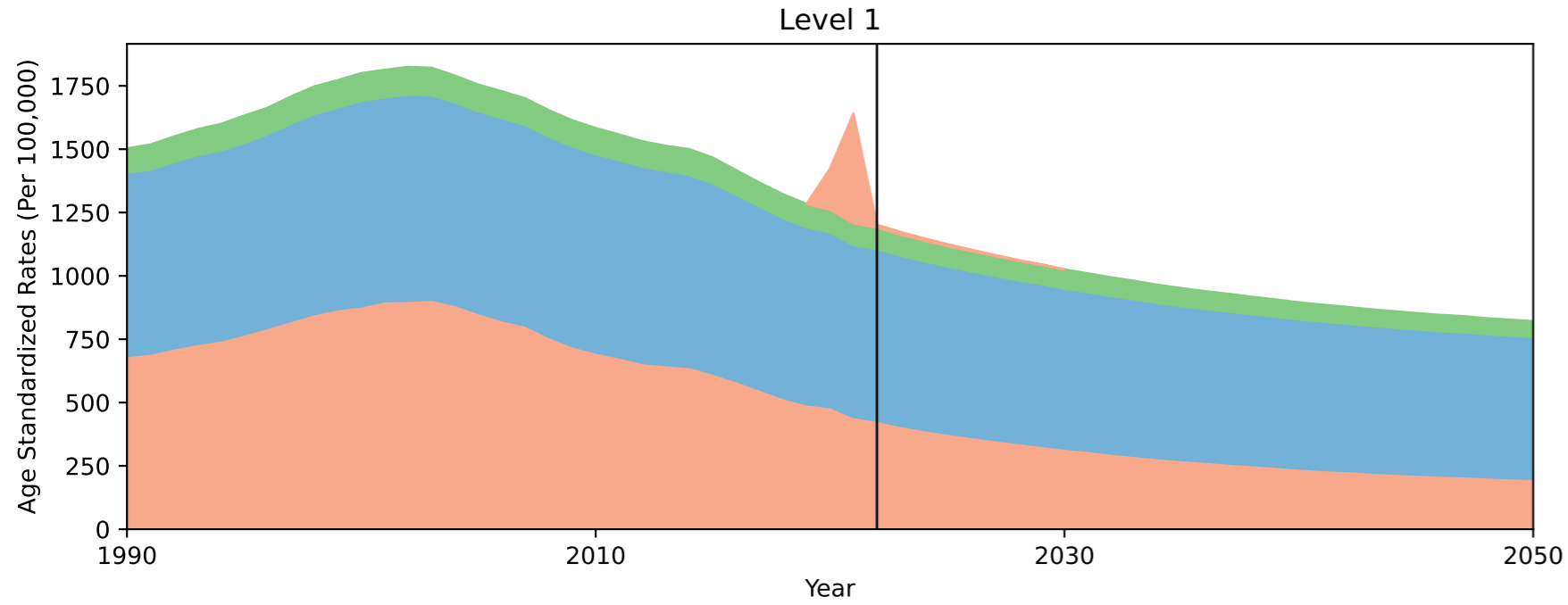
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Level 2

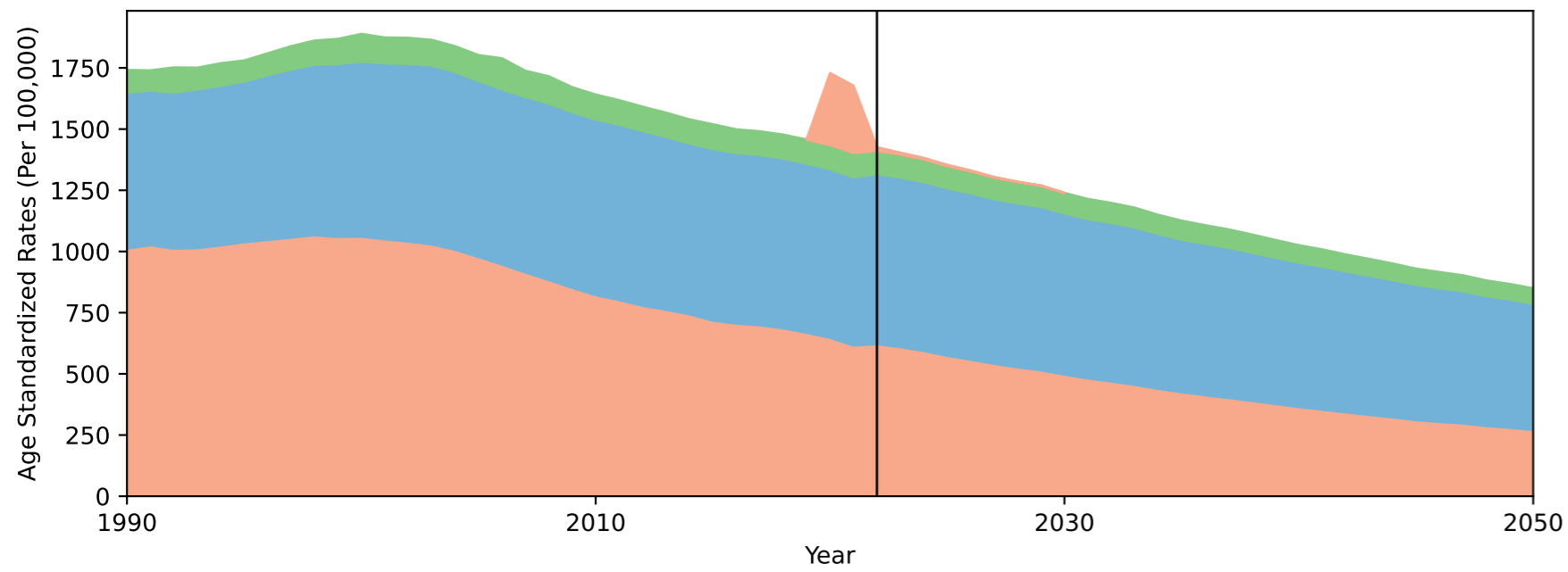


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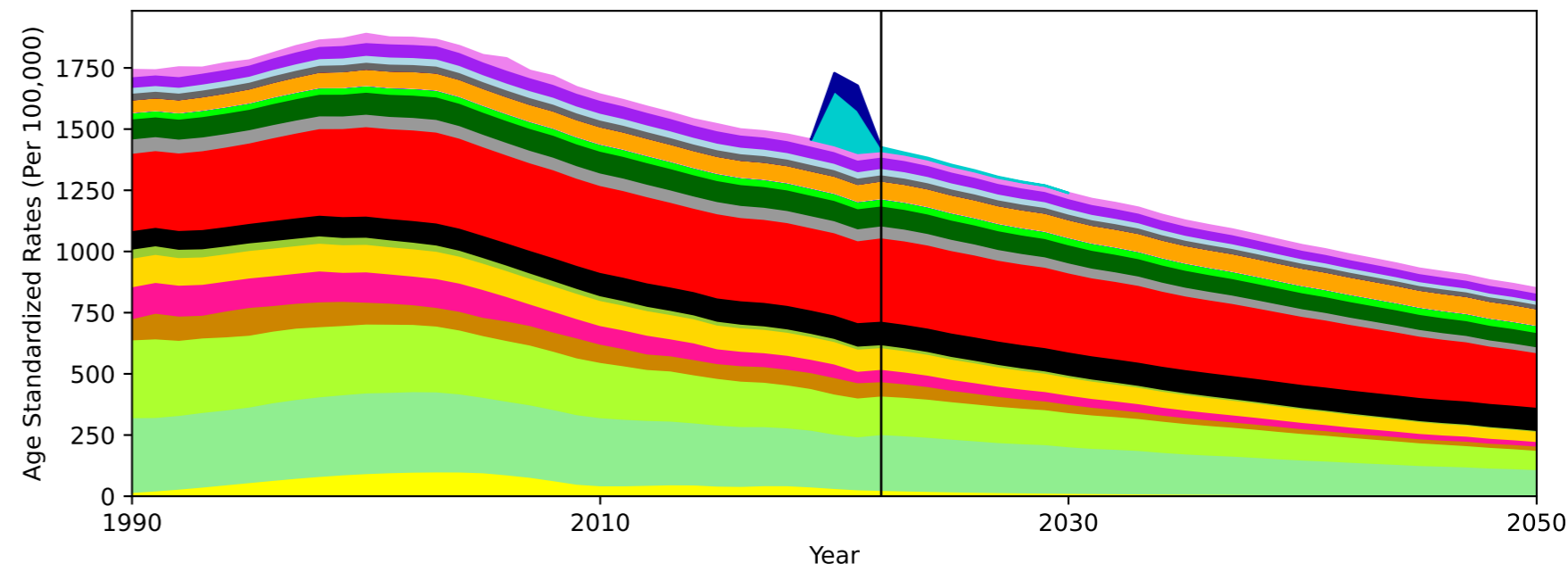


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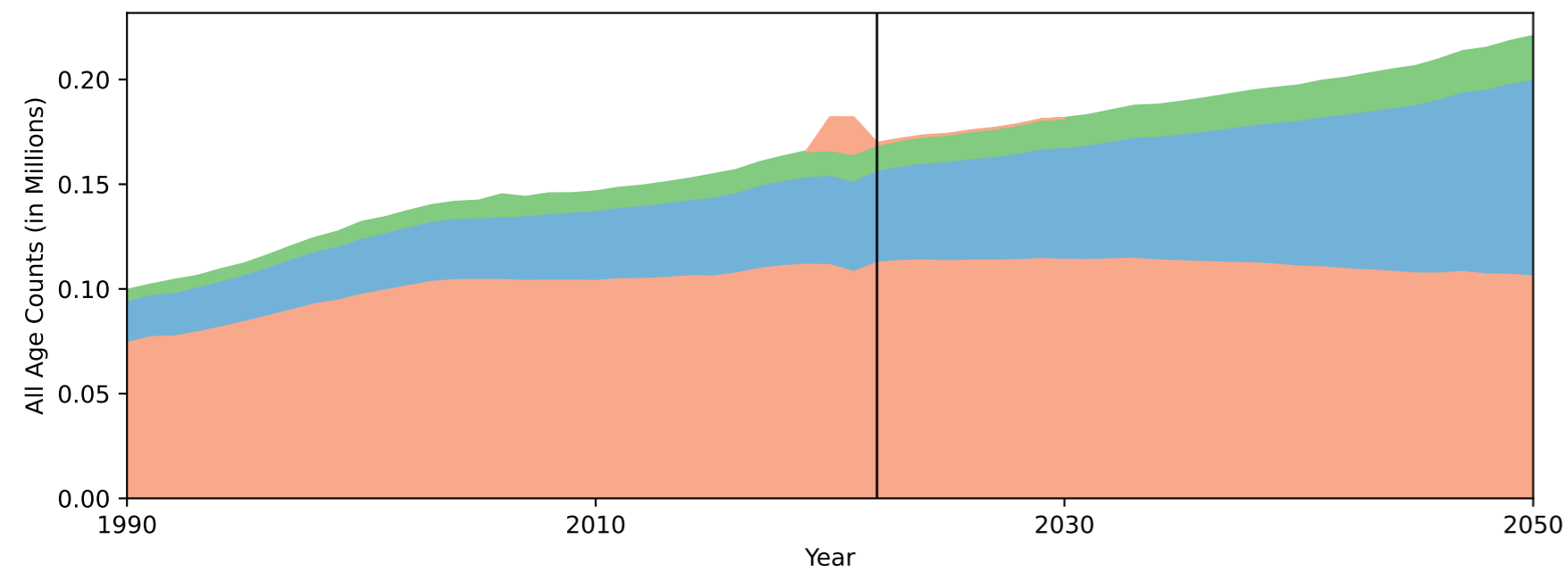
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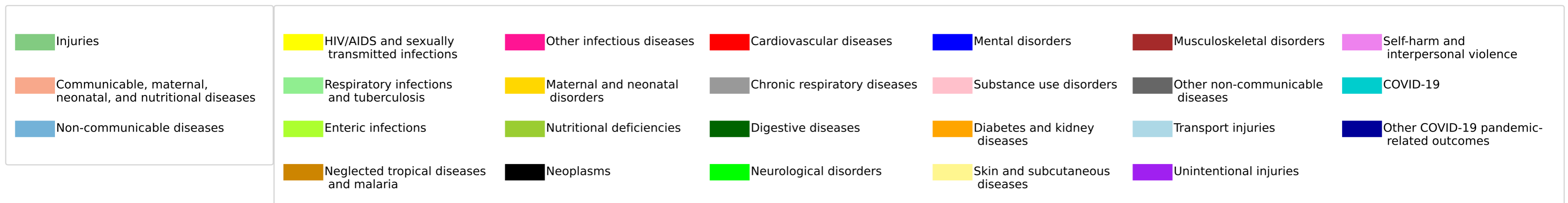
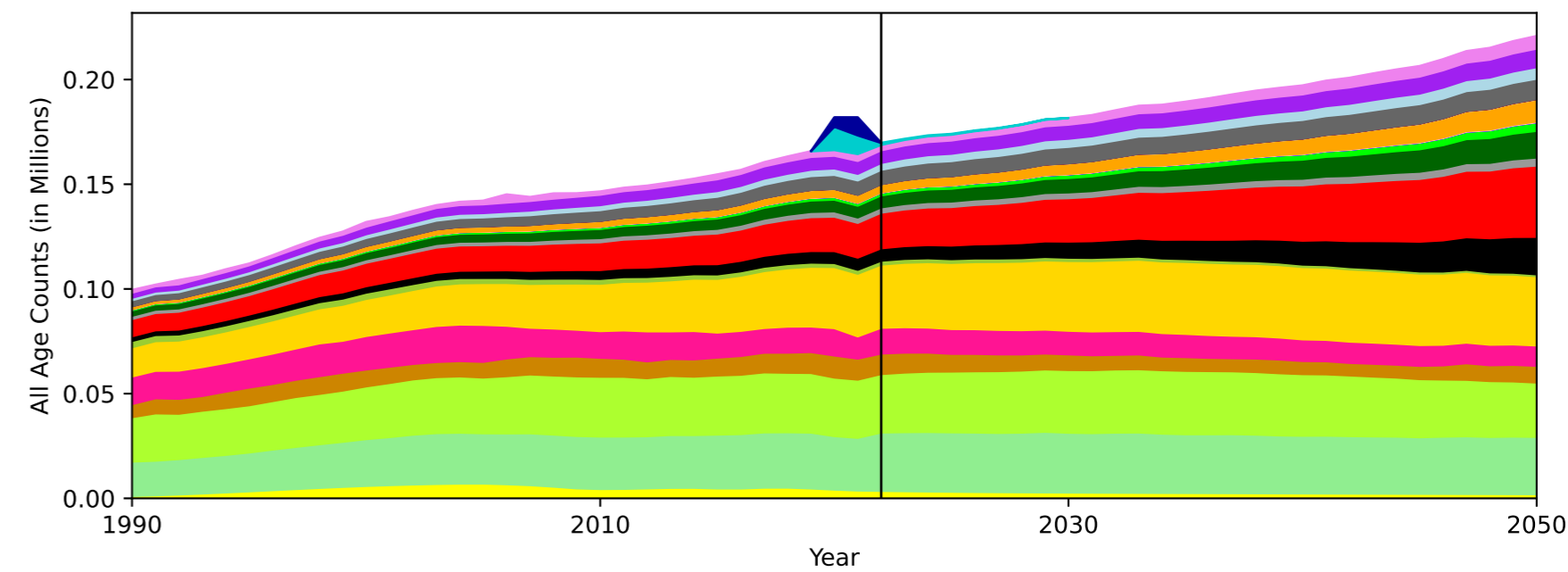
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Level 1



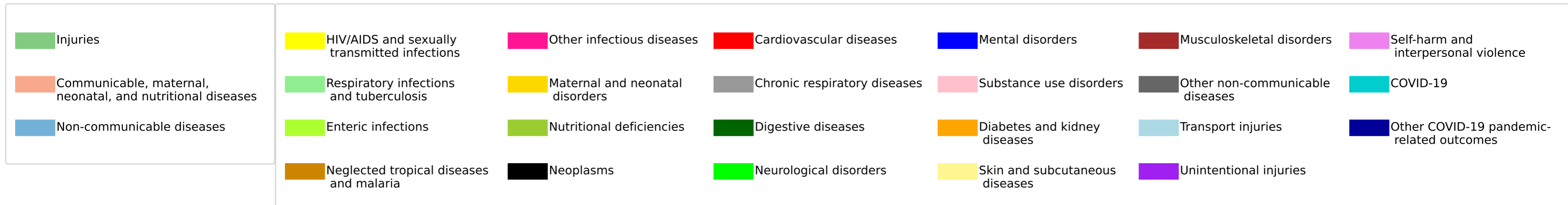
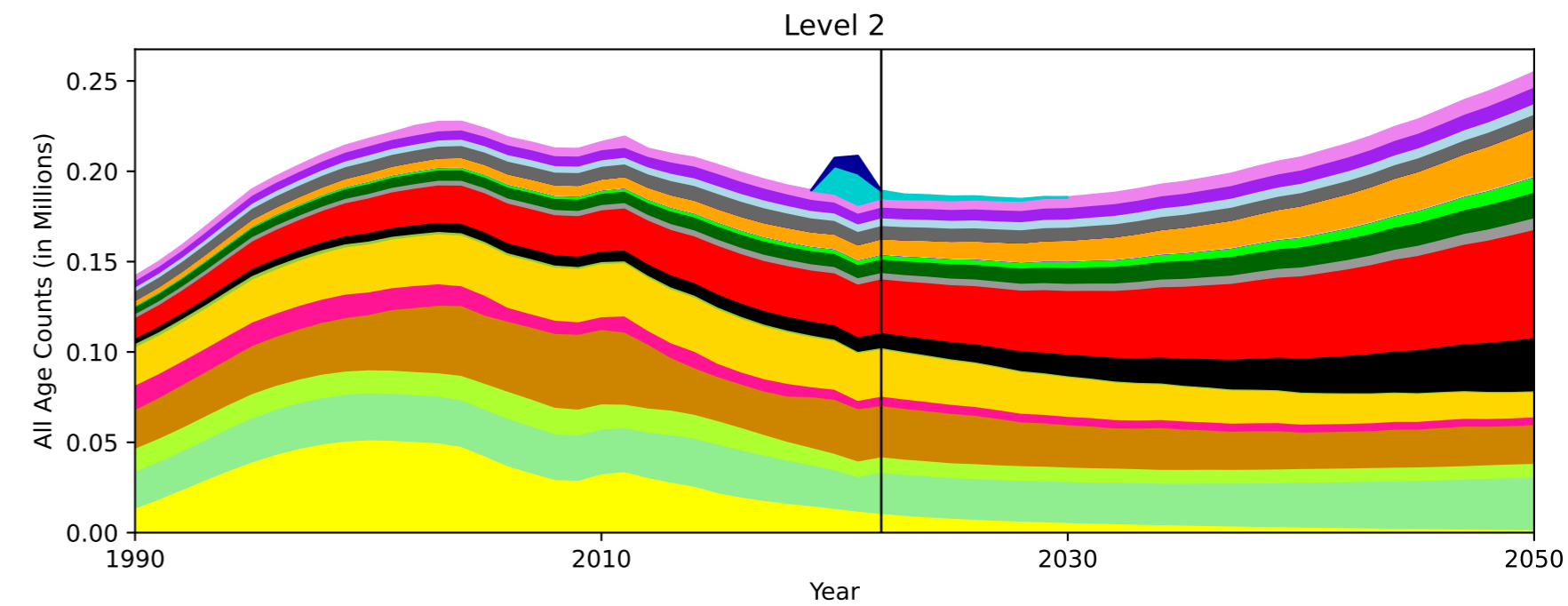
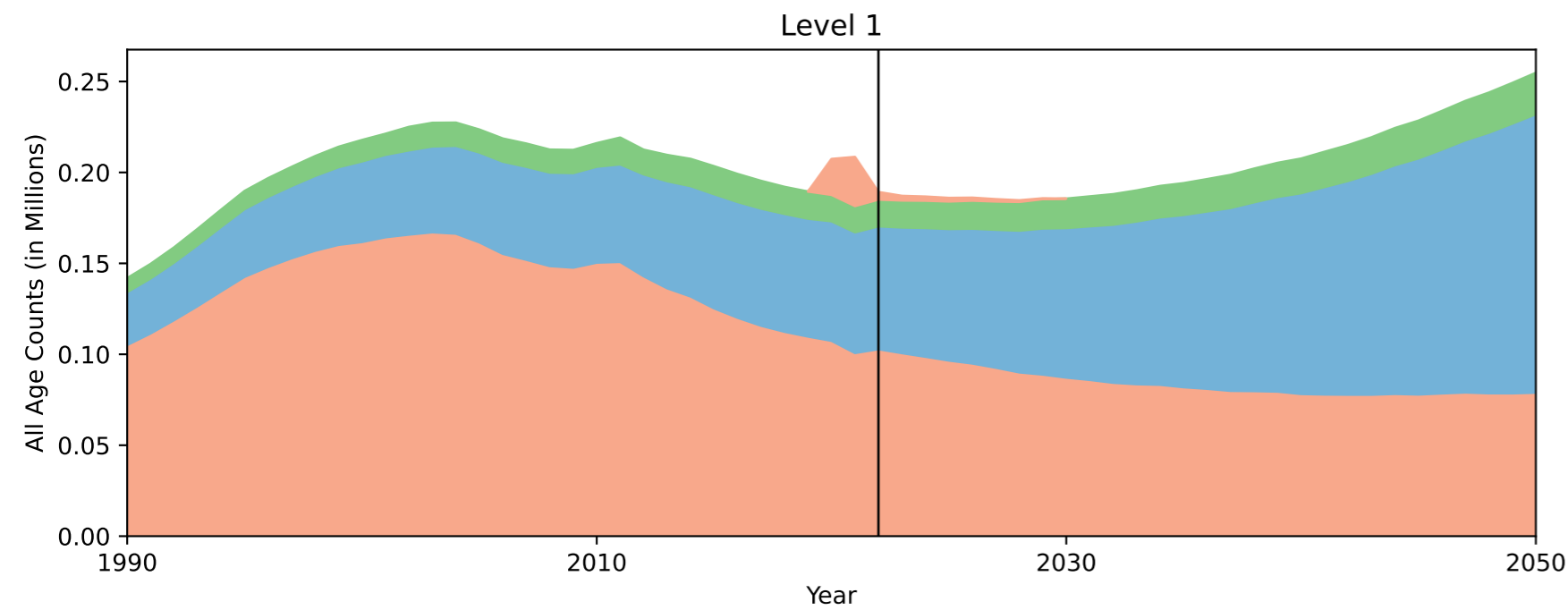
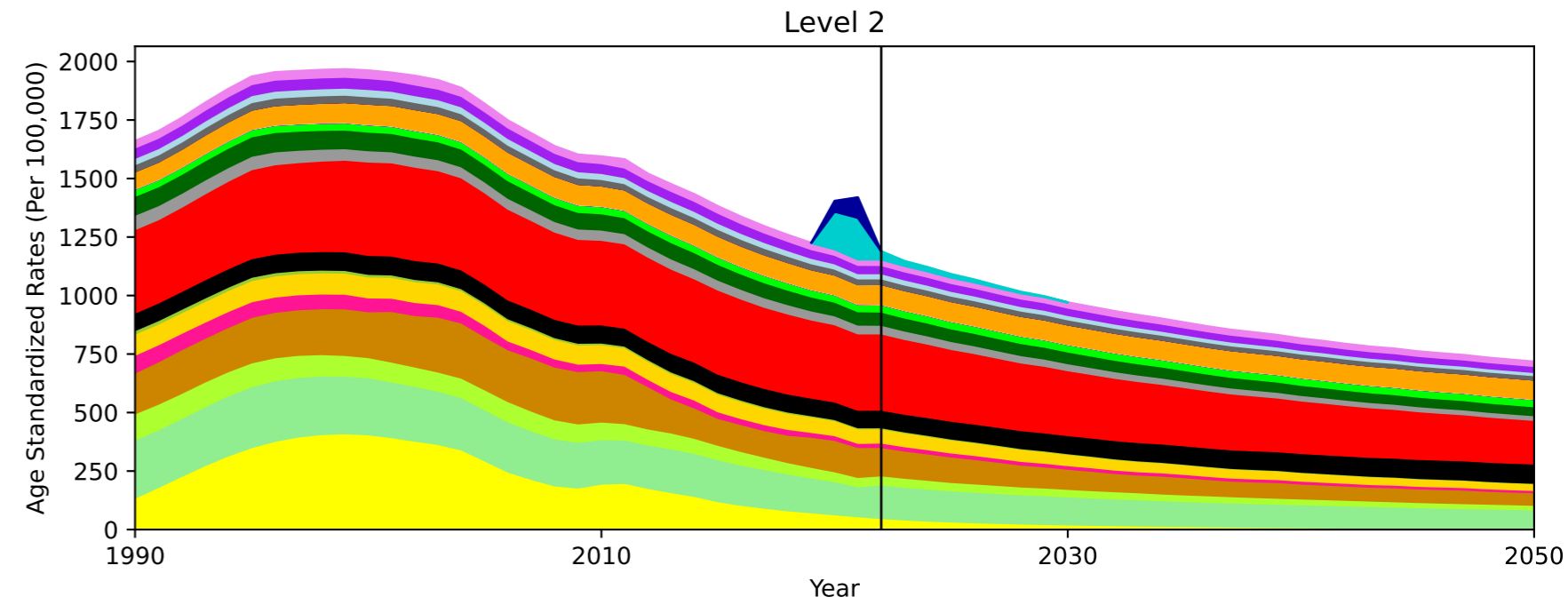
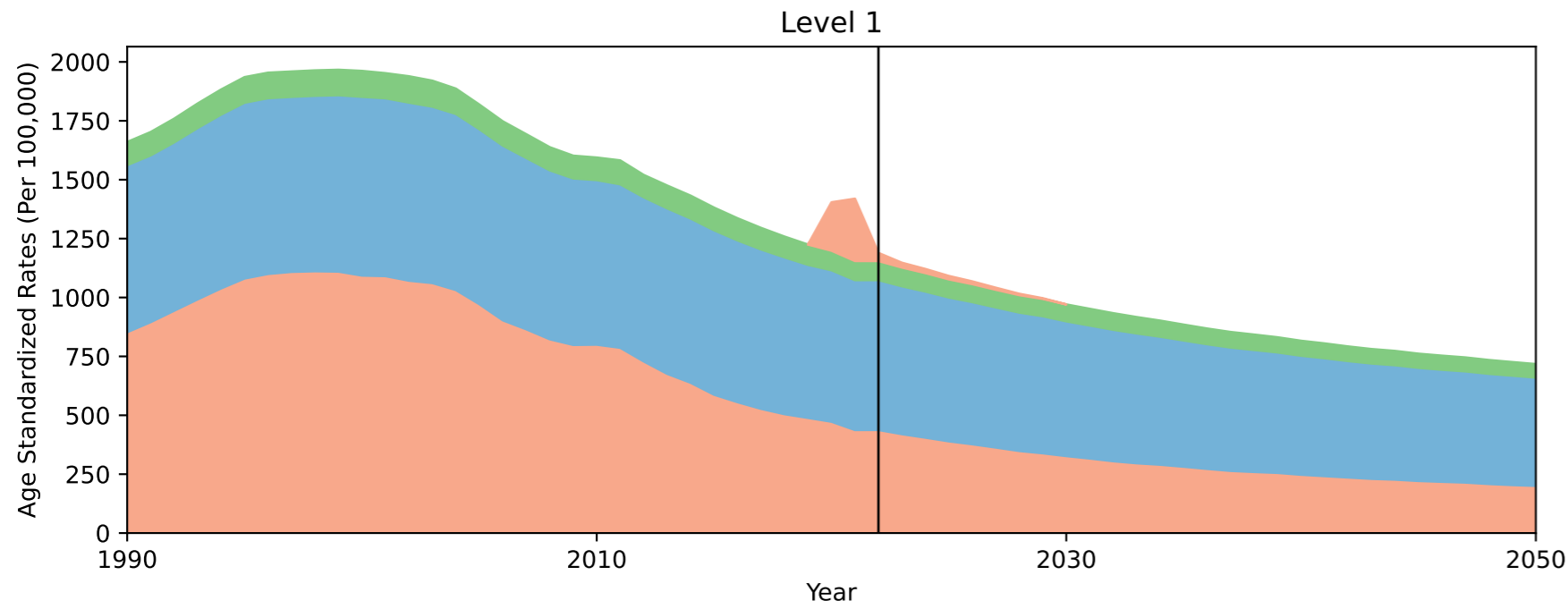
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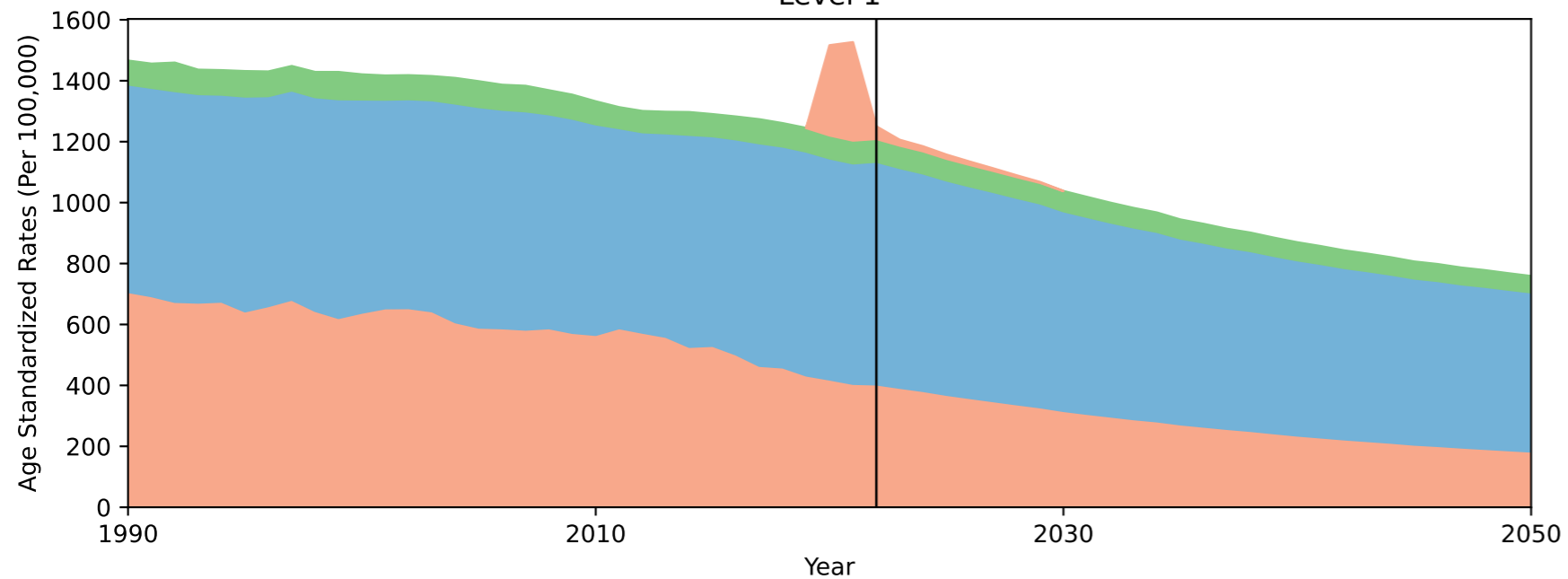
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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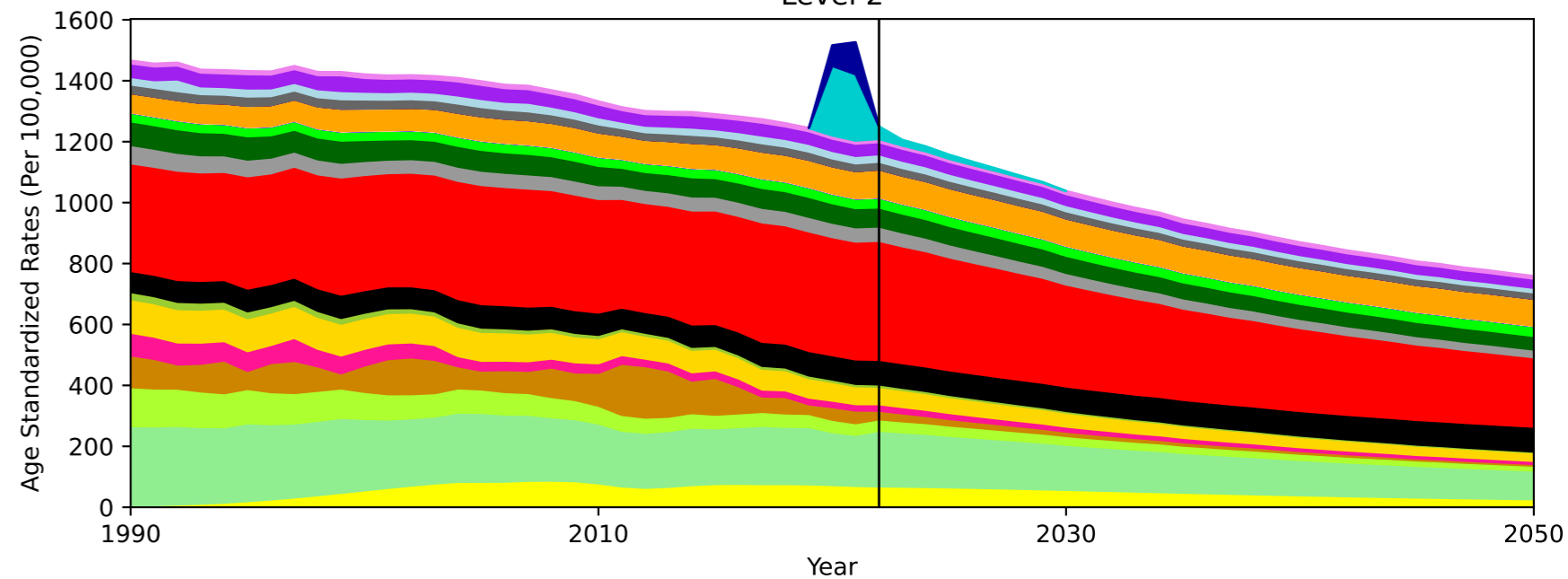


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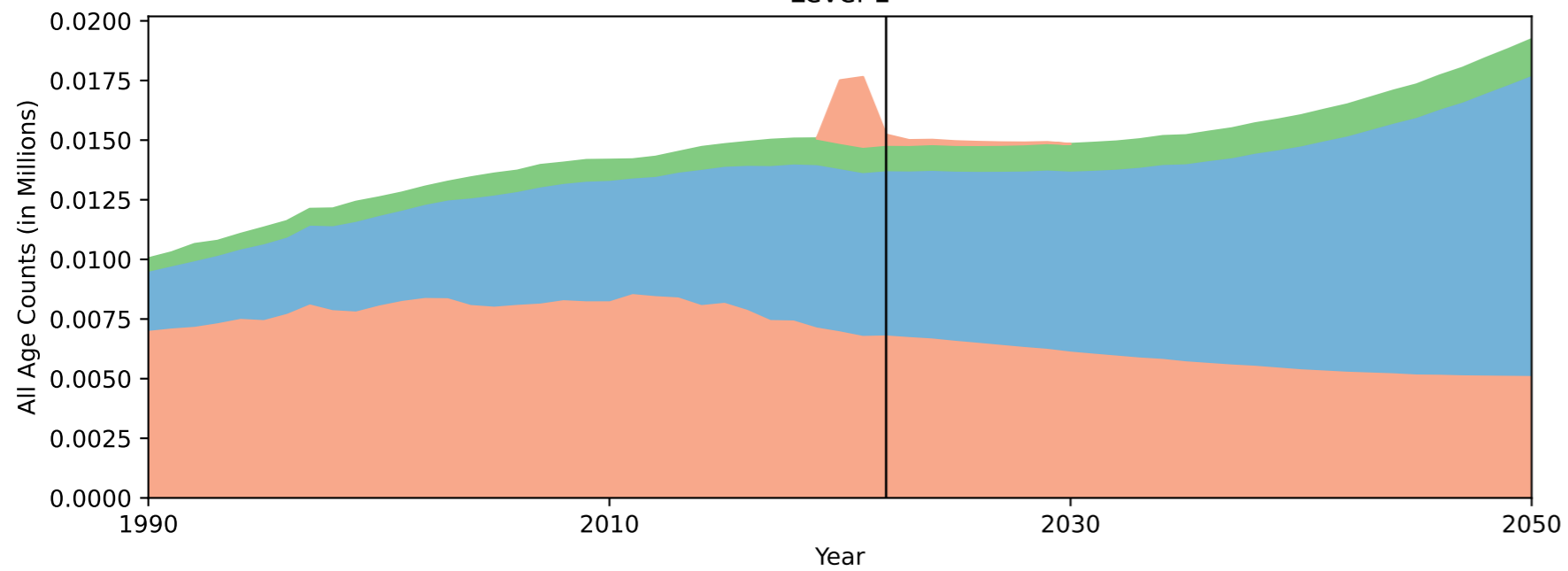
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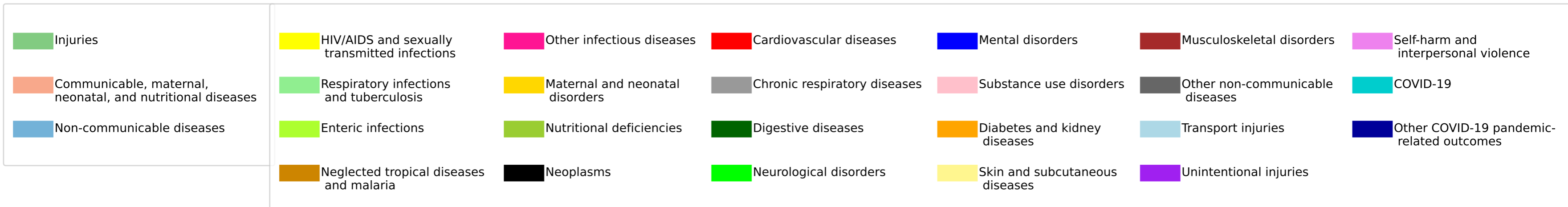
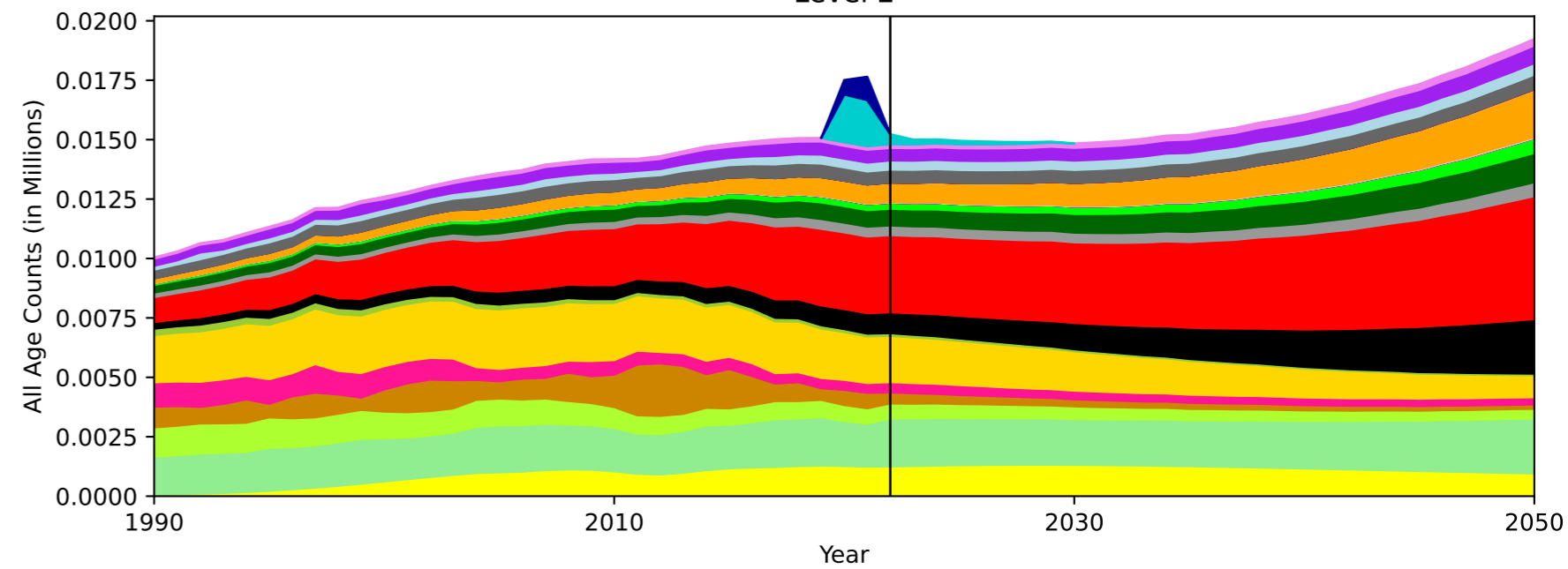
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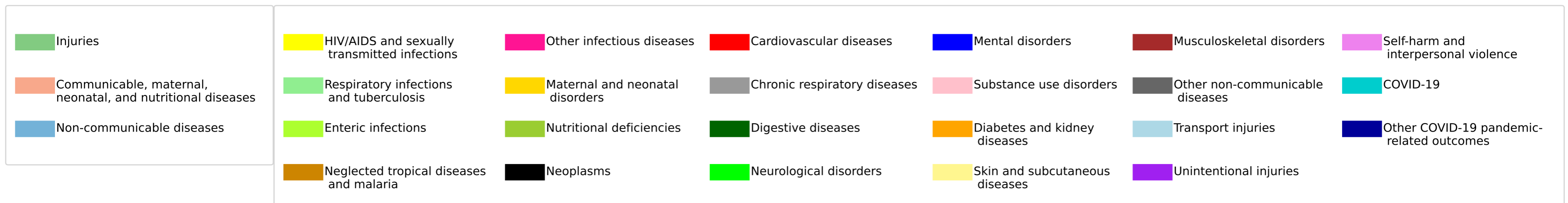
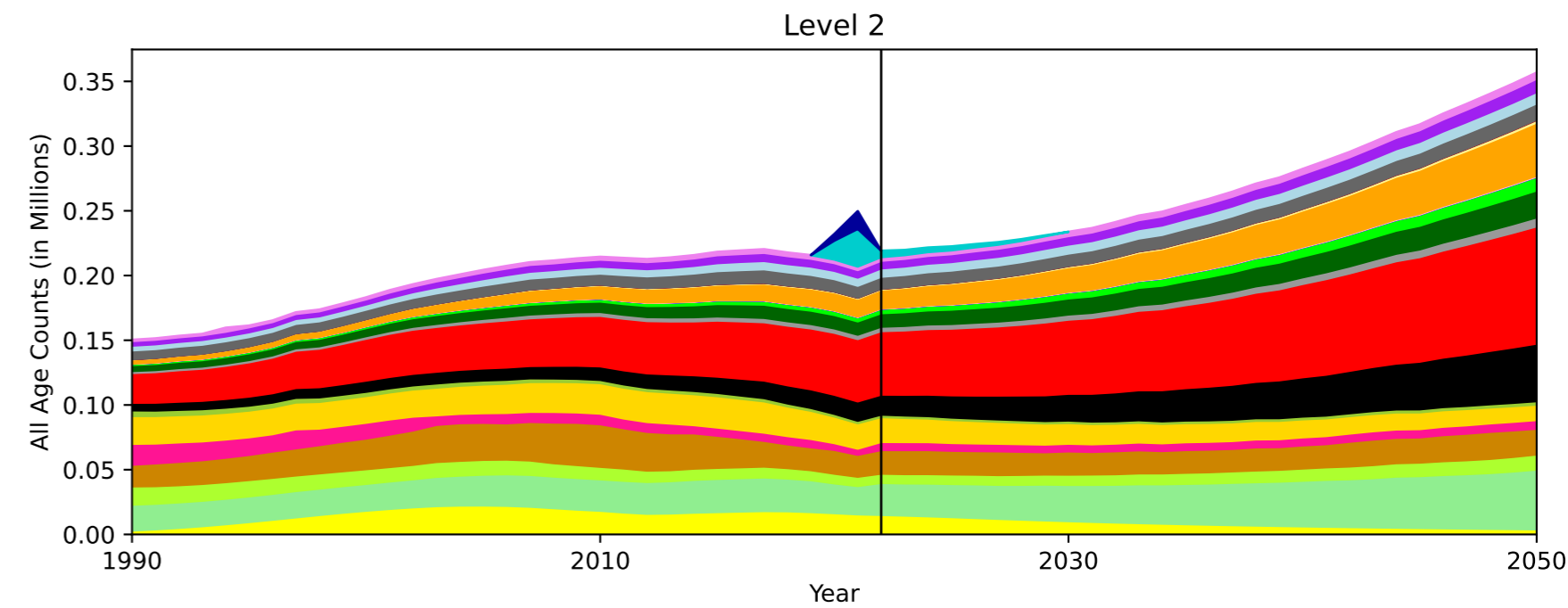
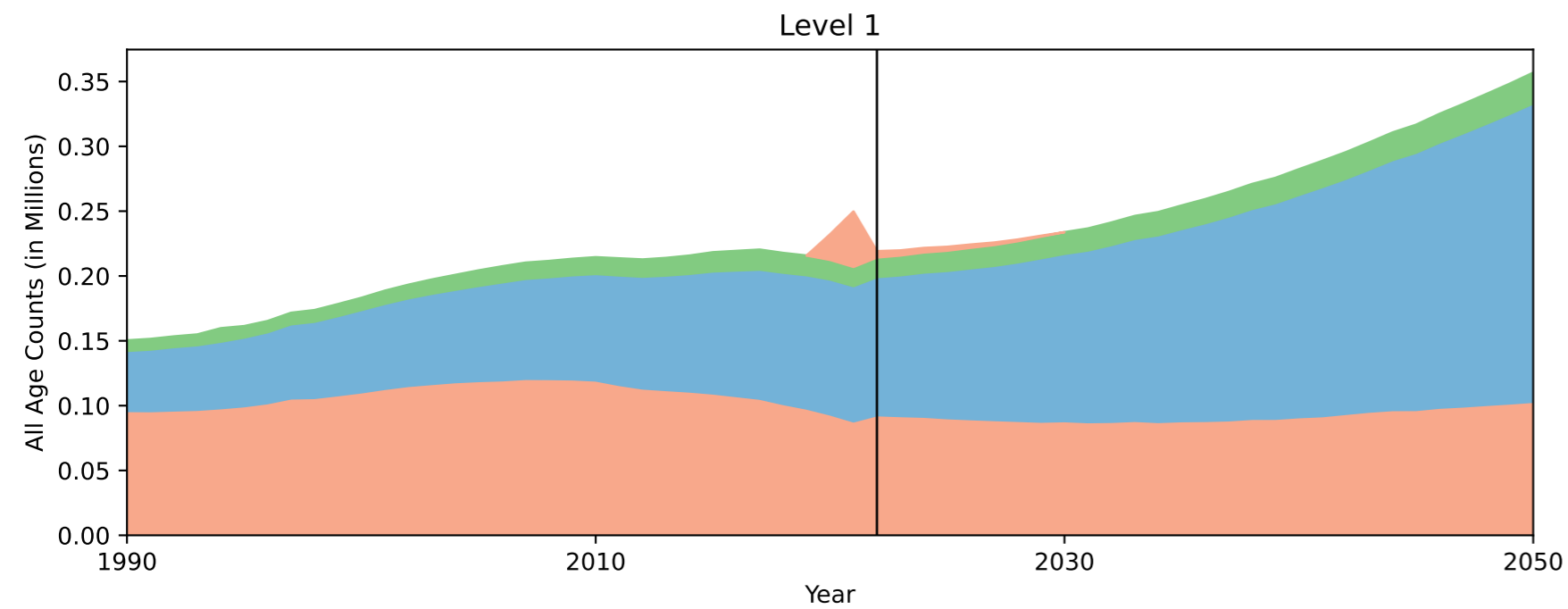
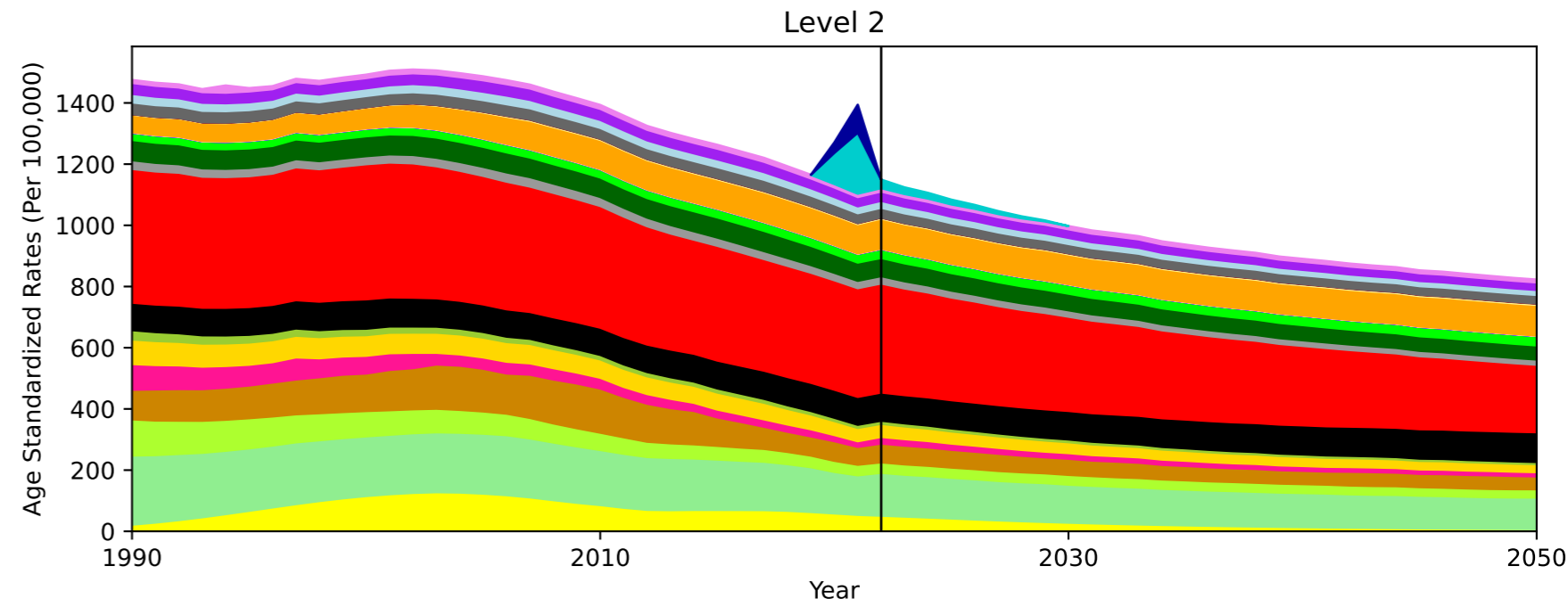
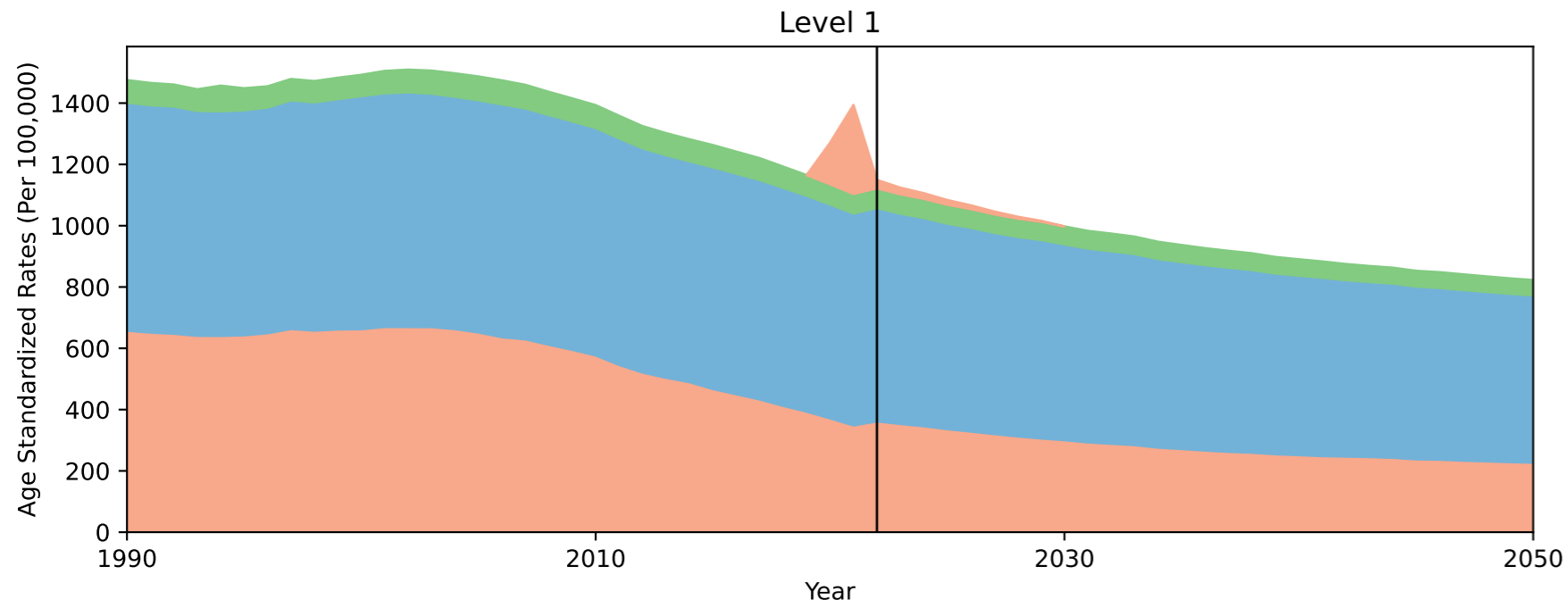
Level 1



Level 2

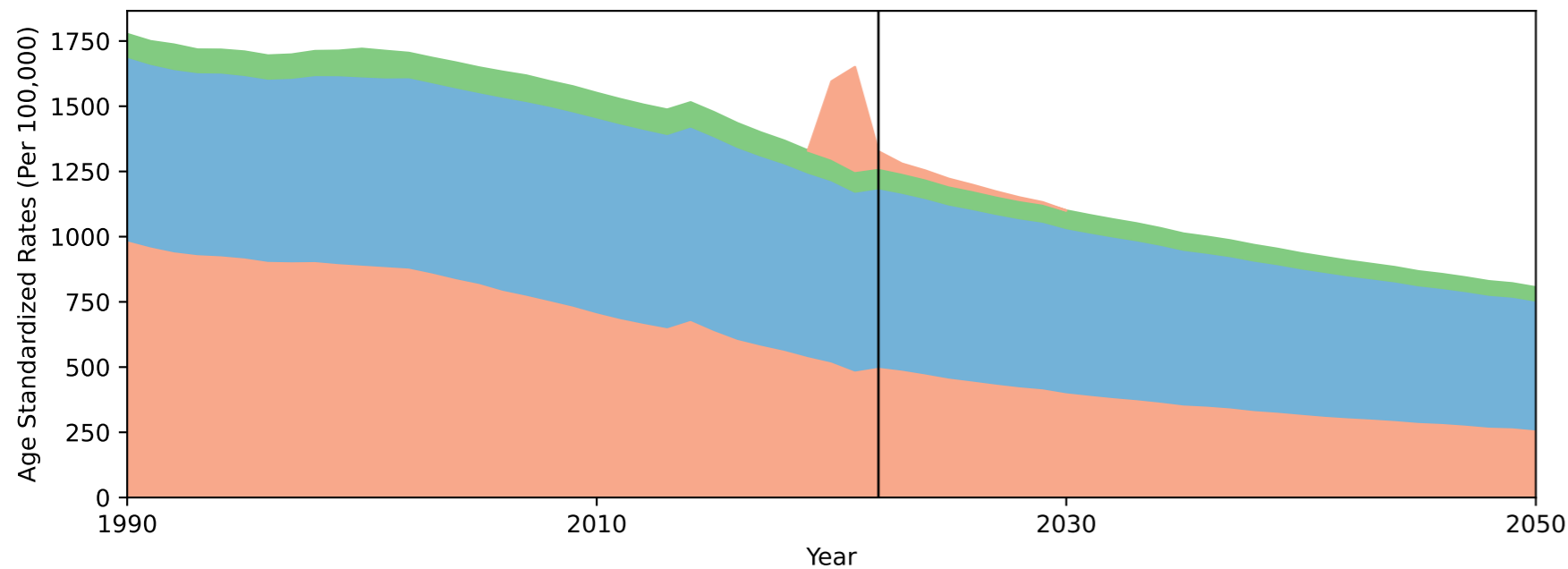


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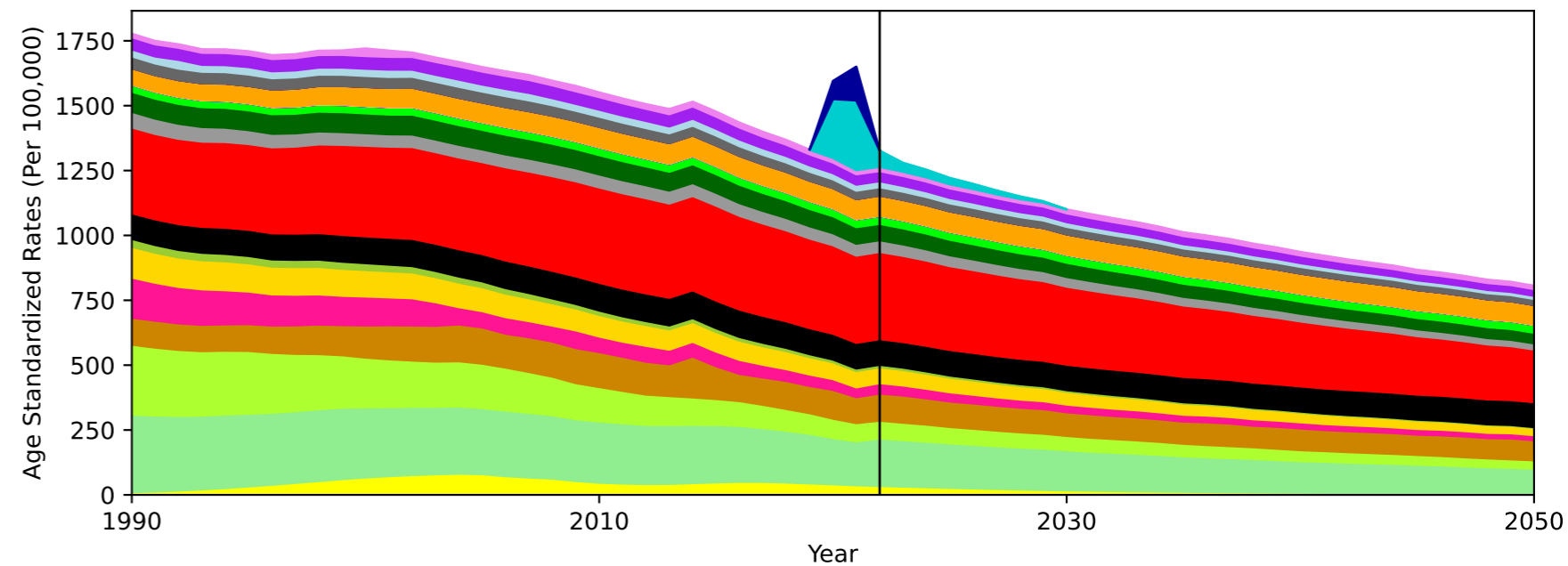


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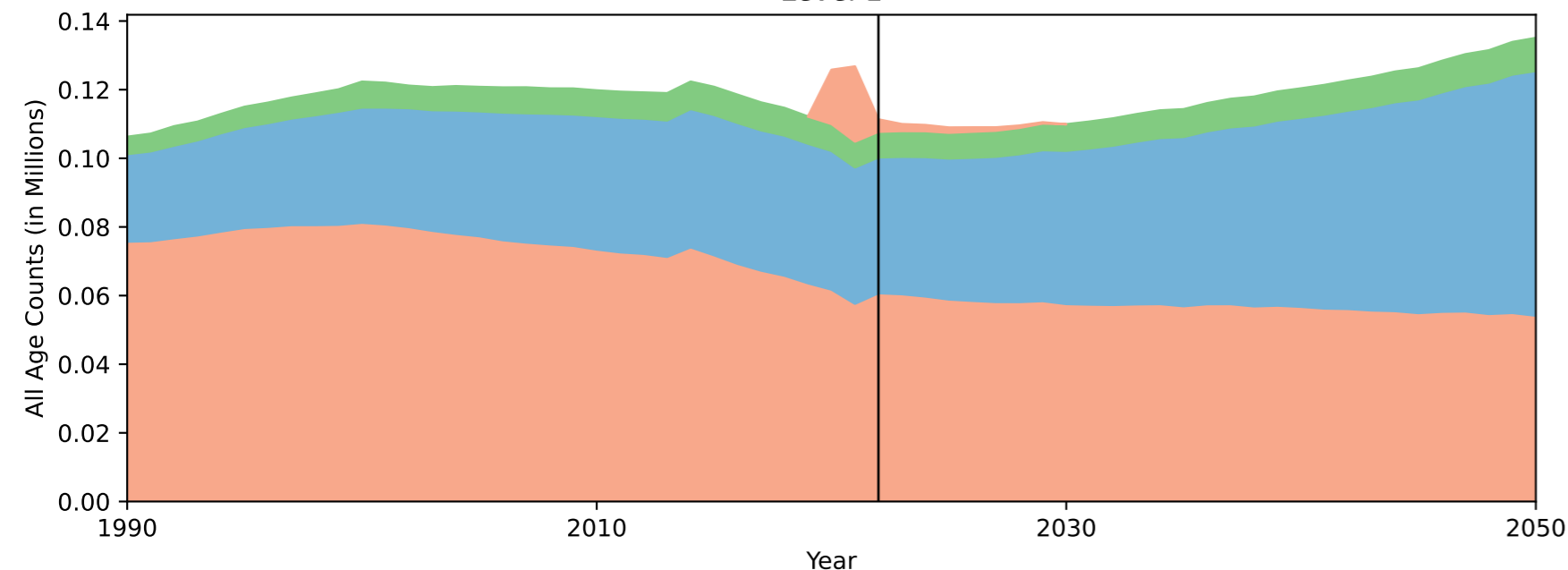
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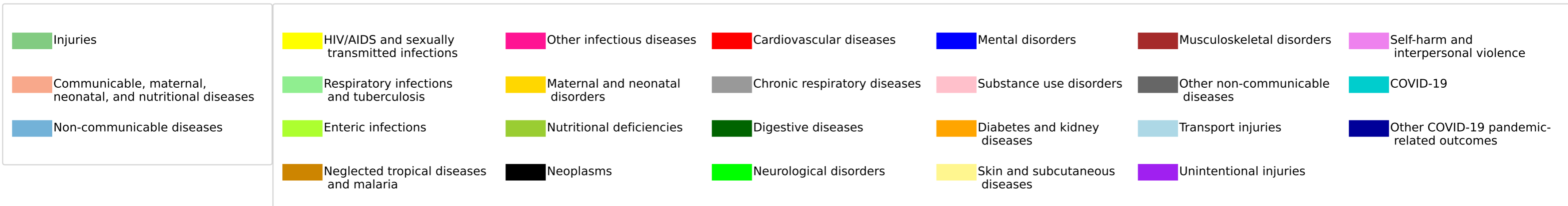
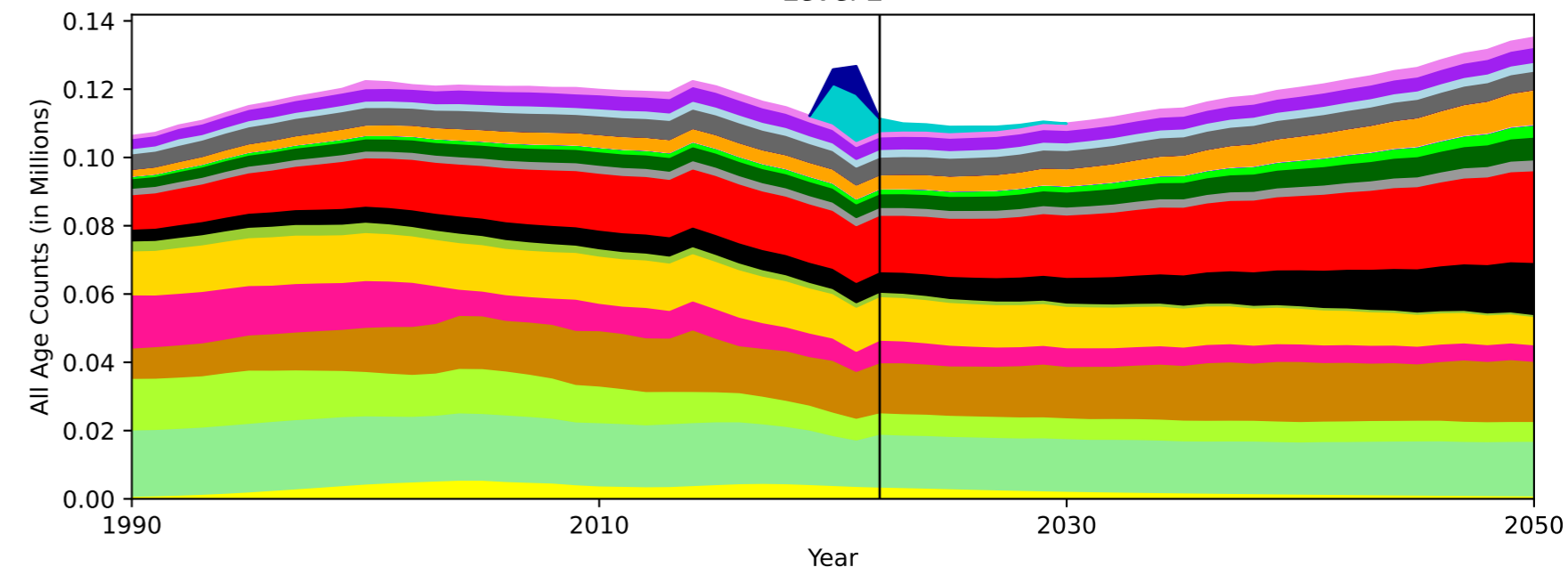
Level 2



Level 1



Level 2



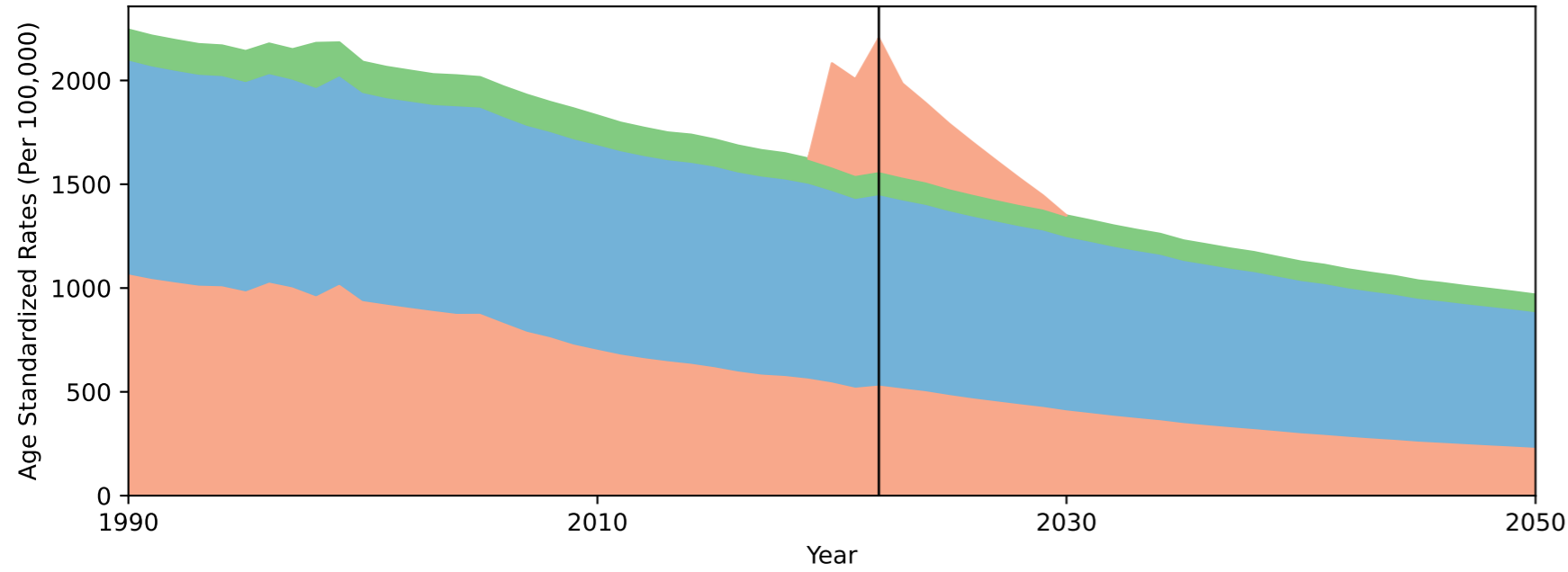


# Guinea-Bissau

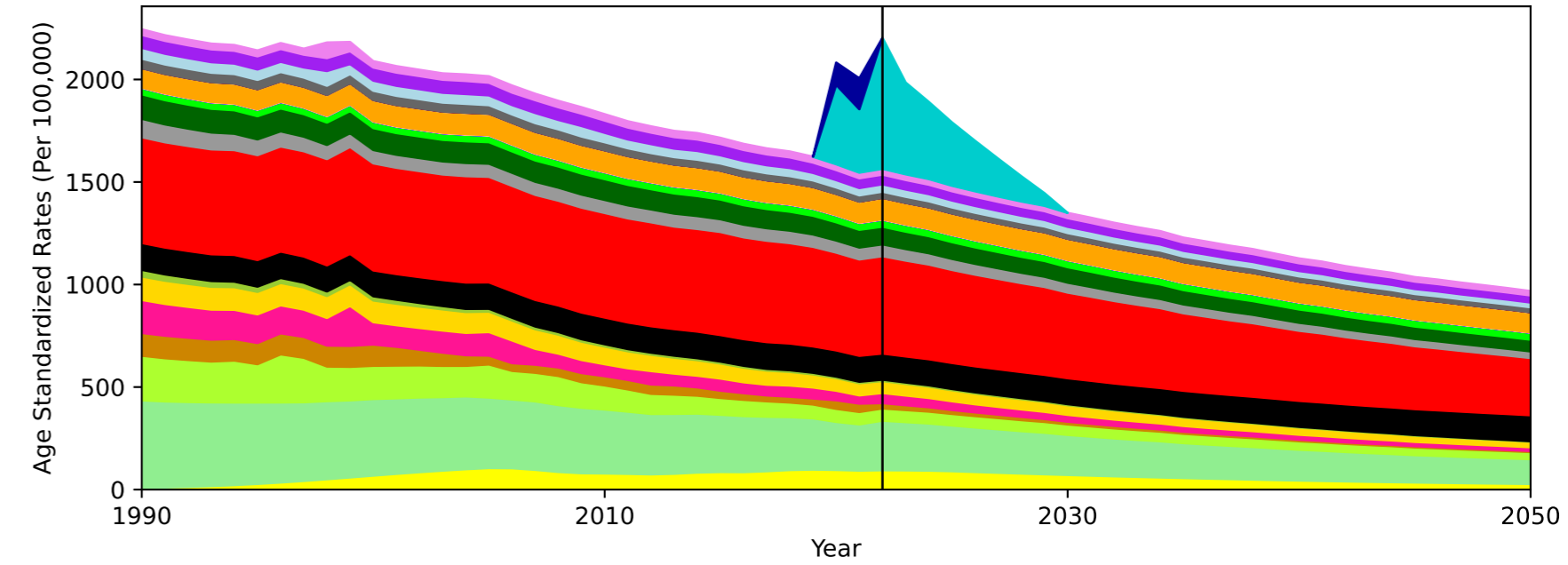
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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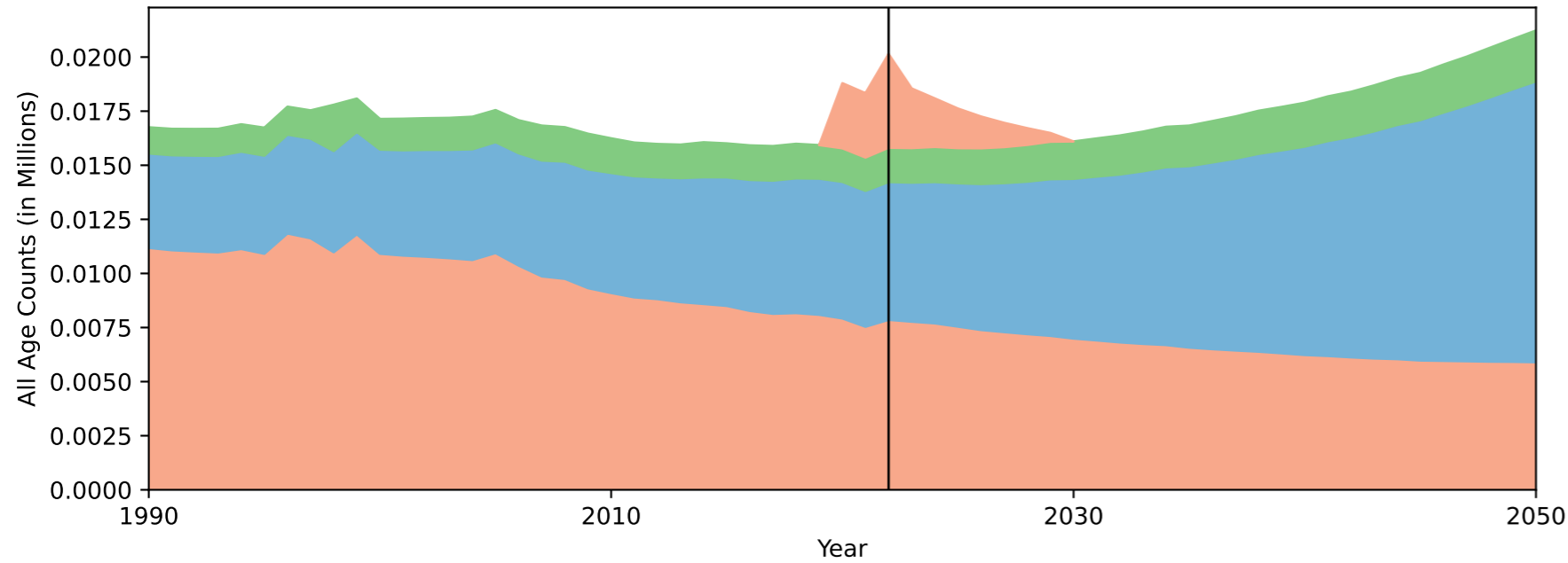
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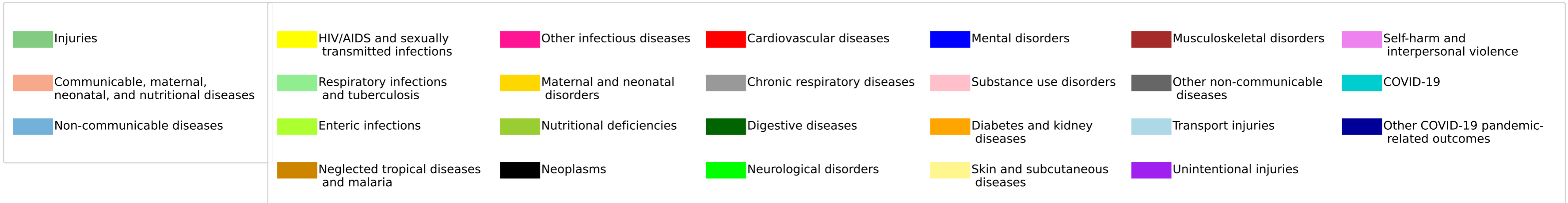
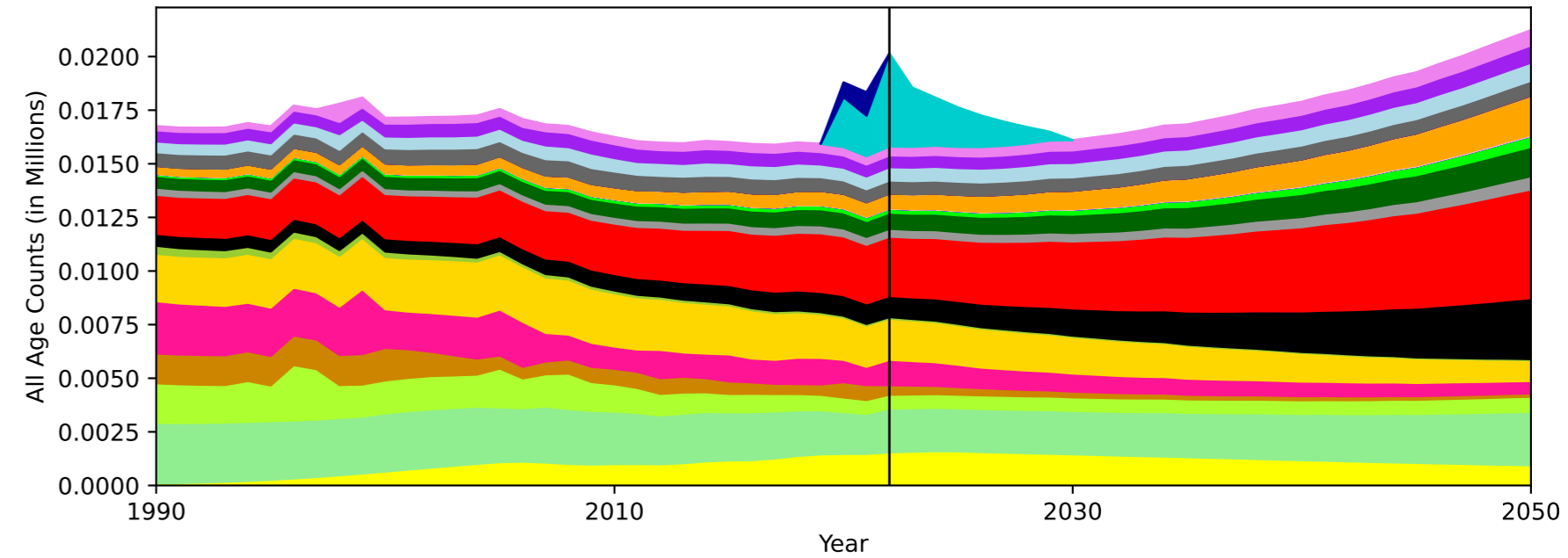
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Level 1

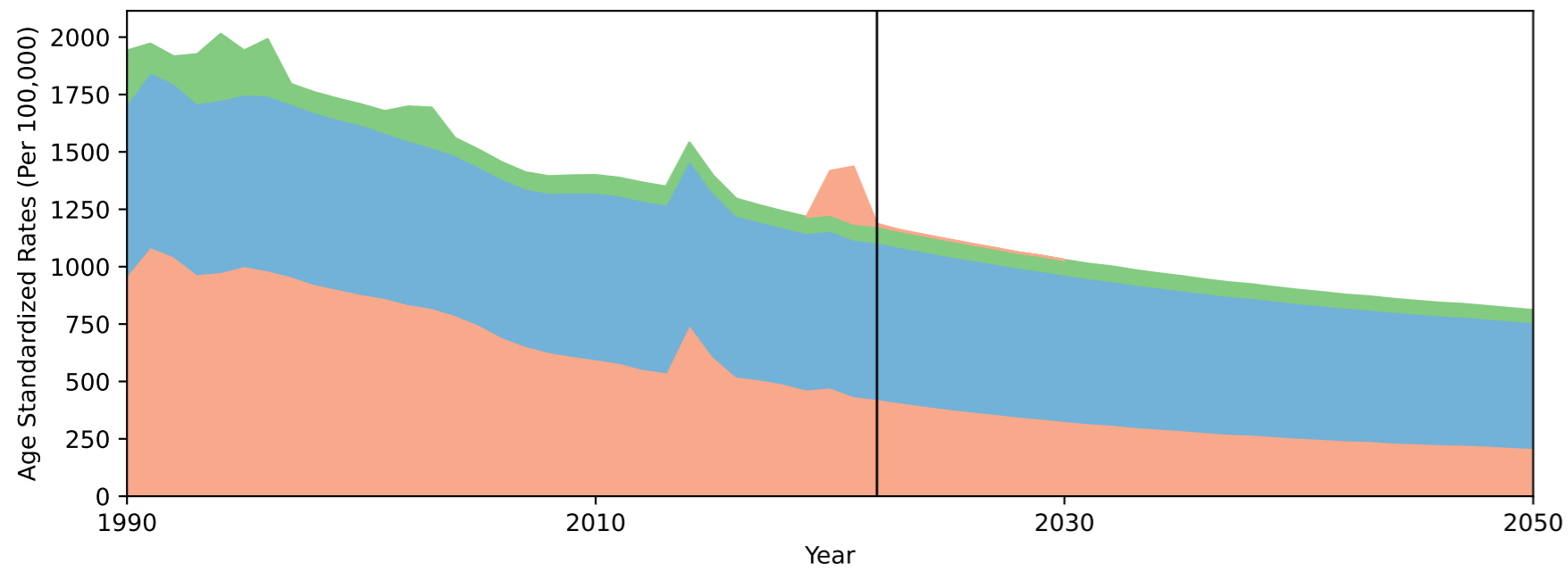


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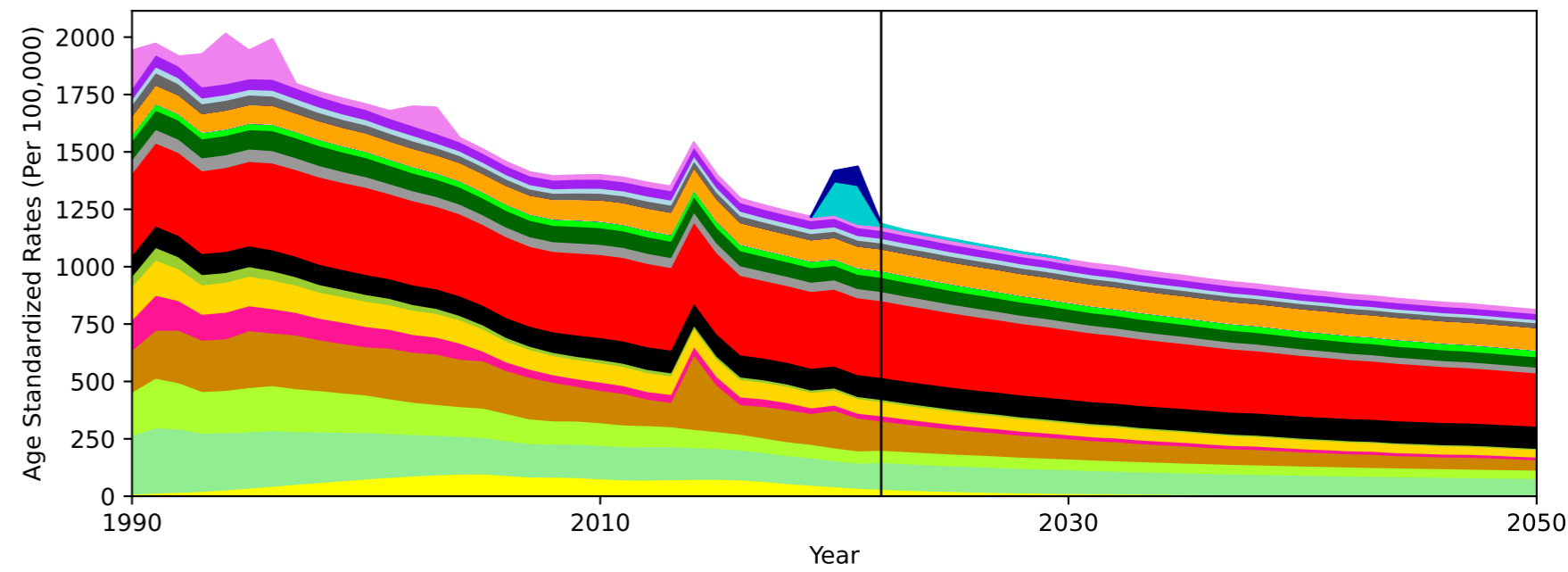


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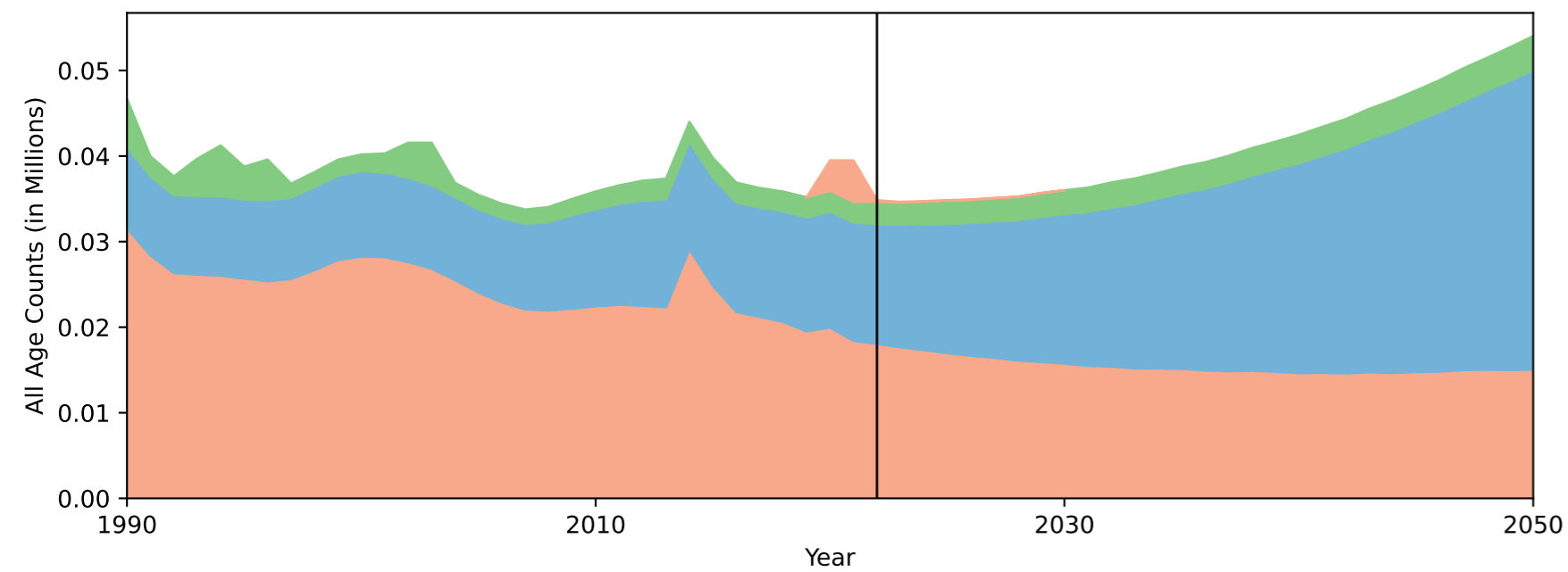
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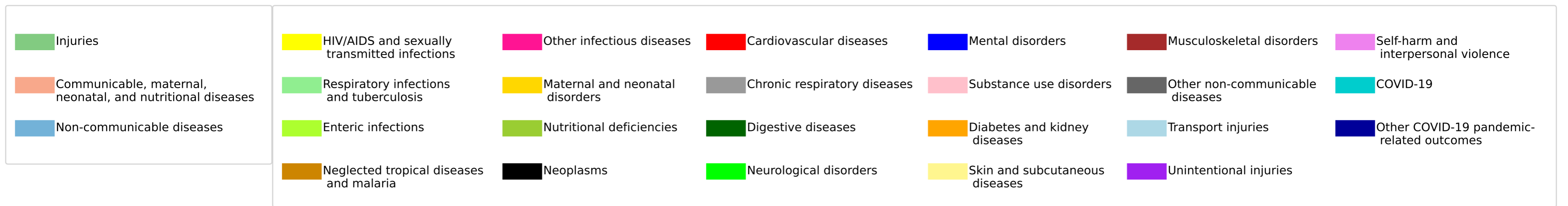
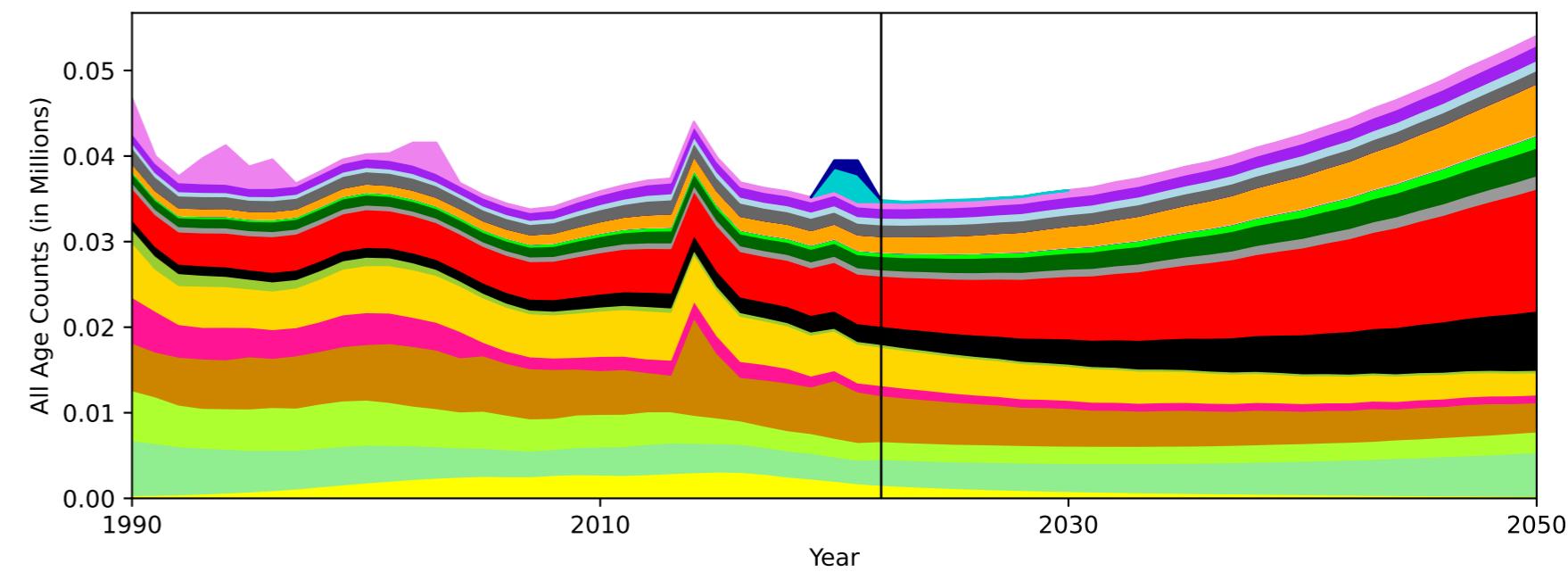
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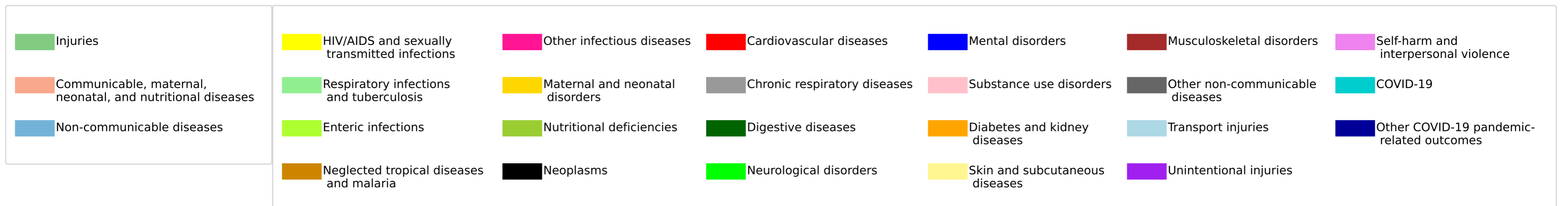
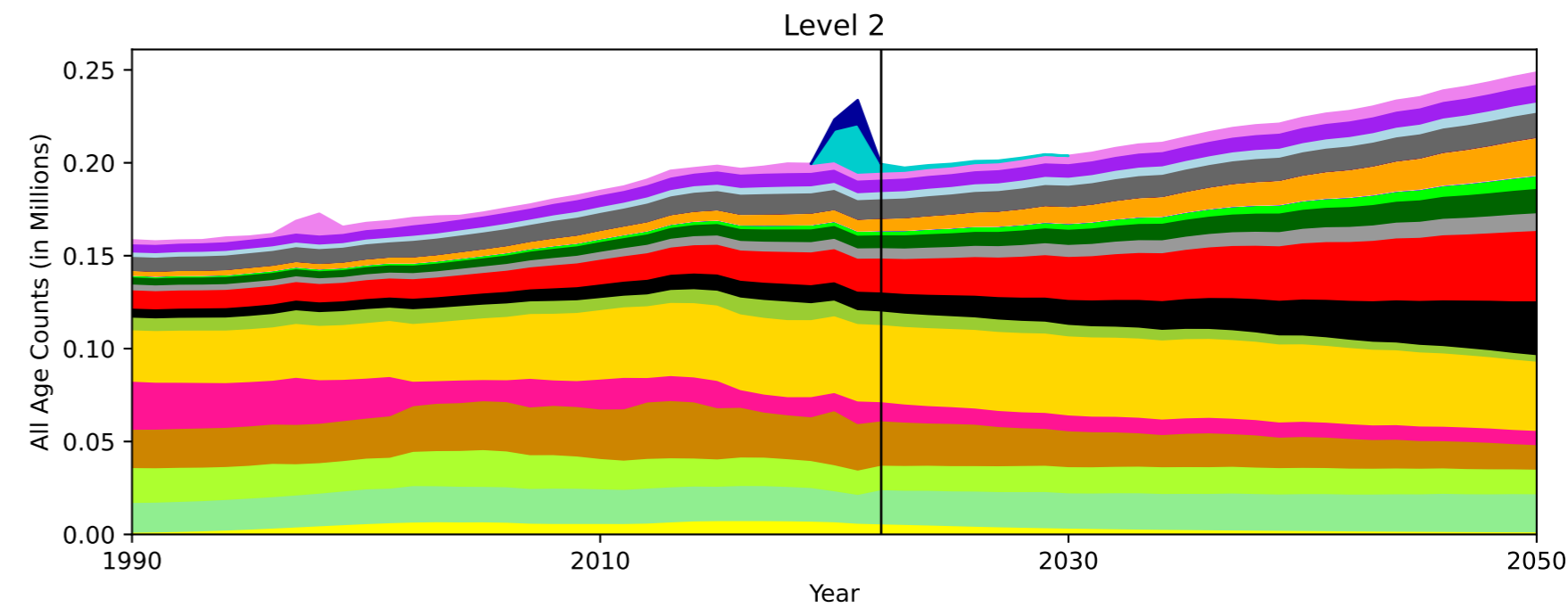
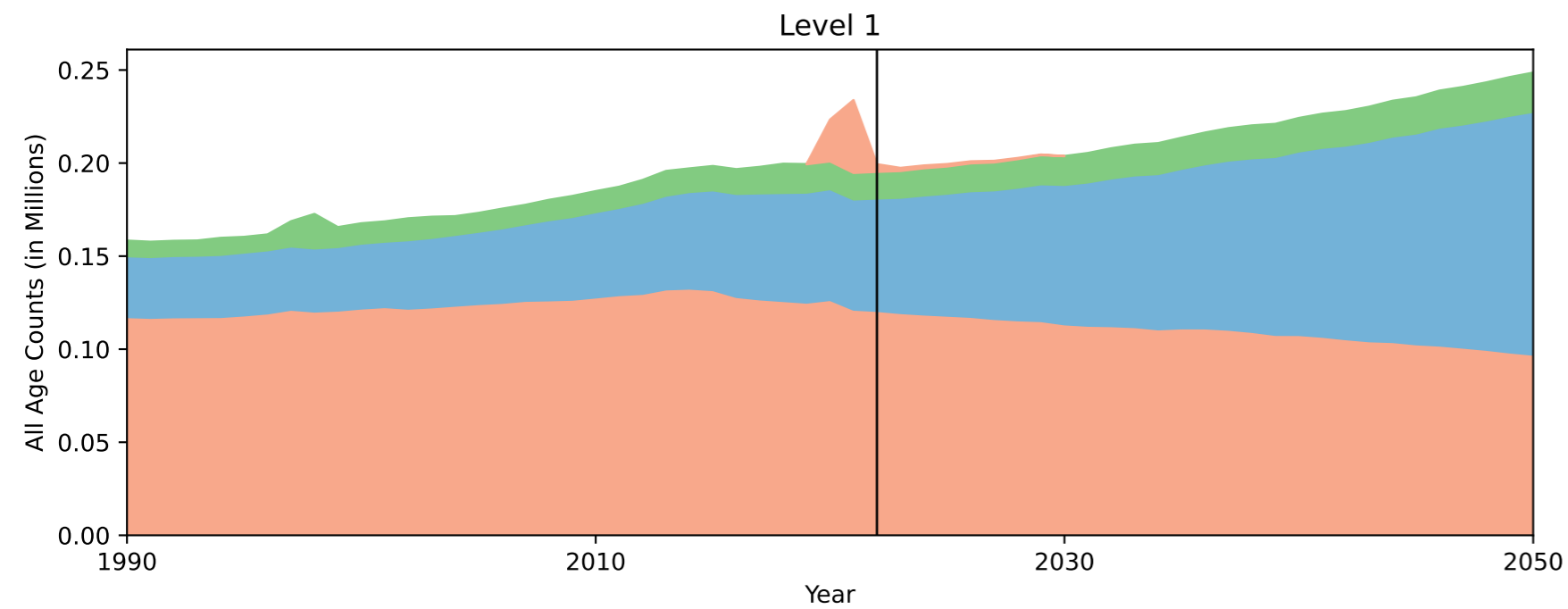
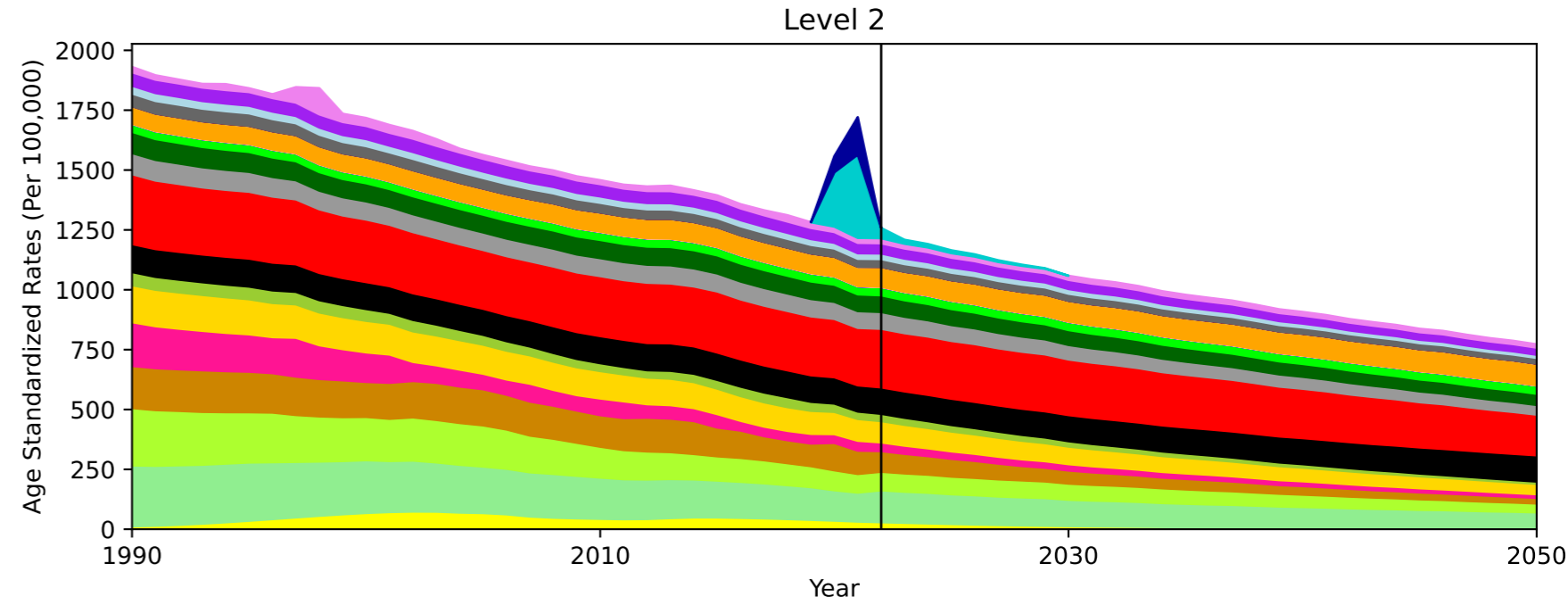
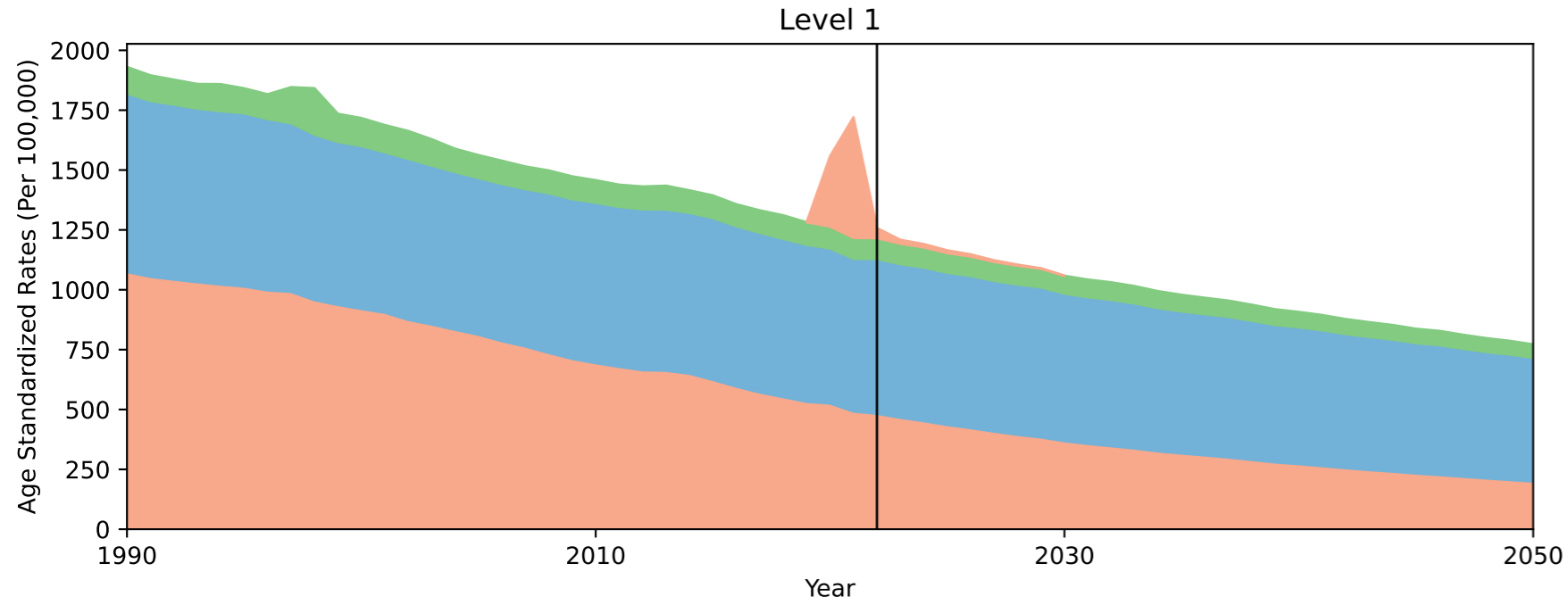


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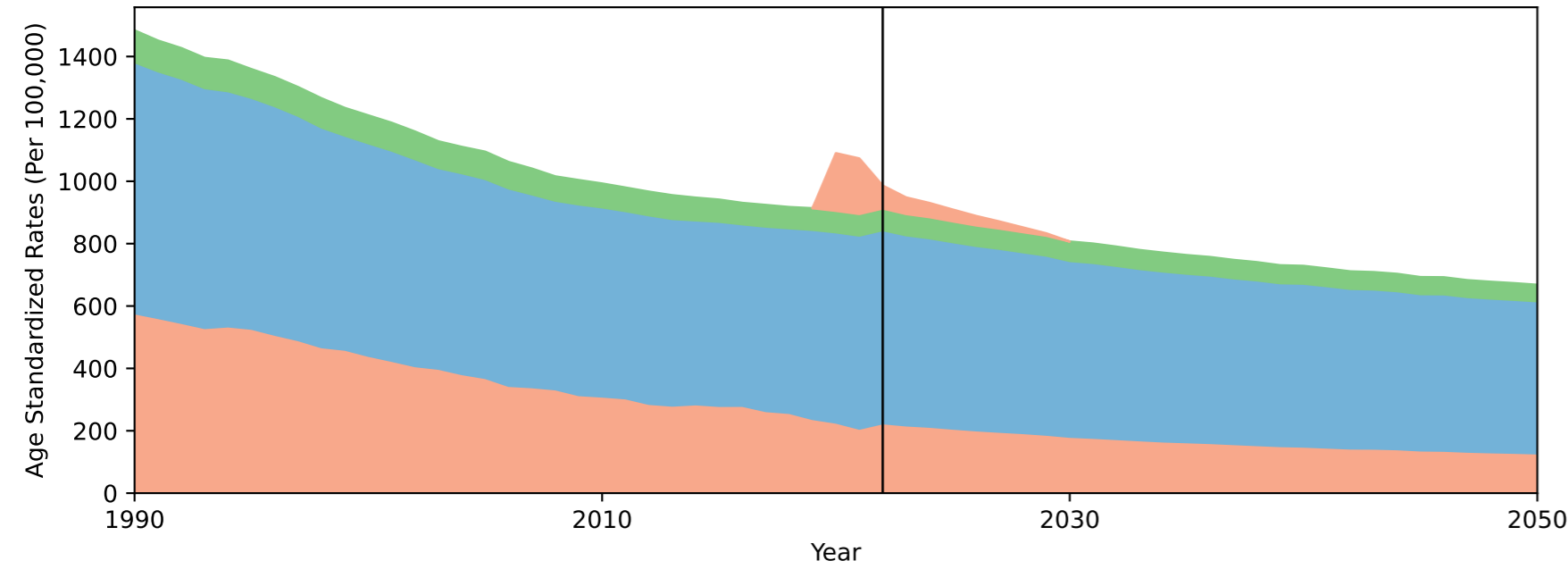
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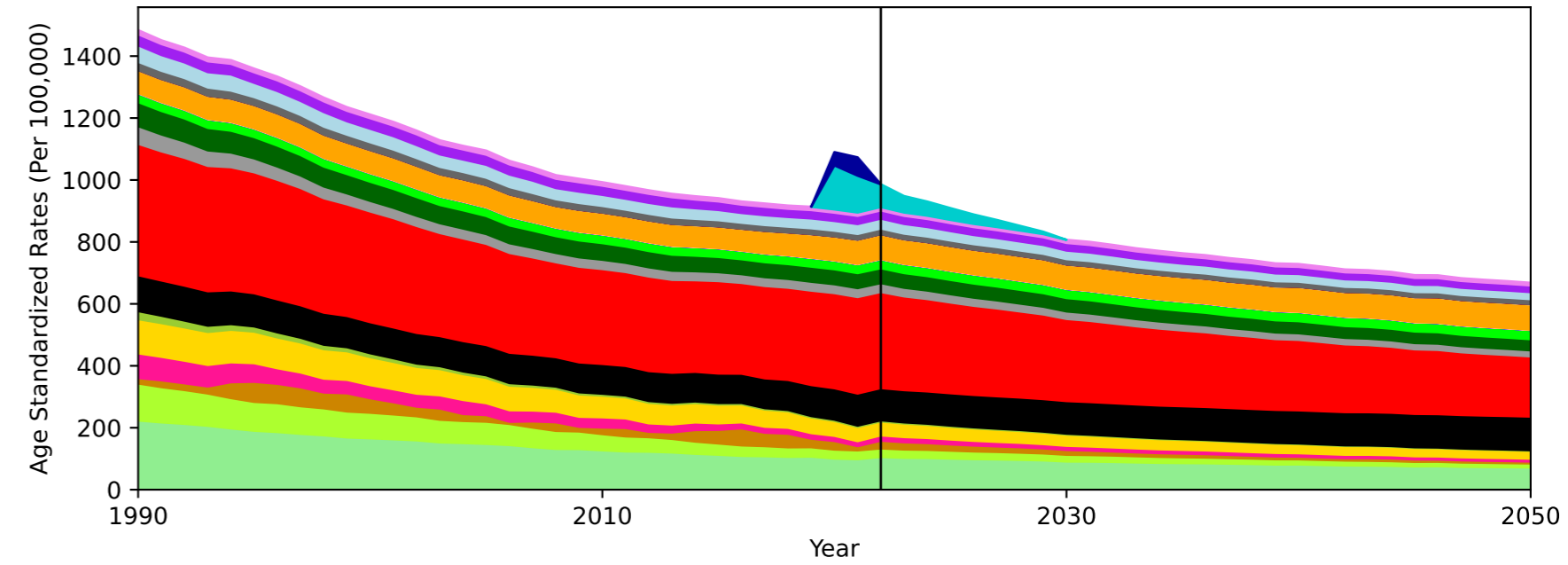


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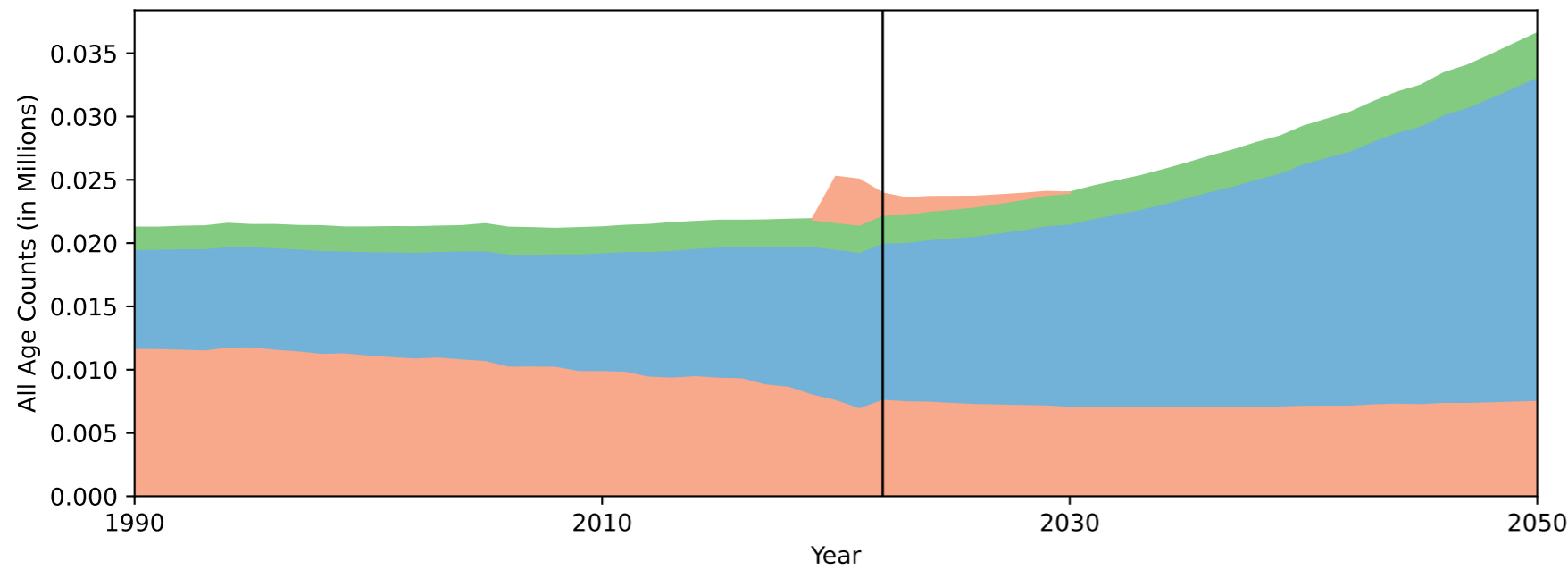
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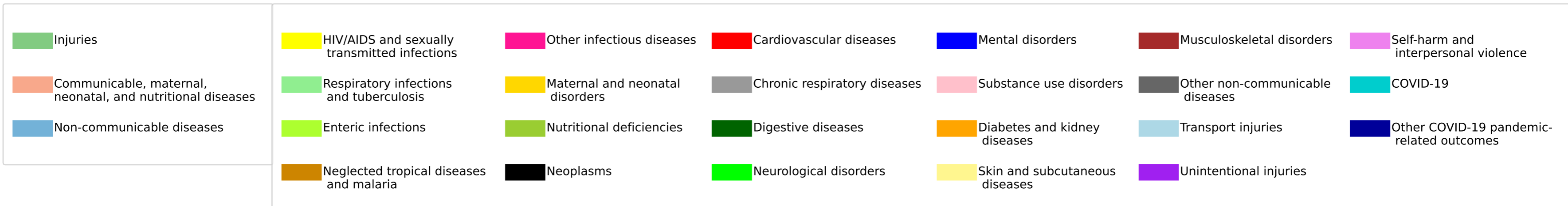
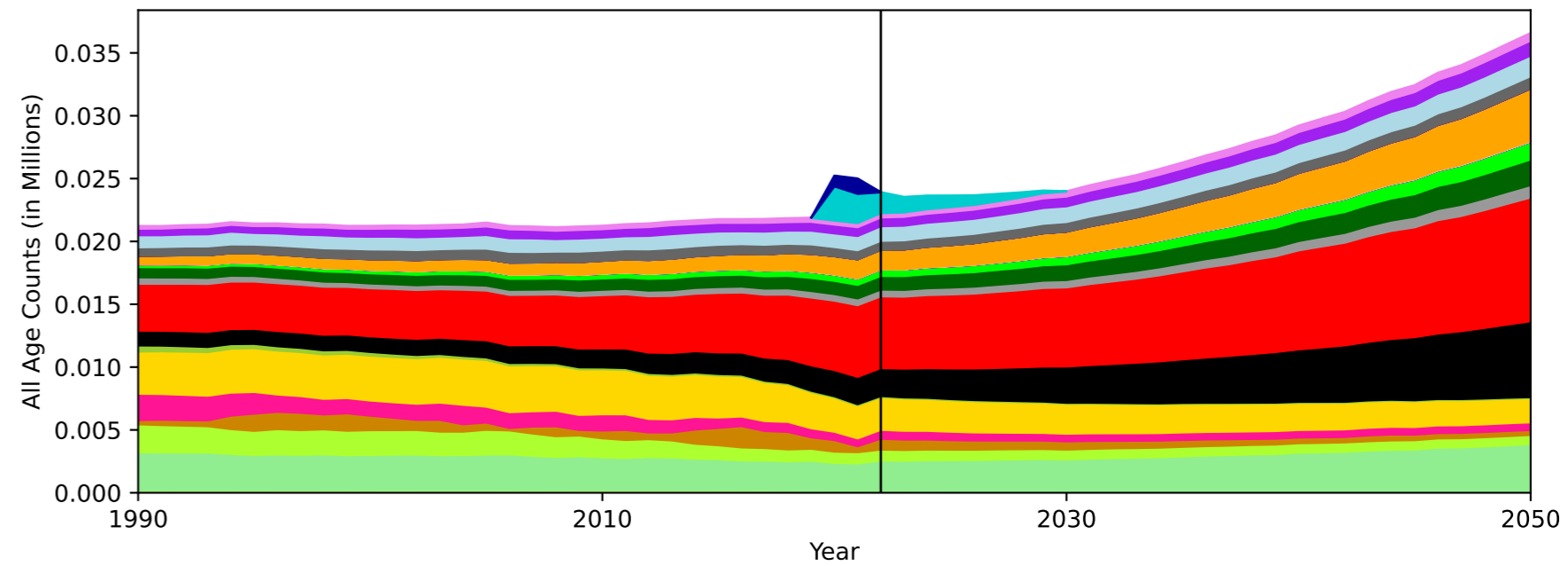
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Level 1

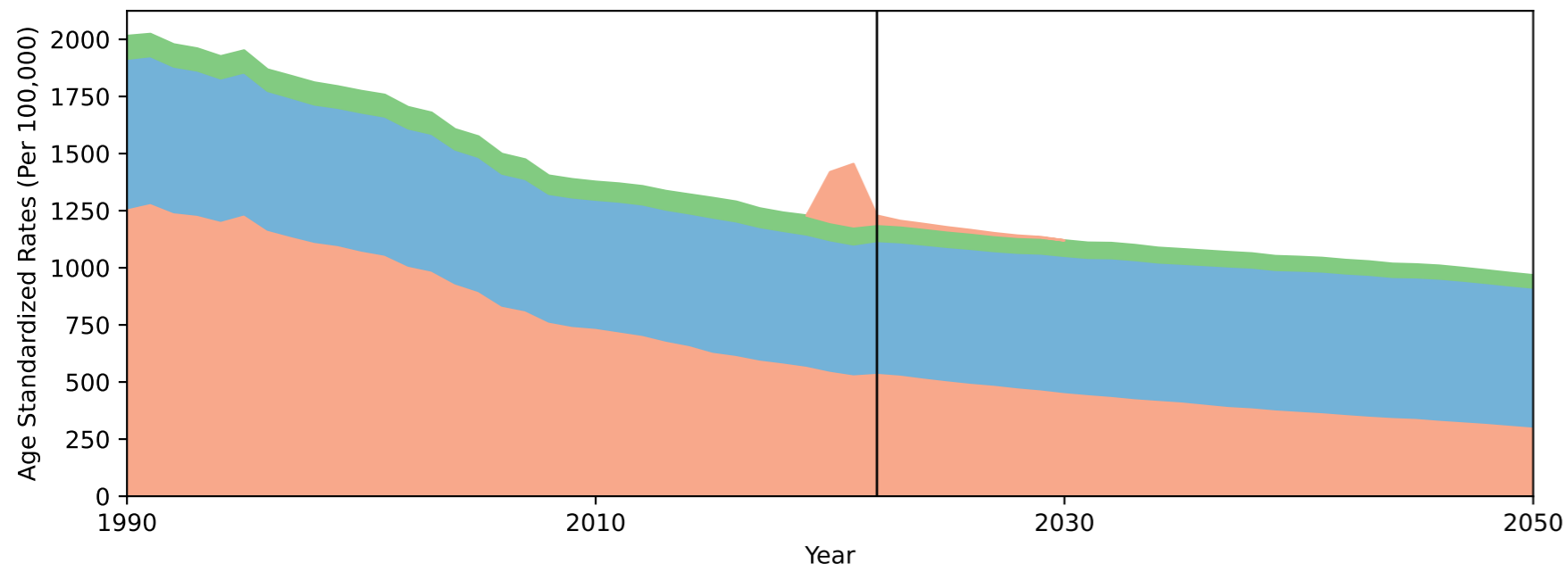


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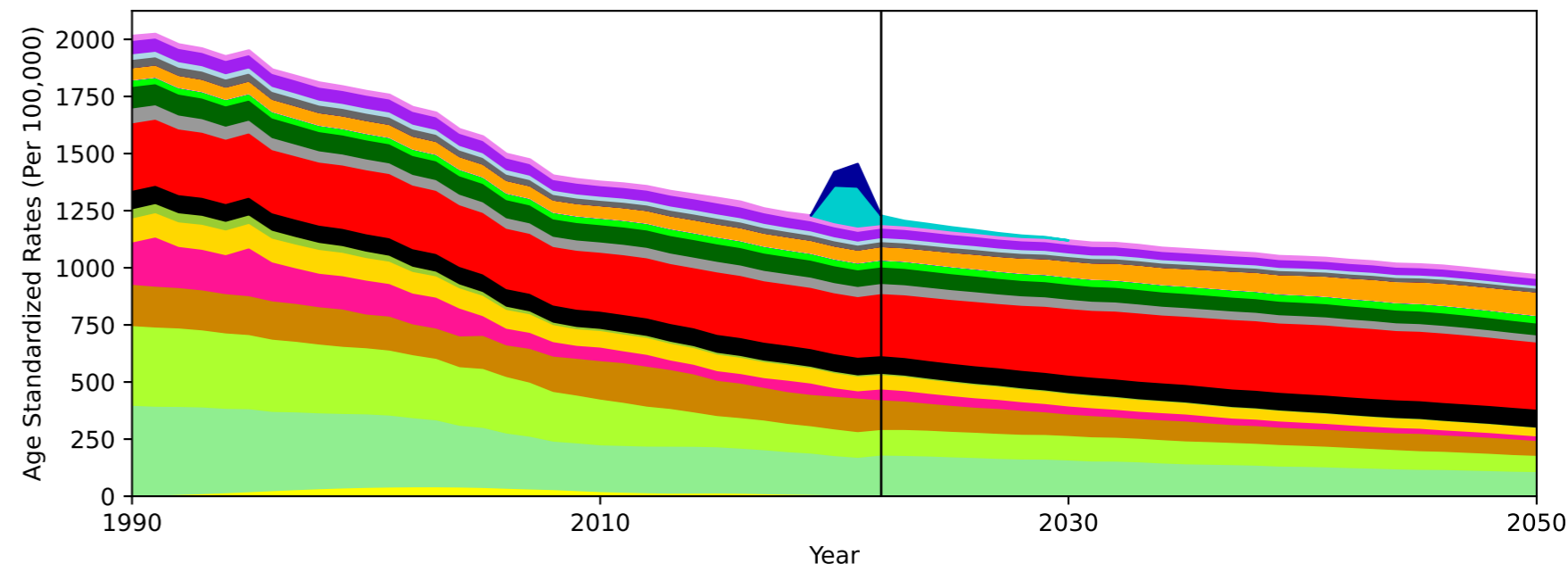


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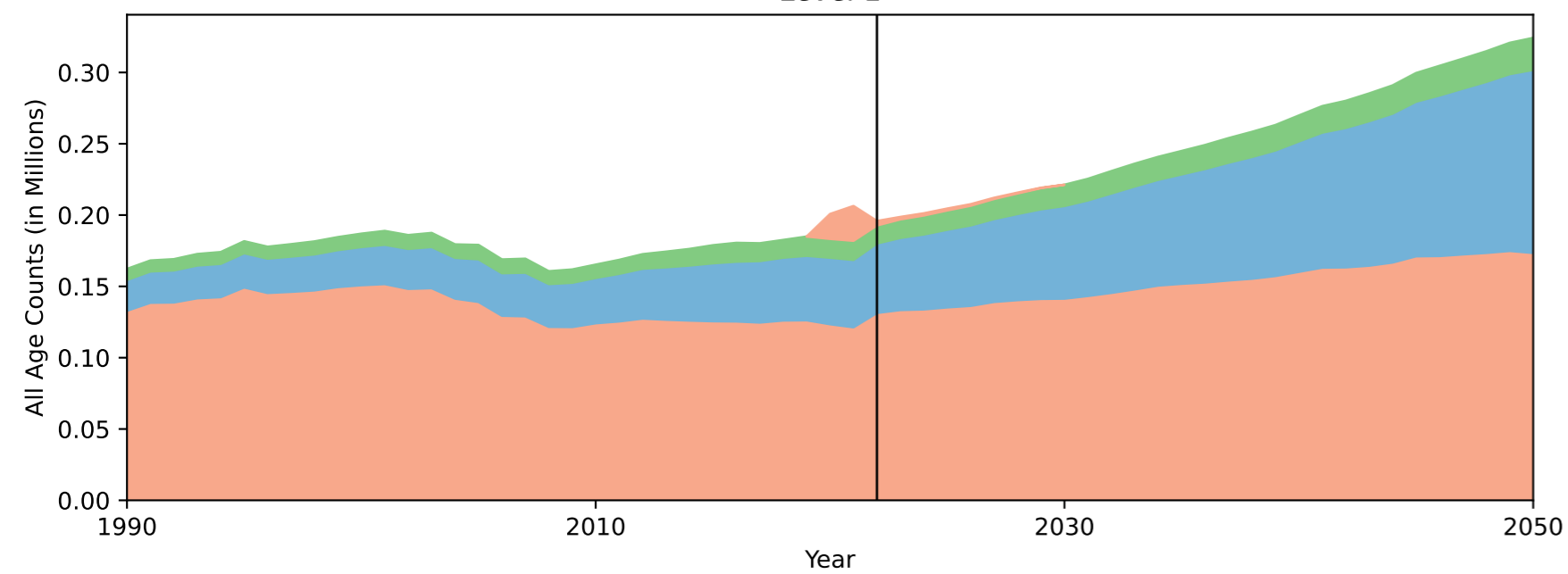
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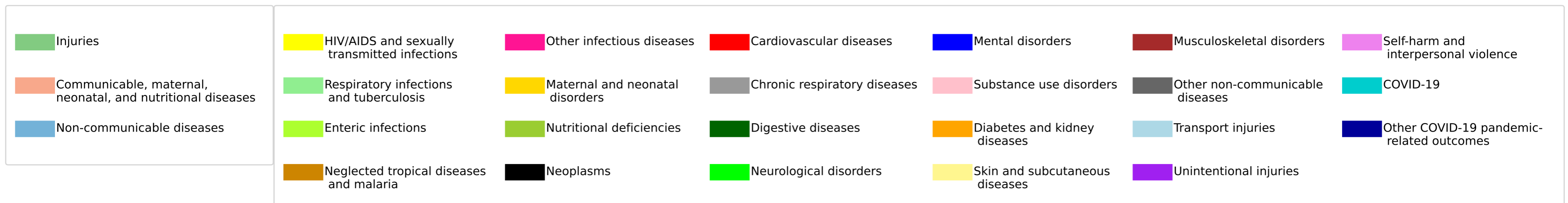
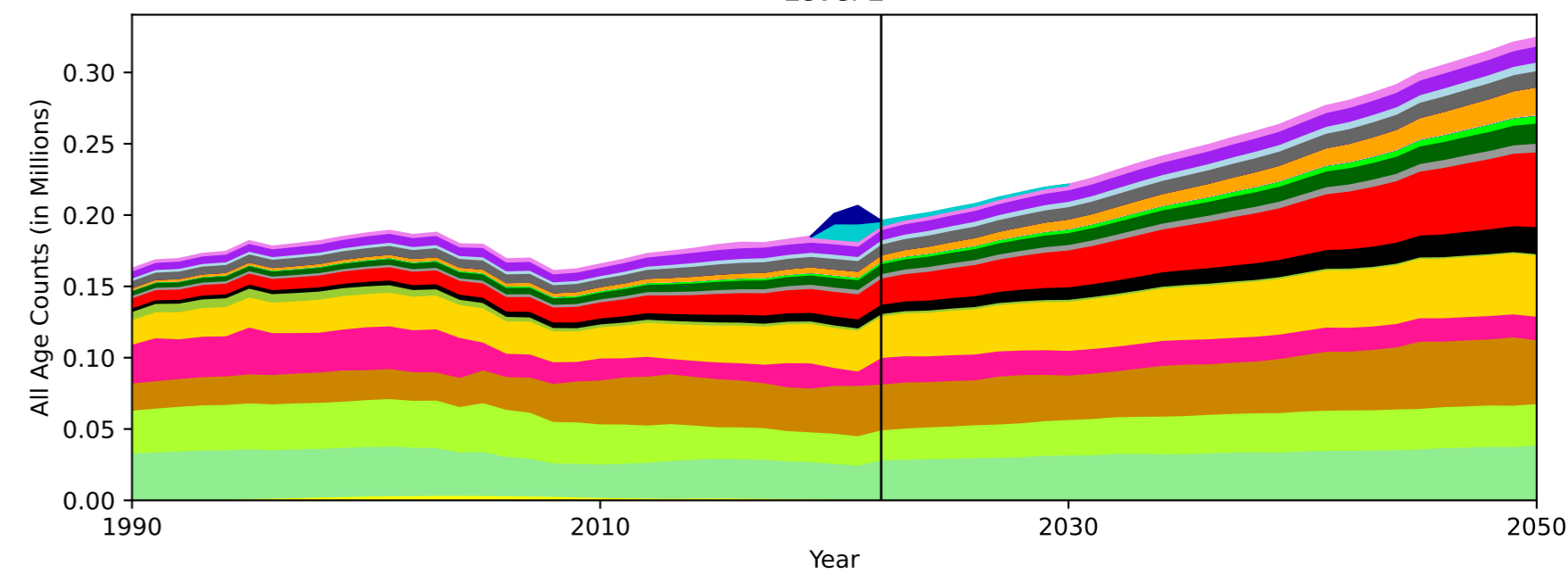
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Level 1

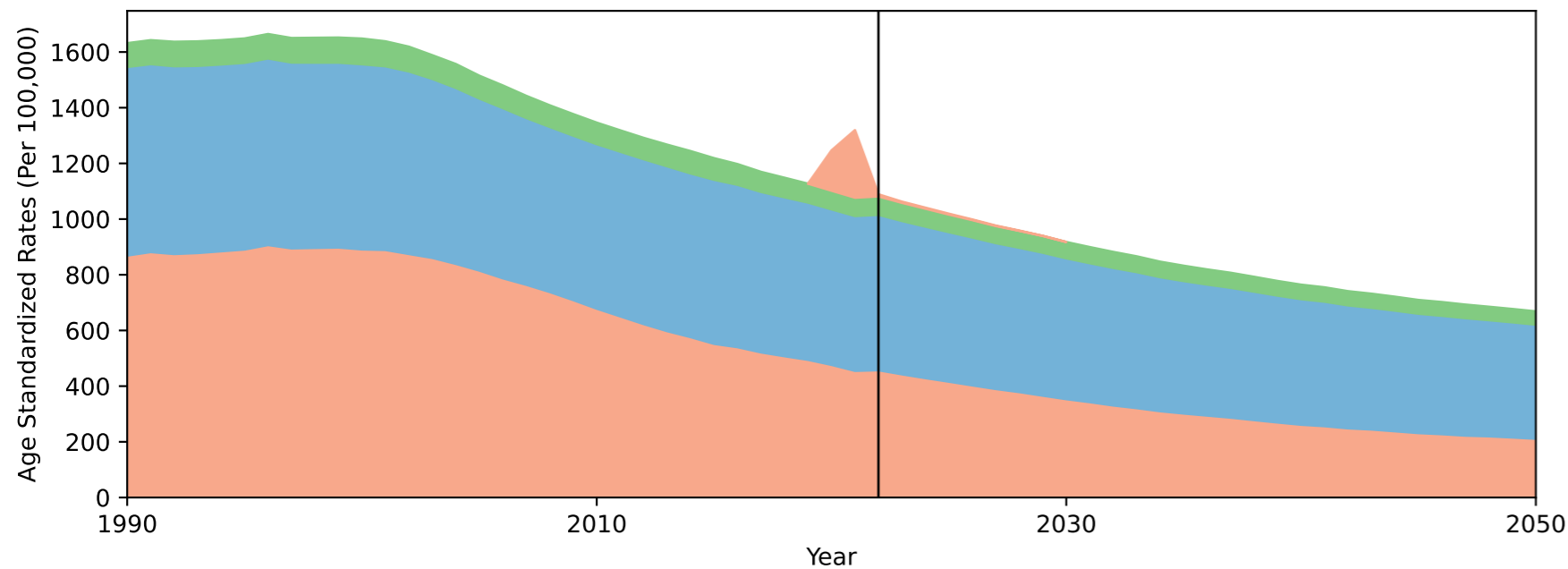


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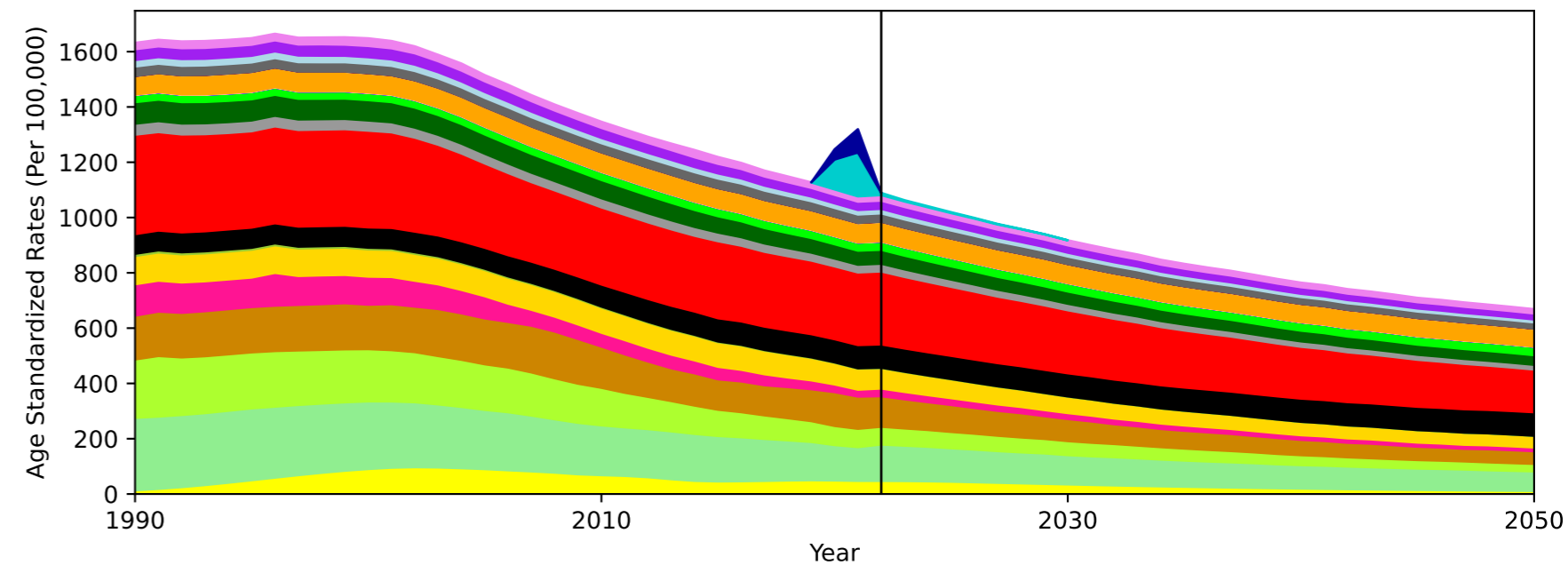


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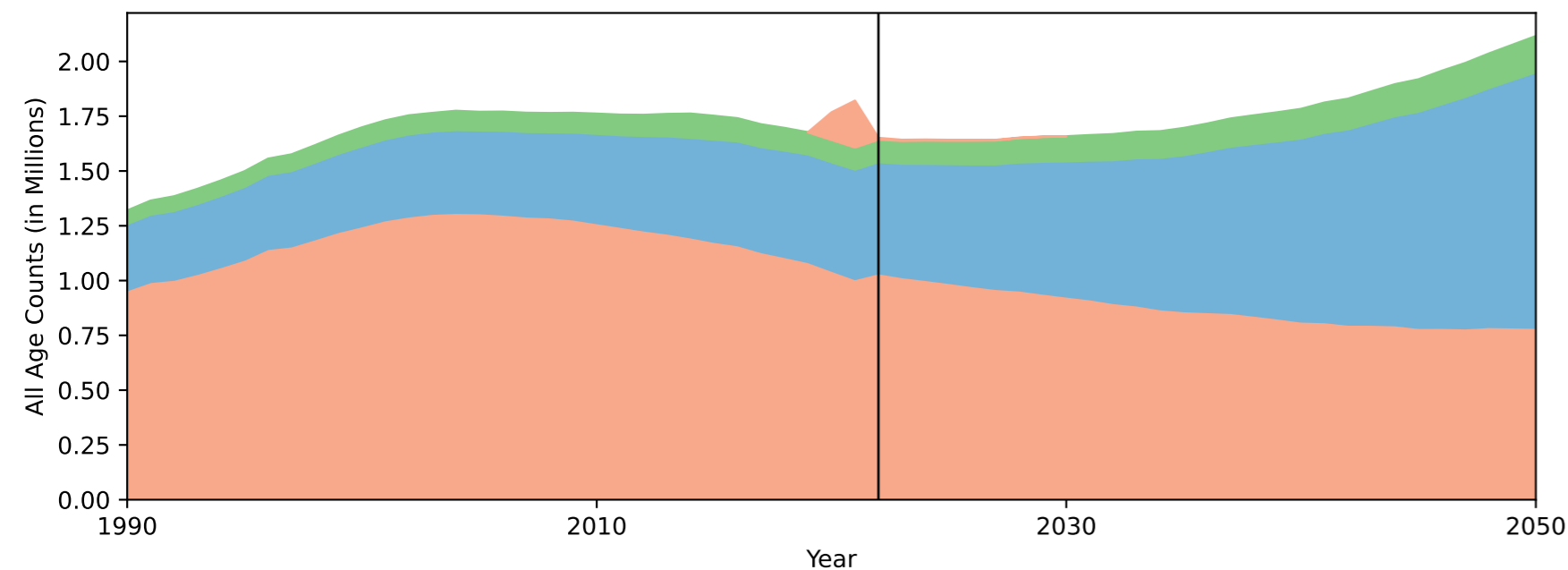
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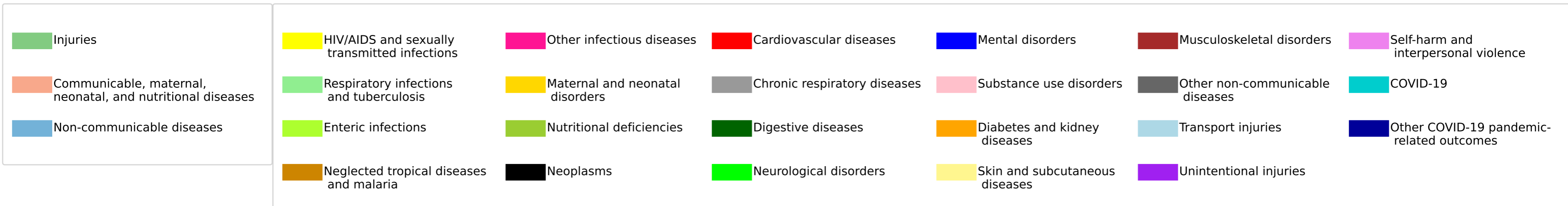
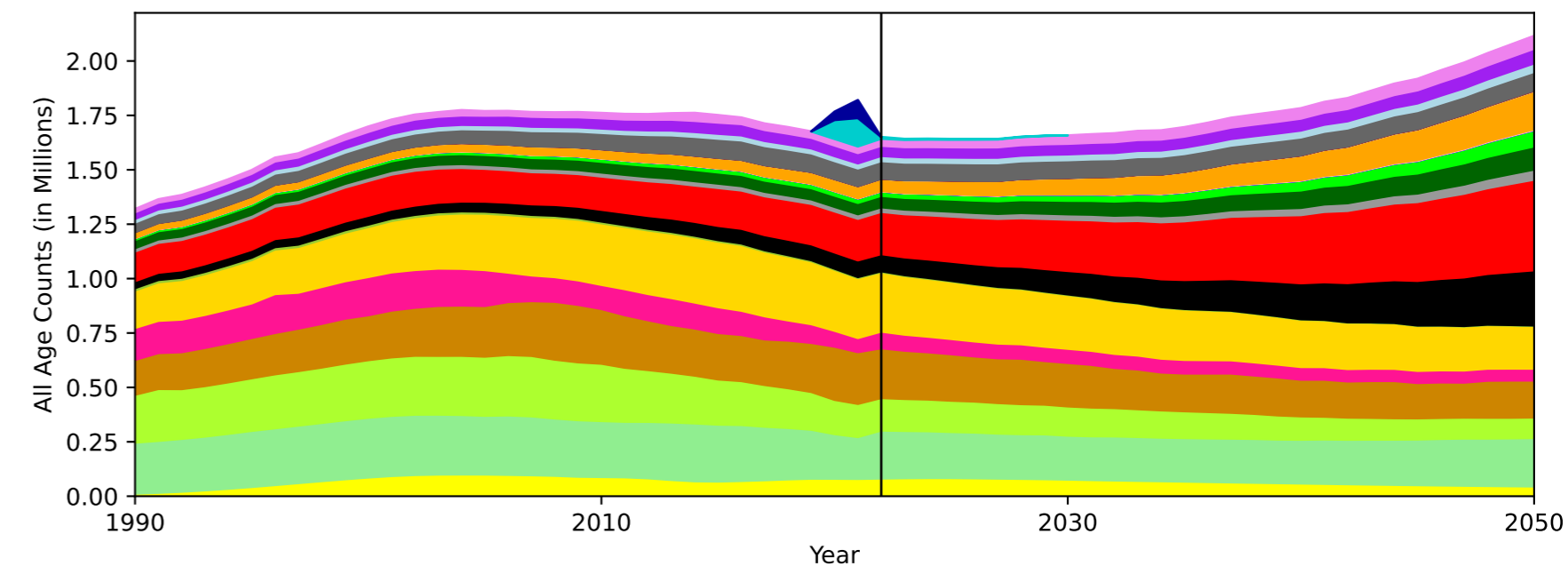
Level 2



Level 1



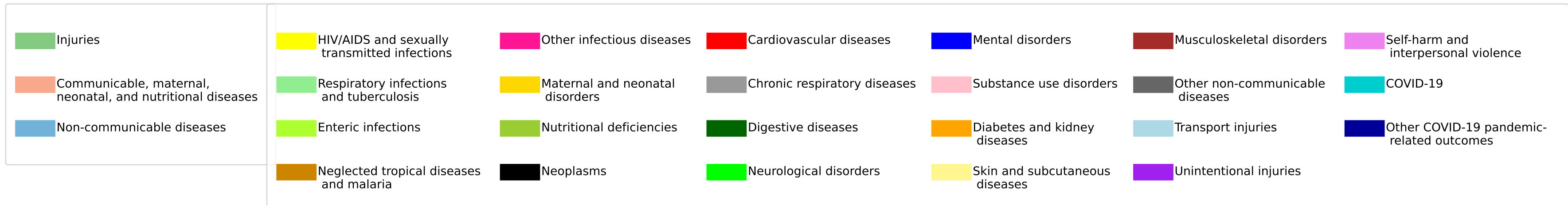
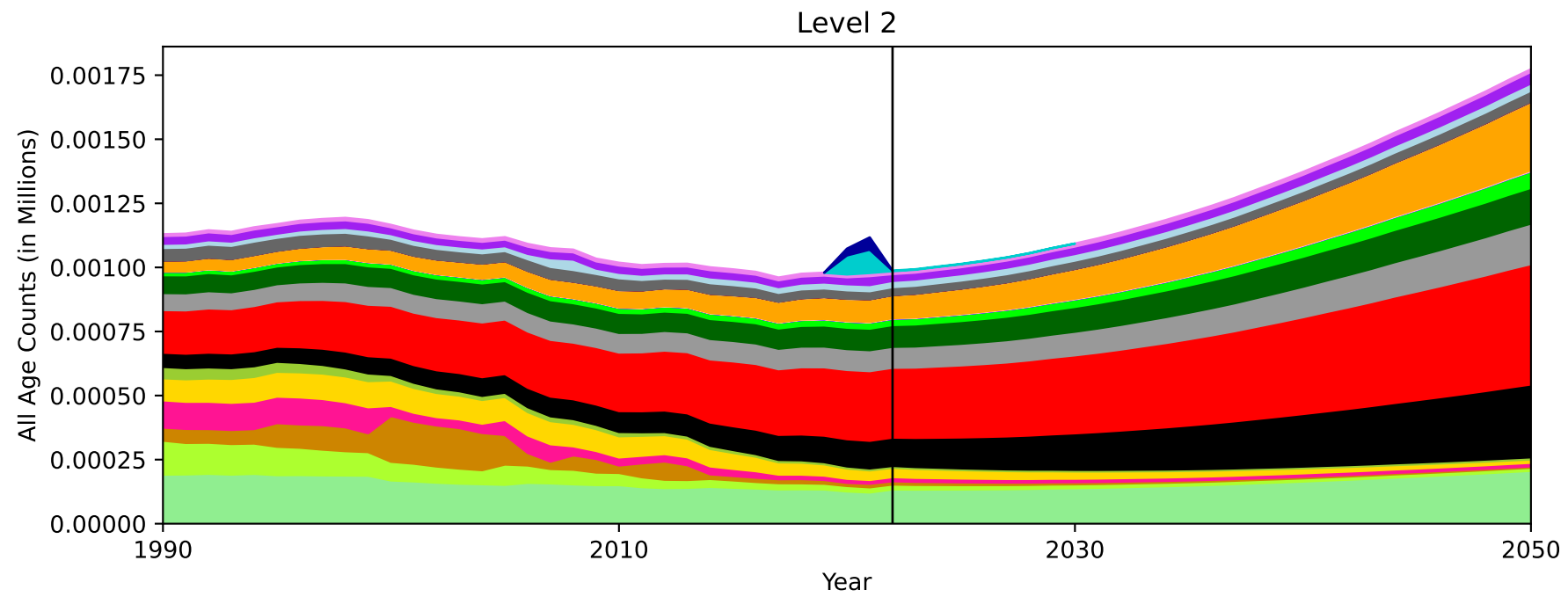
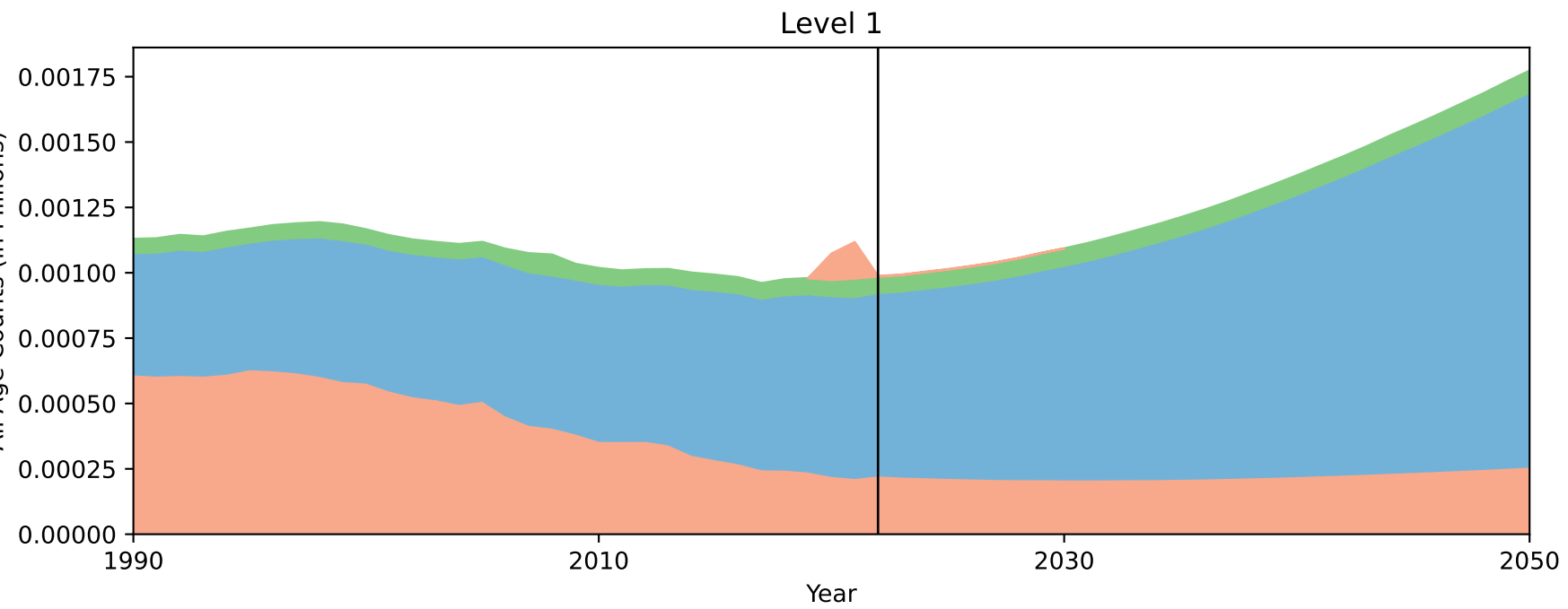
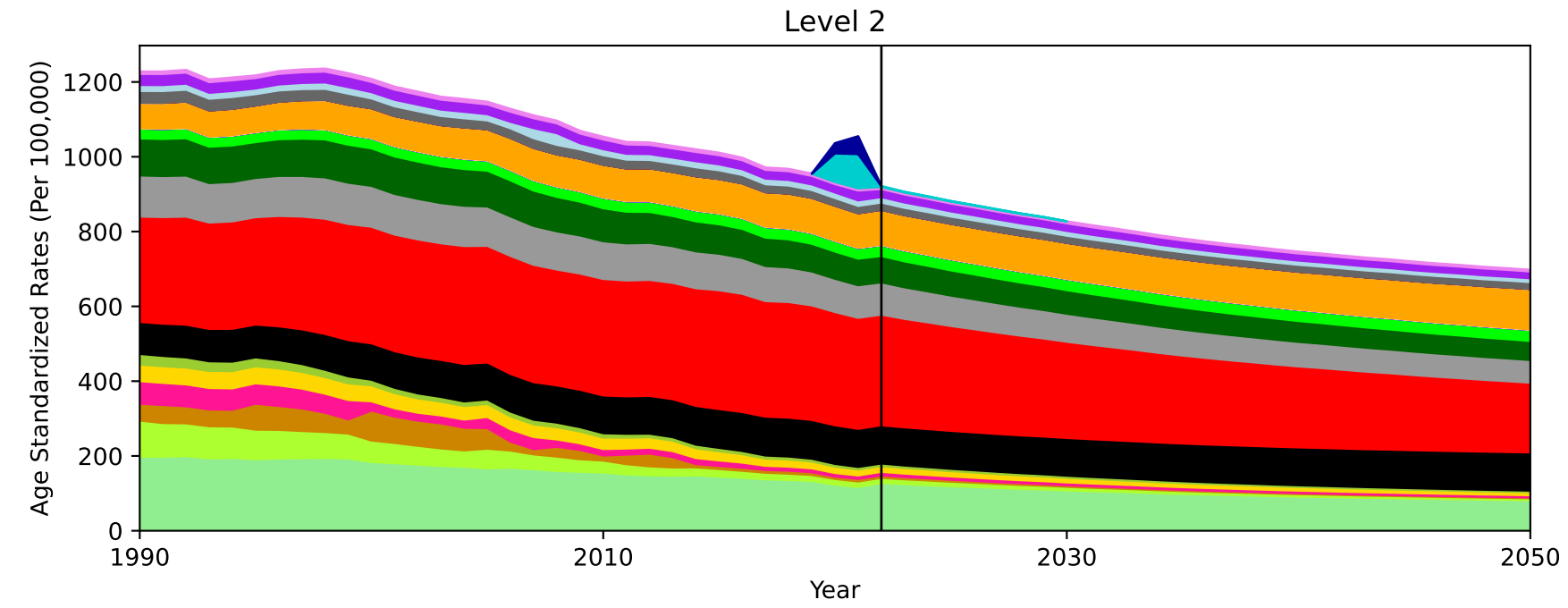
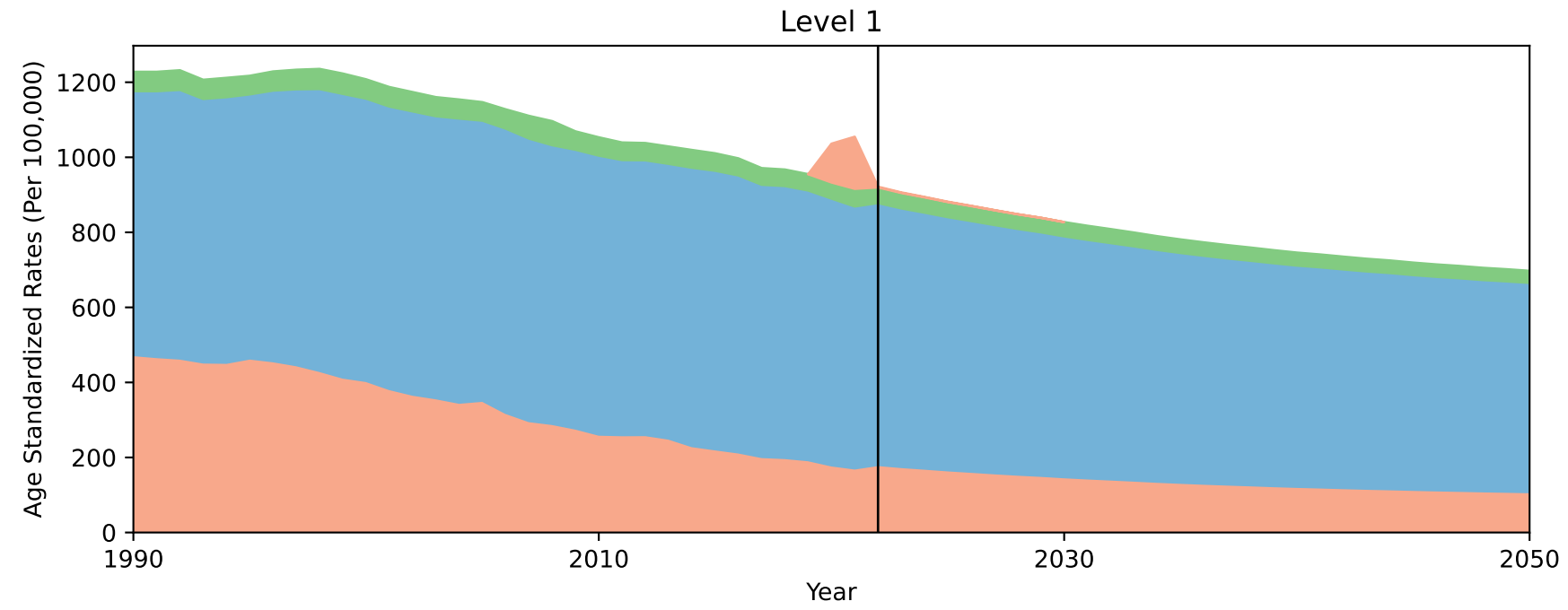
Level 2



# São Tomé And Príncipe

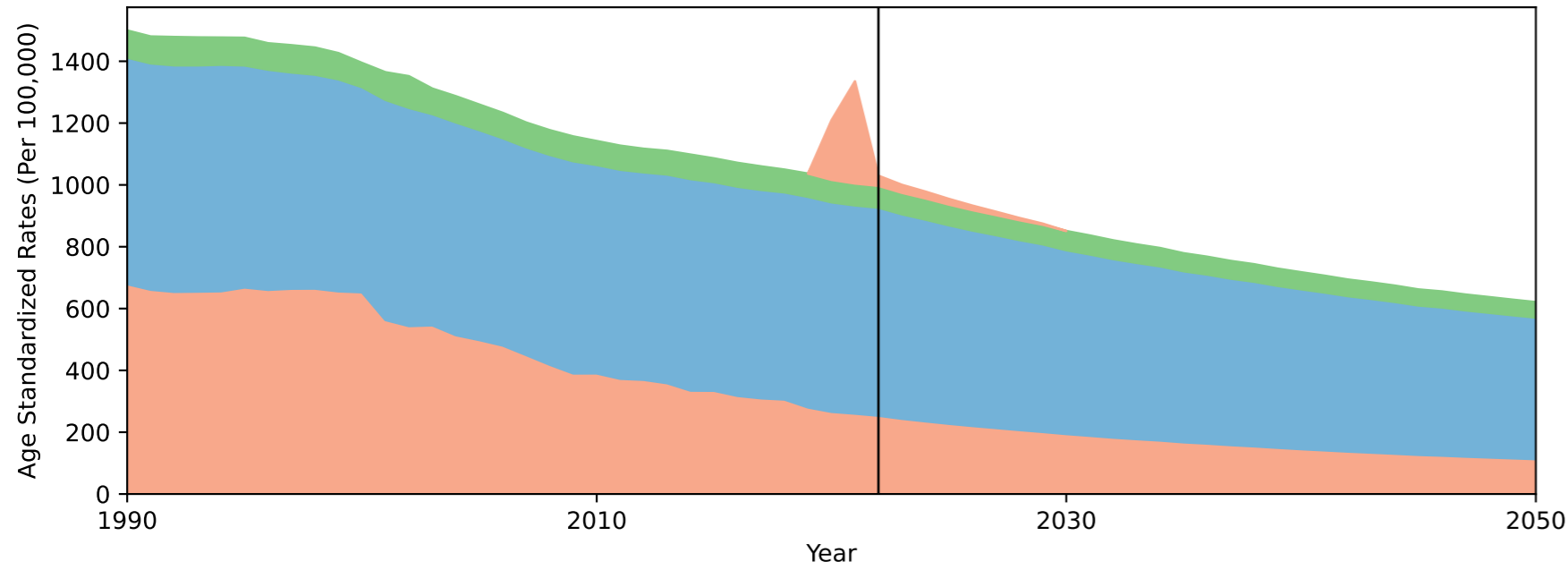
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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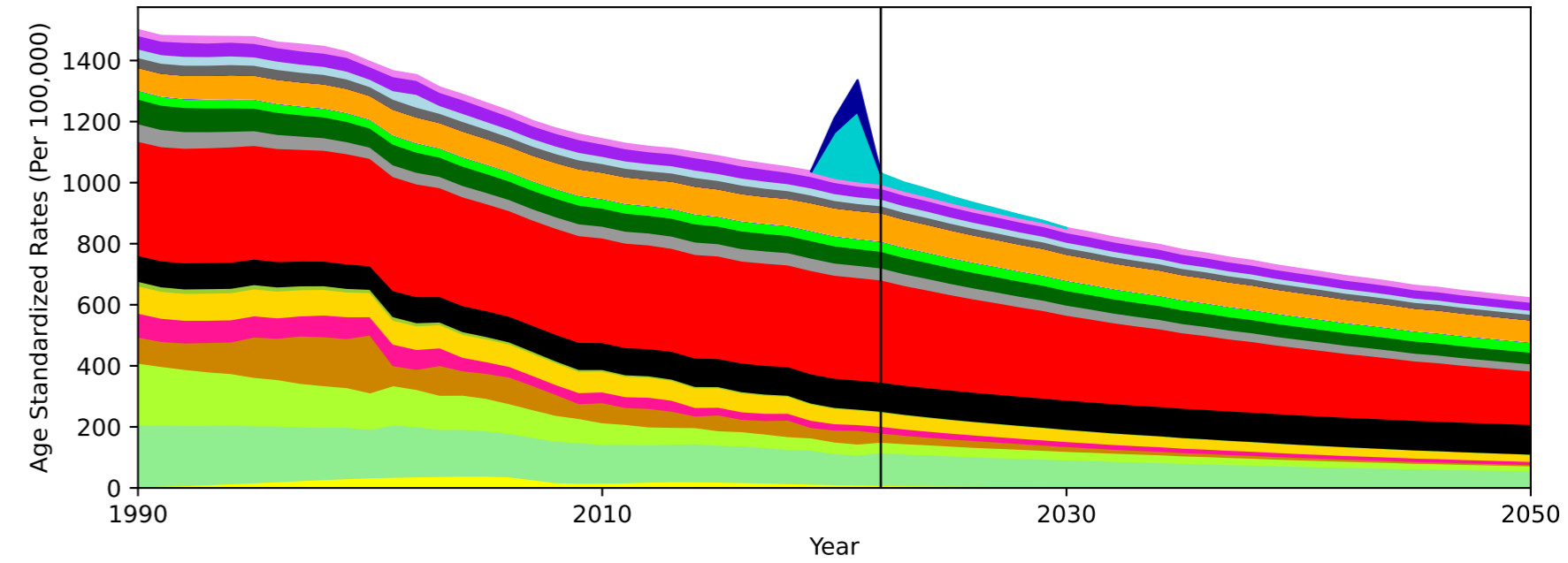


# Senegal

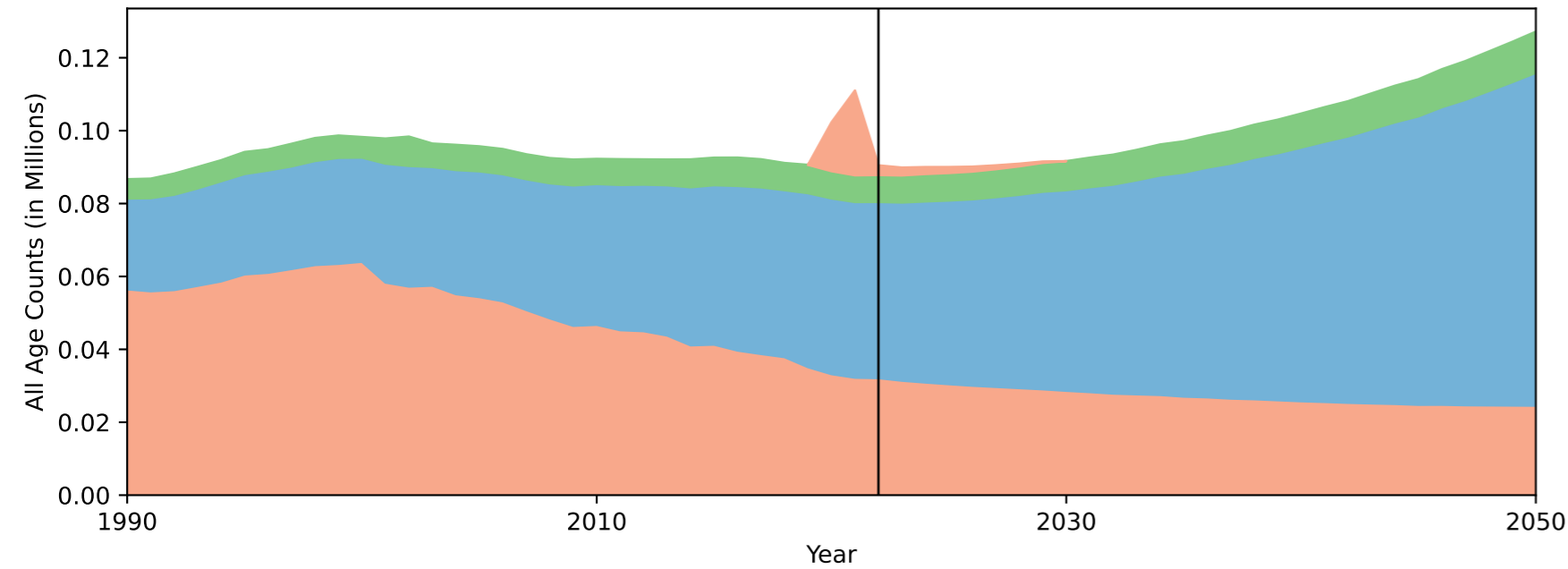
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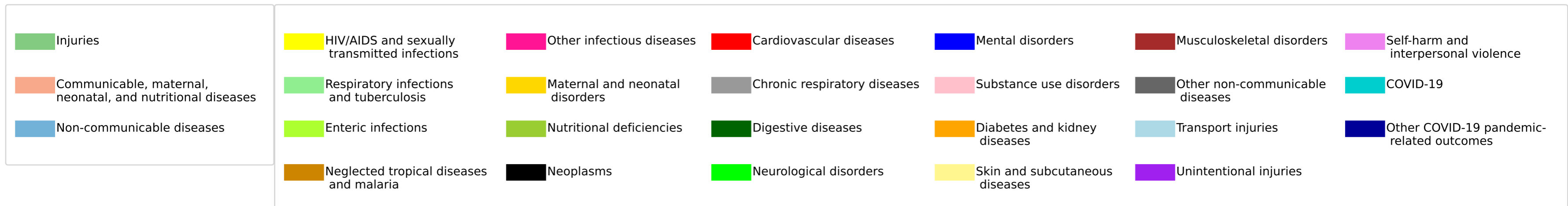
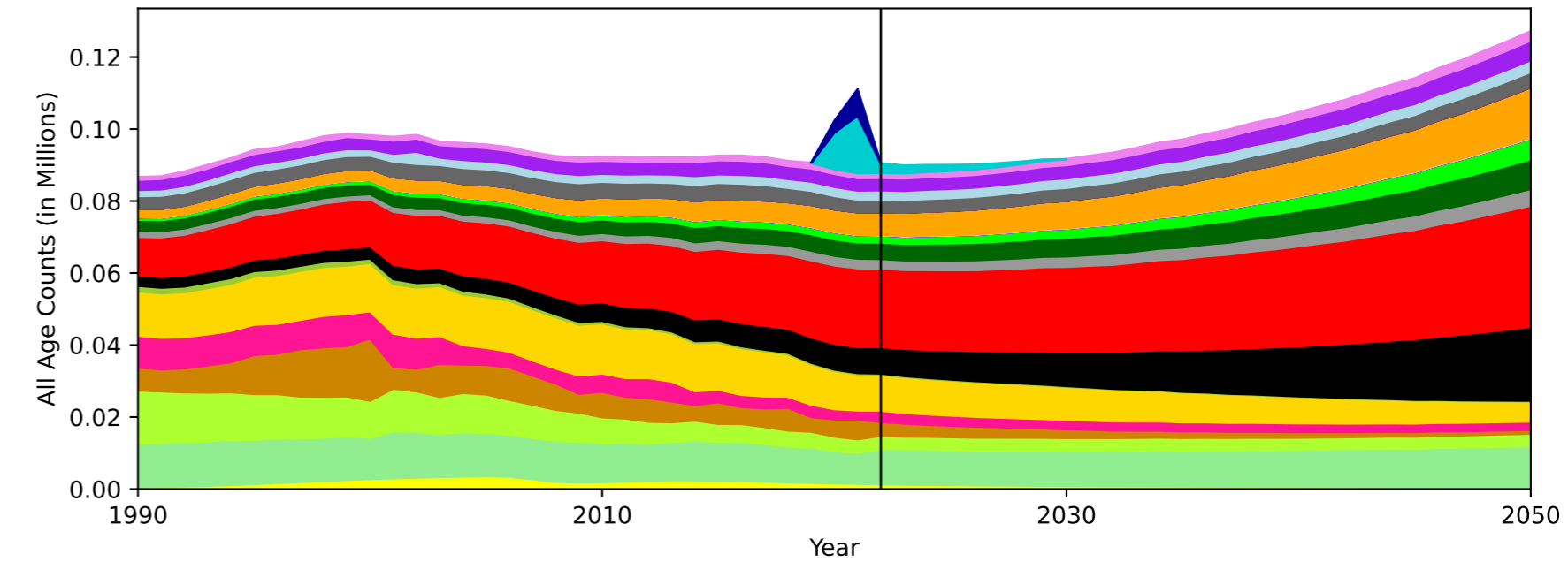
Level 2



Level 1



Level 2

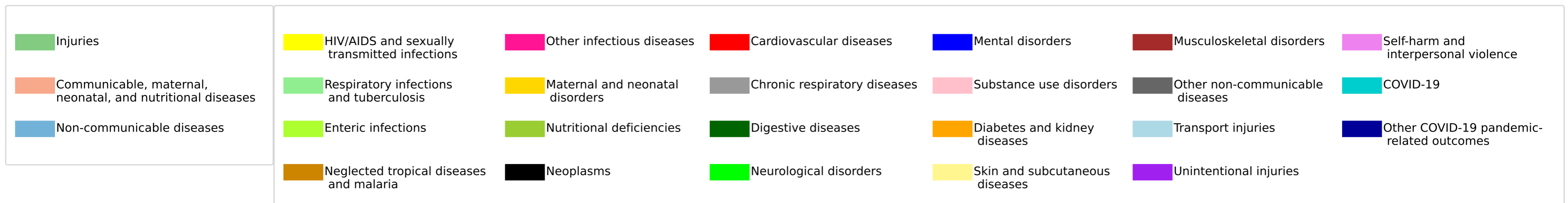
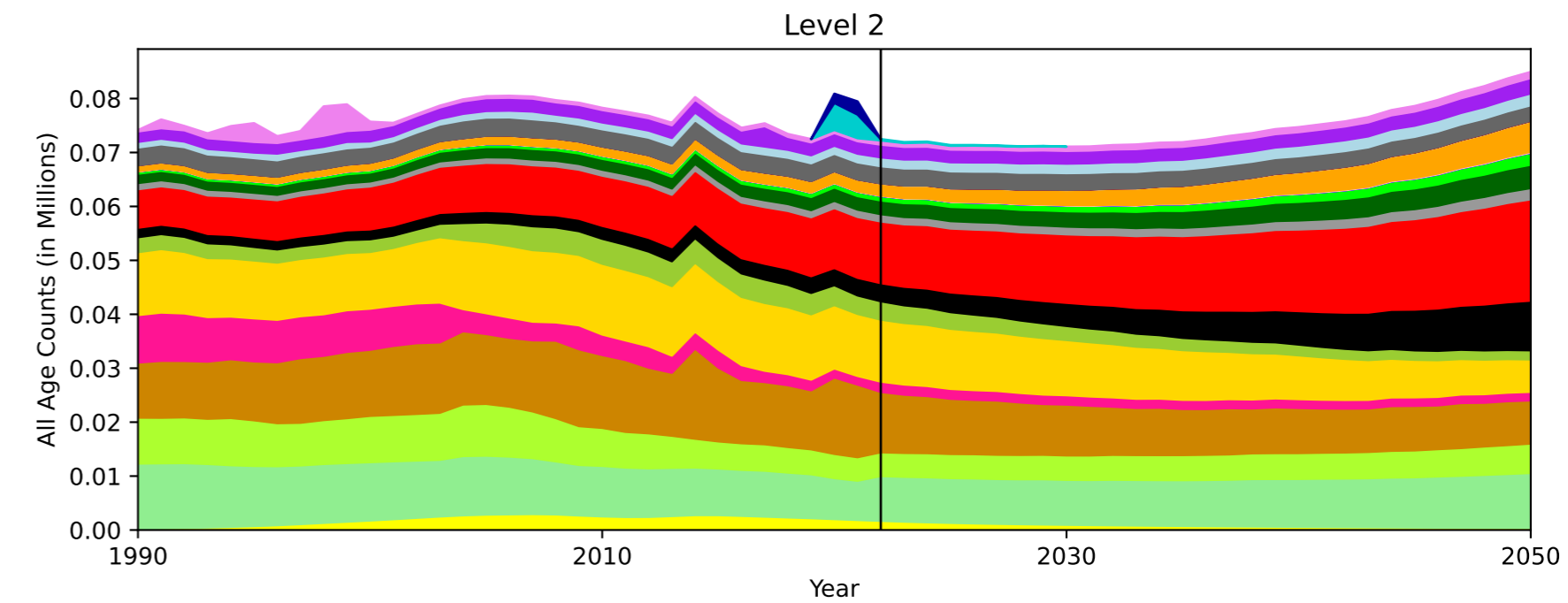
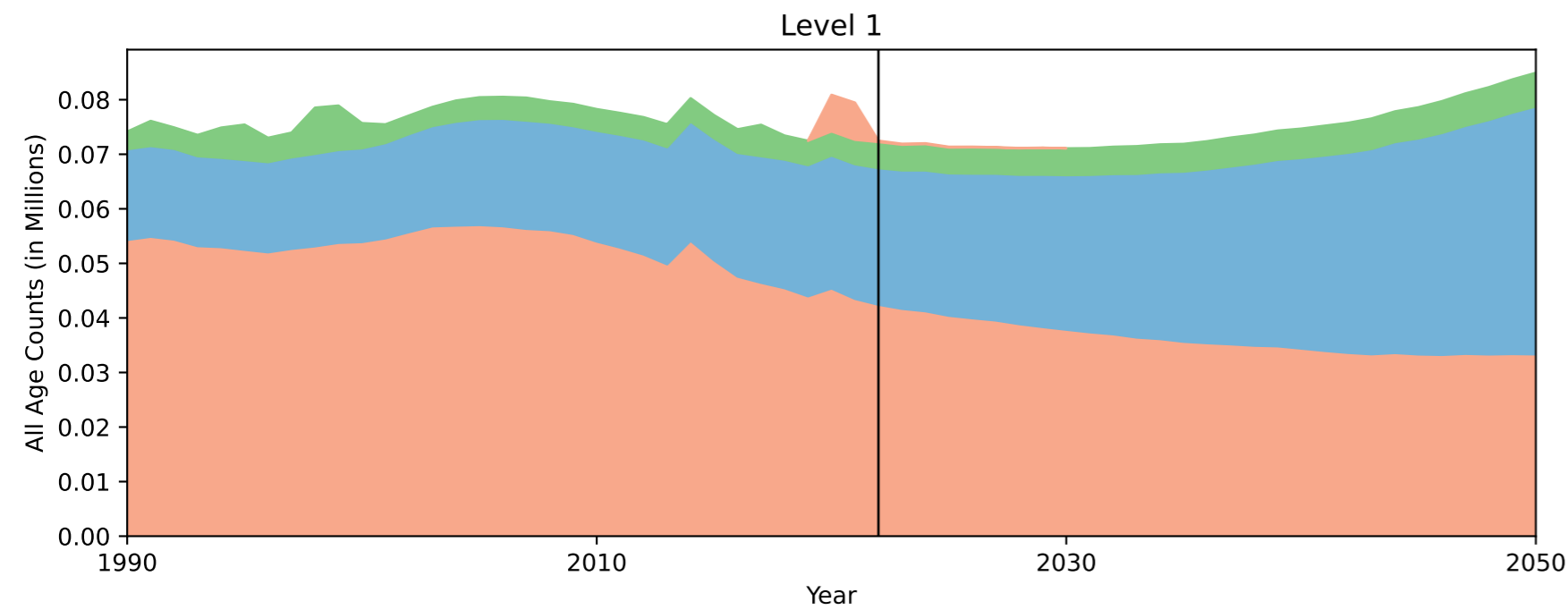
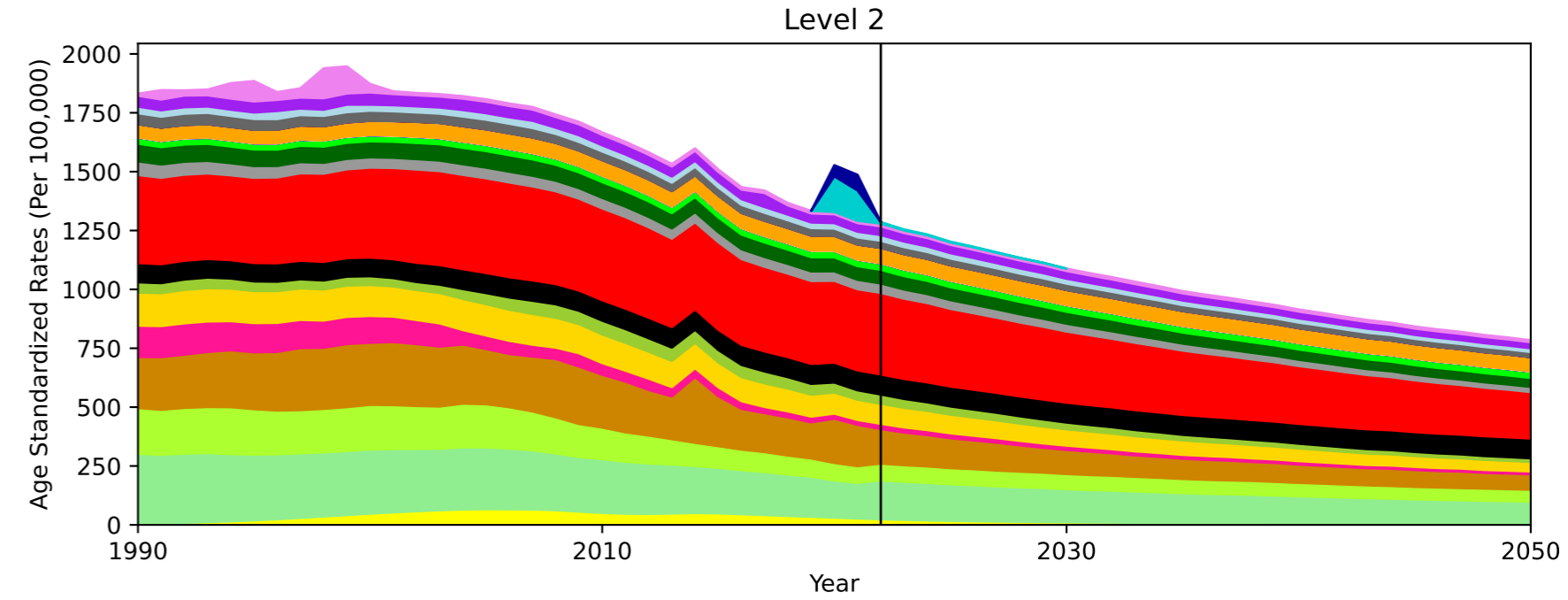
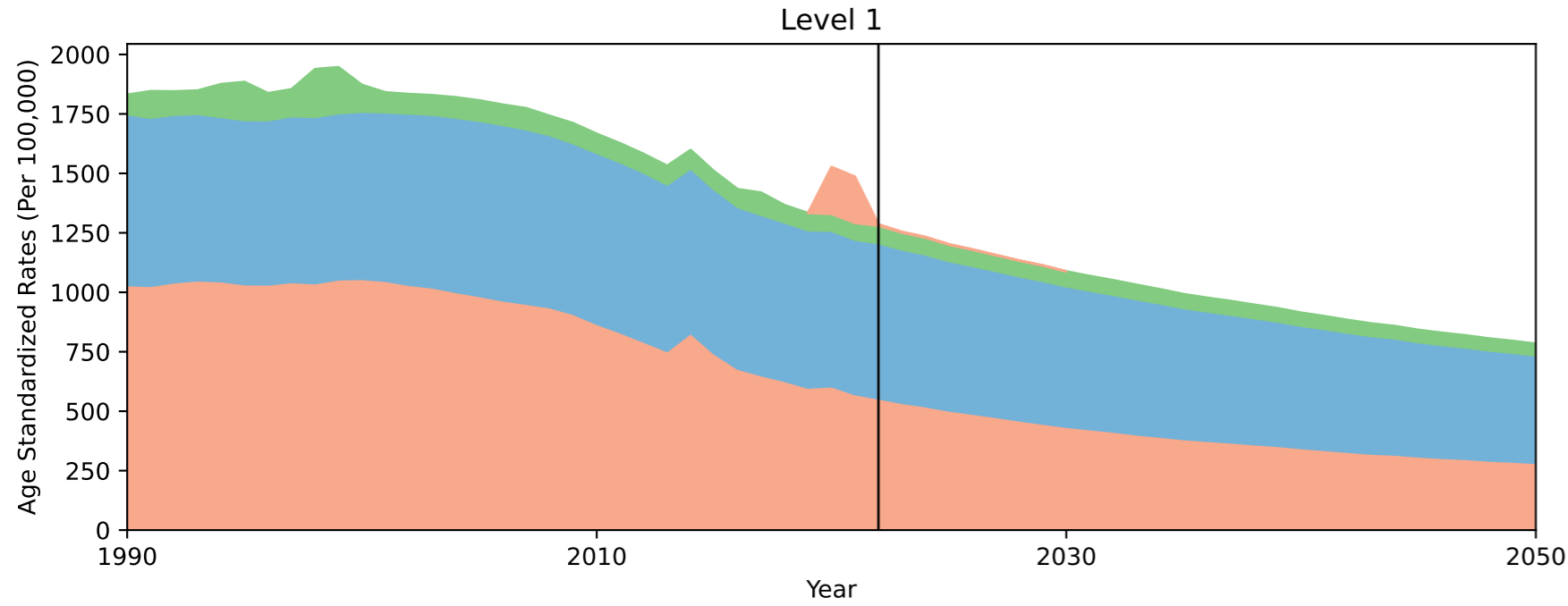


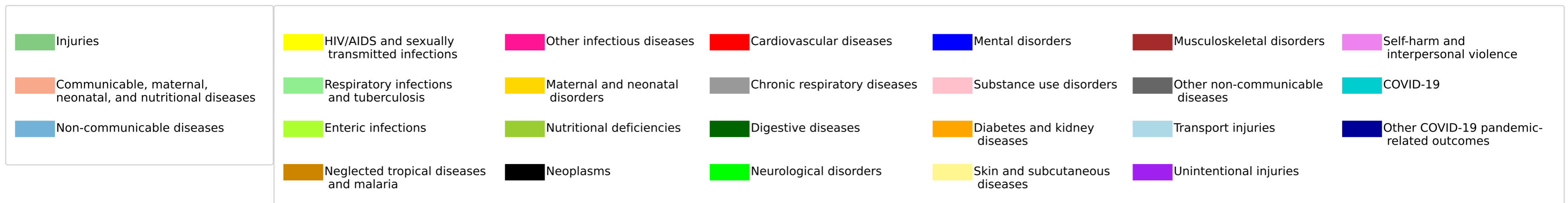
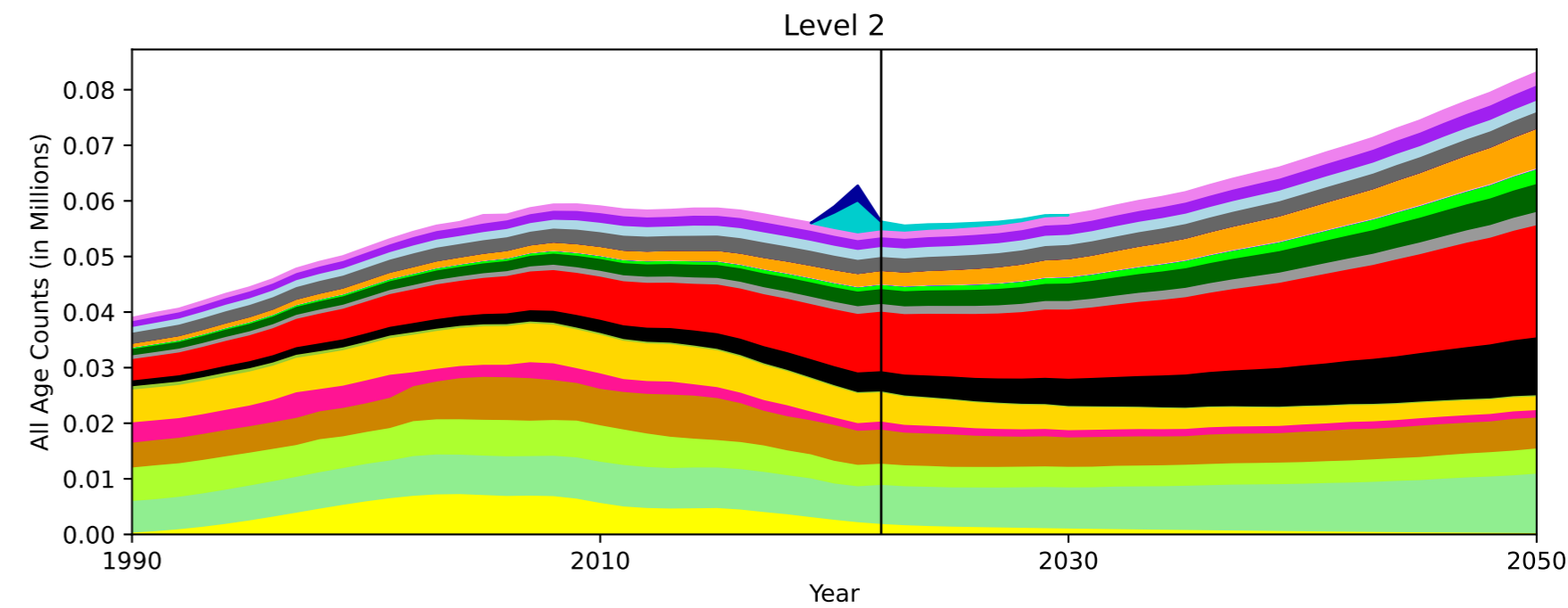
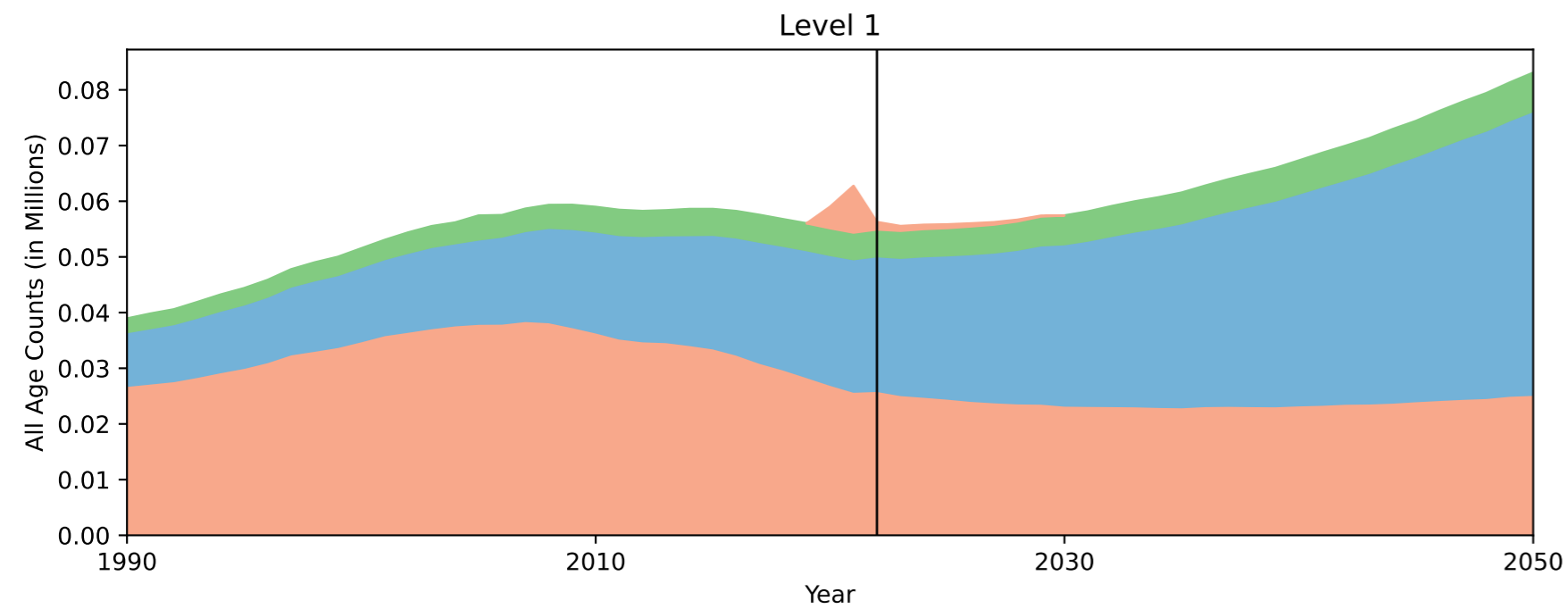
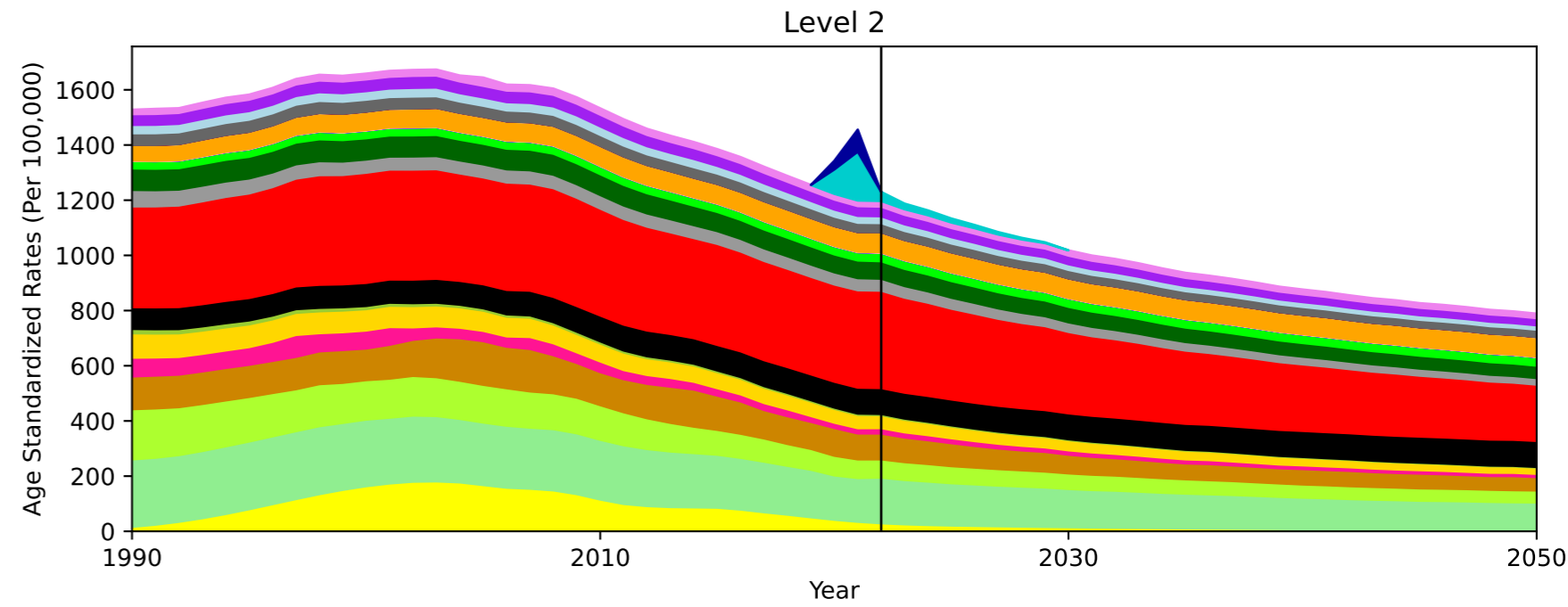
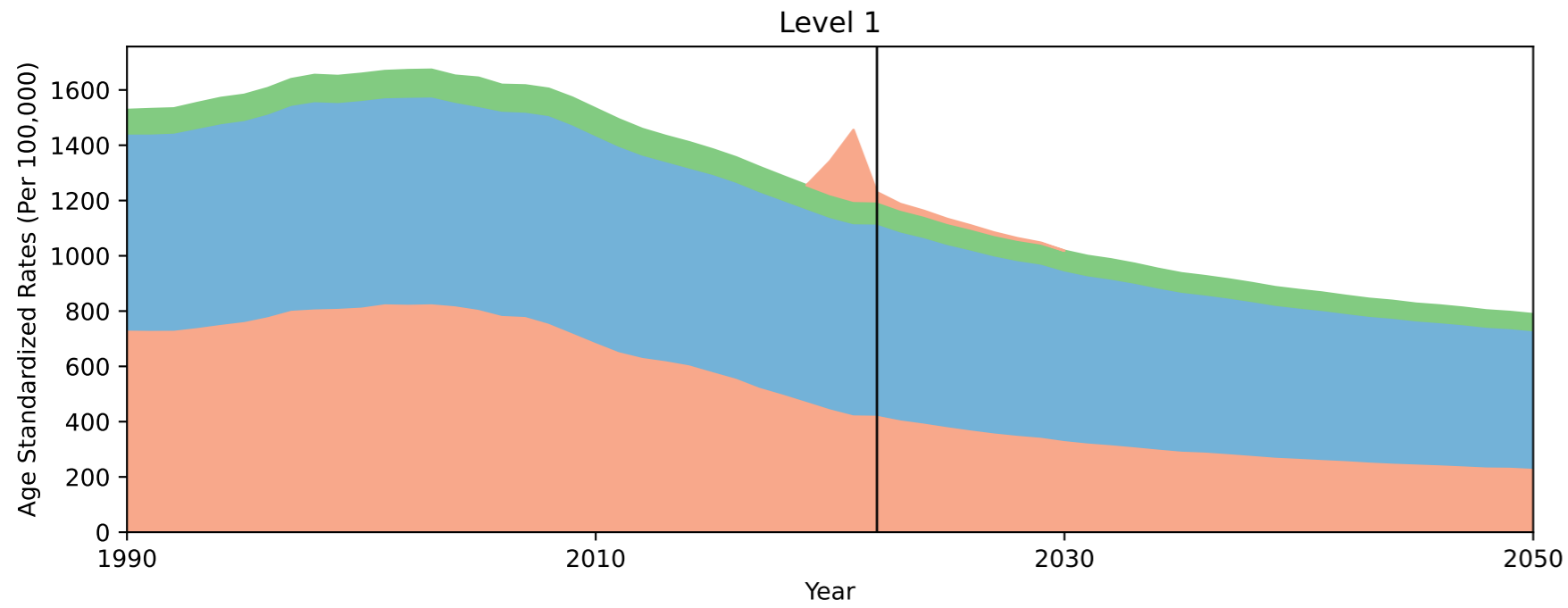


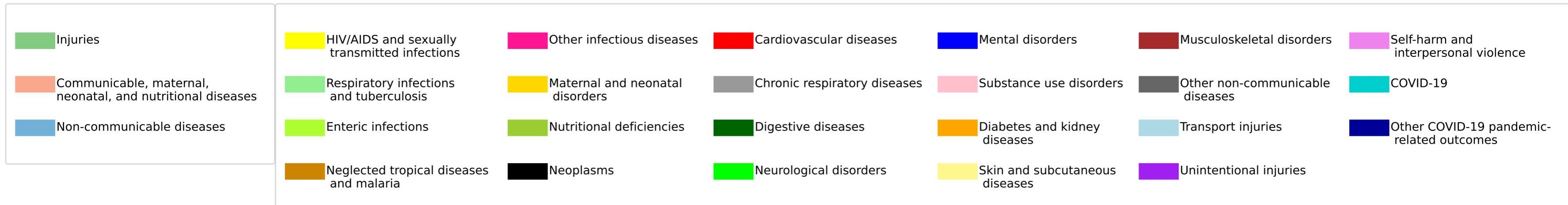
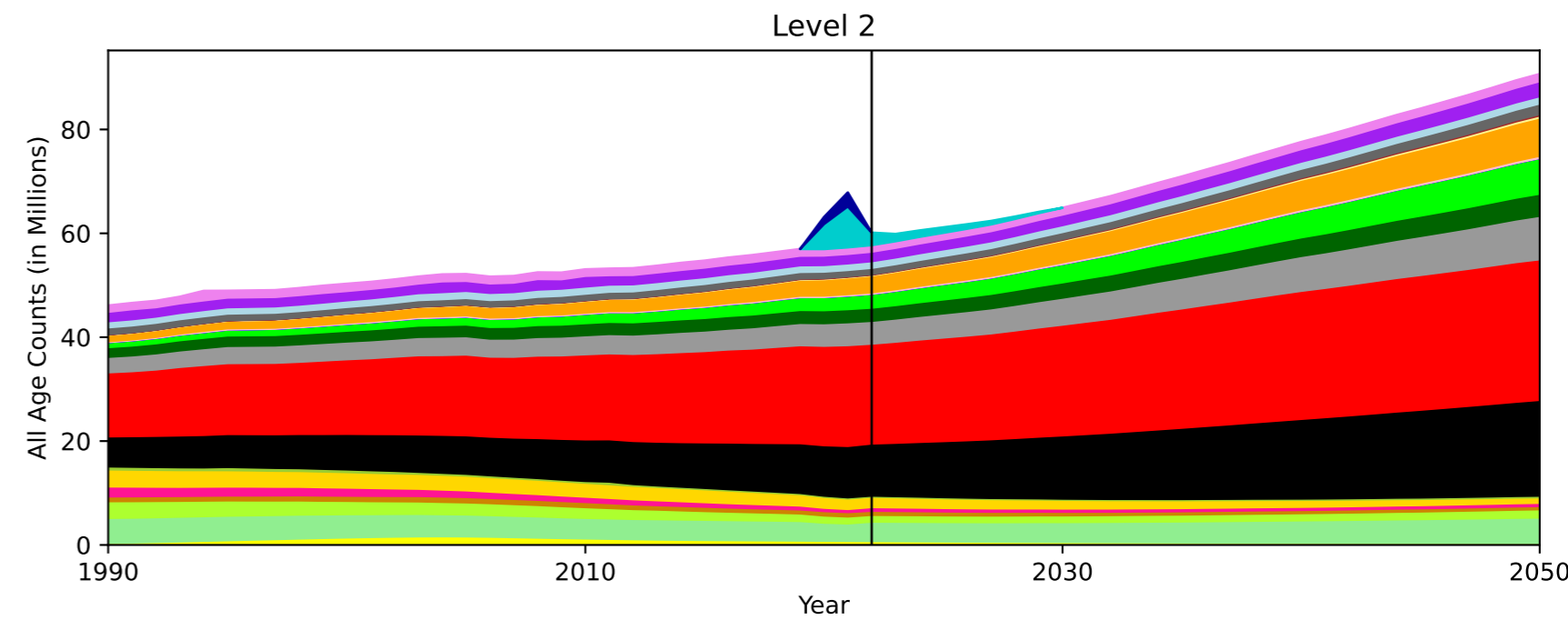
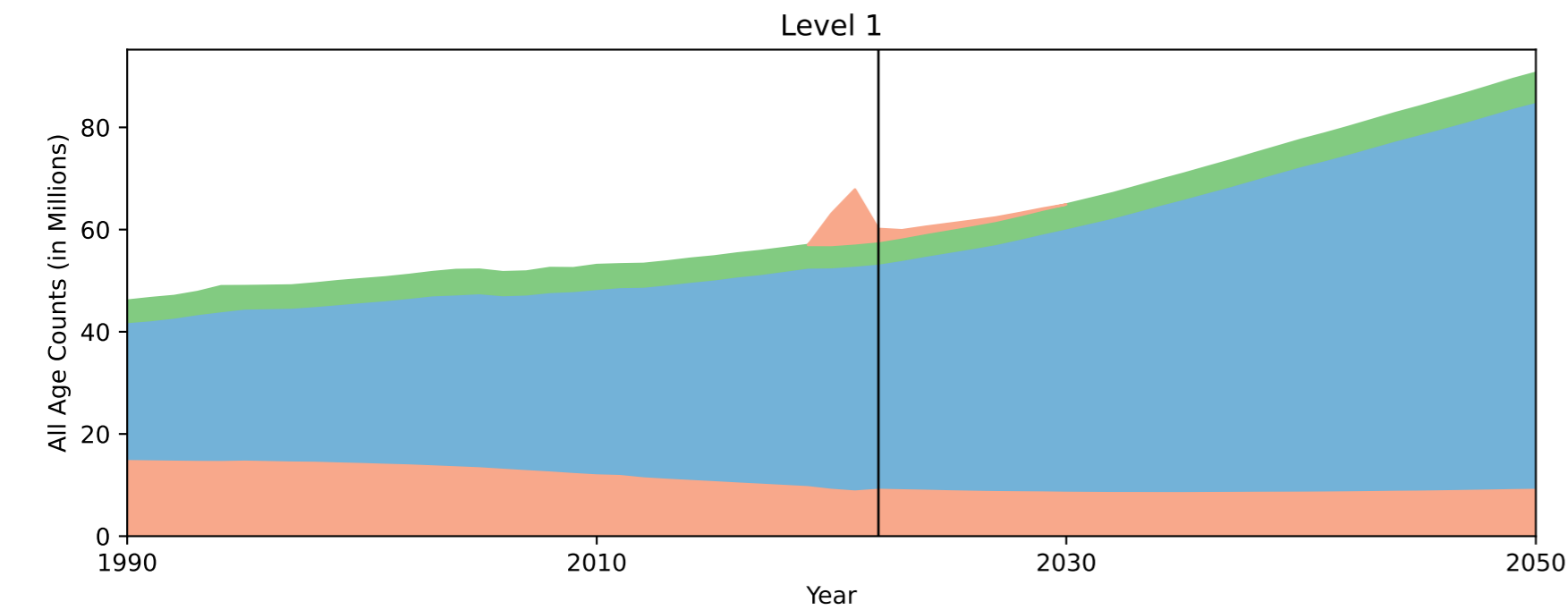
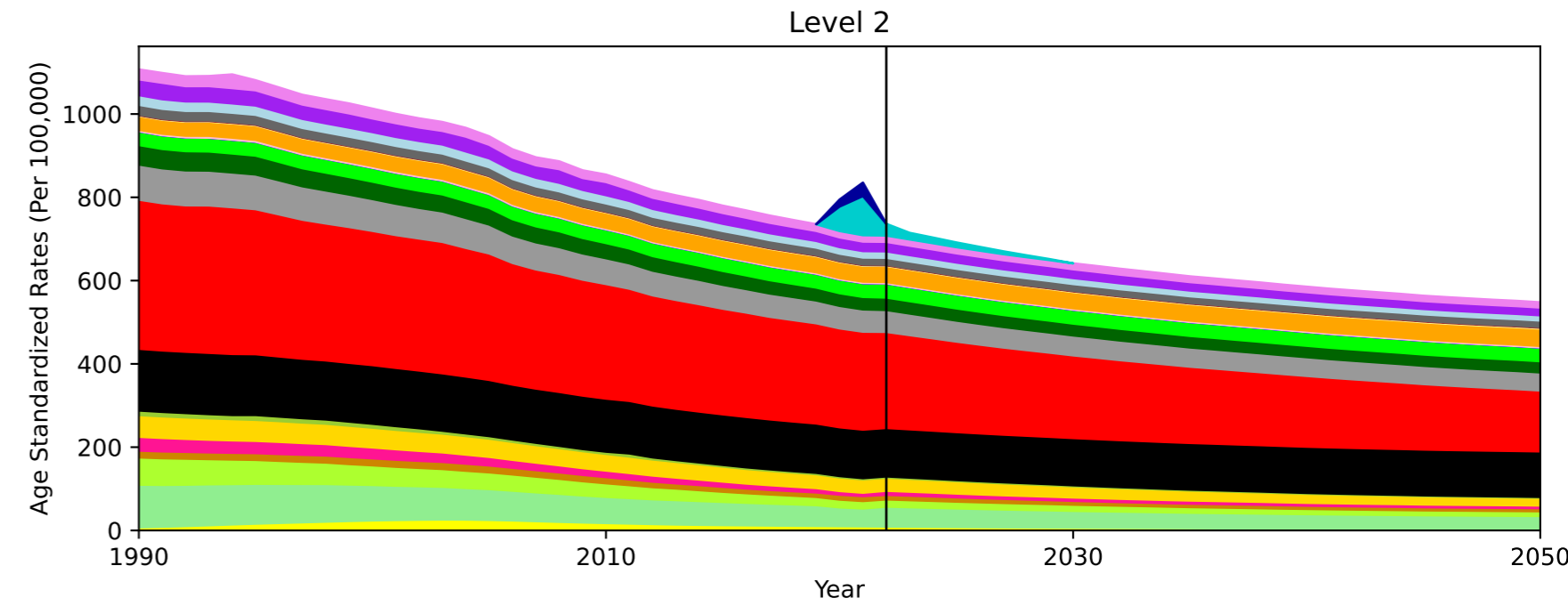
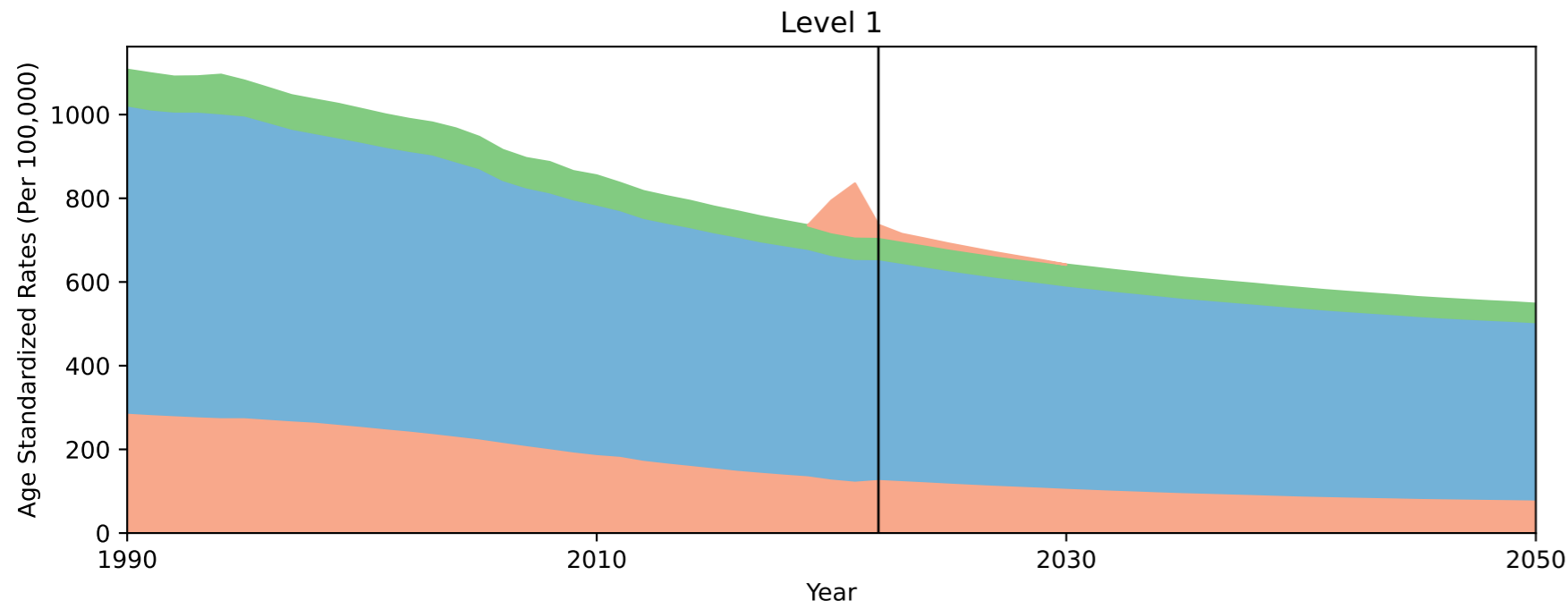
# Sierra Leone

Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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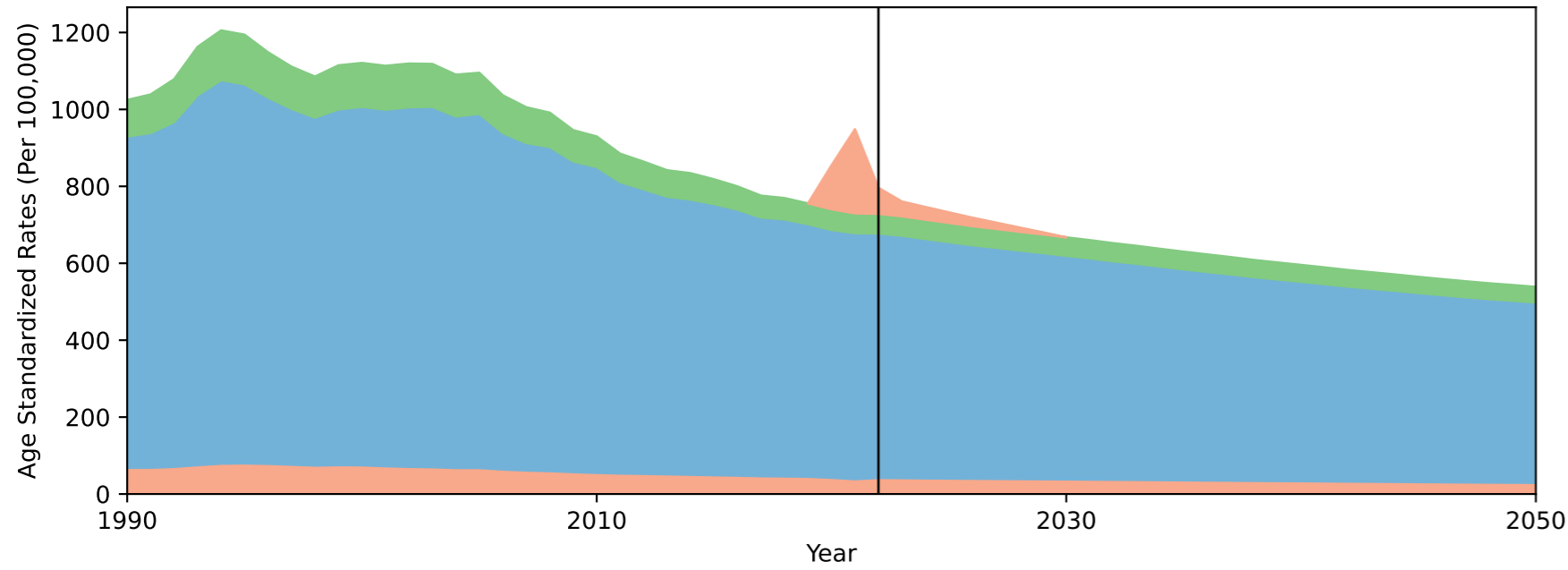




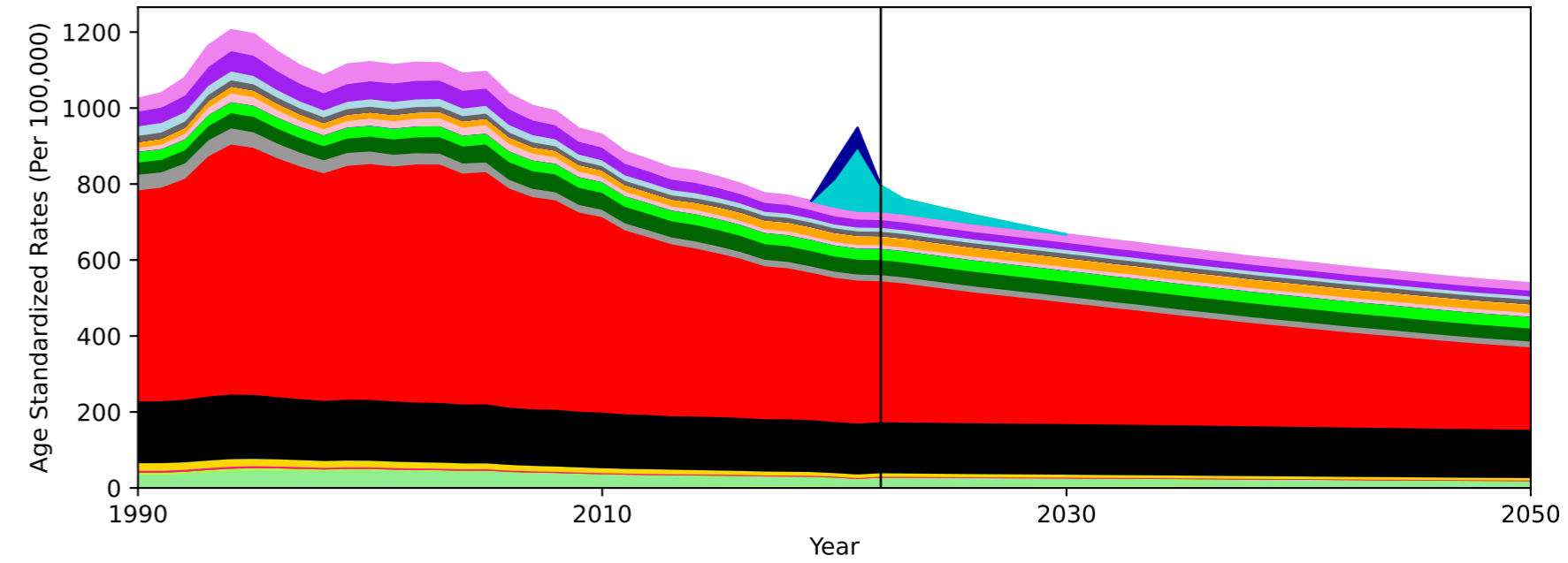


# Central Europe, Eastern Europe, And Central Asia

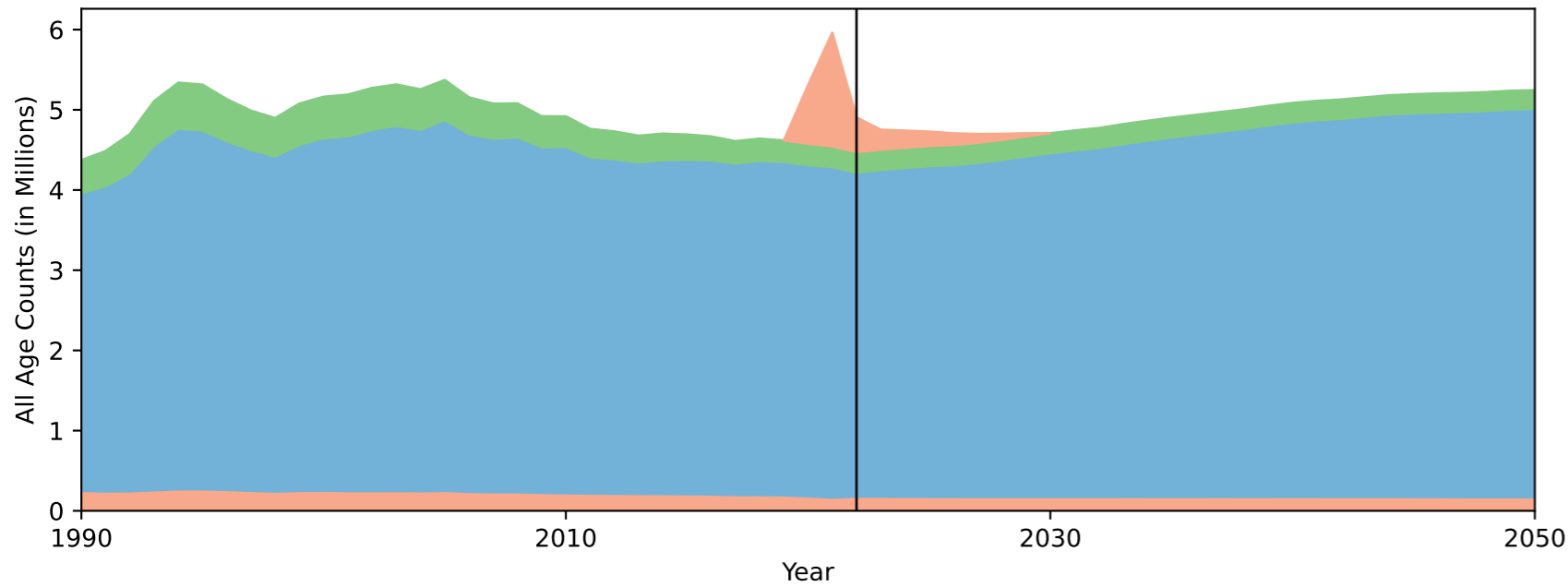
Level 1



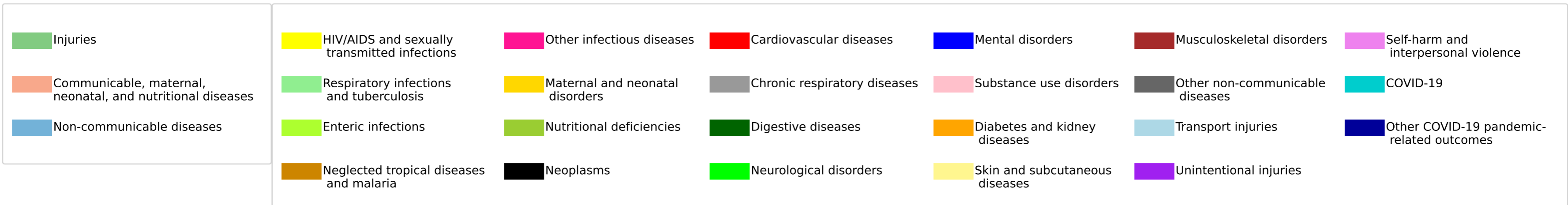
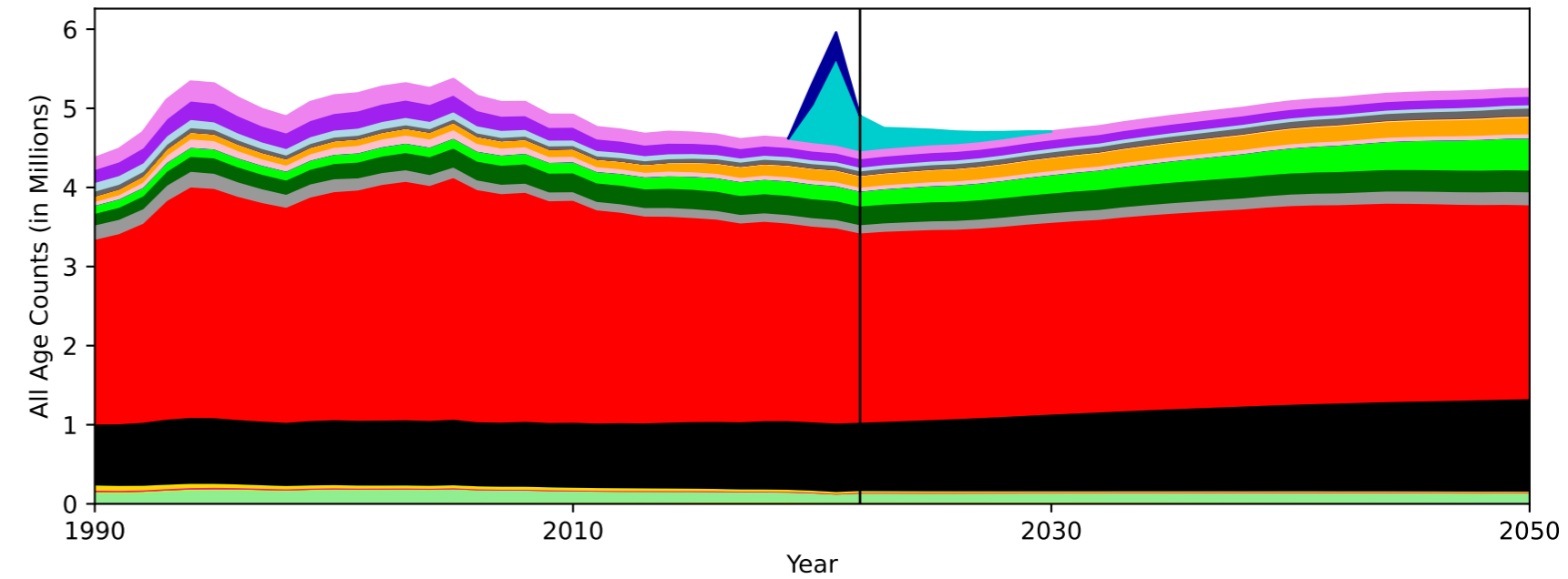
Level 2



Level 1

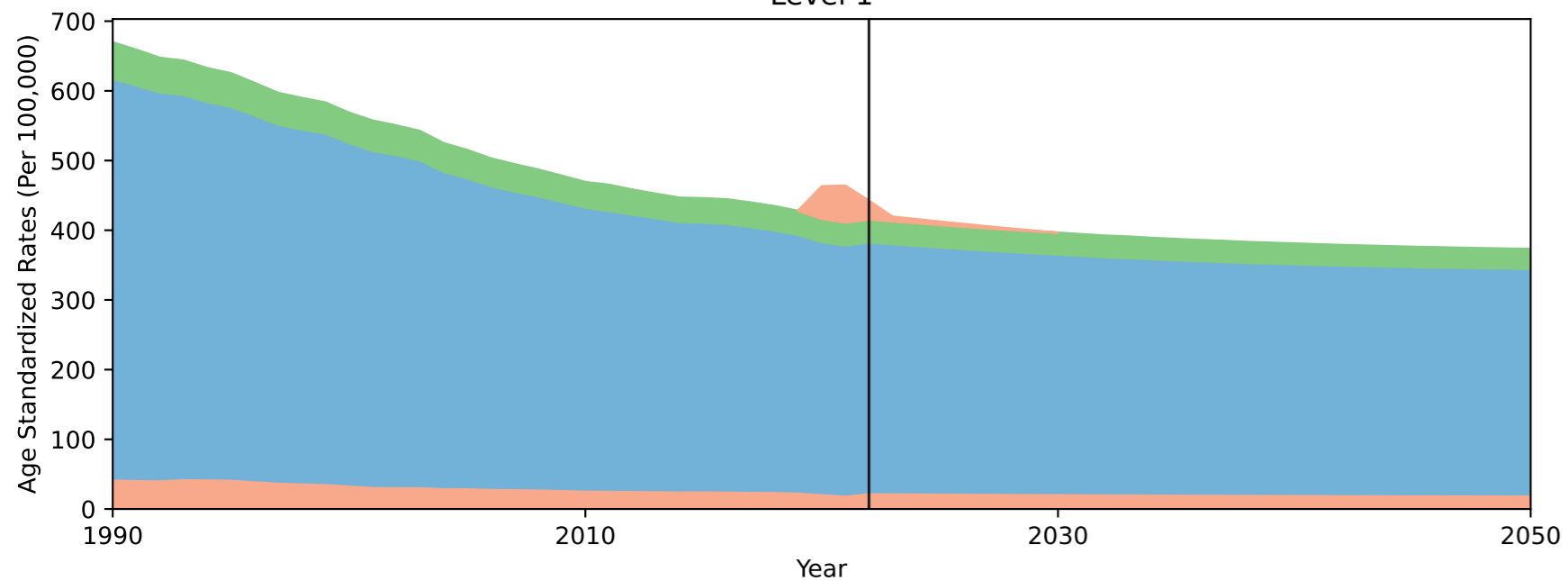


Level 2

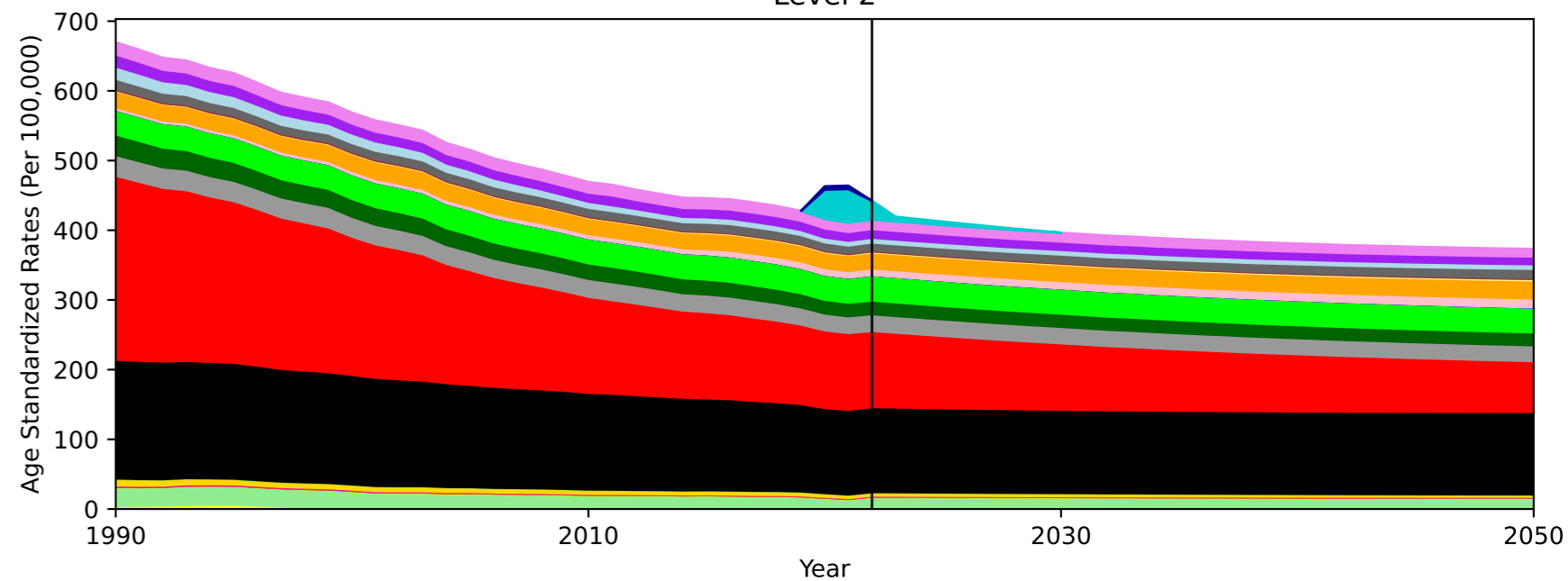


# High Income

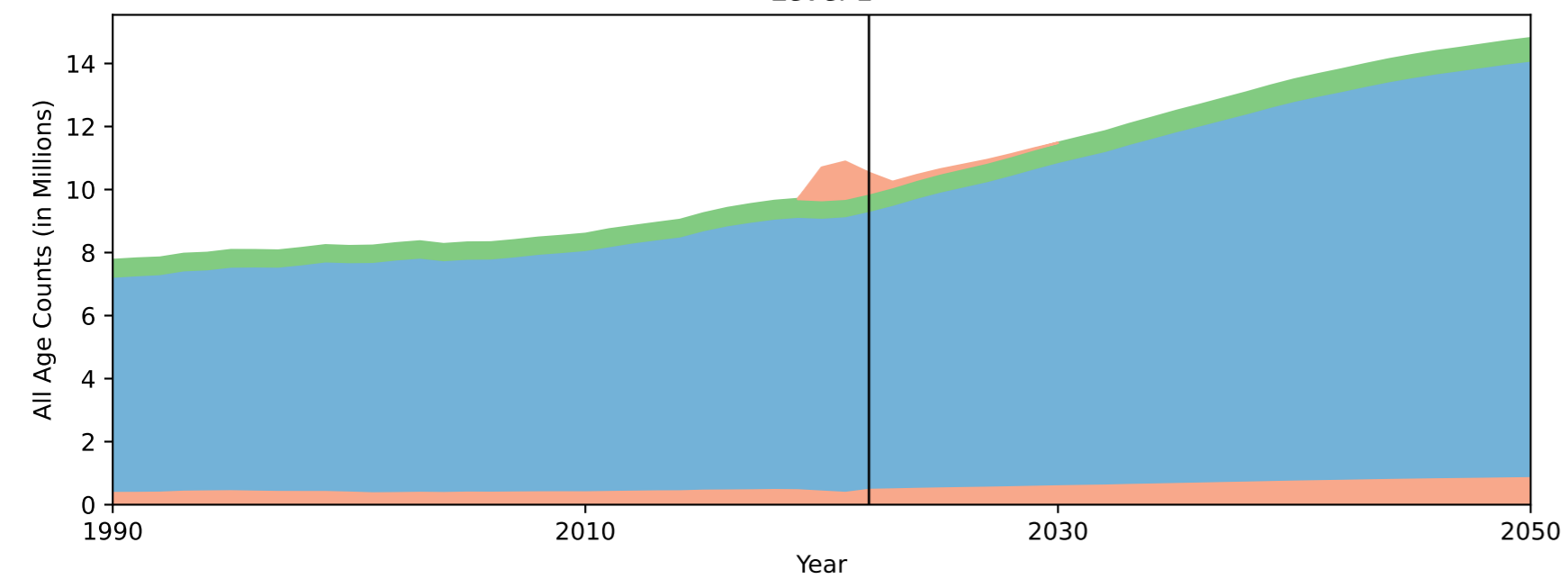
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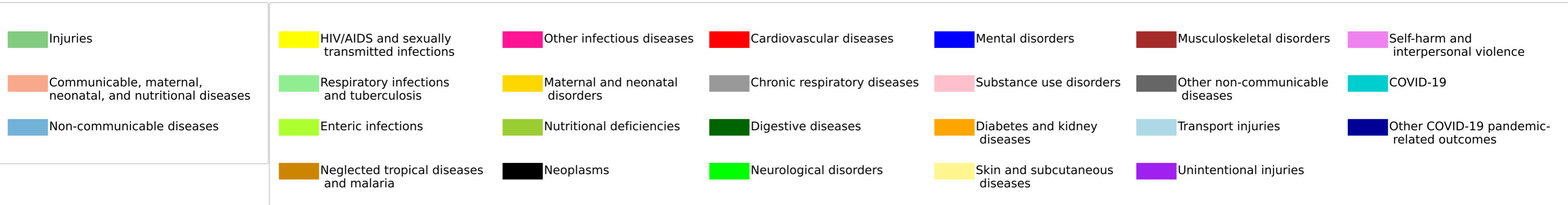
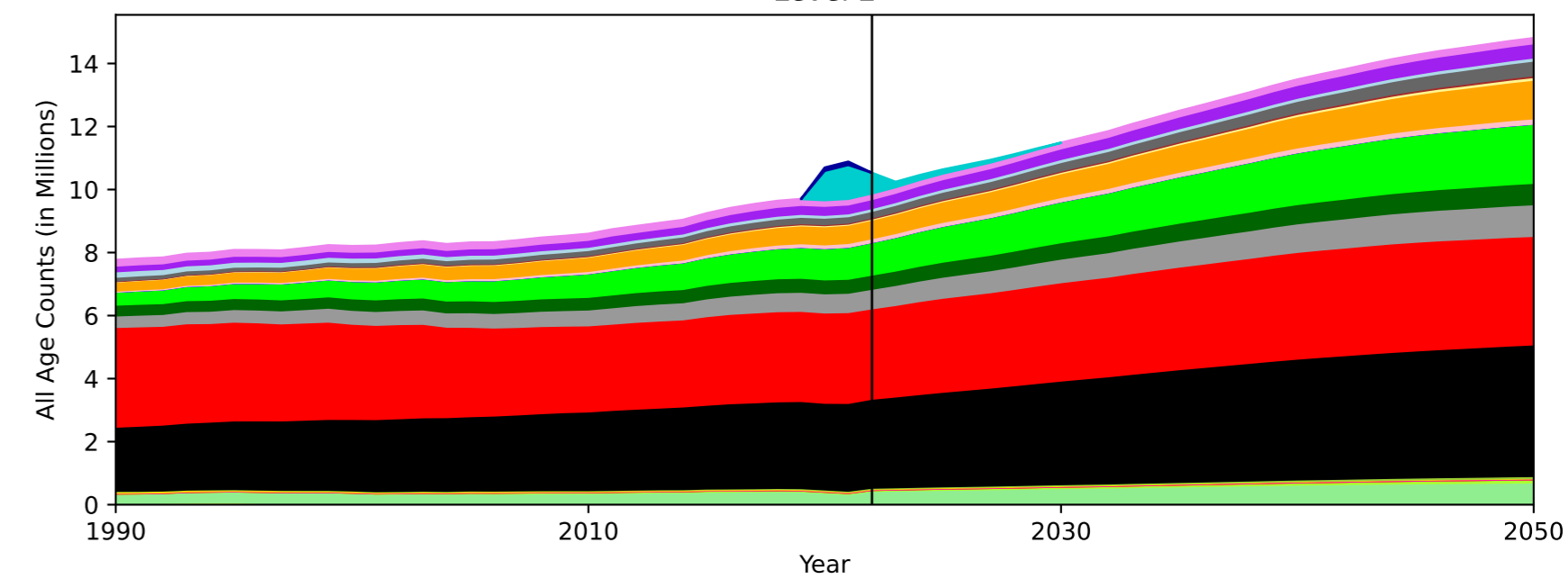
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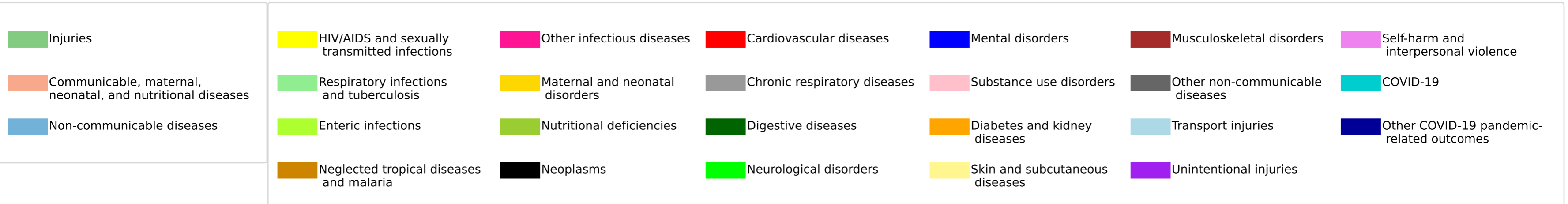
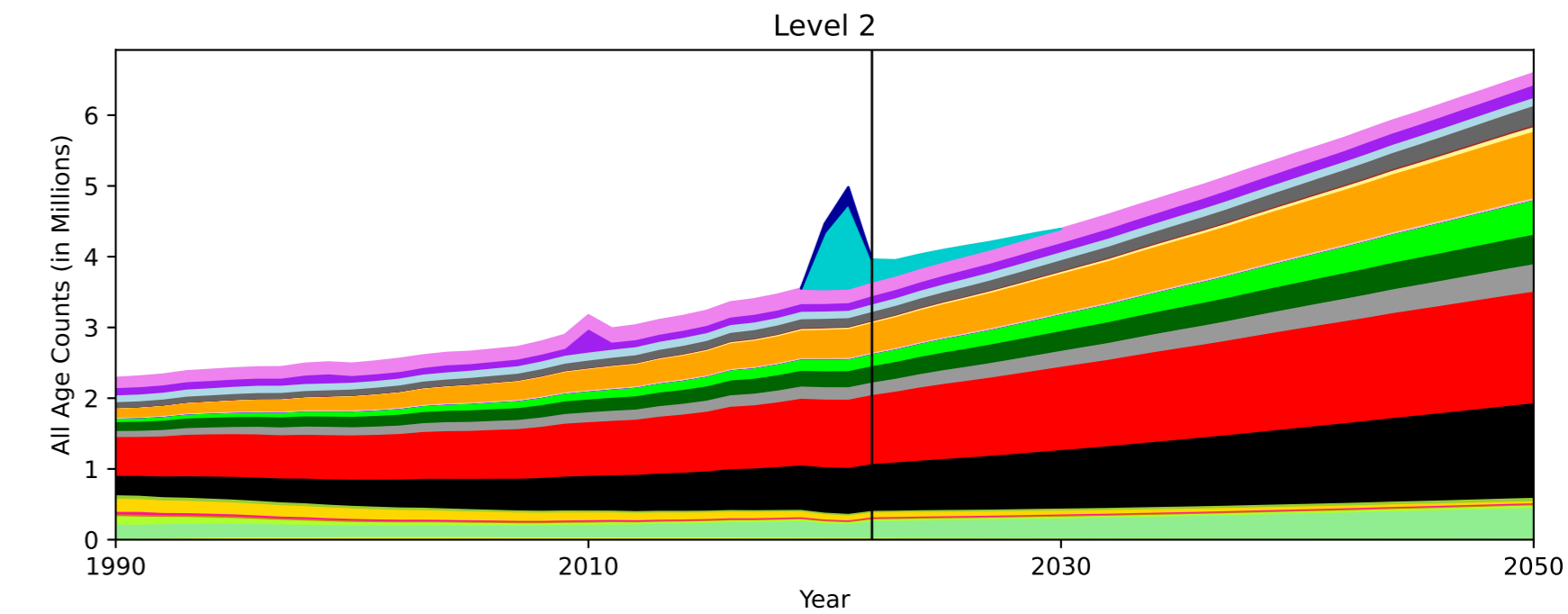
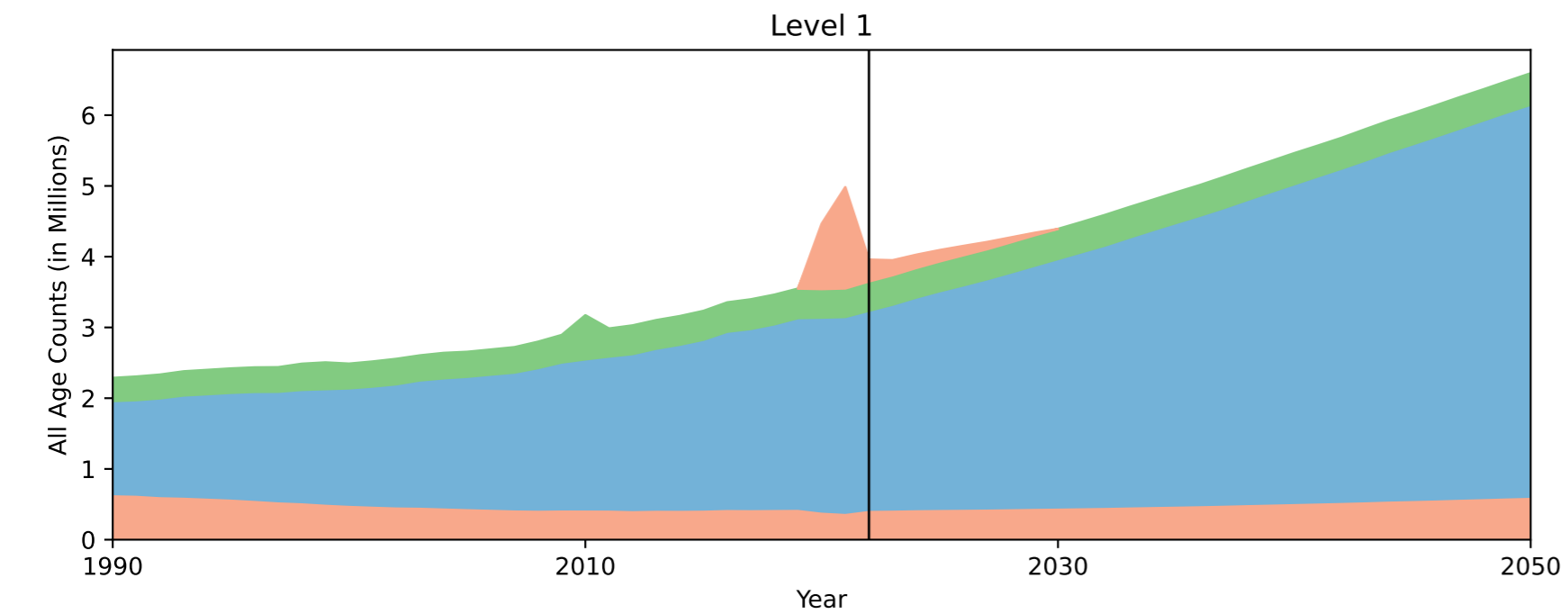
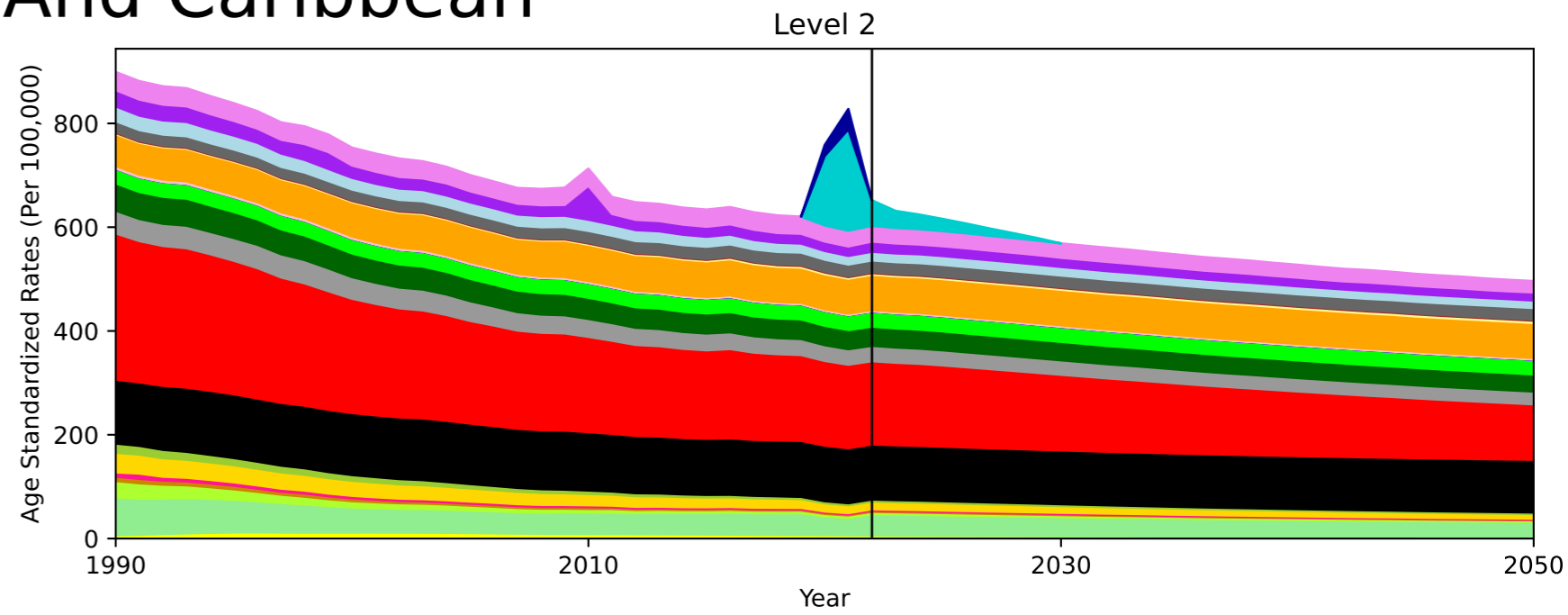
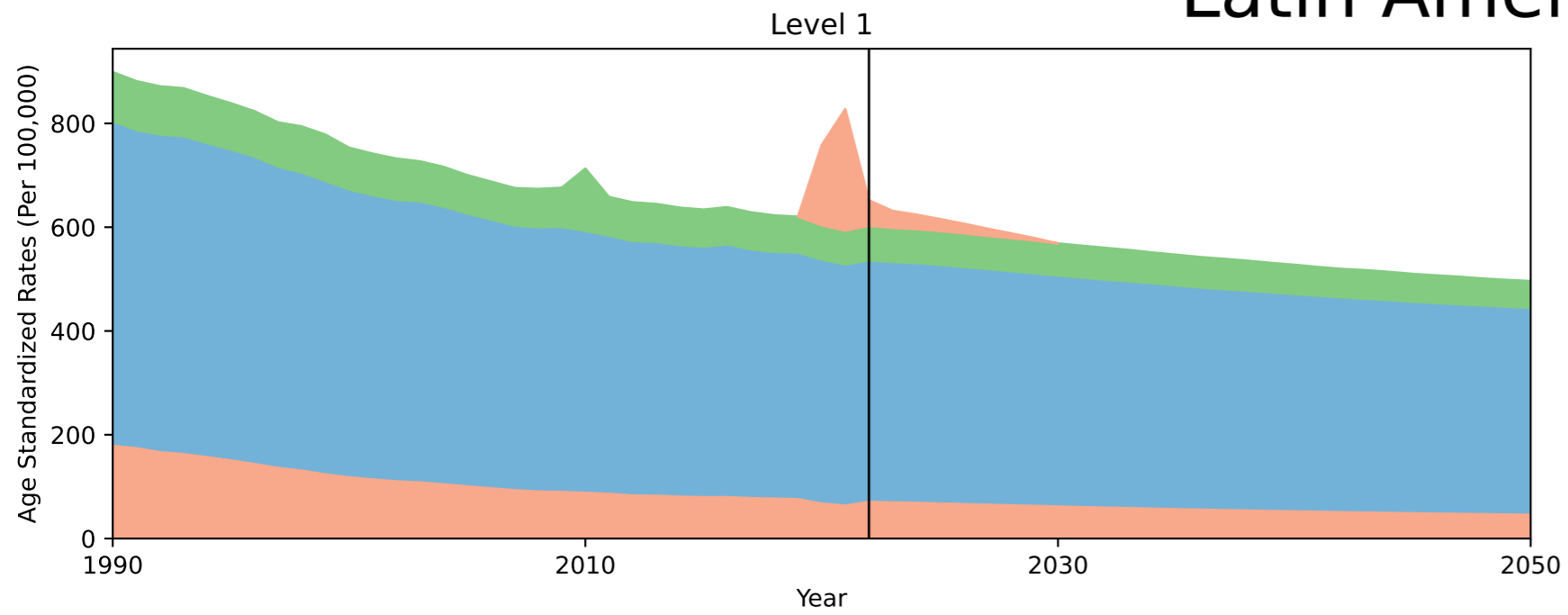
Level 1



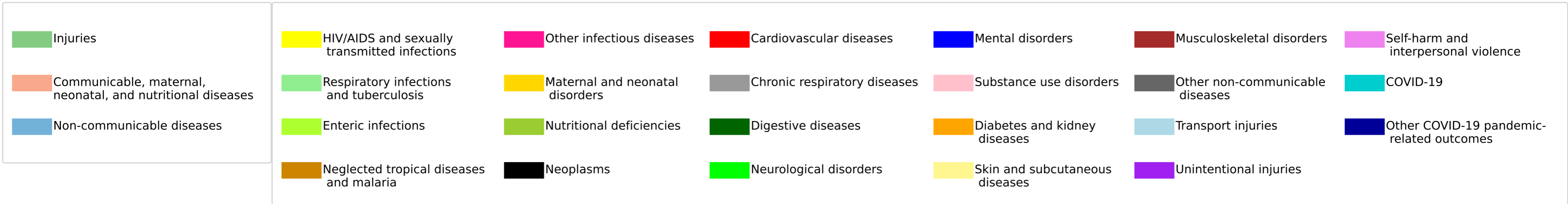
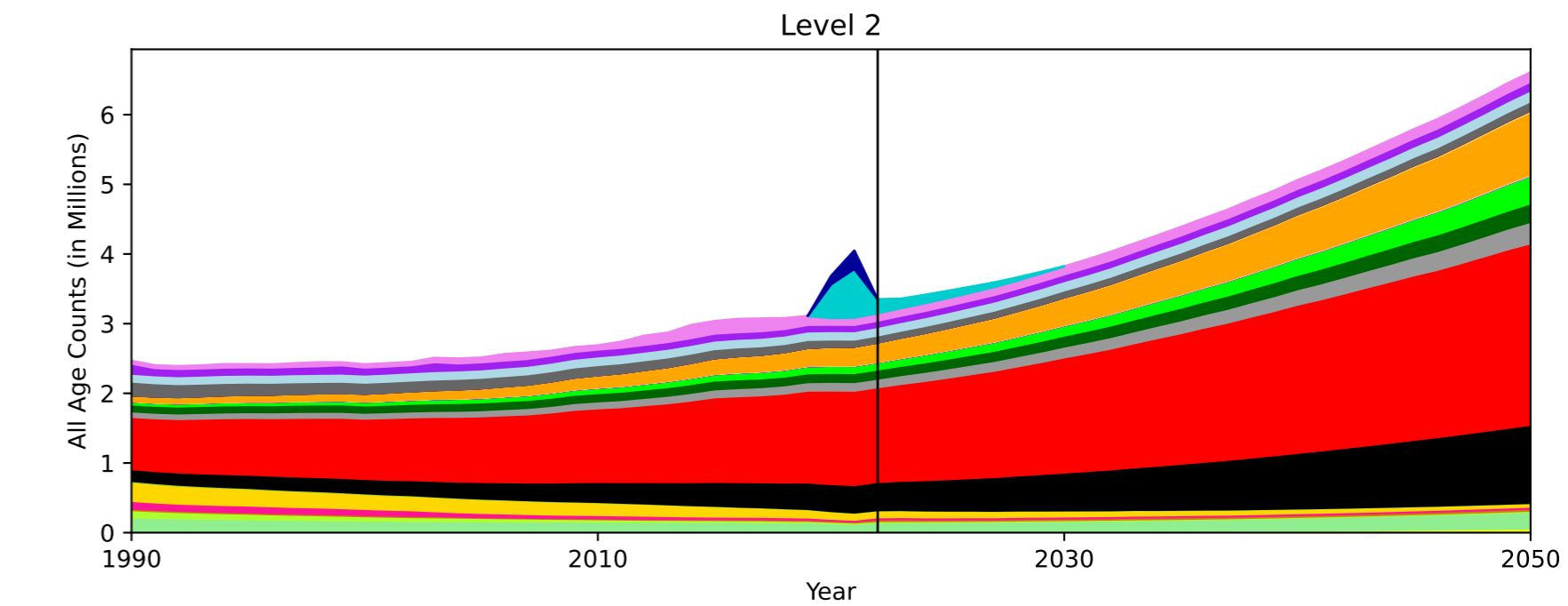
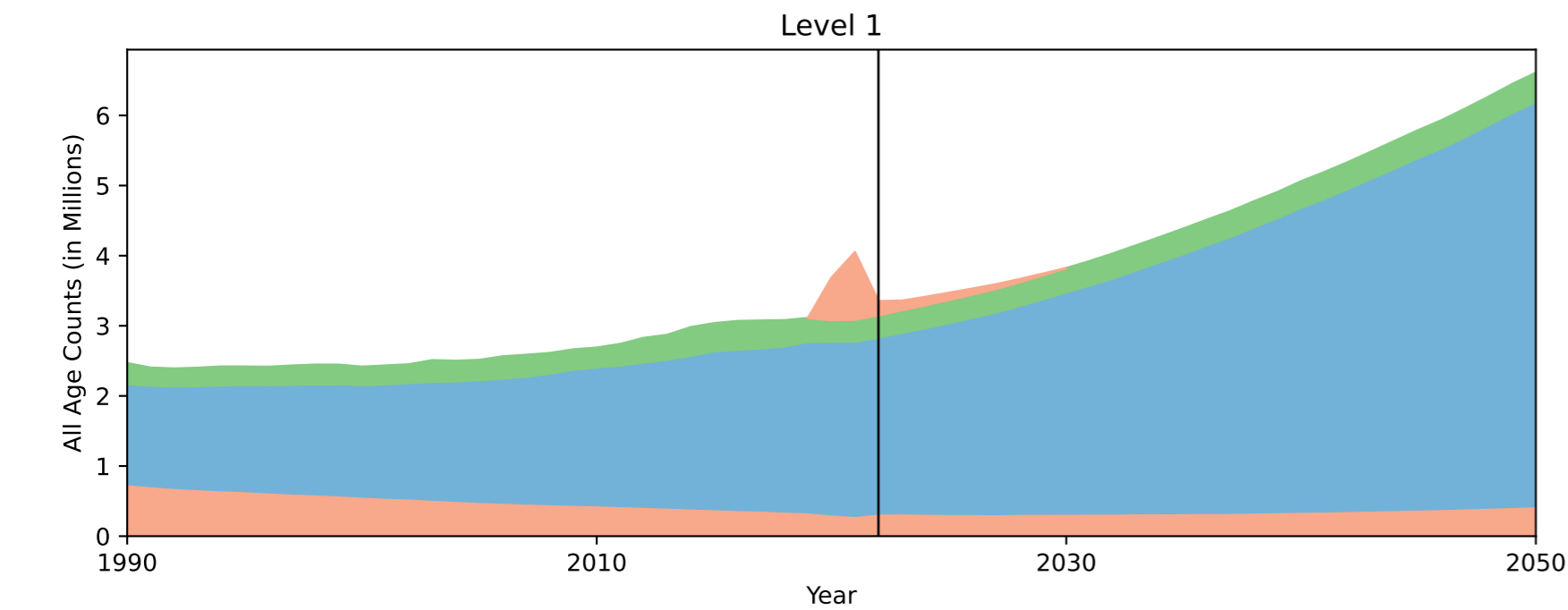
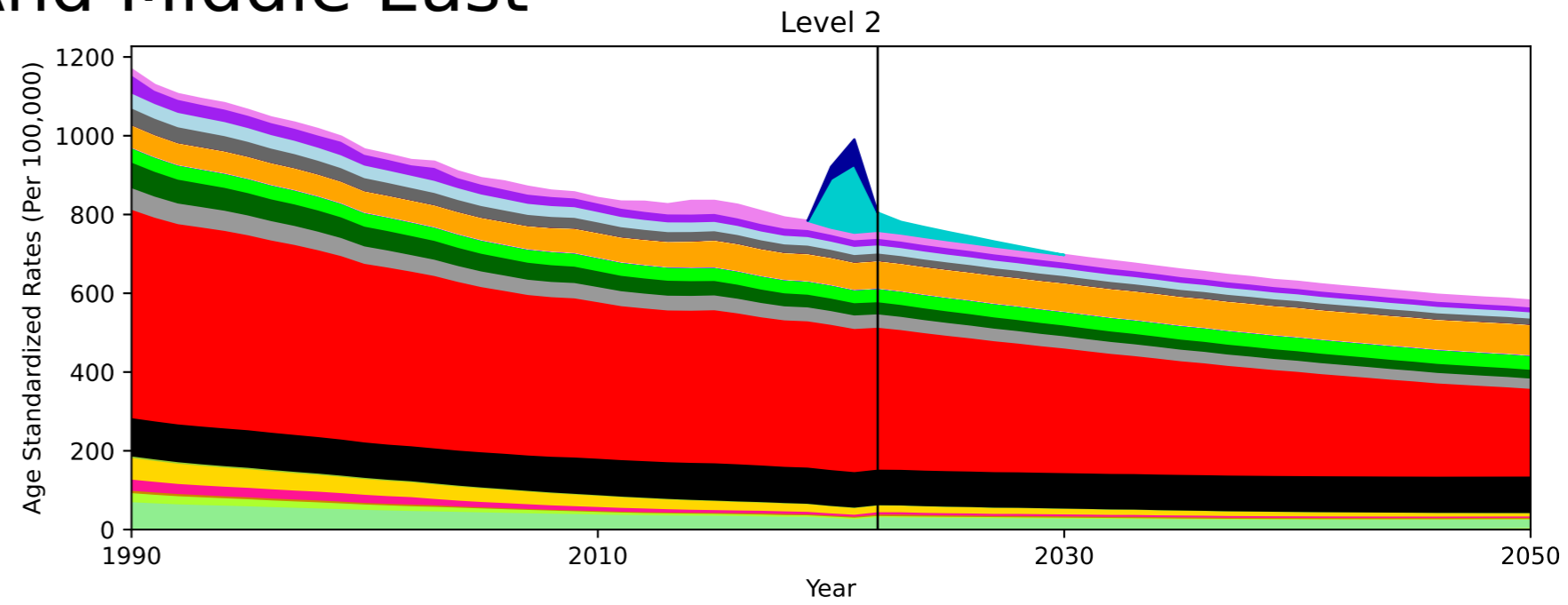
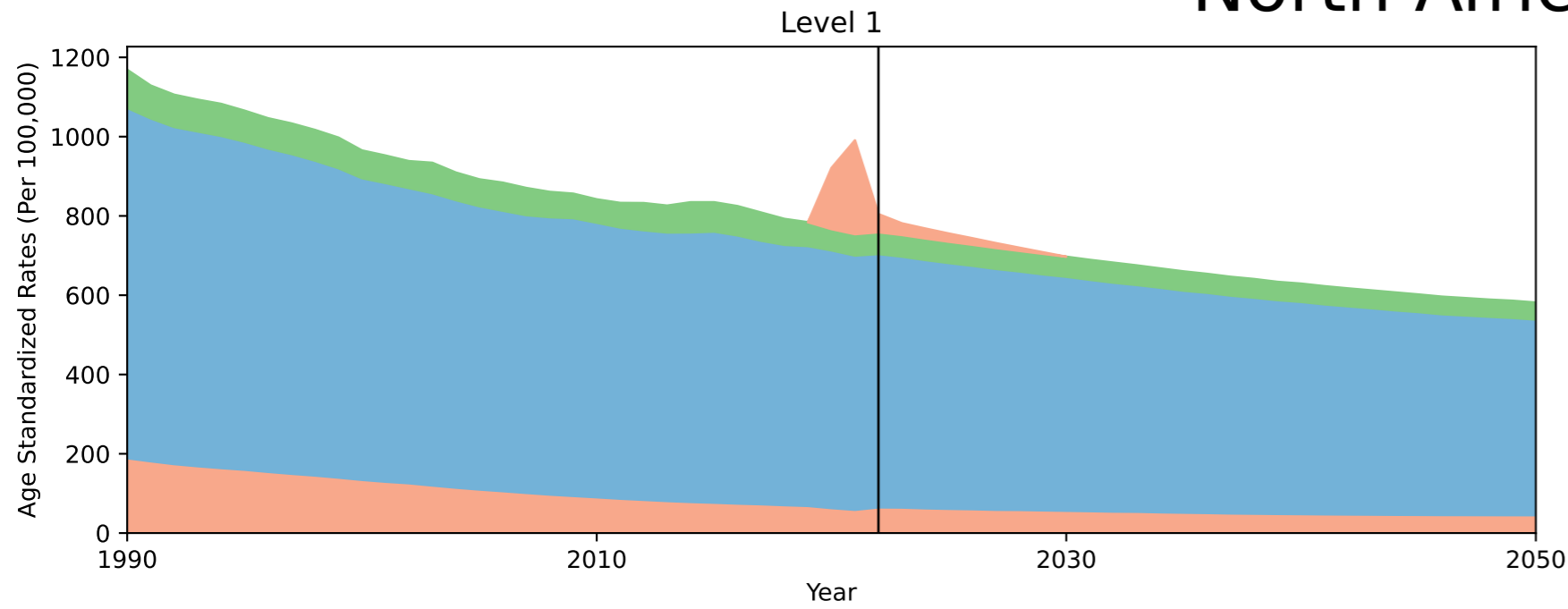
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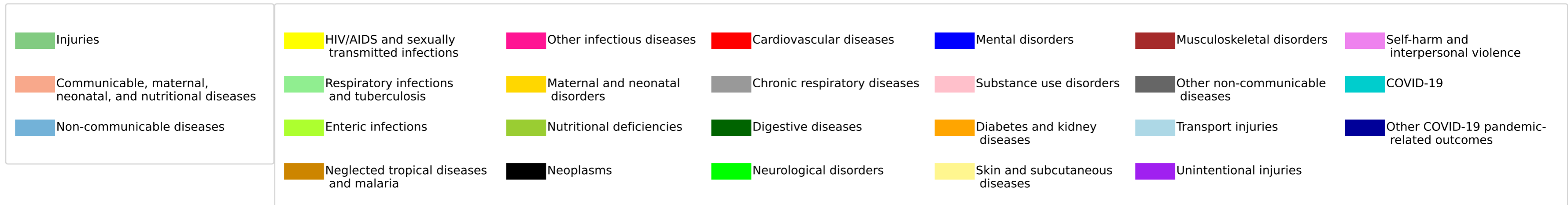
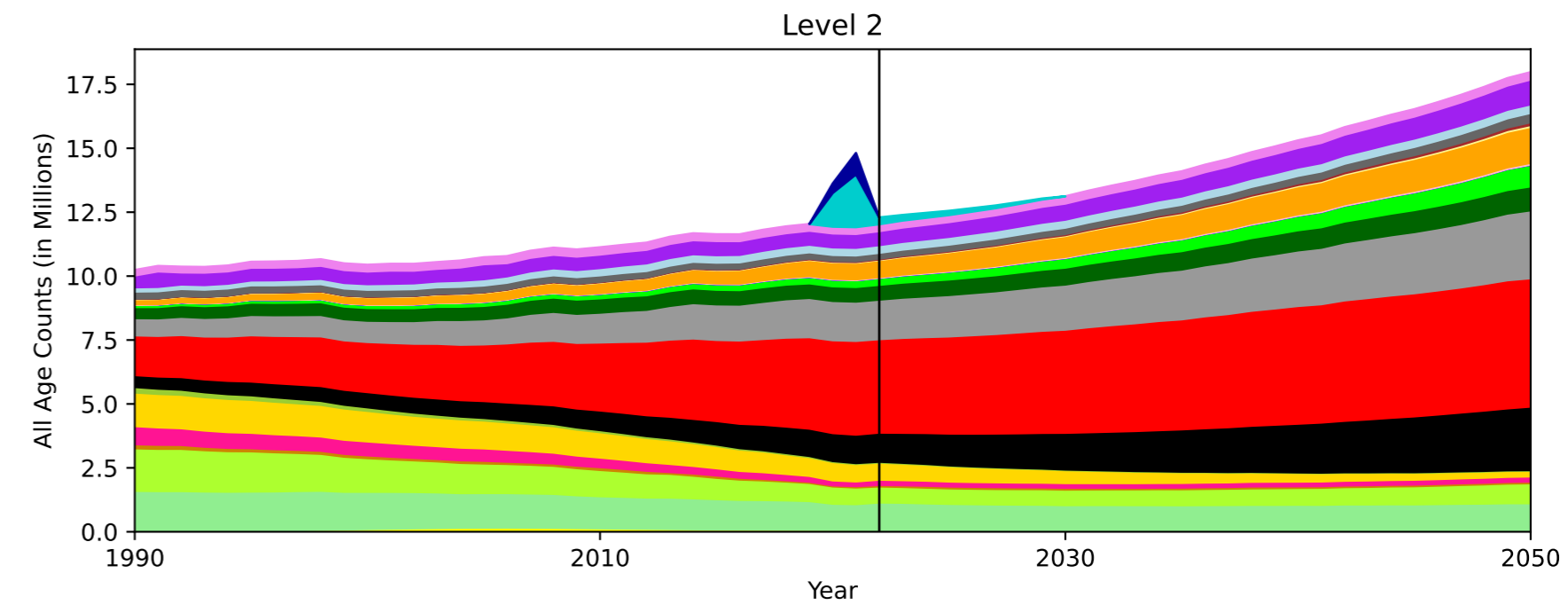
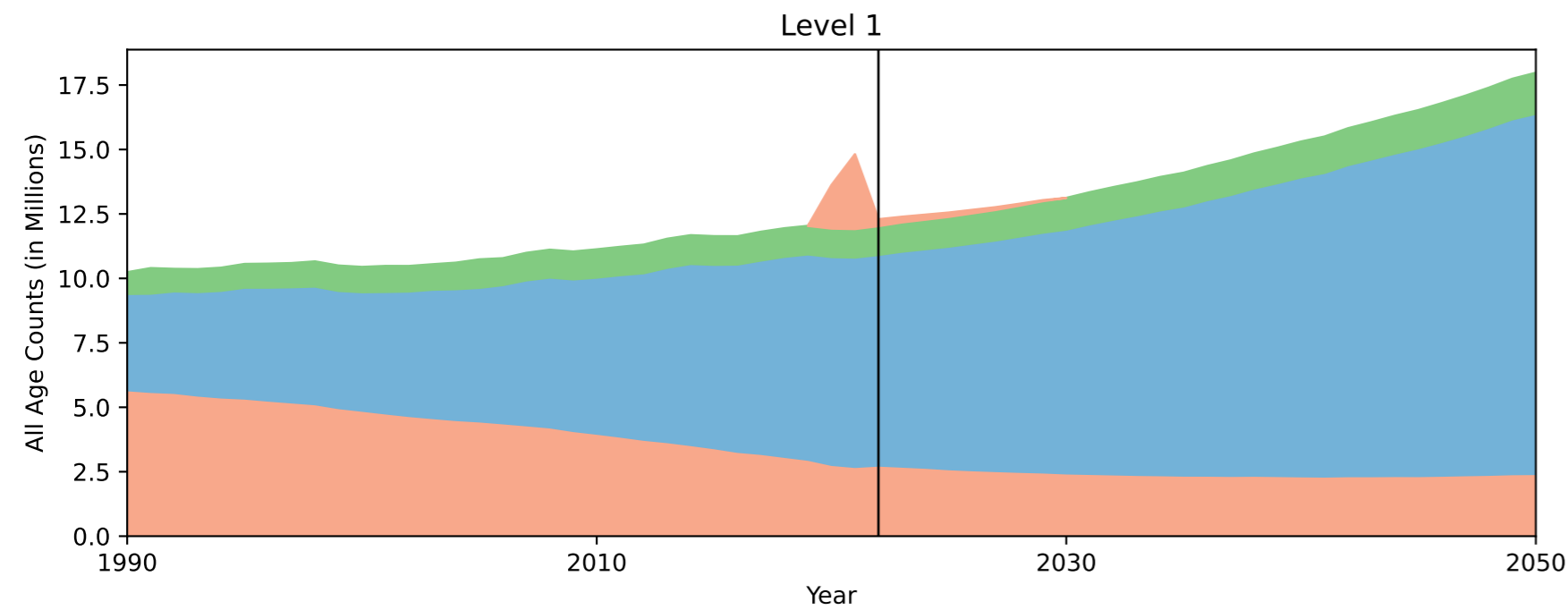
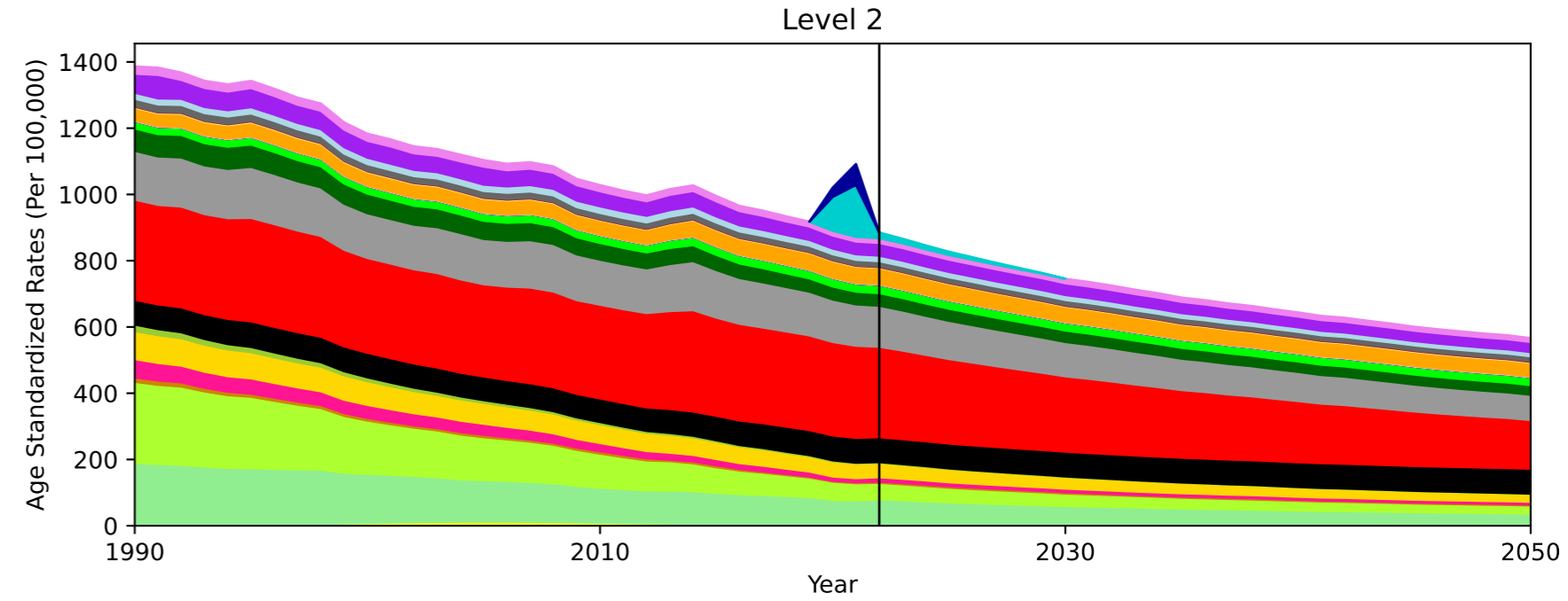
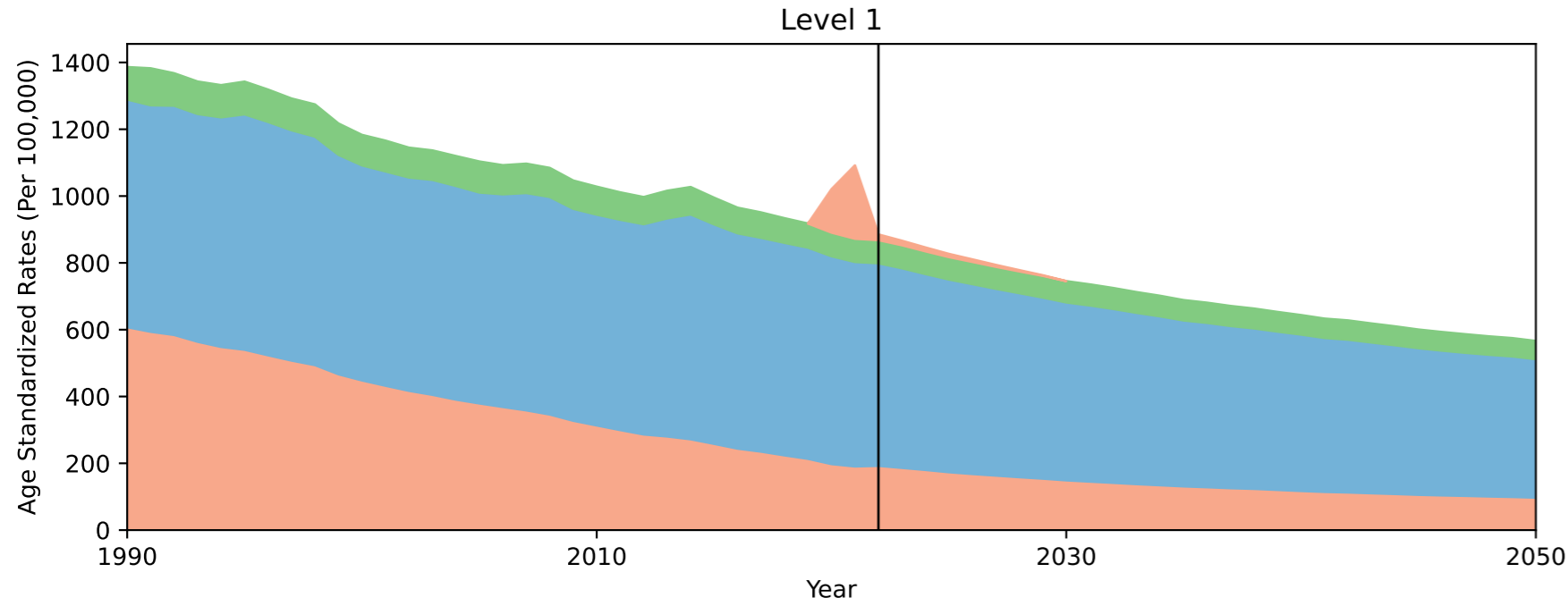
# Latin America And Caribbean



# North Africa And Middle East

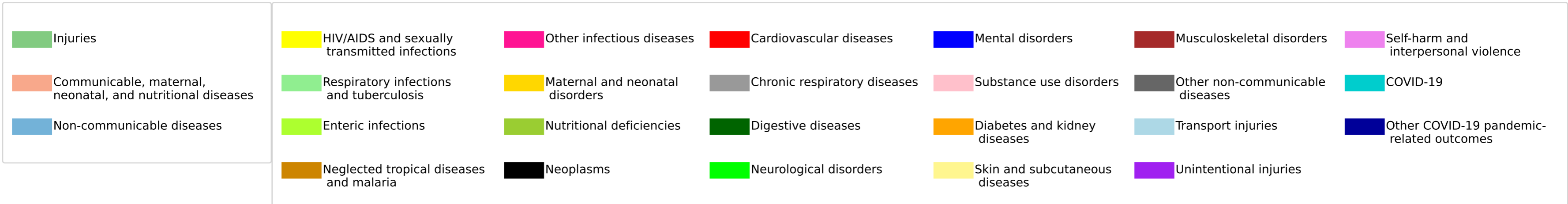
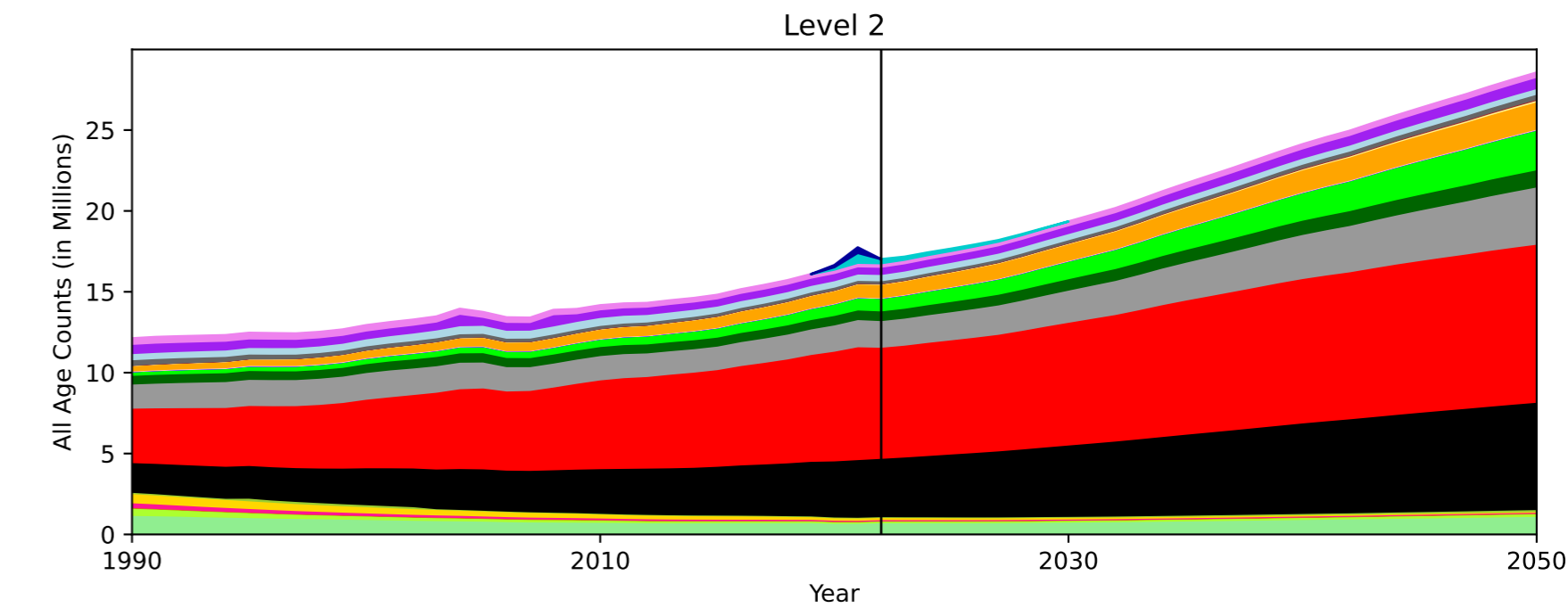
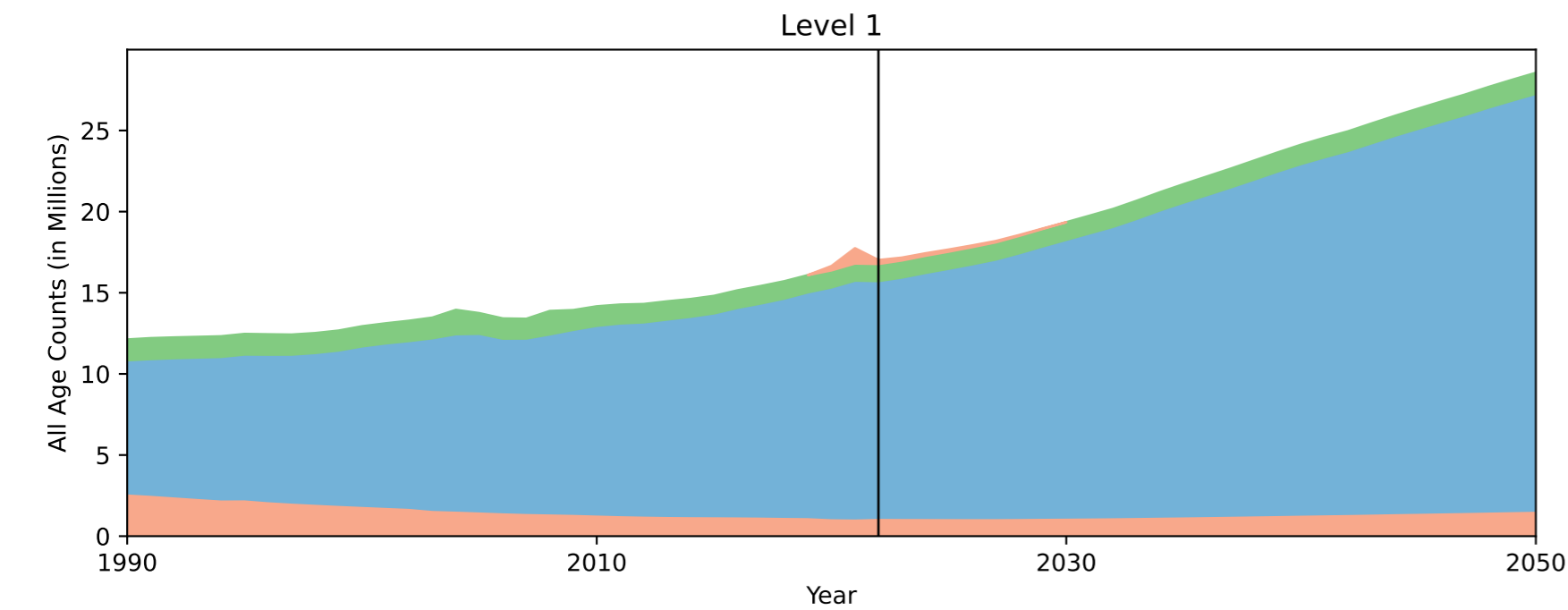
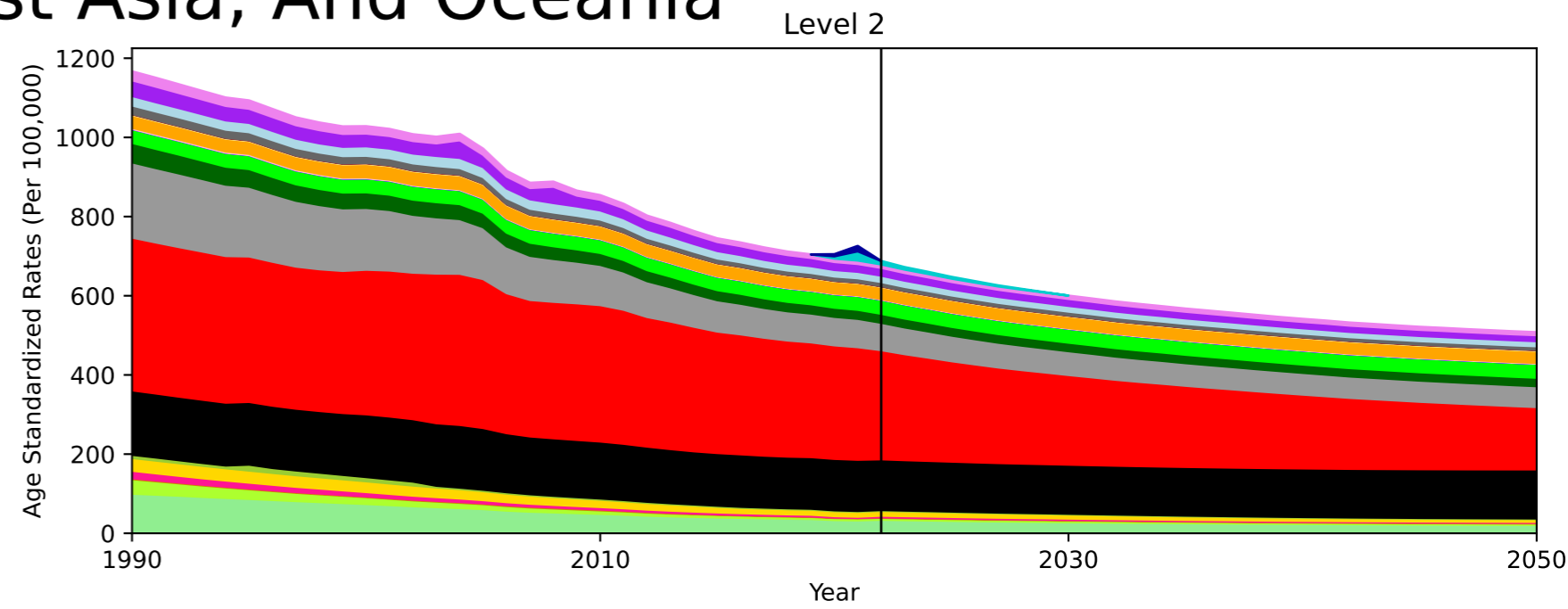
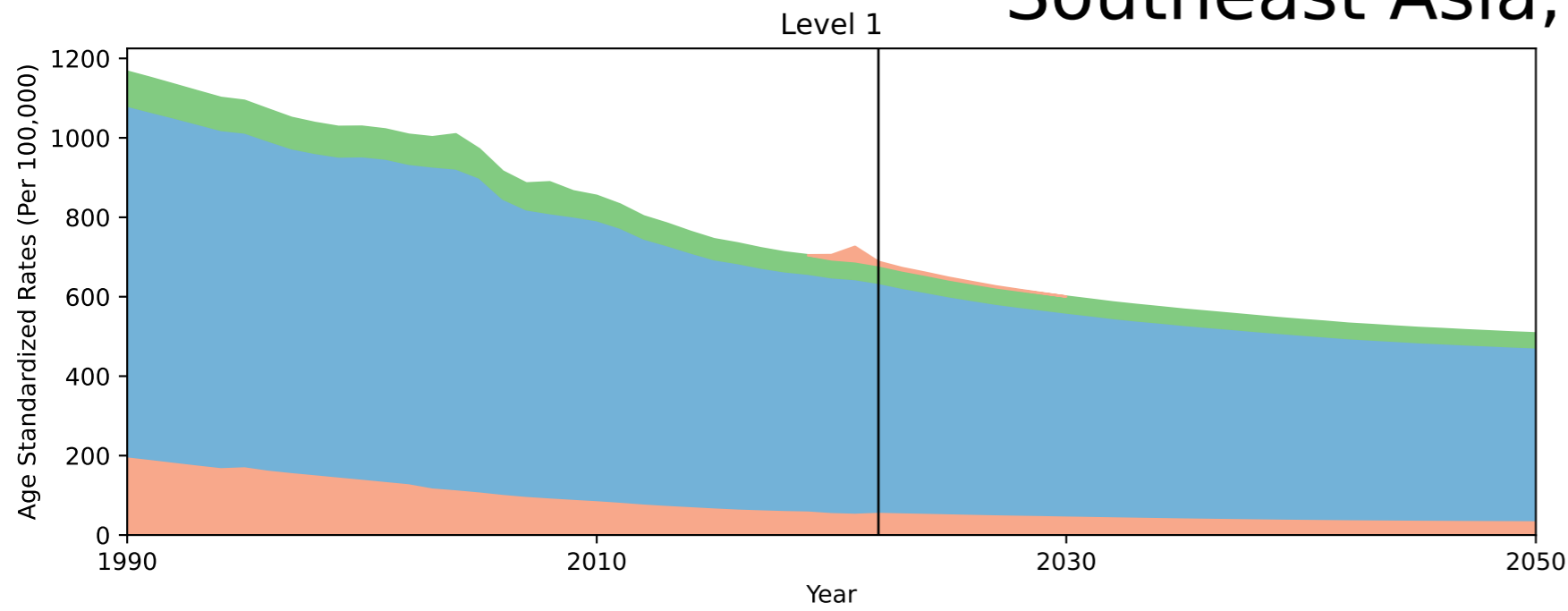


# South Asia





# Southeast Asia, East Asia, And Oceania

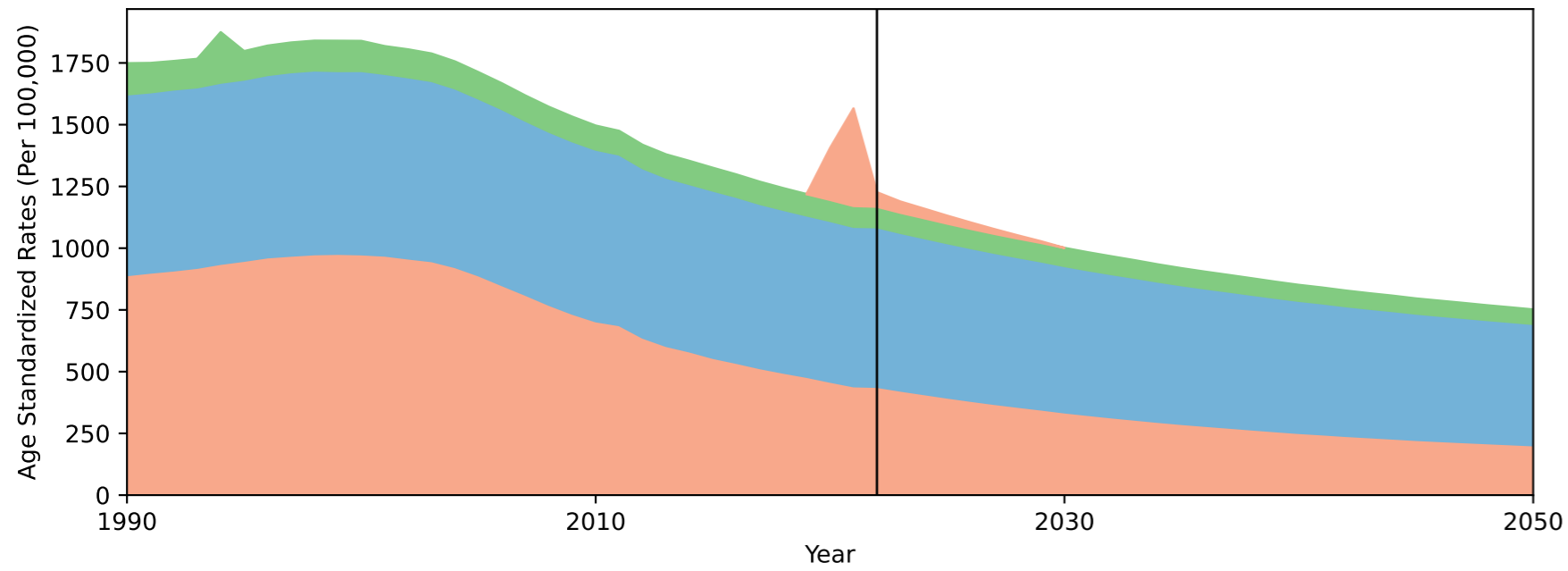


# Sub-Saharan Africa

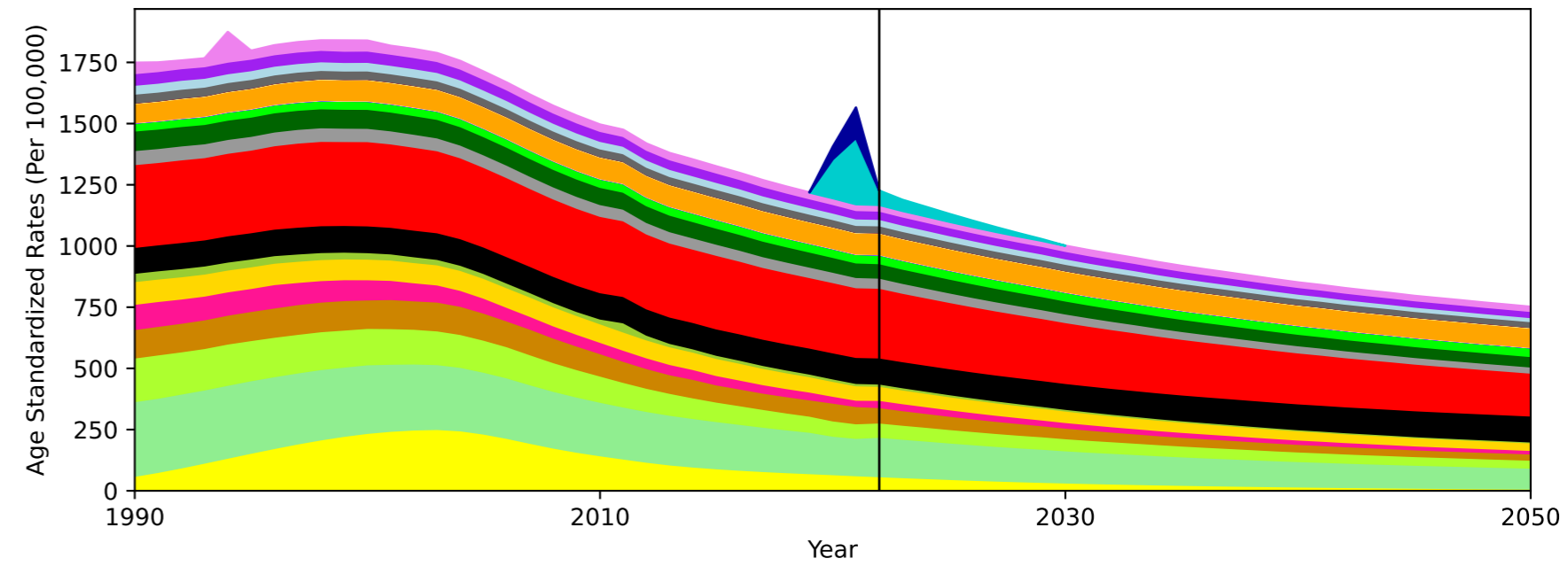
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

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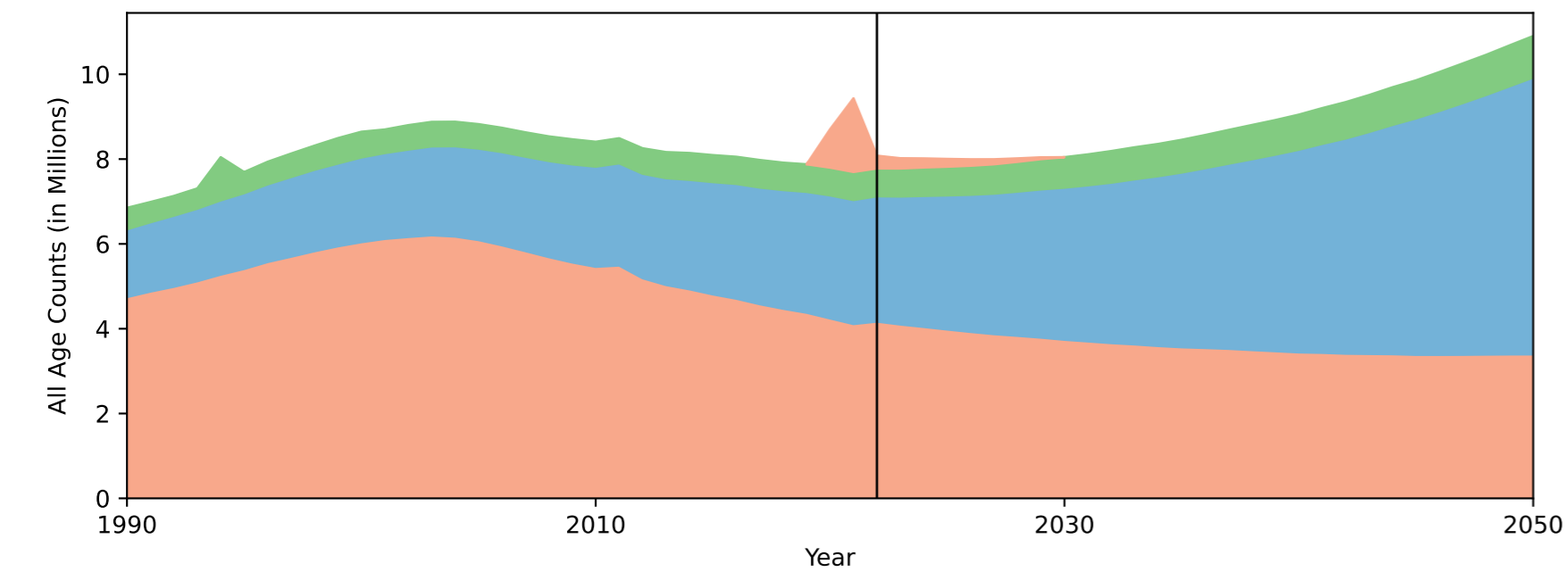
Level 1



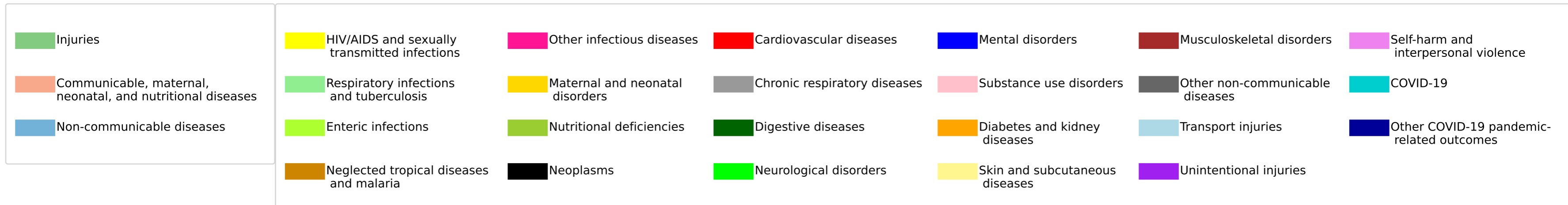
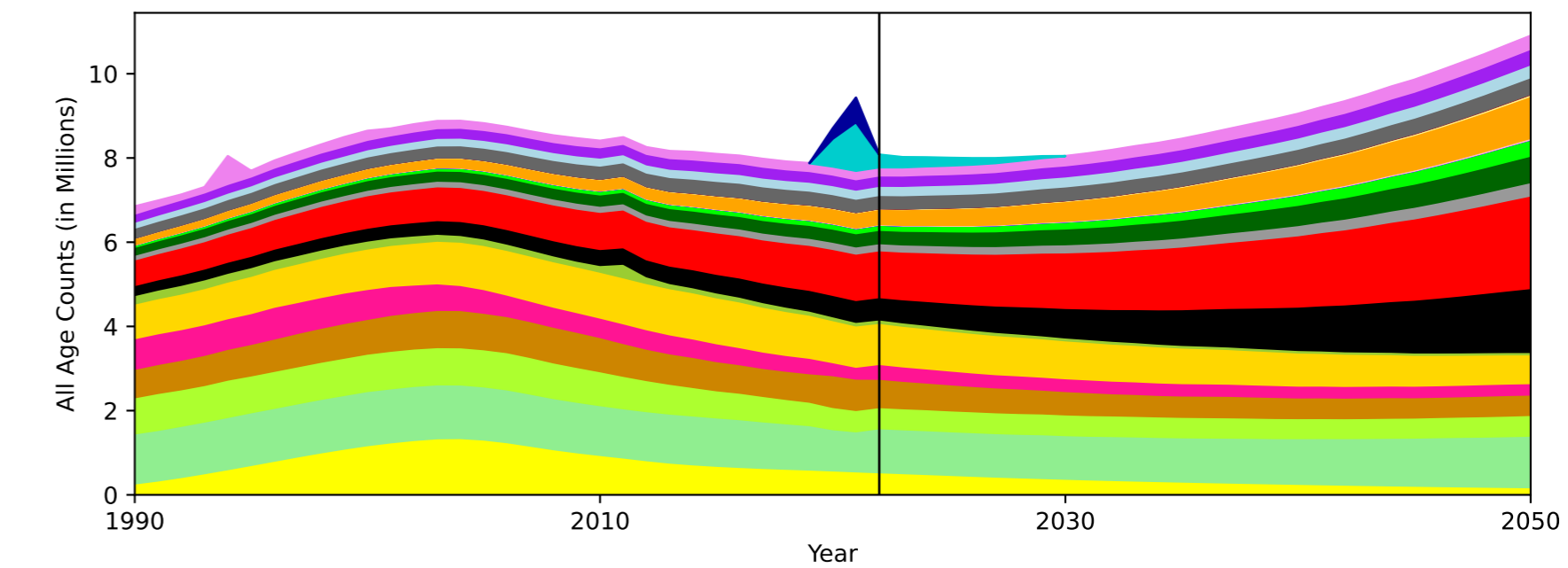
Level 2



Level 1



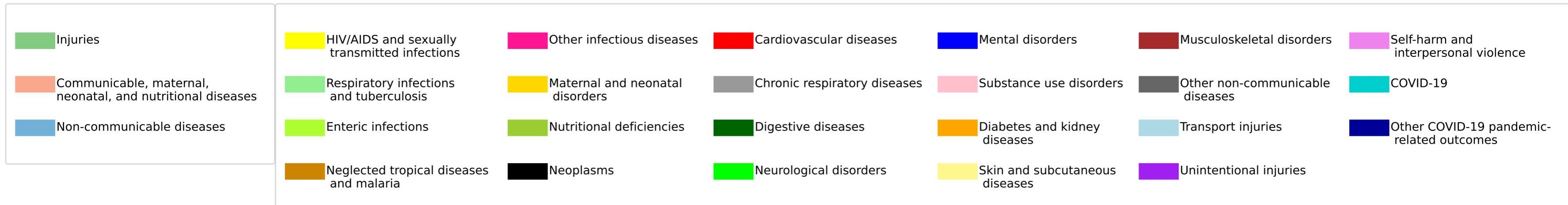
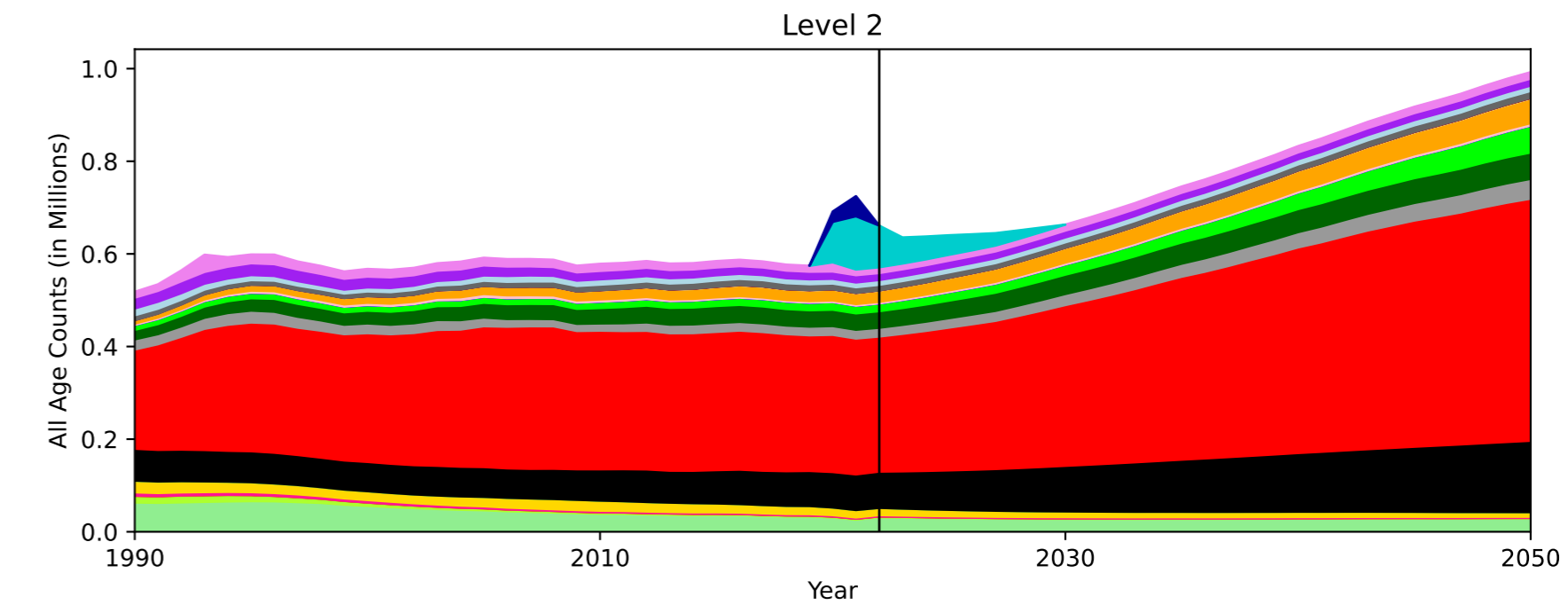
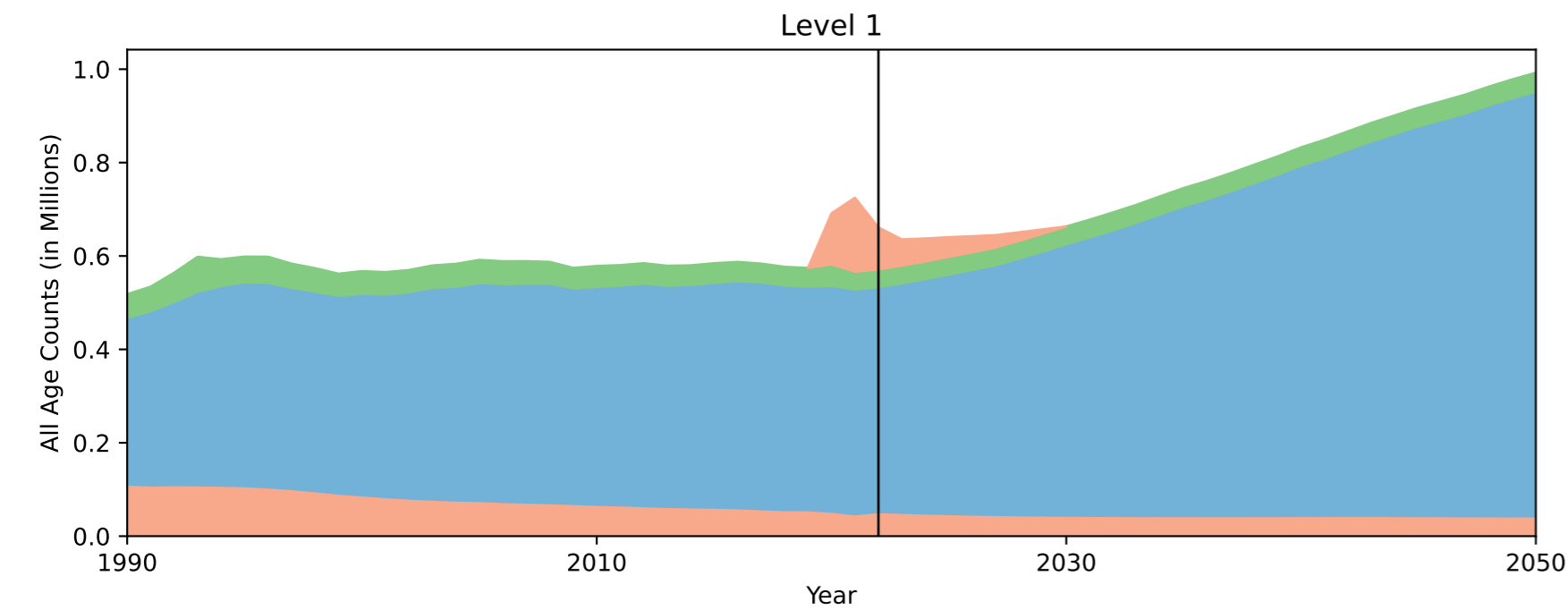
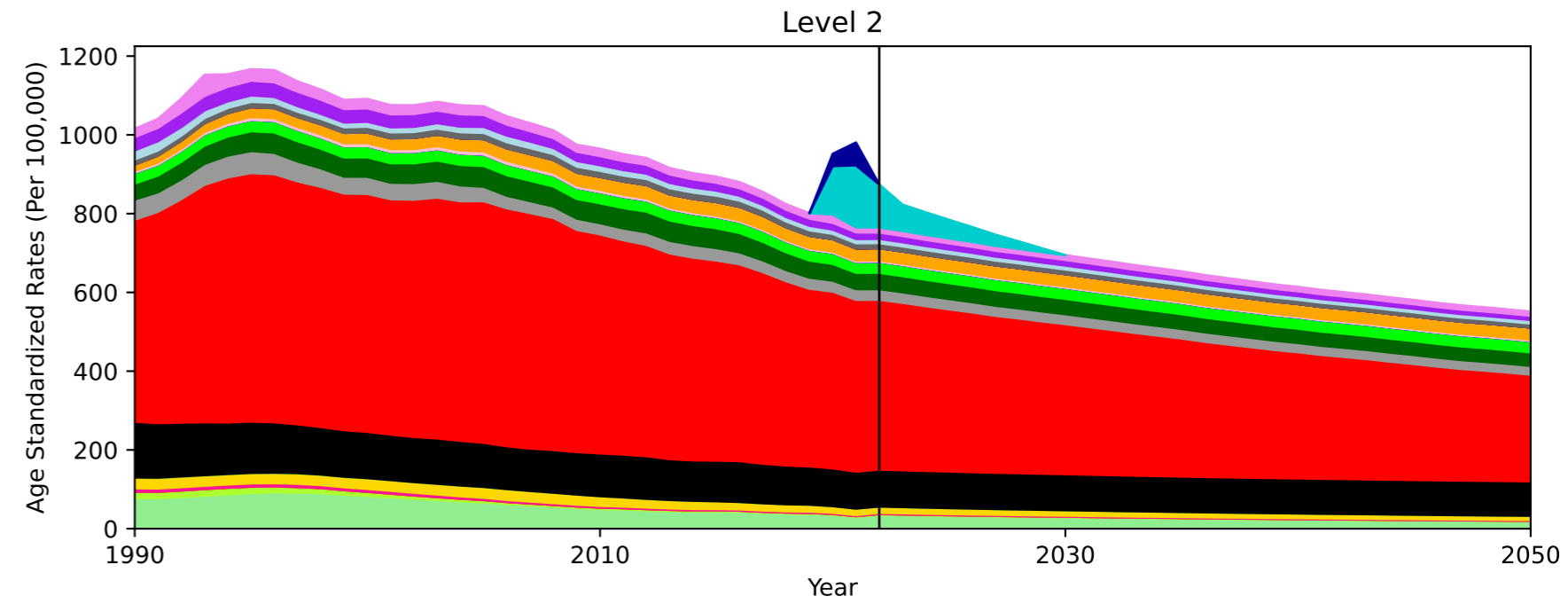
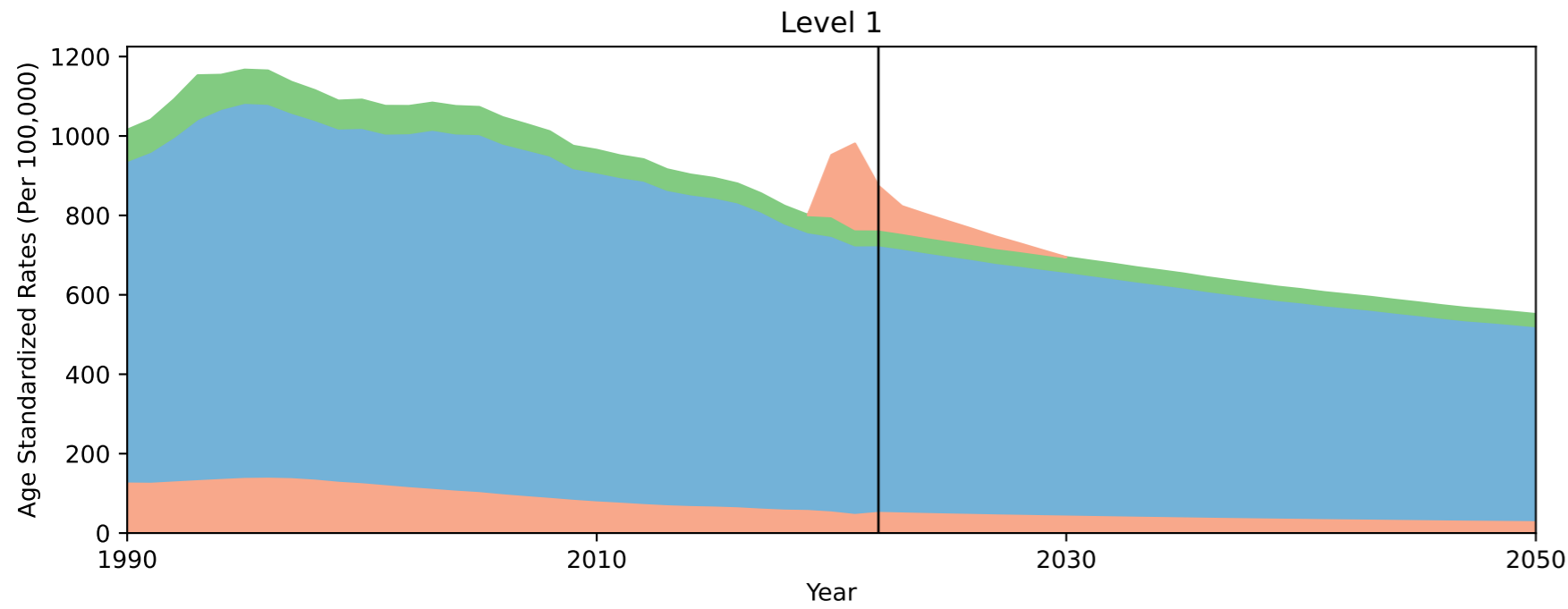
Level 2



# Central Asia

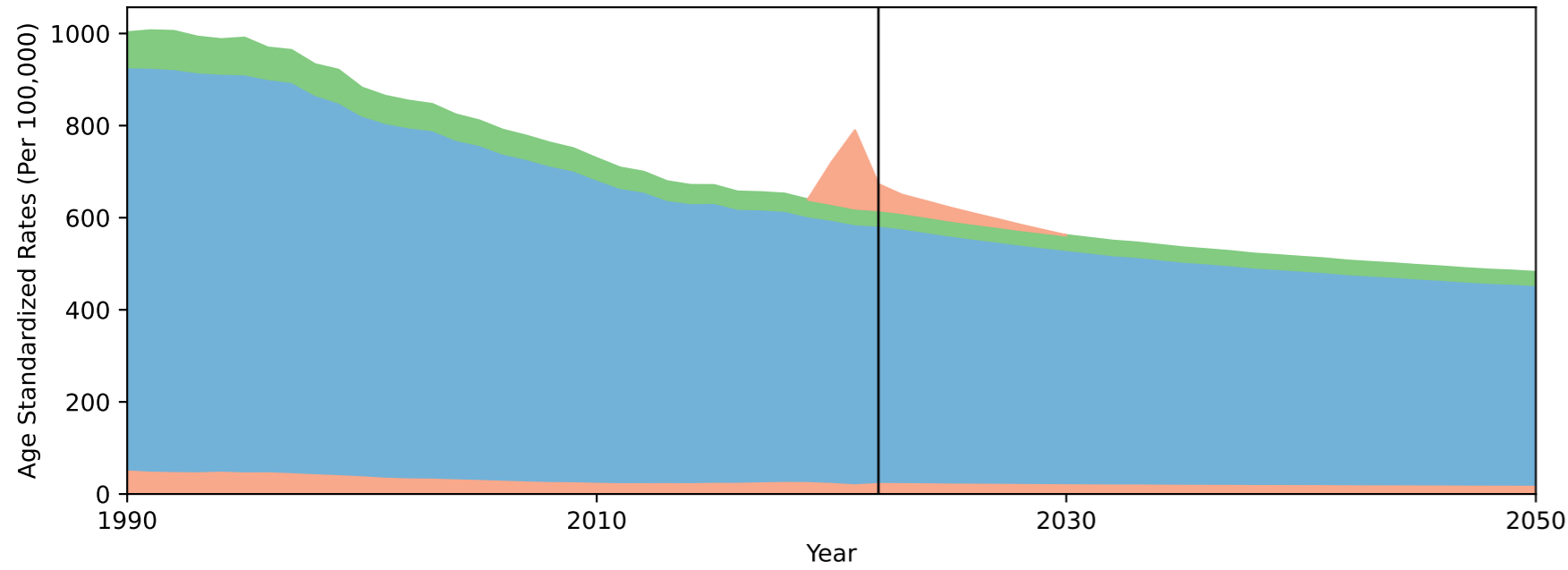
Supplemental Results Figure S5. Age-standardised death rates and all age death counts and by Level 1 and Level 2 causes, 1990–2050

690

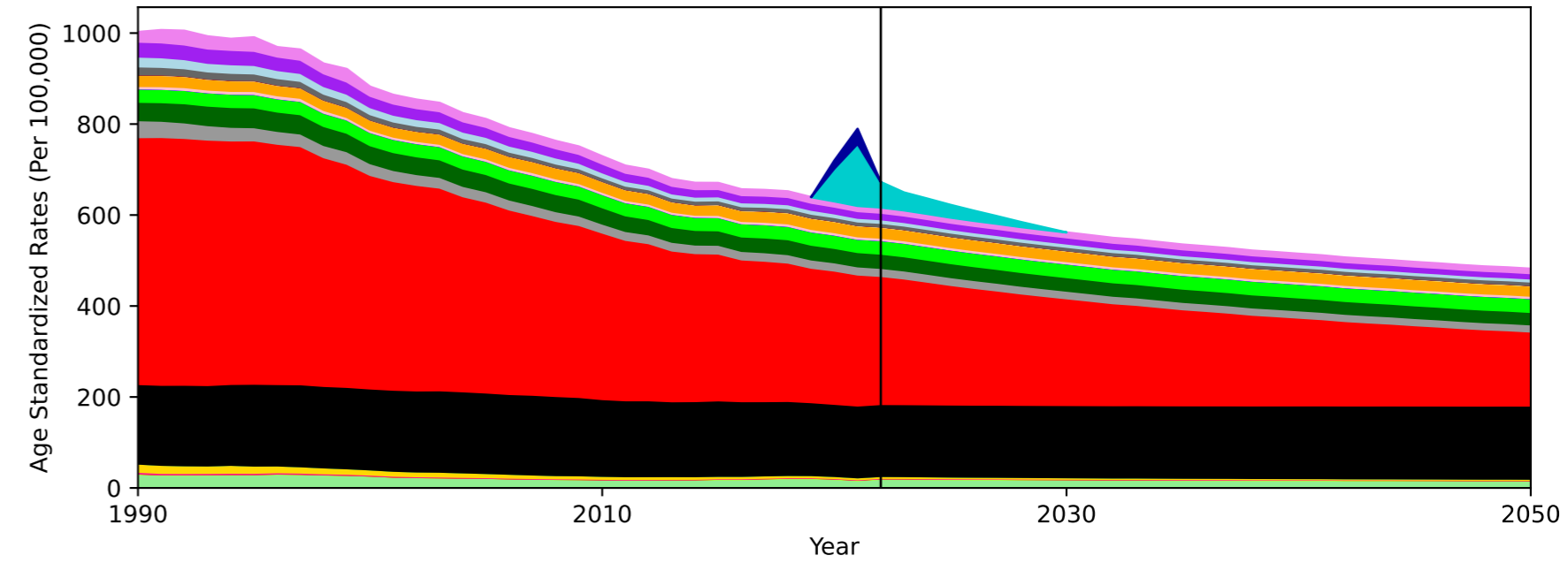


# Central Europe

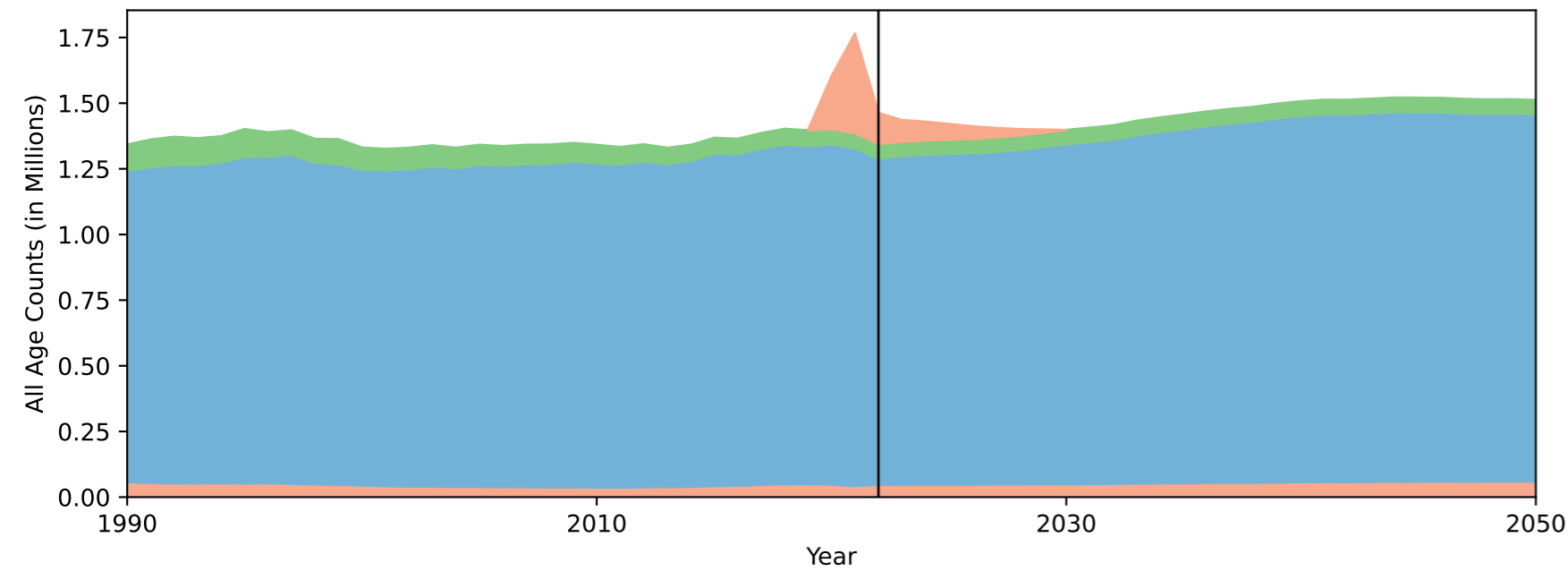
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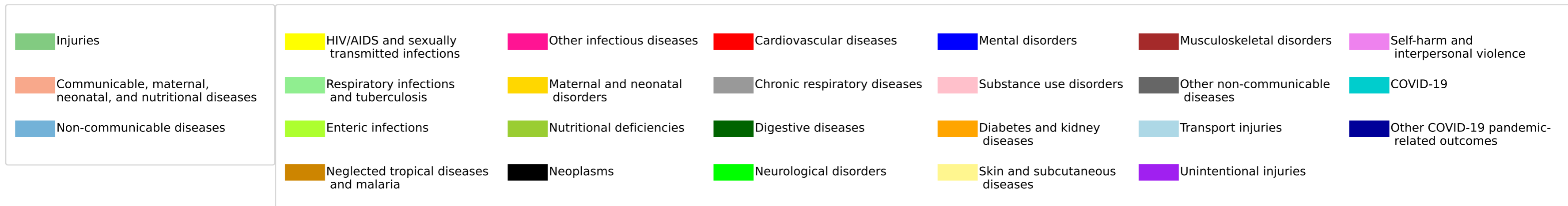
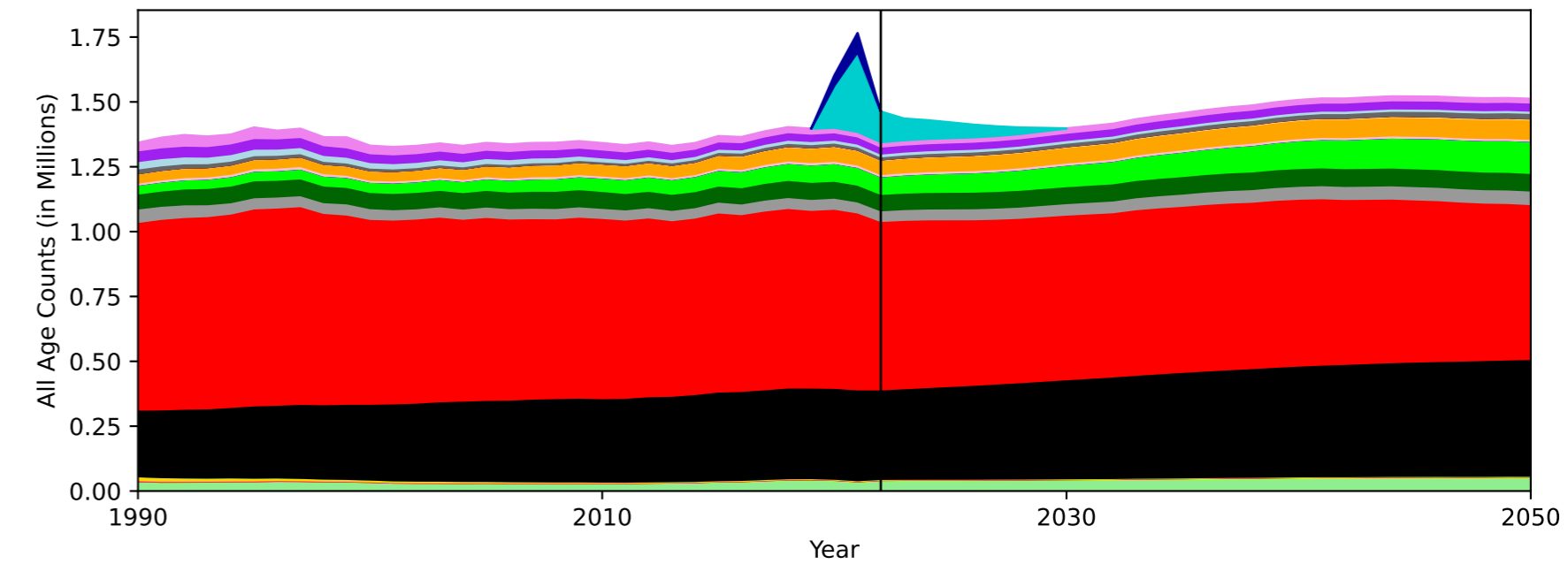
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Level 1

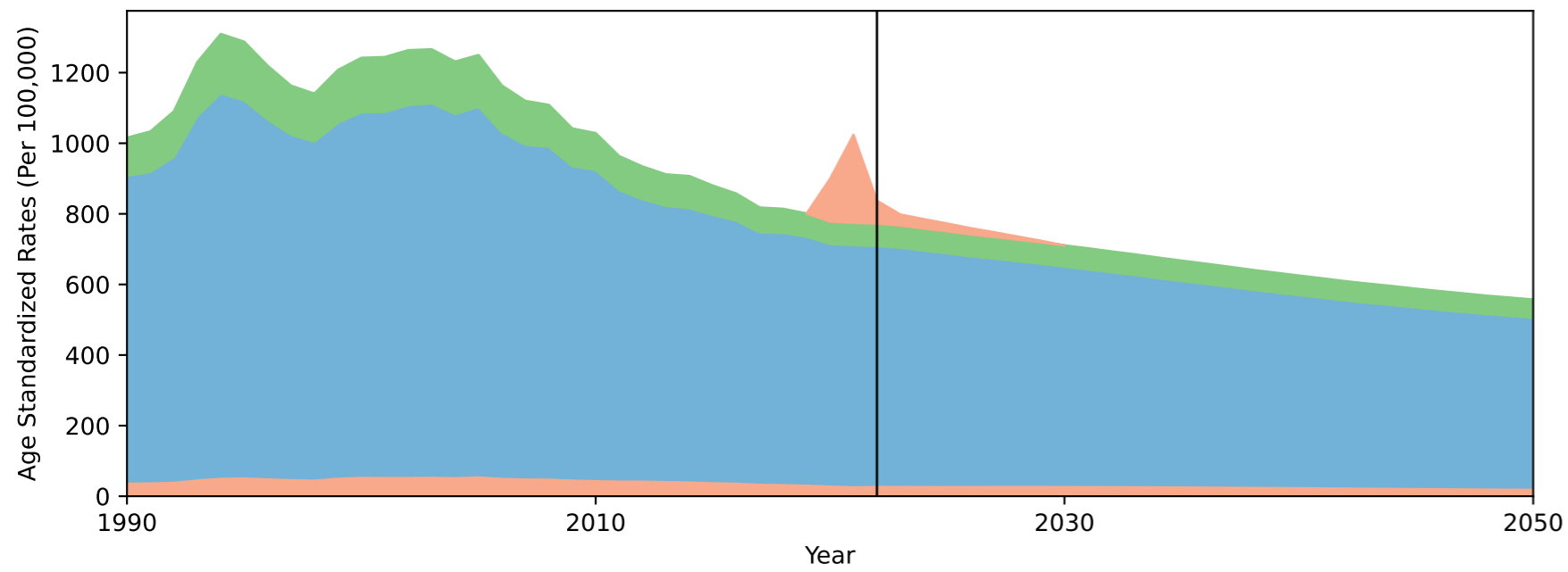


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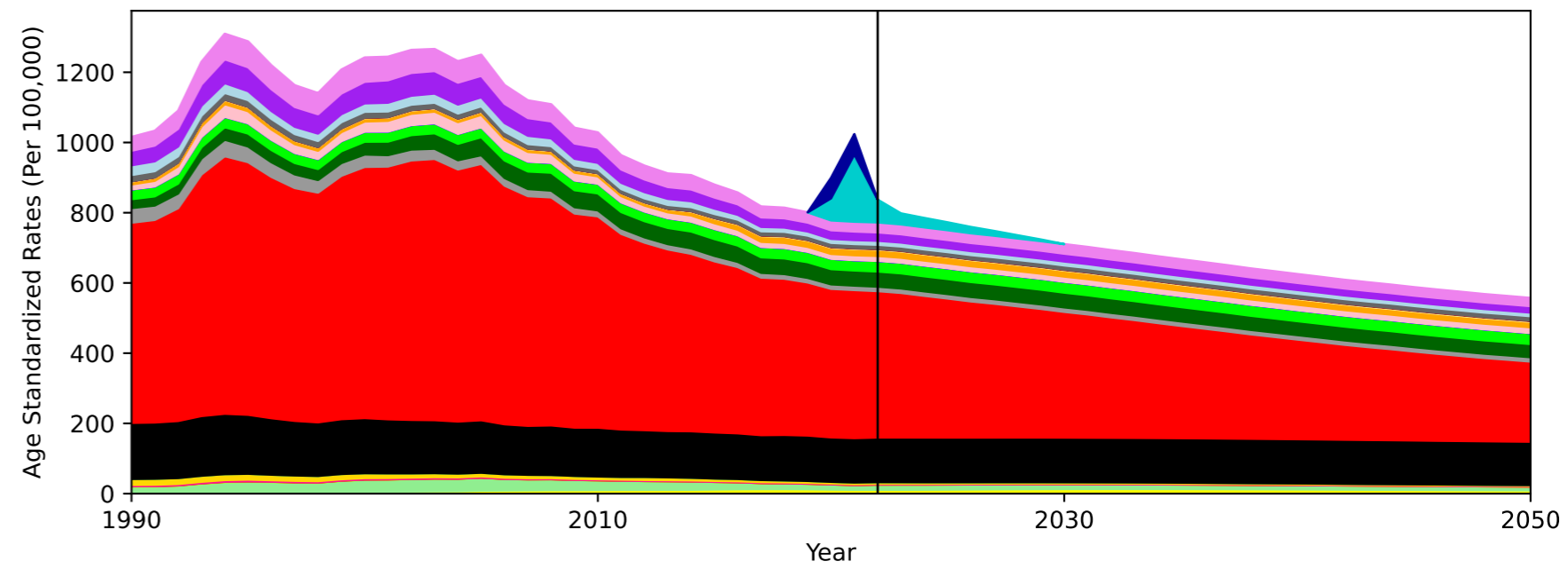


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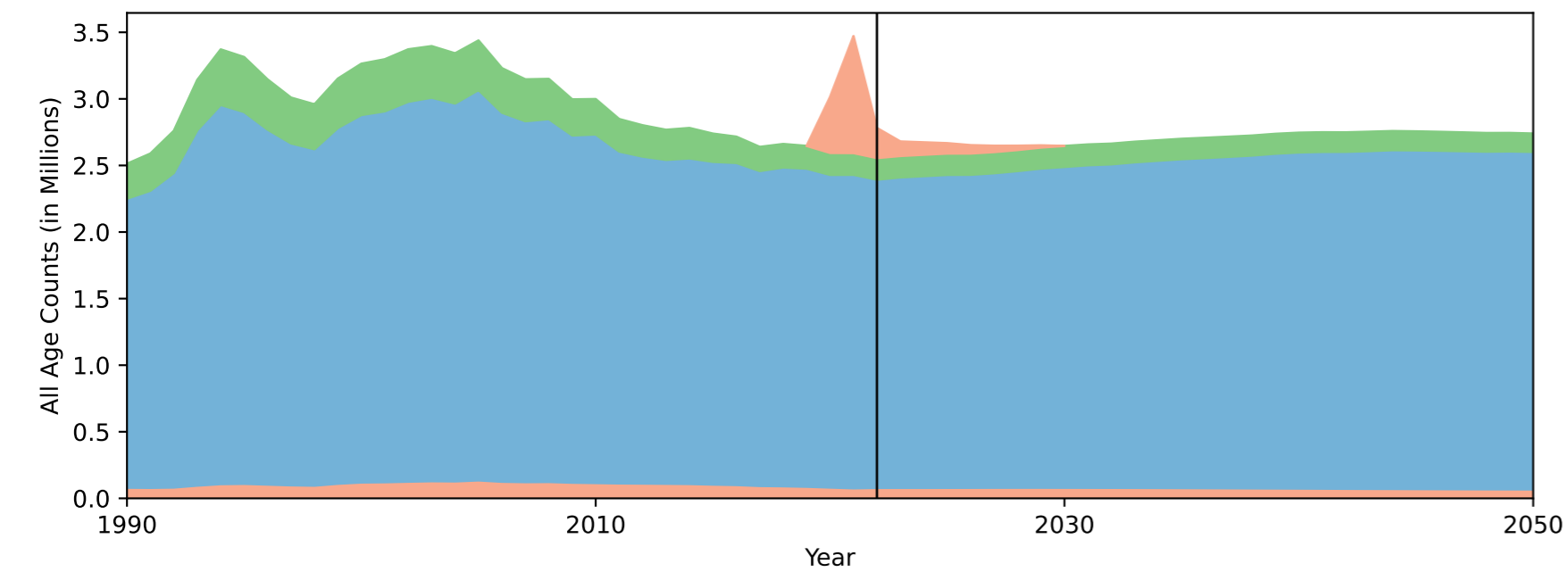
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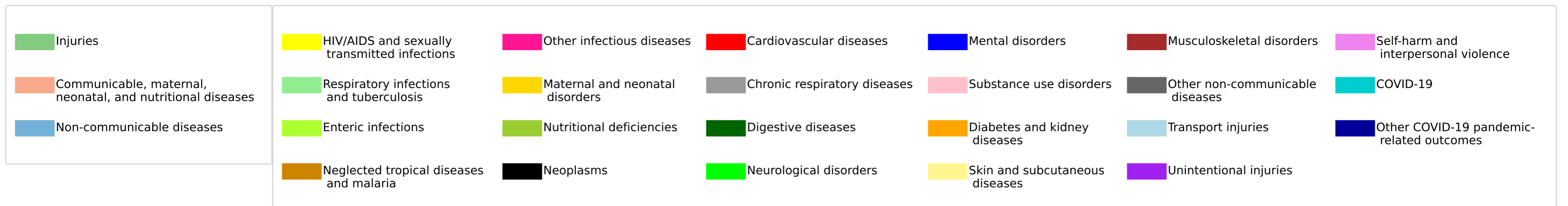
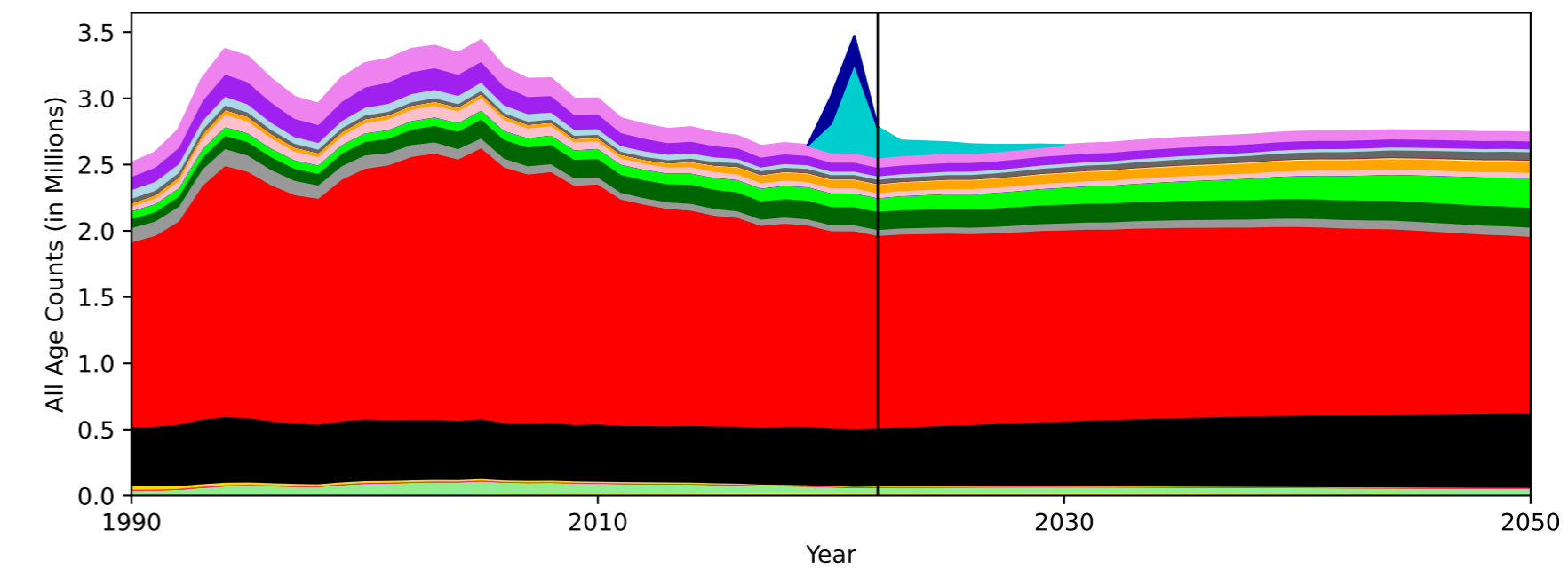
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Level 1

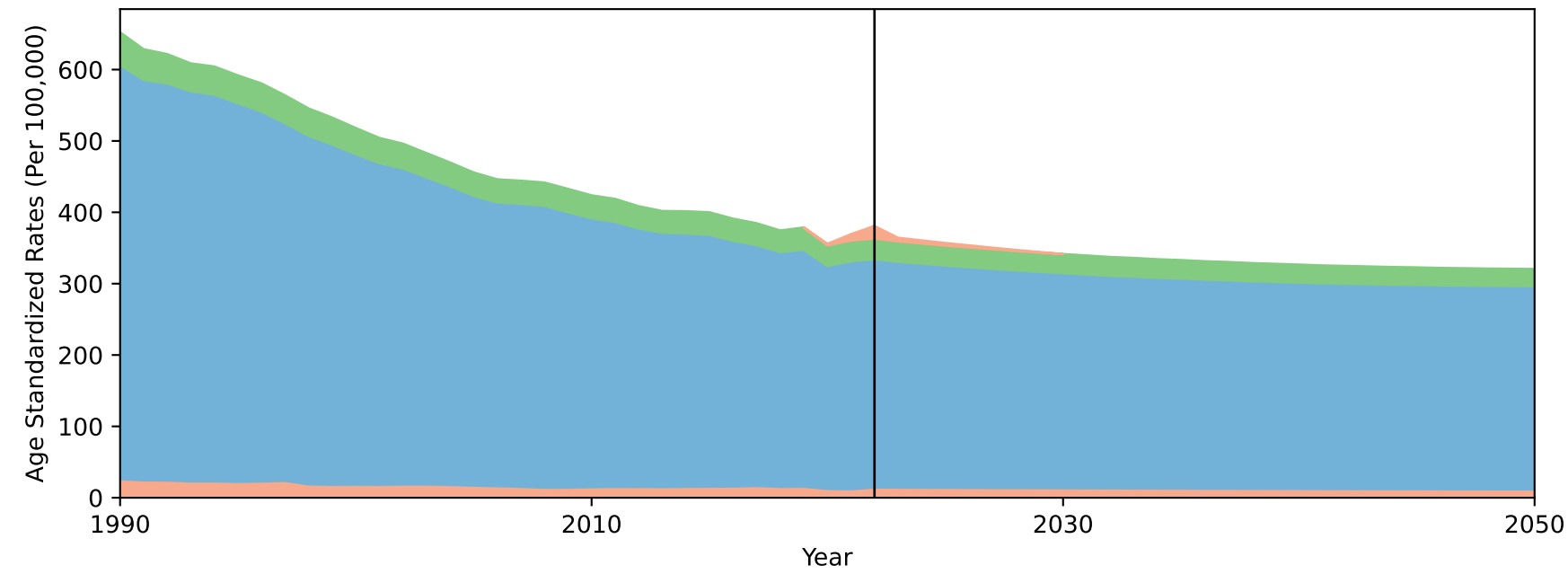


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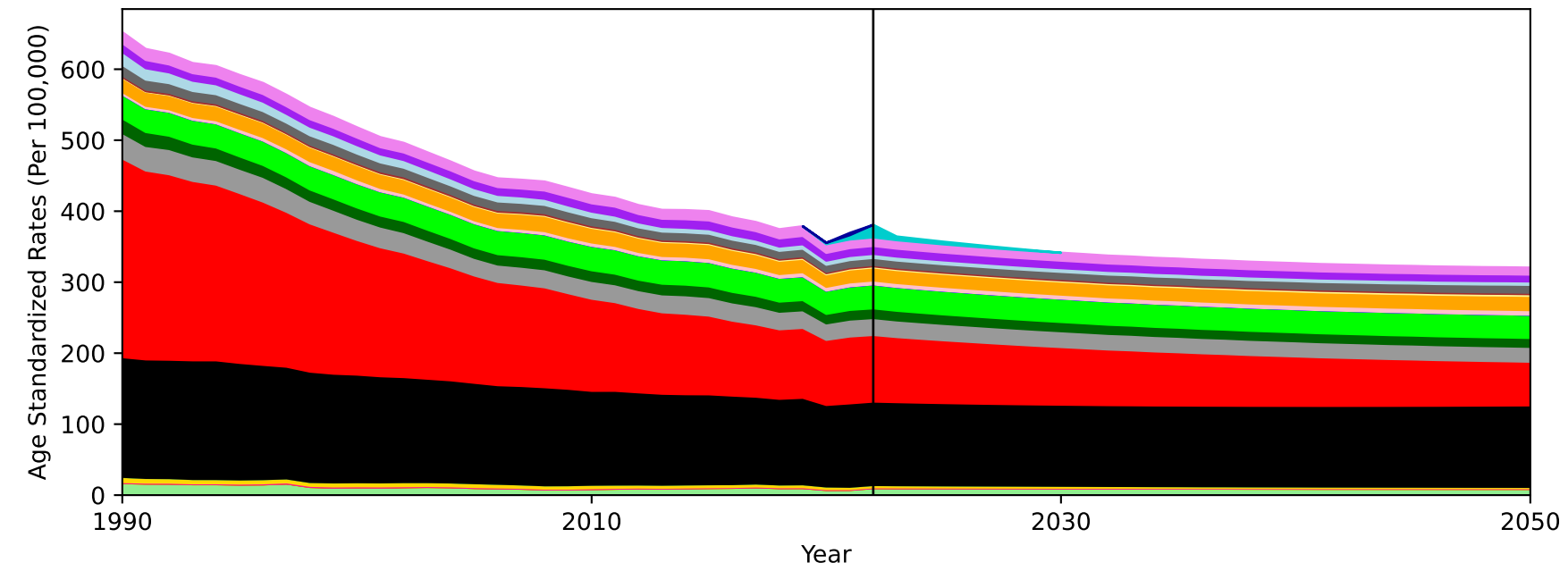


# Australasia

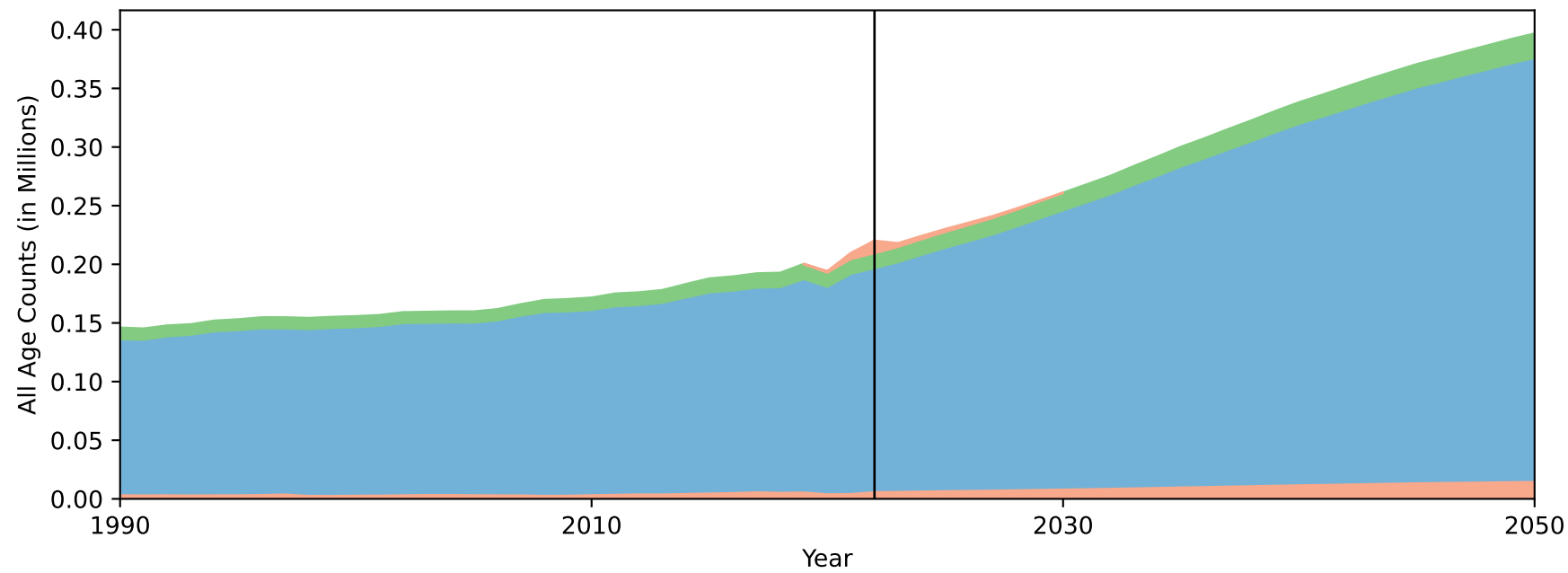
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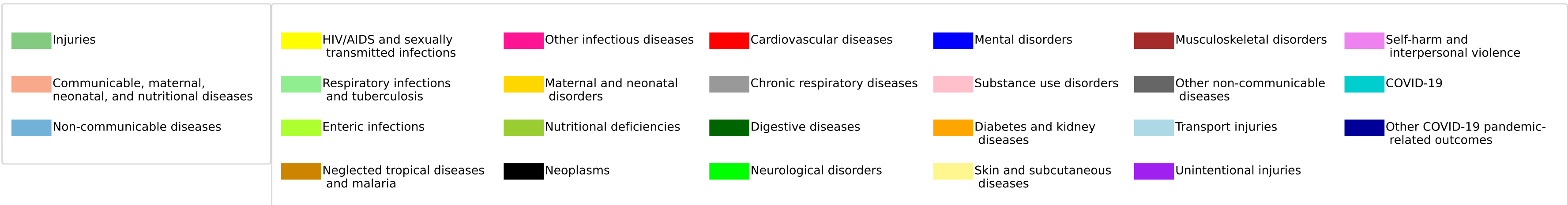
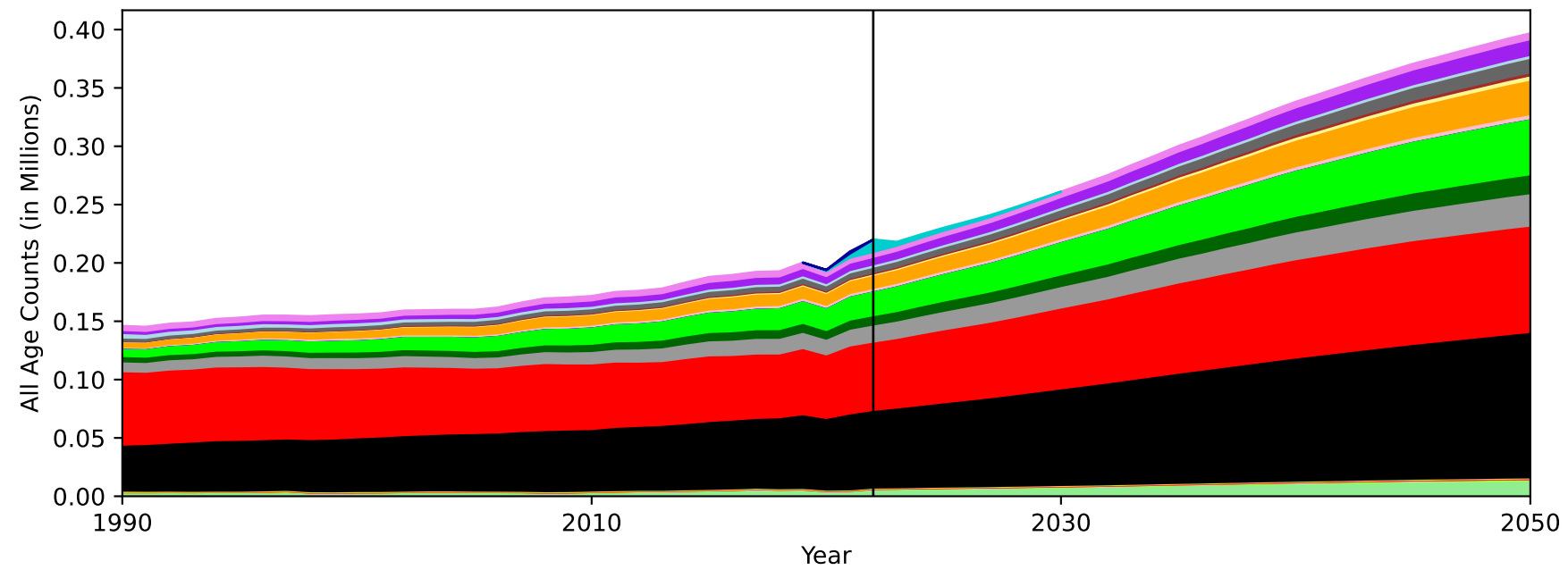
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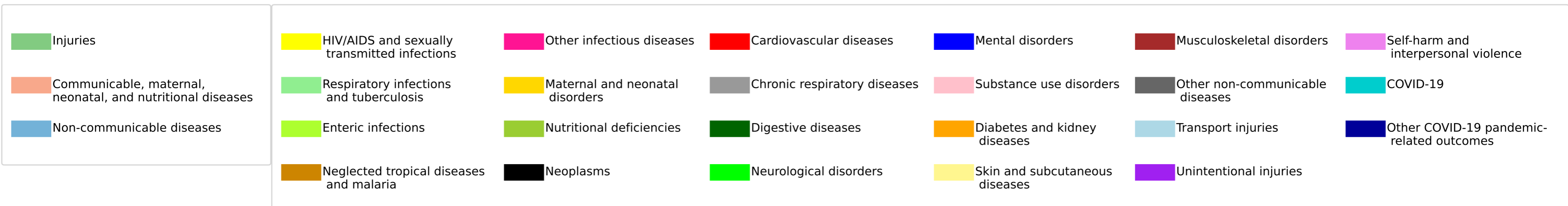
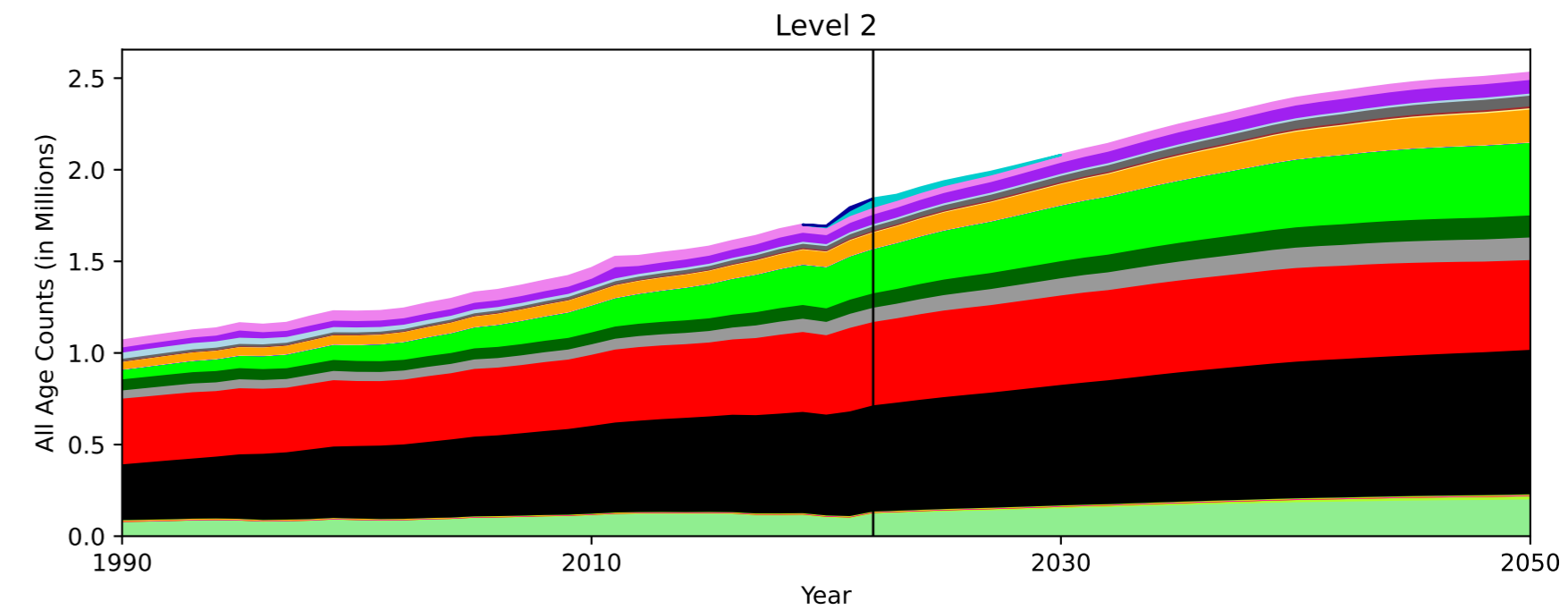
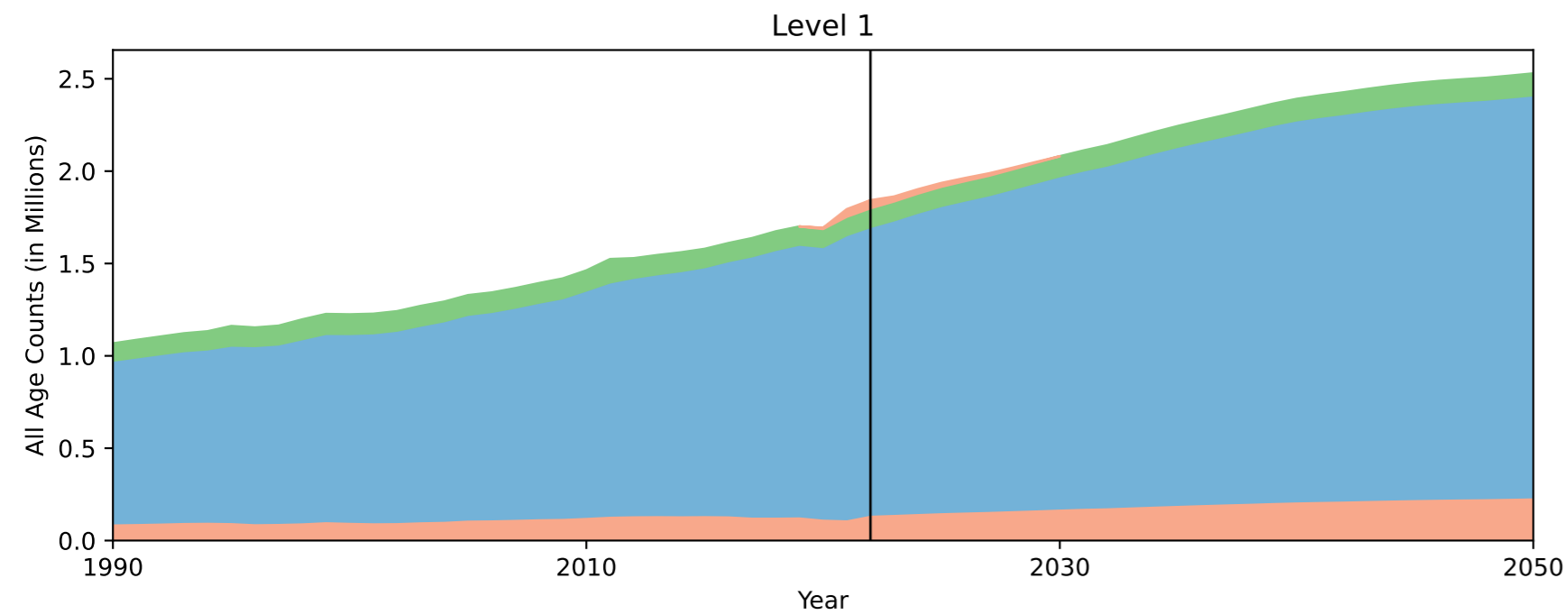
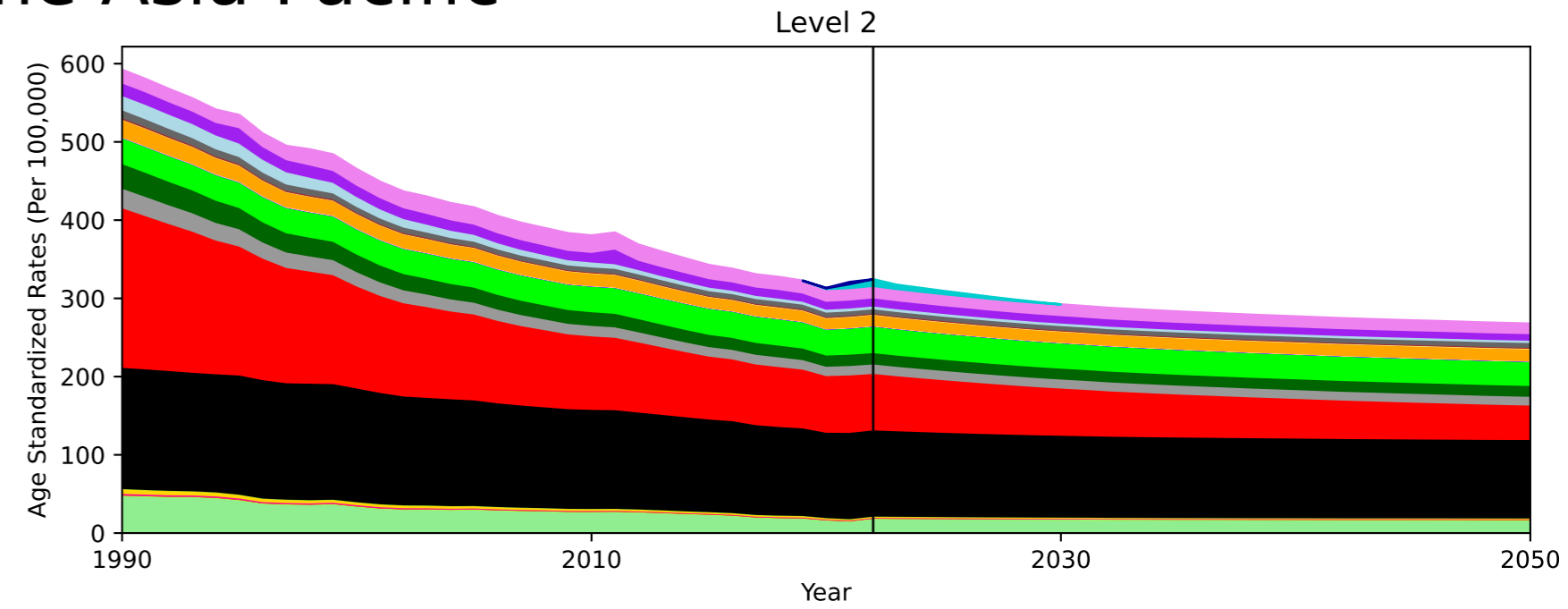
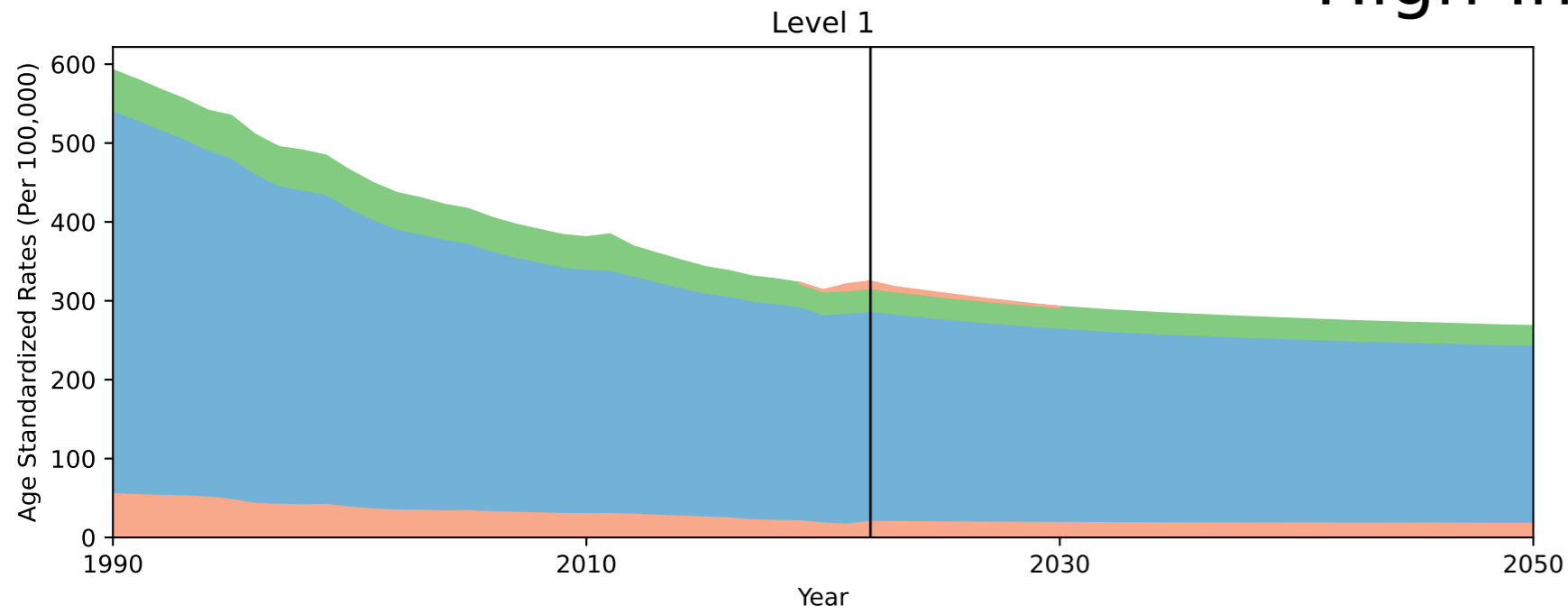
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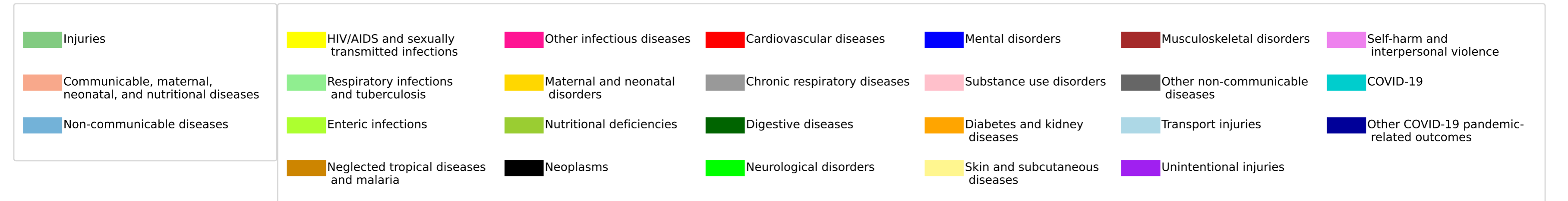
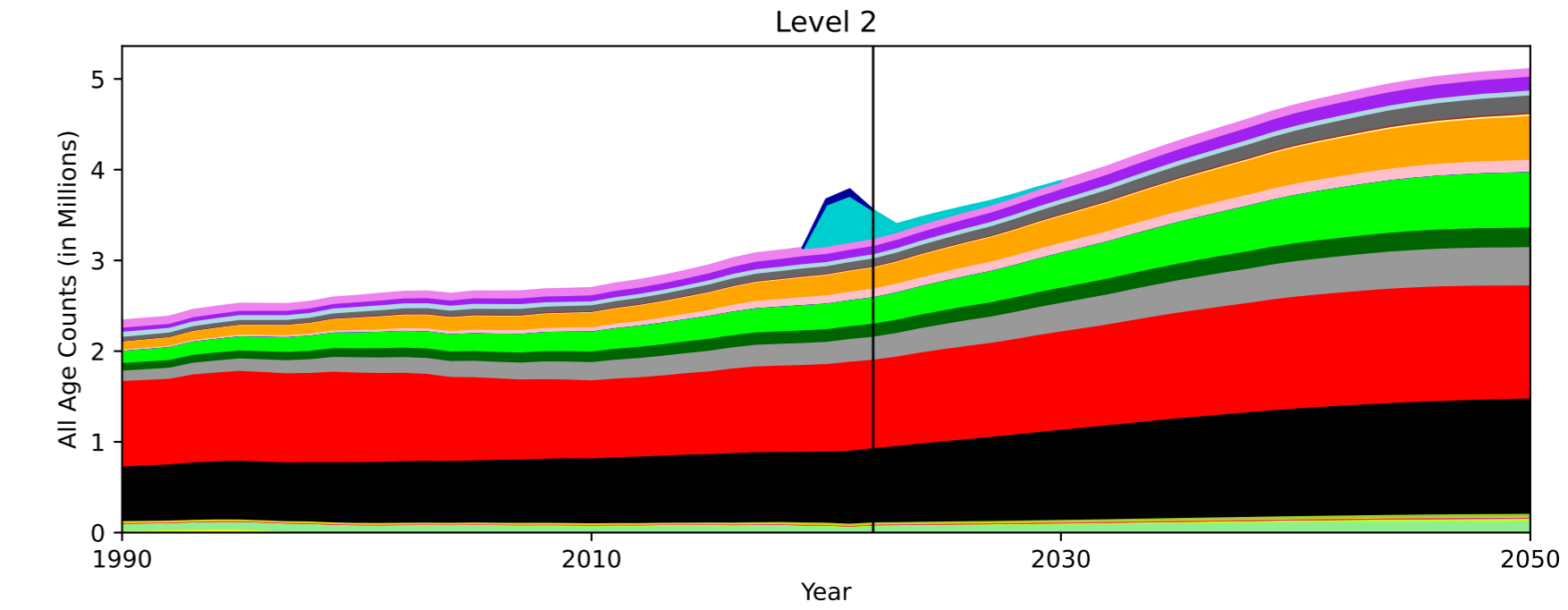
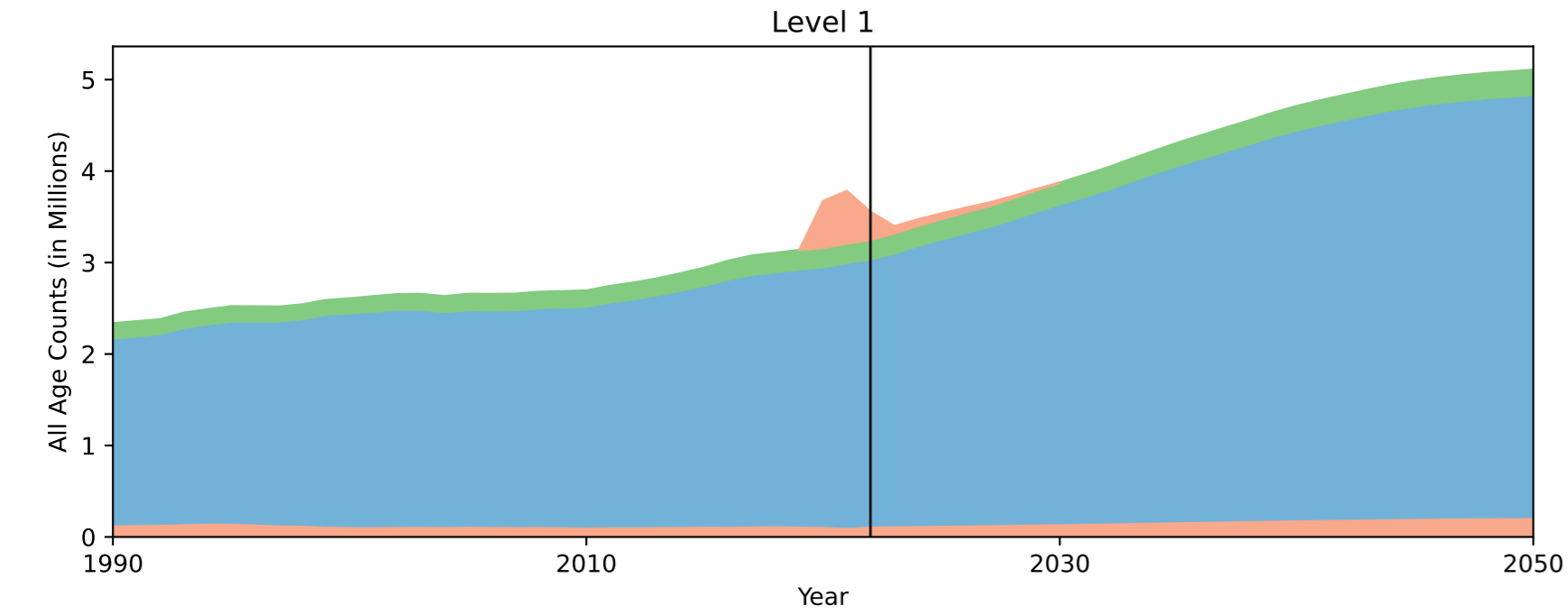
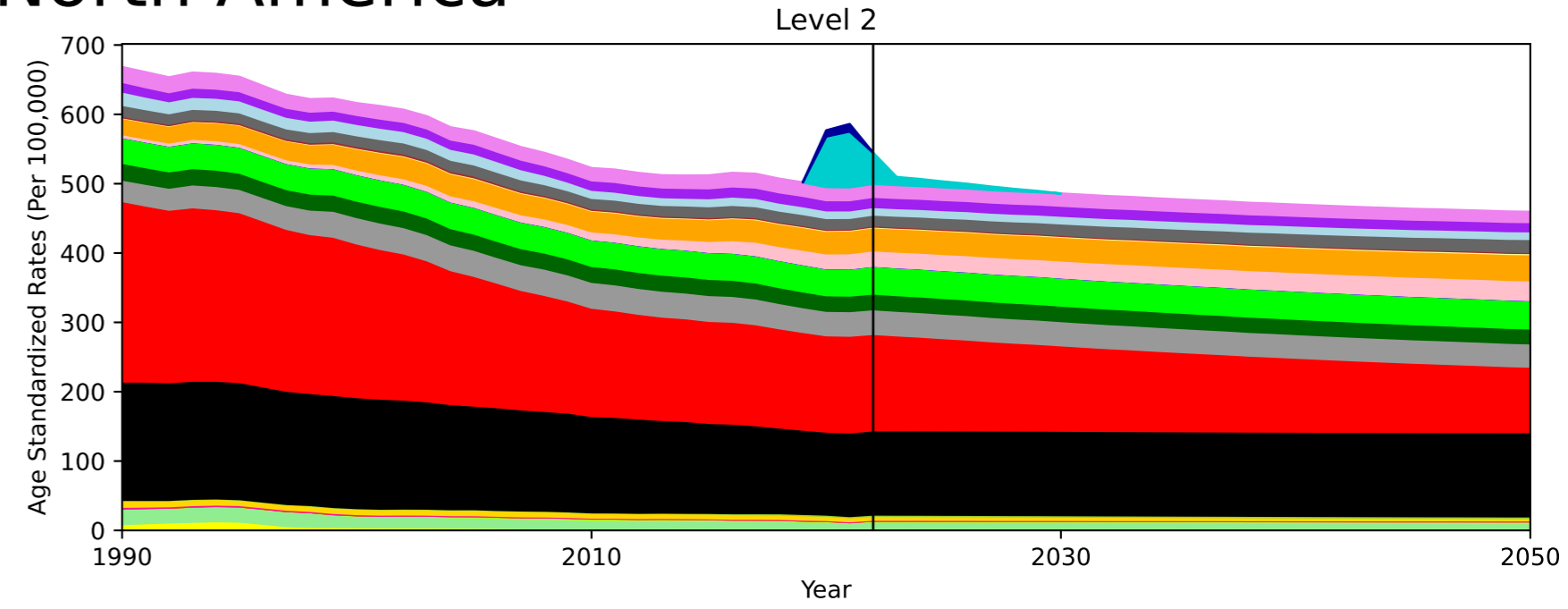
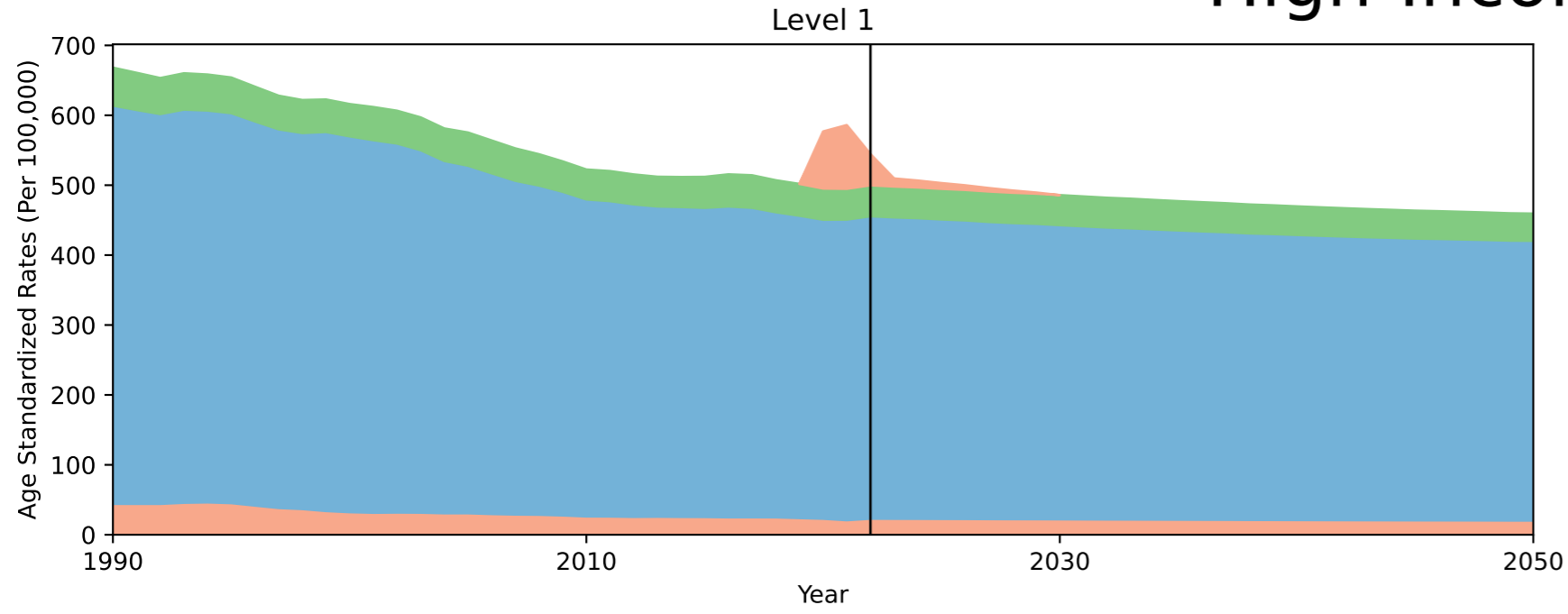
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# High-Income Asia Pacific



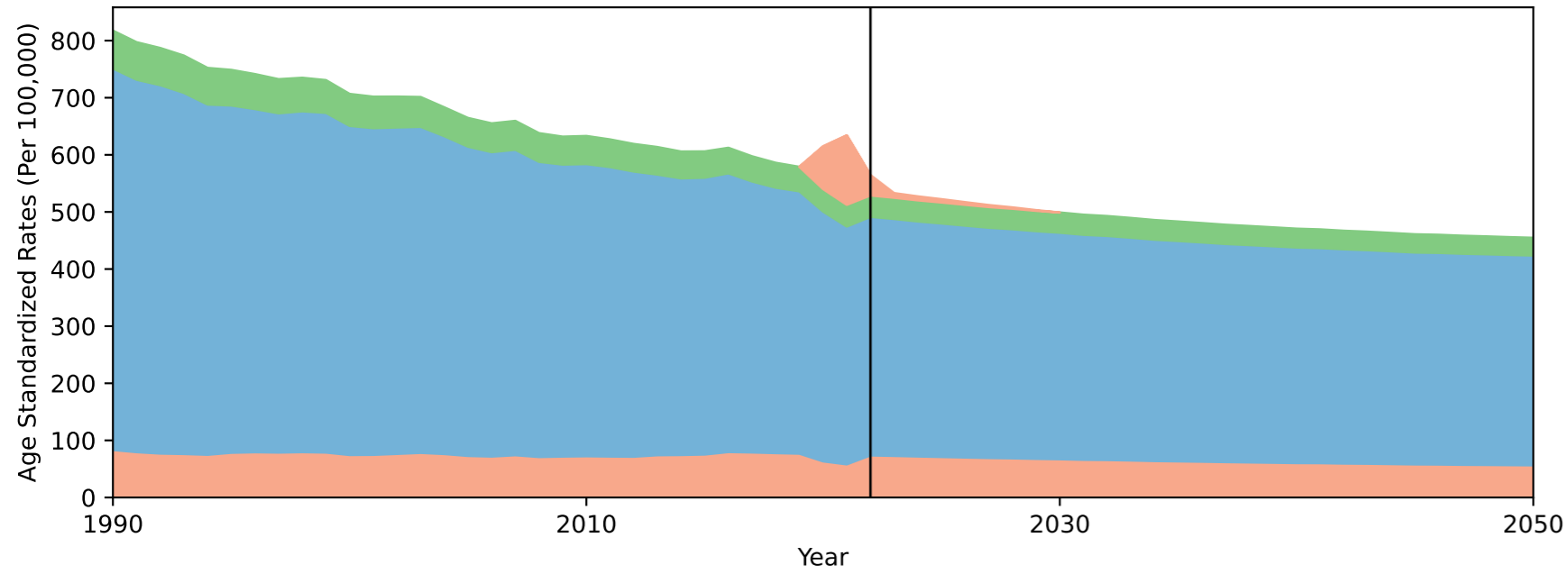
# High-Income North America



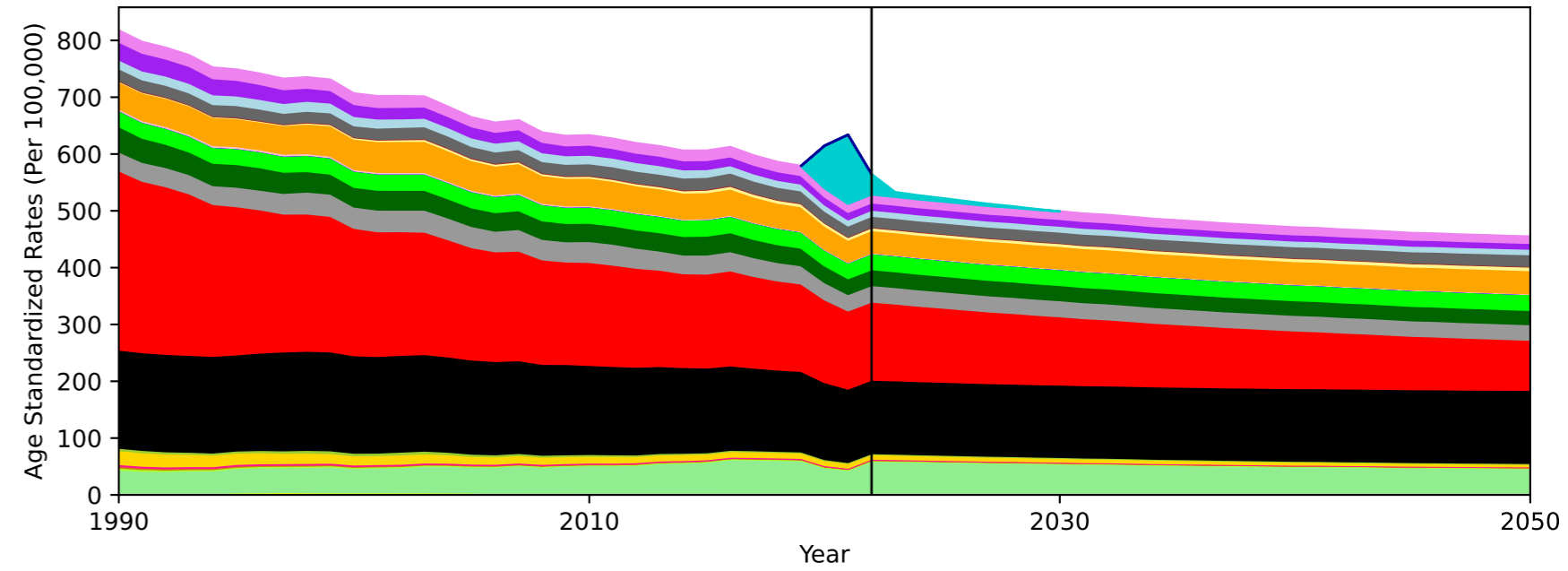


# Southern Latin America

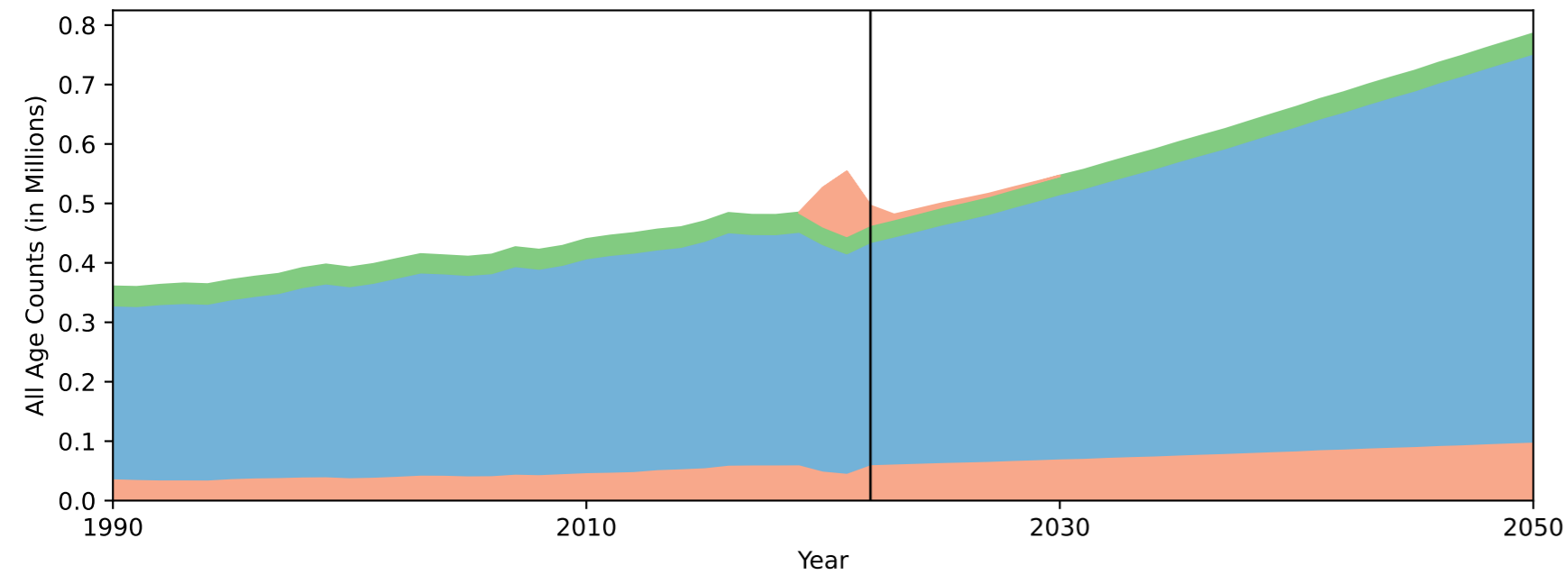
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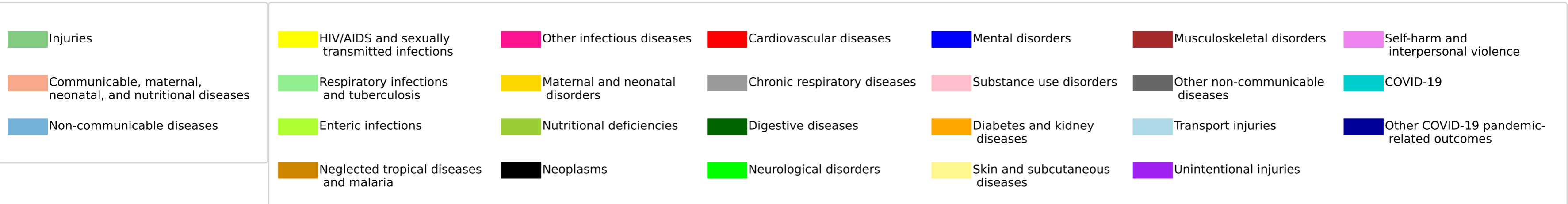
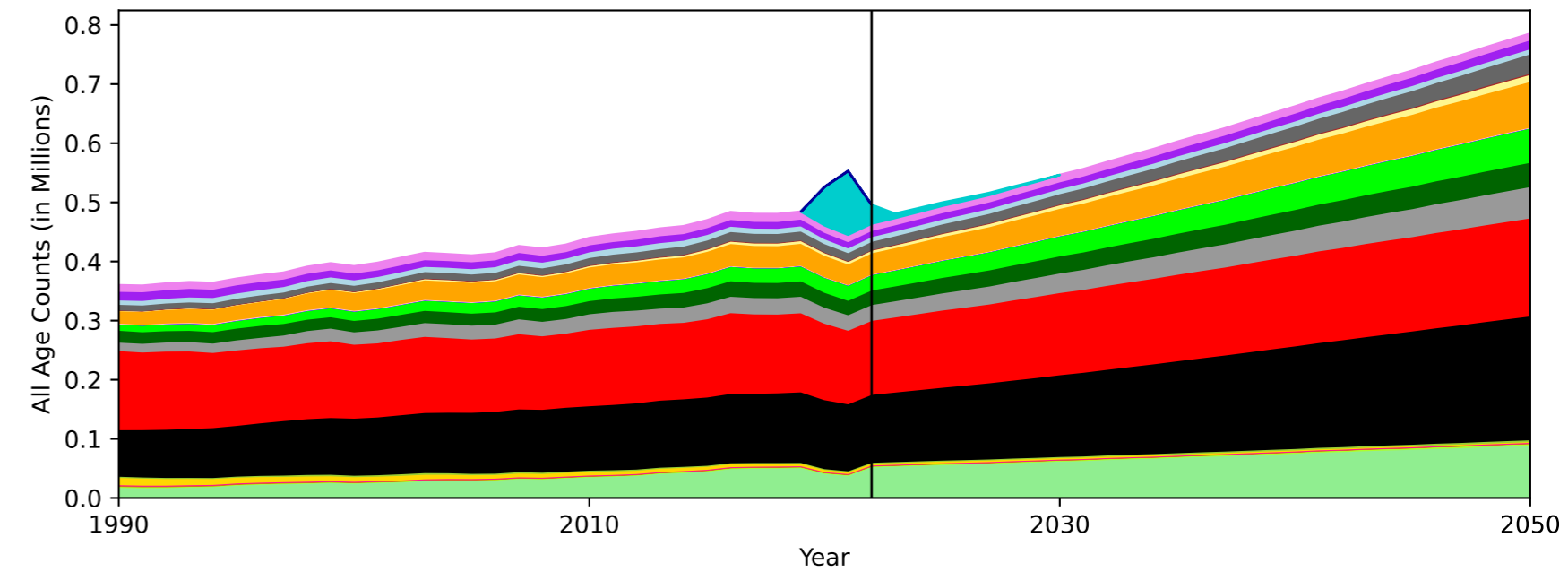
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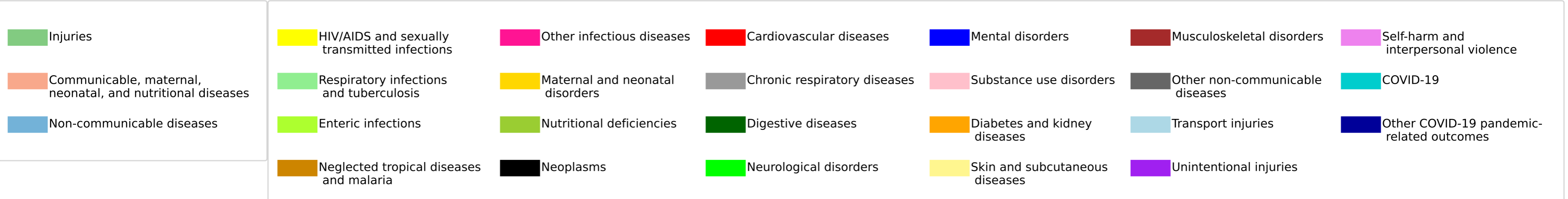
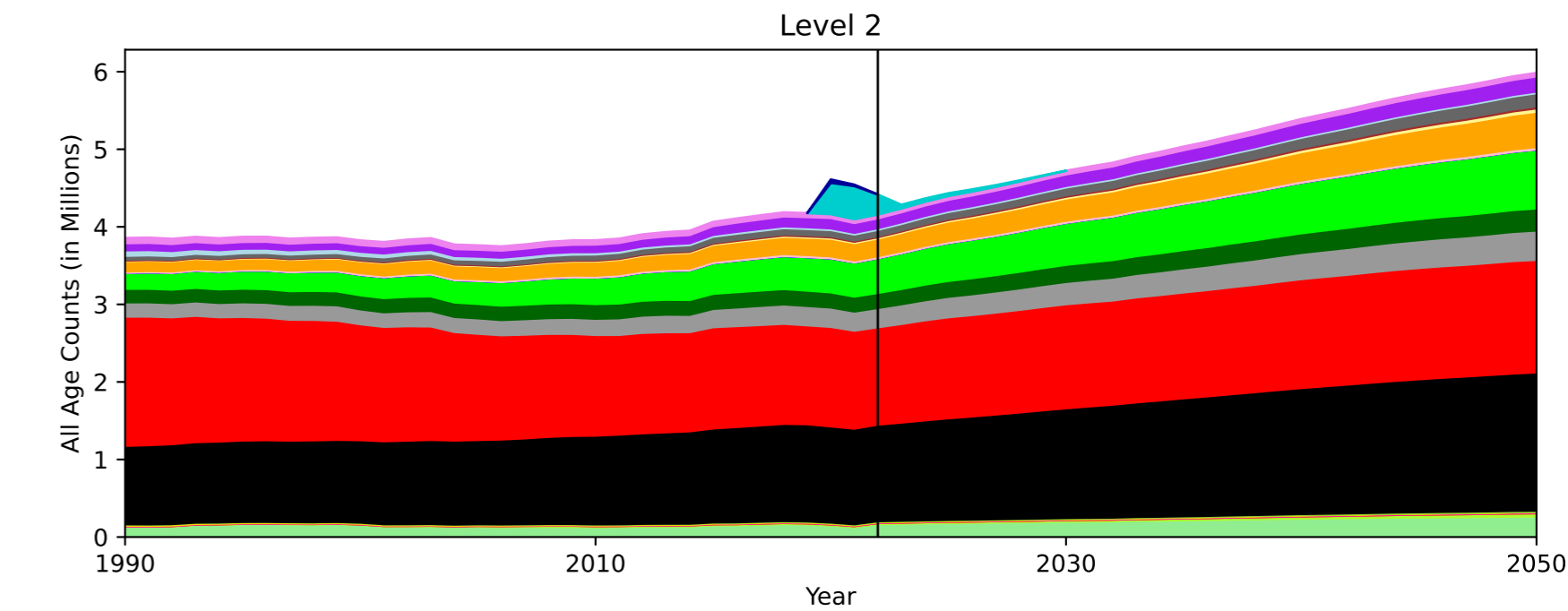
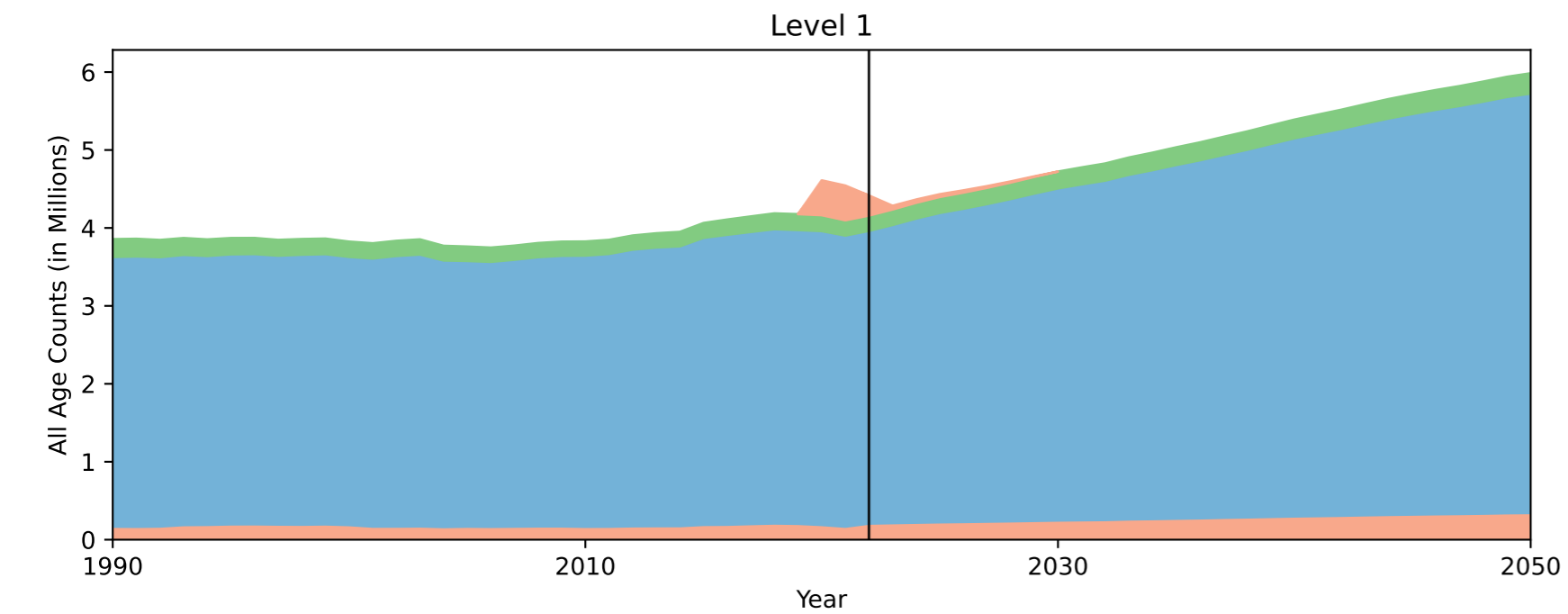
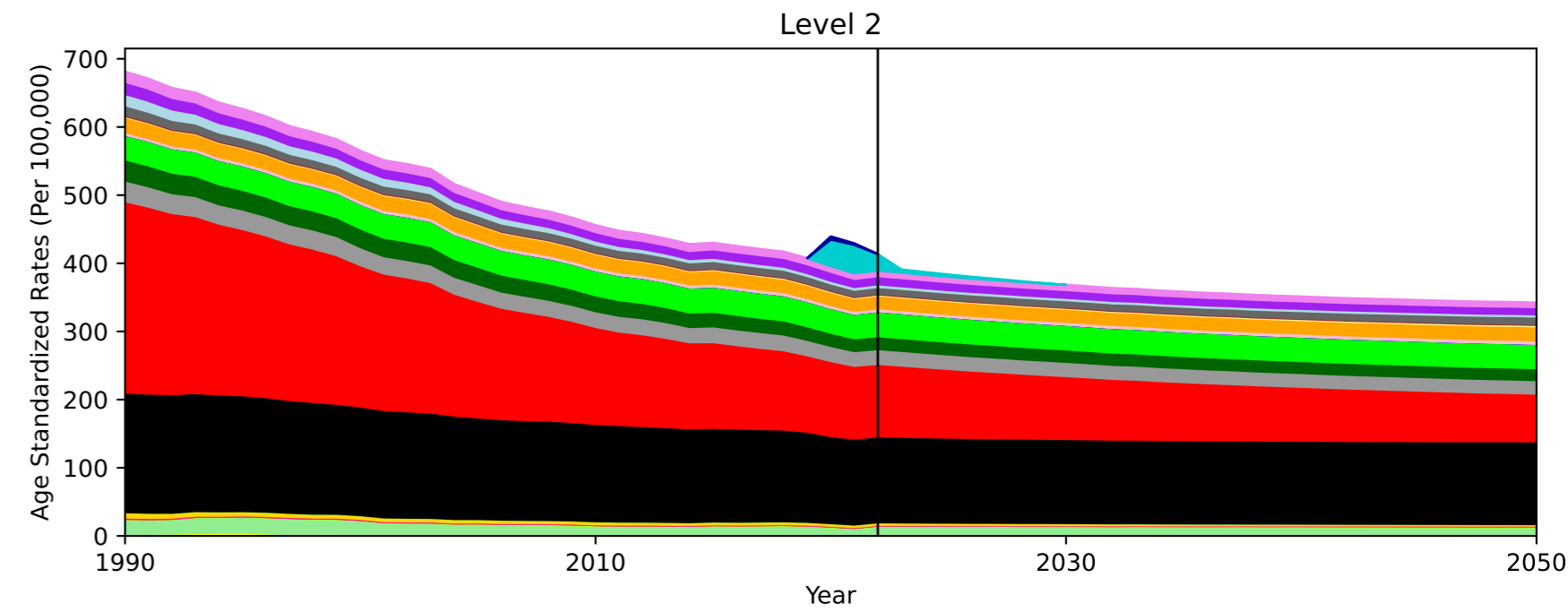
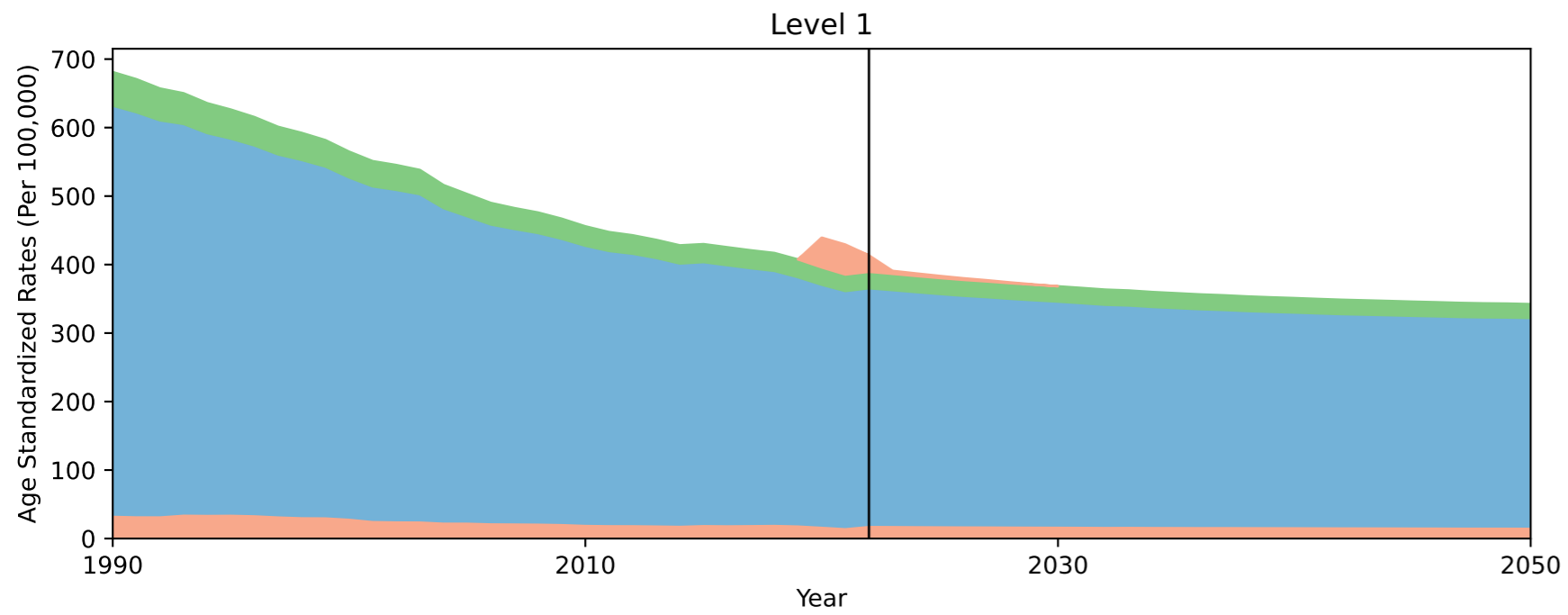
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Level 2

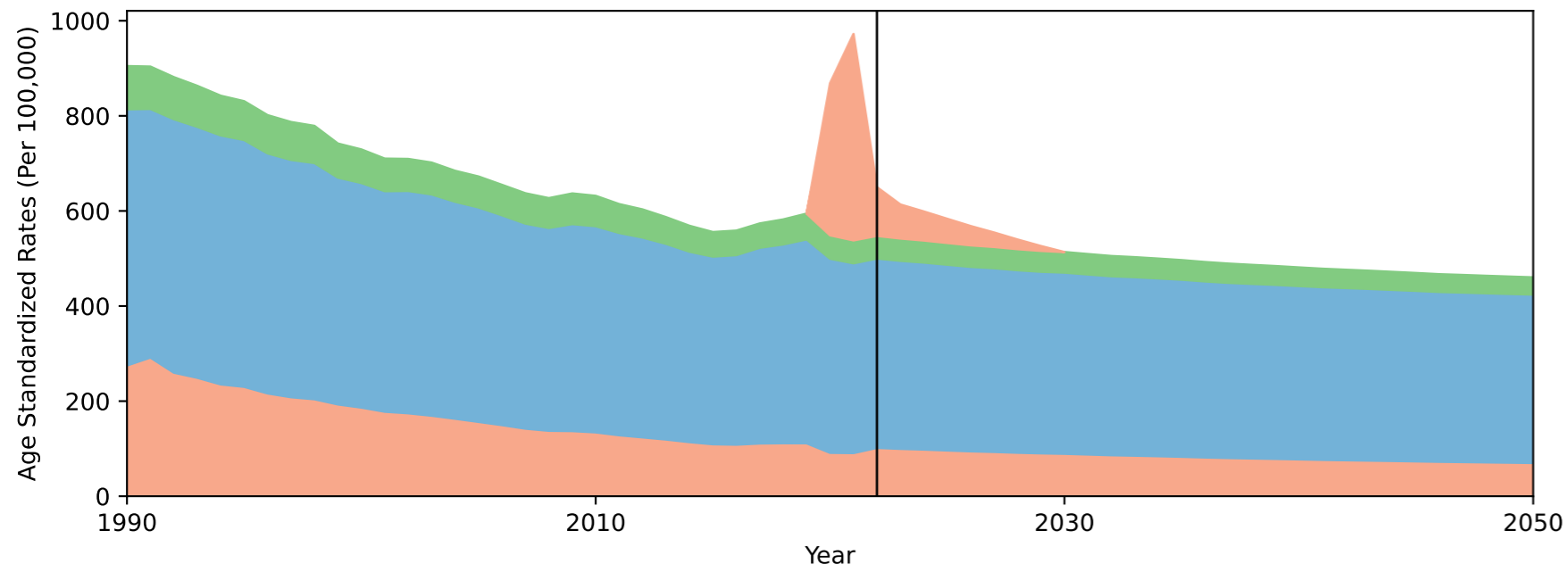


# Western Europe

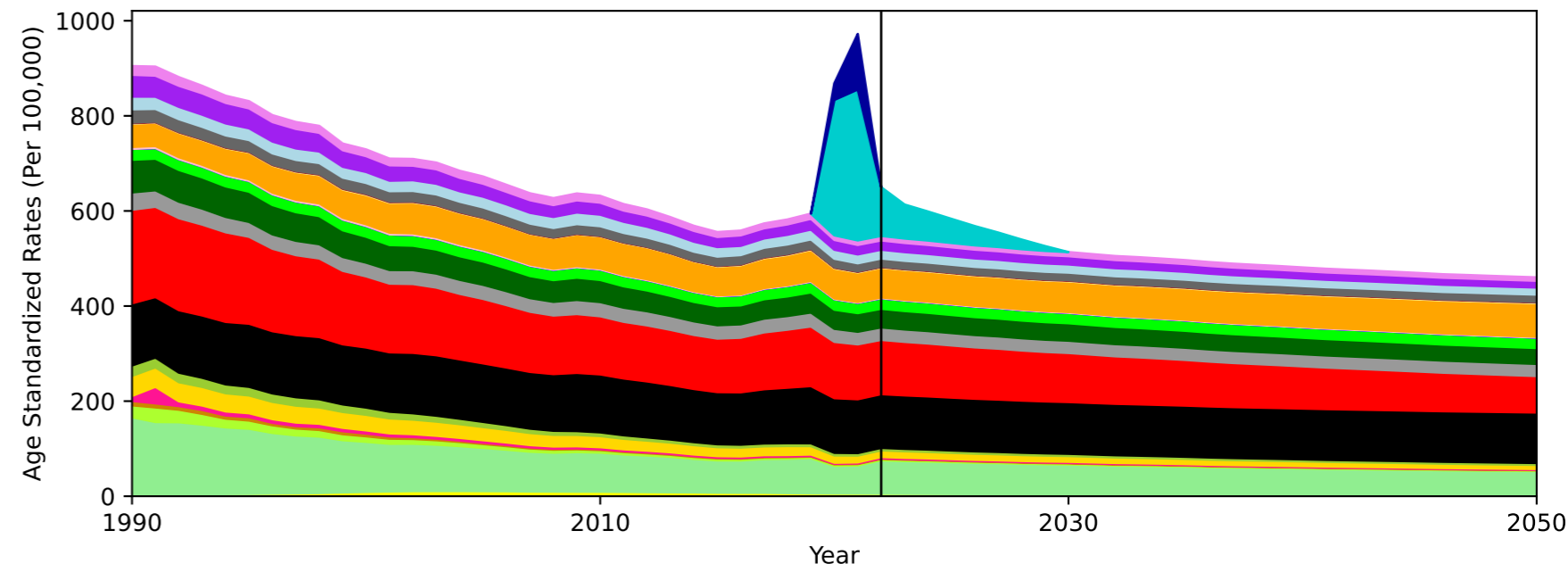


# Andean Latin America

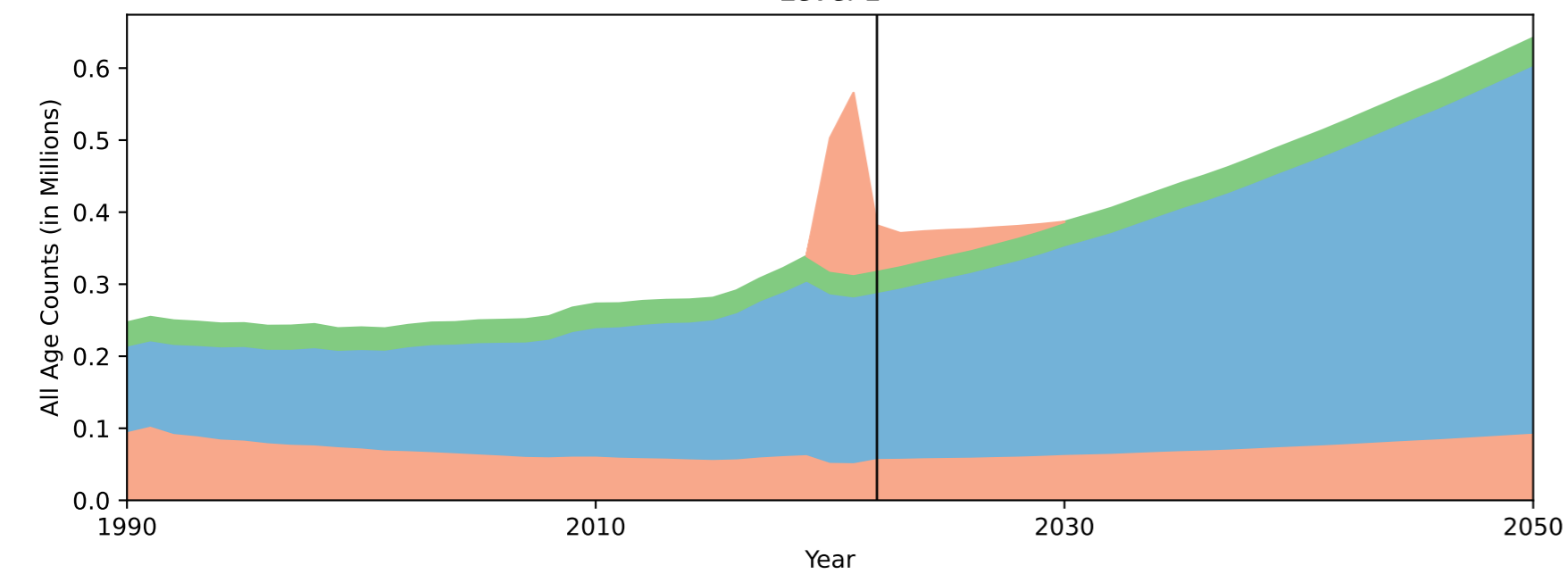
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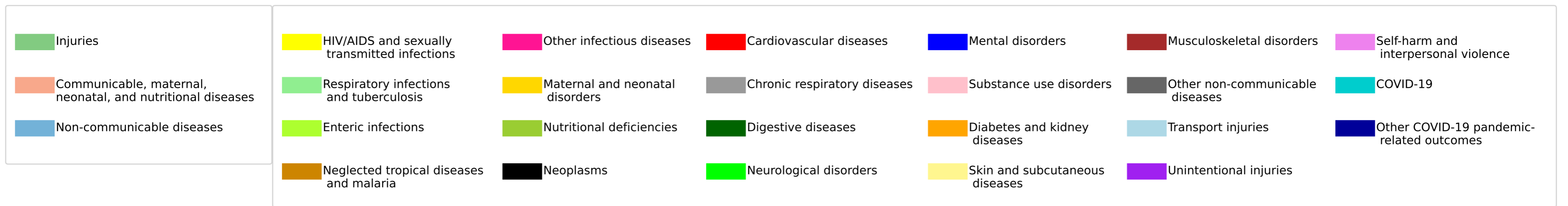
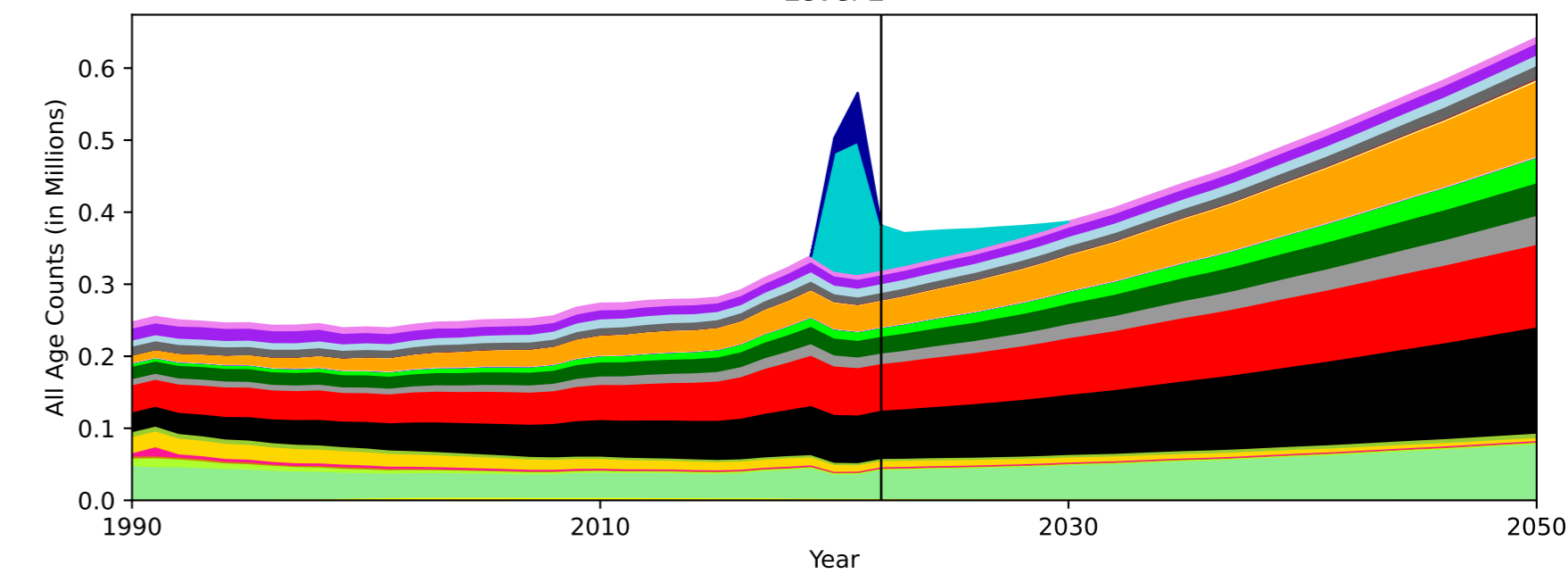
Level 2



Level 1

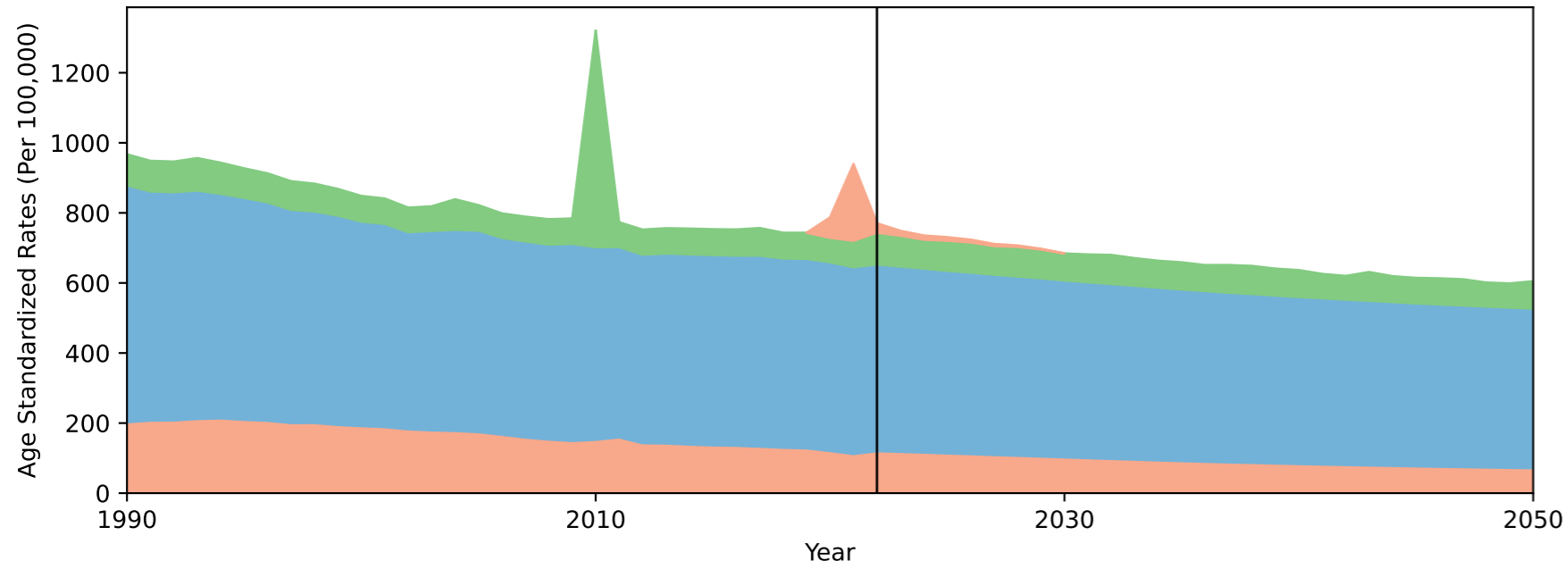


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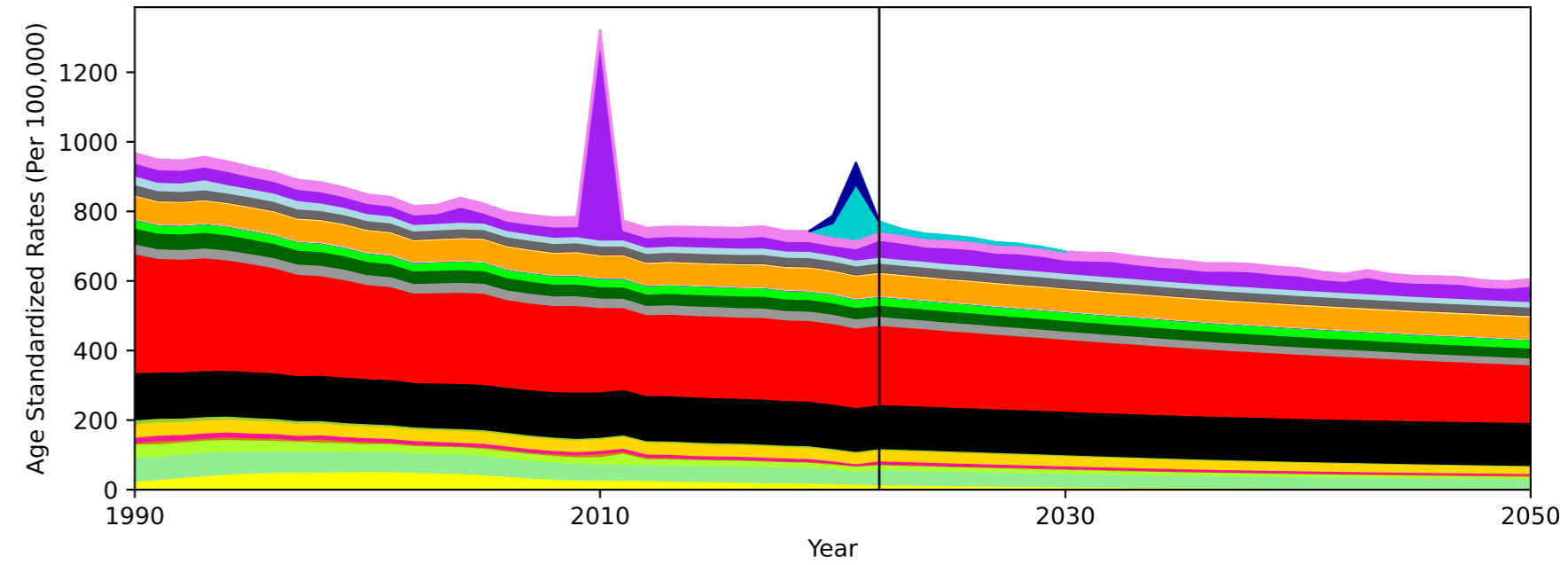


# Caribbean

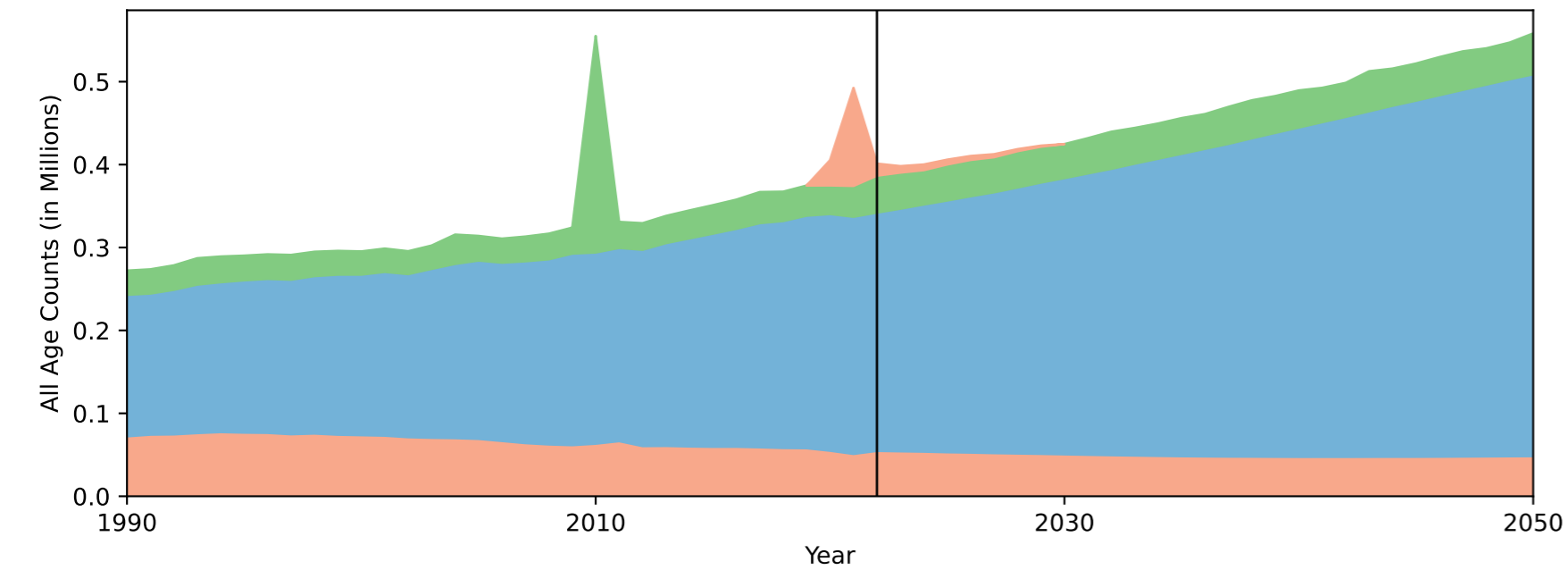
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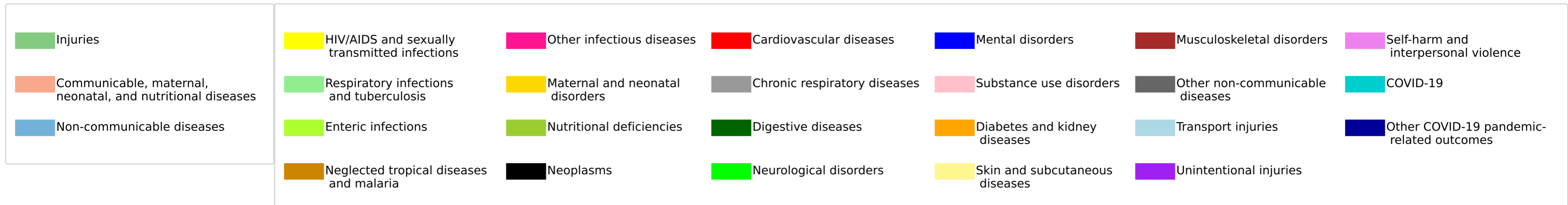
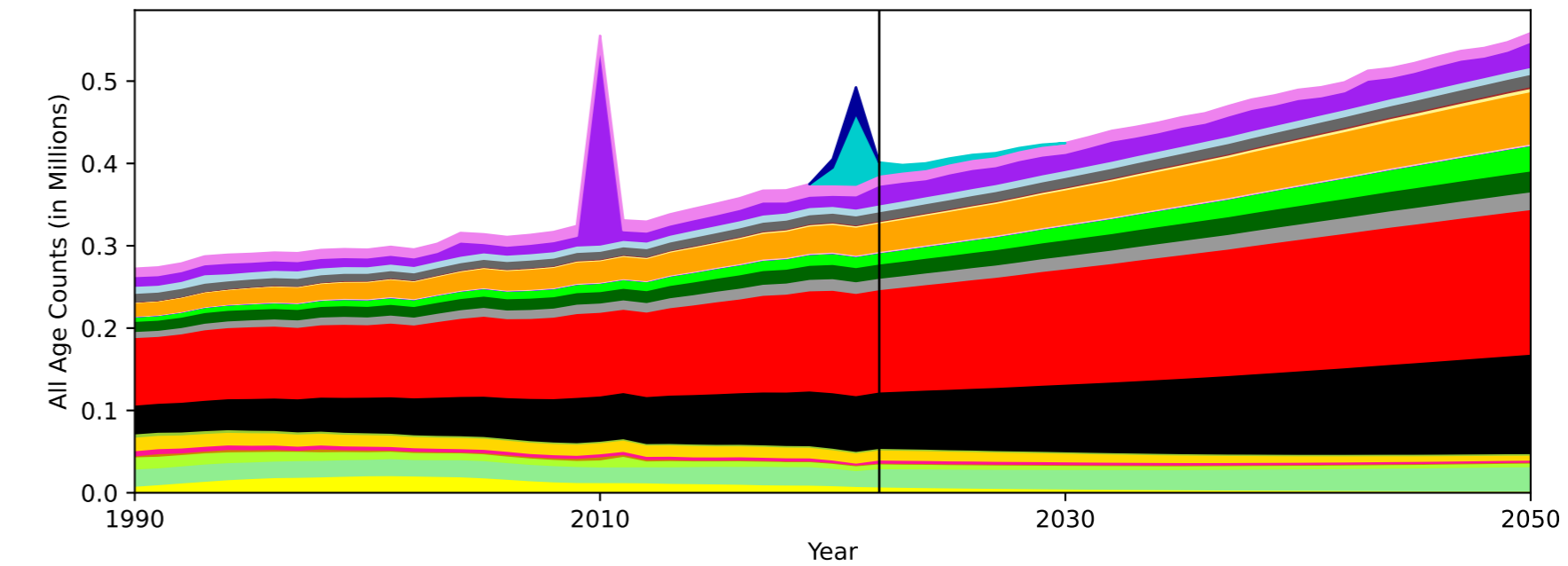
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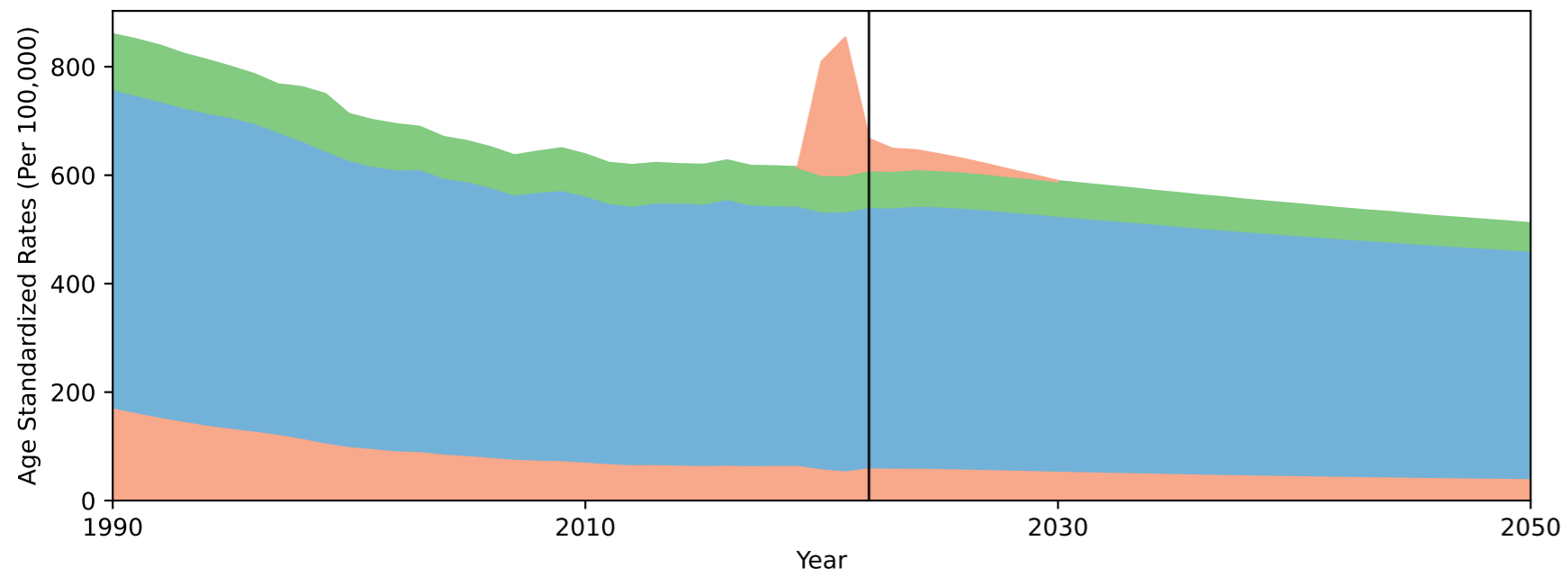
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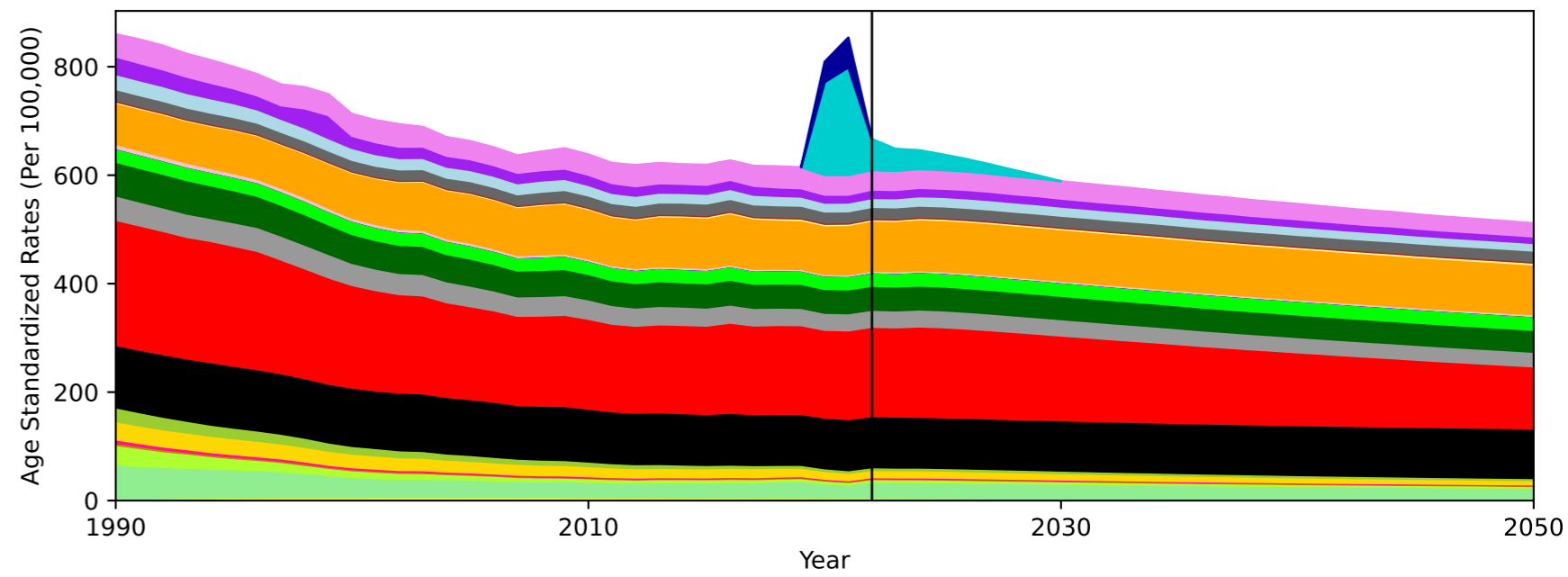
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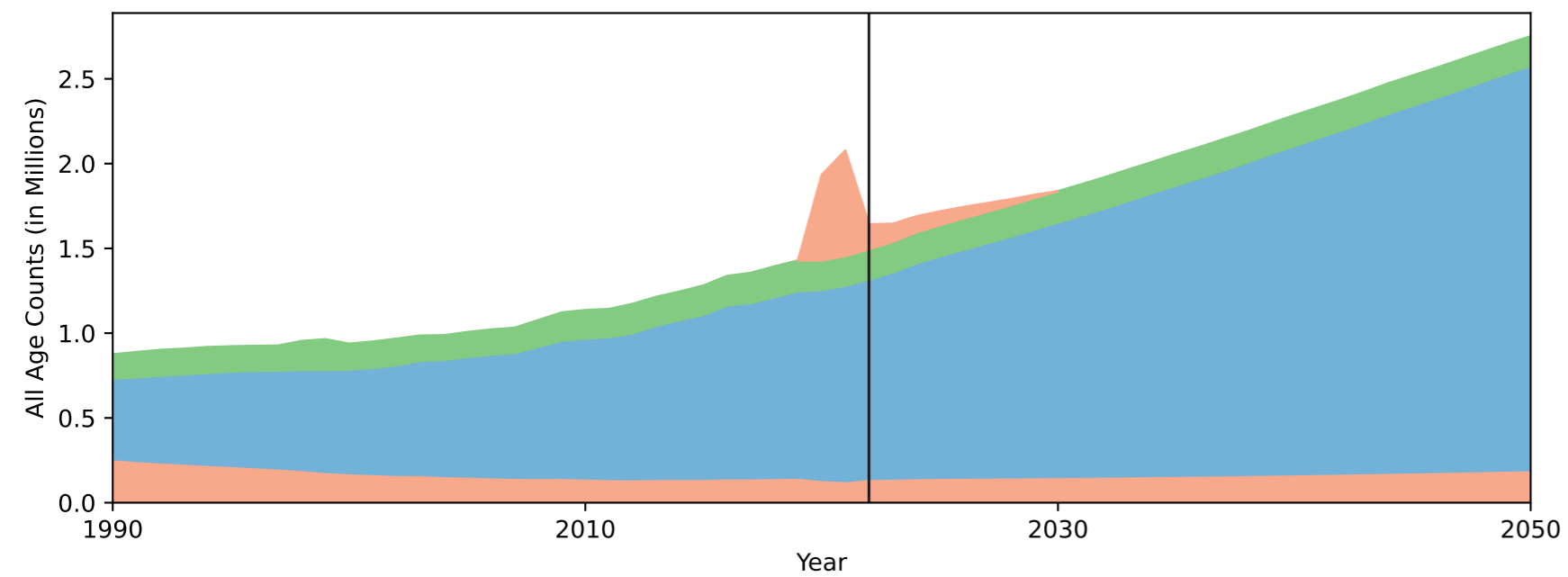
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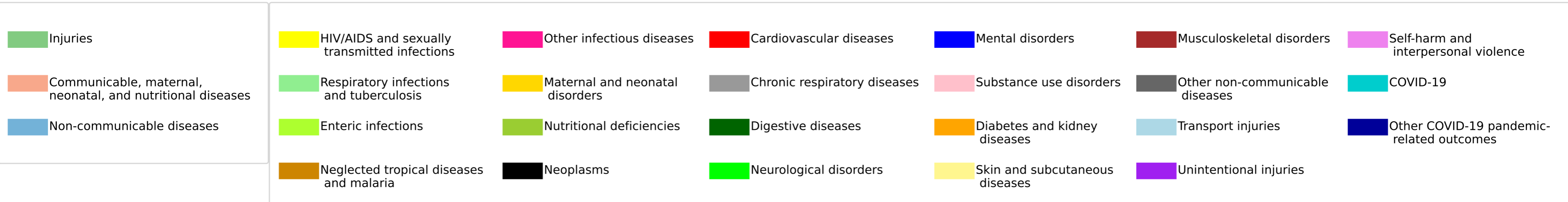
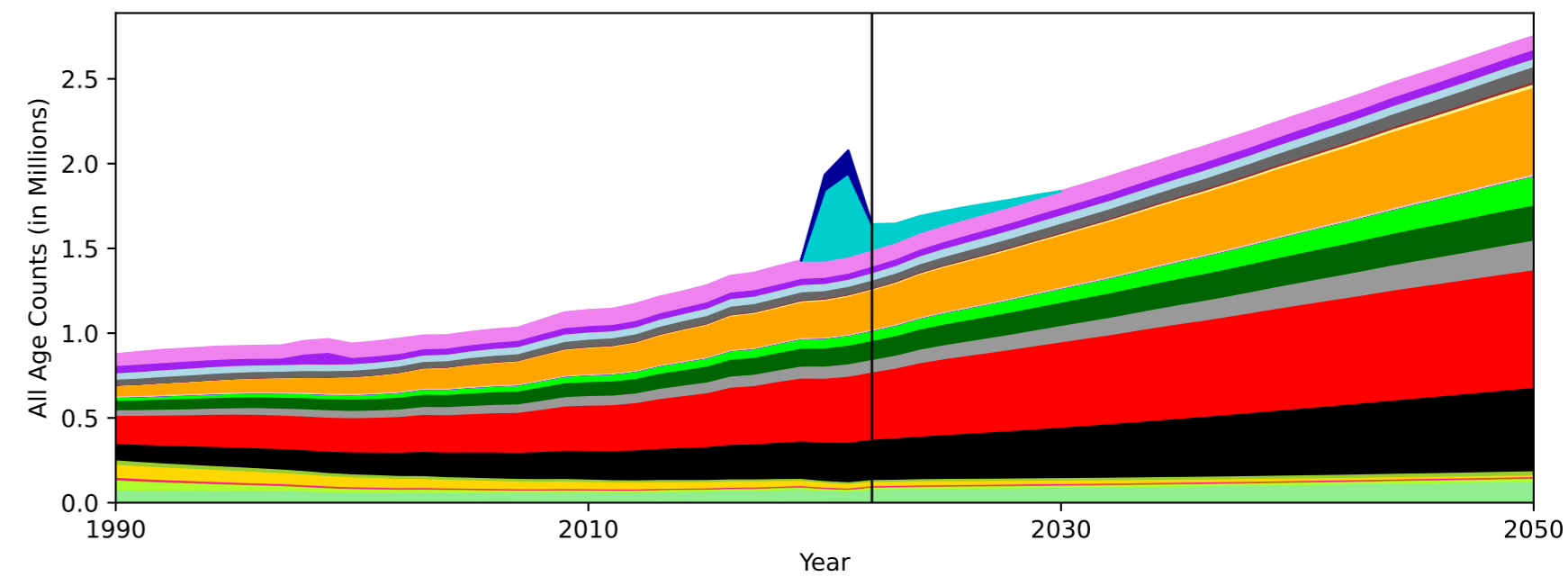
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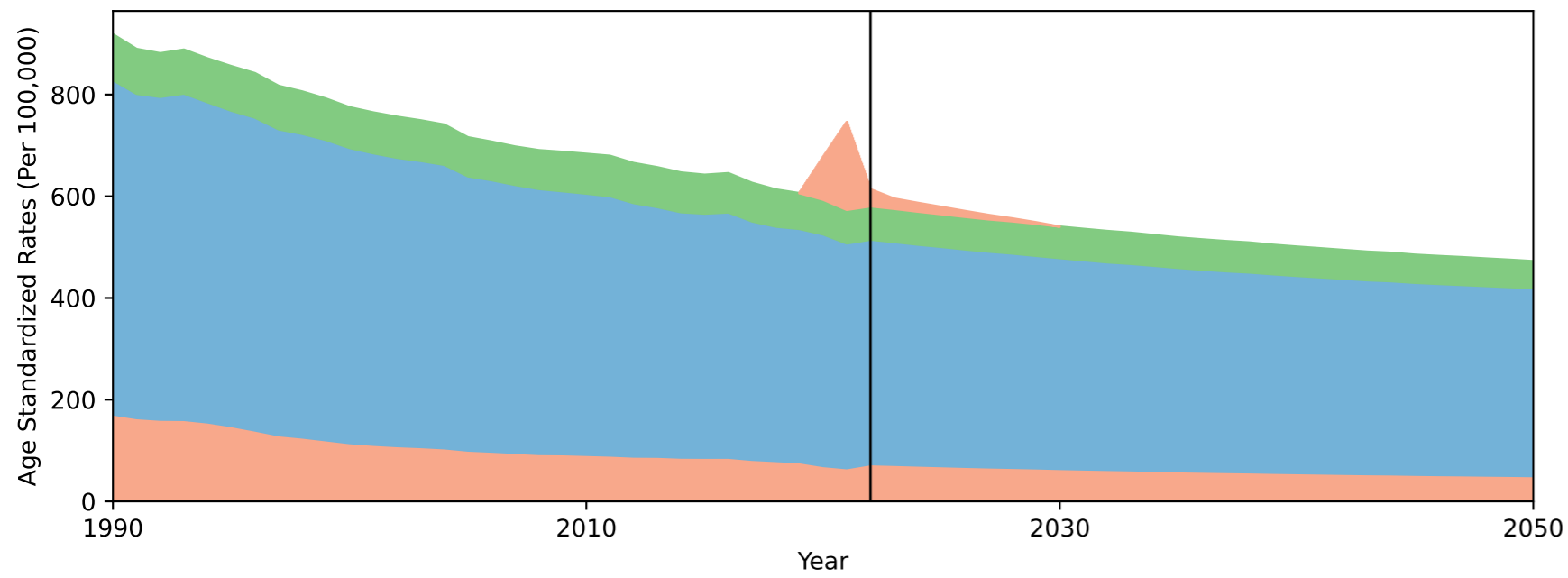


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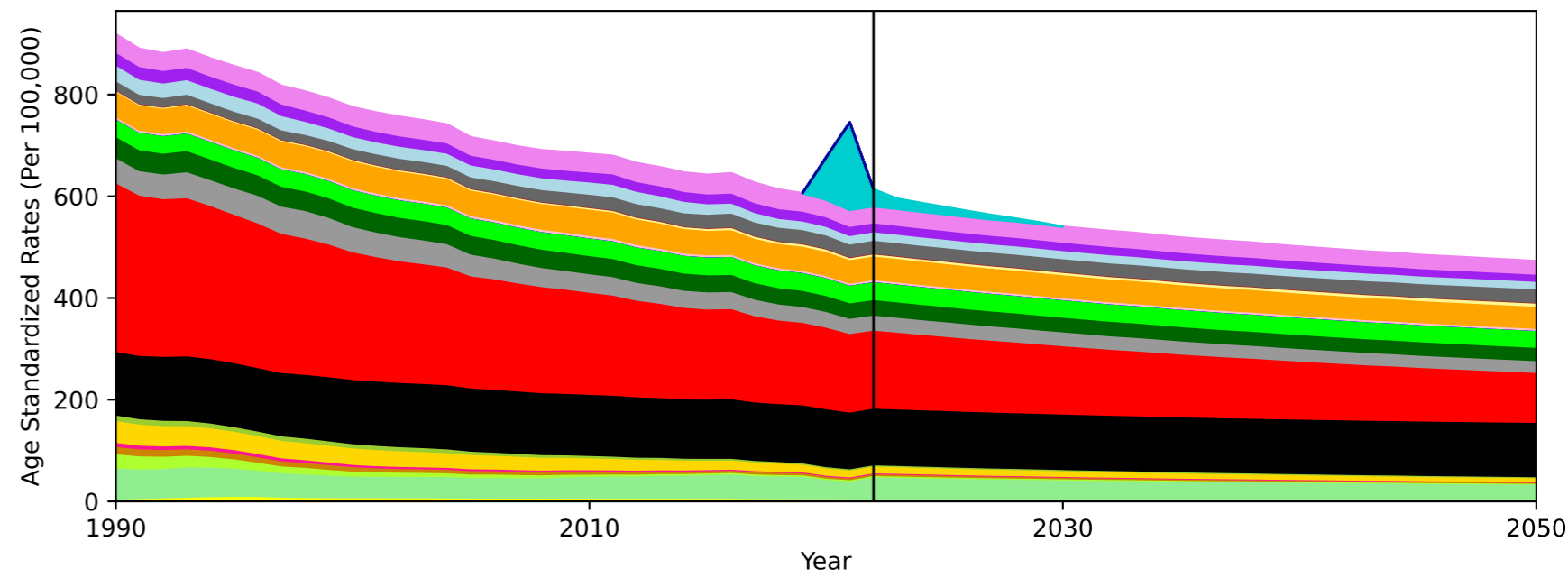


# Tropical Latin America

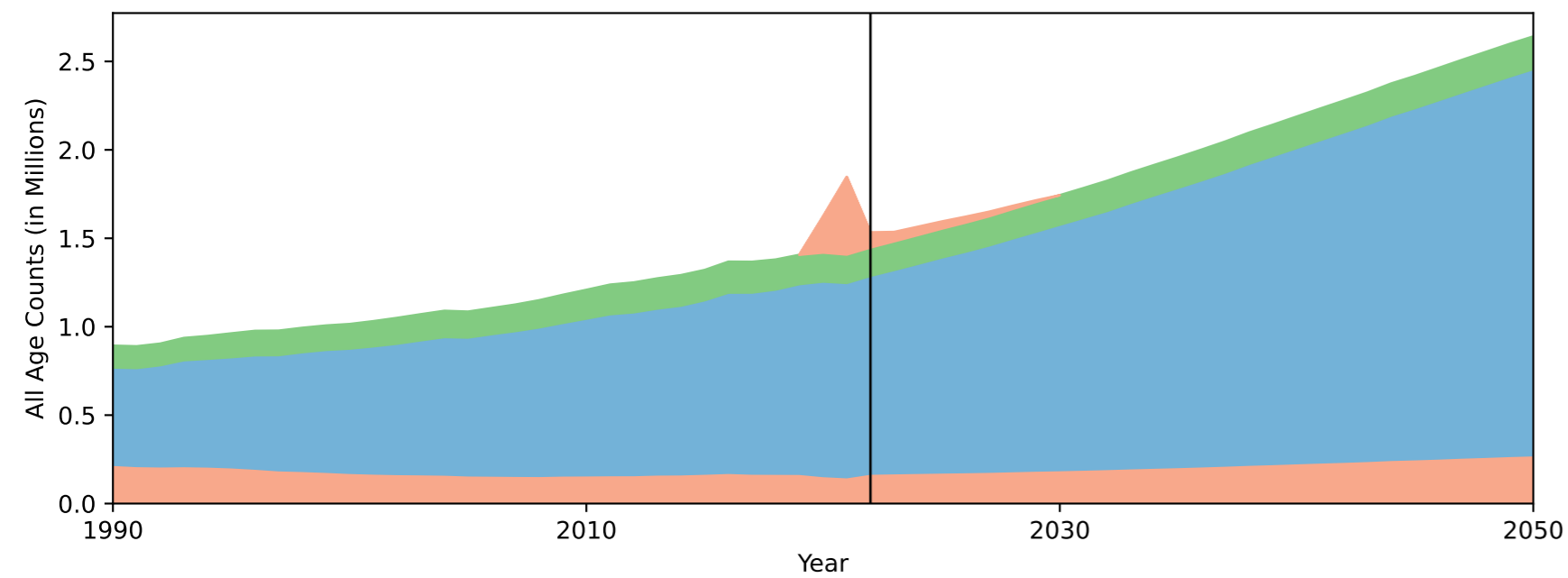
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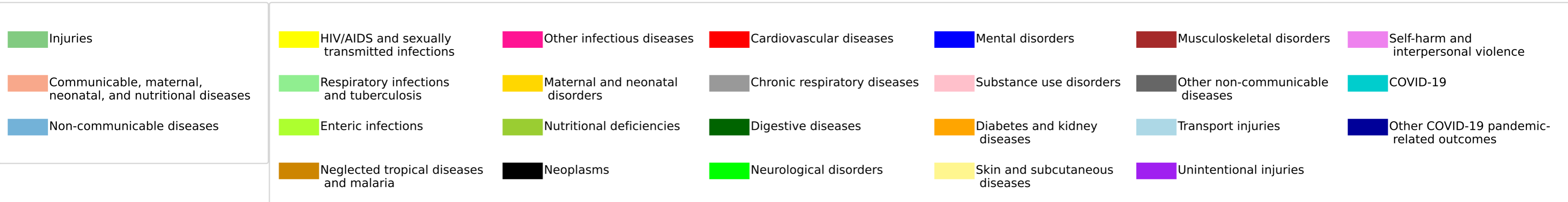
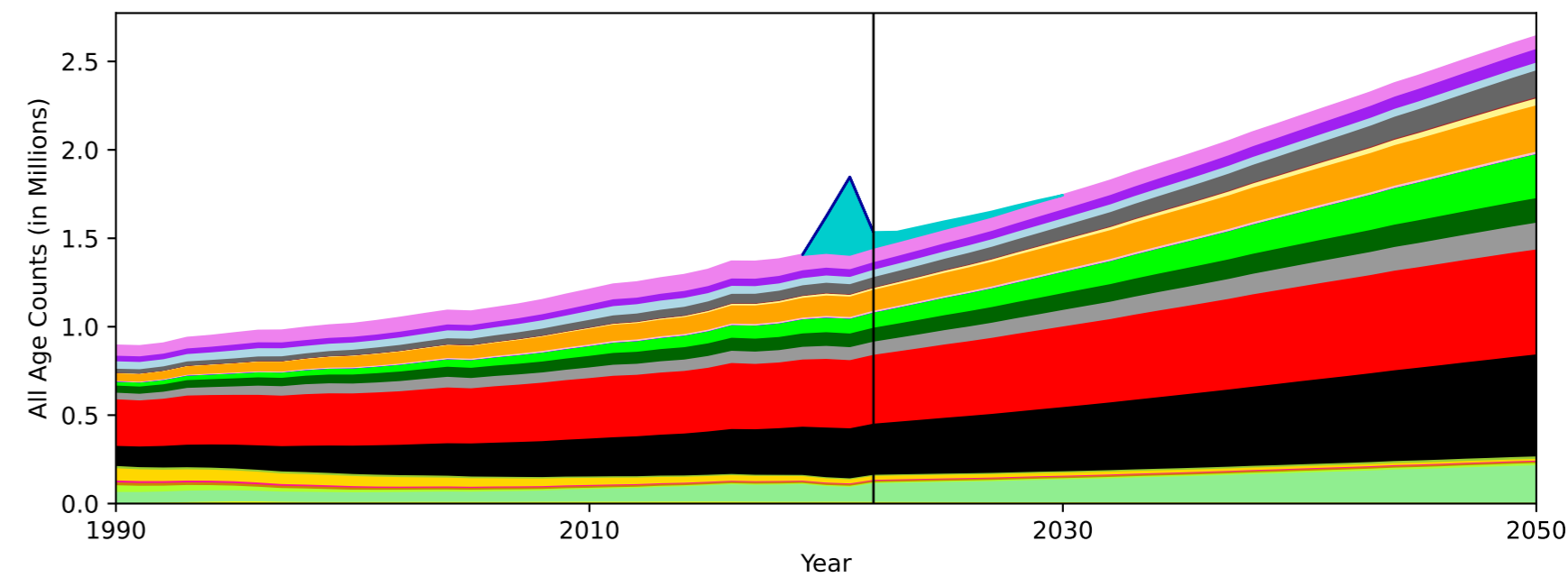
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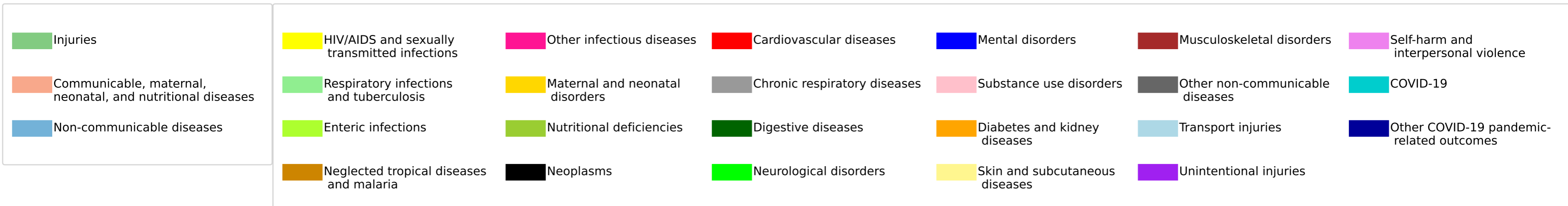
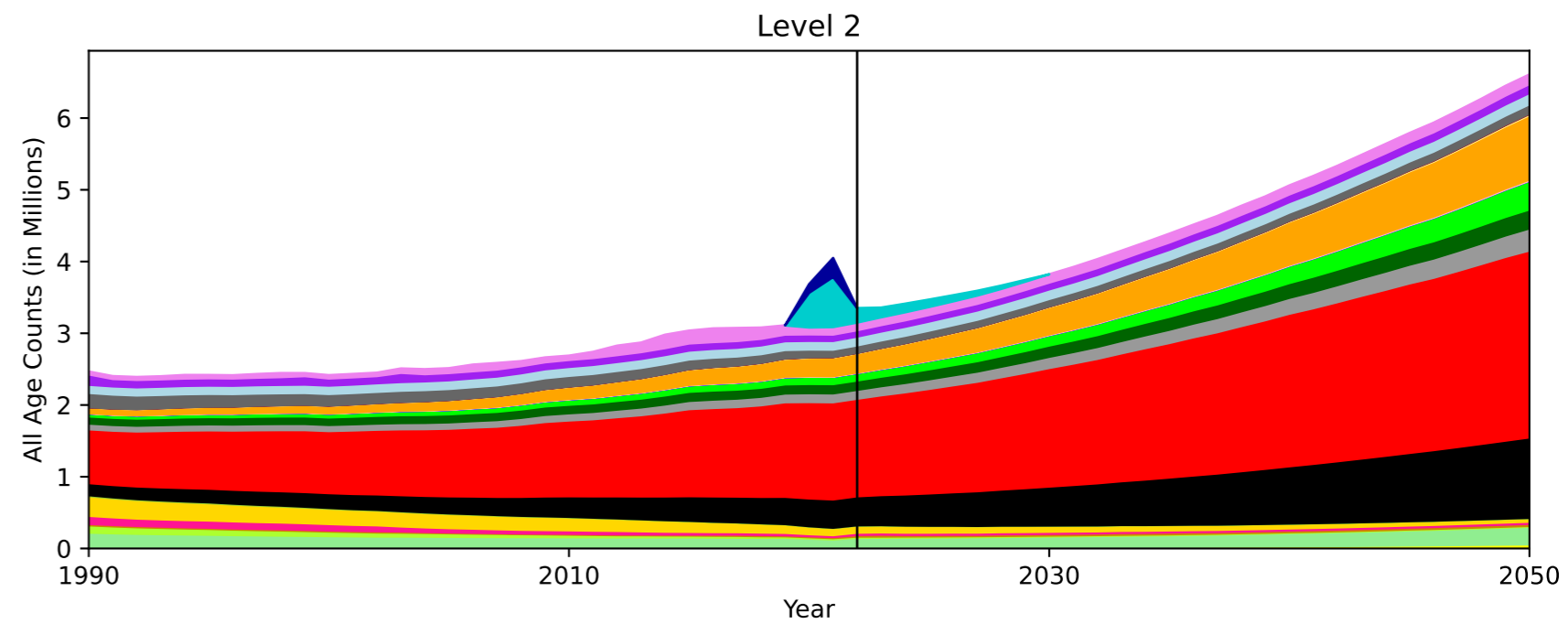
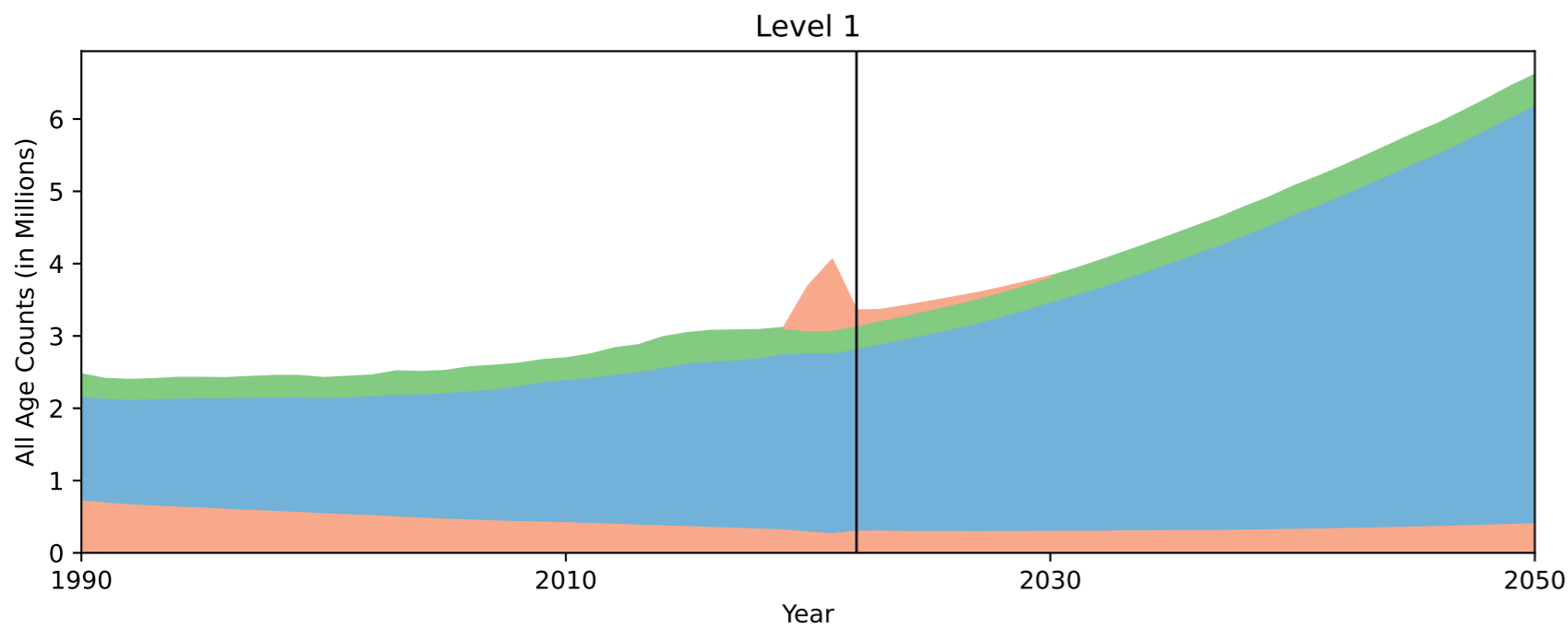
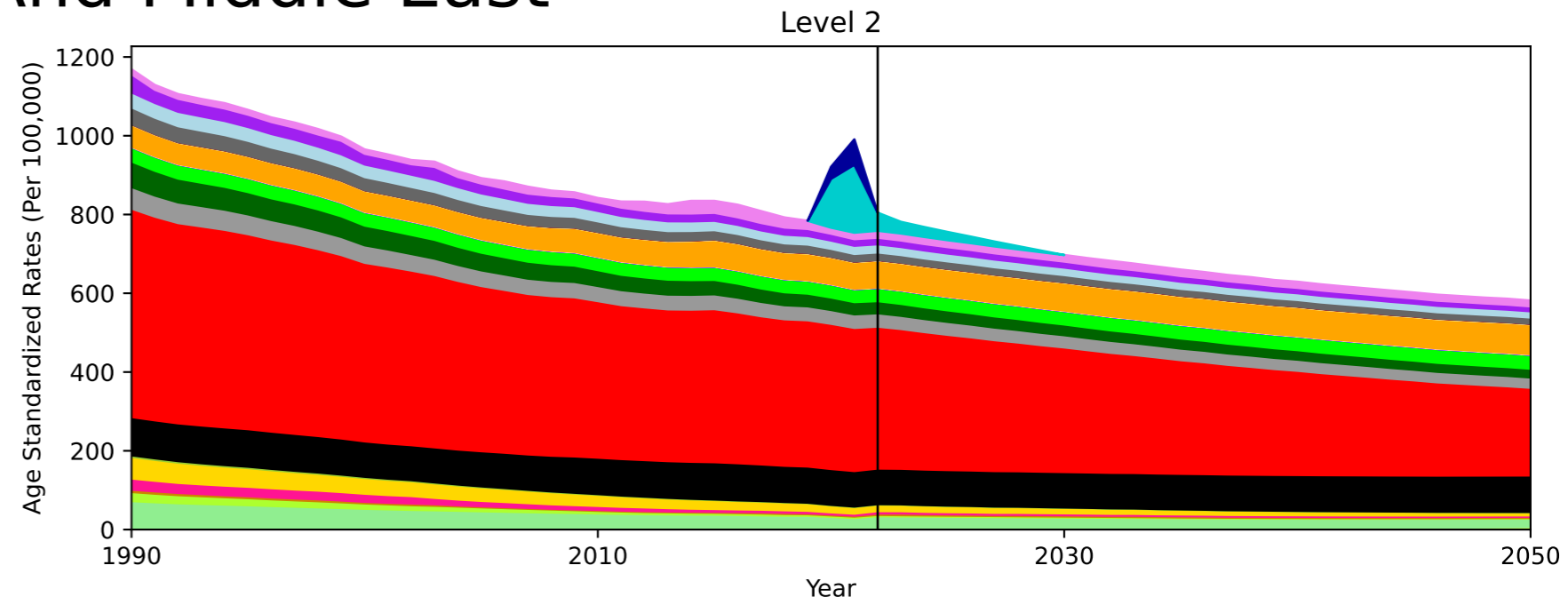
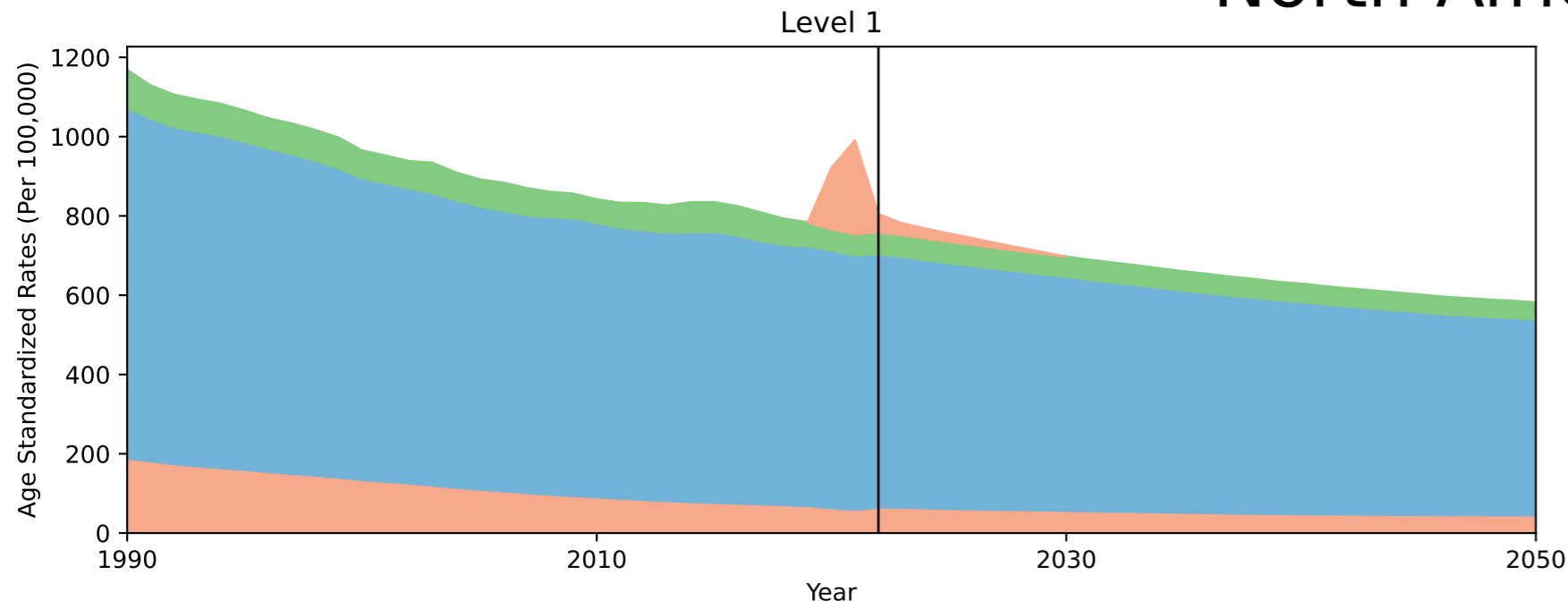
Level 1



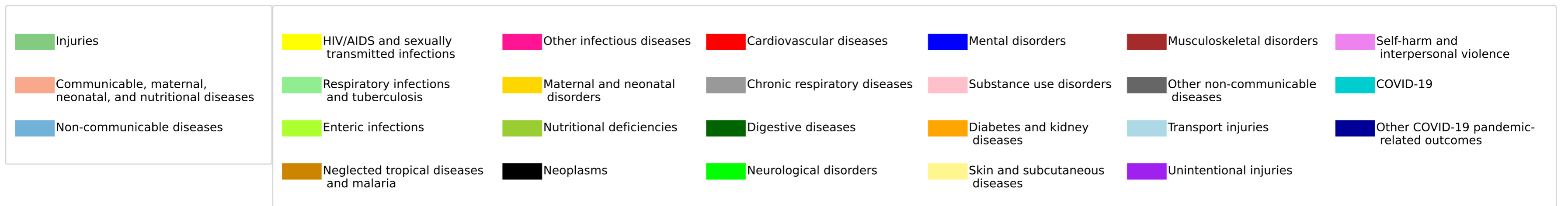
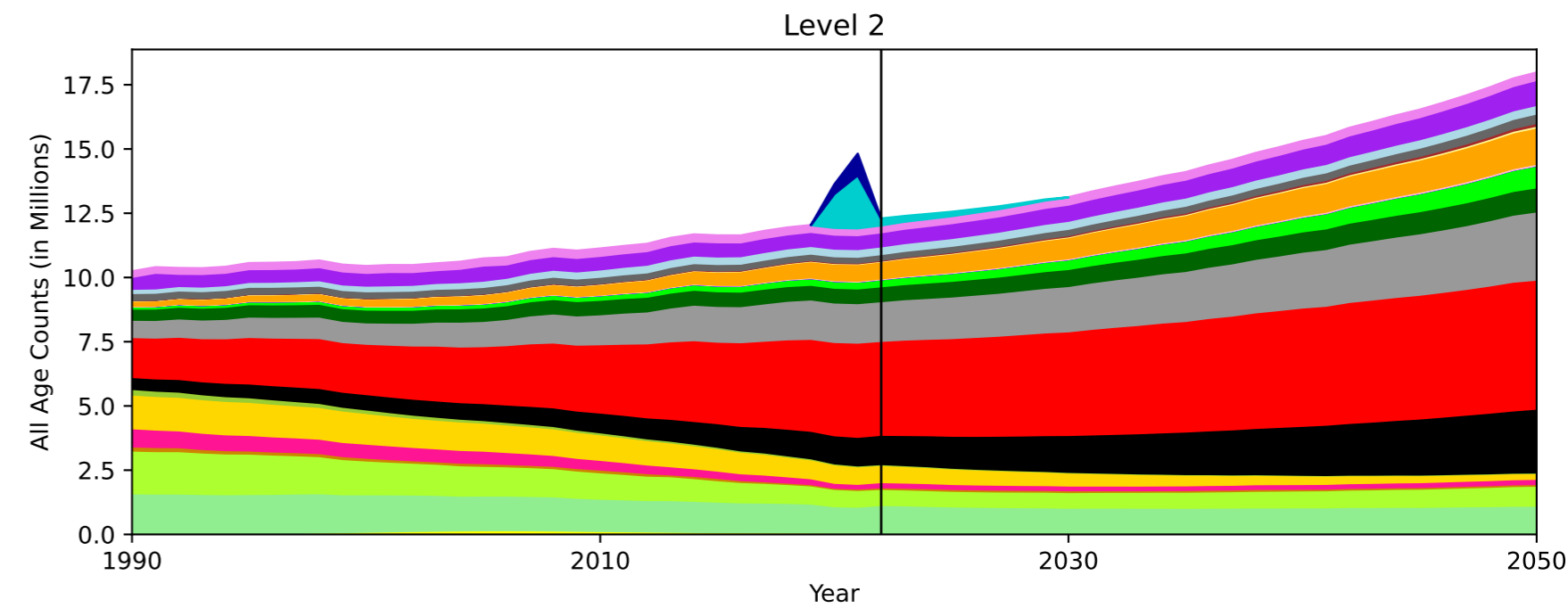
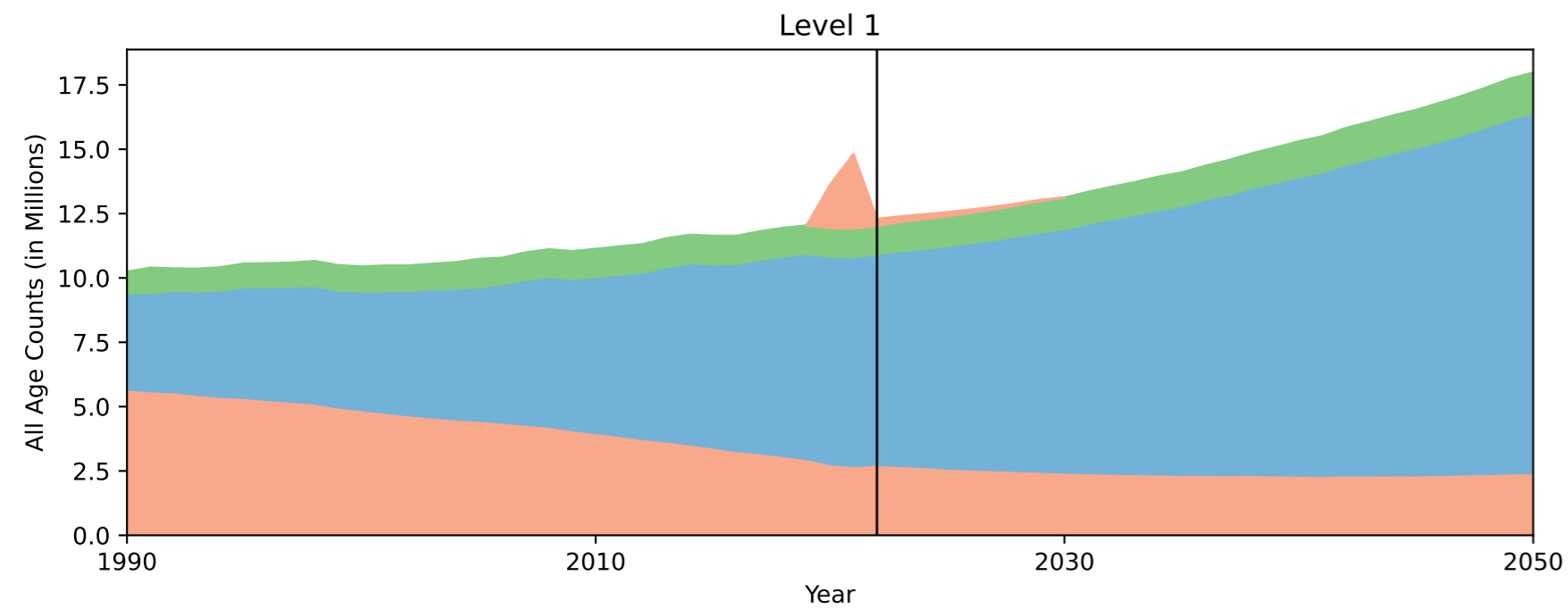
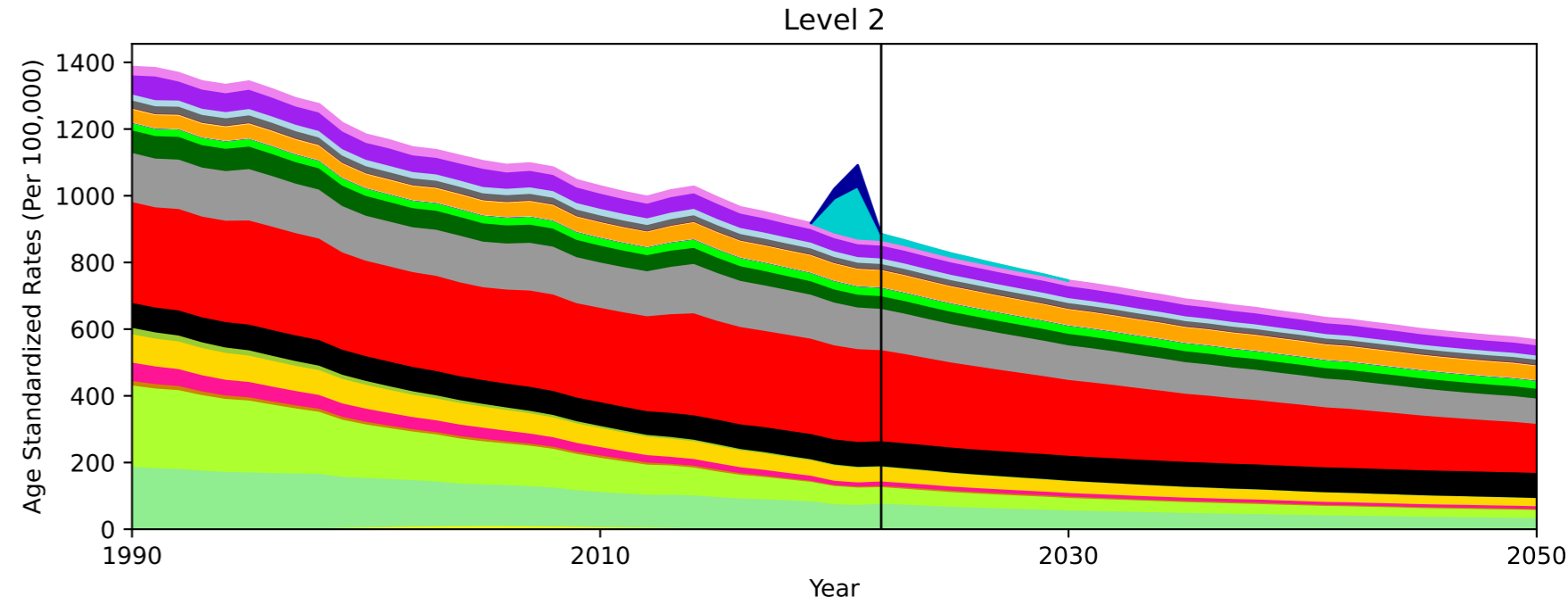
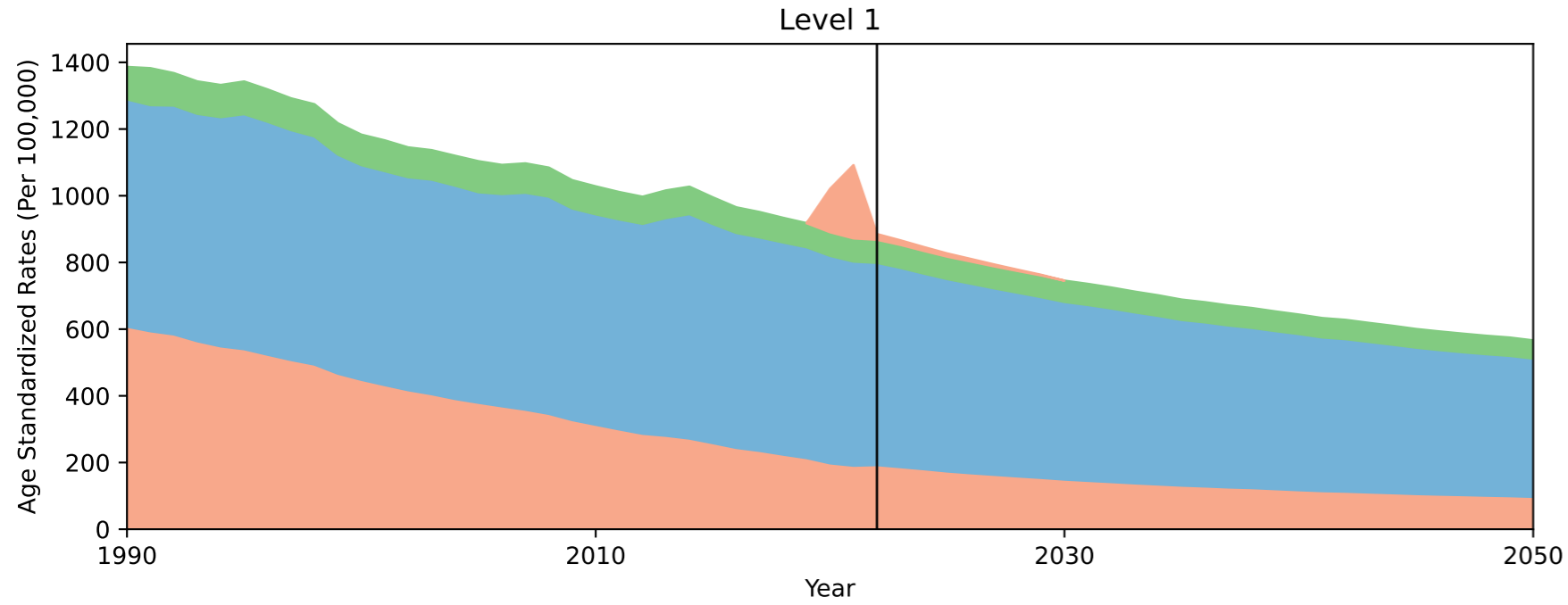
Level 2



# North Africa And Middle East



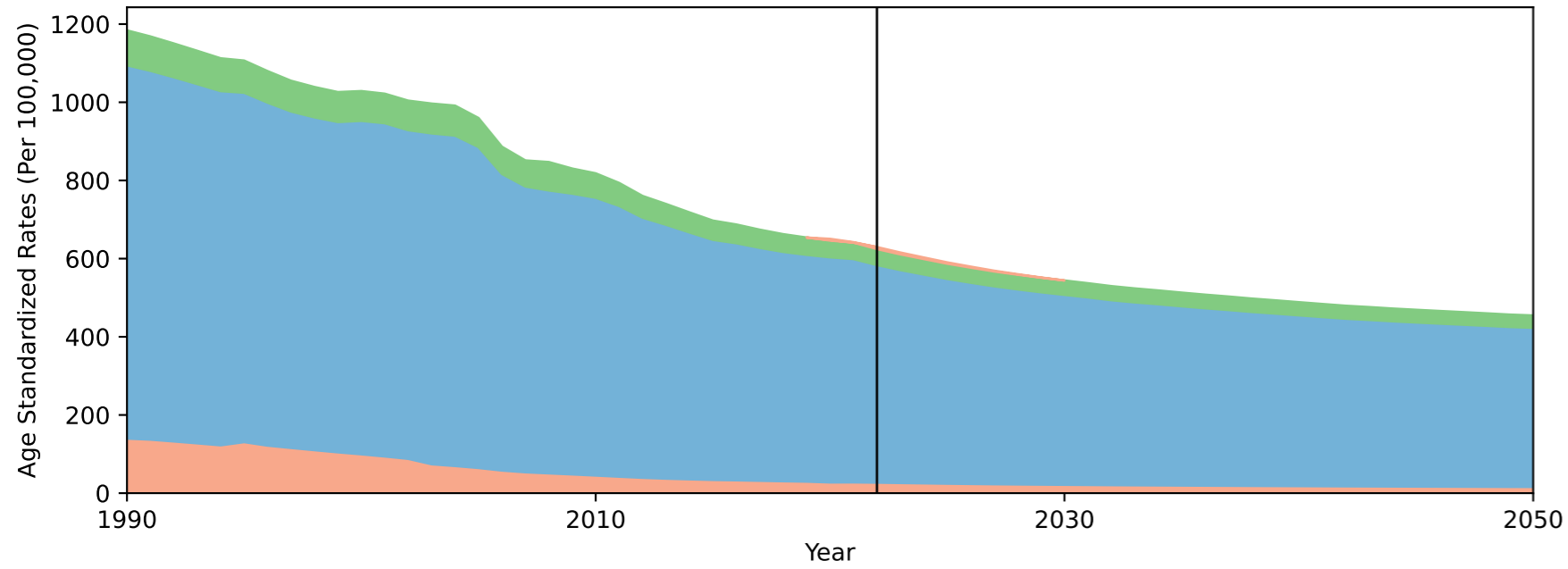
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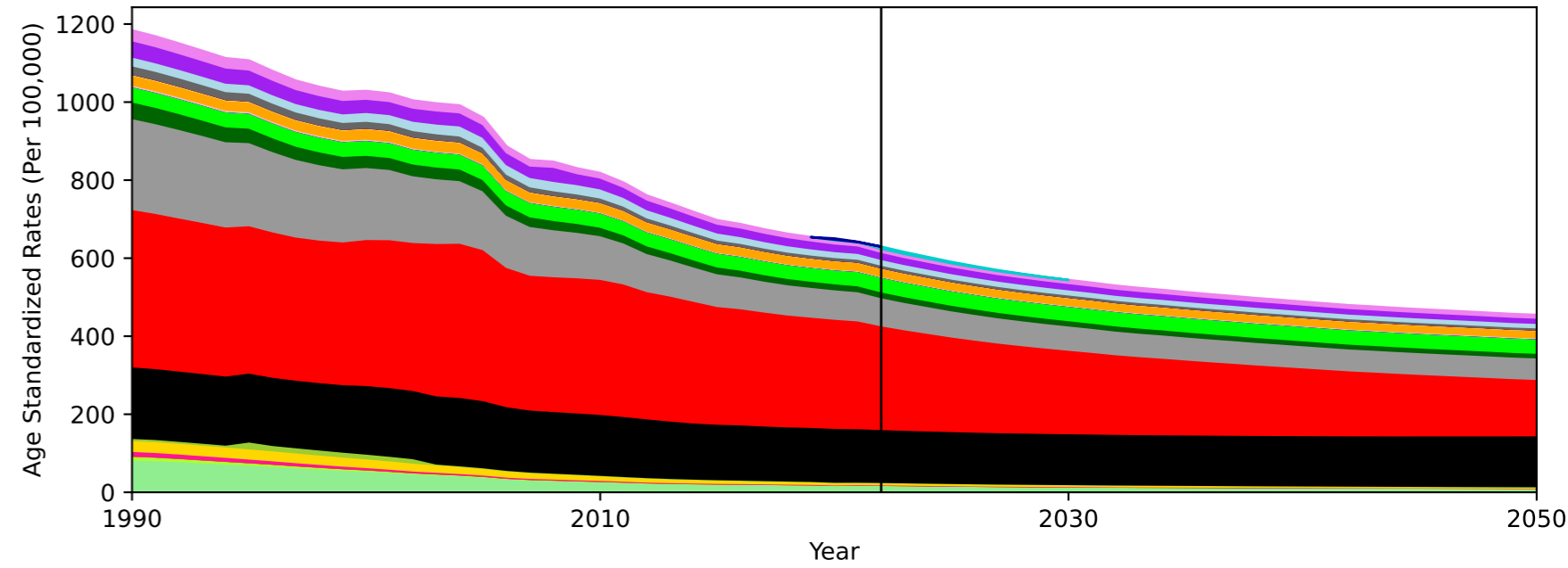


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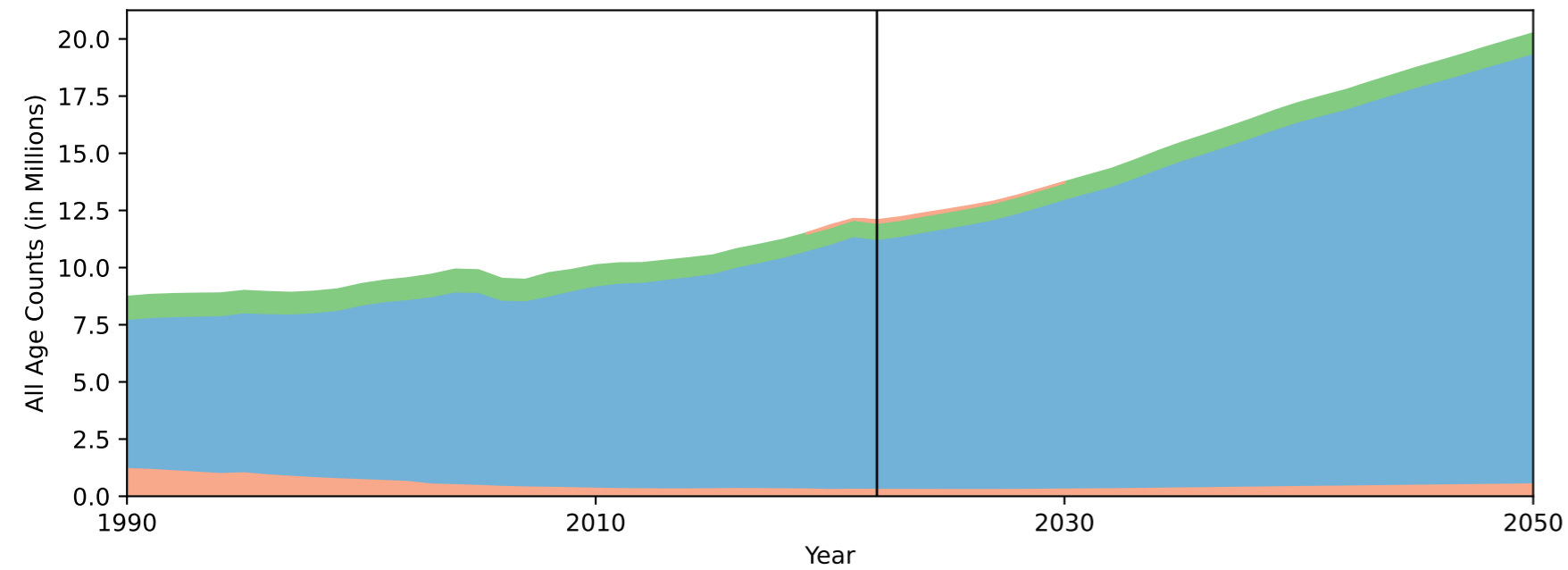
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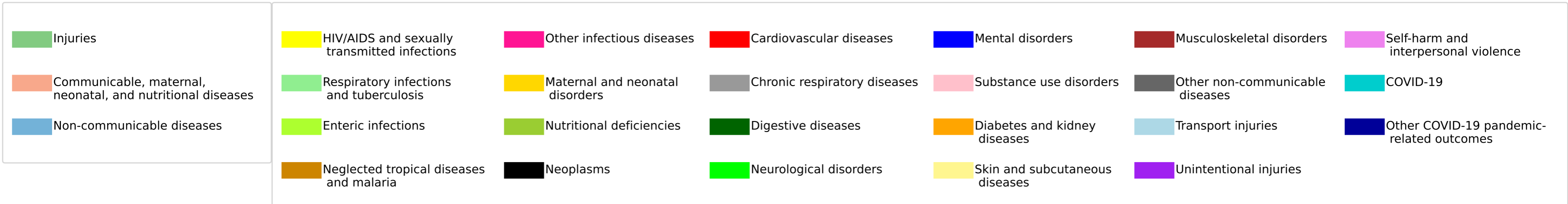
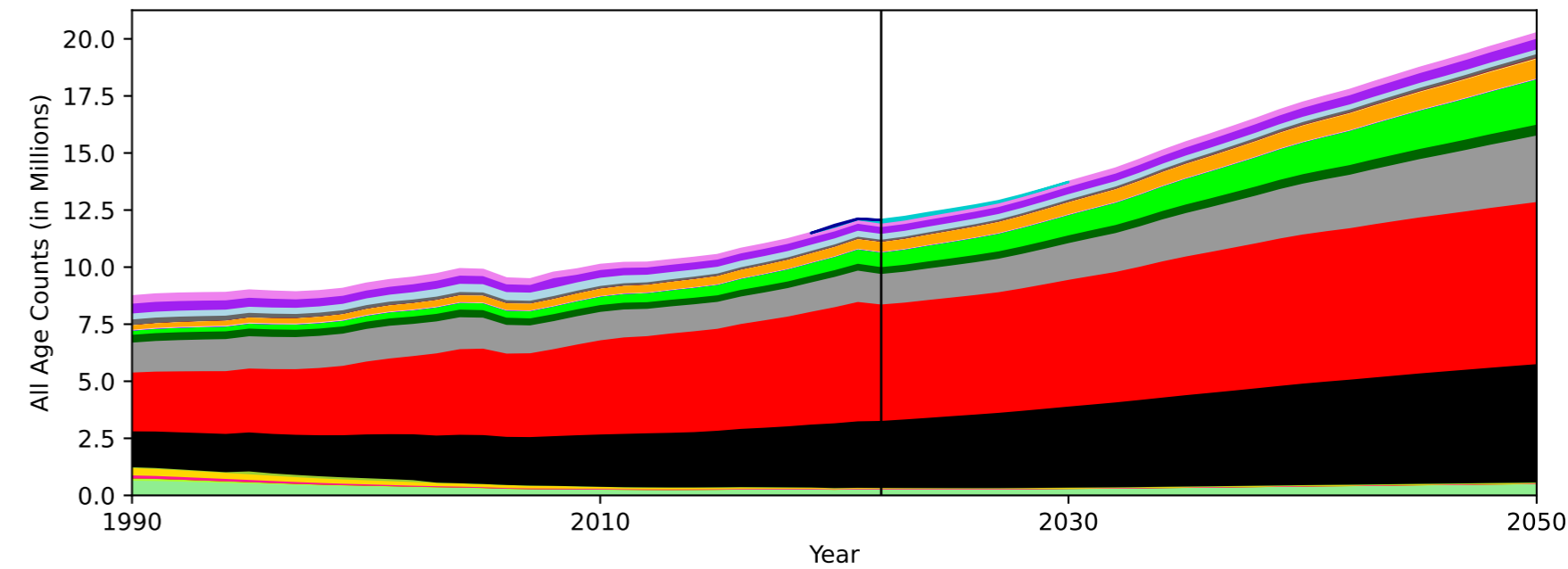
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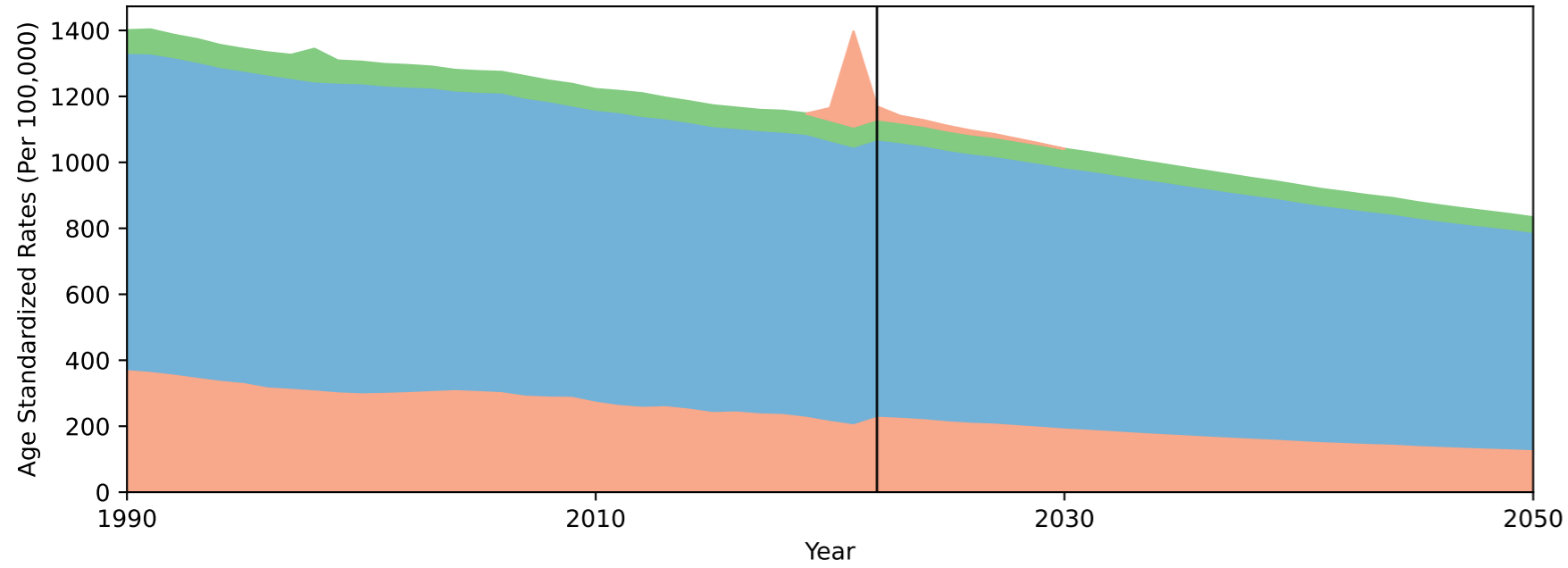
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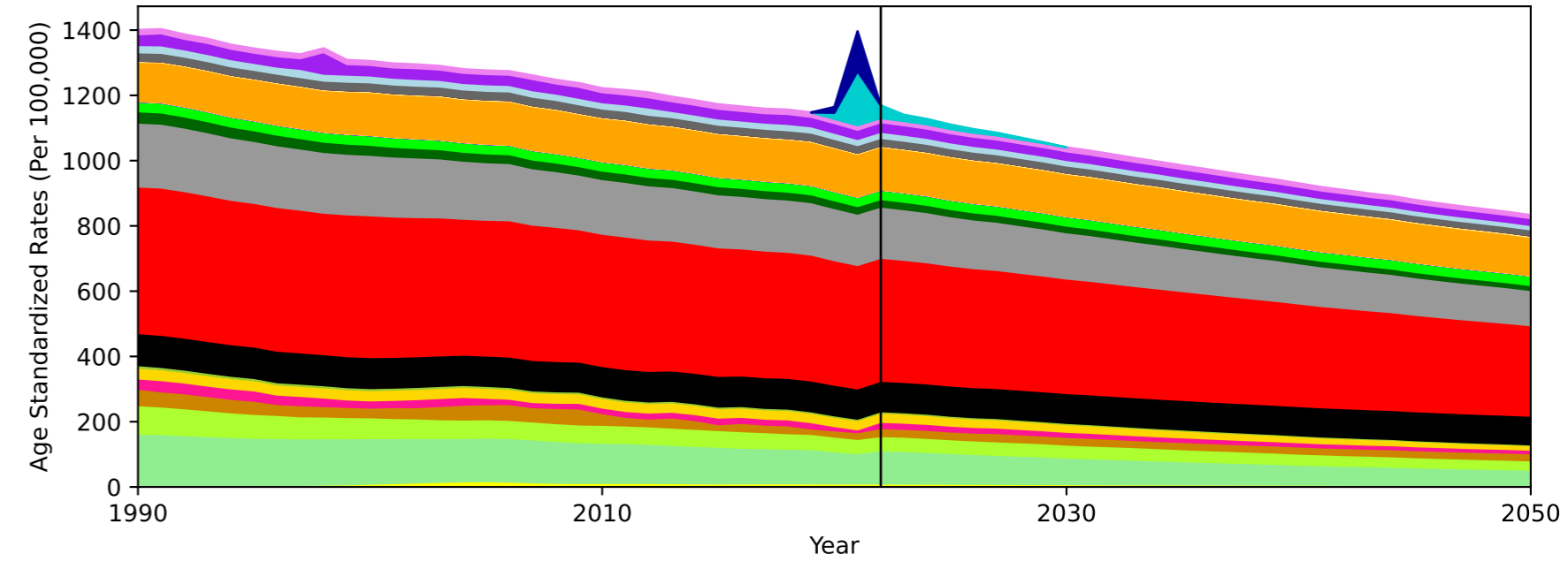
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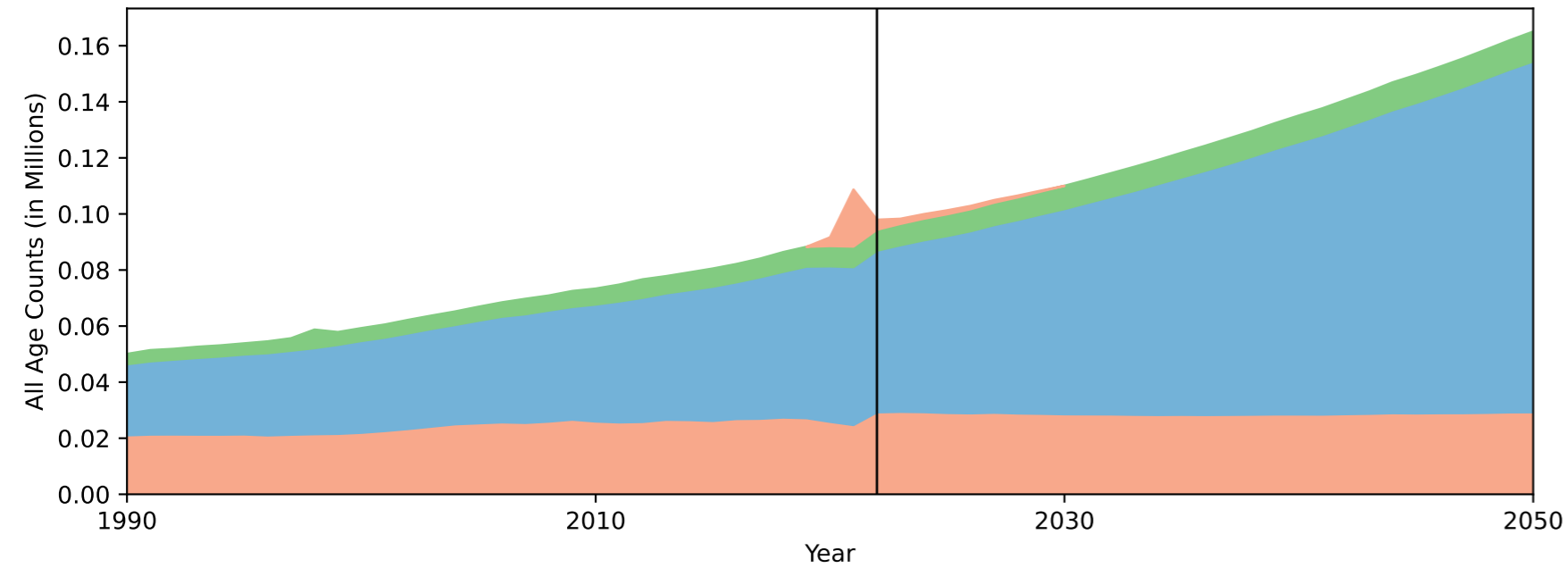
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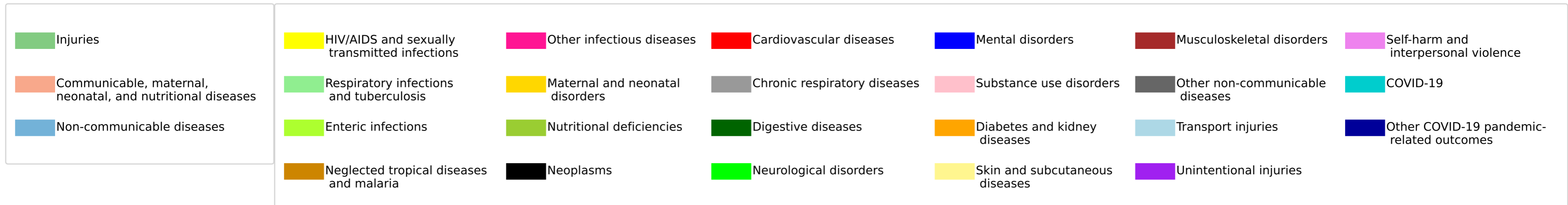
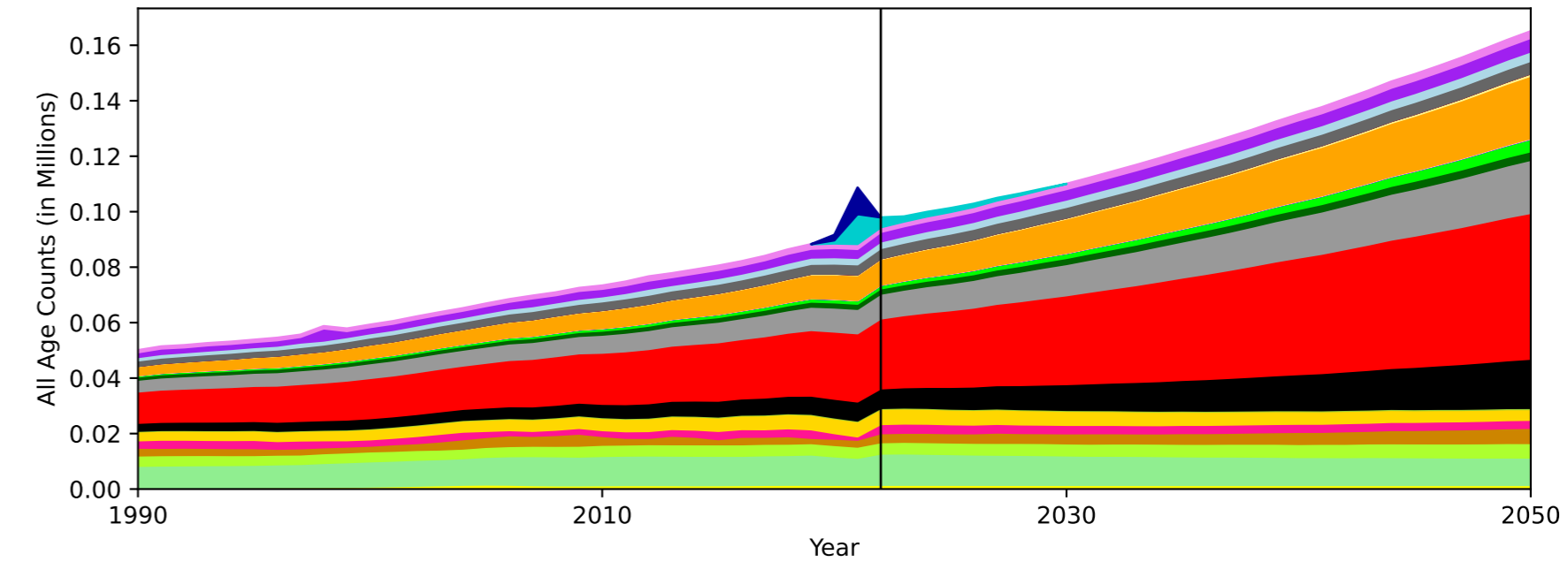
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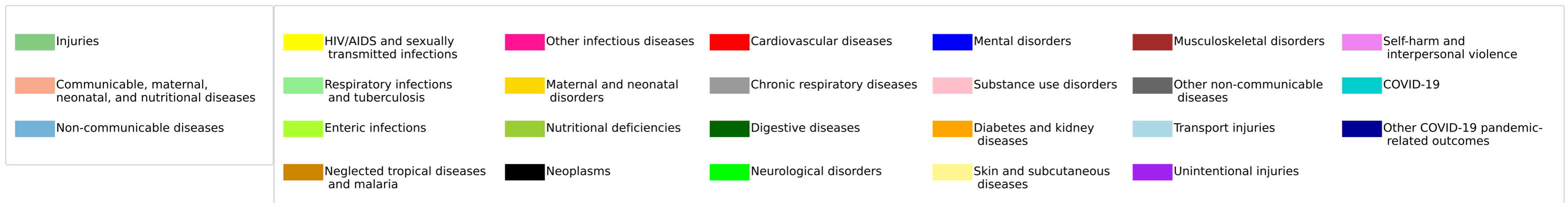
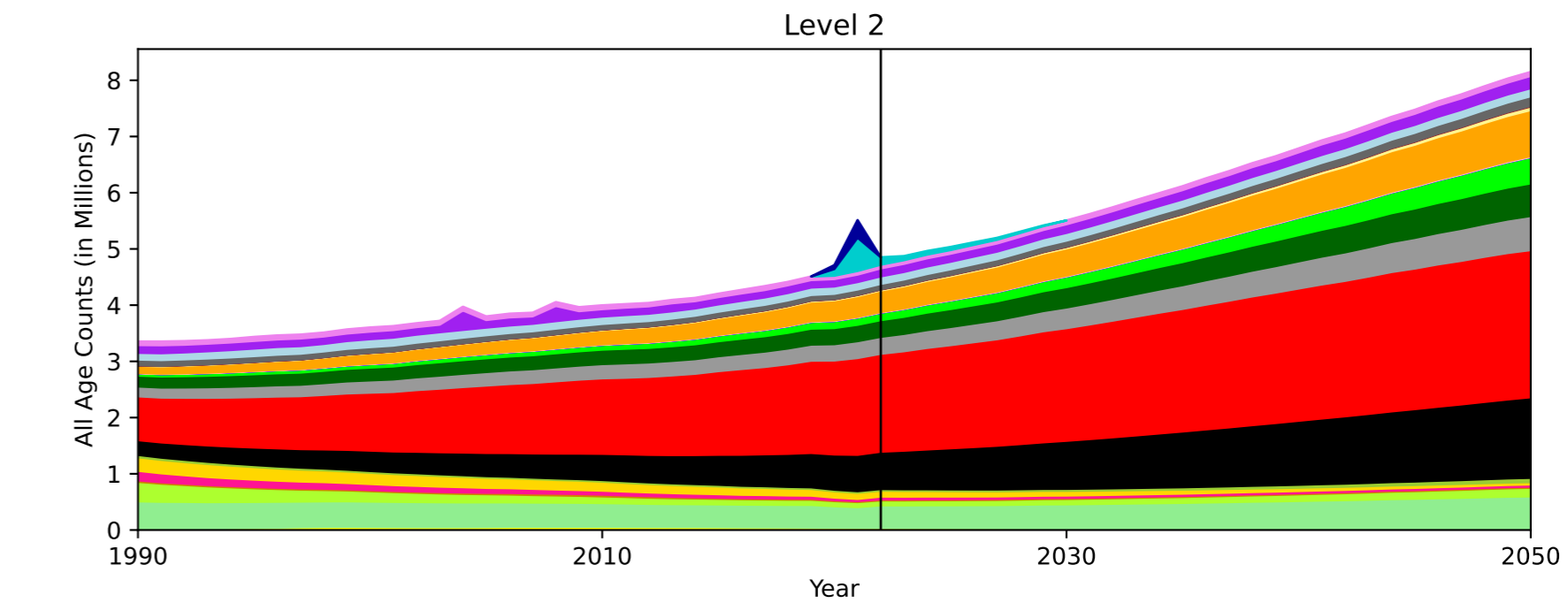
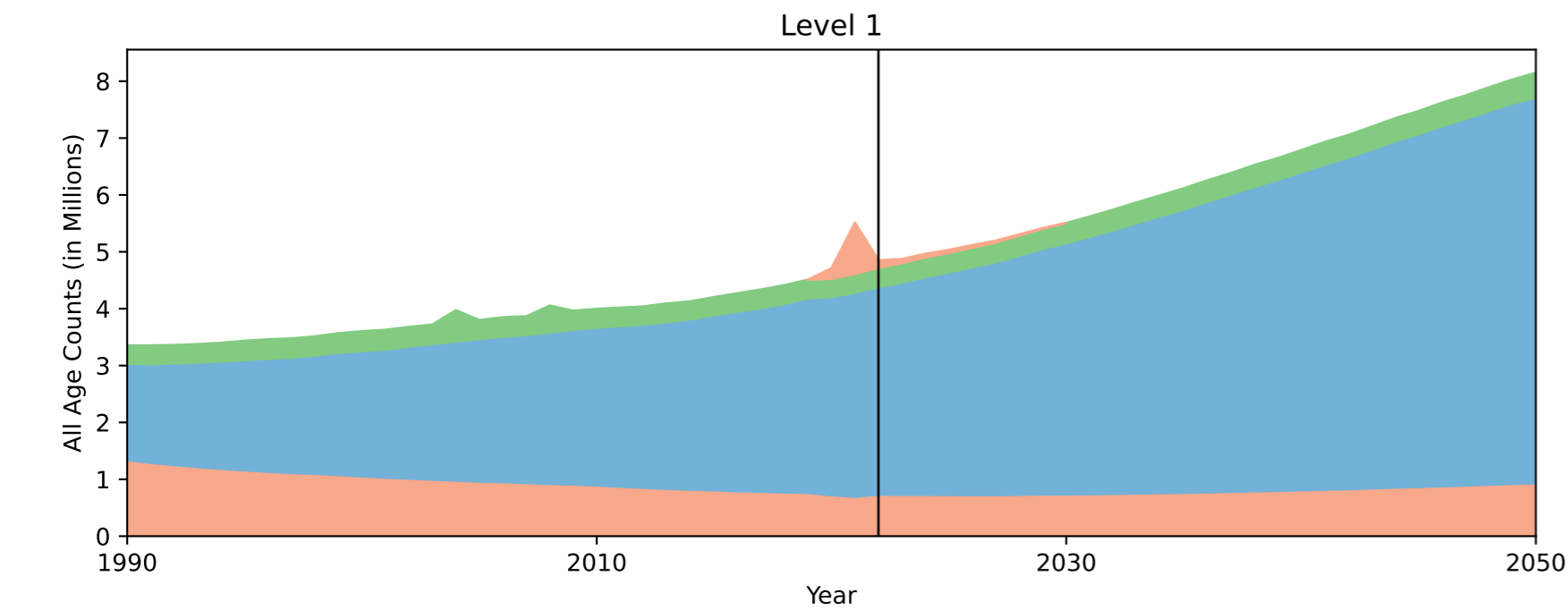
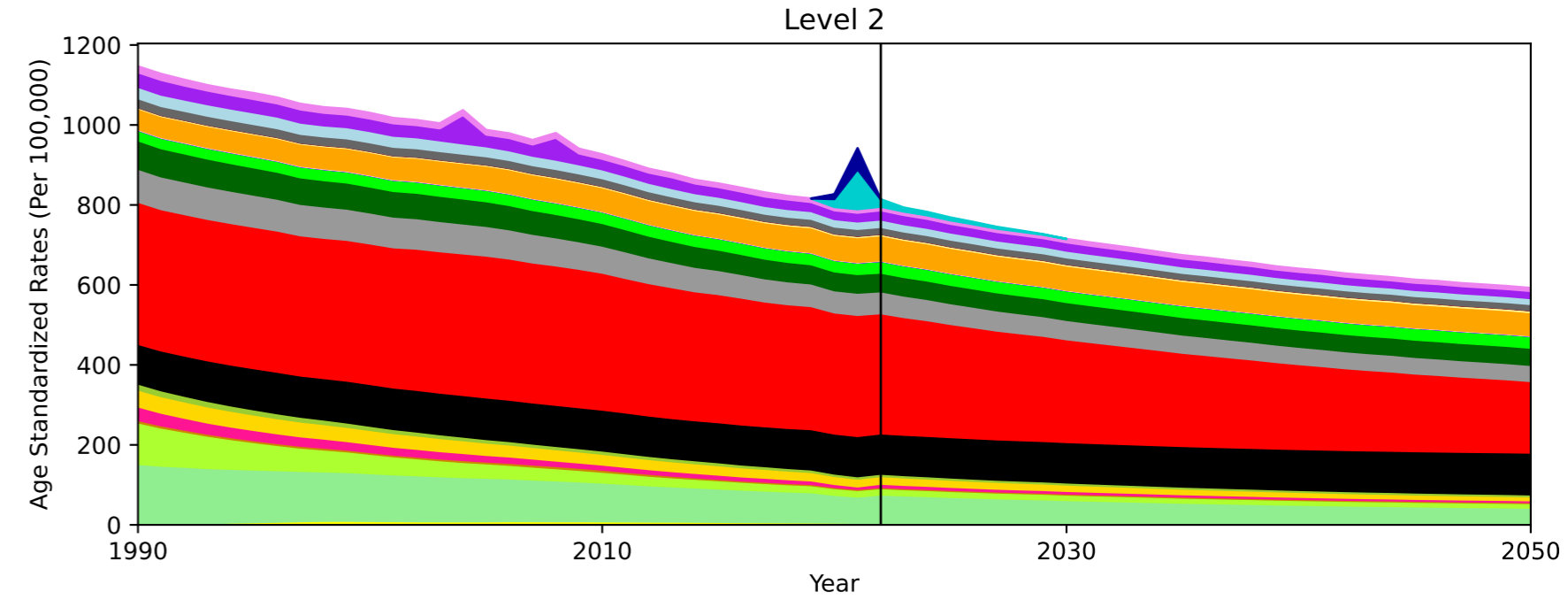
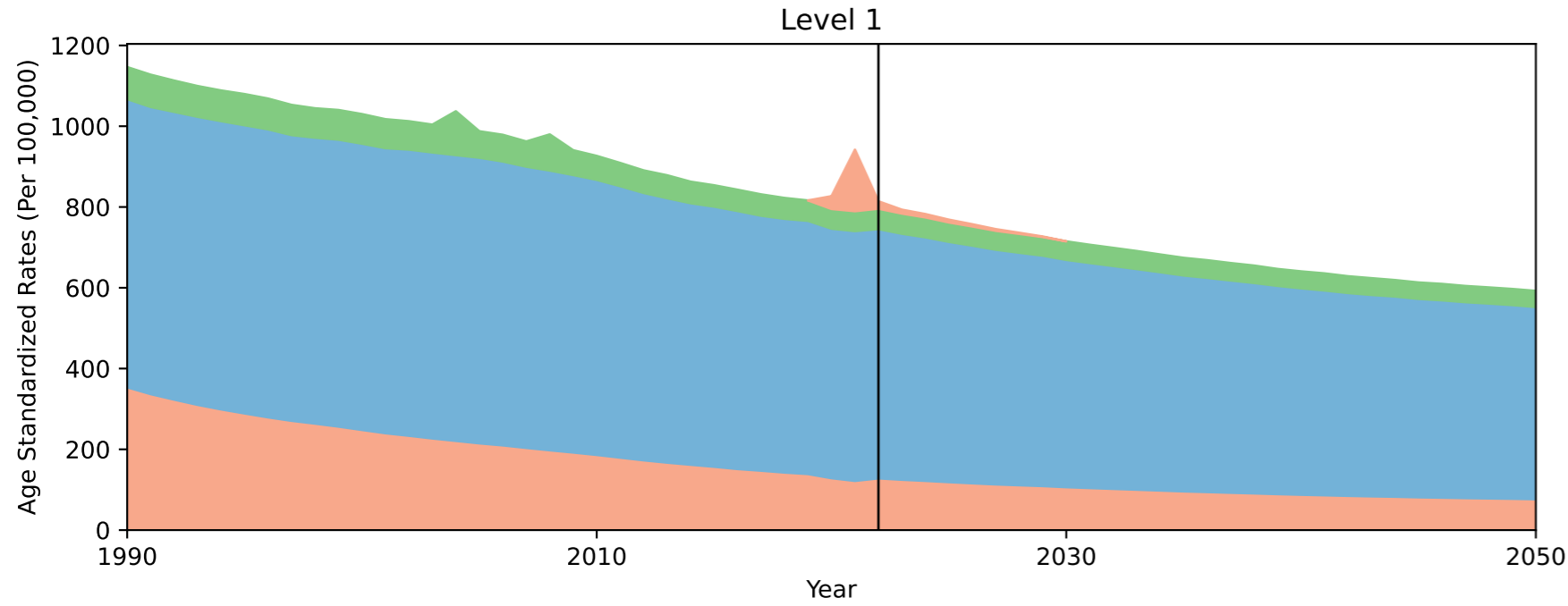
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Level 2

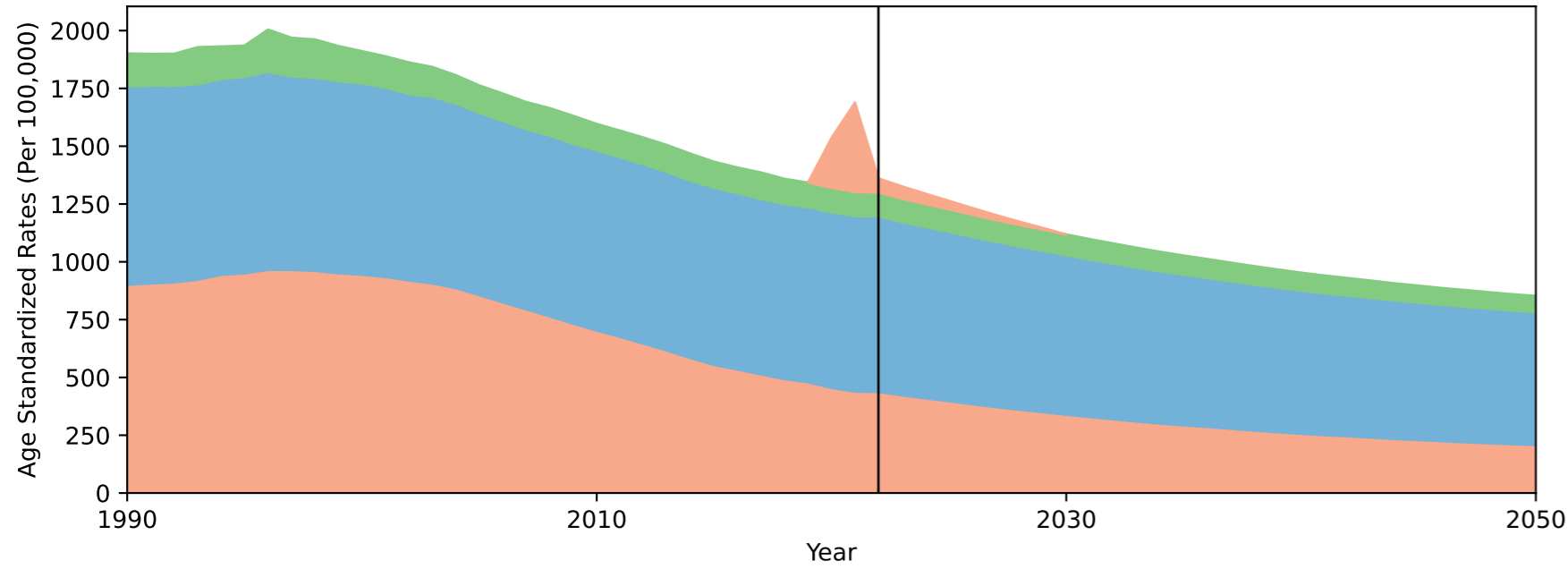


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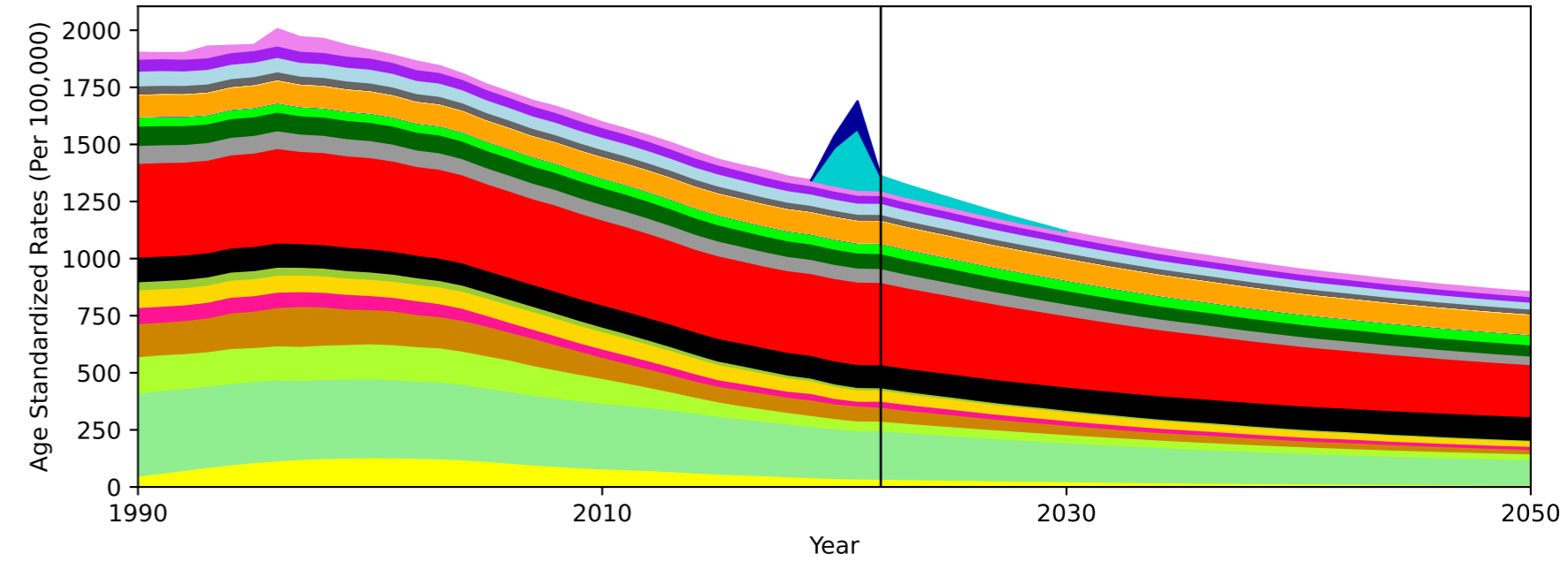


# Central Sub-Saharan Africa

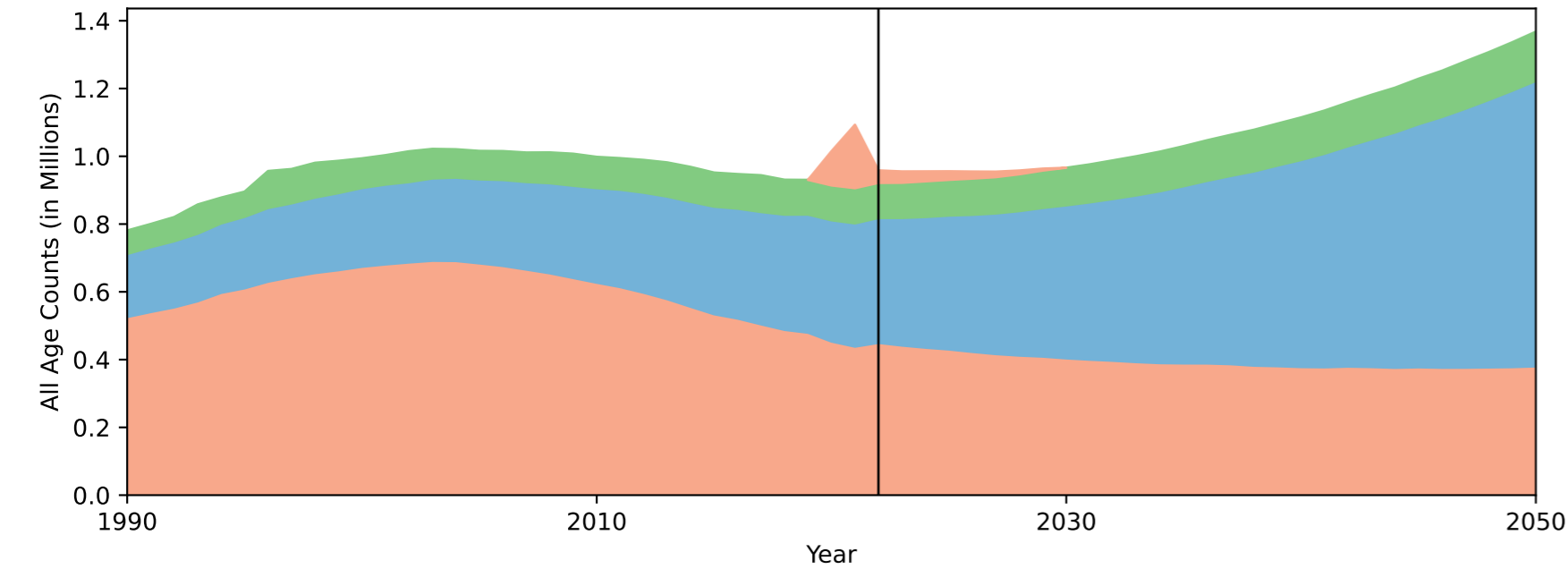
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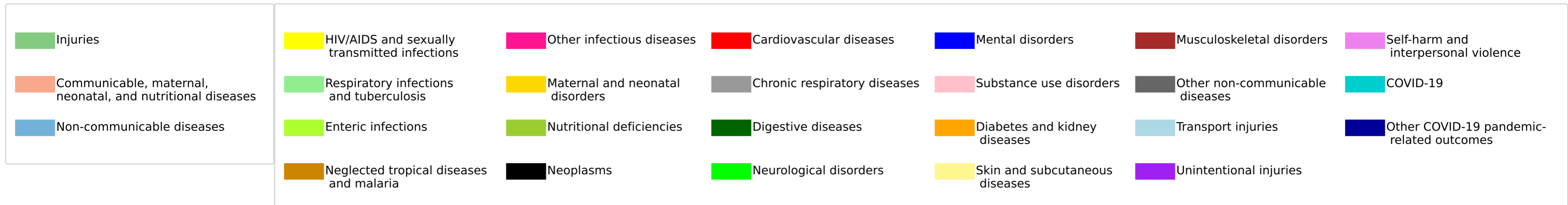
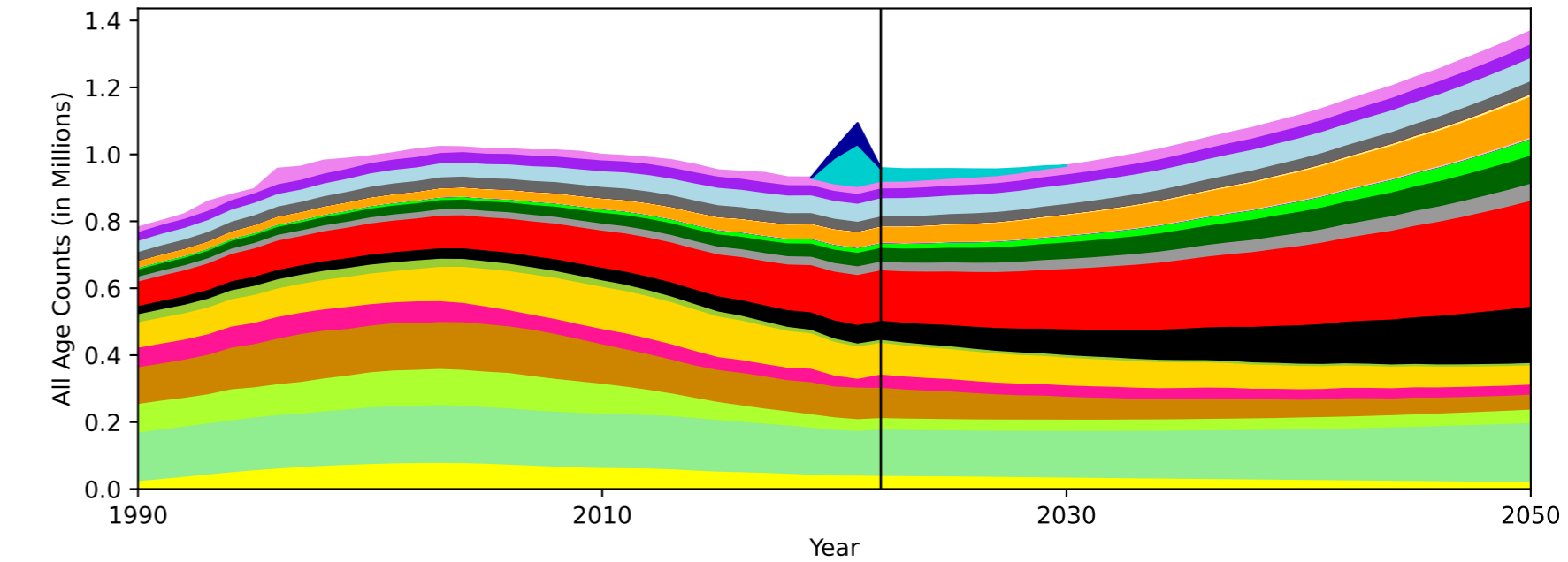
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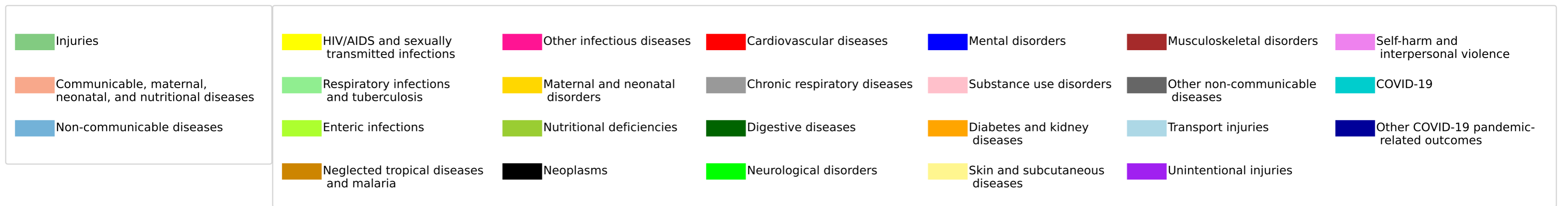
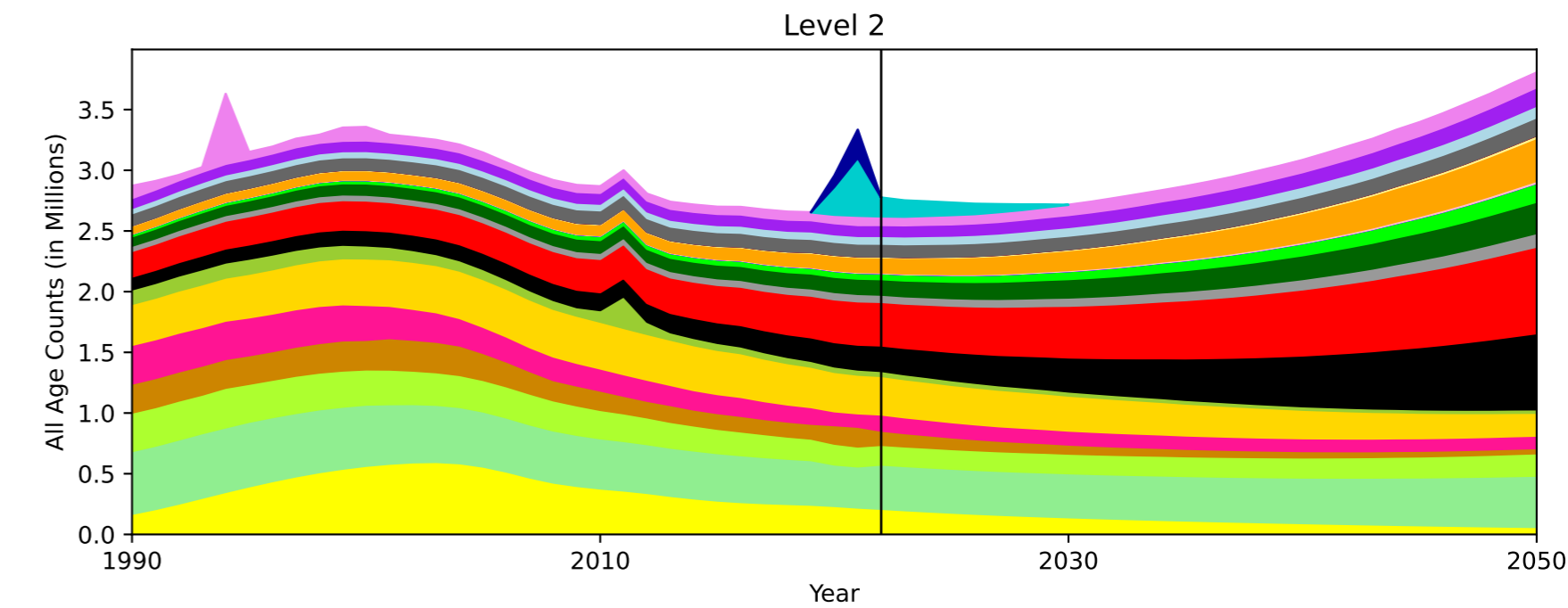
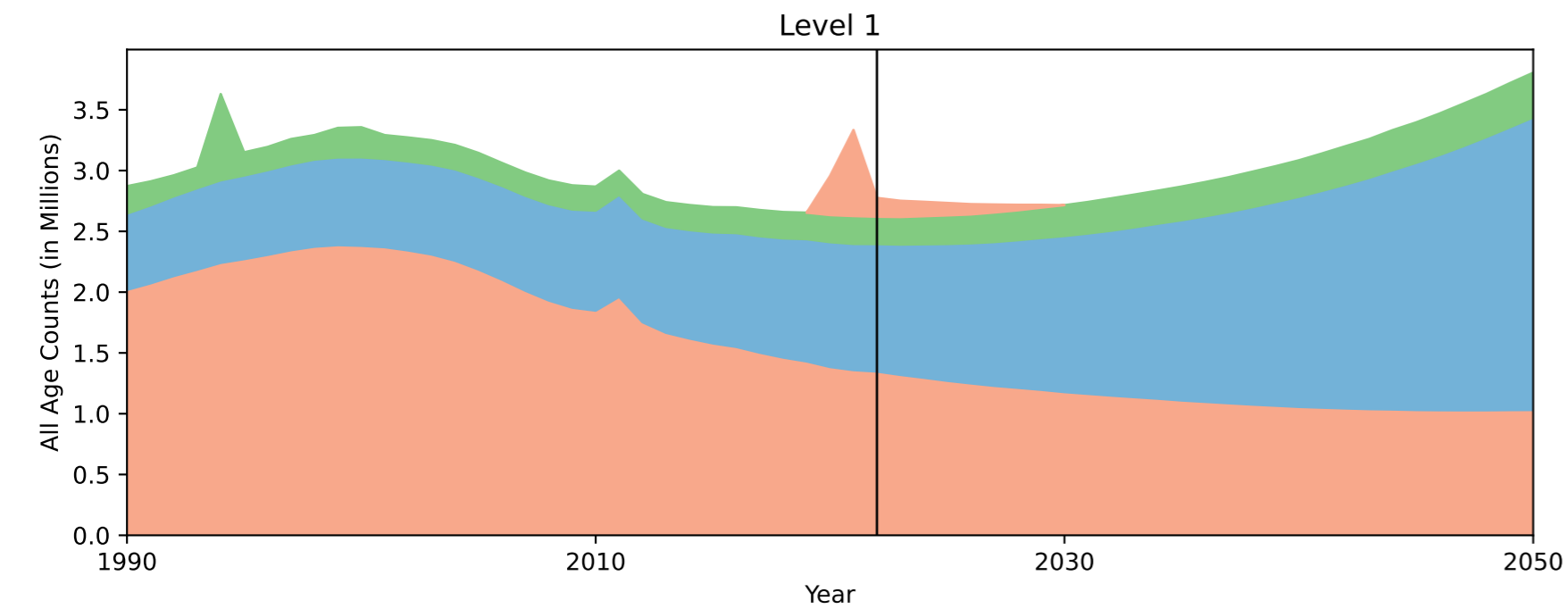
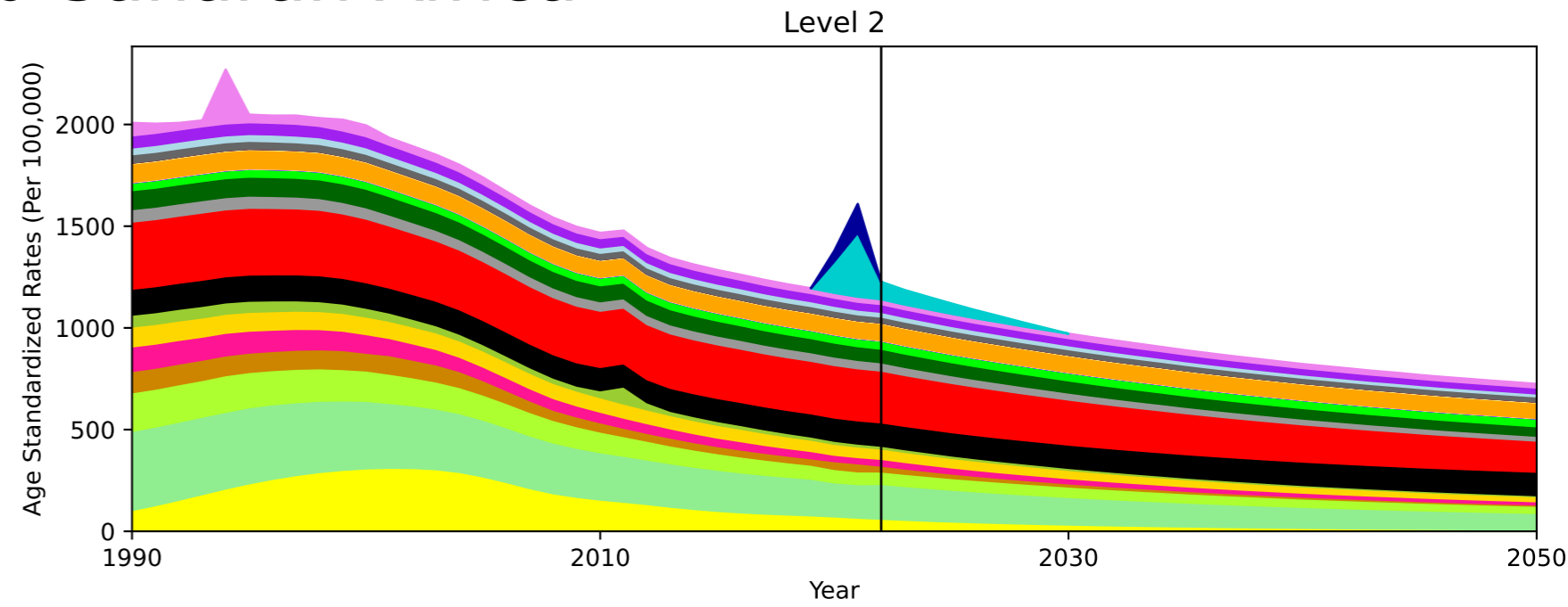
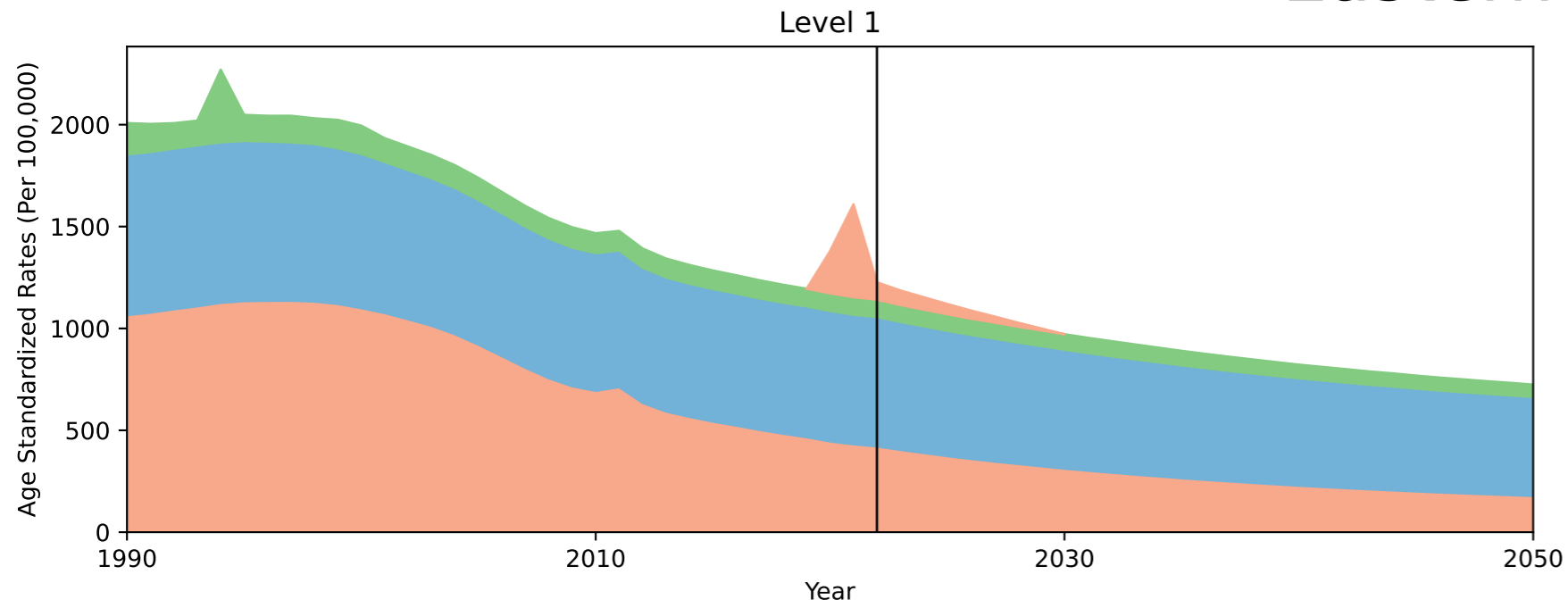
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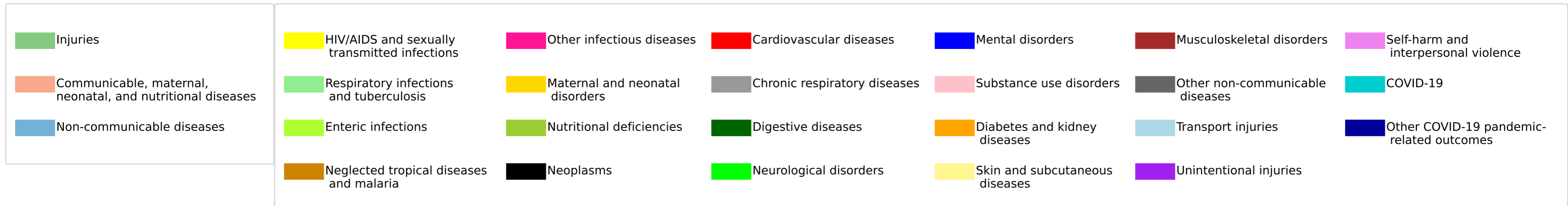
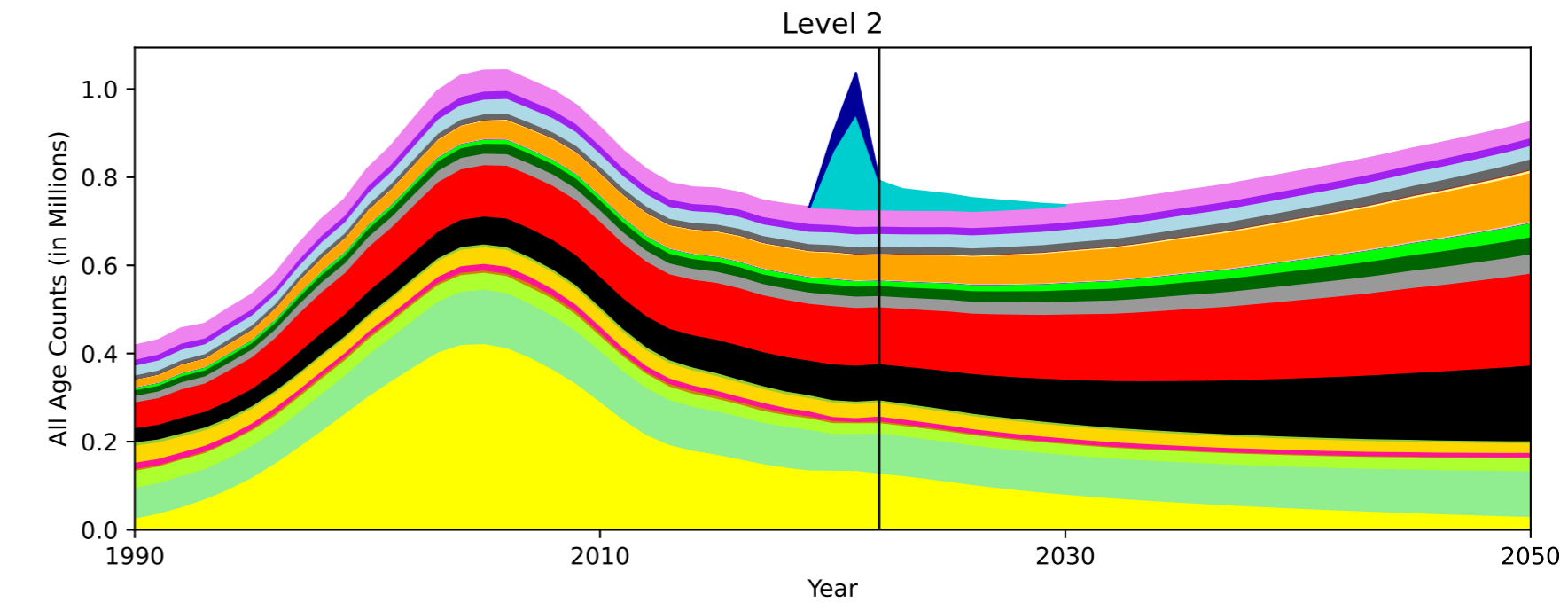
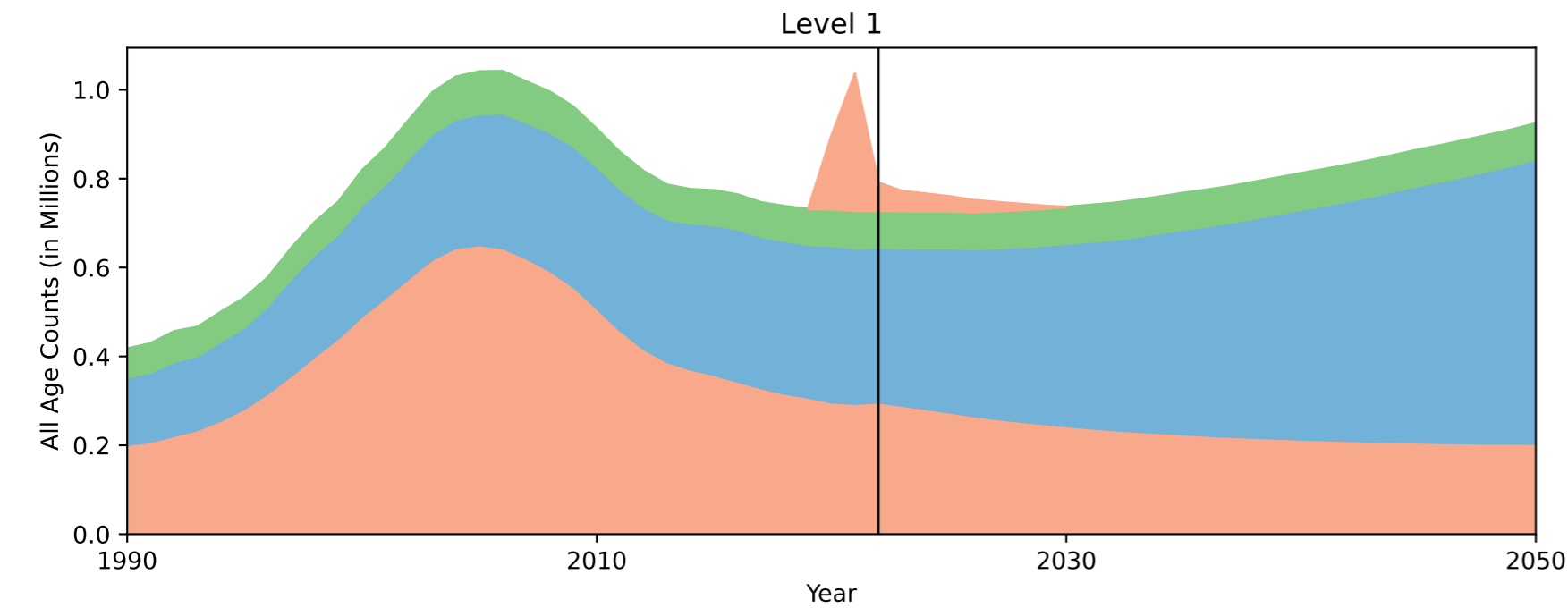
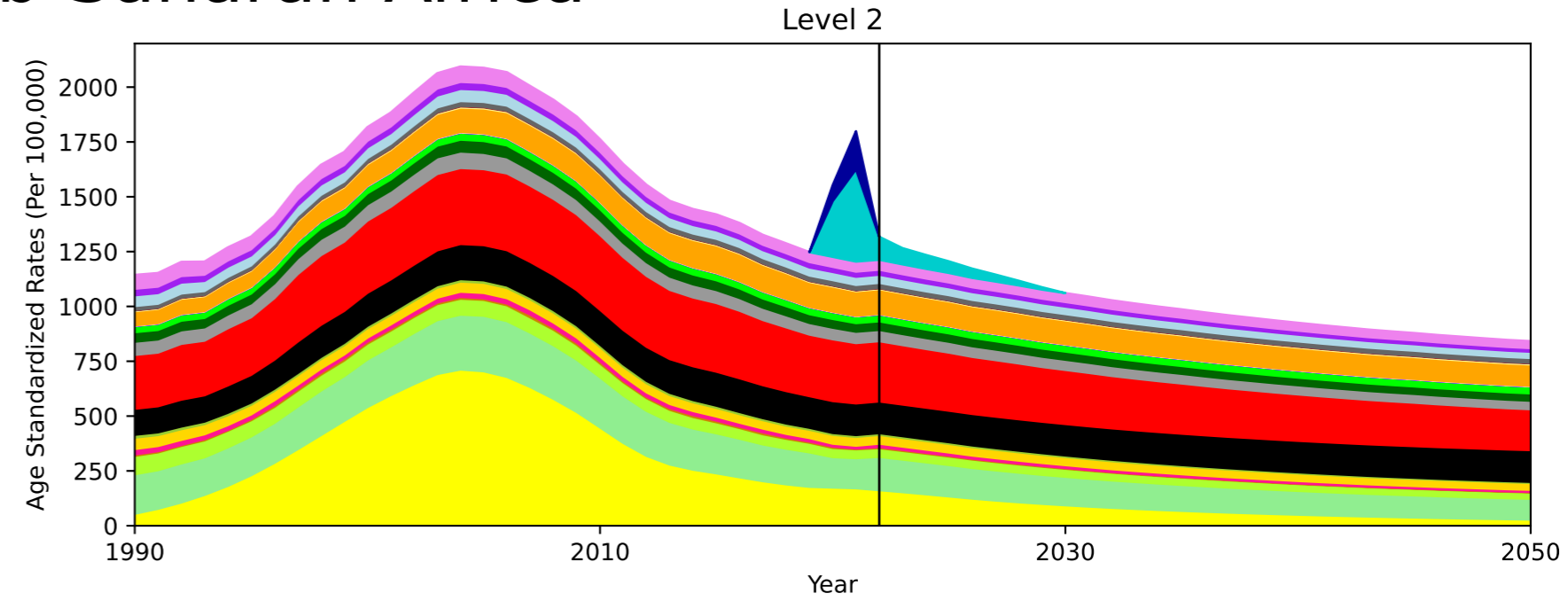
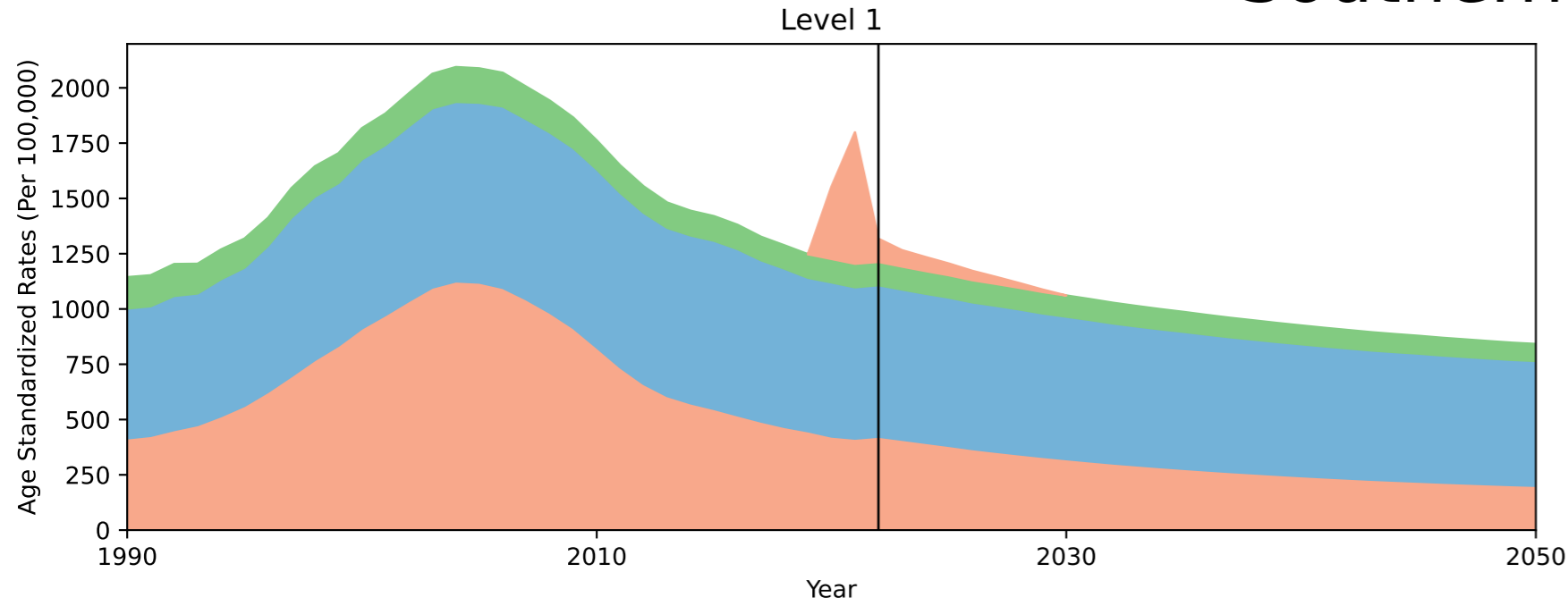
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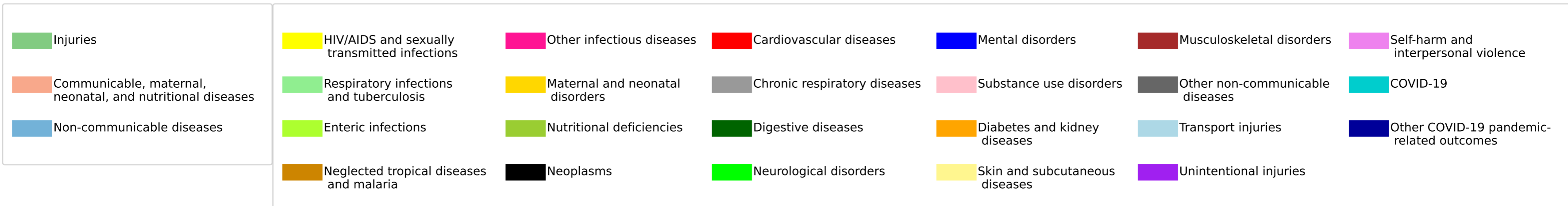
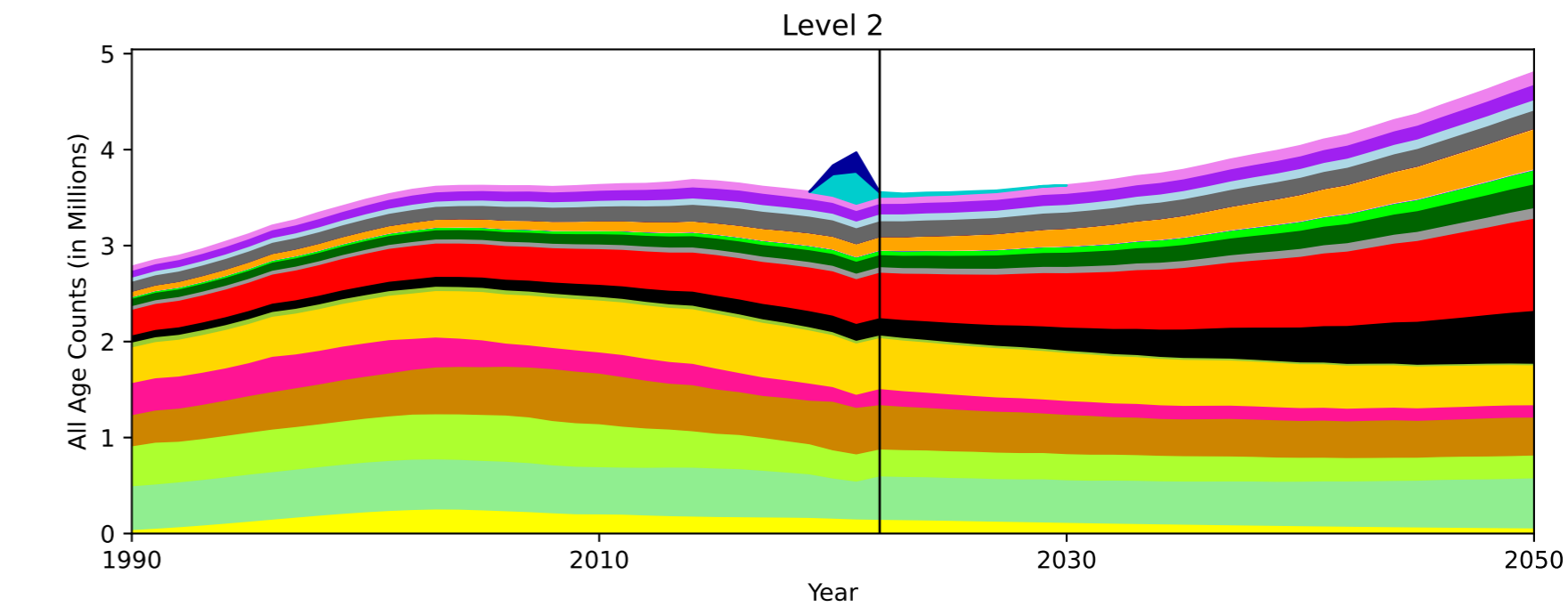
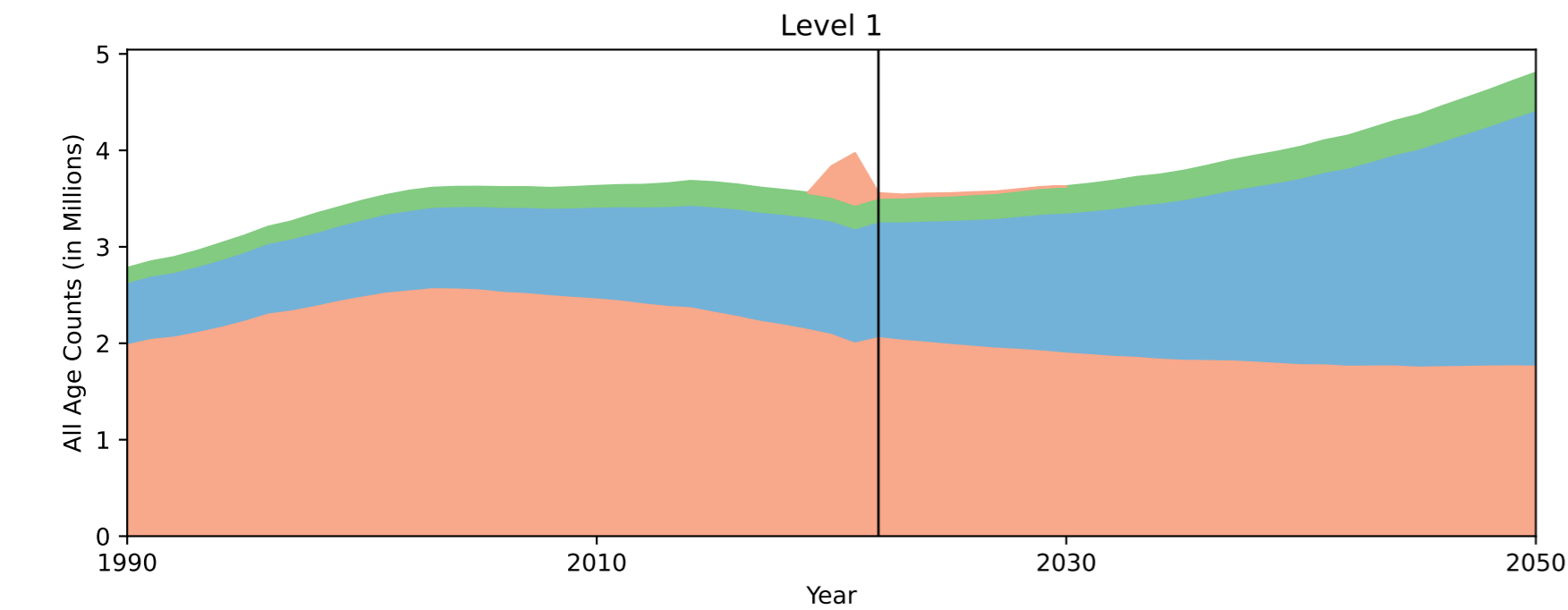
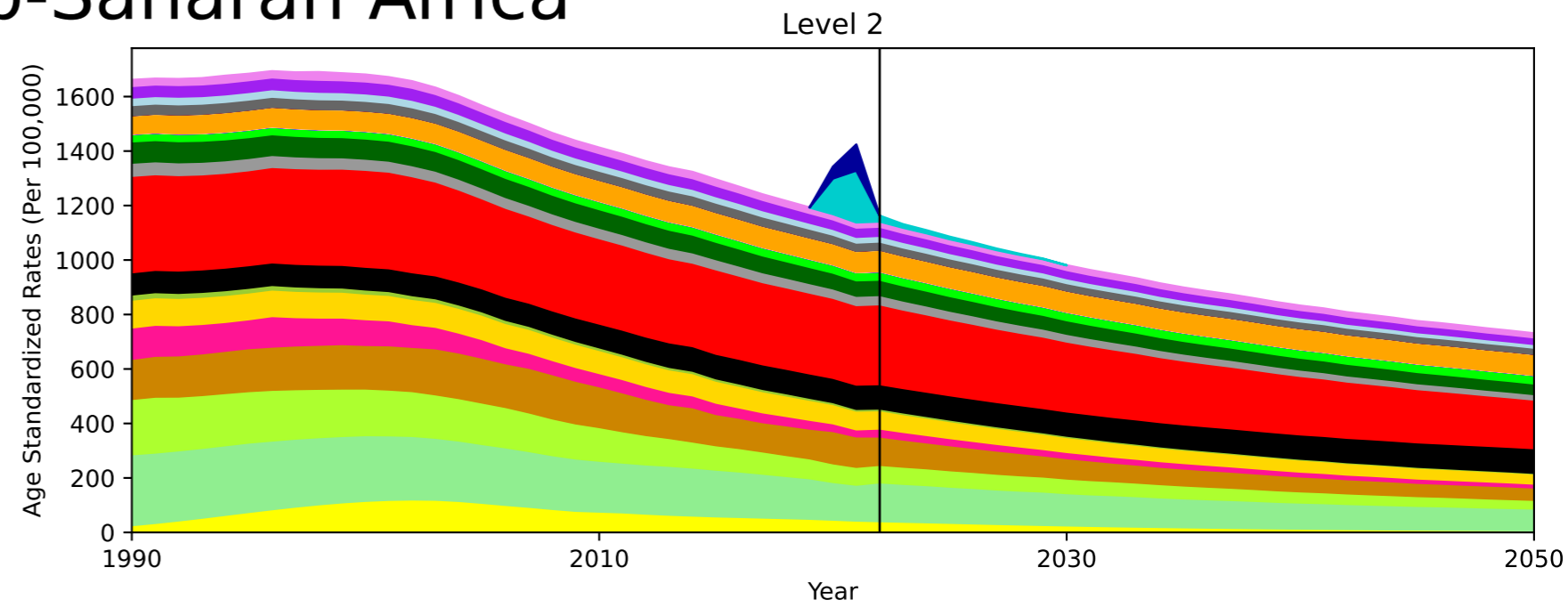
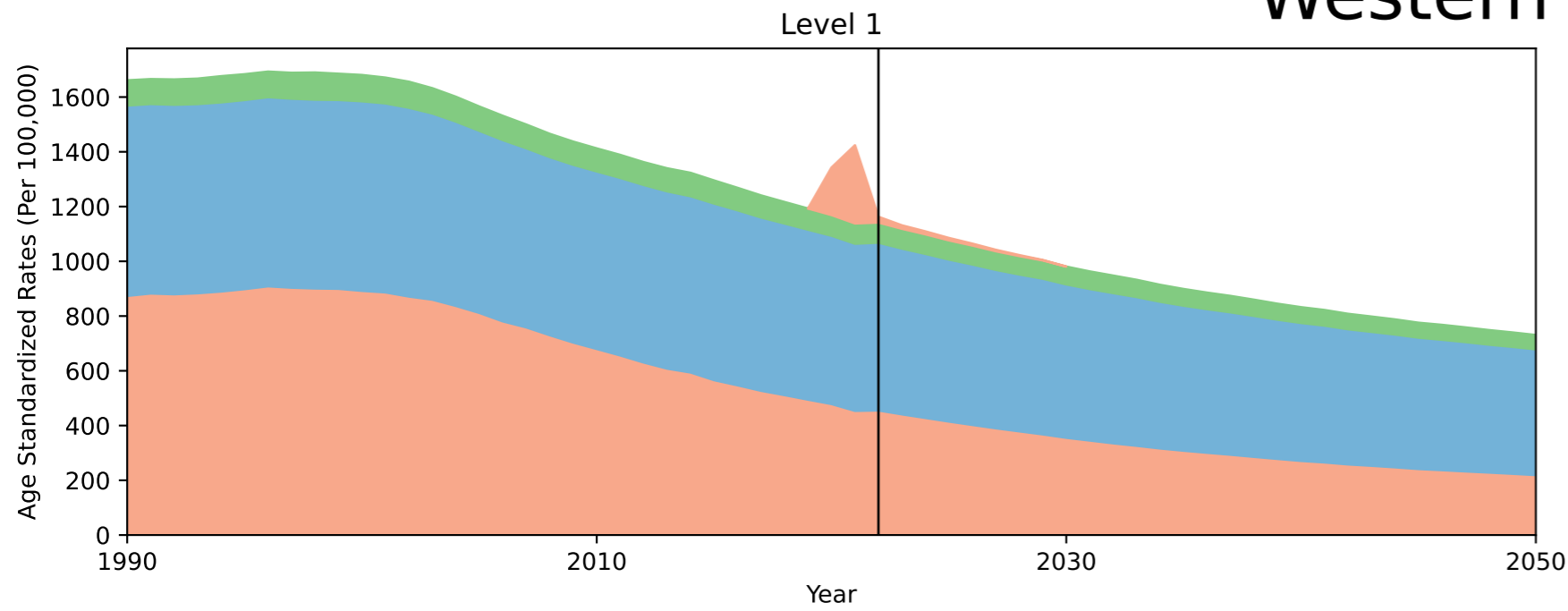
# Eastern Sub-Saharan Africa



# Southern Sub-Saharan Africa



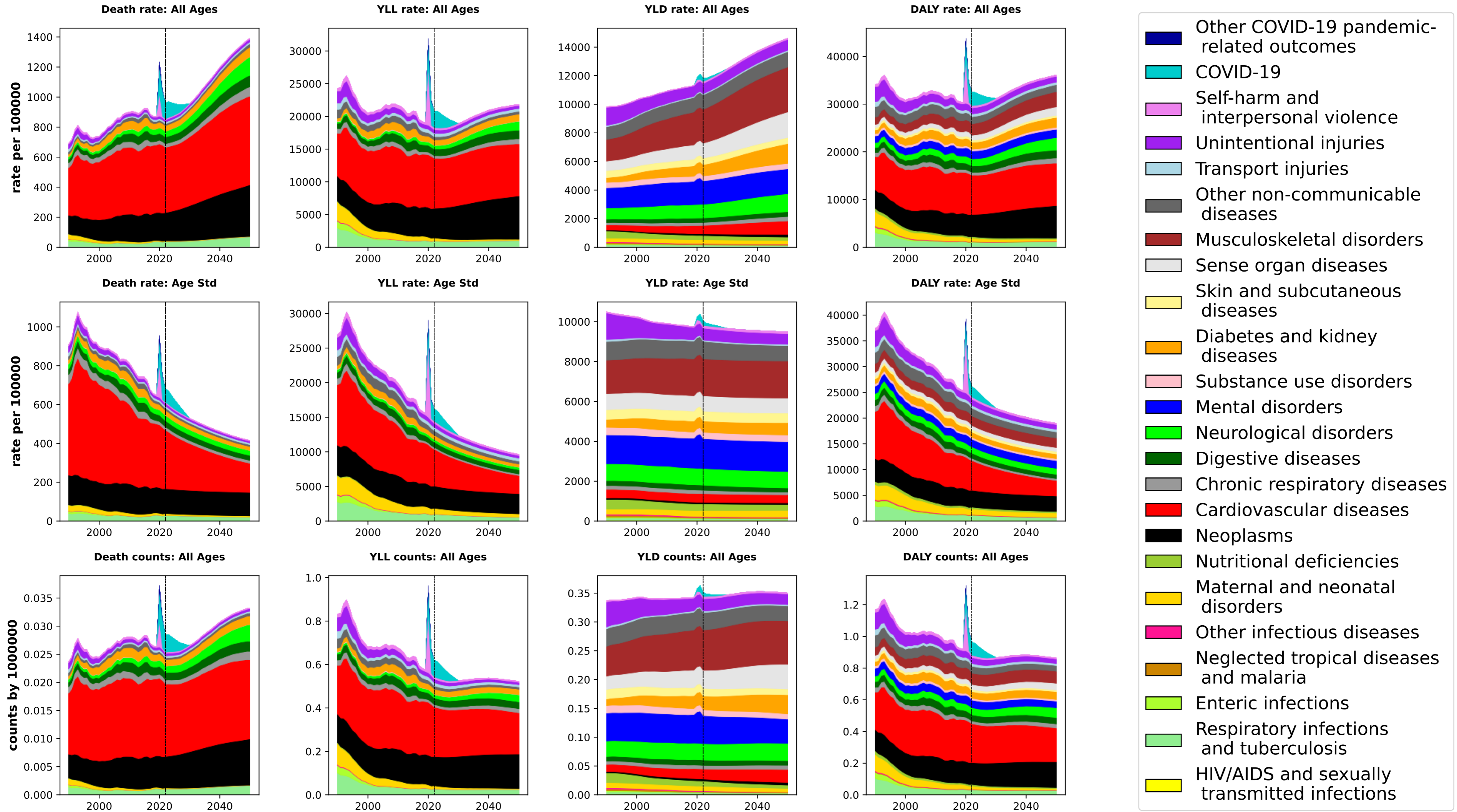
# Western Sub-Saharan Africa



# Armenia

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

711

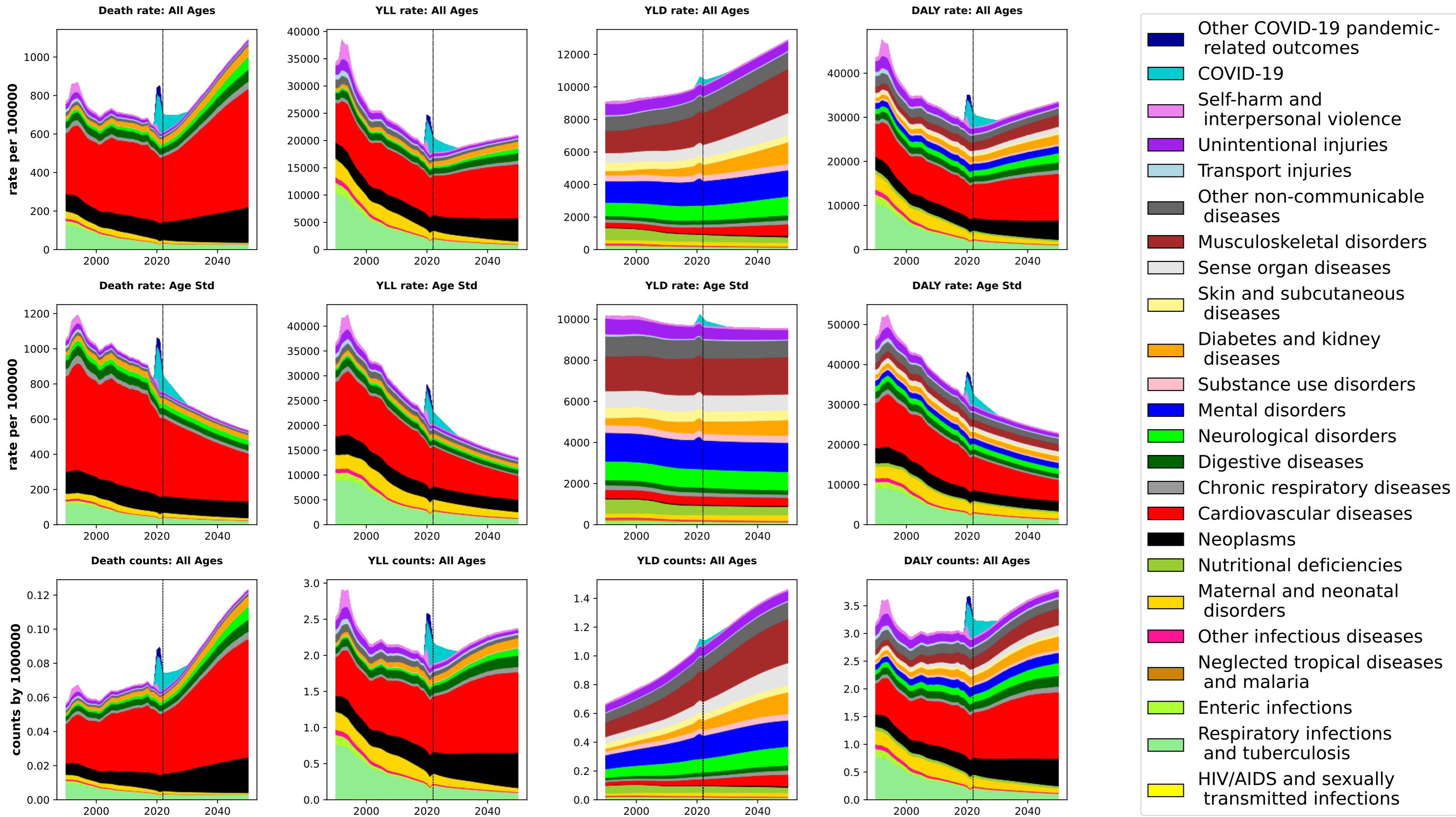




# Azerbaijan

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

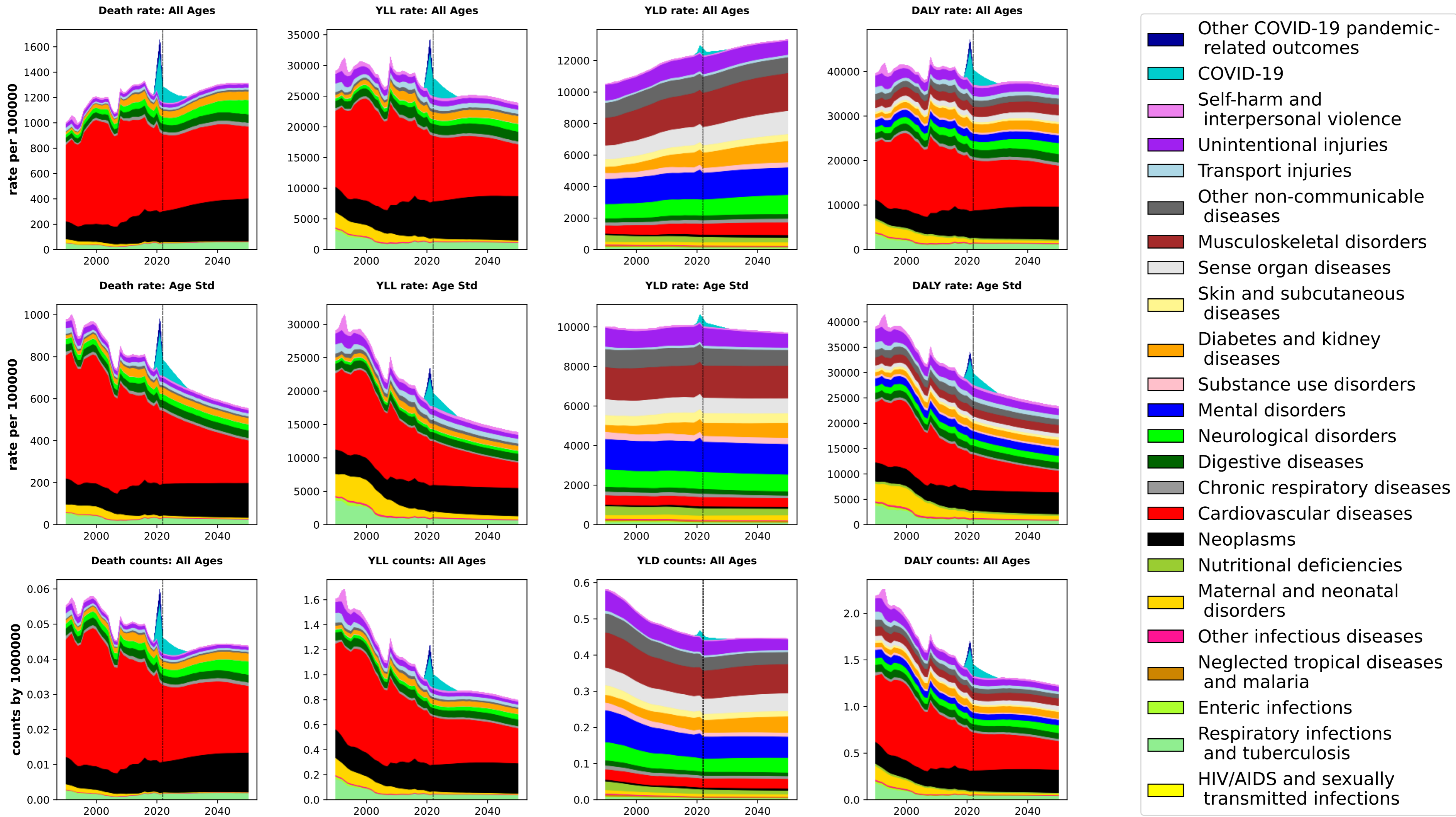
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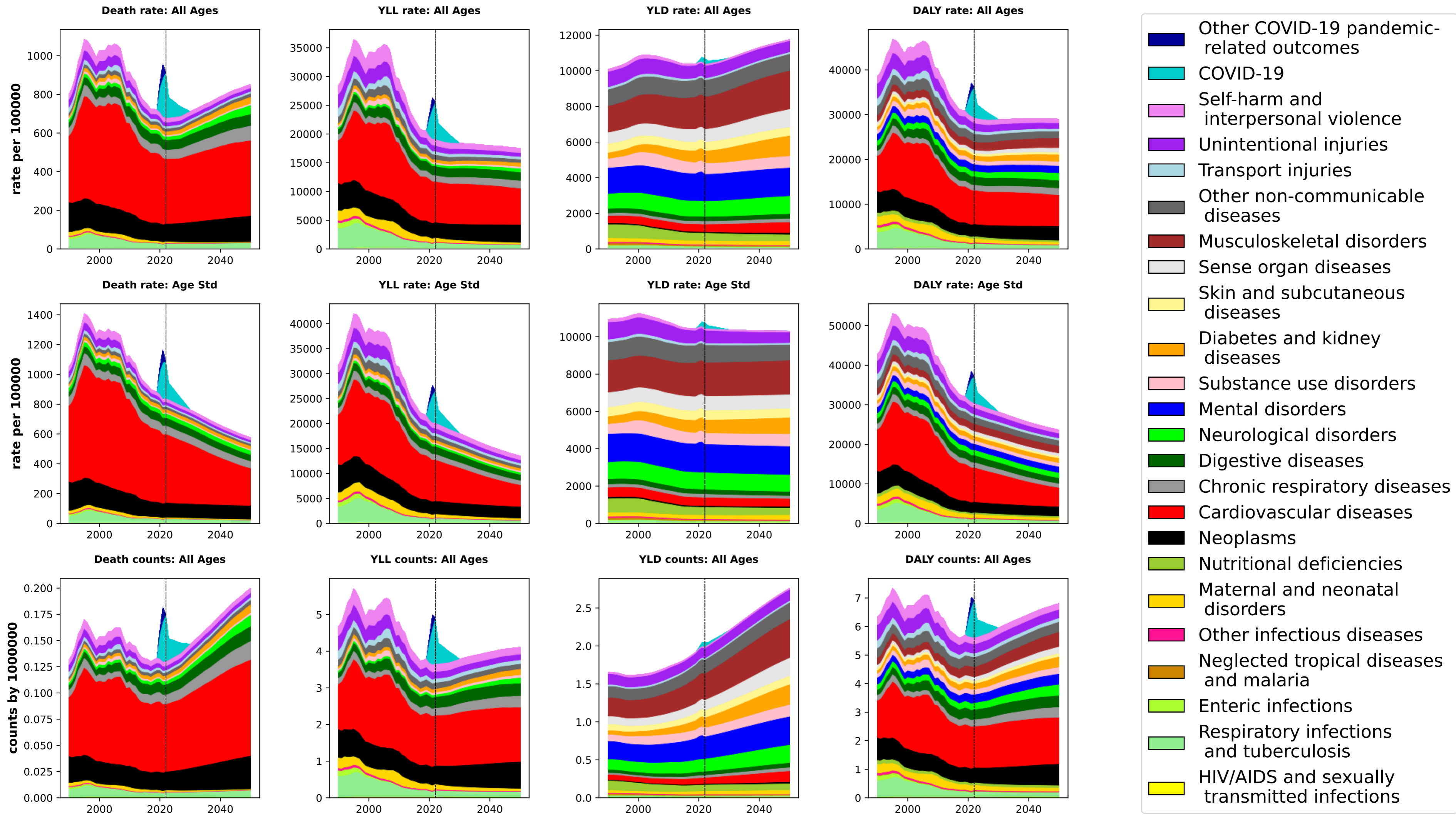
# Georgia

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

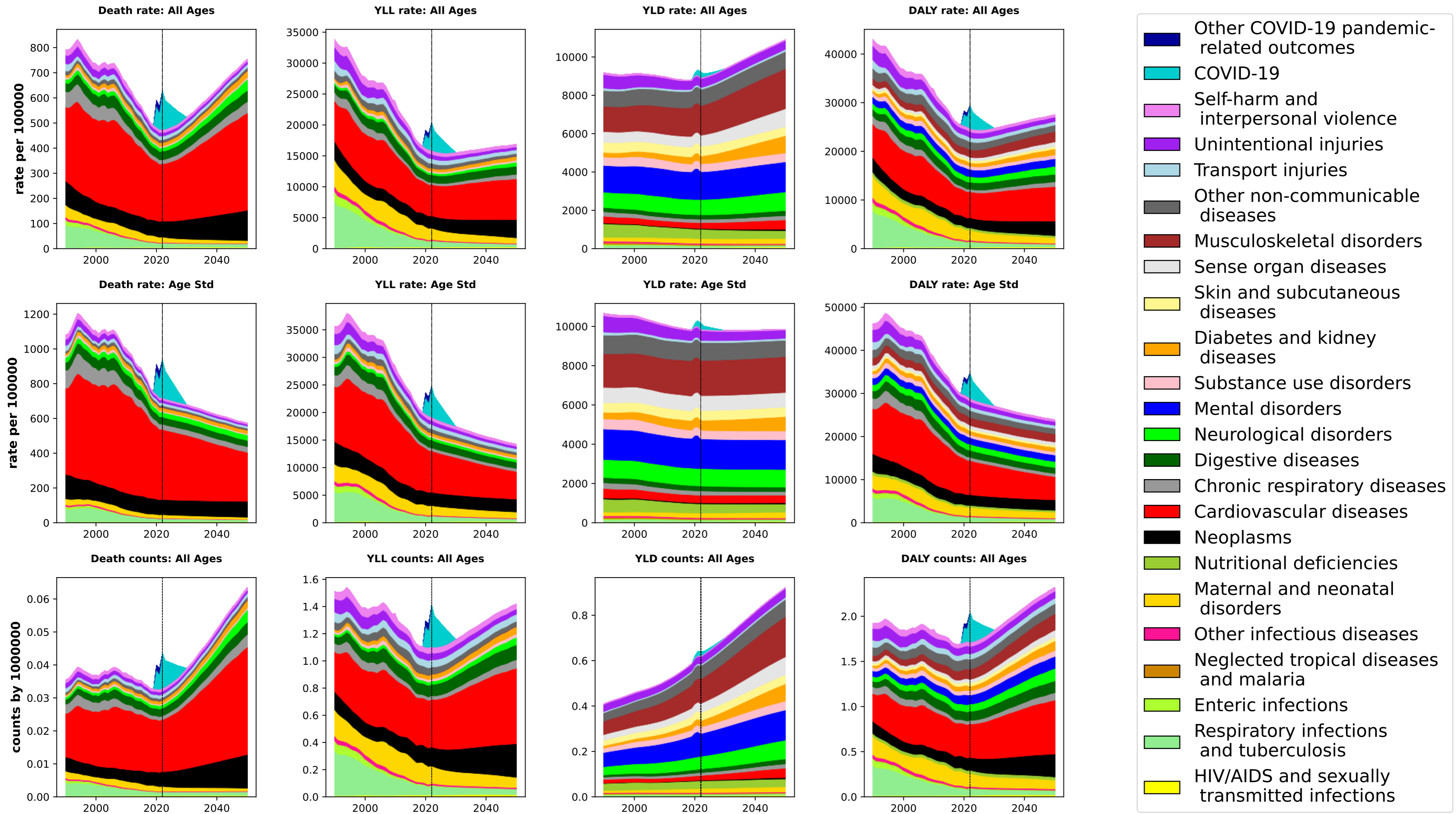
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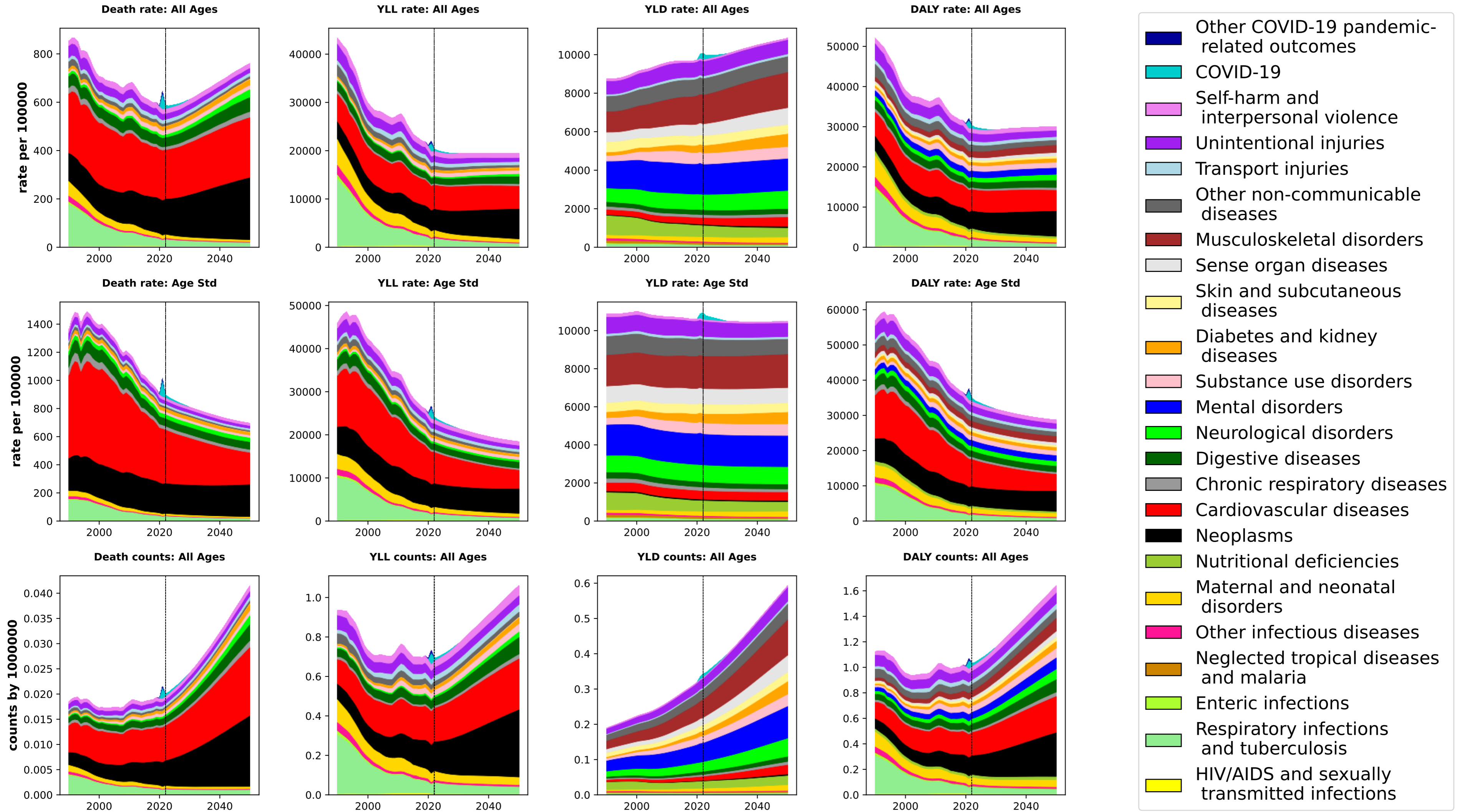
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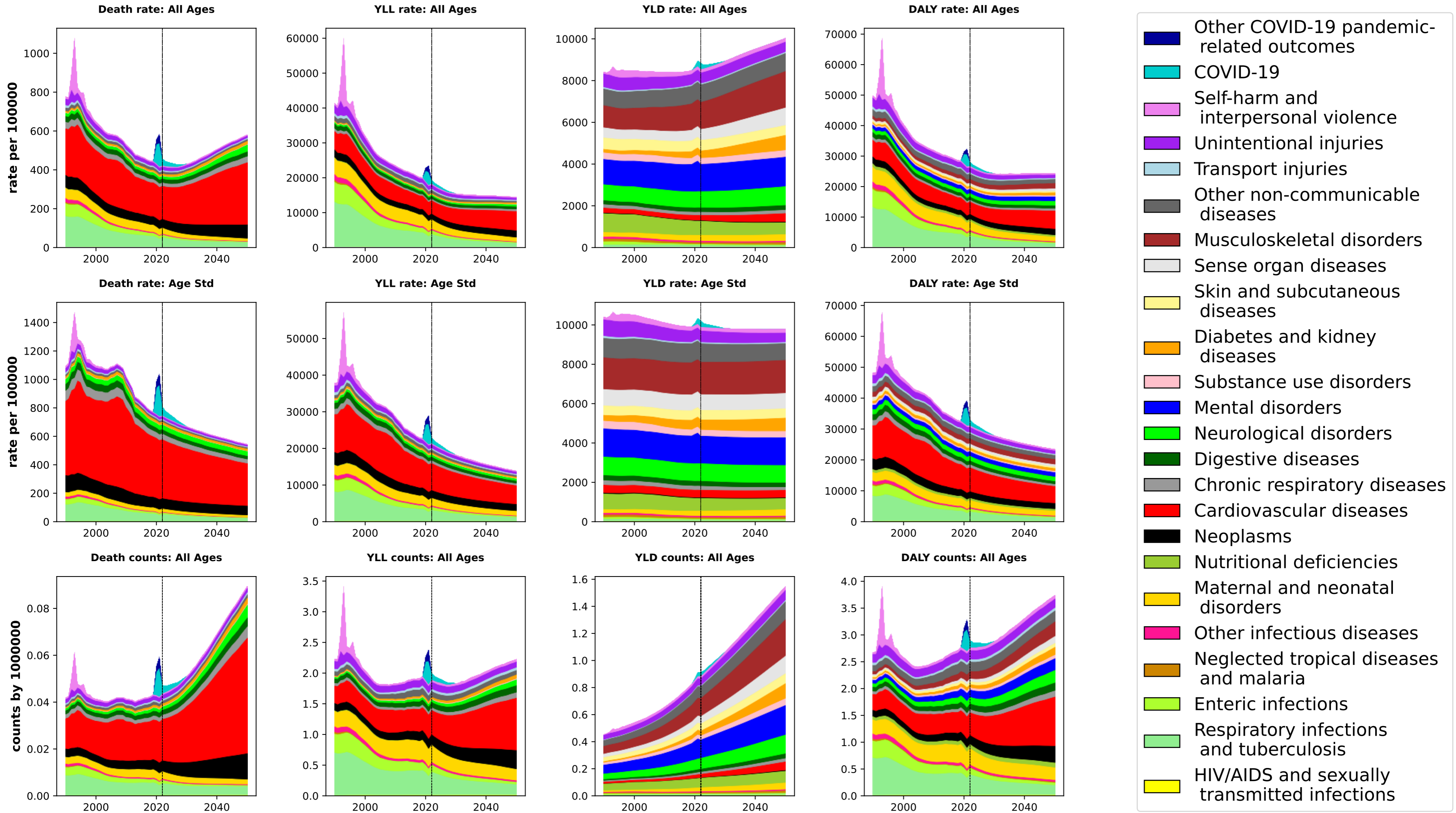
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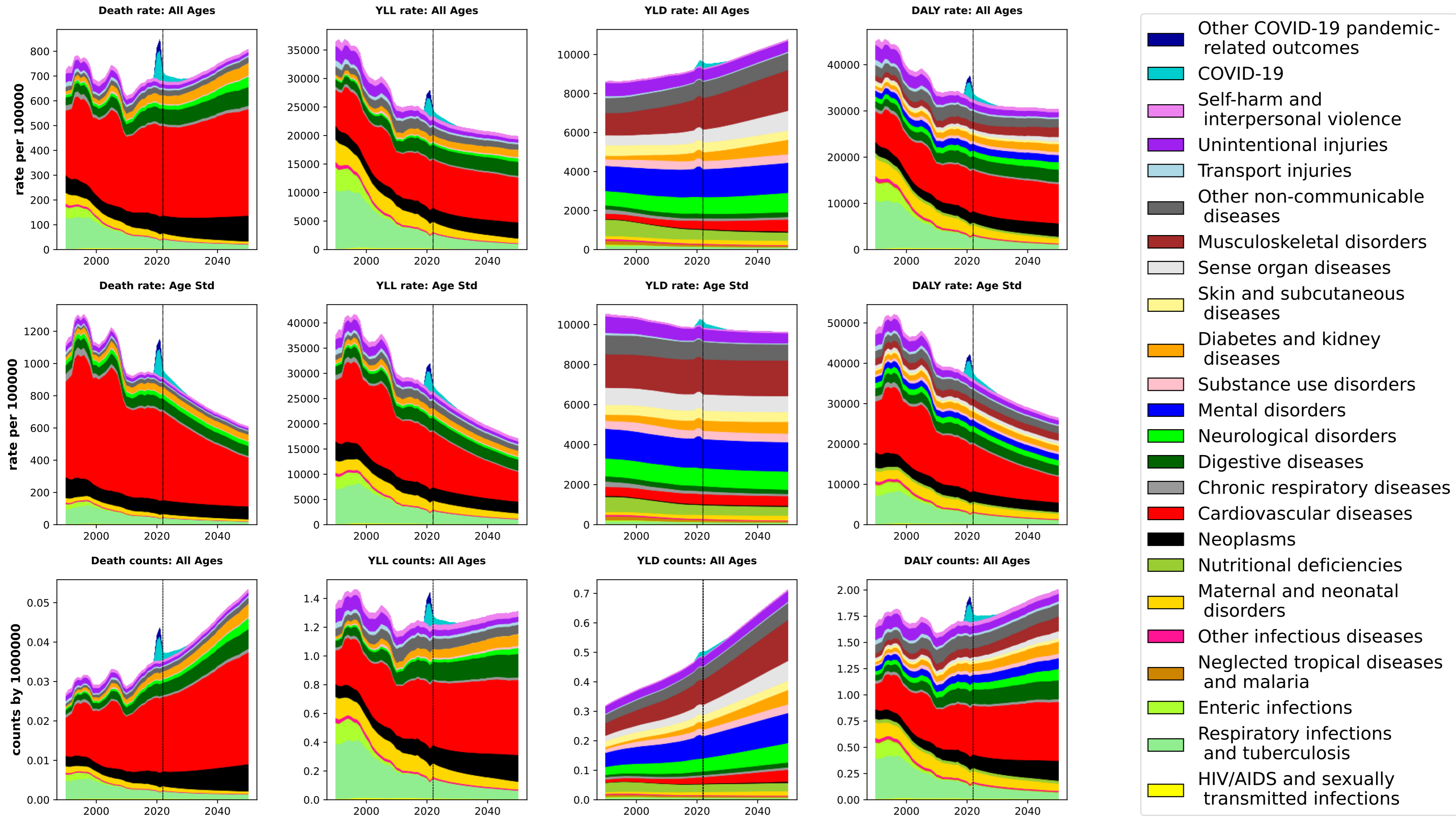
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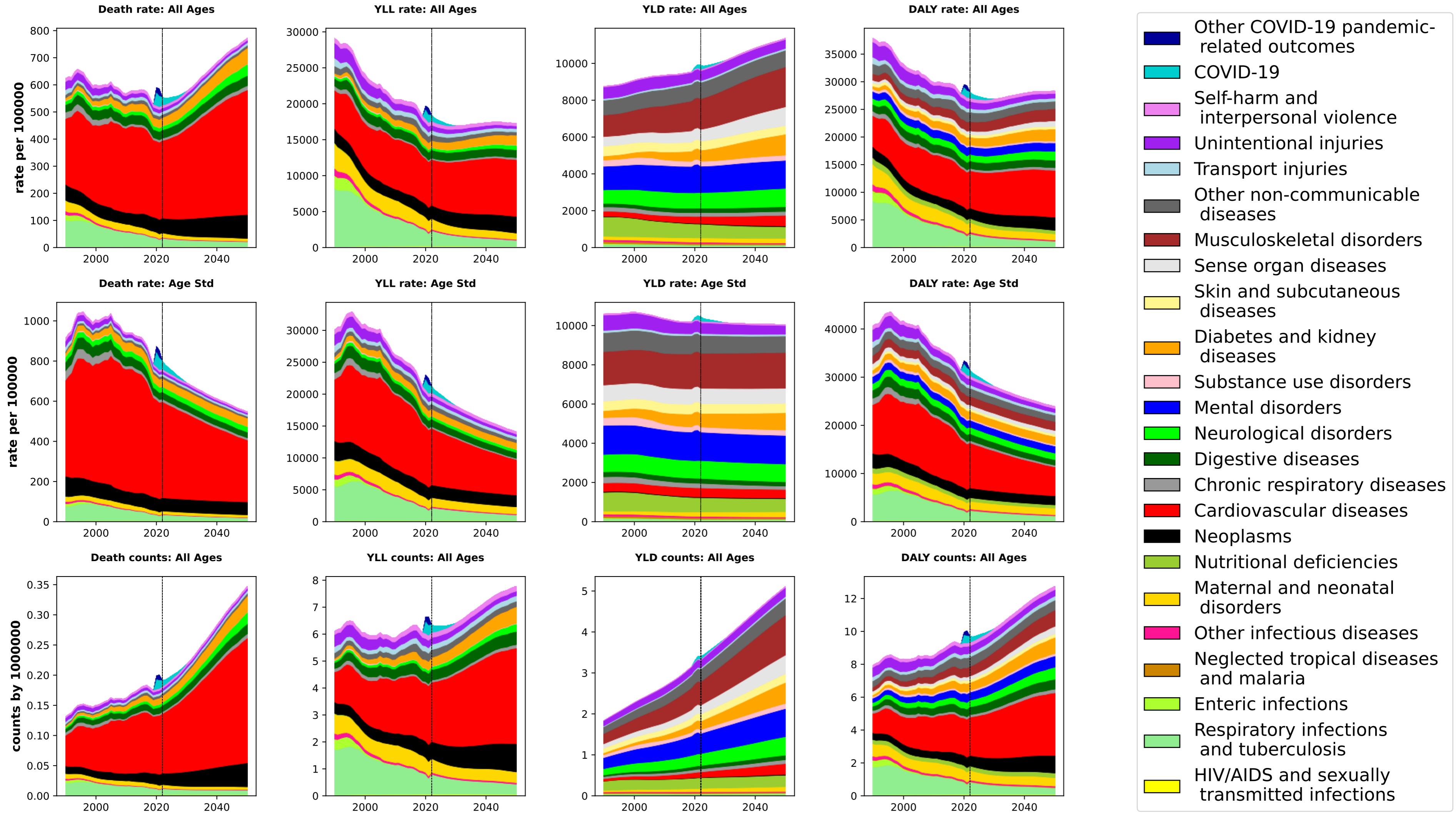
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# Turkmenistan

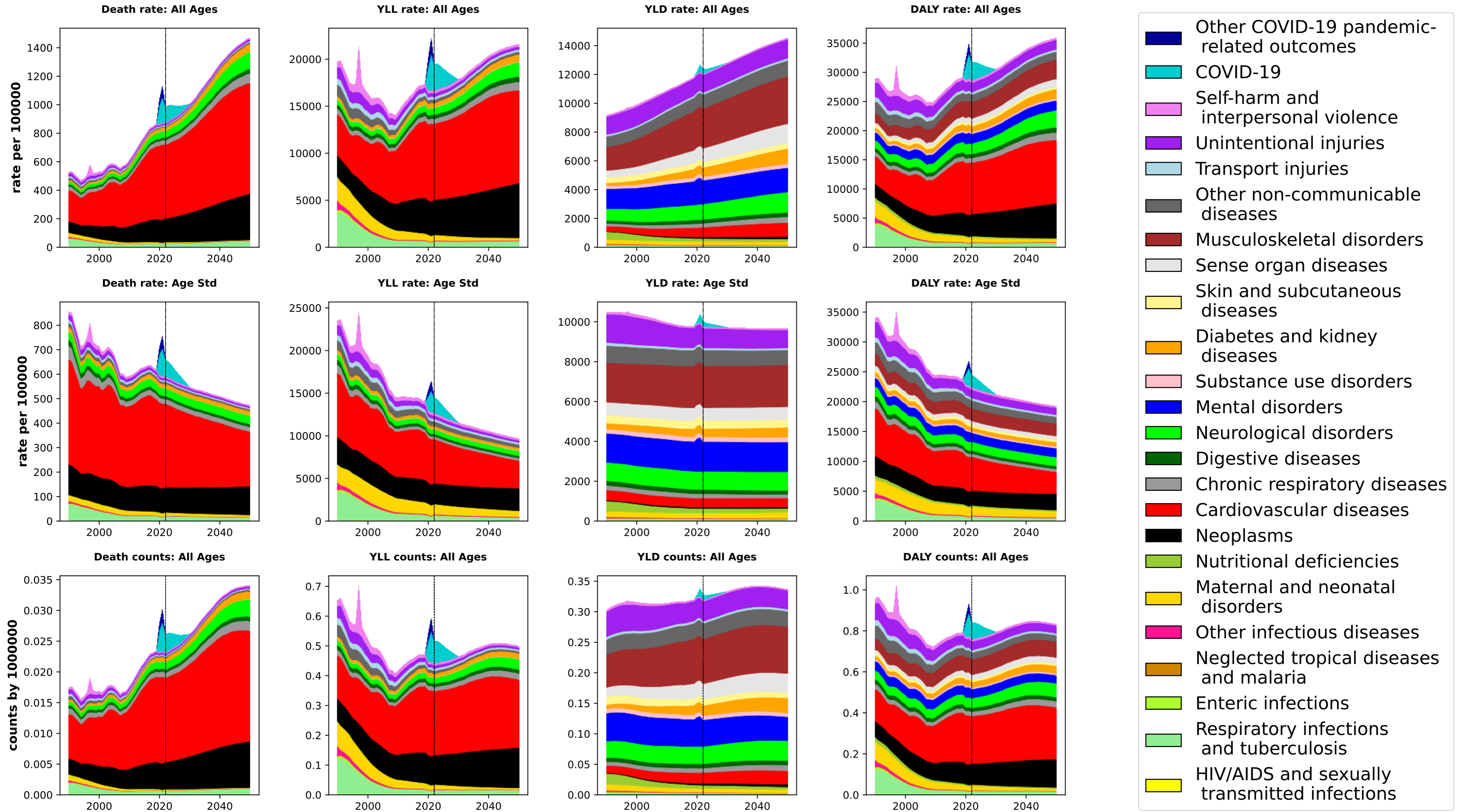


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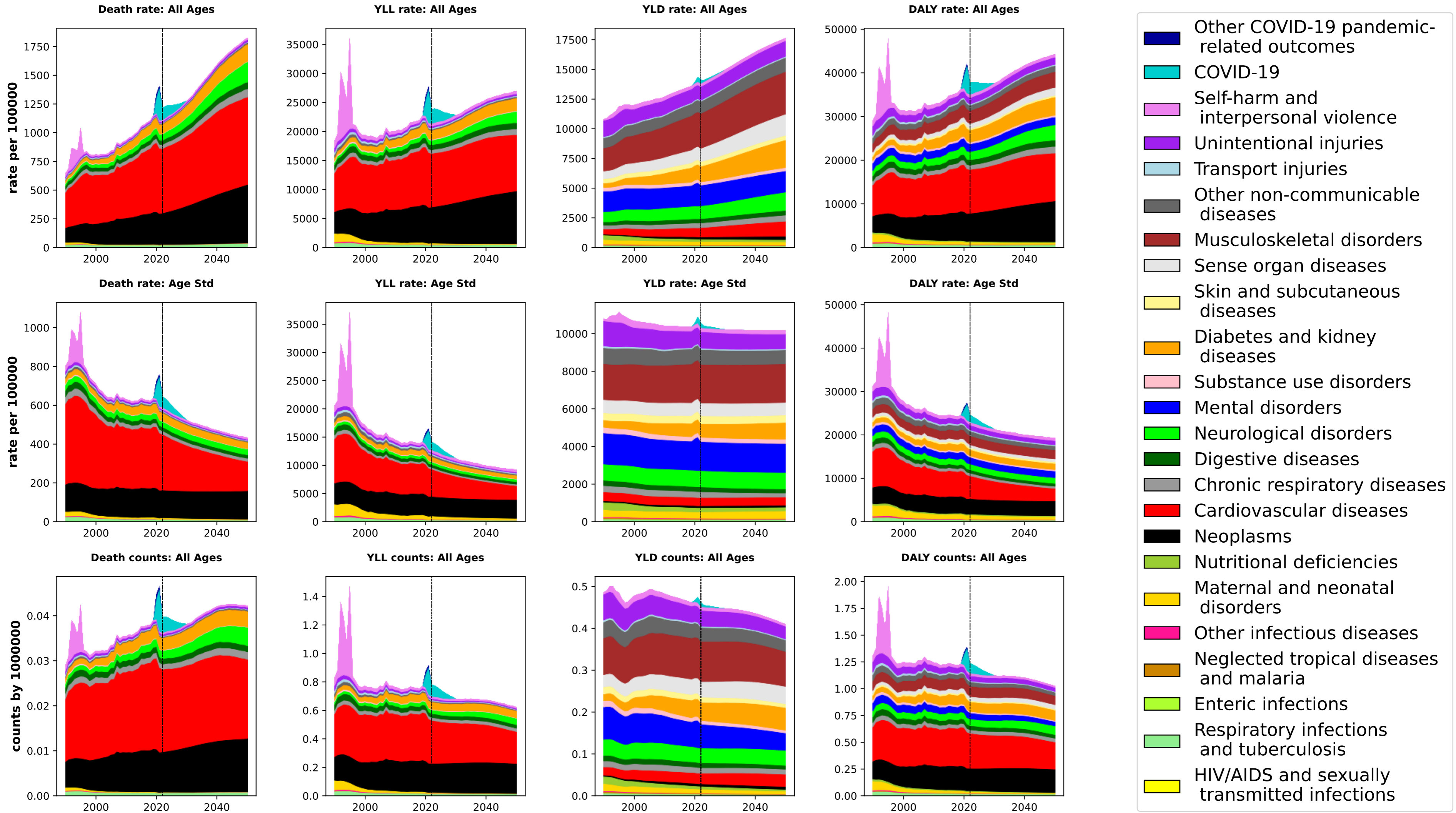
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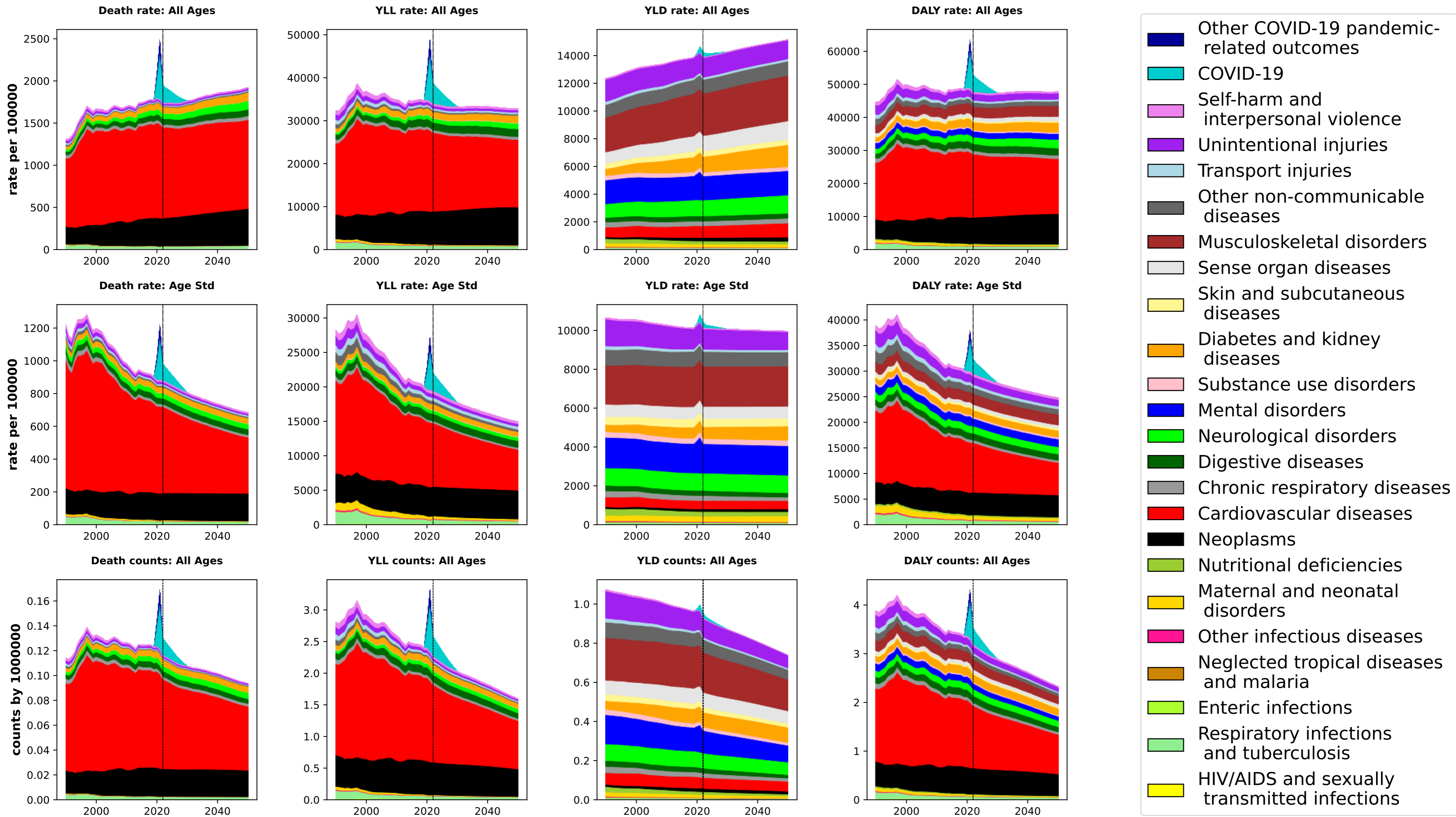
# Bosnia and Herzegovina

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

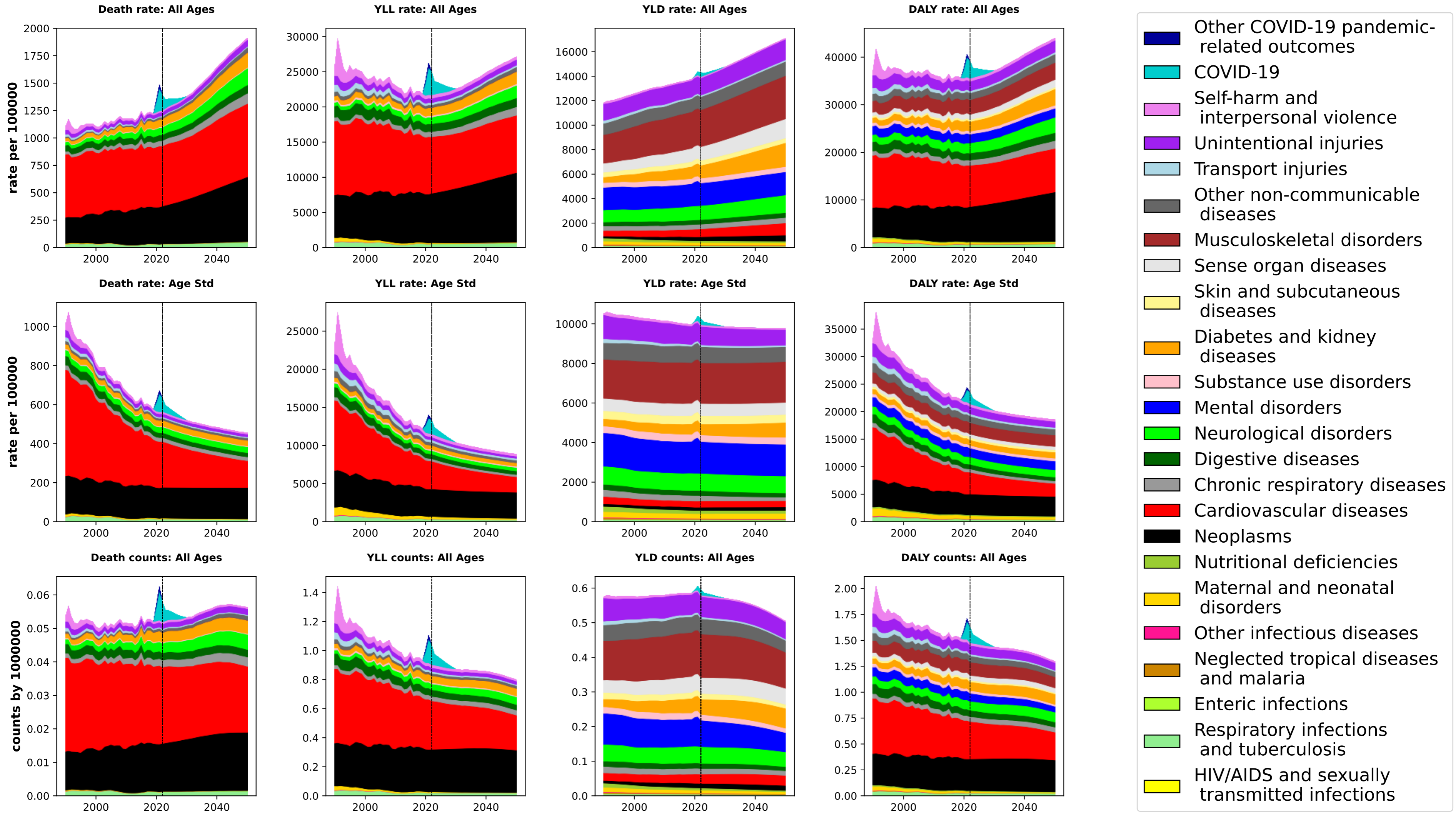
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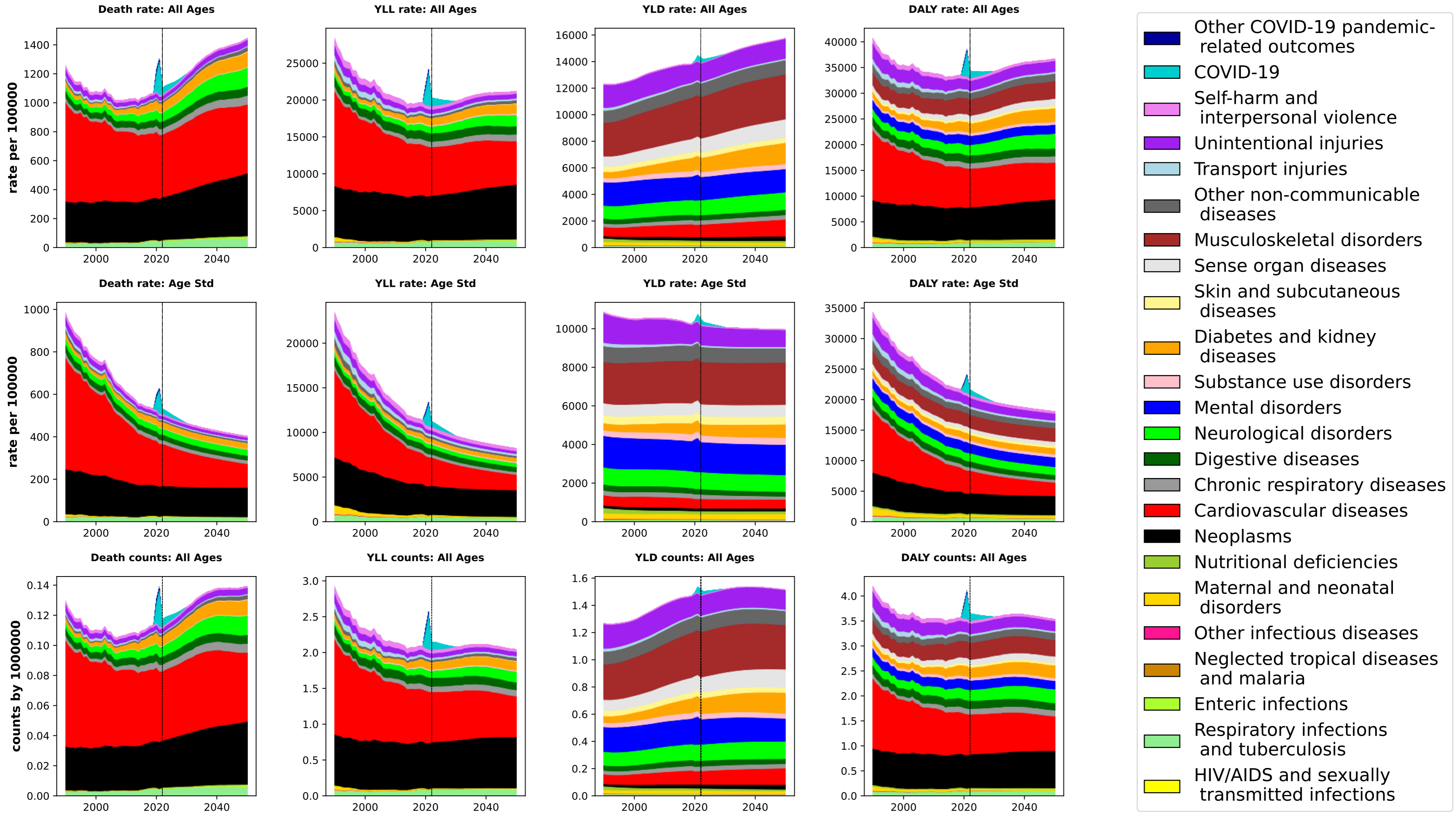
# Bulgaria



# Croatia



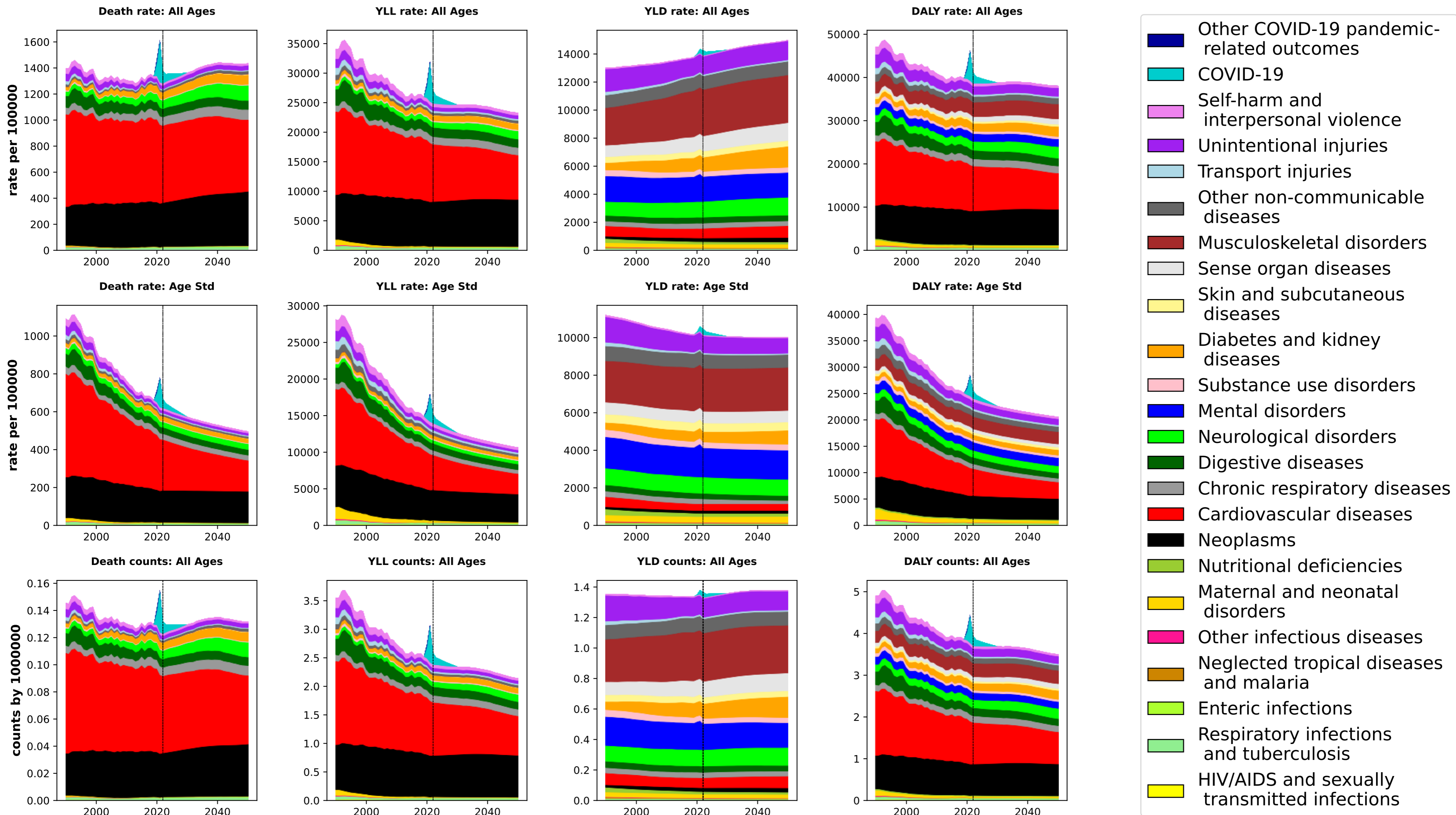
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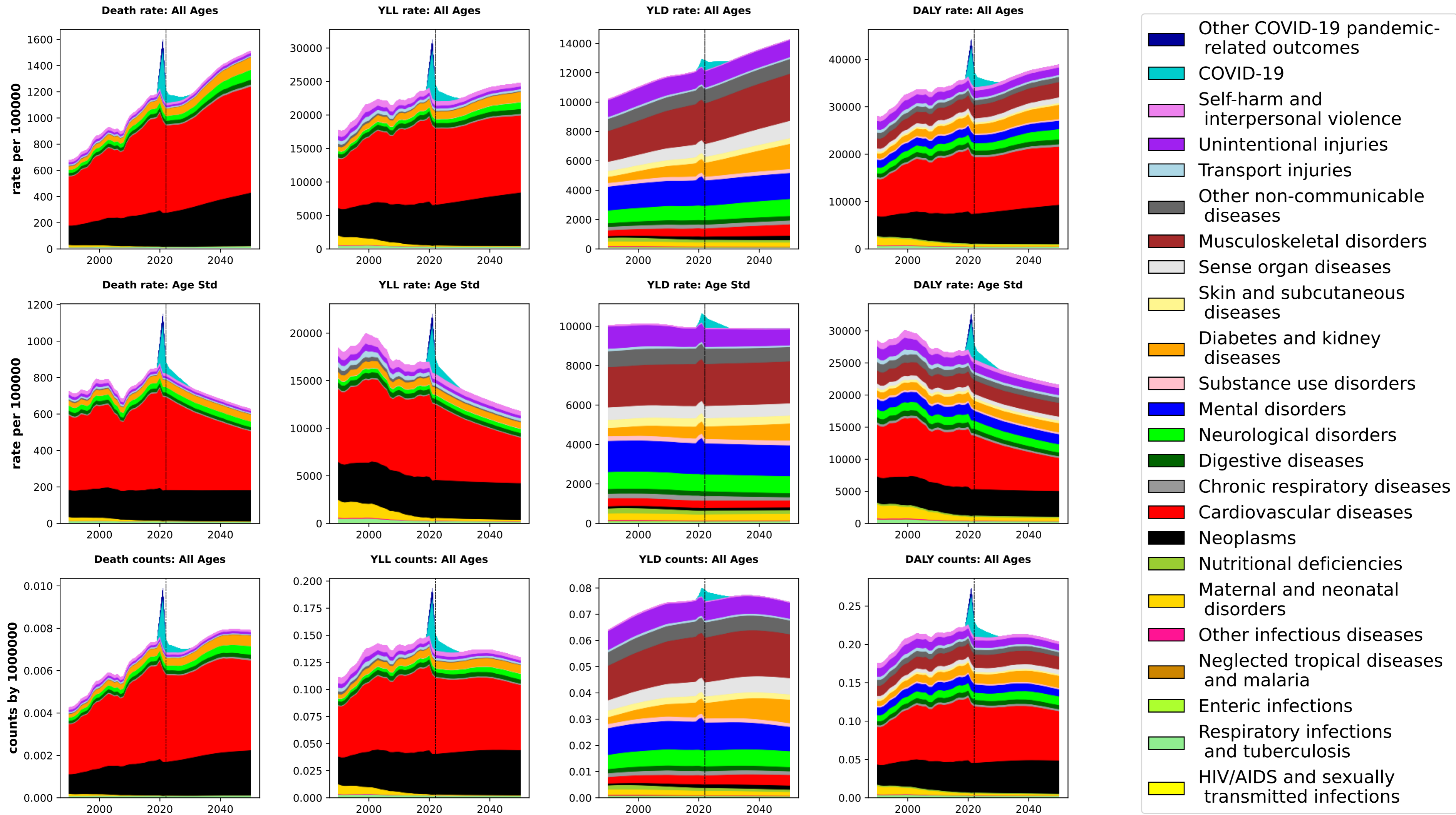
# Hungary

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

725



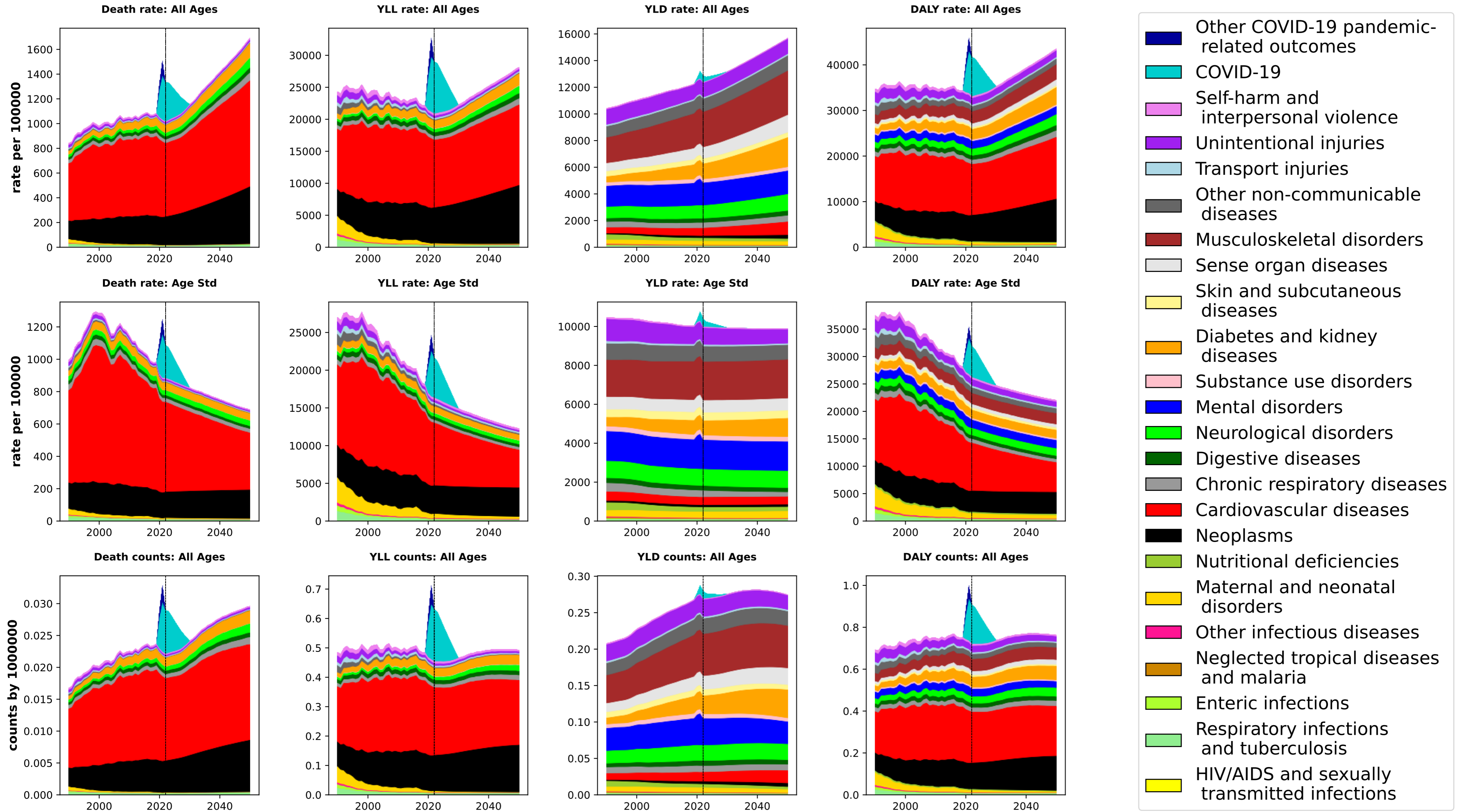
# Montenegro



# North Macedonia

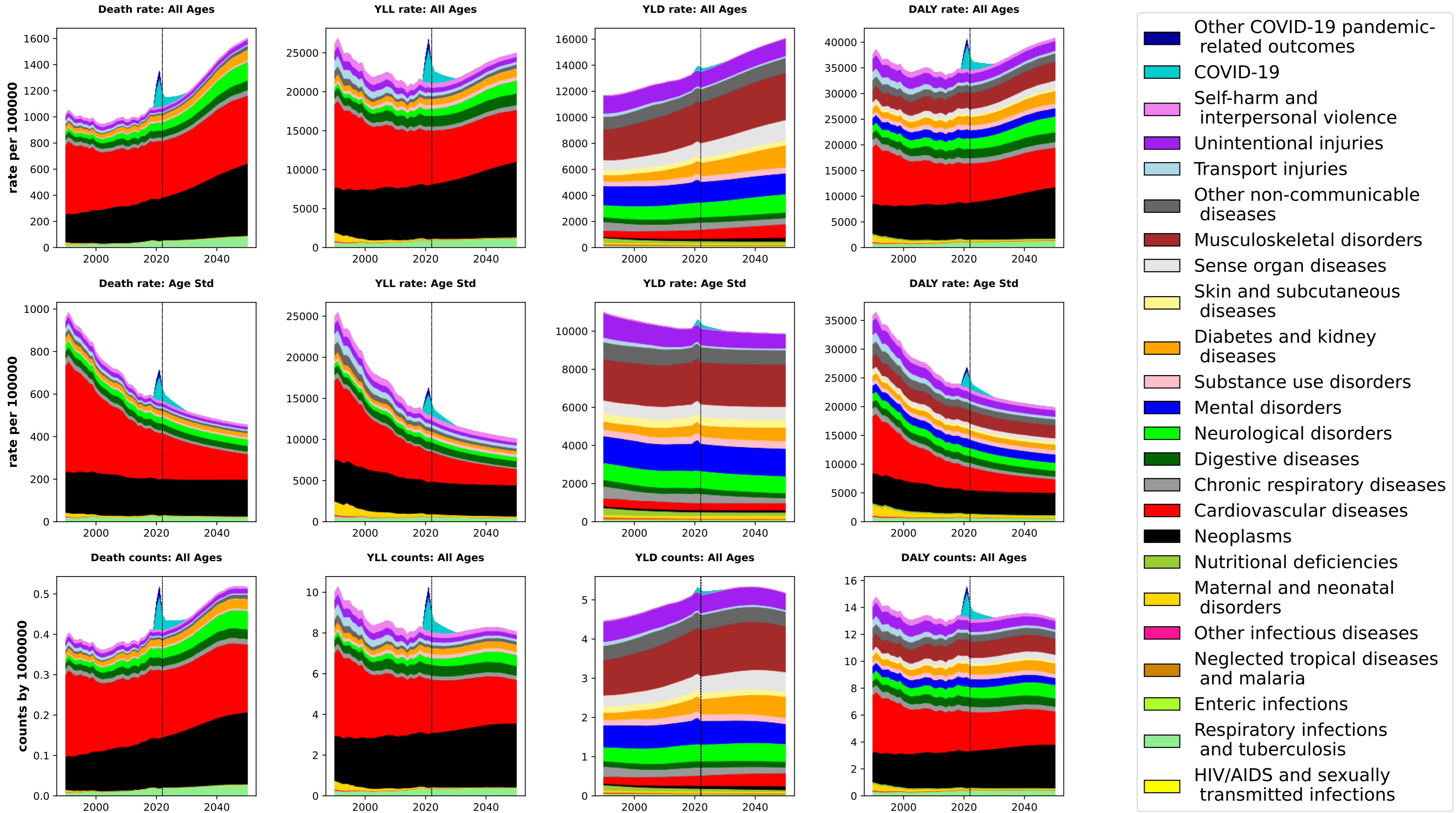
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

727





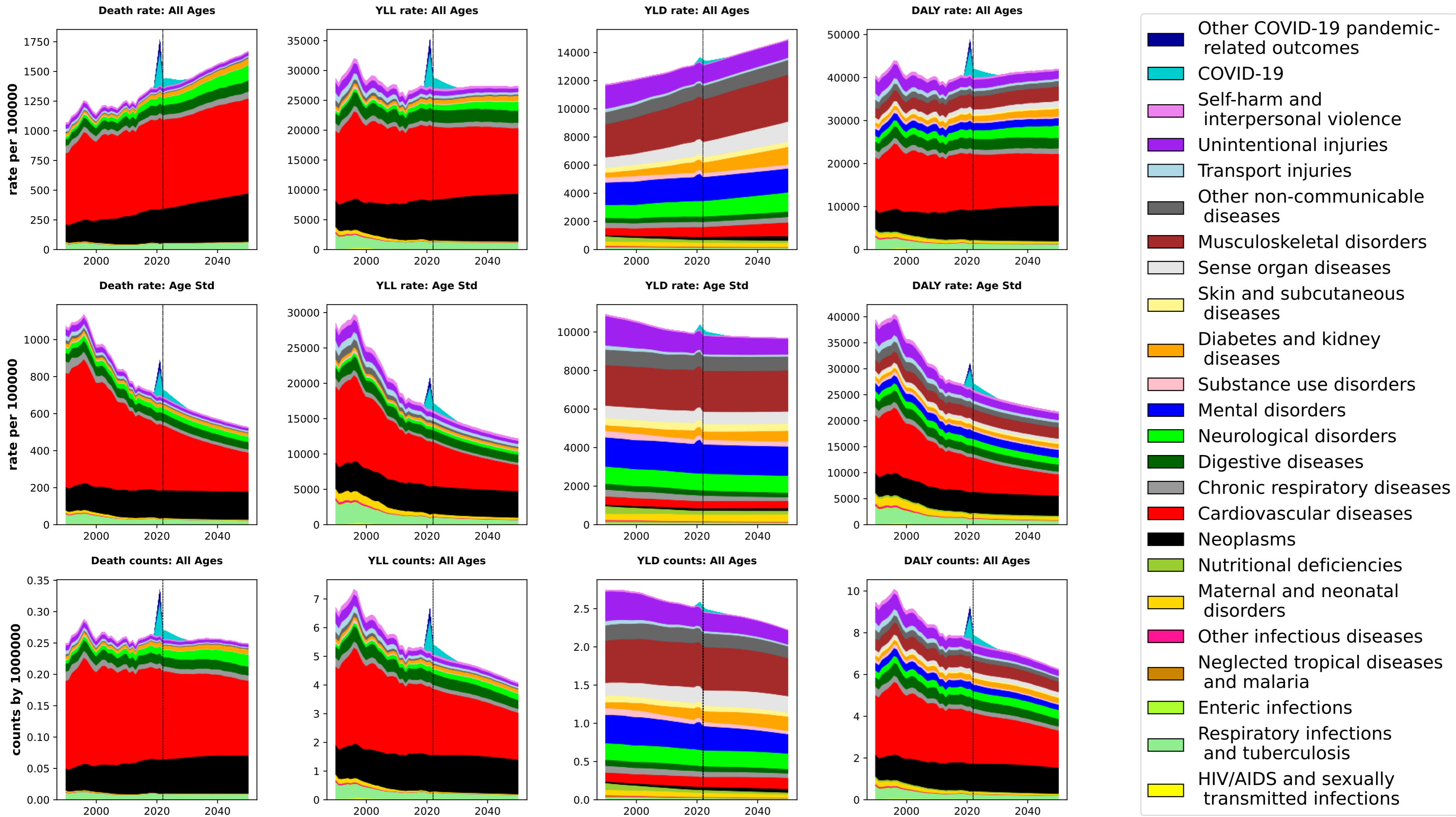
# Poland



# Romania

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

729

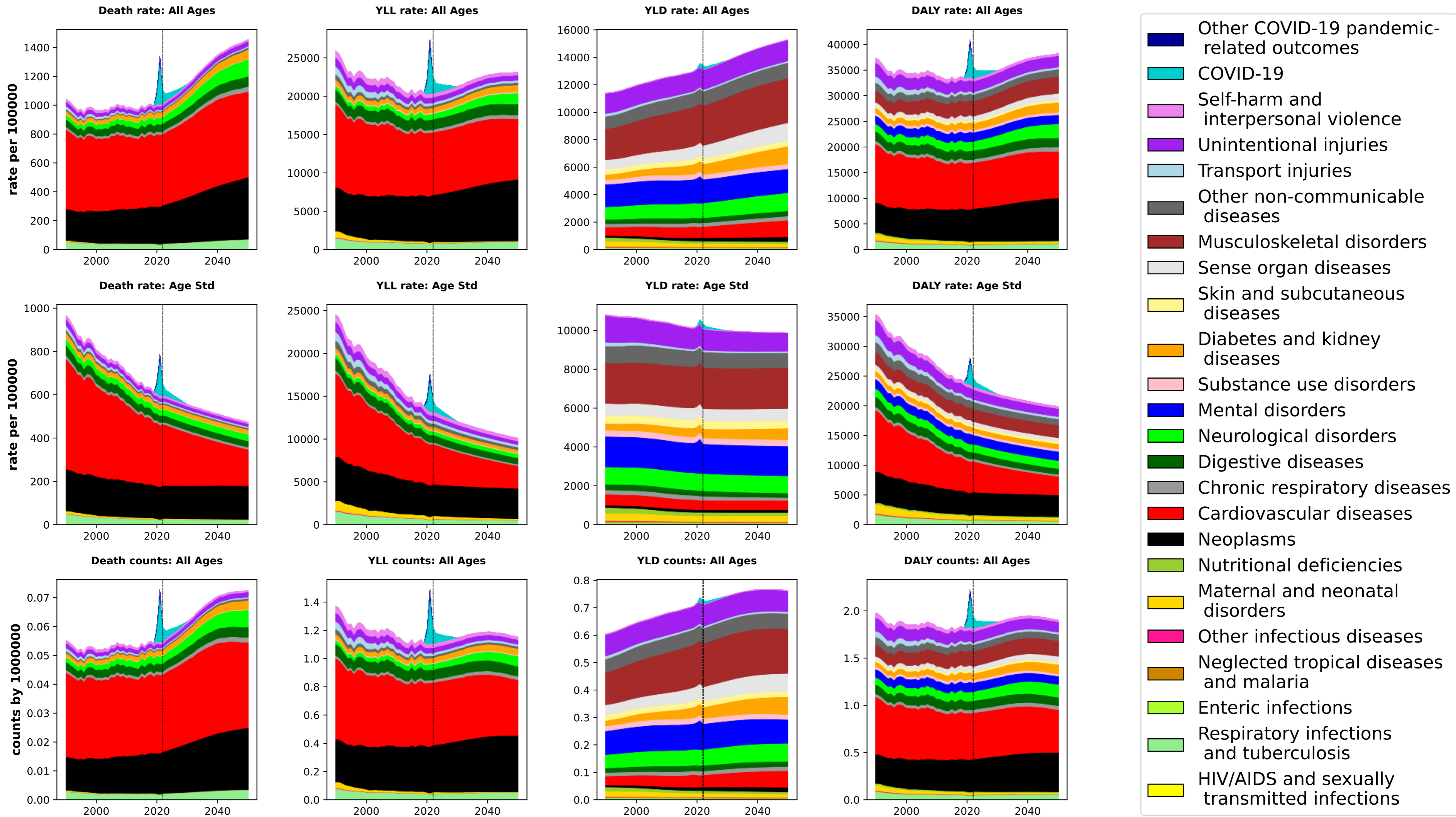




# Slovakia

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

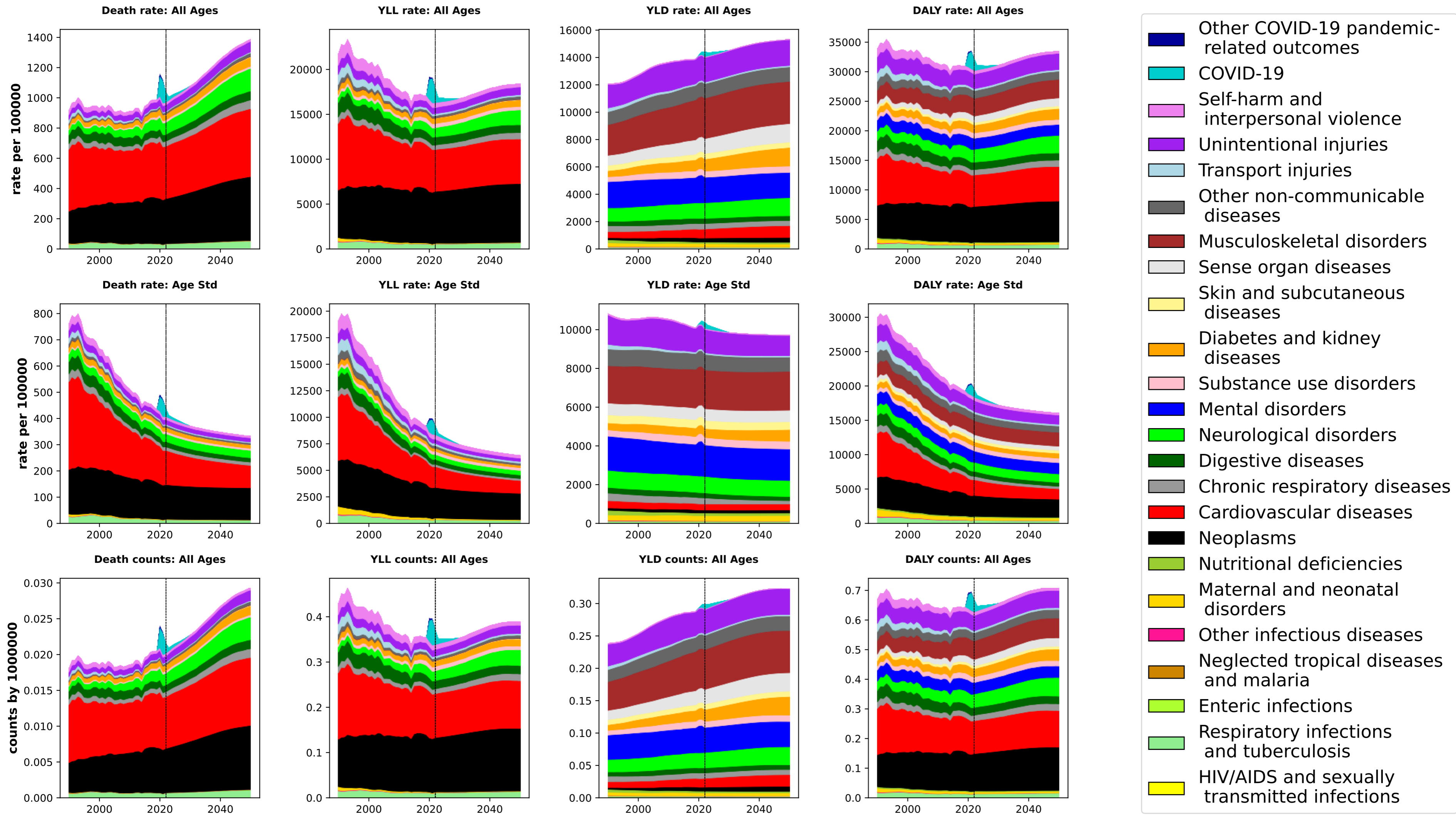
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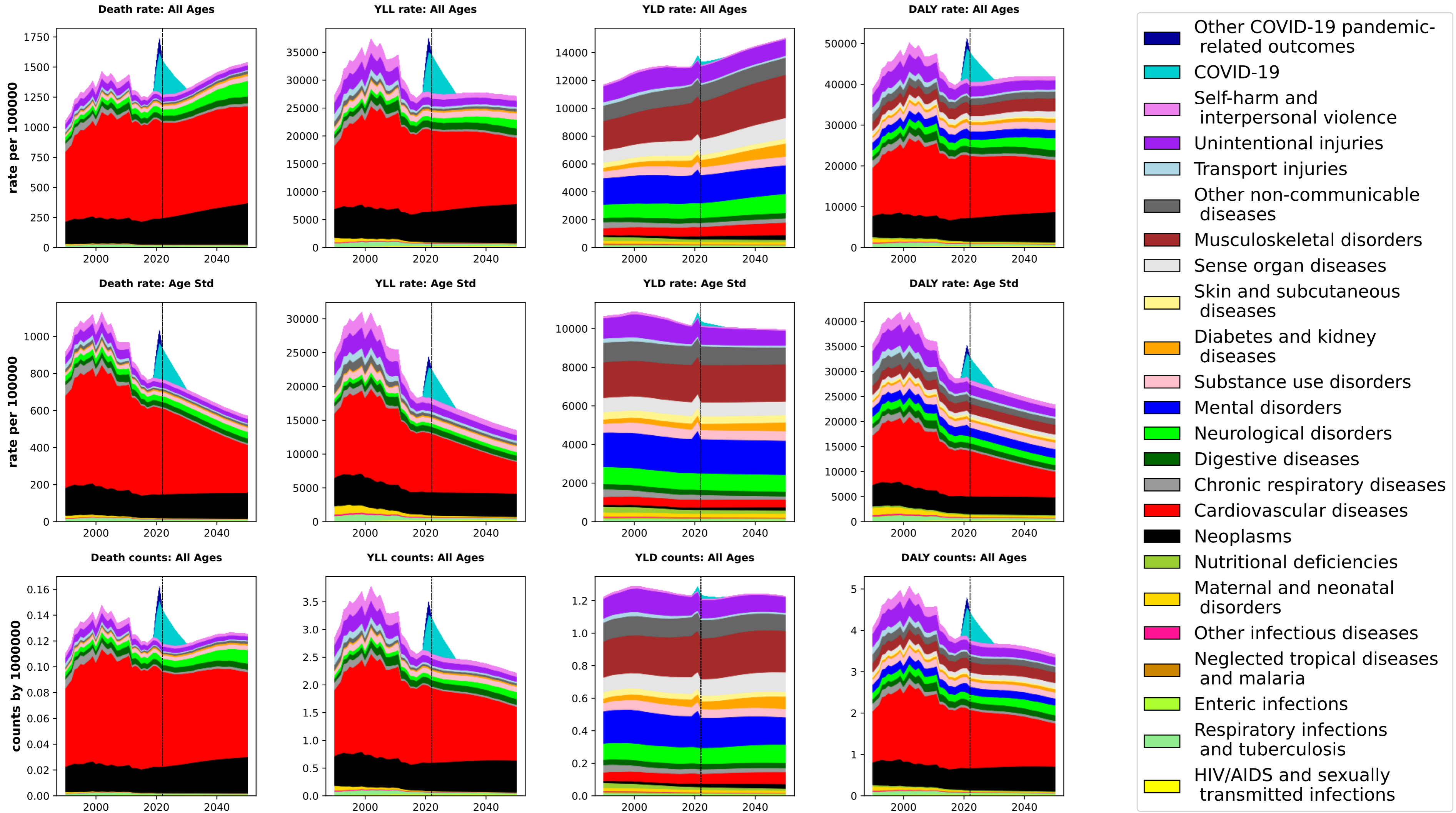
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Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

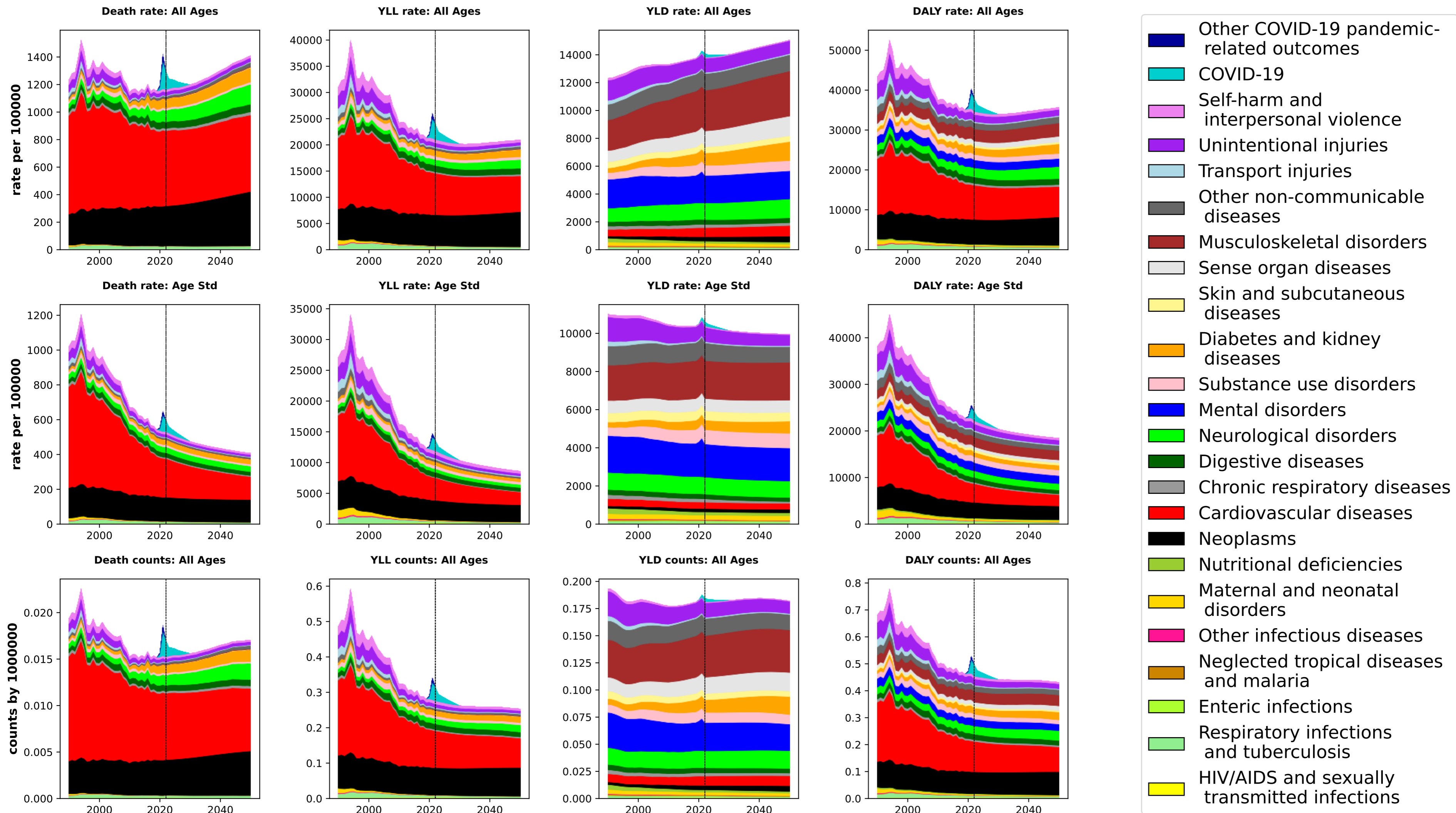
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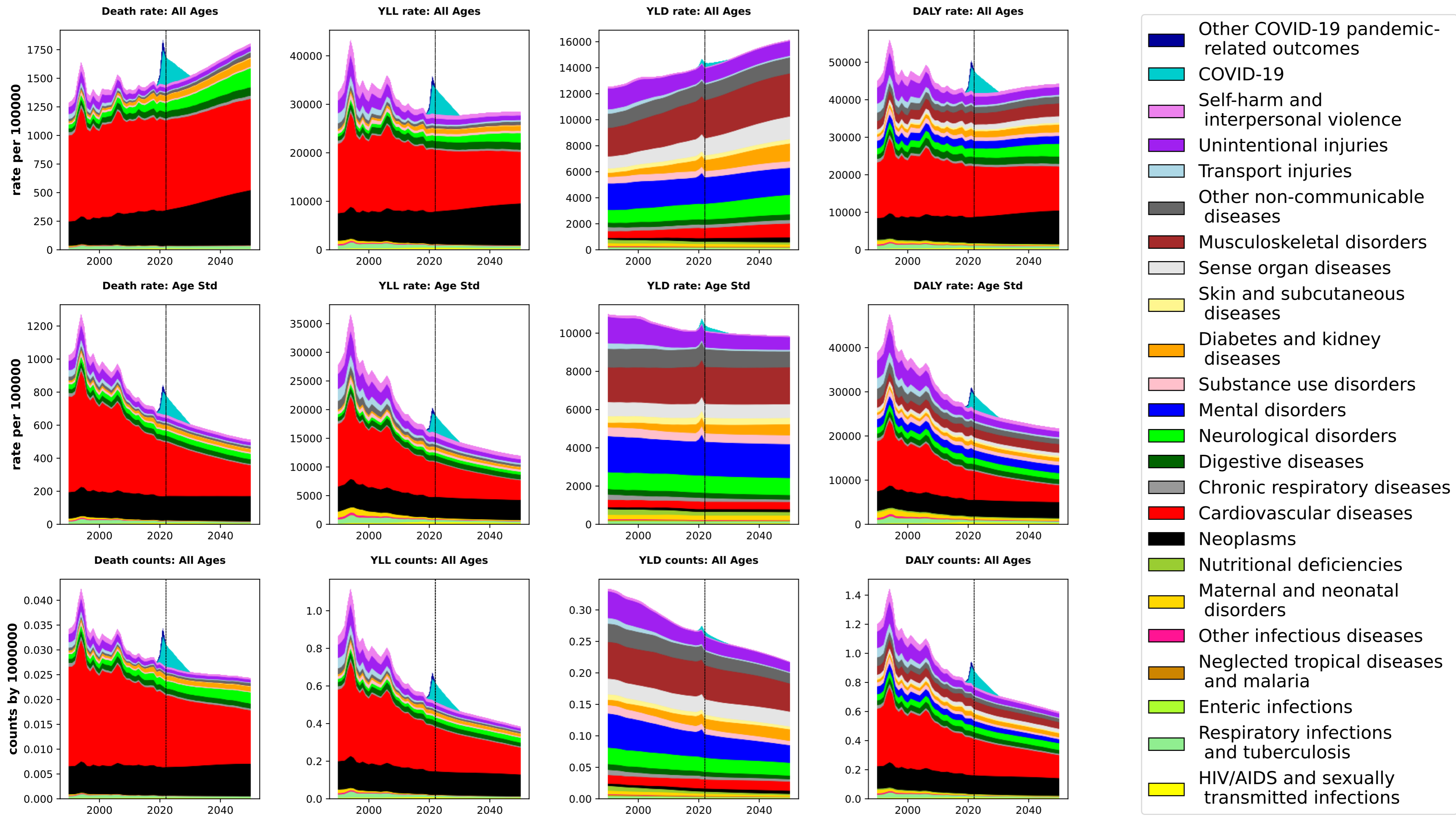
# Belarus



# Estonia

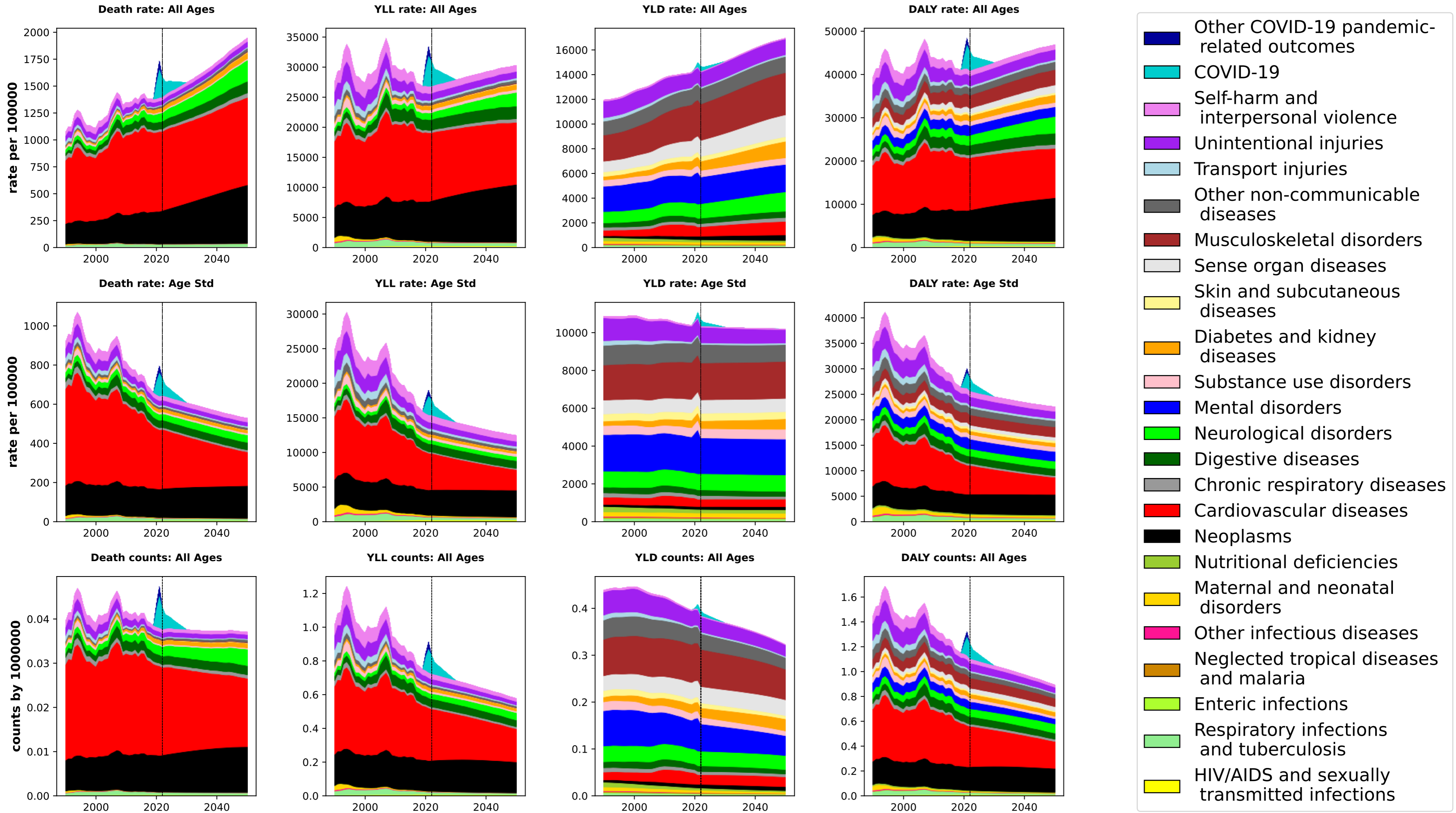


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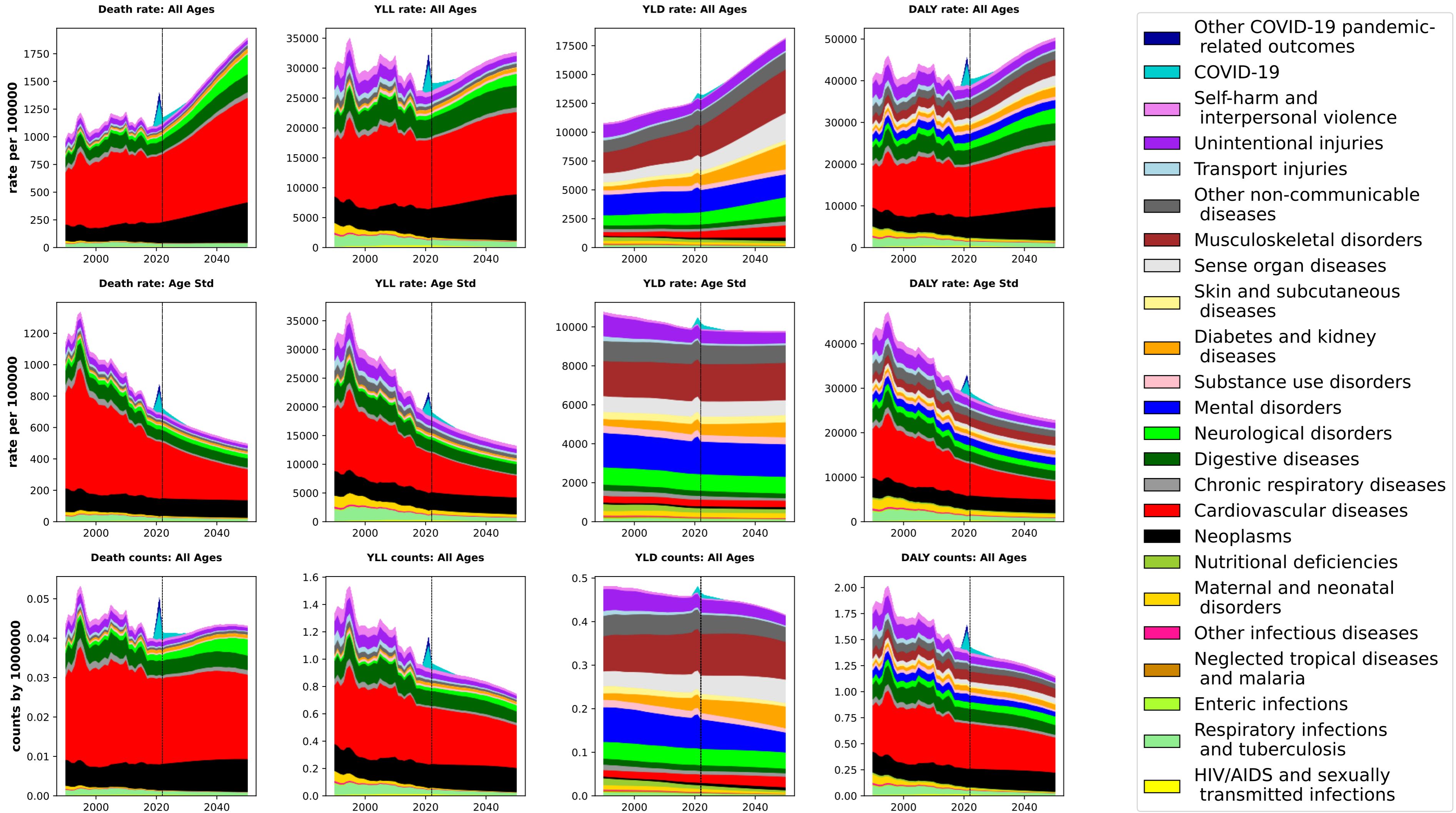




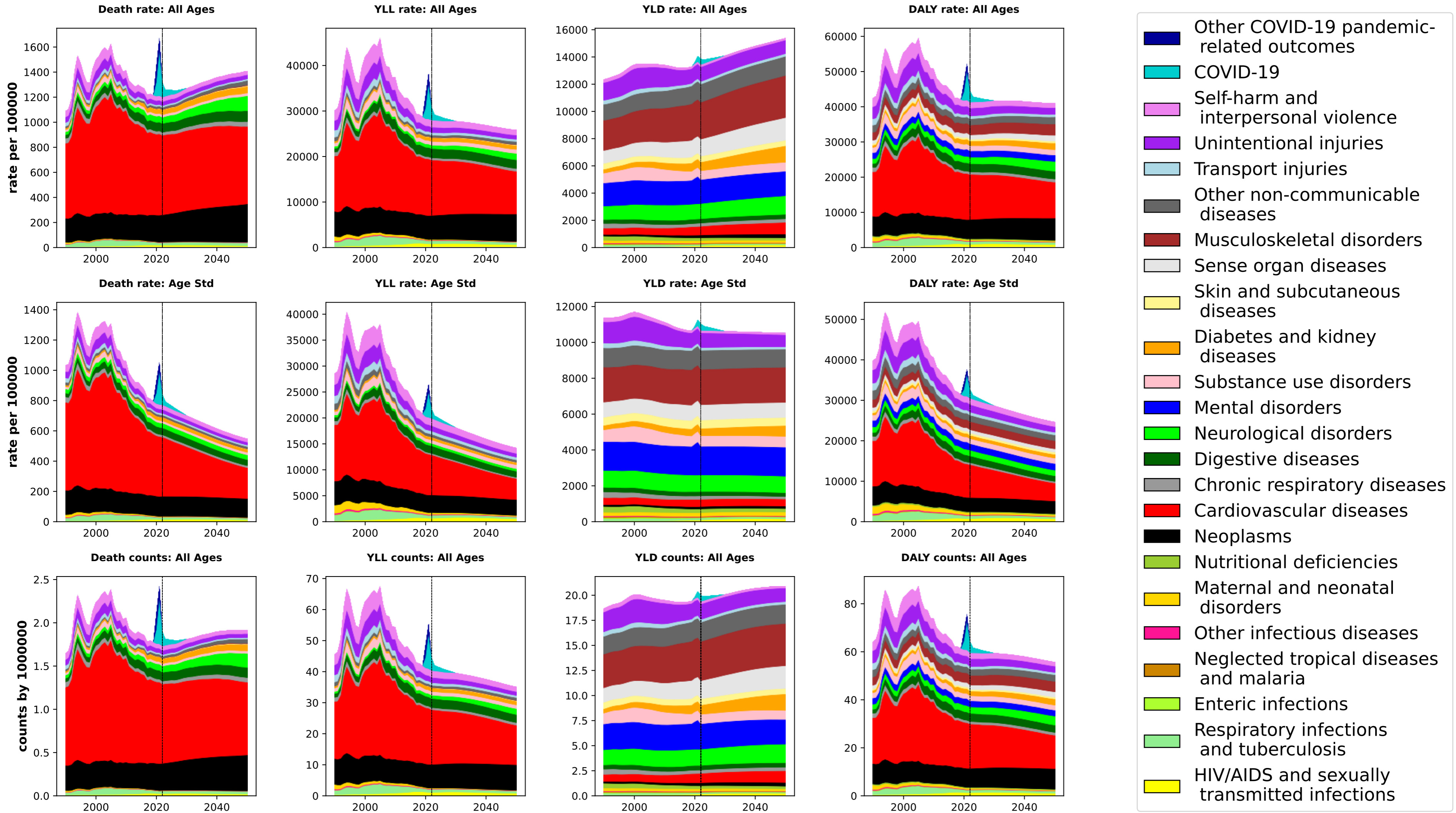
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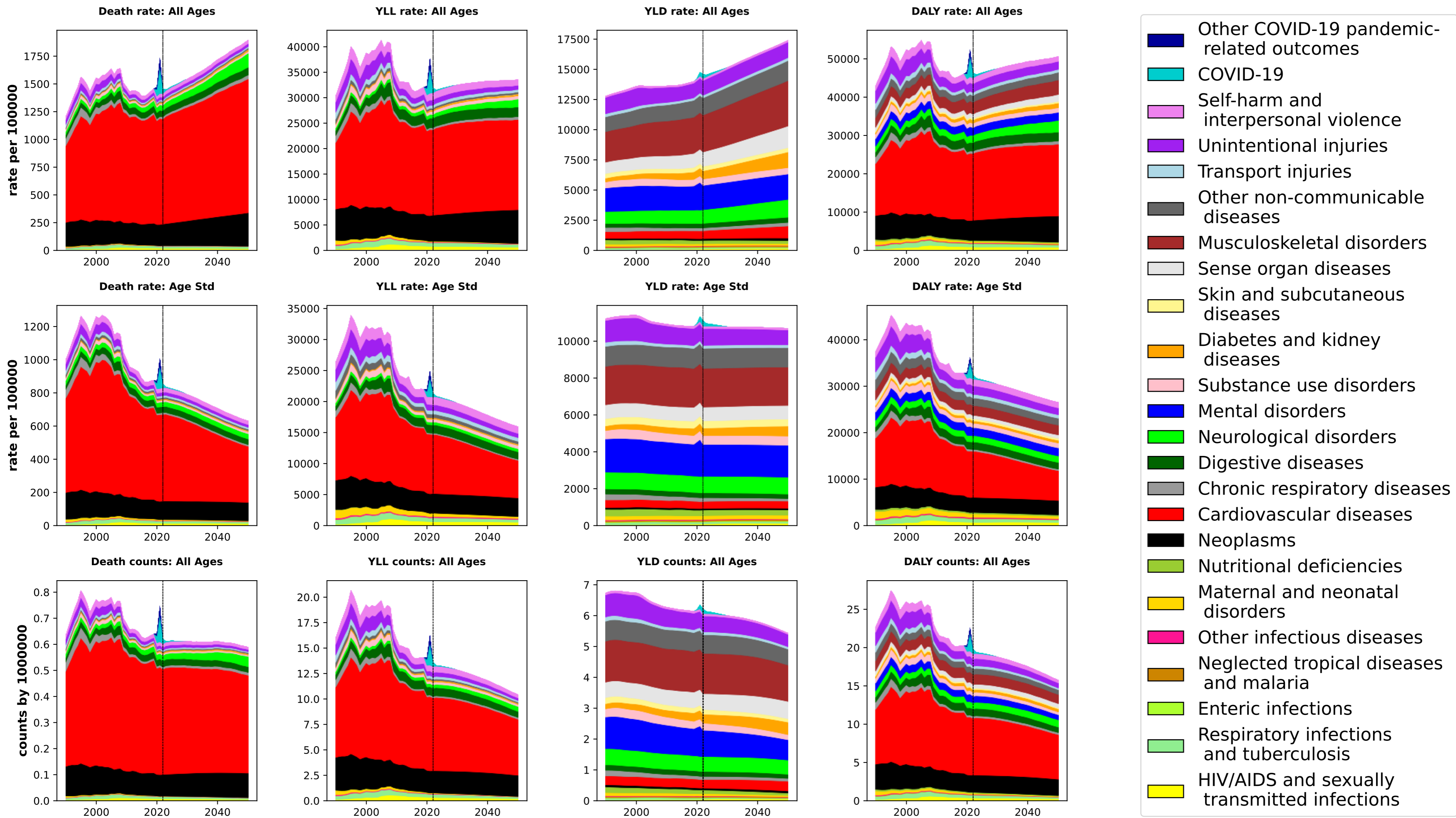
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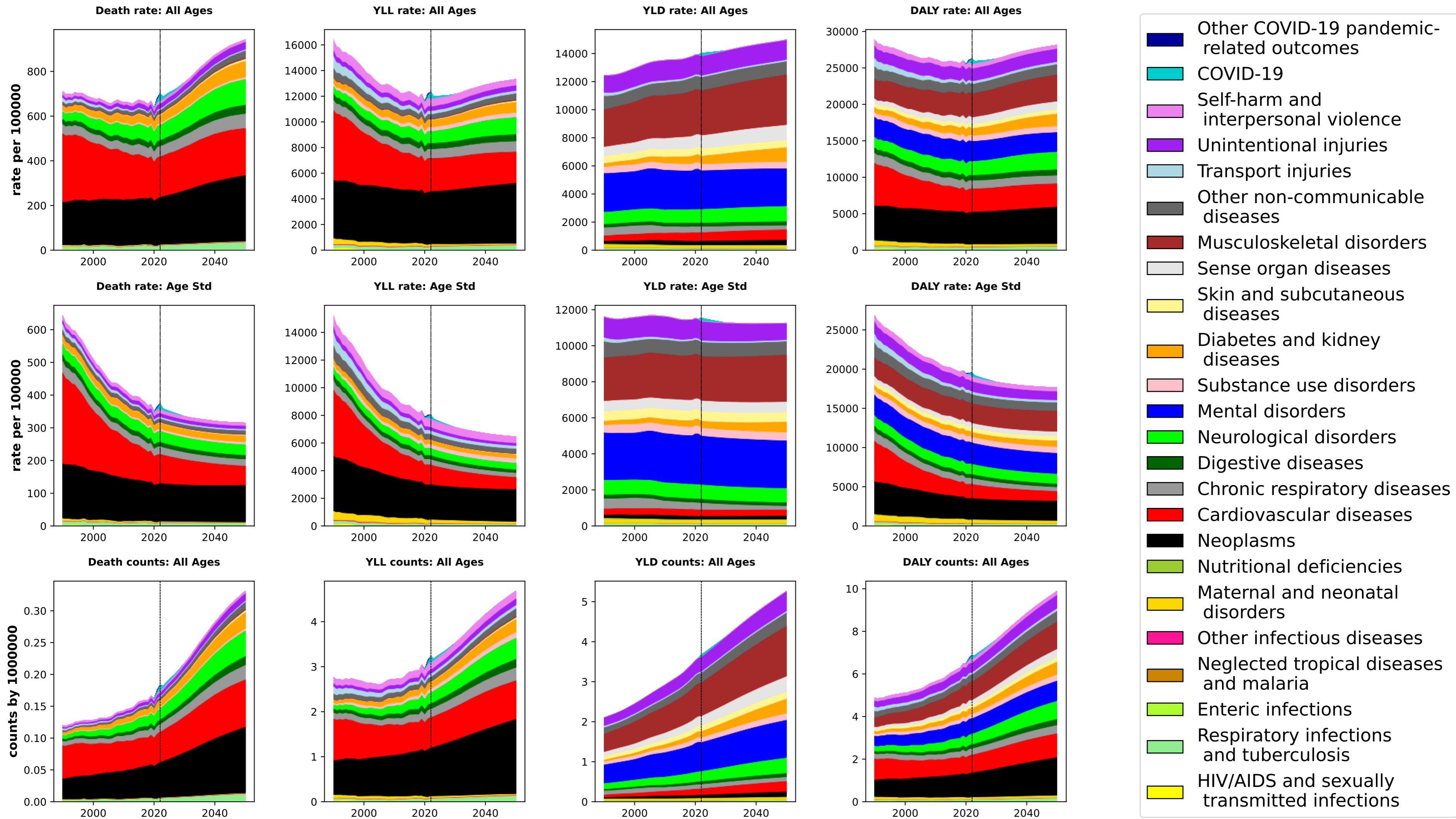
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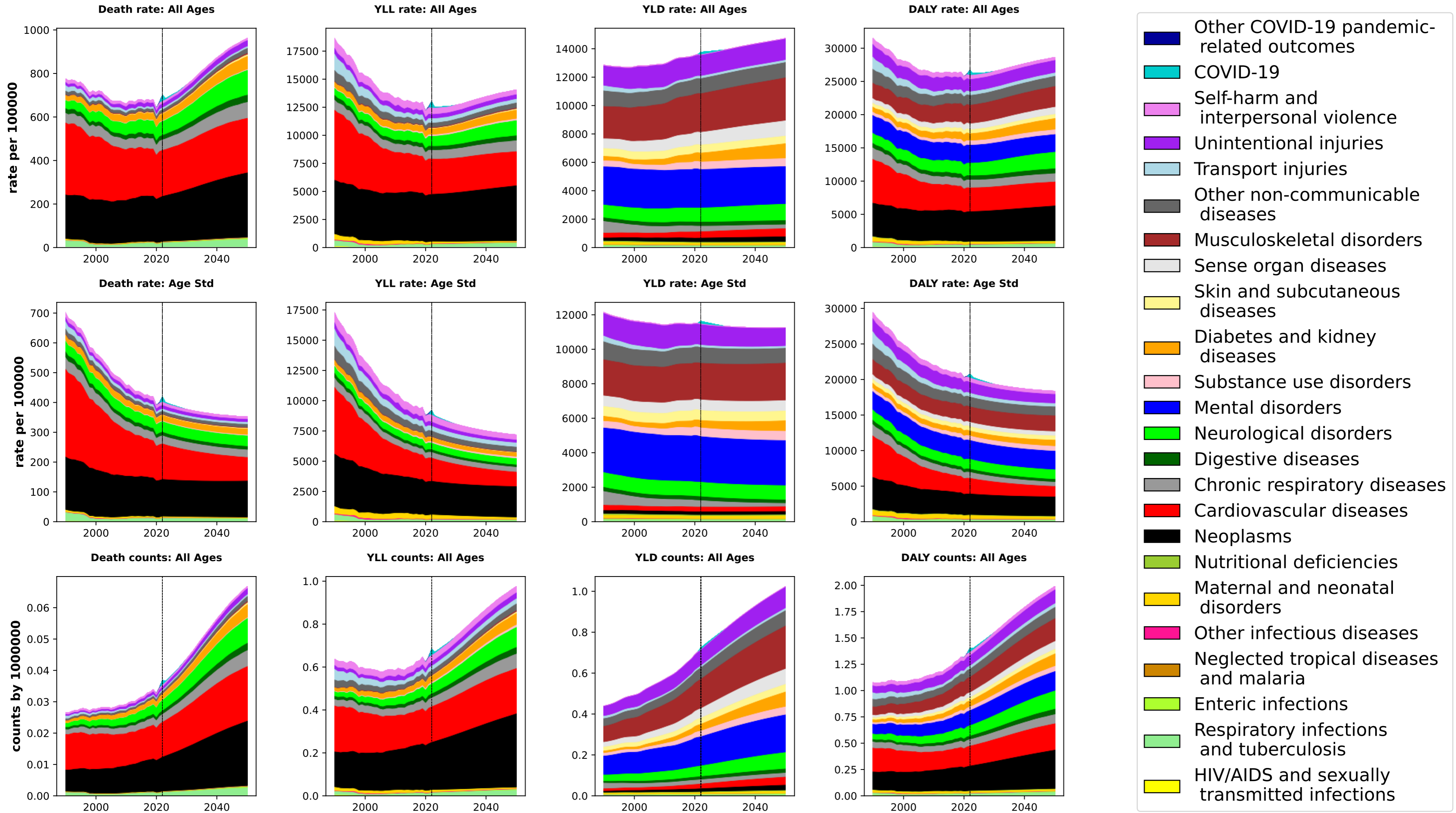
# Ukraine



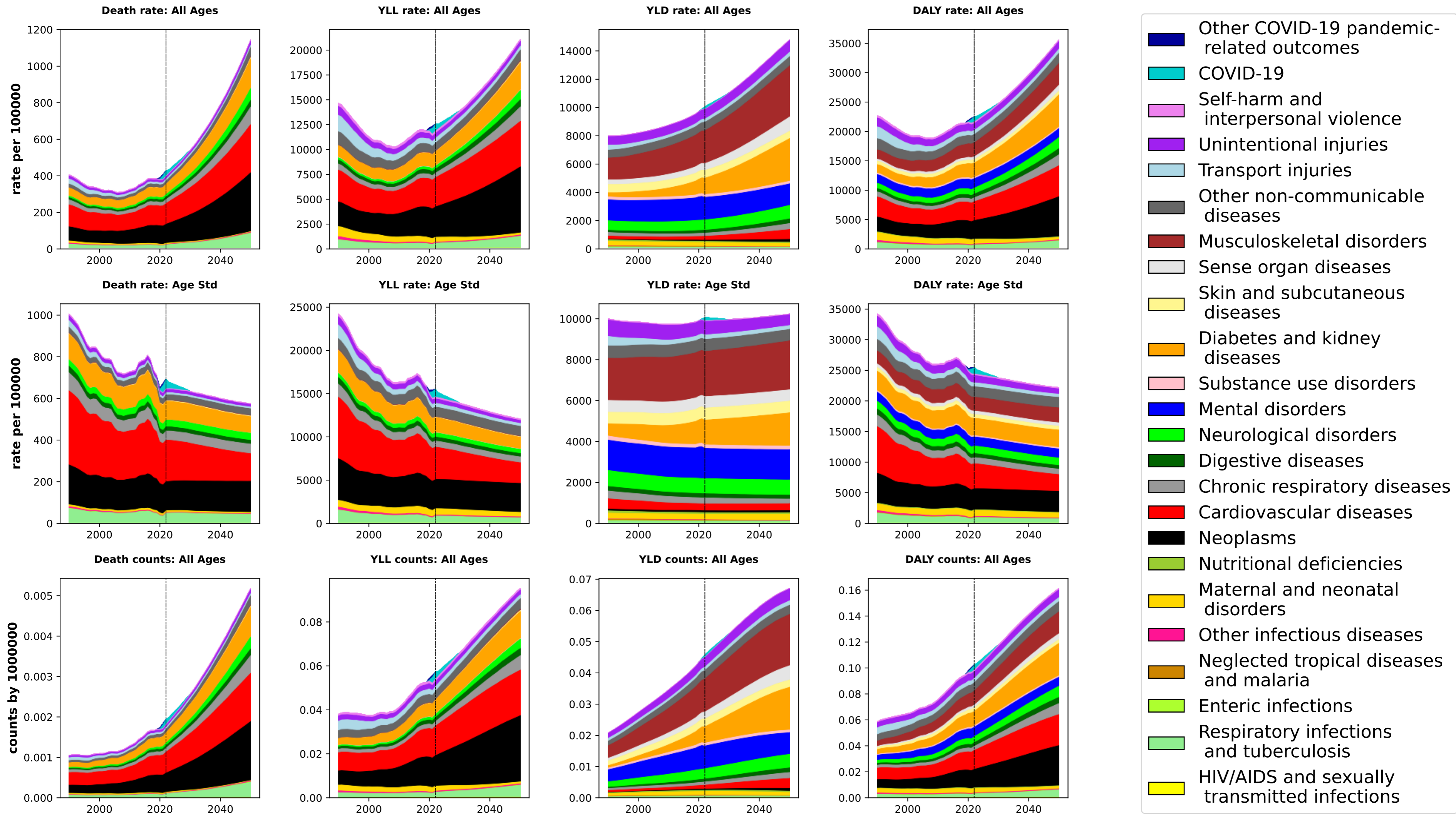
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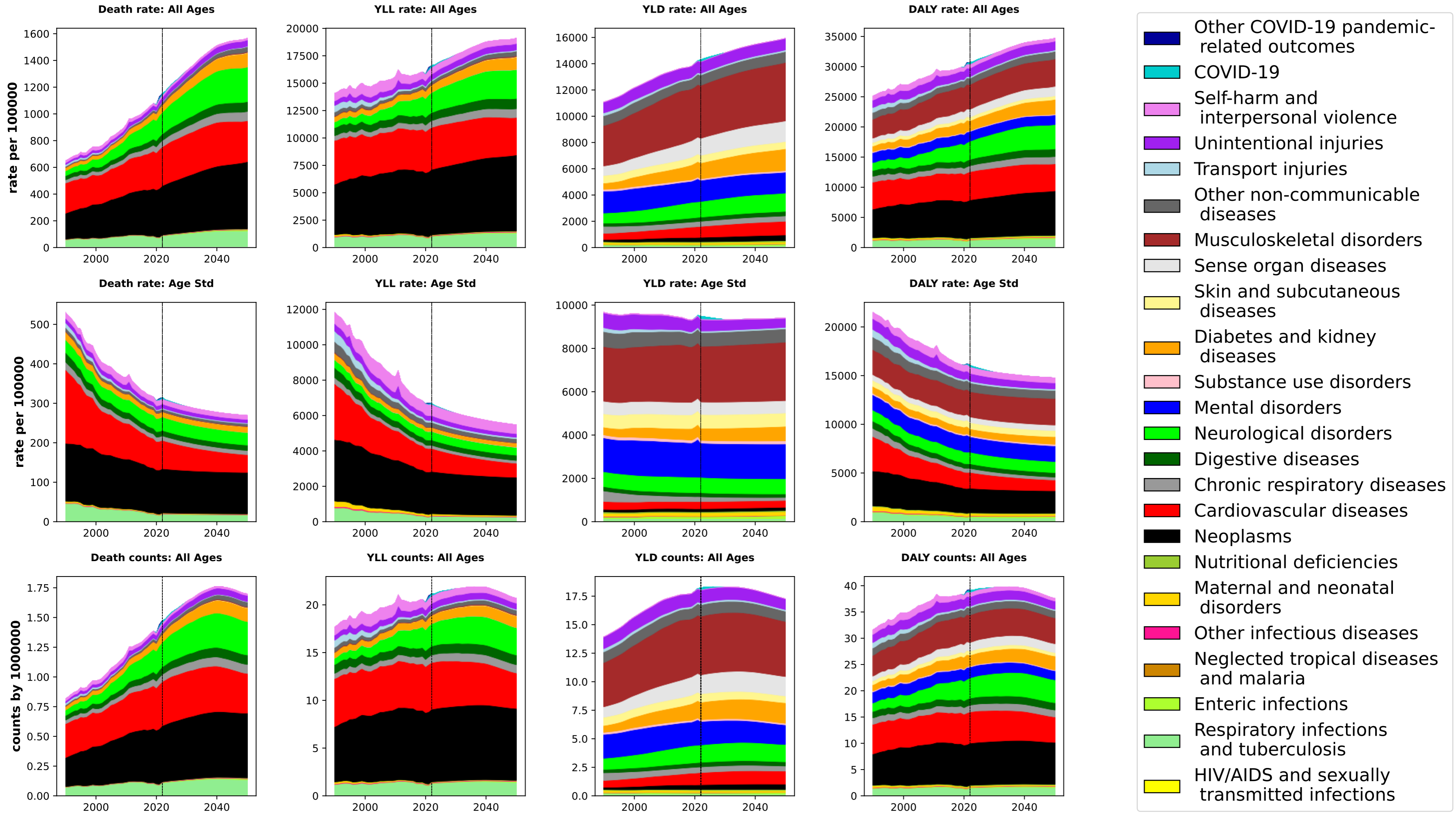
# New Zealand



# Brunei

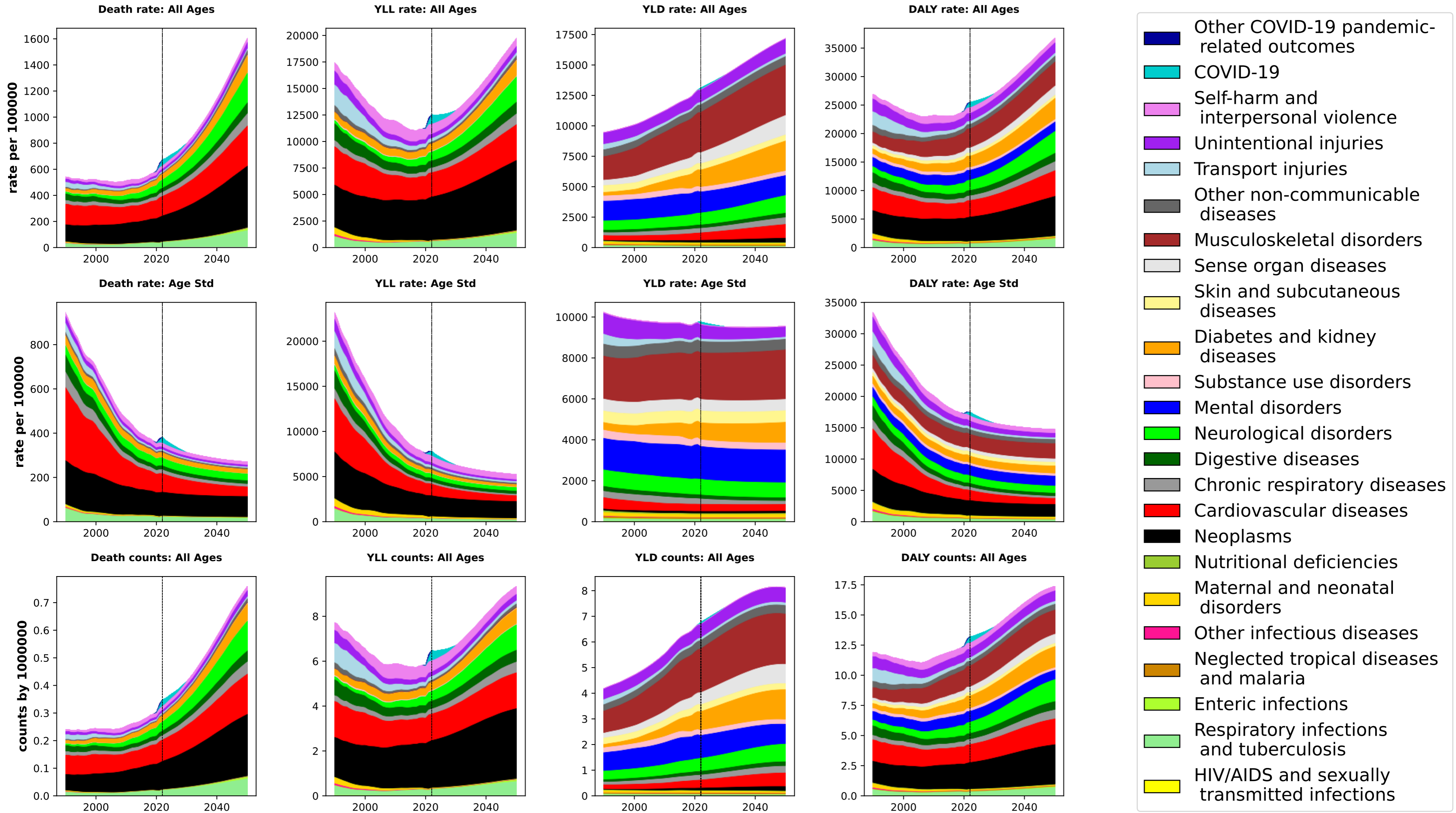


# Japan

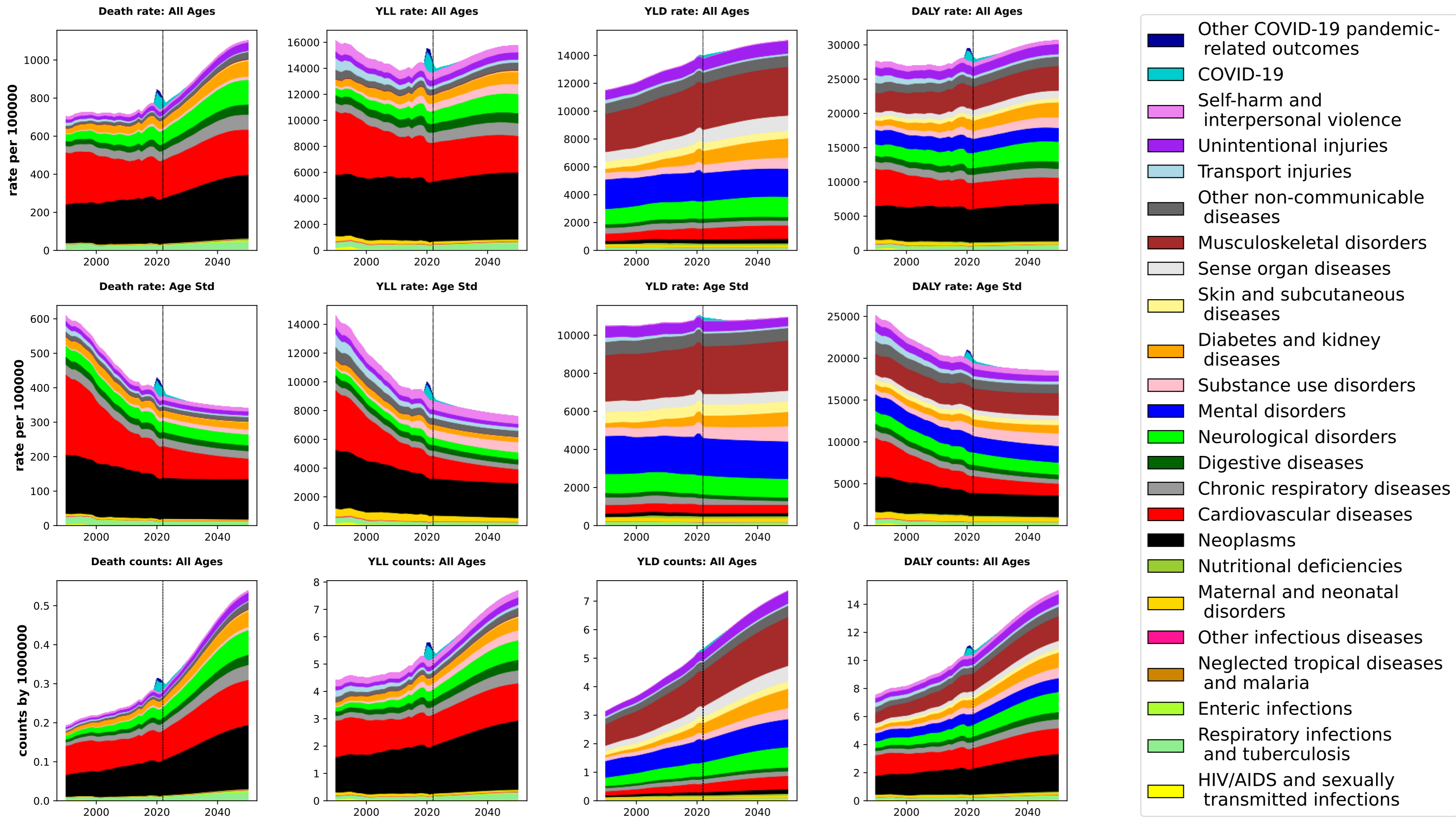




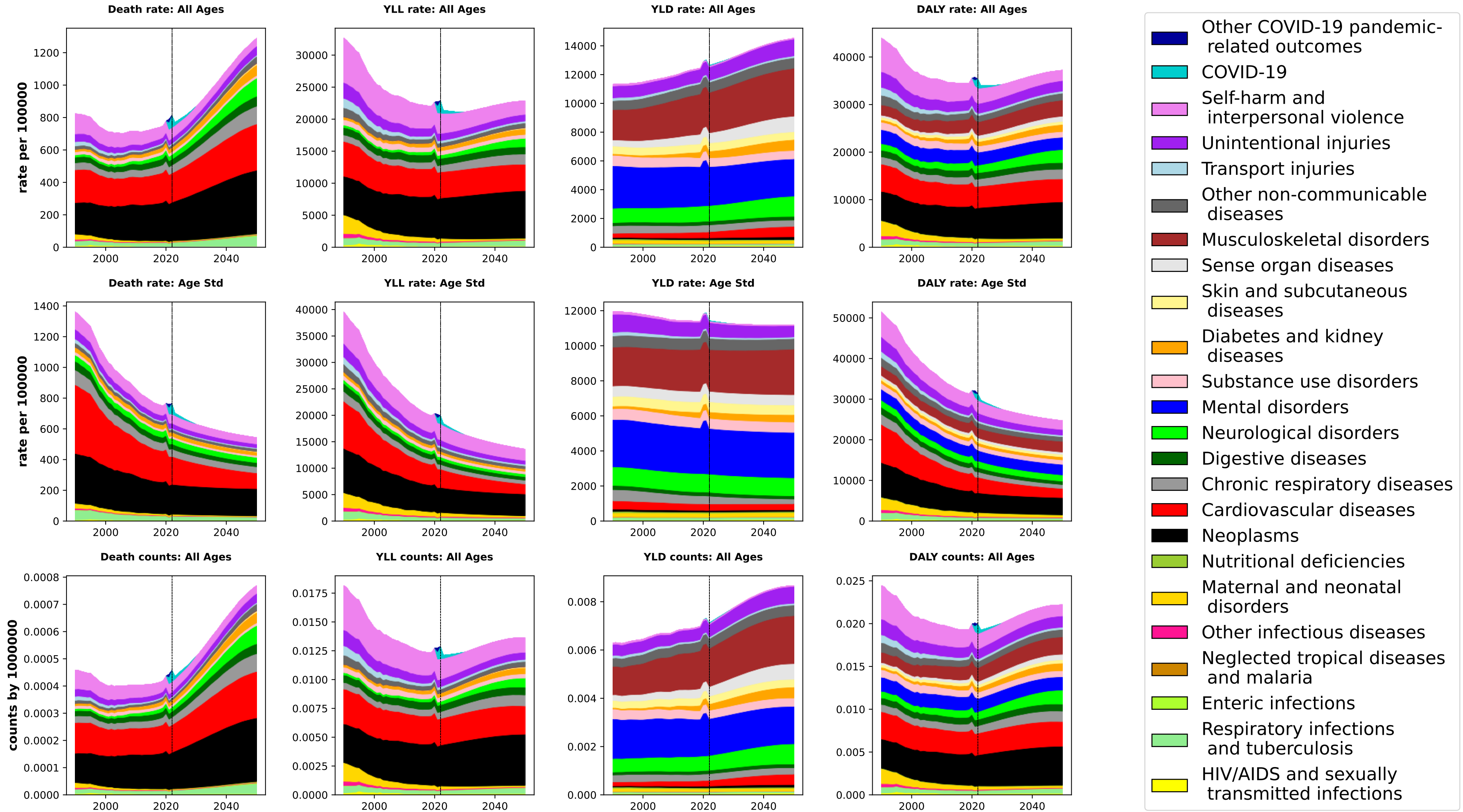
# South Korea

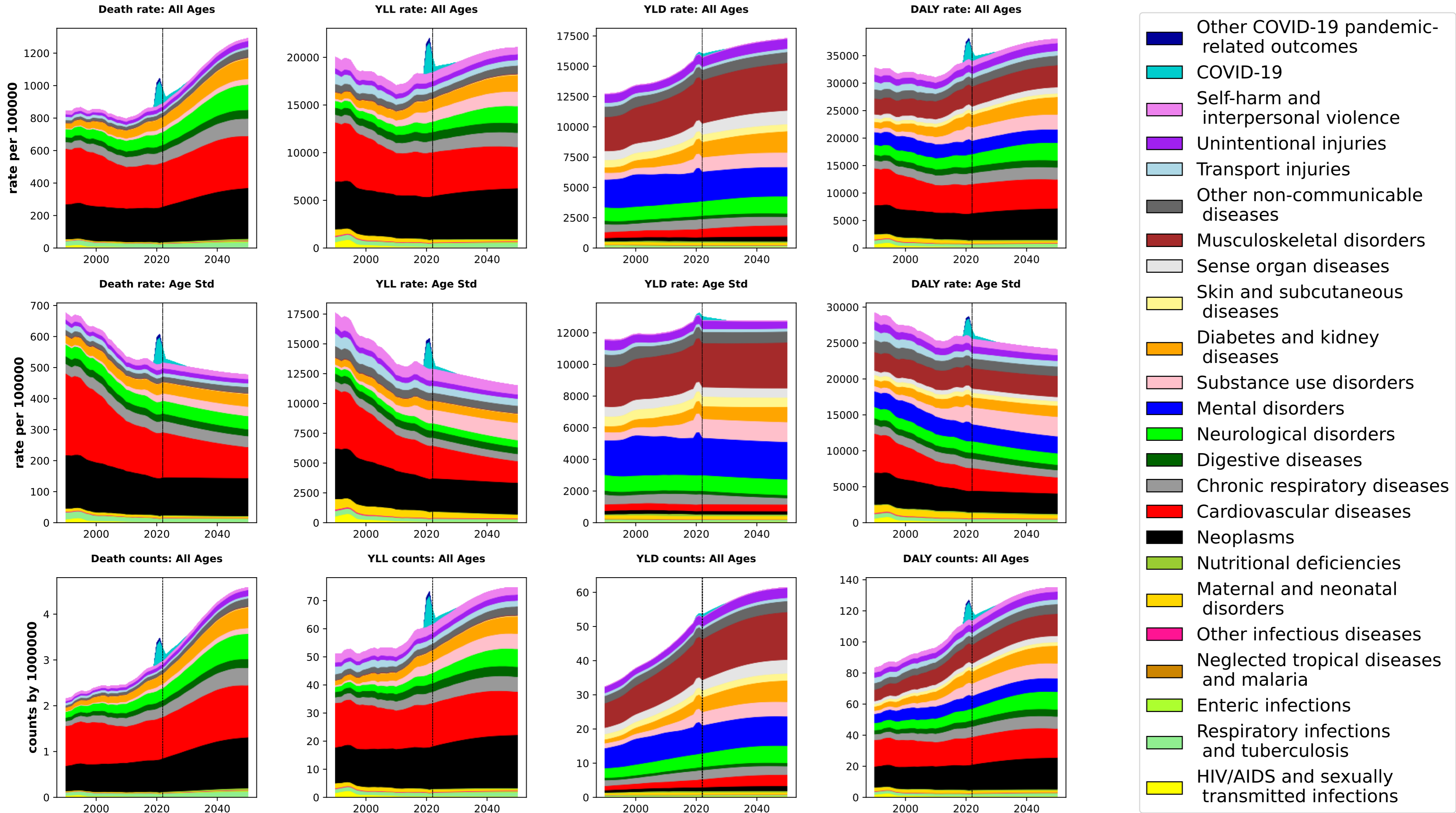




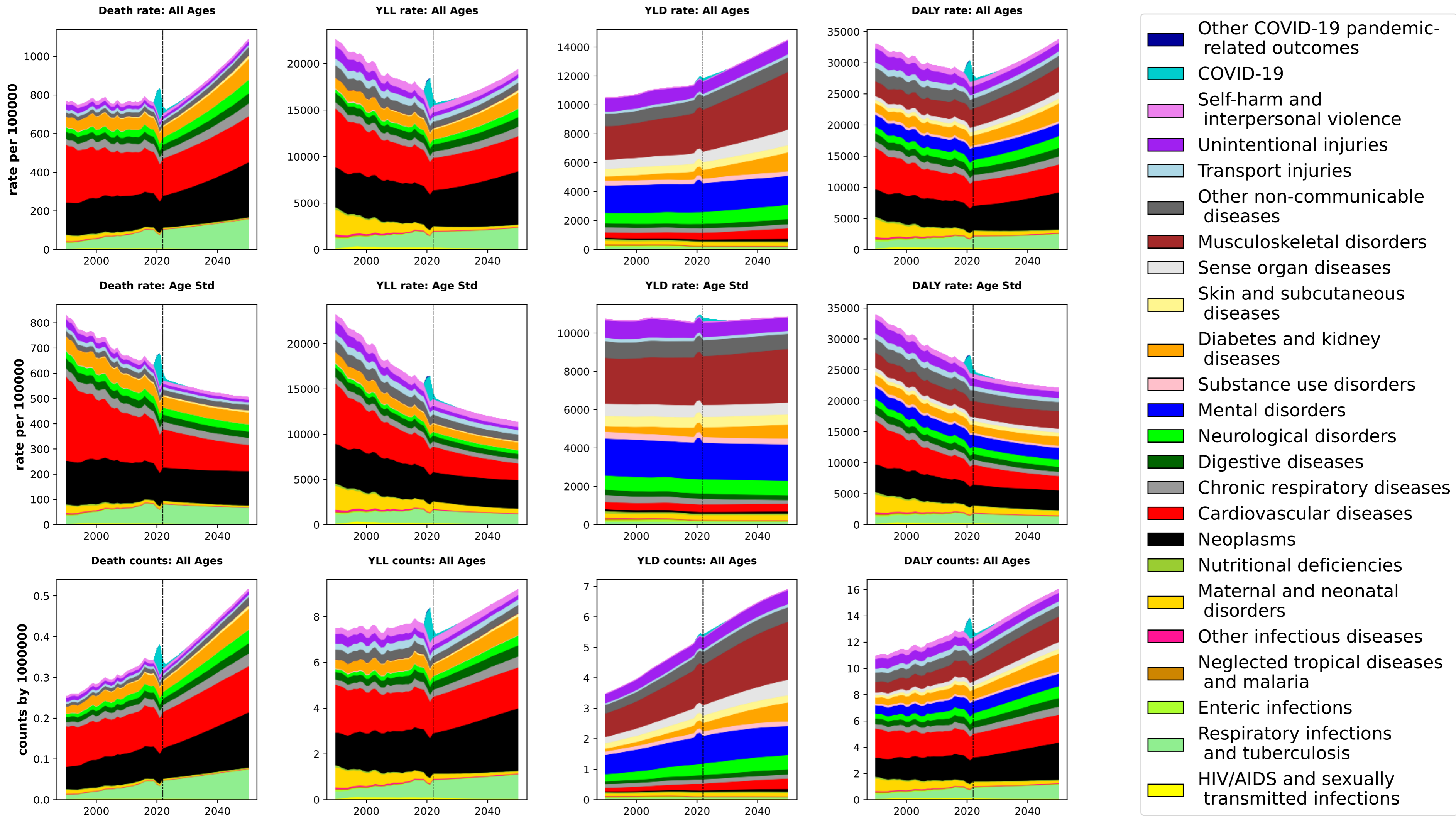


# Greenland

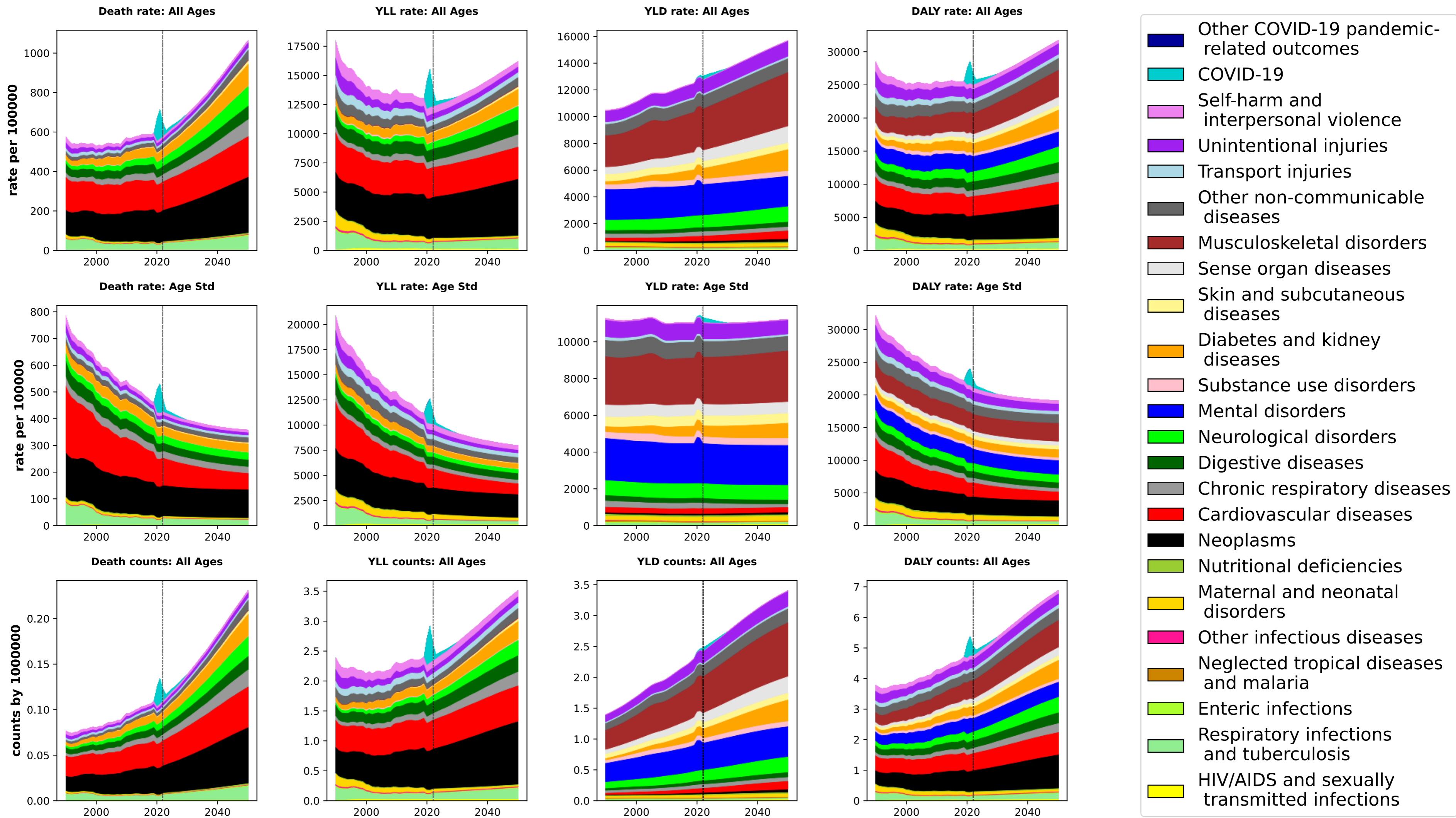




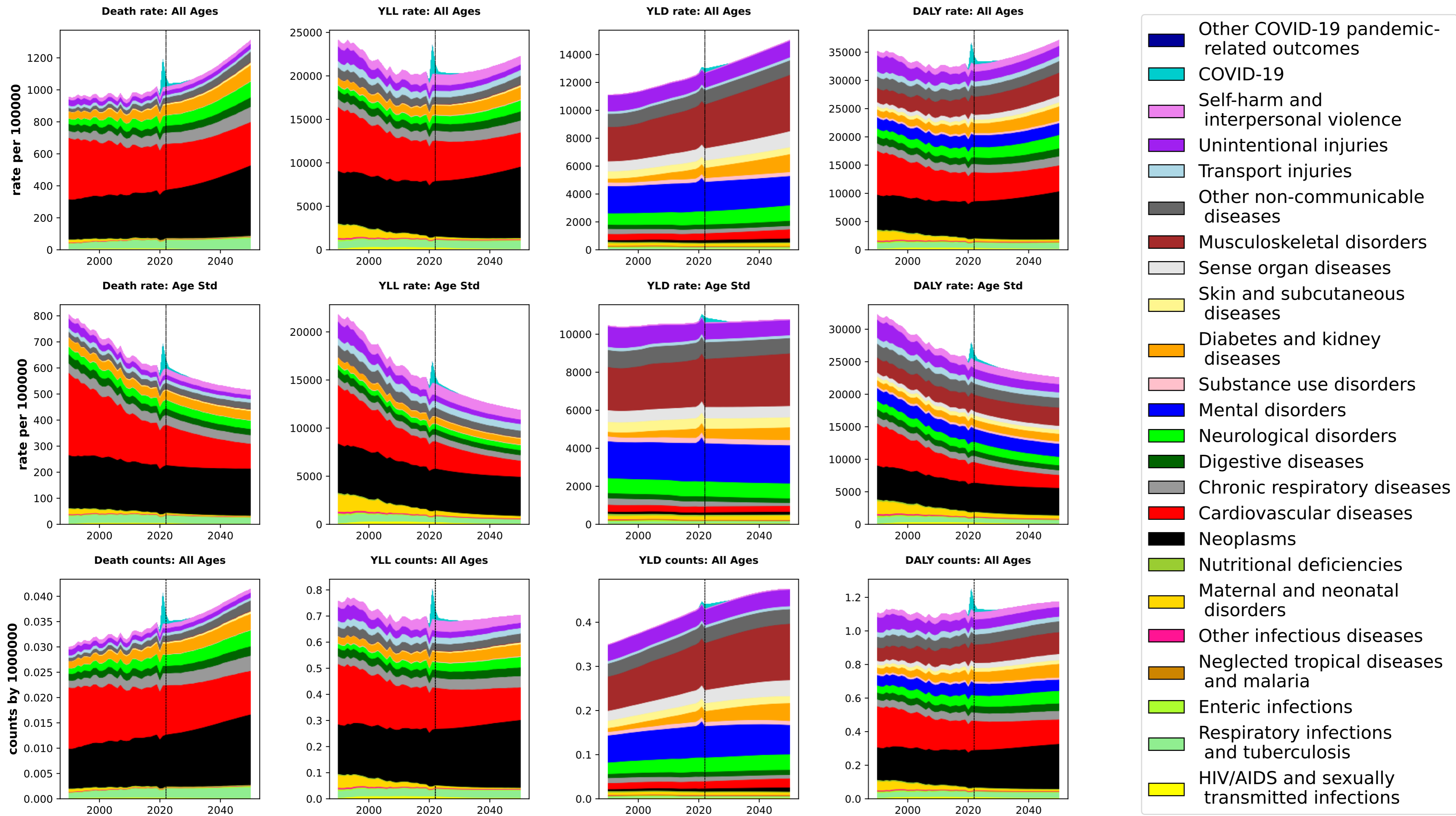
# Argentina



# Chile

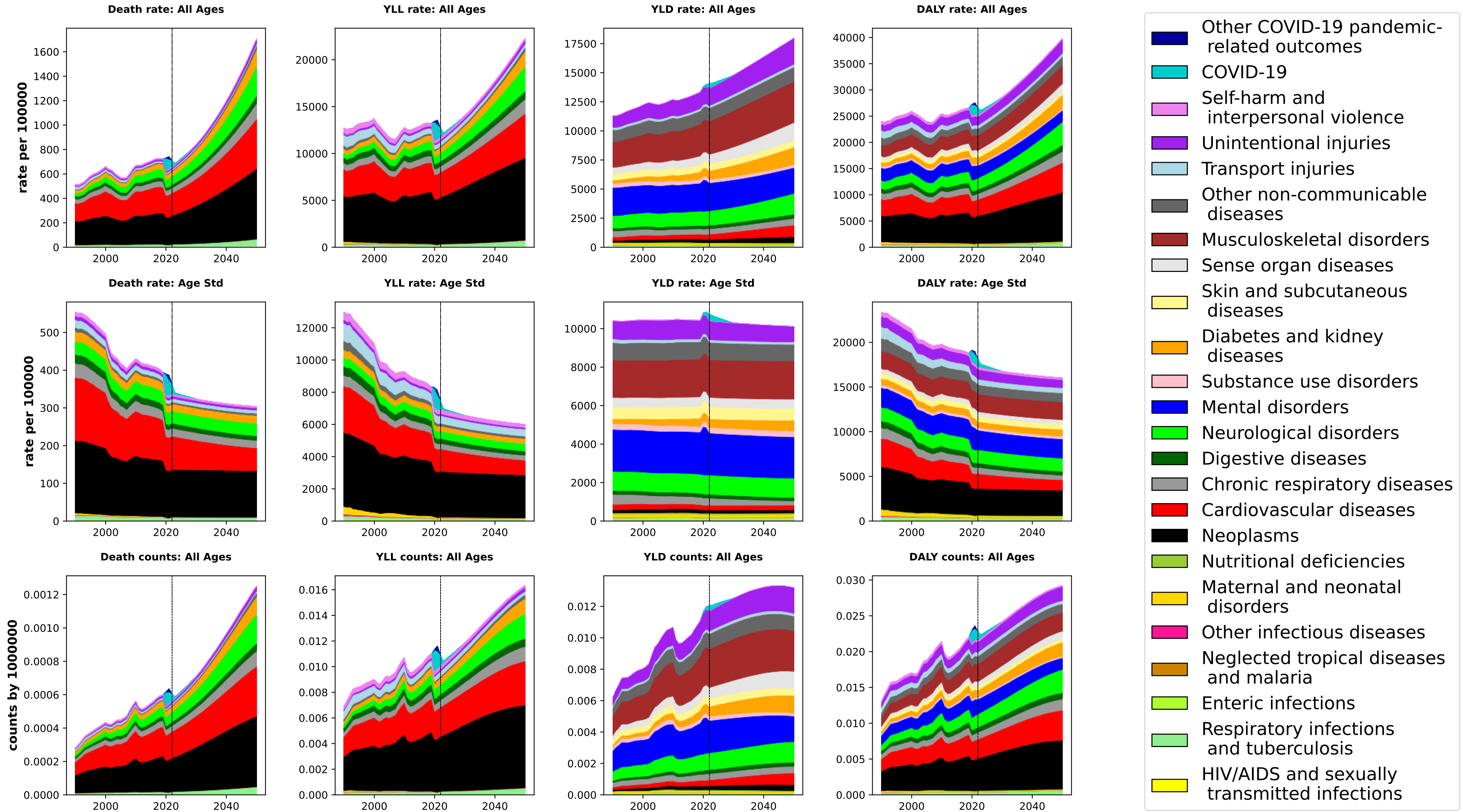


# Uruguay

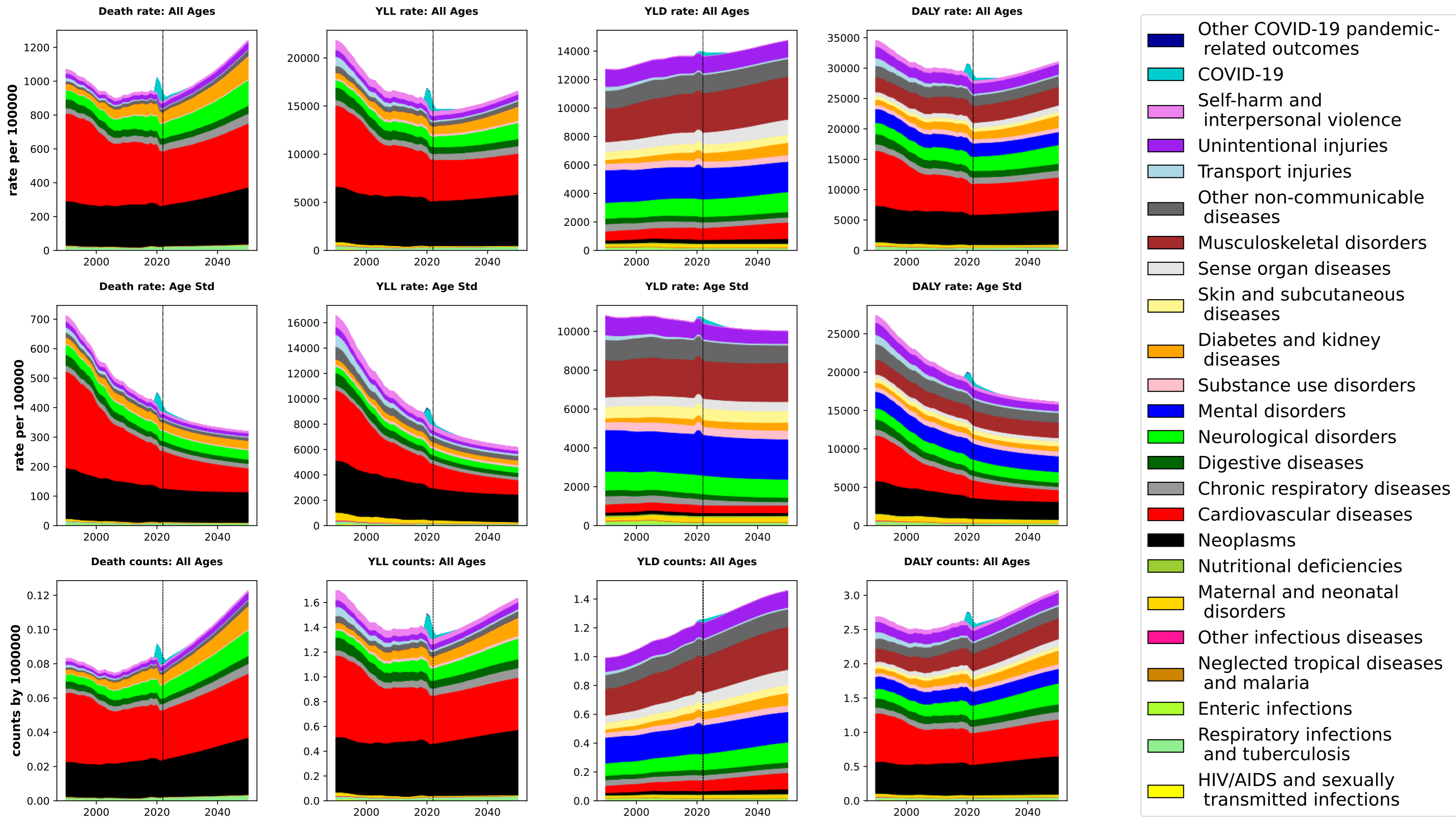




# Andorra



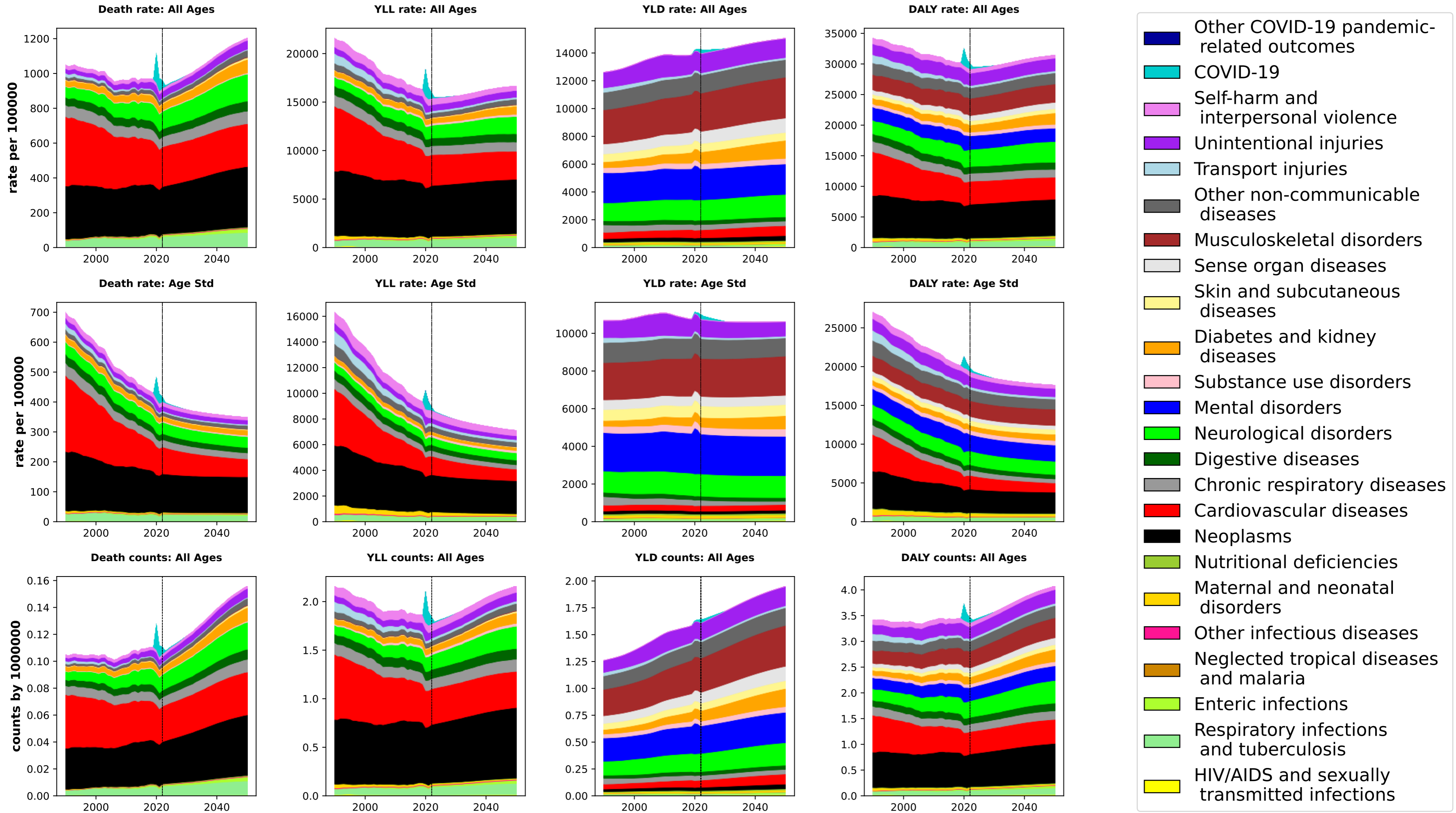
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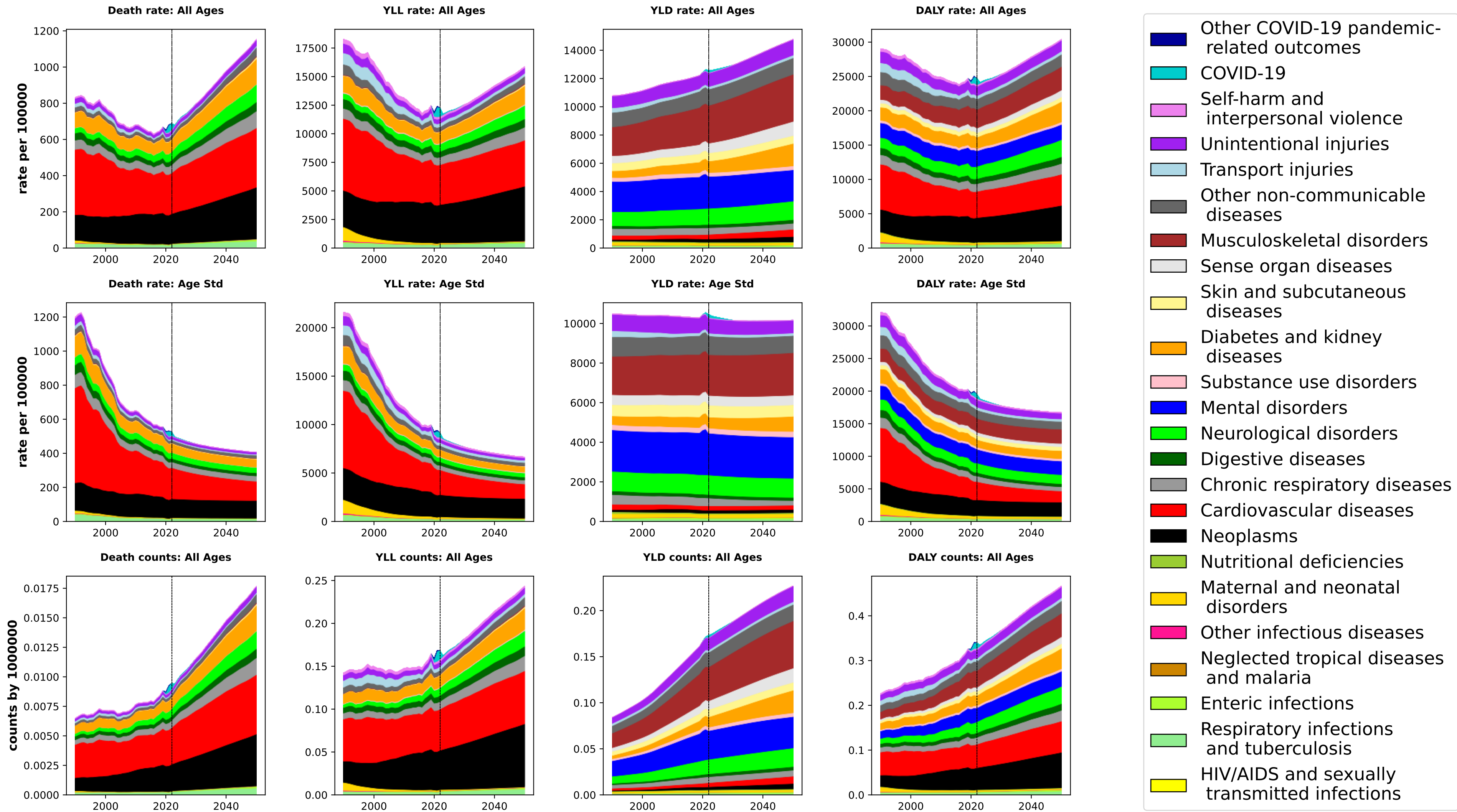
# Belgium

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

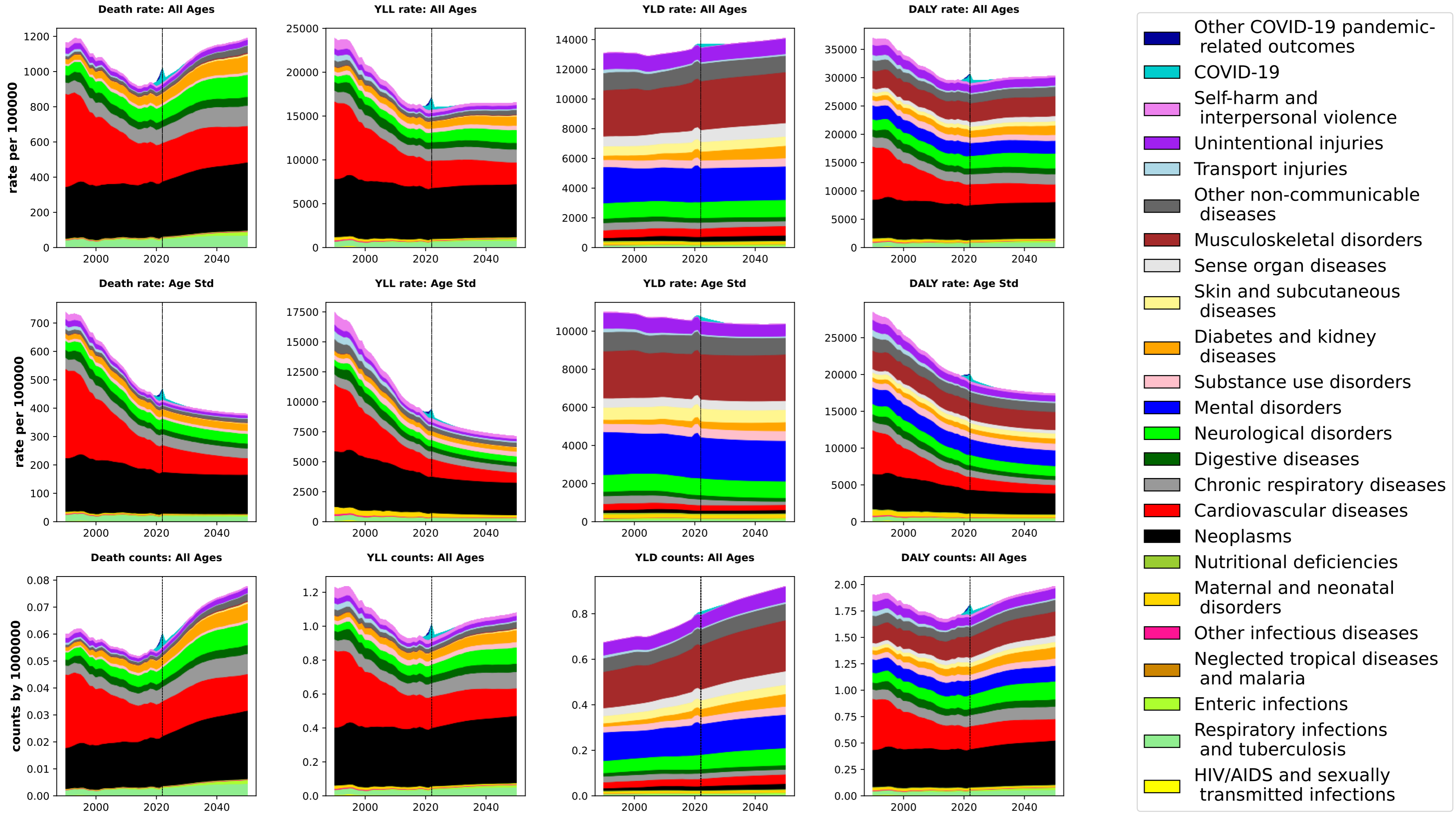
754



# Cyprus



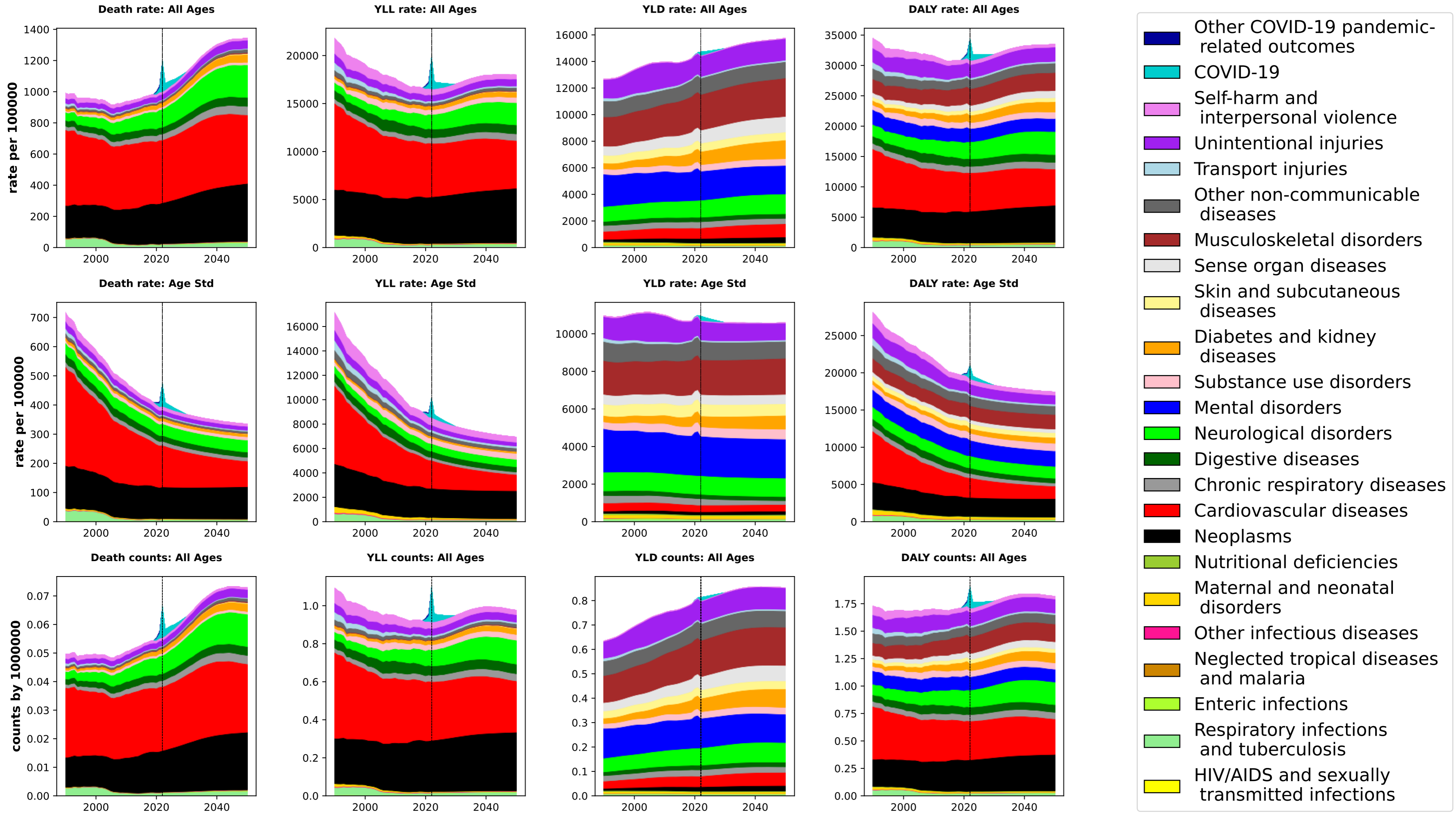
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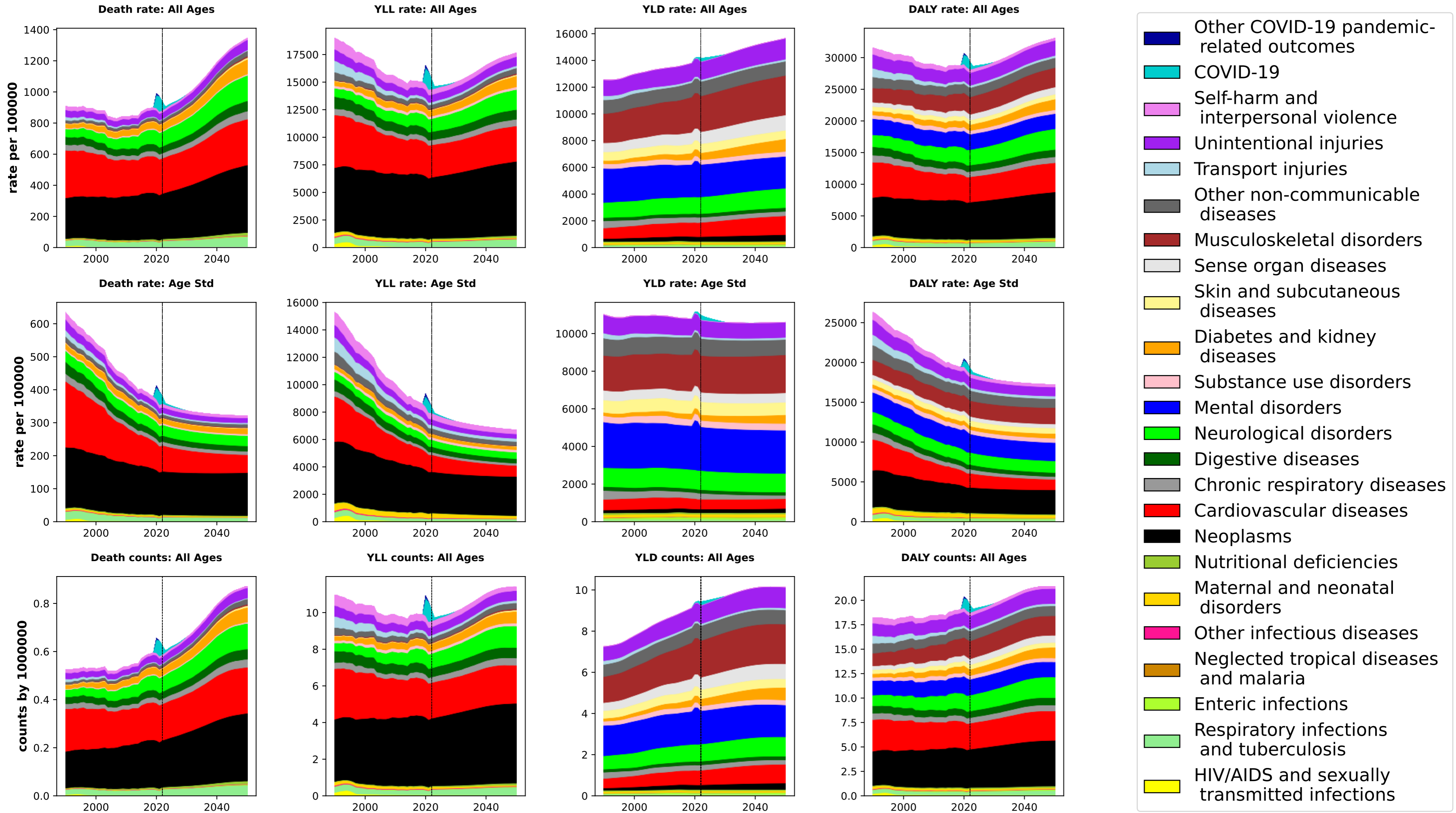
# Finland

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

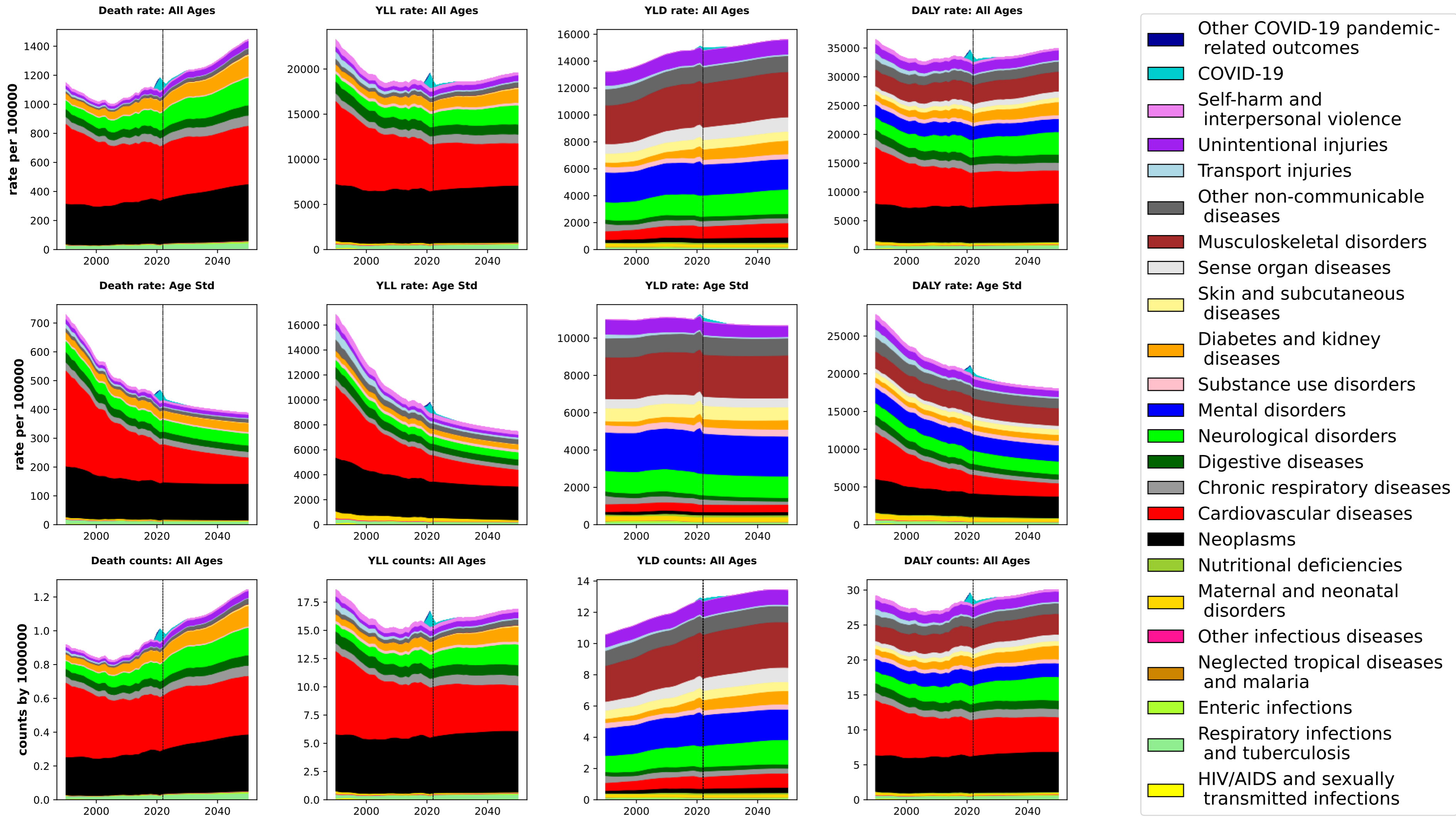
757



# France

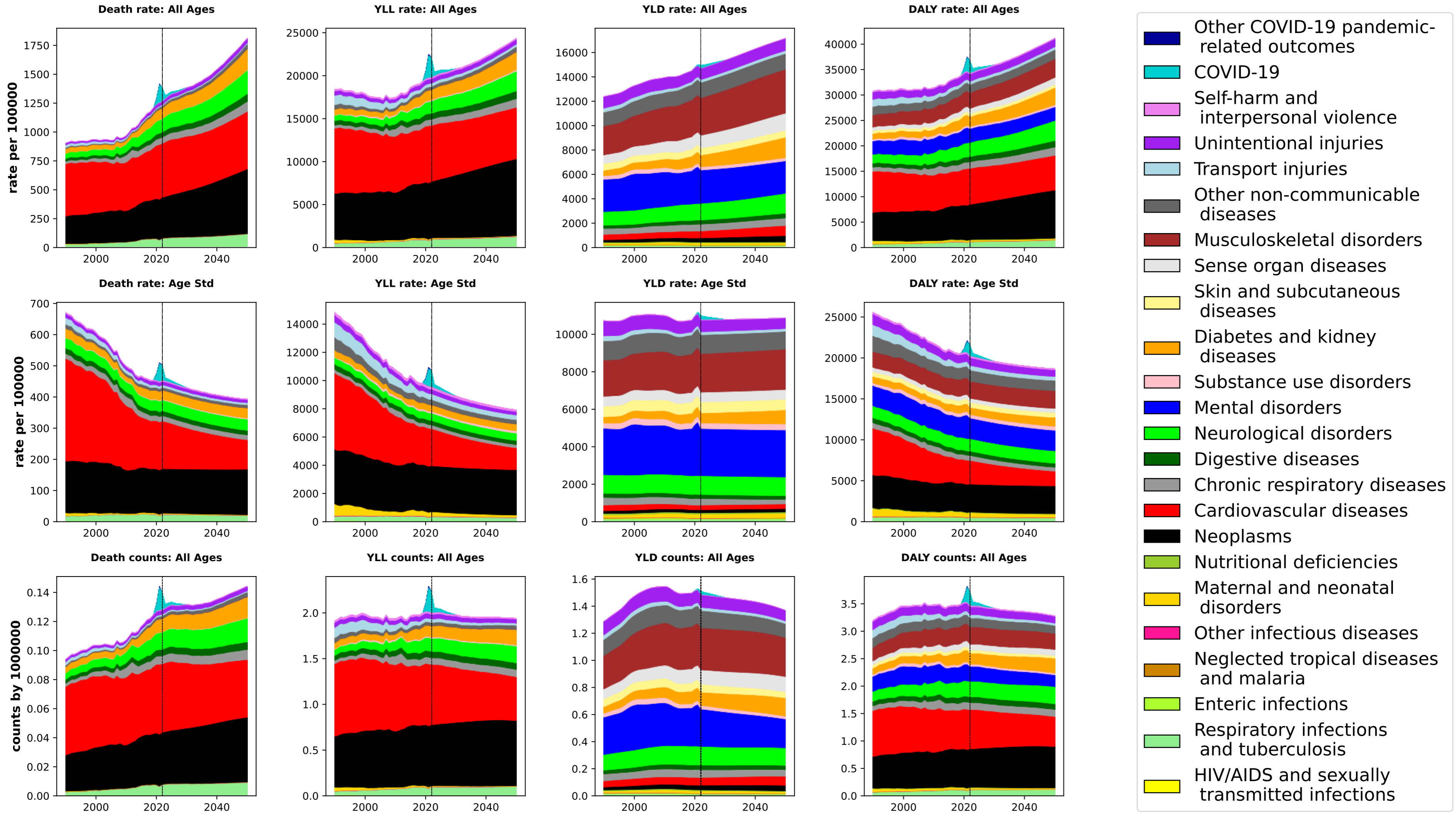


# Germany

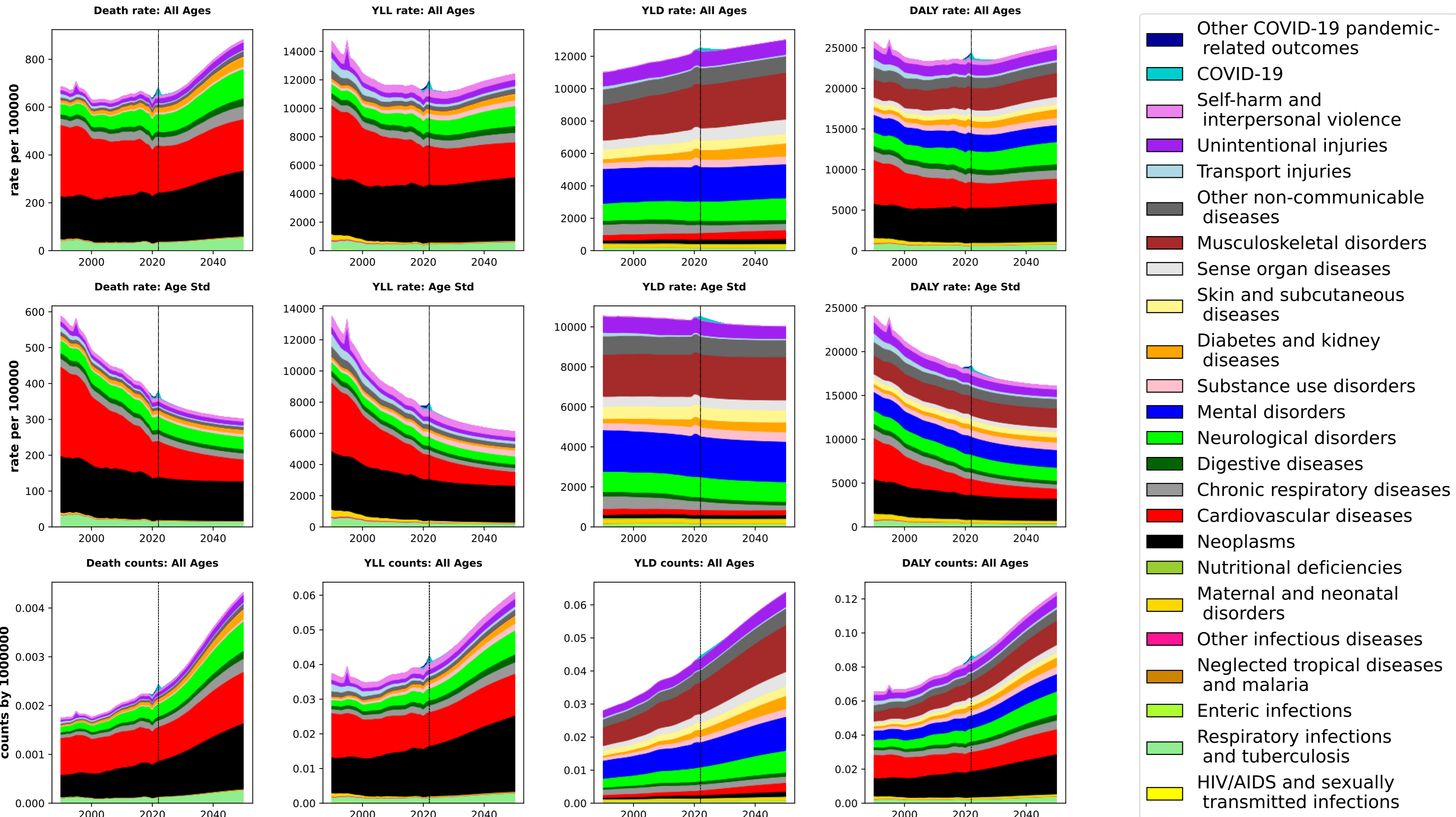




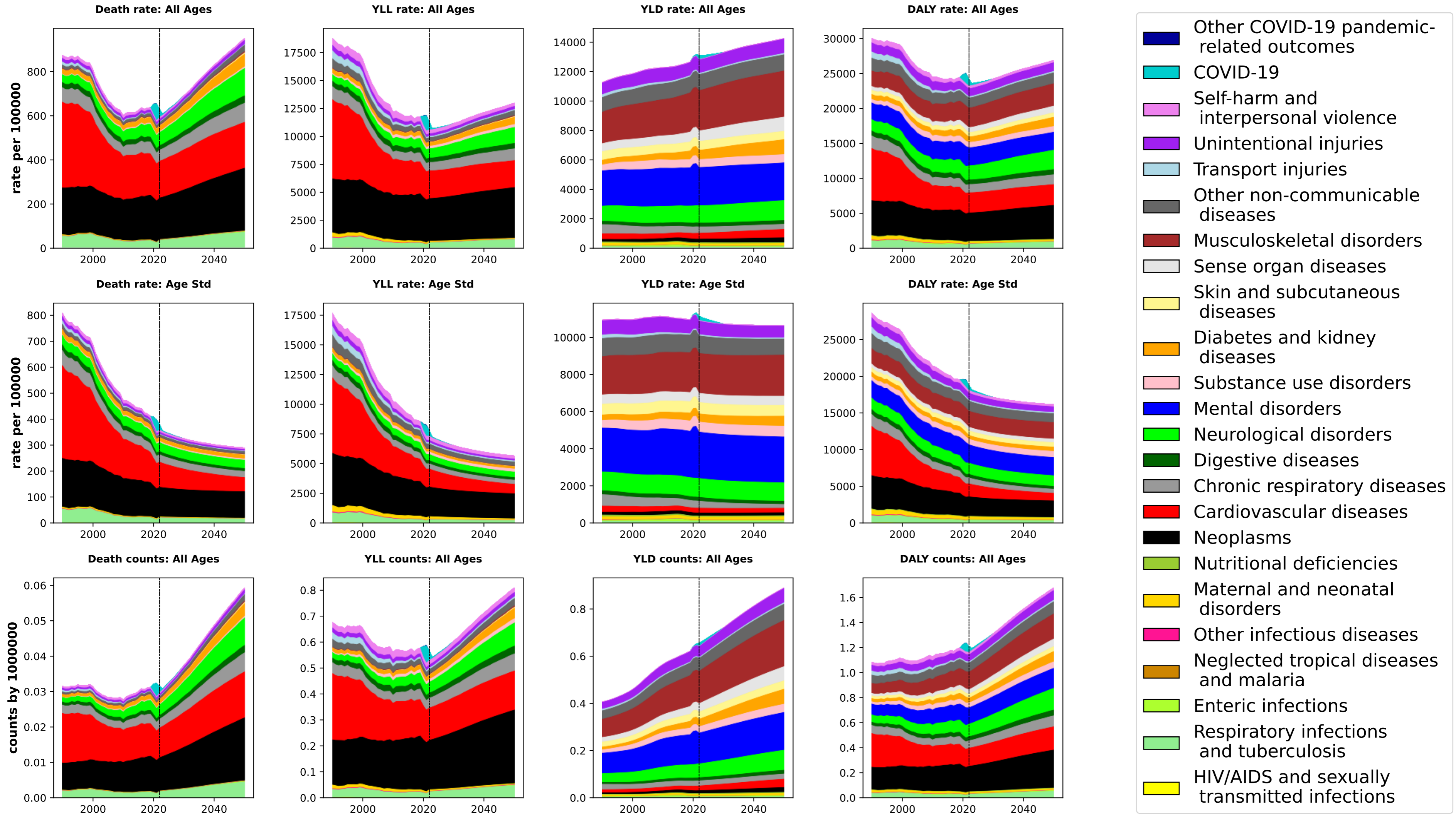
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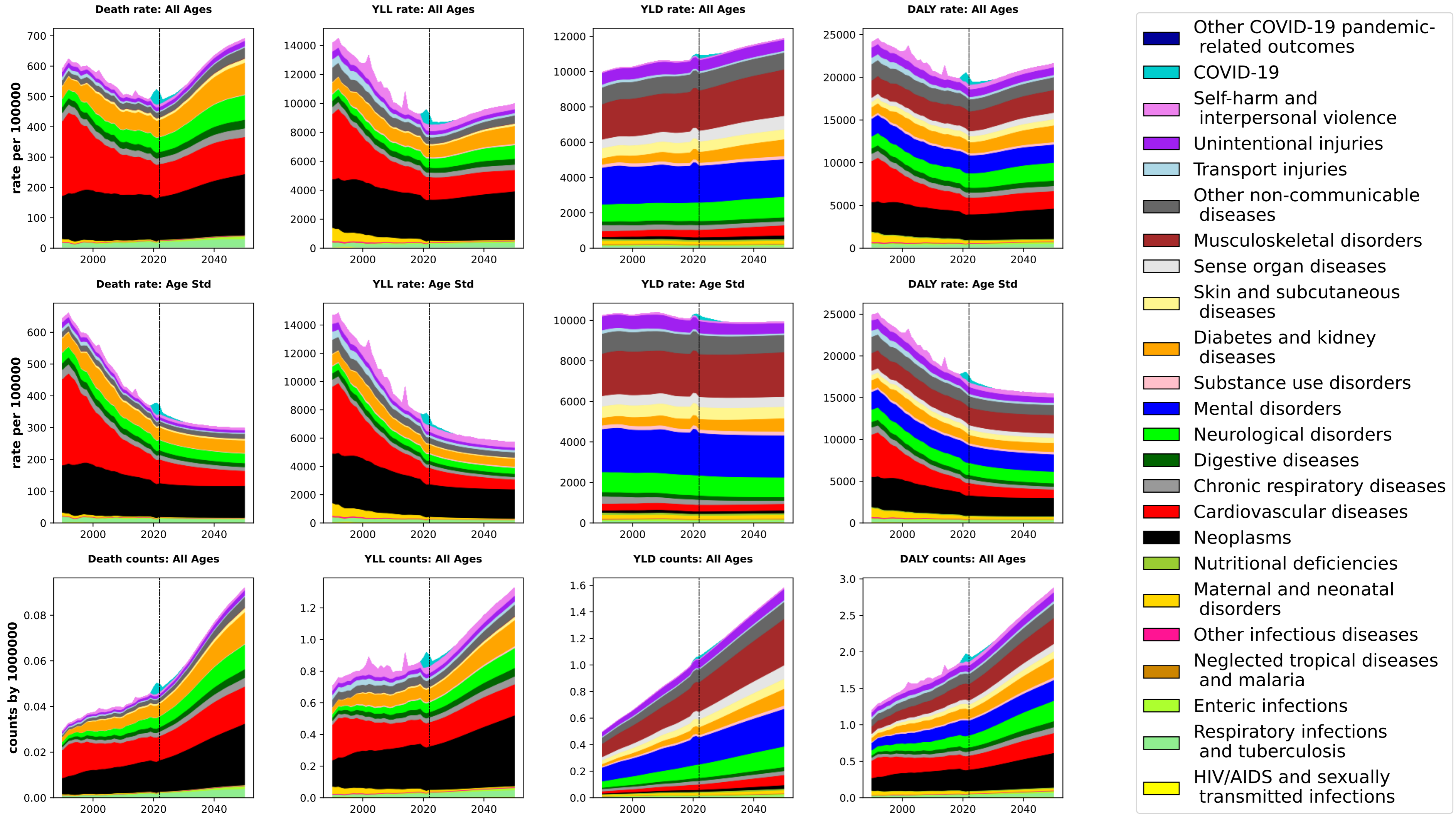
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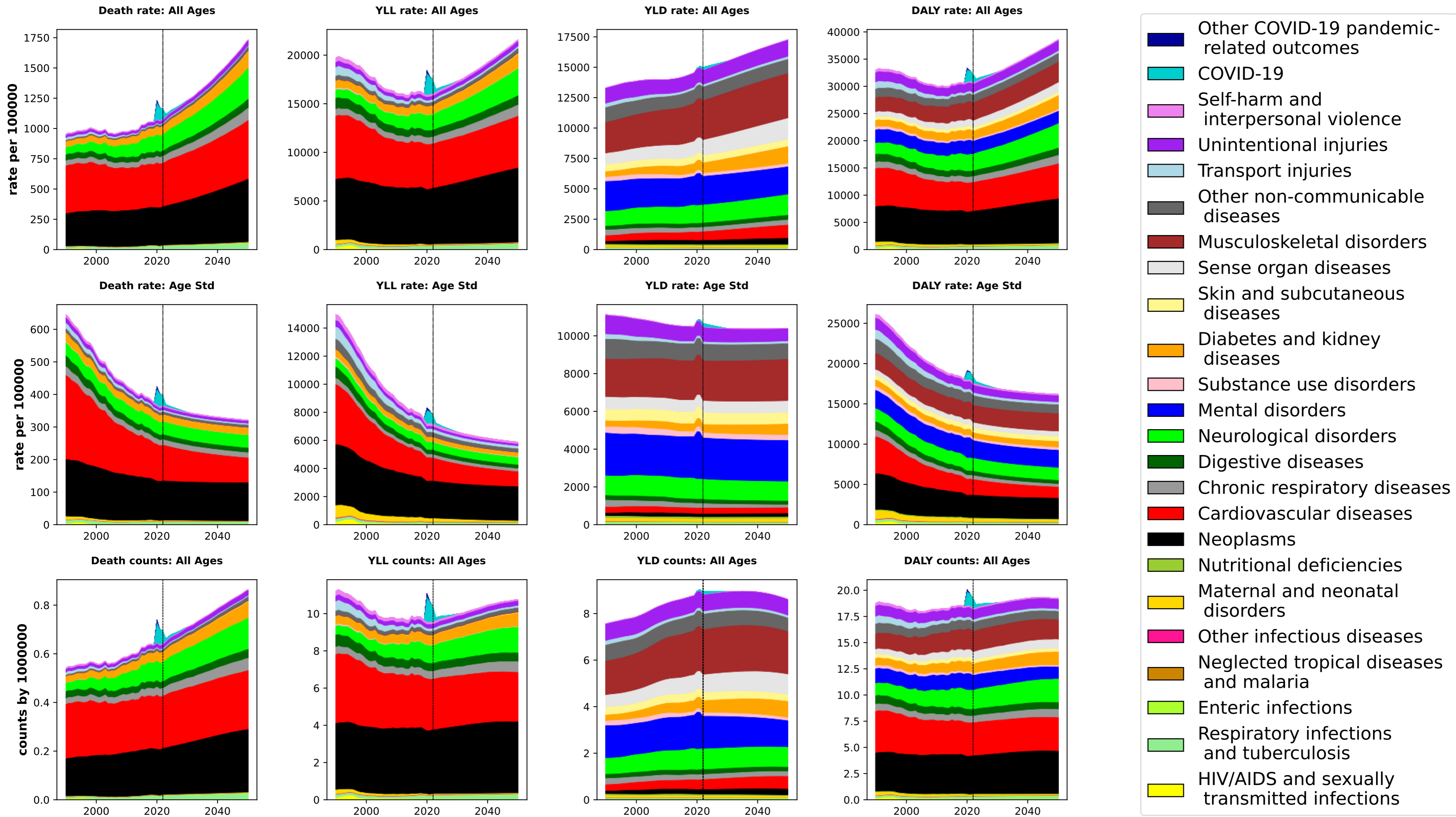
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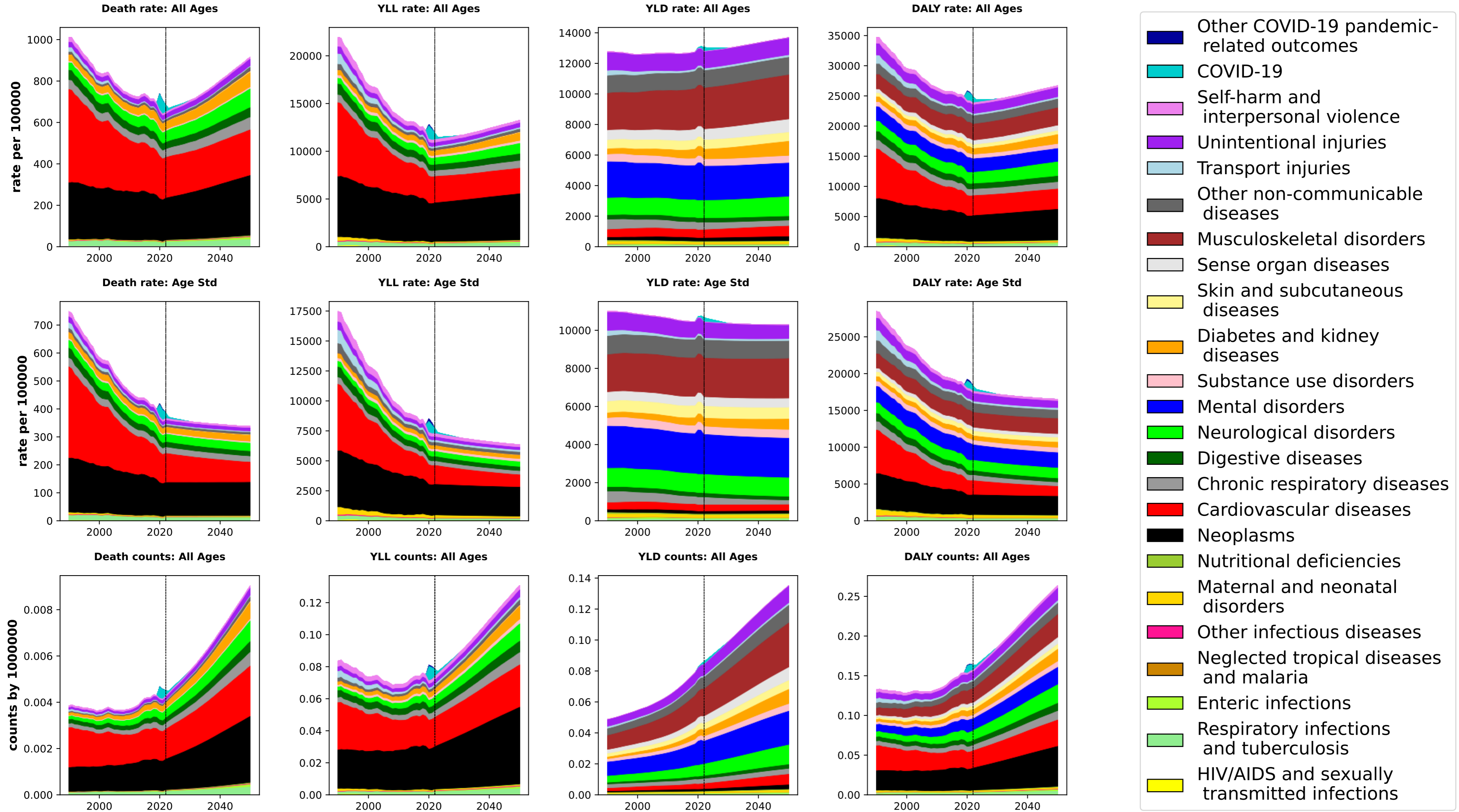
# Israel



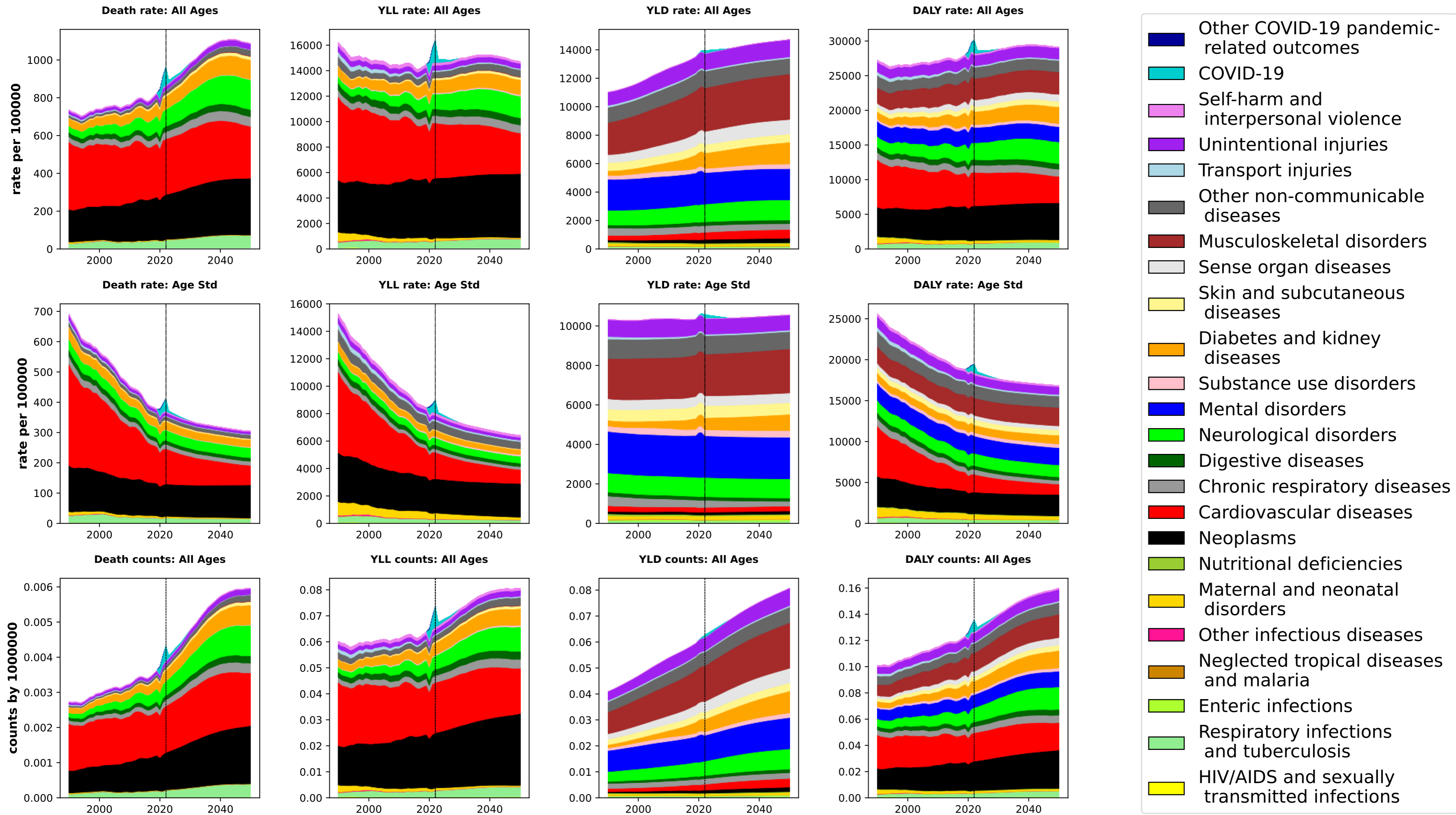
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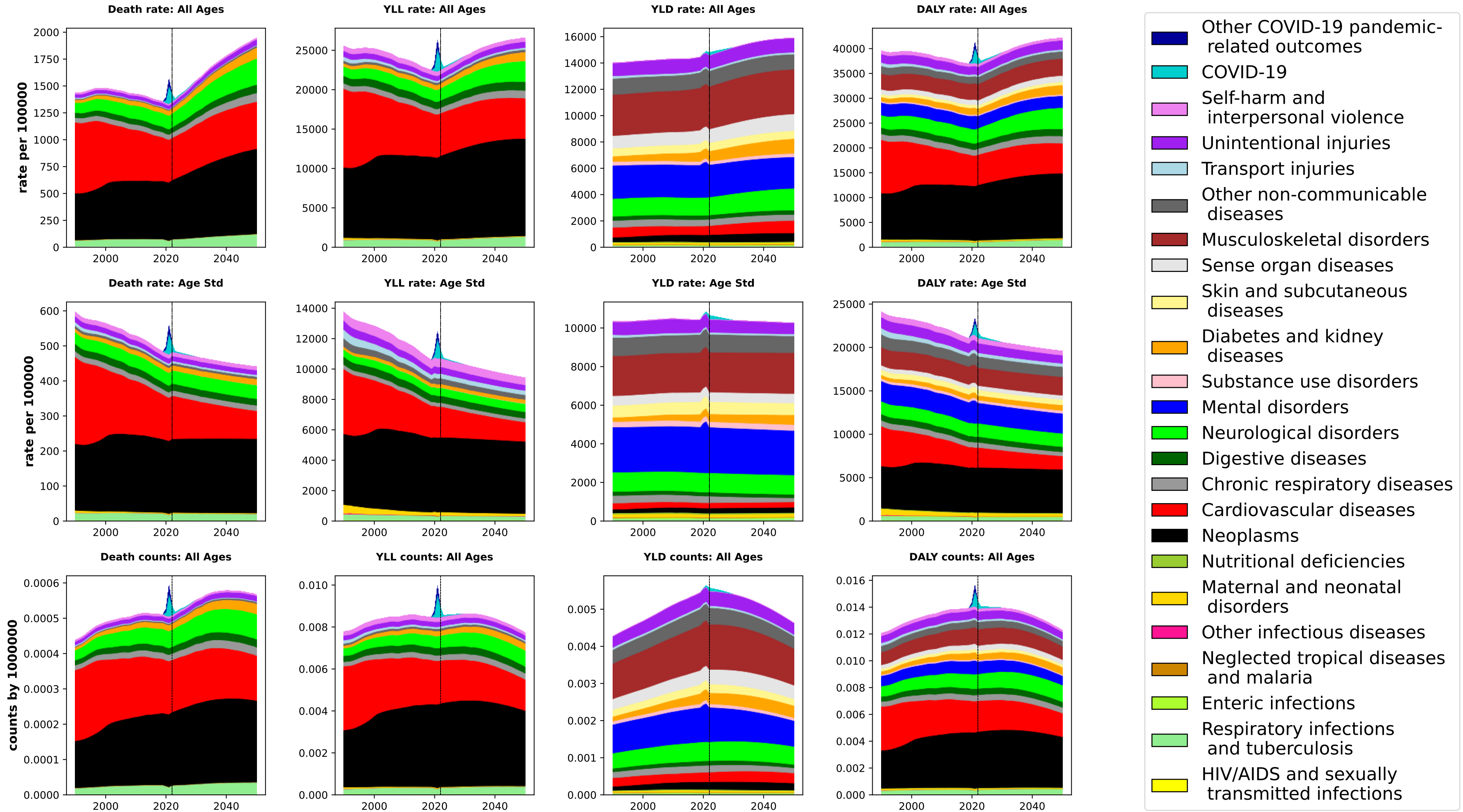
# Luxembourg



# Malta

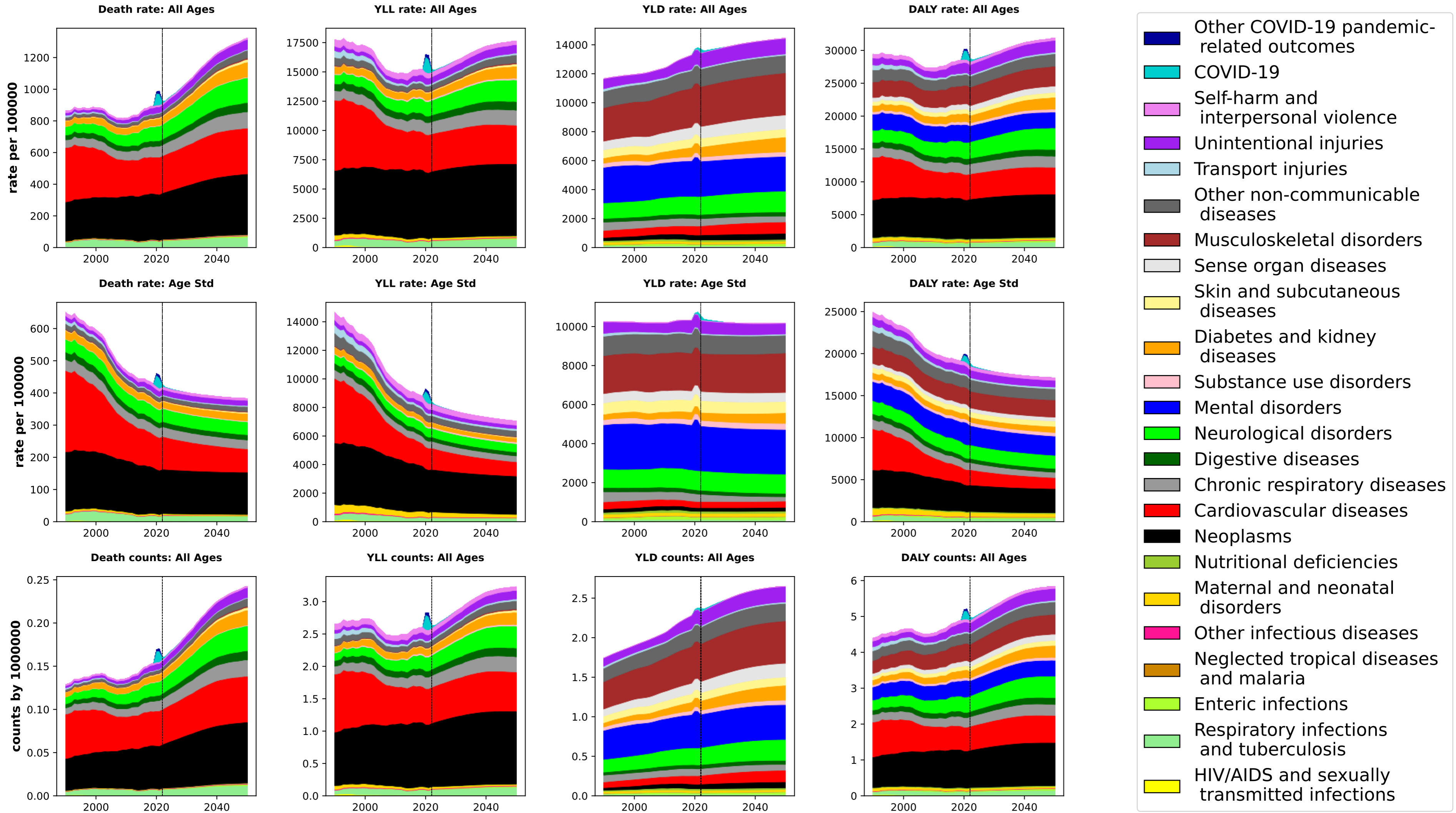


# Monaco

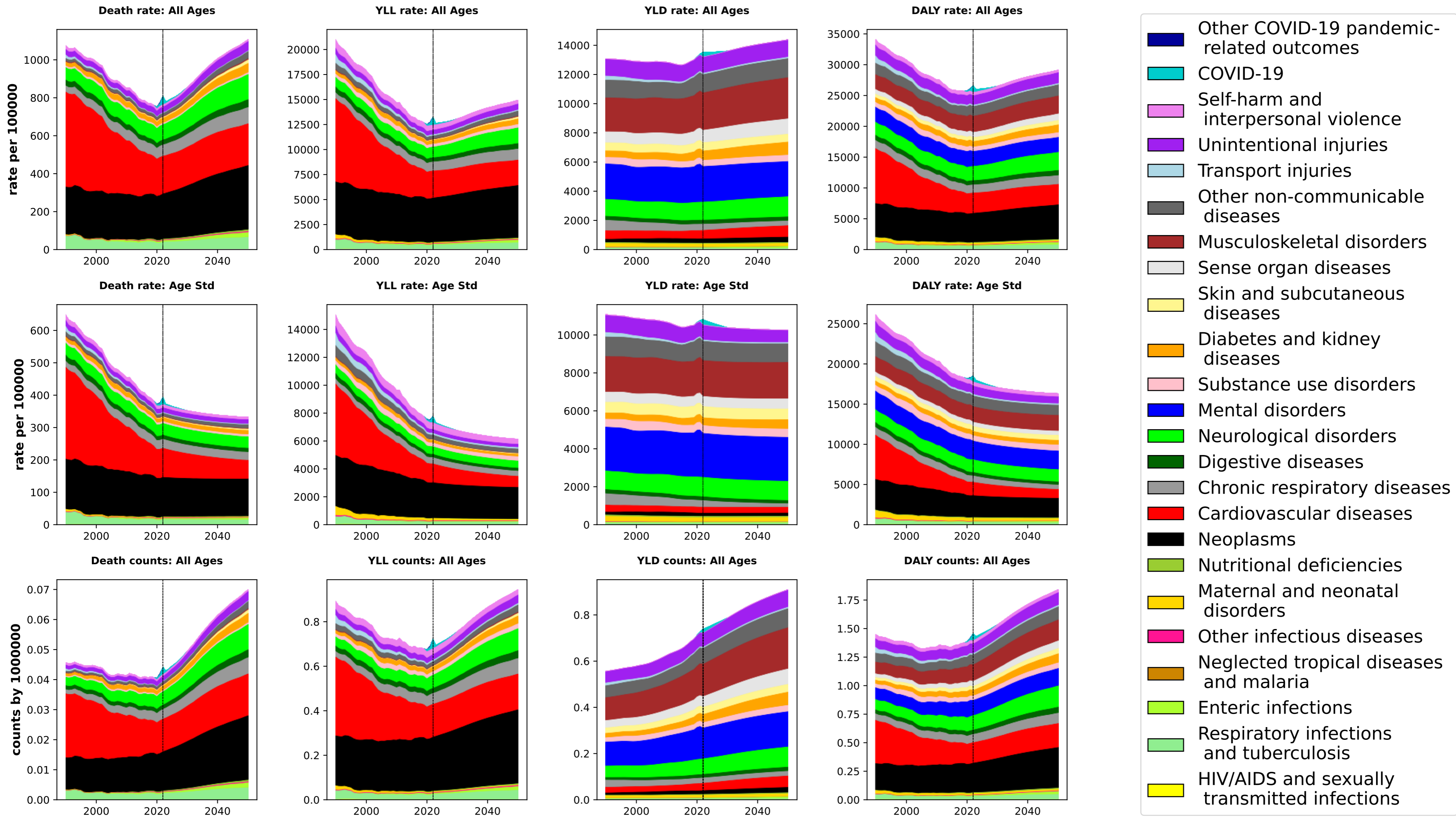




# Netherlands



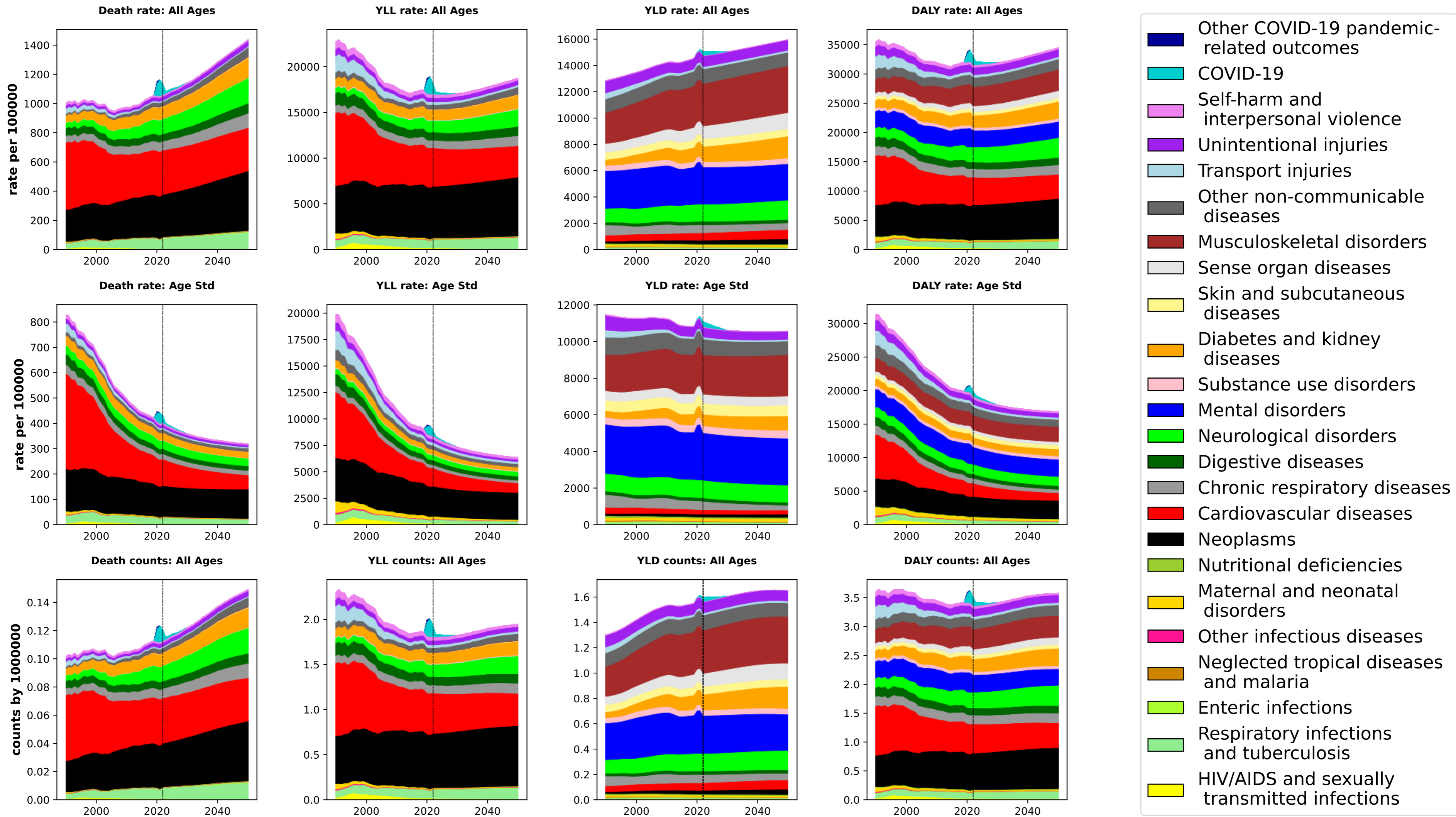
# Norway



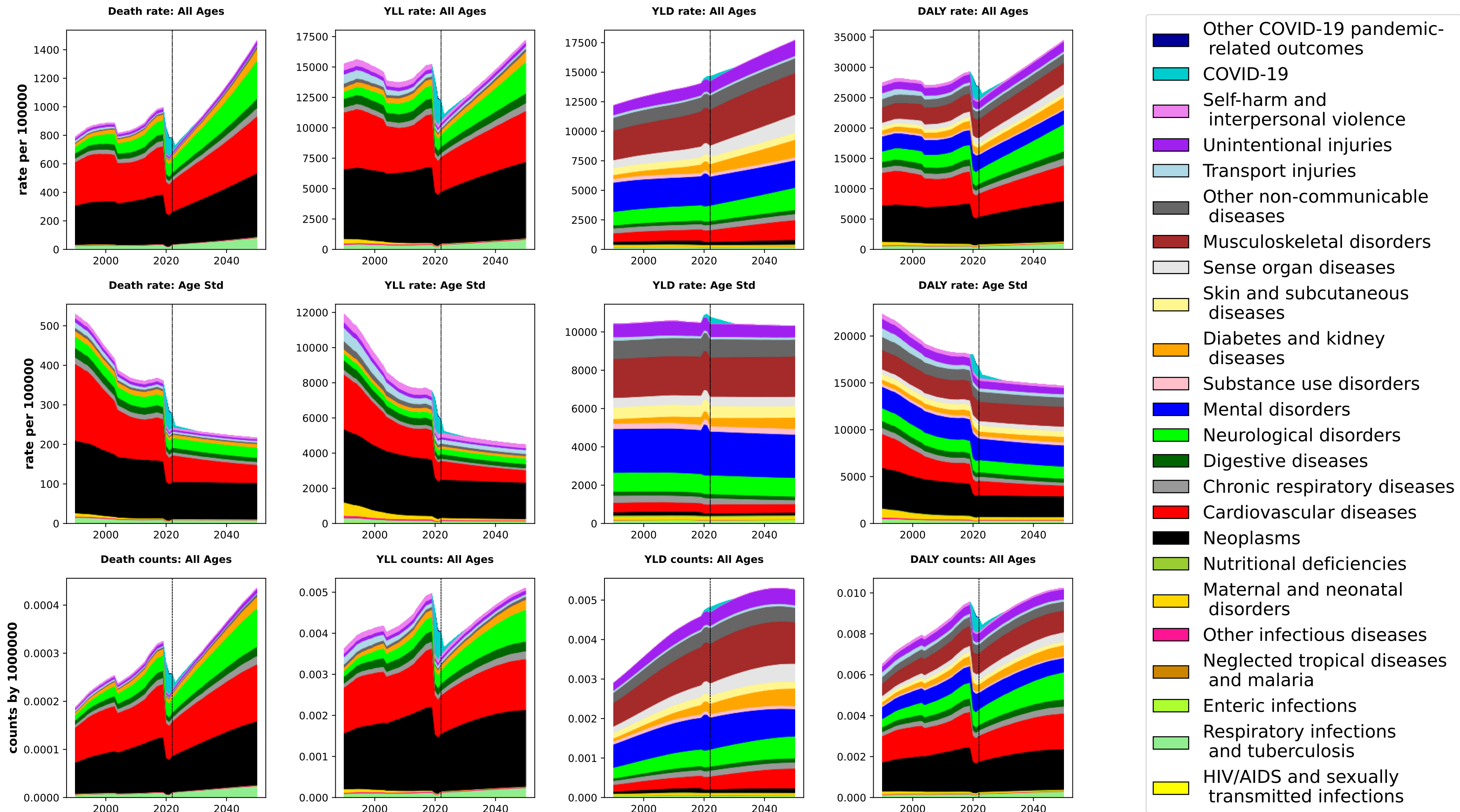
# Portugal

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

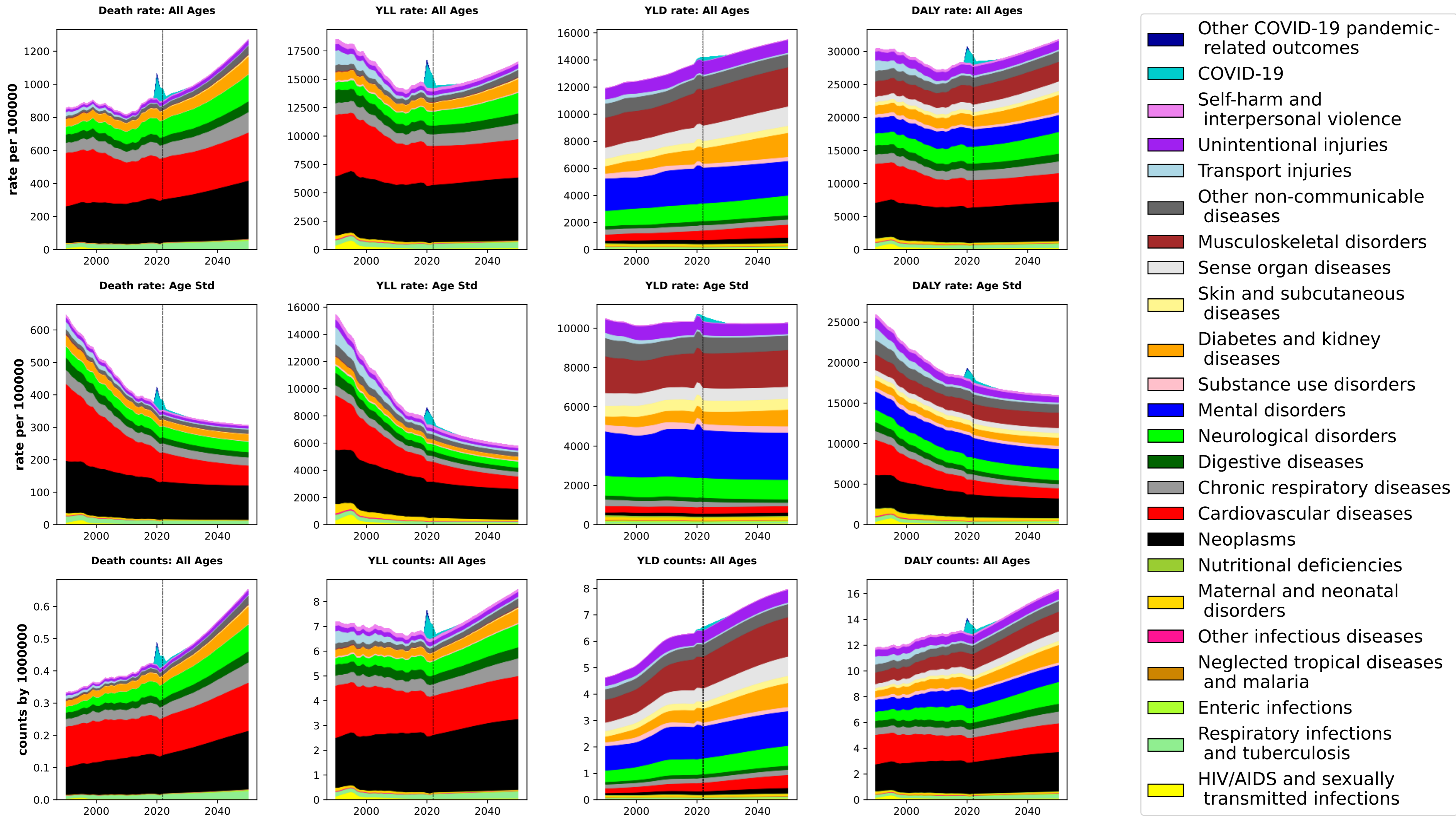
770



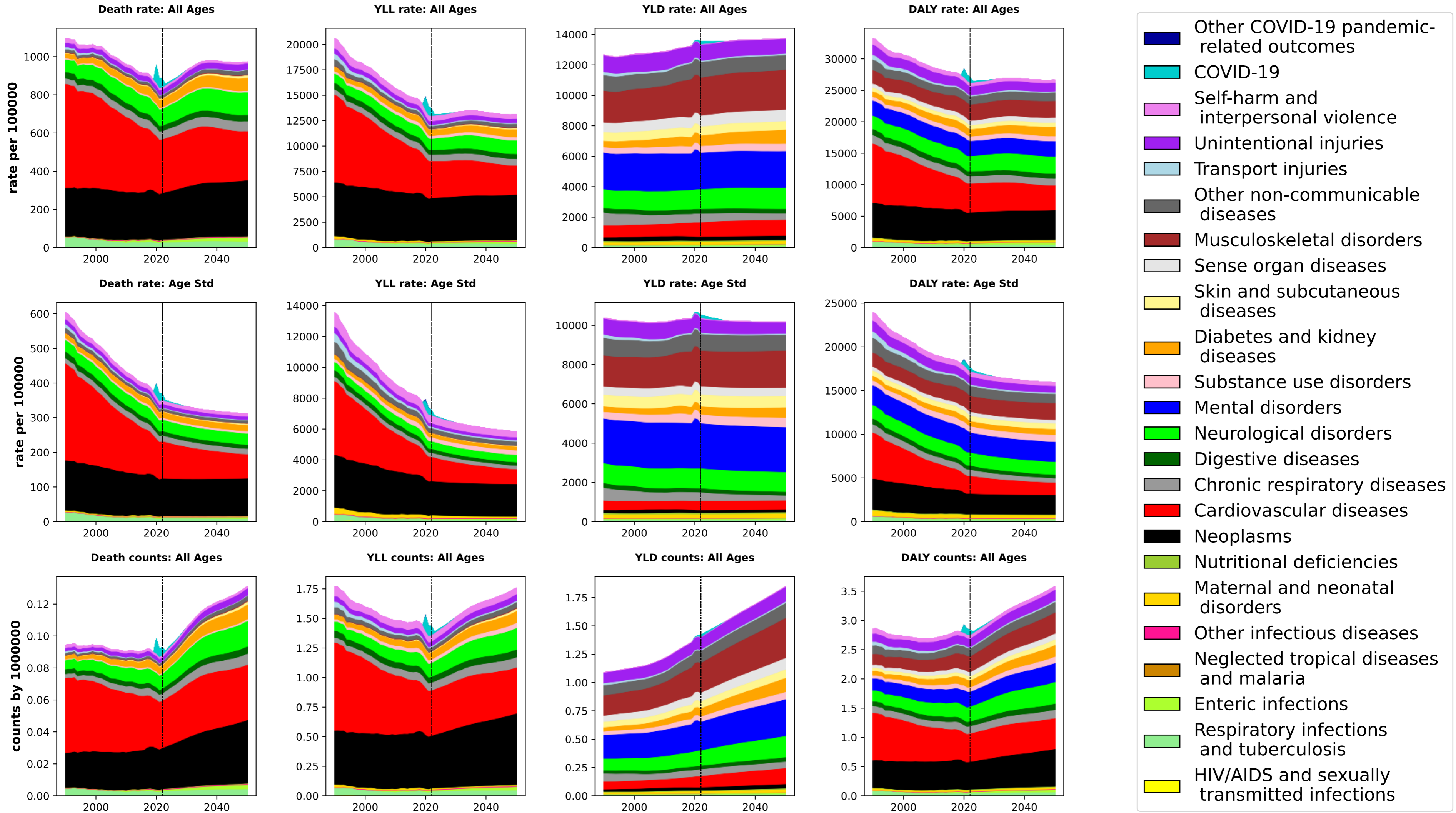
# San Marino



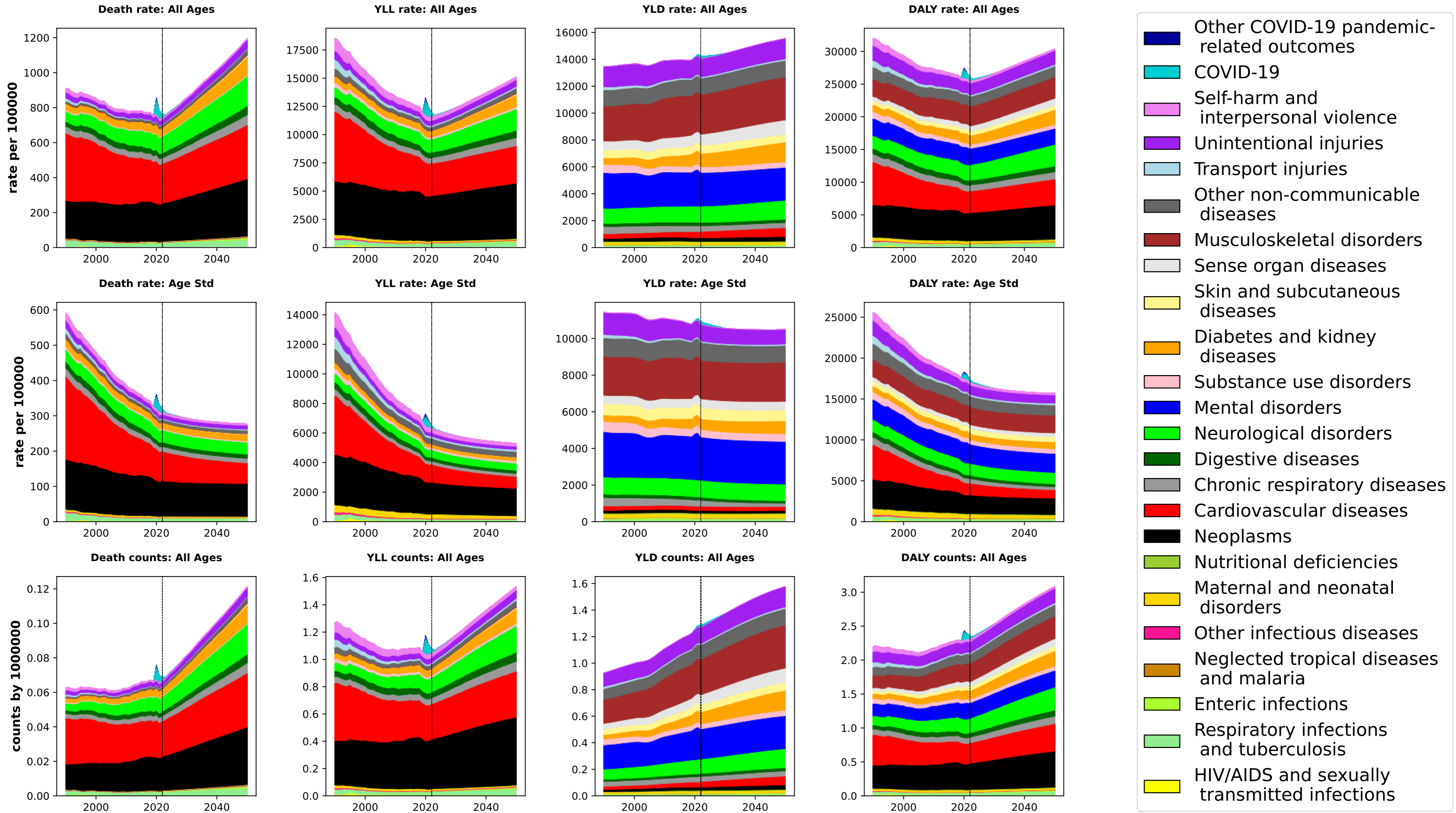
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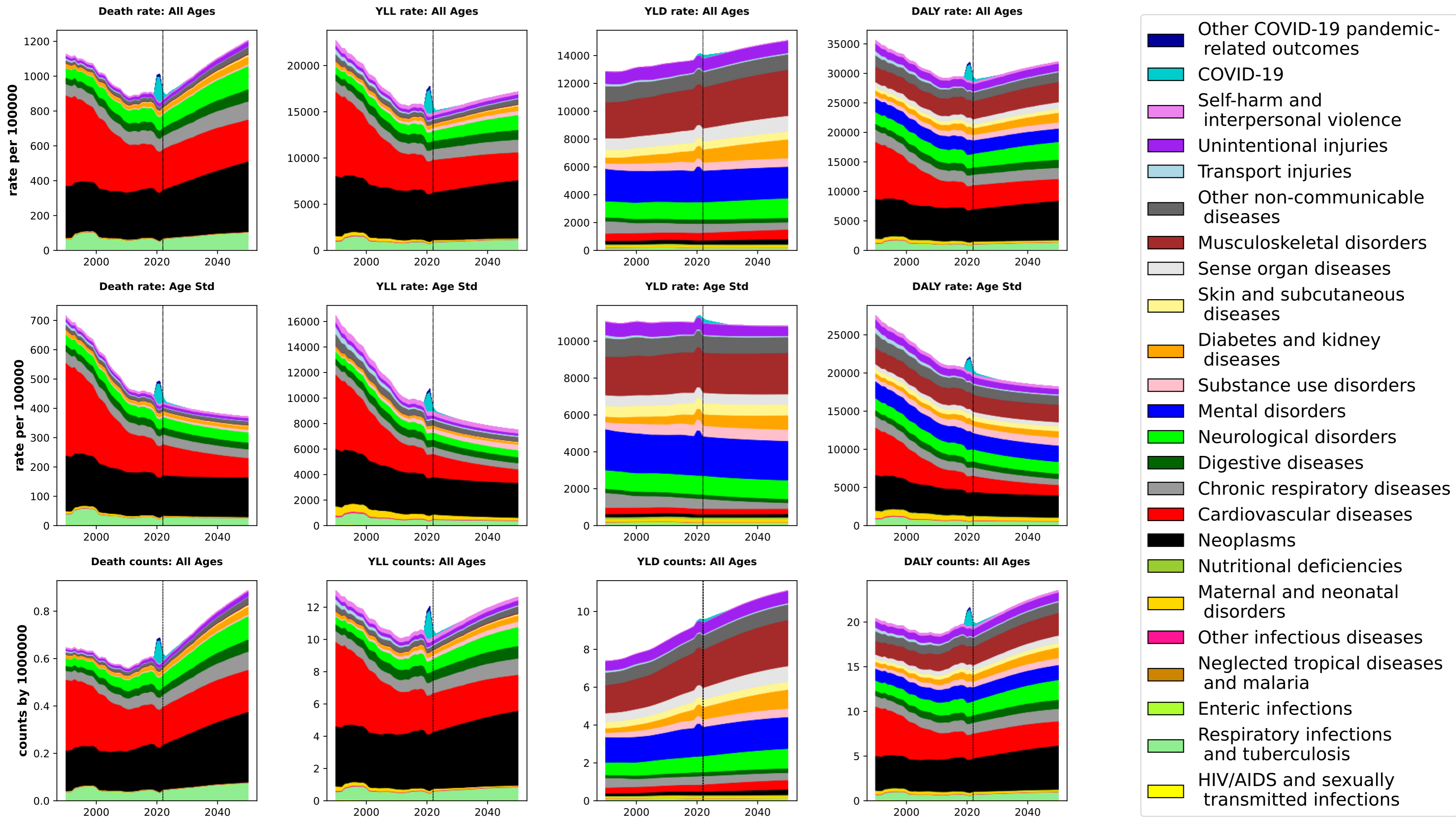


# Sweden



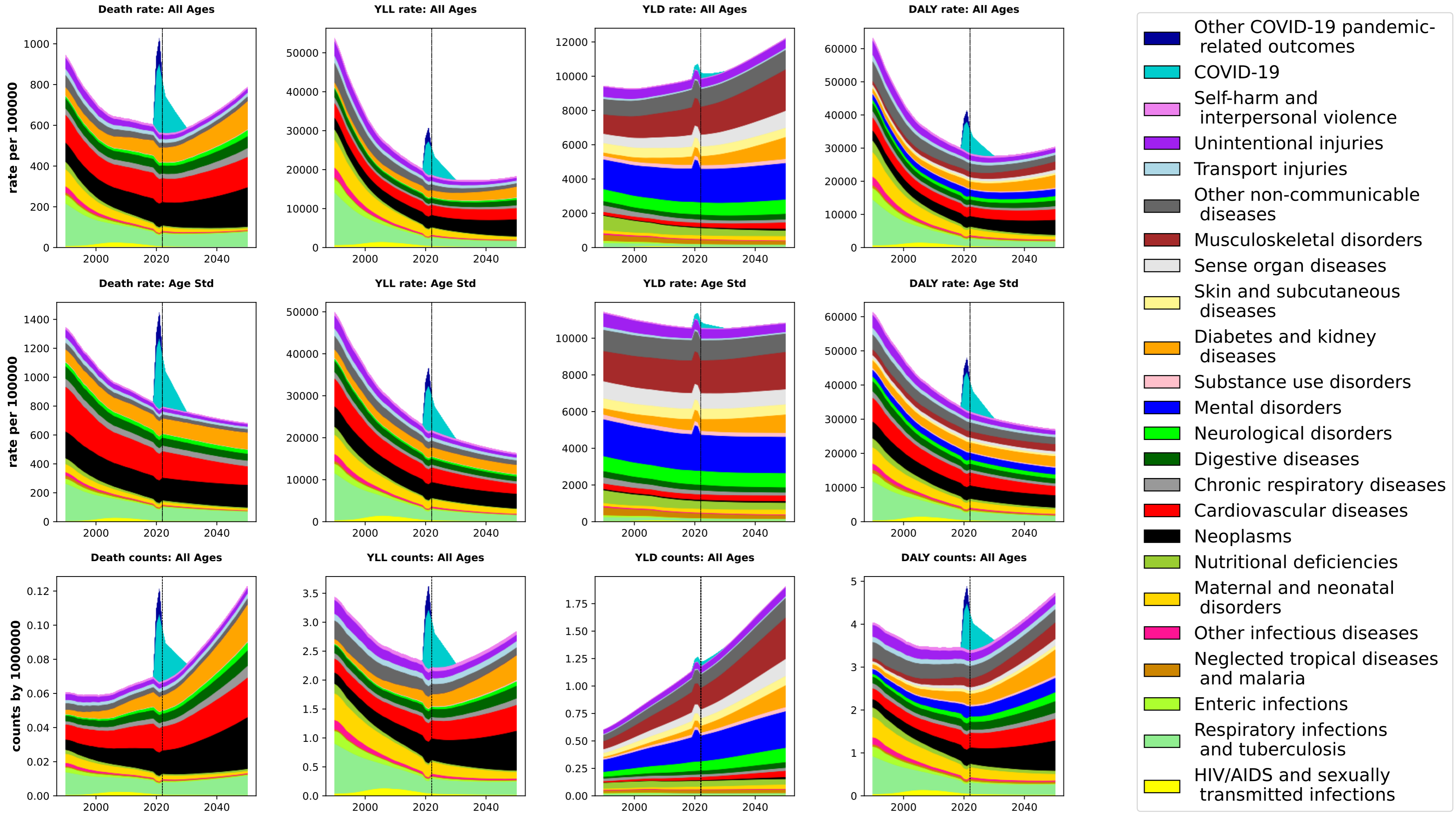
# Switzerland



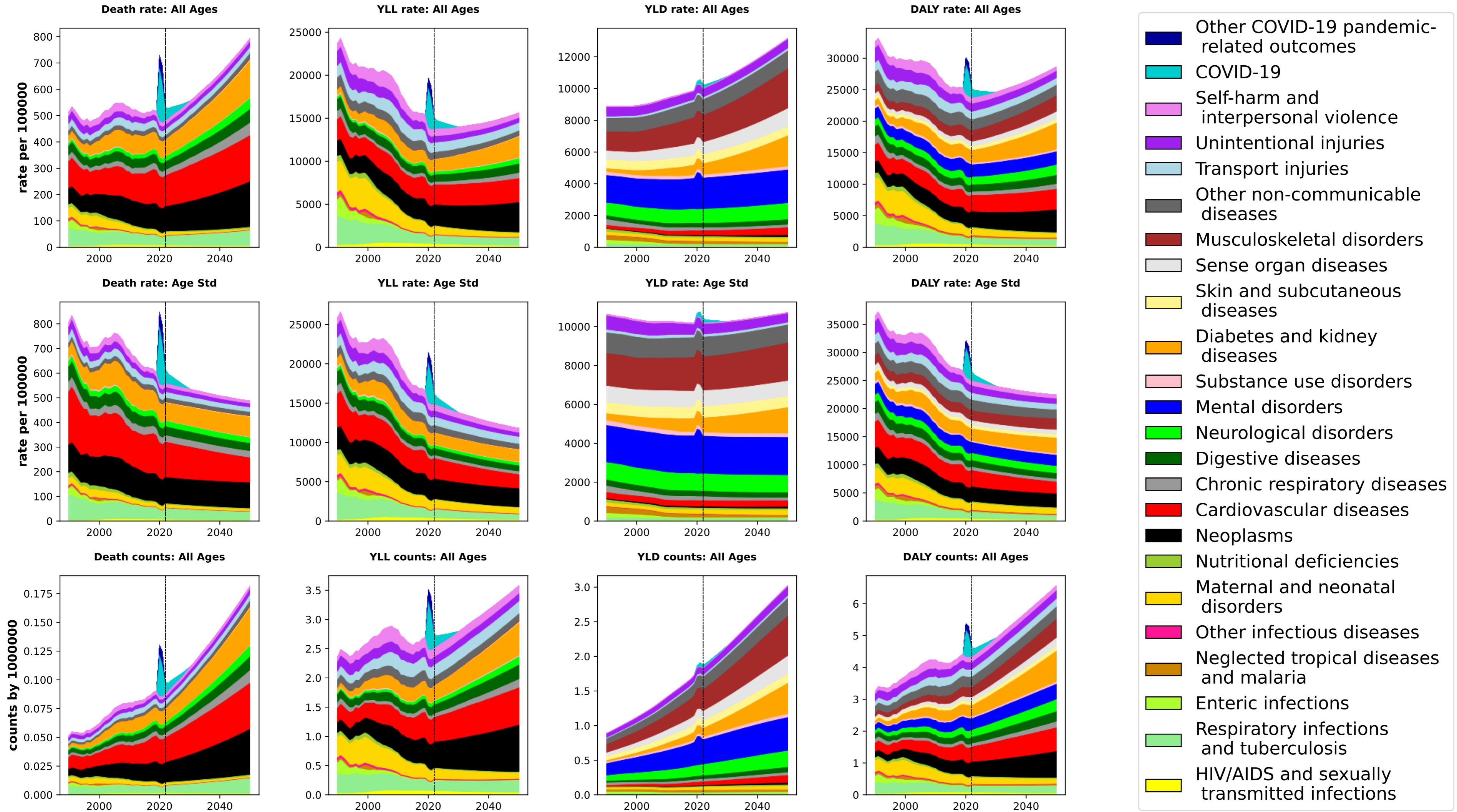




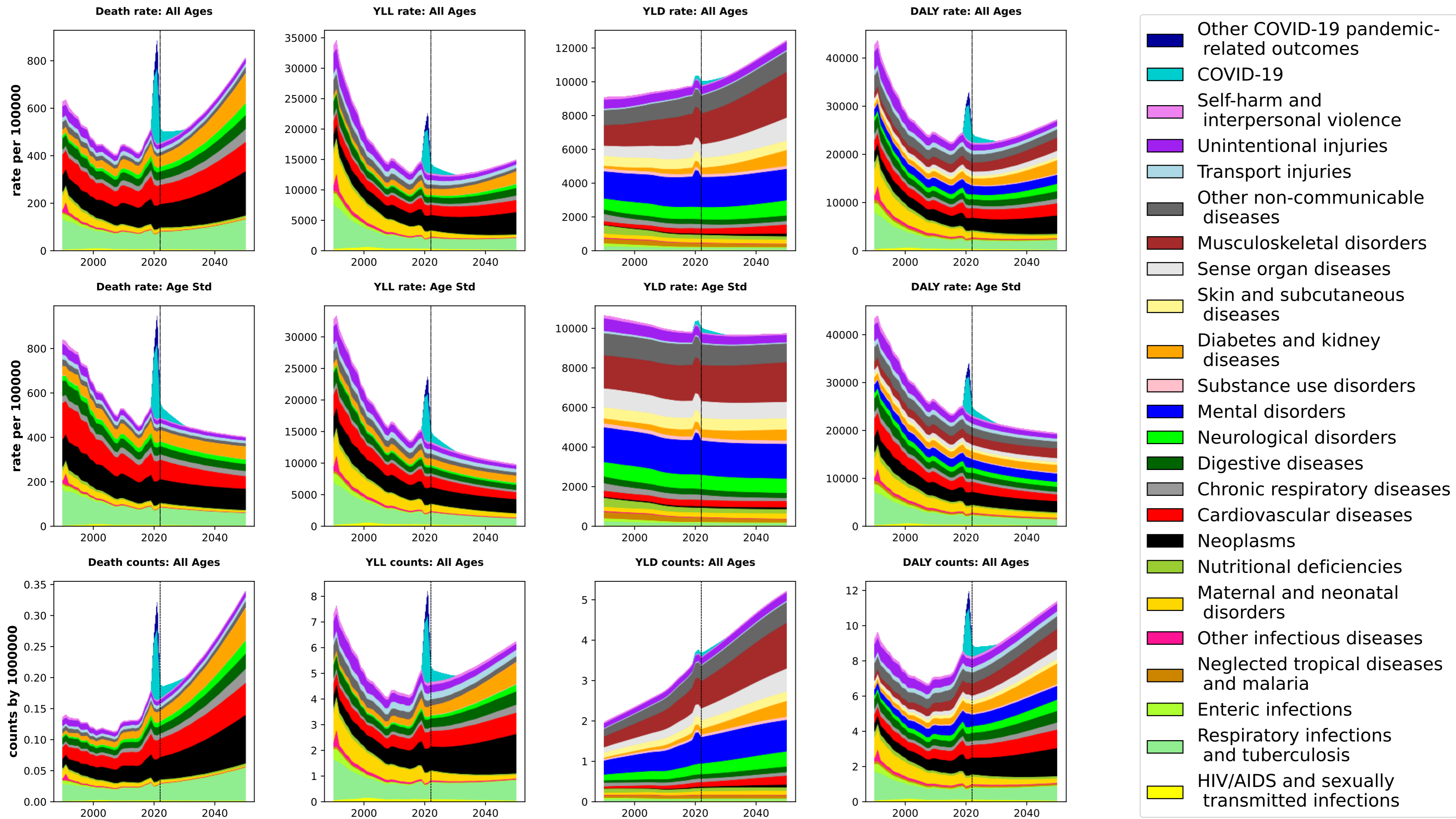
# Bolivia



# Ecuador



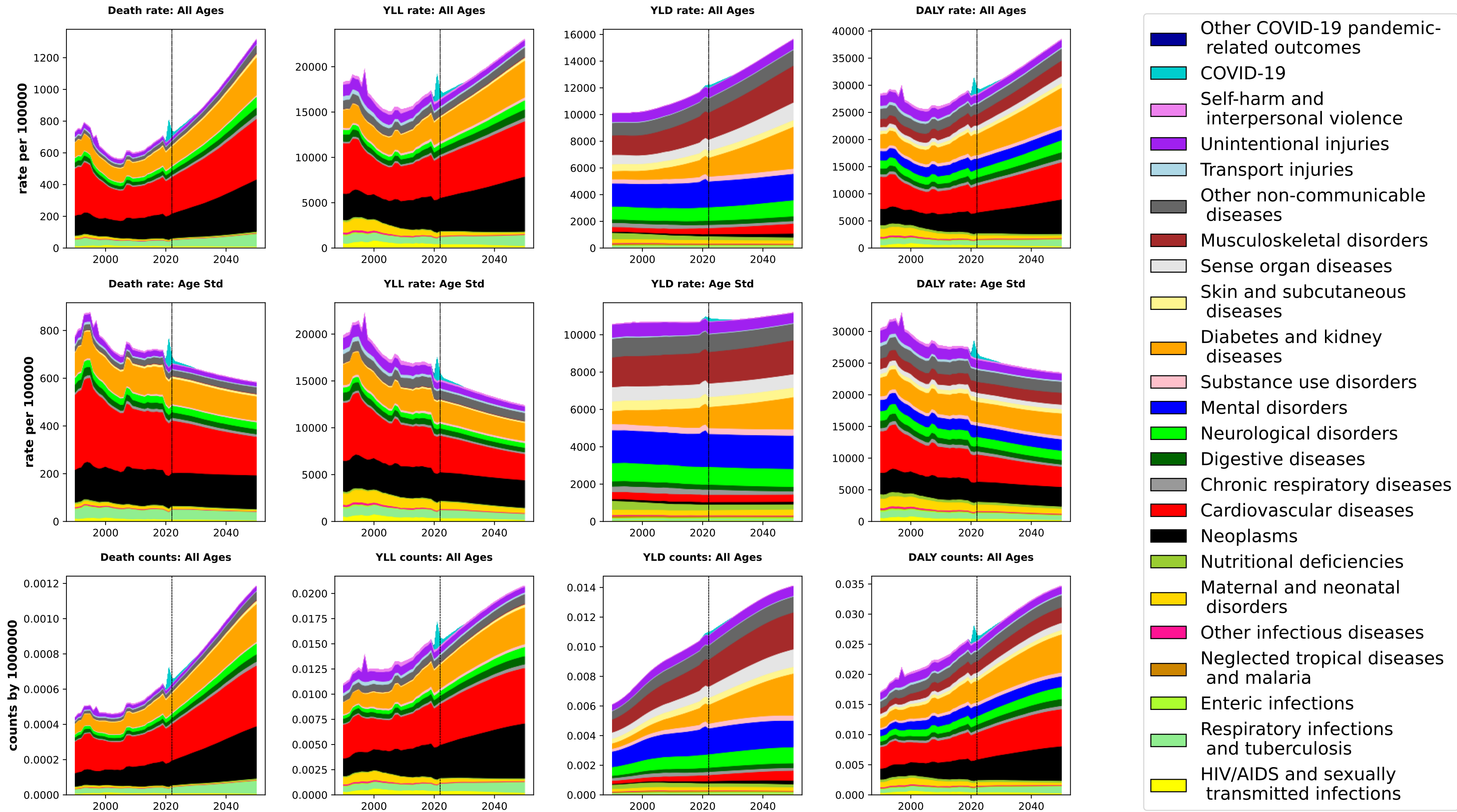
# Peru



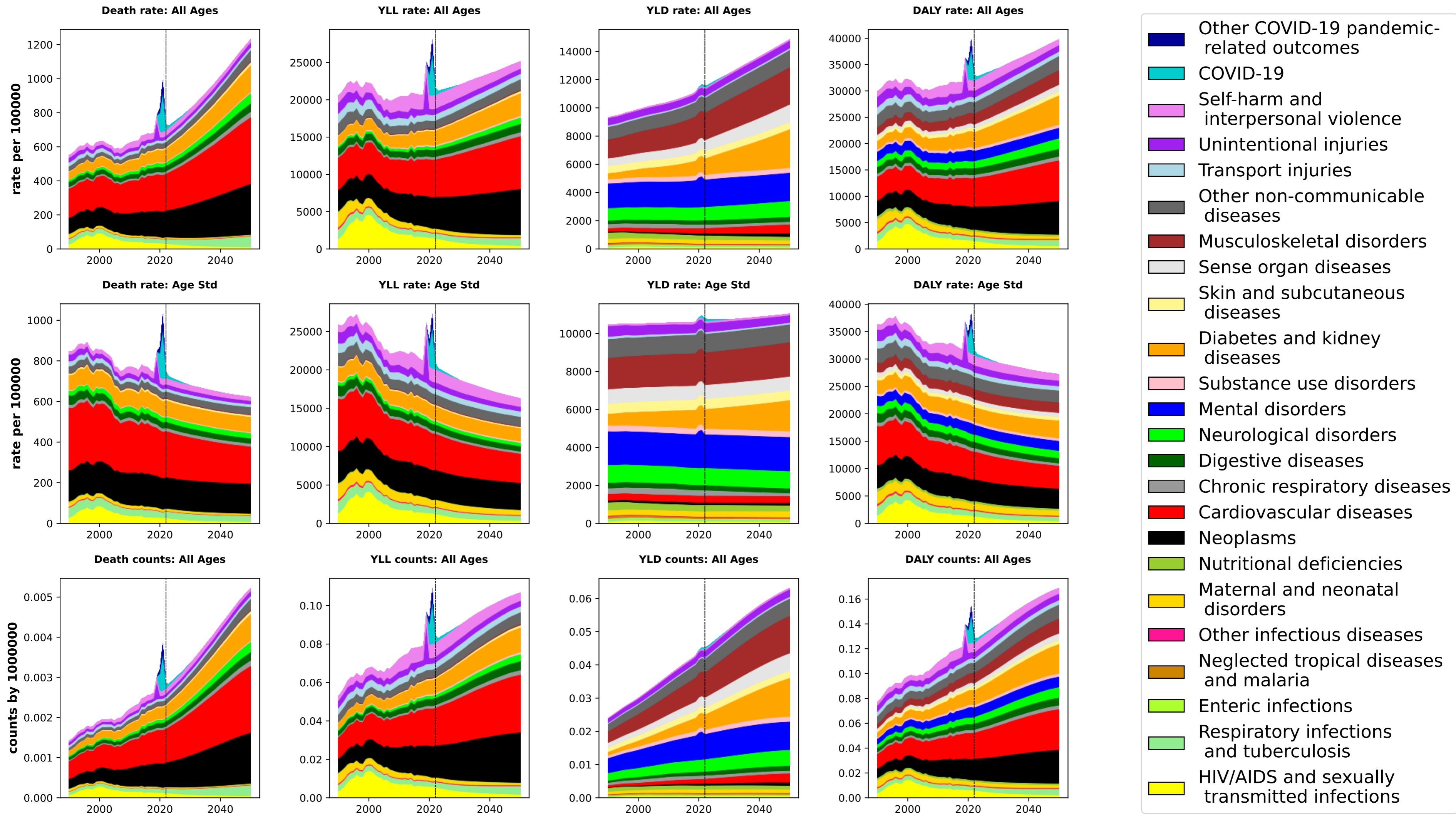
# Antigua and Barbuda

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

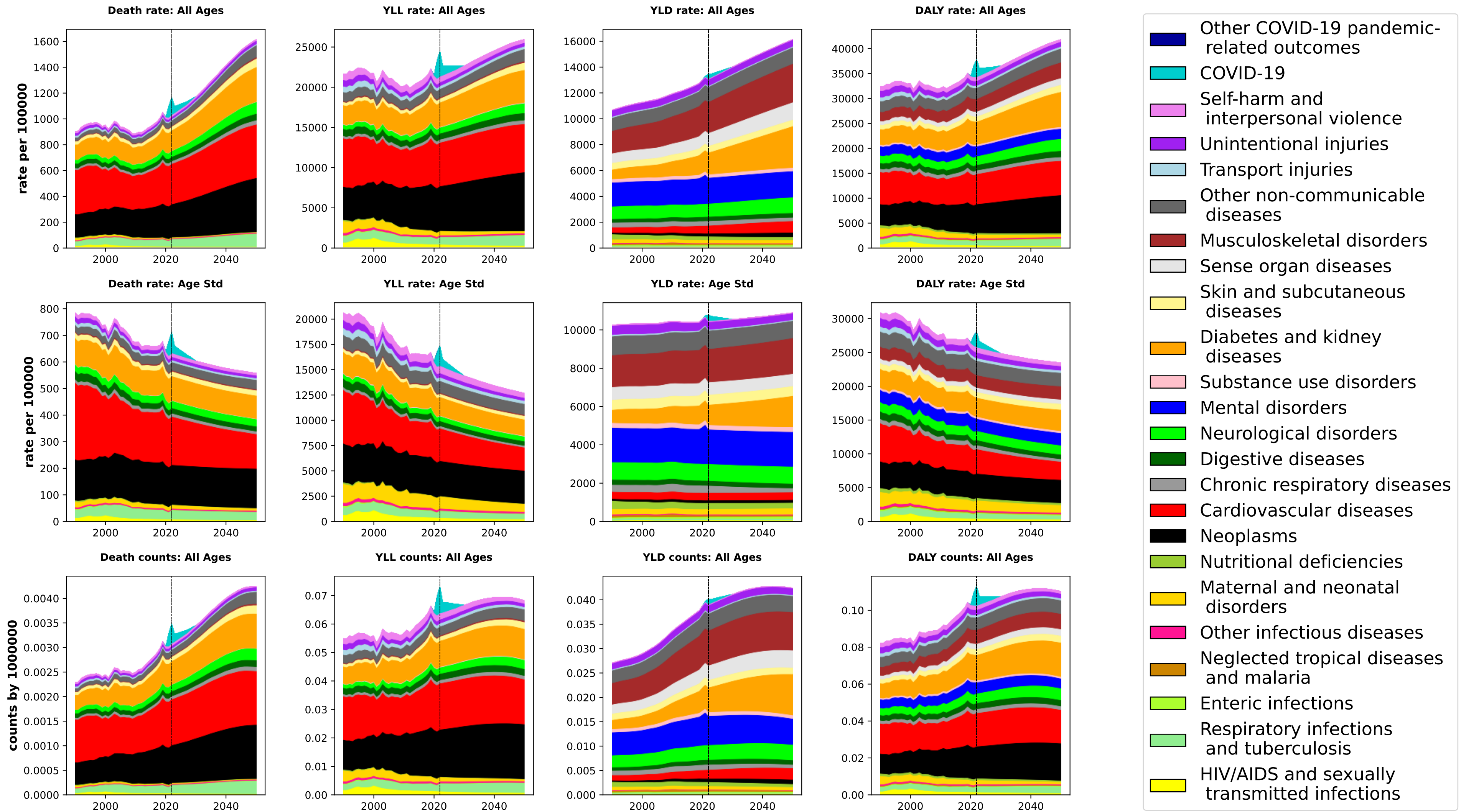
779



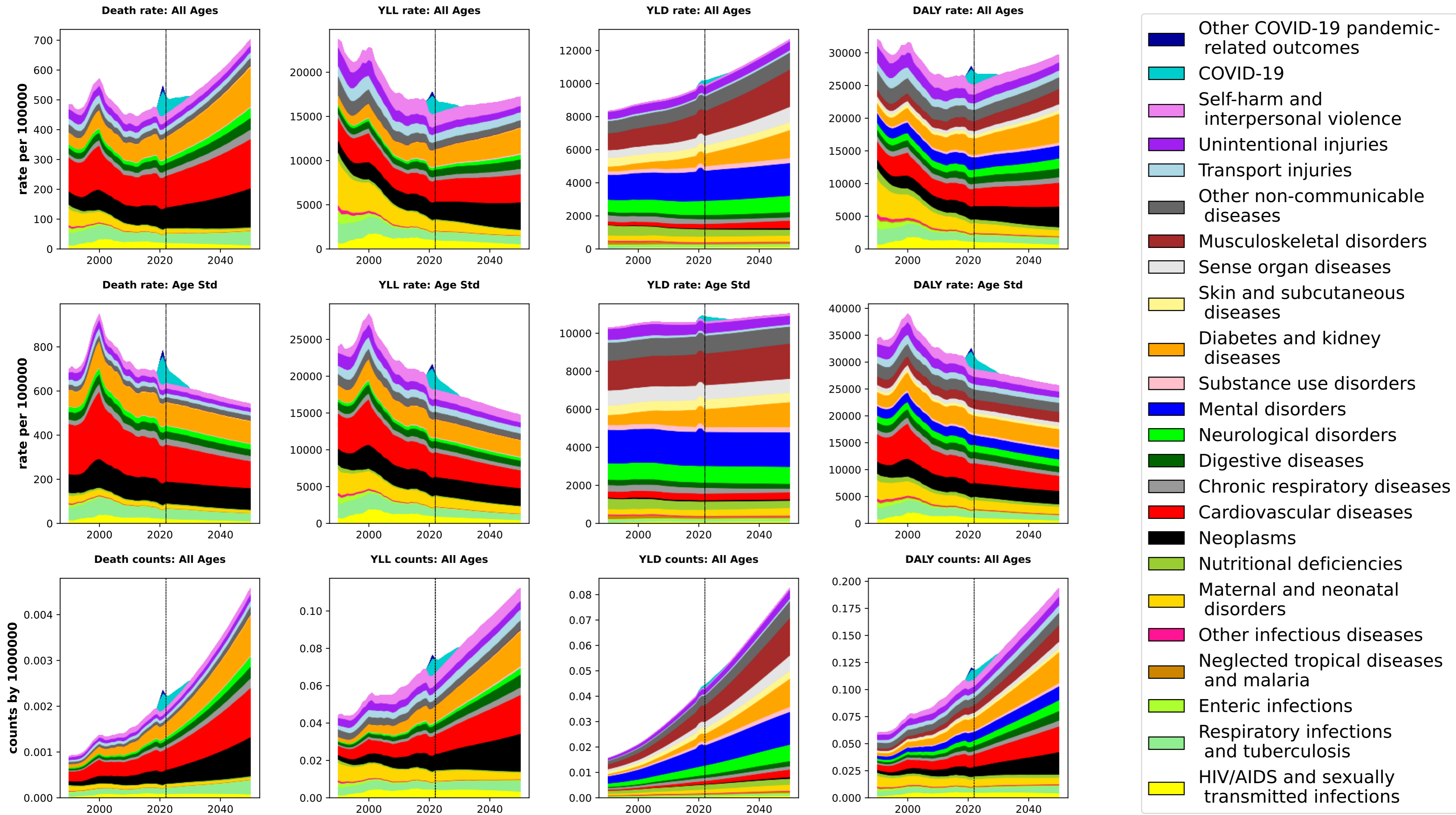
# The Bahamas



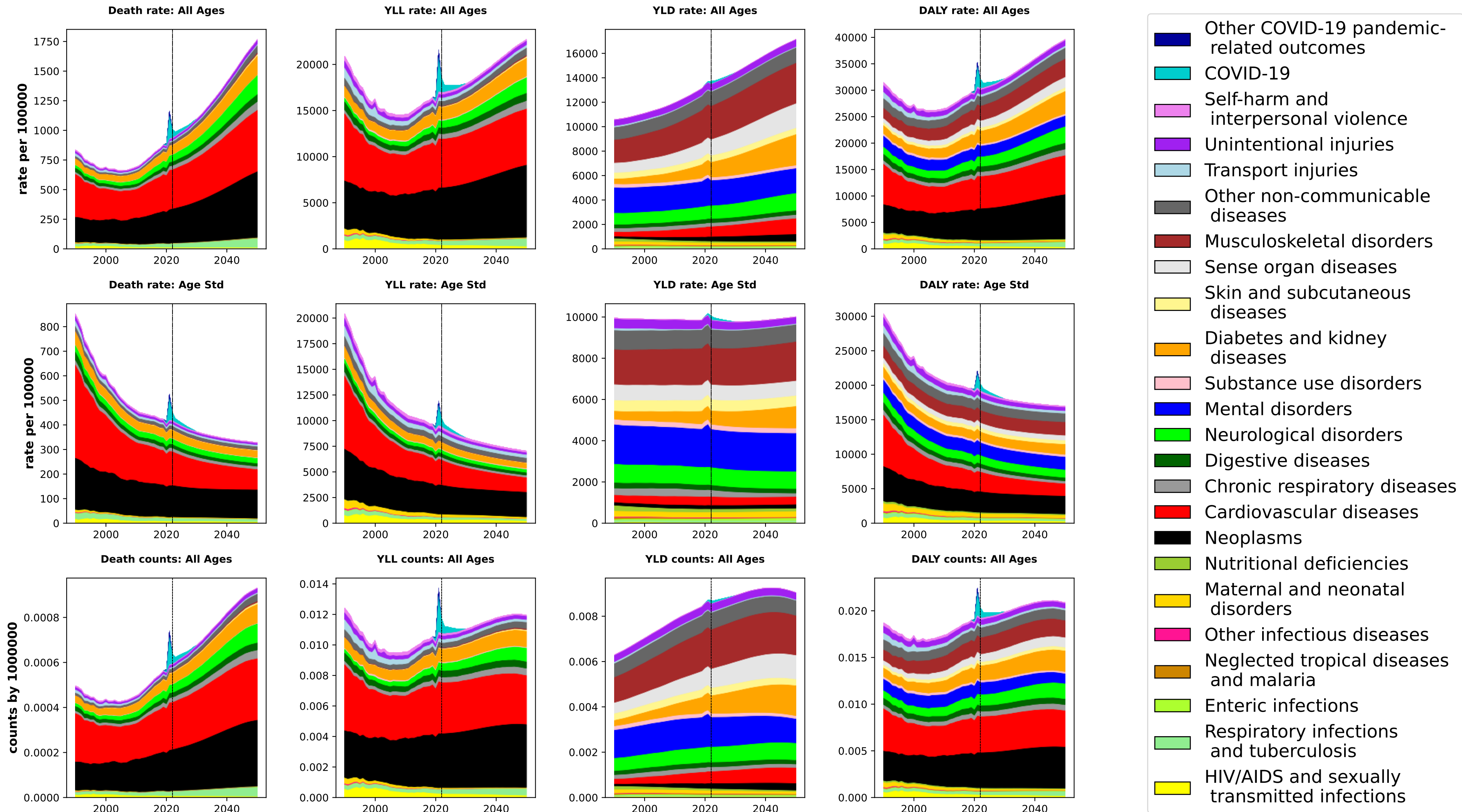
# Barbados



# Belize

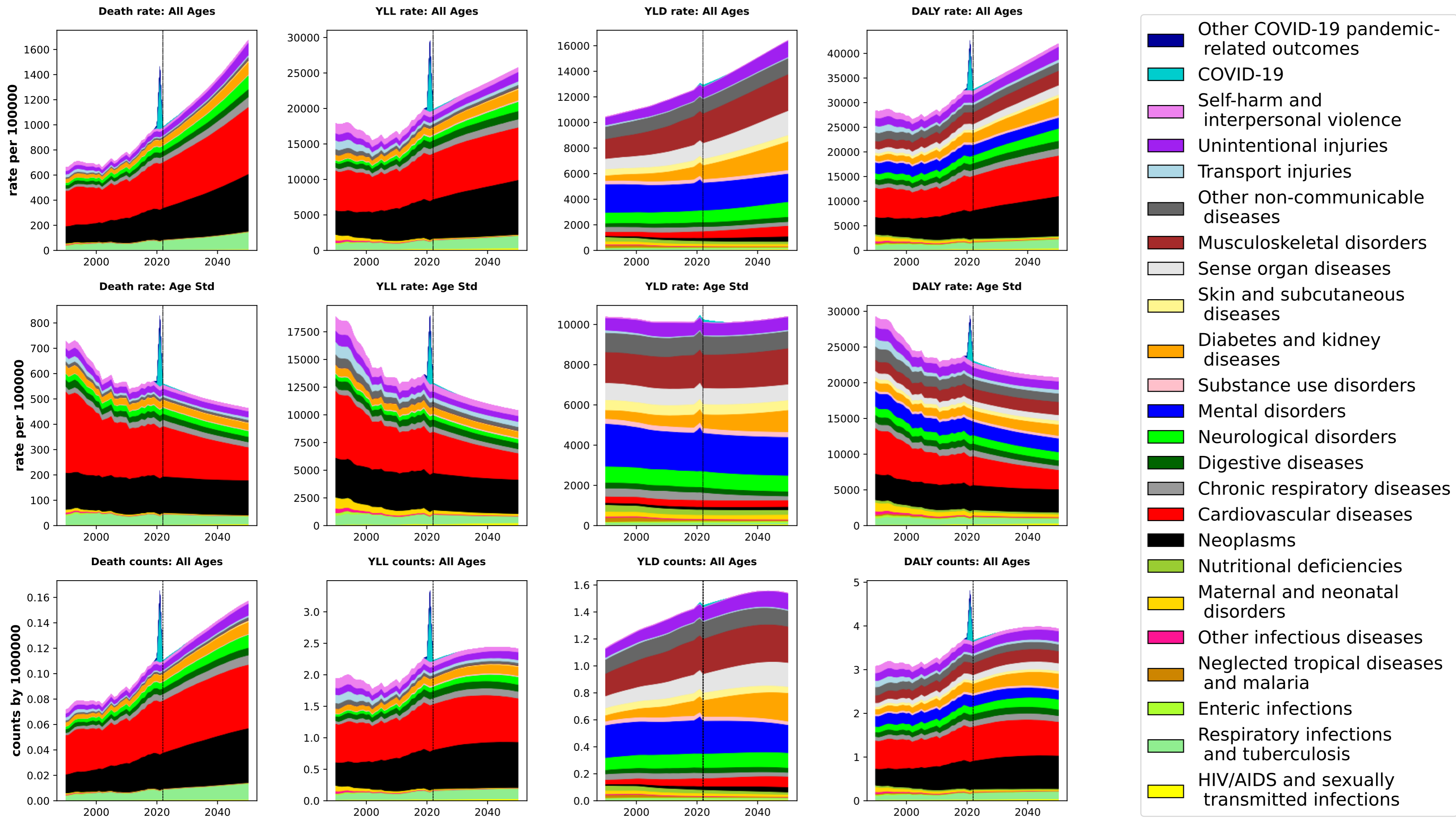


# Bermuda

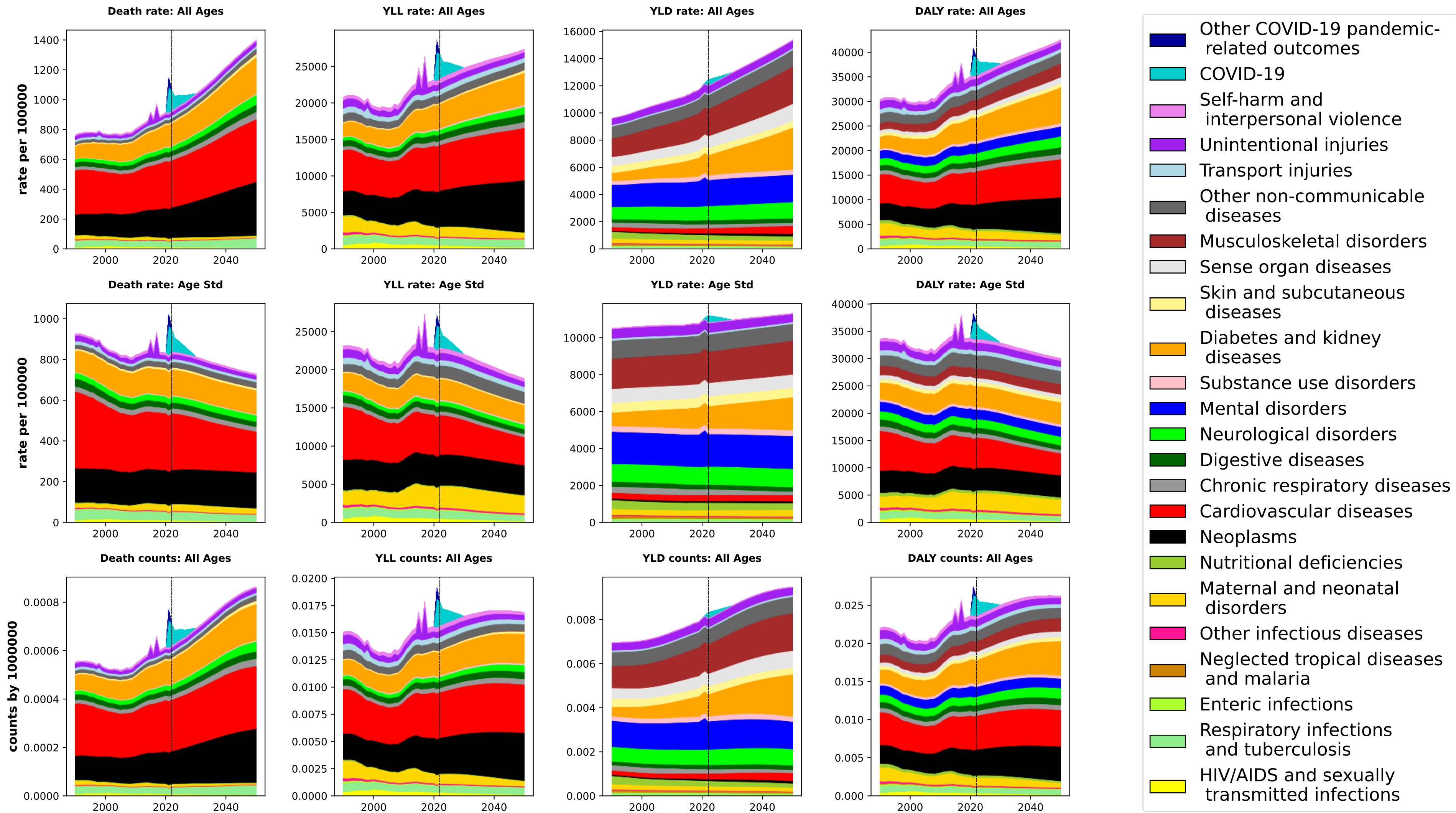




# Cuba



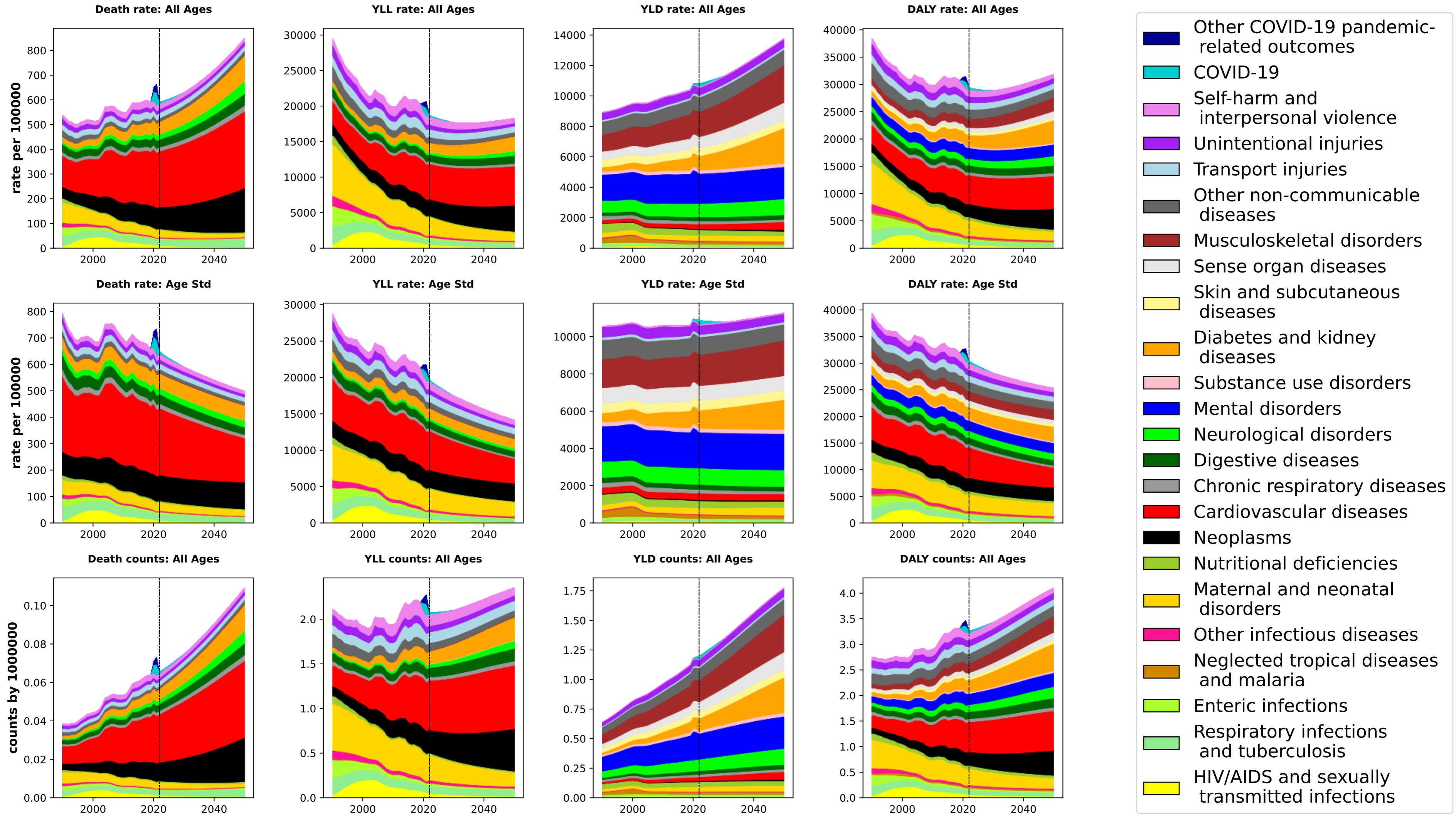
# Dominica



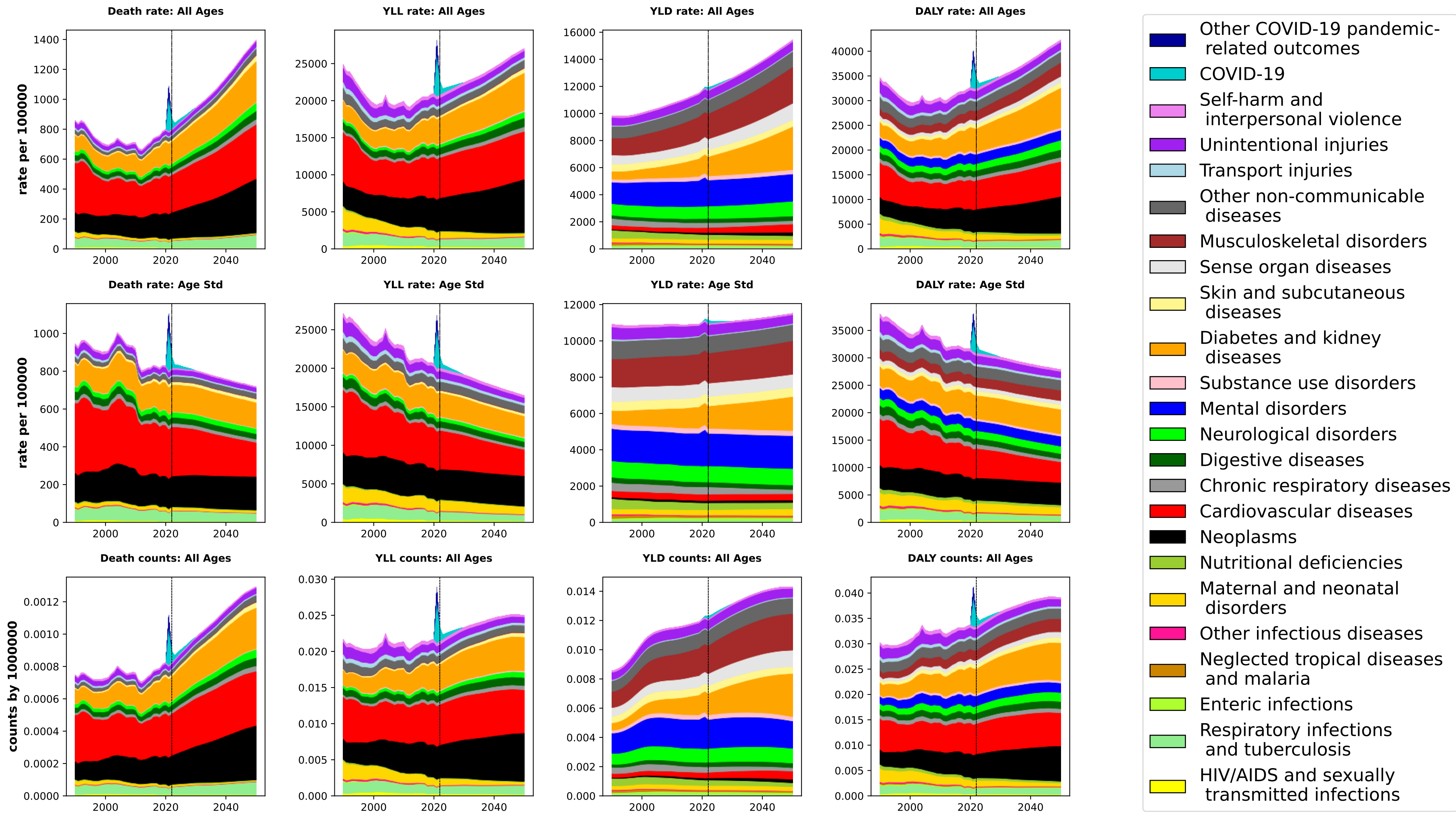
# Dominican Republic

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

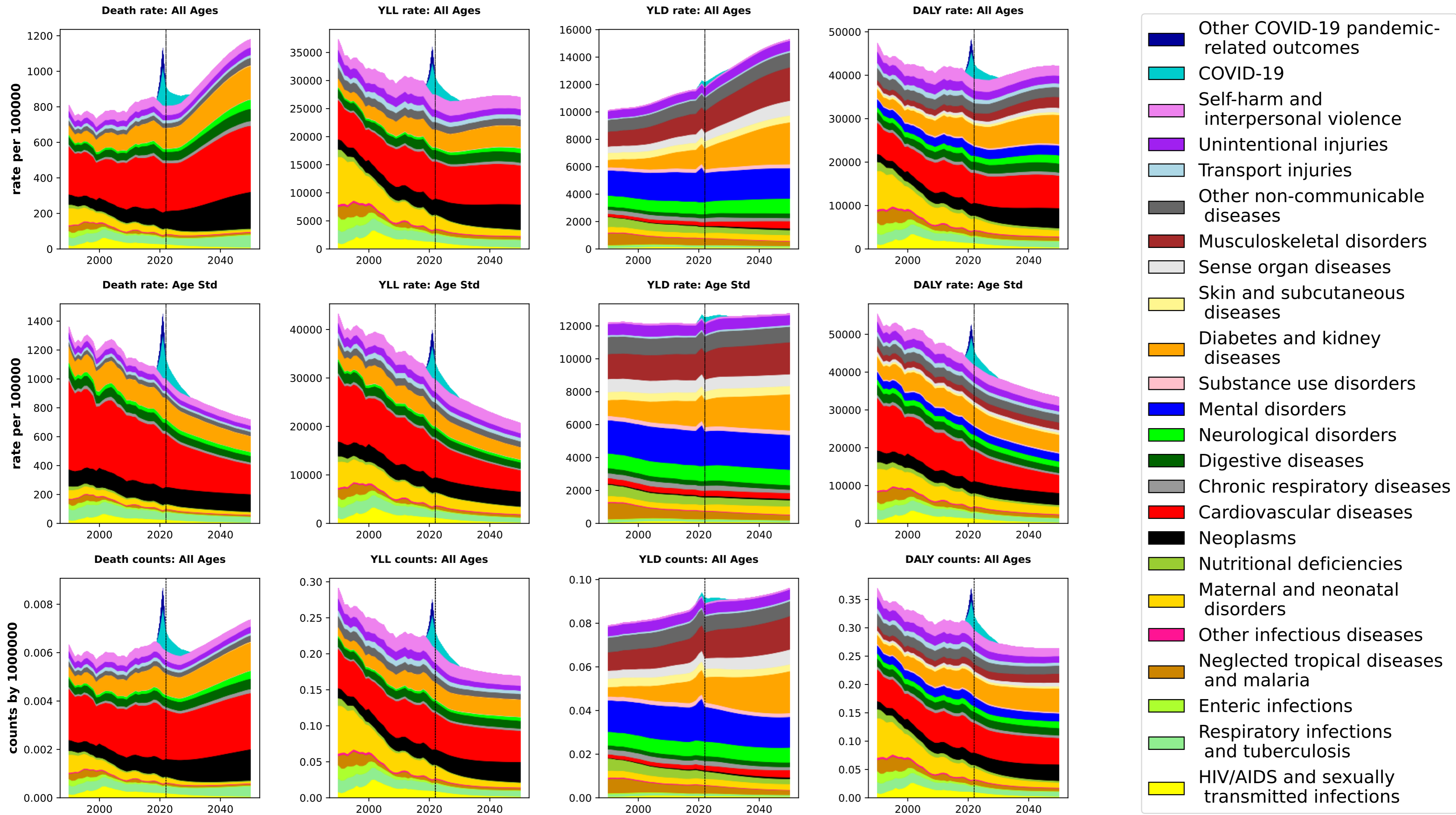
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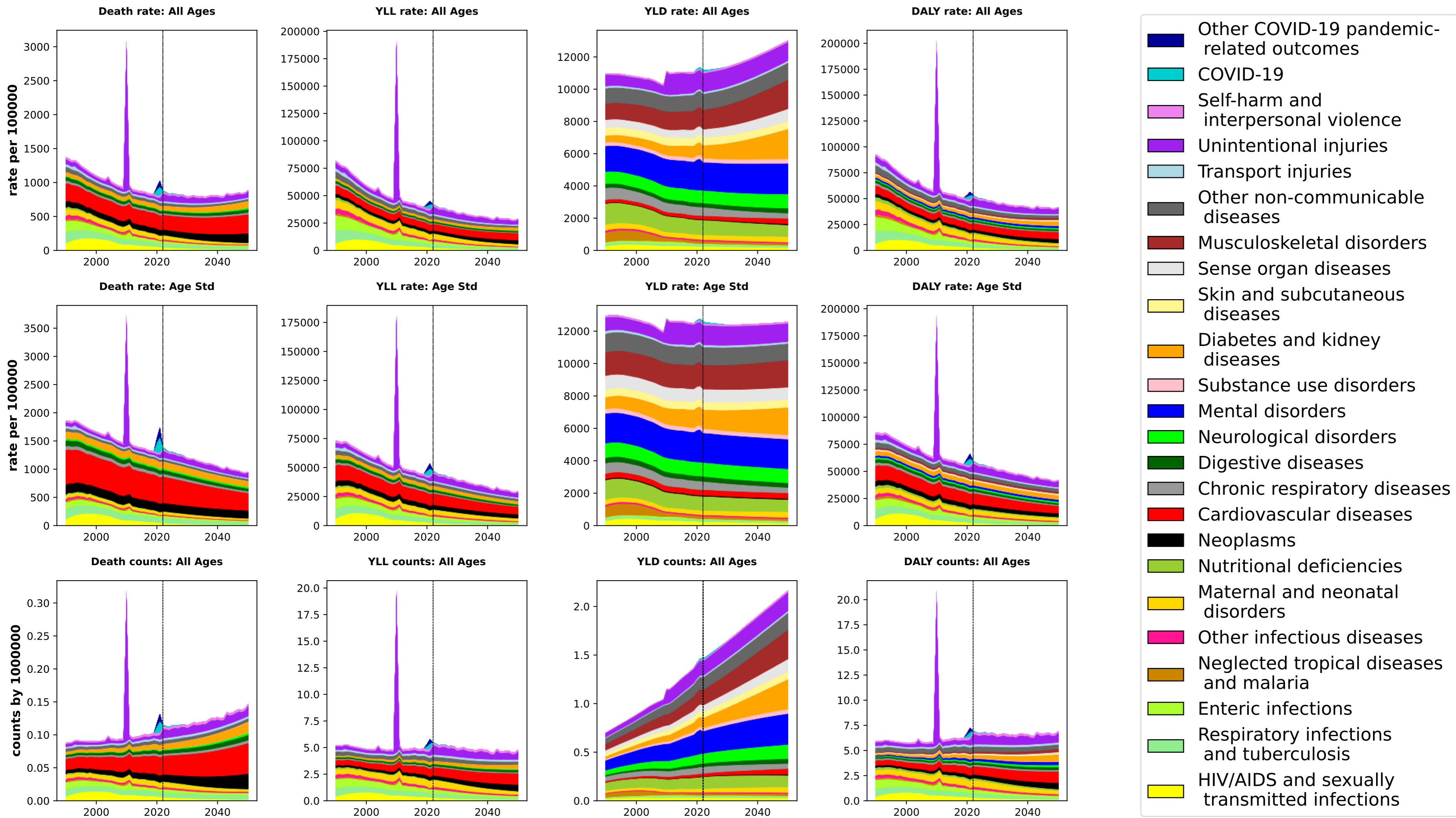


# Grenada

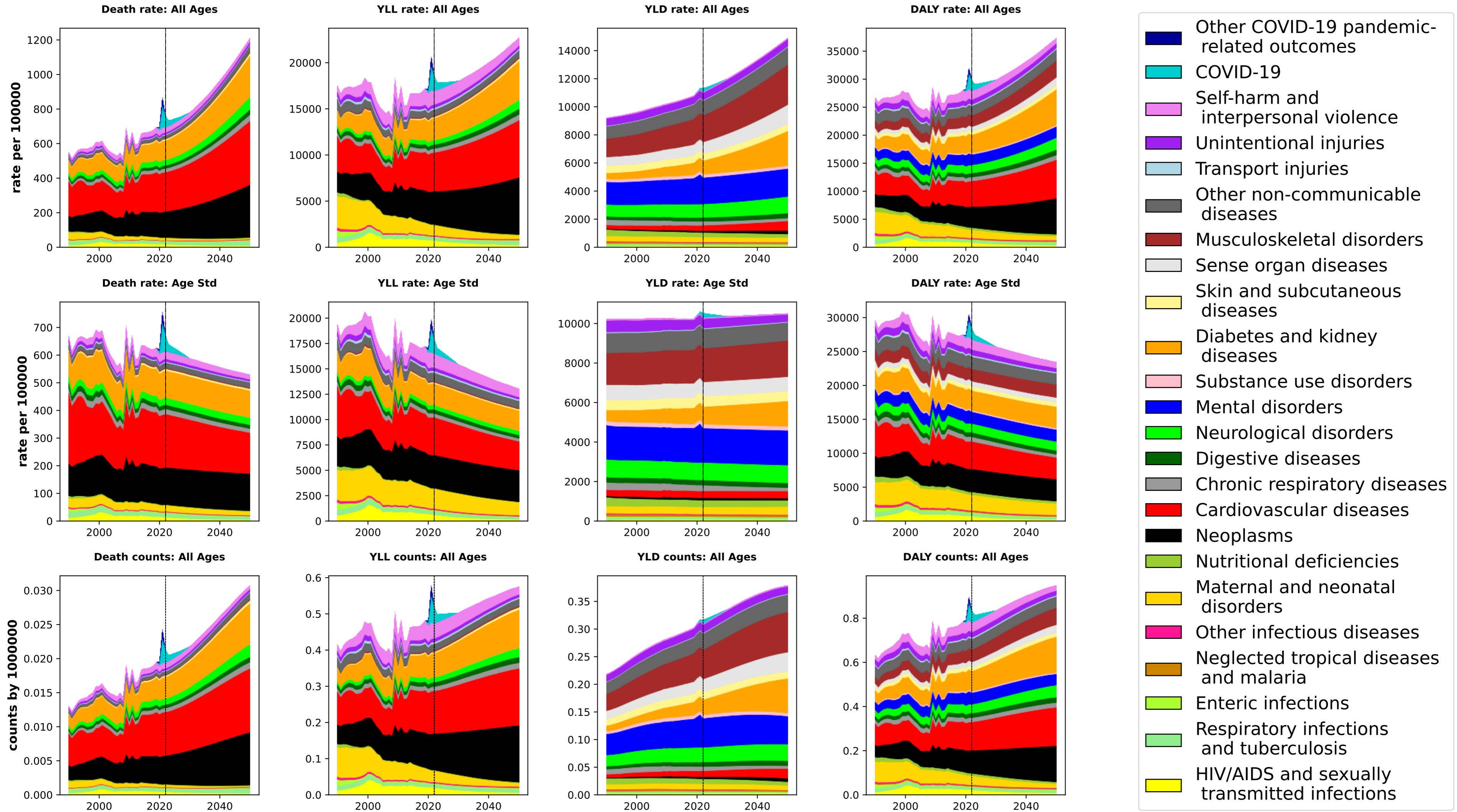


# Guyana





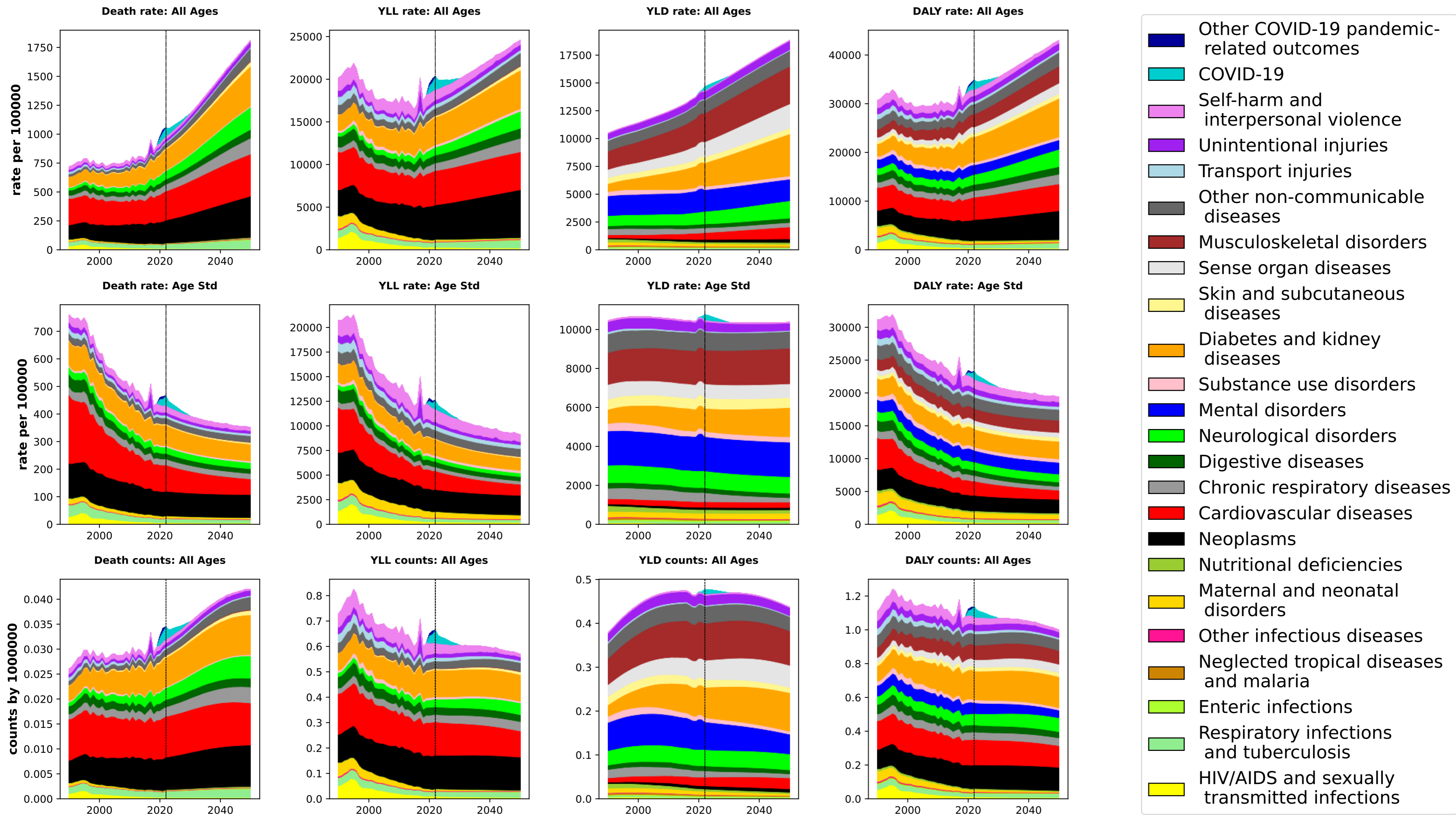
# Jamaica



# Puerto Rico

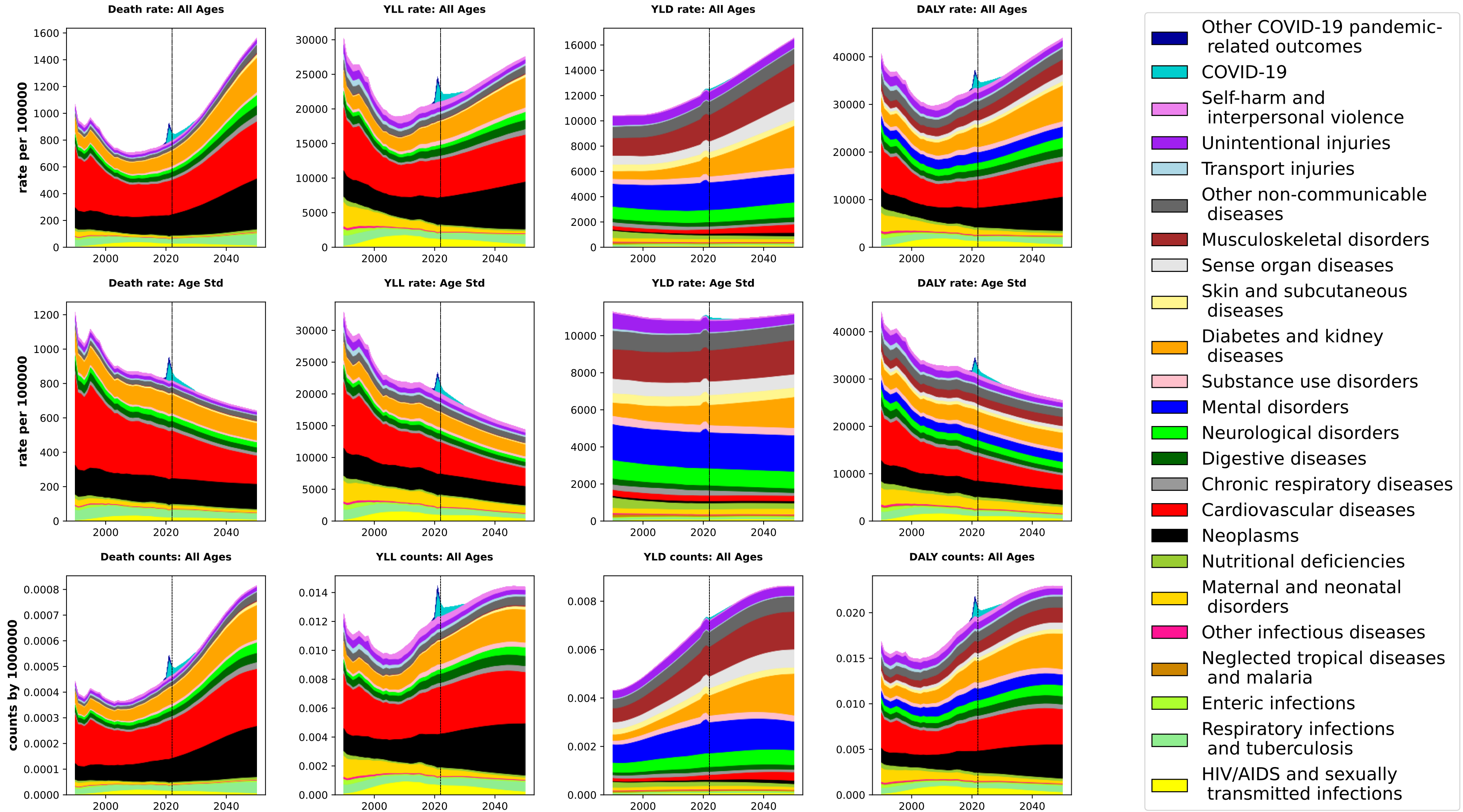
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

791

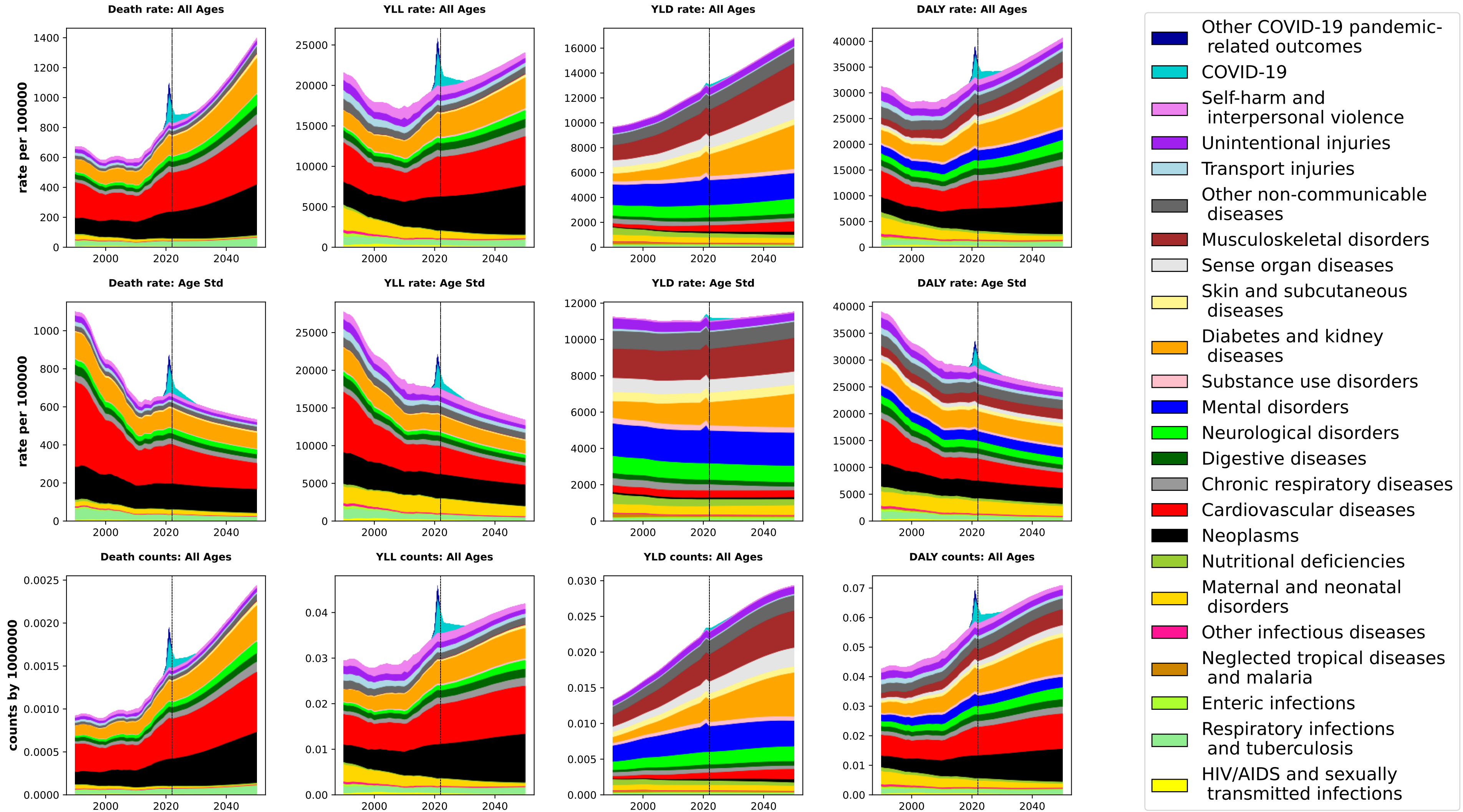




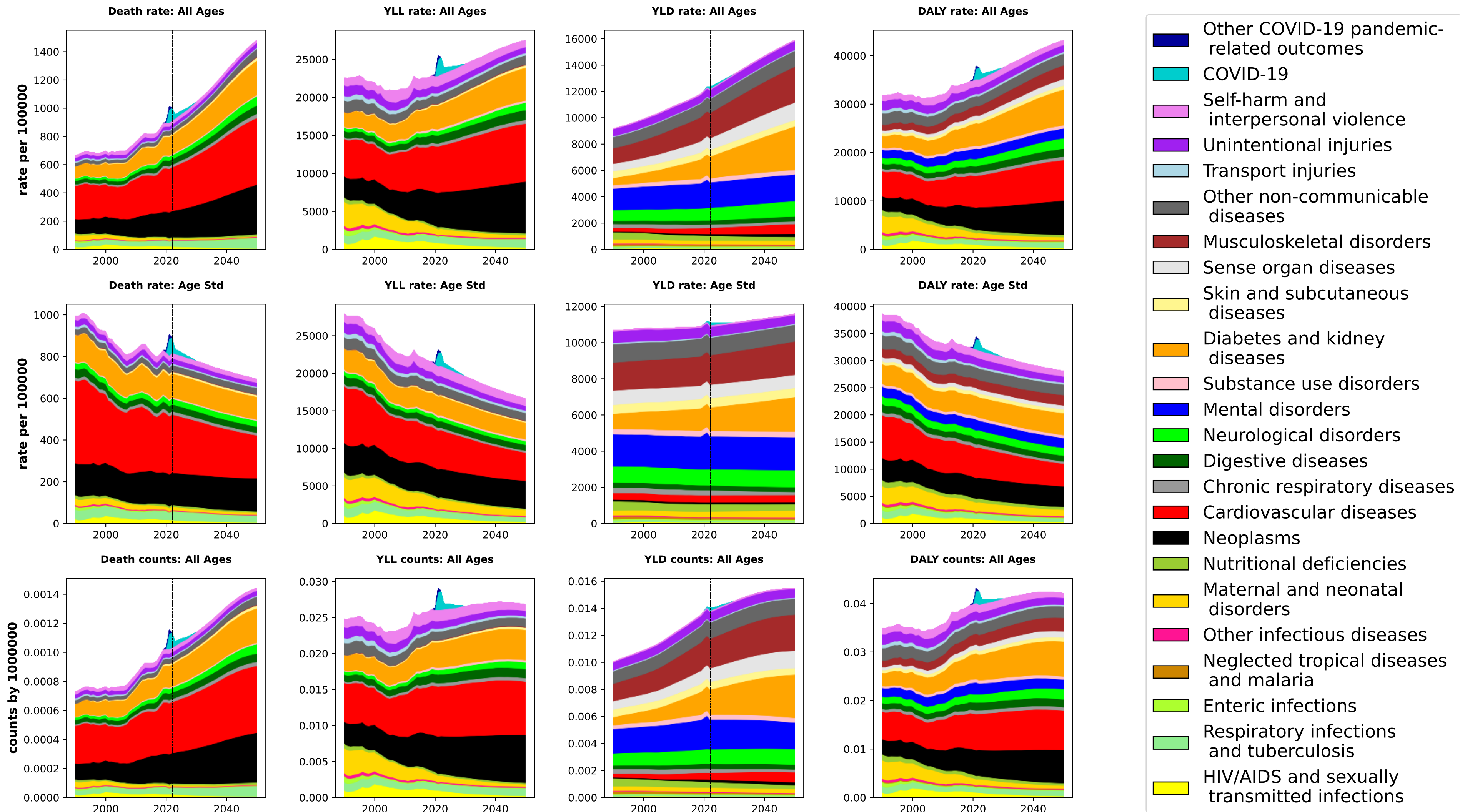
# Saint Kitts and Nevis



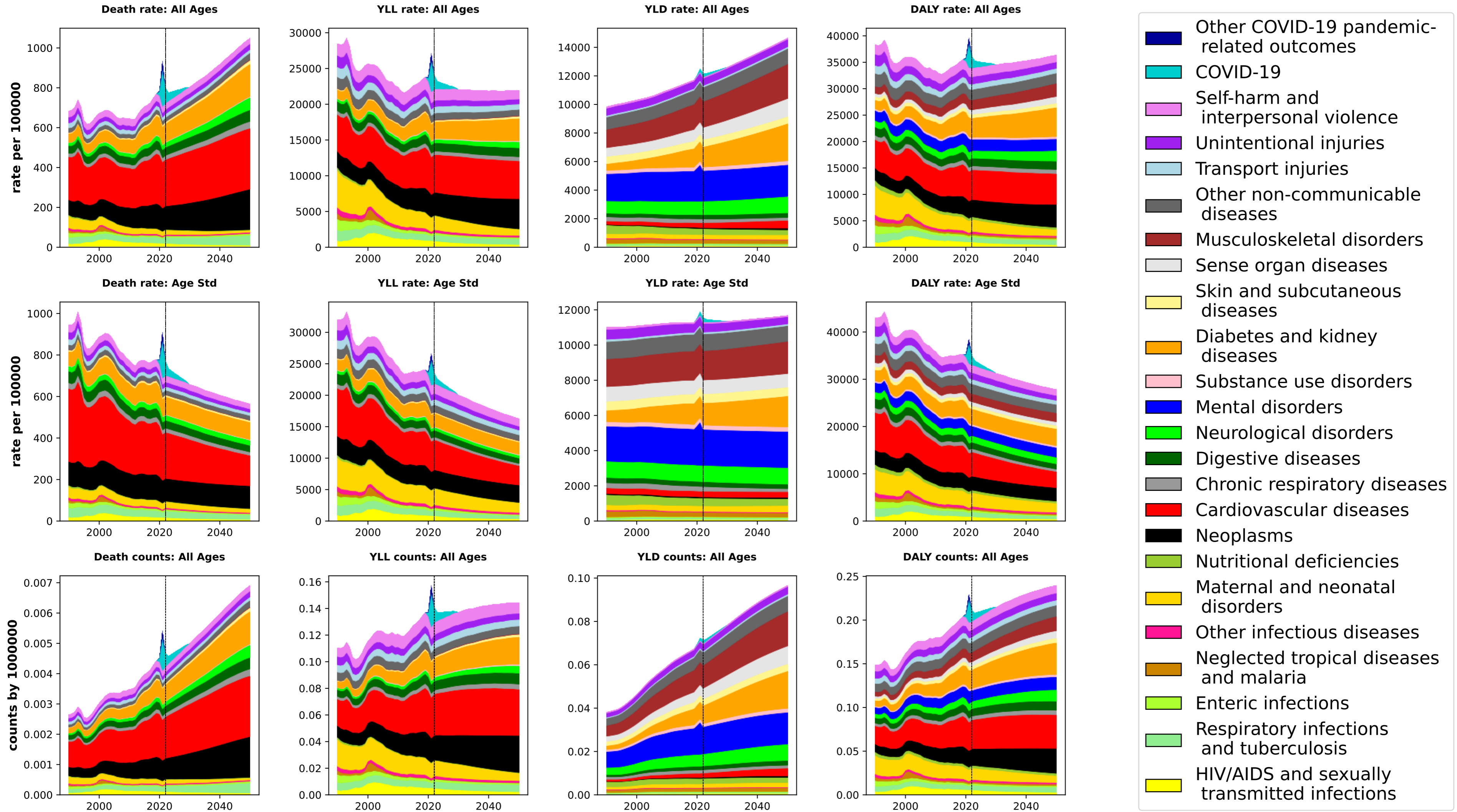
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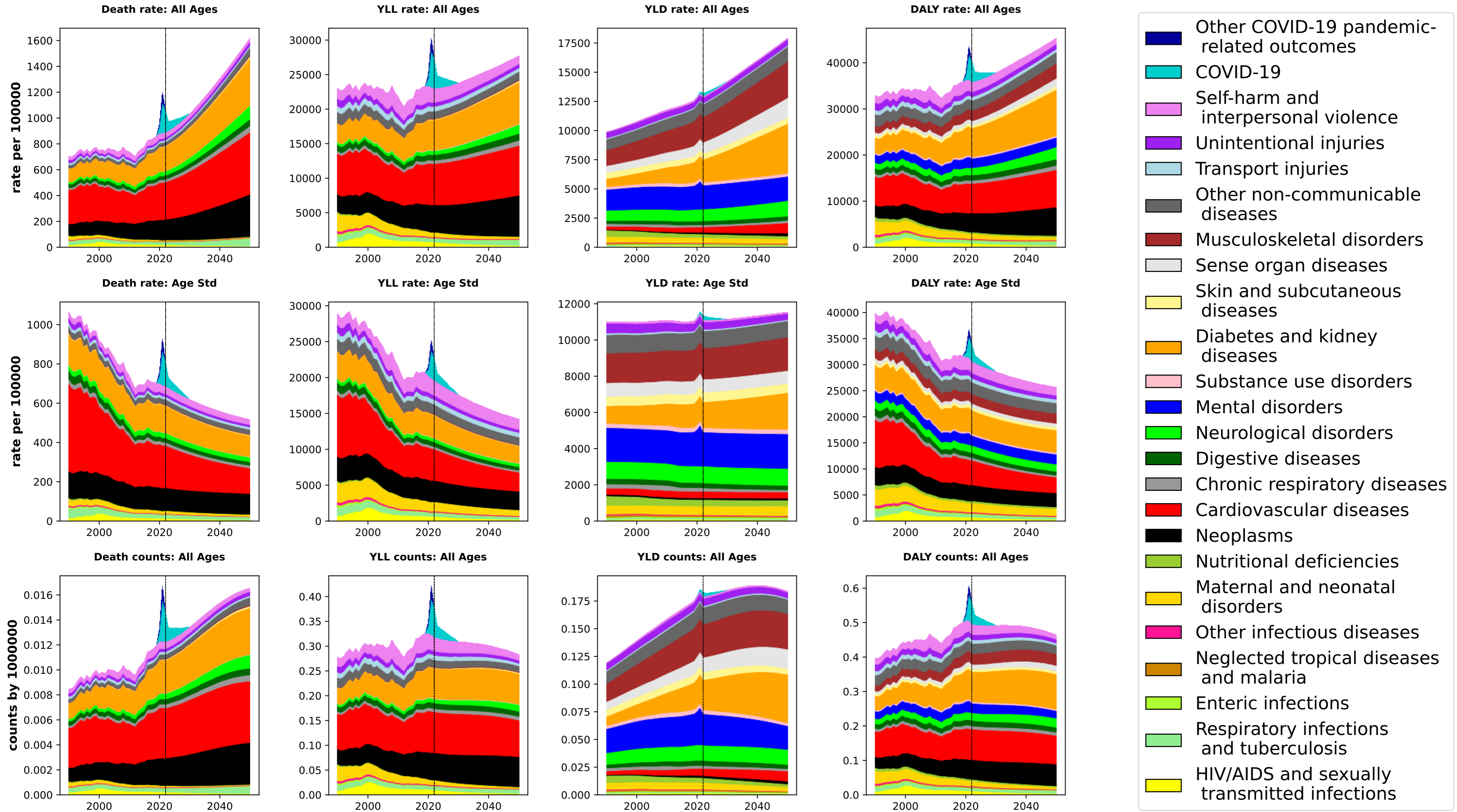
# Saint Vincent and the Grenadines



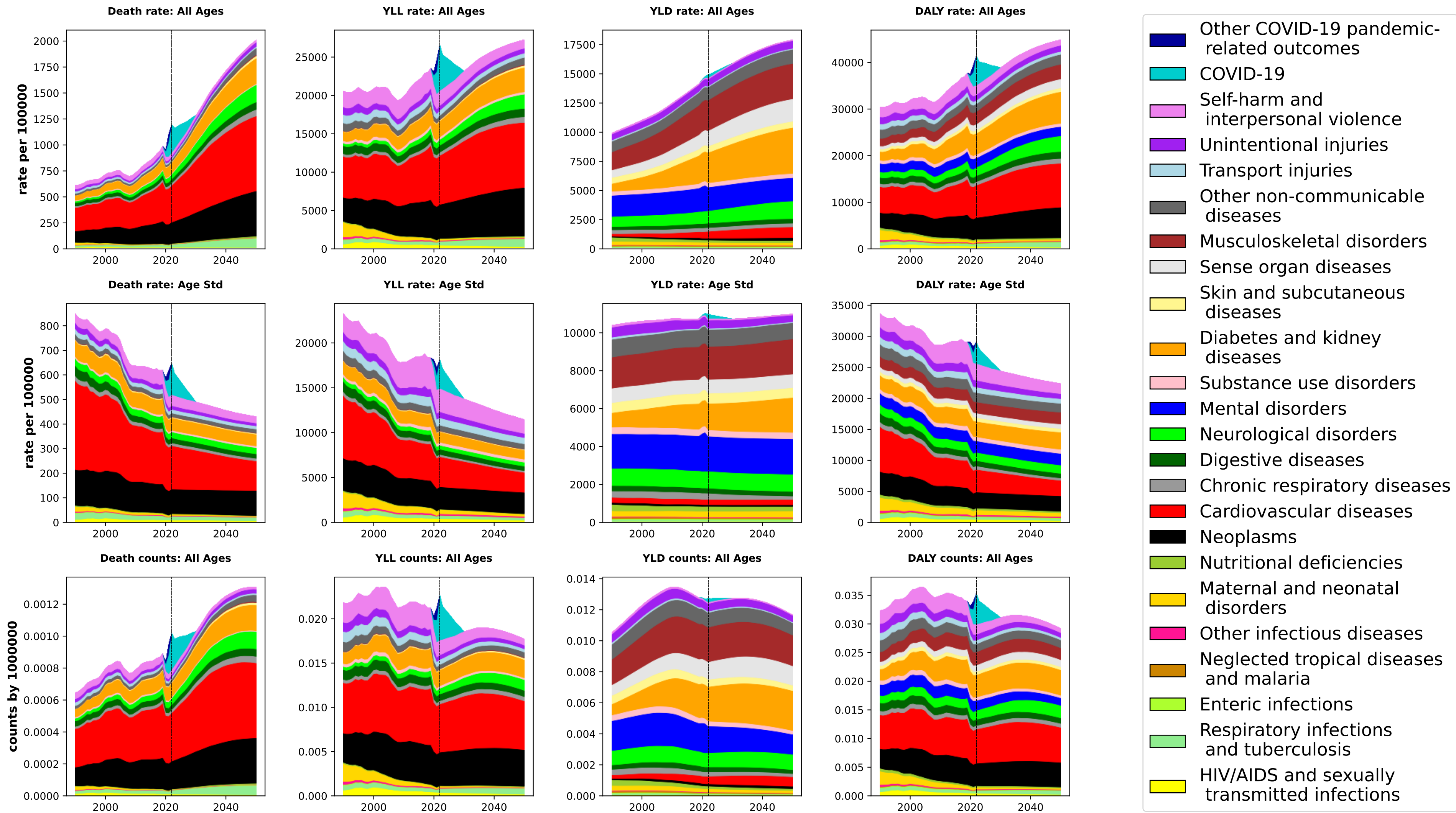
# Suriname



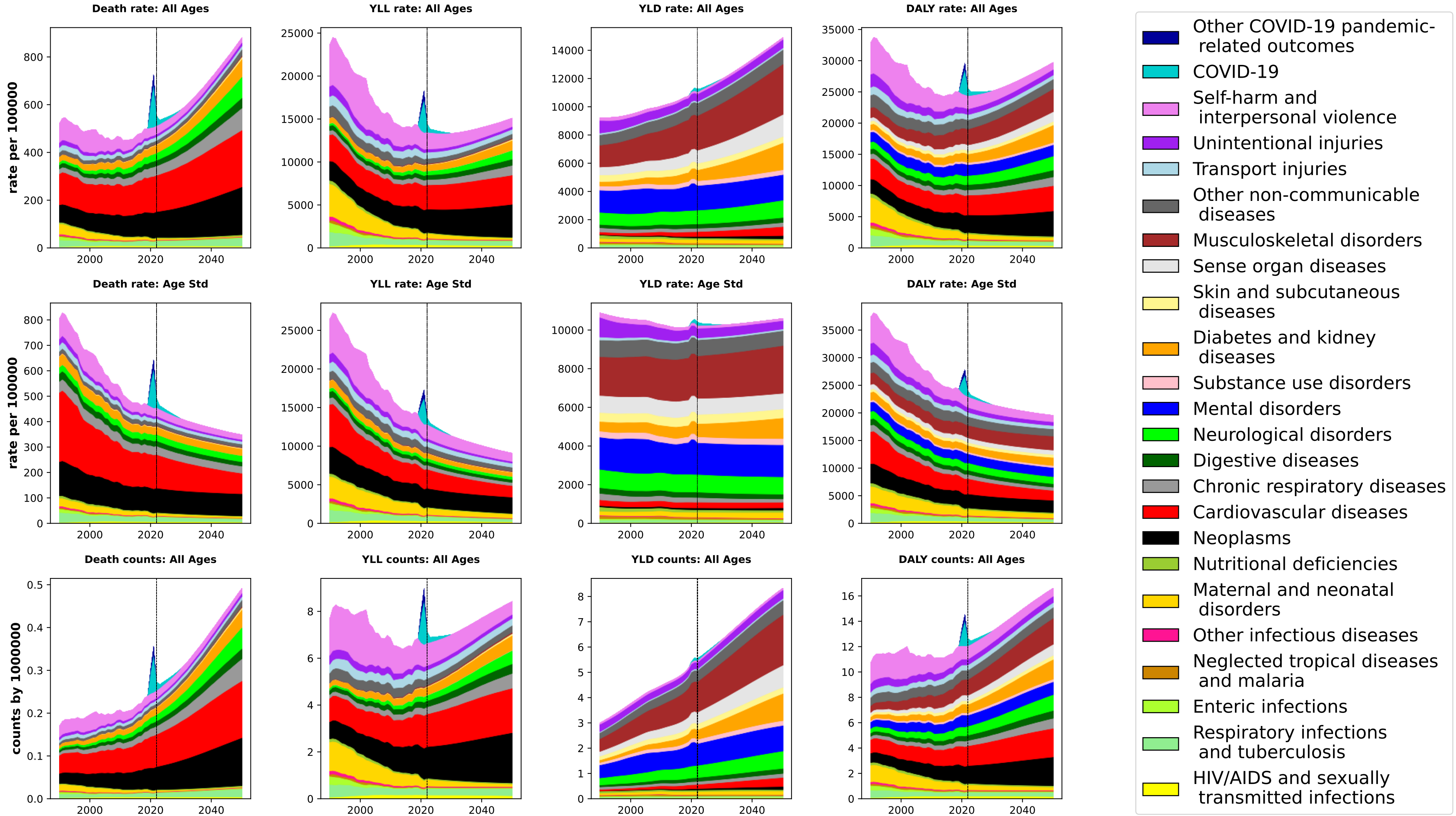
# Trinidad and Tobago



# Virgin Islands



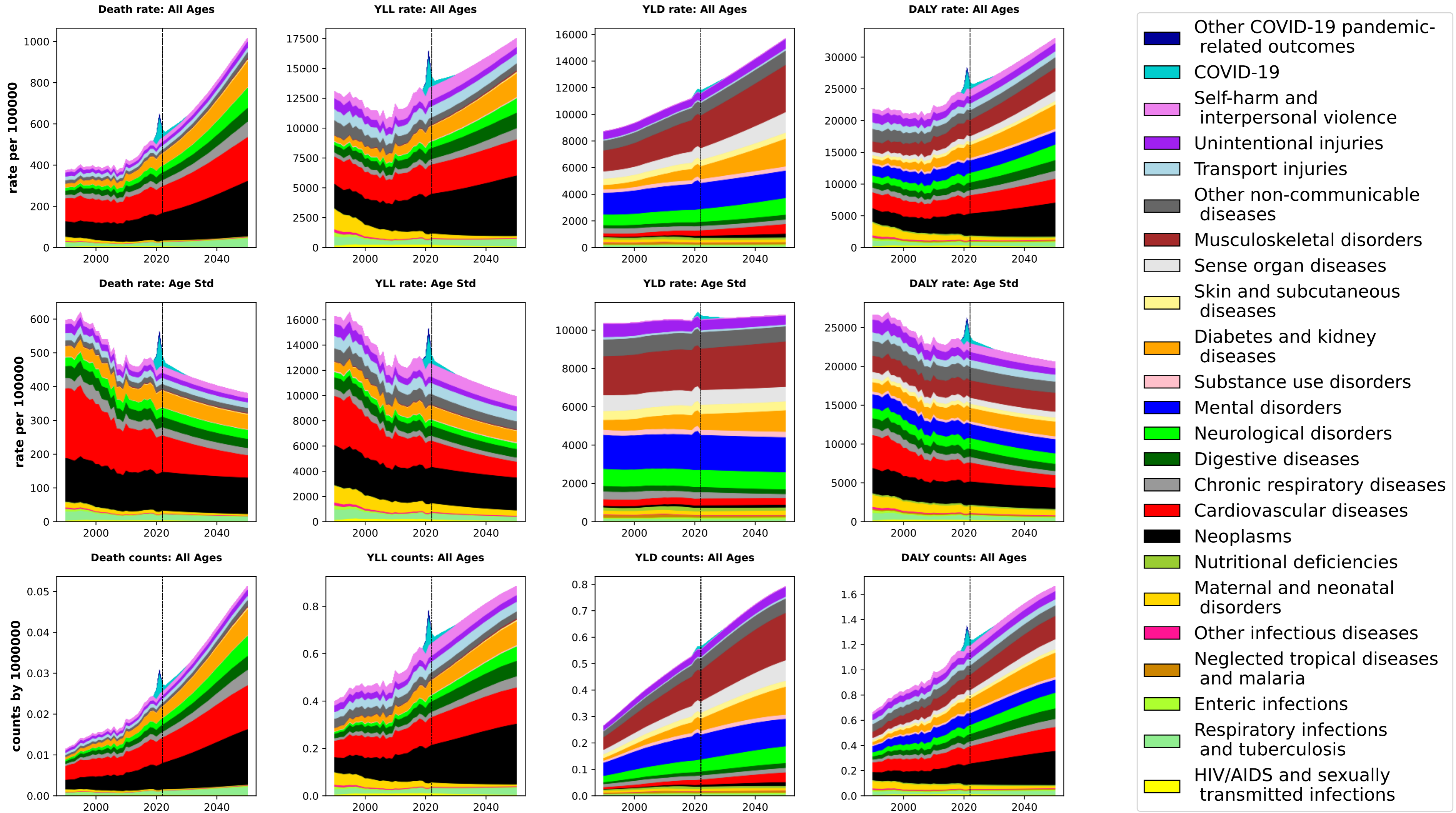
# Colombia



# Costa Rica

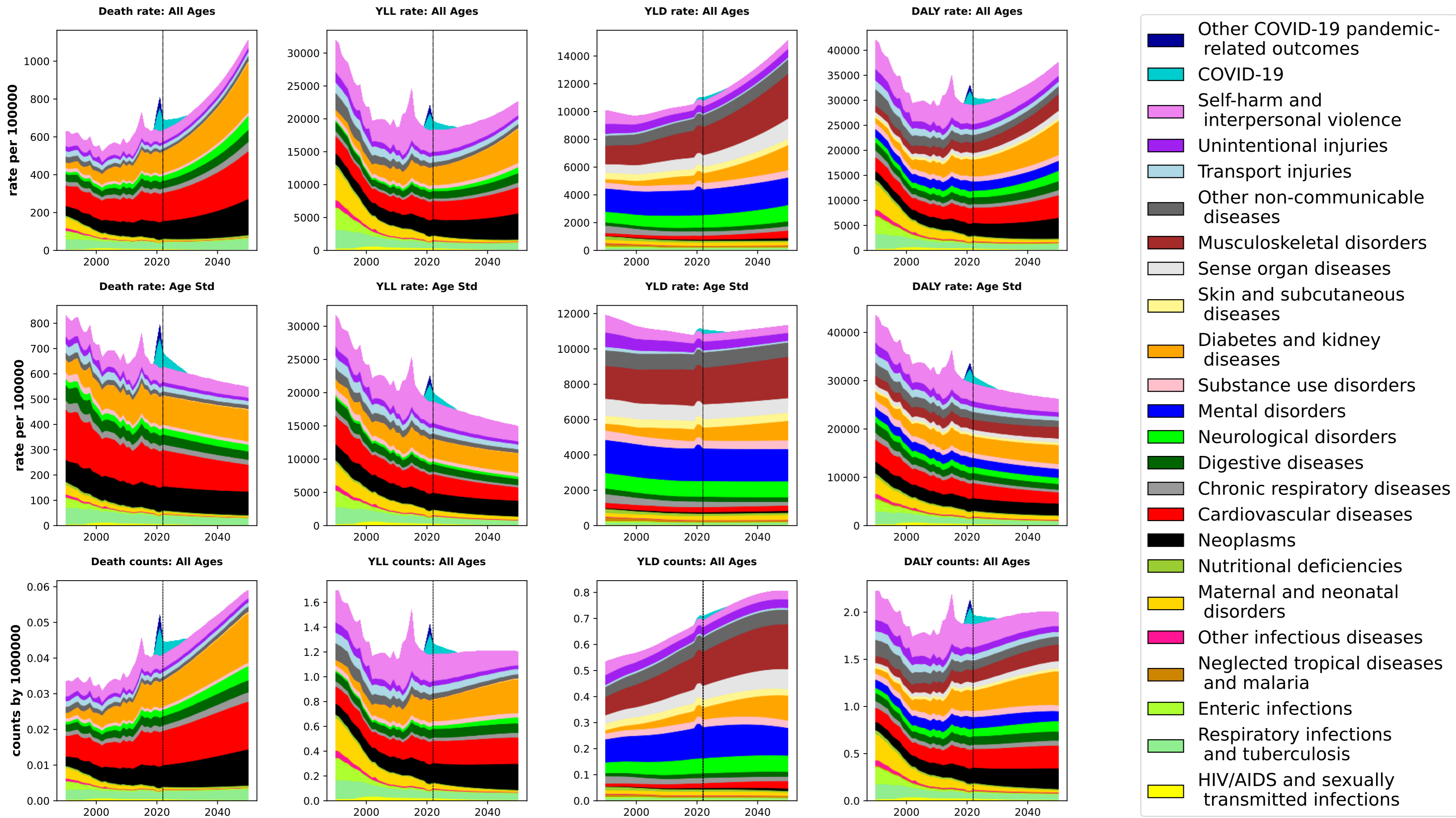
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

799

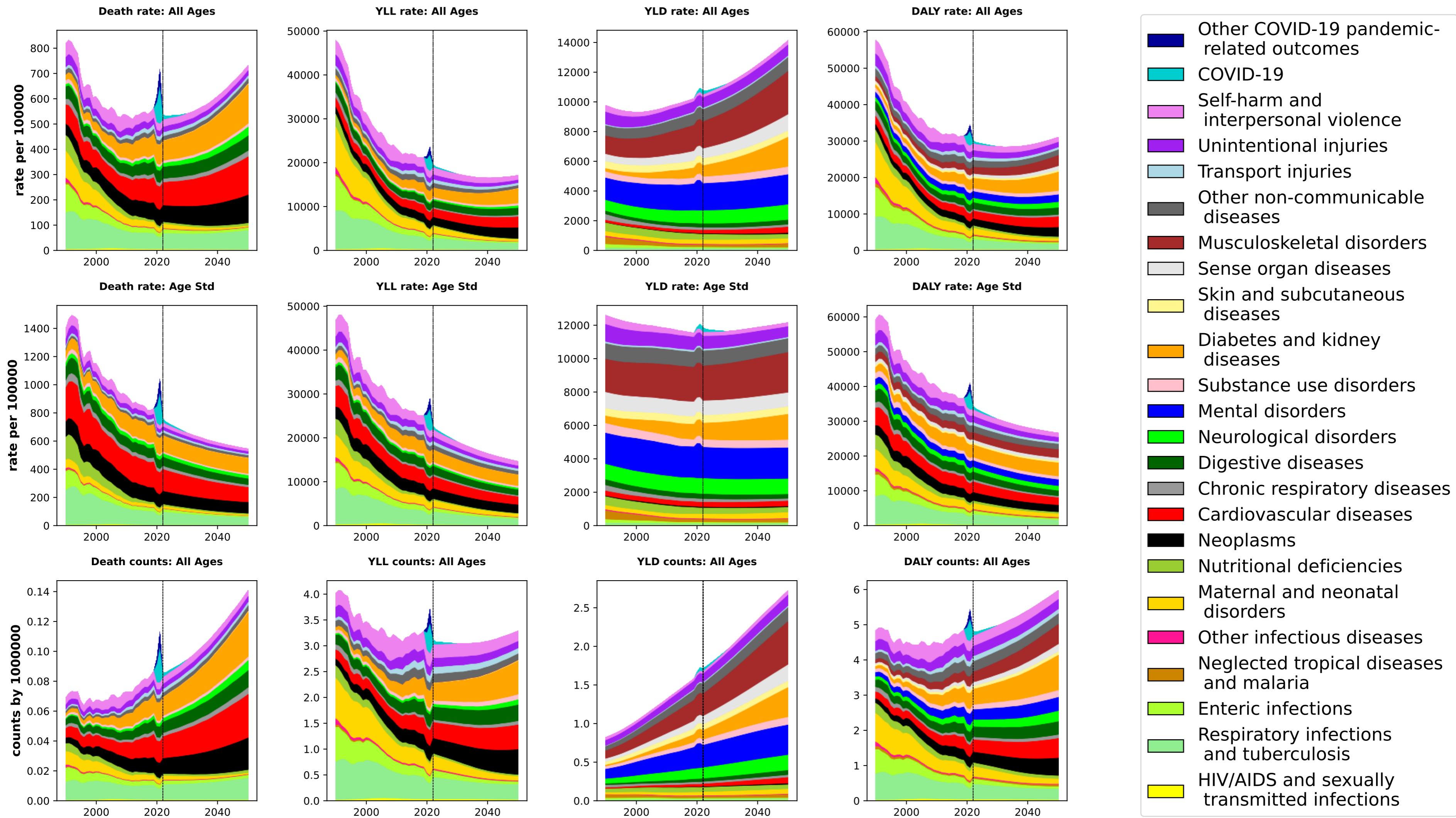




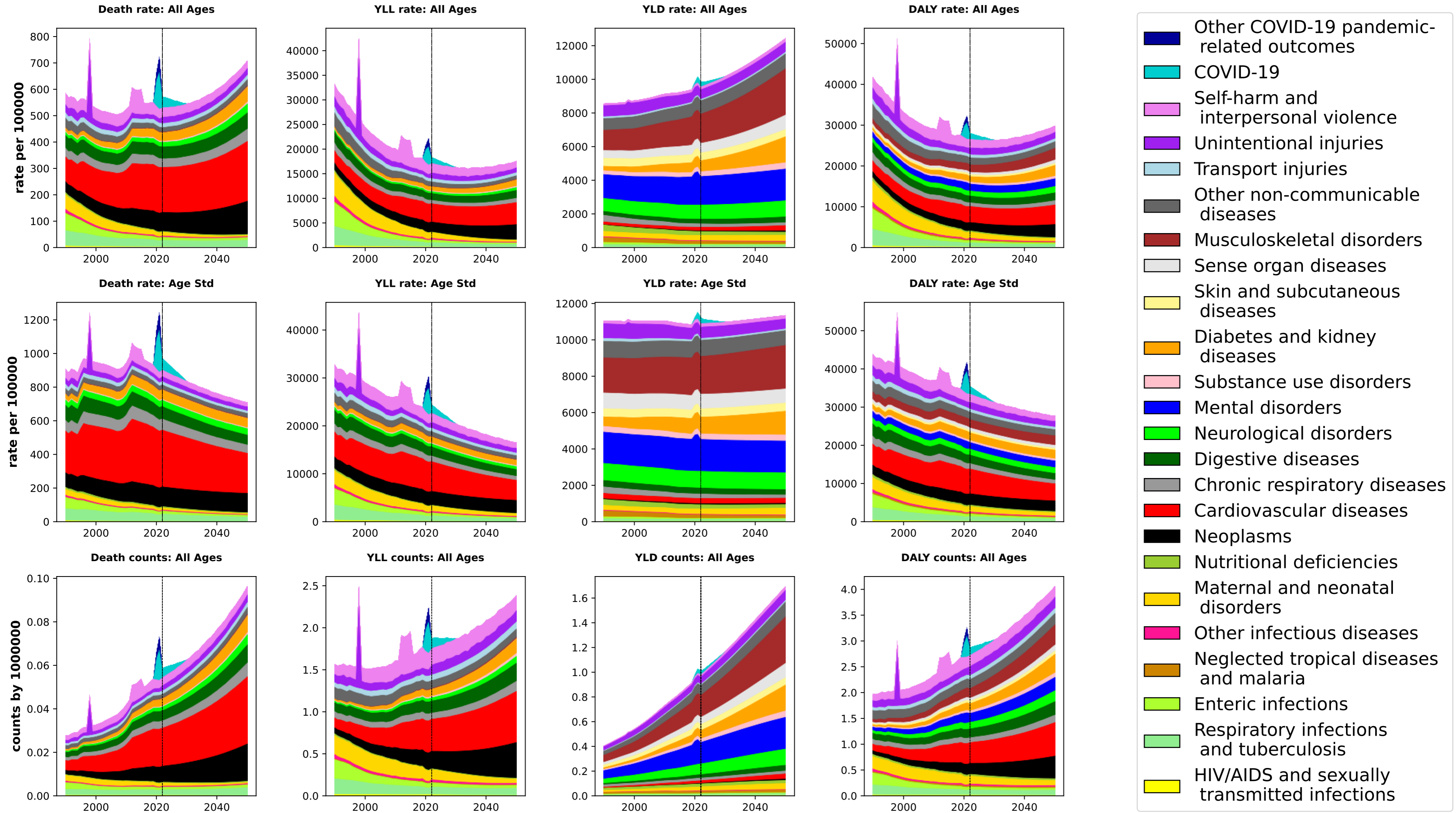
# El Salvador



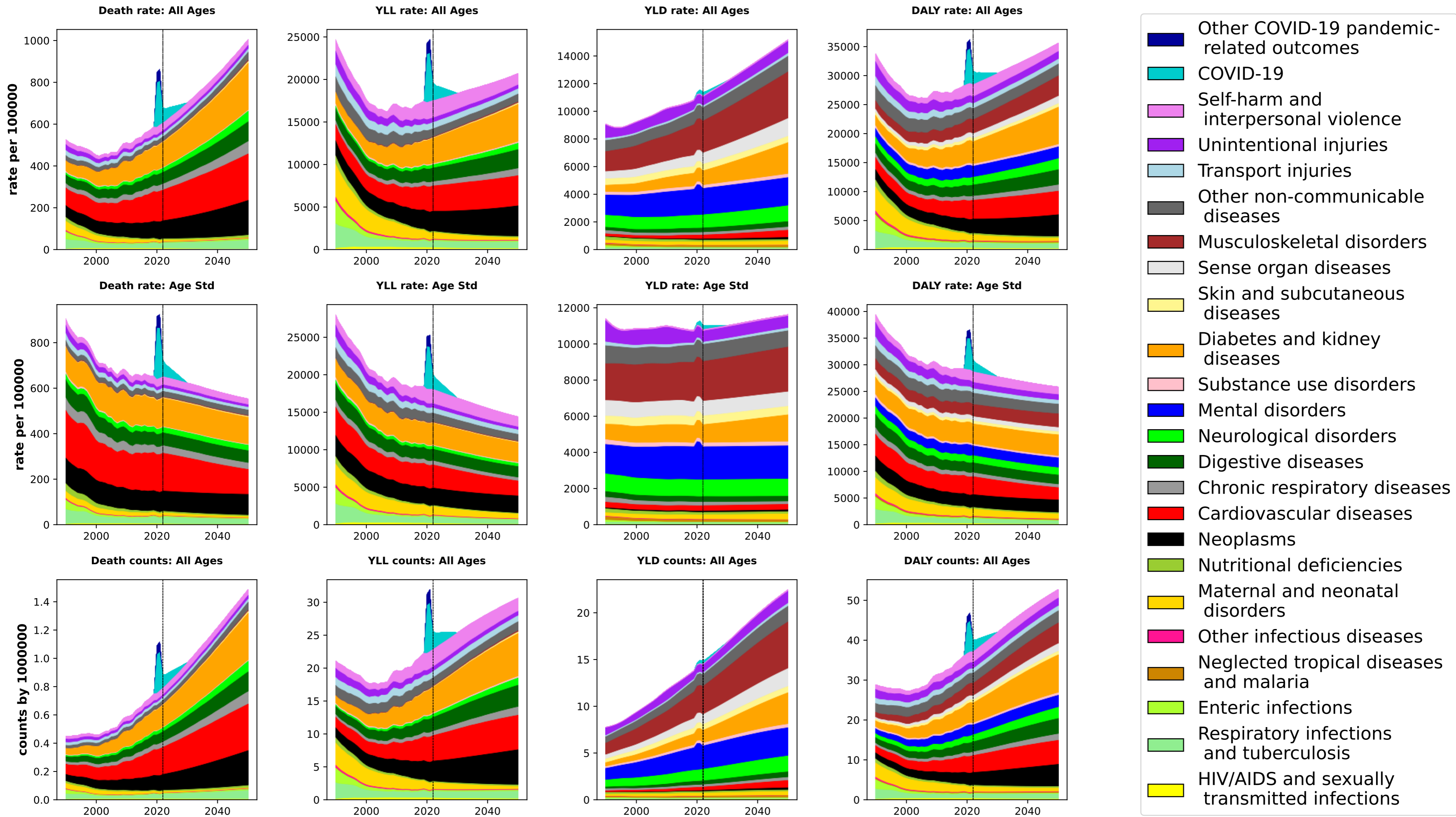
# Guatemala



# Honduras



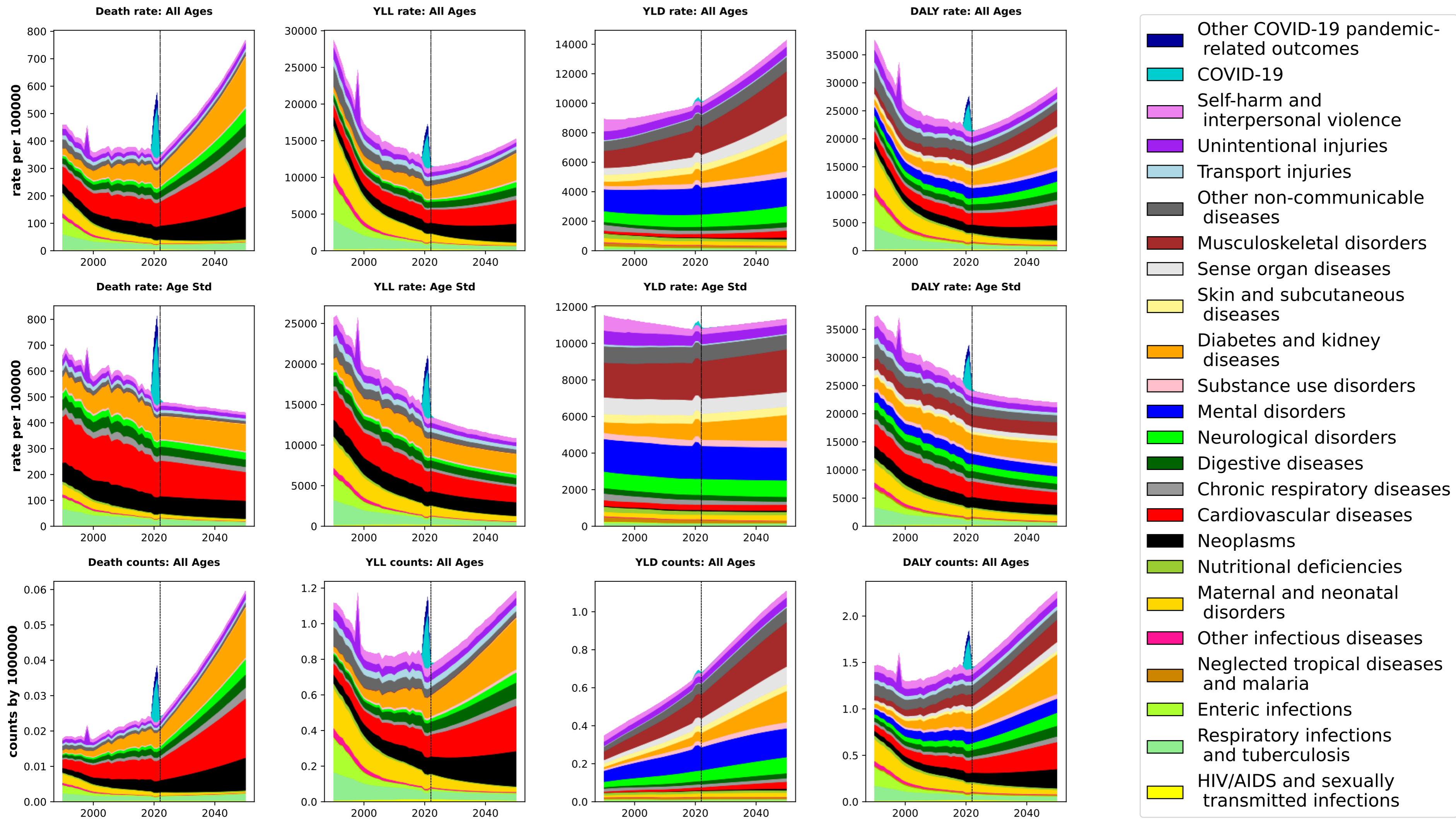
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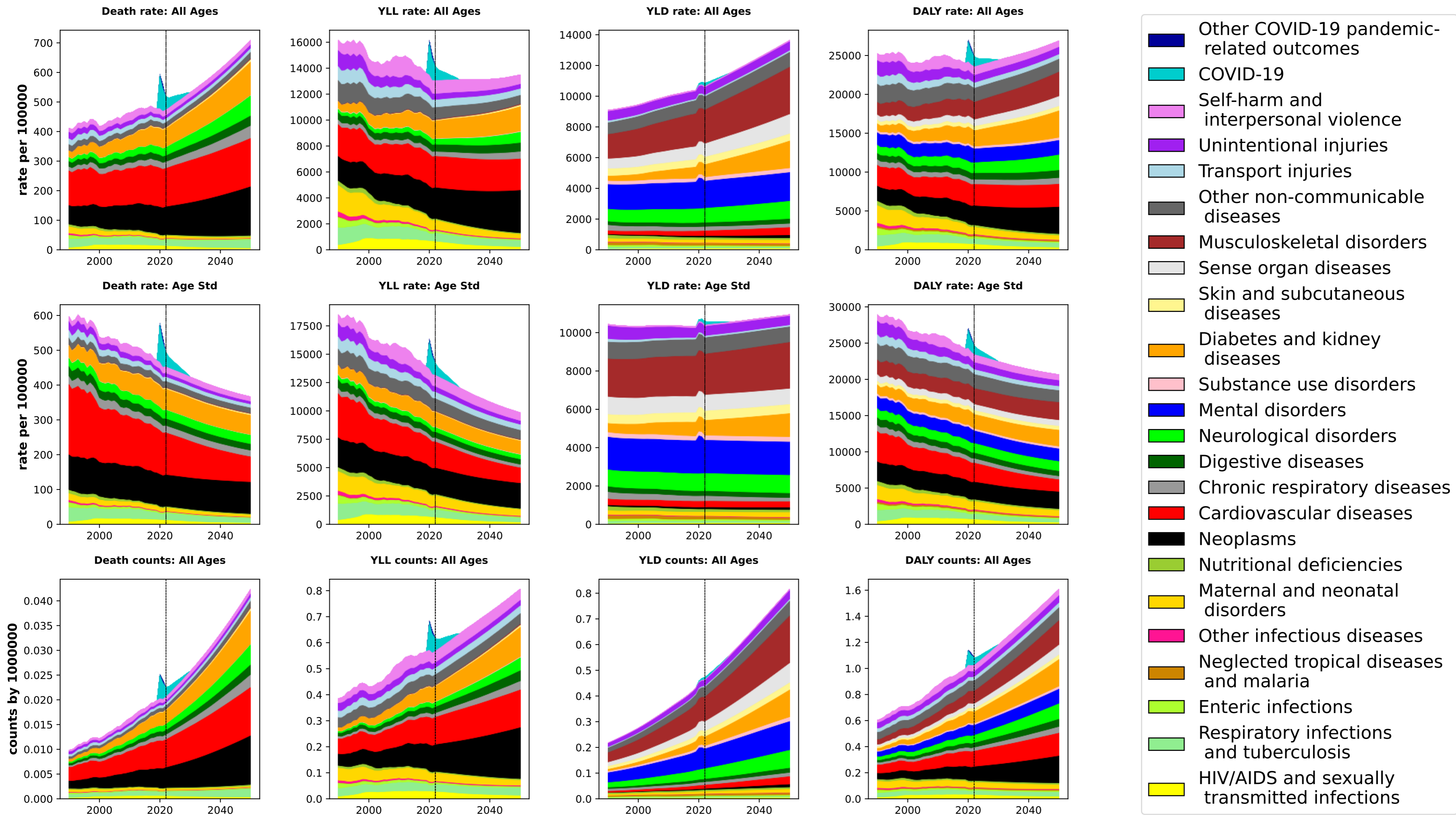
# Nicaragua

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

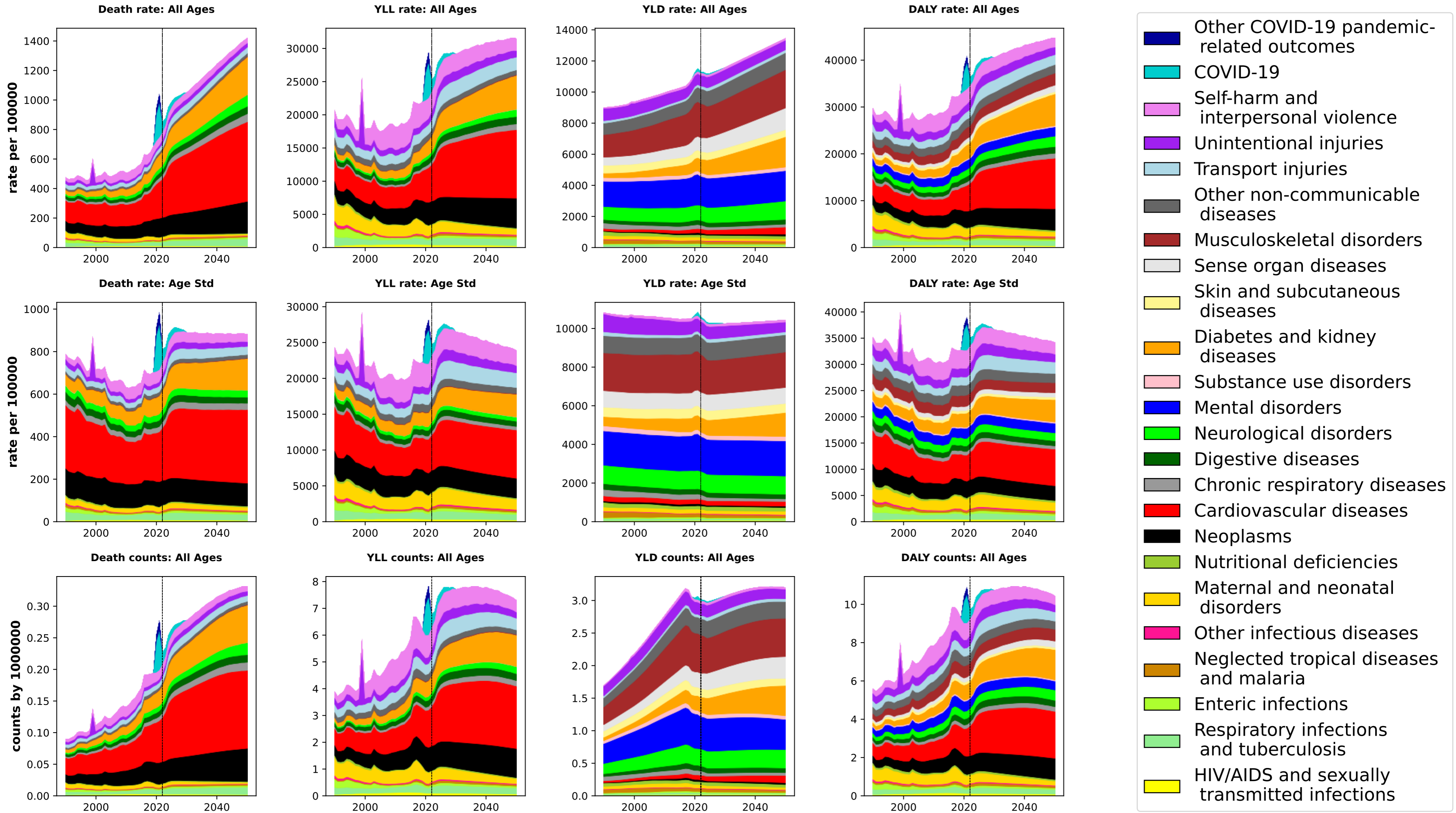
804



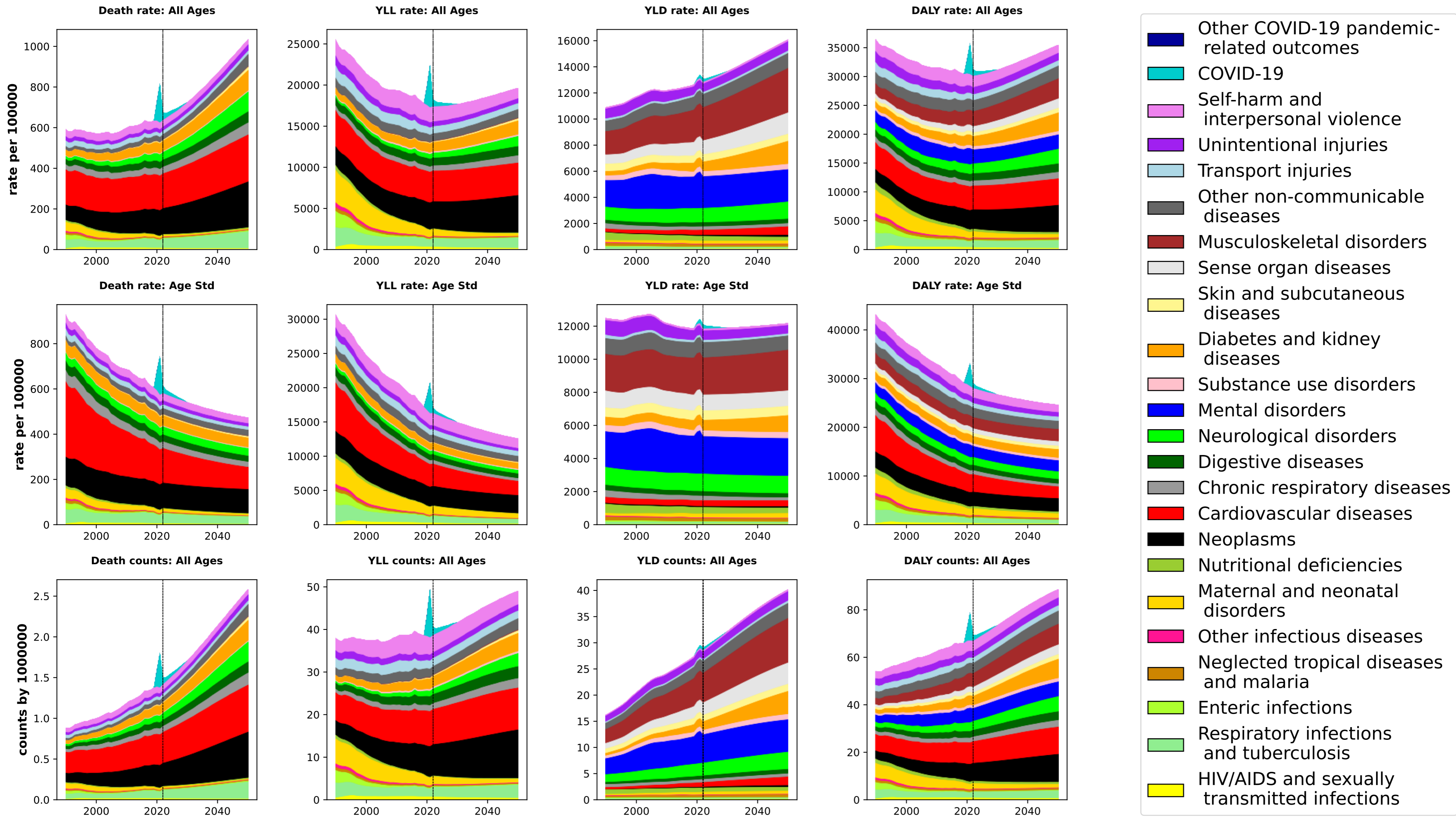
# Panama



# Venezuela

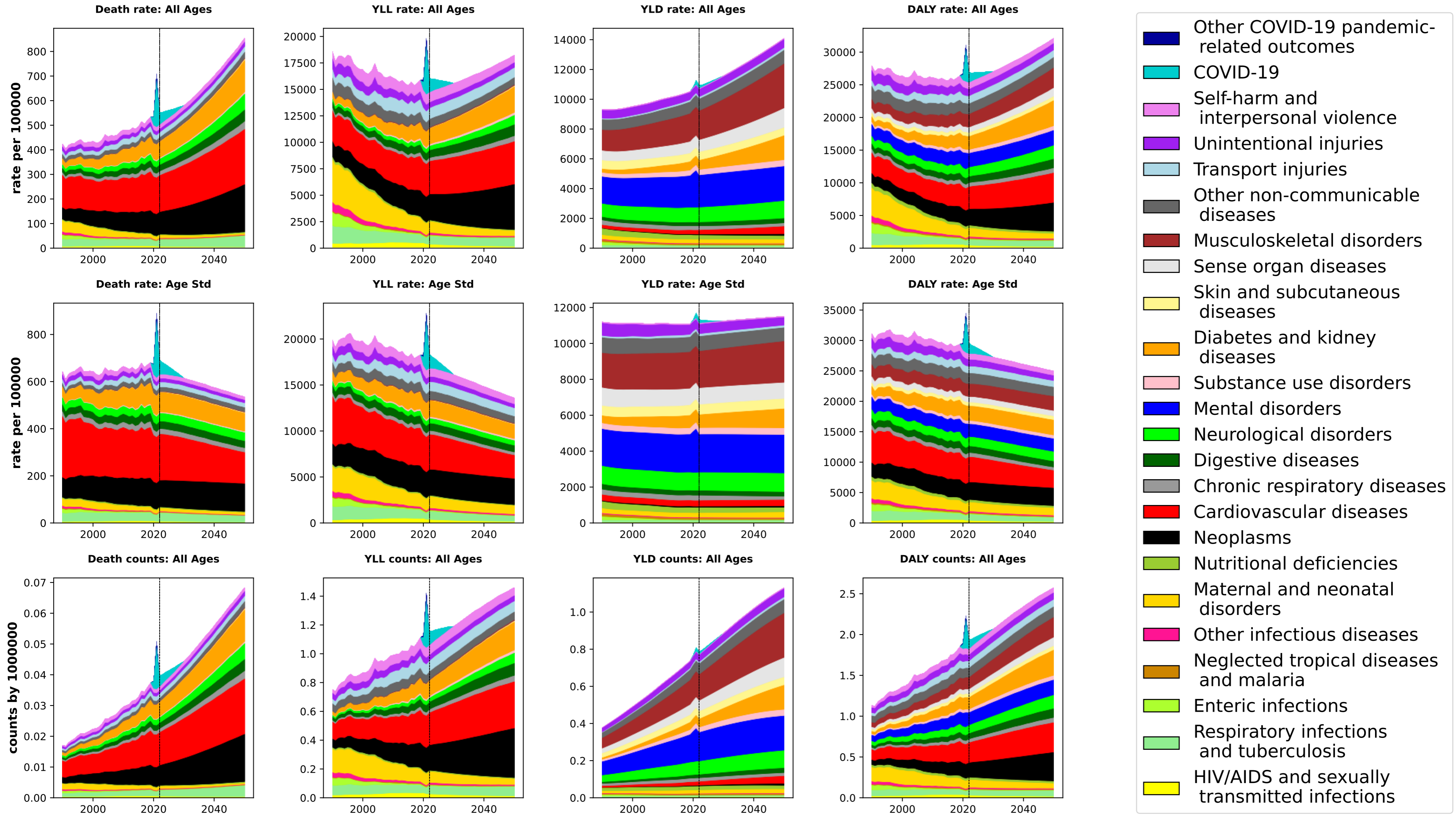


# Brazil

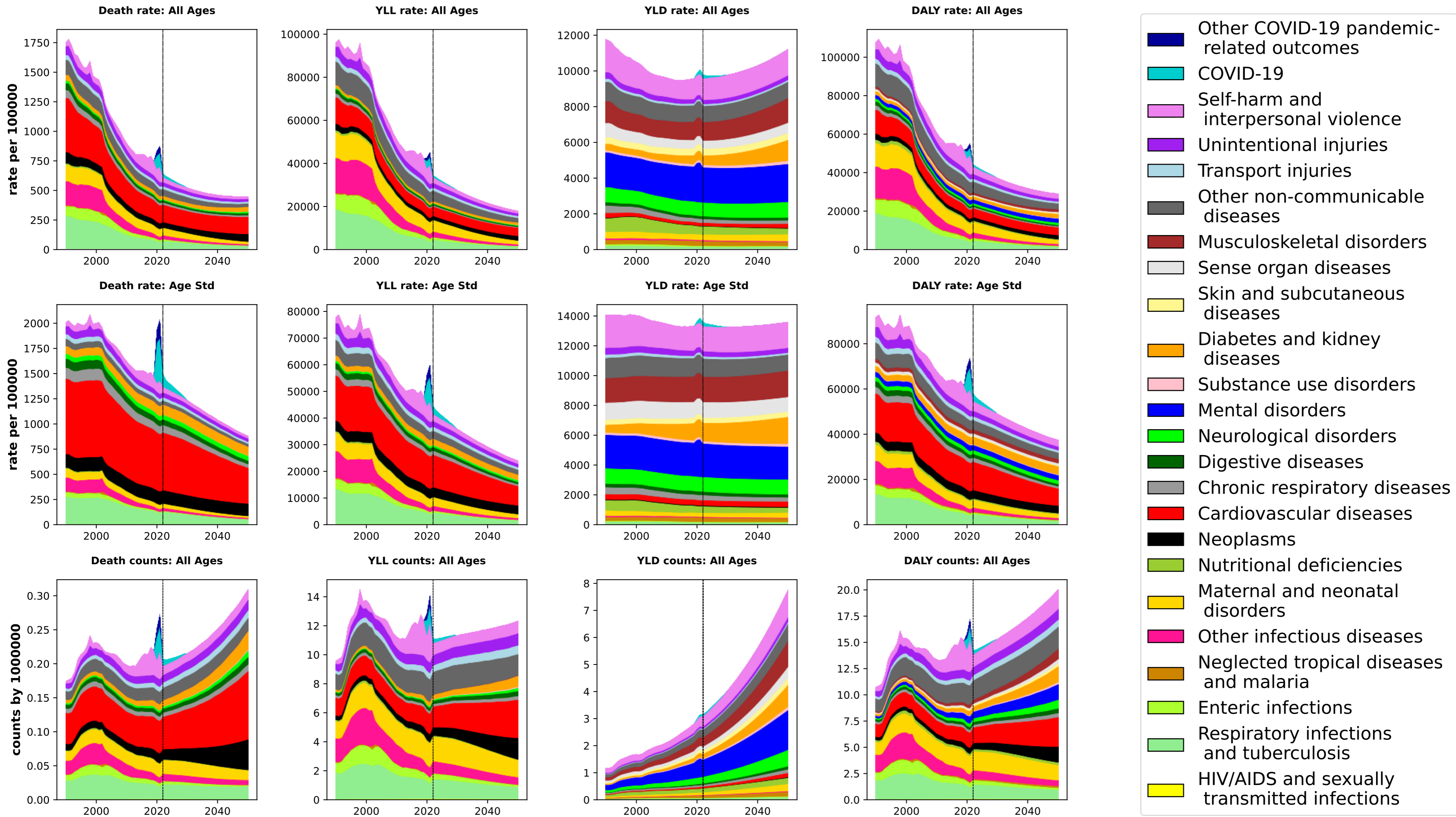




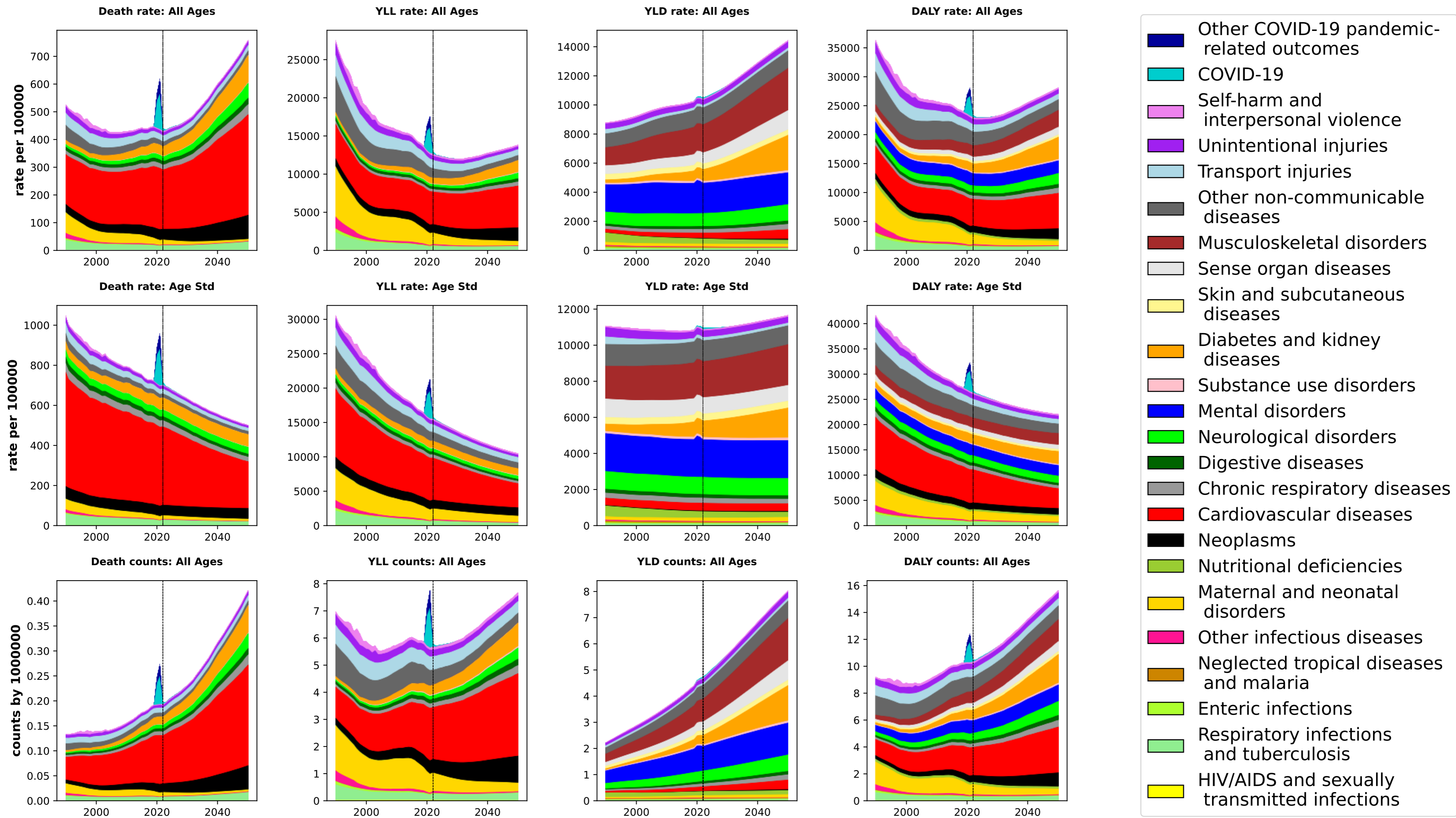
# Paraguay



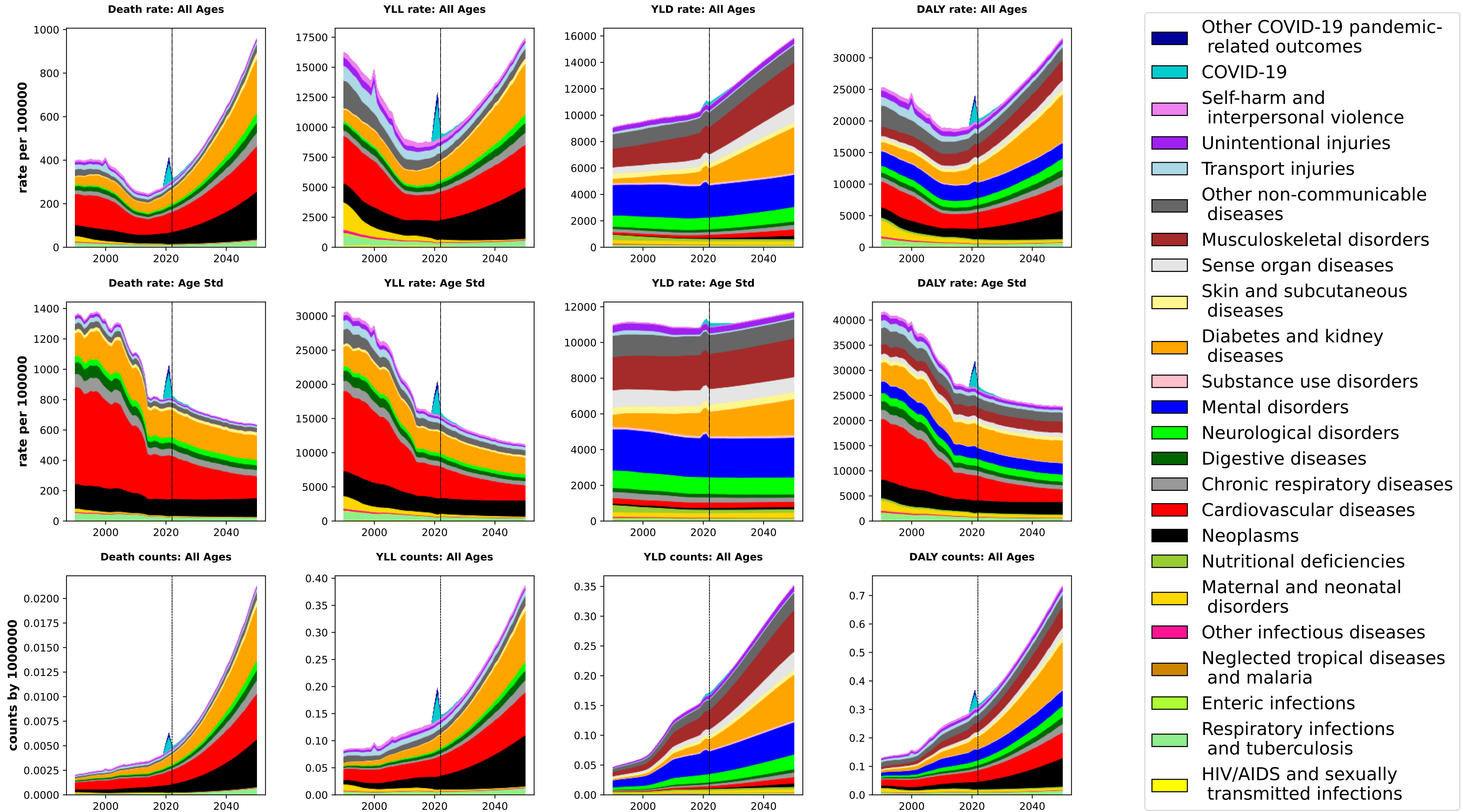
# Afghanistan



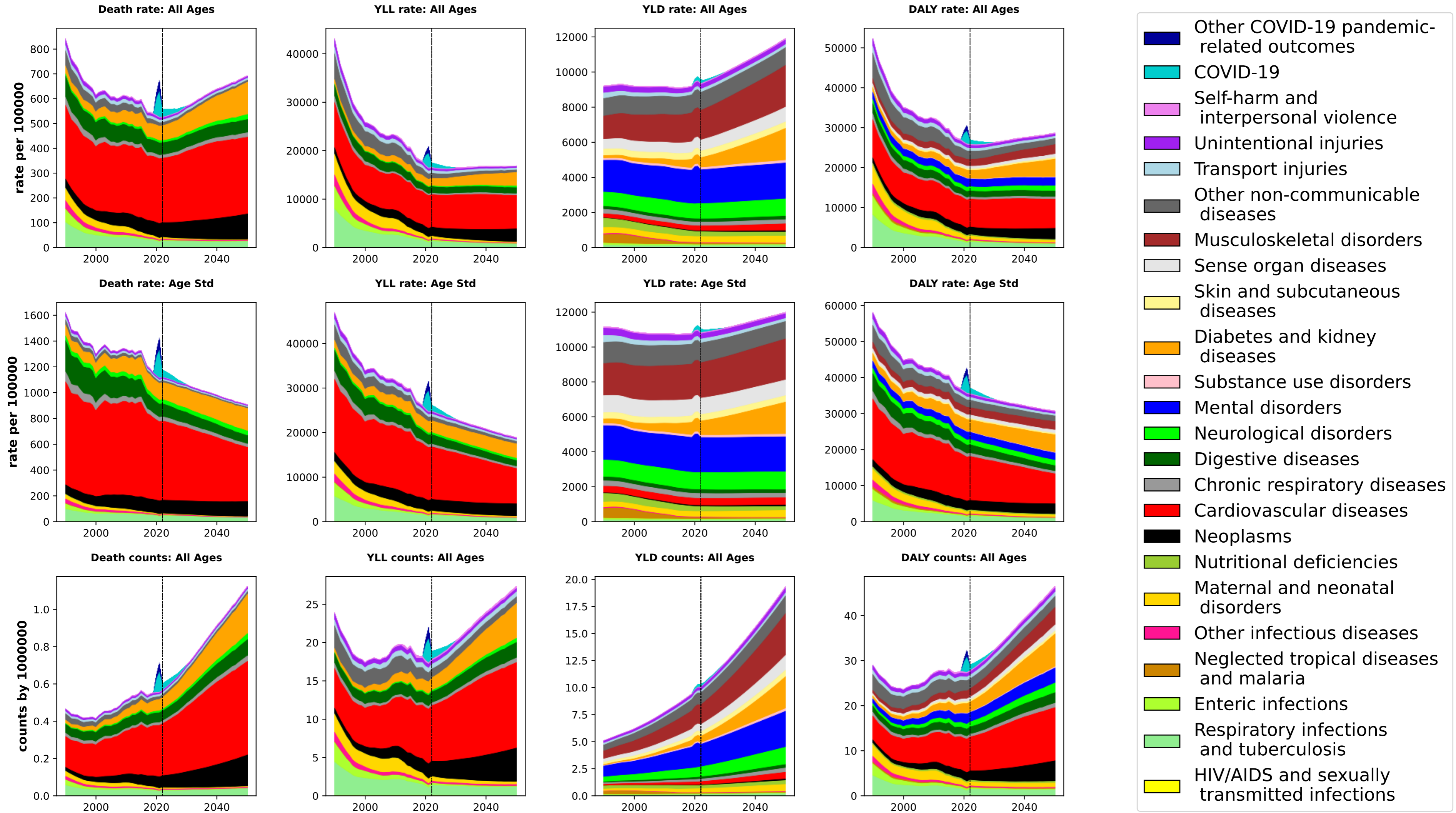
# Algeria

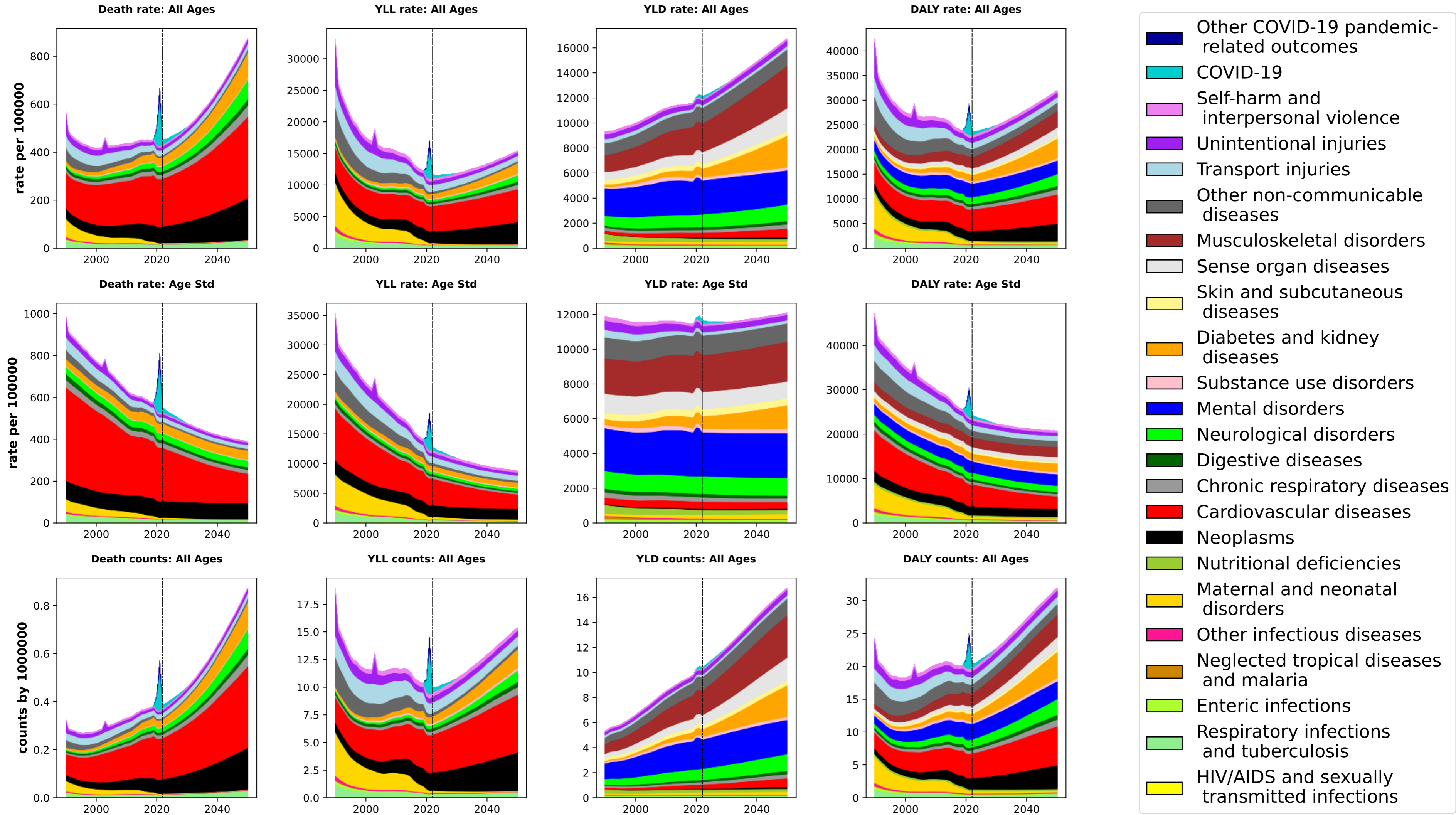


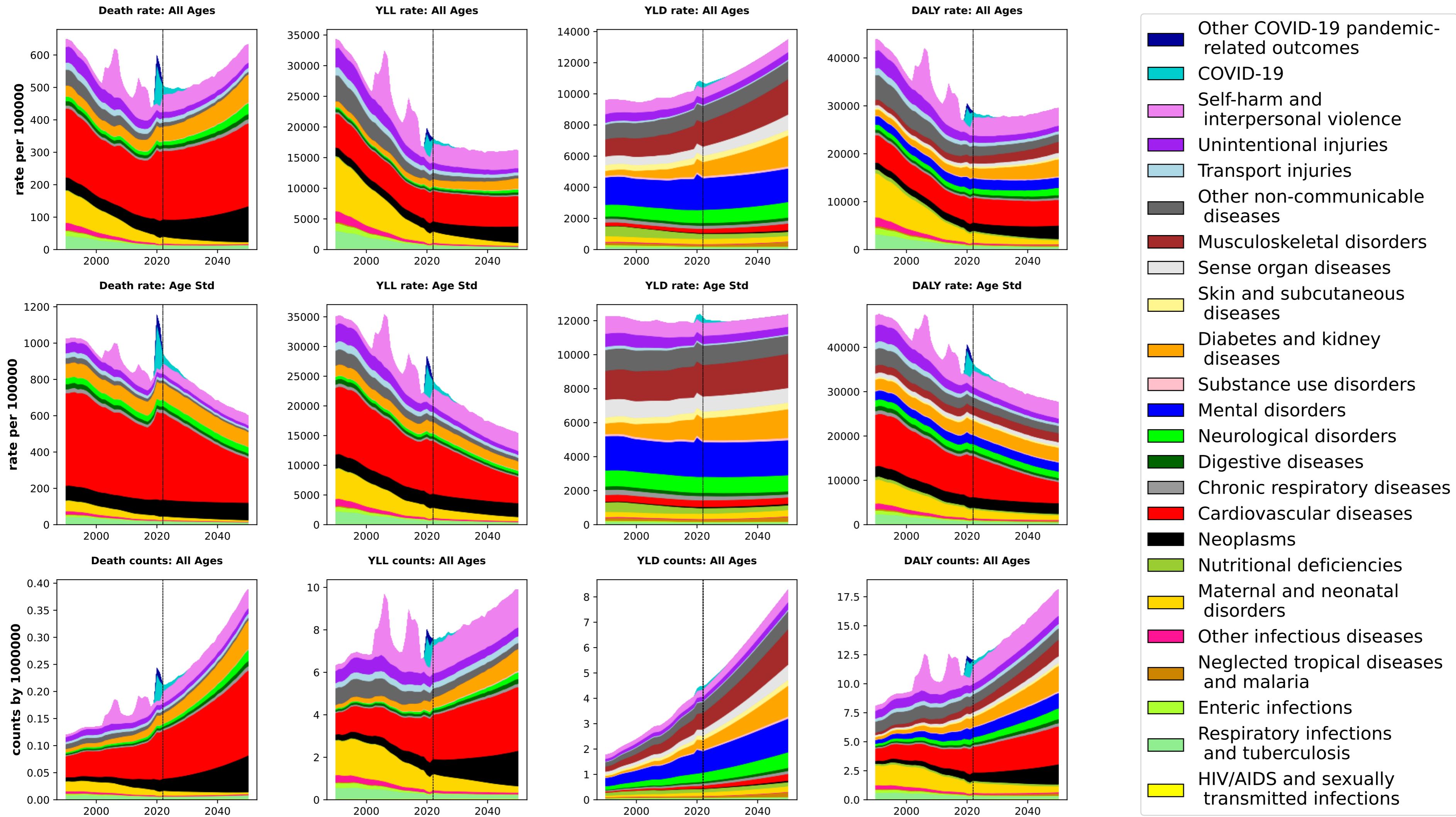
# Bahrain



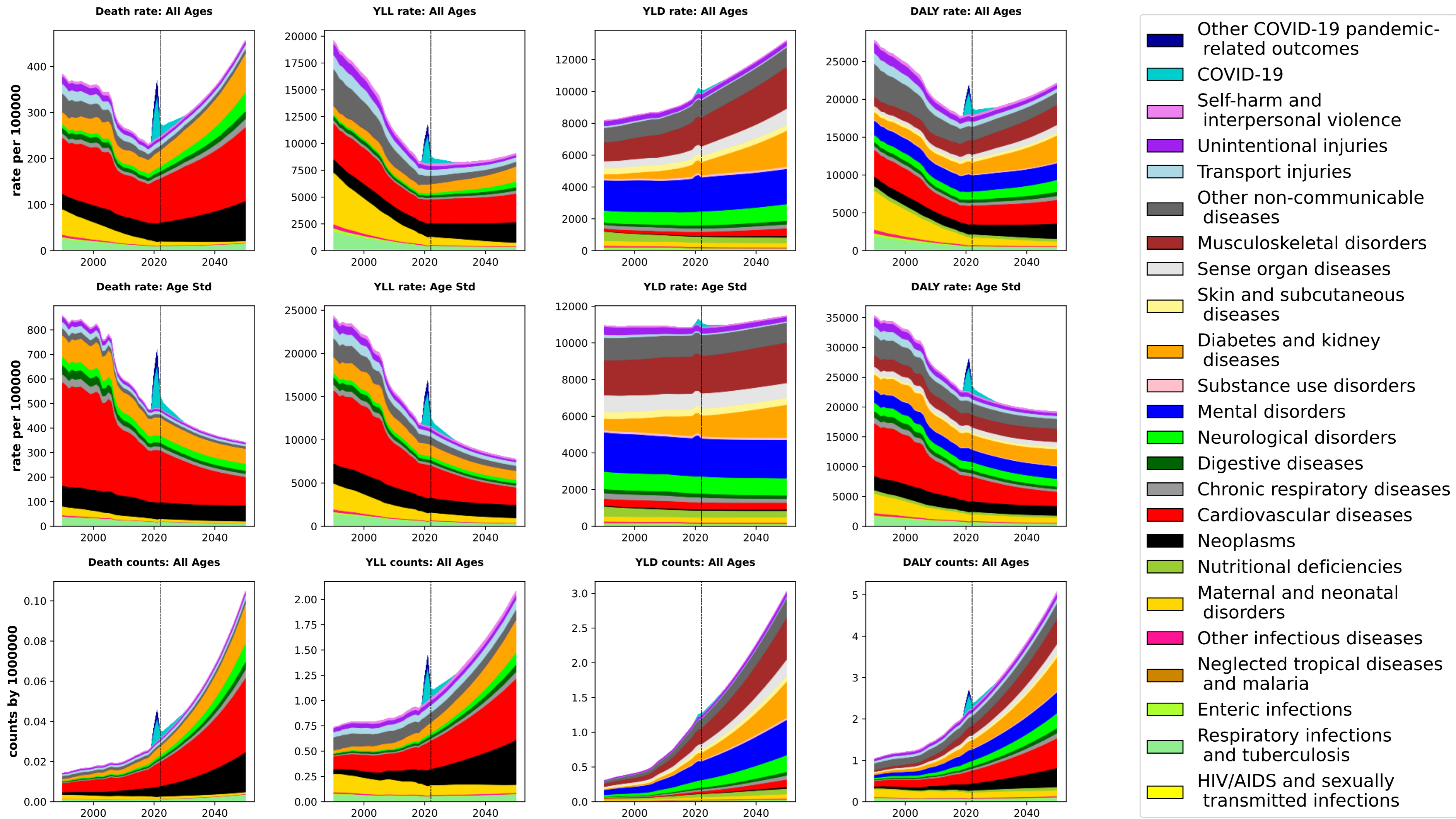
# Egypt





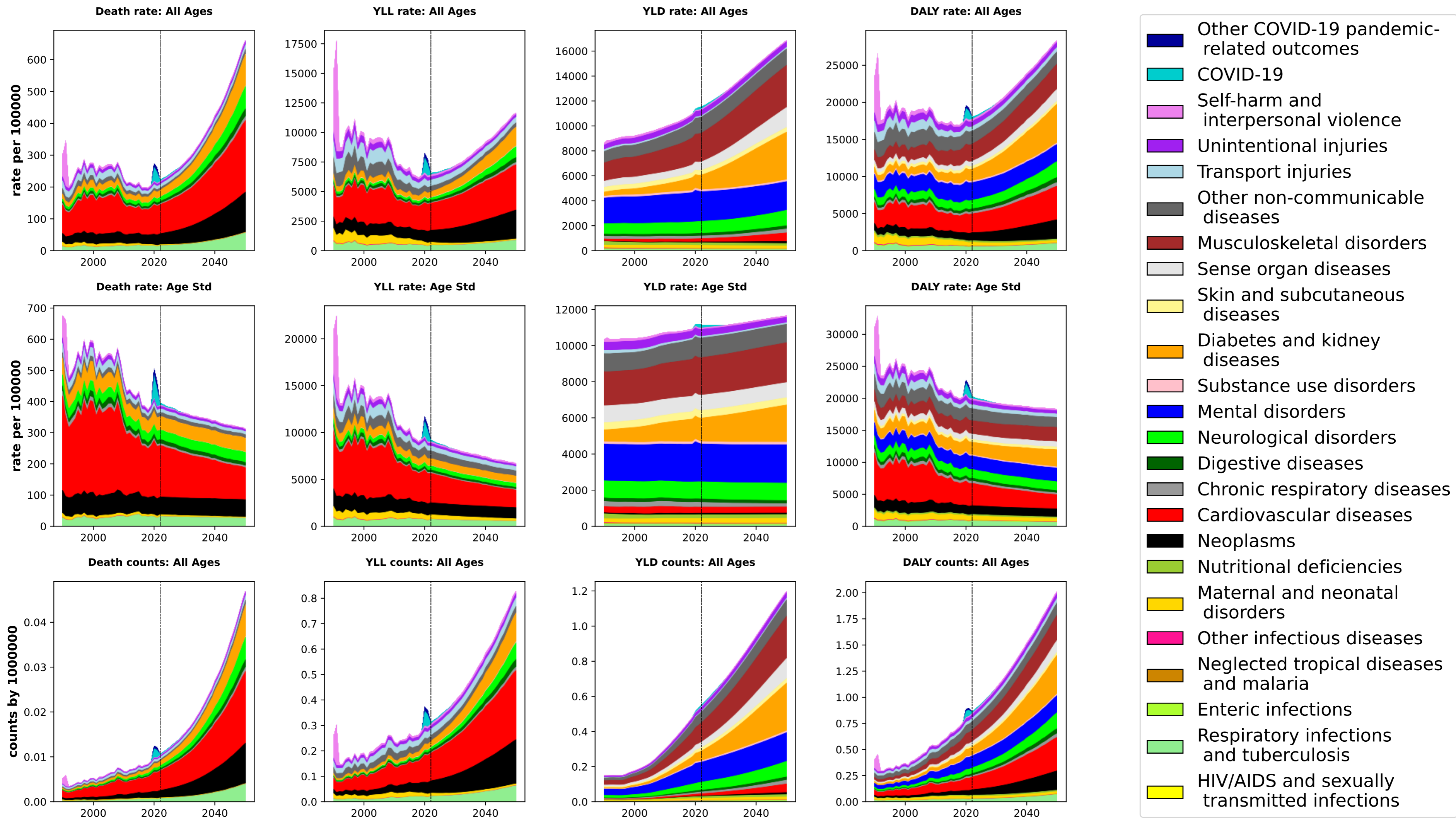


# Jordan

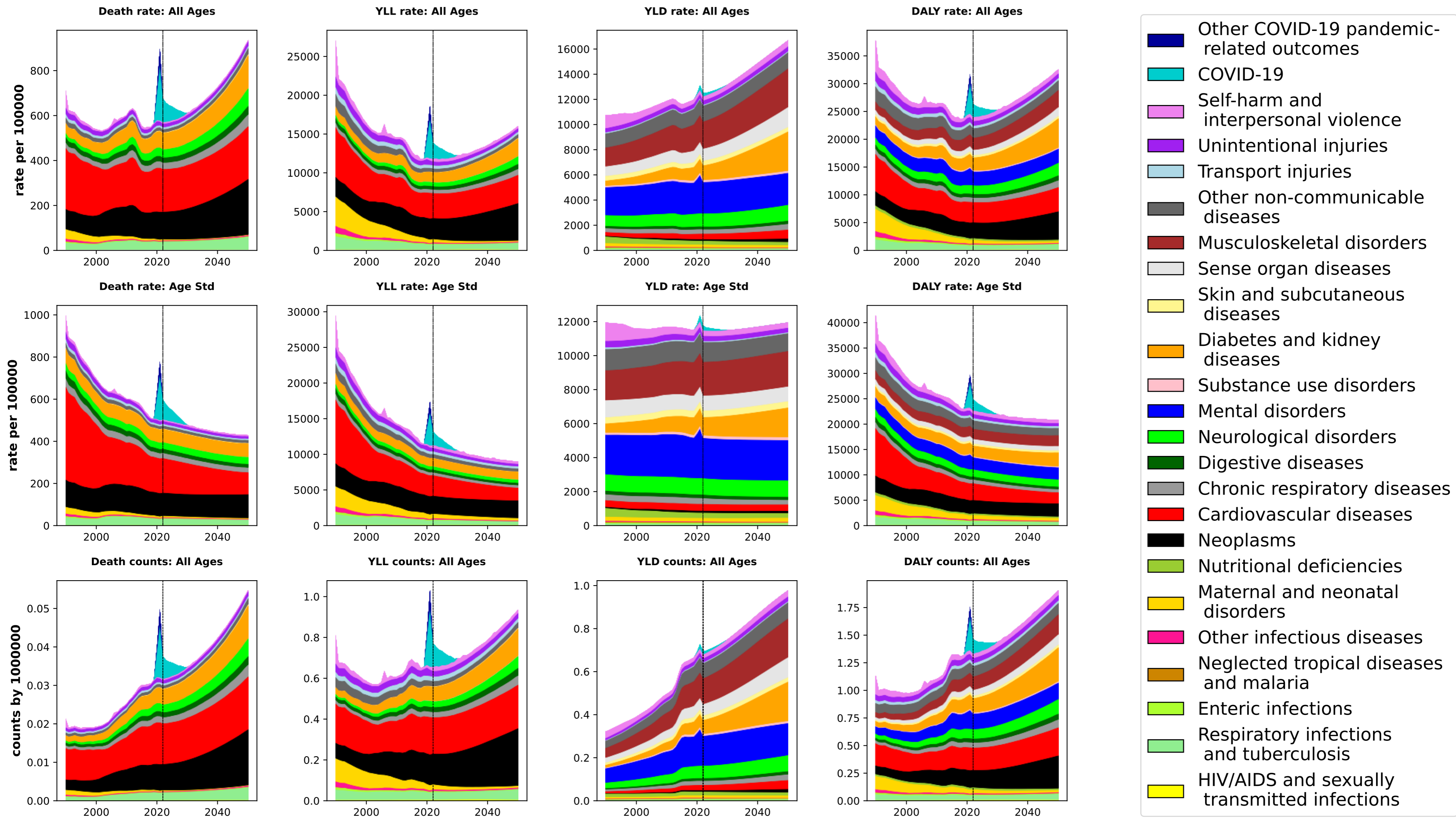




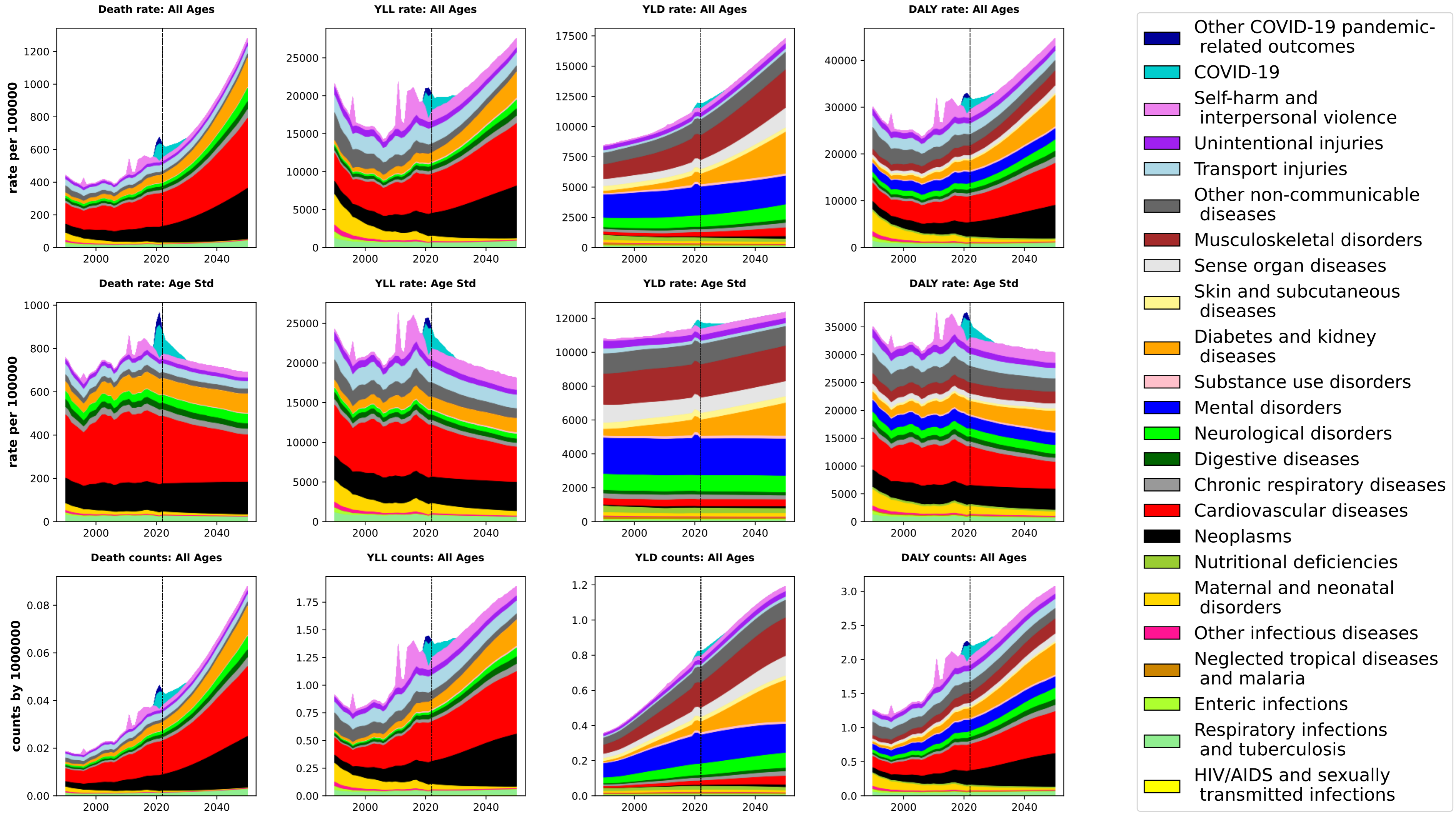
# Kuwait



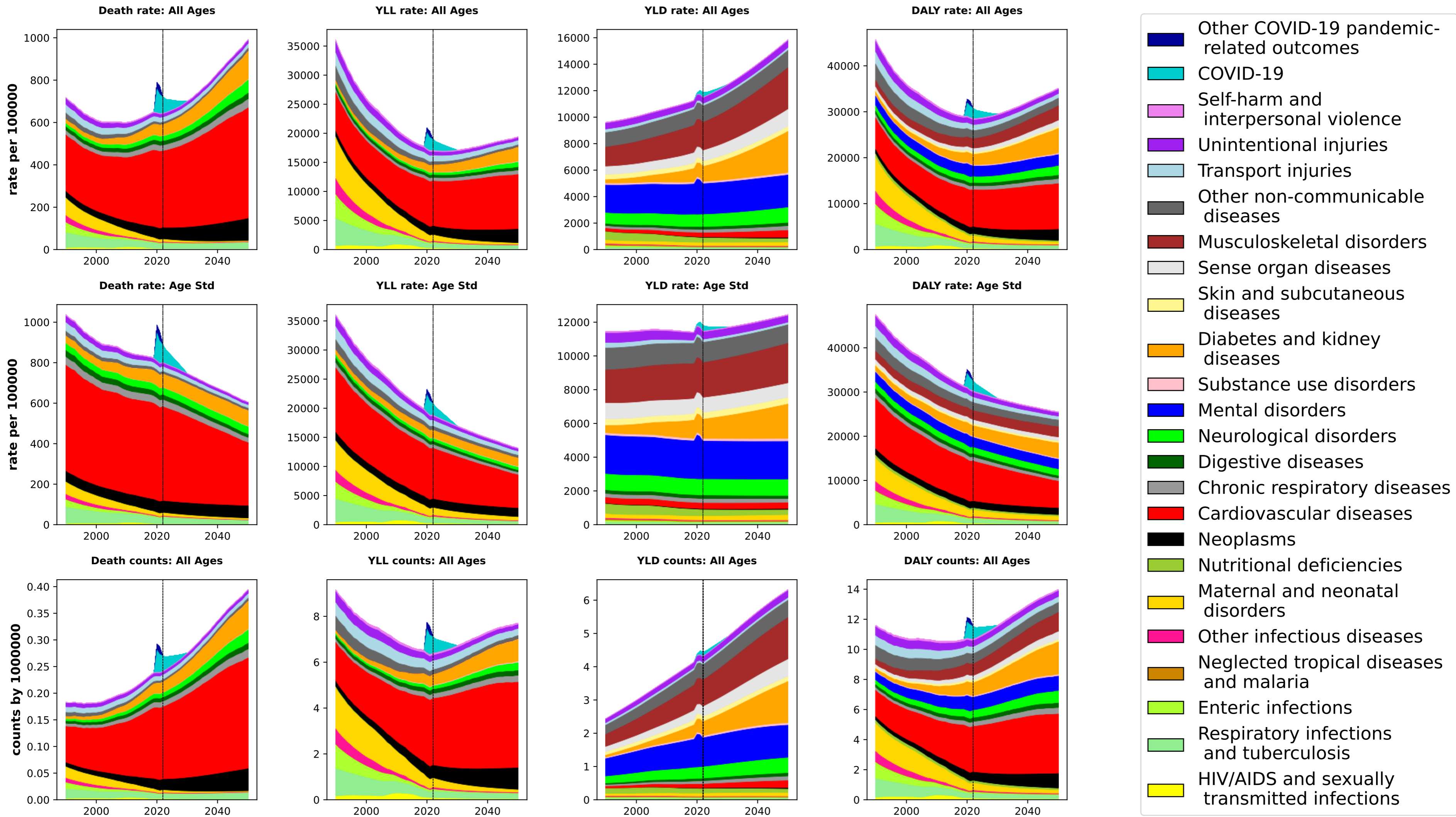
# Lebanon



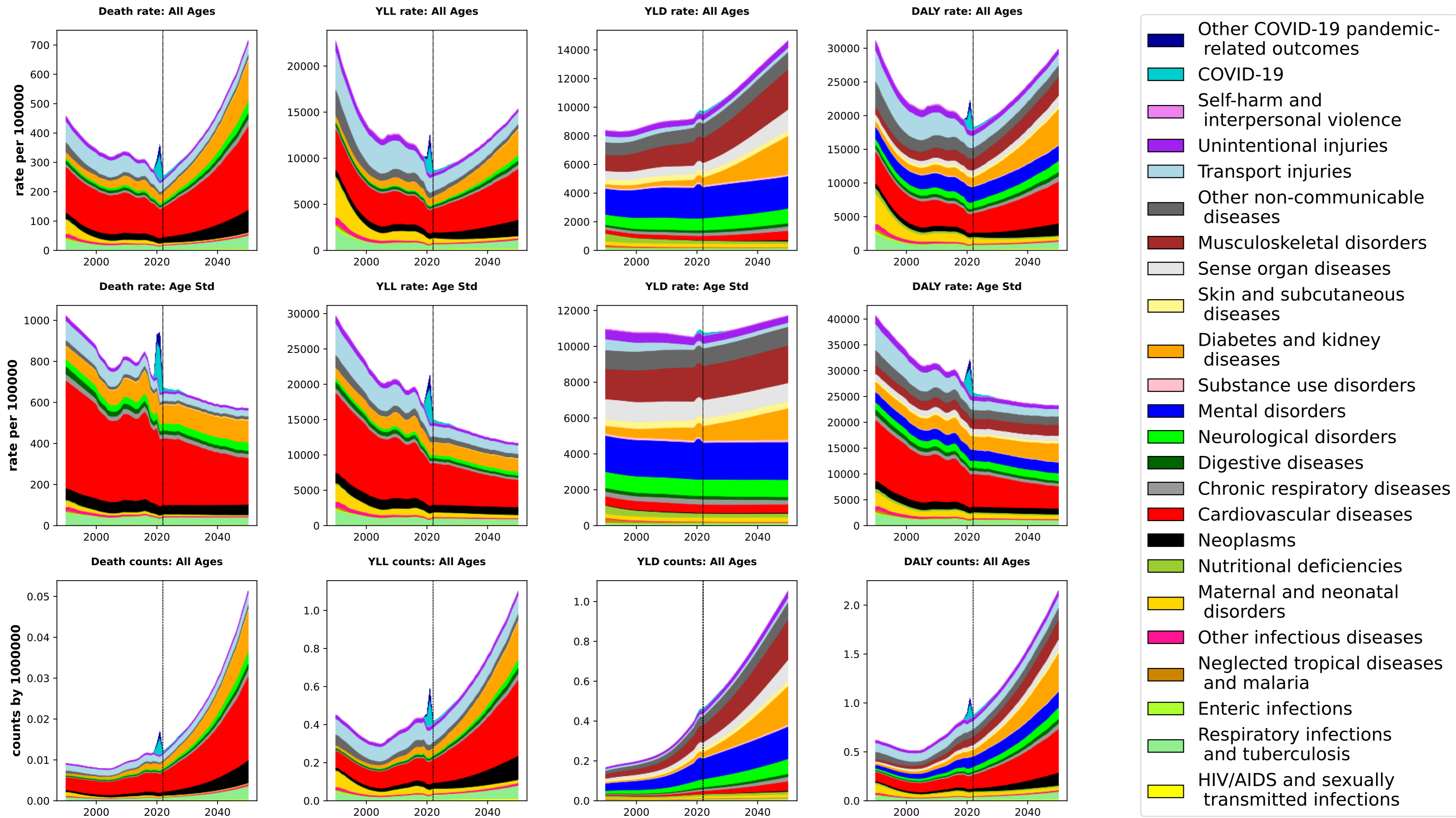
# Libya



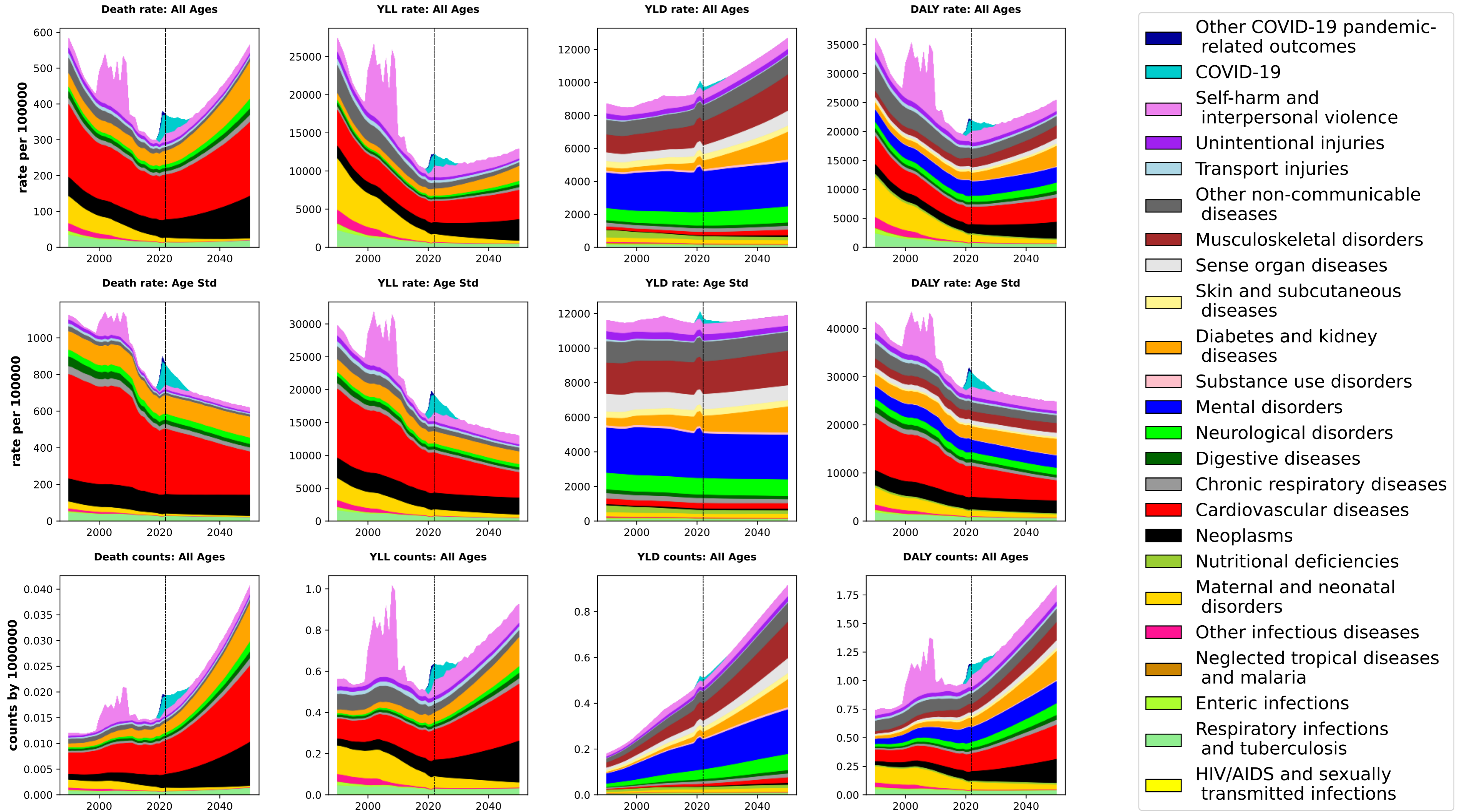
# Morocco

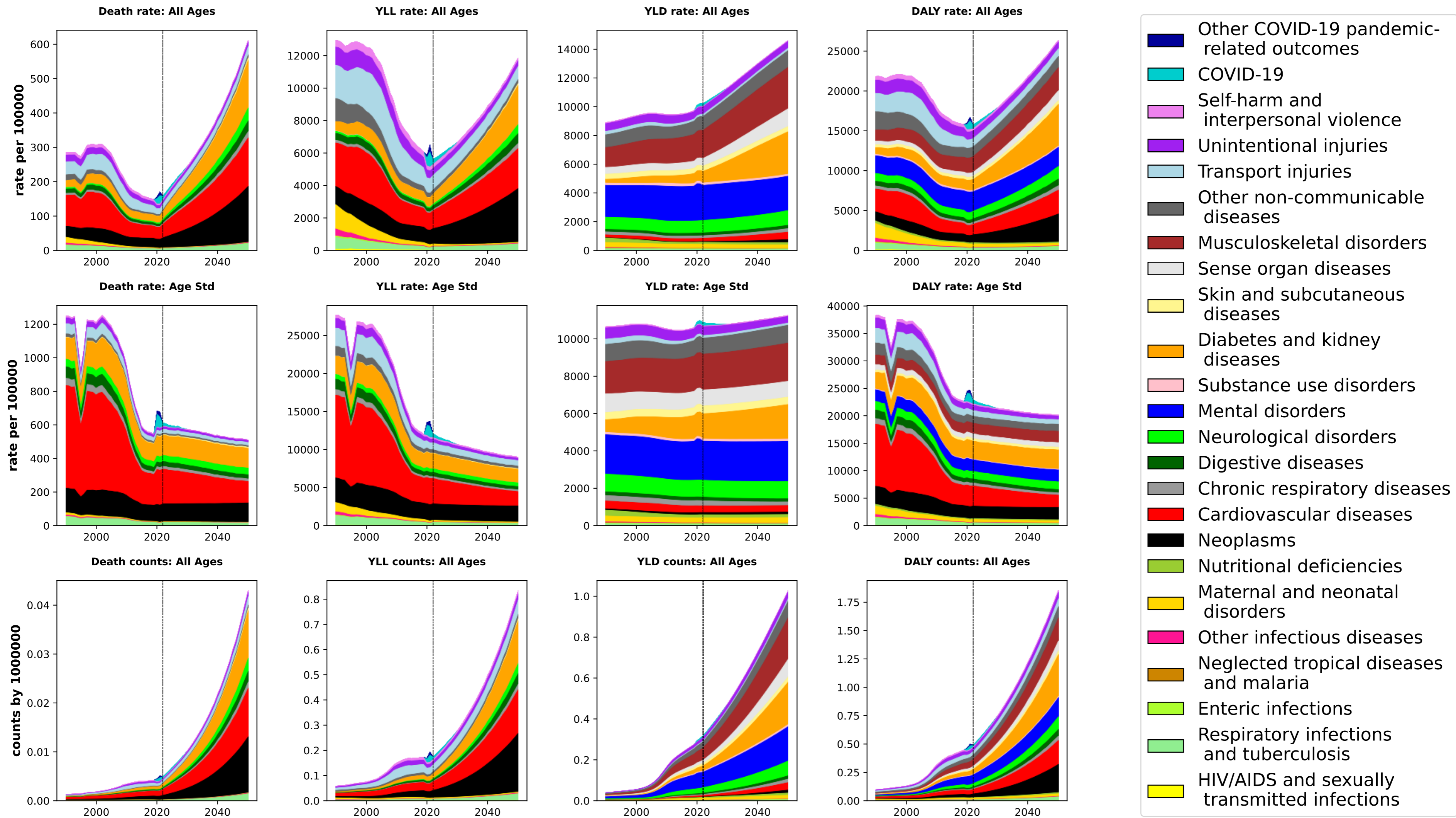


# Oman

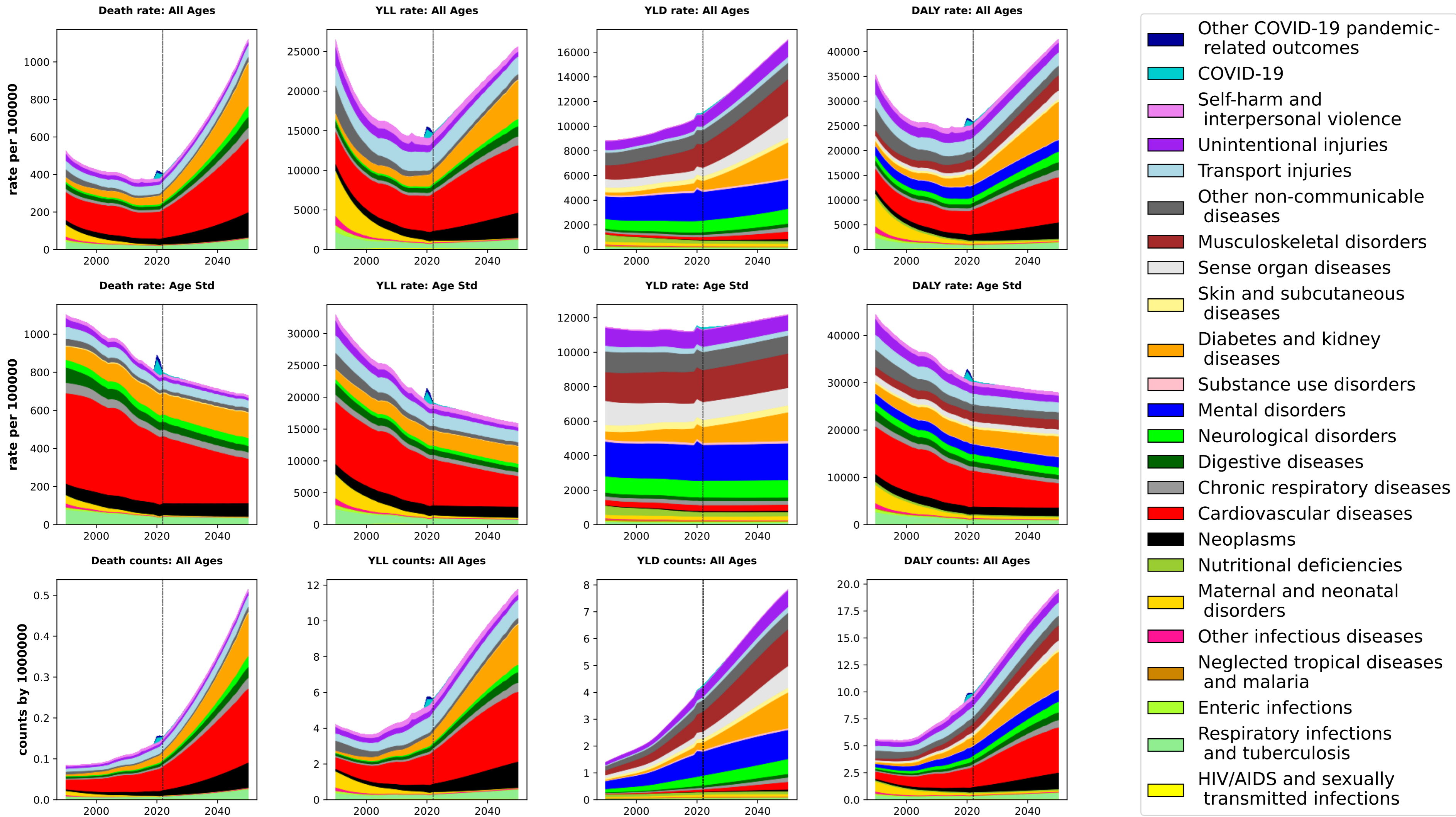


# Palestine



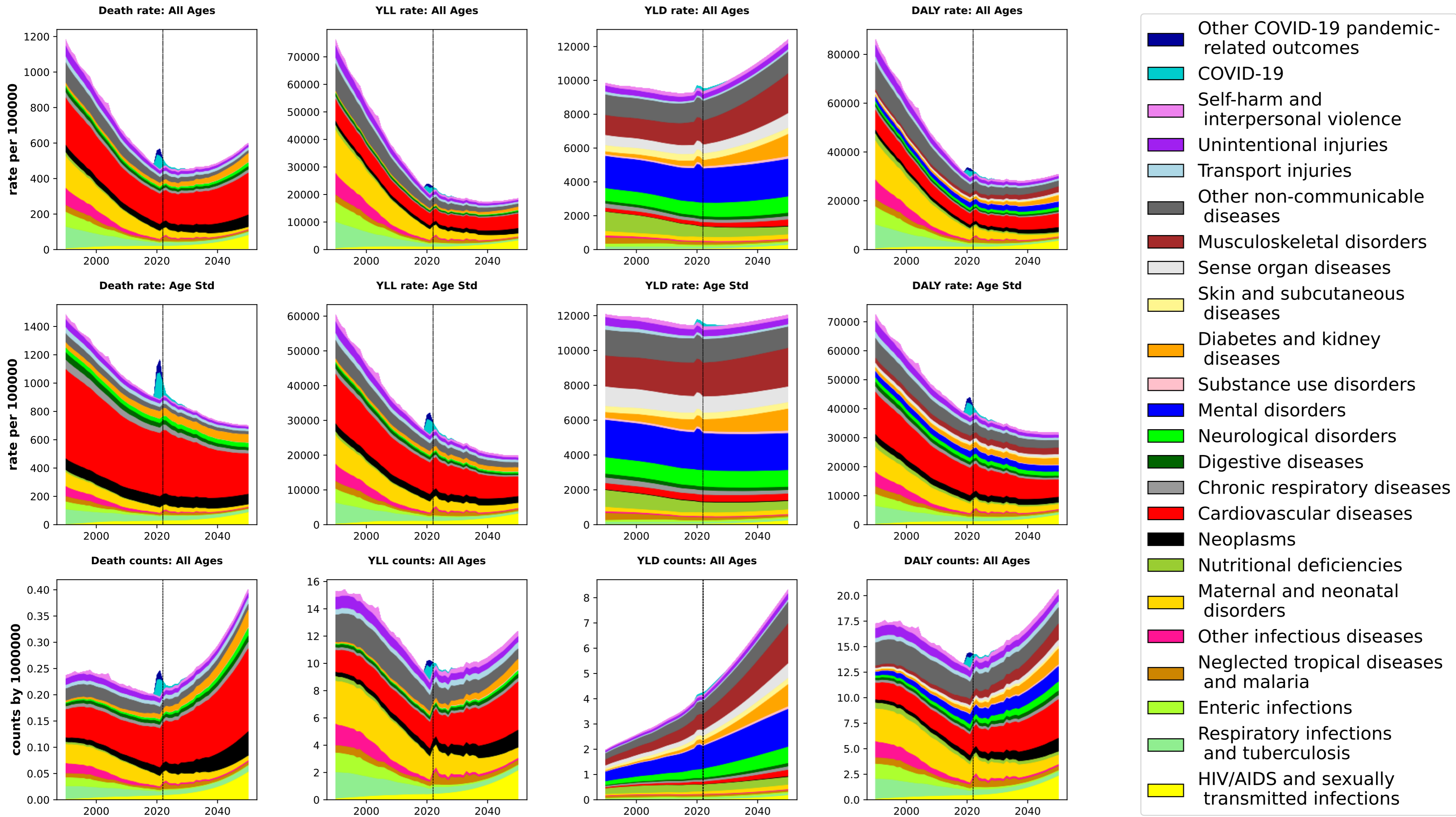


# Saudi Arabia

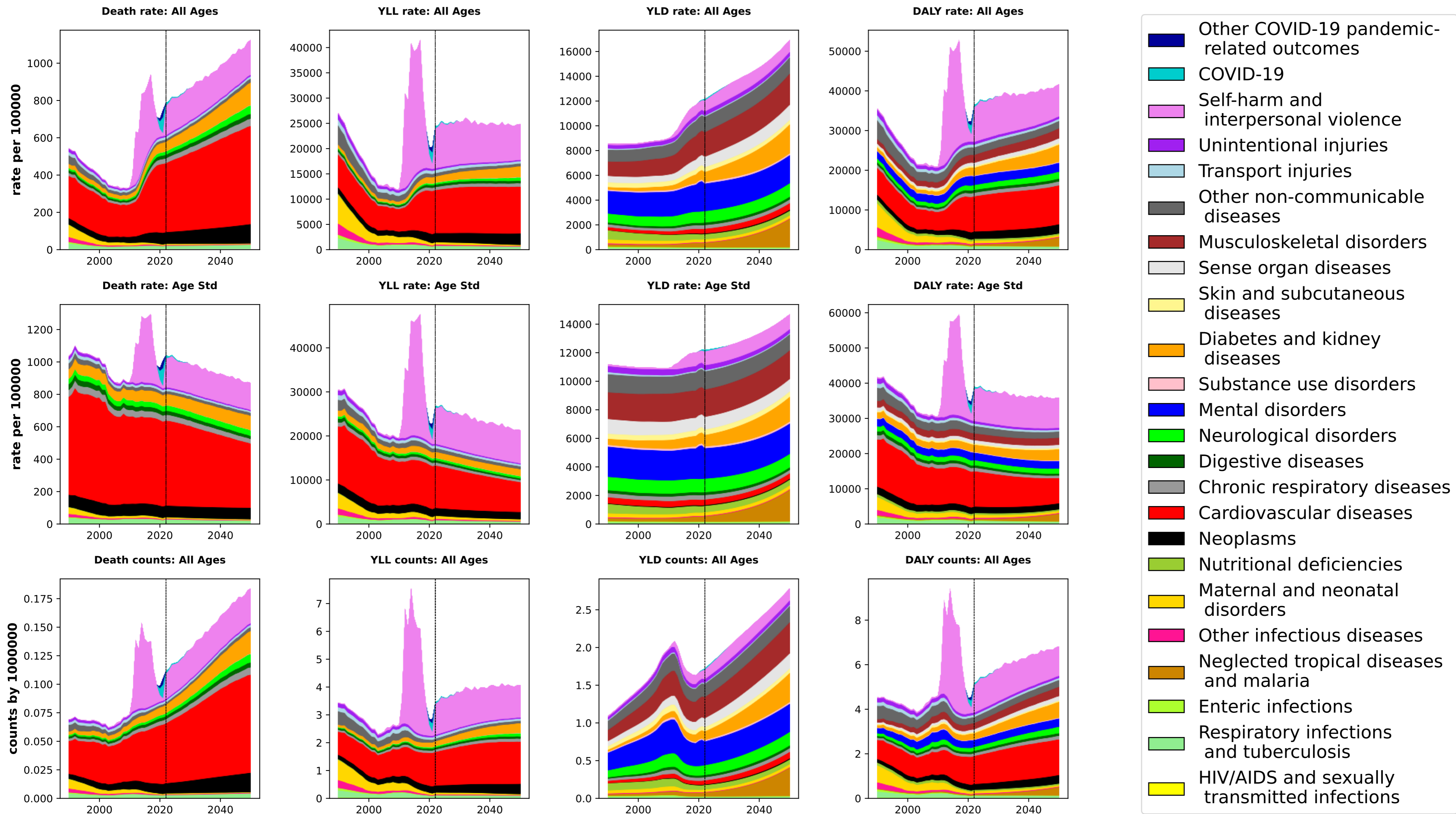




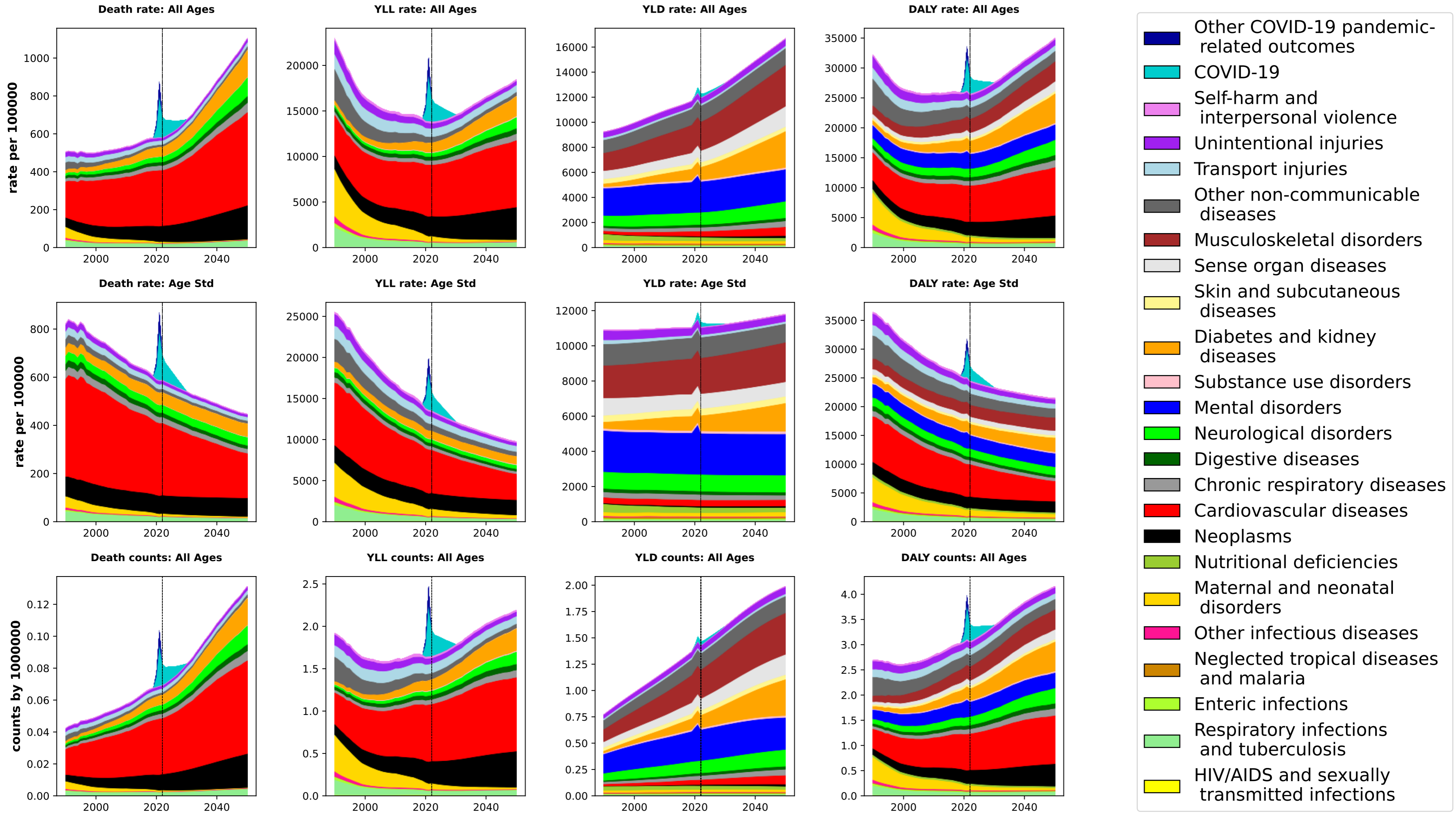
# Sudan

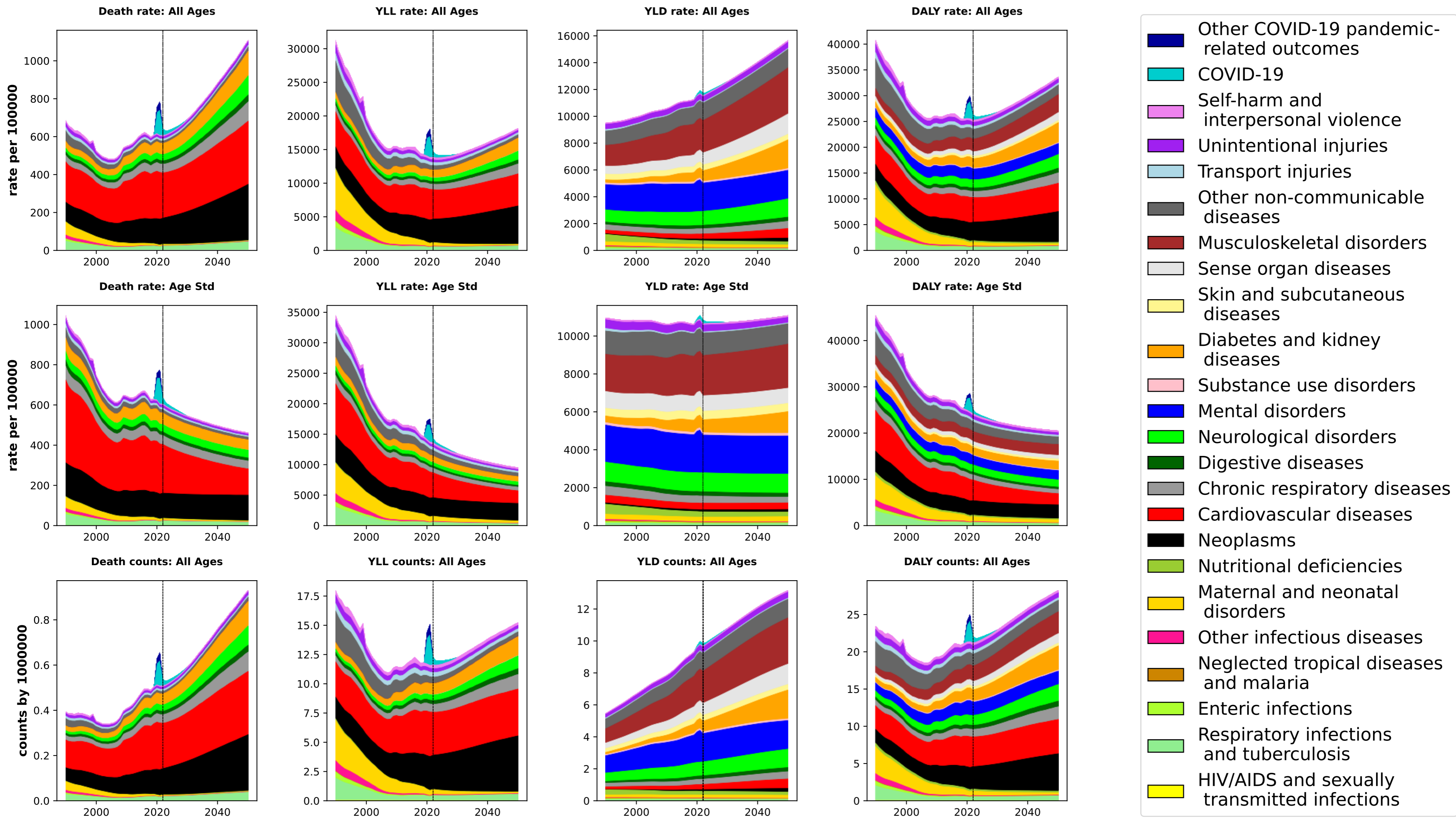


# Syria

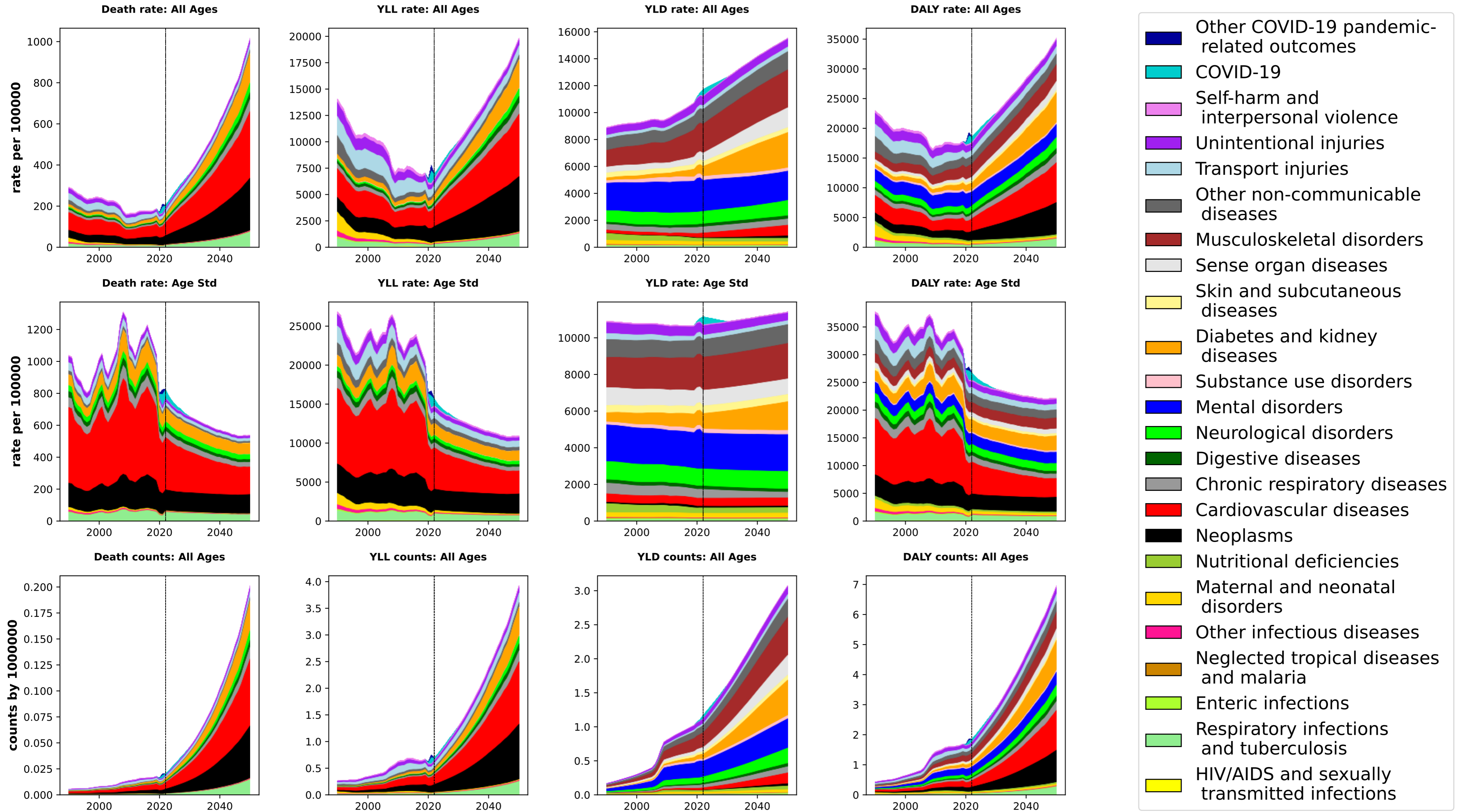


# Tunisia

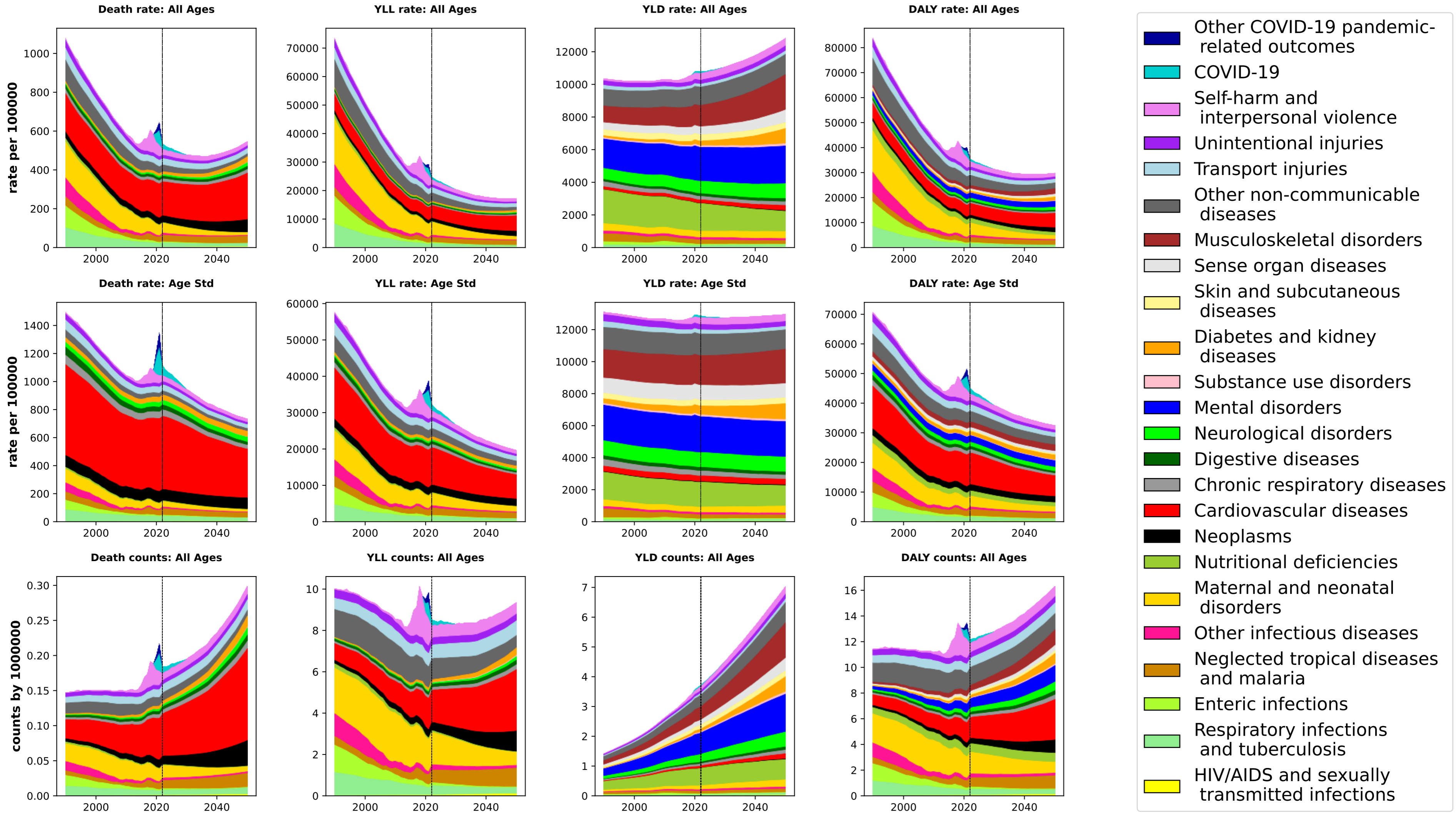




# United Arab Emirates

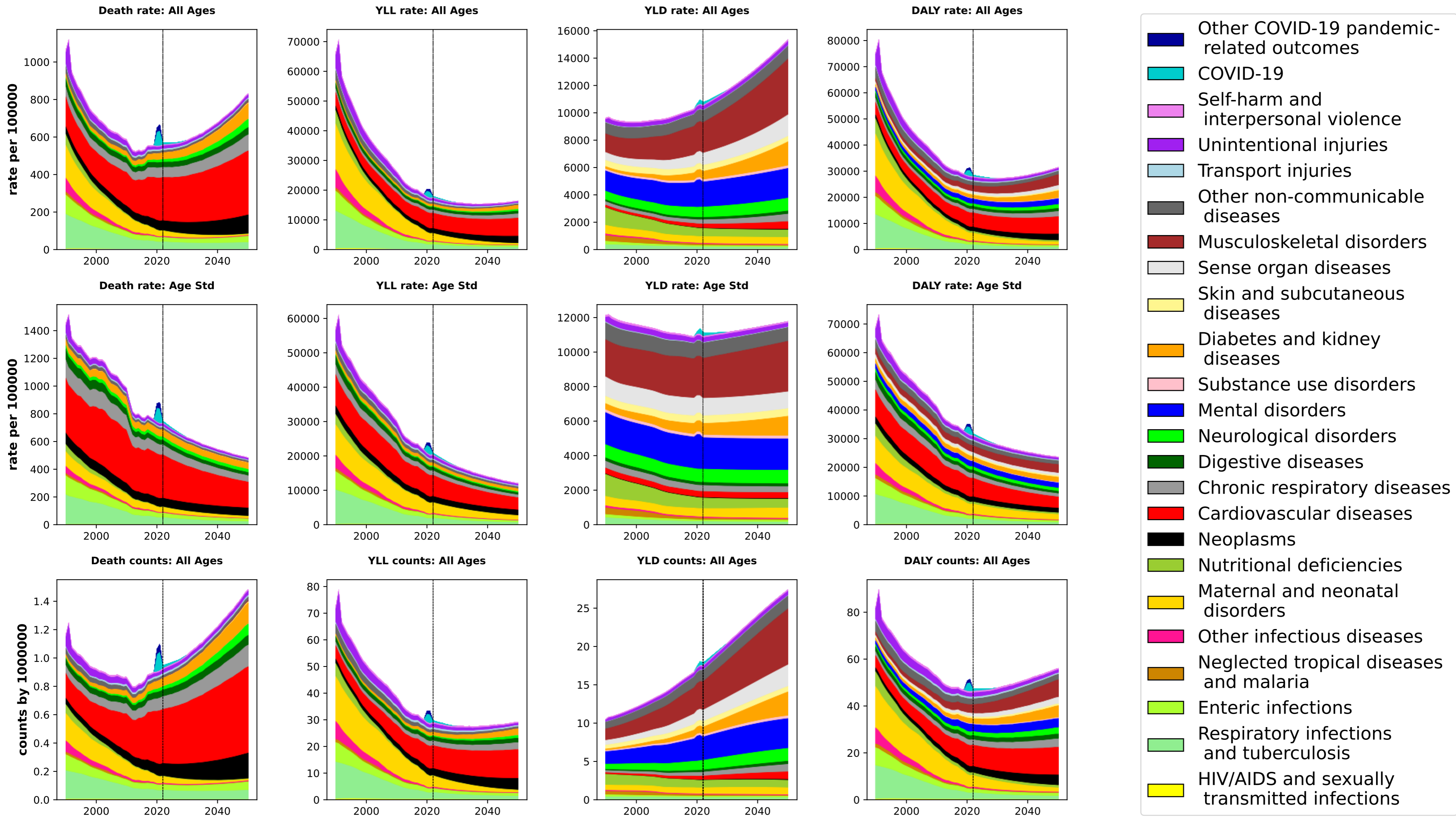


# Yemen

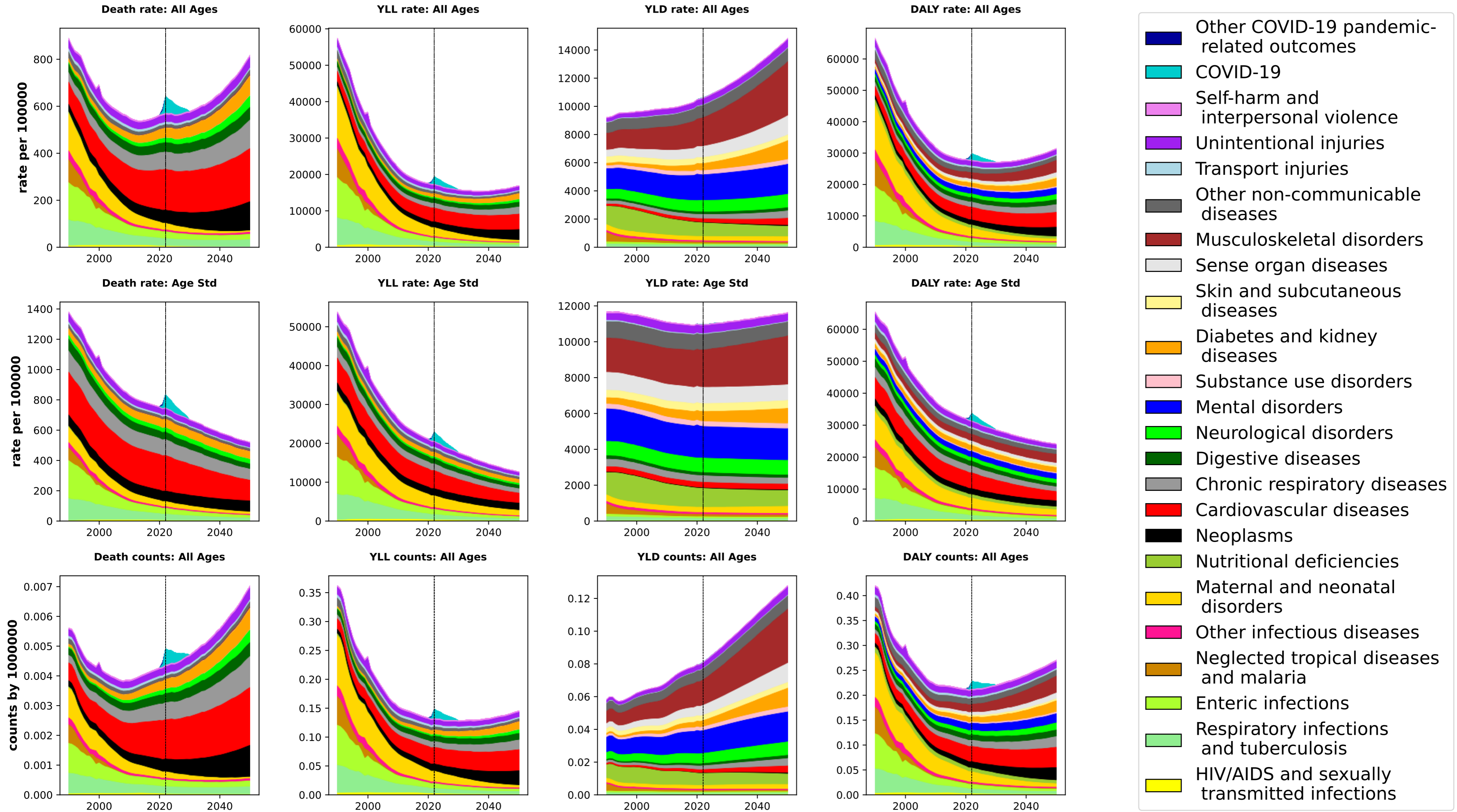


# Bangladesh

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

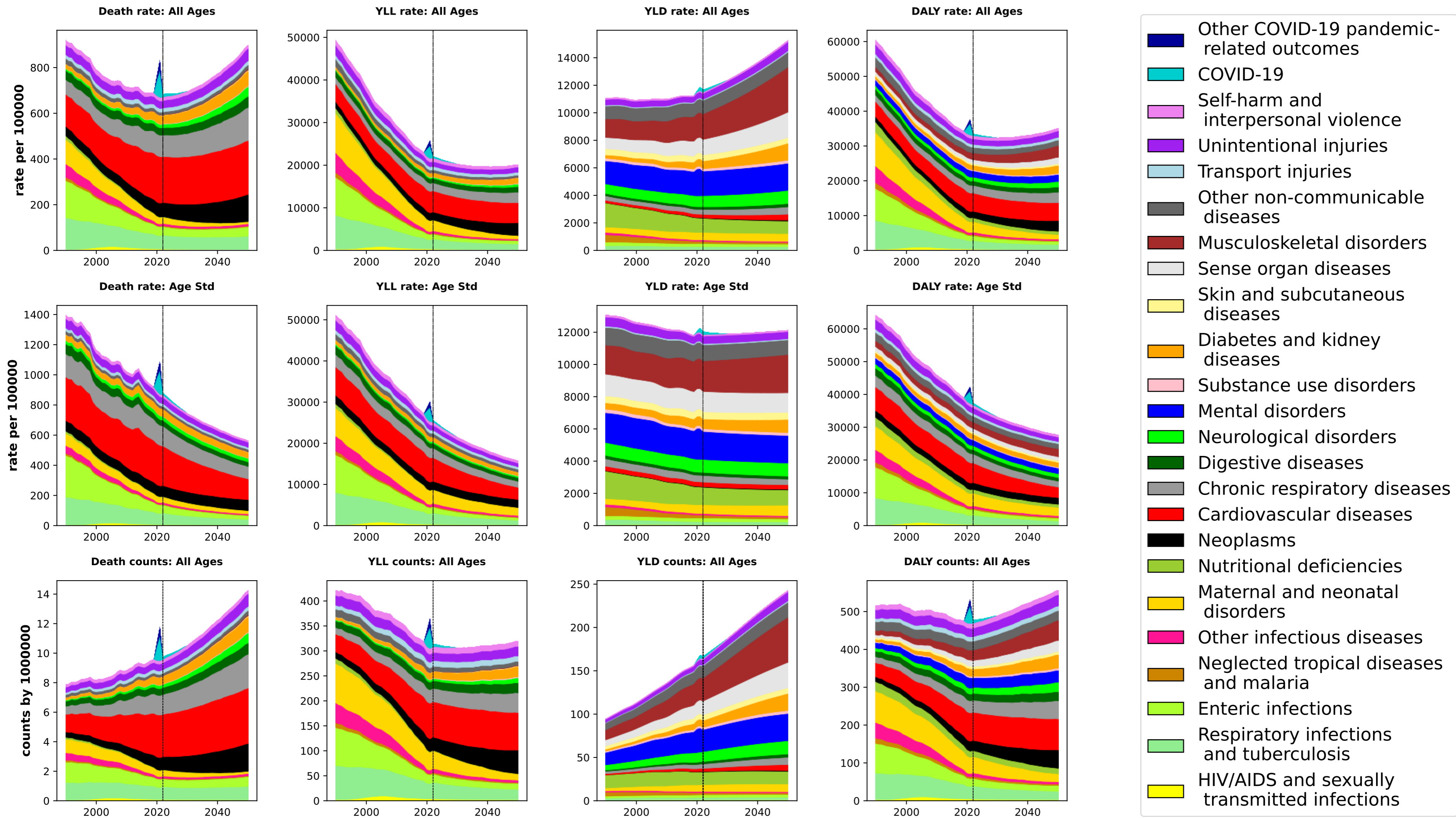


# Bhutan

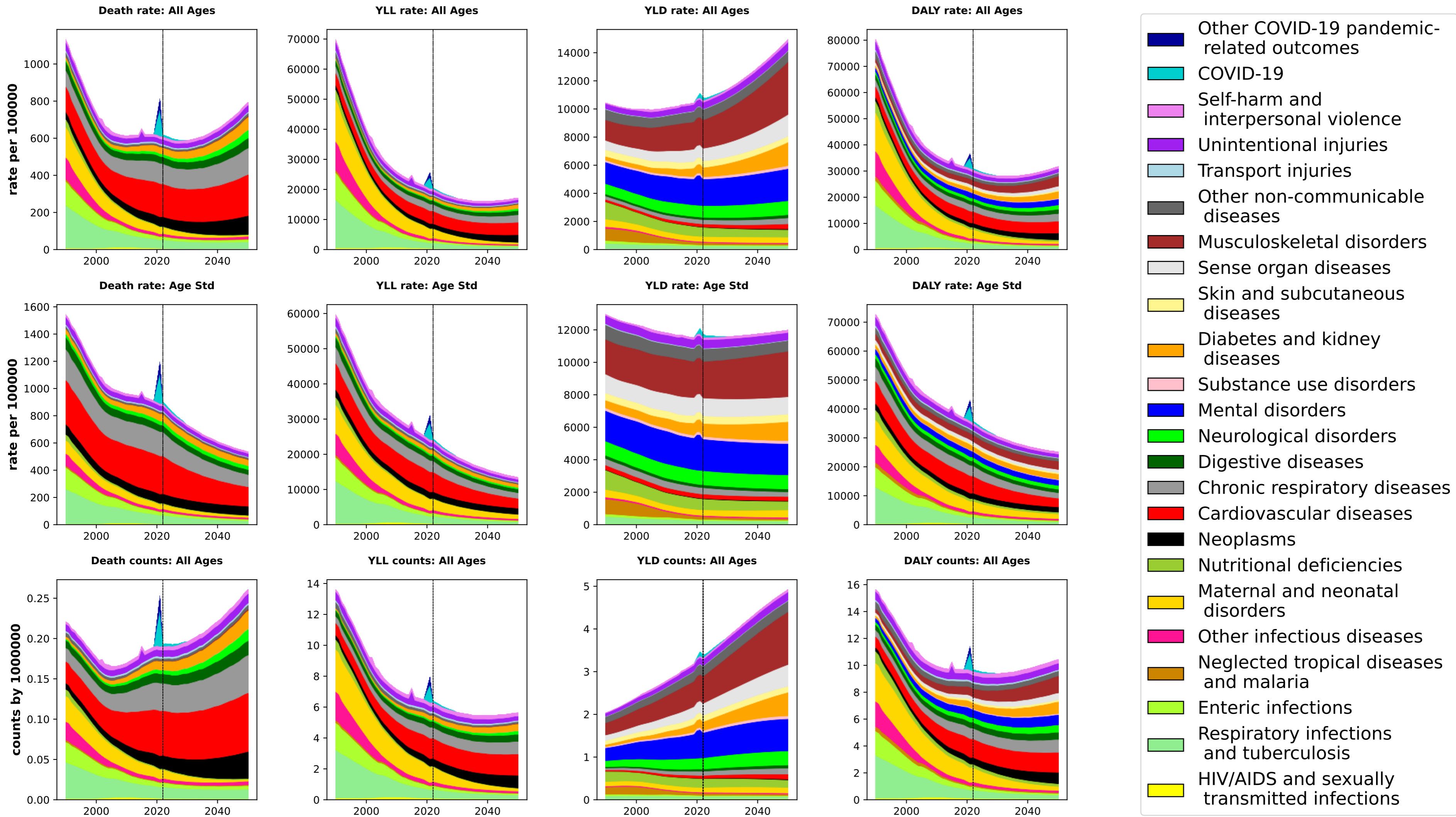




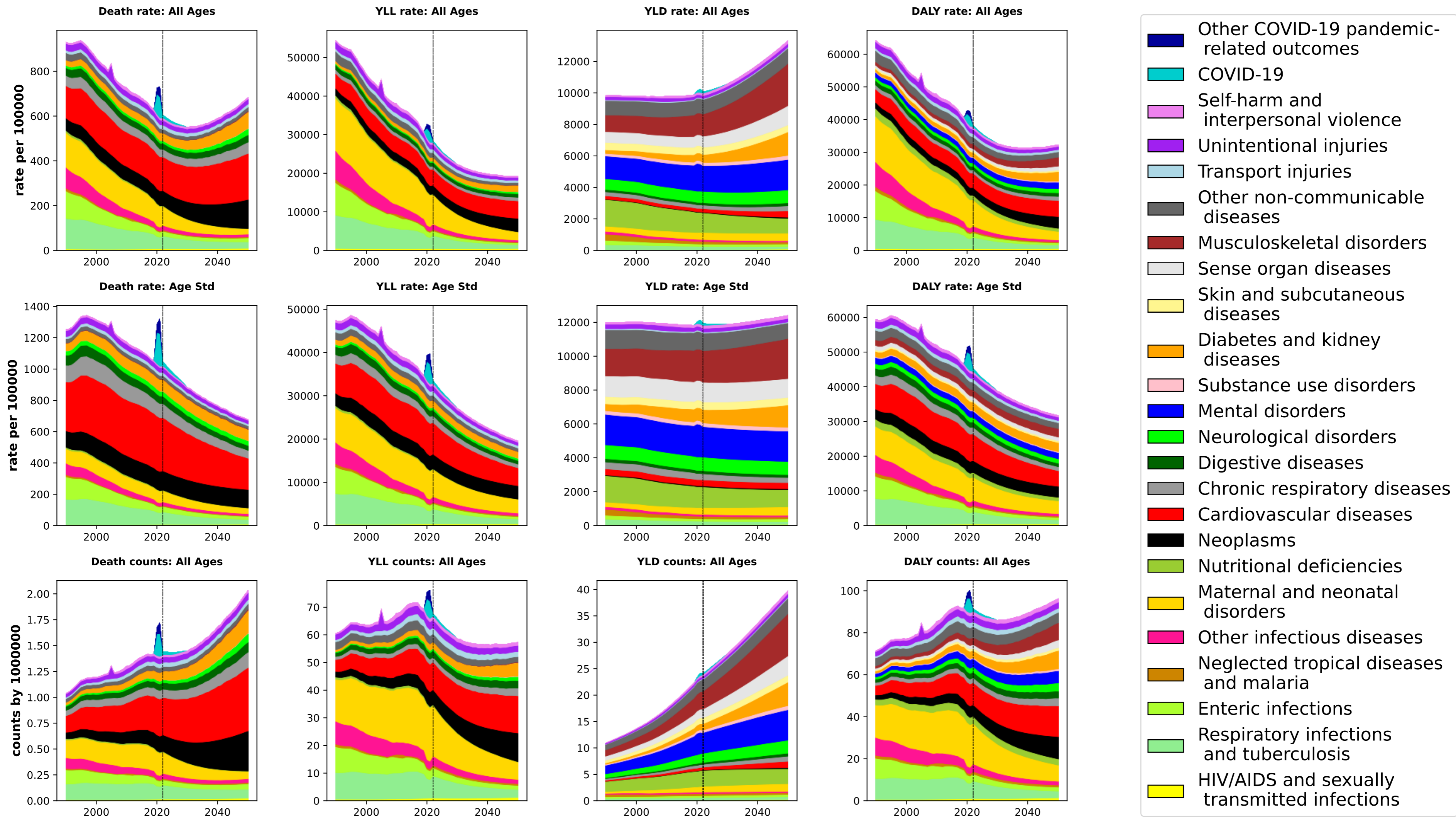
# India



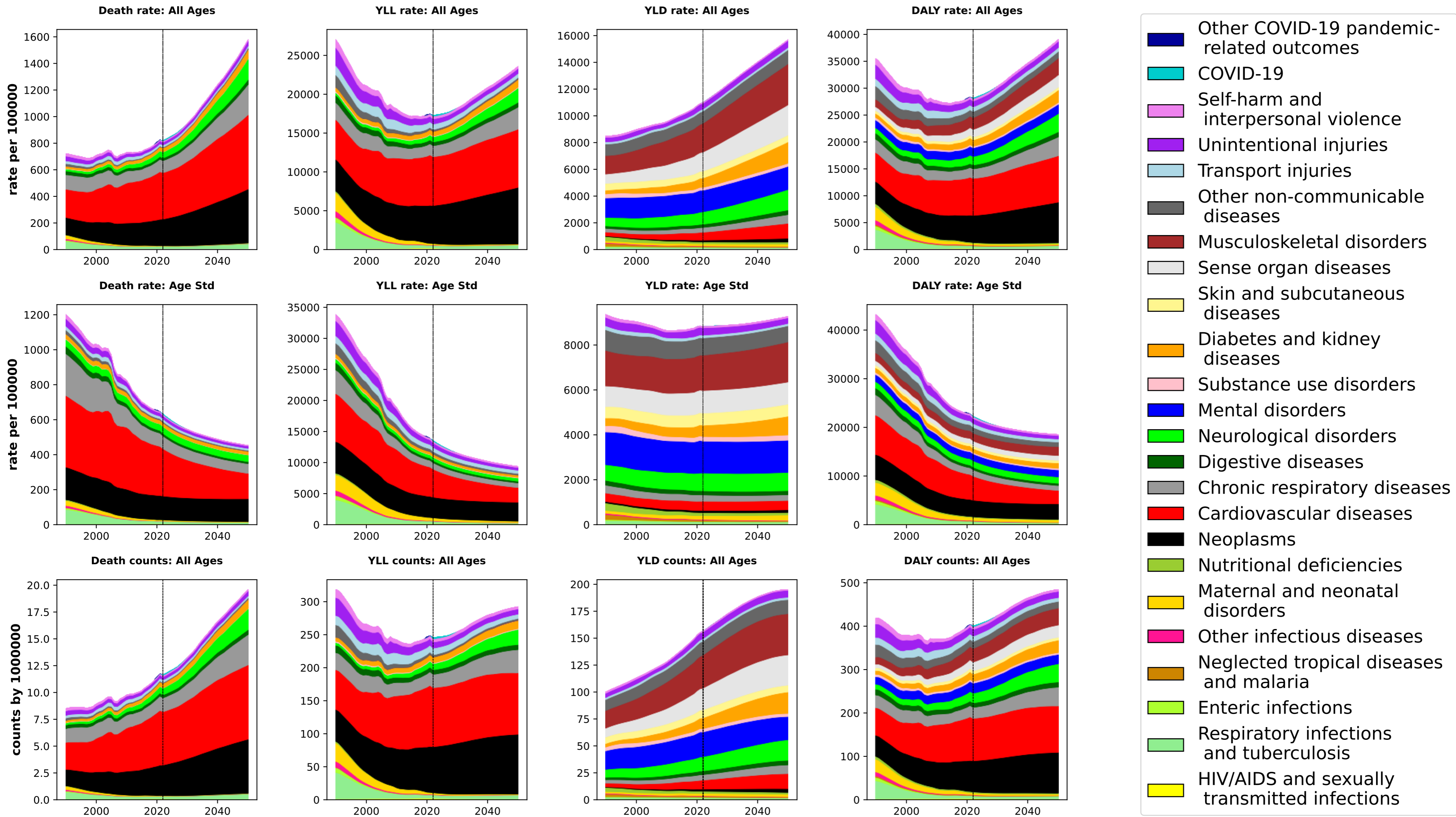
# Nepal



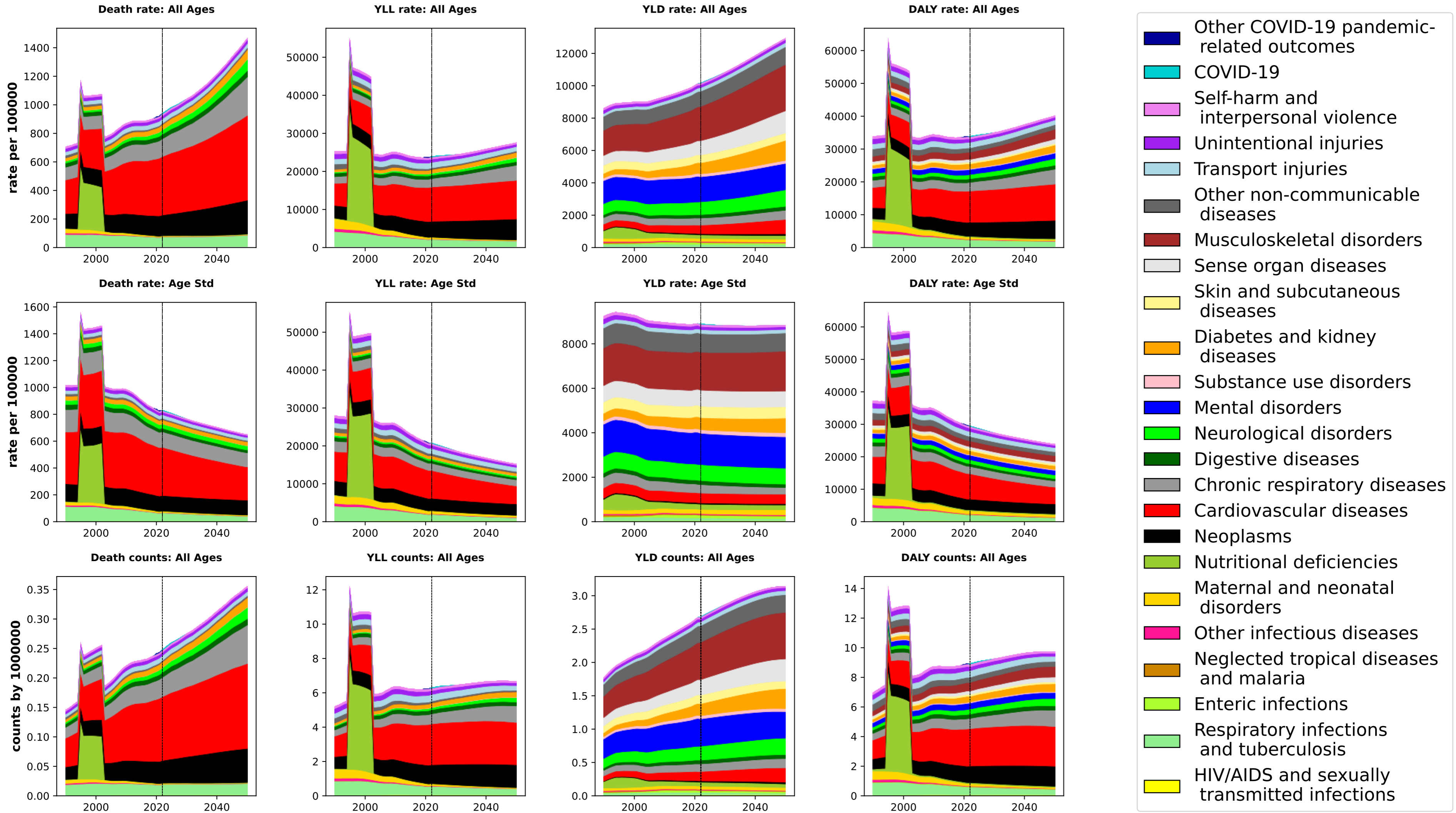
# Pakistan



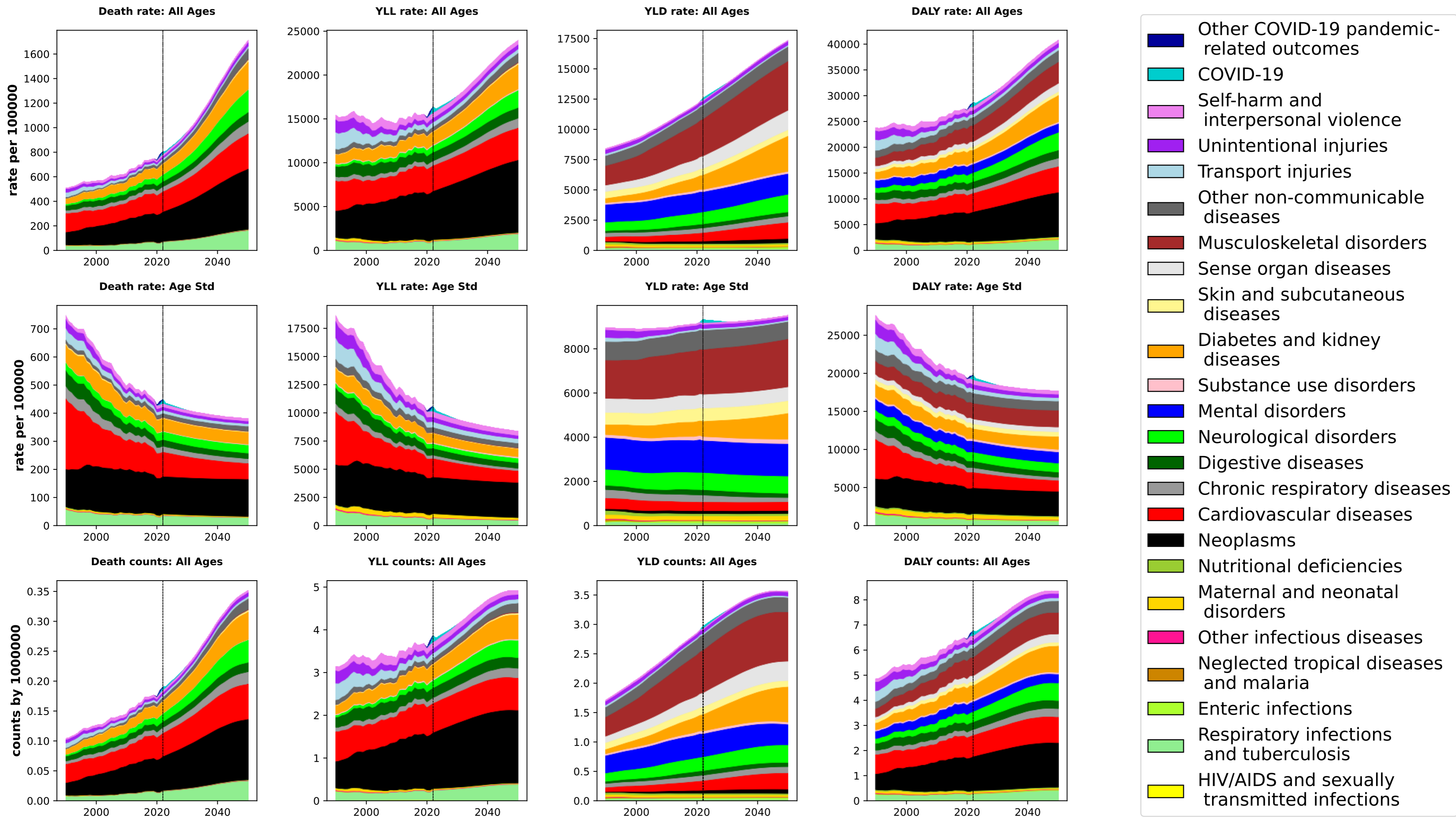
# China



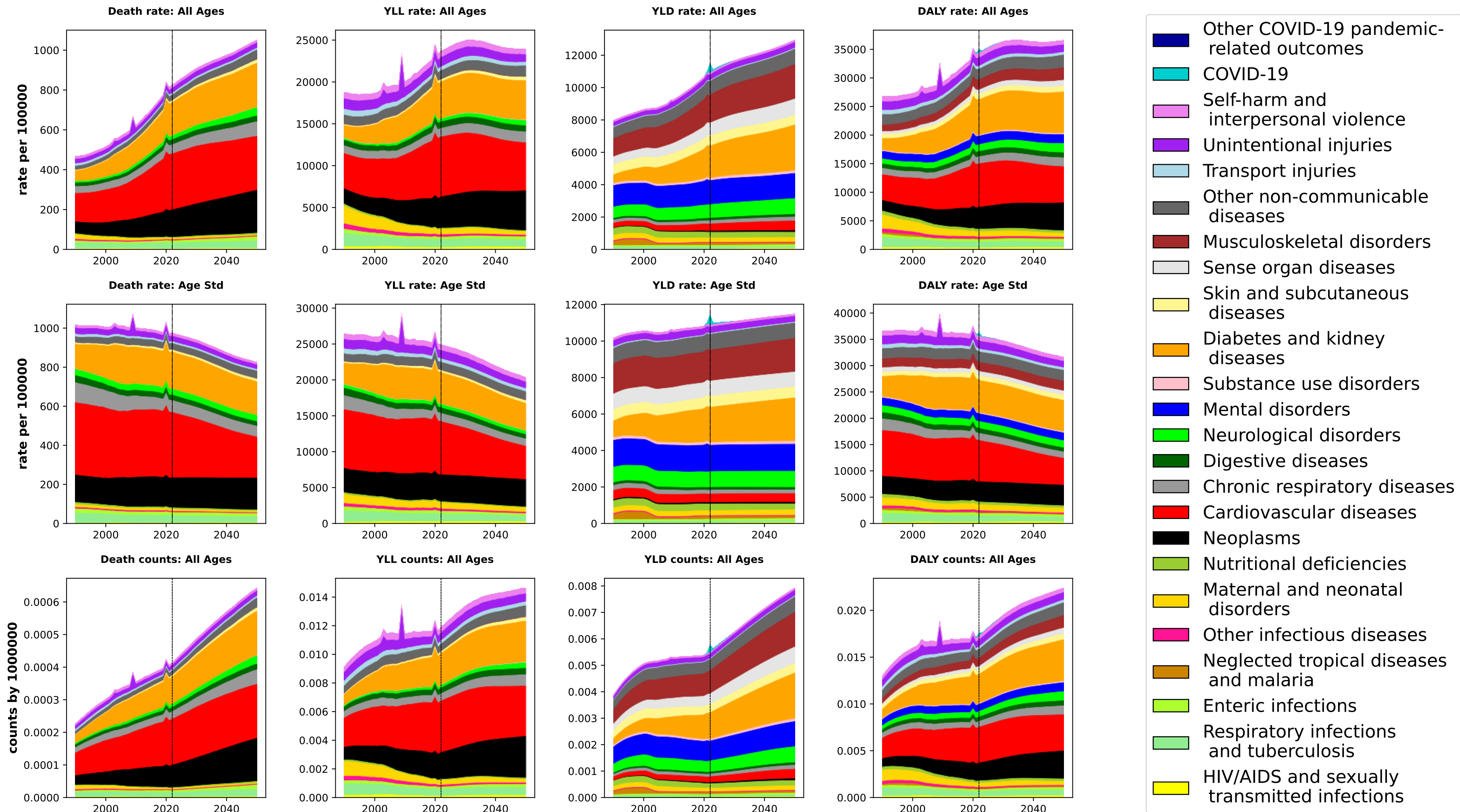
# North Korea



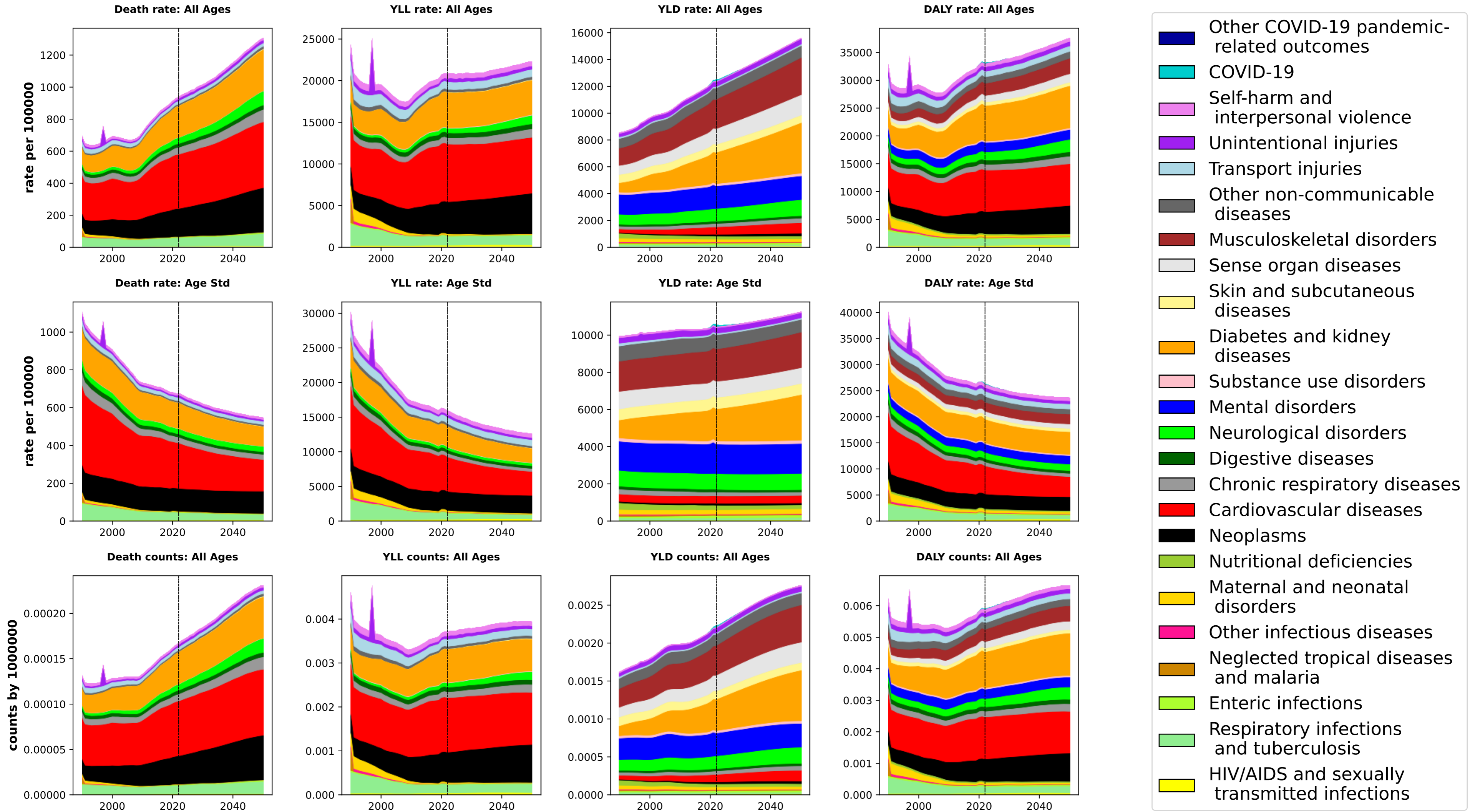
# Taiwan (Province of China)



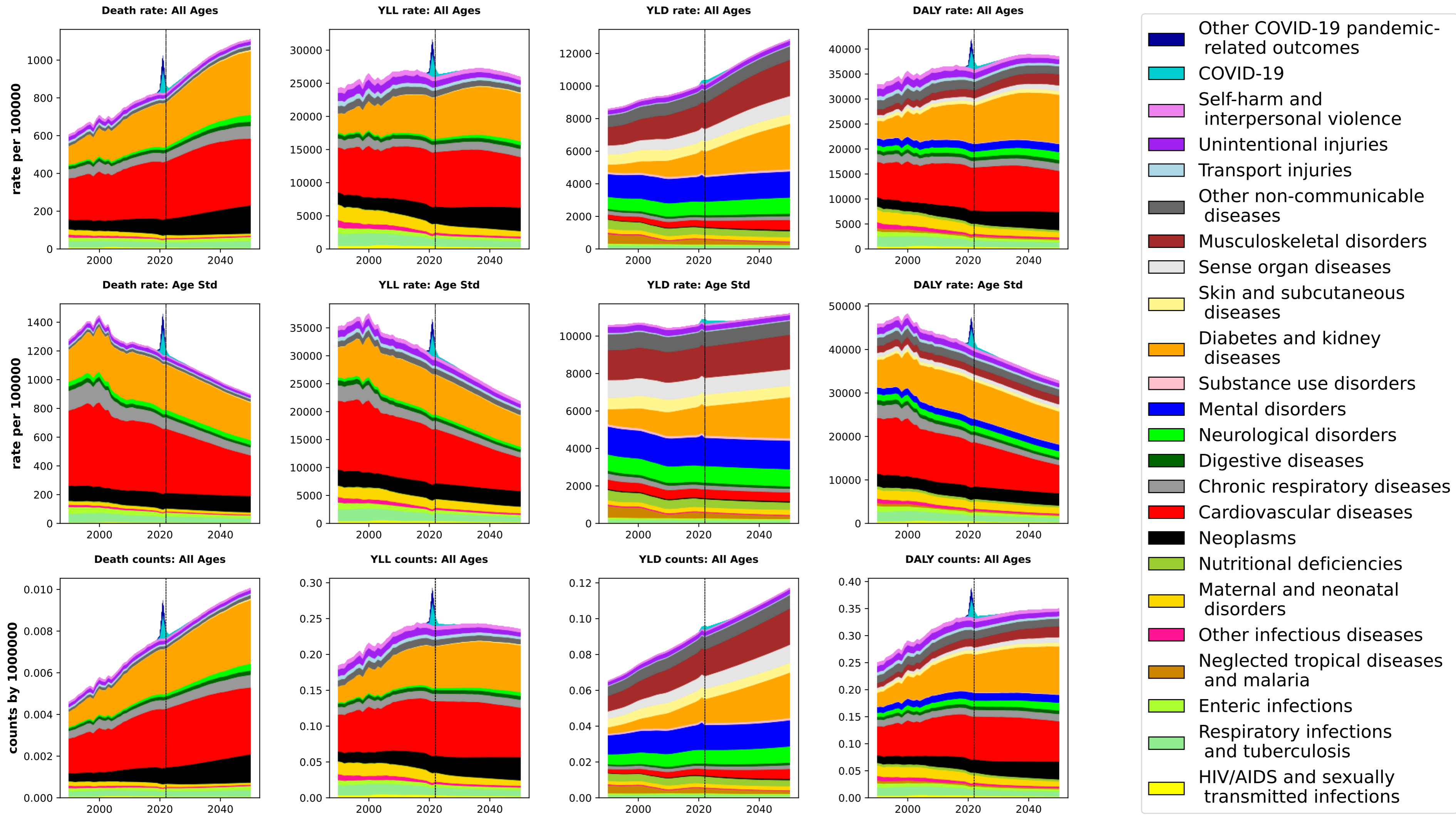
# American Samoa



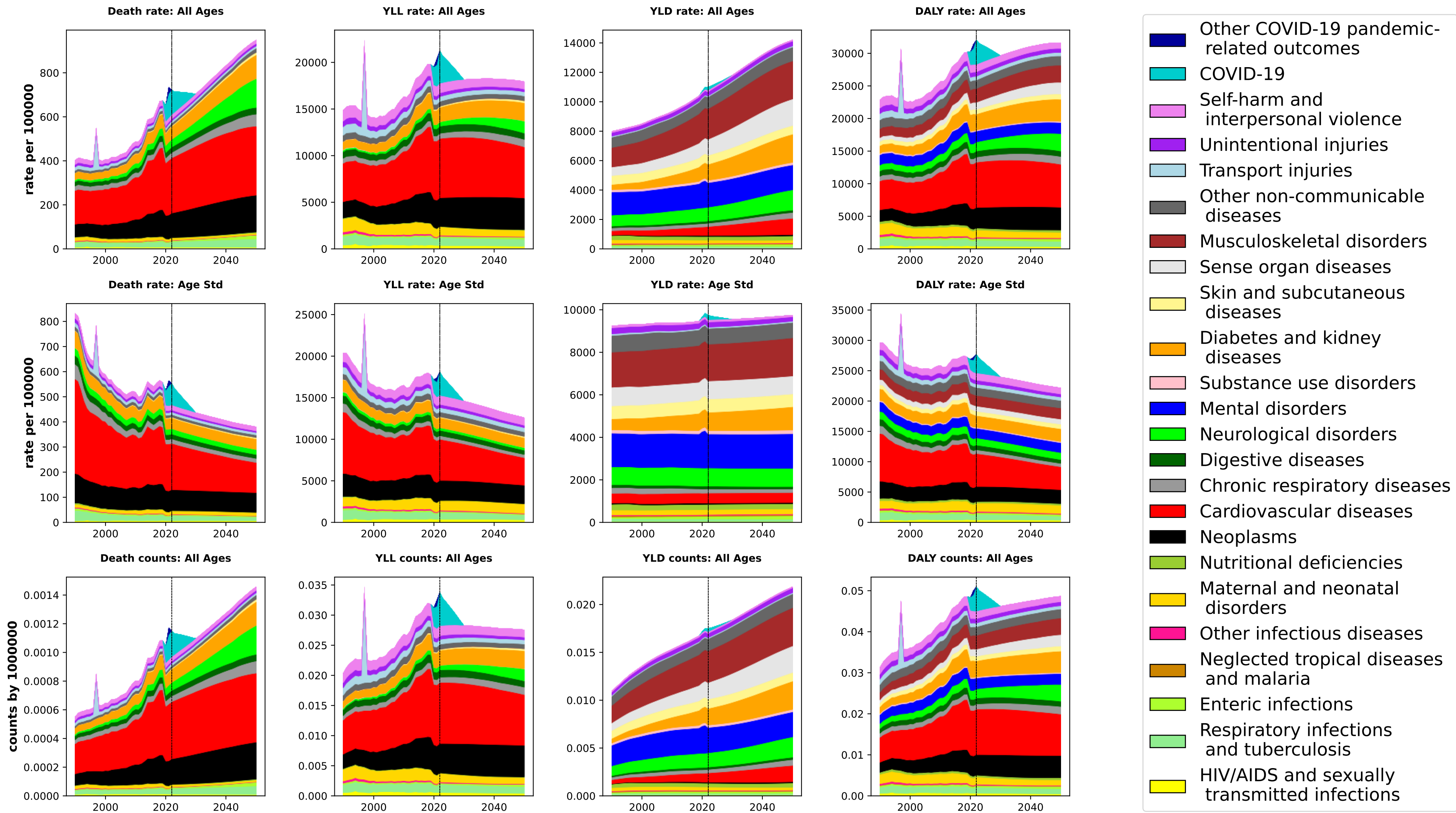
# Cook Islands



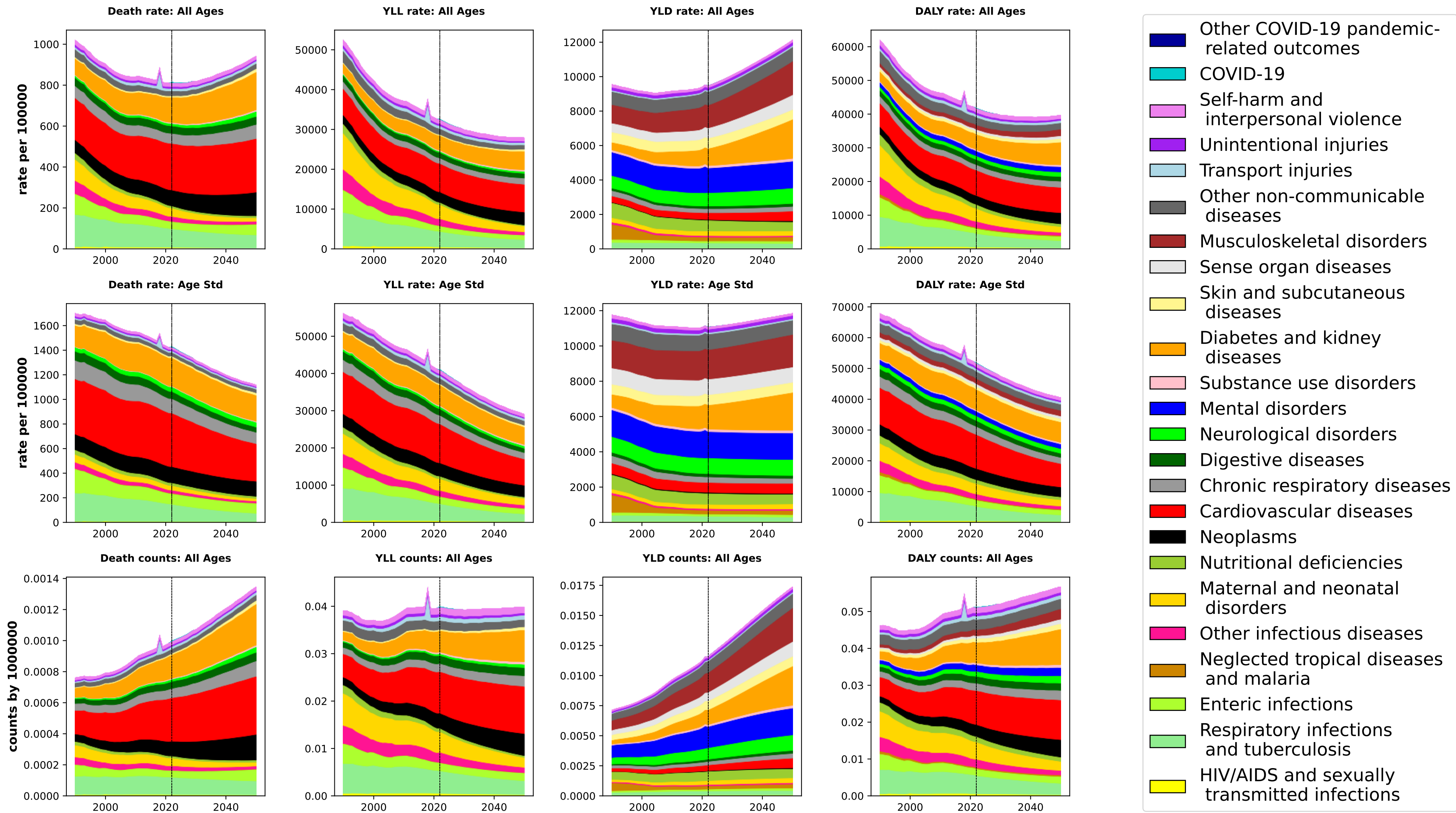




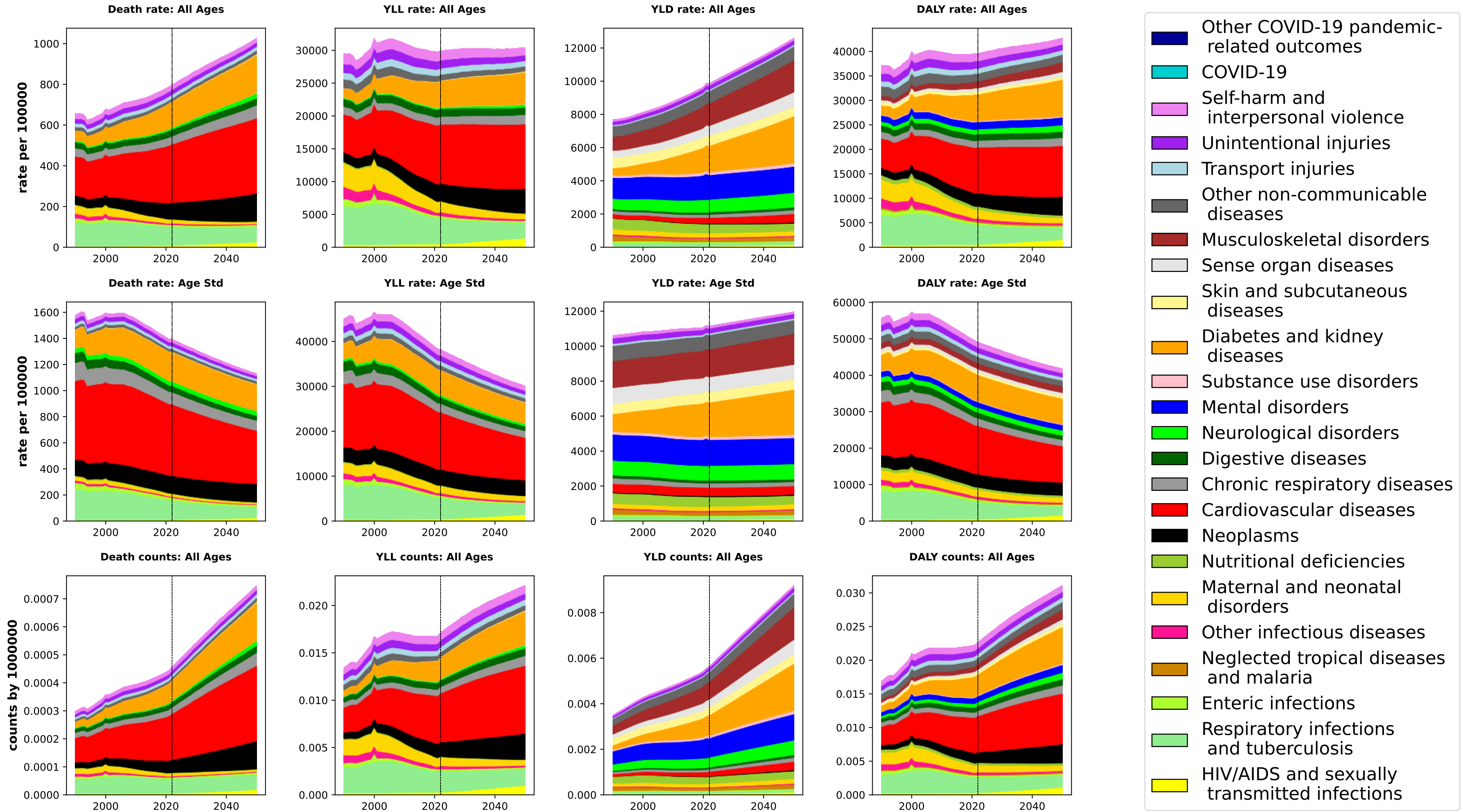
# Guam



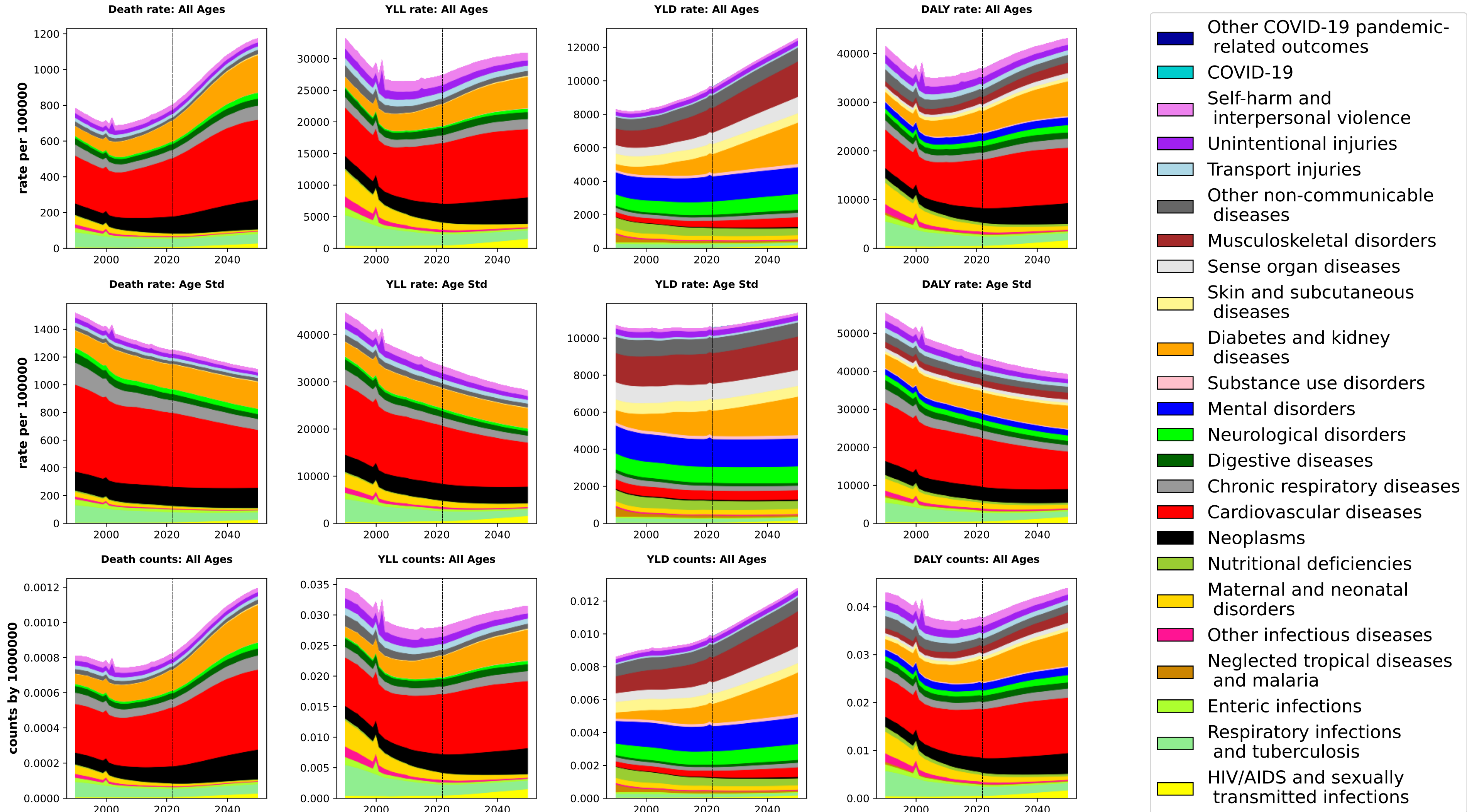
# Kiribati



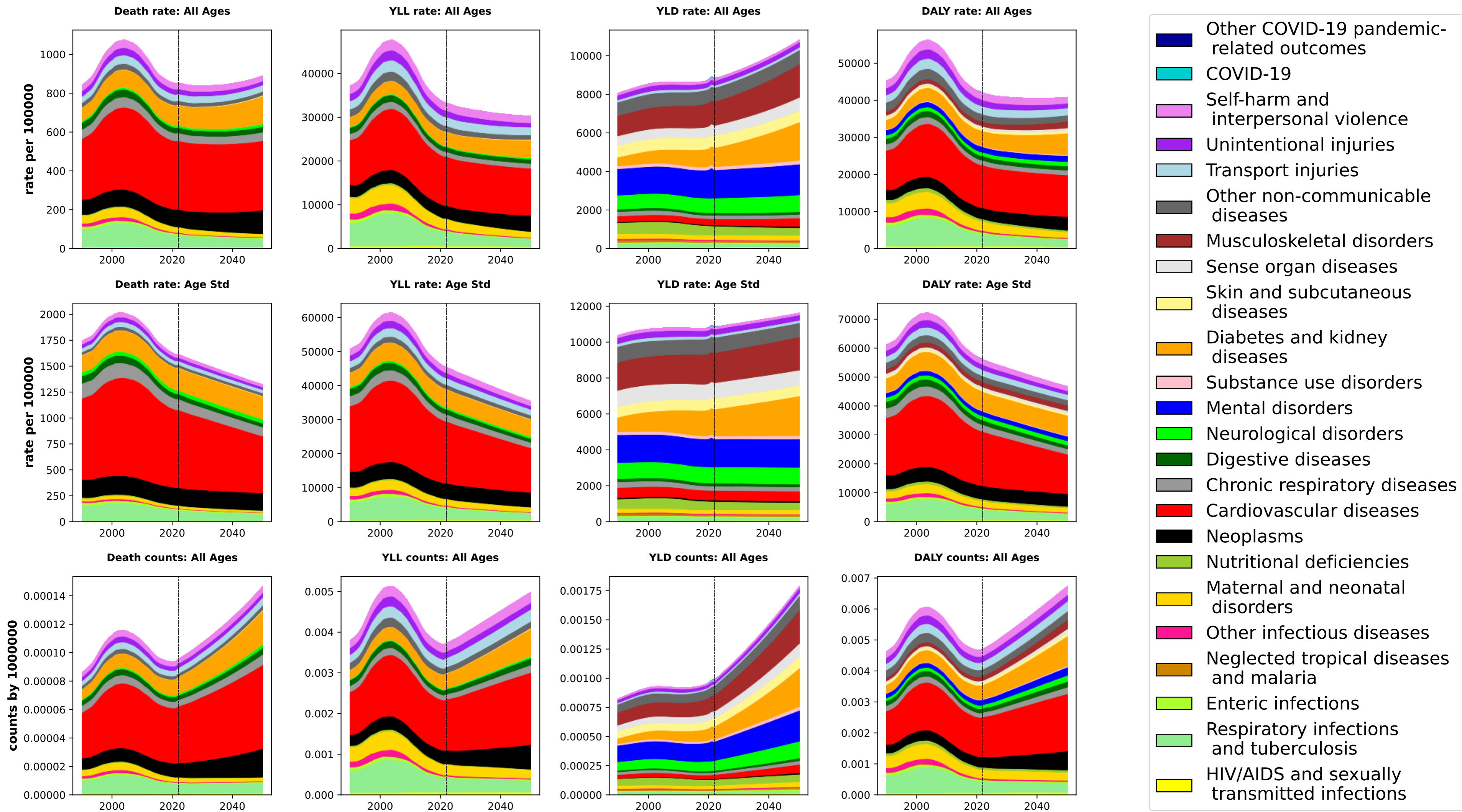
# Marshall Islands



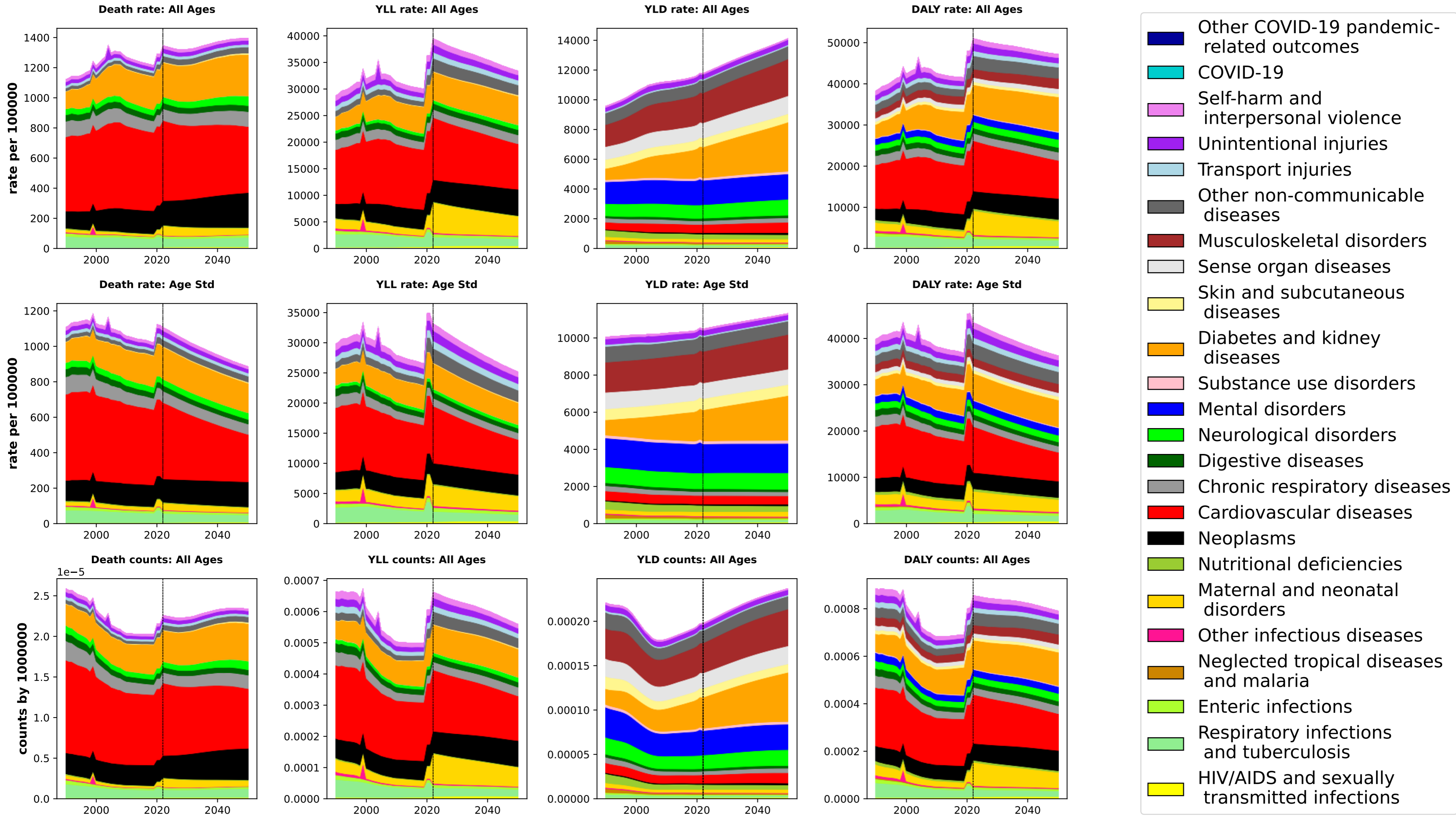
# Federated States of Micronesia



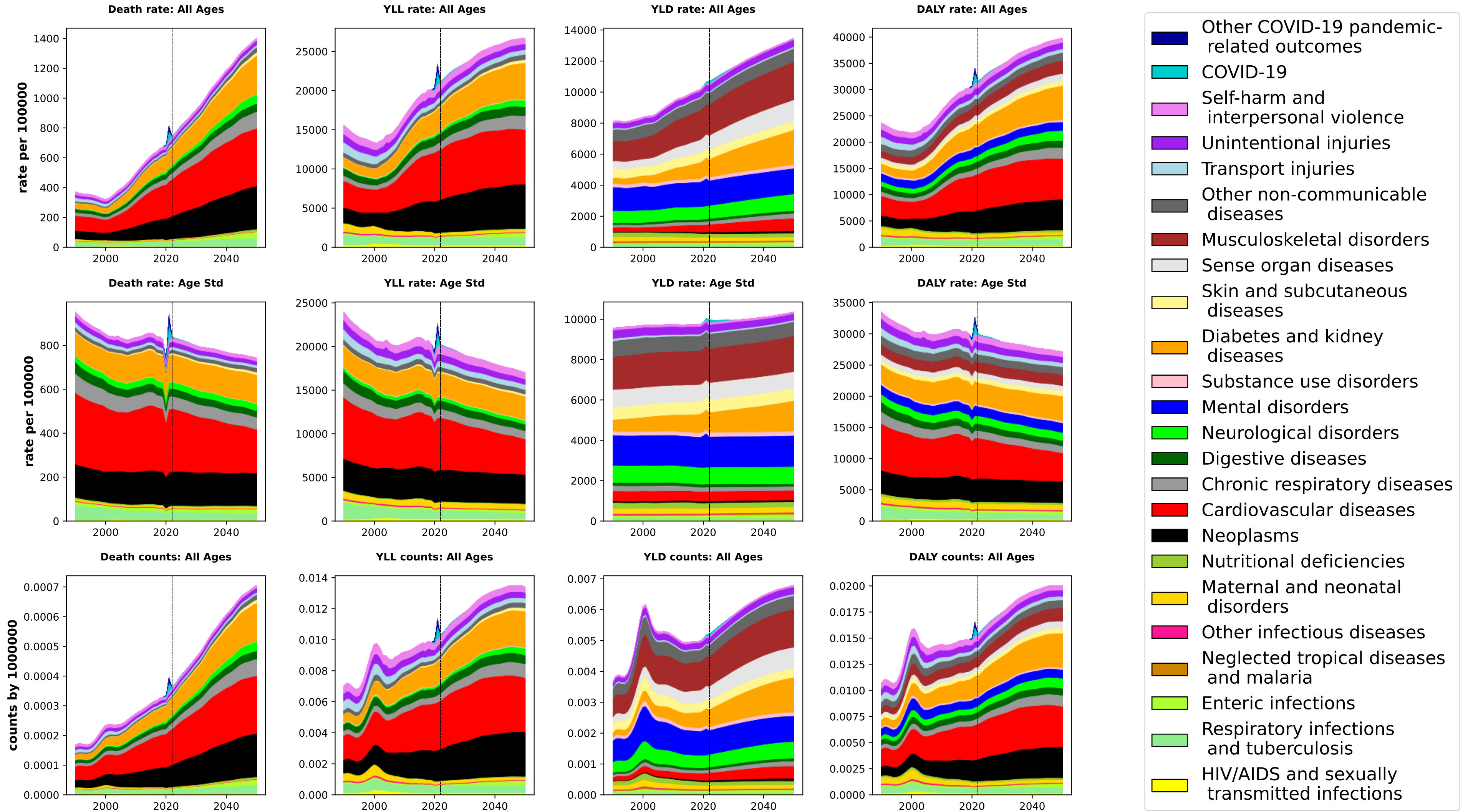
# Nauru



# Niue

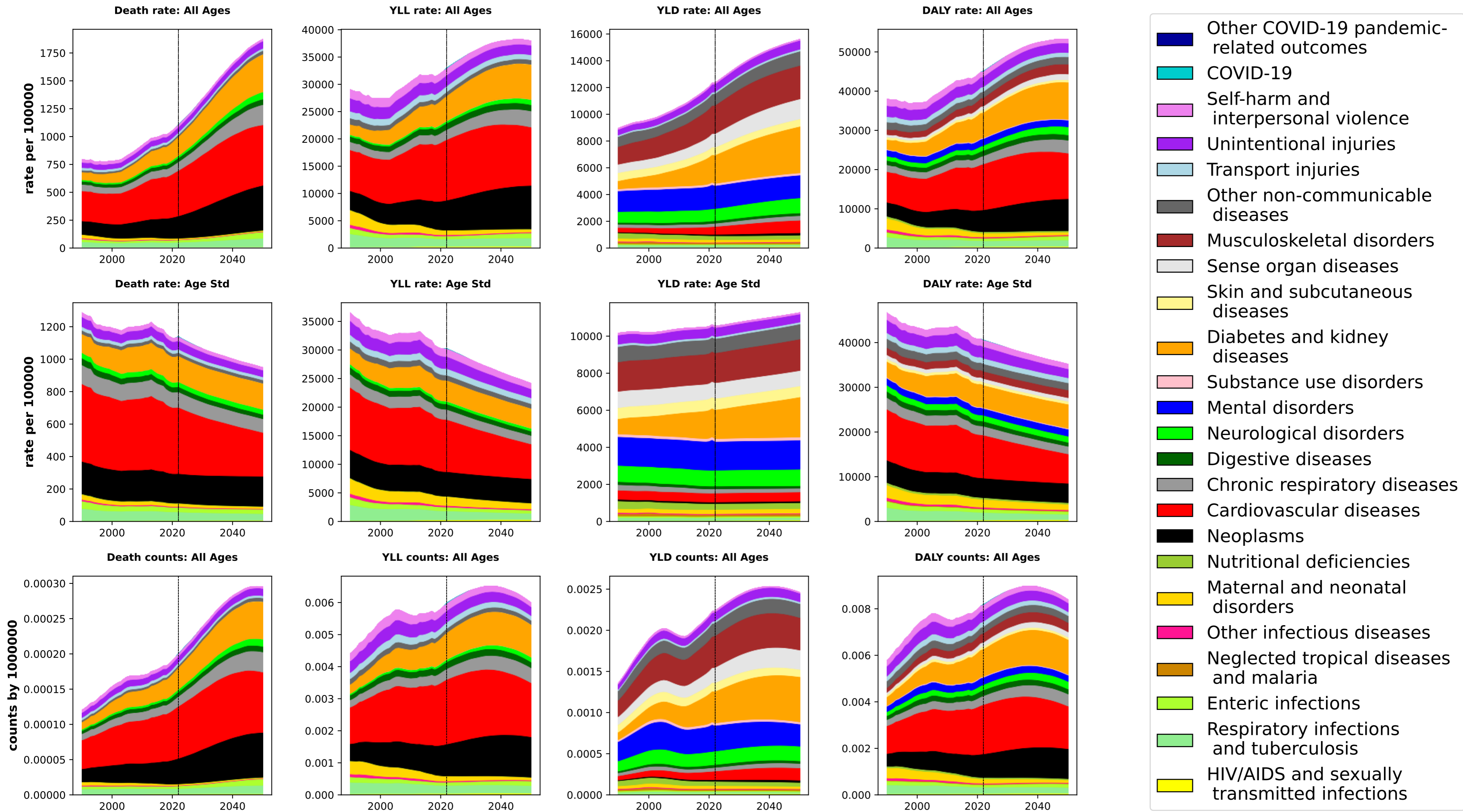


# Northern Mariana Islands





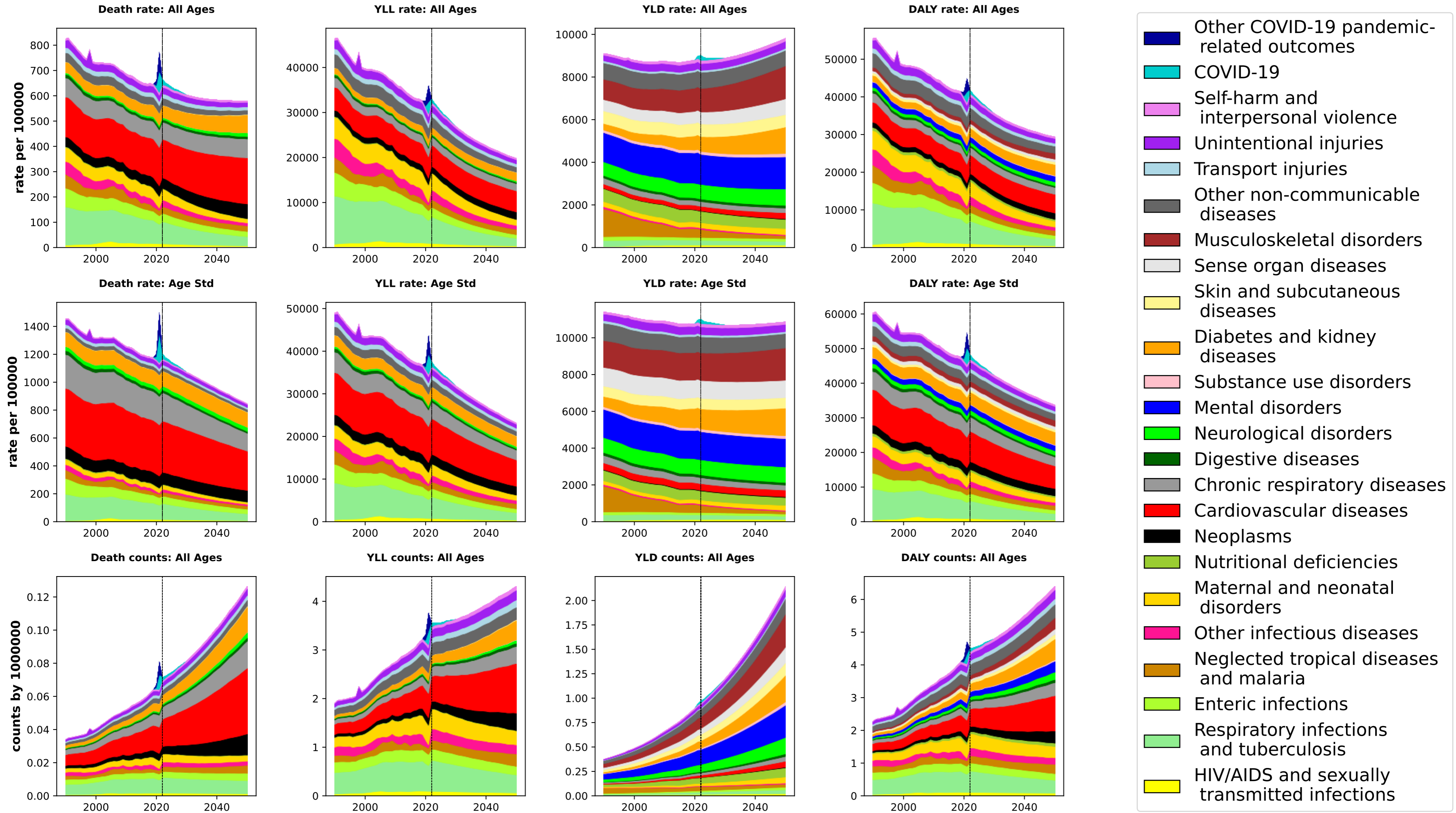
# Palau



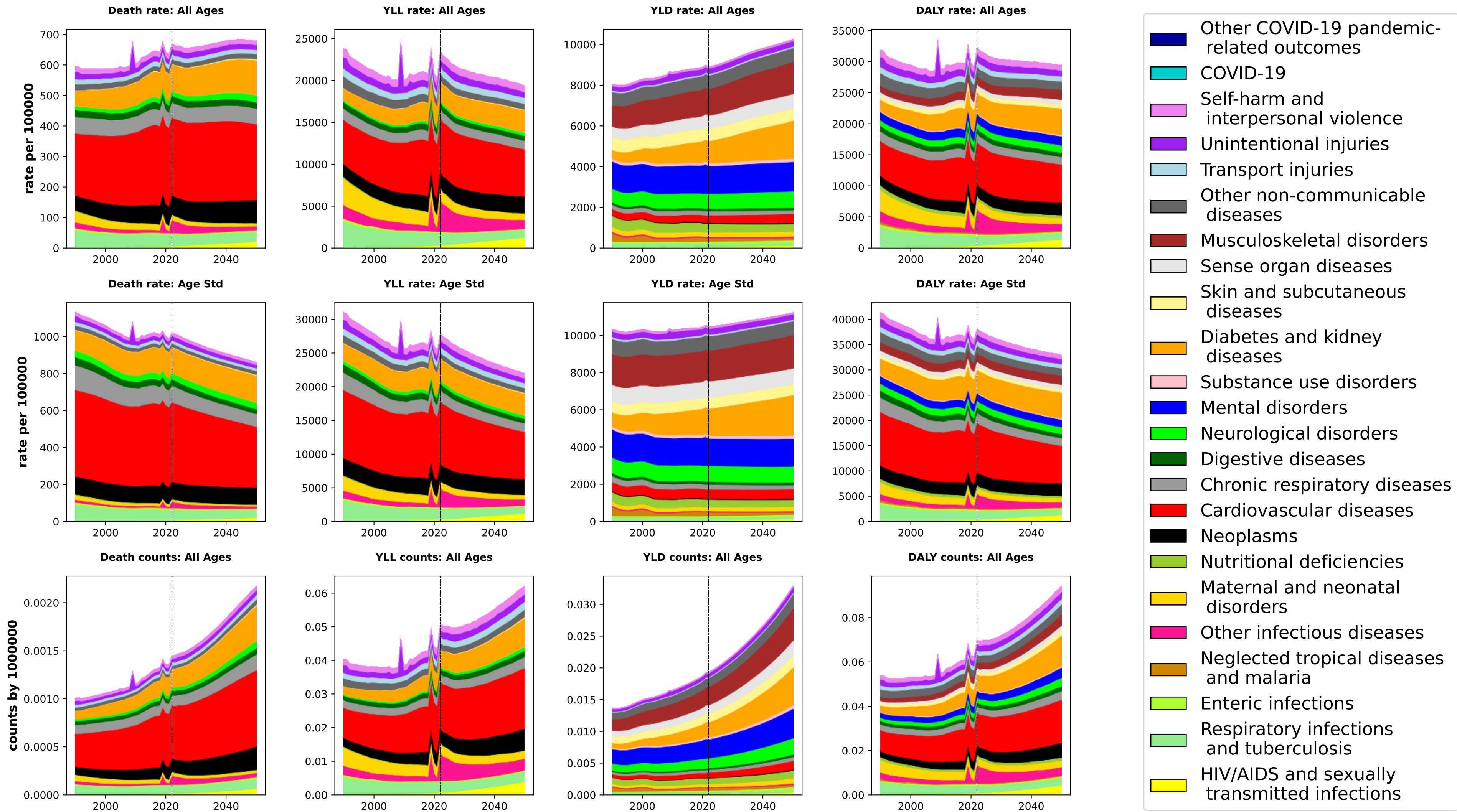
# Papua New Guinea

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

849



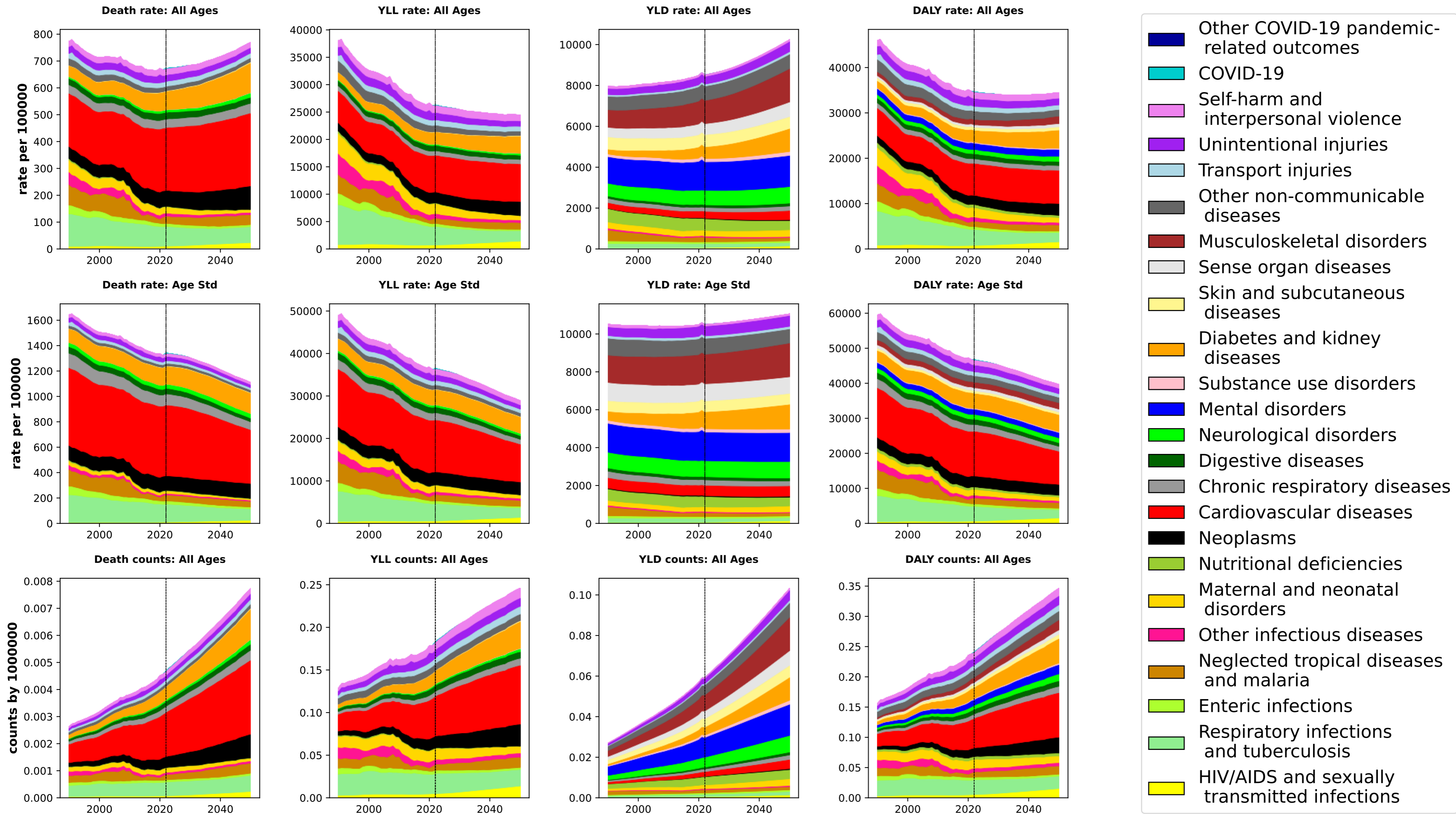
# Samoa



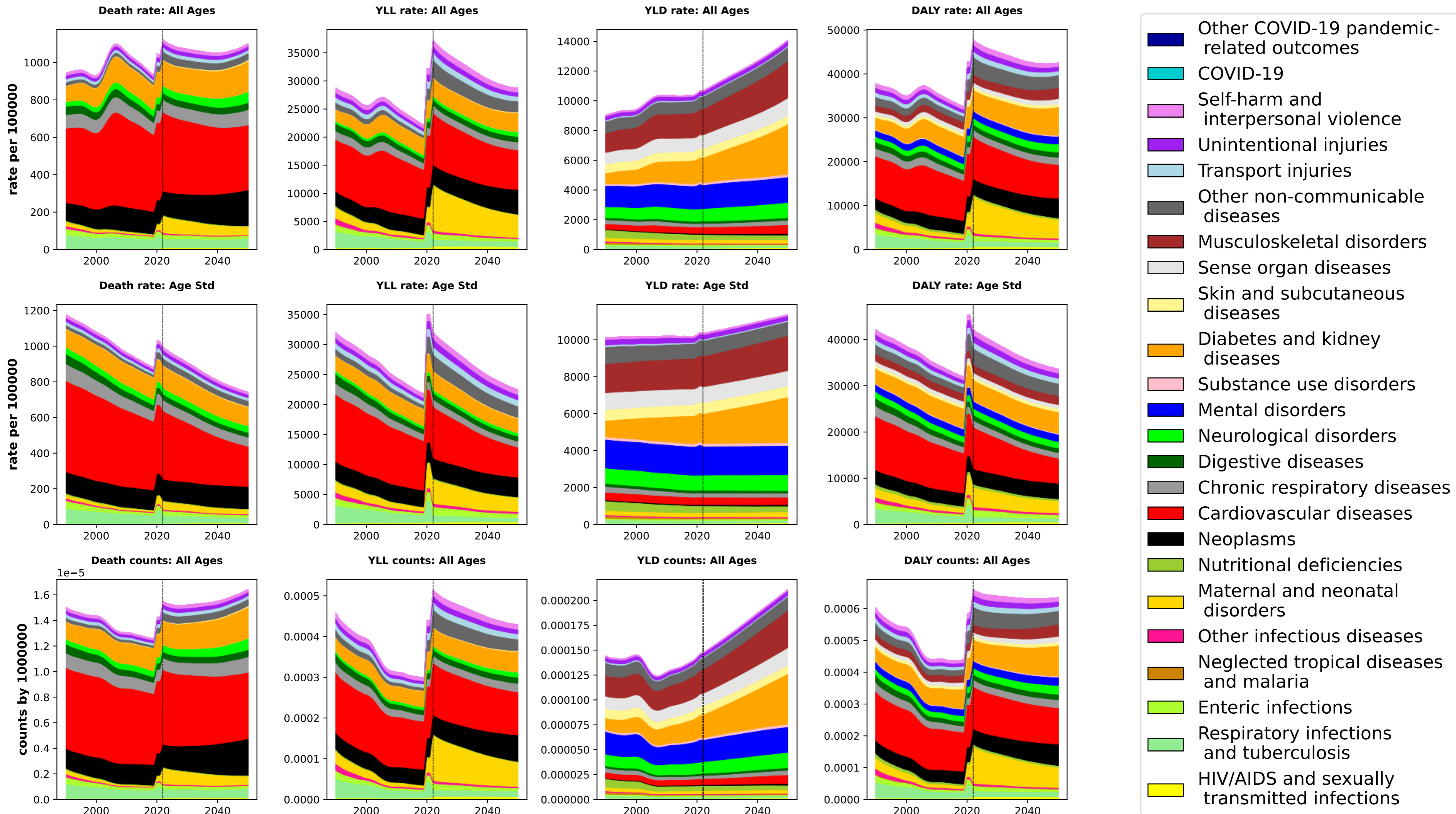
# Solomon Islands

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

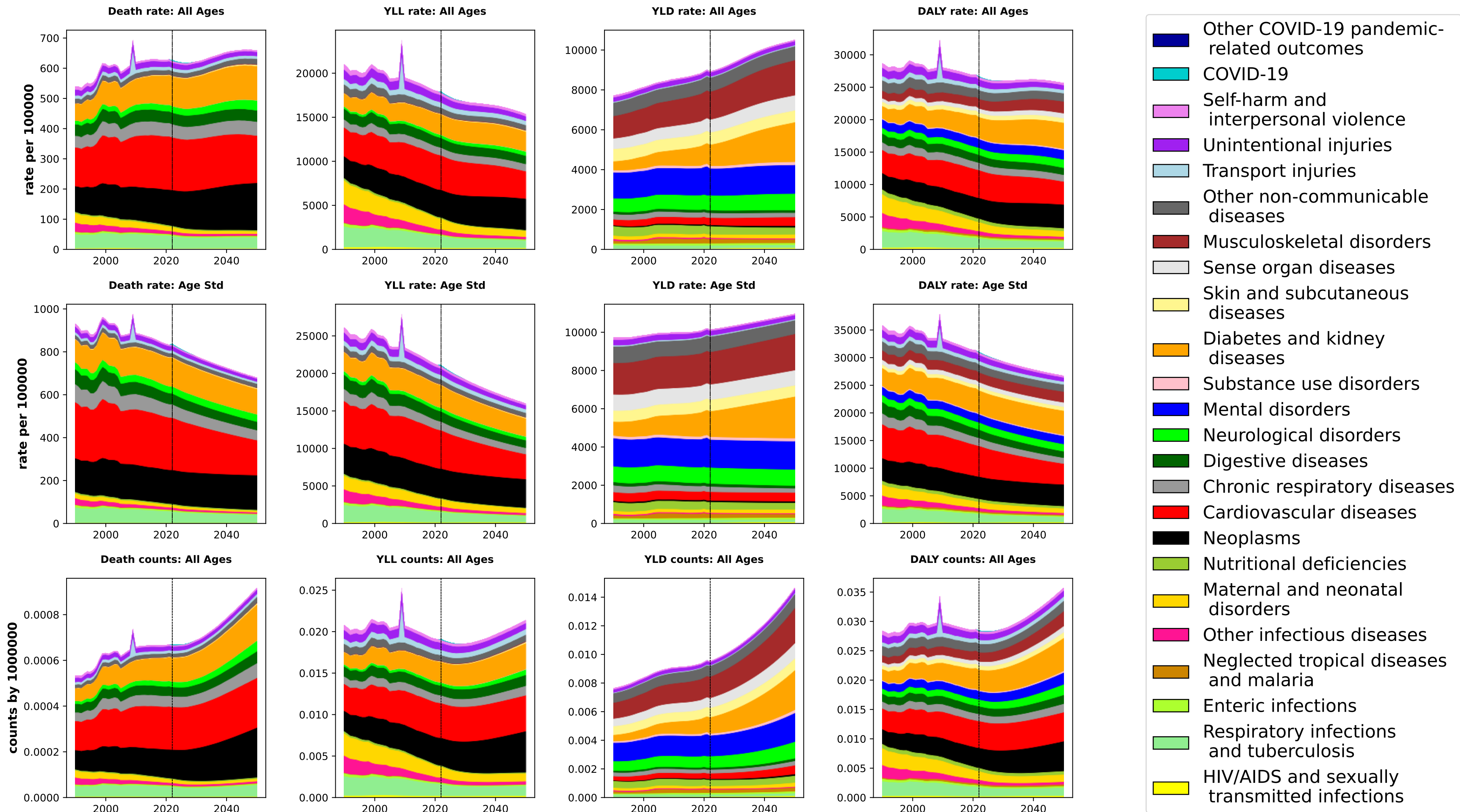
851



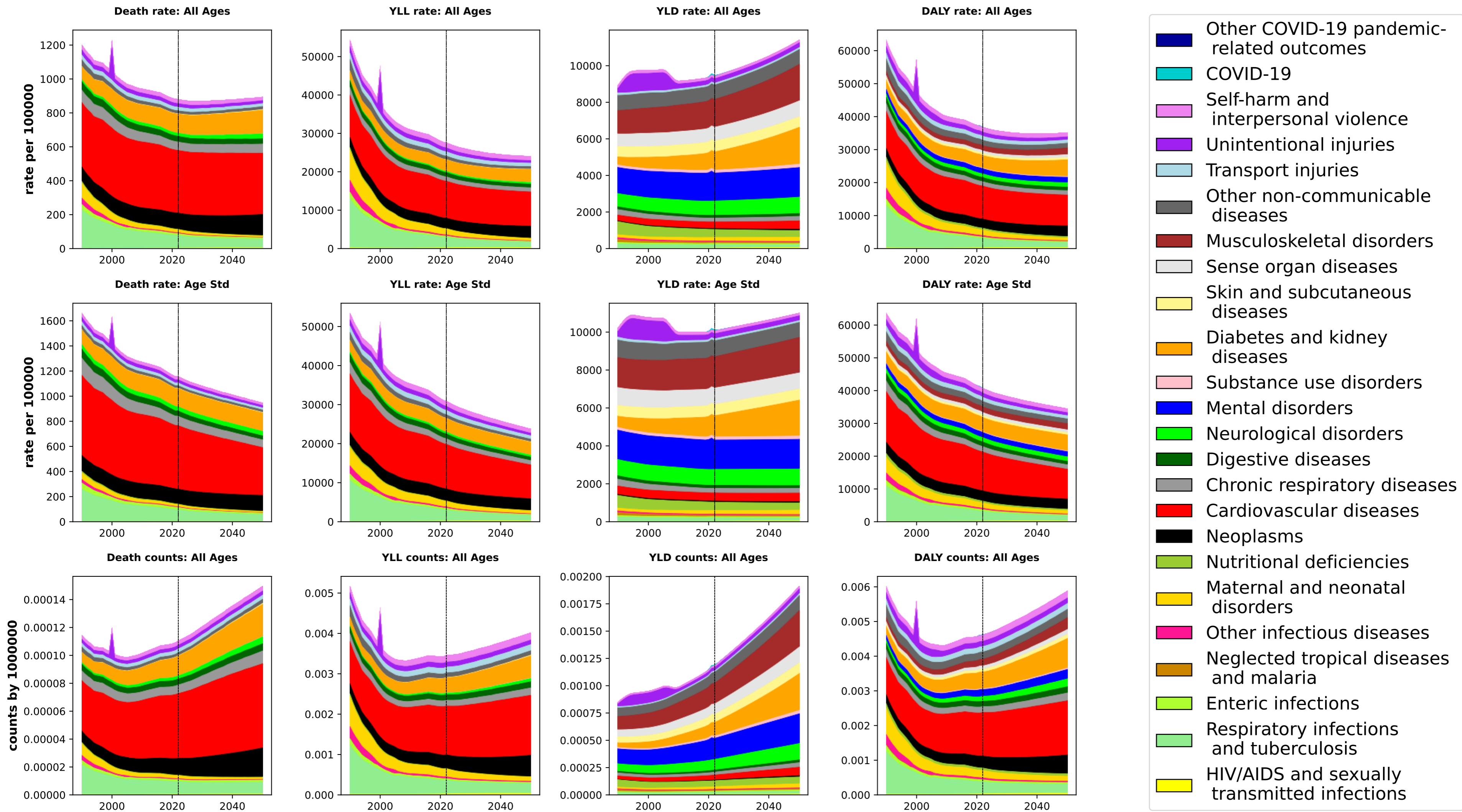
# Tokelau



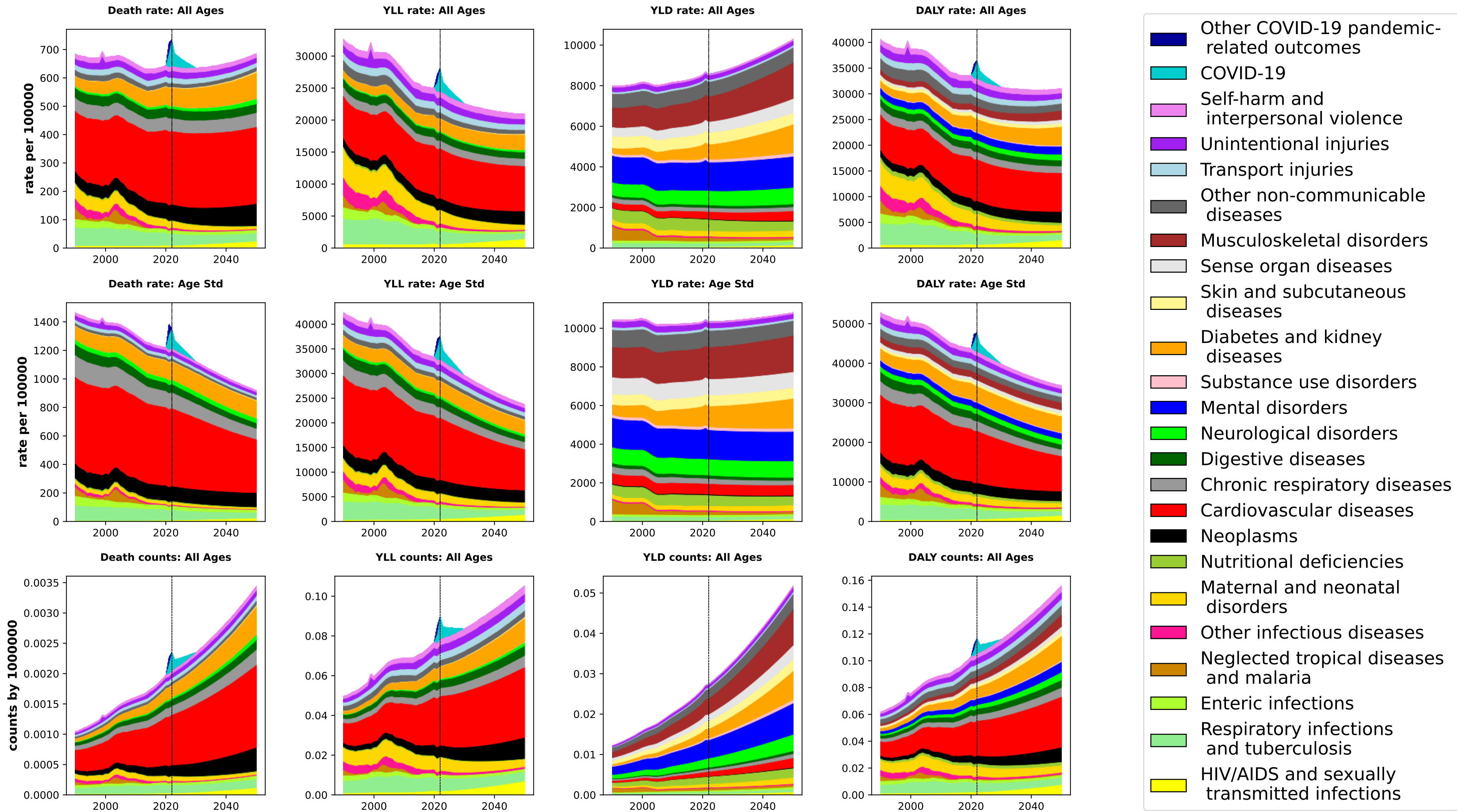
# Tonga



# Tuvalu

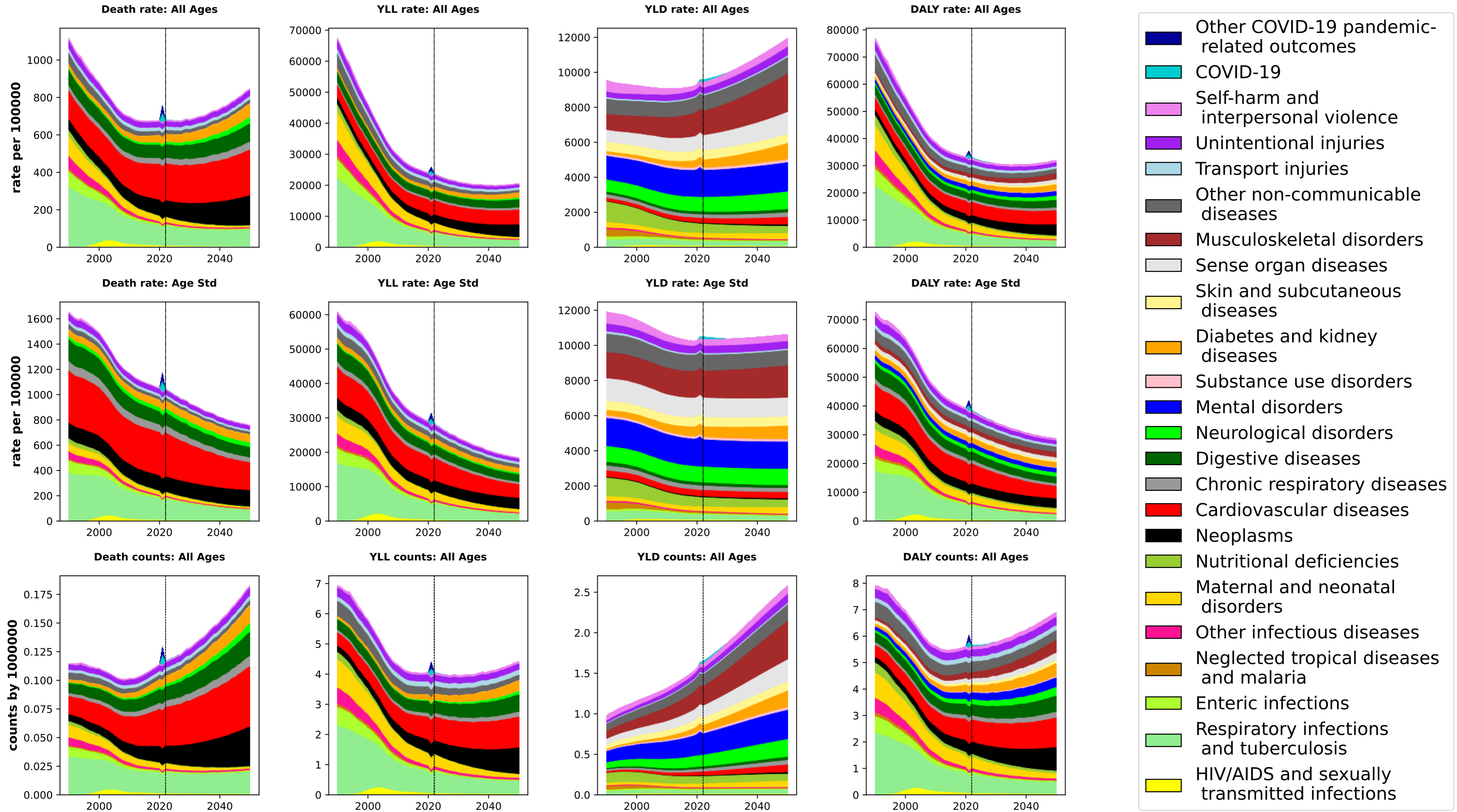


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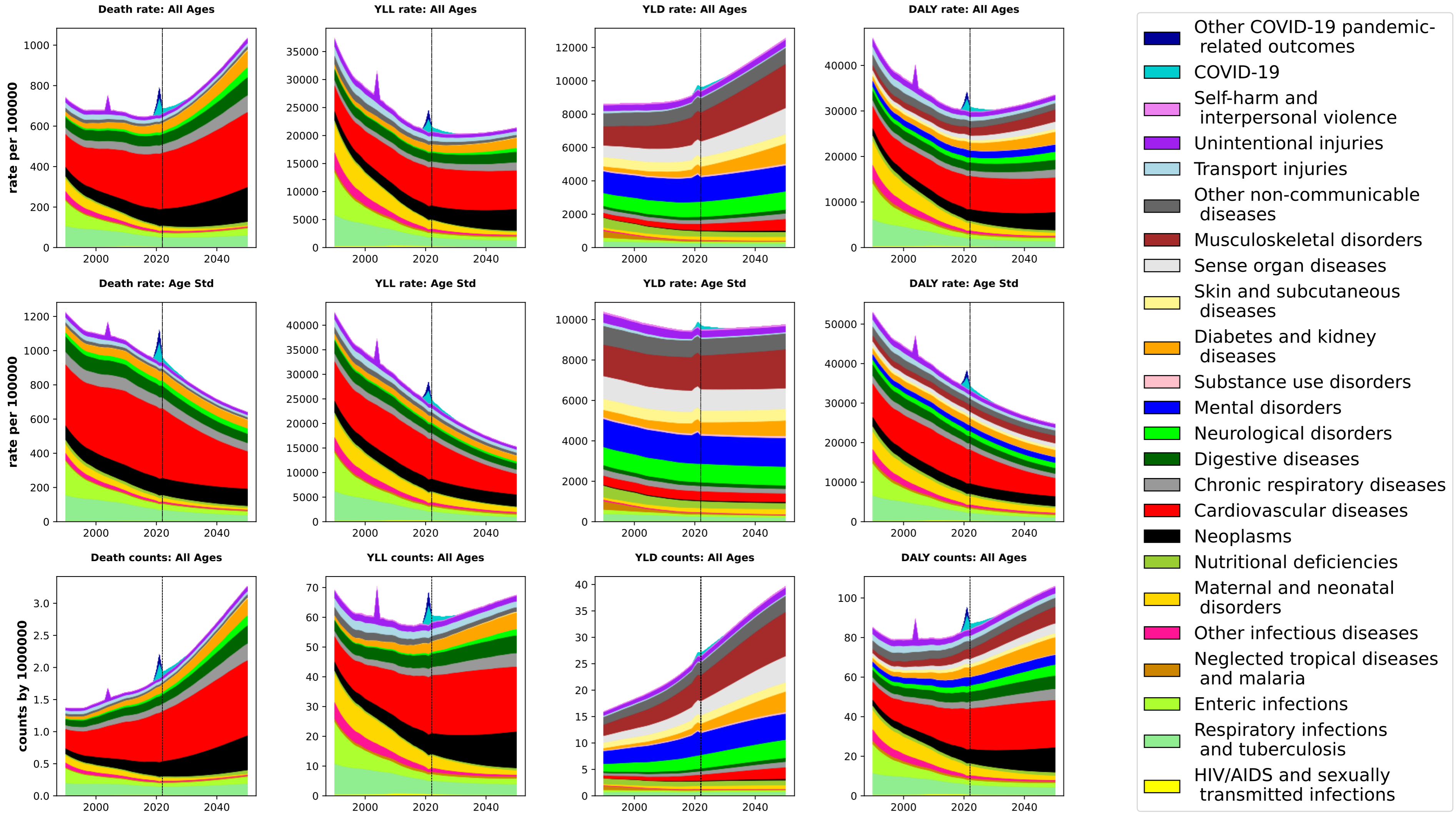


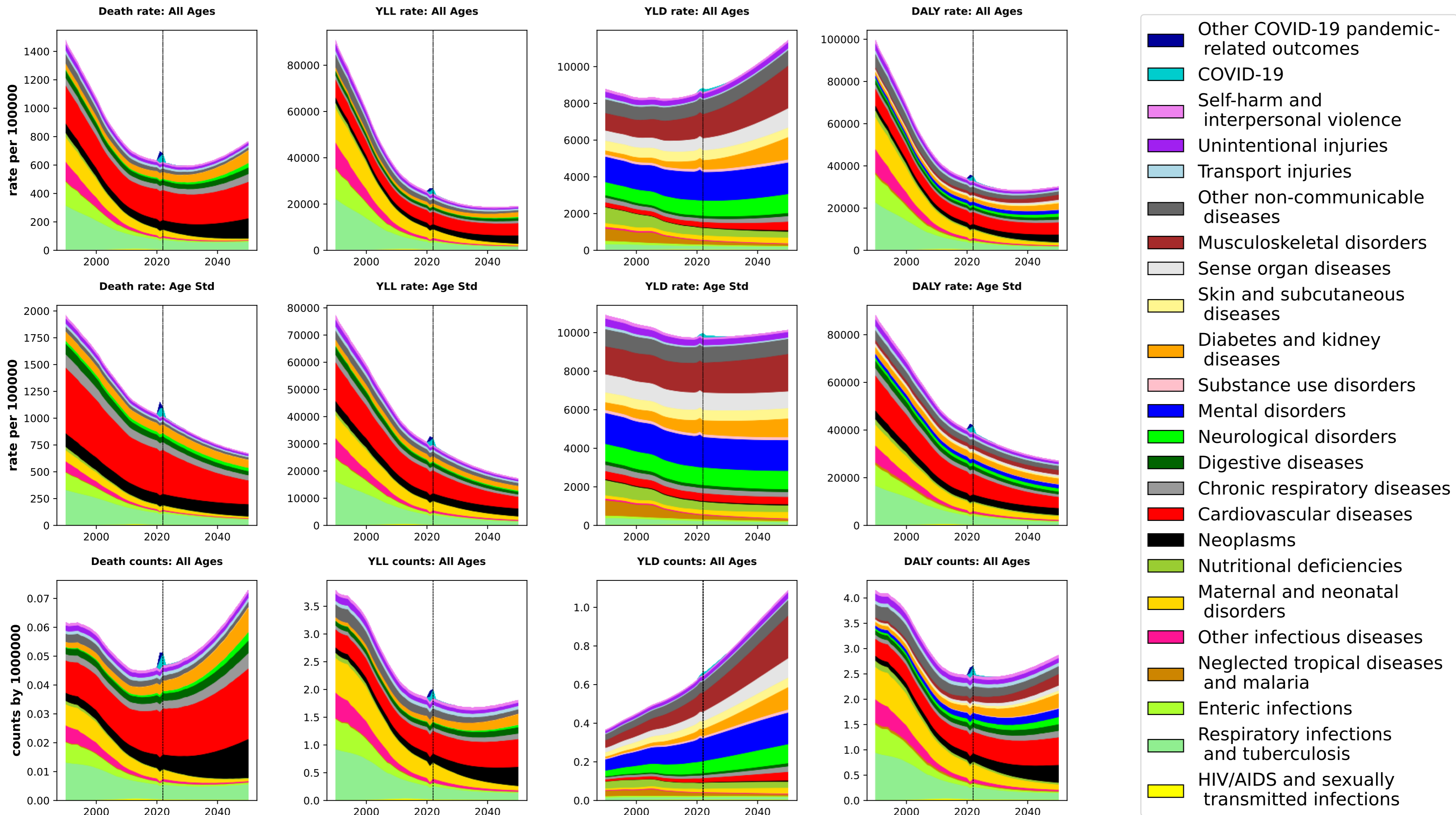


# Cambodia

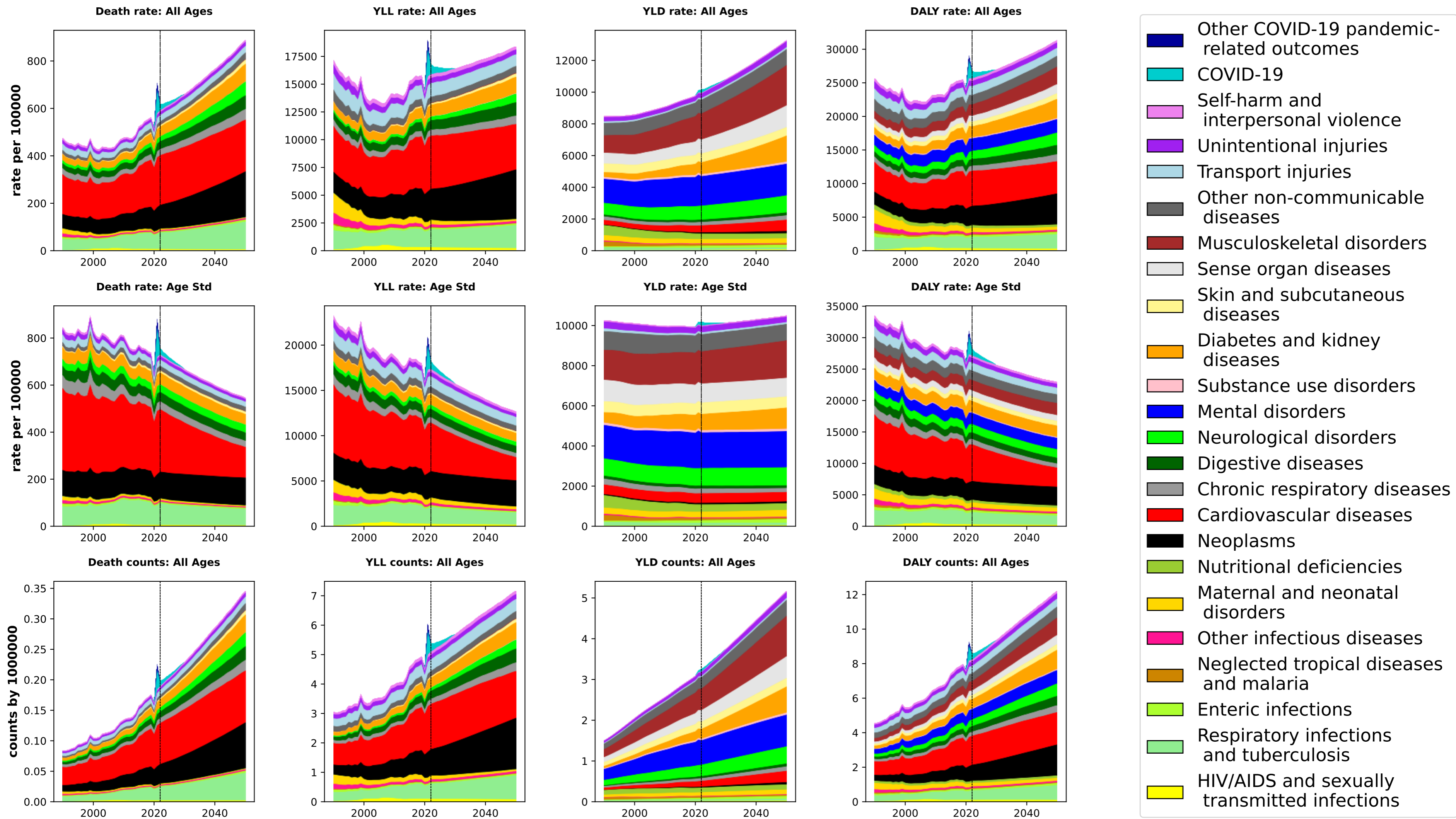


# Indonesia

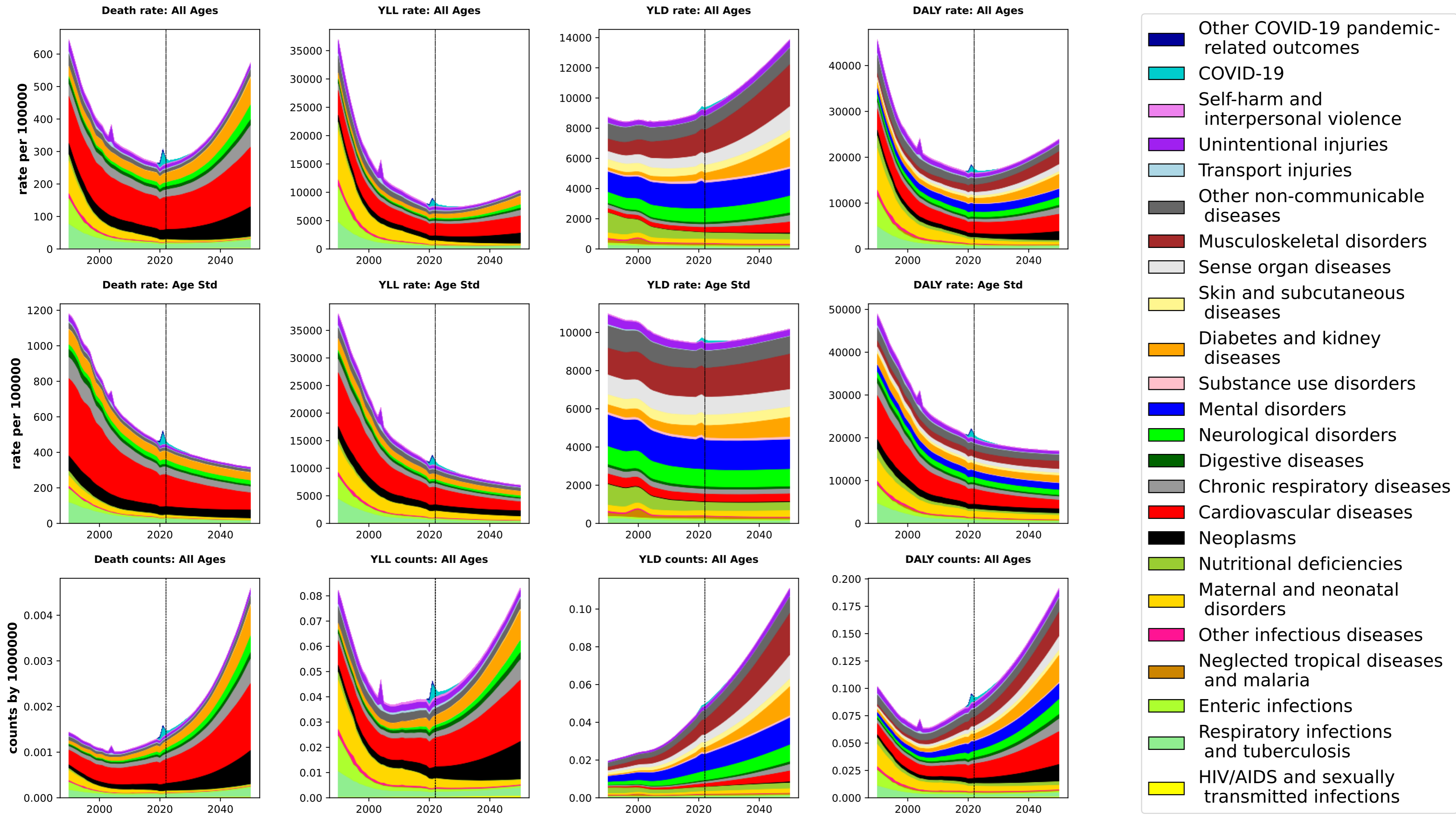




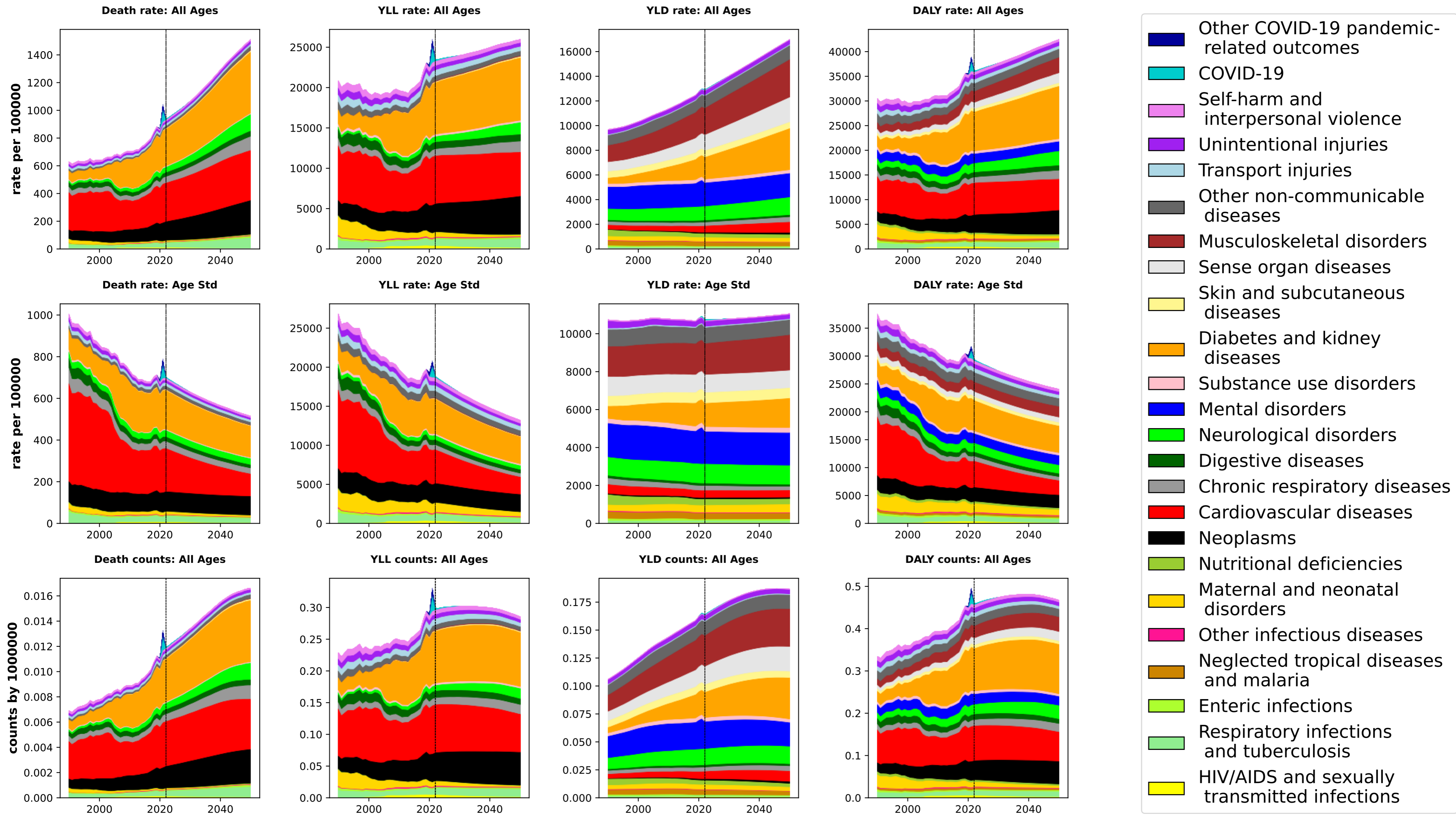
# Malaysia



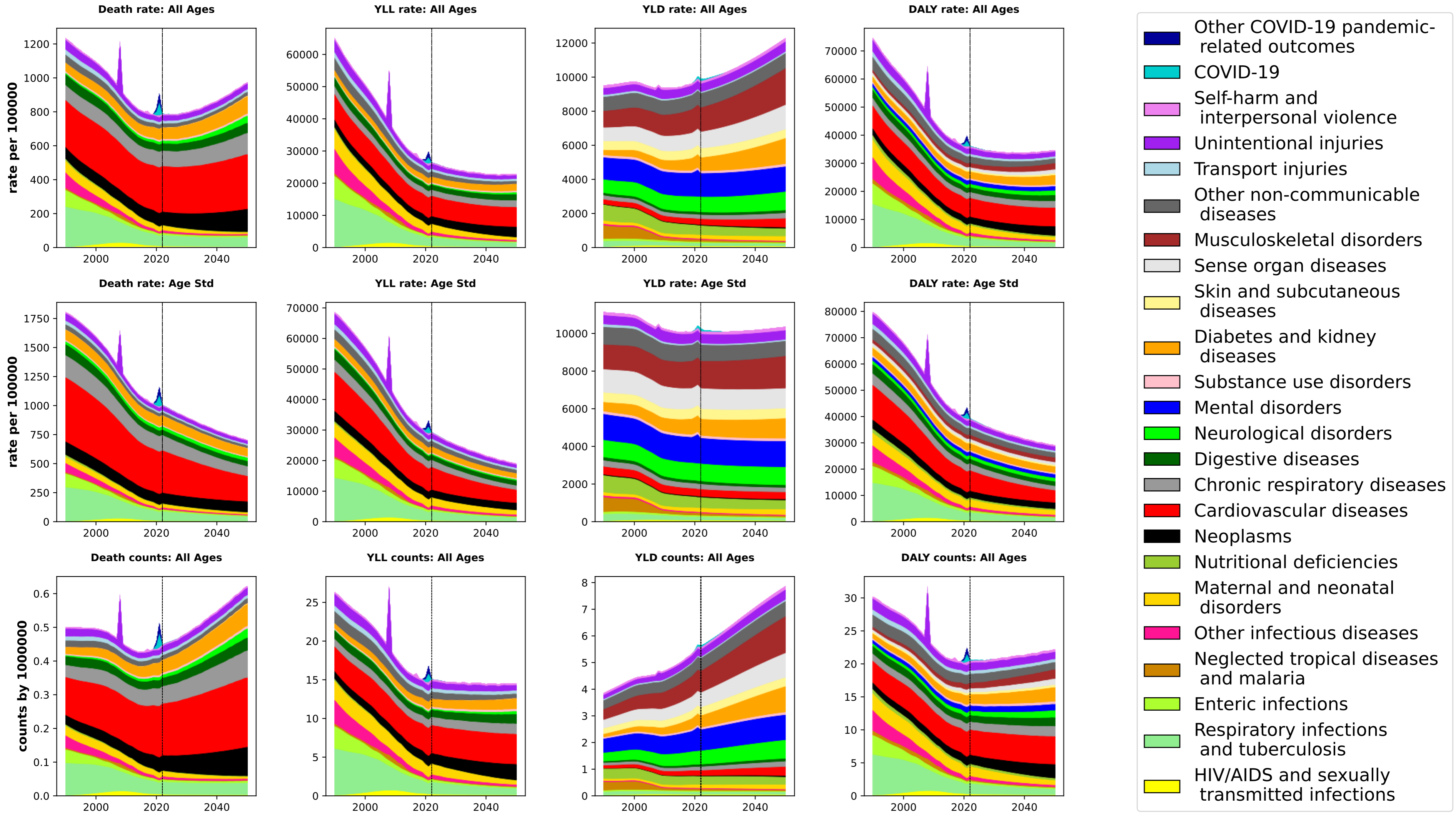
# Maldives



# Mauritius



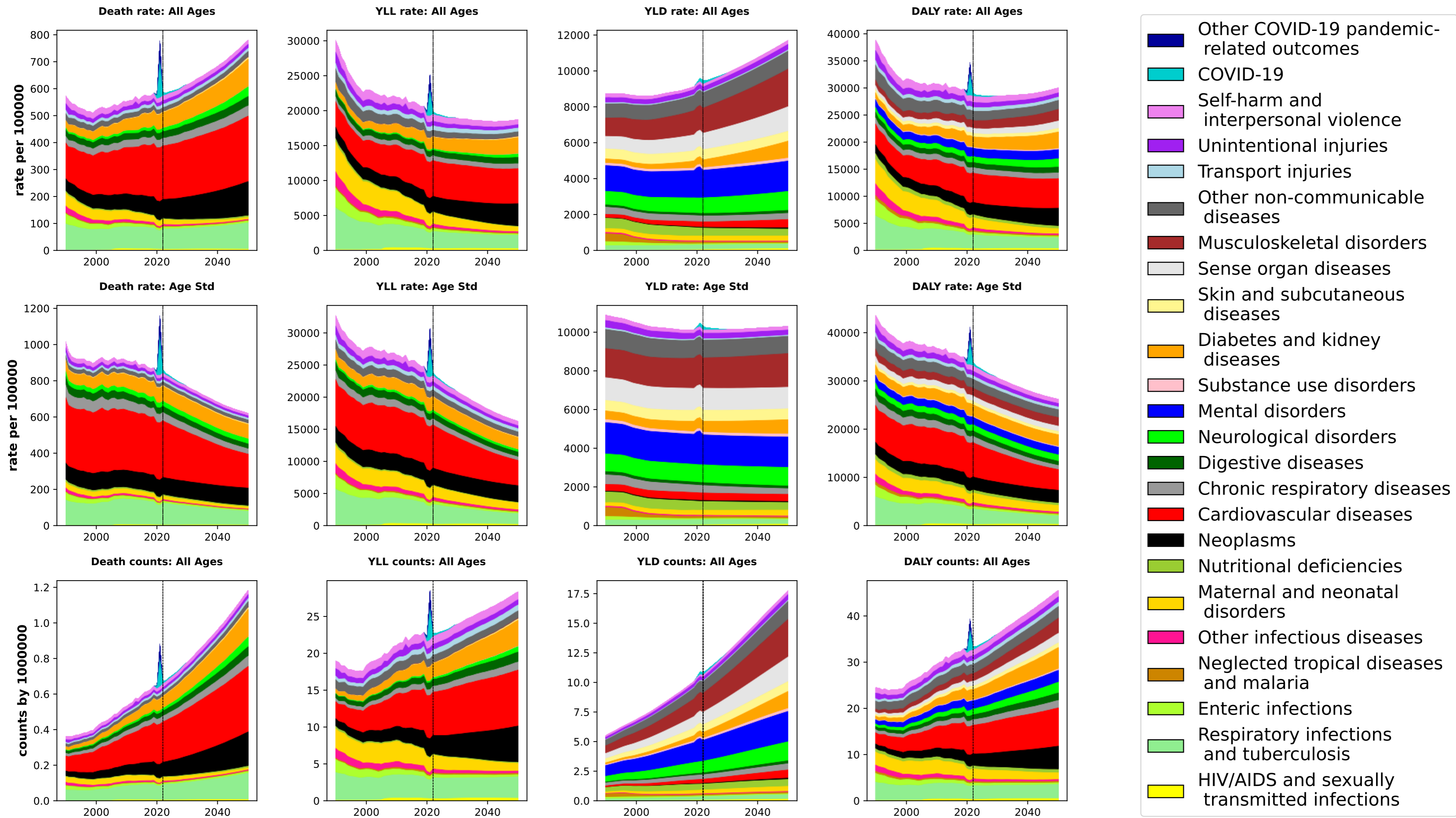
# Myanmar



# Philippines

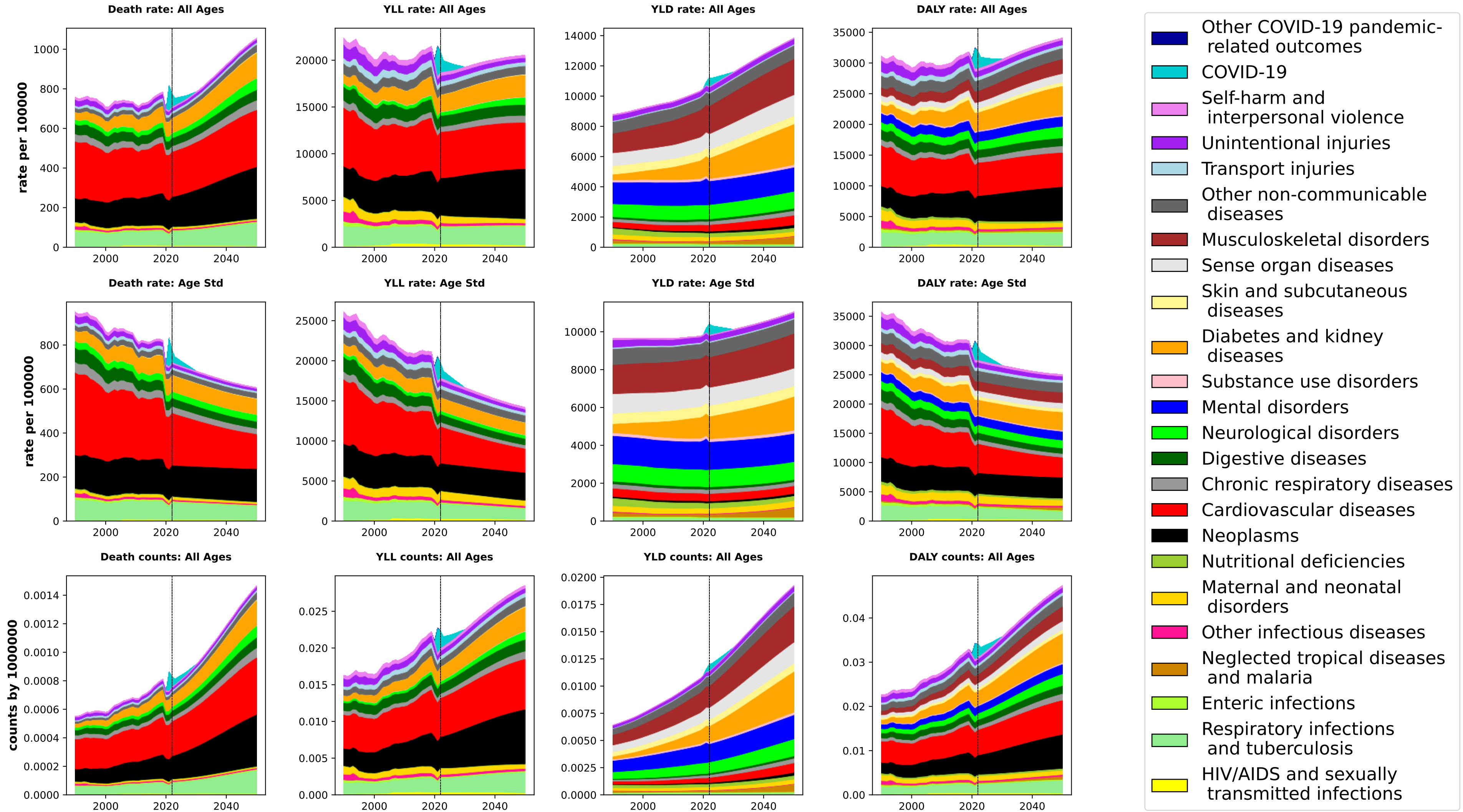
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

863

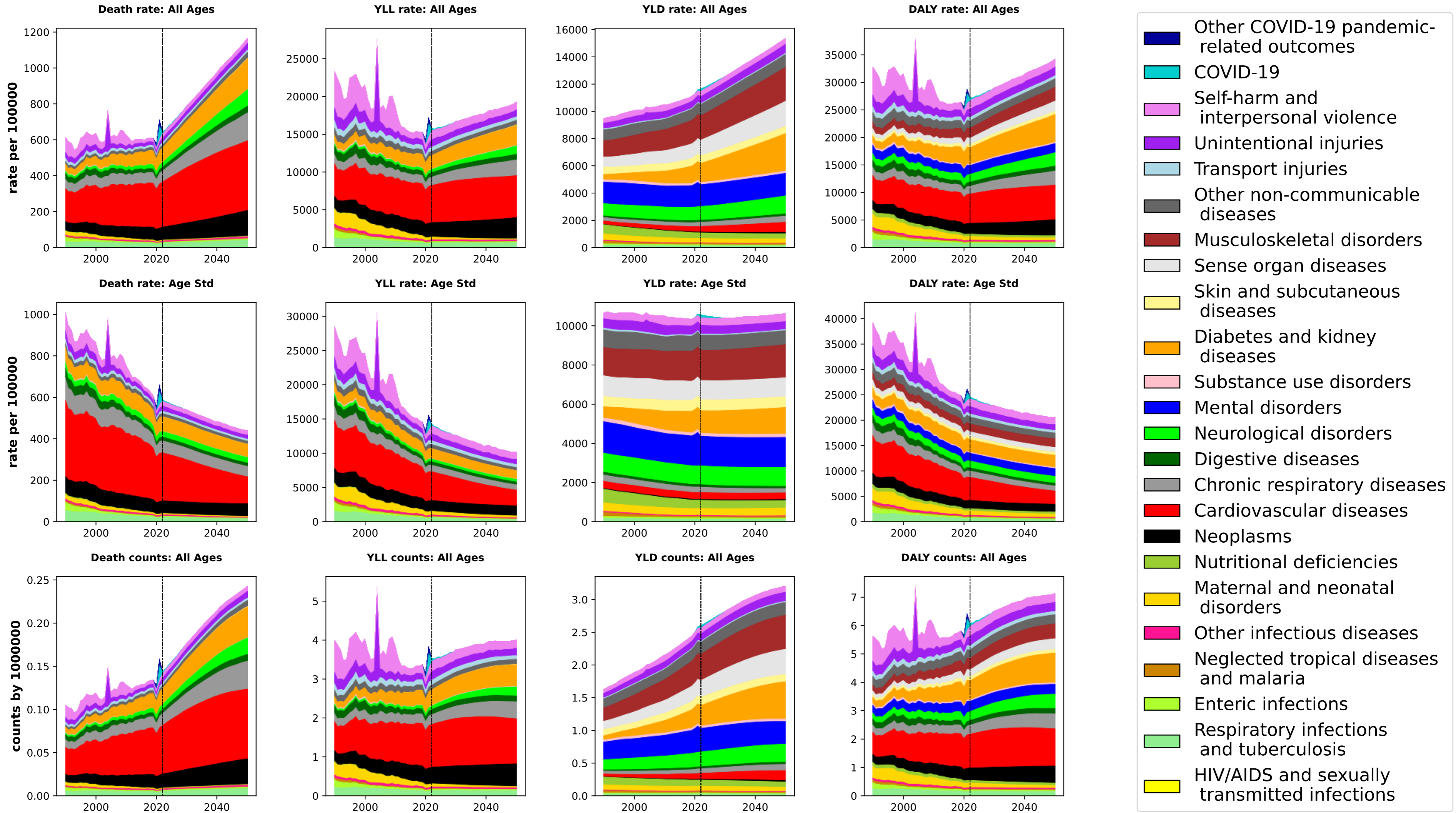




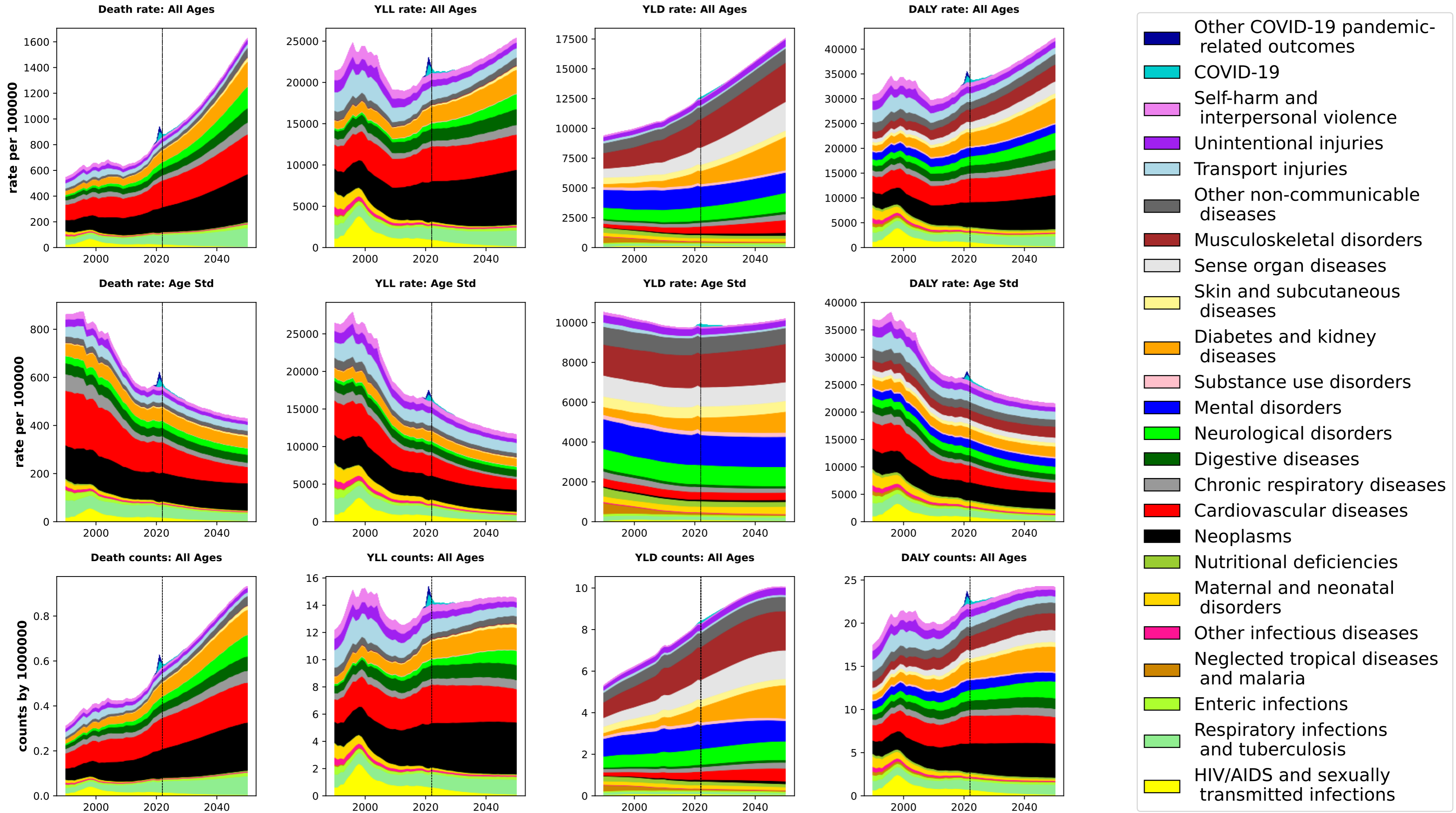
# Seychelles



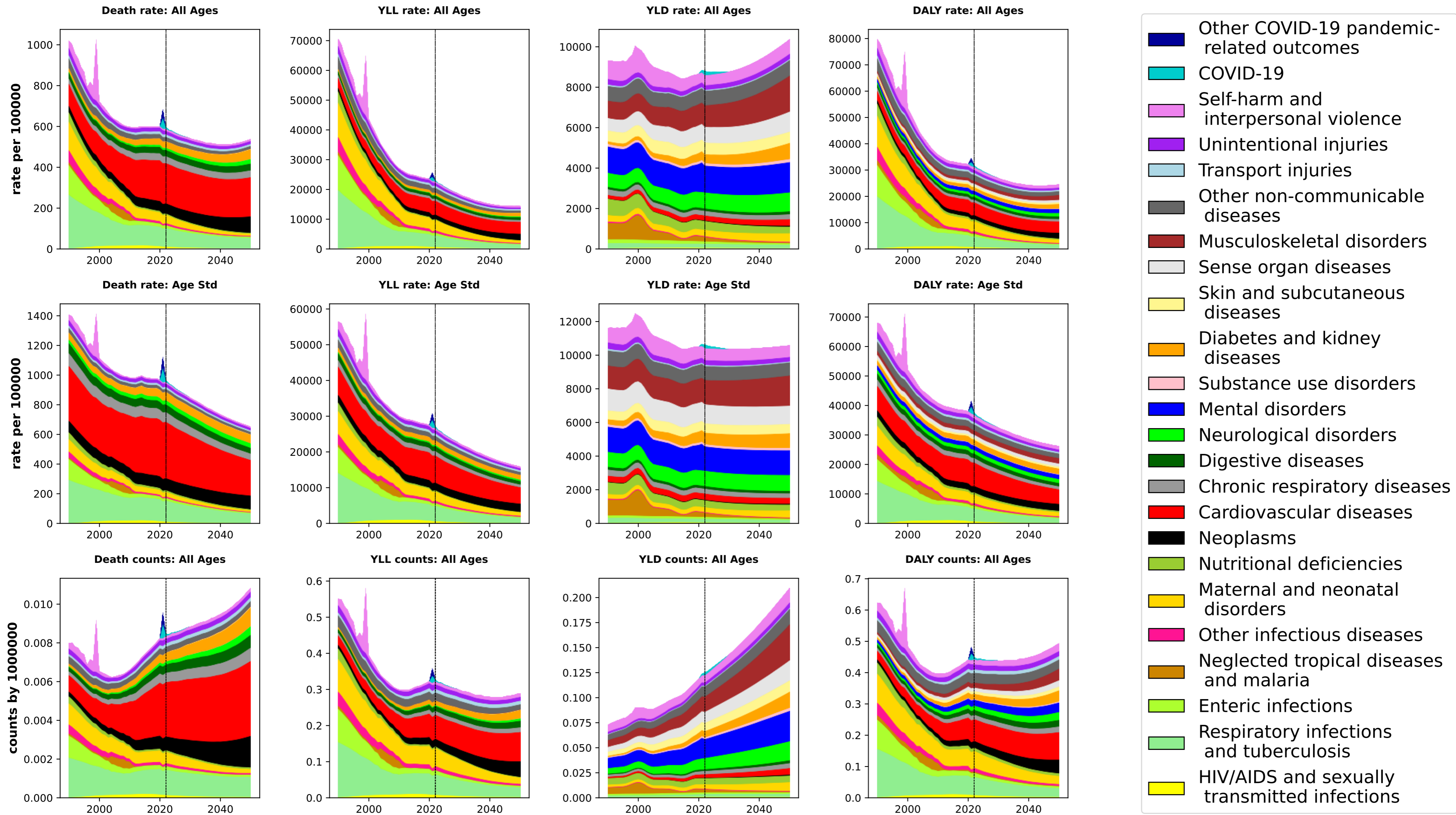
# Sri Lanka



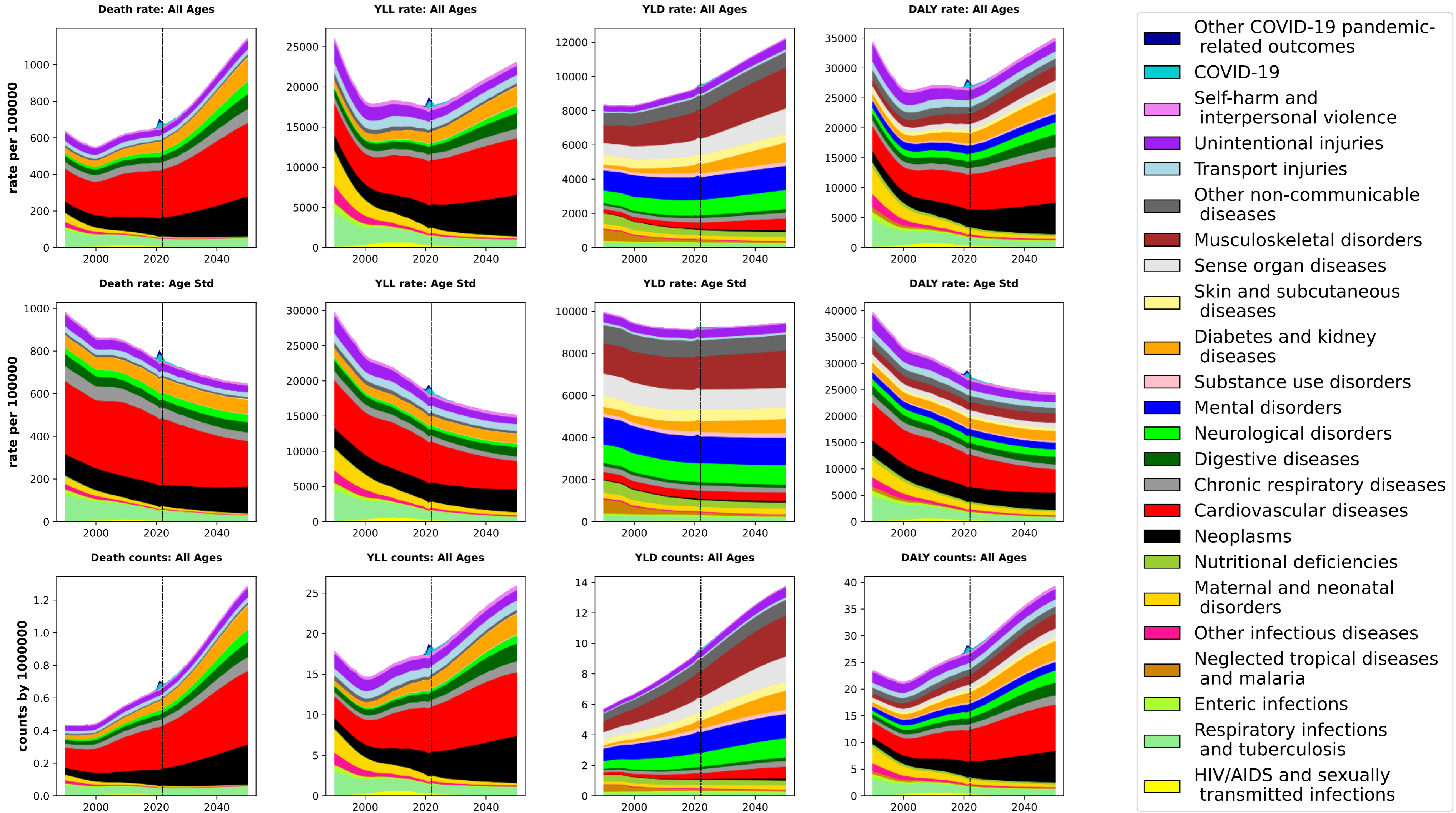
# Thailand



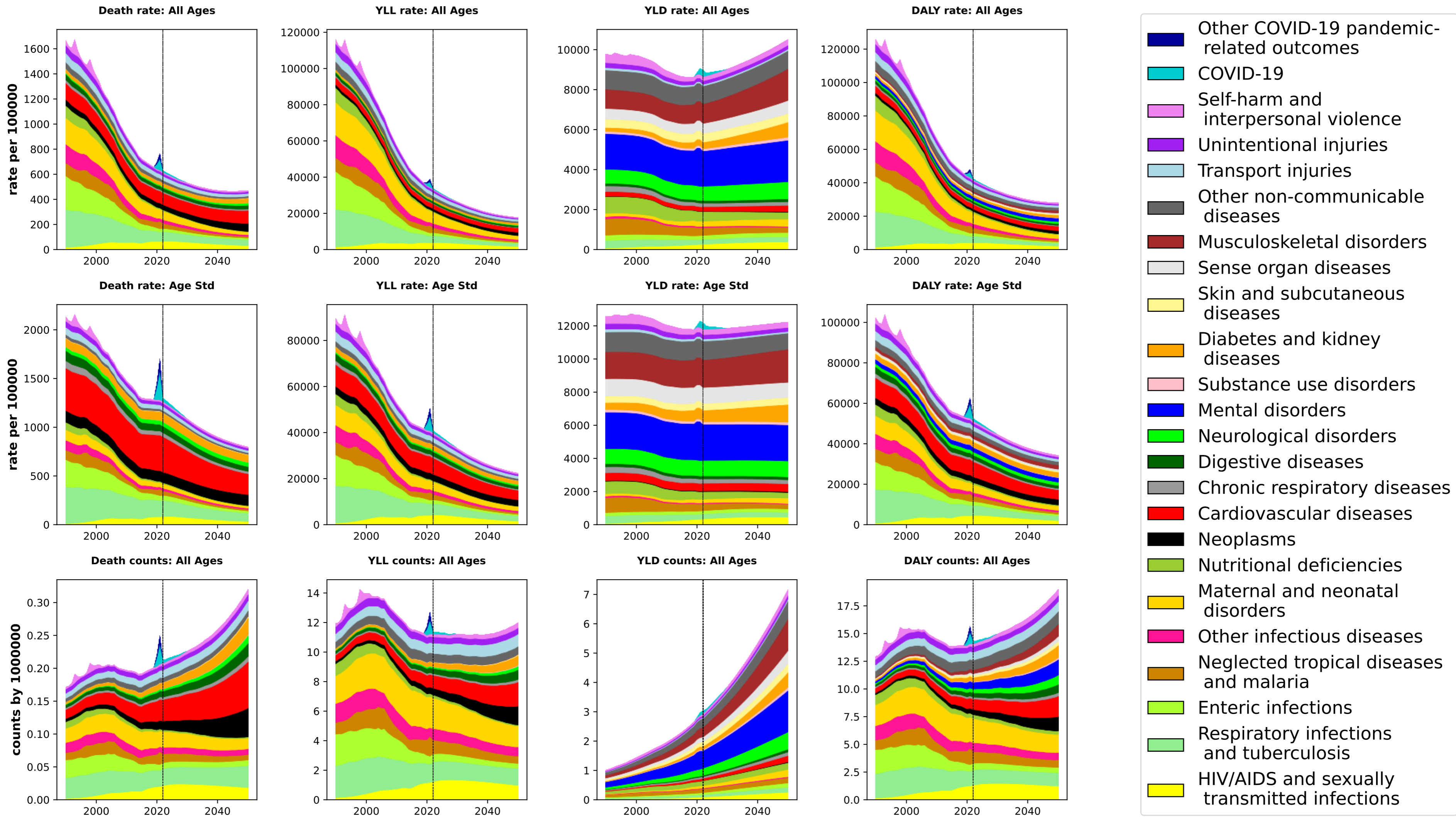
# Timor-Leste



# Viet Nam



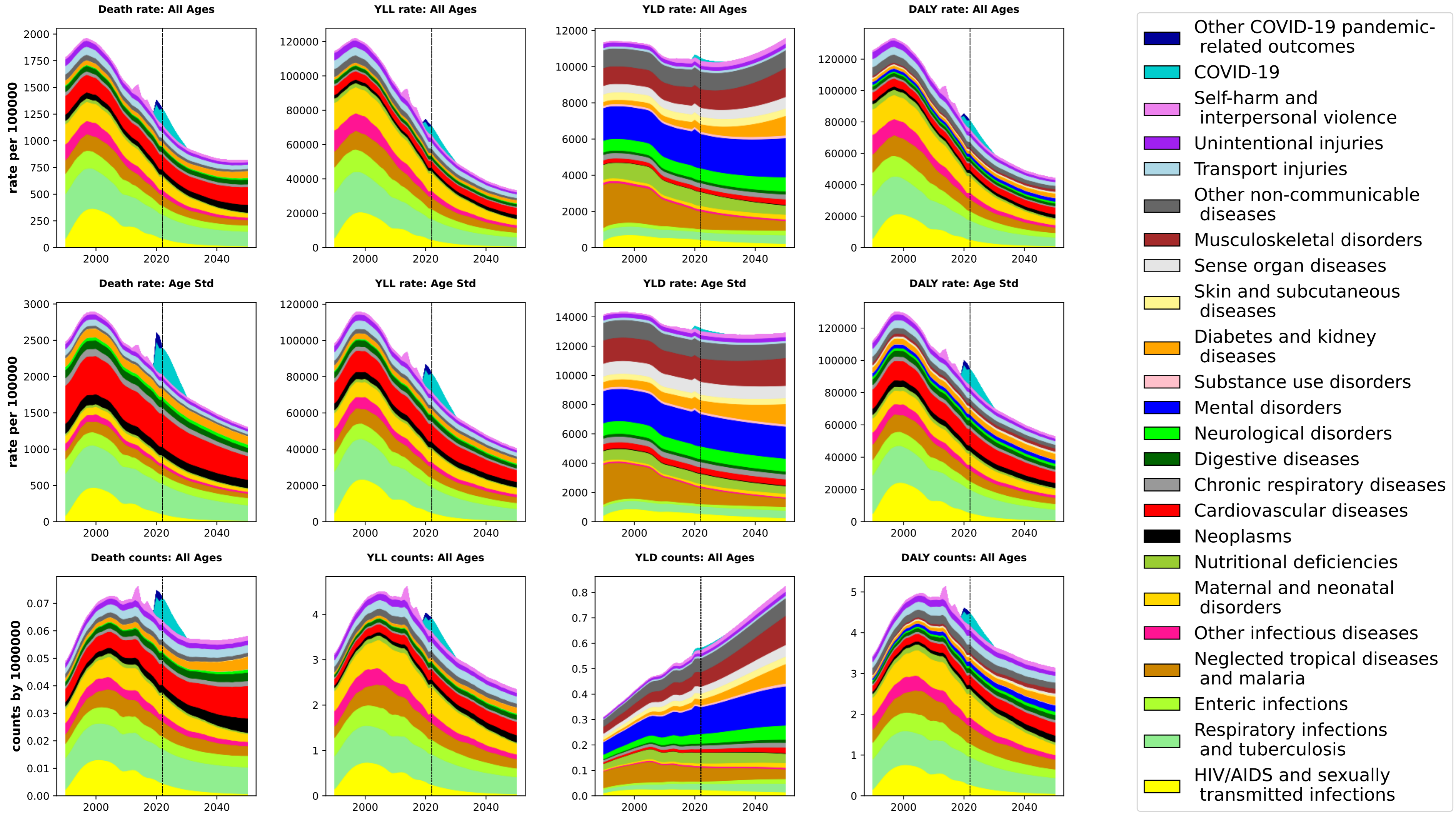
# Angola



# Central African Republic

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

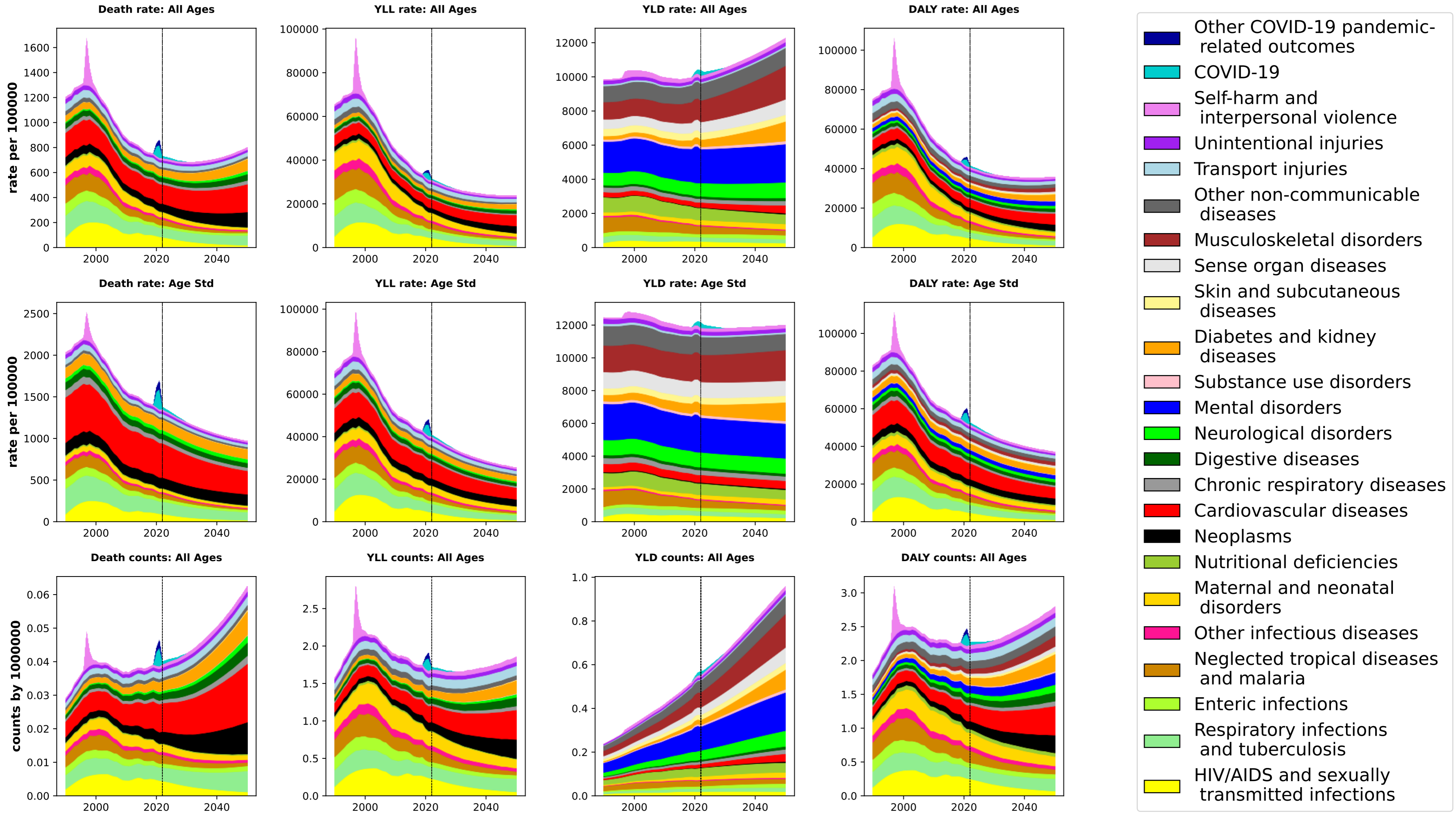
870



# Congo (Brazzaville)

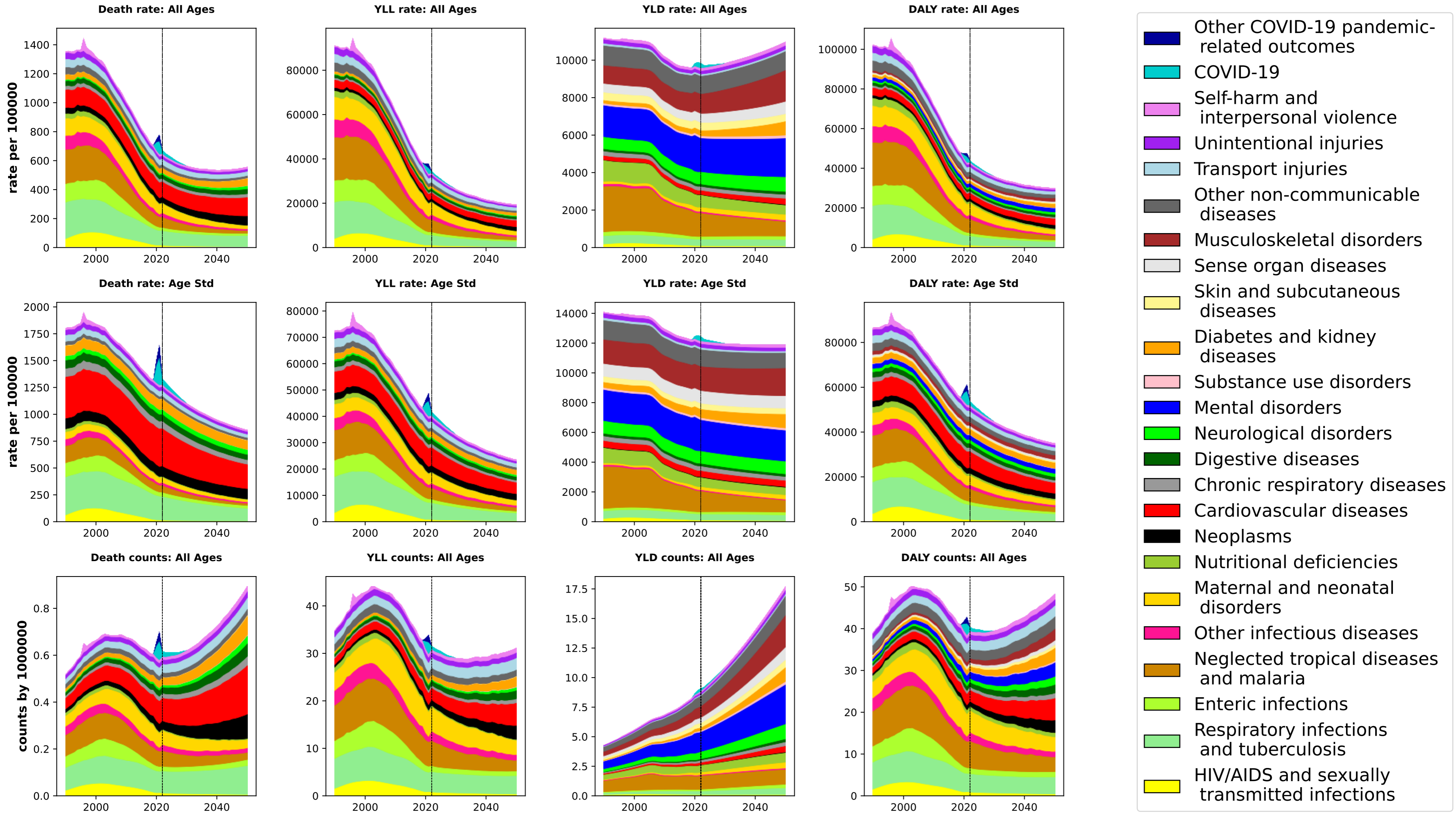
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

871

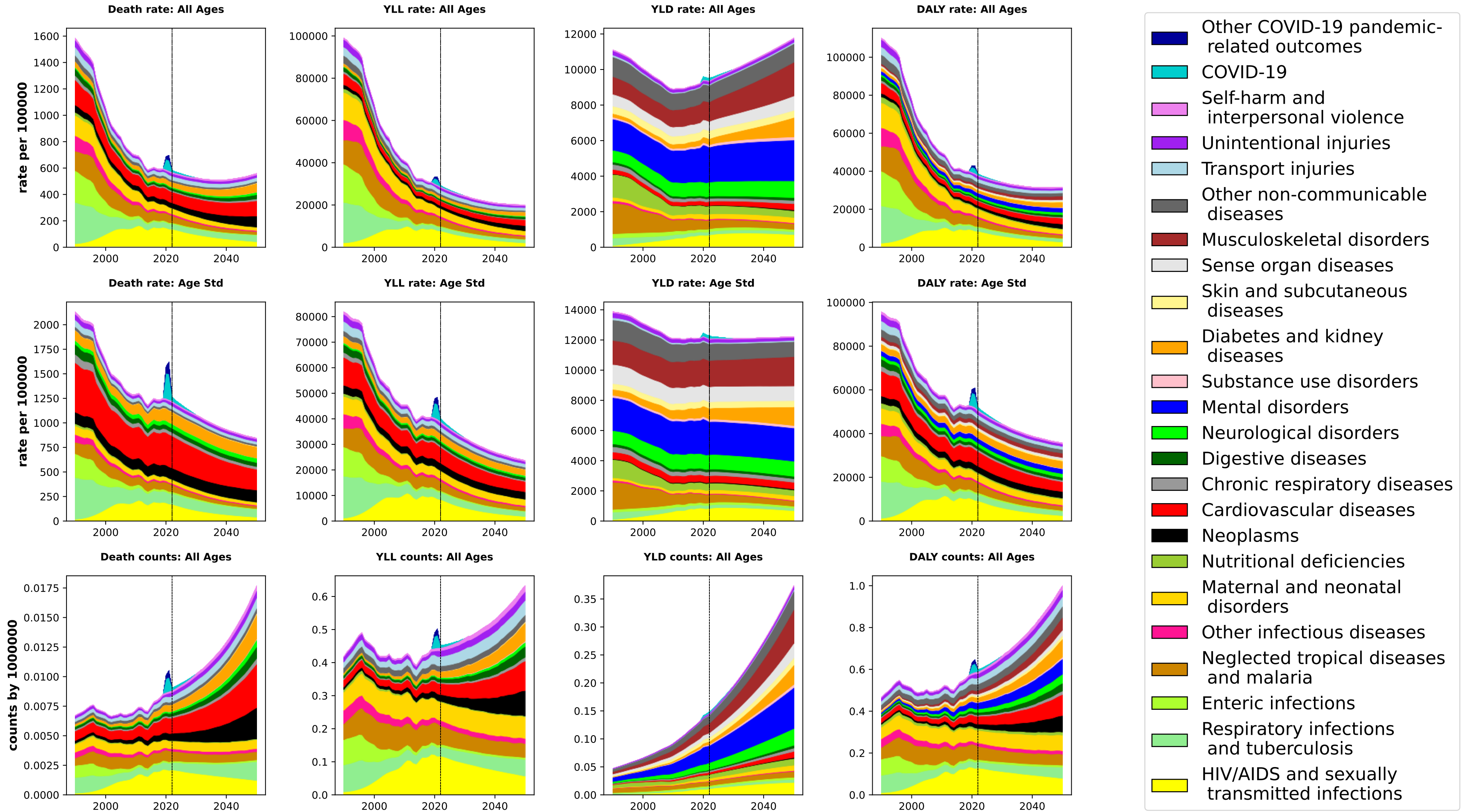




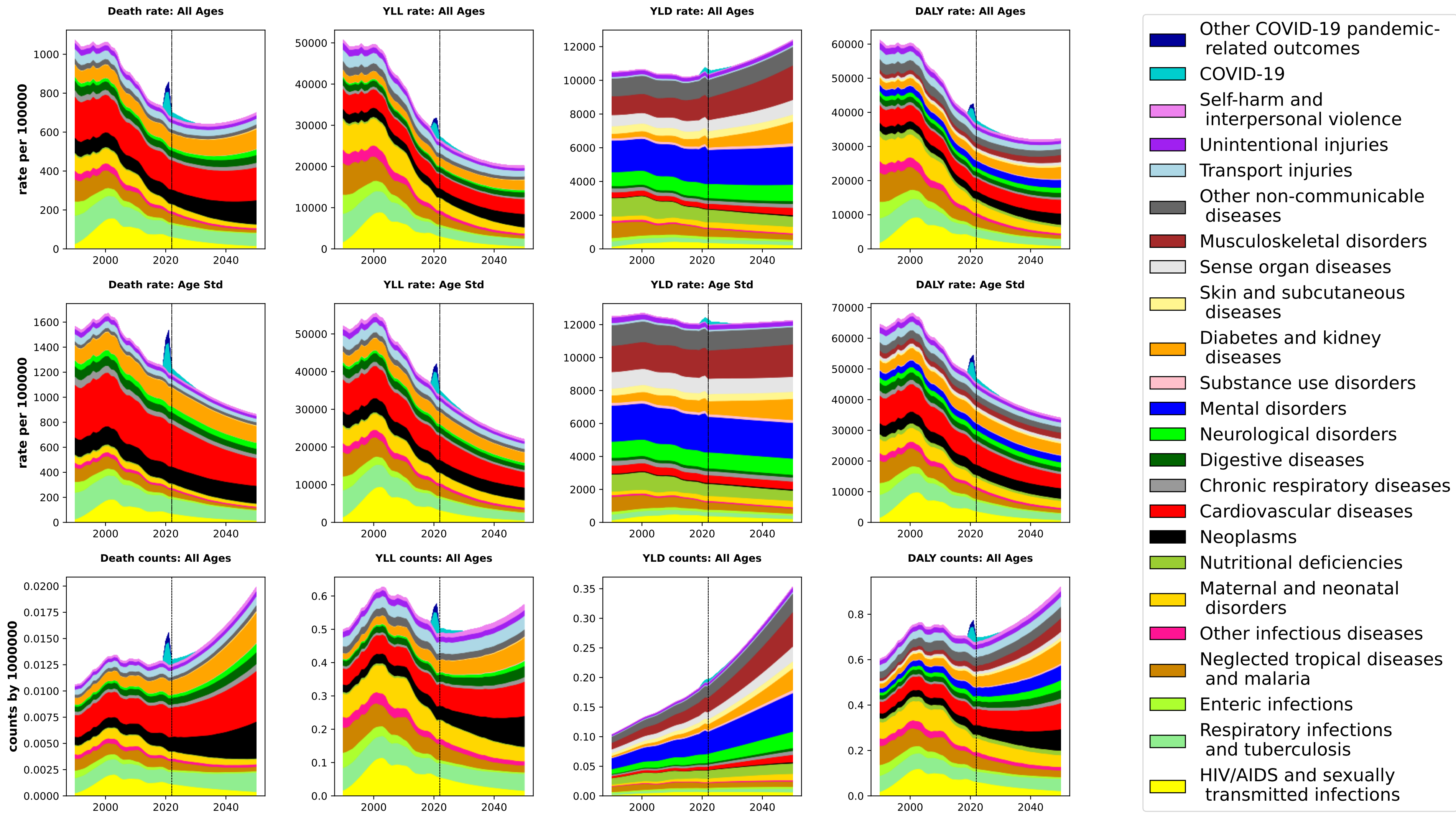
# DR Congo



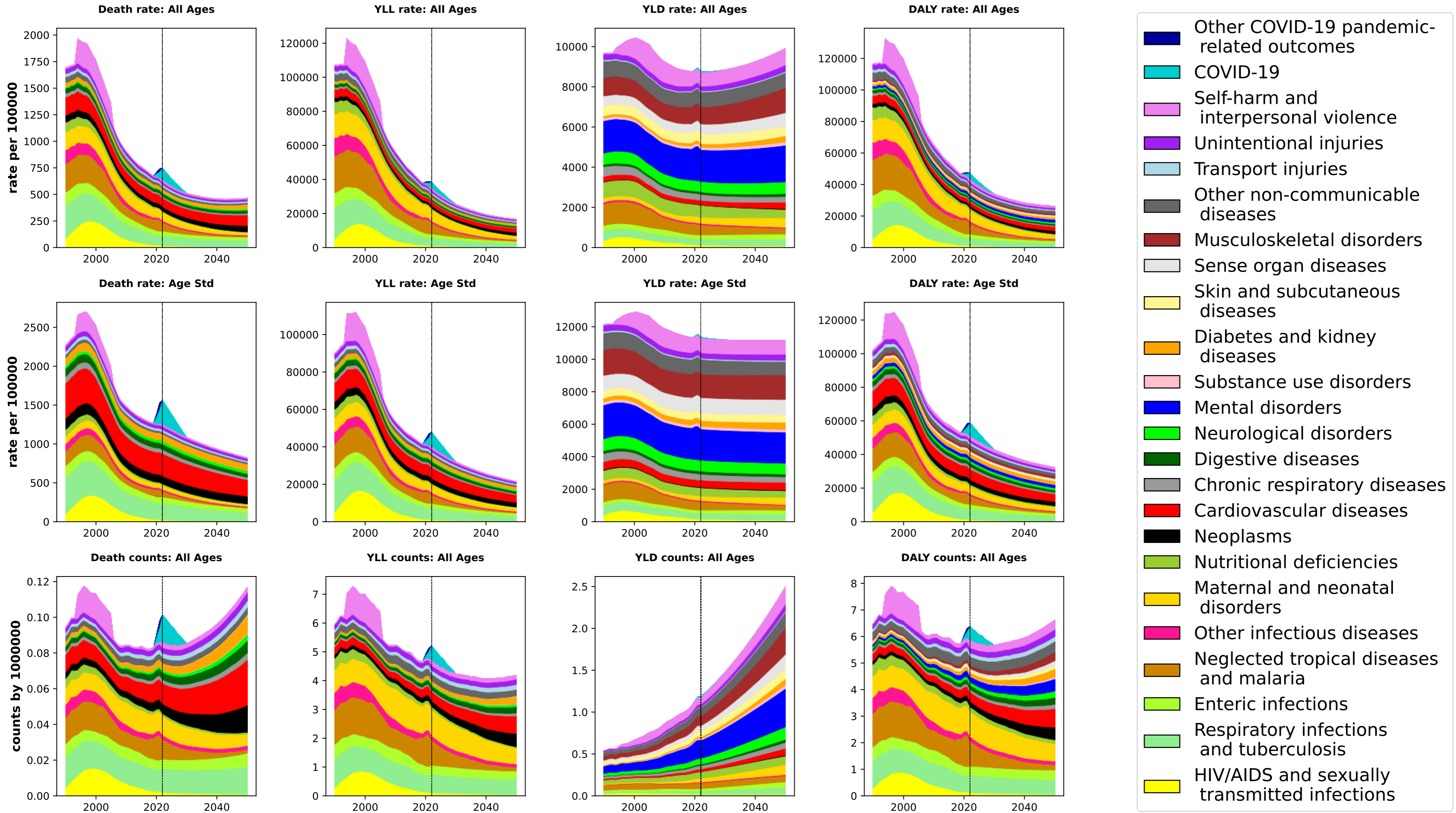
# Equatorial Guinea



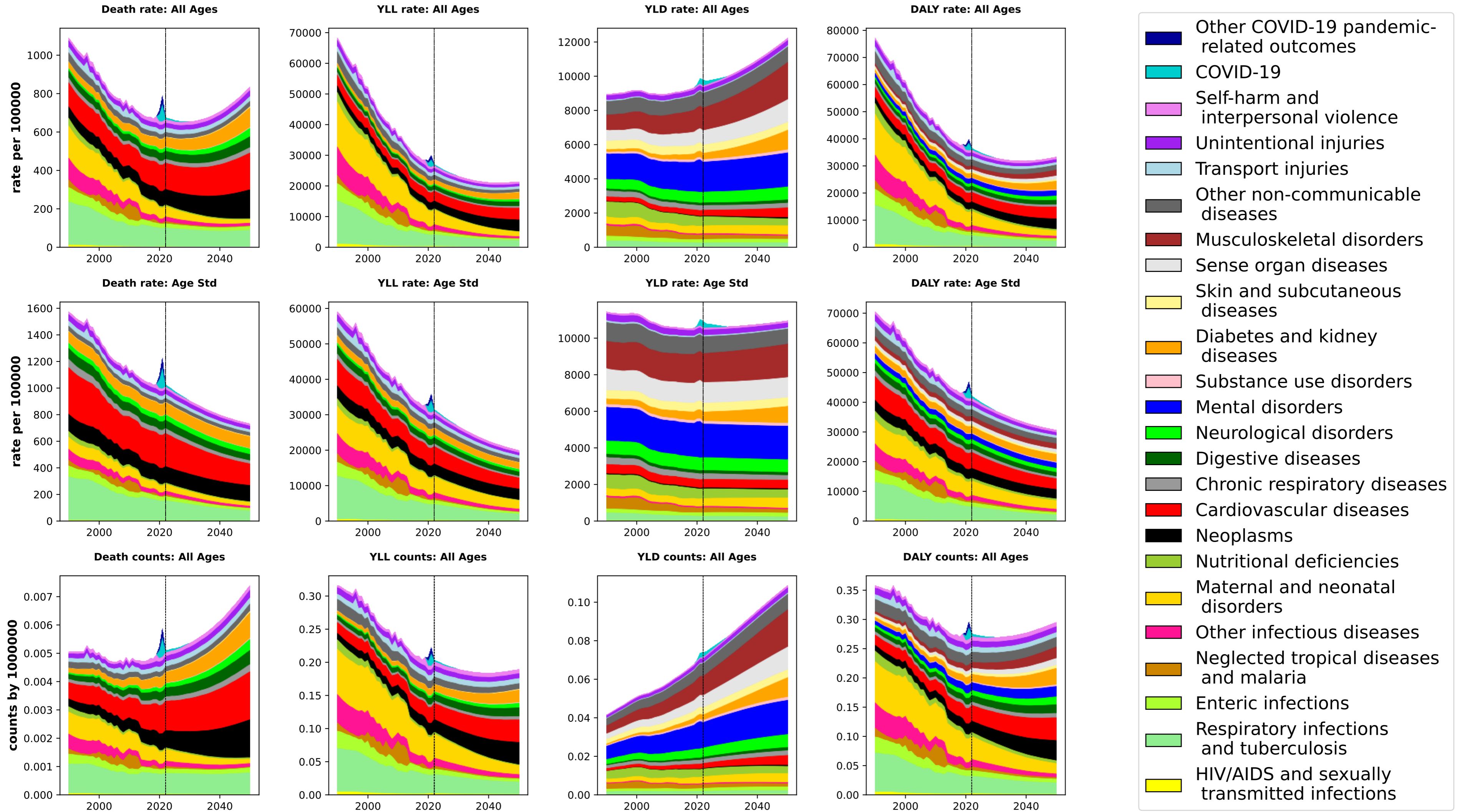
# Gabon



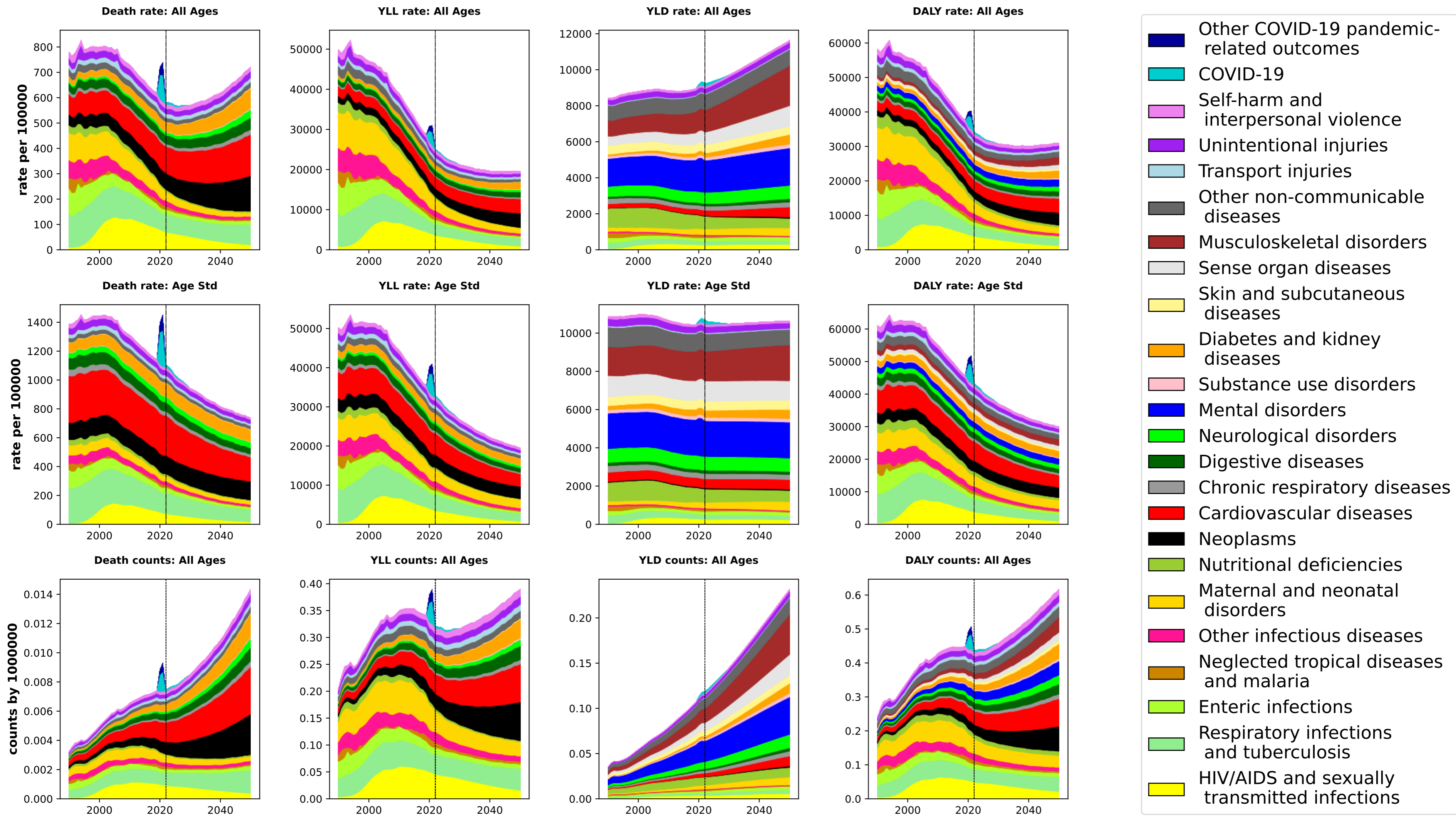
# Burundi



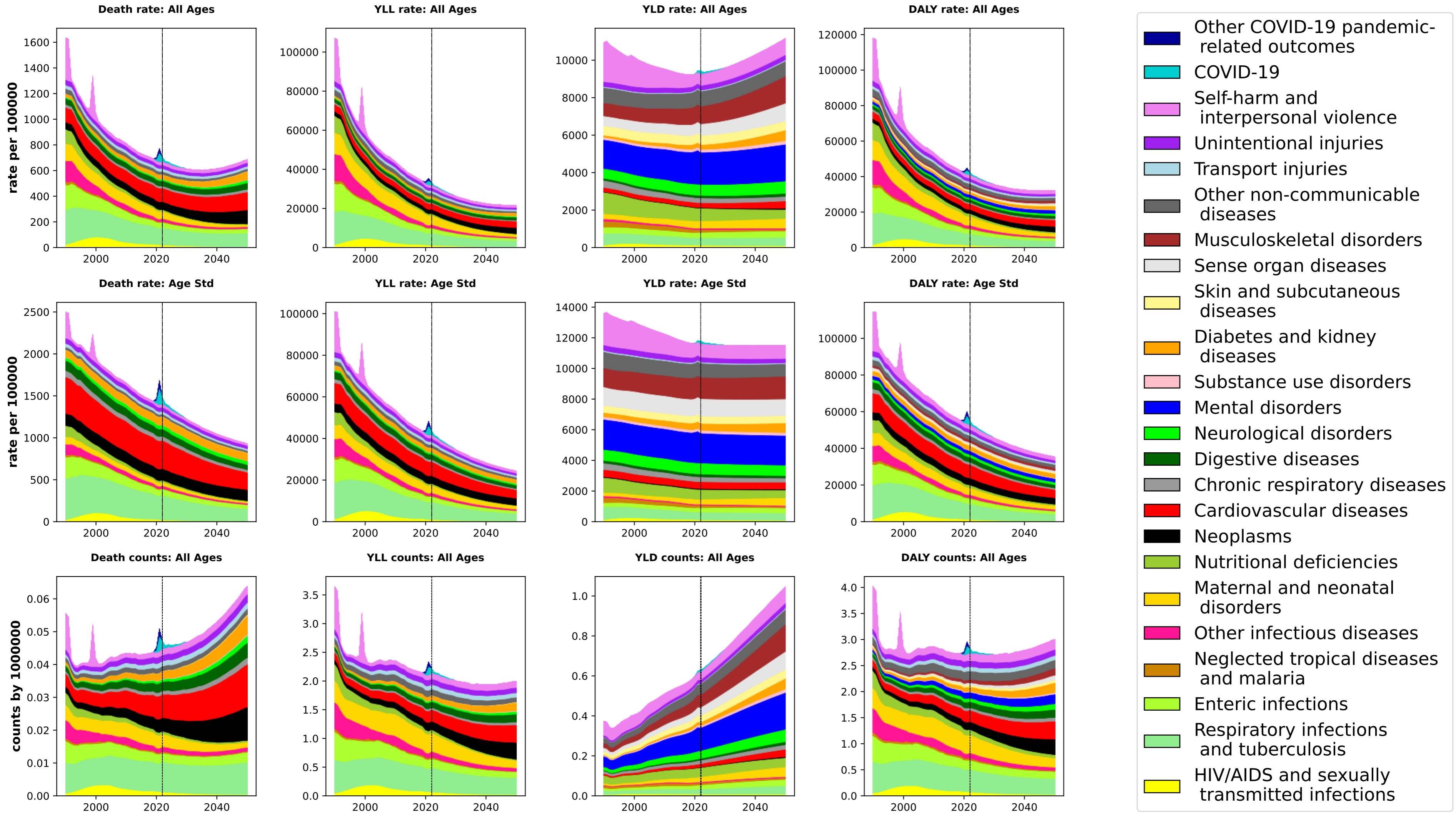
# Comoros



# Djibouti



# Eritrea



**Death rate: All Ages**

**YLL rate: All Ages**

**YLD rate: All Ages**

**DALY rate: All Ages**

**Death rate: Age Std**

**YLL rate: Age Std**

**YLD rate: Age Std**

**DALY rate: Age Std**

**Death counts: All Ages**

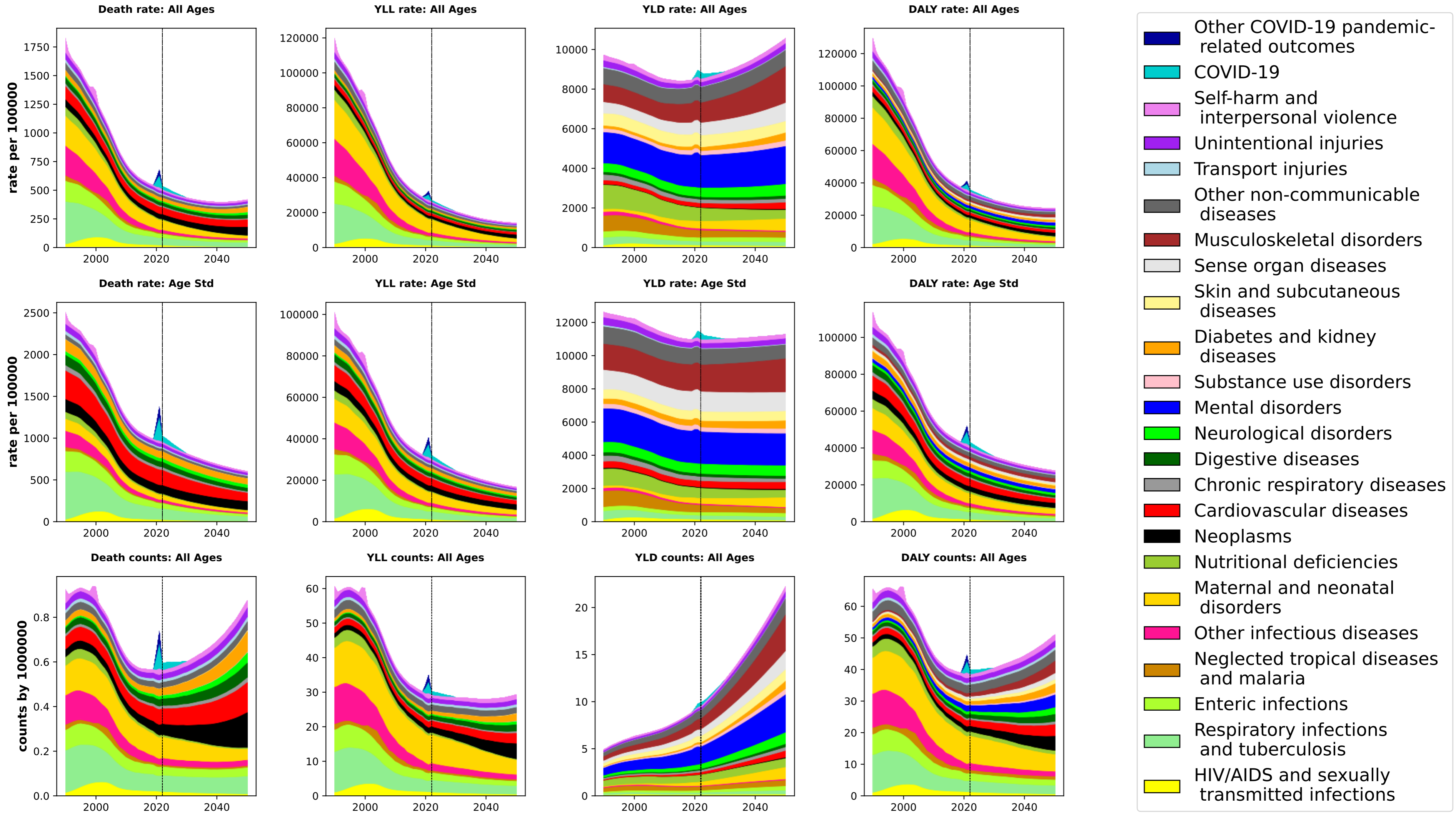
**YLL counts: All Ages**

**YLD counts: All Ages**

**DALY counts: All Ages**

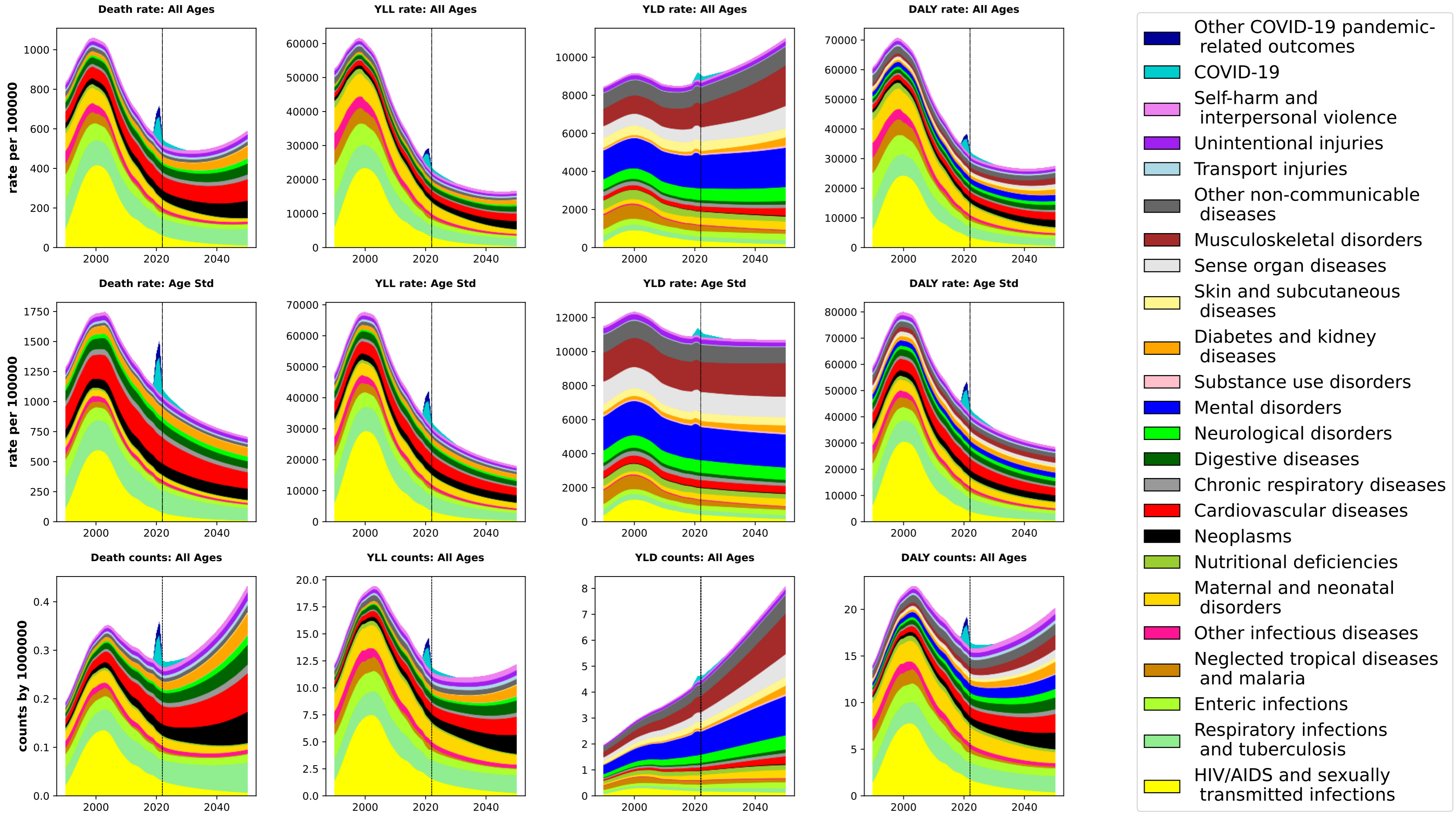
- Other COVID-19 pandemic-related outcomes
- COVID-19
- Self-harm and interpersonal violence
- Unintentional injuries
- Transport injuries
- Other non-communicable diseases
- Musculoskeletal disorders
- Sense organ diseases
- Skin and subcutaneous diseases
- Diabetes and kidney diseases
- Substance use disorders
- Mental disorders
- Neurological disorders
- Digestive diseases
- Chronic respiratory diseases
- Cardiovascular diseases
- Neoplasms
- Nutritional deficiencies
- Maternal and neonatal disorders
- Other infectious diseases
- Neglected tropical diseases and malaria
- Enteric infections
- Respiratory infections and tuberculosis
- HIV/AIDS and sexually transmitted infections

# Ethiopia

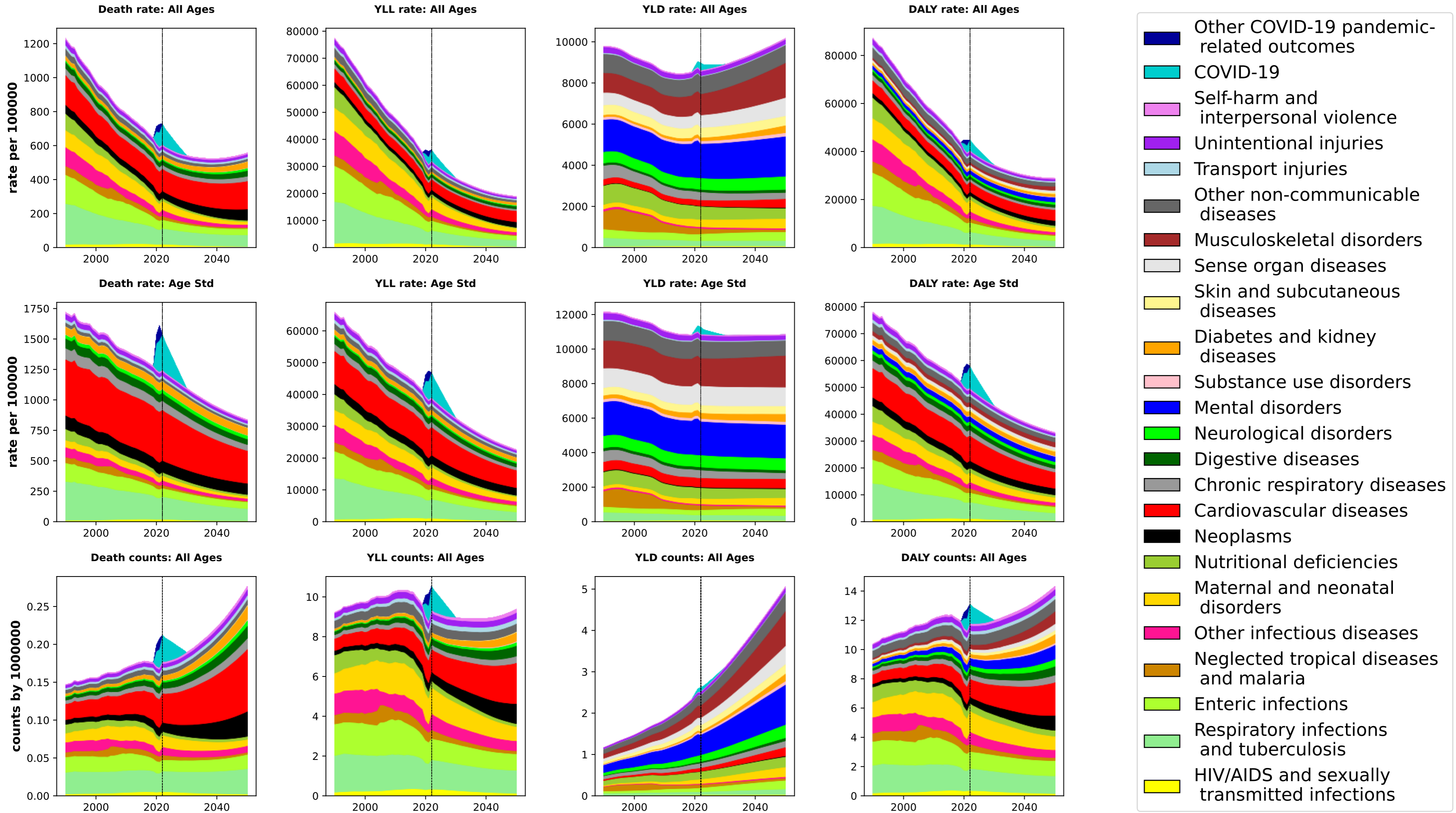




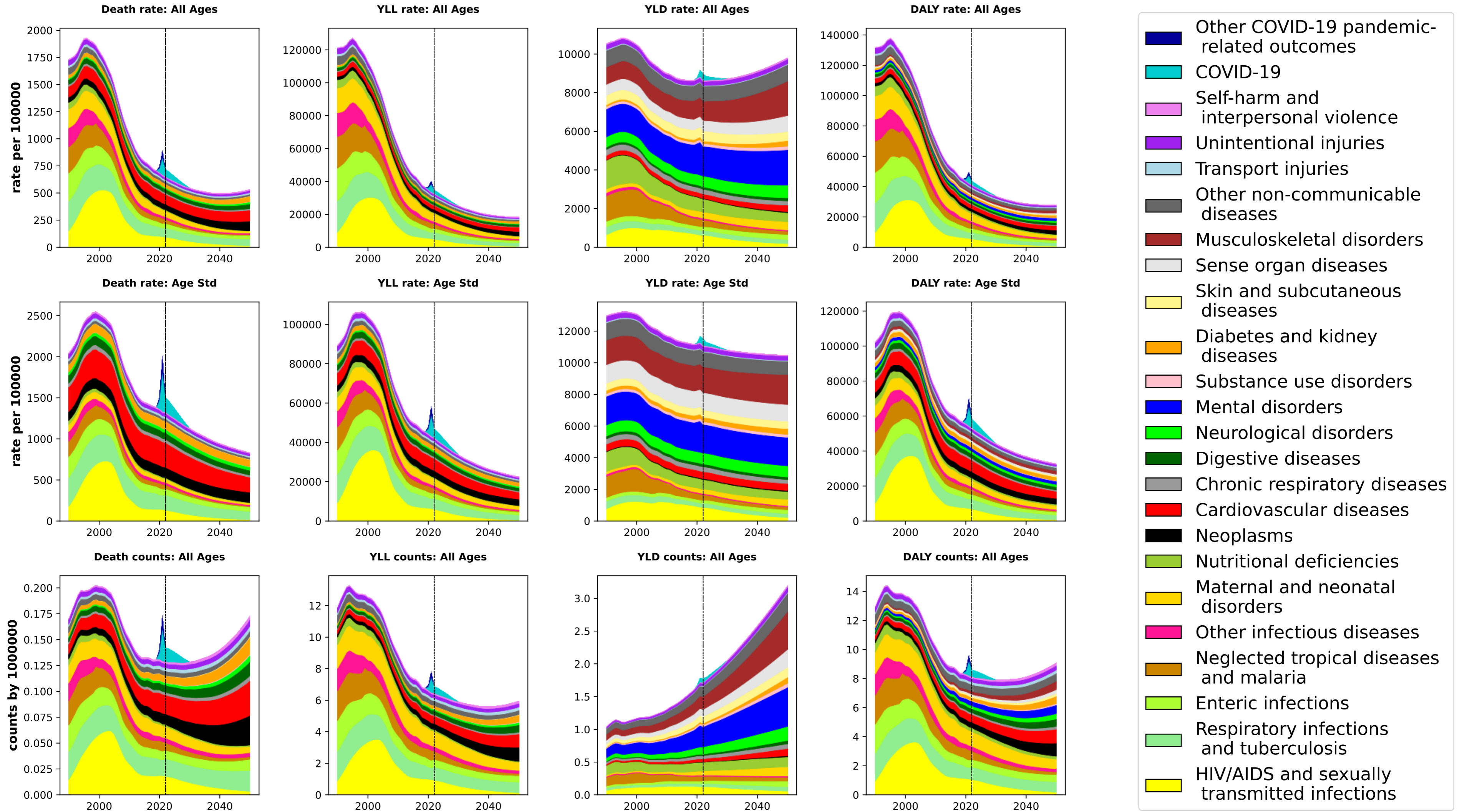
# Kenya



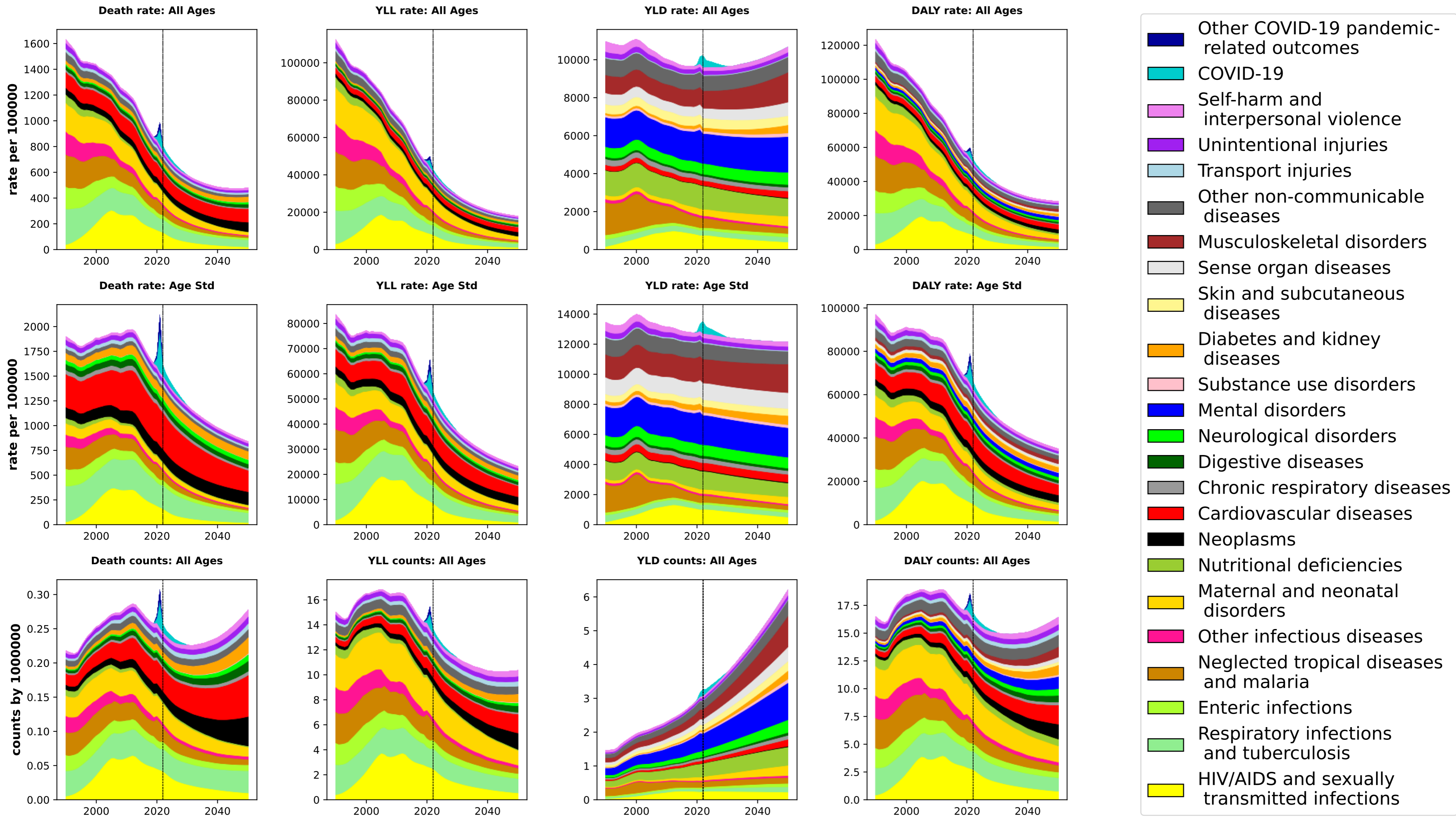
# Madagascar



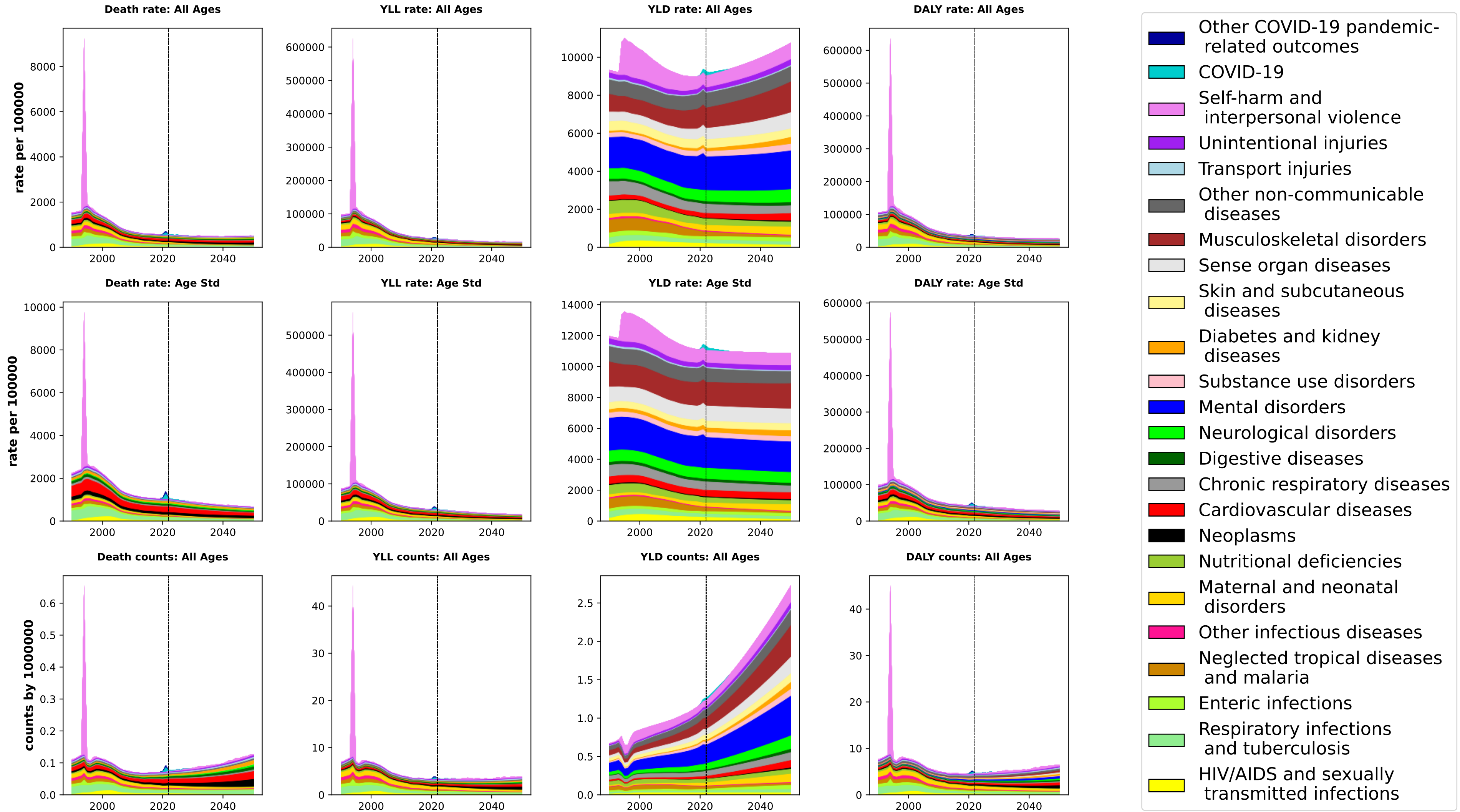
# Malawi



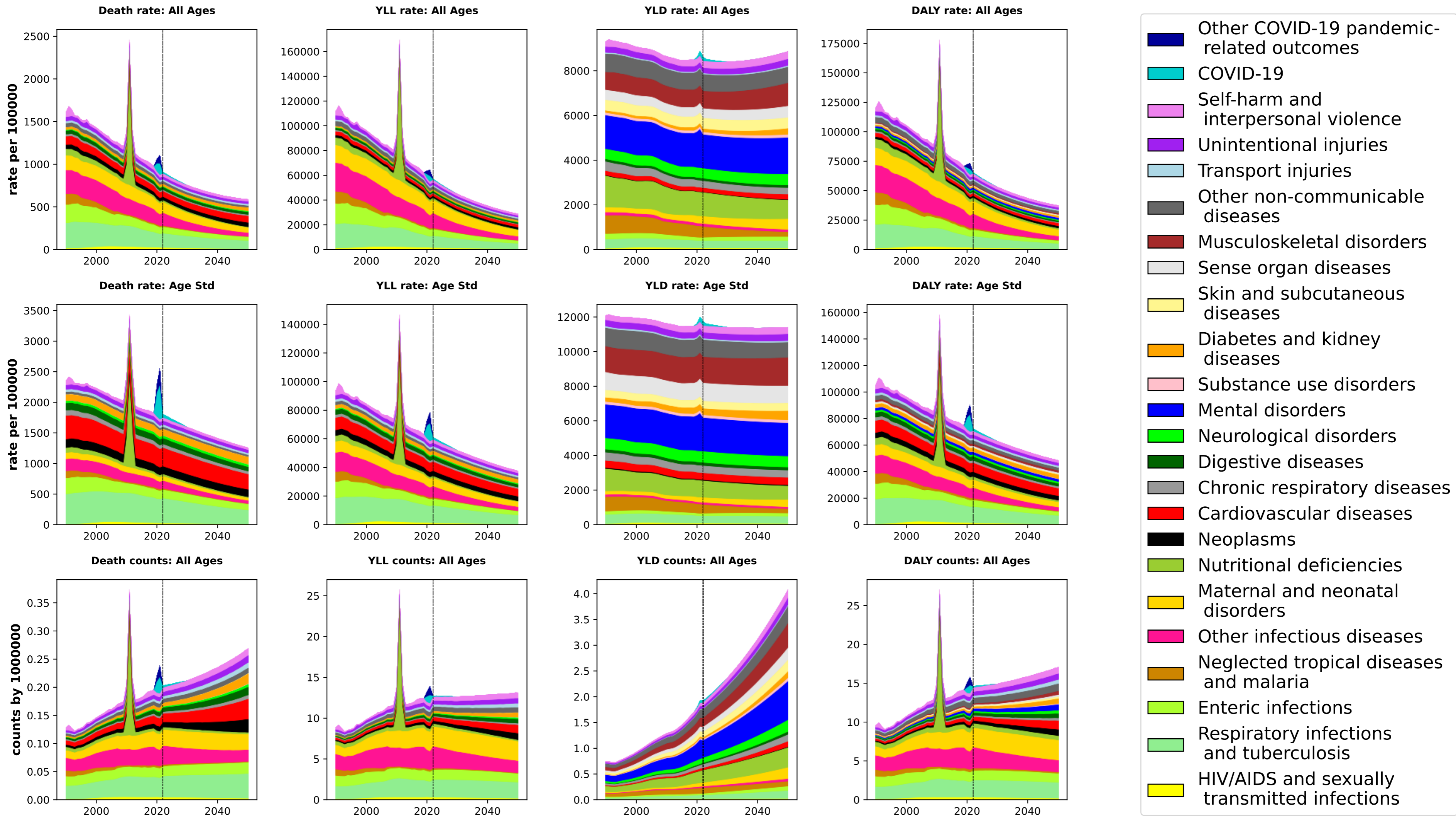
# Mozambique



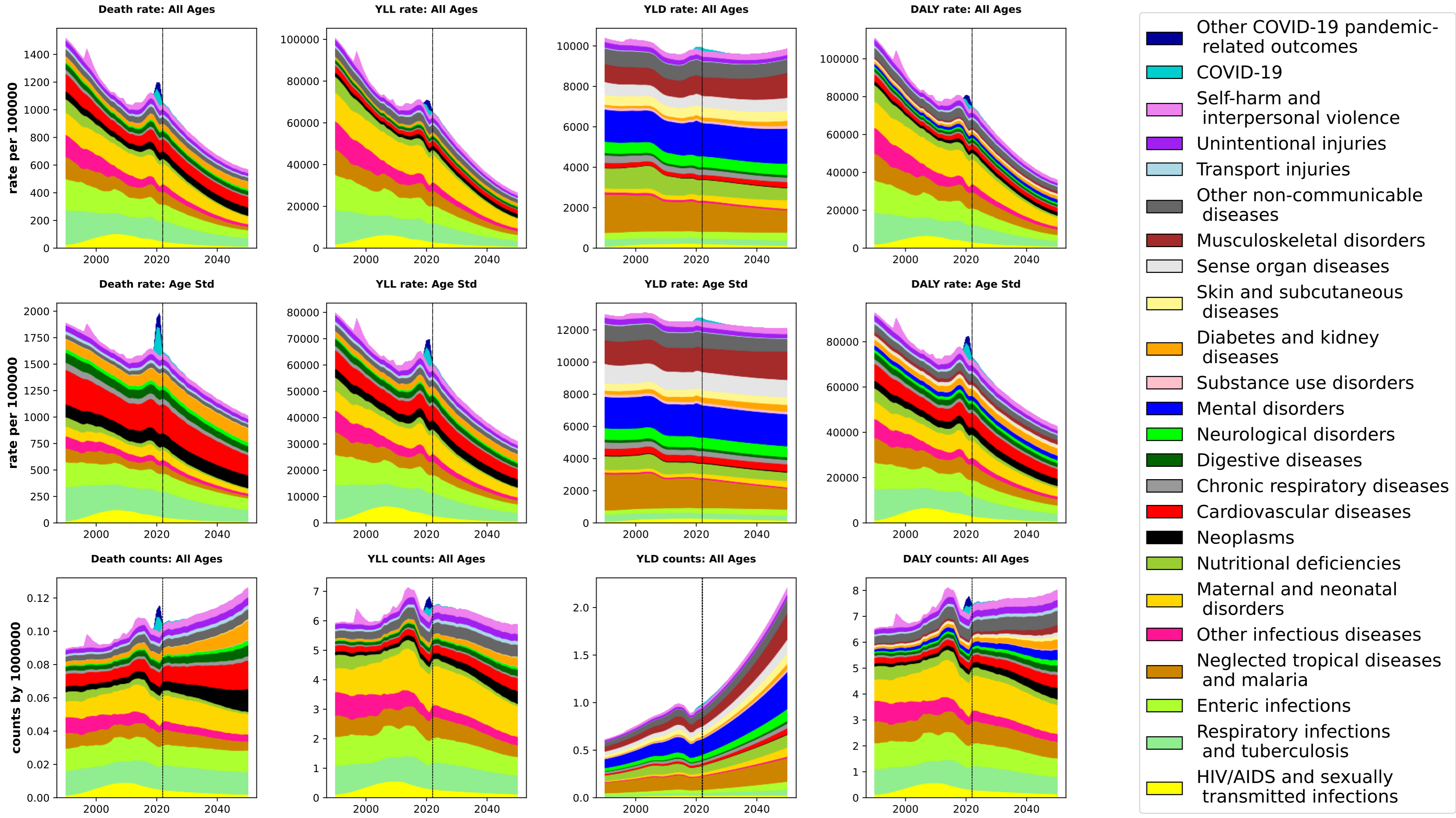
# Rwanda



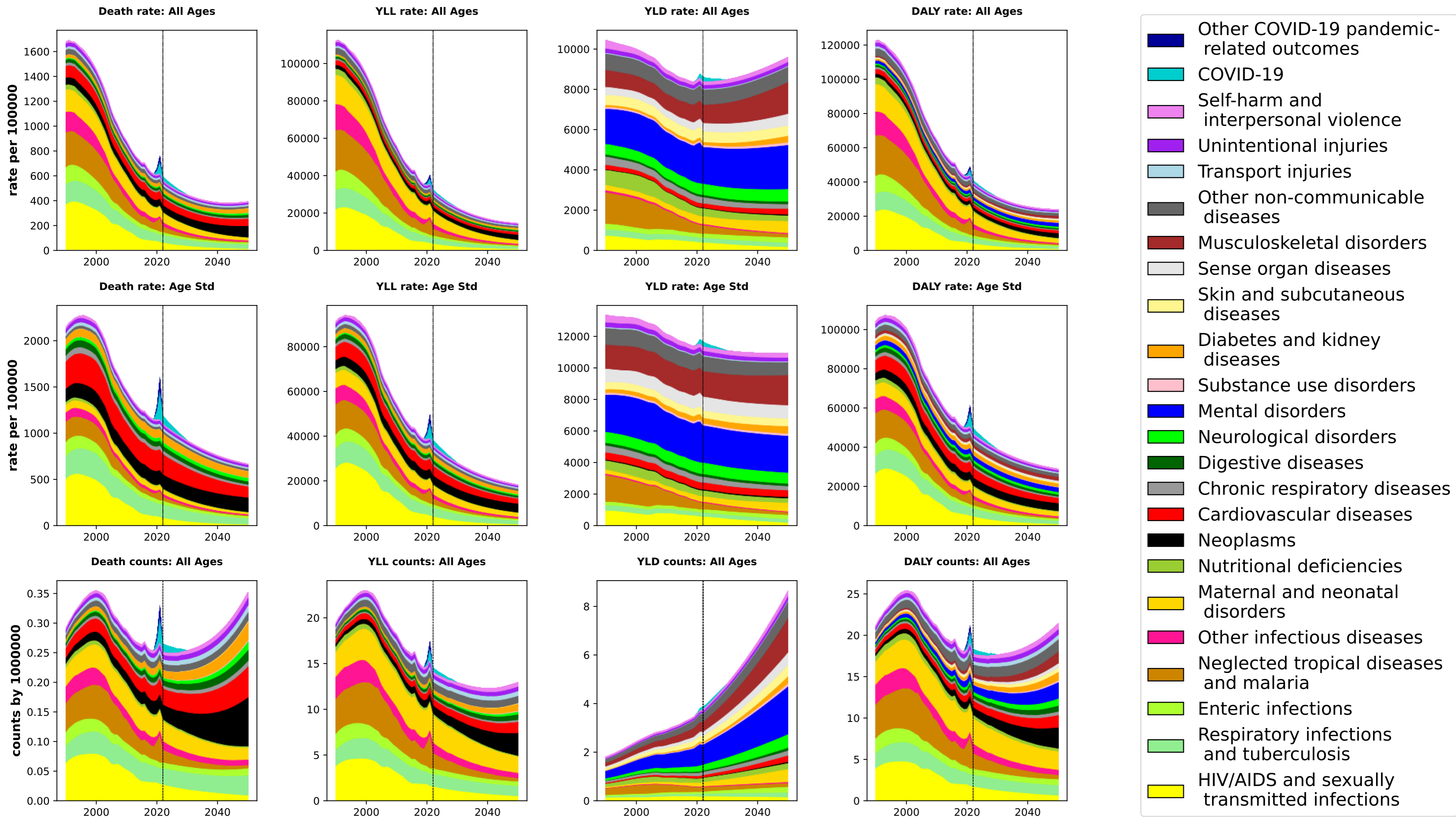
# Somalia



# South Sudan

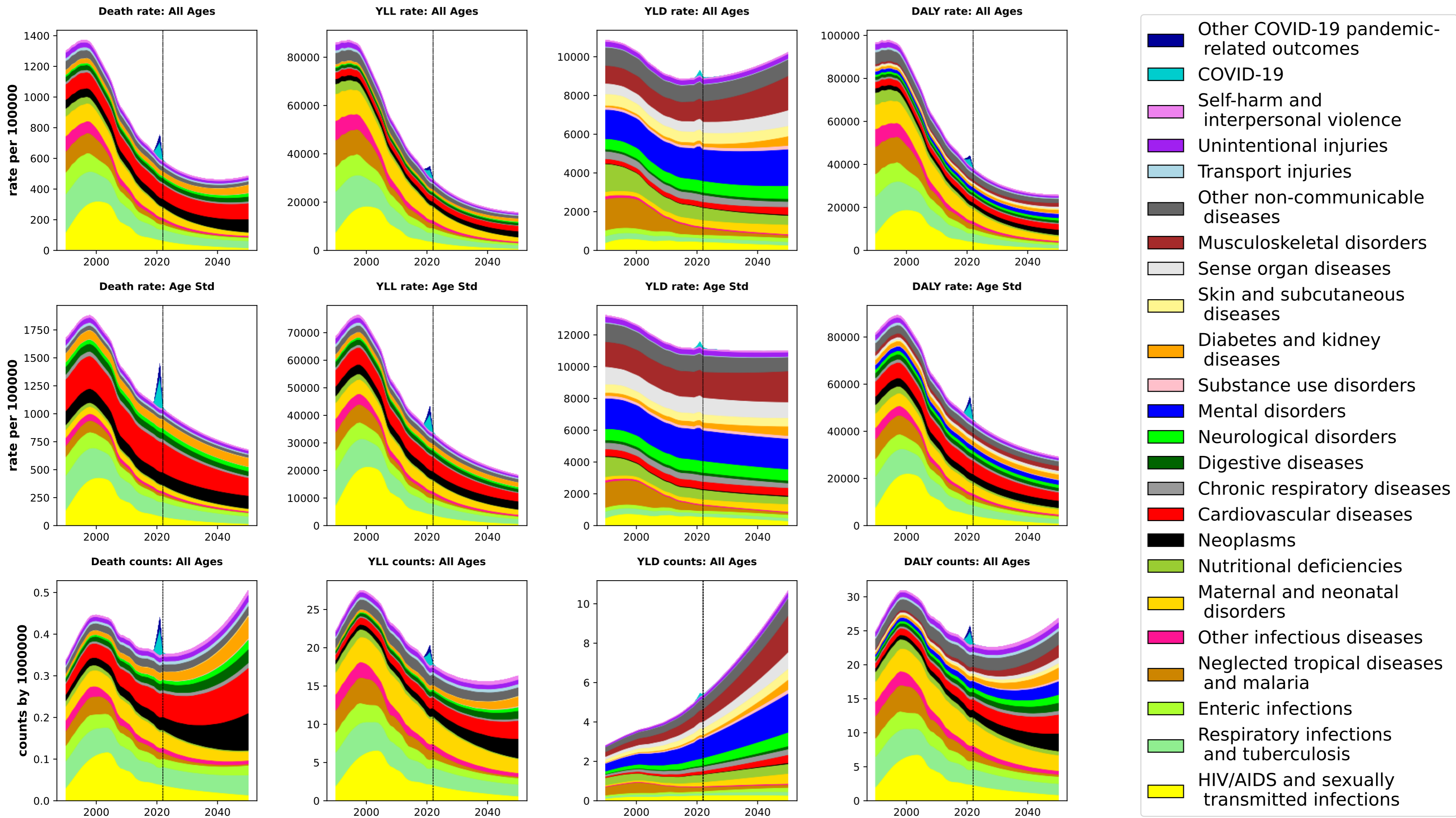


# Uganda

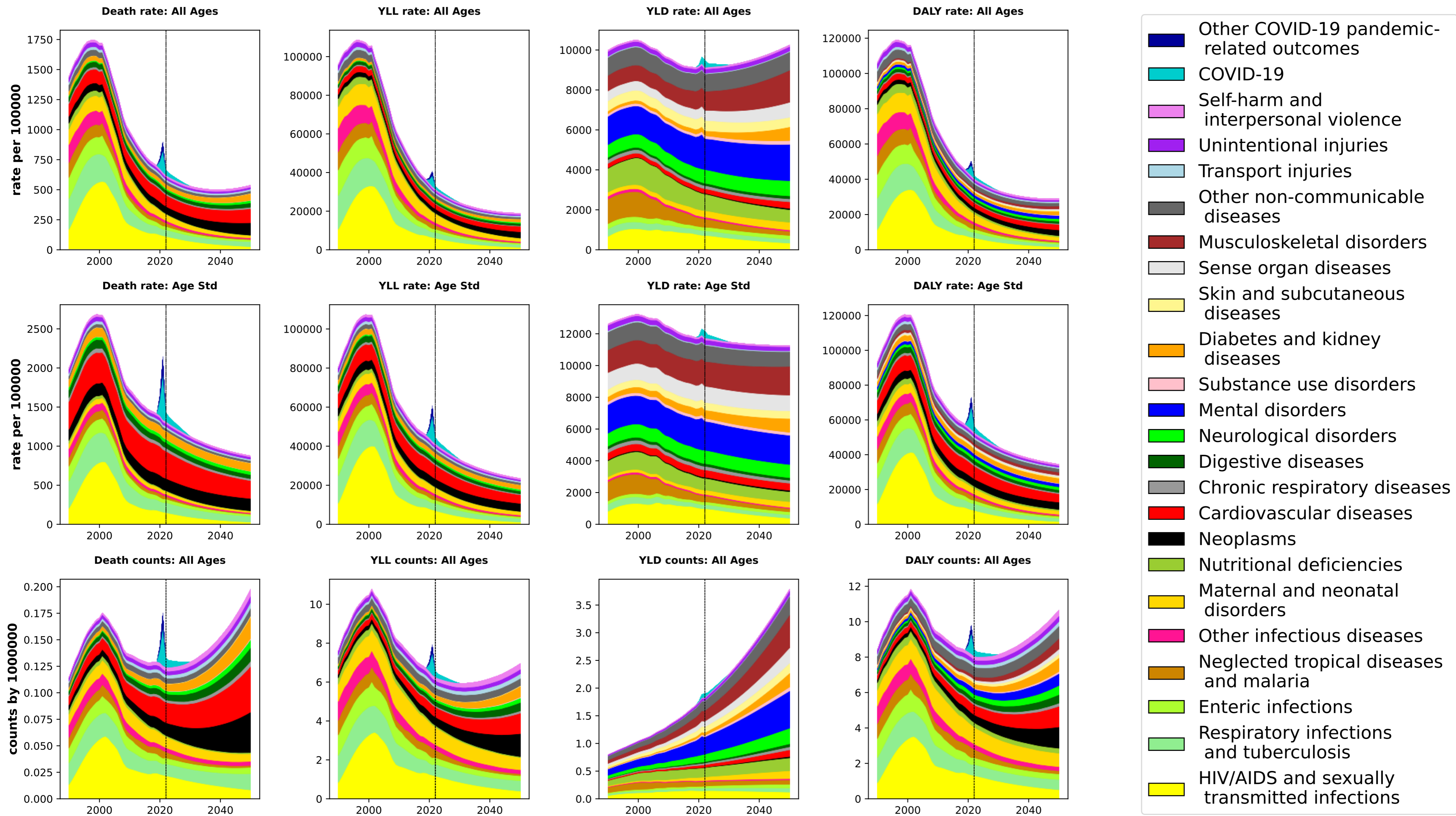




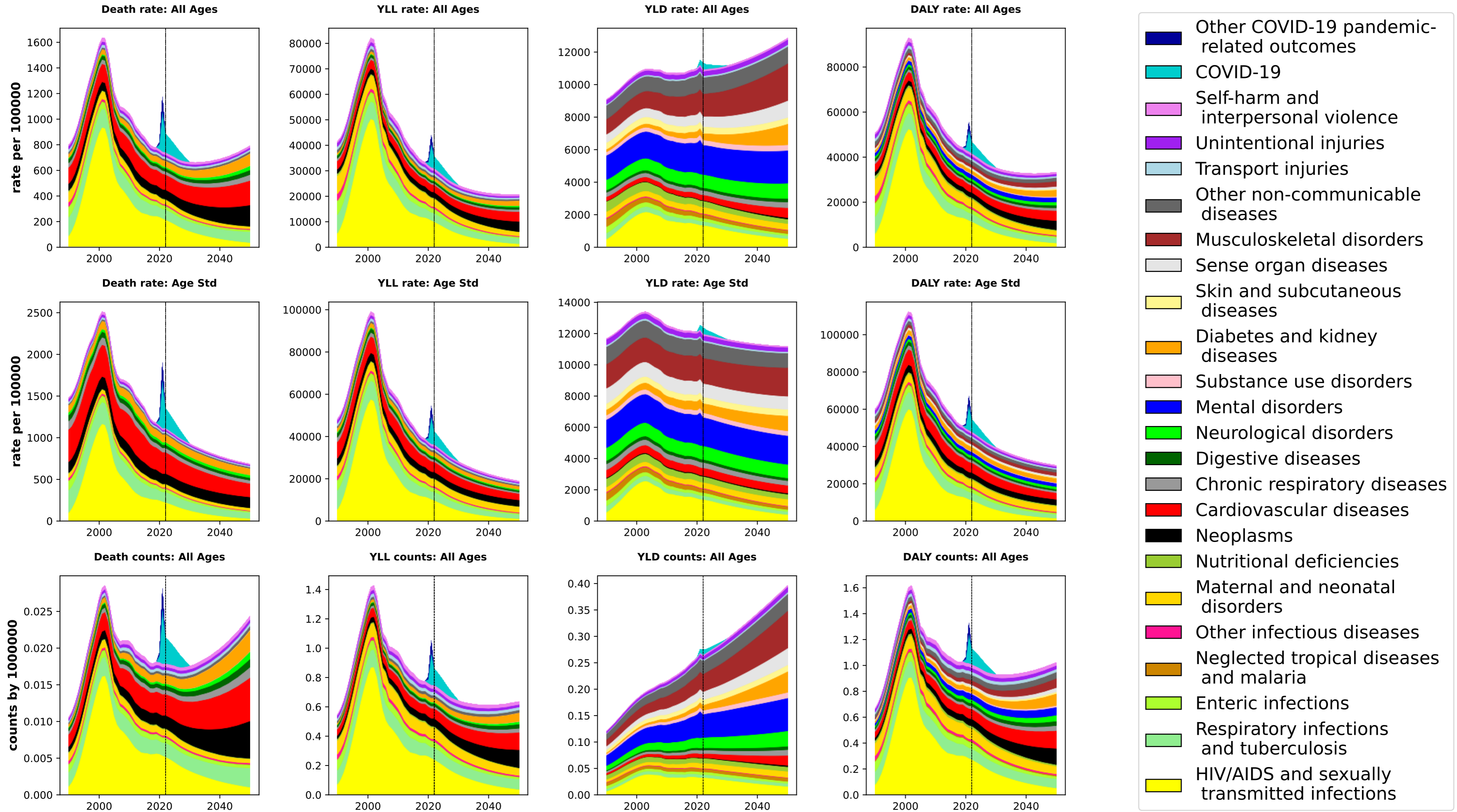
# Tanzania



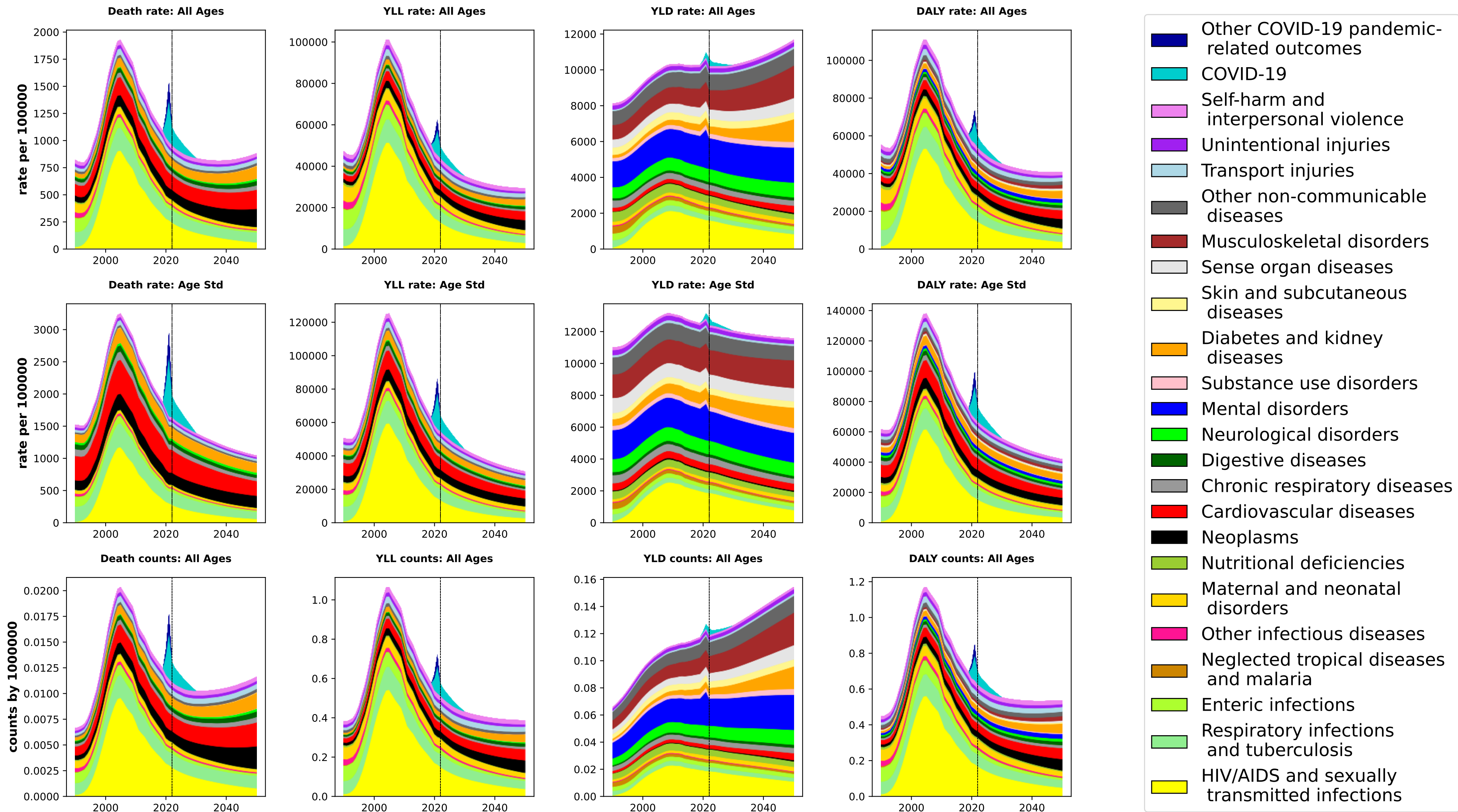
# Zambia



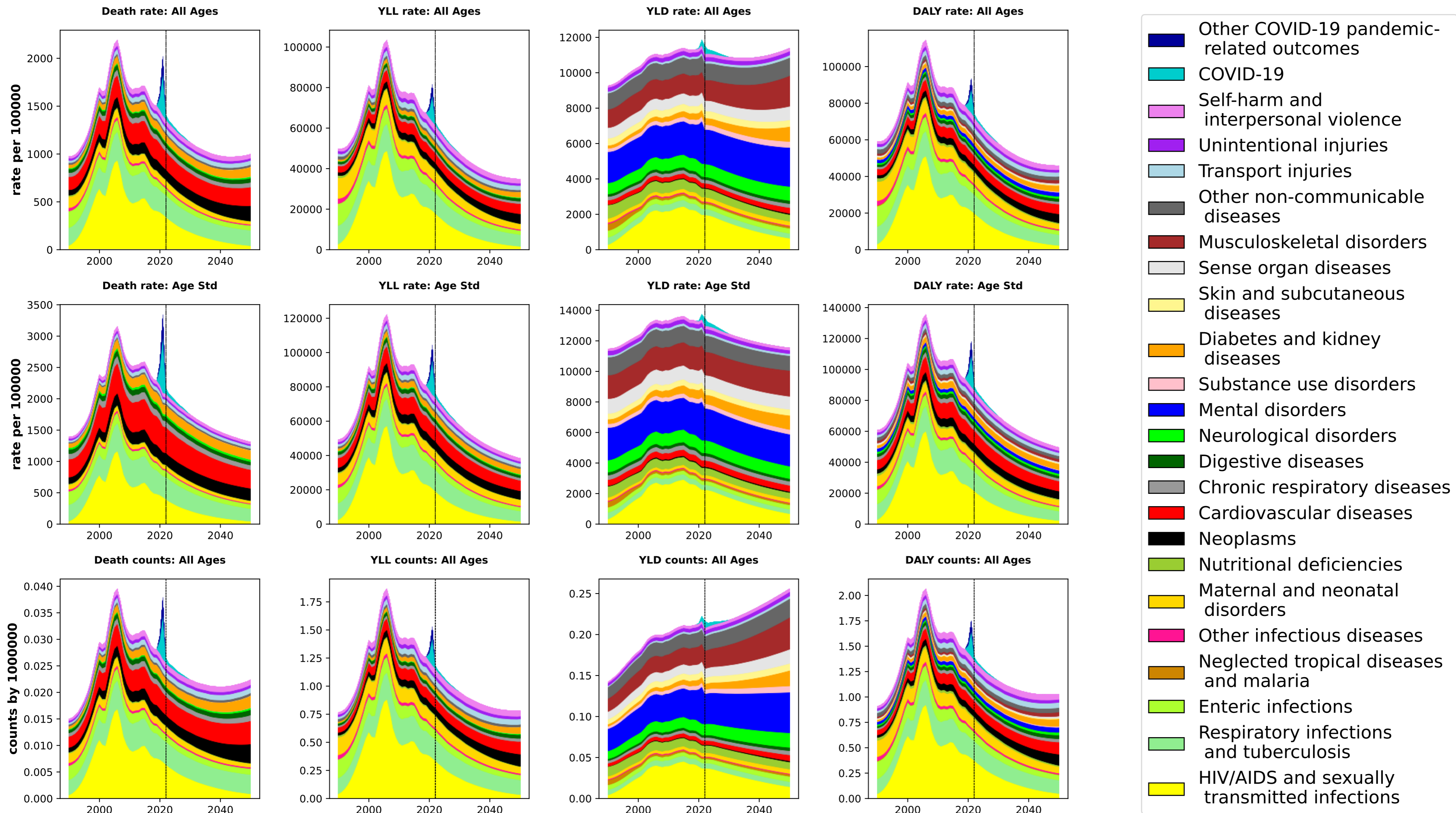
# Botswana



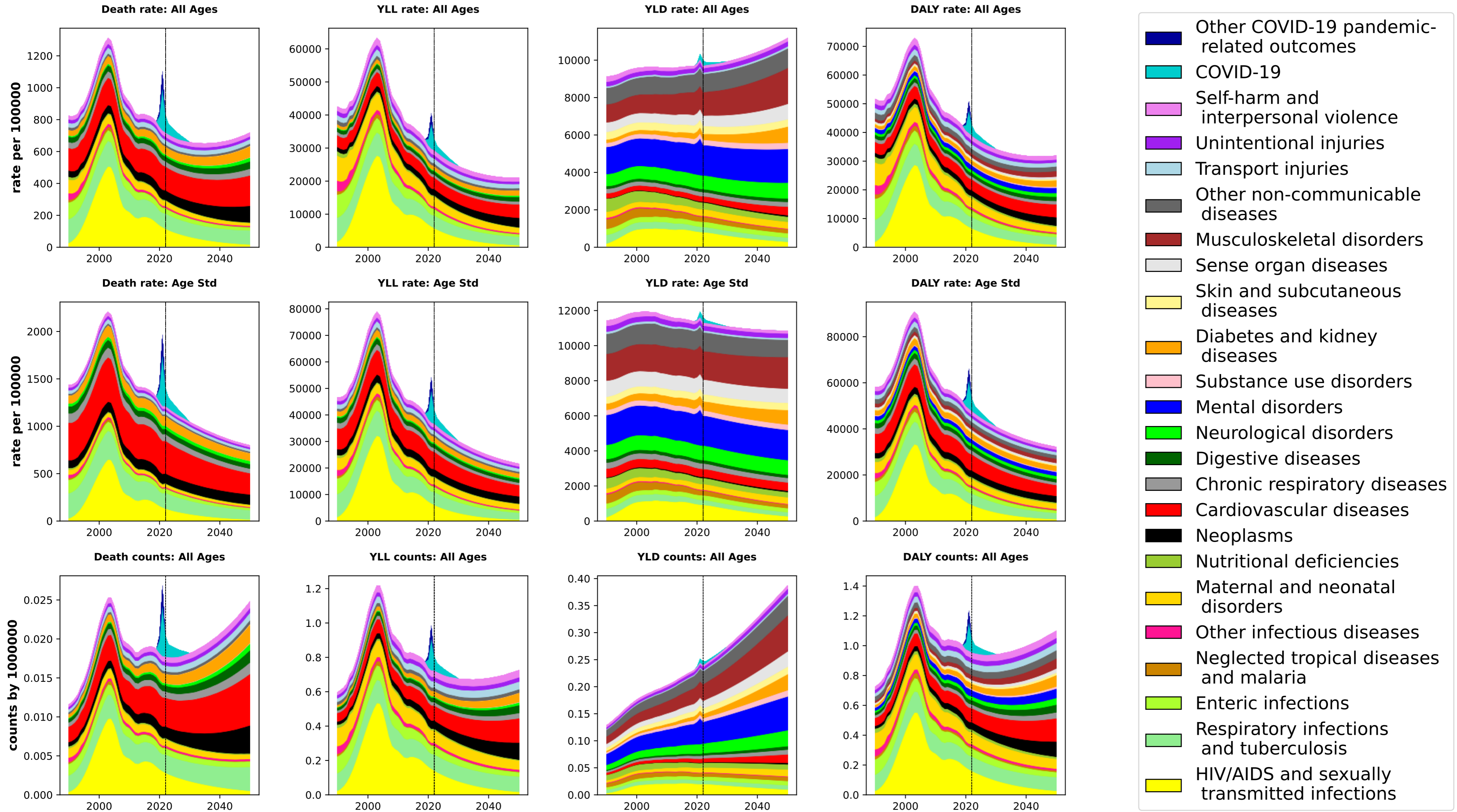
# Eswatini



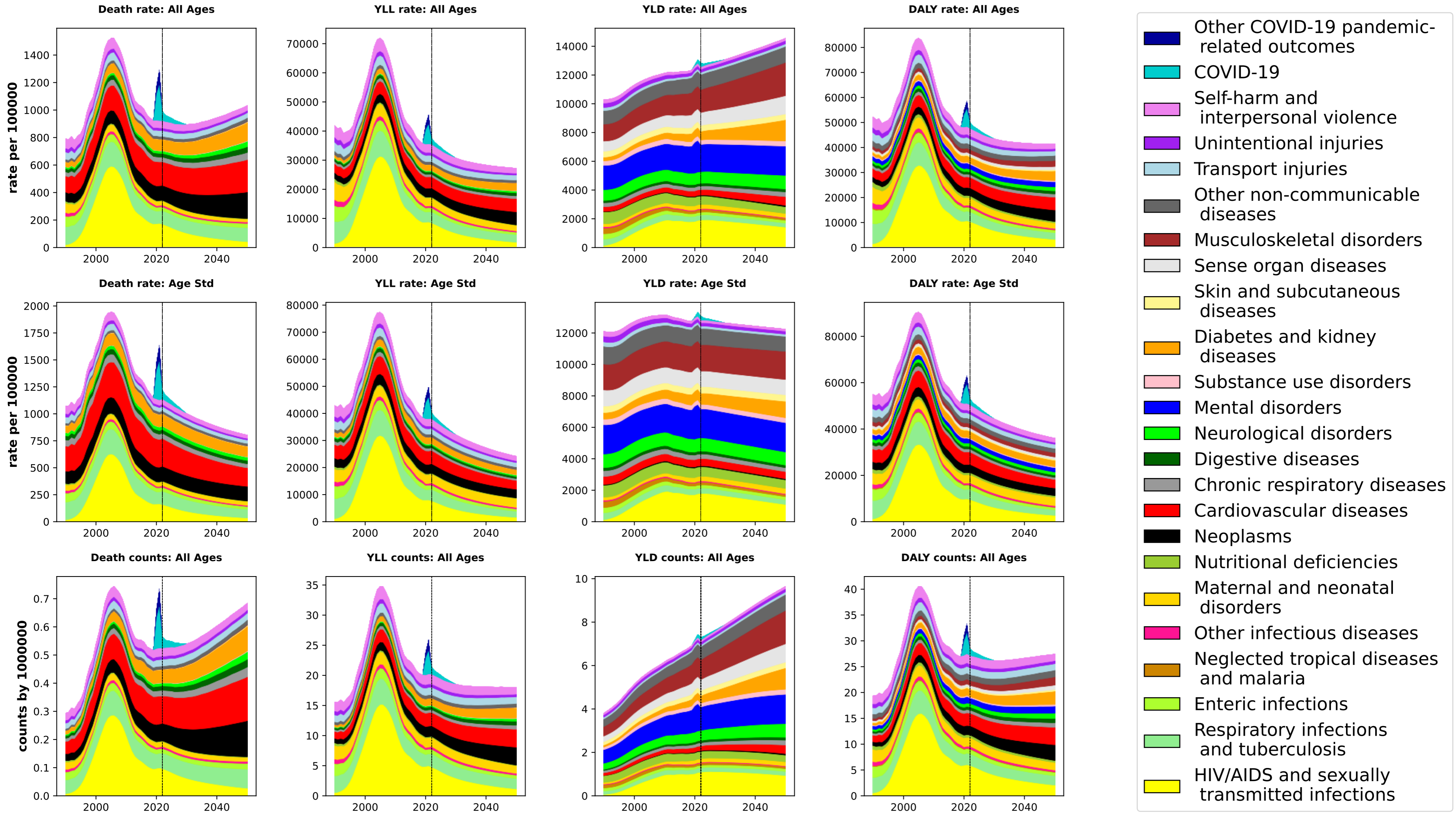
# Lesotho



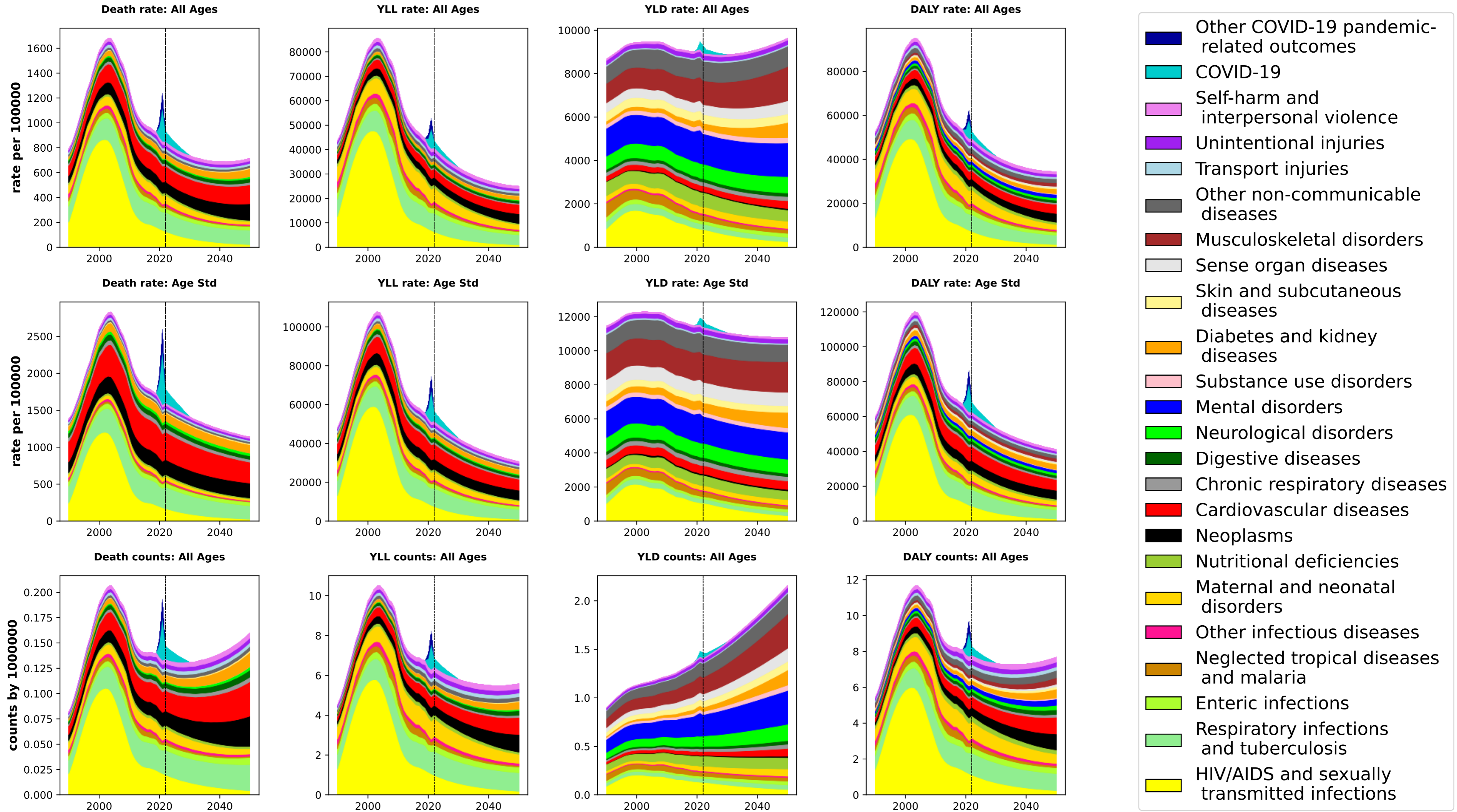
# Namibia



# South Africa

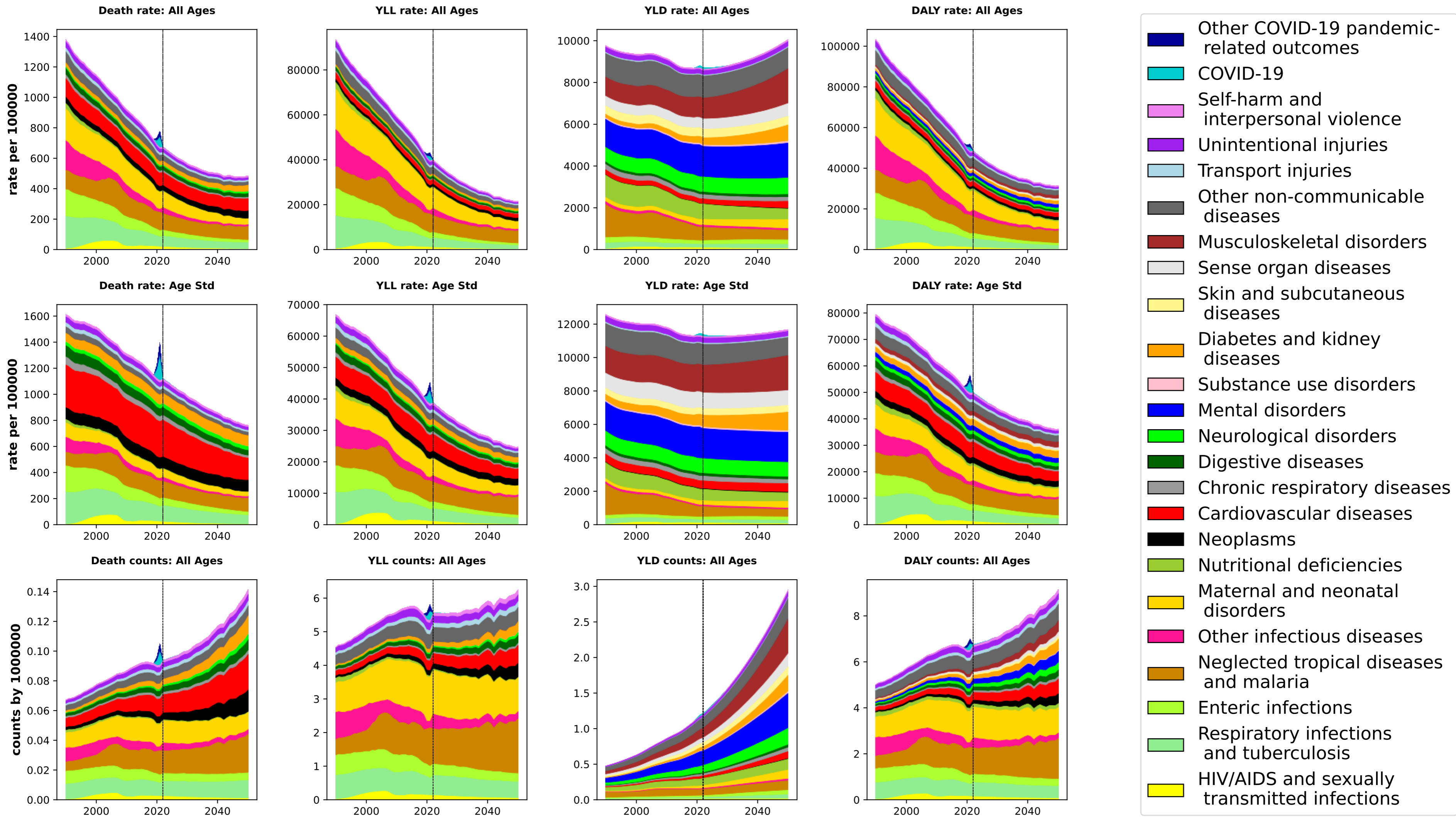


# Zimbabwe

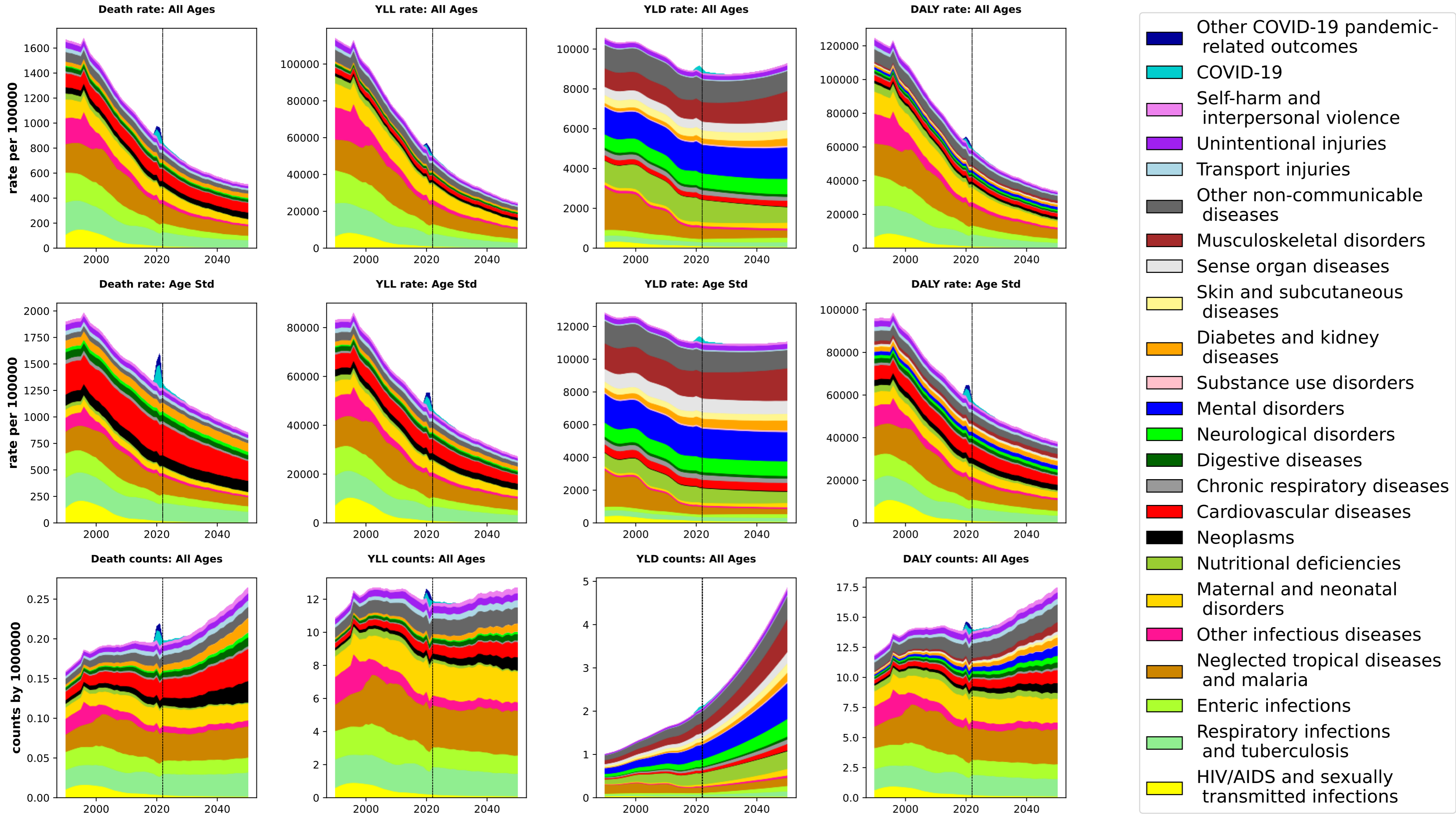




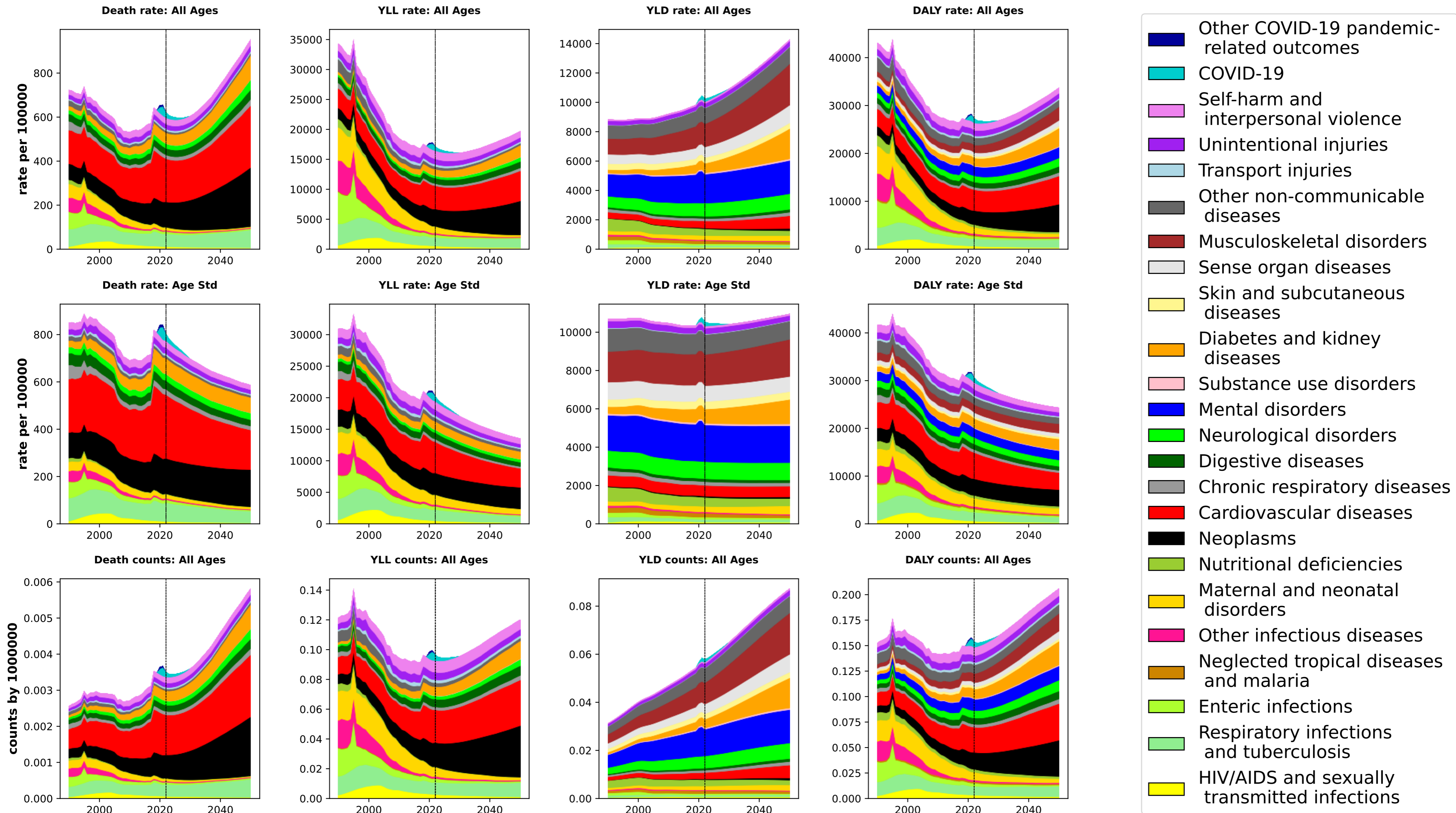
# Benin



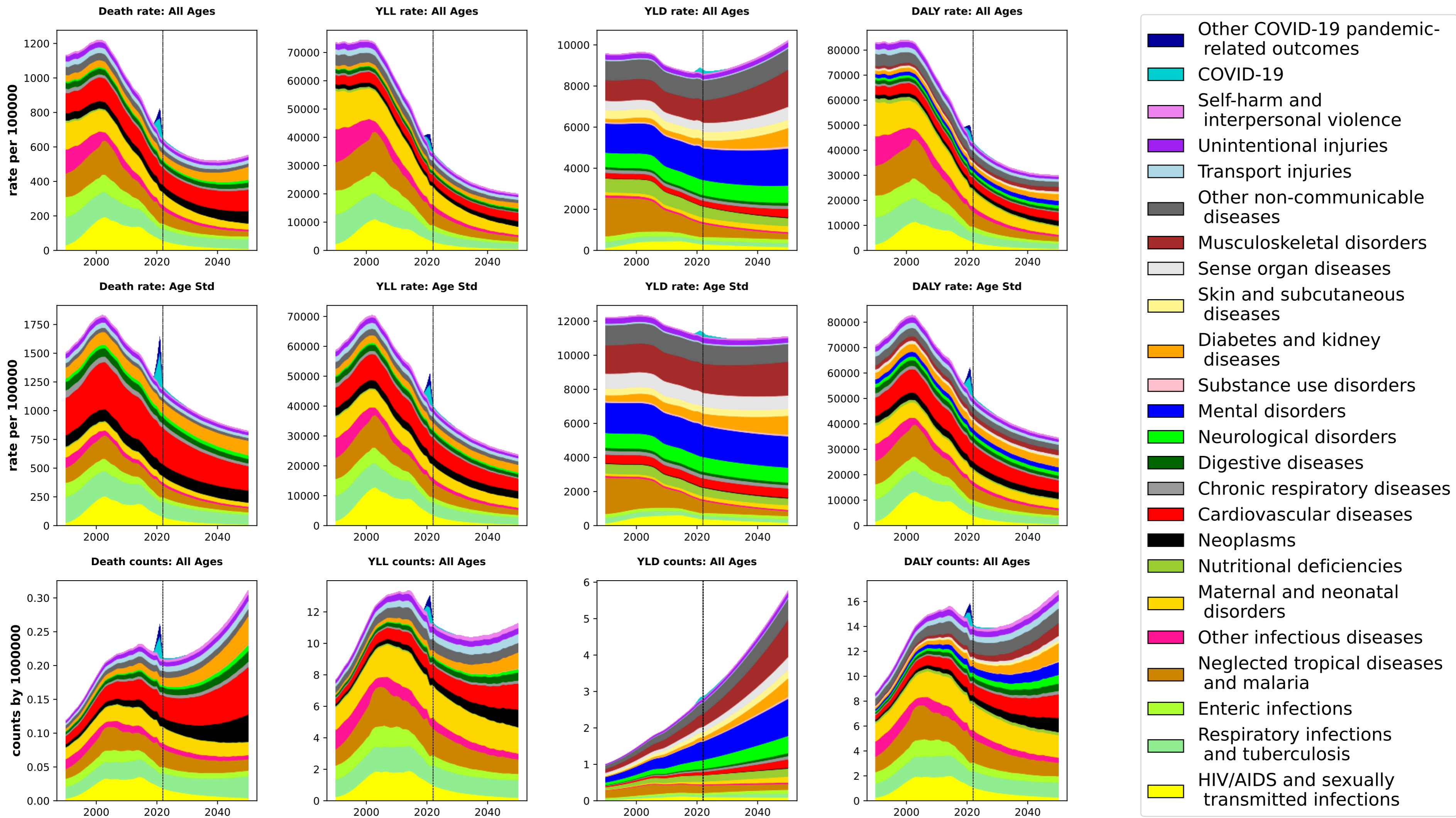
# Burkina Faso



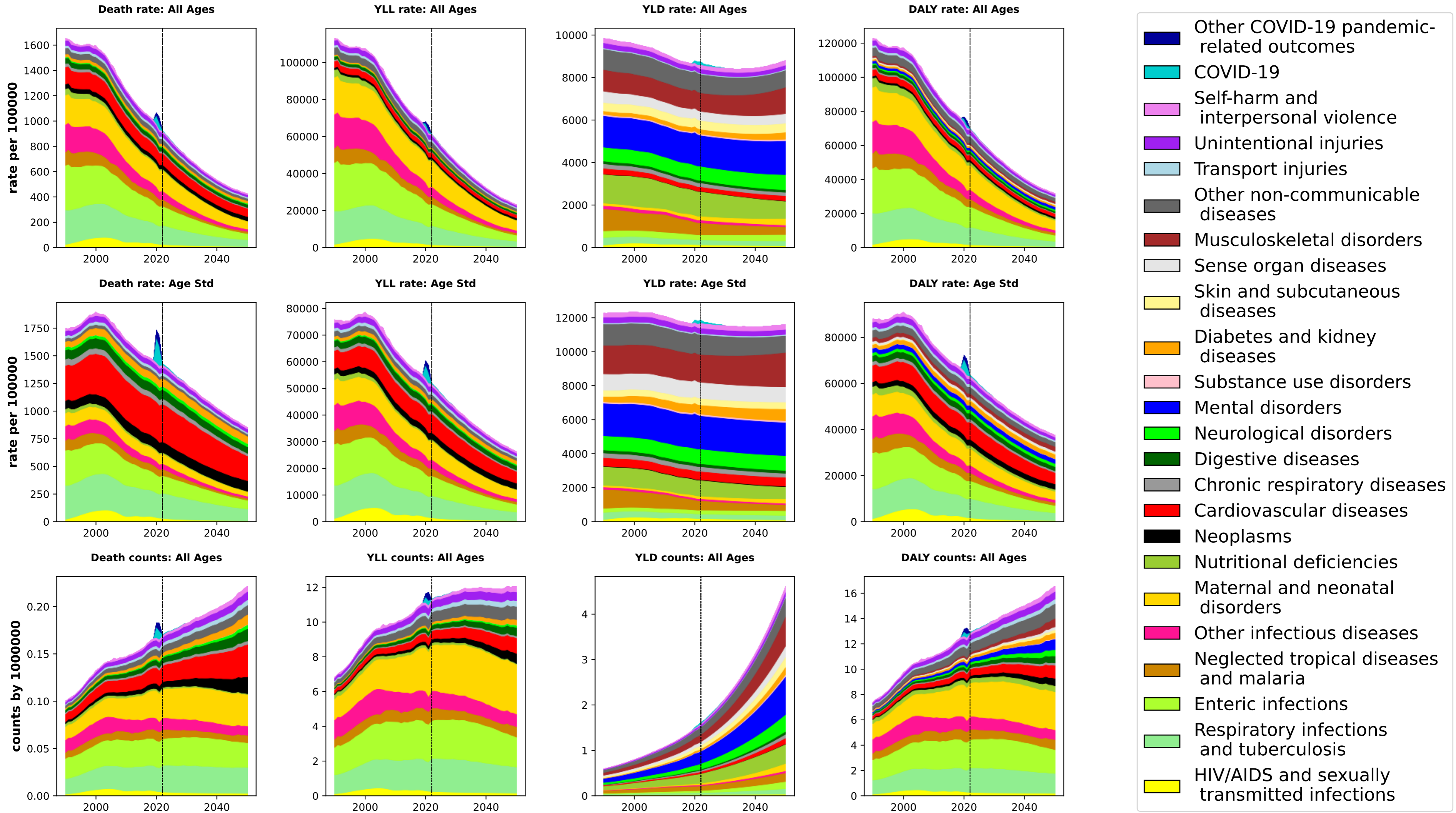
# Cabo Verde



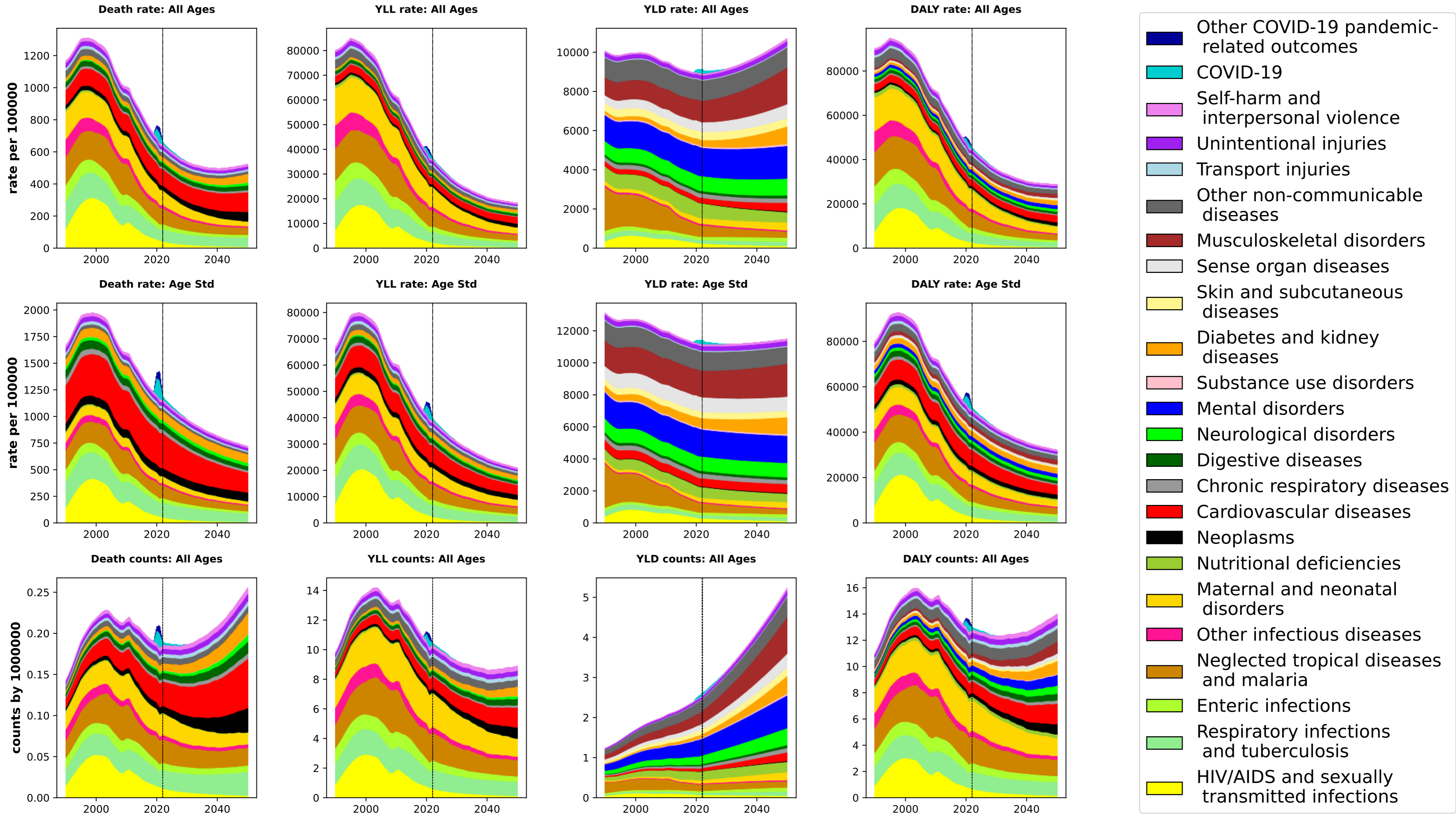
# Cameroon



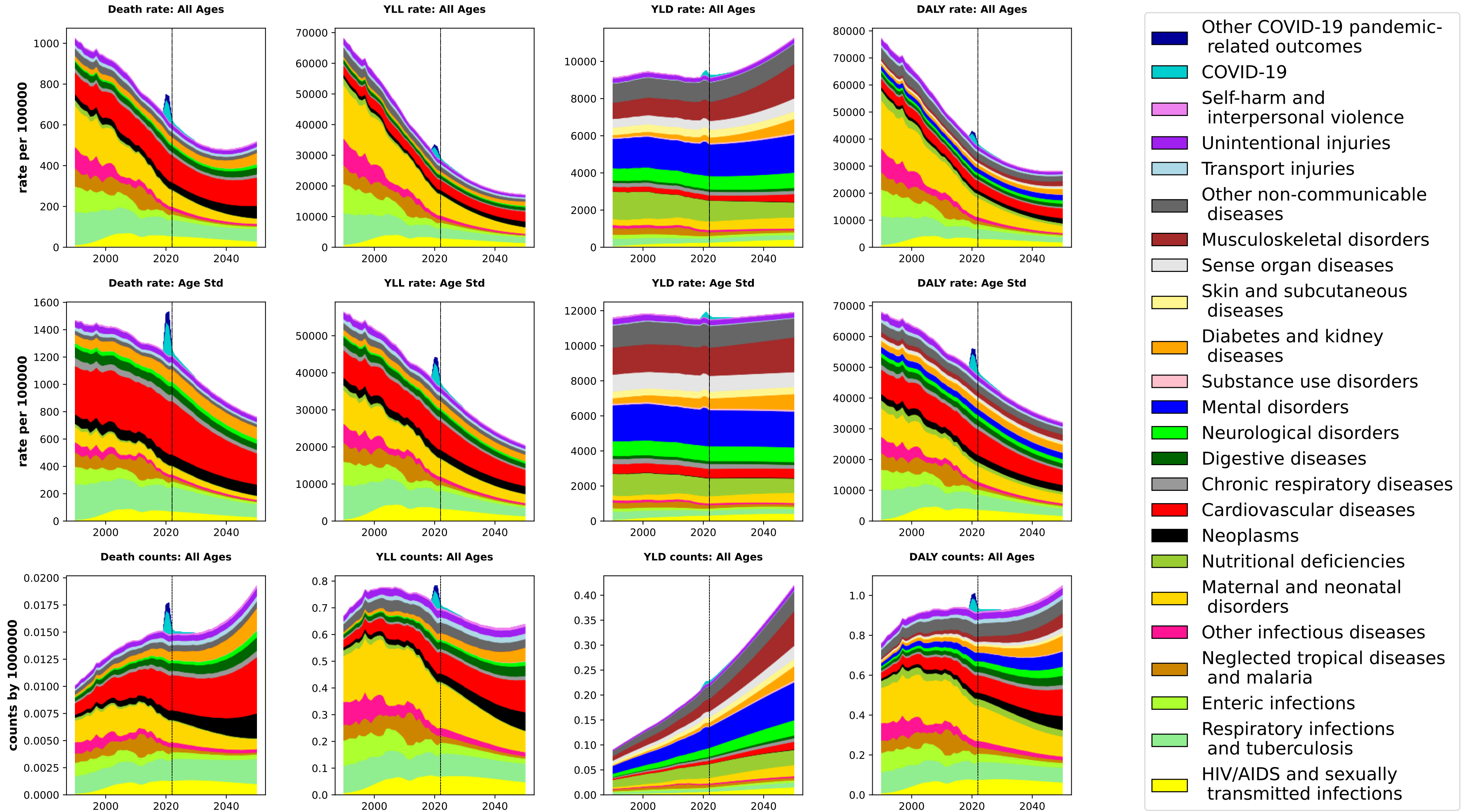
# Chad



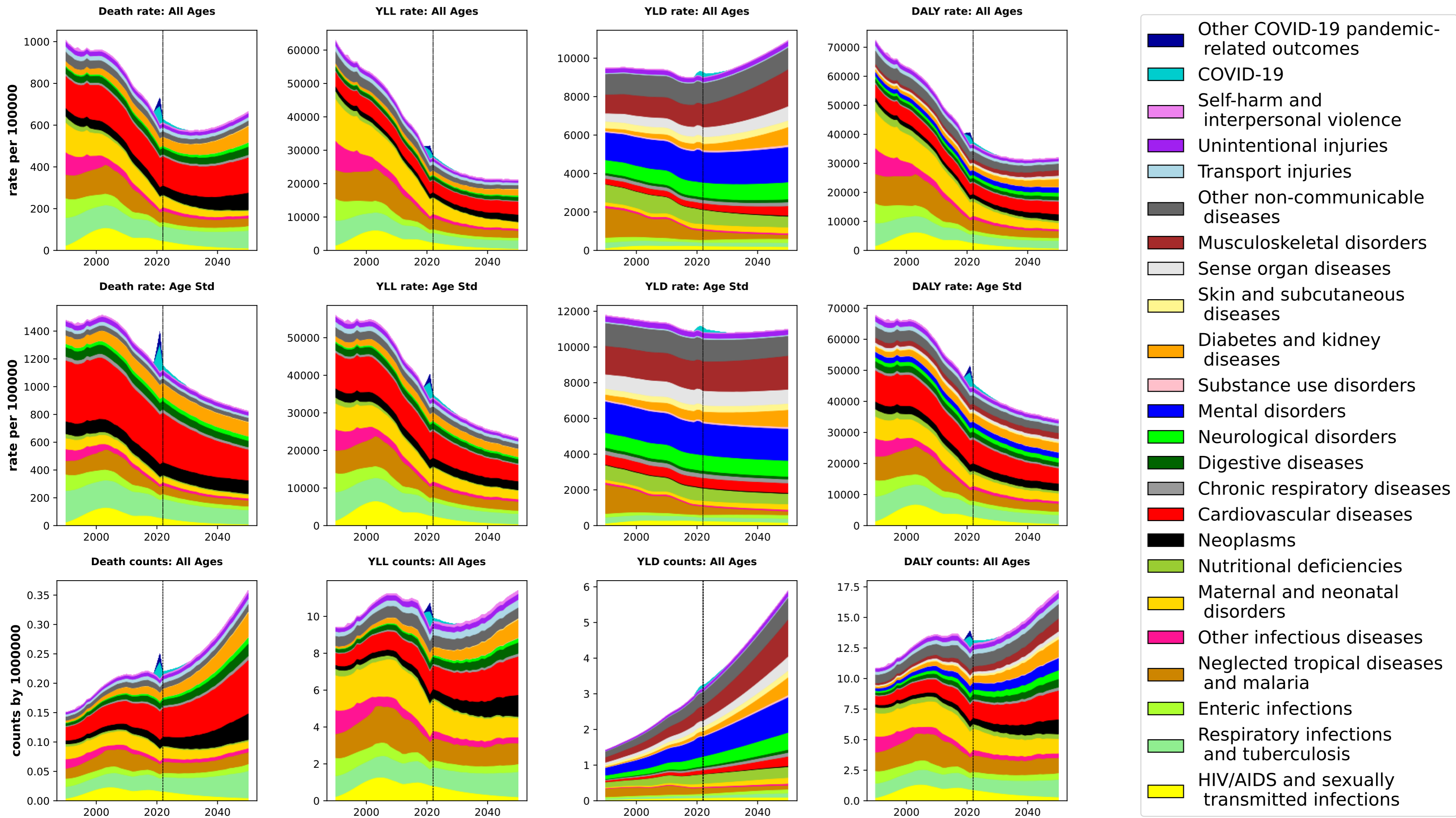
# Côte d'Ivoire



# The Gambia

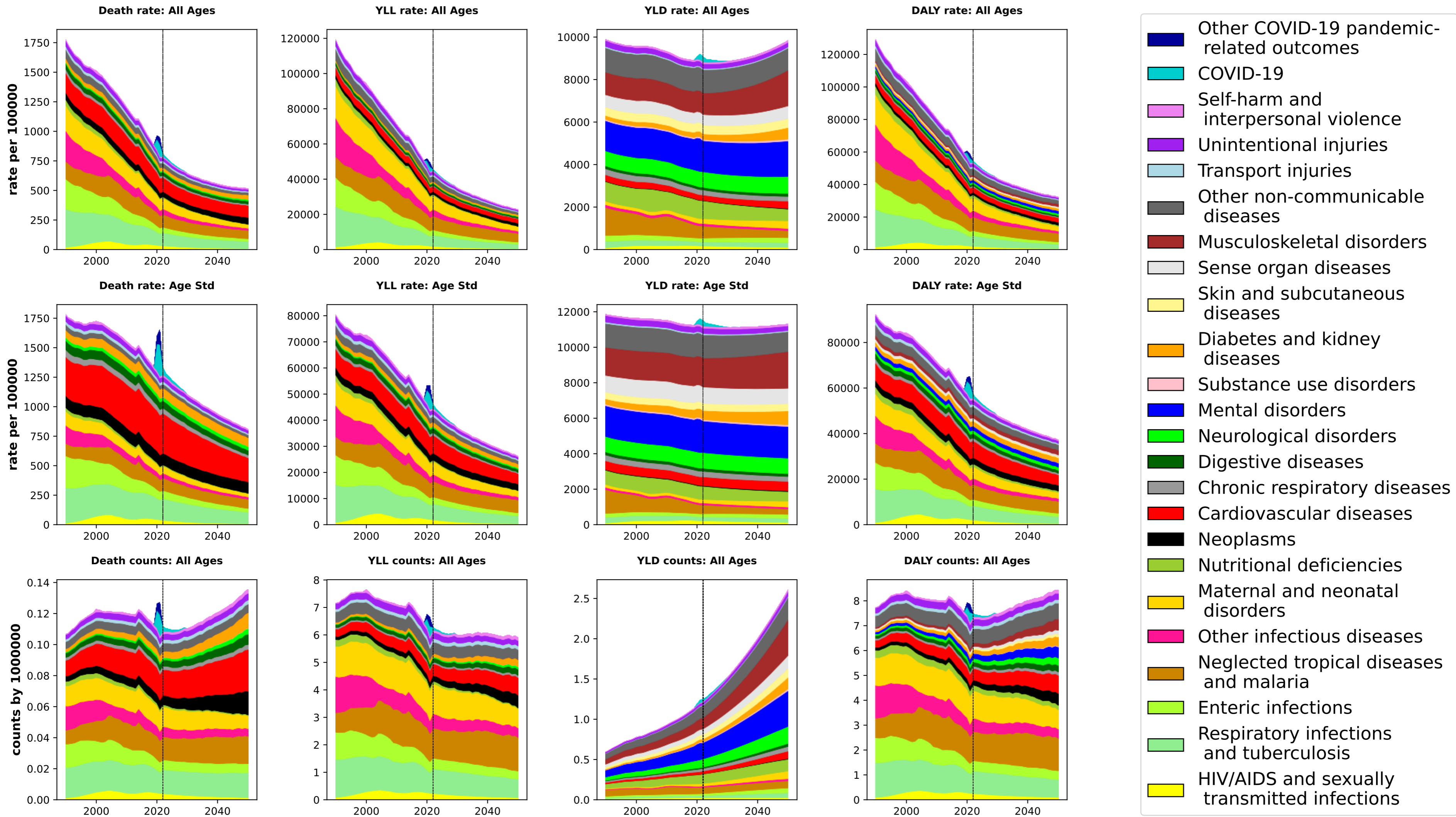


# Ghana

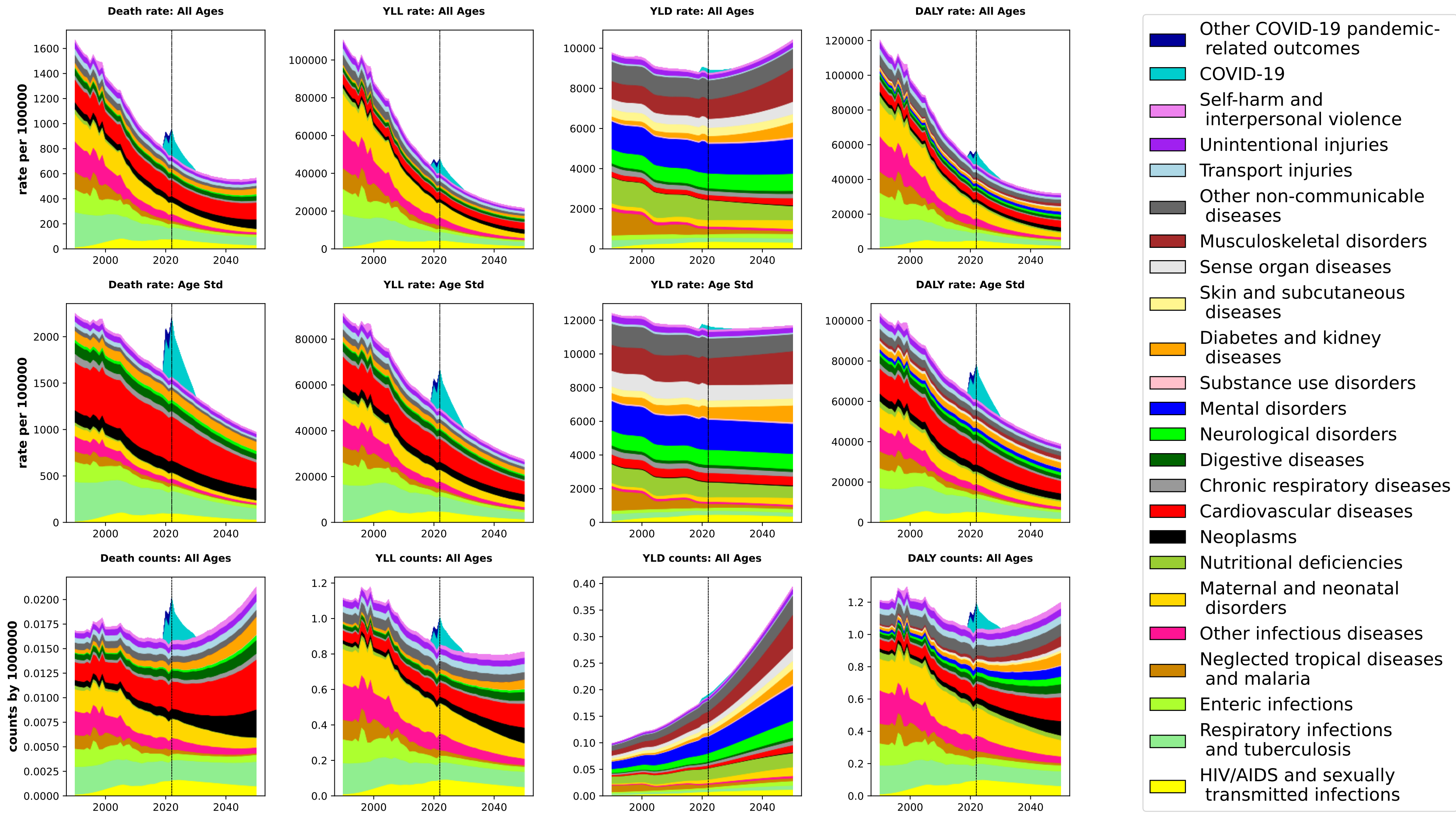




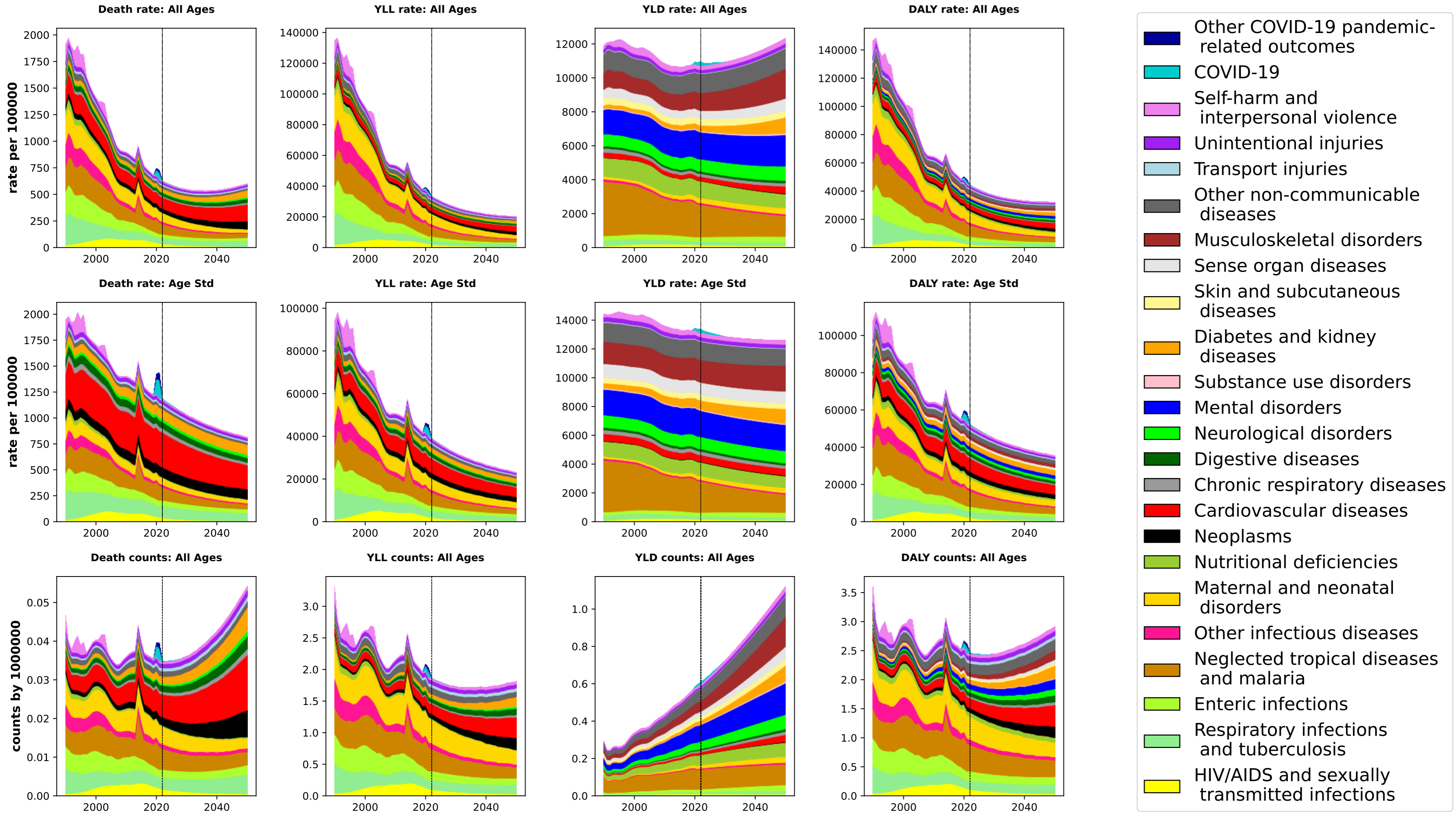
# Guinea

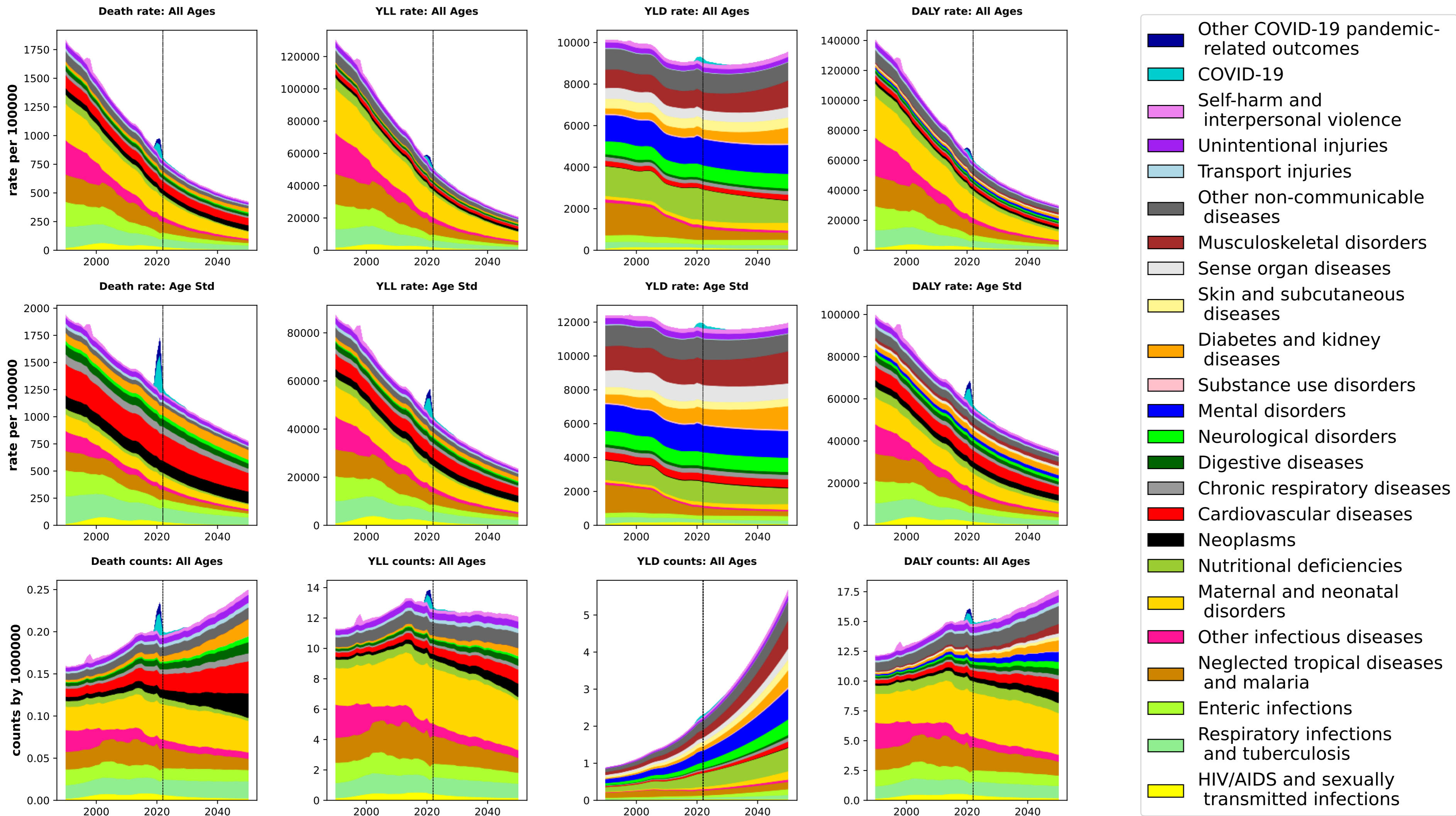


# Guinea-Bissau

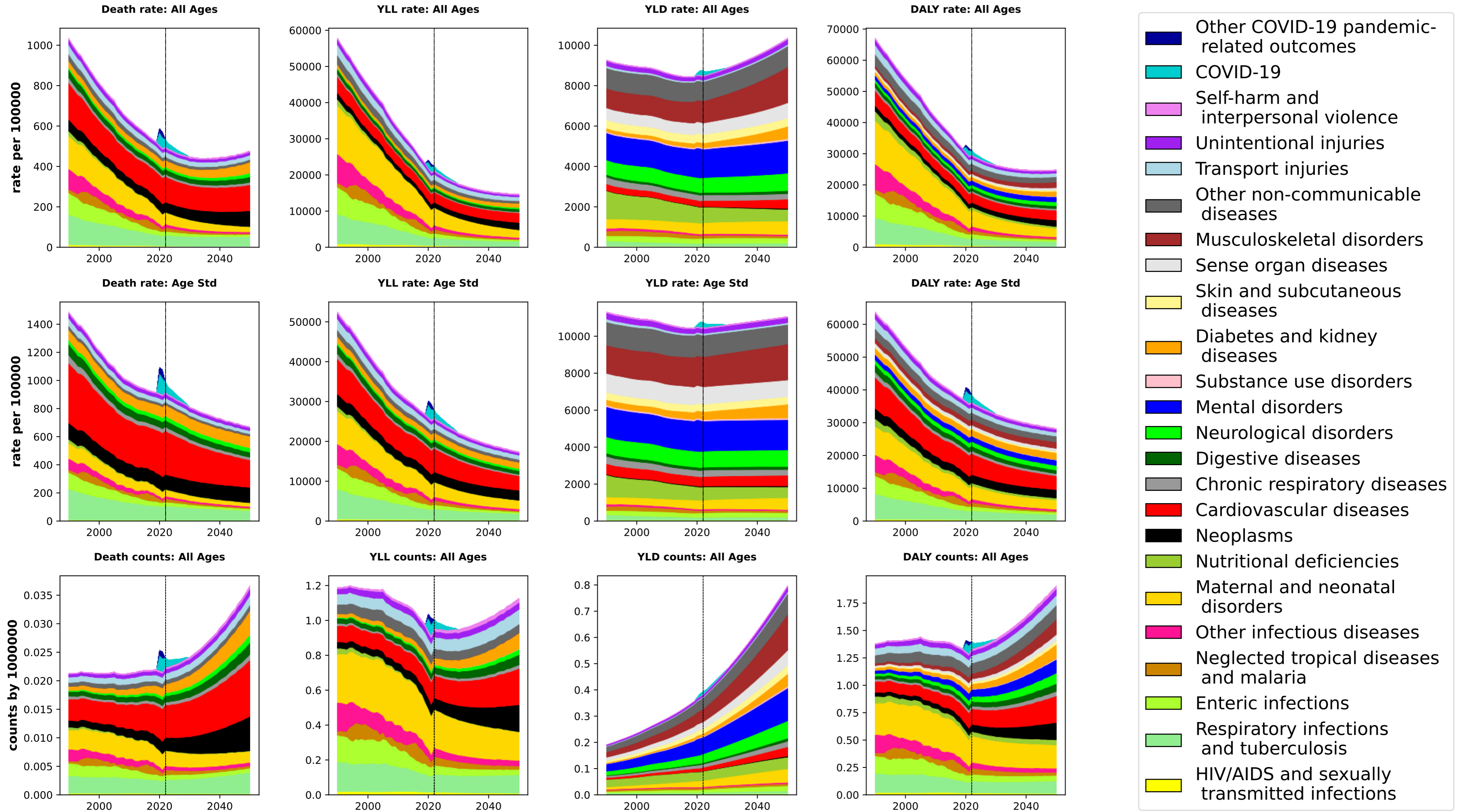


# Liberia

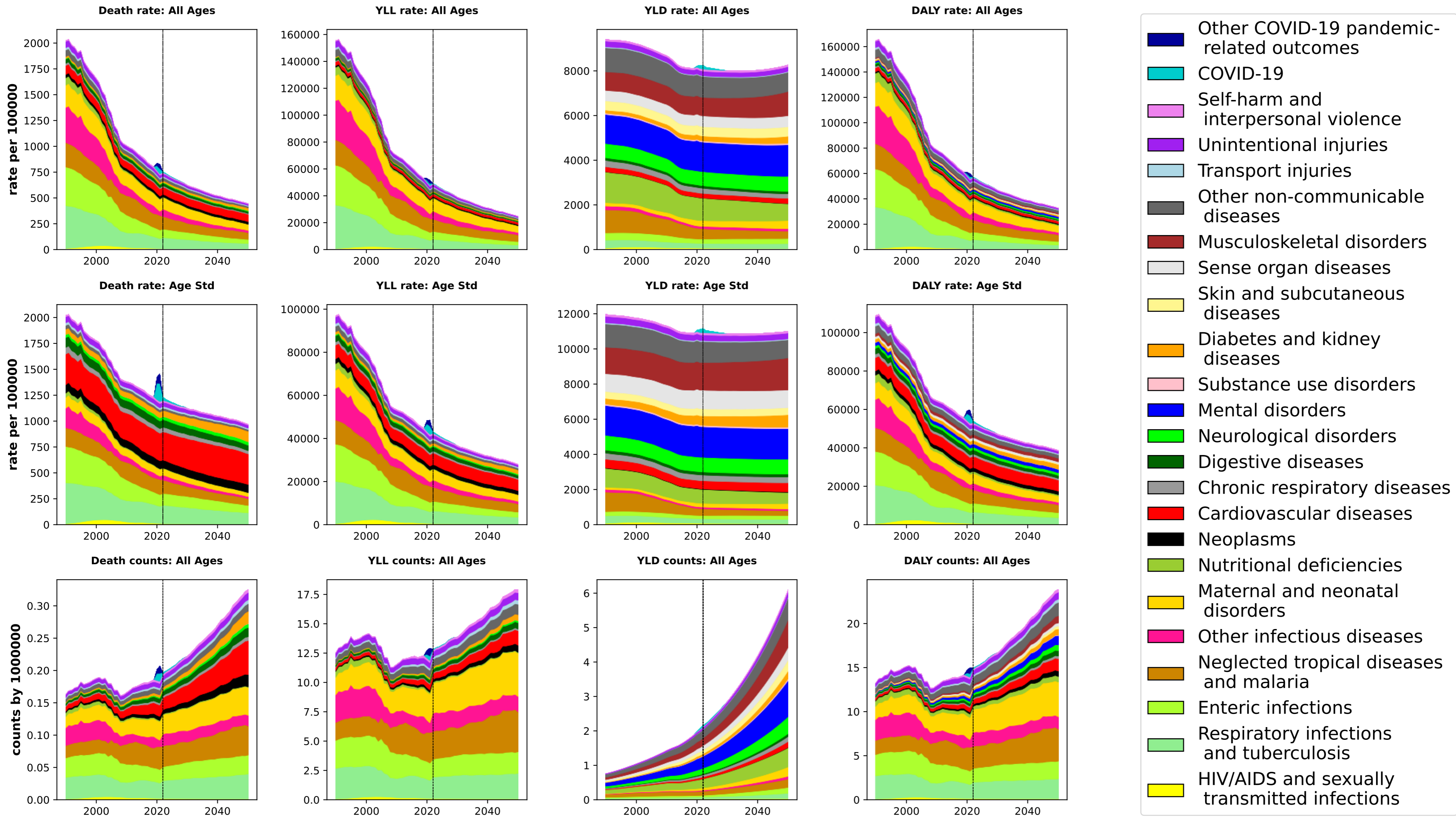




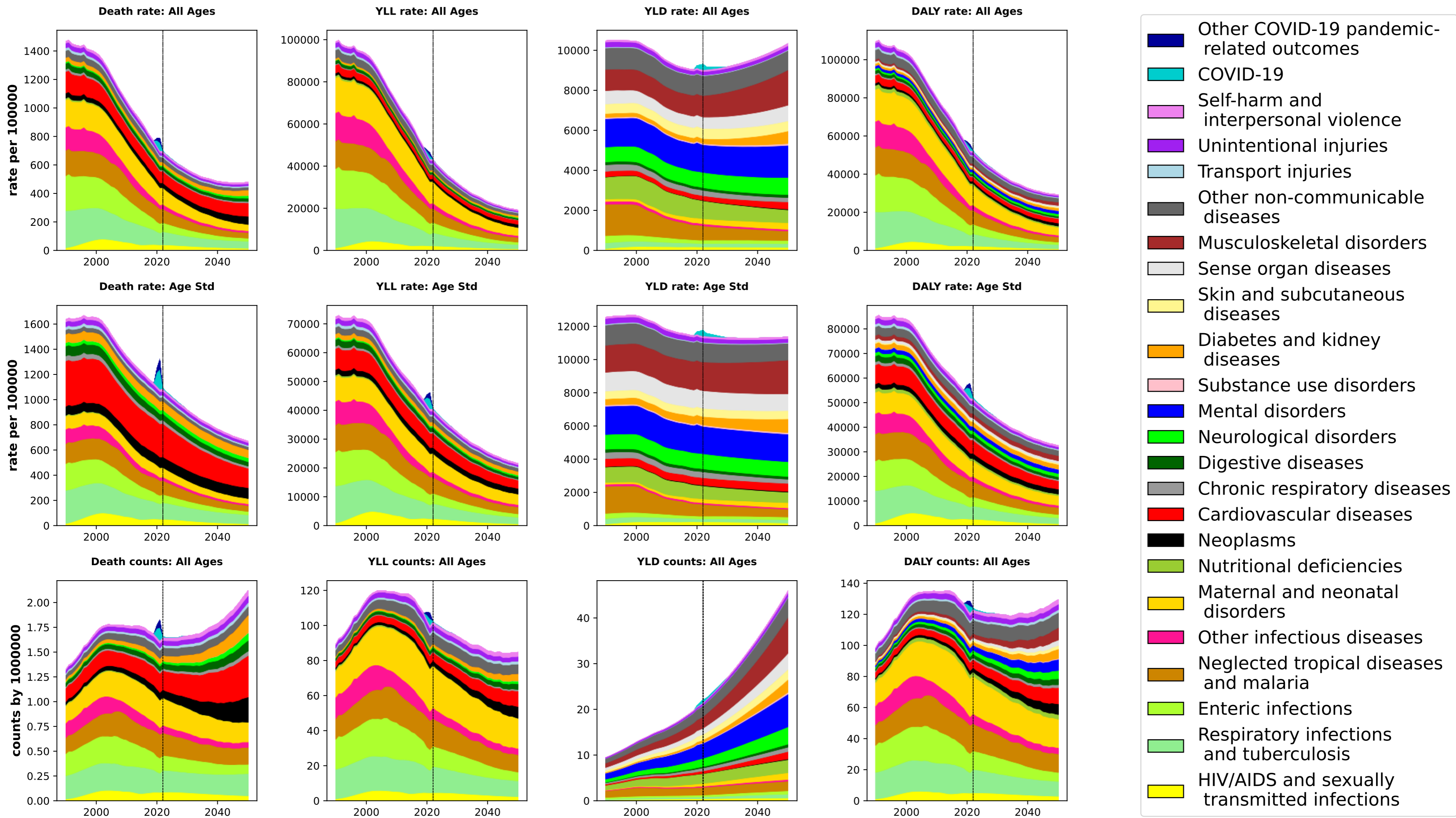
# Mauritania



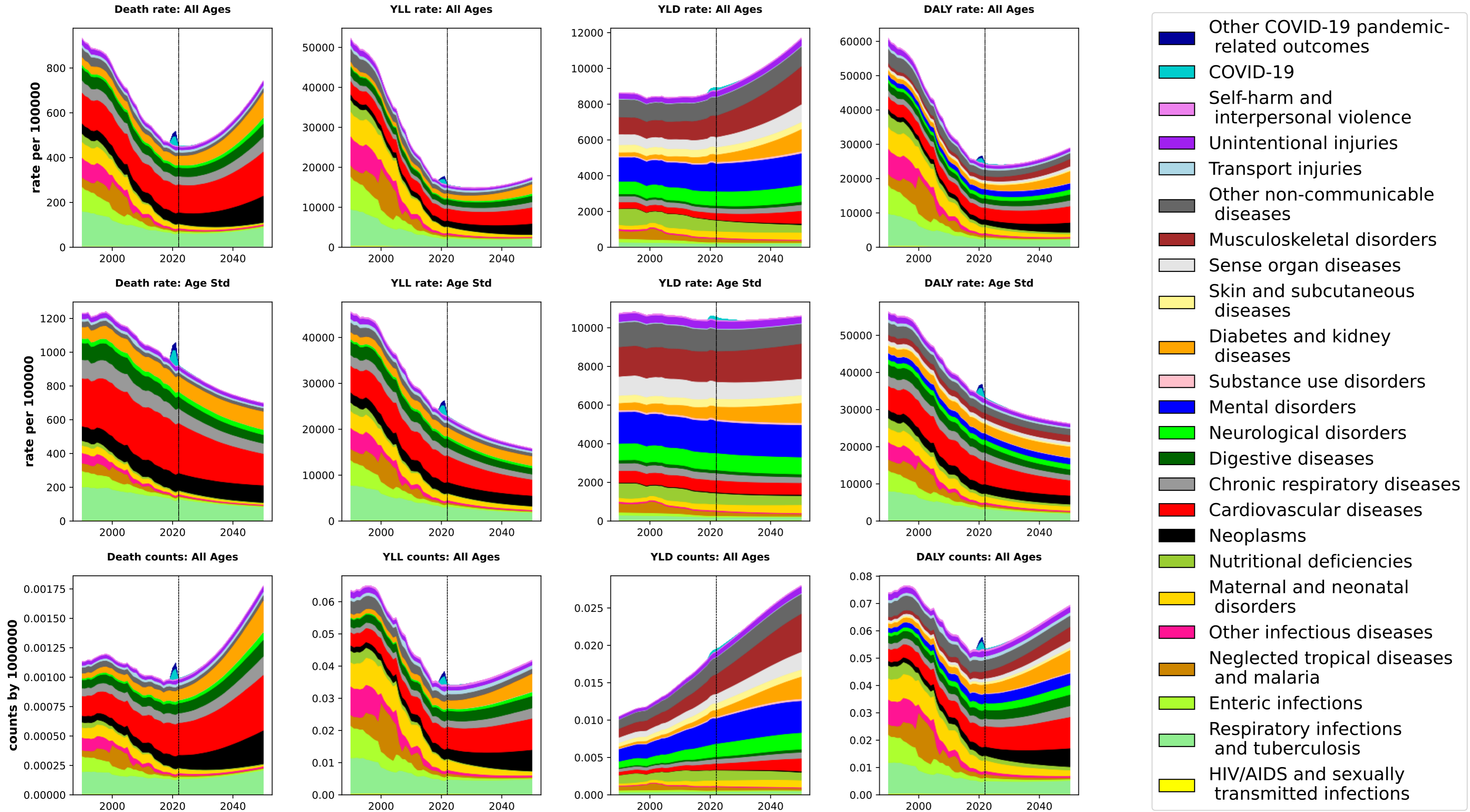
# Niger



# Nigeria

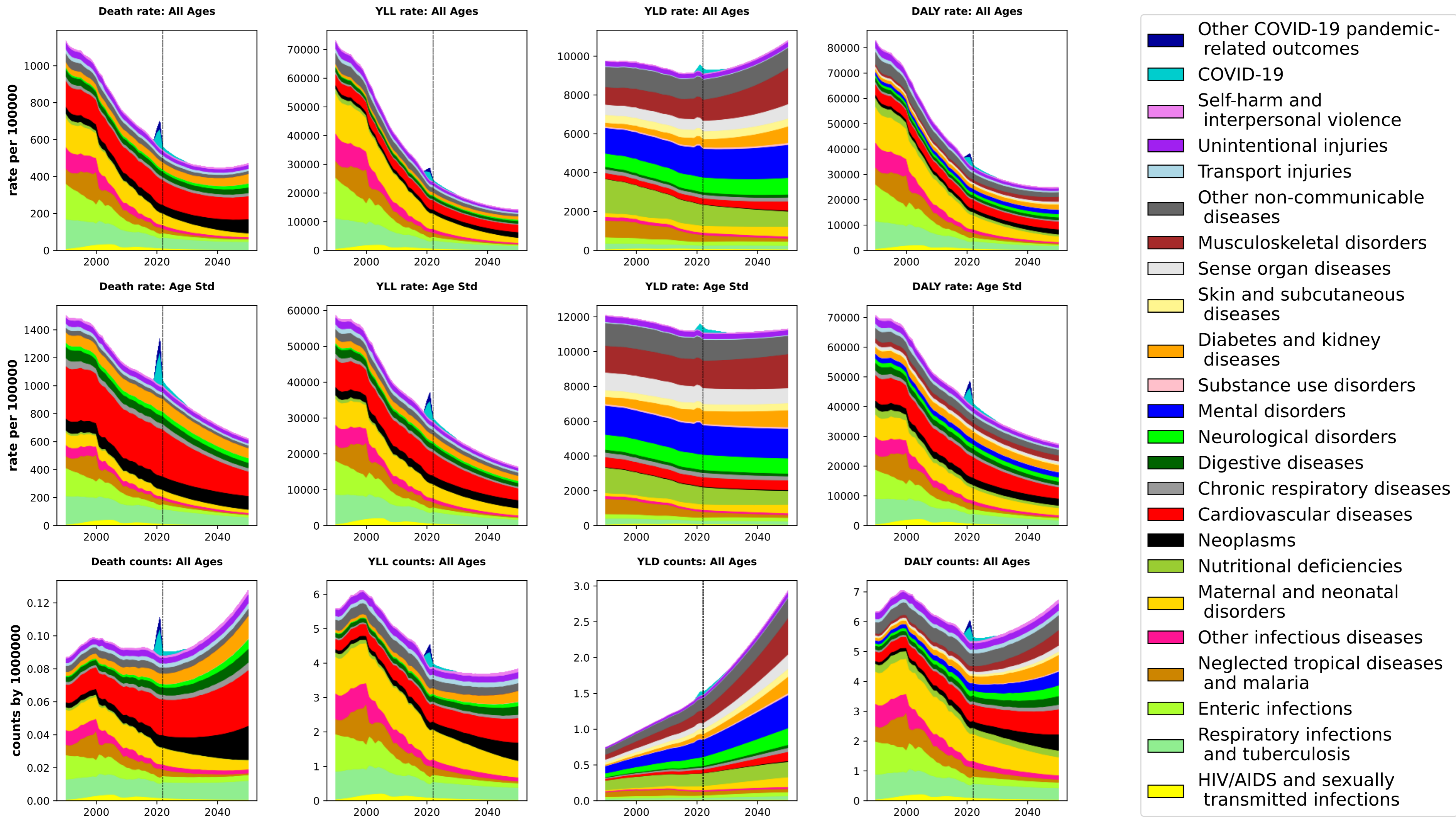


# São Tomé and Príncipe

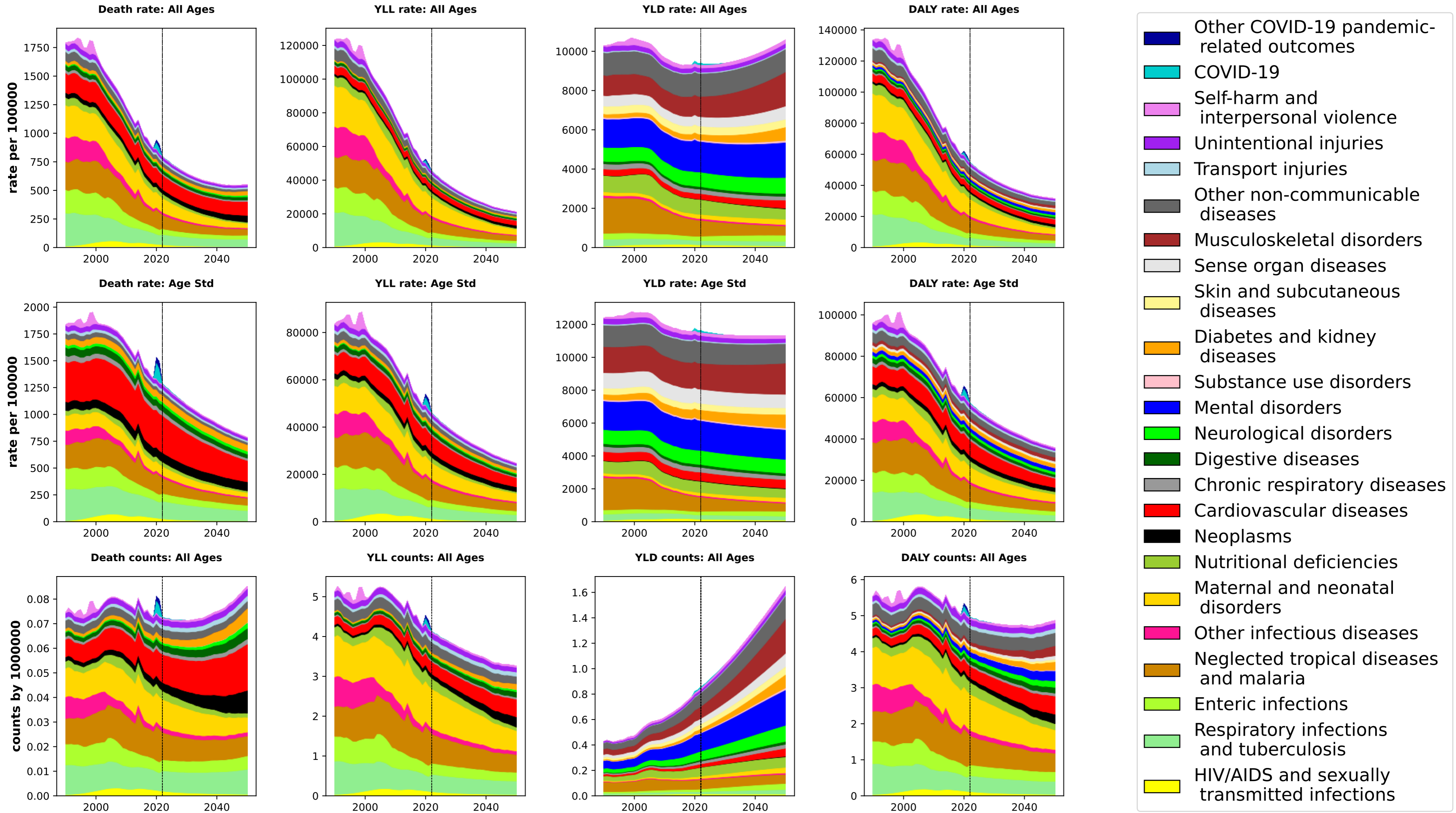




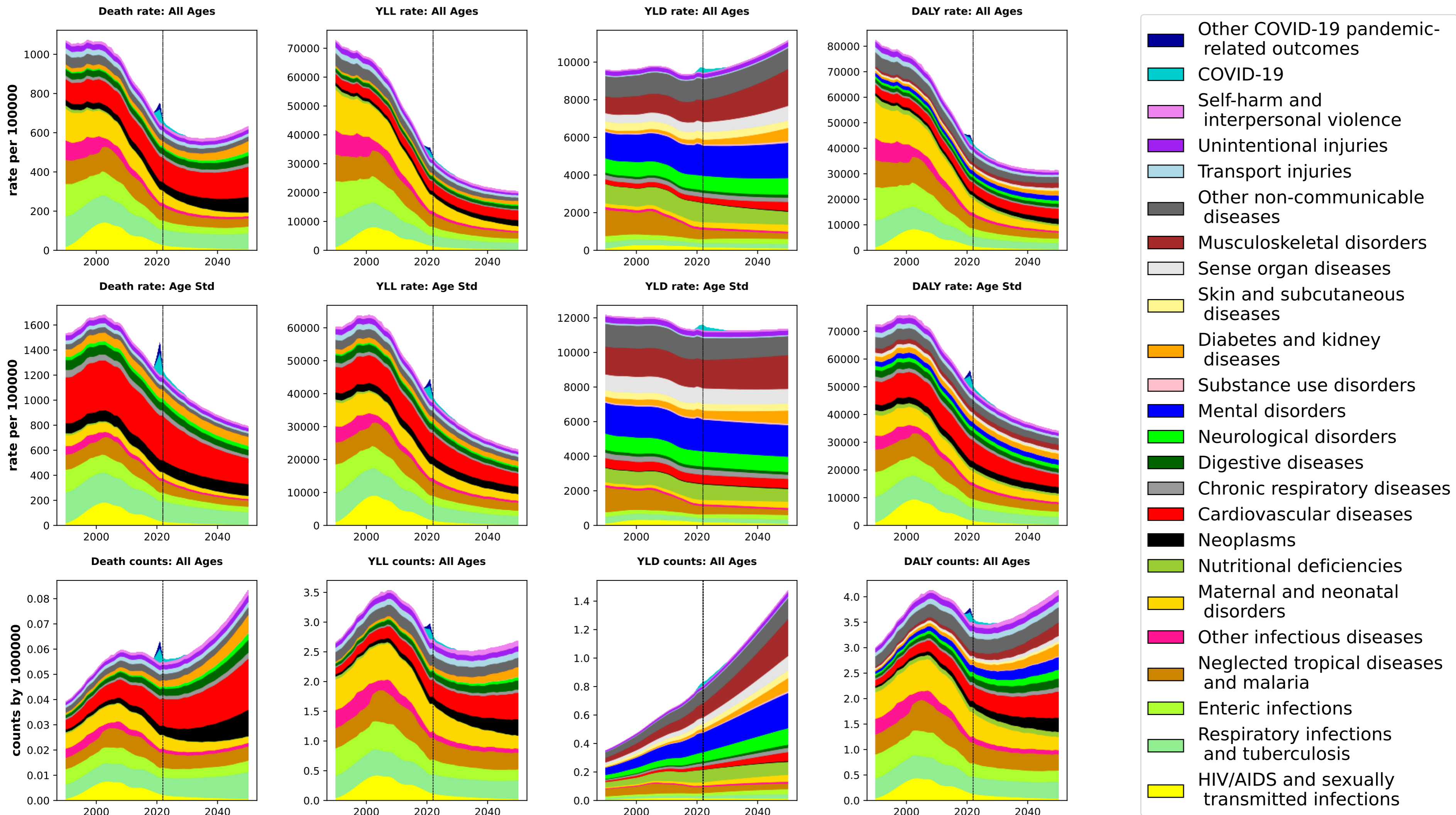
# Senegal



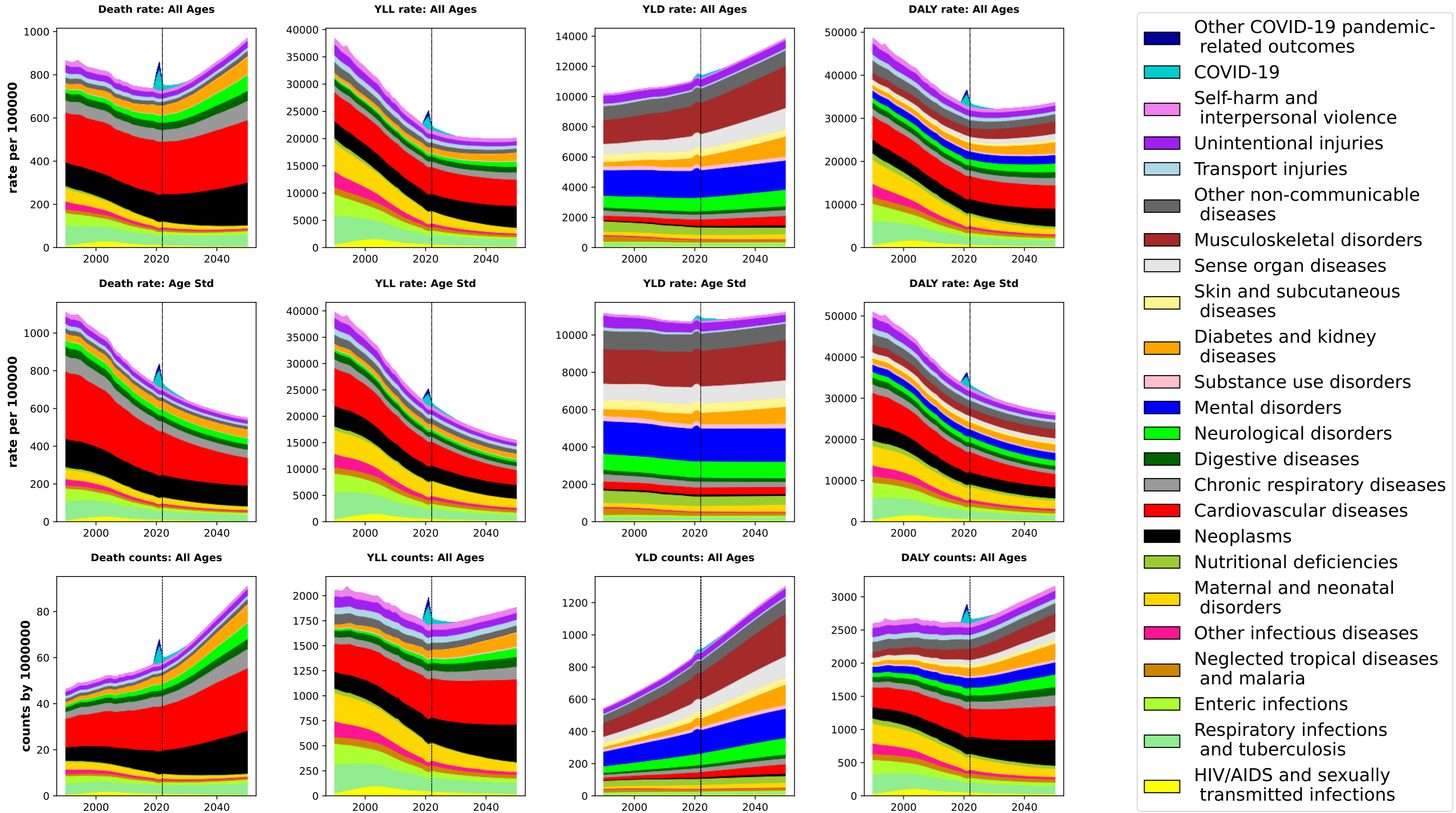
# Sierra Leone



# Togo

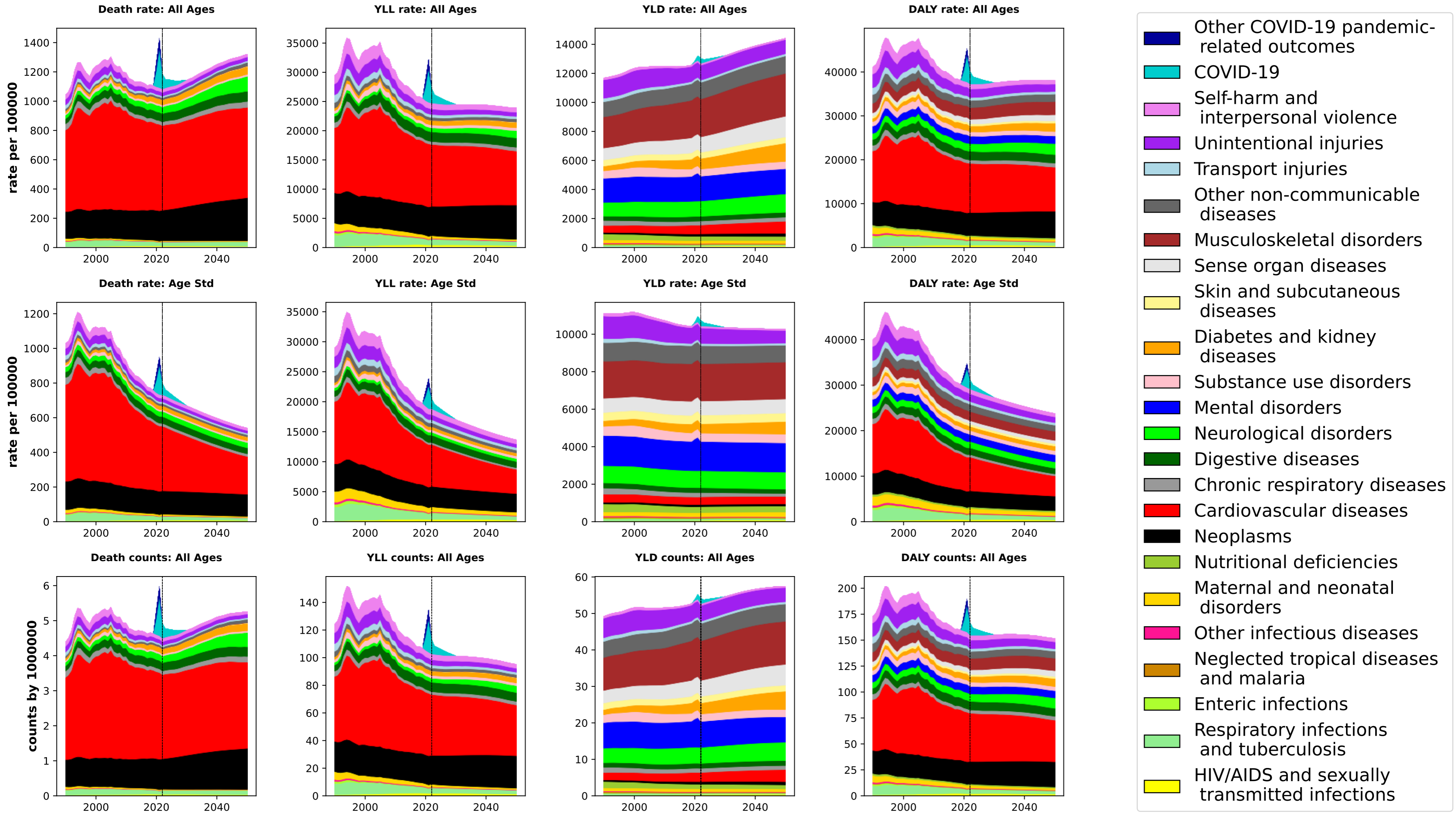


# Global

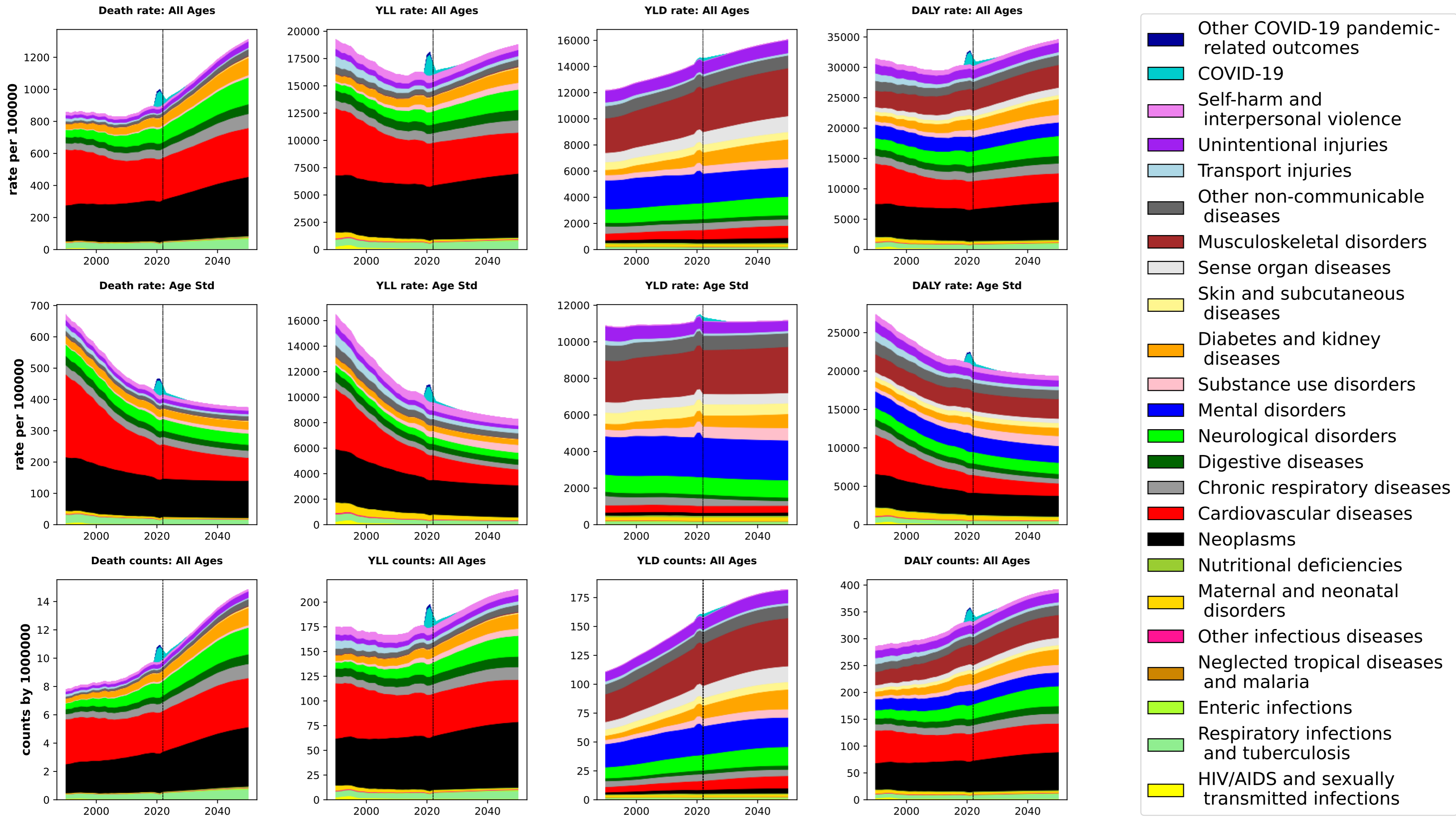


# Central Europe, Eastern Europe, and Central Asia

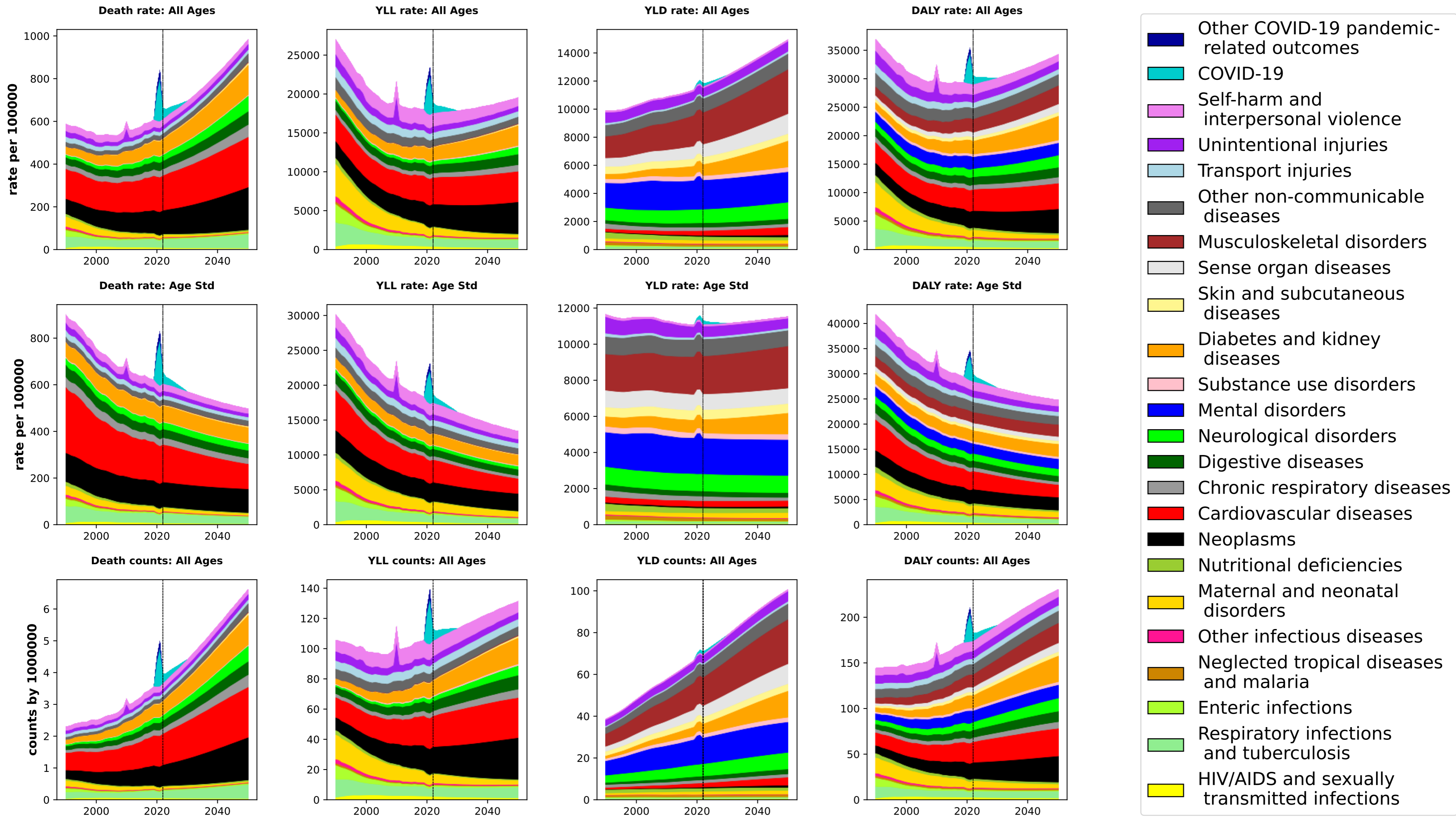
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050



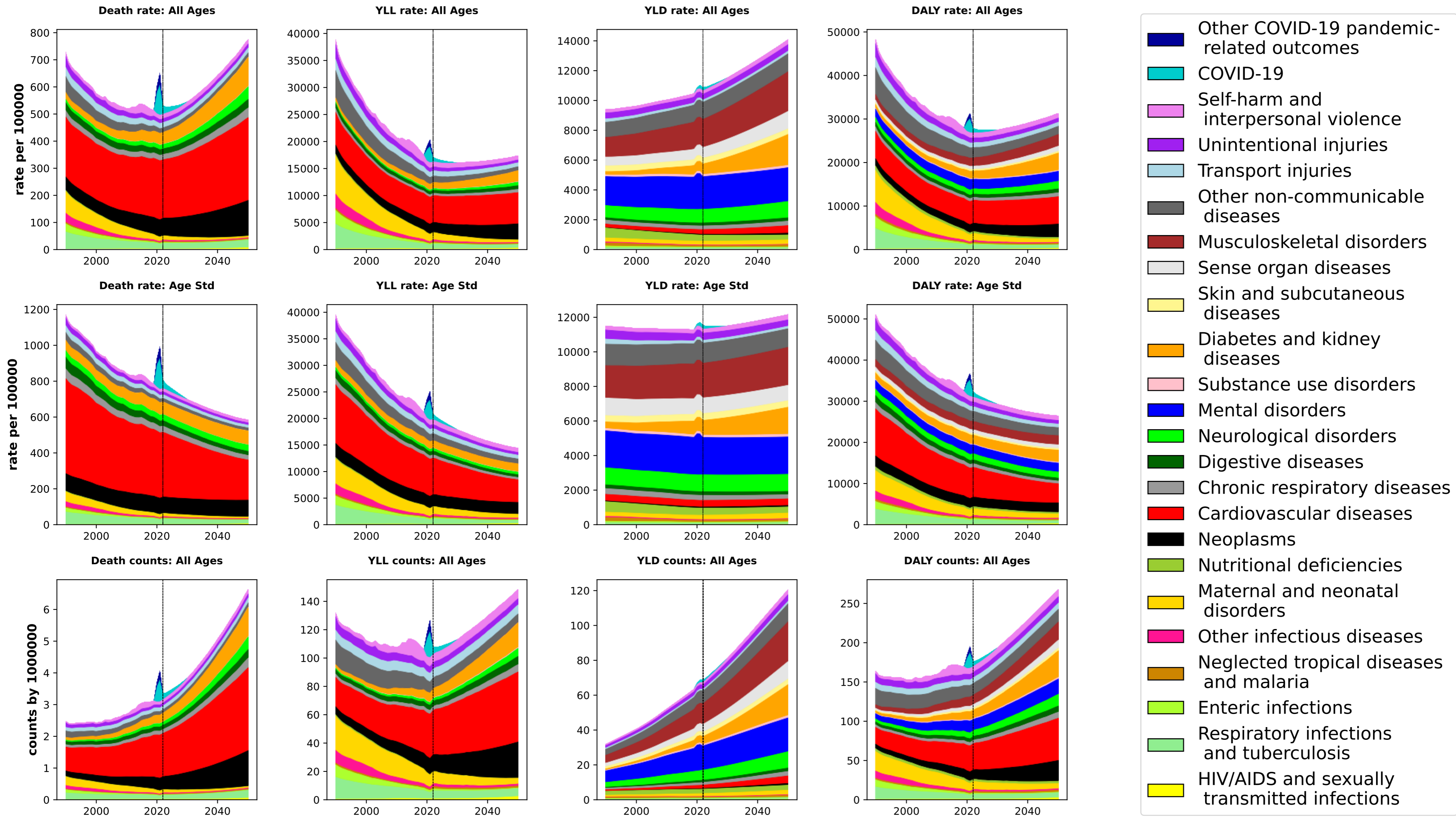
# High income



# Latin America and Caribbean



# North Africa and Middle East

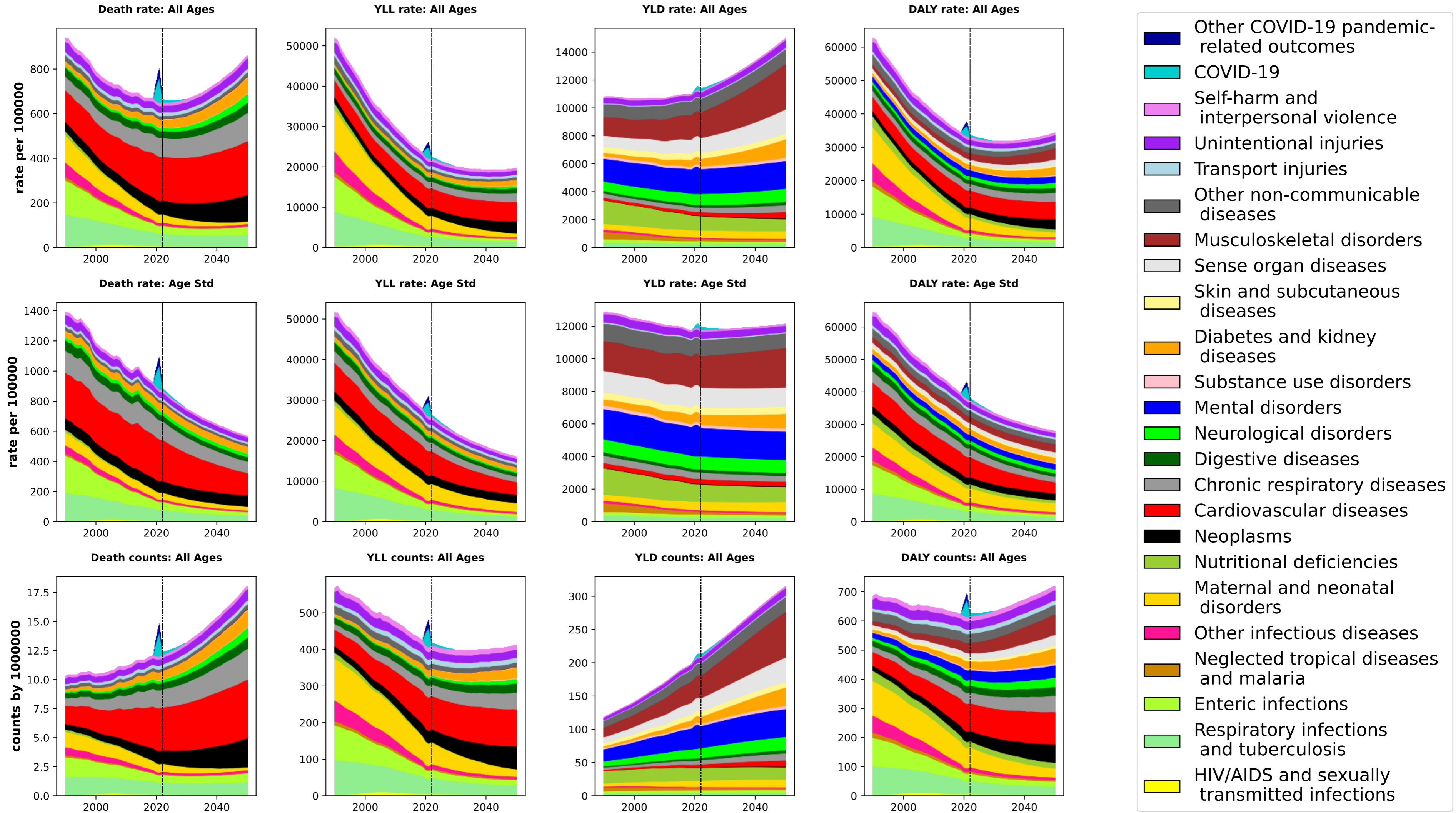




# South Asia

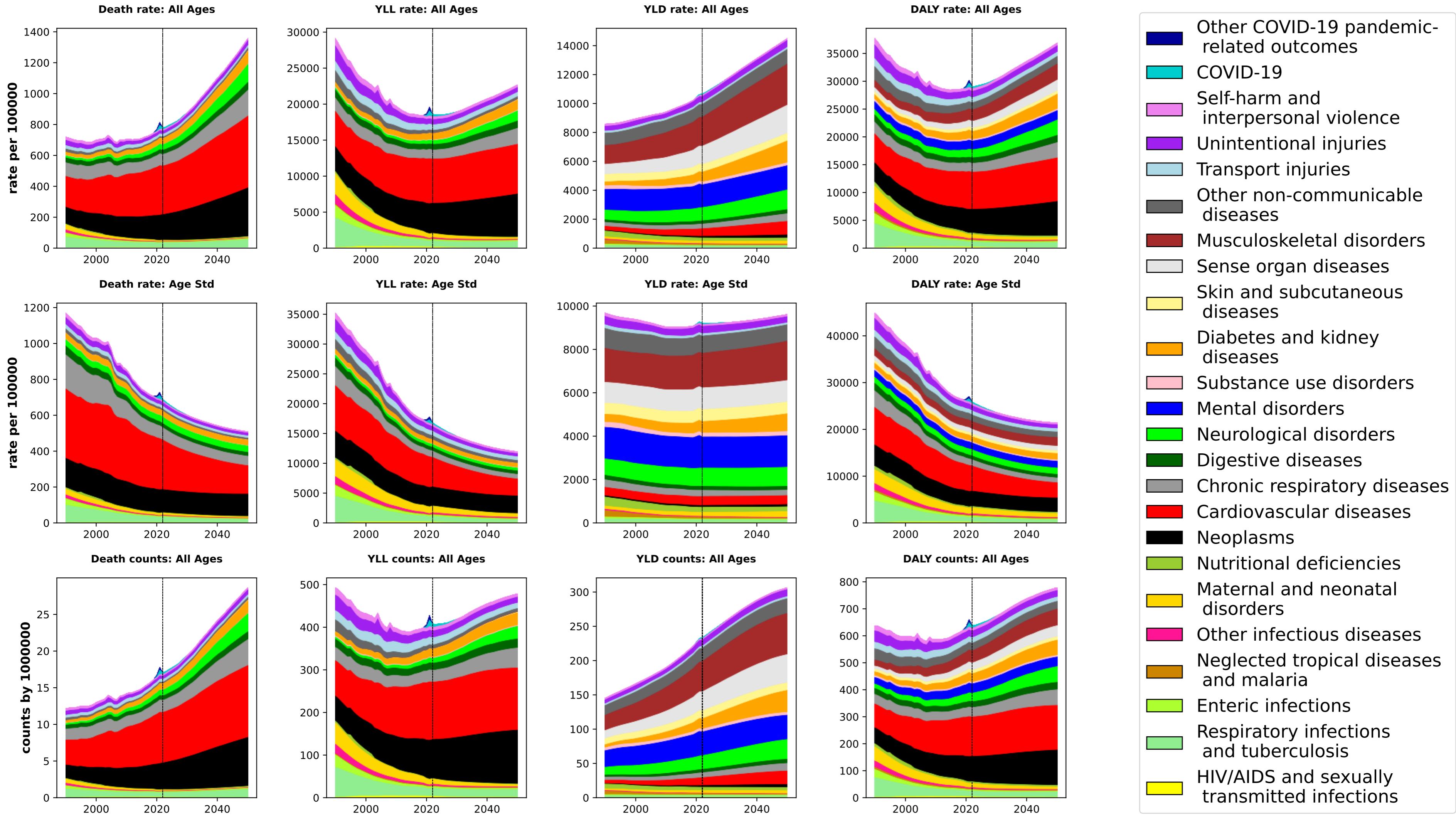
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

920



# Southeast Asia, East Asia, and Oceania

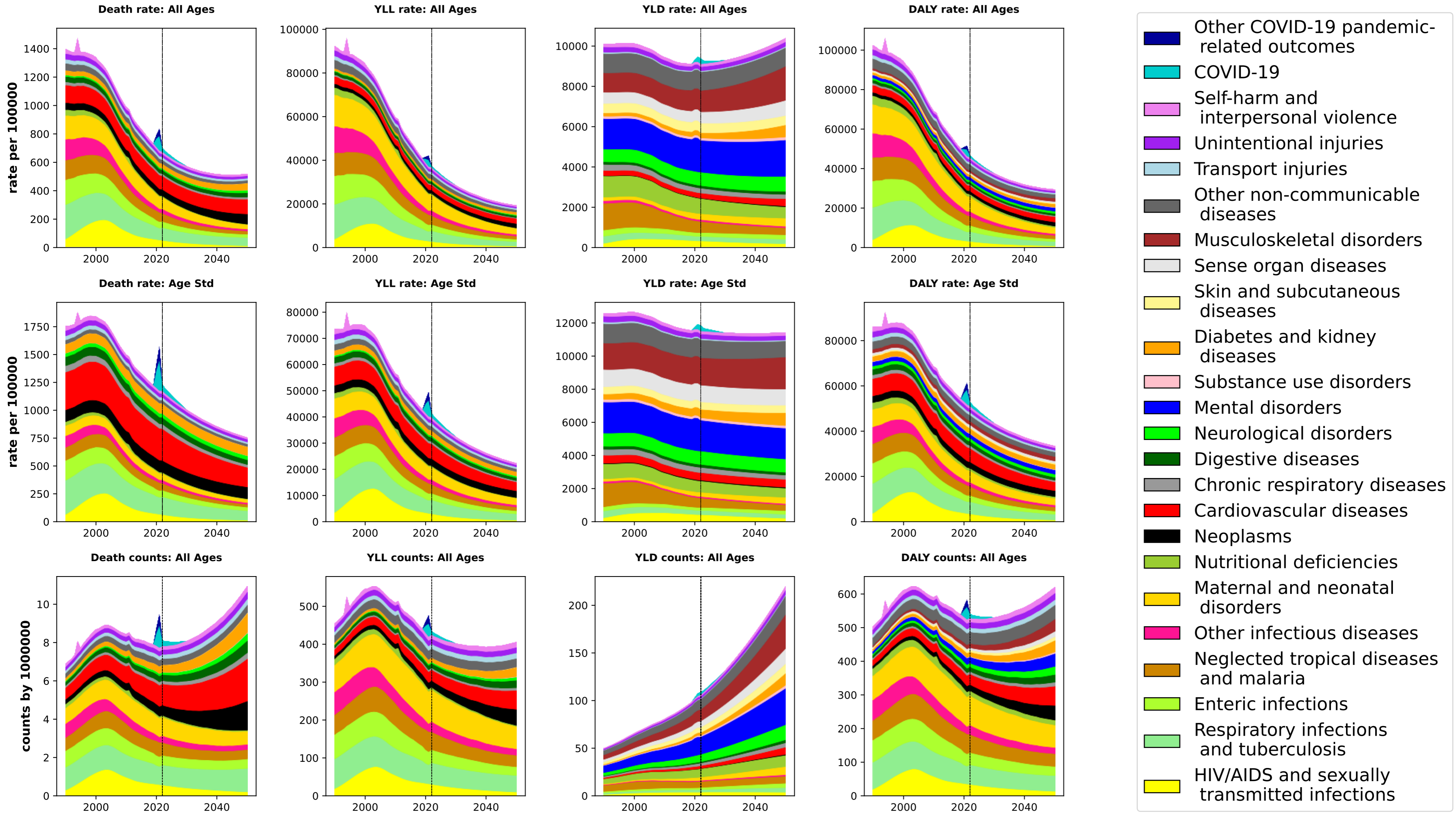
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050



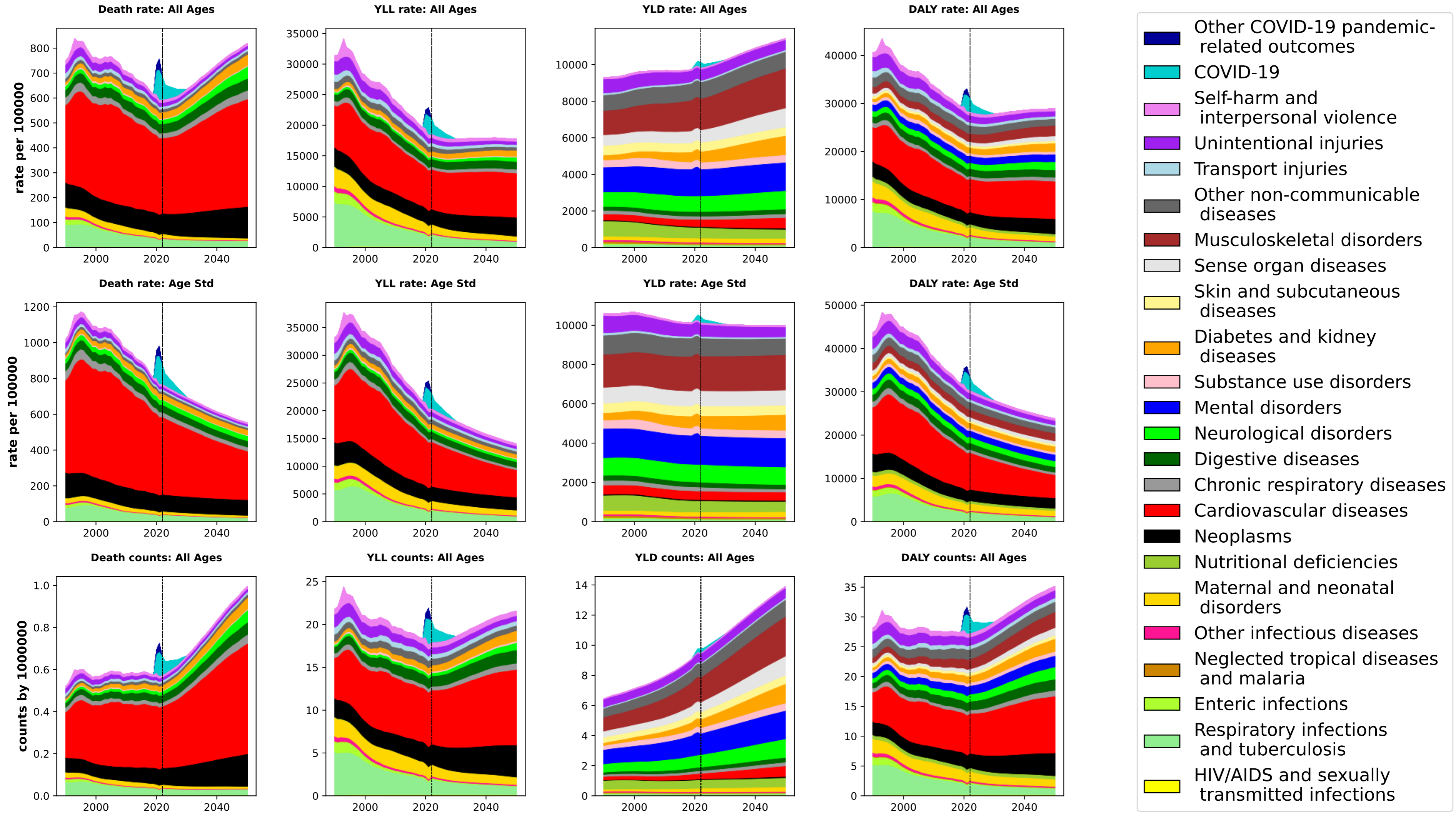
# Sub-Saharan Africa

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

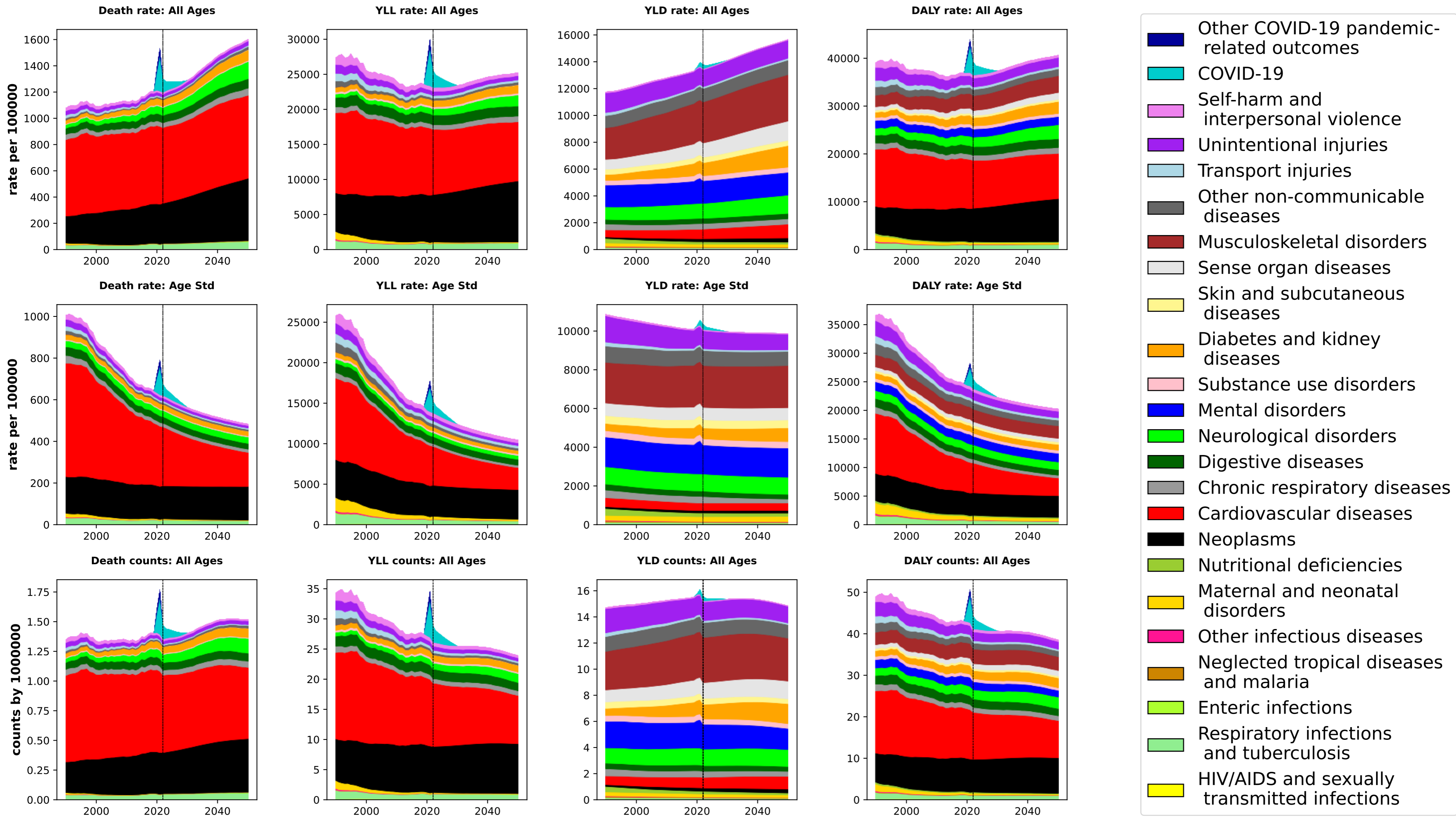
922



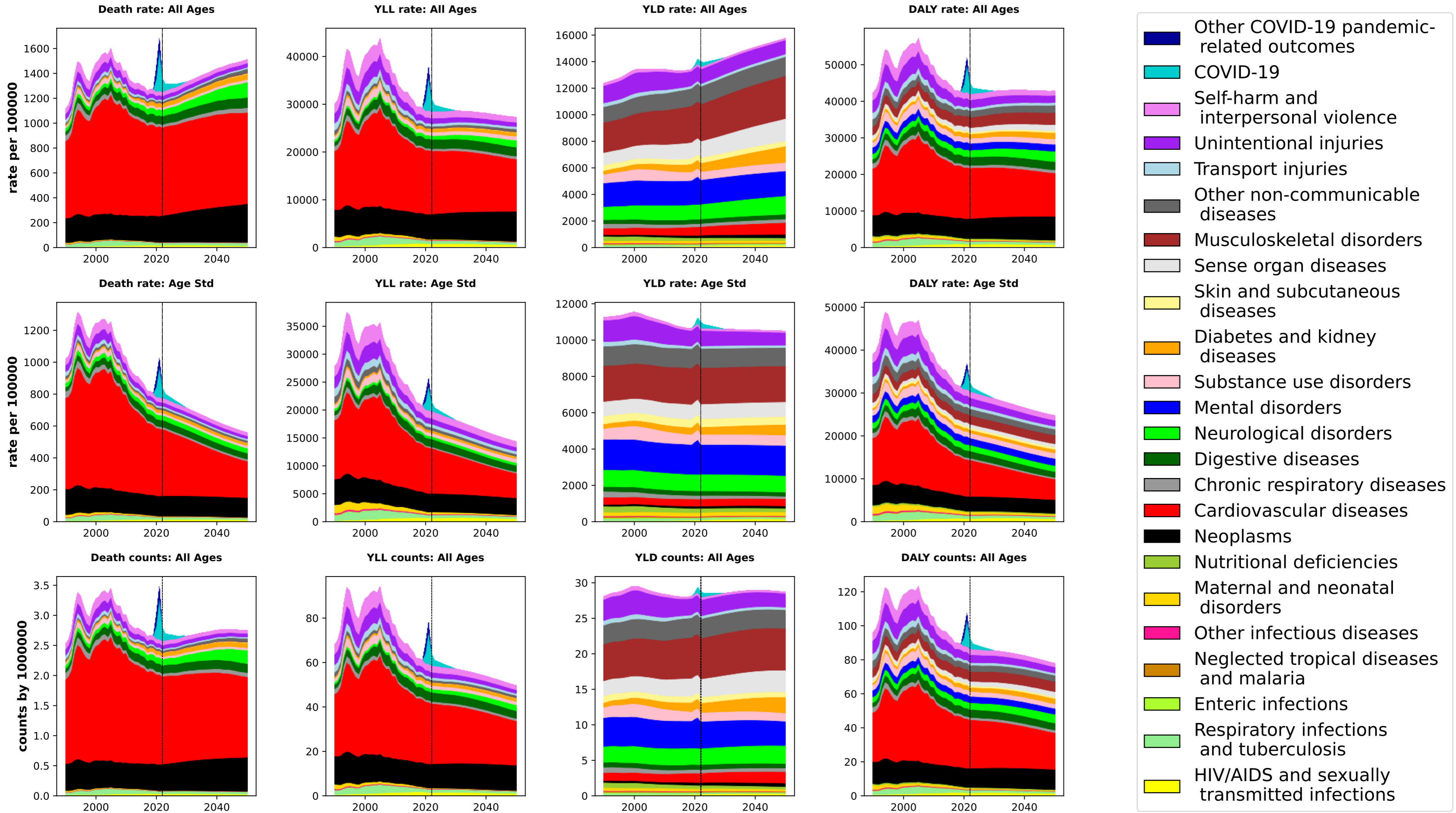
# Central Asia



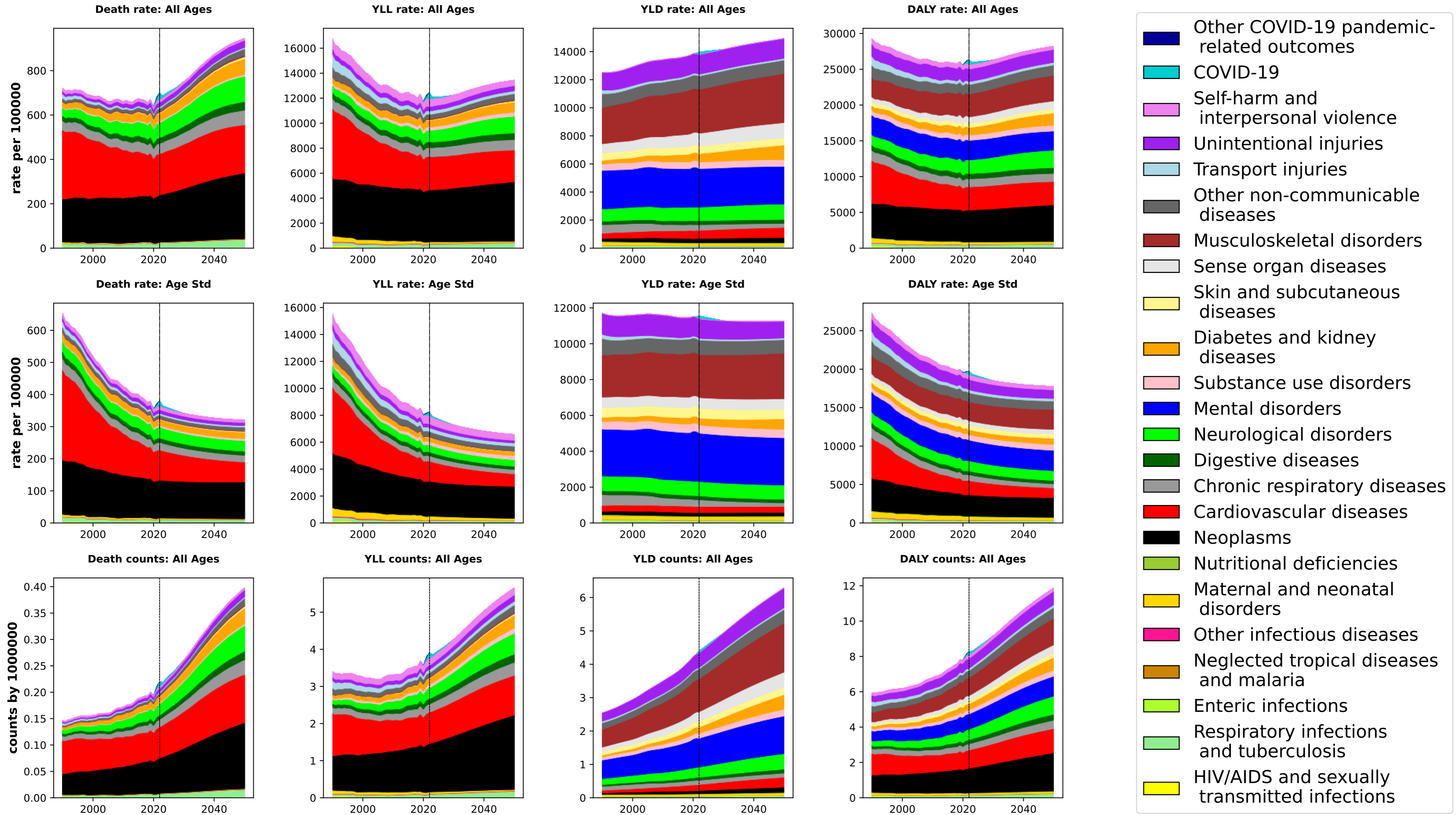
# Central Europe



# Eastern Europe



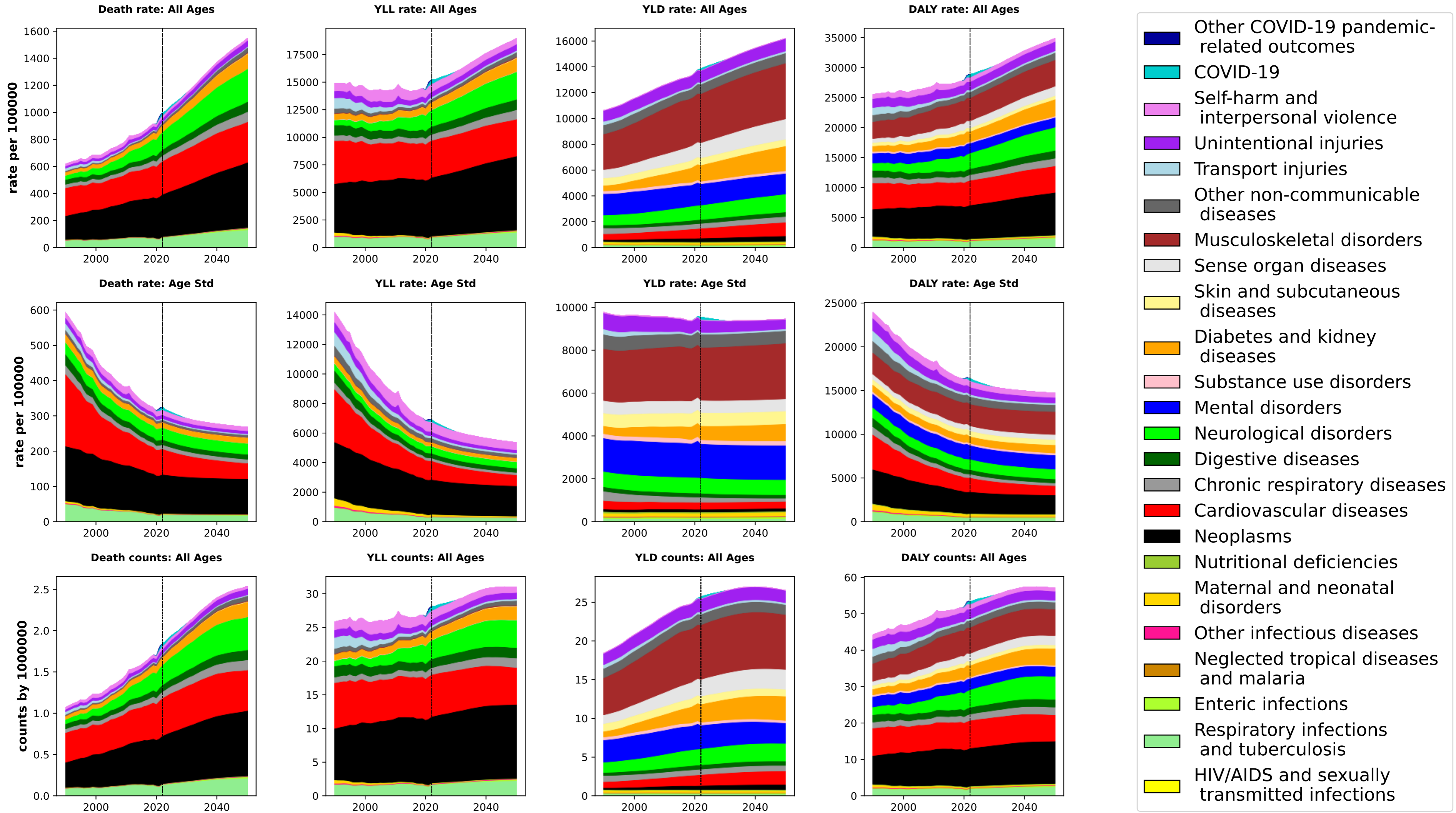
# Australasia



# High-income Asia Pacific

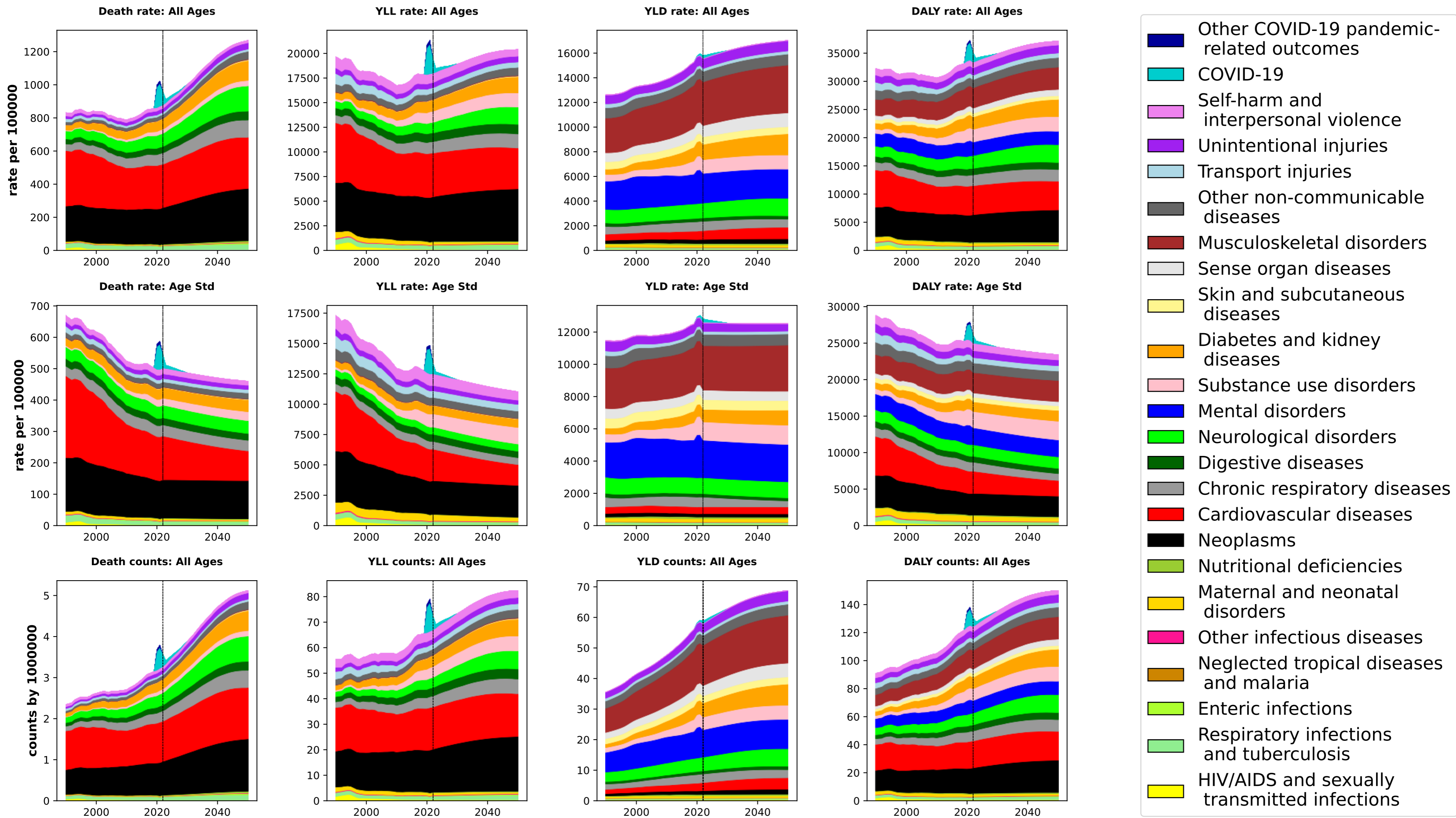
Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

927





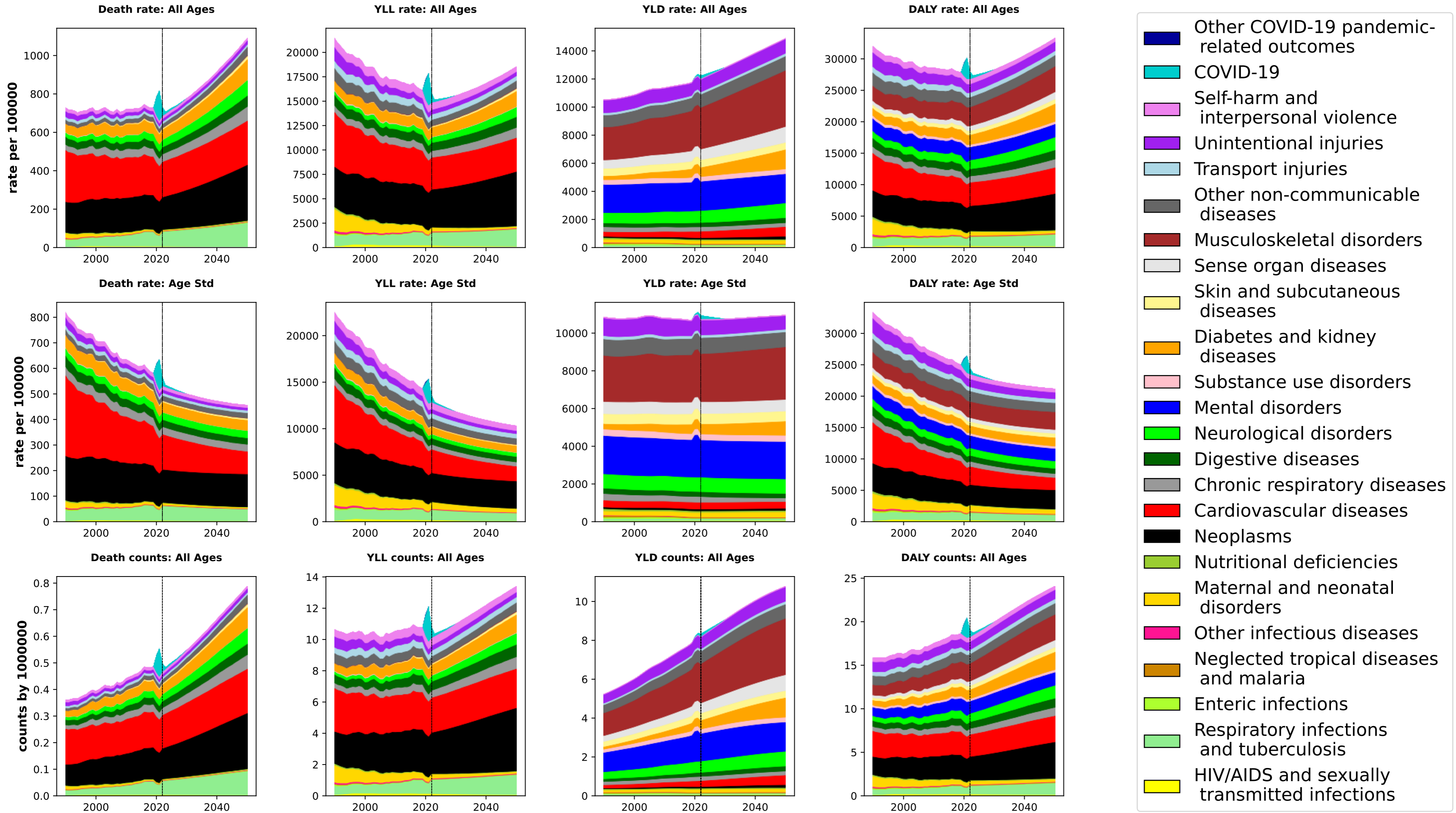
# High-income North America



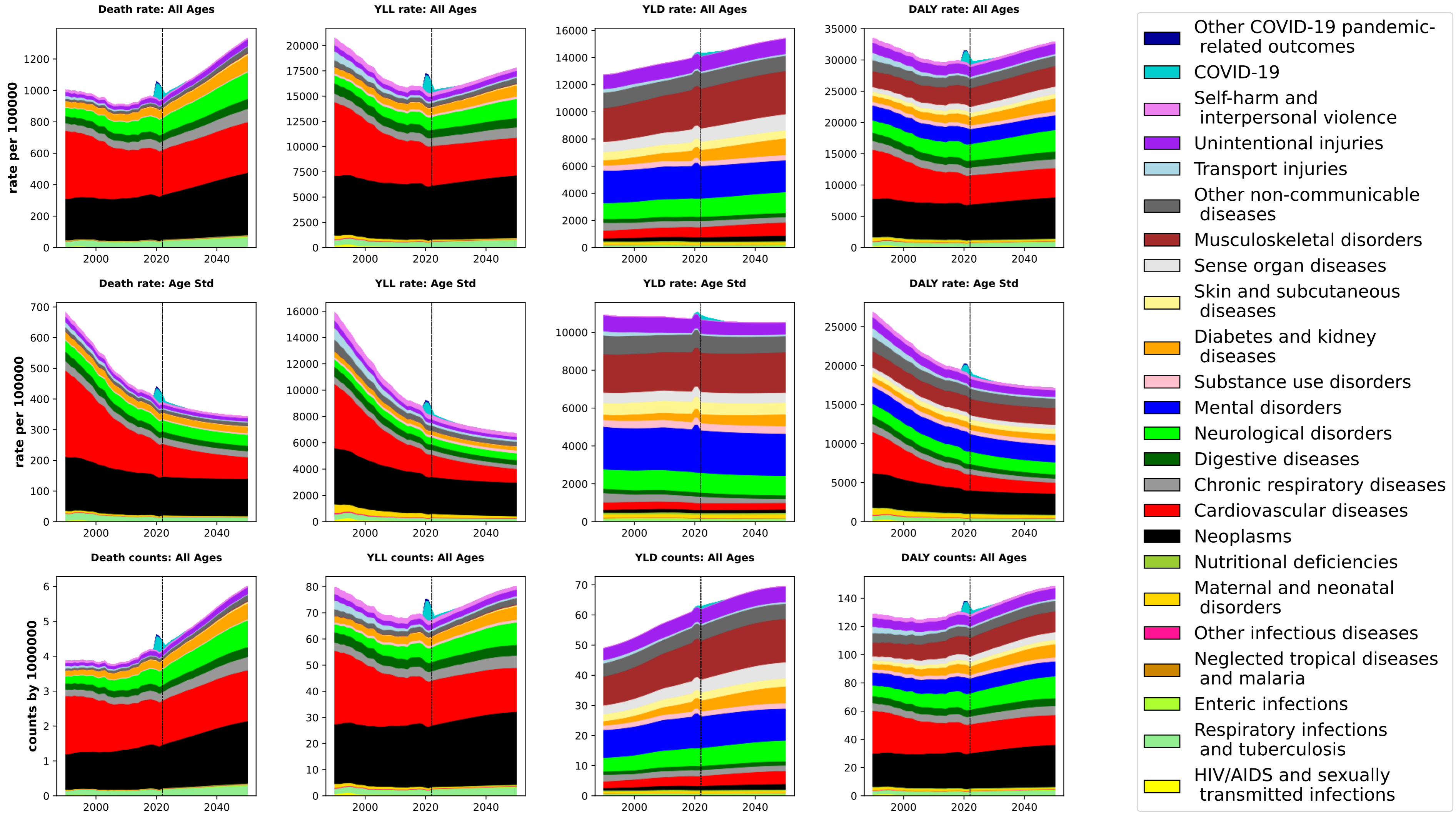
# Southern Latin America

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

929



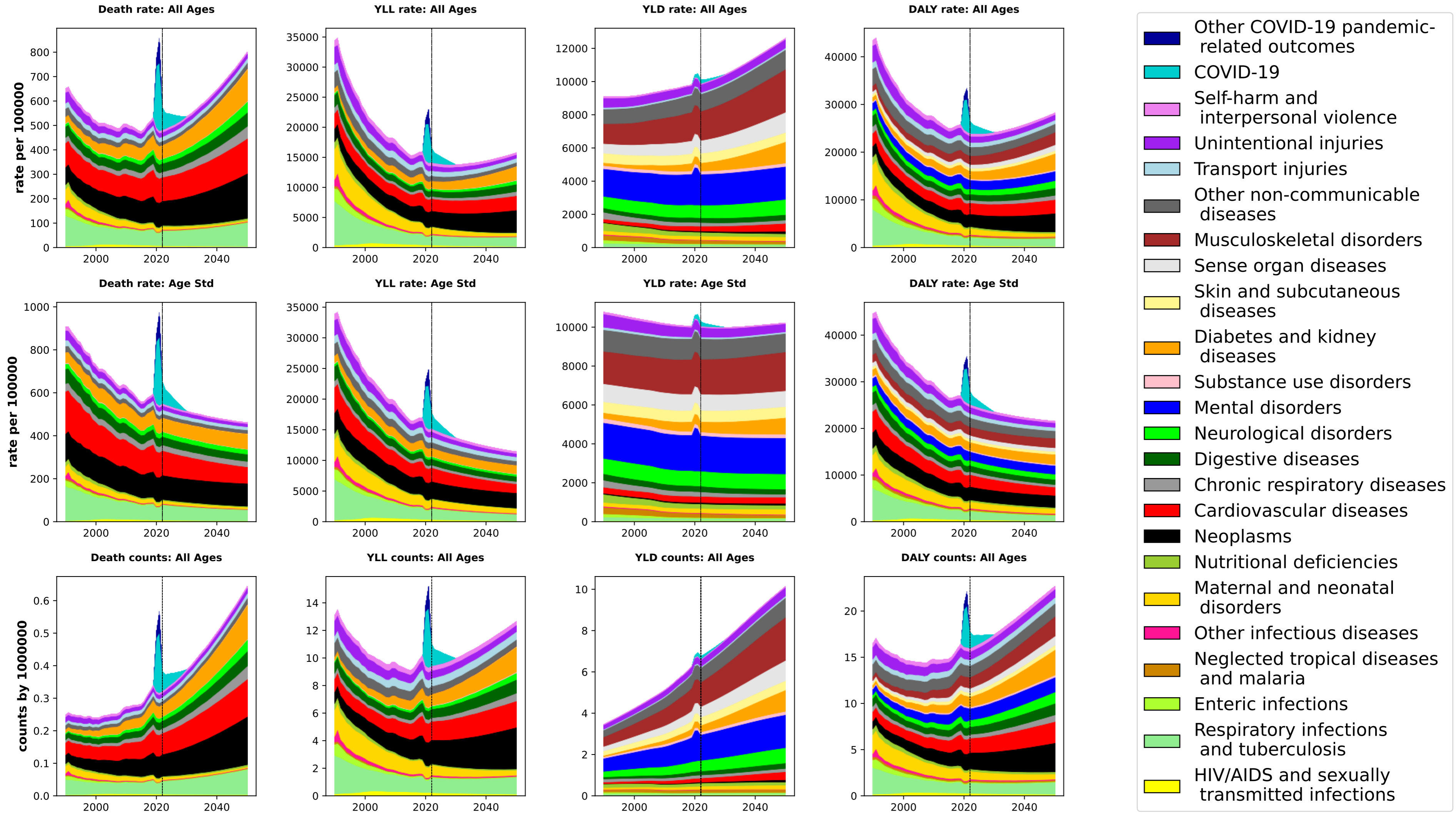
# Western Europe



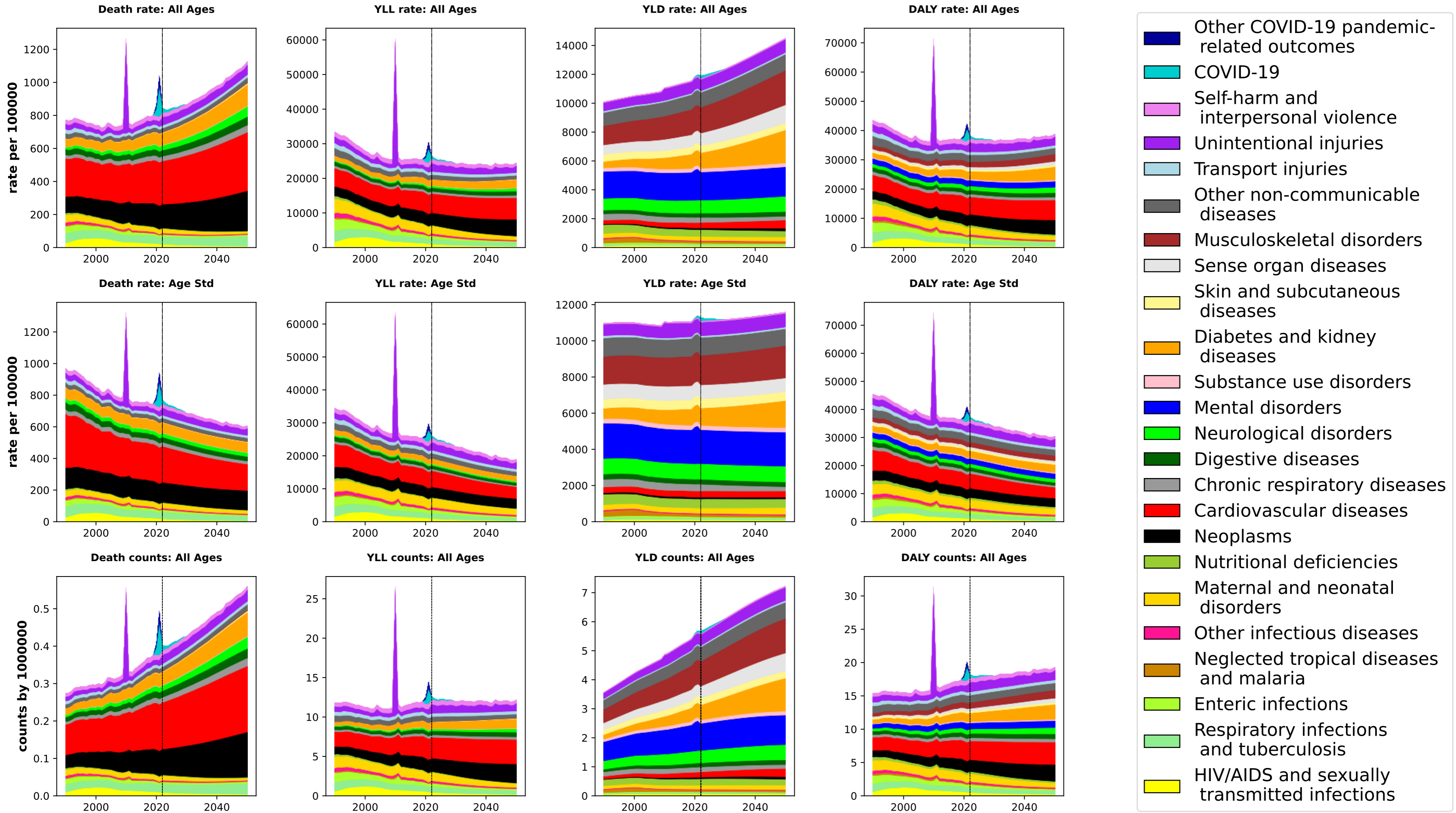
# Andean Latin America

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

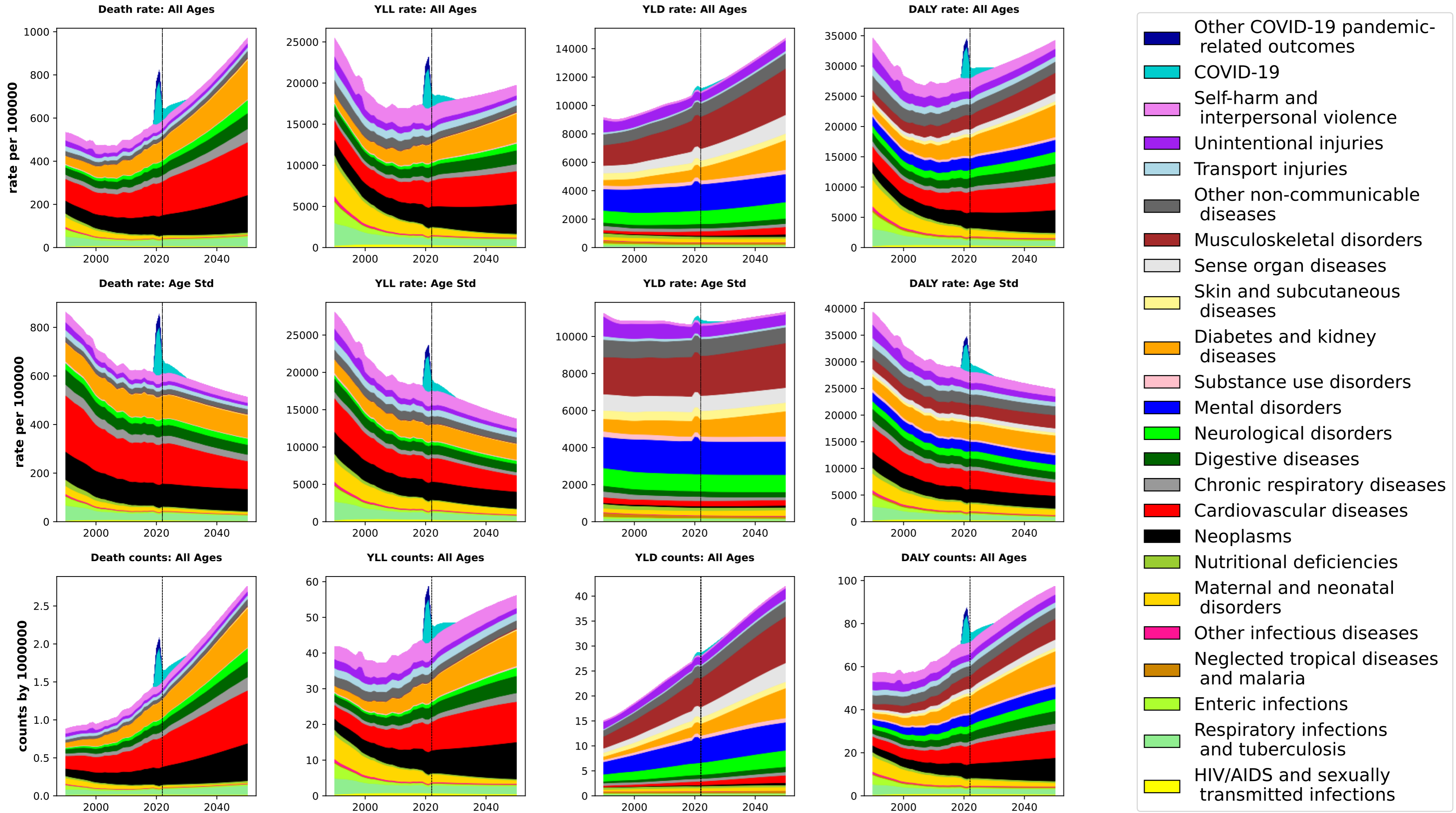
931



# Caribbean



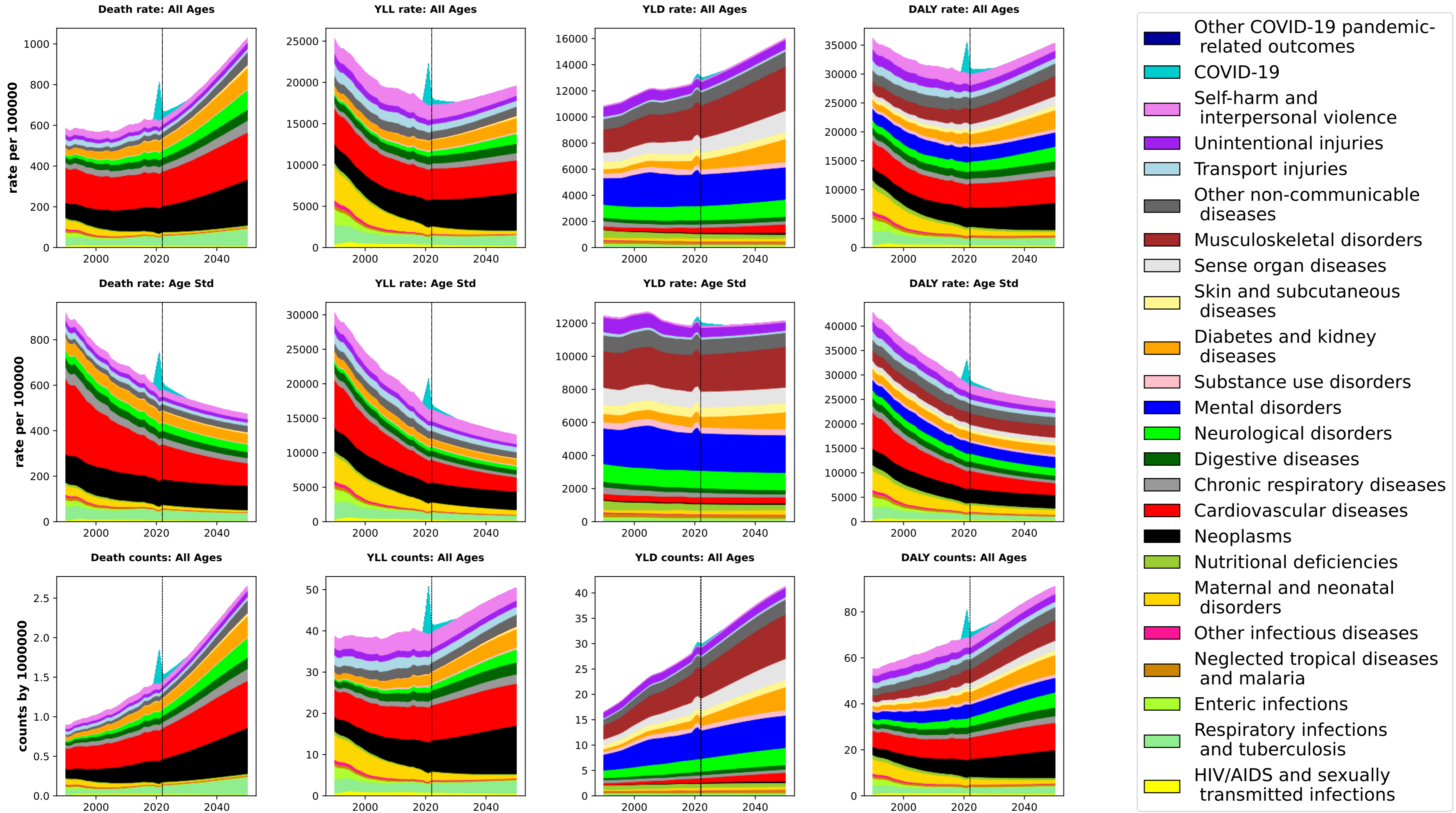
# Central Latin America



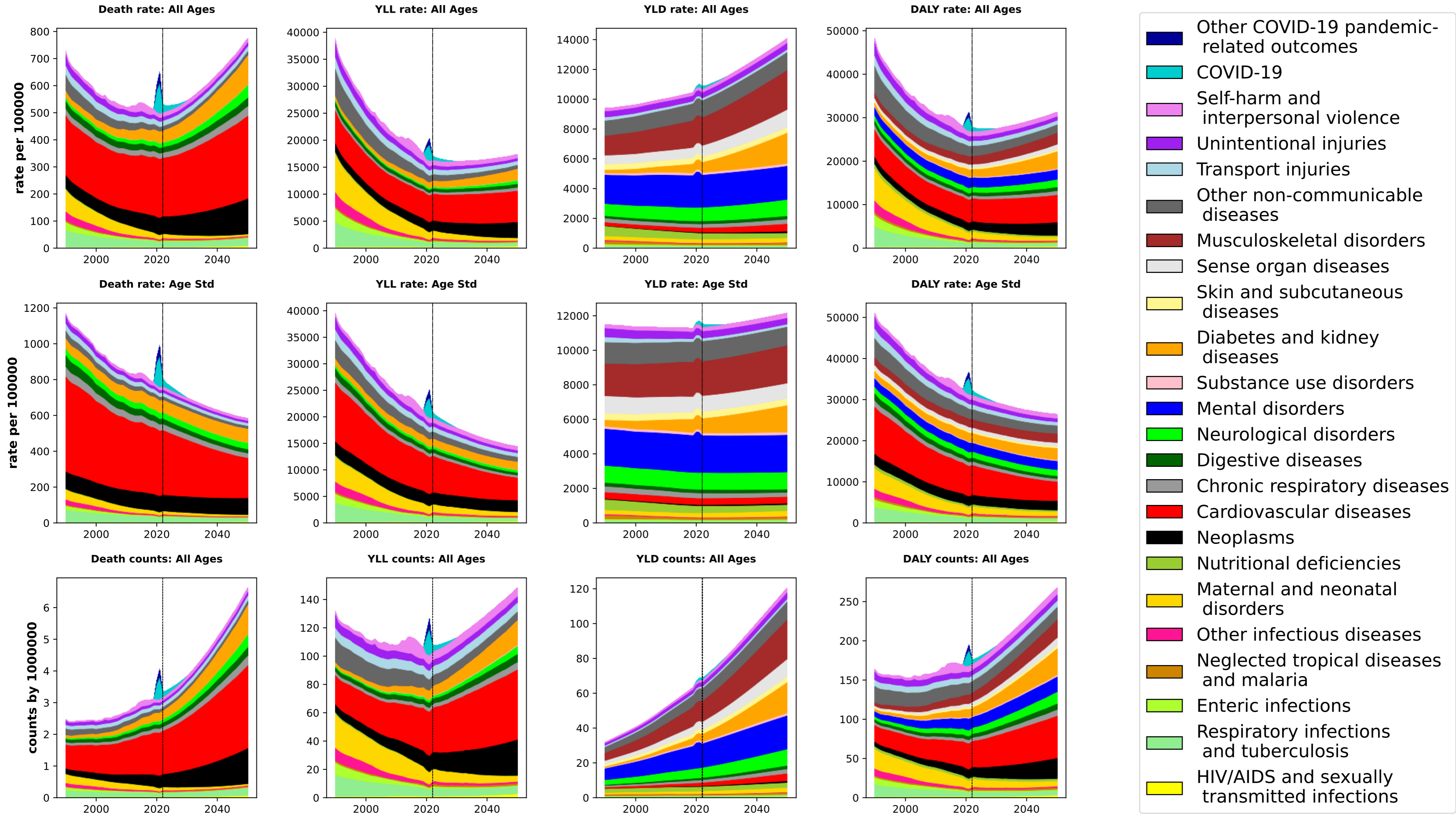
# Tropical Latin America

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

934

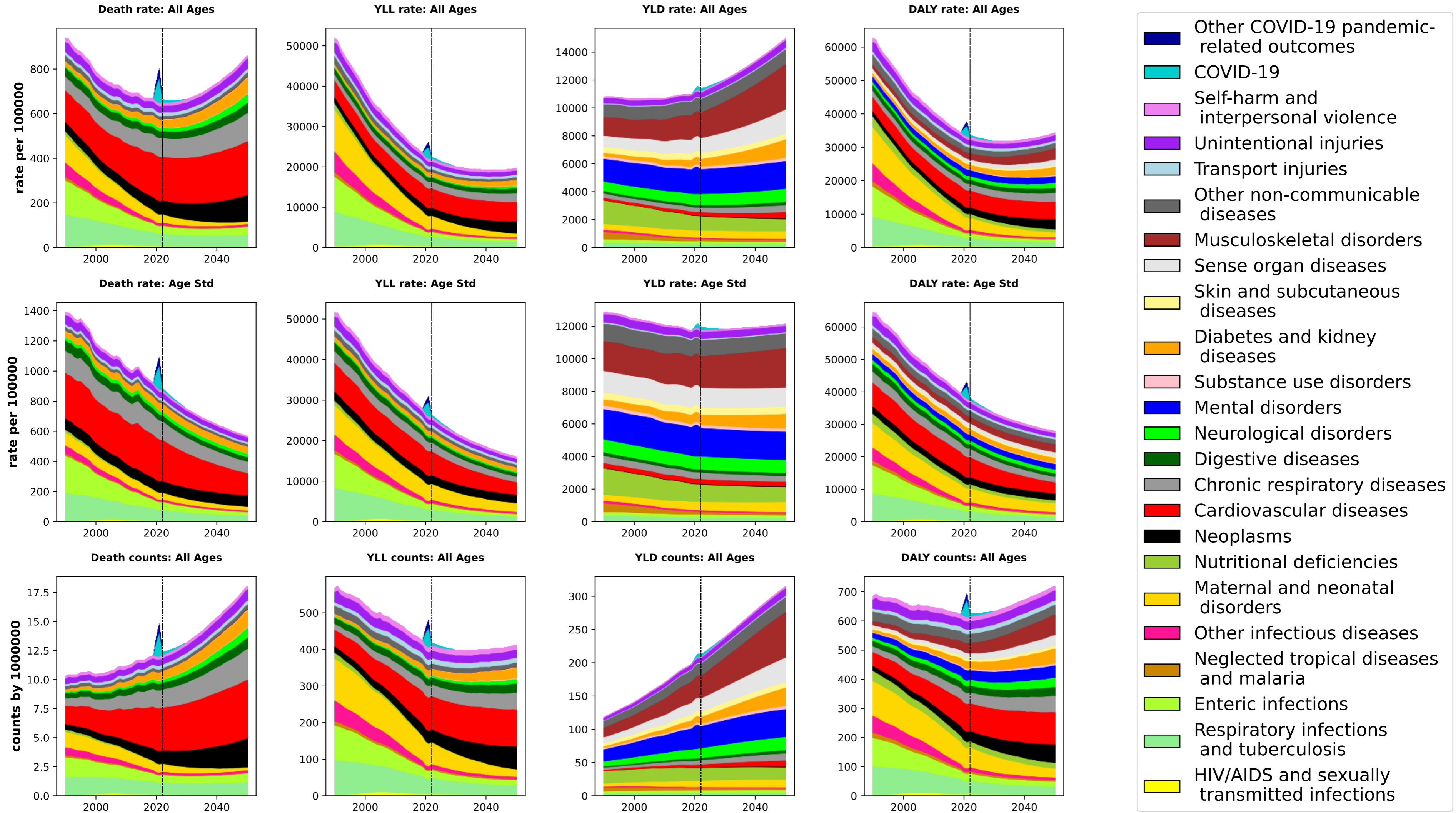


# North Africa and Middle East

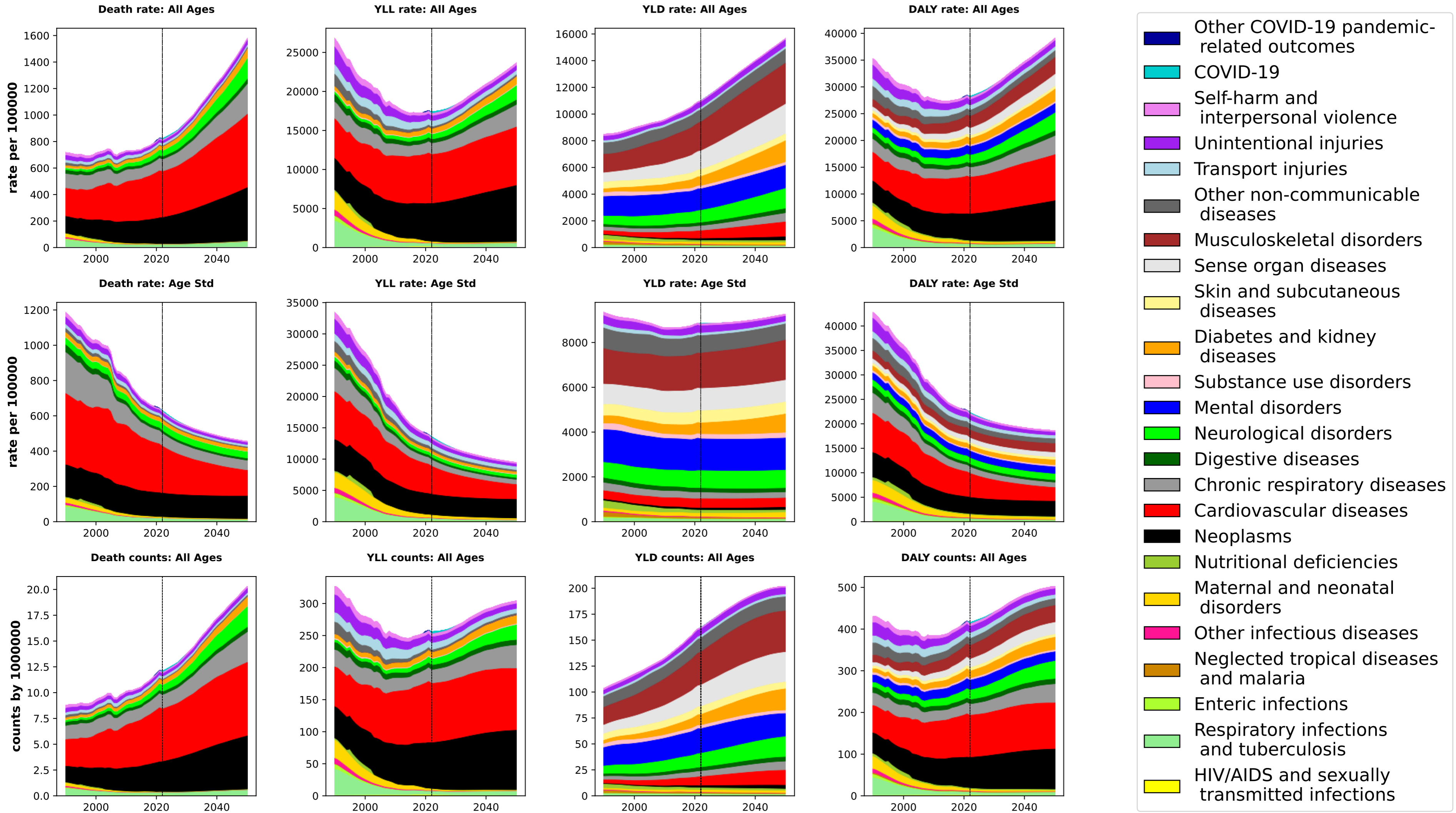




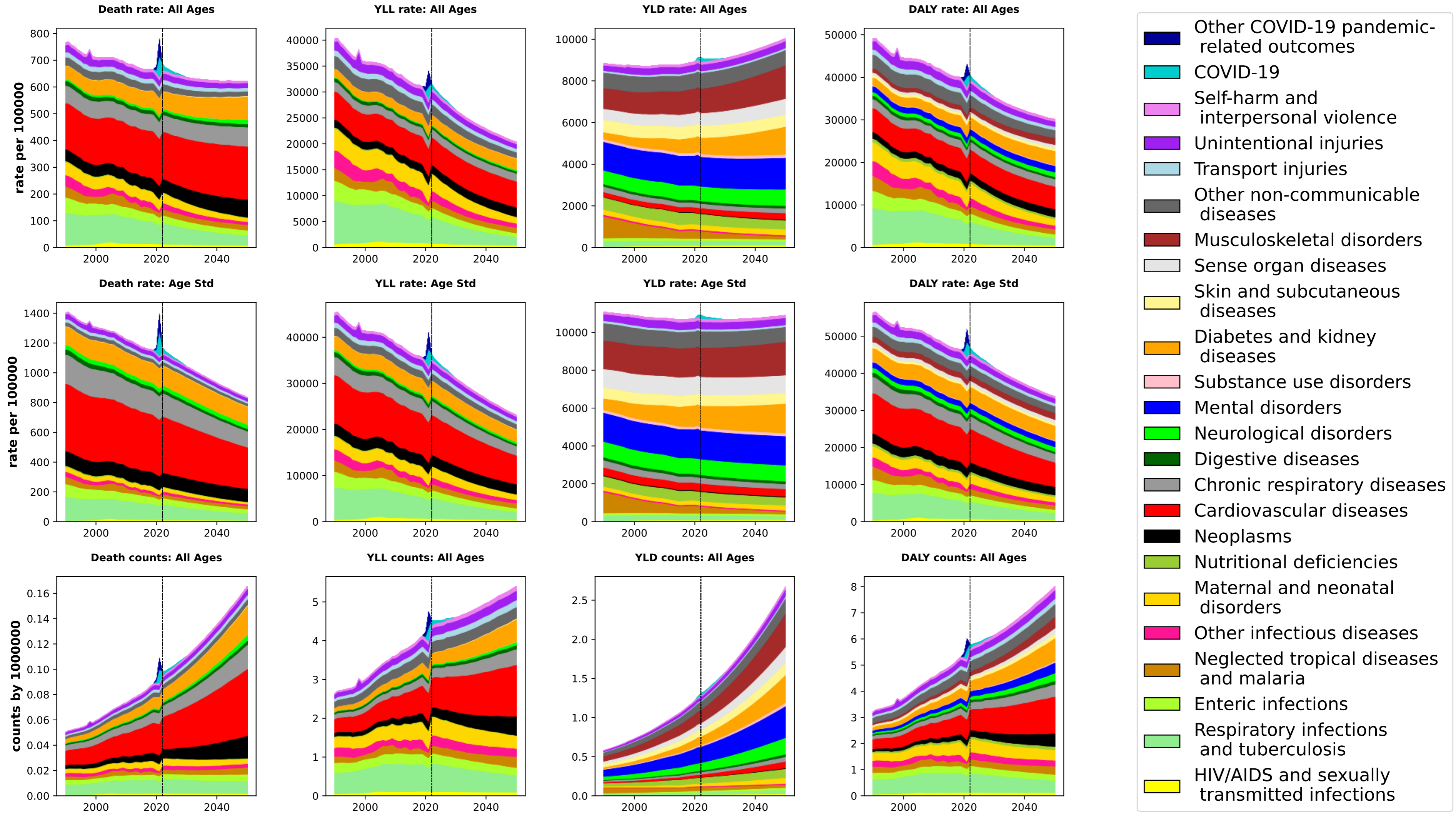
# South Asia



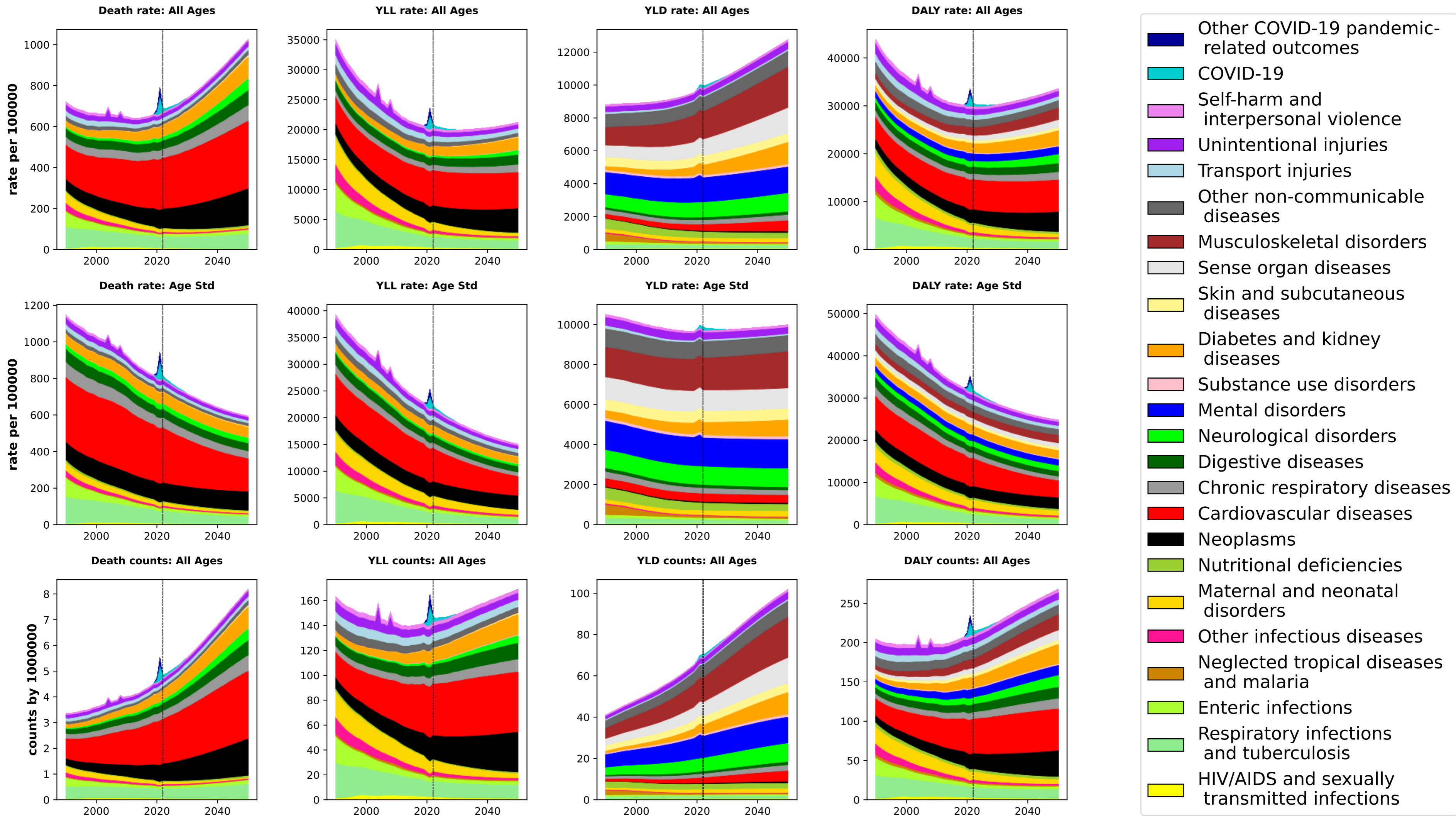
# East Asia



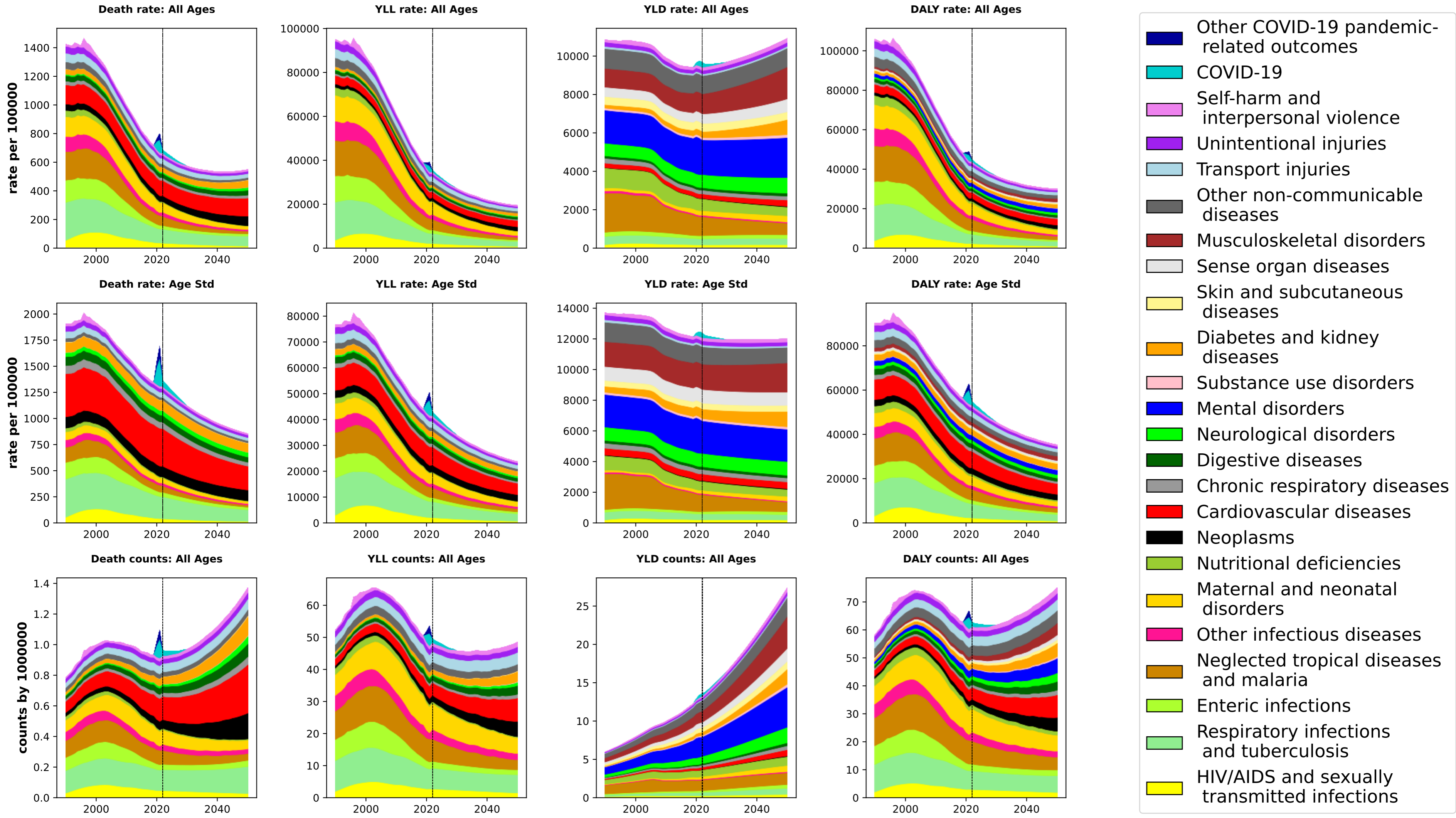
# Oceania



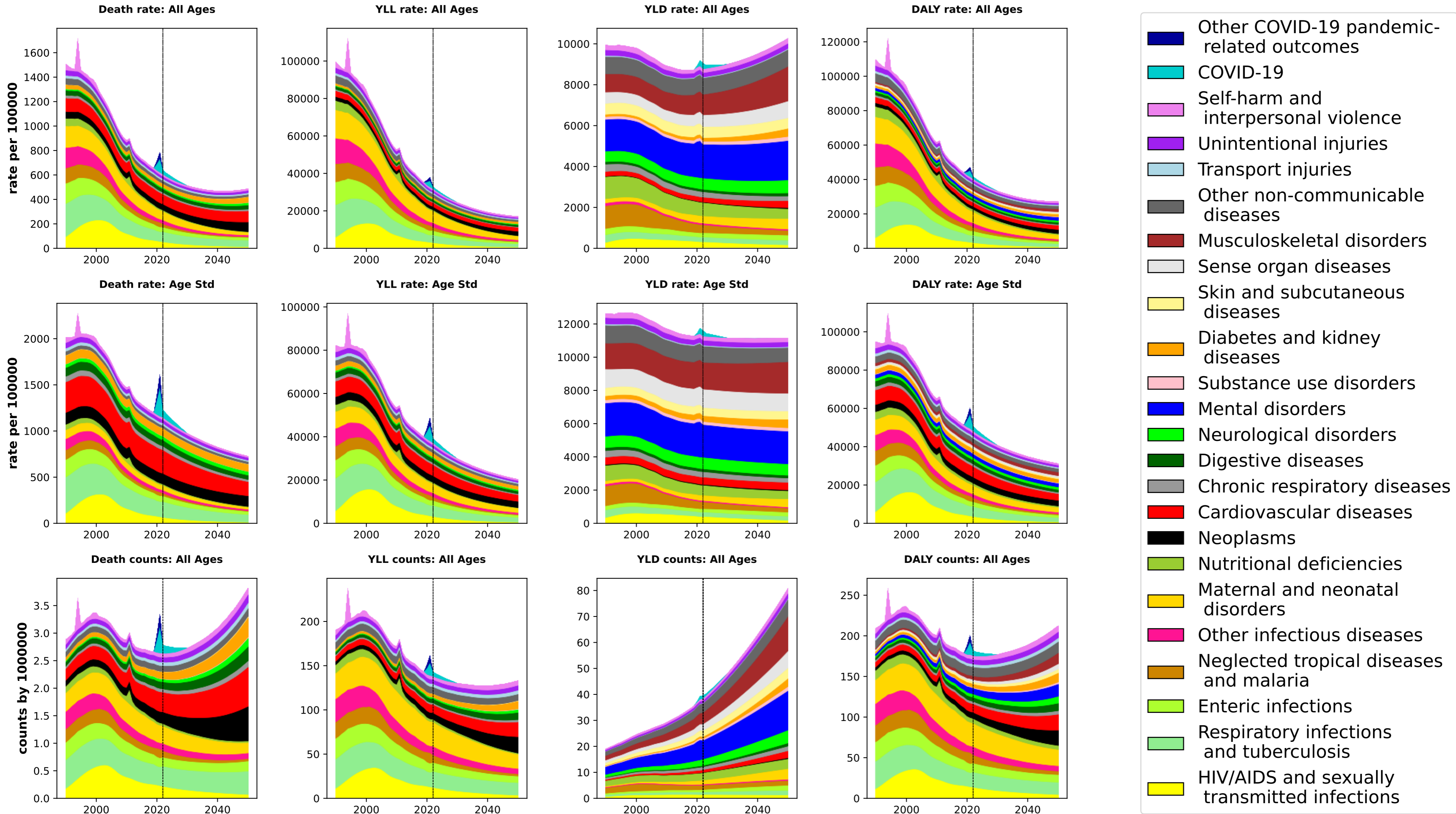
# Southeast Asia



# Central sub-Saharan Africa



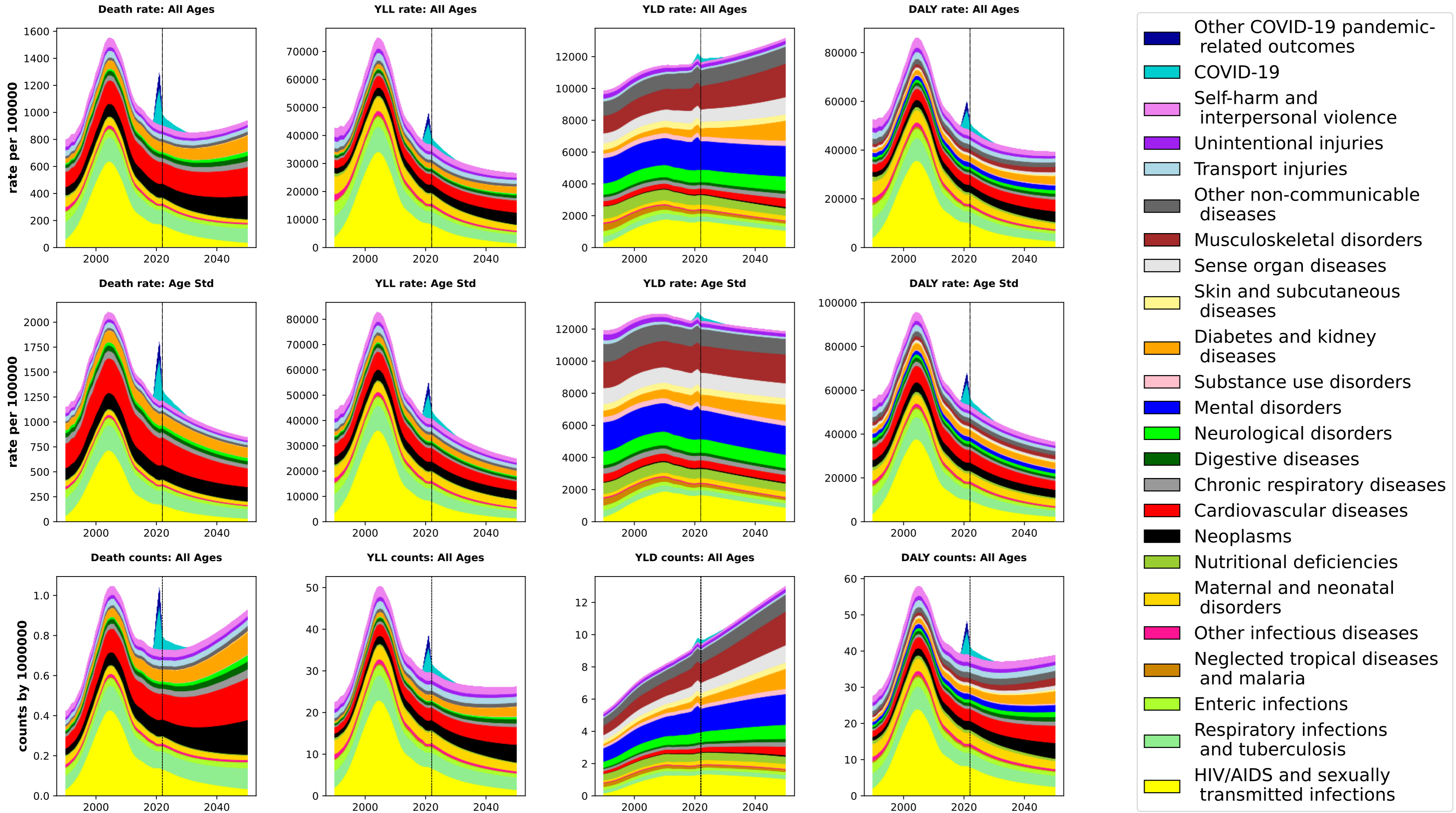
# Eastern sub-Saharan Africa



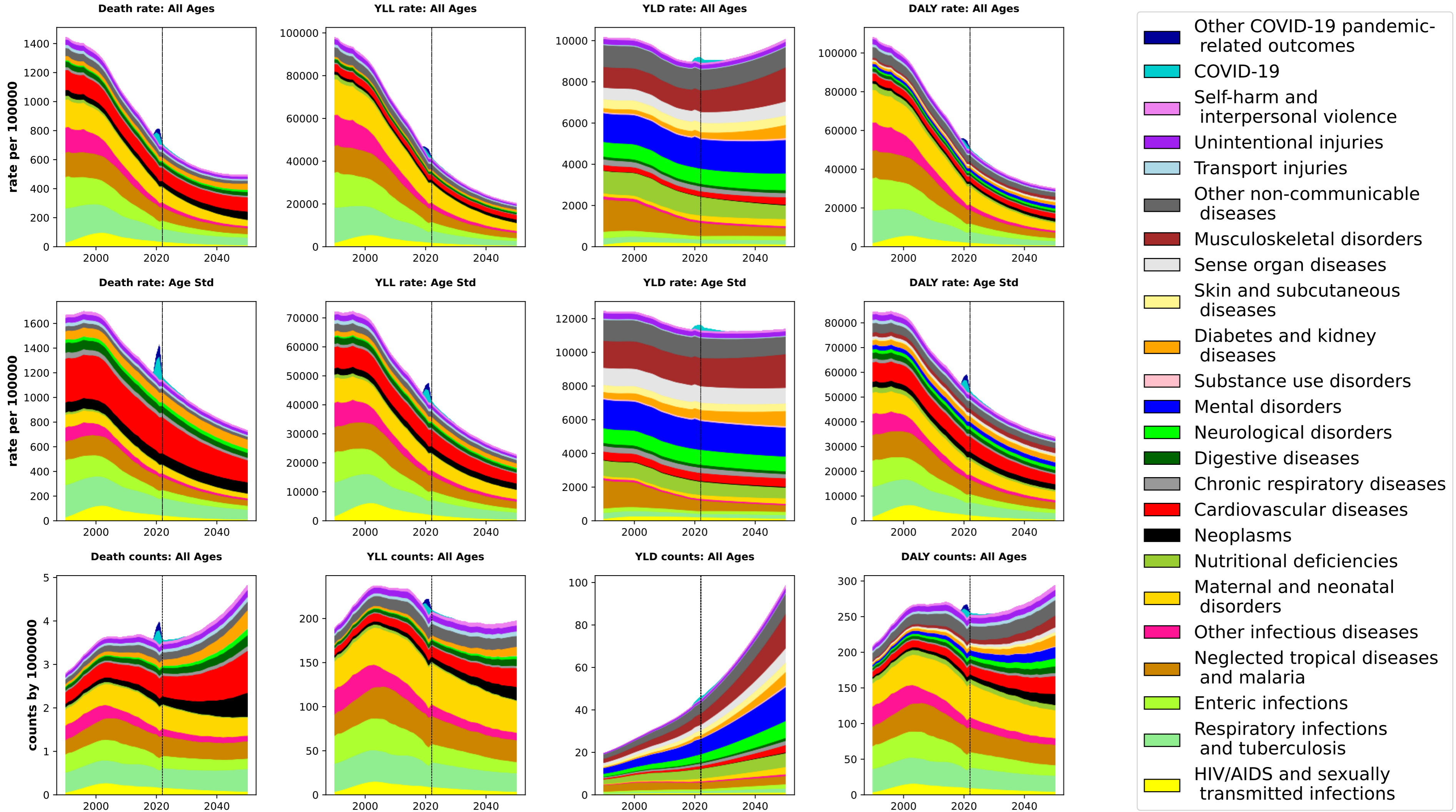
# Southern sub-Saharan Africa

Supplemental Results Figure S6. Cause level 2 area plots for 4 burden measures for reference scenario by location, 1990-2050

942



# Western sub-Saharan Africa





### Armenia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-19.8 (-46.6 to 16.8)	0.872 (-33.2 to 42.1)	<b>-52.9 (-70.3 to -25.5)</b>
2 COVID-19	2 Stroke	<b>-21.3 (-38.9 to -0.445)</b>	-1.09 (-19.5 to 20.7)	<b>-50.7 (-60.4 to -38.3)</b>
3 Stroke	3 Low back pain	-0.0186 (-18.2 to 19.1)	<b>25.5 (18.4 to 33.6)</b>	<b>-3.42 (-3.62 to -3.19)</b>
4 Low back pain	4 Alzheimer's disease	<b>116 (70 to 164)</b>	<b>172 (121 to 231)</b>	<b>-9.3 (-11.1 to -7.46)</b>
5 Diabetes	5 Diabetes	11.2 (-10.5 to 32.9)	<b>39.8 (21 to 59.1)</b>	-10.7 (-20.7 to 0.386)
6 Lung cancer	6 Lung cancer	8.19 (-21.5 to 51.9)	36.1 (-3.39 to 83.4)	-16.3 (-39.3 to 12.2)
7 Lower respiratory infect	7 Age-related hearing loss	<b>37.1 (15.6 to 60.9)</b>	<b>72.4 (56 to 90.1)</b>	<b>-0.474 (-0.635 to -0.336)</b>
8 Neonatal disorders	8 COPD	<b>68.7 (20.5 to 130)</b>	<b>112 (59.3 to 179)</b>	-6.51 (-32.9 to 26.1)
9 Depressive disorders	9 Lower respiratory infect	-6.8 (-29.5 to 22.8)	17.2 (-10.6 to 44.8)	<b>-45.6 (-58.9 to -32.4)</b>
10 Headache disorders	10 Pancreatic cancer	<b>64.4 (7.1 to 138)</b>	<b>107 (41.1 to 202)</b>	23.1 (-15.6 to 73.5)
11 Age-related hearing loss	11 Depressive disorders	-4.82 (-21.1 to 12.1)	<b>19.5 (12.7 to 28.3)</b>	<b>-2.48 (-2.81 to -2.11)</b>
12 Alzheimer's disease	12 Hypertensive heart disease	<b>60.6 (3.02 to 139)</b>	<b>102 (31.2 to 199)</b>	-10.6 (-43.8 to 39.4)
13 Road injuries	13 Colorectal cancer	27.6 (-16 to 90.1)	<b>60.5 (7.77 to 138)</b>	-8.45 (-37.7 to 33.4)
14 Cirrhosis liver	14 Cirrhosis liver	0.373 (-18.7 to 23.3)	<b>26.1 (6.44 to 47.1)</b>	-11.2 (-27.6 to 6.72)
15 COPD	15 Blindness and vision loss	<b>38.8 (14.5 to 61.4)</b>	<b>74.5 (57.2 to 95.9)</b>	<b>-3.69 (-4.02 to -3.43)</b>
16 Breast cancer	16 Breast cancer	12.7 (-21 to 51.1)	<b>41.6 (4.22 to 89.3)</b>	-13.1 (-34.1 to 14.1)
17 Colorectal cancer	17 Osteoarthritis	<b>34.5 (13.8 to 55.4)</b>	<b>69.1 (55.4 to 84.3)</b>	0.171 (-0.383 to 0.73)
18 Oral disorders	18 Headache disorders	<b>-23 (-39.3 to -7.51)</b>	-3.5 (-9.31 to 6.83)	<b>-0.969 (-1.23 to -0.613)</b>
19 Congenital defects	19 Oral disorders	15.4 (-6.43 to 35.9)	<b>44.9 (33 to 58.5)</b>	<b>0.917 (0.694 to 1.16)</b>
20 Blindness and vision loss	20 Chronic kidney disease	37 (-10.5 to 97.6)	<b>72.1 (16.3 to 145)</b>	-3.26 (-38.2 to 50.7)
22 Pancreatic cancer	21 Road injuries			
23 Osteoarthritis	24 Neonatal disorders			
24 Hypertensive heart disease	43 Congenital defects			
26 Chronic kidney disease	150 COVID-19			

### Azerbaijan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	42.5 (-13.1 to 109)	33.9 (-14.4 to 90.6)	-43.6 (-66.8 to -6.08)
2 COVID-19	2 Stroke	54.5 (17.1 to 96.7)	45 (16.7 to 78.2)	-36.8 (-50.9 to -16.9)
3 Stroke	3 Diabetes	75.5 (42 to 114)	64.7 (39.2 to 88.3)	-0.265 (-14.7 to 15.4)
4 Neonatal disorders	4 Low back pain	38.2 (17 to 59.8)	29.6 (22 to 37)	-3.29 (-3.48 to -3.1)
5 Lower respiratory infect	5 Cirrhosis liver	55.5 (23.5 to 91.3)	45.9 (23.1 to 73.5)	-9.52 (-25 to 10.5)
6 Low back pain	6 Alzheimer's disease	284 (179 to 401)	260 (178 to 350)	2.28 (0.45 to 4.48)
7 Diabetes	7 Hypertensive heart disease	166 (58.9 to 296)	150 (52.7 to 276)	8.05 (-37.4 to 74.5)
8 Cirrhosis liver	8 Age-related hearing loss	90.8 (59.2 to 126)	78.9 (61.7 to 98.5)	-0.477 (-0.621 to -0.324)
9 Headache disorders	9 COPD	144 (75.7 to 219)	129 (71.1 to 195)	0.968 (-28.2 to 40.6)
10 Depressive disorders	10 Neonatal disorders	-50.8 (-67.9 to -22.8)	-53.8 (-68.5 to -26.4)	-36.5 (-60 to 1.9)
11 Cardiomyopathy	11 Lower respiratory infect	-52.2 (-66.8 to -33.7)	-55.1 (-66.9 to -39.4)	-56.8 (-70.3 to -38.8)
12 Congenital defects	12 Lung cancer	60 (0.642 to 128)	49.8 (1.39 to 111)	-9.19 (-37.8 to 26.8)
13 Age-related hearing loss	13 Headache disorders	7.09 (-8.48 to 23.2)	0.49 (-5.33 to 10.8)	-0.679 (-0.862 to -0.437)
14 Lung cancer	14 Depressive disorders	27.5 (8.33 to 49)	19.5 (12.3 to 27.7)	-2.55 (-2.9 to -2.18)
15 Dietary iron deficiency	15 Chronic kidney disease	95.6 (20.6 to 190)	83.8 (16.7 to 172)	14.9 (-32.1 to 88.2)
16 Stomach cancer	16 Blindness and vision loss	94.4 (61.5 to 128)	82.3 (62.7 to 100)	-3.66 (-3.92 to -3.38)
17 Gynecological diseases	17 Cardiomyopathy	13 (-12 to 40.3)	6.01 (-13.1 to 27.1)	-23.3 (-34.8 to -9.2)
18 Alcohol use disorders	18 Liver cancer	125 (56.5 to 218)	112 (48.3 to 193)	21.7 (-13.1 to 76)
19 COPD	19 Osteoarthritis	93.8 (63.9 to 125)	81.8 (68.9 to 93.6)	-0.048 (-0.632 to 0.546)
20 Hypertensive heart disease	20 Oral disorders	57.4 (31.1 to 84.7)	47.6 (35.9 to 59.9)	0.966 (0.748 to 1.19)
21 Oral disorders	21 Stomach cancer			
24 Chronic kidney disease	24 Alcohol use disorders			
26 Blindness and vision loss	26 Dietary iron deficiency			
28 Osteoarthritis	33 Gynecological diseases			
30 Alzheimer's disease	37 Congenital defects			
34 Liver cancer	155 COVID-19			

### Georgia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	<b>-30.6 (-42.8 to -16.4)</b>	<b>-25.6 (-39.6 to -9.75)</b>	<b>-44.6 (-55.5 to -31.1)</b>
2 Ischemic heart disease	2 Ischemic heart disease	<b>-36.7 (-57.3 to -13.5)</b>	<b>-32.1 (-55 to -4.26)</b>	<b>-49 (-66.3 to -22.6)</b>
3 COVID-19	3 Hypertensive heart disease	27.2 (-16.9 to 80.6)	36.6 (-13.3 to 96.7)	-3.24 (-39.4 to 45.8)
4 Diabetes	4 Lung cancer	<b>45.1 (3.44 to 94.4)</b>	<b>55.1 (14.8 to 103)</b>	<b>38.4 (3.15 to 84.6)</b>
5 Hypertensive heart disease	5 Diabetes	2.1 (-14.5 to 17.6)	9.33 (-3.35 to 24.5)	-4.49 (-14 to 7.24)
6 Low back pain	6 Alzheimer's disease	<b>76.1 (40.2 to 113)</b>	<b>88.6 (57.3 to 122)</b>	-0.834 (-2.95 to 1.18)
7 Lung cancer	7 Low back pain	-1.08 (-15.1 to 13)	<b>5.79 (1.5 to 10.9)</b>	<b>-3.19 (-3.4 to -3.02)</b>
8 Lower respiratory infect	8 Cirrhosis liver	5.91 (-18.3 to 29.1)	13.3 (-5.34 to 35.3)	14.7 (-6.89 to 41.1)
9 Cirrhosis liver	9 Lower respiratory infect	-7.9 (-26 to 12.3)	-1.34 (-19.5 to 17.2)	<b>-26.3 (-40.9 to -10.8)</b>
10 Falls	10 Age-related hearing loss	<b>20 (2.33 to 35.4)</b>	<b>28.5 (17.5 to 40.8)</b>	<b>-0.572 (-0.669 to -0.45)</b>
11 Road injuries	11 Road injuries	-15 (-46.5 to 29.9)	-8.92 (-42.7 to 38.5)	-8.87 (-43.4 to 40.6)
12 Alzheimer's disease	12 Depressive disorders	-0.919 (-14.6 to 13.5)	<b>5.94 (1.97 to 9.65)</b>	<b>-1.92 (-2.2 to -1.65)</b>
13 Depressive disorders	13 Falls	<b>-18.5 (-33.5 to -0.631)</b>	<b>-12.9 (-23.6 to -2.21)</b>	<b>-21.8 (-32.3 to -10.4)</b>
14 Breast cancer	14 Breast cancer	-2.27 (-29 to 29.7)	4.46 (-21.3 to 34.6)	-8.03 (-29.9 to 17.1)
15 Neonatal disorders	15 Colorectal cancer	13 (-24.6 to 57)	20.8 (-19.4 to 69.2)	2.05 (-30.1 to 38.1)
16 Age-related hearing loss	16 Chronic kidney disease	29.6 (-14 to 81.7)	39 (-6.84 to 95.5)	12.2 (-28.1 to 70)
17 Headache disorders	17 COPD	21.6 (-9.4 to 55.9)	30.4 (-2.49 to 66.2)	-4.55 (-28.9 to 25.7)
18 Colorectal cancer	18 Headache disorders	-8.41 (-23.1 to 6.43)	<b>-2.16 (-4.22 to -0.162)</b>	-0.175 (-0.368 to 0.0135)
19 COPD	19 Blindness and vision loss	<b>19.2 (1.57 to 37.2)</b>	<b>27.6 (16.5 to 38.8)</b>	<b>-3.75 (-4.05 to -3.44)</b>
20 Stomach cancer	20 Oral disorders	7.7 (-7.3 to 23.1)	<b>15.2 (8.51 to 22.8)</b>	<b>0.685 (0.508 to 0.883)</b>
21 Chronic kidney disease	21 Neonatal disorders			
22 Blindness and vision loss	26 Stomach cancer			
23 Oral disorders	158 COVID-19			

### Kazakhstan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Ischemic heart disease	10.8 (-24.1 to 49.1)	-8.65 (-37.1 to 22.1)	<b>-51.2 (-69.1 to -26)</b>
2 Ischemic heart disease	2 Stroke	7.74 (-13.5 to 28.8)	-11.2 (-27.8 to 6.27)	<b>-48.8 (-59.8 to -33.6)</b>
3 Stroke	3 COPD	<b>78.2 (34.9 to 135)</b>	<b>46.9 (11.4 to 88.5)</b>	-11.5 (-37.6 to 19.6)
4 Cardiomyopathy	4 Low back pain	<b>35.4 (18.3 to 49.9)</b>	<b>11.5 (6.17 to 16.6)</b>	<b>-3.75 (-4.01 to -3.53)</b>
5 Cirrhosis liver	5 Cirrhosis liver	12.8 (-7.75 to 34.8)	-7.08 (-22.9 to 9.97)	<b>-23.2 (-36.9 to -6.8)</b>
6 Low back pain	6 Diabetes	<b>75.8 (54.6 to 96.3)</b>	<b>44.8 (33.6 to 56.5)</b>	<b>10.5 (2.7 to 18.8)</b>
7 Neonatal disorders	7 Cardiomyopathy	5.73 (-10.2 to 28.5)	-13 (-26 to 2.24)	<b>-25.3 (-36.8 to -9.96)</b>
8 COPD	8 Self-harm	1 (-24.9 to 31.4)	-16.8 (-33.8 to 6.05)	-15.2 (-33.2 to 8.64)
9 Self-harm	9 Depressive disorders	<b>31.3 (14.7 to 47.1)</b>	<b>8.06 (3.61 to 13.2)</b>	<b>-2.5 (-2.85 to -2.21)</b>
10 Lower respiratory infect	10 Alzheimer's disease	<b>200 (129 to 267)</b>	<b>147 (97.8 to 196)</b>	1.9 (-0.144 to 4.02)
11 Diabetes	11 Age-related hearing loss	<b>74.4 (51.6 to 95.4)</b>	<b>43.6 (31.7 to 55.5)</b>	<b>-0.589 (-0.843 to -0.348)</b>
12 Congenital defects	12 Lower respiratory infect	-8.44 (-27.2 to 12.2)	<b>-24.6 (-37.3 to -7.85)</b>	<b>-39.5 (-51.3 to -24.8)</b>
13 Road injuries	13 Alcohol use disorders	<b>19.6 (0.0183 to 37.9)</b>	-1.54 (-12.7 to 11.8)	1.24 (-9.4 to 15.9)
14 Depressive disorders	14 Headache disorders	<b>20.4 (5.4 to 33.7)</b>	-0.929 (-3.71 to 3.45)	<b>-0.347 (-0.487 to -0.189)</b>
15 Alcohol use disorders	15 Road injuries	3.24 (-38.3 to 68.2)	-14.8 (-48.8 to 36.8)	-14.4 (-48.7 to 38.6)
16 Headache disorders	16 Neonatal disorders	<b>-35 (-52.8 to -8.9)</b>	<b>-46.5 (-59.8 to -27.3)</b>	<b>-35.5 (-51.2 to -13.9)</b>
17 Falls	17 Chronic kidney disease	<b>102 (38.1 to 198)</b>	<b>66.2 (11.2 to 140)</b>	16 (-27.4 to 79.1)
18 Lung cancer	18 Lung cancer	30.1 (-12.4 to 78.4)	6.99 (-26.6 to 43.6)	-21.1 (-42.5 to 3.77)
19 Age-related hearing loss	19 Falls	10.4 (-7.77 to 29.2)	-9.15 (-21.1 to 3.69)	<b>-16.8 (-28.3 to -4.35)</b>
20 Dietary iron deficiency	20 Oral disorders	<b>51.3 (30.2 to 69.5)</b>	<b>24.5 (16.4 to 34)</b>	<b>0.605 (0.419 to 0.82)</b>
23 Oral disorders	25 Dietary iron deficiency			
25 Chronic kidney disease	26 Congenital defects			
31 Alzheimer's disease	153 COVID-19			

### Kyrgyzstan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Ischemic heart disease	<b>72.3 (10.2 to 152)</b>	43.8 (-5.27 to 114)	-32.8 (-60.5 to 9.58)
2 Ischemic heart disease	2 Stroke	<b>32.6 (0.464 to 69.2)</b>	10.6 (-13.2 to 40)	<b>-37.9 (-53.3 to -16.9)</b>
3 Neonatal disorders	3 Neonatal disorders	-32.6 (-62.2 to 10.1)	<b>-43.9 (-65.9 to -10.3)</b>	-26.5 (-56.3 to 16.6)
4 Stroke	4 Low back pain	<b>51.1 (23.4 to 76)</b>	<b>25.8 (18.7 to 33.5)</b>	<b>-3.35 (-3.52 to -3.11)</b>
5 Cirrhosis liver	5 Cirrhosis liver	28.3 (-3.14 to 60.5)	6.91 (-12.6 to 30.4)	-16.2 (-33.4 to 3.85)
6 Low back pain	6 COPD	<b>166 (88.8 to 246)</b>	<b>122 (64.9 to 194)</b>	8.89 (-25.9 to 58.1)
7 Road injuries	7 Diabetes	<b>124 (82 to 165)</b>	<b>86.8 (66.1 to 109)</b>	<b>22.4 (10 to 35.2)</b>
8 Lower respiratory infect	8 Road injuries	2.16 (-45 to 81.5)	-14.8 (-51.9 to 48.9)	-17.4 (-53.3 to 43.8)
9 Congenital defects	9 Depressive disorders	<b>42.4 (16.3 to 66.6)</b>	<b>18.5 (12.3 to 25.3)</b>	<b>-2.17 (-2.5 to -1.85)</b>
10 Depressive disorders	10 Alzheimer's disease	<b>279 (176 to 387)</b>	<b>215 (146 to 299)</b>	<b>11.5 (8.53 to 14.3)</b>
11 Headache disorders	11 Headache disorders	<b>26.4 (3.75 to 50.2)</b>	<b>5.2 (0.366 to 13.7)</b>	-0.125 (-0.297 to 0.00915)
12 Alcohol use disorders	12 Age-related hearing loss	<b>96.4 (59.5 to 132)</b>	<b>63.5 (49 to 79)</b>	<b>-0.601 (-0.737 to -0.431)</b>
13 Dietary iron deficiency	13 Alcohol use disorders	<b>31.2 (1.54 to 62)</b>	9.24 (-6.35 to 28.2)	-1.76 (-14.9 to 15.6)
14 Self-harm	14 Hypertensive heart disease	<b>171 (59.7 to 304)</b>	<b>126 (38.2 to 235)</b>	12.6 (-34.9 to 82.4)
15 Diabetes	15 Lung cancer	<b>117 (35.5 to 205)</b>	<b>80.6 (24.2 to 157)</b>	8.96 (-21.9 to 50.7)
16 COPD	16 Chronic kidney disease	<b>94 (14.8 to 205)</b>	62 (-2 to 155)	16.2 (-33.3 to 93.6)
17 Age-related hearing loss	17 Dietary iron deficiency	1.32 (-17.9 to 22.1)	<b>-15.7 (-18.6 to -13)</b>	<b>-9.68 (-10 to -9.22)</b>
18 Falls	18 Self-harm	0.537 (-28.1 to 34.1)	-16.2 (-37.9 to 9.51)	-19.1 (-40.3 to 6.76)
19 Stomach cancer	19 Lower respiratory infect	<b>-40.5 (-56.9 to -21.5)</b>	<b>-50.4 (-63.3 to -35.5)</b>	<b>-48.8 (-62.2 to -31.5)</b>
20 Gynecological diseases	20 Oral disorders	<b>70.3 (39.6 to 103)</b>	<b>41.8 (31.1 to 53.4)</b>	<b>0.968 (0.745 to 1.2)</b>
23 Oral disorders	22 Stomach cancer			
24 Chronic kidney disease	24 Congenital defects			
27 Hypertensive heart disease	26 Falls			
28 Lung cancer	27 Gynecological diseases			
35 Alzheimer's disease	152 COVID-19			

### Mongolia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Liver cancer	192 (104 to 301)	81.3 (26 to 155)	30.3 (-14.2 to 90.9)
2 Stroke	2 Ischemic heart disease	46.5 (-3.84 to 111)	-8.96 (-40.5 to 33.5)	<b>-47.6 (-69.2 to -14.2)</b>
3 Liver cancer	3 Stroke	55.1 (24.3 to 90.8)	-3.67 (-24.4 to 21.8)	<b>-36.3 (-51.7 to -18.2)</b>
4 Neonatal disorders	4 Alcohol use disorders	50.4 (19.3 to 93)	-6.67 (-26 to 16.7)	-3.88 (-23.7 to 22.4)
5 Alcohol use disorders	5 Cirrhosis liver	124 (79.9 to 168)	39 (11.2 to 69.8)	13.4 (-10.3 to 41)
6 Lower respiratory infect	6 Low back pain	80.7 (65.7 to 97)	12 (5.57 to 20)	<b>-3.88 (-4.12 to -3.55)</b>
7 Low back pain	7 Neonatal disorders	5.23 (-28 to 53.9)	<b>-34.7 (-54.3 to -4.9)</b>	-21 (-44.8 to 14.4)
8 Road injuries	8 Self-harm	66.4 (26.2 to 127)	3.24 (-22.2 to 38.9)	1.72 (-23 to 39)
9 Cirrhosis liver	9 Road injuries	45.1 (-10 to 127)	-9.88 (-43.6 to 44.3)	-9.94 (-43.4 to 44.7)
10 COVID-19	10 Depressive disorders	75.3 (60.9 to 89.4)	8.71 (3.52 to 14.7)	<b>-2.02 (-2.34 to -1.58)</b>
11 Self-harm	11 Stomach cancer	42.5 (20.3 to 61.2)	-11.6 (-25 to 1.52)	<b>-36.5 (-44 to -29.2)</b>
12 Stomach cancer	12 Diabetes	109 (84.8 to 135)	29.5 (15.3 to 45.9)	1.27 (-9.51 to 14.7)
13 Congenital defects	13 Lung cancer	125 (43 to 223)	39.6 (-8.15 to 99.4)	-2.7 (-32.4 to 33.3)
14 Depressive disorders	14 Falls	61 (34.3 to 86.7)	-0.174 (-17.7 to 12.7)	-6.85 (-21.3 to 5.76)
15 Tuberculosis	15 Headache disorders	65.7 (53.3 to 80)	2.71 (-0.653 to 6.77)	<b>0.241 (0.0535 to 0.486)</b>
16 Falls	16 Age-related hearing loss	131 (104 to 157)	43.2 (29.8 to 56)	<b>-0.959 (-1.05 to -0.861)</b>
17 Dietary iron deficiency	17 Esophageal cancer	172 (134 to 217)	68.8 (44.8 to 96.8)	8.35 (-6.3 to 23.1)
18 Headache disorders	18 Cardiomyopathy	83.5 (49.3 to 131)	13.8 (-6.67 to 48.2)	-0.394 (-18.8 to 25.2)
19 Diabetes	19 Dietary iron deficiency	30.8 (16.8 to 45.3)	<b>-19 (-21.5 to -16.9)</b>	<b>-12.9 (-13.1 to -12.5)</b>
20 Lung cancer	20 Alzheimer's disease	338 (244 to 436)	171 (109 to 234)	3.95 (1.57 to 6.29)
21 Cardiomyopathy	21 Lower respiratory infect			
23 Age-related hearing loss	24 Congenital defects			
27 Esophageal cancer	36 Tuberculosis			
41 Alzheimer's disease	157 COVID-19			

### Tajikistan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Ischemic heart disease	124 (37.9 to 215)	50.5 (-6.58 to 134)	-29.4 (-59.8 to 18)
2 Neonatal disorders	2 Stroke	102 (50 to 151)	35.4 (1.08 to 70.4)	-33.4 (-52.7 to -12.2)
3 Ischemic heart disease	3 Neonatal disorders	-23.1 (-54.7 to 29.5)	-48.4 (-69 to -9.69)	-30.4 (-58.5 to 21.5)
4 Stroke	4 Lower respiratory infect	-54.6 (-68.4 to -38.5)	-69.6 (-77.5 to -58.5)	-62.8 (-72.4 to -49.2)
5 COVID-19	5 Low back pain	85 (54.3 to 117)	23.7 (17.3 to 30.6)	-3.87 (-4.17 to -3.57)
6 Diarrheal diseases	6 Diabetes	146 (101 to 198)	64.5 (40 to 95.1)	6.33 (-10.7 to 26.1)
7 Congenital defects	7 Hypertensive heart disease	204 (82.9 to 355)	104 (19.7 to 224)	-5.59 (-47.6 to 64.3)
8 Low back pain	8 Cirrhosis liver	50.2 (13.4 to 89.5)	0.597 (-22.2 to 25.6)	-23.3 (-41.2 to -4.98)
9 Dietary iron deficiency	9 Headache disorders	57.9 (29.1 to 87)	5.55 (1.64 to 13.1)	0.0824 (-0.0595 to 0.226)
10 Cirrhosis liver	10 COPD	142 (67.7 to 218)	62.1 (13.9 to 117)	-20.2 (-46.9 to 17.5)
11 Headache disorders	11 Dietary iron deficiency	24.4 (2.97 to 49.4)	-16.9 (-19 to -14.7)	-11.9 (-12.2 to -11.7)
12 Diabetes	12 Age-related hearing loss	140 (97.4 to 183)	60.8 (47.2 to 75.4)	-0.865 (-0.96 to -0.765)
13 Falls	13 Depressive disorders	74.8 (45.9 to 109)	16.8 (11.5 to 23.2)	-2.13 (-2.63 to -1.66)
14 Idiopathic epilepsy	14 Alzheimer's disease	350 (228 to 476)	201 (135 to 269)	0.847 (-1.89 to 3.15)
15 Depressive disorders	15 Congenital defects	-27.8 (-45.8 to -7.7)	-51.7 (-61.3 to -41.3)	-36 (-47.2 to -22.2)
16 Drowning	16 Falls	26.3 (-1.57 to 62.4)	-15.5 (-29.9 to 3.61)	-19 (-30.4 to -4.17)
17 Road injuries	17 Idiopathic epilepsy	28.5 (-27.6 to 105)	-13.7 (-51.7 to 41.5)	-9.95 (-49.9 to 45.4)
18 Tuberculosis	18 Oral disorders	111 (73.9 to 149)	40.9 (30.8 to 51.2)	0.707 (0.393 to 1.06)
19 COPD	19 Road injuries	22.8 (-32.6 to 100)	-17.5 (-54.7 to 42.3)	-18.2 (-55.6 to 44.9)
20 Age-related hearing loss	20 Blindness and vision loss	144 (102 to 194)	63.3 (47.4 to 77.8)	-5.22 (-5.65 to -4.75)
23 Hypertensive heart disease	22 Diarrheal diseases			
27 Oral disorders	32 Drowning			
31 Blindness and vision loss	44 Tuberculosis			
41 Alzheimer's disease	151 COVID-19			

### Turkmenistan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	21.4 (-28.1 to 83.5)	-3.52 (-40.8 to 48.7)	<b>-48.8 (-72.1 to -9.95)</b>
2 Stroke	2 Stroke	11.5 (-16.4 to 54.3)	-11.5 (-34.2 to 23.4)	<b>-45.7 (-61.9 to -19.3)</b>
3 Lower respiratory infect	3 Cirrhosis liver	<b>38.4 (6.3 to 80.1)</b>	9.87 (-16.7 to 47.5)	-5.55 (-27.7 to 24.8)
4 Cirrhosis liver	4 Low back pain	<b>52.6 (31.4 to 72)</b>	<b>20.8 (12.8 to 29.4)</b>	<b>-3.48 (-3.78 to -3.16)</b>
5 Neonatal disorders	5 Neonatal disorders	-35.3 (-63.2 to 11.9)	<b>-48.6 (-69.3 to -13.5)</b>	-34.8 (-60.7 to 6.73)
6 COVID-19	6 Diabetes	<b>49.2 (18.6 to 91.8)</b>	18.4 (-5.15 to 47.4)	-15.1 (-33.3 to 9.67)
7 Congenital defects	7 Lower respiratory infect	<b>-56.3 (-70.1 to -36.8)</b>	<b>-65.3 (-75.4 to -51.3)</b>	<b>-60.5 (-72 to -43.8)</b>
8 Low back pain	8 Chronic kidney disease	<b>76 (2.11 to 213)</b>	40 (-20.5 to 139)	9.57 (-42.5 to 98.6)
9 Diabetes	9 Age-related hearing loss	<b>95.5 (56.7 to 131)</b>	<b>54.7 (34.2 to 75.5)</b>	<b>-0.616 (-0.865 to -0.398)</b>
10 Headache disorders	10 Depressive disorders	<b>43.8 (23.9 to 64.1)</b>	<b>13.9 (7.84 to 21.3)</b>	<b>-2.5 (-3.17 to -1.96)</b>
11 Chronic kidney disease	11 Headache disorders	<b>30.6 (14 to 47)</b>	3.46 (-0.613 to 10.9)	<b>0.586 (0.169 to 0.896)</b>
12 Depressive disorders	12 Alzheimer's disease	<b>235 (121 to 364)</b>	<b>165 (82.4 to 244)</b>	-1.43 (-3.68 to 0.647)
13 Cardiomyopathy	13 Hypertensive heart disease	<b>126 (33.4 to 264)</b>	<b>79.4 (5.49 to 192)</b>	0.725 (-47 to 76.2)
14 Self-harm	14 Congenital defects	<b>-40.2 (-54.1 to -23.4)</b>	<b>-52.6 (-60.7 to -40.6)</b>	<b>-39.9 (-48.6 to -26.6)</b>
15 Dietary iron deficiency	15 Cardiomyopathy	14.6 (-6.16 to 42)	-9.25 (-23.4 to 8.4)	<b>-23.8 (-34.3 to -11.7)</b>
16 Alcohol use disorders	16 Self-harm	12.9 (-22.7 to 62.2)	-10.4 (-38 to 28)	-9.78 (-37.7 to 29)
17 Age-related hearing loss	17 Urinary diseases	<b>83.2 (31.9 to 154)</b>	<b>45.5 (6.42 to 102)</b>	7.85 (-25.9 to 58.9)
18 Road injuries	18 Alcohol use disorders	<b>26 (6.51 to 54)</b>	-0.116 (-12 to 19.2)	-4.62 (-15.9 to 11.3)
19 Tuberculosis	19 Dietary iron deficiency	6.45 (-9.25 to 22.4)	<b>-15.8 (-18.5 to -13)</b>	<b>-8.91 (-9.54 to -8.3)</b>
20 Hypertensive heart disease	20 Blindness and vision loss	<b>95.6 (56.4 to 133)</b>	<b>54.8 (34.1 to 75.4)</b>	<b>-4.39 (-4.73 to -4.08)</b>
23 Urinary diseases	25 Road injuries			
27 Blindness and vision loss	51 Tuberculosis			
38 Alzheimer's disease	150 COVID-19			



### Uzbekistan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	68.8 (-0.845 to 168)	29.6 (-17.9 to 89.2)	-36.3 (-63.1 to 5.88)
2 Lower respiratory infect	2 Stroke	<b>51 (3.53 to 113)</b>	16 (-8.47 to 45.5)	<b>-38.3 (-53.4 to -16.6)</b>
3 Stroke	3 Diabetes	<b>96.5 (39.4 to 172)</b>	<b>51.1 (26.4 to 86.6)</b>	0.37 (-16.4 to 25.9)
4 Neonatal disorders	4 Low back pain	<b>56.2 (15.3 to 100)</b>	<b>20 (13.6 to 26.7)</b>	<b>-3.72 (-3.9 to -3.52)</b>
5 COVID-19	5 Neonatal disorders	-12 (-49.3 to 55.6)	-32.6 (-56.3 to 5.28)	-11.4 (-42.2 to 33.2)
6 Diabetes	6 Cirrhosis liver	30.5 (-9.33 to 84.4)	0.213 (-18.6 to 28.2)	-16.7 (-34.3 to 7.45)
7 Low back pain	7 Lower respiratory infect	<b>-47.2 (-67.3 to -17.1)</b>	<b>-59.5 (-71.1 to -41.4)</b>	<b>-51.9 (-66.9 to -29.4)</b>
8 Cirrhosis liver	8 Chronic kidney disease	<b>141 (37.4 to 317)</b>	<b>85.1 (14.7 to 183)</b>	29.7 (-25.1 to 115)
9 Congenital defects	9 Dietary iron deficiency	8.58 (-22.3 to 40.6)	<b>-16.7 (-19 to -14.5)</b>	<b>-10 (-10.5 to -9.37)</b>
10 Dietary iron deficiency	10 Depressive disorders	<b>48.1 (8.93 to 89.2)</b>	<b>13.7 (8.42 to 20.9)</b>	<b>-2.26 (-2.53 to -1.96)</b>
11 Road injuries	11 Alzheimer's disease	<b>297 (148 to 445)</b>	<b>205 (124 to 289)</b>	<b>3.11 (0.98 to 5.32)</b>
12 Headache disorders	12 Age-related hearing loss	<b>109 (50.1 to 168)</b>	<b>60.8 (43.8 to 78.4)</b>	<b>-0.71 (-0.814 to -0.592)</b>
13 Depressive disorders	13 Headache disorders	31.6 (-1.81 to 68.5)	1.03 (-3 to 7.33)	<b>-0.282 (-0.43 to -0.149)</b>
14 Self-harm	14 Road injuries	7.67 (-49.1 to 117)	-17.4 (-56.9 to 59.1)	-17.2 (-57.6 to 61.8)
15 Age-related hearing loss	15 Hypertensive heart disease	<b>136 (34.9 to 273)</b>	<b>80.9 (11.2 to 178)</b>	-5.26 (-44.6 to 50.4)
16 Chronic kidney disease	16 Self-harm	5.01 (-30.2 to 57.7)	-19.5 (-42.1 to 12.9)	-17.4 (-41.2 to 15.9)
17 Gynecological diseases	17 Congenital defects	<b>-36.2 (-56.6 to -12.2)</b>	<b>-51.1 (-59.8 to -39.5)</b>	<b>-36.7 (-48.1 to -21.8)</b>
18 Falls	18 Blindness and vision loss	<b>112 (55.4 to 174)</b>	<b>63.1 (43.8 to 81.5)</b>	<b>-4.62 (-4.97 to -4.28)</b>
19 Drowning	19 Other musculoskeletal	<b>113 (52.3 to 171)</b>	<b>63.4 (52.1 to 78.7)</b>	<b>31.7 (27.9 to 36)</b>
20 Idiopathic epilepsy	20 Oral disorders	<b>75.4 (29.5 to 122)</b>	<b>34.7 (24.2 to 46.5)</b>	<b>1.29 (0.851 to 1.75)</b>
21 Hypertensive heart disease	23 Falls			
22 Oral disorders	24 Idiopathic epilepsy			
24 Blindness and vision loss	25 Gynecological diseases			
27 Other musculoskeletal	41 Drowning			
34 Alzheimer's disease	155 COVID-19			

### Albania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Stroke	16.2 (-12.5 to 48.3)	<b>32.7 (5.73 to 55.3)</b>	<b>-33.5 (-48.8 to -15.7)</b>
2 Stroke	2 Ischemic heart disease	-9.22 (-36.8 to 24.7)	3.76 (-25.4 to 41.7)	<b>-44.3 (-62.8 to -15.3)</b>
3 COVID-19	3 Low back pain	0.104 (-15.5 to 17.3)	<b>14.3 (9.3 to 19.8)</b>	<b>-3.03 (-3.24 to -2.82)</b>
4 Low back pain	4 Alzheimer's disease	<b>119 (74.3 to 178)</b>	<b>151 (110 to 197)</b>	<b>13.9 (11.7 to 16)</b>
5 Lung cancer	5 Lung cancer	34.8 (-2.34 to 76.6)	<b>54.2 (14.6 to 97.3)</b>	8.19 (-17.2 to 37.1)
6 Neonatal disorders	6 COPD	<b>76 (32.5 to 131)</b>	<b>101 (52.5 to 154)</b>	11.5 (-15.1 to 47.7)
7 Age-related hearing loss	7 Diabetes	<b>36.6 (15 to 61)</b>	<b>56.1 (42.2 to 70.9)</b>	<b>11.6 (5.29 to 17.5)</b>
8 Diabetes	8 Age-related hearing loss	<b>25.9 (8.83 to 47.1)</b>	<b>43.8 (31.8 to 56.9)</b>	<b>-0.597 (-0.719 to -0.481)</b>
9 Mechanical forces	9 Mechanical forces	-4.13 (-21.9 to 12.8)	<b>9.42 (1.71 to 17.1)</b>	-3.84 (-10.2 to 3.25)
10 Headache disorders	10 Headache disorders	-12.5 (-27.1 to 5.11)	-0.22 (-4.51 to 7)	<b>-0.29 (-0.561 to -0.0496)</b>
11 Alzheimer's disease	11 Liver cancer	<b>74.9 (32 to 129)</b>	<b>99.8 (52.8 to 156)</b>	<b>40.9 (9.48 to 84.4)</b>
12 COPD	12 Oral disorders	14.2 (-1.84 to 32.9)	<b>30.5 (22.4 to 39.7)</b>	<b>0.421 (0.229 to 0.604)</b>
13 Lower respiratory infect	13 Chronic kidney disease	<b>67.1 (19.3 to 124)</b>	<b>90.9 (40.3 to 154)</b>	8.63 (-24.7 to 57.3)
14 Falls	14 Lower respiratory infect	-1.31 (-25.8 to 24.6)	12.8 (-12.8 to 38.9)	<b>-41.7 (-52.7 to -25.6)</b>
15 Depressive disorders	15 Falls	2.14 (-15.9 to 22.6)	<b>16.7 (2.28 to 36.8)</b>	<b>-12.2 (-23.8 to -1.55)</b>
16 Anxiety disorders	16 Depressive disorders	-4.77 (-19.9 to 11)	<b>8.7 (4.36 to 14)</b>	<b>-2.13 (-2.57 to -1.64)</b>
17 Oral disorders	17 Hypertensive heart disease	<b>81.5 (17.6 to 161)</b>	<b>108 (37.4 to 207)</b>	7.37 (-30.3 to 63.7)
18 Road injuries	18 Neonatal disorders	<b>-48.7 (-65.2 to -23.2)</b>	<b>-41.5 (-55.7 to -12.9)</b>	-30.4 (-52.3 to 12.4)
19 Stomach cancer	19 Anxiety disorders	-10.2 (-25.8 to 5.47)	2.43 (-2.47 to 7.56)	0.154 (-0.223 to 0.483)
20 Other cardiovascular	20 Osteoarthritis	<b>25 (8.21 to 43.6)</b>	<b>42.9 (33.5 to 54.1)</b>	<b>2.02 (1.65 to 2.4)</b>
21 Osteoarthritis	21 Other cardiovascular			
22 Liver cancer	26 Stomach cancer			
23 Chronic kidney disease	30 Road injuries			
30 Hypertensive heart disease	155 COVID-19			

### Bosnia and Herzegovina, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-30.4 (-53.6 to 4.07)	-2 (-35.7 to 48.5)	<b>-53.1 (-70.4 to -27.5)</b>
2 Stroke	2 Stroke	<b>-32.6 (-46.9 to -11.8)</b>	-5.17 (-26.2 to 22.1)	<b>-51.3 (-61.3 to -37.4)</b>
3 COVID-19	3 Diabetes	5.12 (-13.1 to 27.8)	<b>47.7 (25.6 to 74.2)</b>	-4.62 (-16.3 to 9.43)
4 Diabetes	4 Low back pain	<b>-18.2 (-32.1 to -4.89)</b>	<b>14.7 (9.42 to 21.2)</b>	<b>-3.35 (-3.55 to -3.2)</b>
5 Low back pain	5 Alzheimer's disease	<b>111 (60.1 to 168)</b>	<b>196 (137 to 266)</b>	<b>3.59 (1.42 to 5.87)</b>
6 Lung cancer	6 Lung cancer	-7.37 (-37.7 to 29.7)	29.9 (-8.05 to 66.9)	-10.8 (-35.3 to 17.2)
7 Colorectal cancer	7 COPD	28.5 (-7.45 to 78.3)	<b>80.7 (30.3 to 142)</b>	-5.65 (-32.4 to 30.4)
8 COPD	8 Colorectal cancer	16.4 (-26 to 73.9)	<b>63.2 (5.6 to 130)</b>	-2.06 (-34.7 to 35.2)
9 Age-related hearing loss	9 Age-related hearing loss	15.7 (-6.47 to 34.8)	<b>62.4 (46.8 to 82.6)</b>	<b>-0.712 (-0.87 to -0.555)</b>
10 Alzheimer's disease	10 Hypertensive heart disease	48 (-7.7 to 143)	<b>108 (24.9 to 240)</b>	-2.02 (-39.1 to 69)
11 Headache disorders	11 Pancreatic cancer	49.1 (-2.71 to 120)	<b>109 (39.2 to 192)</b>	33.2 (-9.43 to 86.6)
12 Depressive disorders	12 Cardiomyopathy	2.72 (-25.7 to 39.8)	<b>44.1 (11.4 to 83.6)</b>	<b>-23.4 (-33.7 to -11.1)</b>
13 Falls	13 Falls	-4.48 (-22.7 to 15.9)	<b>34 (17.9 to 53)</b>	-7.48 (-17.5 to 3.62)
14 Cardiomyopathy	14 Chronic kidney disease	37.3 (-7.11 to 108)	<b>93.2 (23.9 to 187)</b>	1.83 (-35.3 to 58.3)
15 Neonatal disorders	15 Oral disorders	-0.699 (-18.4 to 14.9)	<b>39.3 (28 to 51.1)</b>	0.0205 (-0.259 to 0.278)
16 Oral disorders	16 Depressive disorders	<b>-20 (-34 to -5.27)</b>	<b>12.2 (6.34 to 20.5)</b>	<b>-2.35 (-2.75 to -2)</b>
17 Cirrhosis liver	17 Osteoarthritis	8.96 (-7.67 to 24.9)	<b>53 (40.1 to 66.1)</b>	<b>1.65 (1.24 to 2.07)</b>
18 Hypertensive heart disease	18 Headache disorders	<b>-32.7 (-46.7 to -20.7)</b>	-5.78 (-11 to 1.59)	0.114 (-0.076 to 0.323)
19 Breast cancer	19 Breast cancer	-4.1 (-34.4 to 38.2)	34.4 (-2 to 80.1)	-9.88 (-32.8 to 19.4)
20 Anxiety disorders	20 Cirrhosis liver	-20.3 (-36.5 to 3.05)	12 (-8.71 to 39.5)	-8.42 (-24.5 to 15.2)
21 Osteoarthritis	27 Anxiety disorders			
23 Chronic kidney disease	30 Neonatal disorders			
25 Pancreatic cancer	155 COVID-19			

### Bulgaria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Hypertensive heart disease	9.37 (-20.9 to 41.7)	<b>50.7 (7.09 to 95.4)</b>	13.6 (-22.5 to 58)
2 Stroke	2 Stroke	<b>-48.3 (-56.6 to -38.3)</b>	<b>-28.8 (-39.7 to -16.2)</b>	<b>-45.9 (-55.3 to -35.5)</b>
3 COVID-19	3 Ischemic heart disease	<b>-51 (-64.3 to -34)</b>	<b>-32.5 (-50.9 to -10.6)</b>	<b>-49.2 (-65.4 to -27.9)</b>
4 Hypertensive heart disease	4 Low back pain	<b>-24.8 (-33.7 to -16.3)</b>	<b>3.44 (0.233 to 6.92)</b>	<b>-2.04 (-2.16 to -1.91)</b>
5 Low back pain	5 Diabetes	<b>-15 (-25.8 to -3.44)</b>	<b>17 (6.88 to 26.4)</b>	-1.09 (-9.11 to 6.85)
6 Lung cancer	6 Lung cancer	<b>-28.2 (-47.4 to -6.58)</b>	-1.24 (-23.6 to 23.1)	-14.4 (-34.3 to 4.69)
7 Diabetes	7 Colorectal cancer	-11.1 (-37.1 to 22.1)	22.2 (-9.03 to 68.6)	-1.05 (-25.6 to 31.4)
8 Cirrhosis liver	8 Alzheimer's disease	14.5 (-7.21 to 40.1)	<b>57.5 (33.8 to 79.9)</b>	<b>2.14 (0.033 to 4.15)</b>
9 Colorectal cancer	9 Cirrhosis liver	<b>-27.4 (-40 to -14.3)</b>	0.0175 (-14.3 to 16.5)	-2.67 (-18 to 14.7)
10 Falls	10 Chronic kidney disease	5.6 (-24.3 to 33.1)	<b>45.5 (4.31 to 85.3)</b>	15.5 (-17.9 to 53.9)
11 Alzheimer's disease	11 Age-related hearing loss	<b>-11.7 (-24.1 to -0.706)</b>	<b>21.5 (13.4 to 28.7)</b>	<b>-0.461 (-0.568 to -0.333)</b>
12 Age-related hearing loss	12 COPD	-12.1 (-30.8 to 8.95)	21 (-3.56 to 46.7)	-7.32 (-28.9 to 15.4)
13 COPD	13 Falls	<b>-29 (-39.5 to -15.7)</b>	<b>-2.21 (-13.1 to 10.8)</b>	<b>-14 (-24.5 to -3.84)</b>
14 Chronic kidney disease	14 Pancreatic cancer	11.2 (-21.3 to 49.1)	<b>52.9 (13.9 to 106)</b>	29.3 (-5.07 to 69.7)
15 Breast cancer	15 Breast cancer	-18.6 (-37.8 to 3.49)	11.9 (-9.42 to 39.2)	-2.93 (-19 to 18.2)
16 Lower respiratory infect	16 Depressive disorders	<b>-24.3 (-33.5 to -15.8)</b>	<b>4.13 (1.06 to 7.45)</b>	<b>-1.34 (-1.69 to -1.02)</b>
17 Headache disorders	17 Lower respiratory infect	<b>-31.1 (-43.1 to -18.5)</b>	-5.05 (-18.8 to 11.7)	<b>-34 (-45.7 to -21.7)</b>
18 Depressive disorders	18 Headache disorders	<b>-29.6 (-37.5 to -22.3)</b>	<b>-3.1 (-5.48 to -0.233)</b>	<b>0.262 (0.117 to 0.377)</b>
19 Mechanical forces	19 Mechanical forces	<b>-28.3 (-36.7 to -19.6)</b>	-1.33 (-8 to 5.19)	-6.34 (-13.7 to 0.715)
20 Other cardiovascular	20 Osteoarthritis	<b>-13.9 (-24.3 to -3.87)</b>	<b>18.5 (12.9 to 23.9)</b>	<b>0.947 (0.604 to 1.27)</b>
22 Pancreatic cancer	22 Other cardiovascular			
24 Osteoarthritis	150 COVID-19			

### Croatia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-35 (-53.4 to -13.3)</b>	-7.5 (-32 to 22.6)	<b>-49.8 (-63.6 to -31)</b>
2 COVID-19	2 Diabetes	10.7 (-6.36 to 28.1)	<b>57.5 (43.1 to 72.6)</b>	<b>12.7 (4.19 to 20.8)</b>
3 Stroke	3 Stroke	<b>-36 (-47.4 to -20.6)</b>	-8.91 (-23 to 6.44)	<b>-45.4 (-53.4 to -35.7)</b>
4 Low back pain	4 Lung cancer	-7.9 (-29.9 to 16.6)	<b>31 (5.79 to 65.7)</b>	-6.73 (-24.3 to 16.6)
5 Lung cancer	5 Low back pain	<b>-20.8 (-33.3 to -9.12)</b>	<b>12.5 (7.64 to 17.1)</b>	<b>-2.56 (-2.69 to -2.45)</b>
6 Diabetes	6 Alzheimer's disease	<b>43.6 (16.6 to 69.3)</b>	<b>104 (78.4 to 131)</b>	1.63 (-0.622 to 3.8)
7 Falls	7 Falls	-0.297 (-18.2 to 18.4)	<b>41.8 (26.1 to 60.8)</b>	<b>-13.4 (-21.2 to -5.84)</b>
8 Colorectal cancer	8 Colorectal cancer	4.71 (-25.8 to 44.9)	<b>48.9 (5.08 to 95.2)</b>	-6.06 (-31.3 to 22.2)
9 Alzheimer's disease	9 COPD	18 (-9.53 to 46.8)	<b>67.9 (35.7 to 106)</b>	-4.17 (-23.5 to 17.2)
10 COPD	10 Age-related hearing loss	0.395 (-16.4 to 15.1)	<b>42.8 (34.3 to 52.6)</b>	<b>-0.518 (-0.653 to -0.374)</b>
11 Age-related hearing loss	11 Chronic kidney disease	<b>47.7 (5.22 to 99.2)</b>	<b>110 (54.7 to 175)</b>	16.4 (-13.3 to 54.7)
12 Depressive disorders	12 Hypertensive heart disease	37.5 (-5.87 to 101)	<b>95.7 (35.1 to 188)</b>	4 (-31.9 to 62.9)
13 Cirrhosis liver	13 Pancreatic cancer	30.5 (-6.62 to 75.5)	<b>85.5 (37.4 to 136)</b>	24 (-5.54 to 55.6)
14 Headache disorders	14 Depressive disorders	<b>-22.2 (-34.4 to -10.6)</b>	<b>10.6 (6.37 to 15.5)</b>	<b>-1.84 (-2.15 to -1.56)</b>
15 Breast cancer	15 Prostate cancer	30.4 (-0.569 to 64.9)	<b>85.4 (51.1 to 127)</b>	9.31 (-6.36 to 26.8)
16 Oral disorders	16 Breast cancer	-10.4 (-32.8 to 14.4)	<b>27.4 (1.59 to 58.5)</b>	-14 (-29.9 to 2.79)
17 Chronic kidney disease	17 Osteoarthritis	-2.23 (-17.3 to 11)	<b>39 (32.6 to 46.4)</b>	<b>1.01 (0.701 to 1.31)</b>
18 Osteoarthritis	18 Oral disorders	-10.5 (-25.6 to 3.65)	<b>27.2 (19.8 to 35.3)</b>	<b>0.257 (0.079 to 0.422)</b>
19 Self-harm	19 Cirrhosis liver	<b>-33.9 (-46.1 to -19)</b>	-6.05 (-18.4 to 8.23)	<b>-24.1 (-34.9 to -12.8)</b>
20 Anxiety disorders	20 Headache disorders	<b>-32.4 (-44.5 to -20.8)</b>	-3.97 (-8.37 to 2.99)	0.113 (-0.0315 to 0.237)
21 Hypertensive heart disease	25 Anxiety disorders			
23 Pancreatic cancer	28 Self-harm			
24 Prostate cancer	153 COVID-19			

### Czechia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-25.3 (-44.8 to -2.06)</b>	-17.8 (-38.7 to 10.1)	<b>-51 (-64.2 to -31.8)</b>
2 Low back pain	2 Low back pain	-4.59 (-12.9 to 7.29)	<b>4.99 (1 to 9.06)</b>	<b>-1.73 (-1.83 to -1.63)</b>
3 Stroke	3 Diabetes	<b>20.4 (6.76 to 36.5)</b>	<b>32.5 (21.7 to 45.1)</b>	1.14 (-5.9 to 9.63)
4 Diabetes	4 Alzheimer's disease	<b>71.2 (45.2 to 103)</b>	<b>88.3 (66.5 to 112)</b>	<b>-2.35 (-4.37 to -0.101)</b>
5 COVID-19	5 Stroke	<b>-21.4 (-34.3 to -8.81)</b>	<b>-13.5 (-26.5 to -1.07)</b>	<b>-41.9 (-50.8 to -32.9)</b>
6 Lung cancer	6 Lung cancer	0.604 (-20 to 28.4)	10.7 (-9.81 to 35.1)	-15.5 (-31.6 to 1.9)
7 Falls	7 Falls	12.8 (-4.75 to 30.2)	<b>24.2 (9.44 to 40.1)</b>	<b>-13.8 (-22.1 to -3.96)</b>
8 Colorectal cancer	8 COPD	19.7 (-6.78 to 46.8)	<b>31.8 (2.55 to 61.4)</b>	-10.4 (-30 to 11)
9 Alzheimer's disease	9 Colorectal cancer	13.7 (-19.9 to 56)	25.1 (-7.32 to 66.9)	-10.5 (-34.6 to 19.6)
10 COPD	10 Age-related hearing loss	<b>19.9 (7.91 to 35.6)</b>	<b>31.9 (24.5 to 39.3)</b>	<b>-0.336 (-0.489 to -0.178)</b>
11 Age-related hearing loss	11 Pancreatic cancer	<b>41.6 (3.56 to 85.5)</b>	<b>55.7 (16.9 to 103)</b>	18.5 (-10.7 to 54.6)
12 Lower respiratory infect	12 Lower respiratory infect	3.14 (-17.1 to 25.8)	13.5 (-4.4 to 35.9)	<b>-29.5 (-40.5 to -17.6)</b>
13 Cirrhosis liver	13 Depressive disorders	-5.61 (-14.2 to 5.4)	<b>3.88 (0.637 to 7.19)</b>	<b>-1.24 (-1.47 to -1.03)</b>
14 Headache disorders	14 Headache disorders	<b>-13.7 (-21.5 to -4.6)</b>	<b>-5 (-7.88 to -1.38)</b>	<b>0.199 (0.084 to 0.271)</b>
15 Depressive disorders	15 Osteoarthritis	<b>13 (2.45 to 25.5)</b>	<b>24.4 (19.3 to 29.4)</b>	<b>0.541 (0.311 to 0.794)</b>
16 Pancreatic cancer	16 Oral disorders	7.43 (-3.52 to 21.6)	<b>18.2 (12 to 24.7)</b>	0.0618 (-0.0766 to 0.196)
17 Oral disorders	17 Hypertensive heart disease	<b>53.8 (0.504 to 122)</b>	<b>69.3 (14.5 to 153)</b>	3.81 (-31.6 to 54.1)
18 Osteoarthritis	18 Cirrhosis liver	<b>-25 (-38.2 to -9.85)</b>	<b>-17.5 (-29.7 to -2.86)</b>	<b>-19.7 (-32.4 to -5.87)</b>
19 Self-harm	19 Atrial fibrillation	<b>62.2 (36.7 to 92.2)</b>	<b>78.5 (54.9 to 104)</b>	7.05 (-2.62 to 17.9)
20 Mechanical forces	20 Chronic kidney disease	<b>99.6 (46.9 to 160)</b>	<b>120 (59.8 to 187)</b>	33.9 (-4.33 to 80.1)
25 Hypertensive heart disease	23 Mechanical forces			
29 Atrial fibrillation	27 Self-harm			
34 Chronic kidney disease	151 COVID-19			

### Hungary, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-39.5 (-55.9 to -16.1)</b>	<b>-36.7 (-53.6 to -15.3)</b>	<b>-54.1 (-67.8 to -34.2)</b>
2 COVID-19	2 Low back pain	-4.38 (-16.1 to 7.6)	0.0424 (-3.25 to 3.15)	<b>-2.4 (-2.53 to -2.28)</b>
3 Stroke	3 Lung cancer	-10.6 (-32.4 to 13.2)	-6.46 (-26.7 to 16)	-15.3 (-33.2 to 4.32)
4 Low back pain	4 Diabetes	<b>16.8 (0.601 to 33.7)</b>	<b>22.2 (12.3 to 31.9)</b>	<b>10.6 (1.96 to 19)</b>
5 Lung cancer	5 Hypertensive heart disease	<b>45.5 (3.52 to 104)</b>	<b>52.2 (7.97 to 118)</b>	15.8 (-20.3 to 69)
6 COPD	6 Stroke	<b>-35.8 (-47.2 to -21)</b>	<b>-32.8 (-42.9 to -21.3)</b>	<b>-46.6 (-54.6 to -36.2)</b>
7 Diabetes	7 COPD	-0.156 (-23.2 to 28.9)	4.54 (-17.9 to 32.5)	-15.1 (-34.2 to 10.1)
8 Colorectal cancer	8 Alzheimer's disease	<b>58.1 (28.8 to 91.5)</b>	<b>65.3 (43.1 to 88.5)</b>	<b>3.27 (1.14 to 5.33)</b>
9 Falls	9 Colorectal cancer	7.56 (-27.1 to 45.7)	12.4 (-19.5 to 45.4)	-5.44 (-30.8 to 23.9)
10 Hypertensive heart disease	10 Falls	11.4 (-5.34 to 30.5)	<b>16.5 (3.33 to 29.5)</b>	-7.11 (-16.5 to 1.26)
11 Cirrhosis liver	11 Age-related hearing loss	12.1 (-2.55 to 27.4)	<b>17.3 (10.5 to 24.8)</b>	<b>-0.432 (-0.613 to -0.238)</b>
12 Alzheimer's disease	12 Cirrhosis liver	<b>-21.7 (-35.4 to -5.48)</b>	<b>-18 (-29.4 to -2.68)</b>	<b>-18.5 (-30.4 to -4.36)</b>
13 Age-related hearing loss	13 Pancreatic cancer	35.9 (-2.77 to 85.4)	<b>42.1 (2.04 to 92.9)</b>	24.2 (-8.32 to 64.7)
14 Headache disorders	14 Depressive disorders	-4.65 (-15.8 to 6.4)	-0.243 (-2.72 to 2.31)	<b>-1.95 (-2.24 to -1.65)</b>
15 Depressive disorders	15 Headache disorders	-7.94 (-18.3 to 3.32)	<b>-3.67 (-5.9 to -1.63)</b>	<b>-0.115 (-0.226 to -0.00868)</b>
16 Self-harm	16 Chronic kidney disease	<b>57.8 (16.1 to 110)</b>	<b>65.2 (26 to 111)</b>	17.8 (-16.5 to 60.1)
17 Breast cancer	17 Breast cancer	-3.81 (-28.6 to 21.8)	0.622 (-22.5 to 28.1)	-12.9 (-31.2 to 9.02)
18 Cardiomyopathy	18 Osteoarthritis	7.07 (-5.76 to 21.4)	<b>12 (6.6 to 17.1)</b>	<b>0.62 (0.263 to 0.958)</b>
19 Pancreatic cancer	19 Oral disorders	5.57 (-7.97 to 20)	<b>10.4 (5.45 to 15.8)</b>	-0.0671 (-0.226 to 0.0947)
20 Osteoarthritis	20 Self-harm	<b>-23.5 (-37.6 to -5.41)</b>	<b>-20 (-31.8 to -4.31)</b>	<b>-23.2 (-35.3 to -7.71)</b>
22 Oral disorders	23 Cardiomyopathy			
27 Chronic kidney disease	151 COVID-19			

### Montenegro, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Stroke	-6.2 (-24.7 to 14.6)	10.6 (-7.48 to 32.1)	<b>-35.6 (-48.5 to -20.7)</b>
2 Stroke	2 Ischemic heart disease	<b>-31.9 (-52.8 to -5.02)</b>	-19.8 (-41.9 to 7.97)	<b>-50.3 (-65.5 to -29.4)</b>
3 COVID-19	3 Lung cancer	-3.62 (-29.2 to 23.9)	13.5 (-11.2 to 41.7)	-14.9 (-33 to 6.66)
4 Lung cancer	4 Diabetes	<b>24.9 (4.87 to 45.8)</b>	<b>47.2 (34 to 61.6)</b>	9.38 (-1.23 to 20)
5 Low back pain	5 Low back pain	-6.1 (-19 to 7.94)	<b>10.6 (7.49 to 14.1)</b>	<b>-2.49 (-2.64 to -2.35)</b>
6 Diabetes	6 Alzheimer's disease	<b>65.2 (34.2 to 98.2)</b>	<b>94.6 (69.7 to 123)</b>	<b>2.02 (0.0448 to 4.23)</b>
7 Falls	7 Chronic kidney disease	<b>56 (12.8 to 106)</b>	<b>83.9 (36.3 to 144)</b>	19.2 (-14.7 to 63.9)
8 Cardiomyopathy	8 Colorectal cancer	22.3 (-16.6 to 71.8)	<b>43.9 (0.902 to 90.8)</b>	-1.86 (-30.6 to 29.4)
9 Headache disorders	9 Falls	-3.03 (-20.5 to 18.7)	<b>14.2 (0.559 to 27.8)</b>	<b>-10.9 (-21.2 to -0.849)</b>
10 Age-related hearing loss	10 Age-related hearing loss	<b>16 (0.519 to 35.1)</b>	<b>36.7 (29.4 to 44.8)</b>	<b>-0.466 (-0.577 to -0.369)</b>
11 Colorectal cancer	11 Cardiomyopathy	-2.6 (-23.7 to 20.4)	14.7 (-3.76 to 36.1)	<b>-23.3 (-33.4 to -12.7)</b>
12 Breast cancer	12 Atrial fibrillation	<b>76.4 (41.7 to 118)</b>	<b>108 (76.1 to 147)</b>	<b>12.9 (0.18 to 29)</b>
13 Self-harm	13 Breast cancer	6.91 (-21.7 to 38.4)	25.9 (-1.52 to 59.6)	-6.4 (-26.6 to 18.5)
14 Depressive disorders	14 Pancreatic cancer	<b>54.2 (6.14 to 112)</b>	<b>81.6 (27.6 to 142)</b>	29.3 (-6.72 to 70)
15 Chronic kidney disease	15 Headache disorders	<b>-16.4 (-27.4 to -3.12)</b>	-1.54 (-4.5 to 3.73)	<b>-0.21 (-0.359 to -0.0748)</b>
16 Alzheimer's disease	16 Depressive disorders	-8.36 (-19.8 to 6.04)	<b>7.94 (4.23 to 12.1)</b>	<b>-1.96 (-2.28 to -1.65)</b>
17 Anxiety disorders	17 Prostate cancer	<b>47.3 (13.1 to 85.2)</b>	<b>73.6 (41.7 to 113)</b>	6.41 (-11.2 to 25.8)
18 Oral disorders	18 Brain cancer	<b>32.4 (12 to 56.3)</b>	<b>56 (43.3 to 72.9)</b>	<b>32.8 (22.9 to 44.6)</b>
19 Neonatal disorders	19 Oral disorders	5.96 (-7.81 to 23.6)	<b>24.8 (18.8 to 31.7)</b>	0.182 (-0.0015 to 0.34)
20 Road injuries	20 Hypertensive heart disease	<b>61.6 (9.48 to 128)</b>	<b>90.6 (31.7 to 176)</b>	10.6 (-27 to 65.9)
22 Pancreatic cancer	22 Self-harm			
24 Atrial fibrillation	23 Anxiety disorders			
25 Brain cancer	27 Road injuries			
26 Prostate cancer	28 Neonatal disorders			
30 Hypertensive heart disease	147 COVID-19			



### North Macedonia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Stroke	-12 (-31.8 to 12.1)	9.47 (-10.2 to 28)	<b>-45.1 (-56.4 to -31.6)</b>
2 Stroke	2 Ischemic heart disease	-15.4 (-40.2 to 12.8)	5.41 (-24.6 to 38.1)	<b>-44.1 (-63.2 to -21.3)</b>
3 Ischemic heart disease	3 Diabetes	<b>30.1 (3.61 to 60.5)</b>	<b>61.8 (43.3 to 83.1)</b>	-0.0633 (-10.9 to 11.2)
4 Diabetes	4 Low back pain	-4.78 (-23.8 to 15.1)	<b>18.3 (14.1 to 23.1)</b>	<b>-2.52 (-2.66 to -2.39)</b>
5 Low back pain	5 Lung cancer	20.4 (-17 to 72.5)	<b>49.2 (18.5 to 95.3)</b>	-4.13 (-23.7 to 24.1)
6 Lung cancer	6 Hypertensive heart disease	<b>98 (31.3 to 182)</b>	<b>147 (63.1 to 241)</b>	14.3 (-30.1 to 69.3)
7 Hypertensive heart disease	7 COPD	<b>57.8 (13 to 109)</b>	<b>96.3 (49.3 to 144)</b>	4.58 (-21.3 to 34.6)
8 Headache disorders	8 Colorectal cancer	42.5 (-8.85 to 113)	<b>76.7 (25.4 to 145)</b>	2.54 (-24.3 to 42.2)
9 COPD	9 Alzheimer's disease	<b>106 (53.6 to 163)</b>	<b>155 (121 to 195)</b>	<b>12.7 (10 to 15.6)</b>
10 Colorectal cancer	10 Age-related hearing loss	24.4 (-1.56 to 50)	<b>54.5 (45.8 to 65)</b>	<b>-0.576 (-0.715 to -0.442)</b>
11 Age-related hearing loss	11 Breast cancer	16.9 (-17.7 to 61.1)	<b>44.9 (15.6 to 82.3)</b>	-5.75 (-25 to 18.5)
12 Cardiomyopathy	12 Cardiomyopathy	10.1 (-23.8 to 45.1)	<b>36.8 (9.31 to 77.1)</b>	<b>-23.6 (-34.5 to -10.9)</b>
13 Falls	13 Pancreatic cancer	<b>88.4 (22.7 to 168)</b>	<b>134 (70.9 to 227)</b>	<b>41.2 (2.99 to 95.3)</b>
14 Breast cancer	14 Chronic kidney disease	<b>68.4 (12.8 to 135)</b>	<b>110 (47.9 to 178)</b>	18.3 (-18.2 to 67.7)
15 Neonatal disorders	15 Liver cancer	<b>77.4 (32 to 138)</b>	<b>121 (70.6 to 175)</b>	<b>36.6 (5.29 to 76.6)</b>
16 Depressive disorders	16 Headache disorders	<b>-20.7 (-36.6 to -4.99)</b>	-1.44 (-7.09 to 7.38)	<b>0.296 (0.151 to 0.388)</b>
17 Oral disorders	17 Falls	-4.89 (-27.6 to 23.3)	<b>18 (2.62 to 35)</b>	<b>-18.7 (-27.2 to -8.52)</b>
18 Stomach cancer	18 Oral disorders	11.8 (-8.54 to 34.3)	<b>38.9 (31.3 to 46.9)</b>	<b>0.176 (0.00536 to 0.341)</b>
19 Anxiety disorders	19 Brain cancer	<b>43.3 (13.4 to 82.4)</b>	<b>77.9 (60.7 to 97.2)</b>	<b>28.6 (19.6 to 39.1)</b>
20 Mechanical forces	20 Depressive disorders	-8.44 (-27.1 to 10.2)	<b>13.7 (7.75 to 20.2)</b>	<b>-1.47 (-1.75 to -1.2)</b>
21 Alzheimer's disease	22 Stomach cancer			
22 Chronic kidney disease	23 Mechanical forces			
25 Brain cancer	24 Anxiety disorders			
27 Pancreatic cancer	28 Neonatal disorders			
28 Liver cancer	154 COVID-19			

### Poland, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-30.3 (-48.9 to -9.57)</b>	-17.6 (-38.9 to 5.62)	<b>-55 (-67 to -41)</b>
2 COVID-19	2 Lung cancer	20.6 (-5.44 to 45.2)	<b>42.6 (14.1 to 73)</b>	-0.717 (-20.6 to 19.9)
3 Stroke	3 Low back pain	-5.74 (-15.8 to 3.89)	<b>11.4 (7.21 to 15.5)</b>	<b>-2.49 (-2.59 to -2.39)</b>
4 Low back pain	4 Diabetes	<b>21.1 (8.2 to 36.3)</b>	<b>43.2 (32.6 to 52)</b>	2.63 (-3.73 to 8.54)
5 Lung cancer	5 Stroke	<b>-27.4 (-38.4 to -14.2)</b>	-14.2 (-26.8 to 1.17)	<b>-48.2 (-55.2 to -39.7)</b>
6 Diabetes	6 Alzheimer's disease	<b>78.7 (57.3 to 104)</b>	<b>111 (92.6 to 134)</b>	<b>-2.03 (-3.8 to -0.0633)</b>
7 Colorectal cancer	7 Colorectal cancer	22.3 (-8.88 to 62.8)	<b>44.6 (7.48 to 90.1)</b>	-6.87 (-30.2 to 23.1)
8 Falls	8 Falls	3.64 (-12.5 to 21.3)	<b>22.5 (6.05 to 36.7)</b>	<b>-14.4 (-25.2 to -5.1)</b>
9 Alcohol use disorders	9 Age-related hearing loss	<b>20.9 (8.87 to 34.2)</b>	<b>42.9 (36.7 to 49.2)</b>	<b>-0.559 (-0.633 to -0.479)</b>
10 Lower respiratory infect	10 Lower respiratory infect	7.92 (-13.3 to 29.5)	<b>27.6 (3.85 to 50.8)</b>	<b>-25.1 (-37 to -12.4)</b>
11 Alzheimer's disease	11 Hypertensive heart disease	<b>59.3 (7.83 to 117)</b>	<b>88.3 (28.6 to 157)</b>	7.66 (-25.8 to 47.3)
12 Age-related hearing loss	12 COPD	18 (-9.33 to 51.1)	<b>39.4 (9.54 to 66.7)</b>	-14.3 (-31.7 to 3.58)
13 Cirrhosis liver	13 Alcohol use disorders	<b>-18.6 (-31.4 to -1)</b>	-3.77 (-15.8 to 11.2)	-4.16 (-15.6 to 10.2)
14 Headache disorders	14 Cirrhosis liver	<b>-15.2 (-27.8 to -0.902)</b>	0.285 (-12.5 to 14)	-7.45 (-20.5 to 5.1)
15 Self-harm	15 Oral disorders	8.69 (-4.02 to 19.9)	<b>28.5 (21.6 to 34.9)</b>	<b>0.245 (0.091 to 0.404)</b>
16 COPD	16 Pancreatic cancer	<b>49.4 (13.1 to 88.8)</b>	<b>76.7 (35 to 131)</b>	22.4 (-6.07 to 56.6)
17 Oral disorders	17 Breast cancer	7.75 (-18 to 35.4)	<b>27.4 (0.354 to 60.3)</b>	-12.3 (-29.9 to 6.49)
18 Breast cancer	18 Headache disorders	<b>-18.1 (-25.8 to -10.7)</b>	-3.21 (-6.68 to 2.64)	0.0714 (-0.0346 to 0.162)
19 Road injuries	19 Osteoarthritis	<b>19.5 (7.67 to 31.3)</b>	<b>41.3 (35.9 to 46.4)</b>	<b>1.13 (0.755 to 1.48)</b>
20 Hypertensive heart disease	20 Prostate cancer	<b>48 (20.3 to 81.4)</b>	<b>75 (45.5 to 110)</b>	5.79 (-8.94 to 22.8)
22 Osteoarthritis	23 Self-harm			
26 Pancreatic cancer	26 Road injuries			
29 Prostate cancer	151 COVID-19			

### Romania, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-40 (-56.1 to -15.8)</b>	-23.6 (-43.2 to 2.68)	<b>-50.6 (-65.8 to -26.2)</b>
2 Stroke	2 Stroke	<b>-37.6 (-49.8 to -23.7)</b>	<b>-20.6 (-32.6 to -7.81)</b>	<b>-46.5 (-55.5 to -34.3)</b>
3 COVID-19	3 Hypertensive heart disease	38.6 (-6.02 to 100)	<b>76.5 (25.7 to 154)</b>	11.5 (-24.2 to 75)
4 Low back pain	4 Low back pain	<b>-16.6 (-30 to -3.87)</b>	<b>6 (2.22 to 10.5)</b>	<b>-2.47 (-2.61 to -2.36)</b>
5 Cirrhosis liver	5 Alzheimer's disease	<b>53.2 (16.1 to 90.3)</b>	<b>94.6 (60.1 to 127)</b>	1.86 (-0.0664 to 3.77)
6 Lung cancer	6 Lung cancer	-17.6 (-41.4 to 12.2)	4.67 (-20.1 to 37.3)	-12.6 (-32.4 to 12.8)
7 Hypertensive heart disease	7 Cirrhosis liver	<b>-26.2 (-40.6 to -9.46)</b>	-6.2 (-19.8 to 10.6)	-12.1 (-26.4 to 5.76)
8 Cardiomyopathy	8 Colorectal cancer	4.61 (-33.2 to 48.2)	32.7 (-9.07 to 80.4)	0.00526 (-30 to 35)
9 Lower respiratory infect	9 Diabetes	12.4 (-6.29 to 31)	<b>42.9 (31.4 to 52.8)</b>	<b>16.1 (7.69 to 24.9)</b>
10 Colorectal cancer	10 Cardiomyopathy	-13.3 (-29.6 to 6.38)	10.2 (-3.56 to 27.8)	<b>-15.9 (-26.9 to -2.85)</b>
11 Falls	11 COPD	4.15 (-18.5 to 34.1)	<b>32.5 (6.4 to 64.1)</b>	-7.17 (-28.1 to 19.6)
12 Diabetes	12 Age-related hearing loss	5.16 (-13.5 to 22.9)	<b>33.6 (25 to 42.9)</b>	<b>-0.582 (-0.71 to -0.456)</b>
13 COPD	13 Lower respiratory infect	<b>-24.1 (-38.3 to -4.33)</b>	-3.55 (-17.9 to 13.4)	<b>-35 (-46.1 to -22.2)</b>
14 Alzheimer's disease	14 Falls	<b>-22.5 (-36.9 to -7.28)</b>	-1.46 (-14.7 to 11)	<b>-17 (-28.1 to -5.58)</b>
15 Age-related hearing loss	15 Pancreatic cancer	28.6 (-13.2 to 74.5)	<b>63.3 (13.9 to 117)</b>	30.9 (-8.13 to 72.2)
16 Headache disorders	16 Breast cancer	-9.22 (-35.9 to 19.3)	15.3 (-11.6 to 43.6)	-6.91 (-27.6 to 15.9)
17 Road injuries	17 Headache disorders	<b>-24.6 (-36.9 to -12)</b>	<b>-4.18 (-6.87 to -0.923)</b>	<b>0.298 (0.133 to 0.413)</b>
18 Depressive disorders	18 Depressive disorders	<b>-17.8 (-31.8 to -5.37)</b>	<b>4.41 (1.01 to 8.17)</b>	<b>-1.49 (-1.74 to -1.27)</b>
19 Breast cancer	19 Osteoarthritis	0.702 (-16.5 to 15.3)	<b>28 (21.6 to 34.4)</b>	<b>1.4 (1.1 to 1.66)</b>
20 Mechanical forces	20 Oral disorders	-5.71 (-21.5 to 8.67)	<b>19.8 (12.9 to 27.2)</b>	<b>0.189 (0.00678 to 0.36)</b>
23 Oral disorders	22 Road injuries			
24 Pancreatic cancer	23 Mechanical forces			
25 Osteoarthritis	152 COVID-19			

### Serbia, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-38.6 (-54.7 to -17.6)</b>	-21.1 (-41.3 to 4.85)	<b>-48.3 (-63.5 to -25.6)</b>
2 Stroke	2 Stroke	<b>-39.5 (-52.5 to -26.2)</b>	<b>-22.3 (-34.8 to -8.65)</b>	<b>-47.7 (-56.9 to -37)</b>
3 COVID-19	3 Diabetes	17.3 (-2 to 39.1)	<b>50.6 (35.4 to 64.9)</b>	<b>12.5 (2.56 to 22.5)</b>
4 Low back pain	4 Lung cancer	-0.383 (-24.8 to 28)	<b>27.9 (0.895 to 61.9)</b>	-5.85 (-25.8 to 18.9)
5 Lung cancer	5 Low back pain	-11.6 (-24.5 to 0.8)	<b>13.6 (10.1 to 16.6)</b>	<b>-3.03 (-3.2 to -2.86)</b>
6 Diabetes	6 Alzheimer's disease	<b>46.3 (16.1 to 77.8)</b>	<b>87.8 (57.4 to 118)</b>	<b>12.7 (10.2 to 15.5)</b>
7 Colorectal cancer	7 Hypertensive heart disease	40 (-7.08 to 89.9)	<b>79.9 (23 to 141)</b>	15.2 (-22.6 to 65.8)
8 COPD	8 Colorectal cancer	15.1 (-22.9 to 58.4)	<b>47.8 (5.98 to 90)</b>	3.77 (-24.1 to 32.7)
9 Hypertensive heart disease	9 COPD	13.2 (-12.7 to 43.9)	<b>45.4 (15.5 to 77.1)</b>	-1.67 (-24.6 to 24.7)
10 Alzheimer's disease	10 Chronic kidney disease	35.8 (-1.16 to 80.8)	<b>74.4 (30.6 to 128)</b>	16.8 (-14.2 to 59.5)
11 Age-related hearing loss	11 Age-related hearing loss	4.67 (-10.9 to 21.6)	<b>34.4 (27.7 to 41.2)</b>	<b>-0.614 (-0.72 to -0.495)</b>
12 Breast cancer	12 Breast cancer	-0.784 (-23.6 to 24.1)	<b>27.5 (4.73 to 53)</b>	-7.84 (-24.6 to 11.9)
13 Headache disorders	13 Falls	-3.23 (-21 to 17.6)	<b>24.3 (9.03 to 41.2)</b>	-6.26 (-17.1 to 7.26)
14 Falls	14 Pancreatic cancer	<b>53.3 (2.86 to 110)</b>	<b>96.7 (47.3 to 163)</b>	<b>40.6 (4.53 to 85.3)</b>
15 Depressive disorders	15 Depressive disorders	<b>-13.8 (-25.6 to -1.47)</b>	<b>10.7 (7.38 to 14.5)</b>	<b>-2.29 (-2.64 to -1.94)</b>
16 Cardiomyopathy	16 Headache disorders	<b>-21.5 (-33 to -9.82)</b>	0.859 (-3.96 to 9.2)	0.1 (-0.138 to 0.324)
17 Chronic kidney disease	17 Cardiomyopathy	-12.1 (-29 to 8.33)	12.9 (-5.36 to 35.9)	<b>-21.4 (-32.9 to -6.7)</b>
18 Self-harm	18 Oral disorders	-0.815 (-15 to 14.2)	<b>27.4 (22.6 to 32.5)</b>	<b>0.27 (0.0737 to 0.497)</b>
19 Oral disorders	19 Osteoarthritis	7.87 (-7.06 to 22.7)	<b>38.5 (34 to 42.8)</b>	<b>1.48 (1.09 to 1.89)</b>
20 Cirrhosis liver	20 Brain cancer	<b>30.6 (10.8 to 55.6)</b>	<b>67.7 (50 to 85.5)</b>	<b>26.7 (15.5 to 38.5)</b>
22 Osteoarthritis	21 Self-harm			
24 Pancreatic cancer	23 Cirrhosis liver			
29 Brain cancer	153 COVID-19			

### Slovakia, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-16.3 (-38.2 to 12.9)	-8.85 (-30 to 20)	<b>-48.5 (-61.7 to -27.9)</b>
2 COVID-19	2 Stroke	-14 (-26.5 to 1.51)	-6.34 (-18.3 to 8.16)	<b>-41.2 (-49 to -30.6)</b>
3 Stroke	3 Low back pain	-0.281 (-9.5 to 8.58)	<b>8.6 (4.88 to 12.7)</b>	<b>-1.91 (-2.08 to -1.77)</b>
4 Low back pain	4 Alzheimer's disease	<b>105 (70.1 to 143)</b>	<b>123 (91.5 to 154)</b>	<b>5.76 (3.54 to 8.68)</b>
5 Lung cancer	5 Colorectal cancer	30 (-8.2 to 71.6)	<b>41.4 (2.28 to 80.7)</b>	-3.87 (-29 to 22.3)
6 Falls	6 Diabetes	<b>32.1 (16.7 to 48.1)</b>	<b>43.8 (33 to 55)</b>	<b>8.66 (0.88 to 15.9)</b>
7 Colorectal cancer	7 Lung cancer	7.98 (-15.9 to 34.6)	17.5 (-7.49 to 41.4)	-12.9 (-31 to 5.9)
8 Diabetes	8 Falls	7.6 (-8.61 to 24.3)	<b>17.2 (3.36 to 30.5)</b>	<b>-14.2 (-23.1 to -5.78)</b>
9 Cirrhosis liver	9 Age-related hearing loss	<b>28.2 (14.2 to 42.6)</b>	<b>39.6 (31.3 to 47.2)</b>	<b>-0.32 (-0.511 to -0.132)</b>
10 Lower respiratory infect	10 Lower respiratory infect	<b>22.5 (0.822 to 51.7)</b>	<b>33.3 (11.2 to 61.1)</b>	<b>-24.5 (-36.3 to -11.7)</b>
11 Age-related hearing loss	11 Cirrhosis liver	-15.1 (-28.2 to 2.02)	-7.59 (-20.8 to 7.18)	<b>-15.8 (-28.8 to -0.561)</b>
12 Alzheimer's disease	12 COPD	<b>42.7 (11.7 to 77.1)</b>	<b>55.4 (25.8 to 89.9)</b>	-2.41 (-22.6 to 24.8)
13 Headache disorders	13 Pancreatic cancer	<b>58.3 (13.6 to 109)</b>	<b>72.2 (27.4 to 125)</b>	24.5 (-6.14 to 61.4)
14 Depressive disorders	14 Hypertensive heart disease	<b>77.4 (28.5 to 146)</b>	<b>93.4 (42.4 to 179)</b>	15 (-16.1 to 72)
15 Breast cancer	15 Headache disorders	<b>-12.5 (-20.6 to -3.95)</b>	<b>-4.67 (-7.74 to -0.626)</b>	0.0231 (-0.0847 to 0.103)
16 Mechanical forces	16 Depressive disorders	-2.62 (-11.5 to 7.29)	<b>6.04 (2.35 to 10)</b>	<b>-1.62 (-1.95 to -1.33)</b>
17 Self-harm	17 Breast cancer	10.9 (-13.4 to 41.7)	20.6 (-2.71 to 48.9)	-10.4 (-27.1 to 6.42)
18 COPD	18 Chronic kidney disease	<b>78 (33 to 137)</b>	<b>93.9 (50.3 to 156)</b>	22.3 (-8.52 to 67.7)
19 Oral disorders	19 Oral disorders	<b>14.2 (2.73 to 26.3)</b>	<b>24.4 (17.6 to 31.2)</b>	0.0373 (-0.124 to 0.183)
20 Anxiety disorders	20 Osteoarthritis	<b>22.6 (10.6 to 37.2)</b>	<b>33.5 (28.1 to 37.8)</b>	<b>0.288 (0.0162 to 0.564)</b>
21 Osteoarthritis	23 Mechanical forces			
23 Pancreatic cancer	24 Anxiety disorders			
26 Hypertensive heart disease	25 Self-harm			
29 Chronic kidney disease	154 COVID-19			

### Slovenia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Low back pain	3.45 (-5.91 to 12.4)	1.68 (-1.52 to 5.27)	-2.04 (-2.15 to -1.94)
2 Low back pain	2 Falls	<b>26.4 (9.28 to 43.5)</b>	<b>24.2 (11.1 to 37.5)</b>	<b>-14.4 (-22.5 to -6.53)</b>
3 Ischemic heart disease	3 Alzheimer's disease	<b>76.2 (53 to 102)</b>	<b>73.1 (56.4 to 92.3)</b>	<b>-5.71 (-7.63 to -3.25)</b>
4 Falls	4 Ischemic heart disease	-21.2 (-42.7 to 3.16)	-22.5 (-43.2 to 0.212)	<b>-51.3 (-63 to -37)</b>
5 Stroke	5 Diabetes	<b>33.9 (19.5 to 47.7)</b>	<b>31.6 (22.1 to 41)</b>	<b>13.4 (5.39 to 20.7)</b>
6 Lung cancer	6 Lung cancer	2.8 (-19.2 to 29.7)	0.974 (-17.7 to 22.4)	<b>-18.3 (-33.1 to -0.21)</b>
7 Diabetes	7 Stroke	<b>-18.2 (-32.4 to -2.5)</b>	<b>-19.6 (-31.3 to -5.51)</b>	<b>-46.8 (-54.3 to -38.5)</b>
8 Alzheimer's disease	8 Hypertensive heart disease	<b>79.3 (12.9 to 168)</b>	<b>76.2 (12.3 to 159)</b>	-3.2 (-36.3 to 46.8)
9 Alcohol use disorders	9 Age-related hearing loss	<b>27.4 (14.7 to 40)</b>	<b>25.2 (18.9 to 31.2)</b>	<b>-0.519 (-0.669 to -0.366)</b>
10 Age-related hearing loss	10 COPD	<b>50.4 (17 to 91.6)</b>	<b>47.8 (16 to 87.7)</b>	-5.43 (-26.5 to 19.9)
11 Depressive disorders	11 Nonrheum valv diseases	<b>98.8 (53 to 154)</b>	<b>95.4 (54.2 to 145)</b>	7.62 (-10.9 to 31.3)
12 Colorectal cancer	12 Colorectal cancer	20.3 (-15.4 to 68.1)	18.1 (-14.6 to 60.3)	-18 (-40.1 to 8.98)
13 Headache disorders	13 Depressive disorders	3.61 (-5.72 to 13.3)	1.82 (-1.34 to 4.88)	<b>-1.26 (-1.48 to -1.04)</b>
14 COPD	14 Prostate cancer	<b>63 (29.3 to 106)</b>	<b>60.1 (30.3 to 99.2)</b>	3.98 (-13.2 to 22.9)
15 Hypertensive heart disease	15 Alcohol use disorders	-9.01 (-22.2 to 5.44)	-10.6 (-22 to 1.5)	-8.6 (-19.1 to 3.82)
16 Mechanical forces	16 Headache disorders	-3.64 (-11.8 to 3.69)	<b>-5.29 (-7.23 to -3.42)</b>	<b>0.396 (0.23 to 0.495)</b>
17 Self-harm	17 Oral disorders	<b>14.2 (2.36 to 24.7)</b>	<b>12.3 (6.99 to 17.2)</b>	0.129 (-0.0394 to 0.289)
18 Oral disorders	18 Osteoarthritis	<b>18.8 (7.2 to 31)</b>	<b>16.7 (12.5 to 20.5)</b>	<b>0.941 (0.689 to 1.18)</b>
19 Cirrhosis liver	19 Lower respiratory infect	<b>28.1 (3.37 to 55.4)</b>	<b>25.9 (3.79 to 52.8)</b>	<b>-24.3 (-33.2 to -10.3)</b>
20 Osteoarthritis	20 Pancreatic cancer	<b>48.3 (9.01 to 100)</b>	<b>45.6 (6.74 to 92.8)</b>	12.8 (-14.5 to 46.6)
21 Nonrheum valv diseases	21 Mechanical forces			
22 Lower respiratory infect	26 Self-harm			
24 Prostate cancer	28 Cirrhosis liver			
27 Pancreatic cancer	148 COVID-19			

### Belarus, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-27.1 (-51.7 to 3.4)	-17.3 (-46.1 to 16.9)	<b>-47.3 (-66.7 to -18.7)</b>
2 COVID-19	2 Stroke	<b>-29.9 (-47 to -11.8)</b>	<b>-20.6 (-37.5 to -1.83)</b>	<b>-44.6 (-55.8 to -27.2)</b>
3 Stroke	3 Low back pain	-1.91 (-18 to 12.4)	<b>11 (5.77 to 16)</b>	<b>-2.85 (-3.08 to -2.6)</b>
4 Low back pain	4 Alzheimer's disease	<b>101 (37.9 to 161)</b>	<b>127 (71.4 to 179)</b>	<b>13.5 (11.1 to 16)</b>
5 Alcohol use disorders	5 Alcohol use disorders	-2.82 (-26.1 to 26)	10.1 (-14.3 to 44.9)	3.42 (-19.7 to 34.9)
6 Falls	6 Falls	-9.59 (-26.4 to 9.11)	2.26 (-9.82 to 15.5)	-11.3 (-23.1 to 0.223)
7 Lung cancer	7 Lung cancer	1.16 (-36.9 to 40.9)	14.1 (-19.6 to 54.4)	-7.68 (-33 to 24.6)
8 Depressive disorders	8 Colorectal cancer	24.3 (-27.9 to 91.2)	40.2 (-11.5 to 110)	2.69 (-30.7 to 50.1)
9 Self-harm	9 Age-related hearing loss	20.5 (-4.32 to 43.1)	<b>36.2 (22.6 to 49.1)</b>	<b>-0.449 (-0.61 to -0.279)</b>
10 Colorectal cancer	10 Depressive disorders	-6.34 (-20.5 to 8.42)	<b>5.97 (2.03 to 10.4)</b>	<b>-1.71 (-1.99 to -1.47)</b>
11 Cirrhosis liver	11 Diabetes	<b>31.6 (9.36 to 58)</b>	<b>48.9 (34.8 to 63.6)</b>	<b>17.9 (8.43 to 27.4)</b>
12 Age-related hearing loss	12 Self-harm	-19.5 (-36.7 to 1.79)	-8.79 (-28.5 to 15.4)	-10.9 (-30.8 to 15.9)
13 Alzheimer's disease	13 Headache disorders	<b>-13.8 (-25.3 to -1.4)</b>	-2.47 (-5.53 to 1.05)	<b>-0.498 (-0.774 to -0.271)</b>
14 Headache disorders	14 COPD	36.3 (-1.51 to 79.5)	<b>54.5 (11.9 to 103)</b>	6.24 (-23.4 to 46.3)
15 Diabetes	15 Cirrhosis liver	<b>-21.6 (-37.6 to -3.52)</b>	-11.1 (-26.3 to 9.31)	-15.4 (-30.4 to 3.67)
16 Stomach cancer	16 Osteoarthritis	13.1 (-6.74 to 33.1)	<b>27.9 (18.8 to 35.3)</b>	<b>0.475 (0.0307 to 0.951)</b>
17 Cardiomyopathy	17 Pancreatic cancer	52.9 (-10.8 to 132)	<b>72.4 (9.84 to 151)</b>	35.5 (-12.8 to 94.8)
18 Gynecological diseases	18 Prostate cancer	<b>61 (9.84 to 117)</b>	<b>81.7 (31.8 to 138)</b>	26.1 (-2.19 to 57.2)
19 Road injuries	19 Oral disorders	7.09 (-11.1 to 23.9)	<b>21.1 (11.6 to 28.6)</b>	0.183 (-0.00877 to 0.36)
20 Osteoarthritis	20 Urinary diseases	<b>50.6 (17.7 to 86.4)</b>	<b>70.3 (41.5 to 105)</b>	<b>22.8 (2.12 to 47.1)</b>
23 COPD	23 Stomach cancer			
24 Oral disorders	24 Road injuries			
27 Pancreatic cancer	26 Gynecological diseases			
30 Urinary diseases	27 Cardiomyopathy			
32 Prostate cancer	149 COVID-19			

### Estonia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Hypertensive heart disease	25.7 (-15.1 to 79.1)	36.3 (-8.23 to 86.6)	-8.09 (-39.8 to 36.7)
2 Ischemic heart disease	2 Ischemic heart disease	<b>-42.8 (-59.1 to -22.2)</b>	<b>-38 (-54.8 to -16.2)</b>	<b>-61.1 (-72.8 to -43.6)</b>
3 Hypertensive heart disease	3 Low back pain	-0.782 (-10.9 to 8.71)	<b>7.46 (4.67 to 11.4)</b>	<b>-2.71 (-2.95 to -2.47)</b>
4 Low back pain	4 Alzheimer's disease	<b>45.5 (19.5 to 72.9)</b>	<b>57.6 (34.2 to 82.5)</b>	<b>-6.36 (-8.57 to -3.88)</b>
5 Stroke	5 Diabetes	11.8 (-2.61 to 25.6)	<b>21.1 (9.52 to 32.6)</b>	1.48 (-7.48 to 10.2)
6 Diabetes	6 Chronic kidney disease	<b>52.4 (7.85 to 104)</b>	<b>65.1 (16.3 to 127)</b>	7.53 (-25.2 to 50.5)
7 Lung cancer	7 Lung cancer	-9.58 (-33 to 20)	-2.08 (-24.8 to 27.3)	<b>-25.5 (-42.9 to -4.55)</b>
8 Alzheimer's disease	8 Age-related hearing loss	<b>15.8 (2.59 to 26.7)</b>	<b>25.4 (18.6 to 32.3)</b>	<b>-0.394 (-0.654 to -0.05)</b>
9 Depressive disorders	9 Colorectal cancer	13.2 (-25.5 to 59.5)	22.5 (-17.8 to 71.1)	-11.7 (-38.4 to 19)
10 Falls	10 Stroke	<b>-42.4 (-53.2 to -30.8)</b>	<b>-37.6 (-47.3 to -25.9)</b>	<b>-52.9 (-60.2 to -44.5)</b>
11 Age-related hearing loss	11 Depressive disorders	-2.1 (-11.7 to 7.25)	<b>6.04 (3.05 to 9.23)</b>	<b>-1.68 (-2.09 to -1.32)</b>
12 Colorectal cancer	12 Falls	-9.75 (-23.5 to 9.13)	-2.25 (-16.2 to 13.4)	<b>-20.7 (-31.1 to -9.69)</b>
13 Cirrhosis liver	13 Prostate cancer	<b>42.8 (12.6 to 83.1)</b>	<b>54.7 (23.8 to 92.1)</b>	11.5 (-6.81 to 30.6)
14 Alcohol use disorders	14 Headache disorders	-8.95 (-17.5 to 0.126)	-1.39 (-3.67 to 1.77)	-0.174 (-0.464 to 0.00355)
15 Headache disorders	15 Drug use disorders	-9.06 (-21.6 to 5.61)	-1.54 (-10.2 to 7.98)	2.01 (-6.72 to 12.2)
16 Drug use disorders	16 Osteoarthritis	11.4 (-0.17 to 21.8)	<b>20.6 (15.8 to 26)</b>	-0.0807 (-0.492 to 0.336)
17 Chronic kidney disease	17 Pancreatic cancer	33.9 (-5.92 to 85)	<b>45 (4.33 to 99.7)</b>	10.5 (-18.7 to 45.4)
18 Self-harm	18 Alcohol use disorders	-15.4 (-30.2 to 1.91)	-8.32 (-23.4 to 10.8)	-11.6 (-24.9 to 4.12)
19 Osteoarthritis	19 Cirrhosis liver	<b>-23.2 (-37.1 to -8.59)</b>	<b>-16.8 (-29.6 to -1.85)</b>	<b>-23.5 (-36.9 to -8.63)</b>
20 Prostate cancer	20 Urinary diseases	<b>45.1 (19.6 to 71.2)</b>	<b>57.1 (34.9 to 84.5)</b>	12 (-3.33 to 29.6)
22 Pancreatic cancer	23 Self-harm			
30 Urinary diseases	152 COVID-19			



### Latvia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-44.3 (-60.7 to -26.9)</b>	-23.2 (-47.2 to 2.32)	<b>-53 (-68.3 to -33.2)</b>
2 COVID-19	2 Stroke	<b>-43.2 (-53.9 to -31.8)</b>	<b>-21.7 (-37.5 to -6.86)</b>	<b>-48.3 (-57.4 to -37.3)</b>
3 Stroke	3 Alzheimer's disease	<b>42 (13.4 to 66.7)</b>	<b>95.4 (65.3 to 126)</b>	<b>4.32 (1.77 to 7.1)</b>
4 Low back pain	4 Low back pain	<b>-19.8 (-30.5 to -10.3)</b>	<b>10.3 (5.62 to 16)</b>	<b>-2.54 (-2.79 to -2.33)</b>
5 Cardiomyopathy	5 Diabetes	<b>-14 (-26.3 to -0.762)</b>	<b>18.4 (4.85 to 31.7)</b>	-6.03 (-15 to 3.35)
6 Diabetes	6 Hypertensive heart disease	24.1 (-17.2 to 77.4)	<b>71.2 (13.7 to 147)</b>	13.8 (-23.2 to 68.5)
7 Lung cancer	7 Lung cancer	-15.3 (-35.9 to 8.77)	16.6 (-9.39 to 48.5)	-12 (-29.1 to 12)
8 Alzheimer's disease	8 Cardiomyopathy	<b>-39.4 (-52.7 to -24.6)</b>	-16.7 (-29.9 to 0.458)	<b>-23.9 (-38 to -5.24)</b>
9 Falls	9 Age-related hearing loss	-2.9 (-16.8 to 9.72)	<b>33.7 (23.7 to 45)</b>	<b>-0.332 (-0.593 to -0.116)</b>
10 Depressive disorders	10 Falls	<b>-20.5 (-35 to -6.63)</b>	9.43 (-4.27 to 24.9)	<b>-14.2 (-24.7 to -3.25)</b>
11 Age-related hearing loss	11 Colorectal cancer	-2.77 (-34.4 to 38)	33.7 (-6.74 to 84.6)	-5.76 (-30.4 to 27.1)
12 Colorectal cancer	12 Depressive disorders	<b>-22.6 (-33 to -13.8)</b>	<b>6.55 (2.45 to 11.1)</b>	<b>-1.39 (-1.72 to -1.14)</b>
13 Hypertensive heart disease	13 Prostate cancer	26.3 (-4.72 to 61.6)	<b>73.7 (40.8 to 117)</b>	<b>17.6 (1.21 to 40)</b>
14 Alcohol use disorders	14 Pancreatic cancer	19.6 (-18.1 to 67.4)	<b>64.6 (17 to 118)</b>	23 (-10.3 to 66.5)
15 Cirrhosis liver	15 Alcohol use disorders	<b>-31.6 (-44.1 to -16.6)</b>	-5.88 (-19.5 to 11)	-5.45 (-19.7 to 12.7)
16 Self-harm	16 Osteoarthritis	-8.86 (-20.1 to 1.26)	<b>25.5 (17.2 to 33.2)</b>	-0.129 (-0.493 to 0.288)
17 Headache disorders	17 Cirrhosis liver	<b>-32.5 (-44.2 to -21.4)</b>	-7.01 (-20.3 to 7.13)	-9.43 (-21.9 to 5.95)
18 Osteoarthritis	18 Urinary diseases	20 (-1.54 to 40.9)	<b>65.3 (39.9 to 92)</b>	13.2 (-1.98 to 27.7)
19 Breast cancer	19 Headache disorders	<b>-29.8 (-39.5 to -20.8)</b>	-3.41 (-6.38 to 0.549)	<b>-0.474 (-0.753 to -0.291)</b>
20 Pancreatic cancer	20 COPD	5.04 (-18.4 to 31.4)	<b>44.8 (10.2 to 83.9)</b>	-1.67 (-25.7 to 23.2)
22 Prostate cancer	21 Self-harm			
26 COPD	22 Breast cancer			
30 Urinary diseases	150 COVID-19			

### Lithuania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-40.9 (-60.3 to -18.8)</b>	-16.1 (-40.3 to 15.2)	<b>-52.2 (-67.9 to -30)</b>
2 COVID-19	2 Stroke	<b>-40.6 (-53.4 to -29.1)</b>	-15.6 (-30.2 to 1.46)	<b>-43.6 (-52.5 to -32.2)</b>
3 Stroke	3 Alzheimer's disease	<b>58.3 (27.4 to 91.4)</b>	<b>125 (91.2 to 162)</b>	<b>14.7 (11.8 to 18)</b>
4 Low back pain	4 Low back pain	<b>-20.5 (-29.9 to -9.77)</b>	<b>12.9 (8.47 to 18.2)</b>	<b>-2.66 (-2.84 to -2.48)</b>
5 Falls	5 Lung cancer	-10.9 (-34.9 to 17.8)	26.6 (-3.46 to 63.1)	-3.44 (-26.4 to 22.8)
6 Lung cancer	6 Falls	<b>-19 (-32.3 to -3.15)</b>	<b>15 (1.03 to 32.8)</b>	<b>-11.5 (-20.4 to -0.712)</b>
7 Self-harm	7 Diabetes	-5.9 (-20.9 to 8.78)	<b>33.7 (19.4 to 48.2)</b>	4.67 (-4.78 to 14.3)
8 Alzheimer's disease	8 Colorectal cancer	7.98 (-28.4 to 53.4)	<b>53.5 (6.33 to 111)</b>	3.44 (-28.4 to 36.7)
9 Diabetes	9 Age-related hearing loss	-2.59 (-15.1 to 10.8)	<b>38.4 (28.8 to 49.7)</b>	<b>-0.431 (-0.633 to -0.241)</b>
10 Depressive disorders	10 Depressive disorders	<b>-24.9 (-34.7 to -14.2)</b>	<b>6.63 (3.35 to 11.1)</b>	<b>-1.61 (-1.94 to -1.3)</b>
11 Cirrhosis liver	11 Self-harm	<b>-34.1 (-49 to -17.7)</b>	-6.49 (-23.5 to 11.5)	-9.39 (-27.2 to 11.4)
12 Age-related hearing loss	12 Cirrhosis liver	<b>-27.6 (-41.9 to -12.3)</b>	2.68 (-11.5 to 18.1)	-2.76 (-17.4 to 15.2)
13 Colorectal cancer	13 Pancreatic cancer	33.6 (-9.32 to 87.1)	<b>89.8 (33.8 to 157)</b>	39.6 (-2.12 to 85)
14 Alcohol use disorders	14 Prostate cancer	30.7 (-0.741 to 65.7)	<b>85.7 (45.9 to 135)</b>	<b>23.8 (4.06 to 45.1)</b>
15 Headache disorders	15 Hypertensive heart disease	41 (-5.25 to 103)	<b>100 (37.3 to 179)</b>	31.8 (-12 to 93.5)
16 Cardiomyopathy	16 COPD	16.5 (-13.6 to 50.7)	<b>65.6 (28.5 to 120)</b>	6.56 (-18.2 to 37.8)
17 Osteoarthritis	17 Osteoarthritis	-8.65 (-19 to 2.76)	<b>29.8 (22.8 to 37.3)</b>	0.316 (-0.0847 to 0.713)
18 Anxiety disorders	18 Breast cancer	-11.7 (-33.7 to 13.7)	25.4 (-2.79 to 55.3)	-7.86 (-26.3 to 11.5)
19 COPD	19 Alcohol use disorders	<b>-31.6 (-45.6 to -15.7)</b>	-2.91 (-15.9 to 15.4)	-3.93 (-16.3 to 13.7)
20 Breast cancer	20 Atrial fibrillation	<b>66.5 (34.4 to 108)</b>	<b>137 (95.3 to 183)</b>	<b>30 (17.5 to 45.9)</b>
23 Pancreatic cancer	21 Headache disorders			
24 Prostate cancer	24 Anxiety disorders			
25 Hypertensive heart disease	25 Cardiomyopathy			
38 Atrial fibrillation	152 COVID-19			

### Moldova, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-28.2 (-53.6 to 15.3)	12.3 (-29.7 to 70.5)	<b>-50.5 (-71 to -15.9)</b>
2 Stroke	2 Stroke	<b>-30.8 (-48.8 to -7.45)</b>	8.05 (-15.7 to 41.5)	<b>-44.6 (-56.7 to -25.1)</b>
3 Cirrhosis liver	3 Cirrhosis liver	<b>-26 (-43.4 to -4.53)</b>	15.3 (-4.61 to 38.8)	-11.5 (-26.6 to 10.8)
4 Low back pain	4 Alzheimer's disease	<b>129 (65.6 to 182)</b>	<b>257 (172 to 330)</b>	-1.28 (-3.34 to 0.718)
5 COVID-19	5 Hypertensive heart disease	52.4 (-8.62 to 149)	<b>138 (46.4 to 281)</b>	6.04 (-36.9 to 81.7)
6 Diabetes	6 Low back pain	-14.3 (-33.4 to 4.44)	<b>33.3 (23.4 to 44.4)</b>	<b>-2.58 (-2.81 to -2.28)</b>
7 Hypertensive heart disease	7 Diabetes	21.1 (-5.4 to 46.4)	<b>88.9 (66.8 to 114)</b>	<b>15.2 (6.33 to 27)</b>
8 Lower respiratory infect	8 Age-related hearing loss	<b>27.4 (1.57 to 56.4)</b>	<b>98.5 (73.5 to 129)</b>	<b>-0.426 (-0.633 to -0.27)</b>
9 Lung cancer	9 Colorectal cancer	8.79 (-34.4 to 62.7)	<b>69.2 (6.69 to 148)</b>	-5.83 (-41.6 to 34.5)
10 Colorectal cancer	10 Lung cancer	-3.16 (-38.1 to 42.3)	50.7 (-0.464 to 107)	-8.77 (-37.5 to 23.2)
11 Depressive disorders	11 COPD	36.3 (-1.18 to 91.9)	<b>113 (52.1 to 192)</b>	-1.13 (-28.7 to 45.7)
12 Headache disorders	12 Blindness and vision loss	<b>28.2 (1.1 to 55.5)</b>	<b>99.8 (72 to 131)</b>	<b>-2.63 (-2.81 to -2.43)</b>
13 Age-related hearing loss	13 Depressive disorders	<b>-23.4 (-42.2 to -4.34)</b>	<b>19 (10.7 to 29.1)</b>	<b>-1.38 (-1.75 to -0.955)</b>
14 Falls	14 Falls	-19.5 (-41.9 to 2.48)	<b>25.1 (7.14 to 48.9)</b>	-11 (-22.5 to 2.01)
15 Alzheimer's disease	15 Lower respiratory infect	<b>-40.2 (-57.3 to -14.5)</b>	-6.95 (-26.1 to 28.9)	<b>-33.9 (-48.9 to -8.24)</b>
16 Alcohol use disorders	16 Osteoarthritis	18.9 (-6.41 to 45.8)	<b>85.3 (67.3 to 106)</b>	<b>0.628 (0.237 to 0.952)</b>
17 Self-harm	17 Pancreatic cancer	38.3 (-17.4 to 105)	<b>115 (34 to 202)</b>	28.8 (-18.9 to 82.8)
18 COPD	18 Oral disorders	2.8 (-20.5 to 27.4)	<b>60 (43.7 to 81.5)</b>	<b>0.178 (0.00341 to 0.349)</b>
19 Gynecological diseases	19 Alcohol use disorders	<b>-33.9 (-52 to -10.4)</b>	2.59 (-15.8 to 29.8)	-0.717 (-16.9 to 21.3)
20 Road injuries	20 Headache disorders	<b>-39.7 (-56.8 to -23.6)</b>	-6.51 (-14.5 to 3.68)	-0.0657 (-0.366 to 0.376)
23 Blindness and vision loss	23 Self-harm			
25 Osteoarthritis	27 Road injuries			
26 Oral disorders	29 Gynecological diseases			
28 Pancreatic cancer	149 COVID-19			

### Russia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-30.2 (-52.2 to -5.78)	-25.7 (-47.9 to -1.89)	-52.7 (-68.6 to -34.9)
2 Stroke	2 Stroke	-28.3 (-43.3 to -14.4)	-23.7 (-36.3 to -11.5)	-49.3 (-57.7 to -39.3)
3 COVID-19	3 Low back pain	4.4 (-7.44 to 18.3)	11.1 (7.64 to 15.2)	-2.69 (-2.95 to -2.42)
4 Low back pain	4 Diabetes	27.7 (8.14 to 47.6)	35.9 (22.8 to 49.1)	5.46 (-4.46 to 15.7)
5 Cardiomyopathy	5 Alzheimer's disease	101 (62.4 to 151)	114 (79.3 to 150)	-0.903 (-3.09 to 1.49)
6 Cirrhosis liver	6 Alcohol use disorders	-7.7 (-24.7 to 11.7)	-1.76 (-16.9 to 18.1)	0.707 (-13.4 to 19.4)
7 Diabetes	7 Age-related hearing loss	29.1 (11.8 to 51.7)	37.3 (28.6 to 45.3)	-0.339 (-0.476 to -0.218)
8 Self-harm	8 Cirrhosis liver	-24.5 (-37.2 to -9.15)	-19.6 (-30.4 to -5.21)	-21.2 (-32.7 to -5.7)
9 Alcohol use disorders	9 Lung cancer	-6.9 (-31 to 19.4)	-1.02 (-23.3 to 23.4)	-21.5 (-39 to -3.01)
10 Lung cancer	10 Cardiomyopathy	-33.9 (-47 to -18.1)	-29.7 (-41.8 to -15)	-31.1 (-42.4 to -14.3)
11 Falls	11 Falls	-8.09 (-21.9 to 9.88)	-2.26 (-12.6 to 9.53)	-17.3 (-26.6 to -8.59)
12 Headache disorders	12 Self-harm	-22.1 (-37.6 to -2.43)	-17.1 (-31.8 to 0.951)	-17.1 (-32.7 to 4.63)
13 HIV/AIDS	13 Colorectal cancer	9.68 (-25.8 to 51.1)	16.5 (-17.3 to 58.3)	-16 (-38.5 to 12.5)
14 Colorectal cancer	14 COPD	33.4 (0.13 to 67.1)	41.8 (8.57 to 76.7)	-5.66 (-28.6 to 22.3)
15 Road injuries	15 Headache disorders	-8.09 (-18.7 to 3.89)	-2.22 (-4.36 to 0.697)	-0.581 (-0.876 to -0.358)
16 Age-related hearing loss	16 Depressive disorders	-0.468 (-11.7 to 12.7)	5.9 (2.72 to 8.7)	-1.12 (-1.23 to -1.03)
17 Alzheimer's disease	17 Blindness and vision loss	20.7 (4.93 to 39.7)	28.4 (20 to 37.7)	-2.55 (-2.83 to -2.27)
18 Depressive disorders	18 Urinary diseases	73.5 (39.2 to 110)	84.5 (55.6 to 116)	24.2 (3.81 to 43.7)
19 Interpersonal violence	19 HIV/AIDS	-21.8 (-37.4 to -8.01)	-16.8 (-29.3 to -7.46)	-8.9 (-23 to 0.632)
20 COPD	20 Road injuries	-15.8 (-41.4 to 17.5)	-10.4 (-36.2 to 21.2)	-11.1 (-38.6 to 21)
24 Blindness and vision loss	31 Interpersonal violence			
32 Urinary diseases	153 COVID-19			

### Ukraine, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-21.3 (-47.2 to 13.6)	8.28 (-27.8 to 49.1)	<b>-39 (-62.8 to -0.031)</b>
2 Stroke	2 Stroke	<b>-29 (-47.7 to -8.81)</b>	-2.5 (-22 to 18)	<b>-38.8 (-52.7 to -21)</b>
3 Low back pain	3 Low back pain	-12.6 (-31.3 to 5.73)	<b>19.9 (14.3 to 25.4)</b>	<b>-1.9 (-2.86 to -1.01)</b>
4 COVID-19	4 Alzheimer's disease	<b>72 (12.2 to 155)</b>	<b>134 (63.6 to 208)</b>	<b>8.6 (2.52 to 12.3)</b>
5 Cirrhosis liver	5 Cirrhosis liver	<b>-33 (-48.5 to -12.4)</b>	-7.76 (-24.7 to 14.5)	-12.1 (-28.6 to 6.69)
6 Self-harm	6 Age-related hearing loss	10.2 (-17.1 to 39.5)	<b>50.8 (33.7 to 66.5)</b>	-0.129 (-0.324 to 0.101)
7 Cardiomyopathy	7 Diabetes	17.4 (-7.95 to 45.4)	<b>60.9 (48.1 to 73.8)</b>	<b>17.5 (9.54 to 25)</b>
8 Falls	8 Depressive disorders	-18.1 (-33.9 to 1.36)	<b>12.3 (7.13 to 17.5)</b>	<b>-1.09 (-1.64 to -0.596)</b>
9 Depressive disorders	9 Falls	-20.4 (-39.1 to 1.14)	9.06 (-2.87 to 23.2)	-9.56 (-19.9 to 0.276)
10 Alcohol use disorders	10 Colorectal cancer	2.44 (-37.7 to 66.2)	39.5 (-7.42 to 104)	-6.39 (-37.1 to 35.6)
11 Lung cancer	11 Cardiomyopathy	<b>-31.8 (-53.1 to -4.34)</b>	-6.6 (-26.5 to 18.9)	-17 (-33.6 to 3.42)
12 Age-related hearing loss	12 Lung cancer	-16.3 (-47.6 to 23.8)	14.2 (-20 to 57.6)	-18.7 (-42.9 to 11.9)
13 Alzheimer's disease	13 Self-harm	<b>-34.2 (-50 to -16.5)</b>	-9.41 (-27.5 to 9.44)	-5.98 (-28.5 to 20.2)
14 Road injuries	14 Alcohol use disorders	<b>-23.4 (-41.3 to -0.78)</b>	5.51 (-17.1 to 35.2)	8.11 (-13.1 to 38.4)
15 Headache disorders	15 COPD	23.7 (-10.3 to 68.7)	<b>69.9 (28.1 to 124)</b>	2.48 (-26.2 to 36.8)
16 HIV/AIDS	16 Headache disorders	<b>-28.7 (-44.4 to -13.4)</b>	-2.14 (-7.24 to 4.92)	<b>-0.603 (-1.18 to -0.124)</b>
17 Colorectal cancer	17 Road injuries	-30.2 (-55.3 to 7.51)	-3.78 (-38.8 to 44.8)	0.0798 (-39.4 to 54.6)
18 Diabetes	18 Osteoarthritis	6.7 (-16.7 to 34.7)	<b>46.2 (35.1 to 57.5)</b>	-0.319 (-1.29 to 0.442)
19 Lower respiratory infect	19 Oral disorders	-2.51 (-24.9 to 22.8)	<b>33.6 (24.6 to 44.1)</b>	-0.381 (-0.947 to 0.0967)
20 Gynecological diseases	20 HIV/AIDS	<b>-37.5 (-53.6 to -19.3)</b>	-14.1 (-34.9 to 5.01)	-5.01 (-24.1 to 10.6)
21 Oral disorders	25 Gynecological diseases			
23 COPD	26 Lower respiratory infect			
25 Osteoarthritis	155 COVID-19			

### Australia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Low back pain	37.4 (28.5 to 44.8)	2.59 (-0.491 to 5.26)	-2.75 (-2.87 to -2.62)
2 Ischemic heart disease	2 Alzheimer's disease	108 (87.9 to 130)	55.1 (42.9 to 69.6)	-5.1 (-8.7 to -0.695)
3 Falls	3 Diabetes	103 (85.5 to 122)	51.3 (40.7 to 63.2)	30.4 (21.5 to 38.9)
4 Other musculoskeletal	4 Other musculoskeletal	72.7 (61.2 to 83.8)	29 (24.8 to 33.1)	26.3 (24.9 to 27.7)
5 Depressive disorders	5 Falls	53 (38.3 to 67.9)	14.2 (5.9 to 23.5)	-14.9 (-21.1 to -8.88)
6 Alzheimer's disease	6 Ischemic heart disease	-0.289 (-19.4 to 27)	-25.5 (-40.4 to -7.36)	-51.4 (-61.7 to -37.3)
7 Lung cancer	7 Depressive disorders	33.1 (24.5 to 41.3)	-0.66 (-1.95 to 0.727)	-1.52 (-1.69 to -1.36)
8 Stroke	8 COPD	58.8 (35.1 to 87.5)	18.6 (0.687 to 40.2)	-16 (-28.7 to 1.22)
9 Diabetes	9 Lung cancer	33.9 (8.81 to 59.6)	-0.0722 (-16.9 to 18.4)	-19 (-32.2 to -6.25)
10 COVID-19	10 Age-related hearing loss	62.2 (50 to 73.8)	21.1 (15.9 to 26.9)	-0.792 (-0.898 to -0.698)
11 Anxiety disorders	11 Stroke	24.2 (10.7 to 38.7)	-7.23 (-16.5 to 3.7)	-33.4 (-40.7 to -25)
12 COPD	12 Anxiety disorders	33.2 (24.7 to 41.5)	-0.595 (-1.86 to 0.929)	0.244 (0.0807 to 0.419)
13 Age-related hearing loss	13 Colorectal cancer	58.9 (25.3 to 97.7)	18.6 (-4.58 to 44.4)	-9.14 (-27.7 to 10.3)
14 Self-harm	14 Drug use disorders	51.2 (35.9 to 66.9)	12.9 (2.21 to 23.5)	12.4 (2.35 to 22.4)
15 Headache disorders	15 Headache disorders	33.8 (25.8 to 41.7)	-0.102 (-1.85 to 2.39)	-0.0447 (-0.196 to 0.112)
16 Colorectal cancer	16 Chronic kidney disease	180 (129 to 251)	109 (73.8 to 160)	26 (2.32 to 64.8)
17 Drug use disorders	17 Osteoarthritis	55.3 (44.4 to 65.7)	16 (11.5 to 20.4)	2.33 (2.13 to 2.57)
18 Osteoarthritis	18 Atrial fibrillation	132 (105 to 159)	73.3 (55.8 to 90.5)	11.4 (3.32 to 18.4)
19 Oral disorders	19 Self-harm	9.93 (-5.21 to 27.2)	-17.9 (-29.7 to -4.45)	-18.4 (-30.9 to -3.48)
20 Breast cancer	20 Oral disorders	48.5 (38.4 to 58.3)	10.9 (6.47 to 14.4)	0.565 (0.427 to 0.722)
27 Atrial fibrillation	23 Breast cancer			
30 Chronic kidney disease	155 COVID-19			

### New Zealand, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Low back pain	40.2 (30.1 to 50.4)	5.11 (2.93 to 7.58)	-2.2 (-2.31 to -2.08)
2 Low back pain	2 Ischemic heart disease	4.67 (-20.1 to 33)	-21.5 (-38.2 to -0.701)	-48.8 (-60.4 to -35.1)
3 Falls	3 Alzheimer's disease	121 (95.6 to 146)	66 (53.3 to 78.3)	-1.17 (-5.59 to 3.15)
4 Anxiety disorders	4 Diabetes	102 (84.5 to 122)	51.1 (41.8 to 60.6)	27.6 (20.9 to 35.1)
5 Stroke	5 Falls	52.5 (36.2 to 66.8)	14.3 (5.63 to 23.9)	-12.6 (-18.2 to -7.35)
6 Lung cancer	6 COPD	75.5 (43.8 to 109)	31.6 (9.49 to 52.6)	-7.48 (-23.3 to 10.7)
7 Alzheimer's disease	7 Anxiety disorders	32.7 (22.5 to 42.9)	-0.537 (-2.23 to 1.14)	0.235 (0.118 to 0.362)
8 Diabetes	8 Lung cancer	40.7 (15.7 to 68.8)	5.46 (-12.4 to 26)	-13.5 (-26 to 1.22)
9 COVID-19	9 Stroke	22.8 (6.35 to 40.2)	-7.94 (-19.1 to 3.78)	-36.2 (-43.9 to -26.8)
10 COPD	10 Colorectal cancer	67.1 (29 to 115)	25.3 (-1.85 to 58)	-8.25 (-25.8 to 14.3)
11 Depressive disorders	11 Age-related hearing loss	64.9 (52.7 to 78.1)	23.6 (18.5 to 29.3)	-0.371 (-0.468 to -0.279)
12 Colorectal cancer	12 Depressive disorders	30.7 (20.4 to 40.7)	-1.99 (-3.69 to -0.494)	-0.936 (-1.02 to -0.864)
13 Headache disorders	13 Headache disorders	35 (24.8 to 45.7)	1.19 (-0.748 to 4.65)	0.0238 (-0.129 to 0.139)
14 Age-related hearing loss	14 Other musculoskeletal	67.8 (54 to 81)	25.8 (21.8 to 30)	19.3 (16.9 to 21.2)
15 Self-harm	15 Chronic kidney disease	132 (83.1 to 183)	74.2 (39.3 to 111)	15.1 (-8.77 to 41.6)
16 Road injuries	16 Osteoarthritis	58.4 (46.5 to 70.7)	18.8 (14.5 to 23.1)	1.44 (1.27 to 1.64)
17 Oral disorders	17 Oral disorders	50.2 (39.5 to 61.7)	12.6 (9.35 to 16)	0.333 (0.22 to 0.446)
18 Osteoarthritis	18 Atrial fibrillation	137 (110 to 166)	77.4 (58.5 to 93.9)	8.87 (1.59 to 16.7)
19 Other musculoskeletal	19 Road injuries	20.9 (-10.2 to 56.7)	-9.37 (-32.3 to 16)	-11 (-35.8 to 15.9)
20 Mechanical forces	20 Mechanical forces	37.8 (26.1 to 48.5)	3.32 (-1.75 to 7.7)	-4.17 (-9.51 to 0.313)
27 Chronic kidney disease	23 Self-harm			
29 Atrial fibrillation	153 COVID-19			

### Brunei, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	109 (74.6 to 141)	110 (83.8 to 140)	-2.21 (-12.8 to 10.2)
2 Ischemic heart disease	2 Stroke	70.3 (40.8 to 105)	71 (48 to 101)	-34.4 (-45.2 to -19.3)
3 Stroke	3 Ischemic heart disease	15.3 (-17.5 to 56.1)	15.8 (-15.9 to 61.1)	-49.4 (-64.3 to -26.2)
4 Low back pain	4 Chronic kidney disease	199 (131 to 292)	200 (135 to 292)	10.9 (-16.5 to 53.7)
5 COVID-19	5 COPD	290 (218 to 366)	291 (226 to 374)	8.65 (-12.2 to 38.2)
6 Neonatal disorders	6 Low back pain	28.2 (10.8 to 49.4)	28.5 (18.6 to 40.1)	-2.93 (-3.16 to -2.69)
7 Other musculoskeletal	7 Lung cancer	172 (99.3 to 250)	172 (112 to 238)	2.3 (-18.4 to 26)
8 Road injuries	8 Other musculoskeletal	68.5 (37.7 to 98.5)	68.9 (53.6 to 90.3)	30.5 (28.9 to 32.2)
9 Congenital defects	9 Lower respiratory infect	164 (119 to 228)	165 (121 to 213)	-16.2 (-30.4 to 1.94)
10 Headache disorders	10 Colorectal cancer	129 (58.6 to 218)	129 (66.5 to 199)	-2.92 (-27.8 to 26.5)
11 Falls	11 Alzheimer's disease	366 (283 to 454)	367 (304 to 441)	1.61 (-2.8 to 6.56)
12 Chronic kidney disease	12 Falls	43.9 (20.6 to 70.4)	44.3 (30.2 to 60.7)	-16.9 (-23.8 to -8.6)
13 Lung cancer	13 Osteoarthritis	142 (110 to 179)	142 (126 to 160)	0.341 (0.0168 to 0.738)
14 Colorectal cancer	14 Age-related hearing loss	126 (94.1 to 166)	127 (107 to 148)	-0.308 (-0.527 to -0.104)
15 Lower respiratory infect	15 Liver cancer	184 (131 to 243)	185 (136 to 247)	24.2 (2.28 to 55.9)
16 COPD	16 Road injuries	-3.81 (-29 to 34)	-3.41 (-27.5 to 35.5)	-21.1 (-44.1 to 17.3)
17 Anxiety disorders	17 Hypertensive heart disease	268 (181 to 361)	269 (185 to 361)	18.3 (-10.2 to 55.1)
18 Breast cancer	18 Headache disorders	-3.97 (-21.1 to 15.3)	-3.74 (-12 to 11.8)	0.772 (0.329 to 1.07)
19 Depressive disorders	19 Urinary diseases	304 (233 to 388)	306 (241 to 380)	31.9 (13.4 to 60.1)
20 Age-related hearing loss	20 Breast cancer	40.4 (3.43 to 79)	40.7 (8.1 to 71.2)	-16.2 (-34.1 to 4.83)
21 Osteoarthritis	22 Neonatal disorders			
26 Liver cancer	24 Anxiety disorders			
32 Alzheimer's disease	25 Congenital defects			
40 Hypertensive heart disease	29 Depressive disorders			
52 Urinary diseases	153 COVID-19			



### Japan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Alzheimer's disease	23.3 (10.9 to 35.6)	44.5 (33.6 to 54.6)	-10.2 (-14.2 to -6.05)
2 Alzheimer's disease	2 Low back pain	-13.1 (-19.7 to -6.44)	1.79 (-0.988 to 4.3)	-2.02 (-2.07 to -1.97)
3 Low back pain	3 Stroke	-26.1 (-34.1 to -17.1)	-13.4 (-20.9 to -4.33)	-31 (-37.7 to -23.2)
4 Ischemic heart disease	4 Diabetes	10.1 (2.05 to 18.8)	29 (24.5 to 32.7)	14.6 (12.4 to 16.5)
5 Lung cancer	5 Other musculoskeletal	4.44 (-3.34 to 13.2)	22.4 (18.5 to 26.5)	19.9 (19.2 to 20.6)
6 Other musculoskeletal	6 Lung cancer	-4.99 (-21.3 to 14.8)	11.3 (-6.21 to 30.8)	-18.2 (-30.1 to -5.58)
7 Diabetes	7 Lower respiratory infect	12.2 (-3.29 to 30.7)	31.5 (14.1 to 47.4)	-18.6 (-28.6 to -8.42)
8 Colorectal cancer	8 Colorectal cancer	2.19 (-17.7 to 25)	19.8 (-3.19 to 45.1)	-10.7 (-27.9 to 9.36)
9 Lower respiratory infect	9 Age-related hearing loss	5.42 (-2.27 to 13.9)	23.5 (19.6 to 27.9)	-0.378 (-0.435 to -0.327)
10 Age-related hearing loss	10 Chronic kidney disease	66.2 (34.7 to 100)	94.9 (55.2 to 136)	20.7 (-0.651 to 46.4)
11 Osteoarthritis	11 Ischemic heart disease	-44.9 (-55.6 to -31.4)	-35.4 (-47.5 to -19.1)	-55.3 (-64.8 to -43.7)
12 Stomach cancer	12 Osteoarthritis	-0.601 (-8.24 to 7)	16.5 (13.1 to 19.4)	0.923 (0.786 to 1.09)
13 Falls	13 Pancreatic cancer	29.2 (4.4 to 58.2)	51.4 (24.1 to 79.1)	19 (-1.96 to 39.6)
14 Self-harm	14 Falls	-2.89 (-14 to 9.15)	13.8 (3.59 to 25.3)	-15.6 (-22.5 to -8.11)
15 Pancreatic cancer	15 COPD	12.5 (-4.84 to 30.5)	31.8 (14.1 to 51)	-12.6 (-25.4 to 1.88)
16 COPD	16 Liver cancer	29.9 (13.1 to 50.2)	52.3 (32.5 to 73)	28.1 (13.1 to 45.4)
17 Chronic kidney disease	17 Stomach cancer	-28.2 (-35.4 to -19.6)	-15.9 (-22.3 to -7.88)	-38.9 (-43.1 to -33.9)
18 Headache disorders	18 Self-harm	-30.5 (-38.7 to -22.2)	-18.5 (-27.4 to -9.09)	-14.9 (-26.5 to -1.25)
19 Depressive disorders	19 Headache disorders	-18.9 (-24.5 to -12.9)	-4.92 (-6.69 to -2.36)	0.108 (0.0241 to 0.177)
20 Liver cancer	20 Depressive disorders	-15 (-21.7 to -8.64)	-0.401 (-1.75 to 1.2)	-1.05 (-1.1 to -0.988)

### South Korea, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	49.7 (37.3 to 63.3)	62.9 (53.9 to 73.5)	8.02 (2.51 to 12.3)
2 Stroke	2 Alzheimer's disease	173 (144 to 206)	197 (172 to 225)	-18.1 (-21.5 to -14.2)
3 Low back pain	3 Stroke	24.3 (11.8 to 38.6)	35.3 (21.9 to 48.2)	-43.1 (-49.2 to -37.2)
4 COVID-19	4 Low back pain	4.68 (-4.1 to 14.2)	13.9 (7.98 to 20.9)	-2.4 (-2.54 to -2.26)
5 Other musculoskeletal	5 Lung cancer	47.6 (23.2 to 73.1)	60.6 (36.2 to 87)	-28.6 (-37.5 to -18.8)
6 Self-harm	6 Falls	35.4 (19.2 to 53.4)	47.3 (30.6 to 65.3)	-24.1 (-30.8 to -17)
7 Alzheimer's disease	7 Lower respiratory infect	152 (110 to 201)	175 (135 to 217)	-25.7 (-35.3 to -16)
8 Falls	8 COPD	114 (81 to 154)	133 (103 to 170)	-20.5 (-30.3 to -8.67)
9 Lung cancer	9 Other musculoskeletal	15.1 (4.78 to 25.6)	25.2 (16.7 to 35.5)	23.6 (22.4 to 24.7)
10 Ischemic heart disease	10 Liver cancer	60.2 (39.4 to 82.8)	74.4 (52.5 to 97.1)	5.36 (-7.86 to 19.5)
11 Liver cancer	11 Age-related hearing loss	74.3 (58.8 to 91.7)	89.7 (74.7 to 105)	-0.272 (-0.477 to -0.053)
12 Osteoarthritis	12 Chronic kidney disease	194 (137 to 251)	219 (158 to 280)	1.7 (-15.7 to 22.4)
13 Age-related hearing loss	13 Osteoarthritis	45.8 (34.6 to 56.8)	58.7 (52.8 to 65.8)	0.326 (0.109 to 0.556)
14 Headache disorders	14 Colorectal cancer	79.9 (44.7 to 120)	95.8 (61.4 to 138)	-13.4 (-27.4 to 4.56)
15 COPD	15 Ischemic heart disease	2.08 (-17.2 to 22.3)	11.1 (-9.97 to 32.8)	-61.1 (-67.8 to -53)
16 Stomach cancer	16 Self-harm	-27.4 (-36.4 to -18.8)	-21 (-29 to -12.8)	-24.2 (-32.9 to -14.1)
17 Colorectal cancer	17 Pancreatic cancer	98 (59.4 to 139)	115 (77.3 to 159)	6.43 (-10.9 to 25.2)
18 Cirrhosis liver	18 Stomach cancer	8.4 (-5.37 to 22.3)	18 (5.66 to 29.1)	-44.8 (-48.3 to -41)
19 Road injuries	19 Cirrhosis liver	7 (-7.34 to 23.4)	16.4 (2.6 to 30.8)	-14.1 (-24.5 to -3)
20 Lower respiratory infect	20 Atrial fibrillation	157 (125 to 184)	179 (148 to 211)	0.159 (-5.74 to 6.11)
24 Chronic kidney disease	21 Headache disorders			
25 Pancreatic cancer	24 Road injuries			
36 Atrial fibrillation	155 COVID-19			

### Singapore, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Lower respiratory infect	203 (164 to 247)	128 (102 to 161)	-22.1 (-31 to -9.98)
2 Low back pain	2 Diabetes	164 (141 to 187)	99 (87 to 114)	53.1 (50.1 to 55.7)
3 Lower respiratory infect	3 Alzheimer's disease	294 (251 to 341)	197 (168 to 229)	-7.58 (-11.4 to -3.46)
4 Diabetes	4 Other musculoskeletal	87.7 (70.4 to 106)	41.4 (31.5 to 50.8)	30.4 (29.3 to 31.5)
5 Other musculoskeletal	5 Low back pain	44.4 (32.5 to 57)	8.8 (3.02 to 15.3)	-2.5 (-2.73 to -2.23)
6 Stroke	6 Ischemic heart disease	-2.73 (-23.7 to 27.6)	-26.7 (-41.8 to -5.1)	-63 (-70.9 to -51.7)
7 Osteoarthritis	7 Age-related hearing loss	127 (106 to 151)	71.2 (57 to 86.1)	-0.911 (-1.16 to -0.642)
8 Age-related hearing loss	8 Osteoarthritis	102 (87.2 to 118)	52.3 (44.4 to 61.2)	2.38 (2.12 to 2.62)
9 Falls	9 Stroke	62.7 (44 to 82.7)	22.6 (12.6 to 34.8)	-33.4 (-40.2 to -25.1)
10 Lung cancer	10 Lung cancer	104 (67.3 to 143)	54 (26.5 to 84.3)	-19.9 (-33.2 to -5.08)
11 Headache disorders	11 Colorectal cancer	132 (75.9 to 188)	74.9 (33.8 to 118)	-7.9 (-27.4 to 12.3)
12 Alzheimer's disease	12 Urinary diseases	372 (285 to 465)	256 (193 to 323)	24.4 (7.28 to 44.5)
13 COVID-19	13 Falls	63 (46.2 to 81.2)	22.9 (12.7 to 35.1)	-16.8 (-24.6 to -7.78)
14 Colorectal cancer	14 Chronic kidney disease	215 (145 to 307)	138 (86.8 to 205)	-3.06 (-24.7 to 27.1)
15 Depressive disorders	15 COPD	194 (141 to 252)	122 (86.3 to 159)	-9.94 (-24.3 to 8.32)
16 Anxiety disorders	16 Headache disorders	20.7 (11.6 to 30.9)	-9.04 (-12.7 to -3.67)	0.5 (0.195 to 0.766)
17 Self-harm	17 Hypertensive heart disease	201 (133 to 287)	126 (79.6 to 191)	11.3 (-14.9 to 44.6)
18 Autism spectrum	18 Depressive disorders	40.8 (30 to 52.5)	6.07 (1.21 to 10.7)	-1.48 (-1.73 to -1.19)
19 Breast cancer	19 Pancreatic cancer	186 (123 to 250)	116 (70.3 to 163)	20.5 (-4.95 to 45.1)
20 Neck pain	20 Liver cancer	134 (96.5 to 178)	76.1 (51.1 to 104)	6.9 (-9.46 to 26.5)
21 Chronic kidney disease	22 Anxiety disorders			
25 COPD	24 Breast cancer			
28 Liver cancer	25 Neck pain			
29 Hypertensive heart disease	26 Autism spectrum			
30 Urinary diseases	27 Self-harm			
32 Pancreatic cancer	151 COVID-19			

### Canada, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	67.2 (55.3 to 81.5)	29.7 (23 to 37)	16.4 (10.9 to 21.2)
2 Low back pain	2 Alzheimer's disease	108 (87.7 to 131)	61.3 (48 to 75.3)	-5.13 (-9.66 to -0.991)
3 Other musculoskeletal	3 Other musculoskeletal	45 (36.2 to 55.2)	12.5 (9.51 to 15.5)	14.9 (14.2 to 15.6)
4 Diabetes	4 Low back pain	30 (22.3 to 38.5)	0.832 (-1.99 to 4.03)	-1.61 (-1.69 to -1.52)
5 Lung cancer	5 Ischemic heart disease	-6.68 (-24.2 to 14.8)	-27.6 (-42 to -10.7)	-51.6 (-61.6 to -39.5)
6 Alzheimer's disease	6 Drug use disorders	83.7 (64.6 to 105)	42.4 (29 to 57.2)	40.6 (27.4 to 55.3)
7 Stroke	7 Lung cancer	25.3 (4.52 to 46.4)	-2.86 (-16.9 to 14.9)	-15.9 (-26.5 to -3.35)
8 Drug use disorders	8 Falls	63.7 (45.9 to 78.5)	27 (16.2 to 38.3)	-13.5 (-18.9 to -7.11)
9 Falls	9 COPD	60.4 (36.1 to 88.6)	24.4 (7.02 to 41.9)	-9.42 (-23.1 to 4.05)
10 COVID-19	10 Stroke	24 (11.6 to 36.1)	-3.8 (-12 to 5.8)	-27.8 (-34.8 to -20.2)
11 COPD	11 Age-related hearing loss	51.3 (41.2 to 62.4)	17.3 (11.4 to 23.2)	-0.421 (-0.495 to -0.338)
12 Headache disorders	12 Headache disorders	27.6 (19.4 to 35.9)	-1.07 (-2.51 to 0.428)	-0.277 (-0.473 to -0.0522)
13 Age-related hearing loss	13 Chronic kidney disease	185 (139 to 242)	121 (82.5 to 160)	32.7 (9.39 to 61.5)
14 Depressive disorders	14 Colorectal cancer	48.2 (22.4 to 82.5)	14.9 (-5.31 to 40.9)	-11.5 (-27.4 to 7.13)
15 Self-harm	15 Depressive disorders	28.3 (20.5 to 37.5)	-0.493 (-1.65 to 0.816)	-0.989 (-1.1 to -0.876)
16 Colorectal cancer	16 Anxiety disorders	28.9 (20.3 to 37.7)	-0.0909 (-1.57 to 1.43)	0.0902 (-0.0765 to 0.248)
17 Anxiety disorders	17 Self-harm	15.3 (-0.381 to 33.6)	-10.6 (-22 to 2.12)	-10.5 (-23.4 to 4.07)
18 Breast cancer	18 Atrial fibrillation	122 (96.6 to 147)	72.3 (56.3 to 90.1)	11.8 (4.94 to 17.9)
19 Osteoarthritis	19 Lower respiratory infect	74.4 (53.7 to 99)	35.3 (17.8 to 53.3)	-18.2 (-27.1 to -7.01)
20 Cirrhosis liver	20 Pancreatic cancer	80.9 (50.1 to 120)	40.2 (17.8 to 71.4)	19.5 (1.91 to 43.3)
23 Lower respiratory infect	21 Osteoarthritis			
25 Pancreatic cancer	22 Breast cancer			
27 Chronic kidney disease	28 Cirrhosis liver			
29 Atrial fibrillation	152 COVID-19			

### Greenland, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Self-harm	1 Lung cancer	17.8 (-4.93 to 46.5)	11.2 (-11 to 36.3)	-17.5 (-32.9 to -0.279)
2 Lung cancer	2 Self-harm	-22.3 (-36.6 to -4.87)	-26.6 (-37.5 to -11.7)	-21.9 (-35 to -4.29)
3 COVID-19	3 COPD	73.7 (36.1 to 122)	63.9 (31.9 to 106)	-14.6 (-31.3 to 7.21)
4 Ischemic heart disease	4 Stroke	17 (-6.02 to 43)	10.4 (-9.08 to 34.1)	-42.4 (-52.8 to -29.8)
5 Stroke	5 Ischemic heart disease	-17.3 (-40.5 to 12.3)	-22 (-43 to 7.55)	-56.8 (-69.3 to -39.2)
6 Depressive disorders	6 Falls	58.5 (36.7 to 79.5)	49.6 (35 to 64.8)	-16.8 (-23 to -10.5)
7 Low back pain	7 Other musculoskeletal	33.9 (19.8 to 48.7)	26.3 (21.5 to 31.9)	25.9 (24.9 to 26.9)
8 COPD	8 Alzheimer's disease	260 (192 to 331)	240 (181 to 296)	-8.13 (-12.2 to -4.03)
9 Other musculoskeletal	9 Low back pain	15.6 (2.86 to 26.4)	9.09 (4.69 to 14.2)	-1.73 (-1.91 to -1.53)
10 Falls	10 Depressive disorders	0.48 (-9.97 to 10.7)	-5.18 (-6.89 to -3.21)	-0.938 (-1.17 to -0.679)
11 Alcohol use disorders	11 Colorectal cancer	36.6 (1.97 to 77.7)	29 (-6.26 to 68.9)	-15.2 (-37.7 to 9.94)
12 Colorectal cancer	12 Diabetes	45.6 (23.2 to 67.8)	37.4 (22.5 to 52.8)	-3.76 (-12.5 to 6.27)
13 Headache disorders	13 Alcohol use disorders	-7.91 (-21.9 to 4.52)	-13.1 (-21.8 to -1.65)	-9.42 (-19.1 to 1.31)
14 Neonatal disorders	14 Pancreatic cancer	70.7 (31.7 to 120)	61 (25.2 to 104)	16.3 (-9.58 to 44.1)
15 Diabetes	15 Age-related hearing loss	70.2 (47.9 to 90.9)	60.7 (46.9 to 75.9)	-1.45 (-1.73 to -1.12)
16 Anxiety disorders	16 Lower respiratory infect	87.3 (49.3 to 129)	76.8 (43.3 to 110)	-24.5 (-37.2 to -11.9)
17 Pancreatic cancer	17 Headache disorders	3.15 (-7.99 to 13.7)	-2.65 (-5.12 to 2.4)	1.04 (0.629 to 1.45)
18 Age-related hearing loss	18 Chronic kidney disease	130 (72 to 199)	117 (59.9 to 187)	-0.351 (-25.1 to 33)
19 Interpersonal violence	19 Anxiety disorders	5.13 (-5.53 to 15.1)	-0.779 (-4.05 to 2.63)	1.21 (0.814 to 1.59)
20 Cirrhosis liver	20 Atrial fibrillation	166 (118 to 214)	151 (113 to 187)	-2.76 (-9.08 to 3.23)
21 Lower respiratory infect	24 Cirrhosis liver			
22 Alzheimer's disease	25 Neonatal disorders			
31 Chronic kidney disease	38 Interpersonal violence			
44 Atrial fibrillation	157 COVID-19			

### USA, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Drug use disorders	25.5 (11 to 42.4)	18.2 (5.64 to 32)	19.8 (6.49 to 33.7)
2 Drug use disorders	2 Diabetes	25.3 (16 to 34.6)	18.1 (11.5 to 24)	2.03 (-3.06 to 6.63)
3 COVID-19	3 Ischemic heart disease	-25.6 (-38.8 to -10.2)	-29.9 (-40.8 to -16.6)	-51.9 (-60.7 to -41.1)
4 Diabetes	4 Alzheimer's disease	88.1 (69.8 to 107)	77.2 (64.1 to 90.1)	1.33 (-2.13 to 4.97)
5 Low back pain	5 COPD	32.4 (15.4 to 48.9)	24.7 (10.9 to 41)	-8.78 (-20.4 to 3.44)
6 COPD	6 Low back pain	11.7 (4.5 to 19.4)	5.26 (3.35 to 7.29)	-1.24 (-1.3 to -1.18)
7 Other musculoskeletal	7 Chronic kidney disease	103 (74 to 136)	91.4 (63.7 to 122)	31.5 (11.9 to 55.3)
8 Stroke	8 Other musculoskeletal	22.6 (15.3 to 31.3)	15.5 (13.6 to 17.6)	12.8 (12.2 to 13.3)
9 Lung cancer	9 Stroke	1.86 (-6.59 to 11.6)	-4.03 (-10.3 to 3.05)	-28.9 (-34.4 to -22.4)
10 Alzheimer's disease	10 Lung cancer	7.48 (-7.48 to 24.4)	1.26 (-12.2 to 16.6)	-17.5 (-27.9 to -6.64)
11 Depressive disorders	11 Falls	30.3 (18.5 to 44)	22.8 (13 to 33.5)	-10 (-15.9 to -3.39)
12 Road injuries	12 Age-related hearing loss	31.8 (23 to 40.7)	24.2 (20 to 28.9)	-0.118 (-0.206 to -0.0359)
13 Falls	13 Depressive disorders	4.34 (-2.23 to 11.2)	-1.7 (-2.63 to -0.661)	-0.853 (-0.95 to -0.759)
14 Chronic kidney disease	14 Road injuries	10.6 (-11 to 33.9)	4.24 (-15.6 to 25.4)	4.09 (-18 to 29)
15 Anxiety disorders	15 Anxiety disorders	6.02 (-0.381 to 13)	-0.113 (-1.44 to 1.29)	-0.000416 (-0.0758 to 0.0837)
16 Headache disorders	16 Headache disorders	5.02 (-1.72 to 12.7)	-1.05 (-2.61 to 2.66)	-0.228 (-0.378 to -0.028)
17 Age-related hearing loss	17 Hypertensive heart disease	72.5 (45.9 to 107)	62.6 (35.9 to 98.4)	25.8 (3.84 to 53.9)
18 Self-harm	18 Osteoarthritis	23 (14.9 to 31.7)	15.9 (13.1 to 18.9)	0.584 (0.436 to 0.725)
19 Cirrhosis liver	19 Colorectal cancer	18.9 (-2.49 to 43.1)	12 (-7.92 to 32.5)	-11.9 (-26.9 to 3.32)
20 Osteoarthritis	20 Self-harm	-9.11 (-20.3 to 1.23)	-14.3 (-22.8 to -4.89)	-13.3 (-22.9 to -2.28)
21 Colorectal cancer	22 Cirrhosis liver			
24 Hypertensive heart disease	153 COVID-19			

### Argentina, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Lower respiratory infect	42.5 (19.2 to 70.7)	38 (21.7 to 55)	-18.7 (-28.9 to -9.34)
2 Ischemic heart disease	2 Other musculoskeletal	64.6 (42 to 89.5)	59.4 (52.1 to 67.4)	30.6 (29.1 to 32.1)
3 Low back pain	3 Diabetes	77.2 (49.8 to 108)	71.6 (56.4 to 88.2)	11.8 (2.05 to 21)
4 Stroke	4 Low back pain	22.3 (6.06 to 41.2)	18.4 (13.3 to 23.9)	-3.78 (-3.88 to -3.67)
5 Other musculoskeletal	5 Ischemic heart disease	-11.8 (-34.7 to 13.8)	-14.5 (-34.5 to 9.72)	-48.4 (-61.9 to -30.8)
6 COVID-19	6 Chronic kidney disease	103 (60.4 to 153)	96.2 (58.2 to 135)	17.8 (-7.81 to 44.1)
7 Diabetes	7 Stroke	4.16 (-12.4 to 24.3)	0.905 (-11.1 to 14.4)	-35.3 (-44.2 to -25.8)
8 Road injuries	8 Lung cancer	67.1 (32 to 106)	61.7 (37.3 to 92.2)	0.706 (-13.9 to 17.4)
9 Neonatal disorders	9 COPD	62.9 (32.3 to 97.8)	57.9 (32.7 to 82.7)	-7.16 (-22.7 to 8.37)
10 Chronic kidney disease	10 Alzheimer's disease	94.3 (63.8 to 126)	88 (73.5 to 104)	0.0238 (-4.52 to 5)
11 Anxiety disorders	11 Colorectal cancer	58.9 (18.1 to 108)	53.7 (19 to 94.4)	-4.08 (-23.9 to 20)
12 COPD	12 Age-related hearing loss	57.8 (35.9 to 82.9)	52.8 (45.6 to 59.8)	-0.363 (-0.485 to -0.222)
13 Lung cancer	13 Road injuries	0.358 (-22.8 to 26.6)	-2.74 (-23.9 to 21.8)	-2.69 (-25.9 to 23.4)
14 Colorectal cancer	14 Anxiety disorders	3.76 (-10.7 to 21.6)	0.43 (-2.77 to 3.7)	0.08 (-0.0312 to 0.183)
15 Headache disorders	15 Pancreatic cancer	125 (74.2 to 192)	118 (79.9 to 167)	36 (12.2 to 64.7)
16 Self-harm	16 Breast cancer	45.1 (15.6 to 87.2)	40.4 (21.6 to 68.8)	-7.29 (-20.2 to 9.44)
17 Depressive disorders	17 Hypertensive heart disease	92.7 (48.4 to 138)	86.7 (52.1 to 121)	7.09 (-14.7 to 30.3)
18 Alzheimer's disease	18 Other cardiovascular	43.6 (22.2 to 69.9)	39.1 (27.5 to 53.8)	-13.1 (-21 to -4.32)
19 Congenital defects	19 Headache disorders	6.55 (-9.16 to 25.2)	3.11 (-2.19 to 14.2)	-0.144 (-0.278 to 0.00201)
20 Age-related hearing loss	20 Osteoarthritis	64.2 (42.5 to 88.1)	59 (52 to 65.3)	2.01 (1.75 to 2.3)
21 Breast cancer	22 Depressive disorders			
22 Other cardiovascular	26 Neonatal disorders			
26 Osteoarthritis	27 Self-harm			
30 Hypertensive heart disease	36 Congenital defects			
32 Pancreatic cancer	159 COVID-19			

### Chile, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	106 (85.1 to 127)	80.1 (69.1 to 91.6)	20.4 (13.1 to 27.3)
2 Low back pain	2 Other musculoskeletal	65.2 (49.8 to 82.1)	44.8 (39.4 to 51.1)	28.4 (27.1 to 29.8)
3 Other musculoskeletal	3 Low back pain	30 (18.8 to 40.9)	13.9 (9.84 to 18.4)	-3.56 (-3.66 to -3.45)
4 Ischemic heart disease	4 Alzheimer's disease	166 (137 to 203)	133 (116 to 154)	-4.76 (-8.47 to -0.589)
5 Stroke	5 Stroke	15 (0.222 to 30.4)	0.779 (-9.95 to 12.1)	-42.7 (-48.7 to -35.2)
6 Diabetes	6 Chronic kidney disease	155 (108 to 214)	124 (84.3 to 170)	7.67 (-11.2 to 29.8)
7 Depressive disorders	7 Falls	53.6 (33 to 76.7)	34.5 (21.2 to 48.6)	-8.05 (-17.4 to 0.891)
8 Anxiety disorders	8 Ischemic heart disease	-8.25 (-26.6 to 16.7)	-19.6 (-35 to 1.28)	-54.1 (-63.2 to -41.2)
9 Cirrhosis liver	9 Lower respiratory infect	90.2 (61.9 to 124)	66.7 (44.2 to 89.1)	-23.6 (-32.4 to -16)
10 Falls	10 Age-related hearing loss	84.1 (64.9 to 107)	61.3 (53.2 to 69.7)	-0.286 (-0.413 to -0.15)
11 Road injuries	11 COPD	127 (89.9 to 176)	98.6 (70.7 to 136)	-9.3 (-22.6 to 6.84)
12 Headache disorders	12 Depressive disorders	13.3 (3.09 to 25.7)	-0.716 (-4.26 to 3.46)	-1.82 (-1.98 to -1.68)
13 Alzheimer's disease	13 Cirrhosis liver	27.1 (13.9 to 42.7)	11.4 (1.87 to 20.7)	-14.8 (-22 to -7.56)
14 Age-related hearing loss	14 Anxiety disorders	11.7 (1.37 to 25.2)	-2.15 (-6.25 to 2.72)	-0.0132 (-0.277 to 0.195)
15 Self-harm	15 Lung cancer	62.1 (33.4 to 89.2)	42.1 (21.5 to 65.5)	-10.5 (-22.5 to 3.18)
16 Lower respiratory infect	16 Colorectal cancer	77.5 (42.9 to 117)	55.6 (25.6 to 91.4)	-6.79 (-24.2 to 12.2)
17 Chronic kidney disease	17 Hypertensive heart disease	156 (102 to 214)	124 (82.2 to 167)	2.5 (-17 to 23.1)
18 Stomach cancer	18 Osteoarthritis	73 (57.2 to 89.5)	51.6 (45.8 to 57.3)	1.8 (1.54 to 2.06)
19 Neonatal disorders	19 Road injuries	4.36 (-19.5 to 32.5)	-8.56 (-27 to 15.6)	-10.5 (-30.5 to 15.1)
20 Lung cancer	20 Urinary diseases	184 (140 to 240)	149 (118 to 184)	18.8 (6.58 to 33.2)
22 Colorectal cancer	21 Headache disorders			
23 COPD	24 Stomach cancer			
25 Osteoarthritis	27 Self-harm			
30 Hypertensive heart disease	31 Neonatal disorders			
37 Urinary diseases	153 COVID-19			



### Uruguay, Reference scenario

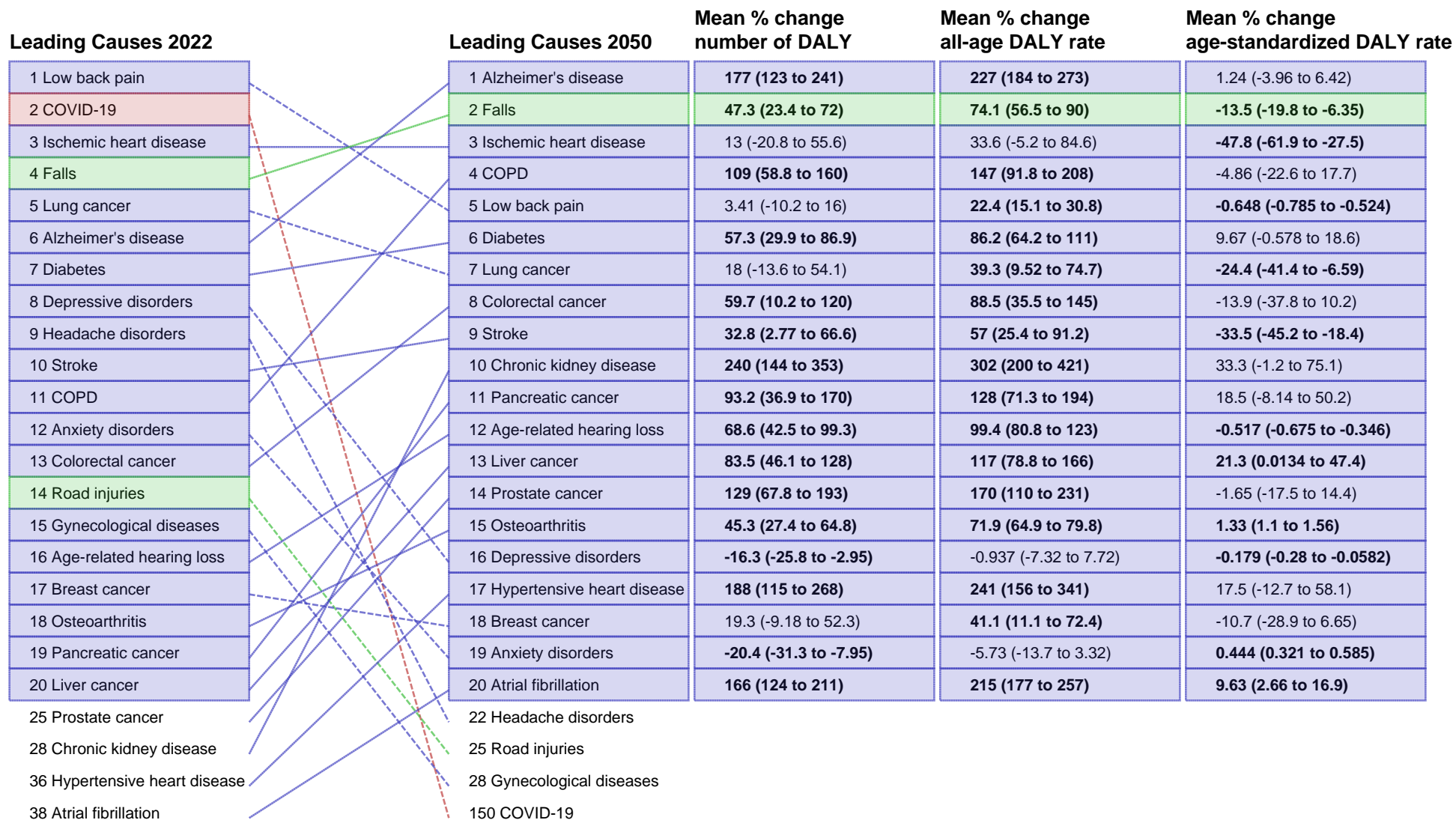
**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	36.6 (15.7 to 58.1)	46.7 (32.4 to 59.6)	9.12 (0.984 to 17.7)
2 Stroke	2 Other musculoskeletal	38.6 (18.7 to 60.1)	48.9 (43.1 to 54.7)	31 (29.5 to 32.6)
3 COVID-19	3 Low back pain	3.83 (-11.5 to 19.6)	11.5 (7.7 to 15.5)	-3.87 (-3.99 to -3.74)
4 Low back pain	4 Lung cancer	14.1 (-8.45 to 40)	22.5 (3.6 to 43.6)	-11.8 (-25.3 to 1.53)
5 Lung cancer	5 Stroke	-28.6 (-41 to -15.8)	-23.2 (-31.6 to -14)	-44.1 (-51.2 to -35.2)
6 Diabetes	6 COPD	16.4 (-4.34 to 41.7)	25.1 (6.56 to 44.7)	-15.1 (-28.2 to -0.156)
7 Other musculoskeletal	7 Ischemic heart disease	-36.8 (-51.6 to -17.5)	-32.1 (-46.1 to -13.3)	-52.8 (-63.2 to -38)
8 COPD	8 Colorectal cancer	26.4 (-2.47 to 56.8)	35.9 (7.7 to 65.1)	-4.84 (-24.3 to 15)
9 Colorectal cancer	9 Alzheimer's disease	40.8 (18.4 to 61.8)	51.2 (40.4 to 62)	-2.82 (-7.13 to 1.56)
10 Self-harm	10 Lower respiratory infect	7.27 (-11.3 to 28.7)	15.2 (1.8 to 30.6)	-24.1 (-32.2 to -13.9)
11 Road injuries	11 Chronic kidney disease	51 (21.5 to 88.5)	62.2 (33.6 to 94.6)	9.49 (-11.6 to 37)
12 Lower respiratory infect	12 Road injuries	-8.22 (-29 to 23)	-1.45 (-20.7 to 24.4)	0.94 (-20.8 to 31.6)
13 Alzheimer's disease	13 Pancreatic cancer	68.2 (32.5 to 111)	80.8 (47.5 to 117)	29.1 (7.04 to 55.7)
14 Breast cancer	14 Breast cancer	14.5 (-6.01 to 37.4)	23 (5.73 to 41.8)	-9.51 (-23.1 to 3.39)
15 Anxiety disorders	15 Self-harm	-20.3 (-34.1 to -5.89)	-14.4 (-24.7 to -2.41)	-11.2 (-24.2 to 3.12)
16 Depressive disorders	16 Age-related hearing loss	25.3 (6.32 to 43.2)	34.7 (28.6 to 40.2)	-0.469 (-0.567 to -0.368)
17 Falls	17 Falls	16.7 (-1.44 to 36.3)	25.4 (14.6 to 35.7)	-1.81 (-11.2 to 6.3)
18 Age-related hearing loss	18 Urinary diseases	78.2 (44.4 to 114)	91.4 (66.5 to 122)	24.6 (8.71 to 45.5)
19 Chronic kidney disease	19 Anxiety disorders	-7.54 (-21.5 to 6.73)	-0.695 (-4.89 to 4.42)	-0.256 (-0.446 to -0.0582)
20 Headache disorders	20 Prostate cancer	39.9 (15.9 to 67.9)	50.4 (31 to 72)	1.87 (-10.3 to 14.5)
22 Pancreatic cancer	21 Depressive disorders			
24 Prostate cancer	23 Headache disorders			
32 Urinary diseases	153 COVID-19			

### Andorra, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries



### Austria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-15 (-31.6 to 3.04)	-22.1 (-37.6 to -5.7)	-51.7 (-62.3 to -40.3)
2 Low back pain	2 Alzheimer's disease	74.2 (52.8 to 96.1)	59.4 (48.3 to 70.9)	-9.94 (-14 to -6)
3 Falls	3 Falls	24.5 (8.77 to 40)	13.9 (4.72 to 24.6)	-15.7 (-22.2 to -8.8)
4 Alzheimer's disease	4 Low back pain	15.2 (5.3 to 25.3)	5.5 (2.61 to 8.92)	-1.91 (-1.99 to -1.83)
5 COVID-19	5 Chronic kidney disease	153 (105 to 202)	131 (87.7 to 171)	26.3 (3.21 to 50.7)
6 Stroke	6 COPD	37.5 (14.5 to 59.3)	26 (8.51 to 43.7)	-14.5 (-27.5 to -0.856)
7 Lung cancer	7 Stroke	4.58 (-6.83 to 18.5)	-4.25 (-12.6 to 4.23)	-34.5 (-40.6 to -27.7)
8 COPD	8 Diabetes	39.6 (23.7 to 58.3)	27.8 (15.9 to 40.4)	2.6 (-5.2 to 9.98)
9 Diabetes	9 Lung cancer	3.51 (-13.6 to 21)	-5.26 (-18.5 to 10.8)	-22.7 (-33.5 to -9.86)
10 Anxiety disorders	10 Atrial fibrillation	87.8 (64.2 to 112)	71.9 (57.7 to 86.3)	3.45 (-2.13 to 10.9)
11 Headache disorders	11 Anxiety disorders	7.53 (-1.18 to 16.1)	-1.54 (-3.77 to 0.936)	0.182 (0.0551 to 0.302)
12 Depressive disorders	12 Headache disorders	3.52 (-5.06 to 11.9)	-5.22 (-6.7 to -2.37)	-0.0561 (-0.272 to 0.077)
13 Gynecological diseases	13 Hypertensive heart disease	89.9 (56.7 to 127)	73.9 (45.7 to 108)	0.606 (-17.7 to 23.6)
14 Age-related hearing loss	14 Age-related hearing loss	43.7 (29.4 to 57.8)	31.5 (25.7 to 38.1)	-0.198 (-0.317 to -0.0457)
15 Colorectal cancer	15 Pancreatic cancer	58.4 (29.7 to 94.2)	45 (20 to 73.4)	10.3 (-8.27 to 31.9)
16 Self-harm	16 Depressive disorders	8.43 (-0.406 to 17.1)	-0.729 (-2.51 to 1.32)	-1.01 (-1.13 to -0.885)
17 Neck pain	17 Colorectal cancer	27.3 (0.0689 to 58.4)	16.5 (-5.55 to 41.2)	-18.5 (-33.1 to -1.29)
18 Osteoarthritis	18 Osteoarthritis	32.1 (20 to 43.7)	20.9 (17.2 to 24.6)	0.801 (0.641 to 0.971)
19 Chronic kidney disease	19 Other musculoskeletal	23.6 (12.2 to 35.8)	13.1 (9.65 to 17.2)	17.4 (16.3 to 18.1)
20 Other musculoskeletal	20 Oral disorders	27.4 (15.6 to 40.4)	16.6 (11.7 to 20.8)	-0.0187 (-0.149 to 0.123)
23 Oral disorders	21 Neck pain			
25 Atrial fibrillation	22 Gynecological diseases			
26 Pancreatic cancer	28 Self-harm			
27 Hypertensive heart disease	153 COVID-19			

### Belgium, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	60.1 (41.4 to 78.2)	42.7 (30.8 to 52.9)	-8.52 (-12.7 to -4.57)
2 Low back pain	2 Falls	21.8 (9.17 to 35.6)	8.63 (1.04 to 16.9)	-13.3 (-19.2 to -6.96)
3 Falls	3 Low back pain	14.2 (4.01 to 25)	1.82 (-0.721 to 4.57)	-2.31 (-2.38 to -2.22)
4 Lung cancer	4 Diabetes	53.7 (38.8 to 67.9)	37 (30.4 to 43.7)	26 (20.4 to 31.1)
5 Alzheimer's disease	5 Lung cancer	-1.85 (-18.1 to 17.7)	-12.5 (-24.6 to 2.92)	-23.4 (-33.3 to -9.57)
6 Stroke	6 COPD	22 (3.59 to 42.7)	8.77 (-5.81 to 24.1)	-18.1 (-29.4 to -4.3)
7 COPD	7 Ischemic heart disease	-28 (-41.6 to -9.98)	-35.8 (-47.8 to -20.4)	-54.3 (-62.7 to -42.9)
8 COVID-19	8 Stroke	-6.2 (-18.8 to 6.59)	-16.4 (-24.5 to -7.53)	-35.7 (-42.7 to -27.7)
9 Headache disorders	9 Lower respiratory infect	38.5 (19.9 to 60.5)	23.5 (8.43 to 43.9)	-20.1 (-30 to -8.62)
10 Diabetes	10 Headache disorders	10.5 (1.47 to 20.2)	-1.47 (-2.69 to 0.364)	-0.0114 (-0.141 to 0.139)
11 Depressive disorders	11 Depressive disorders	12.2 (2.79 to 22.3)	0.0576 (-1.51 to 1.77)	-1.29 (-1.4 to -1.18)
12 Lower respiratory infect	12 Chronic kidney disease	147 (102 to 201)	120 (86.2 to 161)	36.7 (13.4 to 67.3)
13 Self-harm	13 Colorectal cancer	28.2 (0.964 to 60.2)	14.3 (-8.68 to 39.8)	-11.3 (-28.6 to 7.65)
14 Anxiety disorders	14 Age-related hearing loss	35.8 (23.6 to 48.9)	21.1 (16 to 26.8)	-0.548 (-0.693 to -0.396)
15 Colorectal cancer	15 Anxiety disorders	11.7 (1.91 to 20.9)	-0.385 (-1.83 to 1.05)	0.426 (0.35 to 0.498)
16 Gynecological diseases	16 Pancreatic cancer	56.9 (27.2 to 92.9)	39.8 (15.6 to 64.7)	17.8 (-3.55 to 38.3)
17 Age-related hearing loss	17 Osteoarthritis	26.5 (15 to 38)	12.8 (8.78 to 16.7)	1.8 (1.61 to 2)
18 Breast cancer	18 Breast cancer	14.5 (-3.1 to 35.8)	2.02 (-11.6 to 18.3)	-13.2 (-25.1 to -0.947)
19 Oral disorders	19 Oral disorders	22.9 (12.2 to 34.3)	9.55 (5.71 to 13.8)	0.392 (0.265 to 0.541)
20 Osteoarthritis	20 Self-harm	-12.1 (-25 to -0.257)	-21.6 (-30.5 to -12.2)	-22.6 (-32.1 to -12.3)
23 Pancreatic cancer	22 Gynecological diseases			
27 Chronic kidney disease	149 COVID-19			

### Cyprus, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	<b>77.1 (48.2 to 104)</b>	<b>60.4 (38.4 to 80.6)</b>	3.37 (-8.86 to 16.4)
2 Low back pain	2 Ischemic heart disease	-7.72 (-34.2 to 22.8)	-16.4 (-37.7 to 11.4)	<b>-54.2 (-66.7 to -35.2)</b>
3 Diabetes	3 Low back pain	<b>27.5 (13.2 to 44.7)</b>	<b>15.5 (9.81 to 20.6)</b>	<b>-2.43 (-2.62 to -2.2)</b>
4 COVID-19	4 Alzheimer's disease	<b>115 (82 to 150)</b>	<b>94.6 (76.9 to 115)</b>	<b>-7.47 (-11.7 to -3.77)</b>
5 Stroke	5 COPD	<b>100 (57 to 149)</b>	<b>81.5 (49.8 to 118)</b>	-8.1 (-26.4 to 14)
6 Falls	6 Falls	<b>48.2 (26.1 to 70.1)</b>	<b>34.2 (21.5 to 47.3)</b>	<b>-11 (-17.5 to -3.73)</b>
7 Headache disorders	7 Stroke	15.3 (-6.21 to 36.5)	4.41 (-12.4 to 23.1)	<b>-46.1 (-55 to -34.5)</b>
8 Anxiety disorders	8 Chronic kidney disease	<b>183 (114 to 270)</b>	<b>156 (95.9 to 225)</b>	18.5 (-10.2 to 56.1)
9 Lung cancer	9 Lung cancer	<b>32.6 (1.26 to 65.7)</b>	20 (-6.83 to 48.5)	<b>-23.5 (-39.9 to -7.84)</b>
10 COPD	10 Anxiety disorders	10.1 (-2.33 to 23.7)	-0.337 (-5.07 to 6.07)	0.139 (-0.177 to 0.466)
11 Alzheimer's disease	11 Headache disorders	3.48 (-8.83 to 18.1)	-6.32 (-10.3 to 1.33)	<b>-0.638 (-1.09 to -0.268)</b>
12 Depressive disorders	12 Other musculoskeletal	<b>53.2 (33.6 to 72.7)</b>	<b>38.7 (29.7 to 51.2)</b>	<b>27.3 (25.3 to 28.8)</b>
13 Gynecological diseases	13 Depressive disorders	12 (-1.95 to 26)	1.43 (-2.98 to 7.32)	<b>-1.86 (-2.22 to -1.49)</b>
14 Other musculoskeletal	14 Age-related hearing loss	<b>67.5 (46.6 to 89.2)</b>	<b>51.6 (42.5 to 60)</b>	<b>-0.791 (-0.979 to -0.596)</b>
15 Road injuries	15 Colorectal cancer	<b>69.7 (22.3 to 129)</b>	<b>53.6 (13.6 to 97.3)</b>	-11.6 (-32.5 to 11.2)
16 Breast cancer	16 Osteoarthritis	<b>69.6 (48.1 to 89.5)</b>	<b>53.5 (46.2 to 61)</b>	<b>2.31 (2.05 to 2.6)</b>
17 Age-related hearing loss	17 Breast cancer	<b>42.1 (13.5 to 73.4)</b>	<b>28.7 (6.87 to 53.3)</b>	<b>-17.2 (-30.2 to -2.49)</b>
18 Neck pain	18 Hypertensive heart disease	<b>161 (95.3 to 222)</b>	<b>136 (88.3 to 192)</b>	0.751 (-22.8 to 34.7)
19 Colorectal cancer	19 Oral disorders	<b>49.7 (30.6 to 68.2)</b>	<b>35.6 (27.5 to 45.2)</b>	<b>0.39 (0.223 to 0.586)</b>
20 Osteoarthritis	20 Prostate cancer	<b>92.2 (51.6 to 139)</b>	<b>74 (42 to 113)</b>	-3.89 (-19.1 to 12.1)
21 Chronic kidney disease	21 Gynecological diseases			
22 Oral disorders	26 Neck pain			
24 Prostate cancer	27 Road injuries			
27 Hypertensive heart disease	150 COVID-19			

### Denmark, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Low back pain	11.6 (3 to 20.2)	0.707 (-1.29 to 3)	-1.62 (-1.67 to -1.56)
2 COVID-19	2 COPD	21.7 (4.44 to 42.1)	9.82 (-4.28 to 25.6)	-15.1 (-25.1 to -3.27)
3 COPD	3 Lung cancer	1.96 (-12.2 to 17.7)	-8.03 (-19 to 3.79)	-18.8 (-27.4 to -8.81)
4 Lung cancer	4 Alzheimer's disease	54.4 (38.1 to 73.2)	39.3 (28.8 to 50.7)	-6.55 (-10.5 to -2.04)
5 Ischemic heart disease	5 Falls	33.1 (20.3 to 47.8)	20.1 (11.7 to 30.2)	-2.32 (-9.31 to 4.01)
6 Stroke	6 Diabetes	27.5 (13 to 42.9)	15 (7.22 to 24.1)	4.83 (-3.95 to 12.2)
7 Falls	7 Stroke	-19.2 (-27.5 to -9.14)	-27.1 (-33.2 to -21.1)	-41.4 (-46 to -36.2)
8 Alzheimer's disease	8 Ischemic heart disease	-36.3 (-46.2 to -22.9)	-42.6 (-51.3 to -31.4)	-57.1 (-63.8 to -48.5)
9 Diabetes	9 Colorectal cancer	15.3 (-7.52 to 42.3)	4.01 (-14 to 23.1)	-15.2 (-29 to -0.454)
10 Colorectal cancer	10 Chronic kidney disease	114 (79.3 to 155)	93.4 (65.8 to 126)	31.2 (11.4 to 53.9)
11 Depressive disorders	11 Lower respiratory infect	40.4 (19.4 to 62.9)	26.6 (12.2 to 42.8)	-16.4 (-25 to -7.17)
12 Headache disorders	12 Depressive disorders	11 (2.54 to 19.6)	0.12 (-1.12 to 1.49)	-0.994 (-1.07 to -0.919)
13 Anxiety disorders	13 Other musculoskeletal	30.1 (19.7 to 41)	17.4 (14.8 to 20.9)	17.9 (16.8 to 18.8)
14 Alcohol use disorders	14 Headache disorders	9.8 (1.43 to 18.1)	-0.937 (-1.85 to 0.468)	0.0282 (-0.0585 to 0.111)
15 Lower respiratory infect	15 Prostate cancer	46.5 (23.3 to 70.2)	32.1 (14.9 to 50.1)	2.62 (-7.02 to 14.3)
16 Other musculoskeletal	16 Anxiety disorders	10.4 (1.81 to 18.6)	-0.376 (-1.41 to 0.679)	0.257 (0.208 to 0.308)
17 Gynecological diseases	17 Alcohol use disorders	8.1 (-1.6 to 18)	-2.45 (-7.81 to 2.76)	-1.52 (-6.21 to 2.47)
18 Prostate cancer	18 Pancreatic cancer	43.4 (20.4 to 71)	29.3 (9.62 to 47.9)	14.3 (-1.44 to 30.4)
19 Breast cancer	19 Age-related hearing loss	27.3 (15.8 to 38.2)	14.9 (10.5 to 18.8)	-0.378 (-0.479 to -0.249)
20 Age-related hearing loss	20 Osteoarthritis	19.6 (9.81 to 29.3)	7.89 (5.42 to 10.7)	1.24 (1.09 to 1.4)
22 Osteoarthritis	22 Breast cancer			
24 Pancreatic cancer	26 Gynecological diseases			
25 Chronic kidney disease	148 COVID-19			

### Finland, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Alzheimer's disease	63.8 (44 to 84.6)	67.7 (53.8 to 79.4)	0.668 (-3.93 to 5.01)
2 Ischemic heart disease	2 Ischemic heart disease	-33.9 (-47.3 to -19.1)	-32.2 (-45.5 to -18.8)	-56.1 (-65.2 to -44.6)
3 Falls	3 Falls	13.5 (-0.00941 to 26)	16.2 (7.67 to 25.1)	-7.99 (-14.2 to -1.71)
4 Stroke	4 Low back pain	-0.564 (-10.1 to 9.29)	1.84 (-0.232 to 4.39)	-2.31 (-2.38 to -2.25)
5 Low back pain	5 Diabetes	26.8 (14.1 to 39.1)	29.9 (25.6 to 35)	19.1 (15.6 to 22.5)
6 Alzheimer's disease	6 Stroke	-18.6 (-28.3 to -5.64)	-16.6 (-23.4 to -8.14)	-36.7 (-43.5 to -29.6)
7 Diabetes	7 Lung cancer	-3.09 (-19.3 to 15.7)	-0.758 (-15.2 to 16)	-14.3 (-26.6 to -2.44)
8 Lung cancer	8 Depressive disorders	-2.78 (-11.4 to 6.16)	-0.414 (-1.77 to 0.962)	-1.07 (-1.14 to -0.989)
9 Depressive disorders	9 Hypertensive heart disease	64.5 (32.2 to 104)	68.5 (38.5 to 103)	8.65 (-10.3 to 32.5)
10 Headache disorders	10 COPD	21.7 (4.99 to 42.5)	24.7 (11.1 to 42.6)	-6.73 (-18.6 to 7.18)
11 Age-related hearing loss	11 Pancreatic cancer	46.6 (15.5 to 77.2)	50.1 (24.4 to 77.3)	25.6 (6.04 to 45.2)
12 COPD	12 Age-related hearing loss	20 (7.44 to 32.5)	22.9 (17.7 to 28.1)	-0.6 (-0.78 to -0.415)
13 Self-harm	13 Headache disorders	-3.64 (-12.7 to 5.49)	-1.29 (-2.84 to 2.03)	0.296 (0.123 to 0.375)
14 Colorectal cancer	14 Colorectal cancer	16.7 (-6.82 to 44)	19.5 (-3.11 to 44.4)	-6.93 (-23 to 11.5)
15 Cirrhosis liver	15 Prostate cancer	43.6 (18.8 to 70.7)	47 (26.3 to 67.4)	12 (1.22 to 24.6)
16 Pancreatic cancer	16 Osteoarthritis	9.61 (-1.66 to 20.1)	12.3 (9.77 to 14.7)	1.37 (1.15 to 1.58)
17 Osteoarthritis	17 Drug use disorders	14.1 (0.26 to 28.4)	16.9 (6.22 to 27.8)	17.3 (6.02 to 29.9)
18 Alcohol use disorders	18 Atrial fibrillation	56.1 (34.6 to 77.8)	59.9 (43.5 to 75.8)	6.81 (0.497 to 13.3)
19 Gynecological diseases	19 Oral disorders	6.31 (-4.1 to 16.5)	8.89 (6.27 to 11.4)	0.301 (0.172 to 0.455)
20 Hypertensive heart disease	20 Alcohol use disorders	-3.25 (-13.8 to 8.32)	-0.875 (-7.19 to 6.68)	-1.74 (-7.61 to 3.53)
22 Drug use disorders	25 Self-harm			
23 Oral disorders	26 Cirrhosis liver			
25 Prostate cancer	27 Gynecological diseases			
27 Atrial fibrillation	150 COVID-19			

### France, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Falls	24.6 (11 to 39.2)	28.2 (17.4 to 38.3)	-5.26 (-12.6 to 2.07)
2 Falls	2 Alzheimer's disease	61.5 (42.5 to 80.7)	66.2 (56.1 to 77.2)	-3.76 (-7.63 to -0.146)
3 Lung cancer	3 Low back pain	1.81 (-8.51 to 12.1)	4.81 (1.41 to 8.04)	-2.68 (-2.77 to -2.6)
4 Ischemic heart disease	4 Lung cancer	5.46 (-11.4 to 22.4)	8.54 (-5.18 to 23.9)	-7.11 (-18.8 to 5.72)
5 COVID-19	5 Diabetes	51.1 (33.4 to 70.4)	55.6 (43.7 to 70.8)	28.3 (19.3 to 35.7)
6 Alzheimer's disease	6 Ischemic heart disease	-21.3 (-36 to -5.8)	-19 (-32.4 to -3.81)	-49.5 (-57.9 to -40.1)
7 Stroke	7 Stroke	-8.46 (-20.4 to 3.98)	-5.76 (-14.1 to 3.48)	-34.7 (-40.8 to -28.1)
8 Depressive disorders	8 Other cardiovascular	20.4 (5.97 to 34.6)	24 (14.9 to 35.6)	-10.6 (-17.4 to -3.49)
9 Anxiety disorders	9 Colorectal cancer	24.5 (0.834 to 53.5)	28.2 (5.99 to 56.1)	-10 (-24.5 to 7.42)
10 Headache disorders	10 Depressive disorders	-2.09 (-13.1 to 8.21)	0.785 (-1.2 to 3.13)	-1.68 (-1.84 to -1.52)
11 Other cardiovascular	11 Anxiety disorders	-4.2 (-13.8 to 7.08)	-1.39 (-3.72 to 0.926)	0.0455 (-0.091 to 0.183)
12 Colorectal cancer	12 Age-related hearing loss	27 (12.9 to 40.5)	30.8 (24.6 to 37.8)	-0.464 (-0.561 to -0.352)
13 Diabetes	13 Headache disorders	-5.76 (-16.6 to 4.5)	-2.99 (-4.65 to 0.388)	-0.273 (-0.613 to -0.0782)
14 Age-related hearing loss	14 COPD	39 (19 to 62.2)	43.1 (25.2 to 62.7)	-7.87 (-18.9 to 4.41)
15 Breast cancer	15 Chronic kidney disease	140 (98.8 to 197)	147 (106 to 195)	34.5 (13.7 to 58.4)
16 Gynecological diseases	16 Pancreatic cancer	55.1 (26.5 to 83.7)	59.7 (35.2 to 86.8)	24.5 (5.35 to 46.3)
17 Self-harm	17 Lower respiratory infect	49.3 (24.3 to 73)	53.7 (33.2 to 72.9)	-15.5 (-25.3 to -4.91)
18 COPD	18 Osteoarthritis	17.6 (5.78 to 29.6)	21.1 (16.4 to 25.2)	1.81 (1.6 to 2.07)
19 Osteoarthritis	19 Breast cancer	4.93 (-11.5 to 22.8)	8.01 (-4.73 to 22.4)	-15.2 (-24.8 to -6.29)
20 Other musculoskeletal	20 Other musculoskeletal	23.6 (10.9 to 36)	27.2 (22.8 to 32.4)	26.8 (25 to 28.2)
21 Lower respiratory infect	24 Gynecological diseases			
22 Pancreatic cancer	27 Self-harm			
31 Chronic kidney disease	149 COVID-19			



### Germany, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	<b>49.1 (30 to 66)</b>	<b>48.3 (39.5 to 57.3)</b>	-0.222 (-4.08 to 4.15)
2 Low back pain	2 Low back pain	0.878 (-9.68 to 9.42)	0.343 (-1.82 to 2.52)	<b>-1.55 (-1.65 to -1.46)</b>
3 Alzheimer's disease	3 Ischemic heart disease	<b>-34.3 (-47 to -21.6)</b>	<b>-34.7 (-46.3 to -23.9)</b>	<b>-52.5 (-60.9 to -43.8)</b>
4 Stroke	4 Falls	11.8 (-3 to 27.4)	<b>11.2 (1.05 to 21.9)</b>	<b>-12.3 (-19.4 to -4.81)</b>
5 Lung cancer	5 Chronic kidney disease	<b>113 (76.2 to 154)</b>	<b>111 (76.3 to 151)</b>	<b>36.3 (14.9 to 61.1)</b>
6 Falls	6 COPD	13.7 (-1.66 to 29.7)	13.1 (-0.0178 to 25.7)	<b>-10.8 (-21.1 to -0.385)</b>
7 COVID-19	7 Lung cancer	-9.43 (-23.6 to 5.27)	-9.91 (-19.6 to 1.83)	<b>-18.6 (-26.9 to -7.5)</b>
8 COPD	8 Stroke	<b>-18.9 (-28.4 to -8.82)</b>	<b>-19.4 (-24.7 to -13)</b>	<b>-34.4 (-40.1 to -28.9)</b>
9 Diabetes	9 Diabetes	12.3 (-0.929 to 26.7)	<b>11.7 (3.82 to 19.2)</b>	0.934 (-5.2 to 6.34)
10 Headache disorders	10 Anxiety disorders	0.0947 (-9.36 to 8.55)	-0.428 (-1.79 to 0.717)	<b>0.466 (0.234 to 0.681)</b>
11 Anxiety disorders	11 Hypertensive heart disease	<b>66.1 (38.4 to 98.8)</b>	<b>65.2 (39.7 to 90.7)</b>	11.3 (-6.89 to 29.7)
12 Depressive disorders	12 Headache disorders	-2.33 (-11.5 to 5.34)	<b>-2.84 (-3.8 to -1.87)</b>	0.329 (-0.0402 to 0.553)
13 Colorectal cancer	13 Colorectal cancer	9.67 (-9.95 to 33.6)	9.09 (-6.3 to 27.5)	-12.3 (-23.9 to 1.89)
14 Chronic kidney disease	14 Atrial fibrillation	<b>59.1 (40 to 80.5)</b>	<b>58.2 (44.5 to 73.4)</b>	<b>11.5 (4.17 to 18.1)</b>
15 Age-related hearing loss	15 Depressive disorders	0.185 (-9.55 to 8.29)	-0.341 (-1.77 to 0.969)	<b>-0.545 (-0.698 to -0.378)</b>
16 Breast cancer	16 Pancreatic cancer	<b>38.6 (16.9 to 63.7)</b>	<b>37.9 (19.9 to 59.5)</b>	<b>18.8 (3.98 to 35.9)</b>
17 Gynecological diseases	17 Age-related hearing loss	<b>18.2 (5.1 to 29.8)</b>	<b>17.6 (13.4 to 21.6)</b>	-0.0994 (-0.217 to 0.0214)
18 Cirrhosis liver	18 Other musculoskeletal	<b>12.8 (2.03 to 22.7)</b>	<b>12.3 (10.1 to 14.8)</b>	<b>15.8 (15.1 to 16.5)</b>
19 Other musculoskeletal	19 Osteoarthritis	9.66 (-1.7 to 20)	<b>9.07 (6.44 to 11.8)</b>	<b>0.632 (0.457 to 0.814)</b>
20 Osteoarthritis	20 Breast cancer	0.646 (-14.3 to 17.6)	0.0955 (-10.2 to 15.1)	<b>-14.6 (-23.4 to -4.78)</b>
21 Pancreatic cancer	24 Cirrhosis liver			
22 Atrial fibrillation	25 Gynecological diseases			
24 Hypertensive heart disease	147 COVID-19			

### Greece, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	33.5 (14.1 to 55.2)	69.2 (55.1 to 83.5)	0.733 (-3.67 to 5.69)
2 COVID-19	2 Ischemic heart disease	-43.1 (-57.7 to -28.5)	-27.9 (-43 to -12.1)	-51.4 (-64.3 to -38.6)
3 Stroke	3 Stroke	-29.2 (-41.6 to -16.1)	-10.3 (-20.7 to 0.311)	-39.5 (-47 to -33)
4 Lung cancer	4 Lung cancer	-8.31 (-26.6 to 13)	16.1 (-0.961 to 36.7)	-14.5 (-26.8 to -0.269)
5 Low back pain	5 Chronic kidney disease	55.2 (23 to 92.6)	96.6 (58.3 to 137)	16.6 (-3.93 to 40.2)
6 Alzheimer's disease	6 Diabetes	26.2 (7.21 to 46.4)	59.9 (47.7 to 71.5)	31.8 (25.8 to 37)
7 Depressive disorders	7 Low back pain	-14.1 (-28.2 to -1.25)	8.73 (3.89 to 13.7)	-2.87 (-2.95 to -2.79)
8 Diabetes	8 COPD	13 (-7.73 to 32.8)	43.2 (22.2 to 64.9)	-10.4 (-24 to 3.96)
9 COPD	9 Lower respiratory infect	11.1 (-9.69 to 32.4)	40.8 (23.8 to 59.3)	-19.3 (-28.9 to -8.17)
10 Chronic kidney disease	10 Depressive disorders	-21.2 (-34.2 to -7.9)	-0.334 (-4.21 to 3.75)	-1.79 (-1.93 to -1.63)
11 Lower respiratory infect	11 Colorectal cancer	16.9 (-8.85 to 46.7)	48 (19.1 to 83.5)	-0.436 (-19.3 to 25.2)
12 Falls	12 Falls	-2.36 (-17.9 to 14.1)	23.7 (10.8 to 36)	-5.24 (-13.7 to 3.42)
13 Headache disorders	13 Pancreatic cancer	49.7 (17.8 to 85.8)	89.5 (57.3 to 133)	36.2 (14.8 to 64.2)
14 Anxiety disorders	14 Age-related hearing loss	9.95 (-7.6 to 26.9)	39.3 (30.7 to 47.2)	-0.726 (-0.79 to -0.657)
15 Colorectal cancer	15 Breast cancer	0.375 (-18.7 to 24)	27.1 (8.35 to 50.2)	-8.29 (-20.5 to 6.84)
16 Age-related hearing loss	16 Other musculoskeletal	11.3 (-8.93 to 30.3)	40.9 (31.9 to 49.9)	33.4 (32.4 to 34.3)
17 Breast cancer	17 Hypertensive heart disease	40 (9.24 to 71.6)	77.5 (42.2 to 111)	8.74 (-13.5 to 32.8)
18 Road injuries	18 Headache disorders	-27.8 (-40.5 to -15.4)	-8.63 (-12 to -3.49)	-0.198 (-0.432 to 0.0322)
19 Other musculoskeletal	19 Anxiety disorders	-22.6 (-36.1 to -8.99)	-2.04 (-5.84 to 3.04)	0.272 (0.143 to 0.381)
20 Gynecological diseases	20 Osteoarthritis	5.25 (-10.5 to 20.8)	33.3 (25.8 to 40.7)	2.29 (2.03 to 2.55)
21 Osteoarthritis	25 Road injuries			
22 Pancreatic cancer	28 Gynecological diseases			
25 Hypertensive heart disease	153 COVID-19			

### Iceland, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Low back pain	44.1 (30.4 to 58.4)	3.69 (1.06 to 6.93)	-1.55 (-1.62 to -1.48)
2 Low back pain	2 Alzheimer's disease	117 (91.2 to 143)	56.5 (41.9 to 71)	-10.2 (-14.3 to -6.15)
3 Lung cancer	3 Ischemic heart disease	-4.09 (-26.9 to 23.5)	-31 (-45.1 to -12.5)	-54.8 (-64.7 to -41.6)
4 Falls	4 Falls	55.2 (35.7 to 75.2)	11.6 (1.61 to 23.2)	-13.6 (-20.9 to -5.24)
5 Alzheimer's disease	5 Lung cancer	29.6 (6.6 to 51.1)	-6.73 (-22.1 to 8.5)	-22.6 (-34.9 to -10.3)
6 COVID-19	6 COPD	72.4 (42.1 to 110)	24 (5.46 to 48.1)	-16 (-30.2 to 2.64)
7 Headache disorders	7 Diabetes	78.2 (59.7 to 97.8)	28.2 (21.5 to 35.9)	13 (8.58 to 17)
8 Stroke	8 Headache disorders	37 (24.9 to 50.2)	-1.42 (-2.8 to 1.47)	0.334 (0.207 to 0.436)
9 COPD	9 Stroke	25.9 (9.59 to 50.9)	-9.46 (-19.7 to 2.23)	-36 (-43.3 to -28.6)
10 Anxiety disorders	10 Anxiety disorders	38.6 (25.5 to 53.8)	-0.313 (-1.74 to 1.25)	0.394 (0.312 to 0.478)
11 Diabetes	11 Drug use disorders	59 (38.6 to 84)	14.4 (3.36 to 27.8)	16.8 (4.69 to 32.1)
12 Depressive disorders	12 Depressive disorders	40.1 (27.4 to 53.5)	0.789 (-0.765 to 2.8)	-0.734 (-0.846 to -0.615)
13 Drug use disorders	13 Other musculoskeletal	64.2 (50.6 to 78.1)	18.2 (14.9 to 22)	17.7 (16.8 to 18.5)
14 Self-harm	14 Age-related hearing loss	73.8 (57.7 to 91.9)	25 (18 to 32.2)	-0.417 (-0.506 to -0.329)
15 Other musculoskeletal	15 Lower respiratory infect	87.5 (58 to 124)	34.9 (16.1 to 58.8)	-21.3 (-31.1 to -10.6)
16 Gynecological diseases	16 Atrial fibrillation	149 (117 to 180)	78.9 (60.5 to 97.8)	10.2 (3.04 to 16.6)
17 Age-related hearing loss	17 Osteoarthritis	61.2 (46.3 to 76.9)	16 (10.5 to 21.2)	1.28 (1.13 to 1.44)
18 Osteoarthritis	18 Prostate cancer	98.2 (63.8 to 133)	42.7 (21 to 71.1)	-2.8 (-14.6 to 11.6)
19 Lower respiratory infect	19 Pancreatic cancer	90.5 (51.9 to 128)	37.1 (9.38 to 65.1)	9.99 (-11.1 to 33.3)
20 Colorectal cancer	20 Colorectal cancer	53 (21.2 to 92.8)	10.2 (-11.9 to 37.4)	-17.2 (-33.4 to 1.78)
24 Prostate cancer	21 Self-harm			
25 Pancreatic cancer	22 Gynecological diseases			
28 Atrial fibrillation	149 COVID-19			

### Ireland, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Low back pain	36.8 (24.3 to 48.8)	8.38 (4.83 to 12)	-1.9 (-2.02 to -1.78)
2 Low back pain	2 Alzheimer's disease	140 (115 to 170)	90.5 (74.7 to 106)	-10.1 (-13.7 to -6.06)
3 COVID-19	3 Ischemic heart disease	-5.02 (-20.9 to 13.9)	-24.8 (-36.1 to -11.7)	-57.9 (-63.2 to -50.8)
4 Depressive disorders	4 COPD	79.6 (55.1 to 109)	42.3 (23.7 to 63.7)	-20.4 (-29.5 to -10.8)
5 Lung cancer	5 Falls	53.1 (35.3 to 70.2)	21.3 (11 to 31.2)	-9.6 (-17.4 to -1.86)
6 Anxiety disorders	6 Depressive disorders	27.4 (16.2 to 37.8)	0.943 (-0.814 to 3.08)	-1.35 (-1.51 to -1.19)
7 COPD	7 Diabetes	85.8 (66.9 to 104)	47.2 (39.8 to 55)	14.9 (10.3 to 18.7)
8 Falls	8 Lung cancer	26.2 (8.61 to 47)	-0.0158 (-11.6 to 13.1)	-27.1 (-35.2 to -19.9)
9 Headache disorders	9 Anxiety disorders	24.3 (11.6 to 35.6)	-1.53 (-4.71 to 0.943)	0.0184 (-0.169 to 0.193)
10 Alzheimer's disease	10 Lower respiratory infect	106 (76 to 136)	63.4 (44.5 to 87.1)	-23.6 (-31.2 to -15.2)
11 Stroke	11 Headache disorders	21.6 (9.71 to 34.3)	-3.66 (-5.73 to 0.614)	-0.436 (-0.703 to -0.168)
12 Diabetes	12 Other musculoskeletal	59.8 (45.1 to 74.8)	26.6 (20.6 to 32.8)	21 (19.9 to 21.9)
13 Gynecological diseases	13 Colorectal cancer	60.7 (32.2 to 89.4)	27.3 (5.8 to 44.6)	-16.7 (-29.7 to -4.61)
14 Other musculoskeletal	14 Stroke	18.7 (4.18 to 36.2)	-5.97 (-14.4 to 3.46)	-43.8 (-48 to -38.6)
15 Colorectal cancer	15 Age-related hearing loss	78.5 (60.5 to 96.1)	41.4 (33.4 to 49.8)	-0.627 (-0.736 to -0.524)
16 Lower respiratory infect	16 Osteoarthritis	63.8 (47.8 to 77.8)	29.8 (24.7 to 35)	1.84 (1.68 to 2)
17 Age-related hearing loss	17 Chronic kidney disease	204 (156 to 260)	141 (107 to 183)	17.9 (2.36 to 40.2)
18 Drug use disorders	18 Drug use disorders	46.9 (29.9 to 64.5)	16.4 (5.63 to 27.3)	16.9 (6.38 to 28.6)
19 Osteoarthritis	19 Oral disorders	57.8 (42.3 to 73.2)	25 (19 to 32.1)	0.249 (0.145 to 0.365)
20 Breast cancer	20 Gynecological diseases	6.08 (-15.9 to 37.9)	-16 (-32 to 7.64)	-16.1 (-30.8 to 5.99)
22 Oral disorders	21 Breast cancer			
32 Chronic kidney disease	150 COVID-19			

### Israel, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Low back pain	46.2 (25.1 to 68.6)	7.1 (4.42 to 9.79)	-2.65 (-2.74 to -2.54)
2 COVID-19	2 Diabetes	80.3 (52.8 to 109)	32.2 (20.1 to 44.6)	2.64 (-5.28 to 10.8)
3 Diabetes	3 Alzheimer's disease	112 (83.1 to 146)	55.3 (44.3 to 67.6)	-10.5 (-14.2 to -7.18)
4 Depressive disorders	4 Depressive disorders	41.7 (22 to 63.2)	3.76 (1.79 to 5.95)	-1.59 (-1.71 to -1.46)
5 Ischemic heart disease	5 Chronic kidney disease	176 (116 to 245)	102 (64.2 to 141)	22.1 (-3.66 to 49.6)
6 Headache disorders	6 Headache disorders	37.3 (18.2 to 58.5)	0.564 (-1.05 to 4.34)	-0.21 (-0.473 to -0.0124)
7 Alzheimer's disease	7 Ischemic heart disease	4.26 (-22.7 to 32.3)	-23.6 (-39.7 to -5.84)	-50.3 (-61.4 to -37.3)
8 Stroke	8 Other musculoskeletal	86.8 (62 to 115)	36.8 (33.2 to 41.2)	27.4 (26.2 to 28.4)
9 Lung cancer	9 Falls	52.7 (27.9 to 82.3)	11.9 (2.53 to 20.4)	-10.8 (-18.4 to -2.81)
10 Falls	10 Stroke	27.5 (4.11 to 52.1)	-6.61 (-15.5 to 3.93)	-34.5 (-41.9 to -26.8)
11 Gynecological diseases	11 Lung cancer	35.4 (9.04 to 69.2)	-0.825 (-15.5 to 19.9)	-24 (-35.8 to -7.95)
12 Anxiety disorders	12 COPD	68.7 (34.7 to 102)	23.6 (5.12 to 45)	-17.2 (-30.3 to -2.59)
13 Other musculoskeletal	13 Age-related hearing loss	78 (53.3 to 105)	30.4 (25 to 36.4)	-0.452 (-0.577 to -0.33)
14 Chronic kidney disease	14 Colorectal cancer	83.1 (35.9 to 141)	34 (6.62 to 67.8)	-5.88 (-24.3 to 17.2)
15 COPD	15 Anxiety disorders	38.3 (19.2 to 58.8)	1.29 (-0.737 to 3.51)	0.282 (0.162 to 0.403)
16 Age-related hearing loss	16 Gynecological diseases	15.3 (-20.8 to 53.5)	-15.5 (-36.2 to 10)	-17.5 (-37.2 to 6.3)
17 Colorectal cancer	17 Osteoarthritis	71 (46.9 to 96.2)	25.3 (20.9 to 29.7)	1.42 (1.19 to 1.66)
18 Breast cancer	18 Pancreatic cancer	113 (63.8 to 165)	56.2 (27.3 to 90.1)	17.6 (-3.59 to 41.7)
19 Neck pain	19 Oral disorders	60.2 (38.9 to 84)	17.4 (13.7 to 21.8)	0.0291 (-0.118 to 0.194)
20 Osteoarthritis	20 Breast cancer	49.1 (20.6 to 82.2)	9.19 (-7.25 to 28)	-15.3 (-27.5 to -2.35)
21 Oral disorders	22 Neck pain			
26 Pancreatic cancer	153 COVID-19			

### Italy, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	42.5 (24.1 to 58.2)	70.6 (55.8 to 83.7)	-8.78 (-14.8 to -3.13)
2 Alzheimer's disease	2 Ischemic heart disease	-25.9 (-40.9 to -8.22)	-11.2 (-28.6 to 7.98)	-48.7 (-59.7 to -36.3)
3 COVID-19	3 Low back pain	-10.6 (-18.1 to -2.97)	7.06 (2.89 to 11.1)	-2.67 (-2.73 to -2.61)
4 Low back pain	4 Diabetes	22.2 (9.97 to 35.2)	46.3 (35.7 to 57.6)	12.5 (6.01 to 19.3)
5 Stroke	5 Falls	9.81 (-2.41 to 23.3)	31.5 (19.8 to 45.1)	-9.27 (-16.1 to -1.36)
6 Falls	6 Stroke	-19.1 (-28.7 to -8.19)	-3.05 (-12.6 to 8.62)	-39.8 (-46.5 to -32.3)
7 Lung cancer	7 Lung cancer	-2.23 (-17.6 to 16.3)	17.1 (2.02 to 37.7)	-18.2 (-28.4 to -5.33)
8 Diabetes	8 COPD	38.4 (18.4 to 61.1)	65.8 (41.3 to 86.7)	-6.87 (-21.5 to 5.09)
9 COPD	9 Hypertensive heart disease	65.4 (31.7 to 94)	98.3 (58.6 to 136)	9.53 (-13.6 to 33.4)
10 Depressive disorders	10 Age-related hearing loss	19.9 (8.69 to 31.4)	43.5 (36.8 to 51.1)	-0.275 (-0.365 to -0.185)
11 Headache disorders	11 Colorectal cancer	14.4 (-9.31 to 44.9)	37 (11 to 70.5)	-10.8 (-26.8 to 7.84)
12 Age-related hearing loss	12 Chronic kidney disease	95.2 (62.4 to 136)	134 (93.9 to 177)	20.1 (-1.97 to 42.6)
13 Colorectal cancer	13 Pancreatic cancer	49.4 (25 to 80.8)	78.9 (48.3 to 114)	24.3 (2.25 to 46.6)
14 Anxiety disorders	14 Depressive disorders	-16.1 (-23.2 to -8.19)	0.478 (-2.76 to 3.74)	-1.64 (-1.74 to -1.52)
15 Hypertensive heart disease	15 Osteoarthritis	8.65 (-0.171 to 18.1)	30.1 (25.4 to 34.4)	1.28 (1.06 to 1.54)
16 Other musculoskeletal	16 Headache disorders	-23.7 (-30.3 to -17)	-8.68 (-10.9 to -3.9)	-0.191 (-0.576 to -0.00466)
17 Osteoarthritis	17 Other musculoskeletal	3.97 (-6.95 to 14.5)	24.5 (17.7 to 32)	27.6 (26.5 to 28.5)
18 Breast cancer	18 Atrial fibrillation	61.2 (43.1 to 80.8)	93.1 (76.7 to 111)	7.96 (1.46 to 14.4)
19 Pancreatic cancer	19 Anxiety disorders	-19 (-25.9 to -11.1)	-3.01 (-5.85 to 0.00728)	0.173 (0.0507 to 0.285)
20 Neck pain	20 Breast cancer	-6.02 (-20.2 to 9.21)	12.5 (-0.804 to 30.8)	-17.1 (-26.6 to -6.15)
24 Chronic kidney disease	25 Neck pain			
26 Atrial fibrillation	152 COVID-19			

### Luxembourg, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Low back pain	56.8 (45.9 to 68.4)	4.43 (2 to 7.25)	-1.17 (-1.29 to -1.04)
2 Ischemic heart disease	2 Falls	68.6 (49.6 to 87.9)	12.3 (2.46 to 23.7)	-9.77 (-16 to -2.56)
3 Falls	3 Lung cancer	58.7 (29.4 to 81.4)	5.72 (-14.3 to 19.9)	-14.2 (-29 to -4.08)
4 Lung cancer	4 Ischemic heart disease	8.13 (-11.1 to 35.8)	-28 (-40 to -7.51)	-50.1 (-57.9 to -35.1)
5 COVID-19	5 Alzheimer's disease	141 (113 to 170)	60.4 (47.2 to 77)	0.455 (-3.5 to 4.75)
6 Stroke	6 Diabetes	103 (85.6 to 121)	34.9 (27 to 42)	16.8 (11.9 to 22.2)
7 Headache disorders	7 COPD	100 (71.4 to 139)	33.4 (16.2 to 57)	-7.58 (-17.8 to 8.56)
8 COPD	8 Headache disorders	45.9 (35.3 to 56.4)	-2.81 (-4.23 to -0.489)	0.266 (0.138 to 0.413)
9 Diabetes	9 Stroke	29.4 (13.8 to 48.2)	-13.8 (-22.6 to -1.92)	-38 (-43 to -29.5)
10 Anxiety disorders	10 Chronic kidney disease	209 (158 to 285)	106 (74.8 to 150)	30.5 (11.6 to 62.8)
11 Depressive disorders	11 Depressive disorders	51 (40.7 to 60.9)	0.588 (-1.17 to 2.26)	-0.567 (-0.684 to -0.447)
12 Alzheimer's disease	12 Anxiety disorders	50 (39.3 to 60.1)	-0.12 (-1.58 to 1.86)	0.476 (0.378 to 0.602)
13 Gynecological diseases	13 Colorectal cancer	83 (41.5 to 117)	21.9 (-5.16 to 43.2)	-9.71 (-29 to 6.78)
14 Colorectal cancer	14 Other musculoskeletal	71 (59.1 to 82.5)	13.9 (11 to 17.6)	15.8 (15 to 16.5)
15 Other musculoskeletal	15 Age-related hearing loss	86.6 (72.2 to 102)	24.3 (18.5 to 31)	-0.557 (-0.738 to -0.377)
16 Age-related hearing loss	16 Gynecological diseases	37.1 (8.56 to 73.5)	-8.65 (-27 to 16)	-6.34 (-24.7 to 16.8)
17 Osteoarthritis	17 Osteoarthritis	77.9 (64.9 to 91.9)	18.5 (13.5 to 23.2)	1.48 (1.32 to 1.65)
18 Alcohol use disorders	18 Pancreatic cancer	135 (92.3 to 170)	56.4 (29.3 to 78.8)	22.8 (0.534 to 41.5)
19 Breast cancer	19 Breast cancer	64.9 (39.1 to 87.5)	9.84 (-5.86 to 21.5)	-9.67 (-22 to -0.017)
20 Neck pain	20 Oral disorders	70 (57.3 to 82.1)	13.2 (8.84 to 18.5)	0.324 (0.211 to 0.439)
21 Oral disorders	22 Alcohol use disorders			
23 Chronic kidney disease	24 Neck pain			
26 Pancreatic cancer	146 COVID-19			

### Malta, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	93.4 (63.8 to 123)	56.8 (39.2 to 78.3)	-5.01 (-9.16 to -0.585)
2 COVID-19	2 Diabetes	43.8 (25.6 to 63.8)	16.5 (6.76 to 27.9)	14.2 (5.91 to 21.6)
3 Low back pain	3 Ischemic heart disease	-28.7 (-47 to -3.03)	-42.2 (-55.8 to -23.4)	-57.4 (-68.1 to -42.4)
4 Diabetes	4 Low back pain	19.1 (5.06 to 31.8)	-3.52 (-6.48 to -0.663)	-3.18 (-3.27 to -3.09)
5 Alzheimer's disease	5 Falls	44.2 (25.3 to 64.1)	16.8 (7.61 to 27.1)	-0.899 (-7.02 to 6.27)
6 Falls	6 Lung cancer	18.8 (-8.75 to 45.3)	-3.75 (-22.6 to 16.8)	-8.16 (-25.7 to 9.9)
7 Stroke	7 Chronic kidney disease	109 (57.5 to 175)	69.2 (32.6 to 114)	10.8 (-11.8 to 45.2)
8 Lung cancer	8 Stroke	-10.1 (-24.7 to 7.1)	-27.2 (-37.2 to -15.1)	-40.9 (-48.9 to -29.7)
9 Headache disorders	9 Anxiety disorders	23.9 (10.5 to 36.8)	0.435 (-0.947 to 1.65)	0.735 (0.655 to 0.79)
10 Anxiety disorders	10 Headache disorders	22.1 (8.98 to 34.7)	-1.08 (-3.12 to 0.442)	0.393 (0.223 to 0.476)
11 Depressive disorders	11 Lower respiratory infect	53.8 (26.6 to 83.3)	24.6 (5.95 to 46.7)	-25.3 (-34.6 to -12.1)
12 Colorectal cancer	12 Colorectal cancer	36 (-0.913 to 72.7)	10.2 (-17.5 to 37.8)	-4.26 (-25.9 to 17.1)
13 COPD	13 Other musculoskeletal	65.8 (47 to 82.4)	34.4 (30.5 to 38.1)	40 (38.6 to 41.2)
14 Age-related hearing loss	14 COPD	43.2 (15.7 to 77.6)	16 (-4.49 to 38.7)	-10.9 (-24.8 to 6.94)
15 Lower respiratory infect	15 Age-related hearing loss	41.2 (23.6 to 59.4)	14.4 (7.89 to 22.9)	-0.766 (-0.915 to -0.576)
16 Gynecological diseases	16 Depressive disorders	22.4 (9.07 to 35.8)	-0.794 (-2.62 to 0.76)	-1.59 (-1.71 to -1.46)
17 Breast cancer	17 Pancreatic cancer	71.7 (29.6 to 116)	39.1 (7.36 to 69.7)	29.3 (1.39 to 58.8)
18 Osteoarthritis	18 Osteoarthritis	30.3 (14.8 to 44.5)	5.6 (0.672 to 11.1)	2.49 (2.21 to 2.8)
19 Other musculoskeletal	19 Breast cancer	19.8 (-4.11 to 46)	-2.93 (-19.5 to 13.8)	-10.4 (-25.2 to 5.78)
20 Chronic kidney disease	20 Gynecological diseases	5.84 (-28.4 to 46.6)	-14.2 (-38.6 to 16.3)	-11.8 (-35.9 to 17.4)
21 Pancreatic cancer	150 COVID-19			



### Monaco, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lung cancer	1 Lung cancer	-21.8 (-36.5 to -6.46)	2.2 (-15 to 20.3)	-11.7 (-27.5 to 5.4)
2 Ischemic heart disease	2 Alzheimer's disease	35.6 (15.2 to 60.1)	77.1 (56.9 to 98.1)	2.6 (-2.01 to 7.93)
3 Stroke	3 Stroke	-36.2 (-47.6 to -22.9)	-16.7 (-29.6 to -0.405)	-39.5 (-47.7 to -30.3)
4 Low back pain	4 Ischemic heart disease	-44.3 (-57.3 to -26.9)	-27.3 (-43.6 to -4.86)	-50.9 (-61.6 to -35.3)
5 Alzheimer's disease	5 Colorectal cancer	-5.43 (-27.3 to 18.3)	23.5 (-2.5 to 49)	-7.07 (-27.4 to 12.3)
6 COVID-19	6 Low back pain	-22.5 (-30.1 to -14.2)	1.26 (-3.56 to 5.76)	-1.58 (-1.7 to -1.45)
7 Colorectal cancer	7 Lower respiratory infect	18.9 (-5.38 to 47.8)	55.2 (30 to 81.9)	-9.14 (-21.6 to 4.1)
8 Breast cancer	8 Breast cancer	-17.1 (-31.4 to -0.441)	8.33 (-8.16 to 25.4)	-8.57 (-21.3 to 4.61)
9 Depressive disorders	9 COPD	11.2 (-12 to 35.5)	45.3 (17.7 to 74.1)	-0.475 (-15.4 to 18.7)
10 Falls	10 Pancreatic cancer	19.6 (-2.56 to 44.4)	56.2 (26.2 to 84)	27.7 (3.32 to 51)
11 COPD	11 Falls	-8.94 (-22.3 to 4.17)	18.9 (6.44 to 31)	-9.01 (-17.1 to -1.26)
12 Lower respiratory infect	12 Diabetes	-1.44 (-13.4 to 11.2)	28.8 (19.3 to 38.9)	17 (11.7 to 20.9)
13 Diabetes	13 Chronic kidney disease	70.2 (26.2 to 121)	122 (76.9 to 181)	31.6 (7.34 to 68.2)
14 Headache disorders	14 Depressive disorders	-24.2 (-31.6 to -15.9)	-0.992 (-4.68 to 2.72)	-1.38 (-1.58 to -1.21)
15 Pancreatic cancer	15 Prostate cancer	14.1 (-6.66 to 40.3)	49 (24.9 to 73.2)	3.18 (-10.1 to 17.1)
16 Anxiety disorders	16 Age-related hearing loss	-3.44 (-14.3 to 8.79)	26.1 (17.2 to 35.3)	-0.506 (-0.615 to -0.394)
17 Age-related hearing loss	17 Osteoarthritis	-14.5 (-23.4 to -5.05)	11.7 (5.17 to 17.7)	1.42 (1.27 to 1.58)
18 Osteoarthritis	18 Headache disorders	-27.3 (-33.9 to -20.3)	-5.01 (-7.3 to -2.76)	-0.769 (-1.09 to -0.406)
19 Other musculoskeletal	19 Other musculoskeletal	-14.3 (-23.1 to -5.08)	12 (6.66 to 18.3)	16.5 (15.8 to 17.1)
20 Self-harm	20 Anxiety disorders	-24.6 (-32.4 to -16.5)	-1.52 (-4.23 to 0.992)	-0.464 (-0.705 to -0.24)
21 Prostate cancer	27 Self-harm			
26 Chronic kidney disease	150 COVID-19			

### Netherlands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lung cancer	1 Alzheimer's disease	67 (47.9 to 88.5)	57.3 (46.8 to 68.9)	-3.79 (-8.07 to 0.577)
2 Ischemic heart disease	2 Falls	35.5 (19.4 to 54.1)	27.6 (17.2 to 38.9)	-11.5 (-17.5 to -4.35)
3 Low back pain	3 COPD	30.5 (12.5 to 50.2)	23 (7.11 to 41.9)	-12.1 (-22.8 to 1.3)
4 COPD	4 Low back pain	7.11 (-2.45 to 16.8)	0.89 (-1.77 to 4.02)	-1.97 (-2.03 to -1.9)
5 Falls	5 Lung cancer	-4.8 (-18.1 to 9.48)	-10.3 (-20.4 to 0.59)	-21.3 (-29.8 to -11.9)
6 Stroke	6 Diabetes	35.6 (21.5 to 48.1)	27.8 (19.5 to 36.7)	14.2 (7.68 to 20.3)
7 Alzheimer's disease	7 Stroke	-8.32 (-19 to 3.45)	-13.6 (-20.8 to -5.22)	-37.2 (-43 to -31.1)
8 Colorectal cancer	8 Colorectal cancer	17.4 (-4.18 to 39.8)	10.6 (-6.88 to 28.3)	-11.5 (-26.3 to 1.4)
9 Diabetes	9 Ischemic heart disease	-25.9 (-40.5 to -12.2)	-30.2 (-41.2 to -17.7)	-52.4 (-60.2 to -43.4)
10 Anxiety disorders	10 Anxiety disorders	5.33 (-2.71 to 14.7)	-0.78 (-1.98 to 0.539)	0.205 (0.133 to 0.274)
11 Depressive disorders	11 Chronic kidney disease	153 (109 to 204)	139 (101 to 181)	40.8 (17.8 to 68.2)
12 Headache disorders	12 Depressive disorders	5.43 (-3.6 to 14.4)	-0.683 (-2.16 to 0.883)	-1.16 (-1.27 to -1.07)
13 COVID-19	13 Headache disorders	3.44 (-4.85 to 11.4)	-2.55 (-3.51 to -1.02)	-0.124 (-0.276 to 0.0406)
14 Other musculoskeletal	14 Lower respiratory infect	47 (26.1 to 67.9)	38.5 (20.9 to 56.9)	-16.7 (-25.4 to -6.69)
15 Breast cancer	15 Other musculoskeletal	24.6 (14.2 to 34.9)	17.3 (14.2 to 21.3)	20.4 (19.4 to 21.3)
16 Gynecological diseases	16 Age-related hearing loss	28.2 (16 to 40.9)	20.7 (15.3 to 26)	-0.401 (-0.509 to -0.272)
17 Age-related hearing loss	17 Breast cancer	11.4 (-4.77 to 28)	4.92 (-7 to 17.5)	-11.2 (-21.6 to -0.153)
18 Osteoarthritis	18 Atrial fibrillation	92.9 (70.3 to 118)	81.7 (66.4 to 98.2)	17.6 (9.75 to 25.5)
19 Oral disorders	19 Osteoarthritis	17.4 (7.34 to 27.5)	10.6 (7.76 to 13.4)	1.41 (1.25 to 1.58)
20 Lower respiratory infect	20 Oral disorders	15.8 (6.24 to 25.6)	9.06 (5.56 to 12.2)	0.258 (0.166 to 0.361)
25 Chronic kidney disease	24 Gynecological diseases			
27 Atrial fibrillation	150 COVID-19			

### Norway, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	77.8 (56.9 to 96.5)	53.8 (42.6 to 64.4)	-7.33 (-11.2 to -3.05)
2 Low back pain	2 Low back pain	23.1 (13.2 to 33.8)	6.56 (4.34 to 8.74)	-1.22 (-1.26 to -1.17)
3 COVID-19	3 Falls	47.1 (31.4 to 64.4)	27.4 (19.7 to 36.9)	-12.1 (-17.7 to -5.35)
4 Falls	4 COPD	42.7 (24.5 to 60)	23.5 (11.2 to 36.6)	-16.5 (-24.4 to -7.34)
5 COPD	5 Ischemic heart disease	-24 (-35 to -11)	-34.2 (-41.8 to -25.2)	-56.8 (-61.8 to -50.3)
6 Alzheimer's disease	6 Lung cancer	10.5 (-3.78 to 24.4)	-4.36 (-13.5 to 6.22)	-25.8 (-32.5 to -17.6)
7 Stroke	7 Diabetes	44.2 (31.5 to 59.1)	24.8 (19 to 30.8)	5.72 (1.34 to 9.81)
8 Lung cancer	8 Stroke	4.81 (-6.01 to 16.8)	-9.29 (-16 to -2.9)	-36.8 (-41.5 to -32.6)
9 Anxiety disorders	9 Anxiety disorders	14.5 (5.29 to 23.8)	-0.919 (-2.4 to 0.649)	0.285 (0.247 to 0.317)
10 Depressive disorders	10 Colorectal cancer	37.5 (17.3 to 59.5)	19 (2.94 to 34.7)	-15.3 (-26.5 to -5.44)
11 Headache disorders	11 Depressive disorders	15.4 (6.29 to 24.9)	-0.139 (-1.5 to 1.42)	-0.529 (-0.559 to -0.494)
12 Diabetes	12 Headache disorders	12.9 (3.55 to 21.9)	-2.31 (-4.02 to 1.87)	0.223 (0.148 to 0.278)
13 Colorectal cancer	13 Lower respiratory infect	75.1 (50.7 to 104)	51.5 (31.9 to 72.7)	-11.4 (-21.6 to -0.791)
14 Age-related hearing loss	14 Age-related hearing loss	47.6 (34.6 to 61.4)	27.7 (22.8 to 33.2)	-0.209 (-0.299 to -0.113)
15 Self-harm	15 Prostate cancer	84 (57.3 to 111)	59.3 (38.1 to 76.1)	3.11 (-6.52 to 12.6)
16 Gynecological diseases	16 Osteoarthritis	39.5 (28.1 to 51.9)	20.7 (17.7 to 24.2)	0.726 (0.618 to 0.851)
17 Drug use disorders	17 Drug use disorders	30.2 (15.9 to 48.5)	12.7 (4.67 to 25)	17.4 (8.22 to 31.8)
18 Oral disorders	18 Oral disorders	31.8 (21.6 to 43.8)	14.1 (10.6 to 17.7)	0.182 (0.103 to 0.265)
19 Osteoarthritis	19 Pancreatic cancer	66.5 (44.9 to 87.2)	44.2 (26.7 to 61.2)	9.84 (-2.76 to 23.1)
20 Lower respiratory infect	20 Atrial fibrillation	98 (74.7 to 122)	71.4 (57 to 86.8)	7.73 (0.424 to 15.6)
22 Prostate cancer	24 Gynecological diseases			
23 Pancreatic cancer	27 Self-harm			
26 Atrial fibrillation	146 COVID-19			

### Portugal, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Alzheimer's disease	53.8 (33.5 to 76.2)	56.7 (45.1 to 67.9)	-10.4 (-14.3 to -6.71)
2 Low back pain	2 Diabetes	29.6 (13.6 to 48.3)	32 (23 to 41)	13.5 (7.25 to 19.7)
3 Ischemic heart disease	3 Low back pain	0.134 (-10.7 to 11.2)	2.03 (-0.912 to 5.09)	-3.57 (-3.69 to -3.46)
4 COVID-19	4 Stroke	-29.4 (-41.3 to -15.3)	-28 (-36.4 to -19.3)	-50.3 (-56.5 to -43.4)
5 Diabetes	5 COPD	37.5 (14.8 to 65.5)	40.1 (19.1 to 61.9)	-14.1 (-27.5 to 0.36)
6 Alzheimer's disease	6 Lower respiratory infect	33.6 (14.2 to 56.2)	36.1 (19.7 to 55.1)	-24.7 (-33.6 to -13.8)
7 Depressive disorders	7 Colorectal cancer	23.5 (-3.28 to 58.2)	25.9 (1.52 to 55.3)	-6.88 (-24.2 to 14.8)
8 Lung cancer	8 Lung cancer	5.41 (-13.8 to 32)	7.38 (-10.1 to 28.6)	-10.2 (-23.7 to 6.5)
9 Anxiety disorders	9 Depressive disorders	-2.45 (-13 to 8.39)	-0.599 (-3.37 to 2.53)	-2.56 (-2.76 to -2.34)
10 COPD	10 Ischemic heart disease	-38.5 (-52 to -23)	-37.4 (-49.6 to -23.3)	-56.9 (-65.7 to -46.2)
11 Lower respiratory infect	11 Anxiety disorders	-3.63 (-14.2 to 6.75)	-1.8 (-4.17 to 0.649)	0.167 (-0.0227 to 0.357)
12 Colorectal cancer	12 Chronic kidney disease	64.6 (30.1 to 101)	67.8 (37.5 to 99.4)	-7.66 (-25.5 to 14.1)
13 Falls	13 Falls	9.28 (-5.79 to 24.6)	11.4 (1.44 to 22.7)	-13.3 (-21.4 to -4.83)
14 Headache disorders	14 Age-related hearing loss	28 (12.4 to 42.4)	30.5 (24.8 to 36)	-0.843 (-0.925 to -0.753)
15 Age-related hearing loss	15 Other musculoskeletal	34.8 (18.9 to 51.7)	37.4 (31.8 to 43.5)	41.2 (39.8 to 42.3)
16 Chronic kidney disease	16 Headache disorders	-8.46 (-18.4 to 1.47)	-6.72 (-8.51 to -4.29)	-0.509 (-0.859 to -0.163)
17 Other musculoskeletal	17 Osteoarthritis	18.9 (5.38 to 32.2)	21.1 (17.5 to 24.7)	2.67 (2.35 to 3.01)
18 Osteoarthritis	18 Pancreatic cancer	54.2 (24 to 94)	57.1 (30 to 90.9)	25.4 (4.22 to 52.5)
19 Stomach cancer	19 Urinary diseases	97 (64.3 to 136)	101 (69 to 131)	13 (-2.26 to 26.5)
20 Gynecological diseases	20 Prostate cancer	44.2 (19.8 to 72.4)	46.9 (28.7 to 69.1)	1.49 (-9.59 to 13.5)
29 Prostate cancer	28 Stomach cancer			
30 Pancreatic cancer	31 Gynecological diseases			
32 Urinary diseases	153 COVID-19			

### San Marino, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Alzheimer's disease	135 (82.2 to 189)	161 (124 to 203)	3.68 (-1.37 to 8.84)
2 Low back pain	2 Low back pain	0.0779 (-13.5 to 15.4)	11.4 (6.37 to 17.4)	-2 (-2.2 to -1.76)
3 Alzheimer's disease	3 Stroke	13 (-16.1 to 41.1)	25.7 (-0.0336 to 52.2)	-34.8 (-45.3 to -20.3)
4 Stroke	4 Diabetes	52.9 (26.4 to 80.8)	70.3 (56.1 to 85.3)	27 (20.2 to 32.8)
5 Ischemic heart disease	5 Falls	34.8 (12.3 to 64.3)	50 (33.6 to 66)	-9.05 (-17.1 to -0.418)
6 Depressive disorders	6 Ischemic heart disease	-1.95 (-34.1 to 36.5)	9.14 (-19.6 to 48.4)	-49.3 (-61.2 to -29.5)
7 Lung cancer	7 Other cardiovascular	43.4 (14 to 71)	59.6 (39.1 to 83.4)	-10.7 (-19.7 to -0.426)
8 Falls	8 Lung cancer	8.92 (-18.1 to 47)	21.1 (-7.38 to 54)	-16.7 (-34.2 to 0.0955)
9 Diabetes	9 Age-related hearing loss	48.7 (22.9 to 75.1)	65.5 (52 to 81)	-0.588 (-0.775 to -0.42)
10 Headache disorders	10 COPD	83.4 (33.8 to 132)	104 (61.8 to 152)	-0.987 (-19.9 to 27.4)
11 Other cardiovascular	11 Colorectal cancer	52.1 (7.22 to 111)	69 (25.4 to 124)	-6.44 (-29.9 to 19.8)
12 Anxiety disorders	12 Depressive disorders	-11.4 (-24.6 to 1.99)	-1.32 (-6.18 to 4.91)	-2 (-2.33 to -1.71)
13 Age-related hearing loss	13 Osteoarthritis	26.3 (5.73 to 47.4)	40.7 (33.5 to 47.8)	1.74 (1.52 to 1.99)
14 Colorectal cancer	14 Lower respiratory infect	108 (51.9 to 166)	131 (79.9 to 187)	-12.6 (-25.8 to 4.65)
15 Gynecological diseases	15 Atrial fibrillation	130 (83 to 183)	156 (123 to 192)	12.5 (6.08 to 19.9)
16 Osteoarthritis	16 Anxiety disorders	-14.8 (-27.2 to -1.66)	-5.13 (-10 to 0.155)	-0.6 (-1.01 to -0.125)
17 Other musculoskeletal	17 Headache disorders	-21.6 (-32.6 to -9.11)	-12.7 (-16.1 to -6.68)	-1.49 (-2.13 to -0.826)
18 COPD	18 Hypertensive heart disease	151 (68.7 to 237)	179 (108 to 271)	20.4 (-7.74 to 60.7)
19 Oral disorders	19 Other musculoskeletal	3.28 (-12.3 to 22.3)	15 (6.31 to 24.2)	19.8 (19 to 20.6)
20 Stomach cancer	20 Oral disorders	18.8 (0.0678 to 38.9)	32.3 (22.6 to 42)	0.238 (0.0815 to 0.407)
25 Lower respiratory infect	24 Stomach cancer			
31 Atrial fibrillation	28 Gynecological diseases			
34 Hypertensive heart disease	150 COVID-19			

### Spain, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	72.2 (53.5 to 92)	52.5 (40.2 to 63.7)	-6.93 (-11.1 to -2.79)
2 COVID-19	2 Diabetes	64.6 (45.8 to 79)	45.8 (37.5 to 53.7)	24.6 (20.2 to 28.5)
3 Diabetes	3 COPD	56.5 (30.2 to 81)	38.6 (19 to 57.6)	-13.7 (-25.6 to -0.525)
4 Alzheimer's disease	4 Low back pain	16.8 (5.2 to 26.8)	3.44 (-0.335 to 7.41)	-3 (-3.09 to -2.93)
5 Low back pain	5 Depressive disorders	11.7 (1.79 to 21.7)	-1.11 (-2.89 to 0.87)	-1.81 (-1.89 to -1.7)
6 Stroke	6 Ischemic heart disease	-18.9 (-34.5 to 0.26)	-28.2 (-41.8 to -13.8)	-52.2 (-62.3 to -40.8)
7 Lung cancer	7 Stroke	5.11 (-8.6 to 20.1)	-6.92 (-16.4 to 4.24)	-34.7 (-41.8 to -26.7)
8 Depressive disorders	8 Lung cancer	-5.78 (-20.9 to 11.5)	-16.5 (-29.6 to -1.71)	-31.2 (-40.8 to -20.4)
9 COPD	9 Falls	18.3 (4.89 to 33.4)	4.73 (-4.38 to 13.9)	-15.1 (-22.7 to -7.79)
10 Falls	10 Colorectal cancer	35.4 (9.1 to 67)	20 (-1.45 to 46)	-13.8 (-29.1 to 3.57)
11 Headache disorders	11 Chronic kidney disease	146 (93.8 to 201)	118 (80.3 to 164)	25.5 (1.23 to 56.2)
12 Colorectal cancer	12 Age-related hearing loss	47.8 (31.8 to 62.8)	30.8 (23.2 to 37)	-0.619 (-0.735 to -0.478)
13 Age-related hearing loss	13 Headache disorders	6.22 (-2.96 to 15.6)	-5.93 (-7.79 to -3.42)	-0.12 (-0.378 to 0.0713)
14 Anxiety disorders	14 Other musculoskeletal	46.2 (33.2 to 60.6)	29.5 (23.7 to 36)	31.7 (30.2 to 32.8)
15 Gynecological diseases	15 Osteoarthritis	36.3 (23.8 to 48.3)	20.7 (15.6 to 25.6)	2.11 (1.89 to 2.37)
16 Other musculoskeletal	16 Anxiety disorders	10.9 (0.508 to 20.4)	-1.76 (-4.82 to 1.35)	0.227 (0.109 to 0.333)
17 Osteoarthritis	17 Atrial fibrillation	97.7 (77.4 to 120)	75.1 (62 to 91)	10.7 (4.44 to 17.2)
18 Blindness and vision loss	18 Blindness and vision loss	36.8 (22.6 to 49.2)	21.1 (14.1 to 26.9)	-3.83 (-4.07 to -3.57)
19 Lower respiratory infect	19 Lower respiratory infect	49.8 (28.8 to 74.4)	32.7 (17.6 to 48.1)	-21.3 (-29.5 to -11.7)
20 Chronic kidney disease	20 Pancreatic cancer	70 (37.7 to 108)	50.6 (22.2 to 81.4)	17.5 (-3.19 to 43.1)
22 Pancreatic cancer	23 Gynecological diseases			
26 Atrial fibrillation	153 COVID-19			

### Sweden, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	61.7 (40.7 to 81.2)	25.8 (15.2 to 38.4)	-4.46 (-8.43 to 0.131)
2 Alzheimer's disease	2 Ischemic heart disease	-25.3 (-38.2 to -10.5)	-41.9 (-51.3 to -31.1)	-53.2 (-60.3 to -44.1)
3 Low back pain	3 Low back pain	27.4 (16.4 to 37.8)	-0.883 (-3.22 to 1.49)	-1.83 (-1.93 to -1.74)
4 Stroke	4 Falls	35.7 (19.8 to 51.8)	5.56 (-2.61 to 14.1)	-11.2 (-17.5 to -3.17)
5 Falls	5 Diabetes	47.3 (33.5 to 62.9)	14.6 (6.02 to 22.2)	11.7 (5.17 to 17.2)
6 COVID-19	6 Depressive disorders	29.7 (19.2 to 39.5)	0.884 (-0.147 to 1.87)	-0.823 (-0.913 to -0.732)
7 Depressive disorders	7 COPD	35.4 (14.2 to 58.6)	5.36 (-8.26 to 22.8)	-9.23 (-20.6 to 6.04)
8 Diabetes	8 Stroke	-5.64 (-16.8 to 6.61)	-26.6 (-33.5 to -18.2)	-35.5 (-41.5 to -29)
9 COPD	9 Atrial fibrillation	80.2 (56.9 to 106)	40.2 (25.6 to 55.2)	9.92 (3.32 to 17)
10 Headache disorders	10 Headache disorders	30.3 (20.5 to 39.3)	1.36 (0.329 to 2.5)	0.312 (0.175 to 0.4)
11 Lung cancer	11 Lung cancer	20.1 (2.86 to 40.2)	-6.53 (-18.3 to 5.27)	-12.2 (-22.5 to -1.48)
12 Anxiety disorders	12 Anxiety disorders	29.2 (18.8 to 38.5)	0.532 (-0.195 to 1.26)	0.513 (0.453 to 0.575)
13 Colorectal cancer	13 Other musculoskeletal	54.7 (42.6 to 67.6)	20.4 (17.4 to 23.2)	20.7 (19.8 to 21.4)
14 Atrial fibrillation	14 Colorectal cancer	31.9 (6.66 to 58.2)	2.6 (-15.1 to 22.1)	-10.9 (-25.1 to 4.96)
15 Other musculoskeletal	15 Chronic kidney disease	131 (88.4 to 176)	79.4 (49.9 to 111)	30.8 (10.5 to 56.9)
16 Self-harm	16 Prostate cancer	57.7 (33.2 to 88.6)	22.7 (6.72 to 41.2)	3.08 (-7.63 to 14.3)
17 Age-related hearing loss	17 Pancreatic cancer	67.2 (37.1 to 99)	30 (9.16 to 51.6)	20.2 (2.41 to 40.1)
18 Prostate cancer	18 Drug use disorders	58.5 (40.3 to 80.5)	23.3 (11.8 to 37.1)	19.3 (6.95 to 34.1)
19 Osteoarthritis	19 Age-related hearing loss	35.6 (23.5 to 46.8)	5.5 (1.48 to 9.43)	-0.646 (-0.702 to -0.588)
20 Drug use disorders	20 Osteoarthritis	33.3 (21.5 to 45.6)	3.7 (0.0887 to 7.06)	1.5 (1.28 to 1.73)
23 Pancreatic cancer	21 Self-harm			
29 Chronic kidney disease	148 COVID-19			

### Switzerland, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Alzheimer's disease	93.2 (69.6 to 119)	71.4 (60.2 to 83.8)	-6.28 (-10.6 to -2.23)
2 Ischemic heart disease	2 Falls	43.9 (25.2 to 60.1)	27.6 (18.5 to 37)	-8.84 (-14.5 to -2.53)
3 Falls	3 Low back pain	19.7 (8.27 to 30.4)	6.21 (3.38 to 9.4)	-0.974 (-1.03 to -0.924)
4 Alzheimer's disease	4 Diabetes	54.9 (37.5 to 69.6)	37.5 (31.1 to 43.9)	13.9 (10.4 to 16.8)
5 Diabetes	5 Ischemic heart disease	-9.07 (-21.9 to 5.14)	-19.3 (-29.7 to -6.8)	-53.6 (-59.4 to -45.9)
6 Anxiety disorders	6 COPD	61.7 (40.5 to 84.9)	43.4 (29.4 to 62.7)	-9.01 (-17 to 1.29)
7 Lung cancer	7 Chronic kidney disease	184 (134 to 234)	152 (116 to 193)	29.3 (13 to 47.4)
8 Depressive disorders	8 Anxiety disorders	11.2 (1.8 to 20.6)	-1.39 (-3.59 to 0.965)	0.112 (0.0534 to 0.173)
9 Stroke	9 Lung cancer	14 (-3.29 to 29.4)	1.06 (-10.2 to 12.1)	-22.5 (-30.2 to -15.7)
10 Headache disorders	10 Depressive disorders	12.5 (3.15 to 21.7)	-0.21 (-2.01 to 1.84)	-0.507 (-0.572 to -0.447)
11 COPD	11 Stroke	10.4 (-2.09 to 23.7)	-2.06 (-10.3 to 6.34)	-35.7 (-40.7 to -30.2)
12 Gynecological diseases	12 Age-related hearing loss	52 (37.1 to 69)	34.8 (28 to 41.9)	-0.0795 (-0.214 to 0.0603)
13 COVID-19	13 Headache disorders	6.5 (-3.09 to 17.1)	-5.53 (-7.27 to -2.86)	0.00939 (-0.149 to 0.0744)
14 Age-related hearing loss	14 Hypertensive heart disease	131 (91.1 to 176)	104 (75.7 to 137)	11.9 (-2.38 to 29.5)
15 Other musculoskeletal	15 Osteoarthritis	38.6 (25.6 to 51.7)	22.9 (19.4 to 26.3)	0.36 (0.243 to 0.492)
16 Osteoarthritis	16 Prostate cancer	87.4 (61.3 to 118)	66.2 (46.7 to 87)	-0.504 (-9.29 to 8.43)
17 Colorectal cancer	17 Colorectal cancer	37.4 (13.7 to 61.4)	21.8 (1.96 to 38)	-18.3 (-30.4 to -7.62)
18 Self-harm	18 Other musculoskeletal	20.2 (8.07 to 32.6)	6.62 (3.02 to 11.2)	8.86 (8.15 to 9.38)
19 Oral disorders	19 Pancreatic cancer	71.5 (41.8 to 96.8)	52.1 (32 to 70.5)	10.3 (-3.4 to 24.7)
20 Neck pain	20 Gynecological diseases	-3.89 (-18.8 to 14.6)	-14.7 (-28.6 to 0.0616)	-11.6 (-25.1 to 3.38)
22 Chronic kidney disease	21 Oral disorders			
24 Prostate cancer	24 Neck pain			
25 Pancreatic cancer	32 Self-harm			
27 Hypertensive heart disease	150 COVID-19			



### UK, Reference scenario

**Legend:**

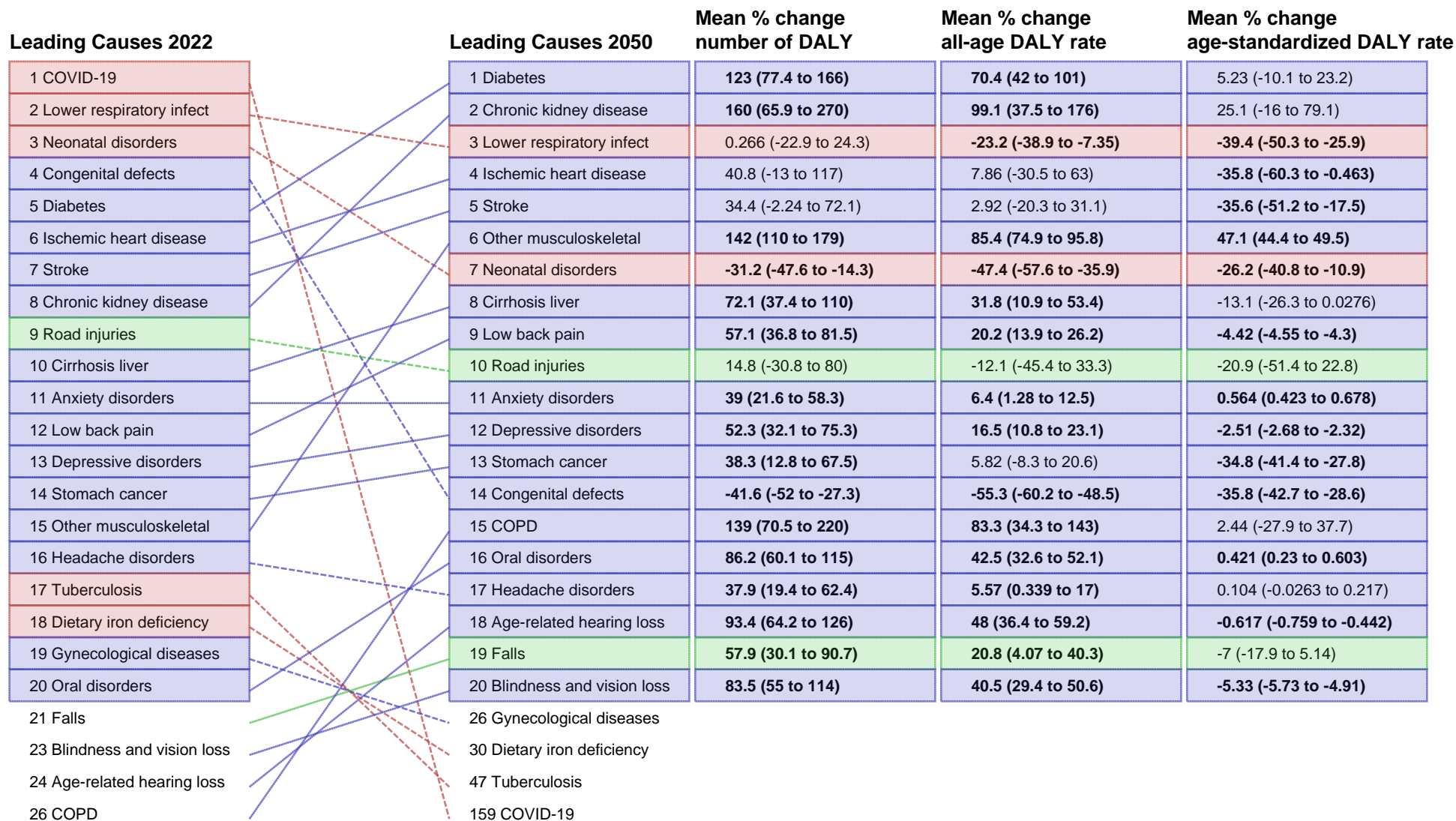
Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Low back pain	14.7 (8.64 to 21.1)	6.17 (3.29 to 9.4)	-1.87 (-1.94 to -1.8)
2 Low back pain	2 Alzheimer's disease	73 (58.2 to 87.2)	60.1 (49 to 72.1)	-2.69 (-6.47 to 1.89)
3 COPD	3 COPD	28.9 (10.7 to 46.3)	19.4 (1.45 to 38.2)	-15.8 (-28.8 to -2.86)
4 Lung cancer	4 Diabetes	49.2 (41 to 57.9)	38 (32.1 to 44.1)	20.8 (17.3 to 24.2)
5 Stroke	5 Lung cancer	19.6 (-0.241 to 40.7)	10.7 (-6.81 to 27.5)	-15.8 (-26.5 to -3.83)
6 Alzheimer's disease	6 Ischemic heart disease	-30.5 (-43.3 to -14.8)	-35.6 (-47.9 to -20)	-55 (-63.9 to -43.4)
7 Diabetes	7 Lower respiratory infect	47.4 (29 to 65.8)	36.4 (20.5 to 53)	-16.9 (-26 to -5.29)
8 Depressive disorders	8 Falls	22.2 (10.7 to 34.8)	13.1 (3.35 to 24.7)	-14.7 (-21.6 to -6.44)
9 Falls	9 Depressive disorders	9.89 (3.83 to 15.9)	1.67 (-0.25 to 4.11)	-1.16 (-1.23 to -1.08)
10 COVID-19	10 Stroke	-9.64 (-17.8 to -1.39)	-16.4 (-24.1 to -8.48)	-39.3 (-44.7 to -32.6)
11 Lower respiratory infect	11 Colorectal cancer	33.3 (7.59 to 64.1)	23.3 (0.715 to 51.1)	-10.2 (-25.8 to 9.22)
12 Headache disorders	12 Headache disorders	6.54 (0.771 to 13.6)	-1.43 (-3.17 to 2.73)	-0.448 (-0.677 to -0.178)
13 Colorectal cancer	13 Age-related hearing loss	36.2 (28 to 44)	26.1 (20.8 to 30.9)	-0.596 (-0.647 to -0.552)
14 Anxiety disorders	14 Drug use disorders	34.6 (20.8 to 54.7)	24.5 (13.1 to 38.5)	26.4 (14.8 to 41.3)
15 Age-related hearing loss	15 Other musculoskeletal	35.8 (28.7 to 43.9)	25.6 (21.1 to 30.6)	20 (18.8 to 21)
16 Drug use disorders	16 Osteoarthritis	30.3 (22.9 to 37.5)	20.5 (16.1 to 25)	1.68 (1.53 to 1.84)
17 Other musculoskeletal	17 Anxiety disorders	7.89 (1.08 to 15.2)	-0.193 (-1.88 to 1.62)	0.1 (0.0167 to 0.185)
18 Osteoarthritis	18 Prostate cancer	59.7 (35.7 to 84.6)	47.8 (28.5 to 70.8)	0.705 (-9.93 to 12.9)
19 Breast cancer	19 Breast cancer	22.7 (5.41 to 42.5)	13.5 (-0.699 to 29.5)	-11.7 (-22.6 to 2.02)
20 Gynecological diseases	20 Pancreatic cancer	69.1 (36.2 to 104)	56.4 (28.5 to 86.9)	20.7 (0.657 to 43)
27 Prostate cancer	24 Gynecological diseases			
28 Pancreatic cancer	150 COVID-19			

### Bolivia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries



### Ecuador, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	168 (122 to 218)	115 (87.3 to 144)	33.3 (19 to 48.6)
2 Ischemic heart disease	2 Chronic kidney disease	169 (81.5 to 263)	116 (53.5 to 199)	26.6 (-11.5 to 80.5)
3 Road injuries	3 Ischemic heart disease	41.4 (-9.33 to 100)	13.5 (-23.2 to 62.4)	<b>-36.7 (-59.1 to -2.76)</b>
4 Diabetes	4 Road injuries	7.07 (-30.3 to 56.8)	-14 (-44.1 to 25.7)	-16.7 (-46.5 to 22.9)
5 Neonatal disorders	5 Other musculoskeletal	120 (85.5 to 151)	76 (65.7 to 86.3)	38.8 (36.8 to 41.2)
6 Lower respiratory infect	6 Stroke	42.1 (10.2 to 77.1)	14 (-8.25 to 40.2)	<b>-31.3 (-46.4 to -12.7)</b>
7 Chronic kidney disease	7 Lower respiratory infect	24.8 (-2.87 to 57.5)	0.114 (-18.6 to 22.2)	<b>-35.2 (-46.7 to -21.5)</b>
8 Stroke	8 Low back pain	54.3 (32.6 to 77.3)	23.8 (17.5 to 31)	-3.62 (-3.77 to -3.46)
9 Congenital defects	9 Depressive disorders	43 (22.6 to 63)	14.6 (9.15 to 21.4)	-1.93 (-2.08 to -1.77)
10 Anxiety disorders	10 Cirrhosis liver	66.9 (38 to 95.1)	33.9 (18.6 to 51.7)	<b>-12.9 (-22.3 to -0.619)</b>
11 Low back pain	11 Neonatal disorders	<b>-24.3 (-41 to -4.82)</b>	<b>-39.3 (-49.8 to -27.1)</b>	<b>-19.4 (-34.3 to -1.35)</b>
12 Depressive disorders	12 Anxiety disorders	31.4 (11.9 to 51.4)	5.27 (-0.347 to 11.5)	0.545 (0.396 to 0.703)
13 Other musculoskeletal	13 Age-related hearing loss	92.2 (61.8 to 124)	54.1 (41.8 to 66.7)	<b>-0.69 (-0.805 to -0.562)</b>
14 Headache disorders	14 Falls	53.5 (22.3 to 89.1)	23 (9.02 to 39.8)	-10.4 (-19.3 to 1.58)
15 Cirrhosis liver	15 Oral disorders	79.5 (51.9 to 109)	43.9 (33.9 to 54.3)	0.461 (0.293 to 0.638)
16 Interpersonal violence	16 Headache disorders	29.5 (9.49 to 47.7)	3.85 (-2.14 to 17.4)	0.115 (-0.0102 to 0.254)
17 Falls	17 Alzheimer's disease	182 (127 to 253)	126 (92.5 to 160)	3.57 (0.558 to 6.27)
18 Self-harm	18 COPD	152 (80.5 to 232)	102 (51.8 to 154)	-1.47 (-29.2 to 31.5)
19 Age-related hearing loss	19 Blindness and vision loss	82.4 (52.7 to 113)	46.2 (35.9 to 57.4)	<b>-4.61 (-4.95 to -4.27)</b>
20 Gynecological diseases	20 Osteoarthritis	110 (79.5 to 140)	68.3 (57.4 to 79.4)	2.63 (2.3 to 3.04)
22 Oral disorders	23 Self-harm			
25 Blindness and vision loss	26 Congenital defects			
26 COPD	27 Gynecological diseases			
27 Osteoarthritis	31 Interpersonal violence			
30 Alzheimer's disease	160 COVID-19			

### Peru, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Lower respiratory infect	35.9 (6.04 to 67.5)	20.1 (-2.1 to 49.4)	-35.9 (-46.1 to -23.9)
2 Lower respiratory infect	2 Chronic kidney disease	180 (95.7 to 274)	148 (76.3 to 233)	26.2 (-7.98 to 72.3)
3 Neonatal disorders	3 Diabetes	116 (79.4 to 156)	91.3 (63.7 to 120)	4.91 (-6.34 to 17.7)
4 Ischemic heart disease	4 Other musculoskeletal	93.3 (69.5 to 118)	70.9 (59.7 to 82.9)	33 (31.5 to 34.3)
5 Road injuries	5 Ischemic heart disease	35.1 (-13.2 to 97)	19.4 (-19.3 to 75.6)	-40.7 (-59.7 to -10.4)
6 Stroke	6 Low back pain	43.1 (26.8 to 59.9)	26.5 (19.3 to 33.7)	-3.3 (-3.48 to -3.15)
7 Diabetes	7 Stroke	27.5 (0.389 to 59.8)	12.7 (-8.41 to 37.8)	-36.1 (-48.2 to -21.6)
8 Low back pain	8 Cirrhosis liver	56.2 (29.8 to 80.3)	38.1 (18.1 to 57.1)	-13.9 (-25.1 to -3.45)
9 Anxiety disorders	9 Blindness and vision loss	86.8 (64 to 113)	65.1 (50.5 to 77.8)	-3.84 (-4.07 to -3.6)
10 Chronic kidney disease	10 Oral disorders	75.6 (52.8 to 98.5)	55.2 (42.8 to 68.1)	0.172 (-0.000845 to 0.359)
11 Other musculoskeletal	11 Anxiety disorders	16.7 (1.77 to 33.3)	3.12 (-2.7 to 11.1)	0.276 (0.0133 to 0.567)
12 Cirrhosis liver	12 Alzheimer's disease	190 (139 to 245)	156 (121 to 190)	-2.33 (-5.43 to 0.214)
13 Congenital defects	13 Road injuries	-4.07 (-36.1 to 45.2)	-15.2 (-42.7 to 24.9)	-20.2 (-46.7 to 19.9)
14 Oral disorders	14 Age-related hearing loss	96.4 (71.7 to 124)	73.6 (60.6 to 86.1)	-0.555 (-0.659 to -0.457)
15 Headache disorders	15 Neonatal disorders	-41.6 (-53.3 to -27.2)	-48.4 (-57 to -38.6)	-29.6 (-40.5 to -16)
16 Stomach cancer	16 Interstitial lung disease	141 (105 to 184)	113 (83.2 to 145)	-2.55 (-12.1 to 7.77)
17 Blindness and vision loss	17 Osteoarthritis	110 (85.6 to 133)	85.4 (72.5 to 96.3)	1.94 (1.64 to 2.29)
18 Gynecological diseases	18 Stomach cancer	24 (4.64 to 44)	9.59 (-5.29 to 23.5)	-41.3 (-46.3 to -35.4)
19 Depressive disorders	19 Headache disorders	14.9 (-1.45 to 30.2)	1.48 (-4.35 to 13.4)	-0.142 (-0.368 to 0.0883)
20 Foreign body	20 Lung cancer	98.5 (50.9 to 156)	75.4 (34.2 to 121)	-7.16 (-27 to 15.4)
21 Age-related hearing loss	22 Depressive disorders			
24 Osteoarthritis	26 Gynecological diseases			
25 Alzheimer's disease	32 Congenital defects			
26 Lung cancer	34 Foreign body			
28 Interstitial lung disease	162 COVID-19			

### Antigua and Barbuda, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	75.8 (47.8 to 105)	75.1 (56.1 to 96.5)	9.89 (-3.15 to 26.3)
2 Stroke	2 Chronic kidney disease	89.3 (27.7 to 169)	88.6 (34.7 to 165)	10.7 (-24.2 to 65.3)
3 Ischemic heart disease	3 Hypertensive heart disease	123 (56.1 to 211)	122 (62.5 to 206)	14.4 (-21.2 to 66.5)
4 Chronic kidney disease	4 Stroke	13.2 (-13.2 to 43.2)	12.8 (-9.48 to 40.8)	-39.6 (-52.7 to -20.3)
5 COVID-19	5 Ischemic heart disease	5.3 (-32 to 56.1)	4.95 (-32.3 to 57.3)	-45.9 (-66.3 to -15.6)
6 Hypertensive heart disease	6 Prostate cancer	109 (39.9 to 187)	108 (47 to 180)	-4.43 (-27.8 to 20)
7 Low back pain	7 Lower respiratory infect	53.3 (21.1 to 92.6)	52.7 (27.7 to 82.9)	-24.8 (-38.9 to -2.42)
8 Lower respiratory infect	8 Other musculoskeletal	55.6 (33.4 to 79.2)	54.9 (45.8 to 64.6)	28.3 (24.8 to 31.7)
9 Neonatal disorders	9 Low back pain	19.7 (3.24 to 35.1)	19.2 (13.2 to 25.2)	-3.13 (-3.3 to -2.93)
10 Prostate cancer	10 Breast cancer	52.1 (7.94 to 106)	51.5 (9.35 to 99)	-1.67 (-27.5 to 28.2)
11 Other musculoskeletal	11 Alzheimer's disease	164 (116 to 207)	163 (119 to 197)	6.8 (3.76 to 9.71)
12 Headache disorders	12 Age-related hearing loss	62.6 (41.1 to 86.3)	62 (52.1 to 76)	-0.533 (-0.63 to -0.449)
13 Breast cancer	13 Colorectal cancer	82.7 (10.9 to 169)	82 (13.7 to 173)	0.711 (-33.6 to 44.1)
14 Depressive disorders	14 Endo/metab/blood/immune	54.8 (26 to 89.5)	54.2 (34.1 to 76.3)	9.65 (-7.47 to 30.8)
15 Anxiety disorders	15 Depressive disorders	9.84 (-6.12 to 26.8)	9.37 (3.82 to 15.3)	-2.05 (-2.38 to -1.78)
16 Alcohol use disorders	16 Alcohol use disorders	9.89 (-7.46 to 31.3)	9.45 (-3.25 to 25)	-2.95 (-11.8 to 9.05)
17 Mechanical forces	17 Headache disorders	-3.05 (-17.7 to 12.2)	-3.45 (-8.66 to 8.35)	-0.33 (-0.526 to -0.0981)
18 Age-related hearing loss	18 Anxiety disorders	0.866 (-14.2 to 18.9)	0.404 (-4.54 to 7.02)	0.0546 (-0.225 to 0.331)
19 Endo/metab/blood/immune	19 Osteoarthritis	63.5 (44.6 to 82.9)	62.9 (53.3 to 73.6)	1.95 (1.69 to 2.22)
20 HIV/AIDS	20 Cirrhosis liver	27.3 (4.63 to 52.1)	26.9 (9.34 to 45.5)	-13.1 (-24.9 to 1.8)
21 Cirrhosis liver	23 Mechanical forces			
22 Colorectal cancer	25 Neonatal disorders			
27 Osteoarthritis	41 HIV/AIDS			
28 Alzheimer's disease	153 COVID-19			

### The Bahamas, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	97.4 (62.4 to 136)	80.8 (60.4 to 104)	16.6 (4.67 to 31.5)
2 Interpersonal violence	2 Hypertensive heart disease	139 (65.2 to 230)	119 (57.9 to 208)	21.2 (-14.8 to 77.1)
3 Ischemic heart disease	3 Chronic kidney disease	114 (46.5 to 207)	96.3 (34.3 to 179)	25.3 (-18 to 82.5)
4 HIV/AIDS	4 Ischemic heart disease	16.2 (-26.4 to 70.8)	6.51 (-28.6 to 62.4)	<b>-40.2 (-62.4 to -4.33)</b>
5 Hypertensive heart disease	5 Stroke	28 (-4.21 to 59)	17.3 (-6.89 to 47.7)	<b>-33.8 (-48.6 to -13.1)</b>
6 Stroke	6 Prostate cancer	132 (55.6 to 240)	112 (51.8 to 200)	-5.76 (-28 to 23.7)
7 COVID-19	7 Interpersonal violence	-41.8 (-68 to 15.9)	-46.7 (-70.4 to 2.29)	-37.1 (-66.4 to 27.8)
8 Chronic kidney disease	8 Other musculoskeletal	55 (31.2 to 78.3)	42 (32.2 to 53.3)	15.2 (10.3 to 20.8)
9 Road injuries	9 Lower respiratory infect	68.8 (31 to 110)	54.6 (27.4 to 87.8)	<b>-20.6 (-35.5 to -0.31)</b>
10 Low back pain	10 Low back pain	34.3 (15.7 to 51.5)	23 (17.1 to 29.7)	<b>-2.07 (-2.25 to -1.86)</b>
11 Breast cancer	11 Endo/metab/blood/immune	58.9 (28.2 to 90.1)	45.6 (23.6 to 67.6)	10.4 (-7.9 to 31.5)
12 Neonatal disorders	12 Breast cancer	37.4 (-2.97 to 94.4)	25.8 (-8.41 to 68.1)	-14.7 (-36.3 to 11.4)
13 Other musculoskeletal	13 Alzheimer's disease	213 (144 to 294)	187 (139 to 234)	3.77 (0.954 to 6.5)
14 Endo/metab/blood/immune	14 Age-related hearing loss	83.2 (53.6 to 114)	67.7 (53.6 to 83)	<b>-0.347 (-0.423 to -0.272)</b>
15 Headache disorders	15 Road injuries	2.93 (-38 to 63.6)	-5.62 (-42.8 to 56.8)	-0.844 (-39.7 to 70.1)
16 Lower respiratory infect	16 Colorectal cancer	66.7 (2.66 to 156)	52.4 (-4.79 to 131)	-10.3 (-41.3 to 29.8)
17 Depressive disorders	17 Depressive disorders	22.3 (5.45 to 39.2)	12 (6.76 to 18.4)	<b>-1.42 (-1.65 to -1.22)</b>
18 Anxiety disorders	18 Headache disorders	6.52 (-7.35 to 23)	-2.4 (-7.98 to 12.3)	<b>-0.345 (-0.525 to -0.137)</b>
19 Cirrhosis liver	19 Lung cancer	62.8 (12 to 129)	48.9 (4.76 to 102)	-7.68 (-33.9 to 19.7)
20 Prostate cancer	20 Anxiety disorders	10.2 (-5.3 to 26.1)	0.937 (-5.33 to 7.82)	-0.0974 (-0.305 to 0.125)
21 Colorectal cancer	21 Cirrhosis liver			
22 Age-related hearing loss	27 Neonatal disorders			
24 Lung cancer	28 HIV/AIDS			
36 Alzheimer's disease	156 COVID-19			

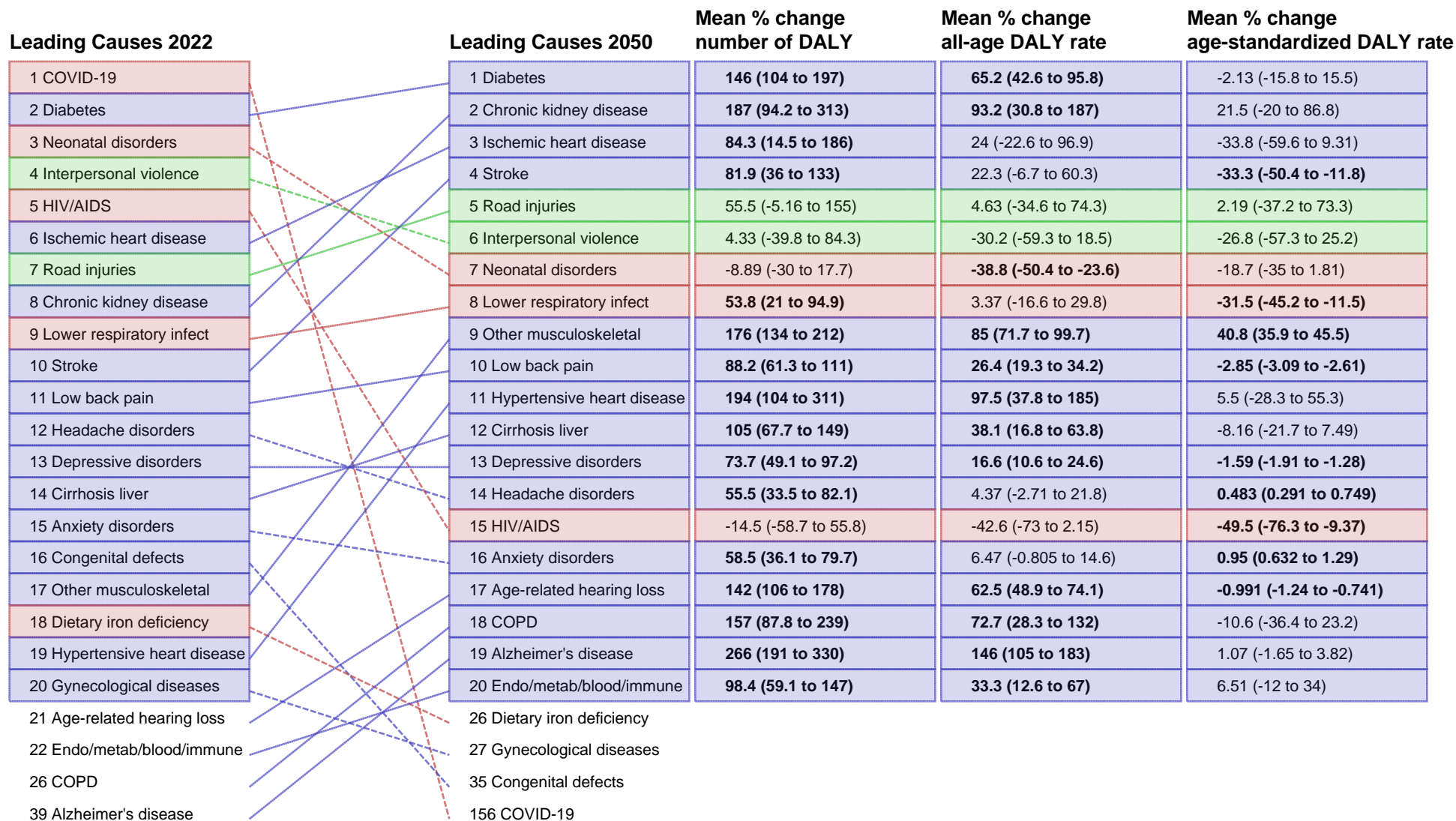
### Barbados, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	27.3 (3.2 to 58.3)	44.9 (21.7 to 76)	8.54 (-7.11 to 27.8)
2 Diabetes	2 Stroke	-14.1 (-36.4 to 16.3)	-2.17 (-26.5 to 30.9)	<b>-35.6 (-51.1 to -11.8)</b>
3 Stroke	3 Chronic kidney disease	63.7 (9.51 to 147)	86.5 (30.3 to 174)	26.4 (-12.4 to 92.7)
4 Ischemic heart disease	4 Ischemic heart disease	-17.3 (-47.3 to 33.2)	-5.72 (-39.8 to 46.5)	<b>-40.4 (-61.9 to -5.96)</b>
5 Chronic kidney disease	5 Lower respiratory infect	27 (-1.85 to 65.2)	44.6 (13.7 to 82.6)	-22.2 (-37.3 to 0.0987)
6 Lower respiratory infect	6 Colorectal cancer	25.8 (-24 to 94.6)	42.7 (-13.5 to 107)	-3.59 (-37.7 to 33.3)
7 Low back pain	7 Prostate cancer	44.2 (-8.79 to 106)	63.7 (3.13 to 125)	-3.29 (-28.4 to 24.2)
8 Colorectal cancer	8 Other musculoskeletal	25.1 (6.89 to 49.7)	42.3 (32.6 to 51.9)	25.4 (19.5 to 30.1)
9 Breast cancer	9 Alzheimer's disease	71.9 (29.6 to 115)	95.3 (58.1 to 128)	1.36 (-1.85 to 4.13)
10 Other musculoskeletal	10 Breast cancer	8.25 (-26.6 to 50.3)	22.9 (-14.2 to 64)	-8.03 (-33.2 to 20.3)
11 Neonatal disorders	11 Low back pain	-2.98 (-16.2 to 13.3)	10.4 (4.91 to 15.8)	<b>-3.41 (-3.55 to -3.25)</b>
12 Prostate cancer	12 Hypertensive heart disease	59.3 (11.3 to 133)	81.5 (24.7 to 159)	16.4 (-21.8 to 70.4)
13 Age-related hearing loss	13 Urinary diseases	76.3 (36.7 to 129)	101 (58.9 to 158)	21.3 (-2.65 to 59.9)
14 Depressive disorders	14 Age-related hearing loss	23 (2.55 to 46.5)	39.9 (26.5 to 51.7)	<b>-0.382 (-0.491 to -0.27)</b>
15 Interpersonal violence	15 Depressive disorders	-7.43 (-19.3 to 7.96)	5.29 (1.58 to 9.55)	<b>-2.08 (-2.33 to -1.8)</b>
16 Headache disorders	16 Endo/metab/blood/immune	25.2 (3.66 to 55.5)	42.5 (18.9 to 71.3)	7.44 (-9.83 to 30.9)
17 Anxiety disorders	17 Osteoarthritis	16.6 (-0.264 to 37.9)	32.6 (23.3 to 40.1)	1.49 (1.21 to 1.77)
18 Alzheimer's disease	18 Headache disorders	<b>-15.2 (-25.5 to -2.03)</b>	-3.49 (-7.44 to 4.43)	<b>-0.517 (-0.718 to -0.277)</b>
19 Hypertensive heart disease	19 Anxiety disorders	-12.6 (-23.8 to 2.42)	-0.54 (-4.25 to 3.5)	-0.185 (-0.431 to 0.0384)
20 Urinary diseases	20 Oral disorders	7.74 (-6.96 to 25.7)	22.5 (14.9 to 30.3)	0.151 (-0.0848 to 0.359)
21 Osteoarthritis	22 Neonatal disorders			
22 Endo/metab/blood/immune	31 Interpersonal violence			
23 Oral disorders	153 COVID-19			

### Belize, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries





### Bermuda, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	<b>39.4 (20.1 to 60.9)</b>	<b>67.5 (51 to 84.6)</b>	<b>26.4 (15.3 to 37.2)</b>
2 Diabetes	2 Ischemic heart disease	-18.8 (-48.9 to 27)	-2.28 (-36.1 to 47.2)	<b>-50.8 (-65.3 to -24.7)</b>
3 COVID-19	3 Alzheimer's disease	<b>100 (60 to 140)</b>	<b>141 (106 to 175)</b>	<b>-8.86 (-11.5 to -6.13)</b>
4 Stroke	4 Prostate cancer	<b>54.7 (9.79 to 103)</b>	<b>85.8 (36.4 to 139)</b>	-5.66 (-26.2 to 15.2)
5 Lung cancer	5 Age-related hearing loss	<b>30.9 (14.2 to 50.8)</b>	<b>57.4 (45 to 70.2)</b>	<b>-0.402 (-0.496 to -0.305)</b>
6 Low back pain	6 Colorectal cancer	28 (-19.4 to 83.1)	53.7 (-1.98 to 115)	-15.4 (-43.1 to 15.7)
7 Colorectal cancer	7 Lung cancer	1.7 (-27.8 to 33.5)	22.2 (-12.5 to 58.6)	<b>-20.5 (-39.9 to -0.343)</b>
8 Age-related hearing loss	8 Chronic kidney disease	<b>62.7 (6.71 to 140)</b>	<b>95.6 (32.1 to 189)</b>	3.65 (-27.9 to 49.9)
9 Other musculoskeletal	9 Stroke	-19.2 (-40.3 to 5.9)	-2.84 (-25.6 to 26.4)	<b>-46.1 (-56 to -31.8)</b>
10 Alzheimer's disease	10 Low back pain	-7.98 (-18 to 3.91)	<b>10.7 (5.01 to 15.9)</b>	<b>-2.54 (-2.7 to -2.38)</b>
11 Prostate cancer	11 Other musculoskeletal	11.2 (-1.6 to 26)	<b>33.7 (26 to 44.8)</b>	<b>23.3 (21 to 25.2)</b>
12 Depressive disorders	12 Lower respiratory infect	<b>56.4 (16 to 98.8)</b>	<b>88 (45.7 to 134)</b>	<b>-25.3 (-38.4 to -9.43)</b>
13 Chronic kidney disease	13 Other cardiovascular	12.4 (-10.8 to 38.9)	<b>35.1 (11.9 to 61.6)</b>	<b>-25.3 (-34.9 to -13.2)</b>
14 Other cardiovascular	14 COPD	<b>52.4 (7.62 to 105)</b>	<b>83.1 (34 to 147)</b>	-11.5 (-32.1 to 19.5)
15 Headache disorders	15 Osteoarthritis	<b>14.6 (2.22 to 30.2)</b>	<b>37.7 (32.2 to 43.6)</b>	<b>1.64 (1.42 to 1.86)</b>
16 Osteoarthritis	16 Depressive disorders	<b>-12.1 (-20.8 to -0.536)</b>	<b>5.63 (0.621 to 11)</b>	<b>-1.48 (-1.68 to -1.3)</b>
17 Anxiety disorders	17 Hypertensive heart disease	<b>67.5 (6.64 to 148)</b>	<b>101 (32.7 to 189)</b>	0.799 (-30 to 41.9)
18 Breast cancer	18 Pancreatic cancer	54.5 (-11.7 to 136)	<b>85.5 (9.14 to 182)</b>	11.8 (-28.8 to 62.5)
19 Oral disorders	19 Breast cancer	0.756 (-29.4 to 37.7)	21 (-12.5 to 58)	<b>-23.6 (-41.7 to -4.6)</b>
20 Lower respiratory infect	20 Atrial fibrillation	<b>110 (64.2 to 162)</b>	<b>153 (109 to 207)</b>	2.11 (-9.28 to 14.2)
21 COPD	21 Oral disorders			
26 Pancreatic cancer	25 Anxiety disorders			
27 Hypertensive heart disease	26 Headache disorders			
35 Atrial fibrillation	152 COVID-19			

### Cuba, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-12.9 (-41 to 22.3)	4.44 (-28.4 to 45.1)	<b>-42.2 (-60.2 to -14.5)</b>
2 Stroke	2 Diabetes	<b>53.8 (32 to 74.7)</b>	<b>84.1 (69.9 to 95.6)</b>	<b>40.3 (30.8 to 48.9)</b>
3 Diabetes	3 Stroke	-14.4 (-32 to 5.55)	2.66 (-17.3 to 24.9)	<b>-41.2 (-52.1 to -28.6)</b>
4 Lung cancer	4 Falls	<b>64.7 (34.5 to 98.2)</b>	<b>97.2 (72.5 to 124)</b>	7.09 (-3.62 to 19.2)
5 Lower respiratory infect	5 Lower respiratory infect	21.4 (-1.69 to 50)	<b>45.3 (21.2 to 73.7)</b>	<b>-30.7 (-41.7 to -17.1)</b>
6 Falls	6 Lung cancer	7.53 (-23.4 to 44.1)	28.5 (-1.96 to 67.1)	-13.8 (-32.7 to 9.4)
7 COPD	7 COPD	27.4 (-3.58 to 63.8)	<b>52.7 (16.2 to 89.9)</b>	-14.5 (-35.1 to 11.8)
8 Low back pain	8 Alzheimer's disease	<b>95.5 (59.5 to 131)</b>	<b>134 (104 to 164)</b>	-2.59 (-5.89 to 0.375)
9 Depressive disorders	9 Prostate cancer	<b>59.6 (15.2 to 117)</b>	<b>90.8 (42.8 to 151)</b>	-0.393 (-19.7 to 22.2)
10 Age-related hearing loss	10 Chronic kidney disease	<b>52.2 (11 to 107)</b>	<b>82.5 (34.8 to 144)</b>	11.6 (-17.4 to 54.3)
11 Other musculoskeletal	11 Colorectal cancer	36.6 (-9.07 to 98.7)	<b>63.2 (14.6 to 133)</b>	-3.13 (-30 to 33.3)
12 Colorectal cancer	12 Age-related hearing loss	<b>32.6 (13.5 to 51.5)</b>	<b>58.8 (45.9 to 71.4)</b>	<b>-0.468 (-0.552 to -0.386)</b>
13 Chronic kidney disease	13 Hypertensive heart disease	<b>69 (22.6 to 128)</b>	<b>103 (46 to 175)</b>	16.3 (-15.9 to 59.4)
14 Headache disorders	14 Low back pain	-4.15 (-16.7 to 8.2)	<b>14.8 (9.9 to 20.8)</b>	<b>-2.94 (-3.09 to -2.76)</b>
15 Prostate cancer	15 Depressive disorders	-8.51 (-20.3 to 3.68)	<b>9.54 (5.24 to 15.9)</b>	<b>-1.58 (-1.75 to -1.42)</b>
16 Alzheimer's disease	16 Other musculoskeletal	8.67 (-6.16 to 22.4)	<b>30.1 (25.3 to 35.7)</b>	<b>27.7 (25.2 to 29.8)</b>
17 Cirrhosis liver	17 Blindness and vision loss	<b>23.5 (5.59 to 41.8)</b>	<b>47.9 (35.5 to 58.1)</b>	<b>-3.77 (-4 to -3.54)</b>
18 Anxiety disorders	18 Osteoarthritis	<b>20.5 (3.25 to 37.3)</b>	<b>44.3 (38.1 to 51.4)</b>	<b>1.8 (1.54 to 2.09)</b>
19 Self-harm	19 Oral disorders	10.3 (-5.9 to 26.2)	<b>32.1 (23.1 to 40.9)</b>	<b>0.268 (0.0897 to 0.452)</b>
20 Hypertensive heart disease	20 Cirrhosis liver	-14.2 (-28.9 to 2.43)	2.7 (-9 to 16.2)	-9.25 (-20.1 to 2.8)
21 Blindness and vision loss	22 Headache disorders			
22 Oral disorders	24 Anxiety disorders			
24 Osteoarthritis	26 Self-harm			

### Dominica, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	40.9 (13 to 70.8)	52.6 (31.7 to 77.2)	3.28 (-11.2 to 19.5)
2 Diabetes	2 Chronic kidney disease	54.7 (7.94 to 121)	67.7 (15.7 to 141)	12.6 (-25 to 71.8)
3 Ischemic heart disease	3 Hypertensive heart disease	77.7 (22.6 to 142)	92.6 (31.6 to 169)	16.2 (-21.4 to 66.7)
4 Stroke	4 Stroke	-11.6 (-33.2 to 13.8)	-4.16 (-25.4 to 21.8)	<b>-41.4 (-55.7 to -18.7)</b>
5 Neonatal disorders	5 Ischemic heart disease	-15.5 (-44.7 to 29.5)	-8.4 (-41.6 to 38.7)	<b>-44.2 (-64.3 to -9.57)</b>
6 Chronic kidney disease	6 Prostate cancer	75.1 (18.4 to 146)	89.6 (32.6 to 163)	9.59 (-16 to 47.5)
7 Hypertensive heart disease	7 Neonatal disorders	<b>-38.1 (-53.6 to -20.3)</b>	<b>-33 (-45.7 to -14.8)</b>	-12.2 (-31.1 to 14.8)
8 Lower respiratory infect	8 Lower respiratory infect	11.5 (-14.1 to 41.1)	20.8 (-6.89 to 47.4)	<b>-28.5 (-42.8 to -9.19)</b>
9 Road injuries	9 Other musculoskeletal	49.9 (25.2 to 75.5)	62.3 (52.9 to 71)	30.2 (27.4 to 32.9)
10 Low back pain	10 Low back pain	11.8 (-7.06 to 29.2)	21.1 (15.2 to 27.2)	<b>-2.35 (-2.57 to -2.13)</b>
11 Headache disorders	11 Lung cancer	39.1 (-7.72 to 92.9)	50.5 (4.57 to 99.5)	-0.399 (-28.1 to 30.4)
12 Other musculoskeletal	12 Breast cancer	33.4 (-9.75 to 79.1)	44.4 (3.62 to 90.4)	-3.29 (-29.3 to 25.4)
13 Congenital defects	13 COPD	58.5 (11.7 to 111)	71.7 (27.5 to 128)	2.7 (-26.4 to 42.5)
14 Depressive disorders	14 Alzheimer's disease	97.7 (53.1 to 138)	114 (80.5 to 145)	7.58 (4.65 to 10.9)
15 Lung cancer	15 Age-related hearing loss	36.8 (12.7 to 61.9)	48.1 (35.7 to 58.7)	<b>-0.65 (-0.903 to -0.341)</b>
16 Cardiomyopathy	16 Road injuries	-14.8 (-48.8 to 34.3)	-7.67 (-39.8 to 45.8)	-4.22 (-39.7 to 55.2)
17 Stomach cancer	17 Colorectal cancer	48.6 (-12.3 to 122)	60.7 (2.1 to 140)	1.03 (-34 to 46.1)
18 Interpersonal violence	18 Depressive disorders	4.73 (-12.4 to 22.4)	13.4 (8.13 to 19.4)	<b>-0.88 (-1.17 to -0.655)</b>
19 Breast cancer	19 Cardiomyopathy	0.0857 (-19.8 to 19.3)	8.31 (-5.16 to 22)	<b>-21.7 (-28.3 to -14.6)</b>
20 Prostate cancer	20 Headache disorders	-6.38 (-21.7 to 10.6)	1.36 (-5.43 to 17)	<b>0.775 (0.532 to 0.935)</b>
22 Age-related hearing loss	23 Stomach cancer			
23 COPD	31 Congenital defects			
26 Colorectal cancer	37 Interpersonal violence			
32 Alzheimer's disease	156 COVID-19			

### Dominican Republic, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	22.5 (-23.9 to 78.8)	6.44 (-31.4 to 59.8)	<b>-39.9 (-63 to -5.07)</b>
2 Neonatal disorders	2 Diabetes	<b>133 (87.7 to 174)</b>	<b>102 (79 to 128)</b>	<b>29.5 (15.3 to 44.2)</b>
3 Stroke	3 Stroke	22.5 (-10.4 to 56.9)	6.45 (-16 to 29.7)	<b>-37.8 (-51.2 to -21.9)</b>
4 Diabetes	4 Neonatal disorders	<b>-35.9 (-54.9 to -15.9)</b>	<b>-44.4 (-54.2 to -31.8)</b>	<b>-20.5 (-34.9 to -2.76)</b>
5 Road injuries	5 Chronic kidney disease	<b>118 (41.3 to 201)</b>	<b>89.2 (33.7 to 163)</b>	20.3 (-17.2 to 72.3)
6 Interpersonal violence	6 Road injuries	-5.53 (-42.6 to 42.8)	-18.1 (-45.8 to 25.1)	-17.8 (-47.7 to 26.8)
7 Cirrhosis liver	7 Other musculoskeletal	<b>124 (81.9 to 160)</b>	<b>94.2 (82.7 to 107)</b>	<b>56.5 (53.5 to 59.4)</b>
8 Low back pain	8 Cirrhosis liver	<b>37.2 (10 to 66)</b>	<b>19.2 (1.8 to 36.3)</b>	<b>-17.6 (-29.7 to -3.99)</b>
9 Depressive disorders	9 Low back pain	<b>38.7 (14.3 to 61.6)</b>	<b>20.4 (13.9 to 27.2)</b>	<b>-4.37 (-4.53 to -4.16)</b>
10 Chronic kidney disease	10 Depressive disorders	<b>32.6 (9.16 to 57.1)</b>	<b>15.2 (9.42 to 22.9)</b>	<b>-2.07 (-2.25 to -1.87)</b>
11 Headache disorders	11 Alzheimer's disease	<b>179 (119 to 239)</b>	<b>142 (99.7 to 186)</b>	2.44 (-0.265 to 5.53)
12 Anxiety disorders	12 Age-related hearing loss	<b>85.9 (52.3 to 118)</b>	<b>61.6 (48 to 77.2)</b>	<b>-0.961 (-1.1 to -0.841)</b>
13 Lower respiratory infect	13 Hypertensive heart disease	<b>120 (48.4 to 202)</b>	<b>91.4 (37.1 to 158)</b>	5.65 (-25.1 to 50.7)
14 Congenital defects	14 Headache disorders	16.9 (-5.46 to 39.6)	1.54 (-3.3 to 13.6)	<b>0.76 (0.486 to 0.946)</b>
15 COVID-19	15 Lung cancer	<b>96.3 (36.9 to 163)</b>	<b>70.8 (21.7 to 128)</b>	1.25 (-23.7 to 30.5)
16 Other musculoskeletal	16 Interpersonal violence	-35.7 (-62.2 to 7.48)	<b>-44 (-64.6 to -7.59)</b>	-38.6 (-61.6 to 3.84)
17 Age-related hearing loss	17 Anxiety disorders	20.6 (-1.12 to 42)	4.75 (-0.931 to 11.1)	<b>1.27 (1.14 to 1.41)</b>
18 HIV/AIDS	18 Lower respiratory infect	10.7 (-16.6 to 40.5)	-3.82 (-21.9 to 19.6)	<b>-34.5 (-44.4 to -21.1)</b>
19 Dietary iron deficiency	19 Prostate cancer	<b>149 (64.2 to 255)</b>	<b>116 (49.7 to 198)</b>	3.3 (-21.6 to 29.3)
20 Endo/metab/blood/immune	20 Oral disorders	<b>63.6 (33.2 to 89.9)</b>	<b>42.1 (30.8 to 53.9)</b>	<b>0.862 (0.575 to 1.16)</b>
21 Hypertensive heart disease	25 Endo/metab/blood/immune			
23 Lung cancer	30 Dietary iron deficiency			
25 Oral disorders	33 Congenital defects			
27 Alzheimer's disease	71 HIV/AIDS			
34 Prostate cancer	161 COVID-19			

### Grenada, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>50.8 (21.8 to 78)</b>	<b>66.9 (41.6 to 96.4)</b>	4.61 (-10.4 to 24)
2 COVID-19	2 Chronic kidney disease	<b>61.7 (7.12 to 127)</b>	<b>79.4 (18.4 to 158)</b>	11.5 (-28.9 to 68.1)
3 Ischemic heart disease	3 Ischemic heart disease	-9.11 (-43.3 to 38.6)	0.936 (-36.7 to 53)	<b>-42.9 (-65.9 to -5.07)</b>
4 Stroke	4 Stroke	-3.22 (-27.6 to 24)	7.24 (-16.9 to 38.1)	<b>-40.8 (-56.1 to -16.8)</b>
5 Chronic kidney disease	5 Prostate cancer	<b>101 (28.3 to 186)</b>	<b>122 (49.5 to 205)</b>	13.1 (-17.2 to 47.9)
6 Neonatal disorders	6 Hypertensive heart disease	<b>78.6 (27.8 to 148)</b>	<b>98.2 (37.3 to 180)</b>	8.03 (-26.1 to 62.5)
7 Lower respiratory infect	7 Lower respiratory infect	23 (-3.41 to 50)	<b>36.1 (10.4 to 64.1)</b>	<b>-27.7 (-43.1 to -7.82)</b>
8 Low back pain	8 Other musculoskeletal	<b>59.3 (32.7 to 85.3)</b>	<b>76 (64.3 to 89.5)</b>	<b>41.3 (35.9 to 46.7)</b>
9 Hypertensive heart disease	9 Low back pain	9.55 (-5.43 to 27.4)	<b>21.1 (14.3 to 27.4)</b>	<b>-3.8 (-3.99 to -3.58)</b>
10 Prostate cancer	10 Breast cancer	34.7 (-9.06 to 87.2)	<b>48.6 (2.87 to 99.4)</b>	-3.17 (-30.1 to 26.1)
11 Headache disorders	11 Colorectal cancer	60.8 (-4.36 to 151)	<b>77.2 (7.72 to 157)</b>	2.46 (-35.1 to 44.7)
12 Depressive disorders	12 Age-related hearing loss	<b>45 (21.6 to 71.7)</b>	<b>60.3 (45.3 to 73.9)</b>	<b>-0.778 (-1.05 to -0.466)</b>
13 Other musculoskeletal	13 Alzheimer's disease	<b>122 (72.4 to 175)</b>	<b>145 (103 to 189)</b>	-0.614 (-3.66 to 2.29)
14 Anxiety disorders	14 Depressive disorders	1.06 (-13.7 to 19.5)	<b>11.7 (6.09 to 17.7)</b>	<b>-1.67 (-1.91 to -1.43)</b>
15 Breast cancer	15 Neonatal disorders	<b>-44.9 (-58.7 to -28.2)</b>	<b>-39.2 (-50.4 to -23)</b>	-18.2 (-34.2 to 3.88)
16 Cirrhosis liver	16 Endo/metab/blood/immune	<b>29.7 (4.87 to 58.4)</b>	<b>43.6 (21 to 73)</b>	7.06 (-12.4 to 29.9)
17 Age-related hearing loss	17 Pancreatic cancer	<b>110 (16.9 to 248)</b>	<b>131 (30.7 to 275)</b>	38.3 (-18.2 to 116)
18 Endo/metab/blood/immune	18 Headache disorders	-9.21 (-23.9 to 8.15)	0.299 (-5.62 to 15.1)	<b>0.765 (0.411 to 0.956)</b>
19 Colorectal cancer	19 COPD	<b>59.8 (17.6 to 113)</b>	<b>77.2 (27.8 to 131)</b>	-4.67 (-35.6 to 29.7)
20 Congenital defects	20 Cirrhosis liver	9.19 (-10.7 to 31.6)	<b>20.9 (1.08 to 43.1)</b>	-15.1 (-29.8 to 1.05)
29 COPD	21 Anxiety disorders			
37 Alzheimer's disease	44 Congenital defects			
39 Pancreatic cancer	154 COVID-19			

### Guyana, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	20.3 (-9.08 to 50.9)	<b>48.5 (25.6 to 76.6)</b>	-7.16 (-19.5 to 7.31)
2 COVID-19	2 Stroke	-22.5 (-43.4 to 1.83)	-4.07 (-29.2 to 28.2)	<b>-49.8 (-61.7 to -34.7)</b>
3 Ischemic heart disease	3 Ischemic heart disease	<b>-35.3 (-61 to -3.4)</b>	-19.7 (-49 to 22.7)	<b>-58.1 (-73.5 to -33.8)</b>
4 Neonatal disorders	4 Chronic kidney disease	19.9 (-22.7 to 72.2)	<b>48.5 (2.73 to 118)</b>	-6.95 (-37.1 to 36.4)
5 Stroke	5 Hypertensive heart disease	45 (-4.44 to 106)	<b>79.5 (23.5 to 153)</b>	-5.87 (-34.9 to 35.2)
6 Self-harm	6 Self-harm	-26.1 (-47.7 to 2.29)	-8.93 (-30.9 to 15)	-8.17 (-31.8 to 17.3)
7 Chronic kidney disease	7 Neonatal disorders	<b>-56 (-68.2 to -40)</b>	<b>-46 (-55.8 to -33.7)</b>	<b>-28.1 (-41.9 to -10.3)</b>
8 Interpersonal violence	8 Lower respiratory infect	-11.6 (-34.3 to 14.2)	9.34 (-13.4 to 42.9)	<b>-32.4 (-45.2 to -15.7)</b>
9 HIV/AIDS	9 Cirrhosis liver	-13.1 (-35.1 to 9.99)	7.16 (-8.38 to 26.4)	<b>-18.8 (-29.7 to -5.19)</b>
10 Lower respiratory infect	10 Other musculoskeletal	<b>67.6 (27.9 to 101)</b>	<b>106 (89.7 to 126)</b>	<b>70 (65.6 to 74.5)</b>
11 Hypertensive heart disease	11 Depressive disorders	-11.5 (-32 to 8.9)	<b>8.94 (2.46 to 16.3)</b>	<b>-2.62 (-2.95 to -2.2)</b>
12 Cirrhosis liver	12 Interpersonal violence	<b>-47 (-71.2 to -13.8)</b>	-35.1 (-58.1 to 0.582)	-30.2 (-55.1 to 9.79)
13 Road injuries	13 Prostate cancer	<b>96.1 (25.8 to 181)</b>	<b>142 (68.1 to 243)</b>	0.688 (-22.6 to 29.8)
14 Depressive disorders	14 Low back pain	-2.17 (-24.6 to 19.5)	<b>20.5 (11.1 to 30.2)</b>	<b>-4.96 (-5.36 to -4.45)</b>
15 Congenital defects	15 Road injuries	-31.5 (-58.8 to 5.84)	-15.5 (-44.6 to 31.7)	-14.1 (-43.8 to 33.7)
16 Low back pain	16 Falls	26.4 (-9.06 to 65.4)	<b>55.8 (28.7 to 92.2)</b>	-3.54 (-16.1 to 10.9)
17 Malaria	17 Endo/metab/blood/immune	5.21 (-21.6 to 36.5)	<b>29.7 (10.6 to 52.5)</b>	7.08 (-10.2 to 26.2)
18 Headache disorders	18 Age-related hearing loss	<b>43.4 (11.2 to 75.6)</b>	<b>77.1 (53.8 to 105)</b>	<b>-1.22 (-1.41 to -1.06)</b>
19 Endo/metab/blood/immune	19 Alzheimer's disease	<b>176 (99.5 to 250)</b>	<b>241 (159 to 325)</b>	1.91 (-1.09 to 4.53)
20 Anxiety disorders	20 Breast cancer	20.7 (-20.9 to 63.2)	<b>48.6 (9.65 to 100)</b>	3.67 (-24.6 to 40.2)
21 Other musculoskeletal	21 Headache disorders			
23 Falls	23 Anxiety disorders			
24 Breast cancer	24 Malaria			
26 Age-related hearing loss	31 Congenital defects			
31 Prostate cancer	45 HIV/AIDS			
49 Alzheimer's disease	161 COVID-19			

### Haiti, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Nature disaster	1 Nature disaster	848 (-99.3 to 15100)	620 (-99.4 to 12000)	640 (-99.4 to 12300)
2 Neonatal disorders	2 Diabetes	<b>107 (55 to 173)</b>	<b>65 (34 to 101)</b>	-2.48 (-20.4 to 23.7)
3 Lower respiratory infect	3 Ischemic heart disease	49.8 (-14.9 to 139)	19.5 (-28.8 to 96.5)	-34.6 (-63.1 to 13)
4 Diarrheal diseases	4 Stroke	25.3 (-14.6 to 74.9)	-0.0951 (-27.3 to 34.3)	<b>-41.3 (-59.1 to -15.3)</b>
5 Ischemic heart disease	5 Neonatal disorders	<b>-45.3 (-64.3 to -20.2)</b>	<b>-56.5 (-68.1 to -41.5)</b>	<b>-32.5 (-48.9 to -8.88)</b>
6 Congenital defects	6 Road injuries	-5.68 (-48.1 to 70.6)	-24.8 (-55.7 to 28)	-22.1 (-53.6 to 33)
7 Stroke	7 Lower respiratory infect	<b>-48.5 (-62.8 to -30.1)</b>	<b>-59 (-69.1 to -46.5)</b>	<b>-54.5 (-65 to -41.4)</b>
8 HIV/AIDS	8 Congenital defects	<b>-41 (-56.6 to -22.2)</b>	<b>-53.1 (-60.6 to -44)</b>	<b>-29 (-38.7 to -17.2)</b>
9 Diabetes	9 Chronic kidney disease	<b>108 (30.7 to 213)</b>	<b>66.2 (10.9 to 160)</b>	11.8 (-27.7 to 73.5)
10 Road injuries	10 Interpersonal violence	-24.6 (-56.7 to 24.7)	-40 (-62.9 to 0.11)	-37.7 (-61.4 to 3.56)
11 Interpersonal violence	11 Diarrheal diseases	<b>-62 (-80.6 to -29.7)</b>	<b>-69.8 (-83.1 to -47.2)</b>	<b>-58.7 (-76.7 to -27.6)</b>
12 Pertussis	12 Cirrhosis liver	32 (-1.94 to 70.4)	5.24 (-14.9 to 33.3)	<b>-29.7 (-42.7 to -12.7)</b>
13 Dietary iron deficiency	13 Hypertensive heart disease	<b>125 (46.2 to 220)</b>	<b>79.4 (25.3 to 152)</b>	-5.55 (-40.6 to 41.7)
14 Asthma	14 Other musculoskeletal	<b>146 (92.3 to 197)</b>	<b>95.6 (73.5 to 117)</b>	<b>54.6 (43.6 to 63.8)</b>
15 Drowning	15 Low back pain	<b>53 (21 to 84.3)</b>	<b>21.9 (13.7 to 30.6)</b>	<b>-5.21 (-5.48 to -4.92)</b>
16 Cirrhosis liver	16 Dietary iron deficiency	0.147 (-19.1 to 22.6)	<b>-20.4 (-24.5 to -16.7)</b>	<b>-13 (-13.7 to -12.3)</b>
17 COVID-19	17 Depressive disorders	<b>44.1 (14.8 to 73.5)</b>	<b>14.7 (8.51 to 22.5)</b>	<b>-2.98 (-3.28 to -2.62)</b>
18 Maternal disorders	18 Headache disorders	<b>33.2 (1.84 to 62.4)</b>	<b>6 (1.03 to 17.9)</b>	-0.0314 (-0.309 to 0.236)
19 Chronic kidney disease	19 Anxiety disorders	<b>36 (9.42 to 64.2)</b>	<b>8.21 (2.46 to 14.4)</b>	<b>0.579 (0.227 to 0.898)</b>
20 Headache disorders	20 COPD	<b>66.2 (11.8 to 135)</b>	32.5 (-2.67 to 80.6)	<b>-32.4 (-52.7 to -3.27)</b>
21 Low back pain	26 Asthma			
23 Depressive disorders	27 HIV/AIDS			
25 Anxiety disorders	31 Drowning			
29 Hypertensive heart disease	34 Pertussis			
31 COPD	46 Maternal disorders			
36 Other musculoskeletal	161 COVID-19			

### Jamaica, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	73.8 (39 to 118)	92.6 (61.3 to 132)	3.51 (-12.5 to 24.3)
2 COVID-19	2 Stroke	17.8 (-9.77 to 54)	30.7 (4.24 to 68)	-32.6 (-46.8 to -8.15)
3 Stroke	3 Chronic kidney disease	97 (34.5 to 186)	118 (50.8 to 217)	25.4 (-13.9 to 87.4)
4 Interpersonal violence	4 Hypertensive heart disease	107 (39.1 to 199)	130 (61 to 227)	19.7 (-17.1 to 76.9)
5 Neonatal disorders	5 Ischemic heart disease	19.1 (-24.6 to 81)	32.2 (-12 to 109)	-33.6 (-57.2 to 8.71)
6 Ischemic heart disease	6 Prostate cancer	93.2 (30.7 to 165)	114 (52.6 to 183)	-1.67 (-24.9 to 24.1)
7 Chronic kidney disease	7 Other musculoskeletal	50.2 (27.5 to 75.8)	66.3 (52 to 79.6)	25.3 (19.4 to 30.1)
8 Low back pain	8 Low back pain	18.7 (0.905 to 36.8)	31.5 (23 to 39.7)	-2.58 (-2.8 to -2.33)
9 Hypertensive heart disease	9 Alzheimer's disease	109 (56.6 to 163)	132 (88.6 to 174)	4.07 (0.84 to 7.25)
10 HIV/AIDS	10 Interpersonal violence	-48.2 (-66.3 to -17.5)	-42.7 (-61.1 to -13.2)	-39.2 (-59.9 to -6.03)
11 Other musculoskeletal	11 Age-related hearing loss	57.2 (30 to 83.7)	74.1 (59 to 89.3)	-0.558 (-0.691 to -0.461)
12 Headache disorders	12 Breast cancer	43.9 (3.2 to 87.5)	59.3 (16.2 to 105)	-4.53 (-28.4 to 20.1)
13 Depressive disorders	13 Lung cancer	58.9 (6.73 to 116)	75.8 (19.1 to 140)	-7.11 (-35 to 20.6)
14 Anxiety disorders	14 Colorectal cancer	70.9 (8.15 to 145)	89.1 (24.7 to 170)	-0.433 (-33.5 to 37.9)
15 Prostate cancer	15 Neonatal disorders	-54.3 (-65.8 to -40.8)	-49.4 (-58.2 to -38.3)	-25.6 (-39.4 to -6.47)
16 Breast cancer	16 Depressive disorders	6.31 (-11.7 to 23.4)	17.7 (9.73 to 27.3)	-1.45 (-1.75 to -1.18)
17 Age-related hearing loss	17 COPD	56.8 (13.4 to 119)	73.8 (32 to 135)	-13.5 (-34.2 to 19.3)
18 Lung cancer	18 Headache disorders	-10.2 (-24.9 to 9.34)	-0.59 (-9.46 to 19.1)	0.0707 (-0.0813 to 0.247)
19 Alzheimer's disease	19 Anxiety disorders	-6.76 (-22.1 to 11.9)	3.21 (-5.04 to 14.2)	0.399 (0.233 to 0.594)
20 Colorectal cancer	20 Osteoarthritis	72.2 (46.1 to 98.2)	90.8 (78.9 to 104)	2.19 (1.92 to 2.49)
22 COPD	39 HIV/AIDS			
29 Osteoarthritis	154 COVID-19			



### Puerto Rico, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	-1.95 (-14 to 13.5)	<b>37.6 (22.8 to 53.9)</b>	-5.19 (-13.1 to 3.55)
2 Ischemic heart disease	2 Chronic kidney disease	<b>39.6 (4.37 to 92.6)</b>	<b>96.2 (45.4 to 162)</b>	8.17 (-15.5 to 45.3)
3 COVID-19	3 Alzheimer's disease	<b>71.7 (39.4 to 102)</b>	<b>141 (108 to 178)</b>	<b>-6.16 (-8.61 to -3.64)</b>
4 Chronic kidney disease	4 Ischemic heart disease	<b>-35.8 (-54.3 to -13.2)</b>	-9.75 (-34 to 21.6)	<b>-51.4 (-63.1 to -33.7)</b>
5 Interpersonal violence	5 COPD	<b>40.5 (10.7 to 73.7)</b>	<b>97.4 (51.9 to 151)</b>	-6.72 (-24.5 to 15.8)
6 Low back pain	6 Age-related hearing loss	<b>18.8 (1.72 to 33.6)</b>	<b>66.7 (53.4 to 84.2)</b>	<b>-0.299 (-0.354 to -0.235)</b>
7 Alzheimer's disease	7 Low back pain	<b>-14.1 (-23.3 to -4.64)</b>	<b>20.5 (15.1 to 26.3)</b>	<b>-2.33 (-2.48 to -2.19)</b>
8 Stroke	8 Endo/metab/blood/immune	19 (-0.802 to 43.9)	<b>67 (43.5 to 94.6)</b>	4.64 (-5.91 to 17.3)
9 COPD	9 Hypertensive heart disease	<b>40.9 (1.25 to 83.8)</b>	<b>98 (41.5 to 162)</b>	5.79 (-19.4 to 39.9)
10 Age-related hearing loss	10 Other musculoskeletal	-3.49 (-15.5 to 7.96)	<b>35.3 (29.5 to 41.3)</b>	<b>18.5 (17.1 to 19.9)</b>
11 Other musculoskeletal	11 Stroke	<b>-25.9 (-37.5 to -11.9)</b>	4.06 (-11.4 to 22.8)	<b>-39.8 (-48.2 to -29.7)</b>
12 Colorectal cancer	12 Colorectal cancer	-0.457 (-31.4 to 33.2)	<b>39.6 (1.21 to 86.6)</b>	-14.9 (-38.4 to 14.8)
13 Cirrhosis liver	13 Osteoarthritis	8.94 (-3.23 to 20.8)	<b>52.9 (43.9 to 62.7)</b>	<b>1.2 (1.01 to 1.38)</b>
14 Endo/metab/blood/immune	14 Lower respiratory infect	11.7 (-13.4 to 39.3)	<b>56.9 (22.3 to 97.7)</b>	<b>-26.3 (-36.8 to -14.1)</b>
15 Headache disorders	15 Falls	3.27 (-15.9 to 23.7)	<b>45 (22.2 to 71.1)</b>	<b>-17.3 (-26.4 to -6.3)</b>
16 Depressive disorders	16 Oral disorders	-0.898 (-12.3 to 11.7)	<b>39 (29.5 to 50.2)</b>	<b>0.207 (0.0546 to 0.357)</b>
17 Anxiety disorders	17 Blindness and vision loss	12.4 (-2.84 to 26.7)	<b>57.8 (45.6 to 74)</b>	<b>-2.69 (-2.83 to -2.52)</b>
18 Osteoarthritis	18 Urinary diseases	<b>66.8 (34.1 to 110)</b>	<b>134 (88.2 to 192)</b>	12.5 (-1.74 to 27)
19 Falls	19 Prostate cancer	22.9 (-9.48 to 58.5)	<b>72.4 (32.6 to 124)</b>	-7.99 (-25 to 9.49)
20 Lower respiratory infect	20 Depressive disorders	<b>-20.7 (-30.9 to -12.1)</b>	<b>11.2 (6.02 to 18.3)</b>	<b>-1.23 (-1.46 to -1.05)</b>
22 Oral disorders	21 Cirrhosis liver			
23 Hypertensive heart disease	25 Anxiety disorders			
26 Blindness and vision loss	26 Headache disorders			
27 Prostate cancer	28 Interpersonal violence			
34 Urinary diseases	153 COVID-19			

### Saint Kitts and Nevis, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>63.6 (26.9 to 107)</b>	<b>85.3 (60.3 to 115)</b>	8.47 (-5.89 to 24.7)
2 Stroke	2 Chronic kidney disease	<b>70.3 (9.66 to 155)</b>	<b>93.1 (31.4 to 181)</b>	0.858 (-32.4 to 53.1)
3 Ischemic heart disease	3 Stroke	-4.53 (-32.5 to 32.2)	8.22 (-18.6 to 42.3)	<b>-50.5 (-63.5 to -29.7)</b>
4 COVID-19	4 Ischemic heart disease	-11.1 (-48.6 to 38.8)	0.788 (-38.9 to 55)	<b>-53.5 (-72.6 to -24.5)</b>
5 Chronic kidney disease	5 Prostate cancer	<b>129 (46.9 to 233)</b>	<b>159 (74.1 to 267)</b>	-0.541 (-29.6 to 29)
6 HIV/AIDS	6 Hypertensive heart disease	<b>106 (33.1 to 201)</b>	<b>133 (59.1 to 227)</b>	3.2 (-31.1 to 56.4)
7 Alcohol use disorders	7 Lower respiratory infect	<b>42.9 (6.3 to 92.7)</b>	<b>61.9 (28.6 to 100)</b>	<b>-32.4 (-45.9 to -13.2)</b>
8 Neonatal disorders	8 Other musculoskeletal	<b>41.7 (14.3 to 74.7)</b>	<b>60.5 (48.2 to 74.3)</b>	<b>29.2 (24.2 to 34.3)</b>
9 Interpersonal violence	9 Alcohol use disorders	-9.47 (-29.5 to 15.3)	2.59 (-11.6 to 21)	-12.9 (-24.4 to 1.29)
10 Depressive disorders	10 Low back pain	9.34 (-10.8 to 33.2)	<b>23.8 (17.2 to 30.4)</b>	<b>-2.79 (-2.99 to -2.61)</b>
11 Low back pain	11 Depressive disorders	-0.117 (-17.9 to 25.6)	<b>13.1 (5.53 to 21.5)</b>	<b>-1.26 (-1.46 to -1.08)</b>
12 Lower respiratory infect	12 Age-related hearing loss	<b>57.8 (28.1 to 92.8)</b>	<b>78.7 (63.4 to 93.6)</b>	<b>-0.607 (-0.733 to -0.45)</b>
13 Other musculoskeletal	13 Alzheimer's disease	<b>178 (109 to 259)</b>	<b>215 (161 to 268)</b>	0.561 (-2.08 to 3.37)
14 Prostate cancer	14 Colorectal cancer	61.7 (-0.97 to 148)	<b>82.8 (13.6 to 170)</b>	-9.57 (-40.6 to 31.3)
15 Headache disorders	15 Breast cancer	33.6 (-10.8 to 89.2)	<b>51.1 (7.9 to 99.7)</b>	-12.6 (-33.9 to 13.9)
16 Cirrhosis liver	16 COPD	<b>83.6 (26.8 to 165)</b>	<b>108 (53 to 182)</b>	-8.92 (-35.2 to 31.7)
17 Hypertensive heart disease	17 Urinary diseases	<b>119 (64 to 189)</b>	<b>148 (99 to 224)</b>	14.8 (-9.78 to 49.6)
18 Anxiety disorders	18 Cirrhosis liver	-6.03 (-26.4 to 18.7)	6.49 (-9.76 to 24.6)	<b>-30.7 (-40.4 to -17.6)</b>
19 Breast cancer	19 Osteoarthritis	<b>55.2 (26.9 to 89)</b>	<b>75.8 (66.3 to 84.7)</b>	<b>2.27 (1.99 to 2.53)</b>
20 Age-related hearing loss	20 Headache disorders	-15.1 (-30 to 5.26)	-3.83 (-9.75 to 9.26)	<b>0.583 (0.339 to 0.767)</b>
21 Colorectal cancer	21 Anxiety disorders			
23 COPD	25 Neonatal disorders			
29 Osteoarthritis	27 HIV/AIDS			
37 Urinary diseases	32 Interpersonal violence			
38 Alzheimer's disease	153 COVID-19			

### Saint Lucia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>58.4 (27 to 92.9)</b>	<b>61.5 (38.9 to 89.2)</b>	5.85 (-7.56 to 23.2)
2 COVID-19	2 Stroke	3.4 (-25.4 to 43.7)	5.55 (-24.1 to 44.3)	<b>-43.6 (-58.6 to -20.5)</b>
3 Stroke	3 Chronic kidney disease	<b>63.4 (1.7 to 141)</b>	<b>66.9 (9.74 to 150)</b>	3.51 (-33.5 to 61.5)
4 Neonatal disorders	4 Hypertensive heart disease	<b>93.3 (29.8 to 184)</b>	<b>97.5 (35.1 to 189)</b>	3.47 (-32.1 to 58.4)
5 Chronic kidney disease	5 Prostate cancer	<b>102 (27.5 to 198)</b>	<b>105 (35.1 to 196)</b>	-6.74 (-31.6 to 22.3)
6 Ischemic heart disease	6 Ischemic heart disease	2.02 (-40.2 to 58.8)	4.25 (-34.2 to 66)	<b>-44.7 (-65.4 to -7.97)</b>
7 Interpersonal violence	7 Other musculoskeletal	<b>60.2 (34.8 to 83)</b>	<b>63.3 (51.9 to 74.5)</b>	<b>35.5 (31.5 to 39.1)</b>
8 Low back pain	8 COPD	<b>61 (16.6 to 115)</b>	<b>64.4 (21 to 128)</b>	-14.5 (-38.3 to 23.1)
9 Hypertensive heart disease	9 Low back pain	<b>17.4 (1.27 to 32.8)</b>	<b>19.7 (13.5 to 26.3)</b>	<b>-3.16 (-3.31 to -2.99)</b>
10 Prostate cancer	10 Alzheimer's disease	<b>133 (83.6 to 182)</b>	<b>137 (99.2 to 172)</b>	<b>-5.83 (-8.35 to -2.91)</b>
11 Depressive disorders	11 Age-related hearing loss	<b>63.4 (35.4 to 90.7)</b>	<b>66.5 (50.7 to 80.4)</b>	<b>-0.723 (-0.816 to -0.638)</b>
12 Other musculoskeletal	12 Lower respiratory infect	30.3 (-0.014 to 68.7)	<b>32.9 (5.35 to 65.6)</b>	<b>-34.6 (-48.6 to -13.2)</b>
13 Road injuries	13 Neonatal disorders	<b>-40.5 (-52.7 to -25.5)</b>	<b>-39.3 (-49.3 to -26.4)</b>	-21.4 (-39.1 to 1.94)
14 COPD	14 Depressive disorders	7.03 (-7.23 to 21.2)	<b>9.11 (4.1 to 15.1)</b>	<b>-1.54 (-1.69 to -1.4)</b>
15 Headache disorders	15 Cirrhosis liver	6.85 (-13.4 to 31.4)	9.03 (-7.68 to 31)	<b>-19.7 (-32.2 to -2.25)</b>
16 Lower respiratory infect	16 Breast cancer	23.7 (-18.8 to 70.6)	25.9 (-14.7 to 73.3)	-14 (-39.3 to 14.6)
17 Cirrhosis liver	17 Osteoarthritis	<b>60.6 (36.7 to 84)</b>	<b>63.7 (52.8 to 74.9)</b>	<b>2.73 (2.43 to 3)</b>
18 Anxiety disorders	18 Headache disorders	-5.59 (-19.4 to 8.62)	-3.73 (-9.12 to 8.73)	<b>0.447 (0.276 to 0.564)</b>
19 Age-related hearing loss	19 Anxiety disorders	-1.14 (-15 to 12.8)	0.799 (-4.75 to 7.51)	<b>0.84 (0.745 to 0.955)</b>
20 Breast cancer	20 Oral disorders	<b>37.3 (15.7 to 56.6)</b>	<b>40 (28.6 to 51.9)</b>	<b>0.681 (0.475 to 0.857)</b>
23 Alzheimer's disease	21 Road injuries			
24 Oral disorders	25 Interpersonal violence			
27 Osteoarthritis	154 COVID-19			

### Saint Vincent and the Grenadines, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	33.5 (8.7 to 61.7)	57.1 (36.4 to 85.8)	7.04 (-6.8 to 26)
2 COVID-19	2 Hypertensive heart disease	65.5 (11.8 to 131)	95 (30.8 to 176)	13.7 (-25.5 to 73.4)
3 Ischemic heart disease	3 Ischemic heart disease	-10.5 (-45.9 to 39.6)	5.45 (-34.6 to 68.5)	-40 (-65.4 to 2.4)
4 Stroke	4 Stroke	-9.95 (-32.1 to 20.8)	6.05 (-17.4 to 41.5)	<b>-36.9 (-53 to -11.2)</b>
5 Hypertensive heart disease	5 Chronic kidney disease	44.3 (-5.26 to 109)	70 (13.7 to 148)	12 (-29.1 to 72.6)
6 Interpersonal violence	6 Prostate cancer	57.6 (1.07 to 126)	85.2 (20 to 160)	-5.95 (-31 to 24.7)
7 Chronic kidney disease	7 Lower respiratory infect	11.5 (-15.3 to 36.2)	31.2 (4.91 to 58.1)	<b>-29.6 (-46.4 to -8.94)</b>
8 Neonatal disorders	8 Other musculoskeletal	49.4 (24.2 to 71.9)	75.6 (63.3 to 89.4)	44.4 (38.9 to 49.8)
9 Lower respiratory infect	9 Low back pain	1.4 (-12.7 to 17)	19.2 (13.4 to 25.6)	<b>-3.07 (-3.26 to -2.85)</b>
10 Prostate cancer	10 Alzheimer's disease	103 (58.3 to 142)	139 (97.4 to 179)	6.32 (3.23 to 9.56)
11 HIV/AIDS	11 Breast cancer	24.1 (-18.4 to 72.8)	45.7 (1.07 to 105)	3.44 (-26.4 to 41.6)
12 Low back pain	12 Age-related hearing loss	32.2 (9.61 to 53)	55.5 (42.4 to 67.2)	<b>-1.04 (-1.23 to -0.835)</b>
13 Depressive disorders	13 Interpersonal violence	<b>-47.4 (-70.7 to -7.36)</b>	-38.2 (-63 to 9.45)	-32.1 (-59.9 to 18.5)
14 Headache disorders	14 Depressive disorders	-5.72 (-19.7 to 8.16)	10.8 (6.14 to 16.5)	<b>-1.52 (-1.77 to -1.25)</b>
15 Other musculoskeletal	15 Endo/metab/blood/immune	16.7 (-9.33 to 42.6)	37.3 (12.1 to 62.3)	5.14 (-15.8 to 29.7)
16 Breast cancer	16 Cirrhosis liver	4.09 (-16.3 to 28.4)	22.5 (0.884 to 50.4)	-2.69 (-18.9 to 19.2)
17 Cirrhosis liver	17 Colorectal cancer	45.9 (-12.1 to 113)	71.4 (7.86 to 154)	6.23 (-30.1 to 55.7)
18 Anxiety disorders	18 Neonatal disorders	<b>-46.7 (-59 to -32.1)</b>	<b>-37.4 (-47.6 to -24.8)</b>	<b>-26 (-39.2 to -7.76)</b>
19 Alcohol use disorders	19 Headache disorders	<b>-14.7 (-28.6 to -0.283)</b>	0.268 (-4.99 to 12.5)	1.06 (0.694 to 1.22)
20 Age-related hearing loss	20 Falls	20.2 (-8.48 to 49)	41.3 (14.3 to 66.7)	-4.82 (-19.2 to 11.8)
21 Endo/metab/blood/immune	21 Alcohol use disorders			
23 Falls	22 Anxiety disorders			
24 Colorectal cancer	47 HIV/AIDS			
29 Alzheimer's disease	154 COVID-19			

### Suriname, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>68.6 (39.6 to 99.6)</b>	<b>48.7 (30.6 to 72.1)</b>	9.31 (-3.28 to 23.7)
2 COVID-19	2 Ischemic heart disease	7.28 (-36.4 to 64.4)	-5.16 (-44.3 to 49.8)	<b>-39.4 (-63.9 to -0.297)</b>
3 Ischemic heart disease	3 Stroke	6.27 (-20.1 to 43.1)	-6.19 (-28.3 to 24.2)	<b>-40 (-55 to -19.1)</b>
4 Stroke	4 Chronic kidney disease	<b>86.8 (23.1 to 160)</b>	<b>65 (10.8 to 137)</b>	16.1 (-22.4 to 73.9)
5 Neonatal disorders	5 Neonatal disorders	<b>-39.9 (-53.5 to -21)</b>	<b>-47.1 (-58.9 to -29.7)</b>	<b>-32.1 (-47.7 to -11.1)</b>
6 Chronic kidney disease	6 Self-harm	0.923 (-25.1 to 28)	-11 (-33 to 15.7)	-11.2 (-34.2 to 15.8)
7 Self-harm	7 Depressive disorders	<b>22.1 (3.58 to 39.3)</b>	<b>7.53 (3.76 to 12.4)</b>	<b>-1.98 (-2.26 to -1.76)</b>
8 Road injuries	8 Other musculoskeletal	<b>81.1 (54.3 to 110)</b>	<b>59.5 (49.6 to 71.3)</b>	<b>37.1 (31.9 to 42.4)</b>
9 Depressive disorders	9 Low back pain	<b>30.1 (11.8 to 47.8)</b>	<b>14.6 (8.51 to 21.5)</b>	<b>-3.62 (-3.85 to -3.32)</b>
10 HIV/AIDS	10 Road injuries	-0.526 (-41 to 58.8)	-12 (-47.7 to 44.1)	-9.94 (-46.7 to 49.8)
11 Lower respiratory infect	11 Hypertensive heart disease	<b>99.5 (35.9 to 179)</b>	<b>76.3 (17.1 to 152)</b>	8.46 (-26.9 to 59.6)
12 Low back pain	12 Alzheimer's disease	<b>192 (107 to 269)</b>	<b>157 (97.2 to 220)</b>	0.414 (-2.38 to 3.3)
13 Cirrhosis liver	13 Lower respiratory infect	15.4 (-12 to 45.7)	1.78 (-23.5 to 30.5)	<b>-38.7 (-51.8 to -22.3)</b>
14 Congenital defects	14 Age-related hearing loss	<b>76 (42.3 to 105)</b>	<b>55 (36.3 to 73)</b>	<b>-0.677 (-0.807 to -0.559)</b>
15 Headache disorders	15 Cirrhosis liver	13.8 (-6.46 to 38.1)	0.315 (-15.9 to 18.1)	<b>-18.4 (-31.5 to -4.19)</b>
16 Interpersonal violence	16 Headache disorders	13.1 (-3.46 to 32.4)	-0.448 (-4.16 to 8.72)	0.0415 (-0.131 to 0.228)
17 Other musculoskeletal	17 COPD	<b>74.1 (24 to 147)</b>	<b>53.7 (9.41 to 108)</b>	-10.9 (-35.6 to 27.5)
18 Anxiety disorders	18 Prostate cancer	<b>129 (37 to 234)</b>	<b>101 (24.4 to 196)</b>	3.93 (-26.2 to 36.9)
19 Hypertensive heart disease	19 Colorectal cancer	67.8 (-0.724 to 159)	47.4 (-8.77 to 120)	-2.01 (-35.6 to 40.2)
20 Age-related hearing loss	20 Anxiety disorders	16.2 (-1.13 to 32.1)	2.32 (-1.6 to 7.01)	<b>0.42 (0.202 to 0.661)</b>
23 COPD	29 HIV/AIDS			
24 Colorectal cancer	30 Congenital defects			
30 Alzheimer's disease	34 Interpersonal violence			
35 Prostate cancer	160 COVID-19			

### Trinidad and Tobago, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	14 (-8.91 to 41.4)	<b>56 (31.8 to 85)</b>	-7.1 (-19.1 to 7.45)
2 COVID-19	2 Ischemic heart disease	-22.3 (-47.5 to 18.1)	6.35 (-28.6 to 58.6)	<b>-47.1 (-64.9 to -21.7)</b>
3 Ischemic heart disease	3 Chronic kidney disease	40.6 (-2.3 to 99.3)	<b>92.5 (39.2 to 166)</b>	8.78 (-21.6 to 53.9)
4 Stroke	4 Stroke	-16.3 (-35.9 to 7.37)	14.5 (-6.77 to 43.5)	<b>-43.1 (-53.6 to -29.6)</b>
5 Interpersonal violence	5 Alzheimer's disease	<b>133 (77.5 to 200)</b>	<b>218 (149 to 291)</b>	<b>-4.91 (-7.52 to -1.95)</b>
6 Chronic kidney disease	6 Prostate cancer	<b>59.9 (7.72 to 134)</b>	<b>118 (48 to 204)</b>	-8.92 (-31.1 to 16.6)
7 Neonatal disorders	7 Hypertensive heart disease	<b>66.4 (15.6 to 132)</b>	<b>128 (56.3 to 215)</b>	10.9 (-21.1 to 54.9)
8 Low back pain	8 Age-related hearing loss	<b>38 (11 to 67.9)</b>	<b>88.8 (67.5 to 110)</b>	<b>-0.533 (-0.62 to -0.441)</b>
9 Road injuries	9 Other musculoskeletal	12.5 (-7.5 to 35.4)	<b>53.8 (42.7 to 65.4)</b>	<b>23.4 (19.6 to 27.1)</b>
10 Depressive disorders	10 Low back pain	-7.68 (-22.9 to 9.25)	<b>26.3 (18.6 to 35.1)</b>	<b>-2.06 (-2.26 to -1.81)</b>
11 HIV/AIDS	11 Depressive disorders	<b>-19.1 (-33.5 to -2.63)</b>	<b>10.6 (3.54 to 19.1)</b>	<b>-0.917 (-1.11 to -0.734)</b>
12 Other musculoskeletal	12 Colorectal cancer	18.5 (-23.2 to 71.9)	<b>61.8 (6.48 to 127)</b>	-12.4 (-38.8 to 18)
13 Self-harm	13 Lower respiratory infect	13.8 (-13.9 to 50.2)	<b>55.6 (21.1 to 96.1)</b>	<b>-30.1 (-41.6 to -16.2)</b>
14 Headache disorders	14 Interpersonal violence	<b>-64.2 (-80 to -36.3)</b>	<b>-51.3 (-70.1 to -19.2)</b>	-36.8 (-64.7 to 15.4)
15 Prostate cancer	15 COPD	<b>47.7 (6.4 to 97.4)</b>	<b>102 (52 to 164)</b>	-8.95 (-29.4 to 15.1)
16 Age-related hearing loss	16 Breast cancer	-5.61 (-33.8 to 29.1)	28.9 (-5.29 to 61.3)	-16.5 (-37.1 to 2.15)
17 Breast cancer	17 Endo/metab/blood/immune	4.77 (-15.6 to 30.8)	<b>43.3 (23.2 to 66.3)</b>	3.33 (-11 to 19.9)
18 Hypertensive heart disease	18 Osteoarthritis	<b>31.7 (11.6 to 57.2)</b>	<b>80.2 (66 to 94.3)</b>	<b>1.87 (1.6 to 2.17)</b>
19 Congenital defects	19 Road injuries	<b>-40.2 (-61.9 to -6)</b>	-18.3 (-46.4 to 16.2)	-6.14 (-42 to 39.9)
20 Anxiety disorders	20 Neonatal disorders	<b>-57 (-66.5 to -45.7)</b>	<b>-41.4 (-49.1 to -31.9)</b>	<b>-23.4 (-34.5 to -9.52)</b>
21 Lower respiratory infect	22 Headache disorders			
22 Colorectal cancer	26 Anxiety disorders			
23 Endo/metab/blood/immune	27 Self-harm			
24 Alzheimer's disease	35 Congenital defects			
26 Osteoarthritis	43 HIV/AIDS			
30 COPD	156 COVID-19			

### Virgin Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	6.36 (-10.1 to 23.2)	<b>37.4 (21.9 to 55.6)</b>	<b>9.99 (1.19 to 18.8)</b>
2 Ischemic heart disease	2 Ischemic heart disease	-10.4 (-45 to 45.6)	15.8 (-28.6 to 87.3)	<b>-44.8 (-63.4 to -17.2)</b>
3 Diabetes	3 Alzheimer's disease	<b>124 (82.2 to 172)</b>	<b>189 (134 to 248)</b>	<b>4.85 (1.68 to 7.74)</b>
4 Interpersonal violence	4 Chronic kidney disease	<b>63.8 (14.7 to 144)</b>	<b>112 (43.5 to 224)</b>	19.1 (-15.9 to 77.2)
5 Stroke	5 Stroke	-11.7 (-32.8 to 14.5)	14.1 (-11.1 to 45.3)	<b>-34.5 (-47.4 to -19.4)</b>
6 Low back pain	6 Hypertensive heart disease	<b>74.5 (15.7 to 149)</b>	<b>126 (51.7 to 226)</b>	15.8 (-19.4 to 60.1)
7 Chronic kidney disease	7 Prostate cancer	<b>63.2 (2.98 to 143)</b>	<b>111 (40.1 to 203)</b>	1.69 (-22.4 to 27.2)
8 Age-related hearing loss	8 Age-related hearing loss	<b>16.7 (0.913 to 31.3)</b>	<b>50.8 (34 to 68.5)</b>	<b>-0.472 (-0.551 to -0.389)</b>
9 Other musculoskeletal	9 Low back pain	<b>-16.7 (-27.4 to -5.8)</b>	<b>7.54 (0.68 to 15.3)</b>	<b>-2.01 (-2.28 to -1.74)</b>
10 Depressive disorders	10 Lower respiratory infect	<b>68.1 (27.7 to 120)</b>	<b>117 (65.3 to 183)</b>	-16 (-30.5 to 0.804)
11 Road injuries	11 Other musculoskeletal	0.4 (-13.2 to 13.5)	<b>29.6 (20.6 to 40.9)</b>	<b>22.1 (19.3 to 24.2)</b>
12 Alzheimer's disease	12 Colorectal cancer	19.8 (-24.1 to 77.1)	54.6 (-2.45 to 127)	-7.45 (-38.8 to 26.7)
13 Lung cancer	13 Interpersonal violence	<b>-59.2 (-78.5 to -22.3)</b>	<b>-47.5 (-71.5 to -0.488)</b>	<b>-44 (-72.5 to 8.74)</b>
14 Colorectal cancer	14 Lung cancer	4.27 (-25.8 to 39.4)	34.5 (-2.2 to 77)	-3.71 (-28.9 to 22.5)
15 Hypertensive heart disease	15 COPD	<b>59.6 (11.7 to 130)</b>	<b>106 (49.3 to 185)</b>	1.22 (-23.9 to 35.4)
16 Prostate cancer	16 Atrial fibrillation	<b>149 (85.4 to 234)</b>	<b>221 (149 to 321)</b>	<b>12.4 (0.528 to 27.5)</b>
17 Breast cancer	17 Breast cancer	-0.933 (-30 to 31.3)	27.8 (-5.87 to 64)	-8.39 (-29.2 to 12.8)
18 Headache disorders	18 Osteoarthritis	-1.35 (-13.2 to 9.41)	<b>27.5 (18.1 to 39)</b>	<b>1.89 (1.66 to 2.15)</b>
19 Osteoarthritis	19 Depressive disorders	<b>-19.4 (-30.7 to -8.51)</b>	3.97 (-0.857 to 8.91)	<b>-1.16 (-1.44 to -0.874)</b>
20 Cirrhosis liver	20 Blindness and vision loss	9.05 (-6.01 to 22.7)	<b>40.9 (24.4 to 56.7)</b>	<b>-2.76 (-3.07 to -2.37)</b>
23 Lower respiratory infect	22 Road injuries			
25 Blindness and vision loss	25 Headache disorders			
28 COPD	26 Cirrhosis liver			
37 Atrial fibrillation	156 COVID-19			

### Colombia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	137 (109 to 164)	109 (89.4 to 130)	32.5 (22 to 43)
2 Interpersonal violence	2 Ischemic heart disease	30.1 (-15.8 to 92.8)	15.2 (-26.4 to 75.4)	-44.8 (-65.2 to -13.6)
3 COVID-19	3 Other musculoskeletal	96.5 (76.3 to 116)	73.7 (62.8 to 85)	37.9 (34.6 to 41.2)
4 Low back pain	4 COPD	126 (71.4 to 187)	99.6 (50.3 to 157)	-16.7 (-38.7 to 14.6)
5 Diabetes	5 Low back pain	33.9 (20.2 to 47.3)	18.3 (12.1 to 25.1)	-4.52 (-4.7 to -4.33)
6 Other musculoskeletal	6 Alzheimer's disease	205 (154 to 263)	169 (128 to 209)	-4.53 (-7.67 to -1.46)
7 Road injuries	7 Stroke	25.2 (0.45 to 54.4)	10.8 (-11.5 to 39.3)	-40.9 (-53.3 to -24)
8 Neonatal disorders	8 Age-related hearing loss	96.8 (73.6 to 121)	73.9 (57.7 to 88.3)	-0.627 (-0.747 to -0.51)
9 Stroke	9 Interpersonal violence	-45.1 (-68.2 to -11)	-51.6 (-70.3 to -21)	-44.5 (-66.9 to -4.56)
10 COPD	10 Chronic kidney disease	132 (66.1 to 230)	105 (41.2 to 188)	5.83 (-25.9 to 56.1)
11 Headache disorders	11 Blindness and vision loss	84.1 (62.8 to 107)	62.7 (47.7 to 76.3)	-5 (-5.3 to -4.68)
12 Anxiety disorders	12 Road injuries	-11.9 (-41.4 to 25.1)	-22.1 (-45.5 to 13.8)	-21.9 (-47.3 to 14.3)
13 Lower respiratory infect	13 Headache disorders	11.6 (-1.67 to 26.1)	-1.44 (-7.63 to 12.4)	-0.355 (-0.591 to -0.0899)
14 Age-related hearing loss	14 Anxiety disorders	14.5 (0.578 to 29.8)	1.1 (-5.25 to 8.48)	0.412 (0.181 to 0.658)
15 Congenital defects	15 Osteoarthritis	98.9 (79.4 to 119)	75.8 (62.9 to 87.5)	2.36 (1.96 to 2.73)
16 Alzheimer's disease	16 Lower respiratory infect	15.8 (-8.63 to 44)	2.49 (-19.8 to 29.1)	-39.5 (-50.7 to -24.5)
17 Depressive disorders	17 Oral disorders	64 (47.2 to 81.6)	44.9 (33.9 to 55.9)	0.316 (0.0465 to 0.629)
18 Blindness and vision loss	18 Colorectal cancer	83.1 (15.6 to 174)	61.6 (7.31 to 128)	-6.74 (-38.5 to 34)
19 Stomach cancer	19 Depressive disorders	30.6 (16.5 to 44.4)	15.4 (9.96 to 21.8)	-1.86 (-2.08 to -1.62)
20 Chronic kidney disease	20 Falls	52.2 (30.1 to 75.5)	34.5 (18.4 to 52.6)	-9.3 (-18.8 to 1.71)
21 Oral disorders	22 Neonatal disorders			
23 Falls	26 Stomach cancer			
26 Osteoarthritis	39 Congenital defects			
27 Colorectal cancer	158 COVID-19			



### Costa Rica, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	99.1 (69.4 to 125)	88.5 (74.3 to 105)	14.5 (5.46 to 23.1)
2 Diabetes	2 Other musculoskeletal	71.3 (49.3 to 92.3)	62.1 (55 to 71.1)	29.9 (27.4 to 32.4)
3 COVID-19	3 Chronic kidney disease	99.1 (41.3 to 176)	88.4 (34.3 to 160)	0.722 (-29.7 to 42.2)
4 Road injuries	4 Ischemic heart disease	8.28 (-30.1 to 62)	2.5 (-32.6 to 50.2)	-49.2 (-66.6 to -24.8)
5 Low back pain	5 Alzheimer's disease	198 (153 to 253)	182 (150 to 215)	-1.76 (-4.39 to 0.755)
6 Other musculoskeletal	6 Low back pain	29.5 (12.9 to 45.1)	22.6 (16.9 to 29)	-3.58 (-3.72 to -3.42)
7 Chronic kidney disease	7 COPD	133 (64.4 to 208)	121 (64.1 to 188)	-11 (-35.4 to 17.4)
8 Interpersonal violence	8 Road injuries	-4.35 (-34.7 to 40.5)	-9.49 (-36.9 to 30.5)	-6.38 (-36.2 to 35.2)
9 Stroke	9 Age-related hearing loss	88.7 (63.8 to 115)	78.6 (67 to 90)	-0.603 (-0.695 to -0.52)
10 Depressive disorders	10 Stroke	26.7 (-1.77 to 56.7)	19.9 (-2.92 to 47.5)	-40.3 (-52.3 to -26.1)
11 Headache disorders	11 Depressive disorders	22.7 (5.86 to 39.6)	16.1 (9.75 to 23.4)	-1.99 (-2.25 to -1.73)
12 Neonatal disorders	12 Falls	69.8 (41.6 to 101)	60.8 (39.9 to 84.8)	-7.74 (-17.3 to 3.7)
13 Cirrhosis liver	13 Colorectal cancer	73.9 (15.6 to 159)	64.6 (8 to 132)	-8.02 (-37.7 to 29.4)
14 Anxiety disorders	14 Cirrhosis liver	33.1 (11.7 to 55.2)	26 (11 to 41.2)	-15.6 (-26.4 to -4.9)
15 Congenital defects	15 Blindness and vision loss	78.9 (54.1 to 104)	69.4 (56.9 to 81.3)	-4.01 (-4.28 to -3.71)
16 Age-related hearing loss	16 Headache disorders	3.93 (-9.14 to 22.7)	-1.63 (-8.39 to 13.4)	-0.498 (-0.744 to -0.197)
17 Self-harm	17 Lower respiratory infect	43 (14.6 to 75.1)	35.4 (11 to 60.4)	-32.4 (-43.2 to -19)
18 Falls	18 Osteoarthritis	90.6 (66.5 to 114)	80.4 (74 to 87.4)	2.39 (2.14 to 2.64)
19 Stomach cancer	19 Oral disorders	56.8 (34.4 to 77.7)	48.4 (38.2 to 58.4)	0.548 (0.379 to 0.736)
20 COPD	20 Anxiety disorders	6.25 (-8.47 to 22)	0.584 (-6.24 to 8.55)	0.056 (-0.184 to 0.295)
21 Colorectal cancer	21 Stomach cancer			
22 Alzheimer's disease	25 Self-harm			
23 Lower respiratory infect	26 Interpersonal violence			
24 Oral disorders	31 Neonatal disorders			
25 Blindness and vision loss	35 Congenital defects			
28 Osteoarthritis	158 COVID-19			

### El Salvador, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Interpersonal violence	1 Chronic kidney disease	79.1 (20.6 to 145)	120 (47.5 to 204)	21.7 (-20.5 to 74.3)
2 Ischemic heart disease	2 Diabetes	54.9 (22.6 to 93.9)	90.2 (59.1 to 132)	5.47 (-9.61 to 23.5)
3 Chronic kidney disease	3 Ischemic heart disease	15.9 (-27 to 77.1)	42.5 (-10.6 to 114)	-29.2 (-57.7 to 13.8)
4 COVID-19	4 Interpersonal violence	-49.7 (-73.4 to -10.8)	-38.9 (-64.1 to 5.89)	-32.8 (-62.9 to 17.9)
5 Diabetes	5 Other musculoskeletal	62.3 (26.1 to 94.5)	98.7 (82.3 to 117)	45.8 (42.8 to 48.8)
6 Road injuries	6 Alcohol use disorders	-1.96 (-30.9 to 26.9)	19.8 (3.99 to 37.7)	1 (-10.9 to 15.1)
7 Alcohol use disorders	7 Low back pain	4.44 (-19.3 to 25)	27.9 (17.7 to 39.3)	-5.25 (-5.54 to -4.91)
8 Low back pain	8 Alzheimer's disease	115 (60 to 170)	164 (112 to 223)	8.36 (5.29 to 11.6)
9 Neonatal disorders	9 Stroke	9.48 (-19 to 43.6)	34.5 (4.3 to 71.4)	-30 (-45 to -8.82)
10 Lower respiratory infect	10 Lower respiratory infect	-2.27 (-26.9 to 30.1)	20 (-5.89 to 54.7)	-29.5 (-44.9 to -9.57)
11 Stroke	11 Cirrhosis liver	6.26 (-18.9 to 31.5)	30.3 (9.58 to 52.3)	-15.4 (-26.6 to -3.55)
12 Cirrhosis liver	12 Road injuries	-27.1 (-56.2 to 17)	-10.8 (-44.2 to 44.1)	-21.8 (-54.1 to 31)
13 Other musculoskeletal	13 COPD	74.1 (25.2 to 132)	114 (60 to 183)	-3.09 (-30.7 to 31.1)
14 Depressive disorders	14 Age-related hearing loss	47.7 (16.8 to 76.1)	81.2 (61.5 to 105)	-0.793 (-0.943 to -0.632)
15 Headache disorders	15 Depressive disorders	-3.88 (-25.9 to 18.2)	17.6 (9.63 to 28.2)	-3.27 (-3.67 to -2.84)
16 Congenital defects	16 Blindness and vision loss	36.1 (7.16 to 62.8)	66.9 (48.5 to 88.6)	-5.76 (-6.11 to -5.35)
17 Anxiety disorders	17 Headache disorders	-16 (-39.5 to 4.38)	2.66 (-5.78 to 21.7)	-1.13 (-1.71 to -0.585)
18 Self-harm	18 Falls	19.9 (-8.36 to 49.1)	47 (25.4 to 73.7)	-6.63 (-16.8 to 5.29)
19 Age-related hearing loss	19 Anxiety disorders	-14.7 (-38 to 6)	4.28 (-3.57 to 13.8)	-0.226 (-0.701 to 0.222)
20 Stomach cancer	20 Oral disorders	28.7 (1.06 to 56.1)	57.8 (42.8 to 74.3)	0.579 (0.229 to 0.86)
21 Falls	22 Stomach cancer			
22 Alzheimer's disease	24 Neonatal disorders			
23 Blindness and vision loss	27 Self-harm			
24 COPD	38 Congenital defects			
25 Oral disorders	160 COVID-19			

### Guatemala, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Diabetes	106 (75.9 to 141)	71.9 (46.2 to 99.4)	-1.85 (-15.4 to 12.8)
2 Diabetes	2 Chronic kidney disease	163 (84.8 to 272)	119 (55.3 to 208)	28 (-12.4 to 84)
3 Neonatal disorders	3 Ischemic heart disease	66.4 (6.91 to 149)	38.6 (-8.91 to 110)	-31.6 (-58.5 to 12.6)
4 Interpersonal violence	4 Lower respiratory infect	-29.3 (-42.7 to -15.3)	-41.1 (-51.4 to -27.6)	-50.8 (-59.5 to -40.6)
5 Ischemic heart disease	5 Other musculoskeletal	158 (129 to 188)	115 (101 to 131)	57.3 (53.9 to 60.3)
6 Cirrhosis liver	6 Cirrhosis liver	30.6 (9.7 to 51.2)	8.68 (-4.94 to 24.3)	-29.5 (-37.9 to -19.7)
7 Chronic kidney disease	7 Low back pain	50.4 (32.2 to 68.6)	25.1 (17.4 to 34.7)	-5.31 (-5.48 to -5.13)
8 Diarrheal diseases	8 Interpersonal violence	-25.1 (-57.5 to 44.3)	-37.8 (-64.9 to 14.6)	-36.7 (-64.6 to 20.6)
9 Congenital defects	9 Alcohol use disorders	39.8 (17.9 to 64.8)	16.3 (3.1 to 33.3)	-6.3 (-16.1 to 5.66)
10 Road injuries	10 Depressive disorders	48.4 (28.4 to 66.2)	23.5 (15.8 to 33.3)	-2.98 (-3.3 to -2.68)
11 Low back pain	11 Stroke	38.6 (11.6 to 73)	15.3 (-8.93 to 42.1)	-38.3 (-53 to -21.3)
12 COVID-19	12 Neonatal disorders	-49.9 (-60.7 to -35.8)	-58.4 (-65.9 to -48.9)	-37.6 (-48.5 to -23.9)
13 Alcohol use disorders	13 Road injuries	-15.9 (-49.7 to 33.6)	-30 (-56.5 to 12.5)	-33.7 (-59.4 to 7.68)
14 Stroke	14 Headache disorders	28.2 (9.64 to 51.3)	6.57 (-0.903 to 25.7)	-0.163 (-0.379 to 0.101)
15 Depressive disorders	15 Falls	47.9 (23.6 to 74.7)	23 (4.48 to 41.3)	-13.2 (-23.8 to -2.38)
16 Other musculoskeletal	16 Age-related hearing loss	104 (82.1 to 128)	69.8 (54.9 to 83.9)	-1.02 (-1.13 to -0.897)
17 Headache disorders	17 Anxiety disorders	27.6 (10.6 to 47.7)	6.07 (-1.74 to 14.8)	0.576 (0.361 to 0.817)
18 Anxiety disorders	18 Alzheimer's disease	189 (139 to 243)	140 (101 to 180)	-4.12 (-6.66 to -1.1)
19 Mechanical forces	19 Blindness and vision loss	89.3 (67.1 to 114)	57.6 (44.4 to 70.2)	-6.75 (-7.25 to -6.28)
20 Falls	20 Stomach cancer	25 (7.47 to 45.7)	4.07 (-9.41 to 17.6)	-42.3 (-48.2 to -36.8)
21 Stomach cancer	22 Congenital defects			
23 Age-related hearing loss	23 Mechanical forces			
24 Blindness and vision loss	26 Diarrheal diseases			
34 Alzheimer's disease	158 COVID-19			

### Honduras, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Interpersonal violence	1 Ischemic heart disease	57.7 (-1.7 to 140)	20.4 (-23.2 to 79.6)	-33.8 (-62.5 to 7.27)
2 Ischemic heart disease	2 Diabetes	149 (108 to 189)	90 (65.6 to 117)	10.4 (-1.83 to 24.2)
3 COVID-19	3 Stroke	42.6 (8.11 to 83.8)	8.77 (-16.4 to 39.4)	-38.3 (-54.9 to -17)
4 Stroke	4 Interpersonal violence	-9.74 (-40.6 to 47.8)	-31.2 (-51.6 to 16)	-37.4 (-57 to 6.17)
5 Neonatal disorders	5 Other musculoskeletal	169 (132 to 204)	105 (88.5 to 123)	49.4 (44.8 to 53.4)
6 Diabetes	6 Low back pain	62.2 (42.3 to 85)	23.7 (14.9 to 31)	-5.38 (-5.65 to -5.12)
7 Low back pain	7 COPD	86.7 (40.1 to 152)	42.5 (7.42 to 88.2)	-22.8 (-46.7 to 8.05)
8 Road injuries	8 Chronic kidney disease	173 (84.9 to 289)	108 (45.6 to 203)	22.3 (-19.3 to 82)
9 Congenital defects	9 Cirrhosis liver	53.6 (26.9 to 80.6)	17.3 (-1.16 to 39.5)	-28.2 (-38.2 to -17.4)
10 Lower respiratory infect	10 Road injuries	28.5 (-22.2 to 113)	-1.9 (-41.6 to 63.3)	-22.4 (-53.3 to 27.9)
11 Cirrhosis liver	11 Neonatal disorders	-34.8 (-51.1 to -18.5)	-50.4 (-59.2 to -40)	-31.8 (-43.7 to -17.4)
12 Nature disaster	12 Depressive disorders	63.8 (40.4 to 88.1)	24.9 (15.9 to 34.7)	-3.13 (-3.56 to -2.66)
13 Other musculoskeletal	13 Headache disorders	41.2 (20.9 to 67.9)	7.66 (0.592 to 23.8)	-0.733 (-1.14 to -0.281)
14 COPD	14 Hypertensive heart disease	135 (63.3 to 230)	79.7 (23.7 to 149)	-4.37 (-36.6 to 37.8)
15 Headache disorders	15 Lung cancer	131 (58.9 to 216)	76 (25.6 to 138)	-2.06 (-28.1 to 32.3)
16 Diarrheal diseases	16 Lower respiratory infect	0.993 (-23 to 31.4)	-23 (-38.2 to -0.084)	-39 (-51.1 to -24.6)
17 Depressive disorders	17 Anxiety disorders	40 (17.4 to 61.7)	6.7 (-0.51 to 15.7)	0.102 (-0.261 to 0.463)
18 Anxiety disorders	18 Alcohol use disorders	81 (50.2 to 108)	38.1 (23.3 to 55.8)	0.866 (-8.38 to 10.3)
19 Chronic kidney disease	19 Age-related hearing loss	106 (77.6 to 136)	56.8 (42.1 to 70.4)	-0.907 (-1.07 to -0.786)
20 Alcohol use disorders	20 Nature disaster	780 (-99.2 to 15300)	573 (-99.4 to 11600)	617 (-99.4 to 12700)
21 Hypertensive heart disease	24 Congenital defects			
22 Lung cancer	28 Diarrheal diseases			
24 Age-related hearing loss	158 COVID-19			

### Mexico, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	76.3 (53.8 to 101)	55.3 (35.5 to 76.8)	-1.29 (-13.6 to 11.9)
2 COVID-19	2 Chronic kidney disease	111 (55.1 to 180)	86.4 (40.8 to 146)	17.1 (-16.9 to 57.2)
3 Ischemic heart disease	3 Ischemic heart disease	29.2 (-8.34 to 79.1)	13.9 (-21.5 to 59.3)	<b>-39 (-60.9 to -8.08)</b>
4 Interpersonal violence	4 Cirrhosis liver	54.3 (36.6 to 73.7)	35.9 (21.2 to 51)	-1.22 (-12.5 to 11)
5 Chronic kidney disease	5 Other musculoskeletal	96.2 (80.4 to 114)	72.8 (65.2 to 81.8)	37.5 (35 to 40.3)
6 Cirrhosis liver	6 Interpersonal violence	-29.5 (-59.1 to 17.7)	-38.1 (-62.9 to 4.73)	-35 (-62.4 to 11.1)
7 Neonatal disorders	7 Low back pain	35.3 (24.3 to 46.9)	19.1 (14.2 to 24.1)	<b>-3.88 (-4.2 to -3.61)</b>
8 Other musculoskeletal	8 COPD	107 (64 to 156)	82.1 (42.1 to 127)	-13.8 (-37.6 to 17.1)
9 Low back pain	9 Stroke	28.9 (9.2 to 52.9)	13.5 (-3.1 to 34.7)	<b>-35 (-47.3 to -20.4)</b>
10 Road injuries	10 Road injuries	9.38 (-25.1 to 58.2)	-3.53 (-36.1 to 43.8)	-8.57 (-40.3 to 34.7)
11 Lower respiratory infect	11 Depressive disorders	28.6 (17.9 to 39.7)	13.2 (9.27 to 17.9)	<b>-2.27 (-2.46 to -2.04)</b>
12 Stroke	12 Lower respiratory infect	20.5 (1.99 to 40.9)	6.14 (-9.82 to 24.1)	<b>-33.9 (-46 to -22.1)</b>
13 Congenital defects	13 Falls	75.7 (50 to 107)	54.6 (37.2 to 73.6)	9.46 (-2.2 to 22.7)
14 Depressive disorders	14 Age-related hearing loss	84.9 (66.3 to 105)	62.8 (52.2 to 75)	<b>-0.797 (-0.934 to -0.641)</b>
15 Headache disorders	15 Alzheimer's disease	188 (139 to 239)	153 (116 to 192)	3.43 (-0.00453 to 6.3)
16 COPD	16 Headache disorders	16.3 (5.03 to 31.4)	2.37 (-2.64 to 16.2)	0.0513 (-0.165 to 0.275)
17 Falls	17 Neonatal disorders	<b>-35.6 (-46.1 to -24.6)</b>	<b>-43.3 (-52.3 to -33.5)</b>	<b>-27.9 (-39.7 to -15.8)</b>
18 Anxiety disorders	18 Oral disorders	62.9 (47.9 to 77.4)	43.5 (34.1 to 52)	0.906 (0.572 to 1.28)
19 Age-related hearing loss	19 Urinary diseases	127 (96.2 to 165)	100 (73.5 to 129)	15.1 (-1.79 to 34.7)
20 Self-harm	20 Blindness and vision loss	73.7 (55 to 94.1)	52.9 (42.2 to 63.7)	<b>-4.77 (-5.12 to -4.38)</b>
21 Oral disorders	22 Anxiety disorders			
23 Blindness and vision loss	27 Congenital defects			
27 Alzheimer's disease	28 Self-harm			
28 Urinary diseases	159 COVID-19			

### Nicaragua, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Chronic kidney disease	178 (81.8 to 312)	144 (62.5 to 247)	29.7 (-11.9 to 91.6)
2 Diabetes	2 Diabetes	157 (111 to 215)	125 (96.7 to 153)	17.7 (5.16 to 31.3)
3 Chronic kidney disease	3 Ischemic heart disease	109 (27.7 to 226)	83.1 (17.9 to 175)	-24.8 (-54.3 to 22.5)
4 Ischemic heart disease	4 Other musculoskeletal	125 (85.4 to 169)	97.5 (82.1 to 114)	44.5 (41.1 to 48.1)
5 Low back pain	5 Low back pain	45.6 (18.4 to 74.6)	27.5 (19 to 36.7)	-4.88 (-5.06 to -4.66)
6 Other musculoskeletal	6 Stroke	77.6 (33.4 to 138)	55.4 (23.7 to 93.4)	-30.1 (-44.9 to -10.4)
7 Congenital defects	7 Cirrhosis liver	59.6 (26.9 to 97.1)	39.7 (21.3 to 59.3)	-13.5 (-24.4 to -2.79)
8 Lower respiratory infect	8 Alzheimer's disease	312 (225 to 398)	261 (205 to 322)	15.2 (11.4 to 18.3)
9 Cirrhosis liver	9 Depressive disorders	36.2 (12.3 to 62.2)	19.2 (11.6 to 28.1)	-2.65 (-2.94 to -2.38)
10 Headache disorders	10 COPD	180 (101 to 278)	146 (85.3 to 212)	-7.3 (-34.6 to 28.7)
11 Road injuries	11 Age-related hearing loss	117 (77 to 154)	90.1 (71.8 to 109)	-0.678 (-0.801 to -0.553)
12 Depressive disorders	12 Neonatal disorders	-45.5 (-59.6 to -27.8)	-52.4 (-61 to -43.1)	-32.4 (-43.2 to -19.6)
13 Stroke	13 Headache disorders	18.3 (-6.02 to 44.2)	3.51 (-3.68 to 22.7)	-0.401 (-0.642 to -0.159)
14 Anxiety disorders	14 Alcohol use disorders	44.9 (16.2 to 79.1)	26.9 (12.8 to 41)	1.98 (-7.2 to 11.7)
15 Alcohol use disorders	15 Anxiety disorders	19.5 (-5.04 to 45.4)	4.56 (-3.47 to 13.7)	0.308 (0.0373 to 0.573)
16 Interpersonal violence	16 Blindness and vision loss	100 (62.2 to 134)	75.5 (60.6 to 91.3)	-5.48 (-5.87 to -5.13)
17 Age-related hearing loss	17 Road injuries	0.346 (-40.5 to 64.2)	-12.4 (-43.1 to 33.7)	-18.6 (-48.2 to 26.7)
18 Self-harm	18 Falls	79.4 (41 to 122)	57.2 (35 to 84.6)	-4.52 (-13.5 to 7.97)
19 Falls	19 Oral disorders	81.9 (48 to 113)	59.4 (45.6 to 72.1)	0.139 (-0.193 to 0.468)
20 Blindness and vision loss	20 Lower respiratory infect	-20.3 (-40.7 to 3.67)	-30.2 (-43.7 to -13.3)	-50.4 (-60 to -38.6)
21 Oral disorders	25 Interpersonal violence			
24 COPD	26 Congenital defects			
27 Alzheimer's disease	27 Self-harm			

### Panama, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	135 (95 to 175)	70.6 (48.8 to 92.1)	18.7 (6.31 to 31.4)
2 COVID-19	2 Other musculoskeletal	132 (103 to 160)	68.3 (60.6 to 76.6)	38.7 (36.4 to 41.2)
3 Ischemic heart disease	3 Chronic kidney disease	131 (57.7 to 228)	68.1 (16.2 to 134)	9.05 (-25 to 50.4)
4 Stroke	4 Low back pain	58.7 (38.6 to 78.5)	15.2 (10.4 to 20.2)	-3.7 (-3.8 to -3.57)
5 Neonatal disorders	5 Ischemic heart disease	19.5 (-24.1 to 77.5)	-13.2 (-43.3 to 31)	-49.6 (-67.6 to -25.5)
6 Low back pain	6 Stroke	32.1 (1.29 to 71.3)	-4.08 (-24.9 to 20)	-42.1 (-54.6 to -26.6)
7 Interpersonal violence	7 Alzheimer's disease	219 (164 to 283)	132 (98.6 to 165)	4.16 (1.55 to 6.81)
8 Other musculoskeletal	8 Age-related hearing loss	107 (74.9 to 134)	49.9 (39.7 to 59.8)	-0.759 (-0.846 to -0.671)
9 Congenital defects	9 Depressive disorders	56.2 (36.5 to 77)	13.4 (9.37 to 18.6)	-1.87 (-2.02 to -1.7)
10 Chronic kidney disease	10 Road injuries	24.8 (-23.1 to 93.3)	-9.36 (-44.6 to 39.3)	-12.7 (-47.1 to 36.4)
11 HIV/AIDS	11 COPD	147 (82.8 to 220)	79.2 (31.8 to 131)	-7.28 (-33.8 to 24.9)
12 Road injuries	12 Headache disorders	41.3 (23.1 to 62.4)	2.56 (-1.97 to 13.1)	0.277 (0.157 to 0.384)
13 Headache disorders	13 Neonatal disorders	-14.8 (-30.9 to 2.66)	-38.2 (-47.6 to -28.2)	-24.8 (-36.7 to -12.2)
14 Lower respiratory infect	14 Blindness and vision loss	97.8 (69 to 126)	43.5 (31.8 to 54.6)	-4.78 (-5.14 to -4.41)
15 Depressive disorders	15 Interpersonal violence	-13 (-47.5 to 65.9)	-36.9 (-60.1 to 18.8)	-34.9 (-60.2 to 21)
16 Anxiety disorders	16 Anxiety disorders	42.2 (22.7 to 60.5)	3.19 (-1.08 to 8)	0.758 (0.674 to 0.846)
17 Age-related hearing loss	17 Lower respiratory infect	18.2 (-11.8 to 47.9)	-14.2 (-32.8 to 7.49)	-39.3 (-50.6 to -27.6)
18 Alzheimer's disease	18 Congenital defects	-22.9 (-36.6 to -9.12)	-44.1 (-49.4 to -37.8)	-27.9 (-33.8 to -21.5)
19 Blindness and vision loss	19 Oral disorders	81 (56.9 to 104)	31.4 (23.5 to 39.1)	0.661 (0.439 to 0.854)
20 Oral disorders	20 Colorectal cancer	114 (44.2 to 213)	55.2 (4.44 to 129)	2.05 (-29.4 to 43.9)
21 COPD	32 HIV/AIDS			
24 Colorectal cancer	159 COVID-19			

### Venezuela, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	57.6 (-54.1 to 302)	89.1 (-49 to 421)	39.7 (-73.3 to 318)
2 Interpersonal violence	2 Diabetes	<b>75.2 (23.7 to 141)</b>	<b>102 (42.1 to 203)</b>	44.3 (-7.52 to 149)
3 Diabetes	3 Chronic kidney disease	<b>121 (17.9 to 283)</b>	<b>158 (23.7 to 395)</b>	81.8 (-22.6 to 287)
4 COVID-19	4 Stroke	35.1 (-21.2 to 126)	57.2 (-13.5 to 192)	9.29 (-51.3 to 143)
5 Road injuries	5 Road injuries	2.09 (-65 to 142)	21.7 (-61.5 to 216)	24.7 (-58.7 to 219)
6 Neonatal disorders	6 Interpersonal violence	-50.7 (-85.6 to 18.9)	-46.1 (-81 to 28.8)	-41.2 (-81.5 to 45.6)
7 Stroke	7 Alzheimer's disease	129 (-27.4 to 284)	153 (-6.67 to 284)	<b>8.77 (6.01 to 11.8)</b>
8 Chronic kidney disease	8 Low back pain	6.84 (-19.7 to 33.9)	<b>20.7 (8.51 to 30.9)</b>	<b>3.33 (2.78 to 4.14)</b>
9 Low back pain	9 Hypertensive heart disease	<b>105 (13.1 to 242)</b>	<b>138 (23.2 to 331)</b>	49 (-42.8 to 247)
10 Lower respiratory infect	10 COPD	<b>57.3 (4.16 to 114)</b>	<b>80.8 (17.5 to 172)</b>	8.53 (-49.1 to 115)
11 Other musculoskeletal	11 Lower respiratory infect	-1.06 (-21.6 to 23.8)	12.5 (-9.92 to 38.2)	-20.3 (-44.3 to 23.4)
12 Congenital defects	12 Neonatal disorders	<b>-49.7 (-72.7 to -4.08)</b>	-41.3 (-68.5 to 20.1)	-25.2 (-57.7 to 39.1)
13 Depressive disorders	13 Age-related hearing loss	40.3 (-17.5 to 92)	<b>57.3 (8.01 to 93.3)</b>	<b>0.459 (0.137 to 0.64)</b>
14 Headache disorders	14 Depressive disorders	1.62 (-23.3 to 28.8)	<b>14.8 (6.21 to 24.2)</b>	<b>1.77 (1.29 to 2.31)</b>
15 Cirrhosis liver	15 Other musculoskeletal	-22.6 (-44.3 to 0.506)	<b>-12.7 (-24.7 to -1.27)</b>	<b>-24.5 (-29.1 to -18.7)</b>
16 COPD	16 Lung cancer	17.5 (-64.8 to 113)	29.6 (-53.3 to 121)	-18.4 (-61.1 to 33.1)
17 Anxiety disorders	17 Blindness and vision loss	42.3 (-17.4 to 99.3)	<b>59.6 (9.57 to 98.7)</b>	<b>4.07 (3.66 to 4.51)</b>
18 Lung cancer	18 Headache disorders	-13.3 (-29.9 to 7.04)	-1.71 (-7.53 to 7.47)	-0.334 (-0.908 to 0.302)
19 Mechanical forces	19 Cirrhosis liver	-6.82 (-26.5 to 12.6)	6.4 (-16.1 to 35)	-14 (-33.1 to 15.7)
20 Age-related hearing loss	20 Prostate cancer	63.2 (-57.1 to 215)	79.6 (-44.9 to 225)	-14.4 (-55.7 to 31.4)
21 Alzheimer's disease	21 Anxiety disorders			
23 Hypertensive heart disease	23 Congenital defects			
25 Blindness and vision loss	27 Mechanical forces			
36 Prostate cancer	160 COVID-19			



### Brazil, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	105 (71.7 to 140)	83.3 (62.9 to 108)	19.1 (4.4 to 35)
2 Interpersonal violence	2 Ischemic heart disease	3.58 (-37.6 to 61)	-7.43 (-42.6 to 48.8)	-42.9 (-65.7 to -6.28)
3 Stroke	3 Low back pain	29.1 (10.9 to 47.2)	15.1 (10.7 to 20.1)	-4.01 (-4.2 to -3.85)
4 Diabetes	4 Alzheimer's disease	165 (113 to 218)	136 (105 to 166)	-5.39 (-7.7 to -2.79)
5 Low back pain	5 Stroke	10.2 (-19.5 to 44.8)	-1.68 (-25.5 to 29.5)	-41.2 (-56.4 to -20.3)
6 COVID-19	6 Other musculoskeletal	79.8 (57 to 105)	60.2 (52.1 to 69.2)	38.8 (35.9 to 41.5)
7 Neonatal disorders	7 Lower respiratory infect	42.7 (10.9 to 75.3)	27.4 (0.283 to 56.3)	-32 (-47.8 to -11.3)
8 Road injuries	8 Interpersonal violence	-26.8 (-61.5 to 29)	-34.9 (-64 to 22.2)	-26.2 (-61.4 to 43)
9 Lower respiratory infect	9 COPD	72.2 (18.1 to 130)	53.7 (11.6 to 108)	-20.5 (-44.4 to 13.9)
10 Anxiety disorders	10 Anxiety disorders	13.6 (-1.42 to 28.8)	1.22 (-1.88 to 5.15)	0.425 (0.252 to 0.619)
11 Other musculoskeletal	11 Chronic kidney disease	118 (39.1 to 210)	94.4 (29.6 to 182)	14.9 (-26.8 to 75.4)
12 Headache disorders	12 Road injuries	0.79 (-39.1 to 54.6)	-9.97 (-39.6 to 40.5)	-8.58 (-40.9 to 45.3)
13 Depressive disorders	13 Age-related hearing loss	77 (49.9 to 103)	57.8 (47.4 to 67.7)	-0.923 (-1.02 to -0.814)
14 Falls	14 Falls	45.2 (19.8 to 78.2)	29.4 (13.2 to 48.6)	-11.8 (-20.2 to -0.663)
15 COPD	15 Depressive disorders	19.5 (2.13 to 36.5)	6.46 (3.27 to 10.7)	-2.87 (-3.1 to -2.67)
16 Age-related hearing loss	16 Headache disorders	7.49 (-8.27 to 23.8)	-4.19 (-7.9 to 6.31)	-0.125 (-0.372 to 0.125)
17 Alzheimer's disease	17 Oral disorders	61.5 (36.9 to 85.4)	44 (34.3 to 53.2)	0.0901 (-0.267 to 0.456)
18 Congenital defects	18 Urinary diseases	156 (103 to 226)	128 (83 to 179)	15.5 (-8.2 to 50.1)
19 Chronic kidney disease	19 Blindness and vision loss	64.4 (39.1 to 89.5)	46.6 (35.1 to 56.8)	-4.86 (-5.13 to -4.55)
20 Oral disorders	20 Lung cancer	50.5 (-0.516 to 115)	33.9 (-8.21 to 82.7)	-17.2 (-41.3 to 10)
22 Blindness and vision loss	21 Neonatal disorders			
24 Lung cancer	37 Congenital defects			
33 Urinary diseases	161 COVID-19			

### Paraguay, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	<b>100 (51.3 to 153)</b>	<b>82.6 (51.3 to 126)</b>	-1.45 (-17 to 21)
2 Diabetes	2 Ischemic heart disease	24.9 (-26.1 to 91.9)	14 (-25.9 to 82.6)	<b>-42 (-64 to -6.22)</b>
3 Ischemic heart disease	3 Stroke	30.4 (-9.4 to 74.9)	18.9 (-9.54 to 58.5)	<b>-38.7 (-53.1 to -15.7)</b>
4 Neonatal disorders	4 Other musculoskeletal	<b>105 (59.9 to 145)</b>	<b>87.1 (71.2 to 104)</b>	<b>41.9 (38.5 to 45.2)</b>
5 Stroke	5 Chronic kidney disease	<b>156 (60.7 to 279)</b>	<b>134 (52.1 to 244)</b>	27.1 (-14.8 to 89.1)
6 Road injuries	6 Road injuries	2.26 (-36.7 to 64.4)	-6.85 (-39.7 to 45.8)	-9.17 (-42 to 44.1)
7 Low back pain	7 Low back pain	<b>38.3 (8.31 to 65.3)</b>	<b>26 (16.6 to 35.6)</b>	<b>-3.71 (-3.92 to -3.46)</b>
8 Anxiety disorders	8 Anxiety disorders	18.4 (-8.47 to 43.3)	<b>7.77 (0.145 to 17.1)</b>	<b>0.957 (0.809 to 1.13)</b>
9 Interpersonal violence	9 Alzheimer's disease	<b>183 (108 to 258)</b>	<b>158 (108 to 208)</b>	<b>4.81 (2.43 to 7.38)</b>
10 Headache disorders	10 Lower respiratory infect	27.5 (-8.64 to 67.7)	16.4 (-9.33 to 48.7)	<b>-27.7 (-41.3 to -6.92)</b>
11 Other musculoskeletal	11 Neonatal disorders	<b>-34 (-55.2 to -9.36)</b>	<b>-40.1 (-52 to -22.9)</b>	-15.1 (-32.5 to 10.5)
12 Lower respiratory infect	12 Age-related hearing loss	<b>86 (44.4 to 122)</b>	<b>69.7 (52.6 to 86.4)</b>	<b>-0.782 (-0.877 to -0.683)</b>
13 Congenital defects	13 Headache disorders	9.37 (-18.1 to 37.3)	-0.483 (-7.43 to 21.8)	<b>0.499 (0.303 to 0.658)</b>
14 Depressive disorders	14 Hypertensive heart disease	<b>169 (68.7 to 280)</b>	<b>145 (67.5 to 255)</b>	17.6 (-20.8 to 70.9)
15 Chronic kidney disease	15 Depressive disorders	25.3 (-2.41 to 50.2)	<b>14.1 (7.67 to 23.7)</b>	<b>-1.76 (-2.03 to -1.44)</b>
16 Alcohol use disorders	16 Lung cancer	<b>95.7 (20.4 to 170)</b>	<b>78.6 (20.2 to 145)</b>	-6.54 (-34.7 to 25.3)
17 Age-related hearing loss	17 Alcohol use disorders	<b>38.1 (7.51 to 68.8)</b>	<b>25.9 (12 to 42.9)</b>	2.01 (-6.63 to 11.5)
18 Falls	18 COPD	<b>98.5 (37.9 to 172)</b>	<b>81.2 (34.4 to 145)</b>	-13.6 (-37.6 to 21.1)
19 Alzheimer's disease	19 Blindness and vision loss	<b>67.2 (32 to 99.2)</b>	<b>52.4 (37 to 68.4)</b>	<b>-4.84 (-5.23 to -4.42)</b>
20 Blindness and vision loss	20 Falls	<b>42.3 (7.92 to 76.2)</b>	<b>29.7 (10 to 51.1)</b>	-9.99 (-20.6 to 2.9)
22 Lung cancer	22 Interpersonal violence			
23 COPD	30 Congenital defects			
27 Hypertensive heart disease	160 COVID-19			

### Afghanistan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Ischemic heart disease	96.6 (9.33 to 242)	-8.12 (-48.3 to 56.7)	-39.4 (-67.8 to 8.71)
2 Congenital defects	2 Congenital defects	-7.26 (-39.9 to 27.3)	-57 (-63.4 to -48.7)	-38.3 (-46 to -28.3)
3 Lower respiratory infect	3 Neonatal disorders	-17.1 (-53 to 26.2)	-61.4 (-73.7 to -43.3)	-42.4 (-59.5 to -19)
4 Conflict & terror	4 Conflict & terror	80.3 (-36.7 to 375)	-16.3 (-70.2 to 96.2)	-19.8 (-71.1 to 80.1)
5 Ischemic heart disease	5 Diabetes	266 (152 to 386)	70.3 (46 to 97.9)	10.1 (-6.49 to 30.6)
6 Stroke	6 Stroke	67.3 (5.8 to 152)	-22 (-45.1 to 8.61)	-46.2 (-65.6 to -19.7)
7 Road injuries	7 Road injuries	44.5 (-22.6 to 163)	-32.4 (-64.4 to 18.5)	-37.7 (-66.4 to 9.8)
8 Tuberculosis	8 Lower respiratory infect	-41.3 (-63 to -18.4)	-72.7 (-78.9 to -63.9)	-59.6 (-69.2 to -47.2)
9 COVID-19	9 Depressive disorders	142 (72 to 215)	12.5 (7.74 to 18.2)	-4.03 (-4.45 to -3.7)
10 Pertussis	10 Chronic kidney disease	209 (93.7 to 362)	44.4 (-6.17 to 113)	4.08 (-33.5 to 60.6)
11 Diarrheal diseases	11 Low back pain	144 (72 to 219)	13.4 (7.49 to 19.5)	-7.96 (-8.4 to -7.62)
12 Diabetes	12 Headache disorders	143 (73.3 to 213)	12.8 (8.66 to 20.9)	0.0705 (-0.294 to 0.334)
13 Interpersonal violence	13 Interpersonal violence	67 (-7.69 to 152)	-22.6 (-46.7 to 13.3)	-28.4 (-49.3 to 1.26)
14 Depressive disorders	14 Hypertensive heart disease	196 (76.2 to 342)	38.2 (-10.7 to 103)	-18.1 (-50.1 to 30.5)
15 Maternal disorders	15 Anxiety disorders	133 (65.4 to 204)	8.15 (4.37 to 13.2)	0.792 (0.351 to 1.19)
16 Low back pain	16 Pertussis	-23.6 (-66.2 to 43.4)	-64.7 (-81 to -39.9)	-50.8 (-73 to -17.7)
17 Headache disorders	17 Tuberculosis	-32.3 (-62.9 to 13.8)	-68.3 (-81.2 to -48)	-72.5 (-84.2 to -54.2)
18 Anxiety disorders	18 Gynecological diseases	105 (27.1 to 189)	-4.68 (-31.1 to 22)	-23.3 (-44.8 to -1.52)
19 Chronic kidney disease	19 Falls	60.9 (4.44 to 143)	-25.5 (-40 to -6.43)	-16.8 (-24.8 to -7.56)
20 Meningitis	20 Cirrhosis liver	66.2 (14.5 to 126)	-22.6 (-37.2 to -5.8)	-41.2 (-53.3 to -27.2)
21 Falls	30 Maternal disorders			
23 Cirrhosis liver	37 Diarrheal diseases			
24 Hypertensive heart disease	53 Meningitis			
26 Gynecological diseases	157 COVID-19			

### Algeria, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	234 (168 to 293)	168 (141 to 196)	55.3 (41.9 to 68.7)
2 Neonatal disorders	2 Ischemic heart disease	40.3 (-9.65 to 114)	13 (-23.7 to 72.4)	-48.4 (-68.2 to -13.8)
3 Stroke	3 Stroke	52.6 (16.5 to 99.1)	22.8 (-1.68 to 56.6)	-45.7 (-57.8 to -22)
4 Road injuries	4 Hypertensive heart disease	203 (115 to 313)	144 (76 to 232)	0.89 (-30.6 to 46.3)
5 Congenital defects	5 Chronic kidney disease	186 (99.2 to 308)	131 (63.8 to 227)	9.72 (-25.9 to 68.3)
6 Diabetes	6 Low back pain	53.2 (24.5 to 77.1)	23.2 (16.2 to 31.2)	-5.12 (-5.21 to -5.03)
7 Low back pain	7 Other musculoskeletal	159 (110 to 203)	108 (92.7 to 126)	65.6 (63 to 68.1)
8 Depressive disorders	8 Road injuries	-6.04 (-39.7 to 53.6)	-24.4 (-49.7 to 20.2)	-28.7 (-52.6 to 15.5)
9 Headache disorders	9 Alzheimer's disease	282 (198 to 372)	207 (159 to 255)	4.68 (2 to 7.02)
10 Anxiety disorders	10 Depressive disorders	35.7 (13.5 to 60.2)	9.05 (3.07 to 16)	-2.65 (-2.81 to -2.48)
11 Gynecological diseases	11 Neonatal disorders	-41.7 (-60.3 to -14.4)	-53.2 (-65.3 to -32.3)	-33.1 (-51.1 to -4.65)
12 Hypertensive heart disease	12 COPD	165 (102 to 254)	114 (58 to 183)	-5.76 (-32.7 to 34.4)
13 Chronic kidney disease	13 Age-related hearing loss	120 (81.5 to 157)	76.6 (61.3 to 91.8)	-1.51 (-1.62 to -1.4)
14 Other musculoskeletal	14 Headache disorders	29.2 (4.86 to 50.4)	3.77 (-0.92 to 12.2)	0.406 (0.259 to 0.518)
15 Lower respiratory infect	15 Anxiety disorders	27.1 (3.6 to 50.4)	2.06 (-3.02 to 8.65)	1.03 (0.922 to 1.15)
16 Age-related hearing loss	16 Blindness and vision loss	113 (77.1 to 149)	71.5 (56.2 to 87)	-6.89 (-7.33 to -6.43)
17 Neck pain	17 Congenital defects	-42.9 (-57.5 to -26.7)	-54.2 (-62.1 to -45.8)	-33.2 (-41.8 to -21.5)
18 COVID-19	18 Gynecological diseases	2.89 (-23.3 to 36.1)	-17.3 (-37.5 to 7.55)	-16.9 (-35.6 to 4.51)
19 COPD	19 Neck pain	52.9 (28.1 to 79.6)	23 (12.8 to 34.8)	-0.387 (-0.528 to -0.231)
20 Falls	20 Oral disorders	84.2 (51.1 to 113)	48 (36.2 to 61.8)	0.831 (0.579 to 1.12)
22 Blindness and vision loss	21 Lower respiratory infect			
23 Oral disorders	22 Falls			
24 Alzheimer's disease	162 COVID-19			

### Bahrain, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	303 (237 to 382)	181 (132 to 241)	2.17 (-16.4 to 27.1)
2 Ischemic heart disease	2 Ischemic heart disease	82.6 (19 to 171)	27.3 (-15.8 to 88.4)	-57.1 (-73.6 to -28.7)
3 Depressive disorders	3 Chronic kidney disease	371 (222 to 541)	228 (126 to 360)	3.21 (-33.9 to 55.3)
4 Low back pain	4 Low back pain	83.6 (66.5 to 101)	27.7 (18.8 to 38.4)	-2.77 (-3.36 to -2.14)
5 Headache disorders	5 COPD	432 (276 to 594)	271 (166 to 390)	0.431 (-31.7 to 46.3)
6 Road injuries	6 Other musculoskeletal	163 (130 to 192)	82.8 (67.1 to 98.9)	42.3 (38.7 to 45.3)
7 COVID-19	7 Depressive disorders	50.6 (35.7 to 68.6)	4.72 (-1.46 to 13.2)	-0.365 (-1.35 to 0.665)
8 Stroke	8 Stroke	116 (62 to 177)	50.7 (13.8 to 97.5)	-53.7 (-65.9 to -33.3)
9 Anxiety disorders	9 Lung cancer	370 (187 to 571)	227 (109 to 363)	11 (-23.8 to 50.5)
10 Other musculoskeletal	10 Age-related hearing loss	200 (168 to 238)	109 (90.5 to 131)	-0.81 (-1.26 to -0.334)
11 Gynecological diseases	11 Alzheimer's disease	638 (513 to 794)	413 (325 to 519)	0.0599 (-2.23 to 2.63)
12 Chronic kidney disease	12 Headache disorders	40.6 (25.9 to 60.5)	-2.23 (-8.08 to 6.69)	3.28 (1.89 to 4.44)
13 Neonatal disorders	13 Hypertensive heart disease	486 (303 to 691)	308 (183 to 469)	-1.08 (-35.5 to 46.6)
14 Age-related hearing loss	14 Anxiety disorders	39.2 (25.7 to 57.5)	-3.18 (-9.59 to 5.63)	3.31 (1.96 to 4.44)
15 Neck pain	15 Road injuries	19.8 (-27 to 93)	-16.5 (-48 to 35.3)	-20.7 (-51.8 to 36)
16 Congenital defects	16 Blindness and vision loss	203 (164 to 240)	111 (87.5 to 133)	-5.58 (-6.19 to -4.91)
17 Oral disorders	17 Oral disorders	129 (100 to 157)	59.4 (43.8 to 79.7)	1.87 (1.31 to 2.54)
18 COPD	18 Cirrhosis liver	155 (110 to 192)	77.2 (44.5 to 107)	-35.2 (-45.8 to -21.5)
19 Lung cancer	19 Lower respiratory infect	200 (127 to 280)	109 (57.7 to 171)	-23.7 (-42.3 to 1.81)
20 Hemoglobinopathies	20 Neck pain	83.6 (59 to 108)	27.7 (14.4 to 43)	2.91 (1.15 to 5.01)
22 Cirrhosis liver	21 Gynecological diseases			
23 Blindness and vision loss	30 Neonatal disorders			
27 Lower respiratory infect	32 Hemoglobinopathies			
35 Hypertensive heart disease	36 Congenital defects			
40 Alzheimer's disease	150 COVID-19			

### Egypt, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	55.9 (3.72 to 125)	3.93 (-31.5 to 49.7)	-31.6 (-58.8 to 7.56)
2 Stroke	2 Diabetes	241 (193 to 298)	127 (96.4 to 162)	50.2 (27.4 to 75.2)
3 Cirrhosis liver	3 Chronic kidney disease	235 (143 to 343)	123 (68.9 to 200)	48 (0.842 to 112)
4 Lower respiratory infect	4 Stroke	48.7 (16.1 to 90.4)	-0.882 (-22.5 to 25.6)	-38.9 (-54.4 to -16)
5 Diabetes	5 Cirrhosis liver	41.5 (19.6 to 65.4)	-5.78 (-19 to 8.52)	-37.5 (-46.6 to -26.3)
6 COVID-19	6 Hypertensive heart disease	140 (75.1 to 228)	60.1 (19.5 to 116)	-3.82 (-35.1 to 43.2)
7 Congenital defects	7 Low back pain	69.2 (50.4 to 85.6)	12.7 (6.56 to 18.6)	-5 (-5.16 to -4.82)
8 Chronic kidney disease	8 Other musculoskeletal	218 (188 to 249)	112 (97.2 to 126)	75.5 (72.8 to 78.2)
9 Neonatal disorders	9 Depressive disorders	63.9 (47 to 82.1)	9.14 (4.68 to 14.4)	-2.05 (-2.3 to -1.76)
10 Low back pain	10 Headache disorders	60 (42.3 to 78)	6.51 (2.91 to 13.1)	1.1 (0.845 to 1.29)
11 Road injuries	11 Lower respiratory infect	-16.1 (-33 to 5.21)	-44.1 (-54.6 to -30.4)	-44.7 (-55.4 to -31.2)
12 Headache disorders	12 Neonatal disorders	6.06 (-12.1 to 31.2)	-29.4 (-40.8 to -15.8)	-16.9 (-29.8 to -0.78)
13 Depressive disorders	13 Road injuries	14.4 (-29.8 to 84.5)	-23.7 (-52.9 to 27.1)	-29 (-56.5 to 19.4)
14 Hypertensive heart disease	14 Anxiety disorders	56.9 (37.4 to 74.5)	4.45 (0.878 to 8.92)	1.81 (1.63 to 2)
15 Anxiety disorders	15 Congenital defects	-27.7 (-41.3 to -13.2)	-51.9 (-58.1 to -44.9)	-39.2 (-46 to -31.2)
16 Gynecological diseases	16 Liver cancer	124 (88.2 to 169)	49.4 (26.2 to 80.6)	1.73 (-16.2 to 22.1)
17 Other musculoskeletal	17 COPD	118 (62.3 to 187)	45.4 (8.98 to 90.8)	-8.77 (-33.9 to 27.2)
18 Other cardiovascular	18 Gynecological diseases	28.4 (-9.01 to 67.8)	-14.4 (-39 to 11.7)	-21.7 (-43.6 to 1.76)
19 Liver cancer	19 Age-related hearing loss	105 (77.8 to 134)	36.3 (23.2 to 50.1)	-1.92 (-2.1 to -1.72)
20 COPD	20 Lung cancer	142 (64.1 to 235)	61 (7.34 to 121)	11.1 (-19.7 to 44.8)
21 Age-related hearing loss	27 Other cardiovascular			
27 Lung cancer	161 COVID-19			

### Iran, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	<b>262 (216 to 304)</b>	<b>210 (182 to 244)</b>	<b>54.4 (40.3 to 70.7)</b>
2 Road injuries	2 Ischemic heart disease	34.4 (-11.4 to 101)	15.2 (-24 to 79.3)	<b>-52.1 (-70.1 to -23.3)</b>
3 Low back pain	3 Low back pain	<b>50.1 (34.6 to 71.8)</b>	<b>28.4 (20.7 to 37.6)</b>	<b>-3.95 (-4.04 to -3.85)</b>
4 Stroke	4 Stroke	<b>37.4 (8.64 to 76)</b>	17.7 (-8.07 to 53.1)	<b>-51.4 (-62.7 to -33.7)</b>
5 Depressive disorders	5 Alzheimer's disease	<b>309 (235 to 385)</b>	<b>250 (197 to 300)</b>	2.09 (-0.296 to 4.49)
6 Diabetes	6 Hypertensive heart disease	<b>232 (136 to 348)</b>	<b>184 (107 to 298)</b>	6.58 (-24.8 to 57.8)
7 Anxiety disorders	7 Road injuries	0.802 (-33.7 to 58.5)	<b>-13.6 (-44.2 to 37.8)</b>	<b>-16.1 (-47.2 to 37.6)</b>
8 COVID-19	8 Depressive disorders	<b>21.1 (7.1 to 36.9)</b>	3.57 (-2.5 to 10.3)	<b>-2.01 (-2.09 to -1.91)</b>
9 Headache disorders	9 Chronic kidney disease	<b>218 (125 to 334)</b>	<b>172 (93.9 to 290)</b>	13.9 (-21.2 to 71.2)
10 Gynecological diseases	10 Age-related hearing loss	<b>124 (97.4 to 152)</b>	<b>91.7 (76.5 to 109)</b>	<b>-1.22 (-1.29 to -1.14)</b>
11 Neck pain	11 Other musculoskeletal	<b>123 (93.4 to 154)</b>	<b>90.2 (72.9 to 109)</b>	<b>50.2 (48 to 52.3)</b>
12 Age-related hearing loss	12 COPD	<b>174 (102 to 257)</b>	<b>135 (73.9 to 220)</b>	-6.41 (-34.6 to 33.9)
13 Other musculoskeletal	13 Anxiety disorders	<b>15.5 (1.51 to 29.1)</b>	-1.29 (-6.24 to 5.14)	<b>0.974 (0.937 to 1.02)</b>
14 Neonatal disorders	14 Blindness and vision loss	<b>132 (102 to 163)</b>	<b>98.1 (80.7 to 115)</b>	<b>-5.86 (-6.16 to -5.53)</b>
15 Hypertensive heart disease	15 Headache disorders	<b>16.2 (1.96 to 34.7)</b>	-0.693 (-6.11 to 9.03)	<b>0.518 (0.349 to 0.608)</b>
16 Blindness and vision loss	16 Neck pain	<b>44.2 (22.9 to 64.1)</b>	<b>23.3 (10.8 to 38.3)</b>	-0.0187 (-0.113 to 0.0942)
17 Drug use disorders	17 Lung cancer	<b>156 (75 to 255)</b>	<b>118 (52.2 to 195)</b>	1.19 (-26.5 to 31.5)
18 COPD	18 Oral disorders	<b>85.3 (61.2 to 110)</b>	<b>58.4 (44.9 to 73.7)</b>	<b>0.749 (0.554 to 0.947)</b>
19 Alzheimer's disease	19 Gynecological diseases	-6.41 (-28.3 to 17.7)	-19.9 (-39.6 to 3.06)	-12.6 (-31.4 to 8.23)
20 Chronic kidney disease	20 Osteoarthritis	<b>150 (123 to 179)</b>	<b>114 (101 to 128)</b>	<b>3.33 (3.03 to 3.68)</b>
21 Oral disorders	21 Drug use disorders			
28 Lung cancer	29 Neonatal disorders			
30 Osteoarthritis	155 COVID-19			

### Iraq, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Conflict & terror	166 (-78.4 to 875)	82.5 (-84.2 to 638)	79.1 (-84.6 to 611)
2 Conflict & terror	2 Diabetes	<b>165 (76.7 to 246)</b>	<b>79.4 (54.5 to 110)</b>	1.15 (-12.2 to 18.4)
3 Neonatal disorders	3 Ischemic heart disease	39 (-21.2 to 123)	-5.52 (-42.7 to 47.7)	<b>-53.3 (-72.1 to -22)</b>
4 Stroke	4 Stroke	39 (-14.3 to 100)	-5.73 (-31.2 to 30.2)	<b>-53.1 (-66 to -31.2)</b>
5 Diabetes	5 Low back pain	<b>81.1 (27.1 to 133)</b>	<b>22.7 (15.9 to 29.7)</b>	<b>-4.31 (-4.48 to -4.15)</b>
6 COVID-19	6 Chronic kidney disease	<b>186 (67.7 to 323)</b>	<b>94.2 (29.8 to 180)</b>	2.26 (-32 to 60.3)
7 Congenital defects	7 Neonatal disorders	<b>-42.7 (-61.4 to -20.4)</b>	<b>-61.1 (-69.5 to -50.4)</b>	<b>-46.8 (-58.7 to -30.9)</b>
8 Low back pain	8 Depressive disorders	<b>62.9 (15.1 to 107)</b>	<b>10.3 (5.42 to 16)</b>	<b>-1.81 (-2.03 to -1.61)</b>
9 Road injuries	9 Headache disorders	<b>57.6 (8.61 to 104)</b>	<b>6.77 (1.51 to 16.9)</b>	<b>1.14 (0.776 to 1.39)</b>
10 Depressive disorders	10 Anxiety disorders	<b>51.2 (5.08 to 93.2)</b>	2.41 (-3.62 to 8.84)	<b>1.69 (1.44 to 1.92)</b>
11 Mechanical forces	11 Hypertensive heart disease	<b>217 (89.9 to 354)</b>	<b>115 (48.5 to 204)</b>	-3.77 (-38 to 48)
12 Headache disorders	12 Other musculoskeletal	<b>198 (93.5 to 280)</b>	<b>102 (79.1 to 122)</b>	<b>55.1 (40.7 to 62.2)</b>
13 Interpersonal violence	13 Road injuries	23.5 (-29.9 to 103)	-16.1 (-48.4 to 36.9)	-24.1 (-53.4 to 23)
14 Anxiety disorders	14 Mechanical forces	19.6 (-21.6 to 67.7)	-18.9 (-36 to 5.47)	<b>-26.6 (-41.8 to -3.33)</b>
15 Gynecological diseases	15 Age-related hearing loss	<b>142 (72.1 to 218)</b>	<b>63.9 (48.2 to 80.3)</b>	<b>-1.37 (-1.5 to -1.24)</b>
16 Chronic kidney disease	16 Gynecological diseases	47.1 (-4.21 to 101)	-0.0942 (-26.6 to 25.5)	-10.5 (-33.1 to 13)
17 Lower respiratory infect	17 Lung cancer	<b>179 (58 to 336)</b>	<b>88.4 (24.9 to 160)</b>	-3.81 (-30.6 to 29.3)
18 Age-related hearing loss	18 Alzheimer's disease	<b>324 (168 to 491)</b>	<b>186 (122 to 249)</b>	<b>2.89 (0.392 to 5.29)</b>
19 Neck pain	19 Congenital defects	<b>-34.9 (-54.7 to -14.2)</b>	<b>-55.9 (-62.2 to -49.7)</b>	<b>-37.8 (-44.7 to -29.3)</b>
20 Other musculoskeletal	20 Interpersonal violence	-5.16 (-47.5 to 51.9)	-35.9 (-57.8 to 1.58)	-37.9 (-59.7 to 0.195)
21 Hypertensive heart disease	21 Neck pain			
23 Lung cancer	30 Lower respiratory infect			
34 Alzheimer's disease	157 COVID-19			



### Jordan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	306 (253 to 363)	125 (99.7 to 150)	20.5 (7.31 to 32.7)
2 Ischemic heart disease	2 Ischemic heart disease	81.1 (20.2 to 164)	0.642 (-34 to 49.8)	-52.5 (-68.7 to -25.1)
3 Neonatal disorders	3 Low back pain	124 (103 to 145)	24.4 (18.8 to 32)	-2.32 (-2.55 to -2.11)
4 COVID-19	4 Stroke	99.4 (62.2 to 142)	10.7 (-10.8 to 34.8)	-50.4 (-60.6 to -38.2)
5 Low back pain	5 Hypertensive heart disease	344 (214 to 491)	147 (73 to 237)	-3.43 (-35.2 to 38.3)
6 Stroke	6 Chronic kidney disease	279 (168 to 411)	111 (48.2 to 196)	-1.13 (-31.6 to 43.1)
7 Congenital defects	7 Other musculoskeletal	216 (190 to 247)	75.4 (65.4 to 85.9)	34.2 (32.1 to 36)
8 Depressive disorders	8 Depressive disorders	98.7 (79.3 to 119)	10.2 (4.91 to 16.9)	0.0128 (-0.398 to 0.425)
9 Headache disorders	9 Headache disorders	88.1 (67.6 to 110)	4.33 (-1.35 to 15.2)	1.64 (1.1 to 2.05)
10 Anxiety disorders	10 Alzheimer's disease	527 (413 to 644)	248 (189 to 305)	-1.26 (-3.59 to 0.834)
11 Road injuries	11 Anxiety disorders	79.4 (63.9 to 102)	-0.529 (-6.26 to 6.7)	1.89 (1.46 to 2.37)
12 Gynecological diseases	12 Neonatal disorders	10.1 (-12.6 to 36.4)	-38.9 (-51.2 to -23.6)	-26.3 (-42.6 to -5.36)
13 Other musculoskeletal	13 Age-related hearing loss	212 (180 to 249)	73.3 (59 to 90.1)	-0.971 (-1.1 to -0.849)
14 Chronic kidney disease	14 Gynecological diseases	84.4 (49.6 to 127)	2.38 (-20 to 23.1)	-6.98 (-26 to 10.5)
15 Dietary iron deficiency	15 Road injuries	41.9 (-7.71 to 118)	-21.2 (-48.5 to 21.5)	-23 (-50.4 to 22.7)
16 Lower respiratory infect	16 Neck pain	137 (114 to 160)	31.4 (23.3 to 40.9)	2.02 (1.51 to 2.55)
17 Age-related hearing loss	17 COPD	295 (197 to 406)	119 (64.6 to 182)	-2.5 (-29.1 to 33.9)
18 Hypertensive heart disease	18 Oral disorders	166 (140 to 194)	47.8 (36.6 to 59)	0.485 (0.297 to 0.657)
19 Neck pain	19 Congenital defects	-5.06 (-20.1 to 10.6)	-47.4 (-53.8 to -41.2)	-33.5 (-40.4 to -25)
20 Oral disorders	20 Blindness and vision loss	210 (175 to 246)	71.7 (56 to 86.9)	-3.88 (-4.23 to -3.5)
23 Blindness and vision loss	21 Dietary iron deficiency			
25 COPD	24 Lower respiratory infect			
26 Alzheimer's disease	155 COVID-19			

### Kuwait, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	369 (299 to 449)	216 (188 to 250)	35.4 (26.3 to 44.3)
2 Diabetes	2 Ischemic heart disease	111 (46.6 to 213)	41.9 (-3.22 to 110)	-46.6 (-63.3 to -17.7)
3 Low back pain	3 Low back pain	97.5 (67.9 to 125)	33 (21.3 to 45.4)	-0.538 (-0.937 to -0.112)
4 Depressive disorders	4 Alzheimer's disease	722 (596 to 856)	453 (395 to 510)	6.86 (4.3 to 9.33)
5 Headache disorders	5 Other musculoskeletal	124 (89.1 to 166)	51 (33.5 to 70.1)	22.2 (21.3 to 23.1)
6 Gynecological diseases	6 Depressive disorders	53.1 (31.2 to 76.1)	3.11 (-5.93 to 14)	0.194 (-0.289 to 0.755)
7 Other musculoskeletal	7 Hypertensive heart disease	716 (485 to 1060)	449 (295 to 648)	38.3 (-2.87 to 99.3)
8 Anxiety disorders	8 Age-related hearing loss	251 (196 to 309)	136 (110 to 160)	-1.11 (-1.43 to -0.757)
9 Road injuries	9 Chronic kidney disease	573 (374 to 841)	353 (213 to 529)	42 (-0.689 to 107)
10 Stroke	10 Lower respiratory infect	204 (134 to 292)	105 (62.1 to 158)	-27 (-40.9 to -7.62)
11 Neonatal disorders	11 Stroke	146 (94 to 203)	65.5 (37 to 103)	-42.7 (-52.7 to -28.3)
12 Congenital defects	12 Headache disorders	36.6 (21 to 59.9)	-8 (-14.3 to 3.75)	1.24 (0.857 to 1.63)
13 Lower respiratory infect	13 Blindness and vision loss	270 (212 to 346)	149 (117 to 180)	-1.35 (-1.74 to -1.01)
14 Neck pain	14 Anxiety disorders	39.9 (22.4 to 61.4)	-5.81 (-13.3 to 5.33)	1.42 (0.908 to 1.89)
15 Falls	15 Road injuries	43.2 (-4.77 to 122)	-3.51 (-34 to 49.9)	-11 (-42 to 45.4)
16 Age-related hearing loss	16 Gynecological diseases	8.48 (-19.1 to 42.5)	-26.9 (-46.4 to -5.44)	-8.49 (-30.6 to 13.6)
17 Oral disorders	17 Osteoarthritis	281 (233 to 334)	157 (135 to 177)	3.7 (3.17 to 4.23)
18 COVID-19	18 Oral disorders	140 (103 to 188)	61.2 (42.6 to 83.4)	-0.849 (-1.31 to -0.381)
19 Blindness and vision loss	19 Neck pain	85.7 (54.6 to 134)	25.1 (5.49 to 46.1)	4.59 (3.51 to 5.67)
20 Schizophrenia	20 Falls	69.2 (44.4 to 98)	13.9 (1.52 to 27.5)	-20.8 (-28.5 to -11.3)
21 Alzheimer's disease	24 Neonatal disorders			
23 Osteoarthritis	27 Congenital defects			
24 Chronic kidney disease	30 Schizophrenia			
26 Hypertensive heart disease	153 COVID-19			

### Lebanon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	141 (91.7 to 186)	129 (104 to 153)	33 (19.5 to 47)
2 Ischemic heart disease	2 Ischemic heart disease	14.3 (-27.7 to 80.2)	8.92 (-28.3 to 67.5)	-40.9 (-64.2 to -4.1)
3 Diabetes	3 Chronic kidney disease	131 (54.3 to 229)	120 (54.3 to 223)	17.9 (-20.2 to 85.9)
4 Stroke	4 Low back pain	30.7 (4.95 to 53.9)	24.5 (16.6 to 32.6)	-3.69 (-3.98 to -3.42)
5 Low back pain	5 Alzheimer's disease	132 (80.7 to 192)	121 (84.7 to 155)	8.22 (5.98 to 10.6)
6 Depressive disorders	6 Lung cancer	115 (43.1 to 197)	105 (44.7 to 173)	3.75 (-24.5 to 35.4)
7 Anxiety disorders	7 Stroke	14.9 (-15.7 to 49.8)	9.47 (-13.1 to 40.5)	-37.1 (-49.4 to -17.9)
8 Headache disorders	8 COPD	104 (39.8 to 179)	94 (45.4 to 157)	1.26 (-31.3 to 46.7)
9 Lower respiratory infect	9 Depressive disorders	13.2 (-9.17 to 34.9)	7.73 (-0.0885 to 16.8)	-2.34 (-2.8 to -1.91)
10 Gynecological diseases	10 Age-related hearing loss	75.9 (47 to 105)	67.6 (54.2 to 80.5)	-0.543 (-0.735 to -0.354)
11 Chronic kidney disease	11 Lower respiratory infect	33.1 (1.79 to 66.4)	26.8 (2.99 to 55.7)	-27.4 (-41.8 to -9.13)
12 Neonatal disorders	12 Other musculoskeletal	79.7 (46.8 to 115)	71.1 (53.6 to 86.2)	33.1 (28.8 to 35.4)
13 Lung cancer	13 Anxiety disorders	2.45 (-17.2 to 19.5)	-2.46 (-9.11 to 6.33)	0.159 (-0.267 to 0.604)
14 Alzheimer's disease	14 Headache disorders	3.88 (-15.7 to 25.4)	-1.12 (-7.35 to 9.47)	-0.523 (-0.87 to -0.111)
15 COPD	15 Blindness and vision loss	73.6 (43.9 to 103)	65.4 (51.3 to 77.7)	-4.23 (-4.5 to -3.98)
16 Age-related hearing loss	16 Conflict & terror	99.5 (-47.4 to 519)	89.1 (-51.6 to 501)	67.5 (-67 to 518)
17 Other musculoskeletal	17 Breast cancer	55.9 (9.33 to 112)	48.4 (6.54 to 99.4)	-14.7 (-35.3 to 9.64)
18 Road injuries	18 Colorectal cancer	108 (32.1 to 201)	98.2 (31.6 to 181)	2.79 (-29.3 to 41.4)
19 Conflict & terror	19 Gynecological diseases	-17.5 (-42.6 to 9.64)	-21.4 (-42.9 to 3.06)	-16.9 (-38.2 to 5.34)
20 Neck pain	20 Oral disorders	57.5 (30.7 to 88.4)	50 (38.5 to 62.2)	0.828 (0.58 to 1.07)
21 Blindness and vision loss	21 Neck pain			
22 Breast cancer	26 Road injuries			
24 Oral disorders	27 Neonatal disorders			
28 Colorectal cancer	155 COVID-19			

### Libya, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	46.1 (-13 to 123)	47.8 (-6.27 to 133)	-36.6 (-61.8 to 5.1)
2 COVID-19	2 Diabetes	<b>230 (161 to 300)</b>	<b>232 (188 to 274)</b>	<b>59.6 (38 to 81)</b>
3 Road injuries	3 Chronic kidney disease	<b>218 (109 to 347)</b>	<b>221 (126 to 376)</b>	34 (-8.46 to 102)
4 Stroke	4 Road injuries	-14 (-48.4 to 42)	-13.1 (-45.3 to 46.4)	-12.7 (-46.6 to 51)
5 Diabetes	5 Stroke	35.2 (-7.07 to 88.7)	<b>36.5 (1.47 to 95.7)</b>	<b>-41.3 (-56.7 to -13.4)</b>
6 Conflict & terror	6 Hypertensive heart disease	<b>267 (143 to 403)</b>	<b>270 (152 to 405)</b>	31.2 (-12 to 95.3)
7 Congenital defects	7 Lung cancer	<b>168 (63.4 to 268)</b>	<b>169 (83.6 to 271)</b>	7.74 (-23.4 to 42)
8 Low back pain	8 Low back pain	<b>33.3 (7.87 to 60.6)</b>	<b>34.1 (23.5 to 44.8)</b>	<b>-2.72 (-2.88 to -2.58)</b>
9 Depressive disorders	9 Alzheimer's disease	<b>343 (221 to 466)</b>	<b>345 (259 to 433)</b>	<b>21.2 (18.4 to 24.1)</b>
10 Neonatal disorders	10 COPD	<b>183 (104 to 284)</b>	<b>186 (106 to 288)</b>	8.52 (-23.7 to 58.3)
11 Chronic kidney disease	11 Conflict & terror	4.04e+07 (-100 to 35100)	4.24e+07 (-100 to 33900)	2.95e+07 (-100 to 49200)
12 Headache disorders	12 Depressive disorders	6.42 (-14 to 31.1)	7.02 (-1.56 to 18)	<b>-1.17 (-1.37 to -0.97)</b>
13 Anxiety disorders	13 Age-related hearing loss	<b>113 (67 to 158)</b>	<b>114 (88.9 to 140)</b>	<b>-0.881 (-0.984 to -0.775)</b>
14 Gynecological diseases	14 Other musculoskeletal	<b>73.9 (35.8 to 109)</b>	<b>75 (58.4 to 93.8)</b>	<b>35.5 (33.1 to 37.7)</b>
15 Lung cancer	15 Colorectal cancer	<b>163 (58 to 287)</b>	<b>164 (73.7 to 289)</b>	12.6 (-20.2 to 54.1)
16 Hypertensive heart disease	16 Lower respiratory infect	<b>49.1 (11.2 to 90.9)</b>	<b>50.4 (17.7 to 95.5)</b>	-25.3 (-41.5 to 1.92)
17 Other musculoskeletal	17 Blindness and vision loss	<b>120 (76.3 to 169)</b>	<b>121 (92.1 to 148)</b>	<b>-4.19 (-4.52 to -3.8)</b>
18 Lower respiratory infect	18 Headache disorders	-3.01 (-21 to 19.5)	-2.48 (-9.65 to 11.7)	<b>0.86 (0.565 to 1.08)</b>
19 Cirrhosis liver	19 Cirrhosis liver	<b>54.9 (18.8 to 90.4)</b>	<b>56.2 (26.9 to 90.8)</b>	<b>-25.2 (-36.5 to -7.52)</b>
20 Age-related hearing loss	20 Anxiety disorders	-5.57 (-23.3 to 12.8)	-5.03 (-13.5 to 4.98)	<b>1.08 (0.891 to 1.29)</b>
23 COPD	22 Gynecological diseases			
25 Blindness and vision loss	28 Congenital defects			
30 Colorectal cancer	32 Neonatal disorders			
31 Alzheimer's disease	156 COVID-19			

### Morocco, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	25.5 (-18.8 to 97.2)	18.3 (-22.6 to 84.6)	-35.1 (-62.6 to 11.8)
2 COVID-19	2 Diabetes	149 (115 to 191)	134 (112 to 159)	47.7 (33.3 to 63.3)
3 Stroke	3 Stroke	23.2 (-7.71 to 68.8)	15.9 (-11.6 to 52.9)	-37.7 (-55.8 to -10.9)
4 Diabetes	4 Chronic kidney disease	154 (80.5 to 260)	139 (73.1 to 224)	32.2 (-13.2 to 102)
5 Neonatal disorders	5 Hypertensive heart disease	101 (42.4 to 174)	89.4 (36.9 to 157)	-4.17 (-37 to 46.6)
6 Road injuries	6 Low back pain	27.1 (8.99 to 45.1)	19.5 (13.2 to 26.4)	-5.89 (-6 to -5.77)
7 Low back pain	7 Depressive disorders	16.9 (1.4 to 34.1)	9.85 (5.04 to 16)	-3.05 (-3.2 to -2.89)
8 Depressive disorders	8 Other musculoskeletal	136 (102 to 172)	122 (108 to 139)	78.6 (72.6 to 83)
9 Hypertensive heart disease	9 Alzheimer's disease	185 (105 to 287)	168 (97.5 to 238)	9.04 (6.59 to 12)
10 Chronic kidney disease	10 Road injuries	-20.1 (-51.3 to 32.5)	-24.7 (-53.1 to 21.1)	-32.9 (-59.1 to 10.9)
11 Headache disorders	11 COPD	76 (30.4 to 134)	65.7 (24 to 112)	-12.7 (-41 to 28.5)
12 Anxiety disorders	12 Age-related hearing loss	72.3 (46.2 to 109)	61.9 (43.3 to 79.5)	-1.75 (-1.87 to -1.63)
13 Lower respiratory infect	13 Headache disorders	11.2 (-4.41 to 26.9)	4.46 (-0.335 to 13.2)	0.505 (0.314 to 0.64)
14 Gynecological diseases	14 Anxiety disorders	8.15 (-6.78 to 23.7)	1.59 (-4.51 to 7.67)	1.26 (1.16 to 1.37)
15 COPD	15 Neonatal disorders	-52.5 (-64.4 to -35.6)	-55.3 (-64.7 to -41.1)	-36.4 (-52.1 to -15.3)
16 Other musculoskeletal	16 Lung cancer	73.8 (11 to 154)	63 (6.39 to 128)	-6.57 (-35 to 25.3)
17 Age-related hearing loss	17 Lower respiratory infect	-6.57 (-27 to 17.7)	-12.1 (-31.7 to 9.89)	-42.2 (-55.4 to -23.1)
18 Congenital defects	18 Gynecological diseases	-6.13 (-31.3 to 27.4)	-11.6 (-33.2 to 16.3)	-16.4 (-35.5 to 6.91)
19 Neck pain	19 Blindness and vision loss	61.1 (36.9 to 95.7)	51.3 (34.8 to 68.3)	-7.61 (-8.1 to -7.1)
20 Falls	20 Falls	39.4 (16.1 to 68.6)	30.9 (13.8 to 47.7)	-6.4 (-15.5 to 3.09)
22 Alzheimer's disease	22 Neck pain			
23 Blindness and vision loss	31 Congenital defects			
26 Lung cancer	160 COVID-19			

### Oman, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Road injuries	1 Diabetes	524 (444 to 614)	325 (271 to 392)	48.8 (30.3 to 72.4)
2 Ischemic heart disease	2 Ischemic heart disease	175 (83.6 to 311)	87.6 (24.4 to 185)	-44.1 (-65.6 to -8.83)
3 Diabetes	3 Road injuries	34.6 (-18.1 to 121)	-8.17 (-44.1 to 49.9)	-17.6 (-51.6 to 41.6)
4 Low back pain	4 Chronic kidney disease	542 (371 to 782)	338 (217 to 513)	34.2 (-6.33 to 101)
5 Depressive disorders	5 Hypertensive heart disease	640 (425 to 869)	405 (258 to 589)	27.6 (-15.6 to 86.6)
6 Neonatal disorders	6 Stroke	162 (106 to 236)	78.8 (39.7 to 139)	-43.5 (-57.2 to -18.9)
7 Headache disorders	7 Low back pain	95.5 (72.3 to 117)	33 (22.1 to 46)	-2.75 (-3.57 to -1.97)
8 Stroke	8 Other musculoskeletal	177 (138 to 219)	88.8 (65.5 to 116)	45.6 (42.9 to 48.3)
9 Anxiety disorders	9 Depressive disorders	63 (45.5 to 84.4)	11 (1.72 to 23.5)	-0.0548 (-1.4 to 1.32)
10 Congenital defects	10 Lower respiratory infect	169 (106 to 233)	83.2 (40.3 to 135)	-14.1 (-34.2 to 16.4)
11 Gynecological diseases	11 Blindness and vision loss	243 (196 to 290)	134 (107 to 157)	-4.15 (-4.64 to -3.61)
12 Other musculoskeletal	12 Age-related hearing loss	237 (194 to 285)	129 (105 to 154)	-0.667 (-1.24 to -0.143)
13 COVID-19	13 Headache disorders	50 (33 to 68.9)	2.09 (-4.78 to 12.5)	3.67 (1.82 to 5.1)
14 Lower respiratory infect	14 Alzheimer's disease	694 (544 to 859)	440 (341 to 529)	12.3 (8.52 to 16.2)
15 Falls	15 COPD	455 (305 to 639)	278 (174 to 420)	10.5 (-25 to 59.1)
16 Chronic kidney disease	16 Anxiety disorders	48.6 (32.8 to 69.6)	1.11 (-6.15 to 11.3)	3.44 (1.94 to 4.88)
17 Neck pain	17 Other cardiovascular	163 (106 to 221)	79.4 (44 to 116)	-19.9 (-36.3 to 4.82)
18 Blindness and vision loss	18 Falls	92.8 (63.1 to 129)	31.1 (13.1 to 50.3)	-11.2 (-20.6 to -0.0519)
19 Other cardiovascular	19 Gynecological diseases	50.1 (14.2 to 87.5)	2.3 (-21.8 to 30.6)	15.5 (-9.67 to 41.9)
20 Age-related hearing loss	20 Neonatal disorders	-10.3 (-28.5 to 16)	-38.9 (-50.9 to -20.3)	-19.4 (-37.7 to 7.38)
21 Hypertensive heart disease	22 Neck pain			
28 COPD	25 Congenital defects			
36 Alzheimer's disease	158 COVID-19			

### Palestine, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	251 (198 to 310)	155 (124 to 191)	22.3 (6.31 to 42.4)
2 Ischemic heart disease	2 Ischemic heart disease	79.6 (18.3 to 168)	30.7 (-15.9 to 100)	-38.8 (-63.1 to -0.557)
3 Conflict & terror	3 Conflict & terror	223 (-89.4 to 1900)	133 (-92.2 to 1390)	109 (-92.3 to 1290)
4 Neonatal disorders	4 Depressive disorders	60.1 (40.3 to 80)	16.3 (9.66 to 24.2)	-1.86 (-1.95 to -1.77)
5 Depressive disorders	5 Stroke	75.3 (37.8 to 121)	27.5 (0.761 to 60.7)	-41.1 (-56.1 to -18.6)
6 Diabetes	6 Chronic kidney disease	270 (165 to 404)	169 (94.3 to 275)	35.2 (-9.52 to 105)
7 Stroke	7 Low back pain	77.8 (56.5 to 99.7)	29.2 (22 to 36.1)	-3.79 (-3.92 to -3.68)
8 Low back pain	8 Headache disorders	50.8 (29.9 to 78)	9.45 (2.78 to 22.9)	0.534 (0.356 to 0.637)
9 Congenital defects	9 Anxiety disorders	41.5 (19.3 to 64.3)	2.69 (-4.35 to 10.3)	0.923 (0.842 to 1.01)
10 Anxiety disorders	10 Hypertensive heart disease	248 (156 to 376)	153 (83 to 258)	2.61 (-33.3 to 57.4)
11 Headache disorders	11 Neonatal disorders	-36.5 (-51.2 to -16.9)	-53.9 (-64 to -40.9)	-37.9 (-51.6 to -19.1)
12 Gynecological diseases	12 Other musculoskeletal	176 (137 to 220)	100 (77.5 to 123)	41.9 (30.6 to 48.9)
13 Lower respiratory infect	13 Gynecological diseases	50.3 (16.2 to 85.6)	9.26 (-13.8 to 33.5)	-8.58 (-26.5 to 9.29)
14 Chronic kidney disease	14 Age-related hearing loss	137 (104 to 172)	71.8 (56.8 to 90.1)	-1.13 (-1.28 to -0.975)
15 Road injuries	15 Lung cancer	160 (77.9 to 269)	88.8 (29 to 161)	-7.09 (-32.3 to 23.5)
16 Interpersonal violence	16 Alzheimer's disease	306 (228 to 399)	195 (144 to 246)	4.29 (2.15 to 6.85)
17 Falls	17 Neck pain	94.5 (70.2 to 121)	41.3 (29.8 to 53.5)	-0.118 (-0.334 to 0.0836)
18 Age-related hearing loss	18 Congenital defects	-24.3 (-38.1 to -8.18)	-45.1 (-52.1 to -36.4)	-22.8 (-31.8 to -11.9)
19 Neck pain	19 Lower respiratory infect	15.8 (-8.82 to 45.4)	-15.8 (-32.2 to 5.19)	-33.6 (-47.3 to -15.7)
20 Other musculoskeletal	20 Colorectal cancer	185 (85.5 to 323)	107 (33.6 to 192)	3.33 (-28.9 to 42.8)
21 Hypertensive heart disease	26 Falls			
22 Lung cancer	27 Road injuries			
27 Colorectal cancer	30 Interpersonal violence			
35 Alzheimer's disease	155 COVID-19			

### Qatar, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	738 (638 to 869)	265 (224 to 316)	4.31 (-9.86 to 21.9)
2 Road injuries	2 Ischemic heart disease	357 (214 to 543)	98.8 (36 to 182)	-49.3 (-65.8 to -21.8)
3 Low back pain	3 Low back pain	195 (165 to 233)	28.5 (16.5 to 41.4)	-0.523 (-1.19 to 0.226)
4 Depressive disorders	4 Chronic kidney disease	1110 (787 to 1600)	428 (289 to 641)	22.5 (-12.9 to 84.1)
5 Ischemic heart disease	5 Road injuries	120 (44.2 to 249)	-4.09 (-36.4 to 53.3)	-17.1 (-46.9 to 33.2)
6 Headache disorders	6 Depressive disorders	136 (111 to 165)	2.58 (-6.06 to 12.7)	1.4 (0.163 to 2.9)
7 Anxiety disorders	7 Other musculoskeletal	249 (197 to 297)	51.9 (32.7 to 73.3)	26.2 (24.6 to 27.8)
8 Other musculoskeletal	8 Stroke	389 (297 to 493)	113 (75.7 to 155)	-42.5 (-53.5 to -26)
9 COVID-19	9 Age-related hearing loss	421 (356 to 489)	126 (101 to 153)	-0.502 (-1.03 to 0.0533)
10 Falls	10 Headache disorders	123 (102 to 147)	-2.84 (-9.05 to 6.66)	4.29 (2.44 to 5.91)
11 Gynecological diseases	11 Liver cancer	1150 (921 to 1400)	442 (345 to 550)	23.3 (2.28 to 50.5)
12 Neonatal disorders	12 Anxiety disorders	127 (103 to 154)	-1.28 (-8.37 to 8.05)	4.1 (2.56 to 6.03)
13 Stroke	13 Alzheimer's disease	1740 (1450 to 2080)	698 (584 to 840)	5.84 (1.65 to 9.81)
14 Neck pain	14 Falls	143 (108 to 183)	5.81 (-8.27 to 22.2)	-20.7 (-29.6 to -8.79)
15 Congenital defects	15 Blindness and vision loss	473 (389 to 565)	149 (115 to 182)	-3.6 (-4.18 to -2.96)
16 Age-related hearing loss	16 Gynecological diseases	148 (107 to 202)	7.72 (-10.9 to 34)	30.4 (9.59 to 56)
17 Oral disorders	17 Lung cancer	746 (510 to 1070)	268 (170 to 405)	-5.87 (-30 to 22.1)
18 Schizophrenia	18 COPD	814 (590 to 1070)	298 (207 to 412)	-1.09 (-25.7 to 33.1)
19 Chronic kidney disease	19 Cirrhosis liver	488 (395 to 583)	156 (116 to 201)	-29.2 (-38.4 to -17.9)
20 Mechanical forces	20 Neck pain	202 (151 to 267)	31.3 (11.5 to 55.7)	5.66 (3.44 to 8.19)
22 Blindness and vision loss	22 Oral disorders			
25 Cirrhosis liver	27 Neonatal disorders			
31 Liver cancer	30 Schizophrenia			
33 Lung cancer	31 Congenital defects			
37 COPD	40 Mechanical forces			
43 Alzheimer's disease	151 COVID-19			



### Saudi Arabia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	76.1 (11.1 to 171)	46.9 (-2.09 to 120)	-41.9 (-62.2 to -9.13)
2 Road injuries	2 Chronic kidney disease	334 (200 to 512)	262 (154 to 409)	30 (-7.02 to 91.5)
3 Stroke	3 Diabetes	308 (231 to 386)	240 (196 to 287)	41 (24 to 59.4)
4 Diabetes	4 Road injuries	23.3 (-22.2 to 93.8)	2.92 (-33.4 to 60.4)	-6.44 (-40.8 to 54.6)
5 Chronic kidney disease	5 Hypertensive heart disease	455 (278 to 671)	363 (226 to 532)	27.1 (-11.1 to 82.8)
6 Low back pain	6 Stroke	97.3 (45.2 to 169)	64.4 (24.5 to 120)	-42.7 (-56.1 to -20.8)
7 Depressive disorders	7 Low back pain	63.7 (39.4 to 90.3)	36.5 (23.7 to 51)	-1.95 (-2.23 to -1.64)
8 Falls	8 Falls	80 (49 to 108)	50 (36.1 to 64.1)	-4.38 (-9.08 to 0.281)
9 Headache disorders	9 COPD	344 (220 to 527)	271 (171 to 414)	11.5 (-21.9 to 56.5)
10 Anxiety disorders	10 Lower respiratory infect	163 (97.1 to 257)	119 (69.7 to 188)	-7.28 (-27.1 to 20.3)
11 Gynecological diseases	11 Cirrhosis liver	141 (95.8 to 206)	101 (68 to 136)	-23 (-32.4 to -9.68)
12 Interpersonal violence	12 Depressive disorders	29.2 (8.28 to 50.8)	7.66 (-2.24 to 19.3)	-0.266 (-0.738 to 0.263)
13 Cirrhosis liver	13 Blindness and vision loss	229 (166 to 286)	174 (138 to 206)	-4 (-4.28 to -3.69)
14 Hypertensive heart disease	14 Alzheimer's disease	781 (576 to 983)	634 (516 to 753)	13 (10.5 to 15.5)
15 Lower respiratory infect	15 Age-related hearing loss	190 (140 to 243)	142 (114 to 174)	-1.09 (-1.23 to -0.945)
16 Other musculoskeletal	16 Other musculoskeletal	89.6 (56.2 to 128)	58.1 (33 to 86.8)	38.3 (34.7 to 41.4)
17 Self-harm	17 Headache disorders	15.9 (-3.02 to 35.6)	-3.38 (-11 to 9.1)	1.83 (1.16 to 2.37)
18 Neonatal disorders	18 Anxiety disorders	14.6 (-3.71 to 32.8)	-4.44 (-13.3 to 5.83)	2.38 (1.76 to 2.96)
19 Neck pain	19 Gynecological diseases	3.09 (-24.5 to 32.7)	-14 (-35.9 to 9.19)	0.23 (-23 to 23.6)
20 Mechanical forces	20 Neck pain	63.6 (33.4 to 102)	36.4 (15.4 to 61.2)	2.99 (2.32 to 3.76)
21 Age-related hearing loss	27 Self-harm			
22 Blindness and vision loss	28 Interpersonal violence			
24 COPD	29 Mechanical forces			
46 Alzheimer's disease	34 Neonatal disorders			

### Sudan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 HIV/AIDS	458 (-36.3 to 3080)	274 (-56.7 to 1930)	199 (-64.5 to 1640)
2 Ischemic heart disease	2 Ischemic heart disease	80 (-0.336 to 189)	19.9 (-31.1 to 97.8)	-40.3 (-68 to 3.54)
3 Congenital defects	3 Diabetes	<b>322 (247 to 404)</b>	<b>180 (138 to 222)</b>	<b>44.2 (24.6 to 64.9)</b>
4 Malaria	4 Stroke	<b>63.7 (12 to 133)</b>	8.89 (-21 to 50.8)	<b>-42.9 (-60.2 to -16.3)</b>
5 COVID-19	5 Neonatal disorders	<b>-46.5 (-67.1 to -18)</b>	<b>-64.5 (-77.3 to -45)</b>	<b>-41.3 (-61.7 to -7.94)</b>
6 Stroke	6 Congenital defects	<b>-39.5 (-53.5 to -22.3)</b>	<b>-59.9 (-66.5 to -51.9)</b>	<b>-33.9 (-41.7 to -24.6)</b>
7 Lower respiratory infect	7 Low back pain	<b>94.4 (62.4 to 128)</b>	<b>29.1 (21.2 to 38)</b>	<b>-5.1 (-5.39 to -4.76)</b>
8 Road injuries	8 Hypertensive heart disease	<b>226 (109 to 365)</b>	<b>117 (43.7 to 212)</b>	-0.817 (-37.3 to 51.9)
9 HIV/AIDS	9 Chronic kidney disease	<b>233 (113 to 384)</b>	<b>121 (47.1 to 230)</b>	24.2 (-20.7 to 93.8)
10 Low back pain	10 Road injuries	36 (-19.5 to 126)	-9.49 (-45.9 to 47.3)	-26 (-55.5 to 19.9)
11 Depressive disorders	11 Depressive disorders	<b>76.9 (49.7 to 109)</b>	<b>17.5 (10.7 to 25.7)</b>	<b>-2.68 (-3.03 to -2.32)</b>
12 Headache disorders	12 Other musculoskeletal	<b>283 (218 to 350)</b>	<b>154 (137 to 177)</b>	<b>73.5 (69.7 to 77.1)</b>
13 Anxiety disorders	13 Headache disorders	<b>70.6 (41.5 to 106)</b>	<b>13.3 (5.56 to 28.9)</b>	<b>0.357 (0.0741 to 0.676)</b>
14 Diabetes	14 Anxiety disorders	<b>58.9 (30.2 to 91)</b>	5.48 (-2.19 to 14.7)	<b>1.33 (0.928 to 1.8)</b>
15 Gynecological diseases	15 Gynecological diseases	<b>59.3 (16.5 to 111)</b>	5.93 (-19.7 to 34.9)	-16 (-38 to 7.77)
16 Dietary iron deficiency	16 Lower respiratory infect	<b>-31.9 (-53.5 to -7.33)</b>	<b>-54.8 (-67.4 to -42)</b>	<b>-50.6 (-62.8 to -34.1)</b>
17 Diarrheal diseases	17 Age-related hearing loss	<b>151 (107 to 197)</b>	<b>67 (48.6 to 85.4)</b>	<b>-1.98 (-2.28 to -1.68)</b>
18 Hypertensive heart disease	18 Malaria	18.7 (-61.6 to 53.3)	<b>-21.5 (-72.7 to -6.53)</b>	-6.53 (-71.4 to 5.92)
19 Conflict & terror	19 COPD	<b>127 (53.3 to 214)</b>	<b>51 (4.43 to 112)</b>	-25.6 (-49.5 to 14.6)
20 Chronic kidney disease	20 Neck pain	<b>119 (86.2 to 154)</b>	<b>45.6 (32.2 to 59.6)</b>	0.492 (-0.437 to 1.36)
22 Other musculoskeletal	21 Dietary iron deficiency			
25 COPD	27 Conflict & terror			
26 Age-related hearing loss	43 Diarrheal diseases			
28 Neck pain	166 COVID-19			

### Syria, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Conflict & terror	1 Conflict & terror	26900 (-97.2 to 5280)	25300 (-97.4 to 4450)	4600 (-96.9 to 4380)
2 Ischemic heart disease	2 Ischemic heart disease	21.9 (-26 to 84.8)	6.26 (-34.1 to 58.2)	-30.6 (-61.6 to 18.7)
3 Stroke	3 Diabetes	<b>179 (123 to 241)</b>	<b>142 (113 to 178)</b>	<b>75.6 (53.9 to 99.8)</b>
4 Diabetes	4 Leishmaniasis	<b>709 (324 to 1150)</b>	<b>600 (307 to 914)</b>	<b>580 (303 to 872)</b>
5 Low back pain	5 Stroke	16.5 (-16.8 to 54.2)	1.29 (-25.4 to 35.2)	<b>-35.8 (-56 to -5.7)</b>
6 Chronic kidney disease	6 Chronic kidney disease	<b>133 (66.4 to 207)</b>	<b>103 (45.9 to 174)</b>	31.4 (-11.5 to 97.8)
7 Depressive disorders	7 Low back pain	<b>34.9 (10.7 to 61.4)</b>	<b>16.9 (9.16 to 26.2)</b>	<b>-2.74 (-3.37 to -2.11)</b>
8 Headache disorders	8 Hypertensive heart disease	<b>139 (70.9 to 218)</b>	<b>108 (52.1 to 181)</b>	15.5 (-23.3 to 77.6)
9 Anxiety disorders	9 Depressive disorders	22.1 (-2.96 to 48.2)	5.73 (-0.269 to 12.4)	<b>-1.77 (-3.04 to -0.574)</b>
10 Neonatal disorders	10 COPD	<b>69.8 (20.2 to 125)</b>	<b>47.7 (5.13 to 92.7)</b>	-10.9 (-41 to 28.5)
11 Road injuries	11 Headache disorders	18.8 (-4.29 to 45.3)	2.97 (-2.49 to 11.8)	-0.692 (-1.47 to 0.233)
12 Lower respiratory infect	12 Alzheimer's disease	<b>181 (99.2 to 298)</b>	<b>143 (79.5 to 221)</b>	<b>6.42 (4.17 to 9.42)</b>
13 Gynecological diseases	13 Anxiety disorders	13.5 (-9.57 to 37.5)	-1.72 (-7.44 to 3.95)	-0.742 (-1.93 to 0.604)
14 COVID-19	14 Age-related hearing loss	<b>69 (33.6 to 110)</b>	<b>46.5 (27.5 to 70.5)</b>	<b>-1.49 (-1.82 to -1.14)</b>
15 Congenital defects	15 Gynecological diseases	10.9 (-22.8 to 45.2)	-3.58 (-31.3 to 23.6)	-21.1 (-42.6 to 2.81)
16 COPD	16 Other musculoskeletal	<b>77.9 (42.8 to 113)</b>	<b>54.3 (39.8 to 68.4)</b>	<b>31.5 (26.2 to 35.5)</b>
17 Hypertensive heart disease	17 Blindness and vision loss	<b>67.1 (32.9 to 108)</b>	<b>44.8 (25.3 to 66.4)</b>	<b>-3.32 (-3.69 to -2.9)</b>
18 Age-related hearing loss	18 Road injuries	-10.2 (-47.5 to 48)	-21.8 (-51.5 to 27.4)	-23.5 (-53.7 to 28.4)
19 Neck pain	19 Lower respiratory infect	-5.85 (-30.2 to 20.1)	-18.3 (-34.9 to 0.873)	<b>-38.7 (-53.3 to -16.2)</b>
20 Cirrhosis liver	20 Neck pain	<b>38.5 (11.7 to 68.1)</b>	<b>20.1 (10.3 to 32.6)</b>	1.71 (-0.157 to 3.36)
21 Blindness and vision loss	22 Neonatal disorders			
22 Other musculoskeletal	23 Cirrhosis liver			
25 Leishmaniasis	30 Congenital defects			
29 Alzheimer's disease	163 COVID-19			

### Tunisia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	14.8 (-28.8 to 67.9)	14.7 (-24.8 to 70.4)	<b>-45.9 (-64.7 to -16.4)</b>
2 COVID-19	2 Diabetes	<b>155 (115 to 193)</b>	<b>155 (130 to 182)</b>	<b>56.2 (43.2 to 69.1)</b>
3 Stroke	3 Stroke	19.9 (-10.8 to 59)	19.7 (-6.52 to 56.6)	<b>-44.4 (-56 to -25.8)</b>
4 Diabetes	4 Hypertensive heart disease	<b>153 (73.2 to 254)</b>	<b>152 (78.6 to 245)</b>	9.01 (-23.8 to 55.5)
5 Depressive disorders	5 Chronic kidney disease	<b>146 (72.3 to 246)</b>	<b>146 (75.6 to 243)</b>	16.1 (-19.6 to 73.1)
6 Road injuries	6 Alzheimer's disease	<b>221 (141 to 306)</b>	<b>220 (153 to 284)</b>	<b>7.65 (5.33 to 9.95)</b>
7 Low back pain	7 Low back pain	<b>23.1 (6.68 to 41)</b>	<b>22.9 (15.4 to 30.4)</b>	<b>-4.69 (-4.87 to -4.47)</b>
8 Neonatal disorders	8 Depressive disorders	9.87 (-4.79 to 25.3)	<b>9.67 (3.96 to 16.7)</b>	<b>-2.41 (-2.69 to -2.15)</b>
9 Headache disorders	9 Other musculoskeletal	<b>88.6 (61.8 to 114)</b>	<b>88.3 (75.3 to 103)</b>	<b>54.6 (51.9 to 56.7)</b>
10 Hypertensive heart disease	10 COPD	<b>100 (44.6 to 170)</b>	<b>99.8 (49.7 to 164)</b>	-8.7 (-33.4 to 24.5)
11 Chronic kidney disease	11 Road injuries	<b>-12.4 (-41.8 to 33.5)</b>	<b>-12.5 (-38.9 to 30.1)</b>	<b>-17.7 (-43.9 to 24)</b>
12 Gynecological diseases	12 Age-related hearing loss	<b>78.3 (51.5 to 104)</b>	<b>78 (60.3 to 95.3)</b>	<b>-1.33 (-1.44 to -1.22)</b>
13 Anxiety disorders	13 Lung cancer	<b>51.9 (6.95 to 108)</b>	<b>51.6 (12 to 99.6)</b>	-13.1 (-32.9 to 11)
14 Other musculoskeletal	14 Headache disorders	-0.691 (-13 to 15.5)	-0.872 (-6.47 to 8.1)	-0.119 (-0.359 to 0.107)
15 Congenital defects	15 Blindness and vision loss	<b>74.2 (46.3 to 99.6)</b>	<b>73.9 (52.6 to 89.6)</b>	<b>-6.01 (-6.43 to -5.58)</b>
16 Lung cancer	16 Anxiety disorders	-1.46 (-16 to 12.9)	-1.65 (-7.12 to 5.51)	<b>0.441 (0.101 to 0.75)</b>
17 Age-related hearing loss	17 Oral disorders	<b>46.3 (25.9 to 67)</b>	<b>46 (33.9 to 58.5)</b>	<b>0.643 (0.372 to 0.909)</b>
18 COPD	18 Gynecological diseases	-19.6 (-40.9 to 5.82)	-19.7 (-38.2 to 2.63)	-16.6 (-35 to 2.9)
19 Alzheimer's disease	19 Lower respiratory infect	<b>28.2 (-0.165 to 66.7)</b>	<b>28 (2.53 to 61.7)</b>	<b>-37.7 (-48.2 to -21.9)</b>
20 Neck pain	20 Neck pain	<b>20.4 (2.01 to 38.3)</b>	<b>20.2 (8.78 to 32.1)</b>	<b>-0.809 (-1.22 to -0.36)</b>
21 Lower respiratory infect	26 Neonatal disorders			
22 Blindness and vision loss	30 Congenital defects			
24 Oral disorders	156 COVID-19			

### Türkiye, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	120 (88.3 to 151)	120 (94.8 to 144)	25.8 (12.3 to 41.7)
2 Stroke	2 Ischemic heart disease	-15.7 (-41.7 to 20.3)	-15.5 (-41.7 to 21.4)	-60.1 (-73.3 to -37.4)
3 Diabetes	3 COPD	99.9 (52.7 to 155)	100 (54.4 to 160)	-9.21 (-32.2 to 22.2)
4 Low back pain	4 Stroke	5.65 (-13.1 to 26.8)	5.82 (-12.8 to 27.4)	-49.6 (-58.7 to -35.4)
5 COVID-19	5 Lung cancer	45.4 (2.56 to 90.9)	45.3 (6.9 to 85.9)	-18 (-38.7 to 2.28)
6 Lung cancer	6 Alzheimer's disease	192 (131 to 252)	192 (146 to 240)	7.32 (4.77 to 10.1)
7 COPD	7 Low back pain	22.9 (11.1 to 35.9)	22.9 (17.1 to 28.8)	-3.95 (-4.05 to -3.87)
8 Depressive disorders	8 Chronic kidney disease	102 (50.8 to 174)	102 (50.2 to 188)	-4.5 (-31.9 to 41.4)
9 Neonatal disorders	9 Hypertensive heart disease	170 (99.8 to 262)	170 (99.3 to 273)	9.77 (-22.6 to 62.6)
10 Headache disorders	10 Other musculoskeletal	79.8 (62.3 to 95.9)	79.9 (68.9 to 90.9)	46.8 (44.6 to 48.9)
11 Gynecological diseases	11 Age-related hearing loss	72.6 (52.3 to 93.8)	72.7 (61.2 to 87.7)	-1.1 (-1.19 to -1)
12 Other musculoskeletal	12 Depressive disorders	4.1 (-7.03 to 15.2)	4.17 (-0.618 to 9.68)	-2.18 (-2.3 to -2.01)
13 Chronic kidney disease	13 Headache disorders	-0.548 (-10.3 to 9.89)	-0.465 (-5.53 to 8.3)	0.306 (0.16 to 0.432)
14 Anxiety disorders	14 Colorectal cancer	96.2 (27.1 to 171)	96 (34.7 to 165)	4.65 (-24.8 to 37.6)
15 Age-related hearing loss	15 Lower respiratory infect	38.6 (10.9 to 72.3)	38.7 (14.8 to 77)	-35.2 (-47.1 to -15.5)
16 Congenital defects	16 Oral disorders	47.3 (30.6 to 65.2)	47.4 (37.1 to 58.1)	0.827 (0.642 to 1.02)
17 Road injuries	17 Pancreatic cancer	162 (74.5 to 259)	162 (88.9 to 258)	41.3 (3.47 to 85.4)
18 Alzheimer's disease	18 Blindness and vision loss	62.8 (44.9 to 83.6)	62.8 (48.7 to 74.7)	-5.21 (-5.57 to -4.84)
19 Lower respiratory infect	19 Anxiety disorders	-2.6 (-13.9 to 8.45)	-2.54 (-8.13 to 4.46)	0.813 (0.73 to 0.894)
20 Neck pain	20 Neck pain	22.1 (8.21 to 36.4)	22.2 (11.8 to 32.2)	-0.577 (-0.774 to -0.394)
21 Oral disorders	23 Gynecological diseases			
22 Hypertensive heart disease	25 Neonatal disorders			
24 Colorectal cancer	26 Road injuries			
25 Blindness and vision loss	34 Congenital defects			
32 Pancreatic cancer	156 COVID-19			

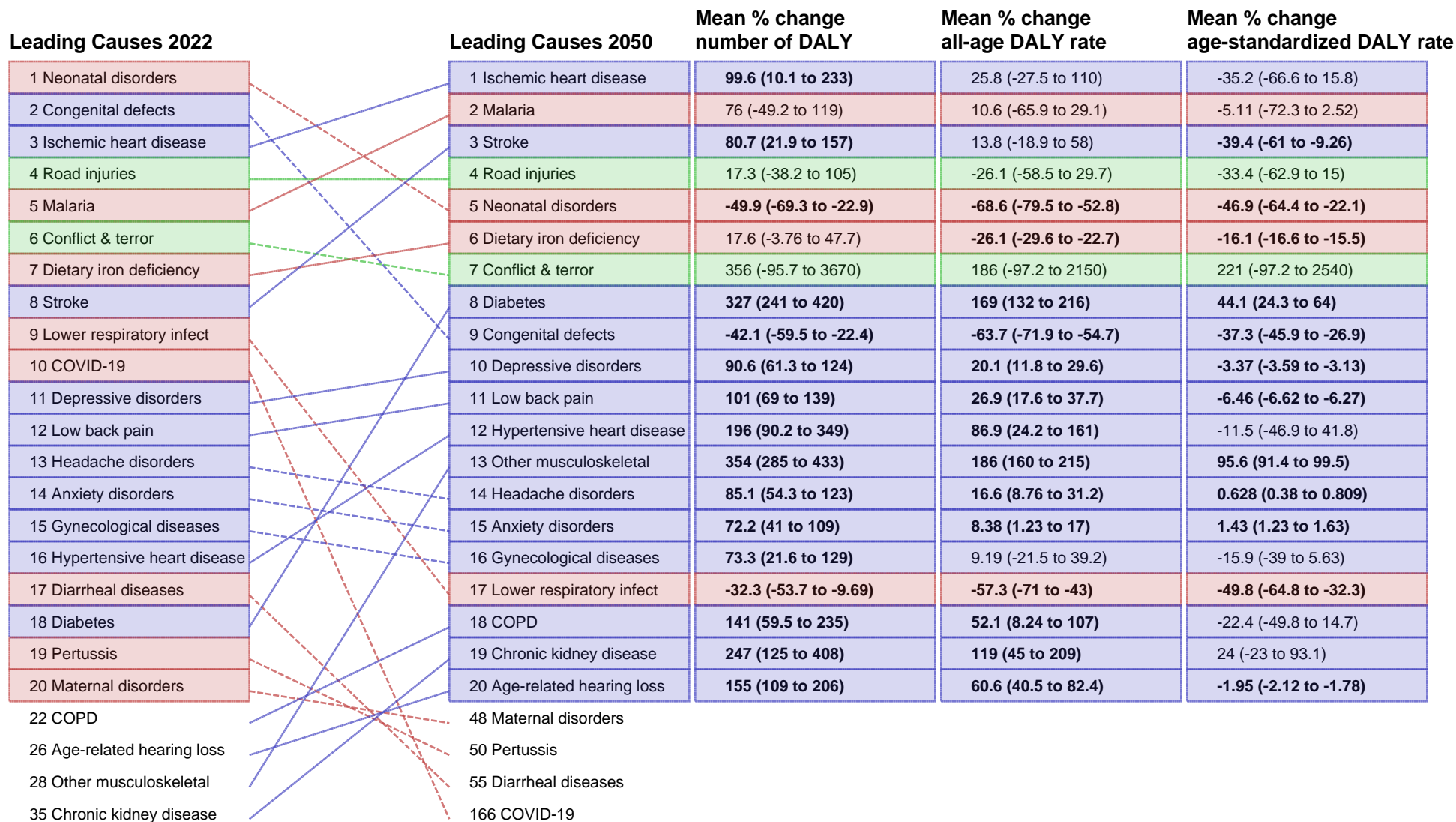
### United Arab Emirates, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	652 (519 to 801)	269 (220 to 333)	26 (8.17 to 43.1)
2 Road injuries	2 Ischemic heart disease	436 (256 to 735)	163 (73.2 to 288)	-52.2 (-68.6 to -23.1)
3 Low back pain	3 Stroke	490 (355 to 664)	190 (127 to 273)	-46.9 (-56.8 to -31.6)
4 Diabetes	4 Chronic kidney disease	1310 (829 to 1960)	592 (385 to 915)	11.1 (-23.8 to 61.3)
5 COVID-19	5 Hypertensive heart disease	1580 (996 to 2430)	727 (458 to 1120)	17.3 (-17.4 to 79.9)
6 Depressive disorders	6 Lower respiratory infect	981 (705 to 1290)	431 (304 to 581)	-23.6 (-39.7 to -4.98)
7 Headache disorders	7 Road injuries	157 (66 to 307)	26 (-16.2 to 97.2)	-4.55 (-38.7 to 51.9)
8 Other musculoskeletal	8 Low back pain	150 (110 to 195)	22.6 (9.33 to 37.8)	0.743 (-0.227 to 1.72)
9 Stroke	9 COPD	702 (485 to 1020)	294 (198 to 457)	-10 (-32.8 to 22.4)
10 Anxiety disorders	10 Age-related hearing loss	371 (285 to 471)	131 (97.1 to 172)	-0.827 (-1.21 to -0.424)
11 Falls	11 Depressive disorders	95.9 (65 to 126)	-3.81 (-13.7 to 5.87)	1.69 (0.308 to 3.18)
12 Gynecological diseases	12 Alzheimer's disease	1990 (1510 to 2540)	925 (740 to 1170)	2.57 (-0.919 to 5.9)
13 Oral disorders	13 Other musculoskeletal	160 (108 to 225)	27.5 (8.24 to 51.7)	19.4 (17.4 to 21.3)
14 Neck pain	14 Headache disorders	88.1 (63 to 113)	-7.59 (-14.2 to 0.889)	3.97 (2.39 to 5.25)
15 Asthma	15 Liver cancer	710 (526 to 896)	298 (225 to 398)	16.4 (-0.819 to 38.5)
16 Neonatal disorders	16 Oral disorders	213 (155 to 283)	53.7 (30.2 to 78.5)	-0.129 (-0.523 to 0.323)
17 Age-related hearing loss	17 Pancreatic cancer	961 (556 to 1480)	421 (234 to 642)	14.8 (-22.5 to 55.1)
18 Congenital defects	18 Falls	127 (86.1 to 174)	11.4 (-5.45 to 27.5)	-17.6 (-28.1 to -6.36)
19 COPD	19 Blindness and vision loss	414 (308 to 517)	152 (108 to 196)	-1.4 (-2.01 to -0.451)
20 Schizophrenia	20 Lung cancer	670 (409 to 978)	278 (160 to 411)	-11.6 (-35.1 to 15.2)
22 Chronic kidney disease	21 Anxiety disorders			
23 Lower respiratory infect	24 Neck pain			
24 Blindness and vision loss	26 Gynecological diseases			
30 Hypertensive heart disease	30 Neonatal disorders			
32 Liver cancer	31 Asthma			
34 Lung cancer	38 Congenital defects			
42 Pancreatic cancer	39 Schizophrenia			

### Yemen, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries



### Bangladesh, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Stroke	28.8 (-4.1 to 65.3)	20.3 (-9.29 to 56.3)	-42.6 (-58.3 to -20.3)
2 Stroke	2 Diabetes	143 (96.4 to 193)	127 (90.7 to 160)	21.5 (2.36 to 44)
3 Ischemic heart disease	3 Other musculoskeletal	151 (110 to 187)	134 (118 to 149)	67.5 (63.7 to 71.2)
4 Lower respiratory infect	4 Ischemic heart disease	15 (-28.6 to 83.3)	7.62 (-35.9 to 70.8)	-45.5 (-69.3 to -7.32)
5 COPD	5 COPD	75.9 (28.1 to 142)	64.4 (17.9 to 120)	-26 (-49.2 to 8.92)
6 Diabetes	6 Low back pain	46.1 (22.1 to 69.6)	36.2 (28.6 to 45.4)	-5.47 (-5.82 to -5.16)
7 Low back pain	7 Depressive disorders	35.3 (11.8 to 56.5)	26.1 (18.6 to 35.5)	-3.3 (-3.64 to -3)
8 Other musculoskeletal	8 Neonatal disorders	-62.9 (-71.9 to -52.9)	-65.4 (-71.2 to -58.3)	-45.2 (-53.9 to -35.5)
9 Depressive disorders	9 Age-related hearing loss	84.5 (50.8 to 119)	71.9 (56.4 to 88.8)	-1.71 (-1.92 to -1.49)
10 Cirrhosis liver	10 Blindness and vision loss	94.7 (58.2 to 133)	81.5 (64.3 to 98.2)	-6.23 (-6.68 to -5.75)
11 COVID-19	11 Cirrhosis liver	4.45 (-17.1 to 28.7)	-2.52 (-21.4 to 22.3)	-37.1 (-50.7 to -20.1)
12 Diarrheal diseases	12 Headache disorders	15.9 (-5.18 to 41.1)	8 (0.222 to 26.4)	0.438 (0.164 to 0.718)
13 Headache disorders	13 Alzheimer's disease	211 (131 to 298)	189 (125 to 256)	1.56 (-3.03 to 6.82)
14 Tuberculosis	14 Diarrheal diseases	3.11 (-33.4 to 45.9)	-3.61 (-41.6 to 32.3)	-38.5 (-62.1 to -5.18)
15 Congenital defects	15 Hypertensive heart disease	143 (69.6 to 253)	127 (52.1 to 222)	-3.77 (-39.6 to 46.3)
16 Dietary iron deficiency	16 Chronic kidney disease	125 (54.4 to 219)	110 (41.6 to 204)	17.4 (-25.3 to 83.1)
17 Age-related hearing loss	17 Lower respiratory infect	-47.1 (-60.8 to -29.4)	-50.7 (-62.4 to -36.7)	-62.5 (-70.8 to -51)
18 Rheumatic heart disease	18 Dietary iron deficiency	0.645 (-18.3 to 18.6)	-6.3 (-12.2 to 0.878)	-18.4 (-19.1 to -17.6)
19 Anxiety disorders	19 Anxiety disorders	24.1 (1.87 to 46.9)	15.7 (7.71 to 25.6)	1.24 (0.882 to 1.52)
20 Blindness and vision loss	20 Osteoarthritis	121 (82 to 157)	106 (89.9 to 121)	6.5 (6.09 to 6.99)
27 Chronic kidney disease	22 Rheumatic heart disease			
28 Hypertensive heart disease	26 Tuberculosis			
31 Alzheimer's disease	29 Congenital defects			
35 Osteoarthritis	161 COVID-19			



### Bhutan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 COPD	91.5 (37.8 to 155)	68.6 (17.8 to 131)	-25 (-51.6 to 13.2)
2 COVID-19	2 Ischemic heart disease	22 (-29.2 to 99.1)	7.48 (-39.1 to 81)	-47.8 (-72.1 to -3.59)
3 Ischemic heart disease	3 Other musculoskeletal	192 (153 to 235)	157 (139 to 177)	89.1 (83.9 to 94.2)
4 COPD	4 Diabetes	128 (86.5 to 175)	101 (64.1 to 141)	4.53 (-14.7 to 31.1)
5 Stroke	5 Stroke	32.9 (-1.17 to 77.1)	17 (-14.6 to 60.9)	-45.1 (-61.6 to -22)
6 Dietary iron deficiency	6 Low back pain	54.2 (34.4 to 73)	35.4 (26.9 to 45.4)	-6.27 (-6.49 to -6.05)
7 Low back pain	7 Depressive disorders	46.3 (27.8 to 65.3)	28.5 (19.2 to 39.9)	-3.03 (-3.27 to -2.76)
8 Diabetes	8 Falls	77.1 (43.6 to 115)	55.6 (29.4 to 80.1)	-11.7 (-21 to -0.998)
9 Cirrhosis liver	9 Chronic kidney disease	132 (52.2 to 228)	104 (29.2 to 201)	8.82 (-34.2 to 72.7)
10 Lower respiratory infect	10 Age-related hearing loss	94.5 (68.3 to 119)	70.8 (56.9 to 85.4)	-1.77 (-1.9 to -1.62)
11 Diarrheal diseases	11 Cirrhosis liver	13.9 (-10.7 to 43.6)	0.109 (-21.5 to 30.4)	-35.5 (-49.4 to -15.9)
12 Other musculoskeletal	12 Neonatal disorders	-64.2 (-73.4 to -55.4)	-68.6 (-75 to -61.3)	-44.6 (-54.3 to -31.8)
13 Depressive disorders	13 Dietary iron deficiency	-11.7 (-25.3 to 0.149)	-22.5 (-28.4 to -16.4)	-15.6 (-16.5 to -14.9)
14 Headache disorders	14 Headache disorders	20.9 (2.58 to 40.7)	6.19 (-1.45 to 24.6)	1.36 (0.827 to 1.59)
15 Falls	15 Alzheimer's disease	193 (128 to 254)	157 (107 to 214)	4.36 (-1.44 to 10.6)
16 Congenital defects	16 Hypertensive heart disease	121 (52.3 to 205)	94.4 (29.3 to 177)	-13 (-46.2 to 34.2)
17 Road injuries	17 Lower respiratory infect	-33.2 (-54.6 to -4.93)	-41.2 (-59.4 to -15.1)	-57.7 (-68.2 to -42.1)
18 Age-related hearing loss	18 Blindness and vision loss	98.1 (70.9 to 122)	74 (59.7 to 89)	-7.97 (-8.77 to -7.15)
19 Tuberculosis	19 Anxiety disorders	30.2 (11.8 to 51.2)	14.2 (4.87 to 26.3)	2.12 (1.88 to 2.38)
20 Chronic kidney disease	20 Diarrheal diseases	-35.9 (-58.9 to -8.53)	-43.6 (-65 to -15.3)	-61.9 (-75.9 to -41.5)
22 Anxiety disorders	24 Road injuries			
28 Blindness and vision loss	34 Congenital defects			
32 Hypertensive heart disease	38 Tuberculosis			
33 Alzheimer's disease	164 COVID-19			

### India, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 COPD	63.3 (18.1 to 112)	47.6 (9.91 to 98.4)	-31.3 (-51.7 to 2.17)
2 Ischemic heart disease	2 Ischemic heart disease	-3.5 (-43.6 to 50.1)	-12.6 (-47.8 to 39.9)	-53.1 (-73.9 to -18.3)
3 COPD	3 Other musculoskeletal	145 (110 to 179)	121 (107 to 135)	66 (62.4 to 69.7)
4 Lower respiratory infect	4 Diabetes	92.2 (60.8 to 126)	73.5 (51.8 to 101)	-1.7 (-14.7 to 18.1)
5 Stroke	5 Stroke	12.7 (-11.6 to 44.2)	1.82 (-20.1 to 32.1)	-47 (-60.6 to -30.3)
6 Diarrheal diseases	6 Neonatal disorders	-51 (-61.4 to -40.5)	-55.8 (-63.2 to -47)	-31.8 (-42.4 to -19)
7 Diabetes	7 Falls	76.3 (39.9 to 114)	59.1 (35.6 to 81.2)	-10.8 (-19.2 to -1.64)
8 Tuberculosis	8 Low back pain	47.1 (27 to 68.1)	32.7 (25.1 to 41.1)	-6.15 (-6.52 to -5.72)
9 Dietary iron deficiency	9 Blindness and vision loss	84 (53.5 to 116)	66 (50.7 to 81.3)	-6.54 (-7.04 to -6.05)
10 Other musculoskeletal	10 Lower respiratory infect	-32.6 (-46.2 to -15.7)	-39.2 (-50.5 to -26.4)	-55.3 (-63.7 to -43.3)
11 Road injuries	11 Diarrheal diseases	-15.4 (-41.5 to 17.5)	-23.5 (-48.2 to 10.2)	-52 (-70.3 to -24.8)
12 Falls	12 Cirrhosis liver	34.8 (6.95 to 68.8)	21.7 (-2.95 to 50.5)	-15.9 (-32.5 to 5.77)
13 Cirrhosis liver	13 Age-related hearing loss	80.5 (53.5 to 109)	62.8 (50 to 76.2)	-1.45 (-1.62 to -1.32)
14 Self-harm	14 Depressive disorders	35.1 (15.7 to 54.9)	21.8 (15.9 to 28.8)	-4.67 (-5.08 to -4.33)
15 Low back pain	15 Dietary iron deficiency	0.877 (-13.4 to 16.5)	-9.04 (-11.5 to -6.8)	-13.6 (-14.2 to -12.7)
16 COVID-19	16 Road injuries	-0.251 (-38.4 to 49.1)	-9.78 (-42.7 to 42.8)	-20 (-51.5 to 29.4)
17 Depressive disorders	17 Headache disorders	18.2 (0.589 to 41.3)	6.61 (0.42 to 22.7)	0.583 (0.292 to 0.775)
18 Headache disorders	18 Chronic kidney disease	89.4 (31.2 to 165)	71.2 (19.1 to 145)	-2.81 (-35.1 to 44.5)
19 Congenital defects	19 Self-harm	-10 (-33.6 to 16.8)	-18.8 (-38.2 to 6.29)	-19.1 (-40 to 8.59)
20 Blindness and vision loss	20 Alzheimer's disease	189 (120 to 275)	161 (115 to 209)	-6.92 (-11.4 to -2.69)
21 Age-related hearing loss	21 Tuberculosis			
25 Chronic kidney disease	31 Congenital defects			
34 Alzheimer's disease	166 COVID-19			

### Nepal, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 COPD	27.8 (-10.4 to 72.9)	22.8 (-14.1 to 67.6)	<b>-45.8 (-62.8 to -19.8)</b>
2 Ischemic heart disease	2 Diabetes	<b>118 (82.2 to 165)</b>	<b>110 (77.4 to 142)</b>	13 (-3.98 to 31.8)
3 COPD	3 Ischemic heart disease	-5.35 (-44.7 to 54.6)	-8.98 (-44.6 to 51.1)	<b>-55.2 (-74.9 to -20)</b>
4 Stroke	4 Other musculoskeletal	<b>175 (137 to 218)</b>	<b>164 (146 to 187)</b>	<b>84.4 (80 to 89.4)</b>
5 Lower respiratory infect	5 Low back pain	<b>42.6 (23.1 to 64.5)</b>	<b>37.1 (27.8 to 47)</b>	<b>-7.15 (-7.55 to -6.68)</b>
6 Low back pain	6 Stroke	3.1 (-22.5 to 38.4)	-0.882 (-26.5 to 31.5)	<b>-52.6 (-64.9 to -33.1)</b>
7 Diabetes	7 Depressive disorders	<b>38.2 (19.7 to 56.9)</b>	<b>32.8 (24.5 to 43.4)</b>	<b>-3.92 (-4.34 to -3.51)</b>
8 Depressive disorders	8 Cirrhosis liver	20.9 (-9.82 to 59.2)	16.2 (-10.2 to 51.7)	<b>-25.1 (-41.5 to -1.3)</b>
9 Cirrhosis liver	9 Neonatal disorders	<b>-71.9 (-79.9 to -64.1)</b>	<b>-73.1 (-78.9 to -67.7)</b>	<b>-50.2 (-58.4 to -41.1)</b>
10 Other musculoskeletal	10 Falls	<b>37.1 (9.36 to 70.2)</b>	<b>31.9 (8.63 to 66.3)</b>	<b>-19.1 (-28.2 to -8.76)</b>
11 Self-harm	11 Age-related hearing loss	<b>79.5 (52.5 to 108)</b>	<b>72.6 (55.5 to 91.9)</b>	<b>-1.84 (-2.09 to -1.62)</b>
12 Tuberculosis	12 Blindness and vision loss	<b>79.5 (55.4 to 103)</b>	<b>72.6 (57.6 to 88)</b>	<b>-6.7 (-7.45 to -5.79)</b>
13 Falls	13 Headache disorders	15.7 (-1.91 to 41.1)	<b>11.2 (2.72 to 32.2)</b>	0.0832 (-0.29 to 0.593)
14 Headache disorders	14 Chronic kidney disease	<b>88.8 (24.5 to 175)</b>	<b>81.5 (24.6 to 168)</b>	-1.91 (-34.4 to 54.6)
15 Dietary iron deficiency	15 Self-harm	-2.39 (-28 to 36.4)	-6.33 (-27.3 to 22.7)	<b>-12.3 (-33.8 to 17.1)</b>
16 COVID-19	16 Hypertensive heart disease	<b>123 (53 to 211)</b>	<b>114 (45.8 to 200)</b>	-7.84 (-41.2 to 38.2)
17 Diarrheal diseases	17 Lower respiratory infect	<b>-55.9 (-69.9 to -34.4)</b>	<b>-57.7 (-70.1 to -39.1)</b>	<b>-64.3 (-72.3 to -52)</b>
18 Asthma	18 Dietary iron deficiency	-14.1 (-27.9 to 0.00295)	<b>-17.6 (-23.2 to -12)</b>	<b>-19.9 (-20.9 to -18.6)</b>
19 Age-related hearing loss	19 Alzheimer's disease	<b>186 (114 to 265)</b>	<b>175 (110 to 243)</b>	<b>-6.55 (-11.4 to -1.36)</b>
20 Rheumatic heart disease	20 Anxiety disorders	<b>23.4 (3.35 to 45.1)</b>	<b>18.6 (8.97 to 29.9)</b>	<b>0.958 (0.416 to 1.52)</b>
21 Blindness and vision loss	24 Asthma			
22 Anxiety disorders	25 Tuberculosis			
25 Chronic kidney disease	27 Rheumatic heart disease			
31 Hypertensive heart disease	28 Diarrheal diseases			
36 Alzheimer's disease	162 COVID-19			

### Pakistan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	<b>-60.4 (-73.6 to -44.9)</b>	<b>-68 (-75.7 to -58)</b>	<b>-43.4 (-54.3 to -28.4)</b>
2 Lower respiratory infect	2 Ischemic heart disease	31.4 (-25.3 to 111)	6.97 (-40.7 to 83.5)	<b>-45.9 (-71.3 to -4.75)</b>
3 Ischemic heart disease	3 Diabetes	<b>168 (125 to 218)</b>	<b>117 (80.9 to 161)</b>	11.2 (-7.19 to 35.4)
4 Stroke	4 Stroke	<b>49.3 (10.9 to 99.3)</b>	21.5 (-9.83 to 74.4)	<b>-40.9 (-58.5 to -13.6)</b>
5 Tuberculosis	5 Other musculoskeletal	<b>241 (199 to 288)</b>	<b>177 (154 to 202)</b>	<b>86.7 (81.8 to 91.6)</b>
6 Dietary iron deficiency	6 COPD	<b>82 (28 to 147)</b>	<b>48.1 (7.72 to 103)</b>	<b>-37.2 (-59.7 to -6.58)</b>
7 Diarrheal diseases	7 Chronic kidney disease	<b>166 (71.5 to 289)</b>	<b>116 (41.6 to 228)</b>	27 (-21 to 101)
8 Diabetes	8 Low back pain	<b>67.8 (47.6 to 89.4)</b>	<b>36.3 (25.3 to 46)</b>	<b>-6.51 (-7.34 to -5.52)</b>
9 Road injuries	9 Dietary iron deficiency	-6.5 (-20.4 to 10.9)	<b>-24.2 (-27.5 to -20.4)</b>	<b>-17.7 (-18.3 to -16.8)</b>
10 Congenital defects	10 Depressive disorders	<b>60.3 (40.5 to 78.2)</b>	<b>30.2 (20.8 to 39.6)</b>	<b>-3.24 (-3.63 to -2.83)</b>
11 COPD	11 Road injuries	-16.9 (-52.2 to 37.6)	<b>-32.4 (-59.1 to 17.5)</b>	<b>-37 (-62.7 to 9.24)</b>
12 Cirrhosis liver	12 Headache disorders	<b>40 (20.3 to 64.7)</b>	<b>13.6 (7.16 to 29.9)</b>	<b>0.89 (0.497 to 1.13)</b>
13 Low back pain	13 Blindness and vision loss	<b>127 (99.8 to 161)</b>	<b>84.2 (61.3 to 105)</b>	<b>-8.65 (-9.35 to -8.04)</b>
14 COVID-19	14 Cirrhosis liver	5.24 (-17 to 32.1)	-14.4 (-32.3 to 9.4)	<b>-41.1 (-53.6 to -24.4)</b>
15 Depressive disorders	15 Lower respiratory infect	<b>-68.9 (-78.4 to -57.1)</b>	<b>-74.8 (-81.8 to -66.3)</b>	<b>-65.1 (-73.7 to -53.9)</b>
16 Headache disorders	16 Age-related hearing loss	<b>108 (83.2 to 137)</b>	<b>69.3 (50.7 to 88.5)</b>	<b>-1.77 (-1.98 to -1.56)</b>
17 Other musculoskeletal	17 Breast cancer	<b>111 (32.9 to 196)</b>	<b>71.4 (9.89 to 144)</b>	3 (-31.9 to 40.4)
18 Rheumatic heart disease	18 Diarrheal diseases	-33.6 (-62.7 to 11)	<b>-46 (-68.8 to -14.9)</b>	<b>-47.3 (-69 to -12.3)</b>
19 Chronic kidney disease	19 Anxiety disorders	<b>48.1 (30.7 to 67.8)</b>	<b>20.2 (12.8 to 27.7)</b>	<b>1.7 (1.52 to 1.93)</b>
20 Meningitis	20 Hypertensive heart disease	<b>162 (82.2 to 267)</b>	<b>113 (47.4 to 204)</b>	-8.47 (-41.8 to 37.6)
24 Anxiety disorders	22 Tuberculosis			
25 Age-related hearing loss	25 Congenital defects			
29 Blindness and vision loss	33 Rheumatic heart disease			
30 Breast cancer	59 Meningitis			
43 Hypertensive heart disease	164 COVID-19			

### China, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	3.1 (-16.5 to 24.4)	18.5 (-1.45 to 47.2)	<b>-44.8 (-54.2 to -30.9)</b>
2 Ischemic heart disease	2 COPD	<b>82.7 (40.3 to 126)</b>	<b>110 (66.8 to 165)</b>	-19.7 (-39.4 to 7.62)
3 COPD	3 Ischemic heart disease	-11.5 (-37.6 to 20.4)	1.79 (-27.8 to 42.1)	<b>-56.5 (-70.1 to -36.7)</b>
4 Lung cancer	4 Alzheimer's disease	<b>173 (127 to 231)</b>	<b>214 (172 to 263)</b>	-0.256 (-3.9 to 3.1)
5 Age-related hearing loss	5 Lung cancer	34.2 (-0.962 to 77.5)	<b>54 (16.4 to 99)</b>	-13.8 (-30.8 to 7.4)
6 Road injuries	6 Diabetes	<b>75.4 (54.4 to 95.3)</b>	<b>101 (84.8 to 117)</b>	<b>44.2 (33.1 to 54.7)</b>
7 Diabetes	7 Age-related hearing loss	<b>43.1 (27.9 to 60.4)</b>	<b>64.3 (53.1 to 75.9)</b>	<b>-0.821 (-0.969 to -0.67)</b>
8 Low back pain	8 Hypertensive heart disease	<b>140 (72.7 to 225)</b>	<b>176 (102 to 288)</b>	10.7 (-23.9 to 58.3)
9 Stomach cancer	9 Low back pain	8.16 (-2.97 to 20.7)	<b>24.3 (17.7 to 30.7)</b>	<b>-4.16 (-4.53 to -3.72)</b>
10 Alzheimer's disease	10 Other musculoskeletal	<b>50.1 (35.4 to 66)</b>	<b>72.5 (61.4 to 83.2)</b>	<b>55 (52.6 to 57.1)</b>
11 Falls	11 Colorectal cancer	<b>68.1 (16.7 to 127)</b>	<b>92.8 (40.4 to 158)</b>	11.8 (-17.4 to 44.5)
12 Depressive disorders	12 Esophageal cancer	<b>43 (22.9 to 65)</b>	<b>64.3 (46.4 to 86.3)</b>	-0.617 (-11.3 to 10.7)
13 Other musculoskeletal	13 Falls	<b>19.1 (2.13 to 39.5)</b>	<b>36.8 (19.4 to 56.9)</b>	<b>-22.7 (-29.5 to -14.6)</b>
14 Headache disorders	14 Stomach cancer	-11.4 (-22.6 to 3.5)	1.79 (-10.1 to 14.3)	<b>-40 (-44.8 to -35.2)</b>
15 Esophageal cancer	15 Blindness and vision loss	<b>32 (13.7 to 50.2)</b>	<b>51.6 (36.6 to 66.3)</b>	<b>-5.19 (-5.68 to -4.8)</b>
16 Colorectal cancer	16 Road injuries	-29.2 (-51.8 to 5.52)	-18.5 (-45.2 to 23.7)	-19.2 (-49 to 29.3)
17 Blindness and vision loss	17 Depressive disorders	4.64 (-4.31 to 14)	<b>20.2 (15.1 to 26.2)</b>	<b>-1.99 (-2.36 to -1.61)</b>
18 Hypertensive heart disease	18 Osteoarthritis	<b>38.4 (25.7 to 52.5)</b>	<b>59 (51.4 to 68)</b>	<b>3.54 (3.02 to 4.03)</b>
19 Anxiety disorders	19 Chronic kidney disease	<b>68.3 (26.7 to 117)</b>	<b>93.4 (46.8 to 154)</b>	1.13 (-26.7 to 37.6)
20 Osteoarthritis	20 Headache disorders	<b>-14.7 (-21.6 to -6.45)</b>	-1.98 (-6.54 to 6.31)	-0.025 (-0.417 to 0.49)
24 Chronic kidney disease	25 Anxiety disorders			

### North Korea, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	-3.45 (-25.6 to 22.9)	5.27 (-16.1 to 33.2)	<b>-38.8 (-52.7 to -18.7)</b>
2 Ischemic heart disease	2 COPD	<b>71.7 (29.8 to 119)</b>	<b>87.2 (43 to 143)</b>	-8.47 (-35.1 to 29.7)
3 COPD	3 Ischemic heart disease	7 (-27.7 to 59.4)	16.8 (-20.4 to 69.7)	-32.3 (-56.8 to 7.58)
4 Road injuries	4 Diabetes	<b>36.1 (10.6 to 62.3)</b>	<b>48.3 (26.5 to 67.1)</b>	-2 (-13.9 to 12.5)
5 Tuberculosis	5 Road injuries	-22 (-51.6 to 27.5)	-14.8 (-45 to 39)	-13.1 (-45.7 to 45.2)
6 Diabetes	6 Lung cancer	27.9 (-10.3 to 72.7)	<b>39 (4.59 to 77.3)</b>	-9.98 (-29.1 to 10.5)
7 Low back pain	7 Low back pain	12.9 (-3.5 to 30.6)	<b>23 (16.5 to 30.1)</b>	<b>-3.72 (-4.11 to -3.38)</b>
8 Lung cancer	8 Hypertensive heart disease	<b>88.8 (25.8 to 169)</b>	<b>106 (41.3 to 185)</b>	5.21 (-31.2 to 57.8)
9 Stomach cancer	9 Alzheimer's disease	<b>120 (63.3 to 182)</b>	<b>140 (86.4 to 189)</b>	-3.43 (-6.74 to 0.145)
10 Lower respiratory infect	10 Age-related hearing loss	<b>46.5 (23.3 to 71)</b>	<b>59.5 (45 to 74.1)</b>	<b>-0.862 (-1.37 to -0.421)</b>
11 Cirrhosis liver	11 Other musculoskeletal	<b>37.5 (16.1 to 58.2)</b>	<b>49.7 (41.7 to 59.5)</b>	<b>26.3 (23.3 to 28.6)</b>
12 Neonatal disorders	12 Tuberculosis	-45.6 (-63.8 to -20.7)	-40.6 (-59.1 to -14.2)	-56 (-70 to -33.5)
13 Age-related hearing loss	13 Chronic kidney disease	<b>53.8 (12 to 105)</b>	<b>67.8 (26.1 to 123)</b>	10.9 (-18.7 to 56.9)
14 Hypertensive heart disease	14 Stomach cancer	-11.9 (-26.8 to 6.03)	-4.11 (-15 to 8.69)	<b>-35.2 (-41.4 to -28.9)</b>
15 Headache disorders	15 Lower respiratory infect	6.28 (-15.8 to 34.9)	15.8 (-3.67 to 38.3)	-41.7 (-52.3 to -26.6)
16 Other musculoskeletal	16 Cirrhosis liver	-9.95 (-30.9 to 20.7)	-1.77 (-23.1 to 26.6)	<b>-24.8 (-41.3 to -3.99)</b>
17 Depressive disorders	17 Depressive disorders	6.36 (-9.43 to 22.5)	<b>15.8 (10.2 to 21.5)</b>	<b>-1.8 (-2.27 to -1.41)</b>
18 Alzheimer's disease	18 Colorectal cancer	31.8 (-12.2 to 84.2)	<b>43.3 (1.07 to 99.6)</b>	-4.64 (-29.7 to 27)
19 Self-harm	19 Headache disorders	-8.98 (-22.1 to 6.48)	-0.883 (-5.49 to 7.26)	<b>0.34 (0.0286 to 0.606)</b>
20 Chronic kidney disease	20 Esophageal cancer	<b>43.7 (15.9 to 73)</b>	<b>56.5 (37.3 to 77.1)</b>	4.64 (-8.38 to 17)
22 Colorectal cancer	24 Self-harm			
25 Esophageal cancer	29 Neonatal disorders			

### Taiwan (Province of China), Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	66.3 (48.6 to 85.2)	91.3 (76.2 to 107)	25 (13.6 to 36)
2 Stroke	2 Alzheimer's disease	155 (123 to 194)	194 (168 to 218)	0.536 (-2.34 to 3.59)
3 Low back pain	3 Chronic kidney disease	150 (108 to 198)	188 (141 to 241)	24.7 (2.69 to 53.6)
4 Ischemic heart disease	4 Stroke	6.01 (-6.92 to 20.6)	22 (11 to 34.7)	-34.8 (-42.3 to -26.7)
5 Lung cancer	5 Lower respiratory infect	72.1 (46.9 to 98.4)	98 (75.3 to 124)	-25.5 (-32.9 to -15.9)
6 Lower respiratory infect	6 Lung cancer	40.4 (15.3 to 64.8)	61.3 (35 to 83.1)	-7.29 (-20.9 to 4.18)
7 Colorectal cancer	7 Low back pain	6.66 (-3.23 to 16.9)	22.7 (19.9 to 26)	-2.72 (-2.79 to -2.64)
8 COVID-19	8 Colorectal cancer	51.8 (17.4 to 85.3)	74.5 (40.8 to 102)	-1.55 (-19.5 to 15.1)
9 Alzheimer's disease	9 COPD	87.7 (57 to 130)	116 (82.4 to 158)	-15.6 (-30.4 to 1.48)
10 Other musculoskeletal	10 Age-related hearing loss	43.3 (26.9 to 59.3)	64.8 (52.1 to 78.1)	-0.648 (-0.715 to -0.577)
11 Cirrhosis liver	11 Other musculoskeletal	27.7 (14.5 to 43.6)	46.9 (38.7 to 55.3)	30.7 (28.9 to 32.3)
12 Age-related hearing loss	12 Ischemic heart disease	-21.9 (-35.6 to -2.25)	-10 (-25.7 to 13.3)	-54.1 (-62.7 to -40.8)
13 Chronic kidney disease	13 Urinary diseases	161 (120 to 211)	200 (160 to 245)	21.2 (9.91 to 34.9)
14 COPD	14 Hypertensive heart disease	121 (75.2 to 178)	154 (98.7 to 224)	18 (-7.6 to 55)
15 Road injuries	15 Osteoarthritis	30.9 (18.1 to 43.3)	50.6 (45.4 to 56.3)	1.96 (1.76 to 2.17)
16 Self-harm	16 Liver cancer	38.4 (16.6 to 63.5)	59.3 (37.1 to 89.8)	13.1 (-6.05 to 37)
17 Headache disorders	17 Cirrhosis liver	-17.8 (-27.9 to -4.32)	-5.43 (-15.2 to 6.4)	-22.2 (-30.4 to -11.3)
18 Depressive disorders	18 Pancreatic cancer	78.6 (40.1 to 119)	105 (69.6 to 142)	30.5 (7.45 to 51.1)
19 Osteoarthritis	19 Falls	16.6 (0.852 to 34)	34.1 (20.7 to 46)	-18.6 (-27.1 to -10.5)
20 Anxiety disorders	20 Depressive disorders	-3.61 (-13.9 to 6.67)	10.9 (5.76 to 16.5)	-1.41 (-1.58 to -1.22)
21 Liver cancer	21 Road injuries			
23 Falls	22 Headache disorders			
27 Hypertensive heart disease	24 Self-harm			
29 Urinary diseases	26 Anxiety disorders			
30 Pancreatic cancer	156 COVID-19			

### American Samoa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>31.5 (12.8 to 50.4)</b>	5.8 (-7.77 to 21)	-11.7 (-22 to 2.36)
2 Ischemic heart disease	2 Ischemic heart disease	-13.9 (-39.7 to 24.8)	-30.6 (-52.8 to 1.74)	<b>-45 (-63 to -17.3)</b>
3 Stroke	3 Chronic kidney disease	<b>86.6 (41.8 to 150)</b>	<b>50.3 (13 to 105)</b>	20.7 (-12.3 to 66.8)
4 Chronic kidney disease	4 Stroke	10.2 (-10.5 to 32.6)	-11.3 (-27.8 to 9.73)	<b>-33.3 (-46.1 to -16.4)</b>
5 COPD	5 COPD	<b>85.9 (44.1 to 139)</b>	<b>49.7 (15 to 94.5)</b>	0.499 (-24.3 to 35.5)
6 Lower respiratory infect	6 Endo/metab/blood/immune	<b>77 (56.4 to 98.3)</b>	<b>42.4 (27.4 to 59.5)</b>	<b>22 (8.42 to 40.2)</b>
7 Neonatal disorders	7 Lung cancer	<b>74 (31.9 to 125)</b>	<b>39.7 (7.72 to 73.6)</b>	9.92 (-11.4 to 33.8)
8 Low back pain	8 Lower respiratory infect	<b>21.8 (6.22 to 39.5)</b>	-2.05 (-15.2 to 13.1)	<b>-22.2 (-31.9 to -9.33)</b>
9 Endo/metab/blood/immune	9 Low back pain	<b>37.8 (24.4 to 51.3)</b>	<b>10.8 (4.57 to 17.3)</b>	<b>-2.49 (-2.65 to -2.32)</b>
10 Lung cancer	10 Breast cancer	<b>51.7 (12.1 to 98.7)</b>	21.8 (-8.59 to 56.2)	4.01 (-19.2 to 31.5)
11 Breast cancer	11 Other musculoskeletal	<b>86.2 (69.8 to 107)</b>	<b>49.7 (40.7 to 60)</b>	<b>34.6 (31.6 to 37.1)</b>
12 Headache disorders	12 Neonatal disorders	-6.11 (-26.4 to 23.3)	<b>-24.5 (-39.6 to -2.22)</b>	-16.8 (-34.8 to 9.6)
13 COVID-19	13 Age-related hearing loss	<b>57.3 (40.7 to 75.9)</b>	<b>26.4 (15.7 to 35.9)</b>	<b>-0.776 (-0.847 to -0.71)</b>
14 Age-related hearing loss	14 Prostate cancer	<b>115 (64.5 to 172)</b>	<b>72.7 (31.8 to 114)</b>	3.94 (-11.7 to 20.1)
15 Road injuries	15 Alzheimer's disease	<b>158 (104 to 210)</b>	<b>107 (67 to 140)</b>	<b>7.84 (4.68 to 11.7)</b>
16 Other musculoskeletal	16 Headache disorders	<b>28.5 (16.7 to 40)</b>	<b>3.33 (0.207 to 8.73)</b>	<b>0.475 (0.33 to 0.592)</b>
17 Anxiety disorders	17 Colorectal cancer	<b>61.2 (16.1 to 114)</b>	29.4 (-5.11 to 68.1)	2.37 (-22.4 to 28)
18 Self-harm	18 Road injuries	21.2 (-26.3 to 100)	-2.34 (-40.4 to 62)	-5.43 (-43.8 to 59.5)
19 Cirrhosis liver	19 Anxiety disorders	<b>27.3 (15 to 38.6)</b>	2.31 (-1.26 to 6.2)	<b>0.816 (0.68 to 0.965)</b>
20 Stomach cancer	20 Diarrheal diseases	<b>56.1 (13.3 to 117)</b>	25.7 (-10 to 73.9)	-4.92 (-34.2 to 45.1)
24 Colorectal cancer	23 Self-harm			
26 Diarrheal diseases	25 Stomach cancer			
27 Prostate cancer	27 Cirrhosis liver			
31 Alzheimer's disease	162 COVID-19			



### Cook Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	14.8 (0.191 to 35.6)	15.5 (0.765 to 33.9)	-5.94 (-16.7 to 8.02)
2 Ischemic heart disease	2 Hypertensive heart disease	59.3 (11.1 to 122)	60.4 (11.6 to 126)	17.5 (-19.4 to 69.6)
3 Stroke	3 Ischemic heart disease	-34.2 (-54.7 to -7.38)	-33.8 (-51.1 to -6.26)	-52.4 (-67.4 to -28.8)
4 Hypertensive heart disease	4 Stroke	-4.77 (-20.5 to 16.1)	-4.2 (-19.1 to 15.7)	-31 (-42.3 to -13.7)
5 Lower respiratory infect	5 Alzheimer's disease	111 (71.3 to 162)	112 (75.5 to 150)	3.6 (-0.478 to 7.31)
6 Lung cancer	6 COPD	55.3 (16.5 to 94.3)	56.3 (22.5 to 99.9)	-5.92 (-30.9 to 30.2)
7 Road injuries	7 Lower respiratory infect	8.48 (-9.24 to 27.6)	9.09 (-4.75 to 24.1)	-30.8 (-40.1 to -18.5)
8 Low back pain	8 Lung cancer	9.64 (-16.5 to 42.8)	10.1 (-16.2 to 36.4)	-15.7 (-32 to 3.09)
9 Breast cancer	9 Breast cancer	36.7 (1.73 to 79.7)	37.3 (3.45 to 76.1)	1.38 (-21.7 to 23.8)
10 COPD	10 Chronic kidney disease	53.1 (15.6 to 109)	54.1 (20 to 106)	9.41 (-17.9 to 50)
11 Prostate cancer	11 Low back pain	13.5 (0.254 to 26.3)	14.2 (8.4 to 20.2)	-1.98 (-2.38 to -1.47)
12 Age-related hearing loss	12 Prostate cancer	38.9 (5.56 to 77.5)	39.5 (7.81 to 71.9)	-16.2 (-31.7 to -3.13)
13 Chronic kidney disease	13 Road injuries	-1.98 (-38.2 to 50.5)	-1.23 (-36.4 to 52.2)	-2.38 (-38.1 to 50.8)
14 Headache disorders	14 Age-related hearing loss	29.6 (13.5 to 48.2)	30.3 (19.7 to 40.3)	-0.911 (-1.16 to -0.654)
15 Alzheimer's disease	15 Other musculoskeletal	57.5 (40.7 to 74.1)	58.4 (50.2 to 66.6)	41.2 (40 to 42.3)
16 Depressive disorders	16 Headache disorders	2.31 (-9.61 to 15.4)	2.86 (-0.305 to 7.02)	-0.0864 (-0.464 to 0.43)
17 Self-harm	17 Depressive disorders	6.29 (-5.6 to 17.8)	6.89 (2.99 to 11.2)	-1.2 (-1.56 to -0.828)
18 Other musculoskeletal	18 Liver cancer	44.6 (5.29 to 103)	45.6 (8.99 to 105)	26 (-7.77 to 75.9)
19 Anxiety disorders	19 Self-harm	0.264 (-20.7 to 29.9)	0.83 (-17.8 to 27.6)	0.449 (-18.9 to 28.5)
20 Blindness and vision loss	20 Blindness and vision loss	29.8 (12.8 to 49.9)	30.5 (18.3 to 41.1)	-3.32 (-3.65 to -3.05)
21 Liver cancer	22 Anxiety disorders			

### Fiji, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	19.7 (-6.97 to 54.8)	<b>23 (0.124 to 54.9)</b>	-16.9 (-33.5 to 5.96)
2 Ischemic heart disease	2 Ischemic heart disease	-18.6 (-44.8 to 21.4)	-16.2 (-43 to 22.9)	<b>-43.7 (-63.6 to -13.4)</b>
3 Stroke	3 Stroke	4.4 (-18.2 to 35.6)	7.32 (-15 to 36.3)	<b>-32.7 (-47.8 to -11.1)</b>
4 COVID-19	4 Chronic kidney disease	<b>74.2 (31.3 to 143)</b>	<b>79.1 (34.4 to 140)</b>	24.4 (-11.1 to 75.4)
5 Neonatal disorders	5 Neonatal disorders	<b>-33.4 (-51.4 to -5.02)</b>	<b>-31.6 (-50.3 to -4.81)</b>	-16.7 (-39.7 to 14.8)
6 Lower respiratory infect	6 COPD	<b>67.2 (25.9 to 131)</b>	<b>71.9 (29 to 128)</b>	-3.8 (-30.2 to 35.7)
7 Chronic kidney disease	7 Lower respiratory infect	-18.4 (-35.3 to 4.36)	-16.2 (-31.9 to 4.43)	<b>-29.3 (-44 to -8.44)</b>
8 Congenital defects	8 Low back pain	15.9 (-0.299 to 32.8)	<b>19.1 (10 to 27.2)</b>	<b>-3.79 (-4.13 to -3.42)</b>
9 Asthma	9 Hypertensive heart disease	<b>72.9 (20.9 to 148)</b>	<b>77.8 (27.4 to 154)</b>	10.8 (-24.6 to 60.3)
10 Low back pain	10 Other musculoskeletal	<b>72.5 (47.3 to 99.2)</b>	<b>77.2 (65.5 to 90.6)</b>	<b>47.2 (45.8 to 48.6)</b>
11 COPD	11 Breast cancer	28.7 (-7.22 to 72.3)	32.1 (-4.98 to 73.9)	-2.49 (-26.2 to 24.7)
12 Headache disorders	12 Age-related hearing loss	<b>40.5 (17.2 to 66.5)</b>	<b>44.3 (28.5 to 59.6)</b>	<b>-0.9 (-1.05 to -0.755)</b>
13 Breast cancer	13 Headache disorders	1.74 (-13.4 to 18.2)	<b>4.44 (0.672 to 12.8)</b>	<b>0.52 (0.29 to 0.709)</b>
14 Road injuries	14 Alzheimer's disease	<b>156 (80.2 to 241)</b>	<b>163 (91.6 to 232)</b>	<b>6.83 (3.21 to 10.8)</b>
15 Diarrheal diseases	15 Congenital defects	<b>-37.9 (-50.1 to -19.7)</b>	<b>-36.4 (-44.8 to -23.8)</b>	<b>-21 (-29.4 to -8.03)</b>
16 Self-harm	16 Depressive disorders	6.74 (-8.07 to 23.9)	<b>9.6 (4.95 to 15)</b>	<b>-1.64 (-1.87 to -1.38)</b>
17 Age-related hearing loss	17 Anxiety disorders	2.82 (-11.5 to 19.3)	<b>5.56 (1.1 to 10.5)</b>	<b>0.815 (0.605 to 1.04)</b>
18 Depressive disorders	18 Diarrheal diseases	-14.7 (-45.1 to 28.5)	-12.5 (-40.9 to 29.6)	-34.7 (-57.8 to 3.1)
19 Anxiety disorders	19 Road injuries	-16.6 (-49.6 to 50.1)	-14.3 (-49.8 to 46.1)	-13.6 (-49.5 to 47)
20 Hypertensive heart disease	20 Asthma	<b>-37.9 (-49.4 to -21.3)</b>	<b>-36.2 (-46.7 to -21.8)</b>	<b>-57.1 (-64.7 to -46.7)</b>
21 Other musculoskeletal	21 Self-harm			
39 Alzheimer's disease	160 COVID-19			

### Guam, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-22.3 (-44.2 to 5.36)	-19.3 (-42.7 to 13.4)	<b>-40.2 (-56.7 to -16.9)</b>
2 COVID-19	2 Diabetes	<b>21.7 (6.16 to 36.2)</b>	<b>26 (13.1 to 40.9)</b>	-0.0977 (-8.53 to 8.41)
3 Stroke	3 Alzheimer's disease	<b>207 (166 to 250)</b>	<b>219 (175 to 261)</b>	<b>-7.3 (-9.9 to -4.36)</b>
4 Diabetes	4 Stroke	1.89 (-14.7 to 17.2)	5.6 (-9.1 to 25.9)	<b>-24.3 (-35.1 to -10.8)</b>
5 Neonatal disorders	5 Chronic kidney disease	<b>57 (17.5 to 103)</b>	<b>62.8 (23.9 to 114)</b>	27.4 (-4.39 to 66)
6 Lung cancer	6 Age-related hearing loss	<b>61 (38.2 to 82.1)</b>	<b>66.8 (49.8 to 86.3)</b>	<b>-0.337 (-0.431 to -0.234)</b>
7 Self-harm	7 Lung cancer	7.8 (-16.9 to 30.5)	11.5 (-9.97 to 35.4)	-10.6 (-26.2 to 5.36)
8 Chronic kidney disease	8 COPD	<b>79.1 (38.9 to 123)</b>	<b>85.9 (46.9 to 141)</b>	-1.43 (-22.5 to 27.9)
9 Low back pain	9 Low back pain	14.4 (-1.12 to 29.1)	<b>18.4 (10.4 to 28)</b>	<b>-1.71 (-1.9 to -1.52)</b>
10 Lower respiratory infect	10 Neonatal disorders	-23.1 (-43.9 to 5.46)	-20.4 (-39.1 to 3.74)	2.88 (-21.1 to 35.1)
11 Age-related hearing loss	11 Self-harm	-19.6 (-39 to 3.43)	-16.9 (-32.2 to 1.26)	-7.95 (-25.4 to 12.1)
12 Cirrhosis liver	12 Other musculoskeletal	<b>22.1 (3.79 to 38.1)</b>	<b>26.3 (18.4 to 36.1)</b>	<b>15.8 (14.3 to 17.1)</b>
13 Headache disorders	13 Lower respiratory infect	-7.84 (-20.7 to 8.36)	-4.58 (-16.7 to 10.9)	<b>-26.6 (-35.8 to -15.5)</b>
14 Other musculoskeletal	14 Blindness and vision loss	<b>64.4 (44.4 to 84.6)</b>	<b>70.3 (52.9 to 92.3)</b>	<b>-2.08 (-2.29 to -1.88)</b>
15 Alzheimer's disease	15 Hypertensive heart disease	<b>47.8 (7.85 to 97.3)</b>	<b>53.4 (12.2 to 109)</b>	24 (-7.76 to 65)
16 Depressive disorders	16 Depressive disorders	1.98 (-13.4 to 15.9)	<b>5.44 (1.01 to 10.2)</b>	<b>-0.811 (-0.937 to -0.679)</b>
17 Road injuries	17 Osteoarthritis	<b>41.2 (24.3 to 55.2)</b>	<b>46.3 (34.3 to 59.6)</b>	<b>0.782 (0.595 to 0.986)</b>
18 COPD	18 Headache disorders	-8.61 (-24.7 to 4.23)	-5.58 (-8.91 to 0.216)	<b>0.264 (0.111 to 0.412)</b>
19 Anxiety disorders	19 Cirrhosis liver	<b>-24.2 (-37.6 to -10.1)</b>	<b>-21.5 (-32.8 to -6.46)</b>	<b>-21.4 (-30.9 to -7.85)</b>
20 Hypertensive heart disease	20 Road injuries	-12.1 (-42.8 to 30.9)	-8.95 (-38.4 to 35.1)	-0.296 (-32.7 to 49.9)
23 Osteoarthritis	21 Anxiety disorders			
24 Blindness and vision loss	157 COVID-19			

### Kiribati, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>63.3 (29.4 to 101)</b>	<b>40.9 (16.5 to 70.2)</b>	-7.91 (-23.4 to 13.5)
2 Neonatal disorders	2 Ischemic heart disease	19.5 (-18.9 to 73.8)	3.1 (-29.1 to 49.6)	-30.9 (-53.1 to 3.89)
3 Ischemic heart disease	3 Stroke	13.9 (-8.86 to 38.2)	-1.76 (-17.7 to 18.5)	<b>-34.2 (-46.2 to -17.6)</b>
4 Stroke	4 Neonatal disorders	<b>-47.2 (-64 to -22.3)</b>	<b>-54.6 (-67 to -35.2)</b>	<b>-36 (-53.6 to -11.5)</b>
5 Tuberculosis	5 Chronic kidney disease	<b>120 (64.8 to 203)</b>	<b>89.6 (48.1 to 160)</b>	36.4 (-0.619 to 87.8)
6 Diarrheal diseases	6 COPD	<b>71.1 (32 to 120)</b>	<b>47.6 (15.2 to 86.3)</b>	-11.4 (-33.6 to 23.4)
7 Lower respiratory infect	7 Tuberculosis	<b>-42.6 (-61.6 to -11.9)</b>	<b>-50.5 (-66.7 to -24.9)</b>	<b>-61 (-74.4 to -39.1)</b>
8 Congenital defects	8 Diarrheal diseases	4.85 (-31.4 to 48.8)	-9.71 (-39 to 27.8)	-20.7 (-49.2 to 19.5)
9 Self-harm	9 Self-harm	2.84 (-21.8 to 35.7)	-11.5 (-30.1 to 8.11)	-11.9 (-29.7 to 7.73)
10 COPD	10 Low back pain	<b>44.4 (24.6 to 66.3)</b>	<b>24.5 (15.5 to 35)</b>	<b>-4.32 (-4.62 to -3.92)</b>
11 Chronic kidney disease	11 Lower respiratory infect	<b>-29.2 (-43.5 to -13)</b>	<b>-39.1 (-50.2 to -26.2)</b>	<b>-40.7 (-51.3 to -29.6)</b>
12 Cirrhosis liver	12 Road injuries	9.57 (-28.3 to 76.8)	-5.64 (-38 to 43.8)	-8.75 (-40.1 to 38.5)
13 Road injuries	13 Other musculoskeletal	<b>123 (94 to 154)</b>	<b>92.5 (79.2 to 107)</b>	<b>50.3 (49.1 to 51.4)</b>
14 Pertussis	14 Cirrhosis liver	-5.06 (-22.9 to 17.5)	-18.1 (-32.2 to 0.851)	<b>-34.6 (-44.8 to -21.1)</b>
15 Low back pain	15 Cervical cancer	22.6 (-1.05 to 53.7)	5.79 (-11.5 to 29.5)	<b>-24.2 (-36.9 to -8.42)</b>
16 Protein-energy malnutrition	16 Headache disorders	<b>26.4 (6.78 to 47.4)</b>	<b>8.82 (3.91 to 17.7)</b>	-0.00546 (-0.229 to 0.246)
17 Dietary iron deficiency	17 Congenital defects	<b>-40.1 (-54.7 to -21.9)</b>	<b>-48.5 (-56.2 to -37.5)</b>	<b>-30.7 (-39.1 to -19.8)</b>
18 Cervical cancer	18 Breast cancer	<b>53.5 (11 to 109)</b>	32.3 (-4.24 to 74.6)	-6.66 (-27.8 to 17.6)
19 Asthma	19 Endo/metab/blood/immune	<b>64.8 (39 to 90.8)</b>	<b>42.1 (26.1 to 59.1)</b>	12 (-0.7 to 24.9)
20 Headache disorders	20 Age-related hearing loss	<b>68.1 (43.7 to 94.9)</b>	<b>44.9 (31 to 61.5)</b>	<b>-0.868 (-1.03 to -0.697)</b>
26 Breast cancer	21 Dietary iron deficiency			
27 Endo/metab/blood/immune	30 Asthma			
28 Age-related hearing loss	31 Pertussis			
30 Other musculoskeletal	33 Protein-energy malnutrition			

### Marshall Islands, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	64.8 (30 to 101)	28.5 (5.99 to 55.9)	-11.5 (-27.9 to 10.9)
2 Diabetes	2 Ischemic heart disease	40.4 (-13.1 to 118)	9.71 (-28.4 to 71.8)	-26.3 (-56.4 to 17)
3 Stroke	3 Stroke	43.5 (7.24 to 90.4)	12 (-12.8 to 43.4)	-26.1 (-44.7 to 0.766)
4 Tuberculosis	4 Chronic kidney disease	134 (64.2 to 243)	82.8 (32.2 to 160)	33.5 (-10.3 to 99.4)
5 Neonatal disorders	5 HIV/AIDS	614 (270 to 1060)	456 (189 to 795)	486 (203 to 841)
6 Lower respiratory infect	6 Lower respiratory infect	2.04 (-20.1 to 26.7)	-20.4 (-34.3 to -3.87)	-28.8 (-42.4 to -10.7)
7 Self-harm	7 COPD	102 (48.1 to 161)	57.8 (19.2 to 105)	-6.61 (-32.7 to 26.8)
8 Chronic kidney disease	8 Tuberculosis	-37 (-58.4 to -2.84)	-50.8 (-67.5 to -26.8)	-61.3 (-74.6 to -39.9)
9 Road injuries	9 Self-harm	10.2 (-19.8 to 48.5)	-14 (-37.7 to 15.1)	-12.6 (-35.5 to 15.5)
10 COPD	10 Neonatal disorders	-25 (-46.8 to 7.84)	-41.5 (-57.5 to -19.3)	-24.4 (-46 to 5.62)
11 Cirrhosis liver	11 Road injuries	15.5 (-36.9 to 114)	-9.69 (-49.6 to 66.4)	-15.1 (-53.1 to 58.5)
12 Drowning	12 Lung cancer	108 (43.4 to 192)	61.5 (17.1 to 121)	3.65 (-19.6 to 28.1)
13 Congenital defects	13 Hypertensive heart disease	107 (41.4 to 201)	62 (12.2 to 134)	4.14 (-32.1 to 57.3)
14 Low back pain	14 Low back pain	55.3 (31.1 to 81.2)	21.1 (13.3 to 28.3)	-3.47 (-3.85 to -3.01)
15 Headache disorders	15 Other musculoskeletal	136 (96.4 to 180)	84 (71.3 to 96.2)	51.2 (47.9 to 54.3)
16 Lung cancer	16 Cirrhosis liver	13.7 (-10.8 to 43.2)	-11.2 (-27.6 to 10.8)	-27.7 (-41.3 to -9.93)
17 Hypertensive heart disease	17 Headache disorders	36.2 (17.1 to 57.8)	6.1 (2.41 to 13.8)	0.629 (0.374 to 0.822)
18 Interpersonal violence	18 Breast cancer	78.7 (22.4 to 160)	39 (-3.52 to 89.9)	4.89 (-23.3 to 38.9)
19 Dietary iron deficiency	19 Age-related hearing loss	84.1 (50.6 to 119)	43.4 (28.9 to 58.9)	-1.03 (-1.16 to -0.902)
20 Rheumatic heart disease	20 Depressive disorders	41.7 (20 to 64.5)	10.4 (5.84 to 15.3)	-1.57 (-1.8 to -1.29)
22 Depressive disorders	22 Drowning			
23 Breast cancer	24 Congenital defects			
26 Age-related hearing loss	25 Dietary iron deficiency			
27 Other musculoskeletal	26 Interpersonal violence			
34 HIV/AIDS	37 Rheumatic heart disease			

### Federated States of Micronesia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	11.5 (-29.5 to 62.4)	12.5 (-24 to 61.4)	-24.5 (-51.2 to 14.6)
2 Stroke	2 Diabetes	<b>44 (11.5 to 75.1)</b>	<b>45.2 (20.8 to 76.5)</b>	-0.638 (-18 to 20.2)
3 Diabetes	3 Stroke	14.2 (-15.8 to 43.4)	15.2 (-9.62 to 45.6)	<b>-24.4 (-40.6 to -2.53)</b>
4 Lower respiratory infect	4 Chronic kidney disease	<b>111 (45.6 to 187)</b>	<b>113 (59.7 to 182)</b>	<b>50.2 (6.95 to 110)</b>
5 Neonatal disorders	5 HIV/AIDS	<b>505 (270 to 910)</b>	<b>509 (266 to 855)</b>	<b>534 (282 to 908)</b>
6 Chronic kidney disease	6 COPD	<b>62.8 (16.9 to 109)</b>	<b>64.3 (23.4 to 114)</b>	-2.6 (-27.9 to 33.3)
7 Self-harm	7 Lower respiratory infect	-13.1 (-32.4 to 10.5)	-12.5 (-25.4 to 4.66)	<b>-29.9 (-41.3 to -13.9)</b>
8 Road injuries	8 Lung cancer	<b>58.8 (12 to 127)</b>	<b>59.9 (15.8 to 115)</b>	6.18 (-16.6 to 32.1)
9 COPD	9 Self-harm	-17.4 (-41.2 to 16.6)	-16.9 (-36.5 to 6.16)	-14.6 (-34.3 to 9.39)
10 Cirrhosis liver	10 Hypertensive heart disease	<b>65.1 (8.58 to 128)</b>	<b>66.6 (17.9 to 133)</b>	6.18 (-29.6 to 58.7)
11 Low back pain	11 Road injuries	-10 (-50.7 to 47.2)	-9.37 (-44.7 to 52.9)	-15.2 (-50.4 to 45.6)
12 Lung cancer	12 Low back pain	22.3 (-0.91 to 47.4)	<b>23 (13.8 to 34)</b>	<b>-3.63 (-3.91 to -3.27)</b>
13 Drowning	13 Neonatal disorders	<b>-42.2 (-62 to -18.1)</b>	<b>-42 (-55.9 to -20.1)</b>	<b>-27.6 (-45.1 to -0.588)</b>
14 Interpersonal violence	14 Other musculoskeletal	<b>78.3 (44.2 to 116)</b>	<b>79.4 (65.2 to 93.4)</b>	<b>45.3 (42 to 48.1)</b>
15 Hypertensive heart disease	15 Headache disorders	6.2 (-16 to 32.8)	<b>6.74 (2.2 to 15.1)</b>	<b>0.639 (0.338 to 0.855)</b>
16 Headache disorders	16 Cirrhosis liver	-12 (-34 to 12.5)	-11.3 (-26.6 to 7.06)	<b>-29.1 (-40.5 to -13)</b>
17 Congenital defects	17 Breast cancer	30 (-11.7 to 85)	30.8 (-6.39 to 80.6)	-6.63 (-30.1 to 19.5)
18 Breast cancer	18 Age-related hearing loss	<b>43.5 (14.4 to 75.2)</b>	<b>44.5 (25 to 65.9)</b>	<b>-0.921 (-1.06 to -0.751)</b>
19 Anxiety disorders	19 Endo/metab/blood/immune	<b>46.3 (15.3 to 79.8)</b>	<b>47.4 (31.2 to 68.9)</b>	<b>13.5 (0.698 to 30.5)</b>
20 Depressive disorders	20 Alzheimer's disease	<b>161 (88 to 265)</b>	<b>163 (90.9 to 247)</b>	<b>10.5 (6.71 to 14.1)</b>
23 Age-related hearing loss	21 Depressive disorders			
26 Other musculoskeletal	22 Anxiety disorders			
27 Endo/metab/blood/immune	23 Interpersonal violence			
33 HIV/AIDS	26 Drowning			
41 Alzheimer's disease	31 Congenital defects			

### Nauru, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	42 (-16.4 to 119)	-3.83 (-39.3 to 53.9)	-30.1 (-58.3 to 19.3)
2 Stroke	2 Diabetes	<b>98.8 (55.4 to 147)</b>	<b>34.5 (9.27 to 66.1)</b>	-3.02 (-23.2 to 25.8)
3 Diabetes	3 Stroke	<b>49.1 (7.41 to 92.4)</b>	0.901 (-22.4 to 33.1)	-25.3 (-44.8 to 4.51)
4 Lower respiratory infect	4 Road injuries	37.4 (-29.3 to 142)	-7.04 (-49.7 to 73.6)	-10.9 (-51.2 to 64.6)
5 Neonatal disorders	5 Chronic kidney disease	<b>159 (78.2 to 264)</b>	<b>75 (25.2 to 150)</b>	37.7 (-6.23 to 108)
6 Road injuries	6 Neonatal disorders	-8.51 (-43.1 to 38.5)	<b>-38.3 (-57.4 to -8.18)</b>	-18.4 (-44 to 23)
7 Self-harm	7 Lower respiratory infect	-14.1 (-38.4 to 13.3)	<b>-42 (-53.4 to -27)</b>	<b>-36.5 (-50 to -18.1)</b>
8 Chronic kidney disease	8 Self-harm	38.7 (-1.76 to 89.5)	-6.21 (-30.3 to 23)	-8.98 (-31.2 to 17.8)
9 Congenital defects	9 COPD	<b>87.2 (33.1 to 142)</b>	26.7 (-4.15 to 65.8)	-7.96 (-36.1 to 31.9)
10 Drowning	10 Lung cancer	<b>108 (37.4 to 181)</b>	40.5 (-2.29 to 94.8)	-0.121 (-24 to 27.9)
11 Tuberculosis	11 Low back pain	<b>75.8 (51.7 to 102)</b>	<b>18.9 (10.3 to 28.6)</b>	<b>-3.29 (-3.74 to -2.72)</b>
12 COPD	12 Hypertensive heart disease	<b>120 (40.3 to 212)</b>	<b>48.7 (2.68 to 113)</b>	4.62 (-32.4 to 59.6)
13 Interpersonal violence	13 Cirrhosis liver	<b>45.8 (11.4 to 81.3)</b>	-1.36 (-19.7 to 24.4)	-21.2 (-36.2 to 0.719)
14 Cirrhosis liver	14 Congenital defects	-12.5 (-34.1 to 7.76)	<b>-41 (-49.7 to -29.7)</b>	<b>-25.2 (-34.6 to -12.5)</b>
15 Lung cancer	15 Other musculoskeletal	<b>161 (122 to 201)</b>	<b>76.2 (61.6 to 91.4)</b>	<b>45.4 (42 to 48.8)</b>
16 Low back pain	16 Headache disorders	<b>61.7 (38.4 to 89.5)</b>	<b>9.26 (4.82 to 16.5)</b>	<b>0.371 (0.173 to 0.583)</b>
17 Headache disorders	17 Breast cancer	<b>87.1 (24 to 159)</b>	26.6 (-12.7 to 80.1)	-2.93 (-27.5 to 29.5)
18 Hypertensive heart disease	18 Drowning	-7.56 (-41.6 to 39.6)	<b>-37.5 (-59.2 to -7.25)</b>	<b>-36.9 (-58 to -6.66)</b>
19 Depressive disorders	19 Interpersonal violence	12.6 (-11.5 to 41.9)	<b>-23.9 (-37.4 to -7.69)</b>	<b>-27.9 (-39.7 to -11.7)</b>
20 Breast cancer	20 Depressive disorders	<b>65.5 (41.9 to 90)</b>	<b>11.9 (5.26 to 19.1)</b>	<b>-1.57 (-1.79 to -1.33)</b>
27 Other musculoskeletal	25 Tuberculosis			

### Niue, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	11.9 (-5.86 to 35.9)	12.9 (-4.91 to 32.9)	-1.41 (-15.4 to 16.5)
2 Neonatal disorders	2 Ischemic heart disease	<b>-35.2 (-53.6 to -9.5)</b>	<b>-34.5 (-53.9 to -5.97)</b>	<b>-45.7 (-63.2 to -20.1)</b>
3 Diabetes	3 Neonatal disorders	<b>-32.8 (-53.2 to -2.51)</b>	<b>-32.2 (-52.6 to -3.44)</b>	-26 (-44.7 to 1.76)
4 Stroke	4 Stroke	<b>-21.2 (-35.2 to -3.6)</b>	<b>-20.5 (-35.2 to -1.74)</b>	<b>-34.9 (-46.9 to -17.6)</b>
5 Congenital defects	5 Chronic kidney disease	<b>35.4 (1.39 to 80.5)</b>	<b>36.7 (3.42 to 82.4)</b>	15.3 (-17.3 to 60.1)
6 Chronic kidney disease	6 COPD	<b>31 (5.39 to 67.3)</b>	<b>32.1 (3.3 to 63.8)</b>	0.745 (-24.9 to 33.4)
7 Lower respiratory infect	7 Congenital defects	<b>-33.9 (-45.4 to -18.5)</b>	<b>-33.4 (-41.9 to -21.2)</b>	<b>-24.6 (-34.4 to -11.9)</b>
8 COPD	8 Lower respiratory infect	-18.3 (-32.7 to 0.945)	<b>-17.6 (-29.1 to -1.87)</b>	<b>-32.4 (-43.1 to -17.5)</b>
9 Road injuries	9 Lung cancer	31.8 (-5.69 to 68.2)	32.7 (-0.485 to 68.2)	9.67 (-11.5 to 32.8)
10 Lung cancer	10 Road injuries	<b>-17.7 (-46.3 to 38.5)</b>	<b>-17 (-48.2 to 33.7)</b>	<b>-10.5 (-44.9 to 49.4)</b>
11 Self-harm	11 Low back pain	7.35 (-6.45 to 22.2)	<b>8.2 (1.86 to 14.6)</b>	<b>-3.43 (-3.71 to -3.12)</b>
12 Low back pain	12 Alzheimer's disease	<b>61.8 (27.5 to 100)</b>	<b>63 (32.9 to 90)</b>	<b>12.4 (8.53 to 17.2)</b>
13 Drowning	13 Hypertensive heart disease	32.7 (-4.43 to 84.9)	34 (-6.37 to 90.5)	10 (-22.3 to 60.3)
14 Breast cancer	14 Other musculoskeletal	<b>53.3 (32.5 to 74.1)</b>	<b>54.5 (46.2 to 64.5)</b>	<b>40.3 (36.2 to 43.6)</b>
15 Hypertensive heart disease	15 Breast cancer	17 (-18.3 to 54.5)	17.8 (-11 to 49.9)	-2.01 (-24.8 to 23.3)
16 Age-related hearing loss	16 Age-related hearing loss	17.4 (-0.689 to 35.1)	<b>18.3 (8.07 to 27.6)</b>	<b>-0.867 (-1.02 to -0.708)</b>
17 Cirrhosis liver	17 Self-harm	-22.3 (-39.4 to 3.75)	-21.7 (-37.9 to 0.0515)	-17.8 (-35.3 to 5.86)
18 Headache disorders	18 Headache disorders	2.84 (-11.8 to 16.4)	<b>3.63 (0.637 to 8.41)</b>	<b>0.227 (6.65e-05 to 0.458)</b>
19 Depressive disorders	19 Depressive disorders	4.12 (-9.21 to 18.4)	<b>4.93 (1.15 to 9.4)</b>	<b>-1.58 (-1.76 to -1.4)</b>
20 Alzheimer's disease	20 Endo/metab/blood/immune	<b>22.1 (3.33 to 40.9)</b>	<b>23 (12.1 to 36.4)</b>	9.12 (-1.97 to 21.5)
21 Other musculoskeletal	21 Cirrhosis liver			
22 Endo/metab/blood/immune	28 Drowning			



### Northern Mariana Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	46 (26.6 to 64.2)	40.9 (24.4 to 58.6)	2.29 (-9.83 to 17.6)
2 Diabetes	2 Ischemic heart disease	-3 (-29.3 to 34.9)	-6.27 (-33.7 to 31.2)	<b>-38.1 (-56.9 to -7.83)</b>
3 Stroke	3 Chronic kidney disease	114 (67.9 to 178)	107 (63 to 163)	34.6 (3.14 to 85.1)
4 Chronic kidney disease	4 Stroke	29.7 (10.1 to 58)	25.2 (4.84 to 49.7)	<b>-26.5 (-39.6 to -8.36)</b>
5 Lung cancer	5 COPD	116 (77.5 to 160)	109 (68.9 to 154)	1.94 (-20 to 35.1)
6 COPD	6 Lung cancer	45.3 (9.41 to 82)	40 (8.55 to 69.7)	-9.16 (-25.5 to 9.7)
7 Low back pain	7 Low back pain	22.6 (11.5 to 33.4)	18.3 (9.77 to 28.8)	<b>-0.98 (-1.29 to -0.686)</b>
8 Cirrhosis liver	8 Alzheimer's disease	238 (172 to 299)	226 (166 to 276)	4.06 (0.921 to 7.11)
9 Self-harm	9 Lower respiratory infect	42.1 (25.9 to 61.3)	37.2 (22.9 to 56)	<b>-19.7 (-29 to -7.69)</b>
10 Road injuries	10 Age-related hearing loss	55.7 (39.1 to 73.8)	50.2 (37.9 to 65.2)	<b>-0.543 (-0.677 to -0.429)</b>
11 Lower respiratory infect	11 Diarrheal diseases	157 (84.9 to 240)	149 (77.9 to 234)	39.4 (-2.19 to 99.7)
12 Headache disorders	12 Road injuries	0.0381 (-37.7 to 66.6)	-3.31 (-40.5 to 63.9)	-4.74 (-42.8 to 65.1)
13 Age-related hearing loss	13 Cirrhosis liver	-12.9 (-26.1 to 3.51)	<b>-15.9 (-29.2 to -0.469)</b>	<b>-28.1 (-38.3 to -12.9)</b>
14 Neonatal disorders	14 Other musculoskeletal	37.7 (26.2 to 51.9)	32.9 (24.3 to 42.1)	21.4 (20.4 to 22.5)
15 Other musculoskeletal	15 Self-harm	-13.3 (-30.1 to 5.57)	-16.3 (-30.7 to 1.4)	-15.8 (-31.8 to 3.2)
16 Breast cancer	16 Headache disorders	3.11 (-5.25 to 13.1)	-0.549 (-3.85 to 4.77)	<b>0.74 (0.275 to 1.05)</b>
17 Depressive disorders	17 Colorectal cancer	46.6 (0.0144 to 92.2)	41.3 (-0.849 to 80.6)	-9.07 (-31.4 to 12.8)
18 Anxiety disorders	18 Breast cancer	21.8 (-7.97 to 56.2)	17.4 (-12.4 to 48.5)	-12.5 (-31.7 to 8.29)
19 Drowning	19 Falls	46 (26.3 to 70.2)	40.8 (22.7 to 59.7)	<b>-10 (-18.4 to -0.292)</b>
20 Colorectal cancer	20 Neonatal disorders	-5.73 (-25.2 to 25.9)	-9.08 (-26.8 to 19.3)	3.89 (-19.8 to 39.3)
21 Falls	21 Depressive disorders			
27 Diarrheal diseases	22 Anxiety disorders			
31 Alzheimer's disease	37 Drowning			

### Palau, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	13.8 (-8.99 to 36.8)	<b>30.9 (10.5 to 51.9)</b>	-0.965 (-14.8 to 14.7)
2 Diabetes	2 Ischemic heart disease	-22.3 (-46 to 10.3)	-10.5 (-37.2 to 22.1)	<b>-36.9 (-56.5 to -9.64)</b>
3 Stroke	3 Stroke	-4.35 (-25.5 to 17.7)	10.1 (-9.48 to 32.3)	<b>-26.4 (-39.8 to -8.71)</b>
4 Lung cancer	4 Chronic kidney disease	<b>75.3 (29.1 to 131)</b>	<b>102 (52.7 to 157)</b>	36.8 (-0.0756 to 82.9)
5 Chronic kidney disease	5 COPD	<b>74.9 (33.7 to 123)</b>	<b>101 (59.8 to 152)</b>	2.11 (-23.1 to 36)
6 COPD	6 Lung cancer	<b>43.5 (2.3 to 90.4)</b>	<b>65 (23 to 107)</b>	6.04 (-14.6 to 27.3)
7 Lower respiratory infect	7 Lower respiratory infect	5.46 (-15 to 26.9)	<b>21.3 (2.13 to 40.7)</b>	<b>-27.8 (-39.3 to -12.3)</b>
8 Road injuries	8 Falls	14.3 (-6.59 to 37)	<b>31.4 (12.4 to 51.1)</b>	<b>-13.2 (-20.8 to -3.6)</b>
9 Low back pain	9 Low back pain	-4.56 (-16.9 to 9.36)	<b>9.83 (2.62 to 18.3)</b>	<b>-2.58 (-3.22 to -1.94)</b>
10 Neonatal disorders	10 Road injuries	-22.4 (-53.1 to 25)	-10.6 (-43.2 to 45)	-6.43 (-41.6 to 54.7)
11 Self-harm	11 Diarrheal diseases	<b>62.6 (15.1 to 116)</b>	<b>87.2 (36.6 to 149)</b>	-7.81 (-36.1 to 29.7)
12 Falls	12 Alzheimer's disease	<b>168 (107 to 242)</b>	<b>208 (147 to 276)</b>	<b>5.98 (2.32 to 10.3)</b>
13 Cirrhosis liver	13 Breast cancer	9.9 (-20 to 46.8)	26.4 (-7.94 to 61)	-9.92 (-30.9 to 12.9)
14 Breast cancer	14 Age-related hearing loss	<b>27.7 (7.13 to 46.2)</b>	<b>46.9 (29.9 to 64)</b>	<b>-0.457 (-0.785 to -0.0962)</b>
15 Interpersonal violence	15 Lip oral cavity cancer	<b>17.5 (0.291 to 40.3)</b>	<b>35.2 (19.6 to 53.3)</b>	6.62 (-3.46 to 16.1)
16 Age-related hearing loss	16 Prostate cancer	<b>125 (65.2 to 196)</b>	<b>159 (89.9 to 226)</b>	<b>18.2 (1.67 to 37.4)</b>
17 Headache disorders	17 Self-harm	<b>-31.1 (-46 to -10.1)</b>	-20.7 (-37.3 to 0.648)	-15.2 (-34 to 7.45)
18 Stomach cancer	18 Other musculoskeletal	10.5 (-3.23 to 25.8)	<b>27.2 (17.4 to 37.1)</b>	<b>25.4 (24.1 to 26.8)</b>
19 Depressive disorders	19 Pancreatic cancer	<b>103 (35.2 to 177)</b>	<b>133 (62.7 to 211)</b>	28.9 (-2.04 to 64)
20 Lip oral cavity cancer	20 Neonatal disorders	<b>-40.6 (-56.7 to -20.6)</b>	<b>-31.6 (-47.1 to -6.8)</b>	<b>-29.9 (-47.5 to -0.897)</b>
23 Diarrheal diseases	21 Depressive disorders			
24 Other musculoskeletal	23 Cirrhosis liver			
35 Alzheimer's disease	24 Headache disorders			
40 Prostate cancer	25 Stomach cancer			
42 Pancreatic cancer	32 Interpersonal violence			

### Papua New Guinea, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Diabetes	176 (120 to 232)	36.7 (11.8 to 64.1)	0.934 (-16.8 to 23.7)
2 Neonatal disorders	2 Ischemic heart disease	125 (40.2 to 247)	11.2 (-28.7 to 68.9)	-19.8 (-50.9 to 24.6)
3 Malaria	3 Stroke	111 (57.6 to 169)	4.42 (-19.3 to 32.6)	<b>-26.8 (-44.6 to -4.98)</b>
4 Congenital defects	4 Neonatal disorders	-19.1 (-47.1 to 20.9)	<b>-60 (-72.7 to -42.3)</b>	<b>-44.3 (-60.4 to -21.4)</b>
5 Stroke	5 COPD	121 (60.9 to 191)	9.45 (-18.1 to 48.1)	<b>-32.1 (-51.7 to -5.19)</b>
6 Ischemic heart disease	6 Lower respiratory infect	<b>-44.3 (-58.9 to -28.7)</b>	<b>-72.5 (-79.1 to -64.9)</b>	<b>-62.5 (-71 to -52.8)</b>
7 Diarrheal diseases	7 Malaria	118 (-87.3 to 420)	8.76 (-93.5 to 141)	7.92 (-92.2 to 158)
8 Diabetes	8 Congenital defects	-4.15 (-24.6 to 21.8)	<b>-52.7 (-60.6 to -41.8)</b>	<b>-36.3 (-45.2 to -25)</b>
9 COPD	9 Diarrheal diseases	-19.6 (-52.8 to 24.2)	<b>-60.2 (-75.3 to -38.6)</b>	<b>-50.7 (-70.6 to -23.1)</b>
10 COVID-19	10 Road injuries	48 (-18.1 to 152)	-26.7 (-57.7 to 30.7)	-28.5 (-58.2 to 24.7)
11 Tuberculosis	11 Low back pain	128 (97.5 to 158)	13 (6.02 to 19.9)	-4.22 (-4.61 to -3.81)
12 Road injuries	12 Other musculoskeletal	315 (259 to 374)	105 (91.3 to 120)	79.6 (74.9 to 82.8)
13 Pertussis	13 Headache disorders	116 (88.9 to 143)	6.96 (3.53 to 11.7)	0.852 (0.504 to 1.1)
14 Measles	14 Pertussis	15.1 (-42.2 to 113)	-43.2 (-71.5 to 0.0865)	-24.9 (-61.2 to 31.1)
15 Drowning	15 Chronic kidney disease	241 (125 to 378)	68.6 (13.2 to 137)	45.5 (-2.58 to 108)
16 Interpersonal violence	16 Depressive disorders	117 (90.6 to 146)	7.51 (3.14 to 11.9)	-2.06 (-2.39 to -1.72)
17 Asthma	17 Anxiety disorders	117 (88.9 to 146)	7.48 (3.86 to 11.5)	1.72 (1.38 to 2.04)
18 Low back pain	18 Interpersonal violence	48.2 (22.3 to 82.1)	<b>-26.7 (-36.3 to -14.2)</b>	<b>-29.7 (-38.1 to -18.5)</b>
19 Headache disorders	19 Age-related hearing loss	164 (125 to 205)	30.4 (19.2 to 42.1)	-1.52 (-1.74 to -1.28)
20 Rheumatic heart disease	20 Tuberculosis	-28.1 (-54.8 to 8.3)	<b>-64.4 (-77.7 to -44)</b>	<b>-68.8 (-80.4 to -50.6)</b>
24 Depressive disorders	24 Drowning			
27 Anxiety disorders	25 Asthma			
29 Age-related hearing loss	30 Rheumatic heart disease			
31 Other musculoskeletal	70 Measles			
33 Chronic kidney disease	163 COVID-19			

### Samoa, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	<b>76.1 (43.5 to 107)</b>	<b>19.6 (3.53 to 35.7)</b>	3.58 (-10 to 20.4)
2 Measles	2 Ischemic heart disease	26.5 (-13.1 to 80.1)	-14.1 (-41 to 23.6)	-26.6 (-51.5 to 10.4)
3 Diabetes	3 Stroke	<b>30 (1.25 to 62.3)</b>	-11.7 (-26.6 to 10.1)	<b>-26.2 (-40.7 to -6.02)</b>
4 Stroke	4 Chronic kidney disease	<b>155 (85.1 to 235)</b>	<b>73.3 (28.5 to 133)</b>	<b>52.1 (9.49 to 109)</b>
5 Neonatal disorders	5 HIV/AIDS	<b>677 (290 to 1220)</b>	<b>427 (156 to 828)</b>	<b>406 (149 to 783)</b>
6 Lower respiratory infect	6 Neonatal disorders	-10.9 (-36.9 to 25.2)	<b>-39.6 (-56 to -16.5)</b>	<b>-28.8 (-47 to -5.39)</b>
7 COPD	7 COPD	<b>57.3 (22.2 to 98.1)</b>	6.86 (-16.6 to 36.8)	-15.4 (-38.5 to 15.2)
8 Road injuries	8 Lower respiratory infect	-5.22 (-21.6 to 15.7)	<b>-35.7 (-45.4 to -23.3)</b>	<b>-34.5 (-44.4 to -20.1)</b>
9 Chronic kidney disease	9 Road injuries	36 (-21.2 to 132)	-7.71 (-43.6 to 56.8)	-13.3 (-46.5 to 45.5)
10 Self-harm	10 Self-harm	<b>38 (5.77 to 79.4)</b>	-6.36 (-25.6 to 16.8)	-12.4 (-29.2 to 8.41)
11 Congenital defects	11 Low back pain	<b>57.2 (36.6 to 77.8)</b>	<b>6.67 (0.612 to 13.3)</b>	<b>-3.46 (-3.74 to -3.21)</b>
12 Low back pain	12 Measles	-74.1 (-95.1 to 43)	<b>-82.5 (-96.6 to -17.6)</b>	<b>-79.2 (-95.8 to -7.12)</b>
13 Headache disorders	13 Headache disorders	<b>55.8 (36 to 76.5)</b>	<b>5.68 (2.53 to 10)</b>	<b>0.386 (0.217 to 0.521)</b>
14 Anxiety disorders	14 Other musculoskeletal	<b>126 (98.2 to 157)</b>	<b>53.3 (43.8 to 64)</b>	<b>39.4 (36.6 to 41.6)</b>
15 Cirrhosis liver	15 Hypertensive heart disease	<b>84.5 (30.4 to 153)</b>	25.3 (-10.8 to 73)	5.42 (-28.4 to 50.9)
16 Hypertensive heart disease	16 Age-related hearing loss	<b>70.3 (48.9 to 93.4)</b>	<b>15.6 (7.11 to 24.3)</b>	<b>-0.754 (-0.948 to -0.546)</b>
17 Dietary iron deficiency	17 Anxiety disorders	<b>53.9 (33.2 to 75.5)</b>	<b>4.35 (1.71 to 7.78)</b>	<b>0.533 (0.301 to 0.765)</b>
18 Age-related hearing loss	18 Congenital defects	-5.44 (-23 to 13.5)	<b>-35.9 (-43.1 to -27)</b>	<b>-26.4 (-33.7 to -16.9)</b>
19 Depressive disorders	19 Depressive disorders	<b>56.4 (35.8 to 76.9)</b>	<b>6.12 (2.27 to 10.5)</b>	<b>-1.41 (-1.61 to -1.18)</b>
20 Drowning	20 Pertussis	54.2 (-20.4 to 172)	4.39 (-46.5 to 81.7)	22 (-35.6 to 99.4)
22 Pertussis	22 Dietary iron deficiency			
23 Other musculoskeletal	24 Cirrhosis liver			
29 HIV/AIDS	31 Drowning			

### Solomon Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	56 (-2.72 to 146)	8.69 (-28.3 to 61.2)	-23.2 (-51.7 to 19.1)
2 Lower respiratory infect	2 Diabetes	<b>112 (60.6 to 172)</b>	<b>47.3 (18.8 to 82.6)</b>	7.42 (-14.1 to 40.2)
3 Stroke	3 Stroke	<b>49.2 (11.6 to 92)</b>	3.9 (-16.1 to 27.6)	<b>-28.5 (-44.4 to -7.87)</b>
4 Diabetes	4 Lower respiratory infect	-14.6 (-33.4 to 8.03)	<b>-40.5 (-50.8 to -27)</b>	<b>-39.7 (-49.7 to -26.5)</b>
5 Neonatal disorders	5 HIV/AIDS	<b>628 (273 to 1040)</b>	<b>405 (167 to 641)</b>	<b>418 (171 to 665)</b>
6 Malaria	6 Malaria	128 (-59.2 to 276)	56 (-72.2 to 153)	25.6 (-80 to 95.9)
7 Self-harm	7 Self-harm	32.7 (-0.769 to 78.2)	-7.67 (-28.7 to 21.1)	-13.6 (-31.6 to 11.8)
8 Road injuries	8 Road injuries	37.7 (-25 to 145)	-4.05 (-44.2 to 70.2)	-13.5 (-48.1 to 51.2)
9 Congenital defects	9 Chronic kidney disease	<b>174 (86.8 to 296)</b>	<b>90.6 (37 to 167)</b>	<b>53.1 (6.93 to 118)</b>
10 Cirrhosis liver	10 Neonatal disorders	-22.2 (-46.5 to 7.34)	<b>-45.9 (-59.8 to -27.3)</b>	-25.5 (-44.1 to 1.51)
11 Drowning	11 COPD	<b>79.6 (28.7 to 141)</b>	25 (-4.85 to 60.6)	-20.4 (-42.8 to 12.2)
12 COPD	12 Low back pain	<b>69.1 (41.7 to 100)</b>	<b>17.7 (10.7 to 25)</b>	<b>-4.41 (-4.94 to -3.65)</b>
13 Low back pain	13 Headache disorders	<b>58.2 (29.3 to 88.4)</b>	<b>9.98 (6.42 to 16.3)</b>	<b>0.676 (0.382 to 0.894)</b>
14 Maternal disorders	14 Cirrhosis liver	9.7 (-17.3 to 37.2)	<b>-23.6 (-37.4 to -6.38)</b>	<b>-37 (-49 to -20.9)</b>
15 Headache disorders	15 Other musculoskeletal	<b>200 (147 to 259)</b>	<b>109 (94.8 to 124)</b>	<b>74.4 (69.6 to 78.3)</b>
16 Diarrheal diseases	16 Congenital defects	<b>-21.7 (-38.8 to -1.14)</b>	<b>-45.6 (-53.5 to -36.5)</b>	<b>-27.2 (-35 to -16.2)</b>
17 Chronic kidney disease	17 Lung cancer	<b>123 (58.1 to 201)</b>	<b>54.8 (12.6 to 107)</b>	9.72 (-14.5 to 36.4)
18 Dietary iron deficiency	18 Falls	<b>86.9 (51.9 to 124)</b>	<b>30 (13.5 to 44.5)</b>	5.6 (-4.15 to 15.8)
19 Tuberculosis	19 Drowning	-0.953 (-33.5 to 42.6)	<b>-31.1 (-53.1 to -0.0725)</b>	<b>-31.9 (-52.8 to -2.48)</b>
20 Anxiety disorders	20 Depressive disorders	<b>61.2 (34.7 to 92.7)</b>	<b>12.1 (7.81 to 17.4)</b>	<b>-2.07 (-2.39 to -1.71)</b>
21 Depressive disorders	21 Anxiety disorders			
24 Falls	23 Dietary iron deficiency			
27 Lung cancer	30 Maternal disorders			
34 Other musculoskeletal	32 Diarrheal diseases			
35 HIV/AIDS	41 Tuberculosis			

### Tokelau, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Diabetes	50 (23.1 to 77.7)	38.5 (17.8 to 64.2)	4.93 (-9 to 23.5)
2 Ischemic heart disease	2 Neonatal disorders	-43.6 (-62.8 to -18.3)	-47.9 (-65 to -21.6)	-37.8 (-56.3 to -13.7)
3 Diabetes	3 Ischemic heart disease	-26.5 (-50.4 to 5.72)	-32.1 (-53.4 to 1.24)	-50.3 (-67.3 to -24.2)
4 Stroke	4 Stroke	-7.94 (-28.5 to 18.5)	-15 (-32.1 to 12.4)	-35.9 (-50.6 to -12.5)
5 Congenital defects	5 Chronic kidney disease	49.4 (4.13 to 100)	38.1 (2.32 to 90.3)	8.48 (-24.1 to 56.1)
6 Road injuries	6 Congenital defects	-42.9 (-53.2 to -29.5)	-47.4 (-55 to -35.1)	-33.4 (-43 to -22)
7 Lower respiratory infect	7 COPD	44.6 (8.64 to 85)	33.6 (2.85 to 74.3)	-5.07 (-28.8 to 29.7)
8 Chronic kidney disease	8 Lung cancer	67.7 (20.5 to 119)	54.6 (14.6 to 97.7)	11.1 (-12.4 to 36.9)
9 COPD	9 Other musculoskeletal	109 (87 to 131)	92.5 (80.4 to 105)	56.3 (51.6 to 60.5)
10 Diarrheal diseases	10 Lower respiratory infect	-8.23 (-25.7 to 9.39)	-15.3 (-30.8 to 4.21)	-34.8 (-45.9 to -18.8)
11 Self-harm	11 Low back pain	29.7 (16.2 to 44.4)	19.7 (12.1 to 27.5)	-4.86 (-5.07 to -4.66)
12 Low back pain	12 Road injuries	-22.3 (-54.2 to 33.5)	-28.2 (-56.1 to 21.7)	-17.7 (-47.8 to 46.1)
13 Lung cancer	13 Alzheimer's disease	74.6 (39.7 to 117)	61 (30.7 to 90.2)	9.4 (5.12 to 13.9)
14 Headache disorders	14 Age-related hearing loss	41.5 (25.6 to 61.6)	30.5 (18.6 to 41)	-1.05 (-1.18 to -0.928)
15 Age-related hearing loss	15 Self-harm	-16.6 (-38.1 to 13.3)	-23.1 (-42.2 to 3.38)	-14.2 (-34.1 to 16.8)
16 Cirrhosis liver	16 Breast cancer	41.7 (1.81 to 81.7)	30.7 (-3.61 to 69.1)	-2.98 (-27.7 to 22.8)
17 Breast cancer	17 Hypertensive heart disease	47.2 (-2.23 to 112)	36.1 (-5.96 to 97.8)	-0.733 (-33 to 47.2)
18 Depressive disorders	18 Headache disorders	18.4 (5.06 to 35)	9.21 (3.68 to 21.5)	0.224 (0.0237 to 0.445)
19 Alzheimer's disease	19 Depressive disorders	22.1 (7.73 to 36.7)	12.6 (7.32 to 19.5)	-2.2 (-2.38 to -1.99)
20 Hypertensive heart disease	20 Cirrhosis liver	2.13 (-18.4 to 24.2)	-5.67 (-22.7 to 17.1)	-19.8 (-34.7 to 1.05)
21 Other musculoskeletal	24 Diarrheal diseases			

### Tonga, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>55.7 (25 to 94.4)</b>	19.2 (-0.807 to 41.8)	0.445 (-15.1 to 18.3)
2 Ischemic heart disease	2 Ischemic heart disease	-1.09 (-30.7 to 42.2)	-24.2 (-48.5 to 11.3)	<b>-37.5 (-58.1 to -7.81)</b>
3 Stroke	3 Stroke	12.3 (-11.1 to 41)	-13.9 (-31 to 8.64)	<b>-31.8 (-44.8 to -13.9)</b>
4 Neonatal disorders	4 Neonatal disorders	-13.3 (-36.3 to 19.2)	<b>-33.7 (-49.3 to -11.1)</b>	-22.2 (-39.6 to 4.6)
5 Lower respiratory infect	5 Lower respiratory infect	-12.7 (-27.7 to 7.15)	<b>-33.1 (-43 to -20.3)</b>	<b>-36.2 (-46.2 to -22.1)</b>
6 COPD	6 COPD	<b>44.8 (7.92 to 88.4)</b>	11 (-14.3 to 43.7)	-16.4 (-37.2 to 9.91)
7 Low back pain	7 Low back pain	<b>41.6 (19.6 to 61.6)</b>	<b>8.31 (2.04 to 15)</b>	<b>-3.53 (-3.8 to -3.22)</b>
8 Cirrhosis liver	8 Chronic kidney disease	<b>124 (57.2 to 217)</b>	<b>71.5 (24.7 to 145)</b>	<b>44 (2.13 to 109)</b>
9 Road injuries	9 Other musculoskeletal	<b>109 (76.2 to 140)</b>	<b>59.9 (49 to 71.1)</b>	<b>42.9 (38.4 to 46.9)</b>
10 Lung cancer	10 Liver cancer	<b>68.7 (16.9 to 143)</b>	29.2 (-5.14 to 78.5)	15.6 (-16.2 to 64.1)
11 Headache disorders	11 Lung cancer	<b>50.6 (12.3 to 96)</b>	15.2 (-12.9 to 45.6)	-7.06 (-25 to 12.2)
12 Liver cancer	12 Headache disorders	<b>38.4 (16 to 59.8)</b>	<b>5.85 (2.36 to 10.4)</b>	-0.0682 (-0.384 to 0.341)
13 Breast cancer	13 Road injuries	11.2 (-32.6 to 94)	-14.8 (-46.4 to 48.7)	-19.4 (-50 to 40.4)
14 Congenital defects	14 Breast cancer	<b>41.3 (4.22 to 90.6)</b>	8.04 (-20 to 40.1)	-4.38 (-26.3 to 20.7)
15 Anxiety disorders	15 Cirrhosis liver	6.4 (-15.6 to 30.1)	<b>-18.6 (-32.1 to -2.49)</b>	<b>-24.6 (-36.5 to -9.26)</b>
16 Age-related hearing loss	16 Age-related hearing loss	<b>55.6 (32.3 to 78.3)</b>	<b>19.1 (9.67 to 29.2)</b>	<b>-0.965 (-1.11 to -0.837)</b>
17 Other musculoskeletal	17 Alzheimer's disease	<b>101 (53.7 to 150)</b>	<b>53.8 (20.9 to 85.3)</b>	<b>4.98 (1.85 to 8.24)</b>
18 Chronic kidney disease	18 Anxiety disorders	<b>36.8 (15.3 to 58.6)</b>	<b>4.6 (1.26 to 7.91)</b>	0.311 (-0.0441 to 0.641)
19 Dietary iron deficiency	19 Depressive disorders	<b>39.6 (18.2 to 61.8)</b>	<b>6.78 (2.89 to 11.1)</b>	<b>-1.77 (-2.12 to -1.42)</b>
20 Depressive disorders	20 Endo/metab/blood/immune	<b>60.2 (30.1 to 91)</b>	<b>22.6 (8.27 to 39.3)</b>	10.7 (-0.985 to 24.3)
22 Alzheimer's disease	21 Dietary iron deficiency			
25 Endo/metab/blood/immune	23 Congenital defects			

### Tuvalu, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	23 (-17.1 to 78.6)	-8.14 (-38.3 to 38.1)	-24.8 (-51.2 to 15.1)
2 Stroke	2 Diabetes	<b>67.5 (36.3 to 103)</b>	<b>24.9 (4.74 to 50)</b>	4.5 (-13.1 to 25.8)
3 Diabetes	3 Stroke	26.9 (-2.37 to 58)	-5.28 (-25.1 to 18.9)	-22.3 (-39.8 to 0.366)
4 Neonatal disorders	4 Chronic kidney disease	<b>122 (63.1 to 196)</b>	<b>65.7 (25.7 to 124)</b>	<b>41.3 (2.49 to 103)</b>
5 Lower respiratory infect	5 COPD	<b>59.2 (23.3 to 98.2)</b>	18.8 (-5.01 to 50.5)	-4.3 (-28.9 to 27.9)
6 Road injuries	6 Lower respiratory infect	-15.5 (-32.3 to 0.533)	<b>-37 (-45.1 to -25.1)</b>	<b>-38.6 (-48.5 to -25.1)</b>
7 Tuberculosis	7 Road injuries	9.7 (-36.2 to 83.7)	-18.1 (-53.2 to 39.8)	-20.6 (-53.9 to 35.6)
8 Self-harm	8 Neonatal disorders	<b>-32.7 (-54.5 to -5.94)</b>	<b>-49.9 (-62.6 to -31.2)</b>	<b>-36.2 (-52.4 to -13.1)</b>
9 Chronic kidney disease	9 Self-harm	16.2 (-10.3 to 49.8)	-13.4 (-30.3 to 8.34)	-14.5 (-30.7 to 7.17)
10 COPD	10 Low back pain	<b>45.3 (25 to 65.5)</b>	<b>8.36 (0.544 to 15.8)</b>	<b>-5.07 (-5.91 to -4.29)</b>
11 Low back pain	11 Lung cancer	<b>76.1 (23.6 to 134)</b>	31.2 (-3.72 to 71.3)	10.5 (-13.4 to 34.1)
12 Congenital defects	12 Other musculoskeletal	<b>145 (111 to 176)</b>	<b>82.5 (69.1 to 95.4)</b>	<b>61.4 (58.2 to 64)</b>
13 Cirrhosis liver	13 Hypertensive heart disease	<b>65.8 (15.7 to 131)</b>	23.8 (-12.2 to 74.1)	-0.0169 (-32.5 to 55)
14 Headache disorders	14 Headache disorders	<b>43 (21.8 to 60.5)</b>	<b>6.51 (2.74 to 11)</b>	<b>0.801 (0.341 to 1.18)</b>
15 Lung cancer	15 Age-related hearing loss	<b>56.8 (33.5 to 82.2)</b>	<b>16.9 (5.14 to 27.5)</b>	<b>-1.06 (-1.32 to -0.745)</b>
16 Hypertensive heart disease	16 Cirrhosis liver	11.2 (-11.9 to 33.1)	-17 (-31.3 to 1.35)	<b>-28 (-39.6 to -13.6)</b>
17 Interpersonal violence	17 Depressive disorders	<b>42.6 (21.9 to 62)</b>	<b>6.24 (1.47 to 12.3)</b>	<b>-2.18 (-2.55 to -1.75)</b>
18 Depressive disorders	18 Tuberculosis	<b>-44.6 (-62 to -21.3)</b>	<b>-58.7 (-70.2 to -39.2)</b>	<b>-63.2 (-73.6 to -44.8)</b>
19 Drowning	19 Anxiety disorders	<b>40.8 (19.8 to 59.9)</b>	<b>4.87 (1.87 to 8.78)</b>	<b>1.23 (0.746 to 1.65)</b>
20 Age-related hearing loss	20 Breast cancer	<b>55.8 (7.17 to 122)</b>	16.1 (-16.7 to 56.4)	-3.17 (-27.3 to 27.9)
21 Anxiety disorders	23 Interpersonal violence			
23 Breast cancer	25 Congenital defects			
24 Other musculoskeletal	29 Drowning			



### Vanuatu, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	49.1 (-1.45 to 118)	-4.68 (-36 to 42.3)	-31.3 (-56.2 to 7.75)
2 COVID-19	2 Diabetes	114 (83.1 to 150)	36.9 (15.3 to 61.5)	-1.23 (-17.8 to 20.1)
3 Stroke	3 Stroke	40.3 (12.1 to 72.2)	-10.4 (-27.8 to 12.4)	-35.7 (-50.6 to -16)
4 Neonatal disorders	4 HIV/AIDS	751 (358 to 1250)	443 (190 to 778)	449 (193 to 785)
5 Diabetes	5 Neonatal disorders	-27.1 (-47.1 to 0.124)	-53.5 (-65.3 to -35.7)	-37.7 (-53.8 to -15.4)
6 Lower respiratory infect	6 Chronic kidney disease	162 (89.1 to 257)	67.2 (20.8 to 132)	28 (-12.3 to 84.7)
7 Road injuries	7 COPD	75.3 (37.4 to 126)	12 (-10.5 to 47.2)	-25.4 (-44.6 to 2.59)
8 Self-harm	8 Road injuries	24.8 (-28.8 to 110)	-20.2 (-53.6 to 47)	-25.2 (-56.2 to 37.5)
9 COPD	9 Self-harm	37.4 (4.85 to 79.1)	-12.3 (-31.1 to 13.1)	-17.1 (-34.4 to 6.04)
10 Congenital defects	10 Lower respiratory infect	-27.6 (-40.4 to -12.3)	-53.8 (-60.9 to -45.3)	-50.1 (-58.5 to -37.8)
11 Cirrhosis liver	11 Low back pain	86.1 (70.6 to 106)	18.8 (12.7 to 25.8)	-3.63 (-3.94 to -3.24)
12 Low back pain	12 Other musculoskeletal	213 (187 to 243)	100 (86.7 to 112)	63.6 (59.9 to 66.3)
13 Chronic kidney disease	13 Headache disorders	72.9 (57.5 to 92.1)	10.3 (6.17 to 15.5)	0.639 (0.4 to 0.861)
14 Drowning	14 Cirrhosis liver	18.2 (-2.62 to 44)	-24.5 (-38.4 to -5.3)	-37.8 (-48.8 to -22)
15 Diarrheal diseases	15 Depressive disorders	75.8 (61.5 to 93.8)	12.1 (7.53 to 17)	-1.75 (-2.04 to -1.46)
16 Headache disorders	16 Anxiety disorders	69.5 (53.8 to 88.1)	8.12 (3.65 to 13.2)	1.3 (0.973 to 1.6)
17 Dietary iron deficiency	17 Age-related hearing loss	108 (85.1 to 134)	32.7 (21.8 to 44.6)	-1.29 (-1.45 to -1.11)
18 Rheumatic heart disease	18 Hypertensive heart disease	118 (51.7 to 197)	39.1 (-1.54 to 92.6)	-3.76 (-38.2 to 46.6)
19 Anxiety disorders	19 Dietary iron deficiency	29.8 (16.1 to 45.8)	-17.3 (-20.1 to -14.6)	-14.1 (-14.9 to -13.2)
20 Asthma	20 Congenital defects	-15.6 (-29.7 to 1.78)	-46.2 (-52.6 to -37.3)	-30.7 (-37.8 to -21.6)
21 Depressive disorders	22 Diarrheal diseases			
23 Age-related hearing loss	24 Drowning			
24 Hypertensive heart disease	28 Rheumatic heart disease			
26 Other musculoskeletal	32 Asthma			
33 HIV/AIDS	164 COVID-19			

### Cambodia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Stroke	28.4 (-0.26 to 62.6)	2.35 (-15.3 to 24.9)	<b>-41.5 (-53.2 to -27)</b>
2 Stroke	2 Cirrhosis liver	<b>63.7 (29.4 to 98.6)</b>	<b>30.5 (10.1 to 53.1)</b>	-6.67 (-20.1 to 8.73)
3 Neonatal disorders	3 Lower respiratory infect	<b>-33.7 (-45.9 to -18.5)</b>	<b>-47.2 (-55.1 to -37.9)</b>	<b>-56.1 (-62.5 to -48.6)</b>
4 Ischemic heart disease	4 Ischemic heart disease	13.8 (-22.8 to 61)	-9.24 (-35.6 to 28)	<b>-46.5 (-63.4 to -20.2)</b>
5 Cirrhosis liver	5 Diabetes	<b>90.2 (54 to 134)</b>	<b>51.5 (29.5 to 73.6)</b>	-7.29 (-19.8 to 6.46)
6 Congenital defects	6 Other musculoskeletal	<b>172 (129 to 224)</b>	<b>117 (103 to 132)</b>	<b>76.6 (68.7 to 81.8)</b>
7 Tuberculosis	7 Chronic kidney disease	<b>121 (61.9 to 194)</b>	<b>76 (34.6 to 127)</b>	20.8 (-10.4 to 63.5)
8 Road injuries	8 Falls	<b>65.4 (31.4 to 104)</b>	<b>31.7 (14.5 to 52.1)</b>	-5.69 (-14.6 to 4.15)
9 Diabetes	9 Neonatal disorders	<b>-55.3 (-66 to -41.5)</b>	<b>-64.4 (-72 to -54.3)</b>	<b>-47.8 (-59.5 to -31.7)</b>
10 Falls	10 COPD	<b>75 (30.7 to 125)</b>	<b>39.5 (9.68 to 71.1)</b>	<b>-24 (-42.1 to -0.566)</b>
11 Headache disorders	11 Road injuries	1.95 (-31.2 to 45.1)	-18.7 (-44.1 to 21.6)	-23.4 (-47.9 to 15.7)
12 Low back pain	12 Low back pain	<b>53.2 (28.5 to 79.6)</b>	<b>22 (15.8 to 28.4)</b>	<b>-7.03 (-7.32 to -6.76)</b>
13 COPD	13 Hypertensive heart disease	<b>115 (47.7 to 206)</b>	<b>71.7 (26.1 to 134)</b>	-4.64 (-34.4 to 36.9)
14 Age-related hearing loss	14 Lung cancer	<b>98.3 (44.4 to 163)</b>	<b>57.9 (20.8 to 96.8)</b>	-4.66 (-23.7 to 16)
15 Chronic kidney disease	15 Age-related hearing loss	<b>80.7 (50.7 to 114)</b>	<b>44 (33.6 to 54.8)</b>	<b>-1.36 (-1.54 to -1.15)</b>
16 Upper digest diseases	16 Headache disorders	<b>35.1 (14.7 to 57.8)</b>	<b>7.59 (3.01 to 17.5)</b>	0.261 (-0.00811 to 0.607)
17 Lung cancer	17 Colorectal cancer	<b>141 (67.4 to 228)</b>	<b>92 (36.6 to 154)</b>	20 (-10 to 51.3)
18 Dietary iron deficiency	18 Alzheimer's disease	<b>190 (125 to 265)</b>	<b>131 (91.8 to 182)</b>	3.75 (-0.0403 to 7.56)
19 Anxiety disorders	19 Congenital defects	<b>-48.4 (-58.9 to -35.2)</b>	<b>-58.9 (-64.7 to -52.3)</b>	<b>-36.5 (-43.9 to -27.8)</b>
20 Depressive disorders	20 Depressive disorders	<b>42.1 (20.6 to 65.8)</b>	<b>13.2 (8.38 to 18.4)</b>	<b>-2.88 (-3.14 to -2.54)</b>
21 Hypertensive heart disease	21 Anxiety disorders			
22 Other musculoskeletal	22 Tuberculosis			
28 Colorectal cancer	25 Upper digest diseases			
35 Alzheimer's disease	27 Dietary iron deficiency			

### Indonesia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	14.3 (-5.33 to 32.7)	2.33 (-14.8 to 21.2)	<b>-48.2 (-56.8 to -38.1)</b>
2 Ischemic heart disease	2 Ischemic heart disease	-8.96 (-34.3 to 21.5)	-18.4 (-40.5 to 11.5)	<b>-56.1 (-69 to -37.7)</b>
3 Neonatal disorders	3 Diabetes	<b>88.4 (61.4 to 119)</b>	<b>68.6 (47.6 to 89.7)</b>	-4.69 (-17.4 to 8.72)
4 Cirrhosis liver	4 COPD	<b>112 (70.6 to 160)</b>	<b>89.7 (50.4 to 136)</b>	-13.5 (-30.9 to 13.5)
5 COVID-19	5 Cirrhosis liver	<b>19.2 (3.11 to 33.6)</b>	6.65 (-7.28 to 21.5)	<b>-30.2 (-38.1 to -20.1)</b>
6 Diabetes	6 Hypertensive heart disease	<b>127 (62.4 to 201)</b>	<b>103 (49.1 to 177)</b>	-3.44 (-32.9 to 40.4)
7 Tuberculosis	7 Other musculoskeletal	<b>112 (92.1 to 136)</b>	<b>89.8 (79 to 102)</b>	<b>56.2 (54.6 to 58)</b>
8 Road injuries	8 Chronic kidney disease	<b>87.6 (44.3 to 140)</b>	<b>68 (26.9 to 120)</b>	10.5 (-16.8 to 47.7)
9 COPD	9 Low back pain	<b>41.5 (27.4 to 56.4)</b>	<b>26.5 (20.3 to 34.2)</b>	<b>-4.51 (-5.28 to -3.78)</b>
10 Low back pain	10 Age-related hearing loss	<b>80.2 (60.1 to 106)</b>	<b>61.1 (49.5 to 74.4)</b>	<b>-1.1 (-1.19 to -1.02)</b>
11 Headache disorders	11 Lung cancer	<b>92.8 (45.6 to 145)</b>	<b>72.2 (34.2 to 111)</b>	-4.79 (-22.7 to 13.5)
12 Diarrheal diseases	12 Alzheimer's disease	<b>252 (184 to 331)</b>	<b>214 (166 to 276)</b>	1.08 (-2.48 to 5.31)
13 Lower respiratory infect	13 Headache disorders	<b>13.4 (1.99 to 28.2)</b>	1.41 (-2.9 to 12.3)	<b>0.502 (0.305 to 0.686)</b>
14 Chronic kidney disease	14 Diarrheal diseases	7.11 (-29.4 to 60.9)	-4 (-38.8 to 47.4)	<b>-45.1 (-62.3 to -16.5)</b>
15 Age-related hearing loss	15 Neonatal disorders	<b>-52.8 (-62.5 to -39.4)</b>	<b>-57.8 (-66.5 to -46.8)</b>	<b>-42.8 (-55.1 to -27)</b>
16 Other musculoskeletal	16 Road injuries	-13.6 (-39.2 to 23.6)	-22.7 (-45.4 to 7.32)	-21.1 (-46 to 9.4)
17 Lung cancer	17 Lower respiratory infect	7.84 (-13.2 to 29)	-3.55 (-19.4 to 14)	<b>-43.4 (-52 to -33.3)</b>
18 Hypertensive heart disease	18 Blindness and vision loss	<b>93.9 (68.8 to 121)</b>	<b>73.3 (56.7 to 91.2)</b>	<b>-5.58 (-6.04 to -5.11)</b>
19 Congenital defects	19 Tuberculosis	<b>-38.2 (-54.9 to -14.6)</b>	<b>-44.7 (-61 to -23.8)</b>	<b>-63.6 (-75.2 to -47.1)</b>
20 Anxiety disorders	20 Falls	<b>59.4 (35.4 to 87)</b>	<b>42.5 (24.6 to 60.9)</b>	<b>-13.4 (-19.9 to -5.85)</b>
23 Falls	22 Anxiety disorders			
24 Blindness and vision loss	32 Congenital defects			
31 Alzheimer's disease	164 COVID-19			

### Laos, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Stroke	22.6 (-1.83 to 53.6)	-4.01 (-23.6 to 16.7)	<b>-49.8 (-60.5 to -37)</b>
2 Stroke	2 Ischemic heart disease	11.5 (-23.2 to 59.3)	-12.7 (-39.8 to 23.4)	<b>-53.8 (-68.8 to -32.3)</b>
3 Lower respiratory infect	3 Diabetes	<b>113 (76.1 to 150)</b>	<b>66.4 (36 to 90.1)</b>	-10.8 (-24.5 to 3.28)
4 Ischemic heart disease	4 Chronic kidney disease	<b>132 (69.3 to 213)</b>	<b>81.5 (33.8 to 139)</b>	9.87 (-18.5 to 47.9)
5 COVID-19	5 COPD	115 (66.9 to 168)	<b>68.4 (29.2 to 108)</b>	<b>-21.2 (-40.8 to -0.269)</b>
6 Congenital defects	6 Other musculoskeletal	<b>201 (165 to 237)</b>	<b>136 (120 to 154)</b>	<b>82.2 (75.9 to 87.3)</b>
7 Diabetes	7 Neonatal disorders	<b>-64.8 (-73.8 to -53.7)</b>	<b>-72.5 (-78.9 to -64.6)</b>	<b>-53.7 (-64.8 to -39.4)</b>
8 Road injuries	8 Lower respiratory infect	<b>-45.3 (-55.9 to -31.2)</b>	<b>-57.2 (-65 to -45.6)</b>	<b>-59.9 (-66.4 to -51.7)</b>
9 Tuberculosis	9 Hypertensive heart disease	<b>139 (64.3 to 244)</b>	<b>87.3 (30.3 to 160)</b>	-8.76 (-38.8 to 33.8)
10 Chronic kidney disease	10 Age-related hearing loss	<b>102 (75.2 to 126)</b>	<b>57.9 (45.3 to 70.8)</b>	<b>-1.57 (-1.67 to -1.47)</b>
11 Diarrheal diseases	11 Cirrhosis liver	<b>46.4 (23.1 to 78)</b>	14.6 (-3.5 to 37.2)	<b>-24.5 (-35.7 to -10.5)</b>
12 COPD	12 Low back pain	<b>66.7 (47.3 to 86.9)</b>	<b>30.5 (23.3 to 38.7)</b>	<b>-5.95 (-6.18 to -5.71)</b>
13 Cirrhosis liver	13 Road injuries	-0.337 (-34.7 to 51.6)	-21.9 (-48.7 to 20.4)	-25.2 (-51.1 to 16.1)
14 Headache disorders	14 Lung cancer	<b>140 (78.7 to 207)</b>	<b>87.8 (42 to 137)</b>	-2.25 (-23.5 to 18.2)
15 Low back pain	15 Headache disorders	<b>39.6 (22.5 to 58.9)</b>	<b>9.26 (4.02 to 20.7)</b>	<b>0.785 (0.551 to 0.916)</b>
16 Anxiety disorders	16 Anxiety disorders	<b>43.2 (24.3 to 61.5)</b>	<b>12 (5.63 to 19.8)</b>	<b>1.52 (1.42 to 1.61)</b>
17 Interpersonal violence	17 Congenital defects	<b>-54.1 (-63.5 to -44.7)</b>	<b>-64.1 (-70.6 to -57.6)</b>	<b>-39.1 (-47.8 to -29.8)</b>
18 Age-related hearing loss	18 Alzheimer's disease	<b>265 (187 to 343)</b>	<b>185 (136 to 236)</b>	<b>6.87 (4.05 to 10)</b>
19 Other musculoskeletal	19 Colorectal cancer	<b>166 (88 to 255)</b>	<b>108 (51.4 to 177)</b>	15.5 (-12.9 to 50.6)
20 Hypertensive heart disease	20 Depressive disorders	<b>46.3 (30.3 to 63.5)</b>	<b>14.5 (8.74 to 21.3)</b>	<b>-2.53 (-2.77 to -2.26)</b>
21 Depressive disorders	23 Interpersonal violence			
25 Lung cancer	24 Tuberculosis			
32 Colorectal cancer	39 Diarrheal diseases			
40 Alzheimer's disease	165 COVID-19			

### Malaysia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-12.2 (-37 to 21.4)	<b>-27.7 (-47.6 to -0.00157)</b>	<b>-59.7 (-71.4 to -42.6)</b>
2 Stroke	2 Lower respiratory infect	<b>64.7 (37.5 to 94.4)</b>	<b>35.6 (18.3 to 53.5)</b>	<b>-25.3 (-36.2 to -12.5)</b>
3 Lower respiratory infect	3 Stroke	<b>23.3 (2.58 to 53.1)</b>	1.49 (-15 to 23.6)	<b>-43.6 (-53 to -30.3)</b>
4 Road injuries	4 Diabetes	<b>112 (83.1 to 141)</b>	<b>74.4 (58.1 to 90.8)</b>	2.44 (-6.43 to 11.7)
5 COVID-19	5 Chronic kidney disease	<b>113 (61.8 to 181)</b>	<b>75.3 (34.4 to 128)</b>	3.49 (-21.3 to 37.1)
6 Diabetes	6 Other musculoskeletal	<b>125 (92.5 to 152)</b>	<b>85 (74.7 to 94.9)</b>	<b>50.2 (47.4 to 53.3)</b>
7 Depressive disorders	7 Road injuries	7.1 (-24.7 to 62)	-11.8 (-37.6 to 30.2)	-17.3 (-42.5 to 25.4)
8 Low back pain	8 Age-related hearing loss	<b>84.3 (59.8 to 109)</b>	<b>51.7 (42.5 to 60.3)</b>	<b>-1.07 (-1.15 to -0.98)</b>
9 Chronic kidney disease	9 COPD	<b>104 (61.2 to 166)</b>	<b>67.8 (32.1 to 114)</b>	-13.7 (-34.4 to 13)
10 Headache disorders	10 Alzheimer's disease	<b>213 (162 to 271)</b>	<b>157 (125 to 185)</b>	<b>4.61 (1.38 to 7.95)</b>
11 Neonatal disorders	11 Low back pain	<b>54.8 (33.8 to 73.4)</b>	<b>27.4 (19.8 to 33.8)</b>	<b>-3.83 (-4.03 to -3.65)</b>
12 Age-related hearing loss	12 Lung cancer	<b>113 (65.6 to 173)</b>	<b>75.4 (38.3 to 121)</b>	0.653 (-17.2 to 22.4)
13 Other musculoskeletal	13 Depressive disorders	<b>33.4 (14.3 to 50.6)</b>	<b>9.75 (4.16 to 15.3)</b>	<b>-1.83 (-2 to -1.64)</b>
14 Anxiety disorders	14 Colorectal cancer	<b>118 (60 to 195)</b>	<b>79.5 (33.1 to 133)</b>	3.18 (-21.1 to 28.9)
15 COPD	15 Cirrhosis liver	<b>62.7 (34.1 to 97.6)</b>	<b>34 (11.1 to 58.1)</b>	-13 (-26.7 to 2.6)
16 Cirrhosis liver	16 Headache disorders	<b>25.6 (10.8 to 41.5)</b>	3.4 (-2.25 to 15.5)	<b>0.789 (0.437 to 0.995)</b>
17 Breast cancer	17 Breast cancer	<b>81.1 (38.2 to 136)</b>	<b>48.9 (16.2 to 89)</b>	-2.17 (-23 to 22.6)
18 Lung cancer	18 Anxiety disorders	<b>31.1 (13.2 to 50.9)</b>	<b>7.89 (1.17 to 15.6)</b>	<b>1.39 (1.24 to 1.54)</b>
19 Colorectal cancer	19 Neonatal disorders	-14.3 (-28.3 to 1.02)	<b>-29.5 (-38.1 to -20)</b>	-15.7 (-27.1 to 0.236)
20 Congenital defects	20 Urinary diseases	<b>132 (96.4 to 167)</b>	<b>90.6 (72.4 to 110)</b>	3.98 (-3.27 to 14.9)
21 Alzheimer's disease	34 Congenital defects			
31 Urinary diseases	159 COVID-19			

### Maldives, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Diabetes	381 (313 to 450)	220 (183 to 262)	25.6 (13 to 37.8)
2 Ischemic heart disease	2 Stroke	130 (82.5 to 179)	52.9 (23.6 to 84.8)	-44.1 (-54.8 to -27.5)
3 Neonatal disorders	3 Ischemic heart disease	94.6 (36.4 to 181)	29.7 (-9.64 to 87.1)	-51.3 (-67.5 to -25.8)
4 COVID-19	4 COPD	335 (231 to 441)	189 (117 to 267)	-9.73 (-33.1 to 18.6)
5 Headache disorders	5 Other musculoskeletal	220 (176 to 265)	113 (89.5 to 140)	72.7 (69.8 to 75.9)
6 Diabetes	6 Age-related hearing loss	197 (159 to 233)	97.5 (81.4 to 116)	-1.36 (-1.84 to -0.892)
7 Low back pain	7 Chronic kidney disease	251 (152 to 369)	134 (71.4 to 210)	-1.53 (-27.2 to 34)
8 Other musculoskeletal	8 Low back pain	105 (78.1 to 129)	36.3 (24.8 to 49)	-4.52 (-5.56 to -3.55)
9 Age-related hearing loss	9 Alzheimer's disease	440 (358 to 523)	259 (212 to 303)	-6.75 (-9.85 to -3.38)
10 Depressive disorders	10 Headache disorders	48.2 (30.5 to 70.9)	-1.41 (-9.19 to 12.5)	3.45 (0.671 to 5.43)
11 Chronic kidney disease	11 Depressive disorders	77.2 (54.3 to 105)	17.8 (8.59 to 30.2)	-0.453 (-1.55 to 0.657)
12 Anxiety disorders	12 Neonatal disorders	-12 (-28.3 to 8.7)	-41.5 (-52 to -28.2)	-26.9 (-44.5 to -1.61)
13 COPD	13 Anxiety disorders	64.3 (40.6 to 92.6)	9.31 (-0.32 to 23.3)	4.73 (3.33 to 6.35)
14 Dietary iron deficiency	14 Falls	118 (70.1 to 158)	45.1 (16.6 to 69.4)	-12.2 (-21.6 to -2.37)
15 Congenital defects	15 Blindness and vision loss	238 (193 to 285)	125 (101 to 145)	-7.49 (-8.15 to -6.7)
16 Falls	16 Osteoarthritis	287 (240 to 328)	157 (139 to 176)	3.03 (2.4 to 3.79)
17 Lower respiratory infect	17 Oral disorders	162 (127 to 200)	74.5 (57.3 to 93.3)	0.52 (0.000654 to 1.04)
18 Schizophrenia	18 Endo/metab/blood/immune	112 (73 to 152)	40.8 (17.4 to 63)	-5.85 (-17.3 to 8.4)
19 Hemoglobinopathies	19 Lung cancer	326 (213 to 453)	183 (115 to 261)	-2.12 (-22.4 to 22.5)
20 Endo/metab/blood/immune	20 Lower respiratory infect	80.8 (49.6 to 111)	20.4 (0.623 to 40.7)	-47 (-55.8 to -36)
24 Oral disorders	21 Dietary iron deficiency			
25 Alzheimer's disease	24 Hemoglobinopathies			
26 Blindness and vision loss	25 Schizophrenia			
30 Osteoarthritis	31 Congenital defects			
35 Lung cancer	154 COVID-19			

### Mauritius, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	8.36 (-9.25 to 28.6)	<b>25.9 (11.1 to 42.3)</b>	<b>-18.3 (-27.1 to -6.78)</b>
2 Ischemic heart disease	2 Chronic kidney disease	<b>30.2 (0.981 to 67)</b>	<b>51.4 (18.5 to 89.9)</b>	-0.0206 (-21.6 to 29.7)
3 Chronic kidney disease	3 Ischemic heart disease	<b>-35 (-51.2 to -11.8)</b>	-24.4 (-44.3 to 0.907)	<b>-58.1 (-70.3 to -40.9)</b>
4 Stroke	4 Stroke	<b>-26 (-37.4 to -11.1)</b>	-14 (-25.2 to 0.858)	<b>-47.8 (-55.2 to -37.8)</b>
5 Neonatal disorders	5 Alzheimer's disease	<b>140 (94 to 184)</b>	<b>178 (141 to 216)</b>	<b>-4.56 (-7.33 to -1.58)</b>
6 Low back pain	6 Age-related hearing loss	<b>31.8 (10.6 to 51.3)</b>	<b>53.2 (43.6 to 62.9)</b>	<b>-0.941 (-1.02 to -0.842)</b>
7 Age-related hearing loss	7 Hypertensive heart disease	<b>47.7 (8.72 to 107)</b>	<b>71.8 (26 to 146)</b>	-11.8 (-36.6 to 27.3)
8 Lower respiratory infect	8 Other musculoskeletal	<b>38.5 (18.1 to 59.5)</b>	<b>61 (52.5 to 69.7)</b>	<b>40.4 (36.3 to 43.7)</b>
9 Road injuries	9 Lower respiratory infect	<b>18.3 (1.24 to 40.3)</b>	<b>37.5 (21.5 to 54.2)</b>	<b>-31.3 (-39.3 to -22)</b>
10 Depressive disorders	10 COPD	<b>73 (44.2 to 114)</b>	<b>101 (69.3 to 138)</b>	-8.49 (-27.2 to 15.6)
11 Other musculoskeletal	11 Low back pain	5.06 (-9.88 to 20.5)	<b>22.1 (16.1 to 29.6)</b>	<b>-3.89 (-4.04 to -3.74)</b>
12 Hypertensive heart disease	12 Depressive disorders	-10.3 (-23.1 to 3.63)	4.21 (-0.0625 to 9.02)	<b>-1.74 (-1.88 to -1.58)</b>
13 Headache disorders	13 Colorectal cancer	27 (-5.46 to 65.1)	<b>47.4 (13.9 to 84.5)</b>	-6.17 (-26.1 to 16.7)
14 Cirrhosis liver	14 Blindness and vision loss	<b>48 (27.6 to 71.6)</b>	<b>72 (58.5 to 85.2)</b>	<b>-5.3 (-5.68 to -4.94)</b>
15 Breast cancer	15 Breast cancer	4.23 (-17.8 to 32.3)	21 (-0.417 to 48)	-10.4 (-27.7 to 8.23)
16 COPD	16 Headache disorders	<b>-17.4 (-29.7 to -3.98)</b>	-4.03 (-8.28 to 6.18)	<b>0.529 (0.319 to 0.629)</b>
17 Alzheimer's disease	17 Road injuries	<b>-34.2 (-52.9 to -11)</b>	-23.5 (-43.7 to 3.71)	-17.3 (-40.3 to 13)
18 Colorectal cancer	18 Lung cancer	<b>30.2 (2.44 to 64.7)</b>	<b>51.2 (20.4 to 83.2)</b>	-3.14 (-19.9 to 14.9)
19 Self-harm	19 Oral disorders	<b>24.8 (5.55 to 42.2)</b>	<b>45.1 (34.9 to 55)</b>	<b>0.401 (0.205 to 0.597)</b>
20 Anxiety disorders	20 Osteoarthritis	<b>34.1 (13.5 to 54.2)</b>	<b>55.8 (48.6 to 63.6)</b>	<b>2.62 (2.33 to 2.93)</b>
22 Blindness and vision loss	22 Cirrhosis liver			
23 Lung cancer	23 Neonatal disorders			
25 Oral disorders	24 Anxiety disorders			
29 Osteoarthritis	25 Self-harm			

### Myanmar, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	5.17 (-17.7 to 31.5)	-6.1 (-24.9 to 14.9)	-43.5 (-56 to -28.7)
2 Neonatal disorders	2 Diabetes	47.2 (18.2 to 79.4)	31.4 (8.53 to 52)	-17.6 (-30.3 to -4.43)
3 Ischemic heart disease	3 COPD	52.9 (12.6 to 96.4)	36.5 (4.14 to 70.5)	-28.5 (-46.3 to -5.83)
4 Lower respiratory infect	4 Ischemic heart disease	-2.1 (-32.9 to 39.4)	-12.6 (-39.7 to 20.9)	-49 (-65.7 to -23.8)
5 Diabetes	5 Cirrhosis liver	65.4 (32.1 to 102)	47.8 (22 to 72.2)	21.3 (1.76 to 42.4)
6 COPD	6 Neonatal disorders	-51.7 (-64.4 to -34.6)	-56.9 (-67.1 to -43)	-37.3 (-53.2 to -14.8)
7 Congenital defects	7 Chronic kidney disease	85.1 (30.9 to 151)	65.3 (20 to 117)	14.2 (-19.2 to 58.3)
8 Cirrhosis liver	8 Lower respiratory infect	-44.6 (-54.9 to -32.6)	-50.6 (-57.3 to -41.1)	-57 (-63.4 to -48.7)
9 Tuberculosis	9 Other musculoskeletal	111 (83.3 to 140)	88.6 (78.9 to 98.8)	58.4 (54.1 to 62.2)
10 Road injuries	10 Age-related hearing loss	59.9 (39 to 81.7)	42.8 (32.7 to 54.1)	-1.18 (-1.27 to -1.09)
11 Headache disorders	11 Hypertensive heart disease	97.3 (38.4 to 177)	76.3 (22.3 to 142)	1.14 (-31.3 to 45.7)
12 Chronic kidney disease	12 Falls	43.5 (18.6 to 71.6)	28.1 (12.5 to 44.8)	-6.01 (-15.7 to 2.61)
13 Age-related hearing loss	13 Road injuries	-2.08 (-32.5 to 42.4)	-12.6 (-39.4 to 31.9)	-14 (-40.9 to 29)
14 Falls	14 Headache disorders	17 (1.85 to 33.1)	4.44 (0.503 to 12.8)	0.135 (-0.141 to 0.527)
15 Asthma	15 Low back pain	36.7 (19 to 54.2)	22.1 (16.3 to 27.6)	-5.18 (-5.48 to -4.86)
16 Low back pain	16 Alzheimer's disease	164 (98.5 to 229)	136 (89.2 to 184)	1.99 (-1.48 to 5.34)
17 Dietary iron deficiency	17 Congenital defects	-52.5 (-62.5 to -41.4)	-57.6 (-64.1 to -50.6)	-38.2 (-46.8 to -28.9)
18 Alcohol use disorders	18 Alcohol use disorders	22.3 (-3.32 to 52.9)	9.26 (-14 to 33)	-3.23 (-21.7 to 17.8)
19 Hypertensive heart disease	19 Lung cancer	49.8 (9.7 to 98.6)	33.7 (1.62 to 74.1)	-15.8 (-31.3 to 4.87)
20 Other musculoskeletal	20 Blindness and vision loss	75 (47.6 to 103)	56.2 (41.8 to 71.1)	-6.23 (-6.54 to -5.92)
24 Lung cancer	24 Dietary iron deficiency			
28 Blindness and vision loss	25 Tuberculosis			
33 Alzheimer's disease	28 Asthma			



### Philippines, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	7.93 (-20 to 42.1)	-18.3 (-38.1 to 8.03)	<b>-51.3 (-64.4 to -33.7)</b>
2 Stroke	2 Stroke	<b>24.4 (5.15 to 48.5)</b>	-5.87 (-18.1 to 8.69)	<b>-43.9 (-51.5 to -34.2)</b>
3 Neonatal disorders	3 Lower respiratory infect	19.4 (-0.306 to 41.6)	-9.7 (-22.7 to 3.72)	<b>-39.6 (-46.8 to -31.1)</b>
4 Lower respiratory infect	4 Chronic kidney disease	<b>128 (81.2 to 185)</b>	<b>72.4 (37.9 to 114)</b>	14.4 (-9.39 to 48)
5 Diabetes	5 Diabetes	<b>91.3 (64.3 to 125)</b>	<b>44.7 (25 to 62.4)</b>	<b>-12.7 (-23.5 to -2.08)</b>
6 Chronic kidney disease	6 Hypertensive heart disease	<b>166 (96.6 to 253)</b>	<b>101 (48 to 161)</b>	11.8 (-17.9 to 49.9)
7 Tuberculosis	7 Neonatal disorders	<b>-32.3 (-45.4 to -16.7)</b>	<b>-48.8 (-57.4 to -38.1)</b>	<b>-31.2 (-43.3 to -16)</b>
8 Interpersonal violence	8 COPD	<b>93.7 (54.7 to 135)</b>	<b>46.5 (20.1 to 71.3)</b>	<b>-21.3 (-36.3 to -2.19)</b>
9 Congenital defects	9 Low back pain	<b>68.4 (50.1 to 87.4)</b>	<b>27.4 (22.1 to 33.4)</b>	<b>-4.26 (-5.06 to -3.48)</b>
10 Headache disorders	10 Age-related hearing loss	<b>94.9 (72.4 to 119)</b>	<b>47.4 (38.7 to 57.1)</b>	<b>-0.933 (-1.02 to -0.852)</b>
11 Road injuries	11 Other musculoskeletal	<b>142 (117 to 167)</b>	<b>82.8 (73.7 to 92.2)</b>	<b>45.1 (41.6 to 48.2)</b>
12 Low back pain	12 Headache disorders	<b>41 (25.5 to 62.6)</b>	<b>6.65 (2.1 to 18.2)</b>	<b>0.37 (0.172 to 0.514)</b>
13 COVID-19	13 Alzheimer's disease	<b>243 (183 to 299)</b>	<b>159 (125 to 195)</b>	3.87 (-1.64 to 10)
14 COPD	14 Road injuries	13 (-16.3 to 58.6)	-14.5 (-37.9 to 18.9)	-16.7 (-39.6 to 16.4)
15 Hypertensive heart disease	15 Interpersonal violence	-7.38 (-33.3 to 33.6)	<b>-30 (-48.6 to -3.65)</b>	<b>-34.1 (-52.3 to -8.82)</b>
16 Age-related hearing loss	16 Blindness and vision loss	<b>102 (78.1 to 128)</b>	<b>52.9 (41.4 to 63.6)</b>	<b>-5.04 (-5.51 to -4.58)</b>
17 Anxiety disorders	17 Cirrhosis liver	<b>52.6 (30.9 to 77.3)</b>	<b>15.4 (2.5 to 29)</b>	<b>-17.5 (-26.1 to -6.95)</b>
18 Cirrhosis liver	18 Depressive disorders	<b>52.3 (35.4 to 70.5)</b>	<b>15.2 (10.7 to 20.4)</b>	<b>-1.68 (-1.82 to -1.51)</b>
19 Asthma	19 Breast cancer	<b>89.9 (43.7 to 137)</b>	<b>43.6 (16.5 to 77.5)</b>	-0.985 (-20.2 to 21.2)
20 Depressive disorders	20 Anxiety disorders	<b>44 (27.8 to 60.1)</b>	<b>8.88 (4.33 to 13.6)</b>	<b>0.681 (0.379 to 0.965)</b>
21 Other musculoskeletal	23 Tuberculosis			
24 Breast cancer	24 Congenital defects			
25 Blindness and vision loss	35 Asthma			
36 Alzheimer's disease	165 COVID-19			

### Seychelles, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	121 (89.9 to 154)	69 (56 to 84.2)	26.2 (17.4 to 36.3)
2 Ischemic heart disease	2 Lower respiratory infect	50.8 (25.3 to 74.7)	15.1 (-0.179 to 29.5)	-26.6 (-36.1 to -16.3)
3 Stroke	3 Hypertensive heart disease	141 (69.3 to 238)	84.2 (35.7 to 155)	14.9 (-17.2 to 62.2)
4 Diabetes	4 Chronic kidney disease	96.4 (49.4 to 155)	49.9 (18.6 to 92.8)	8.21 (-16.9 to 45)
5 Lower respiratory infect	5 Stroke	13.8 (-9.33 to 39)	-13.1 (-25.4 to 3.02)	-41.5 (-50.5 to -29)
6 Chronic kidney disease	6 Ischemic heart disease	-10.6 (-37.7 to 28.4)	-31.7 (-50.3 to -3.54)	-54.2 (-67.2 to -33.4)
7 Hypertensive heart disease	7 Other musculoskeletal	106 (82 to 129)	57.1 (49.7 to 65.3)	48.5 (47.1 to 50)
8 Neonatal disorders	8 COPD	118 (66.1 to 170)	66.6 (34.4 to 99.6)	-1.28 (-22.2 to 23.5)
9 Cirrhosis liver	9 Age-related hearing loss	72.2 (47.4 to 96.4)	31.4 (23.4 to 40.3)	-0.99 (-1.2 to -0.783)
10 Age-related hearing loss	10 Alzheimer's disease	192 (138 to 249)	123 (95.1 to 151)	4.52 (1.55 to 7.58)
11 Low back pain	11 Prostate cancer	165 (108 to 235)	102 (61.3 to 143)	11 (-4.98 to 26.5)
12 Headache disorders	12 Colorectal cancer	88.9 (40.7 to 157)	44 (9.67 to 84.2)	2.89 (-19.9 to 30.1)
13 Other musculoskeletal	13 Cirrhosis liver	19.1 (-1.23 to 38.8)	-9.03 (-20.2 to 2.82)	-18.1 (-28 to -5.59)
14 Congenital defects	14 Low back pain	43.2 (27 to 59.7)	9.3 (3.83 to 15.6)	-3.69 (-4.06 to -3.32)
15 COPD	15 Neonatal disorders	-11.2 (-30.5 to 9.7)	-32.2 (-45.4 to -18.6)	-25.4 (-39.7 to -9.26)
16 Road injuries	16 Headache disorders	29 (13.3 to 44.1)	-1.51 (-3.68 to 1.46)	1.34 (0.43 to 1.9)
17 Colorectal cancer	17 Lung cancer	81.2 (41.5 to 134)	38.2 (9.62 to 72.9)	-2.31 (-20.5 to 18.3)
18 Depressive disorders	18 Dengue	396 (307 to 493)	279 (213 to 320)	277 (211 to 318)
19 Anxiety disorders	19 Urinary diseases	132 (92.7 to 174)	77.4 (55.6 to 105)	15.4 (0.508 to 34.9)
20 Breast cancer	20 Breast cancer	52.7 (20.7 to 100)	16.5 (-7.23 to 46.6)	-0.559 (-19.5 to 20.4)
21 Lung cancer	21 Depressive disorders			
22 Prostate cancer	22 Road injuries			
23 Alzheimer's disease	23 Anxiety disorders			
27 Urinary diseases	25 Congenital defects			
56 Dengue	153 COVID-19			

### Sri Lanka, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Diabetes	1 Diabetes	<b>49.2 (23.9 to 82.1)</b>	<b>61.2 (37.5 to 89.8)</b>	-6.63 (-16.2 to 4.63)
2 Ischemic heart disease	2 Stroke	14 (-10.8 to 48.3)	23.2 (-0.877 to 51.3)	<b>-45.2 (-53.9 to -33.2)</b>
3 Stroke	3 COPD	<b>105 (52.5 to 174)</b>	<b>121 (71.7 to 184)</b>	-5.22 (-27.1 to 23.8)
4 COPD	4 Ischemic heart disease	-14 (-40 to 23.5)	-6.93 (-34 to 32)	<b>-52.1 (-66.7 to -30.6)</b>
5 Self-harm	5 Alzheimer's disease	<b>188 (112 to 281)</b>	<b>210 (141 to 287)</b>	<b>4.73 (1.72 to 7.82)</b>
6 Age-related hearing loss	6 Chronic kidney disease	<b>87.4 (37 to 155)</b>	<b>103 (50.4 to 167)</b>	13 (-15.3 to 53.5)
7 Low back pain	7 Age-related hearing loss	<b>44.6 (21 to 71.6)</b>	<b>56.1 (40.8 to 70)</b>	<b>-0.756 (-0.834 to -0.671)</b>
8 Neonatal disorders	8 Low back pain	16.8 (-0.305 to 36.5)	<b>26.1 (17.8 to 34.2)</b>	<b>-3.62 (-3.97 to -3.24)</b>
9 Headache disorders	9 Other musculoskeletal	<b>43.9 (21.7 to 65.7)</b>	<b>55.4 (46.6 to 64.1)</b>	<b>37.5 (36.3 to 38.5)</b>
10 Conflict & terror	10 Hypertensive heart disease	<b>97.9 (32.3 to 172)</b>	<b>114 (47.7 to 193)</b>	6.97 (-24.7 to 53.2)
11 Chronic kidney disease	11 Falls	<b>35.3 (9.69 to 67)</b>	<b>46 (21.5 to 72.5)</b>	<b>-11.5 (-18.9 to -1.54)</b>
12 Road injuries	12 Conflict & terror	3430 (-93.9 to 2180)	3240 (-93.3 to 2190)	3710 (-93.4 to 2780)
13 Other musculoskeletal	13 Headache disorders	-8.24 (-24 to 7.29)	-0.984 (-5.57 to 10.2)	0.0418 (-0.172 to 0.321)
14 Falls	14 Blindness and vision loss	<b>59 (31.1 to 94.4)</b>	<b>71.7 (50.6 to 91.1)</b>	<b>-4.24 (-4.54 to -3.98)</b>
15 Lower respiratory infect	15 Self-harm	<b>-21.7 (-38.7 to -4.72)</b>	<b>-15.4 (-27.6 to -0.614)</b>	<b>-18.5 (-31.7 to -1.94)</b>
16 Depressive disorders	16 Lower respiratory infect	11.2 (-11.4 to 41.4)	20.1 (-1.28 to 49.8)	<b>-38.1 (-45.5 to -26.2)</b>
17 Cirrhosis liver	17 Cirrhosis liver	3.12 (-13.2 to 25.5)	11.4 (-4.7 to 32.1)	<b>-19.2 (-30 to -6.01)</b>
18 Nature disaster	18 Depressive disorders	-1.2 (-17.3 to 14.7)	<b>6.64 (2.41 to 12.1)</b>	<b>-1.41 (-1.56 to -1.27)</b>
19 COVID-19	19 Urinary diseases	<b>73.3 (37.1 to 122)</b>	<b>87.2 (56.9 to 130)</b>	0.797 (-9.78 to 12.9)
20 Anxiety disorders	20 Road injuries	-19.1 (-42.2 to 14.2)	-12.5 (-38.1 to 26)	-16.2 (-41.3 to 21.7)
21 Alzheimer's disease	21 Anxiety disorders			
22 Blindness and vision loss	22 Neonatal disorders			
23 Hypertensive heart disease	24 Nature disaster			
27 Urinary diseases	160 COVID-19			

### Thailand, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Diabetes	57.4 (25.4 to 99.1)	82.9 (58.8 to 111)	13.3 (-0.459 to 27.3)
2 Road injuries	2 Stroke	-11.2 (-30.5 to 12.4)	3.25 (-16.8 to 25.3)	-42.4 (-53.1 to -30.1)
3 Diabetes	3 Alzheimer's disease	167 (111 to 239)	210 (163 to 261)	-3.49 (-7.35 to 0.838)
4 Ischemic heart disease	4 Chronic kidney disease	57.9 (15.1 to 117)	83.7 (38 to 142)	0.667 (-24.2 to 32)
5 Lower respiratory infect	5 Lower respiratory infect	24.2 (-0.242 to 54.5)	44.4 (23.4 to 72.7)	-41.3 (-48.3 to -32.6)
6 Chronic kidney disease	6 Age-related hearing loss	40.7 (17.5 to 68.1)	63.6 (51.6 to 75.8)	-0.907 (-0.978 to -0.83)
7 Cirrhosis liver	7 COPD	71.3 (30.7 to 125)	99.2 (55.8 to 151)	-12.7 (-30.4 to 9.6)
8 HIV/AIDS	8 Ischemic heart disease	-25.3 (-48.9 to 4.4)	-13.1 (-36.6 to 18.6)	-55.9 (-67.7 to -39.3)
9 Lung cancer	9 Other musculoskeletal	28.6 (8.96 to 52.7)	49.6 (40.5 to 59.1)	36.1 (32.5 to 39.3)
10 Age-related hearing loss	10 Lung cancer	21 (-10.1 to 59.1)	40.5 (13.4 to 69.4)	-15.9 (-30.3 to -0.339)
11 Other musculoskeletal	11 Road injuries	-37.5 (-55.6 to -11.7)	-27.2 (-45.2 to -2.32)	-17.5 (-40.8 to 13.4)
12 Low back pain	12 Cirrhosis liver	-6.52 (-23.4 to 14.2)	8.72 (-6.78 to 23.5)	-3.8 (-18.6 to 9.95)
13 COVID-19	13 Low back pain	6.41 (-10.4 to 27.4)	23.7 (16.7 to 32.6)	-3.73 (-4.04 to -3.36)
14 Headache disorders	14 Colorectal cancer	30.3 (-7.46 to 74.9)	51.3 (14.8 to 92.2)	-5.64 (-27.6 to 20.4)
15 COPD	15 Urinary diseases	115 (66.1 to 178)	150 (105 to 211)	9.65 (-3.15 to 26.8)
16 Alzheimer's disease	16 Blindness and vision loss	52.5 (26.2 to 82.3)	77.3 (62.1 to 91.6)	-4.93 (-5.27 to -4.62)
17 Colorectal cancer	17 Liver cancer	45.7 (7.6 to 95.7)	69.5 (29.8 to 124)	24 (-5.32 to 64.7)
18 Depressive disorders	18 Falls	19.2 (-4.3 to 45.1)	38.6 (21.4 to 58.8)	-13.5 (-22.8 to -2.69)
19 Self-harm	19 Headache disorders	-21.3 (-34.1 to -9.42)	-8.53 (-12.5 to -0.229)	0.0186 (-0.247 to 0.398)
20 Falls	20 Depressive disorders	-8.48 (-23.3 to 7.24)	6.43 (1.24 to 12.2)	-1.7 (-1.89 to -1.51)
21 Liver cancer	27 Self-harm			
22 Blindness and vision loss	59 HIV/AIDS			
28 Urinary diseases	164 COVID-19			

### Timor-Leste, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Stroke	18.3 (-5.79 to 51)	-15.5 (-32.3 to 6.33)	-41.2 (-53.2 to -24.2)
2 Lower respiratory infect	2 Ischemic heart disease	18.4 (-20.8 to 80.2)	-15.4 (-44.4 to 27)	-41.9 (-63.5 to -11.2)
3 Stroke	3 Neonatal disorders	<b>-53 (-67.4 to -34.7)</b>	<b>-66.6 (-74.6 to -56.9)</b>	<b>-49.1 (-60.3 to -32.7)</b>
4 Ischemic heart disease	4 Diabetes	<b>95.3 (64.4 to 137)</b>	<b>39.3 (18.7 to 63.9)</b>	-2.81 (-14.4 to 12.4)
5 Tuberculosis	5 Conflict & terror	168 (-70 to 493)	90.7 (-78.7 to 358)	29.1 (-79.6 to 207)
6 Congenital defects	6 Other musculoskeletal	<b>232 (182 to 289)</b>	<b>137 (109 to 161)</b>	<b>82.9 (70.6 to 90.2)</b>
7 Diarrheal diseases	7 Chronic kidney disease	<b>134 (74.6 to 216)</b>	<b>66.9 (22 to 128)</b>	24 (-8.6 to 76)
8 Road injuries	8 Lower respiratory infect	<b>-54.4 (-65.3 to -42.4)</b>	<b>-67.5 (-73.9 to -59.7)</b>	<b>-60.6 (-68.3 to -51.6)</b>
9 Diabetes	9 COPD	<b>61.7 (23.1 to 118)</b>	15.5 (-13.8 to 52.6)	-22.1 (-42 to 3.86)
10 Conflict & terror	10 Headache disorders	<b>59.7 (35.1 to 89.7)</b>	<b>13.7 (7.4 to 26.2)</b>	<b>0.684 (0.381 to 0.916)</b>
11 COPD	11 Age-related hearing loss	<b>80.8 (51.7 to 109)</b>	<b>28.9 (17.4 to 42.7)</b>	<b>-1.59 (-1.74 to -1.45)</b>
12 Headache disorders	12 Congenital defects	<b>-42.9 (-59.1 to -24.8)</b>	<b>-59.6 (-67.4 to -50.8)</b>	<b>-38.7 (-46 to -29.9)</b>
13 COVID-19	13 Tuberculosis	<b>-47.7 (-66.1 to -20.1)</b>	<b>-62.7 (-75.3 to -43)</b>	<b>-69.5 (-80.1 to -52.2)</b>
14 HIV/AIDS	14 Low back pain	<b>72.5 (49.5 to 98.6)</b>	<b>23 (13.2 to 34.8)</b>	<b>-5.62 (-5.95 to -5.24)</b>
15 Chronic kidney disease	15 Road injuries	4.58 (-35.1 to 61.7)	-25.5 (-51.7 to 17.6)	-28.9 (-53.9 to 13.1)
16 Low back pain	16 Hypertensive heart disease	<b>87.3 (31.1 to 165)</b>	33.8 (-12.1 to 91.9)	-10.6 (-40.8 to 37.7)
17 Age-related hearing loss	17 Cirrhosis liver	<b>45.9 (19.1 to 82.2)</b>	4.12 (-15 to 26.8)	<b>-25 (-36.4 to -8.44)</b>
18 Cirrhosis liver	18 Anxiety disorders	<b>57.9 (32.5 to 85.3)</b>	<b>12.4 (5.18 to 21.1)</b>	<b>1.47 (1.16 to 1.74)</b>
19 Drowning	19 Depressive disorders	<b>62.5 (36.9 to 89)</b>	<b>15.7 (9.14 to 24.2)</b>	<b>-2.52 (-2.8 to -2.2)</b>
20 Anxiety disorders	20 Blindness and vision loss	<b>78 (52 to 108)</b>	<b>27 (12.4 to 42.7)</b>	<b>-8.89 (-9.42 to -8.28)</b>
22 Hypertensive heart disease	32 Diarrheal diseases			
25 Depressive disorders	40 Drowning			
26 Other musculoskeletal	75 HIV/AIDS			
29 Blindness and vision loss	161 COVID-19			

### Viet Nam, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	40.7 (13.5 to 65.3)	26.8 (4.32 to 51)	-30.2 (-43 to -16.4)
2 Ischemic heart disease	2 Diabetes	81.7 (51.5 to 114)	63.7 (39.7 to 87.2)	-6.72 (-19.9 to 8.32)
3 Diabetes	3 Cirrhosis liver	138 (97.7 to 182)	114 (81.2 to 147)	62.4 (38.9 to 87.3)
4 Road injuries	4 Ischemic heart disease	12.5 (-20.4 to 50.7)	1.33 (-27.4 to 35.9)	-45 (-61.2 to -22)
5 Neonatal disorders	5 COPD	93.9 (53 to 145)	74.7 (41.1 to 121)	-14 (-32.4 to 13.9)
6 COVID-19	6 Chronic kidney disease	141 (80.6 to 207)	117 (67.3 to 180)	31.3 (-0.954 to 77.6)
7 COPD	7 Road injuries	14 (-18.2 to 58.5)	2.76 (-24.5 to 44.3)	-3.59 (-31.1 to 35.6)
8 Cirrhosis liver	8 Liver cancer	193 (107 to 309)	164 (88.1 to 279)	84.3 (34.9 to 164)
9 Low back pain	9 Alzheimer's disease	189 (139 to 245)	160 (118 to 207)	4.72 (1.43 to 8.01)
10 Headache disorders	10 Falls	83.8 (48.3 to 121)	65.5 (40.7 to 93.7)	-0.00195 (-9.08 to 8.98)
11 Lower respiratory infect	11 Age-related hearing loss	65.7 (49.6 to 85.1)	49.2 (38.8 to 60.8)	-1.08 (-1.15 to -1)
12 Age-related hearing loss	12 Lung cancer	63 (23.2 to 105)	46.7 (13.1 to 82.5)	-4.55 (-23.6 to 15.5)
13 Lung cancer	13 Hypertensive heart disease	153 (76.1 to 240)	128 (64.2 to 206)	18.7 (-19 to 68.1)
14 Chronic kidney disease	14 Other musculoskeletal	92.4 (74.3 to 114)	73.2 (62.8 to 84.3)	54.5 (51.6 to 56.8)
15 Falls	15 Low back pain	34.6 (21.1 to 48.8)	21.2 (14.8 to 26.9)	-4.48 (-4.81 to -4.14)
16 Tuberculosis	16 Colorectal cancer	137 (65.4 to 210)	113 (53.7 to 178)	35.3 (1.39 to 71.6)
17 Other musculoskeletal	17 Headache disorders	12.2 (2.14 to 25.1)	1.05 (-2.26 to 8.91)	0.4 (0.227 to 0.578)
18 Drowning	18 Lower respiratory infect	0.306 (-16.2 to 18.1)	-9.6 (-22.9 to 4.59)	-47.5 (-55.1 to -38.6)
19 Liver cancer	19 Neonatal disorders	-39.9 (-50.5 to -27.6)	-45.9 (-55.4 to -34.4)	-36.3 (-47.6 to -22.1)
20 Hypertensive heart disease	20 Blindness and vision loss	84.4 (63.8 to 107)	66 (51.6 to 80.6)	-6.22 (-6.55 to -5.87)
22 Alzheimer's disease	27 Tuberculosis			
24 Colorectal cancer	30 Drowning			
26 Blindness and vision loss	166 COVID-19			

### Angola, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-23.5 (-44.3 to 3.86)	-62.2 (-70.5 to -53.3)	-42.1 (-53.3 to -29)
2 HIV/AIDS	2 HIV/AIDS	-0.962 (-38.7 to 68.9)	-51 (-69.3 to -16.9)	-57.1 (-72.7 to -30.4)
3 Malaria	3 Road injuries	24 (-39.5 to 143)	-38.6 (-70.3 to 15.6)	-41.3 (-70.1 to 11.9)
4 Lower respiratory infect	4 Lower respiratory infect	3.18 (-20.5 to 29.9)	-48.9 (-58.9 to -36.5)	-39.1 (-48.1 to -26.3)
5 Road injuries	5 Diabetes	209 (149 to 273)	53 (26.3 to 79.2)	-2.26 (-17.3 to 12.3)
6 Tuberculosis	6 Depressive disorders	145 (116 to 174)	21.1 (14.5 to 29.1)	-4.26 (-4.51 to -4)
7 Diarrheal diseases	7 Stroke	75.5 (35.3 to 118)	-13 (-31.1 to 5.8)	-46.3 (-55.8 to -34.6)
8 Congenital defects	8 Malaria	-37.7 (-89.7 to 195)	-68.7 (-94.8 to 55.5)	-63.4 (-93.8 to 90.1)
9 Pertussis	9 Cirrhosis liver	93.9 (56.3 to 135)	-3.92 (-22.5 to 15.2)	-28.6 (-40.4 to -13.3)
10 Stroke	10 Ischemic heart disease	53.7 (7.65 to 113)	-23.8 (-47.9 to 6.08)	-54 (-68.3 to -34.1)
11 Ischemic heart disease	11 Diarrheal diseases	-18.8 (-48.1 to 20.3)	-59.8 (-72.5 to -42.7)	-54.2 (-67.1 to -34.9)
12 COVID-19	12 Congenital defects	-13.4 (-34.2 to 10.5)	-57.2 (-64.3 to -47.6)	-37.3 (-46.4 to -25.3)
13 Depressive disorders	13 Low back pain	147 (118 to 178)	22.3 (14.3 to 30.5)	-7.81 (-8.01 to -7.57)
14 Cirrhosis liver	14 Other musculoskeletal	498 (422 to 582)	196 (164 to 223)	117 (100 to 127)
15 Diabetes	15 Hypertensive heart disease	219 (142 to 311)	58.3 (21.4 to 102)	-10.7 (-30.8 to 15.1)
16 Meningitis	16 Chronic kidney disease	171 (101 to 255)	34.3 (-2.11 to 72.7)	-1.11 (-24.8 to 30.7)
17 Protein-energy malnutrition	17 Tuberculosis	-35.1 (-58.2 to -1.11)	-67.8 (-78.7 to -50.9)	-72.2 (-80.7 to -59.1)
18 Low back pain	18 Headache disorders	141 (107 to 173)	19.1 (13.4 to 30)	0.488 (0.222 to 0.765)
19 Drowning	19 Pertussis	-16.7 (-52.7 to 34.5)	-59 (-75.7 to -33.3)	-39 (-62.7 to 2.29)
20 STIs	20 Anxiety disorders	133 (102 to 167)	15.4 (9.21 to 22.3)	1.63 (1.32 to 1.88)
21 Chronic kidney disease	29 Meningitis			
22 Headache disorders	38 Drowning			
26 Anxiety disorders	47 STIs			
27 Hypertensive heart disease	53 Protein-energy malnutrition			
41 Other musculoskeletal	168 COVID-19			

### Central African Republic, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-57 (-71.9 to -39.8)	-66.2 (-74.8 to -55.1)	-42.7 (-55.9 to -26.7)
2 Malaria	2 Malaria	-41.4 (-92 to 214)	-53 (-92.9 to 179)	-40 (-91.2 to 282)
3 Tuberculosis	3 Lower respiratory infect	-32.5 (-53.5 to -10.5)	-46.7 (-56.8 to -34.3)	-33.7 (-45.1 to -20.5)
4 Lower respiratory infect	4 Diarrheal diseases	-34.6 (-60.1 to -1.77)	-48.3 (-66.8 to -24.1)	-30.9 (-54 to 0.0975)
5 Diarrheal diseases	5 Road injuries	-21.7 (-65.3 to 45.5)	-37.9 (-69.6 to 16.3)	-39.3 (-69.1 to 11.2)
6 COVID-19	6 Tuberculosis	-54 (-72.8 to -27.1)	-63.6 (-77.4 to -41.4)	-67.5 (-79.5 to -49.7)
7 HIV/AIDS	7 Diabetes	132 (67.4 to 205)	83 (54.1 to 116)	20.9 (2.34 to 41.5)
8 Road injuries	8 Stroke	13.1 (-19.5 to 52.9)	-10.7 (-29.6 to 9.87)	-42.4 (-55 to -27.6)
9 Congenital defects	9 Ischemic heart disease	40.1 (-13.5 to 109)	10.9 (-26.5 to 57.3)	-28.5 (-54.1 to 8.19)
10 Stroke	10 Cirrhosis liver	2.67 (-26.5 to 31.8)	-19.1 (-33.2 to -4.2)	-39.3 (-49.5 to -27.6)
11 Protein-energy malnutrition	11 Depressive disorders	49.2 (4.07 to 91.2)	17.4 (11.7 to 24.5)	-3.72 (-4.12 to -3.32)
12 Pertussis	12 Congenital defects	-50 (-65.2 to -30.8)	-60.7 (-67.6 to -51.9)	-38.1 (-47.1 to -25.9)
13 Ischemic heart disease	13 Chronic kidney disease	63.5 (8.87 to 131)	29.2 (-4.38 to 72)	-2.97 (-29.3 to 29.2)
14 Cirrhosis liver	14 Hypertensive heart disease	101 (39.1 to 177)	59.2 (19.3 to 105)	-11.4 (-34.2 to 17.6)
15 Meningitis	15 Low back pain	53.4 (8.16 to 99.6)	20.8 (13 to 30)	-7.01 (-7.42 to -6.28)
16 Diabetes	16 Pertussis	-41.8 (-69.3 to 2.93)	-54.4 (-74.8 to -21.1)	-29 (-60.2 to 23.8)
17 Maternal disorders	17 COPD	52 (6.82 to 100)	20.1 (-5.09 to 48.9)	-27.7 (-43.5 to -6.77)
18 Drowning	18 Other musculoskeletal	262 (154 to 371)	185 (156 to 214)	112 (103 to 121)
19 Conflict & terror	19 Self-harm	26.4 (-11.5 to 69.3)	-0.331 (-21.9 to 23.1)	-21 (-36.7 to -3.33)
20 Depressive disorders	20 Headache disorders	47.9 (5.15 to 87.8)	16.3 (11.3 to 24.7)	1.22 (0.674 to 1.88)
23 Chronic kidney disease	21 Meningitis			
25 Low back pain	25 Protein-energy malnutrition			
27 Self-harm	27 Maternal disorders			
29 Hypertensive heart disease	28 HIV/AIDS			
30 COPD	30 Drowning			
31 Headache disorders	32 Conflict & terror			
48 Other musculoskeletal	170 COVID-19			



### Congo (Brazzaville), Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Diabetes	146 (93.6 to 208)	72.8 (43.2 to 105)	0.54 (-12.7 to 16.9)
2 Neonatal disorders	2 Stroke	62 (26 to 105)	13.7 (-5.27 to 38.2)	-39.9 (-50 to -26.4)
3 Malaria	3 Road injuries	15.5 (-39 to 97.9)	-18.8 (-56.9 to 49.2)	-23 (-59.4 to 43.1)
4 Road injuries	4 Ischemic heart disease	49.5 (1.73 to 104)	4.95 (-26.1 to 49.5)	-44.1 (-61.6 to -19)
5 Ischemic heart disease	5 Neonatal disorders	-28.2 (-46.3 to -5.26)	-49.7 (-58.8 to -36.8)	-25.9 (-37.9 to -8.49)
6 Lower respiratory infect	6 Lower respiratory infect	46.7 (17.1 to 83.3)	2.94 (-13.2 to 22.6)	-23.3 (-34.2 to -10.4)
7 Stroke	7 Hypertensive heart disease	219 (141 to 316)	124 (74.8 to 187)	10.6 (-13.9 to 42.2)
8 Tuberculosis	8 Chronic kidney disease	148 (83.1 to 230)	74.3 (36.6 to 126)	13.2 (-13.6 to 46.7)
9 Diarrheal diseases	9 Depressive disorders	69.2 (40.8 to 100)	18.6 (12.5 to 25.6)	-2.42 (-2.64 to -2.18)
10 Diabetes	10 Cirrhosis liver	64.9 (33.1 to 103)	15.7 (-2.29 to 37.9)	-19.5 (-30.7 to -5)
11 Cirrhosis liver	11 Diarrheal diseases	-3.4 (-36.1 to 36.1)	-32.2 (-55.9 to -3)	-35.3 (-54.3 to -9.17)
12 Depressive disorders	12 Low back pain	84.2 (52.3 to 117)	29.1 (20.3 to 37.1)	-4.67 (-4.88 to -4.43)
13 COVID-19	13 HIV/AIDS	-74.7 (-83.8 to -60.3)	-82.3 (-88.1 to -72.9)	-84.1 (-89.2 to -75.7)
14 Congenital defects	14 Tuberculosis	-29 (-51.3 to 0.881)	-50.1 (-65.7 to -26.9)	-63 (-74.8 to -45.5)
15 Chronic kidney disease	15 COPD	157 (99.6 to 227)	80.6 (48.1 to 121)	-6.41 (-23.4 to 17.3)
16 Low back pain	16 Other musculoskeletal	212 (159 to 262)	119 (100 to 136)	60.9 (55.1 to 64.8)
17 Hypertensive heart disease	17 Malaria	-66 (-92 to 85.4)	-76 (-94.5 to 42.7)	-74.5 (-94.3 to 65.7)
18 Dietary iron deficiency	18 Headache disorders	60.3 (31.9 to 90)	12.3 (6.97 to 23.3)	0.587 (0.357 to 0.797)
19 Headache disorders	19 Age-related hearing loss	109 (71.2 to 144)	46.7 (33.6 to 59.5)	-1.22 (-1.42 to -0.998)
20 Maternal disorders	20 Breast cancer	125 (59 to 194)	57.6 (19.8 to 104)	5.21 (-16.6 to 27.6)
26 COPD	24 Dietary iron deficiency			
30 Age-related hearing loss	25 Congenital defects			
34 Breast cancer	46 Maternal disorders			
36 Other musculoskeletal	168 COVID-19			

### DR Congo, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Malaria	1 Neonatal disorders	-33.7 (-57.8 to -6.76)	-62.4 (-70.4 to -51.3)	-43.4 (-54.5 to -29.3)
2 Neonatal disorders	2 Malaria	-55.4 (-94.4 to 240)	-75.2 (-96.6 to 91)	-66 (-95.4 to 150)
3 Lower respiratory infect	3 Road injuries	19.3 (-38.1 to 119)	-31.9 (-64.8 to 28.6)	-35.1 (-65 to 23.2)
4 Road injuries	4 Lower respiratory infect	7.05 (-27.2 to 43.8)	-39.2 (-53.7 to -24.5)	-39.2 (-49.4 to -29.1)
5 Tuberculosis	5 Diabetes	198 (104 to 313)	69.3 (36.9 to 106)	4.56 (-11.8 to 22.4)
6 Diarrheal diseases	6 Stroke	57.6 (10.4 to 114)	-10.3 (-28.1 to 11.1)	-47 (-56.9 to -34.3)
7 Congenital defects	7 Depressive disorders	113 (51.3 to 177)	20.8 (14.5 to 28.8)	-2.9 (-3.07 to -2.68)
8 Stroke	8 Tuberculosis	-26.5 (-52.6 to 11)	-58.1 (-72.6 to -34.7)	-66.8 (-77.4 to -48.8)
9 COVID-19	9 Ischemic heart disease	70.1 (9.03 to 157)	-3.03 (-34.3 to 48)	-43.6 (-62.1 to -14.9)
10 Ischemic heart disease	10 Cirrhosis liver	81.3 (28.3 to 145)	3.22 (-15.7 to 24.8)	-27.7 (-38.6 to -15.9)
11 Depressive disorders	11 Hypertensive heart disease	220 (112 to 340)	81.9 (34.4 to 143)	-3.47 (-26 to 28.5)
12 Cirrhosis liver	12 Low back pain	124 (60.2 to 195)	27.2 (18 to 36.9)	-5.95 (-6.15 to -5.77)
13 Maternal disorders	13 Chronic kidney disease	143 (67.5 to 242)	38.3 (1.73 to 88.8)	-4.14 (-27.7 to 30.2)
14 Diabetes	14 Diarrheal diseases	-0.257 (-35.6 to 56.9)	-43.2 (-62.4 to -11.1)	-37.4 (-54.9 to -11.4)
15 Measles	15 Other musculoskeletal	347 (219 to 489)	154 (132 to 175)	82.6 (75.8 to 87.2)
16 Onchocerciasis	16 Congenital defects	-17 (-45.9 to 14.8)	-52.9 (-60.6 to -43.9)	-32.4 (-41.9 to -20.9)
17 Pertussis	17 Headache disorders	106 (46.1 to 170)	17.1 (10.7 to 28.2)	0.809 (0.456 to 1.08)
18 Low back pain	18 COPD	122 (55.3 to 211)	26.6 (-1.66 to 59.1)	-27.5 (-42.6 to -9.4)
19 Meningitis	19 Onchocerciasis	12.8 (-19 to 46.7)	-36 (-39.2 to -31.8)	-46 (-46.8 to -44.7)
20 STIs	20 Anxiety disorders	98.1 (38.8 to 153)	12.4 (5.58 to 19.5)	1.34 (1.12 to 1.63)
21 Chronic kidney disease	26 Pertussis			
23 Headache disorders	28 Maternal disorders			
25 Hypertensive heart disease	33 Meningitis			
27 COPD	44 STIs			
29 Anxiety disorders	86 Measles			
40 Other musculoskeletal	169 COVID-19			

### Equatorial Guinea, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 HIV/AIDS	-38.9 (-57.9 to -5.21)	-70 (-79.5 to -56.1)	-75.2 (-82 to -63.5)
2 Malaria	2 Neonatal disorders	26.6 (-6.67 to 66.4)	-38.1 (-49.5 to -21)	-14.1 (-28.8 to 8.02)
3 Neonatal disorders	3 Diabetes	349 (250 to 441)	120 (78.5 to 164)	7.22 (-10.4 to 26.4)
4 Road injuries	4 Road injuries	59.3 (-13.4 to 210)	-21.7 (-58.8 to 55.6)	-24.3 (-59.2 to 51.1)
5 Lower respiratory infect	5 Malaria	-23.9 (-90.3 to 160)	-63.1 (-95.2 to 27.2)	-58.6 (-94.9 to 62.8)
6 Depressive disorders	6 Lower respiratory infect	109 (61.4 to 155)	2.32 (-19.1 to 23.9)	-21.5 (-33.8 to -6.73)
7 Ischemic heart disease	7 Depressive disorders	153 (121 to 182)	23.9 (14.6 to 33.4)	-2.5 (-3.04 to -1.98)
8 Diabetes	8 Chronic kidney disease	252 (163 to 363)	72.6 (29.3 to 123)	7.03 (-18.5 to 41.9)
9 Congenital defects	9 Ischemic heart disease	118 (50.8 to 204)	6.85 (-24.8 to 51.2)	-50.9 (-65.8 to -31.3)
10 COVID-19	10 Stroke	155 (102 to 218)	25.1 (2.13 to 53.9)	-40.6 (-50.9 to -24.4)
11 Stroke	11 Cirrhosis liver	258 (196 to 326)	75.8 (42.1 to 111)	0.879 (-14.3 to 20.7)
12 Chronic kidney disease	12 Low back pain	188 (150 to 223)	41.2 (27.3 to 53.4)	-5.2 (-5.64 to -4.77)
13 Diarrheal diseases	13 Hypertensive heart disease	417 (292 to 556)	154 (95.9 to 219)	13.9 (-10.6 to 44.6)
14 Tuberculosis	14 Other musculoskeletal	384 (321 to 443)	137 (118 to 159)	56.7 (53.3 to 60)
15 Low back pain	15 Headache disorders	139 (108 to 177)	17 (8.15 to 35.7)	0.32 (-0.453 to 0.927)
16 Mechanical forces	16 Gynecological diseases	133 (90.6 to 180)	14.2 (-5.97 to 36.4)	-17.8 (-32.2 to -0.51)
17 Headache disorders	17 Self-harm	162 (106 to 231)	28.3 (4.06 to 60.1)	-2.82 (-21.3 to 22.9)
18 STIs	18 Anxiety disorders	125 (93 to 157)	10.1 (1.32 to 21.8)	1.35 (0.609 to 2.06)
19 Cirrhosis liver	19 Age-related hearing loss	206 (161 to 248)	50.2 (34 to 65)	-1.18 (-1.45 to -0.885)
20 Pertussis	20 Idiopathic epilepsy	137 (76.4 to 217)	16.4 (-12.7 to 61)	13.3 (-14.6 to 54.9)
21 Anxiety disorders	21 Mechanical forces			
22 Gynecological diseases	22 Congenital defects			
25 Idiopathic epilepsy	25 Tuberculosis			
26 Self-harm	30 Diarrheal diseases			
30 Age-related hearing loss	46 Pertussis			
31 Hypertensive heart disease	50 STIs			
32 Other musculoskeletal	166 COVID-19			

### Gabon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Diabetes	135 (93.2 to 179)	52.5 (27.9 to 78.2)	-1.31 (-14 to 14)
2 HIV/AIDS	2 Neonatal disorders	-14.1 (-34.8 to 16.1)	-44.4 (-54.6 to -32.1)	-19.7 (-32.1 to -4.29)
3 Malaria	3 Road injuries	24.4 (-32.4 to 135)	-19.3 (-54.9 to 52.5)	-24.1 (-56.8 to 43.2)
4 Road injuries	4 Chronic kidney disease	119 (66.1 to 181)	42.2 (10.8 to 83.3)	-0.66 (-22.2 to 27.8)
5 Lower respiratory infect	5 Lower respiratory infect	41.4 (15.3 to 68.1)	-8.09 (-23.1 to 11.8)	-25 (-35.6 to -12.6)
6 Diabetes	6 Stroke	46.3 (19.4 to 76)	-4.91 (-20.3 to 13.3)	-42.2 (-51 to -29.9)
7 Ischemic heart disease	7 Depressive disorders	80.1 (59.5 to 102)	17 (9.67 to 25.2)	-2.63 (-3.01 to -2.3)
8 Stroke	8 Hypertensive heart disease	176 (113 to 254)	79.3 (42 to 127)	4.63 (-18.1 to 33)
9 COVID-19	9 Ischemic heart disease	16.1 (-17 to 57.1)	-24.6 (-44.7 to 1.16)	-53.5 (-67.1 to -36.5)
10 Chronic kidney disease	10 Cirrhosis liver	57.4 (32.4 to 88.5)	2.35 (-14.8 to 20.6)	-26.4 (-36.3 to -14.2)
11 Depressive disorders	11 Low back pain	91.5 (73.7 to 113)	24.4 (15.3 to 34.7)	-4.68 (-4.96 to -4.33)
12 Tuberculosis	12 Other musculoskeletal	239 (208 to 280)	120 (101 to 140)	67.5 (63.8 to 71.8)
13 Cirrhosis liver	13 HIV/AIDS	-68.9 (-75.3 to -61.3)	-79.8 (-84.9 to -74.7)	-82.7 (-86.1 to -78.9)
14 Congenital defects	14 Malaria	-63.5 (-90.6 to 107)	-76.6 (-94.1 to 41.6)	-74 (-94.1 to 55.6)
15 Dietary iron deficiency	15 Dietary iron deficiency	29.5 (12.8 to 47.5)	-16 (-20.6 to -11.2)	-14.5 (-15.4 to -13.5)
16 Low back pain	16 Headache disorders	73.9 (54.3 to 98.7)	12.9 (6.7 to 23.2)	0.576 (0.269 to 0.909)
17 Diarrheal diseases	17 COPD	155 (102 to 213)	65.8 (36.1 to 104)	2.1 (-17.2 to 25.7)
18 Hypertensive heart disease	18 Age-related hearing loss	106 (83.1 to 130)	34.1 (22.7 to 48.5)	-1.66 (-1.88 to -1.44)
19 Headache disorders	19 Gynecological diseases	61.2 (29.9 to 93.6)	4.75 (-12.9 to 27.3)	-14.4 (-29.2 to 3.19)
20 Gynecological diseases	20 Anxiety disorders	68 (48.9 to 91.4)	9.02 (3.02 to 17.7)	1.18 (0.755 to 1.62)
21 Anxiety disorders	23 Tuberculosis			
24 Age-related hearing loss	27 Congenital defects			
27 Other musculoskeletal	37 Diarrheal diseases			
28 COPD	166 COVID-19			

### Burundi, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Malaria	1 Neonatal disorders	<b>-31.6 (-49.2 to -10.8)</b>	<b>-62.9 (-70.2 to -54)</b>	<b>-42 (-51.4 to -30.3)</b>
2 Neonatal disorders	2 Diarrheal diseases	11.9 (-32.8 to 74.6)	<b>-39.2 (-61.7 to -7.82)</b>	<b>-30.6 (-53.4 to -1.57)</b>
3 COVID-19	3 Lower respiratory infect	-3.93 (-28.9 to 22.9)	<b>-47.8 (-58.9 to -34)</b>	<b>-39.6 (-49.5 to -28.1)</b>
4 Lower respiratory infect	4 Stroke	<b>85.2 (45 to 131)</b>	0.683 (-22 to 22.9)	<b>-36.5 (-49.3 to -21.1)</b>
5 Diarrheal diseases	5 Conflict & terror	134 (-88.2 to 772)	25.7 (-93.5 to 375)	0.394 (-92.6 to 254)
6 Tuberculosis	6 Ischemic heart disease	<b>119 (42.4 to 221)</b>	19.4 (-20.6 to 75.8)	-22.6 (-48.7 to 20.1)
7 Conflict & terror	7 Tuberculosis	-32.2 (-56.9 to 2.81)	<b>-63.1 (-76.8 to -43)</b>	<b>-70.7 (-80.7 to -56)</b>
8 Congenital defects	8 Depressive disorders	<b>128 (89.8 to 163)</b>	<b>23.9 (17.2 to 32)</b>	<b>-2.39 (-2.79 to -1.96)</b>
9 Stroke	9 Diabetes	<b>141 (86 to 198)</b>	<b>31 (4.54 to 57.6)</b>	-14.1 (-30.1 to 4.8)
10 Road injuries	10 Road injuries	32.8 (-24.6 to 141)	-27.8 (-58.9 to 23.6)	-37.1 (-62 to 3.03)
11 Ischemic heart disease	11 Congenital defects	<b>-21 (-38.9 to -1.4)</b>	<b>-57.2 (-64.2 to -48.6)</b>	<b>-36.5 (-45.1 to -26.8)</b>
12 Protein-energy malnutrition	12 Low back pain	<b>132 (94.6 to 167)</b>	<b>26 (17.3 to 34.7)</b>	<b>-5.63 (-5.94 to -5.34)</b>
13 Cirrhosis liver	13 Malaria	<b>-83.4 (-96.1 to -0.874)</b>	<b>-91 (-97.8 to -49.5)</b>	<b>-88 (-96.9 to -34.5)</b>
14 HIV/AIDS	14 Chronic kidney disease	<b>171 (97.4 to 259)</b>	<b>47.4 (10.9 to 97.4)</b>	6.43 (-20.3 to 44)
15 Depressive disorders	15 Cirrhosis liver	<b>47.5 (17.7 to 80.9)</b>	<b>-19.8 (-32.2 to -5.68)</b>	<b>-44.4 (-52.9 to -34.6)</b>
16 Maternal disorders	16 Age-related hearing loss	<b>156 (115 to 198)</b>	<b>38.8 (26.3 to 50.1)</b>	<b>-1.8 (-2.02 to -1.56)</b>
17 Meningitis	17 Anxiety disorders	<b>112 (77.3 to 145)</b>	<b>14.9 (9.18 to 21.9)</b>	<b>2.28 (1.89 to 2.67)</b>
18 Diabetes	18 COPD	<b>136 (81.7 to 203)</b>	<b>28.4 (0.371 to 68.5)</b>	<b>-24.3 (-39.5 to -0.903)</b>
19 Low back pain	19 Headache disorders	<b>119 (82.3 to 156)</b>	<b>18.8 (13 to 28.6)</b>	<b>1.74 (1.15 to 2.16)</b>
20 Dietary iron deficiency	20 Gynecological diseases	<b>84.3 (41.3 to 129)</b>	0.194 (-19.3 to 22.3)	-17.5 (-33.2 to 0.339)
23 Anxiety disorders	21 Dietary iron deficiency			
24 Chronic kidney disease	27 Meningitis			
25 Gynecological diseases	29 Maternal disorders			
26 Age-related hearing loss	39 Protein-energy malnutrition			
27 Headache disorders	77 HIV/AIDS			
29 COPD	167 COVID-19			

### Comoros, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-55.3 (-69 to -36.3)	-62 (-69.8 to -52.5)	-37.9 (-48.7 to -22)
2 Lower respiratory infect	2 Diabetes	131 (77.4 to 206)	98.4 (56.3 to 145)	12.2 (-6.89 to 33.3)
3 Stroke	3 Stroke	28.6 (-5.49 to 77.7)	10.2 (-13.2 to 37.8)	-42.3 (-54.1 to -26.3)
4 Tuberculosis	4 Lower respiratory infect	-30.8 (-49.1 to -7.22)	-40.7 (-54.2 to -24)	-50.9 (-60.3 to -37.5)
5 Road injuries	5 Chronic kidney disease	127 (60.1 to 221)	94.5 (46 to 153)	14.4 (-15.2 to 54.7)
6 Diarrheal diseases	6 Ischemic heart disease	28.6 (-20 to 102)	10.1 (-27 to 62.8)	-41.5 (-61 to -11.9)
7 Congenital defects	7 Hypertensive heart disease	127 (62.5 to 218)	94.7 (44 to 151)	-4.22 (-28.3 to 26.1)
8 Ischemic heart disease	8 Road injuries	-7.19 (-47.9 to 58.2)	-20.7 (-51.9 to 31.8)	-30 (-59.5 to 20.1)
9 Diabetes	9 Low back pain	53.8 (21.8 to 87.1)	31.8 (20.3 to 43.5)	-6.04 (-6.25 to -5.86)
10 Cirrhosis liver	10 Depressive disorders	45.6 (15.3 to 80)	24.8 (15.4 to 36.9)	-3.02 (-3.24 to -2.78)
11 Low back pain	11 Age-related hearing loss	84.2 (46 to 125)	58 (41 to 75.8)	-1.54 (-1.76 to -1.32)
12 Depressive disorders	12 Cirrhosis liver	23.4 (-5.97 to 68)	5.72 (-15.4 to 29.4)	-31.6 (-43.2 to -17.5)
13 Chronic kidney disease	13 Other musculoskeletal	179 (119 to 242)	139 (117 to 167)	74.9 (69.9 to 78.8)
14 Meningitis	14 Tuberculosis	-40.5 (-62.1 to -11.4)	-49.1 (-65.4 to -25.6)	-65.2 (-76.7 to -47.7)
15 Interpersonal violence	15 Diarrheal diseases	-27.9 (-54.9 to 7.45)	-38.2 (-58.7 to -10.1)	-44.5 (-63 to -20.4)
16 Malaria	16 COPD	76.7 (28.5 to 146)	51.5 (16.5 to 96.2)	-23.3 (-40.2 to 0.439)
17 COVID-19	17 Alzheimer's disease	181 (98.8 to 259)	141 (94.7 to 191)	-1.79 (-5.59 to 1.65)
18 Age-related hearing loss	18 Congenital defects	-51.2 (-67.2 to -28.8)	-58.4 (-67.4 to -48.4)	-33.8 (-43.8 to -18.8)
19 Hypertensive heart disease	19 Breast cancer	80.4 (28.1 to 137)	54.9 (17 to 98.8)	-1.86 (-21.8 to 20.7)
20 Dietary iron deficiency	20 Interpersonal violence	-15.3 (-37.2 to 12)	-27.5 (-40.7 to -11.8)	-32.5 (-44.4 to -18.7)
25 COPD	30 Dietary iron deficiency			
30 Other musculoskeletal	34 Meningitis			
32 Breast cancer	67 Malaria			
44 Alzheimer's disease	163 COVID-19			

### Djibouti, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Stroke	103 (50.7 to 168)	31.8 (6.55 to 71.4)	-40 (-51.1 to -22.5)
2 Neonatal disorders	2 Lower respiratory infect	35.4 (0.809 to 73.5)	-12 (-31.9 to 14.3)	-35.6 (-47 to -20.6)
3 Lower respiratory infect	3 Neonatal disorders	-13.6 (-35.8 to 11.7)	-44 (-56 to -30.8)	-12.3 (-26 to 7.05)
4 Stroke	4 Diabetes	138 (78.5 to 209)	54.4 (23.2 to 92.1)	-21.8 (-37.1 to -1.88)
5 Tuberculosis	5 Chronic kidney disease	225 (134 to 345)	111 (60.9 to 177)	12.4 (-14.3 to 47.7)
6 Diarrheal diseases	6 Ischemic heart disease	60.4 (1.58 to 153)	4.13 (-29.2 to 56.3)	-50.8 (-67.4 to -26)
7 Ischemic heart disease	7 HIV/AIDS	-58.4 (-79.4 to -17.4)	-73 (-86.6 to -46.7)	-76.7 (-88.3 to -53.3)
8 Congenital defects	8 Depressive disorders	97.8 (66.8 to 126)	28.6 (20 to 40.4)	-2.34 (-2.73 to -1.96)
9 Road injuries	9 Other musculoskeletal	339 (274 to 405)	185 (165 to 211)	101 (94.6 to 105)
10 Diabetes	10 Low back pain	111 (81.3 to 143)	36.9 (26.9 to 47.9)	-5.66 (-6.02 to -5.24)
11 Pertussis	11 Age-related hearing loss	156 (115 to 199)	66.4 (50.8 to 83)	-1.84 (-2.15 to -1.51)
12 Cirrhosis liver	12 Cirrhosis liver	58.2 (21 to 104)	2.81 (-15.7 to 26.2)	-37.7 (-48.3 to -24.1)
13 Interpersonal violence	13 Hypertensive heart disease	205 (120 to 307)	97.9 (53.6 to 153)	-18.3 (-36.9 to 6.12)
14 Depressive disorders	14 Road injuries	22.7 (-31.4 to 121)	-20.4 (-53.3 to 39.3)	-36 (-62.8 to 14.4)
15 Malaria	15 Diarrheal diseases	-9.35 (-43 to 31.4)	-41.2 (-59.2 to -14.4)	-49.2 (-65.6 to -25.8)
16 Low back pain	16 Interpersonal violence	18 (-8.33 to 48.4)	-23.3 (-37.7 to -7.8)	-31.3 (-43.3 to -18.3)
17 Maternal disorders	17 Tuberculosis	-32.3 (-54.7 to -0.203)	-56 (-69.5 to -37.6)	-71.6 (-80.4 to -59.5)
18 COVID-19	18 COPD	213 (127 to 314)	103 (60.8 to 159)	-9.67 (-29.5 to 16.2)
19 Chronic kidney disease	19 Headache disorders	78.8 (54.4 to 108)	16.2 (9.71 to 29.5)	1.64 (1.02 to 2)
20 Protein-energy malnutrition	20 Anxiety disorders	72.5 (47.5 to 98.4)	12.1 (5.64 to 20.5)	2.52 (2.2 to 2.85)
21 Age-related hearing loss	29 Congenital defects			
25 Anxiety disorders	42 Malaria			
26 Headache disorders	44 Protein-energy malnutrition			
28 Hypertensive heart disease	45 Maternal disorders			
30 Other musculoskeletal	51 Pertussis			
34 COPD	163 COVID-19			

### Eritrea, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Lower respiratory infect	-18.1 (-50.8 to 16.3)	-40 (-56 to -22.4)	-43.9 (-55.5 to -30)
2 Lower respiratory infect	2 Neonatal disorders	-49.7 (-70.1 to -27.9)	-63.5 (-70.5 to -54.8)	-42.4 (-51.7 to -29.4)
3 Tuberculosis	3 Stroke	48.2 (-6.04 to 102)	8.55 (-14.1 to 35.7)	-43 (-54.1 to -26.5)
4 Diarrheal diseases	4 Diarrheal diseases	-22.3 (-56.1 to 20.1)	-43.3 (-62.9 to -18.2)	-42.7 (-60.3 to -20.4)
5 Stroke	5 Diabetes	107 (29.8 to 184)	51.1 (24.5 to 83.2)	-14.2 (-28.7 to 4.61)
6 Congenital defects	6 Tuberculosis	-46.1 (-68.6 to -18.7)	-60.5 (-72.5 to -42.1)	-70.6 (-79.7 to -57.2)
7 COVID-19	7 Conflict & terror	180 (-20.1 to 391)	105 (-38.9 to 294)	36.4 (-46.3 to 157)
8 Road injuries	8 Ischemic heart disease	41.2 (-17.8 to 109)	3.51 (-28.1 to 45.9)	-44.3 (-62.2 to -18.8)
9 Interpersonal violence	9 Cirrhosis liver	28.6 (-20.7 to 75.7)	-5.9 (-22.5 to 14.9)	-37.9 (-47.9 to -24.7)
10 Cirrhosis liver	10 Road injuries	0.8 (-51 to 80)	-26.3 (-56.8 to 30.3)	-36.4 (-62.7 to 9.69)
11 Ischemic heart disease	11 Chronic kidney disease	152 (51.1 to 250)	84.2 (40 to 142)	15.9 (-12.5 to 52.7)
12 Protein-energy malnutrition	12 Depressive disorders	70.2 (10.7 to 133)	24.2 (15.3 to 34.9)	-4.02 (-4.48 to -3.62)
13 Diabetes	13 Interpersonal violence	2.25 (-35.9 to 48.8)	-25.5 (-39 to -7.5)	-31.4 (-42.6 to -17.1)
14 Maternal disorders	14 Low back pain	77 (14.6 to 144)	29.2 (18.6 to 41.9)	-8.1 (-8.46 to -7.79)
15 HIV/AIDS	15 Hypertensive heart disease	111 (29.4 to 193)	54.3 (17.8 to 94.7)	-28.7 (-46.2 to -6.34)
16 Meningitis	16 Age-related hearing loss	111 (38.7 to 188)	54 (39.1 to 72.4)	-2.01 (-2.35 to -1.61)
17 Depressive disorders	17 Congenital defects	-42.8 (-66.2 to -12.9)	-58.5 (-67.2 to -46.5)	-36.3 (-45.4 to -23.1)
18 Conflict & terror	18 COPD	98.3 (24.4 to 168)	45.2 (16.5 to 83.1)	-28 (-44 to -9.52)
19 Dietary iron deficiency	19 Self-harm	42.9 (-11.3 to 105)	4.33 (-17.1 to 28.1)	-18 (-34.2 to 0.958)
20 Low back pain	20 Anxiety disorders	53.5 (-6.98 to 113)	11.8 (5.71 to 20)	1.23 (0.839 to 1.6)
21 Chronic kidney disease	22 Dietary iron deficiency			
22 Self-harm	31 Meningitis			
25 Hypertensive heart disease	36 Maternal disorders			
26 Anxiety disorders	38 Protein-energy malnutrition			
28 Age-related hearing loss	75 HIV/AIDS			
32 COPD	166 COVID-19			



### Ethiopia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-36.8 (-53.4 to -16.8)	-66.6 (-73.6 to -57.9)	-46 (-55.6 to -32.3)
2 Lower respiratory infect	2 Lower respiratory infect	-24 (-40.7 to -1.79)	-59.8 (-67.6 to -51.3)	-54.6 (-62.3 to -44.9)
3 Diarrheal diseases	3 Diarrheal diseases	-21.2 (-50.3 to 19.7)	-58.3 (-73.1 to -36.4)	-55.7 (-70.5 to -33.8)
4 Congenital defects	4 Depressive disorders	137 (102 to 174)	25.7 (19 to 33.7)	-3.92 (-4.1 to -3.69)
5 COVID-19	5 Chronic kidney disease	207 (122 to 309)	62.5 (23.8 to 115)	7.93 (-19.3 to 42.9)
6 Tuberculosis	6 Other musculoskeletal	554 (461 to 643)	246 (223 to 272)	139 (132 to 146)
7 Stroke	7 Stroke	80.5 (44.2 to 124)	-4.36 (-21.5 to 16.5)	-46 (-55.4 to -33.5)
8 HIV/AIDS	8 Low back pain	144 (105 to 182)	29.2 (21.4 to 38.6)	-7.84 (-8.13 to -7.47)
9 Meningitis	9 Diabetes	125 (83.4 to 169)	19 (0.279 to 42.3)	-30.7 (-40.9 to -18.5)
10 Pertussis	10 Age-related hearing loss	177 (133 to 218)	46.6 (35.5 to 56.6)	-2.21 (-2.4 to -2.02)
11 Depressive disorders	11 Cirrhosis liver	88.9 (51.8 to 140)	0.0898 (-16.8 to 21.8)	-35.9 (-46.4 to -22.3)
12 Protein-energy malnutrition	12 Congenital defects	-24.6 (-42.7 to -2.53)	-60.2 (-66.6 to -52.7)	-38.4 (-45.7 to -27.8)
13 Road injuries	13 Anxiety disorders	115 (81.2 to 147)	13.9 (8.65 to 20)	2.14 (1.87 to 2.42)
14 Low back pain	14 Interpersonal violence	64.4 (27.3 to 105)	-13 (-25.7 to 2.36)	-24.3 (-34.7 to -10.8)
15 Cirrhosis liver	15 Road injuries	32.7 (-26.3 to 140)	-29.7 (-59.5 to 29.8)	-39.2 (-64.8 to 8.05)
16 Diabetes	16 Ischemic heart disease	50.7 (-2.28 to 124)	-20.1 (-46.4 to 19.6)	-54.7 (-70.2 to -30)
17 Interpersonal violence	17 Headache disorders	124 (87.3 to 160)	18.5 (12.1 to 29.2)	1.1 (0.709 to 1.38)
18 Ischemic heart disease	18 Gynecological diseases	80.3 (41.4 to 130)	-4.52 (-22.5 to 18)	-24.3 (-38 to -6.41)
19 Dietary iron deficiency	19 Tuberculosis	-36.2 (-59.2 to -1.56)	-66.2 (-77.8 to -47.3)	-75.2 (-83.3 to -62.4)
20 Chronic kidney disease	20 Idiopathic epilepsy	76.1 (15.9 to 162)	-6.76 (-35.4 to 31.4)	-9.44 (-36.1 to 27.6)
22 Age-related hearing loss	24 Dietary iron deficiency			
23 Anxiety disorders	32 Meningitis			
24 Gynecological diseases	36 Pertussis			
25 Idiopathic epilepsy	47 HIV/AIDS			
28 Headache disorders	48 Protein-energy malnutrition			
39 Other musculoskeletal	168 COVID-19			

### Kenya, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Neonatal disorders	-31.4 (-46.8 to -13.7)	-52.4 (-61 to -41.7)	-28.1 (-38.2 to -15.2)
2 Neonatal disorders	2 Lower respiratory infect	9.46 (-12.4 to 31.5)	-23.9 (-37.2 to -6.46)	-38.7 (-47.5 to -27.3)
3 Lower respiratory infect	3 Stroke	67.9 (41.3 to 94)	16.8 (-2.27 to 37.6)	-43.5 (-51.9 to -32.6)
4 Tuberculosis	4 Cirrhosis liver	73.9 (50.2 to 102)	20.9 (2.09 to 41.4)	-31.1 (-40 to -19.6)
5 Diarrheal diseases	5 Diarrheal diseases	-10.5 (-38.7 to 30.7)	-37.8 (-56.9 to -8.38)	-38.8 (-57.4 to -12)
6 COVID-19	6 Low back pain	104 (86.3 to 122)	41.5 (30.2 to 52.1)	-5.25 (-5.72 to -4.83)
7 Stroke	7 Depressive disorders	91.8 (74.1 to 112)	33.3 (24.8 to 42.9)	-2.57 (-2.76 to -2.38)
8 Cirrhosis liver	8 Tuberculosis	-23.3 (-46.8 to 6.4)	-46.6 (-62.6 to -25.3)	-65.6 (-76.1 to -51)
9 Congenital defects	9 Diabetes	157 (118 to 197)	78.4 (49.7 to 109)	-8.79 (-22.2 to 5.9)
10 Depressive disorders	10 Chronic kidney disease	183 (121 to 255)	96.8 (52.4 to 148)	11.7 (-13.9 to 45)
11 Low back pain	11 Age-related hearing loss	131 (108 to 151)	60.3 (44.7 to 75)	-1.24 (-1.38 to -1.1)
12 Malaria	12 Other musculoskeletal	276 (242 to 310)	162 (140 to 183)	71.5 (68.3 to 74.2)
13 Ischemic heart disease	13 Ischemic heart disease	57.9 (13.7 to 113)	9.88 (-21.4 to 51)	-46.6 (-61.4 to -26.7)
14 Interpersonal violence	14 Hypertensive heart disease	209 (143 to 285)	115 (65.9 to 169)	-5.31 (-27.3 to 20.5)
15 Road injuries	15 COPD	121 (76.8 to 162)	53.5 (24.2 to 84.6)	-26.6 (-40.7 to -11.4)
16 Diabetes	16 Road injuries	30.4 (-12.2 to 98.8)	-9.31 (-38.7 to 38.6)	-29.3 (-53 to 8.43)
17 Age-related hearing loss	17 Headache disorders	72.1 (55.1 to 97.1)	19.6 (11.8 to 32.9)	0.579 (0.347 to 0.834)
18 Meningitis	18 Interpersonal violence	23.7 (4.29 to 48.2)	-14.1 (-26.5 to -0.942)	-27.3 (-36.4 to -16)
19 Chronic kidney disease	19 Gynecological diseases	61.6 (33 to 91)	12.3 (-6.18 to 34.4)	-13.8 (-27.6 to 1.92)
20 Protein-energy malnutrition	20 Anxiety disorders	61.8 (44.1 to 79.5)	12.4 (6.01 to 20.4)	1.08 (0.894 to 1.31)
21 Gynecological diseases	21 HIV/AIDS			
22 Anxiety disorders	25 Congenital defects			
23 Headache disorders	34 Meningitis			
26 COPD	42 Protein-energy malnutrition			
28 Hypertensive heart disease	97 Malaria			
29 Other musculoskeletal	167 COVID-19			

### Madagascar, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diarrheal diseases	-7.88 (-38 to 45)	-45.9 (-63.4 to -17.8)	-33 (-52.6 to -5.25)
2 Neonatal disorders	2 Stroke	64.2 (36.4 to 101)	-3.51 (-21.8 to 18.3)	-44 (-53.4 to -31.6)
3 Diarrheal diseases	3 Neonatal disorders	-34.9 (-47.5 to -18.8)	-61.8 (-68 to -54.2)	-42.6 (-50.8 to -32.2)
4 Lower respiratory infect	4 Lower respiratory infect	-19.6 (-34.2 to -0.474)	-52.7 (-61.8 to -41.3)	-46.3 (-54.6 to -35.7)
5 Stroke	5 Ischemic heart disease	72.4 (24 to 149)	1.33 (-29.6 to 50.1)	-41.8 (-59.5 to -15.7)
6 Tuberculosis	6 Hypertensive heart disease	181 (119 to 269)	65.2 (25.7 to 117)	-13 (-33.1 to 13.9)
7 Malaria	7 Depressive disorders	114 (92.2 to 137)	25.6 (18.5 to 34.1)	-2.85 (-3.05 to -2.62)
8 Congenital defects	8 Low back pain	123 (103 to 148)	31.1 (22.7 to 39.2)	-5.65 (-5.83 to -5.47)
9 Protein-energy malnutrition	9 Diabetes	141 (99.5 to 192)	41.7 (15.7 to 73.4)	-14.2 (-26.7 to 2.31)
10 Ischemic heart disease	10 Tuberculosis	-24.4 (-48.7 to 13.9)	-55.5 (-69.2 to -35)	-66.1 (-76.1 to -51)
11 Measles	11 Age-related hearing loss	147 (121 to 177)	45.2 (33.8 to 56.5)	-1.52 (-1.62 to -1.41)
12 Road injuries	12 Congenital defects	-22.7 (-37.8 to -5.81)	-54.7 (-61.6 to -46.3)	-34.2 (-42.4 to -23.3)
13 Pertussis	13 Other musculoskeletal	329 (290 to 376)	152 (135 to 167)	78.1 (73.4 to 81.7)
14 Asthma	14 COPD	142 (92.3 to 213)	42.4 (11.6 to 80.3)	-24.5 (-40.3 to -6.03)
15 Depressive disorders	15 Cirrhosis liver	66.8 (41.8 to 99.7)	-1.93 (-17.4 to 17.7)	-34.6 (-43.9 to -22.2)
16 Meningitis	16 Chronic kidney disease	174 (110 to 267)	61 (21.3 to 116)	9.38 (-17.1 to 46.2)
17 Cirrhosis liver	17 Road injuries	18 (-27.8 to 103)	-30.7 (-56.9 to 15.1)	-37.6 (-59.8 to 1.32)
18 STIs	18 Anxiety disorders	92.4 (72.4 to 112)	13 (5.95 to 20.8)	1.08 (0.876 to 1.29)
19 Hypertensive heart disease	19 Dietary iron deficiency	37.8 (20.3 to 55.6)	-19.1 (-24 to -15.1)	-17.3 (-17.8 to -16.5)
20 Low back pain	20 Headache disorders	100 (80.2 to 124)	17.6 (11.3 to 28.1)	0.394 (0.201 to 0.578)
22 Dietary iron deficiency	23 Protein-energy malnutrition			
24 Diabetes	25 Asthma			
26 Age-related hearing loss	27 Pertussis			
27 COPD	28 Malaria			
28 Anxiety disorders	30 Meningitis			
30 Headache disorders	45 STIs			
32 Chronic kidney disease	84 Measles			

### Malawi, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Neonatal disorders	-35.4 (-52.1 to -14.3)	-60.8 (-68.3 to -50.4)	-37.3 (-48.3 to -23.8)
2 Neonatal disorders	2 Lower respiratory infect	-15.9 (-31.6 to 3.46)	-48.7 (-58.2 to -35.6)	-43.5 (-53 to -30.5)
3 Lower respiratory infect	3 Diarrheal diseases	3.26 (-29.2 to 55.1)	-37 (-57.5 to -5.54)	-34 (-55.1 to -0.788)
4 COVID-19	4 Stroke	60.8 (31.9 to 93.5)	-1.82 (-21.8 to 22.4)	-44.9 (-55.7 to -29.5)
5 Malaria	5 Cirrhosis liver	82.7 (53.2 to 115)	11.5 (-8.06 to 35.5)	-31.5 (-42.1 to -18.7)
6 Diarrheal diseases	6 Chronic kidney disease	144 (81.3 to 225)	48.9 (10 to 104)	0.823 (-26 to 36.4)
7 Tuberculosis	7 Ischemic heart disease	67.9 (12.9 to 152)	2.64 (-33.4 to 60.2)	-42.8 (-62.1 to -11.9)
8 Congenital defects	8 Diabetes	122 (80.9 to 170)	35.8 (9.49 to 70.4)	-20.6 (-36.1 to -0.118)
9 Stroke	9 Low back pain	125 (100 to 149)	37.4 (26.2 to 49.4)	-6.09 (-6.5 to -5.61)
10 Meningitis	10 Depressive disorders	114 (87.2 to 137)	30.3 (20.1 to 41.5)	-2.94 (-3.37 to -2.51)
11 Road injuries	11 Other musculoskeletal	369 (315 to 416)	186 (162 to 213)	88.3 (82.7 to 92.9)
12 Cirrhosis liver	12 Road injuries	24.6 (-27.9 to 110)	-23.9 (-57 to 32.9)	-34.8 (-61.2 to 10.6)
13 Ischemic heart disease	13 Tuberculosis	-25.7 (-51.7 to 13.6)	-54.6 (-71.7 to -28.8)	-67.7 (-79.1 to -50.1)
14 Dietary iron deficiency	14 Age-related hearing loss	145 (116 to 172)	49.5 (35.4 to 64.7)	-1.68 (-2.2 to -1.11)
15 Protein-energy malnutrition	15 Congenital defects	-32.8 (-50 to -15.1)	-59.2 (-66.7 to -50.8)	-36.8 (-45.6 to -24.9)
16 Diabetes	16 Esophageal cancer	187 (148 to 225)	75.2 (52.5 to 99.7)	-7.89 (-18 to 1.1)
17 Low back pain	17 Self-harm	89.8 (54.8 to 133)	15.8 (-7.72 to 40.3)	-14.3 (-29.7 to 2.73)
18 Chronic kidney disease	18 Anxiety disorders	90 (64.7 to 116)	15.7 (6.74 to 26)	1.36 (0.994 to 1.75)
19 Depressive disorders	19 Hypertensive heart disease	163 (101 to 241)	60.6 (19.1 to 117)	-16.5 (-38.2 to 13.1)
20 Idiopathic epilepsy	20 Headache disorders	100 (75.2 to 128)	22.1 (12.8 to 35.9)	0.691 (0.286 to 1.09)
22 Self-harm	21 Idiopathic epilepsy			
23 Anxiety disorders	22 Dietary iron deficiency			
25 Age-related hearing loss	23 HIV/AIDS			
27 Headache disorders	27 Meningitis			
30 Esophageal cancer	30 Malaria			
33 Hypertensive heart disease	43 Protein-energy malnutrition			
38 Other musculoskeletal	167 COVID-19			

### Mozambique, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Neonatal disorders	-44.9 (-58.7 to -30.2)	-69.6 (-75.2 to -62.4)	-50.7 (-58.8 to -40.6)
2 Neonatal disorders	2 Stroke	49.3 (22.7 to 80.8)	-17.4 (-34.9 to 0.212)	-48.8 (-57.6 to -37.8)
3 Malaria	3 Lower respiratory infect	-19.1 (-33.6 to -0.537)	-55.3 (-63.7 to -45.3)	-47.5 (-55.7 to -38)
4 Lower respiratory infect	4 HIV/AIDS	-75.5 (-79.7 to -70.2)	-86.5 (-88.9 to -83.5)	-87.2 (-89.3 to -84.6)
5 Tuberculosis	5 Diabetes	165 (113 to 223)	46.5 (17.1 to 74.9)	-5.19 (-21 to 13.6)
6 Stroke	6 Malaria	-62.1 (-93.4 to 69.8)	-79 (-96.2 to -8.36)	-76.6 (-95.8 to -1.98)
7 COVID-19	7 Dietary iron deficiency	41.2 (21.7 to 59.3)	-22 (-24.8 to -18.8)	-23.5 (-24.3 to -22.7)
8 Congenital defects	8 Tuberculosis	-38.2 (-59.1 to -9.76)	-65.8 (-77.3 to -47.3)	-73.2 (-81.5 to -60)
9 Diarrheal diseases	9 Depressive disorders	130 (103 to 157)	27.1 (19.6 to 35.1)	-3.99 (-4.41 to -3.62)
10 Dietary iron deficiency	10 Diarrheal diseases	-25.6 (-49.6 to 3.69)	-58.8 (-72.3 to -40.6)	-51.8 (-65.3 to -33.7)
11 Road injuries	11 Congenital defects	-29.8 (-45.5 to -12.6)	-61.3 (-67.9 to -53)	-39.8 (-47.7 to -29.8)
12 STIs	12 Low back pain	130 (107 to 153)	27.2 (18.1 to 36.1)	-8.02 (-8.34 to -7.61)
13 Diabetes	13 Road injuries	14.8 (-29.8 to 87.3)	-36.4 (-63.6 to 8.55)	-45.7 (-66.9 to -9.41)
14 Depressive disorders	14 Other musculoskeletal	480 (396 to 558)	221 (184 to 251)	120 (101 to 136)
15 Protein-energy malnutrition	15 Hypertensive heart disease	160 (97 to 231)	43.9 (6.59 to 87.7)	-19.4 (-39.3 to 3.53)
16 Low back pain	16 Chronic kidney disease	137 (76.4 to 204)	31.3 (-2.16 to 71.2)	2.01 (-22.8 to 34.4)
17 Meningitis	17 Self-harm	114 (74.9 to 156)	18.2 (-2.4 to 42.5)	-12.4 (-25.5 to 3.48)
18 Interpersonal violence	18 Age-related hearing loss	151 (119 to 180)	38.5 (26.2 to 50)	-2.27 (-2.47 to -2.05)
19 Maternal disorders	19 Anxiety disorders	115 (88 to 145)	18.7 (11.7 to 27.4)	1.89 (1.49 to 2.27)
20 Self-harm	20 Interpersonal violence	62.7 (29.2 to 103)	-10.1 (-26 to 6.74)	-21.4 (-32.6 to -9)
21 Chronic kidney disease	36 STIs			
22 Hypertensive heart disease	37 Meningitis			
26 Anxiety disorders	42 Maternal disorders			
29 Age-related hearing loss	52 Protein-energy malnutrition			
44 Other musculoskeletal	160 COVID-19			

### Rwanda, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-27.1 (-43.6 to -11.3)	-61 (-68.4 to -53.2)	-37.6 (-48.2 to -25.9)
2 Lower respiratory infect	2 Stroke	60.1 (31 to 91.8)	-14.2 (-29.1 to 1.39)	-50.4 (-58.1 to -40.8)
3 Conflict & terror	3 Lower respiratory infect	-9.46 (-28.7 to 13.2)	-51.5 (-61.5 to -38.8)	-50.3 (-58.6 to -39)
4 HIV/AIDS	4 Depressive disorders	129 (96.1 to 161)	22.7 (16.1 to 30.4)	-4.34 (-4.68 to -3.88)
5 Malaria	5 Road injuries	44.9 (-8.74 to 124)	-22.2 (-51.4 to 18.5)	-30.4 (-56.5 to 5.94)
6 Diarrheal diseases	6 Conflict & terror	159 (-31.4 to 425)	38.4 (-62.1 to 156)	1.91 (-65.6 to 90.6)
7 Stroke	7 Low back pain	137 (106 to 166)	27.1 (20.3 to 35.4)	-7.29 (-7.53 to -6.96)
8 Congenital defects	8 Diabetes	133 (86.8 to 184)	24.7 (1.25 to 48.6)	-24.1 (-36.3 to -8.49)
9 Road injuries	9 Diarrheal diseases	-4.64 (-40.3 to 39.9)	-48.9 (-68.1 to -24.9)	-42.6 (-63 to -18.2)
10 Tuberculosis	10 Chronic kidney disease	173 (109 to 255)	46.2 (13.1 to 91.3)	-2.09 (-25.2 to 30.6)
11 Cirrhosis liver	11 Cirrhosis liver	57 (31.1 to 85)	-15.8 (-27.5 to -3.07)	-43.4 (-50.7 to -35)
12 COVID-19	12 Age-related hearing loss	171 (131 to 211)	45.4 (34.5 to 55.4)	-1.87 (-2.02 to -1.72)
13 Depressive disorders	13 Ischemic heart disease	52 (7.23 to 114)	-18.5 (-42.3 to 17.6)	-52.9 (-66.7 to -31.5)
14 Low back pain	14 Congenital defects	-25.5 (-40.7 to -8.08)	-60.2 (-66.6 to -52.1)	-38.5 (-47 to -28.4)
15 Ischemic heart disease	15 COPD	138 (84.7 to 201)	27.5 (-0.0133 to 58.5)	-28.5 (-43.3 to -11.5)
16 Diabetes	16 Anxiety disorders	109 (78.8 to 134)	12 (5.33 to 18.9)	1.02 (0.728 to 1.32)
17 Asthma	17 Headache disorders	117 (86.6 to 144)	16.2 (10.3 to 26.6)	0.133 (-0.133 to 0.503)
18 Meningitis	18 Hypertensive heart disease	164 (104 to 238)	41.6 (7.96 to 81.2)	-25.2 (-42.6 to -4.97)
19 Chronic kidney disease	19 Gynecological diseases	76.7 (42.5 to 116)	-5.23 (-22.1 to 12.7)	-23.8 (-37.7 to -9.73)
20 Gynecological diseases	20 Tuberculosis	-27.8 (-50.1 to 4.97)	-61.3 (-73.7 to -43.9)	-71.3 (-79.9 to -58.6)
21 Age-related hearing loss	27 Asthma			
22 Anxiety disorders	28 HIV/AIDS			
26 Headache disorders	38 Meningitis			
27 COPD	78 Malaria			
30 Hypertensive heart disease	164 COVID-19			

### Somalia, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	4.89 (-35.2 to 66.3)	<b>-48.6 (-62 to -25.3)</b>	-29.3 (-46.6 to 1.52)
2 Measles	2 Lower respiratory infect	5.94 (-34.2 to 56.5)	<b>-48.1 (-60.2 to -33.5)</b>	<b>-24.7 (-40 to -3.61)</b>
3 Diarrheal diseases	3 Diarrheal diseases	-6.07 (-52.6 to 97.2)	<b>-54 (-71.5 to -13.4)</b>	-37.9 (-60.4 to 18.1)
4 Lower respiratory infect	4 Tuberculosis	-22.9 (-60.8 to 50.7)	<b>-62.1 (-79 to -27.7)</b>	<b>-63.8 (-78.7 to -32.1)</b>
5 Tuberculosis	5 Pertussis	29.7 (-27.6 to 116)	-36.6 (-60.9 to 2.42)	-19.4 (-48.8 to 28.9)
6 Congenital defects	6 Stroke	<b>115 (36.2 to 230)</b>	5.39 (-20.1 to 44.4)	-20.8 (-44.3 to 20)
7 Pertussis	7 Congenital defects	3.94 (-33.1 to 47.9)	<b>-49.1 (-58 to -36.9)</b>	<b>-32.6 (-43.7 to -17.2)</b>
8 Protein-energy malnutrition	8 Road injuries	93.9 (-18.6 to 310)	-4.7 (-55 to 100)	-13.6 (-55.8 to 72.2)
9 Meningitis	9 Interpersonal violence	<b>71.9 (0.298 to 154)</b>	-15.9 (-37 to 8.4)	<b>-21.7 (-39.5 to -0.923)</b>
10 Maternal disorders	10 Diabetes	<b>188 (72.2 to 361)</b>	<b>41.4 (3.31 to 111)</b>	9.34 (-23 to 71.7)
11 Conflict & terror	11 Meningitis	-6.09 (-51.2 to 66.6)	<b>-53.9 (-71.7 to -22.4)</b>	<b>-46.1 (-64.4 to -15)</b>
12 Road injuries	12 Cirrhosis liver	<b>79 (15.6 to 167)</b>	-12.2 (-30.9 to 16.3)	<b>-29 (-44.2 to -5.77)</b>
13 Stroke	13 Chronic kidney disease	<b>181 (67.6 to 354)</b>	38 (-2.74 to 107)	14.8 (-19.7 to 75.4)
14 Tetanus	14 Conflict & terror	67.6 (-68.6 to 465)	-17.7 (-84.3 to 192)	-18.5 (-83.3 to 156)
15 Interpersonal violence	15 Ischemic heart disease	<b>162 (22.8 to 488)</b>	28.9 (-31.3 to 163)	-6.25 (-51.8 to 102)
16 COVID-19	16 Depressive disorders	<b>129 (52.7 to 197)</b>	<b>12.3 (7.99 to 17.3)</b>	<b>-3.67 (-4.13 to -3.19)</b>
17 Cirrhosis liver	17 Measles	-80.5 (-98.2 to 8.38)	<b>-90.8 (-98.9 to -49.1)</b>	<b>-88.3 (-98.5 to -35.4)</b>
18 Malaria	18 Maternal disorders	-4.22 (-51.6 to 78.9)	<b>-53 (-73.1 to -17.6)</b>	<b>-57.9 (-74.6 to -27.6)</b>
19 HIV/AIDS	19 Low back pain	<b>128 (50.7 to 196)</b>	<b>11.5 (6.21 to 17.7)</b>	<b>-6.95 (-7.42 to -6.58)</b>
20 STIs	20 Protein-energy malnutrition	-38.4 (-72.9 to 60.5)	<b>-69.7 (-85.4 to -24.3)</b>	-59.2 (-79.4 to 0.0628)
22 Diabetes	41 Tetanus			
23 Depressive disorders	43 STIs			
24 Ischemic heart disease	58 HIV/AIDS			
25 Chronic kidney disease	92 Malaria			
27 Low back pain	165 COVID-19			

### South Sudan, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-16.8 (-46.6 to 31)	<b>-62.8 (-74.5 to -42.3)</b>	<b>-50.4 (-65.4 to -22.9)</b>
2 Diarrheal diseases	2 Diarrheal diseases	-14 (-58.1 to 60.2)	<b>-61.5 (-81 to -24.5)</b>	<b>-48.2 (-74.2 to -0.559)</b>
3 Malaria	3 Lower respiratory infect	-25.5 (-50.4 to 1.75)	<b>-66.7 (-76.1 to -55.1)</b>	<b>-54 (-65.8 to -38.1)</b>
4 Lower respiratory infect	4 Malaria	-51.9 (-90.7 to 159)	-77.7 (-95.6 to 16.6)	-73.6 (-94.1 to 25)
5 Congenital defects	5 Congenital defects	5.91 (-23.8 to 37.9)	<b>-52.7 (-62.2 to -39.5)</b>	<b>-40.5 (-51.2 to -24.1)</b>
6 Tuberculosis	6 Stroke	<b>75.6 (24.4 to 144)</b>	-21.5 (-42 to 9.02)	-32.9 (-52.9 to 3.17)
7 Protein-energy malnutrition	7 Chronic kidney disease	<b>190 (74.4 to 353)</b>	29.7 (-17.6 to 103)	24.7 (-25.1 to 105)
8 HIV/AIDS	8 Interpersonal violence	<b>72.3 (30.9 to 118)</b>	<b>-23.1 (-35.4 to -6.55)</b>	<b>-26.8 (-38.1 to -11)</b>
9 Meningitis	9 Onchocerciasis	<b>75.8 (46.6 to 110)</b>	<b>-21.5 (-25.7 to -17.3)</b>	<b>-27.6 (-29.4 to -25.1)</b>
10 Conflict & terror	10 Diabetes	<b>123 (55.9 to 212)</b>	-0.468 (-25.8 to 42.2)	-13.1 (-38.9 to 34.4)
11 Stroke	11 Tuberculosis	-42.4 (-75 to 20.6)	<b>-74.2 (-88.3 to -42)</b>	<b>-72.4 (-86.9 to -40.4)</b>
12 Interpersonal violence	12 Depressive disorders	<b>139 (97.1 to 184)</b>	<b>6.64 (1.21 to 12.3)</b>	<b>-2.99 (-3.74 to -2.13)</b>
13 STIs	13 Ischemic heart disease	82.6 (-15.1 to 276)	-18.3 (-60.5 to 76.5)	-31.4 (-68.8 to 51.5)
14 Maternal disorders	14 Protein-energy malnutrition	-49.1 (-75.7 to 22.6)	<b>-77.2 (-89.1 to -45.2)</b>	<b>-71.5 (-86.4 to -29.4)</b>
15 Road injuries	15 Cirrhosis liver	<b>59.4 (17.2 to 111)</b>	<b>-28.7 (-44.2 to -6.57)</b>	<b>-37.1 (-50.6 to -17.1)</b>
16 Onchocerciasis	16 Road injuries	21.3 (-46.4 to 153)	-45.7 (-74.6 to 25.4)	-46.6 (-73.5 to 17.6)
17 Pertussis	17 Low back pain	<b>133 (92.6 to 181)</b>	4.16 (-2.07 to 11)	<b>-6.26 (-6.86 to -5.62)</b>
18 Cirrhosis liver	18 Maternal disorders	5.4 (-42.4 to 80.2)	<b>-52.9 (-72.9 to -18.1)</b>	<b>-58.3 (-75.6 to -28.7)</b>
19 Ischemic heart disease	19 Meningitis	-32 (-61.4 to 24.6)	<b>-69.6 (-81.6 to -42.3)</b>	<b>-61.6 (-75.5 to -32.1)</b>
20 Diabetes	20 Anxiety disorders	<b>141 (97.9 to 188)</b>	<b>7.82 (4.25 to 12)</b>	<b>2.07 (1.34 to 2.81)</b>
21 Chronic kidney disease	21 Conflict & terror			
23 Depressive disorders	24 Pertussis			
26 Low back pain	26 STIs			
31 Anxiety disorders	37 HIV/AIDS			



### Uganda, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-27 (-45.2 to -5.26)	-63.8 (-70.3 to -55.5)	-43.6 (-52.3 to -32.5)
2 Malaria	2 Depressive disorders	157 (123 to 197)	27.7 (19.6 to 36.5)	-3.79 (-4.05 to -3.51)
3 HIV/AIDS	3 Lower respiratory infect	-12 (-34.2 to 11.9)	-56.3 (-66 to -44.4)	-49.3 (-57.9 to -39.3)
4 Lower respiratory infect	4 Diarrheal diseases	10.3 (-32.3 to 57.4)	-45.2 (-64.5 to -19.1)	-38.2 (-57.3 to -12.1)
5 Congenital defects	5 Low back pain	162 (127 to 197)	29.9 (21.5 to 37.3)	-7.44 (-7.67 to -7.18)
6 Diarrheal diseases	6 Diabetes	163 (108 to 230)	30.7 (7.82 to 56.4)	-21.5 (-34.4 to -7.08)
7 COVID-19	7 Congenital defects	-17.4 (-34.7 to 3.7)	-59.1 (-64.8 to -50.7)	-38.4 (-46 to -27.5)
8 Tuberculosis	8 Stroke	60 (23.3 to 94.6)	-20.6 (-34.8 to -6.04)	-52.3 (-59.7 to -43.6)
9 Measles	9 Other musculoskeletal	505 (423 to 592)	200 (178 to 224)	107 (96.7 to 113)
10 Depressive disorders	10 Road injuries	38.8 (-20.3 to 138)	-31.1 (-58 to 10)	-37.6 (-60.4 to -0.914)
11 Road injuries	11 HIV/AIDS	-67.7 (-74.6 to -59.8)	-84 (-86.8 to -80.7)	-87.1 (-89.3 to -84.2)
12 Stroke	12 Chronic kidney disease	158 (83.7 to 245)	27.9 (-4.24 to 72.5)	-10.1 (-31.1 to 18.4)
13 Meningitis	13 Malaria	-77.3 (-95 to -7.78)	-88.6 (-97.5 to -50.2)	-84.4 (-96.5 to -31.1)
14 STIs	14 Anxiety disorders	135 (105 to 166)	16.5 (9.7 to 25.5)	1.48 (1.21 to 1.75)
15 Ischemic heart disease	15 Cirrhosis liver	71.4 (39.4 to 107)	-14.9 (-28.7 to 2)	-43.5 (-51.5 to -33.5)
16 Protein-energy malnutrition	16 Tuberculosis	-27.4 (-51.4 to 6.87)	-63.9 (-76 to -47.4)	-71.8 (-80.1 to -59.1)
17 Low back pain	17 Ischemic heart disease	56.4 (6.81 to 123)	-22.4 (-46.7 to 13)	-54.5 (-68 to -36.2)
18 Diabetes	18 Age-related hearing loss	191 (154 to 227)	44.7 (33.2 to 54.2)	-2.14 (-2.27 to -2.03)
19 Cirrhosis liver	19 Headache disorders	144 (113 to 180)	21.2 (14.8 to 31.9)	0.267 (-0.0415 to 0.531)
20 Pertussis	20 Gynecological diseases	102 (57.9 to 149)	0.394 (-18 to 22.1)	-25.6 (-39.9 to -10.8)
22 Chronic kidney disease	29 Meningitis			
23 Anxiety disorders	36 Pertussis			
28 Gynecological diseases	42 STIs			
29 Headache disorders	55 Protein-energy malnutrition			
31 Age-related hearing loss	95 Measles			
38 Other musculoskeletal	169 COVID-19			

### Tanzania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-32.8 (-47.8 to -15.2)	-61.5 (-67.8 to -53.9)	-40.9 (-49.4 to -28.5)
2 HIV/AIDS	2 Lower respiratory infect	-31.1 (-47.9 to -13.2)	-60.5 (-68.8 to -50.5)	-52.1 (-60.7 to -41)
3 Lower respiratory infect	3 Diarrheal diseases	-9.97 (-40.9 to 30)	-48.4 (-65.6 to -25.2)	-44.1 (-61.1 to -21)
4 Malaria	4 Stroke	60.1 (28.9 to 98.9)	-8.23 (-24.1 to 10.2)	-46 (-54.7 to -35.1)
5 Diarrheal diseases	5 Diabetes	183 (131 to 254)	62.1 (32.5 to 92.6)	2.3 (-13.4 to 19.6)
6 Congenital defects	6 Ischemic heart disease	55.5 (4.62 to 117)	-10.8 (-37.6 to 26)	-47.2 (-63.8 to -24.3)
7 Tuberculosis	7 Depressive disorders	116 (85.3 to 146)	23.6 (16.8 to 30.5)	-3.38 (-3.75 to -3.05)
8 Stroke	8 Chronic kidney disease	183 (108 to 271)	62 (24.1 to 116)	12.1 (-13.1 to 45)
9 Ischemic heart disease	9 Congenital defects	-27.8 (-43.1 to -8)	-58.7 (-65 to -49.7)	-37.8 (-45.8 to -24.9)
10 STIs	10 Low back pain	122 (90.3 to 153)	26.8 (18.7 to 34.5)	-6.73 (-6.96 to -6.49)
11 Road injuries	11 Other musculoskeletal	388 (319 to 457)	179 (161 to 198)	102 (95.7 to 106)
12 Depressive disorders	12 HIV/AIDS	-67.1 (-76 to -55.8)	-81.1 (-86.1 to -75.7)	-82.9 (-87.2 to -78.2)
13 Dietary iron deficiency	13 Cirrhosis liver	80.7 (50.3 to 117)	3.55 (-11.3 to 23.9)	-30.1 (-39.8 to -16.5)
14 Maternal disorders	14 Age-related hearing loss	152 (115 to 191)	44.5 (33 to 56.3)	-1.89 (-2.05 to -1.71)
15 Cirrhosis liver	15 Dietary iron deficiency	30.3 (7.6 to 51.5)	-25.5 (-30.2 to -21.5)	-19.3 (-20.4 to -17.9)
16 Low back pain	16 Anxiety disorders	98.9 (71 to 127)	13.8 (7.94 to 20.9)	1.38 (1.08 to 1.69)
17 Diabetes	17 Hypertensive heart disease	181 (109 to 264)	61.2 (22.3 to 108)	-11.9 (-32.2 to 14.7)
18 Protein-energy malnutrition	18 Road injuries	19 (-26.3 to 90.9)	-31.7 (-56.1 to 17.5)	-39 (-60 to 4.34)
19 Meningitis	19 Headache disorders	105 (76.7 to 137)	17.5 (11.9 to 26.9)	0.457 (0.174 to 0.721)
20 Chronic kidney disease	20 Gynecological diseases	69.6 (30.9 to 106)	-2.84 (-22.2 to 18.1)	-22.4 (-37.2 to -5.47)
24 Anxiety disorders	21 Tuberculosis			
25 Gynecological diseases	33 Maternal disorders			
26 Headache disorders	40 Meningitis			
27 Age-related hearing loss	43 STIs			
30 Hypertensive heart disease	53 Malaria			
35 Other musculoskeletal	59 Protein-energy malnutrition			

### Zambia, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Neonatal disorders	-20.7 (-38.3 to 1.45)	-56.8 (-63.9 to -47.6)	-35.9 (-44.9 to -23.9)
2 Neonatal disorders	2 Stroke	86.3 (49.6 to 127)	1.75 (-14.1 to 20.6)	-43.8 (-51.8 to -33)
3 Lower respiratory infect	3 Lower respiratory infect	-6.9 (-27.7 to 16.7)	-49.2 (-58.3 to -38.4)	-44 (-51.9 to -33.5)
4 Malaria	4 HIV/AIDS	-64.1 (-71.4 to -55.2)	-80.4 (-83.5 to -76.6)	-83.4 (-85.9 to -80.3)
5 COVID-19	5 Diabetes	212 (154 to 286)	70.5 (44.2 to 101)	-0.972 (-13.9 to 14.3)
6 Diarrheal diseases	6 Chronic kidney disease	212 (133 to 309)	70.6 (29.3 to 116)	16.8 (-8.82 to 51.1)
7 Congenital defects	7 Diarrheal diseases	-14.2 (-45.7 to 33.4)	-53.2 (-69.5 to -30.8)	-47.6 (-64.8 to -25.3)
8 Stroke	8 Cirrhosis liver	93.6 (56.6 to 133)	5.81 (-11.9 to 25.3)	-31.8 (-40.9 to -19.8)
9 Dietary iron deficiency	9 Depressive disorders	134 (97.7 to 169)	28 (19.9 to 36.5)	-2.37 (-2.64 to -2.09)
10 Road injuries	10 Ischemic heart disease	79.5 (23.6 to 154)	-1.91 (-30.5 to 35.1)	-45.9 (-61.6 to -23.4)
11 Cirrhosis liver	11 Idiopathic epilepsy	77.7 (25 to 149)	-3.02 (-29.9 to 36.4)	-7.6 (-32.5 to 29.5)
12 Ischemic heart disease	12 Hypertensive heart disease	244 (155 to 348)	87.7 (45.4 to 137)	-3.43 (-25.7 to 26.4)
13 Idiopathic epilepsy	13 Congenital defects	-17.7 (-37.8 to 6.53)	-55.2 (-62.6 to -48.5)	-35.1 (-43.8 to -25.8)
14 Meningitis	14 Low back pain	145 (107 to 180)	34 (24.8 to 44.1)	-5.01 (-5.26 to -4.73)
15 Diabetes	15 Road injuries	46.8 (-10 to 149)	-19.8 (-51.1 to 36)	-31 (-57 to 15.8)
16 Interpersonal violence	16 Other musculoskeletal	361 (284 to 429)	152 (132 to 173)	75.2 (72.2 to 78.5)
17 Tuberculosis	17 Dietary iron deficiency	39.8 (13.8 to 68.4)	-23.8 (-29 to -18.6)	-13.7 (-14.8 to -12.6)
18 Chronic kidney disease	18 Age-related hearing loss	169 (128 to 209)	47 (33.2 to 60.4)	-1.46 (-1.62 to -1.3)
19 Depressive disorders	19 Interpersonal violence	45.5 (14.7 to 74.6)	-20.6 (-34 to -8.95)	-31.2 (-41.7 to -21.9)
20 STIs	20 Headache disorders	120 (85.5 to 157)	20 (12.8 to 31.9)	0.984 (0.633 to 1.25)
21 Low back pain	30 Meningitis			
25 Headache disorders	33 Malaria			
27 Hypertensive heart disease	34 Tuberculosis			
28 Age-related hearing loss	47 STIs			
37 Other musculoskeletal	167 COVID-19			

### Botswana, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Diabetes	163 (117 to 218)	106 (74.7 to 141)	-3.5 (-15.5 to 10.9)
2 COVID-19	2 Neonatal disorders	-28.6 (-45 to -9.88)	-44 (-53.7 to -32.5)	-13.2 (-26.5 to 1.64)
3 Neonatal disorders	3 Lower respiratory infect	4.01 (-18.8 to 27.6)	-18.3 (-32.7 to -2.37)	-39 (-48.1 to -27.7)
4 Lower respiratory infect	4 Stroke	58.8 (26.8 to 91.9)	24.7 (5.24 to 45)	-44.9 (-52.2 to -35.9)
5 Diarrheal diseases	5 HIV/AIDS	-82 (-85.9 to -77.8)	-85.8 (-88.4 to -82.9)	-87.9 (-89.9 to -85.7)
6 Tuberculosis	6 Hypertensive heart disease	201 (125 to 277)	136 (81.1 to 204)	0.903 (-22 to 29.1)
7 Stroke	7 Ischemic heart disease	43.7 (-0.813 to 88.4)	12.9 (-19 to 53.9)	-48.2 (-62.3 to -28.9)
8 Diabetes	8 COPD	162 (101 to 217)	105 (64.4 to 149)	-9.6 (-25.2 to 9.18)
9 Road injuries	9 Depressive disorders	52.7 (32.9 to 74.4)	19.8 (11.6 to 28.3)	-2.65 (-2.88 to -2.45)
10 Ischemic heart disease	10 Low back pain	75.8 (53.5 to 99.7)	38 (27.2 to 47.6)	-5.32 (-5.53 to -5.14)
11 Depressive disorders	11 Chronic kidney disease	159 (96.6 to 227)	104 (59 to 155)	8.37 (-13.4 to 37.7)
12 Interpersonal violence	12 Other musculoskeletal	180 (138 to 221)	120 (102 to 138)	61.7 (58.3 to 64.3)
13 Low back pain	13 Road injuries	-5.98 (-43.8 to 53.2)	-26 (-54.4 to 27.3)	-27.3 (-57.4 to 29.9)
14 Congenital defects	14 Diarrheal diseases	-60.4 (-74.5 to -42.5)	-68.9 (-79.2 to -53.4)	-69 (-79 to -53.2)
15 Gynecological diseases	15 Headache disorders	36.3 (16.6 to 58.9)	6.96 (0.689 to 19.4)	0.316 (0.119 to 0.455)
16 Headache disorders	16 Tuberculosis	-47.3 (-62.7 to -25.8)	-58.5 (-71.3 to -41.2)	-69.7 (-79.3 to -56.2)
17 Self-harm	17 Lung cancer	146 (82.5 to 205)	92.8 (48.2 to 133)	-5.84 (-22.8 to 10.6)
18 COPD	18 Age-related hearing loss	106 (78.5 to 136)	61.6 (46.8 to 76.6)	-1.18 (-1.31 to -1.04)
19 Hypertensive heart disease	19 Blindness and vision loss	108 (79 to 142)	63.6 (45 to 79.4)	-6.01 (-6.74 to -5.24)
20 Cirrhosis liver	20 Cirrhosis liver	43 (19.2 to 65.3)	12.4 (-3.65 to 29.7)	-28.8 (-37.5 to -18.5)
22 Chronic kidney disease	22 Gynecological diseases			
25 Other musculoskeletal	25 Self-harm			
28 Age-related hearing loss	27 Interpersonal violence			
29 Blindness and vision loss	36 Congenital defects			
31 Lung cancer	161 COVID-19			

### Eswatini, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 HIV/AIDS	-71.9 (-77.4 to -65.3)	-75.4 (-78.5 to -70.9)	-78 (-80.7 to -74.3)
2 COVID-19	2 Diabetes	81.3 (41.6 to 128)	59.2 (30.9 to 98.5)	-17.7 (-29.4 to -2.18)
3 Neonatal disorders	3 Lower respiratory infect	-24.9 (-38.3 to -8.19)	-34 (-44.3 to -20.9)	-41 (-49.7 to -31.8)
4 Lower respiratory infect	4 Neonatal disorders	-32.4 (-48.5 to -13.1)	-40.7 (-51.9 to -27.1)	-8.9 (-23.6 to 9.05)
5 Road injuries	5 Road injuries	-9.67 (-45.2 to 53.4)	-20.5 (-52.7 to 35.2)	-27.3 (-57.1 to 24)
6 Tuberculosis	6 Stroke	19.6 (-3.48 to 46.2)	5.06 (-12.2 to 25.5)	-45.2 (-53 to -35.7)
7 Diarrheal diseases	7 Chronic kidney disease	120 (73.6 to 183)	93.8 (52.8 to 147)	19.5 (-4.87 to 50.6)
8 Diabetes	8 Ischemic heart disease	20.2 (-12.7 to 65.7)	5.74 (-24.5 to 45.1)	-44.5 (-60 to -22.8)
9 Stroke	9 Hypertensive heart disease	124 (69.3 to 189)	97.2 (52.4 to 155)	-1.5 (-23.9 to 24.7)
10 Interpersonal violence	10 Tuberculosis	-52.6 (-66.6 to -33.3)	-58.3 (-71.1 to -43.4)	-68.6 (-77.9 to -55.4)
11 Ischemic heart disease	11 Self-harm	6.36 (-16.1 to 30.8)	-6.64 (-23.2 to 11.4)	-18.1 (-32.8 to -1.01)
12 Self-harm	12 Diarrheal diseases	-57.6 (-70.4 to -38.7)	-62.7 (-75.4 to -46.4)	-58.6 (-71.1 to -39.8)
13 Chronic kidney disease	13 COPD	67.7 (32.9 to 102)	47.4 (18.9 to 79.2)	-23 (-37 to -5.84)
14 Congenital defects	14 Depressive disorders	39.4 (17.3 to 63.1)	22.3 (15.7 to 30.8)	-2.64 (-2.87 to -2.4)
15 Cirrhosis liver	15 Interpersonal violence	-25.6 (-40.7 to -7.88)	-34.8 (-43.3 to -25.3)	-35 (-42.6 to -25.6)
16 Depressive disorders	16 Cirrhosis liver	21.5 (1.94 to 48)	6.71 (-7.93 to 22.9)	-30.4 (-38.1 to -21.4)
17 Hypertensive heart disease	17 Other musculoskeletal	153 (116 to 206)	122 (102 to 142)	59.7 (54.1 to 64)
18 COPD	18 Liver cancer	92.6 (46.9 to 153)	69.3 (31.6 to 121)	3.66 (-17.4 to 32)
19 Asthma	19 Low back pain	56 (33.4 to 78.6)	36.9 (26.9 to 47.2)	-5.36 (-5.68 to -5.02)
20 Headache disorders	20 Headache disorders	28.4 (7.96 to 50)	12.7 (6.51 to 25.7)	0.352 (0.105 to 0.587)
22 Low back pain	28 Congenital defects			
29 Liver cancer	32 Asthma			
35 Other musculoskeletal	162 COVID-19			

### Lesotho, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Lower respiratory infect	-18.1 (-31.1 to -1.54)	-30.8 (-42.3 to -16)	-36 (-44.6 to -24.2)
2 Tuberculosis	2 Tuberculosis	-43.1 (-59.6 to -20.5)	-51.9 (-66.4 to -33)	-63.8 (-74.3 to -50.3)
3 Neonatal disorders	3 Neonatal disorders	-41.6 (-55.4 to -25.9)	-50.9 (-60.6 to -39.3)	-28.3 (-40.2 to -14.1)
4 Lower respiratory infect	4 Diarrheal diseases	-37.5 (-57.7 to -10.9)	-47.2 (-64.9 to -23.6)	-43.1 (-60.6 to -18.4)
5 Diarrheal diseases	5 Stroke	10.4 (-11.5 to 30.2)	-6.78 (-24.2 to 9.82)	-37 (-46.2 to -26.4)
6 Road injuries	6 Road injuries	-1.28 (-38 to 61.7)	-16.5 (-50 to 40.1)	-25.4 (-55.3 to 23.8)
7 Stroke	7 Diabetes	64.1 (32 to 102)	38.5 (11.5 to 66.8)	-6.81 (-21 to 11)
8 Interpersonal violence	8 HIV/AIDS	-88.5 (-91.1 to -85.6)	-90.3 (-92.3 to -88.5)	-90.7 (-92.4 to -89.1)
9 COVID-19	9 Interpersonal violence	-23.1 (-36.5 to -2.72)	-35.2 (-42.6 to -26.4)	-36.4 (-43.2 to -27.1)
10 Diabetes	10 Hypertensive heart disease	89.3 (43.4 to 143)	60 (20.6 to 108)	1.17 (-21.8 to 28.9)
11 Ischemic heart disease	11 Chronic kidney disease	104 (59.4 to 158)	72.2 (30.8 to 117)	25.4 (-1.68 to 58.7)
12 Self-harm	12 COPD	53.4 (21.6 to 88.3)	29.5 (2.8 to 58.5)	-10.1 (-25.6 to 10.5)
13 Depressive disorders	13 Ischemic heart disease	24 (-11.4 to 68.2)	4.83 (-27.1 to 44.8)	-31.6 (-50.5 to -5.37)
14 COPD	14 Depressive disorders	40.9 (22.5 to 62.7)	18.7 (10.7 to 27.2)	-2.36 (-2.64 to -2.06)
15 Congenital defects	15 Self-harm	10.3 (-8.85 to 32.9)	-6.95 (-22 to 9.07)	-20.7 (-31.9 to -7.85)
16 Cirrhosis liver	16 Cirrhosis liver	22.1 (3.38 to 41.5)	3.01 (-12.8 to 17.6)	-29.4 (-37.2 to -21)
17 Hypertensive heart disease	17 Low back pain	51 (32 to 73)	27.3 (15.4 to 37.6)	-4.64 (-4.91 to -4.39)
18 Chronic kidney disease	18 Lung cancer	95.5 (47.6 to 150)	64.6 (27.4 to 103)	5.56 (-13.5 to 25.2)
19 Protein-energy malnutrition	19 Cervical cancer	34.8 (12.6 to 55.1)	13.8 (-4.92 to 32.9)	-26.2 (-35 to -16.4)
20 Low back pain	20 Other musculoskeletal	137 (103 to 175)	99.5 (81.3 to 119)	51.2 (46.6 to 54.5)
21 Cervical cancer	24 Congenital defects			
30 Lung cancer	50 Protein-energy malnutrition			
38 Other musculoskeletal	160 COVID-19			

### Namibia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Lower respiratory infect	15.4 (-7.69 to 41.9)	-17.6 (-29.3 to -4.46)	-33.9 (-42.2 to -24.4)
2 COVID-19	2 Neonatal disorders	-18 (-36.6 to 2.41)	-41.5 (-51.6 to -29.6)	-16.7 (-29.6 to -0.0988)
3 Neonatal disorders	3 Stroke	45.2 (18.9 to 77.5)	3.76 (-11 to 22.4)	-43.6 (-50.2 to -34.9)
4 Lower respiratory infect	4 Diabetes	110 (70.2 to 156)	50 (26.4 to 84.1)	-15.7 (-26.9 to -2.08)
5 Diarrheal diseases	5 Road injuries	22.9 (-25.3 to 99.3)	-12.2 (-44.3 to 36.9)	-19.6 (-50.3 to 26.7)
6 Stroke	6 Hypertensive heart disease	200 (129 to 284)	114 (69.5 to 171)	12.4 (-13 to 43)
7 Tuberculosis	7 Ischemic heart disease	27.5 (-8.34 to 74.2)	-8.95 (-30.8 to 21.3)	-49 (-61.8 to -30)
8 Road injuries	8 Diarrheal diseases	-37.6 (-58.7 to -8.02)	-55.5 (-70 to -30)	-53.6 (-69.5 to -31)
9 Ischemic heart disease	9 COPD	101 (61.6 to 150)	43.9 (18.4 to 69.9)	-21 (-34.2 to -5.74)
10 Diabetes	10 Cirrhosis liver	91.4 (56.2 to 129)	36.7 (16.9 to 58.2)	-8.35 (-19.2 to 5.22)
11 Interpersonal violence	11 Low back pain	83.2 (54.8 to 109)	30.8 (21.8 to 39.3)	-4.51 (-4.68 to -4.3)
12 COPD	12 Interpersonal violence	-1.11 (-19.2 to 22.2)	-29.4 (-39.2 to -18.7)	-30 (-39 to -19.5)
13 Congenital defects	13 Tuberculosis	-36.6 (-56.1 to -11.7)	-54.7 (-66.7 to -36.4)	-65.8 (-75.1 to -51.5)
14 Cirrhosis liver	14 Depressive disorders	66.3 (42 to 90.6)	18.7 (12.7 to 25)	-2.14 (-2.31 to -1.96)
15 Self-harm	15 Other musculoskeletal	186 (143 to 228)	104 (89 to 120)	53.2 (50.2 to 55.5)
16 Low back pain	16 Self-harm	48.2 (17.3 to 82.6)	5.79 (-9 to 25.5)	-7.08 (-19.3 to 12.3)
17 Depressive disorders	17 Chronic kidney disease	143 (85.8 to 207)	73.3 (40.9 to 117)	8.06 (-12.6 to 35.2)
18 Hypertensive heart disease	18 HIV/AIDS	-86 (-89.8 to -80.2)	-90 (-92.3 to -86.2)	-91.2 (-92.9 to -88.4)
19 Headache disorders	19 Breast cancer	120 (70.2 to 175)	57.2 (25.9 to 95)	-0.154 (-16.2 to 17.8)
20 Gynecological diseases	20 Headache disorders	54.3 (31.3 to 78.6)	10.2 (5.05 to 20.6)	0.259 (0.0757 to 0.417)
23 Breast cancer	21 Gynecological diseases			
24 Chronic kidney disease	26 Congenital defects			
27 Other musculoskeletal	162 COVID-19			

### South Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 HIV/AIDS	-66 (-71 to -59.9)	-70.5 (-74.3 to -67.1)	-73.1 (-75.9 to -70)
2 Neonatal disorders	2 Diabetes	76.7 (54.3 to 105)	53 (38.3 to 70.6)	-11.7 (-21 to -1.42)
3 COVID-19	3 Neonatal disorders	-12.1 (-27.9 to 7.08)	-23.9 (-35.1 to -11.7)	6.65 (-9.32 to 22.6)
4 Lower respiratory infect	4 Lower respiratory infect	-4.27 (-19.1 to 10.7)	-17.1 (-25.5 to -8.16)	-36.4 (-42.5 to -29.6)
5 Road injuries	5 Road injuries	-6.63 (-35.9 to 39.4)	-19.1 (-43.5 to 21.6)	-17.8 (-43.5 to 26.4)
6 Interpersonal violence	6 Stroke	16.4 (-0.281 to 33.5)	0.834 (-9.89 to 12.2)	-44 (-49.3 to -38.3)
7 Diabetes	7 Interpersonal violence	-30.1 (-41.9 to -18.5)	-39.5 (-45.4 to -32.7)	-35.9 (-43 to -27.8)
8 Stroke	8 Hypertensive heart disease	133 (88.9 to 180)	102 (71.2 to 145)	9.46 (-9.77 to 30.9)
9 Tuberculosis	9 Ischemic heart disease	5.61 (-18.1 to 32.5)	-8.45 (-27.3 to 15.4)	-47.8 (-59.3 to -32.3)
10 Diarrheal diseases	10 Chronic kidney disease	99 (64.1 to 140)	72.4 (44.1 to 103)	8.9 (-8.7 to 31.2)
11 Ischemic heart disease	11 COPD	82.9 (55.4 to 115)	58.4 (40.9 to 80.2)	-12.7 (-23.4 to 0.095)
12 Self-harm	12 Diarrheal diseases	-21.9 (-43.6 to 5.89)	-32.3 (-49.6 to -9.89)	-39.5 (-56.9 to -15.8)
13 Depressive disorders	13 Depressive disorders	31.7 (15.9 to 47.7)	14 (10 to 19)	-1.84 (-2.01 to -1.67)
14 COPD	14 Low back pain	49.3 (30.6 to 68.3)	29.3 (23.6 to 35.8)	-3.69 (-3.87 to -3.54)
15 Low back pain	15 Tuberculosis	-47.1 (-60.1 to -30.6)	-54.2 (-64.8 to -39.9)	-63.4 (-72.2 to -51.2)
16 Hypertensive heart disease	16 Other musculoskeletal	98.6 (71.4 to 125)	71.9 (62 to 82.4)	33.3 (30.7 to 35.4)
17 Chronic kidney disease	17 Self-harm	-3.47 (-19.6 to 13.9)	-16.4 (-26.9 to -2.05)	-15.4 (-27 to 0.755)
18 Dietary iron deficiency	18 Blindness and vision loss	61.2 (38.7 to 83.4)	39.5 (28.9 to 51.5)	-3.57 (-4.03 to -3.12)
19 Headache disorders	19 Endo/metab/blood/immune	52.9 (32.1 to 76.5)	32.4 (20.7 to 44)	6.04 (-3.22 to 13.8)
20 Gynecological diseases	20 Lung cancer	55 (24.9 to 84.4)	34.2 (12.9 to 54.4)	-19.6 (-30.8 to -7.82)
22 Endo/metab/blood/immune	21 Headache disorders			
24 Lung cancer	25 Gynecological diseases			
25 Blindness and vision loss	29 Dietary iron deficiency			
27 Other musculoskeletal	162 COVID-19			



### Zimbabwe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Lower respiratory infect	-12.7 (-27.4 to 5.97)	<b>-38.1 (-47.3 to -23.5)</b>	<b>-33.9 (-43.1 to -20.5)</b>
2 Neonatal disorders	2 Neonatal disorders	<b>-45.3 (-59.2 to -26.6)</b>	<b>-61.3 (-68.3 to -49.9)</b>	<b>-46.8 (-56.1 to -33.7)</b>
3 Lower respiratory infect	3 Stroke	<b>44.7 (12 to 79.3)</b>	2.7 (-16.8 to 26.3)	<b>-33.5 (-46.1 to -15.5)</b>
4 COVID-19	4 Diarrheal diseases	-2.05 (-41.7 to 48.1)	-30.6 (-54.6 to 5.56)	-22.6 (-45.6 to 11)
5 Tuberculosis	5 Diabetes	<b>116 (71.8 to 166)</b>	<b>53.5 (26.6 to 88)</b>	-1.46 (-17.2 to 20.1)
6 Diarrheal diseases	6 Tuberculosis	<b>-39.6 (-61.4 to -12.2)</b>	<b>-57.1 (-71.2 to -34.8)</b>	<b>-63.8 (-75.1 to -45.5)</b>
7 Malaria	7 Ischemic heart disease	<b>66.9 (13 to 140)</b>	18.6 (-17.5 to 72.8)	-24.1 (-48.4 to 10.7)
8 Stroke	8 Chronic kidney disease	<b>147 (82.4 to 224)</b>	<b>75.3 (35.4 to 128)</b>	29.3 (-0.314 to 72.3)
9 Protein-energy malnutrition	9 Road injuries	13.4 (-37.2 to 101)	-19.5 (-54 to 46.5)	-27.3 (-56.5 to 28.7)
10 Road injuries	10 Self-harm	29.2 (-1.42 to 65.4)	-8.36 (-25.2 to 15.1)	<b>-20.1 (-34.2 to -0.948)</b>
11 Ischemic heart disease	11 HIV/AIDS	<b>-82.3 (-85.9 to -78.1)</b>	<b>-87.4 (-89.5 to -85)</b>	<b>-88.3 (-90.3 to -86)</b>
12 Congenital defects	12 Low back pain	<b>74.9 (48 to 101)</b>	<b>24 (15.3 to 32.2)</b>	<b>-4.47 (-4.66 to -4.3)</b>
13 Self-harm	13 Hypertensive heart disease	<b>137 (77.4 to 203)</b>	<b>68.4 (30.8 to 121)</b>	3.6 (-20.5 to 35)
14 Diabetes	14 Congenital defects	<b>-22.2 (-38.7 to -5.04)</b>	<b>-44.9 (-51.2 to -36.4)</b>	<b>-27.5 (-34.6 to -17.9)</b>
15 Interpersonal violence	15 Headache disorders	<b>57.6 (32.8 to 82.3)</b>	<b>11.6 (6.46 to 19.7)</b>	0.0874 (-0.138 to 0.286)
16 Dietary iron deficiency	16 Depressive disorders	<b>68.1 (40.1 to 94.5)</b>	<b>19.1 (12.5 to 26.8)</b>	<b>-2.16 (-2.39 to -1.96)</b>
17 Cirrhosis liver	17 Protein-energy malnutrition	<b>-44.9 (-73.3 to -0.224)</b>	<b>-60.9 (-80.3 to -29.6)</b>	<b>-51.1 (-75 to -9.81)</b>
18 Meningitis	18 Other musculoskeletal	<b>176 (132 to 219)</b>	<b>95.4 (80.6 to 110)</b>	<b>51.1 (48.2 to 53.8)</b>
19 Low back pain	19 Cirrhosis liver	21.9 (-1.4 to 46.4)	-13.5 (-25.9 to 3.04)	<b>-36.1 (-44.4 to -25)</b>
20 Chronic kidney disease	20 Interpersonal violence	0.0189 (-20.7 to 25.7)	<b>-29.2 (-38.8 to -18.4)</b>	<b>-32.1 (-41.8 to -22.3)</b>
22 Headache disorders	21 Dietary iron deficiency			
25 Depressive disorders	34 Malaria			
27 Hypertensive heart disease	37 Meningitis			
36 Other musculoskeletal	164 COVID-19			

### Benin, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Malaria	50.2 (-79.7 to 705)	-26.8 (-90 to 297)	-13.1 (-87.3 to 345)
2 Malaria	2 Neonatal disorders	-17 (-37.8 to 5.94)	<b>-60.6 (-68.6 to -50.8)</b>	<b>-39 (-49.3 to -24.5)</b>
3 Lower respiratory infect	3 Lower respiratory infect	-18.1 (-39.7 to 7.99)	<b>-61.1 (-69.3 to -49.2)</b>	<b>-47.3 (-56.8 to -32.7)</b>
4 Congenital defects	4 Stroke	<b>76 (41.3 to 117)</b>	-16.2 (-31.8 to 0.966)	<b>-43.7 (-52.8 to -30.8)</b>
5 Diarrheal diseases	5 Diabetes	<b>232 (172 to 298)</b>	<b>58 (35.5 to 80.1)</b>	6.03 (-7.18 to 19.9)
6 Measles	6 Congenital defects	-11.5 (-29.8 to 10.8)	<b>-58 (-64 to -49.2)</b>	<b>-38.9 (-46.1 to -28.9)</b>
7 Hemoglobinopathies	7 Hemoglobinopathies	<b>31.8 (1.72 to 62.8)</b>	<b>-37.5 (-47.2 to -26.6)</b>	<b>-26.4 (-35 to -17.9)</b>
8 Stroke	8 Chronic kidney disease	<b>214 (141 to 329)</b>	<b>49.4 (15.5 to 97.2)</b>	24.5 (-1.67 to 63.4)
9 Road injuries	9 Diarrheal diseases	-19.2 (-49.4 to 23.6)	<b>-61.6 (-75.4 to -43.1)</b>	<b>-55.8 (-68.4 to -39.5)</b>
10 Meningitis	10 Other musculoskeletal	<b>560 (464 to 661)</b>	<b>214 (192 to 236)</b>	<b>139 (132 to 146)</b>
11 HIV/AIDS	11 Depressive disorders	<b>150 (118 to 185)</b>	<b>19.1 (13.3 to 25.7)</b>	<b>-4.15 (-4.8 to -3.36)</b>
12 Pertussis	12 Road injuries	39.1 (-22.8 to 145)	-33.8 (-62.6 to 13.7)	-35.1 (-60.9 to 8.29)
13 Diabetes	13 Headache disorders	<b>143 (110 to 180)</b>	<b>15.4 (10.9 to 24.4)</b>	<b>0.805 (0.184 to 1.29)</b>
14 Dietary iron deficiency	14 Low back pain	<b>149 (112 to 182)</b>	<b>18.2 (11 to 25)</b>	<b>-8.28 (-8.75 to -7.47)</b>
15 Ischemic heart disease	15 Ischemic heart disease	<b>75.4 (25.6 to 145)</b>	-16.5 (-39.8 to 13.4)	<b>-45.5 (-61 to -25.5)</b>
16 Depressive disorders	16 Dietary iron deficiency	<b>56.6 (30.8 to 83.6)</b>	<b>-25.6 (-28.8 to -21.9)</b>	<b>-24.1 (-25.1 to -23.1)</b>
17 Cirrhosis liver	17 Cirrhosis liver	<b>67.1 (36 to 105)</b>	<b>-20.5 (-34.1 to -2.29)</b>	<b>-38.7 (-47.3 to -25.5)</b>
18 iNTS	18 Anxiety disorders	<b>134 (103 to 173)</b>	<b>11.1 (6.4 to 16.4)</b>	<b>2.01 (1.45 to 2.65)</b>
19 Tuberculosis	19 Gynecological diseases	<b>89.7 (49.4 to 140)</b>	-9.73 (-24.6 to 11)	<b>-26.9 (-40.1 to -11.3)</b>
20 Maternal disorders	20 Interpersonal violence	<b>69.6 (32.5 to 112)</b>	<b>-19.4 (-32.5 to -3.88)</b>	<b>-23.8 (-34.7 to -9.38)</b>
21 Headache disorders	22 Meningitis			
22 Chronic kidney disease	24 iNTS			
23 Low back pain	29 Pertussis			
25 Interpersonal violence	33 Maternal disorders			
26 Gynecological diseases	35 Tuberculosis			
27 Anxiety disorders	48 HIV/AIDS			
39 Other musculoskeletal	89 Measles			

### Burkina Faso, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Malaria	1 Malaria	14.4 (-92.4 to 600)	-47.1 (-96.4 to 186)	-41.4 (-95.5 to 208)
2 Neonatal disorders	2 Neonatal disorders	-2.91 (-25.2 to 23.7)	<b>-56.5 (-65.5 to -45.8)</b>	<b>-37.5 (-48.2 to -24.6)</b>
3 Lower respiratory infect	3 Lower respiratory infect	-15.9 (-35.3 to 9.08)	<b>-62.3 (-70 to -52.9)</b>	<b>-44.6 (-54.3 to -33.2)</b>
4 Diarrheal diseases	4 Diarrheal diseases	-8.29 (-44.6 to 40.3)	<b>-58.9 (-74.1 to -37.7)</b>	<b>-43.6 (-62.6 to -18)</b>
5 Congenital defects	5 Congenital defects	-0.311 (-19.7 to 22.3)	<b>-55.4 (-61.5 to -47.2)</b>	<b>-39.1 (-46.9 to -29.2)</b>
6 Road injuries	6 Road injuries	44.4 (-17.5 to 146)	-35.2 (-63.2 to 13.8)	-36.4 (-61.3 to 7.23)
7 Hemoglobinopathies	7 Hemoglobinopathies	<b>41.8 (2.2 to 75)</b>	<b>-36.5 (-52.5 to -24)</b>	<b>-26.3 (-41.1 to -15.5)</b>
8 Meningitis	8 Stroke	<b>51.2 (22.8 to 80.8)</b>	<b>-32.2 (-45.1 to -18.2)</b>	<b>-43.5 (-53 to -31.7)</b>
9 iNTS	9 Dietary iron deficiency	<b>58 (38.1 to 80)</b>	<b>-29.3 (-32 to -26.6)</b>	<b>-22 (-23.5 to -20.8)</b>
10 Tuberculosis	10 Diabetes	<b>159 (117 to 204)</b>	16.1 (-0.76 to 35.2)	-6.04 (-19.2 to 9.32)
11 Stroke	11 iNTS	24.7 (-33.2 to 103)	<b>-44.1 (-68.9 to -10.8)</b>	-31.7 (-61.4 to 9.17)
12 Protein-energy malnutrition	12 Depressive disorders	<b>149 (127 to 173)</b>	<b>11.7 (6.72 to 17.5)</b>	<b>-3.98 (-4.53 to -3.33)</b>
13 Dietary iron deficiency	13 Other musculoskeletal	<b>507 (450 to 565)</b>	<b>172 (153 to 190)</b>	<b>127 (119 to 133)</b>
14 Ischemic heart disease	14 Chronic kidney disease	<b>123 (62.7 to 196)</b>	-0.0612 (-27.8 to 34.4)	-5.84 (-29.7 to 22)
15 Measles	15 Headache disorders	<b>149 (127 to 174)</b>	<b>11.5 (7.85 to 17)</b>	<b>0.707 (0.048 to 1.22)</b>
16 COVID-19	16 Low back pain	<b>143 (121 to 165)</b>	<b>9.16 (3.43 to 15.5)</b>	<b>-7.63 (-8.4 to -6.97)</b>
17 Interpersonal violence	17 Ischemic heart disease	<b>61.4 (8.19 to 124)</b>	-27.6 (-51 to 1.85)	<b>-42.8 (-60 to -20.1)</b>
18 Chronic kidney disease	18 Interpersonal violence	<b>80.1 (46.3 to 122)</b>	<b>-19.3 (-32.8 to -4.42)</b>	<b>-22.9 (-33.4 to -10.3)</b>
19 Typhoid & paratyph	19 Meningitis	-9.16 (-45 to 42.9)	<b>-59.3 (-75 to -35.2)</b>	<b>-49.9 (-67.1 to -25.9)</b>
20 Diabetes	20 Cirrhosis liver	<b>66 (35.9 to 102)</b>	<b>-25.6 (-39.1 to -11.1)</b>	<b>-36.2 (-46.2 to -25.1)</b>
21 Depressive disorders	22 Tuberculosis			
24 Headache disorders	25 Typhoid & paratyph			
25 Low back pain	36 Protein-energy malnutrition			
26 Cirrhosis liver	75 Measles			
45 Other musculoskeletal	166 COVID-19			

### Cabo Verde, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	161 (114 to 203)	143 (114 to 179)	24 (10.5 to 39.9)
2 Stroke	2 Ischemic heart disease	30.6 (-6.68 to 80.1)	21.8 (-9.97 to 69.6)	-44.5 (-60.9 to -22.7)
3 Neonatal disorders	3 Stroke	32.3 (6.83 to 60.4)	23.3 (3.05 to 51)	-41.3 (-50 to -28.4)
4 Lower respiratory infect	4 Lower respiratory infect	29.7 (4.02 to 53.6)	20.9 (3.61 to 47.3)	-35.5 (-43.5 to -25.1)
5 Diabetes	5 Depressive disorders	37.2 (16.7 to 58.2)	27.8 (17.9 to 39.5)	-3.27 (-3.63 to -2.9)
6 COVID-19	6 Chronic kidney disease	143 (86 to 210)	127 (81.3 to 185)	18.1 (-8.15 to 49.8)
7 Depressive disorders	7 Other musculoskeletal	194 (143 to 240)	174 (151 to 199)	93.1 (89.8 to 96.3)
8 Interpersonal violence	8 Low back pain	48.6 (28.7 to 69.3)	38.5 (28.2 to 49.7)	-6.57 (-6.87 to -6.3)
9 Low back pain	9 Lung cancer	142 (91.6 to 208)	126 (78.2 to 174)	4.77 (-13 to 23.8)
10 Self-harm	10 Prostate cancer	204 (129 to 301)	183 (117 to 260)	17.7 (-3.64 to 45.9)
11 Cirrhosis liver	11 Cirrhosis liver	16.3 (-5.97 to 41)	8.38 (-11.1 to 30.3)	-35.7 (-45.4 to -23.5)
12 Headache disorders	12 Hypertensive heart disease	116 (63 to 175)	101 (59 to 156)	-5.67 (-25.9 to 19.1)
13 Gynecological diseases	13 Age-related hearing loss	79 (50.4 to 105)	66.8 (52.2 to 83.7)	-1.68 (-1.92 to -1.48)
14 Chronic kidney disease	14 Headache disorders	16.2 (-3.27 to 38.7)	8.24 (-0.404 to 27.9)	1.04 (0.603 to 1.28)
15 Drowning	15 Self-harm	7.44 (-12.6 to 33)	0.0551 (-16.7 to 18.6)	-20.9 (-33.3 to -7.09)
16 Dietary iron deficiency	16 Esophageal cancer	108 (72.3 to 146)	93.9 (66.2 to 126)	-6.02 (-16.1 to 4.49)
17 HIV/AIDS	17 Neonatal disorders	-46.7 (-60.1 to -33.5)	-50.4 (-58.8 to -41.5)	-27.2 (-36.9 to -15.6)
18 Diarrheal diseases	18 Pancreatic cancer	275 (173 to 388)	250 (163 to 344)	64.4 (24.6 to 105)
19 Age-related hearing loss	19 Stomach cancer	49.3 (22.5 to 77.1)	39.1 (21.3 to 56.1)	-35 (-39.6 to -29.6)
20 Stomach cancer	20 COPD	101 (57.5 to 146)	87.3 (51.7 to 132)	-11.3 (-27.9 to 11)
22 Other musculoskeletal	21 Interpersonal violence			
25 Hypertensive heart disease	25 Gynecological diseases			
26 Esophageal cancer	35 Dietary iron deficiency			
27 Lung cancer	37 Drowning			
29 COPD	42 Diarrheal diseases			
36 Prostate cancer	45 HIV/AIDS			
43 Pancreatic cancer	158 COVID-19			

### Cameroon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-14.1 (-41.1 to 16.8)	<b>-50.4 (-60.4 to -38.2)</b>	<b>-22 (-34.8 to -7.29)</b>
2 Malaria	2 Lower respiratory infect	-12.3 (-35.2 to 16.4)	<b>-49.2 (-58.8 to -36.5)</b>	<b>-39.7 (-49.9 to -27.4)</b>
3 Lower respiratory infect	3 Malaria	-47.5 (-95 to 193)	-69.4 (-96.8 to 68.3)	-65.2 (-96.5 to 111)
4 HIV/AIDS	4 Stroke	<b>75.4 (32.4 to 123)</b>	1.71 (-17.2 to 22.6)	<b>-40.3 (-50 to -26.9)</b>
5 Diarrheal diseases	5 Diabetes	<b>232 (147 to 308)</b>	<b>92.3 (61.8 to 129)</b>	13.1 (-2.77 to 30.5)
6 Congenital defects	6 Chronic kidney disease	<b>225 (130 to 336)</b>	<b>88.4 (43 to 145)</b>	<b>35.4 (4.71 to 77.3)</b>
7 Stroke	7 Road injuries	38.1 (-21 to 131)	-20 (-50 to 39.5)	-26.3 (-52.4 to 27)
8 Road injuries	8 Ischemic heart disease	<b>89.7 (25 to 175)</b>	10 (-23.2 to 51.7)	<b>-39.2 (-57.6 to -11.6)</b>
9 Ischemic heart disease	9 Depressive disorders	<b>119 (81.8 to 163)</b>	<b>27 (18.9 to 36.1)</b>	<b>-2.9 (-3.27 to -2.51)</b>
10 Diabetes	10 Congenital defects	-24.8 (-45.8 to 1.12)	<b>-56.5 (-63.8 to -47.9)</b>	<b>-36 (-44 to -25.1)</b>
11 Pertussis	11 Diarrheal diseases	-25.4 (-58.6 to 14.3)	<b>-56.8 (-74.3 to -33.2)</b>	<b>-48.3 (-66.9 to -25.2)</b>
12 Meningitis	12 Low back pain	<b>125 (88.4 to 168)</b>	<b>30.6 (21.5 to 40.4)</b>	<b>-5.9 (-6.25 to -5.59)</b>
13 Chronic kidney disease	13 Other musculoskeletal	<b>351 (268 to 431)</b>	<b>161 (141 to 182)</b>	<b>86.6 (81.9 to 91.2)</b>
14 Tuberculosis	14 Headache disorders	<b>101 (62.4 to 145)</b>	<b>16.4 (10.2 to 29.4)</b>	<b>0.678 (0.351 to 0.995)</b>
15 Depressive disorders	15 Cirrhosis liver	<b>60.8 (23.2 to 98.8)</b>	-6.73 (-22.4 to 11.8)	<b>-35.7 (-44.7 to -24.1)</b>
16 Maternal disorders	16 Hypertensive heart disease	<b>196 (109 to 304)</b>	<b>71.7 (28.6 to 120)</b>	-5.35 (-28.1 to 21.4)
17 Cirrhosis liver	17 Gynecological diseases	<b>79.2 (36.2 to 129)</b>	3.92 (-14.3 to 22.4)	<b>-18.7 (-32.3 to -3.63)</b>
18 Low back pain	18 Anxiety disorders	<b>89.5 (54.5 to 129)</b>	<b>9.78 (3.11 to 18.6)</b>	<b>1.53 (1.27 to 1.82)</b>
19 Headache disorders	19 Age-related hearing loss	<b>146 (100 to 193)</b>	<b>42.6 (29.5 to 57.1)</b>	<b>-1.87 (-2.09 to -1.7)</b>
20 Measles	20 Dietary iron deficiency	<b>28.6 (2.36 to 57.1)</b>	<b>-25.6 (-30.4 to -20.9)</b>	<b>-19.1 (-19.7 to -18.3)</b>
21 Dietary iron deficiency	24 HIV/AIDS			
24 Gynecological diseases	29 Tuberculosis			
27 Anxiety disorders	31 Meningitis			
31 Hypertensive heart disease	34 Pertussis			
32 Age-related hearing loss	35 Maternal disorders			
34 Other musculoskeletal	117 Measles			

### Chad, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	14.8 (-11.4 to 51.7)	-59.6 (-67.7 to -49.6)	-44.6 (-55.3 to -30.6)
2 Diarrheal diseases	2 Diarrheal diseases	-16.2 (-50 to 33.1)	-70.5 (-80.9 to -52.9)	-58 (-71.6 to -36.3)
3 Lower respiratory infect	3 Lower respiratory infect	-19 (-39.1 to 6.98)	-71.5 (-77.7 to -63.8)	-55.7 (-63.5 to -46.2)
4 Malaria	4 Congenital defects	<b>34 (5.53 to 70.7)</b>	-52.9 (-60.4 to -44.3)	-38.5 (-47.7 to -28.2)
5 Congenital defects	5 Malaria	-26.8 (-89.8 to 62.3)	-72.7 (-96.3 to -41.1)	-69.2 (-95.2 to -23.4)
6 Tuberculosis	6 Stroke	<b>82.4 (44.5 to 129)</b>	-35.8 (-48.4 to -21)	-38.6 (-51.4 to -21.2)
7 Measles	7 Road injuries	69.7 (-8.81 to 209)	-40.3 (-68.7 to 8.27)	-40.2 (-66.3 to 3.08)
8 Meningitis	8 Dietary iron deficiency	<b>107 (77.8 to 134)</b>	-27.1 (-28.9 to -25.2)	-23.6 (-24.8 to -22.3)
9 Pertussis	9 Depressive disorders	<b>211 (165 to 252)</b>	<b>9.39 (6.02 to 12.8)</b>	-3.58 (-4.16 to -2.99)
10 Stroke	10 Pertussis	12.5 (-33.3 to 84.8)	-60.5 (-76.1 to -36.8)	-50.7 (-70.1 to -22.2)
11 Maternal disorders	11 Cirrhosis liver	<b>129 (82.6 to 194)</b>	-19.3 (-34.7 to -0.311)	-26.8 (-40 to -10.3)
12 Road injuries	12 Maternal disorders	17 (-28.5 to 81.3)	-58.9 (-73.7 to -35.3)	-64.5 (-76.8 to -45.8)
13 Dietary iron deficiency	13 Headache disorders	<b>219 (174 to 260)</b>	<b>12.2 (9.57 to 15.8)</b>	<b>1.19 (0.728 to 1.57)</b>
14 Protein-energy malnutrition	14 Diabetes	<b>193 (138 to 257)</b>	3.21 (-12.6 to 22)	-7.79 (-21.6 to 8.89)
15 HIV/AIDS	15 Low back pain	<b>198 (155 to 235)</b>	<b>4.89 (1.48 to 8.06)</b>	-7.57 (-8.11 to -7.1)
16 Cirrhosis liver	16 Other musculoskeletal	<b>728 (611 to 843)</b>	<b>191 (175 to 206)</b>	<b>149 (139 to 156)</b>
17 Drowning	17 Ischemic heart disease	<b>97 (27.6 to 195)</b>	-30.7 (-55.1 to 5.26)	-38.2 (-61 to -5.81)
18 Ischemic heart disease	18 Interpersonal violence	<b>136 (85 to 202)</b>	-16.9 (-29.7 to 2.62)	-19.8 (-31.9 to -3.43)
19 Depressive disorders	19 Meningitis	-25.2 (-54.2 to 25.8)	-73.7 (-84.1 to -57.5)	-65 (-77.7 to -46.6)
20 iNTS	20 Tuberculosis	-36.3 (-62.9 to 7.88)	-77.6 (-86.7 to -62.3)	-74.8 (-84.4 to -60.4)
21 Interpersonal violence	28 Drowning			
23 Diabetes	31 iNTS			
24 Low back pain	35 Protein-energy malnutrition			
25 Headache disorders	41 HIV/AIDS			
59 Other musculoskeletal	71 Measles			

### Côte d'Ivoire, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-42.2 (-56.8 to -25.9)	-66.3 (-72.8 to -57.8)	-45.9 (-55.1 to -33.7)
2 Malaria	2 Malaria	-46 (-95.3 to 172)	-67.7 (-97.2 to 64.6)	-61.3 (-96.7 to 111)
3 Lower respiratory infect	3 Lower respiratory infect	-25.9 (-41.6 to -4.79)	-56.6 (-65.9 to -44.6)	-47.5 (-56.8 to -34.5)
4 HIV/AIDS	4 Diabetes	231 (170 to 297)	93.6 (66.5 to 124)	10.7 (-4.03 to 26.2)
5 Congenital defects	5 Stroke	53.8 (22.1 to 92.4)	-10 (-27 to 11.3)	-49 (-58.1 to -36.7)
6 Diarrheal diseases	6 Ischemic heart disease	65 (9.12 to 132)	-3.42 (-32 to 37.7)	-49.3 (-64.5 to -25.6)
7 Stroke	7 Chronic kidney disease	168 (95.3 to 254)	56.7 (21.3 to 107)	7.19 (-18.3 to 43.6)
8 Ischemic heart disease	8 Other musculoskeletal	412 (342 to 476)	200 (178 to 220)	123 (118 to 128)
9 Road injuries	9 Congenital defects	-27.9 (-44.3 to -11.9)	-57.9 (-64.4 to -48.7)	-37 (-44.9 to -26.3)
10 COVID-19	10 Low back pain	114 (87.7 to 140)	25.3 (17.4 to 33.2)	-7 (-7.4 to -6.6)
11 Tuberculosis	11 Depressive disorders	112 (84.6 to 140)	24.2 (17.4 to 31.4)	-2.95 (-3.45 to -2.4)
12 Dietary iron deficiency	12 Diarrheal diseases	-28.6 (-56.7 to 7.4)	-58.2 (-73.3 to -37.9)	-51.1 (-66.8 to -30.2)
13 Diabetes	13 Headache disorders	96 (67.1 to 121)	14.5 (9.43 to 23.1)	1.57 (1.04 to 1.97)
14 iNTS	14 Road injuries	20.3 (-31.6 to 107)	-29.5 (-57.4 to 26.9)	-36.2 (-60.6 to 12.1)
15 Meningitis	15 Cirrhosis liver	47.2 (16.7 to 78.8)	-13.9 (-27.6 to 3.54)	-39.4 (-48.7 to -26.6)
16 Cirrhosis liver	16 Dietary iron deficiency	22.9 (2.36 to 40.3)	-28.2 (-31.2 to -25)	-21 (-22 to -20)
17 Low back pain	17 Hypertensive heart disease	172 (101 to 261)	59.3 (23.2 to 113)	-15.7 (-36.4 to 13.7)
18 Maternal disorders	18 Interpersonal violence	41.2 (12.2 to 74.8)	-17.5 (-32.6 to 1.11)	-27 (-39.1 to -12.9)
19 Headache disorders	19 Age-related hearing loss	145 (113 to 185)	43.5 (31.3 to 55)	-2.41 (-2.63 to -2.18)
20 Interpersonal violence	20 Anxiety disorders	89.3 (64.5 to 114)	10.6 (5.45 to 16.1)	2.32 (1.98 to 2.67)
21 Depressive disorders	29 Tuberculosis			
22 Chronic kidney disease	33 iNTS			
26 Anxiety disorders	35 Maternal disorders			
30 Hypertensive heart disease	36 Meningitis			
33 Age-related hearing loss	42 HIV/AIDS			
37 Other musculoskeletal	169 COVID-19			

### The Gambia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-42.3 (-55.3 to -25)	-62.1 (-69 to -55.2)	-36.7 (-46.6 to -25.3)
2 HIV/AIDS	2 Lower respiratory infect	-12.4 (-29.6 to 8.52)	-42.4 (-51.2 to -30.1)	-45.8 (-53.7 to -36.2)
3 Lower respiratory infect	3 HIV/AIDS	-13.5 (-41.8 to 44.9)	-43 (-62.7 to 1.23)	-55 (-70 to -20.5)
4 Stroke	4 Stroke	35.7 (8.75 to 65.8)	-10.7 (-25.3 to 8.19)	-48.9 (-57.5 to -37.1)
5 Diarrheal diseases	5 Diabetes	158 (107 to 212)	69.6 (40.5 to 98.3)	-3.17 (-16.8 to 13.5)
6 Congenital defects	6 Ischemic heart disease	43 (1.52 to 88.6)	-5.86 (-32.9 to 31.7)	-48.3 (-63.8 to -26.5)
7 Ischemic heart disease	7 Depressive disorders	96.4 (67.7 to 125)	29.2 (20.9 to 37.6)	-3.08 (-3.7 to -2.41)
8 Dietary iron deficiency	8 Chronic kidney disease	150 (88.2 to 228)	64.7 (26.2 to 113)	13.7 (-13.1 to 48)
9 Tuberculosis	9 Liver cancer	131 (67.8 to 210)	51.9 (14.4 to 100)	-7.25 (-29.5 to 21.9)
10 Malaria	10 Other musculoskeletal	364 (301 to 427)	205 (185 to 228)	113 (107 to 118)
11 Road injuries	11 Dietary iron deficiency	11.5 (-5.31 to 31.1)	-26.7 (-30 to -22.8)	-18.8 (-19.7 to -17.7)
12 Maternal disorders	12 Low back pain	102 (75.7 to 127)	32.7 (23.4 to 40.5)	-6.95 (-7.25 to -6.68)
13 Depressive disorders	13 Headache disorders	78.5 (51.2 to 106)	17.4 (10.6 to 30.6)	0.875 (0.573 to 1.14)
14 COVID-19	14 Road injuries	9.36 (-32.3 to 71.2)	-28.1 (-54.4 to 19.4)	-38.4 (-60 to 0.178)
15 Diabetes	15 Hypertensive heart disease	142 (80.7 to 204)	59 (20.3 to 103)	-14.2 (-35.2 to 11.5)
16 Hemoglobinopathies	16 Congenital defects	-32.6 (-45.9 to -16.2)	-55.7 (-61.6 to -48.7)	-33 (-40.3 to -23)
17 Meningitis	17 Cirrhosis liver	44.3 (17.7 to 80.4)	-4.99 (-20.9 to 14.9)	-37.8 (-47.8 to -25.3)
18 Chronic kidney disease	18 Diarrheal diseases	-46 (-64.8 to -20.5)	-64.5 (-76.3 to -46.4)	-59.8 (-72.4 to -41.2)
19 Liver cancer	19 Gynecological diseases	54.8 (22.8 to 93.3)	1.87 (-15.5 to 23)	-20.7 (-34.3 to -5.8)
20 Headache disorders	20 Hemoglobinopathies	0.895 (-16.7 to 20.4)	-33.7 (-41.6 to -27.8)	-26.3 (-34 to -20.6)
21 Cirrhosis liver	23 Tuberculosis			
22 Low back pain	31 Maternal disorders			
23 Gynecological diseases	33 Meningitis			
24 Hypertensive heart disease	47 Malaria			
38 Other musculoskeletal	165 COVID-19			



### Ghana, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Malaria	0.719 (-93.1 to 533)	-34.6 (-95.7 to 300)	-20.5 (-94.9 to 454)
2 Malaria	2 Neonatal disorders	<b>-33 (-49.8 to -14.1)</b>	<b>-56.6 (-64.6 to -46.9)</b>	<b>-32.1 (-42.8 to -18.6)</b>
3 HIV/AIDS	3 Lower respiratory infect	<b>51.4 (18.5 to 89.3)</b>	-1.46 (-20.9 to 21.8)	-15 (-29.5 to 1.5)
4 Lower respiratory infect	4 Stroke	<b>50.7 (21.6 to 85.3)</b>	-1.91 (-21.4 to 21.2)	<b>-44.4 (-54.7 to -32)</b>
5 Stroke	5 Diabetes	<b>188 (133 to 245)</b>	<b>87.1 (54 to 119)</b>	9.03 (-7.01 to 27.7)
6 Congenital defects	6 Chronic kidney disease	<b>163 (93.2 to 250)</b>	<b>71.1 (27.5 to 124)</b>	16.1 (-12.7 to 52.2)
7 Road injuries	7 Ischemic heart disease	<b>55.1 (4.57 to 121)</b>	1.02 (-30.5 to 44.6)	<b>-44.5 (-61.9 to -20.5)</b>
8 Ischemic heart disease	8 Road injuries	22 (-31 to 126)	-20.7 (-54.1 to 42)	-25.1 (-56.4 to 31.7)
9 Diarrheal diseases	9 Diarrheal diseases	34.1 (-11.1 to 95.6)	-12.8 (-40 to 25.9)	-18.1 (-43.9 to 18.1)
10 Tuberculosis	10 Depressive disorders	<b>91.7 (64.7 to 121)</b>	<b>24.6 (15.6 to 34.5)</b>	<b>-3.04 (-3.42 to -2.65)</b>
11 Diabetes	11 Other musculoskeletal	<b>262 (211 to 316)</b>	<b>135 (117 to 157)</b>	<b>70.6 (67 to 73.6)</b>
12 Hemoglobinopathies	12 Low back pain	<b>99.8 (73.9 to 129)</b>	<b>29.9 (19.4 to 40.5)</b>	<b>-5.48 (-5.66 to -5.29)</b>
13 COVID-19	13 Hypertensive heart disease	<b>185 (117 to 274)</b>	<b>85.5 (37.7 to 146)</b>	1.76 (-23.6 to 37.2)
14 Chronic kidney disease	14 Headache disorders	<b>74.2 (44.7 to 99.7)</b>	<b>13.2 (7.38 to 28.4)</b>	0.0462 (-0.237 to 0.324)
15 Dietary iron deficiency	15 Cirrhosis liver	<b>57.1 (28.1 to 94.9)</b>	2.24 (-16.2 to 24.2)	<b>-32.2 (-42 to -18.5)</b>
16 Depressive disorders	16 Hemoglobinopathies	5.74 (-14.9 to 28.1)	<b>-31.4 (-39.4 to -24.1)</b>	<b>-24 (-30.8 to -17.4)</b>
17 Cirrhosis liver	17 Tuberculosis	-4.56 (-36.2 to 42.2)	<b>-37.9 (-57.1 to -10.5)</b>	<b>-57.3 (-71.2 to -38.2)</b>
18 Meningitis	18 Congenital defects	<b>-26.2 (-42.4 to -6.52)</b>	<b>-52.2 (-58.6 to -44.1)</b>	<b>-31 (-38.1 to -21.8)</b>
19 Headache disorders	19 Dietary iron deficiency	19.9 (-2.63 to 43)	<b>-22.3 (-28.4 to -17.3)</b>	<b>-15.5 (-16.4 to -14.2)</b>
20 Low back pain	20 Gynecological diseases	<b>52 (20.4 to 87.9)</b>	-1.07 (-19.7 to 21.7)	<b>-18.9 (-33.7 to -2.94)</b>
21 Gynecological diseases	21 HIV/AIDS			
22 Hypertensive heart disease	24 Meningitis			
25 Other musculoskeletal	165 COVID-19			

### Guinea, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Malaria	1 Malaria	15.4 (-88.5 to 614)	-37 (-94.4 to 287)	-14.2 (-92 to 423)
2 Neonatal disorders	2 Neonatal disorders	<b>-31.8 (-46.9 to -13.5)</b>	<b>-64.6 (-71.5 to -56.4)</b>	<b>-46.1 (-55.2 to -33)</b>
3 Lower respiratory infect	3 Lower respiratory infect	<b>-23.7 (-41.5 to -3.57)</b>	<b>-60.4 (-69 to -50.1)</b>	<b>-47.4 (-56.8 to -35.9)</b>
4 Congenital defects	4 Stroke	<b>44.8 (13.8 to 74.9)</b>	<b>-24.7 (-37.8 to -8.16)</b>	<b>-44.2 (-53.5 to -30)</b>
5 Diarrheal diseases	5 Congenital defects	-17.8 (-33.2 to 3.01)	<b>-57.3 (-62.8 to -50.4)</b>	<b>-38.7 (-45.9 to -29.4)</b>
6 Stroke	6 Diabetes	<b>167 (112 to 219)</b>	<b>38.6 (16.4 to 63.6)</b>	-0.878 (-14.6 to 15.9)
7 Pertussis	7 Diarrheal diseases	-13.9 (-44.4 to 23.5)	<b>-55.3 (-71.1 to -35.9)</b>	<b>-52.2 (-66.2 to -33.3)</b>
8 Meningitis	8 Other musculoskeletal	<b>513 (433 to 591)</b>	<b>218 (198 to 240)</b>	<b>145 (137 to 152)</b>
9 HIV/AIDS	9 Ischemic heart disease	<b>51.9 (2.68 to 110)</b>	-21 (-45.4 to 13.9)	<b>-44.8 (-62.3 to -19.6)</b>
10 COVID-19	10 Depressive disorders	<b>127 (100 to 156)</b>	<b>18 (12.1 to 25.2)</b>	<b>-4.18 (-5 to -3.41)</b>
11 iNTS	11 Pertussis	-11.4 (-50.6 to 42.6)	<b>-54.1 (-73 to -28.5)</b>	-34.3 (-60.8 to 1.88)
12 Road injuries	12 Low back pain	<b>125 (96.7 to 155)</b>	<b>17 (11 to 24.6)</b>	<b>-8.2 (-8.68 to -7.7)</b>
13 Ischemic heart disease	13 Headache disorders	<b>122 (93.3 to 154)</b>	<b>15.3 (10.8 to 24.4)</b>	<b>0.579 (0.0693 to 1.25)</b>
14 Tuberculosis	14 Chronic kidney disease	<b>145 (81.5 to 223)</b>	27.5 (-3.42 to 67.5)	8.04 (-18.2 to 42)
15 Maternal disorders	15 Hemoglobinopathies	<b>29.7 (3.8 to 58.3)</b>	<b>-32.7 (-43.1 to -23)</b>	<b>-23.1 (-33.2 to -13.9)</b>
16 Measles	16 Road injuries	9.02 (-36.6 to 87.2)	<b>-43.3 (-67.5 to -3.23)</b>	<b>-45.1 (-67.4 to -9.06)</b>
17 Hemoglobinopathies	17 iNTS	-5.85 (-53.7 to 59.7)	<b>-51.1 (-74.5 to -15.6)</b>	-36.4 (-64.6 to 9.81)
18 Protein-energy malnutrition	18 Cirrhosis liver	<b>47.8 (18.9 to 82.5)</b>	<b>-23.2 (-36.5 to -5.59)</b>	<b>-40.6 (-51 to -27.8)</b>
19 Dietary iron deficiency	19 Dietary iron deficiency	<b>32 (12.5 to 52.2)</b>	<b>-31.5 (-34.2 to -28.5)</b>	<b>-25.3 (-26.4 to -24.1)</b>
20 Cirrhosis liver	20 Meningitis	-34.3 (-59.4 to 9.19)	<b>-65.8 (-78.4 to -42.9)</b>	<b>-56.6 (-71.6 to -31)</b>
21 Diabetes	21 Maternal disorders			
22 Depressive disorders	28 Tuberculosis			
23 Low back pain	42 Protein-energy malnutrition			
24 Headache disorders	48 HIV/AIDS			
27 Chronic kidney disease	103 Measles			
44 Other musculoskeletal	166 COVID-19			

### Guinea-Bissau, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-42.1 (-57.2 to -24.8)	-67.4 (-74.2 to -60.2)	-45.3 (-54.5 to -33.1)
2 COVID-19	2 Lower respiratory infect	0.833 (-22.5 to 26.3)	-43.1 (-54.9 to -29.5)	-42.3 (-52.2 to -30.5)
3 HIV/AIDS	3 Stroke	49.9 (17.5 to 89.7)	-15.4 (-32.5 to 4.33)	-48.1 (-59 to -34.7)
4 Lower respiratory infect	4 HIV/AIDS	-38.2 (-59 to -4.84)	-65.2 (-76.2 to -48.2)	-68.6 (-77.5 to -53.8)
5 Measles	5 Road injuries	26.9 (-34.1 to 133)	-28.4 (-61.8 to 30.8)	-33.1 (-63.7 to 18.8)
6 Stroke	6 Diabetes	183 (132 to 244)	59.8 (31.1 to 89.2)	-2.96 (-18.5 to 13.6)
7 Diarrheal diseases	7 Ischemic heart disease	67.4 (8.36 to 145)	-5.48 (-36.8 to 37.4)	-45.5 (-64.3 to -19.8)
8 Road injuries	8 Diarrheal diseases	-9.23 (-42.3 to 30.4)	-48.8 (-65.4 to -28.7)	-44.4 (-61.7 to -22.6)
9 Congenital defects	9 Chronic kidney disease	156 (83.9 to 249)	44.3 (5.3 to 92.3)	5.1 (-21.6 to 37.3)
10 Tuberculosis	10 Congenital defects	-20.8 (-38.4 to 1.96)	-55.5 (-61.8 to -47.8)	-32.8 (-40.7 to -22.5)
11 Ischemic heart disease	11 Cirrhosis liver	53.3 (21.4 to 97.1)	-13.5 (-30.8 to 5.73)	-40 (-50.8 to -27.4)
12 Malaria	12 Depressive disorders	121 (89 to 153)	24.7 (17.2 to 33.6)	-3.9 (-4.4 to -3.4)
13 Dietary iron deficiency	13 Other musculoskeletal	426 (347 to 511)	196 (173 to 222)	115 (107 to 121)
14 Cirrhosis liver	14 Dietary iron deficiency	28 (5.04 to 53.8)	-28 (-31.1 to -24.5)	-21.2 (-22.1 to -20.1)
15 Pertussis	15 Headache disorders	109 (73.8 to 142)	17.6 (11.9 to 31.6)	0.536 (0.211 to 0.846)
16 Meningitis	16 Low back pain	125 (92.3 to 158)	27.1 (18.5 to 37)	-7.42 (-7.69 to -7.07)
17 Diabetes	17 Hypertensive heart disease	156 (84.2 to 248)	44.8 (8.11 to 95.1)	-18 (-38.3 to 11.6)
18 Interpersonal violence	18 Tuberculosis	-35.4 (-59.1 to -1.35)	-63.5 (-75.5 to -47.9)	-72.2 (-81.3 to -59.1)
19 Chronic kidney disease	19 Interpersonal violence	47.1 (11.5 to 83.4)	-17.2 (-31 to 0.137)	-26.5 (-37.5 to -11.2)
20 Depressive disorders	20 Self-harm	85.3 (45 to 131)	4.58 (-16.5 to 28.4)	-19.7 (-34.3 to -2.63)
21 Headache disorders	25 Meningitis			
23 Low back pain	29 Pertussis			
25 Self-harm	45 Measles			
28 Hypertensive heart disease	75 Malaria			
40 Other musculoskeletal	166 COVID-19			

### Liberia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Malaria	1 Neonatal disorders	-37.3 (-56.8 to -12.2)	-61.5 (-71 to -49.3)	-35.6 (-48.3 to -18.4)
2 Neonatal disorders	2 Malaria	-42.3 (-90.1 to 175)	-64.2 (-93.8 to 80.6)	-59.4 (-93.1 to 97)
3 Diarrheal diseases	3 Stroke	83.9 (39.8 to 139)	13.6 (-10.1 to 45.3)	-40.7 (-53.5 to -20.9)
4 Lower respiratory infect	4 Diabetes	238 (166 to 316)	109 (75.8 to 149)	11.5 (-4.71 to 33.8)
5 Congenital defects	5 Lower respiratory infect	7.69 (-17.1 to 33.6)	-33.5 (-45.9 to -18.2)	-35.2 (-46.7 to -19)
6 Stroke	6 Diarrheal diseases	-11.4 (-48.8 to 45)	-45.3 (-67.1 to -10.5)	-36.8 (-61.2 to 1.52)
7 HIV/AIDS	7 Ischemic heart disease	128 (49.3 to 257)	41 (-7.7 to 116)	-32.2 (-56.8 to 9.34)
8 Onchocerciasis	8 Chronic kidney disease	178 (103 to 291)	72 (26.4 to 134)	10.8 (-21.1 to 57)
9 Maternal disorders	9 Depressive disorders	112 (73 to 154)	30.8 (21.3 to 42.9)	-1.94 (-3.23 to -0.561)
10 Dietary iron deficiency	10 Dietary iron deficiency	37.9 (13.6 to 66.3)	-15.1 (-19.2 to -11)	-13.9 (-15 to -12.1)
11 Ischemic heart disease	11 Low back pain	121 (80.3 to 158)	36.3 (25.6 to 48.7)	-5.18 (-5.64 to -4.73)
12 Road injuries	12 Hypertensive heart disease	213 (130 to 333)	93.6 (42.6 to 163)	-5.79 (-32.2 to 32.1)
13 Diabetes	13 Onchocerciasis	7.98 (-12.2 to 31)	-33.4 (-40.6 to -24.7)	-45.7 (-47.9 to -42.8)
14 Cirrhosis liver	14 Cirrhosis liver	65 (25.7 to 108)	1.93 (-19.8 to 27.8)	-34.2 (-46.1 to -18)
15 Depressive disorders	15 Congenital defects	-31.2 (-49.7 to -7.35)	-57.8 (-65 to -47.7)	-34.8 (-43.2 to -23.1)
16 STIs	16 Headache disorders	87.4 (56.3 to 121)	15.5 (8.1 to 29.1)	0.918 (0.433 to 1.4)
17 Chronic kidney disease	17 Road injuries	23.2 (-30.6 to 135)	-23.9 (-57.4 to 38.8)	-30.9 (-61.5 to 23.4)
18 Tuberculosis	18 Other musculoskeletal	317 (239 to 393)	157 (134 to 183)	77.2 (68.8 to 82.4)
19 Meningitis	19 Liver cancer	179 (103 to 288)	72.6 (27.8 to 131)	1.6 (-25.3 to 41.7)
20 Hemoglobinopathies	20 Gynecological diseases	71.7 (34.4 to 122)	6.02 (-16.4 to 31.6)	-15.3 (-31.5 to 3.97)
22 Headache disorders	21 Hemoglobinopathies			
23 Low back pain	25 Maternal disorders			
26 Gynecological diseases	27 Tuberculosis			
29 Hypertensive heart disease	34 Meningitis			
33 Liver cancer	44 STIs			
41 Other musculoskeletal	71 HIV/AIDS			

### Mali, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-6.16 (-29.3 to 24.5)	<b>-60.4 (-69.2 to -47.8)</b>	<b>-45 (-57.2 to -28.1)</b>
2 Malaria	2 Malaria	-46.6 (-93.9 to 198)	-76 (-97.4 to 26.4)	-71.6 (-96.3 to 64.1)
3 Lower respiratory infect	3 Congenital defects	9.91 (-14.7 to 36.2)	<b>-53.6 (-60.7 to -45)</b>	<b>-38.7 (-47.6 to -30)</b>
4 Congenital defects	4 Lower respiratory infect	-14.6 (-36.7 to 10.6)	<b>-63.9 (-71.6 to -54)</b>	<b>-47.3 (-56.5 to -35)</b>
5 Protein-energy malnutrition	5 Diabetes	<b>241 (174 to 312)</b>	<b>44.2 (24 to 64.1)</b>	<b>16.9 (2.51 to 33.1)</b>
6 Diarrheal diseases	6 Dietary iron deficiency	<b>74.2 (49.9 to 105)</b>	<b>-26.4 (-28.2 to -24.9)</b>	<b>-21.1 (-22.1 to -20.1)</b>
7 Dietary iron deficiency	7 Diarrheal diseases	-10.5 (-47.2 to 41)	<b>-62.2 (-76.5 to -42.6)</b>	<b>-52.6 (-68.4 to -31.9)</b>
8 Measles	8 Stroke	<b>73.8 (32.1 to 122)</b>	<b>-26.6 (-41.4 to -10.7)</b>	<b>-36.2 (-49 to -20.7)</b>
9 iNTS	9 iNTS	4.4 (-48.3 to 94.3)	<b>-56 (-78.1 to -19.7)</b>	<b>-48.2 (-72.6 to -8.81)</b>
10 HIV/AIDS	10 Headache disorders	<b>165 (125 to 214)</b>	<b>12 (9.03 to 16.2)</b>	<b>0.896 (0.464 to 1.28)</b>
11 Stroke	11 Other musculoskeletal	<b>576 (461 to 701)</b>	<b>186 (168 to 202)</b>	<b>138 (129 to 145)</b>
12 Meningitis	12 Road injuries	37.2 (-21.2 to 133)	<b>-42.1 (-67 to -2.19)</b>	<b>-42.9 (-65.7 to -7.23)</b>
13 Road injuries	13 Chronic kidney disease	<b>178 (88.4 to 274)</b>	17.5 (-16.7 to 59.2)	13 (-15.4 to 51.9)
14 COVID-19	14 Depressive disorders	<b>163 (123 to 206)</b>	<b>10.9 (6.84 to 15.4)</b>	<b>-3.9 (-4.43 to -3.3)</b>
15 Tuberculosis	15 Low back pain	<b>155 (116 to 198)</b>	<b>7.74 (2.57 to 12.1)</b>	<b>-8.22 (-8.54 to -7.88)</b>
16 Diabetes	16 Ischemic heart disease	<b>100 (25.3 to 194)</b>	-15.5 (-45.4 to 23.4)	-31.7 (-56.1 to 1.22)
17 Maternal disorders	17 Hemoglobinopathies	<b>60.2 (25.5 to 92.9)</b>	<b>-32.4 (-39.8 to -25.3)</b>	<b>-23.5 (-29.7 to -17.3)</b>
18 Pertussis	18 Interpersonal violence	<b>88.6 (49.6 to 142)</b>	<b>-20.4 (-32.8 to -1.41)</b>	<b>-23.2 (-34.3 to -6.46)</b>
19 STIs	19 Protein-energy malnutrition	<b>-59.1 (-81.2 to -17.2)</b>	<b>-82.7 (-92.1 to -64.8)</b>	<b>-75.8 (-88.1 to -54.1)</b>
20 Hemoglobinopathies	20 Liver cancer	<b>144 (80.1 to 213)</b>	2.89 (-19.8 to 29.8)	-12.7 (-33 to 11.4)
21 Interpersonal violence	23 Meningitis			
22 Ischemic heart disease	26 Maternal disorders			
25 Headache disorders	28 Pertussis			
26 Chronic kidney disease	35 STIs			
27 Low back pain	36 Tuberculosis			
28 Depressive disorders	71 Measles			
30 Liver cancer	84 HIV/AIDS			

### Mauritania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-9.5 (-30.8 to 16.6)	<b>-47 (-55.6 to -35.9)</b>	<b>-23 (-33.7 to -9.17)</b>
2 Lower respiratory infect	2 Lower respiratory infect	8.31 (-16.3 to 36.1)	<b>-36.4 (-48 to -20.8)</b>	<b>-32.5 (-43.8 to -17.2)</b>
3 Road injuries	3 Road injuries	32.2 (-31.4 to 143)	-22.4 (-57.1 to 42.2)	-25.3 (-57 to 33.7)
4 COVID-19	4 Stroke	<b>51.1 (19.8 to 86.3)</b>	-11.2 (-28 to 9.97)	<b>-42.4 (-53.2 to -26.6)</b>
5 Stroke	5 Diabetes	<b>162 (117 to 218)</b>	<b>54.2 (30.2 to 84.6)</b>	0.947 (-15.3 to 20.3)
6 Diarrheal diseases	6 Ischemic heart disease	43.4 (-0.336 to 105)	-15.7 (-40.1 to 17.2)	<b>-46.3 (-63.3 to -21.2)</b>
7 Malaria	7 Chronic kidney disease	<b>192 (119 to 287)</b>	<b>71.3 (34.9 to 122)</b>	24.3 (-4.83 to 65.3)
8 Congenital defects	8 Other musculoskeletal	<b>348 (288 to 408)</b>	<b>163 (145 to 184)</b>	<b>94 (90 to 97.7)</b>
9 Ischemic heart disease	9 Low back pain	<b>112 (81.7 to 140)</b>	<b>24.7 (16.9 to 33.7)</b>	<b>-6.43 (-6.65 to -6.21)</b>
10 Maternal disorders	10 Headache disorders	<b>97.5 (69.5 to 127)</b>	<b>15.9 (10.3 to 26.9)</b>	<b>0.411 (0.196 to 0.606)</b>
11 Dietary iron deficiency	11 Depressive disorders	<b>110 (77.8 to 139)</b>	<b>23.1 (15.5 to 31)</b>	<b>-3.2 (-3.5 to -2.89)</b>
12 Diabetes	12 Hypertensive heart disease	<b>153 (90.7 to 229)</b>	<b>48.9 (15 to 89.8)</b>	-5.59 (-28.7 to 23.8)
13 Headache disorders	13 Diarrheal diseases	-20 (-50.7 to 14.4)	<b>-53.1 (-69.6 to -34.3)</b>	<b>-48.9 (-64.8 to -29.4)</b>
14 Low back pain	14 Congenital defects	-14.6 (-35.3 to 7.44)	<b>-50 (-57.2 to -42.7)</b>	<b>-29.7 (-37.8 to -19.2)</b>
15 Depressive disorders	15 Dietary iron deficiency	<b>25.4 (3.13 to 47.3)</b>	<b>-26.5 (-31.4 to -22.7)</b>	<b>-18.7 (-19.5 to -17.6)</b>
16 Chronic kidney disease	16 Liver cancer	<b>150 (89.4 to 238)</b>	<b>46.9 (15.2 to 94.2)</b>	1.12 (-22 to 35.6)
17 Pertussis	17 Gynecological diseases	<b>75.8 (39.5 to 116)</b>	3.22 (-15.4 to 25.7)	<b>-20.2 (-35.1 to -2.84)</b>
18 Cirrhosis liver	18 Cirrhosis liver	<b>55.1 (24.2 to 92.3)</b>	-8.9 (-25.2 to 11.5)	<b>-34.2 (-45.1 to -19.6)</b>
19 Gynecological diseases	19 Age-related hearing loss	<b>124 (90.9 to 158)</b>	<b>31.5 (19.9 to 43.3)</b>	<b>-1.98 (-2.13 to -1.85)</b>
20 Hypertensive heart disease	20 Anxiety disorders	<b>86.8 (58.2 to 119)</b>	<b>9.57 (3.6 to 17.7)</b>	<b>1.5 (1.23 to 1.79)</b>
23 Anxiety disorders	26 Maternal disorders			
24 Liver cancer	32 Malaria			
27 Age-related hearing loss	45 Pertussis			
29 Other musculoskeletal	162 COVID-19			

### Niger, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	<b>53.3 (19.6 to 91.8)</b>	<b>-45.6 (-56.4 to -33)</b>	<b>-31.6 (-43.8 to -17.1)</b>
2 Malaria	2 Malaria	30.9 (-92.4 to 659)	-52.8 (-97.3 to 172)	-49.5 (-96 to 192)
3 Lower respiratory infect	3 Lower respiratory infect	24.9 (-4.38 to 65.5)	<b>-55.7 (-65.3 to -40.3)</b>	<b>-36.2 (-47.6 to -21.8)</b>
4 Diarrheal diseases	4 Diarrheal diseases	17.4 (-24.4 to 70.1)	<b>-58.3 (-72.5 to -39.4)</b>	<b>-44 (-61.7 to -21.9)</b>
5 Measles	5 Congenital defects	<b>43.7 (14.7 to 77)</b>	<b>-49 (-56.7 to -38.8)</b>	<b>-37.5 (-45.8 to -27)</b>
6 Congenital defects	6 Stroke	<b>141 (87.9 to 205)</b>	-14.4 (-28.9 to 3.81)	-7.32 (-23.8 to 14.2)
7 Meningitis	7 iNTS	76 (-7.02 to 192)	<b>-37.5 (-66.9 to -0.529)</b>	-30.9 (-60.7 to 6.79)
8 Tuberculosis	8 Pertussis	<b>90.4 (5.75 to 194)</b>	-32.5 (-60 to 2.54)	-20.5 (-51.2 to 20.4)
9 iNTS	9 Meningitis	22.1 (-26.7 to 100)	<b>-56.6 (-73.7 to -27.6)</b>	<b>-47.8 (-65.6 to -18.5)</b>
10 Pertussis	10 Diabetes	<b>307 (235 to 388)</b>	<b>44.5 (26.4 to 67.4)</b>	<b>48.1 (25.9 to 74.6)</b>
11 Stroke	11 Dietary iron deficiency	<b>119 (84.1 to 153)</b>	<b>-22.5 (-24.7 to -20.3)</b>	<b>-19.2 (-20.3 to -18)</b>
12 Maternal disorders	12 Ischemic heart disease	<b>235 (130 to 359)</b>	19.1 (-16.1 to 62.8)	23.1 (-14.3 to 77.8)
13 Dietary iron deficiency	13 Maternal disorders	<b>53 (1.2 to 122)</b>	<b>-45.6 (-63.1 to -20.2)</b>	<b>-53.9 (-68.1 to -33.8)</b>
14 Road injuries	14 Headache disorders	<b>210 (169 to 257)</b>	<b>9.97 (6.91 to 14.3)</b>	<b>0.429 (0.043 to 0.881)</b>
15 Protein-energy malnutrition	15 Depressive disorders	<b>204 (163 to 249)</b>	<b>7.74 (3.48 to 13.1)</b>	<b>-3.53 (-4.25 to -2.73)</b>
16 Cirrhosis liver	16 Road injuries	<b>102 (14 to 235)</b>	-28 (-58.1 to 23.4)	-28.4 (-55 to 15.1)
17 COVID-19	17 Low back pain	<b>195 (152 to 241)</b>	<b>4.57 (0.251 to 9.93)</b>	<b>-6.65 (-7.03 to -6.24)</b>
18 Drowning	18 Cirrhosis liver	<b>90 (53.8 to 131)</b>	<b>-32.5 (-42.8 to -18.3)</b>	<b>-35.4 (-44.9 to -23.3)</b>
19 Hemoglobinopathies	19 Tuberculosis	-10.7 (-46.2 to 46.2)	<b>-68.2 (-80.7 to -48.8)</b>	<b>-66.3 (-78 to -49.2)</b>
20 Headache disorders	20 Hemoglobinopathies	<b>101 (64.3 to 140)</b>	<b>-28.7 (-36.2 to -20.9)</b>	<b>-19.8 (-25.9 to -13.7)</b>
21 Depressive disorders	26 Measles			
22 Ischemic heart disease	34 Drowning			
23 Low back pain	36 Protein-energy malnutrition			
24 Diabetes	167 COVID-19			

### Nigeria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-24.7 (-45 to -3.92)	-60 (-67.6 to -51.7)	-36.4 (-46.6 to -23.4)
2 Malaria	2 Malaria	-24.4 (-92.1 to 400)	-58.6 (-95.6 to 173)	-50.3 (-94.7 to 253)
3 Lower respiratory infect	3 Lower respiratory infect	-42.2 (-55.3 to -26.1)	-69.2 (-75.1 to -61.9)	-54.8 (-62.6 to -44.7)
4 Diarrheal diseases	4 Diarrheal diseases	-57.9 (-73 to -34.4)	-77.5 (-85.4 to -65.4)	-67.7 (-78.4 to -51.7)
5 Congenital defects	5 Congenital defects	-21.2 (-41.6 to 0.654)	-58.1 (-65.7 to -49.2)	-37.2 (-45.6 to -25.7)
6 HIV/AIDS	6 Diabetes	210 (156 to 271)	65.4 (40.1 to 92.9)	-1.15 (-14 to 12.2)
7 Meningitis	7 Stroke	74.4 (45.2 to 110)	-6.9 (-21.3 to 9.67)	-45.6 (-53.3 to -36.3)
8 Tuberculosis	8 Ischemic heart disease	76.5 (26.7 to 146)	-5.76 (-33.8 to 30.4)	-48.2 (-63 to -28.3)
9 Stroke	9 Other musculoskeletal	410 (344 to 473)	172 (150 to 192)	93.5 (88.7 to 97.7)
10 Pertussis	10 Low back pain	138 (108 to 168)	27.1 (19.1 to 36.5)	-6.72 (-7.2 to -6.22)
11 Dietary iron deficiency	11 Headache disorders	118 (87.2 to 151)	16.3 (10.1 to 27.3)	0.116 (-0.241 to 0.467)
12 Ischemic heart disease	12 Dietary iron deficiency	37.3 (15.8 to 61.5)	-26.9 (-29.7 to -24.1)	-19.1 (-19.9 to -18.1)
13 iNTS	13 Chronic kidney disease	199 (129 to 294)	59.5 (18.9 to 112)	14.3 (-11.7 to 50.4)
14 Hemoglobinopathies	14 Depressive disorders	134 (105 to 166)	25 (17.8 to 33.7)	-3.5 (-4 to -3.04)
15 Maternal disorders	15 HIV/AIDS	-45.1 (-61.4 to -36.3)	-70.8 (-78.3 to -65.4)	-75.5 (-81.5 to -71.8)
16 Headache disorders	16 Hemoglobinopathies	23.8 (2.04 to 52.2)	-34.1 (-42.5 to -26)	-23.5 (-30.6 to -16.5)
17 Road injuries	17 Cirrhosis liver	51.2 (25.2 to 83.5)	-19.3 (-33.1 to -1.92)	-39.8 (-48.2 to -27.9)
18 Cirrhosis liver	18 Gynecological diseases	94.8 (59.6 to 138)	3.99 (-13.8 to 23.3)	-20 (-32.6 to -6.95)
19 Low back pain	19 Road injuries	39.9 (-11.4 to 129)	-25.3 (-53.6 to 20.6)	-32.6 (-56.9 to 8.82)
20 Diabetes	20 Age-related hearing loss	155 (122 to 190)	35.9 (25.4 to 47)	-2.05 (-2.28 to -1.8)
22 Depressive disorders	24 Tuberculosis			
24 Gynecological diseases	26 Meningitis			
25 Chronic kidney disease	27 iNTS			
28 Age-related hearing loss	30 Pertussis			
34 Other musculoskeletal	31 Maternal disorders			



### São Tomé and Príncipe, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Chronic kidney disease	141 (73.9 to 216)	124 (70.8 to 198)	17.1 (-10.4 to 52.5)
2 Neonatal disorders	2 Stroke	33.5 (2.95 to 66.7)	23.8 (-0.41 to 53.8)	-43.8 (-52.9 to -31.5)
3 Stroke	3 Lower respiratory infect	11.2 (-14 to 37.1)	3.1 (-16.5 to 27.8)	-37.3 (-45.9 to -26.7)
4 Cirrhosis liver	4 Diabetes	171 (128 to 222)	152 (121 to 190)	25.1 (13.1 to 36.4)
5 Ischemic heart disease	5 Ischemic heart disease	48 (1.04 to 103)	37.2 (-1.56 to 94.5)	-40.8 (-58.3 to -17.8)
6 Chronic kidney disease	6 COPD	103 (56.5 to 153)	88.2 (47.2 to 136)	-20.4 (-34.8 to -1.22)
7 COPD	7 Cirrhosis liver	22.1 (-8.02 to 48.9)	13.2 (-8.6 to 40)	-34.6 (-44.2 to -23)
8 Congenital defects	8 Neonatal disorders	-45.4 (-60 to -26.8)	-49.7 (-58.1 to -41.5)	-26.3 (-36.5 to -14.2)
9 Headache disorders	9 Low back pain	54.9 (28.5 to 79.2)	43.4 (30.7 to 57.4)	-5.37 (-5.52 to -5.21)
10 Dietary iron deficiency	10 Other musculoskeletal	169 (128 to 219)	149 (127 to 178)	70.4 (65.9 to 73.9)
11 Diabetes	11 Depressive disorders	39.3 (15.6 to 64.8)	28.8 (18.7 to 41.1)	-2.49 (-2.77 to -2.2)
12 Depressive disorders	12 Headache disorders	21.7 (-0.173 to 47.3)	12.5 (4.5 to 33.6)	0.751 (0.461 to 0.926)
13 Road injuries	13 Falls	54.4 (21.2 to 90.8)	43.1 (17.7 to 75.5)	-11.9 (-21 to -2.08)
14 Low back pain	14 Other cardiovascular	76.1 (43.4 to 114)	63.4 (33.4 to 99.8)	-19.6 (-29.5 to -8.14)
15 Asthma	15 Age-related hearing loss	82.9 (55.3 to 115)	69.4 (52.5 to 87.3)	-1.4 (-1.54 to -1.24)
16 Gynecological diseases	16 Lung cancer	141 (88.2 to 211)	123 (73.2 to 181)	-2.9 (-19.7 to 17.2)
17 Diarrheal diseases	17 Road injuries	-4.68 (-46.4 to 55)	-11.8 (-43.8 to 40.5)	-28.6 (-56.2 to 13.5)
18 Falls	18 Gynecological diseases	10.8 (-14.8 to 39.9)	2.6 (-16.8 to 24.3)	-16.4 (-30.4 to 0.507)
19 Anxiety disorders	19 Hypertensive heart disease	139 (73.3 to 213)	121 (69.8 to 192)	-2.74 (-25.1 to 25.8)
20 Hemoglobinopathies	20 Blindness and vision loss	97.9 (66.1 to 128)	83.4 (62.3 to 106)	-7.41 (-8.1 to -6.74)
21 Other cardiovascular	21 Dietary iron deficiency			
22 Age-related hearing loss	22 Anxiety disorders			
24 Other musculoskeletal	27 Asthma			
31 Lung cancer	30 Congenital defects			
32 Blindness and vision loss	34 Hemoglobinopathies			
34 Hypertensive heart disease	42 Diarrheal diseases			

### Senegal, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-32.6 (-48.5 to -14.9)	-59.7 (-66.3 to -52)	-36.9 (-45.2 to -25.7)
2 Lower respiratory infect	2 Diabetes	146 (106 to 190)	47.4 (28 to 71.9)	-8.16 (-19.1 to 5.11)
3 Stroke	3 Stroke	26.2 (2.44 to 52.4)	-24.5 (-36.8 to -11)	-53.5 (-60.4 to -44.8)
4 Congenital defects	4 Lower respiratory infect	-20 (-38.1 to -0.0297)	-52.2 (-61.2 to -41.4)	-46.7 (-55.3 to -36.9)
5 Malaria	5 Ischemic heart disease	23.9 (-12.2 to 65.4)	-25.9 (-45.7 to 0.752)	-56 (-68.4 to -38.6)
6 Diarrheal diseases	6 Other musculoskeletal	392 (341 to 456)	194 (176 to 216)	116 (111 to 121)
7 Ischemic heart disease	7 Dietary iron deficiency	21.8 (3.55 to 39.3)	-27.2 (-30.9 to -23.7)	-19 (-19.7 to -18.1)
8 Dietary iron deficiency	8 Depressive disorders	106 (81.9 to 135)	23.5 (16.6 to 32)	-3.87 (-4.19 to -3.54)
9 Diabetes	9 Chronic kidney disease	98.8 (45.5 to 158)	18.9 (-7.42 to 53.2)	-17.1 (-35 to 8.15)
10 Road injuries	10 Low back pain	109 (85.9 to 134)	25 (17.4 to 33.1)	-7.71 (-7.95 to -7.51)
11 COVID-19	11 Headache disorders	92.2 (68 to 117)	15 (9.62 to 26.2)	0.585 (0.261 to 0.836)
12 Tuberculosis	12 Congenital defects	-25.6 (-40.3 to -6.9)	-55.6 (-61.9 to -47.8)	-34.4 (-41.6 to -24.3)
13 Chronic kidney disease	13 Diarrheal diseases	-18.3 (-44.4 to 15.7)	-51.1 (-66.7 to -31.5)	-49.8 (-63.9 to -31.6)
14 Maternal disorders	14 Road injuries	13.7 (-33.4 to 96)	-32 (-57.4 to 13.8)	-38.7 (-61.3 to -0.505)
15 Depressive disorders	15 Hypertensive heart disease	129 (73.4 to 195)	36.8 (6.88 to 77.4)	-19.2 (-36.4 to 7.16)
16 Headache disorders	16 Cirrhosis liver	45.6 (18.4 to 75.8)	-12.9 (-27.3 to 5.09)	-38.7 (-47.5 to -27.3)
17 Meningitis	17 Age-related hearing loss	128 (102 to 157)	36.6 (26.3 to 48.6)	-2.18 (-2.31 to -2.04)
18 Cirrhosis liver	18 Gynecological diseases	61 (28.8 to 96.9)	-3.63 (-20.8 to 15)	-24.2 (-36.3 to -9.72)
19 Low back pain	19 COPD	102 (59.4 to 142)	21 (-0.558 to 48)	-26.9 (-41 to -10.3)
20 Hemoglobinopathies	20 Anxiety disorders	83.3 (60.4 to 108)	9.61 (3.48 to 17.7)	2.03 (1.79 to 2.29)
22 Gynecological diseases	23 Hemoglobinopathies			
26 Hypertensive heart disease	30 Tuberculosis			
27 Anxiety disorders	31 Meningitis			
29 COPD	36 Maternal disorders			
30 Age-related hearing loss	46 Malaria			
32 Other musculoskeletal	164 COVID-19			

### Sierra Leone, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-47.2 (-60.6 to -29)	-69 (-76 to -58.5)	-47.6 (-58.9 to -30.4)
2 Malaria	2 Malaria	-37.8 (-93.3 to 228)	-61.5 (-96.2 to 113)	-50.4 (-95.2 to 131)
3 Lower respiratory infect	3 Lower respiratory infect	-16.2 (-31.5 to 1.85)	-50.7 (-61 to -39.9)	-42 (-52.3 to -31.1)
4 Protein-energy malnutrition	4 Diarrheal diseases	-1.62 (-38.4 to 43.1)	-42.2 (-62.2 to -16.6)	-34 (-53.3 to -10)
5 Diarrheal diseases	5 Stroke	32.2 (6.04 to 62.6)	-22.3 (-37.9 to -1.8)	-49.9 (-59.4 to -37.3)
6 Congenital defects	6 Diabetes	183 (135 to 236)	66.2 (37.6 to 96.8)	3.34 (-11 to 19.4)
7 Stroke	7 Ischemic heart disease	50.9 (1.81 to 112)	-11.2 (-41.9 to 27.9)	-47.8 (-65.4 to -23.8)
8 Tuberculosis	8 Congenital defects	-33.1 (-49 to -15.2)	-60.8 (-68 to -51.7)	-38.6 (-47.1 to -26.7)
9 Ischemic heart disease	9 Depressive disorders	110 (82.6 to 136)	23.1 (16 to 31.6)	-3.09 (-3.83 to -2.32)
10 Road injuries	10 Road injuries	18 (-30.1 to 93.9)	-30.6 (-58.1 to 10.8)	-32.7 (-58.1 to 9.83)
11 HIV/AIDS	11 Low back pain	116 (88.7 to 142)	26.9 (19.6 to 37.1)	-6.63 (-7.16 to -6.18)
12 Maternal disorders	12 Other musculoskeletal	387 (324 to 452)	186 (166 to 209)	108 (101 to 113)
13 iNTS	13 Headache disorders	95.5 (69.3 to 125)	14.8 (9.39 to 26.5)	0.967 (0.369 to 1.51)
14 Hemoglobinopathies	14 Protein-energy malnutrition	-65.6 (-82.6 to -38.7)	-79.7 (-89.3 to -62.3)	-69.3 (-83.4 to -42.4)
15 Meningitis	15 Chronic kidney disease	127 (67.3 to 203)	33.6 (-0.122 to 76.1)	0.346 (-25.9 to 32.3)
16 Dietary iron deficiency	16 Hemoglobinopathies	12.2 (-11.3 to 37.9)	-34.2 (-42.7 to -24.1)	-22.8 (-30.5 to -13.2)
17 Depressive disorders	17 Cirrhosis liver	38.5 (11.9 to 64)	-18.6 (-32.7 to -0.873)	-42.6 (-52.3 to -30.9)
18 Diabetes	18 Dietary iron deficiency	23.1 (3.67 to 41)	-27.8 (-31.6 to -24.1)	-20.4 (-21.2 to -19.2)
19 Cirrhosis liver	19 Tuberculosis	-36.2 (-58.6 to -3.35)	-62.4 (-76.5 to -43.1)	-67.8 (-79.1 to -51.7)
20 Headache disorders	20 Maternal disorders	-26.5 (-53 to 9.81)	-56.9 (-71.1 to -37.6)	-59.1 (-72.7 to -40.9)
21 Low back pain	25 iNTS			
24 Chronic kidney disease	29 Meningitis			
40 Other musculoskeletal	63 HIV/AIDS			

### Togo, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Lower respiratory infect	1.47 (-22.5 to 24.4)	<b>-34.4 (-46.5 to -19.8)</b>	<b>-37.5 (-47.4 to -24.1)</b>
2 Malaria	2 Neonatal disorders	<b>-46 (-60.2 to -30.5)</b>	<b>-65.1 (-71.5 to -56.4)</b>	<b>-42.6 (-51.8 to -29.5)</b>
3 Lower respiratory infect	3 Malaria	-37.2 (-92.3 to 154)	-59.7 (-95.1 to 72.7)	-55.9 (-94.7 to 93)
4 Diarrheal diseases	4 Stroke	<b>41.1 (9.88 to 74.7)</b>	-8.71 (-26 to 15.2)	<b>-49.7 (-59.1 to -35.3)</b>
5 Stroke	5 Diarrheal diseases	-12.7 (-42.9 to 25.7)	<b>-43.5 (-62.6 to -16.3)</b>	<b>-38 (-58.1 to -12.1)</b>
6 HIV/AIDS	6 Diabetes	<b>187 (125 to 251)</b>	<b>85.7 (55 to 122)</b>	6.16 (-9.74 to 25)
7 Congenital defects	7 Ischemic heart disease	48.4 (-0.487 to 120)	-3.81 (-34.5 to 45.3)	<b>-49.4 (-66.8 to -22.2)</b>
8 Road injuries	8 Road injuries	4.22 (-39.1 to 82.6)	-32.4 (-61.3 to 20.5)	-34.3 (-61.4 to 15.7)
9 Hemoglobinopathies	9 Depressive disorders	<b>96.9 (63.9 to 133)</b>	<b>27.1 (20.9 to 34.6)</b>	<b>-3.93 (-4.41 to -3.41)</b>
10 Ischemic heart disease	10 Chronic kidney disease	<b>162 (95.1 to 251)</b>	<b>69.5 (30.4 to 129)</b>	9.81 (-17.9 to 49.5)
11 Dietary iron deficiency	11 Other musculoskeletal	<b>336 (264 to 406)</b>	<b>181 (163 to 200)</b>	<b>101 (96.2 to 105)</b>
12 Tuberculosis	12 Hemoglobinopathies	2.44 (-19 to 24.2)	<b>-33.9 (-40.1 to -27.3)</b>	<b>-26.7 (-33.5 to -20)</b>
13 COVID-19	13 Low back pain	<b>101 (69.6 to 134)</b>	<b>29.7 (22.4 to 37.3)</b>	<b>-7.22 (-7.71 to -6.78)</b>
14 iNTS	14 Dietary iron deficiency	6.48 (-15.2 to 28.2)	<b>-31.4 (-36.2 to -27.3)</b>	<b>-17.5 (-18.7 to -16.5)</b>
15 Depressive disorders	15 Headache disorders	<b>79.2 (45.9 to 111)</b>	<b>15.7 (10.6 to 28)</b>	0.295 (-0.102 to 0.683)
16 Cirrhosis liver	16 Hypertensive heart disease	<b>170 (100 to 266)</b>	<b>74.8 (31 to 133)</b>	-8.89 (-32.2 to 21.8)
17 Diabetes	17 Cirrhosis liver	<b>43.4 (13.7 to 75.6)</b>	-7.25 (-23.1 to 11.8)	<b>-37.2 (-47.6 to -24.4)</b>
18 Low back pain	18 Congenital defects	<b>-30.8 (-46.4 to -15.4)</b>	<b>-55.3 (-61.3 to -47.7)</b>	<b>-32.4 (-40.1 to -22.9)</b>
19 Headache disorders	19 Tuberculosis	-22.5 (-47.7 to 16.3)	<b>-49.8 (-65.3 to -24.7)</b>	<b>-63.9 (-75.5 to -46)</b>
20 Meningitis	20 Gynecological diseases	<b>47.5 (17.3 to 83.4)</b>	-4.6 (-22.8 to 18.2)	<b>-24.5 (-38.9 to -6.36)</b>
21 Chronic kidney disease	26 iNTS			
22 Gynecological diseases	34 Meningitis			
27 Hypertensive heart disease	50 HIV/AIDS			
34 Other musculoskeletal	166 COVID-19			

### Global, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	1.61 (-28.3 to 44.6)	-13.5 (-40.7 to 27.6)	<b>-44.4 (-63.9 to -13.7)</b>
2 Neonatal disorders	2 Stroke	12.9 (-4.67 to 34)	-3.94 (-18.4 to 16)	<b>-38.8 (-49.7 to -24.1)</b>
3 Stroke	3 Diabetes	<b>97.5 (82.1 to 114)</b>	<b>68 (51.7 to 86.5)</b>	<b>22.4 (10.4 to 36.6)</b>
4 Lower respiratory infect	4 COPD	<b>72.8 (39.6 to 113)</b>	<b>47 (19 to 86.1)</b>	-13.8 (-34.6 to 15.6)
5 Diabetes	5 Neonatal disorders	<b>-37.2 (-48.4 to -23)</b>	<b>-46.6 (-55.8 to -34.4)</b>	<b>-32.7 (-43.2 to -17.5)</b>
6 COPD	6 Other musculoskeletal	<b>109 (97.2 to 119)</b>	<b>77.5 (70.8 to 84.9)</b>	<b>54.8 (52.3 to 57.6)</b>
7 COVID-19	7 Low back pain	<b>34.1 (28.1 to 40.4)</b>	<b>13.9 (10.3 to 18)</b>	<b>-5.23 (-5.58 to -4.9)</b>
8 Low back pain	8 Alzheimer's disease	<b>142 (106 to 173)</b>	<b>106 (80.6 to 129)</b>	<b>-2.91 (-4.6 to -1.47)</b>
9 Road injuries	9 Lower respiratory infect	<b>-14.6 (-25 to -4.23)</b>	<b>-27.4 (-36.3 to -16.1)</b>	<b>-44.1 (-53.2 to -32.1)</b>
10 Diarrheal diseases	10 Chronic kidney disease	<b>122 (71.7 to 183)</b>	<b>88.8 (43.8 to 151)</b>	28.6 (-6.61 to 77.7)
11 Congenital defects	11 Age-related hearing loss	<b>66.7 (56 to 78.8)</b>	<b>41.7 (33.4 to 50.1)</b>	0.387 (-0.408 to 1.17)
12 Malaria	12 Depressive disorders	<b>35.4 (28.9 to 41.6)</b>	<b>15.1 (11.8 to 18.9)</b>	<b>3.8 (3.02 to 4.51)</b>
13 Depressive disorders	13 Road injuries	<b>-1.47 (-34.3 to 50.4)</b>	<b>-16.1 (-44.8 to 31.3)</b>	<b>-18.7 (-48.2 to 30.6)</b>
14 Headache disorders	14 Lung cancer	<b>36.9 (3.35 to 74.6)</b>	16.3 (-9.81 to 44.2)	<b>-23.5 (-37.7 to -6.91)</b>
15 Cirrhosis liver	15 Falls	<b>45.1 (32.2 to 59.1)</b>	<b>23.3 (13.3 to 32.7)</b>	<b>-14.9 (-18.6 to -11.5)</b>
16 Lung cancer	16 Hypertensive heart disease	<b>135 (78.8 to 203)</b>	<b>99.8 (49.4 to 167)</b>	22.6 (-12.9 to 68.4)
17 Other musculoskeletal	17 Cirrhosis liver	<b>27.3 (11 to 45.7)</b>	8.27 (-6.41 to 27)	-12 (-24.5 to 4.22)
18 Age-related hearing loss	18 Headache disorders	<b>19.8 (13.8 to 28.9)</b>	1.84 (-1.1 to 8.87)	-0.299 (-0.866 to 0.375)
19 Falls	19 Blindness and vision loss	<b>71.9 (57.2 to 87.2)</b>	<b>46.1 (34.5 to 56.6)</b>	<b>3.69 (1.76 to 5.39)</b>
20 Tuberculosis	20 Diarrheal diseases	-20.2 (-44.3 to 15.3)	<b>-32.1 (-53.2 to -0.585)</b>	<b>-40.9 (-61.1 to -8.07)</b>
22 Alzheimer's disease	25 Congenital defects			
23 Chronic kidney disease	27 Malaria			
27 Blindness and vision loss	32 Tuberculosis			
30 Hypertensive heart disease	172 COVID-19			

### Central Europe, Eastern Europe, and Central Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-18.3 (-41.9 to 14.3)	-14.2 (-40 to 19.3)	<b>-45.4 (-64.3 to -19.6)</b>
2 Stroke	2 Stroke	<b>-21.3 (-33.1 to -8.77)</b>	<b>-17.4 (-29.4 to -3.69)</b>	<b>-44.3 (-54.3 to -32.1)</b>
3 COVID-19	3 Low back pain	2.86 (-3.04 to 10.3)	<b>7.92 (4.53 to 11.4)</b>	<b>-5.11 (-5.43 to -4.75)</b>
4 Low back pain	4 Diabetes	<b>32.5 (22.1 to 44)</b>	<b>39.1 (27.4 to 51.6)</b>	8.92 (-0.909 to 20.2)
5 Cirrhosis liver	5 Alzheimer's disease	<b>95.7 (60.9 to 128)</b>	<b>105 (72.3 to 136)</b>	1.28 (-0.0805 to 2.48)
6 Diabetes	6 Lung cancer	1.18 (-22 to 28.5)	6.08 (-16.5 to 31.8)	-18.5 (-34.8 to 0.694)
7 Lung cancer	7 Cirrhosis liver	-13.1 (-24.6 to 2.69)	-8.74 (-20.5 to 7.56)	-14.2 (-26.2 to 2.02)
8 Lower respiratory infect	8 Age-related hearing loss	<b>29.7 (19.4 to 40.9)</b>	<b>36.1 (27.6 to 44.6)</b>	<b>-0.537 (-0.769 to -0.351)</b>
9 Cardiomyopathy	9 COPD	<b>36.5 (9.45 to 66.2)</b>	<b>43.3 (14.7 to 76.3)</b>	-4.35 (-26.7 to 23.7)
10 Falls	10 Falls	-5.12 (-13.2 to 3.47)	-0.468 (-7.37 to 6.23)	<b>-18 (-22.6 to -13.2)</b>
11 Self-harm	11 Colorectal cancer	14.2 (-19.7 to 54.9)	19.7 (-16.2 to 61.9)	-14.6 (-38.6 to 15.1)
12 Alcohol use disorders	12 Alcohol use disorders	-8.01 (-18.5 to 5.01)	-3.45 (-15.2 to 12.5)	-1.74 (-13.5 to 12.8)
13 Headache disorders	13 Hypertensive heart disease	<b>58.5 (9.37 to 126)</b>	<b>66.5 (15.1 to 132)</b>	7.46 (-29.8 to 59.4)
14 Colorectal cancer	14 Depressive disorders	1.29 (-4.68 to 7.58)	<b>6.26 (2.84 to 9.53)</b>	<b>-1.08 (-1.65 to -0.46)</b>
15 Age-related hearing loss	15 Headache disorders	<b>-7.75 (-12.5 to -1.93)</b>	<b>-3.21 (-5.41 to -0.781)</b>	<b>-1.13 (-3.08 to -0.289)</b>
16 Neonatal disorders	16 Cardiomyopathy	<b>-24 (-32.2 to -14.2)</b>	<b>-20.3 (-28.2 to -12.4)</b>	<b>-28.7 (-36.5 to -20)</b>
17 Depressive disorders	17 Lower respiratory infect	<b>-27.8 (-38.8 to -11.7)</b>	<b>-24.2 (-35.4 to -8.61)</b>	<b>-42.8 (-55.1 to -23.8)</b>
18 Alzheimer's disease	18 Self-harm	<b>-21.5 (-32.1 to -8.09)</b>	<b>-17.6 (-29.9 to -4.59)</b>	-16.2 (-29.2 to 0.0409)
19 Road injuries	19 Road injuries	-15.6 (-43.8 to 27.5)	-11.3 (-39.7 to 31.9)	-11.2 (-42.1 to 36)
20 COPD	20 Osteoarthritis	<b>25.1 (16.3 to 34.3)</b>	<b>31.3 (25.6 to 36.6)</b>	-0.0285 (-0.382 to 0.336)
23 Hypertensive heart disease	25 Neonatal disorders			
25 Osteoarthritis	157 COVID-19			

### High income, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	67.8 (56.5 to 76.4)	62.3 (53.7 to 70.9)	-5.02 (-6.72 to -3.41)
2 Low back pain	2 Diabetes	36 (30.2 to 41.8)	31.6 (25.3 to 37.4)	11.9 (7.25 to 16.5)
3 COVID-19	3 Low back pain	7.76 (4.79 to 10.8)	4.22 (1.96 to 6.48)	-2.07 (-2.3 to -1.83)
4 Stroke	4 Ischemic heart disease	-25.8 (-37.8 to -10.8)	-28.2 (-39.7 to -13.8)	-51.7 (-60.6 to -40.6)
5 Diabetes	5 COPD	36.3 (22 to 51.3)	31.8 (17.8 to 45.8)	-8.72 (-19.5 to 2.36)
6 Alzheimer's disease	6 Stroke	-6.08 (-12.1 to 0.603)	-9.16 (-15.3 to -2)	-33.5 (-39.4 to -27.3)
7 Lung cancer	7 Lung cancer	8.27 (-5.73 to 23.1)	4.71 (-8.48 to 20)	-17.6 (-27.2 to -8)
8 COPD	8 Other musculoskeletal	26.2 (22 to 30.4)	22.1 (19.6 to 24.7)	19.7 (18.9 to 20.6)
9 Falls	9 Falls	24.8 (19.1 to 31.3)	20.7 (15.4 to 26.5)	-11.5 (-13.8 to -8.89)
10 Other musculoskeletal	10 Chronic kidney disease	110 (81.6 to 139)	103 (75.4 to 132)	29.2 (9.75 to 52.8)
11 Drug use disorders	11 Drug use disorders	27.7 (15.8 to 39.2)	23.5 (13 to 34.8)	28 (16.8 to 39.8)
12 Depressive disorders	12 Age-related hearing loss	32.2 (27.8 to 37.5)	27.8 (23.5 to 32.6)	0.0685 (-0.243 to 0.367)
13 Headache disorders	13 Colorectal cancer	24.7 (3.2 to 49.5)	20.5 (0.203 to 44.2)	-10.6 (-25.3 to 5.74)
14 Age-related hearing loss	14 Depressive disorders	4.1 (0.86 to 7.79)	0.674 (-0.403 to 2.23)	0.705 (0.435 to 1.01)
15 Anxiety disorders	15 Lower respiratory infect	41.1 (30.1 to 51.1)	36.4 (26.3 to 46.1)	-16.1 (-22.8 to -9.15)
16 Colorectal cancer	16 Headache disorders	0.895 (-2.36 to 4.54)	-2.42 (-3.74 to 0.492)	0.555 (-0.193 to 1.08)
17 Self-harm	17 Anxiety disorders	3.63 (0.295 to 7.53)	0.217 (-1.26 to 1.75)	1.87 (1.57 to 2.2)
18 Lower respiratory infect	18 Osteoarthritis	23 (19.6 to 26.9)	19 (16.1 to 21.9)	1.01 (0.801 to 1.27)
19 Osteoarthritis	19 Pancreatic cancer	57 (31.9 to 85.2)	51.9 (28.8 to 79.2)	19.5 (2.83 to 38)
20 Chronic kidney disease	20 Hypertensive heart disease	75.8 (50.2 to 105)	70.1 (43.7 to 98.4)	21 (1.43 to 45.3)
24 Pancreatic cancer	24 Self-harm			
30 Hypertensive heart disease	156 COVID-19			

### Latin America and Caribbean, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	94.3 (72.4 to 116)	73.6 (52.9 to 97.4)	12.4 (-0.846 to 28.6)
2 COVID-19	2 Ischemic heart disease	22.8 (-24.7 to 91)	9.95 (-32.9 to 78.5)	-37.4 (-63.2 to 5.63)
3 Diabetes	3 Chronic kidney disease	121 (54.5 to 199)	97.5 (39 to 174)	21.7 (-18.5 to 78.4)
4 Interpersonal violence	4 Other musculoskeletal	86.1 (72.7 to 100)	66.2 (58.5 to 75)	37.2 (34.6 to 40)
5 Neonatal disorders	5 Stroke	19 (-5.99 to 47.6)	6.41 (-17.2 to 38.3)	-37.4 (-53.2 to -16.3)
6 Stroke	6 Low back pain	31.9 (22.1 to 40.9)	17.8 (13.2 to 22.6)	-4.12 (-4.37 to -3.86)
7 Lower respiratory infect	7 Lower respiratory infect	19.7 (-0.897 to 38.9)	6.98 (-10.5 to 26.9)	-37.2 (-48.7 to -22.3)
8 Low back pain	8 Alzheimer's disease	170 (126 to 209)	141 (107 to 172)	-2.23 (-3.94 to -0.544)
9 Road injuries	9 Interpersonal violence	-32 (-61.4 to 16.3)	-39.4 (-63.2 to 2.84)	-33.2 (-61.6 to 14.9)
10 Chronic kidney disease	10 COPD	87.5 (43.7 to 135)	67.6 (27.6 to 118)	-17 (-40.7 to 15.1)
11 Other musculoskeletal	11 Road injuries	1.18 (-34.6 to 56.5)	-9.44 (-42.4 to 44.4)	-10.1 (-43.2 to 45)
12 Anxiety disorders	12 Cirrhosis liver	36.6 (21.8 to 51.7)	22 (9.72 to 37.7)	-8.63 (-19.5 to 3.71)
13 Headache disorders	13 Age-related hearing loss	79.7 (61.7 to 96.1)	60.4 (50.2 to 70.8)	-1.04 (-1.18 to -0.89)
14 Congenital defects	14 Depressive disorders	24.2 (15.1 to 33.6)	10.9 (7.41 to 15.5)	-2.43 (-2.73 to -2.13)
15 Cirrhosis liver	15 Anxiety disorders	14.7 (6.29 to 23.2)	2.38 (-1.32 to 7.13)	-0.319 (-0.865 to 0.279)
16 Depressive disorders	16 Falls	52.1 (35.5 to 68.2)	35.8 (23.4 to 47)	-6.84 (-12.4 to -1.1)
17 COPD	17 Neonatal disorders	-39.2 (-50.5 to -26.3)	-45.6 (-55.6 to -33.1)	-27.9 (-41.7 to -10.1)
18 Falls	18 Headache disorders	10.9 (1.47 to 23.8)	-0.985 (-5.43 to 11.6)	-0.0452 (-0.499 to 0.511)
19 Age-related hearing loss	19 Blindness and vision loss	69.1 (52.5 to 83.3)	50.9 (39.2 to 61.1)	-4.34 (-4.61 to -4.07)
20 Oral disorders	20 Oral disorders	61.2 (46.6 to 73.3)	43.9 (35.4 to 52)	0.614 (0.253 to 0.973)
21 Alzheimer's disease	30 Congenital defects			
22 Blindness and vision loss	165 COVID-19			



### North Africa and Middle East, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	47 (-1.31 to 124)	8.8 (-29.3 to 67.4)	-41.5 (-63.3 to -6.12)
2 Neonatal disorders	2 Diabetes	227 (199 to 256)	142 (119 to 169)	41.7 (27.9 to 58.6)
3 Stroke	3 Stroke	47.6 (16.5 to 86.6)	9.19 (-13.9 to 41.2)	-43.1 (-56.4 to -22.1)
4 Congenital defects	4 Chronic kidney disease	219 (134 to 327)	136 (71.6 to 223)	28.1 (-9.1 to 87.5)
5 Road injuries	5 Low back pain	61.1 (50.4 to 71.2)	19 (13.4 to 24.9)	-5.17 (-5.46 to -4.91)
6 Diabetes	6 Hypertensive heart disease	207 (126 to 312)	127 (66.5 to 209)	8.27 (-26.5 to 58.5)
7 COVID-19	7 Road injuries	12.5 (-27.9 to 77.1)	-16.8 (-47.4 to 34.4)	-22.2 (-51.8 to 26)
8 Low back pain	8 Depressive disorders	44.8 (35.6 to 55.5)	6.93 (2.67 to 12.3)	-2.32 (-2.96 to -1.65)
9 Depressive disorders	9 Other musculoskeletal	157 (138 to 176)	90 (77.5 to 102)	54.2 (51 to 57.2)
10 Lower respiratory infect	10 Neonatal disorders	-34 (-50.4 to -12.1)	-51.2 (-62.4 to -35.4)	-37.3 (-52.4 to -15.4)
11 Conflict & terror	11 COPD	140 (84.2 to 209)	77.9 (38 to 135)	-12.7 (-37.5 to 23.5)
12 Headache disorders	12 Alzheimer's disease	281 (211 to 345)	181 (136 to 227)	5.76 (4.12 to 7.55)
13 Anxiety disorders	13 Headache disorders	39.6 (30 to 51.5)	3.15 (-0.804 to 10.3)	0.69 (-0.0384 to 1.21)
14 Chronic kidney disease	14 Conflict & terror	60.1 (-59.4 to 350)	18.5 (-69.8 to 235)	21.5 (-68.9 to 251)
15 Gynecological diseases	15 Age-related hearing loss	122 (99.9 to 142)	63.8 (51.2 to 77.2)	-1.77 (-2.03 to -1.51)
16 Hypertensive heart disease	16 Anxiety disorders	36 (26.2 to 45.5)	0.448 (-3.83 to 5.36)	0.213 (-0.49 to 0.826)
17 Cirrhosis liver	17 Lower respiratory infect	2.15 (-14.2 to 21.9)	-24.5 (-36.6 to -7.31)	-42 (-53.8 to -25.3)
18 Other musculoskeletal	18 Congenital defects	-31.3 (-43.5 to -20.5)	-49.3 (-56.3 to -41.5)	-31.7 (-38.6 to -22.9)
19 COPD	19 Cirrhosis liver	57.3 (38.3 to 77.2)	16.3 (0.994 to 34.2)	-30.7 (-39.8 to -17.9)
20 Age-related hearing loss	20 Blindness and vision loss	124 (101 to 145)	65.2 (49.6 to 79.4)	-3.32 (-3.95 to -2.67)
25 Blindness and vision loss	22 Gynecological diseases			
27 Alzheimer's disease	167 COVID-19			

### South Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Ischemic heart disease	1.4 (-39.9 to 57.8)	-9.19 (-46.1 to 46.7)	<b>-51.5 (-73.2 to -15.8)</b>
2 Ischemic heart disease	2 COPD	<b>64.3 (19.9 to 112)</b>	<b>47 (9.5 to 99.4)</b>	-32.2 (-52.7 to 0.761)
3 COPD	3 Diabetes	<b>107 (80 to 135)</b>	<b>84.5 (62.3 to 113)</b>	3.49 (-10.3 to 24.5)
4 Lower respiratory infect	4 Other musculoskeletal	<b>154 (126 to 182)</b>	<b>127 (114 to 140)</b>	<b>67.5 (64 to 71.3)</b>
5 Stroke	5 Stroke	18.7 (-7.69 to 48.6)	6.13 (-16.5 to 38.6)	<b>-45.4 (-59.5 to -27)</b>
6 Diarrheal diseases	6 Neonatal disorders	<b>-54.8 (-63.6 to -44.5)</b>	<b>-59.6 (-66.4 to -50.8)</b>	<b>-35.5 (-45.6 to -22.3)</b>
7 Diabetes	7 Falls	<b>72.3 (39 to 106)</b>	<b>53.7 (32.2 to 73.5)</b>	<b>-12.7 (-20.2 to -4.75)</b>
8 Tuberculosis	8 Low back pain	<b>49.3 (32.9 to 66.3)</b>	<b>33.3 (25.9 to 40.9)</b>	<b>-5.8 (-6.14 to -5.44)</b>
9 Dietary iron deficiency	9 Blindness and vision loss	<b>88.2 (62.7 to 117)</b>	<b>68 (53.6 to 82.9)</b>	<b>-6.79 (-7.1 to -6.45)</b>
10 Other musculoskeletal	10 Depressive disorders	<b>38.1 (22.4 to 55.2)</b>	<b>23.3 (17.8 to 30.6)</b>	<b>-4.05 (-4.45 to -3.61)</b>
11 Road injuries	11 Age-related hearing loss	<b>83.3 (59 to 109)</b>	<b>63.6 (51.3 to 76.7)</b>	<b>-1.74 (-1.91 to -1.57)</b>
12 Low back pain	12 Cirrhosis liver	<b>28.2 (3.31 to 57.4)</b>	14.6 (-7.56 to 42.9)	<b>-21.1 (-37.1 to -1.04)</b>
13 Cirrhosis liver	13 Lower respiratory infect	<b>-41 (-52.5 to -27.2)</b>	<b>-47.3 (-56.6 to -35.9)</b>	<b>-57.5 (-65.7 to -46.2)</b>
14 Depressive disorders	14 Diarrheal diseases	-16.8 (-41.6 to 16.7)	-25.6 (-49.3 to 8.23)	<b>-51.2 (-69.9 to -22.2)</b>
15 COVID-19	15 Dietary iron deficiency	-0.56 (-12.1 to 12.3)	<b>-11.3 (-13.4 to -9.18)</b>	<b>-13.7 (-14.8 to -12.6)</b>
16 Falls	16 Road injuries	-4.34 (-40.9 to 45.2)	-14.4 (-45.8 to 36.8)	-23.1 (-52.9 to 25.6)
17 Self-harm	17 Headache disorders	<b>20.4 (6.48 to 41.7)</b>	<b>7.43 (1.56 to 23.8)</b>	0.422 (-0.117 to 0.668)
18 Headache disorders	18 Chronic kidney disease	<b>104 (41.2 to 185)</b>	<b>82.4 (26.2 to 164)</b>	4.93 (-32 to 59)
19 Congenital defects	19 Self-harm	-9.2 (-31.1 to 16.1)	-18.9 (-37.9 to 6.93)	-20.3 (-40.2 to 6.49)
20 Blindness and vision loss	20 Alzheimer's disease	<b>196 (127 to 272)</b>	<b>164 (114 to 214)</b>	<b>-5.84 (-9.4 to -2.54)</b>
21 Age-related hearing loss	22 Tuberculosis			
25 Chronic kidney disease	30 Congenital defects			
38 Alzheimer's disease	166 COVID-19			

### Southeast Asia, East Asia, and Oceania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	7.42 (-9.3 to 28.7)	11.9 (-3.77 to 35.6)	<b>-41.5 (-50.7 to -28.6)</b>
2 Ischemic heart disease	2 COPD	<b>84.5 (47.2 to 122)</b>	<b>92.2 (54 to 138)</b>	-18 (-35.7 to 8.95)
3 COPD	3 Ischemic heart disease	-8.65 (-33.7 to 23.2)	-4.81 (-29.6 to 29.7)	<b>-52 (-66 to -31.3)</b>
4 Lung cancer	4 Diabetes	<b>75.9 (58.4 to 92.6)</b>	<b>83.1 (66.4 to 99.8)</b>	<b>25.2 (13.7 to 36.3)</b>
5 Diabetes	5 Alzheimer's disease	<b>179 (136 to 230)</b>	<b>190 (153 to 234)</b>	-0.379 (-3.61 to 2.41)
6 Road injuries	6 Lung cancer	<b>40.2 (4.26 to 81.4)</b>	<b>45.7 (10.8 to 85.8)</b>	-14.8 (-31.8 to 4.86)
7 Age-related hearing loss	7 Age-related hearing loss	<b>50.5 (37.5 to 65.2)</b>	<b>56.6 (46.3 to 66.4)</b>	<b>-0.87 (-1.23 to -0.558)</b>
8 Low back pain	8 Hypertensive heart disease	<b>137 (74.2 to 206)</b>	<b>146 (80 to 238)</b>	17.8 (-18 to 62.9)
9 Neonatal disorders	9 Other musculoskeletal	<b>66.3 (54.6 to 79.5)</b>	<b>73.1 (63.8 to 81.9)</b>	<b>54.4 (52 to 56.6)</b>
10 Headache disorders	10 Low back pain	<b>17.9 (10 to 27.1)</b>	<b>22.7 (17.2 to 28.1)</b>	<b>-3.43 (-3.73 to -3.06)</b>
11 Alzheimer's disease	11 Chronic kidney disease	<b>85.5 (43.6 to 135)</b>	<b>93.2 (51.7 to 150)</b>	20.6 (-8.45 to 61.1)
12 Lower respiratory infect	12 Colorectal cancer	<b>72.9 (23 to 131)</b>	<b>79.7 (31.4 to 137)</b>	8.97 (-18.8 to 39.8)
13 Stomach cancer	13 Road injuries	-21.2 (-43.4 to 15.3)	-17.8 (-42.2 to 21)	-17.6 (-43.5 to 23.2)
14 Other musculoskeletal	14 Falls	<b>29.2 (14.5 to 46.7)</b>	<b>34.5 (21.4 to 49.9)</b>	<b>-18.4 (-23.1 to -13.3)</b>
15 Falls	15 Lower respiratory infect	<b>15.2 (0.676 to 30)</b>	<b>19.9 (7.02 to 33)</b>	<b>-42.8 (-50.2 to -33.3)</b>
16 Depressive disorders	16 Cirrhosis liver	<b>19.3 (1.9 to 39)</b>	<b>24.2 (6.8 to 48)</b>	-2.29 (-16 to 16.3)
17 Cirrhosis liver	17 Blindness and vision loss	<b>46.7 (30.8 to 63)</b>	<b>52.6 (37.9 to 64.6)</b>	<b>-4.18 (-5.18 to -3.39)</b>
18 Chronic kidney disease	18 Depressive disorders	<b>10.4 (3.6 to 18.5)</b>	<b>14.9 (10.7 to 19.6)</b>	<b>-2.22 (-2.78 to -1.61)</b>
19 Colorectal cancer	19 Headache disorders	-3.16 (-9.49 to 3.72)	0.793 (-3.3 to 6.89)	<b>2.66 (0.607 to 4.22)</b>
20 Hypertensive heart disease	20 Stomach cancer	-8.88 (-19.2 to 3.15)	-5.19 (-15.3 to 5.44)	<b>-42.9 (-47 to -38.5)</b>
22 Blindness and vision loss	26 Neonatal disorders			

### Sub-Saharan Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-23.3 (-38.8 to -5.55)	-57.9 (-65.8 to -47.8)	-37.8 (-48.4 to -24)
2 Malaria	2 Lower respiratory infect	-19.3 (-31.6 to -5.55)	-55.7 (-62.6 to -48)	-45.8 (-53.4 to -36.2)
3 Lower respiratory infect	3 Malaria	-33.3 (-79.8 to 145)	-63.4 (-88.8 to 36.7)	-56.4 (-86.4 to 62)
4 Diarrheal diseases	4 Diarrheal diseases	-26.1 (-49.5 to 10.2)	-59.4 (-72.4 to -40.2)	-50.3 (-65.3 to -26.3)
5 HIV/AIDS	5 Stroke	62 (38.3 to 89.9)	-11 (-25.4 to 6.5)	-44.6 (-53.3 to -33.1)
6 Congenital defects	6 Diabetes	167 (135 to 202)	46.8 (25.7 to 71.1)	-7.28 (-19.6 to 6.91)
7 Tuberculosis	7 Congenital defects	-16.8 (-30.8 to -1.18)	-54.3 (-60.6 to -46.8)	-35.5 (-42 to -25)
8 Stroke	8 Depressive disorders	120 (109 to 133)	20.8 (15.7 to 26.3)	-2.85 (-3.19 to -2.53)
9 COVID-19	9 Road injuries	25.5 (-25.5 to 116)	-31 (-59.8 to 17.8)	-36 (-61.6 to 7.38)
10 Road injuries	10 Ischemic heart disease	63.8 (16.5 to 128)	-9.92 (-37 to 27.8)	-45.5 (-62 to -22.4)
11 Meningitis	11 Chronic kidney disease	170 (107 to 248)	48.5 (14.2 to 92.9)	8.5 (-17.5 to 42.1)
12 Ischemic heart disease	12 Low back pain	126 (114 to 138)	24 (18.1 to 29.8)	-6.13 (-6.33 to -5.95)
13 Diabetes	13 Other musculoskeletal	379 (352 to 407)	163 (147 to 178)	94.6 (90.1 to 98.4)
14 Dietary iron deficiency	14 Cirrhosis liver	67.5 (44.8 to 94.4)	-7.93 (-22.5 to 10.1)	-33.3 (-42.8 to -21.1)
15 Pertussis	15 Tuberculosis	-31 (-54.1 to 4.03)	-62 (-74.5 to -42.1)	-68.6 (-78.4 to -53.5)
16 Depressive disorders	16 Headache disorders	109 (94.8 to 126)	15 (10.3 to 23.4)	0.779 (0.0505 to 1.37)
17 Cirrhosis liver	17 Dietary iron deficiency	37.3 (25.5 to 48.8)	-24.7 (-26.1 to -23.2)	-18.1 (-18.8 to -17.4)
18 Measles	18 HIV/AIDS	-65.6 (-70.5 to -59.9)	-81.1 (-83.8 to -78)	-83.2 (-85.3 to -81.1)
19 Maternal disorders	19 Hypertensive heart disease	174 (118 to 244)	50.8 (17.9 to 91.9)	-12 (-32.2 to 12.8)
20 Protein-energy malnutrition	20 Age-related hearing loss	148 (132 to 165)	36.3 (27.2 to 44)	-1.03 (-1.37 to -0.631)
21 Low back pain	27 Meningitis			
23 Chronic kidney disease	31 Pertussis			
24 Headache disorders	34 Maternal disorders			
32 Age-related hearing loss	48 Protein-energy malnutrition			
35 Hypertensive heart disease	100 Measles			
37 Other musculoskeletal	170 COVID-19			

### Central Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	47.4 (-3 to 120)	17.8 (-23.6 to 72)	<b>-38 (-63.2 to -1.44)</b>
2 COVID-19	2 Stroke	<b>30.8 (4.58 to 62.3)</b>	4.45 (-14.8 to 28.5)	<b>-41.6 (-55.1 to -23.2)</b>
3 Stroke	3 Diabetes	<b>83.2 (56.9 to 119)</b>	<b>46.3 (27 to 68.7)</b>	2.68 (-10.9 to 22.4)
4 Lower respiratory infect	4 Low back pain	<b>47.2 (31.6 to 62.9)</b>	<b>17.5 (12.8 to 22.8)</b>	<b>-3.9 (-4.14 to -3.66)</b>
5 Neonatal disorders	5 Cirrhosis liver	<b>31.7 (6.67 to 64.4)</b>	5.23 (-13.9 to 28.5)	-14 (-30.3 to 7.97)
6 Low back pain	6 Neonatal disorders	-24.5 (-51.1 to 19.9)	<b>-39.7 (-58.6 to -6.56)</b>	-23.9 (-47.9 to 15.1)
7 Cirrhosis liver	7 Lower respiratory infect	<b>-44.1 (-57.9 to -26.5)</b>	<b>-55.4 (-65.2 to -39.3)</b>	<b>-54.1 (-65.6 to -35)</b>
8 Diabetes	8 COPD	<b>108 (55.7 to 174)</b>	<b>65.9 (26.3 to 115)</b>	-9.26 (-35.8 to 28.2)
9 Congenital defects	9 Alzheimer's disease	<b>236 (157 to 321)</b>	<b>168 (111 to 228)</b>	<b>1.39 (0.219 to 2.61)</b>
10 Road injuries	10 Depressive disorders	<b>40.7 (25.4 to 56.1)</b>	<b>12.3 (8.19 to 17.4)</b>	<b>-2.26 (-2.76 to -1.84)</b>
11 Headache disorders	11 Age-related hearing loss	<b>92.4 (67.8 to 118)</b>	<b>53.5 (41.1 to 67.3)</b>	<b>-0.569 (-0.812 to -0.333)</b>
12 Dietary iron deficiency	12 Headache disorders	<b>26.5 (12.5 to 42)</b>	0.945 (-2.25 to 6.4)	<b>-0.238 (-0.433 to -0.0437)</b>
13 Depressive disorders	13 Hypertensive heart disease	<b>123 (39.9 to 239)</b>	<b>78.6 (12.6 to 163)</b>	-4.15 (-44.2 to 54.4)
14 Self-harm	14 Chronic kidney disease	<b>110 (30.6 to 232)</b>	<b>67.5 (3.79 to 157)</b>	19.2 (-30.3 to 100)
15 COPD	15 Road injuries	6.49 (-39.2 to 92.4)	-14.9 (-51.2 to 50.1)	-14.9 (-51.8 to 51.8)
16 Cardiomyopathy	16 Dietary iron deficiency	6.55 (-4.83 to 19.6)	<b>-15 (-16.4 to -13.4)</b>	<b>-8.59 (-9.67 to -7.54)</b>
17 Age-related hearing loss	17 Self-harm	6.54 (-17.5 to 38.8)	-14.9 (-33.6 to 8.71)	-14.1 (-33.5 to 9.82)
18 Falls	18 Lung cancer	<b>56.9 (6.49 to 117)</b>	25.1 (-12.6 to 67.1)	-16.3 (-40.7 to 13)
19 Alcohol use disorders	19 Alcohol use disorders	<b>27.8 (11.2 to 50.8)</b>	2.05 (-7.64 to 15.6)	-0.351 (-9.77 to 13.2)
20 Gynecological diseases	20 Blindness and vision loss	<b>94.2 (66.6 to 120)</b>	<b>55 (40.7 to 68.8)</b>	<b>-3.9 (-4.15 to -3.67)</b>
21 Lung cancer	22 Falls			
22 Chronic kidney disease	23 Congenital defects			
23 Hypertensive heart disease	25 Cardiomyopathy			
27 Blindness and vision loss	29 Gynecological diseases			
30 Alzheimer's disease	157 COVID-19			

### Central Europe, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-35 (-50.4 to -14.4)</b>	-21.1 (-40.7 to 2.19)	<b>-52.3 (-65.2 to -33.9)</b>
2 Stroke	2 Stroke	<b>-33.3 (-41.3 to -23.9)</b>	<b>-19.1 (-28.7 to -7.98)</b>	<b>-47.5 (-54.6 to -38.7)</b>
3 COVID-19	3 Low back pain	<b>-10.5 (-15.1 to -5.05)</b>	<b>8.52 (5.15 to 11.8)</b>	<b>-2.19 (-2.35 to -2.06)</b>
4 Low back pain	4 Lung cancer	1.24 (-18.3 to 22.1)	22.8 (-0.581 to 48.1)	-7.01 (-24 to 11.1)
5 Lung cancer	5 Diabetes	<b>14.7 (7.58 to 23.6)</b>	<b>39.2 (30.4 to 48.3)</b>	6.23 (-1.18 to 13.6)
6 Diabetes	6 Alzheimer's disease	<b>64.3 (43.4 to 82.1)</b>	<b>99.2 (76.6 to 121)</b>	<b>1.31 (0.259 to 2.43)</b>
7 Colorectal cancer	7 Hypertensive heart disease	37.4 (-0.801 to 87.7)	<b>66.7 (20.9 to 127)</b>	3.84 (-27.4 to 46.8)
8 Falls	8 Colorectal cancer	12.3 (-17.9 to 49)	36.1 (-1.6 to 78.3)	-4.63 (-30 to 22.8)
9 Cirrhosis liver	9 Falls	-2.02 (-10.3 to 5.86)	<b>18.8 (10.1 to 26.8)</b>	<b>-13.3 (-17.7 to -8.56)</b>
10 Hypertensive heart disease	10 COPD	12 (-10.3 to 34.4)	<b>35.8 (10.3 to 61.3)</b>	-10.2 (-28.6 to 10.2)
11 Alzheimer's disease	11 Age-related hearing loss	<b>12.2 (3.89 to 19.9)</b>	<b>36.1 (29.8 to 42.1)</b>	<b>-0.446 (-0.547 to -0.33)</b>
12 COPD	12 Cirrhosis liver	<b>-22.3 (-31.7 to -11.6)</b>	-5.7 (-16.8 to 6.71)	<b>-14.1 (-24.5 to -2.15)</b>
13 Age-related hearing loss	13 Lower respiratory infect	-4.69 (-16.3 to 6.69)	15.6 (-0.149 to 30.7)	<b>-29.7 (-39.3 to -19.6)</b>
14 Lower respiratory infect	14 Pancreatic cancer	<b>39.6 (4.26 to 80.9)</b>	<b>69.3 (28.1 to 118)</b>	25.5 (-4.15 to 60.8)
15 Headache disorders	15 Breast cancer	-1.56 (-19.8 to 19.6)	19.4 (-2.72 to 42.9)	-10.6 (-26.8 to 5.98)
16 Depressive disorders	16 Headache disorders	<b>-20.3 (-25.1 to -15.5)</b>	-3.37 (-6.16 to 0.954)	0.114 (-0.0423 to 0.259)
17 Alcohol use disorders	17 Oral disorders	2.05 (-4.29 to 8.66)	<b>23.8 (18 to 29.3)</b>	<b>0.473 (0.293 to 0.633)</b>
18 Breast cancer	18 Chronic kidney disease	<b>46.3 (10.8 to 85.3)</b>	<b>77.5 (33.9 to 125)</b>	12.7 (-17 to 49.4)
19 Self-harm	19 Osteoarthritis	<b>9.32 (2.65 to 15)</b>	<b>32.6 (28.1 to 37.3)</b>	<b>1.23 (0.964 to 1.51)</b>
20 Cardiomyopathy	20 Depressive disorders	<b>-13.2 (-19.3 to -8.4)</b>	<b>5.24 (2.4 to 8.27)</b>	<b>-1.75 (-2.18 to -1.35)</b>
21 Oral disorders	21 Cardiomyopathy			
23 Osteoarthritis	23 Alcohol use disorders			
26 Pancreatic cancer	26 Self-harm			
29 Chronic kidney disease	153 COVID-19			

### Eastern Europe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	-27.7 (-49.5 to -2.46)	-18 (-42.9 to 12.3)	-49.4 (-66.9 to -26.9)
2 Stroke	2 Stroke	-29 (-42.8 to -17.2)	-19.5 (-32.1 to -7.49)	-46.7 (-56 to -36.1)
3 COVID-19	3 Low back pain	-0.828 (-10.8 to 10.3)	12.3 (8.73 to 16.3)	-3.06 (-3.39 to -2.77)
4 Low back pain	4 Alzheimer's disease	92.8 (54.3 to 137)	118 (77.8 to 154)	1.63 (-0.806 to 3.57)
5 Cirrhosis liver	5 Diabetes	25.1 (9.88 to 39.3)	41.7 (30.1 to 53.6)	8.65 (-0.441 to 18.8)
6 Cardiomyopathy	6 Age-related hearing loss	23.6 (9.38 to 41.9)	39.9 (30.2 to 48.9)	-0.259 (-0.427 to -0.128)
7 Self-harm	7 Cirrhosis liver	-26.5 (-37.6 to -12.6)	-16.7 (-27.7 to -2.03)	-19.3 (-31.2 to -4.23)
8 Alcohol use disorders	8 Alcohol use disorders	-10.9 (-26 to 7.64)	0.872 (-15 to 22.8)	2.68 (-11.9 to 22.2)
9 Diabetes	9 Lung cancer	-8.54 (-32.5 to 21.9)	3.38 (-20.7 to 30.9)	-19.9 (-37.7 to 1.58)
10 Lung cancer	10 Falls	-11.3 (-22.8 to 3.17)	0.343 (-8.63 to 10.1)	-15.5 (-23 to -7.97)
11 Falls	11 Colorectal cancer	8.58 (-27 to 54.3)	22.7 (-15 to 67.4)	-12.6 (-37.2 to 18.9)
12 Headache disorders	12 Cardiomyopathy	-33.7 (-45.4 to -21)	-24.9 (-35.8 to -13.3)	-27.6 (-38.3 to -14.6)
13 Depressive disorders	13 Self-harm	-25.1 (-38.1 to -9.17)	-15.1 (-27.9 to 1.03)	-14.7 (-29 to 4.12)
14 Colorectal cancer	14 COPD	31.1 (-0.168 to 63.1)	48.4 (14.8 to 84.5)	-3.07 (-26.4 to 25.5)
15 Age-related hearing loss	15 Depressive disorders	-6.51 (-15.3 to 4.15)	5.83 (2.41 to 9.23)	-2.27 (-2.56 to -1.98)
16 HIV/AIDS	16 Headache disorders	-13.4 (-22 to -4.26)	-2.01 (-4.75 to 1.47)	-0.0797 (-0.479 to 0.297)
17 Alzheimer's disease	17 Road injuries	-19.7 (-44 to 10.7)	-8.95 (-36.3 to 27.1)	-9.09 (-39.3 to 26.7)
18 Road injuries	18 Osteoarthritis	17.2 (4.54 to 32.6)	32.7 (26 to 38.8)	0.204 (-0.263 to 0.576)
19 Interpersonal violence	19 Blindness and vision loss	18.2 (4.07 to 34.6)	33.8 (24.4 to 43.9)	-1.22 (-1.79 to -0.629)
20 COPD	20 Oral disorders	9.24 (-3.03 to 22.9)	23.6 (17.3 to 30.3)	-0.0124 (-0.234 to 0.228)
24 Oral disorders	21 HIV/AIDS			
26 Osteoarthritis	33 Interpersonal violence			
27 Blindness and vision loss	154 COVID-19			

### Australasia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Low back pain	1 Low back pain	37.9 (30.5 to 44.6)	3.01 (0.0809 to 5.53)	-2.64 (-2.77 to -2.53)
2 Ischemic heart disease	2 Alzheimer's disease	110 (92.1 to 131)	56.9 (45.8 to 70)	-4.38 (-7.71 to -0.688)
3 Falls	3 Diabetes	102 (87.3 to 118)	51.3 (41.1 to 62.4)	29.9 (21.6 to 37.7)
4 Depressive disorders	4 Falls	52.9 (40 to 67.1)	14.3 (6.96 to 22.9)	-14.6 (-20 to -9.44)
5 Alzheimer's disease	5 Ischemic heart disease	0.653 (-18.3 to 27)	-24.8 (-38.8 to -5.77)	-50.9 (-60.9 to -37.3)
6 Other musculoskeletal	6 Other musculoskeletal	72.5 (63.3 to 82.8)	28.9 (24.8 to 32.9)	25.7 (24.2 to 27.2)
7 Lung cancer	7 COPD	61.8 (38.5 to 88.6)	20.9 (2.66 to 41.6)	-14.4 (-27.3 to 3.51)
8 Stroke	8 Depressive disorders	32.8 (26 to 39.9)	-0.787 (-1.97 to 0.548)	-1.47 (-1.7 to -1.22)
9 Diabetes	9 Lung cancer	35 (12.4 to 60.2)	0.856 (-15.4 to 18.9)	-18 (-31.4 to -5.46)
10 Anxiety disorders	10 Age-related hearing loss	62.6 (51.6 to 73.3)	21.5 (16.5 to 27.3)	-0.734 (-0.832 to -0.654)
11 COVID-19	11 Stroke	23.9 (11.2 to 38.2)	-7.38 (-16 to 3.54)	-33.8 (-41.1 to -25.3)
12 COPD	12 Anxiety disorders	33 (26 to 40.5)	-0.645 (-2 to 0.762)	0.151 (-0.151 to 0.396)
13 Age-related hearing loss	13 Colorectal cancer	60.4 (27.6 to 99.8)	19.8 (-4.67 to 45.8)	-8.91 (-27.1 to 10.9)
14 Headache disorders	14 Headache disorders	34 (27.4 to 40.9)	0.107 (-1.53 to 2.71)	-0.0329 (-0.202 to 0.134)
15 Self-harm	15 Chronic kidney disease	171 (123 to 235)	102 (67.8 to 150)	23.8 (-0.203 to 58.9)
16 Colorectal cancer	16 Osteoarthritis	55.8 (46.9 to 64.5)	16.4 (12.2 to 20.5)	2.17 (1.98 to 2.41)
17 Drug use disorders	17 Drug use disorders	51.6 (37 to 65.7)	13.3 (3.03 to 23.5)	12.9 (3.1 to 22.2)
18 Osteoarthritis	18 Atrial fibrillation	133 (109 to 155)	74 (58.3 to 88.5)	11 (4.07 to 17)
19 Oral disorders	19 Oral disorders	48.8 (40.8 to 56.9)	11.2 (7.09 to 14.5)	0.58 (0.416 to 0.729)
20 Road injuries	20 Self-harm	8.75 (-4.86 to 23.9)	-18.7 (-29.3 to -6.54)	-19.2 (-30.4 to -5.62)
27 Atrial fibrillation	26 Road injuries			
31 Chronic kidney disease	155 COVID-19			



### High-income Asia Pacific, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Alzheimer's disease	48.9 (37.6 to 61.5)	67.9 (56.9 to 77.9)	-12.2 (-15.2 to -9.13)
2 Alzheimer's disease	2 Diabetes	29 (21.4 to 36.9)	45.5 (39.7 to 50.7)	17.6 (14.1 to 20.4)
3 Low back pain	3 Stroke	-13.6 (-21.4 to -4.09)	-2.57 (-10.4 to 6.84)	-33.6 (-39.5 to -26.5)
4 Diabetes	4 Low back pain	-7.56 (-13.2 to -2.01)	4.24 (1.31 to 7.64)	-2.5 (-2.74 to -2.29)
5 Ischemic heart disease	5 Other musculoskeletal	9.6 (3.11 to 17.2)	23.6 (18.9 to 28.2)	20.5 (19.5 to 21.4)
6 Other musculoskeletal	6 Lung cancer	8.74 (-7.81 to 27.4)	22.6 (4.55 to 41.3)	-21.2 (-31.8 to -9.89)
7 Lung cancer	7 Lower respiratory infect	42.5 (26.9 to 59.3)	60.7 (44.4 to 76.9)	-17.2 (-25.5 to -8.66)
8 Lower respiratory infect	8 Age-related hearing loss	22.2 (14.9 to 30.1)	37.9 (32.2 to 44.2)	-0.606 (-1.06 to -0.155)
9 Colorectal cancer	9 Colorectal cancer	17.7 (-4.16 to 44.6)	32.8 (8.7 to 60.7)	-12.5 (-29.2 to 5.66)
10 Age-related hearing loss	10 Chronic kidney disease	93.1 (58.1 to 129)	118 (78.9 to 160)	15.4 (-3.92 to 40.4)
11 Falls	11 Falls	11.3 (1.08 to 21.1)	25.5 (16 to 34.7)	-17 (-22.2 to -11.5)
12 Self-harm	12 Ischemic heart disease	-34.6 (-46.7 to -20.1)	-26.3 (-39.6 to -9.59)	-55.9 (-64.8 to -44.9)
13 Osteoarthritis	13 Osteoarthritis	13.2 (7.25 to 19.7)	27.7 (24.3 to 31)	1 (0.748 to 1.29)
14 Stomach cancer	14 COPD	43.5 (24.6 to 63.4)	61.9 (42.8 to 83.3)	-9.33 (-21.2 to 2.58)
15 COVID-19	15 Pancreatic cancer	42.8 (15.8 to 72.7)	61 (32.4 to 89.8)	12.6 (-6.25 to 31.8)
16 COPD	16 Liver cancer	43.1 (26.5 to 62.4)	61.4 (43.8 to 79.8)	18.3 (5.75 to 32)
17 Headache disorders	17 Stomach cancer	-19.6 (-26.6 to -12.6)	-9.31 (-15.8 to -2.39)	-41.8 (-45 to -38.4)
18 Pancreatic cancer	18 Self-harm	-28.9 (-36 to -21.7)	-19.8 (-26.9 to -12.2)	-18.3 (-27.3 to -8.8)
19 Liver cancer	19 Headache disorders	-17.7 (-22.4 to -12.5)	-7.19 (-9.82 to -2.66)	-0.207 (-0.605 to 0.228)
20 Chronic kidney disease	20 Depressive disorders	-10 (-15.4 to -4.47)	1.45 (-0.968 to 4.02)	-0.597 (-0.86 to -0.311)
21 Depressive disorders	154 COVID-19			

### High-income North America, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Drug use disorders	28.3 (13.7 to 44.2)	18.3 (5.9 to 31.4)	19.5 (6.98 to 32.7)
2 Drug use disorders	2 Diabetes	28.7 (19.9 to 37.5)	18.6 (12.2 to 24.5)	2.92 (-2.22 to 7.48)
3 COVID-19	3 Ischemic heart disease	-24.3 (-37.2 to -9.26)	-30.2 (-41 to -17)	-52.2 (-61 to -41.4)
4 Diabetes	4 Alzheimer's disease	90 (72.4 to 107)	75.2 (63.2 to 87.2)	0.359 (-2.98 to 3.78)
5 Low back pain	5 COPD	34.1 (17.2 to 50.3)	23.7 (10.1 to 39.8)	-9.3 (-20.7 to 2.73)
6 COPD	6 Low back pain	13.4 (6.93 to 20.4)	4.52 (2.52 to 6.65)	-1.55 (-1.71 to -1.41)
7 Other musculoskeletal	7 Other musculoskeletal	25 (18.2 to 33)	15.3 (13.2 to 17.5)	13.1 (12.4 to 13.6)
8 Stroke	8 Chronic kidney disease	107 (77.2 to 140)	90.8 (63.1 to 121)	30.5 (10.8 to 53.9)
9 Lung cancer	9 Lung cancer	9.36 (-6.02 to 25.7)	0.826 (-12.1 to 16.4)	-17.3 (-27.4 to -6.57)
10 Alzheimer's disease	10 Stroke	3.65 (-4.48 to 12.5)	-4.42 (-10.5 to 1.97)	-29.1 (-34.7 to -22.6)
11 Depressive disorders	11 Falls	34.1 (23.3 to 46.6)	23.7 (14.8 to 33.2)	-10.3 (-16 to -3.95)
12 Falls	12 Age-related hearing loss	33.8 (26 to 42.2)	23.4 (19.2 to 28.3)	-0.231 (-0.322 to -0.139)
13 Road injuries	13 Depressive disorders	6.13 (0.228 to 12.5)	-2.15 (-3.06 to -1.14)	-1.48 (-1.65 to -1.31)
14 Headache disorders	14 Road injuries	11.1 (-10.4 to 34.5)	2.47 (-16.6 to 22.9)	2.13 (-19.1 to 25.7)
15 Anxiety disorders	15 Headache disorders	7.28 (1.4 to 14)	-1.08 (-2.51 to 2.23)	-0.274 (-0.481 to -0.0552)
16 Chronic kidney disease	16 Anxiety disorders	7.82 (2.02 to 14.4)	-0.588 (-1.94 to 0.836)	-0.502 (-0.759 to -0.261)
17 Age-related hearing loss	17 Hypertensive heart disease	73.4 (46.3 to 107)	59.9 (34 to 94.8)	24.2 (2.64 to 51.8)
18 Self-harm	18 Colorectal cancer	22.2 (0.675 to 46.8)	12.7 (-7.21 to 33.4)	-11.8 (-26.4 to 3.43)
19 Cirrhosis liver	19 Osteoarthritis	24.3 (17 to 32.5)	14.6 (11.8 to 17.6)	0.343 (0.2 to 0.483)
20 Colorectal cancer	20 Self-harm	-6.95 (-17.5 to 2.45)	-14.2 (-22.6 to -5.04)	-13.1 (-22.4 to -2.98)
21 Osteoarthritis	24 Cirrhosis liver			
26 Hypertensive heart disease	153 COVID-19			

### Southern Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Lower respiratory infect	46.6 (27.5 to 66.5)	38.7 (22.9 to 55)	-21.5 (-30.5 to -13)
2 Low back pain	2 Diabetes	82.8 (62.1 to 105)	72.9 (59.4 to 87.2)	14.2 (5.13 to 22.1)
3 Lower respiratory infect	3 Other musculoskeletal	63.5 (46.9 to 80.9)	54.5 (48.4 to 61.7)	29.8 (28.5 to 31.3)
4 COVID-19	4 Low back pain	23.5 (11.8 to 37.5)	16.8 (12.2 to 21.5)	-3.73 (-3.85 to -3.61)
5 Stroke	5 Chronic kidney disease	112 (71.4 to 155)	101 (63.3 to 139)	15.1 (-8.22 to 40.4)
6 Other musculoskeletal	6 Ischemic heart disease	-12.8 (-31.7 to 10.4)	-17.5 (-35.4 to 4.99)	-50.7 (-62.7 to -35.5)
7 Diabetes	7 Stroke	4.4 (-8.83 to 20.2)	-1.28 (-11.8 to 10.4)	-38 (-45.6 to -30.1)
8 Road injuries	8 Alzheimer's disease	111 (87.6 to 135)	99.4 (85.2 to 115)	-2.18 (-5.45 to 1.1)
9 Anxiety disorders	9 COPD	70.8 (44.2 to 96.7)	61.5 (39.5 to 86.2)	-8.98 (-22.8 to 5.9)
10 Neonatal disorders	10 Lung cancer	60.7 (33.6 to 93.5)	51.8 (30.4 to 77.8)	-3.2 (-16.7 to 11.4)
11 Lung cancer	11 Colorectal cancer	59.9 (23.2 to 101)	51.1 (18.7 to 87.2)	-5.67 (-25 to 17.6)
12 COPD	12 Age-related hearing loss	63.7 (48.1 to 81.5)	54.7 (47.3 to 61.6)	-0.271 (-0.462 to -0.0965)
13 Chronic kidney disease	13 Road injuries	0.816 (-20.8 to 26.5)	-4.64 (-24.4 to 18.3)	-5.13 (-26.2 to 18.5)
14 Depressive disorders	14 Anxiety disorders	5.52 (-4.83 to 17)	-0.272 (-3.42 to 3.85)	0.126 (-0.248 to 0.507)
15 Headache disorders	15 Falls	44.7 (29.1 to 63.2)	36.8 (27.3 to 47)	-1.77 (-7.84 to 4.92)
16 Self-harm	16 Depressive disorders	7.62 (-3.79 to 19.3)	1.71 (-1.22 to 5.5)	-1.37 (-1.81 to -0.808)
17 Colorectal cancer	17 Hypertensive heart disease	105 (66.6 to 143)	94.1 (59.9 to 130)	5.42 (-15.5 to 27.5)
18 Alzheimer's disease	18 Pancreatic cancer	121 (72.4 to 177)	109 (71.6 to 156)	32.1 (9.68 to 59.9)
19 Falls	19 Osteoarthritis	64.7 (49.1 to 81.5)	55.7 (49.1 to 61.2)	1.93 (1.67 to 2.22)
20 Age-related hearing loss	20 Cirrhosis liver	24.5 (11.1 to 41.1)	17.7 (7.61 to 27.5)	-15.5 (-22.5 to -9.04)
21 Cirrhosis liver	21 Headache disorders			
25 Osteoarthritis	26 Self-harm			
30 Hypertensive heart disease	28 Neonatal disorders			
32 Pancreatic cancer	157 COVID-19			

### Western Europe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Alzheimer's disease	58.8 (48.6 to 67.9)	54.5 (47.2 to 62.2)	-5.52 (-7.21 to -3.75)
2 Low back pain	2 Low back pain	5.84 (2.21 to 9.44)	3 (0.554 to 5.53)	-2.56 (-2.76 to -2.4)
3 Alzheimer's disease	3 Ischemic heart disease	-28 (-39.4 to -15.3)	-29.9 (-41.4 to -17.2)	-52.9 (-61.2 to -42.8)
4 COVID-19	4 Falls	20.1 (13.4 to 26.6)	16.9 (11.6 to 22)	-11.6 (-14.5 to -8.51)
5 Stroke	5 Diabetes	38.4 (32 to 44.9)	34.7 (27.8 to 41.1)	16.4 (11.1 to 21.5)
6 Lung cancer	6 Lung cancer	1.81 (-10.8 to 14.9)	-0.935 (-12.6 to 12.1)	-18.6 (-27.9 to -9.11)
7 Falls	7 COPD	32.3 (17.9 to 46.2)	28.8 (15.1 to 43.3)	-11.6 (-21.9 to -1.31)
8 Diabetes	8 Stroke	-12 (-18.4 to -5.28)	-14.4 (-20.4 to -7.45)	-37.8 (-43.5 to -32.2)
9 COPD	9 Depressive disorders	3.17 (-0.334 to 6.95)	0.39 (-1.14 to 2.11)	-0.923 (-1.19 to -0.614)
10 Depressive disorders	10 Colorectal cancer	23.5 (2.6 to 45.5)	20.2 (0.804 to 43.5)	-11.4 (-24.9 to 4.85)
11 Headache disorders	11 Chronic kidney disease	118 (89.5 to 149)	112 (84 to 146)	25.5 (6.65 to 47.9)
12 Anxiety disorders	12 Age-related hearing loss	29.9 (24.4 to 35.3)	26.4 (21.8 to 30.8)	-0.551 (-0.677 to -0.416)
13 Colorectal cancer	13 Headache disorders	-1.24 (-4.86 to 2.16)	-3.9 (-5.21 to -1.13)	-0.311 (-0.65 to 0.106)
14 Age-related hearing loss	14 Anxiety disorders	1.04 (-2.56 to 5.24)	-1.68 (-3.34 to -0.0235)	-0.374 (-0.685 to 0.041)
15 Other musculoskeletal	15 Lower respiratory infect	40.8 (30.8 to 51.2)	37.1 (27.5 to 47.4)	-16.8 (-24 to -9.85)
16 Osteoarthritis	16 Other musculoskeletal	25.8 (19.8 to 30.9)	22.4 (19.1 to 26.5)	23.1 (22.1 to 24)
17 Breast cancer	17 Pancreatic cancer	54.8 (31.6 to 79.8)	50.6 (28 to 75.4)	19.4 (1.58 to 37.8)
18 Gynecological diseases	18 Osteoarthritis	21 (16.8 to 25)	17.7 (14.8 to 20.8)	1.53 (1.31 to 1.74)
19 Lower respiratory infect	19 Atrial fibrillation	72.5 (63 to 82.5)	67.8 (59.2 to 76.5)	7.7 (4.58 to 10.6)
20 Oral disorders	20 Breast cancer	7.99 (-3.73 to 19.8)	5.08 (-5.83 to 17.3)	-15.4 (-23.3 to -6.73)
21 Pancreatic cancer	23 Oral disorders			
23 Chronic kidney disease	24 Gynecological diseases			
27 Atrial fibrillation	152 COVID-19			

### Andean Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 COVID-19	1 Diabetes	136 (104 to 169)	97.4 (73 to 122)	15.9 (4.17 to 29.9)
2 Lower respiratory infect	2 Chronic kidney disease	171 (88.8 to 261)	127 (62.8 to 206)	25.6 (-11.9 to 75.4)
3 Neonatal disorders	3 Lower respiratory infect	26 (1.38 to 52.9)	5.46 (-12.3 to 26.5)	-36.9 (-47.1 to -24.7)
4 Ischemic heart disease	4 Ischemic heart disease	38 (-8.68 to 100)	15.6 (-22.4 to 68.5)	-38.5 (-59.7 to -6.12)
5 Diabetes	5 Other musculoskeletal	108 (90.2 to 130)	74.5 (65.4 to 84.1)	37.3 (35.7 to 39.2)
6 Road injuries	6 Stroke	32.9 (6.35 to 63)	11.3 (-11 to 36.3)	-34.6 (-48.1 to -18.5)
7 Stroke	7 Low back pain	48.5 (36.1 to 61.4)	24.3 (18.4 to 30.3)	-3.59 (-3.8 to -3.36)
8 Chronic kidney disease	8 Cirrhosis liver	61.8 (38.8 to 83.7)	35.5 (18.1 to 52.5)	-13.6 (-23.3 to -3.1)
9 Congenital defects	9 Road injuries	3.21 (-31.2 to 54.2)	-13.5 (-43.3 to 28.9)	-18.2 (-47.4 to 23.3)
10 Anxiety disorders	10 Anxiety disorders	24.6 (12.6 to 37.6)	4.28 (-1.06 to 10.6)	0.399 (0.0447 to 0.737)
11 Low back pain	11 Neonatal disorders	-34.7 (-46.7 to -22.8)	-45.4 (-53.4 to -36.1)	-25.4 (-36.1 to -12.7)
12 Other musculoskeletal	12 Oral disorders	78.4 (62.5 to 97.7)	49.4 (39.1 to 60)	0.296 (-0.0648 to 0.671)
13 Cirrhosis liver	13 Age-related hearing loss	94.6 (77.6 to 117)	62.9 (53.1 to 72.7)	-0.515 (-0.743 to -0.287)
14 Headache disorders	14 Blindness and vision loss	85.3 (68.2 to 107)	55.2 (43.9 to 65.3)	-4.36 (-4.82 to -3.97)
15 Depressive disorders	15 Alzheimer's disease	186 (143 to 232)	140 (108 to 171)	0.335 (-1.69 to 2.17)
16 Stomach cancer	16 Depressive disorders	40.2 (27.6 to 54.4)	17.4 (12.1 to 23.6)	-0.0892 (-0.765 to 0.63)
17 Oral disorders	17 Falls	48.1 (29.5 to 71.1)	23.9 (12.2 to 35.5)	-10.2 (-17.7 to -1.84)
18 Gynecological diseases	18 Stomach cancer	27.7 (11.7 to 41.3)	6.95 (-2.44 to 16.3)	-39.1 (-42.9 to -35)
19 Falls	19 Headache disorders	23.4 (12 to 38.1)	3.32 (-2.18 to 15.1)	0.511 (-0.179 to 1.13)
20 Blindness and vision loss	20 COPD	147 (86.9 to 215)	107 (60 to 161)	-2.24 (-27.3 to 29.1)
21 Age-related hearing loss	25 Congenital defects			
30 Alzheimer's disease	27 Gynecological diseases			
32 COPD	162 COVID-19			

### Caribbean, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	73.4 (50.3 to 97.3)	67.2 (47.9 to 89.9)	19.7 (6.19 to 36)
2 Neonatal disorders	2 Ischemic heart disease	11.2 (-29 to 58.1)	7.41 (-31.9 to 61.9)	-32.2 (-58 to 7.6)
3 Diabetes	3 Stroke	9.58 (-14.4 to 35.3)	5.75 (-17.5 to 31)	-30.4 (-47.1 to -8.75)
4 Stroke	4 Nature disaster	768 (-99.3 to 13300)	721 (-99.3 to 13000)	835 (-99.3 to 15000)
5 Nature disaster	5 Chronic kidney disease	80.8 (29.8 to 150)	74.5 (23.8 to 145)	19.1 (-18 to 73.3)
6 Lower respiratory infect	6 Neonatal disorders	-42.5 (-56.3 to -27)	-44.6 (-55.9 to -29.3)	-25.1 (-39.9 to -5.8)
7 Interpersonal violence	7 Lower respiratory infect	-21.2 (-35.8 to -3.03)	-23.9 (-37 to -6.11)	-47.8 (-56.7 to -36.1)
8 COVID-19	8 Hypertensive heart disease	94.3 (37.4 to 154)	87.6 (32.2 to 152)	17.7 (-18.9 to 64.4)
9 Road injuries	9 Road injuries	-6.72 (-39.3 to 42.2)	-9.95 (-41.6 to 42)	-6.01 (-40.4 to 49.8)
10 Congenital defects	10 Other musculoskeletal	66 (48.9 to 85.8)	60 (50.2 to 69)	38.8 (33.8 to 44)
11 Diarrheal diseases	11 Low back pain	20.2 (9.49 to 31.8)	15.9 (11.2 to 20.4)	-3.7 (-4.39 to -3.01)
12 HIV/AIDS	12 Alzheimer's disease	121 (83 to 153)	113 (82.7 to 139)	-0.801 (-2.71 to 1.19)
13 Chronic kidney disease	13 Depressive disorders	14.7 (4.47 to 25.3)	10.6 (6.71 to 15)	-1.91 (-3 to -1.01)
14 Low back pain	14 Age-related hearing loss	56.3 (38.3 to 72.6)	50.7 (38.8 to 61.2)	-0.904 (-1.24 to -0.542)
15 Depressive disorders	15 COPD	46.8 (13.9 to 82.7)	41.7 (10.4 to 78.5)	-17.7 (-39.4 to 8.33)
16 Cirrhosis liver	16 Cirrhosis liver	16.8 (-0.617 to 33.9)	12.8 (-3.02 to 30.7)	-12 (-24.4 to 3.31)
17 Headache disorders	17 Lung cancer	33.5 (-6.48 to 78.1)	28.8 (-7.25 to 70.9)	-16.4 (-37.5 to 9.29)
18 Anxiety disorders	18 Prostate cancer	94.2 (35.9 to 156)	87.2 (37.5 to 141)	3.19 (-20 to 28.1)
19 Lung cancer	19 Falls	55.8 (33.1 to 75.4)	50.3 (32.9 to 66.7)	-7.31 (-13.5 to -1.56)
20 Other musculoskeletal	20 Interpersonal violence	-37.2 (-59.2 to -1.9)	-39.5 (-59.4 to -4.61)	-34.3 (-56.9 to 5.97)
21 COPD	21 Headache disorders			
22 Age-related hearing loss	23 Anxiety disorders			
23 Hypertensive heart disease	24 Congenital defects			
26 Falls	31 Diarrheal diseases			
29 Alzheimer's disease	40 HIV/AIDS			
30 Prostate cancer	164 COVID-19			

### Central Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	87 (66.7 to 112)	67.9 (46.4 to 94.2)	6.81 (-7.34 to 22.9)
2 Diabetes	2 Ischemic heart disease	37.8 (-17.3 to 123)	24.1 (-26.7 to 105)	-33.1 (-63.7 to 20.4)
3 COVID-19	3 Chronic kidney disease	118 (55.6 to 193)	96.1 (39.2 to 168)	21.4 (-18.4 to 75)
4 Interpersonal violence	4 Other musculoskeletal	89.3 (77.3 to 103)	69.8 (61.5 to 79.7)	35.2 (32.6 to 38.1)
5 Chronic kidney disease	5 Low back pain	33.6 (23.9 to 42.3)	19.9 (14.4 to 25.3)	-3.49 (-3.78 to -3.22)
6 Neonatal disorders	6 Cirrhosis liver	46.1 (32.8 to 59.9)	31.1 (17.7 to 48.3)	-5.15 (-16.2 to 6.72)
7 Road injuries	7 Interpersonal violence	-35.4 (-62.2 to 10.4)	-42.3 (-64.6 to -3.95)	-38 (-64 to 3.98)
8 Low back pain	8 Stroke	31.2 (5.08 to 64.6)	18 (-8.15 to 54.7)	-33 (-50.2 to -8.02)
9 Stroke	9 COPD	105 (62.6 to 150)	84.6 (40.3 to 131)	-13.5 (-38.8 to 21)
10 Other musculoskeletal	10 Road injuries	2.55 (-35.9 to 66.8)	-7.69 (-43.4 to 52.4)	-9.66 (-45.4 to 52.6)
11 Cirrhosis liver	11 Alzheimer's disease	184 (129 to 236)	155 (109 to 200)	1.1 (-2.03 to 3.29)
12 Lower respiratory infect	12 Lower respiratory infect	5.61 (-10.9 to 20.9)	-5.17 (-20.4 to 11.5)	-38.7 (-49.6 to -25.8)
13 Congenital defects	13 Age-related hearing loss	84 (64.9 to 101)	65.1 (51.4 to 78.2)	-0.628 (-0.753 to -0.483)
14 Depressive disorders	14 Depressive disorders	28 (18.4 to 38.3)	14.8 (10.2 to 20.3)	-1.6 (-1.94 to -1.29)
15 Headache disorders	15 Falls	61.8 (43.2 to 82.3)	45.1 (31.4 to 60.2)	2.33 (-5.45 to 10.8)
16 COPD	16 Headache disorders	13.4 (4.21 to 28)	1.7 (-3.4 to 14.9)	-0.157 (-0.405 to 0.117)
17 Anxiety disorders	17 Neonatal disorders	-39.2 (-51.1 to -26)	-45.4 (-56.1 to -32.4)	-28 (-41.9 to -8.15)
18 Age-related hearing loss	18 Blindness and vision loss	73.9 (55.1 to 90.5)	56 (42.1 to 68.7)	-4.22 (-4.64 to -3.89)
19 Falls	19 Anxiety disorders	14.4 (5.42 to 24.1)	2.6 (-2.5 to 8.16)	0.131 (-0.267 to 0.495)
20 Self-harm	20 Oral disorders	59.6 (46.7 to 72.4)	43.2 (33.5 to 52.9)	0.729 (0.45 to 1.11)
21 Oral disorders	28 Congenital defects			
22 Blindness and vision loss	31 Self-harm			
24 Alzheimer's disease	162 COVID-19			

### Tropical Latin America, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Diabetes	<b>105 (72.8 to 138)</b>	<b>83.2 (62.8 to 108)</b>	<b>18.5 (3.89 to 34.7)</b>
2 Interpersonal violence	2 Ischemic heart disease	4.15 (-37.1 to 61.1)	-6.86 (-42.3 to 49.6)	<b>-42.9 (-65.6 to -6.22)</b>
3 Stroke	3 Low back pain	<b>29.3 (11 to 46.7)</b>	<b>15.4 (11.1 to 20.2)</b>	<b>-4.05 (-4.23 to -3.88)</b>
4 Diabetes	4 Alzheimer's disease	<b>165 (114 to 218)</b>	<b>136 (105 to 167)</b>	<b>-5.19 (-7.45 to -2.68)</b>
5 Low back pain	5 Stroke	10.7 (-18.3 to 45.2)	-1.12 (-25.2 to 30.4)	<b>-41.1 (-56.2 to -20.2)</b>
6 COVID-19	6 Other musculoskeletal	<b>80.5 (58.4 to 106)</b>	<b>61 (52.6 to 69.9)</b>	<b>38.9 (36 to 41.6)</b>
7 Neonatal disorders	7 Lower respiratory infect	<b>42.4 (10.9 to 73.7)</b>	<b>27.1 (0.16 to 55.6)</b>	<b>-31.9 (-47.6 to -11.2)</b>
8 Road injuries	8 Interpersonal violence	-26.9 (-61.7 to 28.8)	-34.9 (-64 to 22.1)	-26.2 (-61.4 to 42.5)
9 Lower respiratory infect	9 COPD	<b>72.6 (18.9 to 132)</b>	<b>54.1 (12.2 to 108)</b>	-20.5 (-44.3 to 13.8)
10 Anxiety disorders	10 Anxiety disorders	13.7 (-0.921 to 28.7)	1.4 (-1.64 to 5.39)	<b>0.421 (0.228 to 0.629)</b>
11 Other musculoskeletal	11 Chronic kidney disease	<b>119 (40.3 to 210)</b>	<b>95.6 (30.7 to 184)</b>	15.4 (-26.1 to 76)
12 Headache disorders	12 Road injuries	0.846 (-37.8 to 54.1)	-9.86 (-39.6 to 40.2)	-8.61 (-40.5 to 45.5)
13 Depressive disorders	13 Age-related hearing loss	<b>77.2 (50.1 to 102)</b>	<b>58.1 (47.7 to 67.8)</b>	<b>-0.925 (-1.03 to -0.818)</b>
14 Falls	14 Falls	<b>45.1 (20.5 to 77)</b>	<b>29.4 (13.3 to 48.4)</b>	<b>-11.8 (-20.1 to -1.01)</b>
15 COPD	15 Depressive disorders	<b>19.6 (2.5 to 36.1)</b>	<b>6.65 (3.45 to 11)</b>	<b>-2.92 (-3.15 to -2.71)</b>
16 Age-related hearing loss	16 Headache disorders	7.54 (-8.07 to 24.2)	-4.09 (-7.87 to 6.83)	-0.119 (-0.344 to 0.169)
17 Alzheimer's disease	17 Oral disorders	<b>61.6 (37.2 to 85.5)</b>	<b>44.1 (34.6 to 53.2)</b>	-0.0468 (-0.417 to 0.336)
18 Congenital defects	18 Urinary diseases	<b>155 (104 to 224)</b>	<b>128 (82.9 to 179)</b>	15.3 (-8.08 to 49.9)
19 Chronic kidney disease	19 Blindness and vision loss	<b>64.5 (39.2 to 88.5)</b>	<b>46.7 (35.6 to 56.7)</b>	<b>-4.87 (-5.15 to -4.57)</b>
20 Cirrhosis liver	20 Lung cancer	<b>51.5 (0.579 to 116)</b>	35 (-7.54 to 83.7)	-16.9 (-41.2 to 10.3)
21 Oral disorders	21 Neonatal disorders			
22 Blindness and vision loss	25 Cirrhosis liver			
24 Lung cancer	36 Congenital defects			
33 Urinary diseases	162 COVID-19			



### North Africa and Middle East, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Ischemic heart disease	1 Ischemic heart disease	47 (-1.31 to 124)	8.8 (-29.3 to 67.4)	-41.5 (-63.3 to -6.12)
2 Neonatal disorders	2 Diabetes	227 (199 to 256)	142 (119 to 169)	41.7 (27.9 to 58.6)
3 Stroke	3 Stroke	47.6 (16.5 to 86.6)	9.19 (-13.9 to 41.2)	-43.1 (-56.4 to -22.1)
4 Congenital defects	4 Chronic kidney disease	219 (134 to 327)	136 (71.6 to 223)	28.1 (-9.1 to 87.5)
5 Road injuries	5 Low back pain	61.1 (50.4 to 71.2)	19 (13.4 to 24.9)	-5.17 (-5.46 to -4.91)
6 Diabetes	6 Hypertensive heart disease	207 (126 to 312)	127 (66.5 to 209)	8.27 (-26.5 to 58.5)
7 COVID-19	7 Road injuries	12.5 (-27.9 to 77.1)	-16.8 (-47.4 to 34.4)	-22.2 (-51.8 to 26)
8 Low back pain	8 Depressive disorders	44.8 (35.6 to 55.5)	6.93 (2.67 to 12.3)	-2.32 (-2.96 to -1.65)
9 Depressive disorders	9 Other musculoskeletal	157 (138 to 176)	90 (77.5 to 102)	54.2 (51 to 57.2)
10 Lower respiratory infect	10 Neonatal disorders	-34 (-50.4 to -12.1)	-51.2 (-62.4 to -35.4)	-37.3 (-52.4 to -15.4)
11 Conflict & terror	11 COPD	140 (84.2 to 209)	77.9 (38 to 135)	-12.7 (-37.5 to 23.5)
12 Headache disorders	12 Alzheimer's disease	281 (211 to 345)	181 (136 to 227)	5.76 (4.12 to 7.55)
13 Anxiety disorders	13 Headache disorders	39.6 (30 to 51.5)	3.15 (-0.804 to 10.3)	0.69 (-0.0384 to 1.21)
14 Chronic kidney disease	14 Conflict & terror	60.1 (-59.4 to 350)	18.5 (-69.8 to 235)	21.5 (-68.9 to 251)
15 Gynecological diseases	15 Age-related hearing loss	122 (99.9 to 142)	63.8 (51.2 to 77.2)	-1.77 (-2.03 to -1.51)
16 Hypertensive heart disease	16 Anxiety disorders	36 (26.2 to 45.5)	0.448 (-3.83 to 5.36)	0.213 (-0.49 to 0.826)
17 Cirrhosis liver	17 Lower respiratory infect	2.15 (-14.2 to 21.9)	-24.5 (-36.6 to -7.31)	-42 (-53.8 to -25.3)
18 Other musculoskeletal	18 Congenital defects	-31.3 (-43.5 to -20.5)	-49.3 (-56.3 to -41.5)	-31.7 (-38.6 to -22.9)
19 COPD	19 Cirrhosis liver	57.3 (38.3 to 77.2)	16.3 (0.994 to 34.2)	-30.7 (-39.8 to -17.9)
20 Age-related hearing loss	20 Blindness and vision loss	124 (101 to 145)	65.2 (49.6 to 79.4)	-3.32 (-3.95 to -2.67)
25 Blindness and vision loss	22 Gynecological diseases			
27 Alzheimer's disease	167 COVID-19			

### South Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Ischemic heart disease	1.4 (-39.9 to 57.8)	-9.19 (-46.1 to 46.7)	<b>-51.5 (-73.2 to -15.8)</b>
2 Ischemic heart disease	2 COPD	<b>64.3 (19.9 to 112)</b>	<b>47 (9.5 to 99.4)</b>	-32.2 (-52.7 to 0.761)
3 COPD	3 Diabetes	<b>107 (80 to 135)</b>	<b>84.5 (62.3 to 113)</b>	3.49 (-10.3 to 24.5)
4 Lower respiratory infect	4 Other musculoskeletal	<b>154 (126 to 182)</b>	<b>127 (114 to 140)</b>	<b>67.5 (64 to 71.3)</b>
5 Stroke	5 Stroke	18.7 (-7.69 to 48.6)	6.13 (-16.5 to 38.6)	<b>-45.4 (-59.5 to -27)</b>
6 Diarrheal diseases	6 Neonatal disorders	<b>-54.8 (-63.6 to -44.5)</b>	<b>-59.6 (-66.4 to -50.8)</b>	<b>-35.5 (-45.6 to -22.3)</b>
7 Diabetes	7 Falls	<b>72.3 (39 to 106)</b>	<b>53.7 (32.2 to 73.5)</b>	<b>-12.7 (-20.2 to -4.75)</b>
8 Tuberculosis	8 Low back pain	<b>49.3 (32.9 to 66.3)</b>	<b>33.3 (25.9 to 40.9)</b>	<b>-5.8 (-6.14 to -5.44)</b>
9 Dietary iron deficiency	9 Blindness and vision loss	<b>88.2 (62.7 to 117)</b>	<b>68 (53.6 to 82.9)</b>	<b>-6.79 (-7.1 to -6.45)</b>
10 Other musculoskeletal	10 Depressive disorders	<b>38.1 (22.4 to 55.2)</b>	<b>23.3 (17.8 to 30.6)</b>	<b>-4.05 (-4.45 to -3.61)</b>
11 Road injuries	11 Age-related hearing loss	<b>83.3 (59 to 109)</b>	<b>63.6 (51.3 to 76.7)</b>	<b>-1.74 (-1.91 to -1.57)</b>
12 Low back pain	12 Cirrhosis liver	<b>28.2 (3.31 to 57.4)</b>	14.6 (-7.56 to 42.9)	<b>-21.1 (-37.1 to -1.04)</b>
13 Cirrhosis liver	13 Lower respiratory infect	<b>-41 (-52.5 to -27.2)</b>	<b>-47.3 (-56.6 to -35.9)</b>	<b>-57.5 (-65.7 to -46.2)</b>
14 Depressive disorders	14 Diarrheal diseases	-16.8 (-41.6 to 16.7)	-25.6 (-49.3 to 8.23)	<b>-51.2 (-69.9 to -22.2)</b>
15 COVID-19	15 Dietary iron deficiency	-0.56 (-12.1 to 12.3)	<b>-11.3 (-13.4 to -9.18)</b>	<b>-13.7 (-14.8 to -12.6)</b>
16 Falls	16 Road injuries	-4.34 (-40.9 to 45.2)	-14.4 (-45.8 to 36.8)	-23.1 (-52.9 to 25.6)
17 Self-harm	17 Headache disorders	<b>20.4 (6.48 to 41.7)</b>	<b>7.43 (1.56 to 23.8)</b>	0.422 (-0.117 to 0.668)
18 Headache disorders	18 Chronic kidney disease	<b>104 (41.2 to 185)</b>	<b>82.4 (26.2 to 164)</b>	4.93 (-32 to 59)
19 Congenital defects	19 Self-harm	-9.2 (-31.1 to 16.1)	-18.9 (-37.9 to 6.93)	-20.3 (-40.2 to 6.49)
20 Blindness and vision loss	20 Alzheimer's disease	<b>196 (127 to 272)</b>	<b>164 (114 to 214)</b>	<b>-5.84 (-9.4 to -2.54)</b>
21 Age-related hearing loss	22 Tuberculosis			
25 Chronic kidney disease	30 Congenital defects			
38 Alzheimer's disease	166 COVID-19			

### East Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	2.92 (-16.4 to 24)	18.2 (-1.53 to 46.7)	<b>-44.4 (-53.8 to -30.3)</b>
2 Ischemic heart disease	2 COPD	<b>82.4 (40.9 to 125)</b>	<b>109 (66.3 to 163)</b>	-19.1 (-38.9 to 8.26)
3 COPD	3 Ischemic heart disease	-11.1 (-37 to 21.2)	2.07 (-27.4 to 42.5)	<b>-55.7 (-69.4 to -35.7)</b>
4 Lung cancer	4 Alzheimer's disease	<b>172 (127 to 229)</b>	<b>212 (171 to 261)</b>	0.00387 (-3.54 to 3.35)
5 Age-related hearing loss	5 Lung cancer	34.2 (-0.635 to 76.7)	<b>53.8 (16.5 to 98.3)</b>	-13.6 (-30.6 to 7.45)
6 Diabetes	6 Diabetes	<b>74.3 (53.8 to 93.5)</b>	<b>100 (83.8 to 115)</b>	<b>42.3 (31.2 to 52.7)</b>
7 Road injuries	7 Age-related hearing loss	<b>43.1 (27.9 to 60.1)</b>	<b>64.2 (53 to 75.8)</b>	<b>-0.819 (-0.983 to -0.657)</b>
8 Low back pain	8 Hypertensive heart disease	<b>139 (72.4 to 221)</b>	<b>174 (100 to 283)</b>	11 (-23.4 to 58.2)
9 Stomach cancer	9 Low back pain	8.21 (-2.51 to 20.2)	<b>24.2 (17.8 to 30.4)</b>	<b>-4.13 (-4.51 to -3.67)</b>
10 Alzheimer's disease	10 Other musculoskeletal	<b>49.4 (35.3 to 64.9)</b>	<b>71.5 (60.6 to 82)</b>	<b>53.8 (51.4 to 55.9)</b>
11 Falls	11 Colorectal cancer	<b>67.1 (16.7 to 125)</b>	<b>91.5 (39.7 to 154)</b>	11.1 (-17.7 to 42.9)
12 Depressive disorders	12 Esophageal cancer	<b>42.4 (23.3 to 63.9)</b>	<b>63.5 (45.9 to 85)</b>	-0.463 (-10.9 to 10.5)
13 Other musculoskeletal	13 Falls	<b>19 (2.53 to 38.7)</b>	<b>36.5 (19.4 to 56.1)</b>	<b>-22.5 (-29.3 to -14.6)</b>
14 Headache disorders	14 Stomach cancer	-11.3 (-22.3 to 3.31)	1.72 (-10 to 13.9)	<b>-39.8 (-44.4 to -35.2)</b>
15 Colorectal cancer	15 Road injuries	-28.9 (-51.4 to 6.08)	-18.3 (-44.8 to 23.8)	-18.7 (-48.1 to 29.5)
16 Esophageal cancer	16 Depressive disorders	4.55 (-4.17 to 13.9)	<b>20 (14.9 to 25.9)</b>	<b>-1.97 (-2.32 to -1.61)</b>
17 Blindness and vision loss	17 Blindness and vision loss	<b>32 (13.7 to 50.1)</b>	<b>51.4 (36.5 to 66.1)</b>	<b>-5.12 (-5.59 to -4.75)</b>
18 Hypertensive heart disease	18 Chronic kidney disease	<b>70.4 (29.4 to 119)</b>	<b>95.7 (49.3 to 154)</b>	2.14 (-25.4 to 38.3)
19 Anxiety disorders	19 Osteoarthritis	<b>38.3 (25.8 to 51.7)</b>	<b>58.7 (51.3 to 67.5)</b>	<b>3.42 (2.92 to 3.9)</b>
20 Osteoarthritis	20 Headache disorders	<b>-14.7 (-21.2 to -6.44)</b>	-2.04 (-6.59 to 6.29)	-0.023 (-0.398 to 0.474)
24 Chronic kidney disease	25 Anxiety disorders			

### Oceania, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Lower respiratory infect	1 Diabetes	130 (88.3 to 174)	23.7 (3.44 to 47.8)	-7.23 (-22.6 to 14.6)
2 Neonatal disorders	2 Ischemic heart disease	82 (16.4 to 170)	-2.04 (-37.5 to 47.8)	-27.6 (-55.1 to 12.4)
3 Ischemic heart disease	3 Stroke	89.4 (43.8 to 137)	1.89 (-18.8 to 27)	-26 (-43.9 to -5.05)
4 Diabetes	4 Neonatal disorders	-19.8 (-46.2 to 17.7)	-56.9 (-70.3 to -38.5)	-42 (-58.7 to -18.5)
5 Stroke	5 Lower respiratory infect	-41.8 (-56 to -26.6)	-68.7 (-75.7 to -60.4)	-59.7 (-68.1 to -49.4)
6 Congenital defects	6 COPD	115 (58.7 to 181)	15.8 (-13.6 to 54.1)	-24.3 (-45.2 to 5.52)
7 Malaria	7 Malaria	117 (-86.9 to 449)	17.4 (-92.7 to 178)	16.2 (-91.7 to 200)
8 Diarrheal diseases	8 Congenital defects	-6.08 (-23.9 to 17.5)	-49.6 (-57.7 to -39)	-34 (-42.9 to -23.8)
9 COVID-19	9 Road injuries	42.6 (-19.2 to 142)	-23.2 (-55.6 to 37.5)	-24.8 (-56 to 30.9)
10 COPD	10 Diarrheal diseases	-18.5 (-50.9 to 24.8)	-56.2 (-72.9 to -32.4)	-48 (-68.6 to -19.1)
11 Road injuries	11 Low back pain	108 (83.2 to 132)	11.6 (5.33 to 17.8)	-4.41 (-4.84 to -3.96)
12 Tuberculosis	12 Chronic kidney disease	183 (98.4 to 285)	52.2 (5.37 to 116)	24.8 (-13.6 to 81.5)
13 Pertussis	13 Other musculoskeletal	263 (219 to 311)	95.2 (83 to 107)	70.7 (65.9 to 74.2)
14 Measles	14 Headache disorders	97.9 (77.4 to 120)	6.38 (3.09 to 10.4)	0.741 (0.403 to 1.02)
15 Drowning	15 Depressive disorders	100 (78.8 to 123)	7.58 (3.59 to 11.7)	-1.59 (-2.01 to -1.19)
16 Low back pain	16 Anxiety disorders	98.7 (76.6 to 122)	6.79 (3.51 to 10.7)	1.49 (1.08 to 2.01)
17 Asthma	17 Age-related hearing loss	139 (108 to 172)	28.4 (17.8 to 38.9)	-1.24 (-1.52 to -0.958)
18 Interpersonal violence	18 Pertussis	11.5 (-41.2 to 103)	-40.1 (-68.8 to 5.75)	-22.4 (-57.9 to 35.5)
19 Headache disorders	19 Interpersonal violence	42.1 (19.4 to 71.5)	-23.7 (-32.8 to -12.1)	-26.3 (-34.5 to -15.7)
20 Rheumatic heart disease	20 Dietary iron deficiency	50.5 (31.8 to 70.1)	-19.2 (-21.8 to -16.8)	-15.7 (-17.2 to -13.7)
21 Dietary iron deficiency	23 Tuberculosis			
22 Depressive disorders	25 Drowning			
23 Anxiety disorders	27 Asthma			
24 Chronic kidney disease	32 Rheumatic heart disease			
29 Age-related hearing loss	73 Measles			
31 Other musculoskeletal	163 COVID-19			

### Southeast Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Stroke	1 Stroke	17.4 (1.6 to 34.4)	3.96 (-11.6 to 21.1)	-41.6 (-51.2 to -30.9)
2 Ischemic heart disease	2 Ischemic heart disease	-4.67 (-29.1 to 26)	-15.5 (-37.8 to 13.5)	-51.2 (-64.9 to -30.6)
3 Neonatal disorders	3 Diabetes	76.6 (58.1 to 96.2)	56.4 (38.6 to 74.6)	-6.82 (-17.6 to 5.01)
4 Diabetes	4 COPD	92.8 (59.9 to 127)	70.8 (40.5 to 109)	-14.9 (-31.1 to 9.49)
5 Lower respiratory infect	5 Chronic kidney disease	99.4 (58.1 to 150)	76.7 (36.1 to 126)	13.8 (-13.1 to 54.4)
6 Road injuries	6 Cirrhosis liver	39.9 (23.8 to 57.9)	23.9 (7.99 to 41.5)	-9.6 (-20.9 to 5.12)
7 Cirrhosis liver	7 Lower respiratory infect	3.43 (-8.61 to 14.9)	-8.43 (-18.8 to 2.86)	-45.1 (-51.5 to -36.5)
8 COPD	8 Other musculoskeletal	100 (87.5 to 114)	77.2 (69.2 to 86.4)	49.3 (46.6 to 51.7)
9 COVID-19	9 Age-related hearing loss	71.7 (58.5 to 86)	52 (42.8 to 61.7)	-1.02 (-1.2 to -0.806)
10 Tuberculosis	10 Hypertensive heart disease	133 (74.8 to 203)	106 (51.9 to 174)	12.4 (-20.7 to 57.3)
11 Chronic kidney disease	11 Low back pain	40.3 (30.1 to 50.1)	24.2 (19.2 to 30)	-3.78 (-4.16 to -3.4)
12 Low back pain	12 Alzheimer's disease	209 (167 to 251)	173 (137 to 210)	1.16 (-1.15 to 3.31)
13 Headache disorders	13 Lung cancer	70.9 (30.7 to 110)	51.1 (21.3 to 82.8)	-8.35 (-24.6 to 7.93)
14 Age-related hearing loss	14 Road injuries	-7.71 (-31.2 to 28.2)	-18.2 (-40.3 to 13.8)	-19.3 (-42.1 to 13.5)
15 Congenital defects	15 Headache disorders	14.8 (7.39 to 26.3)	1.6 (-2.27 to 11.6)	0.202 (-0.128 to 0.762)
16 Other musculoskeletal	16 Neonatal disorders	-46.4 (-55.4 to -35.3)	-52.5 (-60 to -42.1)	-37.8 (-48.7 to -22.3)
17 Lung cancer	17 Falls	57 (39.6 to 72.7)	38.9 (26.1 to 50.7)	-9.99 (-14.1 to -5.96)
18 Diarrheal diseases	18 Blindness and vision loss	86.3 (69.3 to 103)	64.9 (52.1 to 77.1)	-3.55 (-4.36 to -2.78)
19 Hypertensive heart disease	19 Colorectal cancer	91.7 (39.2 to 146)	69.5 (26.8 to 115)	4.87 (-19.2 to 31.7)
20 Depressive disorders	20 Depressive disorders	24.8 (17.1 to 32.7)	10.4 (6.85 to 14.2)	-1.7 (-2.23 to -1.2)
21 Falls	23 Tuberculosis			
24 Blindness and vision loss	24 Diarrheal diseases			
26 Colorectal cancer	30 Congenital defects			
27 Alzheimer's disease	167 COVID-19			

### Central sub-Saharan Africa, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-31.7 (-49.4 to -12.7)	-61.9 (-69.6 to -52)	-42.7 (-53.3 to -29.2)
2 Malaria	2 Road injuries	18 (-37.9 to 108)	-33.9 (-65.6 to 22.9)	-36.8 (-65.8 to 14.2)
3 Lower respiratory infect	3 Lower respiratory infect	4.4 (-20.7 to 30.5)	-41.7 (-53.2 to -30.3)	-39.1 (-48.2 to -29.4)
4 Road injuries	4 Malaria	-51.8 (-91.1 to 174)	-73.4 (-94.1 to 53.7)	-65.3 (-92.4 to 101)
5 Tuberculosis	5 Diabetes	194 (126 to 279)	63.9 (36.9 to 94.4)	2.48 (-13.2 to 18.4)
6 HIV/AIDS	6 Stroke	59.3 (24.3 to 102)	-11 (-27.1 to 8.91)	-46.6 (-56.2 to -34.2)
7 Diarrheal diseases	7 Depressive disorders	116 (73.5 to 157)	20.3 (14.6 to 27)	-3.18 (-3.42 to -2.9)
8 Congenital defects	8 Ischemic heart disease	62.7 (12.9 to 132)	-8.99 (-37.5 to 33.9)	-46.3 (-63.6 to -20.3)
9 Stroke	9 Tuberculosis	-31.2 (-54.3 to 0.185)	-61.5 (-74.5 to -39.8)	-68.6 (-78.5 to -52.2)
10 COVID-19	10 Cirrhosis liver	78.9 (43.5 to 123)	0.0134 (-16.8 to 19)	-28.5 (-39.2 to -16.1)
11 Ischemic heart disease	11 Hypertensive heart disease	214 (138 to 311)	75.6 (35 to 130)	-4.88 (-27.8 to 23.9)
12 Depressive disorders	12 Diarrheal diseases	-11.3 (-38.6 to 30.8)	-50.4 (-65.5 to -25)	-43.8 (-59.8 to -19.8)
13 Cirrhosis liver	13 Chronic kidney disease	145 (82 to 226)	37.2 (2.54 to 83.7)	-3.27 (-26.9 to 29.3)
14 Pertussis	14 Low back pain	125 (81.2 to 171)	25.4 (18.4 to 32.9)	-6.34 (-6.57 to -6.13)
15 Diabetes	15 Congenital defects	-18.4 (-37.9 to 1.52)	-54.5 (-61.4 to -46.3)	-34.6 (-43.4 to -23.4)
16 Maternal disorders	16 Other musculoskeletal	368 (286 to 460)	161 (142 to 180)	89.9 (82.2 to 95.5)
17 Meningitis	17 HIV/AIDS	-35.1 (-57.3 to 6.38)	-63.8 (-75.3 to -44.3)	-68.4 (-77.9 to -52.5)
18 Measles	18 Headache disorders	110 (71.1 to 150)	17.1 (11.5 to 28)	0.745 (0.401 to 1.03)
19 Low back pain	19 COPD	126 (75.3 to 193)	26.2 (0.233 to 58)	-26.9 (-42.1 to -8.72)
20 Chronic kidney disease	20 Anxiety disorders	102 (63.5 to 144)	12.8 (6.59 to 19.2)	1.43 (1.13 to 1.74)
25 Headache disorders	24 Pertussis			
26 Hypertensive heart disease	32 Meningitis			
30 Anxiety disorders	33 Maternal disorders			
32 COPD	97 Measles			
40 Other musculoskeletal	169 COVID-19			

### Eastern sub-Saharan Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-30.3 (-46.6 to -11.2)	-61.3 (-68.8 to -51.6)	-40.8 (-51.1 to -25.7)
2 Lower respiratory infect	2 Lower respiratory infect	-15.4 (-31.9 to -0.297)	-53 (-60.7 to -43.3)	-46.7 (-54.8 to -36.1)
3 HIV/AIDS	3 Diarrheal diseases	-11.1 (-40.3 to 35)	-50.6 (-66.9 to -25.3)	-44.4 (-62.2 to -16.7)
4 Diarrheal diseases	4 Stroke	68.5 (42.8 to 99.2)	-6.38 (-22 to 13.7)	-45.3 (-54.5 to -33.1)
5 Malaria	5 Depressive disorders	126 (111 to 142)	25.6 (19 to 32.9)	-2.81 (-3.19 to -2.46)
6 Tuberculosis	6 Diabetes	152 (115 to 195)	39.9 (17.4 to 66.7)	-15.2 (-28 to 0.132)
7 Congenital defects	7 Chronic kidney disease	181 (113 to 271)	56.3 (18.4 to 108)	7.46 (-19.1 to 43.1)
8 COVID-19	8 Low back pain	131 (114 to 146)	28.2 (20.2 to 35.9)	-6.92 (-7.13 to -6.71)
9 Stroke	9 Congenital defects	-21.9 (-36.3 to -5.13)	-56.7 (-62.7 to -48.6)	-36.1 (-43.6 to -25.2)
10 Road injuries	10 Other musculoskeletal	417 (377 to 452)	187 (168 to 208)	103 (97.2 to 107)
11 Meningitis	11 Cirrhosis liver	76.8 (52.2 to 107)	-1.76 (-16.3 to 18.8)	-35 (-44.2 to -22.7)
12 Protein-energy malnutrition	12 Ischemic heart disease	64.5 (11.1 to 141)	-8.54 (-38.2 to 37.3)	-47 (-64.1 to -20.9)
13 Depressive disorders	13 Tuberculosis	-30.9 (-54.5 to 6.66)	-61.6 (-74.7 to -40)	-70.5 (-80.3 to -55.2)
14 Measles	14 Road injuries	33.1 (-23 to 129)	-26 (-56.1 to 28)	-35.3 (-60.7 to 8.62)
15 Ischemic heart disease	15 Age-related hearing loss	158 (139 to 175)	43.4 (32.5 to 53.1)	-2.23 (-2.44 to -1.99)
16 Cirrhosis liver	16 Anxiety disorders	105 (90.5 to 119)	13.8 (8.31 to 20.8)	1.74 (1.42 to 2.08)
17 Diabetes	17 Hypertensive heart disease	171 (109 to 245)	50.6 (15.7 to 97.5)	-18.5 (-38.4 to 6.02)
18 Low back pain	18 Interpersonal violence	51.6 (25.8 to 79.2)	-15.9 (-28.4 to -0.0947)	-24 (-33.6 to -11)
19 Dietary iron deficiency	19 Headache disorders	112 (95.4 to 132)	17.6 (12.1 to 27.6)	0.401 (0.00315 to 0.688)
20 Pertussis	20 HIV/AIDS	-72.5 (-76.3 to -68.3)	-84.7 (-86.8 to -82.5)	-86.3 (-87.8 to -84.6)
22 Interpersonal violence	21 Dietary iron deficiency			
23 Chronic kidney disease	27 Malaria			
26 Anxiety disorders	29 Meningitis			
27 Age-related hearing loss	34 Pertussis			
29 Headache disorders	44 Protein-energy malnutrition			
32 Hypertensive heart disease	94 Measles			
39 Other musculoskeletal	170 COVID-19			

### Southern sub-Saharan Africa, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 HIV/AIDS	1 Diabetes	82.9 (63.5 to 107)	50.4 (34.4 to 69.6)	-11 (-20.5 to 0.0522)
2 Neonatal disorders	2 HIV/AIDS	-70.3 (-74.2 to -65.9)	-75.6 (-78.7 to -72.6)	-78 (-80.4 to -75.5)
3 Lower respiratory infect	3 Lower respiratory infect	-7.15 (-20 to 6.2)	-23.7 (-32.1 to -13.6)	-36.3 (-42.4 to -28)
4 COVID-19	4 Neonatal disorders	-24.3 (-38.1 to -7.59)	-37.8 (-47.6 to -25.7)	-15.1 (-27.1 to 0.329)
5 Road injuries	5 Stroke	23.1 (8.55 to 38.7)	1.23 (-10.2 to 15.5)	-41.6 (-47.7 to -33.5)
6 Tuberculosis	6 Road injuries	-3.73 (-35.4 to 49.8)	-20.7 (-45.6 to 23.6)	-22.2 (-46.9 to 22.5)
7 Interpersonal violence	7 Hypertensive heart disease	135 (92.5 to 180)	93.5 (63.3 to 135)	8.14 (-11.8 to 30.4)
8 Diarrheal diseases	8 Ischemic heart disease	17.8 (-10.5 to 52.9)	-3 (-25.4 to 27.8)	-43.1 (-57.4 to -24.4)
9 Stroke	9 Diarrheal diseases	-20.7 (-43.6 to 11.1)	-34.8 (-52.6 to -10.1)	-37.9 (-54.9 to -12.1)
10 Diabetes	10 Interpersonal violence	-27.2 (-36.8 to -17.4)	-40.1 (-45.5 to -34.1)	-38.5 (-44.3 to -32)
11 Ischemic heart disease	11 Chronic kidney disease	109 (72 to 151)	72.2 (41.7 to 106)	12.9 (-6.97 to 39)
12 Self-harm	12 COPD	86.5 (62.9 to 115)	53.4 (34.4 to 77.8)	-12.5 (-23.8 to 1.31)
13 Depressive disorders	13 Tuberculosis	-44.5 (-58.9 to -25.8)	-54.3 (-66.4 to -37.7)	-62.6 (-73 to -48.3)
14 Low back pain	14 Low back pain	55.5 (41 to 71.1)	27.8 (22.4 to 34.3)	-3.34 (-3.59 to -3.05)
15 Congenital defects	15 Depressive disorders	38 (25.3 to 50.9)	13.4 (8.74 to 18.6)	-3.39 (-3.94 to -2.82)
16 Hypertensive heart disease	16 Self-harm	5.71 (-11.1 to 22.6)	-13.1 (-23.9 to 0.0608)	-15.4 (-26.4 to -3.2)
17 Chronic kidney disease	17 Other musculoskeletal	115 (92.9 to 136)	76.9 (67.5 to 87.7)	38.1 (35.7 to 40.3)
18 COPD	18 Headache disorders	29.3 (16.5 to 44)	6.27 (2.07 to 15.2)	-0.0536 (-0.568 to 0.447)
19 Dietary iron deficiency	19 Cirrhosis liver	30.7 (15.3 to 47.1)	7.46 (-2.38 to 19.1)	-21.4 (-28.2 to -13.1)
20 Headache disorders	20 Blindness and vision loss	65.8 (47 to 83.6)	36.2 (25.4 to 47.4)	-5.38 (-6.02 to -4.9)
22 Cirrhosis liver	28 Dietary iron deficiency			
26 Blindness and vision loss	31 Congenital defects			
29 Other musculoskeletal	164 COVID-19			



### Western sub-Saharan Africa, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DALY	Mean % change all-age DALY rate	Mean % change age-standardized DALY rate
1 Neonatal disorders	1 Neonatal disorders	-17.6 (-33.9 to 1.62)	<b>-57.7 (-65.4 to -47.2)</b>	<b>-37.7 (-47.5 to -24.4)</b>
2 Malaria	2 Malaria	-18.7 (-81.3 to 207)	-58.1 (-90.5 to 54.3)	-51.9 (-88 to 81.8)
3 Lower respiratory infect	3 Lower respiratory infect	<b>-25.9 (-38.5 to -12.3)</b>	<b>-61.9 (-68.3 to -54)</b>	<b>-48.1 (-55.8 to -38.2)</b>
4 Diarrheal diseases	4 Diarrheal diseases	<b>-36.8 (-57.3 to -6.48)</b>	<b>-67.5 (-78.1 to -50.8)</b>	<b>-56.9 (-70.1 to -36.8)</b>
5 Congenital defects	5 Stroke	<b>66.5 (43.6 to 95)</b>	-14.3 (-27.9 to 2.63)	<b>-44.4 (-53 to -32.8)</b>
6 HIV/AIDS	6 Congenital defects	-12.6 (-26.4 to 4.77)	<b>-55.1 (-61.2 to -46.3)</b>	<b>-37.1 (-44.4 to -27.1)</b>
7 Stroke	7 Diabetes	<b>208 (175 to 247)</b>	<b>58.4 (38.6 to 82)</b>	3.34 (-9.13 to 17.8)
8 Meningitis	8 Ischemic heart disease	<b>75.1 (25.9 to 141)</b>	-9.78 (-36 to 25.2)	<b>-44.7 (-61.3 to -22.7)</b>
9 Tuberculosis	9 Chronic kidney disease	<b>182 (118 to 262)</b>	<b>45.2 (11.3 to 90.6)</b>	12.1 (-14.2 to 46.9)
10 Dietary iron deficiency	10 Other musculoskeletal	<b>418 (381 to 454)</b>	<b>166 (152 to 180)</b>	<b>101 (96.9 to 105)</b>
11 Road injuries	11 Depressive disorders	<b>134 (118 to 151)</b>	<b>20.1 (15.3 to 25.6)</b>	<b>-3.42 (-3.83 to -2.99)</b>
12 Ischemic heart disease	12 Low back pain	<b>136 (120 to 152)</b>	<b>21.3 (15.9 to 27.1)</b>	<b>-6.6 (-6.9 to -6.28)</b>
13 Pertussis	13 Headache disorders	<b>121 (103 to 141)</b>	<b>13.8 (9.57 to 23.5)</b>	<b>0.469 (0.11 to 0.737)</b>
14 Hemoglobinopathies	14 Dietary iron deficiency	<b>44.6 (29.9 to 59.1)</b>	<b>-25.7 (-27.4 to -23.8)</b>	<b>-19.1 (-20 to -18.1)</b>
15 iNTS	15 Road injuries	<b>37.3 (-17.3 to 130)</b>	<b>-29.3 (-58.3 to 20.7)</b>	<b>-33.4 (-58.9 to 11.8)</b>
16 Maternal disorders	16 Hemoglobinopathies	<b>27.8 (14.1 to 45.4)</b>	<b>-34.3 (-39.6 to -29.3)</b>	<b>-24.8 (-29 to -20.6)</b>
17 Measles	17 Cirrhosis liver	<b>59.1 (35.6 to 85)</b>	<b>-18.1 (-31.1 to -1.19)</b>	<b>-37.4 (-46.1 to -25.5)</b>
18 Diabetes	18 Gynecological diseases	<b>87.6 (57.1 to 123)</b>	-3.42 (-20.9 to 13.6)	<b>-21.7 (-34.4 to -7.05)</b>
19 Cirrhosis liver	19 Age-related hearing loss	<b>153 (133 to 177)</b>	<b>30.1 (22.2 to 37.5)</b>	<b>-2.09 (-2.31 to -1.9)</b>
20 COVID-19	20 Anxiety disorders	<b>113 (95.5 to 131)</b>	<b>9.4 (5.31 to 13.8)</b>	<b>1.56 (1.18 to 1.96)</b>
21 Headache disorders	21 Meningitis			
22 Depressive disorders	22 iNTS			
23 Low back pain	23 Tuberculosis			
25 Chronic kidney disease	26 HIV/AIDS			
27 Gynecological diseases	27 Pertussis			
29 Anxiety disorders	28 Maternal disorders			
32 Age-related hearing loss	30 Measles			

### Armenia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	3.62 (-31.6 to 48.6)	30.3 (-14.7 to 78.7)	<b>-52.8 (-71.1 to -25.9)</b>
2 COVID-19	2 Stroke	-9.61 (-31 to 19.1)	13.7 (-12.9 to 45.8)	<b>-58.2 (-69.2 to -43.6)</b>
3 Stroke	3 Alzheimer's disease	<b>175 (99.9 to 262)</b>	<b>246 (162 to 339)</b>	<b>-8.53 (-11.1 to -6.35)</b>
4 Lung cancer	4 Lung cancer	28.3 (-8.21 to 80.8)	<b>61.5 (12.7 to 121)</b>	-12.8 (-36.7 to 16.5)
5 Lower respiratory infect	5 Lower respiratory infect	<b>66.2 (30.6 to 113)</b>	<b>109 (65.2 to 155)</b>	<b>-27.6 (-42.8 to -7.39)</b>
6 Alzheimer's disease	6 COPD	<b>118 (53.9 to 213)</b>	<b>175 (100 to 277)</b>	-6.33 (-34.5 to 30.7)
7 Cirrhosis liver	7 Hypertensive heart disease	<b>92.5 (24.1 to 179)</b>	<b>142 (54.5 to 252)</b>	-13.4 (-45.5 to 36.8)
8 Hypertensive heart disease	8 Pancreatic cancer	<b>103 (27.7 to 201)</b>	<b>156 (66.4 to 290)</b>	27.2 (-10.8 to 78.4)
9 Diabetes	9 Colorectal cancer	<b>58.3 (1.19 to 139)</b>	<b>99.2 (29.1 to 210)</b>	-5.24 (-34.5 to 37.1)
10 COPD	10 Cirrhosis liver	<b>27.4 (5.52 to 53.7)</b>	<b>60.2 (35.3 to 86.3)</b>	-14.1 (-28.1 to 2.68)
11 Colorectal cancer	11 Chronic kidney disease	<b>89.8 (29.8 to 163)</b>	<b>139 (65.5 to 231)</b>	3.38 (-31.2 to 51.9)
12 Breast cancer	12 Breast cancer	45.1 (-2.94 to 108)	<b>82.6 (23.7 to 161)</b>	-7.94 (-31.1 to 20.8)
13 Pancreatic cancer	13 Diabetes	7.99 (-23.5 to 49.6)	35.9 (-1.54 to 81.9)	<b>-38.5 (-56.1 to -16.2)</b>
14 Stomach cancer	14 Aortic aneurysm	35.2 (-0.794 to 82.7)	<b>70.3 (32.1 to 133)</b>	<b>-24.7 (-35.2 to -9.01)</b>
15 Chronic kidney disease	15 Liver cancer	<b>70.9 (23.2 to 129)</b>	<b>115 (59.3 to 179)</b>	11.8 (-19.5 to 53)
16 Aortic aneurysm	16 Prostate cancer	<b>77.6 (27.1 to 158)</b>	<b>124 (61.9 to 213)</b>	-4.19 (-22.1 to 18.6)
17 Road injuries	17 Stomach cancer	-4.53 (-22.3 to 14.2)	<b>20.2 (1.24 to 45.7)</b>	<b>-39.7 (-46.9 to -31.1)</b>
18 Liver cancer	18 Urinary diseases	<b>109 (60.1 to 176)</b>	<b>162 (103 to 238)</b>	5.09 (-18.3 to 35.6)
19 Prostate cancer	19 Vascular intestinal	<b>84.3 (36.1 to 134)</b>	<b>132 (72.2 to 213)</b>	-10 (-24.4 to 4)
20 Upper digest diseases	20 Brain cancer	<b>63.9 (33.4 to 101)</b>	<b>106 (79.2 to 133)</b>	<b>29.2 (18.4 to 40.1)</b>
21 Brain cancer	23 Road injuries			
23 Vascular intestinal	25 Upper digest diseases			
24 Urinary diseases	130 COVID-19			

### Azerbaijan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	88 (19.6 to 161)	76.6 (15.7 to 140)	-41.7 (-67 to -2.21)
2 COVID-19	2 Stroke	96.3 (48.2 to 152)	84.2 (45.9 to 129)	-38.4 (-55.2 to -16.5)
3 Stroke	3 Alzheimer's disease	388 (221 to 596)	357 (211 to 528)	3.88 (1.54 to 6.62)
4 Cirrhosis liver	4 Cirrhosis liver	100 (58.6 to 143)	88 (58.9 to 117)	-9.13 (-23.3 to 9.8)
5 Lower respiratory infect	5 Hypertensive heart disease	231 (103 to 390)	211 (97.1 to 352)	6.43 (-39 to 70)
6 Diabetes	6 COPD	216 (131 to 311)	197 (119 to 279)	0.401 (-30.7 to 43.1)
7 Hypertensive heart disease	7 Lung cancer	97.1 (22.4 to 181)	84.5 (22.6 to 170)	-4.19 (-33.7 to 32.3)
8 Lung cancer	8 Diabetes	65.5 (12.2 to 130)	55.5 (9.09 to 110)	-27.1 (-51.3 to 6.47)
9 Neonatal disorders	9 Chronic kidney disease	182 (85.5 to 295)	165 (73.4 to 267)	23.2 (-24.7 to 89.7)
10 Cardiomyopathy	10 Lower respiratory infect	4.05 (-24.3 to 40.1)	-2.34 (-27.5 to 27.1)	<b>-46.6 (-60.5 to -28.6)</b>
11 Stomach cancer	11 Liver cancer	176 (94.6 to 269)	159 (85.5 to 245)	24 (-10.2 to 75.2)
12 Alzheimer's disease	12 Cardiomyopathy	50.9 (12.1 to 111)	41.5 (11.8 to 90.7)	<b>-23.3 (-35.3 to -11.2)</b>
13 COPD	13 Stomach cancer	52.7 (22 to 85.9)	43.2 (20 to 65.6)	<b>-34.2 (-41.5 to -26.6)</b>
14 Chronic kidney disease	14 Colorectal cancer	135 (37.9 to 265)	120 (25.7 to 236)	3.44 (-33.9 to 50.6)
15 Breast cancer	15 Breast cancer	79.1 (18.1 to 157)	67.7 (14.7 to 135)	-4.19 (-31.5 to 28.9)
16 Liver cancer	16 Pancreatic cancer	218 (88.1 to 380)	198 (72.6 to 364)	39.3 (-10 to 101)
17 Colorectal cancer	17 Esophageal cancer	139 (101 to 192)	124 (93.3 to 160)	1.62 (-11.2 to 17.5)
18 Road injuries	18 Parkinson's disease	297 (207 to 417)	273 (191 to 359)	0.76 (-12.3 to 18)
19 Esophageal cancer	19 Brain cancer	99.9 (67.7 to 135)	87.5 (69.8 to 110)	<b>33 (23.6 to 44.3)</b>
20 Brain cancer	20 Prostate cancer	204 (104 to 324)	185 (102 to 278)	7.49 (-16.6 to 32.2)
22 Pancreatic cancer	23 Road injuries			
28 Prostate cancer	24 Neonatal disorders			
33 Parkinson's disease	130 COVID-19			

### Georgia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	-23 (-38.9 to -6.52)	-17.5 (-35.7 to 1.93)	-48.8 (-60.6 to -34.5)
2 Ischemic heart disease	2 Ischemic heart disease	-24.3 (-50 to 5.81)	-18.7 (-47 to 11)	-49.3 (-67.6 to -25.2)
3 COVID-19	3 Hypertensive heart disease	43.5 (-5.98 to 102)	54.2 (-0.432 to 121)	-6.52 (-42 to 45.4)
4 Hypertensive heart disease	4 Alzheimer's disease	113 (57.7 to 166)	128 (74.6 to 187)	-1.52 (-3.95 to 1.08)
5 Lower respiratory infect	5 Lung cancer	62.5 (14.9 to 117)	73.8 (27.1 to 124)	43.8 (9 to 89.7)
6 Lung cancer	6 Lower respiratory infect	15 (-7.25 to 38.2)	23.3 (-0.226 to 49.1)	-16.5 (-32 to 0.218)
7 Alzheimer's disease	7 Cirrhosis liver	13 (-8.1 to 34.1)	21 (4.4 to 40.8)	12.3 (-7.28 to 35.6)
8 Cirrhosis liver	8 Chronic kidney disease	62.4 (12.4 to 118)	74.3 (16.4 to 135)	20 (-19.5 to 73.5)
9 Diabetes	9 Breast cancer	15.7 (-16.6 to 56.1)	23.7 (-11.5 to 66.7)	-3.19 (-25.7 to 22.4)
10 Breast cancer	10 Colorectal cancer	29.7 (-16.3 to 83.8)	38.7 (-10 to 98)	5.61 (-26.5 to 46.1)
11 Colorectal cancer	11 Diabetes	-3.27 (-31.6 to 25.4)	3.76 (-24.7 to 40.6)	-25.6 (-46.1 to -1.75)
12 Chronic kidney disease	12 COPD	34.9 (-0.713 to 75)	44.7 (5.44 to 94.5)	-5.85 (-31.1 to 24.7)
13 Stomach cancer	13 Prostate cancer	38.5 (0.0289 to 84.9)	48.2 (7.4 to 95.4)	4.57 (-16.6 to 26.9)
14 COPD	14 Pancreatic cancer	67.2 (11.4 to 144)	78.7 (19.5 to 144)	38.9 (-2.16 to 92.3)
15 Prostate cancer	15 Atrial fibrillation	67.1 (30.2 to 115)	79 (44.2 to 128)	-2.21 (-12.8 to 10.9)
16 Road injuries	16 Stomach cancer	-22.1 (-35.6 to -7.12)	-16.6 (-27.9 to -2.3)	-35.7 (-42.7 to -27.3)
17 Falls	17 Road injuries	-12.2 (-42.6 to 32.5)	-5.87 (-39.8 to 42)	-9.44 (-43.8 to 39.1)
18 Pancreatic cancer	18 Brain cancer	42.6 (19.3 to 64.8)	52.6 (39 to 70)	33.8 (24.4 to 46.1)
19 Cardiomyopathy	19 Falls	9.72 (-10.8 to 31.5)	17.4 (-0.64 to 37.8)	-13.2 (-25.6 to 0.327)
20 Brain cancer	20 Skin cancer	82.3 (29.9 to 156)	95.3 (41.7 to 171)	18.1 (-2.08 to 47.2)
21 Atrial fibrillation	25 Cardiomyopathy			
35 Skin cancer	130 COVID-19			

### Kazakhstan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Ischemic heart disease	42.5 (-1.63 to 88.8)	17.5 (-17.3 to 54.2)	-48.1 (-68.7 to -19.5)
2 Ischemic heart disease	2 Stroke	33.1 (5.1 to 61.5)	9.73 (-11.7 to 30.5)	-50.2 (-63 to -32.8)
3 Stroke	3 COPD	122 (69.3 to 186)	83.1 (40.9 to 131)	-7.53 (-35.6 to 25.7)
4 Cardiomyopathy	4 Cirrhosis liver	41.9 (18.3 to 65.9)	16.9 (-0.983 to 32.9)	-19.8 (-32.9 to -3.7)
5 COPD	5 Cardiomyopathy	38.9 (12.1 to 73.7)	14.3 (-6.46 to 39.1)	-24 (-34.1 to -10.6)
6 Cirrhosis liver	6 Alzheimer's disease	272 (157 to 394)	206 (124 to 295)	4.26 (1.93 to 7.1)
7 Lower respiratory infect	7 Lower respiratory infect	54.7 (27.1 to 85.8)	27.5 (8.09 to 53.7)	-24.9 (-38.6 to -5.57)
8 Self-harm	8 Chronic kidney disease	175 (96 to 281)	127 (58.5 to 208)	27 (-17.7 to 88.4)
9 Lung cancer	9 Lung cancer	55.8 (1.39 to 119)	28.1 (-13.6 to 72.5)	-16.2 (-39.1 to 9.69)
10 Road injuries	10 Self-harm	13.2 (-12.1 to 40.3)	-6.78 (-22.8 to 15.3)	-13.5 (-29.1 to 10.7)
11 Alzheimer's disease	11 Colorectal cancer	105 (27.2 to 208)	68.8 (2.98 to 144)	-0.317 (-32.5 to 37.1)
12 Chronic kidney disease	12 Hypertensive heart disease	142 (64.1 to 236)	99.7 (32.9 to 180)	-4.68 (-43.2 to 53.8)
13 Stomach cancer	13 Pancreatic cancer	162 (63.9 to 290)	115 (35.2 to 210)	35.3 (-8.71 to 85)
14 Colorectal cancer	14 Urinary diseases	130 (84.8 to 179)	89.2 (56 to 127)	11.5 (-11.5 to 40.6)
15 Neonatal disorders	15 Diabetes	55.6 (13.9 to 105)	28.3 (-5.88 to 69.6)	-27.7 (-49 to 0.207)
16 Diabetes	16 Stomach cancer	21.2 (0.914 to 42.7)	-0.18 (-12.3 to 14.5)	-36.8 (-43.4 to -28.9)
17 Breast cancer	17 Breast cancer	62.8 (8.43 to 124)	33.8 (-7.42 to 82.5)	-9.42 (-33.3 to 17.4)
18 Asthma	18 Road injuries	9.38 (-32.4 to 74.7)	-9.78 (-43.7 to 41.7)	-14.6 (-48.3 to 37.5)
19 Congenital defects	19 Parkinson's disease	218 (156 to 285)	162 (114 to 211)	4.84 (-10.7 to 19.1)
20 Hypertensive heart disease	20 Liver cancer	130 (71.7 to 200)	89.2 (42.8 to 143)	16.6 (-15.4 to 61.6)
21 Urinary diseases	26 Asthma			
23 Pancreatic cancer	37 Congenital defects			
25 Liver cancer	39 Neonatal disorders			
30 Parkinson's disease	130 COVID-19			

### Kyrgyzstan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Ischemic heart disease	120 (45.3 to 211)	83.2 (25.4 to 152)	-29.1 (-59.3 to 19.9)
2 Ischemic heart disease	2 Stroke	60 (19.8 to 103)	33.5 (4.14 to 71.6)	-39.2 (-56.7 to -16.3)
3 Stroke	3 COPD	244 (149 to 344)	187 (117 to 275)	13.4 (-24.3 to 70.8)
4 Cirrhosis liver	4 Cirrhosis liver	55.7 (21.3 to 89.9)	29.8 (7.4 to 54.4)	-12.6 (-28.8 to 6.36)
5 Neonatal disorders	5 Alzheimer's disease	347 (191 to 515)	272 (164 to 398)	14.7 (11.2 to 18)
6 COPD	6 Hypertensive heart disease	223 (103 to 373)	169 (69.6 to 295)	12.4 (-37.2 to 88.7)
7 Road injuries	7 Lung cancer	165 (62.3 to 281)	120 (48 to 215)	17.5 (-15.8 to 60.3)
8 Lower respiratory infect	8 Chronic kidney disease	177 (77.6 to 294)	131 (47.1 to 237)	29.9 (-20.7 to 107)
9 Stomach cancer	9 Stomach cancer	56.1 (22.3 to 92.6)	30 (11.6 to 51.1)	-30.1 (-38.7 to -21.4)
10 Hypertensive heart disease	10 Road injuries	11.1 (-39.5 to 95.7)	-7.31 (-46.2 to 61.1)	-17 (-52.6 to 44.5)
11 Alzheimer's disease	11 Lower respiratory infect	9.4 (-16.2 to 37.5)	-8.77 (-28.8 to 11.3)	-31.4 (-48.6 to -13.2)
12 Self-harm	12 Pancreatic cancer	249 (102 to 463)	190 (83.2 to 332)	49.1 (-0.677 to 114)
13 Lung cancer	13 Neonatal disorders	-41.3 (-72.3 to 7)	-51.1 (-76.3 to -12.8)	-33.1 (-67.7 to 16.1)
14 Cardiomyopathy	14 Colorectal cancer	143 (39.6 to 281)	102 (23.7 to 201)	1.28 (-34 to 45.5)
15 Chronic kidney disease	15 Self-harm	17.2 (-14.3 to 50.8)	-2.35 (-24.1 to 23.2)	-16.6 (-35.9 to 7.74)
16 Congenital defects	16 Cardiomyopathy	33.1 (-2.41 to 89.2)	10.8 (-14.5 to 45.2)	-26.8 (-42.5 to -6.25)
17 Diabetes	17 Diabetes	78.8 (22.5 to 149)	49 (2.09 to 98.3)	-20.3 (-47.9 to 11.2)
18 Breast cancer	18 Breast cancer	88.2 (23.5 to 170)	56.6 (8.18 to 114)	-7.36 (-31.9 to 23)
19 Colorectal cancer	19 Liver cancer	223 (120 to 343)	170 (87.5 to 279)	39.4 (-5.92 to 103)
20 Alcohol use disorders	20 Urinary diseases	193 (105 to 279)	144 (80.8 to 224)	31.2 (-9.3 to 88.1)
22 Pancreatic cancer	21 Alcohol use disorders			
29 Liver cancer	34 Congenital defects			
31 Urinary diseases	130 COVID-19			

### Mongolia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	90.4 (27.3 to 160)	18.3 (-20 to 64.8)	-46.7 (-70 to -9.42)
2 Stroke	2 Liver cancer	247 (148 to 360)	116 (52.5 to 197)	29.2 (-14.7 to 85.4)
3 Liver cancer	3 Stroke	92.2 (57.7 to 132)	19.3 (-5.26 to 46.5)	-37.9 (-53.9 to -19.2)
4 Cirrhosis liver	4 Cirrhosis liver	174 (126 to 220)	69.8 (38.4 to 105)	10.6 (-12.1 to 36)
5 Stomach cancer	5 Stomach cancer	75.7 (45.6 to 102)	9.01 (-10.1 to 26.2)	-35.2 (-42.4 to -27.5)
6 Alcohol use disorders	6 Lung cancer	176 (72.7 to 304)	71.2 (10.1 to 149)	1.4 (-29.5 to 36.8)
7 Lower respiratory infect	7 Alzheimer's disease	433 (271 to 606)	230 (128 to 339)	4.18 (1.51 to 7.06)
8 Lung cancer	8 Esophageal cancer	221 (175 to 271)	98.9 (69.3 to 132)	5.83 (-7.93 to 20.4)
9 COVID-19	9 COPD	235 (154 to 333)	108 (53.4 to 167)	-8.16 (-39.2 to 31.6)
10 Road injuries	10 Chronic kidney disease	211 (108 to 332)	93.3 (30.2 to 174)	15.2 (-29.3 to 80.4)
11 Self-harm	11 Alcohol use disorders	46.8 (-1.57 to 106)	-8.86 (-40.3 to 32.9)	-9.25 (-41.1 to 35.8)
12 Neonatal disorders	12 Self-harm	74.6 (35.7 to 128)	8.36 (-15.9 to 41.8)	1.63 (-20.7 to 34.9)
13 Tuberculosis	13 Cardiomyopathy	115 (74.2 to 168)	33.5 (7.57 to 70.6)	-6.72 (-21.3 to 15.1)
14 Cardiomyopathy	14 Road injuries	50.7 (-3.63 to 128)	-6.39 (-39.9 to 46.7)	-10.6 (-42.6 to 41.8)
15 Esophageal cancer	15 Pancreatic cancer	289 (128 to 500)	141 (40.5 to 265)	45.2 (-5.1 to 111)
16 COPD	16 Lower respiratory infect	17.9 (-5.33 to 50.2)	-26.8 (-42.4 to -8.22)	-36.8 (-50.1 to -18.5)
17 Chronic kidney disease	17 Hypertensive heart disease	230 (107 to 372)	105 (24.5 to 204)	-5.56 (-51.2 to 58.1)
18 Alzheimer's disease	18 Colorectal cancer	171 (58.5 to 303)	67.9 (-2.86 to 151)	-0.546 (-35.3 to 41.3)
19 Congenital defects	19 Neonatal disorders	-12.3 (-50.5 to 44.5)	-45.6 (-70.2 to -11.7)	-31.7 (-61 to 11)
20 Diabetes	20 Diabetes	70.4 (18.6 to 123)	5.81 (-25.4 to 42.7)	-33.4 (-56.6 to -6.19)
22 Pancreatic cancer	22 Tuberculosis			
24 Colorectal cancer	35 Congenital defects			
26 Hypertensive heart disease	129 COVID-19			

### Tajikistan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	191 (90 to 298)	95.4 (25.4 to 182)	-25.6 (-58.2 to 25.5)
2 Stroke	2 Stroke	153 (88 to 216)	69.4 (28.4 to 107)	-33.7 (-54.8 to -8.28)
3 Lower respiratory infect	3 Hypertensive heart disease	269 (126 to 436)	147 (47.8 to 273)	-7.62 (-49.8 to 63.2)
4 COVID-19	4 COPD	204 (117 to 300)	104 (46.8 to 160)	-21 (-47.4 to 16.1)
5 Neonatal disorders	5 Alzheimer's disease	439 (262 to 642)	260 (151 to 375)	1.84 (-1.92 to 4.79)
6 Cirrhosis liver	6 Lower respiratory infect	-25.4 (-45.1 to -4.83)	-50.1 (-61 to -34.6)	-51.7 (-63.1 to -36.3)
7 Hypertensive heart disease	7 Cirrhosis liver	88.6 (45.3 to 131)	26.4 (-1.03 to 51.4)	-21.5 (-38 to -4.42)
8 Diarrheal diseases	8 Diabetes	139 (60 to 244)	60.8 (5.25 to 131)	-14.4 (-46.6 to 26.5)
9 COPD	9 Neonatal disorders	-33.4 (-68.7 to 25.5)	-55.3 (-78.8 to -12.6)	-37.8 (-70.5 to 20.5)
10 Diabetes	10 Stomach cancer	81.9 (43.3 to 121)	21.6 (3.66 to 41.6)	-38.1 (-44 to -31.4)
11 Stomach cancer	11 Lung cancer	146 (47.3 to 274)	64.2 (6.37 to 140)	-12.4 (-37.5 to 23.5)
12 Congenital defects	12 Parkinson's disease	375 (256 to 523)	217 (158 to 290)	-4.48 (-17.3 to 10.9)
13 Tuberculosis	13 Brain cancer	141 (99.5 to 192)	61.4 (45.5 to 81.1)	31.2 (20.5 to 44.1)
14 Alzheimer's disease	14 Esophageal cancer	169 (119 to 219)	79.7 (57.5 to 108)	-17.2 (-27.3 to -5.45)
15 Road injuries	15 Breast cancer	129 (48.1 to 263)	53 (3.15 to 127)	-3.33 (-31.4 to 34.6)
16 Drowning	16 Liver cancer	238 (133 to 349)	127 (59.9 to 215)	13.3 (-22.4 to 59.2)
17 Lung cancer	17 Road injuries	31.3 (-27.5 to 109)	-11.8 (-50.4 to 49.4)	-19.6 (-56 to 41.8)
18 Idiopathic epilepsy	18 Urinary diseases	205 (119 to 286)	104 (47.2 to 156)	10.3 (-25.7 to 47.3)
19 Falls	19 Colorectal cancer	188 (55.7 to 379)	91.7 (15.4 to 202)	-2.25 (-36.5 to 43.7)
20 Brain cancer	20 Idiopathic epilepsy	30.5 (-25.5 to 112)	-12.4 (-50.4 to 46.5)	-11.5 (-50.9 to 49.7)
21 Breast cancer	21 Falls			
22 Esophageal cancer	24 Diarrheal diseases			
25 Colorectal cancer	26 Congenital defects			
27 Urinary diseases	27 Tuberculosis			
28 Liver cancer	28 Drowning			
30 Parkinson's disease	130 COVID-19			



### Turkmenistan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	55.8 (-2.3 to 129)	23.7 (-22 to 80.2)	<b>-46 (-71.2 to -3.81)</b>
2 Stroke	2 Stroke	30.2 (-2.45 to 79.2)	3.29 (-22.9 to 38.5)	<b>-48.1 (-65.8 to -19.8)</b>
3 Cirrhosis liver	3 Cirrhosis liver	<b>61.8 (27.8 to 106)</b>	<b>28.4 (1.65 to 62.7)</b>	-3.94 (-25.6 to 24.6)
4 COVID-19	4 Alzheimer's disease	<b>287 (125 to 479)</b>	<b>206 (81.6 to 342)</b>	-1.06 (-4.04 to 1.7)
5 Lower respiratory infect	5 Hypertensive heart disease	<b>168 (64.5 to 304)</b>	<b>113 (29.5 to 227)</b>	-0.954 (-49 to 75.7)
6 Neonatal disorders	6 Chronic kidney disease	<b>143 (54.3 to 282)</b>	<b>93.3 (22.6 to 202)</b>	18.7 (-32.7 to 104)
7 Diabetes	7 Diabetes	50.1 (-1.17 to 122)	19.3 (-21.4 to 74.5)	-27.3 (-56.1 to 18.3)
8 Chronic kidney disease	8 Urinary diseases	<b>164 (87.5 to 252)</b>	<b>109 (53.7 to 180)</b>	20.1 (-19.7 to 83.1)
9 Hypertensive heart disease	9 Lower respiratory infect	<b>-32.8 (-48.9 to -11.6)</b>	<b>-46.7 (-60.4 to -30)</b>	<b>-51.7 (-65.3 to -33.5)</b>
10 Cardiomyopathy	10 Cardiomyopathy	<b>42.1 (11.1 to 84.8)</b>	12.4 (-8.21 to 37.3)	<b>-24.3 (-34.4 to -12.1)</b>
11 Congenital defects	11 COPD	<b>120 (59.4 to 192)</b>	<b>74.4 (27 to 130)</b>	-17.5 (-50.3 to 30.7)
12 Alzheimer's disease	12 Esophageal cancer	<b>107 (66.8 to 148)</b>	<b>64.2 (41.5 to 90.4)</b>	-8.35 (-21.3 to 9.01)
13 Self-harm	13 Self-harm	27 (-7.85 to 74.1)	0.825 (-26.5 to 37.8)	-8.76 (-34.4 to 26.7)
14 Urinary diseases	14 Lung cancer	63.8 (-5.45 to 155)	29.3 (-22.4 to 95.4)	-19.9 (-46.8 to 13.4)
15 Stomach cancer	15 Liver cancer	<b>154 (54.1 to 280)</b>	<b>102 (25.2 to 206)</b>	23.7 (-26.7 to 106)
16 COPD	16 Neonatal disorders	-43.9 (-74.5 to 8.66)	<b>-55.4 (-79.1 to -16.2)</b>	-41.2 (-70.4 to 5.09)
17 Lung cancer	17 Brain cancer	<b>94.5 (63.3 to 124)</b>	<b>54 (38.6 to 70.8)</b>	<b>26.3 (16.5 to 36.2)</b>
18 Tuberculosis	18 Breast cancer	<b>65.6 (1.85 to 155)</b>	30.8 (-15.6 to 91.5)	-10.7 (-38.4 to 26)
19 Esophageal cancer	19 Stomach cancer	<b>29.4 (1.8 to 61.1)</b>	2.5 (-15.8 to 22.4)	<b>-39.4 (-47 to -31.8)</b>
20 Road injuries	20 Colorectal cancer	<b>114 (15.6 to 264)</b>	69.1 (-5.47 to 176)	-4.02 (-40.2 to 45.3)
21 Breast cancer	21 Road injuries			
22 Brain cancer	23 Congenital defects			
23 Liver cancer	30 Tuberculosis			
24 Colorectal cancer	130 COVID-19			

### Uzbekistan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	117 (33.3 to 231)	66.8 (8.88 to 124)	-34.1 (-62.6 to 10.8)
2 Stroke	2 Stroke	82.8 (27.4 to 151)	40.4 (9.8 to 71.6)	-41.2 (-58.3 to -17.2)
3 COVID-19	3 Alzheimer's disease	385 (184 to 595)	273 (136 to 421)	4.19 (1.63 to 6.98)
4 Lower respiratory infect	4 Diabetes	99 (28.4 to 211)	53 (6.18 to 122)	-15.8 (-44.6 to 33.1)
5 Cirrhosis liver	5 Cirrhosis liver	58 (10.4 to 120)	21.4 (2.72 to 51.6)	-15.4 (-31.9 to 8.11)
6 Diabetes	6 Chronic kidney disease	249 (113 to 438)	168 (79 to 268)	42.2 (-15.4 to 128)
7 Neonatal disorders	7 Hypertensive heart disease	183 (63.4 to 336)	118 (39.3 to 220)	-7.52 (-47.1 to 49.3)
8 Hypertensive heart disease	8 Lower respiratory infect	-19.6 (-45.3 to 18.7)	-38.3 (-51.3 to -18.2)	-43.6 (-58 to -18.7)
9 Road injuries	9 COPD	220 (119 to 357)	146 (82.3 to 210)	-3.72 (-37.2 to 42)
10 Chronic kidney disease	10 Lung cancer	126 (32.4 to 232)	73.9 (7.42 to 153)	-2.23 (-34.3 to 34)
11 Self-harm	11 Neonatal disorders	-21 (-62.1 to 57.4)	-39.5 (-67.6 to 3.75)	-17.3 (-55.1 to 34.1)
12 Alzheimer's disease	12 Road injuries	15.8 (-43.2 to 131)	-11.2 (-52.3 to 67.9)	-18.3 (-57 to 56.4)
13 Congenital defects	13 Self-harm	16.9 (-20.7 to 67.7)	-10.3 (-31.2 to 19.4)	-16.5 (-38.6 to 15)
14 Stomach cancer	14 Breast cancer	85.9 (8.17 to 186)	43 (-6.17 to 102)	-5.48 (-33.3 to 27.9)
15 Lung cancer	15 Liver cancer	172 (68.4 to 338)	109 (39.1 to 204)	20.9 (-23.4 to 84.5)
16 Breast cancer	16 Colorectal cancer	149 (38.5 to 293)	91.3 (14 to 199)	4.15 (-32.7 to 52.4)
17 COPD	17 Stomach cancer	44.9 (3.33 to 89.5)	11.4 (-3.97 to 29.7)	-38 (-44.3 to -31)
18 Drowning	18 Brain cancer	110 (53.2 to 172)	61.1 (45.7 to 78.6)	28.1 (18.5 to 38.4)
19 Brain cancer	19 Esophageal cancer	134 (71.3 to 210)	80.1 (53 to 104)	-6.91 (-21.4 to 6.71)
20 Rheumatic heart disease	20 Pancreatic cancer	246 (91 to 446)	166 (55.8 to 296)	42.1 (-7.67 to 106)
22 Colorectal cancer	25 Congenital defects			
23 Liver cancer	26 Rheumatic heart disease			
25 Esophageal cancer	33 Drowning			
33 Pancreatic cancer	130 COVID-19			

### Albania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Stroke	<b>39.7 (4.25 to 82.6)</b>	<b>59.6 (24.9 to 94.2)</b>	<b>-32.4 (-49.8 to -12.4)</b>
2 Stroke	2 Ischemic heart disease	11.1 (-23.4 to 51.8)	27 (-8.56 to 72.3)	<b>-43.6 (-63.9 to -11.2)</b>
<span style="color: red;">3 COVID-19</span>	3 Alzheimer's disease	<b>165 (103 to 250)</b>	<b>203 (135 to 275)</b>	<b>14.3 (11.6 to 17.2)</b>
4 Lung cancer	4 Lung cancer	<b>63.9 (15.2 to 115)</b>	<b>87.4 (34.7 to 145)</b>	15.4 (-10.1 to 43.7)
5 Alzheimer's disease	5 COPD	<b>111 (48.3 to 179)</b>	<b>142 (79.6 to 218)</b>	8.84 (-21.5 to 48.8)
6 COPD	6 Chronic kidney disease	<b>125 (65.1 to 208)</b>	<b>157 (90.9 to 238)</b>	20.5 (-12.5 to 71.2)
<span style="color: red;">7 Lower respiratory infect</span>	<span style="color: red;">7 Lower respiratory infect</span>	<b>66.5 (25.5 to 111)</b>	<b>90.3 (45.3 to 138)</b>	<b>-21.4 (-37.8 to -4.12)</b>
8 Stomach cancer	8 Hypertensive heart disease	<b>113 (38.8 to 211)</b>	<b>144 (60.4 to 253)</b>	5.91 (-32.5 to 64.1)
9 Hypertensive heart disease	9 Liver cancer	<b>109 (58.6 to 171)</b>	<b>138 (86 to 197)</b>	<b>45.2 (13.6 to 89.4)</b>
10 Chronic kidney disease	10 Colorectal cancer	<b>99.8 (21.6 to 199)</b>	<b>128 (42.3 to 250)</b>	19.4 (-15.4 to 68.2)
11 Liver cancer	11 Pancreatic cancer	<b>136 (46 to 232)</b>	<b>170 (68 to 270)</b>	<b>55.4 (5.62 to 101)</b>
12 Cardiomyopathy	12 Prostate cancer	<b>88 (29.9 to 175)</b>	<b>115 (56.6 to 197)</b>	3.79 (-16.9 to 31.4)
13 Colorectal cancer	13 Cardiomyopathy	<b>56.2 (12.3 to 115)</b>	<b>78.4 (30 to 146)</b>	<b>-18.2 (-31.3 to -2.93)</b>
14 Prostate cancer	14 Atrial fibrillation	<b>191 (107 to 304)</b>	<b>233 (145 to 346)</b>	<b>25.1 (5.87 to 49.4)</b>
15 Other cardiovascular	15 Stomach cancer	16.6 (-6.55 to 54.7)	<b>33.2 (9.21 to 64.3)</b>	<b>-26.3 (-33.9 to -16.7)</b>
16 Cirrhosis liver	16 Parkinson's disease	<b>98.7 (55.7 to 157)</b>	<b>127 (79.3 to 181)</b>	-0.55 (-15.9 to 16.1)
17 Pancreatic cancer	17 Other cardiovascular	<b>53.8 (15.5 to 96.8)</b>	<b>75.8 (35.9 to 120)</b>	-15.6 (-31.4 to 5.32)
18 Parkinson's disease	18 Breast cancer	<b>72.1 (15.8 to 150)</b>	<b>96.7 (36.7 to 187)</b>	10.2 (-16 to 41.3)
19 Breast cancer	19 Brain cancer	<b>78.3 (48.7 to 117)</b>	<b>104 (82.1 to 127)</b>	<b>43 (33.3 to 54.7)</b>
20 Diabetes	20 Cirrhosis liver	<b>26.5 (3.14 to 52.4)</b>	<b>44.5 (22.3 to 66.6)</b>	-3.02 (-16.2 to 13.6)
22 Brain cancer	21 Diabetes			
23 Atrial fibrillation	129 COVID-19			

### Bosnia and Herzegovina, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-9.71 (-42.3 to 36.4)	27.1 (-18.7 to 90.9)	<b>-51.6 (-71.2 to -23.8)</b>
2 Stroke	2 Stroke	-21.3 (-39.4 to 3.38)	10.8 (-17.8 to 47.2)	<b>-56.2 (-67.9 to -39.5)</b>
3 COVID-19	3 Alzheimer's disease	<b>176 (90.8 to 272)</b>	<b>288 (183 to 416)</b>	<b>5.73 (2.81 to 8.64)</b>
4 Lung cancer	4 Lung cancer	14.9 (-24.5 to 64)	<b>61.1 (11 to 109)</b>	-4.74 (-31 to 25.3)
5 Diabetes	5 Diabetes	11 (-21.3 to 54.1)	<b>56.1 (11.4 to 116)</b>	-28.7 (-49.8 to 1.46)
6 Alzheimer's disease	6 Colorectal cancer	47.7 (-10.2 to 130)	<b>107 (29.4 to 204)</b>	3.86 (-31.4 to 43.5)
7 Colorectal cancer	7 Hypertensive heart disease	<b>78.7 (9.85 to 186)</b>	<b>152 (52.5 to 295)</b>	-2.22 (-43.1 to 69.5)
8 COPD	8 COPD	<b>54.2 (7.89 to 113)</b>	<b>117 (52.4 to 195)</b>	-5.98 (-35.3 to 34.5)
9 Cardiomyopathy	9 Cardiomyopathy	38.1 (-5.06 to 110)	<b>93.7 (44.6 to 172)</b>	<b>-23.2 (-35.6 to -6.74)</b>
10 Hypertensive heart disease	10 Chronic kidney disease	<b>84.1 (25.7 to 170)</b>	<b>159 (66.8 to 276)</b>	10.6 (-30 to 71)
11 Chronic kidney disease	11 Pancreatic cancer	<b>88 (17.3 to 180)</b>	<b>164 (69.2 to 275)</b>	41.2 (-2.74 to 96.4)
12 Cirrhosis liver	12 Prostate cancer	<b>73.8 (18.7 to 152)</b>	<b>144 (77.3 to 244)</b>	8.48 (-14 to 32.3)
13 Breast cancer	13 Breast cancer	27.6 (-18.7 to 92.5)	<b>78.8 (20.6 to 160)</b>	-4.2 (-28.9 to 29.1)
14 Pancreatic cancer	14 Liver cancer	<b>69.9 (24.3 to 139)</b>	<b>139 (72.8 to 249)</b>	36.7 (-6.47 to 99.7)
15 Stomach cancer	15 Atrial fibrillation	<b>139 (77 to 224)</b>	<b>236 (158 to 349)</b>	11.5 (-2.91 to 29.3)
16 Lower respiratory infect	16 Lower respiratory infect	<b>37.4 (6.22 to 78.2)</b>	<b>93 (49.9 to 150)</b>	<b>-23.5 (-38 to -1.73)</b>
17 Prostate cancer	17 Brain cancer	<b>45.1 (16.9 to 72.4)</b>	<b>104 (72.3 to 143)</b>	<b>29.9 (19.2 to 41.5)</b>
18 Brain cancer	18 Parkinson's disease	<b>69.4 (33.1 to 108)</b>	<b>138 (94.6 to 187)</b>	-2.51 (-14.9 to 13)
19 Liver cancer	19 Cirrhosis liver	-6.16 (-24.1 to 20)	<b>31.9 (8.73 to 64.5)</b>	-7.63 (-22.7 to 15.4)
20 Self-harm	20 Stomach cancer	-11.8 (-30.8 to 7.32)	<b>23.9 (3.38 to 49.6)</b>	<b>-35.7 (-42.2 to -28)</b>
21 Parkinson's disease	25 Self-harm			
24 Atrial fibrillation	130 COVID-19			

### Bulgaria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Hypertensive heart disease	19.3 (-16.7 to 56.7)	<b>64.4 (15.3 to 115)</b>	9.8 (-27.4 to 55.2)
2 Stroke	2 Ischemic heart disease	<b>-42.4 (-57.2 to -24.1)</b>	-20.7 (-42 to 4.85)	<b>-47.3 (-64.7 to -21.9)</b>
3 Hypertensive heart disease	3 Stroke	<b>-43.9 (-53.7 to -33)</b>	<b>-22.7 (-35.7 to -7.54)</b>	<b>-48.6 (-60.1 to -35.5)</b>
4 COVID-19	4 Colorectal cancer	1.51 (-30.9 to 44.4)	<b>39.5 (0.143 to 101)</b>	3.62 (-22 to 40.2)
5 Lung cancer	5 Lung cancer	-19.4 (-40.7 to 3.9)	10.9 (-14.3 to 38.2)	-10.2 (-30.6 to 10.4)
6 Colorectal cancer	6 Alzheimer's disease	28.4 (-5.3 to 63.1)	<b>76.6 (39.1 to 116)</b>	1.97 (-0.569 to 4.43)
7 Cirrhosis liver	7 Chronic kidney disease	25 (-7.93 to 59.9)	<b>72.1 (28.8 to 119)</b>	23.1 (-13 to 62.1)
8 Alzheimer's disease	8 Cirrhosis liver	<b>-21.3 (-34.7 to -7.95)</b>	8.42 (-6.2 to 23.3)	-0.945 (-14.9 to 14.9)
9 Chronic kidney disease	9 COPD	-1.74 (-21.7 to 24)	<b>35.3 (9.69 to 66.8)</b>	-6.55 (-28.6 to 19.8)
10 Diabetes	10 Pancreatic cancer	24.9 (-15 to 71.9)	<b>71.6 (24.5 to 136)</b>	33.9 (-0.593 to 76.9)
11 COPD	11 Diabetes	<b>-26.3 (-42.3 to -7.15)</b>	1.52 (-18.3 to 24.5)	<b>-28.2 (-44 to -6.92)</b>
12 Lower respiratory infect	12 Breast cancer	-3.81 (-29.1 to 29.5)	<b>32.2 (0.892 to 71.8)</b>	1.72 (-17.1 to 26.3)
13 Breast cancer	13 Lower respiratory infect	-8.49 (-24.7 to 11.7)	<b>26 (7.9 to 48.7)</b>	<b>-19.7 (-33.5 to -6.33)</b>
14 Stomach cancer	14 Prostate cancer	10.7 (-16.3 to 45.9)	<b>52.3 (19.4 to 96.2)</b>	7.42 (-9.12 to 28.2)
15 Pancreatic cancer	15 Atrial fibrillation	29.1 (-1.7 to 70.3)	<b>77.4 (41.9 to 124)</b>	10.7 (-2.78 to 27.6)
16 Other cardiovascular	16 Brain cancer	<b>25.1 (7.31 to 43.5)</b>	<b>72.2 (56 to 90.5)</b>	<b>42 (30.6 to 53.2)</b>
17 Prostate cancer	17 Other cardiovascular	<b>-20.5 (-35.9 to -4.53)</b>	9.43 (-8.56 to 29.1)	<b>-19.8 (-31.7 to -6.49)</b>
18 Parkinson's disease	18 Parkinson's disease	10.9 (-9.8 to 36.2)	<b>52.6 (25.4 to 82)</b>	1.29 (-13.5 to 16.3)
19 Brain cancer	19 Stomach cancer	<b>-36.4 (-47.1 to -23.6)</b>	<b>-12.5 (-23.8 to -0.0669)</b>	<b>-33.3 (-39.8 to -26.4)</b>
20 Self-harm	20 Bladder cancer	-4.98 (-24.3 to 19.3)	<b>30.7 (8.69 to 55.9)</b>	-4.61 (-16.8 to 7.06)
21 Atrial fibrillation	21 Self-harm			
22 Bladder cancer	129 COVID-19			

### Croatia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-22.5 (-46.3 to 3.89)	10.3 (-21.2 to 48.2)	<b>-48.1 (-64.8 to -25.3)</b>
2 Stroke	2 Stroke	<b>-33.1 (-46.5 to -14.4)</b>	-4.84 (-23.3 to 18.3)	<b>-52 (-61.5 to -39.7)</b>
3 COVID-19	3 Alzheimer's disease	<b>68.5 (31.6 to 105)</b>	<b>140 (99.2 to 181)</b>	<b>4.88 (2.33 to 7.75)</b>
4 Lung cancer	4 Lung cancer	8.13 (-17.6 to 38.3)	<b>53.7 (23.5 to 96.5)</b>	-0.9 (-18.8 to 23.9)
5 Colorectal cancer	5 Colorectal cancer	27.8 (-12.3 to 79.7)	<b>81.8 (24.5 to 150)</b>	1.62 (-26.5 to 33.9)
6 Alzheimer's disease	6 COPD	<b>40 (4.53 to 79.3)</b>	<b>99.4 (55.3 to 154)</b>	0.832 (-22.7 to 28.7)
7 COPD	7 Chronic kidney disease	<b>78.4 (25.3 to 138)</b>	<b>154 (85 to 234)</b>	27.5 (-6.71 to 73.1)
8 Diabetes	8 Hypertensive heart disease	<b>58.1 (8.44 to 135)</b>	<b>125 (52.7 to 230)</b>	4.51 (-35.2 to 62.5)
9 Hypertensive heart disease	9 Falls	<b>38 (1.63 to 79.2)</b>	<b>96.2 (57.4 to 150)</b>	-7.7 (-22.4 to 10.1)
10 Chronic kidney disease	10 Diabetes	-0.733 (-27.2 to 29.2)	<b>41.3 (7.38 to 80)</b>	<b>-26.8 (-44 to -5.51)</b>
11 Falls	11 Prostate cancer	<b>48.8 (9.35 to 92.8)</b>	<b>112 (62.5 to 171)</b>	12.9 (-4.87 to 35)
12 Cirrhosis liver	12 Pancreatic cancer	<b>55.4 (8.61 to 110)</b>	<b>121 (62.7 to 188)</b>	<b>31.9 (0.405 to 67.5)</b>
13 Breast cancer	13 Urinary diseases	<b>104 (49.8 to 176)</b>	<b>190 (116 to 282)</b>	<b>41.3 (7.46 to 85.4)</b>
14 Prostate cancer	14 Lower respiratory infect	24.7 (-1.03 to 54.7)	<b>77.5 (45.1 to 117)</b>	<b>-16.4 (-29.5 to -0.445)</b>
15 Lower respiratory infect	15 Breast cancer	13.1 (-20.6 to 52.3)	<b>60.7 (19.9 to 111)</b>	-7.87 (-26 to 14.5)
16 Pancreatic cancer	16 Brain cancer	<b>55.1 (28 to 86.4)</b>	<b>121 (93.7 to 155)</b>	<b>34 (23.3 to 45.5)</b>
17 Cardiomyopathy	17 Cardiomyopathy	10.7 (-14.4 to 41.9)	<b>57.5 (28.1 to 91.4)</b>	<b>-17.9 (-29.7 to -3.39)</b>
18 Stomach cancer	18 Cirrhosis liver	<b>-23.4 (-37.9 to -8.27)</b>	9.01 (-4.54 to 23.7)	<b>-21.9 (-31.9 to -11.1)</b>
19 Self-harm	19 Nonrheum valv diseases	<b>58.3 (17.6 to 107)</b>	<b>125 (75.2 to 185)</b>	10.7 (-10 to 31.8)
20 Urinary diseases	20 Parkinson's disease	<b>38.3 (10.2 to 69.7)</b>	<b>96.8 (64.6 to 133)</b>	1.41 (-12.5 to 17.3)
21 Brain cancer	23 Stomach cancer			
23 Parkinson's disease	27 Self-harm			
24 Nonrheum valv diseases	130 COVID-19			

### Czechia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-9.68 (-34.8 to 19.7)	-0.545 (-26.8 to 33.3)	<b>-50 (-65 to -28.1)</b>
2 Stroke	2 Alzheimer's disease	<b>108 (68.6 to 156)</b>	<b>128 (93.3 to 169)</b>	0.0795 (-2.54 to 3.01)
3 Lung cancer	3 Stroke	<b>-20.3 (-38.2 to -3.39)</b>	-12.3 (-30 to 5.57)	<b>-53.4 (-64.5 to -42.1)</b>
4 COVID-19	4 Lung cancer	16.7 (-8.14 to 48.6)	<b>28.4 (3.77 to 60.2)</b>	-10.8 (-27.1 to 7.59)
5 Alzheimer's disease	5 Colorectal cancer	39 (-4.45 to 96)	<b>52.8 (10.8 to 113)</b>	-4.52 (-29 to 26.4)
6 Colorectal cancer	6 Diabetes	<b>33.3 (2.57 to 70.3)</b>	<b>46.8 (15.9 to 84.7)</b>	-18.6 (-37.6 to 4.53)
7 Diabetes	7 Lower respiratory infect	<b>31.7 (4.42 to 63)</b>	<b>44.9 (21.7 to 73.9)</b>	<b>-22.7 (-36.7 to -7.23)</b>
8 Lower respiratory infect	8 COPD	<b>39.6 (7.59 to 77)</b>	<b>53.7 (17.8 to 91.5)</b>	-7.46 (-30.6 to 16)
9 COPD	9 Pancreatic cancer	<b>67.3 (19.8 to 127)</b>	<b>84.1 (34.1 to 141)</b>	24.2 (-7.23 to 62.3)
10 Pancreatic cancer	10 Hypertensive heart disease	<b>78.9 (14.5 to 164)</b>	<b>96.9 (29.9 to 189)</b>	2.91 (-35.1 to 57.6)
11 Cirrhosis liver	11 Chronic kidney disease	<b>150 (82.3 to 233)</b>	<b>175 (109 to 264)</b>	<b>46.4 (5.17 to 98.2)</b>
12 Hypertensive heart disease	12 Prostate cancer	<b>67.9 (25.8 to 124)</b>	<b>84.7 (41.2 to 141)</b>	9.29 (-9.52 to 34.4)
13 Falls	13 Falls	<b>55.7 (20.5 to 94.6)</b>	<b>71.2 (36.7 to 109)</b>	-10.5 (-23.1 to 2.61)
14 Breast cancer	14 Breast cancer	26.8 (-4.9 to 68.6)	<b>39.5 (6.5 to 80.2)</b>	-12 (-27 to 6.9)
15 Prostate cancer	15 Atrial fibrillation	<b>114 (68 to 170)</b>	<b>136 (91.7 to 190)</b>	13.5 (-2.22 to 32.3)
16 Chronic kidney disease	16 Cirrhosis liver	-14.7 (-29.2 to 1.12)	-6.14 (-19.3 to 9.01)	<b>-18.2 (-30.3 to -4.6)</b>
17 Kidney cancer	17 Urinary diseases	<b>147 (81.4 to 231)</b>	<b>172 (107 to 262)</b>	<b>40.4 (8.45 to 90.3)</b>
18 Self-harm	18 Kidney cancer	39.5 (-1.44 to 96.2)	<b>53.5 (9.08 to 120)</b>	2.92 (-24.4 to 44.5)
19 Stomach cancer	19 Parkinson's disease	<b>60.5 (29.9 to 92.5)</b>	<b>76.5 (48.7 to 109)</b>	0.048 (-12.9 to 19.2)
20 Parkinson's disease	20 Nonrheum valv diseases	<b>78.5 (38.5 to 134)</b>	<b>96.3 (58.2 to 156)</b>	5.08 (-12.2 to 29.9)
21 Atrial fibrillation	25 Self-harm			
24 Nonrheum valv diseases	27 Stomach cancer			
27 Urinary diseases	128 COVID-19			

### Hungary, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-27.2 (-48.1 to -1.88)	-23.8 (-45 to -1.14)	-51.5 (-66.5 to -28.5)
2 Stroke	2 Hypertensive heart disease	63.7 (16.7 to 127)	71.3 (23.1 to 140)	14.4 (-23.3 to 71)
3 COVID-19	3 Lung cancer	1.71 (-23.4 to 31.1)	6.34 (-18 to 32)	-10.4 (-28.5 to 10.7)
4 Lung cancer	4 Alzheimer's disease	89.4 (46.1 to 134)	98 (60.2 to 138)	5.72 (3.07 to 8.22)
5 Hypertensive heart disease	5 Stroke	-33 (-47.3 to -13.1)	-29.9 (-43.1 to -14.8)	-52.9 (-62.2 to -41.3)
6 COPD	6 COPD	16 (-12.3 to 48.8)	21.5 (-7.2 to 54.7)	-10.6 (-32 to 18)
7 Colorectal cancer	7 Colorectal cancer	27 (-14.7 to 78.6)	32.6 (-8.39 to 77.5)	1.64 (-26.1 to 31.5)
8 Alzheimer's disease	8 Chronic kidney disease	89.3 (41.8 to 149)	98.1 (50.4 to 153)	28.2 (-6.37 to 77.2)
9 Cirrhosis liver	9 Pancreatic cancer	56.6 (8.5 to 115)	63.8 (15.2 to 125)	31.4 (-2.63 to 75.4)
10 Diabetes	10 Cirrhosis liver	-14.3 (-28.4 to 3.38)	-10.4 (-22.7 to 6.45)	-15.7 (-27.1 to -2.27)
11 Breast cancer	11 Breast cancer	15.6 (-18.1 to 52.2)	20.8 (-12.6 to 59.9)	-6.91 (-28.6 to 20.4)
12 Pancreatic cancer	12 Diabetes	-7.33 (-26.8 to 17.2)	-2.94 (-21.5 to 23.6)	-30.5 (-45.5 to -11.4)
13 Chronic kidney disease	13 Falls	34.8 (6.53 to 70.9)	41 (14.1 to 68.3)	-6.72 (-17.5 to 8.33)
14 Cardiomyopathy	14 Nonrheum valv diseases	67.2 (24.7 to 124)	74.9 (34.9 to 130)	17.2 (-2.75 to 47.6)
15 Falls	15 Prostate cancer	54.8 (12.8 to 101)	61.7 (28 to 108)	18.5 (-1.97 to 40.5)
16 Self-harm	16 Cardiomyopathy	-4.87 (-26.5 to 21.9)	-0.519 (-20 to 26.7)	-22.6 (-38.5 to -3.88)
17 Lower respiratory infect	17 Lower respiratory infect	19.6 (-4.5 to 49.2)	25.1 (2.94 to 51.2)	-21.3 (-34.9 to -4.15)
18 Prostate cancer	18 Atrial fibrillation	93.8 (47.5 to 153)	103 (60.8 to 154)	20 (2.04 to 39.1)
19 Nonrheum valv diseases	19 Parkinson's disease	49.3 (23.8 to 79)	56.2 (36.2 to 78.9)	9.43 (-4.35 to 25.2)
20 Stomach cancer	20 Self-harm	-11.3 (-27.4 to 8.05)	-7.17 (-19.9 to 8.59)	-18.6 (-31.4 to -2.15)
22 Parkinson's disease	24 Stomach cancer			
25 Atrial fibrillation	129 COVID-19			



### Montenegro, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	9.28 (-13.5 to 35.1)	<b>28.8 (6.43 to 55.2)</b>	<b>-34 (-49.5 to -15.9)</b>
2 Ischemic heart disease	2 Ischemic heart disease	-19.1 (-44.7 to 13.3)	-4.71 (-30.9 to 28.7)	<b>-48.6 (-66 to -24.9)</b>
3 COVID-19	3 Lung cancer	13.9 (-17.4 to 47.6)	<b>34.1 (3.12 to 68.6)</b>	-9.46 (-28.7 to 12.5)
4 Lung cancer	4 Chronic kidney disease	<b>95.4 (45.6 to 153)</b>	<b>130 (75 to 197)</b>	28.8 (-6.98 to 74.8)
5 Cardiomyopathy	5 Atrial fibrillation	<b>114 (62.5 to 170)</b>	<b>152 (102 to 216)</b>	<b>18.5 (0.0693 to 40.2)</b>
6 Diabetes	6 Alzheimer's disease	<b>90.8 (45.9 to 142)</b>	<b>125 (84.3 to 173)</b>	<b>3.58 (0.946 to 6.69)</b>
7 Colorectal cancer	7 Cardiomyopathy	18.6 (-9.8 to 56.3)	<b>39.7 (9.25 to 78.9)</b>	<b>-23.1 (-36.5 to -6.24)</b>
8 Chronic kidney disease	8 Colorectal cancer	47 (-3.33 to 111)	<b>73 (16.9 to 137)</b>	3.92 (-27.6 to 37)
9 Alzheimer's disease	9 Pancreatic cancer	<b>83.2 (24 to 150)</b>	<b>116 (47.4 to 189)</b>	36 (-1.37 to 77.6)
10 Breast cancer	10 Hypertensive heart disease	<b>82.5 (25.5 to 155)</b>	<b>115 (46.5 to 217)</b>	9.83 (-29.6 to 71.2)
11 Atrial fibrillation	11 Breast cancer	33.1 (-8.18 to 80.6)	<b>56.7 (14.6 to 109)</b>	0.279 (-22.7 to 30)
12 Prostate cancer	12 Prostate cancer	<b>67.3 (22.8 to 118)</b>	<b>97 (50.9 to 151)</b>	8.28 (-11.3 to 30.7)
13 Pancreatic cancer	13 Diabetes	2.37 (-22.3 to 32.3)	20.6 (-9.02 to 54.4)	<b>-30 (-47.8 to -9.35)</b>
14 Hypertensive heart disease	14 Brain cancer	<b>59.1 (34.4 to 91.1)</b>	<b>87.4 (70.2 to 110)</b>	<b>40.9 (29.9 to 53.4)</b>
15 Self-harm	15 Liver cancer	<b>68.5 (26.8 to 117)</b>	<b>98.6 (56.3 to 149)</b>	<b>29.4 (0.127 to 65.7)</b>
16 Aortic aneurysm	16 Parkinson's disease	<b>75.9 (41.1 to 126)</b>	<b>107 (70.9 to 151)</b>	2.46 (-14.6 to 20.6)
17 Stomach cancer	17 Aortic aneurysm	20.7 (-9.74 to 60.4)	<b>42 (13.1 to 78.5)</b>	<b>-15 (-28.6 to -0.162)</b>
18 Brain cancer	18 Lower respiratory infect	25.7 (-1.66 to 58.6)	<b>48.1 (19.3 to 79.7)</b>	<b>-20.3 (-34.6 to -2.7)</b>
19 Lower respiratory infect	19 Self-harm	-12.6 (-27.7 to 5.79)	2.98 (-11.3 to 19.1)	-15.4 (-28.3 to 1.13)
20 Liver cancer	20 COPD	<b>47.8 (6.53 to 93.1)</b>	<b>74.3 (32 to 123)</b>	-3.94 (-30.3 to 28.1)
22 Parkinson's disease	22 Stomach cancer			
24 COPD	130 COVID-19			

### North Macedonia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	0.902 (-22.7 to 26.5)	<b>25.5 (1.74 to 50.9)</b>	<b>-45.8 (-58.2 to -31.5)</b>
2 Stroke	2 Ischemic heart disease	4.09 (-25.9 to 40.6)	29.6 (-8.2 to 69.4)	<b>-40.6 (-61.3 to -12)</b>
3 Ischemic heart disease	3 Hypertensive heart disease	<b>129 (51.3 to 223)</b>	<b>184 (88.9 to 292)</b>	15.3 (-30.7 to 72.1)
4 Lung cancer	4 Lung cancer	43.2 (-2.94 to 107)	<b>77.3 (36.5 to 135)</b>	3.96 (-16.9 to 34.9)
5 Hypertensive heart disease	5 Diabetes	27 (-13.6 to 71.1)	<b>58 (12.9 to 104)</b>	<b>-22 (-43.3 to -0.0753)</b>
6 Diabetes	6 Colorectal cancer	<b>74.3 (6.35 to 162)</b>	<b>116 (47.8 to 209)</b>	11.4 (-19.5 to 53.3)
7 Colorectal cancer	7 COPD	<b>89.2 (35.7 to 157)</b>	<b>135 (78.1 to 200)</b>	7.95 (-21.2 to 42.6)
8 Cardiomyopathy	8 Alzheimer's disease	<b>146 (70.5 to 225)</b>	<b>206 (145 to 284)</b>	<b>16.5 (13 to 19.8)</b>
9 COPD	9 Cardiomyopathy	38.1 (-6.74 to 89)	<b>71.5 (31.7 to 128)</b>	<b>-21.3 (-35.9 to -1.27)</b>
10 Stomach cancer	10 Chronic kidney disease	<b>114 (45.2 to 193)</b>	<b>167 (93.1 to 245)</b>	30.6 (-8.1 to 82.8)
11 Breast cancer	11 Pancreatic cancer	<b>126 (43.9 to 231)</b>	<b>180 (99.1 to 297)</b>	<b>51.2 (9.9 to 107)</b>
12 Chronic kidney disease	12 Breast cancer	48.5 (-1.54 to 113)	<b>84 (37.8 to 149)</b>	1.19 (-21.3 to 34.2)
13 Alzheimer's disease	13 Liver cancer	<b>115 (62.3 to 177)</b>	<b>167 (109 to 225)</b>	<b>49.5 (13.8 to 100)</b>
14 Pancreatic cancer	14 Stomach cancer	13.2 (-14.2 to 47.4)	<b>40.7 (19.1 to 71.5)</b>	<b>-25.6 (-34.9 to -13.8)</b>
15 Liver cancer	15 Prostate cancer	<b>107 (40.2 to 184)</b>	<b>156 (96.9 to 227)</b>	<b>23 (1.35 to 45)</b>
16 Cirrhosis liver	16 Brain cancer	<b>82.9 (42.8 to 135)</b>	<b>127 (103 to 157)</b>	<b>42.2 (31.8 to 55.8)</b>
17 Brain cancer	17 Atrial fibrillation	<b>171 (80.6 to 272)</b>	<b>235 (155 to 331)</b>	<b>27.9 (3.2 to 56.5)</b>
18 Prostate cancer	18 Parkinson's disease	<b>120 (56.5 to 198)</b>	<b>173 (124 to 240)</b>	11.8 (-5.03 to 32.5)
19 Self-harm	19 Lower respiratory infect	<b>71.5 (28.9 to 122)</b>	<b>113 (71.1 to 169)</b>	<b>-8.59 (-27.3 to 12.9)</b>
20 Lower respiratory infect	20 Bladder cancer	<b>78.8 (31.6 to 135)</b>	<b>122 (79.5 to 176)</b>	11.7 (-2.66 to 27.4)
21 Parkinson's disease	21 Cirrhosis liver			
22 Bladder cancer	26 Self-harm			
23 Atrial fibrillation	130 COVID-19			

### Poland, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-15 (-40.1 to 13.3)	0.454 (-27.9 to 32.1)	<b>-54.6 (-68.6 to -38.8)</b>
2 Stroke	2 Lung cancer	<b>41.6 (11 to 74.6)</b>	<b>67.4 (35.7 to 107)</b>	6.12 (-14.8 to 28.2)
3 COVID-19	3 Alzheimer's disease	<b>114 (82.6 to 151)</b>	<b>153 (120 to 185)</b>	-0.313 (-2.92 to 2.47)
4 Lung cancer	4 Stroke	-19.4 (-34.9 to 0.482)	-4.74 (-22.5 to 18.1)	<b>-54.9 (-63.3 to -44.4)</b>
5 Colorectal cancer	5 Colorectal cancer	<b>51.6 (10.2 to 105)</b>	<b>79.3 (30.9 to 139)</b>	-0.715 (-24.9 to 29.5)
6 Lower respiratory infect	6 Lower respiratory infect	<b>42.8 (12.4 to 76.1)</b>	<b>68.9 (34.7 to 103)</b>	<b>-18.2 (-31.9 to -2.85)</b>
7 Alzheimer's disease	7 Hypertensive heart disease	<b>88.7 (23.9 to 160)</b>	<b>123 (47.9 to 203)</b>	4.76 (-30.4 to 43.6)
8 Hypertensive heart disease	8 Prostate cancer	<b>72.1 (33.3 to 122)</b>	<b>103 (59.3 to 154)</b>	8.62 (-7.02 to 28.7)
9 Diabetes	9 Cardiomyopathy	<b>36.1 (3.42 to 75.2)</b>	<b>60.8 (24.2 to 106)</b>	<b>-19.3 (-32.4 to -3.4)</b>
10 Cirrhosis liver	10 Pancreatic cancer	<b>79.7 (35.7 to 129)</b>	<b>113 (59.3 to 177)</b>	28.5 (-0.167 to 67.6)
11 Cardiomyopathy	11 COPD	<b>35.9 (1.85 to 77.5)</b>	<b>60.5 (22.6 to 101)</b>	-14.2 (-33.4 to 6.52)
12 COPD	12 Breast cancer	39.3 (-0.554 to 86.3)	<b>64.7 (20.6 to 119)</b>	-7.74 (-27 to 17.2)
13 Breast cancer	13 Diabetes	19.9 (-5.98 to 57.7)	<b>41.8 (13.2 to 75.2)</b>	<b>-27.7 (-42.5 to -10.8)</b>
14 Prostate cancer	14 Chronic kidney disease	<b>120 (61.4 to 186)</b>	<b>160 (91.4 to 246)</b>	25.5 (-6.71 to 59.3)
15 Pancreatic cancer	15 Atrial fibrillation	<b>131 (85.5 to 187)</b>	<b>173 (122 to 238)</b>	12.3 (-5.06 to 32.7)
16 Stomach cancer	16 Cirrhosis liver	-4.83 (-18.4 to 9.64)	12.5 (-0.262 to 27.3)	-6.03 (-17.8 to 6.21)
17 Falls	17 Falls	<b>51.8 (14.6 to 96.3)</b>	<b>79.3 (43.4 to 129)</b>	-11.4 (-24.3 to 1.88)
18 Self-harm	18 Urinary diseases	<b>155 (87.3 to 238)</b>	<b>201 (119 to 292)</b>	<b>37.2 (5.9 to 72)</b>
19 Bladder cancer	19 Bladder cancer	<b>44.6 (19.7 to 74.4)</b>	<b>70.9 (48.4 to 104)</b>	-6.89 (-17.8 to 6.84)
20 Chronic kidney disease	20 Parkinson's disease	<b>67.6 (38 to 105)</b>	<b>98.1 (68.6 to 134)</b>	-0.462 (-14.4 to 13.9)
22 Atrial fibrillation	24 Stomach cancer			
24 Parkinson's disease	27 Self-harm			
29 Urinary diseases	129 COVID-19			

### Romania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-27.9 (-47 to -2)	-8.24 (-32.6 to 22.7)	-49.7 (-65.9 to -23.1)
2 Stroke	2 Stroke	-32 (-47 to -17.2)	-13.5 (-28.5 to 1.57)	-51.2 (-61.8 to -36.3)
3 Hypertensive heart disease	3 Hypertensive heart disease	55.5 (6.75 to 125)	97.9 (43.5 to 184)	9.18 (-27.2 to 79.2)
4 COVID-19	4 Alzheimer's disease	80.6 (29.3 to 133)	129 (73 to 184)	1.78 (-0.93 to 4.4)
5 Lung cancer	5 Lung cancer	-3.74 (-32.6 to 31.3)	22.2 (-8.44 to 60.6)	-8.05 (-29.8 to 18.7)
6 Cirrhosis liver	6 Cardiomyopathy	7.67 (-16.1 to 39.7)	36.8 (14 to 65.9)	-15.3 (-27.4 to -1.57)
7 Cardiomyopathy	7 Colorectal cancer	24 (-24.1 to 77.4)	57.3 (3.84 to 122)	4.79 (-26.6 to 42.2)
8 Alzheimer's disease	8 Cirrhosis liver	-16.6 (-32.8 to 1.5)	6.03 (-7.48 to 23.5)	-10.3 (-23.8 to 6.58)
9 Colorectal cancer	9 COPD	19.7 (-8.82 to 54.5)	52.3 (19.5 to 91.7)	-7.36 (-29.4 to 20.6)
10 Lower respiratory infect	10 Lower respiratory infect	3.06 (-17.3 to 26.7)	31 (10.9 to 53.1)	-20.9 (-34.2 to -4.1)
11 COPD	11 Pancreatic cancer	50.7 (0.652 to 107)	91.2 (30.5 to 157)	36 (-4.42 to 75.4)
12 Breast cancer	12 Chronic kidney disease	53.3 (15.4 to 103)	95.1 (46.3 to 160)	17.7 (-15.1 to 66.5)
13 Stomach cancer	13 Breast cancer	11.5 (-25.7 to 53)	41.6 (3.86 to 90)	-2.08 (-26.4 to 21.2)
14 Pancreatic cancer	14 Prostate cancer	39.4 (-2.27 to 84)	76.9 (33.7 to 122)	9.35 (-10.9 to 30.3)
15 Chronic kidney disease	15 Parkinson's disease	38.4 (9.99 to 68.6)	75.9 (48.1 to 104)	0.669 (-12.8 to 15.9)
16 Prostate cancer	16 Stomach cancer	-25.8 (-43.2 to -10.6)	-5.75 (-18.3 to 9.25)	-34.9 (-41.5 to -26.9)
17 Diabetes	17 Atrial fibrillation	87.1 (31.7 to 151)	138 (84.1 to 203)	15.8 (-1.18 to 34.8)
18 Parkinson's disease	18 Diabetes	-5.98 (-29.6 to 26.6)	19.6 (-7.09 to 55.3)	-26.1 (-44.2 to -0.349)
19 Road injuries	19 Brain cancer	36 (12.1 to 62.5)	72.9 (56.2 to 93.3)	34.1 (24 to 45.2)
20 Falls	20 Bladder cancer	17 (-13.3 to 47.5)	48.6 (23.6 to 77.8)	-4.79 (-17 to 8.54)
22 Bladder cancer	21 Falls			
24 Brain cancer	25 Road injuries			
26 Atrial fibrillation	130 COVID-19			

### Serbia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-30.7 (-50.7 to -8.07)</b>	-10.9 (-35.1 to 18.2)	<b>-45.9 (-63.5 to -18.7)</b>
2 Stroke	2 Stroke	<b>-36.7 (-51.1 to -20.2)</b>	<b>-18.8 (-32.7 to -0.651)</b>	<b>-50.1 (-60.9 to -36.8)</b>
3 COVID-19	3 Lung cancer	10 (-19.1 to 39.9)	<b>41.3 (9.3 to 79.5)</b>	-0.51 (-20.9 to 25.5)
4 Lung cancer	4 Hypertensive heart disease	51.6 (-0.95 to 109)	<b>94.7 (33.9 to 161)</b>	16.7 (-24.9 to 73)
5 Hypertensive heart disease	5 Alzheimer's disease	<b>63.7 (21.5 to 113)</b>	<b>110 (60.9 to 163)</b>	<b>16.8 (13.6 to 20.5)</b>
6 Diabetes	6 Colorectal cancer	30.6 (-14.7 to 83.7)	<b>67.7 (17.2 to 124)</b>	11.1 (-18.2 to 44.5)
7 Colorectal cancer	7 Chronic kidney disease	<b>59.6 (16 to 107)</b>	<b>105 (57 to 164)</b>	29 (-8.23 to 74.5)
8 COPD	8 COPD	23 (-6.34 to 57.4)	<b>58 (21.8 to 96.1)</b>	0.381 (-24.6 to 29.1)
9 Alzheimer's disease	9 Diabetes	-15.7 (-36.1 to 13.7)	8.2 (-15 to 36.7)	<b>-30.2 (-46.5 to -5.62)</b>
10 Cardiomyopathy	10 Breast cancer	15.8 (-13.1 to 53.3)	<b>48.8 (17 to 86.7)</b>	-0.0366 (-18.7 to 23)
11 Chronic kidney disease	11 Pancreatic cancer	<b>71.4 (13.7 to 138)</b>	<b>120 (61.5 to 196)</b>	<b>49.1 (12.4 to 96.9)</b>
12 Breast cancer	12 Cardiomyopathy	-1.54 (-22.6 to 24.7)	<b>26.5 (3.17 to 56.9)</b>	<b>-19.7 (-32.5 to -5.07)</b>
13 Pancreatic cancer	13 Prostate cancer	<b>38.5 (3.96 to 73.1)</b>	<b>78 (40.8 to 119)</b>	14.6 (-4.01 to 34.4)
14 Self-harm	14 Brain cancer	<b>53.2 (28.9 to 80.2)</b>	<b>96.8 (77.3 to 118)</b>	<b>38.8 (26.4 to 52.7)</b>
15 Prostate cancer	15 Lower respiratory infect	11.6 (-11.3 to 42.2)	<b>43.2 (20.5 to 72.3)</b>	-12.4 (-25.5 to 5.88)
16 Cirrhosis liver	16 Atrial fibrillation	<b>76.3 (34 to 133)</b>	<b>126 (82.1 to 184)</b>	<b>30.6 (12.2 to 52.9)</b>
17 Lower respiratory infect	17 Nonrheum valv diseases	<b>38.3 (5.84 to 80.4)</b>	<b>77.6 (46.5 to 122)</b>	9.16 (-7.58 to 28.7)
18 Stomach cancer	18 Liver cancer	<b>46.8 (15.4 to 84.8)</b>	<b>88.6 (50.5 to 131)</b>	<b>31.4 (4.79 to 65.8)</b>
19 Nonrheum valv diseases	19 Cirrhosis liver	-7.4 (-24.3 to 13)	<b>18.9 (3.57 to 34.6)</b>	-11.1 (-22.6 to 1.33)
20 Brain cancer	20 Self-harm	-11.6 (-28.3 to 6.44)	13.6 (-1.77 to 32.3)	-13.8 (-26.3 to 3.08)
21 Liver cancer	23 Stomach cancer			
24 Atrial fibrillation	130 COVID-19			

### Slovakia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	3.61 (-24.2 to 37.7)	12.8 (-14 to 46.6)	<b>-45.9 (-61.6 to -20.9)</b>
2 Stroke	2 Stroke	-7.89 (-25.9 to 11.4)	0.317 (-17.2 to 19.9)	<b>-48.1 (-57.6 to -36.2)</b>
3 COVID-19	3 Alzheimer's disease	<b>151 (96.9 to 211)</b>	<b>173 (117 to 232)</b>	<b>9.26 (6.39 to 12.4)</b>
4 Lung cancer	4 Colorectal cancer	<b>60.4 (8.74 to 121)</b>	<b>74.4 (21.9 to 131)</b>	3.7 (-23.4 to 32.5)
5 Colorectal cancer	5 Lung cancer	29.2 (-2.44 to 61.7)	<b>40.6 (9.04 to 70)</b>	-6.28 (-25.8 to 13.2)
6 Alzheimer's disease	6 Lower respiratory infect	<b>73.5 (37.2 to 117)</b>	<b>88.9 (52.7 to 136)</b>	-8.05 (-23.5 to 11.3)
7 Lower respiratory infect	7 Hypertensive heart disease	<b>111 (49.9 to 201)</b>	<b>130 (68 to 233)</b>	16.4 (-17.3 to 77.4)
8 Cirrhosis liver	8 Chronic kidney disease	<b>133 (76.8 to 210)</b>	<b>154 (95.1 to 239)</b>	<b>35.5 (0.571 to 85.2)</b>
9 Hypertensive heart disease	9 Pancreatic cancer	<b>91.5 (34.1 to 153)</b>	<b>108 (50.5 to 176)</b>	<b>32 (0.257 to 69.5)</b>
10 Breast cancer	10 COPD	<b>72.6 (33.6 to 115)</b>	<b>88 (46.4 to 135)</b>	2.09 (-20.3 to 32.9)
11 Pancreatic cancer	11 Prostate cancer	<b>100 (58.1 to 155)</b>	<b>118 (72.9 to 170)</b>	<b>20.7 (0.426 to 41.6)</b>
12 COPD	12 Cirrhosis liver	-2.11 (-16.7 to 15.2)	6.59 (-7.99 to 21)	-13.1 (-26 to 0.398)
13 Diabetes	13 Breast cancer	<b>40 (4.05 to 86)</b>	<b>52.3 (17.3 to 96.4)</b>	-4.85 (-22.8 to 17.8)
14 Chronic kidney disease	14 Atrial fibrillation	<b>159 (94.4 to 229)</b>	<b>182 (116 to 248)</b>	<b>23.6 (6.39 to 41.8)</b>
15 Falls	15 Falls	<b>58.4 (20.1 to 97.7)</b>	<b>72.4 (37.4 to 115)</b>	-7.74 (-19.8 to 6.2)
16 Stomach cancer	16 Diabetes	16.4 (-12.4 to 49.7)	26.7 (-2.77 to 58.8)	<b>-28.3 (-44.2 to -7.02)</b>
17 Prostate cancer	17 Stomach cancer	6.51 (-13.8 to 30.9)	15.9 (-2.57 to 37.1)	<b>-30.2 (-38.6 to -20.3)</b>
18 Self-harm	18 Parkinson's disease	<b>97.4 (59.6 to 139)</b>	<b>115 (79.2 to 151)</b>	8.35 (-6.16 to 24.1)
19 Atrial fibrillation	19 Kidney cancer	<b>53.9 (4.35 to 115)</b>	<b>67.4 (16.9 to 122)</b>	9.44 (-19.8 to 42.5)
20 Kidney cancer	20 Brain cancer	<b>73 (49.8 to 97.7)</b>	<b>88.4 (69.6 to 108)</b>	<b>37.4 (26.1 to 48.4)</b>
23 Brain cancer	23 Self-harm			
25 Parkinson's disease	129 COVID-19			

### Slovenia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	106 (74.2 to 143)	102 (77.9 to 131)	-3.34 (-5.69 to -0.0539)
2 Stroke	2 Ischemic heart disease	-7.26 (-37.8 to 28.3)	-8.82 (-38.1 to 25.2)	-52.8 (-66.8 to -35.5)
3 COVID-19	3 Hypertensive heart disease	99.7 (24.5 to 200)	96.3 (22.2 to 191)	-3.31 (-38.7 to 51.2)
4 Lung cancer	4 Nonrheum valv diseases	139 (69.4 to 225)	135 (68.6 to 220)	15.5 (-11.3 to 51.6)
5 Alzheimer's disease	5 Lung cancer	26.5 (-3.38 to 63.3)	24.3 (-1.24 to 54)	-12.1 (-27.8 to 6.76)
6 Hypertensive heart disease	6 Stroke	-15.8 (-33.2 to 5.07)	-17.3 (-34.2 to 2.91)	-56.5 (-65.2 to -45.5)
7 Colorectal cancer	7 Colorectal cancer	52.5 (2.77 to 117)	49.8 (3.64 to 110)	-10.6 (-33.9 to 18.7)
8 Falls	8 Falls	79.7 (37.1 to 128)	76.4 (42 to 115)	-10.7 (-24 to 3.69)
9 Nonrheum valv diseases	9 COPD	83 (35.1 to 147)	79.9 (33.8 to 141)	-1.4 (-25.2 to 31)
10 Cardiomyopathy	10 Prostate cancer	95 (49.8 to 155)	91.5 (48.8 to 145)	9.69 (-10.2 to 31.7)
11 COPD	11 Lower respiratory infect	72.1 (34.1 to 113)	69.2 (34.5 to 108)	-14.3 (-28 to 5.89)
12 Lower respiratory infect	12 Cardiomyopathy	48.6 (6.43 to 100)	46 (7.87 to 93.9)	-25.8 (-38.7 to -7.1)
13 Prostate cancer	13 Chronic kidney disease	140 (73.1 to 217)	136 (72.9 to 215)	21 (-10.4 to 68)
14 Breast cancer	14 Pancreatic cancer	83 (29.8 to 153)	79.7 (28.1 to 141)	20.2 (-9.37 to 56.3)
15 Diabetes	15 Breast cancer	31.8 (-5.68 to 90)	29.5 (-7.39 to 79.6)	-20.1 (-36.4 to 0.647)
16 Cirrhosis liver	16 Atrial fibrillation	136 (84.3 to 205)	131 (86.9 to 193)	12.9 (-4.68 to 34.9)
17 Pancreatic cancer	17 Diabetes	8.27 (-17.1 to 39.1)	6.48 (-19.7 to 37.3)	-38.7 (-52.8 to -21)
18 Self-harm	18 Parkinson's disease	71.2 (41.2 to 109)	68.2 (43.6 to 99.6)	-3.62 (-16.6 to 11.8)
19 Chronic kidney disease	19 Cirrhosis liver	-8.12 (-21.2 to 5.89)	-9.7 (-21.1 to 2.2)	-28.5 (-37.5 to -18.9)
20 Stomach cancer	20 Bladder cancer	57.3 (24.3 to 96.7)	54.5 (28.6 to 90.3)	-8.42 (-20.3 to 6.89)
22 Parkinson's disease	23 Self-harm			
23 Bladder cancer	24 Stomach cancer			
24 Atrial fibrillation	129 COVID-19			

### Belarus, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-10.2 (-39.1 to 24.5)	1.74 (-31.4 to 37.6)	<b>-45 (-67 to -11.8)</b>
2 COVID-19	2 Stroke	-20.7 (-41.4 to 1.47)	-10.2 (-31.4 to 12)	<b>-49.4 (-63 to -28.4)</b>
3 Stroke	3 Alzheimer's disease	<b>140 (46.8 to 237)</b>	<b>170 (82.9 to 260)</b>	<b>16.3 (13.3 to 19.8)</b>
4 Lung cancer	4 Colorectal cancer	53.3 (-16.4 to 147)	<b>72.9 (0.335 to 165)</b>	10.1 (-25.7 to 61.1)
5 Alzheimer's disease	5 Lung cancer	20.2 (-26.5 to 71.9)	35.6 (-8.15 to 84.9)	-0.375 (-26.8 to 32.9)
6 Colorectal cancer	6 Alcohol use disorders	22.2 (-20.3 to 70.1)	38.5 (-7.58 to 97.9)	7.47 (-28 to 59.1)
7 Alcohol use disorders	7 Pancreatic cancer	<b>86.4 (4.28 to 186)</b>	<b>110 (29.2 to 213)</b>	45 (-4.87 to 107)
8 Stomach cancer	8 Prostate cancer	<b>84.6 (16.5 to 166)</b>	<b>108 (41.3 to 188)</b>	28 (-1.81 to 62.5)
9 Cirrhosis liver	9 COPD	<b>57.8 (13.2 to 110)</b>	<b>78.7 (27.7 to 137)</b>	9.49 (-21.7 to 50.9)
10 Self-harm	10 Stomach cancer	-4.66 (-27.6 to 16.8)	7.83 (-10.7 to 25.2)	<b>-26.7 (-34.6 to -19.7)</b>
11 Breast cancer	11 Self-harm	-5.84 (-25 to 16)	6.63 (-12.5 to 26.6)	-7.3 (-26.3 to 14.9)
12 Cardiomyopathy	12 Breast cancer	28.2 (-21.6 to 90.4)	44.6 (-4.83 to 101)	-1.08 (-27.2 to 28.4)
13 COPD	13 Cirrhosis liver	-9.49 (-26 to 11.7)	2.53 (-14.4 to 21.2)	-11.5 (-26.3 to 7.76)
14 Falls	14 Atrial fibrillation	<b>156 (67.2 to 267)</b>	<b>188 (96.9 to 286)</b>	<b>30.1 (11.3 to 53)</b>
15 Pancreatic cancer	15 Urinary diseases	<b>121 (57.5 to 197)</b>	<b>150 (93.9 to 219)</b>	<b>47.9 (12.2 to 95.4)</b>
16 Prostate cancer	16 Parkinson's disease	<b>104 (45.9 to 156)</b>	<b>131 (81.6 to 185)</b>	<b>19.7 (0.994 to 39.9)</b>
17 Lower respiratory infect	17 Falls	12.2 (-16.4 to 42.9)	<b>26.9 (1.48 to 53.5)</b>	-6.62 (-24.8 to 13)
18 Road injuries	18 Peripheral artery	<b>94.5 (19.9 to 190)</b>	<b>119 (39.5 to 211)</b>	21.2 (-5.29 to 52.5)
19 Parkinson's disease	19 Vascular intestinal	<b>87.9 (18.1 to 159)</b>	<b>112 (43 to 172)</b>	12.7 (-5.94 to 32.3)
20 Urinary diseases	20 Kidney cancer	51.9 (-14.3 to 134)	<b>71.3 (0.763 to 159)</b>	23.7 (-22.4 to 76.5)
22 Peripheral artery	21 Cardiomyopathy			
23 Atrial fibrillation	23 Lower respiratory infect			
24 Kidney cancer	28 Road injuries			
28 Vascular intestinal	129 COVID-19			



### Estonia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Hypertensive heart disease	39.6 (-7.14 to 90.6)	<b>51.4 (1.45 to 109)</b>	-9.28 (-42.6 to 36.7)
2 Hypertensive heart disease	2 Ischemic heart disease	<b>-32.8 (-53.8 to -8.18)</b>	-27.2 (-48.3 to 0.93)	<b>-60.2 (-73.7 to -38.7)</b>
3 COVID-19	3 Alzheimer's disease	<b>70 (34.8 to 111)</b>	<b>84.1 (47.7 to 125)</b>	-2.48 (-5.08 to 0.542)
4 Stroke	4 Chronic kidney disease	<b>91.6 (35.9 to 154)</b>	<b>108 (47.9 to 186)</b>	22.4 (-16 to 72.1)
5 Alzheimer's disease	5 Colorectal cancer	34.3 (-15.6 to 96.7)	45.3 (-5.02 to 111)	-3.77 (-32 to 29.7)
6 Lung cancer	6 Lung cancer	7.03 (-22.9 to 42.3)	15.9 (-15.2 to 51.1)	-17.5 (-37.5 to 5.38)
7 Chronic kidney disease	7 Stroke	<b>-43.7 (-57.5 to -28.4)</b>	<b>-39 (-52.1 to -23.3)</b>	<b>-63.6 (-71.5 to -52.6)</b>
8 Colorectal cancer	8 Prostate cancer	<b>62.8 (20 to 119)</b>	<b>76.4 (33.4 to 133)</b>	15.8 (-6.13 to 39.9)
9 Prostate cancer	9 Pancreatic cancer	<b>56.9 (9.11 to 126)</b>	<b>69.9 (19.1 to 139)</b>	18.8 (-13.1 to 58.4)
10 Diabetes	10 Atrial fibrillation	<b>74.2 (30.3 to 137)</b>	<b>88.6 (44.1 to 147)</b>	0.631 (-14.9 to 19.6)
11 Pancreatic cancer	11 Urinary diseases	<b>101 (54.8 to 153)</b>	<b>118 (71.8 to 173)</b>	<b>29.9 (2.02 to 65.1)</b>
12 Cirrhosis liver	12 Breast cancer	11.6 (-21.6 to 63)	20.9 (-13.4 to 69.5)	-17 (-36.2 to 7.87)
13 Stomach cancer	13 COPD	35.5 (-1.75 to 76.6)	<b>46.8 (8.57 to 91.4)</b>	-6.39 (-30.5 to 26.4)
14 Breast cancer	14 Cirrhosis liver	-13.6 (-27 to 1.24)	-6.34 (-19.4 to 9.01)	<b>-19.7 (-32.4 to -5.82)</b>
15 Cardiomyopathy	15 Diabetes	-21.1 (-39.5 to 1.36)	-14.4 (-33.2 to 11)	<b>-44.6 (-57 to -28.3)</b>
16 Lower respiratory infect	16 Lower respiratory infect	10.7 (-9.24 to 34.7)	<b>19.9 (0.195 to 44)</b>	<b>-24.4 (-37.8 to -9.35)</b>
17 Self-harm	17 Parkinson's disease	<b>47 (19 to 82.7)</b>	<b>59.2 (35.6 to 91.3)</b>	1.94 (-13.2 to 19.5)
18 Atrial fibrillation	18 Stomach cancer	<b>-18.7 (-32.6 to -4.54)</b>	-12 (-23.8 to 1.26)	<b>-38.7 (-45.2 to -32.1)</b>
19 COPD	19 Cardiomyopathy	-12.1 (-29 to 9.35)	-4.79 (-20.5 to 16.7)	<b>-31.9 (-43.9 to -17.1)</b>
20 Alcohol use disorders	20 Self-harm	-8.6 (-24.8 to 9.26)	-0.994 (-15.6 to 15.7)	<b>-20.4 (-33.8 to -5.79)</b>
21 Parkinson's disease	28 Alcohol use disorders			
22 Urinary diseases	129 COVID-19			

### Latvia, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-31.9 (-52.9 to -9.59)</b>	-6.1 (-36 to 25.1)	<b>-50.4 (-67.6 to -27.9)</b>
2 Stroke	2 Stroke	<b>-38 (-51.9 to -22.2)</b>	-14.5 (-35.9 to 7.23)	<b>-53.5 (-64.6 to -41)</b>
3 COVID-19	3 Alzheimer's disease	<b>68.7 (29 to 109)</b>	<b>132 (85.1 to 190)</b>	<b>7.59 (4.22 to 10.7)</b>
4 Alzheimer's disease	4 Hypertensive heart disease	40.8 (-7.11 to 99.8)	<b>94.2 (25.5 to 181)</b>	12.5 (-27.1 to 73.6)
5 Hypertensive heart disease	5 Lung cancer	0.224 (-25.2 to 31.1)	<b>37.9 (6.13 to 75.9)</b>	-4.33 (-23.2 to 20.4)
6 Lung cancer	6 Colorectal cancer	17.6 (-24.4 to 73.6)	<b>61.7 (6.3 to 128)</b>	2.12 (-25.2 to 39.7)
7 Cardiomyopathy	7 Prostate cancer	<b>46.2 (5.49 to 91.9)</b>	<b>101 (54.1 to 155)</b>	<b>24 (3.18 to 48.7)</b>
8 Colorectal cancer	8 Cardiomyopathy	<b>-25 (-41.7 to -7.13)</b>	3.23 (-12.6 to 25.6)	<b>-21.7 (-35.1 to -4.96)</b>
9 Diabetes	9 Pancreatic cancer	44.1 (-5.35 to 108)	<b>98.2 (38.1 to 172)</b>	31.5 (-3.47 to 77.3)
10 Prostate cancer	10 Chronic kidney disease	<b>69.8 (25.7 to 129)</b>	<b>134 (70.6 to 217)</b>	28.8 (-9.1 to 78.9)
11 Pancreatic cancer	11 Urinary diseases	<b>66.1 (30.5 to 112)</b>	<b>129 (84.7 to 185)</b>	<b>29.8 (5.02 to 56.9)</b>
12 Breast cancer	12 Breast cancer	1.87 (-28.6 to 39.7)	<b>40.2 (3.02 to 92.7)</b>	-8.6 (-27.1 to 14.9)
13 Stomach cancer	13 Atrial fibrillation	<b>88.4 (38.1 to 146)</b>	<b>159 (100 to 236)</b>	<b>24.6 (5.91 to 48.3)</b>
14 Cirrhosis liver	14 Diabetes	<b>-25.2 (-44.2 to -0.411)</b>	2.98 (-21.5 to 30.7)	<b>-38.7 (-52 to -20.8)</b>
15 Self-harm	15 COPD	18.5 (-8.95 to 51)	<b>63.4 (22 to 106)</b>	2.45 (-23.3 to 27.5)
16 Lower respiratory infect	16 Lower respiratory infect	-2.1 (-23 to 20.7)	<b>34.9 (8.69 to 59.5)</b>	<b>-16.1 (-31.7 to -0.279)</b>
17 Chronic kidney disease	17 Cirrhosis liver	<b>-22.4 (-34.8 to -10.6)</b>	6.87 (-8.74 to 21.7)	-5.74 (-18.1 to 8.28)
18 COPD	18 Stomach cancer	<b>-26.1 (-38.8 to -11.4)</b>	1.73 (-12.9 to 19.5)	<b>-32.3 (-39.2 to -23.2)</b>
19 Urinary diseases	19 Parkinson's disease	<b>36.1 (6.11 to 71.9)</b>	<b>87.4 (54.3 to 132)</b>	8.36 (-6.79 to 26)
20 Falls	20 Falls	7.41 (-14.5 to 37.4)	<b>47.9 (18.8 to 80.7)</b>	-10.1 (-20.9 to 4.01)
21 Atrial fibrillation	22 Self-harm			
22 Parkinson's disease	129 COVID-19			

### Lithuania, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-28.4 (-53.2 to -0.63)	1.76 (-29.3 to 35.5)	-50 (-67.4 to -24)
2 COVID-19	2 Stroke	-34.8 (-51 to -19)	-7.37 (-27 to 16.1)	-51.1 (-62.1 to -37.6)
3 Stroke	3 Alzheimer's disease	87.1 (45.8 to 138)	166 (112 to 217)	19.4 (16.2 to 22.7)
4 Alzheimer's disease	4 Lung cancer	6.02 (-24 to 42.8)	50.7 (10.3 to 101)	3.36 (-21.1 to 31.6)
5 Lung cancer	5 Colorectal cancer	33.4 (-16.1 to 93.6)	89.6 (25.6 to 165)	11.7 (-22 to 47.8)
6 Colorectal cancer	6 Hypertensive heart disease	65 (9.9 to 136)	134 (57.4 to 224)	30.6 (-15.5 to 94.1)
7 Cirrhosis liver	7 Pancreatic cancer	63.7 (7.67 to 131)	133 (57.7 to 228)	48.7 (5.47 to 95)
8 Self-harm	8 Prostate cancer	54.7 (9.59 to 113)	120 (60.9 to 195)	27.8 (3.13 to 53.6)
9 Hypertensive heart disease	9 COPD	37 (0.071 to 76)	94.8 (49 to 167)	9.98 (-16.3 to 43.8)
10 Prostate cancer	10 Atrial fibrillation	121 (64.6 to 193)	214 (140 to 298)	42.1 (19.6 to 69.5)
11 Pancreatic cancer	11 Breast cancer	14.5 (-18.5 to 56.2)	62.8 (20.5 to 116)	0.289 (-20.8 to 24)
12 Stomach cancer	12 Cirrhosis liver	-16.9 (-31.7 to -1.04)	17.9 (3.97 to 33)	1.1 (-13.2 to 17)
13 Breast cancer	13 Self-harm	-20.4 (-36.7 to -3.25)	13 (-4.6 to 32.6)	-5.82 (-23.7 to 13.7)
14 COPD	14 Chronic kidney disease	76.1 (23.7 to 135)	150 (81.5 to 246)	37.4 (-2.63 to 90.9)
15 Diabetes	15 Falls	14.5 (-12.1 to 48.2)	62.5 (30.7 to 102)	-4.7 (-18.5 to 10.2)
16 Cardiomyopathy	16 Stomach cancer	-17 (-31.2 to 0.731)	17.9 (1.21 to 37.5)	-25.6 (-33.1 to -17.3)
17 Falls	17 Urinary diseases	85.1 (42.2 to 140)	163 (110 to 244)	42.1 (12.8 to 82)
18 Lower respiratory infect	18 Parkinson's disease	57.6 (21.6 to 92.2)	124 (82.3 to 171)	18.3 (2.04 to 37.1)
19 Chronic kidney disease	19 Vascular intestinal	50 (12.2 to 91.1)	113 (64.3 to 172)	12.3 (-2.87 to 30.8)
20 Atrial fibrillation	20 Lower respiratory infect	2.12 (-17.2 to 26.9)	45 (21.2 to 72)	-12.1 (-26.6 to 8.23)
21 Vascular intestinal	21 Diabetes			
22 Parkinson's disease	22 Cardiomyopathy			
27 Urinary diseases	129 COVID-19			

### Moldova, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-6.64 (-39.5 to 45.9)	46.1 (-10.2 to 120)	<b>-50.5 (-70.7 to -15.5)</b>
2 Stroke	2 Stroke	-18.2 (-40.7 to 7.9)	27.8 (-4.01 to 69.5)	<b>-49.9 (-63.3 to -29.1)</b>
3 Cirrhosis liver	3 Alzheimer's disease	<b>194 (103 to 278)</b>	<b>359 (226 to 470)</b>	<b>-2.68 (-5.3 to -0.0639)</b>
4 Hypertensive heart disease	4 Hypertensive heart disease	<b>75.9 (6.75 to 183)</b>	<b>175 (68 to 337)</b>	3.33 (-38.3 to 81.7)
5 COVID-19	5 Cirrhosis liver	-9.61 (-29.2 to 13.9)	<b>41 (17.2 to 69.2)</b>	-10.1 (-25.2 to 10.8)
6 Alzheimer's disease	6 Colorectal cancer	30.4 (-24.4 to 94.7)	<b>103 (21.3 to 202)</b>	-3.11 (-38.4 to 37.8)
7 Colorectal cancer	7 Lung cancer	12.9 (-29.8 to 64.3)	<b>75.9 (14.6 to 143)</b>	-5 (-34.1 to 27.7)
8 Lung cancer	8 COPD	<b>67.7 (21.6 to 129)</b>	<b>162 (84.2 to 257)</b>	-0.74 (-29.7 to 48.2)
9 Lower respiratory infect	9 Pancreatic cancer	66.4 (-3.73 to 153)	<b>159 (55.8 to 270)</b>	32.3 (-15.4 to 86.4)
10 COPD	10 Lower respiratory infect	-13.2 (-34.7 to 19.1)	<b>35.3 (8.39 to 72.7)</b>	<b>-22.2 (-38.6 to 5.37)</b>
11 Breast cancer	11 Breast cancer	6.53 (-32.1 to 52.5)	<b>65.7 (9.95 to 126)</b>	-12.6 (-36.1 to 15.9)
12 Diabetes	12 Urinary diseases	<b>81.3 (32.6 to 133)</b>	<b>183 (117 to 268)</b>	20.8 (-6.39 to 67.9)
13 Self-harm	13 Atrial fibrillation	<b>149 (84.2 to 230)</b>	<b>289 (184 to 380)</b>	3.74 (-9.79 to 19.7)
14 Stomach cancer	14 Prostate cancer	<b>58.2 (4.63 to 120)</b>	<b>147 (70 to 227)</b>	8.13 (-17.9 to 32.3)
15 Pancreatic cancer	15 Diabetes	-9.76 (-36.5 to 31.5)	41.1 (-0.0934 to 102)	<b>-37.5 (-55.4 to -6.6)</b>
16 Cardiomyopathy	16 Stomach cancer	-19.1 (-36.9 to 3.86)	<b>26.1 (7.1 to 50.7)</b>	<b>-34.4 (-42.2 to -25.4)</b>
17 Prostate cancer	17 Vascular intestinal	<b>67.6 (14.7 to 127)</b>	<b>161 (88.4 to 240)</b>	-6.49 (-21.2 to 8.33)
18 Alcohol use disorders	18 Self-harm	<b>-31.4 (-51.2 to -10.2)</b>	6.59 (-12.7 to 32.7)	<b>-10.3 (-27.7 to 14.3)</b>
19 Road injuries	19 Liver cancer	<b>81.3 (25.4 to 153)</b>	<b>183 (101 to 298)</b>	37.2 (-2.46 to 110)
20 Pancreatitis	20 Parkinson's disease	<b>80.9 (39.4 to 125)</b>	<b>182 (131 to 244)</b>	-1.14 (-14.1 to 11.1)
21 Urinary diseases	21 Pancreatitis			
24 Vascular intestinal	25 Cardiomyopathy			
25 Atrial fibrillation	27 Alcohol use disorders			
32 Parkinson's disease	28 Road injuries			
33 Liver cancer	129 COVID-19			

### Russia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-11.5 (-39.3 to 17.6)	-5.81 (-33.1 to 19.9)	<b>-51.3 (-67.5 to -30.9)</b>
2 Stroke	2 Stroke	-16.2 (-33.5 to 2.46)	-10.8 (-27.9 to 5.99)	<b>-54.1 (-63.7 to -41.8)</b>
3 COVID-19	3 Alzheimer's disease	<b>148 (85.3 to 225)</b>	<b>163 (103 to 227)</b>	-0.117 (-3.21 to 3.01)
4 Lung cancer	4 Colorectal cancer	35.8 (-11.7 to 93.1)	44.2 (-2.07 to 97)	-11.3 (-34.2 to 18.7)
5 Cardiomyopathy	5 Lung cancer	12 (-18.2 to 48.4)	19 (-8.85 to 51.2)	-15.4 (-32.7 to 3.94)
6 Alzheimer's disease	6 COPD	<b>63.9 (21.9 to 105)</b>	<b>74.2 (32.4 to 111)</b>	-2.04 (-26.4 to 26.8)
7 Cirrhosis liver	7 Urinary diseases	<b>154 (88.4 to 231)</b>	<b>170 (107 to 250)</b>	<b>42.9 (10.4 to 79.5)</b>
8 Colorectal cancer	8 Cardiomyopathy	<b>-20.3 (-34.9 to -1.45)</b>	-15.2 (-28.7 to 2.01)	<b>-30.9 (-42 to -16.6)</b>
9 Diabetes	9 Cirrhosis liver	-13.7 (-27.4 to 1.7)	-8.18 (-18.1 to 5.17)	<b>-19.1 (-30.4 to -5.68)</b>
10 Self-harm	10 Diabetes	4.03 (-23.4 to 38.1)	10.7 (-16.6 to 37.7)	<b>-35.9 (-51.7 to -14.1)</b>
11 COPD	11 Pancreatic cancer	<b>78.8 (19 to 156)</b>	<b>89.9 (32.3 to 160)</b>	27.4 (-5.58 to 68.9)
12 Stomach cancer	12 Chronic kidney disease	<b>122 (51.6 to 202)</b>	<b>136 (65.6 to 204)</b>	<b>41.8 (1.48 to 95.7)</b>
13 Breast cancer	13 Self-harm	-10.8 (-27.5 to 9.01)	-5.12 (-19.3 to 10.4)	-15 (-29.6 to 3.45)
14 Lower respiratory infect	14 Hypertensive heart disease	<b>102 (33.7 to 176)</b>	<b>115 (43.5 to 194)</b>	18.8 (-22.7 to 76.4)
15 Pancreatic cancer	15 Lower respiratory infect	20.8 (-2.97 to 49.3)	<b>28.5 (9.17 to 49.8)</b>	<b>-17 (-31.1 to -1.22)</b>
16 Alcohol use disorders	16 Breast cancer	18.1 (-15.1 to 66.1)	25.5 (-6.62 to 70.1)	-14.3 (-31.5 to 9.31)
17 HIV/AIDS	17 Stomach cancer	-3.68 (-21.3 to 18.1)	2.41 (-13.1 to 18.9)	<b>-32.8 (-40.9 to -24.7)</b>
18 Urinary diseases	18 Prostate cancer	<b>91.4 (42.5 to 152)</b>	<b>103 (56.1 to 157)</b>	19.8 (-1.09 to 44.8)
19 Interpersonal violence	19 Atrial fibrillation	<b>157 (89.7 to 242)</b>	<b>173 (110 to 250)</b>	13.3 (-0.548 to 34.8)
20 Road injuries	20 Vascular intestinal	<b>79.3 (34.3 to 135)</b>	<b>90.6 (48.6 to 146)</b>	-0.579 (-16.2 to 16.8)
21 Prostate cancer	21 Alcohol use disorders			
22 Hypertensive heart disease	27 Road injuries			
23 Chronic kidney disease	29 HIV/AIDS			
24 Vascular intestinal	35 Interpersonal violence			
29 Atrial fibrillation	129 COVID-19			

### Ukraine, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-5.98 (-37.2 to 36.4)	29.1 (-11.5 to 82.1)	-36.3 (-61.7 to 7.19)
2 Stroke	2 Stroke	-19.2 (-44 to 7.6)	10.7 (-14.1 to 38.6)	<b>-43.2 (-58.7 to -21.8)</b>
3 COVID-19	3 Alzheimer's disease	<b>102 (15.4 to 235)</b>	<b>175 (63 to 309)</b>	9.93 (-0.446 to 14.2)
4 Alzheimer's disease	4 Colorectal cancer	21.4 (-27.9 to 108)	<b>65.1 (3.52 to 154)</b>	-1 (-32.1 to 42.5)
5 Cirrhosis liver	5 Cardiomyopathy	-6.73 (-40.3 to 41.6)	27.2 (-10.7 to 72.7)	-18.2 (-33 to 1.11)
6 Cardiomyopathy	6 Lung cancer	-1.23 (-40.2 to 50)	34.6 (-8.99 to 89.9)	-12.9 (-38.4 to 18.4)
7 Lung cancer	7 Cirrhosis liver	<b>-23.4 (-39.8 to -1.3)</b>	5.35 (-12.2 to 26.1)	-9.77 (-26 to 8.44)
8 Colorectal cancer	8 COPD	<b>46.8 (1.6 to 110)</b>	<b>101 (48.4 to 173)</b>	6.25 (-24.5 to 44.2)
9 Self-harm	9 Hypertensive heart disease	<b>72.7 (16.6 to 148)</b>	<b>138 (59.1 to 234)</b>	30 (-21.6 to 105)
10 Stomach cancer	10 Breast cancer	7.69 (-33.1 to 66)	<b>46.9 (4.56 to 105)</b>	-5.91 (-28.2 to 24.7)
11 Breast cancer	11 Self-harm	-19.8 (-40.2 to 2.46)	10.1 (-10.8 to 29.6)	-3.7 (-23.4 to 19.4)
12 COPD	12 Pancreatic cancer	47.7 (-10.2 to 142)	<b>101 (31.9 to 196)</b>	28.8 (-12.8 to 84.5)
13 Lower respiratory infect	13 Atrial fibrillation	<b>124 (28.6 to 253)</b>	<b>205 (89.4 to 326)</b>	<b>27 (7.06 to 50.7)</b>
14 HIV/AIDS	14 Prostate cancer	59.4 (-2.41 to 145)	<b>117 (42.8 to 212)</b>	23.2 (-5.39 to 61.8)
15 Hypertensive heart disease	15 Stomach cancer	-18.9 (-41.9 to 4.87)	11 (-6.92 to 27.9)	<b>-29.3 (-37.8 to -22)</b>
16 Pancreatic cancer	16 Peripheral artery	88.1 (-1.61 to 237)	<b>155 (38.9 to 305)</b>	16.3 (-10.5 to 48.2)
17 Alcohol use disorders	17 Parkinson's disease	<b>79.1 (21.9 to 148)</b>	<b>145 (86.8 to 215)</b>	<b>20.3 (5.01 to 40.7)</b>
18 Road injuries	18 Lower respiratory infect	-23.1 (-42.7 to 0.569)	5.65 (-14.5 to 27.3)	-19.1 (-37.1 to 0.0935)
19 Prostate cancer	19 Alcohol use disorders	-14.5 (-39.6 to 25.1)	17.9 (-21.2 to 69.1)	14.4 (-23.5 to 63.1)
20 Interpersonal violence	20 Vascular intestinal	52.5 (-0.211 to 130)	<b>108 (57.6 to 179)</b>	9.13 (-6.04 to 26.1)
21 Atrial fibrillation	21 Road injuries			
22 Parkinson's disease	22 HIV/AIDS			
23 Peripheral artery	37 Interpersonal violence			
26 Vascular intestinal	129 COVID-19			

### Australia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	<b>138 (115 to 167)</b>	<b>78.1 (61.8 to 96.5)</b>	-2.76 (-6.87 to 2.02)
2 Alzheimer's disease	2 Ischemic heart disease	20.3 (-4.42 to 53.4)	-10.1 (-29.2 to 15)	<b>-49.8 (-62 to -33.6)</b>
3 Stroke	3 COPD	<b>90.2 (60.2 to 126)</b>	<b>42 (18.6 to 68.8)</b>	-12.4 (-26.5 to 5.97)
4 Lung cancer	4 Chronic kidney disease	<b>242 (178 to 328)</b>	<b>155 (112 to 216)</b>	<b>39.6 (13.2 to 82.4)</b>
5 COPD	5 Lung cancer	<b>61.8 (29.3 to 97.5)</b>	20.8 (-0.863 to 45.2)	-12.4 (-26.2 to 2.86)
6 COVID-19	6 Stroke	<b>25.4 (8.69 to 44.6)</b>	-6.34 (-18.3 to 6.87)	<b>-45.7 (-53.3 to -36.2)</b>
7 Colorectal cancer	7 Colorectal cancer	<b>97.6 (52.1 to 150)</b>	<b>47.5 (15.6 to 84.9)</b>	-2.77 (-22.6 to 16.9)
8 Chronic kidney disease	8 Atrial fibrillation	<b>199 (159 to 238)</b>	<b>123 (95.3 to 148)</b>	<b>20.9 (10.1 to 31.9)</b>
9 Lower respiratory infect	9 Lower respiratory infect	<b>126 (94.2 to 166)</b>	<b>68.8 (46.5 to 97.4)</b>	-12.6 (-25.1 to 0.836)
10 Prostate cancer	10 Falls	<b>124 (92.8 to 160)</b>	<b>67.5 (44.5 to 93.4)</b>	-8.44 (-18.8 to 3.29)
11 Falls	11 Prostate cancer	<b>110 (70.5 to 159)</b>	<b>57 (29.9 to 88.4)</b>	-3.63 (-16 to 10.4)
12 Diabetes	12 Pancreatic cancer	<b>137 (87.6 to 190)</b>	<b>76.7 (39.6 to 113)</b>	<b>26 (2.1 to 48.4)</b>
13 Pancreatic cancer	13 Diabetes	<b>75.3 (37.6 to 114)</b>	<b>30.9 (3.27 to 60.5)</b>	<b>-22.7 (-39.3 to -4.66)</b>
14 Atrial fibrillation	14 Breast cancer	<b>74.5 (43.1 to 113)</b>	<b>30.2 (8.15 to 57)</b>	-7.8 (-20.8 to 8.19)
15 Breast cancer	15 Urinary diseases	<b>260 (206 to 329)</b>	<b>169 (128 to 218)</b>	<b>42 (21.4 to 70.4)</b>
16 Self-harm	16 Nonrheum valv diseases	<b>204 (163 to 251)</b>	<b>127 (98.8 to 158)</b>	<b>21 (9.21 to 33.1)</b>
17 Parkinson's disease	17 Parkinson's disease	<b>100 (75.9 to 124)</b>	<b>49.3 (34.1 to 66.2)</b>	-5.02 (-12.2 to 4.72)
18 Liver cancer	18 Liver cancer	<b>91.3 (65.1 to 118)</b>	<b>42.8 (24.6 to 62.5)</b>	13.5 (-0.305 to 30.3)
19 Leukemia	19 Endo/metab/blood/immune	<b>145 (105 to 188)</b>	<b>82.8 (50.4 to 115)</b>	<b>17 (2.44 to 32.3)</b>
20 Lymphoma	20 Leukemia	<b>79.7 (49 to 110)</b>	<b>34.1 (12.9 to 52.7)</b>	-8.19 (-19.2 to 2.12)
22 Nonrheum valv diseases	21 Lymphoma			
25 Endo/metab/blood/immune	22 Self-harm			
29 Urinary diseases	129 COVID-19			

### New Zealand, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	27.9 (-4.44 to 61)	-4.13 (-25.7 to 20.5)	<b>-46.1 (-59.6 to -29.8)</b>
2 Stroke	2 Alzheimer's disease	<b>153 (123 to 183)</b>	<b>89.6 (70.6 to 107)</b>	0.356 (-4.64 to 5.38)
3 Alzheimer's disease	3 COPD	<b>110 (71.2 to 149)</b>	<b>57.6 (29.6 to 85.7)</b>	-3.45 (-20.2 to 17.7)
4 COPD	4 Colorectal cancer	<b>108 (56.3 to 172)</b>	<b>56.2 (18.6 to 103)</b>	-0.461 (-21.3 to 23.7)
5 Lung cancer	5 Stroke	<b>26.3 (6.74 to 46.8)</b>	-5.32 (-18.4 to 7.93)	<b>-46.1 (-54.1 to -36.2)</b>
6 Colorectal cancer	6 Lung cancer	<b>65.7 (34.5 to 100)</b>	<b>24.2 (3.1 to 51.3)</b>	-8.04 (-21.9 to 8.2)
7 COVID-19	7 Chronic kidney disease	<b>197 (137 to 260)</b>	<b>123 (78.9 to 164)</b>	<b>28.2 (1.17 to 58)</b>
8 Lower respiratory infect	8 Lower respiratory infect	<b>136 (103 to 170)</b>	<b>76.9 (54.4 to 104)</b>	<b>-13.4 (-25.1 to -0.563)</b>
9 Chronic kidney disease	9 Atrial fibrillation	<b>203 (165 to 242)</b>	<b>127 (100 to 153)</b>	<b>17.8 (7.34 to 29.3)</b>
10 Prostate cancer	10 Prostate cancer	<b>119 (74.2 to 170)</b>	<b>64.3 (33.3 to 102)</b>	-1.46 (-14.7 to 15.4)
11 Breast cancer	11 Nonrheum valv diseases	<b>221 (170 to 277)</b>	<b>141 (104 to 178)</b>	<b>25.9 (12.5 to 45)</b>
12 Atrial fibrillation	12 Falls	<b>132 (93.7 to 170)</b>	<b>74.1 (48.2 to 102)</b>	<b>-8.48 (-18.4 to 3.34)</b>
13 Falls	13 Pancreatic cancer	<b>137 (88.9 to 199)</b>	<b>77.5 (40.7 to 117)</b>	<b>26.2 (2.28 to 52.3)</b>
14 Diabetes	14 Breast cancer	<b>68.8 (37.1 to 104)</b>	<b>26.5 (4.5 to 49.9)</b>	-11.4 (-24.5 to 3.48)
15 Pancreatic cancer	15 Diabetes	<b>93.3 (51.7 to 150)</b>	<b>44.9 (13.8 to 82.6)</b>	-13.9 (-32.8 to 8.82)
16 Self-harm	16 Parkinson's disease	<b>123 (96.2 to 153)</b>	<b>67 (49.5 to 86.2)</b>	0.189 (-7.99 to 9.29)
17 Nonrheum valv diseases	17 Urinary diseases	<b>275 (205 to 357)</b>	<b>181 (139 to 237)</b>	<b>47.1 (26.1 to 76.8)</b>
18 Parkinson's disease	18 Melanoma	<b>105 (83.1 to 127)</b>	<b>53.8 (39.4 to 70)</b>	6.51 (-1.47 to 15.9)
19 Lymphoma	19 Lymphoma	<b>81.4 (48.1 to 116)</b>	<b>36 (12.9 to 58.5)</b>	-6.17 (-19.5 to 8.3)
20 Stomach cancer	20 Leukemia	<b>81.1 (56.1 to 116)</b>	<b>35.8 (16.8 to 57)</b>	-8.71 (-18.5 to 3.66)
23 Leukemia	24 Self-harm			
24 Melanoma	34 Stomach cancer			
35 Urinary diseases	127 COVID-19			



### Brunei, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	355 (263 to 481)	356 (265 to 477)	22.9 (-6.02 to 65.9)
2 Stroke	2 Ischemic heart disease	67.3 (24 to 120)	68.1 (24.7 to 127)	-48.2 (-62.5 to -25.4)
3 Diabetes	3 COPD	413 (317 to 519)	415 (327 to 535)	15.3 (-8.9 to 48.2)
4 COVID-19	4 Stroke	111 (73 to 159)	112 (74.4 to 152)	-42.6 (-54 to -27.3)
5 Chronic kidney disease	5 Lower respiratory infect	327 (253 to 429)	329 (261 to 407)	-5.75 (-24.2 to 14.7)
6 Lung cancer	6 Diabetes	106 (48.5 to 175)	107 (49.2 to 180)	-36.1 (-54.9 to -9.48)
7 Lower respiratory infect	7 Lung cancer	266 (164 to 383)	267 (182 to 363)	11.5 (-10.7 to 37.2)
8 COPD	8 Colorectal cancer	222 (119 to 346)	222 (129 to 324)	5.29 (-21.4 to 37.9)
9 Colorectal cancer	9 Alzheimer's disease	490 (372 to 627)	492 (389 to 602)	3.16 (-2.2 to 9.06)
10 Road injuries	10 Hypertensive heart disease	420 (307 to 551)	422 (321 to 537)	16.9 (-10.5 to 52.3)
11 Breast cancer	11 Urinary diseases	557 (426 to 690)	559 (443 to 684)	50.4 (27 to 87.4)
12 Liver cancer	12 Liver cancer	258 (196 to 334)	259 (201 to 336)	25.4 (3.71 to 57.9)
13 Alzheimer's disease	13 Pancreatic cancer	363 (237 to 517)	364 (260 to 503)	46.8 (17.3 to 85.7)
14 Stomach cancer	14 Endo/metab/blood/immune	218 (157 to 285)	219 (169 to 275)	27.3 (10.3 to 47.4)
15 Cirrhosis liver	15 Atrial fibrillation	511 (394 to 649)	513 (420 to 625)	29.2 (16.2 to 45.1)
16 Hypertensive heart disease	16 Prostate cancer	437 (291 to 594)	439 (318 to 584)	29 (6.79 to 52.9)
17 Endo/metab/blood/immune	17 Breast cancer	86 (36.3 to 143)	86.4 (44.3 to 126)	-12 (-30.7 to 8.12)
18 Congenital defects	18 Stomach cancer	113 (78.9 to 155)	114 (86.4 to 146)	-28.4 (-33.9 to -21.6)
19 Neonatal disorders	19 Lymphoma	196 (111 to 285)	197 (116 to 267)	3.87 (-19.3 to 26.2)
20 Cardiomyopathy	20 Parkinson's disease	415 (321 to 517)	416 (351 to 484)	14.1 (2.89 to 25.8)
21 Lymphoma	21 Cardiomyopathy			
22 Urinary diseases	22 Cirrhosis liver			
24 Pancreatic cancer	24 Road injuries			
32 Prostate cancer	53 Congenital defects			
34 Atrial fibrillation	65 Neonatal disorders			
37 Parkinson's disease	130 COVID-19			

### Japan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Alzheimer's disease	1 Alzheimer's disease	38.6 (22.7 to 54.1)	62.4 (48.1 to 74.8)	-9.31 (-13.7 to -4.39)
2 Stroke	2 Lower respiratory infect	26.3 (8.34 to 47.3)	48 (27.6 to 66.4)	-12.4 (-23.6 to -1.47)
3 Ischemic heart disease	3 Chronic kidney disease	94 (53.8 to 135)	127 (79.6 to 172)	29.6 (5.5 to 57.1)
4 Lower respiratory infect	4 Lung cancer	10.7 (-10.1 to 35.9)	29.7 (6.61 to 57.4)	-12.7 (-25.5 to 1.08)
5 Lung cancer	5 Stroke	-29.9 (-40.7 to -19.3)	-17.8 (-28.8 to -6.39)	-45.6 (-52.9 to -37.4)
6 Colorectal cancer	6 Colorectal cancer	22.5 (-2.96 to 50.6)	43.5 (14.2 to 74.2)	-6.81 (-24.7 to 13)
7 Stomach cancer	7 Ischemic heart disease	-36.3 (-49.9 to -19.4)	-25.3 (-40.6 to -5.47)	-55.8 (-65.7 to -43.9)
8 Chronic kidney disease	8 Pancreatic cancer	50 (20.2 to 83.8)	75.8 (43.4 to 109)	23.5 (1.46 to 44.9)
9 Pancreatic cancer	9 Stomach cancer	-15.3 (-24.4 to -4.44)	-0.788 (-9.69 to 9.46)	-35.8 (-40.2 to -30.1)
10 COPD	10 Liver cancer	41.8 (21.8 to 65)	66.2 (43.5 to 92.4)	25.5 (11.1 to 41.1)
11 Liver cancer	11 Nonrheum valv diseases	97.3 (66.4 to 134)	131 (95.4 to 179)	23 (8.7 to 38.4)
12 Interstitial lung disease	12 COPD	24.8 (1.79 to 47.2)	46.2 (23.5 to 72.6)	-12.7 (-26.2 to 1.68)
13 Aortic aneurysm	13 Interstitial lung disease	34.2 (17 to 54.4)	57.2 (40 to 75.6)	8.17 (-2.02 to 19.1)
14 Nonrheum valv diseases	14 Urinary diseases	126 (85.6 to 181)	164 (123 to 230)	41.7 (22.5 to 69.2)
15 Cirrhosis liver	15 Aortic aneurysm	8.77 (-6.63 to 25.1)	27.5 (11.2 to 45.8)	-18.5 (-27.4 to -9.25)
16 Gallbladder cancer	16 Hypertensive heart disease	47.9 (12 to 94.9)	73.4 (31.9 to 126)	-0.202 (-21.3 to 26.8)
17 Self-harm	17 Parkinson's disease	21.7 (9.97 to 36.1)	42.6 (31 to 57.2)	-0.0456 (-7.51 to 8.69)
18 Parkinson's disease	18 Atrial fibrillation	59.6 (40.2 to 82.4)	87.1 (67.1 to 108)	13.7 (4.35 to 23.8)
19 COVID-19	19 Cirrhosis liver	0.764 (-9.53 to 11.5)	18.1 (7.68 to 29.2)	-2.53 (-10.4 to 7.36)
20 Breast cancer	20 Prostate cancer	36.8 (9.02 to 69.5)	60.4 (28 to 98.5)	5.08 (-9.16 to 20.4)
22 Prostate cancer	22 Gallbladder cancer			
23 Hypertensive heart disease	25 Self-harm			
26 Atrial fibrillation	26 Breast cancer			
27 Urinary diseases	128 COVID-19			

### South Korea, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Alzheimer's disease	246 (206 to 290)	277 (242 to 316)	-17.3 (-21.7 to -12.5)
2 Alzheimer's disease	2 Lower respiratory infect	227 (173 to 291)	256 (204 to 311)	-19.1 (-30.8 to -6.88)
3 Ischemic heart disease	3 Stroke	50.2 (29.6 to 72)	63.5 (41.5 to 84.6)	-55.7 (-61.8 to -49.9)
4 Lung cancer	4 Lung cancer	105 (67.3 to 144)	123 (86.1 to 164)	-22.4 (-32.2 to -11.1)
5 COVID-19	5 Chronic kidney disease	319 (243 to 398)	355 (271 to 440)	13.4 (-5.49 to 35.6)
6 Lower respiratory infect	6 Ischemic heart disease	37.8 (8.98 to 66.9)	50 (19.2 to 81.1)	-62.6 (-70.4 to -53.7)
7 Liver cancer	7 COPD	211 (154 to 279)	238 (181 to 304)	-20.5 (-33.1 to -5.71)
8 Self-harm	8 Liver cancer	132 (97.5 to 167)	152 (120 to 192)	11.9 (-1.48 to 25.6)
9 Stomach cancer	9 Colorectal cancer	166 (109 to 231)	189 (131 to 256)	-6.42 (-22.2 to 12.7)
10 Colorectal cancer	10 Pancreatic cancer	182 (123 to 242)	206 (148 to 267)	14 (-4.61 to 33)
11 COPD	11 Hypertensive heart disease	312 (232 to 415)	348 (258 to 448)	-7.08 (-25.3 to 11.6)
12 Diabetes	12 Stomach cancer	62.2 (40.9 to 84.8)	76.4 (56.4 to 97.2)	-40.1 (-44.6 to -35.1)
13 Chronic kidney disease	13 Diabetes	70 (34.1 to 113)	85 (47.2 to 131)	-46 (-56.1 to -34.1)
14 Cirrhosis liver	14 Cirrhosis liver	59.1 (36.1 to 86.8)	73.1 (50.8 to 101)	-12.9 (-23.1 to -2.9)
15 Pancreatic cancer	15 Self-harm	8.77 (-5.87 to 22.4)	18.4 (5.25 to 31.2)	-21.9 (-29.6 to -13.2)
16 Gallbladder cancer	16 Atrial fibrillation	333 (279 to 394)	371 (321 to 428)	9.65 (0.24 to 19.3)
17 Falls	17 Falls	173 (130 to 225)	198 (148 to 250)	-18 (-26.6 to -8.96)
18 Hypertensive heart disease	18 Parkinson's disease	204 (165 to 240)	231 (198 to 268)	-5.39 (-14.2 to 2.28)
19 Road injuries	19 Urinary diseases	423 (317 to 553)	470 (357 to 606)	23.9 (5.5 to 48.9)
20 Parkinson's disease	20 Gallbladder cancer	82.2 (58.3 to 114)	98.3 (71.2 to 124)	-35.8 (-41.1 to -29.2)
21 Atrial fibrillation	24 Road injuries			
31 Urinary diseases	132 COVID-19			

### Singapore, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Lower respiratory infect	299 (247 to 354)	201 (163 to 245)	-16 (-26.3 to -1.96)
2 Ischemic heart disease	2 Alzheimer's disease	399 (335 to 470)	276 (232 to 316)	-6.04 (-10.7 to -1.14)
3 Alzheimer's disease	3 Ischemic heart disease	35.6 (3.05 to 78.9)	2.13 (-20.5 to 31.5)	-63 (-71.1 to -50.4)
4 Lung cancer	4 Urinary diseases	619 (483 to 767)	442 (341 to 542)	42.4 (15.7 to 71.7)
5 Stroke	5 Chronic kidney disease	348 (253 to 478)	238 (168 to 330)	7.15 (-14.6 to 38.3)
6 Colorectal cancer	6 Lung cancer	179 (121 to 240)	110 (68.5 to 159)	-14.2 (-28.1 to 1.88)
7 Chronic kidney disease	7 Colorectal cancer	232 (141 to 324)	150 (85.7 to 216)	-1.95 (-23.7 to 21.5)
8 COVID-19	8 Hypertensive heart disease	316 (215 to 436)	214 (144 to 299)	10.9 (-15.9 to 43.8)
9 Urinary diseases	9 COPD	305 (225 to 392)	205 (151 to 265)	-8.64 (-23.4 to 10.9)
10 Hypertensive heart disease	10 Stroke	70.7 (43.8 to 99.9)	28.7 (11.7 to 48)	-53.3 (-59.7 to -44.2)
11 COPD	11 Pancreatic cancer	286 (194 to 379)	191 (123 to 256)	27.6 (0.459 to 52.8)
12 Liver cancer	12 Liver cancer	205 (155 to 264)	130 (97.7 to 168)	12.2 (-4.94 to 31.9)
13 Breast cancer	13 Prostate cancer	337 (248 to 433)	229 (163 to 303)	10.4 (-6.74 to 26.5)
14 Pancreatic cancer	14 Breast cancer	111 (63.2 to 157)	59.3 (28.1 to 92.7)	-10 (-26 to 7.24)
15 Self-harm	15 Parkinson's disease	306 (260 to 357)	206 (176 to 242)	1.15 (-6.69 to 10.6)
16 Stomach cancer	16 Stomach cancer	126 (96.6 to 155)	70.3 (51.9 to 88.7)	-34.7 (-40.1 to -29.7)
17 Prostate cancer	17 Falls	234 (183 to 291)	152 (115 to 189)	-14 (-22.6 to -5.97)
18 Parkinson's disease	18 Lymphoma	189 (132 to 243)	118 (78.6 to 154)	-6 (-22 to 8.54)
19 Lymphoma	19 Self-harm	30.1 (11.4 to 49.5)	-1.95 (-14 to 11.8)	-25.3 (-36.6 to -13.7)
20 Falls	20 Aortic aneurysm	213 (161 to 278)	136 (99 to 174)	-13.5 (-24.6 to -0.618)
23 Aortic aneurysm	127 COVID-19			

### Canada, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	17 (-8.01 to 44.1)	-9.26 (-28.4 to 12.1)	<b>-50.4 (-61.7 to -36.3)</b>
2 Lung cancer	2 Alzheimer's disease	<b>153 (127 to 180)</b>	<b>96.2 (77.4 to 115)</b>	-3.11 (-7.76 to 1.18)
<span style="color: red;">3 COVID-19</span>	3 Lung cancer	<b>53.9 (27.1 to 82.9)</b>	<b>19.3 (0.297 to 42)</b>	-10.9 (-22.6 to 2.99)
4 Alzheimer's disease	4 COPD	<b>101 (66.5 to 136)</b>	<b>55.7 (31.3 to 81.4)</b>	-7.09 (-22 to 8.51)
5 Stroke	5 Chronic kidney disease	<b>261 (202 to 328)</b>	<b>180 (133 to 230)</b>	<b>44.7 (19.7 to 76.4)</b>
6 COPD	6 Stroke	<b>27.8 (10.6 to 45.7)</b>	-0.874 (-12.9 to 11.7)	<b>-44 (-51.4 to -35.5)</b>
7 Colorectal cancer	7 Colorectal cancer	<b>92.8 (54.3 to 138)</b>	<b>49.5 (20.3 to 84.3)</b>	-5.63 (-22.6 to 13.7)
<span style="color: red;">8 Lower respiratory infect</span>	<span style="color: red;">8 Lower respiratory infect</span>	<b>116 (89.1 to 149)</b>	<b>67.8 (46.1 to 93)</b>	<b>-13.4 (-23.7 to -0.536)</b>
9 Chronic kidney disease	<span style="color: green;">9 Falls</span>	<b>134 (98.1 to 169)</b>	<b>81.7 (55.1 to 108)</b>	-7.68 (-18.1 to 1.67)
<span style="color: green;">10 Falls</span>	10 Pancreatic cancer	<b>125 (82.3 to 180)</b>	<b>74.1 (44.4 to 117)</b>	<b>25.3 (6.16 to 51.2)</b>
11 Diabetes	11 Prostate cancer	<b>129 (89.1 to 183)</b>	<b>77.7 (46.8 to 123)</b>	2.39 (-9.55 to 17.4)
12 Breast cancer	12 Atrial fibrillation	<b>214 (171 to 252)</b>	<b>144 (115 to 171)</b>	<b>18.7 (8.88 to 28.6)</b>
13 Pancreatic cancer	13 Nonrheum valv diseases	<b>241 (197 to 291)</b>	<b>164 (131 to 210)</b>	<b>26.5 (12.6 to 40.9)</b>
14 Prostate cancer	14 Diabetes	<b>73.1 (38.6 to 114)</b>	<b>34.2 (6.21 to 62.9)</b>	<b>-23.3 (-37.8 to -8.3)</b>
15 Cirrhosis liver	15 Breast cancer	<b>72.3 (44.3 to 105)</b>	<b>33.6 (13.4 to 55.1)</b>	-7.36 (-17.8 to 6.62)
<span style="color: green;">16 Self-harm</span>	16 Urinary diseases	<b>290 (217 to 366)</b>	<b>202 (148 to 254)</b>	<b>48.7 (25 to 73.2)</b>
17 Parkinson's disease	17 Parkinson's disease	<b>119 (95.7 to 147)</b>	<b>69.9 (53.5 to 91.1)</b>	1.25 (-7.38 to 9.72)
18 Atrial fibrillation	18 Liver cancer	<b>110 (81.9 to 134)</b>	<b>62.5 (43.7 to 82.9)</b>	<b>30.8 (16.7 to 45.8)</b>
19 Drug use disorders	19 Interstitial lung disease	<b>115 (86.8 to 144)</b>	<b>66.7 (44.9 to 87.8)</b>	5.43 (-5.11 to 15.4)
20 Lymphoma	20 Drug use disorders	<b>85.9 (57.4 to 119)</b>	<b>44.2 (22.6 to 68.4)</b>	<b>38.7 (16.2 to 64.3)</b>
21 Nonrheum valv diseases	22 Lymphoma			
22 Liver cancer	24 Cirrhosis liver			
24 Interstitial lung disease	28 Self-harm			
29 Urinary diseases	128 COVID-19			

### Greenland, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Lung cancer	56.9 (23.3 to 96.9)	48.1 (17.3 to 82.3)	-13.8 (-29.8 to 4.54)
2 Lung cancer	2 COPD	147 (89.9 to 222)	133 (77.4 to 201)	-13.8 (-30.8 to 9.68)
3 COVID-19	3 Ischemic heart disease	28.9 (-9.38 to 75.9)	21.6 (-12.1 to 64.9)	<b>-54.7 (-67.9 to -36.2)</b>
4 Stroke	4 Stroke	64.6 (24.6 to 106)	55.3 (21.3 to 92.8)	<b>-49.2 (-59.2 to -37.1)</b>
5 Self-harm	5 Alzheimer's disease	423 (305 to 537)	394 (285 to 490)	<b>-8.16 (-12.4 to -2.85)</b>
6 COPD	6 Lower respiratory infect	226 (150 to 296)	208 (142 to 269)	<b>-15.9 (-30.9 to -2.32)</b>
7 Colorectal cancer	7 Colorectal cancer	102 (46.1 to 165)	90.8 (36.7 to 146)	-10.6 (-34 to 14.5)
8 Pancreatic cancer	8 Chronic kidney disease	272 (172 to 387)	251 (160 to 355)	8.41 (-19.4 to 44.2)
9 Lower respiratory infect	9 Self-harm	-14.7 (-29.3 to 1.21)	<b>-19.5 (-29.8 to -4.56)</b>	<b>-22.3 (-33.9 to -6.25)</b>
10 Alzheimer's disease	10 Pancreatic cancer	136 (77.6 to 203)	122 (69.9 to 184)	20.8 (-5.64 to 49.5)
11 Falls	11 Falls	187 (128 to 248)	170 (121 to 221)	<b>-15.3 (-23.1 to -7.47)</b>
12 Alcohol use disorders	12 Atrial fibrillation	365 (259 to 466)	339 (252 to 411)	4.35 (-3.46 to 15)
13 Esophageal cancer	13 Urinary diseases	467 (304 to 637)	435 (290 to 580)	<b>36 (9.68 to 70.2)</b>
14 Chronic kidney disease	14 Parkinson's disease	270 (195 to 343)	249 (191 to 312)	-4.59 (-12.4 to 4.22)
15 Cirrhosis liver	15 Esophageal cancer	47.7 (22.6 to 70)	39.4 (22.5 to 56.5)	<b>-14.4 (-22.6 to -6)</b>
16 Cardiomyopathy	16 Nonrheum valv diseases	354 (249 to 463)	328 (234 to 431)	6.36 (-5.78 to 19.9)
17 Stomach cancer	17 Diabetes	76.8 (21 to 133)	66.9 (16.5 to 118)	<b>-28.2 (-47.5 to -6.04)</b>
18 Breast cancer	18 Prostate cancer	199 (118 to 292)	182 (118 to 258)	-0.677 (-16.3 to 13.6)
19 Diabetes	19 Liver cancer	122 (79.7 to 166)	110 (75.9 to 148)	16.3 (-1.84 to 40.5)
20 Interpersonal violence	20 Other digestive	269 (186 to 366)	248 (172 to 328)	<b>24.9 (1.97 to 53.5)</b>
21 Liver cancer	21 Breast cancer			
26 Atrial fibrillation	23 Cardiomyopathy			
27 Parkinson's disease	25 Alcohol use disorders			
29 Prostate cancer	26 Stomach cancer			
36 Urinary diseases	27 Cirrhosis liver			
38 Nonrheum valv diseases	50 Interpersonal violence			
39 Other digestive	127 COVID-19			

### USA, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-5.57 (-22.1 to 12.6)	-11 (-24.5 to 5.79)	<b>-49 (-57.9 to -37.2)</b>
2 COVID-19	2 Alzheimer's disease	<b>118 (94.7 to 142)</b>	<b>106 (87.2 to 124)</b>	2.5 (-1.69 to 6.91)
3 COPD	3 Chronic kidney disease	<b>160 (123 to 200)</b>	<b>145 (113 to 182)</b>	<b>42.6 (21.5 to 67.8)</b>
4 Alzheimer's disease	4 COPD	<b>63 (40.7 to 88.1)</b>	<b>53.6 (33.5 to 77.6)</b>	-5.11 (-17.6 to 8.88)
5 Stroke	5 Lung cancer	<b>30 (10.6 to 52.3)</b>	<b>22.4 (4.99 to 43.9)</b>	<b>-12.1 (-22.8 to -0.169)</b>
6 Lung cancer	6 Stroke	6.73 (-5.38 to 19.6)	0.569 (-9.34 to 9.23)	<b>-40.3 (-46.8 to -33.5)</b>
7 Chronic kidney disease	7 Hypertensive heart disease	<b>107 (76.5 to 145)</b>	<b>95.4 (65.4 to 134)</b>	<b>22.8 (2.39 to 50.3)</b>
8 Colorectal cancer	8 Colorectal cancer	<b>49.5 (21.5 to 84.3)</b>	<b>40.9 (14.4 to 71.8)</b>	-6.22 (-22.1 to 10.2)
9 Diabetes	9 Pancreatic cancer	<b>87 (57.1 to 122)</b>	<b>76.1 (48.5 to 113)</b>	<b>26.5 (10.2 to 45.4)</b>
10 Drug use disorders	10 Lower respiratory infect	<b>63.8 (42.1 to 84.7)</b>	<b>54.3 (35.8 to 74.1)</b>	<b>-10.4 (-20.7 to -0.465)</b>
11 Hypertensive heart disease	11 Drug use disorders	<b>47.1 (22.6 to 75.7)</b>	<b>38.6 (18 to 62.2)</b>	<b>34.8 (12.3 to 61.1)</b>
12 Cirrhosis liver	12 Atrial fibrillation	<b>166 (132 to 208)</b>	<b>150 (123 to 178)</b>	<b>27.7 (16.6 to 37.8)</b>
13 Lower respiratory infect	13 Falls	<b>83.9 (58.9 to 111)</b>	<b>73.3 (52.3 to 97.2)</b>	-3.11 (-11.5 to 6.24)
14 Pancreatic cancer	14 Endo/metab/blood/immune	<b>113 (82 to 147)</b>	<b>101 (74.5 to 128)</b>	<b>30.2 (17.7 to 43.3)</b>
15 Breast cancer	15 Prostate cancer	<b>85.5 (57.2 to 119)</b>	<b>74.8 (50.5 to 103)</b>	5.48 (-5.32 to 17.4)
16 Falls	16 Nonrheum valv diseases	<b>188 (152 to 235)</b>	<b>172 (138 to 209)</b>	<b>33.9 (21.1 to 49.5)</b>
17 Self-harm	17 Diabetes	6.07 (-12.3 to 25.1)	-0.0285 (-16.7 to 18.6)	<b>-35.7 (-46.1 to -24.9)</b>
18 Prostate cancer	18 Breast cancer	<b>41.4 (19.6 to 62.9)</b>	<b>33.2 (16.1 to 51.9)</b>	-6.21 (-16.8 to 4.89)
19 Endo/metab/blood/immune	19 Parkinson's disease	<b>97.9 (76.1 to 121)</b>	<b>86.5 (68.9 to 104)</b>	7.11 (-1.83 to 15.9)
20 Road injuries	20 Cirrhosis liver	6.1 (-4.88 to 16.3)	-0.0417 (-7.25 to 7.11)	<b>-12.1 (-19.1 to -6.11)</b>
21 Parkinson's disease	23 Self-harm			
22 Atrial fibrillation	24 Road injuries			
25 Nonrheum valv diseases	129 COVID-19			

### Argentina, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Lower respiratory infect	67 (41.6 to 98.1)	61.7 (43.4 to 82.5)	-12.9 (-24.9 to -0.822)
2 Ischemic heart disease	2 Chronic kidney disease	138 (91.2 to 196)	131 (87.7 to 170)	26.9 (0.888 to 53.7)
3 Stroke	3 Ischemic heart disease	-1.24 (-24.9 to 24.9)	-4.27 (-26.1 to 20.3)	-47 (-60.5 to -29.2)
4 COVID-19	4 COPD	81.5 (48.3 to 119)	75.9 (48.4 to 101)	-3.98 (-20.9 to 12.3)
5 Chronic kidney disease	5 Alzheimer's disease	108 (73.5 to 148)	101 (80.5 to 124)	1.22 (-3.92 to 6.46)
6 COPD	6 Stroke	2.49 (-15.9 to 22.8)	-0.718 (-13.8 to 13.2)	-42.9 (-52.2 to -33.6)
7 Alzheimer's disease	7 Lung cancer	87.6 (47.6 to 131)	81.5 (53.8 to 117)	7.32 (-7.76 to 26.2)
8 Lung cancer	8 Colorectal cancer	81.6 (33.2 to 137)	75.6 (37 to 123)	1.38 (-18.2 to 26.2)
9 Colorectal cancer	9 Hypertensive heart disease	103 (57.9 to 151)	96.5 (64.1 to 131)	4.94 (-16.3 to 27.5)
10 Diabetes	10 Urinary diseases	175 (125 to 239)	166 (129 to 213)	41.3 (19.1 to 64)
11 Hypertensive heart disease	11 Pancreatic cancer	150 (89.9 to 223)	142 (97.4 to 199)	41.6 (17.9 to 70)
12 Breast cancer	12 Diabetes	34.6 (3.32 to 69.4)	30.4 (3.32 to 62)	-25.9 (-43.1 to -7.76)
13 Cardiomyopathy	13 Breast cancer	68.5 (33.4 to 120)	63 (37.3 to 97.3)	-1.9 (-15.7 to 16.3)
14 Cirrhosis liver	14 Prostate cancer	101 (59.5 to 155)	94.9 (65.6 to 130)	7.97 (-6.91 to 24.2)
15 Other cardiovascular	15 Cardiomyopathy	44.4 (20.1 to 74.1)	39.8 (24.1 to 60)	-20.9 (-28.3 to -12.4)
16 Pancreatic cancer	16 Other cardiovascular	54 (29.9 to 78.8)	49.1 (36.2 to 65.2)	-17.6 (-24.7 to -9.2)
17 Urinary diseases	17 Cirrhosis liver	33.9 (14.8 to 60.3)	29.7 (17 to 41.7)	-16.5 (-24.6 to -9.32)
18 Prostate cancer	18 Bacterial skin	227 (138 to 331)	217 (129 to 299)	77.8 (25.4 to 130)
19 Road injuries	19 Ileus & obstruction	91.8 (59.5 to 128)	85.7 (66.4 to 104)	2.26 (-11.1 to 13.9)
20 Self-harm	20 Parkinson's disease	99.5 (69.5 to 137)	93.2 (72.2 to 113)	4.5 (-4.2 to 13.7)
22 Ileus & obstruction	23 Road injuries			
23 Parkinson's disease	26 Self-harm			
35 Bacterial skin	133 COVID-19			



### Chile, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Chronic kidney disease	240 (181 to 319)	198 (147 to 259)	16.5 (-3.26 to 41.9)
2 Ischemic heart disease	2 Alzheimer's disease	213 (175 to 261)	174 (149 to 202)	-4.43 (-8.65 to 0.285)
3 Stroke	3 Lower respiratory infect	162 (122 to 211)	130 (95.6 to 164)	<b>-16.5 (-28.4 to -4.44)</b>
4 Lower respiratory infect	4 Stroke	28.7 (8.99 to 50)	12.7 (-2.09 to 27.8)	<b>-51.7 (-58 to -44.5)</b>
5 Chronic kidney disease	5 COPD	189 (139 to 259)	153 (115 to 206)	-5.57 (-20.8 to 14.1)
6 Alzheimer's disease	6 Ischemic heart disease	16.2 (-9.53 to 49.8)	1.83 (-19 to 29.2)	<b>-54.7 (-64.3 to -42.9)</b>
7 Cirrhosis liver	7 Hypertensive heart disease	204 (137 to 278)	167 (110 to 219)	-0.5 (-20.3 to 20.6)
8 COPD	8 Urinary diseases	316 (248 to 401)	264 (212 to 325)	35.7 (18 to 57.5)
9 Stomach cancer	9 Colorectal cancer	128 (81.6 to 182)	100 (60.1 to 147)	-1.74 (-19.6 to 17.3)
10 Lung cancer	10 Lung cancer	99.9 (63.8 to 134)	75.2 (48 to 105)	-4.91 (-18.1 to 9.07)
11 Colorectal cancer	11 Prostate cancer	169 (125 to 224)	136 (101 to 178)	2.24 (-9.7 to 16.3)
12 Hypertensive heart disease	12 Cirrhosis liver	45.9 (31.9 to 63.3)	27.9 (17.8 to 38.2)	<b>-14.8 (-21.3 to -8.23)</b>
13 Diabetes	13 Interstitial lung disease	156 (122 to 197)	124 (100 to 149)	-0.138 (-8.03 to 8.33)
14 Prostate cancer	14 Diabetes	89.8 (46.7 to 142)	66.3 (31.5 to 105)	<b>-28.8 (-42.7 to -12.5)</b>
15 Interstitial lung disease	15 Stomach cancer	41.8 (23.6 to 63.5)	24.3 (14.1 to 37.5)	<b>-36.8 (-41.3 to -31.2)</b>
16 Urinary diseases	16 Pancreatic cancer	182 (125 to 240)	148 (99.5 to 199)	31 (8.77 to 56)
17 Road injuries	17 Breast cancer	99.8 (62.8 to 137)	75.1 (43.7 to 107)	-6.67 (-20.8 to 7.96)
18 Self-harm	18 Falls	153 (112 to 199)	121 (91.2 to 156)	<b>-11.5 (-20.5 to -0.956)</b>
19 Gallbladder cancer	19 Atrial fibrillation	249 (203 to 293)	205 (176 to 239)	8.29 (0.575 to 17.2)
20 Pancreatic cancer	20 Parkinson's disease	167 (130 to 201)	134 (109 to 160)	-3.05 (-11 to 6.54)
21 Breast cancer	21 Gallbladder cancer			
22 Falls	24 Road injuries			
23 Parkinson's disease	25 Self-harm			
24 Atrial fibrillation	131 COVID-19			

### Uruguay, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 COPD	29.7 (6.03 to 57.8)	39.3 (17.7 to 61.9)	-10.6 (-24 to 5.39)
2 Stroke	2 Ischemic heart disease	-30.7 (-47 to -10.6)	-25.5 (-41.8 to -5.82)	-51.6 (-62.8 to -35.7)
3 COPD	3 Stroke	-31 (-43.8 to -18.2)	-25.9 (-35.7 to -15.7)	-50.8 (-58.1 to -42.5)
4 COVID-19	4 Colorectal cancer	42.3 (9.81 to 77.2)	53 (21.6 to 89.7)	1.07 (-18.8 to 22.1)
5 Lung cancer	5 Lung cancer	29.2 (3.98 to 59.4)	38.8 (17.7 to 63.7)	-5.07 (-18.8 to 9.29)
6 Lower respiratory infect	6 Alzheimer's disease	47.5 (23.6 to 73.4)	58.5 (43.8 to 73.2)	-1.29 (-6.6 to 3.84)
7 Colorectal cancer	7 Lower respiratory infect	22.9 (1.65 to 49.3)	32 (15.4 to 50.2)	-16.2 (-26.8 to -3.12)
8 Alzheimer's disease	8 Chronic kidney disease	71.4 (39 to 111)	84.1 (53.5 to 117)	17.5 (-4.45 to 43.9)
9 Chronic kidney disease	9 Urinary diseases	107 (64.7 to 150)	122 (87.7 to 162)	39.3 (17.3 to 67.6)
10 Diabetes	10 Pancreatic cancer	86.6 (45.2 to 134)	101 (61.3 to 142)	35.8 (12.1 to 64)
11 Breast cancer	11 Prostate cancer	46.2 (18.5 to 76.8)	57.1 (35.2 to 82.6)	2.98 (-9.98 to 16.3)
12 Prostate cancer	12 Breast cancer	31.2 (5.33 to 59.8)	41 (17.3 to 66.6)	-3.84 (-18.6 to 11.4)
13 Hypertensive heart disease	13 Hypertensive heart disease	41.2 (12 to 78.5)	51.7 (25.4 to 85.9)	-1.12 (-20.8 to 23.6)
14 Pancreatic cancer	14 Diabetes	16.8 (-11.3 to 51.7)	25.5 (-4.05 to 57.1)	-19.3 (-38.5 to 3.36)
15 Urinary diseases	15 Nonrheum valv diseases	75.1 (42.9 to 108)	88.2 (65.9 to 114)	17.9 (6.24 to 31)
16 Self-harm	16 Self-harm	-11.8 (-26.1 to 1.95)	-5.19 (-14.2 to 5.42)	-12.4 (-23.2 to -0.0293)
17 Stomach cancer	17 Parkinson's disease	42.9 (18.2 to 70.7)	53.5 (39.3 to 70.2)	0.136 (-8.47 to 9.06)
18 Road injuries	18 Stomach cancer	-12.5 (-26.6 to 1.78)	-5.95 (-14.1 to 1.74)	-36.9 (-41.1 to -32.5)
19 Nonrheum valv diseases	19 Road injuries	-5.01 (-26.4 to 25.2)	2.02 (-17.5 to 28)	-2.58 (-22.9 to 25.8)
20 Cirrhosis liver	20 Kidney cancer	42.1 (12.1 to 77.6)	52.8 (27.5 to 85.3)	8.34 (-8.68 to 30.6)
21 Parkinson's disease	23 Cirrhosis liver			
22 Kidney cancer	129 COVID-19			

### Andorra, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	205 (136 to 283)	260 (198 to 330)	1.62 (-3.81 to 7.08)
2 Alzheimer's disease	2 Ischemic heart disease	40.9 (-5.61 to 97.4)	66.6 (14.1 to 131)	-47.9 (-64 to -26.5)
3 COVID-19	3 COPD	164 (94.3 to 242)	212 (136 to 297)	-3.08 (-22.5 to 25)
4 Lung cancer	4 Chronic kidney disease	312 (195 to 445)	387 (264 to 529)	42.5 (5.9 to 84.2)
5 Stroke	5 Lung cancer	60.9 (15.5 to 118)	90 (46.9 to 141)	-19.6 (-36 to -2.37)
6 COPD	6 Colorectal cancer	119 (44.7 to 218)	158 (77.4 to 245)	-8.17 (-32.9 to 17)
7 Colorectal cancer	7 Stroke	42.7 (4.25 to 88)	68.7 (27 to 113)	-45.8 (-57.4 to -29.5)
8 Chronic kidney disease	8 Hypertensive heart disease	219 (135 to 309)	277 (182 to 392)	14.1 (-15.2 to 52.3)
9 Pancreatic cancer	9 Prostate cancer	178 (97.3 to 273)	229 (146 to 325)	1.58 (-16.8 to 20.8)
10 Liver cancer	10 Pancreatic cancer	163 (83.1 to 266)	210 (128 to 310)	23.9 (-3.57 to 55.5)
11 Prostate cancer	11 Lower respiratory infect	180 (104 to 261)	231 (155 to 320)	-3.23 (-20.6 to 17.8)
12 Lower respiratory infect	12 Liver cancer	142 (86.8 to 205)	186 (131 to 252)	23.6 (2.37 to 47.9)
13 Diabetes	13 Diabetes	100 (38.2 to 176)	137 (63.8 to 223)	-25.4 (-45.3 to 0.81)
14 Hypertensive heart disease	14 Falls	151 (81.3 to 220)	196 (126 to 267)	-10 (-20.1 to 1.38)
15 Breast cancer	15 Breast cancer	76.7 (26.4 to 141)	109 (53 to 170)	-6.63 (-26.9 to 13.2)
16 Cirrhosis liver	16 Atrial fibrillation	251 (179 to 338)	315 (245 to 398)	18.6 (9.58 to 29)
17 Stomach cancer	17 Urinary diseases	342 (213 to 485)	422 (298 to 595)	50.7 (18.6 to 90.9)
18 Falls	18 Cardiomyopathy	108 (57.7 to 173)	146 (102 to 204)	-21.3 (-29.3 to -13.2)
19 Cardiomyopathy	19 Parkinson's disease	193 (136 to 257)	246 (198 to 305)	3.67 (-5.32 to 13.4)
20 Brain cancer	20 Brain cancer	104 (69.5 to 148)	142 (113 to 176)	41.7 (31 to 51.7)
23 Atrial fibrillation	21 Stomach cancer			
27 Parkinson's disease	26 Cirrhosis liver			
30 Urinary diseases	126 COVID-19			

### Austria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-1.67 (-21.8 to 21)	-9.94 (-28.9 to 8.84)	<b>-51.1 (-62.6 to -38.1)</b>
2 Alzheimer's disease	2 Alzheimer's disease	<b>93 (67.7 to 117)</b>	<b>76.6 (63 to 91.9)</b>	<b>-7.99 (-12.2 to -3.78)</b>
3 Stroke	3 Chronic kidney disease	<b>190 (135 to 244)</b>	<b>165 (116 to 215)</b>	<b>36.6 (10.1 to 64.5)</b>
4 COVID-19	4 Hypertensive heart disease	<b>106 (69.8 to 148)</b>	<b>89.1 (58 to 125)</b>	-0.131 (-18.8 to 23.1)
5 Lung cancer	5 COPD	<b>60.8 (32.9 to 88.6)</b>	<b>47.3 (24.5 to 69.6)</b>	-11.8 (-25.4 to 3.64)
6 Chronic kidney disease	6 Lung cancer	<b>22.2 (0.686 to 44.7)</b>	11.8 (-4.82 to 32)	<b>-19.1 (-30.3 to -5.69)</b>
7 COPD	7 Stroke	-6.22 (-19.6 to 8.66)	<b>-14.1 (-25.5 to -3.11)</b>	<b>-51.3 (-58 to -44.3)</b>
8 Hypertensive heart disease	8 Atrial fibrillation	<b>129 (95.4 to 164)</b>	<b>109 (85.8 to 134)</b>	8.41 (-0.5 to 18.3)
9 Colorectal cancer	9 Colorectal cancer	<b>58.2 (22.4 to 102)</b>	<b>44.7 (16 to 77.3)</b>	-12.5 (-27.8 to 4.86)
10 Diabetes	10 Pancreatic cancer	<b>89.5 (56 to 136)</b>	<b>73.4 (44.2 to 110)</b>	15.8 (-3.3 to 38.6)
11 Pancreatic cancer	11 Falls	<b>77.6 (48.7 to 109)</b>	<b>62.6 (42.2 to 86.8)</b>	<b>-11.1 (-19.6 to -1.94)</b>
12 Falls	12 Nonrheum valv diseases	<b>148 (112 to 195)</b>	<b>127 (94.9 to 157)</b>	<b>16.2 (3.74 to 29.2)</b>
13 Breast cancer	13 Prostate cancer	<b>93.5 (57 to 140)</b>	<b>77.2 (46.9 to 114)</b>	1.06 (-12.4 to 15)
14 Atrial fibrillation	14 Diabetes	<b>40.6 (9.69 to 78.2)</b>	<b>28.8 (2.43 to 62)</b>	<b>-29.1 (-45.6 to -13.8)</b>
15 Cardiomyopathy	15 Lower respiratory infect	<b>66.1 (45 to 97.5)</b>	<b>52.1 (35 to 77.2)</b>	<b>-17.5 (-28 to -5.6)</b>
16 Cirrhosis liver	16 Breast cancer	<b>39.7 (16.4 to 67.6)</b>	<b>27.8 (7.5 to 53.5)</b>	<b>-17.7 (-28.4 to -4.56)</b>
17 Prostate cancer	17 Cardiomyopathy	<b>44 (20.6 to 73.2)</b>	<b>31.8 (14 to 54.3)</b>	<b>-26.6 (-33.3 to -18.2)</b>
18 Lower respiratory infect	18 Parkinson's disease	<b>86.3 (60.7 to 111)</b>	<b>70.5 (52.4 to 86.2)</b>	-2.3 (-11.1 to 6.16)
19 Nonrheum valv diseases	19 Cirrhosis liver	<b>12.3 (1.01 to 24.8)</b>	2.81 (-4.7 to 10.9)	<b>-18 (-24.6 to -11.9)</b>
20 Self-harm	20 Liver cancer	<b>91 (66.1 to 123)</b>	<b>74.9 (52 to 101)</b>	<b>24.5 (9.56 to 39.5)</b>
21 Parkinson's disease	23 Self-harm			
22 Liver cancer	129 COVID-19			

### Belgium, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	75.9 (54.2 to 96.7)	56.8 (42 to 69.2)	-7.24 (-11.7 to -3)
2 Alzheimer's disease	2 Lower respiratory infect	57 (34.3 to 83.1)	40 (21 to 63.9)	-14.9 (-26.5 to -0.945)
3 Stroke	3 Ischemic heart disease	-16.8 (-33.7 to 5.8)	-25.8 (-40.6 to -7.13)	-53.7 (-63.8 to -40.9)
4 Lung cancer	4 Chronic kidney disease	187 (131 to 250)	156 (115 to 206)	49.4 (22 to 81.9)
5 Lower respiratory infect	5 COPD	40.6 (18.4 to 66.4)	25.3 (7.02 to 43.9)	-16.6 (-28.4 to -2.43)
6 COPD	6 Lung cancer	15.2 (-4.97 to 38.2)	2.66 (-13.1 to 21.7)	-19.4 (-29.6 to -6.14)
7 COVID-19	7 Stroke	-7.03 (-21.7 to 8.08)	-17.1 (-27.6 to -6.72)	-45.6 (-52.9 to -37.9)
8 Colorectal cancer	8 Colorectal cancer	54.2 (20.5 to 93.3)	37.4 (8.36 to 66.6)	-6.19 (-23.9 to 13.7)
9 Chronic kidney disease	9 Nonrheum valv diseases	141 (106 to 182)	115 (88.1 to 145)	24.4 (12.5 to 39.6)
10 Falls	10 Falls	57.9 (35.3 to 83.2)	40.8 (22.5 to 60.4)	-11.8 (-20 to -3.44)
11 Breast cancer	11 Pancreatic cancer	84.3 (47.7 to 127)	64.3 (34.6 to 96.2)	23 (1.75 to 43)
12 Pancreatic cancer	12 Prostate cancer	80.9 (49.1 to 119)	61.2 (35.1 to 94.9)	4.48 (-7.73 to 19)
13 Prostate cancer	13 Breast cancer	35.8 (11.8 to 65.5)	21.1 (1.43 to 44.7)	-10.2 (-22.6 to 4.45)
14 Nonrheum valv diseases	14 Urinary diseases	166 (121 to 225)	137 (99.8 to 181)	39.5 (18.9 to 65.7)
15 Self-harm	15 Atrial fibrillation	136 (102 to 174)	110 (85.8 to 136)	23.5 (13.6 to 34.5)
16 Cirrhosis liver	16 Diarrheal diseases	206 (78 to 395)	173 (58.2 to 341)	56.8 (-10.3 to 158)
17 Diabetes	17 Parkinson's disease	69.8 (49 to 89.3)	51.4 (36.8 to 66.3)	0.658 (-7.58 to 9.79)
18 Atrial fibrillation	18 Self-harm	-4.81 (-17.5 to 7.89)	-15.1 (-23.1 to -5.54)	-21.4 (-30 to -12.7)
19 Parkinson's disease	19 Endocarditis	141 (86.7 to 214)	115 (62.1 to 176)	36.4 (4.7 to 73.7)
20 Urinary diseases	20 Diabetes	17.4 (-9.86 to 48.2)	4.67 (-17.4 to 27.3)	-34.2 (-48.2 to -17.8)
24 Diarrheal diseases	23 Cirrhosis liver			
32 Endocarditis	128 COVID-19			

### Cyprus, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	13.4 (-20 to 49.3)	2.68 (-24 to 37.1)	<b>-53.3 (-67.5 to -35)</b>
2 Stroke	2 Chronic kidney disease	<b>251 (166 to 352)</b>	<b>218 (143 to 298)</b>	28.6 (-2.05 to 69.4)
3 Diabetes	3 COPD	<b>147 (87 to 217)</b>	<b>124 (81.5 to 179)</b>	-5.01 (-25.9 to 21.1)
4 COVID-19	4 Alzheimer's disease	<b>145 (104 to 191)</b>	<b>122 (93.2 to 151)</b>	<b>-7.93 (-12.1 to -3.98)</b>
5 COPD	5 Stroke	<b>27 (1.88 to 53.7)</b>	15 (-4.85 to 37.9)	<b>-52.3 (-61.2 to -40.5)</b>
6 Alzheimer's disease	6 Diabetes	<b>59 (14.1 to 114)</b>	<b>44 (5.61 to 90.2)</b>	<b>-35.1 (-53.2 to -10.8)</b>
7 Lung cancer	7 Hypertensive heart disease	<b>201 (126 to 271)</b>	<b>173 (117 to 236)</b>	-0.798 (-25.2 to 35.4)
8 Chronic kidney disease	8 Lung cancer	<b>51.4 (13.5 to 91.3)</b>	<b>37 (4.79 to 70.6)</b>	<b>-20.4 (-36.8 to -4.14)</b>
9 Colorectal cancer	9 Colorectal cancer	<b>107 (42.1 to 188)</b>	<b>86.9 (33.8 to 148)</b>	-6.37 (-28.3 to 17.9)
10 Hypertensive heart disease	10 Nonrheum valv diseases	<b>234 (167 to 309)</b>	<b>202 (152 to 260)</b>	<b>20.9 (6.84 to 37.2)</b>
11 Breast cancer	11 Lower respiratory infect	<b>148 (101 to 207)</b>	<b>125 (87.4 to 172)</b>	-14.3 (-29.2 to 3.78)
12 Lower respiratory infect	12 Urinary diseases	<b>289 (199 to 375)</b>	<b>252 (179 to 315)</b>	<b>37.8 (8.68 to 66.1)</b>
13 Prostate cancer	13 Prostate cancer	<b>115 (63.1 to 178)</b>	<b>94.4 (51.3 to 149)</b>	-2.66 (-18.7 to 17)
14 Nonrheum valv diseases	14 Atrial fibrillation	<b>230 (157 to 311)</b>	<b>199 (147 to 270)</b>	<b>10.6 (0.185 to 24.2)</b>
15 Falls	15 Breast cancer	<b>79.5 (33.7 to 129)</b>	<b>62.5 (26.8 to 102)</b>	-12.9 (-29.3 to 4.07)
16 Pancreatic cancer	16 Pancreatic cancer	<b>158 (85.9 to 243)</b>	<b>133 (73.2 to 200)</b>	26.5 (-1.69 to 54.4)
17 Atrial fibrillation	17 Falls	<b>128 (82.1 to 184)</b>	<b>106 (68.8 to 150)</b>	<b>-13.2 (-22.7 to -2.11)</b>
18 Urinary diseases	18 Parkinson's disease	<b>118 (82.2 to 160)</b>	<b>97.5 (70.2 to 127)</b>	-6.59 (-14.9 to 3.79)
19 Stomach cancer	19 Interstitial lung disease	<b>110 (77.3 to 150)</b>	<b>90.5 (60.9 to 126)</b>	-4.63 (-13.7 to 6.74)
20 Cirrhosis liver	20 Leukemia	<b>90.4 (36.9 to 143)</b>	<b>72.4 (34.3 to 121)</b>	-7.46 (-24.5 to 11.1)
21 Leukemia	25 Stomach cancer			
22 Parkinson's disease	26 Cirrhosis liver			
23 Interstitial lung disease	129 COVID-19			

### Denmark, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 COPD	42.2 (20.4 to 70.6)	28.3 (9.51 to 50.6)	-11 (-24.2 to 3.98)
2 COVID-19	2 Alzheimer's disease	74.3 (54 to 96)	57.2 (45.3 to 70.6)	-4.47 (-8.77 to 0.836)
3 COPD	3 Lung cancer	18.8 (1.27 to 37.5)	7.15 (-6.16 to 21.6)	-13.6 (-22.7 to -3.44)
4 Lung cancer	4 Chronic kidney disease	150 (109 to 199)	126 (93.8 to 167)	41.5 (19.6 to 68.4)
5 Stroke	5 Lower respiratory infect	61.3 (35.9 to 88.8)	45.5 (27.8 to 66.2)	-11 (-21.6 to 0.4)
6 Alzheimer's disease	6 Ischemic heart disease	-26.8 (-39.2 to -9.96)	-33.9 (-45.1 to -19.4)	-57 (-65 to -47)
7 Lower respiratory infect	7 Colorectal cancer	37.7 (9.47 to 71.7)	24.2 (1.81 to 49.8)	-9.5 (-24.2 to 5.84)
8 Colorectal cancer	8 Stroke	-19.6 (-29.3 to -8.26)	-27.4 (-35.6 to -20)	-51 (-56.2 to -44.7)
9 Prostate cancer	9 Prostate cancer	68.6 (39.1 to 98.8)	52.1 (28.2 to 79.4)	4.96 (-6.47 to 18.9)
10 Chronic kidney disease	10 Pancreatic cancer	66.5 (38.6 to 101)	50.1 (25.6 to 72.9)	20.3 (3.21 to 37)
11 Diabetes	11 Atrial fibrillation	108 (82.1 to 135)	87.8 (69.2 to 106)	14.2 (4.76 to 23)
12 Breast cancer	12 Urinary diseases	179 (131 to 243)	151 (113 to 197)	50.6 (26.7 to 76.2)
13 Pancreatic cancer	13 Breast cancer	34.3 (12.1 to 62)	21.1 (3.49 to 42.1)	-10.5 (-20.6 to 2.09)
14 Falls	14 Diabetes	19.7 (-1.98 to 48.9)	7.91 (-9.81 to 29.5)	-28.9 (-40.8 to -14.8)
15 Atrial fibrillation	15 Falls	63.2 (40 to 90.7)	47.2 (29.4 to 67.7)	-6.25 (-14.7 to 3.23)
16 Cirrhosis liver	16 Nonrheum valv diseases	123 (90.7 to 161)	101 (77.2 to 128)	22.9 (11.3 to 39.4)
17 Nonrheum valv diseases	17 Diarrheal diseases	234 (118 to 427)	201 (94.1 to 368)	81.1 (13.7 to 187)
18 Parkinson's disease	18 Parkinson's disease	67 (45.3 to 90.4)	50.6 (34.3 to 67)	4.42 (-6.09 to 14.2)
19 Urinary diseases	19 Brain cancer	71 (54 to 90.3)	54.3 (44.7 to 64.2)	33.4 (26.4 to 40.3)
20 Self-harm	20 Leukemia	33.4 (15.6 to 56.1)	20.3 (7.83 to 34.8)	-10.8 (-18.3 to -2.69)
21 Leukemia	24 Cirrhosis liver			
27 Brain cancer	26 Self-harm			
31 Diarrheal diseases	128 COVID-19			

### Finland, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-20.3 (-37.3 to -1.79)	-18.3 (-35.9 to -0.332)	-54.7 (-65.4 to -42.6)
2 COVID-19	2 Alzheimer's disease	92.8 (66.4 to 118)	97.5 (79.4 to 115)	3.79 (-1.38 to 8.38)
3 Stroke	3 Hypertensive heart disease	88.1 (50.4 to 134)	92.7 (56.7 to 133)	7.62 (-12 to 32.1)
4 Alzheimer's disease	4 Stroke	-19.8 (-30.6 to -5.71)	-17.9 (-26.9 to -7.25)	-49.9 (-56.1 to -42)
5 Lung cancer	5 Lung cancer	14.6 (-7.19 to 36.7)	17.3 (-1.86 to 38.8)	-8.91 (-22.4 to 5.05)
6 Hypertensive heart disease	6 Pancreatic cancer	75.1 (34.8 to 115)	79.3 (45.2 to 117)	32.9 (11.5 to 54.4)
7 Colorectal cancer	7 Falls	59.6 (33 to 92.6)	63.5 (38.3 to 87.7)	-6.04 (-16 to 4.12)
8 Pancreatic cancer	8 Nonrheum valv diseases	127 (90.6 to 169)	133 (103 to 165)	24.3 (11.5 to 38.5)
9 COPD	9 Colorectal cancer	42.2 (11.9 to 77.4)	45.6 (18.2 to 79.3)	-1.35 (-18.3 to 18.1)
10 Falls	10 COPD	41.7 (18.4 to 68)	45.2 (25.7 to 68)	-4.86 (-17.2 to 9.92)
11 Prostate cancer	11 Chronic kidney disease	149 (99.4 to 211)	156 (105 to 211)	34.3 (7.92 to 63.9)
12 Breast cancer	12 Prostate cancer	70.6 (35.8 to 111)	74.7 (43.4 to 111)	11.1 (-2.45 to 26.3)
13 Cirrhosis liver	13 Atrial fibrillation	113 (78.1 to 146)	118 (92.5 to 144)	17.3 (8.94 to 27.3)
14 Nonrheum valv diseases	14 Breast cancer	31 (5 to 62.9)	34.1 (13.5 to 56.9)	-6.7 (-19.1 to 7.82)
15 Self-harm	15 Lower respiratory infect	66.5 (39.1 to 102)	70.5 (46 to 96.6)	-8.04 (-19.5 to 4.26)
16 Chronic kidney disease	16 Parkinson's disease	52.5 (29.1 to 74.1)	56.1 (40.7 to 71)	3.92 (-3.99 to 12.7)
17 Parkinson's disease	17 Cirrhosis liver	-12.9 (-23.8 to -0.914)	-10.8 (-17.4 to -3.47)	-18.6 (-25.5 to -11.4)
18 Lower respiratory infect	18 Liver cancer	48.9 (27.2 to 74.9)	52.5 (35.8 to 72)	20.1 (7.31 to 35.3)
19 Atrial fibrillation	19 Urinary diseases	176 (125 to 233)	183 (135 to 241)	46.1 (28.6 to 68.9)
20 Diabetes	20 Self-harm	-13.1 (-23.9 to -3.24)	-11 (-17.5 to -3.24)	-21.6 (-29.6 to -13.5)
22 Liver cancer	25 Diabetes			
39 Urinary diseases	128 COVID-19			



### France, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	75.2 (53 to 96.9)	80.4 (67.4 to 94.4)	-4.67 (-9.27 to -0.597)
2 Alzheimer's disease	2 Ischemic heart disease	-11.4 (-31 to 8.53)	-8.77 (-27.1 to 11.7)	-51.4 (-61.3 to -40.1)
3 Stroke	3 Lung cancer	25.3 (3.85 to 47.3)	29 (11.3 to 49.1)	-3.62 (-16.3 to 9.29)
4 COVID-19	4 Chronic kidney disease	175 (125 to 246)	183 (136 to 239)	45.2 (22.4 to 75.4)
5 Lung cancer	5 Lower respiratory infect	69.9 (40.9 to 98.5)	75 (49.5 to 99.7)	-10.1 (-22.7 to 2.46)
6 Colorectal cancer	6 Stroke	-8.79 (-21.8 to 5.5)	-6.1 (-16.4 to 6.1)	-46.9 (-52.7 to -39.7)
7 Lower respiratory infect	7 Colorectal cancer	52.2 (20.5 to 90.4)	56.7 (29.3 to 95.7)	-5.99 (-20.4 to 11.8)
8 Falls	8 Falls	58.9 (32 to 89.9)	63.6 (41.8 to 88.5)	-9.56 (-18.6 to -0.122)
9 COPD	9 Pancreatic cancer	87.2 (52.2 to 127)	92.7 (62 to 127)	29.7 (9.8 to 50.1)
10 Breast cancer	10 COPD	63 (37.1 to 99.3)	67.8 (41 to 96.5)	-7.06 (-20.3 to 6.72)
11 Chronic kidney disease	11 Nonrheum valv diseases	144 (103 to 189)	151 (114 to 192)	27.1 (11.1 to 44.3)
12 Pancreatic cancer	12 Prostate cancer	76.5 (42.5 to 111)	81.8 (51.8 to 116)	3.42 (-9.47 to 16.8)
13 Prostate cancer	13 Atrial fibrillation	115 (85.7 to 142)	121 (97.9 to 145)	15.4 (4.05 to 25.5)
14 Diabetes	14 Breast cancer	30.4 (6.98 to 55.7)	34.3 (14.4 to 58.9)	-12.1 (-22.8 to -0.381)
15 Atrial fibrillation	15 Diabetes	44.2 (14.7 to 83.8)	48.4 (21.8 to 89)	-20.6 (-33.5 to -0.159)
16 Nonrheum valv diseases	16 Hypertensive heart disease	94.7 (55.7 to 136)	100 (63.1 to 142)	4.64 (-14.2 to 25.4)
17 Hypertensive heart disease	17 Liver cancer	62.4 (39.9 to 85.5)	67.2 (47.7 to 87.6)	23 (8.52 to 36.5)
18 Self-harm	18 Parkinson's disease	60.8 (41.8 to 84)	65.6 (51.1 to 81.7)	-2.85 (-9.85 to 4.31)
19 Cirrhosis liver	19 Other cardiovascular	48.7 (29.9 to 69.6)	53.1 (37.5 to 69.9)	-17.3 (-25.2 to -8.73)
20 Liver cancer	20 Protein-energy malnutrition	140 (46 to 246)	148 (51.9 to 268)	16.7 (-28.2 to 71.2)
21 Other cardiovascular	28 Cirrhosis liver			
22 Parkinson's disease	31 Self-harm			
31 Protein-energy malnutrition	130 COVID-19			

### Germany, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	61.9 (40.1 to 82.5)	61 (49.3 to 72.6)	-0.675 (-4.72 to 4.44)
2 Alzheimer's disease	2 Ischemic heart disease	-24.5 (-39.8 to -8.32)	-24.9 (-39.7 to -12)	-51.2 (-60.7 to -41)
3 Stroke	3 Chronic kidney disease	139 (97 to 186)	138 (96.6 to 182)	46 (21.3 to 73.9)
4 Lung cancer	4 Hypertensive heart disease	78.5 (47.7 to 115)	77.5 (48.9 to 106)	9.89 (-9.75 to 29.8)
5 COVID-19	5 Lung cancer	4.97 (-10.6 to 22.7)	4.41 (-7.91 to 19.1)	-14.4 (-23.6 to -3.48)
6 Chronic kidney disease	6 COPD	31.4 (12.4 to 51.8)	30.7 (14.9 to 46.6)	-7.26 (-18.5 to 4.73)
7 COPD	7 Stroke	-25.8 (-35.6 to -13.9)	-26.2 (-34.3 to -17.9)	-48.5 (-54.5 to -42.5)
8 Hypertensive heart disease	8 Atrial fibrillation	95.6 (67.5 to 124)	94.5 (75.3 to 119)	19.5 (9.81 to 29.8)
9 Colorectal cancer	9 Colorectal cancer	32.4 (8.52 to 62)	31.7 (11.2 to 55.3)	-5.92 (-18.2 to 9.74)
10 Lower respiratory infect	10 Nonrheum valv diseases	110 (77 to 148)	109 (83.7 to 140)	27.4 (13.1 to 44)
11 Falls	11 Pancreatic cancer	61.6 (34.7 to 93.4)	60.8 (38.9 to 86.7)	24.7 (9.27 to 42.6)
12 Pancreatic cancer	12 Falls	49.4 (24 to 75.8)	48.6 (27.9 to 71.7)	-5.31 (-14.7 to 5.32)
13 Diabetes	13 Lower respiratory infect	39.8 (15.4 to 65)	39 (21.4 to 58)	-9.85 (-20.1 to 1.27)
14 Atrial fibrillation	14 Prostate cancer	54.4 (28.1 to 83.9)	53.6 (31.4 to 78.8)	6.85 (-5.23 to 19.7)
15 Breast cancer	15 Breast cancer	20.8 (0.938 to 45.9)	20.1 (4.51 to 44.3)	-9.9 (-19 to 2.99)
16 Prostate cancer	16 Diabetes	8.86 (-13 to 36.3)	8.2 (-13.1 to 30.9)	-30.1 (-42.6 to -16.6)
17 Nonrheum valv diseases	17 Parkinson's disease	50.5 (30.7 to 71.2)	49.7 (37.2 to 64.1)	4.72 (-2.76 to 13.2)
18 Cirrhosis liver	18 Urinary diseases	139 (95.3 to 182)	138 (102 to 178)	49.9 (28.4 to 71.5)
19 Parkinson's disease	19 Cirrhosis liver	1.08 (-11 to 14.2)	0.533 (-6.2 to 7.41)	-8.71 (-14.8 to -1.58)
20 Stomach cancer	20 Liver cancer	67.9 (46.7 to 89.9)	67 (49.9 to 83.8)	37.3 (22.2 to 49.5)
24 Liver cancer	25 Stomach cancer			
27 Urinary diseases	128 COVID-19			

### Greece, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-33.7 (-50.7 to -16.3)	-15.9 (-35 to 0.472)	-50.5 (-63.7 to -37.9)
2 Stroke	2 Alzheimer's disease	42.9 (20.2 to 68.7)	81 (62.2 to 101)	2.9 (-1.69 to 8.47)
3 COVID-19	3 Chronic kidney disease	73.4 (37.7 to 116)	120 (78.3 to 164)	25.1 (0.929 to 50.7)
4 Alzheimer's disease	4 Stroke	-28.7 (-40.8 to -14.8)	-9.62 (-21.6 to 3.2)	-46.1 (-53.5 to -39.3)
5 Lung cancer	5 Lung cancer	4.82 (-16 to 29.2)	32.8 (12.6 to 57.5)	-11.7 (-24.7 to 2.82)
6 Lower respiratory infect	6 Lower respiratory infect	21 (-1.01 to 44.5)	53.4 (34.5 to 74.1)	-13.9 (-24.9 to -0.905)
7 Chronic kidney disease	7 COPD	26.3 (1.09 to 51)	60.1 (33.5 to 89.7)	-8.94 (-26.1 to 6.8)
8 COPD	8 Colorectal cancer	34.8 (3.05 to 70.5)	70.7 (35.8 to 114)	4.1 (-15.5 to 27.2)
9 Colorectal cancer	9 Hypertensive heart disease	48.5 (16.9 to 83.8)	88.4 (50.4 to 124)	7.52 (-14.8 to 30.6)
10 Hypertensive heart disease	10 Pancreatic cancer	73.2 (35.7 to 116)	119 (79.1 to 172)	41.2 (19.5 to 69)
11 Breast cancer	11 Breast cancer	26.4 (-1.34 to 58.6)	60.1 (33.2 to 92.7)	-0.847 (-14.7 to 15.3)
12 Pancreatic cancer	12 Prostate cancer	33 (6.63 to 65.8)	68.5 (41.5 to 102)	2.13 (-10.3 to 16.4)
13 Prostate cancer	13 Nonrheum valv diseases	82.1 (47 to 122)	131 (97.2 to 170)	28.2 (14.4 to 44.9)
14 Stomach cancer	14 Urinary diseases	123 (69.9 to 182)	182 (126 to 246)	55.6 (27.3 to 88.7)
15 Parkinson's disease	15 Atrial fibrillation	57.4 (29.5 to 88.1)	99.5 (74.9 to 128)	11.9 (3.69 to 22.1)
16 Bladder cancer	16 Parkinson's disease	32.2 (9.1 to 56.6)	67.5 (49.4 to 87.2)	2.12 (-6.17 to 11.8)
17 Diabetes	17 Brain cancer	60 (34.2 to 84.7)	103 (85 to 117)	44.7 (37.6 to 50.3)
18 Leukemia	18 Bladder cancer	20.4 (-0.462 to 43.1)	52.5 (34.1 to 74.6)	-6.81 (-15.1 to 2.69)
19 Atrial fibrillation	19 Leukemia	21.1 (-0.452 to 45.9)	53.3 (34.7 to 75.1)	-2.7 (-11.7 to 7.42)
20 Nonrheum valv diseases	20 Diabetes	4.81 (-21.1 to 35.6)	32.9 (4.58 to 66)	-22.7 (-39.2 to -3.77)
21 Brain cancer	22 Stomach cancer			
24 Urinary diseases	130 COVID-19			

### Iceland, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	15.5 (-13.1 to 48.5)	-16.9 (-35.3 to 6.72)	-53.7 (-64.2 to -38.7)
2 Alzheimer's disease	2 Alzheimer's disease	145 (112 to 177)	76.5 (57.3 to 95.7)	-8.34 (-12.8 to -3.57)
3 Lung cancer	3 Lower respiratory infect	119 (83.9 to 165)	57.6 (34.7 to 87.6)	-16 (-28 to -2.59)
4 Stroke	4 COPD	109 (70.8 to 157)	50.7 (23.1 to 82.5)	-12.6 (-28.1 to 7.55)
5 COVID-19	5 Lung cancer	56.1 (27.7 to 83.1)	12.3 (-7.35 to 33.6)	-18.1 (-30.5 to -5.43)
6 COPD	6 Stroke	22.6 (3.3 to 50.1)	-11.8 (-24 to 1.36)	-49.5 (-56.4 to -41.5)
7 Lower respiratory infect	7 Prostate cancer	137 (90.3 to 191)	70.7 (38.6 to 115)	0.468 (-12.9 to 15.7)
8 Colorectal cancer	8 Atrial fibrillation	206 (160 to 253)	120 (92.8 to 150)	15.2 (6.18 to 26)
9 Prostate cancer	9 Chronic kidney disease	239 (173 to 312)	144 (100 to 200)	30.7 (8.07 to 59)
10 Pancreatic cancer	10 Colorectal cancer	89.8 (49.4 to 137)	36.6 (8.6 to 72)	-12 (-29 to 6.94)
11 Falls	11 Pancreatic cancer	131 (81.9 to 180)	66.1 (30.1 to 102)	15.3 (-6.59 to 37.2)
12 Breast cancer	12 Falls	128 (91.1 to 175)	64 (43.2 to 96.7)	-9.19 (-19.1 to 2.34)
13 Atrial fibrillation	13 Nonrheum valv diseases	205 (162 to 253)	119 (89.4 to 151)	17.4 (4.48 to 31.1)
14 Self-harm	14 Parkinson's disease	129 (100 to 161)	64.5 (46.5 to 85.1)	-2.98 (-11.1 to 6.52)
15 Parkinson's disease	15 Breast cancer	64.8 (34.2 to 95.6)	18.6 (-2.35 to 40.9)	-16.7 (-28.7 to -3.52)
16 Chronic kidney disease	16 Urinary diseases	249 (191 to 323)	151 (113 to 193)	32.4 (14 to 53.6)
17 Nonrheum valv diseases	17 Hypertensive heart disease	167 (112 to 234)	92.4 (54.6 to 138)	5.23 (-16.2 to 28)
18 Brain cancer	18 Brain cancer	115 (93.9 to 139)	54.9 (44.9 to 66.8)	27.8 (22.7 to 34.1)
19 Kidney cancer	19 Self-harm	29.5 (11.6 to 50)	-6.87 (-16.8 to 3.89)	-16.8 (-26.9 to -5.16)
20 Diabetes	20 Liver cancer	127 (90.1 to 167)	63.1 (40 to 87.7)	24.3 (10.3 to 40.9)
22 Liver cancer	21 Kidney cancer			
23 Hypertensive heart disease	23 Diabetes			
29 Urinary diseases	127 COVID-19			

### Ireland, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	182 (149 to 221)	124 (102 to 143)	-8.27 (-12.3 to -3.78)
2 Alzheimer's disease	2 Ischemic heart disease	18.7 (-3.76 to 41.6)	-5.99 (-21.5 to 12.3)	-57.1 (-63.1 to -48.5)
3 COPD	3 COPD	118 (84.8 to 161)	72.8 (46.9 to 102)	-18.4 (-29.5 to -7.38)
4 Lung cancer	4 Lower respiratory infect	154 (116 to 197)	101 (75.8 to 135)	-19.5 (-29.1 to -8.57)
5 Stroke	5 Lung cancer	54.1 (30.2 to 81.5)	22.1 (6.15 to 40.7)	-23.4 (-31.5 to -15.4)
6 COVID-19	6 Chronic kidney disease	274 (215 to 339)	197 (152 to 249)	28.5 (9.2 to 52.3)
7 Lower respiratory infect	7 Colorectal cancer	106 (68 to 143)	63.4 (34 to 88.9)	-11 (-25 to 0.697)
8 Colorectal cancer	8 Stroke	26.2 (8.93 to 45.1)	-0.0177 (-11.8 to 12.9)	-54.1 (-58.6 to -48.5)
9 Chronic kidney disease	9 Prostate cancer	153 (106 to 197)	100 (69.5 to 132)	-1.48 (-13.3 to 9.84)
10 Breast cancer	10 Pancreatic cancer	151 (111 to 198)	98.5 (65.9 to 129)	17.5 (1.35 to 31.9)
11 Prostate cancer	11 Atrial fibrillation	238 (194 to 294)	168 (138 to 207)	9.7 (-0.14 to 19.3)
12 Pancreatic cancer	12 Breast cancer	77 (48.5 to 106)	40.2 (20.7 to 59.6)	-13 (-23.1 to -3.22)
13 Atrial fibrillation	13 Urinary diseases	328 (254 to 410)	239 (185 to 302)	42.2 (22 to 64.1)
14 Esophageal cancer	14 Parkinson's disease	146 (117 to 183)	94.8 (76 to 117)	-2.85 (-10.6 to 7.91)
15 Diabetes	15 Interstitial lung disease	127 (97 to 155)	80.1 (62.5 to 98.2)	-2.66 (-10.7 to 4.85)
16 Self-harm	16 Nonrheum valv diseases	239 (187 to 301)	168 (134 to 211)	15.7 (4.32 to 29.4)
17 Interstitial lung disease	17 Diabetes	103 (61.3 to 144)	61.2 (33.4 to 92.1)	-25.9 (-37.5 to -11)
18 Parkinson's disease	18 Falls	141 (110 to 174)	90.7 (66 to 113)	-11.8 (-20.5 to -3.55)
19 Stomach cancer	19 Brain cancer	116 (89.5 to 139)	71.1 (59.9 to 82.2)	26.4 (20.5 to 33.2)
20 Falls	20 Cardiomyopathy	95.6 (68.5 to 123)	55 (35.4 to 78.3)	-27.3 (-33.3 to -19.7)
21 Cardiomyopathy	21 Esophageal cancer			
22 Brain cancer	29 Stomach cancer			
26 Urinary diseases	32 Self-harm			
28 Nonrheum valv diseases	128 COVID-19			

### Israel, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	230 (164 to 307)	142 (99.1 to 187)	31.7 (4.82 to 60.7)
2 Alzheimer's disease	2 Alzheimer's disease	136 (101 to 173)	73 (58.1 to 88.5)	-9.67 (-13.7 to -5.57)
3 COVID-19	3 Ischemic heart disease	17.1 (-17.2 to 51.1)	-14.2 (-35.6 to 9.57)	-51.8 (-64.4 to -37.2)
4 Chronic kidney disease	4 Diabetes	79.5 (37.5 to 132)	31.6 (5.08 to 58.6)	-25.4 (-41.5 to -7.6)
5 Stroke	5 Colorectal cancer	118 (59.8 to 191)	59.9 (26.2 to 101)	-1.26 (-19.7 to 22.4)
6 Diabetes	6 Lung cancer	59.4 (27.5 to 98.7)	16.8 (-2.25 to 42)	-19.3 (-31.1 to -3.41)
7 Lung cancer	7 Lower respiratory infect	103 (64 to 146)	48.7 (28.5 to 69.2)	-19 (-29.9 to -5.39)
8 Lower respiratory infect	8 Stroke	22.7 (-0.995 to 49.7)	-10.1 (-21.2 to 2.77)	-47.3 (-54.8 to -38.5)
9 Colorectal cancer	9 COPD	95 (52.2 to 136)	42.9 (18.8 to 67.1)	-16.7 (-31.1 to -1.87)
10 COPD	10 Pancreatic cancer	150 (91.1 to 216)	83 (47 to 122)	23.1 (1.66 to 47.1)
11 Breast cancer	11 Urinary diseases	245 (175 to 327)	153 (114 to 204)	34 (12.9 to 63.2)
12 Pancreatic cancer	12 Breast cancer	83 (43.9 to 125)	34 (11.5 to 59)	-11.3 (-24 to 2.83)
13 Urinary diseases	13 Atrial fibrillation	182 (134 to 234)	107 (83 to 132)	8.94 (-0.517 to 18.5)
14 Atrial fibrillation	14 Nonrheum valv diseases	190 (138 to 245)	113 (88 to 145)	13.4 (1.84 to 27.1)
15 Lymphoma	15 Endo/metab/blood/immune	144 (95.6 to 197)	79 (54.5 to 113)	11.7 (-1.49 to 27.5)
16 Nonrheum valv diseases	16 Prostate cancer	128 (76.9 to 196)	66.7 (36.6 to 107)	-1.22 (-14.4 to 13.3)
17 Leukemia	17 Parkinson's disease	118 (85.8 to 155)	59.5 (45.8 to 74.9)	-4.58 (-12.1 to 4.27)
18 Stomach cancer	18 Lymphoma	85.7 (47.4 to 127)	36.1 (14.7 to 59)	-9.65 (-21.8 to 4.25)
19 Prostate cancer	19 Diarrheal diseases	272 (93.1 to 514)	172 (44.8 to 361)	44.4 (-24 to 144)
20 Parkinson's disease	20 Leukemia	83.7 (44.4 to 131)	34.6 (10.9 to 63)	-11.4 (-23.7 to 4.31)
21 Endo/metab/blood/immune	26 Stomach cancer			
33 Diarrheal diseases	129 COVID-19			

### Italy, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	<b>60.9 (41.6 to 81.2)</b>	<b>92.6 (76.8 to 108)</b>	-1.89 (-6.66 to 3.25)
2 Alzheimer's disease	2 Ischemic heart disease	-14.9 (-33.3 to 5.62)	2.03 (-18 to 24.6)	<b>-47.5 (-59 to -33.5)</b>
3 Stroke	3 Hypertensive heart disease	<b>76.5 (42.2 to 108)</b>	<b>112 (66.5 to 151)</b>	8.7 (-14.9 to 32.4)
4 COVID-19	4 Stroke	<b>-17.2 (-27.6 to -4.4)</b>	-0.796 (-12.9 to 12.9)	<b>-47.1 (-54.5 to -39.7)</b>
5 Lung cancer	5 COPD	<b>58.2 (32.4 to 84.3)</b>	<b>89.5 (59.9 to 120)</b>	-2.74 (-20.5 to 12.4)
6 Hypertensive heart disease	6 Chronic kidney disease	<b>122 (87.3 to 169)</b>	<b>166 (122 to 215)</b>	<b>32.5 (7.66 to 59.3)</b>
7 COPD	7 Lung cancer	17.9 (-1.6 to 42)	<b>41.2 (21.2 to 68.4)</b>	<b>-13.6 (-24.5 to -0.393)</b>
8 Colorectal cancer	8 Colorectal cancer	<b>38.9 (8.5 to 79.3)</b>	<b>66.2 (32.5 to 110)</b>	-5.51 (-22.5 to 16.8)
9 Chronic kidney disease	9 Pancreatic cancer	<b>79.7 (48 to 117)</b>	<b>115 (77.1 to 159)</b>	<b>30.5 (8.29 to 52.8)</b>
10 Diabetes	10 Diabetes	19.4 (-4.77 to 48.3)	<b>43 (14 to 75.8)</b>	<b>-26 (-40.6 to -8.65)</b>
11 Pancreatic cancer	11 Lower respiratory infect	<b>46.4 (22.5 to 72.9)</b>	<b>75.5 (51.9 to 104)</b>	-10.8 (-21.7 to 0.435)
12 Breast cancer	12 Atrial fibrillation	<b>94.1 (69.2 to 124)</b>	<b>132 (110 to 159)</b>	<b>17.4 (7.96 to 27.3)</b>
13 Lower respiratory infect	13 Falls	<b>52.3 (27.9 to 78.3)</b>	<b>82.4 (58.2 to 110)</b>	-6.28 (-15.2 to 3.64)
14 Falls	14 Prostate cancer	<b>69.8 (43.4 to 111)</b>	<b>103 (74 to 147)</b>	9.14 (-3.68 to 23.6)
15 Stomach cancer	15 Breast cancer	19.6 (-1.62 to 42.7)	<b>43.2 (21.7 to 70.7)</b>	-12.8 (-22.9 to 1.11)
16 Prostate cancer	16 Parkinson's disease	<b>57.6 (38.2 to 78.4)</b>	<b>88.7 (70.5 to 107)</b>	2.59 (-5.72 to 11.4)
17 Atrial fibrillation	17 Nonrheum valv diseases	<b>99 (68.3 to 132)</b>	<b>138 (105 to 171)</b>	<b>21.4 (8.79 to 36.4)</b>
18 Cirrhosis liver	18 Bladder cancer	<b>48 (28.6 to 73.8)</b>	<b>77.2 (56.9 to 101)</b>	-3.65 (-12.2 to 5.7)
19 Parkinson's disease	19 Stomach cancer	-3.08 (-13.8 to 10.6)	<b>16.1 (5.41 to 27.7)</b>	<b>-34.3 (-39.4 to -28.8)</b>
20 Bladder cancer	20 Liver cancer	<b>50.6 (28.6 to 75.6)</b>	<b>80.4 (58.2 to 102)</b>	<b>18.9 (4.58 to 33.8)</b>
22 Nonrheum valv diseases	22 Cirrhosis liver			
23 Liver cancer	128 COVID-19			

### Luxembourg, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	22.3 (-1.06 to 56.8)	-18.6 (-33 to 4.46)	<b>-49.5 (-58.3 to -32.9)</b>
2 Stroke	2 Alzheimer's disease	<b>161 (128 to 195)</b>	<b>73.6 (55.3 to 93.9)</b>	2.29 (-2.17 to 7.03)
3 Lung cancer	3 Chronic kidney disease	<b>250 (192 to 338)</b>	<b>133 (97.4 to 182)</b>	<b>39.6 (19.8 to 72.9)</b>
4 Alzheimer's disease	4 Lung cancer	<b>88.9 (52.9 to 119)</b>	<b>25.9 (1.02 to 44.1)</b>	-8.29 (-24.2 to 2.23)
5 COVID-19	5 COPD	<b>133 (94.5 to 180)</b>	<b>55.4 (32.5 to 82.6)</b>	-3.17 (-15.8 to 15.4)
6 COPD	6 Stroke	<b>29.2 (10.6 to 50.7)</b>	<b>-13.9 (-23.9 to -0.571)</b>	<b>-46 (-51.9 to -37.6)</b>
7 Colorectal cancer	7 Colorectal cancer	<b>120 (65 to 166)</b>	<b>46.2 (11.8 to 72.6)</b>	-3.54 (-23.3 to 15.2)
8 Chronic kidney disease	8 Lower respiratory infect	<b>140 (104 to 182)</b>	<b>59.6 (37.6 to 85.5)</b>	-4.25 (-15.4 to 11.7)
9 Lower respiratory infect	9 Pancreatic cancer	<b>178 (125 to 222)</b>	<b>85.2 (51.3 to 114)</b>	<b>29.7 (7.63 to 48.1)</b>
10 Breast cancer	10 Nonrheum valv diseases	<b>202 (156 to 255)</b>	<b>101 (70.5 to 133)</b>	<b>20.4 (4.76 to 35.4)</b>
11 Falls	11 Atrial fibrillation	<b>191 (149 to 230)</b>	<b>93.9 (69.4 to 118)</b>	<b>15 (3.96 to 26.3)</b>
12 Pancreatic cancer	12 Falls	<b>132 (98.2 to 170)</b>	<b>54.3 (30.8 to 77.8)</b>	-4.67 (-14.1 to 5.43)
13 Atrial fibrillation	13 Prostate cancer	<b>165 (113 to 221)</b>	<b>76.7 (45.9 to 110)</b>	9.47 (-4.51 to 23.4)
14 Nonrheum valv diseases	14 Breast cancer	<b>96.3 (58.6 to 129)</b>	<b>30.7 (6.74 to 47.7)</b>	-6.14 (-20.4 to 4.55)
15 Prostate cancer	15 Hypertensive heart disease	<b>161 (113 to 228)</b>	<b>74 (44.6 to 115)</b>	6.09 (-11.1 to 36.1)
16 Cirrhosis liver	16 Parkinson's disease	<b>154 (122 to 194)</b>	<b>69.5 (50.9 to 94.7)</b>	5.22 (-3.02 to 15.4)
17 Diabetes	17 Diabetes	<b>91.5 (52.9 to 134)</b>	<b>27.6 (3.32 to 54.9)</b>	<b>-21.5 (-34.8 to -4.53)</b>
18 Hypertensive heart disease	18 Cirrhosis liver	<b>50.6 (35.4 to 68.3)</b>	0.283 (-7.93 to 9.6)	<b>-17.2 (-23.1 to -10.5)</b>
19 Parkinson's disease	19 Leukemia	<b>110 (79.2 to 140)</b>	<b>39.8 (20.6 to 56.6)</b>	-4.72 (-15.4 to 3.57)
20 Self-harm	20 Endocarditis	<b>254 (174 to 361)</b>	<b>136 (81.1 to 207)</b>	<b>48.2 (17 to 95.2)</b>
21 Leukemia	28 Self-harm			
31 Endocarditis	127 COVID-19			



### Malta, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	138 (97.2 to 186)	93.1 (64.5 to 127)	-3.83 (-9.23 to 0.98)
2 COVID-19	2 Ischemic heart disease	-12.9 (-36.7 to 17.7)	-29.4 (-47.6 to -7.57)	-57.4 (-68.5 to -41.7)
3 Alzheimer's disease	3 Chronic kidney disease	167 (103 to 240)	116 (70.7 to 172)	20.7 (-3.34 to 55.5)
4 Stroke	4 Lower respiratory infect	89.5 (54.7 to 126)	53.6 (28.6 to 81.8)	-19.4 (-30.4 to -5.03)
5 Lower respiratory infect	5 Lung cancer	37.7 (4.17 to 71.4)	11.6 (-11.3 to 36.8)	-2.3 (-20.9 to 17.7)
6 Lung cancer	6 Stroke	-5.02 (-23.8 to 14.4)	-23 (-35.3 to -8.81)	-51.6 (-59.5 to -40.4)
7 Diabetes	7 Colorectal cancer	64.5 (18.1 to 114)	33.2 (-1.16 to 70.5)	-0.429 (-22.7 to 21)
8 Chronic kidney disease	8 Pancreatic cancer	103 (51.9 to 156)	64.3 (24.6 to 104)	34.8 (6.17 to 65.8)
9 Colorectal cancer	9 COPD	70.8 (32.8 to 109)	38.3 (10.9 to 70.3)	-11.1 (-26.6 to 8.1)
10 COPD	10 Diabetes	19 (-11.3 to 55.2)	-3.62 (-25.8 to 24.8)	-37.7 (-51.4 to -19.1)
11 Breast cancer	11 Atrial fibrillation	163 (118 to 216)	113 (83.2 to 144)	13.5 (4.88 to 24.3)
12 Pancreatic cancer	12 Hypertensive heart disease	126 (67.3 to 191)	82.8 (38.3 to 138)	2.67 (-19.6 to 32.3)
13 Falls	13 Breast cancer	42.9 (11.6 to 80.6)	15.8 (-6.91 to 40)	-7.83 (-24 to 9.34)
14 Hypertensive heart disease	14 Urinary diseases	210 (147 to 292)	151 (103 to 209)	36.2 (12.6 to 65.8)
15 Atrial fibrillation	15 Falls	92 (57.7 to 133)	55.6 (29.3 to 86.1)	-11.2 (-20 to -1.67)
16 Parkinson's disease	16 Prostate cancer	97.2 (48.6 to 154)	59.8 (23.2 to 103)	10.4 (-7.54 to 27.2)
17 Prostate cancer	17 Parkinson's disease	75.5 (46.7 to 105)	42.2 (25.9 to 61.5)	-0.177 (-8.86 to 8.7)
18 Interstitial lung disease	18 Interstitial lung disease	69.9 (38.6 to 98.5)	37.6 (20.1 to 57.4)	1.51 (-8.21 to 11.5)
19 Stomach cancer	19 Nonrheum valv diseases	145 (99.7 to 208)	98.2 (67.3 to 136)	15.7 (3.85 to 31.8)
20 Bladder cancer	20 Bladder cancer	64.2 (35.2 to 95.8)	33.1 (14.3 to 54.8)	-6.41 (-15.8 to 2.39)
21 Urinary diseases	26 Stomach cancer			
27 Nonrheum valv diseases	129 COVID-19			

### Monaco, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lung cancer	1 Lung cancer	-3.94 (-22.5 to 16.6)	<b>25.5 (4.18 to 49.4)</b>	-6.8 (-23 to 10.2)
2 Ischemic heart disease	2 Alzheimer's disease	<b>51.1 (26.9 to 79.6)</b>	<b>97.2 (70.2 to 127)</b>	3.83 (-1.36 to 9.55)
3 Stroke	3 Ischemic heart disease	<b>-34.3 (-50.9 to -12.2)</b>	-14.2 (-34.5 to 13.9)	<b>-50.7 (-62.2 to -34.9)</b>
4 Alzheimer's disease	4 Stroke	<b>-34.9 (-48.4 to -18.9)</b>	-15.1 (-30.6 to 2.15)	<b>-49.7 (-57.5 to -39.9)</b>
5 COVID-19	5 Lower respiratory infect	<b>34.2 (6.12 to 67.7)</b>	<b>75.2 (45.1 to 108)</b>	-4.91 (-18.5 to 11.7)
6 Colorectal cancer	6 Colorectal cancer	17.7 (-11.4 to 50)	<b>53.6 (18.7 to 88.3)</b>	-1.48 (-22.6 to 20.1)
7 Lower respiratory infect	7 Chronic kidney disease	<b>98.8 (46.5 to 156)</b>	<b>160 (108 to 231)</b>	<b>41.4 (15.7 to 81)</b>
8 Breast cancer	8 Pancreatic cancer	<b>46.4 (17.7 to 80.5)</b>	<b>91.3 (53.5 to 128)</b>	<b>33.6 (9.14 to 55.7)</b>
9 COPD	9 COPD	<b>33.2 (1.51 to 67.5)</b>	<b>74.1 (34.8 to 113)</b>	1.69 (-16.7 to 22.6)
10 Pancreatic cancer	10 Breast cancer	5.2 (-16.6 to 33.5)	<b>37.4 (11.5 to 68.6)</b>	-3.07 (-17.5 to 11.7)
11 Prostate cancer	11 Prostate cancer	<b>33.6 (7.44 to 68)</b>	<b>74.5 (42.6 to 108)</b>	4.88 (-10 to 20.2)
12 Chronic kidney disease	12 Hypertensive heart disease	<b>59.4 (14.1 to 114)</b>	<b>108 (60.2 to 171)</b>	16.9 (-5.93 to 50.6)
13 Hypertensive heart disease	13 Parkinson's disease	<b>35.8 (14.3 to 58.9)</b>	<b>77.4 (56.2 to 101)</b>	5.23 (-4.61 to 13.8)
14 Leukemia	14 Atrial fibrillation	<b>75.1 (43.5 to 114)</b>	<b>129 (96.5 to 161)</b>	<b>22.6 (12.1 to 32.9)</b>
15 Cardiomyopathy	15 Liver cancer	<b>31.8 (8.82 to 57.8)</b>	<b>72.2 (49.4 to 100)</b>	<b>33.2 (17.6 to 51.8)</b>
16 Parkinson's disease	16 Leukemia	8.63 (-9.9 to 29.2)	<b>41.9 (18.4 to 64.6)</b>	-2.98 (-14.4 to 7.98)
17 Liver cancer	17 Cardiomyopathy	3.49 (-13.3 to 25.3)	<b>35.1 (16.6 to 57.5)</b>	<b>-20.2 (-26.8 to -11.4)</b>
18 Cirrhosis liver	18 Bladder cancer	<b>17.4 (0.0935 to 39)</b>	<b>53.4 (33.2 to 74.2)</b>	-5.64 (-15 to 4.87)
19 Stomach cancer	19 Adverse medical treatment	26.8 (-10.4 to 66.6)	<b>65.6 (21 to 123)</b>	7.04 (-16.7 to 38.2)
20 Bladder cancer	20 Aortic aneurysm	8.61 (-10.7 to 30.5)	<b>41.9 (18.3 to 66.1)</b>	<b>-11.5 (-22 to -1.55)</b>
21 Atrial fibrillation	21 Stomach cancer			
22 Aortic aneurysm	23 Cirrhosis liver			
25 Adverse medical treatment	127 COVID-19			

### Netherlands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	85.3 (63.6 to 111)	74.5 (62.2 to 88.7)	-2.99 (-7.4 to 2.35)
2 Stroke	2 COPD	56.5 (33.7 to 83.3)	47.4 (26.7 to 72.8)	-8.8 (-21.5 to 6.63)
3 Lung cancer	3 Chronic kidney disease	194 (143 to 252)	177 (133 to 227)	52.8 (26.3 to 83.8)
4 Alzheimer's disease	4 Lung cancer	13 (-3.79 to 31)	6.38 (-5.87 to 21.6)	-17.3 (-26.4 to -7.14)
5 COPD	5 Ischemic heart disease	-13.8 (-32 to 2.7)	-18.7 (-33.2 to -2.92)	-52 (-61.4 to -42)
6 Colorectal cancer	6 Stroke	-7.2 (-19.8 to 6.92)	-12.6 (-22 to -2.37)	-47.7 (-53.8 to -40.9)
7 Lower respiratory infect	7 Lower respiratory infect	68.6 (43 to 96.2)	58.9 (36.9 to 81.7)	-11.4 (-23.2 to 0.608)
8 Falls	8 Colorectal cancer	43 (14.7 to 73.8)	34.6 (12.1 to 59.3)	-6.76 (-21.6 to 8.01)
9 Chronic kidney disease	9 Falls	82.2 (54.7 to 112)	71.6 (50.7 to 94.3)	-4.45 (-13.9 to 6.05)
10 Breast cancer	10 Nonrheum valv diseases	145 (115 to 189)	131 (105 to 160)	25.8 (14.5 to 40.2)
11 Prostate cancer	11 Urinary diseases	197 (146 to 252)	179 (135 to 236)	53.4 (29.1 to 82.5)
12 Nonrheum valv diseases	12 Atrial fibrillation	142 (109 to 172)	128 (104 to 150)	25.8 (15.4 to 36.4)
13 Pancreatic cancer	13 Prostate cancer	66.5 (38.4 to 97.1)	56.8 (35.2 to 78.8)	2.1 (-10.3 to 14.8)
14 Diabetes	14 Pancreatic cancer	73.5 (42.4 to 107)	63.4 (36.8 to 90)	22.5 (4.31 to 40.9)
15 COVID-19	15 Breast cancer	37.8 (14.8 to 58.5)	29.8 (10.3 to 47.6)	-6.5 (-17.4 to 5.58)
16 Atrial fibrillation	16 Diabetes	26.1 (-0.653 to 55.3)	18.8 (-3.54 to 45.2)	-30.5 (-42.5 to -15.3)
17 Urinary diseases	17 Parkinson's disease	84.5 (62.2 to 116)	73.8 (55.5 to 92.4)	5.34 (-2.97 to 14.2)
18 Esophageal cancer	18 Endocarditis	173 (112 to 247)	157 (104 to 217)	49.9 (19 to 84.4)
19 Parkinson's disease	19 Bacterial skin	272 (187 to 389)	250 (167 to 369)	100 (55.5 to 164)
20 Self-harm	20 Esophageal cancer	17.2 (4.19 to 31.9)	10.4 (0.221 to 21.6)	-14 (-20.5 to -6.49)
26 Endocarditis	31 Self-harm			
45 Bacterial skin	128 COVID-19			

### Norway, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	94.5 (70.8 to 116)	68.4 (56.1 to 78.7)	-4.59 (-9.36 to 0.349)
2 Alzheimer's disease	2 COPD	67.5 (44.7 to 89.3)	45 (27.6 to 63)	-11.1 (-21.1 to 0.0418)
3 COPD	3 Ischemic heart disease	-14.2 (-27.8 to 2.4)	-25.8 (-35.8 to -12.7)	-56.5 (-62.7 to -48.7)
4 Stroke	4 Lower respiratory infect	90.9 (62.2 to 123)	65.2 (42.9 to 90.1)	-6.77 (-19 to 6.92)
5 Lung cancer	5 Colorectal cancer	65.3 (39.1 to 91.2)	43.1 (22.8 to 62.1)	-8.97 (-20.7 to 2.18)
6 COVID-19	6 Lung cancer	29.4 (12.4 to 46.6)	12 (-0.249 to 24.6)	-21.3 (-28.7 to -12.9)
7 Lower respiratory infect	7 Falls	95.3 (70 to 129)	69 (48.1 to 91.8)	-3.62 (-13.6 to 7.79)
8 Colorectal cancer	8 Prostate cancer	115 (77.1 to 151)	85.8 (56.3 to 111)	9.25 (-4.25 to 20.8)
9 Falls	9 Stroke	-6.7 (-17.9 to 4.9)	-19.3 (-26.9 to -11.9)	-51.3 (-55.8 to -46.5)
10 Prostate cancer	10 Nonrheum valv diseases	172 (134 to 213)	135 (107 to 167)	31.4 (16.9 to 46.4)
11 Pancreatic cancer	11 Chronic kidney disease	176 (135 to 227)	139 (110 to 178)	35.1 (18.1 to 58.9)
12 Nonrheum valv diseases	12 Pancreatic cancer	96.4 (71.8 to 122)	70 (48.5 to 90.8)	16.5 (2.5 to 29.7)
13 Chronic kidney disease	13 Atrial fibrillation	140 (111 to 174)	108 (89.3 to 131)	17.2 (6.82 to 27.5)
14 Atrial fibrillation	14 Urinary diseases	231 (176 to 294)	187 (144 to 235)	60.2 (36.6 to 84.4)
15 Breast cancer	15 Diarrheal diseases	301 (172 to 494)	247 (133 to 404)	94 (28.1 to 187)
16 Parkinson's disease	16 Parkinson's disease	93.1 (72.7 to 118)	67.1 (54.8 to 82.9)	2.55 (-4.79 to 11.6)
17 Diabetes	17 Bacterial skin	364 (250 to 505)	301 (211 to 413)	126 (79.9 to 186)
18 Self-harm	18 Breast cancer	48.6 (27.4 to 72)	28.6 (12.9 to 47.2)	-11.7 (-20.8 to -2.54)
19 Urinary diseases	19 Aortic aneurysm	50.9 (31.6 to 73.1)	30.6 (16.1 to 47.7)	-19.9 (-27.6 to -10.5)
20 Aortic aneurysm	20 Diabetes	25.1 (3.08 to 48.2)	8.22 (-11 to 26.9)	-36.6 (-46.6 to -26.7)
24 Diarrheal diseases	28 Self-harm			
38 Bacterial skin	128 COVID-19			

### Portugal, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Alzheimer's disease	72.5 (47 to 101)	75.7 (60.5 to 92)	-9.95 (-14.3 to -5.85)
2 Ischemic heart disease	2 Lower respiratory infect	55.1 (31.5 to 84.5)	58.1 (39 to 82.1)	-19.1 (-30.3 to -7.79)
3 Alzheimer's disease	3 Stroke	-24.7 (-37.7 to -8.05)	-23.3 (-33.9 to -12)	-57.1 (-63.3 to -50.1)
4 COVID-19	4 Chronic kidney disease	93.3 (55.3 to 134)	97 (61.2 to 132)	-0.0999 (-19.5 to 23.1)
5 Lower respiratory infect	5 COPD	60.2 (31.5 to 93.6)	63.2 (35.7 to 92.1)	-14.5 (-29.6 to 2.5)
6 COPD	6 Ischemic heart disease	-28.9 (-46.4 to -9.11)	-27.5 (-42.8 to -10.6)	-58.9 (-68.4 to -47.5)
7 Chronic kidney disease	7 Colorectal cancer	51.2 (15 to 94.3)	54.1 (21.4 to 90.6)	-3.21 (-21.6 to 18.7)
8 Colorectal cancer	8 Lung cancer	28.4 (5.28 to 58.3)	30.9 (8.66 to 59.4)	-4.87 (-19.6 to 12.5)
9 Lung cancer	9 Urinary diseases	146 (101 to 200)	151 (109 to 198)	27.4 (4.23 to 50.1)
10 Diabetes	10 Diabetes	21.4 (-5.18 to 59.4)	23.6 (-2.07 to 55.7)	-32 (-46.7 to -14.9)
11 Stomach cancer	11 Prostate cancer	60.1 (28.6 to 101)	63.1 (38.4 to 97.9)	-3.82 (-14.7 to 10.2)
12 Prostate cancer	12 Pancreatic cancer	85.4 (46.1 to 135)	88.8 (54.7 to 132)	30.1 (8.28 to 57.8)
13 Hypertensive heart disease	13 Hypertensive heart disease	64.1 (28.2 to 105)	67.2 (31.5 to 102)	-14.7 (-34 to 4.09)
14 Breast cancer	14 Breast cancer	33.3 (8.39 to 63.5)	35.8 (12.1 to 60.2)	-11.3 (-23.7 to 3.45)
15 Urinary diseases	15 Nonrheum valv diseases	93 (62.1 to 132)	96.6 (70.3 to 125)	4.03 (-6.39 to 15.9)
16 Pancreatic cancer	16 Stomach cancer	-10 (-22.4 to 3.68)	-8.32 (-17 to 1.18)	-40.4 (-44.3 to -36)
17 Cirrhosis liver	17 Falls	53.4 (28.8 to 80)	56.4 (36.6 to 78.3)	-12.6 (-20.3 to -3.38)
18 Falls	18 Atrial fibrillation	86.6 (58.1 to 118)	90.1 (69 to 116)	-2.96 (-11 to 6.22)
19 Nonrheum valv diseases	19 Parkinson's disease	47.9 (27 to 71.8)	50.6 (37 to 66.4)	-9.83 (-17.4 to -2.54)
20 Parkinson's disease	20 Liver cancer	67.2 (41.1 to 94.5)	70.4 (47.4 to 92.1)	36 (19.4 to 53.6)
23 Atrial fibrillation	21 Cirrhosis liver			
24 Liver cancer	129 COVID-19			

### San Marino, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Alzheimer's disease	<b>170 (104 to 243)</b>	<b>200 (148 to 262)</b>	4.06 (-1.33 to 9.33)
2 Alzheimer's disease	2 Ischemic heart disease	19.6 (-22.2 to 69.5)	33.2 (-5.96 to 85.9)	<b>-51.7 (-65.6 to -29.9)</b>
3 Ischemic heart disease	3 Stroke	19.4 (-14.9 to 56.5)	<b>32.8 (0.621 to 71.9)</b>	<b>-48.2 (-58.6 to -34.9)</b>
4 Stroke	4 Lower respiratory infect	<b>141 (77.4 to 214)</b>	<b>169 (104 to 238)</b>	-7.06 (-22.4 to 12)
5 Lung cancer	5 Colorectal cancer	<b>102 (38.5 to 185)</b>	<b>124 (60.8 to 200)</b>	-1.6 (-25.5 to 24.5)
6 Colorectal cancer	6 Lung cancer	<b>43.1 (5.48 to 98.6)</b>	<b>58.9 (19.3 to 107)</b>	-13 (-31.7 to 5.36)
7 Lower respiratory infect	7 Hypertensive heart disease	<b>189 (97 to 301)</b>	<b>221 (135 to 335)</b>	17.3 (-9.11 to 56.1)
8 Stomach cancer	8 Chronic kidney disease	<b>261 (143 to 391)</b>	<b>302 (193 to 436)</b>	<b>39.9 (6.64 to 82.6)</b>
9 COPD	9 COPD	<b>133 (62.3 to 212)</b>	<b>160 (93.3 to 249)</b>	-0.916 (-21.9 to 31.1)
10 Hypertensive heart disease	10 Atrial fibrillation	<b>217 (140 to 315)</b>	<b>252 (186 to 337)</b>	<b>21.1 (11.2 to 32.1)</b>
11 Other cardiovascular	11 Prostate cancer	<b>112 (47.6 to 189)</b>	<b>136 (73.8 to 220)</b>	-3.24 (-20.2 to 11.3)
12 Cirrhosis liver	12 Other cardiovascular	<b>105 (53.2 to 167)</b>	<b>128 (82.3 to 179)</b>	-12.2 (-22.5 to 1.81)
13 Prostate cancer	13 Stomach cancer	35.2 (-0.313 to 73.6)	<b>50.2 (26.9 to 80)</b>	<b>-33.4 (-38.9 to -28.1)</b>
14 Pancreatic cancer	14 Pancreatic cancer	<b>136 (64.4 to 233)</b>	<b>162 (95.9 to 241)</b>	<b>32.1 (4.03 to 62.4)</b>
15 Chronic kidney disease	15 Cirrhosis liver	<b>47.7 (11 to 88.1)</b>	<b>64.2 (36.9 to 95)</b>	-9.29 (-19.9 to 3.66)
16 Breast cancer	16 Breast cancer	<b>75 (20.2 to 147)</b>	<b>94.3 (41.2 to 164)</b>	-0.81 (-22.4 to 24.5)
17 Atrial fibrillation	17 Bladder cancer	<b>96.7 (43.2 to 161)</b>	<b>119 (73.9 to 173)</b>	-8.43 (-18.1 to 3.52)
18 Diabetes	18 Cardiomyopathy	<b>92.2 (44.9 to 162)</b>	<b>114 (67.5 to 172)</b>	<b>-18.2 (-26.6 to -10.2)</b>
19 Lymphoma	19 Diabetes	<b>77 (15.3 to 146)</b>	<b>97 (38 to 174)</b>	<b>-27.2 (-47.5 to -0.643)</b>
20 Bladder cancer	20 Brain cancer	<b>87.5 (52.7 to 132)</b>	<b>109 (83.4 to 138)</b>	<b>41.6 (34.1 to 48.6)</b>
21 Cardiomyopathy	21 Lymphoma			
22 Brain cancer	128 COVID-19			

### Spain, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	81.4 (61.8 to 103)	60.7 (45.9 to 74.8)	-6.05 (-11.4 to -1.47)
2 Alzheimer's disease	2 COPD	76.8 (45.5 to 109)	56.5 (33.1 to 82.3)	-9.42 (-23.6 to 7.03)
3 COVID-19	3 Chronic kidney disease	175 (118 to 235)	143 (103 to 191)	38.1 (11.2 to 71.4)
4 Stroke	4 Ischemic heart disease	-5.46 (-25.6 to 16.6)	-16.3 (-33.4 to 2.62)	-50.4 (-62.2 to -37)
5 COPD	5 Stroke	3.23 (-12.9 to 20.1)	-8.59 (-20 to 3.68)	-44.1 (-52.5 to -34.8)
6 Lung cancer	6 Colorectal cancer	64.4 (29.8 to 108)	45.6 (15.9 to 82.5)	-7.76 (-23.8 to 11.4)
7 Colorectal cancer	7 Lung cancer	14.3 (-4.43 to 36.1)	1.2 (-15.5 to 19.6)	-27.4 (-37.8 to -15.8)
8 Chronic kidney disease	8 Lower respiratory infect	68.1 (43.3 to 97.2)	48.9 (29.7 to 67.7)	-13.8 (-23.9 to -2.81)
9 Lower respiratory infect	9 Urinary diseases	183 (137 to 236)	150 (114 to 193)	43.6 (23 to 68.9)
10 Hypertensive heart disease	10 Hypertensive heart disease	88.2 (45.6 to 129)	66.7 (31.9 to 97.7)	-1.59 (-21.5 to 22.1)
11 Diabetes	11 Pancreatic cancer	106 (65 to 149)	82.3 (47.5 to 122)	24.5 (3.12 to 48.9)
12 Pancreatic cancer	12 Atrial fibrillation	132 (103 to 167)	106 (83.6 to 133)	19.3 (8.94 to 29.2)
13 Breast cancer	13 Nonrheum valv diseases	130 (98.8 to 169)	104 (81 to 133)	18.6 (6.2 to 31.5)
14 Prostate cancer	14 Prostate cancer	96.6 (64.3 to 137)	74.2 (47 to 106)	5.78 (-7.31 to 20)
15 Urinary diseases	15 Diabetes	42.6 (9.23 to 78.4)	26.3 (-0.539 to 54.2)	-27 (-44.2 to -8.67)
16 Atrial fibrillation	16 Parkinson's disease	86.8 (60 to 113)	65.4 (47.7 to 83.6)	0.977 (-7.47 to 10.7)
17 Nonrheum valv diseases	17 Breast cancer	40.5 (18.2 to 67.7)	24.5 (4.12 to 46.9)	-13.8 (-25.2 to 0.474)
18 Stomach cancer	18 Interstitial lung disease	84.9 (59.3 to 112)	63.8 (45 to 83.7)	1.63 (-6.78 to 11.3)
19 Cirrhosis liver	19 Bladder cancer	62.9 (39.3 to 88.3)	44.3 (26.2 to 64.9)	-11.1 (-20.1 to -2.01)
20 Parkinson's disease	20 Liver cancer	65.1 (40.1 to 88.9)	46.2 (27.6 to 65.3)	5.07 (-8.07 to 18.5)
21 Bladder cancer	23 Stomach cancer			
22 Interstitial lung disease	24 Cirrhosis liver			
24 Liver cancer	131 COVID-19			

### Sweden, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	79.8 (54 to 102)	39.9 (25.3 to 55.6)	-2.83 (-7.55 to 2.41)
2 Alzheimer's disease	2 Ischemic heart disease	-19.1 (-33.8 to -0.815)	-37.1 (-48.6 to -23.7)	-54.7 (-63.1 to -43.6)
3 Stroke	3 Chronic kidney disease	162 (114 to 215)	103 (69.8 to 143)	41 (18 to 68.5)
4 COVID-19	4 Atrial fibrillation	126 (91.2 to 165)	75.6 (53.8 to 101)	20.2 (10.2 to 32.5)
5 Lung cancer	5 Stroke	-15.2 (-26.5 to -1.93)	-34.1 (-41.3 to -24.7)	-50 (-56.3 to -42.1)
6 COPD	6 COPD	52.8 (27.2 to 79.4)	18.9 (1.96 to 40.6)	-6.51 (-19.5 to 11.9)
7 Colorectal cancer	7 Lung cancer	34.5 (13.3 to 60.1)	4.66 (-9.17 to 19.9)	-7.66 (-18.7 to 3.77)
8 Atrial fibrillation	8 Colorectal cancer	53 (21.3 to 85.6)	19 (-3.81 to 43.5)	-4.89 (-20.1 to 11.8)
9 Prostate cancer	9 Prostate cancer	80 (47.7 to 123)	40 (18.4 to 67.8)	7.03 (-5.97 to 20.7)
10 Chronic kidney disease	10 Pancreatic cancer	88.7 (52.5 to 128)	46.8 (20.5 to 72.6)	26.1 (8.19 to 45.1)
11 Lower respiratory infect	11 Lower respiratory infect	54.3 (26.2 to 83.4)	20 (3.37 to 38.4)	-14.3 (-26.7 to -1.17)
12 Pancreatic cancer	12 Hypertensive heart disease	96.5 (53.7 to 148)	52.8 (23.3 to 89.6)	6.9 (-13.8 to 32.2)
13 Falls	13 Falls	71.9 (42.4 to 102)	33.8 (14.9 to 53.6)	-5.27 (-14.2 to 4.95)
14 Diabetes	14 Nonrheum valv diseases	143 (103 to 188)	89.1 (63.1 to 122)	29.5 (16 to 45.8)
15 Hypertensive heart disease	15 Diarrheal diseases	216 (93.2 to 390)	146 (48.8 to 275)	70.4 (1.57 to 169)
16 Breast cancer	16 Diabetes	19.4 (-8.24 to 48.8)	-7.12 (-29.2 to 14.6)	-32.2 (-45.8 to -17)
17 Nonrheum valv diseases	17 Breast cancer	44.3 (18.2 to 73.2)	12.2 (-6.09 to 31.6)	-7.43 (-19 to 5.28)
18 Self-harm	18 Parkinson's disease	66.7 (43.5 to 90.8)	29.7 (17.3 to 45.6)	3.11 (-4.33 to 12.5)
19 Parkinson's disease	19 Bacterial skin	310 (204 to 420)	219 (142 to 304)	128 (75.5 to 196)
20 Aortic aneurysm	20 Urinary diseases	187 (136 to 245)	124 (86.1 to 168)	54.8 (29.6 to 79.6)
22 Diarrheal diseases	21 Self-harm			
33 Urinary diseases	23 Aortic aneurysm			
40 Bacterial skin	128 COVID-19			



### Switzerland, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	113 (86.3 to 141)	89.2 (75.6 to 103)	-4.49 (-9 to 0.0862)
2 Alzheimer's disease	2 Ischemic heart disease	4.61 (-11.7 to 23.6)	-7.16 (-20.5 to 6.98)	<b>-53 (-59.6 to -44.6)</b>
3 Stroke	3 Chronic kidney disease	221 (161 to 278)	185 (141 to 228)	39.4 (19.7 to 61.6)
4 Lung cancer	4 Hypertensive heart disease	149 (104 to 196)	121 (87.3 to 157)	11.7 (-4.77 to 29.3)
5 Chronic kidney disease	5 Lung cancer	37.4 (17.2 to 56.7)	21.8 (6.94 to 36.1)	<b>-18.2 (-26.5 to -10)</b>
6 COPD	6 COPD	94.4 (67 to 126)	72.5 (51.1 to 98.6)	-4.71 (-13.7 to 7.93)
7 Hypertensive heart disease	7 Falls	104 (73.3 to 137)	81.3 (57.1 to 103)	-4.66 (-15 to 6.37)
8 Falls	8 Stroke	6.84 (-7.64 to 21.6)	-5.24 (-15.8 to 5.95)	<b>-48.8 (-53.9 to -42.2)</b>
9 Colorectal cancer	9 Prostate cancer	124 (89.3 to 166)	99.1 (70.4 to 131)	6.14 (-6.07 to 18.3)
10 COVID-19	10 Lower respiratory infect	98.5 (68.6 to 132)	76.1 (53.7 to 99.4)	-10.9 (-21.8 to 0.991)
11 Lower respiratory infect	11 Colorectal cancer	71 (38.9 to 103)	51.7 (26.9 to 74.7)	<b>-11.9 (-24.2 to -0.88)</b>
12 Prostate cancer	12 Pancreatic cancer	106 (68.2 to 139)	82.4 (56.1 to 105)	15.9 (1.45 to 30.6)
13 Pancreatic cancer	13 Endocarditis	244 (180 to 334)	205 (154 to 281)	57.1 (32.6 to 91.1)
14 Breast cancer	14 Nonrheum valv diseases	186 (140 to 233)	154 (118 to 191)	25.5 (10.3 to 41.3)
15 Diabetes	15 Breast cancer	48.6 (22.6 to 77.5)	31.8 (13.3 to 50.4)	<b>-15.9 (-25.5 to -6.11)</b>
16 Self-harm	16 Atrial fibrillation	165 (131 to 207)	135 (112 to 162)	17.1 (8.37 to 27.4)
17 Parkinson's disease	17 Parkinson's disease	111 (82.6 to 141)	86.9 (69.4 to 107)	3.63 (-4.18 to 12.7)
18 Nonrheum valv diseases	18 Urinary diseases	244 (195 to 310)	205 (161 to 257)	51.2 (29.6 to 72.4)
19 Endocarditis	19 Diabetes	50.2 (19 to 85.1)	33.3 (6.18 to 61.5)	<b>-31.6 (-42.6 to -18.7)</b>
20 Atrial fibrillation	20 Other digestive	219 (162 to 273)	183 (143 to 225)	46.1 (29.1 to 70.5)
28 Urinary diseases	26 Self-harm			
30 Other digestive	128 COVID-19			

### UK, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	3 Ischemic heart disease	-18.5 (-34.3 to -0.182)	-24.5 (-39.4 to -6.11)	-53.8 (-63.4 to -40.6)
2 Lower respiratory infect	2 Lower respiratory infect	69.2 (47.4 to 91.6)	56.6 (35.9 to 77.6)	-11.5 (-22.7 to 1.18)
3 Stroke	7 Stroke	-12 (-22.6 to -2.56)	-18.6 (-29.8 to -9.8)	-50.2 (-56.8 to -43.7)
4 COPD	4 COPD	49.2 (26.6 to 73.1)	38.1 (15.9 to 61.1)	-12.7 (-27.3 to 1.59)
5 Lung cancer	5 Lung cancer	41.6 (16 to 70.2)	31 (8.74 to 51.9)	-9.6 (-22.7 to 4.29)
6 Alzheimer's disease	1 Alzheimer's disease	90.8 (74.1 to 107)	76.6 (63.4 to 91.7)	-0.762 (-5.29 to 4.26)
7 COVID-19	128 COVID-19			
8 Colorectal cancer	6 Colorectal cancer	61.2 (26.9 to 102)	49 (19.9 to 83.9)	-4.03 (-20.6 to 15.3)
9 Prostate cancer	8 Prostate cancer	81.4 (50.2 to 120)	67.8 (41.3 to 103)	2.77 (-10.6 to 18.6)
10 Breast cancer	9 Pancreatic cancer	99.3 (58.1 to 144)	84.3 (51.8 to 120)	27.2 (6.81 to 50.5)
11 Pancreatic cancer	10 Chronic kidney disease	133 (93.1 to 171)	116 (77 to 150)	22.5 (-0.172 to 46)
12 Falls	11 Urinary diseases	189 (146 to 240)	167 (126 to 219)	49.8 (25.6 to 76.1)
13 Chronic kidney disease	12 Breast cancer	50.4 (25 to 79)	39.1 (19.3 to 62.9)	-6.34 (-18.3 to 7.43)
14 Esophageal cancer	13 Atrial fibrillation	109 (86 to 136)	93.4 (74.7 to 117)	8.61 (0.0549 to 18.7)
15 Atrial fibrillation	14 Falls	69.7 (46.6 to 94.2)	57 (37.3 to 79.7)	-7.91 (-15.6 to 2.36)
16 Cirrhosis liver	15 Nonrheum valv diseases	143 (107 to 176)	125 (97.6 to 152)	26.6 (13.9 to 40.6)
17 Interstitial lung disease	16 Interstitial lung disease	77.9 (56.3 to 102)	64.6 (46.4 to 83.8)	6.3 (-2.89 to 17)
18 Parkinson's disease	17 Parkinson's disease	77 (57.4 to 97.5)	63.8 (48.8 to 81)	2.65 (-6.49 to 11.8)
19 Urinary diseases	18 Other digestive	163 (125 to 208)	144 (111 to 185)	43.6 (24.1 to 68.4)
20 Liver cancer	19 Esophageal cancer	27.1 (12.5 to 39.8)	17.6 (6.67 to 29.8)	-16.2 (-23.3 to -9.3)
21 Nonrheum valv diseases	20 Liver cancer	67.6 (47.6 to 87.8)	55.1 (37.3 to 72.7)	12.2 (0.308 to 23.9)
30 Other digestive	26 Cirrhosis liver			

### Bolivia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Chronic kidney disease	217 (103 to 349)	142 (64.9 to 232)	38.1 (-8.15 to 101)
2 Ischemic heart disease	2 Lower respiratory infect	77.1 (32.4 to 120)	35.5 (5.76 to 66.6)	-21.3 (-37.9 to -1.38)
3 Lower respiratory infect	3 Ischemic heart disease	58.4 (-4.03 to 147)	21.3 (-25.2 to 84.2)	-34.1 (-61.5 to 4.51)
4 Stroke	4 Stroke	49.7 (9.9 to 91.9)	14.6 (-11.8 to 43.6)	-36.2 (-52.2 to -17.3)
5 Chronic kidney disease	5 Diabetes	77.4 (23 to 141)	35.8 (-2.35 to 86.8)	-22 (-46.3 to 6.54)
6 Diabetes	6 Cirrhosis liver	93.6 (58.2 to 137)	48.2 (27.4 to 71.2)	-10.5 (-24.1 to 3.97)
7 Cirrhosis liver	7 COPD	167 (91.7 to 258)	104 (47.5 to 174)	3.9 (-31 to 40.2)
8 Stomach cancer	8 Stomach cancer	59.4 (24.7 to 97.6)	21.9 (2.3 to 45.4)	-30.2 (-38.7 to -20.5)
9 Neonatal disorders	9 Lung cancer	158 (70.8 to 268)	96.9 (39.8 to 171)	12.3 (-17.6 to 49.7)
10 Road injuries	10 Colorectal cancer	151 (53.2 to 279)	92 (24.2 to 184)	8.41 (-27.4 to 53.1)
11 COPD	11 Prostate cancer	196 (87.7 to 347)	126 (48.4 to 229)	16.5 (-12.9 to 55.9)
12 Congenital defects	12 Hypertensive heart disease	161 (72.6 to 264)	99.8 (39.1 to 174)	2.55 (-34 to 45.8)
13 Tuberculosis	13 Alzheimer's disease	212 (115 to 312)	139 (77.4 to 202)	8.08 (4.17 to 11.8)
14 Lung cancer	14 Road injuries	33.1 (-18.8 to 105)	1.99 (-35.8 to 51.2)	-20.8 (-50.8 to 21.6)
15 Colorectal cancer	15 Pancreatic cancer	252 (104 to 478)	169 (64.4 to 326)	52.2 (-7.91 to 132)
16 Cervical cancer	16 Interstitial lung disease	172 (109 to 242)	108 (66.3 to 149)	10.3 (-6.69 to 32)
17 Hypertensive heart disease	17 Breast cancer	112 (46.3 to 201)	62.4 (16.2 to 127)	0.987 (-24.7 to 37.5)
18 Prostate cancer	18 Cervical cancer	65.2 (27.8 to 103)	26.5 (2.36 to 52.8)	-20.7 (-36.3 to -4.67)
19 Alzheimer's disease	19 Urinary diseases	233 (151 to 330)	155 (95.7 to 226)	37.3 (2.06 to 80.3)
20 Breast cancer	20 Falls	91.3 (50.3 to 145)	46.3 (20.2 to 80.6)	-7.45 (-18.7 to 4.97)
21 Interstitial lung disease	24 Neonatal disorders			
22 Falls	27 Tuberculosis			
27 Pancreatic cancer	29 Congenital defects			
36 Urinary diseases	134 COVID-19			

### Ecuador, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	240 (134 to 374)	173 (91.1 to 267)	36.6 (-5.97 to 100)
2 COVID-19	2 Ischemic heart disease	71.7 (8.45 to 143)	37.8 (-10.1 to 94.3)	-35.5 (-60.1 to 1.01)
3 Chronic kidney disease	3 Lower respiratory infect	115 (63.8 to 178)	71.9 (33.9 to 113)	-20.5 (-37.4 to 0.653)
4 Stroke	4 Stroke	60.3 (19.8 to 103)	28.5 (1.3 to 60.8)	-36 (-52 to -16.4)
5 Lower respiratory infect	5 Diabetes	109 (52.3 to 167)	67.5 (24.8 to 115)	-15.8 (-39.4 to 14.5)
6 Diabetes	6 COPD	201 (111 to 311)	142 (75.5 to 214)	0.108 (-30.2 to 39.5)
7 Road injuries	7 Cirrhosis liver	90.8 (55.8 to 123)	53 (35.1 to 72.8)	-12.4 (-21.8 to -0.753)
8 Cirrhosis liver	8 Alzheimer's disease	215 (139 to 305)	152 (103 to 207)	3.58 (-0.129 to 6.91)
9 Stomach cancer	9 Hypertensive heart disease	211 (112 to 330)	149 (72.2 to 236)	7.53 (-30.2 to 61.9)
10 COPD	10 Road injuries	20.9 (-19.7 to 73.8)	-2.9 (-35.4 to 41.8)	-18.2 (-47.3 to 19.7)
11 Alzheimer's disease	11 Stomach cancer	56.4 (21.9 to 97.3)	25.4 (7.26 to 49.3)	-34.4 (-41.1 to -25.7)
12 Hypertensive heart disease	12 Prostate cancer	184 (80.1 to 322)	128 (51.6 to 226)	3.01 (-23 to 33.1)
13 Neonatal disorders	13 Colorectal cancer	170 (65 to 320)	116 (42.2 to 221)	11.8 (-23.8 to 59.3)
14 Prostate cancer	14 Lung cancer	172 (83.9 to 292)	117 (54.7 to 199)	12.4 (-12.9 to 46.9)
15 Colorectal cancer	15 Interstitial lung disease	185 (120 to 265)	128 (83.2 to 177)	4.73 (-10.3 to 21.6)
16 Self-harm	16 Falls	112 (61.8 to 170)	69.9 (40.3 to 105)	-10.5 (-21.2 to 1.79)
17 Interpersonal violence	17 Pancreatic cancer	242 (97.9 to 461)	173 (60.6 to 325)	43 (-11.1 to 117)
18 Lung cancer	18 Breast cancer	118 (49.9 to 204)	74.1 (23.9 to 134)	0.759 (-25.5 to 33)
19 Falls	19 Urinary diseases	279 (172 to 399)	204 (133 to 285)	36.1 (6.72 to 71.3)
20 Congenital defects	20 Atrial fibrillation	272 (172 to 398)	198 (132 to 290)	20 (-2.01 to 42.5)
21 Interstitial lung disease	22 Self-harm			
22 Breast cancer	31 Interpersonal violence			
26 Pancreatic cancer	33 Neonatal disorders			
31 Urinary diseases	41 Congenital defects			
32 Atrial fibrillation	134 COVID-19			

### Peru, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Lower respiratory infect	114 (66.3 to 164)	88.7 (50.3 to 133)	-24.2 (-38.2 to -5.43)
2 COVID-19	2 Chronic kidney disease	275 (156 to 415)	231 (134 to 350)	39.3 (1.79 to 91.3)
3 Ischemic heart disease	3 Ischemic heart disease	66.1 (0.662 to 156)	46.8 (-7.38 to 124)	-40.4 (-61.6 to -5.51)
4 Chronic kidney disease	4 Stroke	50 (14 to 91.5)	32.6 (4.28 to 66.5)	-40.3 (-53.6 to -24.5)
5 Stroke	5 Alzheimer's disease	224 (152 to 301)	187 (133 to 247)	-1.99 (-5.49 to 1.32)
6 Cirrhosis liver	6 Cirrhosis liver	86 (54.3 to 117)	64.4 (40.7 to 85.7)	-13.8 (-25.2 to -1.71)
7 Stomach cancer	7 Interstitial lung disease	192 (139 to 260)	158 (115 to 213)	1.48 (-12.8 to 17.7)
8 Diabetes	8 Diabetes	95.7 (45.4 to 157)	73 (28 to 120)	-24 (-42.3 to -0.629)
9 Road injuries	9 Stomach cancer	56.3 (30.2 to 85.5)	38.1 (16.5 to 60.8)	-37.7 (-44.1 to -30.2)
10 Alzheimer's disease	10 Lung cancer	145 (82.2 to 223)	116 (60.9 to 175)	-1.08 (-23.2 to 23.7)
11 Interstitial lung disease	11 COPD	191 (108 to 309)	157 (89.3 to 250)	-5.31 (-31 to 29.4)
12 Lung cancer	12 Prostate cancer	188 (102 to 309)	154 (81 to 256)	-1.4 (-25.5 to 27.4)
13 Neonatal disorders	13 Colorectal cancer	145 (60.5 to 262)	116 (41 to 214)	-4.39 (-34.4 to 31.1)
14 Colorectal cancer	14 Urinary diseases	274 (179 to 384)	230 (159 to 312)	26.5 (-1.03 to 55.6)
15 COPD	15 Pancreatic cancer	223 (103 to 383)	185 (72.4 to 320)	30.2 (-17.4 to 90)
16 Prostate cancer	16 Road injuries	15 (-23.6 to 70.5)	1.69 (-31.2 to 48.6)	-20.8 (-46.8 to 18)
17 Cervical cancer	17 Hypertensive heart disease	176 (92.9 to 296)	144 (72.2 to 243)	-2.54 (-31.3 to 38.7)
18 Tuberculosis	18 Parkinson's disease	173 (116 to 239)	141 (98.7 to 188)	-8.65 (-21.5 to 6.21)
19 Foreign body	19 Atrial fibrillation	262 (179 to 370)	220 (156 to 309)	14.3 (-3.23 to 37)
20 Breast cancer	20 Breast cancer	89.6 (39.9 to 154)	67.5 (26.2 to 121)	-11 (-30.3 to 11.3)
22 Pancreatic cancer	21 Cervical cancer			
24 Urinary diseases	28 Foreign body			
25 Hypertensive heart disease	34 Tuberculosis			
26 Parkinson's disease	36 Neonatal disorders			
35 Atrial fibrillation	134 COVID-19			

### Antigua and Barbuda, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Chronic kidney disease	148 (68.7 to 243)	147 (80.9 to 243)	19.7 (-18.3 to 81.5)
2 Ischemic heart disease	2 Hypertensive heart disease	164 (87.4 to 262)	163 (90.6 to 248)	13.8 (-23.8 to 69.6)
3 Diabetes	3 Diabetes	65.7 (17.2 to 122)	65.1 (24 to 111)	-23.4 (-44.3 to 6.19)
4 Chronic kidney disease	4 Stroke	31.2 (-0.0512 to 66.9)	30.7 (2.81 to 61.9)	<b>-41.8 (-57.3 to -20.8)</b>
5 Hypertensive heart disease	5 Ischemic heart disease	25 (-23.4 to 86.4)	24.6 (-22.3 to 85.2)	<b>-45 (-68.4 to -9.18)</b>
6 Lower respiratory infect	6 Prostate cancer	148 (53.5 to 257)	147 (62.1 to 249)	0.784 (-26.6 to 34)
7 COVID-19	7 Lower respiratory infect	116 (71.6 to 169)	115 (80.2 to 154)	-13.8 (-32.9 to 14.9)
8 Prostate cancer	8 Alzheimer's disease	204 (134 to 266)	203 (137 to 263)	8.02 (4.11 to 11.9)
9 Breast cancer	9 Breast cancer	97.5 (27.2 to 180)	96.7 (34.5 to 170)	6.71 (-22.4 to 38.9)
10 Colorectal cancer	10 Colorectal cancer	128 (31.2 to 246)	127 (33.3 to 255)	6.71 (-31.1 to 54.3)
11 Cirrhosis liver	11 Endo/metab/blood/immune	148 (104 to 206)	148 (110 to 189)	24.5 (3.57 to 49.7)
12 Alzheimer's disease	12 Lung cancer	108 (34.1 to 184)	107 (42 to 177)	6.33 (-24.5 to 36.8)
13 Stomach cancer	13 Cirrhosis liver	51.7 (26.8 to 79.6)	51.1 (32.9 to 71.4)	-12.2 (-24.1 to 3.18)
14 Lung cancer	14 Urinary diseases	228 (151 to 306)	227 (171 to 302)	39.7 (7.03 to 96.1)
15 Endo/metab/blood/immune	15 COPD	143 (77 to 213)	142 (83.8 to 204)	4.16 (-27.9 to 46)
16 Other cardiovascular	16 Atrial fibrillation	235 (153 to 324)	234 (162 to 325)	18.2 (-0.226 to 44.2)
17 HIV/AIDS	17 Pancreatic cancer	182 (55 to 349)	181 (53.5 to 344)	38.3 (-16.5 to 110)
18 COPD	18 Other cardiovascular	74.1 (41.7 to 109)	73.4 (48 to 106)	<b>-19.3 (-34.3 to -2.61)</b>
19 Alcohol use disorders	19 Parkinson's disease	162 (103 to 232)	161 (114 to 213)	0.212 (-14.8 to 17.3)
20 Cardiomyopathy	20 Stomach cancer	36.1 (8.11 to 63.4)	35.6 (15.3 to 57.9)	<b>-33.9 (-42.8 to -24.3)</b>
21 Pancreatic cancer	22 Cardiomyopathy			
24 Parkinson's disease	23 Alcohol use disorders			
25 Urinary diseases	41 HIV/AIDS			
26 Atrial fibrillation	130 COVID-19			

### The Bahamas, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Hypertensive heart disease	197 (104 to 309)	172 (93.5 to 274)	19.2 (-19.3 to 78.6)
2 Hypertensive heart disease	2 Chronic kidney disease	193 (100 to 315)	168 (92 to 272)	31.5 (-11.2 to 96)
3 Stroke	3 Ischemic heart disease	45 (-9.21 to 120)	32.9 (-15.6 to 104)	<b>-41.1 (-65.2 to -1.37)</b>
4 Chronic kidney disease	4 Stroke	53.5 (12.2 to 96.3)	40.6 (7.62 to 77.3)	<b>-38.7 (-54.1 to -17.2)</b>
5 Diabetes	5 Prostate cancer	176 (79.5 to 319)	152 (68.8 to 287)	-4.62 (-28.6 to 29.6)
6 COVID-19	6 Lower respiratory infect	153 (90.2 to 223)	131 (87.9 to 180)	-10.7 (-30.1 to 13.5)
7 Interpersonal violence	7 Diabetes	69 (22.8 to 123)	54.8 (17.2 to 104)	<b>-28.8 (-48.1 to -2.27)</b>
8 HIV/AIDS	8 Alzheimer's disease	267 (175 to 377)	236 (163 to 308)	3.57 (0.278 to 6.97)
9 Lower respiratory infect	9 Breast cancer	81.9 (22.1 to 171)	66.4 (14.3 to 135)	-8.17 (-33.5 to 22)
10 Prostate cancer	10 Colorectal cancer	119 (27 to 254)	100 (18.7 to 214)	-5.48 (-38.4 to 38.8)
11 Breast cancer	11 Endo/metab/blood/immune	141 (88.8 to 197)	121 (85 to 164)	20.1 (-0.106 to 42.6)
12 Colorectal cancer	12 Urinary diseases	273 (173 to 383)	241 (164 to 322)	37.8 (6.25 to 78.6)
13 Cirrhosis liver	13 Lung cancer	106 (38.6 to 199)	88.7 (29.1 to 168)	-2.07 (-30.1 to 28.6)
14 Lung cancer	14 COPD	179 (99.8 to 275)	155 (92.6 to 232)	3.38 (-25.5 to 40.8)
15 Road injuries	15 Cirrhosis liver	36.6 (11.2 to 61.1)	25.1 (9.02 to 43.2)	<b>-22.5 (-32.1 to -9.91)</b>
16 Endo/metab/blood/immune	16 Atrial fibrillation	301 (195 to 430)	267 (183 to 360)	17 (-2.71 to 37.7)
17 Alzheimer's disease	17 Interpersonal violence	-41.1 (-69.1 to 18.6)	-46 (-71.1 to 5.81)	-39 (-68.6 to 26.2)
18 Cardiomyopathy	18 Road injuries	12 (-32.2 to 77.9)	2.66 (-37.3 to 68.6)	-3.32 (-41.9 to 64.3)
19 COPD	19 Other cardiovascular	87.3 (47.8 to 129)	71.5 (41.7 to 104)	-17.5 (-32.1 to 0.516)
20 Stomach cancer	20 Cardiomyopathy	42.7 (13.3 to 72.9)	30.6 (13.2 to 50.1)	<b>-26.8 (-33.4 to -19.4)</b>
21 Other cardiovascular	25 Stomach cancer			
22 Urinary diseases	29 HIV/AIDS			
29 Atrial fibrillation	130 COVID-19			

### Barbados, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Diabetes	24.1 (-14.8 to 83.8)	41.3 (-0.848 to 107)	-23.6 (-47.3 to 14.3)
2 Stroke	2 Stroke	-3.2 (-30.5 to 33.3)	10.1 (-20.2 to 51.8)	<b>-39.8 (-56.2 to -15.4)</b>
3 Ischemic heart disease	3 Chronic kidney disease	<b>112 (38.3 to 221)</b>	<b>141 (61 to 264)</b>	37 (-7.72 to 116)
4 Diabetes	4 Ischemic heart disease	-1.91 (-40.8 to 60.7)	11.8 (-32.2 to 76.6)	-40.1 (-64.7 to 1.26)
5 Lower respiratory infect	5 Lower respiratory infect	<b>58 (20.5 to 111)</b>	<b>79.8 (37.9 to 130)</b>	-13.2 (-32.4 to 15)
6 Chronic kidney disease	6 Prostate cancer	68 (-1.94 to 152)	<b>90.6 (11.8 to 177)</b>	-1.59 (-31.5 to 31.3)
7 Colorectal cancer	7 Colorectal cancer	54.1 (-13.3 to 148)	74.7 (-1.14 to 166)	0.73 (-36.5 to 45.4)
8 Prostate cancer	8 Urinary diseases	<b>136 (77.5 to 230)</b>	<b>168 (103 to 250)</b>	<b>36.6 (1.64 to 90.1)</b>
9 Breast cancer	9 Hypertensive heart disease	<b>83.4 (23.6 to 166)</b>	<b>109 (39.8 to 206)</b>	13.5 (-25.8 to 69.2)
10 Hypertensive heart disease	10 Alzheimer's disease	<b>96.8 (40.4 to 152)</b>	<b>124 (69 to 175)</b>	2.03 (-2.22 to 5.3)
11 Alzheimer's disease	11 Breast cancer	36 (-14.2 to 96)	54.3 (-1.6 to 121)	-1.85 (-31.7 to 33.7)
12 Urinary diseases	12 Decubitus ulcer	48.8 (-17.1 to 137)	68.9 (-3.88 to 148)	-20 (-44.4 to 6.79)
13 Decubitus ulcer	13 Pancreatic cancer	<b>95.1 (3.54 to 227)</b>	<b>121 (17.9 to 256)</b>	35.2 (-22.3 to 109)
14 Stomach cancer	14 Bacterial skin	<b>211 (87.2 to 447)</b>	<b>254 (110 to 500)</b>	<b>92.1 (7.24 to 239)</b>
15 Lung cancer	15 Atrial fibrillation	<b>147 (67.3 to 240)</b>	<b>181 (103 to 269)</b>	<b>24.3 (2.78 to 47.7)</b>
16 Pancreatic cancer	16 Endo/metab/blood/immune	<b>85 (46.5 to 141)</b>	<b>111 (69.7 to 170)</b>	20.3 (-0.345 to 47.3)
17 COPD	17 Peripheral artery	<b>131 (27.9 to 257)</b>	<b>162 (52.7 to 279)</b>	24.9 (-10.9 to 63.4)
18 Endo/metab/blood/immune	18 Lung cancer	35.5 (-15 to 95.1)	53.8 (-0.4 to 108)	-2.42 (-31.9 to 28.4)
19 Cirrhosis liver	19 COPD	<b>57.9 (12.3 to 129)</b>	<b>79.6 (26.3 to 148)</b>	-5.19 (-35.4 to 40.6)
20 Cardiomyopathy	20 Parkinson's disease	<b>74.2 (33.2 to 131)</b>	<b>98.2 (56.2 to 154)</b>	-2.48 (-18.4 to 12.7)
23 Atrial fibrillation	21 Stomach cancer			
24 Peripheral artery	22 Cardiomyopathy			
25 Parkinson's disease	23 Cirrhosis liver			
31 Bacterial skin	130 COVID-19			



### Belize, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Chronic kidney disease	265 (152 to 403)	146 (71.5 to 255)	28.1 (-14.5 to 93.3)
2 Ischemic heart disease	2 Ischemic heart disease	112 (29.9 to 224)	42.5 (-13.1 to 121)	-34.3 (-62.5 to 13.4)
3 Diabetes	3 Diabetes	119 (55.6 to 200)	47.4 (7.38 to 100)	-26.6 (-48.9 to 5.04)
4 Stroke	4 Stroke	104 (49.2 to 169)	37.4 (3.9 to 77.7)	<b>-36.6 (-55.7 to -12.6)</b>
5 Chronic kidney disease	5 Lower respiratory infect	143 (87.6 to 206)	63.1 (30.2 to 103)	<b>-22.8 (-40.8 to -0.161)</b>
6 Lower respiratory infect	6 Hypertensive heart disease	224 (132 to 347)	118 (52.1 to 209)	0.814 (-31.2 to 50.9)
7 Interpersonal violence	7 COPD	192 (113 to 283)	96.1 (46.5 to 166)	-12.6 (-39 to 21.2)
8 HIV/AIDS	8 Cirrhosis liver	127 (88.3 to 169)	52.7 (31.9 to 76.2)	-10.2 (-22.8 to 6.94)
9 Hypertensive heart disease	9 Alzheimer's disease	302 (197 to 398)	170 (109 to 224)	0.738 (-2.44 to 4.08)
10 Cirrhosis liver	10 Prostate cancer	229 (90.2 to 396)	120 (40.2 to 226)	-7.94 (-35 to 26.4)
11 Road injuries	11 Road injuries	64.8 (1.08 to 171)	10.9 (-30.5 to 83.1)	-0.79 (-39.3 to 68.2)
12 COPD	12 Lung cancer	191 (87.1 to 308)	95 (29.2 to 166)	1.48 (-28.8 to 34.2)
13 Neonatal disorders	13 Interpersonal violence	7.34 (-40 to 93.4)	-28.2 (-59.5 to 26.3)	-28 (-60 to 27.6)
14 Prostate cancer	14 Colorectal cancer	213 (77.1 to 373)	110 (21.9 to 225)	4.24 (-31.3 to 52.1)
15 Alzheimer's disease	15 Urinary diseases	299 (208 to 398)	168 (118 to 224)	26.2 (-2.45 to 65.5)
16 Lung cancer	16 Pancreatic cancer	336 (132 to 589)	192 (58.6 to 380)	48.3 (-14.5 to 130)
17 Cervical cancer	17 HIV/AIDS	-15.2 (-60.1 to 59)	-43.1 (-72.7 to 2.45)	<b>-53 (-77.6 to -13.9)</b>
18 Stomach cancer	18 Endo/metab/blood/immune	182 (129 to 240)	89.5 (63.1 to 125)	16.8 (-2.57 to 43.3)
19 Colorectal cancer	19 Cervical cancer	105 (62.9 to 165)	37.8 (10.7 to 69.5)	-15.6 (-31.9 to 6.94)
20 Endo/metab/blood/immune	20 Breast cancer	169 (81.2 to 280)	80.2 (25.8 to 146)	3.62 (-24.4 to 37.1)
21 Breast cancer	21 Stomach cancer			
26 Urinary diseases	28 Neonatal disorders			
27 Pancreatic cancer	132 COVID-19			

### Bermuda, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	7.26 (-38.7 to 69.7)	29 (-23.1 to 97.6)	<b>-51.3 (-68.8 to -19.2)</b>
2 Stroke	2 Alzheimer's disease	<b>150 (90.2 to 209)</b>	<b>200 (142 to 256)</b>	<b>-7.02 (-10.3 to -3.19)</b>
<b>3 COVID-19</b>	3 Chronic kidney disease	<b>132 (45 to 252)</b>	<b>179 (86.7 to 314)</b>	12.3 (-21.7 to 66.1)
4 Lung cancer	4 Prostate cancer	<b>87.5 (19.8 to 156)</b>	<b>125 (50.9 to 210)</b>	-5.43 (-29.8 to 21.1)
5 Prostate cancer	5 Colorectal cancer	<b>73.8 (2.76 to 161)</b>	<b>109 (28.1 to 204)</b>	-10.6 (-39.8 to 24.5)
6 Alzheimer's disease	6 Stroke	-5.28 (-35 to 31.2)	13.8 (-19.3 to 54.5)	<b>-53.8 (-64.1 to -37.5)</b>
7 Colorectal cancer	7 Lung cancer	38 (-3.51 to 87.5)	<b>65.8 (16.7 to 121)</b>	-15 (-37.1 to 7.89)
8 Diabetes	<b>8 Lower respiratory infect</b>	<b>103 (46.6 to 164)</b>	<b>143 (85.5 to 208)</b>	-18.3 (-34.7 to 1.98)
9 Chronic kidney disease	9 Diabetes	27.9 (-11.2 to 72.8)	<b>53.7 (6.38 to 107)</b>	<b>-36.8 (-53.6 to -15.3)</b>
<b>10 Lower respiratory infect</b>	10 Hypertensive heart disease	<b>115 (34.8 to 222)</b>	<b>159 (63.8 to 273)</b>	0.625 (-33.5 to 48.4)
11 Breast cancer	11 COPD	<b>95.3 (34.4 to 170)</b>	<b>135 (66.7 to 225)</b>	-10.3 (-31.8 to 24)
12 Hypertensive heart disease	12 Pancreatic cancer	<b>112 (11.2 to 237)</b>	<b>154 (38.2 to 303)</b>	19.1 (-26.1 to 77.2)
13 COPD	13 Breast cancer	51.3 (-4.72 to 124)	<b>81.7 (18 to 165)</b>	-19 (-40.3 to 8.62)
14 Pancreatic cancer	14 Atrial fibrillation	<b>195 (116 to 286)</b>	<b>254 (173 to 355)</b>	6.7 (-10.2 to 27)
15 Other cardiovascular	15 Endo/metab/blood/immune	<b>133 (72.6 to 208)</b>	<b>180 (112 to 256)</b>	9.91 (-6.77 to 32.5)
16 Cardiomyopathy	16 Other cardiovascular	<b>65 (23.7 to 122)</b>	<b>98.4 (54.9 to 158)</b>	<b>-25.8 (-37.9 to -9.54)</b>
17 Cirrhosis liver	17 Nonrheum valv diseases	<b>119 (71.2 to 176)</b>	<b>163 (109 to 221)</b>	2.56 (-11 to 17.1)
18 Endo/metab/blood/immune	18 Peripheral artery	<b>175 (78.2 to 284)</b>	<b>230 (117 to 339)</b>	6.1 (-17.4 to 32.6)
19 Atrial fibrillation	19 Parkinson's disease	<b>92 (43.1 to 138)</b>	<b>131 (79.7 to 178)</b>	-11.1 (-27.1 to 4.06)
20 Stomach cancer	20 Urinary diseases	<b>210 (120 to 308)</b>	<b>273 (174 to 398)</b>	<b>26.9 (0.132 to 61.7)</b>
23 Parkinson's disease	22 Cardiomyopathy			
24 Nonrheum valv diseases	27 Cirrhosis liver			
30 Peripheral artery	28 Stomach cancer			
35 Urinary diseases	128 COVID-19			

### Cuba, Reference scenario

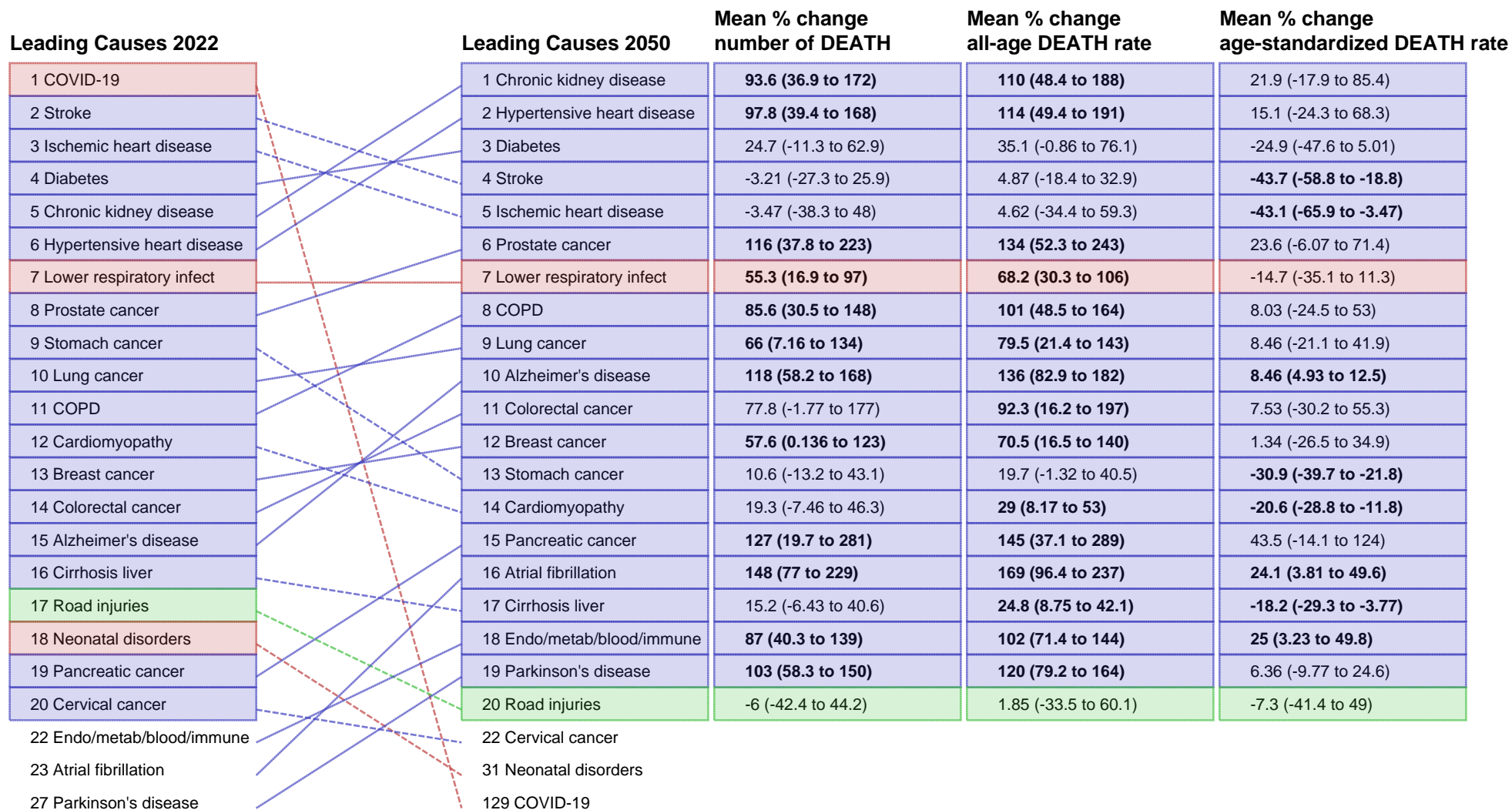
**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	10.1 (-29.6 to 56.8)	32.1 (-12 to 87.4)	<b>-41.2 (-61.7 to -8.79)</b>
2 Stroke	2 Lower respiratory infect	<b>55.3 (22.7 to 94.5)</b>	<b>85.9 (53.9 to 127)</b>	<b>-23.3 (-38 to -2.73)</b>
3 Lower respiratory infect	3 Stroke	3.55 (-21.2 to 30.4)	24.2 (-5.21 to 53.6)	<b>-43.9 (-56.6 to -27.9)</b>
4 Lung cancer	4 Lung cancer	35 (-6.68 to 84.1)	<b>61.3 (18.2 to 110)</b>	-10.2 (-30.2 to 13.4)
5 COPD	5 Falls	<b>104 (52.1 to 157)</b>	<b>145 (94.8 to 203)</b>	-2.42 (-16.6 to 14.3)
6 Falls	6 Alzheimer's disease	<b>124 (73.4 to 173)</b>	<b>168 (120 to 212)</b>	-2.55 (-6.19 to 0.604)
7 Prostate cancer	7 COPD	<b>55.7 (16.2 to 99.8)</b>	<b>86.6 (38.5 to 138)</b>	-13.9 (-36.3 to 14)
8 Colorectal cancer	8 Chronic kidney disease	<b>105 (50 to 178)</b>	<b>146 (82.2 to 225)</b>	19.6 (-12.1 to 67)
9 Alzheimer's disease	9 Prostate cancer	<b>83.4 (22.6 to 160)</b>	<b>119 (49.1 to 199)</b>	-3.64 (-26.4 to 21.9)
10 Chronic kidney disease	10 Hypertensive heart disease	<b>101 (42.5 to 168)</b>	<b>141 (69.2 to 233)</b>	12.3 (-19.5 to 58.2)
11 Hypertensive heart disease	11 Colorectal cancer	<b>75.7 (11.5 to 169)</b>	<b>110 (42.7 to 207)</b>	0.688 (-26.4 to 39.8)
12 Cirrhosis liver	12 Breast cancer	<b>53.1 (2.12 to 106)</b>	<b>83 (26.6 to 143)</b>	-2.25 (-25.6 to 22.6)
13 Diabetes	13 Atrial fibrillation	<b>161 (87.6 to 241)</b>	<b>212 (138 to 295)</b>	13 (-8.87 to 35)
14 Breast cancer	14 Diabetes	31.9 (-1.51 to 70.6)	<b>58.1 (19.4 to 98.2)</b>	<b>-25.9 (-43.5 to -3.35)</b>
15 Self-harm	15 Cirrhosis liver	1.13 (-15.2 to 20.2)	<b>21.1 (8 to 37.5)</b>	-8.43 (-18.4 to 2.88)
16 Cardiomyopathy	16 Pancreatic cancer	<b>96.4 (19.3 to 200)</b>	<b>135 (45.1 to 259)</b>	28.3 (-16.6 to 83.2)
17 Atrial fibrillation	17 Parkinson's disease	<b>96.3 (54 to 147)</b>	<b>135 (91.3 to 185)</b>	-3.99 (-18.8 to 11.5)
18 Pancreatic cancer	18 Self-harm	2.17 (-17.7 to 24.7)	<b>22.4 (2.57 to 44.3)</b>	-11.2 (-26.1 to 5.88)
19 Road injuries	19 Peripheral artery	<b>123 (55.7 to 199)</b>	<b>166 (95.5 to 240)</b>	8.35 (-10.6 to 28.7)
20 Stomach cancer	20 Cardiomyopathy	15.5 (-8.72 to 44.8)	<b>38.1 (14.2 to 67.4)</b>	<b>-20 (-31.8 to -4.93)</b>
22 Parkinson's disease	22 Road injuries			
32 Peripheral artery	27 Stomach cancer			

### Dominica, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries



### Dominican Republic, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	49.6 (-8.52 to 124)	30 (-17.4 to 93.1)	-38 (-63.7 to 0.0948)
2 Stroke	2 Stroke	<b>42.2 (5.53 to 81.4)</b>	23.5 (-3.59 to 52)	<b>-39.2 (-53.6 to -22.4)</b>
3 Neonatal disorders	3 Chronic kidney disease	<b>193 (96.6 to 307)</b>	<b>154 (81.7 to 242)</b>	30.7 (-8.78 to 86.6)
4 Diabetes	4 Diabetes	<b>99.2 (41 to 164)</b>	<b>73.1 (28.3 to 123)</b>	-12.8 (-38.2 to 18.5)
5 Cirrhosis liver	5 Alzheimer's disease	<b>214 (128 to 297)</b>	<b>173 (106 to 244)</b>	<b>3.58 (0.307 to 7.52)</b>
6 Chronic kidney disease	6 Hypertensive heart disease	<b>148 (63.5 to 250)</b>	<b>116 (55 to 199)</b>	1.88 (-29.5 to 49)
7 Road injuries	7 Cirrhosis liver	<b>68.5 (36.7 to 100)</b>	<b>46.4 (29.6 to 67.5)</b>	<b>-16 (-27.1 to -2.44)</b>
8 Lower respiratory infect	8 Prostate cancer	<b>174 (69.1 to 321)</b>	<b>138 (52.2 to 261)</b>	2.57 (-25.3 to 33.9)
9 Hypertensive heart disease	9 Lower respiratory infect	<b>89.7 (44 to 150)</b>	<b>64.8 (29.1 to 108)</b>	<b>-24.3 (-37.7 to -6.84)</b>
10 Interpersonal violence	10 Lung cancer	<b>141 (61.4 to 230)</b>	<b>109 (42.4 to 189)</b>	8.73 (-18.9 to 41.4)
11 Alzheimer's disease	11 COPD	<b>106 (40 to 175)</b>	<b>79.1 (30.2 to 143)</b>	-20.4 (-45 to 13.7)
12 Lung cancer	12 Road injuries	4.59 (-35.5 to 56.1)	-9.28 (-40 to 35.3)	-19.5 (-48.3 to 23.9)
13 Prostate cancer	13 Colorectal cancer	<b>164 (51.9 to 308)</b>	<b>130 (41.4 to 253)</b>	13.6 (-23.5 to 59.8)
14 COPD	14 Pancreatic cancer	<b>236 (85.5 to 428)</b>	<b>192 (66.1 to 357)</b>	50.7 (-4.52 to 126)
15 COVID-19	15 Breast cancer	<b>129 (50.7 to 224)</b>	<b>99.1 (36.2 to 175)</b>	10.4 (-18 to 45.8)
16 Colorectal cancer	16 Atrial fibrillation	<b>259 (142 to 372)</b>	<b>212 (124 to 303)</b>	<b>20.3 (0.192 to 44.1)</b>
17 Breast cancer	17 Neonatal disorders	<b>-44.7 (-63.3 to -23.6)</b>	<b>-52.1 (-62.6 to -37.3)</b>	<b>-26.4 (-41.9 to -7.29)</b>
18 HIV/AIDS	18 Interpersonal violence	-34.2 (-63.1 to 11)	<b>-42.7 (-65 to -1.44)</b>	-40 (-63.8 to 3.87)
19 Stomach cancer	19 Parkinson's disease	<b>167 (101 to 237)</b>	<b>132 (86.3 to 186)</b>	-1.48 (-15.3 to 13.4)
20 Tuberculosis	20 Endo/metab/blood/immune	<b>92.4 (45.2 to 145)</b>	<b>67.3 (33.5 to 109)</b>	3.41 (-13.7 to 21.9)
23 Pancreatic cancer	21 Stomach cancer			
24 Endo/metab/blood/immune	39 Tuberculosis			
28 Atrial fibrillation	58 HIV/AIDS			
29 Parkinson's disease	132 COVID-19			

### Grenada, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	110 (40.6 to 189)	133 (57.3 to 226)	20.7 (-20.9 to 78.9)
2 Diabetes	2 Diabetes	45.4 (5.05 to 95.6)	61.2 (16.5 to 118)	-21.9 (-48 to 11.9)
3 Stroke	3 Ischemic heart disease	8.06 (-34.4 to 64.9)	20 (-25.5 to 83.4)	-41.7 (-67 to 1.45)
4 COVID-19	4 Stroke	11.4 (-17.4 to 44.2)	23.4 (-6.52 to 56.9)	<b>-43.3 (-60.4 to -17.6)</b>
5 Chronic kidney disease	5 Lower respiratory infect	77.3 (39.8 to 117)	96.2 (58.9 to 133)	-17 (-36.7 to 9.09)
6 Lower respiratory infect	6 Prostate cancer	149 (49.4 to 270)	174 (72.6 to 304)	29.5 (-8.57 to 77.3)
7 Hypertensive heart disease	7 Hypertensive heart disease	107 (48.7 to 179)	129 (62.2 to 217)	5.53 (-30.3 to 62.9)
8 Prostate cancer	8 Colorectal cancer	99.9 (13.9 to 227)	120 (27.6 to 232)	8.54 (-31.8 to 53.8)
9 Breast cancer	9 Breast cancer	65.9 (6.41 to 139)	82.9 (19.4 to 165)	0.401 (-28.6 to 35.3)
10 Colorectal cancer	10 Alzheimer's disease	155 (87.9 to 231)	182 (117 to 253)	-0.237 (-4.31 to 4.22)
11 Cirrhosis liver	11 Pancreatic cancer	156 (34.1 to 334)	181 (53.3 to 372)	46.1 (-13.5 to 129)
12 Cardiomyopathy	12 COPD	97.2 (47.7 to 161)	119 (61.5 to 185)	2.62 (-33 to 43.5)
13 COPD	13 Lung cancer	79.3 (11.6 to 170)	97.5 (23.6 to 180)	7.1 (-27.2 to 46.4)
14 Lung cancer	14 Bacterial skin	243 (91 to 466)	281 (109 to 538)	84.1 (-6.52 to 256)
15 Alzheimer's disease	15 Cirrhosis liver	26.9 (3.76 to 53.4)	40.5 (19.3 to 65)	-13.1 (-27.2 to 3.41)
16 Lymphoma	16 Endo/metab/blood/immune	93.9 (58.7 to 133)	115 (79.5 to 157)	18.1 (-3.84 to 44.4)
17 Pancreatic cancer	17 Cardiomyopathy	28.5 (1.18 to 63.4)	42 (22 to 69.9)	<b>-23.3 (-30.7 to -14.1)</b>
18 Endo/metab/blood/immune	18 Lymphoma	50 (0.107 to 110)	65.3 (16.2 to 124)	-1.81 (-27.6 to 27.1)
19 Cervical cancer	19 Atrial fibrillation	195 (115 to 293)	225 (145 to 317)	<b>18.4 (1.87 to 39.5)</b>
20 Neonatal disorders	20 Falls	103 (45.1 to 186)	124 (69.4 to 186)	0.856 (-14 to 17.5)
23 Falls	25 Cervical cancer			
27 Bacterial skin	50 Neonatal disorders			
30 Atrial fibrillation	130 COVID-19			

### Guyana, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	-3.41 (-30.5 to 30.8)	19.6 (-13.3 to 62.7)	<b>-52.8 (-64.3 to -36.3)</b>
2 Ischemic heart disease	2 Ischemic heart disease	-16.1 (-49.4 to 30.8)	4.17 (-33.9 to 60.8)	<b>-58.1 (-74.7 to -31.7)</b>
3 Stroke	3 Hypertensive heart disease	<b>87.4 (26 to 166)</b>	<b>132 (59 to 233)</b>	-8.93 (-36.9 to 32)
4 Diabetes	4 Diabetes	15.1 (-21.5 to 64.5)	<b>42.5 (1.65 to 101)</b>	<b>-37.5 (-53.9 to -14.9)</b>
5 Chronic kidney disease	5 Chronic kidney disease	<b>63 (7.66 to 135)</b>	<b>102 (38.1 to 196)</b>	-3.99 (-33.8 to 39)
6 Hypertensive heart disease	6 Lower respiratory infect	<b>67.6 (21.2 to 126)</b>	<b>107 (54.4 to 180)</b>	<b>-22 (-37.4 to -1.06)</b>
7 Lower respiratory infect	7 Prostate cancer	<b>141 (47.8 to 260)</b>	<b>198 (93 to 343)</b>	1.35 (-24.7 to 31.1)
8 Self-harm	8 Cirrhosis liver	4.66 (-20.1 to 30.2)	<b>29.2 (9.09 to 53.1)</b>	<b>-18.4 (-29.6 to -5.33)</b>
9 Cirrhosis liver	9 Alzheimer's disease	<b>251 (139 to 378)</b>	<b>334 (204 to 459)</b>	1.2 (-2.38 to 4.37)
10 Neonatal disorders	10 Self-harm	-17 (-39.6 to 13.1)	2.25 (-21.6 to 27.3)	-10.3 (-31.2 to 11.8)
11 HIV/AIDS	11 Colorectal cancer	<b>94.3 (8.12 to 197)</b>	<b>139 (47.5 to 255)</b>	7.43 (-28.3 to 51.9)
12 Interpersonal violence	12 Breast cancer	<b>56.7 (0.958 to 118)</b>	<b>93.2 (37.1 to 164)</b>	8.26 (-20.7 to 46.6)
13 Prostate cancer	13 COPD	<b>77.5 (25.2 to 147)</b>	<b>120 (54 to 201)</b>	-15.7 (-39.2 to 13.3)
14 Road injuries	14 Falls	<b>99.7 (35.2 to 182)</b>	<b>146 (80.7 to 246)</b>	-10.4 (-23.1 to 4.85)
15 Breast cancer	15 Endo/metab/blood/immune	<b>64.9 (24.3 to 115)</b>	<b>104 (65.8 to 149)</b>	15.8 (-3.02 to 35.6)
16 Colorectal cancer	16 Pancreatic cancer	<b>174 (47.9 to 340)</b>	<b>237 (93 to 443)</b>	<b>61.6 (0.12 to 149)</b>
17 Cardiomyopathy	17 Cardiomyopathy	18.3 (-9.78 to 48.1)	<b>46 (22.1 to 75.6)</b>	<b>-22.4 (-29.1 to -15.5)</b>
18 Malaria	18 Lung cancer	<b>82.9 (14.5 to 159)</b>	<b>126 (54.7 to 204)</b>	14.1 (-15.6 to 45.9)
19 COPD	19 Interpersonal violence	<b>-45.8 (-70.5 to -11.6)</b>	-33.5 (-57.6 to 3.28)	-31.5 (-56.7 to 10.9)
20 Endo/metab/blood/immune	20 Urinary diseases	<b>148 (78.8 to 234)</b>	<b>207 (126 to 324)</b>	18.8 (-8.13 to 51)
21 Falls	21 Road injuries			
22 Alzheimer's disease	24 Neonatal disorders			
27 Lung cancer	26 Malaria			
33 Urinary diseases	38 HIV/AIDS			
34 Pancreatic cancer	132 COVID-19			

### Haiti, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	69.7 (-2.5 to 162)	35.3 (-17.7 to 111)	-32.8 (-63.3 to 18.5)
2 Stroke	2 Stroke	<b>49.9 (0.643 to 107)</b>	19.4 (-11 to 58.6)	<b>-39.5 (-59.5 to -9.16)</b>
3 Nature disaster	3 Nature disaster	inf (-100 to nan)	inf (-100 to nan)	inf (-100 to nan)
4 Lower respiratory infect	4 Diabetes	<b>76.2 (15.2 to 164)</b>	40.4 (-5.83 to 97)	-26.3 (-53.9 to 13.3)
5 Neonatal disorders	5 Lower respiratory infect	2.39 (-27.3 to 39.2)	-18.5 (-36.3 to 4.55)	<b>-38.2 (-53.8 to -20.9)</b>
6 Diabetes	6 Chronic kidney disease	<b>163 (68.7 to 280)</b>	<b>110 (44.4 to 211)</b>	18.5 (-24.7 to 83.8)
7 HIV/AIDS	7 Hypertensive heart disease	<b>146 (62.2 to 247)</b>	<b>96.2 (39.6 to 172)</b>	-8.65 (-43.2 to 36.9)
8 Diarrheal diseases	8 Cirrhosis liver	<b>54.2 (16.2 to 97.4)</b>	<b>22.9 (2.35 to 51.2)</b>	<b>-28.2 (-42 to -10.8)</b>
9 Congenital defects	9 Prostate cancer	<b>210 (68.1 to 397)</b>	<b>146 (44.1 to 284)</b>	1.42 (-26.1 to 38.3)
10 Road injuries	10 COPD	<b>81.5 (23.2 to 156)</b>	<b>44.6 (5.83 to 96)</b>	<b>-33.7 (-54.9 to -4.69)</b>
11 Interpersonal violence	11 Road injuries	1.04 (-44.3 to 78.8)	-19.5 (-52.3 to 36.1)	-24.9 (-55.3 to 27)
12 Cirrhosis liver	12 Neonatal disorders	<b>-51.8 (-70.1 to -24.6)</b>	<b>-61.7 (-73.8 to -45.4)</b>	<b>-37.8 (-54.9 to -12.8)</b>
13 COVID-19	13 Diarrheal diseases	-39.1 (-69.9 to 9.04)	<b>-51.5 (-74 to -14.9)</b>	<b>-45.3 (-70.2 to -1.87)</b>
14 Chronic kidney disease	14 Colorectal cancer	<b>160 (35.4 to 336)</b>	<b>107 (19.3 to 248)</b>	4.31 (-33.8 to 58.3)
15 Hypertensive heart disease	15 Breast cancer	<b>112 (26.1 to 224)</b>	<b>68.4 (8.16 to 149)</b>	0.237 (-32.2 to 38.7)
16 COPD	16 Interpersonal violence	-22.4 (-57 to 34.3)	-38.3 (-63.1 to 6.5)	-39.3 (-63.6 to 5.11)
17 Tuberculosis	17 Congenital defects	<b>-41.4 (-57.8 to -20.6)</b>	<b>-53.4 (-62.5 to -42.7)</b>	<b>-30 (-40 to -17.2)</b>
18 Drowning	18 Cervical cancer	<b>46.8 (8.05 to 96.8)</b>	17.1 (-7.41 to 48.3)	<b>-25 (-41.6 to -5.14)</b>
19 Maternal disorders	19 Stomach cancer	<b>54.4 (16.2 to 99.5)</b>	<b>23 (2.61 to 49.7)</b>	<b>-36.2 (-43.6 to -28.2)</b>
20 Pertussis	20 Alzheimer's disease	<b>237 (103 to 404)</b>	<b>168 (78.3 to 280)</b>	2.14 (-1.18 to 5.07)
21 Cervical cancer	26 HIV/AIDS			
22 Stomach cancer	28 Tuberculosis			
23 Prostate cancer	30 Drowning			
24 Breast cancer	39 Maternal disorders			
27 Colorectal cancer	46 Pertussis			
36 Alzheimer's disease	131 COVID-19			



### Jamaica, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Diabetes	<b>71.2 (20.4 to 140)</b>	<b>89.8 (36.3 to 157)</b>	-13.8 (-38.5 to 20.7)
2 Diabetes	2 Stroke	24.2 (-5.89 to 67.2)	<b>37.7 (5.63 to 82.2)</b>	<b>-35.7 (-51 to -9.19)</b>
3 COVID-19	3 Chronic kidney disease	<b>143 (63.1 to 252)</b>	<b>170 (86.7 to 288)</b>	34 (-7.6 to 100)
4 Ischemic heart disease	4 Hypertensive heart disease	<b>118 (47.6 to 217)</b>	<b>142 (66 to 238)</b>	16 (-21.1 to 73.1)
5 Hypertensive heart disease	5 Ischemic heart disease	30 (-23.8 to 111)	44.2 (-10.7 to 138)	-33.3 (-58.8 to 12.7)
6 Chronic kidney disease	6 Prostate cancer	<b>108 (33.3 to 193)</b>	<b>130 (52.4 to 222)</b>	0.678 (-25.9 to 29.2)
7 Prostate cancer	7 Alzheimer's disease	<b>110 (45.5 to 184)</b>	<b>132 (73.7 to 192)</b>	3.35 (-0.209 to 6.82)
8 Interpersonal violence	8 Colorectal cancer	<b>97.5 (19.7 to 196)</b>	<b>118 (35.7 to 222)</b>	3.93 (-32.2 to 43.3)
9 Alzheimer's disease	9 Lung cancer	<b>85.4 (18.8 to 160)</b>	<b>105 (35.6 to 189)</b>	-0.354 (-29.5 to 29.3)
10 Lung cancer	10 Breast cancer	<b>72.2 (18.2 to 132)</b>	<b>90.6 (33.2 to 159)</b>	0.707 (-26 to 30.1)
11 Colorectal cancer	11 COPD	<b>70.6 (21.8 to 152)</b>	<b>89.1 (41.2 to 167)</b>	-13.9 (-35.2 to 24.2)
12 COPD	12 Lower respiratory infect	<b>47.8 (9.71 to 101)</b>	<b>63.8 (25.1 to 109)</b>	<b>-24.6 (-40.1 to -1.11)</b>
13 Breast cancer	13 Urinary diseases	<b>171 (95.2 to 274)</b>	<b>200 (127 to 294)</b>	<b>35.4 (5.09 to 83.5)</b>
14 Lower respiratory infect	14 Interpersonal violence	<b>-39 (-60.8 to -3.03)</b>	-32.6 (-54.7 to 5.69)	<b>-39.7 (-59.8 to -6.55)</b>
15 HIV/AIDS	15 Atrial fibrillation	<b>142 (65.6 to 228)</b>	<b>167 (101 to 247)</b>	<b>16.8 (0.678 to 40)</b>
16 Neonatal disorders	16 Pancreatic cancer	<b>159 (51.4 to 315)</b>	<b>186 (68.7 to 345)</b>	37.9 (-16.1 to 109)
17 Stomach cancer	17 Stomach cancer	23.7 (-1.39 to 59.2)	<b>37.1 (15.2 to 68)</b>	<b>-34.3 (-42.2 to -25)</b>
18 Cervical cancer	18 Parkinson's disease	<b>112 (62.7 to 184)</b>	<b>134 (87.6 to 195)</b>	0.683 (-13.9 to 16.5)
19 Urinary diseases	19 Cervical cancer	<b>30.6 (2.41 to 64.2)</b>	<b>44.7 (20.3 to 75.4)</b>	-18.3 (-33.6 to 0.916)
20 Atrial fibrillation	20 Decubitus ulcer	61.8 (-4.04 to 141)	<b>78.8 (7.29 to 160)</b>	-20.4 (-40 to 1.64)
22 Decubitus ulcer	37 HIV/AIDS			
25 Parkinson's disease	44 Neonatal disorders			
26 Pancreatic cancer	130 COVID-19			

### Puerto Rico, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	91.6 (40.8 to 163)	169 (95.8 to 269)	14.4 (-13.6 to 53.2)
2 Diabetes	2 Alzheimer's disease	109 (66.2 to 158)	193 (140 to 257)	-6.23 (-8.89 to -3.4)
3 Chronic kidney disease	3 Ischemic heart disease	-19.9 (-45.6 to 15.4)	12.6 (-23.6 to 59.2)	-53.5 (-67.3 to -33.7)
4 COVID-19	4 Diabetes	-5.05 (-25 to 21.8)	33.4 (1.18 to 68.6)	-40.8 (-53.1 to -25.2)
5 Alzheimer's disease	5 COPD	79.8 (36 to 127)	153 (79 to 224)	-3.97 (-26 to 23.1)
6 Stroke	6 Hypertensive heart disease	74.6 (19.9 to 136)	145 (71.1 to 235)	2.86 (-23.4 to 39.2)
7 COPD	7 Lower respiratory infect	46.4 (8.69 to 87.4)	106 (54.4 to 169)	-19.3 (-33.8 to -1.39)
8 Lower respiratory infect	8 Colorectal cancer	29.6 (-15.1 to 84)	81.7 (27 to 152)	-11.2 (-35.5 to 17.4)
9 Colorectal cancer	9 Endo/metab/blood/immune	86.5 (48.8 to 136)	162 (109 to 224)	14.2 (1.63 to 30)
10 Hypertensive heart disease	10 Stroke	-18.6 (-34.7 to -0.187)	14.3 (-7.41 to 41.1)	-49 (-57.9 to -37.6)
11 Cirrhosis liver	11 Urinary diseases	157 (90.4 to 234)	261 (165 to 379)	31.1 (4.4 to 60.1)
12 Prostate cancer	12 Prostate cancer	50.1 (1.67 to 107)	110 (49.2 to 198)	-8.02 (-26.4 to 12)
13 Lung cancer	13 Lung cancer	30.1 (-4.86 to 70.4)	82.5 (44.1 to 140)	-5.16 (-22.1 to 15.8)
14 Endo/metab/blood/immune	14 Atrial fibrillation	115 (61.9 to 176)	201 (132 to 278)	5.22 (-10.5 to 26.2)
15 Interpersonal violence	15 Bacterial skin	207 (102 to 362)	332 (176 to 546)	75.2 (17.7 to 166)
16 Breast cancer	16 Pancreatic cancer	60.8 (3.8 to 129)	125 (51.8 to 223)	18.9 (-14.7 to 67)
17 Pancreatic cancer	17 Cirrhosis liver	-8.94 (-21.4 to 5.72)	27.8 (12 to 44.5)	-20.7 (-28.6 to -13.3)
18 Urinary diseases	18 Breast cancer	15.8 (-16.9 to 56.8)	62.3 (22.9 to 115)	-13.3 (-28.1 to 5.67)
19 Atrial fibrillation	19 Parkinson's disease	48.1 (17.1 to 80.9)	108 (67.1 to 160)	-8.95 (-21.6 to 6.22)
20 Parkinson's disease	20 Falls	52.1 (11.9 to 97.7)	113 (65.1 to 180)	-16.1 (-27 to -2.3)
21 Falls	38 Interpersonal violence			
26 Bacterial skin	129 COVID-19			

### Saint Kitts and Nevis, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Chronic kidney disease	142 (55.3 to 257)	174 (94.2 to 294)	11.2 (-24.9 to 71.6)
2 Ischemic heart disease	2 Stroke	21.3 (-14.9 to 66.6)	37.5 (1.11 to 82.1)	<b>-51.3 (-66.3 to -27.6)</b>
3 Chronic kidney disease	3 Ischemic heart disease	15.9 (-34.6 to 80.1)	31.5 (-22.3 to 99.1)	<b>-51.8 (-73.5 to -19.6)</b>
4 COVID-19	4 Prostate cancer	192 (74.2 to 359)	231 (106 to 382)	5.3 (-28.8 to 41.6)
5 Diabetes	5 Diabetes	58.6 (4.43 to 126)	79.7 (25.9 to 147)	-30.6 (-52.4 to 2.15)
6 Lower respiratory infect	6 Hypertensive heart disease	165 (74.6 to 285)	201 (103 to 309)	4.62 (-33 to 62.7)
7 Prostate cancer	7 Lower respiratory infect	120 (64.7 to 197)	149 (102 to 212)	-20.2 (-39.1 to 6.86)
8 Hypertensive heart disease	8 Colorectal cancer	117 (22.3 to 245)	146 (43.9 to 268)	-2.33 (-37 to 41.9)
9 HIV/AIDS	9 COPD	140 (61.5 to 240)	172 (101 to 268)	-4.43 (-33 to 42.2)
10 Cirrhosis liver	10 Alzheimer's disease	237 (141 to 352)	281 (199 to 366)	2.43 (-1.13 to 6.24)
11 Breast cancer	11 Breast cancer	83.3 (15.8 to 172)	107 (37.9 to 187)	-5.29 (-30.9 to 25)
12 Alcohol use disorders	12 Urinary diseases	233 (143 to 358)	277 (192 to 420)	32.9 (-3.89 to 91.2)
13 Colorectal cancer	13 Cirrhosis liver	19.3 (-6.35 to 51)	35.2 (14.5 to 57.1)	<b>-26.8 (-37.6 to -14.5)</b>
14 COPD	14 Pancreatic cancer	185 (46.1 to 396)	222 (72.8 to 446)	34.1 (-24.2 to 113)
15 Interpersonal violence	15 Parkinson's disease	211 (130 to 290)	252 (185 to 320)	-1.66 (-17.3 to 15.3)
16 Cardiomyopathy	16 Lung cancer	84.7 (20.4 to 178)	109 (36.6 to 196)	-5.59 (-33.3 to 27.4)
17 Lung cancer	17 Atrial fibrillation	278 (155 to 413)	328 (219 to 444)	10.4 (-8.13 to 33.1)
18 Alzheimer's disease	18 Alcohol use disorders	5.48 (-21.7 to 46)	19.5 (-6.4 to 58.1)	-18.9 (-35.9 to 5.81)
19 Urinary diseases	19 Cardiomyopathy	43.4 (9.84 to 84.7)	62.3 (34.8 to 97.6)	<b>-29 (-36.1 to -22.2)</b>
20 Stomach cancer	20 Endo/metab/blood/immune	136 (70.5 to 218)	167 (120 to 230)	13.9 (-6.61 to 40.9)
21 Pancreatic cancer	23 Stomach cancer			
25 Parkinson's disease	32 HIV/AIDS			
26 Endo/metab/blood/immune	41 Interpersonal violence			
30 Atrial fibrillation	128 COVID-19			

### Saint Lucia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	20.7 (-16.7 to 69.5)	23.2 (-14.3 to 70.4)	<b>-47.5 (-64 to -21.8)</b>
2 Stroke	2 Chronic kidney disease	124 (40.9 to 219)	129 (49 to 228)	8.65 (-30.4 to 74.5)
3 Diabetes	3 Diabetes	53 (-2.18 to 115)	56.2 (6.95 to 121)	-30.3 (-54 to 10.5)
4 Ischemic heart disease	4 Hypertensive heart disease	127 (52 to 225)	132 (58.1 to 233)	-1.61 (-37.3 to 54.4)
5 Chronic kidney disease	5 Prostate cancer	130 (32.5 to 254)	133 (43.2 to 262)	-7.56 (-34.6 to 22.9)
6 Hypertensive heart disease	6 Ischemic heart disease	22.4 (-33.3 to 97.9)	25 (-25.9 to 107)	<b>-46 (-70.6 to -5.25)</b>
7 Prostate cancer	7 COPD	95.4 (40.4 to 160)	99.5 (47.8 to 176)	-14.8 (-40.5 to 27.6)
8 Lower respiratory infect	8 Lower respiratory infect	81.2 (37.2 to 136)	84.7 (46.3 to 126)	-26.9 (-45.4 to 0.562)
9 COPD	9 Alzheimer's disease	159 (93.4 to 233)	164 (108 to 221)	<b>-6.83 (-9.79 to -3.52)</b>
10 Cirrhosis liver	10 Colorectal cancer	106 (7.06 to 246)	110 (18.3 to 242)	-4.09 (-40.2 to 41.8)
11 Alzheimer's disease	11 Breast cancer	67.7 (1.73 to 149)	70.6 (8.71 to 147)	-8.83 (-36.3 to 25.5)
12 Breast cancer	12 Lung cancer	84 (9.88 to 167)	87.1 (20.4 to 164)	-4.81 (-33.6 to 28.3)
13 Cardiomyopathy	13 Cirrhosis liver	32.7 (7.79 to 62)	35.4 (13.7 to 59.5)	<b>-19.5 (-31.3 to -2.44)</b>
14 Interpersonal violence	14 Atrial fibrillation	198 (113 to 297)	203 (132 to 286)	4.09 (-15 to 25.9)
15 Lung cancer	15 Pancreatic cancer	168 (31.2 to 354)	172 (42.3 to 358)	32.6 (-24.5 to 109)
16 Colorectal cancer	16 Urinary diseases	191 (101 to 298)	196 (124 to 282)	21.8 (-10.2 to 63.3)
17 Stomach cancer	17 Cardiomyopathy	36.2 (5.12 to 70.9)	38.7 (16.8 to 65.9)	<b>-28.1 (-34.9 to -20.9)</b>
18 Road injuries	18 Stomach cancer	27.5 (0.318 to 60.5)	30 (8.08 to 54)	<b>-37.8 (-44.7 to -30.2)</b>
19 Other cardiovascular	19 Parkinson's disease	136 (79.6 to 199)	140 (95 to 193)	-10.3 (-25.8 to 4.36)
20 Neonatal disorders	20 Other cardiovascular	62.5 (21.5 to 107)	65.6 (31.9 to 107)	<b>-25.6 (-41 to -4.44)</b>
21 Pancreatic cancer	28 Road injuries			
22 Atrial fibrillation	35 Interpersonal violence			
24 Urinary diseases	53 Neonatal disorders			
25 Parkinson's disease	131 COVID-19			

### Saint Vincent and the Grenadines, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Hypertensive heart disease	<b>93.3 (29.7 to 159)</b>	<b>128 (54 to 206)</b>	9.46 (-31 to 69.9)
2 Stroke	2 Ischemic heart disease	9.18 (-34.7 to 64.9)	28.6 (-22.2 to 96)	-38.7 (-67.6 to 9.38)
3 COVID-19	3 Diabetes	35.2 (-4.14 to 89.3)	<b>59.2 (14.7 to 112)</b>	-18 (-45.1 to 21.5)
4 Diabetes	4 Stroke	4.6 (-20.7 to 39.8)	23.2 (-3.92 to 58.6)	<b>-39.7 (-57.2 to -12.4)</b>
5 Hypertensive heart disease	5 Chronic kidney disease	<b>91.3 (30.7 to 164)</b>	<b>125 (57.3 to 206)</b>	20.6 (-23.6 to 83.3)
6 Chronic kidney disease	6 Prostate cancer	<b>81.7 (8.58 to 176)</b>	<b>113 (29 to 224)</b>	-4.44 (-31.7 to 31.1)
7 Prostate cancer	7 Lower respiratory infect	<b>53.4 (19.8 to 86.3)</b>	<b>80.5 (43 to 113)</b>	-20.7 (-39.7 to 4.48)
8 Lower respiratory infect	8 Alzheimer's disease	<b>127 (67.8 to 178)</b>	<b>167 (107 to 230)</b>	<b>5.6 (2.56 to 9.1)</b>
9 Interpersonal violence	9 Breast cancer	<b>62.3 (0.923 to 136)</b>	<b>90.6 (22.9 to 189)</b>	12 (-22.2 to 53.6)
10 Breast cancer	10 Colorectal cancer	<b>84.9 (4.18 to 183)</b>	<b>117 (26.5 to 233)</b>	11.9 (-27.5 to 63.3)
11 Cirrhosis liver	11 Urinary diseases	<b>140 (85.9 to 204)</b>	<b>182 (123 to 264)</b>	32.2 (-3.48 to 78)
12 HIV/AIDS	12 Cirrhosis liver	18.1 (-3.61 to 43.1)	<b>39 (18.4 to 64.7)</b>	-3.99 (-19 to 16.4)
13 Colorectal cancer	13 COPD	<b>60.4 (16.2 to 118)</b>	<b>88.7 (40 to 148)</b>	-10.9 (-38.5 to 29.7)
14 Alzheimer's disease	14 Endo/metab/blood/immune	<b>78.4 (38.4 to 118)</b>	<b>110 (72.5 to 148)</b>	19 (-6.57 to 43.8)
15 Other cardiovascular	15 Atrial fibrillation	<b>163 (87.7 to 250)</b>	<b>209 (133 to 307)</b>	19.2 (-2.43 to 44.1)
16 COPD	16 Lung cancer	<b>60.9 (0.563 to 133)</b>	<b>89 (21.3 to 170)</b>	6.81 (-25.5 to 44.1)
17 Stomach cancer	17 Pancreatic cancer	<b>128 (14.6 to 267)</b>	<b>168 (43.7 to 336)</b>	47.7 (-13.8 to 134)
18 Lung cancer	18 Other cardiovascular	27.9 (-0.282 to 57.5)	<b>50.4 (22.3 to 84.6)</b>	-21.8 (-37.9 to 0.556)
19 Endo/metab/blood/immune	19 Falls	<b>66.8 (10.3 to 126)</b>	<b>96 (41 to 156)</b>	-7.62 (-25.2 to 8.98)
20 Cervical cancer	20 Stomach cancer	4.31 (-16.3 to 27.2)	<b>22.7 (4.2 to 44.3)</b>	<b>-34.1 (-42.1 to -25.4)</b>
21 Urinary diseases	22 Cervical cancer			
22 Falls	24 Interpersonal violence			
27 Pancreatic cancer	53 HIV/AIDS			
28 Atrial fibrillation	129 COVID-19			

### Suriname, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Ischemic heart disease	39.3 (-21.9 to 113)	23.1 (-29.5 to 89.4)	-38.7 (-64.5 to 5.04)
2 Ischemic heart disease	2 Stroke	32.2 (-0.18 to 75.8)	16.7 (-12.8 to 54.3)	<b>-41.4 (-57.6 to -19)</b>
3 COVID-19	3 Chronic kidney disease	<b>156 (67.9 to 263)</b>	<b>126 (48.7 to 216)</b>	22.8 (-18.3 to 78.7)
4 Diabetes	4 Diabetes	<b>61.4 (16.9 to 117)</b>	<b>42.4 (6.15 to 97.2)</b>	-23.6 (-46.3 to 8.86)
5 Chronic kidney disease	5 Lower respiratory infect	<b>94.3 (44.7 to 149)</b>	<b>71.3 (26.7 to 120)</b>	<b>-26.4 (-42.3 to -7.25)</b>
6 Lower respiratory infect	6 Alzheimer's disease	<b>257 (131 to 386)</b>	<b>214 (118 to 317)</b>	0.0721 (-3.27 to 3.64)
7 Self-harm	7 Hypertensive heart disease	<b>144 (60.1 to 250)</b>	<b>116 (40.7 to 205)</b>	4.72 (-30.8 to 57.9)
8 Hypertensive heart disease	8 Prostate cancer	<b>180 (55.6 to 333)</b>	<b>146 (41 to 281)</b>	6.13 (-27.3 to 44.7)
9 Neonatal disorders	9 COPD	<b>118 (55.6 to 200)</b>	<b>92.6 (37.5 to 164)</b>	-10.9 (-36.9 to 29)
10 Cirrhosis liver	10 Colorectal cancer	<b>118 (23.6 to 247)</b>	<b>91.5 (11.7 to 195)</b>	2.51 (-33.3 to 47.6)
11 Road injuries	11 Lung cancer	<b>88 (18.9 to 177)</b>	<b>65.2 (11 to 136)</b>	-2.17 (-28.6 to 32.2)
12 HIV/AIDS	12 Cirrhosis liver	<b>35.3 (11 to 62.5)</b>	<b>19.3 (2.24 to 39.3)</b>	<b>-17.5 (-30.4 to -4.29)</b>
13 COPD	13 Self-harm	13.5 (-12.2 to 45.1)	0.0655 (-19.9 to 25.2)	-11.5 (-31.7 to 14)
14 Prostate cancer	14 Urinary diseases	<b>223 (134 to 350)</b>	<b>184 (109 to 269)</b>	28.1 (-2.69 to 66.4)
15 Alzheimer's disease	15 Breast cancer	<b>81.7 (13.3 to 168)</b>	<b>59.6 (6.49 to 127)</b>	-1.95 (-29.9 to 34.1)
16 Lung cancer	16 Atrial fibrillation	<b>268 (137 to 410)</b>	<b>224 (125 to 329)</b>	10.9 (-4.43 to 34.7)
17 Colorectal cancer	17 Pancreatic cancer	<b>177 (43.2 to 371)</b>	<b>143 (32 to 313)</b>	39.1 (-19 to 116)
18 Breast cancer	18 Road injuries	5.16 (-38 to 66.9)	-7 (-42.8 to 51.2)	-11.8 (-47.4 to 45.9)
19 Interpersonal violence	19 Falls	<b>148 (75.6 to 228)</b>	<b>118 (61.5 to 182)</b>	-8.83 (-20.5 to 4.46)
20 Cervical cancer	20 Ileus & obstruction	<b>124 (68.7 to 196)</b>	<b>97.2 (49.7 to 156)</b>	-3.4 (-27.5 to 28.9)
22 Urinary diseases	23 Cervical cancer			
23 Pancreatic cancer	24 Neonatal disorders			
26 Ileus & obstruction	31 HIV/AIDS			
28 Falls	36 Interpersonal violence			
29 Atrial fibrillation	131 COVID-19			

### Trinidad and Tobago, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Diabetes	18.8 (-18.4 to 58.6)	62.6 (21.1 to 111)	-35.2 (-51.9 to -15.5)
2 Ischemic heart disease	2 Ischemic heart disease	3.66 (-31.9 to 58.4)	41.9 (-7.75 to 120)	-48.1 (-66.4 to -18.6)
3 Diabetes	3 Chronic kidney disease	101 (37.5 to 186)	175 (97.6 to 279)	14.2 (-17.3 to 61.1)
4 Stroke	4 Stroke	4.75 (-23.4 to 36.4)	43.3 (13.7 to 82)	-48.3 (-59.4 to -34.7)
5 Chronic kidney disease	5 Prostate cancer	95.6 (21.7 to 206)	167 (68.4 to 290)	-8.12 (-31.1 to 18.1)
6 Prostate cancer	6 Alzheimer's disease	195 (110 to 305)	303 (190 to 424)	-5.53 (-8.66 to -2.25)
7 Interpersonal violence	7 Hypertensive heart disease	124 (54.2 to 217)	206 (110 to 335)	7.37 (-25.5 to 51.4)
8 Hypertensive heart disease	8 Lower respiratory infect	90.1 (39.2 to 164)	160 (97.5 to 235)	-19.9 (-35.6 to 0.499)
9 Lower respiratory infect	9 Colorectal cancer	60.5 (-1.34 to 148)	119 (36.1 to 225)	-8.29 (-36.8 to 25.9)
10 Colorectal cancer	10 COPD	89.6 (30 to 163)	159 (87.5 to 246)	-8.92 (-30.7 to 18.9)
11 Alzheimer's disease	11 Breast cancer	33 (-12.2 to 91.6)	81.5 (25.9 to 147)	-12.3 (-34 to 8.56)
12 Breast cancer	12 Atrial fibrillation	234 (128 to 358)	356 (228 to 505)	8.83 (-9.41 to 30)
13 COPD	13 Urinary diseases	162 (85.3 to 265)	258 (175 to 359)	20.8 (-2.57 to 47.7)
14 Road injuries	14 Lung cancer	37.2 (-5.52 to 90.1)	87.4 (33.7 to 149)	-10.9 (-31.5 to 13.8)
15 HIV/AIDS	15 Endo/metab/blood/immune	80.1 (36.5 to 134)	146 (100 to 198)	10.4 (-5.32 to 28.8)
16 Lung cancer	16 Pancreatic cancer	102 (15.2 to 229)	175 (61 to 333)	22.3 (-22.8 to 76.1)
17 Self-harm	17 Falls	103 (36.6 to 179)	176 (99.1 to 269)	-14.5 (-25.9 to -1.75)
18 Cirrhosis liver	18 Cirrhosis liver	-3.69 (-21.1 to 16.4)	31.8 (15.5 to 50.6)	-20 (-27.9 to -8.21)
19 Endo/metab/blood/immune	19 Parkinson's disease	111 (60.9 to 174)	189 (131 to 251)	-8.23 (-21.5 to 6.71)
20 Cervical cancer	20 Self-harm	-21.5 (-38 to -3.39)	7.44 (-9.21 to 27.6)	-8.65 (-24 to 12.1)
21 Urinary diseases	21 Road injuries			
22 Pancreatic cancer	23 Interpersonal violence			
23 Atrial fibrillation	26 Cervical cancer			
27 Falls	45 HIV/AIDS			
30 Parkinson's disease	131 COVID-19			

### Virgin Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Ischemic heart disease	37 (-20.6 to 133)	77.1 (3.35 to 193)	-42.9 (-65.6 to -9.77)
2 Ischemic heart disease	2 Chronic kidney disease	168 (84.9 to 315)	246 (136 to 445)	30.2 (-8.75 to 94.8)
3 Stroke	3 Alzheimer's disease	213 (141 to 289)	305 (212 to 411)	5.42 (1.33 to 9.01)
4 Diabetes	4 Stroke	24 (-10.2 to 67)	60.2 (18.6 to 115)	-40.4 (-53.4 to -24.8)
5 Chronic kidney disease	5 Diabetes	40.3 (-1.85 to 94.4)	81.3 (25.3 to 147)	-29.1 (-47.2 to -6.57)
6 Prostate cancer	6 Hypertensive heart disease	155 (64.4 to 280)	230 (110 to 388)	15.1 (-21 to 65.6)
7 Hypertensive heart disease	7 Prostate cancer	122 (27.5 to 247)	187 (74.4 to 331)	5.71 (-23.2 to 38.1)
8 Alzheimer's disease	8 Lower respiratory infect	156 (87.5 to 254)	231 (140 to 351)	-9.07 (-28.6 to 10.6)
9 Interpersonal violence	9 Colorectal cancer	82.1 (4.41 to 185)	135 (36.4 to 258)	0.328 (-35 to 41.5)
10 Colorectal cancer	10 Atrial fibrillation	356 (213 to 541)	489 (316 to 705)	22.2 (1.32 to 47.4)
11 Lung cancer	11 Lung cancer	50 (-0.453 to 110)	93.5 (35.7 to 162)	4.52 (-22.7 to 33.4)
12 Lower respiratory infect	12 COPD	139 (59.9 to 257)	209 (113 to 359)	3.55 (-25.1 to 43.7)
13 Breast cancer	13 Breast cancer	59.9 (-0.252 to 125)	106 (30.7 to 185)	-1.68 (-25.1 to 23.1)
14 Cirrhosis liver	14 Urinary diseases	310 (180 to 516)	429 (262 to 678)	45.9 (15 to 93.4)
15 COPD	15 Parkinson's disease	120 (61.9 to 203)	184 (121 to 276)	1.53 (-14.3 to 20.4)
16 Road injuries	16 Pancreatic cancer	110 (14.1 to 242)	171 (49.4 to 321)	35.7 (-17.4 to 99.7)
17 Stomach cancer	17 Cirrhosis liver	1.93 (-16.2 to 22.3)	31.6 (10.2 to 54.3)	-15.3 (-24.4 to -4.5)
18 Parkinson's disease	18 Endo/metab/blood/immune	147 (77 to 239)	219 (133 to 324)	20 (0.16 to 40)
19 Cardiomyopathy	19 Peripheral artery	323 (159 to 512)	447 (245 to 701)	29.9 (1.11 to 66)
20 Pancreatic cancer	20 Falls	170 (92.4 to 270)	249 (156 to 368)	-8.64 (-20.4 to 5.44)
21 Atrial fibrillation	21 Cardiomyopathy			
23 Endo/metab/blood/immune	23 Stomach cancer			
24 Urinary diseases	24 Interpersonal violence			
27 Falls	27 Road injuries			
39 Peripheral artery	127 COVID-19			



### Colombia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	62.7 (2.4 to 149)	44.1 (-13.4 to 128)	-44.4 (-67 to -8.54)
2 COVID-19	2 COPD	175 (103 to 252)	144 (75.7 to 213)	-15.3 (-40.1 to 19.8)
3 COPD	3 Alzheimer's disease	263 (187 to 346)	221 (152 to 281)	-3.46 (-6.96 to -0.0157)
4 Stroke	4 Chronic kidney disease	214 (120 to 332)	178 (93.7 to 301)	13.6 (-21.1 to 67.5)
5 Interpersonal violence	5 Stroke	45.1 (9.85 to 83.5)	28.4 (-2.23 to 64.4)	-45.8 (-59.4 to -27.2)
6 Alzheimer's disease	6 Lower respiratory infect	100 (59 to 150)	77.1 (40.6 to 119)	-28 (-42.7 to -8.55)
7 Lower respiratory infect	7 Lung cancer	127 (58.2 to 218)	101 (40.5 to 167)	-5.47 (-28.9 to 24.5)
8 Chronic kidney disease	8 Colorectal cancer	133 (40.9 to 260)	106 (29.7 to 194)	-3.19 (-36.5 to 39.8)
9 Stomach cancer	9 Diabetes	82.5 (37.4 to 136)	61.5 (23 to 107)	-30.3 (-47.4 to -8.28)
10 Road injuries	10 Hypertensive heart disease	197 (105 to 309)	163 (79.7 to 278)	-2.96 (-34.5 to 41.4)
11 Diabetes	11 Prostate cancer	168 (76 to 273)	137 (61.7 to 228)	-4.07 (-28.3 to 23.7)
12 Lung cancer	12 Urinary diseases	270 (195 to 370)	227 (157 to 315)	22.6 (-4.52 to 51.3)
13 Colorectal cancer	13 Stomach cancer	42.1 (19.1 to 73.7)	25.6 (7.52 to 49.2)	-40.2 (-47 to -32.5)
14 Hypertensive heart disease	14 Atrial fibrillation	284 (196 to 374)	239 (162 to 323)	11.5 (-8.88 to 33.4)
15 Breast cancer	15 Breast cancer	89 (28.8 to 154)	66.9 (14.4 to 123)	-9.78 (-32.7 to 16.4)
16 Prostate cancer	16 Interpersonal violence	-41.7 (-68.6 to 0.427)	-48.6 (-70.8 to -13.6)	-45.8 (-70.1 to -4.57)
17 Cirrhosis liver	17 Pancreatic cancer	207 (71 to 377)	171 (50.9 to 315)	30.4 (-21.5 to 92.3)
18 Self-harm	18 Road injuries	1.56 (-29.3 to 45)	-10.1 (-36.4 to 31.7)	-23.8 (-47.3 to 13.1)
19 Urinary diseases	19 Parkinson's disease	174 (129 to 234)	142 (103 to 189)	-8.58 (-22.2 to 5.1)
20 Neonatal disorders	20 Cirrhosis liver	64.7 (43.2 to 86.6)	45.6 (26.4 to 65.2)	-20.9 (-29 to -11.8)
22 Pancreatic cancer	33 Self-harm			
23 Atrial fibrillation	56 Neonatal disorders			
27 Parkinson's disease	135 COVID-19			

### Costa Rica, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	169 (89.5 to 273)	155 (80.6 to 245)	5.64 (-26 to 50.1)
2 COVID-19	2 Ischemic heart disease	37.8 (-15.4 to 116)	30.4 (-19.9 to 99.8)	-50 (-69.4 to -22.4)
3 Chronic kidney disease	3 Alzheimer's disease	250 (187 to 329)	231 (182 to 277)	-1.72 (-5.06 to 1.14)
4 Stroke	4 COPD	186 (98.8 to 287)	171 (92 to 264)	-11 (-37.6 to 26.8)
5 COPD	5 Stroke	45.1 (7.54 to 86.9)	37.4 (5.45 to 73.7)	-47.6 (-60.9 to -32.3)
6 Alzheimer's disease	6 Lower respiratory infect	123 (74 to 173)	111 (67.9 to 153)	-22.3 (-37.4 to -4.42)
7 Diabetes	7 Colorectal cancer	124 (42.3 to 242)	112 (33.4 to 217)	-4.67 (-35.5 to 35.8)
8 Stomach cancer	8 Diabetes	82.3 (30.3 to 142)	72.6 (30.7 to 121)	-30.4 (-47 to -8.91)
9 Road injuries	9 Hypertensive heart disease	215 (107 to 338)	198 (103 to 306)	2.94 (-30.1 to 52.1)
10 Cirrhosis liver	10 Prostate cancer	171 (86.5 to 288)	156 (77.7 to 262)	-3.96 (-26.4 to 27.5)
11 Lower respiratory infect	11 Cirrhosis liver	55.5 (31.7 to 80.5)	47.2 (30 to 64.4)	-16.3 (-26.3 to -5.86)
12 Colorectal cancer	12 Stomach cancer	46.4 (21.5 to 74.9)	38.6 (18.6 to 63)	-37.7 (-44.2 to -29.1)
13 Interpersonal violence	13 Falls	152 (99 to 221)	138 (96.2 to 190)	-10.8 (-22.1 to 2.94)
14 Hypertensive heart disease	14 Breast cancer	98 (41.4 to 179)	87.4 (35 to 154)	-6.08 (-29 to 23.6)
15 Prostate cancer	15 Road injuries	8.5 (-25.2 to 58.7)	2.66 (-28.6 to 48.3)	-9.85 (-37.8 to 31.7)
16 Breast cancer	16 Pancreatic cancer	202 (81.5 to 370)	186 (68.3 to 342)	32.1 (-17.1 to 96.8)
17 Self-harm	17 Urinary diseases	282 (182 to 395)	261 (179 to 362)	30.2 (-1.68 to 71.1)
18 Lung cancer	18 Atrial fibrillation	280 (197 to 389)	259 (192 to 338)	8.55 (-7.5 to 27.6)
19 Falls	19 Lung cancer	118 (54.2 to 208)	106 (49.2 to 177)	-6.02 (-30.1 to 22.9)
20 Liver cancer	20 Liver cancer	150 (88.3 to 210)	136 (88.7 to 187)	12.3 (-10.2 to 38.7)
21 Pancreatic cancer	22 Self-harm			
23 Atrial fibrillation	30 Interpersonal violence			
24 Urinary diseases	134 COVID-19			

### El Salvador, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	<b>125 (55.4 to 203)</b>	<b>176 (84.6 to 282)</b>	30.5 (-15.5 to 85.9)
2 Chronic kidney disease	2 Ischemic heart disease	33.2 (-18.4 to 106)	<b>63.7 (2.11 to 149)</b>	-28.1 (-59.1 to 18.5)
3 COVID-19	3 Diabetes	41.4 (-1.11 to 94.5)	<b>73.9 (28.2 to 137)</b>	-21.3 (-43.8 to 7.99)
4 Interpersonal violence	4 Alzheimer's disease	<b>128 (60.3 to 203)</b>	<b>179 (104 to 263)</b>	<b>9.82 (5.74 to 13.7)</b>
5 Diabetes	5 Lower respiratory infect	<b>44.8 (12 to 87.1)</b>	<b>78.1 (41.7 to 129)</b>	-18.2 (-35.4 to 3.66)
6 Stroke	6 Stroke	22.7 (-9.44 to 64)	<b>50.9 (15.3 to 92.1)</b>	<b>-32.4 (-49.1 to -10.1)</b>
7 Lower respiratory infect	7 COPD	<b>87.9 (33.1 to 154)</b>	<b>131 (70.4 to 207)</b>	-4.46 (-32.4 to 33.2)
8 Cirrhosis liver	8 Interpersonal violence	<b>-47.2 (-73.9 to -3.48)</b>	-35.8 (-65.8 to 16)	-34.4 (-66.2 to 22.7)
9 Alzheimer's disease	9 Cirrhosis liver	22.6 (-6.05 to 49.9)	<b>50.5 (27.7 to 76.7)</b>	<b>-16 (-26.2 to -4.88)</b>
10 COPD	10 Stomach cancer	17.9 (-8.43 to 46.7)	<b>44.8 (20.4 to 75.1)</b>	<b>-33 (-40.3 to -25)</b>
11 Road injuries	11 Lung cancer	<b>106 (37.3 to 203)</b>	<b>152 (72.3 to 257)</b>	15.7 (-10.7 to 51.9)
12 Stomach cancer	12 Prostate cancer	<b>90.9 (17.8 to 201)</b>	<b>134 (49.6 to 264)</b>	-2.81 (-28.6 to 32.7)
13 Alcohol use disorders	13 Atrial fibrillation	<b>164 (73.5 to 258)</b>	<b>224 (130 to 341)</b>	<b>28.5 (9.51 to 58.7)</b>
14 Prostate cancer	14 Road injuries	-15.2 (-48.8 to 32.7)	3.99 (-33.4 to 62.9)	-23.1 (-54.1 to 27.2)
15 Lung cancer	15 Colorectal cancer	<b>88.6 (12.5 to 198)</b>	<b>132 (39 to 263)</b>	6.94 (-28.1 to 54.6)
16 Cervical cancer	16 Alcohol use disorders	10.2 (-22.2 to 48.3)	<b>35 (6.63 to 67.3)</b>	-5.09 (-25.2 to 17.8)
17 Self-harm	17 Pancreatic cancer	<b>175 (49.2 to 366)</b>	<b>237 (84.8 to 445)</b>	55.2 (-9.87 to 135)
18 Colorectal cancer	18 Urinary diseases	<b>133 (77.4 to 197)</b>	<b>187 (128 to 256)</b>	26.4 (-0.301 to 61.1)
19 Breast cancer	19 Breast cancer	<b>64.4 (7.96 to 142)</b>	<b>102 (38.8 to 189)</b>	1.11 (-25.6 to 34.4)
20 Neonatal disorders	20 Hypertensive heart disease	<b>90.3 (32.2 to 171)</b>	<b>134 (62.9 to 220)</b>	0.788 (-32.4 to 51.6)
21 Atrial fibrillation	21 Cervical cancer			
23 Hypertensive heart disease	24 Self-harm			
24 Urinary diseases	54 Neonatal disorders			
30 Pancreatic cancer	132 COVID-19			

### Guatemala, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Chronic kidney disease	237 (143 to 364)	180 (106 to 289)	37.9 (-3.63 to 103)
2 Ischemic heart disease	2 Ischemic heart disease	107 (36.2 to 195)	72.3 (16.2 to 152)	-30.1 (-59.9 to 19.1)
3 Diabetes	3 Lower respiratory infect	49.7 (22.3 to 82)	24.7 (0.48 to 56.3)	-37.7 (-49.4 to -23.4)
4 Chronic kidney disease	4 Diabetes	64.2 (21.4 to 111)	36.8 (3.13 to 72.8)	-33 (-52.4 to -8.47)
5 Cirrhosis liver	5 Cirrhosis liver	47.5 (27.9 to 68.7)	22.8 (8.08 to 39.3)	-29.3 (-37.2 to -20.3)
6 Stroke	6 Stroke	67.4 (34.6 to 105)	39.3 (12.2 to 72.8)	-39.4 (-54.9 to -19.1)
7 Interpersonal violence	7 Alzheimer's disease	227 (153 to 307)	172 (111 to 232)	-4.34 (-7.29 to -0.269)
8 COVID-19	8 Stomach cancer	50.9 (27.2 to 79.5)	25.7 (5.12 to 47)	-39.5 (-46.3 to -33.2)
9 Stomach cancer	9 COPD	114 (66.1 to 186)	78 (36.5 to 137)	-30.6 (-50.8 to 0.104)
10 Diarrheal diseases	10 Interpersonal violence	-22.6 (-60.3 to 48.3)	-35.7 (-66.8 to 24.6)	-39 (-68.2 to 20.6)
11 Neonatal disorders	11 Prostate cancer	176 (80 to 315)	130 (48.8 to 243)	-6.59 (-29.8 to 24.6)
12 Road injuries	12 Road injuries	-9.63 (-46 to 43.1)	-24.8 (-53.3 to 19.8)	-35.8 (-61.1 to 4.68)
13 COPD	13 Diarrheal diseases	-21.6 (-52 to 12)	-34.7 (-59.1 to -3.73)	-59.3 (-76 to -35.7)
14 Alzheimer's disease	14 Alcohol use disorders	51.7 (19.8 to 93.4)	26.3 (1.47 to 60.3)	-14.6 (-31.9 to 7.31)
15 Congenital defects	15 Protein-energy malnutrition	78.6 (9.17 to 166)	48.9 (-10 to 123)	-33 (-65.7 to 19.7)
16 Alcohol use disorders	16 Colorectal cancer	150 (58.2 to 277)	108 (29.8 to 209)	-0.613 (-34.8 to 41.3)
17 Protein-energy malnutrition	17 Falls	85 (49.1 to 126)	54 (25.2 to 83.6)	-18.6 (-28.1 to -6.61)
18 Prostate cancer	18 Atrial fibrillation	316 (214 to 435)	246 (171 to 355)	20.2 (1.85 to 42.9)
19 Falls	19 Lung cancer	136 (70.1 to 216)	96.1 (37.6 to 163)	-5.75 (-29.5 to 20.8)
20 Cervical cancer	20 Cervical cancer	55 (29.3 to 86.3)	29.1 (8.34 to 54.8)	-28.8 (-41.3 to -14.7)
23 Colorectal cancer	31 Neonatal disorders			
25 Lung cancer	34 Congenital defects			
39 Atrial fibrillation	133 COVID-19			

### Honduras, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	70.9 (9.07 to 150)	30.5 (-15.5 to 86.6)	-30.8 (-62.7 to 17.9)
2 Stroke	2 Stroke	55.2 (20.2 to 90.3)	18.4 (-8.01 to 46.2)	-36.7 (-54.6 to -13.4)
3 COVID-19	3 COPD	100 (55.6 to 159)	52.7 (16.8 to 92.8)	-21.7 (-46.6 to 13.5)
4 Interpersonal violence	4 Chronic kidney disease	211 (119 to 328)	137 (66.2 to 233)	31.8 (-12.8 to 99)
5 COPD	5 Hypertensive heart disease	144 (76.6 to 229)	85.9 (33.4 to 146)	-6.57 (-39.2 to 37)
6 Cirrhosis liver	6 Cirrhosis liver	69 (39.4 to 96.7)	29 (9.81 to 50)	-26.1 (-35.8 to -14.8)
7 Lower respiratory infect	7 Lung cancer	148 (64.3 to 245)	89.3 (33.5 to 165)	1.98 (-25.9 to 37.9)
8 Diabetes	8 Interpersonal violence	-5.14 (-42.1 to 60.3)	-27.7 (-52.8 to 26.6)	-39.9 (-60.6 to 6.05)
9 Hypertensive heart disease	9 Lower respiratory infect	61.5 (27.8 to 98.4)	23.2 (1.28 to 49.3)	-27.1 (-44.6 to -6.13)
10 Road injuries	10 Diabetes	70.9 (22.6 to 129)	30.4 (-4.04 to 71.9)	-27.6 (-49.3 to 3.39)
11 Chronic kidney disease	11 Alzheimer's disease	203 (125 to 292)	131 (77.2 to 196)	6.2 (3.07 to 9.76)
12 Lung cancer	12 Road injuries	43.2 (-12.2 to 130)	9.34 (-33.7 to 74.9)	-25.3 (-54.1 to 20.3)
13 Stomach cancer	13 Stomach cancer	64.5 (36.4 to 94)	25.5 (6.92 to 47.1)	-31.6 (-38.8 to -24.1)
14 Neonatal disorders	14 Other digestive	162 (91.4 to 236)	99.9 (44.9 to 163)	15.7 (-16.9 to 60.2)
15 Diarrheal diseases	15 Urinary diseases	194 (135 to 259)	124 (80.5 to 167)	21.4 (-7.75 to 53.6)
16 Nature disaster	16 Diarrheal diseases	14.9 (-30.7 to 75.2)	-12.3 (-45.3 to 34.8)	-40.4 (-65 to -0.318)
17 Alzheimer's disease	17 Pancreatic cancer	277 (111 to 516)	187 (71.7 to 370)	54.1 (-6.19 to 136)
18 Congenital defects	18 Prostate cancer	178 (75.5 to 315)	112 (35.9 to 213)	4.62 (-25.8 to 43.2)
19 Upper digest diseases	19 Parkinson's disease	161 (108 to 218)	99 (63 to 136)	-1.84 (-19 to 16.6)
20 Other digestive	20 Breast cancer	140 (69.2 to 237)	83.3 (25.3 to 155)	4.48 (-22.8 to 37.6)
22 Urinary diseases	22 Nature disaster			
25 Breast cancer	25 Upper digest diseases			
26 Parkinson's disease	41 Neonatal disorders			
27 Prostate cancer	43 Congenital defects			
33 Pancreatic cancer	133 COVID-19			

### Mexico, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	60.2 (13.6 to 118)	41.2 (-1.64 to 92)	-38.5 (-62.8 to -5.55)
2 COVID-19	2 Chronic kidney disease	170 (109 to 256)	138 (82.2 to 211)	23.7 (-11.2 to 69.9)
3 Diabetes	3 Diabetes	68.8 (33.3 to 109)	48.7 (17.4 to 85.6)	-26 (-44.3 to -4.93)
4 Chronic kidney disease	4 Cirrhosis liver	74.6 (55.1 to 94.9)	53.8 (40 to 68.6)	-2.65 (-12.9 to 8.63)
5 Cirrhosis liver	5 COPD	143 (89.8 to 202)	114 (66.4 to 166)	-14.5 (-39.9 to 20.9)
6 Interpersonal violence	6 Lower respiratory infect	89.2 (59.6 to 130)	66.6 (42.3 to 99.3)	-22.4 (-36.9 to -6.91)
7 Stroke	7 Stroke	46.9 (20.1 to 75.8)	29.4 (7.33 to 54.9)	-40.4 (-53.9 to -24.7)
8 Lower respiratory infect	8 Alzheimer's disease	226 (154 to 306)	186 (128 to 249)	2.78 (-1.23 to 6.34)
9 COPD	9 Urinary diseases	217 (163 to 279)	179 (134 to 234)	30.3 (5.51 to 59.1)
10 Road injuries	10 Interpersonal violence	-26.1 (-59.1 to 30.5)	-35.1 (-62.2 to 13.2)	-35.8 (-63.4 to 12.3)
11 Alzheimer's disease	11 Hypertensive heart disease	202 (128 to 285)	166 (102 to 249)	7.93 (-25.9 to 55.9)
12 Stomach cancer	12 Colorectal cancer	135 (49.1 to 247)	107 (35.6 to 202)	8.19 (-26.9 to 48.8)
13 Colorectal cancer	13 Prostate cancer	172 (74.5 to 286)	139 (59.7 to 230)	0.164 (-25.7 to 30.2)
14 Neonatal disorders	14 Lung cancer	133 (61.2 to 225)	105 (47.3 to 181)	2.63 (-22.1 to 33.3)
15 Urinary diseases	15 Pancreatic cancer	227 (87.6 to 408)	187 (70 to 342)	48.4 (-6.84 to 121)
16 Breast cancer	16 Road injuries	11.3 (-24.5 to 62.2)	-1.87 (-36.2 to 42.8)	-15.5 (-45 to 24.7)
17 Lung cancer	17 Atrial fibrillation	273 (191 to 380)	228 (165 to 320)	20.2 (2.25 to 40)
18 Prostate cancer	18 Breast cancer	100 (47.1 to 164)	76.1 (31.8 to 140)	3.85 (-18.5 to 32.9)
19 Hypertensive heart disease	19 Stomach cancer	48.8 (25.4 to 73.5)	31 (12.3 to 51.4)	-33 (-40.6 to -24.5)
20 Congenital defects	20 Endo/metab/blood/immune	161 (121 to 200)	130 (102 to 162)	23.8 (5.8 to 41.5)
23 Pancreatic cancer	44 Congenital defects			
25 Endo/metab/blood/immune	45 Neonatal disorders			
29 Atrial fibrillation	133 COVID-19			

### Nicaragua, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	277 (148 to 459)	230 (126 to 358)	40.6 (-7.8 to 103)
2 Chronic kidney disease	2 Ischemic heart disease	182 (67.1 to 333)	147 (56.5 to 258)	-20.6 (-54.7 to 31.9)
3 Stroke	3 Diabetes	137 (64 to 241)	107 (59 to 172)	-17.7 (-41.4 to 15.3)
4 Diabetes	4 Stroke	130 (71 to 209)	101 (56.6 to 159)	<b>-29.6 (-48.2 to -3.59)</b>
5 Cirrhosis liver	5 Alzheimer's disease	392 (275 to 516)	332 (242 to 431)	17.5 (12.9 to 21.7)
6 Lower respiratory infect	6 COPD	258 (153 to 390)	214 (131 to 301)	-4.9 (-36.1 to 36.1)
7 COPD	7 Cirrhosis liver	93.8 (56.6 to 138)	69.7 (49.1 to 93.4)	<b>-11.7 (-21.9 to -0.0669)</b>
8 Neonatal disorders	8 Hypertensive heart disease	292 (164 to 453)	244 (133 to 359)	10.1 (-29.2 to 63.9)
9 Alzheimer's disease	9 Lower respiratory infect	93.7 (52.2 to 148)	69.8 (37.9 to 111)	<b>-31 (-44.9 to -14.8)</b>
10 Road injuries	10 Prostate cancer	288 (161 to 479)	240 (116 to 427)	16.2 (-14.8 to 58)
11 COVID-19	11 Stomach cancer	99.3 (56.1 to 149)	74.7 (45.5 to 110)	<b>-28.8 (-36.5 to -19.4)</b>
12 Interpersonal violence	12 Colorectal cancer	210 (95.4 to 377)	172 (56.5 to 329)	10.3 (-27.1 to 58.1)
13 Stomach cancer	13 Atrial fibrillation	501 (327 to 685)	427 (295 to 574)	<b>37.6 (14.4 to 69.9)</b>
14 Hypertensive heart disease	14 Lung cancer	219 (117 to 367)	180 (91.4 to 309)	14.5 (-15.6 to 56.7)
15 Congenital defects	15 Road injuries	17.6 (-29.9 to 90.4)	2.73 (-34.3 to 54.6)	-19.3 (-48.5 to 26)
16 Self-harm	16 Pancreatic cancer	350 (157 to 655)	295 (113 to 564)	62.2 (-2.05 to 152)
17 Cervical cancer	17 Falls	185 (123 to 278)	150 (91.7 to 222)	-4.28 (-15.6 to 10.5)
18 Nature disaster	18 Cervical cancer	86 (40.8 to 142)	63 (30.9 to 102)	<b>-19.8 (-33.7 to -0.0227)</b>
19 Alcohol use disorders	19 Breast cancer	144 (64.5 to 247)	114 (53.9 to 202)	2.09 (-24.3 to 37.2)
20 Colorectal cancer	20 Parkinson's disease	289 (207 to 389)	241 (184 to 308)	9.52 (-5.14 to 23.7)
21 Prostate cancer	21 Alcohol use disorders			
22 Breast cancer	22 Nature disaster			
23 Lung cancer	24 Self-harm			
24 Falls	26 Interpersonal violence			
30 Pancreatic cancer	31 Neonatal disorders			
31 Atrial fibrillation	46 Congenital defects			
32 Parkinson's disease	133 COVID-19			

### Panama, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	196 (100 to 315)	115 (46.2 to 196)	13.6 (-22.5 to 59.2)
2 Stroke	2 Ischemic heart disease	45.5 (-12.3 to 127)	5.65 (-33.7 to 66)	-49.9 (-70.4 to -21.4)
3 COVID-19	3 Alzheimer's disease	272 (194 to 363)	170 (119 to 225)	5.48 (2.55 to 8.83)
4 Chronic kidney disease	4 Stroke	47.8 (10.6 to 93.5)	7.33 (-17.7 to 38.2)	-47.2 (-59.9 to -30)
5 Diabetes	5 Diabetes	104 (45.8 to 170)	48.1 (5.31 to 93.8)	-23.7 (-45.5 to 1.48)
6 Alzheimer's disease	6 COPD	190 (105 to 299)	111 (50.8 to 191)	-7.91 (-36.2 to 28.7)
7 Lower respiratory infect	7 Lower respiratory infect	116 (62.3 to 181)	57 (20.8 to 98.2)	-24.4 (-39.3 to -5.62)
8 COPD	8 Colorectal cancer	166 (70.6 to 312)	93 (24.3 to 192)	6.09 (-28.5 to 48.2)
9 Interpersonal violence	9 Prostate cancer	194 (92.4 to 330)	113 (41.8 to 213)	1.06 (-24.7 to 34.1)
10 HIV/AIDS	10 Hypertensive heart disease	211 (108 to 361)	126 (48.9 to 224)	6.5 (-30.4 to 50.5)
11 Road injuries	11 Lung cancer	154 (82.3 to 262)	84.2 (35.3 to 157)	3.03 (-20.6 to 35.5)
12 Colorectal cancer	12 Atrial fibrillation	289 (187 to 413)	182 (120 to 265)	11.6 (-6.56 to 33.2)
13 Stomach cancer	13 Cirrhosis liver	88.1 (54.2 to 124)	36.5 (18.4 to 54.6)	-9.81 (-20.5 to 2.59)
14 Cirrhosis liver	14 Breast cancer	130 (63.9 to 222)	67.1 (23.5 to 135)	4.12 (-21 to 40.9)
15 Prostate cancer	15 Stomach cancer	61.7 (27.8 to 98.6)	17.4 (-2.25 to 41.7)	-35.7 (-43.3 to -28.5)
16 Lung cancer	16 Road injuries	35.1 (-16.1 to 113)	-1.83 (-39.8 to 49.6)	-15.8 (-48.6 to 30.9)
17 Hypertensive heart disease	17 Pancreatic cancer	255 (114 to 478)	158 (60 to 329)	44 (-4.48 to 124)
18 Congenital defects	18 Urinary diseases	282 (182 to 402)	177 (109 to 254)	29 (-1.46 to 59.8)
19 Breast cancer	19 Parkinson's disease	193 (119 to 267)	112 (72.4 to 152)	-2.53 (-18 to 14)
20 Neonatal disorders	20 Interpersonal violence	-9.97 (-46.1 to 74.1)	-34.7 (-60.2 to 23.7)	-36.3 (-62.8 to 23.4)
22 Atrial fibrillation	35 Congenital defects			
25 Parkinson's disease	37 HIV/AIDS			
27 Pancreatic cancer	41 Neonatal disorders			
28 Urinary diseases	134 COVID-19			



### Venezuela, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	72.7 (-42.7 to 311)	105 (-36 to 438)	43.8 (-74.5 to 340)
2 COVID-19	2 Chronic kidney disease	<b>167 (59.5 to 309)</b>	<b>209 (72.1 to 423)</b>	91.1 (-19.5 to 305)
3 Stroke	3 Stroke	54.5 (-8.59 to 146)	<b>78.8 (1.96 to 213)</b>	12.8 (-57.5 to 173)
4 Diabetes	4 Diabetes	<b>88.9 (4.77 to 214)</b>	<b>120 (16 to 298)</b>	37.2 (-50.8 to 230)
5 Chronic kidney disease	5 Alzheimer's disease	161 (-49 to 393)	186 (-33.2 to 393)	<b>9.94 (5.99 to 13.5)</b>
6 Interpersonal violence	6 Hypertensive heart disease	<b>120 (37.6 to 230)</b>	<b>153 (50.7 to 288)</b>	45.9 (-45.5 to 245)
7 Road injuries	7 COPD	<b>87.6 (31 to 168)</b>	<b>113 (48.7 to 190)</b>	17 (-46.9 to 141)
8 Lower respiratory infect	8 Lower respiratory infect	67.7 (-6.44 to 141)	<b>88.3 (20.2 to 143)</b>	0.921 (-31.7 to 59.3)
9 COPD	9 Road injuries	8.33 (-62.2 to 156)	29 (-57.2 to 228)	23.3 (-60.5 to 220)
10 Hypertensive heart disease	10 Lung cancer	47.5 (-63.4 to 183)	62.1 (-52.3 to 193)	-14.7 (-59.6 to 40.5)
11 Alzheimer's disease	11 Prostate cancer	97.9 (-60 to 332)	117 (-49.5 to 324)	-10.3 (-56.5 to 40)
12 Lung cancer	12 Interpersonal violence	-50.7 (-87 to 22.9)	-46.2 (-82.7 to 33.9)	-42.7 (-83.1 to 46.3)
13 Cirrhosis liver	13 Cirrhosis liver	10.3 (-13.1 to 36.5)	<b>25.3 (5.19 to 52.2)</b>	-13.2 (-31.8 to 14.4)
14 Neonatal disorders	14 Breast cancer	31.7 (-60.4 to 153)	45.1 (-46.1 to 159)	-10.7 (-52.7 to 41.2)
15 Prostate cancer	15 Colorectal cancer	42.2 (-73.5 to 209)	55.5 (-64.8 to 209)	-21.5 (-69.8 to 39.1)
16 Stomach cancer	16 Stomach cancer	14.5 (-42.7 to 69.6)	28.1 (-25.9 to 68.6)	<b>-28.9 (-36.8 to -18.1)</b>
17 Breast cancer	17 Atrial fibrillation	200 (-25.2 to 424)	231 (-3.92 to 449)	<b>33.5 (8.4 to 60.3)</b>
18 Colorectal cancer	18 Cervical cancer	15.2 (-11 to 49)	<b>31.7 (2.26 to 71.9)</b>	-3.28 (-34.5 to 47.2)
19 Cervical cancer	19 Pancreatic cancer	77.4 (-72.9 to 321)	93.5 (-64 to 326)	-1.82 (-71.4 to 99.1)
20 Self-harm	20 Diarrheal diseases	57.2 (-35.1 to 241)	85.5 (-25.7 to 346)	33.9 (-67.1 to 313)
23 Diarrheal diseases	24 Self-harm			
25 Pancreatic cancer	25 Neonatal disorders			
28 Atrial fibrillation	136 COVID-19			

### Brazil, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Lower respiratory infect	111 (63.6 to 156)	88.1 (51.5 to 126)	-23.6 (-44.5 to 0.193)
2 Stroke	2 Ischemic heart disease	25 (-27 to 94.2)	11.7 (-34.4 to 81.6)	-44.4 (-68.1 to -5.07)
3 Lower respiratory infect	3 Alzheimer's disease	207 (137 to 283)	174 (126 to 225)	-7.3 (-9.94 to -4.85)
4 COVID-19	4 Stroke	29 (-10.2 to 72.6)	15.1 (-16.1 to 54.3)	-45.4 (-62 to -22)
5 Diabetes	5 COPD	108 (40.1 to 177)	85.9 (30.4 to 154)	-20.4 (-45.6 to 18.1)
6 COPD	6 Chronic kidney disease	185 (82.9 to 300)	154 (69.8 to 265)	19.6 (-24.1 to 83.1)
7 Alzheimer's disease	7 Diabetes	79 (24.3 to 138)	59.8 (15.7 to 115)	-23.9 (-47.5 to 8.7)
8 Interpersonal violence	8 Urinary diseases	268 (185 to 371)	229 (156 to 302)	28.5 (-3.53 to 74.3)
9 Chronic kidney disease	9 Hypertensive heart disease	166 (74.2 to 265)	138 (58.7 to 229)	4.56 (-34.2 to 60.5)
10 Road injuries	10 Lung cancer	83.3 (16.4 to 166)	63.2 (7.52 to 129)	-13.4 (-39.4 to 15.3)
11 Lung cancer	11 Colorectal cancer	105 (13.6 to 231)	82.6 (6.45 to 183)	-5.12 (-40.3 to 38.3)
12 Cirrhosis liver	12 Prostate cancer	171 (65.5 to 308)	142 (51.6 to 261)	3.53 (-26.9 to 39.3)
13 Urinary diseases	13 Falls	130 (78.8 to 197)	105 (62.1 to 151)	-12 (-23 to 2.2)
14 Hypertensive heart disease	14 Pancreatic cancer	181 (42.8 to 378)	150 (32.1 to 313)	30.3 (-25.3 to 101)
15 Colorectal cancer	15 Breast cancer	77 (14.1 to 154)	57.5 (6.02 to 128)	-6.63 (-32.8 to 26.9)
16 Stomach cancer	16 Cirrhosis liver	33.7 (8.94 to 58.3)	19.3 (0.729 to 38.9)	-17.7 (-30.8 to -1.44)
17 Breast cancer	17 Interpersonal violence	-25.9 (-61.4 to 34)	-34.1 (-64.9 to 24.7)	-27.5 (-62.6 to 42.1)
18 Falls	18 Atrial fibrillation	256 (172 to 363)	217 (157 to 297)	9.51 (-5.36 to 31.5)
19 Prostate cancer	19 Road injuries	5.59 (-34.9 to 62.5)	-5.67 (-37.3 to 45.2)	-10.9 (-42.2 to 42.6)
20 Neonatal disorders	20 Bacterial skin	338 (129 to 603)	292 (111 to 556)	81.6 (-8.21 to 225)
23 Pancreatic cancer	21 Stomach cancer			
28 Atrial fibrillation	54 Neonatal disorders			
37 Bacterial skin	136 COVID-19			

### Paraguay, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	41.2 (-19.1 to 117)	28.9 (-18.6 to 111)	<b>-42 (-65.9 to -1.93)</b>
2 Stroke	2 Diabetes	<b>80.9 (19.2 to 158)</b>	<b>65.2 (18.9 to 134)</b>	-23.4 (-45.6 to 13.7)
<b>3 COVID-19</b>	3 Stroke	42.2 (-1.46 to 94.6)	29.7 (-4.42 to 74.3)	<b>-41.9 (-57.8 to -16.2)</b>
4 Diabetes	4 Chronic kidney disease	<b>216 (94.5 to 367)</b>	<b>188 (92.7 to 313)</b>	33.8 (-11.5 to 104)
<b>5 Lower respiratory infect</b>	5 Alzheimer's disease	<b>206 (110 to 303)</b>	<b>179 (105 to 250)</b>	<b>3.75 (0.764 to 6.98)</b>
6 Chronic kidney disease	<b>6 Lower respiratory infect</b>	<b>95.8 (40.8 to 167)</b>	<b>78.7 (39.3 to 130)</b>	-19.6 (-36 to 7.45)
<b>7 Road injuries</b>	7 Hypertensive heart disease	<b>190 (80.9 to 322)</b>	<b>164 (74.7 to 274)</b>	13.1 (-26.5 to 70.1)
8 Alzheimer's disease	8 COPD	<b>117 (47.9 to 202)</b>	<b>98 (44.7 to 169)</b>	-15.9 (-39.3 to 20.2)
9 Hypertensive heart disease	9 Lung cancer	<b>120 (32.1 to 211)</b>	<b>101 (31.9 to 179)</b>	-3.1 (-31.8 to 27.5)
10 COPD	10 Prostate cancer	<b>192 (63.2 to 336)</b>	<b>166 (61.7 to 295)</b>	11.9 (-22.9 to 48.3)
11 Lung cancer	<b>11 Road injuries</b>	15.6 (-26.2 to 81.8)	5.4 (-29.8 to 63.2)	<b>-10.3 (-43 to 41.9)</b>
<b>12 Interpersonal violence</b>	12 Colorectal cancer	<b>158 (44.7 to 285)</b>	<b>135 (40.6 to 254)</b>	10.9 (-28.6 to 56.7)
<b>13 Neonatal disorders</b>	13 Breast cancer	<b>122 (29.7 to 210)</b>	<b>102 (37 to 184)</b>	5.69 (-25.9 to 42.6)
14 Cirrhosis liver	14 Cirrhosis liver	<b>75.9 (31.8 to 126)</b>	<b>60.4 (30.5 to 98.1)</b>	-8.55 (-23.2 to 12.9)
15 Colorectal cancer	15 Pancreatic cancer	<b>255 (75.3 to 469)</b>	<b>224 (73.1 to 415)</b>	52.4 (-9.76 to 137)
16 Breast cancer	16 Atrial fibrillation	<b>261 (152 to 385)</b>	<b>229 (137 to 320)</b>	<b>22.2 (2.8 to 44)</b>
17 Prostate cancer	17 Endo/metab/blood/immune	<b>168 (102 to 244)</b>	<b>144 (95.8 to 204)</b>	<b>28.1 (9.03 to 59.6)</b>
18 Cervical cancer	18 Urinary diseases	<b>206 (135 to 295)</b>	<b>179 (122 to 244)</b>	19.6 (-0.172 to 44.6)
19 Stomach cancer	19 Cervical cancer	<b>58.4 (13.2 to 102)</b>	<b>44.4 (14.7 to 82.1)</b>	-18.5 (-33.5 to 3.86)
20 Congenital defects	20 Stomach cancer	<b>60.9 (24.3 to 106)</b>	<b>46.8 (22.5 to 76.5)</b>	<b>-30 (-38.2 to -19.4)</b>
22 Pancreatic cancer	23 Interpersonal violence			
23 Endo/metab/blood/immune	33 Neonatal disorders			
25 Atrial fibrillation	49 Congenital defects			
28 Urinary diseases	133 COVID-19			

### Afghanistan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	113 (20.9 to 262)	-0.603 (-43.4 to 66.6)	-37.4 (-67.9 to 15.3)
2 Neonatal disorders	2 Stroke	85.8 (16.6 to 181)	-13.4 (-41.7 to 20)	<b>-44.4 (-66.2 to -12.9)</b>
3 Congenital defects	3 Chronic kidney disease	266 (133 to 428)	70.9 (13.9 to 141)	10.2 (-31 to 68.7)
4 Stroke	4 Hypertensive heart disease	202 (81.2 to 342)	40.8 (-7.63 to 104)	-20.2 (-52.5 to 30)
5 Lower respiratory infect	5 Congenital defects	-9 (-41.1 to 25.4)	<b>-57.8 (-64.2 to -49.4)</b>	<b>-39.6 (-47.2 to -29)</b>
6 COVID-19	6 Lower respiratory infect	-8.92 (-38.6 to 29.2)	<b>-57.6 (-65.9 to -47.4)</b>	<b>-46.8 (-60.3 to -30.9)</b>
7 Tuberculosis	7 Neonatal disorders	-29.5 (-62.6 to 14.3)	<b>-67.2 (-79.8 to -48.1)</b>	<b>-50.4 (-68.7 to -24.5)</b>
8 Conflict & terror	8 Road injuries	50.6 (-19.3 to 170)	-29.6 (-62.4 to 22.9)	-39.4 (-66.9 to 6.25)
9 Road injuries	9 Diabetes	140 (36.7 to 266)	12.1 (-31.6 to 70.8)	-28.4 (-59 to 21.6)
10 Hypertensive heart disease	10 Cirrhosis liver	96.8 (37.4 to 162)	-8.38 (-23.9 to 10.2)	<b>-39 (-51 to -23.5)</b>
11 Chronic kidney disease	11 COPD	99.9 (23.7 to 189)	-6.82 (-37.3 to 27.6)	<b>-45.1 (-66.1 to -15.3)</b>
12 Pertussis	12 Stomach cancer	116 (43.4 to 201)	0.168 (-15 to 15)	<b>-36.8 (-43.5 to -28.5)</b>
13 Diarrheal diseases	13 Tuberculosis	-20.9 (-55.4 to 30.5)	<b>-63 (-78.3 to -38.4)</b>	<b>-71.3 (-83.9 to -50.8)</b>
14 Cirrhosis liver	14 Conflict & terror	111 (-94.6 to 1330)	-1.9 (-97.4 to 471)	10.6 (-98.4 to 653)
15 COPD	15 Alzheimer's disease	285 (125 to 500)	78.7 (23.1 to 133)	7.08 (1.73 to 12)
16 Maternal disorders	16 Interpersonal violence	61.4 (-16.1 to 154)	-25.2 (-50.7 to 14.7)	<b>-33.5 (-54.9 to -2.22)</b>
17 Diabetes	17 Colorectal cancer	293 (99.6 to 566)	81.9 (9.44 to 183)	15.2 (-22.3 to 71.2)
18 Interpersonal violence	18 Leukemia	156 (55 to 297)	18.5 (-10.7 to 61)	-0.648 (-21.7 to 29)
19 Stomach cancer	19 Falls	84.3 (18.4 to 174)	-14.6 (-32.4 to 10)	-10.7 (-21.4 to 3.99)
20 Falls	20 Lung cancer	284 (107 to 553)	77.9 (14.4 to 166)	9.87 (-23.1 to 52.3)
24 Leukemia	21 Pertussis			
29 Alzheimer's disease	23 Maternal disorders			
31 Colorectal cancer	43 Diarrheal diseases			
34 Lung cancer	132 COVID-19			

### Algeria, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	82.3 (20.1 to 170)	46.8 (0.333 to 115)	-47 (-68.4 to -7.9)
2 Stroke	2 Stroke	84.5 (42 to 140)	48.6 (16.1 to 86.7)	-49.3 (-63.8 to -20.8)
3 Hypertensive heart disease	3 Hypertensive heart disease	265 (161 to 381)	194 (109 to 283)	-0.999 (-35.1 to 46.3)
4 Chronic kidney disease	4 Chronic kidney disease	295 (179 to 444)	218 (132 to 333)	16.4 (-23.3 to 83.4)
5 Road injuries	5 Alzheimer's disease	338 (225 to 476)	252 (177 to 334)	5.04 (1.73 to 8.25)
6 Neonatal disorders	6 COPD	230 (153 to 319)	166 (103 to 238)	-11.4 (-37.9 to 25.2)
7 Lower respiratory infect	7 Lower respiratory infect	162 (96.5 to 235)	111 (69 to 166)	-20.7 (-39.6 to 4.81)
8 Alzheimer's disease	8 Diabetes	169 (86.6 to 262)	116 (58.1 to 198)	-14.5 (-43 to 30.3)
9 Diabetes	9 Road injuries	9.67 (-29.1 to 73)	-11.7 (-40.2 to 35.4)	-30.8 (-54 to 10.8)
10 Congenital defects	10 Cirrhosis liver	108 (63.1 to 154)	67.2 (43.2 to 92.6)	-28.1 (-39.3 to -12.1)
11 COPD	11 Lung cancer	200 (90.1 to 336)	141 (58.3 to 241)	5.62 (-23.2 to 41.2)
12 COVID-19	12 Atrial fibrillation	446 (255 to 683)	339 (193 to 488)	20 (-3.54 to 46.5)
13 Cirrhosis liver	13 Colorectal cancer	270 (113 to 473)	197 (76.2 to 354)	19.8 (-19.5 to 65.7)
14 Lung cancer	14 Other cardiovascular	140 (79.8 to 208)	93.4 (55.4 to 151)	-23.7 (-40.2 to -2.17)
15 Other cardiovascular	15 Parkinson's disease	275 (181 to 386)	202 (135 to 284)	-6.66 (-24.6 to 10.8)
16 Asthma	16 Breast cancer	153 (56.9 to 267)	103 (31.8 to 182)	7.43 (-20.9 to 43.3)
17 Breast cancer	17 Falls	137 (64.6 to 226)	90.3 (41.9 to 157)	-12.3 (-23.6 to 0.791)
18 Falls	18 Neonatal disorders	-52.4 (-71.2 to -22.3)	-61.8 (-74.7 to -38.3)	-40.5 (-60.4 to -8.31)
19 Tuberculosis	19 Urinary diseases	350 (226 to 499)	261 (180 to 383)	20 (-12.3 to 68.1)
20 Colorectal cancer	20 Pancreatic cancer	399 (210 to 664)	301 (149 to 480)	65.5 (15.7 to 123)
22 Parkinson's disease	21 Asthma			
24 Atrial fibrillation	22 Congenital defects			
30 Urinary diseases	32 Tuberculosis			
39 Pancreatic cancer	131 COVID-19			

### Bahrain, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Diabetes	424 (270 to 631)	265 (152 to 410)	-18.3 (-48 to 25.3)
2 Diabetes	2 Ischemic heart disease	162 (69.4 to 280)	82.9 (16.6 to 171)	<b>-56 (-75.1 to -22.1)</b>
3 Stroke	3 Chronic kidney disease	597 (386 to 835)	386 (241 to 571)	10 (-31.7 to 70.8)
4 Chronic kidney disease	4 COPD	700 (471 to 912)	457 (300 to 625)	2.9 (-32.9 to 55.7)
5 COVID-19	5 Lung cancer	592 (302 to 907)	381 (188 to 591)	24.3 (-16.3 to 70.3)
6 Road injuries	6 Stroke	201 (116 to 304)	110 (52.4 to 177)	<b>-57.1 (-71.6 to -33.1)</b>
7 Lung cancer	7 Hypertensive heart disease	688 (446 to 961)	449 (281 to 642)	0.219 (-36.2 to 50.8)
8 COPD	8 Alzheimer's disease	827 (600 to 1060)	544 (396 to 729)	3.21 (-0.123 to 6.98)
9 Cirrhosis liver	9 Lower respiratory infect	476 (338 to 635)	301 (208 to 412)	-12.4 (-35.8 to 20.2)
10 Hypertensive heart disease	10 Cirrhosis liver	282 (215 to 340)	166 (117 to 210)	<b>-30.4 (-42.6 to -14.8)</b>
11 Lower respiratory infect	11 Bacterial skin	848 (561 to 1270)	560 (365 to 836)	36.4 (-20.8 to 117)
12 Breast cancer	12 Colorectal cancer	526 (247 to 825)	335 (156 to 545)	14.1 (-24.1 to 62.3)
13 Colorectal cancer	13 Prostate cancer	958 (530 to 1530)	635 (349 to 1010)	28.7 (-12 to 80.8)
14 Alzheimer's disease	14 Pancreatic cancer	727 (392 to 1100)	475 (270 to 711)	<b>49.7 (5.5 to 111)</b>
15 Self-harm	15 Urinary diseases	629 (437 to 872)	407 (287 to 566)	-5.67 (-23.8 to 17.7)
16 Endo/metab/blood/immune	16 Breast cancer	210 (87.6 to 347)	116 (39.6 to 207)	-21 (-44.2 to 10.7)
17 Bacterial skin	17 Road injuries	69.6 (9.77 to 154)	18.2 (-21.7 to 83.6)	-21.2 (-50.7 to 29.7)
18 Pancreatic cancer	18 Endo/metab/blood/immune	379 (272 to 511)	233 (159 to 326)	10 (-12.3 to 43.8)
19 Urinary diseases	19 Liver cancer	560 (416 to 721)	359 (269 to 481)	21.8 (-5.98 to 61.6)
20 Stomach cancer	20 Parkinson's disease	898 (641 to 1210)	593 (427 to 805)	0.902 (-21.3 to 22.8)
23 Prostate cancer	23 Stomach cancer			
24 Liver cancer	42 Self-harm			
37 Parkinson's disease	129 COVID-19			

### Egypt, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	77 (20.4 to 149)	18 (-19.2 to 68.6)	-30.9 (-59.4 to 11.8)
2 Stroke	2 Chronic kidney disease	300 (200 to 421)	167 (103 to 253)	55.9 (4.16 to 128)
3 Cirrhosis liver	3 Stroke	63.8 (27.8 to 110)	9.14 (-13.4 to 37.5)	-40.6 (-57.2 to -15.6)
4 Chronic kidney disease	4 Cirrhosis liver	60.6 (34.9 to 86.1)	6.96 (-7.7 to 22)	-35.9 (-46.1 to -23.9)
5 COVID-19	5 Diabetes	156 (92.7 to 229)	70.5 (29.3 to 121)	5.89 (-29.3 to 48.1)
6 Diabetes	6 Hypertensive heart disease	168 (96.2 to 255)	78.9 (37.7 to 140)	-4.69 (-36.1 to 42.1)
7 Hypertensive heart disease	7 Lower respiratory infect	42.1 (13.3 to 75.2)	-5.39 (-21 to 14.9)	-31.5 (-44.4 to -13.8)
8 Lower respiratory infect	8 Liver cancer	147 (109 to 194)	64.3 (41.2 to 96.1)	2.87 (-16.4 to 23.5)
9 Liver cancer	9 Lung cancer	181 (85.6 to 296)	86.8 (20.5 to 163)	18.6 (-14.7 to 53.4)
10 Congenital defects	10 COPD	136 (81.1 to 208)	57.5 (23.8 to 106)	-13.9 (-40.6 to 24.5)
11 Road injuries	11 Alzheimer's disease	276 (159 to 404)	150 (77.1 to 229)	14.7 (10.8 to 18.1)
12 COPD	12 Breast cancer	159 (66.3 to 261)	72.1 (13.5 to 143)	19.1 (-18.2 to 58.4)
13 Lung cancer	13 Colorectal cancer	199 (84.4 to 342)	98.9 (23.1 to 199)	25.4 (-14.7 to 72.9)
14 Other cardiovascular	14 Pancreatic cancer	334 (183 to 531)	189 (78 to 311)	78.5 (24.5 to 139)
15 Alzheimer's disease	15 Brain cancer	182 (143 to 226)	88.1 (67.3 to 111)	38.4 (30.6 to 47.1)
16 Breast cancer	16 Road injuries	13.7 (-32.2 to 88.8)	-24.2 (-53.8 to 27.1)	-33.1 (-59.8 to 14.2)
17 Neonatal disorders	17 Other cardiovascular	53.5 (27.2 to 87.7)	2.24 (-13.9 to 20.1)	-28.3 (-42.5 to -14.5)
18 Colorectal cancer	18 Leukemia	118 (67 to 184)	45.4 (12.7 to 90.8)	5.23 (-13.4 to 28.6)
19 Brain cancer	19 Congenital defects	-33.2 (-46.4 to -18.5)	-55.6 (-61.8 to -48.5)	-43.3 (-50.7 to -35.4)
20 Leukemia	20 Stomach cancer	61.2 (28.8 to 93.4)	7.34 (-12.3 to 27.9)	-32.9 (-40.6 to -23.7)
21 Stomach cancer	27 Neonatal disorders			
22 Pancreatic cancer	132 COVID-19			

### Iran, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	70.6 (11.6 to 150)	46.2 (-4.17 to 122)	-51.7 (-71.8 to -19.9)
2 Stroke	2 Hypertensive heart disease	292 (181 to 412)	236 (144 to 360)	4.68 (-29.8 to 57.2)
3 Hypertensive heart disease	3 Alzheimer's disease	373 (257 to 492)	304 (215 to 394)	4.14 (1.21 to 6.9)
4 COVID-19	4 Stroke	59.8 (21 to 108)	36.9 (1.74 to 82.1)	-56.6 (-69.9 to -36)
5 Road injuries	5 Chronic kidney disease	326 (202 to 463)	265 (162 to 400)	20.1 (-17.9 to 80.9)
6 Alzheimer's disease	6 Diabetes	196 (113 to 303)	154 (80.6 to 248)	-14.4 (-42.4 to 27.8)
7 Diabetes	7 COPD	245 (155 to 338)	196 (119 to 291)	-7.28 (-37.6 to 35.6)
8 Chronic kidney disease	8 Lung cancer	237 (122 to 384)	188 (92.3 to 309)	8.63 (-20.8 to 45.1)
9 COPD	9 Lower respiratory infect	165 (115 to 217)	127 (82.9 to 168)	-24.8 (-41.3 to -3.76)
10 Lower respiratory infect	10 Road injuries	18 (-22.2 to 81.7)	1.13 (-34.5 to 56.4)	-19.6 (-49.1 to 30.2)
11 Stomach cancer	11 Stomach cancer	105 (73.1 to 144)	75.7 (51.8 to 106)	-35.7 (-42.7 to -27.2)
12 Lung cancer	12 Colorectal cancer	231 (100 to 387)	183 (76.8 to 313)	6.04 (-27.5 to 46.1)
13 Cirrhosis liver	13 Cirrhosis liver	135 (101 to 166)	101 (76 to 130)	-20.3 (-31.8 to -3.64)
14 Colorectal cancer	14 Prostate cancer	288 (137 to 467)	231 (106 to 380)	-3.07 (-30.7 to 32.3)
15 Other cardiovascular	15 Pancreatic cancer	369 (197 to 570)	300 (161 to 456)	49.2 (3.65 to 98.2)
16 Breast cancer	16 Brain cancer	201 (160 to 246)	157 (131 to 182)	29.9 (22.8 to 36.3)
17 Brain cancer	17 Other cardiovascular	153 (108 to 203)	117 (82.2 to 157)	-25 (-40.3 to -6.9)
18 Leukemia	18 Atrial fibrillation	415 (273 to 567)	341 (224 to 471)	12.7 (-7.12 to 33.2)
19 Self-harm	19 Parkinson's disease	272 (204 to 352)	218 (163 to 292)	-8.84 (-23.8 to 8.64)
20 Prostate cancer	20 Leukemia	141 (79.6 to 222)	106 (55.7 to 165)	-3.94 (-22 to 16.1)
24 Pancreatic cancer	21 Breast cancer			
26 Parkinson's disease	31 Self-harm			
32 Atrial fibrillation	132 COVID-19			



### Iraq, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	65.2 (-6.65 to 166)	12.1 (-30.8 to 73.5)	<b>-52.1 (-73.3 to -16.4)</b>
2 Stroke	2 Stroke	60.3 (-0.583 to 134)	8.74 (-22.2 to 50.8)	<b>-54.9 (-70.3 to -29.8)</b>
3 Conflict & terror	3 Chronic kidney disease	<b>269 (116 to 444)</b>	<b>151 (77.1 to 253)</b>	9.16 (-28.7 to 73.9)
4 COVID-19	4 Conflict & terror	618 (-96.2 to 4310)	400 (-97.7 to 2830)	413 (-97.7 to 2900)
5 Diabetes	5 Diabetes	<b>130 (40.6 to 244)</b>	<b>56.2 (11.6 to 126)</b>	-29.8 (-53.8 to 12.8)
6 Chronic kidney disease	6 Hypertensive heart disease	<b>266 (124 to 417)</b>	<b>148 (73.9 to 243)</b>	-4.56 (-39.6 to 49.1)
7 Neonatal disorders	7 Alzheimer's disease	<b>378 (183 to 597)</b>	<b>223 (127 to 318)</b>	<b>4.06 (1.28 to 7.01)</b>
8 Hypertensive heart disease	8 Lung cancer	<b>231 (78.5 to 433)</b>	<b>124 (40.6 to 217)</b>	1.13 (-28.6 to 36.8)
9 Road injuries	9 Road injuries	38.4 (-19.8 to 120)	-5.92 (-40.5 to 49.4)	-25.6 (-54.1 to 19)
10 Lung cancer	10 Cirrhosis liver	<b>129 (56.6 to 198)</b>	<b>55 (29.3 to 83.5)</b>	<b>-24.1 (-36.2 to -6.57)</b>
11 Congenital defects	11 COPD	<b>217 (100 to 357)</b>	<b>115 (58.3 to 200)</b>	-14.2 (-42.6 to 27.8)
12 Interpersonal violence	12 Breast cancer	<b>156 (51.5 to 290)</b>	<b>73.1 (15.1 to 137)</b>	0.0411 (-29.3 to 32.2)
13 Mechanical forces	13 Pancreatic cancer	<b>396 (172 to 692)</b>	<b>235 (111 to 384)</b>	<b>56.2 (9.34 to 116)</b>
14 Lower respiratory infect	14 Lower respiratory infect	<b>58.6 (6.52 to 114)</b>	7.65 (-14 to 36.1)	<b>-30.4 (-45.9 to -8)</b>
15 Alzheimer's disease	15 Brain cancer	<b>219 (118 to 306)</b>	<b>116 (91.3 to 139)</b>	<b>36.9 (30.2 to 44.6)</b>
16 Cirrhosis liver	16 Mechanical forces	20.8 (-19.9 to 70.2)	-18 (-35.6 to 8.92)	<b>-30.4 (-44.7 to -5.69)</b>
17 Breast cancer	17 Colorectal cancer	<b>239 (76.7 to 436)</b>	<b>128 (38.1 to 235)</b>	8.33 (-27 to 49.5)
18 COPD	18 Interpersonal violence	-0.927 (-49 to 72.6)	-33.1 (-59.6 to 12.5)	-39.9 (-64.1 to 1.87)
19 Self-harm	19 Liver cancer	<b>247 (122 to 366)</b>	<b>135 (86.3 to 192)</b>	12.4 (-13.7 to 46.2)
20 Brain cancer	20 Parkinson's disease	<b>322 (168 to 522)</b>	<b>185 (118 to 263)</b>	-2.33 (-19.1 to 17)
22 Colorectal cancer	24 Neonatal disorders			
26 Pancreatic cancer	26 Self-harm			
27 Liver cancer	28 Congenital defects			
31 Parkinson's disease	131 COVID-19			

### Jordan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	142 (57.4 to 252)	34.2 (-14.2 to 102)	<b>-52.9 (-71.6 to -21.2)</b>
2 Stroke	2 Hypertensive heart disease	477 (304 to 678)	220 (122 to 331)	-3.57 (-36.4 to 42)
3 COVID-19	3 Chronic kidney disease	457 (294 to 652)	209 (118 to 331)	5.64 (-28.7 to 54.6)
4 Diabetes	4 Stroke	138 (76.3 to 206)	32.1 (-3.51 to 70.5)	<b>-58.6 (-70.8 to -45.2)</b>
5 Chronic kidney disease	5 Diabetes	233 (143 to 342)	84.6 (30.6 to 144)	<b>-34.3 (-55.1 to -8.97)</b>
6 Hypertensive heart disease	6 Alzheimer's disease	703 (520 to 927)	345 (247 to 450)	-0.723 (-3.28 to 1.77)
7 Road injuries	7 COPD	431 (284 to 582)	195 (116 to 285)	-7.62 (-34.1 to 30.2)
8 Neonatal disorders	8 Lung cancer	283 (157 to 432)	112 (47.3 to 194)	-5.59 (-31 to 24.8)
9 Lower respiratory infect	9 Lower respiratory infect	213 (146 to 298)	73.7 (36 to 129)	<b>-31.1 (-44.8 to -10.6)</b>
10 Alzheimer's disease	10 Colorectal cancer	325 (153 to 537)	135 (45.3 to 249)	-3.16 (-33.2 to 34.2)
11 Congenital defects	11 Road injuries	65.4 (8.62 to 151)	-8.14 (-39.7 to 39.9)	-24.5 (-51.7 to 19.1)
12 Lung cancer	12 Breast cancer	194 (99.3 to 300)	62.9 (11.1 to 118)	-15.9 (-38.9 to 12.1)
13 Breast cancer	13 Cirrhosis liver	219 (174 to 275)	77 (50.6 to 105)	<b>-28 (-39.2 to -14.1)</b>
14 Colorectal cancer	14 Leukemia	222 (159 to 294)	78.7 (51 to 115)	-3.92 (-13.6 to 7.8)
15 COPD	15 Pancreatic cancer	469 (265 to 713)	216 (104 to 345)	32.4 (-3.47 to 81.3)
16 Cirrhosis liver	16 Prostate cancer	519 (274 to 851)	243 (113 to 419)	-1.72 (-28.7 to 36.7)
17 Leukemia	17 Parkinson's disease	503 (362 to 656)	234 (164 to 318)	-12.1 (-27.6 to 6.93)
18 Interpersonal violence	18 Brain cancer	270 (230 to 316)	105 (85.7 to 124)	<b>23.4 (15.8 to 30.2)</b>
19 Lymphoma	19 Lymphoma	218 (116 to 338)	76.3 (23.6 to 141)	-12.1 (-34.2 to 14.2)
20 Brain cancer	20 Atrial fibrillation	779 (526 to 1040)	387 (255 to 536)	6.21 (-9.26 to 26.6)
22 Pancreatic cancer	21 Neonatal disorders			
24 Prostate cancer	24 Congenital defects			
26 Parkinson's disease	35 Interpersonal violence			
39 Atrial fibrillation	132 COVID-19			

### Kuwait, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	193 (97.2 to 342)	97.3 (31.4 to 196)	-47.2 (-65.1 to -16.2)
2 Stroke	2 Alzheimer's disease	744 (594 to 909)	468 (388 to 542)	8.67 (5.43 to 11.6)
3 Lower respiratory infect	3 Chronic kidney disease	877 (575 to 1280)	558 (352 to 810)	53 (3.8 to 128)
4 Diabetes	4 Hypertensive heart disease	892 (615 to 1310)	568 (381 to 829)	38.6 (-4.66 to 108)
5 Alzheimer's disease	5 Lower respiratory infect	445 (313 to 610)	267 (190 to 366)	-15.1 (-34.1 to 10.7)
6 Road injuries	6 Diabetes	430 (290 to 634)	257 (162 to 390)	-23.4 (-43.8 to 10.6)
7 Chronic kidney disease	7 Stroke	207 (133 to 305)	107 (62.7 to 170)	-53.4 (-64.3 to -35.1)
8 Hypertensive heart disease	8 Colorectal cancer	445 (233 to 685)	266 (133 to 416)	-5.62 (-35.2 to 24.4)
9 Colorectal cancer	9 Lung cancer	494 (289 to 761)	300 (169 to 459)	-4.59 (-31.7 to 26.1)
10 Lung cancer	10 Pancreatic cancer	657 (401 to 958)	409 (245 to 577)	30 (-7.23 to 68.2)
11 COVID-19	11 Road injuries	94.3 (34.3 to 193)	30.9 (-9.64 to 98.1)	-13.6 (-42.8 to 38.7)
12 Congenital defects	12 Prostate cancer	621 (343 to 975)	385 (208 to 591)	-12.2 (-40 to 19.5)
13 Cirrhosis liver	13 Cirrhosis liver	325 (245 to 416)	186 (147 to 232)	-27.1 (-36.4 to -13.5)
14 Breast cancer	14 Breast cancer	297 (152 to 451)	167 (78.4 to 262)	3.19 (-25.2 to 32.4)
15 Falls	15 Urinary diseases	887 (593 to 1210)	565 (382 to 786)	41.7 (-1.56 to 103)
16 Pancreatic cancer	16 Atrial fibrillation	822 (615 to 1060)	520 (402 to 657)	26.1 (4.47 to 53.6)
17 Neonatal disorders	17 Parkinson's disease	677 (515 to 877)	422 (325 to 539)	-7.51 (-23.7 to 12.9)
18 Prostate cancer	18 Falls	256 (173 to 353)	139 (87.1 to 189)	-18.1 (-29.8 to -4.83)
19 Self-harm	19 Bladder cancer	510 (375 to 692)	310 (224 to 405)	-11.8 (-25.4 to 4.12)
20 Lymphoma	20 COPD	617 (410 to 921)	383 (251 to 556)	-3.25 (-34.4 to 37.9)
22 Parkinson's disease	21 Lymphoma			
23 Bladder cancer	40 Self-harm			
25 Atrial fibrillation	42 Congenital defects			
27 Urinary diseases	54 Neonatal disorders			
28 COPD	129 COVID-19			

### Lebanon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	19.1 (-25.6 to 84.4)	13.5 (-26.1 to 74.6)	-41.6 (-67.4 to 0.608)
2 COVID-19	2 Chronic kidney disease	158 (75.8 to 253)	146 (74.7 to 255)	24.9 (-19.1 to 104)
3 Stroke	3 Alzheimer's disease	137 (71.6 to 208)	126 (75.2 to 176)	10 (7.01 to 13.4)
4 Chronic kidney disease	4 Lung cancer	135 (51 to 233)	123 (52.3 to 206)	9.44 (-20.1 to 43.8)
5 Lower respiratory infect	5 Lower respiratory infect	69.2 (25.9 to 115)	61.1 (31.1 to 96)	-17.2 (-36.9 to 6.77)
6 Diabetes	6 Diabetes	69.8 (14.1 to 125)	61.7 (17.3 to 111)	-19.3 (-43.9 to 17.7)
7 Alzheimer's disease	7 Stroke	11.1 (-21.2 to 51.7)	5.86 (-21.1 to 40.6)	-45.3 (-62.1 to -18.7)
8 Lung cancer	8 COPD	110 (44.5 to 188)	100 (46.8 to 168)	0.547 (-34.5 to 52.4)
9 COPD	9 Hypertensive heart disease	111 (39.5 to 192)	101 (42.7 to 169)	2.03 (-34.5 to 55.6)
10 Hypertensive heart disease	10 Colorectal cancer	129 (38.2 to 246)	118 (40.4 to 218)	8.06 (-25.9 to 49.7)
11 Cirrhosis liver	11 Breast cancer	95 (19.4 to 190)	85.5 (21.2 to 171)	-4.34 (-33 to 29)
12 Colorectal cancer	12 Cirrhosis liver	60.2 (29.3 to 91)	52.7 (32.1 to 73.2)	-20.6 (-33.7 to -4.41)
13 Breast cancer	13 Prostate cancer	92.3 (19 to 191)	83.1 (17.7 to 172)	-9.95 (-35.2 to 22.8)
14 Prostate cancer	14 Bladder cancer	102 (49.6 to 173)	92.6 (49.4 to 148)	-4.7 (-19.6 to 13.6)
15 Bladder cancer	15 Urinary diseases	169 (104 to 253)	156 (95.7 to 225)	28.7 (-7.27 to 76.6)
16 Road injuries	16 Pancreatic cancer	216 (94.6 to 366)	200 (91.7 to 330)	47.5 (-0.363 to 104)
17 Falls	17 Lymphoma	91.3 (28.9 to 166)	82.2 (30 to 149)	-4.82 (-27.8 to 20.5)
18 Lymphoma	18 Falls	75 (28.2 to 130)	66.5 (27.8 to 112)	-9.55 (-21.9 to 0.873)
19 Urinary diseases	19 Atrial fibrillation	150 (80.1 to 233)	138 (75.2 to 201)	16.8 (-3.84 to 43.2)
20 Stomach cancer	20 Leukemia	88.8 (33.3 to 159)	79.8 (31.4 to 140)	-1.85 (-22.5 to 22)
21 Leukemia	22 Road injuries			
22 Pancreatic cancer	24 Stomach cancer			
26 Atrial fibrillation	132 COVID-19			

### Libya, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	82.4 (6.91 to 170)	84.5 (13.9 to 183)	-37.1 (-63.9 to 8.24)
2 COVID-19	2 Chronic kidney disease	319 (181 to 467)	323 (201 to 501)	40.7 (-4.6 to 118)
3 Stroke	3 Hypertensive heart disease	332 (187 to 479)	336 (203 to 483)	29.9 (-16 to 95.9)
4 Road injuries	4 Stroke	67.9 (13.7 to 140)	69.5 (22.2 to 140)	<b>-44.9 (-62.9 to -12.9)</b>
5 Chronic kidney disease	5 Alzheimer's disease	355 (199 to 509)	357 (234 to 479)	<b>23.7 (20.3 to 27.1)</b>
6 Hypertensive heart disease	6 Lung cancer	241 (100 to 379)	242 (123 to 387)	14.5 (-19.7 to 53.1)
7 Lung cancer	7 COPD	255 (152 to 379)	258 (161 to 388)	9.41 (-24.6 to 66.8)
8 Diabetes	8 Diabetes	153 (65.8 to 267)	156 (75.9 to 284)	-14.3 (-43.3 to 38.4)
9 Conflict & terror	9 Road injuries	7.08 (-34 to 73.1)	8.26 (-31.6 to 81.4)	-14 (-46.6 to 47.6)
10 Cirrhosis liver	10 Lower respiratory infect	154 (93 to 214)	156 (107 to 216)	-9.97 (-31 to 27)
11 Alzheimer's disease	11 Colorectal cancer	248 (95.3 to 429)	249 (118 to 433)	19.6 (-16.8 to 67.9)
12 Lower respiratory infect	12 Cirrhosis liver	109 (59.9 to 158)	111 (73.8 to 152)	<b>-22.4 (-34.9 to -2.9)</b>
13 COPD	13 Pancreatic cancer	380 (182 to 613)	382 (213 to 612)	<b>63 (13.4 to 120)</b>
14 Congenital defects	14 Liver cancer	242 (157 to 333)	245 (176 to 334)	<b>26.2 (0.187 to 66.2)</b>
15 Colorectal cancer	15 Conflict & terror	inf (-100 to nan)	inf (-100 to nan)	inf (-100 to nan)
16 Neonatal disorders	16 Prostate cancer	320 (131 to 548)	320 (152 to 528)	8.01 (-25.1 to 47.2)
17 Other cardiovascular	17 Bladder cancer	265 (141 to 417)	267 (167 to 378)	7.45 (-12.6 to 30.5)
18 Breast cancer	18 Lymphoma	175 (71.9 to 292)	176 (82.7 to 290)	7.54 (-23.6 to 37.5)
19 Liver cancer	19 Breast cancer	144 (42.5 to 270)	145 (56.7 to 261)	11 (-23.7 to 51.7)
20 Pancreatic cancer	20 Parkinson's disease	298 (192 to 412)	301 (225 to 397)	3.72 (-12.9 to 26.8)
23 Lymphoma	22 Other cardiovascular			
28 Bladder cancer	38 Congenital defects			
29 Prostate cancer	57 Neonatal disorders			
30 Parkinson's disease	131 COVID-19			

### Morocco, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	46.6 (-3.43 to 117)	38.2 (-7.38 to 101)	-34.2 (-62.8 to 18.7)
2 Stroke	2 Stroke	40.2 (6.69 to 86.8)	32 (1.79 to 72.2)	-39.8 (-60.3 to -8.18)
3 COVID-19	3 Chronic kidney disease	210 (125 to 308)	192 (121 to 277)	38.6 (-10.3 to 113)
4 Hypertensive heart disease	4 Hypertensive heart disease	125 (65.7 to 192)	112 (56.4 to 176)	-6.51 (-40.7 to 45.5)
5 Chronic kidney disease	5 Alzheimer's disease	223 (106 to 371)	203 (97.9 to 320)	10.1 (7.05 to 13.3)
6 Road injuries	6 Diabetes	90.5 (36.2 to 157)	79.3 (30.3 to 144)	-10.5 (-41.3 to 33.8)
7 Diabetes	7 COPD	96.8 (48.6 to 151)	85.2 (43 to 131)	-17.2 (-45.7 to 24.5)
8 Lower respiratory infect	8 Lower respiratory infect	59.4 (27.8 to 92.2)	49.9 (24.1 to 75.7)	-28.2 (-46 to -2.98)
9 COPD	9 Lung cancer	101 (21.5 to 203)	88.3 (16.9 to 178)	-2.25 (-33 to 35)
10 Alzheimer's disease	10 Road injuries	-8.42 (-42.6 to 46.5)	-13.7 (-43.6 to 34.6)	-34.5 (-59.6 to 6.8)
11 Cirrhosis liver	11 Cirrhosis liver	45 (22.7 to 71.3)	36.3 (19.1 to 56.1)	-30.4 (-42 to -15.7)
12 Lung cancer	12 Colorectal cancer	153 (45 to 314)	137 (36.9 to 281)	20.5 (-19.3 to 70.2)
13 Neonatal disorders	13 Parkinson's disease	160 (92.2 to 251)	144 (90.3 to 202)	-1.02 (-17.3 to 19.2)
14 Asthma	14 Other cardiovascular	64.8 (32.5 to 104)	54.8 (32.9 to 82)	-25.2 (-41.5 to -4.95)
15 Tuberculosis	15 Atrial fibrillation	260 (134 to 456)	237 (121 to 382)	23.3 (2.98 to 45.1)
16 Colorectal cancer	16 Breast cancer	93.6 (26.3 to 198)	81.2 (20 to 163)	11.9 (-18.6 to 51.6)
17 Other cardiovascular	17 Falls	75.5 (26.3 to 139)	64.7 (23.1 to 108)	-13.2 (-22.4 to -3.4)
18 Breast cancer	18 Lymphoma	119 (37.6 to 223)	106 (34.7 to 195)	9.23 (-19.3 to 43.3)
19 Falls	19 Asthma	-11.7 (-29.6 to 10.5)	-17.1 (-29.7 to 0.793)	-61.4 (-69.8 to -49.4)
20 Parkinson's disease	20 Urinary diseases	174 (111 to 253)	158 (112 to 229)	13.7 (-17.8 to 57.6)
23 Lymphoma	24 Tuberculosis			
25 Atrial fibrillation	29 Neonatal disorders			
27 Urinary diseases	131 COVID-19			

### Oman, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	246 (132 to 410)	136 (56.8 to 253)	-41 (-65.7 to 0.337)
2 Road injuries	2 Chronic kidney disease	751 (549 to 1010)	480 (327 to 681)	45 (-2.96 to 119)
3 Stroke	3 Hypertensive heart disease	779 (551 to 1040)	499 (337 to 692)	31.1 (-15.6 to 93.4)
4 Diabetes	4 Diabetes	472 (323 to 657)	289 (178 to 413)	0.142 (-32 to 59.1)
5 Chronic kidney disease	5 Stroke	224 (144 to 329)	121 (67.9 to 206)	<b>-46.7 (-63.9 to -16.5)</b>
6 Hypertensive heart disease	6 Lower respiratory infect	412 (309 to 538)	249 (176 to 340)	2.53 (-22.8 to 41.7)
7 Lower respiratory infect	7 Road injuries	78 (13.1 to 178)	21.4 (-24.2 to 91.6)	-17.3 (-50.7 to 40.5)
8 COVID-19	8 Alzheimer's disease	774 (547 to 1030)	494 (341 to 656)	17 (13.6 to 21)
9 Neonatal disorders	9 COPD	641 (446 to 849)	405 (267 to 564)	12.3 (-28 to 62.9)
10 Other cardiovascular	10 Other cardiovascular	339 (261 to 431)	199 (150 to 265)	-14.5 (-34.2 to 13)
11 Cirrhosis liver	11 Cirrhosis liver	320 (248 to 399)	186 (136 to 233)	<b>-21.5 (-34.5 to -2.94)</b>
12 Alzheimer's disease	12 Lung cancer	608 (337 to 893)	381 (209 to 580)	19.8 (-17.9 to 63.6)
13 Congenital defects	13 Liver cancer	625 (459 to 798)	394 (285 to 513)	<b>34.4 (5.35 to 74.2)</b>
14 COPD	14 Parkinson's disease	769 (543 to 1060)	491 (345 to 662)	21.3 (-2.64 to 52.7)
15 Falls	15 Cardiomyopathy	351 (275 to 447)	206 (161 to 264)	<b>-11.9 (-21.2 to -0.693)</b>
16 Cardiomyopathy	16 Urinary diseases	748 (545 to 1050)	478 (334 to 670)	44.9 (-3.02 to 131)
17 Stomach cancer	17 Colorectal cancer	644 (329 to 1020)	406 (208 to 656)	30.3 (-17.2 to 83.8)
18 Upper respiratory infect	18 Upper respiratory infect	417 (307 to 539)	252 (186 to 332)	5.94 (-3.13 to 13.2)
19 Lung cancer	19 Falls	232 (146 to 325)	125 (72.1 to 189)	-4.01 (-17.3 to 12.1)
20 Lymphoma	20 Lymphoma	417 (216 to 621)	251 (122 to 393)	9.76 (-24.8 to 47.7)
21 Liver cancer	22 Stomach cancer			
26 Colorectal cancer	34 Neonatal disorders			
27 Parkinson's disease	37 Congenital defects			
30 Urinary diseases	133 COVID-19			

### Palestine, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	110 (39.1 to 204)	52.7 (1.67 to 126)	-36.8 (-63.8 to 7.06)
2 COVID-19	2 Chronic kidney disease	375 (257 to 527)	245 (158 to 368)	45.6 (-2.77 to 120)
3 Stroke	3 Stroke	105 (60.6 to 158)	49.1 (15.1 to 87.6)	<b>-42.4 (-60.5 to -17.4)</b>
4 Diabetes	4 Diabetes	204 (126 to 299)	121 (62.2 to 193)	-8.92 (-38.2 to 27.4)
5 Conflict & terror	5 Hypertensive heart disease	286 (197 to 425)	181 (109 to 284)	1.51 (-35.5 to 59.8)
6 Chronic kidney disease	6 Lung cancer	214 (108 to 360)	128 (49.8 to 226)	1.06 (-27.9 to 34.3)
7 Hypertensive heart disease	7 Alzheimer's disease	337 (225 to 469)	217 (142 to 300)	<b>4.85 (1.66 to 8.14)</b>
8 Neonatal disorders	8 Conflict & terror	2350 (-98.6 to 20300)	1660 (-98.9 to 13500)	1680 (-98.9 to 13600)
9 Lower respiratory infect	9 Lower respiratory infect	118 (78.7 to 171)	58.4 (31.1 to 92)	-20.7 (-38.2 to 3.3)
10 Lung cancer	10 Colorectal cancer	252 (116 to 446)	155 (53.9 to 282)	11 (-25.5 to 56.1)
11 Congenital defects	11 COPD	233 (154 to 309)	142 (84.6 to 200)	-6.55 (-36.5 to 34.1)
12 Colorectal cancer	12 Breast cancer	181 (85.1 to 301)	104 (36.4 to 185)	0.476 (-29.3 to 36.4)
13 Alzheimer's disease	13 Brain cancer	245 (196 to 297)	150 (124 to 180)	<b>42 (34.6 to 50.7)</b>
14 Road injuries	14 Cirrhosis liver	145 (112 to 186)	78.2 (55.5 to 106)	<b>-23.8 (-36.1 to -6.17)</b>
15 Breast cancer	15 Pancreatic cancer	388 (204 to 627)	255 (124 to 414)	<b>53 (5.17 to 111)</b>
16 Cirrhosis liver	16 Prostate cancer	341 (171 to 565)	220 (102 to 382)	16.2 (-17.4 to 58.8)
17 COPD	17 Liver cancer	262 (205 to 334)	163 (124 to 218)	16.7 (-6.8 to 48.6)
18 Interpersonal violence	18 Road injuries	31.6 (-18.4 to 105)	-4.34 (-40.9 to 51.5)	-25.5 (-55.6 to 22.7)
19 Brain cancer	19 Leukemia	121 (88.8 to 160)	60.7 (43.3 to 82.2)	<b>-9.24 (-15.1 to -1.23)</b>
20 Leukemia	20 Atrial fibrillation	384 (247 to 565)	251 (150 to 366)	19.8 (-0.704 to 45.5)
21 Liver cancer	25 Neonatal disorders			
24 Prostate cancer	26 Congenital defects			
25 Pancreatic cancer	29 Interpersonal violence			
34 Atrial fibrillation	131 COVID-19			



### Qatar, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Diabetes	1090 (765 to 1560)	417 (267 to 640)	-18.6 (-42.9 to 19.7)
2 Road injuries	2 Ischemic heart disease	591 (342 to 886)	201 (98.2 to 334)	-46.3 (-66.4 to -12.3)
3 Diabetes	3 Chronic kidney disease	1790 (1260 to 2530)	721 (498 to 1020)	35 (-7.42 to 110)
4 Stroke	4 Stroke	678 (496 to 889)	239 (160 to 332)	-46.6 (-59.4 to -28.1)
5 COVID-19	5 Liver cancer	1700 (1370 to 2060)	683 (535 to 848)	36 (10.2 to 69.1)
6 Chronic kidney disease	6 Alzheimer's disease	2040 (1580 to 2550)	832 (642 to 1030)	12.1 (8.05 to 16.1)
7 Cirrhosis liver	7 Road injuries	228 (114 to 396)	42.6 (-5.55 to 120)	-13.6 (-44.3 to 37.6)
8 Liver cancer	8 Lung cancer	1180 (815 to 1700)	456 (303 to 684)	6.27 (-22.9 to 39.8)
9 Lung cancer	9 Hypertensive heart disease	2050 (1410 to 2780)	836 (554 to 1150)	29.5 (-15.4 to 89.4)
10 Lower respiratory infect	10 Cirrhosis liver	822 (660 to 977)	301 (230 to 366)	-22.8 (-33.3 to -10.8)
11 Self-harm	11 Lower respiratory infect	972 (738 to 1230)	366 (271 to 476)	-5.94 (-26.4 to 21.8)
12 Falls	12 Prostate cancer	2420 (1590 to 3480)	997 (643 to 1410)	28.9 (-5.44 to 76.9)
13 Breast cancer	13 Colorectal cancer	1140 (692 to 1670)	441 (243 to 653)	1.52 (-31.2 to 42)
14 Colorectal cancer	14 COPD	1690 (1210 to 2230)	677 (473 to 933)	6.9 (-22.3 to 49.7)
15 Alzheimer's disease	15 Pancreatic cancer	1630 (1040 to 2210)	652 (401 to 880)	35.9 (-5.65 to 74.9)
16 Hypertensive heart disease	16 Breast cancer	672 (402 to 968)	235 (122 to 376)	-19.8 (-42.1 to 11.6)
17 Congenital defects	17 Parkinson's disease	2230 (1740 to 2810)	914 (715 to 1150)	10.6 (-9.66 to 37.6)
18 Mechanical forces	18 Falls	452 (300 to 654)	140 (75.5 to 223)	-4.41 (-19.6 to 18.9)
19 COPD	19 Brain cancer	958 (741 to 1270)	360 (274 to 487)	42.7 (29.2 to 61.2)
20 Pancreatic cancer	20 Bacterial skin	3140 (2080 to 4590)	1310 (847 to 1880)	115 (36.4 to 251)
21 Prostate cancer	32 Self-harm			
25 Brain cancer	39 Mechanical forces			
32 Parkinson's disease	51 Congenital defects			
44 Bacterial skin	129 COVID-19			

### Saudi Arabia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	537 (349 to 781)	431 (281 to 634)	32.4 (-6.9 to 100)
2 Road injuries	2 Ischemic heart disease	141 (52.2 to 261)	101 (31.6 to 199)	-43.5 (-65.2 to -8.43)
3 Stroke	3 Hypertensive heart disease	655 (425 to 924)	529 (347 to 741)	25 (-17 to 82.7)
4 Chronic kidney disease	4 Stroke	172 (96.5 to 279)	127 (69.5 to 205)	-48 (-62.9 to -22.1)
5 Hypertensive heart disease	5 Road injuries	50.1 (-5.57 to 130)	25.3 (-17.8 to 90.5)	-8.4 (-41.8 to 50)
6 Cirrhosis liver	6 Lower respiratory infect	333 (231 to 482)	261 (181 to 360)	-5.27 (-28 to 26.8)
7 Diabetes	7 Diabetes	294 (179 to 440)	229 (140 to 337)	-11.8 (-38.5 to 24.9)
8 Lower respiratory infect	8 Cirrhosis liver	245 (177 to 326)	187 (139 to 238)	-22.9 (-33.2 to -8.69)
9 Interpersonal violence	9 COPD	540 (356 to 774)	434 (295 to 623)	9.9 (-26.8 to 58.6)
10 Self-harm	10 Alzheimer's disease	910 (613 to 1210)	740 (552 to 946)	13.1 (9.87 to 15.8)
11 COPD	11 Colorectal cancer	416 (202 to 653)	329 (171 to 510)	20.9 (-17.1 to 61.8)
12 Alzheimer's disease	12 Liver cancer	576 (432 to 776)	463 (360 to 586)	28.2 (2.94 to 61.4)
13 Colorectal cancer	13 Lung cancer	452 (239 to 667)	359 (204 to 519)	14.1 (-19.5 to 50.3)
14 COVID-19	14 Parkinson's disease	731 (533 to 995)	592 (451 to 745)	0.511 (-19.7 to 24.4)
15 Fire & heat	15 Urinary diseases	725 (473 to 1040)	588 (390 to 796)	43.2 (-1.16 to 116)
16 Mechanical forces	16 Interstitial lung disease	473 (342 to 639)	378 (281 to 488)	12.2 (-1.76 to 29.7)
17 Breast cancer	17 Pancreatic cancer	642 (363 to 937)	517 (299 to 764)	57 (9.44 to 109)
18 Lung cancer	18 Endo/metab/blood/immune	314 (212 to 444)	245 (174 to 332)	26.8 (4.41 to 54.1)
19 Congenital defects	19 Other cardiovascular	263 (180 to 364)	202 (143 to 268)	-15.4 (-32 to 2.57)
20 Asthma	20 Lymphoma	289 (146 to 447)	224 (117 to 349)	5.24 (-23.1 to 34.8)
21 Liver cancer	21 Breast cancer			
23 Other cardiovascular	22 Self-harm			
24 Endo/metab/blood/immune	26 Interpersonal violence			
26 Lymphoma	31 Asthma			
31 Interstitial lung disease	41 Fire & heat			
33 Parkinson's disease	42 Mechanical forces			
34 Urinary diseases	50 Congenital defects			

### Sudan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>98.7 (9.52 to 213)</b>	32.3 (-24.6 to 112)	-39.5 (-69.8 to 9.04)
2 Stroke	2 HIV/AIDS	514 (-31.5 to 3590)	312 (-56.4 to 2300)	186 (-67.8 to 1650)
3 COVID-19	3 Stroke	<b>85.1 (24 to 155)</b>	23.2 (-15.4 to 70.5)	<b>-44 (-64.1 to -13.3)</b>
4 Neonatal disorders	4 Hypertensive heart disease	<b>245 (121 to 374)</b>	<b>129 (49.7 to 212)</b>	-3.26 (-40.7 to 50.1)
5 Congenital defects	5 Chronic kidney disease	<b>313 (159 to 488)</b>	<b>174 (83.5 to 294)</b>	29.7 (-20.2 to 106)
6 Malaria	6 Road injuries	54.8 (-7.43 to 155)	3.09 (-38 to 68.6)	-30.7 (-58.2 to 12.6)
7 Hypertensive heart disease	7 Alzheimer's disease	<b>311 (167 to 481)</b>	<b>173 (79.5 to 274)</b>	<b>5.34 (2 to 8.53)</b>
8 Lower respiratory infect	8 Lower respiratory infect	32.1 (-7.76 to 71.2)	-12.2 (-36.6 to 9.56)	<b>-35.3 (-52.3 to -13.6)</b>
9 Road injuries	9 COPD	<b>139 (64.8 to 224)</b>	<b>58.9 (10.2 to 117)</b>	-30.4 (-54.7 to 7.97)
10 HIV/AIDS	10 Diabetes	<b>148 (60.6 to 267)</b>	<b>65.5 (8.27 to 144)</b>	-22.1 (-51.2 to 30.1)
11 Chronic kidney disease	11 Cirrhosis liver	<b>93.1 (54.2 to 132)</b>	<b>28.4 (5.88 to 52.1)</b>	<b>-36 (-47.7 to -18.1)</b>
12 Cirrhosis liver	12 Neonatal disorders	<b>-54.4 (-75 to -24.1)</b>	<b>-69.7 (-82.8 to -49.2)</b>	<b>-46.6 (-68 to -10.5)</b>
13 COPD	13 Congenital defects	<b>-41.4 (-55.9 to -23.8)</b>	<b>-61.2 (-68.1 to -52.7)</b>	<b>-35.4 (-44.3 to -25.3)</b>
14 Diabetes	14 Stomach cancer	<b>99.3 (59.3 to 151)</b>	<b>32.4 (9.52 to 56.5)</b>	<b>-38 (-45.6 to -29.2)</b>
15 Stomach cancer	15 Malaria	49.3 (-48.1 to 89.4)	-1.21 (-66.5 to 13.5)	-2.6 (-79.3 to 9.4)
16 Alzheimer's disease	16 Lung cancer	<b>189 (85.1 to 335)</b>	<b>91.4 (21.6 to 186)</b>	-12.2 (-37.9 to 19)
17 Maternal disorders	17 Colorectal cancer	<b>251 (110 to 466)</b>	<b>133 (43.5 to 263)</b>	9.77 (-26.7 to 52.3)
18 Diarrheal diseases	18 Leukemia	<b>115 (50.9 to 201)</b>	<b>42.6 (5.07 to 95.2)</b>	-1.18 (-23.9 to 27.2)
19 Asthma	19 Brain cancer	<b>216 (155 to 277)</b>	<b>110 (87.8 to 138)</b>	<b>38.7 (30.1 to 47.5)</b>
20 Conflict & terror	20 Other cardiovascular	<b>71.7 (26 to 114)</b>	14.1 (-11.6 to 40.9)	<b>-31.5 (-47.5 to -8.9)</b>
22 Other cardiovascular	26 Asthma			
23 Lung cancer	29 Conflict & terror			
24 Leukemia	41 Diarrheal diseases			
27 Colorectal cancer	44 Maternal disorders			
33 Brain cancer	134 COVID-19			

### Syria, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	56.6 (-2.54 to 123)	36.5 (-12.8 to 91)	-26 (-60.7 to 29.7)
2 Conflict & terror	2 Conflict & terror	inf (-100 to 1.51e+06)	inf (-100 to 1.19e+06)	inf (-100 to 1.11e+06)
3 Stroke	3 Chronic kidney disease	<b>215 (132 to 311)</b>	<b>174 (104 to 257)</b>	44.6 (-7.27 to 118)
4 Chronic kidney disease	4 Stroke	<b>47.2 (2.97 to 93)</b>	27.9 (-7.07 to 66.7)	-34.8 (-58.6 to 1.68)
5 Hypertensive heart disease	5 Hypertensive heart disease	<b>192 (114 to 279)</b>	<b>154 (89.6 to 228)</b>	18.2 (-22.7 to 82.5)
6 COPD	6 Alzheimer's disease	<b>229 (113 to 411)</b>	<b>184 (91.7 to 322)</b>	<b>9.55 (6.62 to 12.9)</b>
7 COVID-19	7 COPD	<b>113 (51.1 to 181)</b>	<b>84.7 (35.4 to 142)</b>	-9.83 (-42.1 to 31.6)
8 Lower respiratory infect	8 Diabetes	<b>99.1 (42.3 to 184)</b>	<b>73.3 (25.1 to 139)</b>	-3.8 (-37.8 to 51.4)
9 Diabetes	9 Lower respiratory infect	<b>58.6 (19.3 to 104)</b>	<b>37.7 (6.72 to 77.1)</b>	-24.8 (-43.4 to 5.91)
10 Cirrhosis liver	10 Cirrhosis liver	<b>43 (9.6 to 75.1)</b>	<b>24.1 (2.65 to 46.4)</b>	<b>-29.6 (-42.3 to -11.1)</b>
11 Road injuries	11 Lung cancer	70 (-2.61 to 194)	46.7 (-13.4 to 141)	-12.2 (-39 to 21.4)
12 Alzheimer's disease	12 Urinary diseases	<b>236 (143 to 348)</b>	<b>192 (115 to 287)</b>	40.5 (-6.11 to 101)
13 Lung cancer	13 Brain cancer	<b>129 (77.5 to 199)</b>	<b>98.7 (65.3 to 136)</b>	<b>35.9 (27.1 to 44.7)</b>
14 Other cardiovascular	14 Road injuries	3.53 (-36.6 to 61.8)	-9.81 (-42.6 to 40)	-25.5 (-54.5 to 25.5)
15 Asthma	15 Other cardiovascular	<b>79 (32.3 to 136)</b>	<b>55.3 (21.2 to 93.3)</b>	-17.8 (-35.2 to 8.79)
16 Brain cancer	16 Colorectal cancer	<b>110 (10.6 to 254)</b>	<b>81.6 (1.94 to 213)</b>	2.55 (-30.6 to 45.4)
17 Leukemia	17 Parkinson's disease	<b>184 (92.8 to 306)</b>	<b>146 (72.1 to 231)</b>	-4.09 (-22.4 to 15.4)
18 Breast cancer	18 Liver cancer	<b>107 (57.2 to 158)</b>	<b>79.7 (43.4 to 122)</b>	10.7 (-14.4 to 48.7)
19 Colorectal cancer	19 Breast cancer	<b>72.7 (1.41 to 177)</b>	49 (-10 to 138)	5.44 (-27.7 to 49.5)
20 Congenital defects	20 Leukemia	<b>68.3 (7.48 to 157)</b>	45.3 (-1.99 to 111)	-7.45 (-28.9 to 19.6)
22 Liver cancer	26 Asthma			
24 Urinary diseases	32 Congenital defects			
27 Parkinson's disease	132 COVID-19			

### Tunisia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	47 (-9.52 to 115)	46.8 (-3.6 to 116)	-45 (-65.6 to -12.7)
2 COVID-19	2 Stroke	43.3 (5.82 to 95.6)	43.1 (8.56 to 93.3)	-48.5 (-62.9 to -27.2)
3 Stroke	3 Hypertensive heart disease	199 (105 to 318)	198 (106 to 301)	5.45 (-28.2 to 53.6)
4 Hypertensive heart disease	4 Chronic kidney disease	223 (122 to 354)	222 (124 to 337)	20.5 (-17.6 to 85.1)
5 Chronic kidney disease	5 Alzheimer's disease	278 (155 to 408)	277 (172 to 394)	7.9 (5.02 to 10.8)
6 Alzheimer's disease	6 COPD	145 (71.6 to 245)	145 (77.2 to 232)	-13.8 (-39.3 to 23.4)
7 Road injuries	7 Diabetes	120 (54 to 203)	120 (62.8 to 197)	-11.3 (-34.5 to 24)
8 Lung cancer	8 Lung cancer	86.5 (28 to 165)	86.1 (32.9 to 147)	-8.42 (-30.1 to 17.5)
9 Diabetes	9 Lower respiratory infect	113 (61.9 to 178)	112 (68.1 to 169)	-23.8 (-39.5 to -2.43)
10 COPD	10 Cirrhosis liver	81 (46.5 to 117)	80.6 (55.5 to 107)	-21.1 (-30.9 to -9.35)
11 Lower respiratory infect	11 Colorectal cancer	170 (60.7 to 312)	169 (70.7 to 292)	16.2 (-19.5 to 56.9)
12 Cirrhosis liver	12 Road injuries	3.38 (-30.6 to 51.4)	3.35 (-28.4 to 56.1)	-20.3 (-44.7 to 19.7)
13 Colorectal cancer	13 Atrial fibrillation	327 (180 to 498)	326 (198 to 498)	16.6 (-1.61 to 39.5)
14 Breast cancer	14 Breast cancer	105 (36.5 to 180)	104 (42.3 to 176)	8.18 (-18.6 to 35.2)
15 Other cardiovascular	15 Other cardiovascular	107 (58.1 to 166)	107 (61.4 to 160)	-21.8 (-35.2 to -6.03)
16 Asthma	16 Parkinson's disease	191 (112 to 281)	190 (123 to 267)	-4.52 (-20.5 to 15.7)
17 Neonatal disorders	17 Pancreatic cancer	251 (117 to 413)	250 (131 to 406)	57.4 (12.1 to 110)
18 Congenital defects	18 Prostate cancer	190 (75 to 327)	189 (88.1 to 315)	0.55 (-25.3 to 34.5)
19 Stomach cancer	19 Lymphoma	118 (44.6 to 199)	117 (56.7 to 192)	3.67 (-19.2 to 29.8)
20 Lymphoma	20 Falls	117 (57 to 192)	116 (62.2 to 187)	-10.6 (-19.6 to 0.086)
21 Falls	23 Asthma			
22 Parkinson's disease	24 Stomach cancer			
23 Atrial fibrillation	46 Congenital defects			
26 Prostate cancer	49 Neonatal disorders			
27 Pancreatic cancer	131 COVID-19			

### Türkiye, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	5.13 (-30.3 to 53)	5.36 (-29.4 to 53.3)	<b>-58.4 (-74.9 to -30.8)</b>
2 Stroke	2 COPD	<b>140 (80.3 to 215)</b>	<b>140 (80.8 to 215)</b>	-8.01 (-34.5 to 29.2)
3 COPD	3 Stroke	20.7 (-4.68 to 51)	20.9 (-4.44 to 47.9)	<b>-53.8 (-65.2 to -35.6)</b>
4 Lung cancer	4 Chronic kidney disease	<b>162 (100 to 254)</b>	<b>163 (96.5 to 265)</b>	3.87 (-27.4 to 58.7)
5 COVID-19	5 Alzheimer's disease	<b>236 (143 to 335)</b>	<b>235 (160 to 318)</b>	<b>9.57 (6.5 to 13)</b>
6 Chronic kidney disease	6 Hypertensive heart disease	<b>207 (123 to 312)</b>	<b>208 (131 to 323)</b>	9.42 (-24.9 to 67.5)
7 Diabetes	7 Lung cancer	<b>80 (21.2 to 143)</b>	<b>79.9 (28.9 to 134)</b>	-11.5 (-35.1 to 10.5)
8 Hypertensive heart disease	8 Diabetes	<b>78.8 (35 to 135)</b>	<b>79.1 (35 to 138)</b>	-27.5 (-46.1 to 6.13)
9 Alzheimer's disease	9 Lower respiratory infect	<b>108 (68.5 to 160)</b>	<b>108 (73.7 to 162)</b>	-21.4 (-36.8 to 4.55)
10 Lower respiratory infect	10 Colorectal cancer	<b>154 (54.8 to 269)</b>	<b>154 (62.2 to 254)</b>	13.1 (-20.6 to 50.5)
11 Colorectal cancer	11 Pancreatic cancer	<b>229 (108 to 357)</b>	<b>229 (125 to 359)</b>	<b>51.9 (8.94 to 100)</b>
12 Stomach cancer	12 Prostate cancer	<b>197 (85.4 to 324)</b>	<b>196 (93.5 to 333)</b>	10.9 (-18.2 to 46.3)
13 Road injuries	13 Stomach cancer	<b>45.2 (19.6 to 81)</b>	<b>45.2 (21.9 to 72.8)</b>	<b>-33.6 (-41.3 to -23.9)</b>
14 Cirrhosis liver	14 Brain cancer	<b>154 (111 to 191)</b>	<b>154 (126 to 184)</b>	<b>37.4 (28.8 to 46.5)</b>
15 Pancreatic cancer	15 Cirrhosis liver	<b>63.5 (35 to 99.1)</b>	<b>63.7 (39 to 94.6)</b>	<b>-25.1 (-38.3 to -7.06)</b>
16 Breast cancer	16 Falls	<b>121 (62.8 to 182)</b>	<b>121 (66.6 to 168)</b>	<b>-15.5 (-26.7 to -2.09)</b>
17 Prostate cancer	17 Parkinson's disease	<b>193 (124 to 271)</b>	<b>193 (129 to 264)</b>	1.72 (-16.5 to 21.9)
18 Falls	18 Breast cancer	<b>90 (22.1 to 176)</b>	<b>89.7 (28.5 to 164)</b>	-1.86 (-27.8 to 28.1)
19 Brain cancer	19 Atrial fibrillation	<b>268 (164 to 412)</b>	<b>267 (181 to 396)</b>	<b>18.8 (1.95 to 39.2)</b>
20 Leukemia	20 Leukemia	<b>97.9 (41.7 to 165)</b>	<b>97.8 (52.6 to 157)</b>	-0.472 (-19.1 to 17.9)
23 Parkinson's disease	23 Road injuries			
28 Atrial fibrillation	131 COVID-19			

### United Arab Emirates, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	747 (455 to 1200)	316 (171 to 523)	-55.2 (-71.5 to -24)
2 Stroke	2 Chronic kidney disease	2050 (1310 to 2950)	958 (621 to 1380)	2.76 (-31.5 to 47)
3 Road injuries	3 Stroke	890 (638 to 1260)	386 (264 to 547)	-57.6 (-67.8 to -41.8)
4 COVID-19	4 Hypertensive heart disease	2510 (1580 to 3770)	1180 (769 to 1770)	9.96 (-23.8 to 71.8)
5 Diabetes	5 Lower respiratory infect	1830 (1350 to 2360)	847 (634 to 1100)	-23.5 (-41.4 to 0.105)
6 Chronic kidney disease	6 Diabetes	1050 (708 to 1500)	463 (314 to 684)	-36 (-53.5 to -14.1)
7 Lower respiratory infect	7 COPD	1620 (1090 to 2300)	744 (510 to 1070)	-14.8 (-38.9 to 19.6)
8 Hypertensive heart disease	8 Alzheimer's disease	3060 (2210 to 3990)	1450 (1090 to 1930)	2.33 (-2.59 to 7.56)
9 COPD	9 Pancreatic cancer	1540 (897 to 2360)	707 (410 to 1060)	13.6 (-25.3 to 55.3)
10 Liver cancer	10 Liver cancer	1130 (841 to 1430)	502 (382 to 665)	16.3 (-2.6 to 38.8)
11 Lung cancer	11 Lung cancer	1130 (693 to 1610)	502 (314 to 722)	-9.9 (-36 to 17.1)
12 Cirrhosis liver	12 Road injuries	277 (145 to 507)	84.9 (24.4 to 185)	-10.3 (-41.9 to 43.1)
13 Colorectal cancer	13 Colorectal cancer	1100 (592 to 1640)	488 (267 to 761)	-19.8 (-48.5 to 15.4)
14 Breast cancer	14 Prostate cancer	2660 (1650 to 3790)	1250 (812 to 1780)	10.2 (-22.9 to 48.2)
15 Pancreatic cancer	15 Cirrhosis liver	838 (638 to 1080)	361 (277 to 463)	-38.5 (-46.9 to -27.4)
16 Brain cancer	16 Breast cancer	750 (411 to 1180)	317 (166 to 509)	-24.8 (-48.4 to 3.1)
17 Falls	17 Brain cancer	852 (600 to 1150)	367 (260 to 493)	33.2 (19 to 46.2)
18 Leukemia	18 Cardiomyopathy	919 (661 to 1190)	400 (292 to 523)	-31.2 (-41.5 to -20.6)
19 Self-harm	19 Stomach cancer	788 (568 to 1040)	336 (247 to 445)	-42 (-50.7 to -30)
20 Congenital defects	20 Ovarian cancer	1260 (827 to 1790)	566 (355 to 810)	-11 (-34.1 to 12)
21 Alzheimer's disease	21 Falls			
22 Stomach cancer	23 Leukemia			
23 Cardiomyopathy	43 Self-harm			
28 Prostate cancer	55 Congenital defects			
29 Ovarian cancer	128 COVID-19			

### Yemen, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	116 (22.5 to 257)	36.4 (-20.2 to 115)	-33.7 (-67.8 to 22.4)
2 Stroke	2 Stroke	101 (34.8 to 178)	26.9 (-9.56 to 70.6)	<b>-38.4 (-62.6 to -4.95)</b>
3 Neonatal disorders	3 Hypertensive heart disease	206 (105 to 331)	92.7 (32.6 to 160)	-14.1 (-49.8 to 41.3)
4 Malaria	4 Malaria	104 (-42.3 to 156)	28.3 (-60.4 to 52.5)	-4.65 (-74.2 to 3.57)
5 Road injuries	5 Road injuries	30.2 (-29.3 to 125)	-17.9 (-52.7 to 38.6)	-36.1 (-64 to 9.63)
6 Congenital defects	6 Chronic kidney disease	314 (172 to 490)	161 (81.5 to 260)	30.4 (-21.1 to 109)
7 COVID-19	7 Lower respiratory infect	28.8 (-12.5 to 69)	-18.8 (-42.2 to 2.87)	<b>-34.8 (-52.8 to -9.35)</b>
8 Conflict & terror	8 Conflict & terror	inf (-100 to 185000)	inf (-100 to 102000)	inf (-100 to 149000)
9 Hypertensive heart disease	9 COPD	149 (73.8 to 238)	56.6 (14.3 to 109)	-26.7 (-54 to 15.7)
10 Lower respiratory infect	10 Alzheimer's disease	325 (164 to 557)	168 (65.2 to 294)	8.38 (5.76 to 11.2)
11 COPD	11 Neonatal disorders	<b>-61.1 (-80.6 to -32.6)</b>	<b>-75.6 (-87 to -57.8)</b>	<b>-54.7 (-73.5 to -27.2)</b>
12 Cirrhosis liver	12 Cirrhosis liver	95.1 (52.9 to 142)	22.9 (2.06 to 47)	<b>-36.7 (-49.1 to -20.2)</b>
13 Stomach cancer	13 Congenital defects	<b>-44.1 (-61.4 to -24.6)</b>	<b>-65 (-72.9 to -55.6)</b>	<b>-38.9 (-47.7 to -28.1)</b>
14 Chronic kidney disease	14 Stomach cancer	114 (64.6 to 170)	34.6 (9.37 to 65.5)	<b>-33.5 (-42.2 to -24.6)</b>
15 Diabetes	15 Diabetes	176 (78.5 to 312)	74.1 (19.8 to 147)	-11 (-45.7 to 43)
16 Maternal disorders	16 Lung cancer	253 (108 to 457)	122 (35.5 to 251)	7.56 (-23.6 to 50.4)
17 Alzheimer's disease	17 Colorectal cancer	296 (121 to 530)	150 (45.1 to 310)	23 (-20.8 to 76.9)
18 Asthma	18 Leukemia	152 (83.4 to 253)	58.5 (15.6 to 120)	5.87 (-16.1 to 38)
19 Diarrheal diseases	19 Other cardiovascular	90.9 (45.8 to 141)	20.3 (-0.913 to 48.4)	<b>-29 (-44.5 to -9.44)</b>
20 Pertussis	20 Brain cancer	254 (192 to 329)	123 (92.3 to 154)	44.4 (37 to 53.6)
21 Lung cancer	24 Asthma			
22 Other cardiovascular	34 Maternal disorders			
24 Leukemia	47 Pertussis			
29 Colorectal cancer	54 Diarrheal diseases			
33 Brain cancer	133 COVID-19			



### Bangladesh, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	53.8 (10.3 to 101)	43.5 (5.97 to 82.5)	-43.5 (-61.8 to -17.3)
2 Ischemic heart disease	2 Ischemic heart disease	35.7 (-16.5 to 112)	27 (-24.1 to 102)	-45.5 (-70.9 to -4.77)
3 COPD	3 COPD	84.5 (31.2 to 155)	72.4 (22.9 to 138)	-33.2 (-56.5 to -0.0404)
4 Neonatal disorders	4 Diabetes	130 (61.4 to 214)	115 (51.1 to 188)	-21.3 (-49.9 to 23.7)
5 Diabetes	5 Hypertensive heart disease	176 (91.8 to 276)	158 (76.9 to 247)	-8.42 (-44.2 to 42.2)
6 Lower respiratory infect	6 Alzheimer's disease	260 (132 to 390)	235 (131 to 342)	-0.32 (-5.46 to 6.51)
7 Cirrhosis liver	7 Diarrheal diseases	85.5 (31.3 to 154)	73.3 (24.3 to 131)	-33.2 (-57.4 to 0.801)
8 Diarrheal diseases	8 Chronic kidney disease	244 (145 to 371)	221 (123 to 330)	36.8 (-14.2 to 110)
9 Tuberculosis	9 Lower respiratory infect	23.2 (-7.27 to 60.5)	14.8 (-11.9 to 46.2)	-47.3 (-59.1 to -31.9)
10 Hypertensive heart disease	10 Cirrhosis liver	37.8 (8.21 to 68.9)	28.6 (4.92 to 52.7)	-35.8 (-48.3 to -19.1)
11 Rheumatic heart disease	11 Rheumatic heart disease	12.1 (-18.4 to 56)	4.76 (-25.4 to 39.6)	-52.1 (-67.9 to -29.2)
12 COVID-19	12 Atrial fibrillation	373 (191 to 615)	340 (203 to 506)	25 (3.35 to 54.8)
13 Alzheimer's disease	13 Urinary diseases	201 (140 to 284)	181 (130 to 247)	14.9 (-11 to 48.6)
14 Chronic kidney disease	14 Tuberculosis	-32.8 (-58 to -0.717)	-37.2 (-62.1 to -4.56)	-69.6 (-83 to -49.1)
15 Asthma	15 Lung cancer	116 (37.5 to 220)	101 (29.2 to 190)	-6.1 (-33.5 to 23.8)
16 Road injuries	16 Cardiomyopathy	102 (54.4 to 160)	88.3 (50.4 to 135)	-19.9 (-26 to -12.7)
17 Congenital defects	17 Parkinson's disease	183 (101 to 297)	164 (106 to 253)	-8.7 (-26.9 to 16.2)
18 Cardiomyopathy	18 Colorectal cancer	158 (47 to 303)	139 (40.2 to 253)	7.87 (-28.7 to 51.4)
19 Drowning	19 Lip oral cavity cancer	73.8 (40.6 to 108)	62.1 (36.6 to 88.6)	-21.8 (-31.8 to -11.3)
20 Lung cancer	20 Falls	110 (45.2 to 204)	95.4 (39.4 to 169)	-19.1 (-30 to -6.01)
24 Lip oral cavity cancer	21 Asthma			
25 Urinary diseases	25 Neonatal disorders			
29 Falls	26 Road injuries			
30 Parkinson's disease	52 Congenital defects			
31 Colorectal cancer	54 Drowning			
33 Atrial fibrillation	133 COVID-19			

### Bhutan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 COPD	97.2 (40.5 to 157)	73.5 (20.9 to 131)	-26.6 (-53.3 to 16)
2 COVID-19	2 Ischemic heart disease	34.5 (-20.5 to 110)	18.5 (-31.7 to 94.3)	-46.8 (-72.7 to 1.14)
3 COPD	3 Stroke	38.7 (-1.39 to 86.4)	22.1 (-12.9 to 65.1)	<b>-46.8 (-66.7 to -18.6)</b>
4 Stroke	4 Chronic kidney disease	190 (96.5 to 293)	155 (64.9 to 258)	19.1 (-27.2 to 92.2)
5 Neonatal disorders	5 Diabetes	85.4 (29.6 to 165)	63.2 (10.2 to 133)	-27.4 (-54.5 to 17)
6 Diabetes	6 Alzheimer's disease	215 (117 to 305)	177 (100 to 261)	7.55 (0.739 to 13.6)
7 Cirrhosis liver	7 Falls	131 (71.3 to 193)	103 (56.9 to 153)	-8.71 (-19.1 to 4.25)
8 Diarrheal diseases	8 Cirrhosis liver	43.7 (18.8 to 76.6)	26.4 (2.59 to 57.5)	<b>-32.6 (-46.6 to -13.5)</b>
9 Lower respiratory infect	9 Hypertensive heart disease	128 (60.5 to 199)	101 (36.6 to 166)	-15.2 (-48.7 to 32.2)
10 Chronic kidney disease	10 Lower respiratory infect	34.6 (0.841 to 72)	18.4 (-10.3 to 54)	<b>-41.5 (-57.6 to -20.6)</b>
11 Falls	11 Diarrheal diseases	0.915 (-26.4 to 34.3)	-11.3 (-35.8 to 15.8)	<b>-58.3 (-73.1 to -36.2)</b>
12 Tuberculosis	12 Urinary diseases	203 (145 to 275)	166 (116 to 235)	22 (-9.75 to 63.3)
13 Hypertensive heart disease	13 Lung cancer	187 (76.8 to 318)	152 (63.7 to 260)	13 (-19.1 to 55.7)
14 Alzheimer's disease	14 Parkinson's disease	184 (118 to 259)	149 (101 to 213)	3.43 (-15.3 to 30.4)
15 Rheumatic heart disease	15 Colorectal cancer	205 (63.7 to 367)	167 (50.9 to 319)	20.6 (-24.6 to 72.4)
16 Road injuries	16 Atrial fibrillation	266 (161 to 379)	221 (136 to 313)	<b>27.2 (7.94 to 46.6)</b>
17 Asthma	17 Rheumatic heart disease	-5.54 (-36.4 to 32.6)	-16.9 (-45.4 to 19.3)	<b>-58 (-75 to -30.7)</b>
18 Urinary diseases	18 Cardiomyopathy	109 (65.8 to 163)	83.3 (52.3 to 121)	<b>-12.9 (-19.1 to -4.13)</b>
19 Mechanical forces	19 Breast cancer	149 (51.1 to 257)	118 (40.1 to 214)	11.2 (-22.2 to 53.3)
20 Self-harm	20 Liver cancer	169 (119 to 227)	136 (88 to 183)	10.3 (-10.7 to 37.7)
24 Cardiomyopathy	21 Tuberculosis			
26 Lung cancer	22 Asthma			
27 Parkinson's disease	24 Road injuries			
31 Breast cancer	27 Self-harm			
32 Colorectal cancer	36 Neonatal disorders			
33 Liver cancer	37 Mechanical forces			
36 Atrial fibrillation	133 COVID-19			

### India, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 COPD	<b>82.3 (35.4 to 134)</b>	<b>64.8 (23.5 to 117)</b>	-34.4 (-55.7 to 1.02)
2 COPD	2 Ischemic heart disease	14.9 (-31.6 to 73.1)	3.97 (-35.2 to 58.7)	<b>-53 (-74.3 to -16.4)</b>
3 Stroke	3 Stroke	25.7 (-1.31 to 59.4)	13.6 (-11.6 to 45.1)	<b>-49.7 (-64.5 to -31.6)</b>
4 Diarrheal diseases	4 Diarrheal diseases	<b>34 (2.57 to 68.3)</b>	21.1 (-8.35 to 57.4)	<b>-52.1 (-68.8 to -25.4)</b>
5 Lower respiratory infect	5 Lower respiratory infect	<b>33.5 (8.81 to 61.9)</b>	20.5 (-1.03 to 44.9)	<b>-43 (-53.3 to -28.3)</b>
6 Tuberculosis	6 Diabetes	<b>76.6 (30.7 to 124)</b>	<b>59.5 (18 to 109)</b>	-30 (-53.5 to 5.24)
7 Neonatal disorders	7 Falls	<b>138 (76.7 to 212)</b>	<b>114 (74.2 to 165)</b>	<b>-12.6 (-21.5 to -0.904)</b>
8 Diabetes	8 Alzheimer's disease	<b>257 (145 to 386)</b>	<b>222 (143 to 322)</b>	<b>-6.21 (-11.9 to -1.45)</b>
9 Cirrhosis liver	9 Cirrhosis liver	<b>61.5 (30.3 to 94.2)</b>	<b>45.9 (21 to 73.6)</b>	-15.3 (-30.5 to 5.51)
10 Falls	10 Chronic kidney disease	<b>143 (73.1 to 227)</b>	<b>119 (58.9 to 202)</b>	2.45 (-31.3 to 52.1)
11 Road injuries	11 Hypertensive heart disease	<b>144 (74.9 to 219)</b>	<b>121 (64.3 to 199)</b>	-12 (-42.8 to 35.4)
12 COVID-19	12 Tuberculosis	-29.6 (-57.6 to 5.44)	<b>-36.3 (-60.5 to -1.91)</b>	<b>-64.5 (-79.2 to -40.1)</b>
13 Asthma	13 Road injuries	13.6 (-27.9 to 65.1)	2.74 (-31.4 to 59)	-21.7 (-50.5 to 24.7)
14 Self-harm	14 Urinary diseases	<b>191 (143 to 247)</b>	<b>163 (128 to 209)</b>	17 (-4.27 to 44.9)
15 Chronic kidney disease	15 Self-harm	6.61 (-18.9 to 35.4)	-3.76 (-24.2 to 23)	-18 (-37 to 7.85)
16 Rheumatic heart disease	16 Asthma	-8.64 (-26.8 to 11.4)	<b>-17.5 (-31 to -2.35)</b>	<b>-63.6 (-71.4 to -51.9)</b>
17 Hypertensive heart disease	17 Breast cancer	<b>114 (31.6 to 219)</b>	<b>92.6 (26.4 to 168)</b>	5.35 (-27.9 to 41.6)
18 Alzheimer's disease	18 Rheumatic heart disease	-0.898 (-33.5 to 37.7)	-10.4 (-39 to 28.4)	<b>-54.5 (-71.9 to -29.1)</b>
19 Breast cancer	19 Lip oral cavity cancer	<b>121 (83.1 to 160)</b>	<b>99.3 (77.6 to 122)</b>	3.07 (-6.59 to 15.2)
20 Urinary diseases	20 Lung cancer	<b>101 (28.3 to 190)</b>	<b>81.4 (22.4 to 152)</b>	-7.56 (-33.6 to 20.8)
21 Lung cancer	23 Neonatal disorders			
23 Lip oral cavity cancer	133 COVID-19			

### Nepal, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 COPD	42.8 (-1.12 to 94.1)	37.2 (-3.31 to 81.5)	<b>-47.8 (-65.3 to -21.1)</b>
2 COPD	2 Ischemic heart disease	13.2 (-33.9 to 80.9)	8.9 (-34.3 to 71.6)	<b>-54.6 (-74.9 to -18.1)</b>
3 Stroke	3 Stroke	19.3 (-12.5 to 57.1)	14.7 (-16.6 to 50.2)	<b>-53.4 (-68.6 to -31.3)</b>
4 Neonatal disorders	4 Diabetes	<b>90.3 (32.1 to 167)</b>	<b>82.8 (29 to 146)</b>	-24.8 (-49.5 to 18.2)
5 Lower respiratory infect	5 Chronic kidney disease	<b>143 (65.9 to 245)</b>	<b>134 (58.7 to 220)</b>	2.62 (-31.1 to 62.9)
6 Tuberculosis	6 Hypertensive heart disease	<b>150 (75.8 to 237)</b>	<b>140 (67.4 to 218)</b>	-13.1 (-45.6 to 34.6)
7 Diabetes	7 Cirrhosis liver	<b>46.4 (11.4 to 84.6)</b>	<b>40.8 (9.51 to 73.4)</b>	<b>-25 (-41.4 to -2.02)</b>
8 Cirrhosis liver	8 Alzheimer's disease	<b>261 (147 to 395)</b>	<b>247 (134 to 361)</b>	-2.66 (-8.58 to 4.18)
9 Asthma	9 Lower respiratory infect	1.93 (-25.7 to 35.7)	-1.99 (-27.9 to 29.1)	<b>-51.4 (-62.4 to -35.6)</b>
10 Chronic kidney disease	10 Falls	<b>109 (45.2 to 190)</b>	<b>101 (44.6 to 182)</b>	<b>-18 (-27.7 to -3.5)</b>
11 Self-harm	11 Self-harm	20.2 (-5.88 to 57.7)	15.5 (-6.84 to 45.2)	-13.4 (-32.8 to 15.1)
12 Diarrheal diseases	12 Asthma	-13.6 (-32.3 to 9.99)	-16.9 (-33.9 to 2.98)	<b>-64.4 (-73.3 to -53.1)</b>
13 Hypertensive heart disease	13 Urinary diseases	<b>191 (131 to 277)</b>	<b>180 (129 to 242)</b>	15.9 (-12.7 to 54.9)
14 Rheumatic heart disease	14 Diarrheal diseases	3.38 (-28 to 36.6)	-0.566 (-31.5 to 33.8)	<b>-59.7 (-73.8 to -40.1)</b>
15 COVID-19	15 Tuberculosis	<b>-40.5 (-64.7 to -8.96)</b>	<b>-42.8 (-66.5 to -10.9)</b>	<b>-71.8 (-83.8 to -51.1)</b>
16 Falls	16 Rheumatic heart disease	-6.08 (-38.8 to 34)	-9.74 (-41.6 to 27.9)	<b>-57.1 (-73.4 to -30.7)</b>
17 Alzheimer's disease	17 Interstitial lung disease	<b>169 (116 to 225)</b>	<b>159 (117 to 204)</b>	7.67 (-5.36 to 20.2)
18 Upper digest diseases	18 Breast cancer	<b>146 (56.5 to 266)</b>	<b>136 (52.5 to 246)</b>	19.6 (-16.6 to 68.1)
19 Road injuries	19 Upper digest diseases	25.3 (-3.78 to 57.7)	20.4 (-3.08 to 47.3)	<b>-46.6 (-58.6 to -27.5)</b>
20 Drowning	20 Parkinson's disease	<b>201 (115 to 310)</b>	<b>189 (120 to 283)</b>	-1.38 (-19.6 to 21)
21 Urinary diseases	27 Road injuries			
27 Breast cancer	31 Neonatal disorders			
30 Interstitial lung disease	37 Drowning			
39 Parkinson's disease	133 COVID-19			

### Pakistan, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	56.1 (-10.2 to 140)	27.1 (-27.8 to 106)	<b>-44.9 (-71.9 to -2.93)</b>
2 Neonatal disorders	2 Stroke	<b>70.2 (25.4 to 124)</b>	<b>38.5 (3.48 to 92.4)</b>	<b>-43 (-61.9 to -15)</b>
3 Stroke	3 COPD	<b>96.5 (43.4 to 161)</b>	<b>59.9 (17.4 to 117)</b>	<b>-41 (-62.6 to -8.15)</b>
4 Lower respiratory infect	4 Chronic kidney disease	<b>258 (144 to 405)</b>	<b>191 (98.5 to 318)</b>	38.6 (-14 to 123)
5 COPD	5 Diabetes	<b>115 (50 to 196)</b>	<b>74.8 (21.3 to 140)</b>	-25.8 (-55.5 to 16.9)
6 Tuberculosis	6 Neonatal disorders	<b>-66.1 (-79.1 to -49.8)</b>	<b>-72.6 (-80.6 to -63)</b>	<b>-48.1 (-59.4 to -31.6)</b>
7 Diabetes	7 Hypertensive heart disease	<b>194 (110 to 292)</b>	<b>139 (75 to 224)</b>	-11.6 (-45.4 to 34.5)
8 Cirrhosis liver	8 Cirrhosis liver	<b>34.9 (12.3 to 62.3)</b>	9.7 (-10.1 to 33.8)	<b>-39.1 (-50.4 to -23.3)</b>
9 Diarrheal diseases	9 Breast cancer	<b>163 (58.1 to 271)</b>	<b>113 (30.5 to 219)</b>	10.4 (-26.3 to 53.9)
10 Road injuries	10 Alzheimer's disease	<b>296 (167 to 453)</b>	<b>222 (127 to 333)</b>	-2.33 (-11.2 to 5.55)
11 COVID-19	11 Diarrheal diseases	25.1 (-22.1 to 74.9)	1.74 (-33.9 to 42.9)	<b>-41 (-63.7 to -6.04)</b>
12 Chronic kidney disease	12 Lower respiratory infect	<b>-37 (-54.5 to -13.4)</b>	<b>-48.8 (-62.1 to -29.7)</b>	<b>-52.4 (-65.1 to -35.8)</b>
13 Rheumatic heart disease	13 Lip oral cavity cancer	<b>127 (93.1 to 165)</b>	<b>84.2 (58.9 to 110)</b>	-10.1 (-20.5 to 1.25)
14 Hypertensive heart disease	14 Tuberculosis	<b>-37.8 (-62.9 to -2.41)</b>	<b>-49.4 (-69.7 to -16.3)</b>	<b>-71.1 (-83.9 to -49.7)</b>
15 Breast cancer	15 Lung cancer	<b>128 (43.8 to 238)</b>	<b>84.7 (16.2 to 166)</b>	-18.5 (-43.7 to 12.8)
16 Congenital defects	16 Road injuries	-4.18 (-40.8 to 49.1)	-22 (-50.9 to 30.4)	-38.2 (-61.4 to 3.26)
17 Lip oral cavity cancer	17 Urinary diseases	<b>195 (138 to 273)</b>	<b>140 (93 to 191)</b>	14.4 (-13.8 to 57.7)
18 Lung cancer	18 Falls	<b>121 (58.7 to 205)</b>	<b>79.8 (30.1 to 151)</b>	-15.8 (-30.3 to 2.77)
19 Drowning	19 Colorectal cancer	<b>217 (84.6 to 401)</b>	<b>157 (52.1 to 300)</b>	13.5 (-24.8 to 66.6)
20 Self-harm	20 Rheumatic heart disease	-10.3 (-39.9 to 33.4)	-27 (-53 to 11.1)	<b>-59.3 (-75.3 to -33.2)</b>
22 Falls	29 Self-harm			
24 Alzheimer's disease	44 Congenital defects			
25 Urinary diseases	47 Drowning			
35 Colorectal cancer	132 COVID-19			

### China, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	27.9 (2.71 to 57.8)	47 (20.1 to 84.5)	-48 (-58.5 to -32.3)
2 Ischemic heart disease	2 COPD	124 (74 to 179)	157 (103 to 219)	-22.2 (-41.5 to 4.72)
3 COPD	3 Ischemic heart disease	17.3 (-16.1 to 57.2)	34.8 (-3.19 to 85.9)	-56.4 (-70.9 to -36.6)
4 Lung cancer	4 Alzheimer's disease	232 (161 to 320)	280 (213 to 362)	-0.968 (-4.91 to 3.13)
5 Alzheimer's disease	5 Lung cancer	79.6 (27.4 to 145)	106 (50.9 to 173)	-7.48 (-26.4 to 15.8)
6 Stomach cancer	6 Hypertensive heart disease	194 (115 to 297)	238 (150 to 371)	6.19 (-26.6 to 54.7)
7 Hypertensive heart disease	7 Colorectal cancer	130 (51.8 to 223)	163 (84.6 to 264)	16.1 (-13.4 to 49.5)
8 Esophageal cancer	8 Esophageal cancer	79.8 (51.8 to 110)	107 (80.6 to 136)	-0.499 (-10.9 to 10.6)
9 Colorectal cancer	9 Stomach cancer	18.6 (-1.36 to 41.6)	36.1 (17.2 to 59)	-37.4 (-42.5 to -32.5)
10 Road injuries	10 Chronic kidney disease	142 (83 to 203)	178 (115 to 260)	6.86 (-21.8 to 45.2)
11 Chronic kidney disease	11 Lower respiratory infect	123 (85 to 165)	156 (114 to 196)	-29.9 (-39.5 to -17.5)
12 Lower respiratory infect	12 Falls	118 (64.9 to 176)	150 (99.4 to 209)	-13.4 (-21.4 to -4.6)
13 Diabetes	13 Pancreatic cancer	151 (72.9 to 235)	187 (108 to 286)	38.5 (4.52 to 76.1)
14 Liver cancer	14 Liver cancer	71.8 (26.7 to 127)	97.5 (47 to 161)	10.8 (-20.4 to 56.1)
15 Cirrhosis liver	15 Atrial fibrillation	327 (231 to 449)	390 (289 to 519)	20.3 (7.28 to 33.9)
16 Falls	16 Diabetes	57.5 (22.2 to 102)	81.1 (42.5 to 144)	-28.7 (-46.8 to -1.77)
17 Self-harm	17 Parkinson's disease	171 (124 to 226)	211 (168 to 261)	-2.04 (-10.2 to 7.72)
18 Pancreatic cancer	18 Cirrhosis liver	23.2 (-2.78 to 55.9)	41.6 (13.9 to 80.2)	-20.6 (-37.3 to 2.17)
19 COVID-19	19 Road injuries	-19.5 (-44.2 to 14.6)	-7.31 (-36.6 to 34.1)	-21.8 (-50.1 to 23.3)
20 Parkinson's disease	20 Self-harm	27.8 (3.24 to 53.4)	46.9 (23.4 to 74.7)	-14.8 (-29.8 to 4.32)
24 Atrial fibrillation	132 COVID-19			

### North Korea, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	16.9 (-8.56 to 50.1)	27.4 (1.53 to 59.7)	-38 (-52.9 to -15.3)
2 Ischemic heart disease	2 COPD	106 (55.1 to 168)	124 (75.5 to 183)	-5.34 (-33.4 to 38.4)
3 COPD	3 Ischemic heart disease	38.7 (-4.22 to 97.3)	51.3 (5.89 to 112)	-28.5 (-54 to 14.1)
4 Tuberculosis	4 Hypertensive heart disease	118 (49.7 to 210)	137 (62.2 to 226)	2.44 (-34.6 to 57.5)
5 Lung cancer	5 Alzheimer's disease	148 (69.5 to 231)	170 (90.2 to 246)	-3.79 (-8.53 to 1.85)
6 Road injuries	6 Lung cancer	56.2 (6.48 to 117)	69.8 (23.5 to 121)	-4.25 (-24.4 to 16.8)
7 Hypertensive heart disease	7 Lower respiratory infect	65.6 (29.6 to 109)	80.3 (49.5 to 116)	-26.4 (-40.2 to -9.38)
8 Stomach cancer	8 Chronic kidney disease	106 (53 to 170)	125 (73.3 to 190)	18.9 (-11.9 to 65.1)
9 Lower respiratory infect	9 Tuberculosis	-28.7 (-50.7 to -1.93)	-22.2 (-44.7 to 8.67)	-53.3 (-68 to -31.4)
10 Alzheimer's disease	10 Stomach cancer	7.92 (-11.1 to 31.6)	17.5 (2.8 to 33.8)	-32 (-37.6 to -25.7)
11 Cirrhosis liver	11 Road injuries	-14.5 (-46 to 37.1)	-6.63 (-37.7 to 50.3)	-13.6 (-45.4 to 42.4)
12 Diabetes	12 Diabetes	34.5 (-5.49 to 81.1)	46.7 (6.28 to 93.1)	-24.2 (-46.2 to 8.62)
13 Chronic kidney disease	13 Colorectal cancer	65.7 (6.46 to 137)	80.1 (21.5 to 159)	0.115 (-24.5 to 32.2)
14 Colorectal cancer	14 Esophageal cancer	68.4 (35.8 to 103)	83.3 (61.6 to 108)	7.23 (-6.13 to 20.3)
15 Esophageal cancer	15 Cirrhosis liver	8.28 (-16.2 to 42)	18.1 (-7.06 to 51.9)	-23.5 (-40.6 to -2.12)
16 Self-harm	16 Liver cancer	67.8 (17.4 to 143)	83.1 (30 to 163)	16.2 (-19.4 to 75.8)
17 Liver cancer	17 Atrial fibrillation	190 (91.1 to 303)	215 (114 to 325)	11.7 (-3.16 to 32.8)
18 Falls	18 Parkinson's disease	137 (84.9 to 193)	158 (118 to 205)	8.97 (-3.16 to 20.1)
19 Breast cancer	19 Falls	64 (19.2 to 121)	78.4 (37.1 to 133)	-9.77 (-18.6 to -0.535)
20 Upper digest diseases	20 Self-harm	6.69 (-16.1 to 35.1)	16.3 (-5.52 to 43.9)	-12.1 (-29.2 to 10.3)
23 Parkinson's disease	22 Breast cancer			
27 Atrial fibrillation	23 Upper digest diseases			

### Taiwan (Province of China), Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Lower respiratory infect	119 (86.9 to 154)	152 (122 to 185)	-18.1 (-27.2 to -6.38)
2 Ischemic heart disease	2 Chronic kidney disease	239 (181 to 308)	291 (228 to 366)	34.2 (9 to 64)
3 Stroke	3 Alzheimer's disease	201 (159 to 248)	246 (209 to 281)	2.23 (-1.35 to 6.16)
4 Lung cancer	4 Lung cancer	88.9 (51.2 to 122)	117 (79.1 to 151)	-0.962 (-15.4 to 11.2)
5 Diabetes	5 Colorectal cancer	111 (62.7 to 164)	142 (92.4 to 185)	3.86 (-15.4 to 21.2)
6 Alzheimer's disease	6 COPD	132 (92.9 to 184)	168 (123 to 222)	-14.9 (-30.6 to 2.87)
7 Colorectal cancer	7 Stroke	13 (-2.09 to 33.1)	30 (14.5 to 50)	-47.6 (-54.6 to -39.2)
8 Chronic kidney disease	8 Diabetes	44.9 (17.9 to 75.5)	66.8 (37 to 97.8)	-36.1 (-46.6 to -23.3)
9 COPD	9 Urinary diseases	291 (223 to 374)	350 (282 to 432)	41.7 (21.8 to 67.1)
10 Cirrhosis liver	10 Ischemic heart disease	-1.61 (-22.3 to 25.6)	13.3 (-10.9 to 45.2)	-57 (-66.7 to -42.3)
11 COVID-19	11 Hypertensive heart disease	176 (117 to 256)	218 (147 to 314)	13.7 (-11.6 to 52.1)
12 Hypertensive heart disease	12 Pancreatic cancer	136 (84.7 to 194)	171 (121 to 220)	35.1 (12 to 56.7)
13 Liver cancer	13 Liver cancer	75.8 (49.1 to 108)	102 (74.6 to 140)	13.8 (-3.29 to 36.3)
14 Urinary diseases	14 Atrial fibrillation	252 (200 to 324)	305 (247 to 368)	18.3 (6.79 to 31)
15 Stomach cancer	15 Cirrhosis liver	9.35 (-4.81 to 26.1)	25.8 (10.9 to 40.2)	-23.1 (-30.9 to -12.3)
16 Self-harm	16 Parkinson's disease	140 (106 to 176)	176 (149 to 206)	-2.82 (-11.8 to 7.65)
17 Road injuries	17 Stomach cancer	33.6 (15 to 55.6)	53.7 (35 to 74.8)	-35.3 (-41.5 to -28.6)
18 Pancreatic cancer	18 Prostate cancer	131 (86.6 to 179)	166 (125 to 207)	0.199 (-11.3 to 10.5)
19 Esophageal cancer	19 Falls	84.7 (52.9 to 114)	112 (83.6 to 140)	-13.2 (-20.7 to -5.42)
20 Breast cancer	20 Esophageal cancer	22 (7.64 to 38.5)	40.3 (25.7 to 55.8)	-4.9 (-14.5 to 6.95)
21 Falls	21 Breast cancer			
23 Parkinson's disease	22 Self-harm			
24 Prostate cancer	23 Road injuries			
25 Atrial fibrillation	131 COVID-19			



### American Samoa, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	1.63 (-28.7 to 41.3)	-18.1 (-42.8 to 15.6)	<b>-45.4 (-63.3 to -18.7)</b>
2 Diabetes	2 Chronic kidney disease	<b>130 (77.6 to 194)</b>	<b>85.1 (42.5 to 140)</b>	24.4 (-8.37 to 68.3)
3 Stroke	3 Diabetes	27.6 (-2.05 to 59.1)	2.72 (-20.5 to 29.5)	<b>-30.4 (-47.7 to -6.92)</b>
4 Chronic kidney disease	4 Stroke	24.1 (-0.0677 to 49.1)	-0.118 (-19 to 22.5)	<b>-37.8 (-51.5 to -21.1)</b>
5 COPD	5 COPD	<b>122 (79.3 to 172)</b>	<b>78.8 (38.8 to 123)</b>	-0.268 (-24.8 to 34.5)
6 Lung cancer	6 Lung cancer	<b>112 (55.3 to 180)</b>	<b>69.9 (26.8 to 116)</b>	15.8 (-7.06 to 39.8)
7 Lower respiratory infect	7 Prostate cancer	<b>152 (85.4 to 225)</b>	<b>102 (48.1 to 161)</b>	6.09 (-10.2 to 24.4)
8 Breast cancer	8 Lower respiratory infect	<b>74.3 (47.4 to 102)</b>	<b>40.2 (19.8 to 61.4)</b>	<b>-14.1 (-24.6 to -0.965)</b>
9 Prostate cancer	9 Alzheimer's disease	<b>188 (113 to 263)</b>	<b>131 (76 to 177)</b>	<b>5.6 (1.67 to 9.89)</b>
10 Endo/metab/blood/immune	10 Breast cancer	<b>81.4 (28.9 to 145)</b>	<b>45.7 (4.43 to 90.8)</b>	8.14 (-16.4 to 35.1)
11 Stomach cancer	11 Endo/metab/blood/immune	<b>124 (92.8 to 156)</b>	<b>80 (59.9 to 105)</b>	<b>29.5 (15.8 to 47.2)</b>
12 Colorectal cancer	12 Colorectal cancer	<b>99.4 (40 to 169)</b>	<b>60.1 (14.1 to 113)</b>	6.75 (-17.6 to 32)
13 Alzheimer's disease	13 Diarrheal diseases	<b>136 (73 to 210)</b>	<b>90.1 (36.8 to 155)</b>	2.56 (-30.2 to 54.9)
14 Cirrhosis liver	14 Hypertensive heart disease	<b>106 (51.8 to 179)</b>	<b>66 (19.1 to 130)</b>	8.97 (-25.6 to 56.3)
15 Hypertensive heart disease	15 Stomach cancer	<b>28 (7.02 to 50.7)</b>	2.96 (-11.9 to 19.9)	<b>-30.6 (-35.2 to -25.1)</b>
16 Diarrheal diseases	16 Urinary diseases	<b>198 (142 to 263)</b>	<b>140 (93.8 to 184)</b>	<b>40.3 (13.8 to 72.8)</b>
17 Road injuries	17 Bacterial skin	<b>183 (91.9 to 304)</b>	<b>128 (52.3 to 237)</b>	<b>67 (11.9 to 147)</b>
18 Self-harm	18 Cirrhosis liver	10.9 (-5.92 to 30.6)	-10.7 (-24.6 to 6.64)	<b>-24.3 (-35.9 to -10.4)</b>
19 Drowning	19 Pancreatic cancer	<b>167 (92.1 to 265)</b>	<b>115 (55.4 to 179)</b>	<b>47.6 (14.1 to 84.9)</b>
20 Asthma	20 Liver cancer	<b>92.2 (47.9 to 156)</b>	<b>54.8 (17.9 to 108)</b>	19.6 (-10.9 to 63.4)
22 Liver cancer	23 Road injuries			
24 Urinary diseases	25 Self-harm			
26 Bacterial skin	30 Asthma			
29 Pancreatic cancer	31 Drowning			

### Cook Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Diabetes	1 Diabetes	17.3 (-7.53 to 47.6)	18.1 (-7.16 to 46.2)	<b>-31.2 (-46 to -7.44)</b>
2 Ischemic heart disease	2 Hypertensive heart disease	<b>90.6 (35.8 to 166)</b>	<b>91.9 (36.2 to 164)</b>	14.1 (-22.3 to 65.5)
3 Stroke	3 Ischemic heart disease	-17.3 (-41.9 to 13.5)	-16.8 (-38 to 13.5)	<b>-52.4 (-68 to -29.3)</b>
4 Hypertensive heart disease	4 Stroke	7.13 (-13 to 32.2)	7.77 (-10.1 to 30.3)	<b>-38.2 (-50.5 to -20.7)</b>
5 Lower respiratory infect	5 Lower respiratory infect	<b>47 (24 to 78.8)</b>	<b>47.7 (27.1 to 68.8)</b>	<b>-25.7 (-35.6 to -12.7)</b>
6 Lung cancer	6 Alzheimer's disease	<b>148 (91.5 to 224)</b>	<b>149 (95.9 to 215)</b>	3.06 (-1.22 to 7.08)
7 Prostate cancer	7 COPD	<b>96.6 (51.6 to 152)</b>	<b>97.8 (56.4 to 152)</b>	-4.26 (-31.3 to 37.8)
8 COPD	8 Prostate cancer	<b>66.3 (21.9 to 122)</b>	<b>67 (22.7 to 112)</b>	-15.1 (-31.4 to 1.06)
9 Chronic kidney disease	9 Chronic kidney disease	<b>102 (54.1 to 162)</b>	<b>104 (60.4 to 166)</b>	15.8 (-13.7 to 61.3)
10 Alzheimer's disease	10 Lung cancer	<b>36.5 (0.566 to 82.6)</b>	<b>37 (0.949 to 74.8)</b>	-10.7 (-28.3 to 10.1)
11 Breast cancer	11 Breast cancer	<b>81.8 (27.5 to 148)</b>	<b>82.5 (30.3 to 146)</b>	12.4 (-12.1 to 38.5)
12 Road injuries	12 Liver cancer	<b>66 (24.4 to 128)</b>	<b>67.1 (28.2 to 129)</b>	27.2 (-5.68 to 77)
13 Liver cancer	13 Atrial fibrillation	<b>183 (115 to 282)</b>	<b>185 (120 to 254)</b>	<b>20.9 (10.2 to 33.1)</b>
14 Self-harm	14 Road injuries	1.38 (-32.8 to 50.1)	2.14 (-33.3 to 55.1)	-5.63 (-39.5 to 45.9)
15 Stomach cancer	15 Colorectal cancer	<b>83.3 (25.9 to 162)</b>	<b>83.9 (32 to 153)</b>	7.63 (-17.8 to 36.8)
16 Colorectal cancer	16 Endo/metab/blood/immune	<b>93.9 (60.2 to 134)</b>	<b>95 (63.9 to 128)</b>	<b>17.7 (3.81 to 33)</b>
17 Atrial fibrillation	17 Self-harm	9.48 (-11 to 34.6)	10.1 (-6.38 to 30.5)	-1.02 (-18.7 to 24)
18 Endo/metab/blood/immune	18 Pancreatic cancer	<b>86.2 (35.6 to 148)</b>	<b>87 (36.5 to 144)</b>	26.2 (-3.94 to 60.9)
19 Asthma	19 Parkinson's disease	<b>82.1 (51.2 to 118)</b>	<b>83 (57.4 to 109)</b>	-7.1 (-16.4 to 1.63)
20 Parkinson's disease	20 Falls	<b>72 (34.6 to 121)</b>	<b>72.9 (37.6 to 111)</b>	-10 (-19.4 to 0.66)
21 Pancreatic cancer	21 Stomach cancer			
23 Falls	23 Asthma			

### Fiji, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Diabetes	1 Diabetes	28.5 (-6.64 to 74.7)	32.1 (-0.613 to 76.3)	-24.6 (-45.3 to 5.24)
2 Ischemic heart disease	2 Ischemic heart disease	-0.785 (-31.6 to 46.8)	1.98 (-27.6 to 45.6)	<b>-43 (-61.9 to -13.1)</b>
3 Stroke	3 Stroke	23.2 (-4.45 to 64.3)	26.6 (-0.619 to 63.1)	<b>-35.8 (-51.4 to -13.1)</b>
4 COVID-19	4 Chronic kidney disease	<b>126 (71.5 to 207)</b>	<b>132 (75 to 207)</b>	32 (-4.69 to 81.3)
5 Chronic kidney disease	5 COPD	<b>106 (53.5 to 187)</b>	<b>111 (60.5 to 183)</b>	-2.8 (-29.3 to 33.4)
6 Lower respiratory infect	6 Hypertensive heart disease	<b>104 (45.6 to 192)</b>	<b>110 (49.2 to 194)</b>	7.58 (-27.8 to 55.3)
7 Asthma	7 Lower respiratory infect	<b>38.3 (9.16 to 77)</b>	<b>42.1 (14.7 to 72.7)</b>	-18 (-31.5 to 1.22)
8 COPD	8 Breast cancer	<b>61.5 (9.61 to 127)</b>	<b>65.6 (15.5 to 120)</b>	2.71 (-20.6 to 29.5)
9 Breast cancer	9 Alzheimer's disease	<b>203 (90.1 to 336)</b>	<b>211 (105 to 318)</b>	3.68 (-0.572 to 7.93)
10 Hypertensive heart disease	10 Asthma	-14.7 (-33.4 to 13)	-12.4 (-31.5 to 11.1)	<b>-55.5 (-63.4 to -44.6)</b>
11 Diarrheal diseases	11 Diarrheal diseases	43.4 (-0.37 to 107)	<b>47.3 (1.44 to 107)</b>	-29.7 (-55.9 to 9.3)
12 Neonatal disorders	12 Lung cancer	<b>109 (39.1 to 197)</b>	<b>114 (46.4 to 186)</b>	20.8 (-6.37 to 49.1)
13 Cervical cancer	13 Colorectal cancer	<b>95.2 (21.9 to 187)</b>	<b>100 (31.1 to 179)</b>	10.7 (-16.6 to 42.1)
14 Road injuries	14 Prostate cancer	<b>157 (57.4 to 288)</b>	<b>164 (59.6 to 262)</b>	17.8 (-6.14 to 42.5)
15 Self-harm	15 Cervical cancer	19.7 (-6.16 to 52.9)	23 (-0.811 to 55)	-18.3 (-35.2 to 2.89)
16 Congenital defects	16 Atrial fibrillation	<b>205 (105 to 331)</b>	<b>213 (120 to 319)</b>	<b>18.7 (7.67 to 31.8)</b>
17 Alzheimer's disease	17 Self-harm	-7.87 (-30.7 to 23.8)	-5.4 (-26.1 to 16.2)	-13.9 (-33.3 to 8.17)
18 Lung cancer	18 Neonatal disorders	<b>-40.4 (-62.1 to -8.68)</b>	<b>-38.9 (-61.2 to -7.59)</b>	-22.3 (-48.7 to 14.1)
19 Cirrhosis liver	19 Road injuries	-10.3 (-44.8 to 54)	-7.8 (-44.1 to 51.9)	-15.5 (-49.6 to 41.2)
20 Colorectal cancer	20 Liver cancer	<b>88.8 (31.2 to 165)</b>	<b>94.1 (39 to 170)</b>	23.8 (-13.8 to 80.4)
24 Prostate cancer	21 Cirrhosis liver			
27 Liver cancer	29 Congenital defects			
35 Atrial fibrillation	131 COVID-19			

### Guam, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	11.1 (-22 to 53.3)	15.4 (-18.9 to 64.5)	<b>-41.8 (-58.7 to -18.4)</b>
2 COVID-19	2 Alzheimer's disease	<b>287 (231 to 341)</b>	<b>301 (243 to 359)</b>	<b>-9.51 (-12.6 to -6.25)</b>
3 Stroke	3 Chronic kidney disease	<b>136 (79 to 201)</b>	<b>145 (84.2 to 221)</b>	28.1 (-1.45 to 65.1)
4 Lung cancer	4 Stroke	16.3 (-6.53 to 40.2)	20.6 (-4.99 to 52.8)	<b>-33.7 (-44.3 to -20)</b>
5 Chronic kidney disease	5 Lung cancer	<b>42.9 (7.74 to 78.4)</b>	<b>47.8 (15.5 to 82.9)</b>	-7.86 (-23.5 to 8.35)
6 Alzheimer's disease	6 COPD	<b>141 (83.6 to 200)</b>	<b>150 (90.7 to 223)</b>	-4.43 (-23.4 to 22.4)
7 Diabetes	7 Lower respiratory infect	<b>72.9 (41.8 to 107)</b>	<b>79.2 (46.6 to 111)</b>	<b>-21 (-30 to -11.2)</b>
8 Lower respiratory infect	8 Hypertensive heart disease	<b>96.2 (41.4 to 158)</b>	<b>104 (50.4 to 184)</b>	20.1 (-11.3 to 60.1)
9 COPD	9 Diabetes	8.85 (-15.9 to 37.1)	13 (-12.3 to 45.5)	<b>-37.9 (-49.7 to -21)</b>
10 Cirrhosis liver	10 Colorectal cancer	<b>56.4 (10.5 to 101)</b>	<b>61.7 (19.8 to 110)</b>	-10.6 (-31.4 to 11.1)
11 Self-harm	11 Prostate cancer	<b>141 (84.2 to 210)</b>	<b>149 (91.9 to 212)</b>	-3.29 (-16.5 to 10.7)
12 Hypertensive heart disease	12 Cirrhosis liver	-7.81 (-23.6 to 8.19)	-4.49 (-19.3 to 15.7)	<b>-21.9 (-31 to -8.5)</b>
13 Colorectal cancer	13 Diarrheal diseases	<b>283 (149 to 508)</b>	<b>298 (147 to 545)</b>	25.1 (-13.8 to 81.6)
14 Road injuries	14 Self-harm	-14 (-32.6 to 4.94)	-11.1 (-25.4 to 4.25)	-8.34 (-24.5 to 9.41)
15 Neonatal disorders	15 Liver cancer	<b>57.6 (19.5 to 94.9)</b>	<b>63.6 (23.9 to 106)</b>	18.1 (-11 to 53.9)
16 Breast cancer	16 Atrial fibrillation	<b>244 (182 to 304)</b>	<b>256 (194 to 319)</b>	<b>9.31 (1.95 to 17.1)</b>
17 Prostate cancer	17 Bacterial skin	<b>197 (108 to 324)</b>	<b>209 (109 to 346)</b>	<b>79.8 (31.2 to 147)</b>
18 Liver cancer	18 Breast cancer	7.16 (-19.7 to 33.5)	10.7 (-13.4 to 37.6)	-13.5 (-32 to 5.08)
19 Stomach cancer	19 Urinary diseases	<b>217 (136 to 319)</b>	<b>229 (151 to 331)</b>	<b>25.1 (5.94 to 48.2)</b>
20 Tuberculosis	20 Pancreatic cancer	<b>75.2 (33 to 119)</b>	<b>81.2 (40 to 125)</b>	22.1 (-1.78 to 50.2)
21 Pancreatic cancer	21 Road injuries			
22 Diarrheal diseases	22 Neonatal disorders			
25 Bacterial skin	23 Stomach cancer			
28 Atrial fibrillation	33 Tuberculosis			
33 Urinary diseases	130 COVID-19			

### Kiribati, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Diabetes	53.2 (15.9 to 95.8)	32.2 (2.79 to 69.6)	-19.9 (-39.6 to 9.42)
2 Diabetes	2 Ischemic heart disease	35.3 (-3.89 to 85.8)	16.7 (-16.5 to 59.7)	-29 (-53 to 4.38)
3 Stroke	3 Stroke	29.4 (2.78 to 55.2)	11.6 (-6.7 to 35.1)	-34.2 (-47.9 to -14.9)
4 Tuberculosis	4 COPD	98.9 (55.1 to 153)	71.6 (35.9 to 113)	-10.1 (-32.5 to 26)
5 Neonatal disorders	5 Chronic kidney disease	171 (108 to 249)	133 (88.4 to 203)	47.3 (10.7 to 99.6)
6 Diarrheal diseases	6 Diarrheal diseases	78.9 (27.3 to 138)	54.3 (14.1 to 104)	-4.94 (-39.6 to 43.6)
7 COPD	7 Tuberculosis	-29.8 (-51.3 to 3.17)	-39.5 (-57.1 to -11.9)	-59 (-72.4 to -37.7)
8 Chronic kidney disease	8 Lower respiratory infect	15.3 (-6.42 to 38.2)	-0.681 (-15 to 16.5)	-27.5 (-38.2 to -14.3)
9 Lower respiratory infect	9 Cervical cancer	39.6 (13.1 to 67.5)	20.4 (0.342 to 42.9)	-22.2 (-34.7 to -8.83)
10 Cirrhosis liver	10 Breast cancer	81.5 (28.2 to 150)	56.4 (12 to 110)	-1.28 (-22.4 to 24.9)
11 Self-harm	11 Cirrhosis liver	7.67 (-11 to 31.3)	-7.11 (-22.9 to 12.4)	-32.7 (-43.2 to -18.7)
12 Cervical cancer	12 Lung cancer	101 (39 to 174)	73.1 (24.7 to 133)	2.28 (-18.1 to 24.6)
13 Asthma	13 Self-harm	7.85 (-16.2 to 39.6)	-7.15 (-25.2 to 12)	-12.1 (-28.9 to 6.15)
14 Congenital defects	14 Alzheimer's disease	192 (100 to 292)	151 (75.9 to 237)	5.92 (0.763 to 10.2)
15 Stomach cancer	15 Neonatal disorders	-52.7 (-70.4 to -26.4)	-59.4 (-73.2 to -38.4)	-40.5 (-59.7 to -13.7)
16 Road injuries	16 Stomach cancer	28.9 (5.34 to 55.9)	11.1 (-7.71 to 28.3)	-30.7 (-35.9 to -25.1)
17 Breast cancer	17 Hypertensive heart disease	116 (57.2 to 190)	86.7 (32.1 to 150)	3.49 (-30.4 to 47.8)
18 Protein-energy malnutrition	18 Bacterial skin	207 (109 to 333)	165 (82.4 to 280)	83.2 (21.3 to 182)
19 Lung cancer	19 Road injuries	17.8 (-19.6 to 84.3)	1.49 (-31.6 to 50.4)	-9.94 (-40 to 36.8)
20 Upper digest diseases	20 Protein-energy malnutrition	15.2 (-31.3 to 81.6)	-0.719 (-38.5 to 55.9)	-19.9 (-56.1 to 41.1)
23 Hypertensive heart disease	22 Asthma			
25 Alzheimer's disease	24 Upper digest diseases			
28 Bacterial skin	27 Congenital defects			

### Marshall Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	60.6 (5.59 to 139)	25.4 (-14.9 to 81.4)	-27.2 (-56.5 to 16.5)
2 Stroke	2 Stroke	66.7 (25.5 to 120)	30 (3.6 to 62.8)	-28 (-48.1 to -1.32)
3 Diabetes	3 Diabetes	58.1 (12.1 to 114)	23.3 (-7.9 to 63.9)	-25 (-48.5 to 9.18)
4 Tuberculosis	4 Chronic kidney disease	189 (109 to 300)	125 (69.5 to 202)	40.6 (-3.51 to 104)
5 Lower respiratory infect	5 COPD	144 (85 to 206)	90.4 (48.6 to 138)	-7.36 (-34.2 to 25.8)
6 Chronic kidney disease	6 Lower respiratory infect	58.2 (23.5 to 95.4)	23.2 (3.18 to 46.6)	-19.1 (-34.2 to -1.71)
7 COPD	7 Tuberculosis	-25 (-50 to 9.2)	-41.5 (-59.4 to -16.5)	-60.9 (-74.3 to -41)
8 Self-harm	8 Lung cancer	144 (62.7 to 252)	89.5 (31.7 to 166)	8.34 (-15 to 34.3)
9 Cirrhosis liver	9 Hypertensive heart disease	138 (64.2 to 230)	85.5 (34.2 to 155)	1.52 (-35.3 to 53)
10 Road injuries	10 HIV/AIDS	604 (257 to 1020)	448 (184 to 778)	441 (182 to 765)
11 Lung cancer	11 Self-harm	16.9 (-13.3 to 53.1)	-8.78 (-31.9 to 20.6)	-12.8 (-34.9 to 15.3)
12 Hypertensive heart disease	12 Cirrhosis liver	26.4 (-1.09 to 57.1)	-1.4 (-18.3 to 22.1)	-27.6 (-41.1 to -9.76)
13 Neonatal disorders	13 Breast cancer	115 (41.5 to 226)	67 (13 to 134)	12.3 (-18.2 to 48.6)
14 Drowning	14 Road injuries	27.3 (-24.2 to 119)	-0.528 (-40.3 to 70.2)	-17.7 (-53.1 to 46.9)
15 Breast cancer	15 Alzheimer's disease	321 (165 to 524)	227 (119 to 356)	10.7 (6.2 to 14.5)
16 Stomach cancer	16 Colorectal cancer	145 (57.8 to 273)	90.2 (24.6 to 184)	11.1 (-19.1 to 45.4)
17 Asthma	17 Prostate cancer	213 (103 to 352)	143 (62.5 to 242)	2.41 (-12.8 to 20.6)
18 Rheumatic heart disease	18 Stomach cancer	43.2 (10.1 to 82.6)	11.5 (-6.21 to 33.3)	-31.5 (-37.1 to -25.1)
19 Diarrheal diseases	19 Diarrheal diseases	55.5 (5.45 to 115)	21.2 (-17.2 to 63.9)	-32.4 (-59.2 to 13)
20 Congenital defects	20 Cervical cancer	59.1 (24.5 to 97.2)	24.2 (-0.443 to 52.7)	-11 (-31.6 to 12.5)
21 Colorectal cancer	21 Neonatal disorders			
22 Cervical cancer	22 Drowning			
25 Prostate cancer	24 Asthma			
26 Alzheimer's disease	30 Rheumatic heart disease			
27 HIV/AIDS	32 Congenital defects			

### Federated States of Micronesia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	31.8 (-12.7 to 86.3)	33.1 (-7.74 to 84.4)	-23 (-50.3 to 16.3)
2 Stroke	2 Stroke	<b>35.7 (1.86 to 72.3)</b>	<b>36.9 (5.88 to 71.6)</b>	<b>-24.6 (-42.8 to -1.99)</b>
3 Diabetes	3 Diabetes	37.5 (-1.94 to 75.1)	<b>38.8 (4.93 to 83.1)</b>	-17.3 (-40.4 to 13.9)
4 Chronic kidney disease	4 Chronic kidney disease	<b>170 (89 to 254)</b>	<b>173 (105 to 254)</b>	<b>63.8 (17.7 to 126)</b>
5 COPD	5 COPD	<b>102 (45.7 to 159)</b>	<b>104 (49.1 to 164)</b>	0.171 (-25.9 to 34.8)
6 Lower respiratory infect	6 Lower respiratory infect	<b>37.5 (5.01 to 74.4)</b>	<b>38.6 (11.5 to 69)</b>	<b>-18.5 (-31.9 to -2.1)</b>
7 Lung cancer	7 Lung cancer	<b>91.8 (29.8 to 180)</b>	<b>93.3 (34.6 to 171)</b>	14.6 (-8.88 to 41.3)
8 Hypertensive heart disease	8 Hypertensive heart disease	<b>91.5 (32.1 to 165)</b>	<b>93.4 (37.7 to 165)</b>	4.21 (-30.8 to 52.2)
9 Self-harm	9 HIV/AIDS	<b>492 (261 to 878)</b>	<b>496 (261 to 837)</b>	<b>480 (254 to 809)</b>
10 Road injuries	10 Alzheimer's disease	<b>195 (97.4 to 343)</b>	<b>197 (97.2 to 311)</b>	<b>9.16 (4.89 to 13.3)</b>
11 Cirrhosis liver	11 Breast cancer	<b>55.8 (2.99 to 128)</b>	<b>57 (6.91 to 118)</b>	-1.12 (-24.7 to 25.8)
12 Breast cancer	12 Road injuries	2.72 (-39.8 to 61.5)	3.53 (-34.2 to 64.6)	-16.4 (-49.4 to 38.9)
13 Tuberculosis	13 Self-harm	-11 (-35.1 to 19)	-10.4 (-28.3 to 13.5)	-14.6 (-32.7 to 7.98)
14 Stomach cancer	14 Cirrhosis liver	-1.18 (-24.5 to 25.2)	-0.405 (-16.4 to 19.4)	<b>-27 (-38.1 to -10.7)</b>
15 Asthma	15 Prostate cancer	<b>175 (77.1 to 328)</b>	<b>177 (81.4 to 300)</b>	<b>25.4 (8.27 to 46.6)</b>
16 Neonatal disorders	16 Colorectal cancer	<b>87.3 (19.5 to 184)</b>	<b>88.7 (22 to 184)</b>	8.66 (-17.2 to 38.6)
17 Drowning	17 Stomach cancer	14.7 (-12.8 to 44.6)	15.7 (-8.84 to 42.4)	<b>-30.3 (-35.5 to -24.2)</b>
18 Interpersonal violence	18 Diarrheal diseases	<b>55.8 (5.64 to 109)</b>	<b>57.3 (8.77 to 112)</b>	-22.1 (-50.8 to 24.9)
19 Diarrheal diseases	19 Endo/metab/blood/immune	<b>97 (56.1 to 150)</b>	<b>98.5 (65.9 to 134)</b>	<b>24.6 (10.4 to 43.5)</b>
20 Colorectal cancer	20 Atrial fibrillation	<b>203 (111 to 324)</b>	<b>206 (113 to 323)</b>	<b>26.2 (15.7 to 37.4)</b>
21 Alzheimer's disease	21 Asthma			
25 Endo/metab/blood/immune	26 Drowning			
26 Prostate cancer	29 Tuberculosis			
29 HIV/AIDS	31 Interpersonal violence			
33 Atrial fibrillation	32 Neonatal disorders			

### Nauru, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	45.5 (-9.54 to 110)	-1.51 (-34.9 to 50.9)	-29.5 (-57.5 to 20.9)
2 Stroke	2 Stroke	<b>52.4 (12.3 to 95.7)</b>	3.08 (-19.9 to 31.4)	-27.3 (-47.9 to 3.39)
3 Diabetes	3 Diabetes	<b>67.1 (18.1 to 124)</b>	13.1 (-15.8 to 57)	-14.7 (-41.7 to 28.9)
4 Lower respiratory infect	4 Chronic kidney disease	<b>185 (107 to 276)</b>	<b>92.6 (46.9 to 151)</b>	45.9 (-0.196 to 117)
5 Road injuries	5 COPD	<b>92.4 (40 to 147)</b>	30.1 (-0.435 to 64.9)	-7.33 (-35.4 to 33.2)
6 Chronic kidney disease	6 Lower respiratory infect	18.1 (-7.14 to 45.7)	<b>-20.2 (-32.3 to -4.14)</b>	<b>-25.1 (-40 to -6.99)</b>
7 COPD	7 Road injuries	41.3 (-25.1 to 142)	-4.38 (-47.2 to 75)	-12.7 (-51.5 to 56.7)
8 Self-harm	8 Lung cancer	<b>123 (42.5 to 207)</b>	<b>50.5 (0.529 to 115)</b>	4.9 (-20 to 33.5)
9 Neonatal disorders	9 Self-harm	<b>43.9 (3.91 to 91.8)</b>	-2.68 (-25.8 to 25.9)	-9.57 (-30.5 to 16.1)
10 Lung cancer	10 Hypertensive heart disease	<b>123 (47.8 to 205)</b>	<b>50.6 (8.15 to 113)</b>	2.75 (-33.9 to 59)
11 Tuberculosis	11 Breast cancer	<b>106 (32.6 to 190)</b>	39.4 (-6.4 to 104)	5.29 (-21.9 to 38.1)
12 Cirrhosis liver	12 Cirrhosis liver	<b>54.8 (21.6 to 90.6)</b>	4.78 (-13.8 to 27.4)	<b>-21.4 (-36.2 to -0.411)</b>
13 Hypertensive heart disease	13 Neonatal disorders	-16.4 (-53.5 to 34.4)	<b>-43.6 (-66.6 to -9.96)</b>	-23 (-53.5 to 23.9)
14 Drowning	14 Colorectal cancer	<b>122 (36.1 to 217)</b>	50.3 (-5.56 to 123)	7.13 (-21.9 to 38.4)
15 Breast cancer	15 Drowning	0.548 (-34.7 to 48.9)	<b>-32 (-54.4 to -1.79)</b>	<b>-35.1 (-55.6 to -4.93)</b>
16 Congenital defects	16 Stomach cancer	<b>32.8 (4.6 to 60.7)</b>	-10.2 (-23.8 to 5.38)	<b>-34.1 (-38.9 to -27.6)</b>
17 Stomach cancer	17 Alzheimer's disease	<b>137 (52.9 to 223)</b>	<b>60 (9.74 to 124)</b>	<b>9.1 (4.92 to 13.3)</b>
18 Interpersonal violence	18 Tuberculosis	-26.4 (-53.1 to 8.87)	<b>-50.1 (-66.3 to -24.2)</b>	<b>-61 (-74.4 to -39.8)</b>
19 Asthma	19 Endo/metab/blood/immune	<b>136 (94 to 180)</b>	<b>59.3 (38.7 to 81)</b>	<b>24.6 (6.39 to 46.4)</b>
20 Colorectal cancer	20 Interpersonal violence	10.4 (-15 to 43.2)	<b>-25.3 (-40.9 to -5.22)</b>	<b>-31.5 (-44.5 to -13)</b>
24 Alzheimer's disease	22 Congenital defects			
26 Endo/metab/blood/immune	26 Asthma			



### Niue, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	<b>-28.2 (-47.4 to -1.93)</b>	-27.5 (-47.1 to 0.338)	<b>-44.9 (-62.6 to -18.6)</b>
2 Stroke	2 Diabetes	3.24 (-20 to 30)	4.2 (-19.5 to 31.3)	-21.3 (-40.8 to 5.02)
3 Diabetes	3 Stroke	-16.7 (-32.5 to 3.04)	-16 (-30.5 to 2.85)	<b>-38.1 (-50.4 to -21.2)</b>
4 Chronic kidney disease	4 Chronic kidney disease	<b>60.1 (24.3 to 104)</b>	<b>61.5 (26.4 to 108)</b>	23.2 (-10.7 to 67.9)
5 Neonatal disorders	5 COPD	<b>43.6 (17 to 84.9)</b>	<b>44.8 (16.5 to 79.5)</b>	2.04 (-22.3 to 37.1)
6 COPD	6 Lower respiratory infect	14.4 (-3.98 to 40.6)	15.3 (-1.45 to 34.7)	<b>-17.5 (-29.9 to -3.18)</b>
7 Lower respiratory infect	7 Lung cancer	<b>52.5 (6.77 to 99.2)</b>	<b>53.5 (12 to 98.7)</b>	17.2 (-5.91 to 41.8)
8 Lung cancer	8 Alzheimer's disease	<b>62.3 (24.2 to 105)</b>	<b>63.5 (27.4 to 100)</b>	<b>9.22 (5.73 to 13.3)</b>
9 Hypertensive heart disease	9 Hypertensive heart disease	<b>43.6 (6.09 to 94.5)</b>	<b>45 (1.03 to 98.9)</b>	8.9 (-23.9 to 59.5)
10 Alzheimer's disease	10 Neonatal disorders	<b>-34.3 (-55.3 to -3.18)</b>	<b>-33.7 (-55.4 to -4.08)</b>	-28.8 (-49.7 to 0.805)
11 Breast cancer	11 Breast cancer	36.8 (-7.89 to 84.1)	37.7 (-0.273 to 80.1)	5.27 (-19.5 to 32.9)
12 Congenital defects	12 Prostate cancer	<b>68.9 (18.1 to 120)</b>	<b>70 (23.8 to 121)</b>	15.9 (-2.61 to 33.6)
13 Road injuries	13 Colorectal cancer	48.9 (-1.28 to 110)	<b>49.9 (4.43 to 100)</b>	12.2 (-14.5 to 41.7)
14 Cirrhosis liver	14 Road injuries	-14.5 (-42.8 to 39.4)	-13.7 (-43.8 to 34.3)	-12.5 (-45.7 to 42.6)
15 Colorectal cancer	15 Cirrhosis liver	-15.1 (-28.8 to 2.12)	-14.3 (-26.5 to 1.11)	<b>-24.8 (-35.8 to -10.9)</b>
16 Self-harm	16 Atrial fibrillation	<b>68 (31.4 to 108)</b>	<b>69.2 (39.4 to 108)</b>	<b>14.8 (4.1 to 26.2)</b>
17 Prostate cancer	17 Endo/metab/blood/immune	<b>54.3 (28.8 to 87)</b>	<b>55.5 (38.6 to 77.3)</b>	<b>22 (8.27 to 37.2)</b>
18 Stomach cancer	18 Congenital defects	<b>-34.4 (-45.8 to -18.8)</b>	<b>-33.9 (-42.6 to -21.4)</b>	<b>-25.2 (-35.6 to -12.2)</b>
19 Asthma	19 Diarrheal diseases	8.8 (-21.2 to 50)	9.78 (-20.9 to 51.7)	-22.8 (-49.2 to 22.6)
20 Diarrheal diseases	20 Pancreatic cancer	<b>107 (42 to 186)</b>	<b>108 (48.1 to 175)</b>	<b>58.2 (23.1 to 100)</b>
22 Endo/metab/blood/immune	21 Stomach cancer			
24 Atrial fibrillation	22 Self-harm			
29 Pancreatic cancer	26 Asthma			

### Northern Mariana Islands, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	35.2 (0.64 to 82.3)	30.6 (-6.03 to 78)	-37.7 (-58.1 to -7.6)
2 Stroke	2 Chronic kidney disease	214 (151 to 287)	203 (145 to 275)	43.7 (10.5 to 93.8)
3 Diabetes	3 Stroke	74.4 (44.1 to 110)	68.4 (40 to 101)	-30.3 (-43.7 to -11.7)
4 Chronic kidney disease	4 COPD	206 (154 to 271)	196 (145 to 254)	3.91 (-18.9 to 36)
5 Lung cancer	5 Diabetes	63 (31.5 to 101)	57.4 (24.1 to 94.1)	-23.7 (-42.2 to -1.11)
6 COPD	6 Lung cancer	95.6 (44.4 to 153)	88.5 (43 to 133)	-4.22 (-21.6 to 15)
7 Cirrhosis liver	7 Alzheimer's disease	336 (240 to 438)	320 (226 to 411)	3.52 (-0.219 to 6.83)
8 Lower respiratory infect	8 Lower respiratory infect	135 (106 to 172)	127 (100 to 159)	-12.6 (-22 to -1.24)
9 Self-harm	9 Diarrheal diseases	423 (284 to 584)	405 (271 to 570)	55.1 (4.82 to 129)
10 Breast cancer	10 Colorectal cancer	110 (39.1 to 187)	102 (37.4 to 169)	-4.17 (-26.7 to 18.2)
11 Colorectal cancer	11 Prostate cancer	214 (128 to 304)	202 (125 to 289)	-1.86 (-16.7 to 16.5)
12 Road injuries	12 Cirrhosis liver	11.5 (-5.34 to 28.6)	7.7 (-9.26 to 25.1)	-26.2 (-36.2 to -10.6)
13 Stomach cancer	13 Breast cancer	75.6 (26.5 to 136)	69.3 (20.8 to 125)	-6.29 (-25.5 to 16.7)
14 Alzheimer's disease	14 Pancreatic cancer	191 (95.6 to 292)	181 (93.1 to 263)	36.1 (4.59 to 71.6)
15 Tuberculosis	15 Bacterial skin	307 (172 to 480)	293 (162 to 476)	84.8 (21.2 to 180)
16 Prostate cancer	16 Urinary diseases	309 (240 to 384)	295 (226 to 369)	47.1 (21 to 79.2)
17 Drowning	17 Atrial fibrillation	331 (232 to 423)	315 (229 to 398)	19.5 (9.16 to 29.6)
18 Diarrheal diseases	18 Stomach cancer	45.5 (20.1 to 69)	40.4 (19.4 to 58.4)	-32.6 (-38.1 to -26.9)
19 Cervical cancer	19 Hypertensive heart disease	177 (101 to 280)	167 (90.3 to 272)	17 (-21.7 to 70.2)
20 Pancreatic cancer	20 Self-harm	-0.114 (-17.1 to 18.1)	-3.59 (-19.2 to 13.5)	-15.6 (-30.1 to 1.28)
23 Hypertensive heart disease	22 Road injuries			
25 Bacterial skin	27 Cervical cancer			
26 Urinary diseases	30 Tuberculosis			
29 Atrial fibrillation	40 Drowning			

### Palau, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	6.36 (-25.7 to 48.4)	22.4 (-13.4 to 66.2)	<b>-37.8 (-57.5 to -10.4)</b>
2 Stroke	2 Stroke	24.4 (-5.71 to 59.2)	<b>43 (14.9 to 77.6)</b>	<b>-31.3 (-45.5 to -14.2)</b>
3 Diabetes	3 Diabetes	<b>37.7 (1.82 to 79.8)</b>	<b>58.5 (22.7 to 102)</b>	-19.3 (-38.6 to 4.22)
4 COPD	4 COPD	<b>145 (84.5 to 206)</b>	<b>182 (118 to 245)</b>	2.83 (-20.4 to 35.8)
5 Lung cancer	5 Chronic kidney disease	<b>154 (88.4 to 236)</b>	<b>193 (124 to 276)</b>	<b>44.8 (8.45 to 94.1)</b>
6 Chronic kidney disease	6 Lung cancer	<b>93.7 (35.5 to 163)</b>	<b>123 (58.2 to 187)</b>	12.7 (-10.1 to 36.6)
7 Lower respiratory infect	7 Lower respiratory infect	<b>76.7 (39.7 to 122)</b>	<b>103 (66 to 145)</b>	<b>-17.6 (-29.4 to -3.82)</b>
8 Breast cancer	8 Diarrheal diseases	<b>167 (90.1 to 252)</b>	<b>207 (126 to 307)</b>	-1.34 (-32 to 40.5)
9 Stomach cancer	9 Alzheimer's disease	<b>238 (147 to 341)</b>	<b>288 (192 to 398)</b>	3.67 (-0.905 to 8.67)
10 Cirrhosis liver	10 Prostate cancer	<b>199 (108 to 308)</b>	<b>244 (143 to 342)</b>	<b>23.3 (5.35 to 42.2)</b>
11 Road injuries	11 Breast cancer	47.9 (-0.233 to 106)	<b>70.1 (17.7 to 128)</b>	-11.1 (-32.2 to 11.6)
12 Diarrheal diseases	12 Lip oral cavity cancer	<b>60.8 (33.8 to 100)</b>	<b>85 (60.1 to 114)</b>	7.07 (-2.18 to 15.9)
13 Asthma	13 Pancreatic cancer	<b>166 (69 to 281)</b>	<b>205 (102 to 324)</b>	28.8 (-2.84 to 64.3)
14 Lip oral cavity cancer	14 Colorectal cancer	<b>71.2 (9.51 to 144)</b>	<b>96.8 (30.6 to 163)</b>	-11.9 (-32.7 to 12.5)
15 Cervical cancer	15 Falls	<b>86.4 (36.3 to 142)</b>	<b>114 (64.3 to 169)</b>	<b>-19.1 (-27.6 to -9.58)</b>
16 Self-harm	16 Stomach cancer	8.5 (-12.2 to 34.4)	<b>24.7 (2.85 to 46.8)</b>	<b>-34 (-39.6 to -27.6)</b>
17 Colorectal cancer	17 Cervical cancer	14 (-9.33 to 39.7)	<b>31.2 (7.45 to 58.8)</b>	<b>-25.2 (-36.5 to -9.93)</b>
18 Prostate cancer	18 Hypertensive heart disease	<b>91 (34.8 to 158)</b>	<b>120 (55.4 to 205)</b>	6.55 (-26.3 to 53.4)
19 Falls	19 Cirrhosis liver	-16.5 (-32.6 to 2.56)	-3.9 (-18.4 to 14.6)	<b>-20.7 (-32.7 to -5.05)</b>
20 Alzheimer's disease	20 Liver cancer	<b>56.5 (9.27 to 118)</b>	<b>80.2 (32.2 to 150)</b>	37.3 (-1.65 to 92.4)
21 Pancreatic cancer	21 Road injuries			
22 Liver cancer	22 Asthma			
25 Hypertensive heart disease	24 Self-harm			

### Papua New Guinea, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	149 (91.4 to 214)	23.4 (-4.68 to 49.5)	-25.5 (-44.1 to -1.99)
2 Lower respiratory infect	2 Ischemic heart disease	157 (65.2 to 281)	27.4 (-17 to 86)	-18.4 (-49.7 to 25.3)
3 Ischemic heart disease	3 COPD	153 (85.3 to 230)	25.3 (-5.52 to 65)	-31.6 (-51.7 to -4.29)
4 COPD	4 Diabetes	182 (101 to 264)	39.7 (4.28 to 80.1)	-6.63 (-33.4 to 28.4)
5 Diabetes	5 Lower respiratory infect	-17.5 (-34.5 to 0.724)	-59.2 (-66.7 to -49.9)	-49.9 (-59.6 to -38.5)
6 Neonatal disorders	6 Malaria	142 (-83.9 to 482)	20.9 (-91.3 to 191)	9.43 (-87.6 to 163)
7 Malaria	7 Diarrheal diseases	33.1 (-13 to 89.9)	-34.1 (-56.5 to -3.68)	-36.8 (-62.1 to 0.314)
8 Diarrheal diseases	8 Chronic kidney disease	338 (203 to 486)	117 (56.8 to 187)	59.6 (8.59 to 126)
9 Tuberculosis	9 Lung cancer	216 (113 to 333)	56 (9.85 to 111)	-2.65 (-23.2 to 21.6)
10 Congenital defects	10 Neonatal disorders	-30.5 (-60 to 11.3)	-65.7 (-79.4 to -46.9)	-51.4 (-69.5 to -26.8)
11 COVID-19	11 Road injuries	51.7 (-13.4 to 153)	-24.9 (-56 to 29.6)	-31.8 (-59.6 to 17.1)
12 Road injuries	12 Congenital defects	-6.14 (-26.3 to 19.6)	-53.6 (-61.7 to -42.7)	-37.6 (-46.6 to -26.4)
13 Asthma	13 Hypertensive heart disease	189 (94.7 to 302)	43 (-0.639 to 103)	-12.4 (-44.7 to 30.9)
14 Pertussis	14 Tuberculosis	-10.8 (-41.1 to 24.8)	-55.8 (-70.2 to -35.8)	-67.2 (-79 to -49.9)
15 Rheumatic heart disease	15 Alzheimer's disease	399 (252 to 611)	146 (76.8 to 223)	7.78 (3.92 to 11.4)
16 Measles	16 Asthma	29.9 (3.26 to 61.2)	-35.8 (-48 to -21.9)	-60.2 (-68.7 to -50.3)
17 Drowning	17 Breast cancer	177 (89.7 to 294)	36.8 (-5.2 to 88.2)	9.26 (-19.1 to 42.9)
18 Lung cancer	18 Prostate cancer	312 (175 to 469)	104 (40.1 to 171)	3.72 (-13.2 to 21.3)
19 Interpersonal violence	19 Stomach cancer	97.1 (57.5 to 143)	-2.55 (-16.7 to 14.3)	-35.2 (-40.3 to -29.5)
20 HIV/AIDS	20 Interpersonal violence	44.4 (16.7 to 81.8)	-28.6 (-39.4 to -14.7)	-33 (-42.3 to -19.4)
21 Hypertensive heart disease	21 Pertussis			
23 Chronic kidney disease	22 Drowning			
24 Stomach cancer	24 Rheumatic heart disease			
25 Breast cancer	29 HIV/AIDS			
29 Alzheimer's disease	65 Measles			
34 Prostate cancer	132 COVID-19			

### Samoa, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	40 (1.2 to 90.8)	-4.87 (-31.4 to 29.2)	-24.8 (-50.8 to 10.7)
2 Stroke	2 Stroke	38.8 (10.7 to 69.7)	-5.73 (-19.9 to 13.4)	-28 (-43.7 to -6.7)
3 Diabetes	3 Diabetes	48.6 (17.1 to 84.2)	0.962 (-17.6 to 24.7)	-18.2 (-36.7 to 7.76)
4 Measles	4 Chronic kidney disease	194 (123 to 271)	99.9 (55.4 to 153)	61.4 (16.9 to 119)
5 COPD	5 COPD	72 (36.7 to 111)	16.8 (-4.58 to 41.9)	-15.1 (-38.2 to 16)
6 Lower respiratory infect	6 Lower respiratory infect	32.3 (10.6 to 57.4)	-10.2 (-22.9 to 1.18)	-25.3 (-36.1 to -12.2)
7 Chronic kidney disease	7 Hypertensive heart disease	96.6 (41.7 to 163)	33.5 (-0.939 to 80.1)	2.42 (-31.8 to 51.4)
8 Hypertensive heart disease	8 HIV/AIDS	619 (271 to 1140)	387 (147 to 754)	358 (138 to 703)
9 Neonatal disorders	9 Alzheimer's disease	129 (67.2 to 211)	55.6 (17.9 to 101)	0.486 (-4.27 to 4.55)
10 Road injuries	10 Road injuries	36.6 (-18 to 128)	-7.3 (-41.6 to 54.2)	-15.3 (-46.5 to 39.8)
11 Self-harm	11 Self-harm	40.5 (9.3 to 77.2)	-4.67 (-22.9 to 16.4)	-12.7 (-28.5 to 6.88)
12 Alzheimer's disease	12 Breast cancer	71.4 (21.6 to 134)	16.3 (-16 to 49.9)	-1.57 (-25.5 to 22.1)
13 Cirrhosis liver	13 Cirrhosis liver	17.4 (-6.02 to 42.3)	-20.3 (-33.9 to -5.37)	-28.8 (-40.8 to -14.1)
14 Asthma	14 Neonatal disorders	-23.6 (-51.3 to 15.5)	-48.2 (-67 to -22.1)	-38.5 (-59.5 to -11)
15 Breast cancer	15 Colorectal cancer	90.6 (32 to 175)	29.4 (-9.65 to 79.5)	1.87 (-21.9 to 28.6)
16 Stomach cancer	16 Endo/metab/blood/immune	118 (82.2 to 149)	48 (31.5 to 65.3)	23.1 (8.59 to 36.7)
17 Congenital defects	17 Measles	-73.7 (-94.6 to 39.5)	-82.3 (-96.2 to -20)	-78.9 (-95.4 to -9.96)
18 Tuberculosis	18 Lung cancer	69.2 (26.5 to 126)	14.9 (-15.1 to 49.9)	-6.36 (-25.1 to 13)
19 Drowning	19 Diarrheal diseases	109 (54.8 to 173)	42.3 (2.69 to 91.5)	8.04 (-30.5 to 64.2)
20 Colorectal cancer	20 Prostate cancer	149 (83.1 to 245)	69.5 (25.2 to 127)	19.6 (0.92 to 38.2)
21 Lung cancer	22 Stomach cancer			
22 Endo/metab/blood/immune	24 Asthma			
26 Diarrheal diseases	29 Drowning			
29 HIV/AIDS	30 Congenital defects			
32 Prostate cancer	37 Tuberculosis			

### Solomon Islands, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	73.8 (13 to 158)	21.1 (-16.3 to 73)	-20.7 (-51.2 to 21.7)
2 Stroke	2 Stroke	64.7 (23.1 to 109)	14.7 (-8.71 to 40)	-27.3 (-45.3 to -4.44)
3 Lower respiratory infect	3 Diabetes	120 (54.7 to 190)	53.3 (16.6 to 98.2)	6.23 (-23.9 to 49.4)
4 Diabetes	4 Lower respiratory infect	26.8 (1.27 to 57.4)	-11.8 (-25.6 to 2.13)	-31.4 (-41.6 to -17.8)
5 Malaria	5 Malaria	164 (-55 to 369)	80.8 (-71.8 to 219)	24.2 (-73.8 to 125)
6 COPD	6 COPD	91.8 (39.6 to 152)	33.5 (4.03 to 66)	-22 (-43.1 to 8.54)
7 Self-harm	7 Chronic kidney disease	220 (124 to 337)	123 (65.7 to 197)	63.5 (15.8 to 129)
8 Cirrhosis liver	8 HIV/AIDS	623 (280 to 1040)	401 (176 to 640)	388 (167 to 617)
9 Road injuries	9 Lung cancer	152 (75.6 to 254)	75 (24.8 to 141)	14.4 (-10.2 to 42.6)
10 Neonatal disorders	10 Self-harm	36.8 (2.39 to 81.1)	-4.77 (-23.8 to 22.1)	-14.1 (-31.4 to 9.5)
11 Chronic kidney disease	11 Road injuries	37.6 (-23.2 to 143)	-4.11 (-43.2 to 68.1)	-17.7 (-50.1 to 42.3)
12 Drowning	12 Cirrhosis liver	19.5 (-7.79 to 49.9)	-16.8 (-31 to 0.182)	-36.3 (-48.2 to -21.2)
13 Tuberculosis	13 Hypertensive heart disease	113 (42.8 to 195)	48.4 (6.67 to 101)	-7.97 (-40.9 to 36.4)
14 Lung cancer	14 Alzheimer's disease	207 (110 to 326)	113 (49 to 182)	14.8 (9.88 to 19.3)
15 Congenital defects	15 Breast cancer	122 (53.2 to 230)	54.6 (7.84 to 121)	15.8 (-12.6 to 50.6)
16 Diarrheal diseases	16 Stomach cancer	41.3 (14 to 71.7)	-1.71 (-16.9 to 12.5)	-32.5 (-37.6 to -26.4)
17 Stomach cancer	17 Colorectal cancer	162 (73.2 to 292)	82.2 (20.6 to 172)	20 (-10.4 to 56.5)
18 Maternal disorders	18 Drowning	6.29 (-27.4 to 52.7)	-26 (-47.4 to 5.75)	-30.4 (-50.6 to -1.6)
19 Hypertensive heart disease	19 Prostate cancer	178 (80.7 to 304)	93.3 (29.4 to 168)	4.64 (-13.3 to 25.2)
20 Asthma	20 Diarrheal diseases	3.01 (-29.4 to 48.2)	-28.3 (-49.3 to -1.21)	-42 (-64.9 to -8.66)
21 Breast cancer	24 Neonatal disorders			
26 Alzheimer's disease	26 Congenital defects			
27 Colorectal cancer	27 Tuberculosis			
30 HIV/AIDS	28 Asthma			
31 Prostate cancer	29 Maternal disorders			

### Tokelau, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-23.3 (-47.2 to 8.97)	-29.2 (-50.6 to 3.82)	<b>-49.9 (-66.9 to -22.8)</b>
2 Stroke	2 Stroke	-7.36 (-27 to 16)	-14.4 (-32.3 to 9.54)	<b>-39.8 (-54.1 to -16.6)</b>
3 Diabetes	3 Diabetes	13.9 (-18 to 52)	5.23 (-22.5 to 42.7)	-26.6 (-48 to 4.02)
4 Neonatal disorders	4 COPD	<b>48.8 (13.5 to 88.3)</b>	<b>37.4 (8.88 to 78.5)</b>	-5.72 (-31.3 to 30.3)
5 COPD	5 Chronic kidney disease	<b>72.2 (26.9 to 124)</b>	<b>59.1 (23.5 to 112)</b>	14.9 (-18 to 59.9)
6 Lower respiratory infect	6 Lung cancer	<b>85.5 (29.5 to 148)</b>	<b>71 (22.5 to 120)</b>	18.5 (-6.08 to 43.6)
7 Chronic kidney disease	7 Lower respiratory infect	16.1 (-4.18 to 39.4)	7.18 (-9.44 to 29.4)	<b>-24.7 (-37 to -8.75)</b>
8 Congenital defects	8 Alzheimer's disease	<b>70.4 (31 to 122)</b>	<b>57.1 (23.2 to 93)</b>	<b>7.8 (3.67 to 11.8)</b>
9 Alzheimer's disease	9 Neonatal disorders	<b>-45.4 (-65.4 to -19.2)</b>	<b>-49.5 (-66.9 to -22.6)</b>	<b>-41.4 (-61.1 to -15.6)</b>
10 Lung cancer	10 Hypertensive heart disease	<b>49.9 (0.606 to 108)</b>	38.6 (-3.54 to 102)	-2.42 (-35.4 to 46.6)
11 Hypertensive heart disease	11 Breast cancer	<b>59.3 (12 to 113)</b>	<b>46.8 (3.97 to 92.8)</b>	3.74 (-20.3 to 30)
12 Diarrheal diseases	12 Prostate cancer	<b>84.2 (28.9 to 151)</b>	<b>69.8 (22 to 117)</b>	12.3 (-8.42 to 32.3)
13 Road injuries	13 Colorectal cancer	<b>77.5 (19.4 to 144)</b>	<b>63.6 (13.2 to 119)</b>	13.8 (-13.4 to 43.4)
14 Breast cancer	14 Congenital defects	<b>-43.2 (-53.4 to -29.6)</b>	<b>-47.6 (-55.2 to -35.1)</b>	<b>-33.9 (-43.5 to -22.2)</b>
15 Self-harm	15 Cirrhosis liver	11.7 (-11.4 to 35.9)	3.19 (-16.3 to 26.1)	-19.3 (-33.9 to 0.523)
16 Prostate cancer	16 Road injuries	-16.8 (-49.4 to 41.2)	-23.2 (-51.5 to 27.9)	-19 (-49.4 to 43.1)
17 Cirrhosis liver	17 Atrial fibrillation	<b>84.2 (44.9 to 139)</b>	<b>69.8 (35.4 to 111)</b>	<b>16.5 (4.9 to 28.2)</b>
18 Asthma	18 Diarrheal diseases	-25.1 (-47.1 to 2.58)	<b>-30.9 (-50.2 to -6.53)</b>	<b>-50.2 (-65.2 to -25.4)</b>
19 Stomach cancer	19 Self-harm	-8.42 (-28.9 to 20.4)	-15.5 (-34.3 to 9.66)	-13.7 (-32.9 to 14.8)
20 Colorectal cancer	20 Endo/metab/blood/immune	<b>68.2 (44.1 to 95.7)</b>	<b>55.2 (35.7 to 78.4)</b>	15.4 (-0.187 to 32.2)
22 Atrial fibrillation	21 Stomach cancer			
24 Endo/metab/blood/immune	26 Asthma			

### Tonga, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	9.49 (-22.9 to 57)	-16.1 (-41.9 to 18)	<b>-36.4 (-57.1 to -6.03)</b>
2 Diabetes	2 Diabetes	<b>32.4 (0.324 to 83.9)</b>	1.51 (-23.7 to 34.1)	-23.5 (-44.6 to 3.45)
3 Stroke	3 Stroke	16.9 (-7.41 to 47.7)	-10.4 (-30.1 to 11.5)	<b>-35.2 (-50.1 to -15.8)</b>
4 Lower respiratory infect	4 COPD	<b>55 (18.8 to 104)</b>	18.8 (-6.62 to 50.3)	-16.6 (-37.9 to 10.3)
5 COPD	5 Lower respiratory infect	<b>23.8 (0.473 to 54)</b>	-5.17 (-20.5 to 13.8)	<b>-26.6 (-36.9 to -11.2)</b>
6 Lung cancer	6 Chronic kidney disease	<b>168 (95.2 to 264)</b>	<b>105 (52.9 to 178)</b>	<b>56.3 (13 to 119)</b>
7 Cirrhosis liver	7 Lung cancer	<b>73.2 (27 to 129)</b>	32.5 (-2.7 to 71.5)	-1.18 (-20.6 to 20.1)
8 Alzheimer's disease	8 Alzheimer's disease	<b>105 (48.2 to 166)</b>	<b>57.3 (15.2 to 102)</b>	<b>4.74 (0.864 to 9.07)</b>
9 Liver cancer	9 Liver cancer	<b>86.5 (34.6 to 162)</b>	<b>42.9 (5.23 to 100)</b>	18.4 (-12.2 to 65.7)
10 Breast cancer	10 Breast cancer	<b>65.7 (16.9 to 124)</b>	26.8 (-10.3 to 67.7)	2.7 (-19.1 to 29.3)
11 Chronic kidney disease	11 Prostate cancer	<b>108 (50.4 to 171)</b>	<b>59.5 (15.7 to 110)</b>	8.06 (-9.56 to 25.6)
12 Neonatal disorders	12 Cirrhosis liver	14.2 (-7.34 to 38.2)	-12.5 (-26 to 4.86)	<b>-24.1 (-35.8 to -9.07)</b>
13 Stomach cancer	13 Stomach cancer	13.7 (-8.9 to 38)	-13 (-26.7 to 1.96)	<b>-34.1 (-39.3 to -28.7)</b>
14 Prostate cancer	14 Road injuries	12.4 (-30.1 to 91)	-13.8 (-44.3 to 46.8)	-21.5 (-50 to 32.9)
15 Road injuries	15 Pancreatic cancer	<b>160 (83.7 to 256)</b>	<b>98.9 (41.5 to 159)</b>	<b>49.3 (14.1 to 88.8)</b>
16 Upper digest diseases	16 Endo/metab/blood/immune	<b>101 (64.9 to 145)</b>	<b>53.8 (34.4 to 79.2)</b>	<b>22.9 (8 to 39.1)</b>
17 Asthma	17 Colorectal cancer	<b>88 (29.7 to 158)</b>	43.8 (-1.18 to 94.5)	6.76 (-16.4 to 33.8)
18 Cervical cancer	18 Cervical cancer	<b>30.6 (2.45 to 66.3)</b>	0.0338 (-19.9 to 22.5)	-18.6 (-32.9 to 1.45)
19 Endo/metab/blood/immune	19 Hypertensive heart disease	<b>78.2 (24.3 to 153)</b>	36.7 (-3.63 to 97.3)	2.15 (-30.9 to 49.9)
20 Hypertensive heart disease	20 Neonatal disorders	-24.2 (-49.1 to 12.4)	<b>-42 (-58.7 to -16.6)</b>	-31.3 (-51.5 to 0.0261)
22 Colorectal cancer	23 Upper digest diseases			
25 Pancreatic cancer	28 Asthma			



### Tuvalu, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	27.1 (-12.7 to 76.2)	-5.05 (-32.3 to 36.5)	-25.9 (-52.5 to 13.1)
2 Stroke	2 Stroke	<b>29.4 (0.252 to 57.6)</b>	-3.42 (-21.6 to 17)	<b>-25.5 (-43.5 to -2.41)</b>
3 Diabetes	3 Diabetes	<b>35.1 (1.88 to 71.1)</b>	0.786 (-20.9 to 27.7)	-17 (-40.1 to 15.4)
4 Lower respiratory infect	4 Chronic kidney disease	<b>149 (89.5 to 216)</b>	<b>85.6 (43.9 to 143)</b>	<b>50.2 (11 to 112)</b>
5 COPD	5 COPD	<b>71 (34.6 to 109)</b>	<b>27.6 (4.29 to 51.8)</b>	-4.78 (-29.8 to 29.9)
6 Tuberculosis	6 Lower respiratory infect	<b>22.7 (1.84 to 43.8)</b>	-8.51 (-21.1 to 5.29)	<b>-25.2 (-36.7 to -10.7)</b>
7 Chronic kidney disease	7 Lung cancer	<b>93.6 (32.1 to 161)</b>	<b>44.3 (2.58 to 92.1)</b>	18 (-6.59 to 42.6)
8 Lung cancer	8 Hypertensive heart disease	<b>70.5 (22.6 to 125)</b>	27.3 (-6.98 to 73.3)	-2.87 (-34 to 51.8)
9 Hypertensive heart disease	9 Alzheimer's disease	<b>127 (59.1 to 208)</b>	<b>69.1 (18.1 to 124)</b>	<b>8.1 (2.96 to 13.1)</b>
10 Road injuries	10 Road injuries	10.5 (-34.3 to 79.7)	-17.5 (-51.7 to 38.2)	-22.6 (-54.6 to 30.7)
11 Self-harm	11 Breast cancer	<b>69.2 (11.1 to 146)</b>	26.1 (-13.3 to 74.1)	1.87 (-22.4 to 32.9)
12 Cirrhosis liver	12 Tuberculosis	<b>-41.1 (-58.4 to -19.8)</b>	<b>-56 (-68 to -38)</b>	<b>-62.8 (-73.7 to -45.1)</b>
13 Neonatal disorders	13 Self-harm	20.1 (-4.59 to 50.6)	-10.5 (-26.3 to 10.9)	-14.4 (-29.5 to 5.98)
14 Alzheimer's disease	14 Cirrhosis liver	15.1 (-8.54 to 37.2)	-14.1 (-27.9 to 3.47)	<b>-27.5 (-39 to -13.3)</b>
15 Breast cancer	15 Prostate cancer	<b>118 (37.8 to 206)</b>	<b>62.5 (8.81 to 122)</b>	16.5 (-4.34 to 42.1)
16 Stomach cancer	16 Colorectal cancer	<b>90.9 (22.1 to 178)</b>	42.2 (-7.87 to 94.9)	13.1 (-14.5 to 44.5)
17 Asthma	17 Stomach cancer	11.4 (-9.37 to 35.7)	<b>-17 (-30.9 to -4.49)</b>	<b>-32.6 (-37.9 to -27.1)</b>
18 Diarrheal diseases	18 Diarrheal diseases	16.3 (-14.7 to 52.4)	-13.2 (-35.5 to 12)	-33.2 (-57.6 to 7.85)
19 Colorectal cancer	19 Endo/metab/blood/immune	<b>96.9 (69.8 to 130)</b>	<b>46.8 (28.8 to 67.1)</b>	<b>19.8 (6.66 to 37.9)</b>
20 Drowning	20 Atrial fibrillation	<b>151 (82.4 to 228)</b>	<b>86.8 (39.8 to 141)</b>	<b>25.9 (13.6 to 39.1)</b>
21 Prostate cancer	22 Neonatal disorders			
28 Endo/metab/blood/immune	24 Asthma			
30 Atrial fibrillation	28 Drowning			

### Vanuatu, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	67 (17.7 to 132)	6.69 (-23.8 to 53)	-29.6 (-55.4 to 10.2)
2 COVID-19	2 Stroke	55.5 (25.8 to 85.9)	-0.679 (-19.3 to 22)	<b>-36.4 (-53 to -15.2)</b>
3 Stroke	3 Diabetes	96.3 (53.1 to 148)	25.4 (-3.89 to 59.9)	-14.8 (-42 to 21.5)
4 Diabetes	4 COPD	98.1 (61.8 to 147)	<b>26.5 (3.23 to 60)</b>	-25.3 (-45.1 to 1.82)
5 Lower respiratory infect	5 Chronic kidney disease	207 (132 to 295)	<b>95.8 (51.5 to 154)</b>	34.5 (-8 to 89.2)
6 COPD	6 Lower respiratory infect	15.8 (0.702 to 32.1)	<b>-26.1 (-35.1 to -17.5)</b>	<b>-38.3 (-47.8 to -24.4)</b>
7 Neonatal disorders	7 HIV/AIDS	735 (356 to 1220)	<b>433 (188 to 754)</b>	<b>409 (172 to 714)</b>
8 Road injuries	8 Hypertensive heart disease	137 (70.7 to 210)	<b>51.2 (12.2 to 104)</b>	-6.49 (-40.3 to 43.3)
9 Chronic kidney disease	9 Road injuries	26.6 (-25.7 to 112)	-19.1 (-52.1 to 46.3)	-27.7 (-57.3 to 30.8)
10 Cirrhosis liver	10 Self-harm	<b>42.5 (12.4 to 80.2)</b>	-9.02 (-27.3 to 15.5)	-17.6 (-33.7 to 3.85)
11 Self-harm	11 Cirrhosis liver	27 (5.14 to 52.5)	<b>-18.9 (-33.1 to -0.23)</b>	<b>-37.4 (-48.7 to -21.5)</b>
12 Hypertensive heart disease	12 Lung cancer	122 (56.1 to 205)	<b>41.4 (1.42 to 91.7)</b>	-7.9 (-28.4 to 13.5)
13 Diarrheal diseases	13 Alzheimer's disease	262 (167 to 379)	<b>130 (70.4 to 204)</b>	<b>6.55 (2.9 to 10.4)</b>
14 Tuberculosis	14 Diarrheal diseases	58.2 (10.8 to 106)	0.979 (-27.3 to 34)	-26.5 (-54 to 16.3)
15 Asthma	15 Breast cancer	139 (62.4 to 233)	<b>52.6 (7.87 to 108)</b>	10.1 (-18.1 to 39.5)
16 Lung cancer	16 Colorectal cancer	162 (71.2 to 270)	<b>66.9 (11.2 to 132)</b>	9.83 (-18 to 41)
17 Drowning	17 Neonatal disorders	<b>-42 (-64.2 to -9.59)</b>	<b>-63 (-77.1 to -44.5)</b>	<b>-48.1 (-66.8 to -21.8)</b>
18 Rheumatic heart disease	18 Stomach cancer	48 (23.9 to 73.7)	-5.63 (-18.6 to 7.8)	<b>-35.8 (-41.4 to -30.6)</b>
19 Stomach cancer	19 Prostate cancer	190 (98.1 to 307)	<b>85 (31.2 to 156)</b>	-1.41 (-15.3 to 16.1)
20 Congenital defects	20 Asthma	-3.43 (-19.9 to 20.4)	<b>-38.4 (-49.4 to -23.5)</b>	<b>-59 (-66.8 to -47.2)</b>
22 Breast cancer	21 Drowning			
23 Alzheimer's disease	25 Tuberculosis			
24 Colorectal cancer	27 Rheumatic heart disease			
26 Prostate cancer	28 Congenital defects			
27 HIV/AIDS	130 COVID-19			

### Cambodia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	49.6 (15.4 to 92.4)	19.2 (-2.31 to 43.5)	-39.9 (-53.7 to -23.8)
2 Lower respiratory infect	2 Lower respiratory infect	28.7 (2.21 to 62.6)	2.49 (-14.8 to 21.1)	-41.3 (-49.8 to -30.7)
3 Ischemic heart disease	3 Ischemic heart disease	37.9 (-6.42 to 94.2)	9.98 (-21.6 to 48.2)	-42.7 (-62.1 to -13.3)
4 Cirrhosis liver	4 Cirrhosis liver	87.8 (51.4 to 126)	49.7 (26 to 76.1)	-5.72 (-19.2 to 11.1)
5 Tuberculosis	5 Chronic kidney disease	188 (115 to 283)	129 (79.6 to 190)	33.8 (-0.0973 to 81.4)
6 COPD	6 COPD	92.8 (44 to 151)	53.6 (20.6 to 89.7)	-27.5 (-45.6 to -5.5)
7 Neonatal disorders	7 Hypertensive heart disease	134 (61.9 to 228)	86.7 (36.8 to 147)	-7.89 (-36.4 to 33.5)
8 Diabetes	8 Diabetes	80.2 (32 to 137)	43.6 (9.22 to 78.3)	-19.9 (-40.7 to 3.85)
9 Hypertensive heart disease	9 Lung cancer	126 (60 to 203)	79.6 (34.5 to 131)	0.888 (-19.5 to 23.2)
10 Lung cancer	10 Alzheimer's disease	251 (152 to 364)	179 (114 to 263)	8.86 (4.72 to 12.8)
11 Road injuries	11 Falls	113 (62 to 181)	69.7 (37.7 to 108)	-6.18 (-16.1 to 4.76)
12 Chronic kidney disease	12 Colorectal cancer	180 (89.7 to 290)	123 (55.4 to 204)	25.5 (-4.75 to 57.4)
13 Upper digest diseases	13 Tuberculosis	-36.4 (-55.7 to -10.1)	-49.3 (-63.1 to -28.9)	-68.9 (-79.3 to -53.5)
14 Falls	14 Breast cancer	132 (59.5 to 206)	84.4 (36.6 to 132)	15 (-10.8 to 43.1)
15 Congenital defects	15 Road injuries	13.6 (-21 to 59.2)	-9.4 (-36 to 32.1)	-24 (-47.6 to 12.9)
16 Colorectal cancer	16 Upper digest diseases	18.6 (-7.14 to 54.1)	-5.48 (-23.3 to 17)	-49.1 (-59.6 to -35.3)
17 Alzheimer's disease	17 Liver cancer	167 (93.7 to 259)	113 (62.6 to 183)	22.2 (-9.32 to 67)
18 Breast cancer	18 Stomach cancer	49.1 (22.6 to 84.7)	18.8 (2.64 to 37.7)	-32.5 (-37.5 to -26.3)
19 Stomach cancer	19 Pancreatic cancer	299 (171 to 453)	218 (128 to 327)	79.2 (36.6 to 129)
20 Asthma	20 Ileus & obstruction	78.6 (34.9 to 129)	42.3 (10.1 to 75.8)	-13.3 (-29.4 to 8.09)
24 Ileus & obstruction	25 Neonatal disorders			
25 Liver cancer	28 Congenital defects			
38 Pancreatic cancer	30 Asthma			

### Indonesia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	43 (19.2 to 72.4)	28 (6.95 to 55.3)	-49.7 (-58.9 to -38)
2 Ischemic heart disease	2 Ischemic heart disease	21.6 (-12.4 to 55.4)	8.93 (-20.7 to 44.1)	-54.4 (-68.4 to -34.9)
3 Cirrhosis liver	3 COPD	167 (114 to 233)	139 (93.9 to 199)	-14 (-32.6 to 10.8)
4 COPD	4 Hypertensive heart disease	178 (102 to 264)	149 (82.1 to 232)	-6.01 (-35.4 to 33.3)
5 Tuberculosis	5 Cirrhosis liver	61.5 (36.8 to 84.7)	44.5 (28.5 to 63.4)	-27.4 (-35.3 to -17.5)
6 COVID-19	6 Chronic kidney disease	163 (105 to 225)	136 (88.3 to 200)	18.1 (-10 to 56.6)
7 Diabetes	7 Lung cancer	141 (78.5 to 216)	115 (63.9 to 171)	0.671 (-18.1 to 20.5)
8 Hypertensive heart disease	8 Diabetes	85.3 (45.8 to 130)	65.9 (34.8 to 107)	-25.8 (-42.7 to -4.99)
9 Lung cancer	9 Alzheimer's disease	349 (248 to 493)	301 (219 to 415)	2.9 (-1.75 to 7.7)
10 Chronic kidney disease	10 Diarrheal diseases	109 (41.6 to 205)	87.5 (25.7 to 175)	-30.6 (-53.5 to 5.22)
11 Diarrheal diseases	11 Lower respiratory infect	118 (85.4 to 162)	95 (69.4 to 127)	-24.6 (-34.4 to -13.7)
12 Lower respiratory infect	12 Tuberculosis	-9.28 (-34.4 to 17.4)	-18.7 (-39.4 to 6.45)	-60.6 (-72.2 to -44.3)
13 Road injuries	13 Colorectal cancer	151 (74.5 to 241)	124 (61.5 to 200)	2.72 (-20.9 to 27.9)
14 Neonatal disorders	14 Protein-energy malnutrition	196 (93.4 to 340)	165 (78.7 to 290)	-18.7 (-53.3 to 43.9)
15 Colorectal cancer	15 Breast cancer	94.4 (42.1 to 160)	73.6 (29 to 127)	1.3 (-20.5 to 24.3)
16 Asthma	16 Falls	140 (86.2 to 206)	115 (69.8 to 160)	-12.7 (-20.6 to -2.28)
17 Breast cancer	17 Road injuries	3.75 (-23.8 to 43.9)	-7.06 (-32.4 to 28.3)	-23.1 (-46.3 to 5.68)
18 Alzheimer's disease	18 Ileus & obstruction	165 (118 to 238)	138 (95.5 to 204)	-3.43 (-21.7 to 18.4)
19 Falls	19 Atrial fibrillation	404 (288 to 591)	350 (246 to 477)	12.9 (0.84 to 24)
20 Protein-energy malnutrition	20 Prostate cancer	265 (168 to 380)	226 (145 to 317)	10.7 (-6.59 to 28.6)
22 Ileus & obstruction	25 Asthma			
27 Prostate cancer	31 Neonatal disorders			
34 Atrial fibrillation	133 COVID-19			

### Laos, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	45.1 (15.4 to 84.8)	13.6 (-9.89 to 37.7)	-49.3 (-61.5 to -34.7)
2 Ischemic heart disease	2 Ischemic heart disease	38.5 (-2.65 to 90.6)	8.45 (-23.7 to 46.5)	-51.2 (-67.4 to -27)
3 COVID-19	3 Chronic kidney disease	207 (134 to 306)	141 (79.7 to 209)	20 (-11 to 59.2)
4 Lower respiratory infect	4 COPD	137 (88.8 to 193)	85.8 (45.3 to 126)	-24.9 (-43.5 to -4.6)
5 Neonatal disorders	5 Lower respiratory infect	24.6 (0.822 to 61.8)	-2.49 (-19.4 to 23)	-43.6 (-51.7 to -33.8)
6 COPD	6 Hypertensive heart disease	167 (86.9 to 273)	109 (47.2 to 184)	-12 (-41.8 to 29.4)
7 Chronic kidney disease	7 Lung cancer	180 (100 to 264)	119 (62.6 to 182)	3.32 (-17.9 to 25.1)
8 Tuberculosis	8 Diabetes	70.1 (24.1 to 120)	33.3 (-2.4 to 73)	-36.9 (-54.8 to -15.5)
9 Diabetes	9 Cirrhosis liver	73.9 (46 to 109)	36.2 (14.1 to 61)	-23.6 (-35 to -9.7)
10 Cirrhosis liver	10 Alzheimer's disease	314 (199 to 429)	224 (148 to 300)	8.12 (4.66 to 11.9)
11 Hypertensive heart disease	11 Colorectal cancer	221 (118 to 339)	151 (76.1 to 240)	21 (-7.98 to 55.8)
12 Congenital defects	12 Breast cancer	162 (86.9 to 240)	105 (51.1 to 159)	15.2 (-11.5 to 45.2)
13 Road injuries	13 Road injuries	11 (-27 to 67.6)	-13.1 (-42 to 28.9)	-27.4 (-51.9 to 11.2)
14 Lung cancer	14 Tuberculosis	-31.4 (-53.1 to -1.91)	-46.2 (-63.3 to -25.4)	-70 (-79.7 to -56)
15 Diarrheal diseases	15 Falls	119 (76.7 to 170)	71.4 (40.8 to 102)	-8.34 (-16.5 to 0.0707)
16 Asthma	16 Liver cancer	175 (97.7 to 270)	116 (52.8 to 184)	10.2 (-24.6 to 50.5)
17 Upper digest diseases	17 Upper digest diseases	41.7 (9.36 to 81.9)	10.9 (-13.8 to 37.5)	-48.8 (-60.1 to -35.2)
18 Colorectal cancer	18 Neonatal disorders	-74 (-82.6 to -61.4)	-79.7 (-85.9 to -70.6)	-61.4 (-72.8 to -46.6)
19 Interpersonal violence	19 Pancreatic cancer	386 (237 to 552)	280 (166 to 398)	82 (41.3 to 133)
20 Alzheimer's disease	20 Stomach cancer	77.9 (46.8 to 112)	39.2 (19 to 60.4)	-32.2 (-37 to -26.7)
21 Breast cancer	21 Asthma			
22 Falls	27 Congenital defects			
25 Stomach cancer	28 Diarrheal diseases			
26 Liver cancer	29 Interpersonal violence			
42 Pancreatic cancer	133 COVID-19			

### Malaysia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Lower respiratory infect	114 (82.3 to 145)	75.9 (55.4 to 97.5)	-21.8 (-34 to -8.48)
2 Stroke	2 Ischemic heart disease	3.38 (-25.9 to 41.7)	-14.9 (-38 to 15.3)	-59.3 (-71.6 to -41.2)
3 Lower respiratory infect	3 Stroke	33 (8.47 to 64.5)	9.55 (-10.9 to 33.3)	-49 (-59.7 to -35.1)
4 COVID-19	4 Chronic kidney disease	168 (105 to 246)	120 (71.6 to 179)	9.12 (-16.5 to 43.1)
5 Chronic kidney disease	5 Alzheimer's disease	270 (200 to 356)	205 (153 to 255)	5.15 (1.37 to 9.03)
6 Road injuries	6 COPD	130 (83.7 to 195)	89.2 (49.2 to 134)	-17.4 (-36.9 to 8.84)
7 COPD	7 Colorectal cancer	160 (86 to 256)	114 (56.6 to 183)	7.49 (-16 to 34.2)
8 Diabetes	8 Lung cancer	147 (87.5 to 219)	103 (58.1 to 159)	6.35 (-13.1 to 29.9)
9 Lung cancer	9 Road injuries	24.9 (-10.8 to 80.5)	2.86 (-26.3 to 47.6)	-18.6 (-42 to 20.3)
10 Cirrhosis liver	10 Cirrhosis liver	81.5 (53.2 to 119)	49.5 (26.1 to 74.2)	-15.1 (-27.7 to 0.483)
11 Colorectal cancer	11 Breast cancer	115 (61.7 to 181)	77.1 (34.8 to 123)	3.55 (-18.8 to 27.9)
12 Alzheimer's disease	12 Diabetes	51.5 (18.2 to 94.3)	24.8 (-1.15 to 54.3)	-37.3 (-51.8 to -18.4)
13 Breast cancer	13 Urinary diseases	202 (147 to 256)	148 (112 to 188)	10.3 (-0.956 to 25.7)
14 Urinary diseases	14 Liver cancer	161 (97.8 to 256)	115 (61.8 to 190)	17.8 (-14.1 to 63.2)
15 Tuberculosis	15 Atrial fibrillation	316 (244 to 405)	243 (191 to 313)	15.1 (3.51 to 28.2)
16 HIV/AIDS	16 Hypertensive heart disease	152 (87 to 247)	107 (50.9 to 190)	-3.8 (-31.4 to 41.3)
17 Stomach cancer	17 Prostate cancer	195 (128 to 275)	143 (93.8 to 203)	5.96 (-9.63 to 20.6)
18 Self-harm	18 Falls	117 (79.9 to 157)	78.7 (55.6 to 105)	-10.6 (-18 to -2.38)
19 Liver cancer	19 Decubitus ulcer	167 (61.2 to 303)	119 (29.6 to 220)	-9.2 (-38.8 to 23.3)
20 Falls	20 Parkinson's disease	210 (161 to 260)	155 (126 to 183)	3.87 (-5.7 to 14)
21 Hypertensive heart disease	26 Stomach cancer			
25 Decubitus ulcer	32 Self-harm			
27 Prostate cancer	38 HIV/AIDS			
31 Parkinson's disease	39 Tuberculosis			
37 Atrial fibrillation	131 COVID-19			

### Maldives, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Stroke	170 (113 to 235)	79.7 (41.7 to 125)	-48.3 (-60.8 to -30.2)
2 Stroke	2 Ischemic heart disease	147 (70.5 to 252)	64.9 (12.7 to 135)	-51 (-68 to -24.5)
3 COPD	3 Chronic kidney disease	408 (275 to 543)	238 (153 to 332)	6.96 (-20.1 to 45.4)
4 Chronic kidney disease	4 COPD	390 (274 to 502)	226 (149 to 311)	-14.7 (-39.1 to 15.4)
5 COVID-19	5 Alzheimer's disease	474 (360 to 597)	282 (210 to 347)	-5.81 (-9.23 to -2.26)
6 Diabetes	6 Diabetes	230 (149 to 320)	120 (66.9 to 180)	-33.7 (-50.5 to -11.4)
7 Lower respiratory infect	7 Lower respiratory infect	224 (169 to 276)	116 (85.7 to 143)	-35.7 (-45.3 to -22.4)
8 Alzheimer's disease	8 Lung cancer	437 (284 to 620)	256 (163 to 361)	4.48 (-16.8 to 31.6)
9 Neonatal disorders	9 Hypertensive heart disease	332 (198 to 504)	188 (98.2 to 304)	-20 (-46.4 to 22.7)
10 Cirrhosis liver	10 Liver cancer	457 (319 to 656)	271 (169 to 407)	13.2 (-19.4 to 58)
11 Hypertensive heart disease	11 Endo/metab/blood/immune	332 (205 to 426)	187 (103 to 241)	7.79 (-5.56 to 26.4)
12 Lung cancer	12 Cirrhosis liver	126 (76.4 to 179)	50.7 (22.4 to 82.9)	-38.5 (-48.5 to -25.4)
13 Tuberculosis	13 Colorectal cancer	398 (234 to 610)	231 (121 to 361)	2.37 (-24.9 to 33.7)
14 Endo/metab/blood/immune	14 Atrial fibrillation	560 (409 to 718)	339 (251 to 425)	9.5 (-3.18 to 21.9)
15 Falls	15 Prostate cancer	570 (387 to 760)	345 (241 to 447)	13.3 (-7.25 to 32.5)
16 Congenital defects	16 Urinary diseases	510 (383 to 630)	306 (227 to 377)	18.4 (-6.21 to 54)
17 Drowning	17 Parkinson's disease	439 (358 to 532)	259 (217 to 313)	-8.59 (-18.3 to 1.66)
18 Liver cancer	18 Falls	202 (94.2 to 276)	101 (31.4 to 147)	-21.6 (-31.5 to -14)
19 Breast cancer	19 Interstitial lung disease	349 (259 to 444)	199 (140 to 253)	-5.66 (-15.7 to 6.14)
20 Road injuries	20 Pancreatic cancer	644 (410 to 903)	394 (239 to 542)	50.1 (9.39 to 89.7)
21 Colorectal cancer	21 Breast cancer			
25 Interstitial lung disease	28 Tuberculosis			
26 Parkinson's disease	35 Neonatal disorders			
27 Atrial fibrillation	38 Road injuries			
28 Urinary diseases	43 Drowning			
31 Prostate cancer	48 Congenital defects			
39 Pancreatic cancer	129 COVID-19			

### Mauritius, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Diabetes	1 Chronic kidney disease	<b>80.6 (42.8 to 132)</b>	<b>110 (70.1 to 151)</b>	1.87 (-20.4 to 28.6)
2 Ischemic heart disease	2 Diabetes	15.8 (-6.11 to 44.2)	<b>34.6 (8.8 to 60)</b>	<b>-34.5 (-47.8 to -18.2)</b>
3 Chronic kidney disease	3 Ischemic heart disease	-9.8 (-31.4 to 19.3)	4.93 (-20.9 to 36)	<b>-58.5 (-71.3 to -40.8)</b>
4 Stroke	4 Stroke	-13.1 (-27.6 to 4.72)	1.06 (-15.1 to 19.6)	<b>-55.7 (-63 to -46.2)</b>
5 Hypertensive heart disease	5 Alzheimer's disease	<b>204 (139 to 265)</b>	<b>253 (194 to 308)</b>	<b>-4.43 (-7.6 to -0.998)</b>
6 Lower respiratory infect	6 Hypertensive heart disease	<b>90.2 (42.2 to 165)</b>	<b>121 (64.2 to 205)</b>	-14.7 (-39.5 to 25.7)
7 Alzheimer's disease	7 Lower respiratory infect	<b>91.7 (62.5 to 125)</b>	<b>123 (95.7 to 150)</b>	<b>-19.1 (-28.7 to -7.75)</b>
8 COPD	8 COPD	<b>130 (90.7 to 183)</b>	<b>168 (124 to 216)</b>	-9.6 (-27.9 to 15.1)
9 Colorectal cancer	9 Colorectal cancer	<b>71.9 (24.5 to 128)</b>	<b>99.5 (50.4 to 155)</b>	-1.54 (-22 to 22.5)
10 Breast cancer	10 Interstitial lung disease	<b>104 (69.3 to 144)</b>	<b>137 (108 to 166)</b>	-4.72 (-11.9 to 4.33)
11 Cirrhosis liver	11 Lung cancer	<b>68.7 (30.6 to 114)</b>	<b>96 (53.1 to 142)</b>	2.85 (-14.6 to 21.2)
12 Road injuries	12 Breast cancer	<b>35.4 (4.19 to 72)</b>	<b>57.2 (28.2 to 96.5)</b>	-7.26 (-23.6 to 12.3)
13 Lung cancer	13 Prostate cancer	<b>121 (73.2 to 181)</b>	<b>157 (109 to 213)</b>	2.12 (-9.73 to 16.7)
14 Stomach cancer	14 Atrial fibrillation	<b>215 (159 to 278)</b>	<b>266 (213 to 332)</b>	-3.07 (-12.2 to 6.31)
15 Interstitial lung disease	15 Pancreatic cancer	<b>123 (62.8 to 189)</b>	<b>159 (96 to 229)</b>	<b>38.1 (8.3 to 68.7)</b>
16 Self-harm	16 Cirrhosis liver	-6.7 (-20.3 to 11)	8.49 (-4.73 to 21)	<b>-26.7 (-36.4 to -17)</b>
17 Prostate cancer	17 Stomach cancer	2.57 (-14.3 to 20.3)	<b>19.2 (5.74 to 31.4)</b>	<b>-38.9 (-43.3 to -34.5)</b>
18 Asthma	18 Urinary diseases	<b>169 (120 to 222)</b>	<b>213 (169 to 260)</b>	<b>20.3 (2.08 to 43)</b>
19 COVID-19	19 Parkinson's disease	<b>128 (88.4 to 168)</b>	<b>165 (135 to 200)</b>	-8.56 (-15.7 to 0.656)
20 Pancreatic cancer	20 Road injuries	<b>-23.8 (-44.5 to 3.64)</b>	<b>-11.3 (-32.4 to 18.8)</b>	<b>-19.1 (-40.5 to 8.91)</b>
23 Atrial fibrillation	22 Self-harm			
25 Parkinson's disease	25 Asthma			
28 Urinary diseases	132 COVID-19			



### Myanmar, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	25.2 (-3.01 to 60.1)	11.8 (-10.3 to 35.3)	-43.3 (-57.2 to -27)
2 Ischemic heart disease	2 COPD	74.4 (28.4 to 123)	55.7 (17.6 to 91.2)	-30 (-48.9 to -6)
3 COPD	3 Ischemic heart disease	22.6 (-16.3 to 69.4)	9.45 (-20.9 to 46.5)	-45.9 (-64.8 to -18.7)
4 Diabetes	4 Diabetes	38.2 (1.72 to 82.1)	23.3 (-5.76 to 53.2)	-34.3 (-51.7 to -13.4)
5 Lower respiratory infect	5 Chronic kidney disease	156 (87.9 to 234)	129 (73.6 to 189)	27.6 (-8.63 to 71.7)
6 Tuberculosis	6 Hypertensive heart disease	122 (55.7 to 209)	98.6 (39 to 167)	-2.77 (-35.1 to 40.2)
7 Neonatal disorders	7 Lower respiratory infect	12.3 (-9.6 to 37.6)	0.24 (-15.2 to 17)	-41.7 (-49.9 to -32)
8 Cirrhosis liver	8 Cirrhosis liver	80.1 (45.6 to 120)	60.9 (34.7 to 85.8)	20.2 (0.658 to 40.5)
9 Hypertensive heart disease	9 Alzheimer's disease	206 (115 to 309)	173 (101 to 260)	3.73 (-0.489 to 8.09)
10 Chronic kidney disease	10 Lung cancer	74.8 (23.9 to 132)	56 (15.2 to 108)	-12.9 (-28 to 8.18)
11 Asthma	11 Colorectal cancer	120 (47.5 to 207)	96 (34.4 to 170)	8.53 (-19.3 to 35.9)
12 Lung cancer	12 Falls	90.1 (49.6 to 140)	69.6 (36.5 to 107)	-6.88 (-15.1 to 1.64)
13 Congenital defects	13 Tuberculosis	-35.1 (-54.6 to -9.66)	-42 (-58.3 to -20.3)	-64.9 (-76.2 to -48.2)
14 Road injuries	14 Breast cancer	75.6 (29.7 to 136)	56.8 (14.5 to 105)	2.95 (-19.7 to 29.9)
15 Alzheimer's disease	15 Asthma	-14.1 (-32.3 to 9.5)	-23.3 (-36.6 to -9.67)	-61.6 (-68.5 to -53)
16 Falls	16 Road injuries	7.1 (-25 to 52.2)	-4.36 (-32.4 to 39.6)	-16.1 (-40.9 to 24.1)
17 Alcohol use disorders	17 Alcohol use disorders	30.1 (-3.26 to 65.6)	16.2 (-12.8 to 45.1)	-4.45 (-27.4 to 20.6)
18 Colorectal cancer	18 Atrial fibrillation	276 (164 to 410)	235 (142 to 334)	26.8 (14.6 to 40.4)
19 Breast cancer	19 Neonatal disorders	-60.5 (-72.5 to -42)	-64.8 (-75.5 to -49.3)	-43.9 (-61 to -20)
20 Diarrheal diseases	20 Urinary diseases	175 (114 to 240)	145 (99.4 to 199)	26.4 (1.59 to 52)
31 Urinary diseases	21 Diarrheal diseases			
37 Atrial fibrillation	29 Congenital defects			

### Philippines, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	35.6 (-1.42 to 78.4)	2.59 (-25 to 31.3)	-50 (-63.5 to -31.4)
2 Stroke	2 Lower respiratory infect	107 (72.4 to 145)	56.7 (36.4 to 79.1)	-28.4 (-37.3 to -18.2)
3 Lower respiratory infect	3 Stroke	43 (20.5 to 70.7)	8.13 (-6.68 to 23.5)	-46.4 (-54.5 to -37)
4 Chronic kidney disease	4 Chronic kidney disease	195 (135 to 268)	123 (80.7 to 170)	21.1 (-3.73 to 55.6)
5 Diabetes	5 Hypertensive heart disease	202 (127 to 297)	128 (69.8 to 191)	7.56 (-22.8 to 46.6)
6 Tuberculosis	6 Diabetes	76.7 (41.4 to 111)	33.7 (8.76 to 60.2)	-30 (-44.2 to -13.5)
7 Hypertensive heart disease	7 COPD	119 (72.5 to 170)	65.8 (32.5 to 95.6)	-25.9 (-40.3 to -7.93)
8 COPD	8 Alzheimer's disease	286 (209 to 367)	192 (142 to 243)	-0.459 (-5.03 to 4.15)
9 Neonatal disorders	9 Lung cancer	113 (67.3 to 166)	61 (29.6 to 92.4)	-12.3 (-26.4 to 1.96)
10 Interpersonal violence	10 Colorectal cancer	157 (92.4 to 231)	94.2 (46.6 to 144)	6.2 (-14.6 to 28)
11 Cirrhosis liver	11 Cirrhosis liver	77 (51.3 to 107)	33.9 (18.9 to 48.5)	-16.7 (-25.1 to -6.87)
12 COVID-19	12 Breast cancer	123 (67.3 to 183)	68.5 (34.9 to 109)	2.96 (-16.1 to 25.8)
13 Lung cancer	13 Tuberculosis	-16.9 (-38.3 to 11.7)	-37.1 (-54.3 to -17.4)	-62.5 (-73.4 to -47.9)
14 Road injuries	14 Urinary diseases	238 (179 to 312)	156 (123 to 201)	29.5 (13 to 48.1)
15 Breast cancer	15 Road injuries	24.5 (-7.52 to 70.6)	-5.75 (-30 to 29)	-18.2 (-40.6 to 13.4)
16 Alzheimer's disease	16 Prostate cancer	248 (164 to 343)	163 (106 to 226)	14.6 (-2.98 to 33.6)
17 Colorectal cancer	17 Liver cancer	167 (111 to 228)	102 (62.8 to 145)	17.7 (-5.82 to 47)
18 Asthma	18 Interpersonal violence	-6.5 (-37.3 to 45.4)	-29.4 (-51.4 to 6.35)	-36.9 (-56.7 to -6.23)
19 Congenital defects	19 Atrial fibrillation	354 (262 to 452)	243 (182 to 305)	16.4 (5.48 to 30)
20 Upper digest diseases	20 Neonatal disorders	-44.6 (-58.5 to -27.8)	-58.1 (-67.3 to -46.4)	-38.7 (-51.9 to -21.9)
22 Liver cancer	23 Upper digest diseases			
24 Urinary diseases	24 Asthma			
26 Prostate cancer	37 Congenital defects			
37 Atrial fibrillation	133 COVID-19			

### Seychelles, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Lower respiratory infect	117 (82.4 to 151)	65.9 (45.3 to 86.3)	-16.9 (-27.8 to -4.52)
2 Stroke	2 Hypertensive heart disease	182 (100 to 285)	115 (58.9 to 190)	10.1 (-21.8 to 56.4)
3 Lower respiratory infect	3 Chronic kidney disease	157 (99 to 228)	96.3 (58.3 to 142)	12 (-12.9 to 47.5)
4 COVID-19	4 Stroke	29 (3.47 to 58.6)	-1.49 (-17.2 to 18.2)	-47.6 (-57.8 to -34.8)
5 Hypertensive heart disease	5 Ischemic heart disease	13.3 (-21.6 to 60.8)	-13.5 (-36.9 to 19.5)	-53.4 (-67.9 to -31.9)
6 Chronic kidney disease	6 Prostate cancer	209 (134 to 298)	136 (83 to 189)	13.9 (-4.62 to 30.7)
7 Cirrhosis liver	7 COPD	162 (98.6 to 224)	99.9 (59.4 to 141)	-3.36 (-24.9 to 23)
8 Diabetes	8 Alzheimer's disease	229 (165 to 307)	151 (110 to 192)	3.67 (0.091 to 7.31)
9 COPD	9 Colorectal cancer	143 (75.8 to 234)	85.5 (37.8 to 141)	8.12 (-15.1 to 34.7)
10 Colorectal cancer	10 Diabetes	70.1 (30.4 to 109)	29.9 (6.72 to 59.3)	-27.3 (-43.1 to -7.88)
11 Prostate cancer	11 Cirrhosis liver	44.5 (19.6 to 67.1)	10.3 (-2.99 to 23.5)	-17.1 (-26.4 to -5.07)
12 Alzheimer's disease	12 Lung cancer	130 (74 to 204)	75.4 (36.2 to 125)	4.96 (-14.7 to 26.8)
13 Lung cancer	13 Urinary diseases	229 (167 to 289)	151 (114 to 193)	28.8 (8.06 to 59.5)
14 Breast cancer	14 Breast cancer	91.8 (48 to 156)	46.4 (14.4 to 83.7)	2.2 (-17.2 to 25.6)
15 Road injuries	15 Pancreatic cancer	222 (138 to 326)	145 (84.5 to 216)	50.5 (19.8 to 85.3)
16 Urinary diseases	16 Parkinson's disease	209 (157 to 265)	136 (108 to 164)	2.97 (-6.66 to 13.1)
17 Neonatal disorders	17 Atrial fibrillation	275 (190 to 373)	186 (133 to 232)	15 (1.64 to 26.8)
18 Drowning	18 Lip oral cavity cancer	121 (81.8 to 166)	68.8 (43.5 to 90.6)	8.25 (-4.47 to 21.3)
19 Cervical cancer	19 Cardiomyopathy	110 (71.1 to 153)	59.9 (38.1 to 88.7)	-13.3 (-20.1 to -5.69)
20 Lip oral cavity cancer	20 Road injuries	17.4 (-20.9 to 69.8)	-10.4 (-38.2 to 26.4)	-19.5 (-45.6 to 16.6)
21 Cardiomyopathy	24 Cervical cancer			
23 Pancreatic cancer	33 Drowning			
27 Parkinson's disease	40 Neonatal disorders			
36 Atrial fibrillation	130 COVID-19			

### Sri Lanka, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	45.3 (8.74 to 95.4)	56.9 (22.2 to 106)	-48.5 (-58.3 to -36.2)
2 Ischemic heart disease	2 COPD	167 (92 to 269)	188 (115 to 289)	-4.12 (-26.1 to 25.8)
3 Diabetes	3 Ischemic heart disease	16.7 (-20.7 to 72.8)	26.2 (-14 to 78.3)	-50.4 (-66.8 to -27.2)
4 COPD	4 Diabetes	65.1 (19.5 to 124)	78.5 (32.2 to 134)	-27.1 (-44.5 to 0.427)
5 Chronic kidney disease	5 Chronic kidney disease	173 (98.7 to 278)	195 (119 to 295)	21.9 (-8.1 to 66.5)
6 Lower respiratory infect	6 Alzheimer's disease	278 (151 to 441)	307 (187 to 475)	4.95 (1.52 to 8.81)
7 Hypertensive heart disease	7 Hypertensive heart disease	146 (65.2 to 241)	166 (83 to 264)	4.75 (-26.5 to 53.4)
8 Alzheimer's disease	8 Lower respiratory infect	75.6 (33.8 to 138)	89.6 (49 to 141)	-28.8 (-37.1 to -15.5)
9 Self-harm	9 Urinary diseases	156 (89.3 to 265)	177 (113 to 281)	8.19 (-6 to 26.5)
10 Cirrhosis liver	10 Cirrhosis liver	35.2 (10.5 to 70.2)	46.1 (20.7 to 75.6)	-16.4 (-27.3 to -2.94)
11 Road injuries	11 Self-harm	4.32 (-15.6 to 31)	12.7 (-4.17 to 32.5)	-15 (-28 to -0.0403)
12 Lung cancer	12 Atrial fibrillation	353 (207 to 567)	388 (242 to 586)	14.8 (4.8 to 26.9)
13 Urinary diseases	13 Lung cancer	65.9 (17.9 to 126)	78.8 (32.6 to 132)	-5.62 (-23.7 to 14.3)
14 COVID-19	14 Falls	98.7 (49.4 to 169)	114 (65.8 to 176)	-10.2 (-18.2 to -1.74)
15 Asthma	15 Breast cancer	64.7 (19.5 to 129)	77.5 (29.2 to 135)	-4.22 (-24.6 to 14.8)
16 Nature disaster	16 Parkinson's disease	185 (118 to 272)	208 (146 to 288)	2.81 (-7.4 to 13.5)
17 Breast cancer	17 Lip oral cavity cancer	126 (79.8 to 187)	143 (99.2 to 205)	18.5 (5.28 to 31.8)
18 Falls	18 Road injuries	-3.5 (-29.3 to 33)	4.41 (-25.6 to 45.6)	-16.2 (-41.4 to 22.4)
19 Conflict & terror	19 Colorectal cancer	103 (33.3 to 188)	118 (47.6 to 194)	1.2 (-21.5 to 26.2)
20 Colorectal cancer	20 Asthma	4.89 (-23.9 to 47)	13.3 (-13.1 to 53.7)	-59.1 (-65.2 to -49.9)
21 Lip oral cavity cancer	22 Nature disaster			
23 Parkinson's disease	24 Conflict & terror			
28 Atrial fibrillation	131 COVID-19			

### Thailand, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	15.1 (-13.1 to 50.3)	33.7 (4.1 to 69.4)	-49 (-59.8 to -36.8)
2 Ischemic heart disease	2 Chronic kidney disease	134 (70 to 223)	172 (106 to 260)	2.3 (-22.3 to 32.2)
3 Lower respiratory infect	3 Alzheimer's disease	223 (145 to 327)	276 (204 to 356)	-7.67 (-11 to -4.23)
4 Chronic kidney disease	4 Lower respiratory infect	84.2 (44.4 to 133)	114 (79.5 to 157)	-33.1 (-41.6 to -22.3)
5 Lung cancer	5 Ischemic heart disease	2.85 (-33.4 to 47.5)	19.6 (-17.9 to 63.3)	-58 (-71.2 to -41.8)
6 Diabetes	6 COPD	121 (63.4 to 195)	157 (98.4 to 230)	-19.7 (-35.8 to 1.69)
7 Alzheimer's disease	7 Lung cancer	67.3 (21.9 to 129)	94.3 (53.7 to 143)	-12.1 (-27.1 to 3.38)
8 COPD	8 Urinary diseases	253 (164 to 375)	310 (220 to 433)	21.8 (3.44 to 49.7)
9 Road injuries	9 Diabetes	32.1 (-3.86 to 76.9)	53.5 (16.2 to 104)	-36.1 (-49.1 to -17)
10 Cirrhosis liver	10 Colorectal cancer	84.6 (28.3 to 155)	114 (58.1 to 178)	-3.34 (-24.5 to 22.6)
11 Colorectal cancer	11 Cirrhosis liver	25.4 (2.21 to 55.3)	45.8 (24.6 to 68.1)	-3.92 (-17.1 to 9.21)
12 HIV/AIDS	12 Liver cancer	100 (50.9 to 169)	133 (80.6 to 203)	27.5 (-0.989 to 68.3)
13 COVID-19	13 Atrial fibrillation	277 (181 to 407)	338 (249 to 439)	3.07 (-6.86 to 13.3)
14 Liver cancer	14 Diarrheal diseases	144 (57 to 274)	184 (89.1 to 318)	-17.5 (-42.8 to 19)
15 Urinary diseases	15 Road injuries	-27.6 (-47.3 to 0.773)	-15.8 (-35.5 to 12.2)	-17.7 (-39.7 to 12.1)
16 Tuberculosis	16 Parkinson's disease	160 (109 to 234)	202 (158 to 251)	-7.3 (-14.9 to 2.42)
17 Breast cancer	17 Bacterial skin	304 (159 to 483)	370 (215 to 576)	84.6 (32.5 to 159)
18 Self-harm	18 Pancreatic cancer	133 (69.5 to 218)	170 (108 to 245)	32.4 (4.33 to 65.2)
19 Stomach cancer	19 Breast cancer	33.8 (-1.68 to 75.7)	55.4 (23.4 to 92.1)	-8.92 (-27.1 to 12.9)
20 Gallbladder cancer	20 Prostate cancer	143 (83.6 to 228)	182 (119 to 252)	-1.8 (-15.3 to 11.8)
21 Diarrheal diseases	26 Gallbladder cancer			
23 Parkinson's disease	27 Stomach cancer			
24 Pancreatic cancer	28 Tuberculosis			
25 Atrial fibrillation	32 Self-harm			
27 Prostate cancer	55 HIV/AIDS			
37 Bacterial skin	133 COVID-19			

### Timor-Leste, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	27.8 (1.56 to 62.7)	-8.79 (-27.6 to 14.4)	-40.4 (-54.1 to -20.8)
2 Ischemic heart disease	2 Ischemic heart disease	32.2 (-8.79 to 92.1)	-5.59 (-36.6 to 34.4)	-39.4 (-62.5 to -5.06)
3 Lower respiratory infect	3 Chronic kidney disease	173 (108 to 271)	95 (45.5 to 157)	32.7 (-1.5 to 87.7)
4 Tuberculosis	4 Lower respiratory infect	-4.99 (-23.5 to 19.3)	-32.2 (-44.9 to -16.3)	-42.9 (-52.2 to -32.7)
5 Neonatal disorders	5 COPD	64.3 (25.8 to 113)	17.3 (-12.4 to 51.4)	-26.9 (-45.1 to -1.35)
6 COPD	6 Hypertensive heart disease	92.9 (37.1 to 162)	37.8 (-5.71 to 90.6)	-13.1 (-42.9 to 36.5)
7 Chronic kidney disease	7 Tuberculosis	-37.7 (-56.5 to -10.7)	-55.5 (-70.7 to -35.3)	-67.5 (-77.9 to -50.5)
8 Hypertensive heart disease	8 Alzheimer's disease	223 (115 to 344)	130 (58.3 to 212)	14.8 (10.6 to 19.2)
9 Congenital defects	9 Lung cancer	138 (61.6 to 218)	69.4 (15.9 to 130)	16.6 (-10.2 to 45.1)
10 Diabetes	10 Cirrhosis liver	54.1 (28.2 to 91.9)	10 (-9.51 to 33.2)	-24.2 (-35.5 to -7.79)
11 Cirrhosis liver	11 Diabetes	51.6 (13.7 to 104)	8.24 (-21.4 to 44.6)	-25.7 (-47.2 to 5.28)
12 Road injuries	12 Colorectal cancer	169 (71.7 to 283)	91.6 (25.9 to 180)	29.4 (-5.45 to 68.1)
13 Diarrheal diseases	13 Road injuries	11.4 (-31 to 70.9)	-20.6 (-47.4 to 23.2)	-30.3 (-54.7 to 10.8)
14 Upper digest diseases	14 Neonatal disorders	-67 (-79.7 to -50.3)	-76.6 (-84.4 to -66)	-61.1 (-73 to -43.8)
15 Lung cancer	15 Breast cancer	145 (68.8 to 247)	74.4 (23.9 to 133)	18.5 (-10.2 to 51.5)
16 HIV/AIDS	16 Falls	83.1 (42.6 to 131)	30.5 (6.36 to 60.8)	-7.06 (-15.4 to 1.08)
17 Asthma	17 Upper digest diseases	15 (-10.3 to 44.5)	-17.9 (-36.4 to 0.669)	-45.7 (-58.1 to -28.1)
18 COVID-19	18 Congenital defects	-46.2 (-63.5 to -27.1)	-61.9 (-69.8 to -53.3)	-41.4 (-49.2 to -31.6)
19 Alzheimer's disease	19 Stomach cancer	49.6 (22 to 81.5)	6.74 (-9.32 to 25.7)	-27.6 (-33.3 to -21.2)
20 Drowning	20 Asthma	-22.7 (-37.6 to -3.67)	-44.9 (-53.6 to -32.6)	-61.6 (-68 to -53)
21 Falls	22 Diarrheal diseases			
22 Colorectal cancer	34 Drowning			
25 Stomach cancer	55 HIV/AIDS			
26 Breast cancer	132 COVID-19			

### Viet Nam, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	61.8 (31.7 to 94.8)	45.8 (20.4 to 72.9)	-33.7 (-47.4 to -19.6)
2 Ischemic heart disease	2 Ischemic heart disease	36.7 (-3.13 to 81.6)	23.1 (-11 to 64.4)	-44.8 (-62.1 to -20.6)
3 COPD	3 Chronic kidney disease	221 (141 to 305)	189 (127 to 258)	39.5 (6.14 to 85.2)
4 Diabetes	4 COPD	122 (77.1 to 179)	100 (61.4 to 149)	-16.9 (-34.5 to 12.3)
5 Cirrhosis liver	5 Cirrhosis liver	179 (135 to 232)	151 (116 to 188)	56.2 (33 to 79.4)
6 Chronic kidney disease	6 Alzheimer's disease	231 (153 to 311)	198 (137 to 268)	6.38 (2.55 to 10.2)
7 Road injuries	7 Diabetes	85.6 (42.1 to 137)	67.2 (27.7 to 109)	-22.5 (-41.9 to 2.94)
8 Lung cancer	8 Hypertensive heart disease	182 (99.3 to 277)	154 (86.5 to 235)	10.6 (-24.5 to 57.4)
9 Lower respiratory infect	9 Liver cancer	246 (151 to 373)	212 (130 to 334)	91 (38.9 to 171)
10 COVID-19	10 Lung cancer	93.4 (42.7 to 146)	74.1 (31.1 to 119)	-1.06 (-20.4 to 19.3)
11 Tuberculosis	11 Falls	141 (77.5 to 210)	117 (65.3 to 175)	-1.21 (-11 to 11.6)
12 Hypertensive heart disease	12 Lower respiratory infect	70 (41.5 to 101)	53.1 (32.7 to 79.5)	-33 (-42.4 to -21.5)
13 Alzheimer's disease	13 Colorectal cancer	184 (93.4 to 279)	156 (79.8 to 235)	37.4 (4.33 to 73.6)
14 Falls	14 Road injuries	29.7 (-7.05 to 79.6)	16.9 (-13.6 to 61.4)	-5.51 (-31 to 32.3)
15 Liver cancer	15 Atrial fibrillation	332 (229 to 450)	289 (200 to 391)	35.8 (22.8 to 51.3)
16 Colorectal cancer	16 Tuberculosis	-11.9 (-36.3 to 19.2)	-20.6 (-41 to 6.67)	-59.8 (-71.3 to -41.7)
17 Self-harm	17 Breast cancer	119 (63.5 to 190)	97.1 (51.5 to 153)	21.5 (-2.3 to 51.2)
18 Drowning	18 Parkinson's disease	208 (153 to 269)	178 (136 to 220)	5.24 (-4.55 to 14.5)
19 Stomach cancer	19 Self-harm	56.3 (29 to 82.8)	40.8 (19.6 to 63.6)	9.73 (-7.36 to 30.1)
20 Neonatal disorders	20 Stomach cancer	34.2 (12.3 to 58.6)	20.9 (2.94 to 38.4)	-32.2 (-37.4 to -26.6)
22 Breast cancer	28 Drowning			
24 Parkinson's disease	48 Neonatal disorders			
26 Atrial fibrillation	132 COVID-19			

### Angola, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Lower respiratory infect	74.3 (38 to 115)	-13.6 (-29.2 to 4.57)	-30 (-38.8 to -19.4)
2 HIV/AIDS	2 Stroke	90.3 (42.9 to 139)	-5.7 (-26.3 to 17)	-49 (-58.8 to -37)
3 Lower respiratory infect	3 Ischemic heart disease	69.9 (19.3 to 131)	-15.8 (-40 to 14.3)	-54.4 (-68.7 to -35.1)
4 Malaria	4 Hypertensive heart disease	250 (168 to 340)	73.3 (36.1 to 115)	-14.1 (-32.2 to 8.61)
5 Stroke	5 HIV/AIDS	-10.9 (-45.7 to 57.4)	-55.8 (-73.2 to -23.5)	-63.6 (-77.7 to -39.7)
6 Tuberculosis	6 Neonatal disorders	-32.4 (-52.4 to -5.63)	-66.6 (-75 to -57)	-48.3 (-60.3 to -35.2)
7 Road injuries	7 Road injuries	32.4 (-31 to 147)	-34.5 (-66 to 19.4)	-42.6 (-67.9 to 3.87)
8 Ischemic heart disease	8 Chronic kidney disease	247 (162 to 347)	71.8 (30 to 117)	5.79 (-17 to 34.4)
9 Diarrheal diseases	9 Cirrhosis liver	117 (77.3 to 163)	7.64 (-12.2 to 27.3)	-26.4 (-38.1 to -10.9)
10 Cirrhosis liver	10 Diabetes	130 (70.3 to 198)	14.2 (-11.7 to 45.9)	-32.3 (-47.6 to -11.9)
11 Congenital defects	11 Tuberculosis	-19.7 (-44.1 to 12.6)	-60.2 (-72.8 to -43.7)	-71.1 (-78.9 to -60.4)
12 COVID-19	12 Diarrheal diseases	2.38 (-29.4 to 38.5)	-49.3 (-64.3 to -30.7)	-54.4 (-65.2 to -41)
13 Hypertensive heart disease	13 Alzheimer's disease	431 (282 to 583)	163 (93.7 to 244)	2.46 (-0.876 to 5.52)
14 Diabetes	14 Malaria	-39.2 (-95.8 to 286)	-69.4 (-97.9 to 94.2)	-68.9 (-97.6 to 139)
15 Chronic kidney disease	15 COPD	157 (101 to 217)	27.3 (0.393 to 55)	-33.8 (-46 to -17.4)
16 Pertussis	16 Self-harm	141 (93.2 to 201)	19.3 (-3.28 to 44.2)	-16.7 (-29.9 to -2.64)
17 Meningitis	17 Breast cancer	273 (186 to 382)	84.6 (43.7 to 139)	23.8 (2.48 to 49.8)
18 Protein-energy malnutrition	18 Lung cancer	240 (155 to 331)	68.6 (28.7 to 114)	4.88 (-14.3 to 25.2)
19 Self-harm	19 Cardiomyopathy	150 (106 to 199)	24.1 (7.19 to 43.4)	-20.5 (-23.7 to -17.1)
20 COPD	20 Congenital defects	-18.6 (-38.8 to 6.04)	-59.8 (-67.6 to -49.3)	-40.5 (-50.4 to -27)
25 Cardiomyopathy	24 Pertussis			
26 Alzheimer's disease	28 Meningitis			
27 Breast cancer	34 Protein-energy malnutrition			
28 Lung cancer	136 COVID-19			



### Central African Republic, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Tuberculosis	1 Lower respiratory infect	8.62 (-21 to 43.7)	-14.2 (-30.8 to 6.49)	<b>-22.1 (-33.5 to -9.84)</b>
2 COVID-19	2 Tuberculosis	<b>-42.8 (-63.7 to -14.7)</b>	<b>-54.8 (-69 to -33.8)</b>	<b>-65.7 (-76.7 to -49.7)</b>
3 Neonatal disorders	3 Ischemic heart disease	<b>62.2 (2.27 to 136)</b>	28.4 (-13.5 to 76)	-23.5 (-50.4 to 14.5)
4 Malaria	4 Stroke	29 (-6.72 to 75)	1.92 (-19.5 to 25.2)	<b>-41.1 (-54.9 to -25.1)</b>
5 Lower respiratory infect	5 Diarrheal diseases	-5.34 (-40.5 to 36.9)	-25.2 (-48.4 to 5.31)	-17 (-40.4 to 17.1)
6 Diarrheal diseases	6 Malaria	-35.7 (-95.3 to 180)	-48.5 (-96.1 to 143)	-43.6 (-95 to 164)
7 HIV/AIDS	7 Road injuries	-17.4 (-60.9 to 48.1)	-34.6 (-66.1 to 18.4)	-41.4 (-68.3 to 2.01)
8 Road injuries	8 Diabetes	<b>97.1 (37 to 167)</b>	<b>55.8 (19 to 98.6)</b>	-3.67 (-28.5 to 29.2)
9 Stroke	9 Neonatal disorders	<b>-59.4 (-74.3 to -41.9)</b>	<b>-68.1 (-76.8 to -56.6)</b>	<b>-45.1 (-58.3 to -28.9)</b>
10 Ischemic heart disease	10 Hypertensive heart disease	<b>118 (55.1 to 196)</b>	<b>71.9 (34.2 to 117)</b>	-15.4 (-36.1 to 10.3)
11 Cirrhosis liver	11 Cirrhosis liver	12.6 (-19.3 to 44.6)	-11.2 (-24.8 to 3.5)	<b>-38.5 (-47.9 to -27.8)</b>
12 Congenital defects	12 Chronic kidney disease	<b>100 (40.6 to 172)</b>	<b>58.3 (21.2 to 98.5)</b>	3.6 (-22.2 to 34.6)
13 Diabetes	13 COPD	<b>60.6 (16.5 to 110)</b>	<b>26.9 (1.44 to 56.7)</b>	<b>-31.2 (-45.4 to -12.4)</b>
14 Hypertensive heart disease	14 Self-harm	36.6 (-1.42 to 77.2)	7.68 (-12.4 to 27.4)	<b>-21.4 (-34.8 to -6.66)</b>
15 Protein-energy malnutrition	15 Cervical cancer	<b>46.5 (3.74 to 90.6)</b>	15.6 (-6.12 to 38.6)	<b>-20.9 (-35.6 to -3.84)</b>
16 Chronic kidney disease	16 Alzheimer's disease	<b>222 (106 to 376)</b>	<b>153 (76.5 to 234)</b>	2.97 (-2.55 to 7.98)
17 Maternal disorders	17 Congenital defects	<b>-52 (-66.5 to -33.1)</b>	<b>-62.3 (-69.4 to -53)</b>	<b>-40.1 (-49.3 to -27)</b>
18 Meningitis	18 Meningitis	<b>-34.8 (-59.2 to -3.2)</b>	<b>-48.4 (-65.6 to -22.5)</b>	<b>-46.1 (-62.3 to -21.5)</b>
19 Pertussis	19 Breast cancer	<b>128 (44 to 225)</b>	<b>79.5 (32 to 135)</b>	20.2 (-0.13 to 45.9)
20 COPD	20 Cardiomyopathy	<b>50.1 (3.08 to 101)</b>	18.1 (-0.216 to 40.6)	<b>-21.2 (-25.1 to -17)</b>
22 Self-harm	22 Pertussis			
25 Cervical cancer	23 Protein-energy malnutrition			
29 Cardiomyopathy	24 Maternal disorders			
34 Breast cancer	29 HIV/AIDS			
40 Alzheimer's disease	136 COVID-19			

### Congo (Brazzaville), Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Ischemic heart disease	67.9 (18.5 to 123)	17.8 (-15.2 to 61.9)	-43.8 (-61.2 to -18.1)
2 Ischemic heart disease	2 Stroke	76.2 (35.4 to 123)	23.6 (2.25 to 51)	-42.6 (-53.4 to -28.5)
3 Stroke	3 Hypertensive heart disease	247 (165 to 350)	143 (97.4 to 203)	5.71 (-16.1 to 32.8)
4 Malaria	4 Lower respiratory infect	117 (75.9 to 170)	52.1 (30.3 to 76.7)	-17.1 (-26.6 to -4.05)
5 Lower respiratory infect	5 Chronic kidney disease	217 (138 to 311)	123 (77.7 to 174)	21.1 (-3.7 to 51.5)
6 Road injuries	6 Diabetes	105 (54.1 to 163)	43.7 (13 to 80.9)	-24.1 (-39.7 to -3.91)
7 Tuberculosis	7 Cirrhosis liver	89.8 (54 to 135)	33.2 (12.5 to 58)	-17.8 (-28.9 to -3.44)
8 Neonatal disorders	8 Road injuries	28.1 (-27.3 to 108)	-10.1 (-48.5 to 55.7)	-23.9 (-56.4 to 34.3)
9 Diabetes	9 COPD	185 (124 to 260)	100 (65.5 to 144)	-9.21 (-25.3 to 12.4)
10 Cirrhosis liver	10 Tuberculosis	-13.1 (-39 to 17)	-39 (-55.2 to -16.7)	-61.4 (-72.3 to -46.3)
11 Hypertensive heart disease	11 Diarrheal diseases	37.1 (-5.05 to 84.6)	-3.71 (-33.8 to 29.5)	-31.2 (-48.5 to -5.65)
12 Chronic kidney disease	12 Alzheimer's disease	291 (184 to 412)	174 (116 to 239)	2.67 (-1.03 to 6.74)
13 Diarrheal diseases	13 Breast cancer	161 (82 to 244)	82.7 (38.5 to 137)	9.32 (-11.5 to 30.7)
14 COVID-19	14 Neonatal disorders	-36.6 (-54.3 to -14.2)	-55.6 (-65.4 to -42.2)	-31.3 (-44.9 to -12.4)
15 COPD	15 Lung cancer	190 (100 to 290)	103 (53 to 163)	7.1 (-11.2 to 28.4)
16 Self-harm	16 Self-harm	89.9 (51.5 to 136)	33.2 (11.9 to 57.9)	-9.03 (-23.1 to 8.7)
17 Cervical cancer	17 HIV/AIDS	-76.7 (-86.4 to -63.4)	-83.7 (-90.2 to -74.5)	-86.3 (-91.7 to -79)
18 Breast cancer	18 Prostate cancer	299 (157 to 453)	179 (93.1 to 290)	19.2 (-3.55 to 45.4)
19 Congenital defects	19 Cervical cancer	78.2 (40.2 to 121)	25 (3.97 to 48.1)	-21.6 (-33.3 to -7.44)
20 Maternal disorders	20 Esophageal cancer	188 (133 to 253)	102 (70.3 to 135)	5.86 (-5.64 to 18.2)
22 Alzheimer's disease	22 Malaria			
23 Lung cancer	35 Congenital defects			
26 Esophageal cancer	43 Maternal disorders			
31 Prostate cancer	135 COVID-19			

### DR Congo, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Lower respiratory infect	74.6 (21.8 to 132)	-0.81 (-20.3 to 16.9)	-29.8 (-39.4 to -20.6)
2 Neonatal disorders	2 Stroke	72.4 (17.2 to 134)	-1.93 (-23 to 20.2)	-47.2 (-58 to -33.4)
3 Tuberculosis	3 Ischemic heart disease	87.1 (19.8 to 182)	6.62 (-27.8 to 56.2)	-42.6 (-61 to -13.5)
4 Lower respiratory infect	4 Hypertensive heart disease	234 (121 to 371)	90.1 (45.2 to 141)	-8.62 (-29.1 to 20.3)
5 Stroke	5 Road injuries	30.8 (-28.2 to 125)	-25.4 (-58.7 to 36)	-35.4 (-62.3 to 15.3)
6 Road injuries	6 Tuberculosis	-9.78 (-40.9 to 30.2)	-48.6 (-63.8 to -24.7)	-64.8 (-74.6 to -48.3)
7 Ischemic heart disease	7 Chronic kidney disease	199 (104 to 316)	70.1 (31.6 to 123)	1.76 (-21.4 to 34.2)
8 COVID-19	8 Diabetes	145 (58.3 to 249)	39.1 (4.08 to 82.3)	-19.4 (-38.7 to 4.34)
9 Cirrhosis liver	9 Cirrhosis liver	99.7 (41.4 to 168)	13.7 (-5.73 to 35.7)	-26.4 (-37.3 to -14.6)
10 Hypertensive heart disease	10 Malaria	-58.9 (-98.3 to 220)	-77.2 (-98.9 to 80.6)	-71.2 (-98.6 to 118)
11 Diarrheal diseases	11 COPD	136 (62.6 to 231)	34.4 (5.95 to 66.8)	-30.4 (-43.9 to -14)
12 Diabetes	12 Neonatal disorders	-41.7 (-63.7 to -16.1)	-66.9 (-75.1 to -54.9)	-49 (-60.5 to -34.8)
13 Chronic kidney disease	13 Alzheimer's disease	322 (156 to 512)	140 (71.5 to 206)	0.079 (-3.39 to 3.99)
14 COPD	14 Diarrheal diseases	38.6 (-13.9 to 109)	-21 (-49.3 to 15.7)	-30 (-48 to -2.86)
15 Maternal disorders	15 Self-harm	122 (50.9 to 197)	26.1 (4.23 to 50.1)	-11.8 (-25.2 to 2.41)
16 Congenital defects	16 Cervical cancer	110 (40.4 to 182)	19.7 (-0.397 to 49.5)	-25.1 (-36.2 to -8.94)
17 Measles	17 Breast cancer	206 (88.4 to 348)	73.2 (27.3 to 117)	6.26 (-13 to 26.7)
18 Self-harm	18 Cardiomyopathy	135 (66.5 to 211)	33.7 (13.8 to 52.8)	-19.5 (-24.7 to -14.2)
19 Meningitis	19 Prostate cancer	348 (163 to 605)	154 (75.6 to 244)	27.8 (1.29 to 53.5)
20 Pertussis	20 Esophageal cancer	196 (104 to 302)	68 (43.3 to 98)	-3.61 (-14.8 to 7.54)
21 Cervical cancer	22 Congenital defects			
24 Alzheimer's disease	26 Maternal disorders			
25 Cardiomyopathy	28 Meningitis			
30 Breast cancer	31 Pertussis			
34 Esophageal cancer	81 Measles			
41 Prostate cancer	136 COVID-19			

### Equatorial Guinea, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	203 (149 to 257)	48.5 (24.3 to 77.2)	-18.4 (-29 to -4.49)
2 Malaria	2 Ischemic heart disease	118 (50.7 to 200)	7.07 (-25.4 to 48.3)	-51.6 (-66.4 to -31.8)
3 Neonatal disorders	3 HIV/AIDS	-42.5 (-61.2 to -13.4)	-71.8 (-80.7 to -58.3)	-78.6 (-85.1 to -68.8)
4 Ischemic heart disease	4 Chronic kidney disease	334 (226 to 449)	113 (67.1 to 164)	14.1 (-10.1 to 45.6)
5 Road injuries	5 Stroke	148 (93.5 to 210)	21.9 (-2.05 to 49.7)	-45.3 (-55.9 to -29.3)
6 Lower respiratory infect	6 Hypertensive heart disease	416 (307 to 549)	153 (102 to 208)	10.8 (-11.5 to 39.2)
7 Stroke	7 Diabetes	231 (146 to 329)	62.6 (23.5 to 107)	-21.7 (-39.2 to -0.0243)
8 Diabetes	8 Road injuries	84.3 (7.99 to 239)	-9.48 (-48.2 to 71.3)	-23.2 (-54.5 to 43.4)
9 COVID-19	9 Cirrhosis liver	302 (235 to 374)	97.5 (61.4 to 137)	1.47 (-13.4 to 20.5)
10 Chronic kidney disease	10 Neonatal disorders	18 (-14.3 to 58.1)	-42.3 (-54.3 to -24.2)	-17.9 (-34.5 to 5.87)
11 Tuberculosis	11 Malaria	-24.5 (-95.6 to 299)	-63.3 (-97.9 to 97.6)	-67.3 (-97.7 to 69.9)
12 Hypertensive heart disease	12 Alzheimer's disease	407 (271 to 578)	148 (82.4 to 224)	6 (2.6 to 10.1)
13 Cirrhosis liver	13 COPD	315 (222 to 412)	103 (61.9 to 148)	-7.27 (-25.7 to 14.6)
14 Congenital defects	14 Breast cancer	324 (224 to 453)	108 (61 to 161)	8.52 (-9.02 to 28.1)
15 Mechanical forces	15 Lung cancer	386 (266 to 533)	138 (77.7 to 199)	10.1 (-9.63 to 31.7)
16 Diarrheal diseases	16 Self-harm	208 (144 to 275)	51.2 (25 to 84.1)	-3.3 (-20 to 18.1)
17 Self-harm	17 Tuberculosis	61 (16.3 to 123)	-21 (-43.3 to 8.74)	-56.1 (-67.1 to -40.2)
18 COPD	18 Colorectal cancer	417 (282 to 594)	153 (85.1 to 237)	20.1 (-2.17 to 45.2)
19 Maternal disorders	19 Mechanical forces	97.4 (52.3 to 150)	-3.17 (-22.8 to 24.1)	-22.6 (-36.3 to -1.45)
20 Meningitis	20 Esophageal cancer	418 (330 to 512)	154 (113 to 200)	11.6 (1.25 to 23.2)
21 Breast cancer	27 Diarrheal diseases			
22 Alzheimer's disease	28 Congenital defects			
26 Lung cancer	29 Meningitis			
30 Colorectal cancer	34 Maternal disorders			
31 Esophageal cancer	134 COVID-19			

### Gabon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Chronic kidney disease	165 (108 to 232)	72.2 (39.7 to 111)	6.59 (-14 to 32.4)
2 HIV/AIDS	2 Lower respiratory infect	95.6 (64.1 to 132)	27.2 (9.15 to 52.2)	-19.8 (-29.6 to -8.79)
3 Stroke	3 Hypertensive heart disease	192 (129 to 266)	89.7 (53.2 to 136)	1.41 (-19.5 to 26.9)
4 Lower respiratory infect	4 Stroke	47.8 (19.8 to 78.3)	-3.95 (-20.4 to 15.8)	-46.3 (-55.6 to -33.8)
5 Malaria	5 Ischemic heart disease	25 (-9.77 to 67)	-18.7 (-39.8 to 7.21)	-53.2 (-67.1 to -36.4)
6 Diabetes	6 Diabetes	83.3 (43.4 to 127)	19.1 (-4.19 to 44.4)	-26 (-39.7 to -8.32)
7 Chronic kidney disease	7 Road injuries	34 (-22.7 to 136)	-13 (-48.6 to 57.4)	-26.1 (-55.1 to 32.7)
8 Road injuries	8 Cirrhosis liver	71.7 (44.2 to 103)	11.7 (-7.15 to 30.9)	-24.8 (-34.3 to -12.5)
9 Neonatal disorders	9 Alzheimer's disease	234 (159 to 323)	117 (71.2 to 182)	3.95 (0.434 to 7.7)
10 Hypertensive heart disease	10 COPD	168 (113 to 226)	74.4 (44.3 to 117)	-1.19 (-19 to 21.3)
11 COVID-19	11 Lung cancer	167 (102 to 238)	73.7 (31.1 to 118)	9.59 (-8.58 to 29.3)
12 Cirrhosis liver	12 Breast cancer	170 (106 to 247)	75.4 (35.2 to 124)	13.4 (-5.83 to 33.4)
13 Tuberculosis	13 Neonatal disorders	-25.6 (-47.6 to 3.21)	-51.9 (-63 to -37.5)	-26.2 (-40.2 to -9.37)
14 COPD	14 Tuberculosis	-11.1 (-35.2 to 18.3)	-42.2 (-56.7 to -22.1)	-61.1 (-71.1 to -47.2)
15 Alzheimer's disease	15 Colorectal cancer	183 (112 to 269)	83.8 (35.1 to 146)	13.5 (-7.35 to 36.2)
16 Diarrheal diseases	16 Self-harm	85.4 (52.5 to 120)	20.5 (3.79 to 43)	-13.2 (-24.7 to 0.501)
17 Self-harm	17 HIV/AIDS	-68.1 (-78.6 to -57.6)	-79.3 (-86 to -72.5)	-82.7 (-88.6 to -77.7)
18 Lung cancer	18 Prostate cancer	198 (110 to 304)	93.5 (37.7 to 168)	8.68 (-13.1 to 32.5)
19 Breast cancer	19 Liver cancer	148 (90.8 to 213)	61.2 (26.1 to 102)	2.09 (-17.6 to 28.9)
20 Colorectal cancer	20 Esophageal cancer	140 (106 to 176)	55.9 (31.8 to 82.8)	-3.45 (-11.3 to 5.52)
24 Liver cancer	21 Malaria			
25 Esophageal cancer	28 Diarrheal diseases			
27 Prostate cancer	135 COVID-19			

### Burundi, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	99.2 (51.2 to 154)	8.26 (-17.2 to 31.2)	-34.8 (-48.2 to -17.8)
2 Malaria	2 Lower respiratory infect	54.9 (19.6 to 96.5)	-15.9 (-31.9 to 0.613)	-28.6 (-38.4 to -16.8)
3 Neonatal disorders	3 Ischemic heart disease	148 (63.1 to 252)	34.8 (-8.99 to 99.1)	-14.6 (-44 to 31.5)
4 Tuberculosis	4 Diarrheal diseases	51.3 (-0.72 to 116)	-17.7 (-44.5 to 18.8)	-21.4 (-44 to 14.9)
5 Lower respiratory infect	5 Tuberculosis	-17.9 (-44 to 17.3)	-55.4 (-68.6 to -35.9)	-68.6 (-77.6 to -55.2)
6 Stroke	6 Neonatal disorders	-41.5 (-58.9 to -19.5)	-68.3 (-75.6 to -58.8)	-49.3 (-59.1 to -36.5)
7 Diarrheal diseases	7 Chronic kidney disease	230 (147 to 315)	79.3 (37.9 to 130)	15.6 (-10.8 to 51.4)
8 Ischemic heart disease	8 Diabetes	139 (71.9 to 202)	29.9 (-2.2 to 65.3)	-17.6 (-38.1 to 7.63)
9 Road injuries	9 Cirrhosis liver	64 (31.8 to 98.4)	-10.8 (-24.9 to 4.72)	-42.7 (-51.3 to -32.4)
10 Cirrhosis liver	10 Road injuries	46.7 (-11.3 to 147)	-20.2 (-51.6 to 28.6)	-39.1 (-60.2 to -5.43)
11 Conflict & terror	11 Hypertensive heart disease	145 (80.5 to 210)	33.4 (1.02 to 69.4)	-27.2 (-44.1 to -3.7)
12 Congenital defects	12 COPD	126 (74 to 179)	23 (-2.23 to 51.1)	-30.8 (-43.4 to -12.3)
13 Diabetes	13 Alzheimer's disease	260 (146 to 385)	95.7 (37.5 to 150)	1.23 (-1.81 to 4.53)
14 Chronic kidney disease	14 Self-harm	97.7 (59.3 to 142)	7.4 (-11.5 to 26.6)	-24.4 (-36.1 to -12)
15 HIV/AIDS	15 Congenital defects	-24.8 (-42.8 to -4.52)	-59.2 (-66.5 to -49.7)	-39 (-48.3 to -28.1)
16 Protein-energy malnutrition	16 Falls	162 (96.3 to 235)	42.1 (14.8 to 73.1)	-5.82 (-10.5 to -0.274)
17 COPD	17 Urinary diseases	208 (155 to 275)	67.1 (44.4 to 93.8)	8.25 (-3.85 to 23.1)
18 Maternal disorders	18 Cervical cancer	124 (73.2 to 173)	22.1 (-1.42 to 48.2)	-20.5 (-33.5 to -3.95)
19 Hypertensive heart disease	19 Breast cancer	217 (127 to 316)	72 (29.8 to 119)	10.7 (-6.22 to 34)
20 Meningitis	20 Ileus & obstruction	143 (87.3 to 206)	32.2 (5.49 to 58.9)	-9.66 (-26.9 to 10.6)
21 Self-harm	21 Malaria			
22 Cervical cancer	26 Meningitis			
24 Falls	27 Protein-energy malnutrition			
27 Ileus & obstruction	28 Maternal disorders			
28 Alzheimer's disease	29 Conflict & terror			
30 Urinary diseases	55 HIV/AIDS			
33 Breast cancer	134 COVID-19			

### Comoros, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	40.9 (1.56 to 93.8)	20.8 (-8.38 to 54.4)	-44.4 (-56.9 to -27.5)
2 Lower respiratory infect	2 Chronic kidney disease	193 (112 to 302)	151 (88.2 to 223)	22.7 (-6.04 to 60.5)
3 Neonatal disorders	3 Lower respiratory infect	26.7 (-3.18 to 64.8)	8.69 (-13.2 to 31.6)	-38.7 (-48.2 to -26.1)
4 Tuberculosis	4 Ischemic heart disease	45.6 (-7.61 to 125)	24.7 (-16.7 to 79.7)	-41.6 (-62.1 to -11.2)
5 Ischemic heart disease	5 Hypertensive heart disease	147 (76.6 to 240)	111 (60.9 to 164)	-8.44 (-29.8 to 17.6)
6 Diabetes	6 Diabetes	92.3 (37.8 to 174)	64.8 (20.1 to 117)	-20.2 (-40.7 to 7.64)
7 Chronic kidney disease	7 Alzheimer's disease	218 (109 to 321)	173 (104 to 242)	1.48 (-1.61 to 4.37)
8 Road injuries	8 Tuberculosis	-21 (-45 to 12.9)	-32.4 (-51.2 to -8.92)	-62.8 (-73.4 to -47.9)
9 Cirrhosis liver	9 Cirrhosis liver	45.3 (9.27 to 92.2)	24.6 (0.616 to 52.1)	-30.7 (-42 to -15.7)
10 Hypertensive heart disease	10 Road injuries	18.6 (-25.1 to 83.4)	1.47 (-32.6 to 51.7)	-29.3 (-54.8 to 10.4)
11 Diarrheal diseases	11 COPD	92.4 (37.5 to 160)	65 (26.9 to 106)	-28 (-42.5 to -8.76)
12 COPD	12 Diarrheal diseases	12 (-25.2 to 65.6)	-3.97 (-31.3 to 30.7)	-40.6 (-57 to -16.5)
13 Congenital defects	13 Urinary diseases	173 (103 to 248)	134 (87.5 to 182)	16.4 (1.51 to 33.9)
14 Meningitis	14 Breast cancer	118 (54 to 185)	87.4 (40.6 to 141)	3.73 (-14.6 to 24.3)
15 Alzheimer's disease	15 Prostate cancer	216 (104 to 326)	171 (82.4 to 261)	15.2 (-9.35 to 41.1)
16 Interpersonal violence	16 Neonatal disorders	-63.5 (-76.6 to -45.9)	-69 (-77.8 to -58.5)	-44.5 (-55.8 to -28.2)
17 Malaria	17 Esophageal cancer	101 (57.7 to 153)	72.3 (42.9 to 98.6)	-13.6 (-24.7 to -1.31)
18 Cervical cancer	18 Colorectal cancer	178 (85.5 to 281)	139 (70.3 to 218)	16.8 (-6.14 to 42.2)
19 Breast cancer	19 Falls	135 (69.2 to 202)	102 (62.2 to 145)	-5.66 (-10.2 to -0.781)
20 Esophageal cancer	20 Ileus & obstruction	105 (47.7 to 175)	75.8 (36.6 to 118)	-1.77 (-21.2 to 25.2)
22 Urinary diseases	21 Cervical cancer			
23 Falls	23 Interpersonal violence			
25 Ileus & obstruction	26 Meningitis			
27 Prostate cancer	35 Congenital defects			
28 Colorectal cancer	70 Malaria			

### Djibouti, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

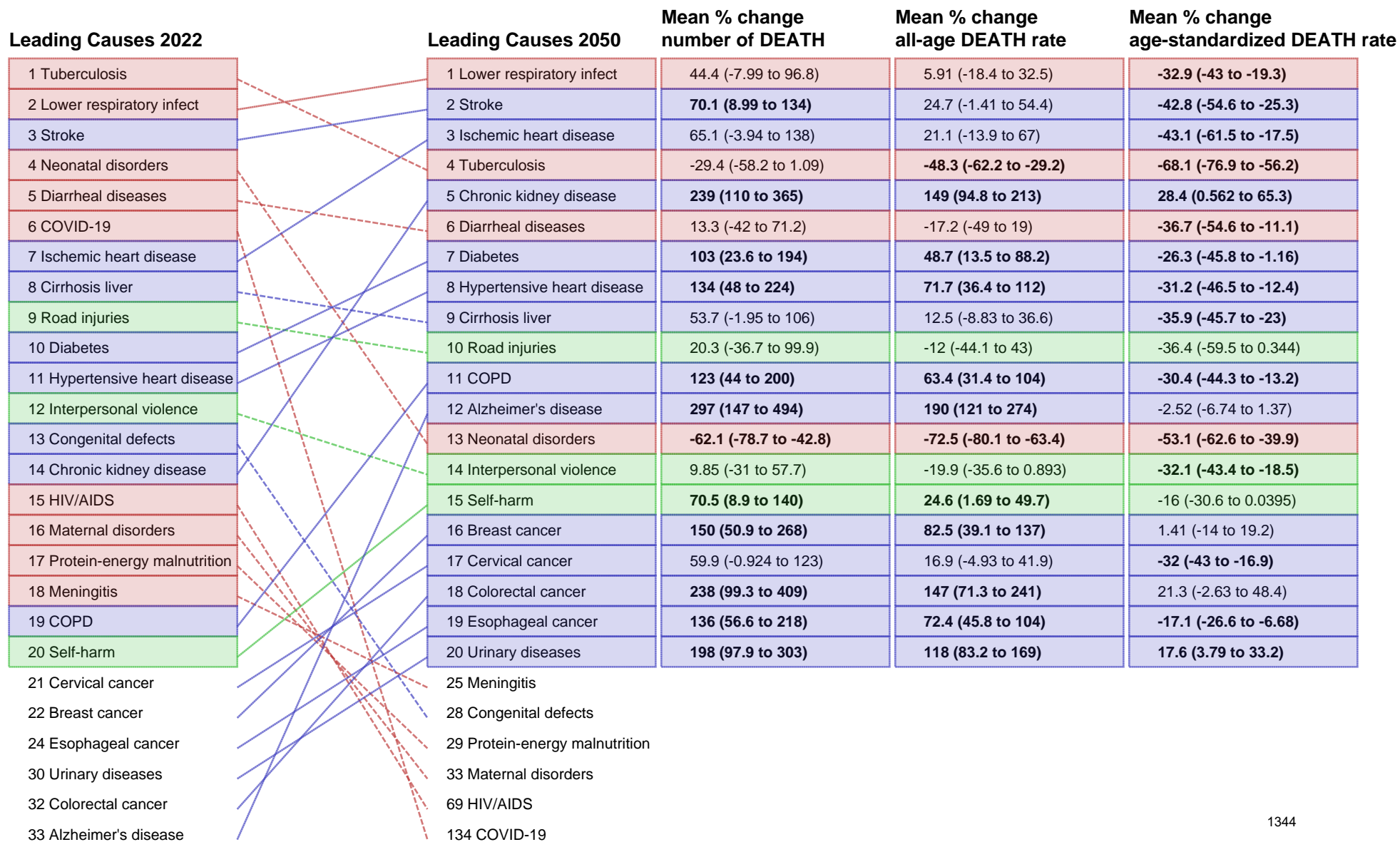
Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	131 (65.8 to 209)	49.8 (17.4 to 97.4)	-43.5 (-55.7 to -25.3)
2 Stroke	2 Lower respiratory infect	145 (83.2 to 209)	59.1 (28.1 to 94.9)	-24.8 (-35.4 to -10.5)
3 Lower respiratory infect	3 Chronic kidney disease	349 (223 to 497)	191 (127 to 269)	21.5 (-4.93 to 56.8)
4 Ischemic heart disease	4 Ischemic heart disease	91.3 (18.8 to 192)	24.1 (-15.7 to 82.7)	-51.1 (-68.1 to -25.1)
5 Tuberculosis	5 Hypertensive heart disease	262 (161 to 369)	135 (85.5 to 190)	-21.7 (-38.6 to 0.077)
6 Neonatal disorders	6 Diabetes	151 (70 to 254)	62.6 (16.4 to 117)	-32.3 (-49.8 to -5.72)
7 Cirrhosis liver	7 Cirrhosis liver	92.4 (44.9 to 147)	25 (1.84 to 54.3)	-36.6 (-46.9 to -23.1)
8 Diabetes	8 Alzheimer's disease	520 (342 to 749)	302 (198 to 419)	0.509 (-2.76 to 3.83)
9 Chronic kidney disease	9 Tuberculosis	-7.43 (-37.2 to 28.6)	-39.9 (-55.8 to -20.7)	-69.6 (-77.8 to -59.2)
10 Diarrheal diseases	10 HIV/AIDS	-60.5 (-84.1 to -17.8)	-74.3 (-88.7 to -45.5)	-79.5 (-91.1 to -55.9)
11 Road injuries	11 COPD	256 (159 to 367)	131 (81.5 to 190)	-18.4 (-34.1 to 2.89)
12 Hypertensive heart disease	12 Breast cancer	261 (169 to 362)	135 (86 to 196)	16.3 (-1.41 to 34.7)
13 Interpersonal violence	13 Colorectal cancer	321 (195 to 471)	174 (99.6 to 267)	16.3 (-7.17 to 39.1)
14 Malaria	14 Road injuries	53 (-5.58 to 152)	-0.677 (-34.6 to 59.9)	-37.4 (-59.7 to 1.4)
15 Maternal disorders	15 Prostate cancer	358 (210 to 553)	197 (107 to 313)	4.89 (-17.8 to 29.4)
16 COVID-19	16 Diarrheal diseases	35.7 (-7.85 to 92)	-12 (-36.2 to 21.7)	-50.1 (-62.4 to -31.6)
17 Pertussis	17 Urinary diseases	292 (201 to 397)	154 (107 to 209)	9.01 (-6.7 to 26.5)
18 Meningitis	18 Neonatal disorders	-29.1 (-52.8 to -1.99)	-54.2 (-66.1 to -40)	-20.1 (-34.4 to 1.68)
19 Congenital defects	19 Esophageal cancer	204 (137 to 275)	97.6 (66.2 to 137)	-13.7 (-23.2 to -3.01)
20 COPD	20 Lung cancer	275 (172 to 402)	143 (83.2 to 211)	7.2 (-13.8 to 30.3)
21 Breast cancer	22 Interpersonal violence			
24 Esophageal cancer	29 Meningitis			
26 Colorectal cancer	35 Malaria			
27 Urinary diseases	41 Maternal disorders			
28 Alzheimer's disease	43 Congenital defects			
30 Lung cancer	60 Pertussis			
31 Prostate cancer	133 COVID-19			



### Eritrea, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries



### Ethiopia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Chronic kidney disease	290 (196 to 392)	107 (62.9 to 157)	19.3 (-8.63 to 53.7)
2 Lower respiratory infect	2 Lower respiratory infect	31.1 (7.74 to 59.8)	-30.6 (-40.7 to -19.7)	-46.4 (-54.1 to -37.6)
3 Diarrheal diseases	3 Stroke	85.5 (45.3 to 129)	-1.73 (-19.8 to 18.9)	-47.7 (-58.2 to -33.7)
4 COVID-19	4 Neonatal disorders	-49.1 (-65.2 to -30.5)	-73.1 (-80.2 to -65.4)	-54.5 (-64.6 to -41.2)
5 Stroke	5 Diarrheal diseases	3.55 (-28.8 to 46.6)	-45.1 (-61.5 to -26.2)	-56 (-68.3 to -37.1)
6 Tuberculosis	6 Cirrhosis liver	113 (72.9 to 161)	12.8 (-3.81 to 34.2)	-34.7 (-44.9 to -21.7)
7 Ischemic heart disease	7 Ischemic heart disease	61.1 (4.23 to 134)	-14.6 (-42.9 to 23.2)	-54.2 (-70.7 to -29)
8 Chronic kidney disease	8 Alzheimer's disease	317 (230 to 406)	121 (80.1 to 168)	0.391 (-3.7 to 4.92)
9 Cirrhosis liver	9 Hypertensive heart disease	149 (91.1 to 216)	31.8 (3.04 to 66)	-33.3 (-49.2 to -10.6)
10 Congenital defects	10 Colorectal cancer	323 (192 to 474)	124 (65.3 to 199)	20.7 (-6.22 to 50.1)
11 Diabetes	11 Diabetes	74.1 (31.4 to 127)	-7.77 (-27.6 to 16.9)	-48.9 (-61.3 to -32.3)
12 HIV/AIDS	12 Urinary diseases	250 (195 to 314)	85.5 (64.1 to 107)	6.85 (-5.87 to 20.4)
13 Meningitis	13 Tuberculosis	-20.9 (-44.8 to 11.7)	-58.1 (-70.2 to -42)	-74 (-81.4 to -63.3)
14 Road injuries	14 Breast cancer	286 (190 to 412)	105 (59.9 to 160)	19.4 (-1.5 to 39.9)
15 Hypertensive heart disease	15 Falls	209 (151 to 271)	63.5 (38.9 to 88)	-5.64 (-11.2 to -0.206)
16 Protein-energy malnutrition	16 Road injuries	51.7 (-8.89 to 152)	-19.6 (-49.4 to 34.7)	-42 (-63.3 to -5.93)
17 Interpersonal violence	17 COPD	87.8 (46.6 to 129)	-0.501 (-19 to 18.9)	-49 (-59.8 to -37.3)
18 COPD	18 Self-harm	127 (81.9 to 177)	20.3 (0.999 to 42)	-20.1 (-33.5 to -5.26)
19 Pertussis	19 Interpersonal violence	74.3 (35.2 to 118)	-7.75 (-22.8 to 10.1)	-28 (-38.4 to -14.5)
20 Maternal disorders	20 Meningitis	-2.1 (-27.6 to 34.6)	-48.1 (-61.9 to -30.1)	-54.1 (-65.6 to -36.8)
21 Alzheimer's disease	26 Congenital defects			
23 Self-harm	33 Protein-energy malnutrition			
24 Urinary diseases	35 HIV/AIDS			
25 Colorectal cancer	36 Pertussis			
26 Falls	38 Maternal disorders			
28 Breast cancer	135 COVID-19			

### Kenya, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	88.8 (61.4 to 115)	31.4 (10.4 to 51.6)	-28.9 (-37.2 to -18.9)
2 Tuberculosis	2 Stroke	80.3 (51.3 to 109)	25.4 (4.46 to 49.4)	-45.7 (-55.4 to -33.9)
3 Lower respiratory infect	3 Chronic kidney disease	259 (187 to 334)	150 (97.8 to 206)	19.1 (-5.77 to 49.9)
4 Stroke	4 Cirrhosis liver	100 (73.1 to 129)	39.1 (18.5 to 61.3)	-30 (-38.8 to -18.6)
5 Neonatal disorders	5 Tuberculosis	-3.11 (-29.3 to 25.2)	-32.6 (-50 to -10.7)	-63.3 (-73 to -50.5)
6 COVID-19	6 Hypertensive heart disease	231 (163 to 304)	130 (82 to 184)	-10.3 (-29.7 to 13.3)
7 Cirrhosis liver	7 Ischemic heart disease	72.8 (25.1 to 127)	20.2 (-14.7 to 61.7)	-47.2 (-63.4 to -27)
8 Diarrheal diseases	8 Diabetes	125 (82.8 to 172)	56.8 (26.6 to 90.9)	-27 (-41.9 to -9.62)
9 Ischemic heart disease	9 Diarrheal diseases	31.8 (-6.56 to 88)	-8.33 (-34.4 to 28.8)	-35.9 (-51.3 to -11.1)
10 Chronic kidney disease	10 COPD	146 (103 to 190)	71.2 (40.3 to 102)	-27.5 (-40.3 to -14.6)
11 Diabetes	11 Alzheimer's disease	311 (218 to 408)	186 (124 to 260)	-3.24 (-8.38 to 1.63)
12 Hypertensive heart disease	12 Urinary diseases	253 (206 to 302)	145 (111 to 183)	20.5 (8.45 to 34.7)
13 COPD	13 Road injuries	61.4 (15.3 to 123)	12.3 (-18.8 to 57.5)	-28.9 (-49.2 to 2.09)
14 Road injuries	14 Neonatal disorders	-44.8 (-60.2 to -27.5)	-61.8 (-71 to -51.1)	-36.5 (-47.7 to -22.6)
15 Interpersonal violence	15 Breast cancer	196 (132 to 264)	106 (60.7 to 154)	4.45 (-10.5 to 22.2)
16 Meningitis	16 Falls	192 (141 to 249)	103 (65.5 to 147)	-6.57 (-10.9 to -1.35)
17 Malaria	17 Ileus & obstruction	169 (118 to 211)	87.2 (53.8 to 126)	-1.67 (-18.9 to 17.6)
18 Congenital defects	18 Esophageal cancer	163 (128 to 195)	82.9 (60.5 to 106)	-15.8 (-24.7 to -6.83)
19 Self-harm	19 Self-harm	105 (74.3 to 136)	42.5 (21.5 to 66.9)	-14.7 (-25.2 to -2.28)
20 Maternal disorders	20 Interpersonal violence	35 (13.6 to 61.9)	-6.18 (-22 to 9.47)	-30.3 (-39.2 to -19.9)
22 Alzheimer's disease	21 HIV/AIDS			
23 Falls	23 Meningitis			
24 Breast cancer	39 Congenital defects			
25 Ileus & obstruction	47 Maternal disorders			
26 Esophageal cancer	93 Malaria			
27 Urinary diseases	135 COVID-19			

### Madagascar, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	88.9 (55 to 133)	11 (-8.93 to 38.1)	-43.5 (-53.4 to -30.8)
2 Stroke	2 Lower respiratory infect	40.9 (18.1 to 71.3)	-17.1 (-30.2 to -1.67)	-32.3 (-40.6 to -21.7)
3 Lower respiratory infect	3 Hypertensive heart disease	219 (150 to 310)	87.2 (47.2 to 142)	-15.5 (-32.9 to 7.98)
4 Diarrheal diseases	4 Diarrheal diseases	29.8 (-15.5 to 102)	-23.7 (-50.1 to 14.3)	-19 (-40.1 to 11.4)
5 Neonatal disorders	5 Ischemic heart disease	99.3 (40.5 to 177)	17.1 (-19.5 to 70.1)	-40.1 (-57.8 to -14.5)
6 Tuberculosis	6 COPD	177 (120 to 250)	62.6 (28.6 to 102)	-26.7 (-40.7 to -9.57)
7 Ischemic heart disease	7 Tuberculosis	-2.54 (-28.5 to 36)	-42.7 (-58.4 to -20.3)	-63.4 (-72.5 to -49.9)
8 Hypertensive heart disease	8 Chronic kidney disease	263 (181 to 368)	113 (60.3 to 173)	18.7 (-8.1 to 52.3)
9 Malaria	9 Cirrhosis liver	90.9 (61.7 to 126)	12.2 (-4.76 to 33)	-33.7 (-43 to -21.5)
10 Protein-energy malnutrition	10 Diabetes	134 (85.2 to 206)	37.6 (6.45 to 81.5)	-25.5 (-42.1 to -3.37)
11 Cirrhosis liver	11 Neonatal disorders	-48 (-60.6 to -32.6)	-69.5 (-75.5 to -61.8)	-51.9 (-61.4 to -40.4)
12 Congenital defects	12 Road injuries	39.8 (-7.83 to 130)	-17.8 (-46.6 to 30.6)	-37.2 (-57 to -6.06)
13 COPD	13 Alzheimer's disease	376 (243 to 548)	179 (104 to 262)	-0.445 (-4.09 to 2.81)
14 Road injuries	14 Protein-energy malnutrition	-15 (-45.7 to 27.3)	-50 (-68 to -23.6)	-45.4 (-64 to -16.6)
15 Diabetes	15 Breast cancer	195 (124 to 275)	73.5 (33.3 to 115)	3.57 (-13.1 to 22.8)
16 Measles	16 Self-harm	102 (71 to 140)	18.6 (-0.631 to 38.7)	-18.6 (-29.2 to -4.17)
17 HIV/AIDS	17 Cervical cancer	105 (73.6 to 150)	20.3 (-0.466 to 48)	-25.1 (-35.7 to -10.1)
18 Meningitis	18 Esophageal cancer	162 (125 to 208)	54.2 (34.2 to 77.2)	-17.9 (-27.5 to -7.93)
19 Chronic kidney disease	19 Ileus & obstruction	158 (110 to 223)	51.8 (26 to 85.2)	-4.67 (-21.2 to 16.5)
20 Maternal disorders	20 Other unspecified infectious	71.6 (19 to 149)	0.842 (-31.3 to 44.5)	-3.81 (-33.1 to 38.2)
23 Self-harm	22 Congenital defects			
25 Cervical cancer	24 Meningitis			
26 Other unspecified infectious	30 Malaria			
27 Breast cancer	33 Maternal disorders			
28 Esophageal cancer	55 HIV/AIDS			
29 Ileus & obstruction	82 Measles			
36 Alzheimer's disease	133 COVID-19			

### Malawi, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	64.2 (34 to 97.2)	0.315 (-19.6 to 25.2)	-45 (-57.3 to -27)
2 COVID-19	2 Lower respiratory infect	41.7 (19.9 to 67.7)	-13.5 (-28.3 to 2.21)	-30.7 (-41.1 to -18.4)
3 Lower respiratory infect	3 Diarrheal diseases	45.4 (3.6 to 102)	-11.2 (-37.4 to 25.7)	-25.6 (-47.2 to 8.38)
4 Neonatal disorders	4 Chronic kidney disease	193 (132 to 261)	79.2 (35.9 to 127)	8.95 (-16.9 to 44)
5 Stroke	5 Ischemic heart disease	73.4 (18.8 to 157)	6.01 (-31.1 to 61.2)	-42.2 (-63 to -10.3)
6 Diarrheal diseases	6 Cirrhosis liver	98.9 (69 to 133)	21.4 (0.787 to 45.6)	-30.8 (-41.6 to -17.3)
7 Malaria	7 Diabetes	110 (61.6 to 165)	28.1 (-4.02 to 64)	-26.6 (-44.5 to -2.49)
8 Tuberculosis	8 Esophageal cancer	193 (156 to 233)	79.1 (56.1 to 105)	-6.66 (-16.3 to 1.78)
9 Ischemic heart disease	9 Tuberculosis	-9.97 (-37 to 28.4)	-45 (-63.3 to -19.1)	-65.3 (-76.2 to -48.6)
10 Cirrhosis liver	10 Hypertensive heart disease	162 (108 to 225)	59.9 (25.8 to 106)	-19.7 (-39.5 to 7.2)
11 Diabetes	11 Neonatal disorders	-46.3 (-63.1 to -24)	-67.4 (-75.5 to -55.7)	-45 (-56.3 to -30.8)
12 Chronic kidney disease	12 Road injuries	44.2 (-10.1 to 130)	-11.9 (-45.6 to 43.8)	-35.3 (-58.8 to 2.13)
13 Road injuries	13 COPD	119 (78 to 163)	33.5 (7.32 to 64.3)	-28.8 (-43.5 to -10.6)
14 Congenital defects	14 Self-harm	112 (77.1 to 153)	29.5 (6.15 to 54.7)	-14.8 (-28 to -1.14)
15 Meningitis	15 Lymphoma	152 (80 to 226)	53.5 (12.1 to 101)	6.43 (-13.3 to 28.4)
16 Hypertensive heart disease	16 Alzheimer's disease	247 (162 to 333)	112 (53.2 to 167)	0.298 (-4.52 to 4.63)
17 Esophageal cancer	17 Cervical cancer	120 (83 to 160)	34.2 (7.99 to 67.5)	-22.9 (-35.8 to -5.62)
18 COPD	18 Breast cancer	224 (149 to 314)	97.7 (51.9 to 147)	11.6 (-6.74 to 32)
19 Self-harm	19 Falls	147 (101 to 194)	50.6 (21.6 to 79.4)	-6.31 (-11.2 to -0.774)
20 Protein-energy malnutrition	20 HIV/AIDS	-83.8 (-88.9 to -78)	-90.1 (-93.1 to -86.8)	-90.7 (-93.8 to -87.4)
21 Cervical cancer	21 Meningitis			
23 Lymphoma	25 Congenital defects			
24 Falls	29 Protein-energy malnutrition			
27 Alzheimer's disease	30 Malaria			
28 Breast cancer	134 COVID-19			

### Mozambique, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	54.3 (25.3 to 88.8)	-14.6 (-33.6 to 3.39)	-48.9 (-58.1 to -37.9)
2 Neonatal disorders	2 Lower respiratory infect	30.4 (10.4 to 51.7)	-27.9 (-39.8 to -15.9)	-39 (-46.7 to -30.2)
3 Stroke	3 Hypertensive heart disease	164 (102 to 240)	46.2 (9.05 to 82.1)	-23.8 (-41.4 to -2.74)
4 Malaria	4 Tuberculosis	-26.3 (-46.6 to 1.1)	-59.2 (-70.9 to -42)	-72.1 (-79.5 to -61.4)
5 Tuberculosis	5 Diabetes	133 (80.2 to 189)	28.7 (-2.73 to 62.5)	-18.6 (-37.1 to 4.5)
6 Lower respiratory infect	6 Neonatal disorders	-54.7 (-67.8 to -39.3)	-75 (-80.4 to -67.4)	-58.3 (-66.5 to -47.9)
7 COVID-19	7 Chronic kidney disease	202 (134 to 279)	67.4 (26.3 to 109)	12.6 (-12.5 to 44)
8 Diarrheal diseases	8 HIV/AIDS	-79.2 (-84.2 to -74.2)	-88.5 (-91.2 to -85.8)	-90.1 (-92.8 to -87.5)
9 Congenital defects	9 Diarrheal diseases	-10.1 (-38.6 to 22.9)	-50.2 (-65.7 to -30.6)	-51.1 (-62.4 to -33.3)
10 Road injuries	10 Liver cancer	199 (135 to 272)	65.6 (27.3 to 100)	-1.16 (-20.5 to 23.5)
11 Hypertensive heart disease	11 Road injuries	27.4 (-17.6 to 99.1)	-29.4 (-56.5 to 14.1)	-46.7 (-64.8 to -16.3)
12 Diabetes	12 Malaria	-64.3 (-98 to 69.2)	-80.2 (-98.9 to -3.06)	-81.4 (-98.6 to 1.8)
13 Ischemic heart disease	13 Self-harm	128 (90.3 to 173)	26.3 (6.67 to 49.1)	-14 (-24.8 to -1.78)
14 Chronic kidney disease	14 Ischemic heart disease	54.5 (4.91 to 109)	-14.4 (-42.8 to 18.2)	-49.2 (-66.1 to -28.2)
15 Cirrhosis liver	15 Cirrhosis liver	106 (74.6 to 149)	14.3 (-4.17 to 34.3)	-28 (-38 to -15.8)
16 Self-harm	16 Breast cancer	266 (166 to 364)	102 (52.5 to 151)	28.4 (8.46 to 51.1)
17 Protein-energy malnutrition	17 Alzheimer's disease	299 (186 to 473)	120 (61.1 to 207)	3.52 (-0.082 to 6.73)
18 Liver cancer	18 Cervical cancer	113 (77.6 to 153)	18.1 (-0.721 to 41.1)	-23.9 (-34.6 to -9.51)
19 Maternal disorders	19 Urinary diseases	187 (144 to 242)	58.6 (37.8 to 86.5)	5.46 (-5.43 to 19.3)
20 Cervical cancer	20 Ileus & obstruction	128 (83.8 to 179)	26.1 (2.53 to 56.3)	-12.7 (-27.9 to 5.03)
25 Ileus & obstruction	21 Congenital defects			
26 Urinary diseases	30 Maternal disorders			
28 Breast cancer	33 Protein-energy malnutrition			
31 Alzheimer's disease	133 COVID-19			

### Rwanda, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	74.2 (40.3 to 111)	-6.61 (-23 to 11.1)	-50.8 (-59.3 to -40.6)
2 Neonatal disorders	2 Lower respiratory infect	62.2 (34.4 to 95.3)	-13 (-27.2 to 5.28)	-38.9 (-46.6 to -29.7)
3 Lower respiratory infect	3 Chronic kidney disease	253 (169 to 348)	89.2 (48.9 to 137)	7.15 (-16.3 to 39)
4 HIV/AIDS	4 Ischemic heart disease	70.2 (19.8 to 136)	-8.69 (-36 to 26.5)	-52 (-66.8 to -29.3)
5 Tuberculosis	5 Cirrhosis liver	81.7 (53.5 to 116)	-2.6 (-16.5 to 12.9)	-40.9 (-48.7 to -32.1)
6 Ischemic heart disease	6 Hypertensive heart disease	187 (124 to 264)	54 (21.4 to 89.5)	-27.8 (-43 to -8.39)
7 Road injuries	7 Diabetes	117 (69.3 to 173)	16.6 (-8.87 to 45.8)	-35.3 (-48.6 to -18.9)
8 Cirrhosis liver	8 Road injuries	70 (15.4 to 150)	-8.79 (-38.6 to 31.4)	-31.9 (-53.7 to -1.22)
9 Malaria	9 Alzheimer's disease	366 (229 to 509)	149 (86.3 to 219)	-2.3 (-5.25 to 0.673)
10 Conflict & terror	10 COPD	137 (84.4 to 194)	27 (-1.26 to 51.4)	-36.1 (-48.4 to -22.1)
11 Diarrheal diseases	11 Diarrheal diseases	31.4 (-19.3 to 94.1)	-29.6 (-55.4 to 1.87)	-38.4 (-57 to -13.4)
12 Diabetes	12 Neonatal disorders	-42.2 (-57.7 to -24.8)	-69.1 (-76 to -60.6)	-46.6 (-57.4 to -34.2)
13 COVID-19	13 Tuberculosis	-7.71 (-32.6 to 24.6)	-50.5 (-64.2 to -33)	-68.8 (-77.2 to -57.9)
14 Chronic kidney disease	14 Breast cancer	223 (136 to 318)	72.7 (36.4 to 115)	2.41 (-12.7 to 22)
15 Hypertensive heart disease	15 Urinary diseases	267 (206 to 344)	96.6 (64.4 to 126)	13.9 (3.21 to 27.3)
16 Congenital defects	16 Falls	223 (149 to 301)	72.7 (40 to 107)	-6.36 (-10.7 to -1.77)
17 COPD	17 Prostate cancer	336 (198 to 474)	133 (72.8 to 203)	17.5 (-4.93 to 42.2)
18 Meningitis	18 Self-harm	114 (79.9 to 158)	14.9 (-2.86 to 33.9)	-21.2 (-32.2 to -8.87)
19 Self-harm	19 Colorectal cancer	284 (162 to 417)	105 (50.1 to 162)	13.7 (-8.66 to 37.5)
20 Breast cancer	20 Esophageal cancer	164 (124 to 214)	41.6 (24.2 to 59.4)	-21.8 (-29.3 to -13.5)
23 Alzheimer's disease	24 HIV/AIDS			
25 Esophageal cancer	27 Meningitis			
26 Falls	28 Congenital defects			
27 Urinary diseases	68 Conflict & terror			
32 Colorectal cancer	71 Malaria			
33 Prostate cancer	134 COVID-19			

### Somalia, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Lower respiratory infect	50.3 (-3.85 to 114)	<b>-26.4 (-41.3 to -7.82)</b>	-9.79 (-24.8 to 12.3)
2 Tuberculosis	2 Neonatal disorders	-1.14 (-39.1 to 60.7)	<b>-51.6 (-65.1 to -27.7)</b>	<b>-33.8 (-52 to -1.83)</b>
3 Measles	3 Diarrheal diseases	18 (-37.6 to 132)	-42.2 (-64.7 to 7.35)	-27 (-52.2 to 40.8)
4 Lower respiratory infect	4 Tuberculosis	-8.23 (-48.6 to 67.4)	<b>-54.9 (-72 to -21)</b>	<b>-61.8 (-75.8 to -30)</b>
5 Diarrheal diseases	5 Stroke	<b>129 (45.7 to 246)</b>	12.3 (-13.9 to 51)	-19.2 (-44.9 to 28.6)
6 Stroke	6 Ischemic heart disease	<b>172 (31.6 to 491)</b>	33.7 (-26.6 to 168)	-6.59 (-52.4 to 103)
7 Congenital defects	7 Chronic kidney disease	<b>220 (106 to 383)</b>	<b>57.2 (18.8 to 119)</b>	20.6 (-13.3 to 81)
8 Meningitis	8 Cirrhosis liver	<b>92.2 (27.5 to 180)</b>	-5.67 (-23.4 to 20.4)	<b>-28.8 (-43.7 to -6.38)</b>
9 Pertussis	9 Diabetes	<b>186 (65.2 to 395)</b>	40.2 (-6.47 to 121)	6.92 (-33.7 to 85.7)
10 Cirrhosis liver	10 Road injuries	103 (-8.84 to 315)	-0.278 (-48.1 to 99.1)	-18.7 (-54.7 to 53.9)
11 Protein-energy malnutrition	11 Pertussis	29.8 (-27.3 to 117)	-36.6 (-60.4 to 2.37)	-19.8 (-48.7 to 27.3)
12 Maternal disorders	12 Interpersonal violence	<b>74.2 (2.1 to 160)</b>	-14.7 (-37.4 to 10.5)	<b>-23.6 (-41.1 to -3.31)</b>
13 Road injuries	13 Hypertensive heart disease	<b>162 (63.9 to 303)</b>	28.4 (-0.311 to 80.5)	-18.7 (-43.2 to 30.9)
14 COVID-19	14 COPD	<b>190 (91.7 to 311)</b>	<b>42.8 (13.4 to 80.3)</b>	-5.35 (-28.8 to 36.8)
15 Ischemic heart disease	15 Meningitis	6.58 (-42 to 76.9)	<b>-47.6 (-66.6 to -17.3)</b>	<b>-43.4 (-60.9 to -14.7)</b>
16 Interpersonal violence	16 Congenital defects	-0.116 (-36.5 to 44.6)	<b>-51.1 (-60.7 to -37.9)</b>	<b>-34.7 (-47.5 to -18.2)</b>
17 Tetanus	17 Maternal disorders	-5.62 (-51.8 to 72.6)	<b>-53.7 (-73 to -19.7)</b>	<b>-58.6 (-74.5 to -29.5)</b>
18 Diabetes	18 Cervical cancer	<b>99.7 (26.1 to 186)</b>	-2.09 (-22.3 to 23.8)	<b>-26 (-41.7 to -6.17)</b>
19 Conflict & terror	19 Conflict & terror	82.3 (-91 to 829)	-10.2 (-95.9 to 362)	-11.8 (-96 to 351)
20 Chronic kidney disease	20 Protein-energy malnutrition	-34.4 (-74.5 to 82.4)	<b>-67.7 (-86 to -13.6)</b>	-53.2 (-78 to 20.1)
22 Hypertensive heart disease	21 Measles			
25 COPD	36 Tetanus			
26 Cervical cancer	134 COVID-19			



### South Sudan, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Diarrheal diseases	10.4 (-47.8 to 100)	<b>-50.5 (-74.7 to -9.03)</b>	-33.7 (-67.3 to 32.5)
2 Diarrheal diseases	2 Neonatal disorders	-22.3 (-52.4 to 25.2)	<b>-65.3 (-77.4 to -44.3)</b>	<b>-54.1 (-69.9 to -26.1)</b>
3 Lower respiratory infect	3 Lower respiratory infect	7.21 (-21.3 to 32.6)	<b>-52.1 (-61.9 to -40.8)</b>	<b>-39.4 (-51.1 to -23.7)</b>
4 Malaria	4 Stroke	<b>91.9 (35.1 to 164)</b>	-14.2 (-37 to 16)	-32 (-55.7 to 10.1)
5 Tuberculosis	5 Chronic kidney disease	<b>256 (135 to 410)</b>	<b>59.2 (10.3 to 124)</b>	36.3 (-16.3 to 119)
6 Stroke	6 Ischemic heart disease	95.5 (-7.13 to 280)	-12.5 (-56.3 to 76.7)	-29.8 (-69.9 to 54.6)
7 HIV/AIDS	7 Diabetes	<b>132 (52.3 to 237)</b>	3.9 (-28.4 to 53.5)	-11.6 (-44.8 to 49.9)
8 Congenital defects	8 Malaria	-54.4 (-95.6 to 147)	-78.8 (-97.9 to 12.1)	-75.9 (-97 to 44.4)
9 Protein-energy malnutrition	9 Tuberculosis	-30.1 (-64.7 to 31.4)	<b>-68.7 (-83.8 to -39.6)</b>	<b>-70.1 (-85.1 to -39.9)</b>
10 Ischemic heart disease	10 Cirrhosis liver	<b>68.7 (29.9 to 113)</b>	<b>-24.6 (-39.4 to -5.83)</b>	<b>-36.6 (-50.5 to -16.7)</b>
11 Meningitis	11 Congenital defects	2.43 (-26.3 to 33.2)	<b>-54.3 (-64.3 to -40.8)</b>	<b>-42.3 (-53.7 to -25)</b>
12 Cirrhosis liver	12 Interpersonal violence	<b>72.4 (31.1 to 118)</b>	<b>-23 (-36.2 to -6.58)</b>	<b>-29.1 (-40.1 to -14.5)</b>
13 Chronic kidney disease	13 Hypertensive heart disease	<b>122 (43.2 to 225)</b>	-0.718 (-32.5 to 45.4)	-26.8 (-55.1 to 22.6)
14 Diabetes	14 Road injuries	26.5 (-38.4 to 149)	-43.4 (-70.8 to 22.1)	-47.8 (-72.3 to 7.23)
15 Maternal disorders	15 Maternal disorders	7.05 (-39.9 to 82)	<b>-52.1 (-71.8 to -17.7)</b>	<b>-57.9 (-75 to -30.3)</b>
16 Road injuries	16 COPD	<b>76.5 (25.8 to 134)</b>	-21.2 (-39.9 to 0.473)	<b>-42.6 (-61.1 to -14.6)</b>
17 Interpersonal violence	17 Meningitis	-20.1 (-51.8 to 36.4)	<b>-64.3 (-77.1 to -37.1)</b>	<b>-54.9 (-69.9 to -24.9)</b>
18 Conflict & terror	18 Self-harm	<b>107 (58.7 to 165)</b>	-7.4 (-25.4 to 17.2)	<b>-22.5 (-37.6 to -1.78)</b>
19 STIs	19 Urinary diseases	<b>170 (119 to 231)</b>	<b>20.6 (3.93 to 40.1)</b>	1.81 (-16 to 24.9)
20 Hypertensive heart disease	20 Alzheimer's disease	<b>264 (102 to 446)</b>	62.3 (-5.81 to 133)	<b>8.35 (4.16 to 13.3)</b>
21 COPD	22 Protein-energy malnutrition			
24 Self-harm	31 STIs			
29 Urinary diseases	32 HIV/AIDS			
37 Alzheimer's disease	35 Conflict & terror			

### Uganda, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Lower respiratory infect	46.6 (16 to 77.1)	-27.2 (-40.6 to -13.6)	-40.7 (-48.8 to -32.2)
2 HIV/AIDS	2 Stroke	63.8 (24.9 to 104)	-18.7 (-33.9 to -2.3)	-54.3 (-63 to -44.9)
3 Malaria	3 Neonatal disorders	-40 (-56.7 to -19.4)	-70.3 (-76.7 to -61.7)	-52.8 (-62.5 to -41.4)
4 Lower respiratory infect	4 Chronic kidney disease	220 (136 to 315)	59 (24 to 103)	-3.35 (-23.5 to 23.4)
5 COVID-19	5 Ischemic heart disease	65.8 (12.6 to 130)	-17.7 (-43 to 19.5)	-54.1 (-67.8 to -35.9)
6 Stroke	6 Diabetes	123 (65.1 to 178)	10.5 (-16.3 to 39.1)	-36.4 (-51.4 to -19.4)
7 Tuberculosis	7 Diarrheal diseases	32.8 (-14.9 to 85.6)	-34 (-56.6 to -6.52)	-38.7 (-54.1 to -16)
8 Ischemic heart disease	8 Cirrhosis liver	93 (56.8 to 133)	-4.11 (-19.3 to 13.6)	-41 (-49.2 to -31.3)
9 Diarrheal diseases	9 Road injuries	63 (3.44 to 160)	-19.1 (-46.2 to 19.4)	-37.4 (-56.4 to -8.01)
10 Congenital defects	10 Tuberculosis	-9.36 (-36.5 to 25.8)	-55 (-68.6 to -38.5)	-69.9 (-77.6 to -58.7)
11 Road injuries	11 Hypertensive heart disease	200 (123 to 275)	49.1 (16.7 to 86.3)	-24.2 (-40.8 to -3.97)
12 Diabetes	12 Prostate cancer	328 (214 to 463)	113 (56.6 to 169)	13.9 (-9.45 to 41.1)
13 Cirrhosis liver	13 Breast cancer	280 (201 to 373)	88.7 (50.3 to 133)	12.5 (-5.5 to 31.1)
14 Measles	14 Alzheimer's disease	339 (220 to 450)	118 (62.8 to 162)	0.476 (-2.98 to 4.05)
15 Chronic kidney disease	15 HIV/AIDS	-70.2 (-77.5 to -61.4)	-85.2 (-88.4 to -81.1)	-88.8 (-91.3 to -84.9)
16 Meningitis	16 COPD	114 (66.3 to 165)	6.34 (-14.9 to 28.4)	-42.8 (-53.2 to -28.5)
17 Hypertensive heart disease	17 Esophageal cancer	189 (141 to 237)	43.5 (25.1 to 59.2)	-19.5 (-27.2 to -12)
18 COPD	18 Colorectal cancer	320 (207 to 445)	109 (57.9 to 165)	19.5 (-4.38 to 45.8)
19 Protein-energy malnutrition	19 Self-harm	138 (93.2 to 189)	18.3 (-0.673 to 39.9)	-19.8 (-30.9 to -7.61)
20 STIs	20 Urinary diseases	259 (197 to 329)	78.4 (52.6 to 103)	12.6 (0.933 to 25.1)
22 Self-harm	22 Congenital defects			
23 Breast cancer	25 Malaria			
25 Prostate cancer	26 Meningitis			
26 Esophageal cancer	35 Protein-energy malnutrition			
29 Alzheimer's disease	48 STIs			
31 Urinary diseases	88 Measles			
36 Colorectal cancer	136 COVID-19			

### Tanzania, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	66.2 (31.6 to 107)	-4.81 (-24.1 to 14.1)	-48.3 (-57.4 to -36.1)
2 Neonatal disorders	2 Lower respiratory infect	26 (2.37 to 51.2)	-27.8 (-40.7 to -14.9)	-38.4 (-46.2 to -28.3)
3 Lower respiratory infect	3 Ischemic heart disease	66.5 (13.8 to 129)	-4.54 (-32.8 to 34.9)	-46.9 (-63.9 to -24.8)
4 Stroke	4 Chronic kidney disease	251 (163 to 348)	101 (55.3 to 152)	19.2 (-5.15 to 49.8)
5 Ischemic heart disease	5 Hypertensive heart disease	191 (118 to 266)	66.6 (29 to 106)	-16.2 (-34 to 6.2)
6 Diarrheal diseases	6 Diarrheal diseases	25.6 (-9.48 to 72.1)	-28.1 (-49 to -2.39)	-39.6 (-55.8 to -18)
7 Tuberculosis	7 Diabetes	139 (85.3 to 203)	37 (6.26 to 69.6)	-19.9 (-35.9 to 1.81)
8 Malaria	8 Cirrhosis liver	98.1 (64.9 to 136)	13.5 (-2.84 to 34.3)	-30.8 (-40.3 to -18.6)
9 Congenital defects	9 Neonatal disorders	-44.8 (-58.2 to -29.4)	-68.5 (-74.9 to -60.6)	-49.7 (-58.9 to -37.1)
10 Cirrhosis liver	10 Alzheimer's disease	280 (179 to 389)	117 (65.5 to 164)	-0.0245 (-3.06 to 3.3)
11 Chronic kidney disease	11 Tuberculosis	-17.6 (-43.2 to 11.3)	-52.8 (-65.6 to -34.6)	-68.3 (-77 to -55.5)
12 Diabetes	12 Breast cancer	231 (144 to 338)	89.3 (48.5 to 136)	15.9 (-2.6 to 36.9)
13 Hypertensive heart disease	13 HIV/AIDS	-66.4 (-78.2 to -52)	-80.7 (-87 to -72.8)	-83.4 (-88.9 to -76.7)
14 Road injuries	14 Road injuries	37.2 (-10 to 107)	-21.3 (-46.5 to 26.8)	-39.5 (-58 to -4.24)
15 Maternal disorders	15 COPD	110 (68.1 to 161)	20 (-3.71 to 46.1)	-36.6 (-48.5 to -22.2)
16 Meningitis	16 Urinary diseases	217 (161 to 280)	81.3 (54.8 to 106)	11.9 (-0.524 to 25.2)
17 COPD	17 Colorectal cancer	272 (160 to 389)	112 (56.8 to 179)	21.7 (-4.08 to 48.7)
18 Protein-energy malnutrition	18 Falls	158 (104 to 222)	47.9 (22.3 to 74.2)	-8.77 (-13.9 to -3.36)
19 STIs	19 Prostate cancer	264 (155 to 382)	108 (50.4 to 164)	10.5 (-9.15 to 31.6)
20 Alzheimer's disease	20 Congenital defects	-30.7 (-46.7 to -11.8)	-60.4 (-66.5 to -50.5)	-39.9 (-48.4 to -26.3)
21 Breast cancer	28 Meningitis			
25 Falls	33 Maternal disorders			
29 Urinary diseases	36 Protein-energy malnutrition			
31 Colorectal cancer	51 STIs			
33 Prostate cancer	62 Malaria			

### Zambia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	93.2 (55.1 to 137)	5.53 (-11.4 to 27)	-44.5 (-53.2 to -32.4)
2 Neonatal disorders	2 Chronic kidney disease	287 (191 to 401)	111 (66.3 to 167)	27.6 (1.39 to 60.4)
3 Stroke	3 Lower respiratory infect	51.4 (20.4 to 83.7)	-17.3 (-30.2 to -1.99)	-33.5 (-40.8 to -24.7)
4 COVID-19	4 Hypertensive heart disease	251 (168 to 349)	91.9 (52 to 141)	-6.08 (-26.4 to 20.1)
5 Lower respiratory infect	5 Ischemic heart disease	90.4 (32.6 to 162)	4.01 (-26.7 to 38.5)	-45 (-61.4 to -23.1)
6 Malaria	6 Cirrhosis liver	119 (75.5 to 160)	19.4 (0.2 to 38.7)	-29.8 (-38.9 to -17.9)
7 Ischemic heart disease	7 HIV/AIDS	-63.8 (-72.3 to -53.1)	-80.2 (-84.1 to -74.9)	-83.5 (-87 to -78.1)
8 Diarrheal diseases	8 Diabetes	134 (82.8 to 198)	27.7 (1.88 to 55.1)	-28.3 (-42.9 to -9.63)
9 Cirrhosis liver	9 Neonatal disorders	-31 (-48.1 to -9.52)	-62.4 (-69.9 to -52.5)	-42.4 (-53 to -30.1)
10 Chronic kidney disease	10 Diarrheal diseases	13.5 (-22.8 to 58.9)	-38.1 (-56.6 to -15.9)	-42.6 (-57.7 to -22.5)
11 Congenital defects	11 Breast cancer	239 (162 to 346)	84.9 (44.3 to 133)	11 (-6.63 to 29.4)
12 Hypertensive heart disease	12 Road injuries	69.1 (11.5 to 167)	-7.64 (-39 to 46.4)	-31.6 (-53.2 to 4.07)
13 Diabetes	13 Prostate cancer	288 (186 to 411)	112 (63.4 to 167)	4.57 (-14.4 to 23.5)
14 Tuberculosis	14 COPD	151 (99.4 to 218)	37.1 (11.9 to 69.2)	-30.3 (-42.6 to -15.7)
15 Road injuries	15 Idiopathic epilepsy	116 (60 to 188)	17.8 (-9.93 to 56.9)	-3.87 (-25.3 to 27.7)
16 Meningitis	16 Esophageal cancer	215 (160 to 275)	72.3 (47.4 to 103)	-9.87 (-20.4 to -1.06)
17 Interpersonal violence	17 Self-harm	125 (82.6 to 174)	23.1 (5.57 to 46.5)	-16.7 (-27.9 to -3.65)
18 Idiopathic epilepsy	18 Colorectal cancer	291 (175 to 416)	114 (55.2 to 175)	17 (-7.47 to 42.7)
19 Self-harm	19 Urinary diseases	241 (181 to 309)	86.1 (62.4 to 117)	11.3 (0.74 to 22.5)
20 COPD	20 Cervical cancer	145 (98.1 to 196)	33.7 (13 to 59.1)	-21.4 (-31.1 to -8.09)
21 Breast cancer	22 Interpersonal violence			
22 Cervical cancer	24 Tuberculosis			
24 Esophageal cancer	25 Congenital defects			
28 Urinary diseases	28 Meningitis			
29 Prostate cancer	38 Malaria			
30 Colorectal cancer	136 COVID-19			

### Botswana, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	80.5 (47.9 to 121)	41.7 (21.8 to 65.3)	-27.8 (-36.1 to -18.6)
2 COVID-19	2 Stroke	69.4 (32.2 to 107)	33 (10.7 to 54.7)	-49.2 (-56.9 to -40.2)
3 Stroke	3 Hypertensive heart disease	237 (154 to 321)	165 (106 to 230)	-2.54 (-23.5 to 22.5)
4 Lower respiratory infect	4 Diabetes	121 (70.6 to 179)	73.7 (39.6 to 109)	-29 (-42.6 to -12.6)
5 Ischemic heart disease	5 Ischemic heart disease	64.6 (13.5 to 114)	29.3 (-7.96 to 70.9)	-48.5 (-63.3 to -29.6)
6 Neonatal disorders	6 Chronic kidney disease	245 (163 to 330)	171 (114 to 234)	16.8 (-4.24 to 46.4)
7 Tuberculosis	7 COPD	202 (131 to 264)	137 (93.4 to 184)	-10.7 (-25.3 to 7.71)
8 Diabetes	8 HIV/AIDS	-80.9 (-86.2 to -73.6)	-85 (-88.6 to -79.5)	-88.1 (-90.8 to -84.5)
9 Diarrheal diseases	9 Alzheimer's disease	347 (234 to 464)	250 (173 to 314)	3.32 (-0.279 to 7.26)
10 Hypertensive heart disease	10 Prostate cancer	299 (192 to 428)	212 (139 to 293)	17.8 (-3.65 to 41.8)
11 Road injuries	11 Lung cancer	189 (113 to 266)	127 (72.3 to 177)	0.476 (-16.5 to 17.7)
12 COPD	12 Tuberculosis	-28.9 (-48.1 to -5.83)	-44.1 (-59.3 to -25.3)	-67.3 (-76.2 to -55.3)
13 Chronic kidney disease	13 Neonatal disorders	-35 (-51.7 to -16)	-49.1 (-59.5 to -36.1)	-16.8 (-31.5 to -0.748)
14 Cirrhosis liver	14 Cirrhosis liver	79.7 (48.5 to 113)	41.1 (20.4 to 62.3)	-26 (-34.5 to -15.7)
15 Self-harm	15 Breast cancer	175 (103 to 256)	116 (68.3 to 174)	4.73 (-11 to 22.3)
16 Interpersonal violence	16 Colorectal cancer	248 (148 to 354)	173 (108 to 246)	17.1 (-2.92 to 38.1)
17 Lung cancer	17 Diarrheal diseases	-36.6 (-56.9 to -12.1)	-50.2 (-64.7 to -31.1)	-66.1 (-74.8 to -52.7)
18 Breast cancer	18 Road injuries	8.47 (-30.6 to 64.3)	-14.7 (-44.9 to 36.4)	-28.8 (-56 to 21.5)
19 Asthma	19 Esophageal cancer	180 (130 to 238)	120 (93.5 to 152)	-3.4 (-12.2 to 5.6)
20 Prostate cancer	20 Cardiomyopathy	144 (97.4 to 192)	91.7 (60.5 to 118)	-18.9 (-23.5 to -14)
21 Alzheimer's disease	22 Self-harm			
23 Cardiomyopathy	27 Asthma			
25 Colorectal cancer	28 Interpersonal violence			
26 Esophageal cancer	132 COVID-19			

### Eswatini, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	16.1 (-5.39 to 43.7)	1.98 (-13.8 to 20.9)	-32 (-39.7 to -23)
2 COVID-19	2 Stroke	25.3 (-1.92 to 54.9)	10 (-10.3 to 34)	-47 (-55.6 to -37.6)
3 Lower respiratory infect	3 Diabetes	<b>41.3 (7.47 to 77.2)</b>	24.2 (-3.51 to 57.9)	-37.5 (-49.9 to -22.8)
4 Stroke	4 HIV/AIDS	<b>-73.1 (-78.7 to -65.4)</b>	<b>-76.4 (-80.2 to -70.4)</b>	<b>-79.8 (-82.9 to -75.8)</b>
5 Tuberculosis	5 Chronic kidney disease	<b>168 (110 to 242)</b>	<b>136 (86.5 to 196)</b>	<b>28.6 (4.6 to 58.6)</b>
6 Diabetes	6 Hypertensive heart disease	<b>139 (83.1 to 205)</b>	<b>110 (64.1 to 168)</b>	-3.9 (-25.4 to 20)
7 Road injuries	7 Ischemic heart disease	28.4 (-7.32 to 73.8)	12.9 (-17.7 to 52.1)	<b>-45 (-60.3 to -24.4)</b>
8 Ischemic heart disease	8 Road injuries	-1.98 (-37.8 to 58.3)	-13.7 (-46.8 to 40.1)	-28.6 (-56.3 to 17.2)
9 Neonatal disorders	9 COPD	<b>79.5 (38.7 to 117)</b>	<b>57.7 (25.1 to 93.1)</b>	<b>-23.1 (-36.6 to -7.41)</b>
10 Diarrheal diseases	10 Tuberculosis	<b>-40.8 (-56.6 to -20.5)</b>	<b>-48 (-62.2 to -31.4)</b>	<b>-66 (-74.9 to -54.2)</b>
11 Chronic kidney disease	11 Cirrhosis liver	<b>40 (15.8 to 70)</b>	<b>23 (5.51 to 42.5)</b>	<b>-28 (-35.2 to -19.5)</b>
12 Hypertensive heart disease	12 Liver cancer	<b>123 (71.1 to 185)</b>	<b>96.1 (55.7 to 148)</b>	8.95 (-12.1 to 35.2)
13 COPD	13 Neonatal disorders	<b>-36.2 (-53.2 to -15.6)</b>	<b>-44.1 (-55.8 to -29)</b>	-11.6 (-27.8 to 7.42)
14 Interpersonal violence	14 Self-harm	17.8 (-5.37 to 41.6)	3.39 (-12.3 to 20)	<b>-18 (-30.4 to -2.62)</b>
15 Cirrhosis liver	15 Lung cancer	<b>97.1 (49.8 to 157)</b>	<b>72.8 (36.5 to 117)</b>	-10.2 (-24.7 to 5.48)
16 Self-harm	16 Diarrheal diseases	<b>-42.9 (-61.1 to -19.6)</b>	<b>-49.8 (-65.8 to -30.4)</b>	<b>-54.9 (-66.6 to -37.9)</b>
17 Cervical cancer	17 Esophageal cancer	<b>107 (63.3 to 151)</b>	<b>81.9 (50.2 to 117)</b>	-7.77 (-18 to 1.38)
18 Liver cancer	18 Breast cancer	<b>111 (58.1 to 182)</b>	<b>84.9 (44.2 to 135)</b>	1.28 (-13.4 to 15.8)
19 Lung cancer	19 Cervical cancer	<b>50.9 (19.2 to 83.7)</b>	<b>32.5 (11.5 to 58.6)</b>	<b>-26.2 (-35 to -15)</b>
20 Asthma	20 Colorectal cancer	<b>141 (70.5 to 239)</b>	<b>111 (58.7 to 183)</b>	9.93 (-10.5 to 33.7)
21 Esophageal cancer	21 Interpersonal violence			
22 Breast cancer	27 Asthma			
25 Colorectal cancer	132 COVID-19			

### Lesotho, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	16.2 (-1.38 to 35.7)	-1.95 (-17.9 to 14.1)	<b>-20.3 (-28.4 to -10.4)</b>
2 Tuberculosis	2 Stroke	6.47 (-16.7 to 28.7)	-10.1 (-28.4 to 6.85)	<b>-37.2 (-46.8 to -25.7)</b>
3 Stroke	3 Tuberculosis	<b>-36.6 (-53.6 to -15.2)</b>	<b>-46.4 (-60.6 to -27.9)</b>	<b>-61.2 (-71.2 to -48.1)</b>
4 Lower respiratory infect	4 Diabetes	<b>34 (3.77 to 68)</b>	13.2 (-12.6 to 42)	-17.6 (-33.1 to 2.34)
5 Diarrheal diseases	5 Diarrheal diseases	-13.7 (-39.8 to 18)	-27 (-50.4 to 3.85)	-27.3 (-47.3 to 0.642)
6 Neonatal disorders	6 Hypertensive heart disease	<b>78.7 (35.3 to 126)</b>	<b>51 (13.9 to 91)</b>	-2.62 (-23 to 21.2)
7 Diabetes	7 Road injuries	6.6 (-30.8 to 66.7)	-9.85 (-43.2 to 43.2)	-26 (-53.3 to 17.5)
8 COVID-19	8 Chronic kidney disease	<b>119 (71.9 to 174)</b>	<b>84.9 (43.5 to 131)</b>	<b>36 (8.69 to 69.4)</b>
9 Road injuries	9 Ischemic heart disease	19.9 (-14.9 to 62.9)	1.33 (-29.1 to 37.1)	<b>-31.1 (-51.4 to -5.13)</b>
10 Ischemic heart disease	10 COPD	<b>50.3 (18.3 to 83.7)</b>	26.9 (-0.00231 to 54)	-9 (-24.8 to 10.7)
11 Interpersonal violence	11 HIV/AIDS	<b>-87.8 (-92.1 to -83.7)</b>	<b>-89.7 (-92.9 to -86.4)</b>	<b>-89.9 (-93.2 to -86.7)</b>
12 Hypertensive heart disease	12 Neonatal disorders	<b>-44.2 (-58.2 to -27.9)</b>	<b>-53 (-63.5 to -40.8)</b>	<b>-30.2 (-42.5 to -15.9)</b>
13 COPD	13 Cirrhosis liver	<b>27.9 (8.1 to 49.6)</b>	7.96 (-9.12 to 24.5)	<b>-27.8 (-35.4 to -19.2)</b>
14 Cirrhosis liver	14 Interpersonal violence	-20.3 (-34.1 to 2.01)	<b>-32.9 (-40.3 to -23.7)</b>	<b>-37.5 (-44.2 to -27.9)</b>
15 Chronic kidney disease	15 Lung cancer	<b>98.1 (49.3 to 156)</b>	<b>66.8 (27.9 to 108)</b>	12.2 (-6.61 to 32.1)
16 Self-harm	16 Self-harm	<b>20.3 (1.36 to 43.3)</b>	1.54 (-14.7 to 17.6)	<b>-20.1 (-30.2 to -8.72)</b>
17 Cervical cancer	17 Cervical cancer	<b>37 (15.1 to 59.1)</b>	15.6 (-1.78 to 32.5)	<b>-23.3 (-32 to -13.7)</b>
18 Asthma	18 Liver cancer	<b>91.6 (49.2 to 140)</b>	<b>61.8 (24.9 to 103)</b>	9.17 (-11.9 to 35.7)
19 Lung cancer	19 Esophageal cancer	<b>91 (56.7 to 136)</b>	<b>61.1 (36 to 90.8)</b>	2.63 (-7.43 to 13.5)
20 Liver cancer	20 Breast cancer	<b>81 (38.8 to 130)</b>	<b>52.5 (17.3 to 93)</b>	4.09 (-12.3 to 20.2)
21 Esophageal cancer	26 Asthma			
23 Breast cancer	130 COVID-19			

### Namibia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Stroke	50 (22 to 86.2)	7.16 (-9.56 to 26.9)	-46.5 (-53.9 to -37.7)
2 COVID-19	2 Lower respiratory infect	67.9 (37 to 106)	19.9 (1.2 to 39)	-26.6 (-33.5 to -18.4)
3 Stroke	3 Hypertensive heart disease	216 (146 to 302)	126 (81.3 to 178)	7.53 (-15.6 to 35.4)
4 Lower respiratory infect	4 Ischemic heart disease	39.1 (2.29 to 88.1)	-0.624 (-24.8 to 30.8)	-48.8 (-61.9 to -30.3)
5 Ischemic heart disease	5 Diabetes	68.4 (32.3 to 115)	20.3 (-2.55 to 50.1)	-36 (-46.9 to -22.2)
6 Tuberculosis	6 COPD	114 (72.7 to 166)	53.3 (25.2 to 82.4)	-22.8 (-35.1 to -7.86)
7 Diabetes	7 Road injuries	34.3 (-14.3 to 108)	-4.04 (-36.2 to 45)	-20.8 (-48.8 to 21.2)
8 Diarrheal diseases	8 Chronic kidney disease	195 (126 to 270)	111 (69.5 to 160)	15.7 (-6.05 to 41.5)
9 Neonatal disorders	9 Cirrhosis liver	114 (73.9 to 155)	52.9 (32.7 to 76.2)	-8.13 (-18.3 to 4.74)
10 Road injuries	10 Tuberculosis	-21.8 (-43.6 to 2.8)	-44.2 (-57.5 to -24.9)	-63.5 (-72.4 to -50.8)
11 Hypertensive heart disease	11 Diarrheal diseases	-12.7 (-40.5 to 23.5)	-37.6 (-56.3 to -9.87)	-49.5 (-63.3 to -29.3)
12 COPD	12 Breast cancer	148 (90.4 to 214)	76.9 (41.4 to 121)	4.35 (-9.35 to 20.4)
13 Cirrhosis liver	13 Neonatal disorders	-25.9 (-44.5 to -5.74)	-47.1 (-58.4 to -33.5)	-21.3 (-35.3 to -3.21)
14 Interpersonal violence	14 Alzheimer's disease	242 (157 to 358)	144 (92.3 to 219)	-0.681 (-4.02 to 2.22)
15 Chronic kidney disease	15 Self-harm	64.7 (31.4 to 100)	17.6 (1.81 to 35.5)	-7.07 (-17.6 to 8.95)
16 Self-harm	16 Prostate cancer	198 (120 to 289)	113 (61.1 to 178)	6.95 (-12.5 to 26.9)
17 Breast cancer	17 HIV/AIDS	-84 (-89.3 to -74.6)	-88.6 (-92 to -81.6)	-90.2 (-92.8 to -85.1)
18 Asthma	18 Interpersonal violence	0.666 (-17.7 to 24.7)	-28.1 (-38.1 to -17.5)	-31.6 (-40.6 to -22)
19 Alzheimer's disease	19 Cardiomyopathy	113 (75.5 to 161)	52.5 (31.2 to 78.2)	-18.6 (-23.3 to -13.8)
20 Cardiomyopathy	20 Ileus & obstruction	131 (85.4 to 186)	64.7 (36.5 to 95.6)	-2.32 (-17.1 to 13.8)
21 Prostate cancer	24 Asthma			
26 Ileus & obstruction	132 COVID-19			



### South Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Diabetes	57.7 (34.1 to 88)	36.6 (20 to 57.4)	-29.9 (-39.3 to -18.1)
2 COVID-19	2 Lower respiratory infect	53 (31.2 to 73.2)	32.5 (20.5 to 43.1)	-23.4 (-29.4 to -17.1)
3 Stroke	3 Stroke	25.4 (8.55 to 43.5)	8.61 (-2.28 to 20)	-47.6 (-53.3 to -41.3)
4 Lower respiratory infect	4 Hypertensive heart disease	162 (114 to 211)	127 (95 to 164)	6.44 (-11.2 to 26.6)
5 Diabetes	5 Ischemic heart disease	23.1 (-3.48 to 53)	6.67 (-15.3 to 32.1)	-47.1 (-59 to -31.1)
6 Ischemic heart disease	6 Chronic kidney disease	163 (117 to 211)	128 (95.2 to 161)	19.9 (1.99 to 41.1)
7 Road injuries	7 COPD	109 (78.2 to 142)	81.2 (60.8 to 105)	-12.2 (-22.5 to -1.25)
8 Tuberculosis	8 HIV/AIDS	-73.5 (-78.4 to -68.8)	-77.1 (-80.1 to -74.2)	-79.6 (-82.1 to -77.4)
9 Interpersonal violence	9 Road injuries	1.18 (-28.6 to 45.2)	-12.3 (-37 to 28.7)	-18.2 (-42 to 22.8)
10 Hypertensive heart disease	10 Diarrheal diseases	32.8 (1.09 to 68.4)	15.1 (-10.6 to 43.1)	-27.4 (-44.4 to -4.48)
11 Neonatal disorders	11 Alzheimer's disease	189 (141 to 230)	150 (125 to 175)	-1.01 (-4.07 to 1.98)
12 Diarrheal diseases	12 Lung cancer	77.9 (43.7 to 112)	54 (29.7 to 76.3)	-15 (-26.4 to -3.55)
13 Chronic kidney disease	13 Prostate cancer	184 (130 to 247)	146 (102 to 193)	17.1 (0.771 to 34.7)
14 COPD	14 Tuberculosis	-30.4 (-46.1 to -11.8)	-39.7 (-51.8 to -23.9)	-59.8 (-68.3 to -48.2)
15 Lung cancer	15 Interpersonal violence	-27.2 (-39.3 to -15.6)	-37 (-43.2 to -30.2)	-36.4 (-43.2 to -29.2)
16 Self-harm	16 Neonatal disorders	-15 (-31.5 to 5.55)	-26.5 (-39 to -12.9)	5.64 (-11.8 to 23)
17 Cirrhosis liver	17 Breast cancer	90.3 (53.8 to 125)	64.7 (37.6 to 88.9)	-5.83 (-18.4 to 6.44)
18 Breast cancer	18 Cirrhosis liver	56.2 (35.6 to 76.7)	35.3 (24.5 to 45.9)	-15.4 (-22.3 to -9.13)
19 Alzheimer's disease	19 Colorectal cancer	127 (73.7 to 176)	96.1 (61.1 to 131)	4.33 (-12 to 21)
20 Cervical cancer	20 Endo/metab/blood/immune	97.3 (70.8 to 127)	70.8 (54.6 to 84.5)	15.4 (6.64 to 23.9)
21 Prostate cancer	22 Self-harm			
22 Endo/metab/blood/immune	26 Cervical cancer			
26 Colorectal cancer	132 COVID-19			

### Zimbabwe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	32.3 (10.9 to 60)	-6.16 (-18.5 to 12.6)	-20.7 (-30 to -8.39)
2 Lower respiratory infect	2 Stroke	50.2 (15.6 to 84.6)	6.62 (-14.1 to 30.4)	-33.4 (-46.5 to -14.2)
3 COVID-19	3 Ischemic heart disease	75.2 (21 to 145)	24.4 (-12.4 to 75.8)	-22.5 (-47.1 to 13.5)
4 Tuberculosis	4 Tuberculosis	-27.9 (-50.2 to -0.229)	-48.8 (-63.2 to -27)	-61.1 (-71.7 to -44.5)
5 Neonatal disorders	5 Chronic kidney disease	188 (118 to 263)	104 (61.9 to 162)	39.6 (10.5 to 81.5)
6 Stroke	6 Diabetes	79.5 (34.1 to 130)	27.5 (-1.34 to 65.5)	-16 (-36.3 to 11.2)
7 Ischemic heart disease	7 Diarrheal diseases	34.1 (-20.7 to 92.1)	-4.95 (-40 to 38)	-6.66 (-31.2 to 28.2)
8 Diarrheal diseases	8 Hypertensive heart disease	145 (88.6 to 207)	73.8 (38.6 to 120)	2.54 (-20.1 to 30.7)
9 Diabetes	9 Neonatal disorders	-50.8 (-64.6 to -31.7)	-65.2 (-72.8 to -53.3)	-51.4 (-60.5 to -37.7)
10 Malaria	10 Self-harm	38.9 (8.49 to 73.5)	-1.51 (-17.1 to 21.3)	-19.8 (-31.8 to -3.51)
11 Road injuries	11 Road injuries	22.6 (-28.9 to 106)	-12.9 (-46.7 to 51.1)	-28.6 (-54.2 to 17.7)
12 Protein-energy malnutrition	12 Cirrhosis liver	36.5 (11.2 to 61.9)	-3.15 (-17.6 to 14.5)	-33.7 (-42.2 to -22.3)
13 Self-harm	13 HIV/AIDS	-82.3 (-86.4 to -77.1)	-87.4 (-89.8 to -83.8)	-87.8 (-90.4 to -84.1)
14 Chronic kidney disease	14 COPD	115 (71.1 to 163)	52.9 (24.6 to 86.7)	-9 (-25.5 to 11.9)
15 Hypertensive heart disease	15 Prostate cancer	170 (86.5 to 266)	91.5 (32.7 to 158)	6.82 (-16.1 to 29.6)
16 Cirrhosis liver	16 Cervical cancer	53.4 (20.9 to 86.8)	8.93 (-9.92 to 33.2)	-25 (-35.6 to -11.3)
17 Cervical cancer	17 Breast cancer	107 (49.1 to 175)	46.7 (8.72 to 88.4)	1.1 (-18.8 to 20.8)
18 Interpersonal violence	18 Liver cancer	123 (69.5 to 183)	58 (24.9 to 103)	4.22 (-16.9 to 36.8)
19 Congenital defects	19 Esophageal cancer	110 (66.9 to 149)	48.9 (28.2 to 72.9)	-7.38 (-15.3 to 3.35)
20 Asthma	20 Lung cancer	138 (74.5 to 211)	68.9 (25.5 to 117)	7.96 (-12.1 to 27.8)
22 COPD	21 Protein-energy malnutrition			
24 Breast cancer	28 Interpersonal violence			
25 Esophageal cancer	29 Asthma			
26 Liver cancer	31 Congenital defects			
27 Prostate cancer	46 Malaria			
29 Lung cancer	133 COVID-19			

### Benin, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Malaria	58 (-85.4 to 677)	-23.4 (-92.7 to 288)	-22.7 (-91.7 to 283)
2 Neonatal disorders	2 Stroke	83 (41.7 to 126)	-12.9 (-30 to 5.48)	-44.4 (-54.2 to -30.5)
3 Lower respiratory infect	3 Neonatal disorders	-23.9 (-43.7 to -1.63)	-63.9 (-71.5 to -53.3)	-43.9 (-54.9 to -28.2)
4 Stroke	4 Lower respiratory infect	28 (3.81 to 56.9)	-39.1 (-49.6 to -26.4)	-38.6 (-47.3 to -26.4)
5 Diarrheal diseases	5 Chronic kidney disease	304 (217 to 410)	92.2 (48 to 142)	36.6 (9.85 to 74.2)
6 Ischemic heart disease	6 Ischemic heart disease	84.1 (32.9 to 154)	-12.4 (-37.7 to 15.9)	-44.3 (-60.5 to -24.3)
7 Congenital defects	7 Diabetes	130 (78.7 to 189)	9.53 (-17.5 to 36.4)	-26.7 (-43.7 to -7.86)
8 Measles	8 Diarrheal diseases	-7.73 (-39.1 to 36.4)	-56.1 (-70.7 to -38.3)	-58.6 (-68.3 to -45.4)
9 Road injuries	9 Cirrhosis liver	86.6 (55.8 to 127)	-11.2 (-25.7 to 6.81)	-37.5 (-45.9 to -25.5)
10 Chronic kidney disease	10 Road injuries	50.1 (-8.08 to 155)	-28.5 (-56.5 to 16)	-38.2 (-60.1 to -2.48)
11 HIV/AIDS	11 Hypertensive heart disease	159 (103 to 231)	23.5 (-5.49 to 56.9)	-24.8 (-40.4 to -4.47)
12 Cirrhosis liver	12 Congenital defects	-14.6 (-32.9 to 10)	-59.5 (-65.7 to -50.1)	-40.6 (-48.3 to -30.6)
13 Tuberculosis	13 Hemoglobinopathies	38.7 (7.35 to 74.5)	-34.2 (-46.5 to -21.1)	-27.1 (-35.8 to -18.5)
14 Diabetes	14 Liver cancer	185 (117 to 261)	35.6 (6.05 to 70.8)	-7.55 (-27.6 to 18.2)
15 Hemoglobinopathies	15 Alzheimer's disease	282 (190 to 373)	81.9 (40.3 to 119)	3.25 (-0.587 to 6.81)
16 Meningitis	16 Prostate cancer	291 (170 to 420)	86.1 (25.6 to 144)	14.6 (-10.5 to 43.9)
17 Maternal disorders	17 Falls	165 (112 to 221)	25.8 (4.6 to 49)	-7.04 (-12.9 to -0.948)
18 Hypertensive heart disease	18 Self-harm	127 (86.2 to 180)	8.28 (-10 to 31.2)	-19.6 (-32 to -5.18)
19 COPD	19 COPD	69.7 (31.9 to 109)	-19.3 (-37.6 to -1.32)	-49.2 (-59 to -37.7)
20 Pertussis	20 Breast cancer	280 (181 to 383)	80.5 (38.3 to 125)	24 (1.68 to 50.7)
24 Liver cancer	21 Tuberculosis			
25 Self-harm	22 Meningitis			
26 Falls	27 Maternal disorders			
30 Alzheimer's disease	33 Pertussis			
31 Prostate cancer	38 HIV/AIDS			
37 Breast cancer	83 Measles			

### Burkina Faso, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Malaria	10.9 (-94.8 to 523)	-48.9 (-97.7 to 193)	-50.2 (-96.6 to 221)
2 Lower respiratory infect	2 Lower respiratory infect	<b>23.3 (1.2 to 48.5)</b>	<b>-44.7 (-53.2 to -34.1)</b>	<b>-30.6 (-40.2 to -19.1)</b>
3 Neonatal disorders	3 Neonatal disorders	-8.53 (-31 to 19)	<b>-59 (-68.5 to -47.4)</b>	<b>-41.5 (-52.8 to -27.9)</b>
4 Diarrheal diseases	4 Stroke	<b>60 (27.4 to 92.9)</b>	<b>-28.2 (-44.2 to -14)</b>	<b>-41.3 (-52.7 to -28.5)</b>
5 Stroke	5 Diarrheal diseases	11.7 (-27.9 to 68)	<b>-49.9 (-67.3 to -24.5)</b>	<b>-35.5 (-54.5 to -8.5)</b>
6 Ischemic heart disease	6 Ischemic heart disease	<b>68 (14.4 to 131)</b>	-24.6 (-49 to 4.86)	<b>-40.3 (-58.7 to -17.4)</b>
7 Congenital defects	7 Chronic kidney disease	<b>169 (99.9 to 238)</b>	20.7 (-8.2 to 49.6)	3.97 (-20.2 to 31.6)
8 Tuberculosis	8 Road injuries	49.2 (-8.05 to 143)	-33.1 (-59.5 to 10.9)	<b>-39.8 (-60.6 to -4.53)</b>
9 Road injuries	9 Hypertensive heart disease	<b>115 (57.6 to 174)</b>	-3.47 (-27.3 to 21.8)	<b>-27.9 (-44.3 to -6.96)</b>
10 Chronic kidney disease	10 Congenital defects	-2.76 (-21.1 to 19.1)	<b>-56.5 (-62.8 to -48.6)</b>	<b>-40.2 (-47.9 to -30.5)</b>
11 Meningitis	11 Diabetes	<b>139 (84.6 to 199)</b>	6.98 (-18.8 to 33.7)	-10.5 (-30.2 to 13.9)
12 COVID-19	12 Cirrhosis liver	<b>79.9 (45.5 to 112)</b>	<b>-19.3 (-33.3 to -5.22)</b>	<b>-35 (-44.6 to -24.5)</b>
13 Hypertensive heart disease	13 Liver cancer	<b>159 (111 to 214)</b>	16.4 (-5.53 to 41.2)	-6.62 (-23.8 to 17.2)
14 iNTS	14 Tuberculosis	-15.8 (-42.9 to 20.1)	<b>-62.2 (-74.9 to -45.3)</b>	<b>-67.4 (-77.1 to -54.1)</b>
15 Cirrhosis liver	15 iNTS	27.7 (-29.9 to 105)	<b>-42.8 (-67.2 to -10.6)</b>	-34 (-60.6 to 2.96)
16 Hemoglobinopathies	16 Hemoglobinopathies	22.8 (-10 to 62.1)	<b>-45 (-59.2 to -27.5)</b>	<b>-34.4 (-48.4 to -17.9)</b>
17 Diabetes	17 Breast cancer	<b>236 (152 to 341)</b>	<b>50.4 (12.4 to 94.6)</b>	<b>24.8 (2.84 to 53.3)</b>
18 Protein-energy malnutrition	18 Interpersonal violence	<b>81.1 (48.9 to 124)</b>	<b>-18.9 (-31.3 to -3.76)</b>	<b>-27 (-36.7 to -15.8)</b>
19 HIV/AIDS	19 Meningitis	4.1 (-29.2 to 53.8)	<b>-53.3 (-69.2 to -31.1)</b>	<b>-46.7 (-61 to -26.6)</b>
20 Interpersonal violence	20 Falls	<b>135 (89.6 to 181)</b>	5.42 (-12.4 to 22.2)	<b>-6.99 (-12 to -1.98)</b>
22 Liver cancer	36 Protein-energy malnutrition			
26 Falls	62 HIV/AIDS			
29 Breast cancer	134 COVID-19			

### Cabo Verde, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	40 (0.921 to 91.2)	30.6 (-3.3 to 76.6)	-44 (-60.7 to -23.2)
2 Stroke	2 Stroke	37.3 (9.9 to 68)	28 (5.37 to 56.4)	-44.6 (-54.2 to -29.9)
3 Lower respiratory infect	3 Lower respiratory infect	64.3 (33.9 to 93.4)	53.2 (32.9 to 85.4)	-31 (-38.5 to -21.5)
4 Diabetes	4 Chronic kidney disease	202 (136 to 273)	182 (130 to 249)	28 (1.88 to 58.8)
5 COVID-19	5 Diabetes	89.9 (47 to 138)	77.1 (41.9 to 122)	-23 (-40.1 to -1.14)
6 Chronic kidney disease	6 Prostate cancer	205 (127 to 301)	184 (109 to 262)	14.7 (-5.23 to 41.8)
7 Cirrhosis liver	7 Lung cancer	180 (120 to 259)	161 (102 to 218)	12.2 (-5.92 to 31.3)
8 Stomach cancer	8 Hypertensive heart disease	124 (72.1 to 177)	109 (68 to 161)	-9.63 (-27.7 to 14.2)
9 Hypertensive heart disease	9 Alzheimer's disease	159 (109 to 224)	142 (98.4 to 185)	3.97 (1.19 to 7.62)
10 Self-harm	10 Pancreatic cancer	328 (213 to 466)	299 (199 to 416)	72.4 (33.1 to 113)
11 Interpersonal violence	11 Stomach cancer	70.2 (40.4 to 102)	58.6 (35.3 to 79.8)	-31.3 (-36.3 to -26.2)
12 Lung cancer	12 Esophageal cancer	132 (92.7 to 177)	116 (83.3 to 153)	-3.24 (-13.4 to 7.63)
13 Prostate cancer	13 Cirrhosis liver	40.3 (14.5 to 68.4)	30.7 (9.45 to 56.9)	-33.3 (-42.6 to -20.8)
14 Esophageal cancer	14 Liver cancer	133 (78.1 to 200)	117 (69.1 to 176)	2.42 (-20.7 to 32.1)
15 Alzheimer's disease	15 COPD	109 (66.6 to 150)	94.4 (59.5 to 136)	-17.9 (-31.8 to -0.254)
16 Neonatal disorders	16 Colorectal cancer	216 (133 to 317)	194 (123 to 275)	26.3 (4.24 to 51)
17 COPD	17 Self-harm	32 (7.05 to 58.4)	23 (2.82 to 43.7)	-19.6 (-30.5 to -6.33)
18 Liver cancer	18 Breast cancer	147 (92.3 to 219)	130 (80 to 187)	11.4 (-6.07 to 30.4)
19 Tuberculosis	19 Atrial fibrillation	214 (152 to 296)	193 (136 to 254)	25.9 (19.2 to 34.4)
20 Drowning	20 Interpersonal violence	-23.9 (-42.1 to -4.1)	-29.2 (-42.4 to -14)	-36.8 (-49.6 to -22.7)
24 Pancreatic cancer	26 Drowning			
25 Breast cancer	27 Tuberculosis			
26 Colorectal cancer	44 Neonatal disorders			
31 Atrial fibrillation	131 COVID-19			

### Cameroon, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Stroke	91.1 (41.1 to 146)	10.8 (-10.5 to 36.6)	-40.9 (-51.8 to -26.9)
2 Neonatal disorders	2 Lower respiratory infect	49.7 (13.3 to 87.5)	-13.1 (-27.8 to 4.73)	-27.5 (-37.1 to -16.2)
3 Lower respiratory infect	3 Chronic kidney disease	328 (201 to 459)	148 (96.2 to 214)	49.3 (18.4 to 89.2)
4 HIV/AIDS	4 Ischemic heart disease	105 (38.2 to 187)	19 (-14.7 to 58.6)	-37.8 (-56.1 to -10.9)
5 Stroke	5 Neonatal disorders	-19.3 (-44.6 to 12.3)	-53.4 (-63.9 to -40.7)	-25.4 (-38.5 to -10.2)
6 Ischemic heart disease	6 Diabetes	176 (92.4 to 259)	60.3 (22.8 to 99.7)	-9.18 (-28.6 to 14.7)
7 Road injuries	7 Malaria	-41.2 (-97 to 225)	-65.8 (-98.3 to 83.3)	-68.4 (-97.7 to 73)
8 Diarrheal diseases	8 Road injuries	57.3 (-1.48 to 150)	-8.81 (-38.3 to 48.6)	-28.1 (-50 to 15)
9 Chronic kidney disease	9 Hypertensive heart disease	210 (118 to 310)	79.6 (37.7 to 122)	-9.29 (-29.5 to 14.3)
10 Congenital defects	10 Cirrhosis liver	85.6 (39.4 to 128)	7.67 (-9.52 to 27)	-33.8 (-42.7 to -22.3)
11 Diabetes	11 Diarrheal diseases	-0.828 (-40.9 to 47.3)	-42.5 (-65.2 to -14.8)	-44.8 (-61.1 to -22.9)
12 Tuberculosis	12 Liver cancer	207 (131 to 286)	78.3 (48.3 to 111)	4.14 (-12.3 to 26.1)
13 Cirrhosis liver	13 COPD	128 (61.8 to 185)	31.9 (3.97 to 62.5)	-31.4 (-43.5 to -15.8)
14 Hypertensive heart disease	14 Prostate cancer	278 (160 to 416)	119 (55.3 to 199)	8.49 (-12.8 to 32.1)
15 Maternal disorders	15 Tuberculosis	-1.46 (-33.6 to 38.7)	-42.9 (-61.1 to -22.5)	-63.3 (-73.8 to -50.4)
16 Meningitis	16 Self-harm	105 (54.5 to 158)	19 (0.439 to 40.1)	-18.5 (-29.3 to -4.84)
17 Pertussis	17 Alzheimer's disease	313 (193 to 466)	140 (78.8 to 207)	6.03 (2.48 to 10.2)
18 COPD	18 Breast cancer	238 (144 to 346)	96.2 (45.6 to 153)	16.6 (-3.57 to 37.4)
19 Self-harm	19 Congenital defects	-25.4 (-45.6 to 2.06)	-56.9 (-64.2 to -47.8)	-37.2 (-45.3 to -25.4)
20 Measles	20 Falls	165 (102 to 237)	53.5 (27.9 to 90.2)	-7.33 (-12.5 to -2.61)
21 Liver cancer	24 HIV/AIDS			
26 Falls	27 Meningitis			
28 Breast cancer	32 Maternal disorders			
30 Prostate cancer	37 Pertussis			
35 Alzheimer's disease	93 Measles			

### Chad, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Diarrheal diseases	1 Neonatal disorders	9.87 (-16.5 to 45.9)	-61.4 (-70.1 to -50.9)	-47.7 (-59.3 to -33)
2 Neonatal disorders	2 Diarrheal diseases	-7.16 (-41.5 to 46.8)	-67.4 (-79.3 to -50.8)	-49.3 (-64.7 to -25.6)
3 Lower respiratory infect	3 Lower respiratory infect	5.05 (-16.8 to 33.6)	-63.1 (-69 to -55.1)	-42.5 (-50.4 to -32.4)
4 Malaria	4 Stroke	<b>90.4 (47.7 to 138)</b>	-33 (-46 to -18.2)	-36.9 (-52.2 to -17.4)
5 Stroke	5 Ischemic heart disease	<b>98.9 (30.5 to 189)</b>	-30.1 (-53.4 to 0.404)	-36.3 (-60.5 to -2.8)
6 Tuberculosis	6 Cirrhosis liver	<b>135 (93.1 to 193)</b>	-17.3 (-30.5 to -1.4)	-27.2 (-39.2 to -11.6)
7 Congenital defects	7 Malaria	-39.4 (-97 to 79.9)	-77.3 (-98.9 to -36)	-77.8 (-97.8 to -7.25)
8 Ischemic heart disease	8 Congenital defects	<b>29.3 (1.78 to 64.3)</b>	-54.5 (-62.2 to -45.8)	-39.9 (-49.6 to -29)
9 Maternal disorders	9 Chronic kidney disease	<b>216 (134 to 322)</b>	11.2 (-15.8 to 43.4)	10.2 (-18.1 to 46.1)
10 Meningitis	10 Road injuries	71.3 (-3.41 to 200)	-39.7 (-66.8 to 5.69)	-43.1 (-65.3 to -8.42)
11 Measles	11 Tuberculosis	-24.5 (-51.4 to 18.9)	-73.4 (-82.7 to -59.1)	-72.7 (-82 to -60)
12 Cirrhosis liver	12 Maternal disorders	17.4 (-27.2 to 77.8)	-58.7 (-72.9 to -35.6)	-64.7 (-76.6 to -47.3)
13 Pertussis	13 Diabetes	<b>139 (77.5 to 218)</b>	-15.8 (-35.8 to 8.19)	-18.5 (-39.6 to 10.9)
14 Road injuries	14 Hypertensive heart disease	<b>148 (84.2 to 237)</b>	-12.8 (-33.6 to 14.8)	-26 (-46.7 to 0.523)
15 HIV/AIDS	15 Pertussis	12.5 (-32.5 to 83.9)	-60.5 (-76.1 to -37.1)	-50.8 (-70.2 to -22.8)
16 Diabetes	16 Meningitis	-16.2 (-47.1 to 34.1)	-70.5 (-81.7 to -54.7)	-59.6 (-72.2 to -41.4)
17 Chronic kidney disease	17 Interpersonal violence	<b>132 (81.7 to 200)</b>	-18.4 (-33.1 to 1.33)	-24.2 (-36.7 to -8.72)
18 Protein-energy malnutrition	18 Self-harm	<b>175 (123 to 236)</b>	-3.21 (-18 to 15.2)	-17.1 (-29.3 to -3.48)
19 Hypertensive heart disease	19 Liver cancer	<b>187 (118 to 273)</b>	1.11 (-19.5 to 28.8)	-9.29 (-31.2 to 19.4)
20 Drowning	20 COPD	<b>70.5 (32.5 to 112)</b>	-40.1 (-50.9 to -28.6)	-46.5 (-57.3 to -33.1)
21 COPD	25 Drowning			
22 Interpersonal violence	33 HIV/AIDS			
24 Self-harm	43 Protein-energy malnutrition			
30 Liver cancer	62 Measles			

### Côte d'Ivoire, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Lower respiratory infect	39.4 (12.7 to 68.9)	-18.5 (-32.7 to -0.808)	-34.8 (-44.4 to -21.6)
2 Neonatal disorders	2 Stroke	77 (36.5 to 124)	3.52 (-17.3 to 27.4)	-50.1 (-59.6 to -36.8)
3 Lower respiratory infect	3 Ischemic heart disease	90.9 (29.2 to 162)	11.7 (-21.3 to 52.8)	-47.8 (-63.5 to -24.2)
4 Stroke	4 Malaria	-30.5 (-97.2 to 286)	-58.2 (-98.3 to 144)	-60.2 (-98.1 to 122)
5 Ischemic heart disease	5 Chronic kidney disease	271 (181 to 369)	117 (70.7 to 169)	17.1 (-7.39 to 50.7)
6 HIV/AIDS	6 Neonatal disorders	-48.9 (-62.7 to -31.9)	-70.2 (-77.2 to -61.5)	-51.2 (-61.3 to -38.3)
7 Diarrheal diseases	7 Diabetes	164 (103 to 234)	54.5 (21.2 to 95)	-22.3 (-38.5 to 2.02)
8 Congenital defects	8 Hypertensive heart disease	203 (128 to 292)	77.4 (38.3 to 127)	-19.1 (-37.5 to 6.59)
9 Tuberculosis	9 Prostate cancer	358 (207 to 529)	167 (82.7 to 262)	12 (-10.7 to 39.4)
10 COVID-19	10 Cirrhosis liver	77.7 (43.1 to 117)	3.96 (-12.7 to 24.4)	-37.5 (-47 to -25.4)
11 Chronic kidney disease	11 Road injuries	39.8 (-13.6 to 122)	-18.1 (-46.3 to 36.9)	-38.3 (-58.8 to 0.666)
12 Cirrhosis liver	12 Diarrheal diseases	-5.9 (-40.6 to 35.2)	-45 (-65.1 to -20.8)	-51.5 (-64.6 to -31.3)
13 Road injuries	13 Breast cancer	276 (164 to 379)	120 (63.9 to 182)	24.1 (-1.72 to 52)
14 Diabetes	14 Alzheimer's disease	390 (237 to 529)	186 (121 to 251)	3.38 (-0.743 to 7.01)
15 Hypertensive heart disease	15 COPD	119 (68.7 to 173)	27.8 (2.45 to 56.2)	-42.4 (-53.9 to -28.5)
16 Maternal disorders	16 Tuberculosis	-7.77 (-34.1 to 24.9)	-46 (-60.9 to -27.1)	-66.9 (-76 to -54.3)
17 Meningitis	17 Self-harm	106 (67.1 to 151)	20.2 (0.643 to 42.4)	-20 (-32.1 to -4.9)
18 Interpersonal violence	18 Falls	194 (133 to 268)	71.6 (42.6 to 103)	-6.01 (-11.2 to 0.287)
19 iNTS	19 Congenital defects	-29 (-44 to -11.6)	-58.6 (-65.2 to -49)	-38.4 (-46.9 to -26.6)
20 Self-harm	20 Interpersonal violence	45.1 (15.4 to 80.6)	-15.2 (-31.2 to 5.35)	-31.6 (-43.4 to -17.9)
21 COPD	22 Meningitis			
22 Prostate cancer	25 Maternal disorders			
24 Breast cancer	28 iNTS			
25 Falls	31 HIV/AIDS			
30 Alzheimer's disease	136 COVID-19			



### The Gambia, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Stroke	38.9 (10.8 to 72.5)	-8.58 (-24.6 to 10.2)	-48.8 (-58.4 to -36.1)
2 Lower respiratory infect	2 Lower respiratory infect	32 (8.71 to 56.8)	-13.1 (-24.3 to -0.169)	-39.7 (-47.3 to -31)
3 Stroke	3 Ischemic heart disease	47.4 (5.77 to 96.9)	-3.01 (-30.3 to 33.9)	-46.5 (-62.7 to -24.9)
4 HIV/AIDS	4 Chronic kidney disease	206 (140 to 285)	101 (58.7 to 152)	24.3 (-3.22 to 56.9)
5 Ischemic heart disease	5 Liver cancer	156 (90.7 to 234)	68.7 (30.8 to 115)	-3 (-26.6 to 27)
6 Tuberculosis	6 HIV/AIDS	-21.8 (-51.5 to 45.6)	-48.4 (-66 to 2.45)	-62.1 (-74.9 to -24.6)
7 Diarrheal diseases	7 Hypertensive heart disease	142 (86.1 to 205)	59.5 (25.1 to 98.2)	-16.9 (-35.9 to 5.08)
8 COVID-19	8 Neonatal disorders	-53.1 (-66.4 to -37.5)	-69.2 (-76.3 to -61.9)	-45.2 (-55.8 to -33.1)
9 Chronic kidney disease	9 Diabetes	88.5 (48.1 to 138)	24.1 (-3.04 to 53.5)	-28.2 (-44.1 to -7.44)
10 Diabetes	10 Cirrhosis liver	63.5 (35.4 to 98.3)	7.66 (-10.1 to 30.3)	-36.1 (-45.8 to -24.5)
11 Liver cancer	11 Road injuries	26.5 (-17.6 to 84.5)	-16.8 (-43.2 to 28)	-39.2 (-57.9 to -8.04)
12 Road injuries	12 Tuberculosis	-29.5 (-48.9 to -8.14)	-53.6 (-65.8 to -37.5)	-70.6 (-78.8 to -61)
13 Malaria	13 COPD	60.7 (29.7 to 97.8)	5.78 (-13.2 to 26.4)	-42.4 (-52.5 to -29.7)
14 Hypertensive heart disease	14 Falls	121 (79.2 to 168)	45.8 (18.1 to 75.6)	-6.7 (-11.5 to -1.19)
15 Cirrhosis liver	15 Diarrheal diseases	-32.4 (-53.7 to -6.09)	-55.5 (-69.1 to -37.7)	-59.2 (-69.5 to -43.7)
16 Maternal disorders	16 Alzheimer's disease	196 (117 to 293)	95.1 (46.9 to 155)	4.01 (1.07 to 7.79)
17 Congenital defects	17 Self-harm	73.3 (41 to 109)	14 (-3.43 to 33.9)	-22.8 (-33.5 to -9.86)
18 COPD	18 Ileus & obstruction	117 (71.6 to 163)	42.6 (16.7 to 71.3)	-8.05 (-24.1 to 10.6)
19 Meningitis	19 Cervical cancer	99.9 (64.7 to 141)	31.5 (12.2 to 57.3)	-21.9 (-33.5 to -6.25)
20 Falls	20 Congenital defects	-32.2 (-46.3 to -14.2)	-55.5 (-61.7 to -47.2)	-34.2 (-41.8 to -23.5)
22 Self-harm	22 Meningitis			
25 Alzheimer's disease	26 Maternal disorders			
28 Cervical cancer	37 Malaria			
29 Ileus & obstruction	135 COVID-19			

### Ghana, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	59.5 (26.1 to 96.1)	3.81 (-19.2 to 27.2)	-46.7 (-57.8 to -33.6)
2 Neonatal disorders	2 Lower respiratory infect	125 (89 to 175)	46.7 (22.1 to 72.5)	-9.71 (-20.5 to 3.5)
3 Malaria	3 Chronic kidney disease	238 (162 to 330)	120 (65.4 to 172)	24.7 (-3.47 to 58.8)
4 Lower respiratory infect	4 Ischemic heart disease	68.4 (14.3 to 130)	9.64 (-25 to 52.6)	-44.3 (-62.1 to -20.7)
5 HIV/AIDS	5 Malaria	7.23 (-95.7 to 484)	-30.4 (-97.3 to 287)	-32.6 (-97.2 to 274)
6 Ischemic heart disease	6 Diabetes	134 (78.6 to 194)	52.5 (16.3 to 92.2)	-17.8 (-35.3 to 4.79)
7 Tuberculosis	7 Hypertensive heart disease	205 (131 to 283)	98.8 (52.4 to 155)	-1.38 (-24.5 to 29.3)
8 Chronic kidney disease	8 Cirrhosis liver	84.4 (48 to 126)	20 (0.488 to 45)	-29.6 (-39.4 to -16.3)
9 Diabetes	9 Neonatal disorders	-39.7 (-57 to -20.6)	-61 (-69.4 to -50.4)	-36.7 (-48.1 to -23.1)
10 Road injuries	10 Diarrheal diseases	80.5 (28.2 to 143)	17.5 (-16.6 to 61.2)	-19.8 (-42.4 to 10.5)
11 Cirrhosis liver	11 Tuberculosis	13.5 (-19.4 to 58.3)	-26.2 (-47.2 to 2.68)	-57.2 (-69.8 to -40.9)
12 Diarrheal diseases	12 Road injuries	36.8 (-18.1 to 134)	-11 (-47 to 50.6)	-26.8 (-54.9 to 22.1)
13 COVID-19	13 Alzheimer's disease	302 (187 to 441)	162 (93.8 to 240)	8.03 (4.54 to 12.1)
14 Hypertensive heart disease	14 Breast cancer	189 (115 to 273)	88 (41.1 to 140)	12.7 (-7.58 to 37.1)
15 Congenital defects	15 Prostate cancer	239 (130 to 366)	120 (52.3 to 194)	3.61 (-18.4 to 24)
16 Meningitis	16 Cardiomyopathy	115 (77.7 to 159)	39.9 (17.5 to 59.7)	-20.3 (-25.3 to -16.2)
17 Hemoglobinopathies	17 Falls	163 (106 to 229)	70.9 (39 to 106)	-6.07 (-9.9 to -1.24)
18 Cardiomyopathy	18 COPD	151 (93.4 to 209)	63.6 (29.7 to 99.2)	-18.3 (-34.7 to -0.259)
19 Breast cancer	19 Liver cancer	193 (118 to 281)	90.7 (45.1 to 145)	10.4 (-12.6 to 46.2)
20 Falls	20 Meningitis	21.7 (-12.4 to 81.1)	-20.8 (-42.4 to 13)	-36.8 (-53.9 to -5)
23 COPD	21 Hemoglobinopathies			
25 Prostate cancer	25 HIV/AIDS			
28 Alzheimer's disease	31 Congenital defects			
30 Liver cancer	134 COVID-19			

### Guinea, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Malaria	24.5 (-90.6 to 527)	-32.5 (-95.2 to 239)	-19.5 (-94.7 to 261)
2 Lower respiratory infect	2 Lower respiratory infect	11 (-10.6 to 34.2)	<b>-42.3 (-52.7 to -31.2)</b>	<b>-38.9 (-47.5 to -28.5)</b>
3 Neonatal disorders	3 Stroke	<b>49.9 (16.1 to 80.7)</b>	<b>-22.1 (-36.1 to -4.34)</b>	<b>-44.2 (-54.2 to -29.3)</b>
4 Stroke	4 Ischemic heart disease	<b>55.1 (8.2 to 110)</b>	-19.4 (-43.2 to 10.7)	<b>-43.3 (-61.4 to -18.4)</b>
5 Ischemic heart disease	5 Neonatal disorders	<b>-38.8 (-52.7 to -20.8)</b>	<b>-68.2 (-74.9 to -59.8)</b>	<b>-51.4 (-61.2 to -37.9)</b>
6 Diarrheal diseases	6 Chronic kidney disease	<b>197 (126 to 269)</b>	<b>54.5 (22.5 to 95.3)</b>	18.8 (-6.18 to 53.3)
7 COVID-19	7 Diabetes	<b>110 (58.2 to 164)</b>	9.06 (-13.8 to 39.3)	-19.7 (-37.3 to 6.92)
8 Congenital defects	8 Diarrheal diseases	-7.74 (-35.2 to 24.7)	<b>-52.1 (-66.6 to -35.7)</b>	<b>-55.8 (-67.5 to -39.1)</b>
9 Tuberculosis	9 Cirrhosis liver	<b>59.9 (30.5 to 90.1)</b>	<b>-16.9 (-29.4 to -0.868)</b>	<b>-39.4 (-49.5 to -27.8)</b>
10 HIV/AIDS	10 Hypertensive heart disease	<b>116 (66.1 to 167)</b>	12.5 (-10.6 to 41.7)	<b>-24.7 (-41.3 to -2.64)</b>
11 Cirrhosis liver	11 Liver cancer	<b>135 (78.2 to 204)</b>	22.4 (-4.33 to 61.1)	-11.9 (-32.1 to 18.1)
12 Meningitis	12 Congenital defects	-19.5 (-34.9 to 2.05)	<b>-58.2 (-64 to -51.1)</b>	<b>-39.9 (-47.4 to -30.1)</b>
13 Pertussis	13 Road injuries	16.3 (-28.5 to 88.7)	<b>-39.5 (-62.9 to -3.1)</b>	<b>-47.2 (-65.9 to -18.1)</b>
14 Road injuries	14 Tuberculosis	-25.4 (-48.2 to 2.25)	<b>-61.2 (-72.4 to -45.4)</b>	<b>-70.5 (-79.1 to -58.9)</b>
15 Diabetes	15 COPD	<b>57.9 (25.3 to 90.8)</b>	<b>-17.9 (-32.8 to -0.85)</b>	<b>-42.7 (-53.3 to -28.1)</b>
16 Maternal disorders	16 Cervical cancer	<b>104 (63.4 to 147)</b>	6.02 (-12.3 to 26.5)	<b>-21.9 (-33.6 to -9.81)</b>
17 Chronic kidney disease	17 Pertussis	-11.4 (-50.4 to 42.4)	<b>-54.1 (-72.9 to -28.4)</b>	-34.6 (-60.7 to 1.94)
18 iNTS	18 Breast cancer	<b>250 (157 to 351)</b>	<b>81.7 (35.8 to 135)</b>	<b>30.8 (5.53 to 58)</b>
19 Hypertensive heart disease	19 Alzheimer's disease	<b>203 (118 to 292)</b>	<b>57.1 (15.5 to 102)</b>	<b>3.9 (0.357 to 7.88)</b>
20 Measles	20 iNTS	-1.43 (-49.9 to 64.1)	<b>-48.8 (-70.9 to -13.7)</b>	-38.4 (-64 to 3.65)
21 COPD	21 Maternal disorders			
23 Liver cancer	22 Meningitis			
25 Cervical cancer	39 HIV/AIDS			
32 Alzheimer's disease	92 Measles			
35 Breast cancer	135 COVID-19			

### Guinea-Bissau, Reference scenario

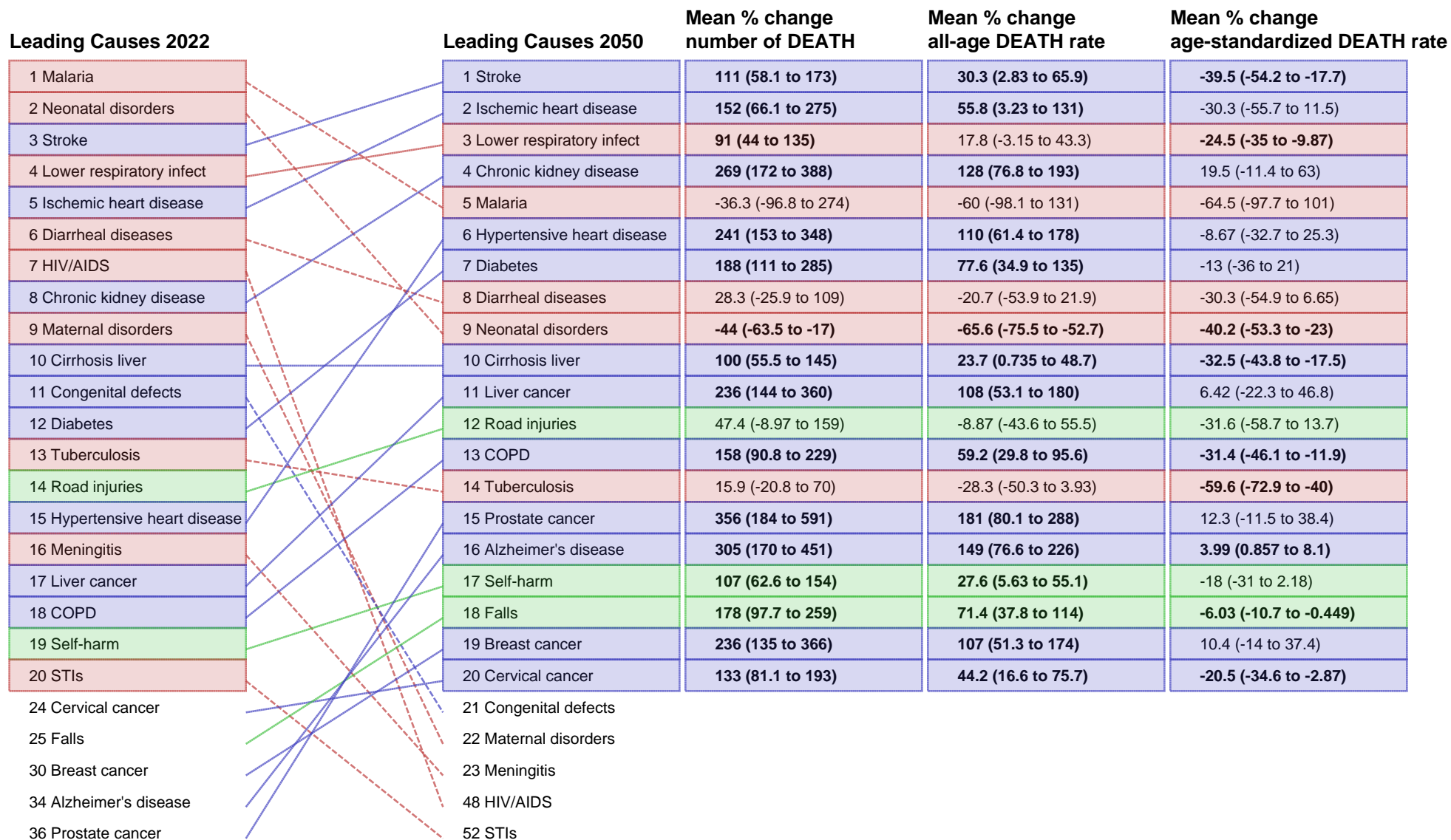
**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Stroke	61.9 (28.1 to 107)	-8.67 (-26.4 to 11.9)	-47 (-59 to -32.6)
2 Neonatal disorders	2 Lower respiratory infect	52.2 (23.7 to 89.4)	-14.2 (-28.2 to 0.806)	-35.9 (-44.6 to -26)
3 HIV/AIDS	3 Ischemic heart disease	78.3 (20.2 to 156)	0.666 (-30.7 to 41.2)	-44.1 (-62.6 to -18.3)
4 Stroke	4 Chronic kidney disease	213 (136 to 309)	76.4 (39.2 to 119)	13.9 (-14.2 to 43)
5 Lower respiratory infect	5 HIV/AIDS	-39 (-59.6 to -10)	-65.7 (-76.7 to -51)	-71.3 (-80.6 to -57.5)
6 Ischemic heart disease	6 Neonatal disorders	-49.9 (-64.3 to -32.8)	-71.8 (-78.3 to -64.4)	-51.2 (-61 to -39.7)
7 Tuberculosis	7 Diabetes	130 (69.4 to 205)	30 (-0.0185 to 64)	-21.8 (-41.7 to 2.04)
8 Measles	8 Hypertensive heart disease	168 (104 to 247)	51.1 (18.2 to 93.2)	-20.8 (-39.4 to 3.88)
9 Road injuries	9 Road injuries	34.9 (-27.4 to 138)	-23.8 (-56.8 to 35)	-35.4 (-62.8 to 11.4)
10 Diarrheal diseases	10 Cirrhosis liver	71.3 (37.2 to 113)	-3.34 (-21 to 15.6)	-38.9 (-49.3 to -26.5)
11 Cirrhosis liver	11 Diarrheal diseases	15.1 (-21.2 to 63.6)	-35 (-53 to -14.1)	-41.2 (-56.9 to -17.4)
12 Congenital defects	12 Tuberculosis	-22.7 (-46.3 to 10.5)	-56.4 (-68.9 to -40.2)	-70.5 (-79 to -58.6)
13 Diabetes	13 Liver cancer	181 (107 to 278)	58.7 (20.4 to 104)	-4.32 (-28.1 to 25.3)
14 Chronic kidney disease	14 COPD	105 (61.5 to 155)	15.8 (-7.07 to 40.6)	-37.1 (-49.4 to -21.1)
15 Malaria	15 Self-harm	102 (62 to 148)	13.9 (-7.26 to 36)	-20.7 (-34 to -5.78)
16 Hypertensive heart disease	16 Cervical cancer	115 (72.1 to 166)	21.5 (-2.75 to 44.8)	-22.5 (-34.9 to -8.52)
17 Meningitis	17 Interpersonal violence	49.1 (12.8 to 87.8)	-16.1 (-30.5 to 3.31)	-30 (-41.1 to -15.5)
18 Interpersonal violence	18 Breast cancer	227 (129 to 325)	84.3 (35.6 to 138)	17.3 (-5.4 to 41.3)
19 COPD	19 Congenital defects	-19.3 (-37 to 3.56)	-54.6 (-61.3 to -46.3)	-33 (-40.8 to -22.5)
20 Pertussis	20 Falls	153 (97.7 to 208)	42.6 (18 to 68)	-7.03 (-11 to -2.1)
21 Self-harm	21 Meningitis			
22 Cervical cancer	35 Pertussis			
24 Liver cancer	47 Measles			
30 Falls	69 Malaria			
31 Breast cancer	134 COVID-19			

### Liberia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries



### Mali, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Neonatal disorders	-10.8 (-33.8 to 20.1)	<b>-62.4 (-71.5 to -49.7)</b>	<b>-48.2 (-60.7 to -31.3)</b>
2 Malaria	2 Stroke	<b>93.5 (45 to 148)</b>	<b>-18.3 (-35.7 to -2.39)</b>	<b>-34 (-48.4 to -16.8)</b>
3 Lower respiratory infect	3 Lower respiratory infect	21.4 (-3.76 to 53.9)	<b>-48.7 (-57.2 to -39.4)</b>	<b>-34.3 (-42.8 to -23.3)</b>
4 Stroke	4 Malaria	-48.9 (-97 to 229)	-77.1 (-98.6 to 39.5)	-74.8 (-97.3 to 45.8)
5 Diarrheal diseases	5 Ischemic heart disease	<b>114 (37.4 to 205)</b>	-9.61 (-39 to 26.7)	-30 (-54.6 to 4.22)
6 Congenital defects	6 Chronic kidney disease	<b>250 (156 to 352)</b>	<b>47.9 (13.3 to 84.4)</b>	24.8 (-4.34 to 62.8)
7 Protein-energy malnutrition	7 Diabetes	<b>179 (104 to 264)</b>	17.6 (-11.1 to 46)	-2.92 (-26.5 to 26.7)
8 Ischemic heart disease	8 Congenital defects	7.8 (-18 to 37.9)	<b>-54.5 (-61.9 to -44.2)</b>	<b>-39.4 (-48.7 to -28.5)</b>
9 Tuberculosis	9 Diarrheal diseases	-2.95 (-40.8 to 48.6)	<b>-59 (-73.7 to -40.8)</b>	<b>-52.5 (-67.5 to -33.1)</b>
10 HIV/AIDS	10 Liver cancer	<b>160 (90.6 to 243)</b>	9.71 (-14.1 to 37.5)	-9.56 (-31.1 to 16)
11 COVID-19	11 COPD	<b>98.3 (51.7 to 152)</b>	-16.2 (-33.4 to 0.442)	<b>-35.8 (-50 to -19.2)</b>
12 iNTS	12 Cirrhosis liver	<b>74.7 (36.9 to 117)</b>	<b>-26.2 (-37.6 to -12.2)</b>	<b>-38.8 (-48.1 to -26.9)</b>
13 Road injuries	13 Road injuries	43.5 (-13.1 to 132)	<b>-39.4 (-62.9 to -2.77)</b>	<b>-44.1 (-63.6 to -15.2)</b>
14 Measles	14 Hypertensive heart disease	<b>141 (75.9 to 214)</b>	1.86 (-23.5 to 30.2)	<b>-24 (-42.5 to -0.873)</b>
15 Cirrhosis liver	15 iNTS	8.1 (-45 to 94.1)	<b>-54.4 (-76.7 to -19.4)</b>	<b>-48.9 (-71.1 to -13.1)</b>
16 Meningitis	16 Tuberculosis	-20 (-46.9 to 11.8)	<b>-66.2 (-76 to -53.4)</b>	<b>-71.4 (-79.5 to -59.8)</b>
17 Diabetes	17 Alzheimer's disease	<b>308 (194 to 442)</b>	<b>72.1 (25.1 to 118)</b>	<b>4.63 (1.46 to 8.48)</b>
18 COPD	18 Protein-energy malnutrition	<b>-51.8 (-77.8 to -6.67)</b>	<b>-79.7 (-90.3 to -60.8)</b>	<b>-68.9 (-83.5 to -44.8)</b>
19 Chronic kidney disease	19 Meningitis	0.329 (-32.9 to 51.7)	<b>-57.6 (-72 to -37.4)</b>	<b>-52.8 (-65.4 to -34.7)</b>
20 Maternal disorders	20 Interpersonal violence	<b>79.9 (40.4 to 134)</b>	<b>-24 (-37.2 to -5.06)</b>	<b>-29.5 (-39.8 to -14)</b>
21 Liver cancer	23 Maternal disorders			
22 Hypertensive heart disease	62 Measles			
25 Interpersonal violence	63 HIV/AIDS			
36 Alzheimer's disease	134 COVID-19			

### Mauritania, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	51.8 (17.8 to 85.5)	-10.8 (-28.4 to 10.1)	-45.1 (-57.1 to -28.3)
2 Neonatal disorders	2 Lower respiratory infect	72.5 (42.1 to 103)	1.31 (-13.6 to 21.1)	-22.9 (-33.5 to -9.26)
3 Ischemic heart disease	3 Ischemic heart disease	50.2 (5.74 to 105)	-11.7 (-37 to 21.4)	-45.7 (-63.5 to -20.9)
4 Lower respiratory infect	4 Chronic kidney disease	251 (176 to 340)	106 (62.8 to 155)	33.3 (5.23 to 70.4)
5 COVID-19	5 Hypertensive heart disease	158 (100 to 227)	51.5 (19.4 to 84.6)	-8.36 (-29.1 to 16.4)
6 Road injuries	6 Road injuries	42.8 (-19.3 to 148)	-16.2 (-50.1 to 46.2)	-28.1 (-56 to 21.5)
7 Chronic kidney disease	7 Neonatal disorders	-25.1 (-44.2 to 2.78)	-56.2 (-65.1 to -44.1)	-32.8 (-44.9 to -18.1)
8 Malaria	8 Diabetes	89.6 (43 to 143)	11.4 (-12.7 to 41.6)	-28.6 (-45.8 to -3.16)
9 Diarrheal diseases	9 Liver cancer	171 (109 to 259)	59.3 (26.7 to 107)	4.35 (-19.8 to 40.9)
10 Diabetes	10 Cirrhosis liver	70.6 (40 to 106)	0.242 (-15.6 to 19.7)	-32.8 (-43.2 to -19.2)
11 Hypertensive heart disease	11 Alzheimer's disease	228 (140 to 341)	92.8 (43.9 to 154)	5.16 (2.33 to 8.89)
12 Cirrhosis liver	12 Prostate cancer	206 (113 to 340)	80 (26.2 to 155)	6.55 (-14.9 to 30.4)
13 Maternal disorders	13 COPD	114 (69.5 to 160)	25.6 (2 to 52.7)	-24.1 (-37.8 to -4.75)
14 Congenital defects	14 Breast cancer	196 (121 to 290)	73.6 (31.5 to 129)	15.2 (-4.2 to 40.1)
15 Liver cancer	15 Diarrheal diseases	-13.9 (-41.7 to 19.7)	-49.5 (-65.8 to -29.1)	-54.9 (-67.3 to -38.4)
16 Tuberculosis	16 Falls	150 (95.3 to 213)	46.7 (18.5 to 80.1)	-4.49 (-9.64 to 1.09)
17 COPD	17 Colorectal cancer	234 (143 to 362)	96.1 (44.5 to 165)	23.2 (1.27 to 50)
18 Prostate cancer	18 Cervical cancer	104 (67.2 to 145)	20.2 (0.228 to 45.9)	-19.5 (-31.7 to -4.38)
19 Meningitis	19 Lung cancer	175 (102 to 271)	61.2 (19.2 to 112)	2.25 (-16.6 to 22.9)
20 Alzheimer's disease	20 Pancreatic cancer	390 (251 to 588)	188 (107 to 290)	82.1 (38.3 to 129)
22 Cervical cancer	21 Tuberculosis			
23 Falls	22 Congenital defects			
24 Breast cancer	24 Maternal disorders			
30 Lung cancer	32 Malaria			
33 Colorectal cancer	33 Meningitis			
41 Pancreatic cancer	134 COVID-19			

### Niger, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Neonatal disorders	46.2 (13.3 to 86.1)	-48.1 (-59.1 to -35.1)	-35.7 (-48.3 to -20.5)
2 Neonatal disorders	2 Malaria	26.5 (-96.5 to 653)	-54.4 (-98.7 to 164)	-52.5 (-97.5 to 164)
3 Lower respiratory infect	3 Lower respiratory infect	53.5 (20.3 to 93.4)	-45.5 (-54.5 to -32.3)	-22.7 (-32.9 to -10.3)
4 Diarrheal diseases	4 Stroke	174 (111 to 244)	-2.78 (-21.3 to 19.6)	3.22 (-16.7 to 26.8)
5 Measles	5 Diarrheal diseases	30.6 (-12.7 to 81.5)	-53.7 (-68.8 to -34.9)	-36.2 (-54.2 to -11.3)
6 Stroke	6 Ischemic heart disease	267 (158 to 388)	30.3 (-5.01 to 70.5)	38.2 (-2.54 to 96.6)
7 Tuberculosis	7 Diabetes	399 (286 to 517)	77.2 (42.7 to 117)	94.3 (51.4 to 142)
8 Congenital defects	8 Chronic kidney disease	327 (229 to 446)	51.5 (17.5 to 86.8)	64 (25.5 to 109)
9 Ischemic heart disease	9 Congenital defects	37.5 (9.01 to 72.2)	-51.2 (-58.8 to -40.7)	-39.4 (-48.2 to -27.7)
10 Meningitis	10 Cirrhosis liver	95.9 (58.1 to 136)	-30.5 (-40.1 to -19.1)	-33.5 (-43 to -21.9)
11 Maternal disorders	11 iNTS	77.3 (-2.8 to 191)	-37 (-64.7 to -0.776)	-33.1 (-61.2 to 2.78)
12 Cirrhosis liver	12 Tuberculosis	-1.82 (-34.7 to 45.4)	-65.1 (-76.2 to -48.8)	-65.1 (-75.6 to -50.5)
13 iNTS	13 Maternal disorders	51.8 (2.26 to 119)	-46.1 (-63.4 to -22.1)	-55.1 (-68.6 to -36.5)
14 COVID-19	14 Meningitis	27.4 (-21.4 to 102)	-54.7 (-71.5 to -26.9)	-45.4 (-61.2 to -20.1)
15 Pertussis	15 Pertussis	90.7 (6.91 to 194)	-32.5 (-59.5 to 2.7)	-20.6 (-50.5 to 19.9)
16 Road injuries	16 Road injuries	103 (19.9 to 229)	-27.8 (-55.5 to 17.3)	-30.9 (-53.7 to 4.96)
17 Chronic kidney disease	17 Hypertensive heart disease	148 (89 to 211)	-11.8 (-30.5 to 9.6)	-18.3 (-37.4 to 3.87)
18 Diabetes	18 COPD	141 (92.2 to 194)	-14.6 (-30 to 2.81)	-17.6 (-32.9 to 1.46)
19 Hypertensive heart disease	19 Interpersonal violence	103 (61.9 to 152)	-27.9 (-40.1 to -13.3)	-30.3 (-40 to -18.3)
20 COPD	20 Falls	150 (92.1 to 215)	-11.3 (-26.3 to 5.75)	-6.22 (-12 to -0.598)
23 Interpersonal violence	26 Measles			
24 Falls	135 COVID-19			



### Nigeria, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Malaria	-19.5 (-96.1 to 442)	-56 (-97.9 to 198)	-56.3 (-97.4 to 194)
2 Malaria	2 Neonatal disorders	<b>-28.7 (-48.4 to -8.03)</b>	<b>-62.1 (-70 to -53.3)</b>	<b>-39.2 (-49.7 to -25.7)</b>
3 Lower respiratory infect	3 Lower respiratory infect	0.809 (-18.9 to 25.1)	<b>-46.2 (-55.8 to -35.1)</b>	<b>-38 (-45.5 to -29)</b>
4 Diarrheal diseases	4 Ischemic heart disease	<b>95.2 (40.1 to 162)</b>	4.21 (-27.2 to 39.8)	<b>-48.2 (-62.9 to -28.2)</b>
5 HIV/AIDS	5 Stroke	<b>88.3 (53.8 to 126)</b>	0.509 (-17.7 to 18.5)	<b>-49.2 (-57.9 to -39.1)</b>
6 Ischemic heart disease	6 Chronic kidney disease	<b>303 (219 to 410)</b>	<b>115 (70.6 to 167)</b>	20 (-5.19 to 51.2)
7 Stroke	7 Diarrheal diseases	<b>-40.4 (-61.6 to -10.4)</b>	<b>-68.2 (-80 to -53.4)</b>	<b>-60.1 (-72 to -45)</b>
8 Congenital defects	8 Diabetes	<b>140 (89.4 to 198)</b>	<b>28.2 (0.149 to 56.1)</b>	<b>-32.1 (-44.8 to -15.9)</b>
9 Tuberculosis	9 Hypertensive heart disease	<b>232 (159 to 318)</b>	<b>77.2 (37.2 to 120)</b>	-11.6 (-28.9 to 12.7)
10 Meningitis	10 Prostate cancer	<b>305 (184 to 443)</b>	<b>116 (52.1 to 187)</b>	-2.63 (-25.7 to 22.3)
11 Cirrhosis liver	11 Cirrhosis liver	<b>86.3 (54.5 to 123)</b>	-0.601 (-17 to 17.6)	<b>-37 (-45 to -26.3)</b>
12 Diabetes	12 Breast cancer	<b>246 (150 to 345)</b>	<b>84.7 (42.1 to 134)</b>	12.7 (-8.68 to 36.5)
13 Chronic kidney disease	13 Tuberculosis	2.54 (-26.8 to 40.8)	<b>-45.2 (-61.1 to -25.7)</b>	<b>-63.4 (-72.4 to -49.5)</b>
14 Maternal disorders	14 Alzheimer's disease	<b>376 (266 to 491)</b>	<b>153 (103 to 206)</b>	<b>5.53 (0.329 to 10.4)</b>
15 Road injuries	15 HIV/AIDS	<b>-44 (-60.4 to -33.1)</b>	<b>-70.2 (-78 to -65)</b>	<b>-76.3 (-82.3 to -72.3)</b>
16 Pertussis	16 Congenital defects	<b>-23.4 (-43.1 to -0.897)</b>	<b>-59.3 (-66.8 to -49.9)</b>	<b>-38.7 (-47.2 to -26.2)</b>
17 iNTS	17 Road injuries	<b>63.9 (12.5 to 142)</b>	-12.5 (-41.1 to 30.8)	<b>-34.5 (-54.3 to -1.25)</b>
18 Hypertensive heart disease	18 COPD	<b>155 (103 to 209)</b>	<b>36.3 (11.9 to 63.1)</b>	<b>-33.9 (-46 to -19.2)</b>
19 Interpersonal violence	19 Falls	<b>197 (137 to 268)</b>	<b>58.5 (31.8 to 88.6)</b>	<b>-8.15 (-13.3 to -3.13)</b>
20 Breast cancer	20 Interpersonal violence	<b>58.9 (29 to 94.1)</b>	-15.4 (-27.3 to 0.063)	<b>-28.7 (-37.8 to -18)</b>
21 Prostate cancer	21 Meningitis			
23 COPD	23 Maternal disorders			
26 Falls	26 iNTS			
27 Alzheimer's disease	30 Pertussis			

### São Tomé and Príncipe, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Chronic kidney disease	222 (148 to 298)	198 (137 to 277)	27.5 (0.753 to 62.5)
2 Lower respiratory infect	2 Lower respiratory infect	68.9 (35.2 to 99.7)	56.6 (33.4 to 89.3)	-31.1 (-39.4 to -21.5)
3 Ischemic heart disease	3 Stroke	48.4 (16.7 to 80.7)	37.7 (10.3 to 70.2)	-45.6 (-55.7 to -31.3)
4 Chronic kidney disease	4 Ischemic heart disease	67.6 (18.8 to 119)	55.5 (14.7 to 115)	-39.5 (-57.2 to -16.1)
5 Cirrhosis liver	5 COPD	131 (84.5 to 185)	115 (73.3 to 159)	-21.3 (-35.2 to -4.78)
6 COPD	6 Cirrhosis liver	52.4 (16.9 to 84.9)	41.3 (13.7 to 73.5)	-32.1 (-42.1 to -20.8)
7 Neonatal disorders	7 Lung cancer	185 (123 to 265)	164 (104 to 235)	3.54 (-13.2 to 22.8)
8 Asthma	8 Hypertensive heart disease	162 (98.3 to 232)	143 (91.7 to 211)	-6.71 (-26.4 to 17.5)
9 Road injuries	9 Colorectal cancer	238 (155 to 350)	214 (130 to 308)	22.1 (-2.15 to 48.4)
10 Lung cancer	10 Diabetes	99.9 (55.6 to 155)	85.4 (45.7 to 138)	-24.6 (-40.1 to -4.25)
11 Other cardiovascular	11 Alzheimer's disease	224 (173 to 287)	200 (148 to 255)	3.85 (0.573 to 7.24)
12 Tuberculosis	12 Other cardiovascular	96.7 (61.6 to 136)	82.6 (50.8 to 114)	-23.3 (-33 to -11.6)
13 Diabetes	13 Falls	118 (75.8 to 169)	102 (62.7 to 158)	-7.55 (-13.8 to -1.12)
14 Hypertensive heart disease	14 Prostate cancer	275 (180 to 392)	248 (155 to 350)	19.3 (-3.57 to 43.5)
15 Cervical cancer	15 Stomach cancer	89.7 (56.7 to 122)	75.9 (50.8 to 107)	-30.5 (-35.2 to -25.9)
16 Stomach cancer	16 Breast cancer	135 (82.6 to 205)	118 (67.6 to 175)	5.23 (-13 to 26.3)
17 Falls	17 Road injuries	17 (-28 to 77.7)	8.38 (-28.6 to 64.4)	-28.9 (-52.4 to 7.16)
18 Diarrheal diseases	18 Cervical cancer	66 (31.6 to 102)	53.9 (26.8 to 83.6)	-22.9 (-32.7 to -11.6)
19 Congenital defects	19 Asthma	-5.73 (-24.9 to 15.9)	-12.6 (-26.8 to 2.81)	-59.9 (-65.3 to -53.3)
20 Breast cancer	20 Urinary diseases	170 (113 to 222)	151 (113 to 193)	13.2 (2.68 to 24.3)
21 Alzheimer's disease	23 Tuberculosis			
22 Colorectal cancer	28 Neonatal disorders			
25 Prostate cancer	30 Diarrheal diseases			
28 Urinary diseases	37 Congenital defects			

### Senegal, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	34.8 (7.75 to 66.8)	-19.4 (-33.4 to -2.66)	-54.3 (-61.6 to -44.7)
2 Neonatal disorders	2 Ischemic heart disease	35 (-3.07 to 78.8)	-19.2 (-41.2 to 5.97)	-55 (-68.1 to -37.4)
3 Ischemic heart disease	3 Lower respiratory infect	37.6 (12.1 to 64)	-17.7 (-29.5 to -4.57)	-35.5 (-44.1 to -25.5)
4 Lower respiratory infect	4 Chronic kidney disease	147 (86.3 to 208)	48 (17.6 to 84.5)	-11.6 (-28.2 to 12.3)
5 Malaria	5 Diabetes	96.2 (51.5 to 145)	17.4 (-5.88 to 49.8)	-31.6 (-45.5 to -13.7)
6 Diabetes	6 Hypertensive heart disease	138 (83.1 to 195)	42.6 (14.1 to 75.8)	-22.2 (-38 to 1.08)
7 Chronic kidney disease	7 Neonatal disorders	-45.4 (-59.8 to -28.2)	-67.4 (-74 to -59.2)	-46 (-54.9 to -34.6)
8 Diarrheal diseases	8 Cirrhosis liver	63.8 (35.2 to 94.2)	-2 (-16.6 to 16.3)	-37.6 (-46.6 to -27)
9 Tuberculosis	9 Alzheimer's disease	267 (178 to 384)	119 (66.5 to 183)	1.91 (-1.4 to 4.82)
10 COVID-19	10 COPD	104 (58.7 to 151)	22.2 (1.05 to 45.6)	-33.1 (-45.3 to -18.5)
11 Road injuries	11 Road injuries	28.9 (-18.3 to 105)	-22.9 (-48.3 to 21.1)	-40 (-59.3 to -7.88)
12 Cirrhosis liver	12 Prostate cancer	240 (143 to 359)	104 (48.6 to 168)	7.91 (-11.9 to 27.3)
13 Congenital defects	13 Diarrheal diseases	-1.38 (-28 to 29.6)	-41 (-57 to -22.1)	-53.5 (-65 to -37.9)
14 Hypertensive heart disease	14 Falls	158 (109 to 215)	54.6 (26.1 to 82.3)	-6.95 (-11.6 to -2.02)
15 COPD	15 Self-harm	92.6 (57.9 to 125)	15.2 (-1.59 to 33.4)	-20.6 (-31.4 to -9.53)
16 Maternal disorders	16 Breast cancer	212 (140 to 295)	86.7 (45.7 to 138)	16.3 (-1.02 to 38.6)
17 Meningitis	17 Tuberculosis	-23.6 (-45.4 to -0.204)	-54.3 (-65.8 to -39.7)	-70.9 (-78.5 to -59.9)
18 Self-harm	18 Liver cancer	165 (110 to 221)	58.3 (28.6 to 94.7)	-3.14 (-21.4 to 22.9)
19 HIV/AIDS	19 Lung cancer	191 (120 to 267)	74 (31.9 to 120)	2.15 (-16 to 20.7)
20 Falls	20 Cervical cancer	102 (69.8 to 143)	21.1 (5.71 to 42.8)	-22.8 (-33.1 to -11.9)
21 Alzheimer's disease	22 Congenital defects			
22 Prostate cancer	27 Meningitis			
23 Cervical cancer	33 Maternal disorders			
25 Liver cancer	42 Malaria			
27 Breast cancer	64 HIV/AIDS			
32 Lung cancer	135 COVID-19			

### Sierra Leone, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Malaria	-30.1 (-96.6 to 235)	-57.1 (-98 to 106)	-55.7 (-97.3 to 101)
2 Neonatal disorders	2 Lower respiratory infect	<b>40.8 (15.6 to 65.8)</b>	<b>-17.2 (-33.5 to -1.79)</b>	<b>-30.4 (-40 to -19.6)</b>
3 Lower respiratory infect	3 Stroke	<b>43.8 (12.2 to 77.4)</b>	-15.5 (-33.7 to 5.5)	<b>-49.2 (-59.8 to -35.6)</b>
4 Stroke	4 Ischemic heart disease	<b>58.7 (7.8 to 119)</b>	-6.62 (-37.7 to 29.5)	<b>-46 (-64.1 to -21.7)</b>
5 Ischemic heart disease	5 Neonatal disorders	<b>-50.5 (-64.1 to -31.7)</b>	<b>-70.9 (-78.2 to -60.1)</b>	<b>-50.2 (-61.7 to -32.7)</b>
6 Protein-energy malnutrition	6 Diarrheal diseases	38.5 (-6.95 to 95.8)	-18.6 (-44.9 to 16.4)	-26.6 (-47.4 to 2.14)
7 Diarrheal diseases	7 Chronic kidney disease	<b>188 (119 to 261)</b>	<b>69.1 (26.8 to 112)</b>	9.4 (-15.5 to 40.6)
8 Tuberculosis	8 Diabetes	<b>124 (68.5 to 184)</b>	31.9 (-1.05 to 67.1)	-19.2 (-39.5 to 3.05)
9 Congenital defects	9 Hypertensive heart disease	<b>147 (90.8 to 210)</b>	<b>45.1 (11.6 to 81.6)</b>	-20.3 (-38.7 to 3.97)
10 HIV/AIDS	10 Cirrhosis liver	<b>58 (30 to 83.1)</b>	-7.13 (-22.4 to 11.6)	<b>-41.2 (-50.2 to -30)</b>
11 Road injuries	11 Tuberculosis	-16.9 (-42.2 to 15.9)	<b>-51.1 (-66.3 to -31.4)</b>	<b>-65.6 (-76.2 to -52.4)</b>
12 Maternal disorders	12 Road injuries	32.9 (-14.5 to 106)	-21.8 (-49.7 to 18.6)	-34.7 (-55.8 to 0.493)
13 Cirrhosis liver	13 Protein-energy malnutrition	<b>-50.9 (-72.8 to -18.9)</b>	<b>-71.1 (-83.8 to -51)</b>	<b>-60.5 (-76.9 to -34.2)</b>
14 Diabetes	14 Congenital defects	<b>-34.1 (-50.2 to -17.6)</b>	<b>-61.3 (-68.1 to -52.5)</b>	<b>-39.8 (-48.7 to -27.5)</b>
15 Chronic kidney disease	15 COPD	<b>78.5 (40.5 to 117)</b>	4.87 (-17.9 to 25.8)	<b>-40.5 (-52 to -26.2)</b>
16 Meningitis	16 Prostate cancer	<b>250 (136 to 372)</b>	<b>105 (45.3 to 174)</b>	15.4 (-6.3 to 40.9)
17 Hypertensive heart disease	17 Alzheimer's disease	<b>232 (146 to 341)</b>	<b>94.5 (49 to 150)</b>	1.05 (-2.99 to 5.56)
18 iNTS	18 Falls	<b>135 (85.3 to 201)</b>	<b>37.9 (15 to 64)</b>	<b>-7.84 (-12.9 to -1.35)</b>
19 COPD	19 Liver cancer	<b>161 (102 to 225)</b>	<b>53.5 (21.5 to 93)</b>	-5.69 (-26.3 to 20.6)
20 Hemoglobinopathies	20 Maternal disorders	-24.7 (-50.7 to 11.1)	<b>-55.9 (-70.1 to -37)</b>	<b>-59 (-72.4 to -41.6)</b>
25 Falls	24 Meningitis			
26 Liver cancer	26 iNTS			
30 Prostate cancer	31 Hemoglobinopathies			
31 Alzheimer's disease	45 HIV/AIDS			

### Togo, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Lower respiratory infect	76.1 (40.7 to 113)	13.8 (-3.81 to 33.8)	-28.8 (-38.6 to -16.1)
2 Stroke	2 Stroke	62.5 (23.4 to 103)	5.12 (-16.5 to 33)	-50.1 (-60.3 to -34.7)
3 Lower respiratory infect	3 Ischemic heart disease	72.5 (17.8 to 148)	11.7 (-24.7 to 62.3)	-48 (-66.1 to -19.6)
4 Neonatal disorders	4 Chronic kidney disease	254 (173 to 352)	129 (79.5 to 195)	18.8 (-7.78 to 57.4)
5 Ischemic heart disease	5 Malaria	-28.2 (-95.8 to 233)	-53.8 (-97.4 to 116)	-60.2 (-97.4 to 83.4)
6 Diarrheal diseases	6 Diarrheal diseases	31.2 (-12.4 to 88.2)	-15.1 (-43.5 to 20.8)	-34.3 (-52.6 to -7.38)
7 Tuberculosis	7 Hypertensive heart disease	200 (129 to 295)	94.3 (49.4 to 151)	-13 (-34.3 to 13.3)
8 HIV/AIDS	8 Diabetes	148 (85 to 218)	60.5 (23.5 to 105)	-19.6 (-39.1 to 7.19)
9 Road injuries	9 Cirrhosis liver	67.3 (34.5 to 105)	8.22 (-10 to 30)	-36.1 (-46.4 to -23.2)
10 Cirrhosis liver	10 Neonatal disorders	-54.1 (-66.8 to -38.6)	-70.4 (-76.9 to -61.5)	-48.7 (-58.4 to -34.8)
11 COVID-19	11 Road injuries	15.4 (-27.9 to 94.4)	-25.1 (-54.9 to 29.6)	-35.7 (-60.3 to 7.9)
12 Chronic kidney disease	12 Tuberculosis	-1.82 (-29.6 to 38.7)	-36.4 (-53.4 to -10.1)	-63.2 (-73.7 to -47.3)
13 Diabetes	13 COPD	102 (54.3 to 150)	30.9 (4.75 to 64.1)	-40.9 (-52.9 to -25.3)
14 Congenital defects	14 Alzheimer's disease	381 (243 to 554)	210 (121 to 307)	1.72 (-1.61 to 5.55)
15 Hypertensive heart disease	15 Prostate cancer	352 (183 to 584)	191 (87.9 to 313)	22.6 (-7.07 to 49.3)
16 Hemoglobinopathies	16 Hemoglobinopathies	25.8 (1.5 to 55.9)	-18.8 (-28.1 to -7.9)	-26.5 (-32.9 to -19.8)
17 COPD	17 Self-harm	97.3 (61.6 to 144)	27.6 (8.1 to 54.4)	-15.2 (-28.7 to 1.03)
18 iNTS	18 Breast cancer	201 (116 to 307)	93.9 (44.6 to 152)	10.8 (-11.1 to 31.8)
19 Self-harm	19 Falls	186 (118 to 275)	84.4 (44.9 to 126)	-6.85 (-12.5 to -1.29)
20 Meningitis	20 Cervical cancer	93.3 (57 to 132)	25.1 (6.02 to 49.2)	-26.4 (-37.3 to -12.2)
22 Cervical cancer	26 Congenital defects			
25 Breast cancer	30 Meningitis			
26 Falls	31 iNTS			
35 Alzheimer's disease	41 HIV/AIDS			
36 Prostate cancer	134 COVID-19			

### Global, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	20.6 (-12.7 to 64)	2.69 (-27 to 44.4)	<b>-44.8 (-64.3 to -15.4)</b>
2 Stroke	2 Stroke	<b>28.5 (7.89 to 51.1)</b>	9.27 (-7.5 to 30.9)	<b>-41.3 (-53.4 to -25.9)</b>
3 COPD	3 COPD	<b>102 (66.1 to 141)</b>	<b>71.8 (40.1 to 113)</b>	-13.7 (-34.3 to 15.6)
4 Lower respiratory infect	4 Alzheimer's disease	<b>173 (124 to 222)</b>	<b>132 (95 to 168)</b>	<b>-3.48 (-5.38 to -1.07)</b>
5 COVID-19	5 Chronic kidney disease	<b>182 (126 to 245)</b>	<b>140 (90.5 to 202)</b>	33.1 (-0.751 to 79)
6 Lung cancer	6 Lower respiratory infect	<b>56.7 (42.3 to 69.5)</b>	<b>33.3 (20.1 to 46.5)</b>	<b>-26.6 (-36.8 to -13.3)</b>
7 Alzheimer's disease	7 Hypertensive heart disease	<b>165 (105 to 232)</b>	<b>126 (74.3 to 192)</b>	17.1 (-16.5 to 61)
8 Neonatal disorders	8 Lung cancer	<b>68.1 (24.5 to 117)</b>	<b>42.7 (8.87 to 80.4)</b>	-17 (-31.9 to 0.776)
9 Diabetes	9 Diabetes	<b>76.2 (43.2 to 115)</b>	<b>49.9 (18.6 to 89.6)</b>	-13.9 (-33.8 to 14.9)
10 Chronic kidney disease	10 Cirrhosis liver	<b>50.7 (34.5 to 67)</b>	<b>28.2 (12.6 to 45.3)</b>	-9.06 (-20.9 to 6.14)
11 Cirrhosis liver	11 Colorectal cancer	<b>103 (41.1 to 177)</b>	<b>72.1 (23.7 to 131)</b>	-3.02 (-24.8 to 23.1)
12 Hypertensive heart disease	12 Falls	<b>113 (82.1 to 146)</b>	<b>81.3 (58.4 to 107)</b>	<b>-5.34 (-10.6 to -0.215)</b>
13 Road injuries	13 Diarrheal diseases	30.9 (-0.247 to 68.6)	11.4 (-16.5 to 47.9)	-34 (-54.1 to 0.13)
14 Tuberculosis	14 Road injuries	9.8 (-24.3 to 61.4)	-6.52 (-36.1 to 41.6)	-18.1 (-46.7 to 28.6)
15 Diarrheal diseases	15 Pancreatic cancer	<b>140 (72.1 to 219)</b>	<b>104 (50.3 to 169)</b>	18.1 (-6.89 to 46.9)
16 Colorectal cancer	16 Breast cancer	<b>81.8 (36.1 to 137)</b>	<b>54.4 (17.9 to 96.1)</b>	1.42 (-18.9 to 24.8)
17 Stomach cancer	17 Stomach cancer	<b>24.7 (12.6 to 37)</b>	5.99 (-3.94 to 16.1)	<b>-38.1 (-41.6 to -34.4)</b>
18 Falls	18 Atrial fibrillation	<b>229 (177 to 278)</b>	<b>179 (143 to 216)</b>	<b>17.3 (11.9 to 22.5)</b>
19 Self-harm	19 Urinary diseases	<b>203 (176 to 225)</b>	<b>158 (133 to 182)</b>	<b>33.5 (11.4 to 60)</b>
20 Malaria	20 Prostate cancer	<b>145 (86 to 209)</b>	<b>108 (60.6 to 158)</b>	5.51 (-8.93 to 23)
22 Breast cancer	24 Neonatal disorders			
25 Pancreatic cancer	25 Tuberculosis			
27 Prostate cancer	26 Self-harm			
32 Urinary diseases	30 Malaria			
34 Atrial fibrillation	137 COVID-19			

### Central Europe, Eastern Europe, and Central Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-0.47 (-27 to 32.5)	4.5 (-25.2 to 38.7)	<b>-43.9 (-63.5 to -17.4)</b>
2 Stroke	2 Stroke	-11.9 (-26.5 to 0.831)	-7.48 (-21.9 to 7.03)	<b>-49.3 (-59.9 to -35.9)</b>
3 COVID-19	3 Alzheimer's disease	<b>134 (78.5 to 192)</b>	<b>146 (92 to 204)</b>	<b>2.34 (0.461 to 4.02)</b>
4 Lung cancer	4 Lung cancer	19.5 (-9.5 to 52.5)	25.3 (-2.74 to 57.3)	-13 (-30.2 to 7)
5 Alzheimer's disease	5 Hypertensive heart disease	<b>78.8 (26.8 to 142)</b>	<b>87.8 (32.4 to 153)</b>	2.02 (-34.8 to 53.8)
6 Cirrhosis liver	6 Colorectal cancer	38.7 (-5.66 to 93.2)	45.4 (-1.37 to 102)	-9.89 (-34 to 20.2)
7 Colorectal cancer	7 COPD	<b>62.8 (31.2 to 94.1)</b>	<b>70.9 (37 to 105)</b>	-1.32 (-24.1 to 26.8)
8 Cardiomyopathy	8 Cirrhosis liver	1.03 (-10.2 to 14.8)	6.05 (-5.39 to 19.4)	-10.9 (-22.6 to 4.5)
9 Hypertensive heart disease	9 Lower respiratory infect	<b>15.5 (2.77 to 29.4)</b>	<b>21.2 (6.77 to 36.2)</b>	<b>-29.6 (-42.1 to -11.5)</b>
10 Lower respiratory infect	10 Cardiomyopathy	-2.54 (-15.5 to 11.7)	2.23 (-10.1 to 14.6)	<b>-28.1 (-34.8 to -21.2)</b>
11 COPD	11 Chronic kidney disease	<b>115 (56.4 to 176)</b>	<b>125 (64.2 to 189)</b>	35.3 (-8.93 to 96.2)
12 Diabetes	12 Diabetes	15.2 (-9.51 to 43.8)	20.9 (-6.07 to 50.1)	<b>-26.1 (-44.2 to -0.425)</b>
13 Self-harm	13 Pancreatic cancer	<b>77 (25.8 to 142)</b>	<b>85.5 (32.1 to 150)</b>	23.4 (-7.68 to 61.1)
14 Stomach cancer	14 Breast cancer	23.9 (-8.05 to 65.8)	29.9 (-2.28 to 69.9)	-12.7 (-30.1 to 8.68)
15 Breast cancer	15 Prostate cancer	<b>74.8 (36.3 to 116)</b>	<b>83.3 (44.2 to 125)</b>	7.14 (-7.15 to 22.7)
16 Pancreatic cancer	16 Urinary diseases	<b>139 (99.7 to 184)</b>	<b>151 (107 to 197)</b>	<b>38.6 (8.69 to 72.3)</b>
17 Chronic kidney disease	17 Stomach cancer	-3.46 (-13.3 to 6.53)	1.27 (-8.48 to 10.5)	<b>-32.3 (-36.3 to -28.6)</b>
18 Prostate cancer	18 Atrial fibrillation	<b>136 (94.6 to 181)</b>	<b>147 (106 to 194)</b>	<b>10.2 (2.04 to 20.6)</b>
19 Road injuries	19 Self-harm	-10.3 (-21.4 to 1.76)	-5.89 (-17.7 to 6.39)	<b>-14.8 (-27.5 to -1.11)</b>
20 Alcohol use disorders	20 Parkinson's disease	<b>87.4 (64.2 to 109)</b>	<b>96.5 (76.1 to 117)</b>	4.11 (-3.6 to 11.2)
22 Urinary diseases	24 Alcohol use disorders			
23 Parkinson's disease	26 Road injuries			
24 Atrial fibrillation	131 COVID-19			

### High income, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	88 (73.7 to 99.9)	81.8 (69.2 to 93.5)	-3.91 (-5.84 to -1.82)
2 Alzheimer's disease	2 Ischemic heart disease	-10.6 (-25.7 to 5.95)	-13.5 (-28.1 to 3.08)	-50.3 (-60.1 to -37.9)
3 Stroke	3 Chronic kidney disease	155 (122 to 187)	146 (115 to 180)	38.5 (18.2 to 62.4)
4 COVID-19	4 COPD	63.8 (45.5 to 82.7)	58.4 (40.8 to 76)	-4.94 (-17 to 7.66)
5 Lung cancer	5 Lung cancer	29.6 (10.8 to 49.6)	25.4 (7.73 to 46)	-12.7 (-23.1 to -2)
6 COPD	6 Stroke	-6 (-14.5 to 2.42)	-9.08 (-17 to -0.913)	-45.4 (-51.5 to -38.8)
7 Lower respiratory infect	7 Lower respiratory infect	66.5 (55.1 to 78.2)	61.1 (50 to 72.3)	-10.3 (-17.9 to -2.67)
8 Chronic kidney disease	8 Colorectal cancer	53.1 (24.3 to 86.6)	48 (21.6 to 79.4)	-5.62 (-20.8 to 12.1)
9 Colorectal cancer	9 Hypertensive heart disease	97.9 (71.3 to 127)	91.4 (64.5 to 121)	13.9 (-3.56 to 34.6)
10 Pancreatic cancer	10 Pancreatic cancer	86.4 (55 to 120)	80.3 (51.5 to 113)	24.5 (7.51 to 43.4)
11 Hypertensive heart disease	11 Atrial fibrillation	132 (119 to 147)	124 (112 to 135)	20.2 (16.3 to 24.1)
12 Diabetes	12 Falls	73.8 (61.4 to 85.1)	68.1 (56.8 to 79)	-5.57 (-9.13 to -2.05)
13 Breast cancer	13 Prostate cancer	82.1 (60.4 to 107)	76.1 (55.2 to 100)	6.3 (-2.49 to 15.6)
14 Falls	14 Nonrheum valv diseases	143 (129 to 163)	135 (121 to 152)	23.3 (17.8 to 29)
15 Cirrhosis liver	15 Urinary diseases	186 (162 to 205)	177 (156 to 194)	50.1 (37.5 to 63.1)
16 Prostate cancer	16 Diabetes	24.3 (7.37 to 41.2)	20.2 (3.88 to 38.4)	-28.6 (-38.8 to -17)
17 Stomach cancer	17 Breast cancer	36.9 (18.5 to 55.3)	32.4 (15.7 to 50.8)	-8.64 (-18.4 to 1.99)
18 Self-harm	18 Parkinson's disease	77.8 (68.7 to 86.3)	71.9 (63.2 to 80.4)	4.07 (-0.2 to 7.73)
19 Atrial fibrillation	19 Liver cancer	69.5 (54.2 to 84.5)	63.9 (49.3 to 79)	19.2 (8.02 to 30.3)
20 Parkinson's disease	20 Cirrhosis liver	9.12 (1.99 to 15.7)	5.54 (-1.15 to 11.6)	-12 (-17.5 to -7.01)
21 Nonrheum valv diseases	23 Stomach cancer			
22 Liver cancer	26 Self-harm			
25 Urinary diseases	135 COVID-19			



### Latin America and Caribbean, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	48.3 (-8.2 to 122)	32.8 (-18.2 to 106)	-38.3 (-65.4 to 5.11)
2 COVID-19	2 Chronic kidney disease	185 (105 to 267)	154 (84.6 to 243)	27.4 (-13.6 to 85.9)
3 Stroke	3 Lower respiratory infect	95.5 (67.8 to 123)	74.6 (52.1 to 101)	<b>-24.4 (-39.5 to -5.34)</b>
4 Diabetes	4 Diabetes	73.6 (30.2 to 115)	55.2 (17.7 to 98.3)	-23 (-44 to 6.77)
5 Lower respiratory infect	5 Stroke	37.3 (5.05 to 69.1)	22.7 (-5.51 to 57.9)	<b>-41.5 (-57.9 to -19.6)</b>
6 Chronic kidney disease	6 Alzheimer's disease	210 (146 to 272)	176 (122 to 228)	<b>-2.97 (-5.08 to -0.975)</b>
7 COPD	7 COPD	125 (71.9 to 179)	101 (51.8 to 155)	-16.3 (-41.6 to 17.7)
8 Interpersonal violence	8 Cirrhosis liver	57.6 (42.1 to 71)	40.8 (28.2 to 55.5)	-9.17 (-19.1 to 2.86)
9 Alzheimer's disease	9 Hypertensive heart disease	164 (83.9 to 239)	136 (66.6 to 217)	3.37 (-33.2 to 55.4)
10 Cirrhosis liver	10 Urinary diseases	249 (190 to 310)	211 (162 to 263)	<b>30.4 (2.79 to 70.4)</b>
11 Road injuries	11 Lung cancer	95.7 (27.8 to 174)	74.5 (18 to 140)	-9.82 (-34.6 to 18.6)
12 Lung cancer	12 Prostate cancer	159 (66.3 to 264)	131 (53.4 to 226)	-0.786 (-27.1 to 27.6)
13 Stomach cancer	13 Colorectal cancer	115 (28.3 to 227)	91.3 (18.1 to 190)	-2.56 (-35.4 to 37.3)
14 Hypertensive heart disease	14 Road injuries	8.42 (-30.7 to 66.9)	-2.96 (-38.1 to 54.3)	-13.2 (-45.3 to 40)
15 Colorectal cancer	15 Pancreatic cancer	193 (59.3 to 378)	161 (46.1 to 324)	34.7 (-19.5 to 105)
16 Neonatal disorders	16 Interpersonal violence	-29.9 (-62 to 22.6)	-37.6 (-64.1 to 9.88)	-34.5 (-64 to 16.3)
17 Prostate cancer	17 Breast cancer	82.8 (24.6 to 157)	63 (13.1 to 128)	-5.13 (-29.6 to 26.3)
18 Breast cancer	18 Stomach cancer	41.6 (26.2 to 54.9)	26.4 (16.3 to 38.2)	<b>-34.5 (-37.8 to -30.7)</b>
19 Urinary diseases	19 Falls	118 (80.3 to 157)	94.4 (62.4 to 129)	<b>-12 (-18.9 to -3.27)</b>
20 Falls	20 Atrial fibrillation	253 (187 to 317)	215 (165 to 262)	14.3 (5.18 to 25.2)
24 Pancreatic cancer	43 Neonatal disorders			
26 Atrial fibrillation	136 COVID-19			

### North Africa and Middle East, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	72 (18.4 to 151)	27.3 (-15.2 to 90.5)	-43.2 (-65.1 to -5.62)
2 Stroke	2 Stroke	67.4 (31.6 to 108)	23.8 (-3.03 to 58.2)	-47.5 (-62.4 to -25)
3 COVID-19	3 Chronic kidney disease	301 (204 to 415)	197 (124 to 292)	32.2 (-7.37 to 95)
4 Chronic kidney disease	4 Hypertensive heart disease	252 (166 to 354)	160 (96.8 to 242)	5.42 (-29.7 to 57)
5 Hypertensive heart disease	5 Alzheimer's disease	326 (224 to 422)	215 (145 to 288)	7.14 (4.55 to 9.29)
6 Diabetes	6 Diabetes	160 (101 to 235)	92.5 (48.8 to 152)	-12.9 (-37.9 to 26.9)
7 Road injuries	7 COPD	181 (122 to 248)	108 (64 to 166)	-15.3 (-40.7 to 21.2)
8 Lower respiratory infect	8 Lower respiratory infect	98.2 (73.4 to 125)	46.5 (27.6 to 71.3)	-25.2 (-39.2 to -3.57)
9 Cirrhosis liver	9 Lung cancer	154 (72 to 255)	87.4 (30.5 to 160)	-9.99 (-33.1 to 17.9)
10 COPD	10 Cirrhosis liver	91 (69.5 to 112)	41.1 (25 to 58.8)	-30.3 (-39.4 to -17.7)
11 Neonatal disorders	11 Road injuries	29.1 (-14.4 to 99.4)	-4.42 (-38.4 to 50.6)	-22.3 (-51.4 to 25.6)
12 Lung cancer	12 Colorectal cancer	220 (105 to 375)	136 (51.6 to 248)	11.5 (-22.4 to 53.7)
13 Alzheimer's disease	13 Pancreatic cancer	342 (184 to 537)	226 (116 to 368)	52.8 (8.53 to 105)
14 Congenital defects	14 Liver cancer	219 (172 to 272)	136 (101 to 181)	19.7 (-1.22 to 48.6)
15 Conflict & terror	15 Conflict & terror	96.3 (-79.9 to 677)	45.4 (-85.4 to 487)	30.8 (-87 to 379)
16 Stomach cancer	16 Breast cancer	145 (65.9 to 245)	80.9 (22.8 to 151)	4.77 (-25 to 39.5)
17 Colorectal cancer	17 Stomach cancer	88.8 (66.3 to 114)	39.4 (24.3 to 52.7)	-32.9 (-37 to -28.7)
18 Breast cancer	18 Brain cancer	200 (175 to 229)	122 (103 to 139)	34.9 (29.9 to 40.3)
19 Other cardiovascular	19 Prostate cancer	275 (139 to 446)	176 (77.3 to 302)	3.23 (-25.2 to 33.9)
20 Leukemia	20 Other cardiovascular	110 (87.5 to 136)	55.5 (36.9 to 72.9)	-24.2 (-37 to -9.45)
22 Liver cancer	22 Leukemia			
24 Brain cancer	26 Congenital defects			
27 Pancreatic cancer	27 Neonatal disorders			
30 Prostate cancer	134 COVID-19			

### South Asia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	20.3 (-28.1 to 82.5)	7.66 (-33.7 to 67.1)	-51.4 (-73.7 to -13.5)
2 COPD	2 COPD	82.2 (35.4 to 132)	62.9 (22.4 to 115)	-35.4 (-56.4 to -0.966)
3 Stroke	3 Stroke	34.3 (5.35 to 67.3)	20 (-5.93 to 54.8)	-47.9 (-63.4 to -27.9)
4 Neonatal disorders	4 Diabetes	85.9 (41.1 to 138)	66.2 (21.8 to 120)	-28.3 (-52.4 to 8.8)
5 Lower respiratory infect	5 Diarrheal diseases	36 (5.18 to 69.7)	21.6 (-7.11 to 57.1)	-50.8 (-68 to -22.7)
6 Diarrheal diseases	6 Lower respiratory infect	23.8 (1.89 to 49.3)	10.5 (-7.04 to 31.3)	-44.8 (-54.6 to -30.8)
7 Tuberculosis	7 Falls	136 (80.8 to 203)	110 (71.5 to 158)	-13.6 (-22.2 to -3.72)
8 Diabetes	8 Chronic kidney disease	165 (91.5 to 254)	137 (72.7 to 227)	11.1 (-26.9 to 66.6)
9 Cirrhosis liver	9 Alzheimer's disease	260 (150 to 374)	221 (136 to 322)	-5.4 (-9.86 to -1.27)
10 Road injuries	10 Cirrhosis liver	55.9 (29.7 to 82.9)	39.3 (16.6 to 66.9)	-20.4 (-35.2 to -1.77)
11 Falls	11 Hypertensive heart disease	153 (83.8 to 229)	126 (68.2 to 206)	-11.3 (-42.6 to 35.8)
12 COVID-19	12 Tuberculosis	-31.1 (-57.8 to 2.2)	-38.3 (-61.9 to -3.83)	-65.7 (-80 to -42.6)
13 Chronic kidney disease	13 Road injuries	9.76 (-29.8 to 61.5)	-1.8 (-35.7 to 53.2)	-24.7 (-52.8 to 20.1)
14 Asthma	14 Urinary diseases	192 (152 to 239)	161 (129 to 199)	16.8 (-5.24 to 46)
15 Self-harm	15 Breast cancer	121 (35.5 to 230)	97 (32.2 to 177)	8.62 (-25 to 44.1)
16 Rheumatic heart disease	16 Self-harm	7.1 (-15.4 to 35.2)	-4.32 (-24.5 to 20.9)	-19.3 (-37.8 to 6.07)
17 Hypertensive heart disease	17 Lip oral cavity cancer	118 (87.7 to 149)	94.9 (77.3 to 112)	0.811 (-8.34 to 11.4)
18 Alzheimer's disease	18 Rheumatic heart disease	-0.941 (-32.4 to 36.6)	-11.4 (-39.6 to 26.3)	-54.9 (-71.8 to -29.7)
19 Breast cancer	19 Asthma	-8.57 (-24 to 9.39)	-18.3 (-31.7 to -3.89)	-63.9 (-71.4 to -52.6)
20 Congenital defects	20 Lung cancer	106 (30.4 to 198)	84 (22.2 to 155)	-7.66 (-33.7 to 22.5)
21 Lung cancer	21 Neonatal disorders			
22 Lip oral cavity cancer	52 Congenital defects			
23 Urinary diseases	133 COVID-19			

### Southeast Asia, East Asia, and Oceania, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	31.4 (10 to 56.1)	36.8 (15.4 to 68)	-45.2 (-55.5 to -30.7)
2 Ischemic heart disease	2 COPD	124 (77.6 to 172)	134 (87.9 to 185)	-21.1 (-38.7 to 4.9)
3 COPD	3 Ischemic heart disease	19.1 (-12.9 to 58.8)	24.1 (-9.33 to 66.3)	<b>-53.1 (-68.2 to -33.2)</b>
4 Lung cancer	4 Alzheimer's disease	236 (172 to 312)	249 (189 to 323)	-0.986 (-4.87 to 2.62)
5 Alzheimer's disease	5 Lung cancer	83.9 (31.3 to 145)	91.1 (41.7 to 149)	-8.7 (-27.1 to 12.8)
6 Stomach cancer	6 Hypertensive heart disease	186 (115 to 275)	198 (121 to 298)	10.5 (-23.1 to 55.9)
7 Hypertensive heart disease	7 Chronic kidney disease	157 (104 to 217)	167 (112 to 237)	21.8 (-6.94 to 60.7)
8 Lower respiratory infect	8 Lower respiratory infect	101 (77.5 to 124)	110 (85.4 to 130)	<b>-27.6 (-36 to -16.9)</b>
9 Diabetes	9 Colorectal cancer	131 (57.7 to 218)	140 (69.4 to 228)	13.6 (-14.5 to 44.7)
10 Chronic kidney disease	10 Diabetes	63.1 (32.5 to 99.4)	69.8 (35.4 to 111)	-21.1 (-38.7 to 4.25)
11 Colorectal cancer	11 Stomach cancer	20.7 (2.54 to 40.3)	25.5 (8.31 to 44.7)	<b>-39.7 (-44.5 to -34.1)</b>
12 Road injuries	12 Esophageal cancer	79.9 (55.9 to 106)	87.2 (64.4 to 113)	-7.23 (-16.4 to 2.76)
13 Cirrhosis liver	13 Cirrhosis liver	50.8 (31.3 to 73.5)	57 (35.9 to 83.3)	-2.19 (-15.4 to 16.1)
14 Esophageal cancer	14 Falls	117 (75.5 to 164)	126 (88.4 to 168)	<b>-10.8 (-16.9 to -4.52)</b>
15 COVID-19	15 Liver cancer	89.8 (47 to 149)	97.8 (50.2 to 162)	14.3 (-15.8 to 57.4)
16 Liver cancer	16 Pancreatic cancer	162 (84.1 to 250)	172 (97.8 to 262)	<b>37.4 (5.12 to 72.7)</b>
17 Tuberculosis	17 Atrial fibrillation	326 (244 to 426)	343 (265 to 436)	<b>20.5 (11.2 to 31)</b>
18 Falls	18 Parkinson's disease	182 (145 to 226)	193 (160 to 230)	-0.573 (-7.68 to 6.95)
19 Self-harm	19 Road injuries	-10.2 (-34.3 to 26.4)	-6.37 (-32.6 to 32.1)	-19.5 (-44.3 to 19.1)
20 Breast cancer	20 Breast cancer	66.2 (23.1 to 113)	72.8 (30.8 to 119)	8.33 (-14.2 to 33.9)
21 Pancreatic cancer	21 Self-harm			
23 Parkinson's disease	24 Tuberculosis			
25 Atrial fibrillation	134 COVID-19			

### Sub-Saharan Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Lower respiratory infect	35 (19.2 to 52.1)	-25.8 (-35.4 to -14.7)	-33.6 (-40.8 to -24.7)
2 Lower respiratory infect	2 Stroke	73 (48.6 to 99.7)	-4.9 (-20.5 to 12.2)	-46.2 (-55.7 to -34.2)
3 Malaria	3 Ischemic heart disease	78.7 (30.6 to 141)	-1.74 (-29.7 to 34.5)	-44.8 (-61.5 to -22)
4 HIV/AIDS	4 Neonatal disorders	-30.4 (-46.1 to -11.2)	-61.8 (-69.3 to -51.4)	-42.7 (-54 to -28.4)
5 Stroke	5 Chronic kidney disease	244 (180 to 318)	88.9 (51.3 to 131)	17 (-7.92 to 48)
6 Diarrheal diseases	6 Malaria	-30.1 (-80.4 to 149)	-61.7 (-89.3 to 34.8)	-61.1 (-88.7 to 32.5)
7 Tuberculosis	7 Diarrheal diseases	0.153 (-28.6 to 40.7)	-44.9 (-61.3 to -24)	-44.6 (-58.7 to -21.9)
8 Ischemic heart disease	8 Diabetes	119 (80.5 to 161)	20.5 (-2.67 to 47.6)	-28.5 (-42.9 to -10.6)
9 COVID-19	9 Hypertensive heart disease	191 (141 to 253)	60 (30.5 to 95.3)	-14.7 (-33.3 to 7.57)
10 Road injuries	10 Cirrhosis liver	90 (68.2 to 115)	4.41 (-10.2 to 21.6)	-31.9 (-40.8 to -20.5)
11 Congenital defects	11 Tuberculosis	-13.2 (-37.1 to 20.7)	-52.3 (-65.2 to -33)	-66.6 (-75.5 to -53.6)
12 Diabetes	12 Road injuries	39.8 (-11.3 to 126)	-23.1 (-52 to 24.4)	-36.8 (-58.9 to -0.937)
13 Cirrhosis liver	13 COPD	123 (95.1 to 156)	22.7 (5.38 to 43.2)	-32.7 (-44.1 to -18.3)
14 Chronic kidney disease	14 Alzheimer's disease	302 (227 to 377)	121 (80.9 to 159)	2.07 (-0.615 to 4.16)
15 Hypertensive heart disease	15 Breast cancer	218 (148 to 283)	74.6 (37.2 to 112)	11.6 (-6.23 to 30.7)
16 Meningitis	16 Prostate cancer	274 (174 to 364)	105 (51.4 to 157)	7.56 (-11.3 to 26.8)
17 Maternal disorders	17 HIV/AIDS	-67.4 (-72.4 to -62.5)	-82.1 (-85 to -79.2)	-84.8 (-87 to -82.5)
18 COPD	18 Congenital defects	-19.6 (-33.6 to -1.63)	-55.9 (-61.9 to -47.2)	-37.4 (-44.8 to -26.4)
19 Interpersonal violence	19 Self-harm	101 (79.4 to 129)	10.7 (-3.99 to 27.5)	-19.3 (-29.1 to -7.47)
20 Protein-energy malnutrition	20 Falls	173 (131 to 212)	49.6 (27.6 to 68.9)	-5.52 (-8.63 to -2.79)
22 Self-harm	23 Interpersonal violence			
24 Breast cancer	24 Meningitis			
26 Alzheimer's disease	31 Maternal disorders			
28 Falls	40 Protein-energy malnutrition			
31 Prostate cancer	136 COVID-19			

### Central Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	87.9 (27.6 to 160)	50.1 (1.61 to 104)	-35.3 (-62.1 to 2.98)
2 COVID-19	2 Stroke	55.5 (24.8 to 87.9)	24.2 (0.947 to 49.3)	-44.6 (-60.1 to -23.9)
3 Stroke	3 Cirrhosis liver	61 (34.4 to 91.4)	28.6 (9.26 to 49.9)	-12.4 (-28.2 to 7.75)
4 Cirrhosis liver	4 Alzheimer's disease	305 (179 to 439)	223 (128 to 330)	2.38 (0.77 to 3.98)
5 Lower respiratory infect	5 COPD	157 (97.2 to 224)	105 (59.6 to 151)	-8.04 (-35.7 to 29.9)
6 Neonatal disorders	6 Hypertensive heart disease	161 (69 to 272)	109 (36.6 to 201)	-8.64 (-48 to 49.7)
7 COPD	7 Chronic kidney disease	192 (98.3 to 309)	133 (57.4 to 224)	29.1 (-20.5 to 104)
8 Diabetes	8 Diabetes	76.6 (20.6 to 148)	41.1 (0.99 to 96.5)	-19 (-44.9 to 23.7)
9 Hypertensive heart disease	9 Lower respiratory infect	-0.231 (-17.7 to 21.2)	-20.3 (-32.5 to -5.18)	-42.9 (-55.5 to -23.7)
10 Cardiomyopathy	10 Lung cancer	87.1 (24.4 to 161)	49.3 (1.66 to 101)	-12.4 (-36.8 to 16.2)
11 Lung cancer	11 Liver cancer	182 (104 to 293)	126 (62.8 to 206)	32.7 (-9.67 to 90)
12 Alzheimer's disease	12 Cardiomyopathy	43 (20.2 to 72.4)	14.1 (-1.83 to 30.3)	-28.4 (-34.5 to -20.7)
13 Road injuries	13 Colorectal cancer	111 (28.9 to 211)	68.6 (2.99 to 148)	-8.09 (-37.3 to 30.6)
14 Chronic kidney disease	14 Stomach cancer	39.8 (21.1 to 58.3)	11.6 (1.75 to 21.6)	-35.7 (-39 to -31.9)
15 Stomach cancer	15 Breast cancer	69 (14.5 to 133)	34.8 (-6.29 to 82.3)	-14 (-37.4 to 14.5)
16 Self-harm	16 Road injuries	13.9 (-33.8 to 103)	-8.91 (-46.2 to 57.9)	-16.1 (-51.9 to 47.5)
17 Congenital defects	17 Self-harm	18.8 (-5.23 to 49.2)	-5.12 (-24.1 to 17.5)	-13.9 (-31.6 to 8.39)
18 Breast cancer	18 Pancreatic cancer	184 (75.1 to 318)	126 (42.4 to 224)	25.7 (-13.5 to 72.9)
19 Colorectal cancer	19 Neonatal disorders	-35.1 (-65.8 to 15.7)	-48.2 (-72 to -10.3)	-31.6 (-62.2 to 13.6)
20 Liver cancer	20 Esophageal cancer	128 (101 to 157)	82 (68.2 to 96)	0.875 (-8.8 to 12.8)
23 Esophageal cancer	30 Congenital defects			
25 Pancreatic cancer	131 COVID-19			

### Central Europe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-21.5 (-40.3 to 2.82)	-4.73 (-28.7 to 22.9)	<b>-51.1 (-65.7 to -30.5)</b>
2 Stroke	2 Stroke	<b>-27.4 (-36.7 to -16.1)</b>	-11.9 (-23.2 to 0.614)	<b>-52.5 (-60.6 to -42.9)</b>
3 COVID-19	3 Lung cancer	18.7 (-6.01 to 45.3)	<b>43.9 (16.4 to 77.8)</b>	-0.765 (-19 to 18.4)
4 Lung cancer	4 Alzheimer's disease	<b>96 (63.3 to 126)</b>	<b>138 (100 to 173)</b>	<b>3 (1.35 to 4.73)</b>
5 Hypertensive heart disease	5 Hypertensive heart disease	<b>56 (13.4 to 108)</b>	<b>89.3 (38.7 to 153)</b>	1.05 (-30.6 to 45.4)
6 Colorectal cancer	6 Colorectal cancer	36.3 (-3.51 to 84.6)	<b>65.2 (16.8 to 122)</b>	1.64 (-25.3 to 32.4)
7 Alzheimer's disease	7 Lower respiratory infect	<b>29.2 (13.1 to 45.4)</b>	<b>56.7 (36.6 to 76.1)</b>	<b>-17.5 (-29.7 to -5.38)</b>
8 Lower respiratory infect	8 COPD	<b>29.3 (3.58 to 53.9)</b>	<b>56.9 (27.4 to 87.1)</b>	-8.94 (-29 to 12.1)
9 COPD	9 Chronic kidney disease	<b>84.5 (43.1 to 127)</b>	<b>124 (72.2 to 179)</b>	22.9 (-7.38 to 63.5)
10 Cirrhosis liver	10 Pancreatic cancer	<b>65.2 (21.5 to 117)</b>	<b>100 (48.6 to 156)</b>	<b>32 (1.71 to 69.8)</b>
11 Diabetes	11 Diabetes	6.4 (-11.2 to 28.4)	<b>29.1 (7.7 to 53.9)</b>	<b>-26.6 (-40.6 to -10.3)</b>
12 Cardiomyopathy	12 Cardiomyopathy	16.2 (-0.284 to 34.6)	<b>40.9 (22.6 to 63.2)</b>	<b>-19.6 (-25.8 to -13.1)</b>
13 Breast cancer	13 Prostate cancer	<b>57.9 (27.5 to 89.7)</b>	<b>91.4 (55.4 to 127)</b>	11.6 (-3.37 to 28)
14 Pancreatic cancer	14 Breast cancer	23.5 (-5.19 to 55.2)	<b>49.7 (14.8 to 88.9)</b>	-5.47 (-22.5 to 13)
15 Chronic kidney disease	15 Cirrhosis liver	<b>-13 (-23 to -1.78)</b>	5.56 (-5.34 to 17.5)	<b>-12.5 (-22.6 to -0.762)</b>
16 Prostate cancer	16 Atrial fibrillation	<b>107 (73.1 to 137)</b>	<b>151 (114 to 182)</b>	<b>17.1 (8.87 to 26.8)</b>
17 Stomach cancer	17 Falls	<b>39.3 (18 to 58.9)</b>	<b>68.9 (45.1 to 92.2)</b>	<b>-9.34 (-16.2 to -2.23)</b>
18 Falls	18 Parkinson's disease	<b>52.2 (38.4 to 67.6)</b>	<b>84.6 (69.5 to 103)</b>	1.48 (-5.39 to 8.78)
19 Self-harm	19 Bladder cancer	<b>32.2 (15.7 to 49.1)</b>	<b>60.3 (43.6 to 79.8)</b>	-4.1 (-11.2 to 3.25)
20 Bladder cancer	20 Brain cancer	<b>52.9 (42.8 to 63.6)</b>	<b>85.5 (76.3 to 96.1)</b>	<b>34.4 (29.6 to 39.7)</b>
21 Parkinson's disease	22 Stomach cancer			
22 Atrial fibrillation	25 Self-harm			
23 Brain cancer	130 COVID-19			

### Eastern Europe, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-10.3 (-36.1 to 15.3)	1.64 (-27.2 to 32.7)	<b>-47.9 (-66.1 to -24)</b>
2 Stroke	2 Stroke	<b>-17.7 (-34.6 to -2.91)</b>	-6.78 (-23.5 to 9.3)	<b>-51.6 (-62.3 to -38.3)</b>
3 COVID-19	3 Alzheimer's disease	<b>135 (71.2 to 207)</b>	<b>165 (98.1 to 234)</b>	2.42 (-0.721 to 5.23)
4 Lung cancer	4 Colorectal cancer	33.2 (-13.7 to 94.9)	<b>50.5 (0.731 to 110)</b>	-7.5 (-32.9 to 25.8)
5 Alzheimer's disease	5 Lung cancer	9.52 (-20.3 to 47.6)	23.8 (-7.26 to 60.1)	-13.6 (-31.8 to 8.53)
6 Cardiomyopathy	6 COPD	<b>59.5 (22.5 to 95)</b>	<b>80.6 (39.9 to 117)</b>	0.698 (-23.2 to 30.5)
7 Cirrhosis liver	7 Cirrhosis liver	<b>-15.7 (-27.3 to -2.37)</b>	-4.48 (-15.2 to 7.58)	<b>-16.7 (-27.7 to -2.98)</b>
8 Colorectal cancer	8 Cardiomyopathy	<b>-17.9 (-31.7 to -0.0851)</b>	-7.06 (-21 to 8.58)	<b>-27.8 (-37.8 to -17.3)</b>
9 Self-harm	9 Pancreatic cancer	<b>72.3 (17.3 to 139)</b>	<b>94.7 (35.8 to 166)</b>	29.1 (-4.17 to 73.2)
10 Diabetes	10 Urinary diseases	<b>141 (84.9 to 201)</b>	<b>173 (117 to 245)</b>	<b>46.1 (14.1 to 83.6)</b>
11 Stomach cancer	11 Hypertensive heart disease	<b>85.1 (26.3 to 145)</b>	<b>110 (45.5 to 180)</b>	14.3 (-26.3 to 72.9)
12 COPD	12 Diabetes	1.2 (-24.1 to 31.9)	14.6 (-13.5 to 44)	<b>-34 (-50.9 to -10.3)</b>
13 Breast cancer	13 Self-harm	<b>-13.1 (-26 to 1.54)</b>	<b>-1.57 (-15 to 13.3)</b>	<b>-12.4 (-25.7 to 4.07)</b>
14 Lower respiratory infect	14 Breast cancer	15.5 (-16.3 to 61.8)	30.6 (-3.38 to 74.6)	-11.8 (-30.4 to 12.5)
15 Alcohol use disorders	15 Prostate cancer	<b>81.1 (35.8 to 140)</b>	<b>105 (57.1 to 159)</b>	<b>20.1 (0.3 to 41.8)</b>
16 Pancreatic cancer	16 Stomach cancer	-7.37 (-22.1 to 8.9)	4.79 (-8.79 to 17.2)	<b>-31.5 (-37.6 to -25.7)</b>
17 Hypertensive heart disease	17 Atrial fibrillation	<b>147 (88 to 224)</b>	<b>179 (117 to 259)</b>	<b>16.4 (4.16 to 33.7)</b>
18 HIV/AIDS	18 Chronic kidney disease	<b>109 (46.8 to 177)</b>	<b>136 (68.3 to 205)</b>	40.2 (-1.02 to 95.9)
19 Road injuries	19 Lower respiratory infect	10.9 (-6.93 to 33.3)	<b>25.5 (7.55 to 45.3)</b>	<b>-17.3 (-30.8 to -1.24)</b>
20 Prostate cancer	20 Vascular intestinal	<b>73.8 (30.9 to 122)</b>	<b>96.5 (54.1 to 146)</b>	2.64 (-10.3 to 18.5)
22 Urinary diseases	21 Alcohol use disorders			
23 Chronic kidney disease	26 Road injuries			
24 Vascular intestinal	30 HIV/AIDS			
27 Atrial fibrillation	129 COVID-19			



### Australasia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	141 (118 to 166)	79.9 (63.1 to 96.4)	-2.21 (-5.86 to 1.92)
2 Alzheimer's disease	2 Ischemic heart disease	21.7 (-2.98 to 55.3)	-9.02 (-28.5 to 13.8)	<b>-48.9 (-61 to -33.5)</b>
3 Stroke	3 COPD	93.7 (62.8 to 128)	44.7 (21.6 to 70.2)	-10.7 (-24.7 to 7.46)
4 Lung cancer	4 Chronic kidney disease	235 (177 to 308)	150 (108 to 205)	37.6 (11.9 to 77)
5 COPD	5 Lung cancer	62.5 (32.2 to 97)	21.4 (0.776 to 44.5)	-11.7 (-25.6 to 2.21)
6 COVID-19	6 Stroke	25.5 (10 to 43.8)	-6.18 (-17.5 to 6.36)	<b>-45.7 (-53.4 to -36.1)</b>
7 Colorectal cancer	7 Colorectal cancer	99.6 (55.8 to 152)	49.1 (16.7 to 88.1)	-2.2 (-21.9 to 18.1)
8 Chronic kidney disease	8 Lower respiratory infect	128 (99.2 to 164)	70.2 (50.6 to 93.1)	<b>-12.7 (-24 to -0.982)</b>
9 Lower respiratory infect	9 Atrial fibrillation	200 (165 to 234)	124 (98.8 to 145)	20.5 (10.9 to 29.2)
10 Prostate cancer	10 Falls	125 (95.7 to 158)	68.5 (49.1 to 90.7)	-8.49 (-17.3 to 1.94)
11 Falls	11 Prostate cancer	112 (72.4 to 156)	58.2 (30.9 to 87.9)	-3.26 (-15.1 to 10.5)
12 Diabetes	12 Pancreatic cancer	137 (88.9 to 191)	76.9 (40.5 to 113)	26 (3.19 to 48.3)
13 Atrial fibrillation	13 Diabetes	77.7 (41.8 to 115)	32.8 (6.54 to 62.4)	<b>-21.5 (-36.4 to -3.42)</b>
14 Pancreatic cancer	14 Breast cancer	73.5 (42.6 to 111)	29.6 (8.32 to 55.8)	-8.41 (-21.1 to 6.62)
15 Breast cancer	15 Nonrheum valv diseases	208 (172 to 248)	130 (105 to 156)	22.6 (13 to 32.2)
16 Self-harm	16 Urinary diseases	262 (213 to 327)	170 (133 to 216)	42.6 (23 to 69.2)
17 Parkinson's disease	17 Parkinson's disease	104 (85.5 to 126)	52.1 (39.7 to 67.4)	-4.15 (-10.6 to 4.11)
18 Leukemia	18 Liver cancer	91.6 (69.9 to 117)	43.2 (26 to 62.2)	13.6 (-0.269 to 30)
19 Liver cancer	19 Endo/metab/blood/immune	142 (106 to 180)	80.5 (52 to 108)	16.8 (4.54 to 29.7)
20 Lymphoma	20 Leukemia	80 (51.5 to 110)	34.4 (14.5 to 53.5)	-8.34 (-19 to 2.77)
21 Nonrheum valv diseases	21 Lymphoma			
26 Endo/metab/blood/immune	22 Self-harm			
29 Urinary diseases	129 COVID-19			

### High-income Asia Pacific, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Alzheimer's disease	1 Alzheimer's disease	68.2 (53.2 to 85.2)	89.7 (75.9 to 104)	-11.2 (-14.4 to -7.48)
2 Stroke	2 Lower respiratory infect	64.6 (47 to 84.6)	85.6 (66.2 to 108)	-9.57 (-19.1 to 0.408)
3 Ischemic heart disease	3 Stroke	-13 (-23 to -1.17)	-1.88 (-13.5 to 10.7)	-46.6 (-52.8 to -39.4)
4 Lower respiratory infect	4 Lung cancer	31.5 (8.64 to 57.1)	48.3 (22.5 to 73.8)	-15.1 (-26.6 to -2.02)
5 Lung cancer	5 Chronic kidney disease	133 (89.5 to 175)	162 (115 to 211)	26 (3.39 to 52.3)
6 Colorectal cancer	6 Colorectal cancer	46.3 (15.5 to 82.4)	65.1 (32.4 to 103)	-8.08 (-25.3 to 10.3)
7 Stomach cancer	7 Ischemic heart disease	-21.9 (-37.7 to -3.88)	-11.9 (-29.6 to 9.57)	-56 (-65.5 to -44.5)
8 Chronic kidney disease	8 Pancreatic cancer	71.5 (38.9 to 107)	93.3 (60.2 to 129)	17 (-3.35 to 36)
9 Pancreatic cancer	9 Liver cancer	70.6 (50 to 93.5)	92.5 (69.1 to 117)	22.5 (8.92 to 36.1)
10 Liver cancer	10 COPD	74.7 (49.4 to 101)	97.1 (71.6 to 129)	-3.46 (-16.7 to 11.7)
11 COPD	11 Stomach cancer	-0.953 (-10.6 to 8.7)	11.7 (2.54 to 21.3)	-38.3 (-42.2 to -34.1)
12 COVID-19	12 Nonrheum valv diseases	113 (86.7 to 150)	140 (108 to 182)	6.73 (-4.23 to 18)
13 Self-harm	13 Hypertensive heart disease	116 (69.8 to 165)	144 (94.5 to 200)	18.1 (-5.08 to 46.7)
14 Cirrhosis liver	14 Urinary diseases	184 (143 to 238)	221 (174 to 278)	45.7 (26.5 to 70.6)
15 Gallbladder cancer	15 Interstitial lung disease	45 (27.6 to 62.1)	63.5 (47.3 to 80.2)	-5.44 (-14 to 3.14)
16 Interstitial lung disease	16 Atrial fibrillation	113 (95.3 to 135)	140 (121 to 163)	20.2 (12.4 to 29.8)
17 Aortic aneurysm	17 Cirrhosis liver	17.8 (6.54 to 31.5)	32.9 (20.3 to 45.8)	-6.26 (-14.2 to 2.56)
18 Nonrheum valv diseases	18 Falls	65.5 (44.2 to 86.1)	86.7 (66.1 to 107)	-8.38 (-15.2 to -0.809)
19 Parkinson's disease	19 Parkinson's disease	55.1 (43.4 to 69.2)	75 (62.8 to 87.8)	-0.313 (-5.9 to 7.03)
20 Falls	20 Prostate cancer	71.7 (39.7 to 107)	93.7 (57.1 to 130)	4.92 (-8.83 to 19.6)
21 Hypertensive heart disease	21 Self-harm			
24 Prostate cancer	22 Aortic aneurysm			
26 Atrial fibrillation	23 Gallbladder cancer			
28 Urinary diseases	132 COVID-19			

### High-income North America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	-3.8 (-20.1 to 14.6)	-11.3 (-24.8 to 5.89)	<b>-49.4 (-58.3 to -37.5)</b>
2 COVID-19	2 Alzheimer's disease	121 (98.7 to 142)	104 (87 to 122)	1.41 (-2.5 to 5.34)
3 COPD	3 Chronic kidney disease	166 (128 to 208)	145 (113 to 181)	41.6 (21.1 to 65.4)
4 Alzheimer's disease	4 COPD	65.7 (43.2 to 89.9)	52.8 (33.4 to 76.4)	-5.71 (-17.7 to 7.89)
5 Stroke	5 Lung cancer	32.6 (13.6 to 53.8)	22.3 (5.06 to 43.8)	<b>-12 (-22.5 to -0.336)</b>
6 Lung cancer	6 Stroke	8.47 (-3.32 to 20)	0.0221 (-9.48 to 8.55)	<b>-40.8 (-47 to -33.8)</b>
7 Chronic kidney disease	7 Hypertensive heart disease	109 (77.4 to 147)	92.4 (63.1 to 130)	21 (1.2 to 48.1)
8 Colorectal cancer	8 Colorectal cancer	54.9 (26.5 to 90.3)	42.9 (16.4 to 73.6)	-5.91 (-21.1 to 10.6)
9 Diabetes	9 Lower respiratory infect	70.2 (49 to 90.3)	56.9 (39.6 to 73.8)	<b>-10.6 (-20.3 to -1.24)</b>
10 Drug use disorders	10 Pancreatic cancer	90.5 (60.2 to 125)	75.6 (47.9 to 112)	26.3 (10.1 to 45.4)
11 Lower respiratory infect	11 Drug use disorders	49 (24.8 to 76.2)	37.3 (17.9 to 60)	33.5 (12.6 to 58.5)
12 Cirrhosis liver	12 Falls	90.5 (68 to 114)	75.7 (56.5 to 95.2)	-3.3 (-10.7 to 4.85)
13 Hypertensive heart disease	13 Atrial fibrillation	170 (140 to 209)	149 (124 to 176)	26.4 (16.7 to 34.7)
14 Pancreatic cancer	14 Endo/metab/blood/immune	116 (84.1 to 147)	98.8 (73 to 125)	28.7 (17.3 to 41)
15 Breast cancer	15 Prostate cancer	90.4 (64.2 to 122)	75.6 (52.6 to 103)	5.21 (-4.77 to 16.6)
16 Falls	16 Nonrheum valv diseases	194 (160 to 239)	171 (138 to 206)	32.8 (20.7 to 46.5)
17 Self-harm	17 Diabetes	11.5 (-6.21 to 30.6)	2.81 (-13.6 to 20.5)	<b>-34.8 (-44.8 to -24.3)</b>
18 Prostate cancer	18 Breast cancer	44.6 (23.6 to 66.8)	33.3 (15.6 to 52.1)	-6.38 (-16.7 to 4.66)
19 Endo/metab/blood/immune	19 Parkinson's disease	100 (79.7 to 121)	84.4 (67.3 to 101)	6.3 (-2.27 to 14.3)
20 Road injuries	20 Urinary diseases	200 (163 to 241)	176 (140 to 210)	50.6 (33.9 to 68.9)
21 Parkinson's disease	21 Cirrhosis liver			
22 Atrial fibrillation	23 Self-harm			
24 Nonrheum valv diseases	26 Road injuries			
29 Urinary diseases	129 COVID-19			

### Southern Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Lower respiratory infect	1 Lower respiratory infect	76.1 (54.8 to 101)	66.5 (48.8 to 86.3)	-17.5 (-27.5 to -7)
2 Ischemic heart disease	2 Chronic kidney disease	160 (116 to 205)	145 (104 to 188)	23.4 (0.722 to 47.7)
3 Stroke	3 Ischemic heart disease	0.157 (-20.7 to 27)	-5.25 (-25.3 to 19.7)	-50.6 (-62.5 to -35.2)
4 COVID-19	4 Alzheimer's disease	132 (104 to 164)	120 (100 to 140)	-1.66 (-4.78 to 2.15)
5 Chronic kidney disease	5 COPD	98.7 (67.3 to 128)	87.9 (61.7 to 118)	-6.22 (-20.8 to 9.11)
6 COPD	6 Stroke	6.47 (-8.34 to 22.1)	0.685 (-11.4 to 13.9)	-46.2 (-54.1 to -38.3)
7 Alzheimer's disease	7 Lung cancer	84.4 (51.6 to 122)	74.2 (48.7 to 105)	2.63 (-11.7 to 18.5)
8 Lung cancer	8 Colorectal cancer	87.7 (45.5 to 139)	77.3 (38.8 to 120)	-1.26 (-20.2 to 21.8)
9 Colorectal cancer	9 Hypertensive heart disease	125 (82.2 to 165)	112 (77.7 to 149)	2.71 (-17.2 to 24)
10 Diabetes	10 Urinary diseases	204 (164 to 249)	188 (156 to 228)	37.5 (20.2 to 57)
11 Hypertensive heart disease	11 Pancreatic cancer	151 (93.7 to 214)	137 (94.7 to 193)	36.9 (14.5 to 64.6)
12 Cirrhosis liver	12 Diabetes	45.5 (19.3 to 76.3)	37.7 (12.6 to 69.2)	-26.3 (-41.4 to -9.73)
13 Breast cancer	13 Prostate cancer	117 (79.1 to 159)	105 (77.6 to 139)	6.16 (-4.95 to 18.3)
14 Stomach cancer	14 Breast cancer	70.7 (42 to 108)	61.3 (37.4 to 92.4)	-4.67 (-17.7 to 11.5)
15 Prostate cancer	15 Cirrhosis liver	38 (23.3 to 55)	30.5 (20.1 to 40.8)	-14.7 (-21.1 to -8.72)
16 Urinary diseases	16 Stomach cancer	24.9 (11.9 to 40.7)	18.1 (9.77 to 27.4)	-33.8 (-37.6 to -29.6)
17 Pancreatic cancer	17 Cardiomyopathy	44.8 (25.9 to 67.9)	36.8 (23.1 to 54)	-25.1 (-30.9 to -18.8)
18 Road injuries	18 Other cardiovascular	56.4 (39 to 77.5)	47.9 (36.1 to 61.2)	-22.4 (-28 to -15.8)
19 Cardiomyopathy	19 Interstitial lung disease	123 (100 to 149)	111 (94.8 to 130)	9.47 (2.88 to 16.8)
20 Self-harm	20 Parkinson's disease	114 (90.1 to 139)	102 (84.8 to 120)	1.58 (-4.42 to 7.97)
21 Other cardiovascular	24 Road injuries			
22 Parkinson's disease	27 Self-harm			
23 Interstitial lung disease	134 COVID-19			

### Western Europe, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Alzheimer's disease	74.3 (62.7 to 84.9)	69.6 (59.5 to 79.3)	-3.72 (-5.72 to -1.7)
2 Alzheimer's disease	2 Ischemic heart disease	-16.9 (-30.6 to -2.24)	-19.1 (-32.6 to -4.75)	-52.2 (-61.6 to -41)
3 Stroke	3 Chronic kidney disease	149 (118 to 181)	142 (112 to 177)	35.9 (16.3 to 59.7)
4 COVID-19	4 COPD	54 (36.1 to 70.1)	49.9 (33.2 to 67.2)	-8.62 (-20.3 to 2.44)
5 Lung cancer	5 Lung cancer	20.9 (5.04 to 36.8)	17.6 (2.56 to 34.2)	-14.1 (-23.7 to -4.23)
6 COPD	6 Stroke	-14.1 (-21.6 to -6.74)	-16.4 (-23.9 to -8.67)	-48.8 (-54.6 to -43.2)
7 Lower respiratory infect	7 Lower respiratory infect	61.2 (50.3 to 72.4)	56.9 (45.7 to 67.8)	-10.7 (-18.9 to -2.49)
8 Colorectal cancer	8 Colorectal cancer	49.7 (22.5 to 78.1)	45.6 (21.2 to 75.4)	-5.72 (-19.8 to 10.5)
9 Chronic kidney disease	9 Hypertensive heart disease	83.1 (58.7 to 107)	78.2 (54.5 to 102)	2.36 (-14.5 to 19.8)
10 Hypertensive heart disease	10 Pancreatic cancer	83.7 (54.4 to 115)	78.7 (50.4 to 109)	25.4 (7.57 to 44.4)
11 Breast cancer	11 Atrial fibrillation	110 (98.3 to 124)	105 (93.9 to 119)	15.3 (11.6 to 19)
12 Pancreatic cancer	12 Prostate cancer	74.4 (54.5 to 98.7)	69.7 (50.2 to 93.7)	4.64 (-4.15 to 14.1)
13 Falls	13 Falls	61.1 (49 to 72.1)	56.7 (45.7 to 66.9)	-8.34 (-12.3 to -4.54)
14 Diabetes	14 Nonrheum valv diseases	127 (113 to 143)	121 (107 to 135)	24.1 (18.2 to 30.6)
15 Prostate cancer	15 Breast cancer	33 (15.6 to 50.1)	29.4 (12.9 to 48.2)	-11.1 (-20.5 to -0.967)
16 Atrial fibrillation	16 Diabetes	28 (9.8 to 46)	24.6 (8.05 to 43)	-27.1 (-38 to -14.8)
17 Nonrheum valv diseases	17 Urinary diseases	171 (150 to 192)	164 (144 to 185)	47.9 (35.2 to 63.8)
18 Cirrhosis liver	18 Parkinson's disease	66.2 (57.6 to 74.5)	61.8 (54.8 to 69)	1.54 (-2.14 to 5)
19 Parkinson's disease	19 Bladder cancer	52.1 (41.3 to 64.8)	48 (37.6 to 59.7)	-7.19 (-11.1 to -2.24)
20 Stomach cancer	20 Liver cancer	64.6 (49.4 to 77.5)	60.2 (45.8 to 72.4)	19.6 (7.68 to 30)
21 Bladder cancer	21 Cirrhosis liver			
24 Liver cancer	24 Stomach cancer			
25 Urinary diseases	131 COVID-19			

### Andean Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 COVID-19	1 Chronic kidney disease	250 (146 to 362)	193 (114 to 285)	36.9 (-4.83 to 95)
2 Lower respiratory infect	2 Lower respiratory infect	108 (67 to 150)	73.8 (42.7 to 108)	-23.3 (-36.7 to -6.66)
3 Ischemic heart disease	3 Ischemic heart disease	66 (4.47 to 145)	39.1 (-8.39 to 103)	-37.9 (-61 to -1.69)
4 Chronic kidney disease	4 Stroke	52.4 (19.8 to 89.5)	27.6 (0.997 to 55.2)	-38.4 (-51.6 to -22.1)
5 Stroke	5 Diabetes	94.6 (44.2 to 147)	63 (23.2 to 105)	-21.7 (-42.1 to 2.34)
6 Diabetes	6 Cirrhosis liver	88.3 (62.4 to 113)	57.7 (39.6 to 75.7)	-13 (-23.3 to -1.93)
7 Cirrhosis liver	7 Alzheimer's disease	220 (155 to 282)	168 (117 to 214)	0.402 (-2.42 to 2.86)
8 Stomach cancer	8 COPD	187 (117 to 272)	141 (85.4 to 210)	-2.54 (-30.4 to 30.3)
9 Road injuries	9 Stomach cancer	56.5 (36.2 to 77.8)	31 (18.1 to 46.2)	-35.5 (-40.3 to -30.5)
10 Alzheimer's disease	10 Interstitial lung disease	188 (145 to 239)	141 (108 to 179)	3.7 (-7.3 to 17.3)
11 Neonatal disorders	11 Lung cancer	153 (83.9 to 247)	111 (55.7 to 177)	4.27 (-20.3 to 31.8)
12 COPD	12 Prostate cancer	187 (102 to 301)	140 (74.2 to 226)	2.31 (-20.9 to 29.2)
13 Interstitial lung disease	13 Colorectal cancer	152 (68 to 271)	111 (44 to 203)	2.15 (-29.1 to 41.8)
14 Lung cancer	14 Hypertensive heart disease	186 (105 to 275)	140 (72.2 to 223)	2.73 (-31.7 to 46.5)
15 Colorectal cancer	15 Road injuries	20.1 (-19.3 to 77.1)	0.645 (-32 to 47.5)	-19.5 (-47 to 21.1)
16 Prostate cancer	16 Pancreatic cancer	232 (104 to 415)	178 (69.4 to 322)	37.3 (-14.1 to 105)
17 Congenital defects	17 Urinary diseases	268 (190 to 352)	208 (155 to 267)	29.9 (5.13 to 59.3)
18 Hypertensive heart disease	18 Breast cancer	102 (49.3 to 170)	68.7 (25.5 to 128)	-4.9 (-26.3 to 24.3)
19 Cervical cancer	19 Parkinson's disease	172 (127 to 230)	127 (95.2 to 165)	-5.75 (-16.2 to 5.33)
20 Tuberculosis	20 Falls	99.3 (68.3 to 140)	66.8 (46.3 to 92.2)	-12.1 (-18.5 to -4.99)
21 Breast cancer	22 Cervical cancer			
22 Falls	34 Neonatal disorders			
24 Pancreatic cancer	37 Tuberculosis			
29 Parkinson's disease	40 Congenital defects			
30 Urinary diseases	135 COVID-19			

### Caribbean, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	30 (-17.2 to 84.7)	25.5 (-20.4 to 86.3)	-32.9 (-59 to 6.6)
2 Stroke	2 Stroke	25.7 (-1.76 to 52.9)	21.3 (-4.83 to 50.2)	<b>-32.7 (-49.2 to -13.5)</b>
3 Diabetes	3 Chronic kidney disease	<b>132 (71.5 to 209)</b>	<b>124 (65.1 to 212)</b>	25.1 (-12.1 to 80.3)
4 Lower respiratory infect	4 Diabetes	<b>51.8 (13.6 to 90.1)</b>	<b>46.5 (9.46 to 92.7)</b>	-17.5 (-42.1 to 15.8)
5 COVID-19	5 Lower respiratory infect	<b>43.5 (20.8 to 71.7)</b>	<b>38.5 (18.5 to 65.2)</b>	<b>-30.6 (-43.1 to -14.8)</b>
6 Chronic kidney disease	6 Hypertensive heart disease	<b>120 (56.4 to 186)</b>	<b>112 (50.6 to 184)</b>	13.7 (-21.6 to 60.4)
7 Nature disaster	7 Alzheimer's disease	<b>149 (97.9 to 197)</b>	<b>140 (93.5 to 177)</b>	-0.891 (-3.54 to 1.29)
8 Hypertensive heart disease	8 Prostate cancer	<b>117 (42.9 to 199)</b>	<b>110 (46.2 to 177)</b>	3.21 (-22 to 29.6)
9 COPD	9 COPD	<b>73 (34.4 to 115)</b>	<b>67 (29.5 to 111)</b>	-16.6 (-38.7 to 11.7)
10 Lung cancer	10 Lung cancer	<b>60.6 (10.1 to 116)</b>	<b>54.9 (8.11 to 108)</b>	-11.5 (-34.1 to 14.2)
11 Neonatal disorders	11 Colorectal cancer	<b>91.6 (16.4 to 186)</b>	<b>84.7 (17.7 to 176)</b>	-0.302 (-31.6 to 40.7)
12 Cirrhosis liver	12 Nature disaster	16800 (-100 to 166000)	15600 (-100 to 162000)	16200 (-100 to 164000)
13 Prostate cancer	13 Cirrhosis liver	<b>37.4 (18.4 to 55.2)</b>	<b>32.6 (16.6 to 51.3)</b>	-9.58 (-21.2 to 5.89)
14 Alzheimer's disease	14 Falls	<b>104 (60.2 to 147)</b>	<b>96.5 (59.4 to 136)</b>	-9.85 (-19.9 to 1.2)
15 Colorectal cancer	15 Breast cancer	<b>72.6 (16.2 to 130)</b>	<b>66.3 (15.8 to 121)</b>	2.08 (-25.3 to 32.6)
16 Interpersonal violence	16 Road injuries	1.95 (-32.6 to 53.7)	-1.56 (-34.8 to 51.9)	-6.9 (-40 to 45.9)
17 Road injuries	17 Atrial fibrillation	<b>185 (127 to 240)</b>	<b>175 (123 to 223)</b>	<b>16.6 (6.29 to 27.8)</b>
18 HIV/AIDS	18 Pancreatic cancer	<b>143 (37.5 to 280)</b>	<b>135 (40.1 to 263)</b>	34.3 (-14.8 to 99.8)
19 Breast cancer	19 Parkinson's disease	<b>116 (86.1 to 151)</b>	<b>109 (83.6 to 135)</b>	-1.61 (-9.72 to 8.31)
20 Diarrheal diseases	20 Stomach cancer	<b>26.8 (11.8 to 46.6)</b>	<b>22.3 (9.6 to 34.7)</b>	<b>-27.2 (-32.1 to -21.5)</b>
21 Falls	23 Neonatal disorders			
24 Stomach cancer	24 Interpersonal violence			
27 Pancreatic cancer	27 Diarrheal diseases			
28 Atrial fibrillation	41 HIV/AIDS			
30 Parkinson's disease	136 COVID-19			

### Central Latin America, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	65.6 (2.12 to 151)	49 (-8.9 to 132)	-34.2 (-65.2 to 15.3)
2 COVID-19	2 Chronic kidney disease	178 (108 to 265)	150 (84.7 to 237)	27.2 (-14 to 81)
3 Diabetes	3 Diabetes	72 (34.8 to 113)	54.5 (19.6 to 98.9)	-23.5 (-44.8 to 4.54)
4 Chronic kidney disease	4 COPD	145 (92.9 to 202)	120 (69.8 to 168)	-13.1 (-38.8 to 24.8)
5 Stroke	5 Stroke	50.2 (19.1 to 84.5)	34.9 (5.62 to 73)	-37.7 (-55.8 to -13.6)
6 Interpersonal violence	6 Alzheimer's disease	227 (143 to 311)	193 (122 to 264)	1.05 (-3.28 to 3.87)
7 Lower respiratory infect	7 Lower respiratory infect	81.1 (56 to 104)	62.5 (42.3 to 86)	-25.1 (-38.3 to -11.2)
8 Cirrhosis liver	8 Cirrhosis liver	65.9 (51.9 to 81.2)	49 (35.6 to 64.1)	-6.29 (-15.9 to 5.43)
9 COPD	9 Hypertensive heart disease	175 (99.6 to 253)	148 (76.6 to 232)	3.03 (-34.1 to 54.1)
10 Road injuries	10 Urinary diseases	221 (178 to 270)	188 (144 to 231)	29.6 (4.68 to 61.3)
11 Alzheimer's disease	11 Lung cancer	115 (40.4 to 210)	92.3 (27.1 to 176)	-3.88 (-29.9 to 29.6)
12 Stomach cancer	12 Interpersonal violence	-32.4 (-61.6 to 20.9)	-39.6 (-63.9 to 4.7)	-39 (-65.2 to 5.26)
13 Lung cancer	13 Colorectal cancer	124 (37.1 to 238)	100 (25 to 203)	1.24 (-31.1 to 42.2)
14 Colorectal cancer	14 Prostate cancer	157 (62.3 to 268)	130 (47.9 to 227)	-3.41 (-29.6 to 26.6)
15 Hypertensive heart disease	15 Road injuries	8.88 (-32.8 to 76)	-1.98 (-41.1 to 63.4)	-14.6 (-48.7 to 45.3)
16 Neonatal disorders	16 Stomach cancer	43.7 (24.9 to 63.2)	28.9 (14.5 to 43.9)	-34.9 (-39.4 to -30.2)
17 Prostate cancer	17 Atrial fibrillation	267 (189 to 352)	229 (165 to 302)	18.6 (8.29 to 32.3)
18 Breast cancer	18 Pancreatic cancer	207 (72.3 to 396)	175 (58.5 to 341)	40.3 (-13.1 to 112)
19 Self-harm	19 Breast cancer	88.1 (28.2 to 160)	68.4 (18.6 to 135)	-3.23 (-27.3 to 27)
20 Urinary diseases	20 Falls	108 (64.7 to 148)	86.6 (50.4 to 122)	-9.87 (-16.4 to -0.743)
22 Falls	29 Self-harm			
24 Pancreatic cancer	43 Neonatal disorders			
29 Atrial fibrillation	136 COVID-19			



### Tropical Latin America, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Lower respiratory infect	111 (63.8 to 156)	87.9 (51.4 to 125)	-23.6 (-44.3 to 0.175)
2 Stroke	2 Ischemic heart disease	25.5 (-26.7 to 94.5)	12.2 (-34.1 to 82.2)	-44.3 (-67.9 to -4.94)
3 Lower respiratory infect	3 Alzheimer's disease	207 (136 to 281)	174 (126 to 224)	-7.1 (-9.72 to -4.65)
4 COVID-19	4 Stroke	29.4 (-9.71 to 72)	15.5 (-15.4 to 54.7)	-45.2 (-61.8 to -21.9)
5 Diabetes	5 Chronic kidney disease	186 (85.3 to 300)	155 (70.5 to 266)	20.1 (-23.7 to 83.6)
6 COPD	6 COPD	108 (40 to 177)	86 (31 to 153)	-20.4 (-45.5 to 18)
7 Alzheimer's disease	7 Diabetes	79.1 (26.2 to 139)	60 (16.2 to 114)	-23.7 (-47.3 to 9.39)
8 Interpersonal violence	8 Urinary diseases	268 (185 to 367)	228 (156 to 301)	28.4 (-3.47 to 74.4)
9 Chronic kidney disease	9 Hypertensive heart disease	167 (74.8 to 264)	138 (59.7 to 231)	4.88 (-33.6 to 60.9)
10 Road injuries	10 Lung cancer	84.2 (17.7 to 167)	64 (8.12 to 130)	-13.1 (-39.3 to 15.7)
11 Lung cancer	11 Colorectal cancer	106 (14.5 to 232)	83.6 (7.15 to 184)	-4.81 (-40.1 to 38.4)
12 Cirrhosis liver	12 Prostate cancer	172 (65.5 to 306)	142 (51.9 to 261)	3.78 (-26.8 to 39.5)
13 Hypertensive heart disease	13 Falls	130 (78.8 to 196)	106 (62.9 to 151)	-12 (-22.8 to 1.99)
14 Urinary diseases	14 Pancreatic cancer	183 (44.6 to 379)	152 (33.4 to 317)	30.7 (-25.2 to 102)
15 Colorectal cancer	15 Breast cancer	78 (14.4 to 155)	58.5 (6.8 to 130)	-6.3 (-32.7 to 27.5)
16 Stomach cancer	16 Cirrhosis liver	34.6 (9.93 to 59.7)	20.2 (1.76 to 39.8)	-17.4 (-30.6 to -1.07)
17 Breast cancer	17 Road injuries	5.95 (-34.3 to 62.5)	-5.3 (-36.9 to 45.4)	-10.8 (-41.6 to 42.3)
18 Prostate cancer	18 Atrial fibrillation	256 (173 to 359)	218 (156 to 297)	9.76 (-4.88 to 31.2)
19 Falls	19 Interpersonal violence	-25.9 (-61.6 to 33.8)	-34.1 (-64.6 to 24.5)	-27.6 (-62.5 to 42)
20 Neonatal disorders	20 Bacterial skin	339 (129 to 603)	292 (111 to 556)	81.6 (-8.22 to 224)
23 Pancreatic cancer	21 Stomach cancer			
28 Atrial fibrillation	54 Neonatal disorders			
37 Bacterial skin	136 COVID-19			

### North Africa and Middle East, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	72 (18.4 to 151)	27.3 (-15.2 to 90.5)	-43.2 (-65.1 to -5.62)
2 Stroke	2 Stroke	67.4 (31.6 to 108)	23.8 (-3.03 to 58.2)	-47.5 (-62.4 to -25)
3 COVID-19	3 Chronic kidney disease	301 (204 to 415)	197 (124 to 292)	32.2 (-7.37 to 95)
4 Chronic kidney disease	4 Hypertensive heart disease	252 (166 to 354)	160 (96.8 to 242)	5.42 (-29.7 to 57)
5 Hypertensive heart disease	5 Alzheimer's disease	326 (224 to 422)	215 (145 to 288)	7.14 (4.55 to 9.29)
6 Diabetes	6 Diabetes	160 (101 to 235)	92.5 (48.8 to 152)	-12.9 (-37.9 to 26.9)
7 Road injuries	7 COPD	181 (122 to 248)	108 (64 to 166)	-15.3 (-40.7 to 21.2)
8 Lower respiratory infect	8 Lower respiratory infect	98.2 (73.4 to 125)	46.5 (27.6 to 71.3)	-25.2 (-39.2 to -3.57)
9 Cirrhosis liver	9 Lung cancer	154 (72 to 255)	87.4 (30.5 to 160)	-9.99 (-33.1 to 17.9)
10 COPD	10 Cirrhosis liver	91 (69.5 to 112)	41.1 (25 to 58.8)	-30.3 (-39.4 to -17.7)
11 Neonatal disorders	11 Road injuries	29.1 (-14.4 to 99.4)	-4.42 (-38.4 to 50.6)	-22.3 (-51.4 to 25.6)
12 Lung cancer	12 Colorectal cancer	220 (105 to 375)	136 (51.6 to 248)	11.5 (-22.4 to 53.7)
13 Alzheimer's disease	13 Pancreatic cancer	342 (184 to 537)	226 (116 to 368)	52.8 (8.53 to 105)
14 Congenital defects	14 Liver cancer	219 (172 to 272)	136 (101 to 181)	19.7 (-1.22 to 48.6)
15 Conflict & terror	15 Conflict & terror	96.3 (-79.9 to 677)	45.4 (-85.4 to 487)	30.8 (-87 to 379)
16 Stomach cancer	16 Breast cancer	145 (65.9 to 245)	80.9 (22.8 to 151)	4.77 (-25 to 39.5)
17 Colorectal cancer	17 Stomach cancer	88.8 (66.3 to 114)	39.4 (24.3 to 52.7)	-32.9 (-37 to -28.7)
18 Breast cancer	18 Brain cancer	200 (175 to 229)	122 (103 to 139)	34.9 (29.9 to 40.3)
19 Other cardiovascular	19 Prostate cancer	275 (139 to 446)	176 (77.3 to 302)	3.23 (-25.2 to 33.9)
20 Leukemia	20 Other cardiovascular	110 (87.5 to 136)	55.5 (36.9 to 72.9)	-24.2 (-37 to -9.45)
22 Liver cancer	22 Leukemia			
24 Brain cancer	26 Congenital defects			
27 Pancreatic cancer	27 Neonatal disorders			
30 Prostate cancer	134 COVID-19			

### South Asia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	20.3 (-28.1 to 82.5)	7.66 (-33.7 to 67.1)	-51.4 (-73.7 to -13.5)
2 COPD	2 COPD	82.2 (35.4 to 132)	62.9 (22.4 to 115)	-35.4 (-56.4 to -0.966)
3 Stroke	3 Stroke	34.3 (5.35 to 67.3)	20 (-5.93 to 54.8)	-47.9 (-63.4 to -27.9)
4 Neonatal disorders	4 Diabetes	85.9 (41.1 to 138)	66.2 (21.8 to 120)	-28.3 (-52.4 to 8.8)
5 Lower respiratory infect	5 Diarrheal diseases	36 (5.18 to 69.7)	21.6 (-7.11 to 57.1)	-50.8 (-68 to -22.7)
6 Diarrheal diseases	6 Lower respiratory infect	23.8 (1.89 to 49.3)	10.5 (-7.04 to 31.3)	-44.8 (-54.6 to -30.8)
7 Tuberculosis	7 Falls	136 (80.8 to 203)	110 (71.5 to 158)	-13.6 (-22.2 to -3.72)
8 Diabetes	8 Chronic kidney disease	165 (91.5 to 254)	137 (72.7 to 227)	11.1 (-26.9 to 66.6)
9 Cirrhosis liver	9 Alzheimer's disease	260 (150 to 374)	221 (136 to 322)	-5.4 (-9.86 to -1.27)
10 Road injuries	10 Cirrhosis liver	55.9 (29.7 to 82.9)	39.3 (16.6 to 66.9)	-20.4 (-35.2 to -1.77)
11 Falls	11 Hypertensive heart disease	153 (83.8 to 229)	126 (68.2 to 206)	-11.3 (-42.6 to 35.8)
12 COVID-19	12 Tuberculosis	-31.1 (-57.8 to 2.2)	-38.3 (-61.9 to -3.83)	-65.7 (-80 to -42.6)
13 Chronic kidney disease	13 Road injuries	9.76 (-29.8 to 61.5)	-1.8 (-35.7 to 53.2)	-24.7 (-52.8 to 20.1)
14 Asthma	14 Urinary diseases	192 (152 to 239)	161 (129 to 199)	16.8 (-5.24 to 46)
15 Self-harm	15 Breast cancer	121 (35.5 to 230)	97 (32.2 to 177)	8.62 (-25 to 44.1)
16 Rheumatic heart disease	16 Self-harm	7.1 (-15.4 to 35.2)	-4.32 (-24.5 to 20.9)	-19.3 (-37.8 to 6.07)
17 Hypertensive heart disease	17 Lip oral cavity cancer	118 (87.7 to 149)	94.9 (77.3 to 112)	0.811 (-8.34 to 11.4)
18 Alzheimer's disease	18 Rheumatic heart disease	-0.941 (-32.4 to 36.6)	-11.4 (-39.6 to 26.3)	-54.9 (-71.8 to -29.7)
19 Breast cancer	19 Asthma	-8.57 (-24 to 9.39)	-18.3 (-31.7 to -3.89)	-63.9 (-71.4 to -52.6)
20 Congenital defects	20 Lung cancer	106 (30.4 to 198)	84 (22.2 to 155)	-7.66 (-33.7 to 22.5)
21 Lung cancer	21 Neonatal disorders			
22 Lip oral cavity cancer	52 Congenital defects			
23 Urinary diseases	133 COVID-19			

### East Asia, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	27.5 (2.84 to 56.9)	46.4 (19.9 to 83.5)	-47.6 (-58.1 to -32)
2 Ischemic heart disease	2 COPD	123 (74.8 to 177)	156 (103 to 218)	-21.6 (-40.8 to 5.22)
3 COPD	3 Ischemic heart disease	17.5 (-15.7 to 57.8)	35 (-2.83 to 86.1)	-55.7 (-70.3 to -35.8)
4 Lung cancer	4 Alzheimer's disease	230 (161 to 316)	278 (212 to 360)	-0.575 (-4.32 to 3.49)
5 Alzheimer's disease	5 Lung cancer	79.5 (27.7 to 144)	106 (50.8 to 171)	-7.25 (-26.2 to 15.8)
6 Stomach cancer	6 Hypertensive heart disease	192 (114 to 293)	235 (148 to 366)	6.55 (-26.1 to 54.8)
7 Hypertensive heart disease	7 Colorectal cancer	128 (51.5 to 219)	161 (84.2 to 260)	15.4 (-13.6 to 47.7)
8 Esophageal cancer	8 Esophageal cancer	79.1 (52.1 to 109)	105 (80.1 to 135)	-0.257 (-10.6 to 10.6)
9 Colorectal cancer	9 Chronic kidney disease	145 (86.1 to 203)	182 (120 to 262)	7.97 (-20.7 to 46)
10 Road injuries	10 Stomach cancer	18.5 (-1.2 to 40.7)	35.9 (17.3 to 57.9)	-37.2 (-42.2 to -32.2)
11 Lower respiratory infect	11 Lower respiratory infect	121 (85 to 160)	153 (113 to 191)	-29.7 (-39.2 to -18.1)
12 Chronic kidney disease	12 Pancreatic cancer	150 (73.3 to 234)	186 (108 to 283)	38.4 (4.77 to 75.8)
13 Diabetes	13 Falls	116 (65 to 173)	148 (99.1 to 206)	-13 (-20.9 to -4.4)
14 Liver cancer	14 Liver cancer	71.8 (27.4 to 126)	97.3 (47.8 to 161)	10.9 (-19.8 to 55.6)
15 Cirrhosis liver	15 Diabetes	56.2 (22.6 to 99.3)	79.3 (41.3 to 140)	-29.2 (-47 to -2.96)
16 Falls	16 Atrial fibrillation	322 (231 to 442)	384 (288 to 507)	20.4 (8.12 to 33.7)
17 Self-harm	17 Parkinson's disease	170 (124 to 223)	210 (168 to 257)	-1.8 (-9.83 to 7.67)
18 Pancreatic cancer	18 Cirrhosis liver	22.2 (-3.18 to 53.5)	40.3 (13.8 to 78.2)	-20.6 (-37.2 to 1.83)
19 COVID-19	19 Road injuries	-19 (-43.6 to 15.5)	-6.9 (-36.1 to 34.2)	-21.3 (-49.1 to 24.1)
20 Parkinson's disease	20 Self-harm	26.5 (2.98 to 51.1)	45.2 (22.4 to 72.3)	-14.8 (-29.5 to 4.11)
24 Atrial fibrillation	133 COVID-19			

### Oceania, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Ischemic heart disease	1 Ischemic heart disease	106 (38.8 to 197)	10.9 (-25.2 to 59.2)	-27.5 (-55.1 to 11.8)
2 Stroke	2 Stroke	122 (71.6 to 170)	19.2 (-5.08 to 44.3)	-25.3 (-43.7 to -3.67)
3 Lower respiratory infect	3 Diabetes	126 (69.8 to 184)	21.5 (-5.8 to 53.6)	-17.4 (-40.3 to 13.1)
4 Diabetes	4 COPD	147 (87.5 to 213)	32.8 (2.51 to 73.4)	-23.8 (-44.7 to 3.62)
5 COPD	5 Lower respiratory infect	-10.7 (-26.5 to 5.76)	-51.9 (-59.8 to -42.3)	-47 (-56.8 to -35.9)
6 Neonatal disorders	6 Chronic kidney disease	248 (155 to 352)	87 (39.1 to 148)	31.7 (-6.09 to 87.9)
7 Malaria	7 Malaria	141 (-82.9 to 534)	30.3 (-90.1 to 221)	18.1 (-86.5 to 201)
8 COVID-19	8 Diarrheal diseases	35.6 (-9.14 to 89.2)	-27 (-51.1 to 5.36)	-33.2 (-58.7 to 1.46)
9 Diarrheal diseases	9 Lung cancer	181 (92.5 to 287)	51.2 (8.21 to 105)	-0.674 (-21.4 to 25.9)
10 Tuberculosis	10 Hypertensive heart disease	162 (79.2 to 259)	40.9 (0.535 to 94.5)	-10.8 (-42.8 to 36.6)
11 Congenital defects	11 Road injuries	45.9 (-15.4 to 143)	-21.4 (-53.8 to 36.3)	-27.6 (-57 to 24.2)
12 Road injuries	12 Neonatal disorders	-31.3 (-60 to 8.3)	-63.1 (-77.8 to -43.2)	-49.3 (-68 to -23.9)
13 Asthma	13 Alzheimer's disease	327 (210 to 461)	130 (72.4 to 191)	3.59 (-0.84 to 7.87)
14 Chronic kidney disease	14 Tuberculosis	-12.9 (-41.1 to 21.7)	-53.1 (-68.2 to -32.4)	-64 (-76.4 to -46.1)
15 Lung cancer	15 Congenital defects	-7.97 (-25.9 to 15.1)	-50.6 (-59.1 to -40)	-35.4 (-44.3 to -25.1)
16 Hypertensive heart disease	16 Asthma	21.5 (-1.08 to 48.6)	-34.6 (-45.1 to -21.5)	-58.1 (-66.5 to -49.4)
17 Drowning	17 Breast cancer	140 (66.7 to 232)	29.1 (-8.39 to 81.2)	-0.663 (-25 to 28.2)
18 Rheumatic heart disease	18 Prostate cancer	263 (148 to 408)	94.9 (36.2 to 163)	3.93 (-13 to 23.2)
19 Pertussis	19 Stomach cancer	79.4 (50.1 to 114)	-3.6 (-15.8 to 9.85)	-33.8 (-38.1 to -28.7)
20 Measles	20 Cirrhosis liver	45.4 (19.4 to 75.5)	-21.8 (-34.3 to -4.23)	-37.6 (-49.1 to -21.9)
22 Breast cancer	22 Drowning			
23 Stomach cancer	24 Pertussis			
24 Cirrhosis liver	27 Rheumatic heart disease			
27 Alzheimer's disease	67 Measles			
33 Prostate cancer	132 COVID-19			

### Southeast Asia, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Stroke	1 Stroke	42.1 (23 to 62.4)	25.9 (7 to 45.3)	-43.6 (-53.3 to -32.6)
2 Ischemic heart disease	2 Ischemic heart disease	22.7 (-7.77 to 56.7)	8.75 (-18.8 to 40.5)	-50.2 (-64.9 to -30.3)
3 Lower respiratory infect	3 COPD	131 (92.3 to 168)	105 (71.7 to 141)	-17.6 (-34.8 to 3.99)
4 COPD	4 Chronic kidney disease	171 (121 to 229)	140 (92.1 to 200)	18.3 (-8.38 to 58)
5 Diabetes	5 Lower respiratory infect	87 (69.9 to 106)	65.5 (50.4 to 81.2)	-30.8 (-38.4 to -21.2)
6 Cirrhosis liver	6 Hypertensive heart disease	174 (108 to 244)	142 (82.3 to 211)	7.82 (-23.6 to 47.6)
7 Chronic kidney disease	7 Alzheimer's disease	268 (201 to 339)	225 (172 to 283)	-0.0147 (-3.01 to 2.64)
8 Tuberculosis	8 Cirrhosis liver	75.7 (55.8 to 95)	55.5 (37.4 to 73.1)	-7.36 (-18.4 to 6.24)
9 Lung cancer	9 Diabetes	67.7 (38.3 to 101)	48.6 (20.9 to 77.9)	-28.9 (-44.4 to -9.82)
10 Hypertensive heart disease	10 Lung cancer	110 (56.4 to 161)	85.4 (46 to 129)	-3.87 (-20.9 to 12.9)
11 COVID-19	11 Colorectal cancer	141 (71.4 to 213)	113 (55.9 to 174)	8.37 (-15.8 to 34.3)
12 Road injuries	12 Diarrheal diseases	95.8 (35.8 to 174)	73.5 (19.6 to 145)	-26.8 (-49.4 to 10)
13 Alzheimer's disease	13 Tuberculosis	-15.1 (-36.9 to 8.27)	-24.8 (-44.3 to -2.54)	-59.5 (-70.9 to -43.3)
14 Neonatal disorders	14 Road injuries	6.69 (-18.9 to 43.2)	-5.47 (-29.3 to 30.6)	-20.3 (-42.1 to 10.9)
15 Colorectal cancer	15 Breast cancer	93.2 (47 to 144)	70.8 (29.6 to 112)	5.62 (-14.8 to 29.1)
16 Diarrheal diseases	16 Falls	121 (80.2 to 157)	95.4 (62.2 to 124)	-10.4 (-15.1 to -5.75)
17 Breast cancer	17 Liver cancer	161 (110 to 232)	132 (80.6 to 198)	31.2 (0.553 to 76.3)
18 Asthma	18 Urinary diseases	223 (188 to 262)	186 (154 to 222)	21.2 (3.44 to 44.3)
19 Falls	19 Atrial fibrillation	338 (259 to 416)	287 (223 to 350)	17 (10.7 to 23.3)
20 Liver cancer	20 Parkinson's disease	226 (186 to 268)	189 (159 to 217)	1.94 (-3.38 to 8.31)
24 Urinary diseases	25 Asthma			
32 Parkinson's disease	35 Neonatal disorders			
35 Atrial fibrillation	134 COVID-19			

### Central sub-Saharan Africa, Reference scenario

**Legend:**  
 Communicable, maternal, neonatal and nutritional  
 Non-communicable  
 Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Malaria	1 Lower respiratory infect	72.1 (35.2 to 115)	-3.93 (-19.3 to 11.6)	-29.8 (-38.3 to -19.9)
2 Neonatal disorders	2 Stroke	73.9 (33 to 123)	-2.85 (-20.9 to 18.2)	-47.6 (-57.8 to -34.3)
3 Tuberculosis	3 Ischemic heart disease	79.6 (25.3 to 157)	0.42 (-29.2 to 42.3)	-45.7 (-62.8 to -20.5)
4 Lower respiratory infect	4 Hypertensive heart disease	233 (153 to 332)	86.1 (47.3 to 131)	-9.45 (-29.3 to 16.8)
5 Stroke	5 Road injuries	28.4 (-27.7 to 120)	-28 (-59.6 to 28.9)	-37.3 (-63.1 to 6.73)
6 Road injuries	6 Chronic kidney disease	205 (134 to 302)	70.5 (32.4 to 118)	2.9 (-19.5 to 32.7)
7 Ischemic heart disease	7 Tuberculosis	-15 (-40 to 18.1)	-52.5 (-66.3 to -32)	-66.7 (-75.9 to -52.1)
8 COVID-19	8 Diabetes	136 (76.3 to 215)	31.8 (2.13 to 68.5)	-23.1 (-40.5 to 0.0808)
9 HIV/AIDS	9 Cirrhosis liver	98.3 (58.3 to 149)	10.8 (-5.91 to 29.7)	-26.8 (-36.8 to -14.4)
10 Diarrheal diseases	10 Neonatal disorders	-39.6 (-57.4 to -19.7)	-66.3 (-74.5 to -55.7)	-48.3 (-59.6 to -34.9)
11 Cirrhosis liver	11 Malaria	-53.7 (-94.8 to 176)	-74.4 (-97.3 to 56.1)	-70 (-96.4 to 78.5)
12 Hypertensive heart disease	12 COPD	139 (82.2 to 207)	33.3 (7.17 to 62.7)	-30.7 (-43.9 to -14.9)
13 Diabetes	13 Diarrheal diseases	21.9 (-15.4 to 75.5)	-31.9 (-52.2 to -4.59)	-37.9 (-52.8 to -15.4)
14 Chronic kidney disease	14 Alzheimer's disease	338 (207 to 488)	144 (82.2 to 202)	0.369 (-2.54 to 3.87)
15 Congenital defects	15 Self-harm	120 (72.1 to 173)	22.6 (3.01 to 43.2)	-13.7 (-26.9 to 0.115)
16 COPD	16 HIV/AIDS	-41.2 (-62.6 to -1.47)	-67.2 (-78.1 to -47)	-73.1 (-81.5 to -57.7)
17 Maternal disorders	17 Breast cancer	214 (117 to 332)	75.2 (30.4 to 119)	10.6 (-9.2 to 31.2)
18 Pertussis	18 Cervical cancer	107 (62.1 to 159)	15.7 (-1.87 to 41)	-25.5 (-36.3 to -9.66)
19 Meningitis	19 Cardiomyopathy	133 (83.2 to 186)	30.2 (14.1 to 46.4)	-19.9 (-23.7 to -16)
20 Self-harm	20 Prostate cancer	337 (181 to 554)	143 (68.1 to 226)	21.3 (-2.92 to 47.8)
22 Cervical cancer	23 Congenital defects			
26 Alzheimer's disease	27 Meningitis			
27 Cardiomyopathy	28 Pertussis			
29 Breast cancer	29 Maternal disorders			
41 Prostate cancer	136 COVID-19			

### Eastern sub-Saharan Africa, Reference scenario

**Legend:**  
Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Stroke	77.8 (49.7 to 109)	-1.18 (-17.6 to 18.8)	-46.4 (-56.3 to -33.3)
2 Lower respiratory infect	2 Lower respiratory infect	42.3 (23.1 to 60.5)	-20.9 (-32.3 to -8.87)	-36.8 (-44.4 to -27.6)
3 HIV/AIDS	3 Chronic kidney disease	254 (185 to 332)	96.6 (55.1 to 147)	16.1 (-10.1 to 49.3)
4 Stroke	4 Ischemic heart disease	76.7 (21.2 to 149)	-1.75 (-32.3 to 43.3)	-46.7 (-64.4 to -20.8)
5 Tuberculosis	5 Diarrheal diseases	18.8 (-16.7 to 70.5)	-34 (-54.1 to -7.03)	-41.8 (-57.9 to -16.1)
6 COVID-19	6 Neonatal disorders	-41.4 (-58 to -23.8)	-67.5 (-74.9 to -57.8)	-48.7 (-59.8 to -33.7)
7 Diarrheal diseases	7 Hypertensive heart disease	184 (131 to 246)	57.8 (27.2 to 97.4)	-21.3 (-39.2 to 0.797)
8 Malaria	8 Cirrhosis liver	97.9 (73.3 to 128)	10 (-5.75 to 30.1)	-34 (-42.8 to -22)
9 Ischemic heart disease	9 Diabetes	118 (74.4 to 169)	21.1 (-4.19 to 53.5)	-31.4 (-46.9 to -12.3)
10 Cirrhosis liver	10 Tuberculosis	-14.3 (-38.5 to 20.6)	-52.4 (-65.8 to -31.2)	-68.9 (-77.6 to -55.8)
11 Congenital defects	11 Alzheimer's disease	306 (227 to 370)	125 (85.5 to 165)	-0.573 (-2.69 to 1.25)
12 Diabetes	12 Road injuries	52.1 (-2.67 to 143)	-15.4 (-46.4 to 36.2)	-37 (-58.6 to -1.86)
13 Chronic kidney disease	13 COPD	122 (90.5 to 155)	23.5 (3.26 to 44.5)	-35.9 (-47.3 to -21.5)
14 Road injuries	14 Breast cancer	240 (168 to 311)	88.6 (48.1 to 133)	13.1 (-4.05 to 33)
15 Hypertensive heart disease	15 Urinary diseases	232 (204 to 266)	84.5 (65.9 to 103)	10.6 (-1.58 to 23.3)
16 Meningitis	16 Self-harm	117 (88.1 to 148)	20.5 (4.17 to 40.3)	-18.1 (-28.2 to -5.44)
17 Protein-energy malnutrition	17 Colorectal cancer	289 (175 to 386)	116 (56.3 to 183)	19.3 (-5.41 to 45)
18 COPD	18 Falls	182 (137 to 220)	56.5 (32.5 to 78.7)	-7.11 (-10.2 to -4)
19 Maternal disorders	19 Esophageal cancer	175 (151 to 196)	52.7 (36.5 to 68.8)	-16.3 (-22.9 to -9.24)
20 Measles	20 Cervical cancer	121 (90.3 to 157)	22.6 (4.55 to 47.5)	-24.8 (-35.6 to -9.74)
22 Self-harm	21 HIV/AIDS			
24 Cervical cancer	22 Congenital defects			
25 Alzheimer's disease	25 Meningitis			
26 Breast cancer	31 Protein-energy malnutrition			
27 Urinary diseases	32 Malaria			
28 Falls	34 Maternal disorders			
31 Esophageal cancer	89 Measles			



### Southern sub-Saharan Africa, Reference scenario

**Legend:**

Communicable, maternal, neonatal and nutritional  
Non-communicable  
Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 HIV/AIDS	1 Lower respiratory infect	46.8 (29.1 to 64.2)	20.7 (9.74 to 32.1)	-23.2 (-29.6 to -15.6)
2 COVID-19	2 Stroke	30.3 (15 to 47)	7.17 (-5.26 to 20.9)	-45.5 (-51.8 to -37.5)
3 Stroke	3 Diabetes	60.3 (37.5 to 85.9)	31.9 (15.4 to 52.4)	-28.9 (-38.8 to -15.5)
4 Lower respiratory infect	4 Hypertensive heart disease	160 (119 to 204)	114 (83.6 to 150)	5.21 (-13.2 to 26.2)
5 Diabetes	5 Ischemic heart disease	32.3 (2.72 to 66.4)	8.91 (-14.4 to 39.9)	-43.6 (-57.4 to -25.8)
6 Ischemic heart disease	6 Chronic kidney disease	168 (125 to 210)	120 (87.7 to 157)	22.3 (2.63 to 45.4)
7 Tuberculosis	7 COPD	109 (83.6 to 137)	72.1 (53.7 to 94.8)	-12.5 (-23.2 to -0.344)
8 Neonatal disorders	8 HIV/AIDS	-76 (-79.8 to -72.4)	-80.3 (-82.7 to -78)	-82.8 (-84.7 to -81.1)
9 Road injuries	9 Diarrheal diseases	26.1 (-7.15 to 64.2)	3.74 (-22.7 to 33.3)	-26.2 (-43.5 to -2.19)
10 Interpersonal violence	10 Road injuries	4.4 (-27.6 to 56.1)	-14.1 (-39.6 to 29.6)	-22.5 (-45.3 to 18.4)
11 Diarrheal diseases	11 Tuberculosis	-30.1 (-45.6 to -11.5)	-42.5 (-55.6 to -25.1)	-59.9 (-69.4 to -47.5)
12 Hypertensive heart disease	12 Alzheimer's disease	191 (149 to 226)	139 (114 to 166)	-0.438 (-3.19 to 2.32)
13 Chronic kidney disease	13 Prostate cancer	183 (128 to 242)	133 (90.1 to 180)	16.3 (-1.38 to 33.9)
14 COPD	14 Lung cancer	86.2 (52.8 to 119)	53 (27.2 to 76.4)	-12.8 (-24.5 to -0.838)
15 Self-harm	15 Neonatal disorders	-28.7 (-43.4 to -11.4)	-41.4 (-52.1 to -28.9)	-17.8 (-30.9 to -1.07)
16 Cirrhosis liver	16 Interpersonal violence	-24.9 (-35.3 to -15.4)	-38.3 (-43.9 to -32.4)	-39.3 (-44.9 to -33.1)
17 Lung cancer	17 Cirrhosis liver	53 (35.8 to 71.3)	25.8 (14.7 to 37.4)	-19 (-25.7 to -11.6)
18 Breast cancer	18 Breast cancer	96.1 (55.2 to 132)	61.1 (34.3 to 86.7)	-3.65 (-15.8 to 9.05)
19 Cervical cancer	19 Self-harm	17 (1.2 to 32.5)	-3.78 (-14.7 to 8.39)	-14.8 (-24.2 to -3.91)
20 Alzheimer's disease	20 Colorectal cancer	130 (78.1 to 181)	89 (51.5 to 128)	5.37 (-11.9 to 23.6)
22 Prostate cancer	24 Cervical cancer			
26 Colorectal cancer	133 COVID-19			

### Western sub-Saharan Africa, Reference scenario

**Legend:**  
■ Communicable, maternal, neonatal and nutritional  
■ Non-communicable  
■ Injuries

Leading Causes 2022	Leading Causes 2050	Mean % change number of DEATH	Mean % change all-age DEATH rate	Mean % change age-standardized DEATH rate
1 Neonatal disorders	1 Lower respiratory infect	21.6 (5.36 to 39.6)	-37.4 (-45.6 to -27.3)	-34.1 (-42 to -24.6)
2 Malaria	2 Malaria	-14.4 (-81.1 to 221)	-55.9 (-89.7 to 62.5)	-57.3 (-89.6 to 56.1)
3 Lower respiratory infect	3 Stroke	80 (54.7 to 109)	-7.31 (-22.2 to 8.77)	-46.1 (-55.7 to -34.2)
4 Diarrheal diseases	4 Neonatal disorders	-22.6 (-38.3 to -3.08)	-60.2 (-67.7 to -49.2)	-41.2 (-52.2 to -27.2)
5 Stroke	5 Ischemic heart disease	91 (40.9 to 152)	-1.63 (-28.3 to 32.4)	-44 (-60.5 to -21.8)
6 Ischemic heart disease	6 Chronic kidney disease	267 (203 to 341)	89.1 (52.2 to 132)	20.3 (-4.57 to 52.7)
7 HIV/AIDS	7 Diarrheal diseases	-17.5 (-42.7 to 18.3)	-57.5 (-70.9 to -41)	-51.4 (-64.4 to -32.2)
8 Congenital defects	8 Diabetes	149 (107 to 196)	28.1 (3.03 to 52.9)	-22.4 (-38.1 to -3.55)
9 Tuberculosis	9 Hypertensive heart disease	192 (135 to 260)	50.2 (22.1 to 86.5)	-15.6 (-33.9 to 7.46)
10 Cirrhosis liver	10 Cirrhosis liver	84.4 (60.6 to 113)	-5.04 (-18.5 to 10.7)	-35.7 (-44.1 to -24.7)
11 Road injuries	11 Road injuries	52.5 (-1.5 to 141)	-21.4 (-49.5 to 26)	-35.5 (-56.9 to 1.1)
12 Diabetes	12 Tuberculosis	-3.99 (-29.5 to 32.4)	-50.5 (-64.6 to -31.4)	-64.8 (-74.1 to -51)
13 Chronic kidney disease	13 Prostate cancer	286 (181 to 397)	98.7 (43.6 to 151)	4.06 (-15.2 to 23.8)
14 Meningitis	14 Congenital defects	-14.6 (-29.1 to 3.84)	-56.1 (-62.4 to -47.7)	-38.4 (-45.7 to -27.6)
15 Maternal disorders	15 Breast cancer	241 (155 to 324)	75.4 (35.8 to 121)	16.9 (-4.65 to 39.3)
16 Hypertensive heart disease	16 Alzheimer's disease	327 (248 to 414)	119 (79.6 to 163)	4.89 (1.75 to 7.74)
17 COVID-19	17 COPD	124 (92.5 to 159)	15.4 (-3.15 to 35.2)	-35.3 (-47.1 to -20.8)
18 iNTS	18 Falls	173 (131 to 221)	40.6 (19.7 to 61.3)	-8.51 (-11.7 to -4.99)
19 Pertussis	19 HIV/AIDS	-59 (-68.7 to -52.1)	-78.9 (-83.6 to -75.6)	-82.1 (-86.1 to -79.5)
20 COPD	20 Liver cancer	185 (138 to 242)	47 (20.3 to 80.8)	-5.88 (-23.6 to 18.2)
25 Breast cancer	21 Meningitis			
27 Prostate cancer	24 Maternal disorders			
29 Falls	26 iNTS			
30 Liver cancer	31 Pertussis			
31 Alzheimer's disease	136 COVID-19			

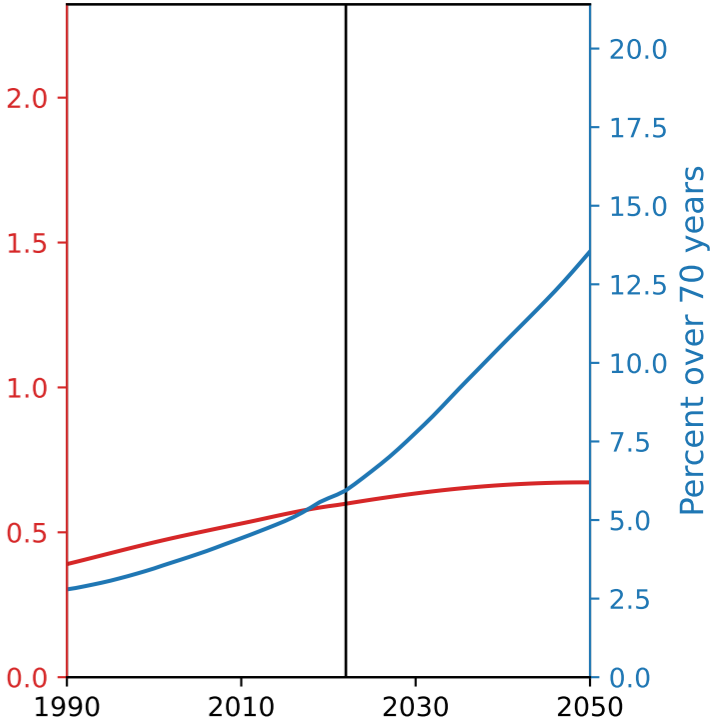
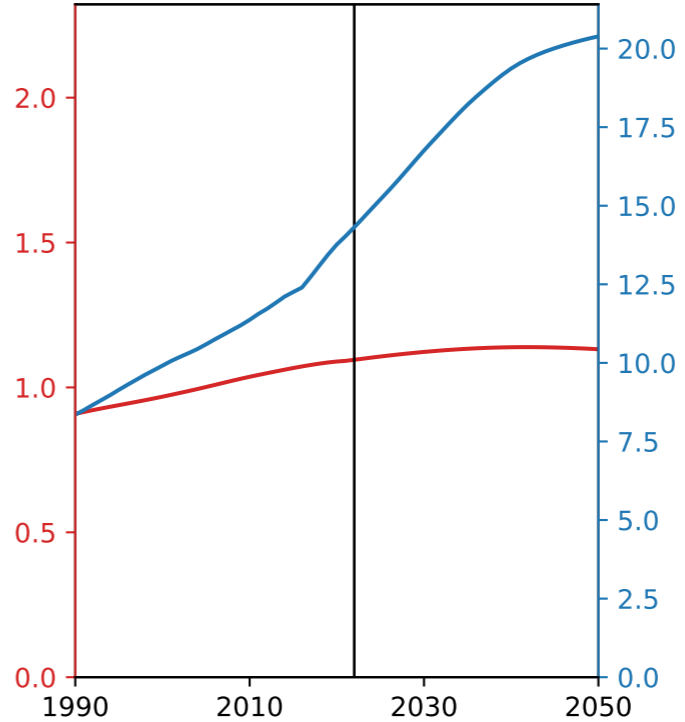
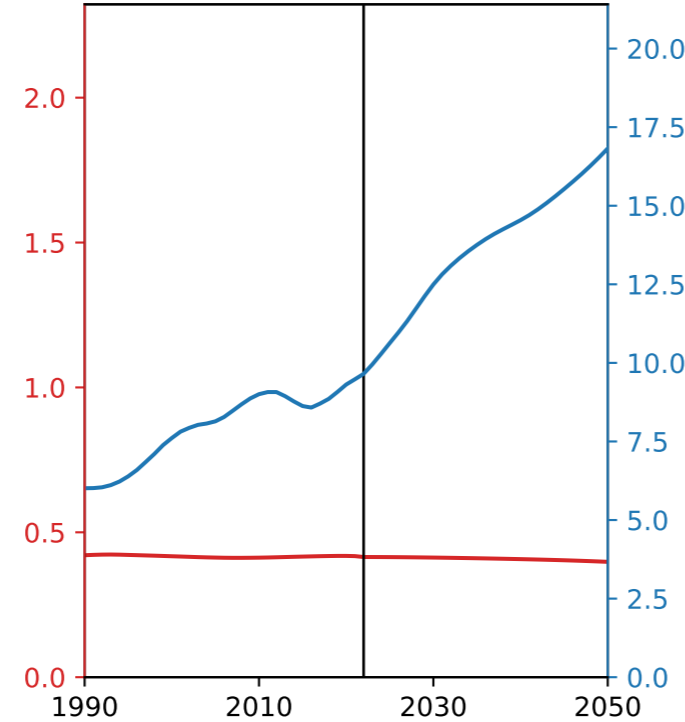
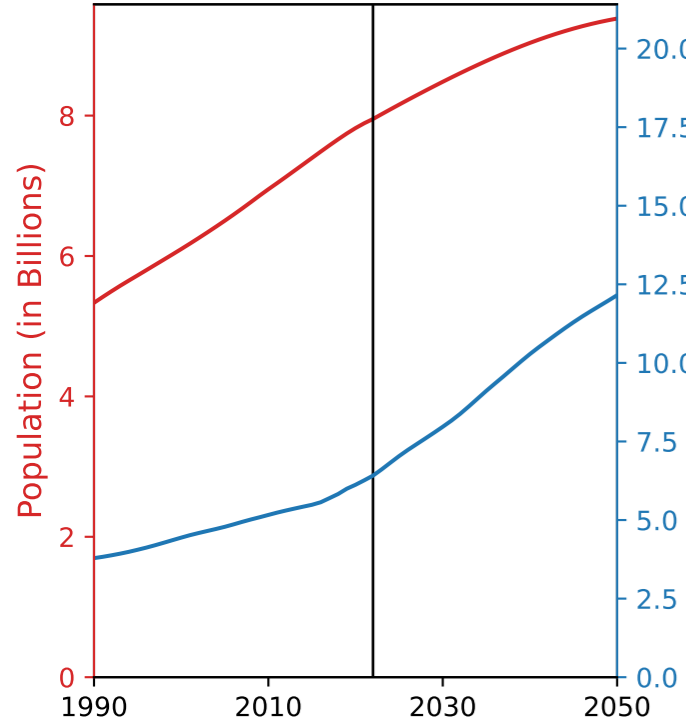
Central Europe,  
Eastern Europe, And  
Central Asia

Global

High Income

Latin America And  
Caribbean

1410

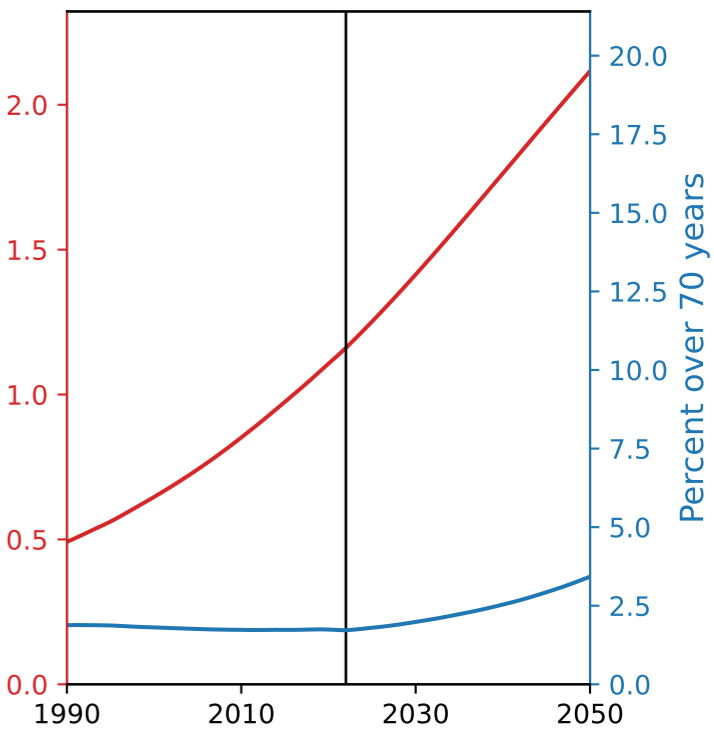
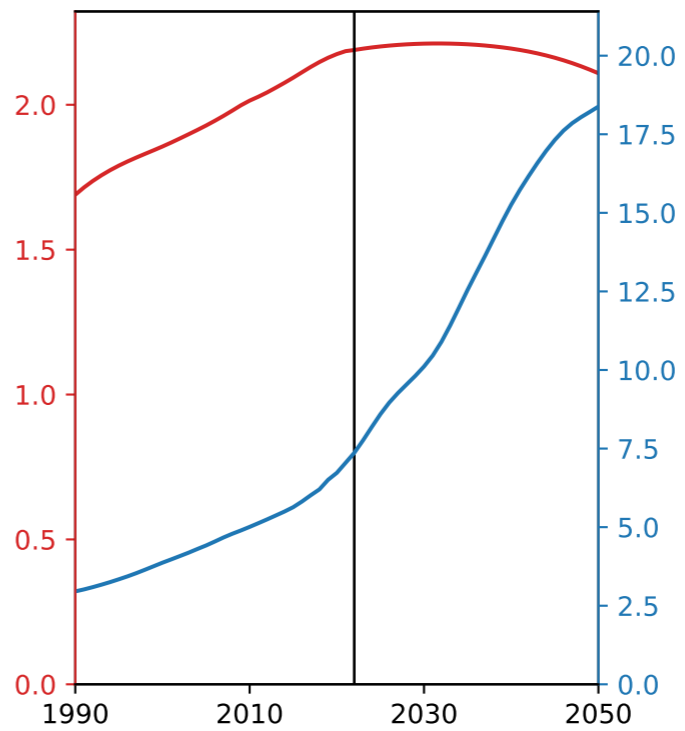
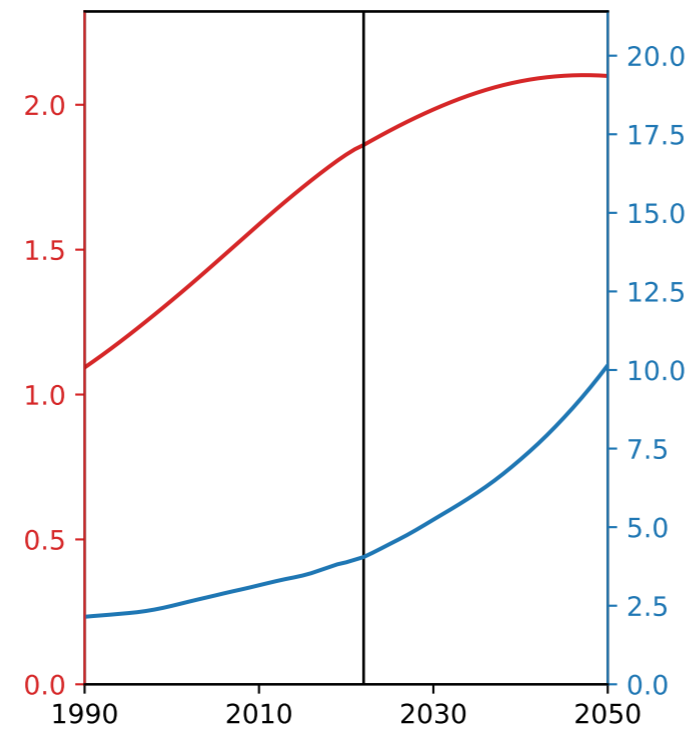
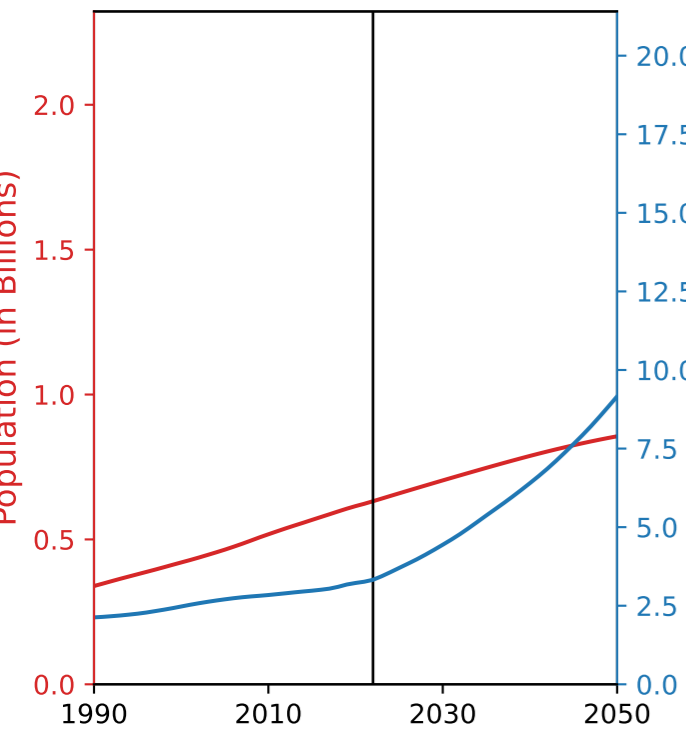


North Africa And  
Middle East

South Asia

Southeast Asia, East  
Asia, And Oceania

Sub-Saharan Africa



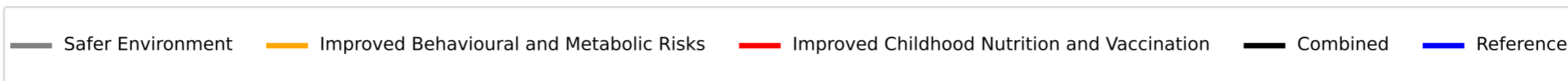
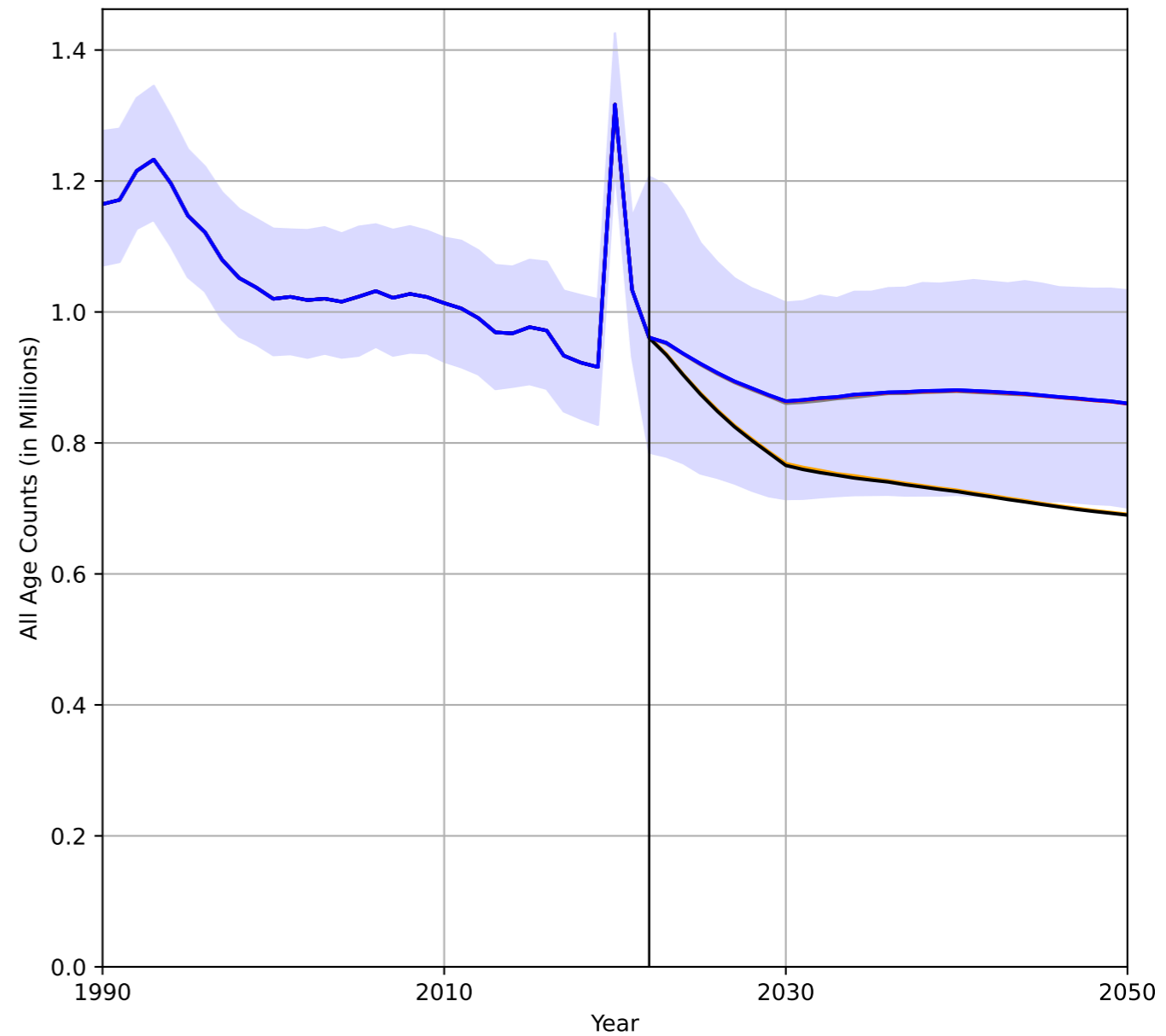
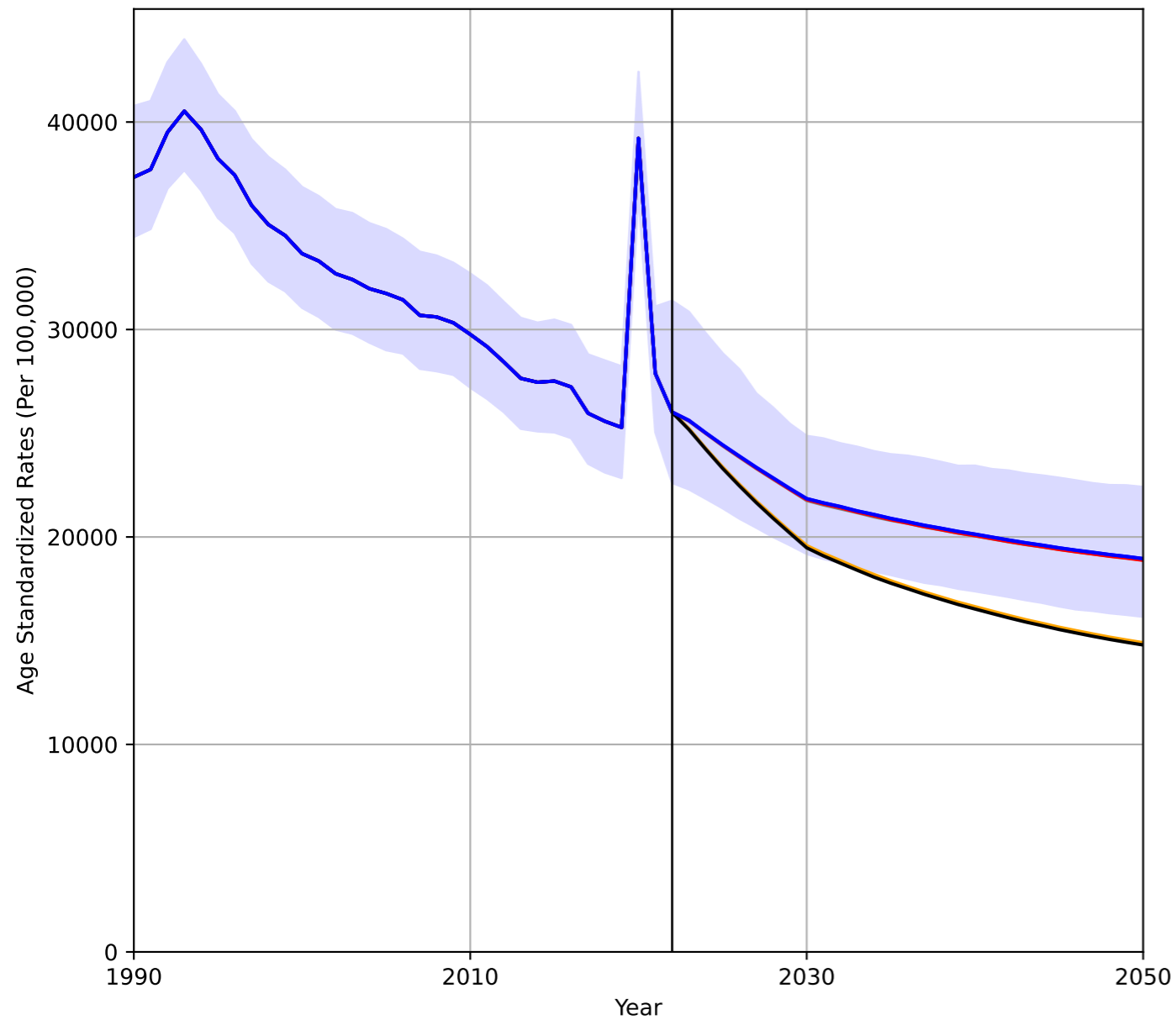
Percent over 70 years

Percent over 70 years

# Armenia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

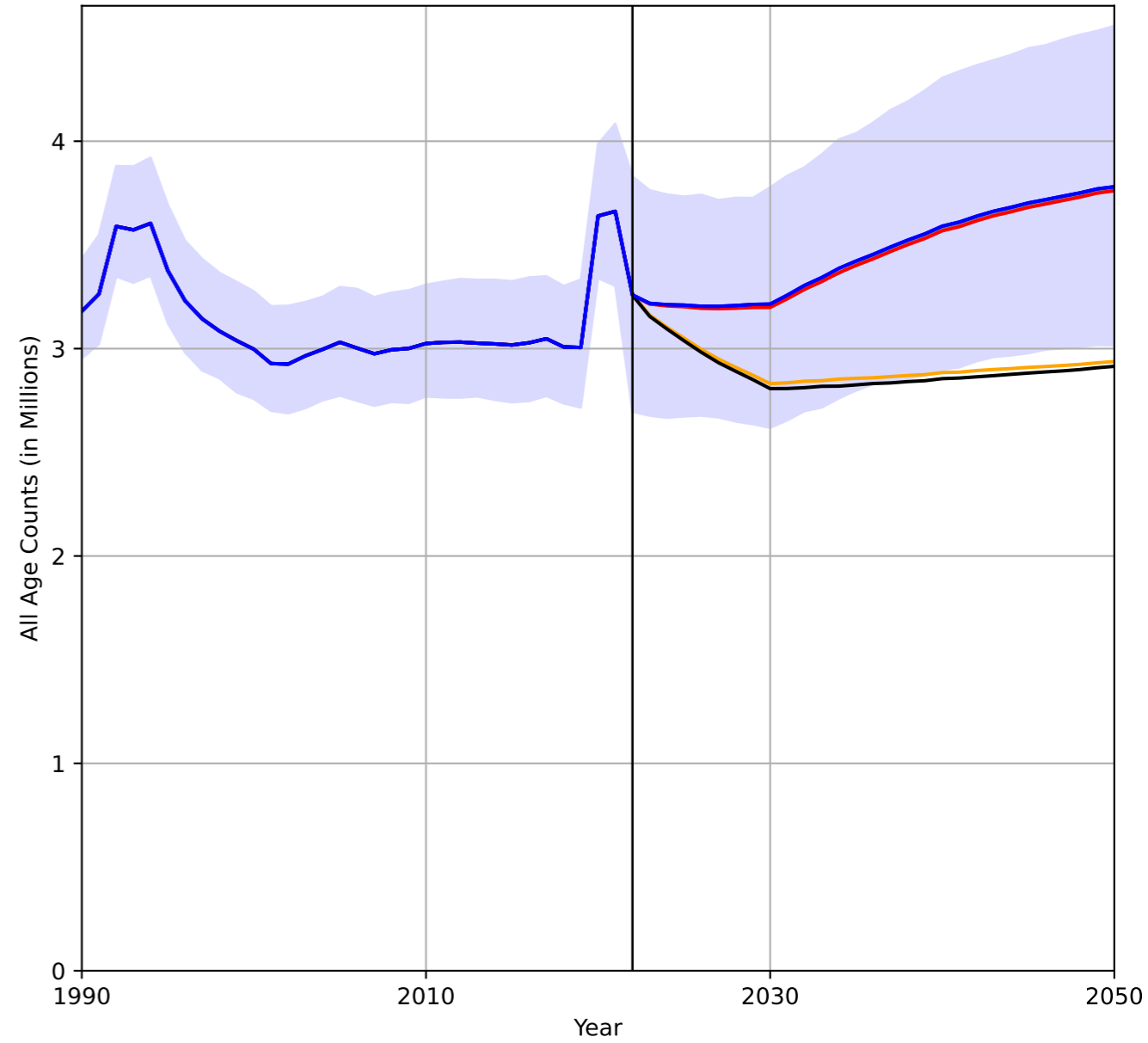
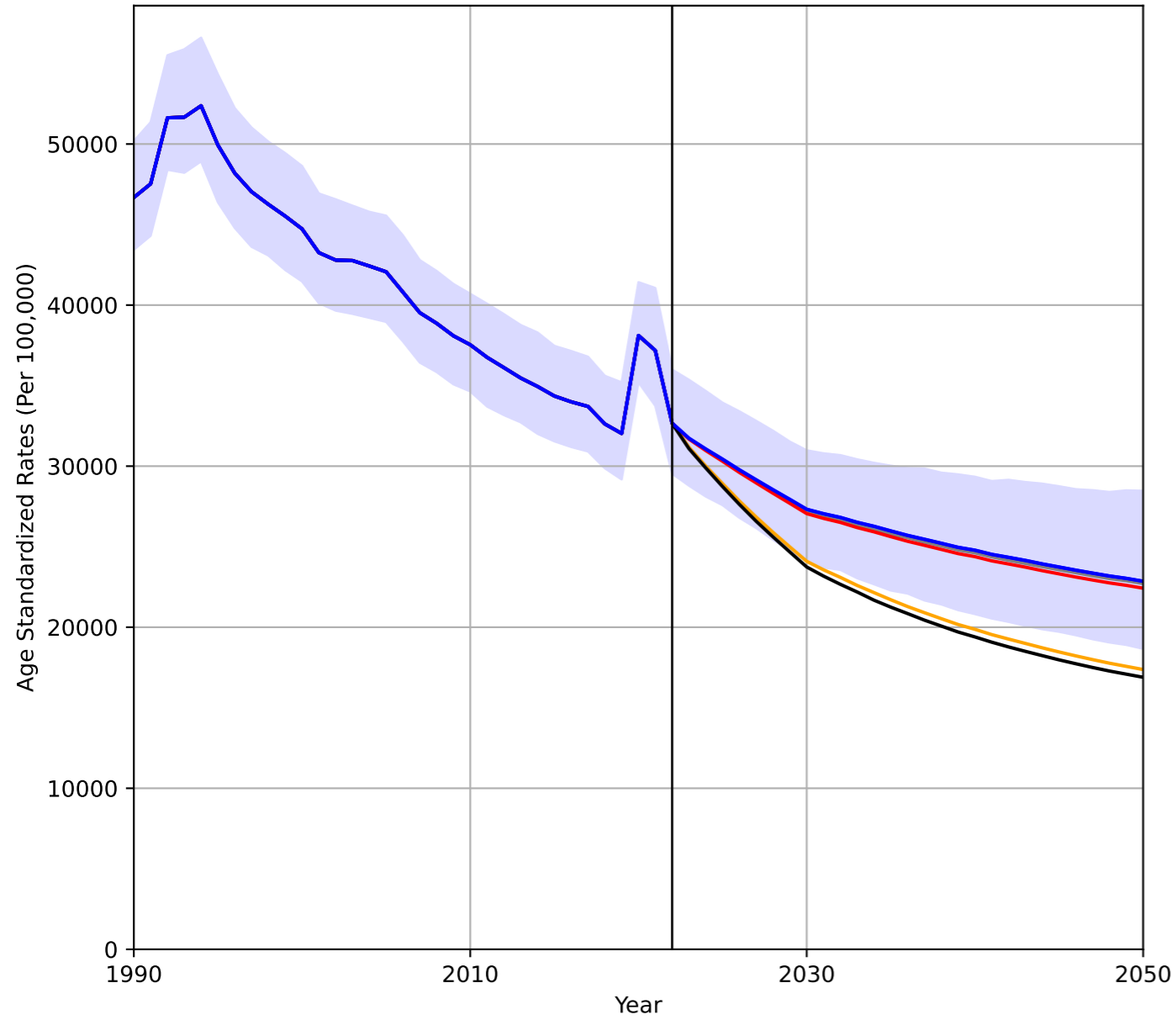
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# Azerbaijan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

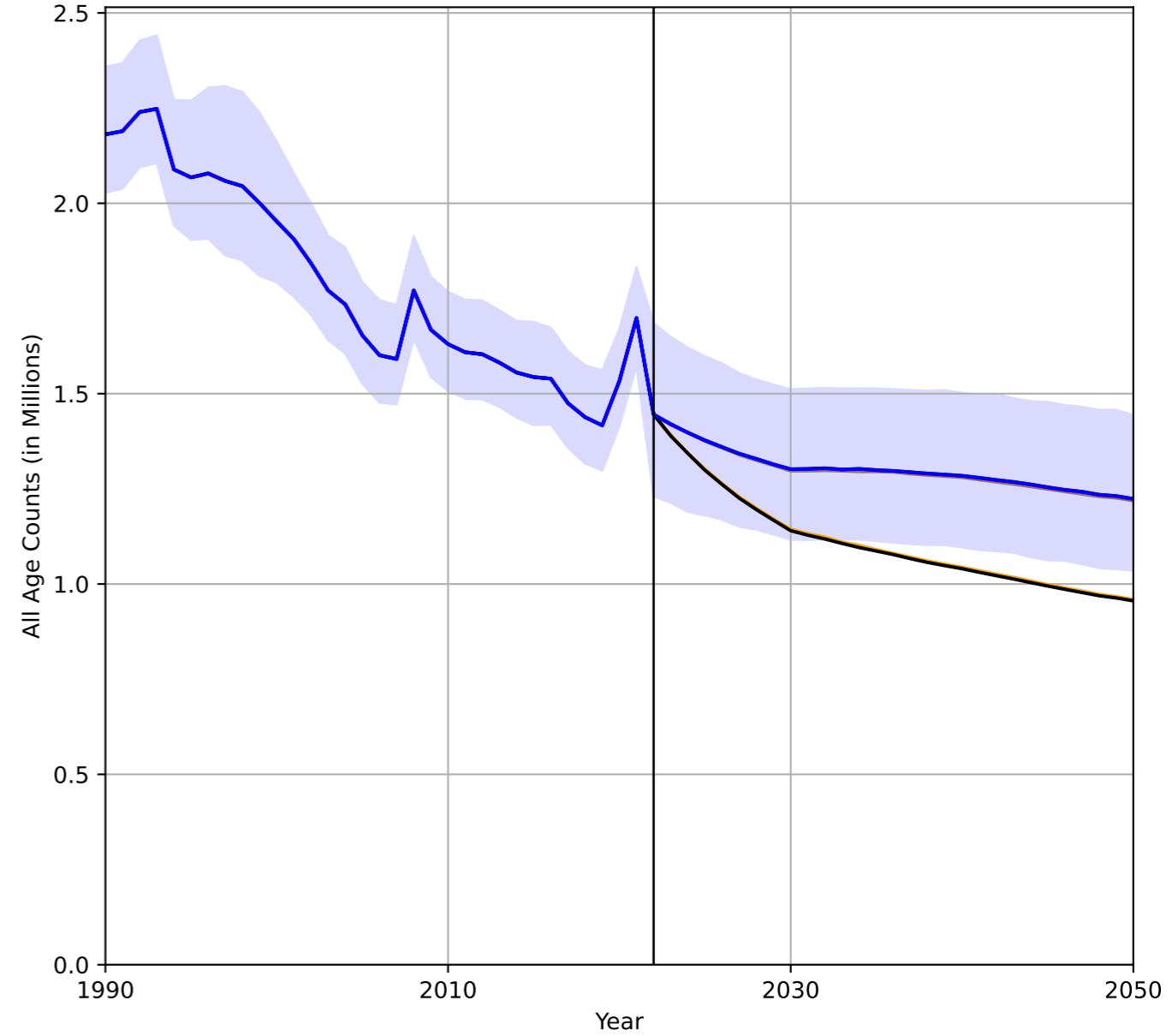
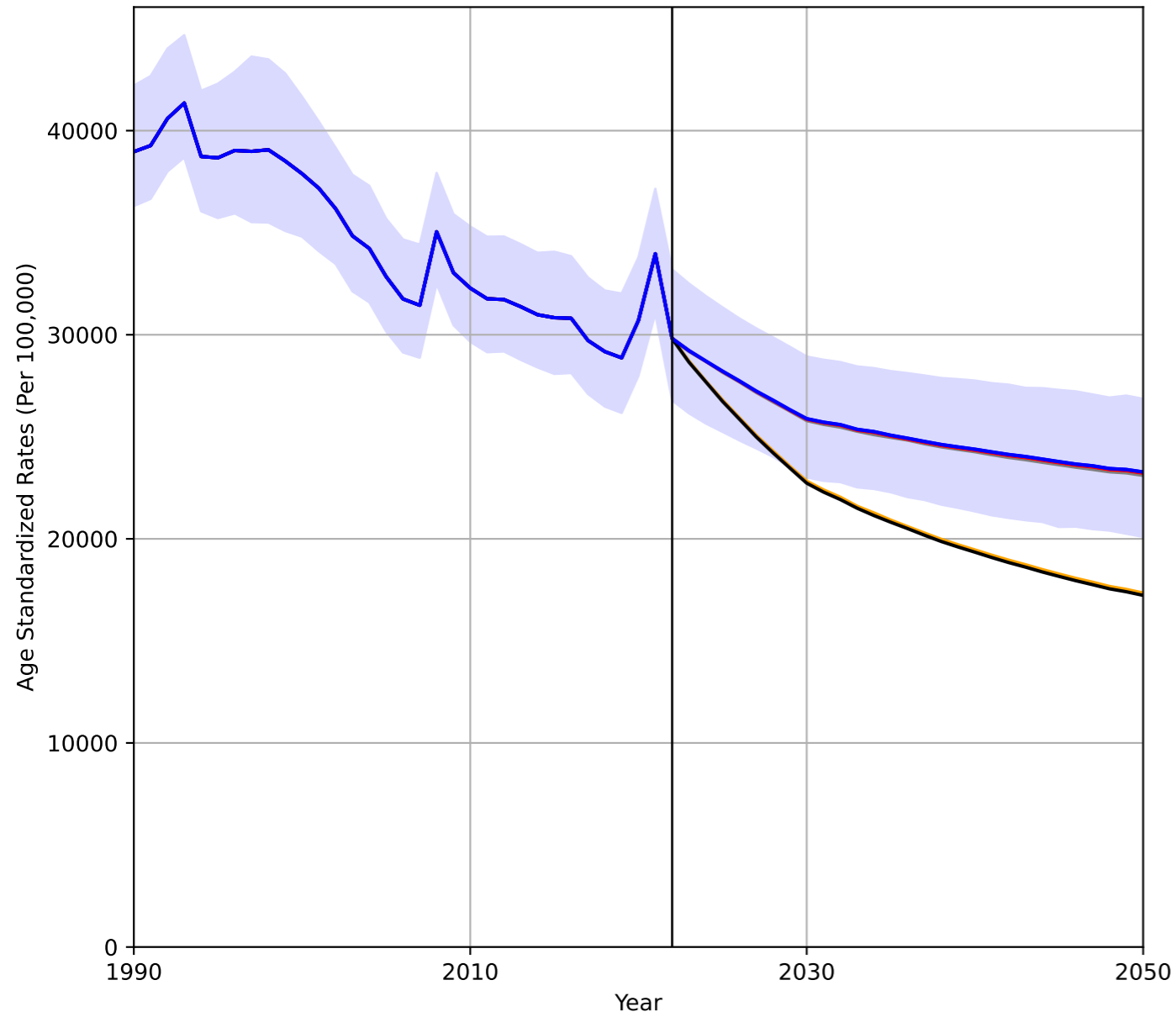
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# Georgia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

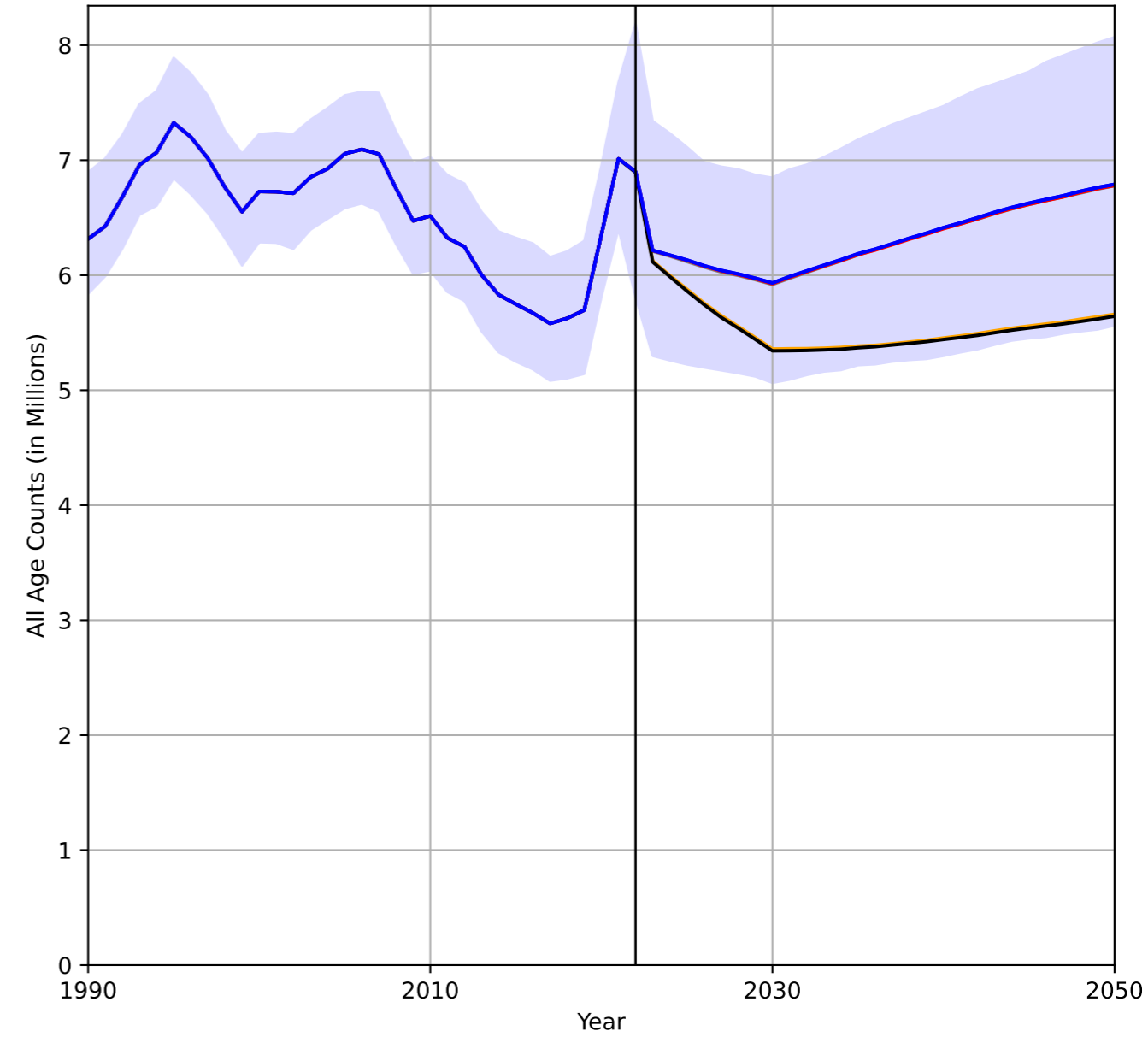
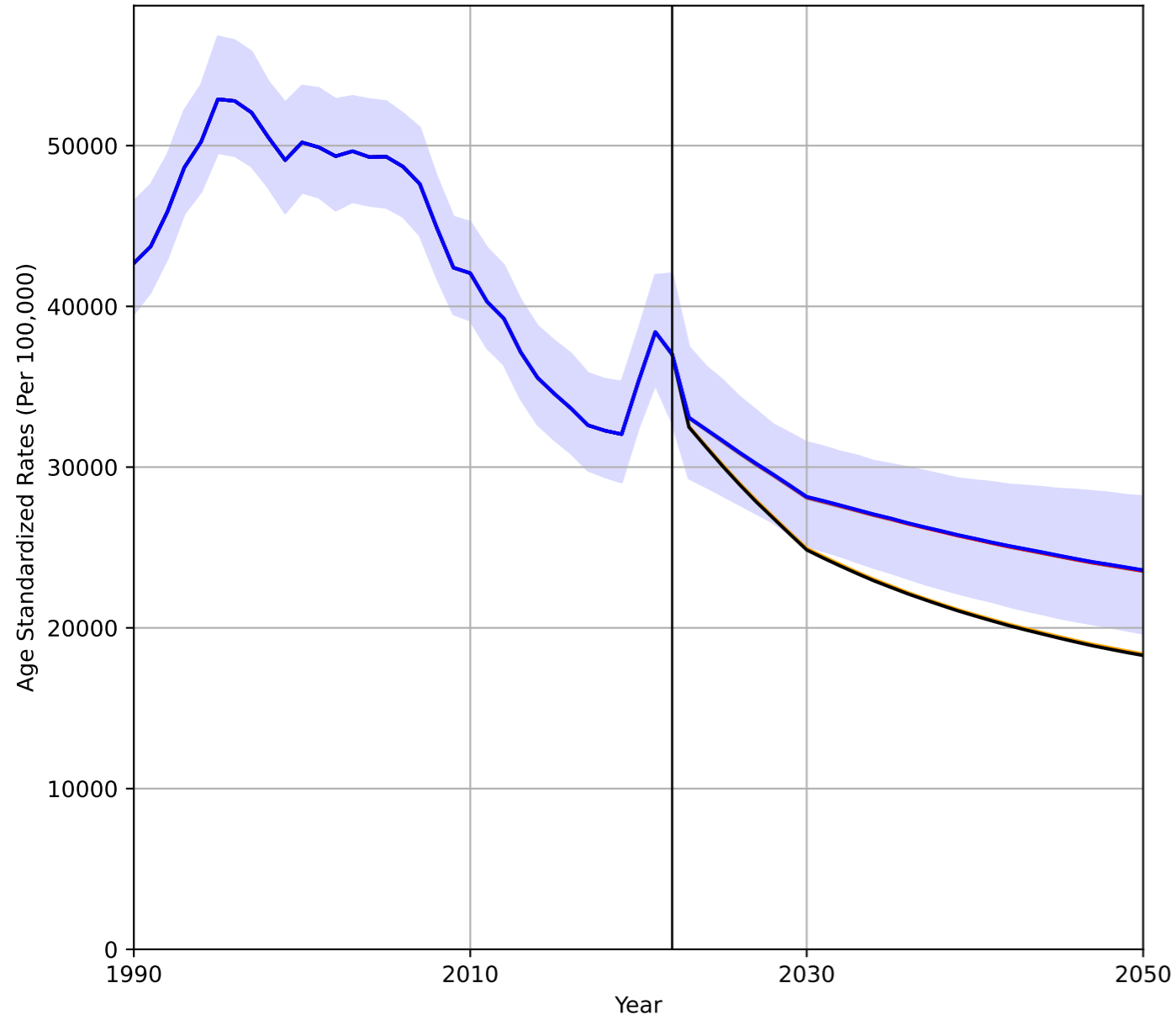
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# Kazakhstan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

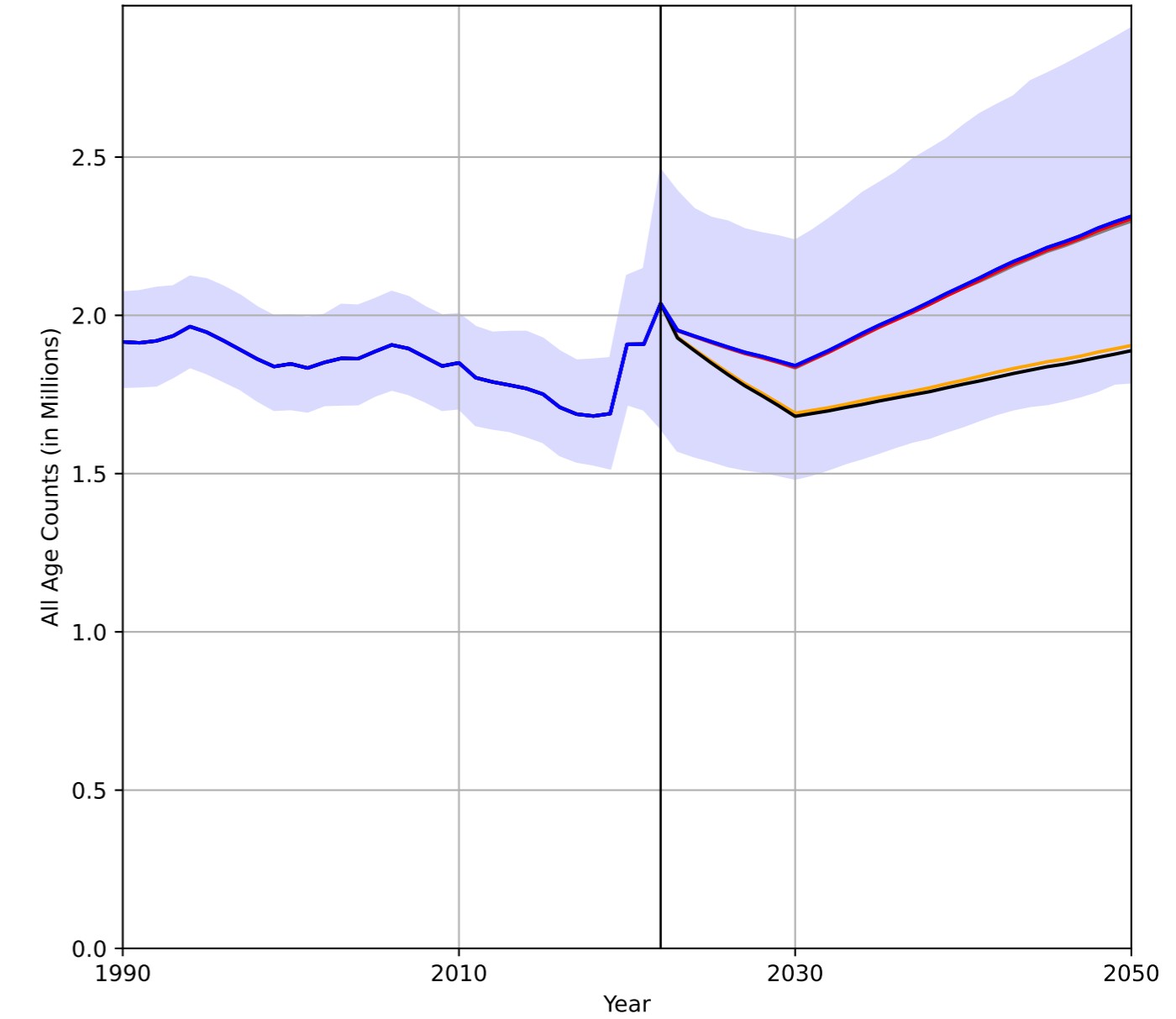
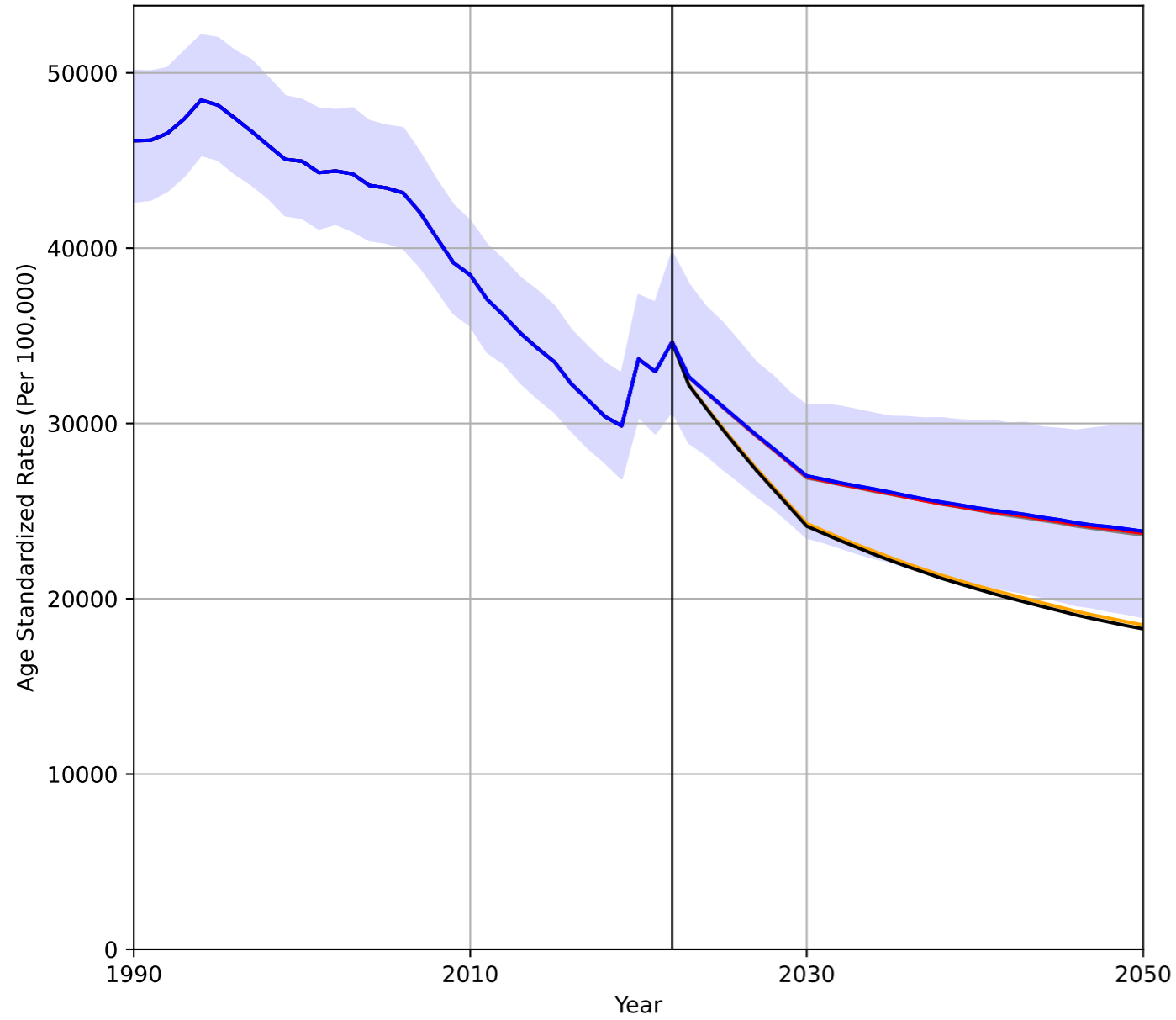
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# Kyrgyzstan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1415

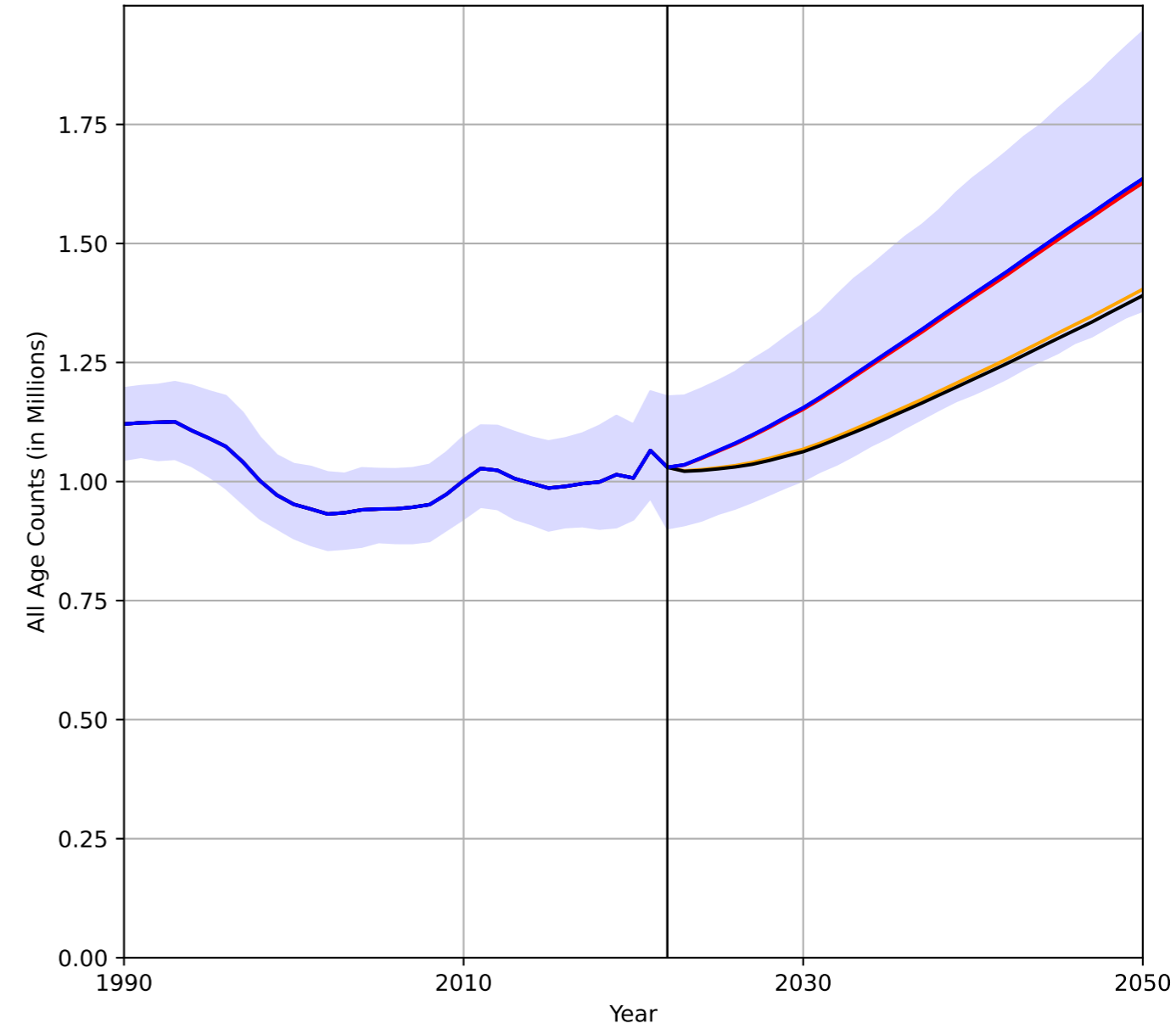
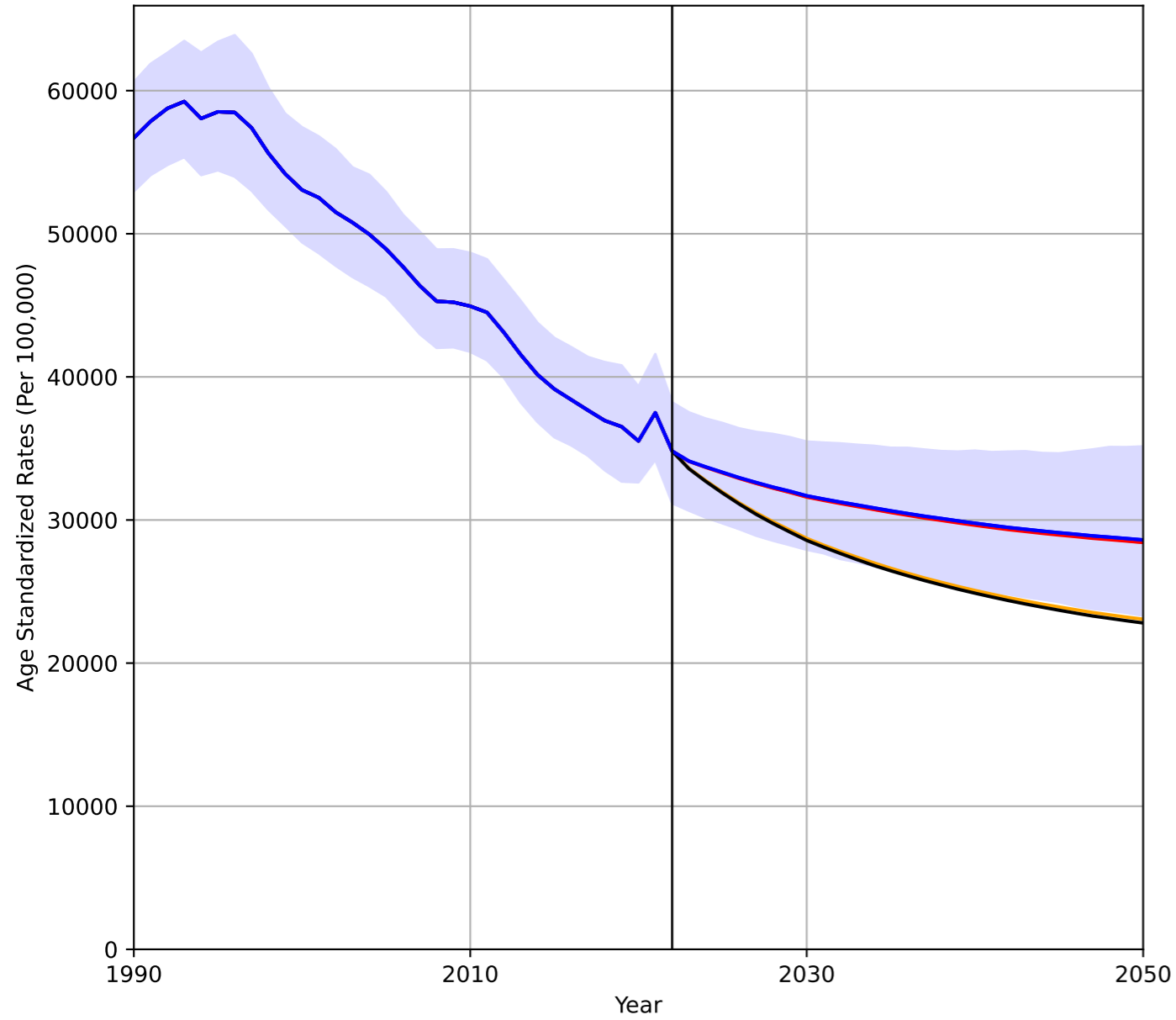




# Mongolia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

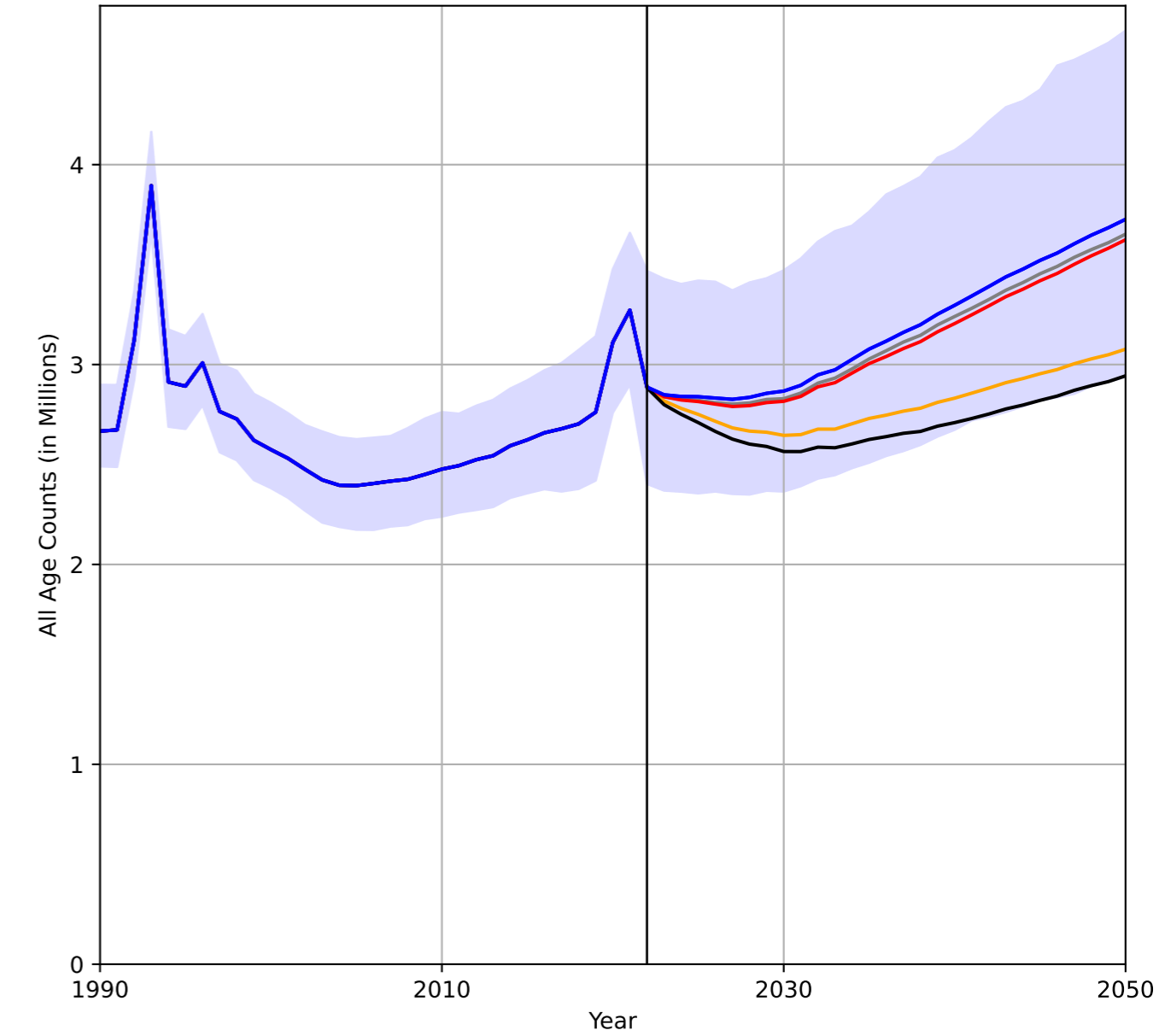
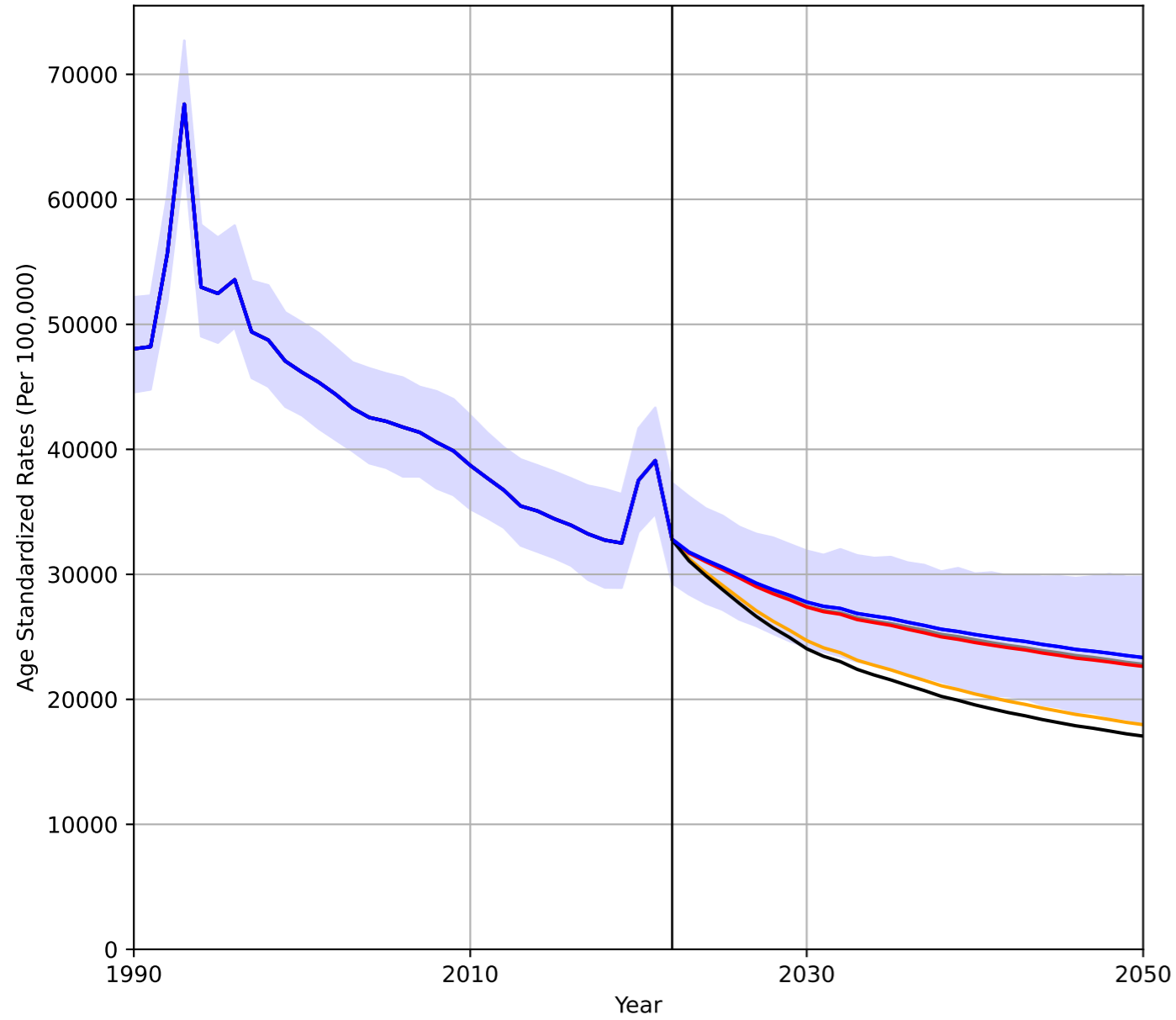
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# Tajikistan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

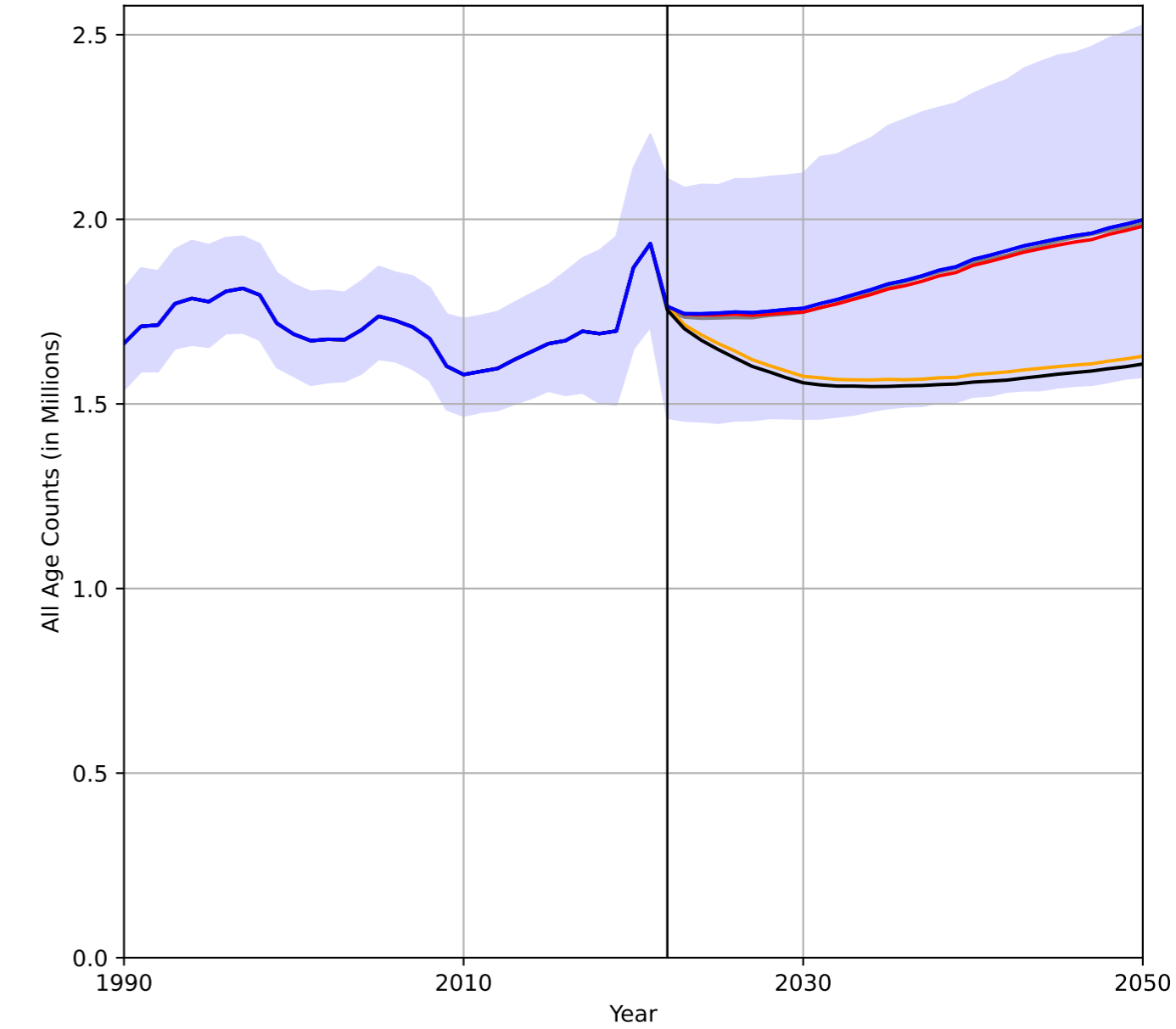
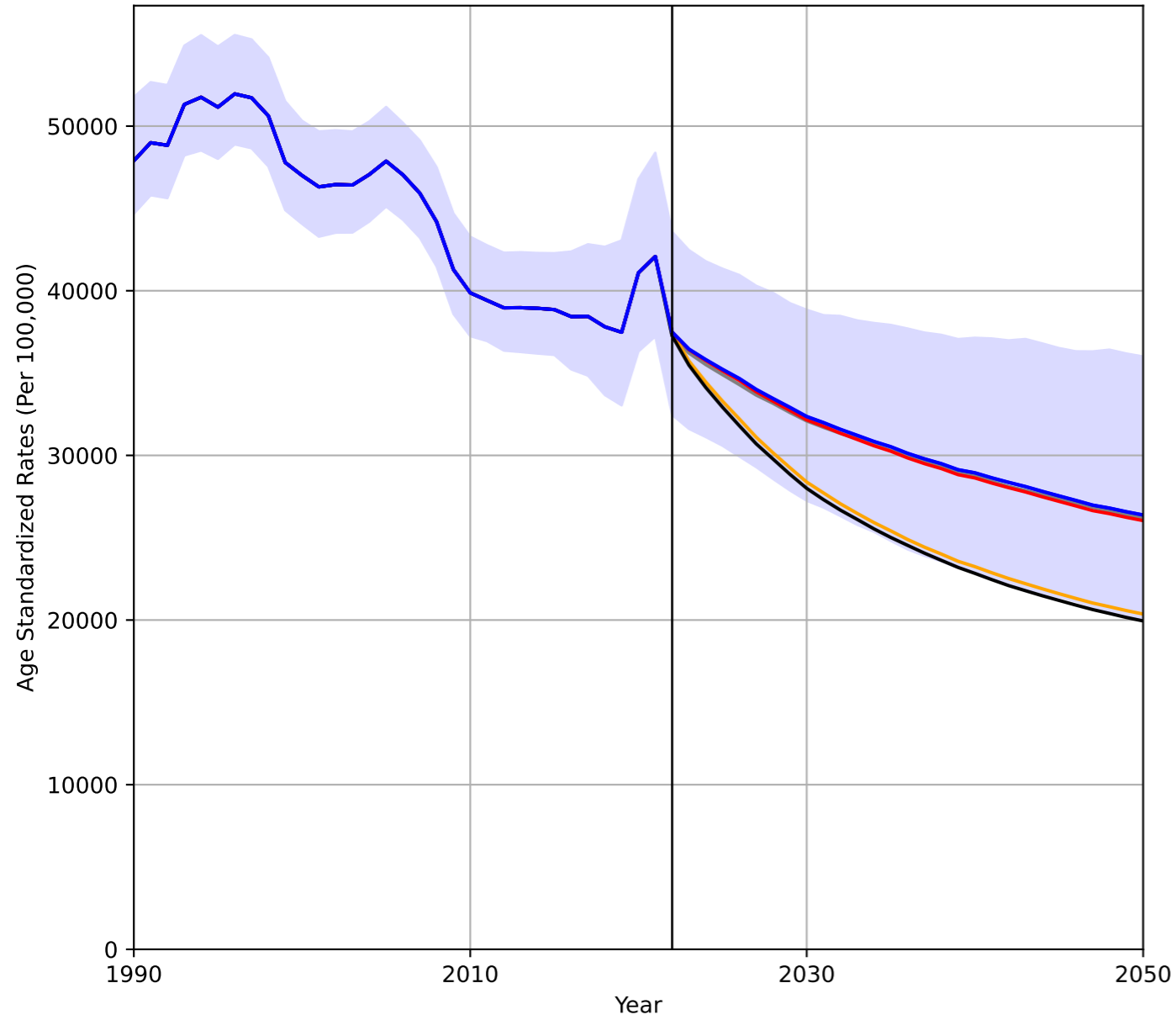
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# Turkmenistan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

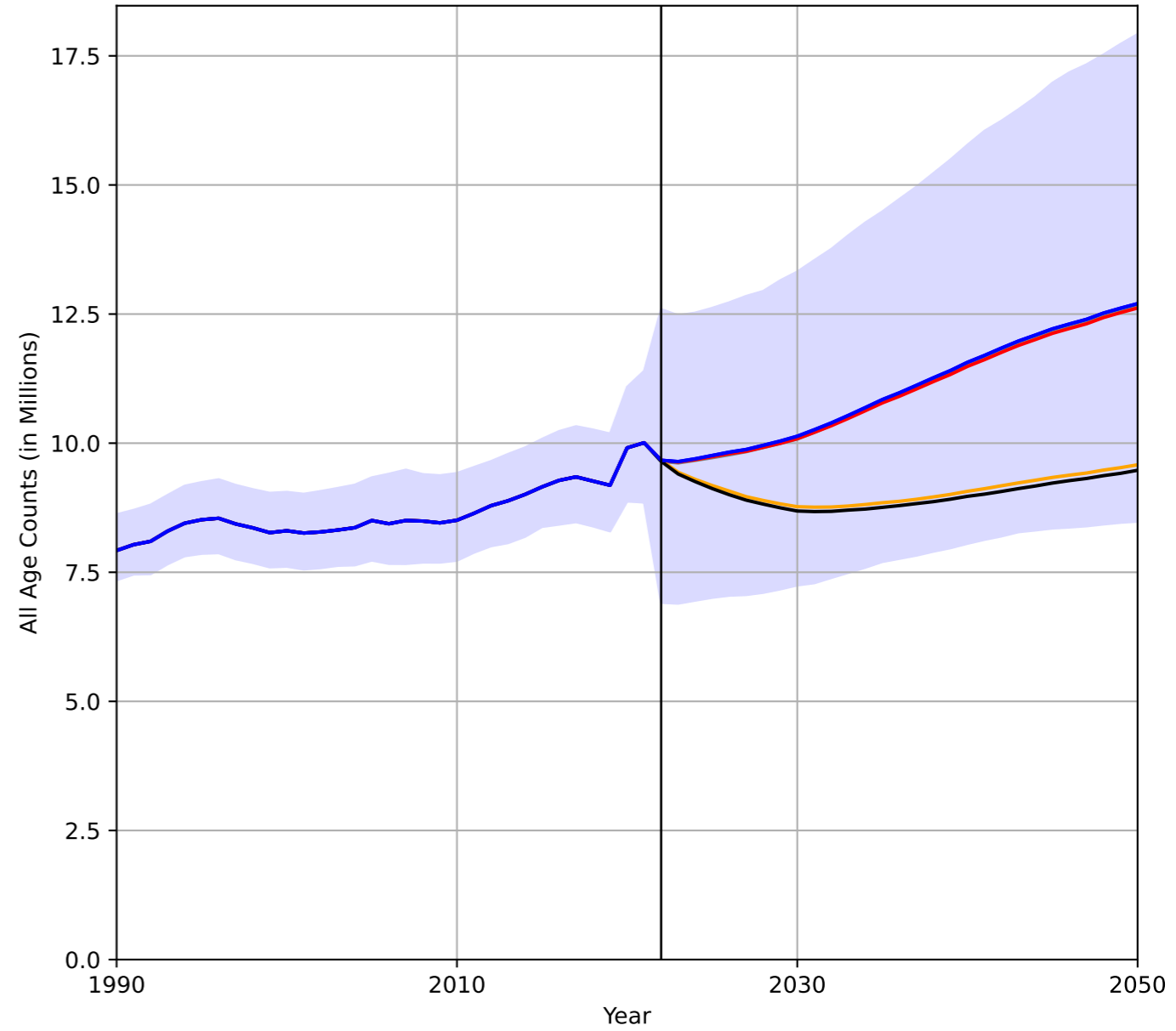
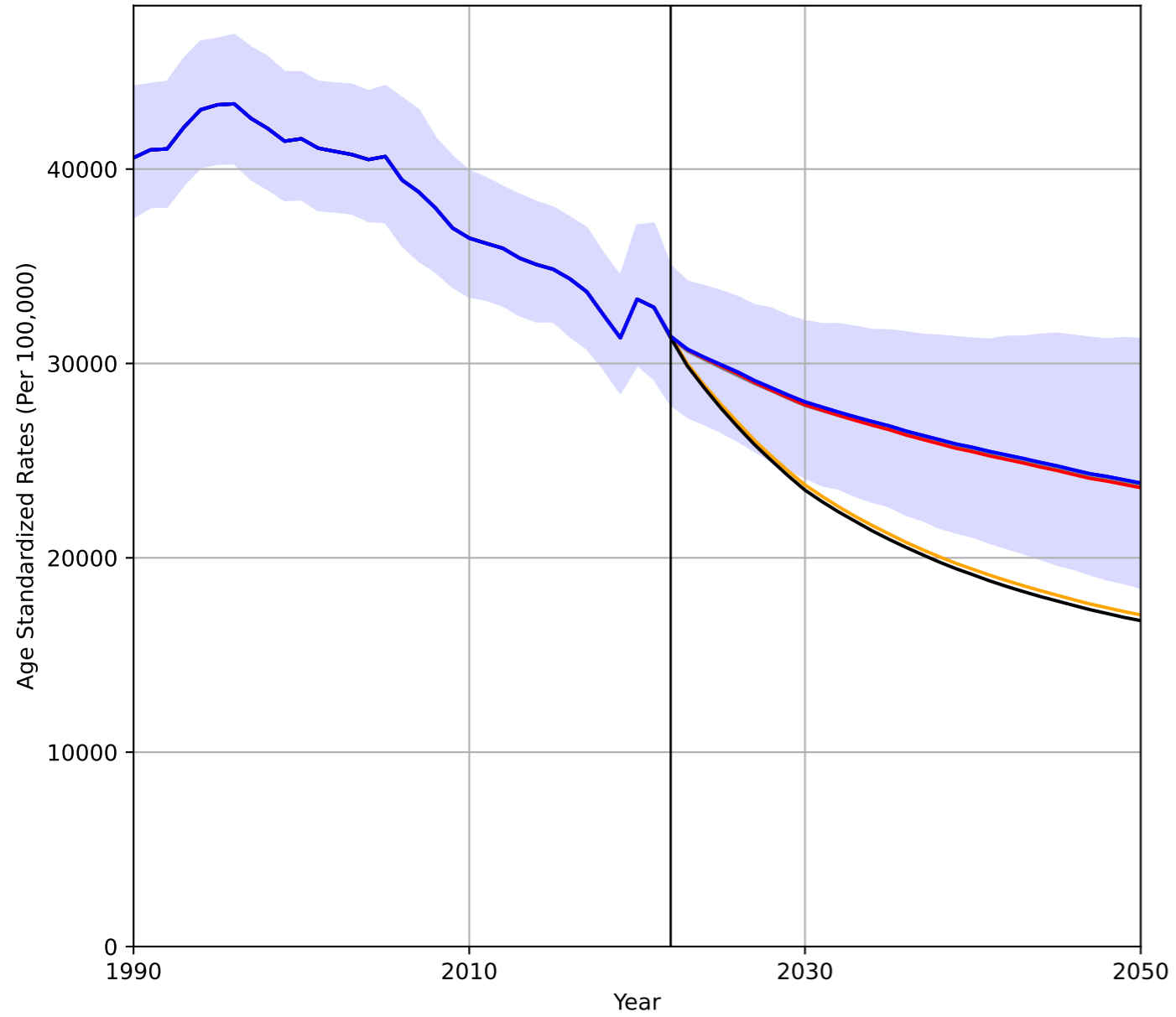
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# Uzbekistan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

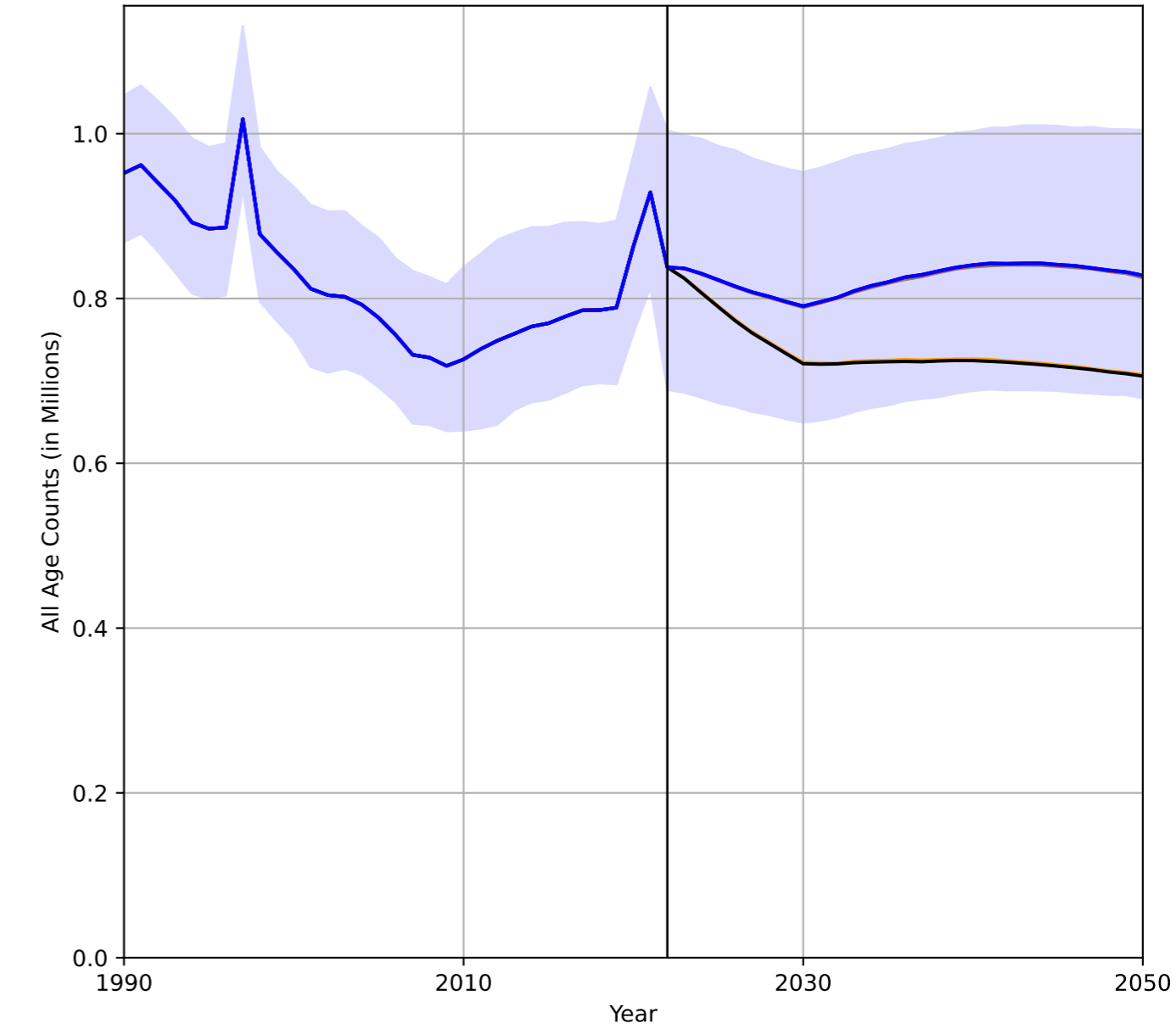
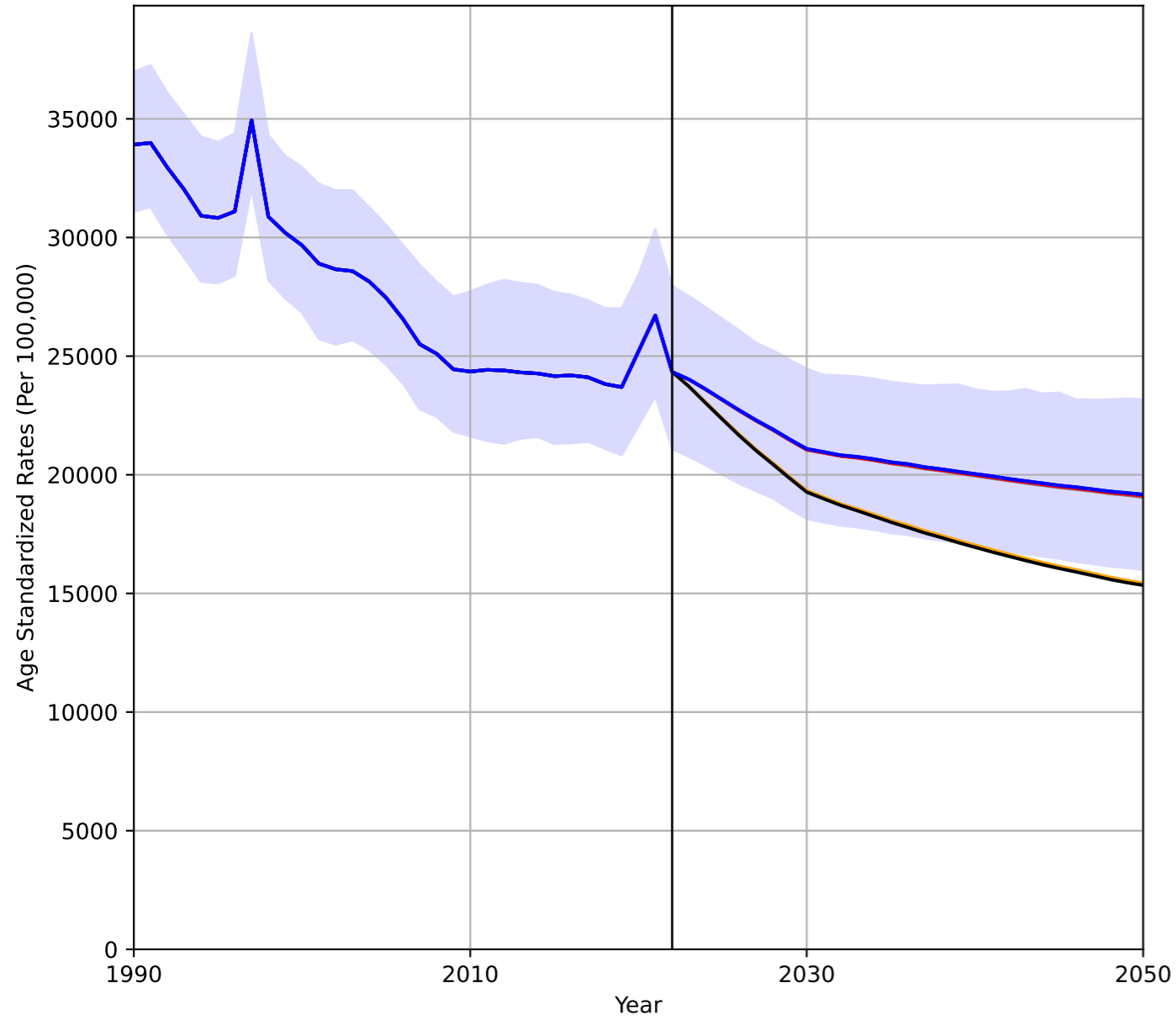
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# Albania

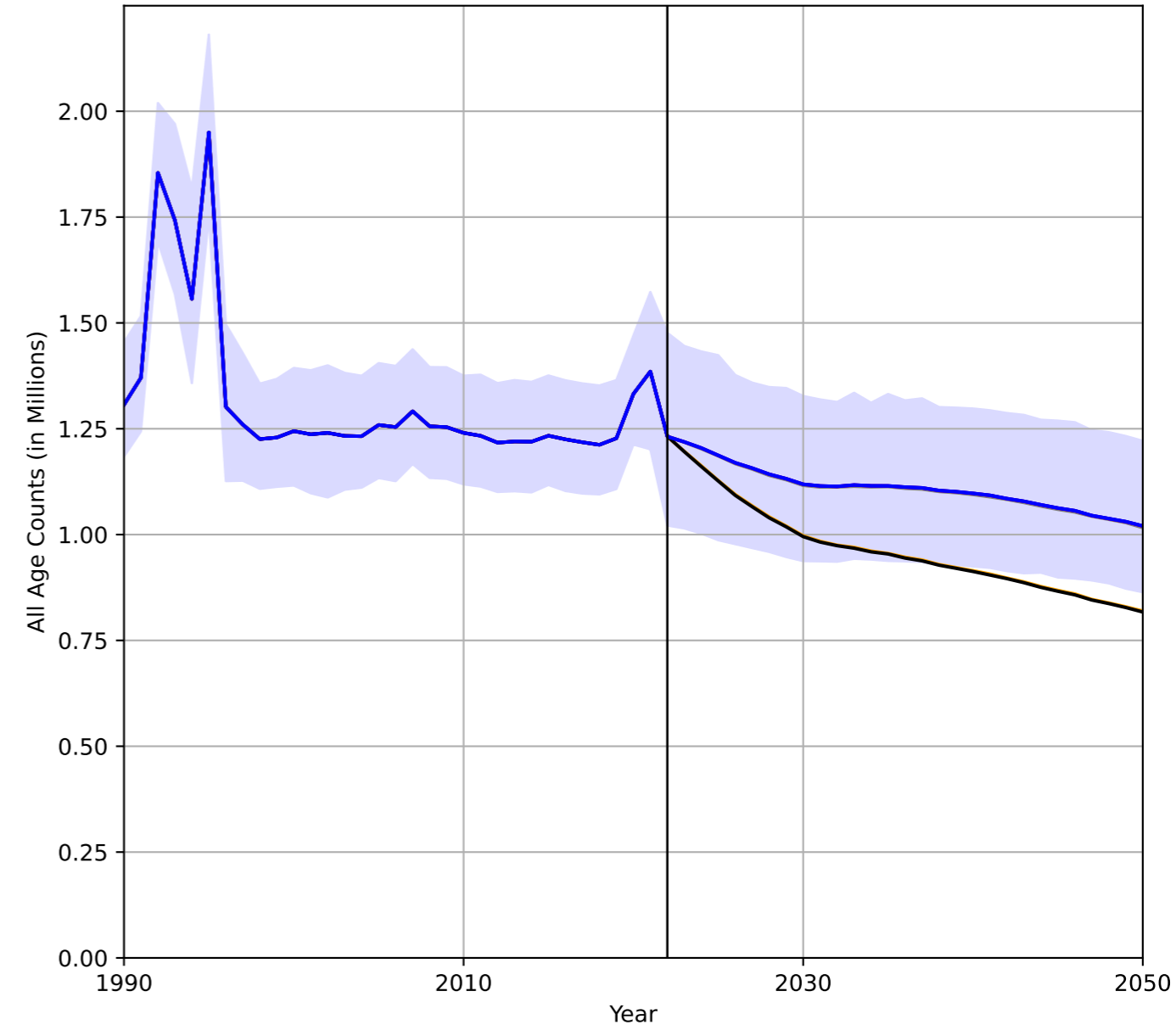
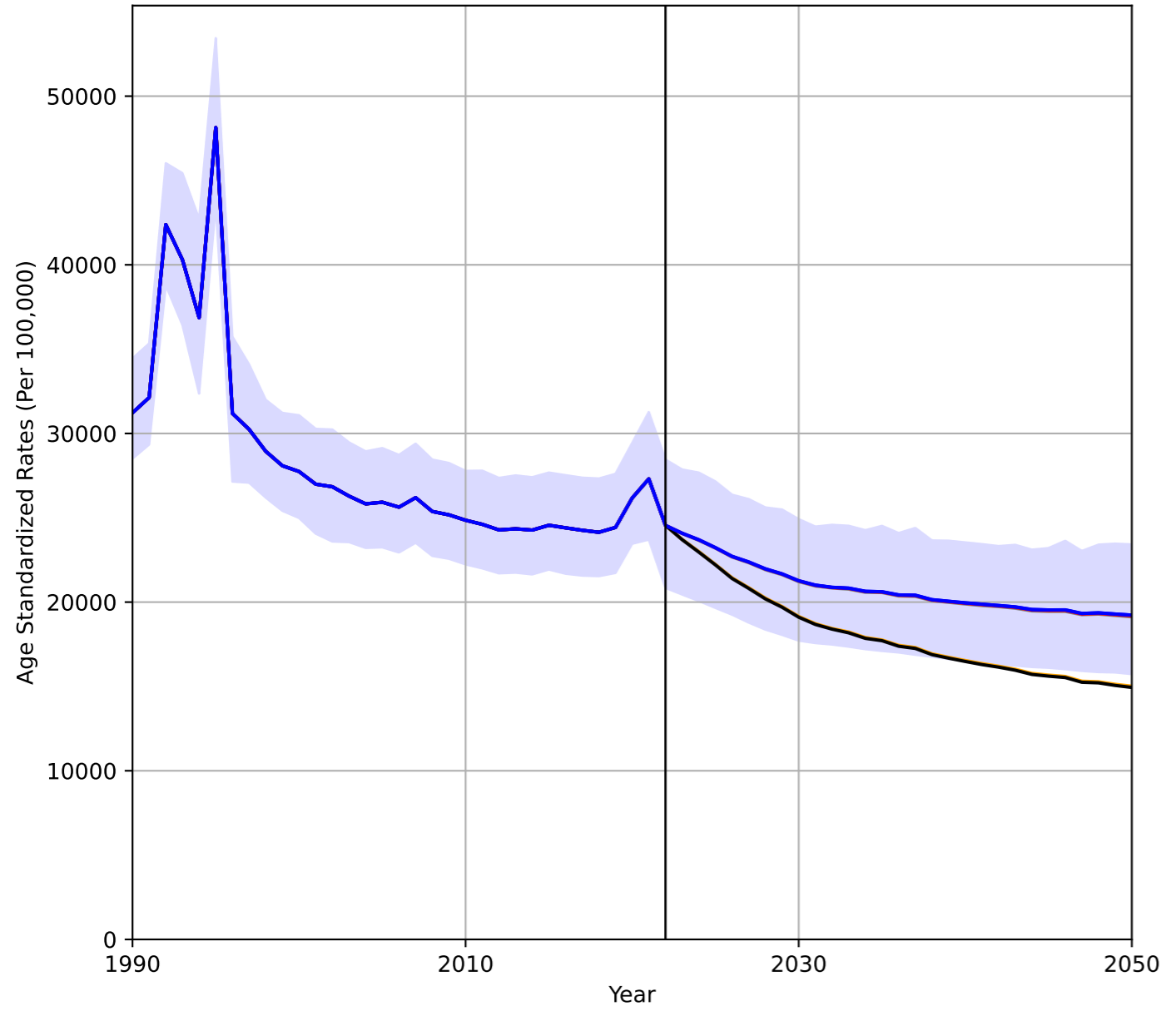
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1420



# Bosnia And Herzegovina

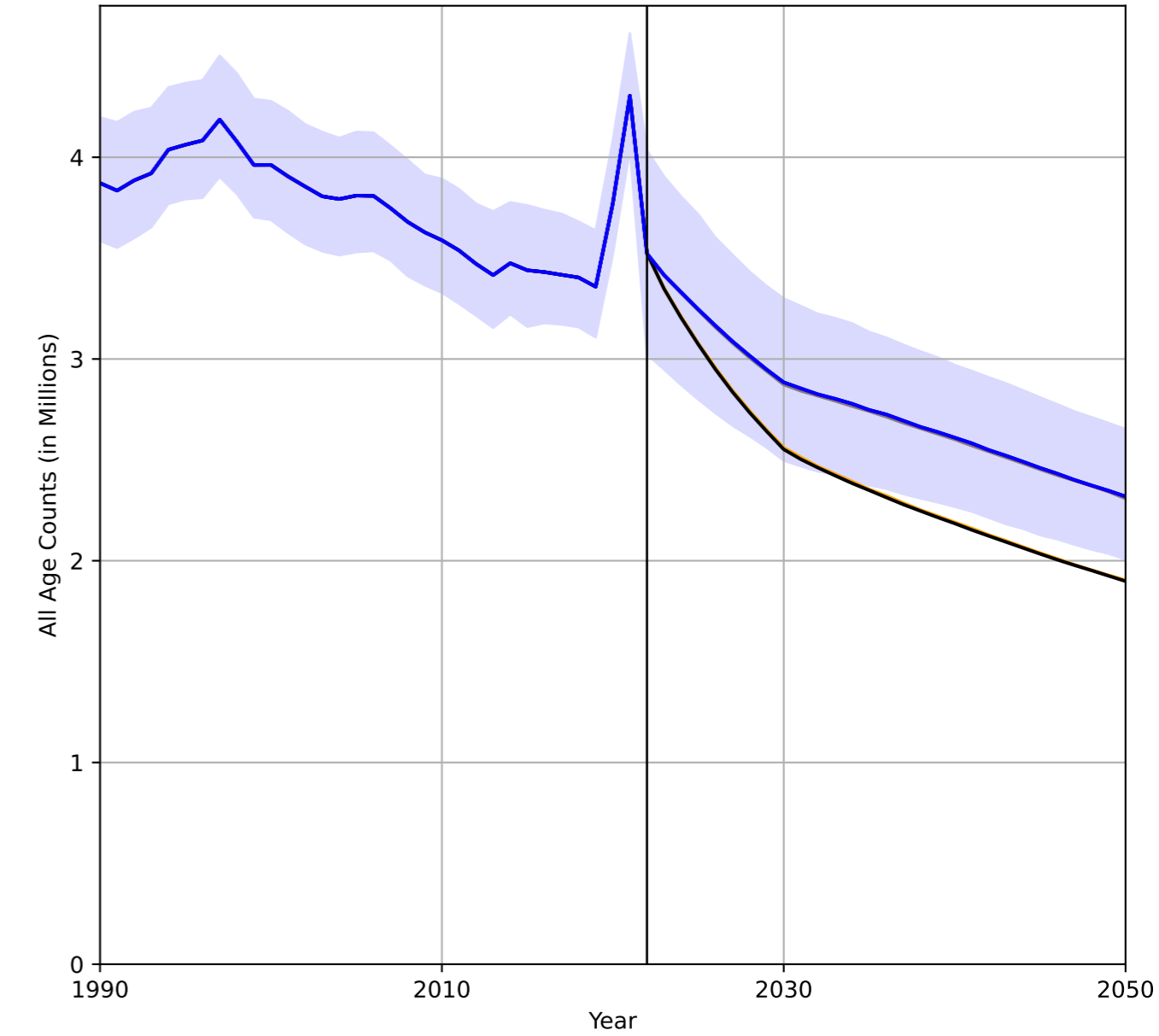
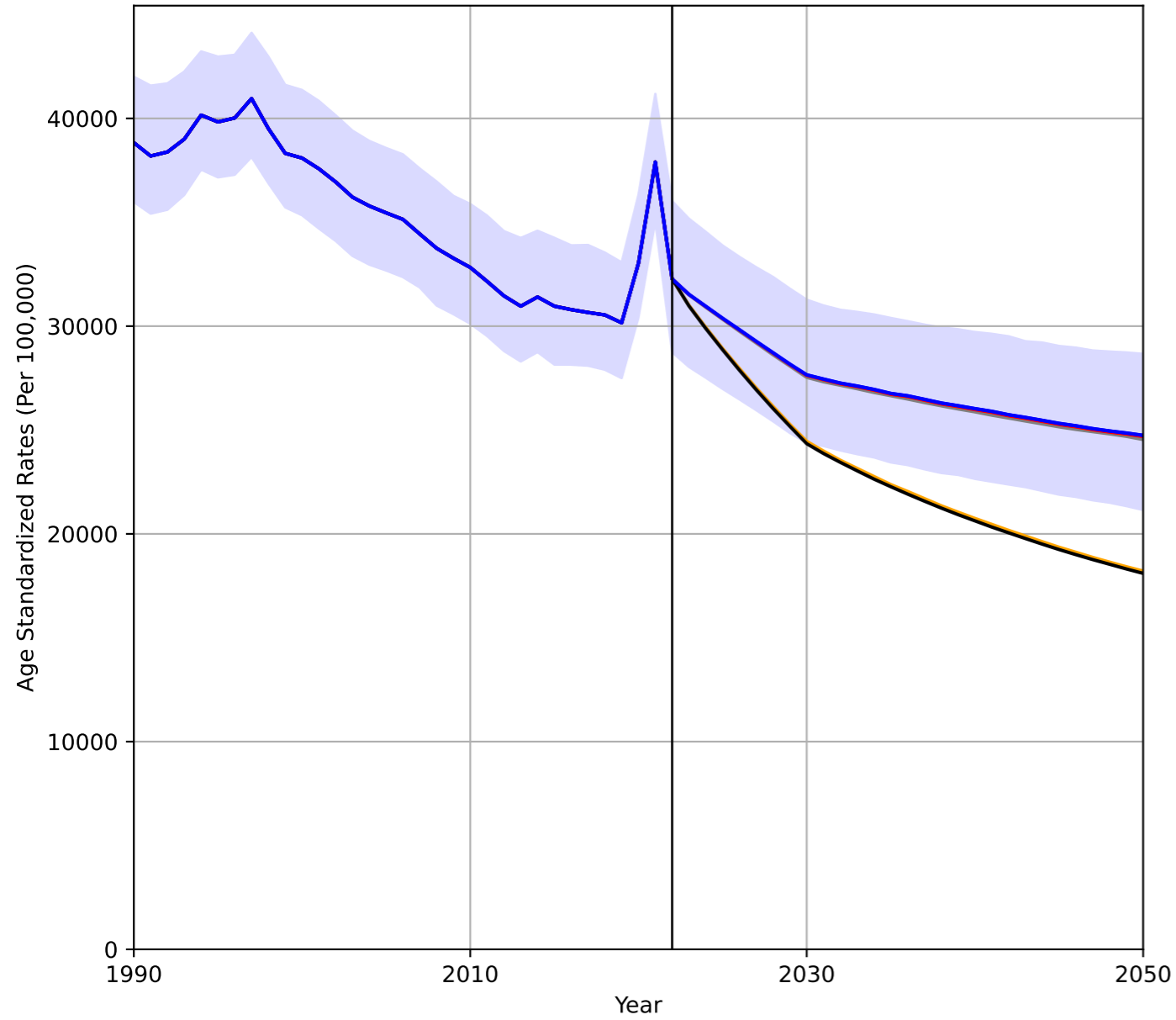
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Bulgaria

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

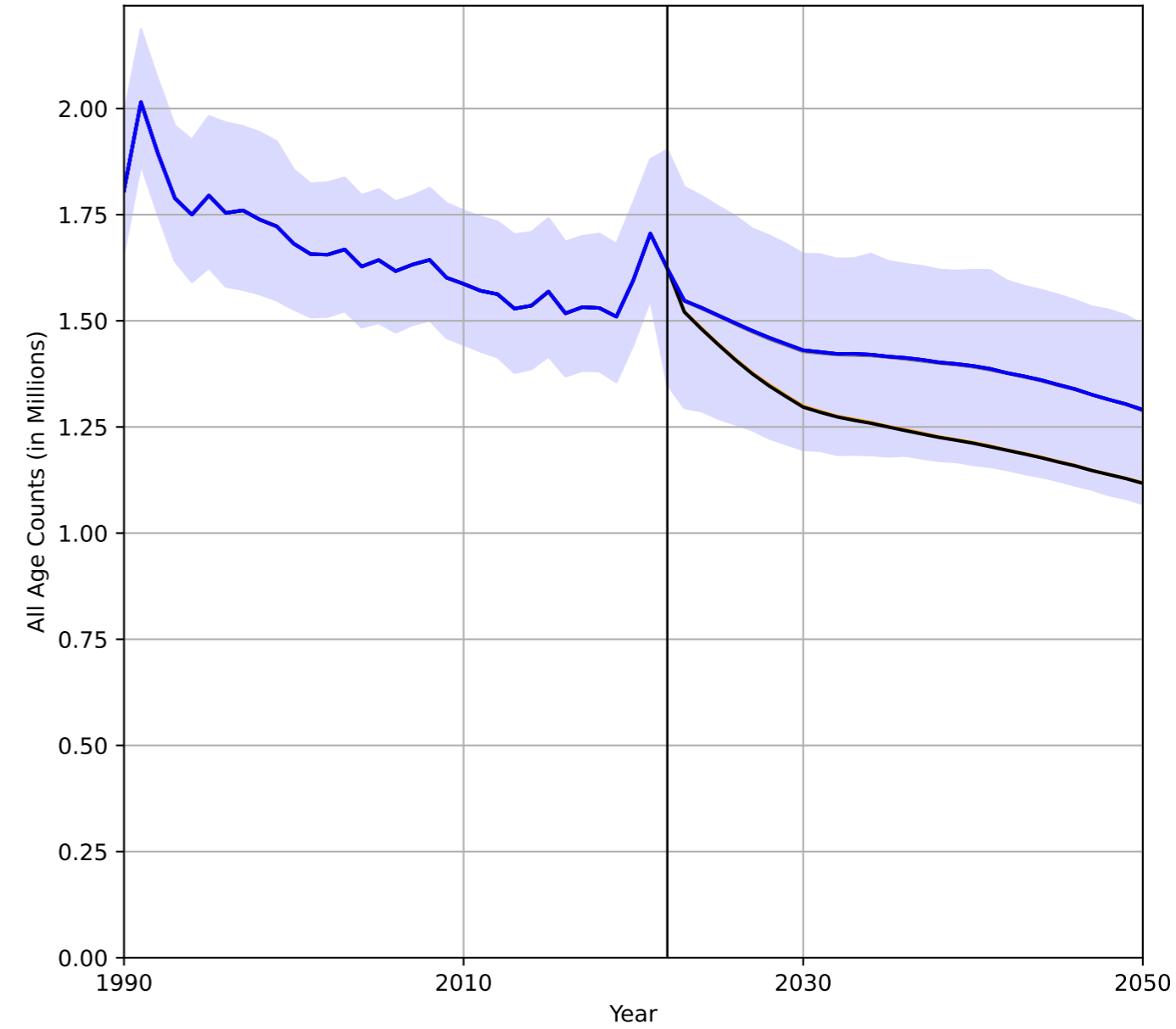
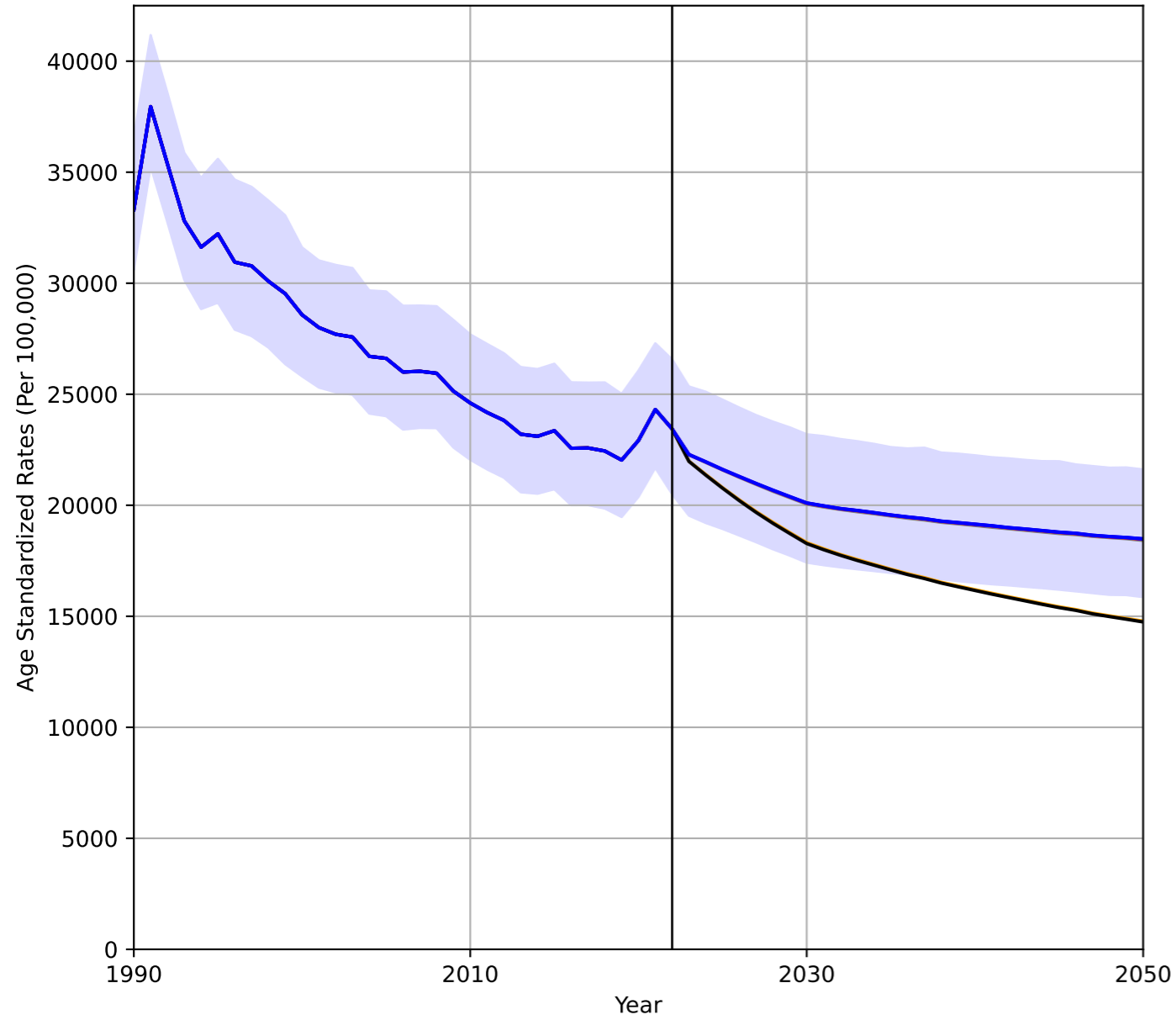
1422



# Croatia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1423

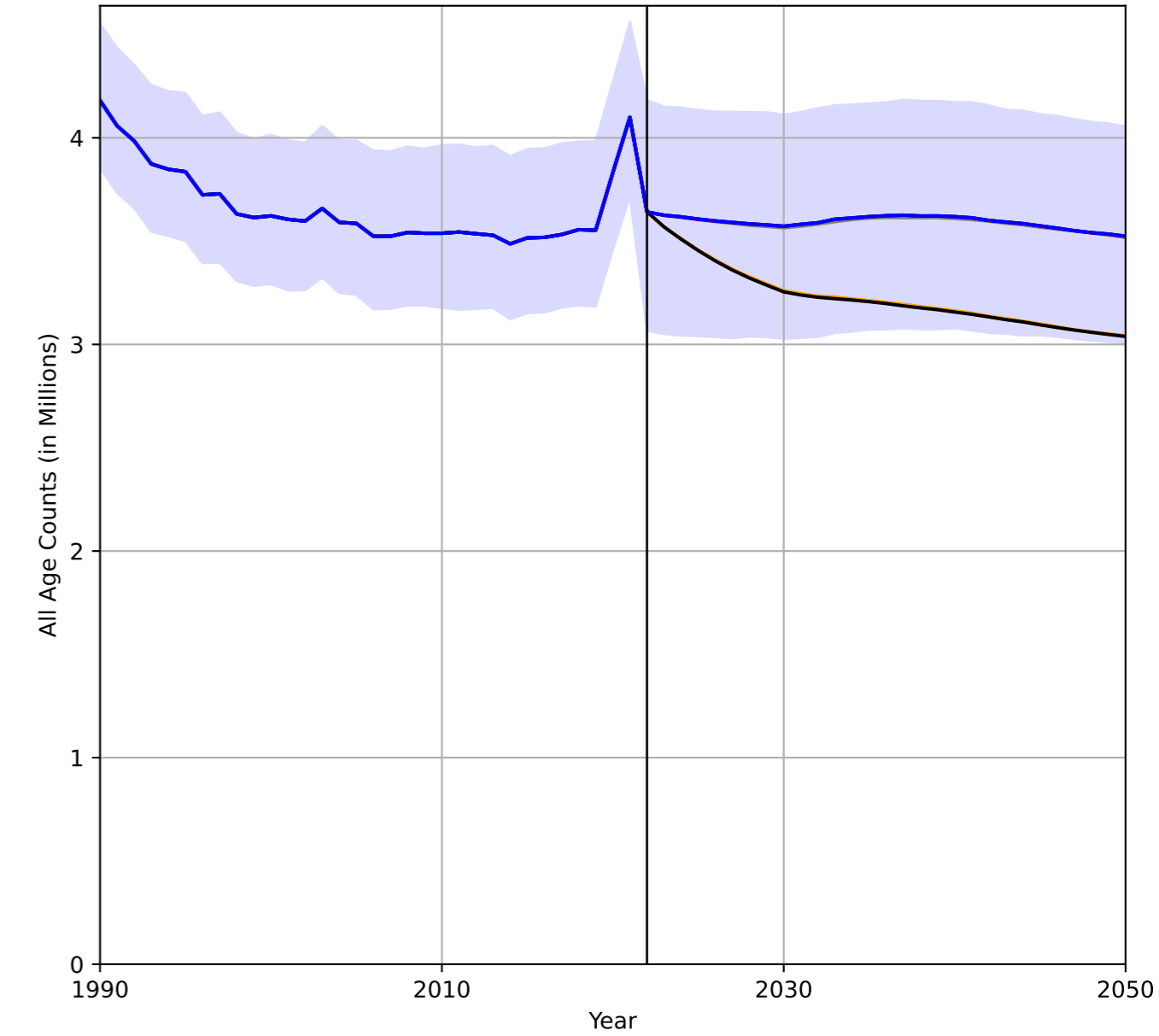
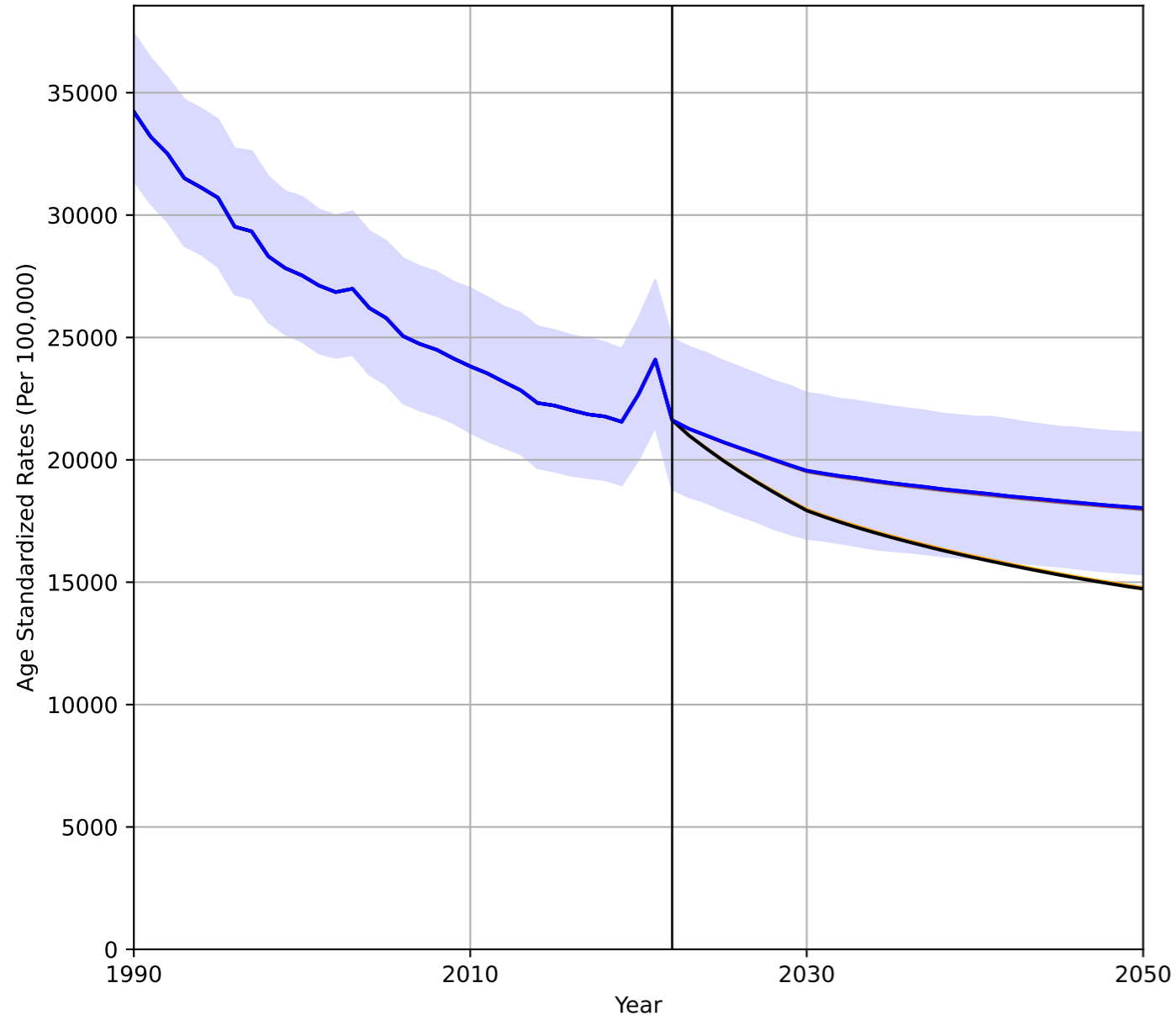




# Czechia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

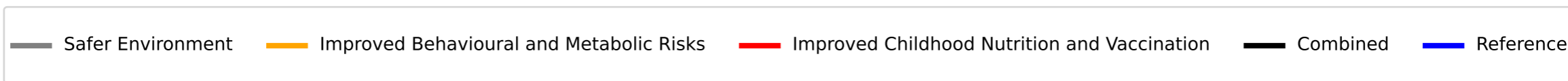
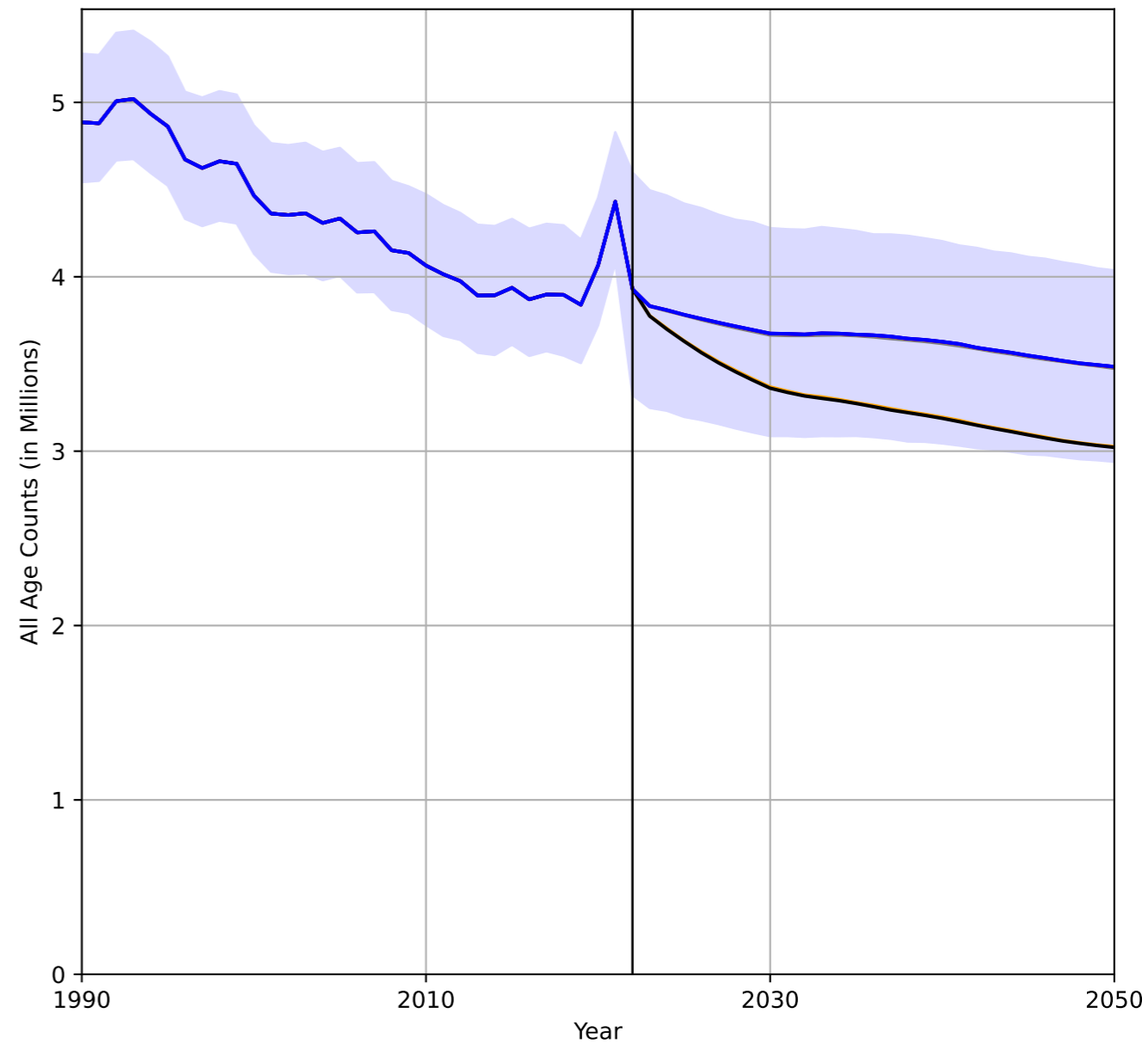
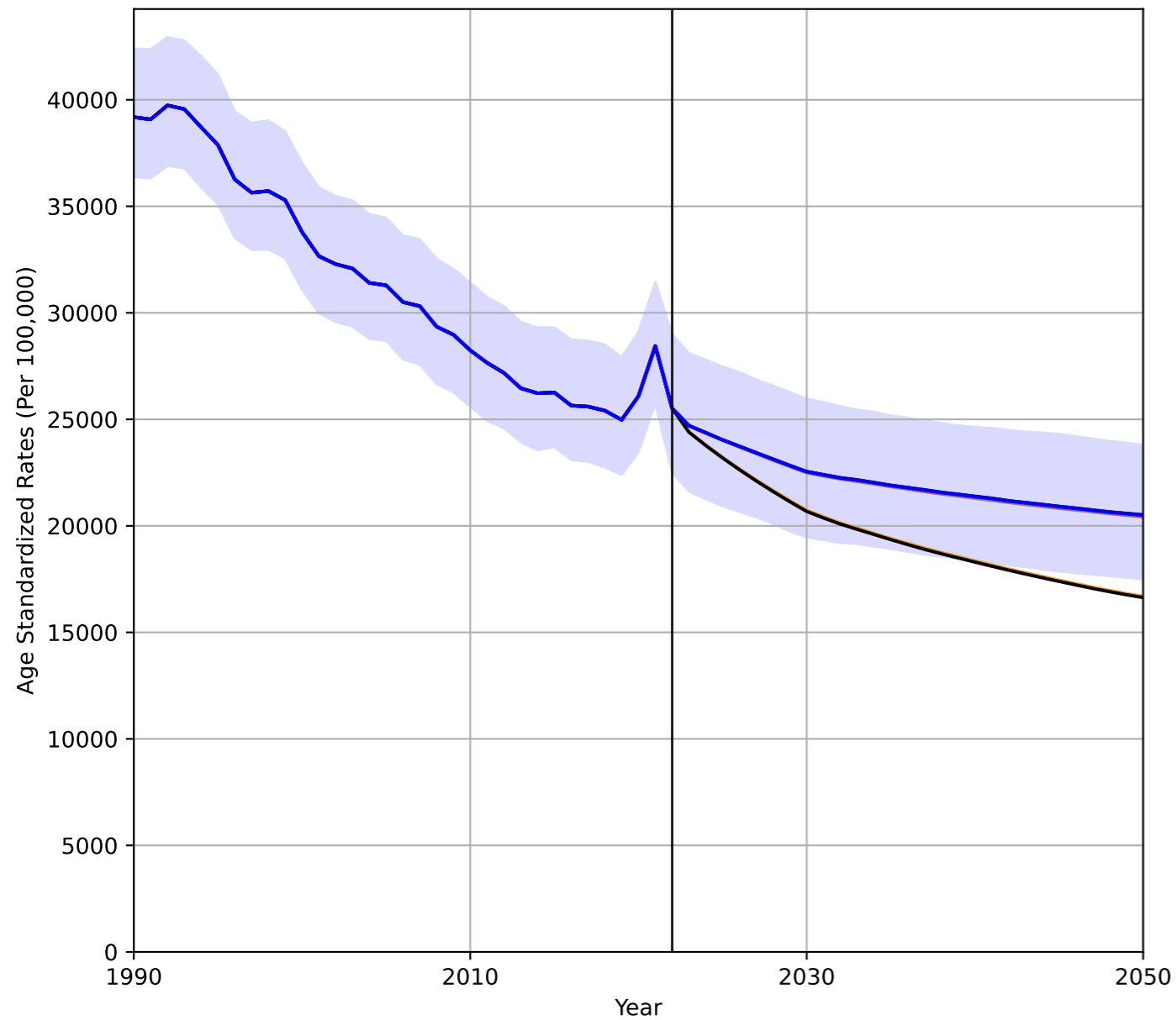
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# Hungary

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

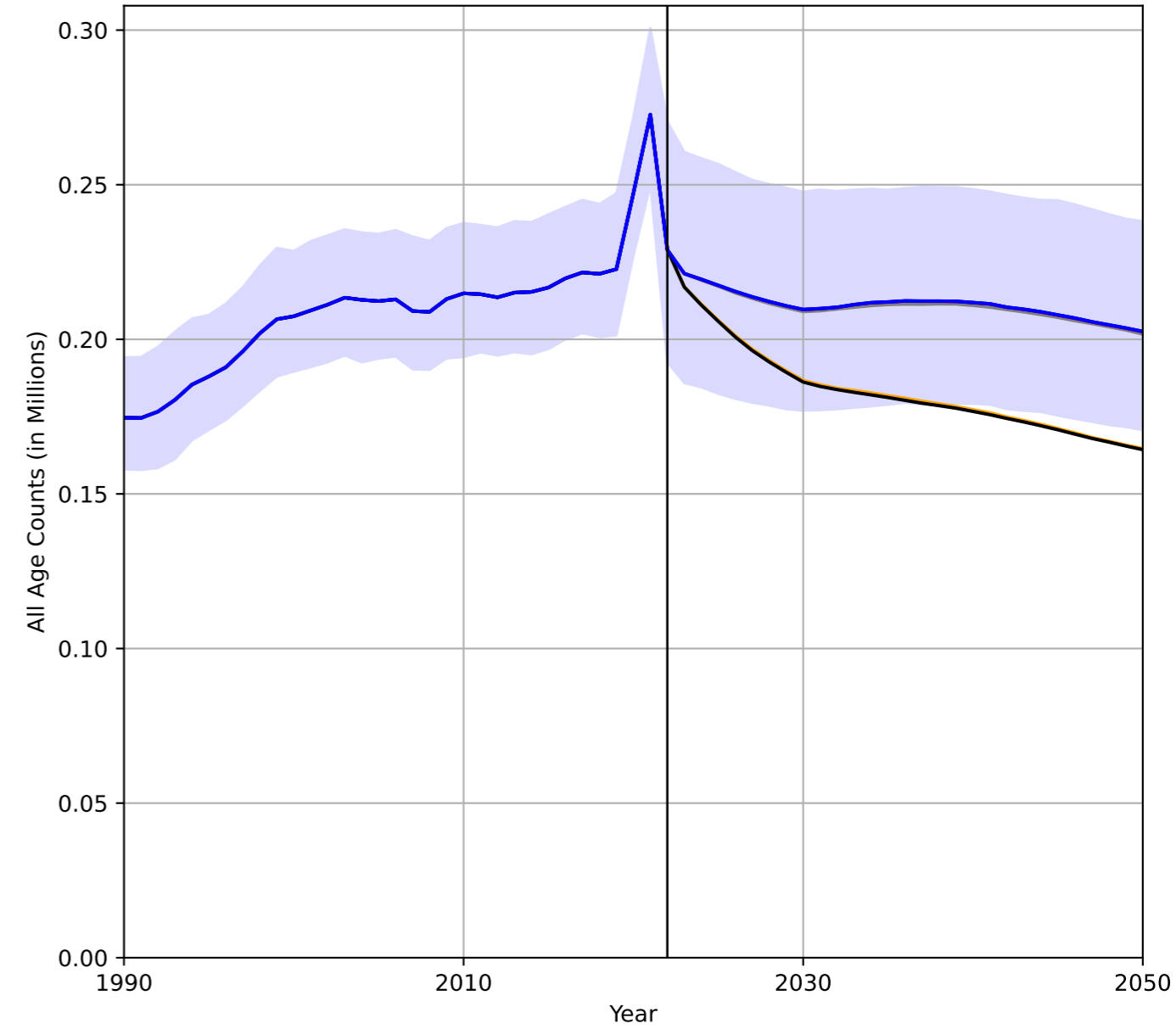
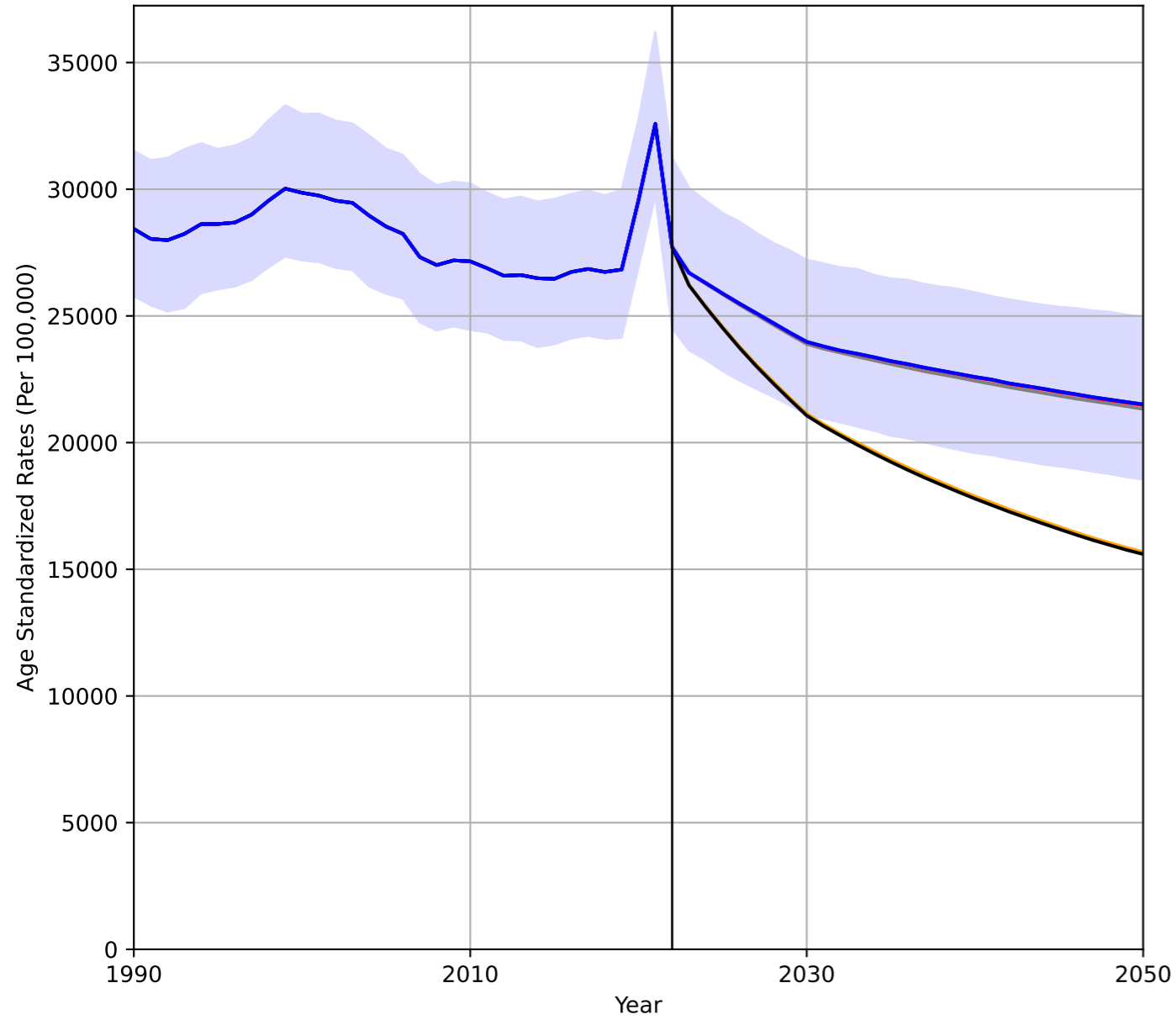
1425



# Montenegro

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

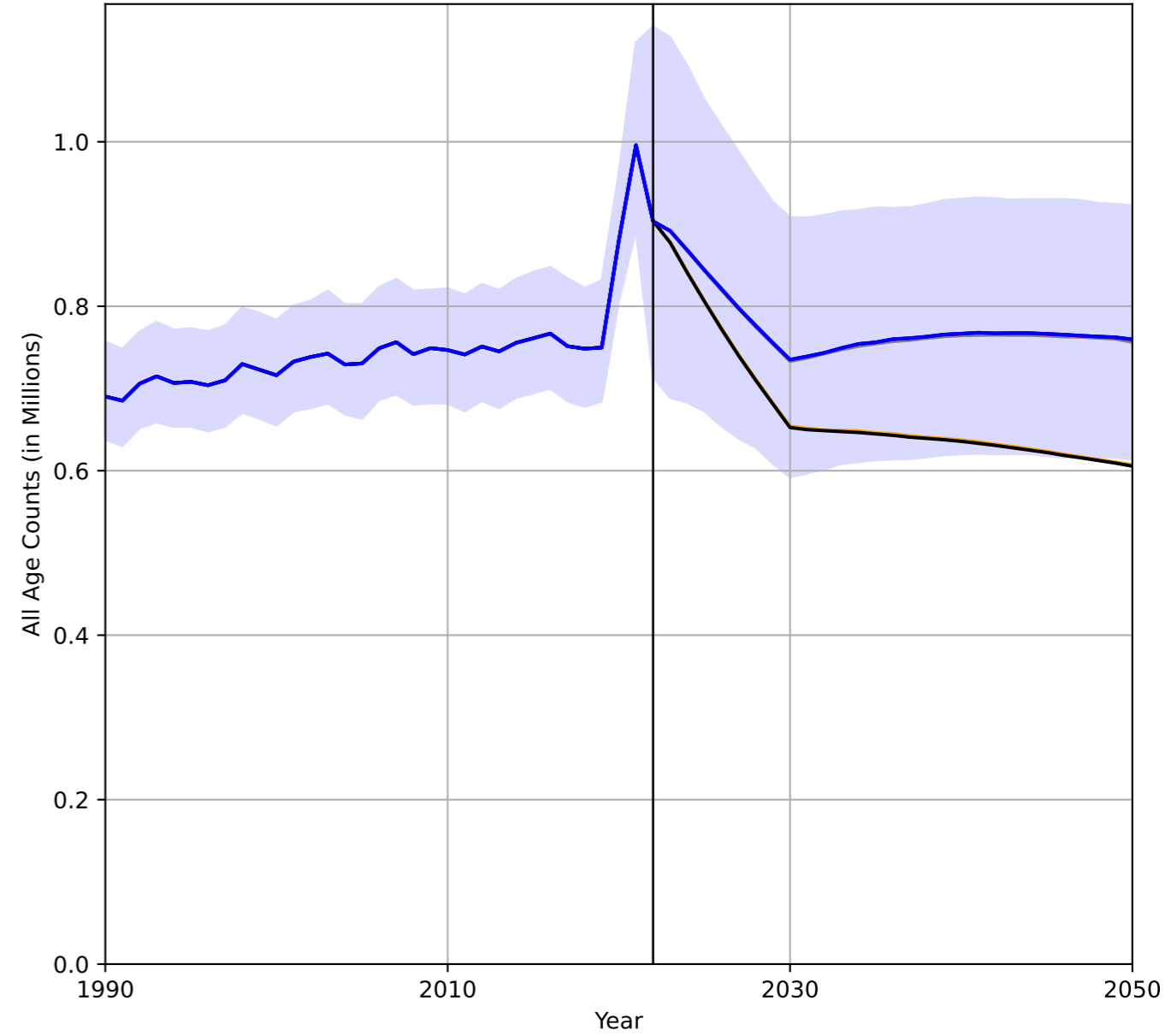
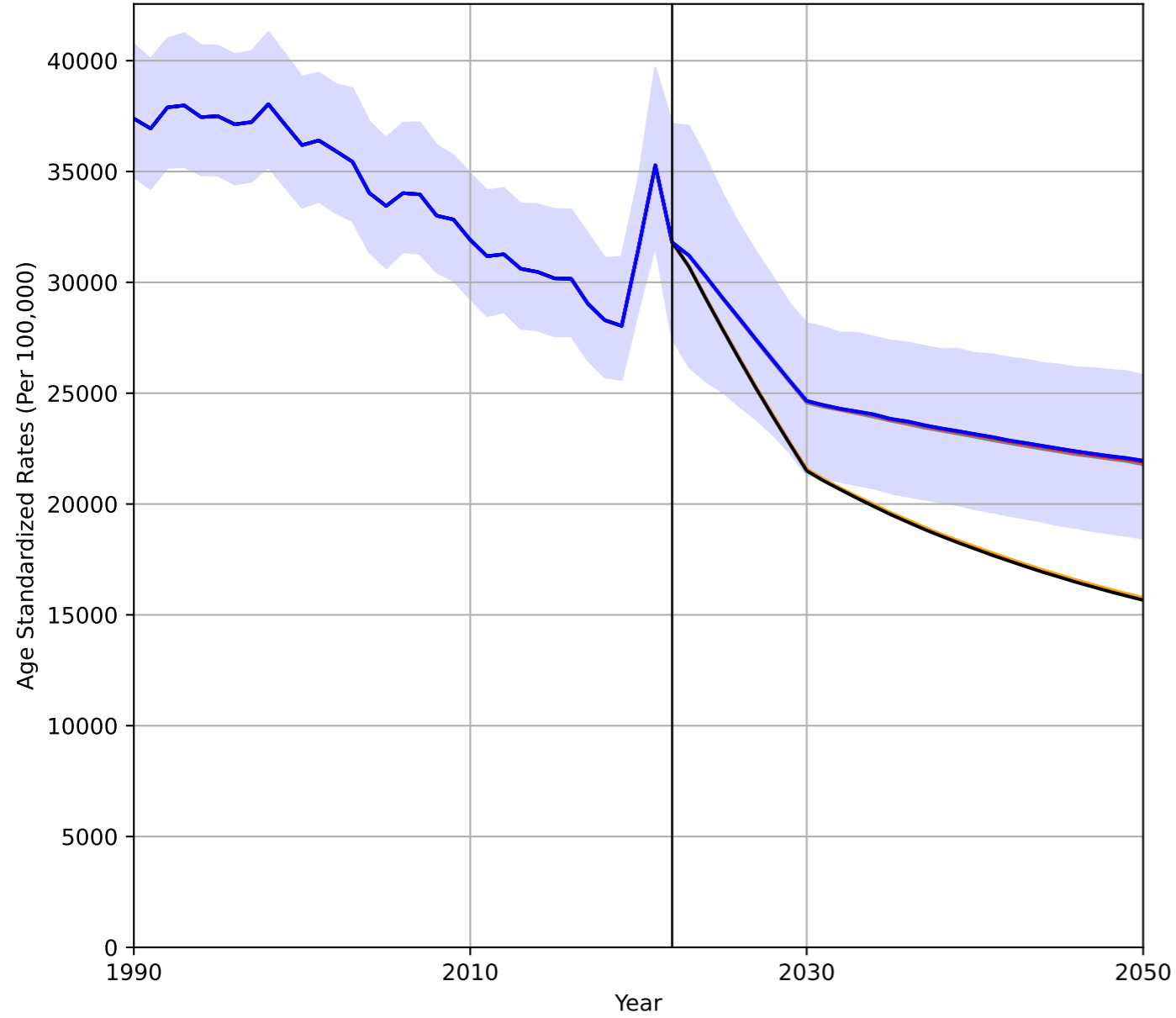
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# North Macedonia

1427

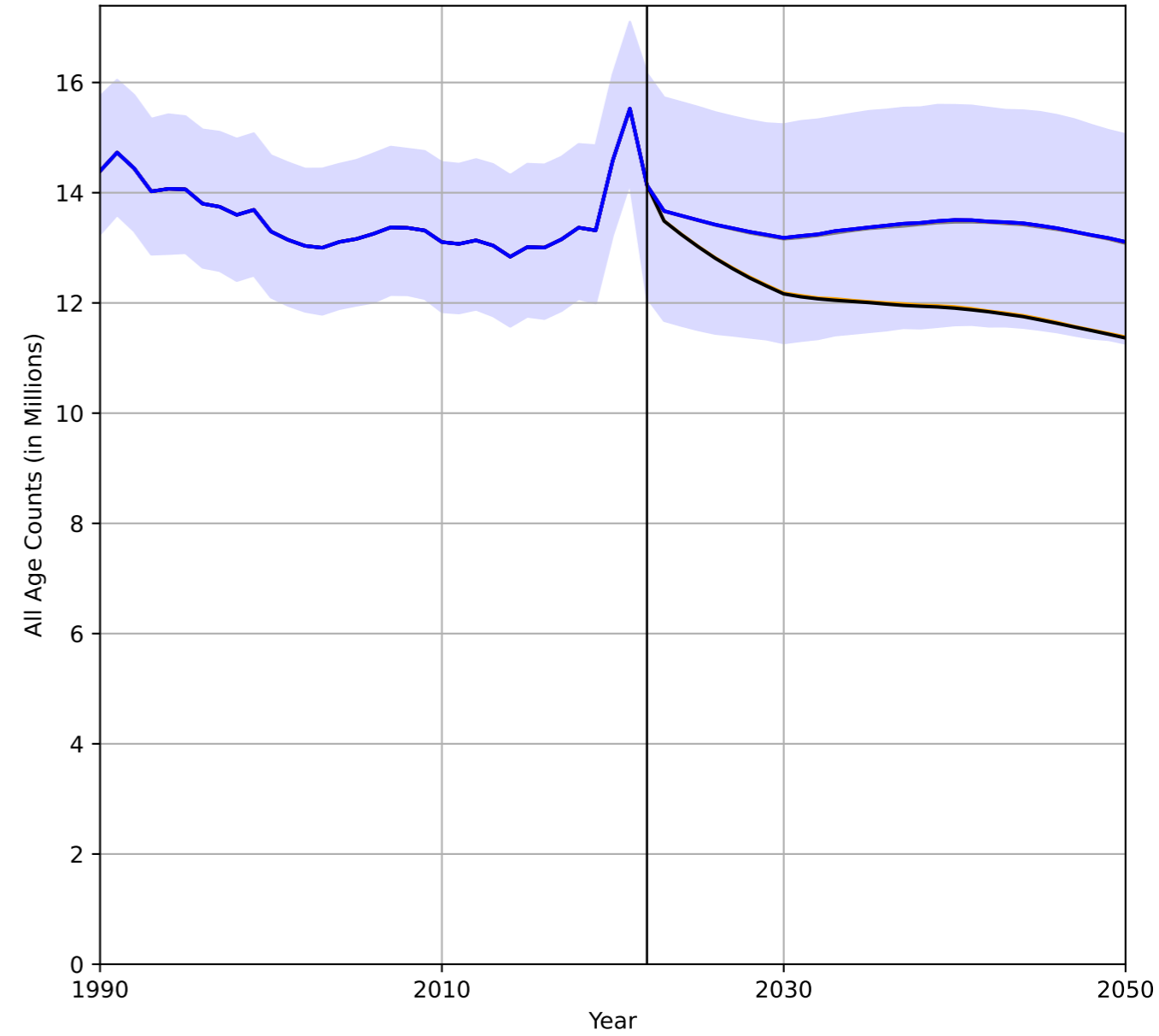
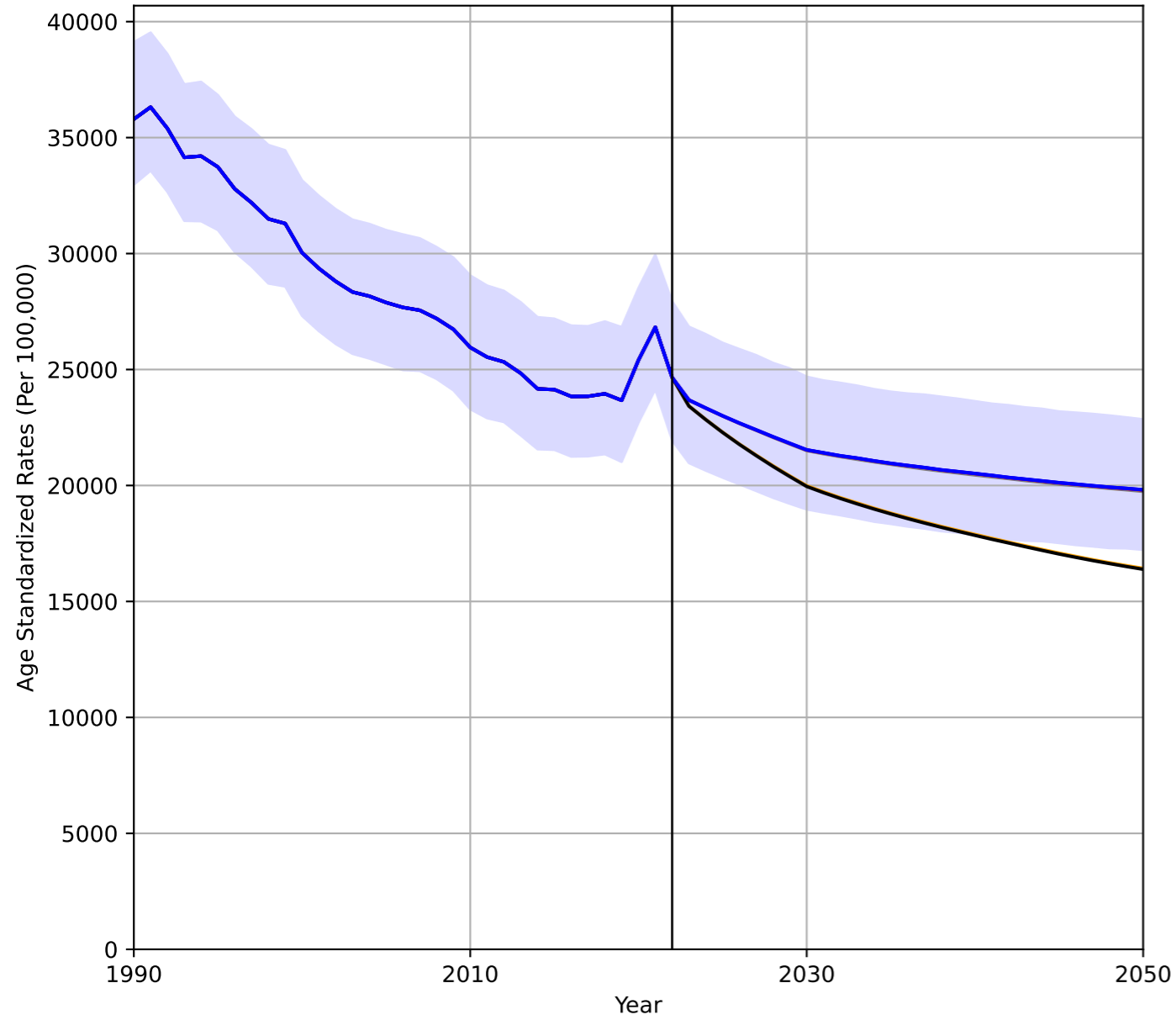
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Poland

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

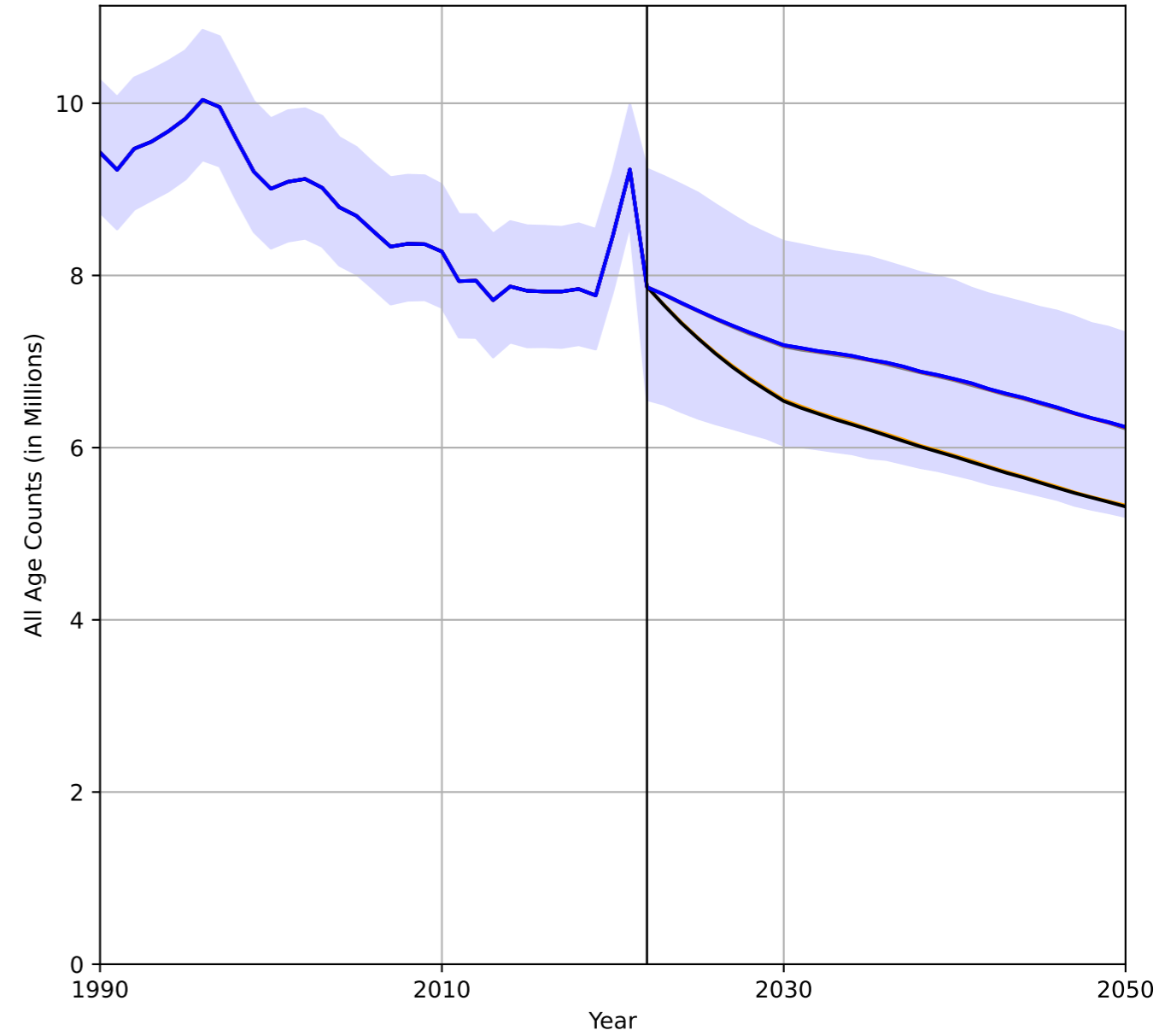
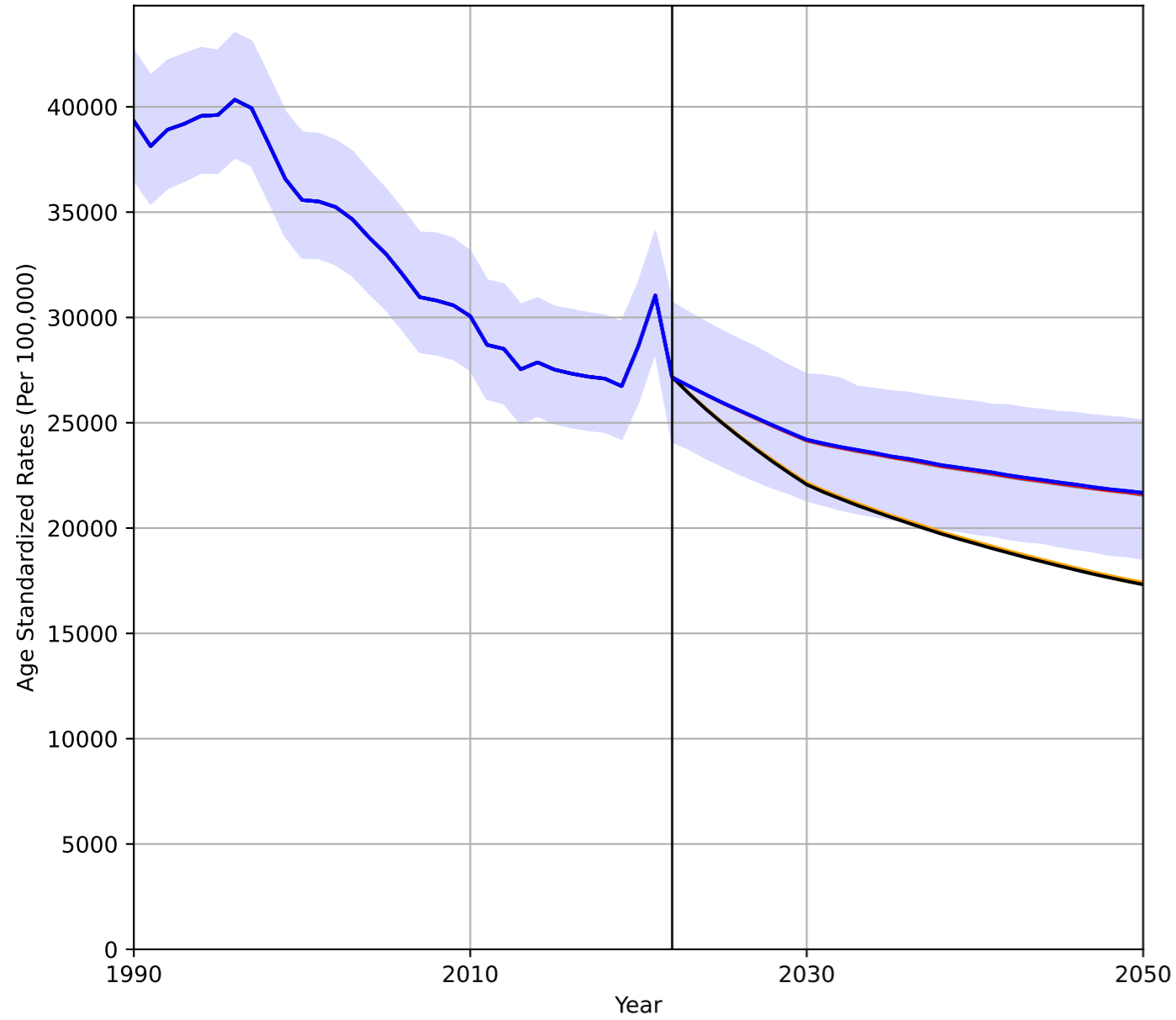
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# Romania

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

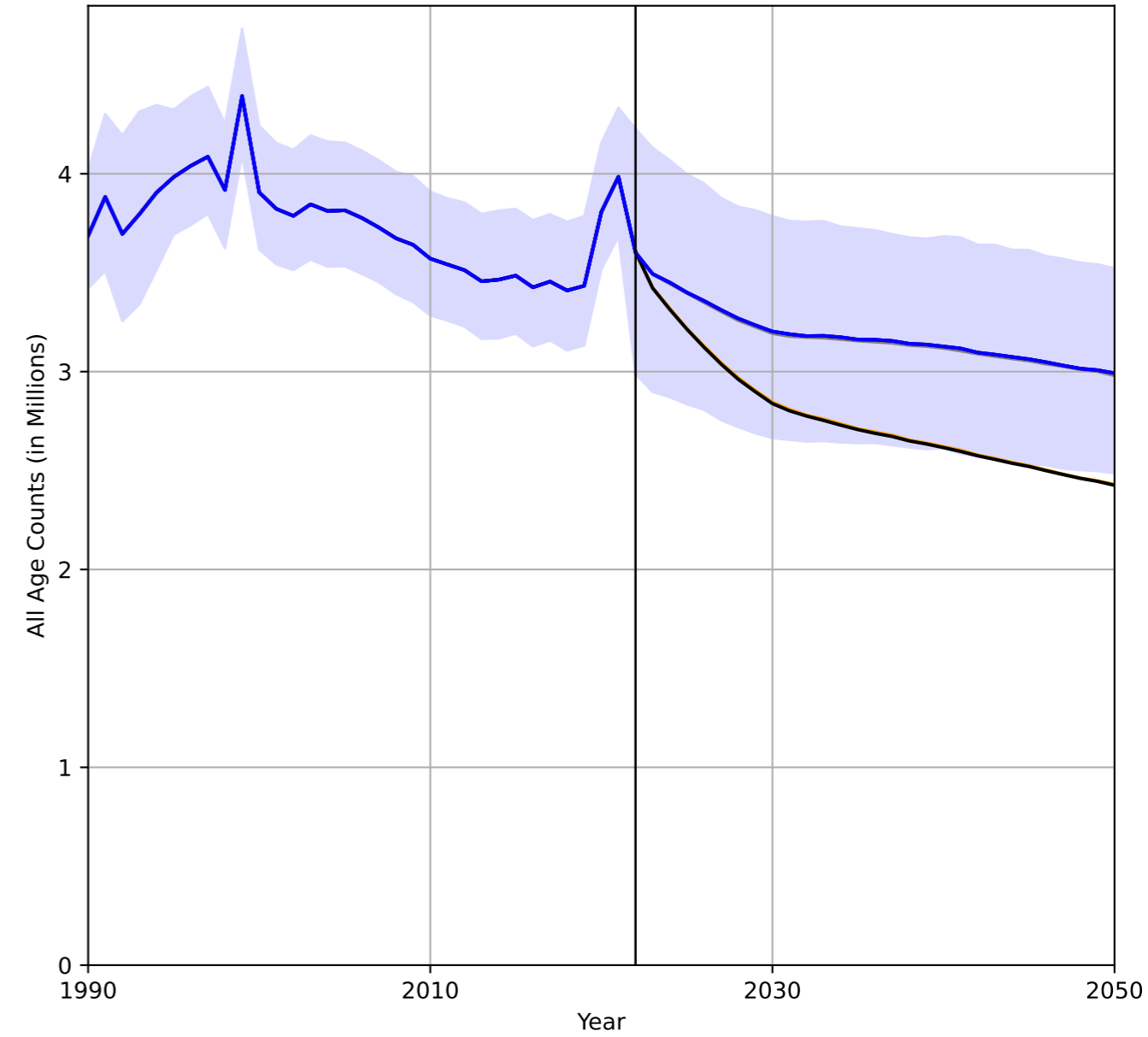
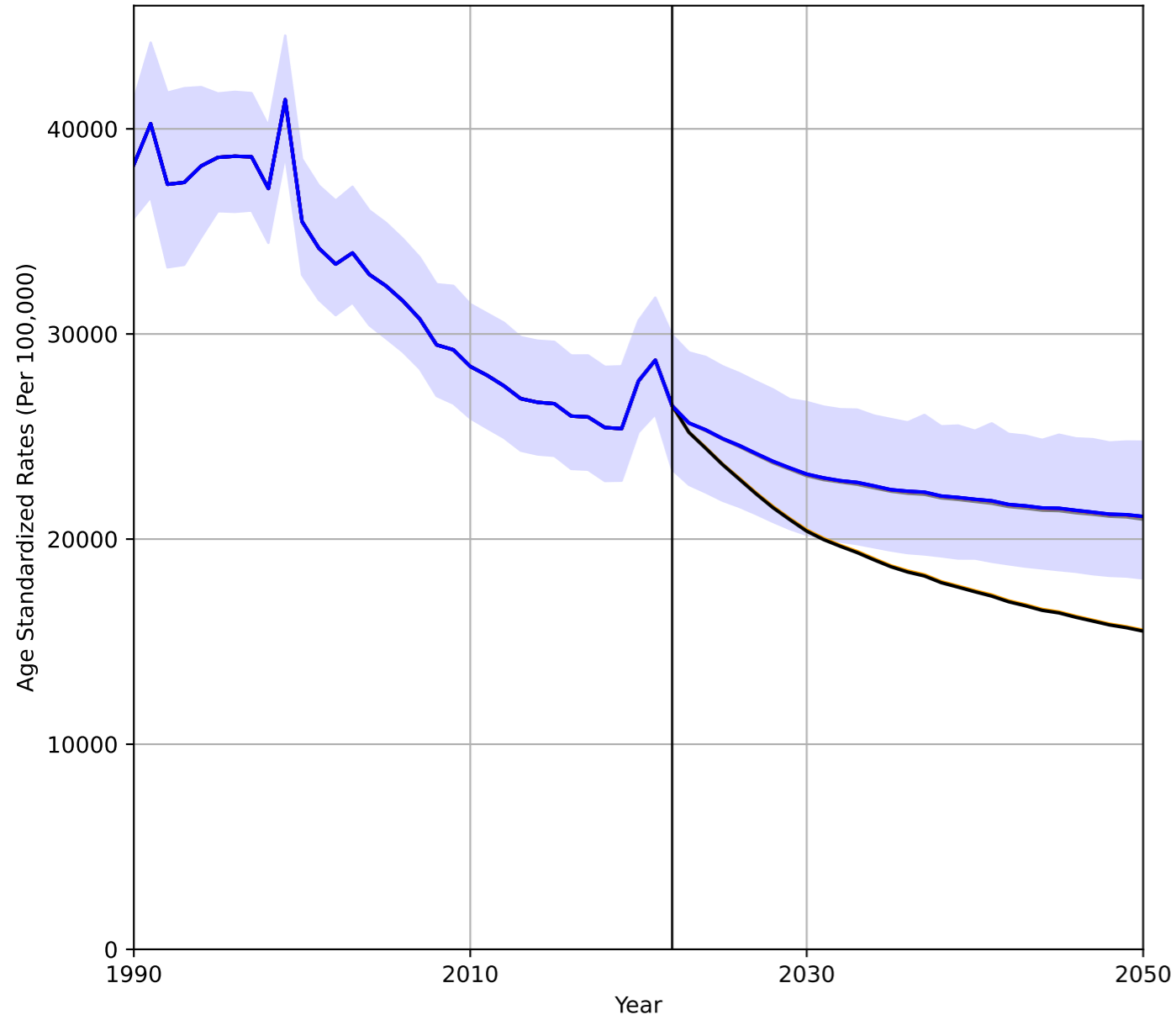
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# Serbia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

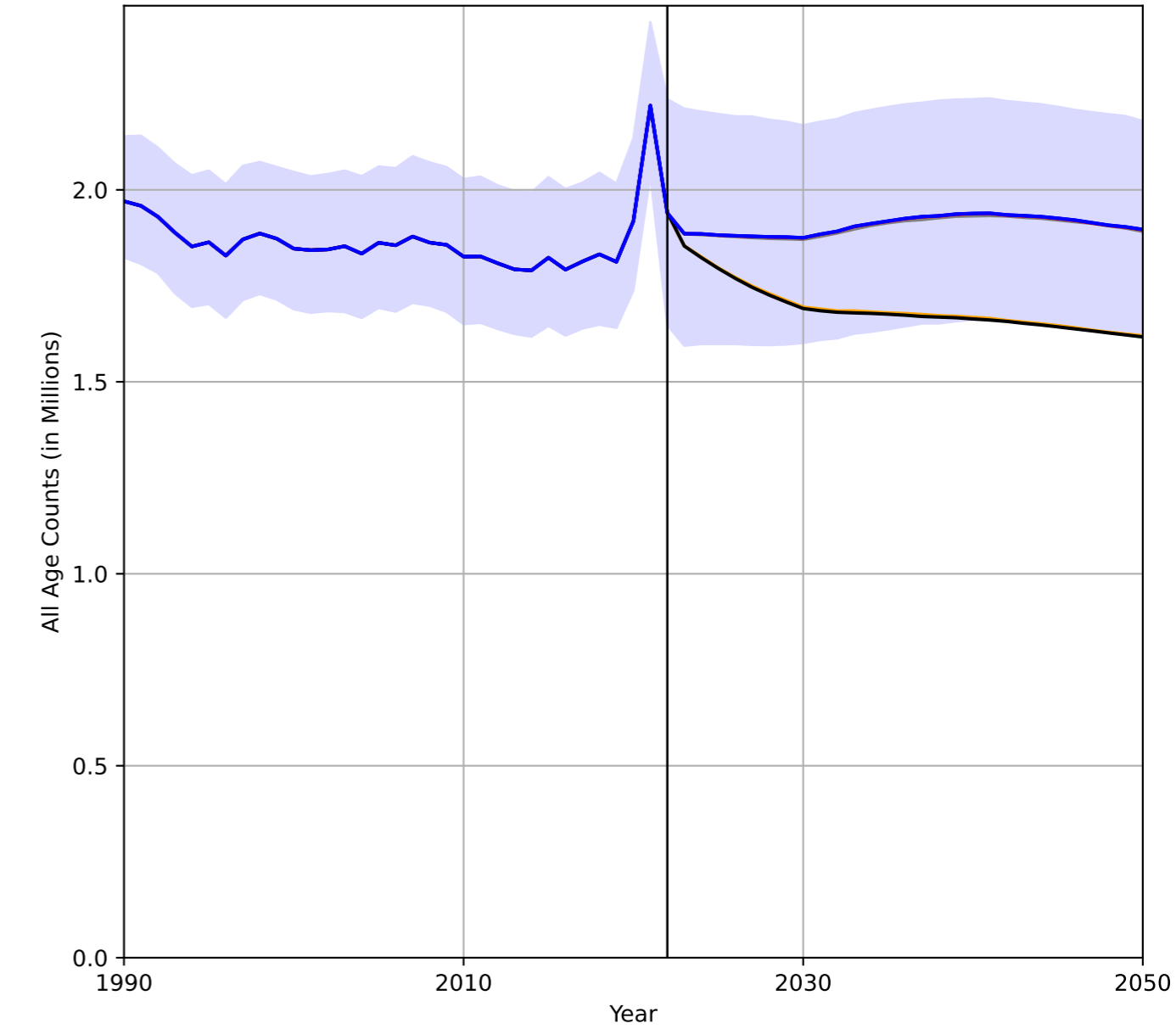
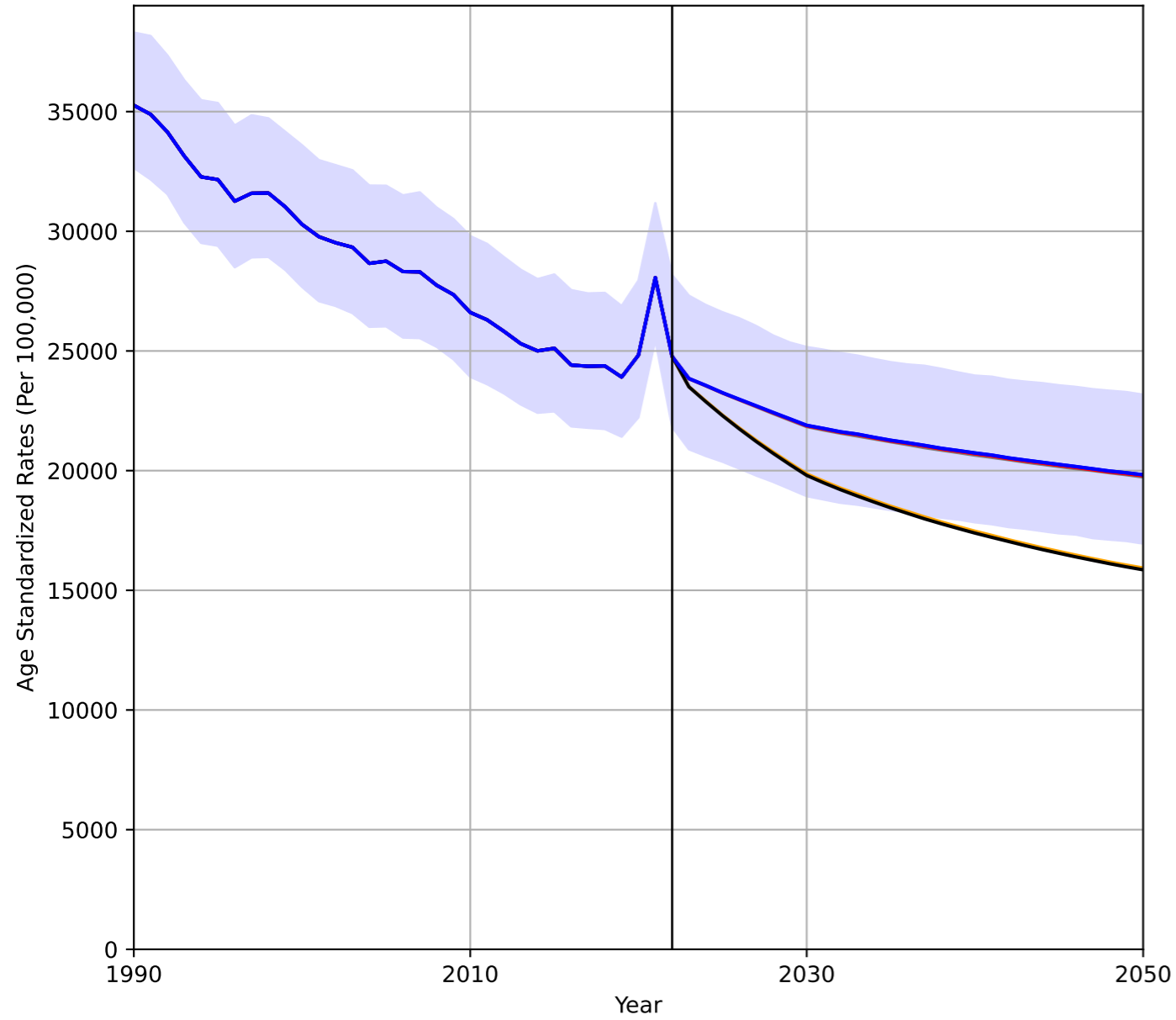
1430



# Slovakia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1431

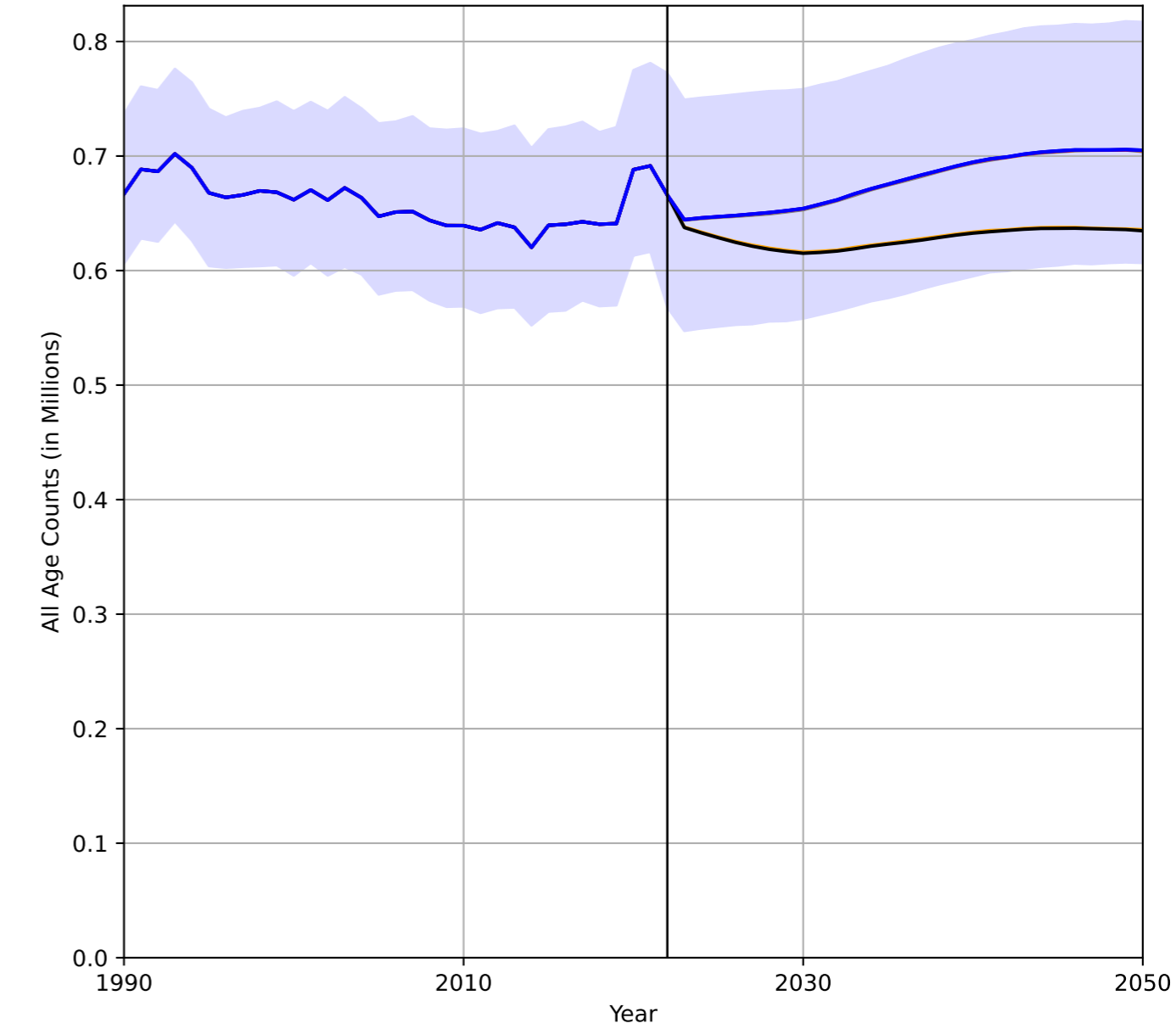
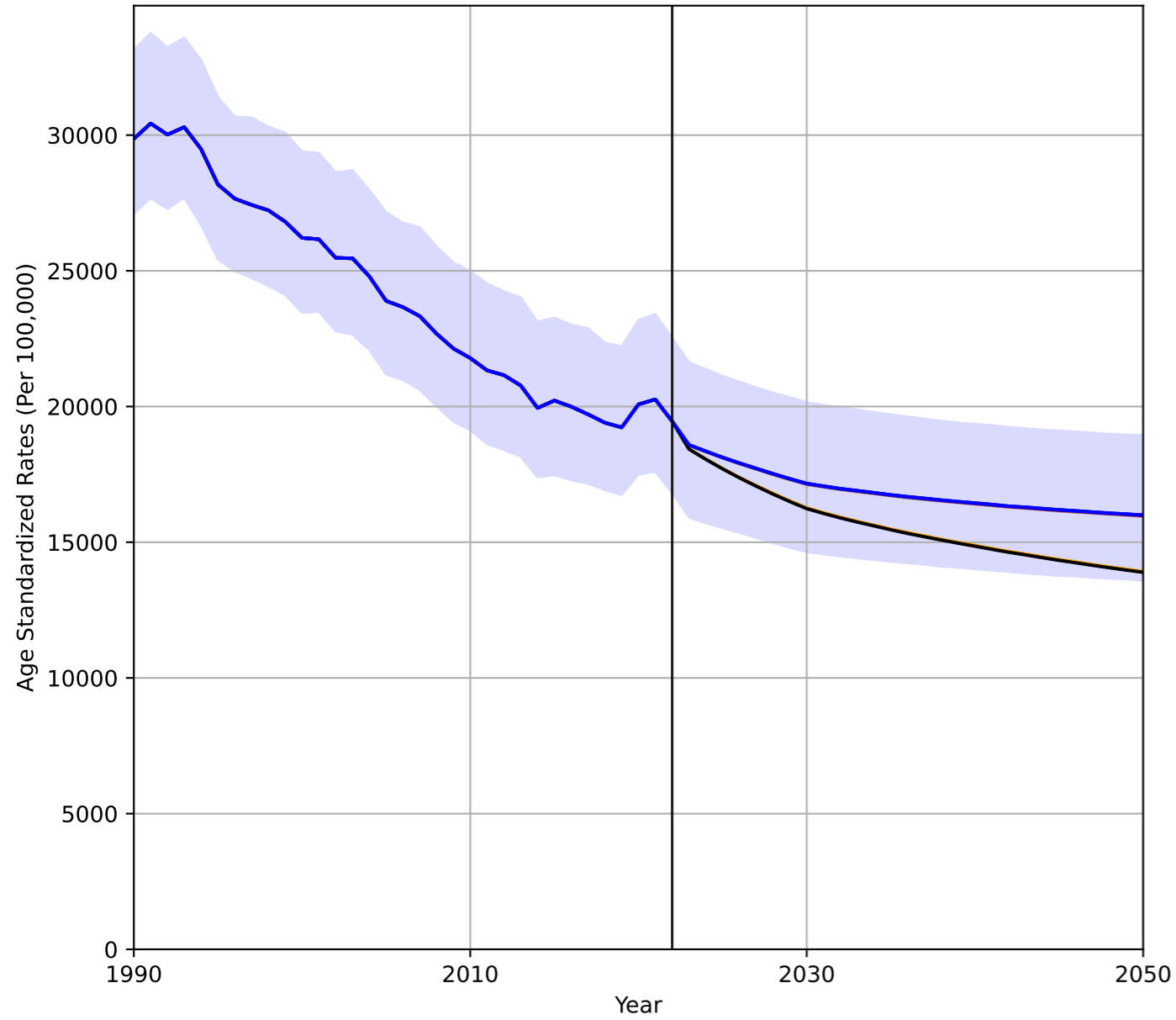




# Slovenia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

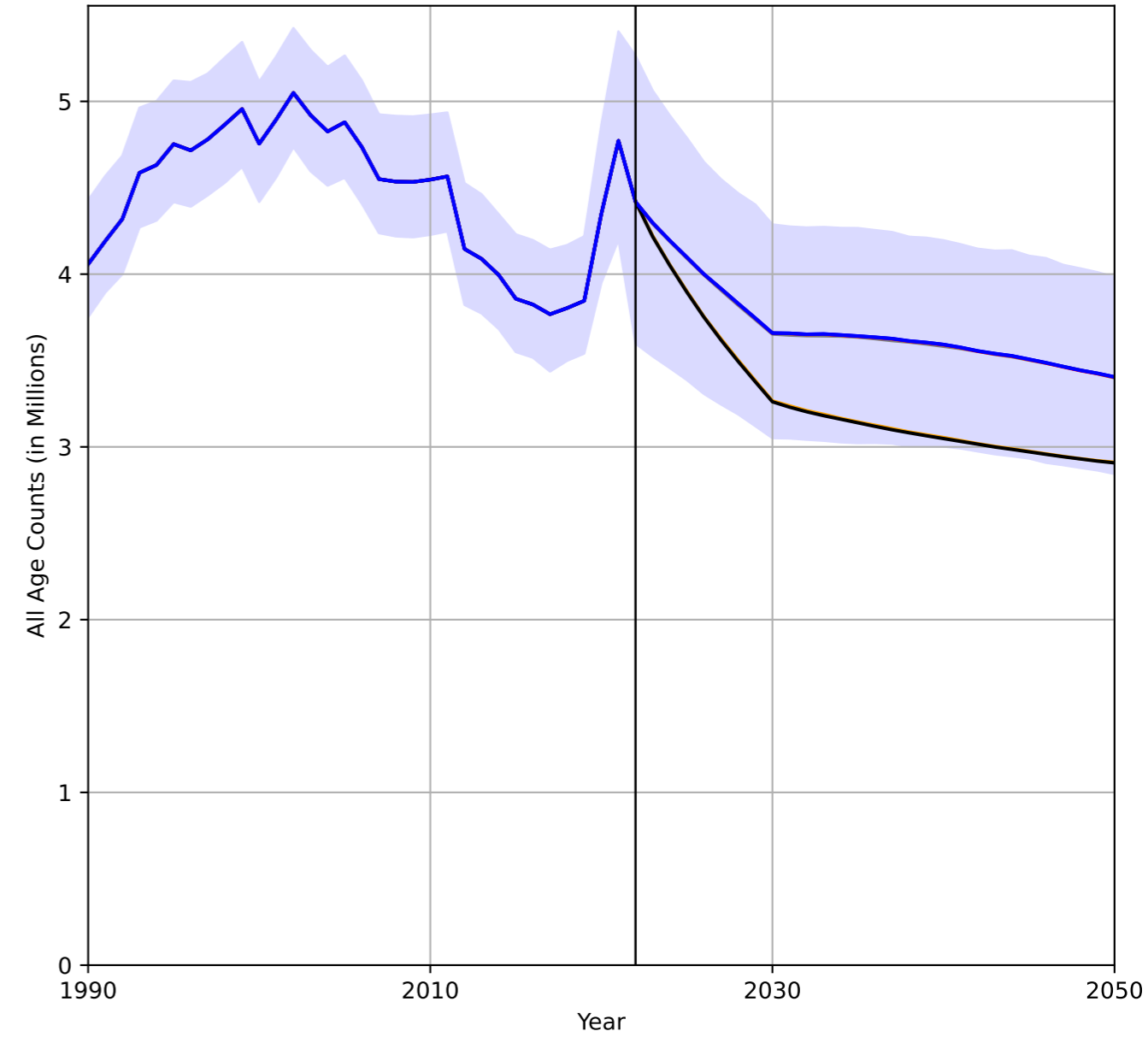
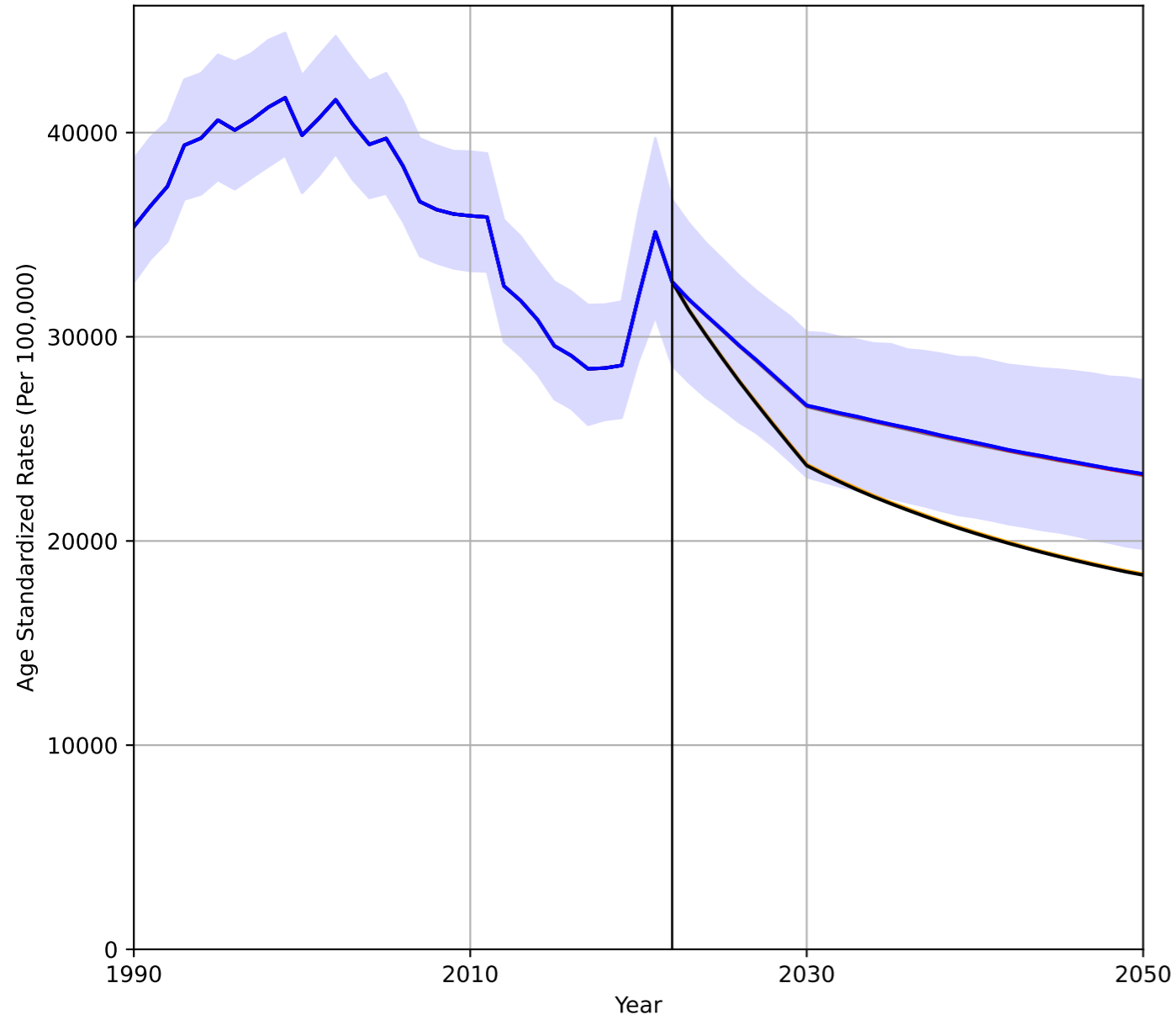
1432



# Belarus

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

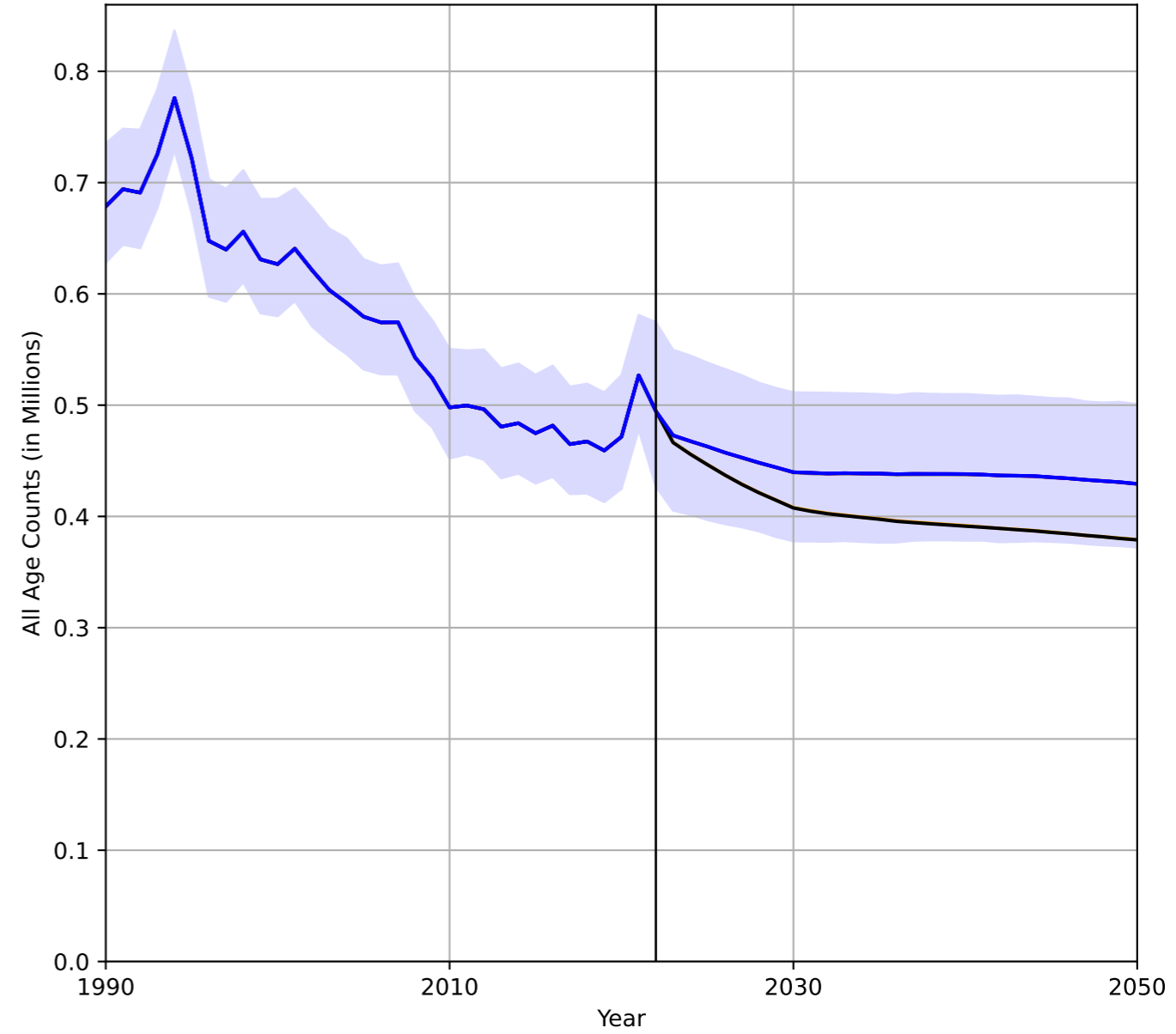
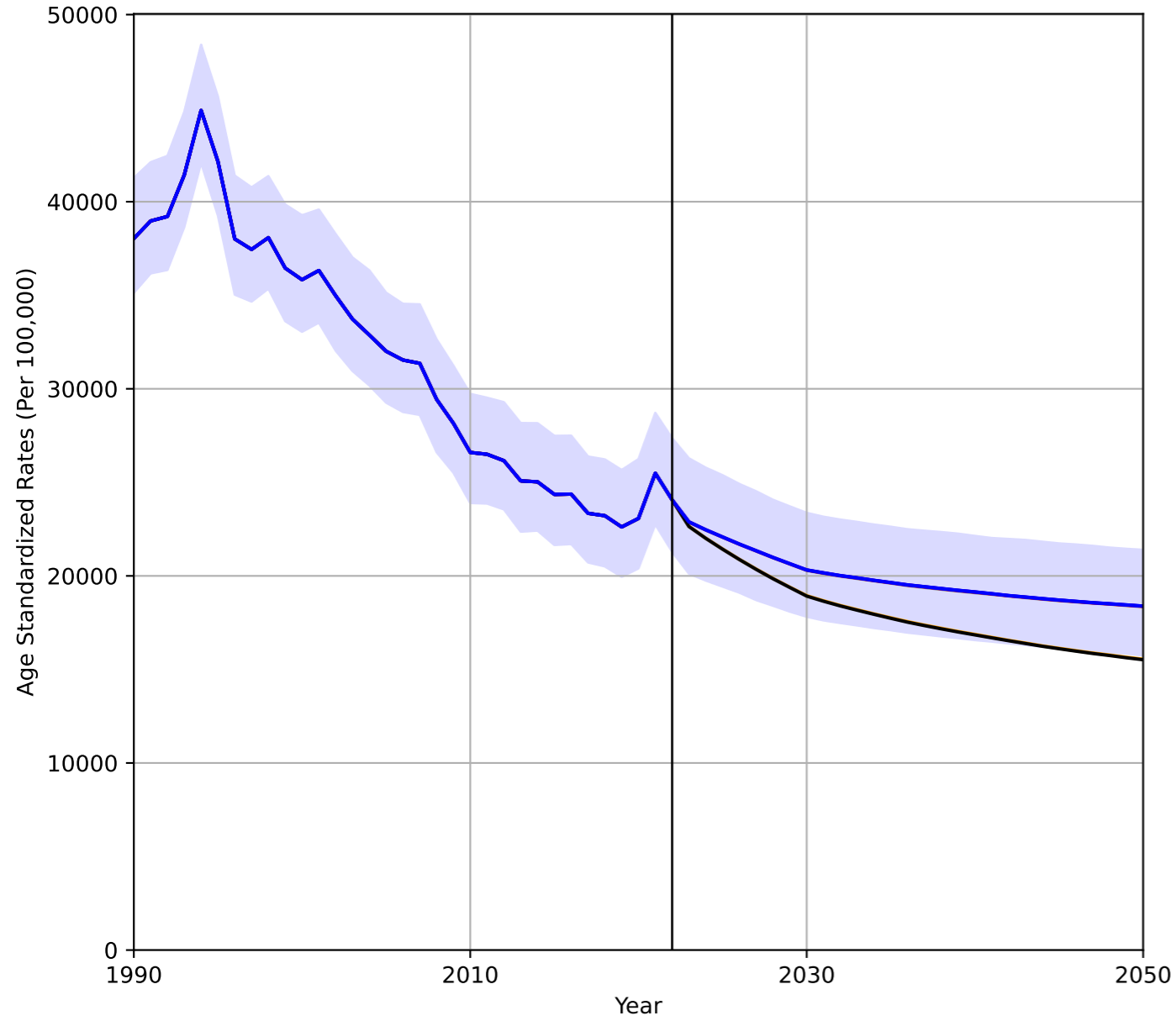
1433



# Estonia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

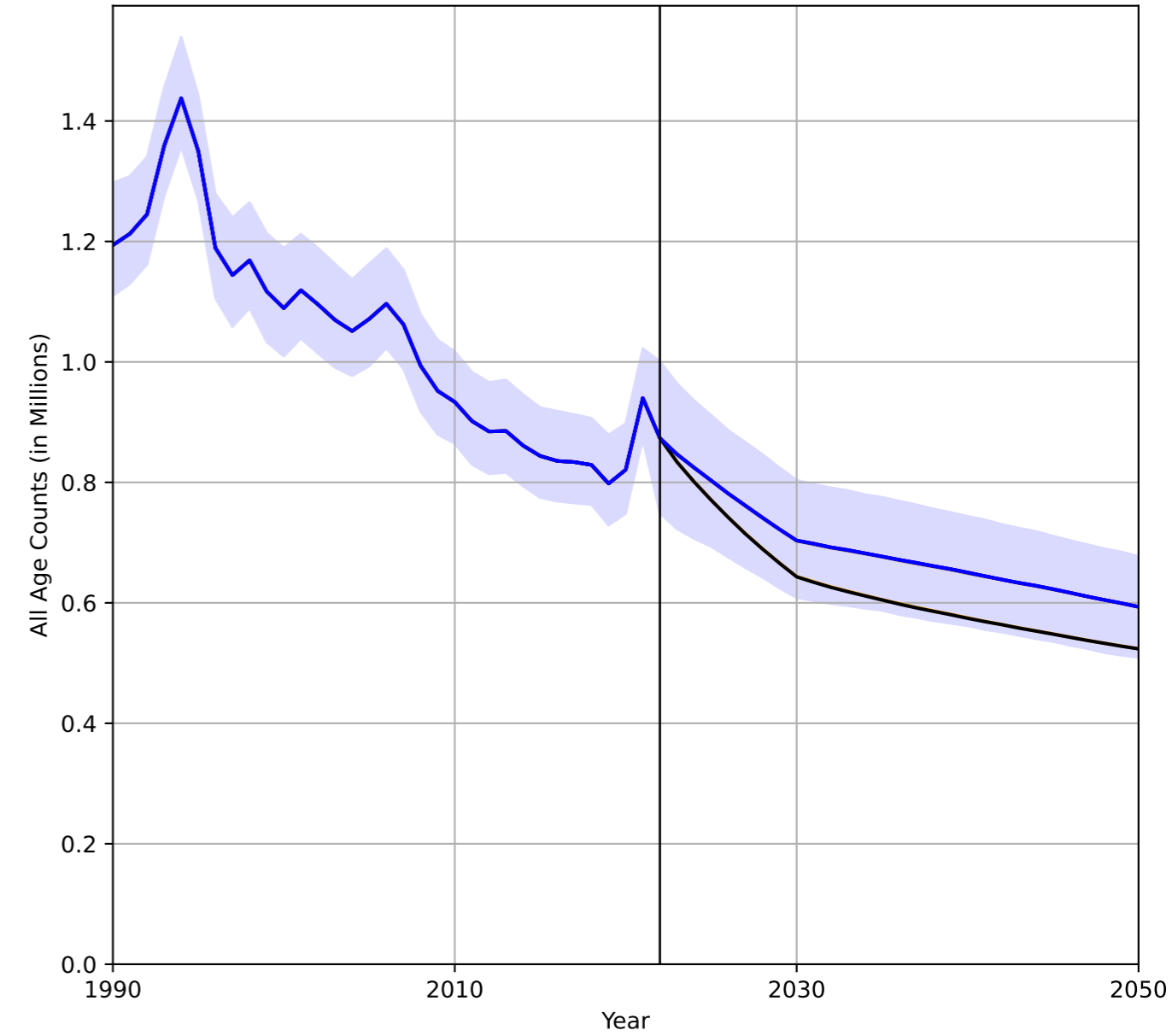
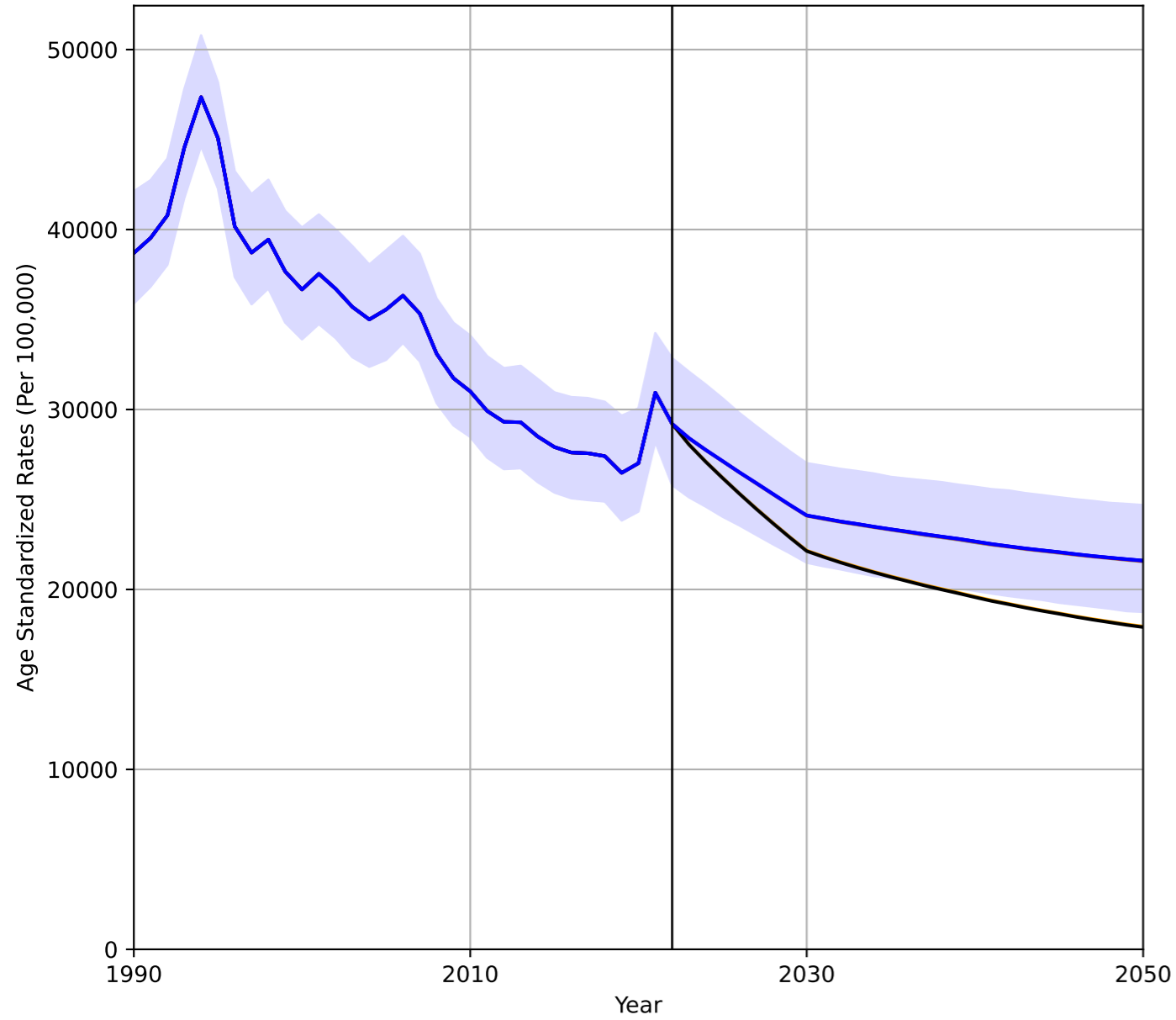
1434



# Latvia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

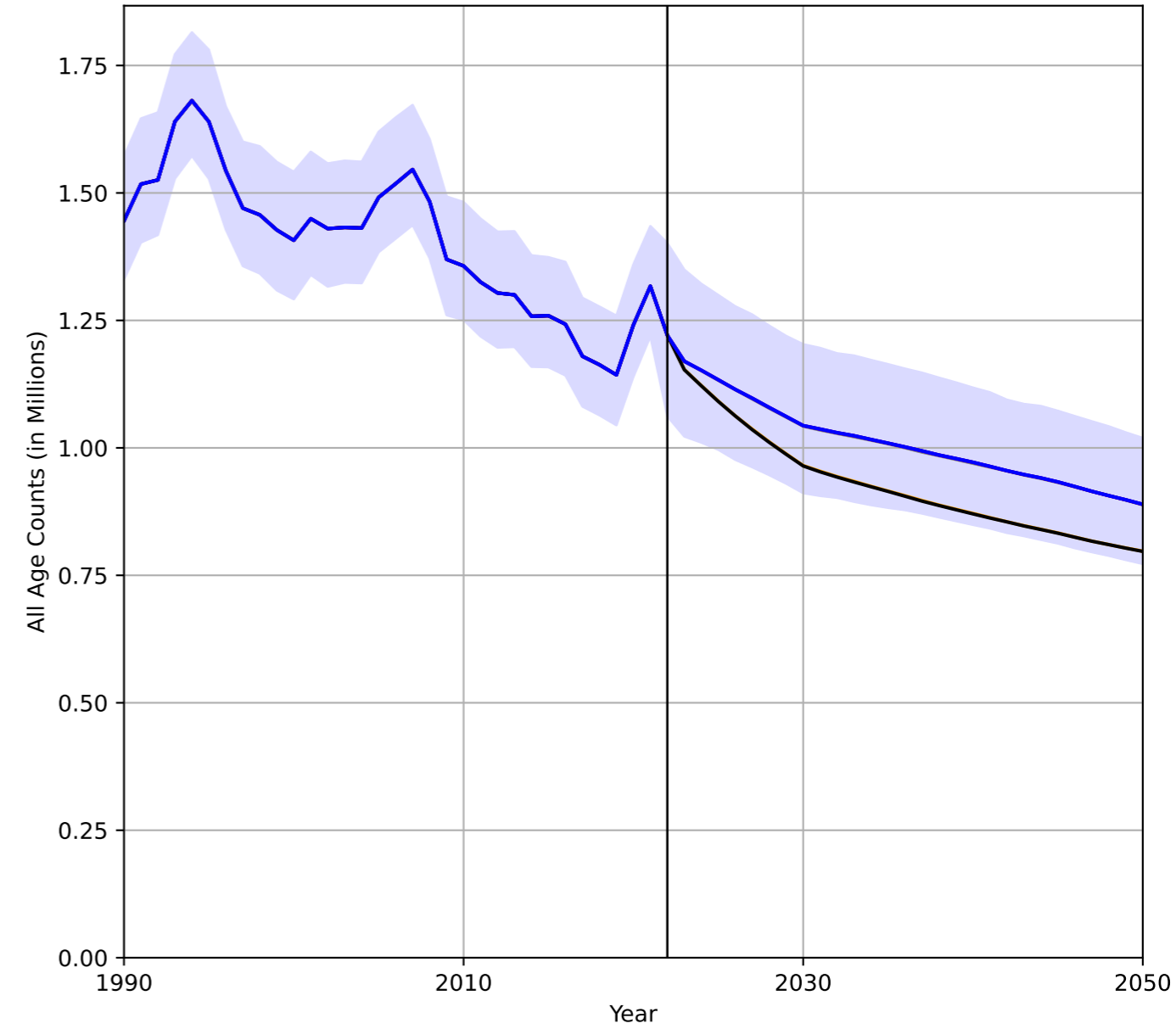
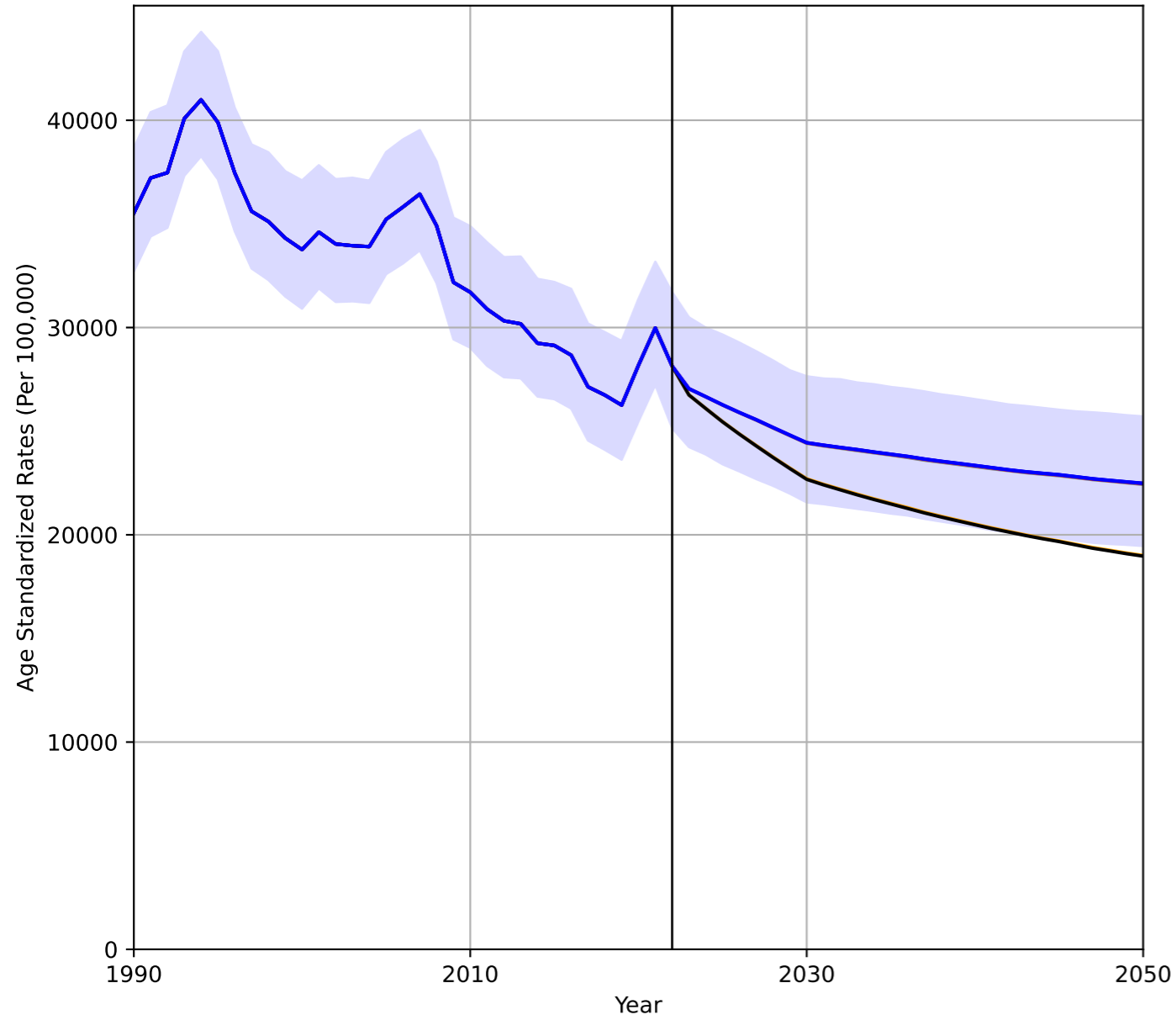
1435



# Lithuania

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

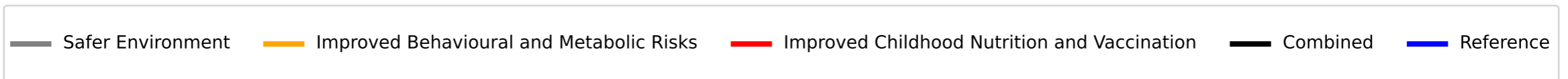
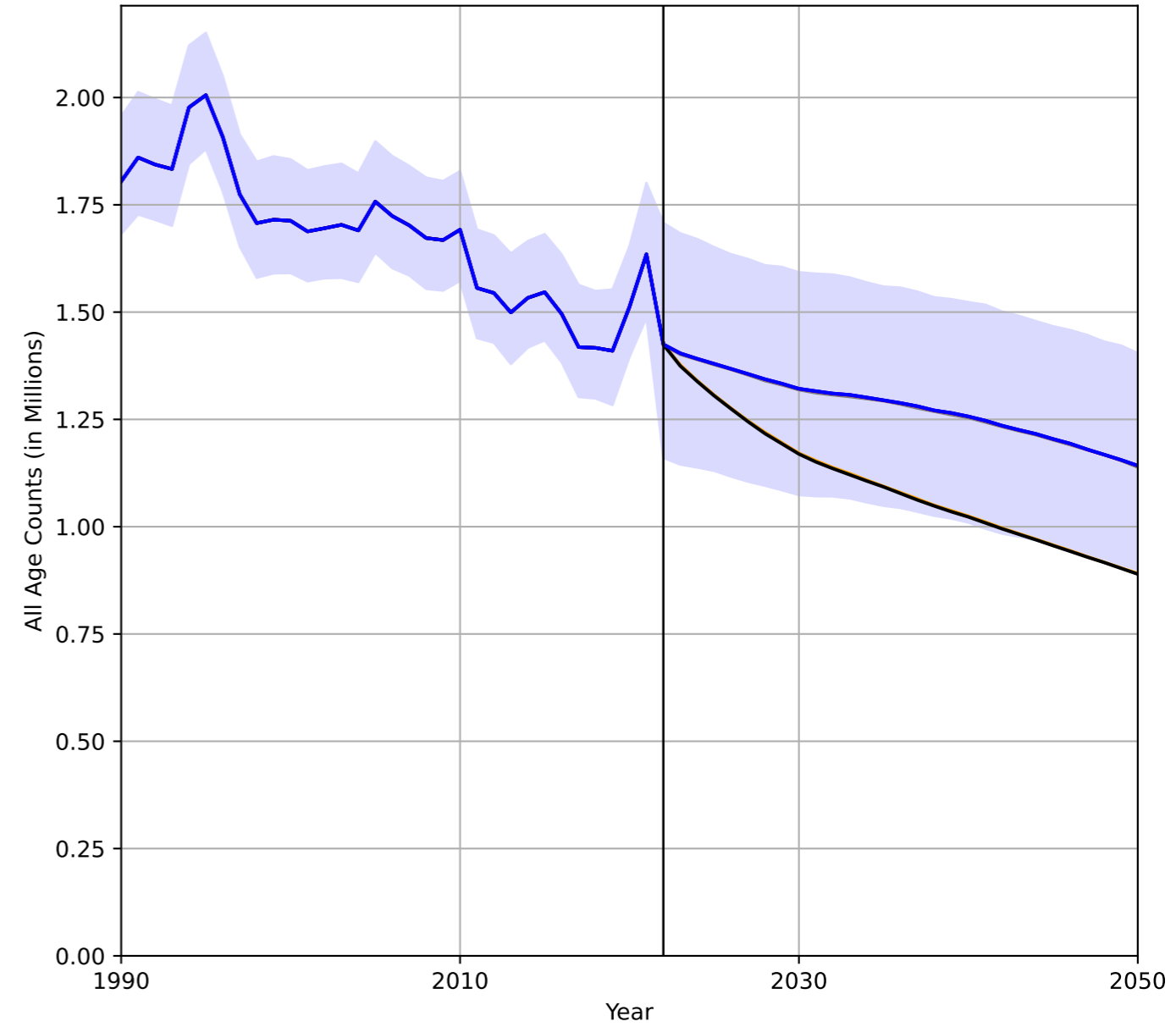
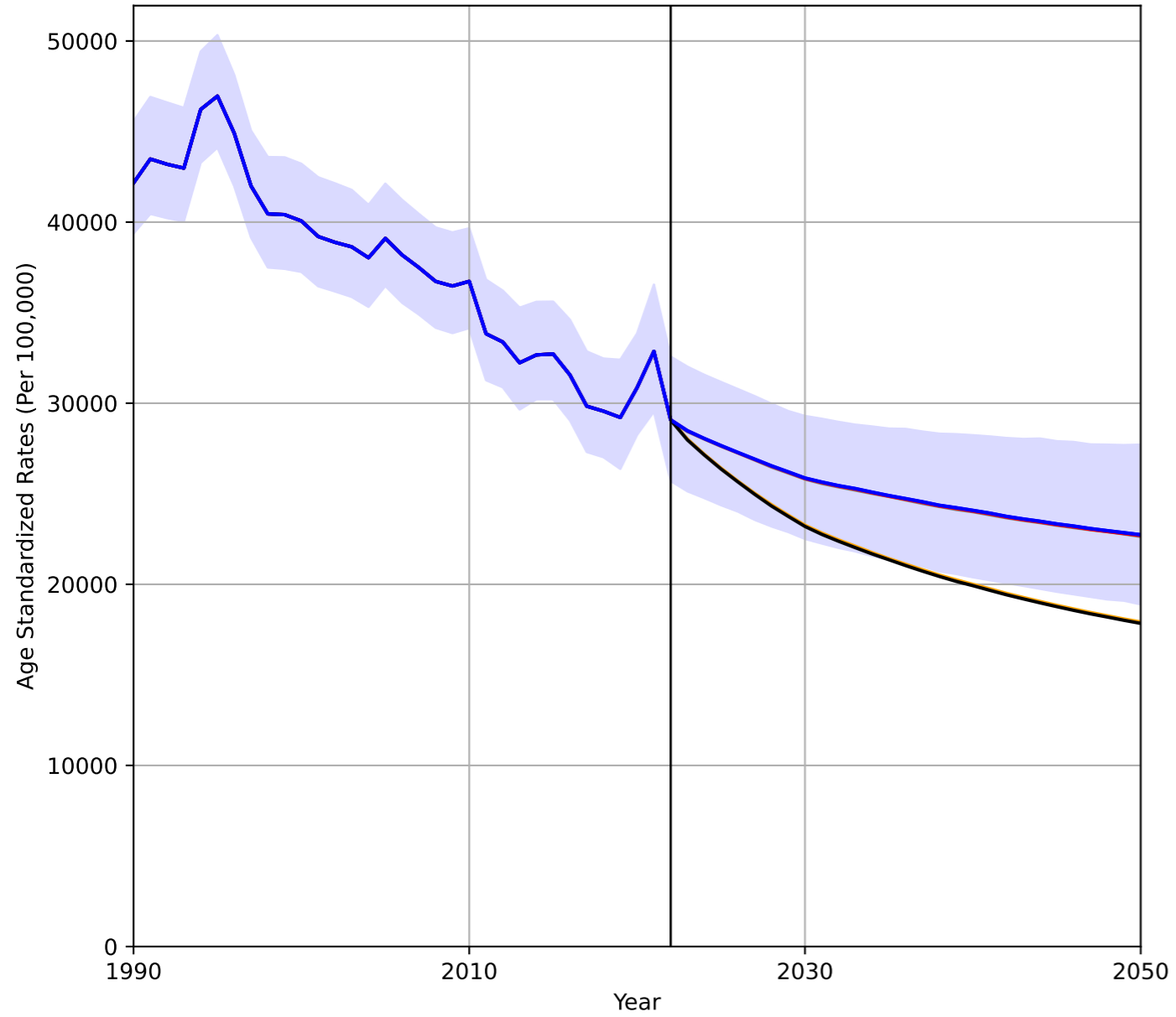
1436



# Moldova

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

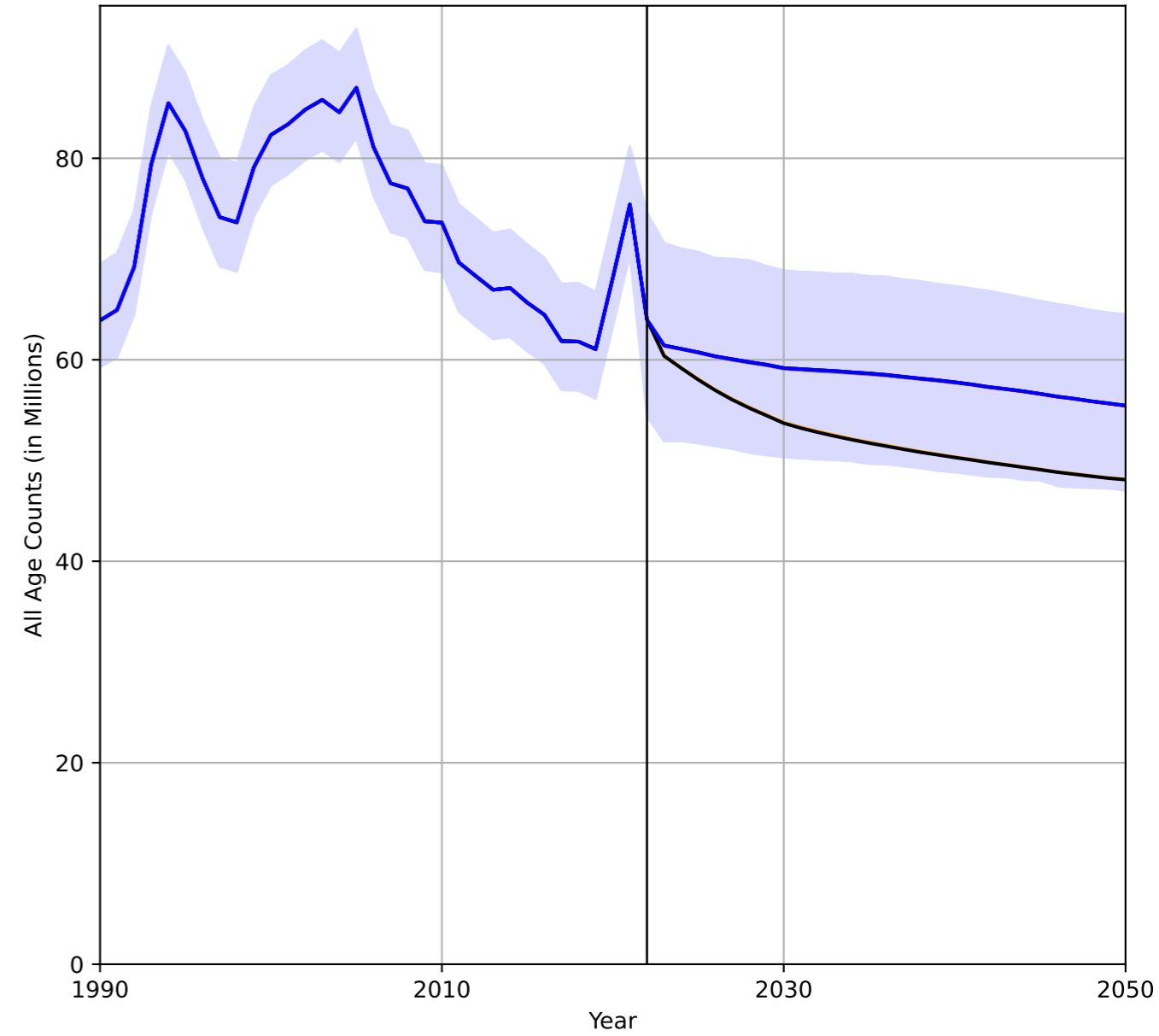
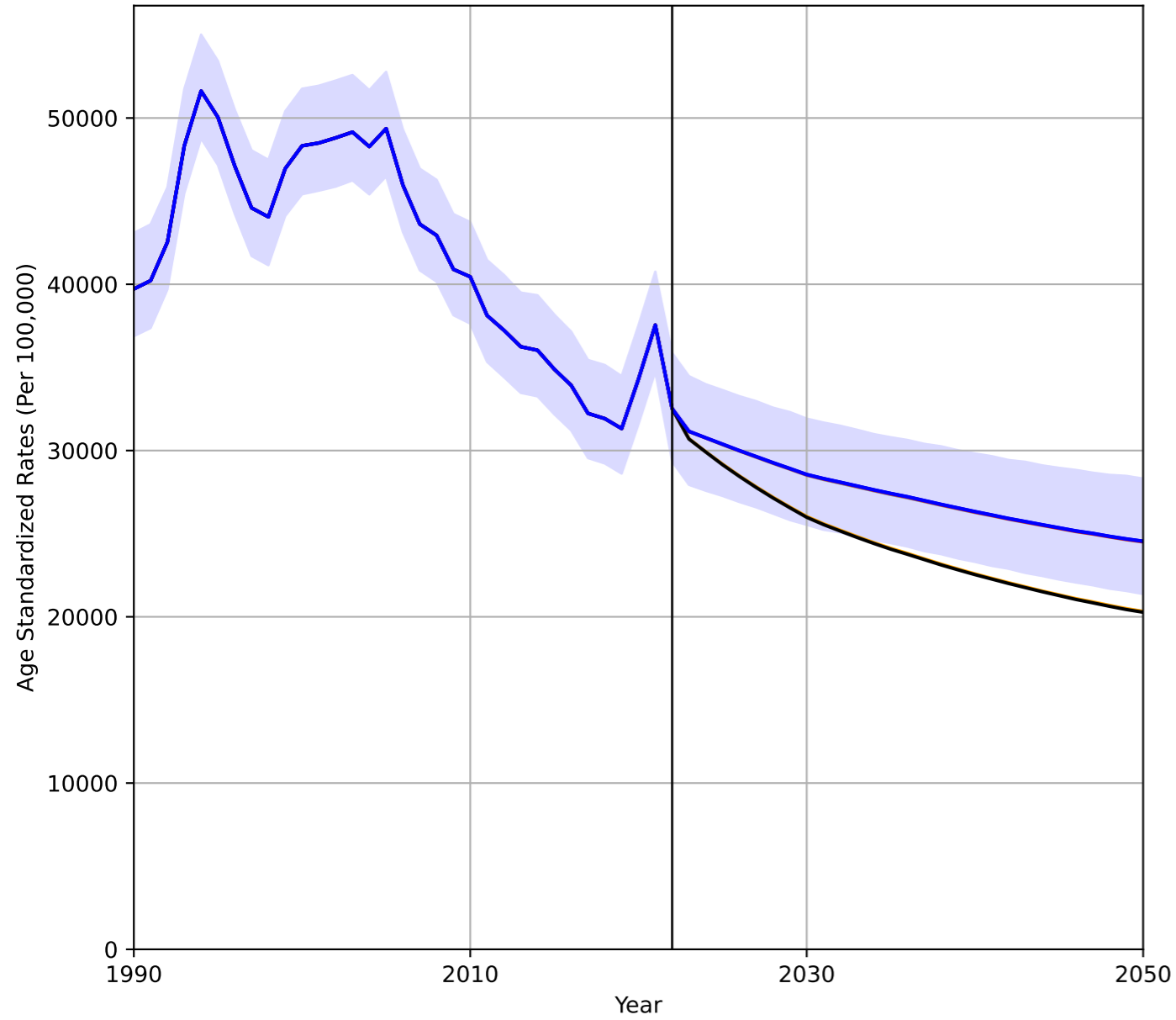
1437



# Russia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

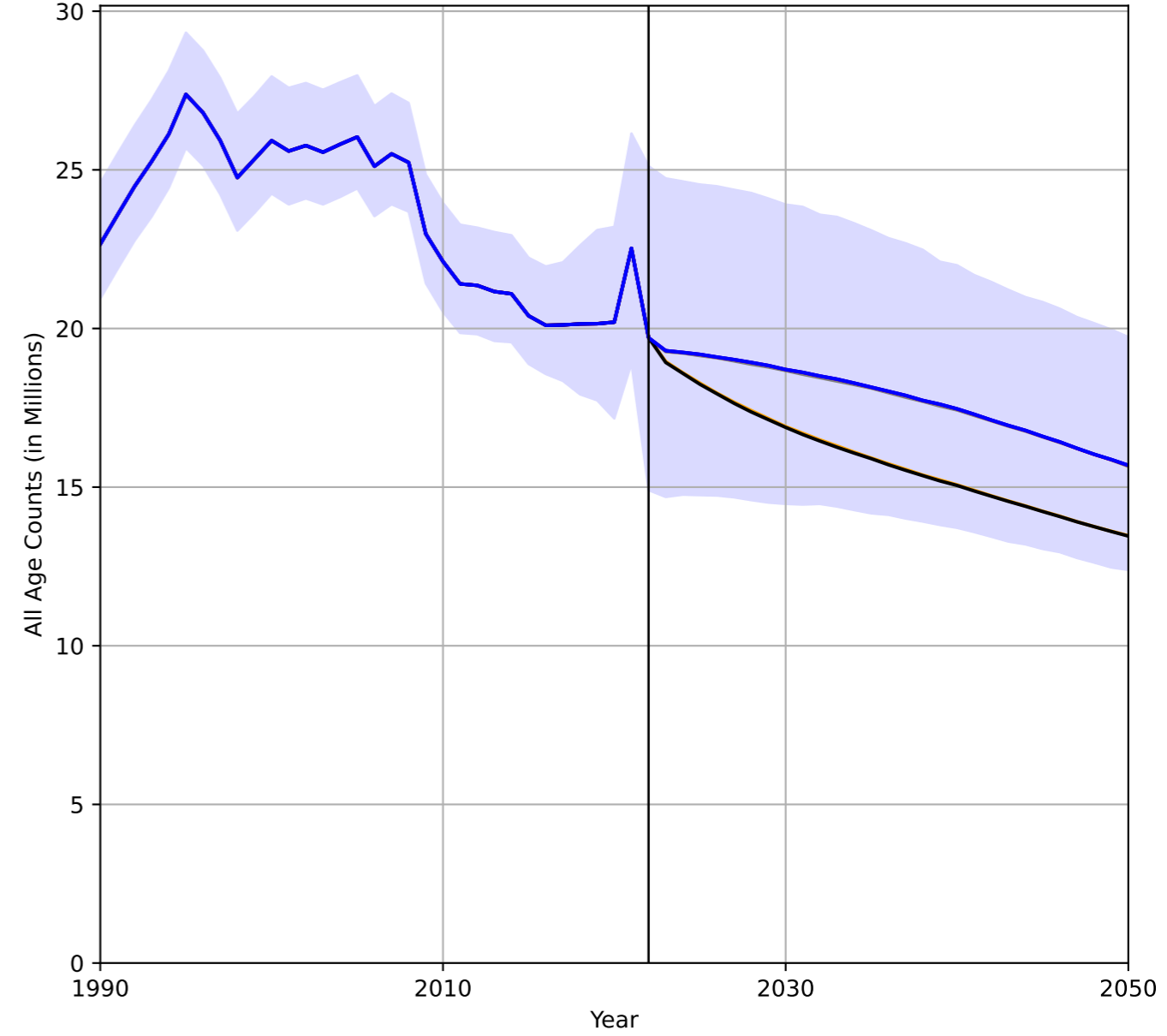
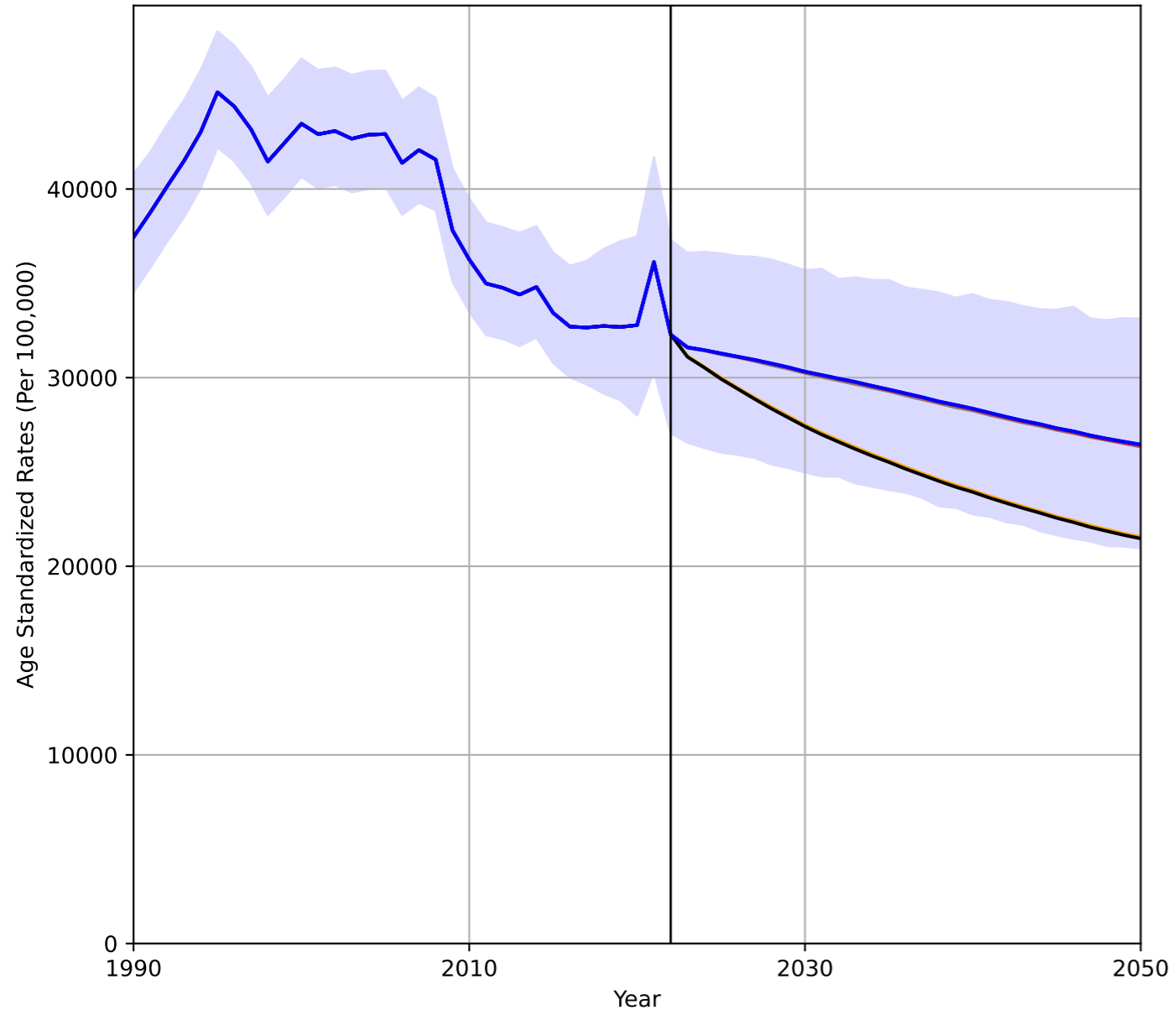
1438



# Ukraine

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1439

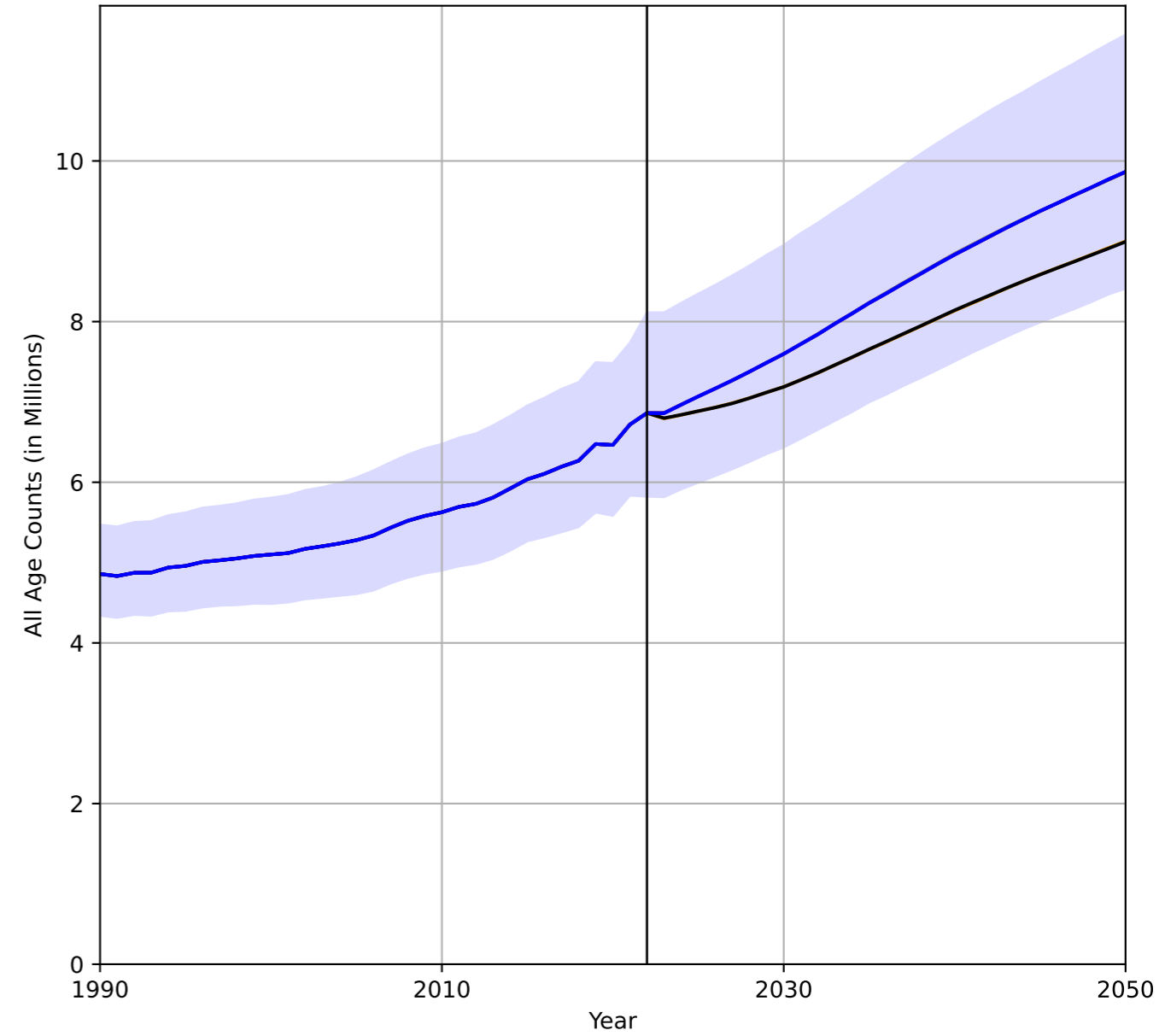
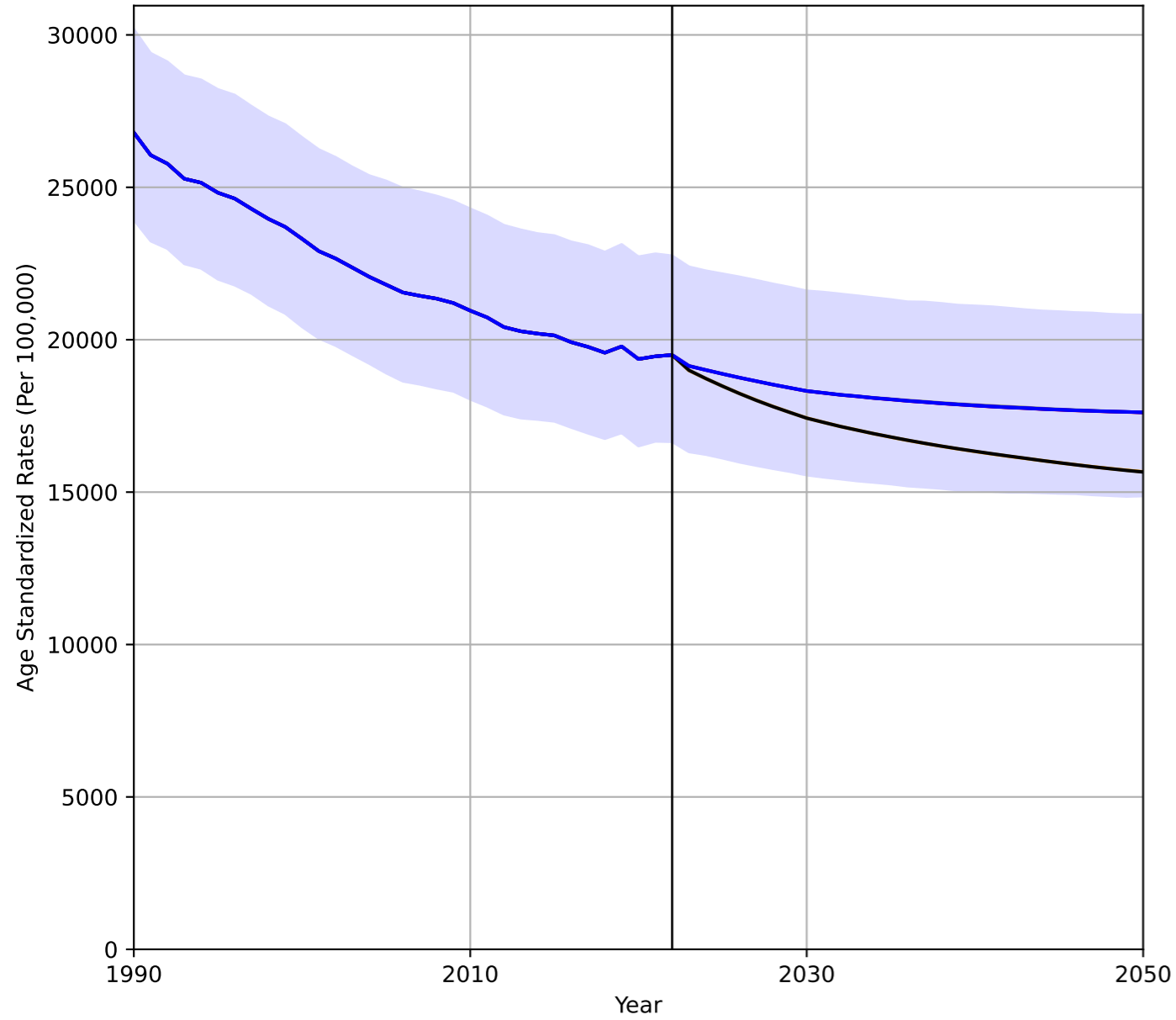




# Australia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

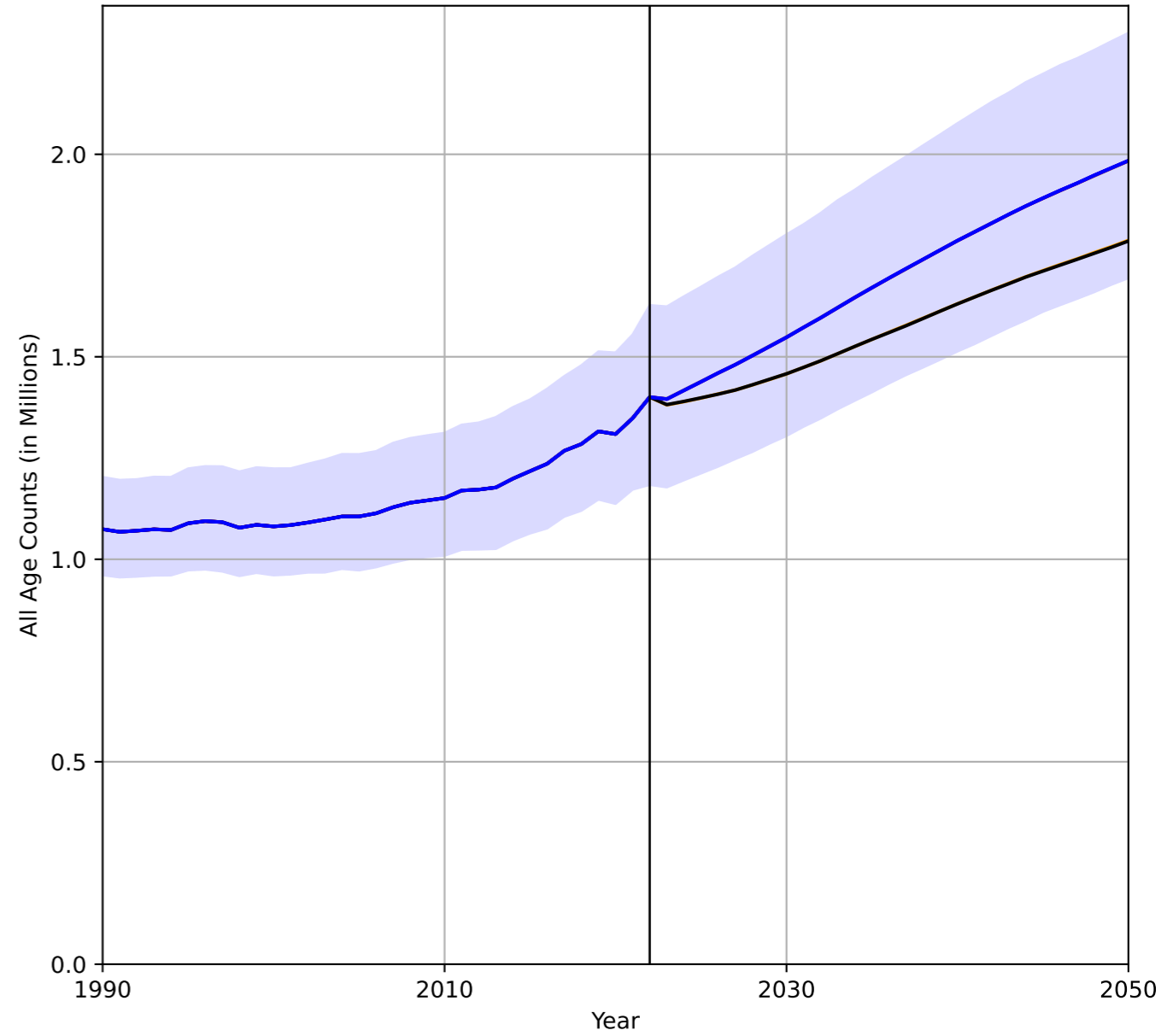
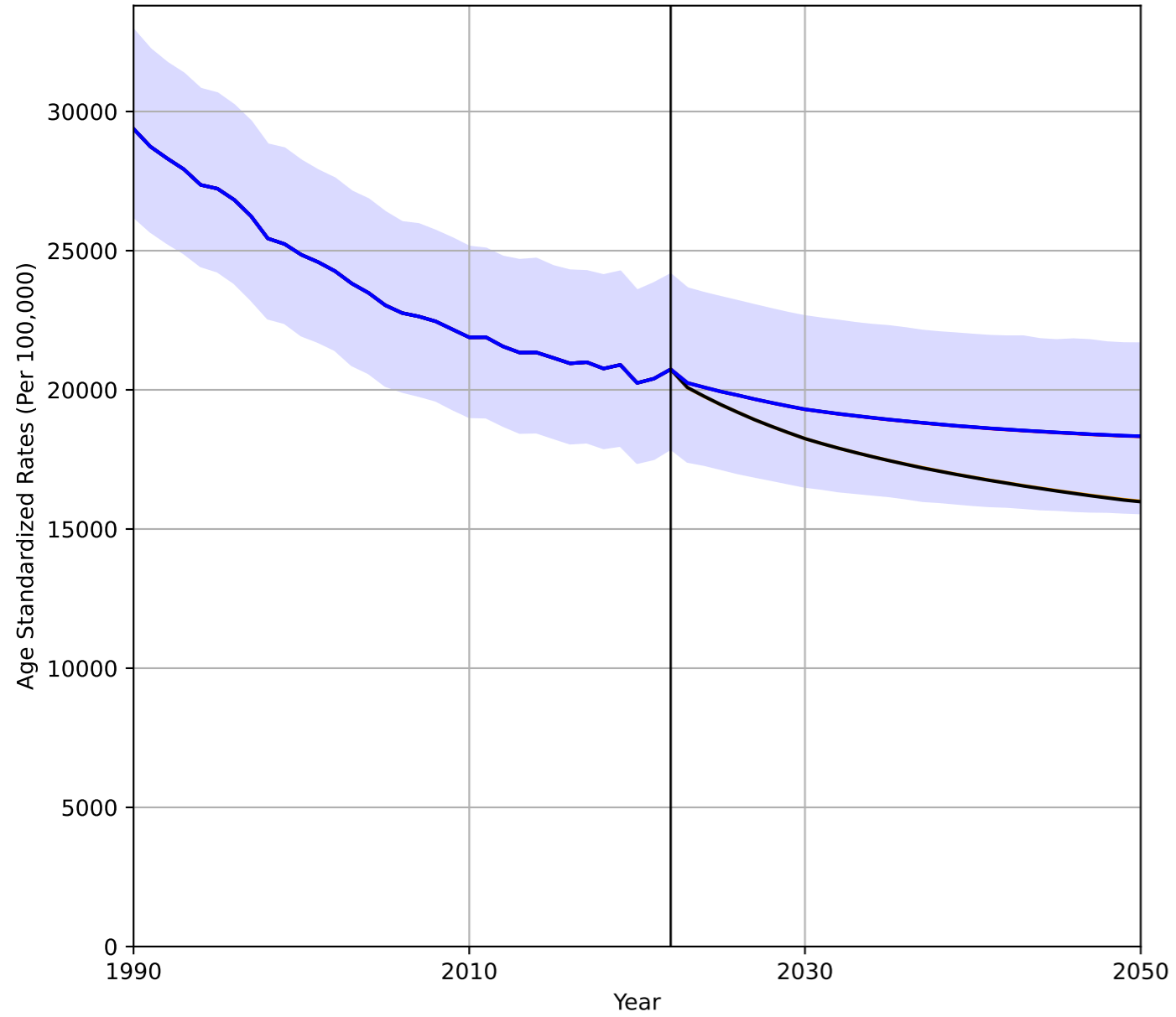
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# New Zealand

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

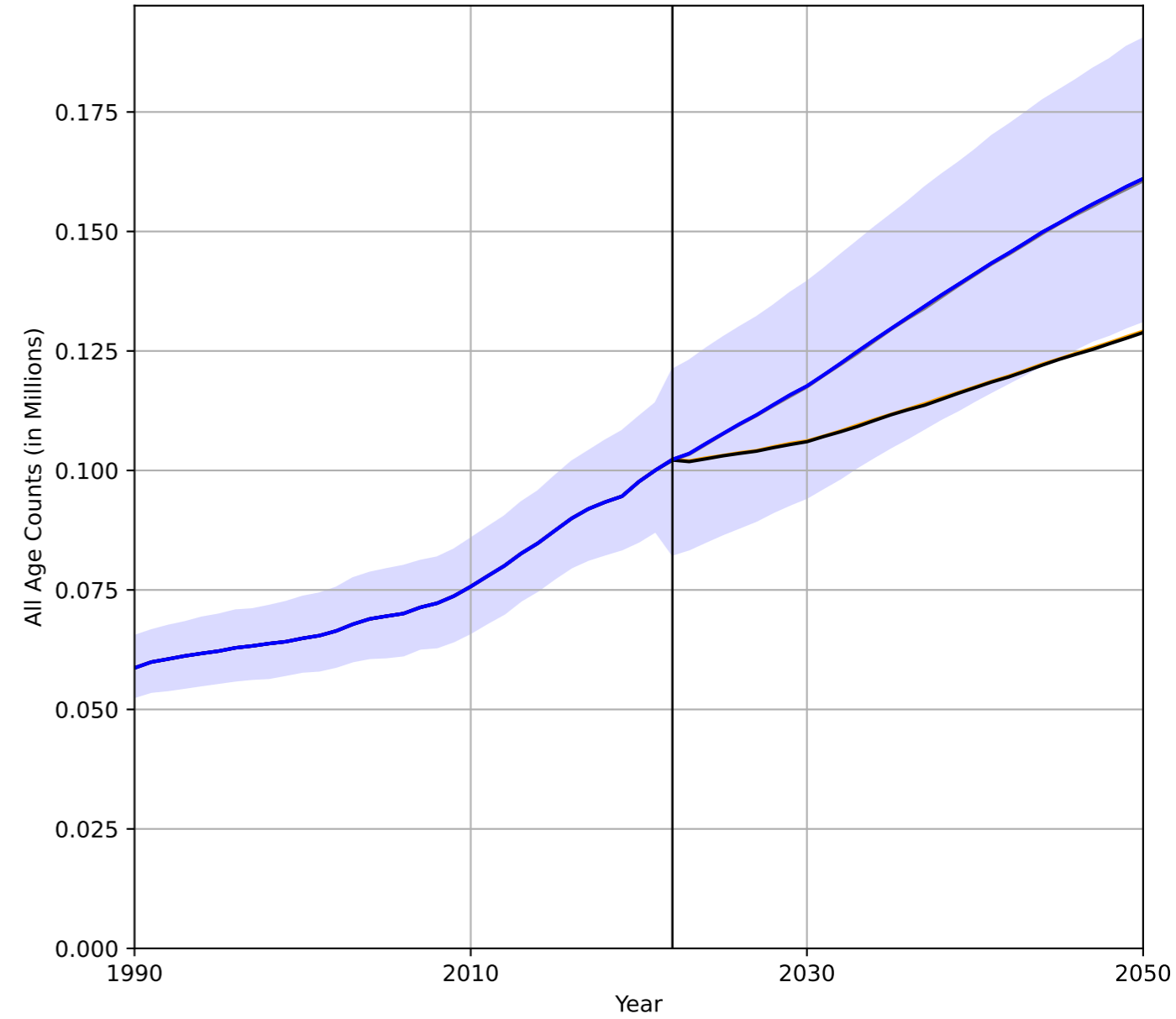
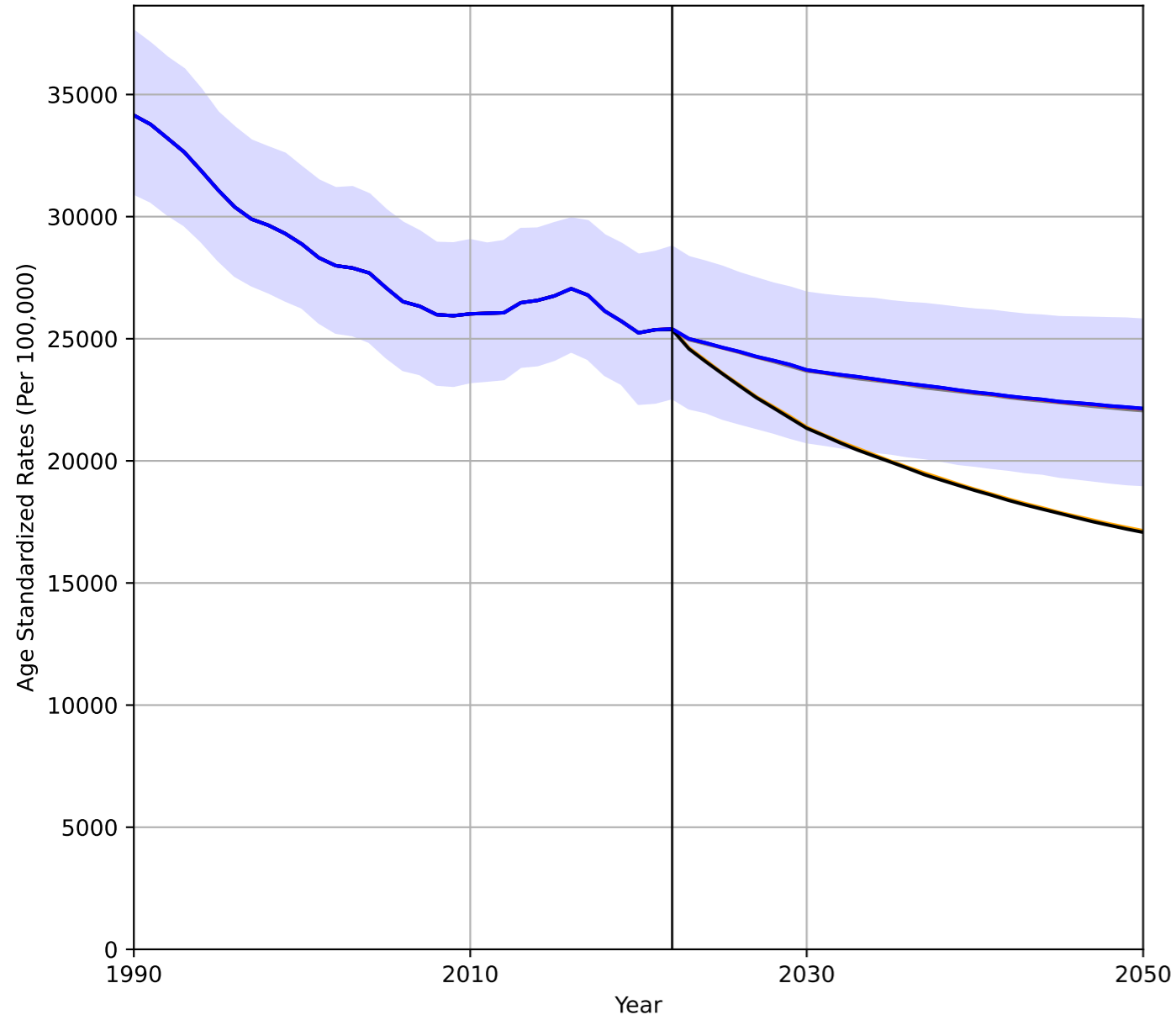
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# Brunei

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

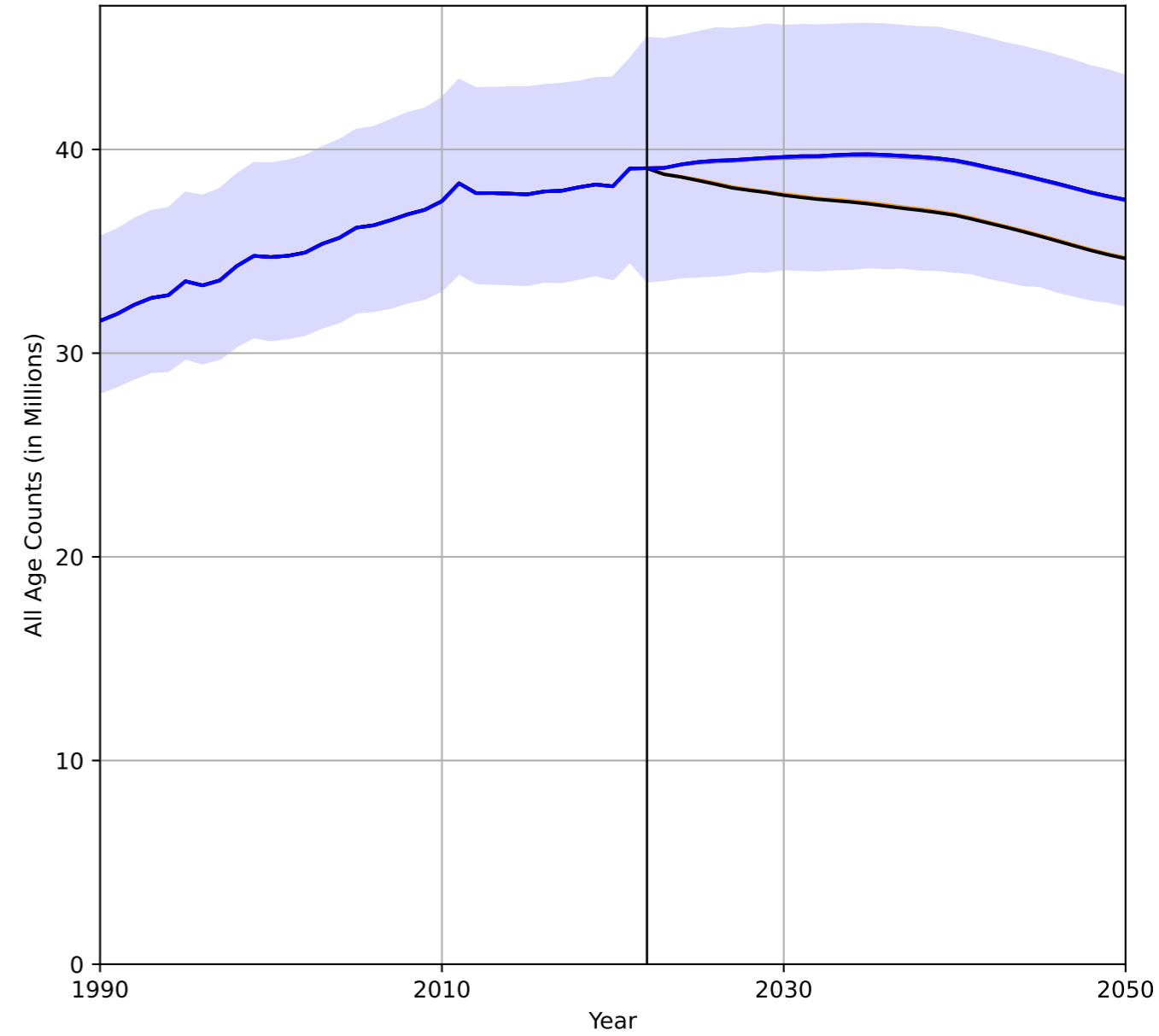
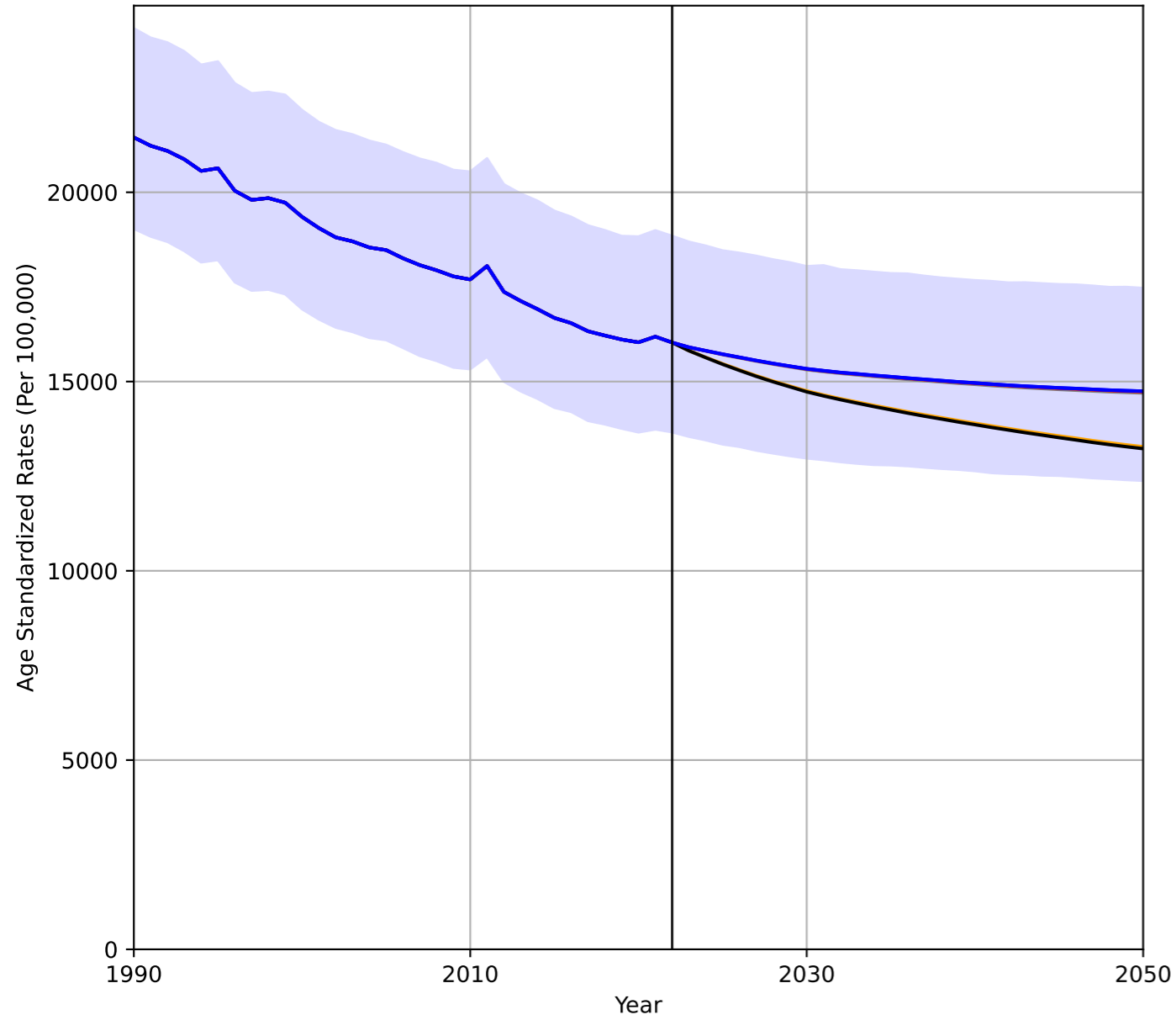
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# Japan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

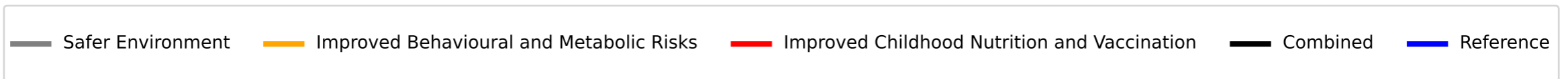
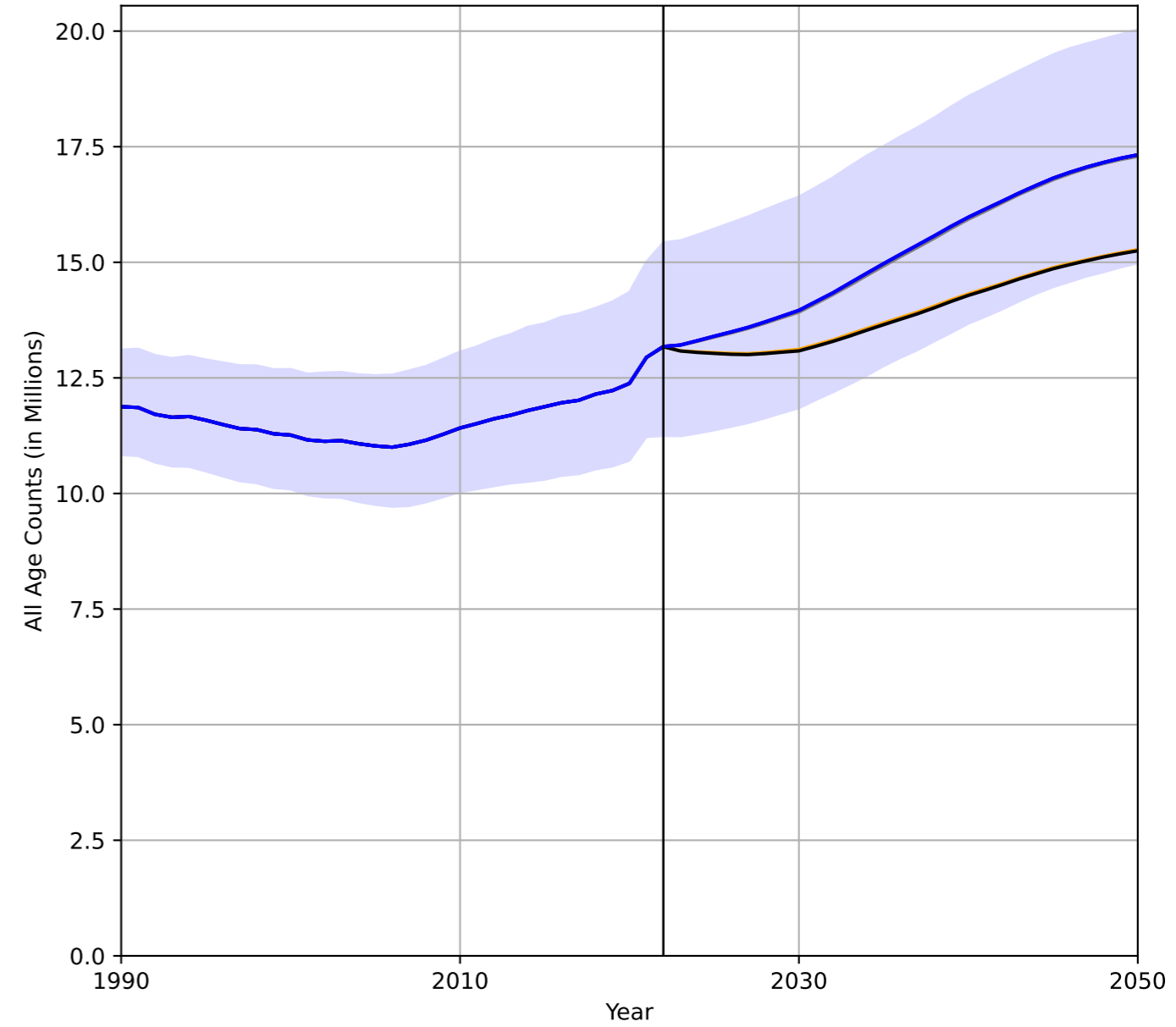
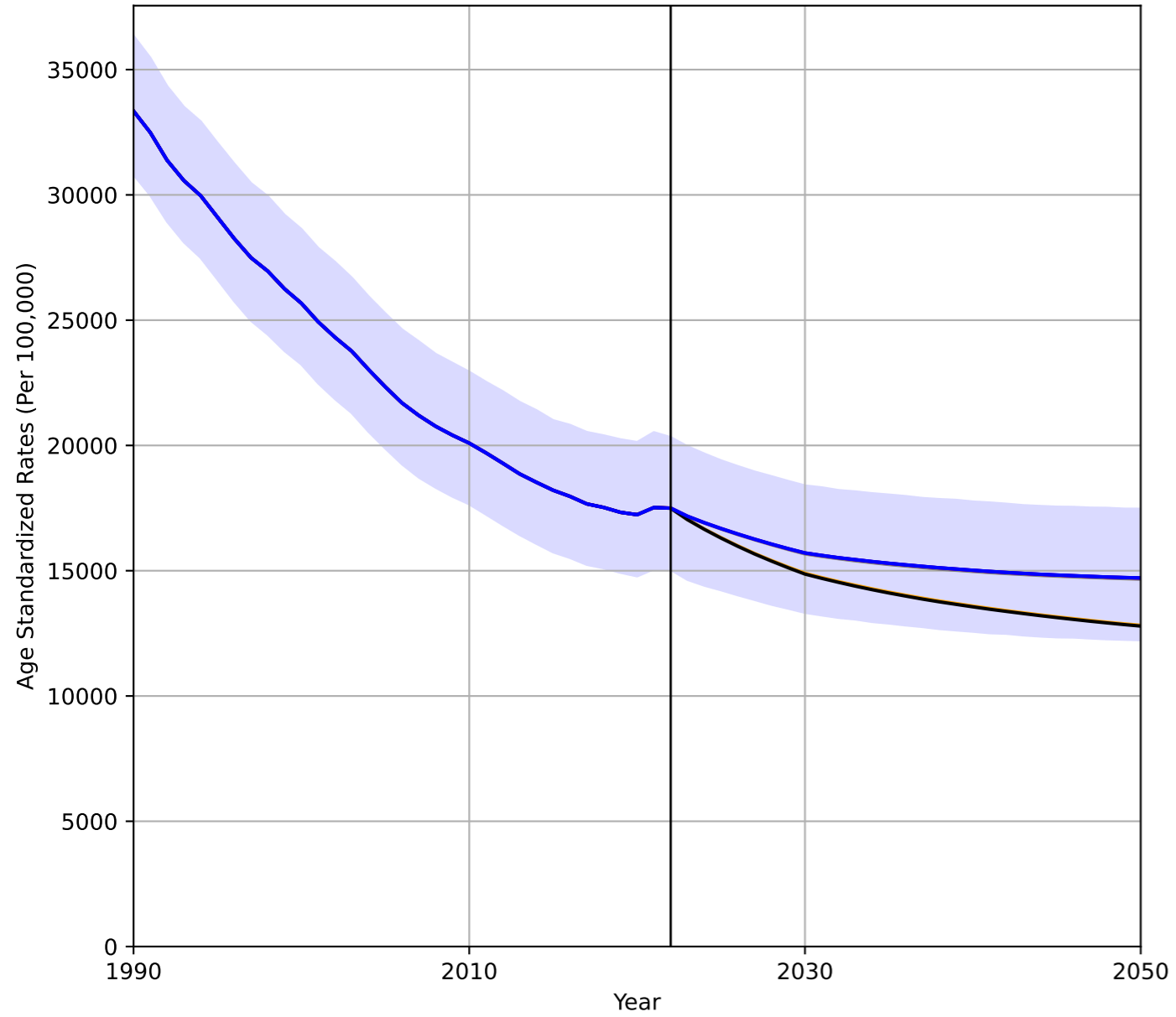
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# South Korea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

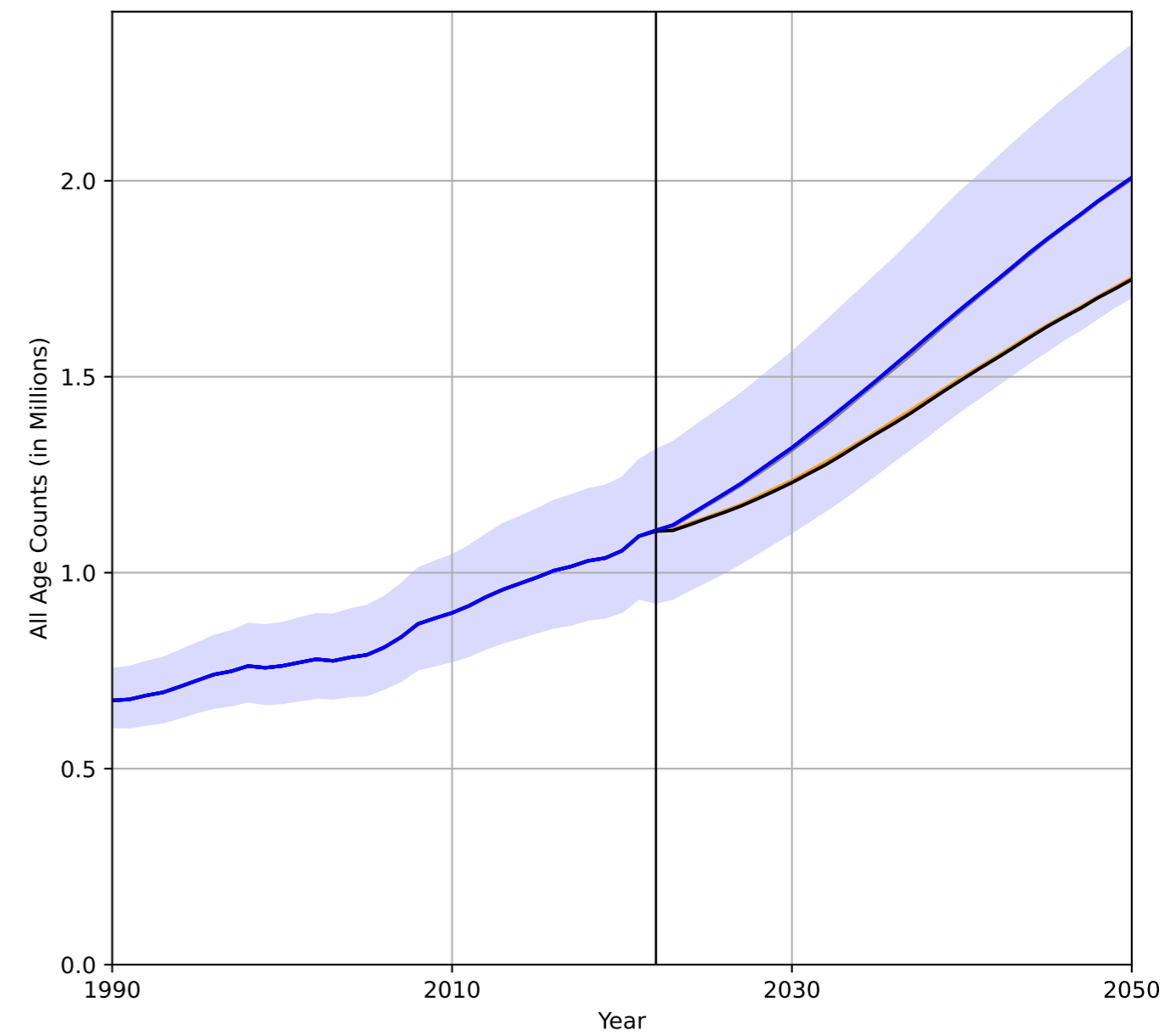
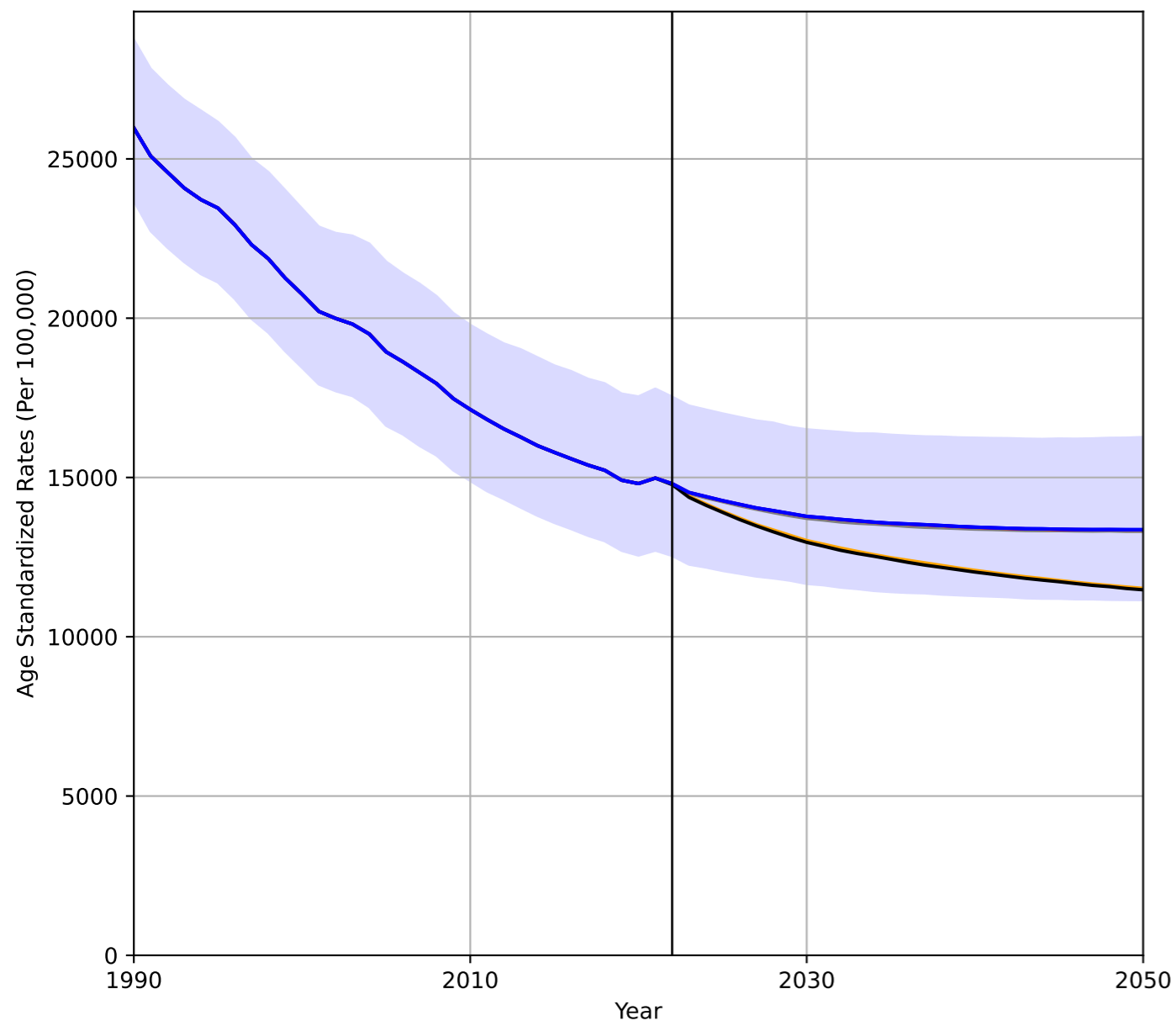
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# Singapore

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

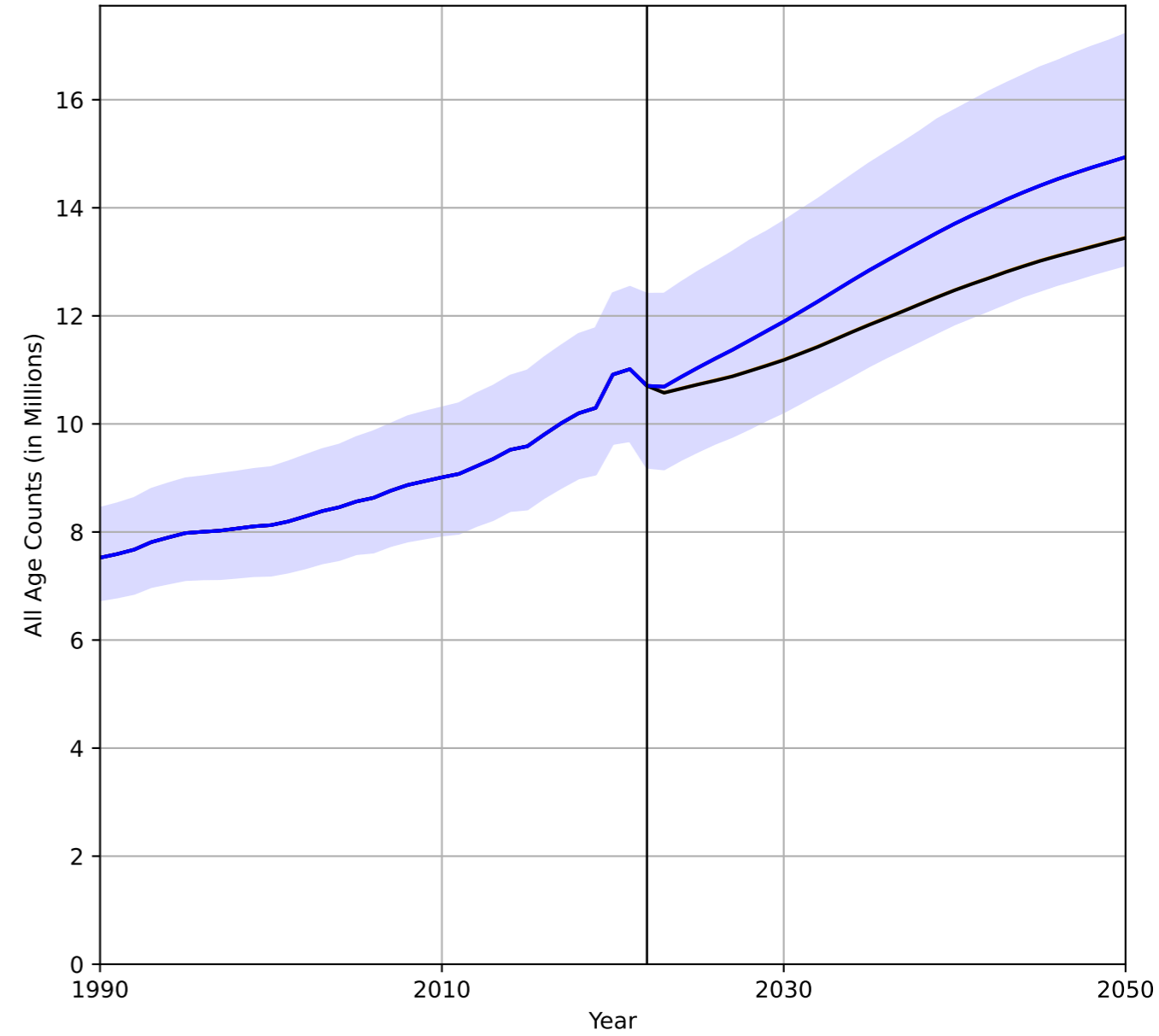
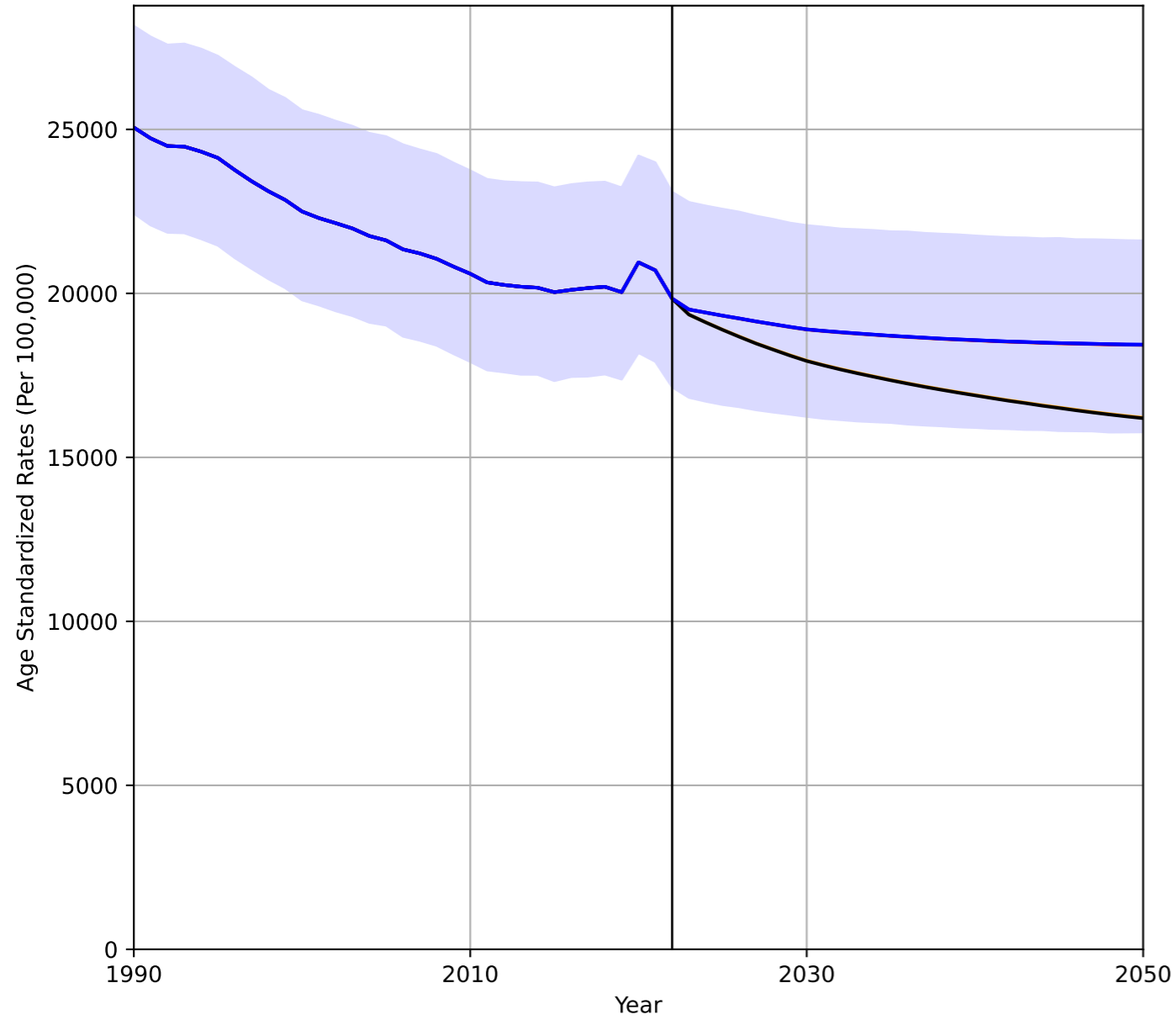
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# Canada

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

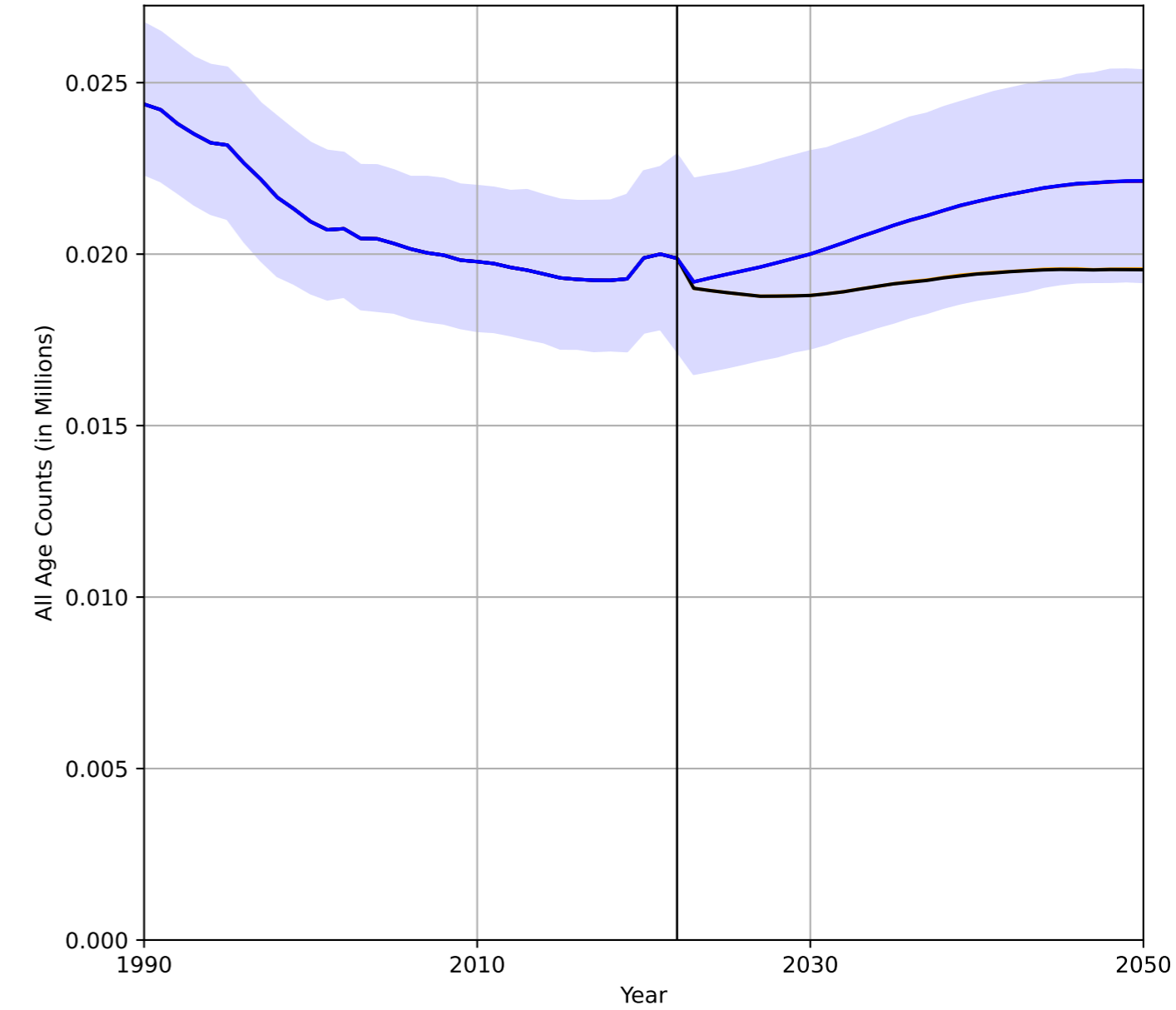
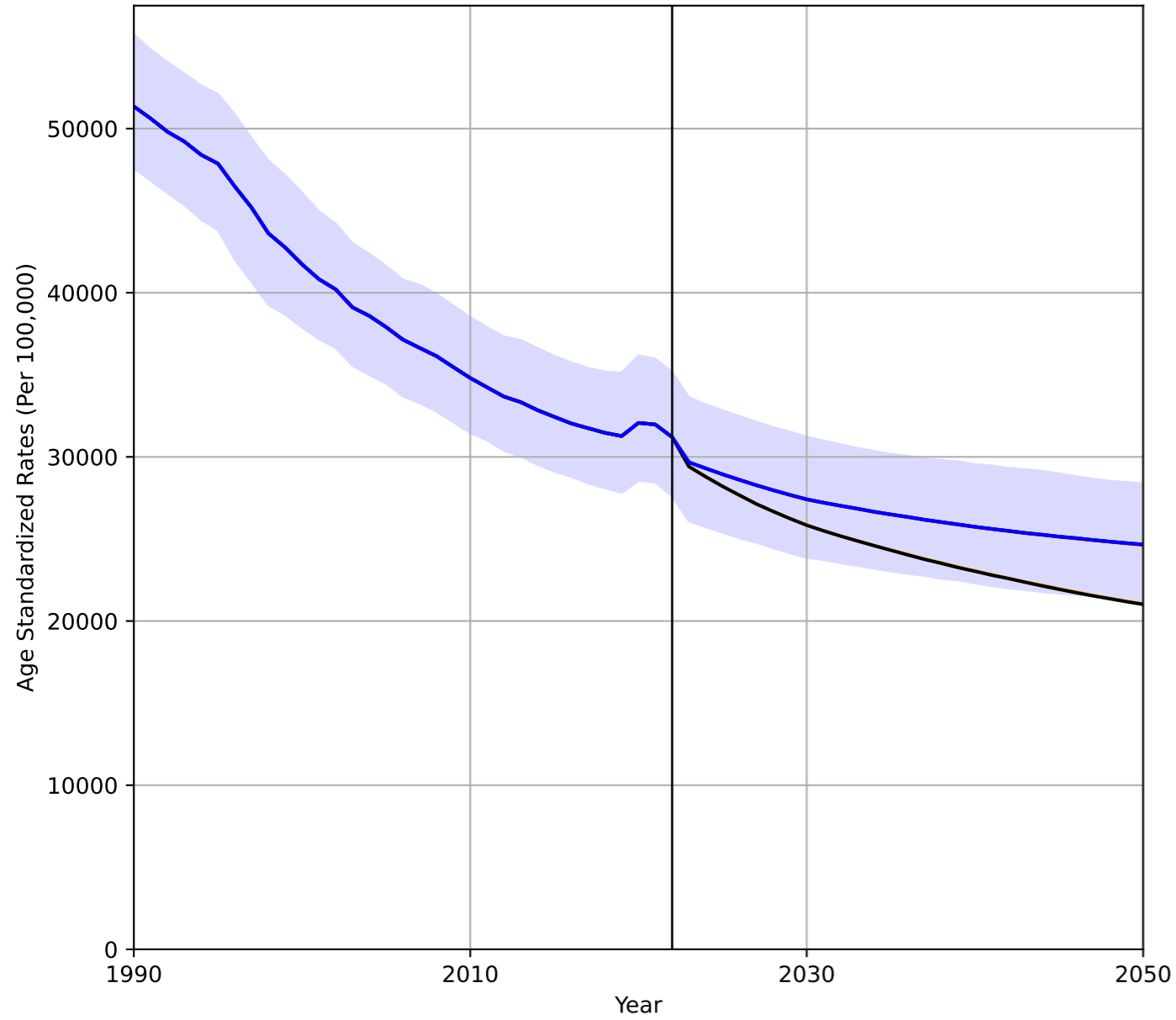
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# Greenland

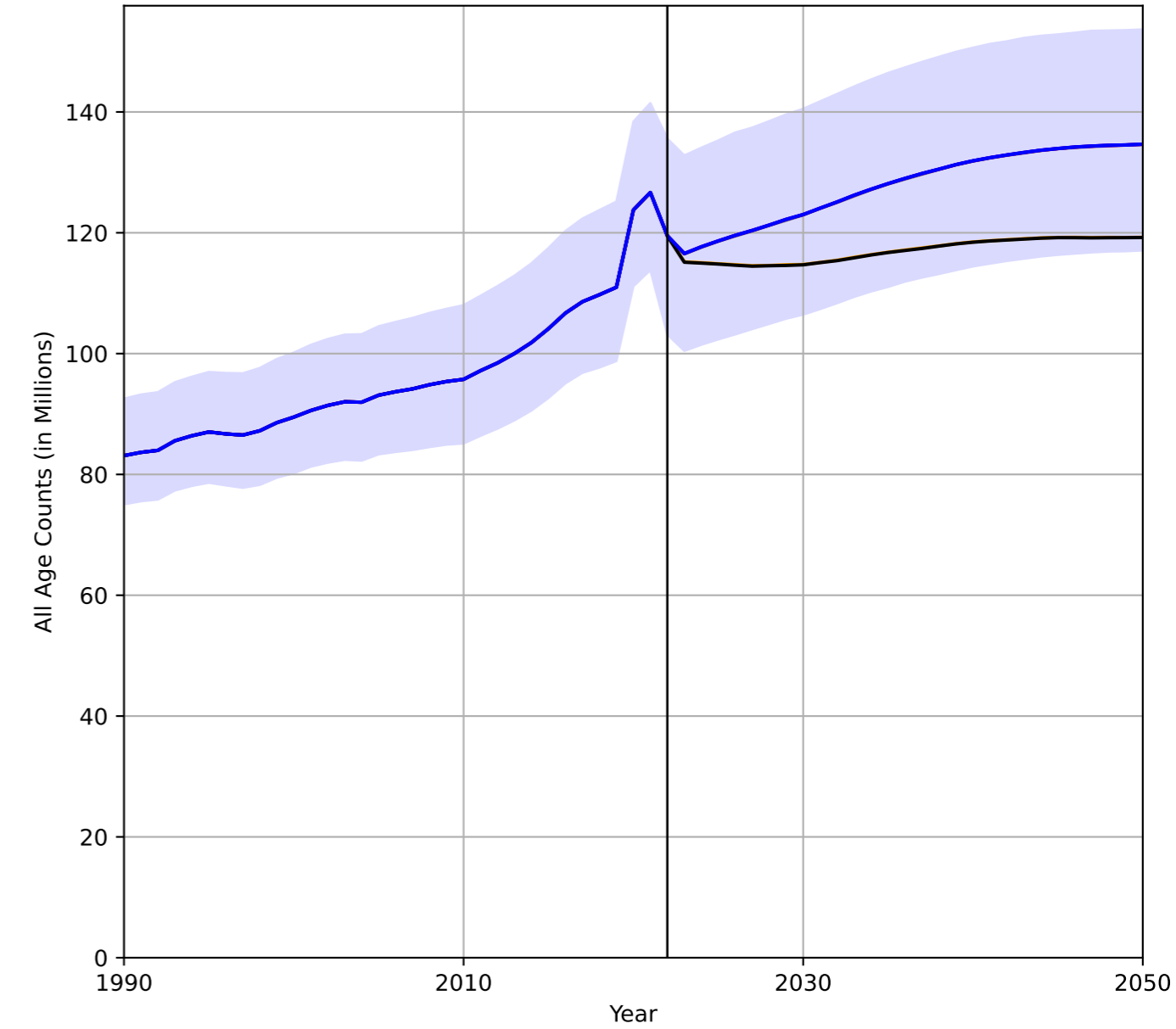
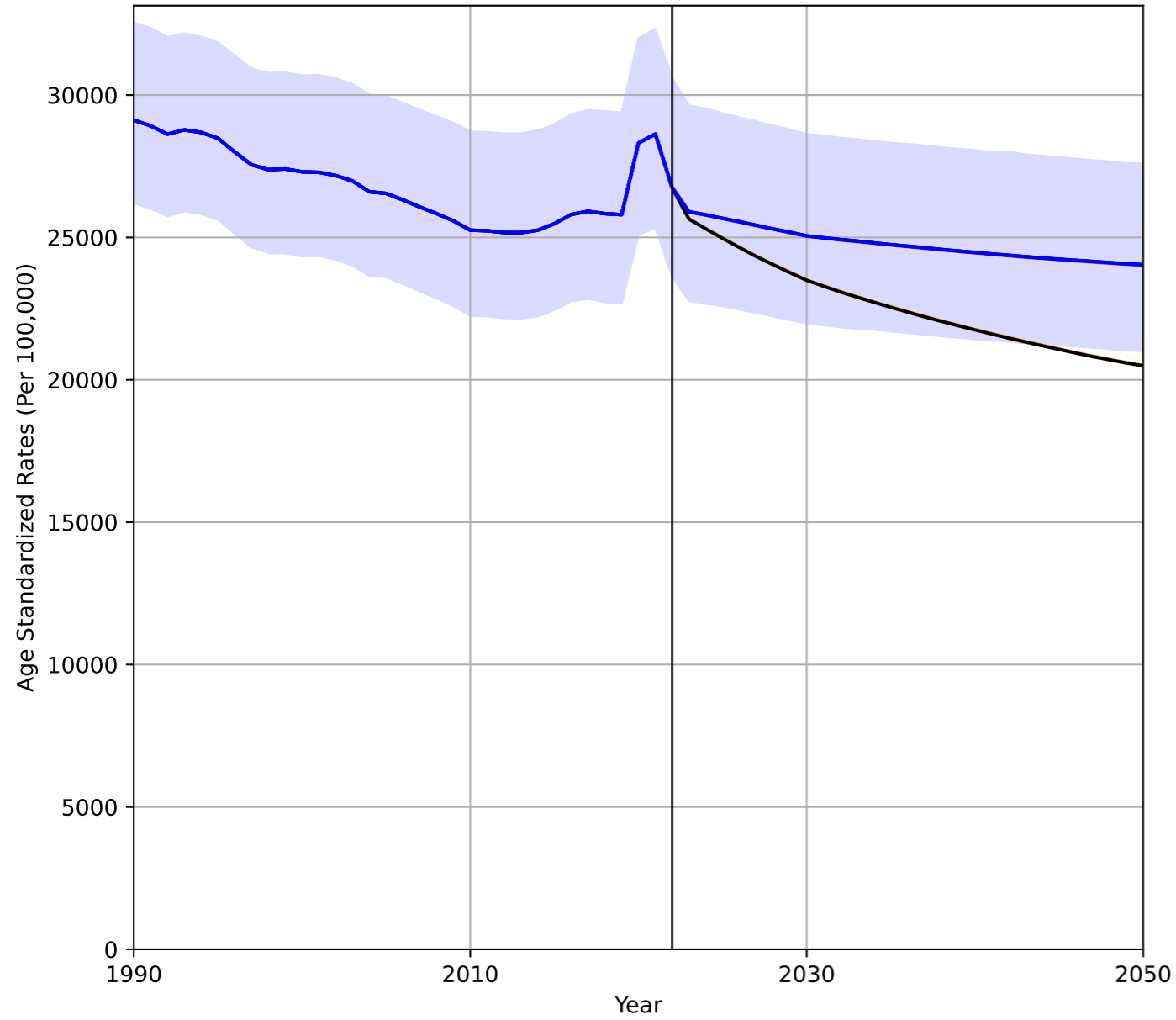
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1447





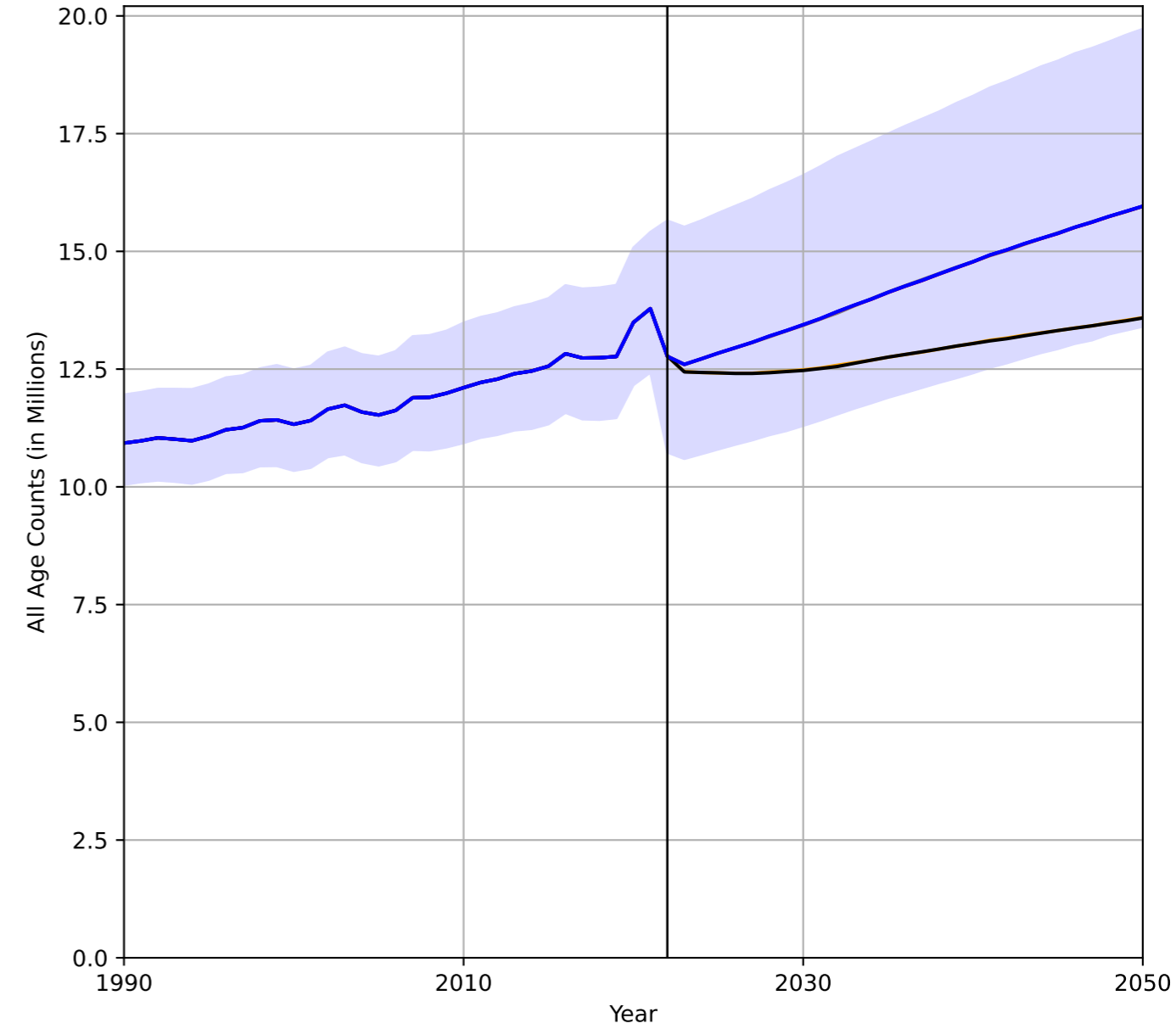
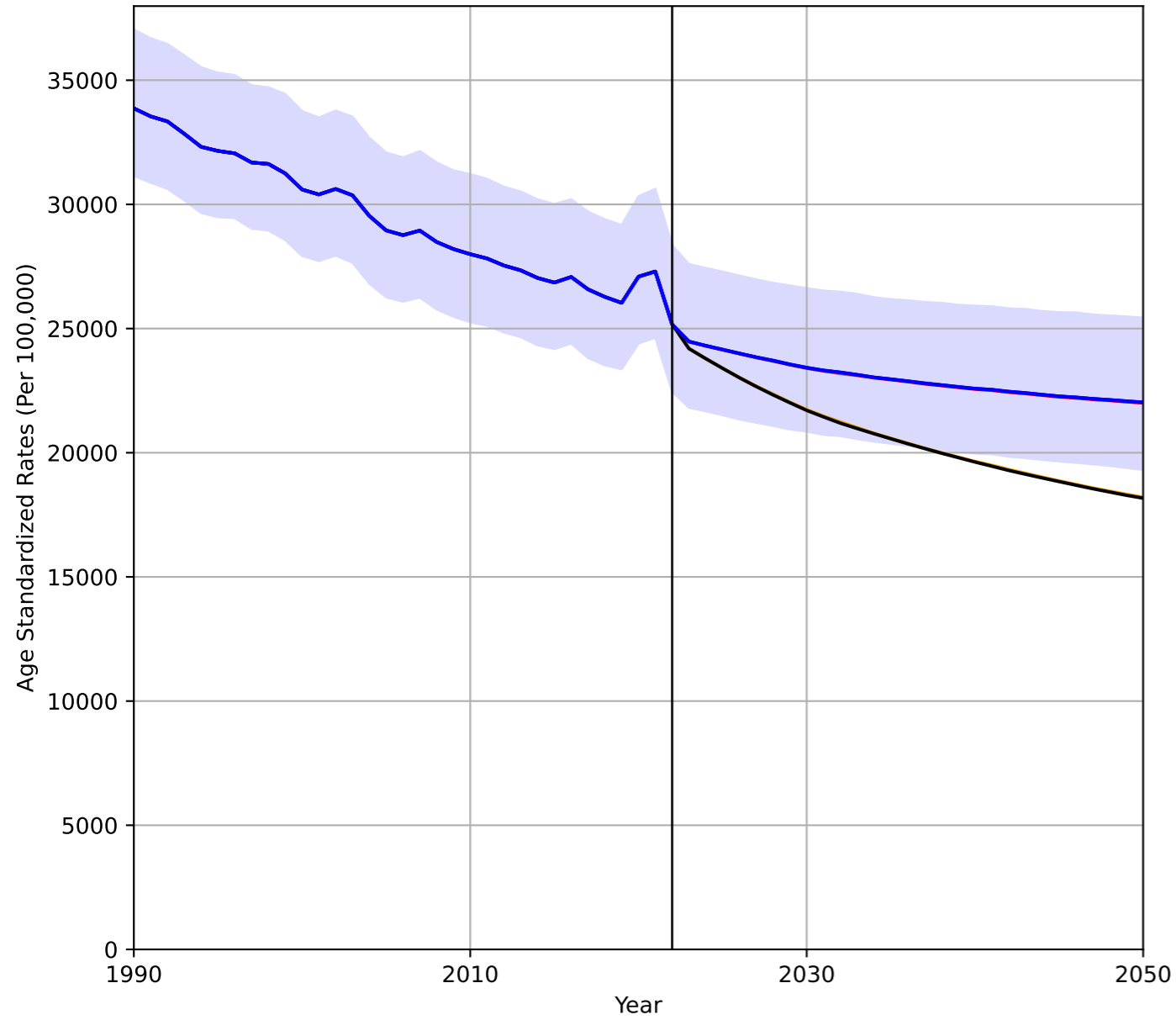
# USA



# Argentina

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

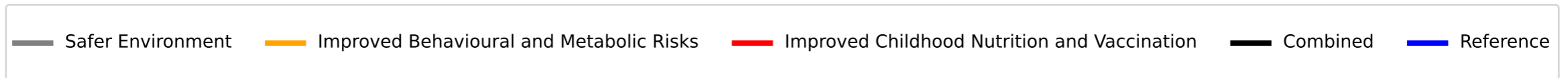
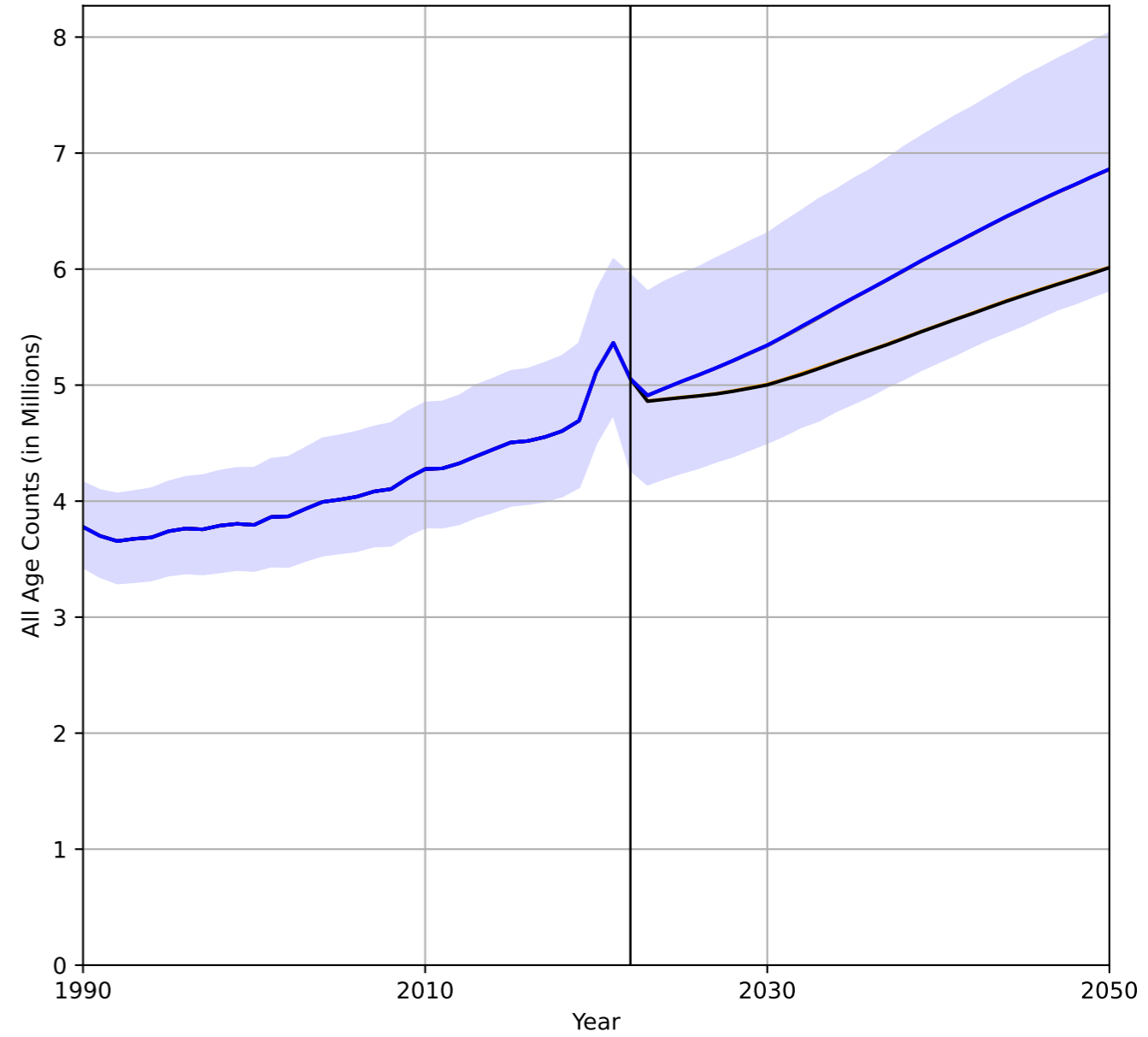
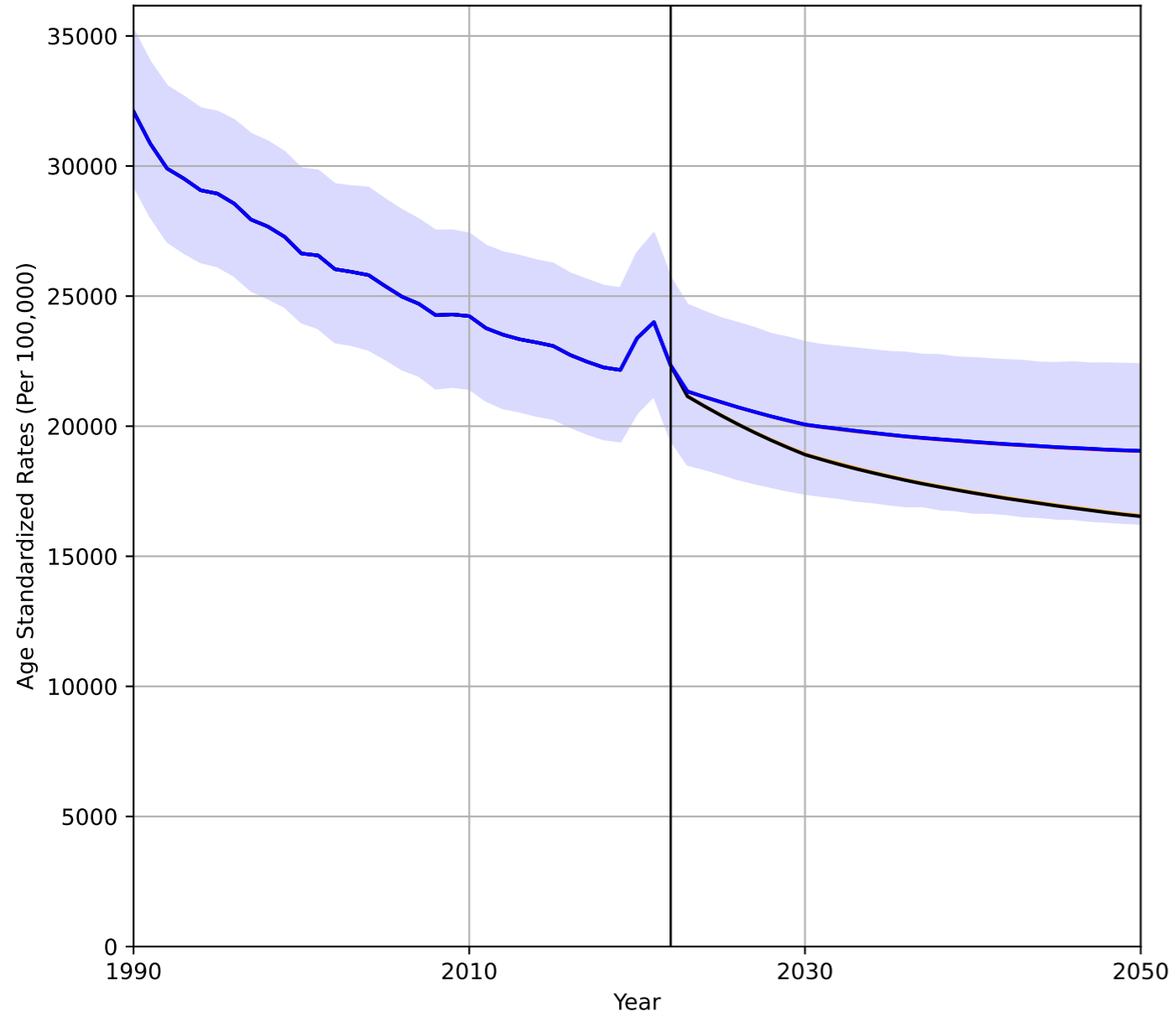
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# Chile

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

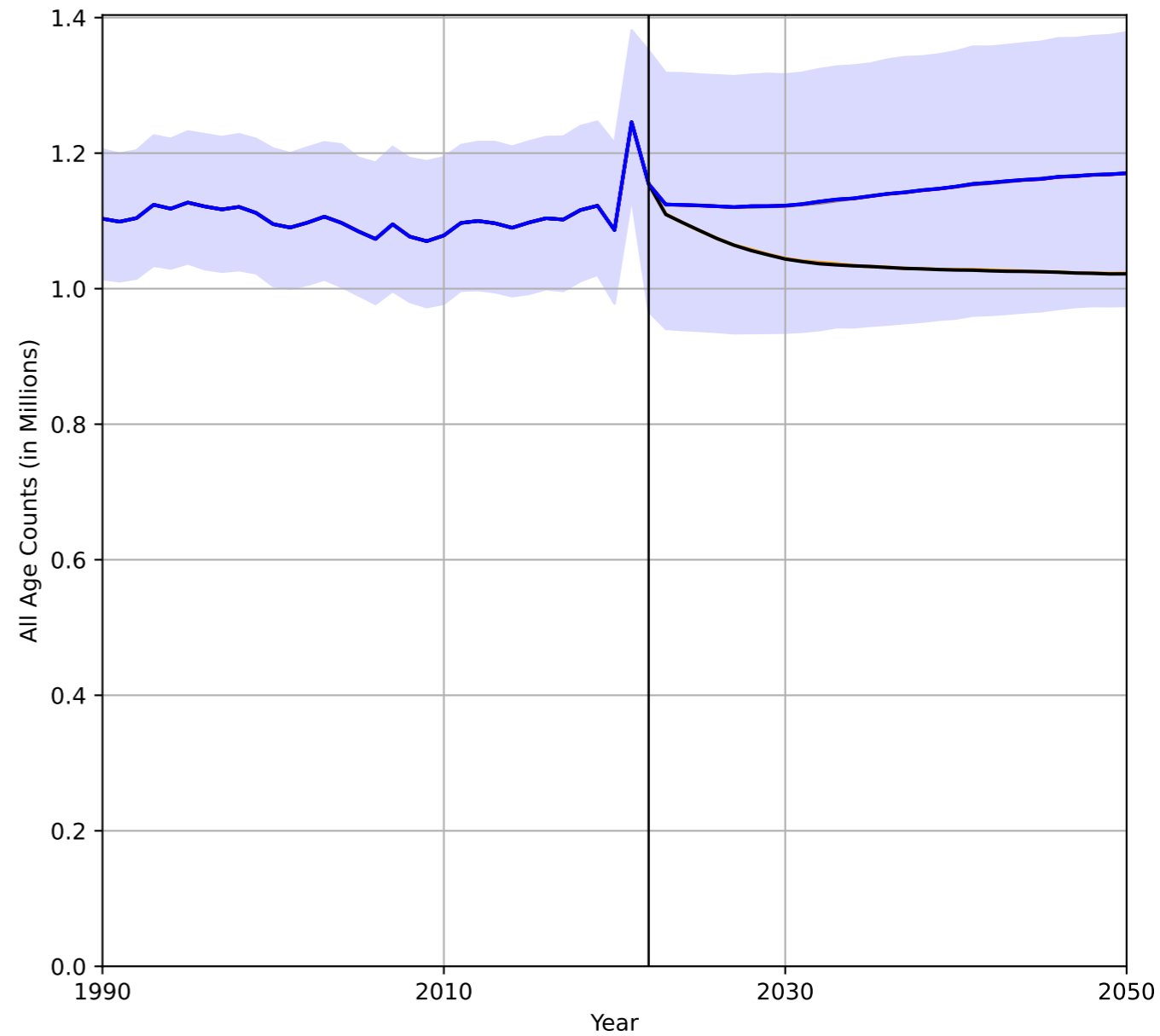
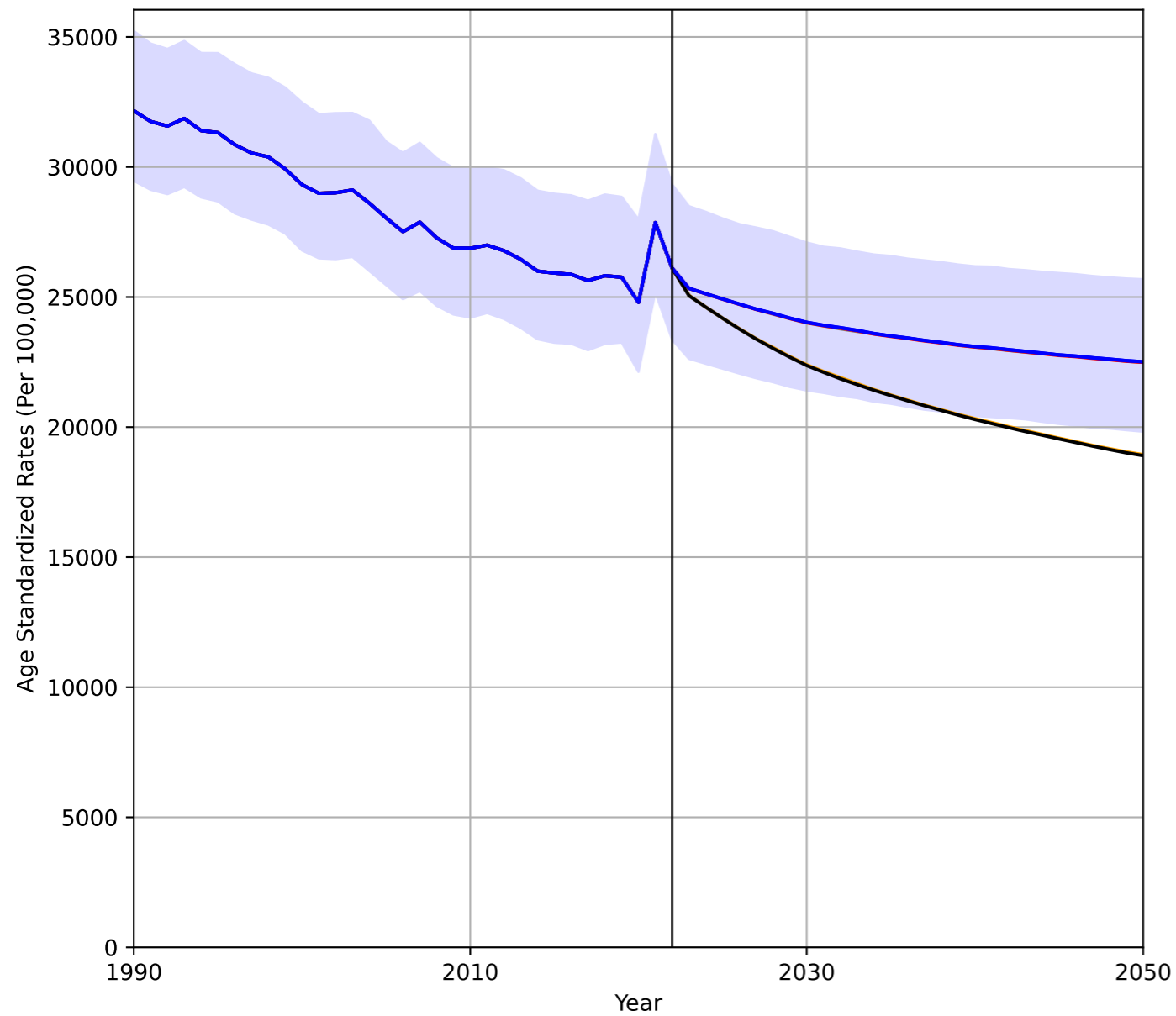
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# Uruguay

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

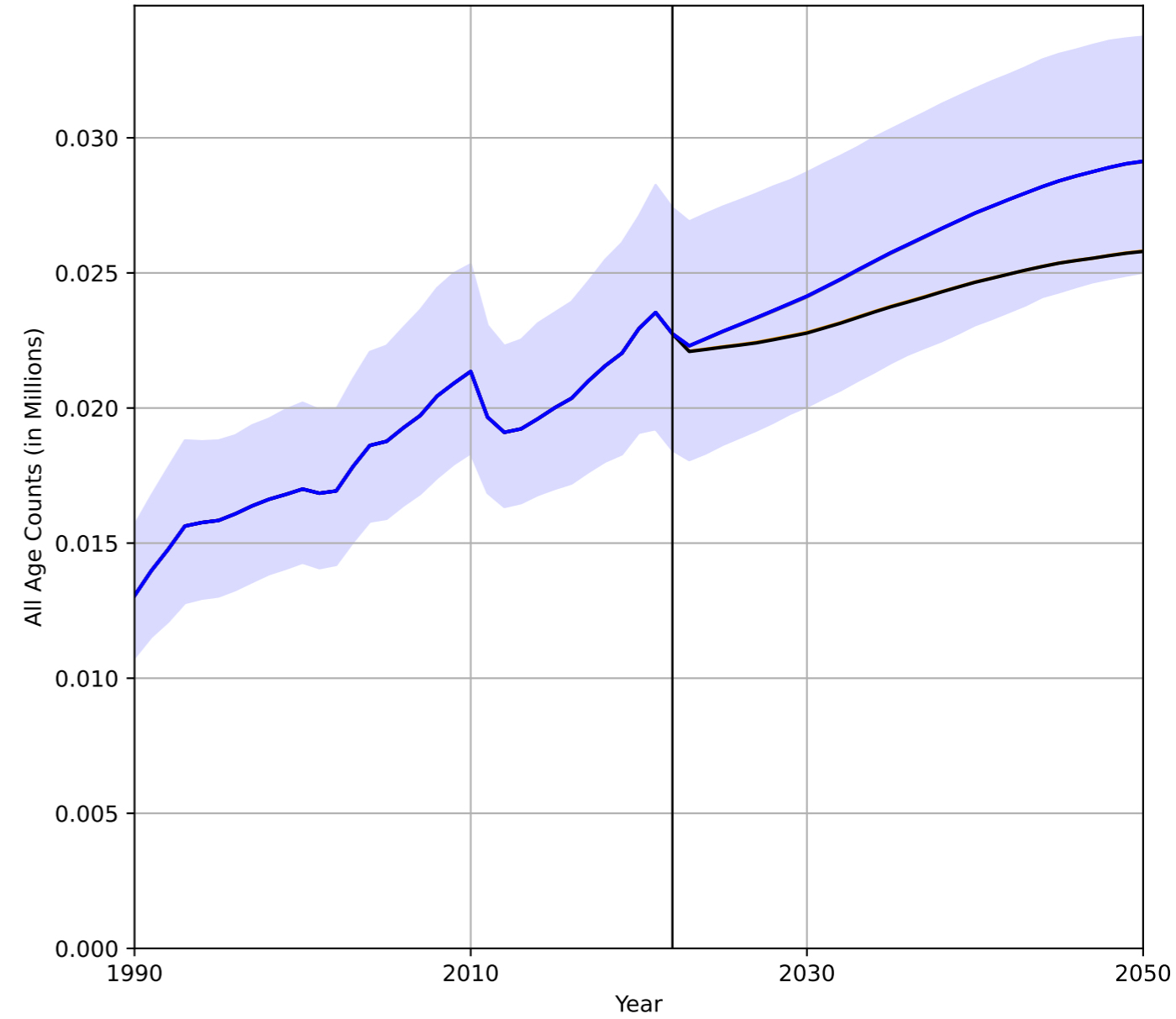
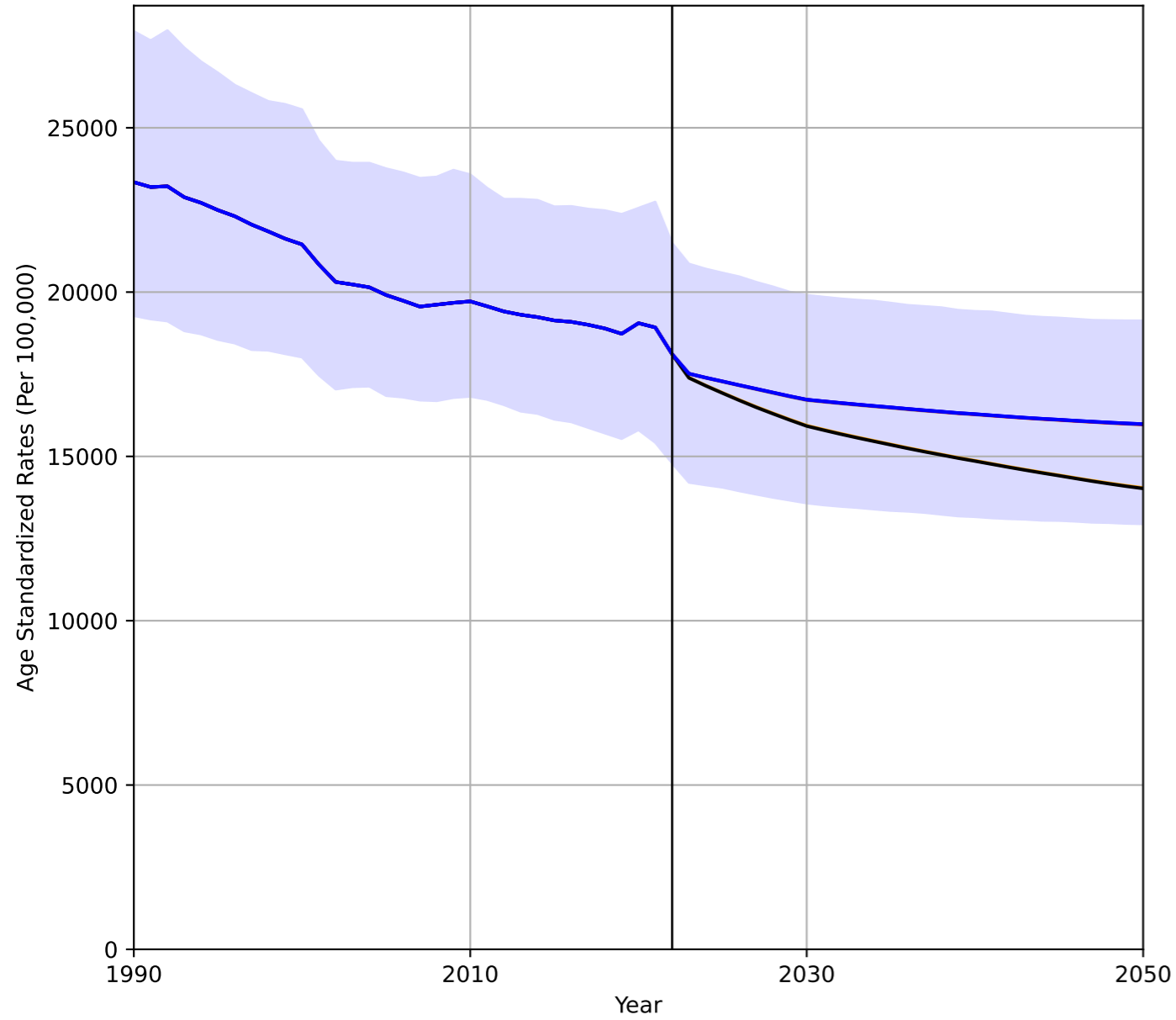
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# Andorra

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

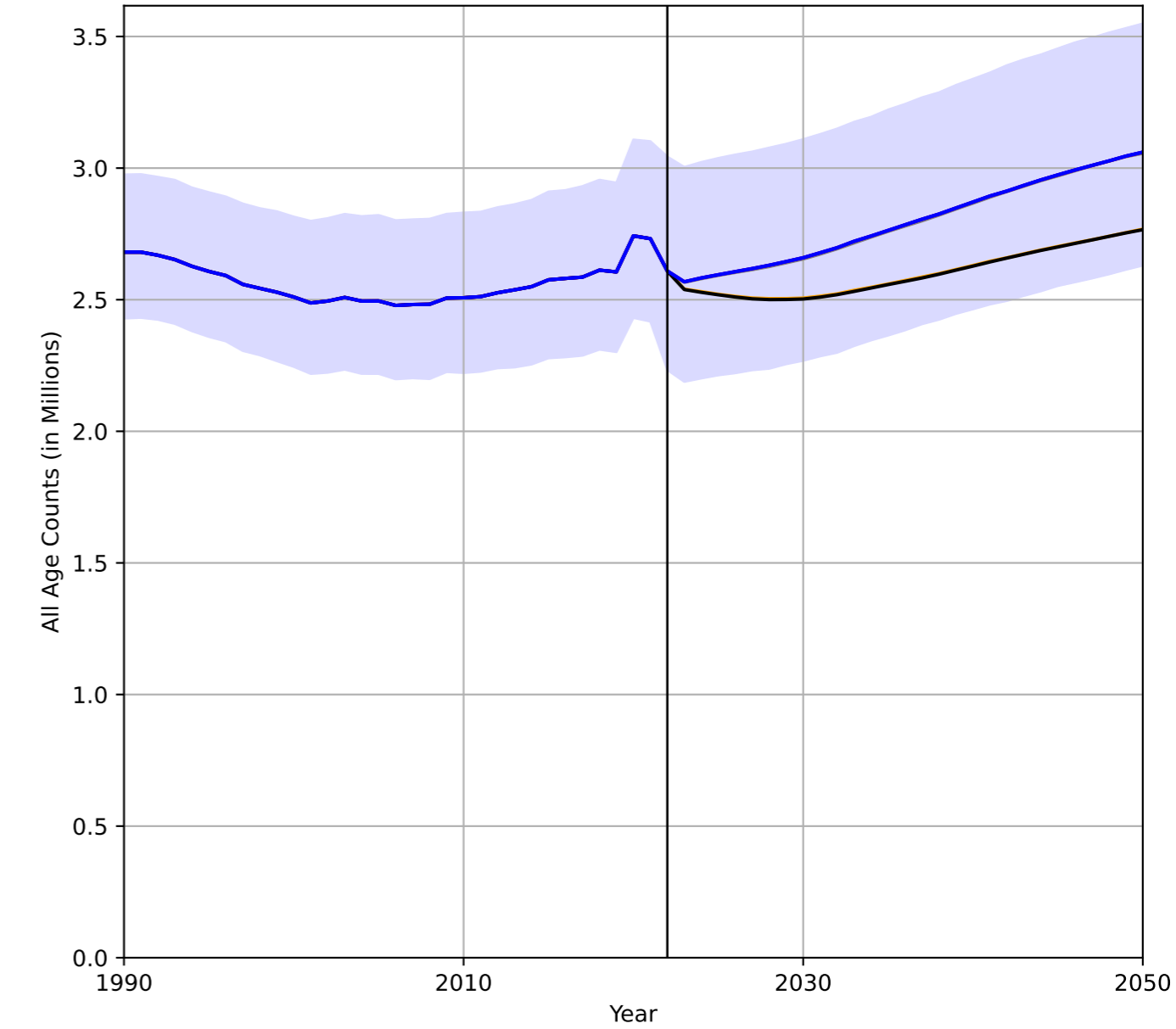
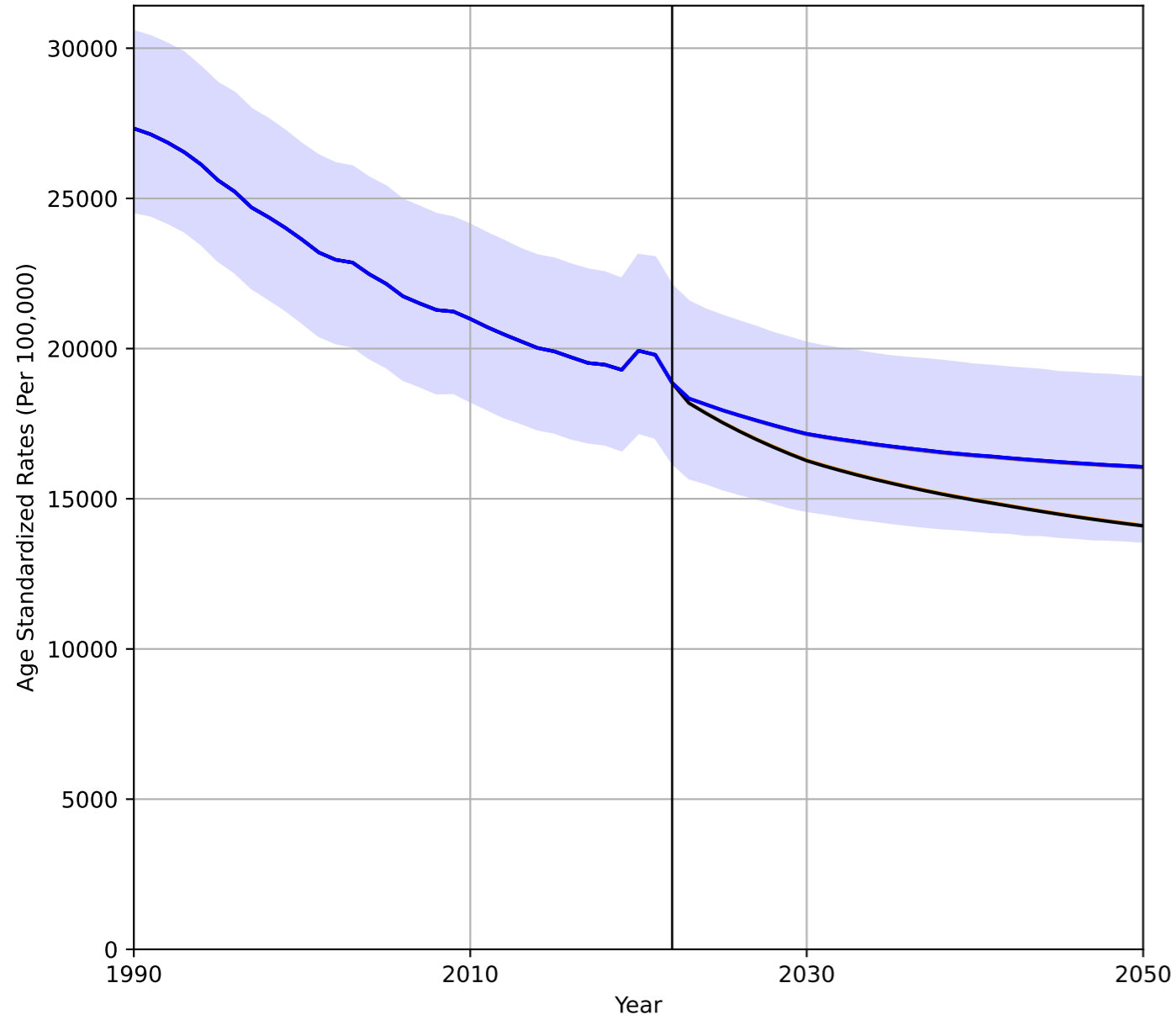
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# Austria

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

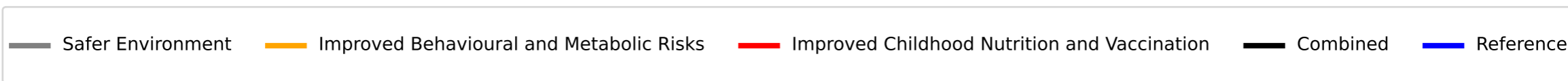
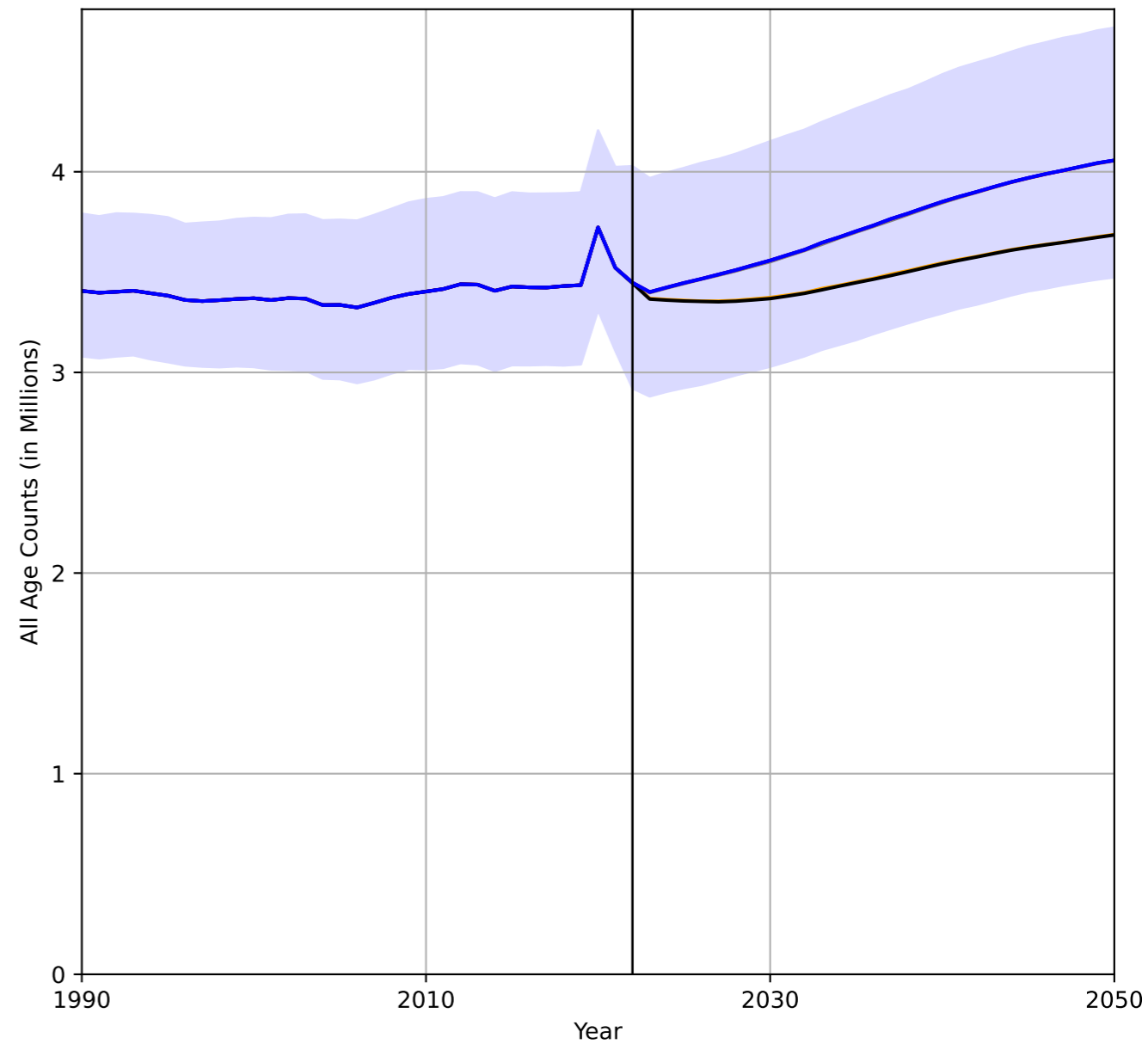
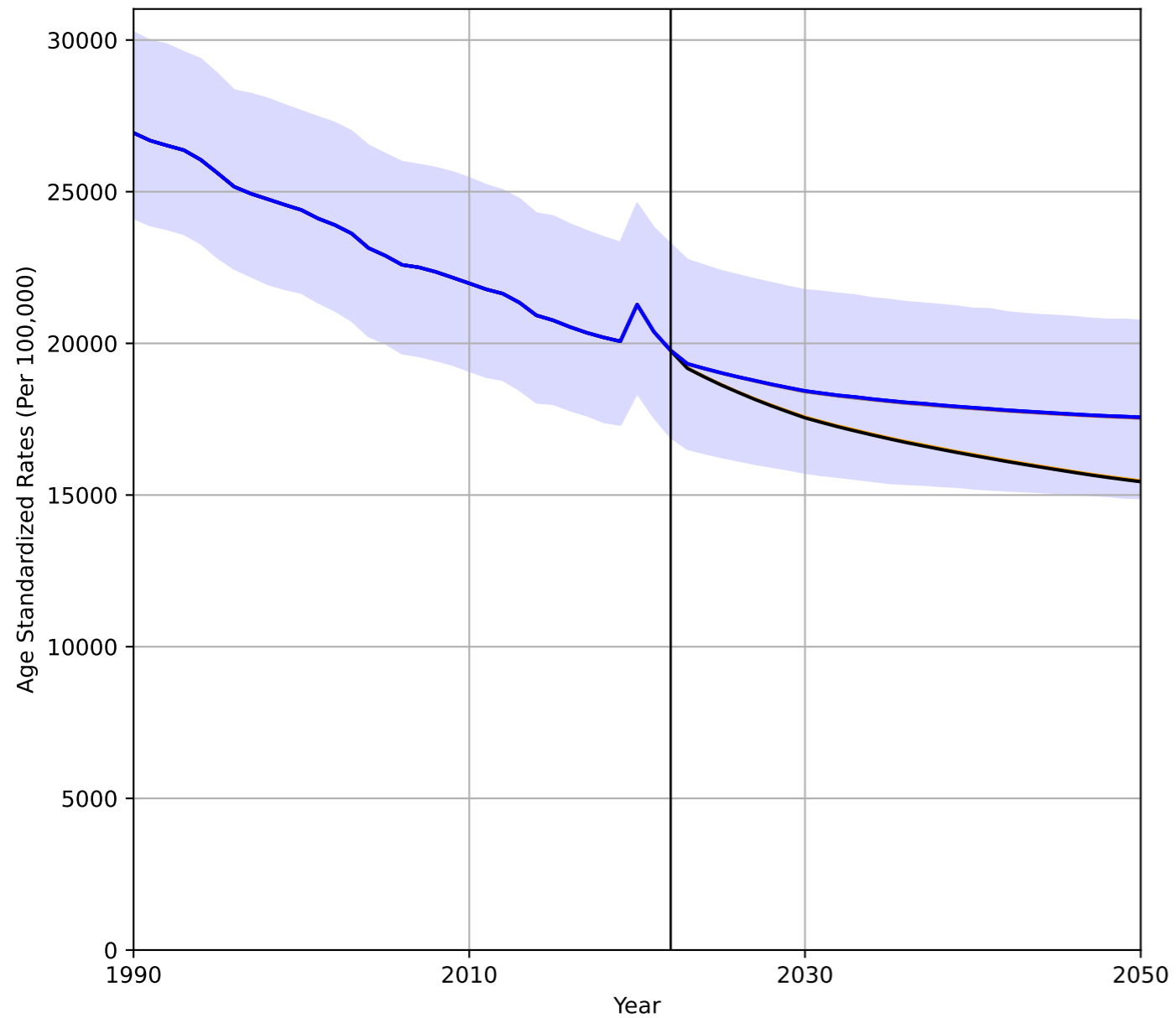
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# Belgium

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

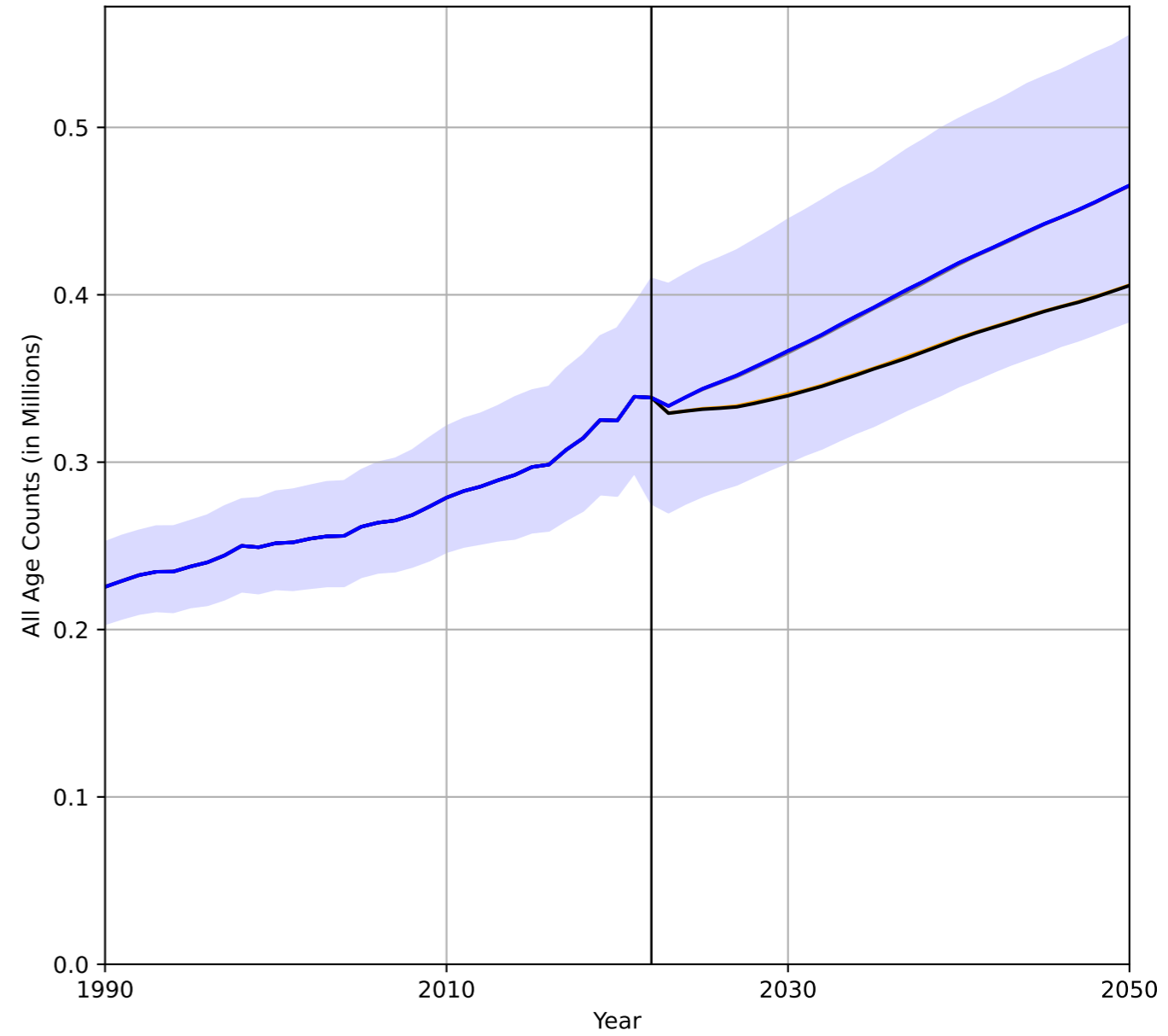
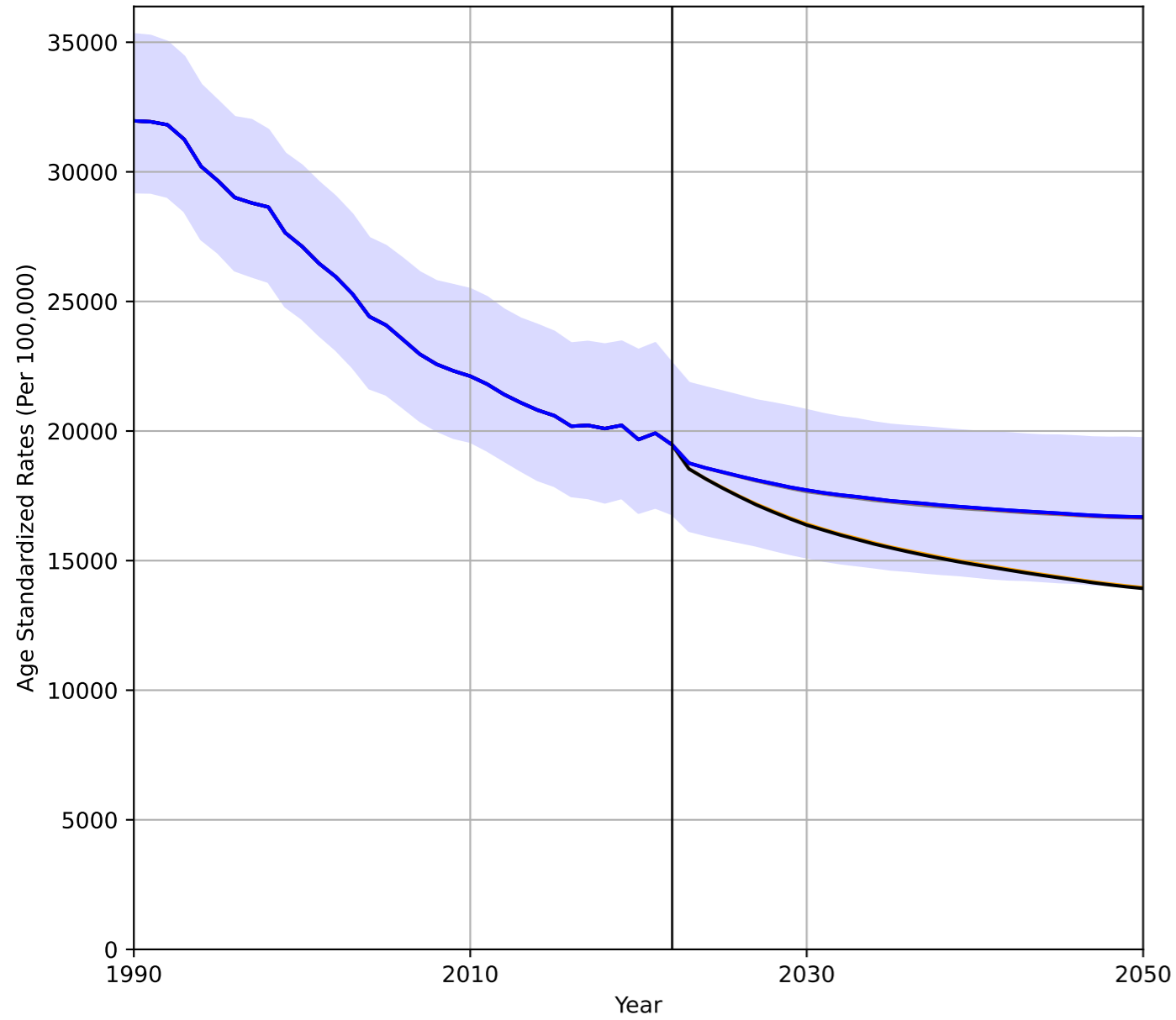
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# Cyprus

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1455

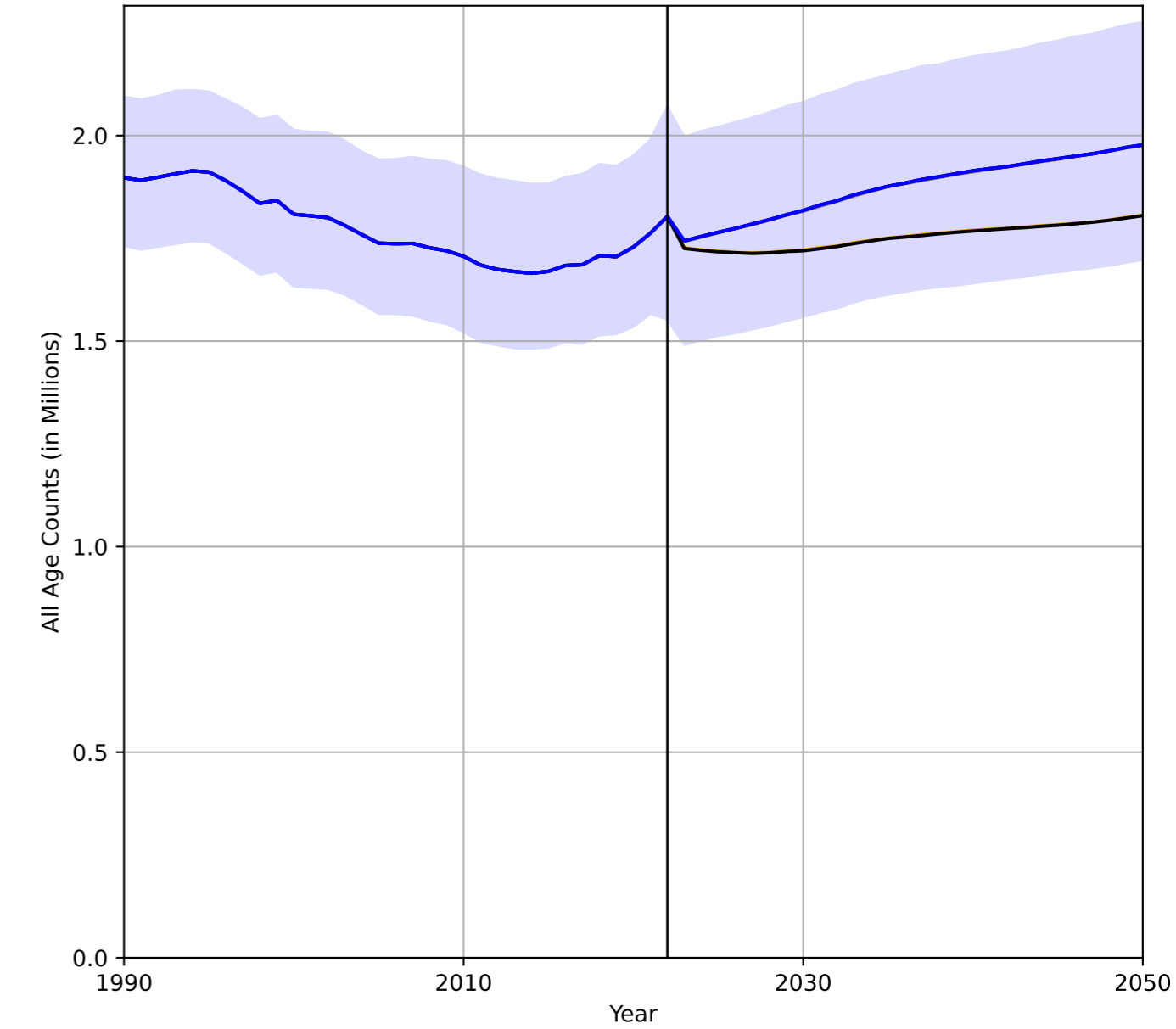
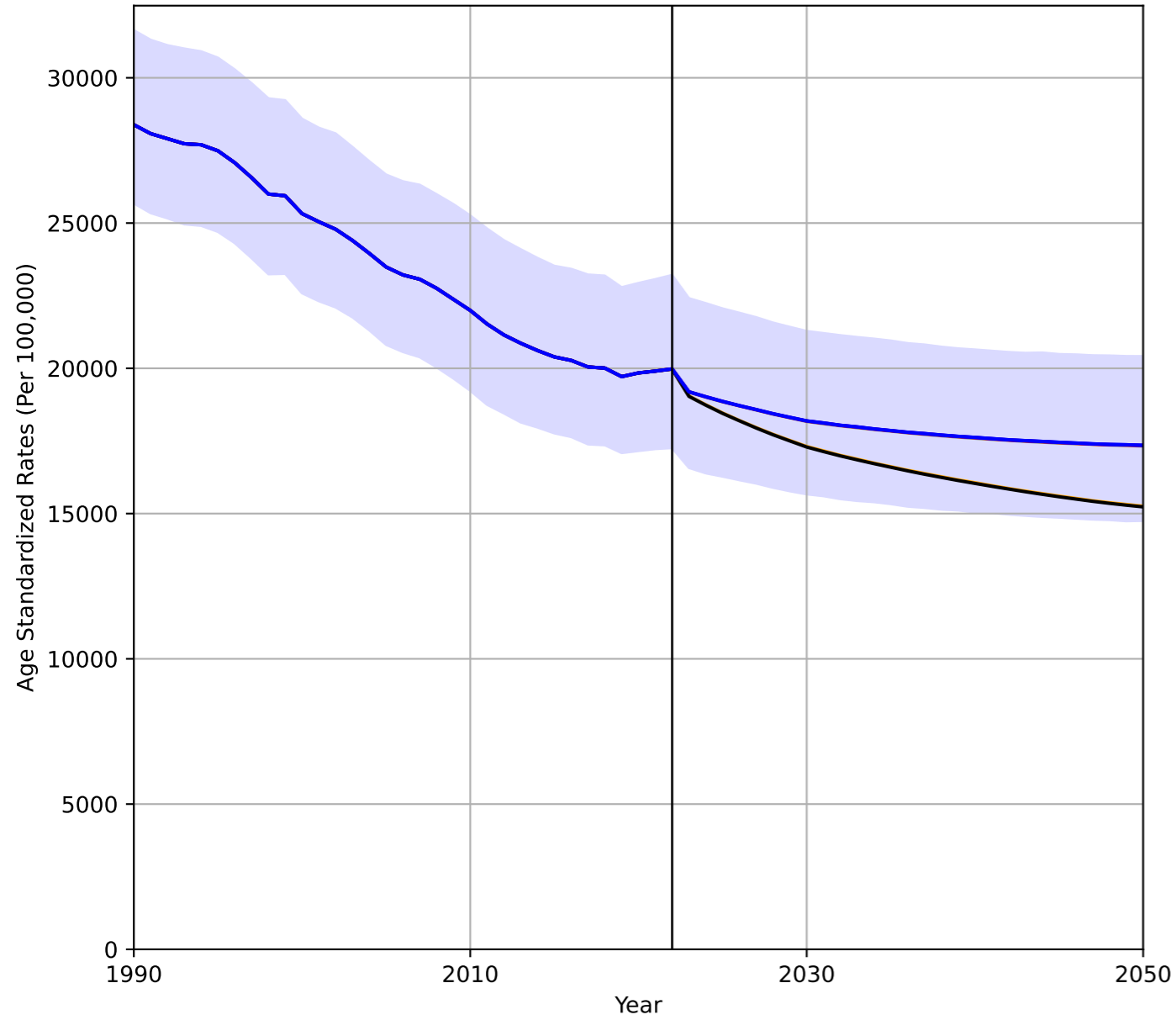




# Denmark

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

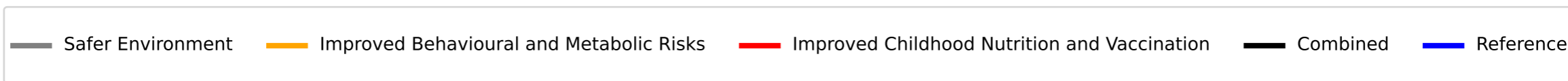
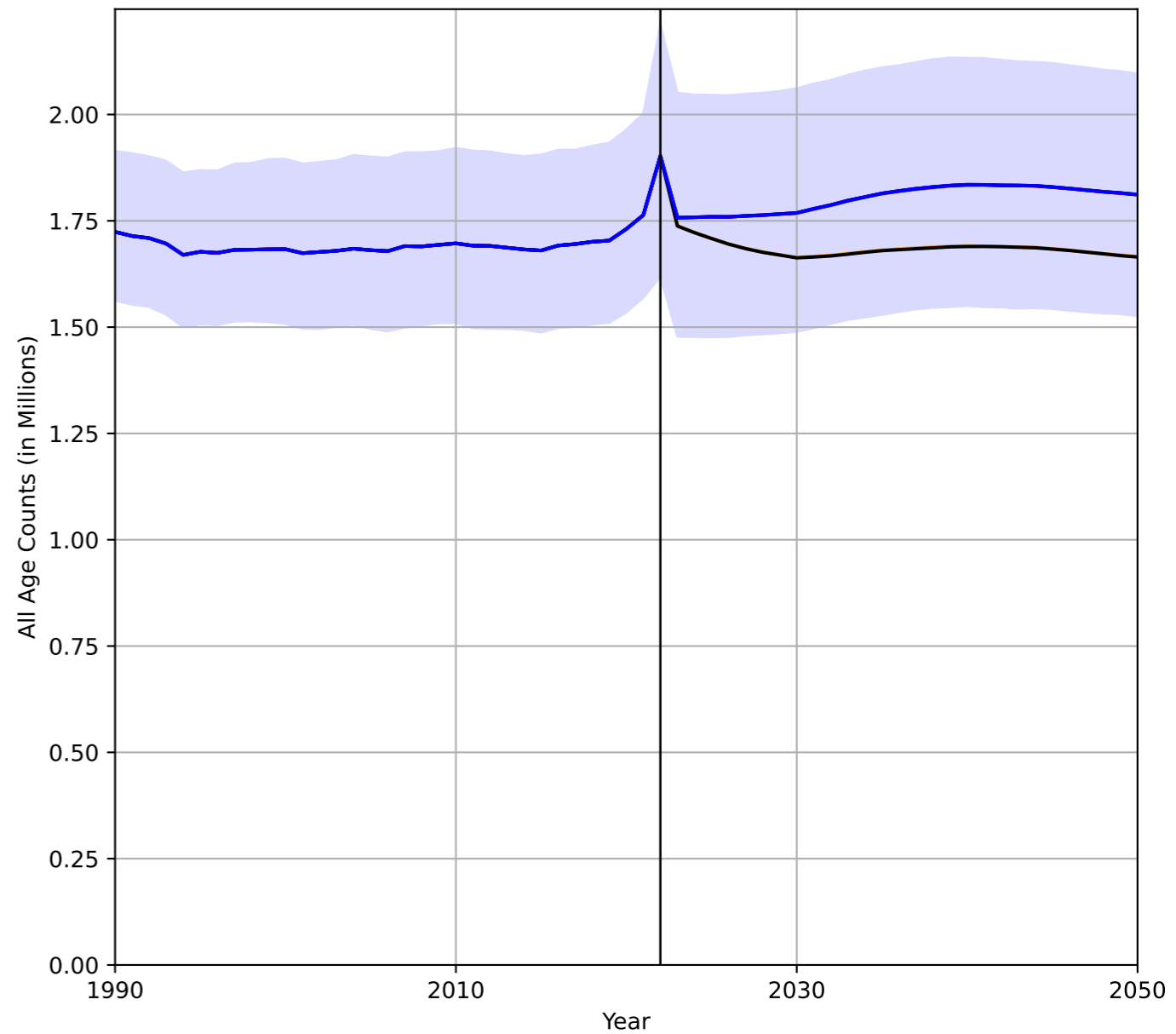
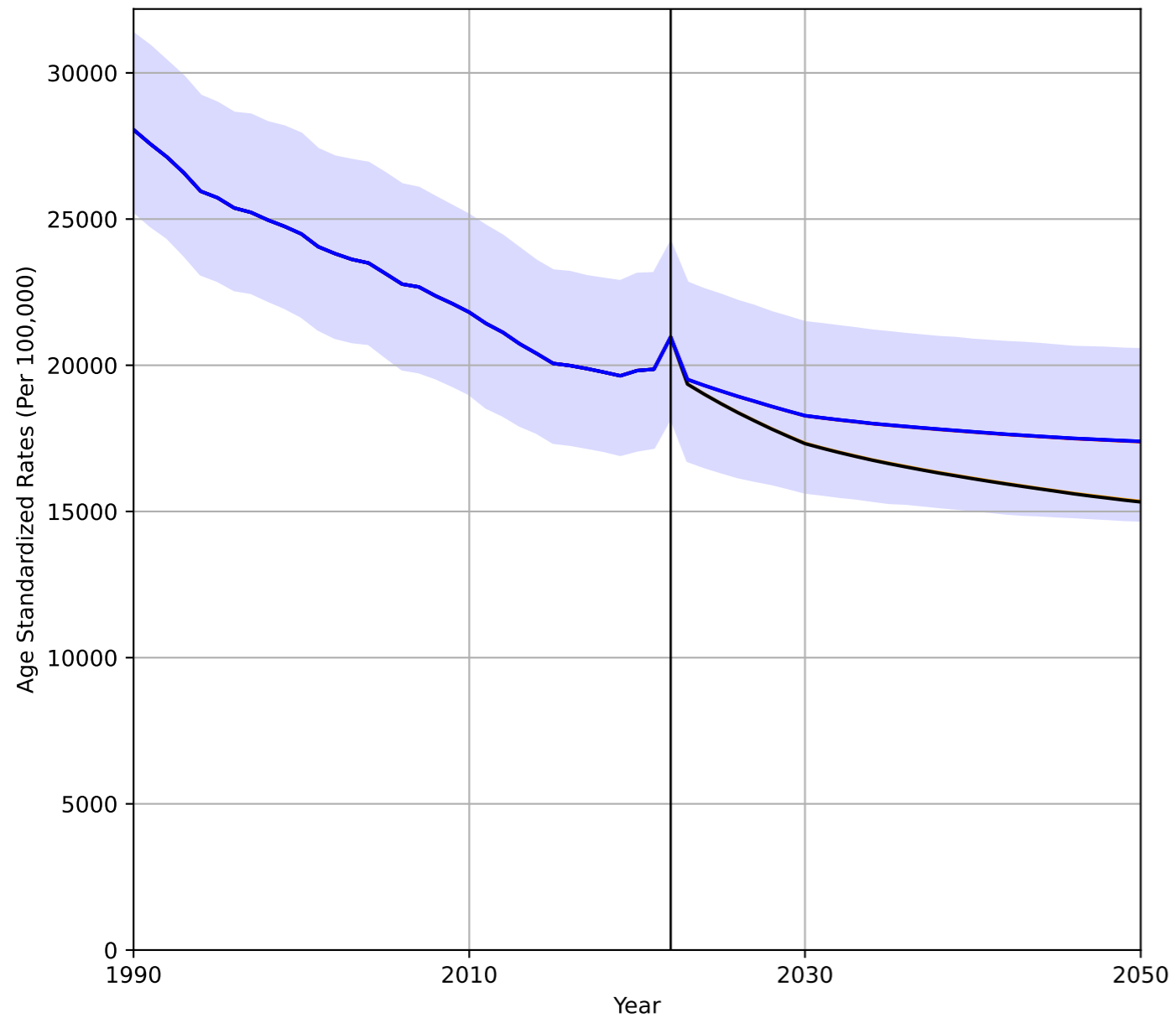
1456



# Finland

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

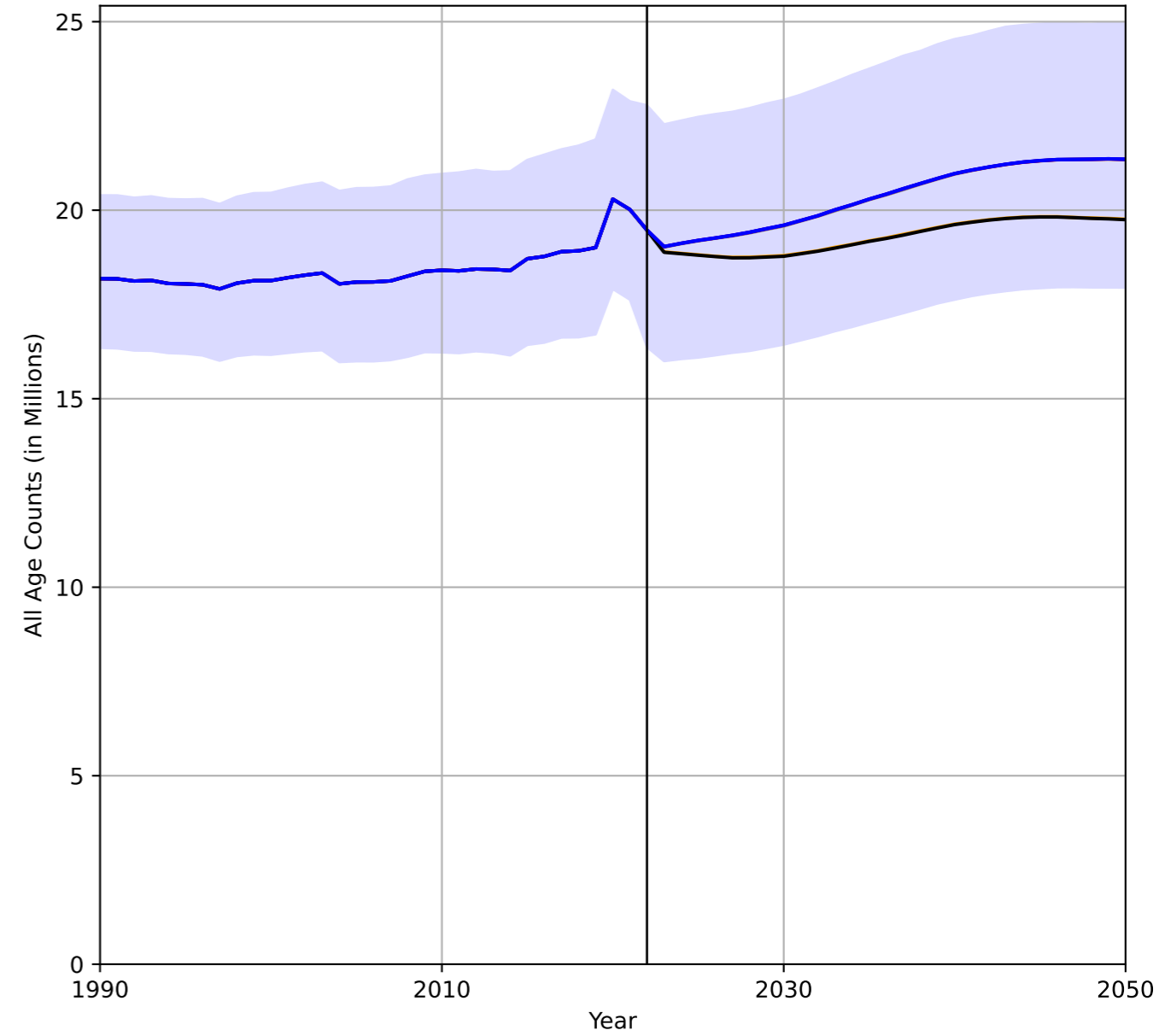
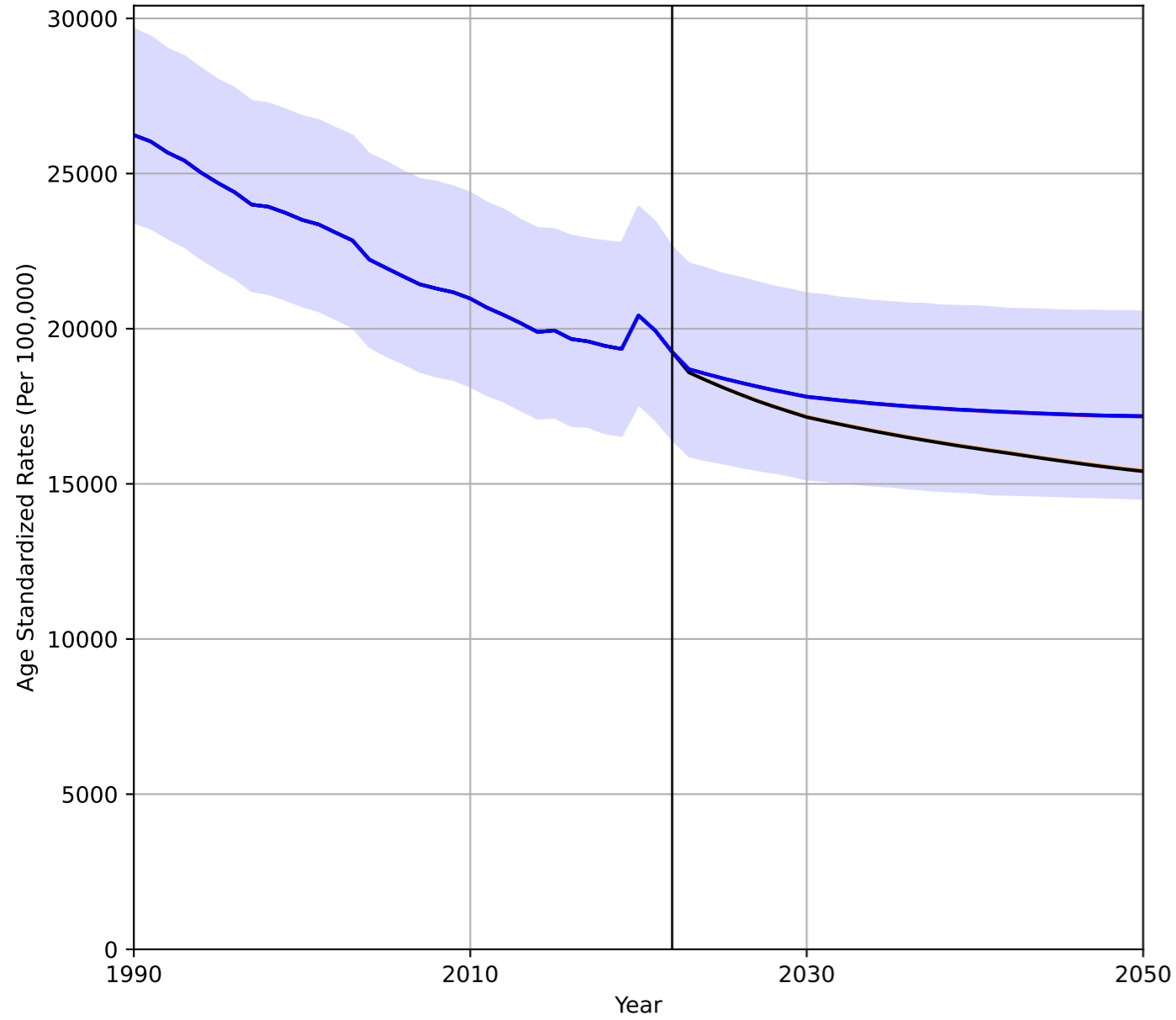
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# France

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

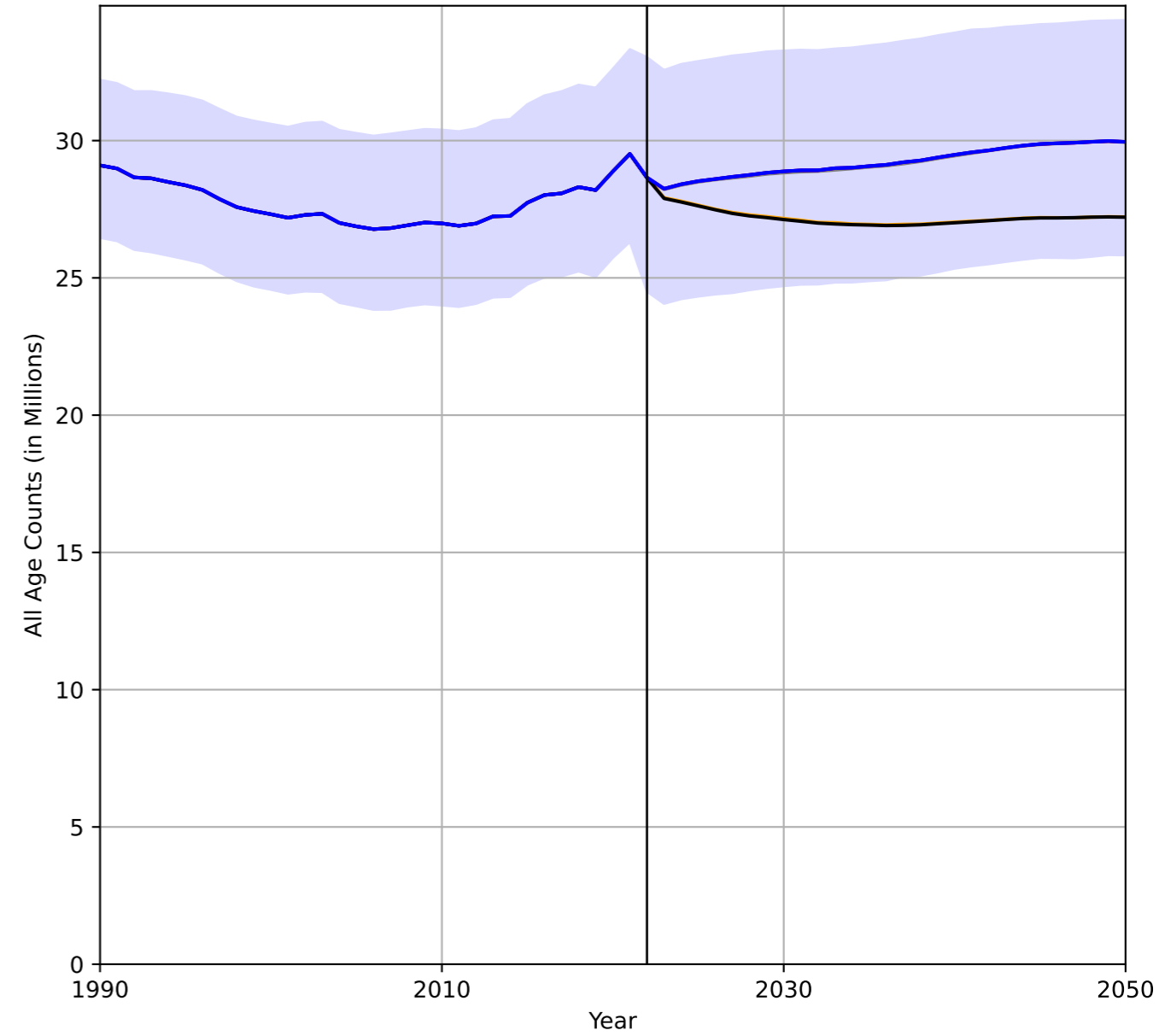
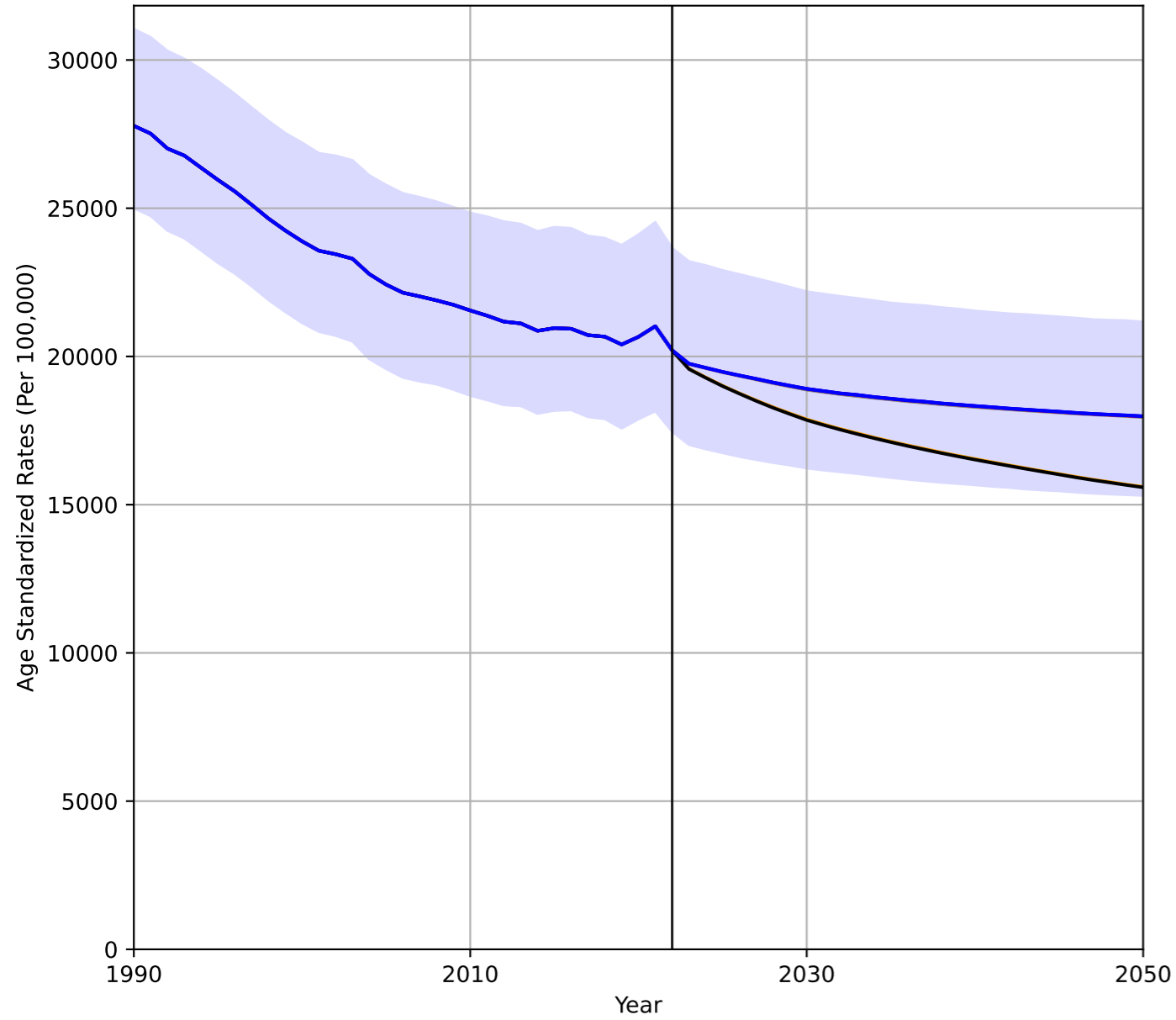
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# Germany

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

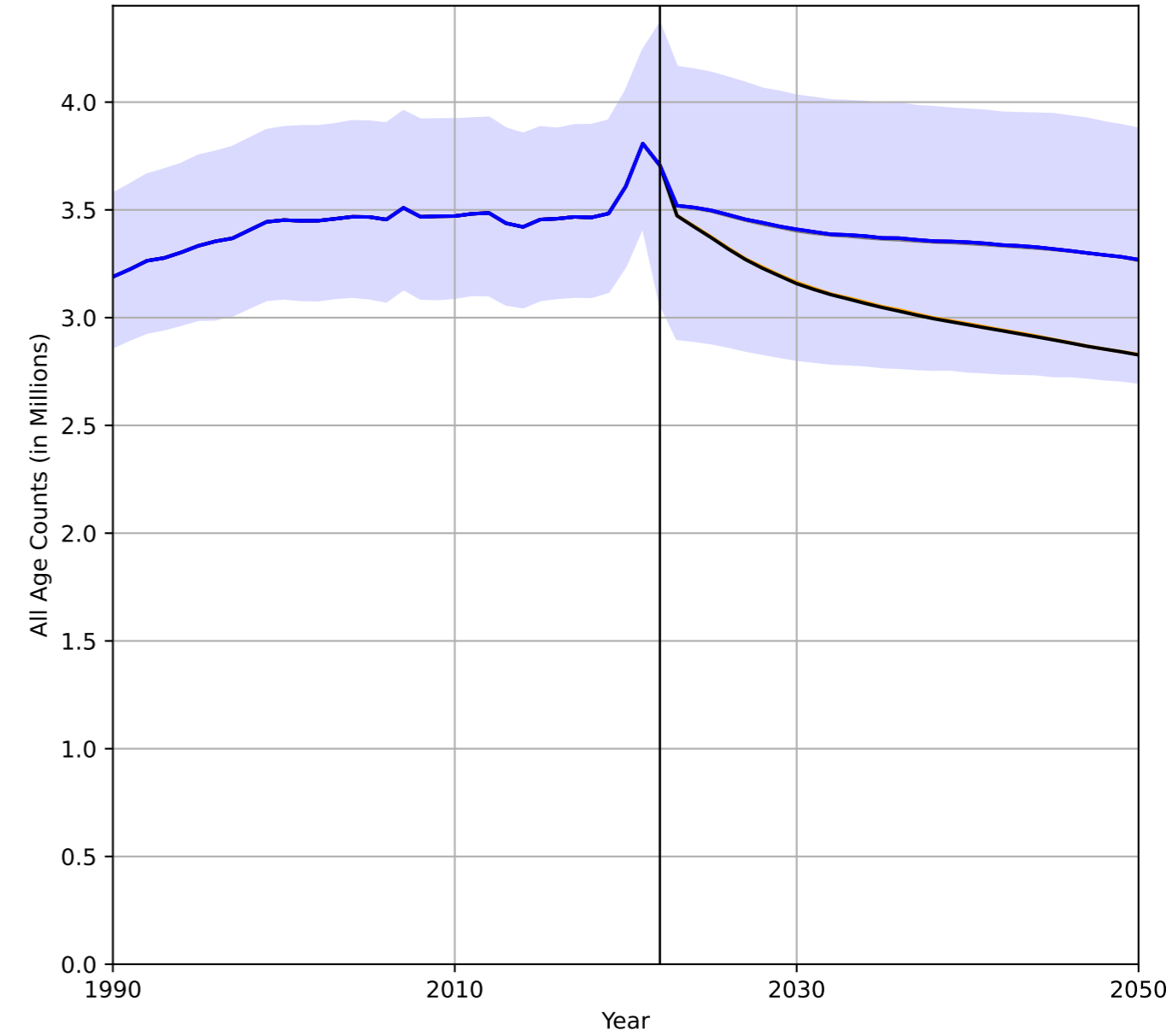
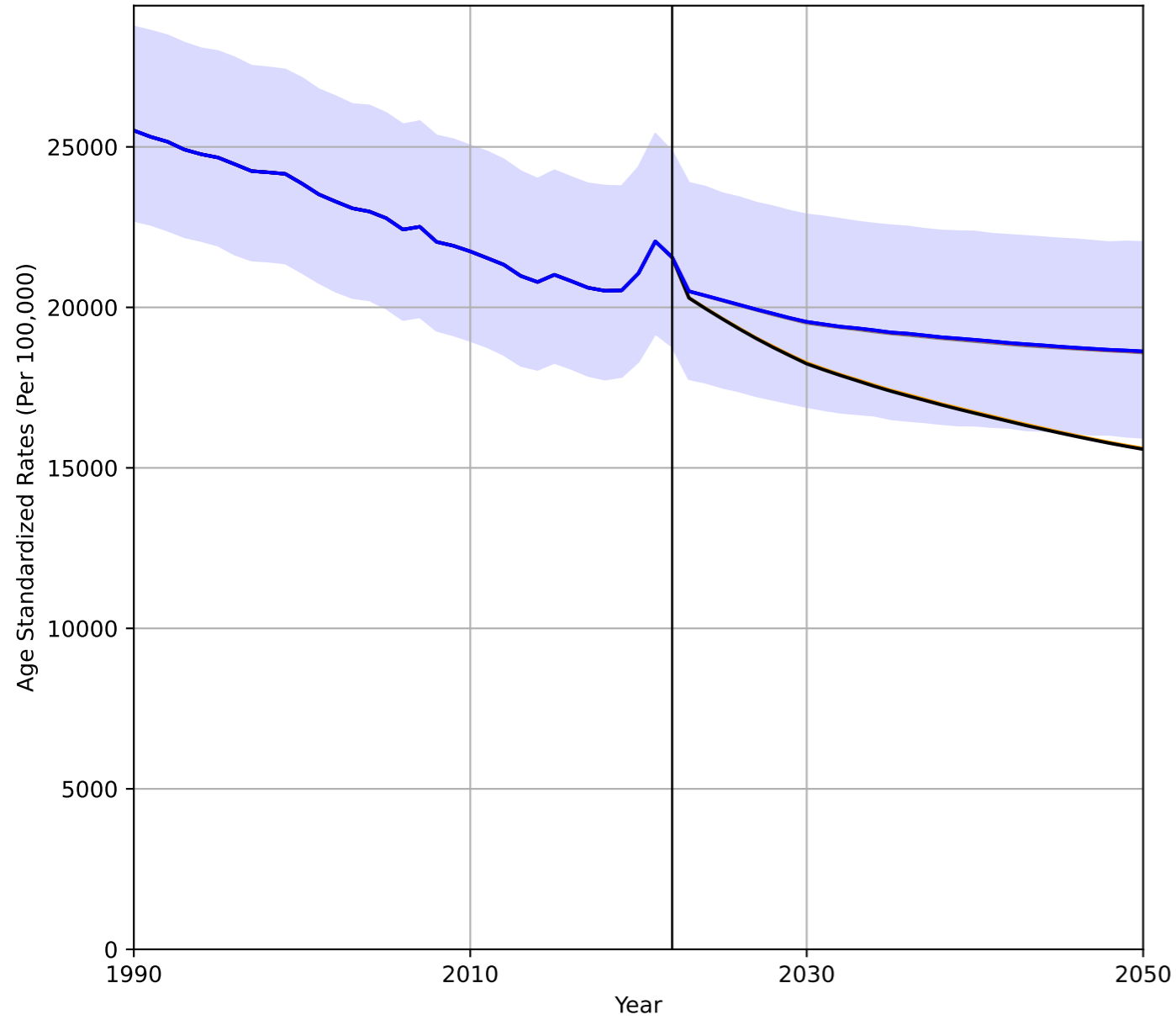
1459



# Greece

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

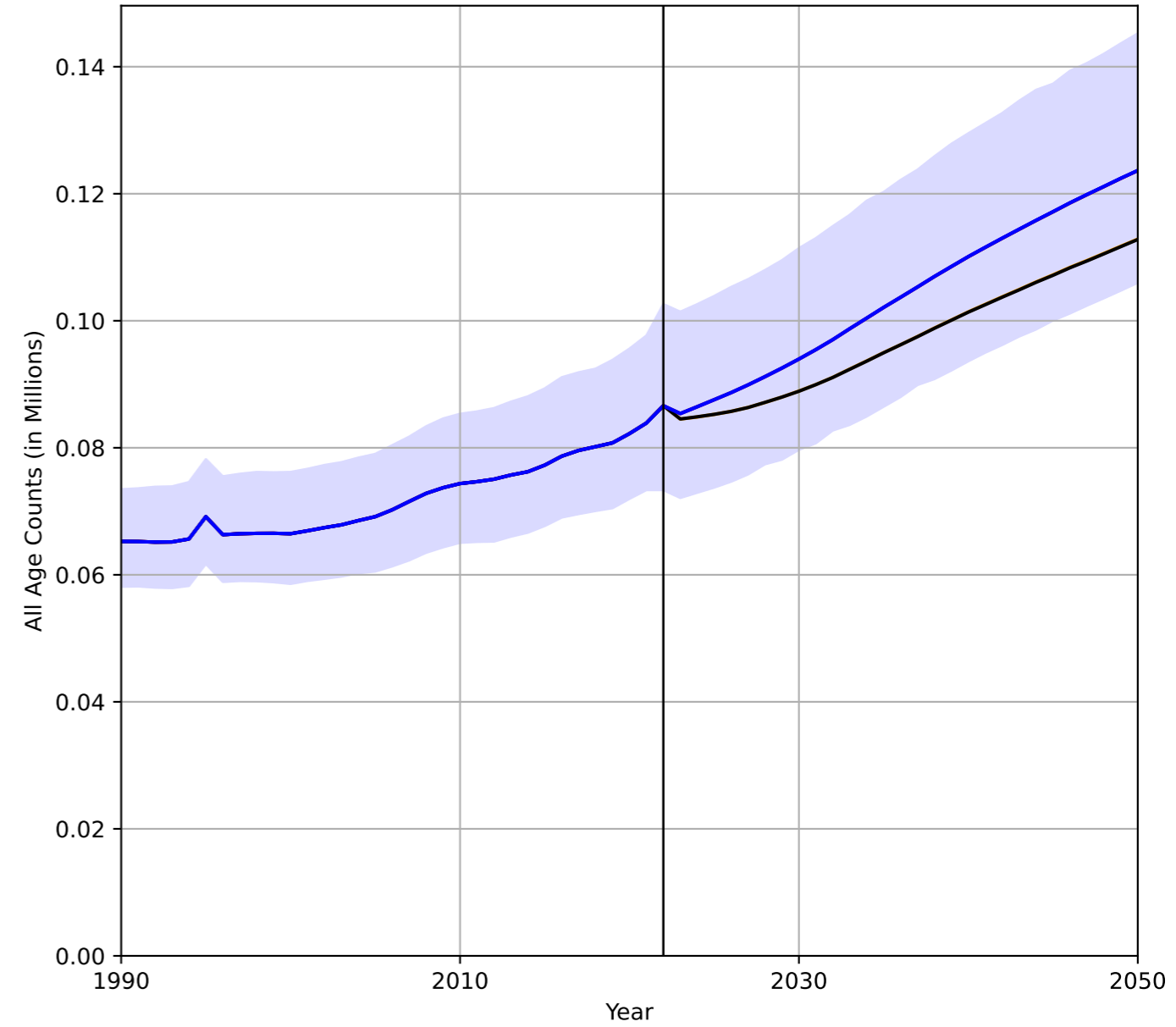
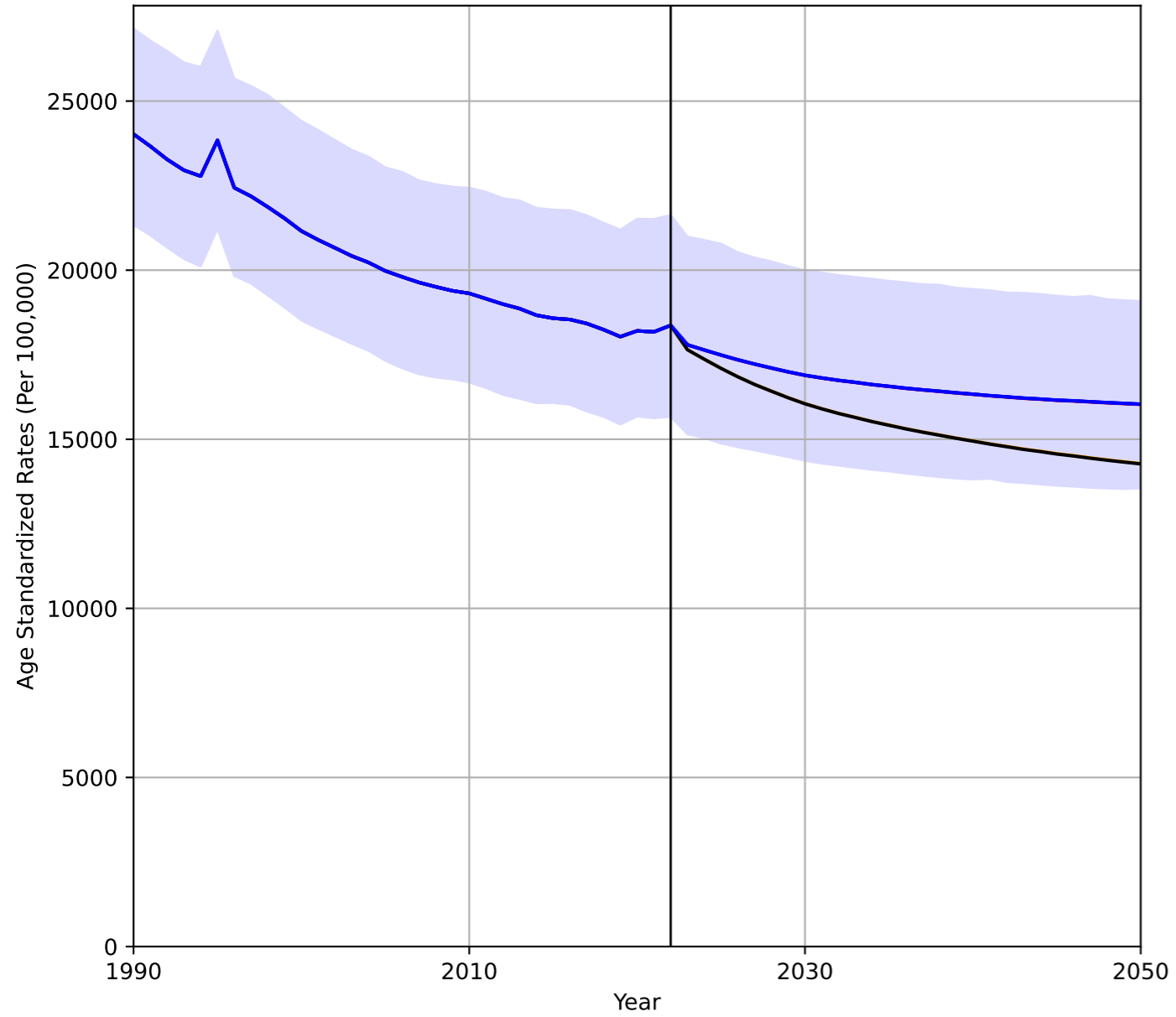
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# Iceland

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

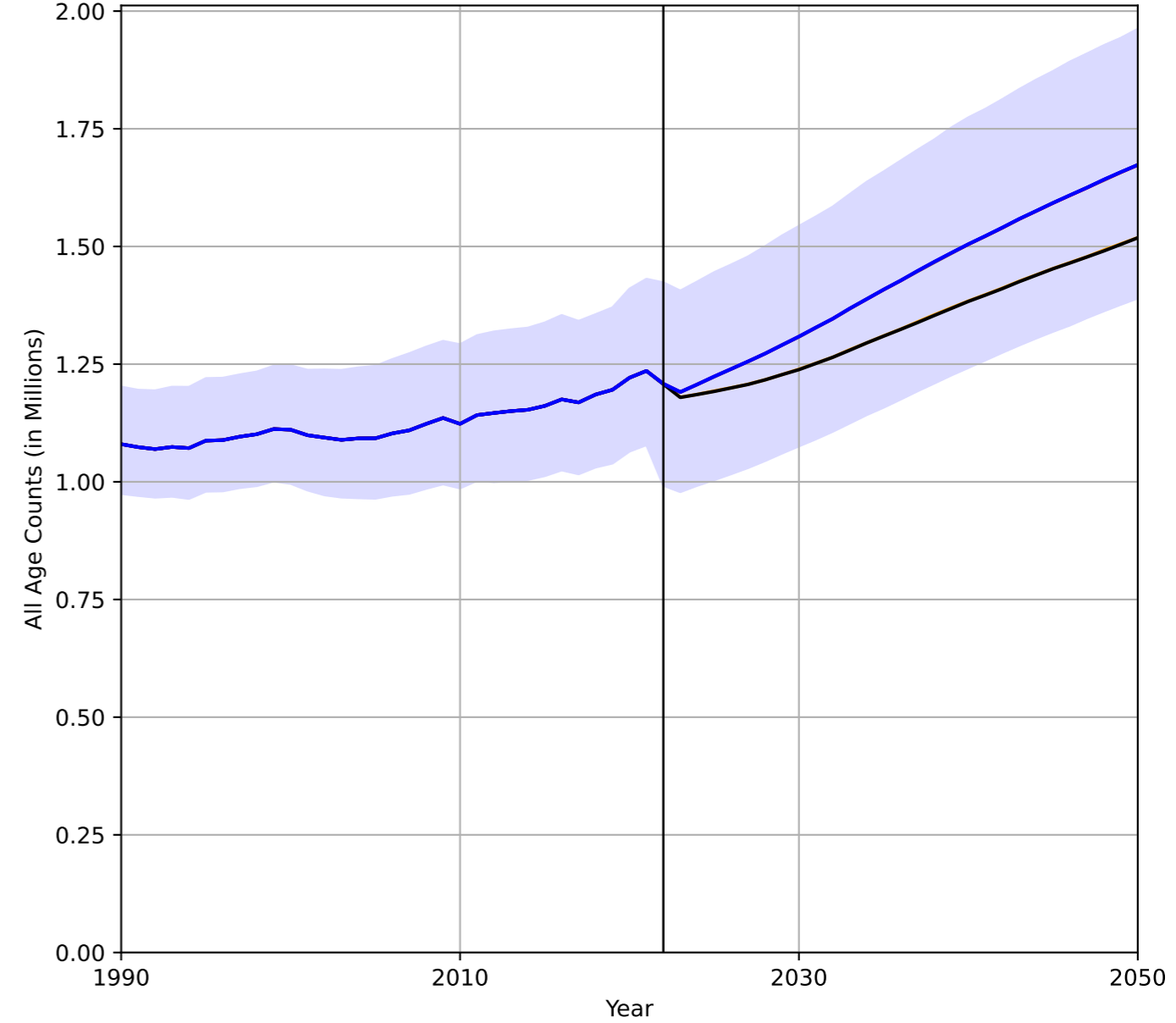
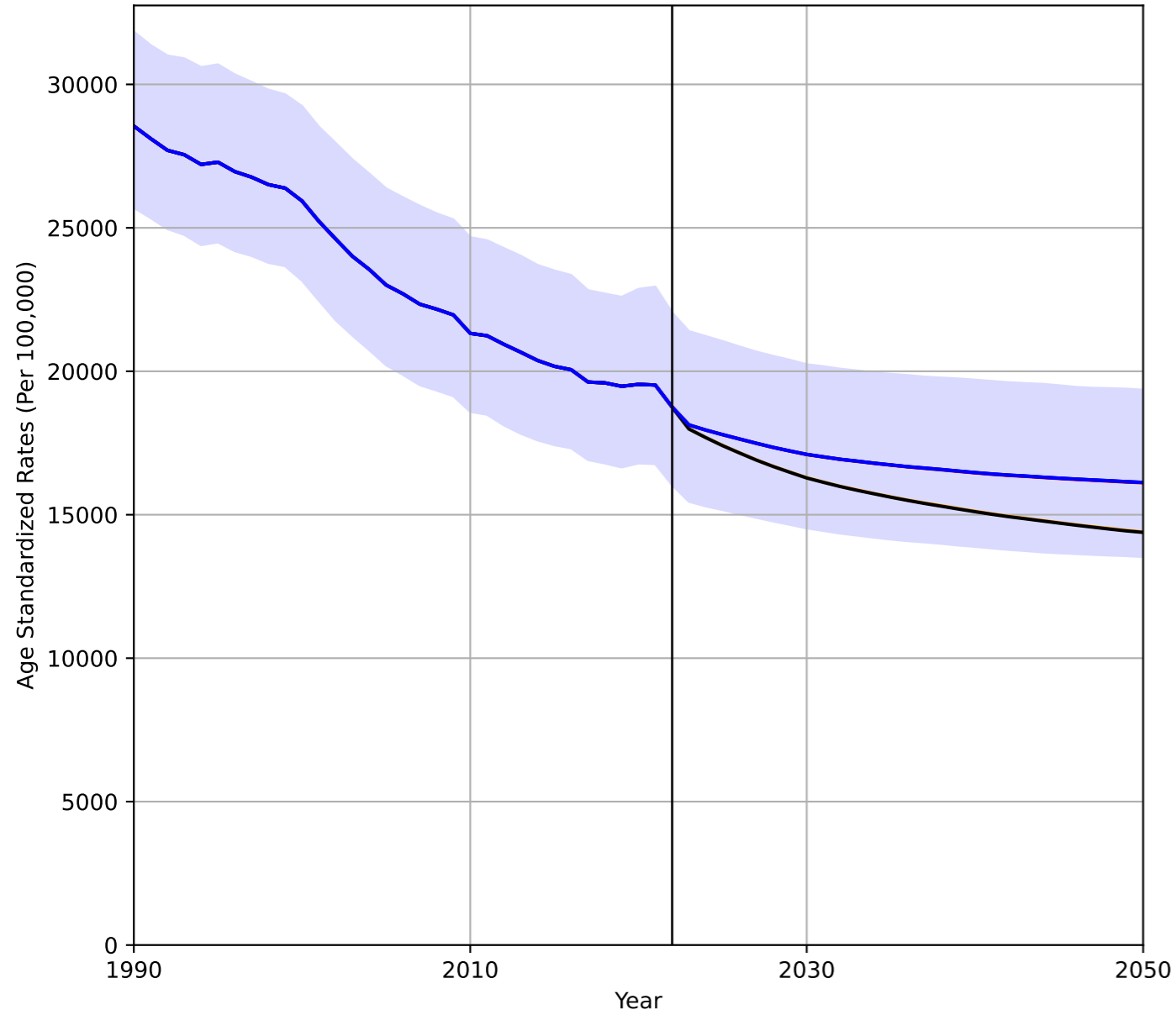
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# Ireland

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

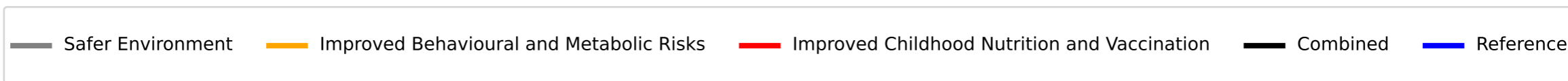
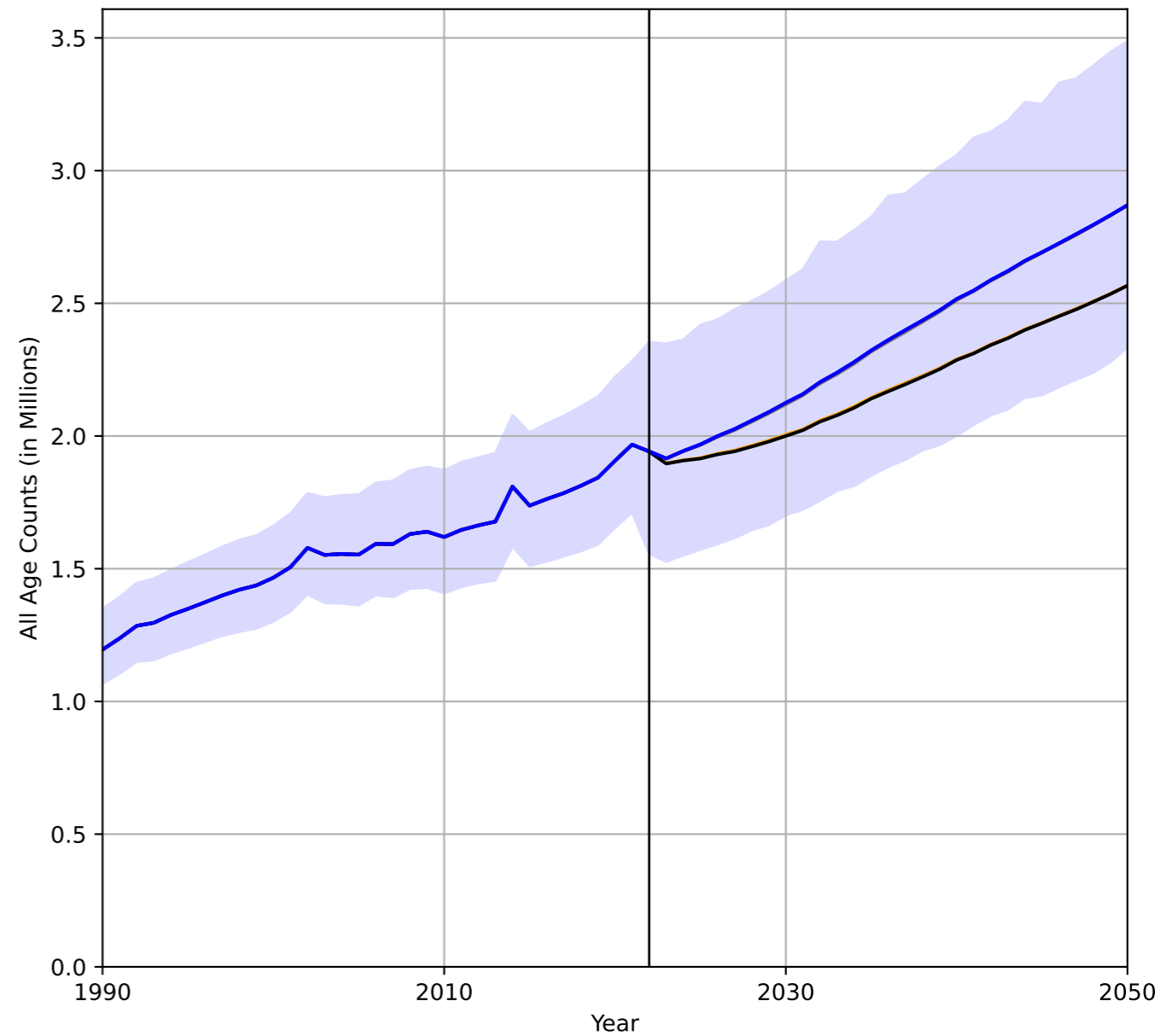
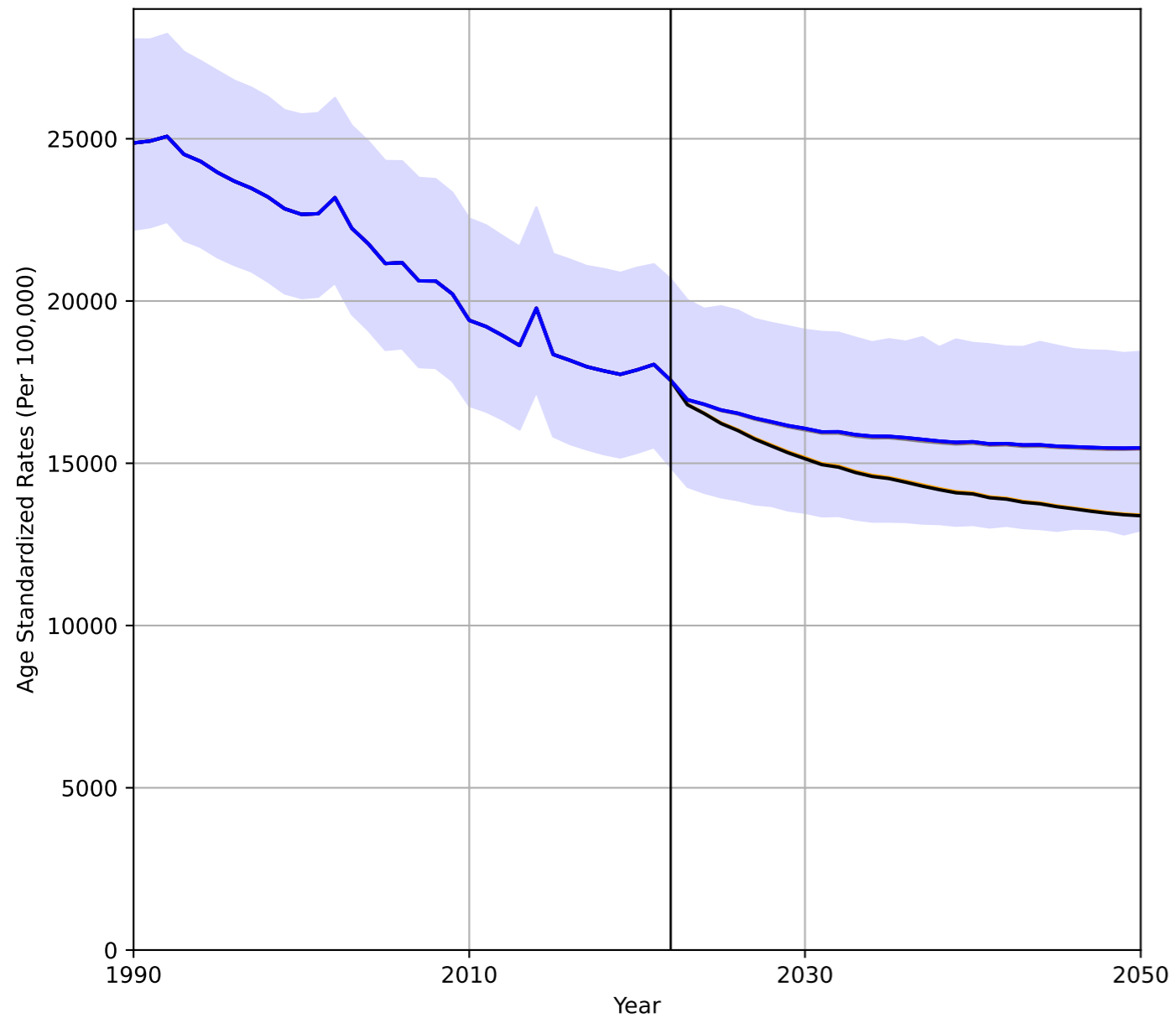
1462



# Israel

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1463

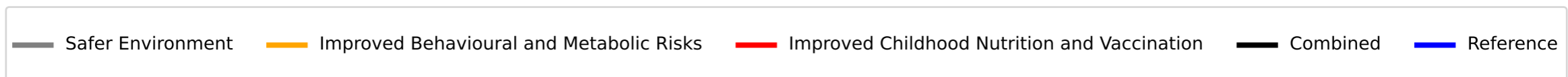
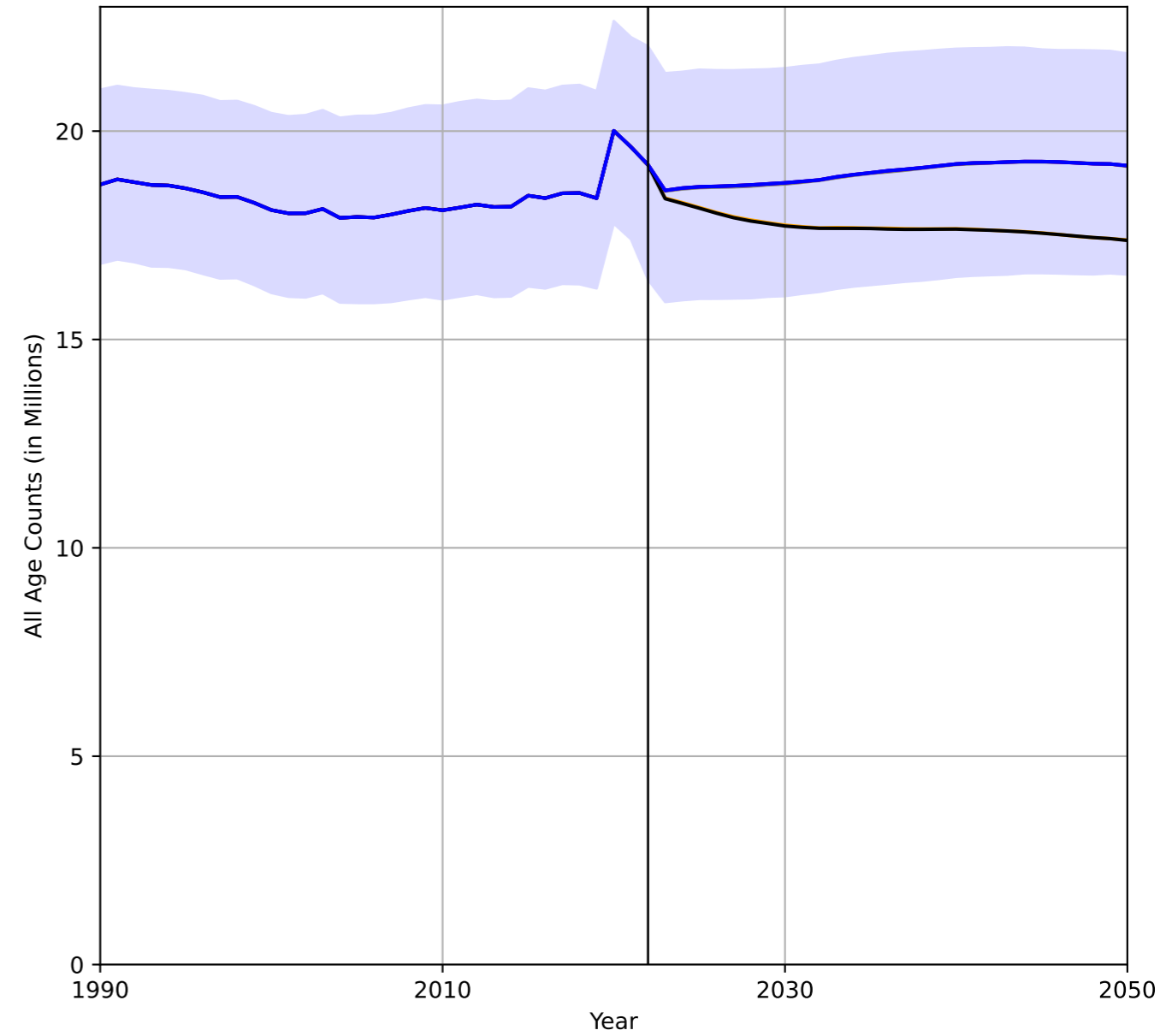
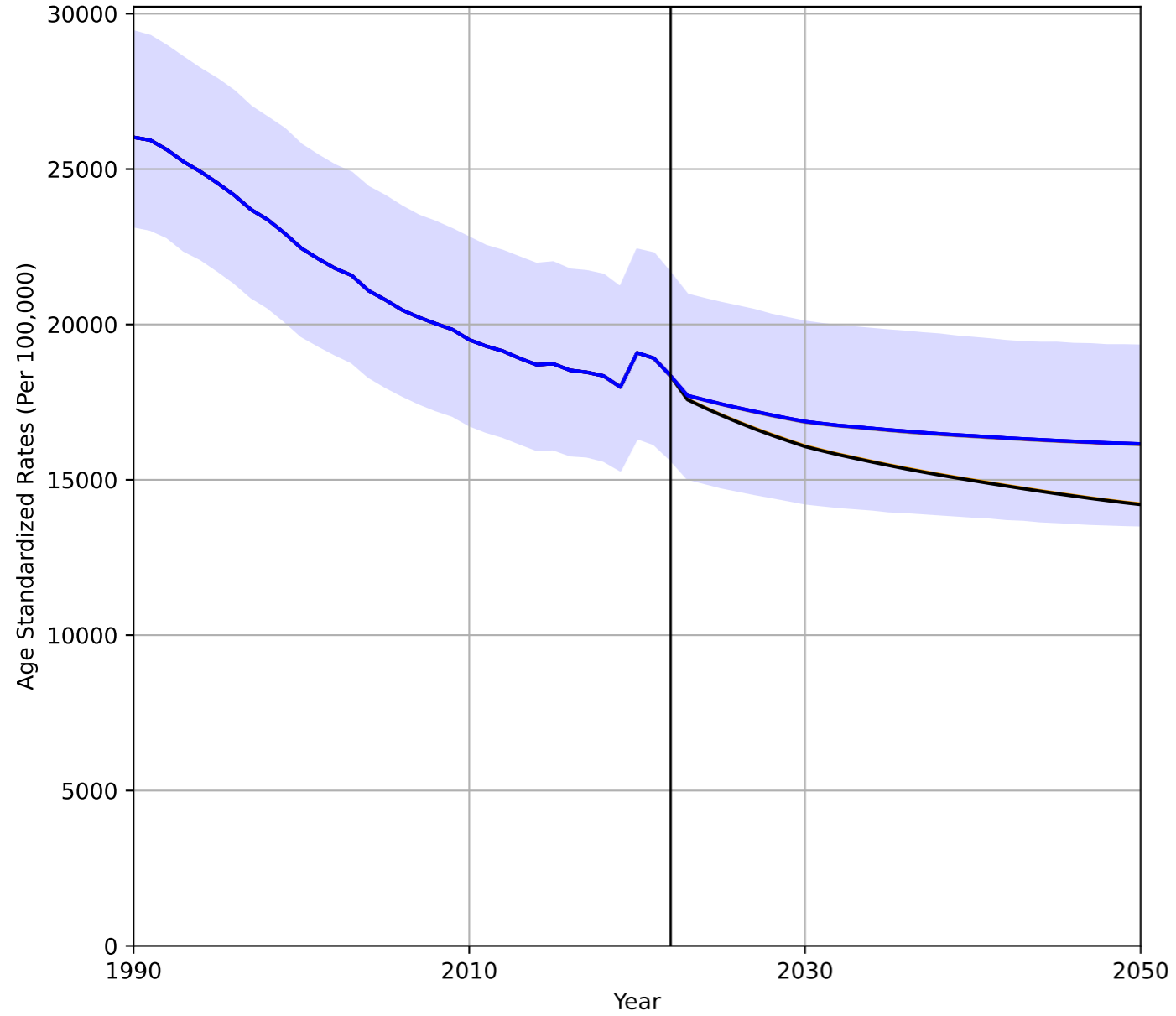




# Italy

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

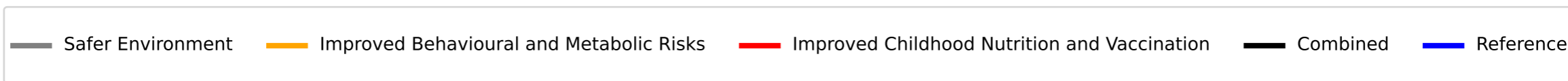
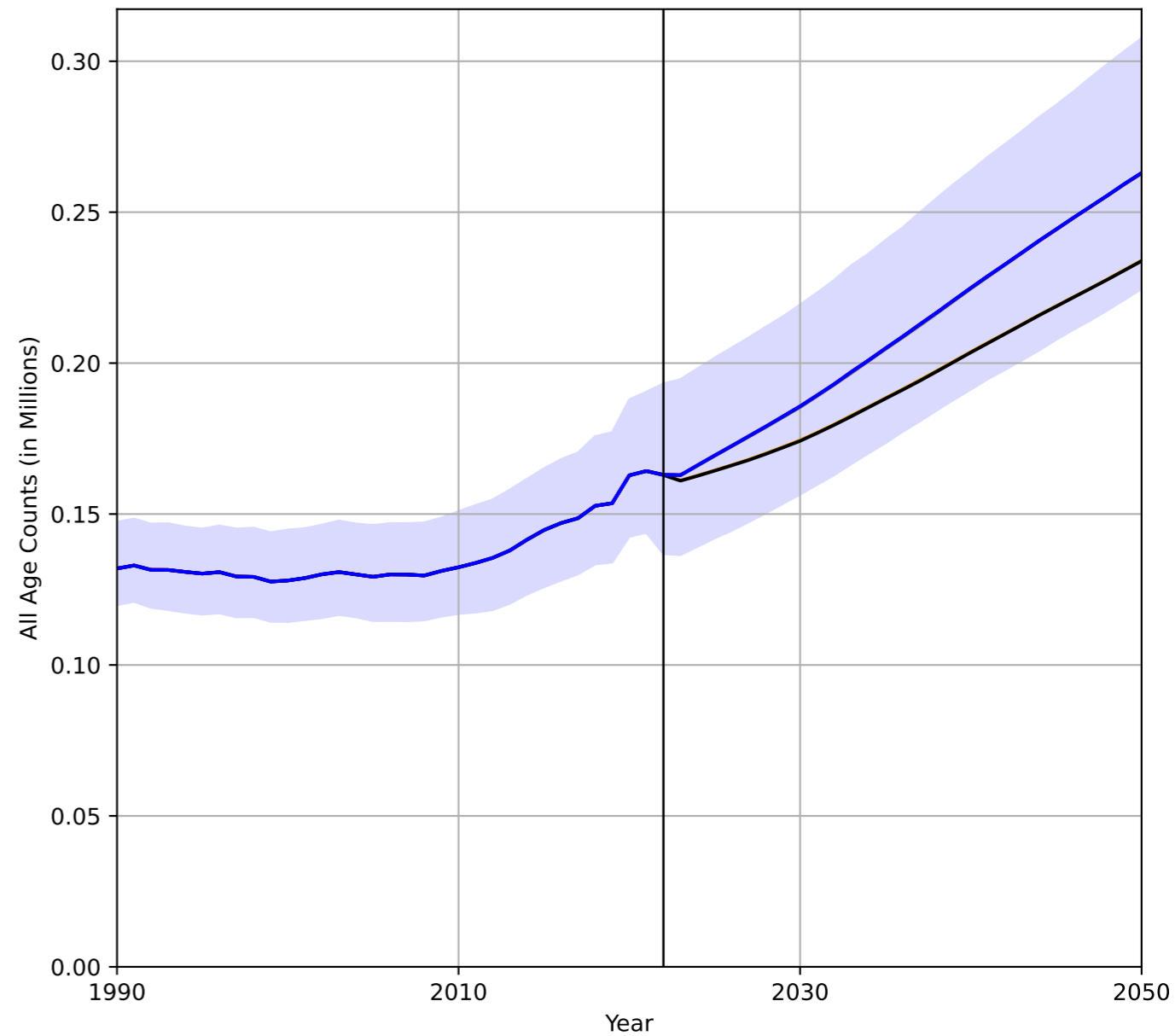
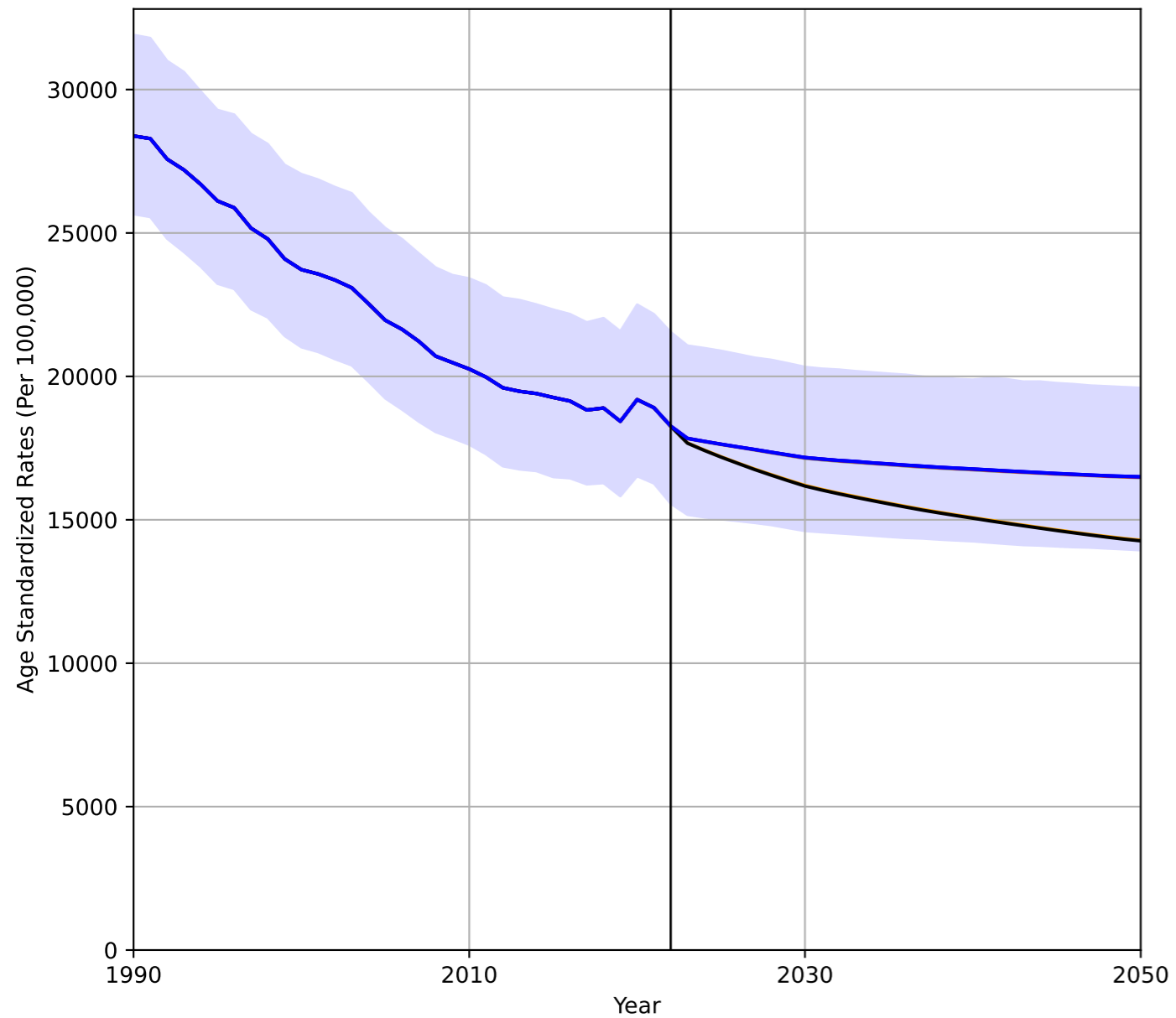
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# Luxembourg

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

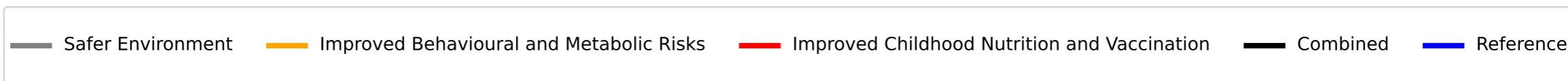
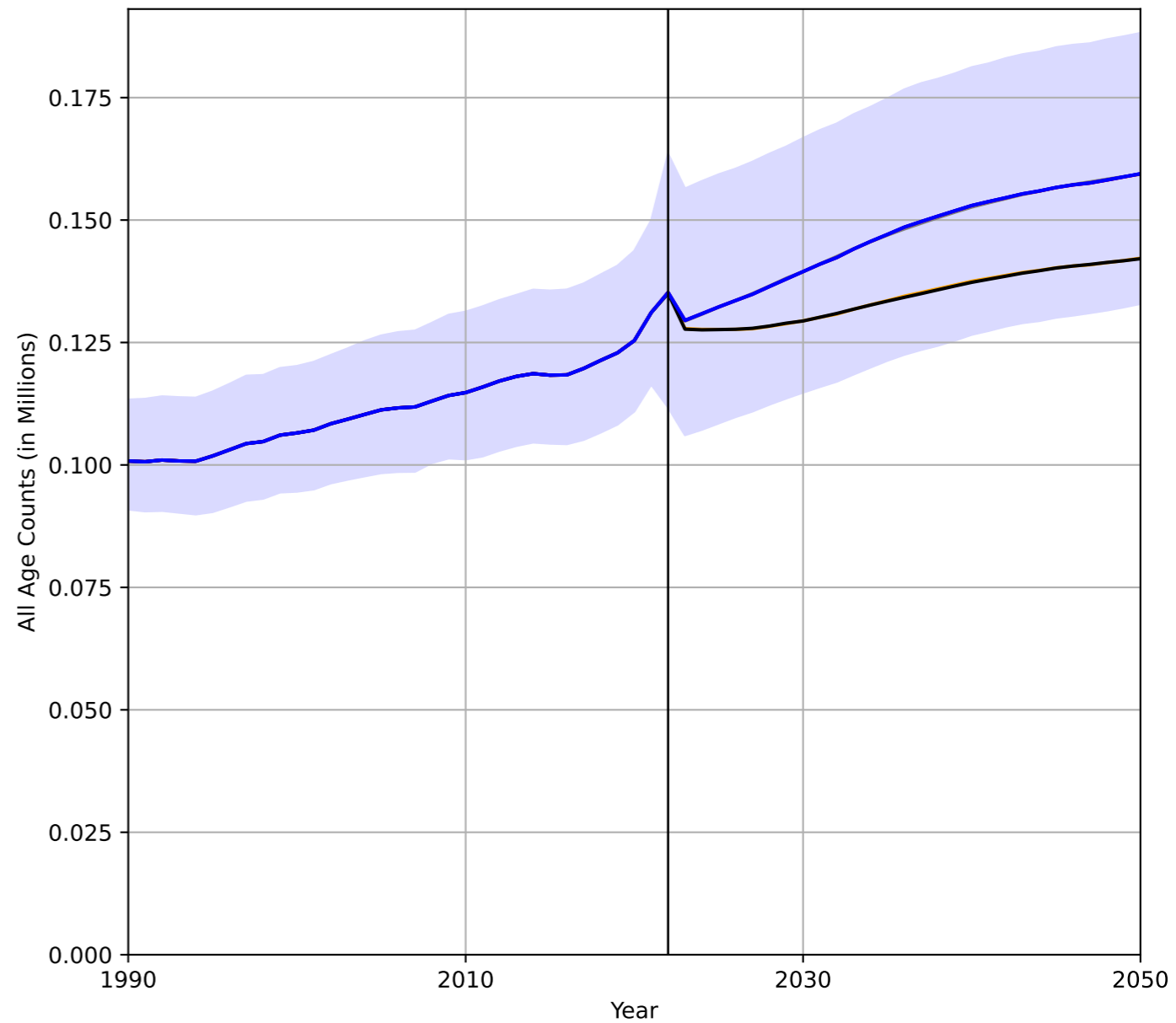
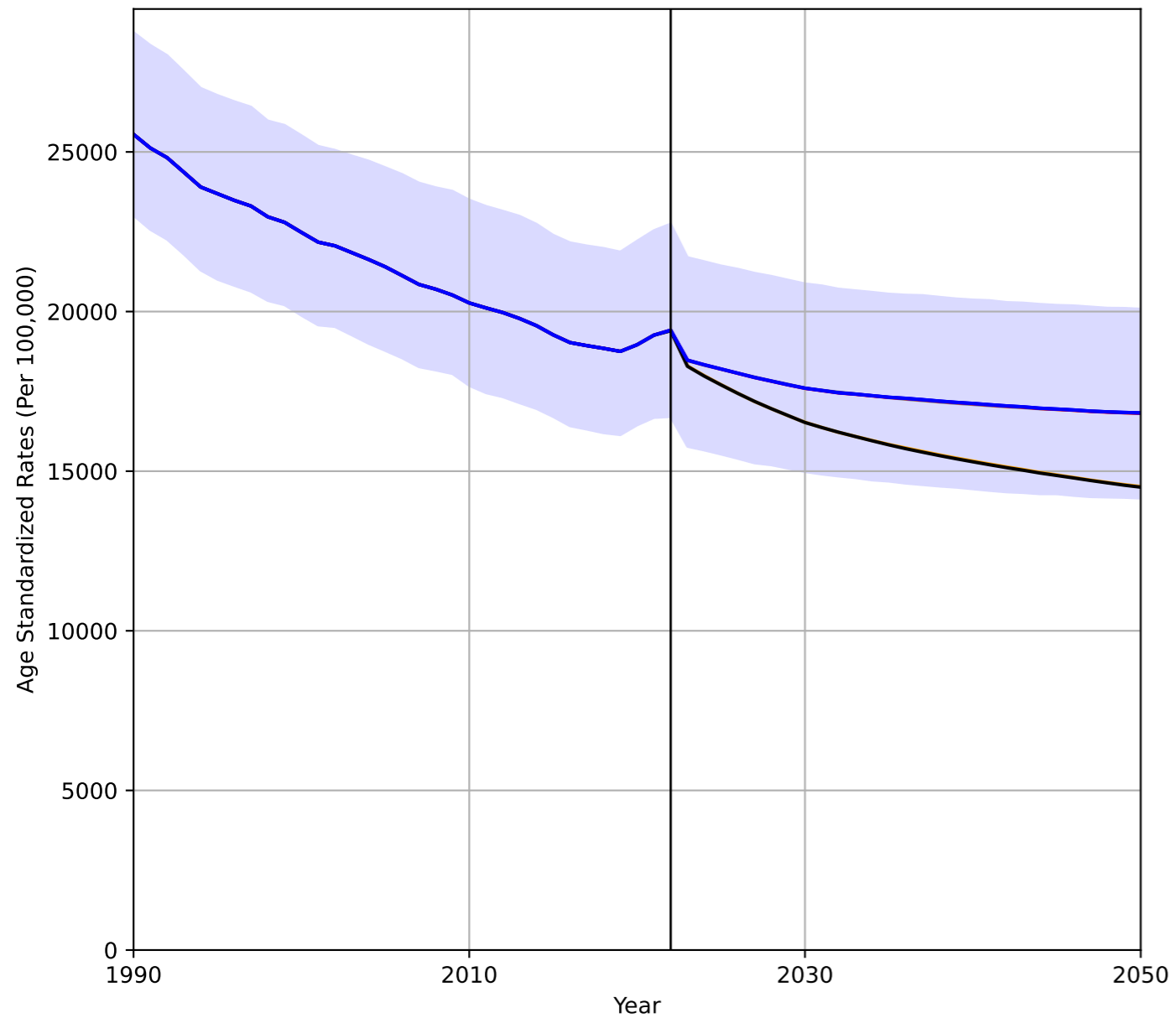
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# Malta

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

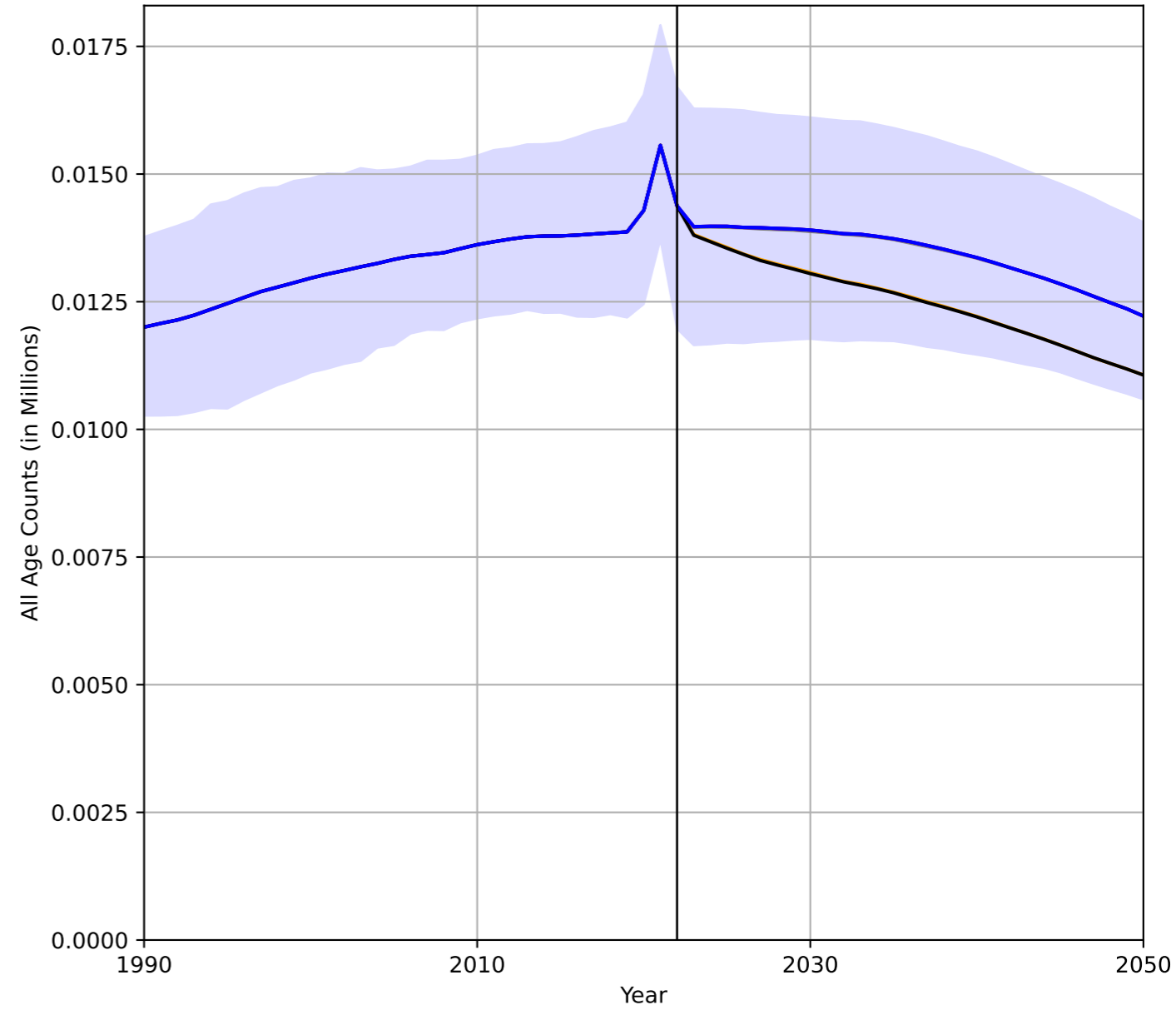
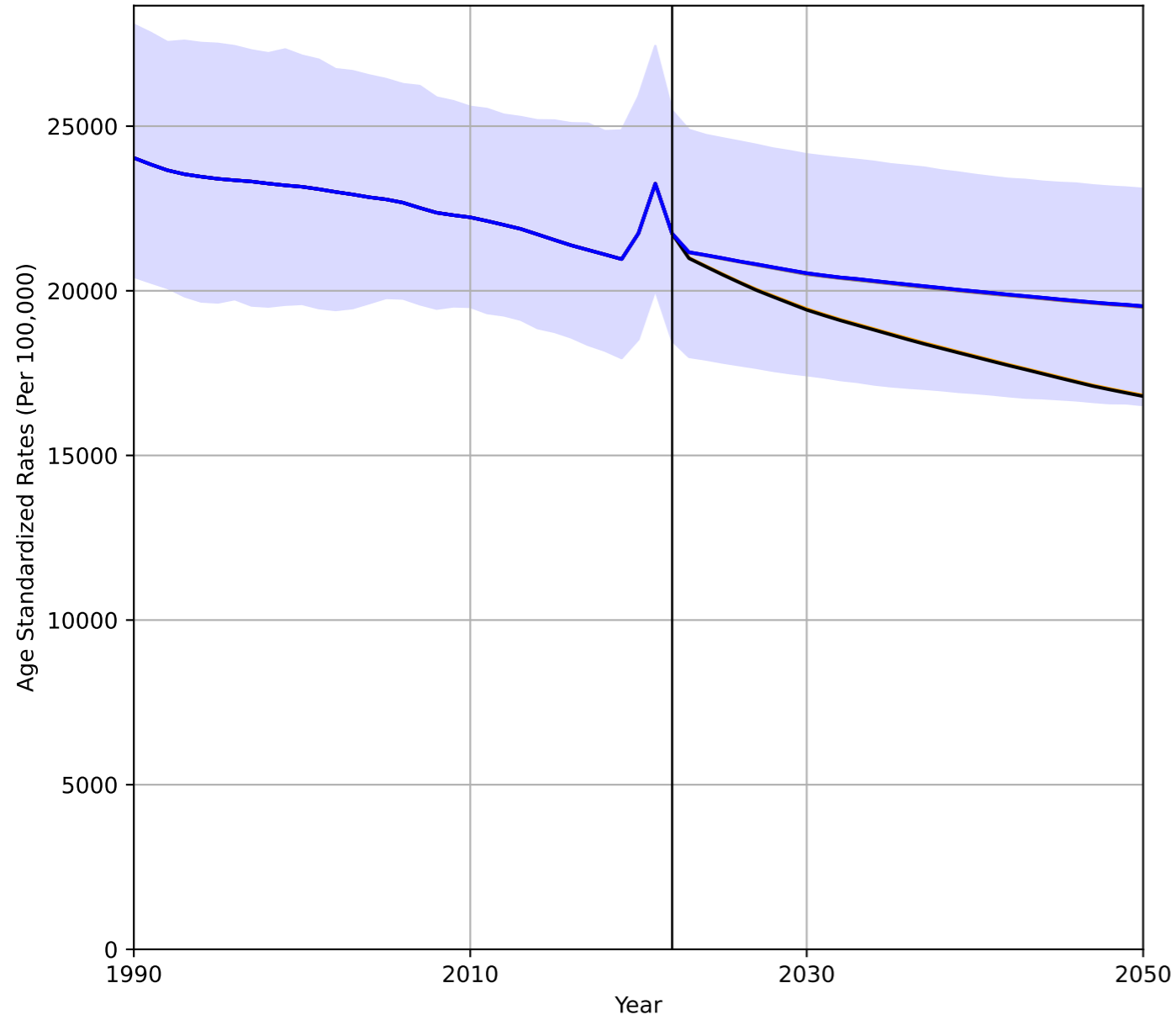
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# Monaco

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

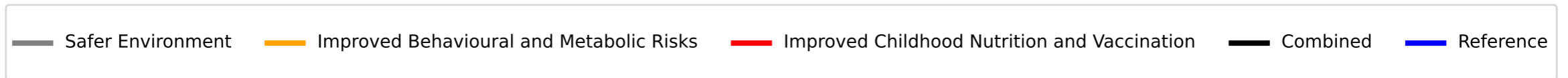
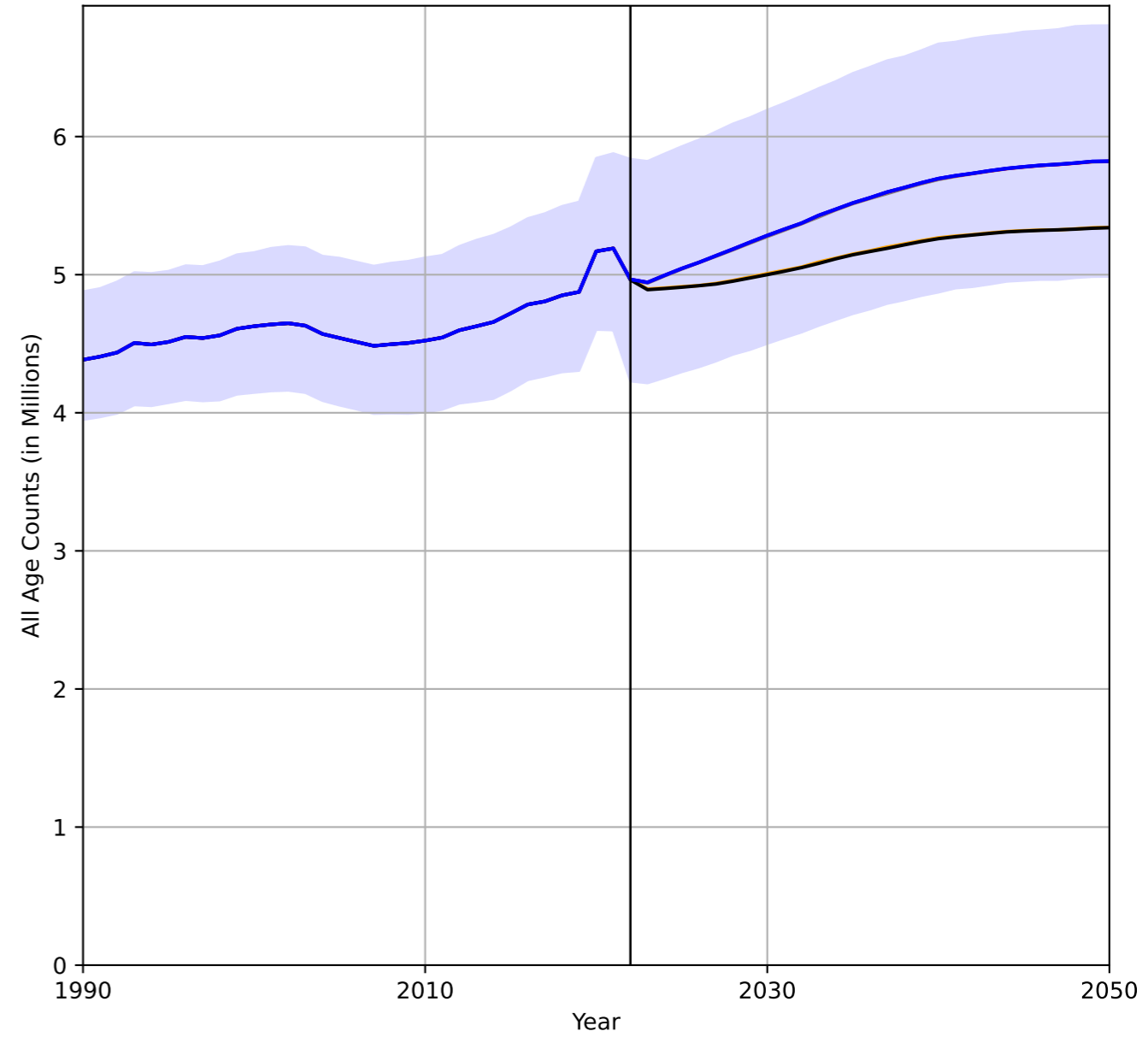
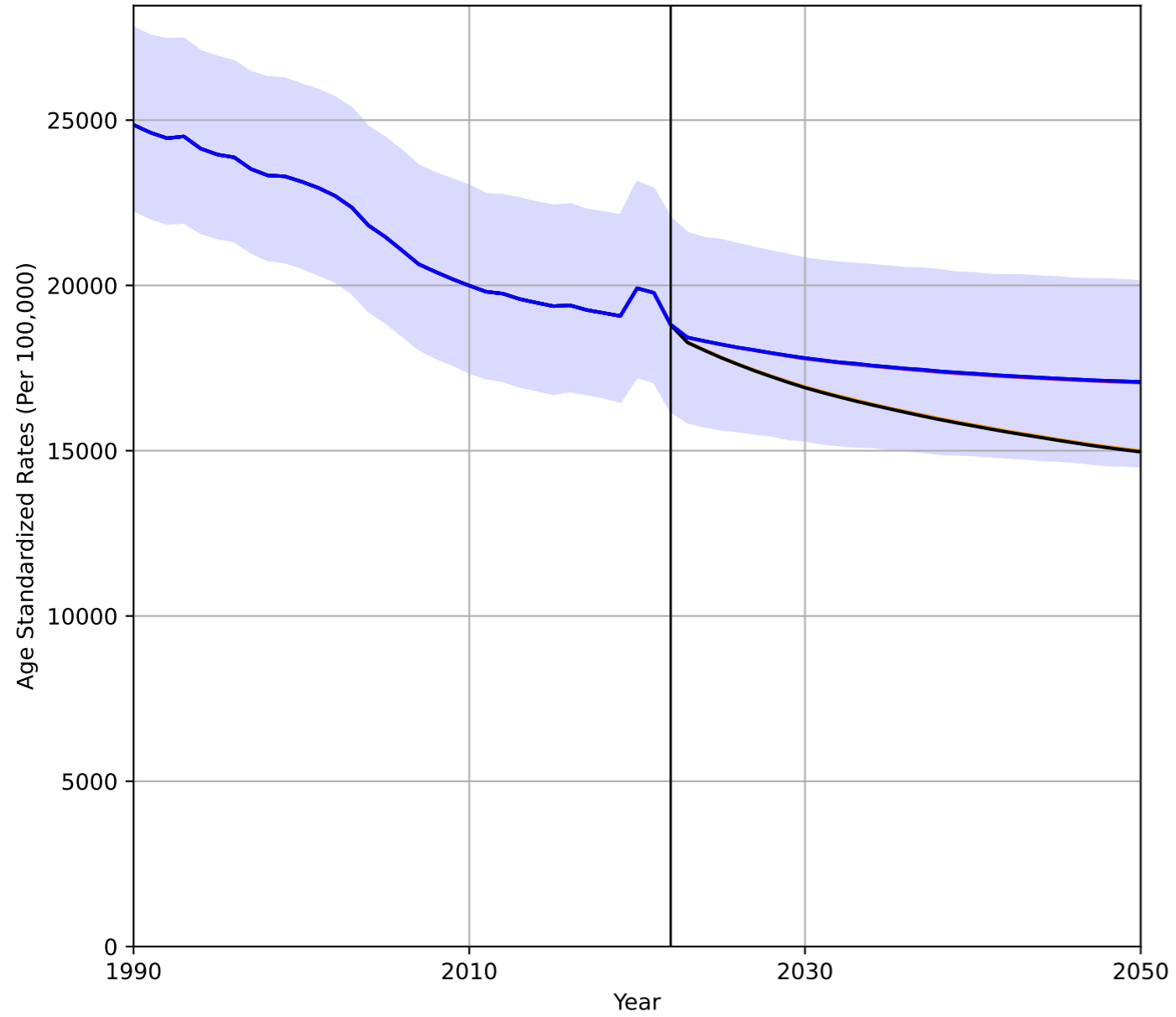
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# Netherlands

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

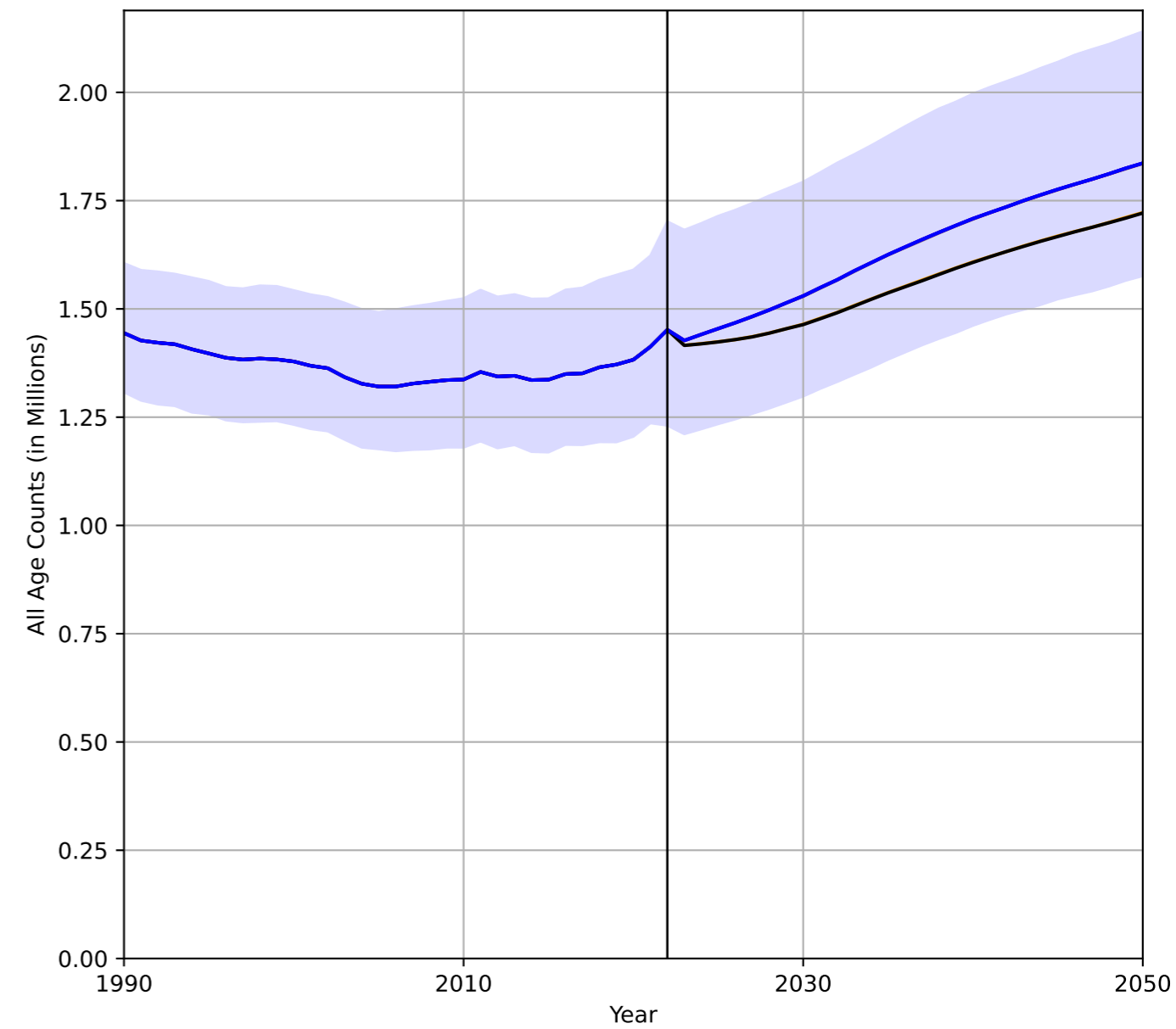
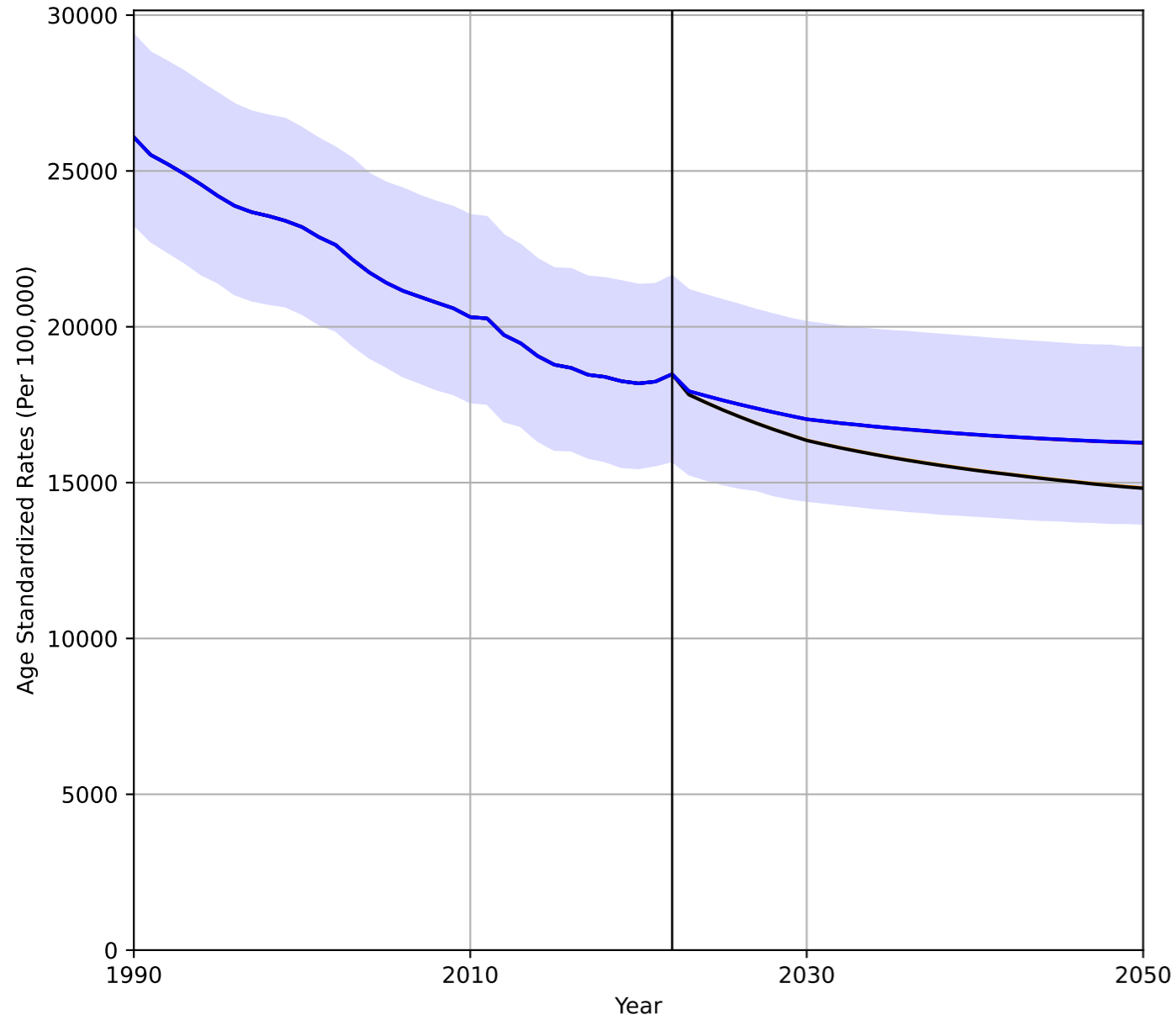
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# Norway

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

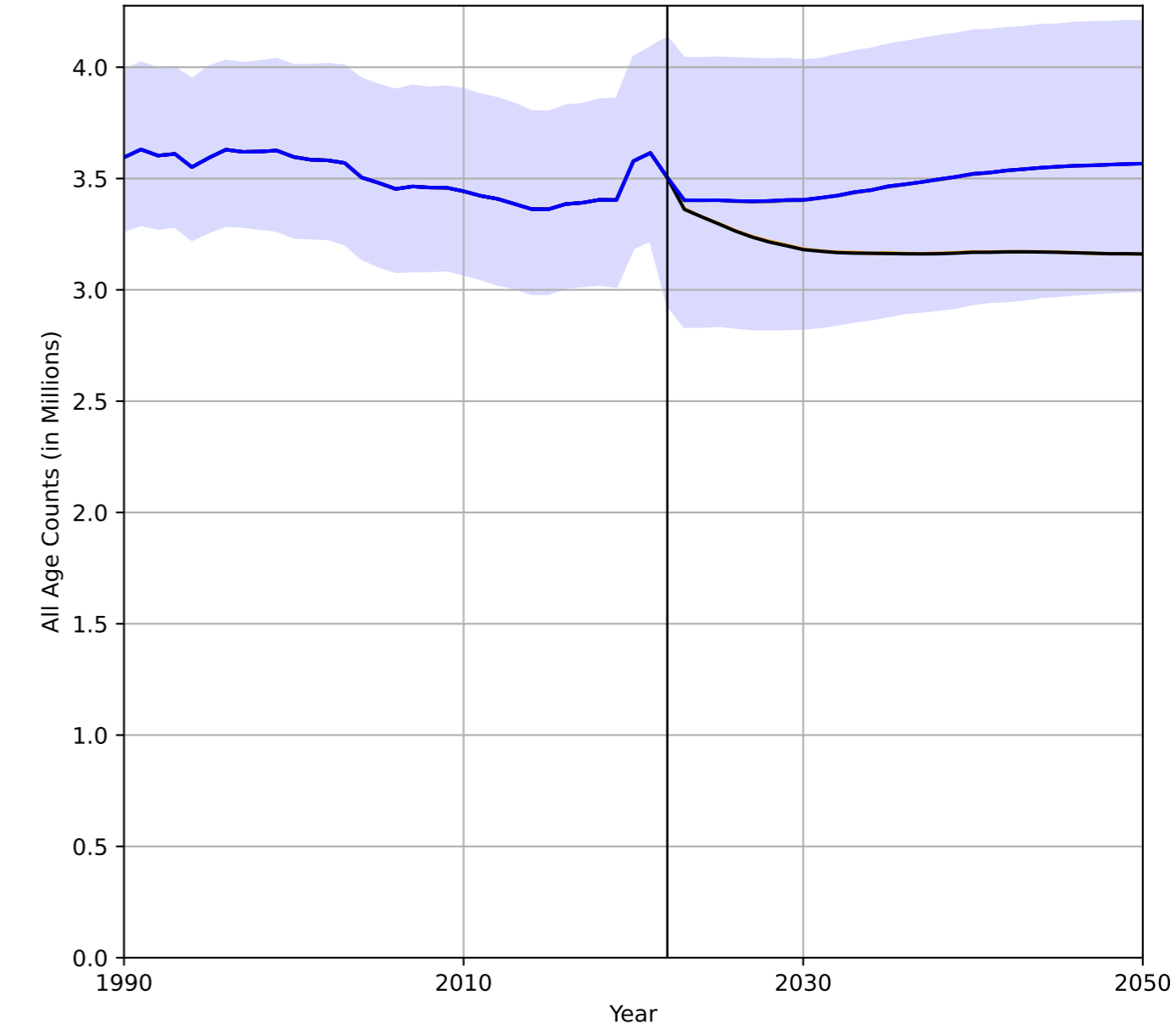
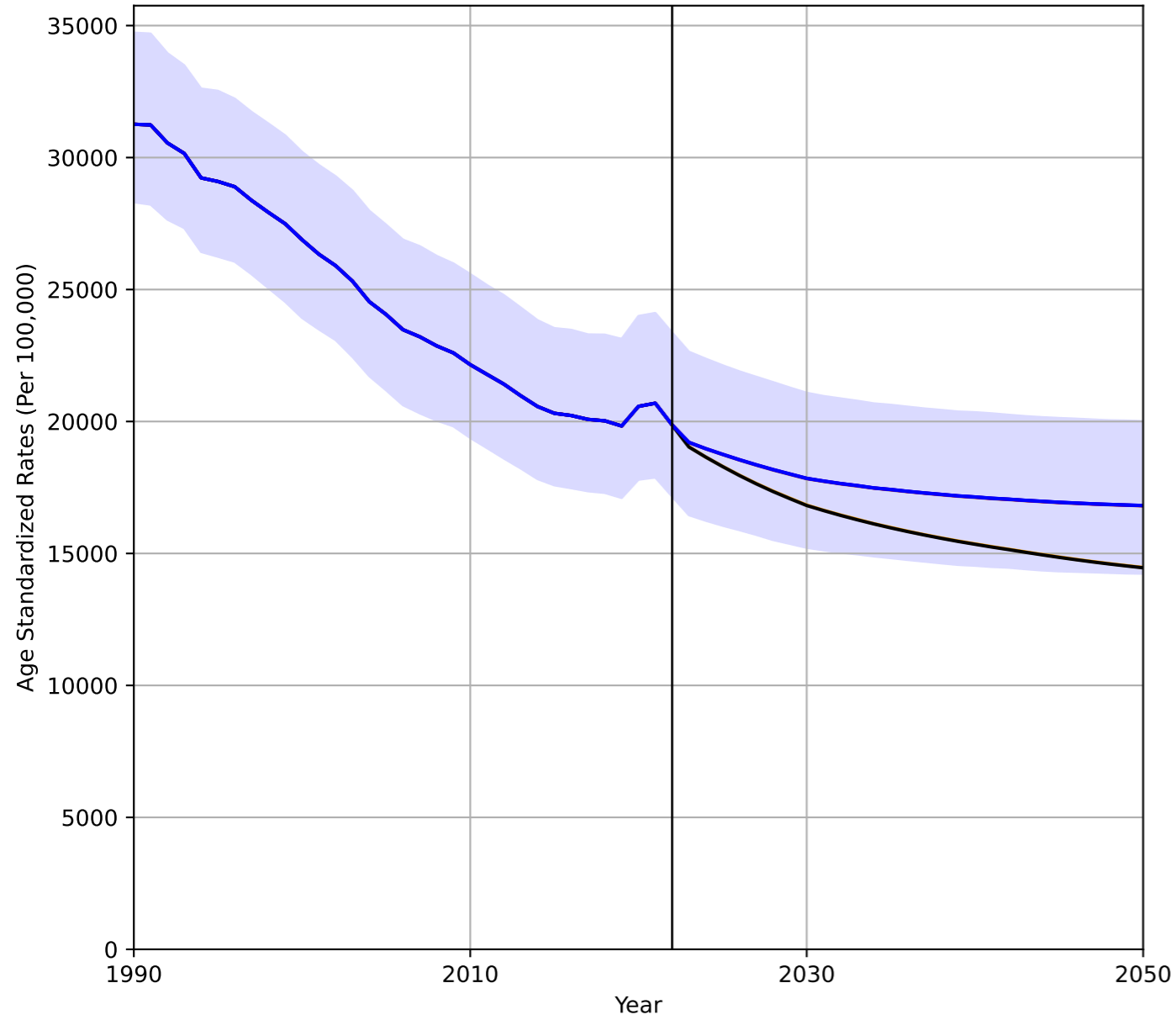
1469



# Portugal

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

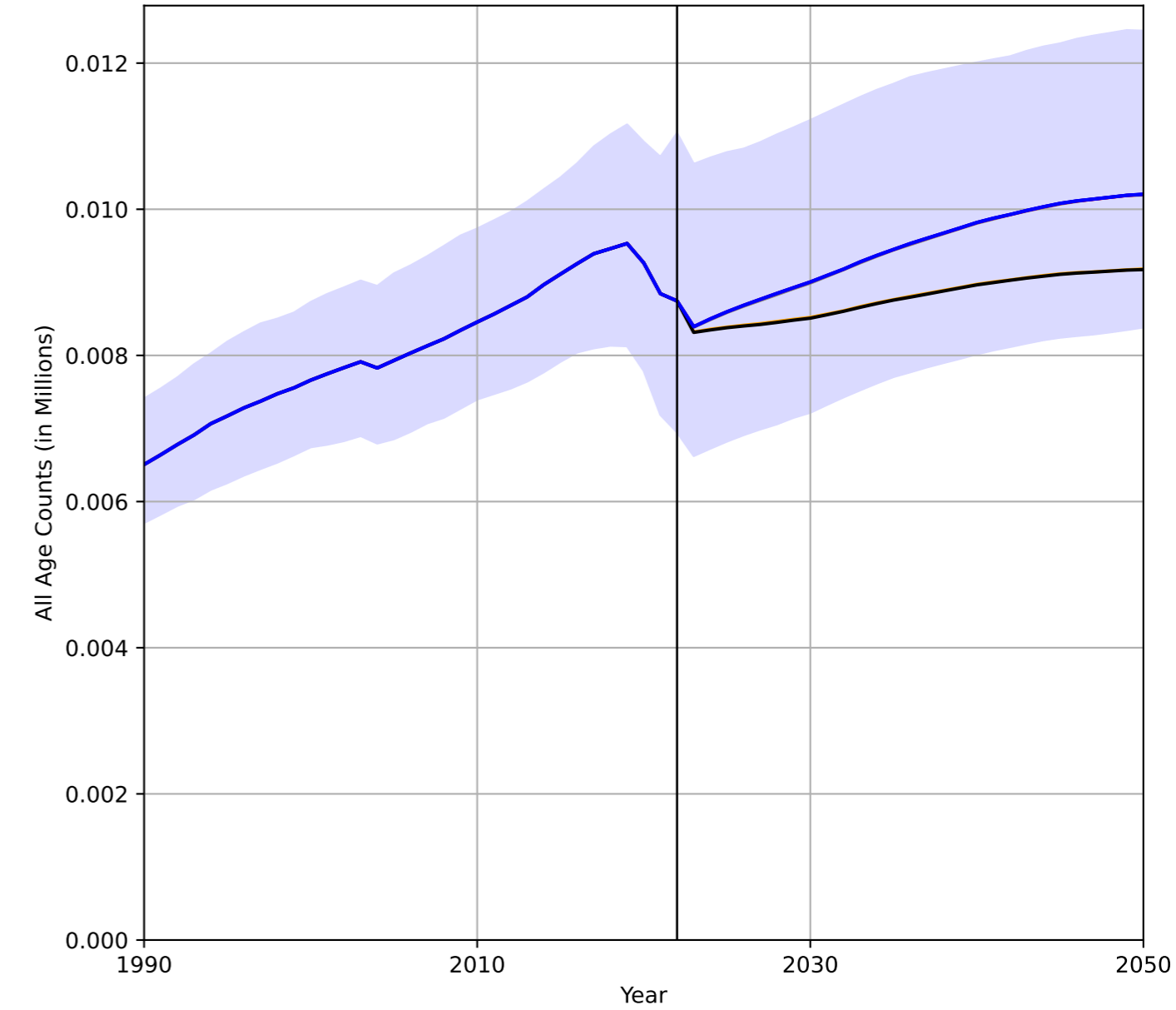
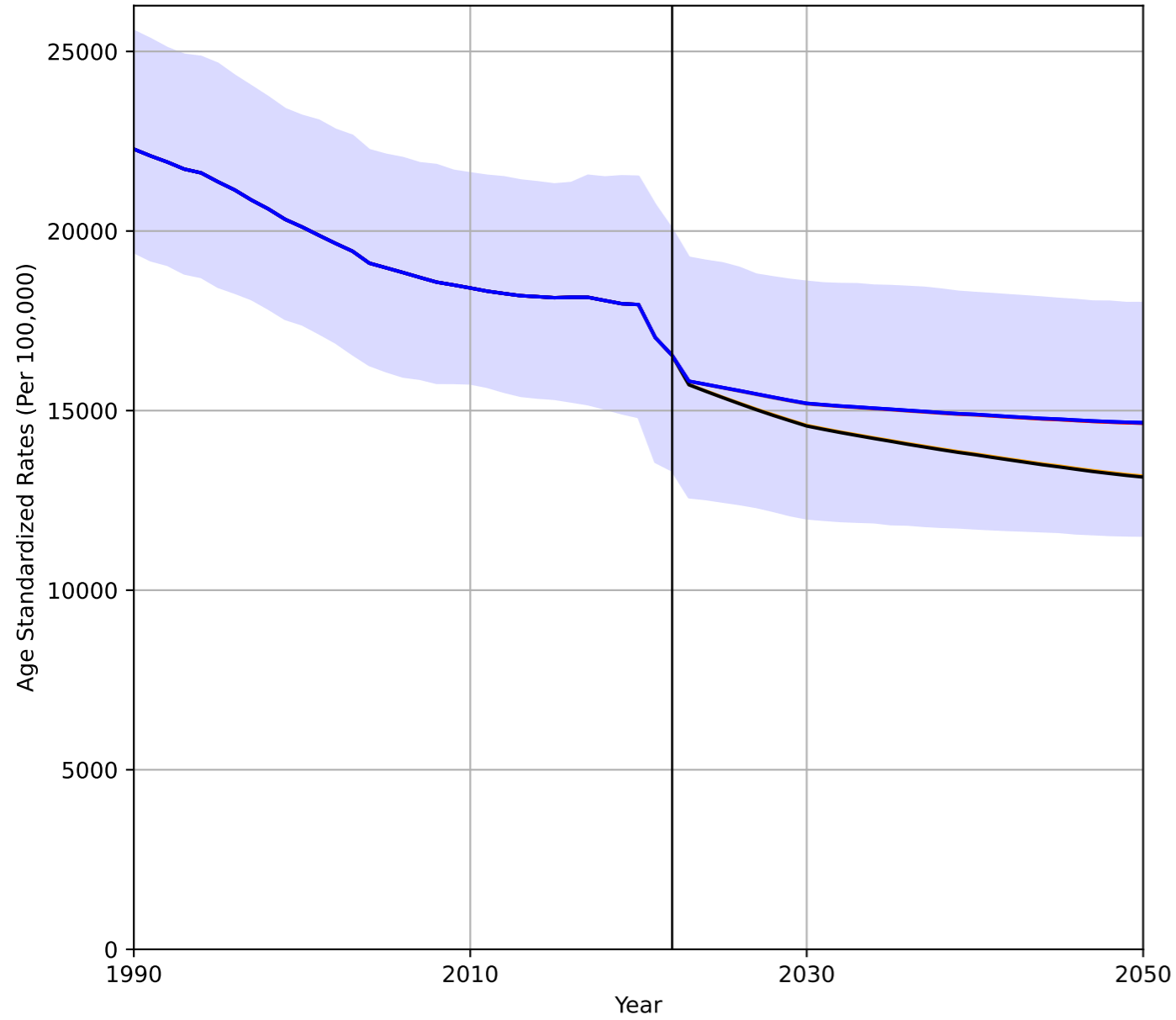
1470



# San Marino

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1471

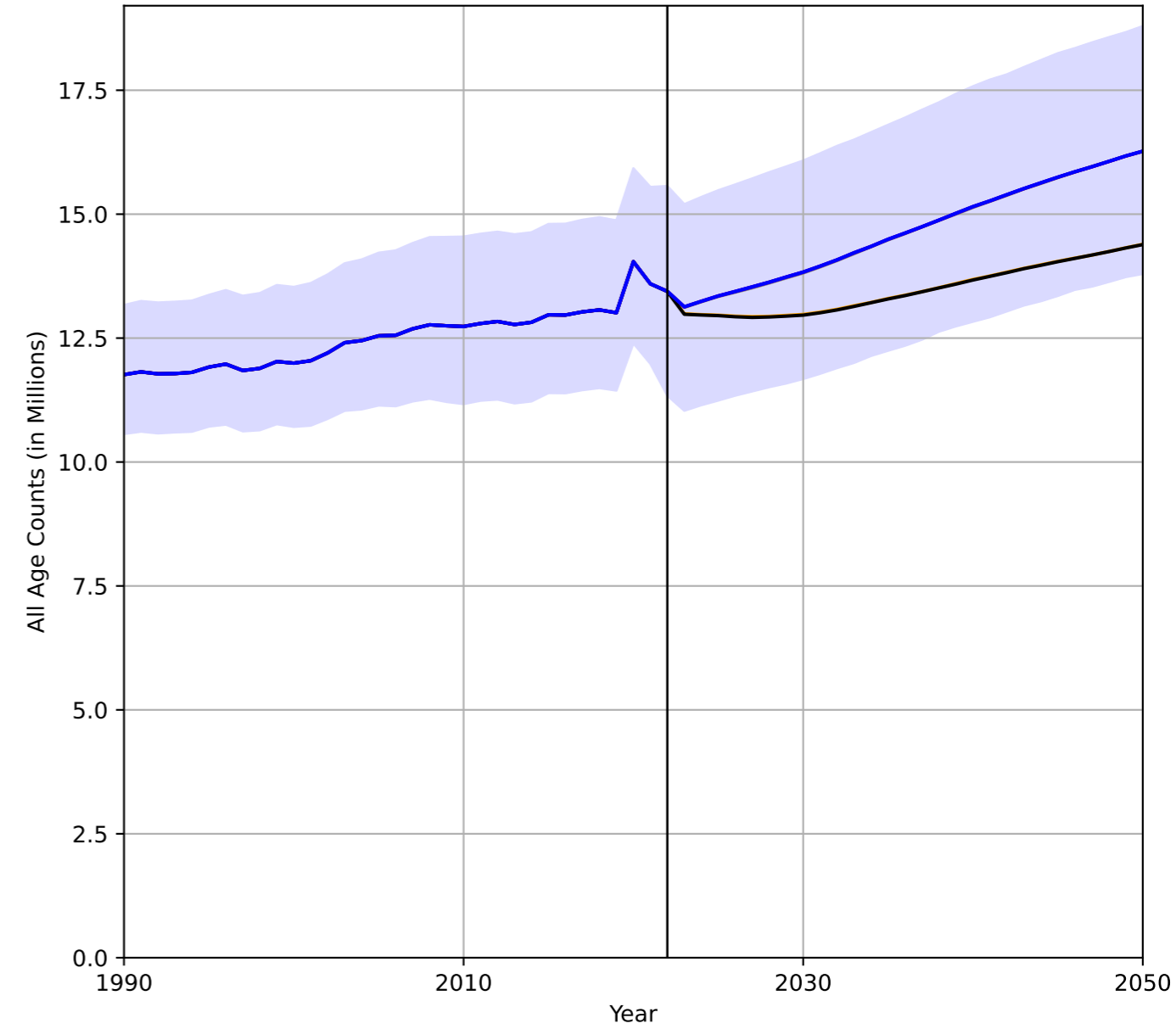
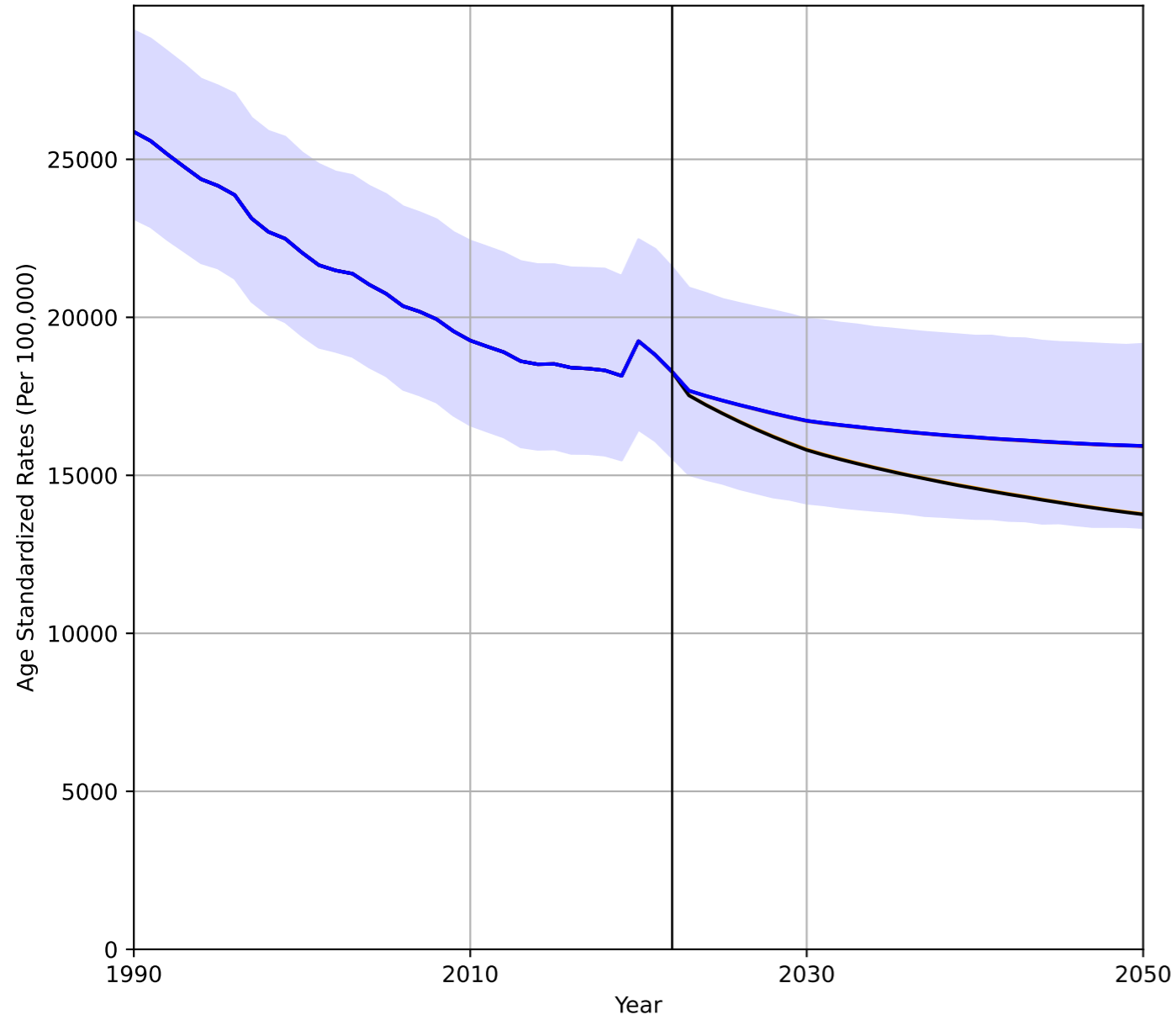




# Spain

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

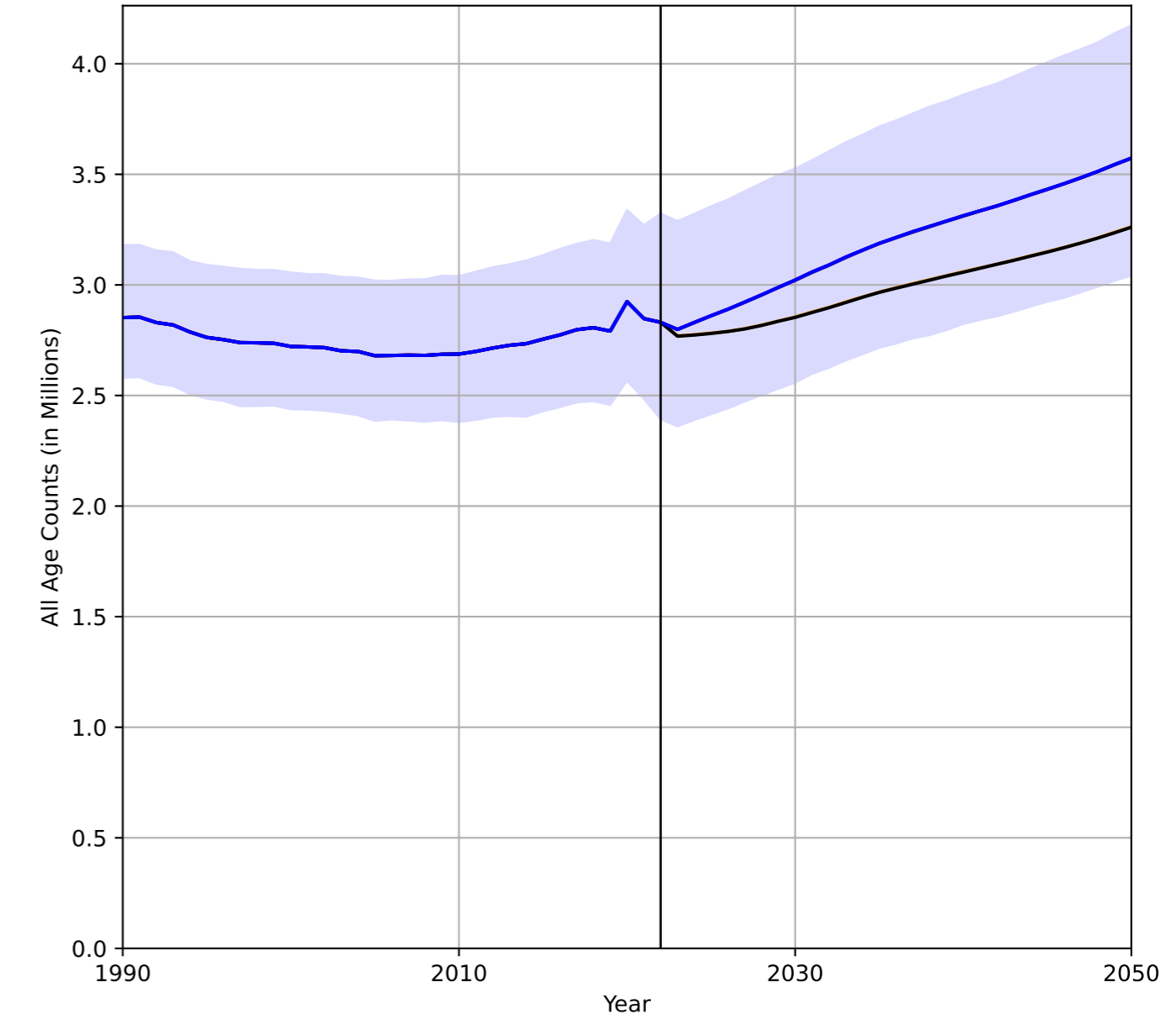
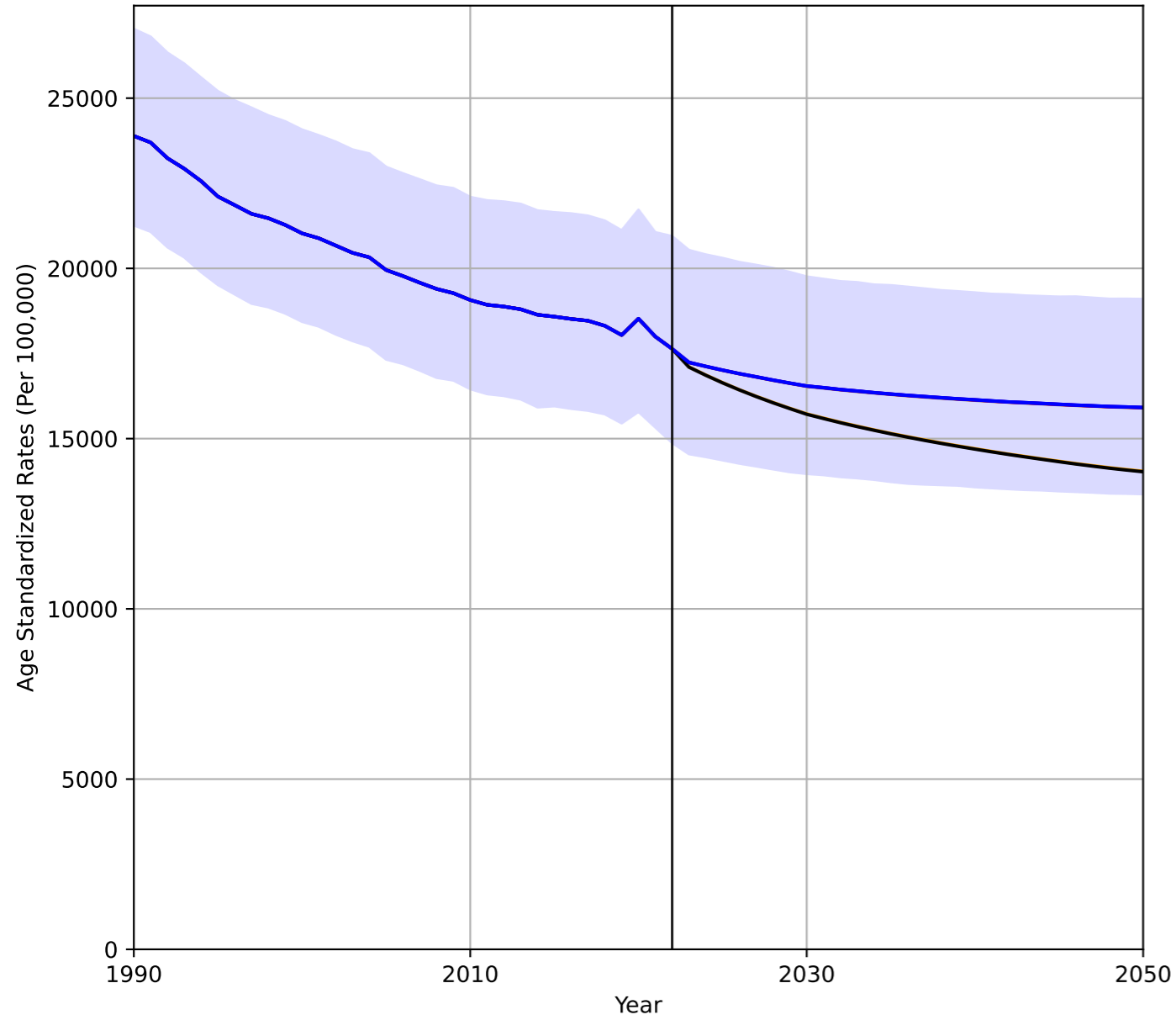
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# Sweden

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

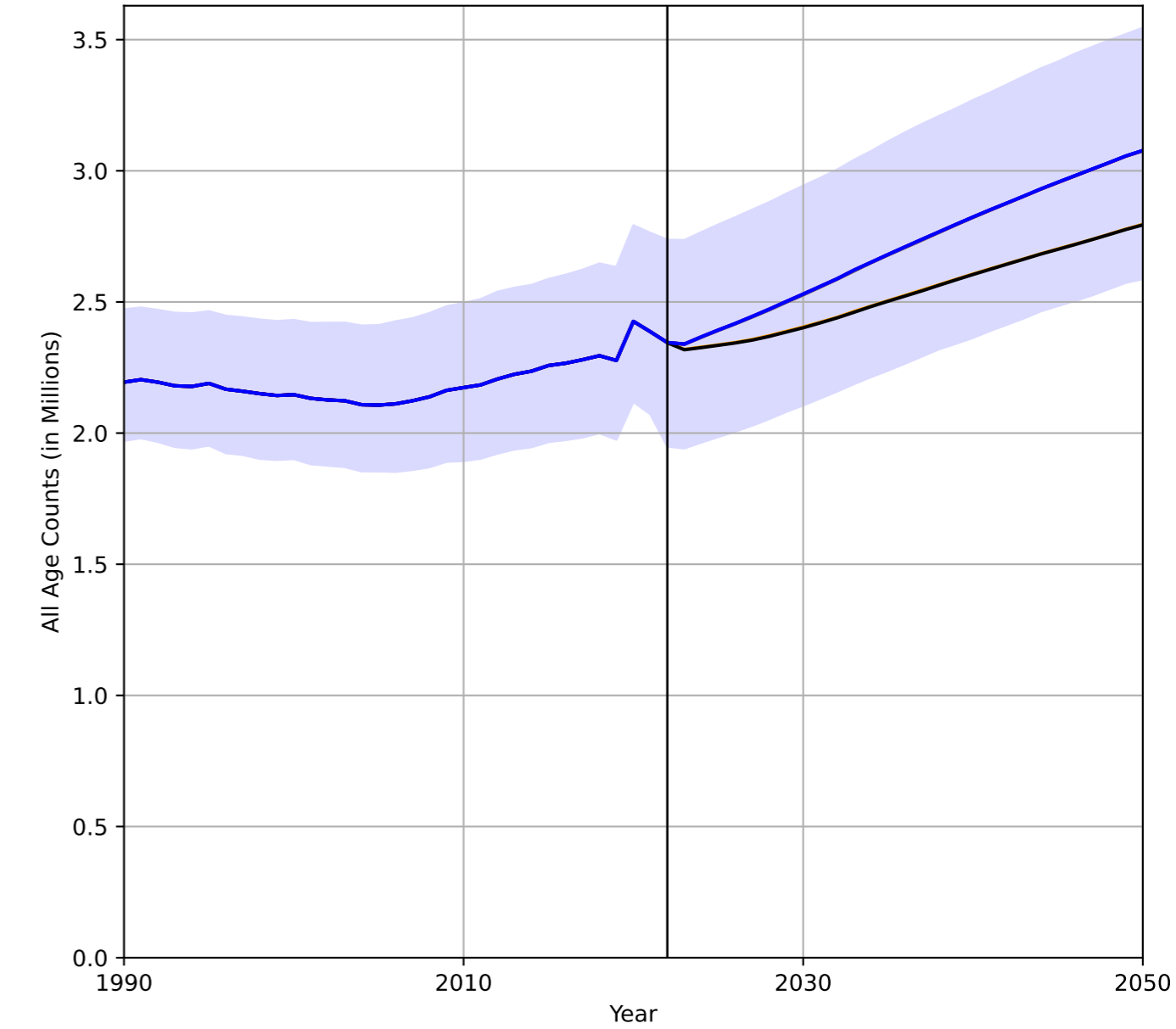
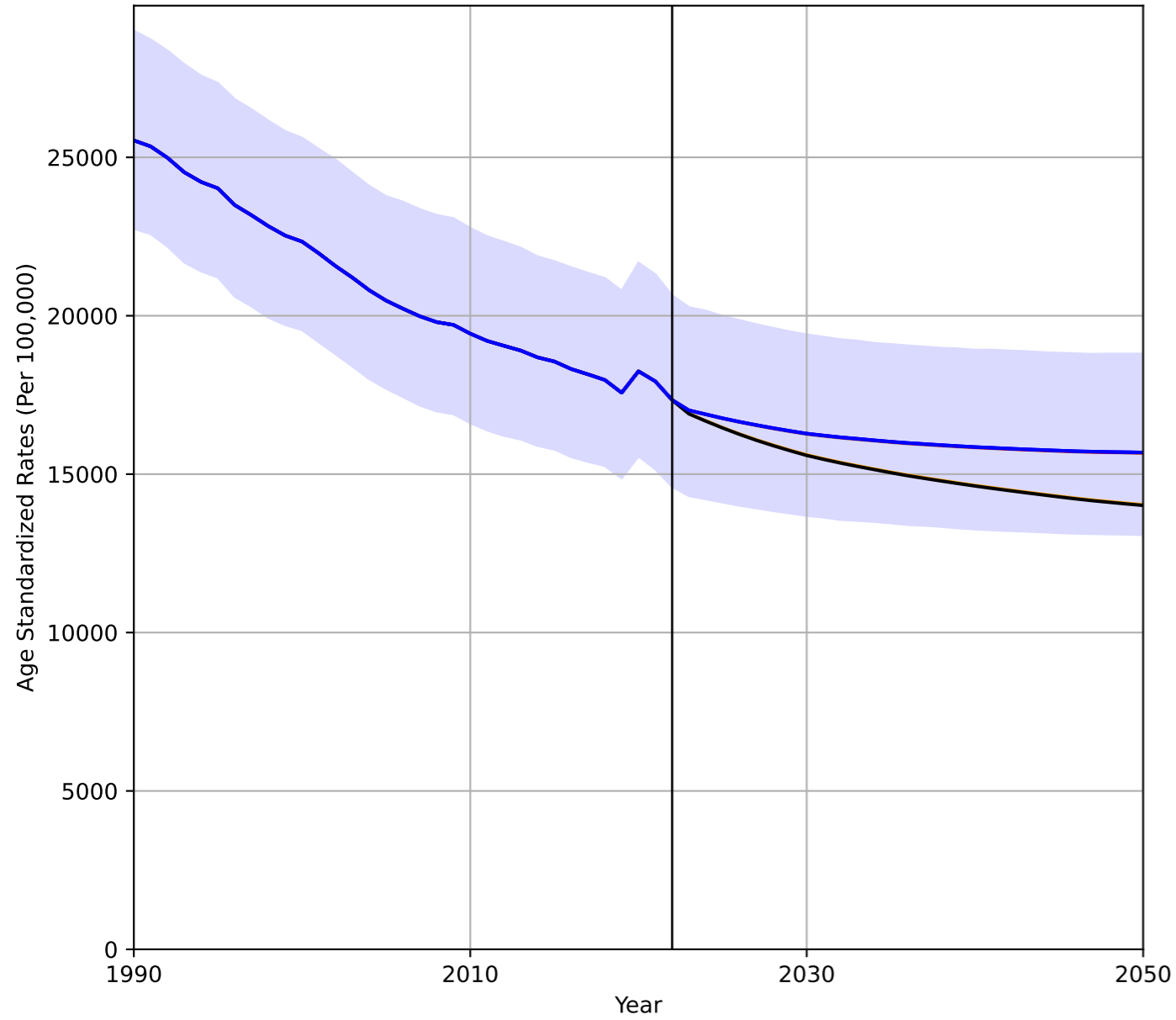
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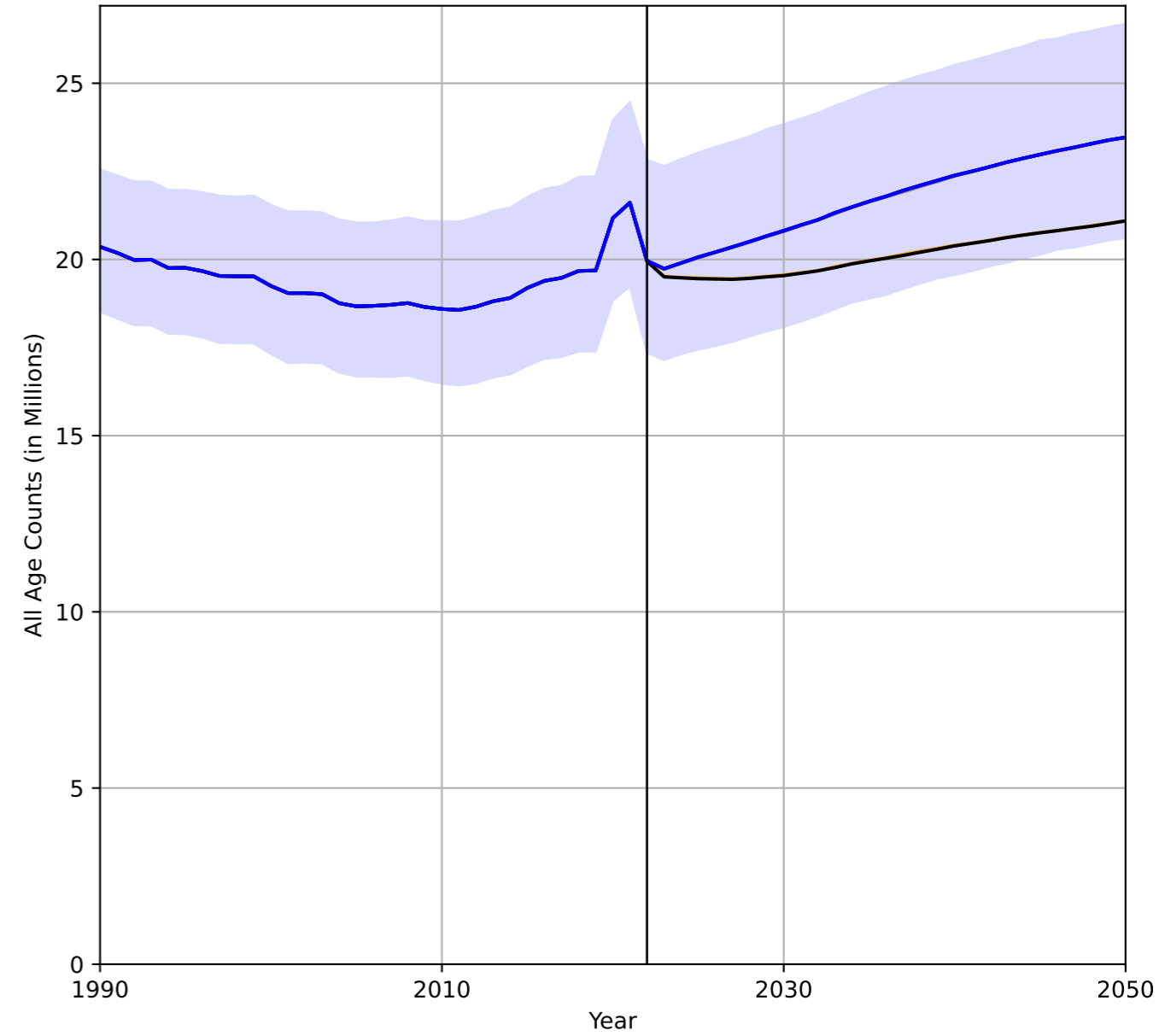
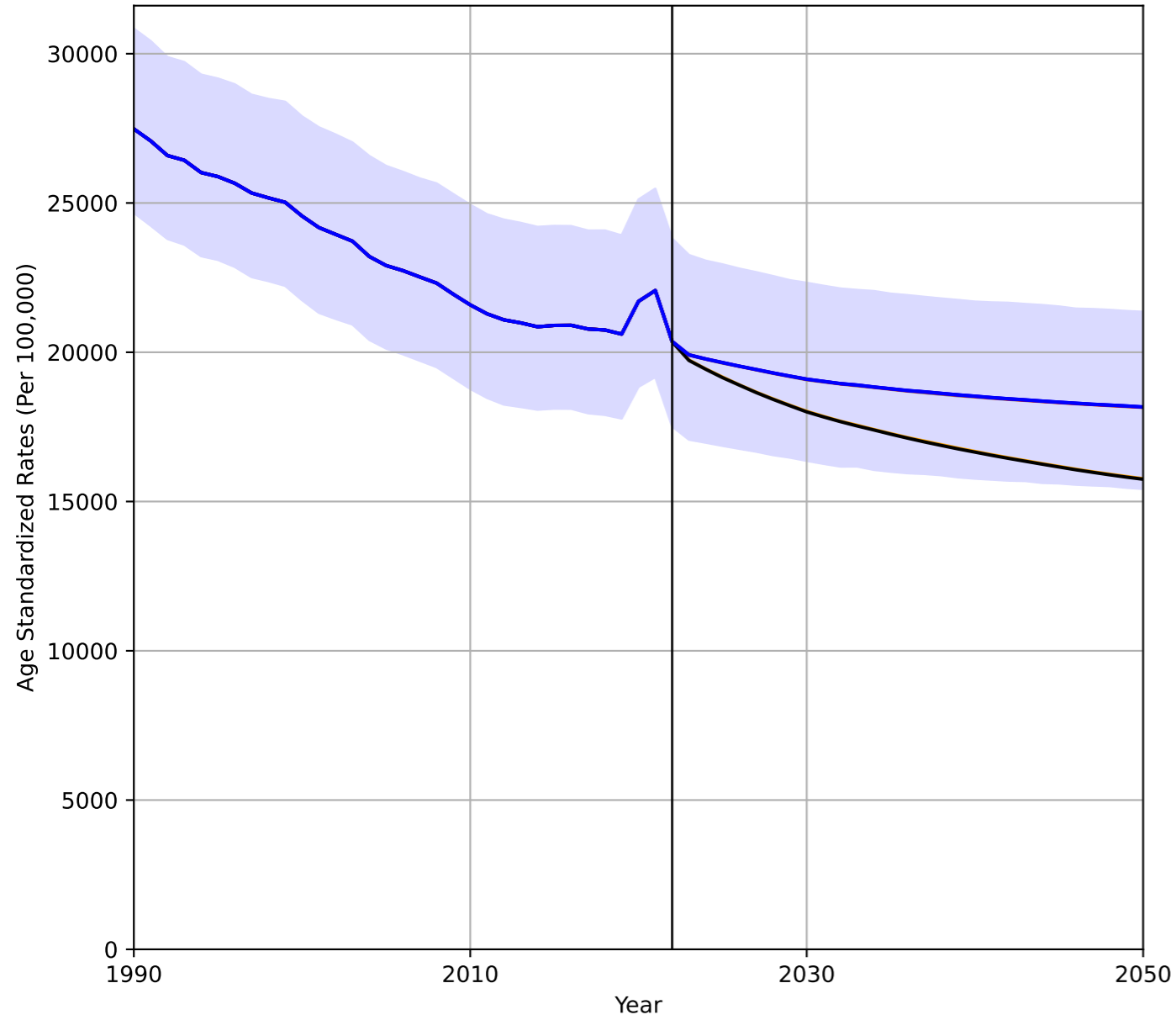
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Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1474



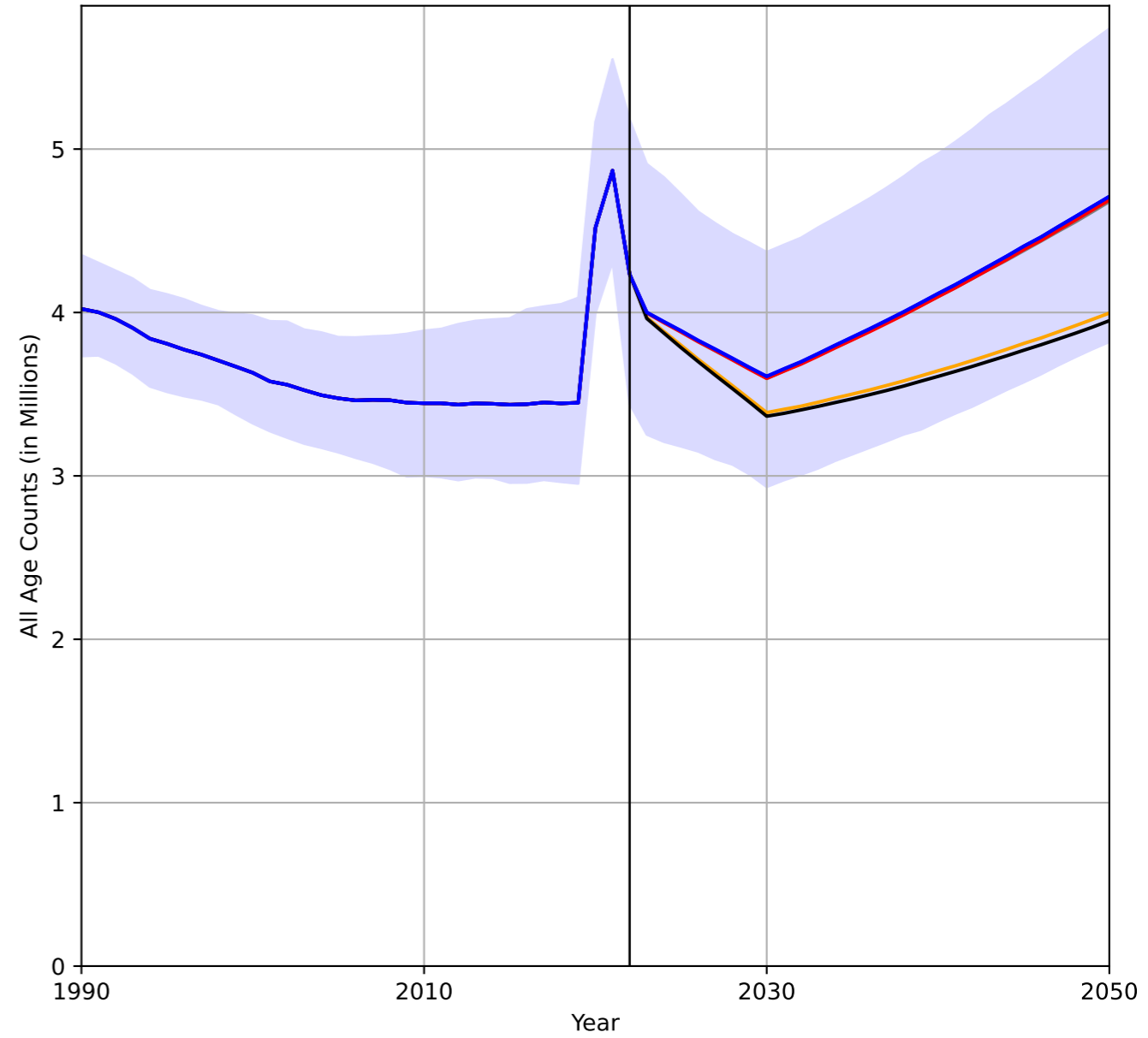
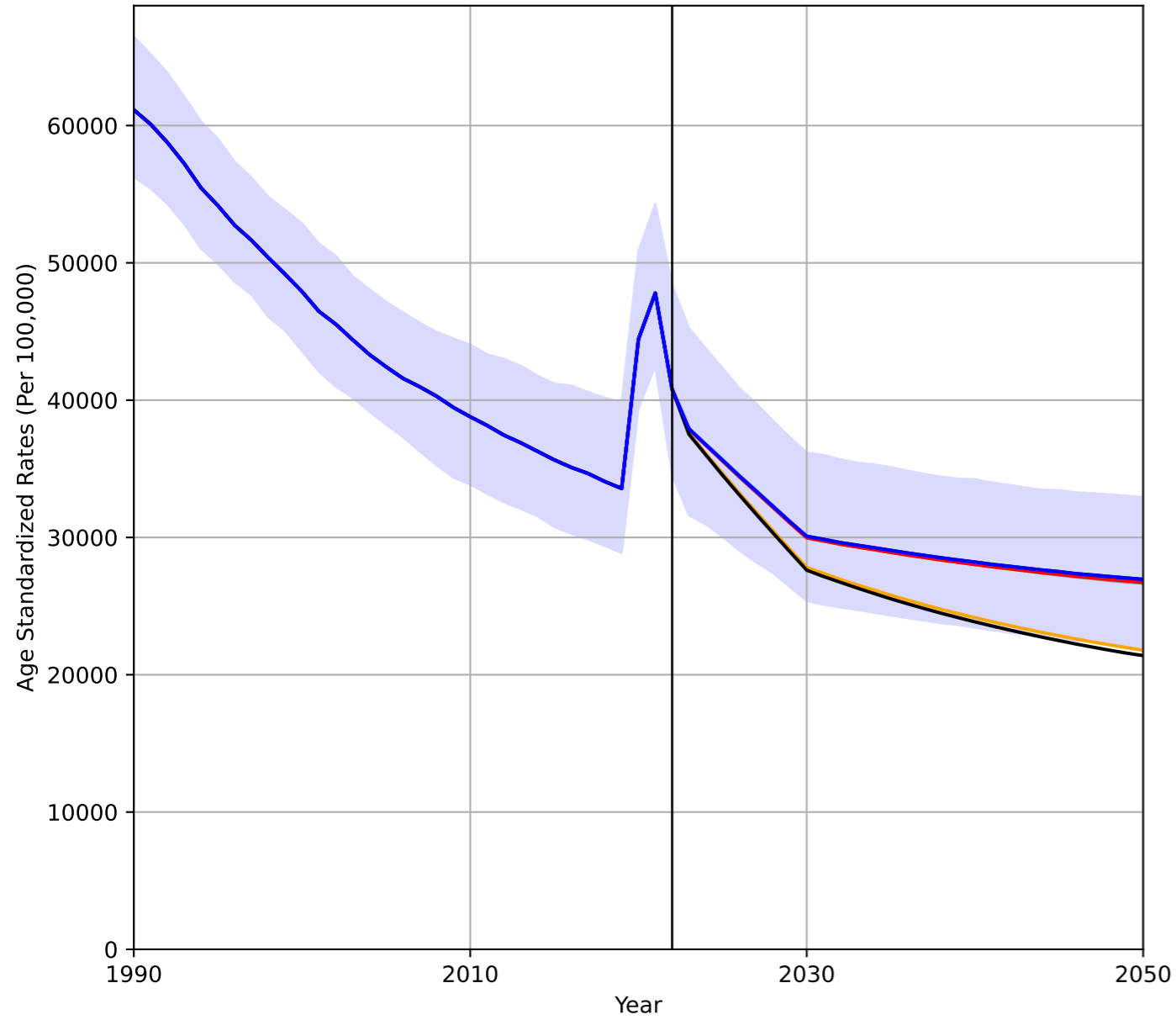
# UK



# Bolivia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

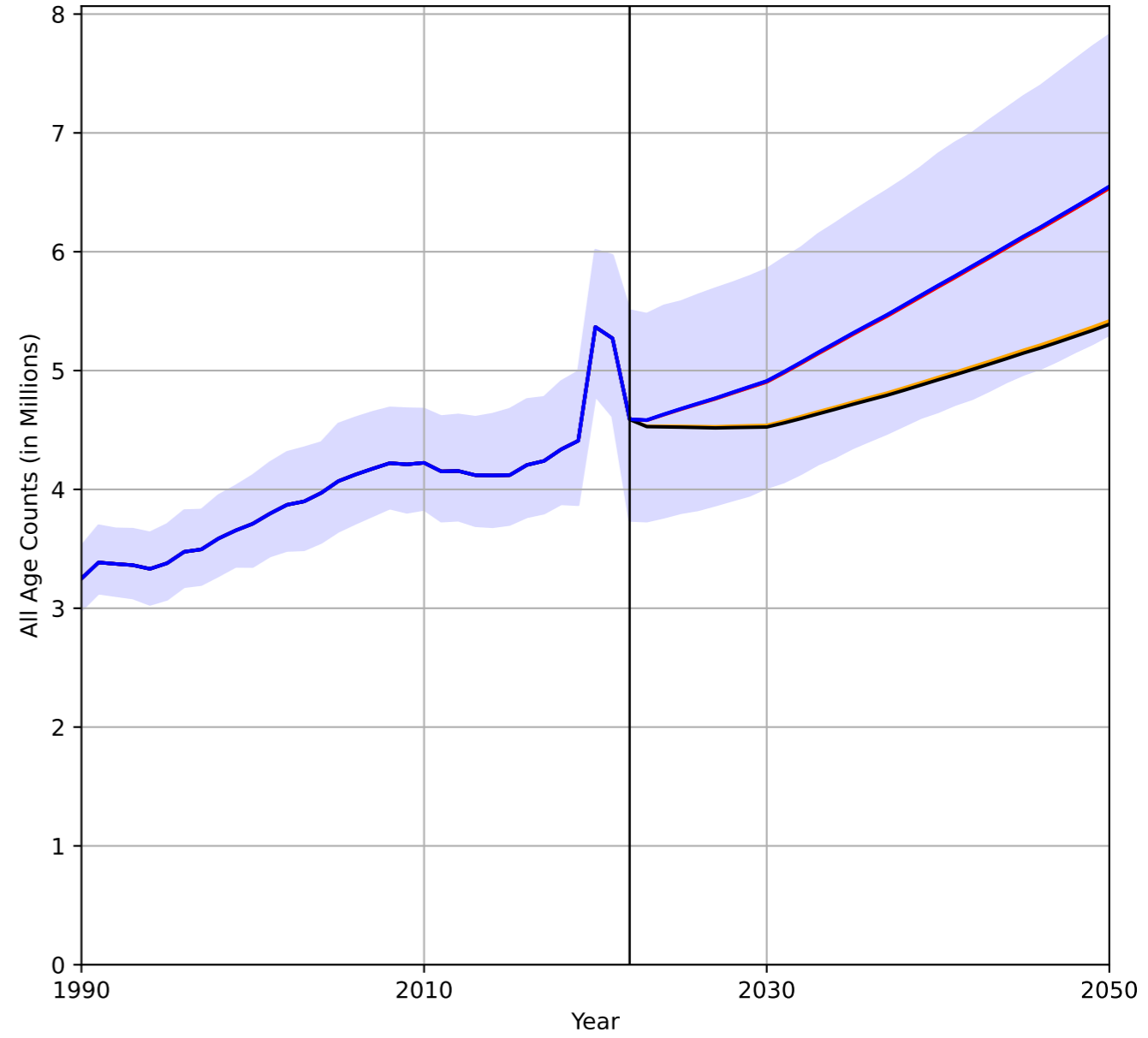
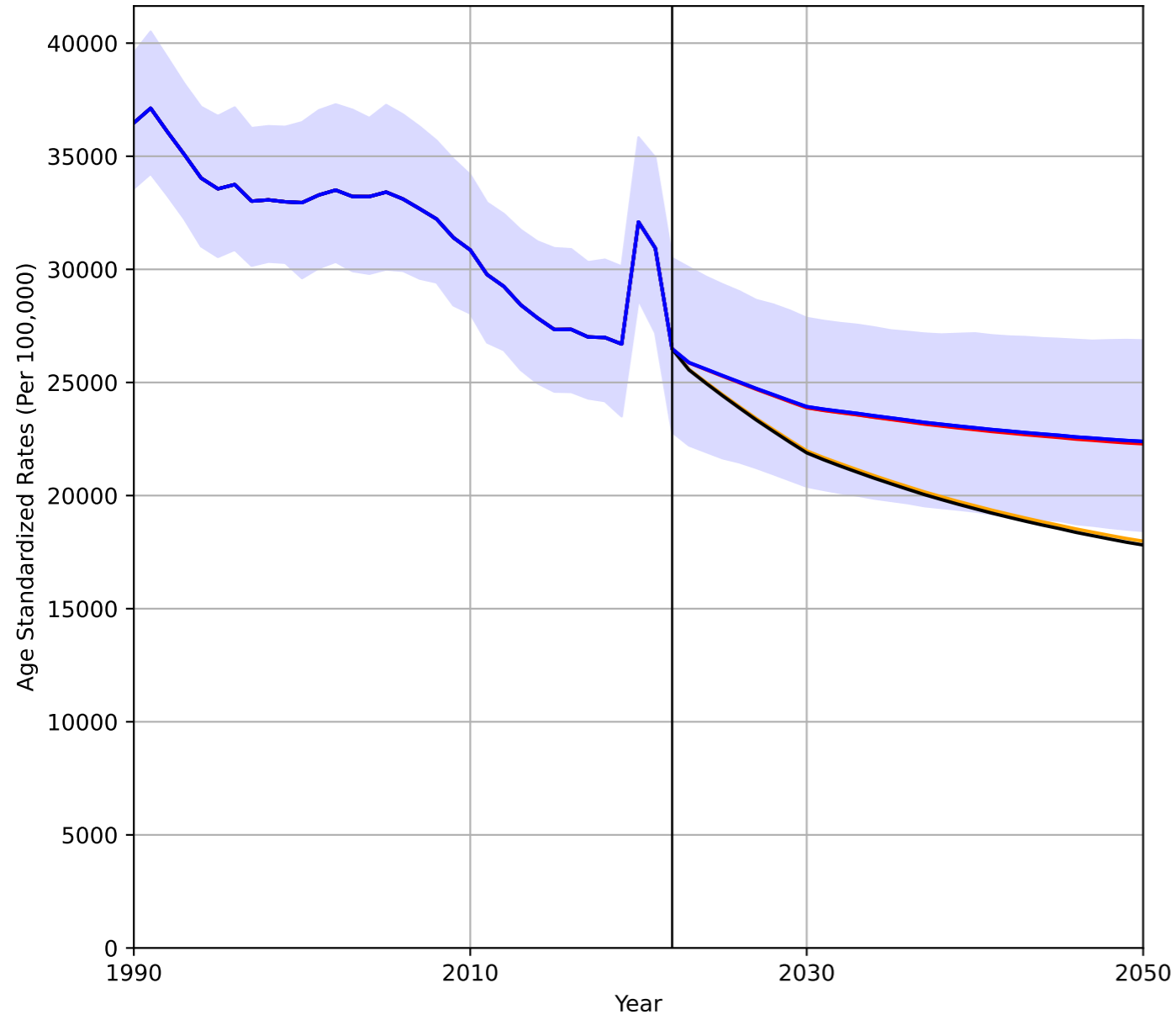
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# Ecuador

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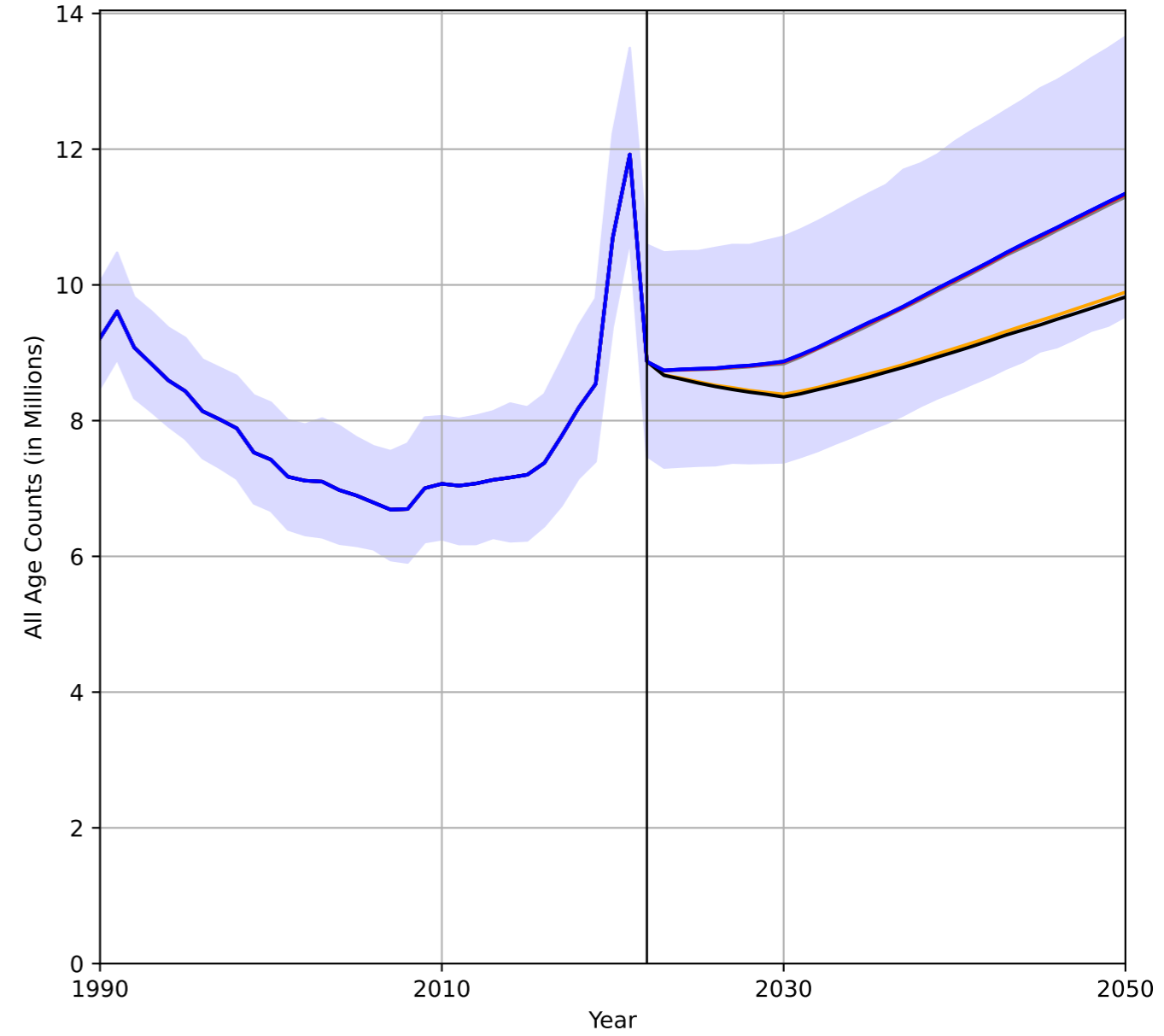
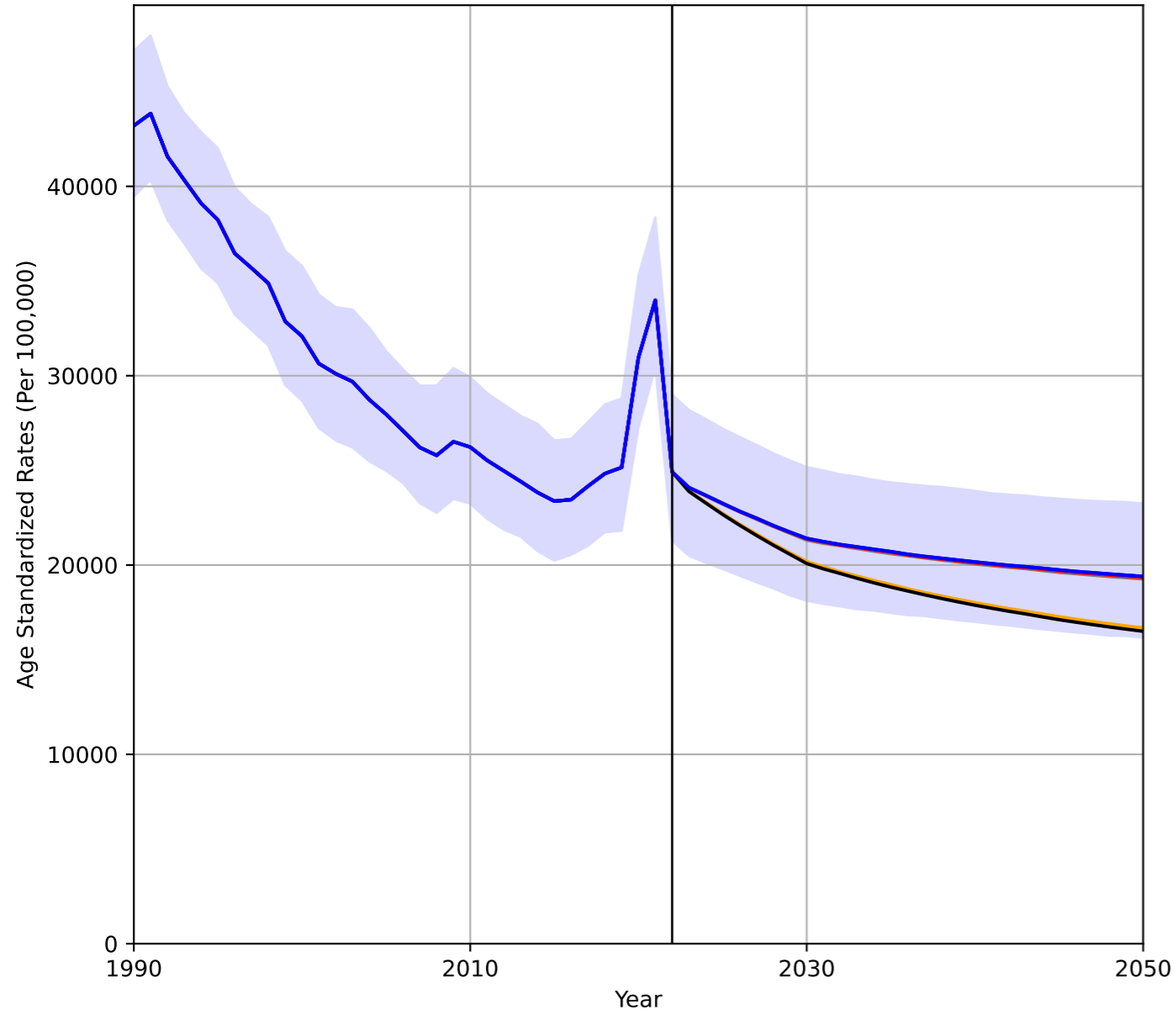
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# Peru

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

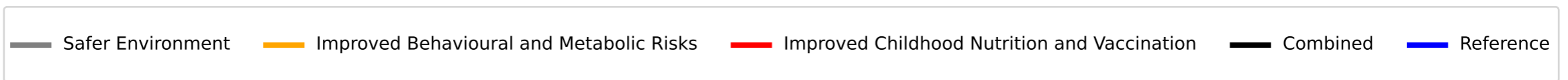
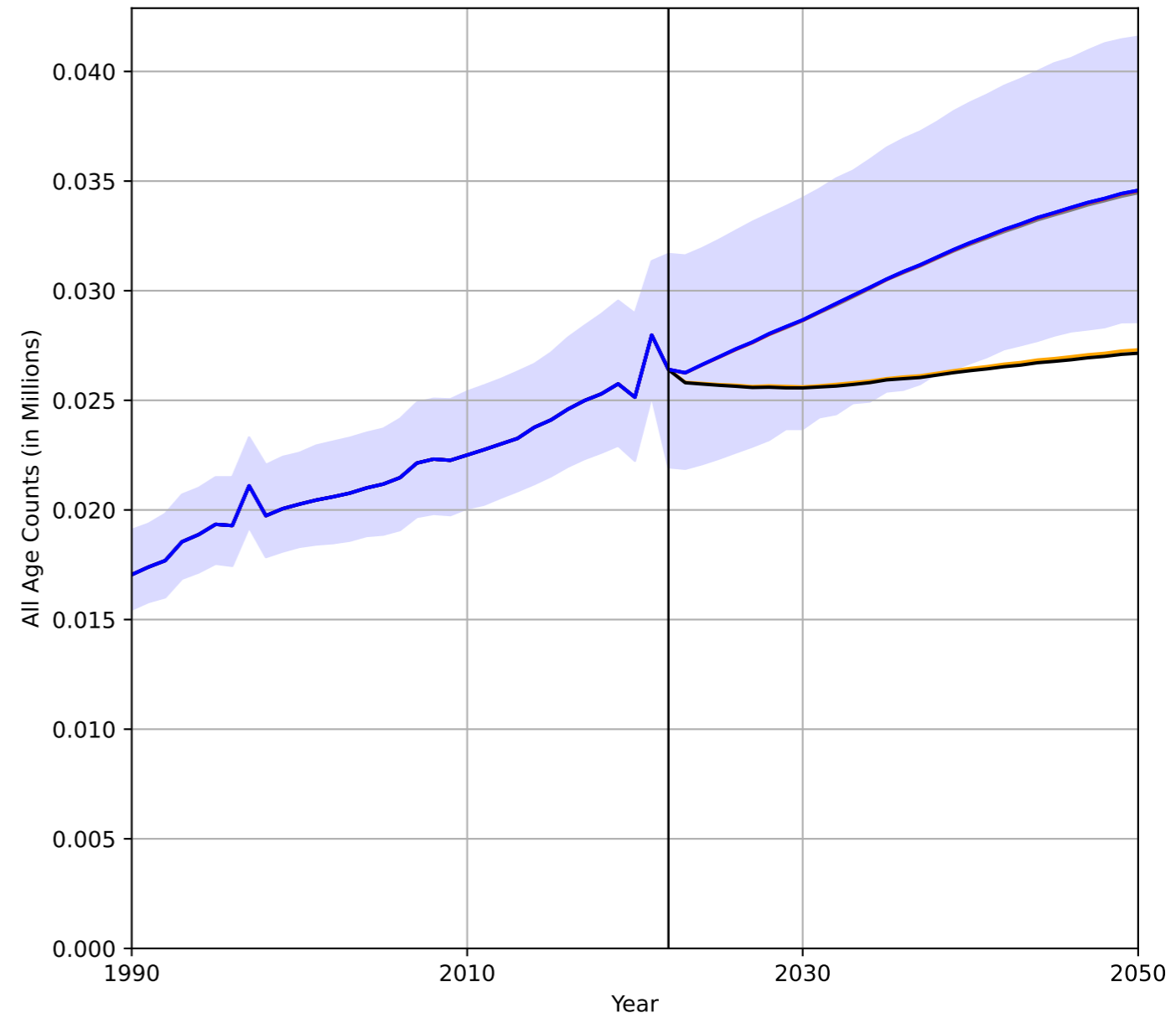
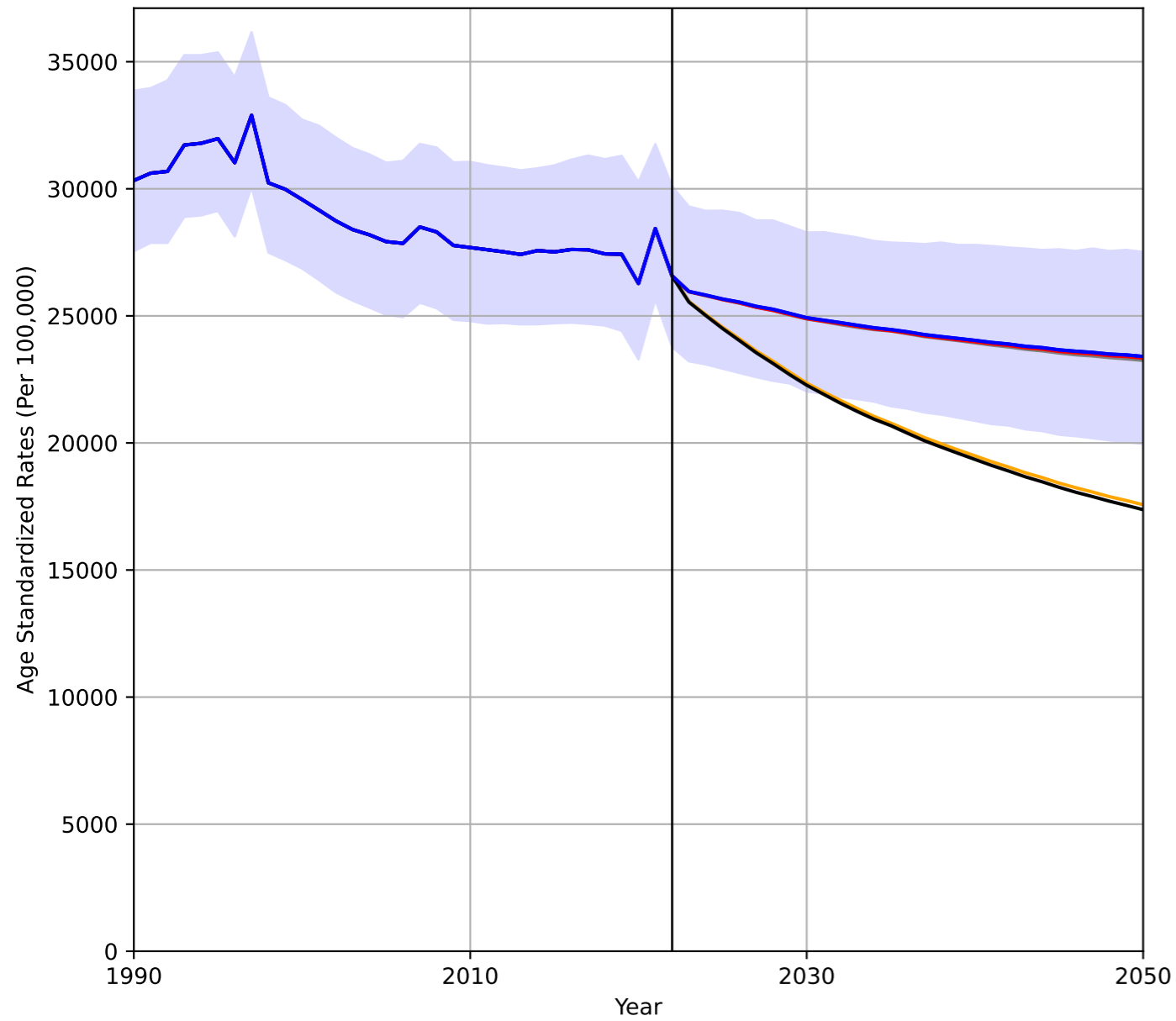
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# Antigua And Barbuda

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1479

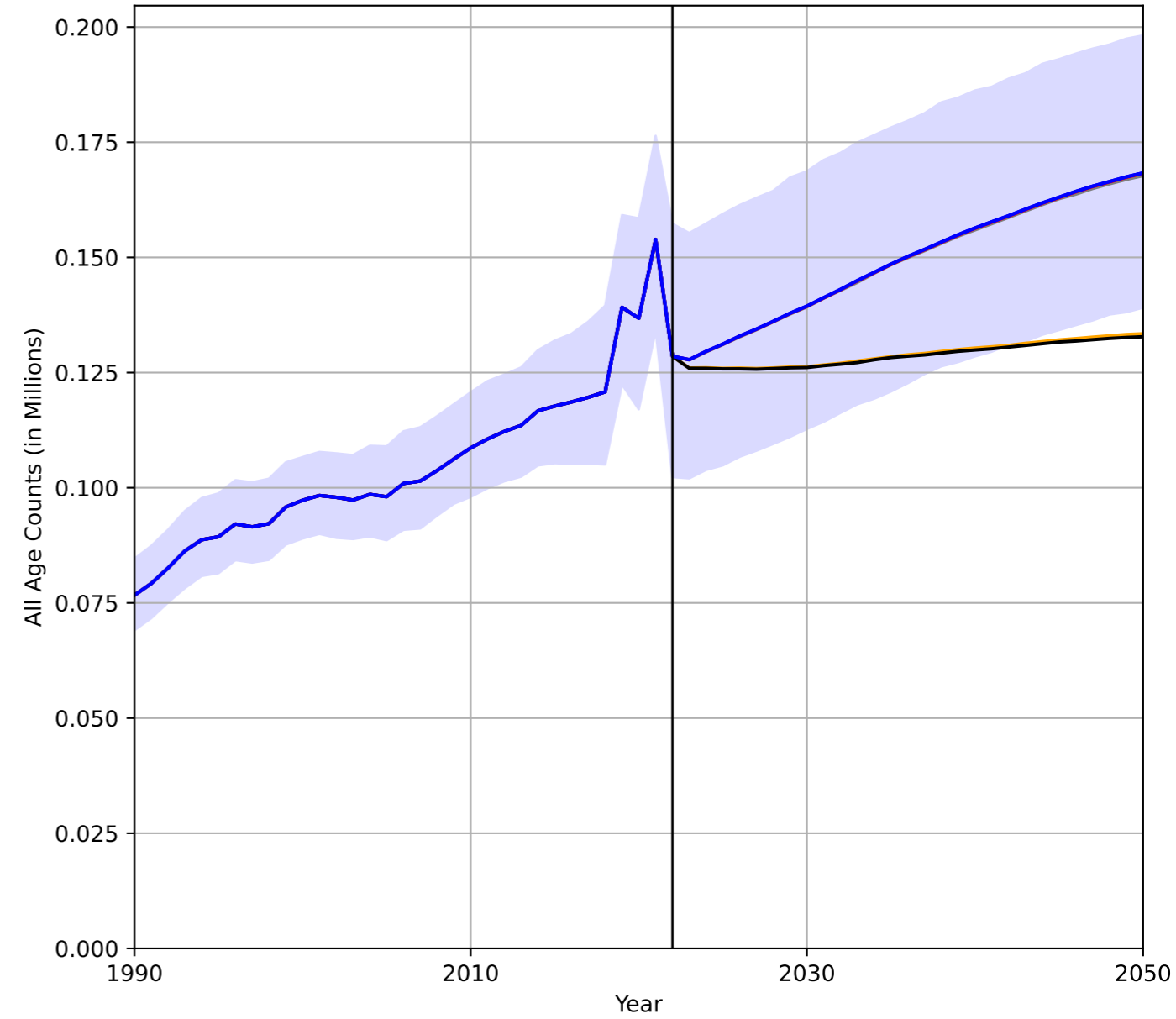
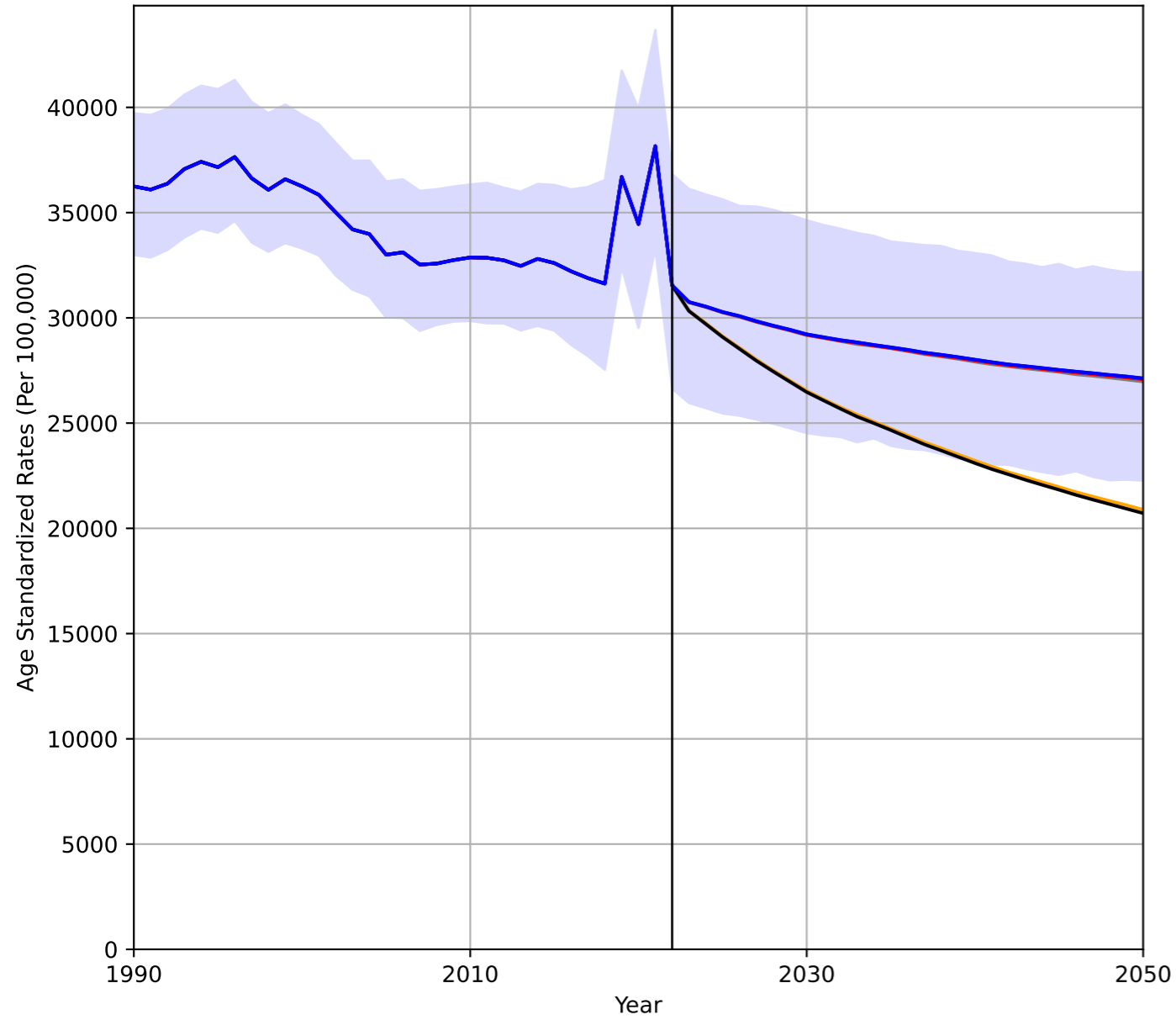




# The Bahamas

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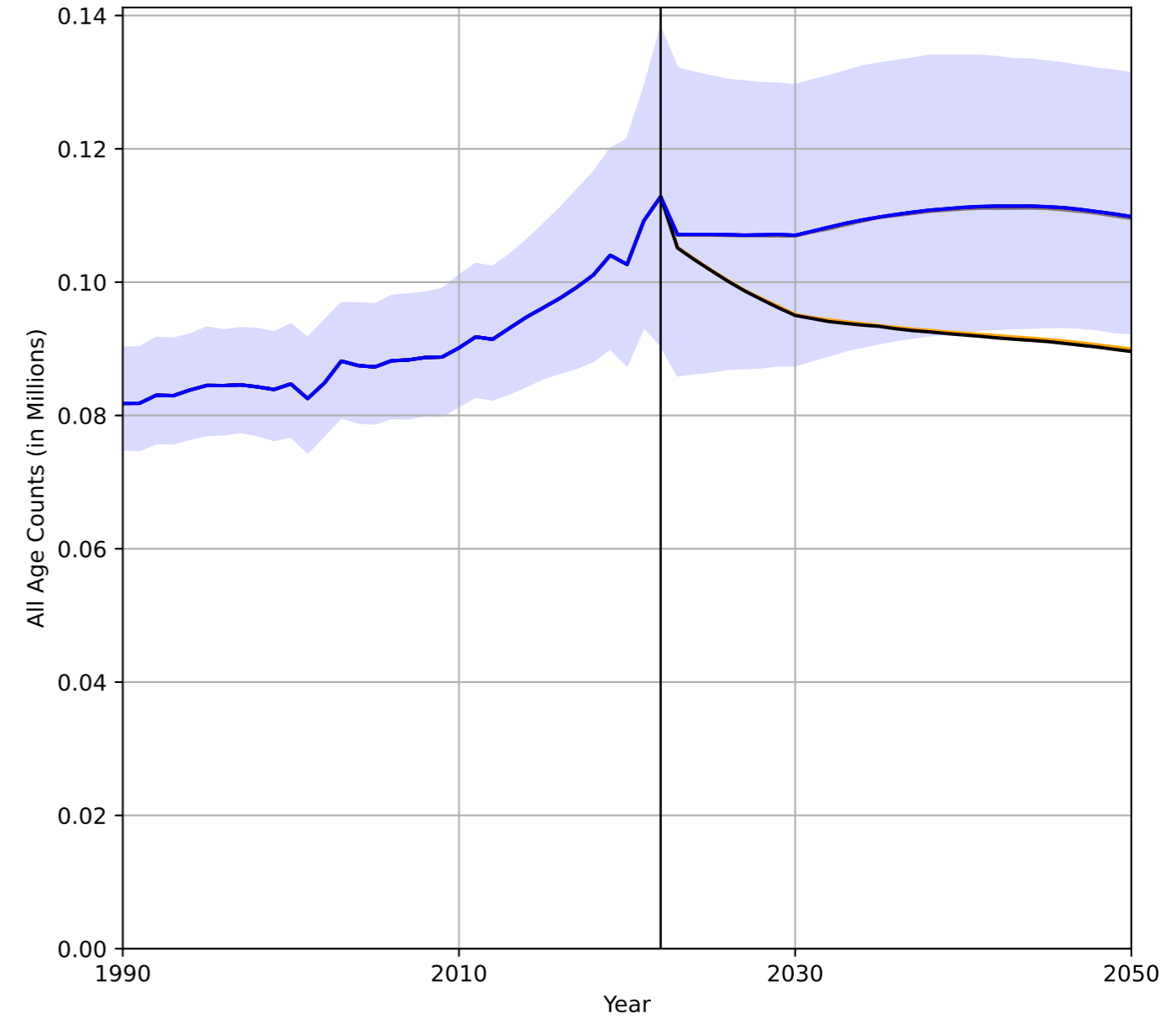
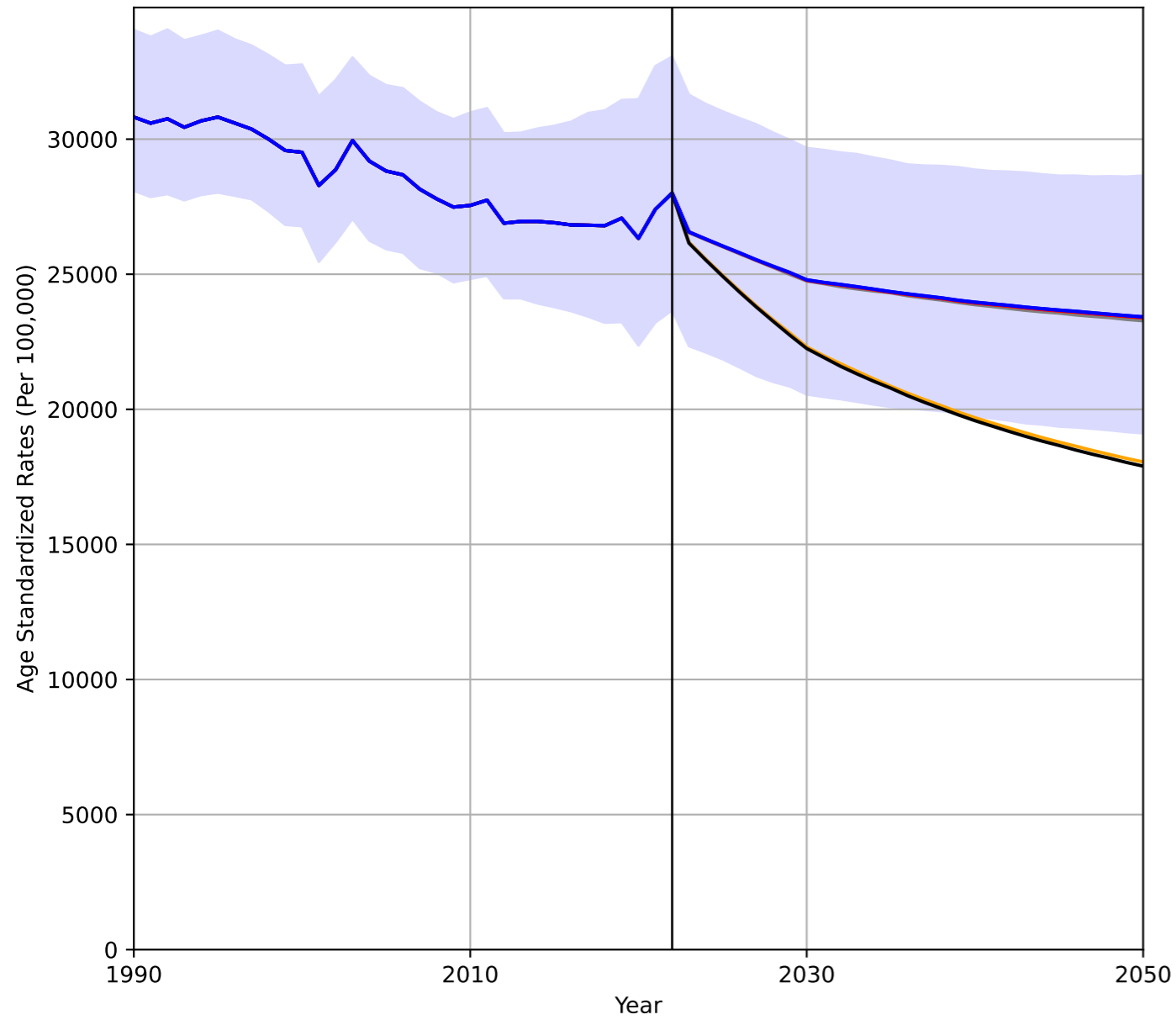
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# Barbados

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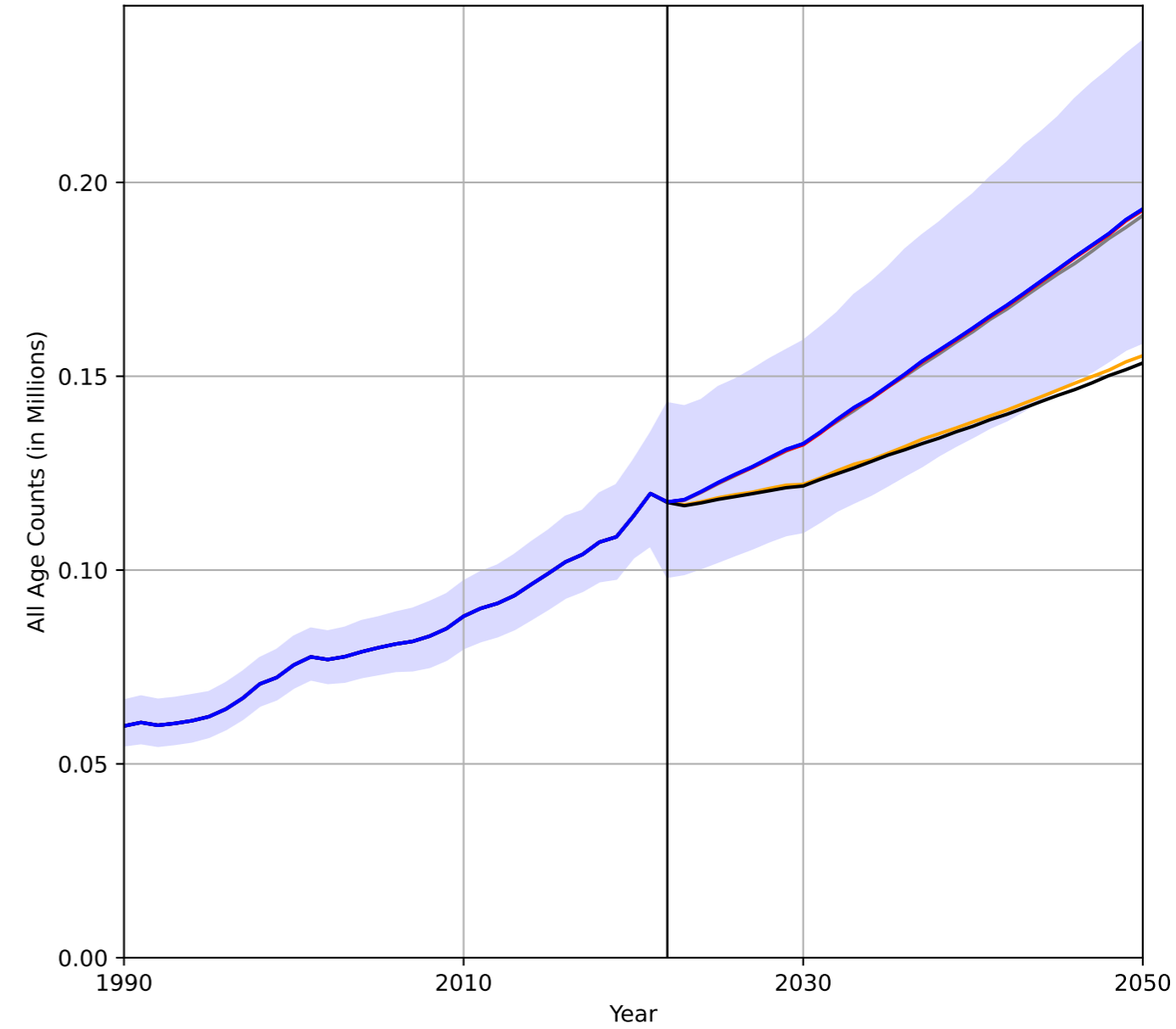
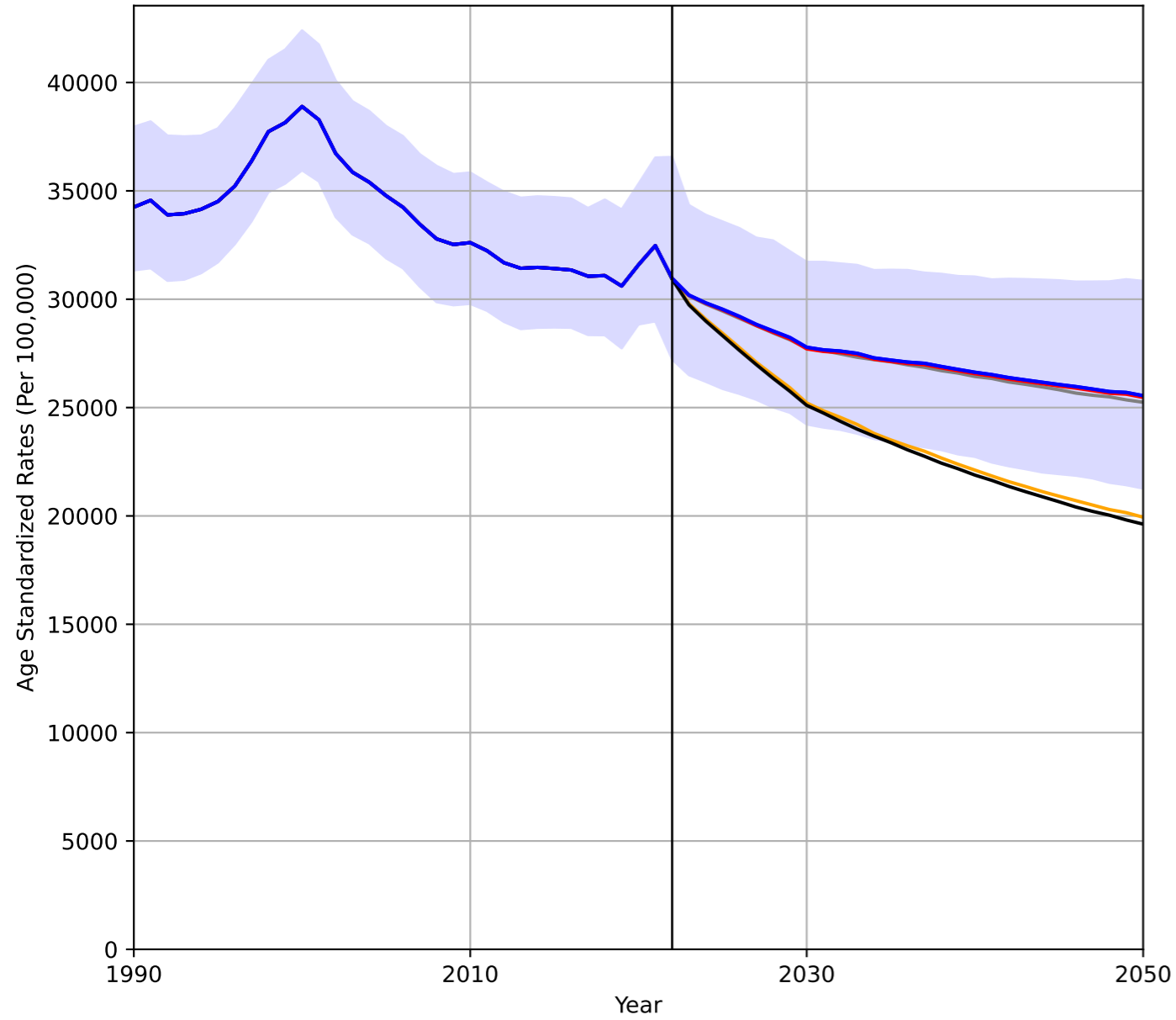
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# Belize

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

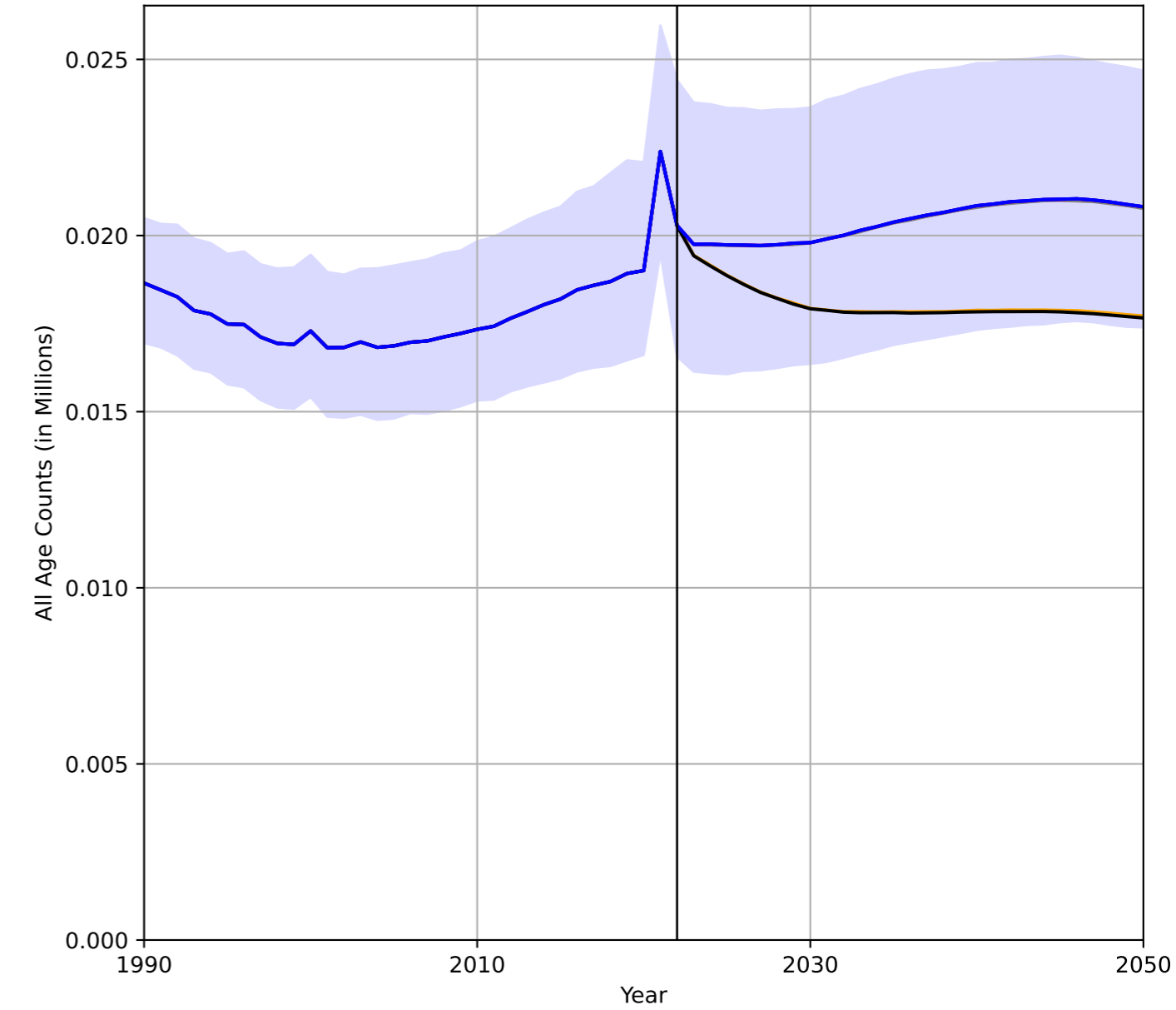
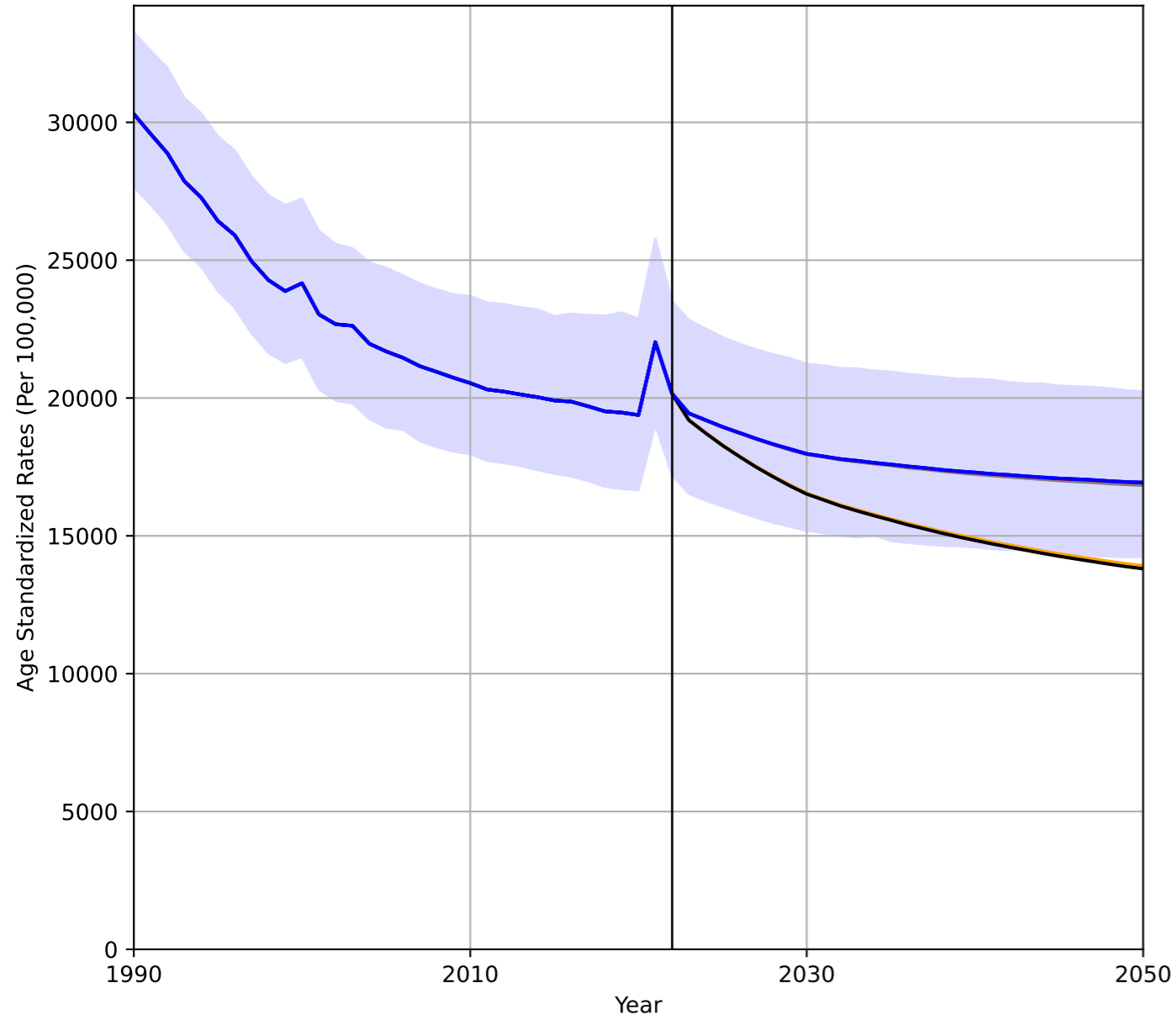
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# Bermuda

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

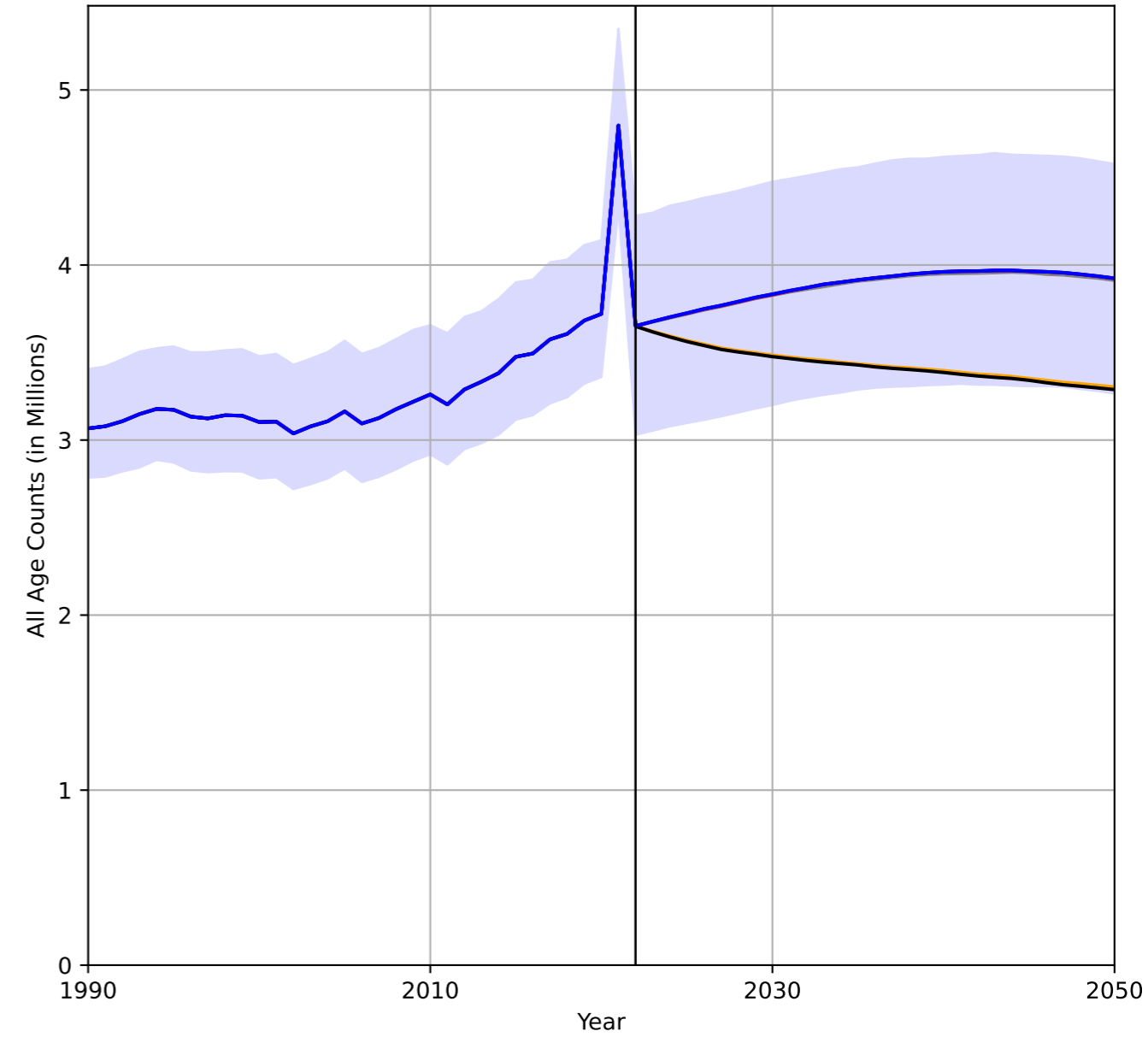
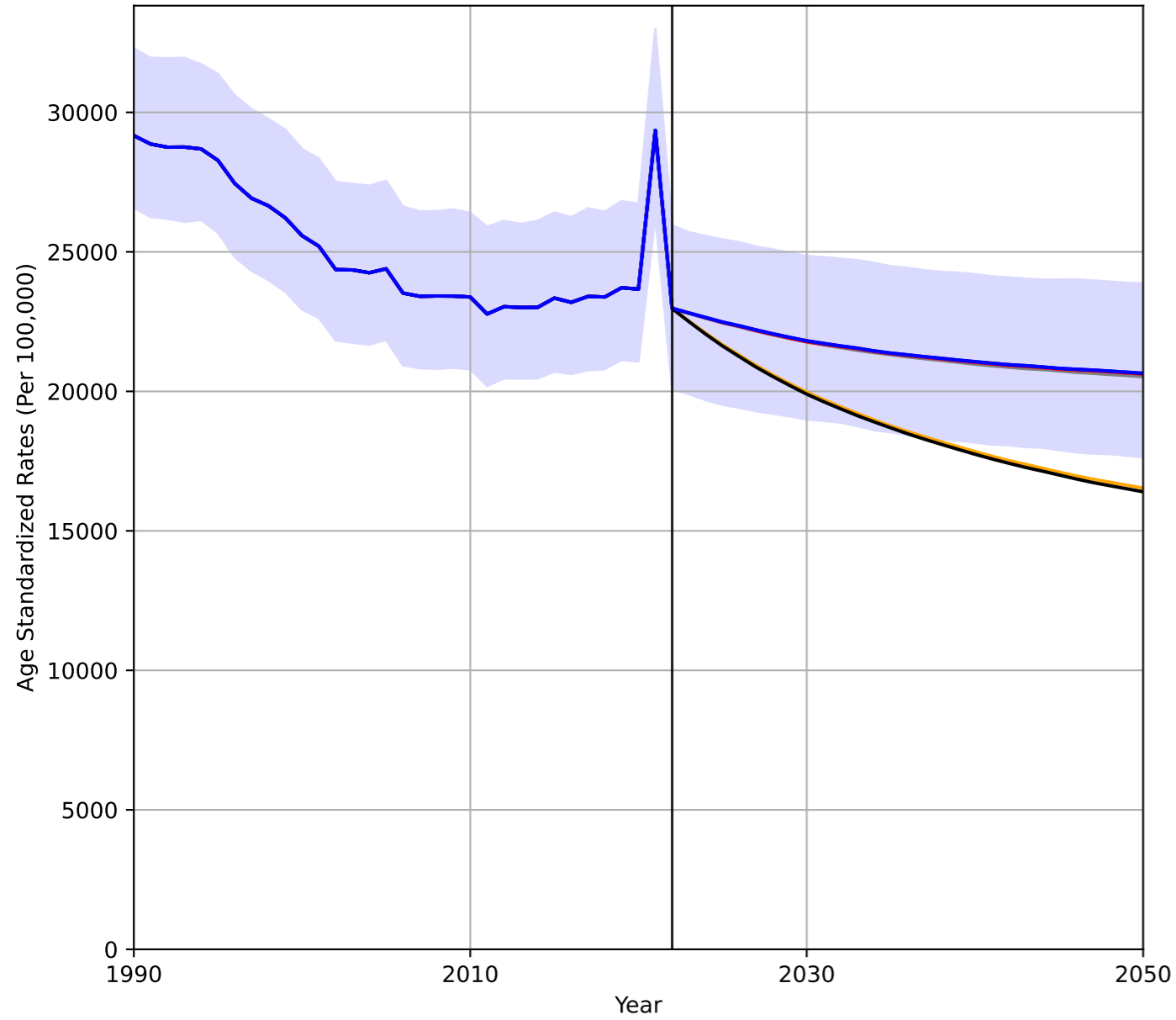
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# Cuba

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

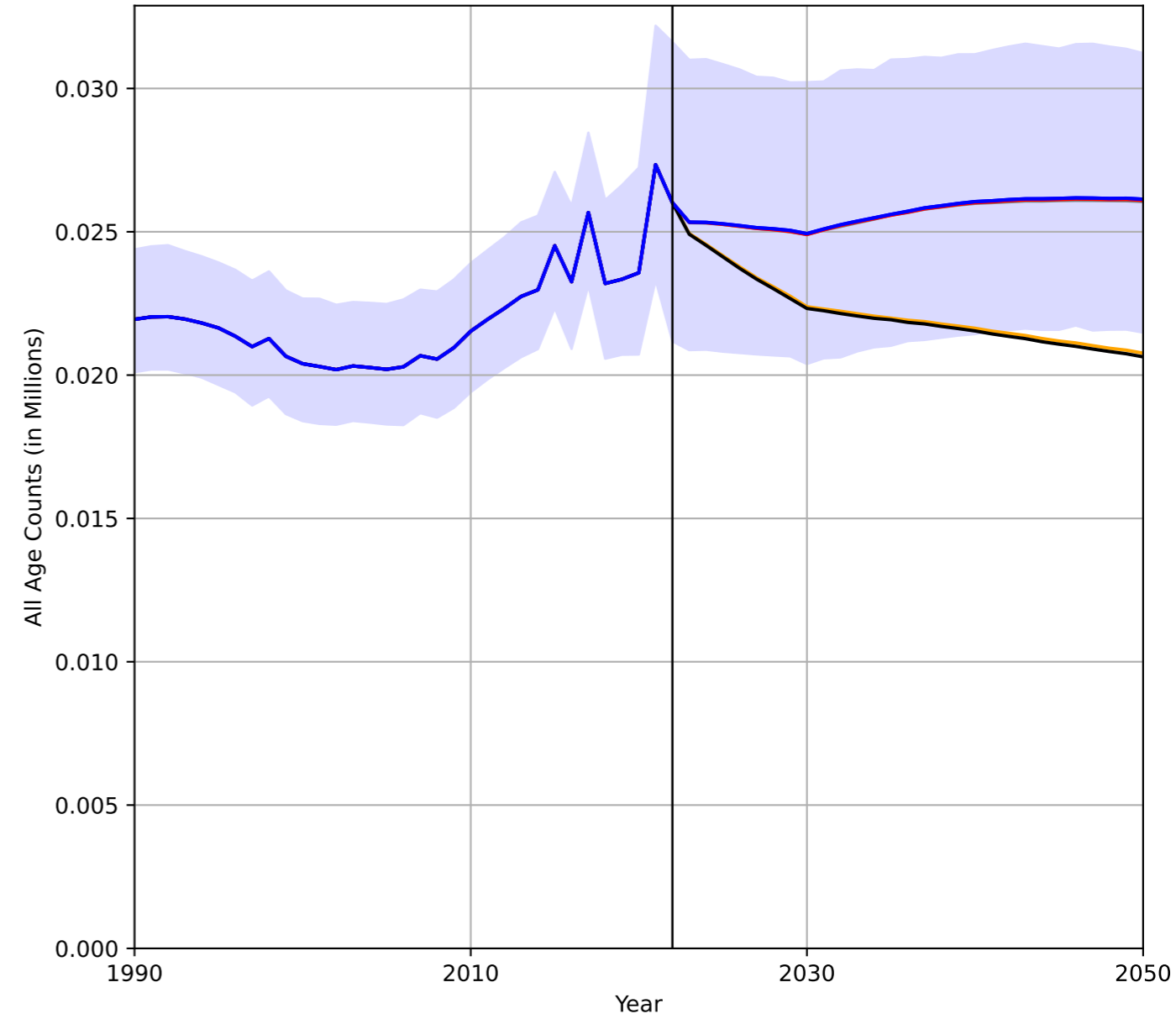
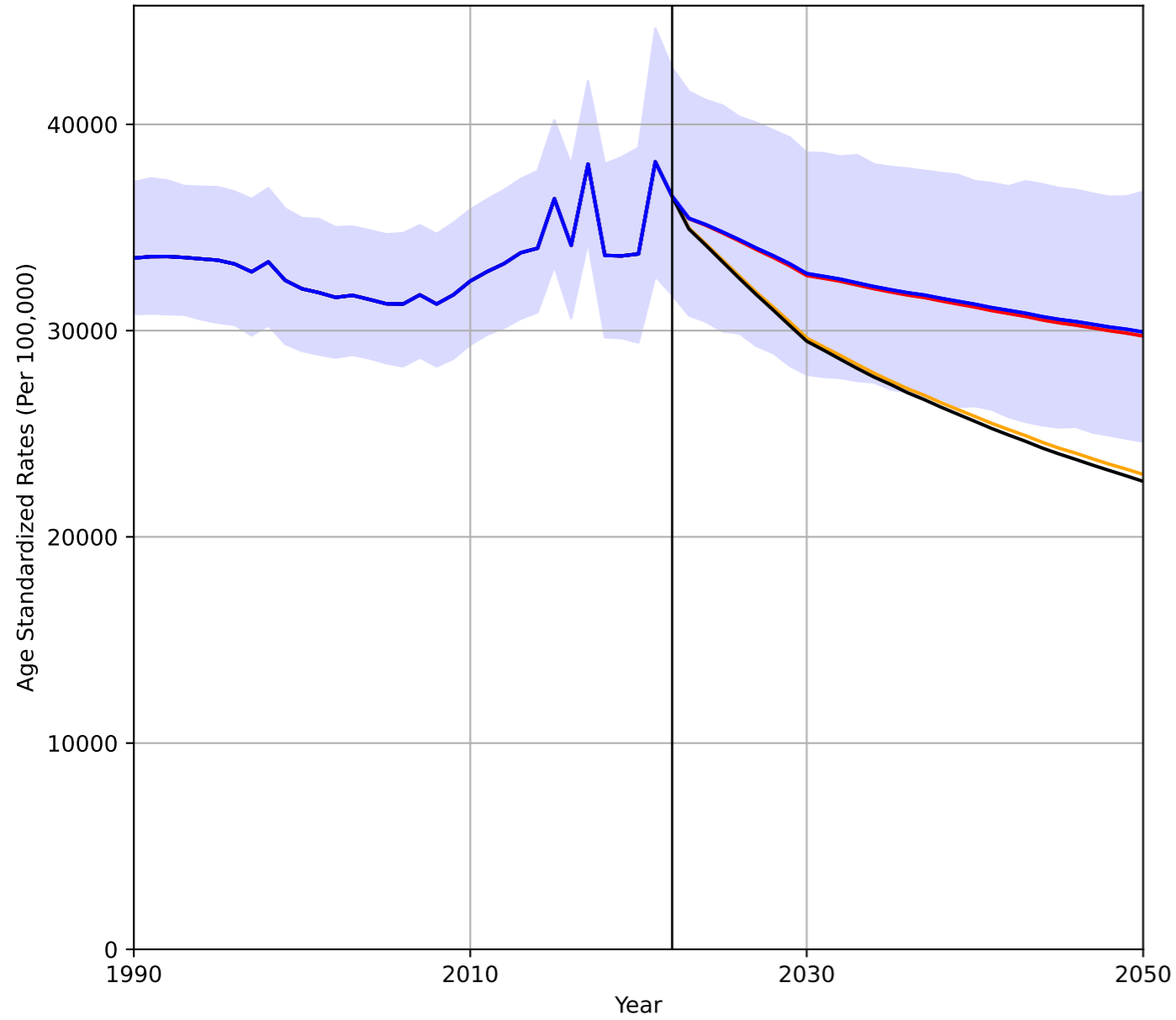
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# Dominica

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

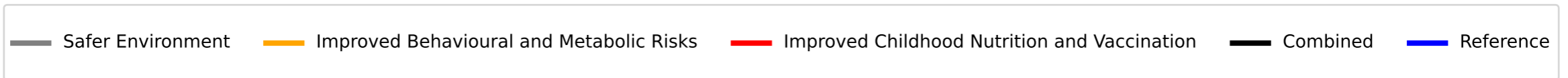
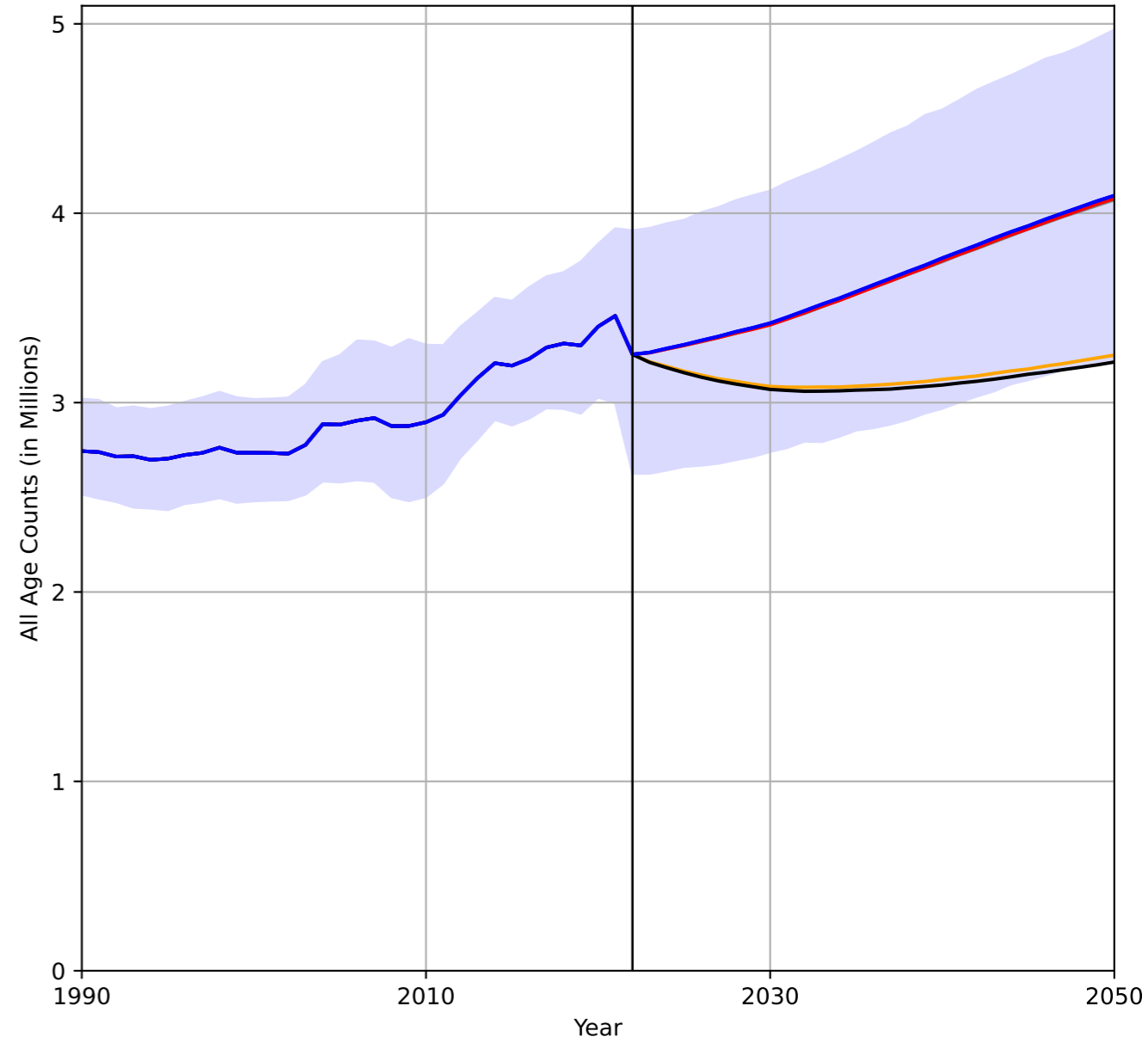
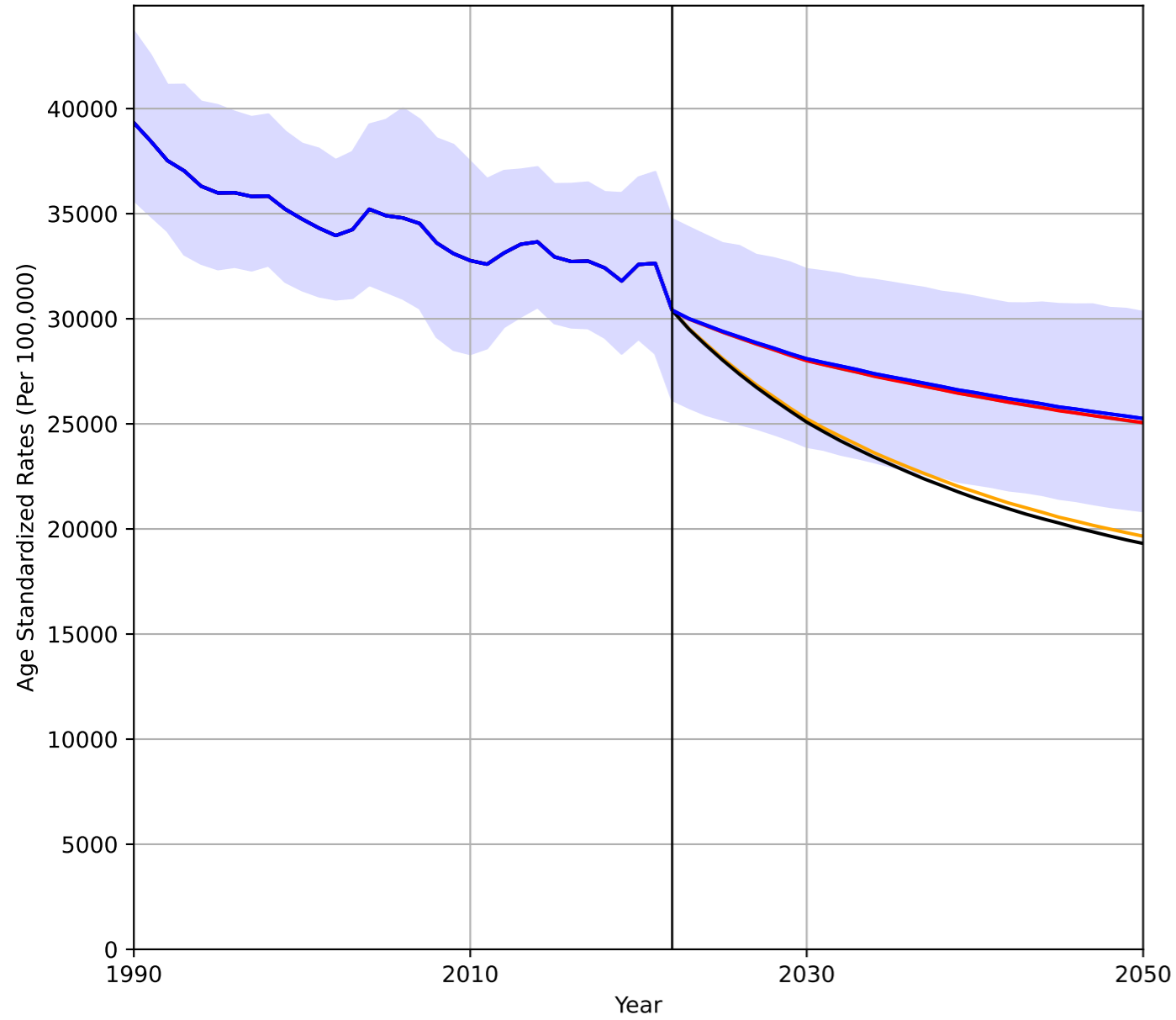
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# Dominican Republic

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

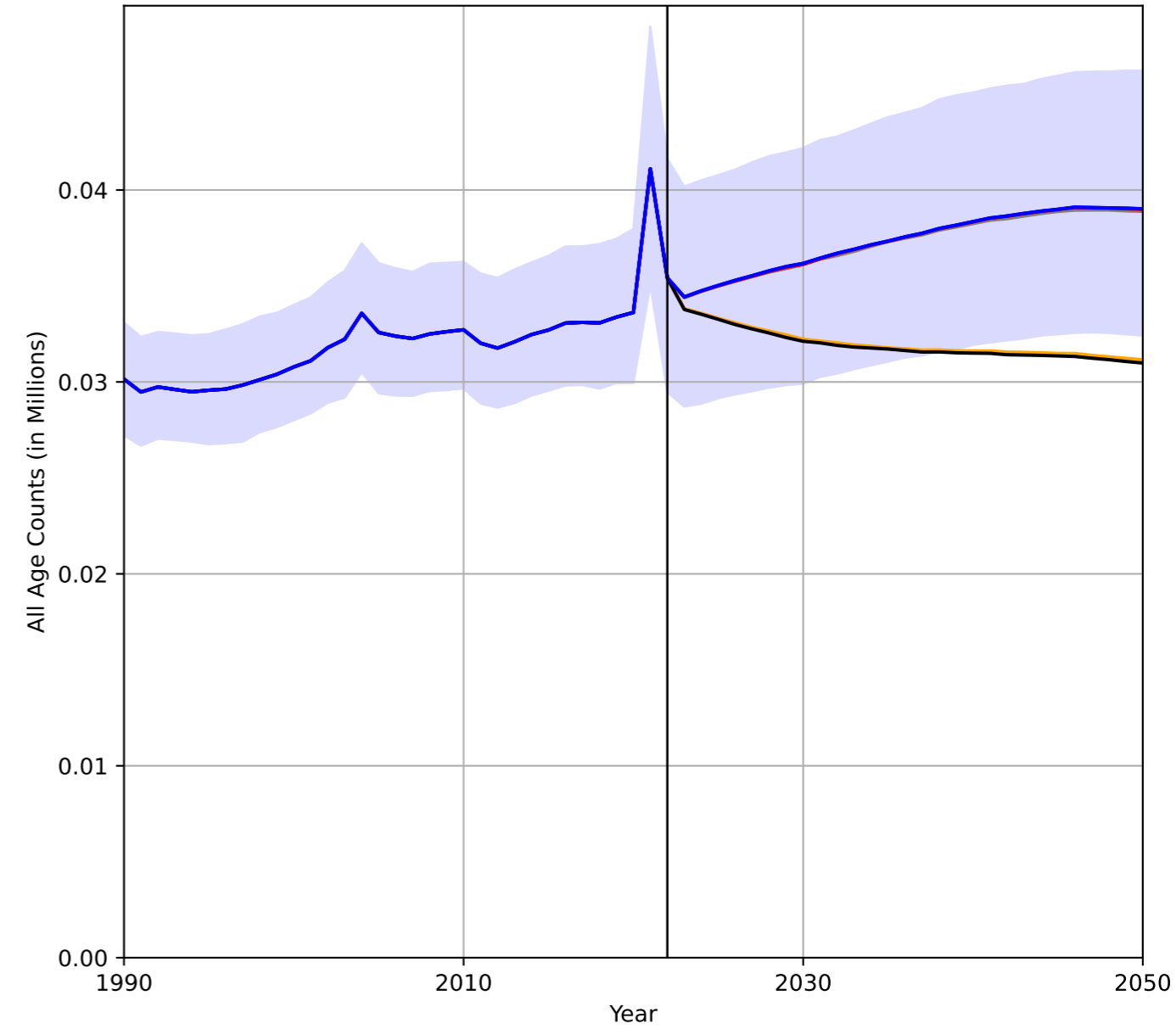
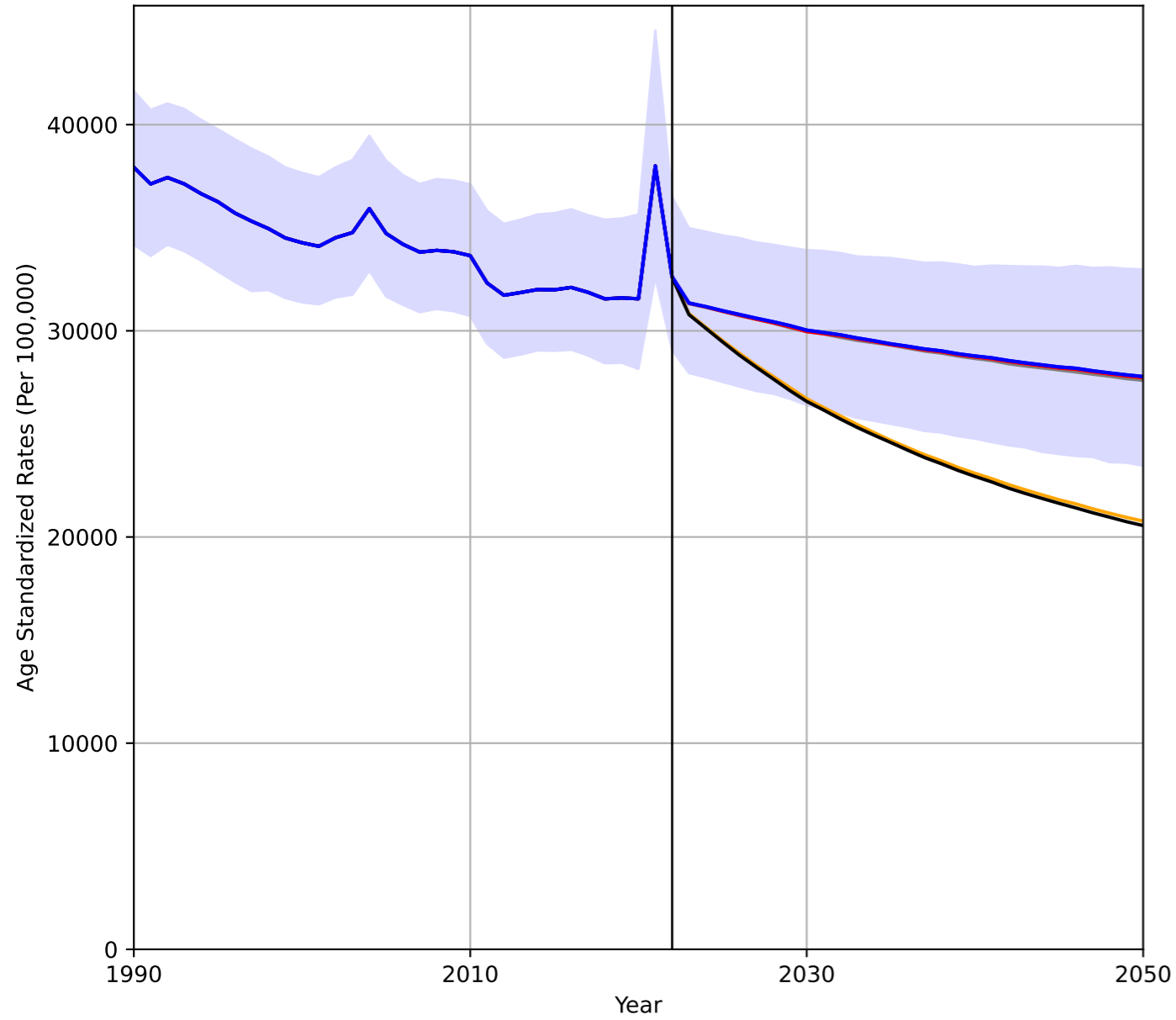
1486



# Grenada

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1487

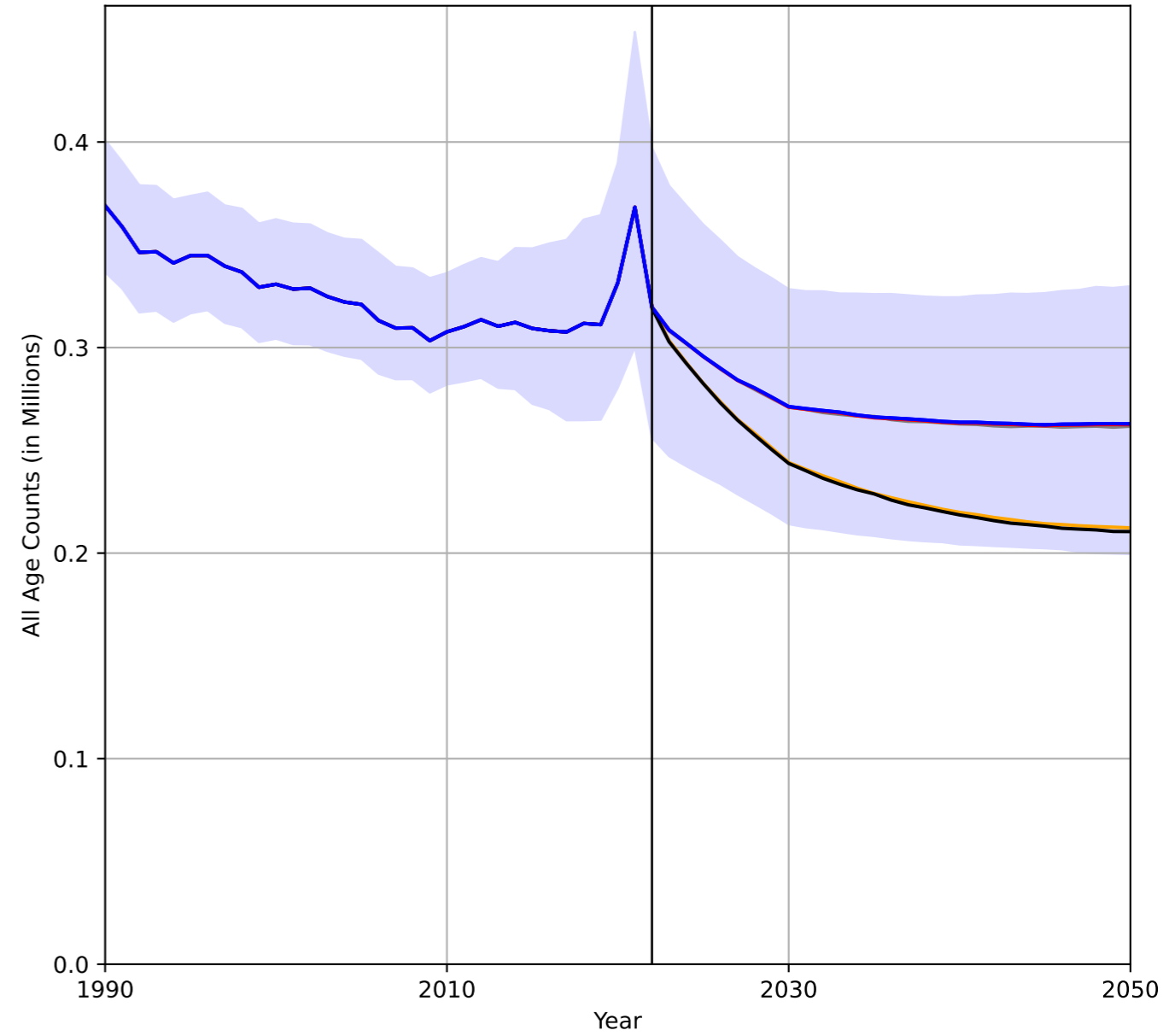
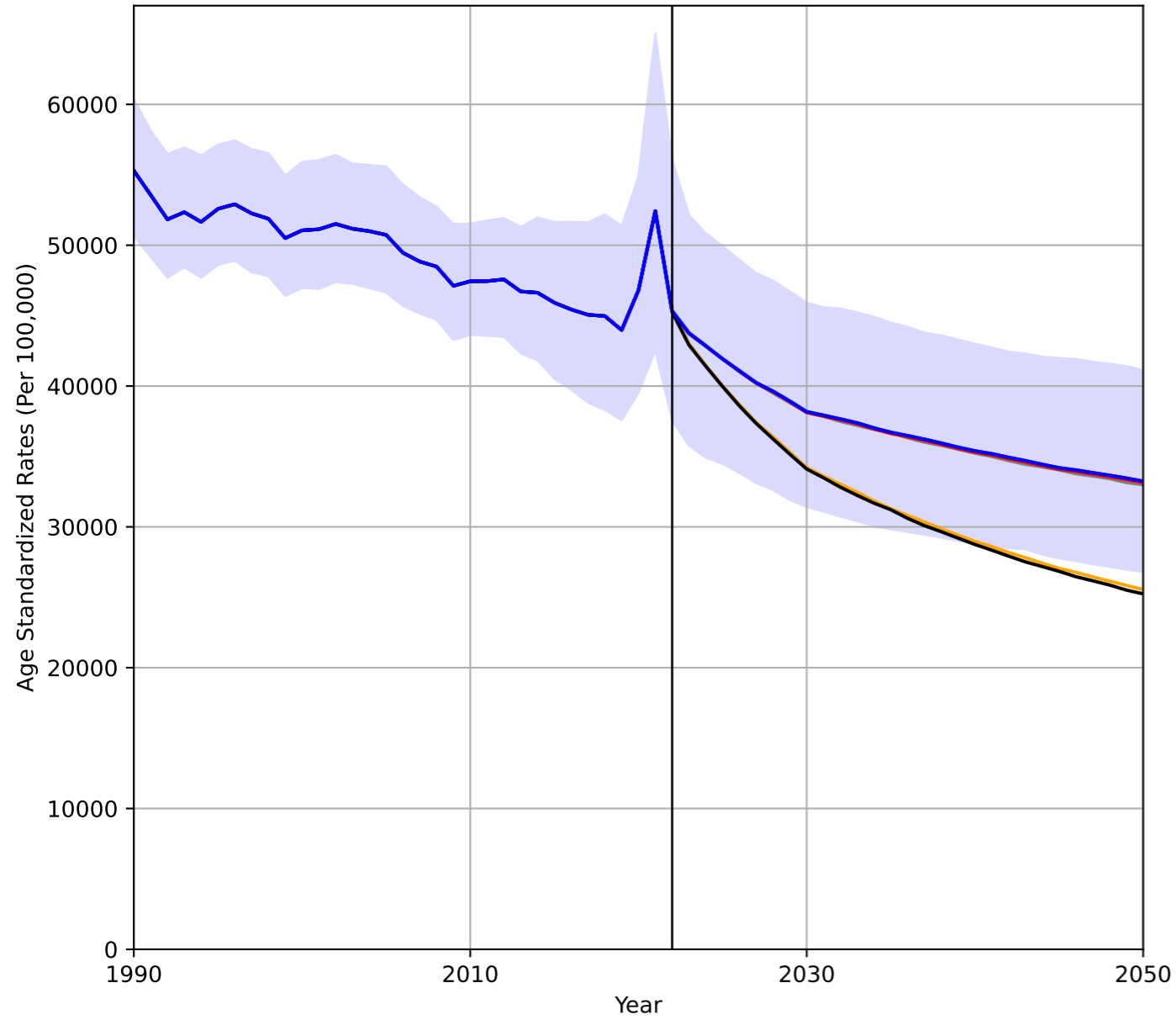




# Guyana

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

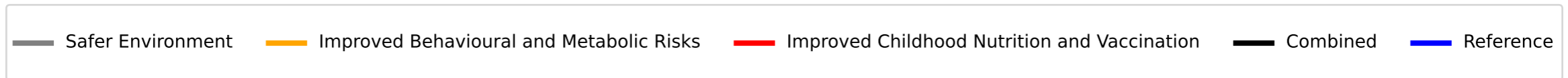
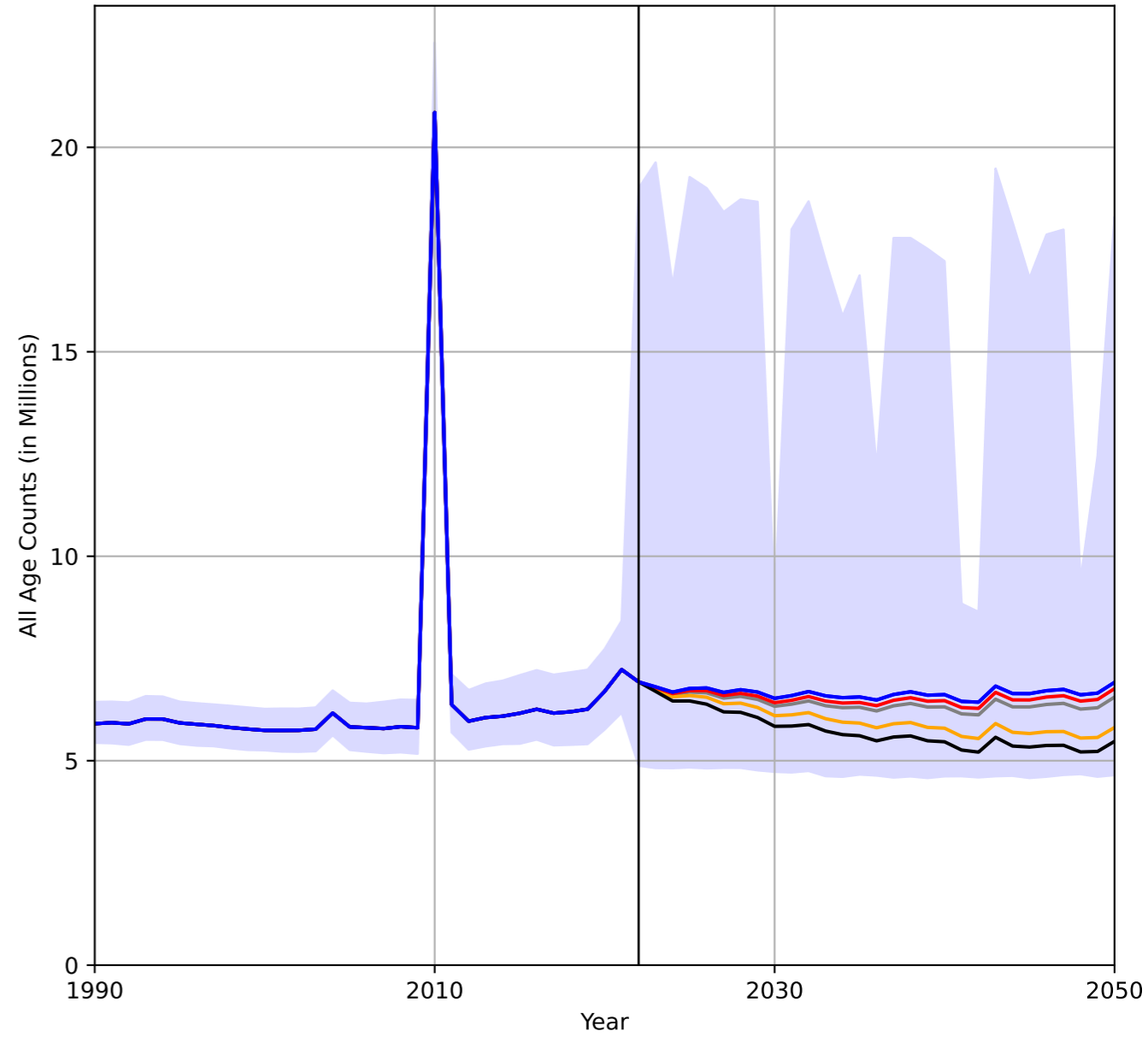
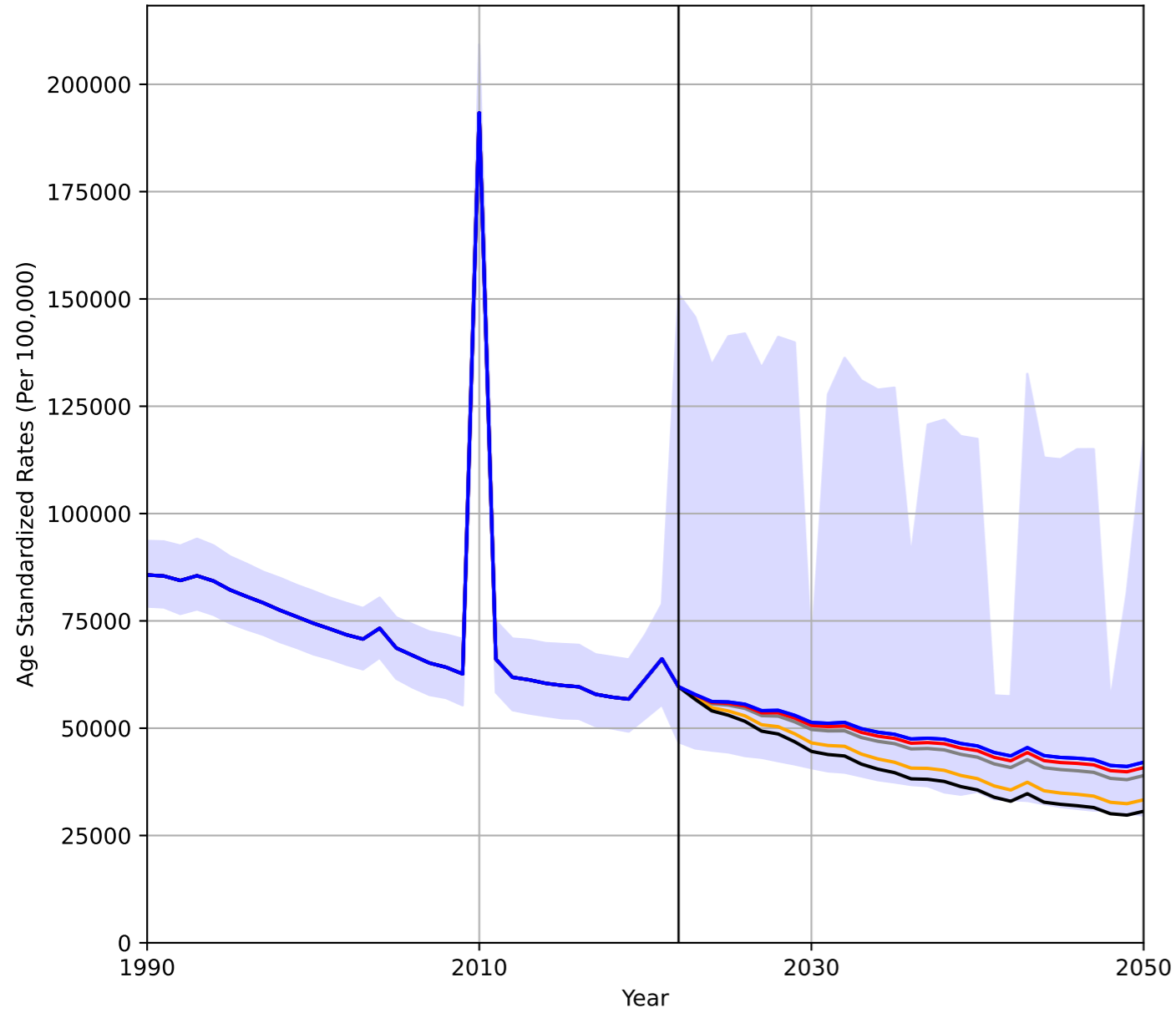
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# Haiti

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

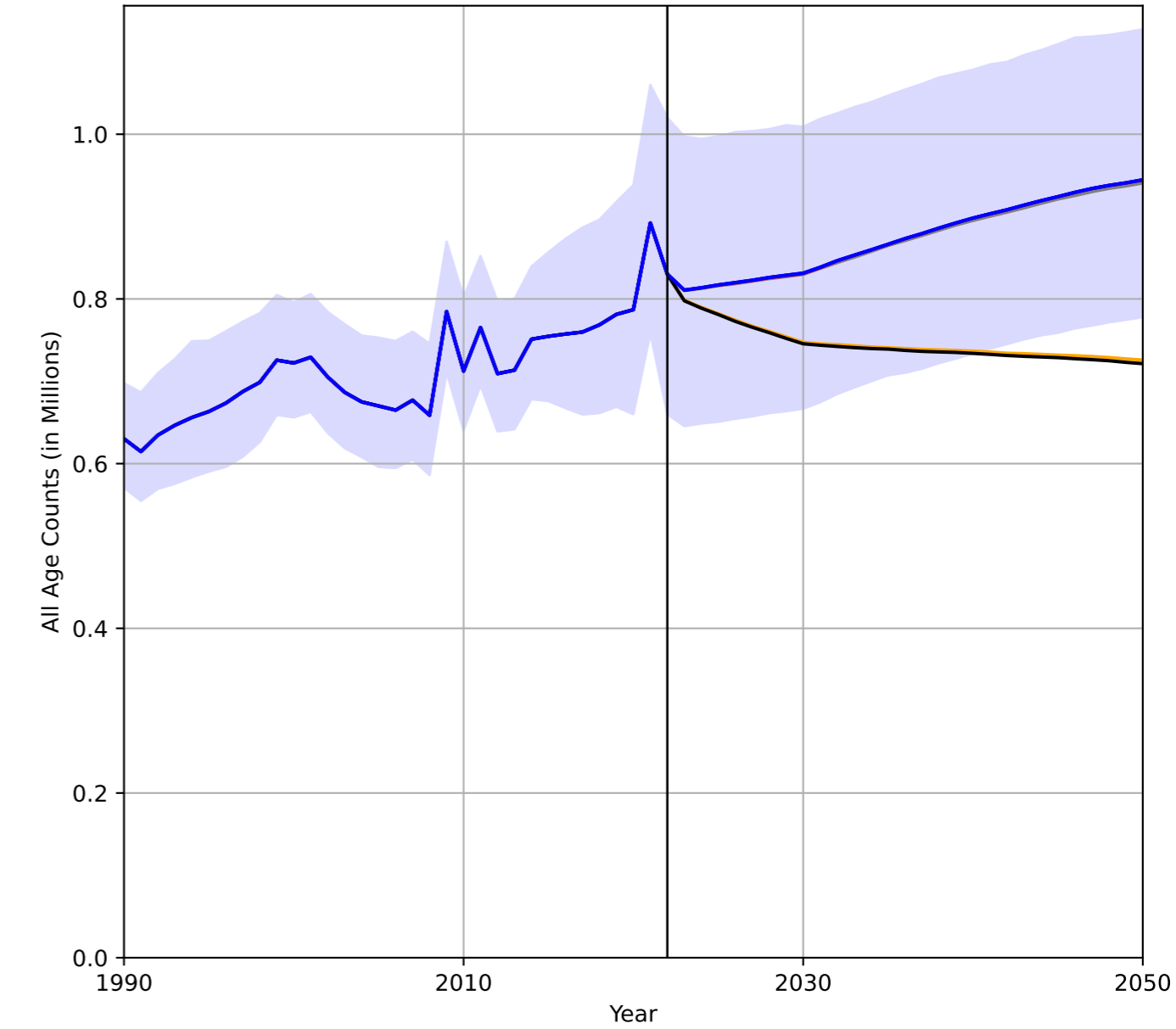
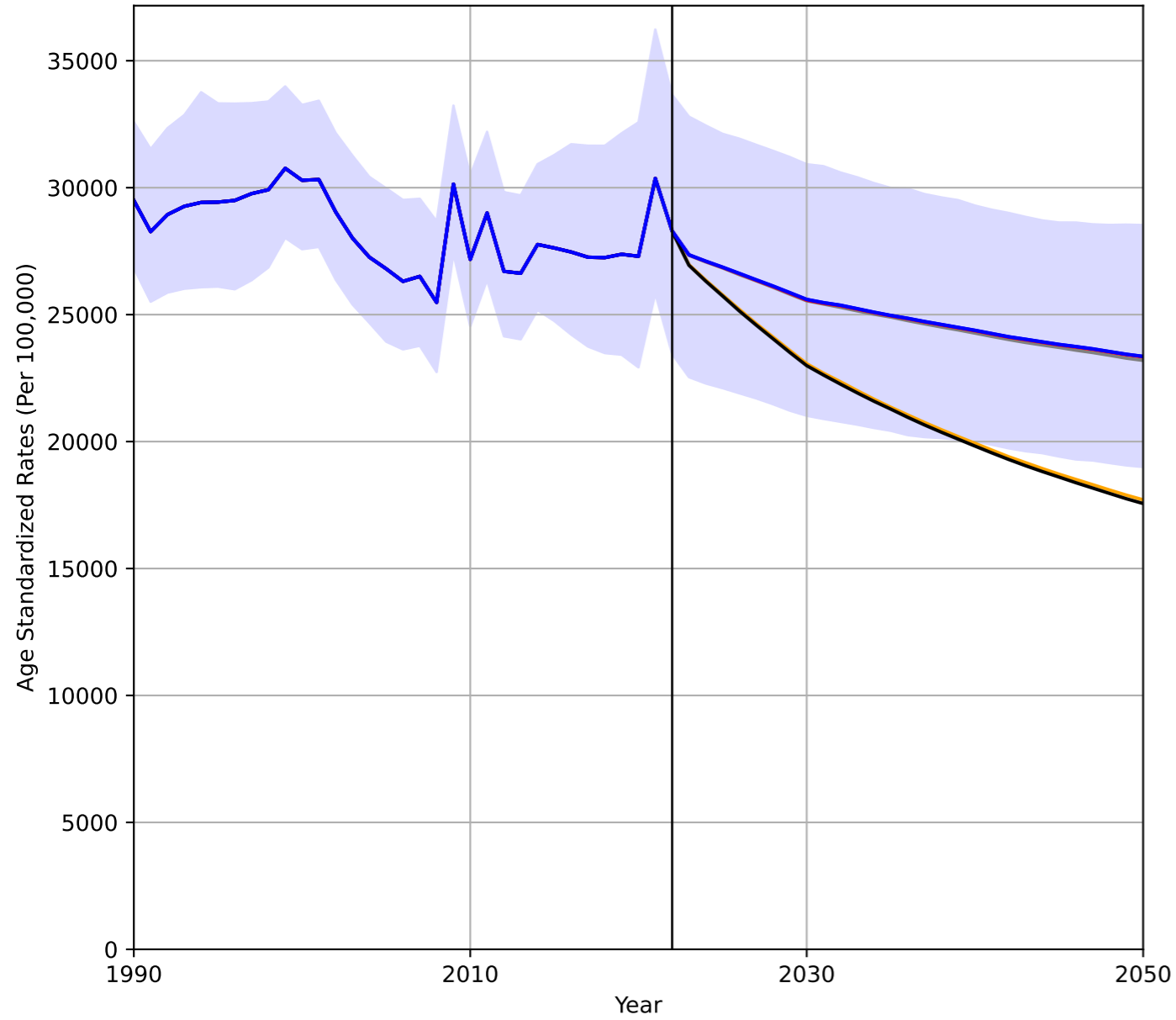
1489



# Jamaica

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

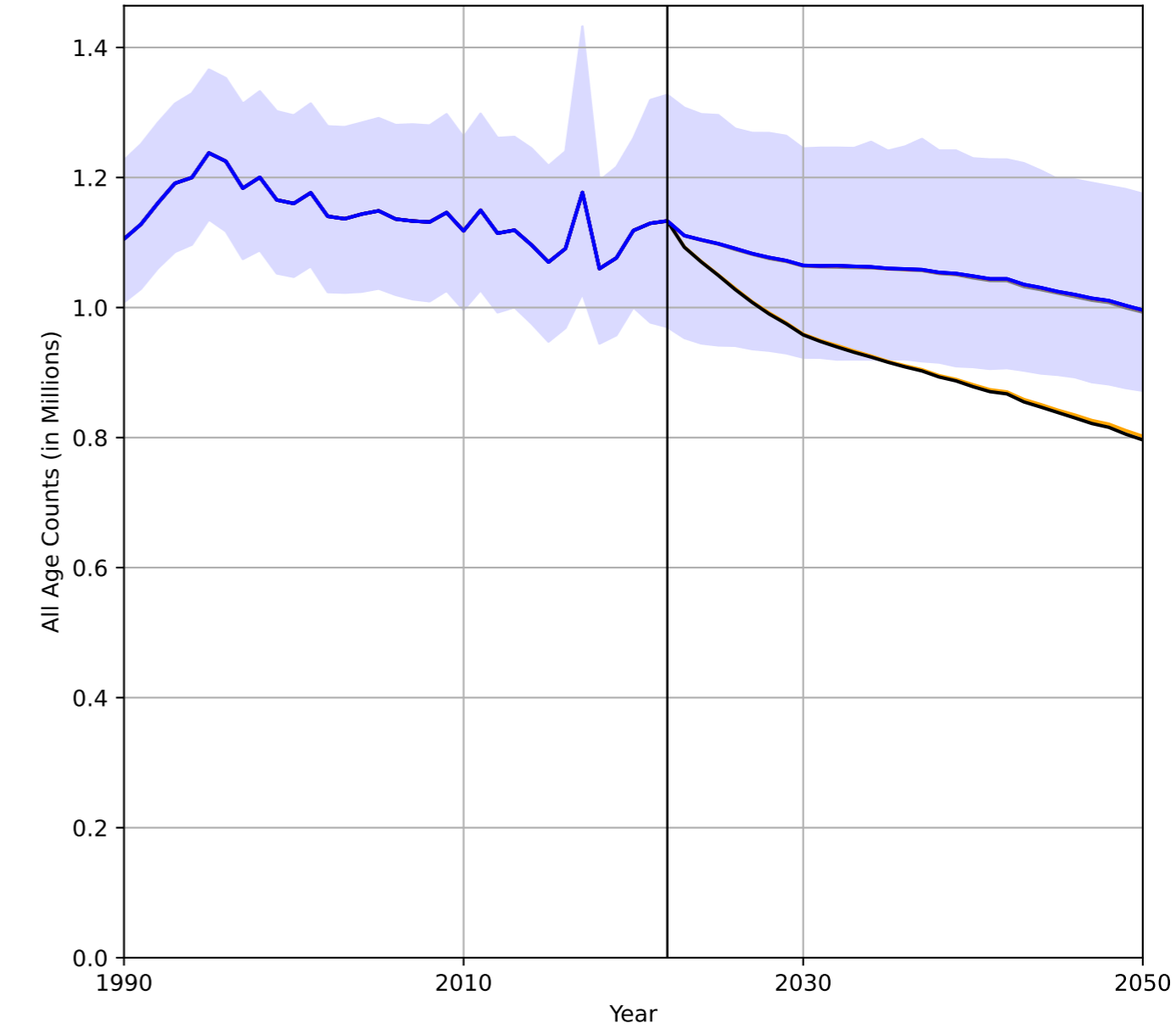
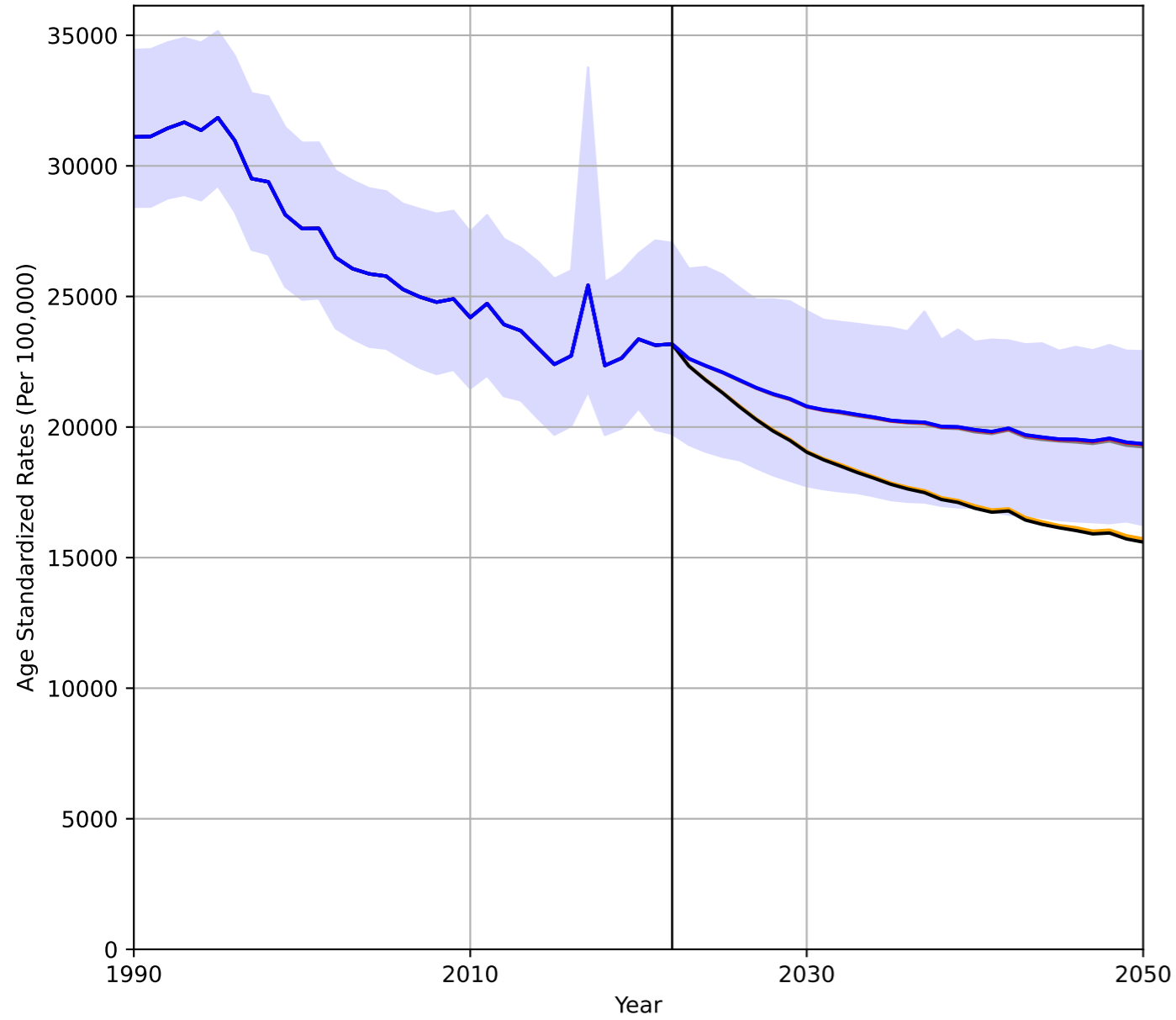
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# Puerto Rico

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

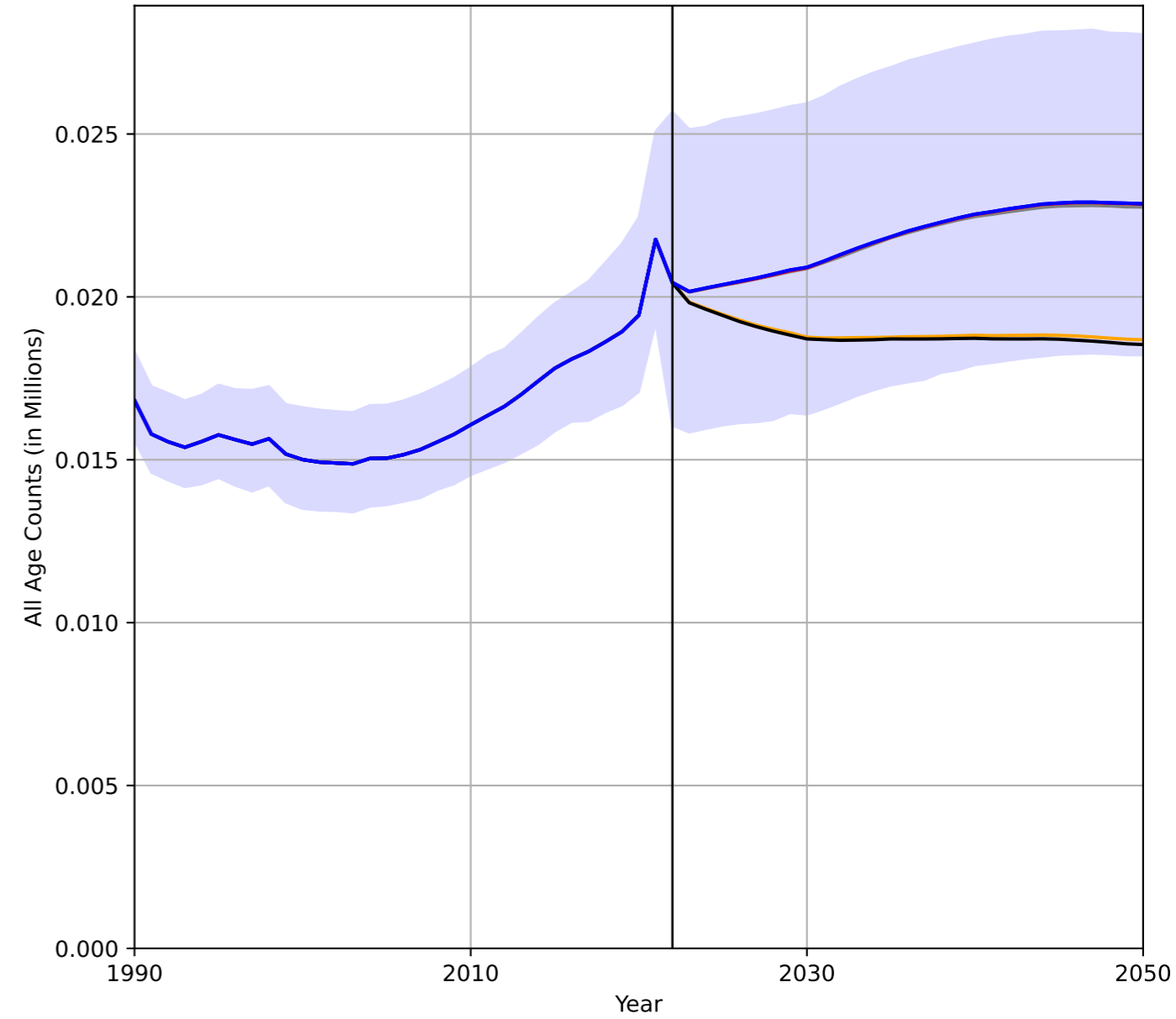
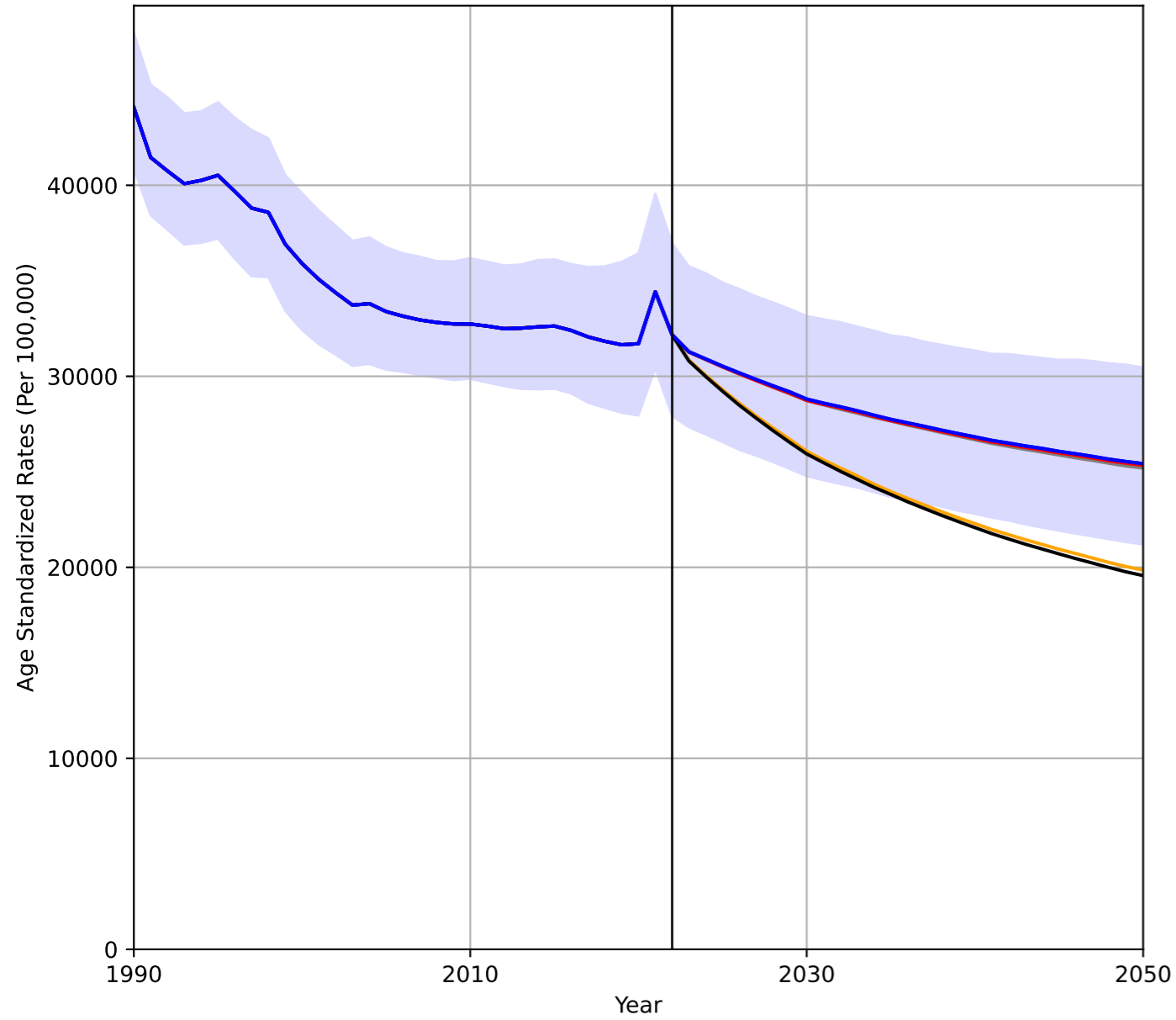
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# Saint Kitts And Nevis

1492

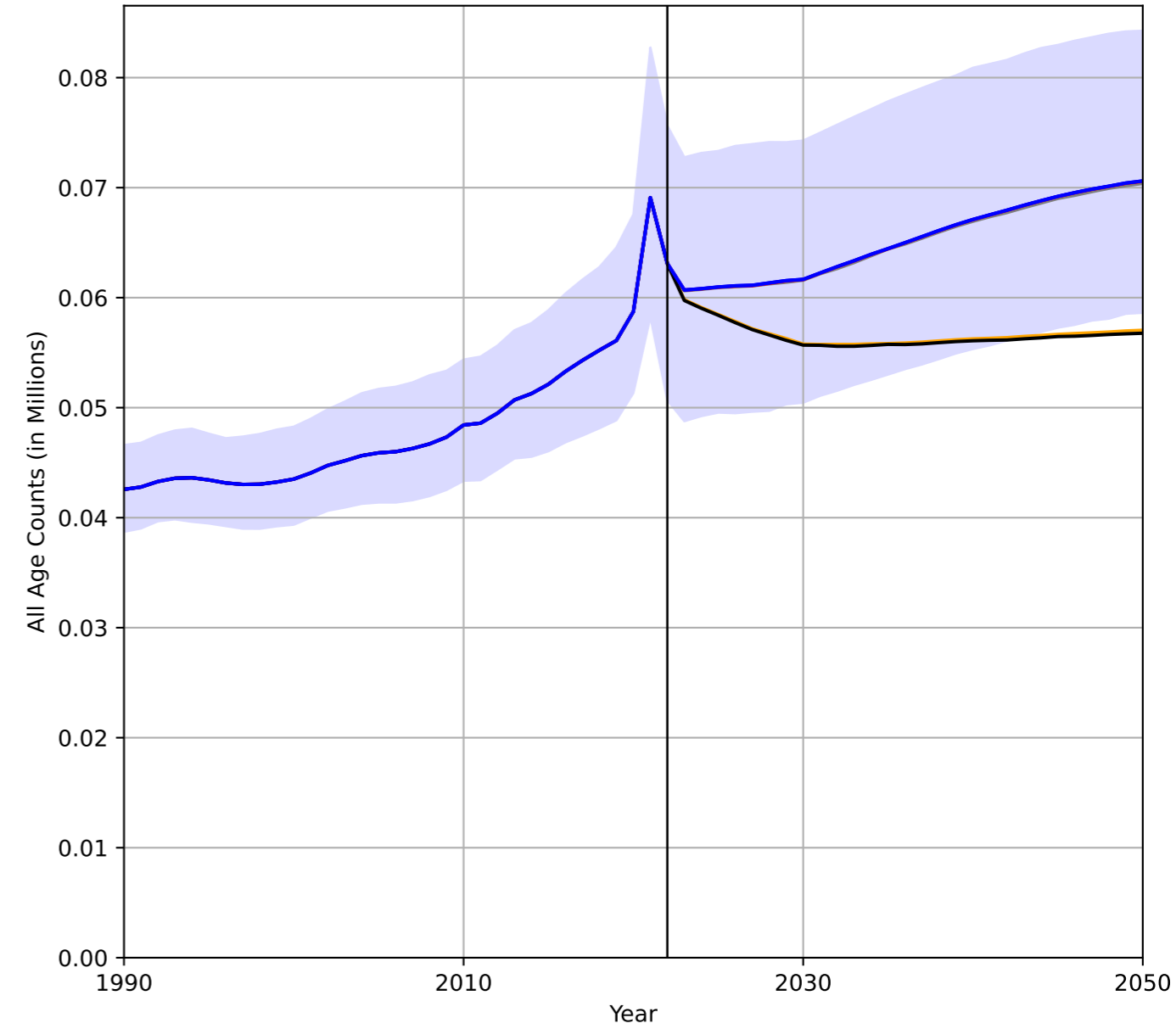
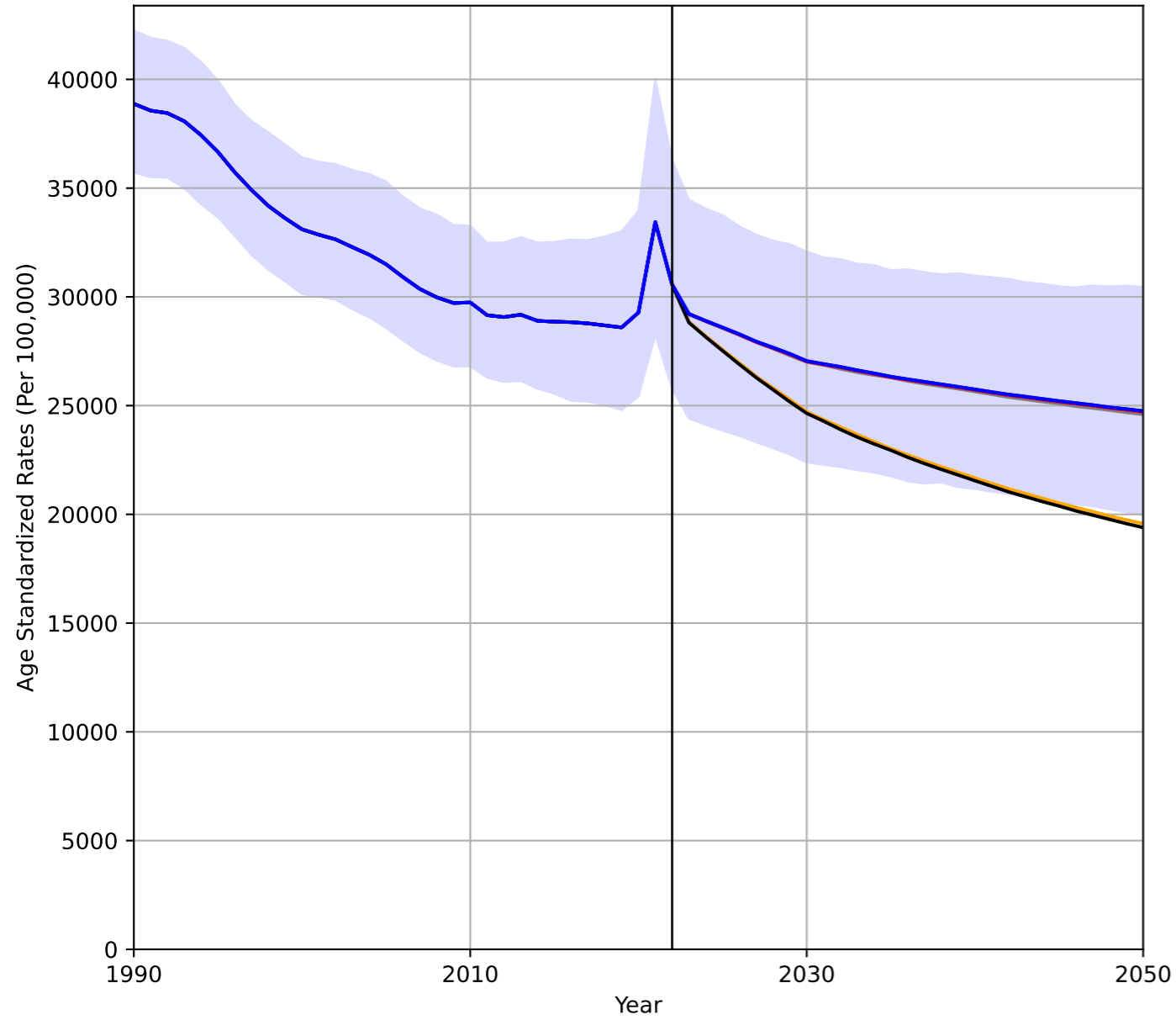
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# Saint Lucia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

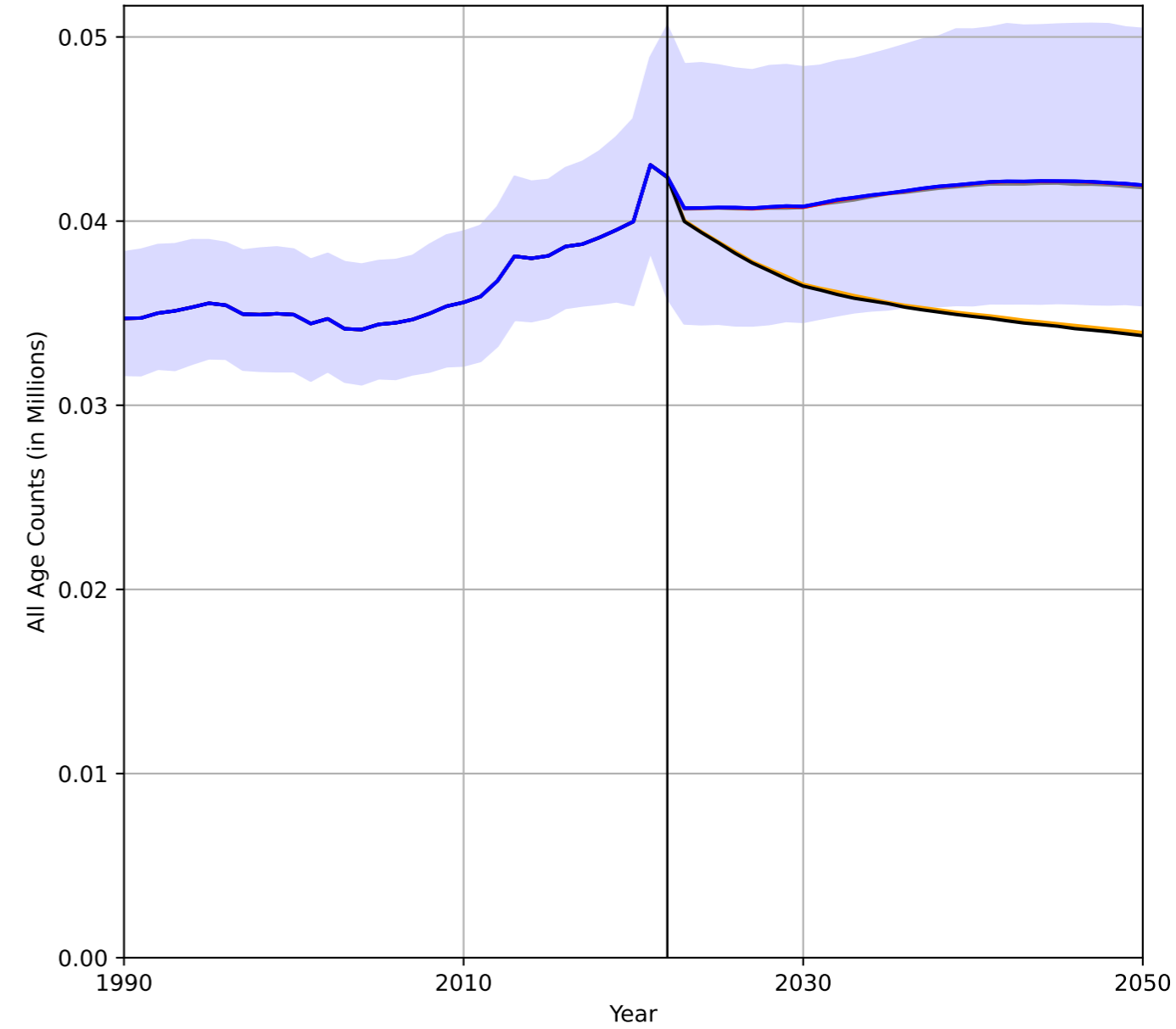
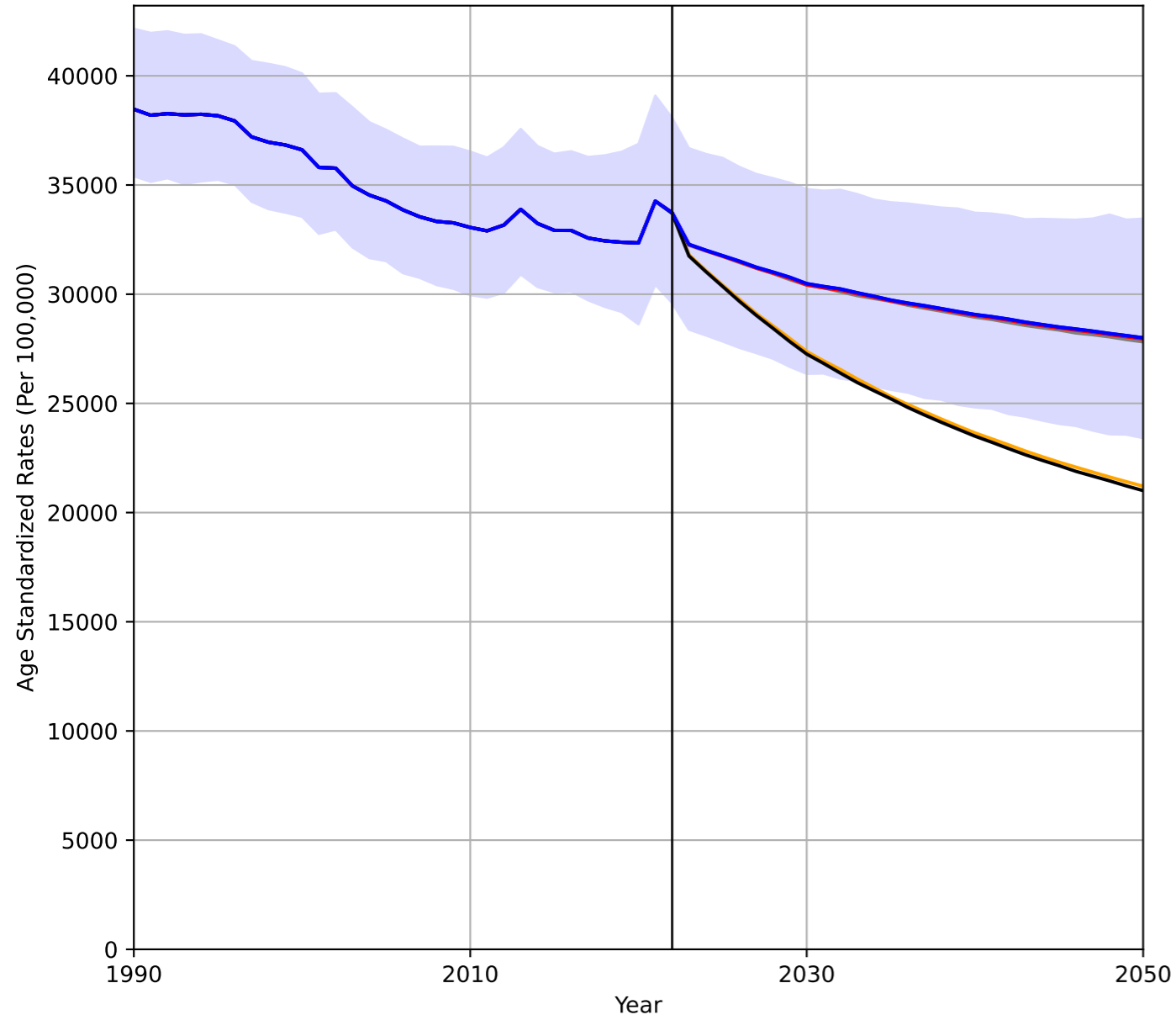
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# Saint Vincent And The Grenadines

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

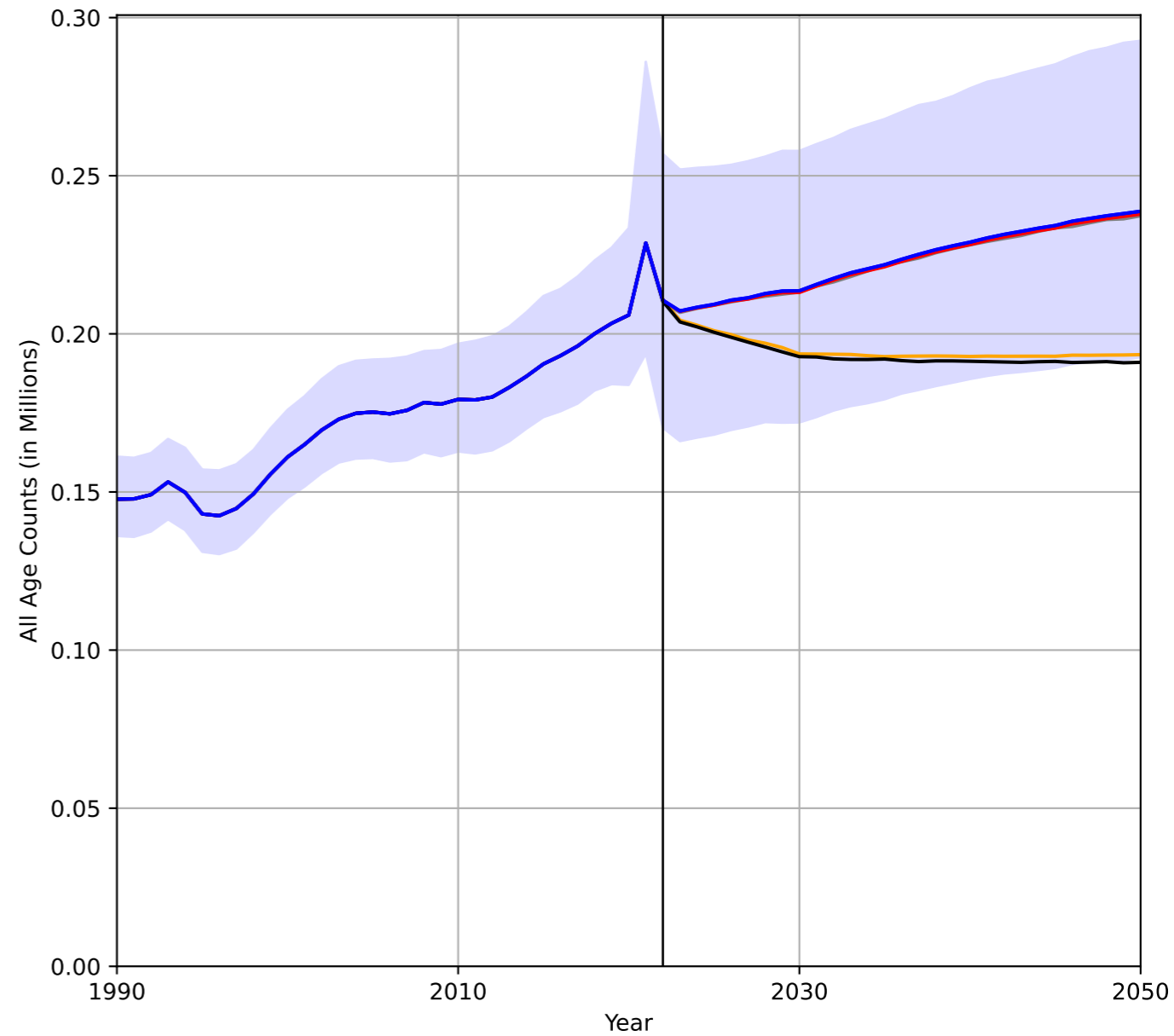
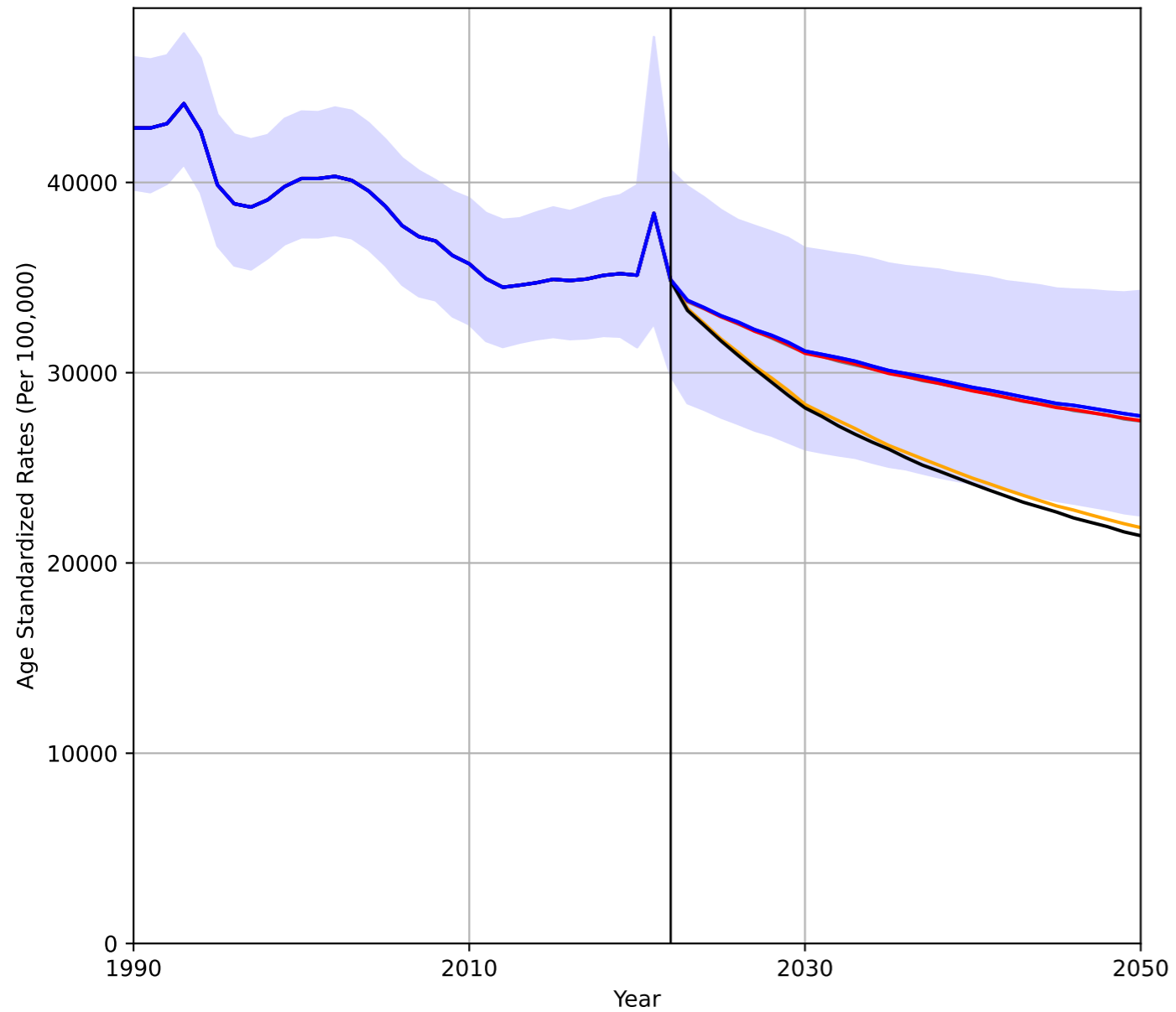
1494



# Suriname

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1495

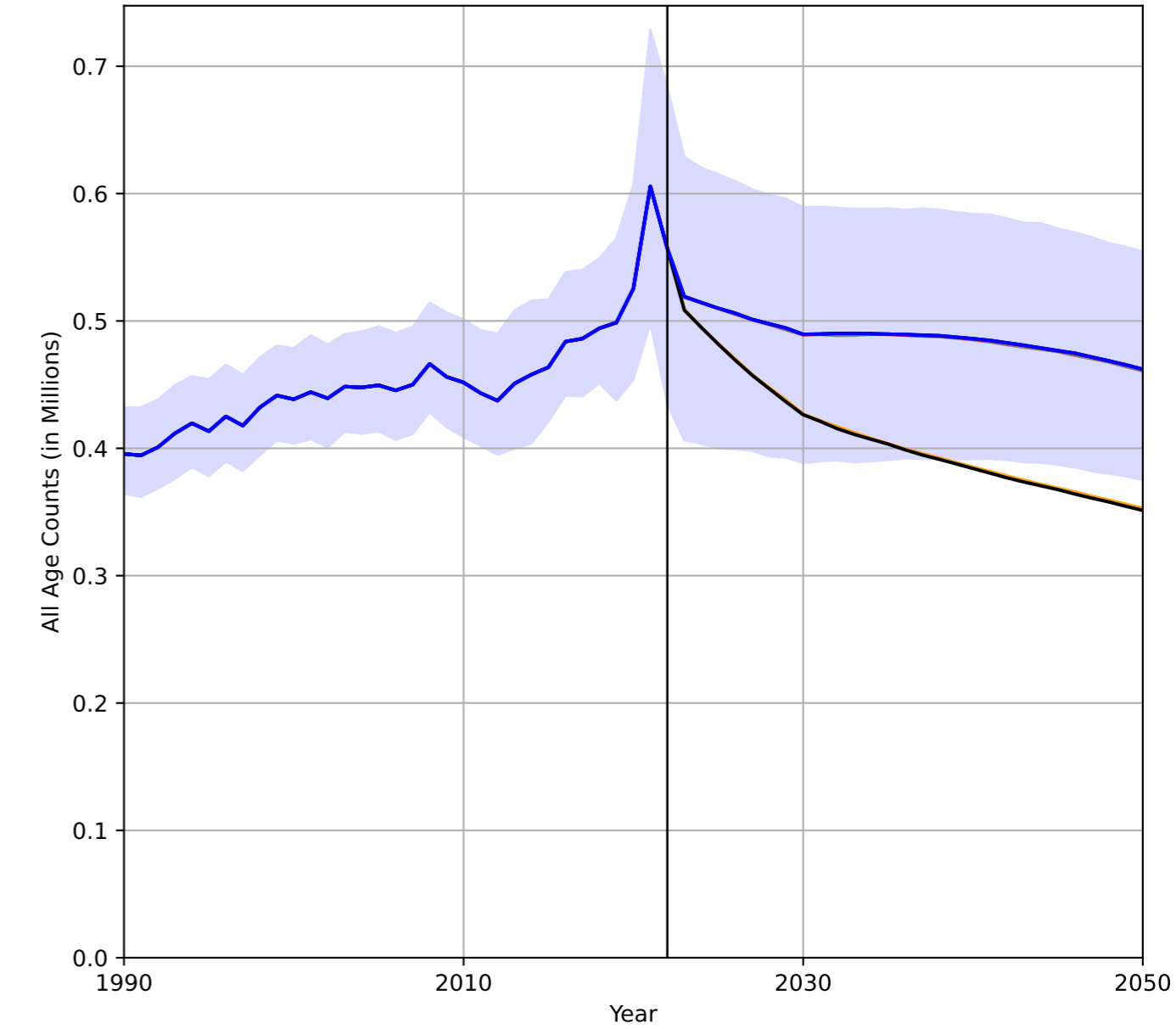
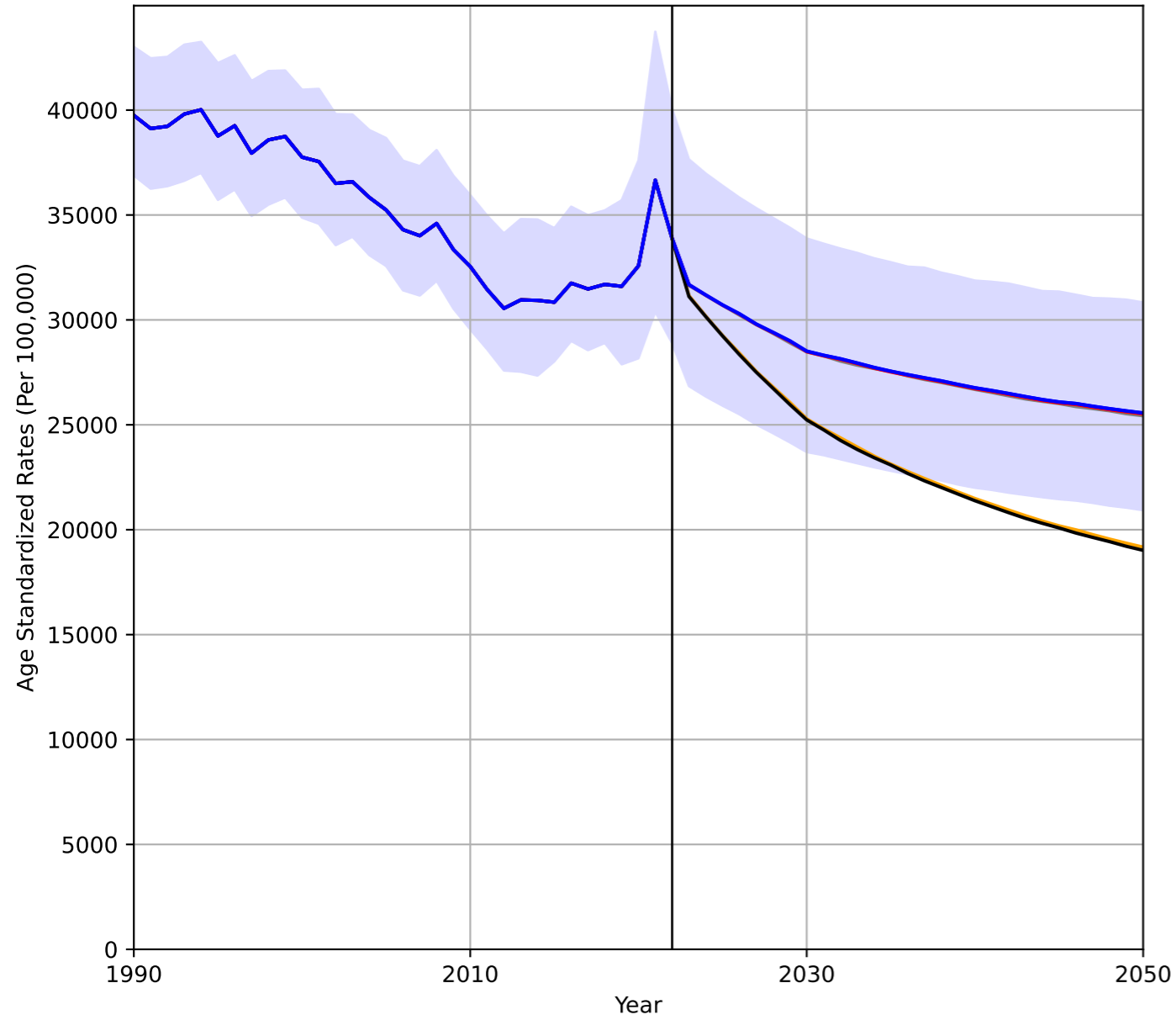




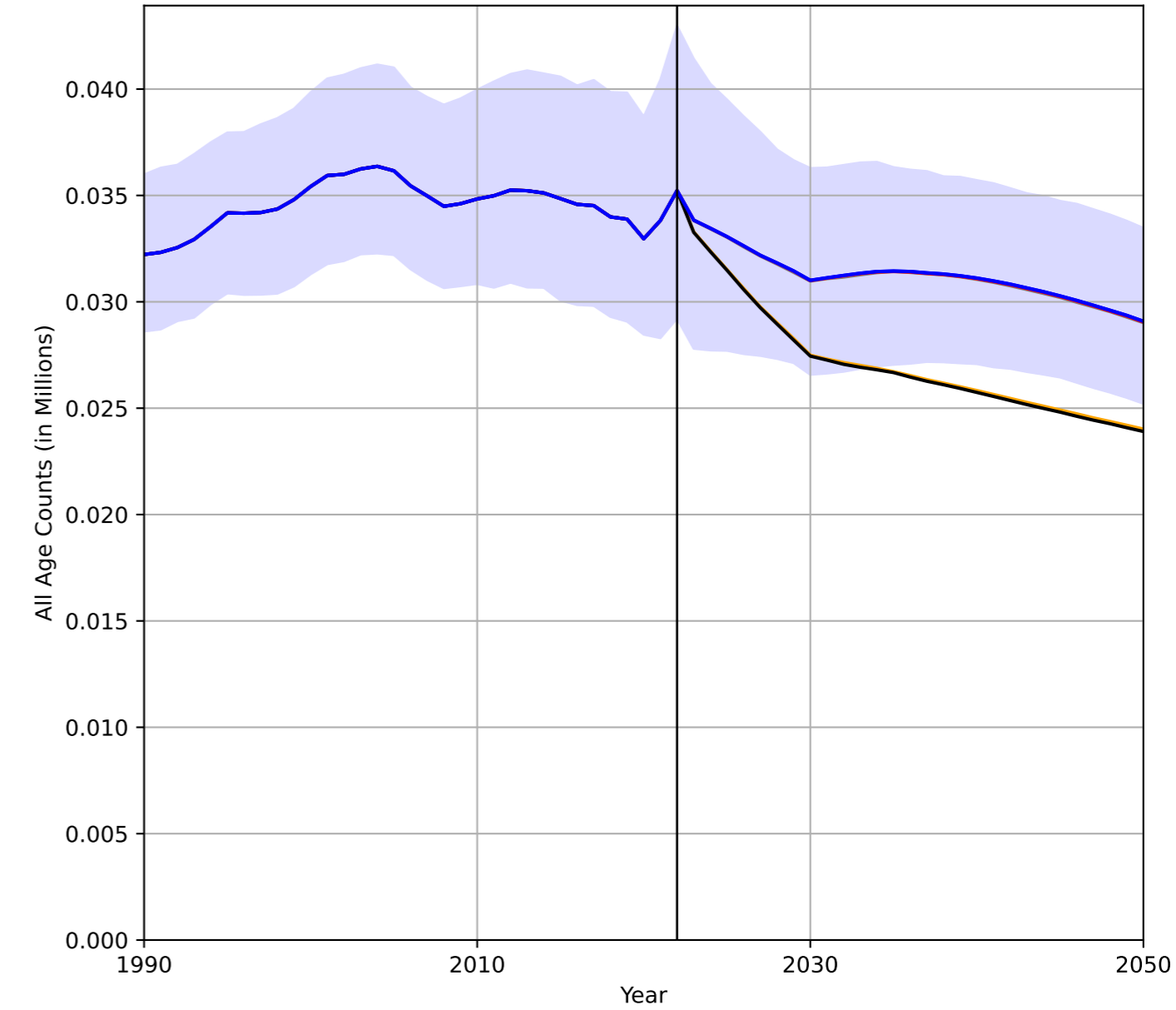
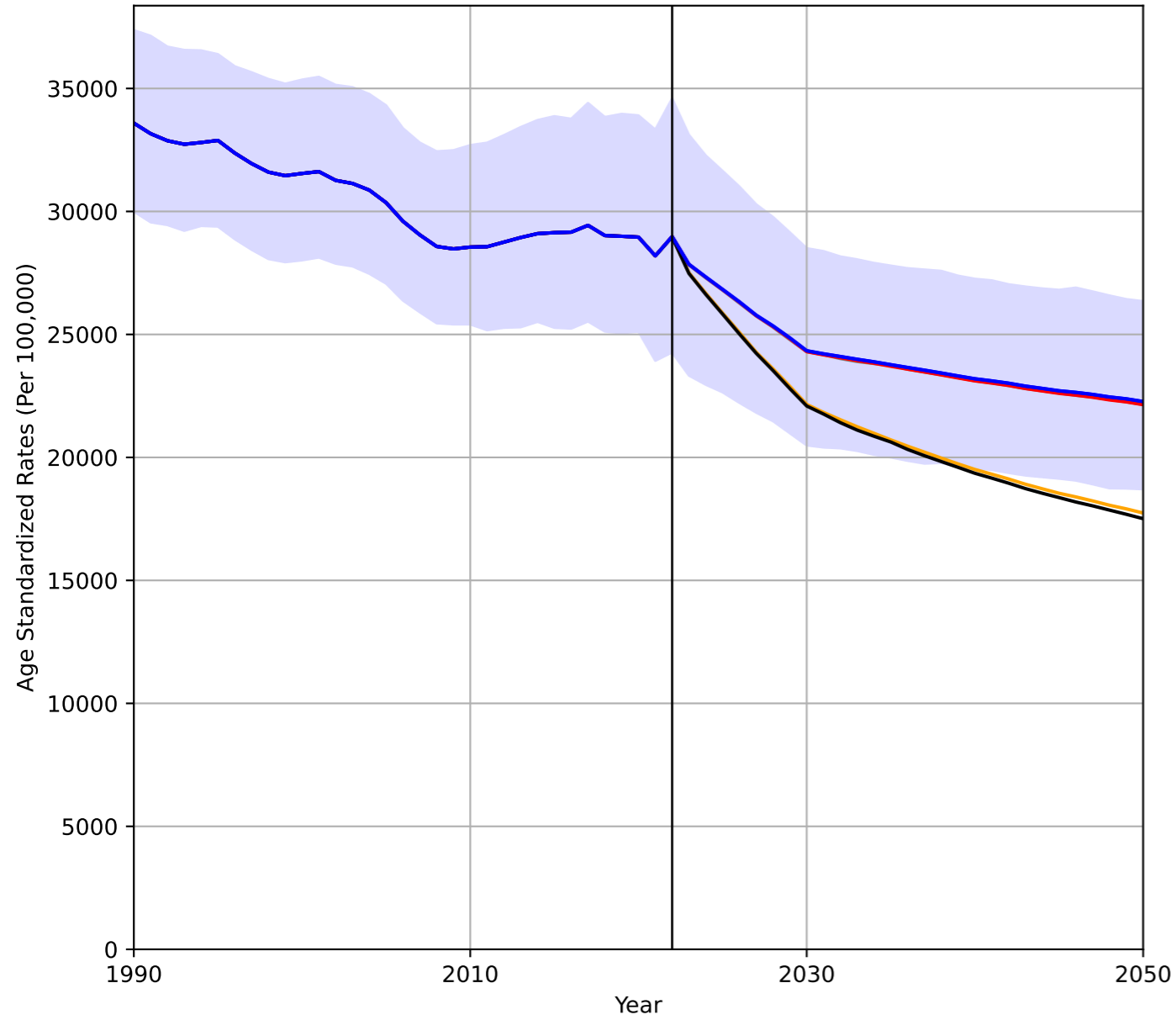
# Trinidad And Tobago

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1496



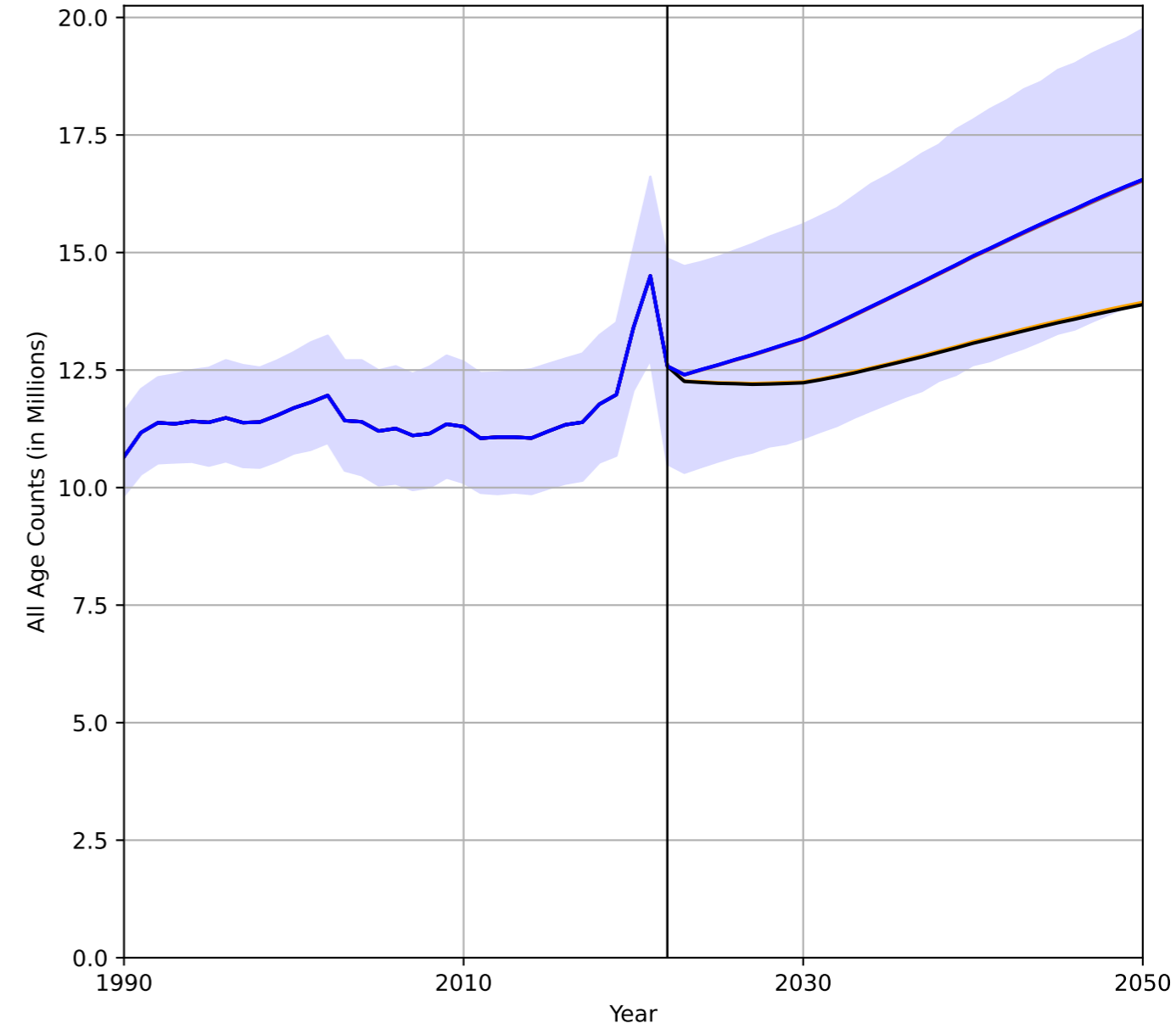
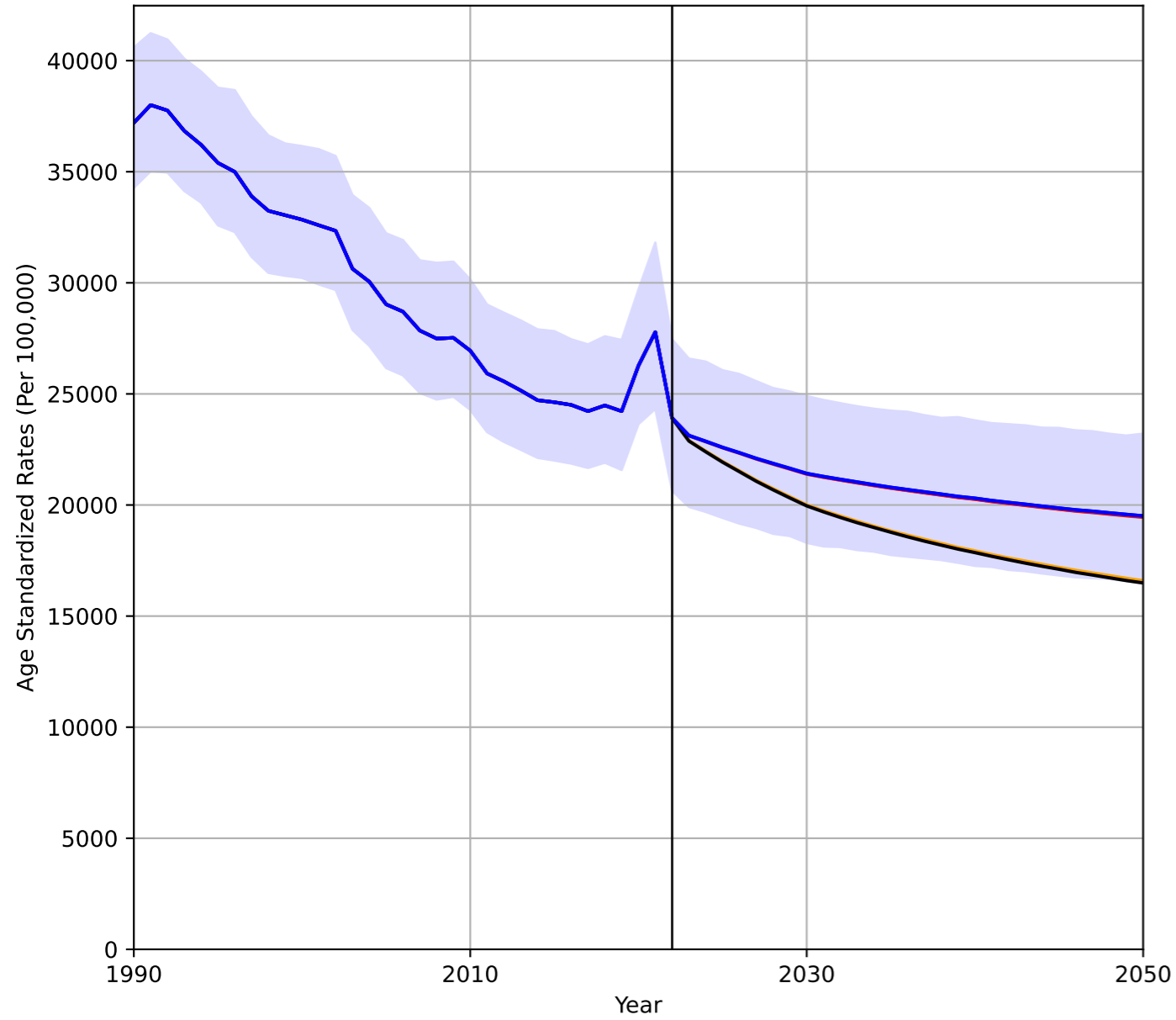
# Virgin Islands



# Colombia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

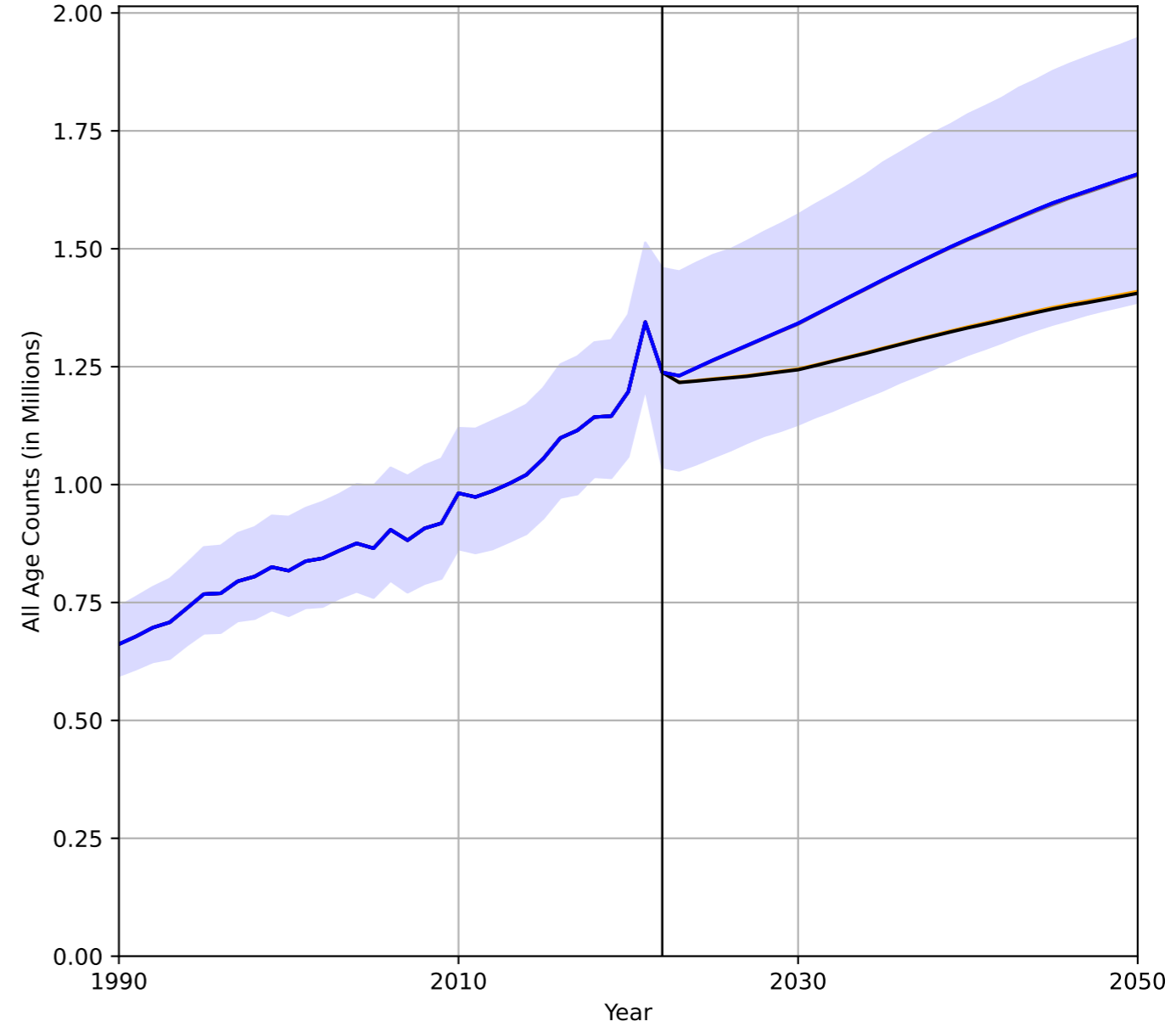
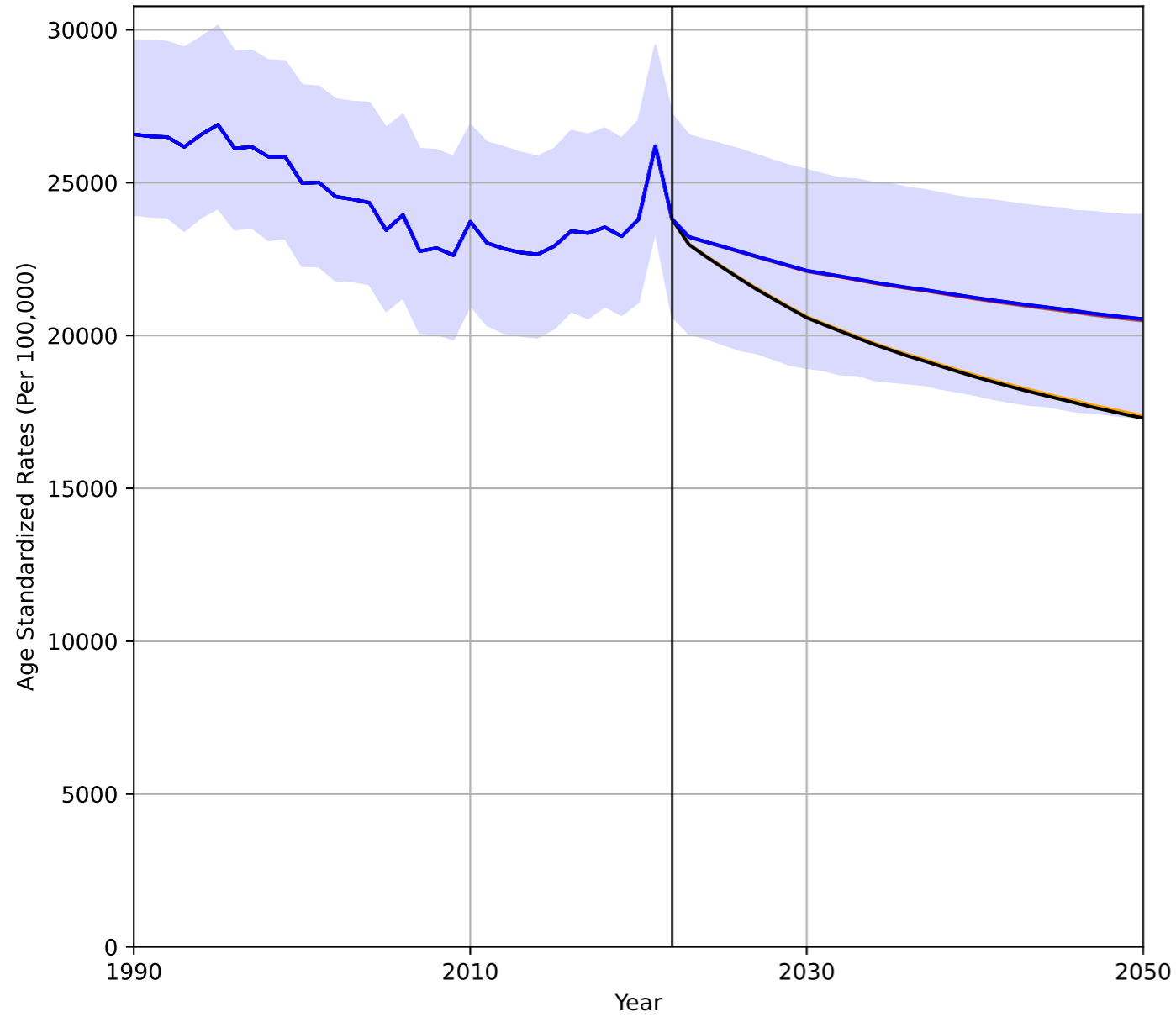
1498



# Costa Rica

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

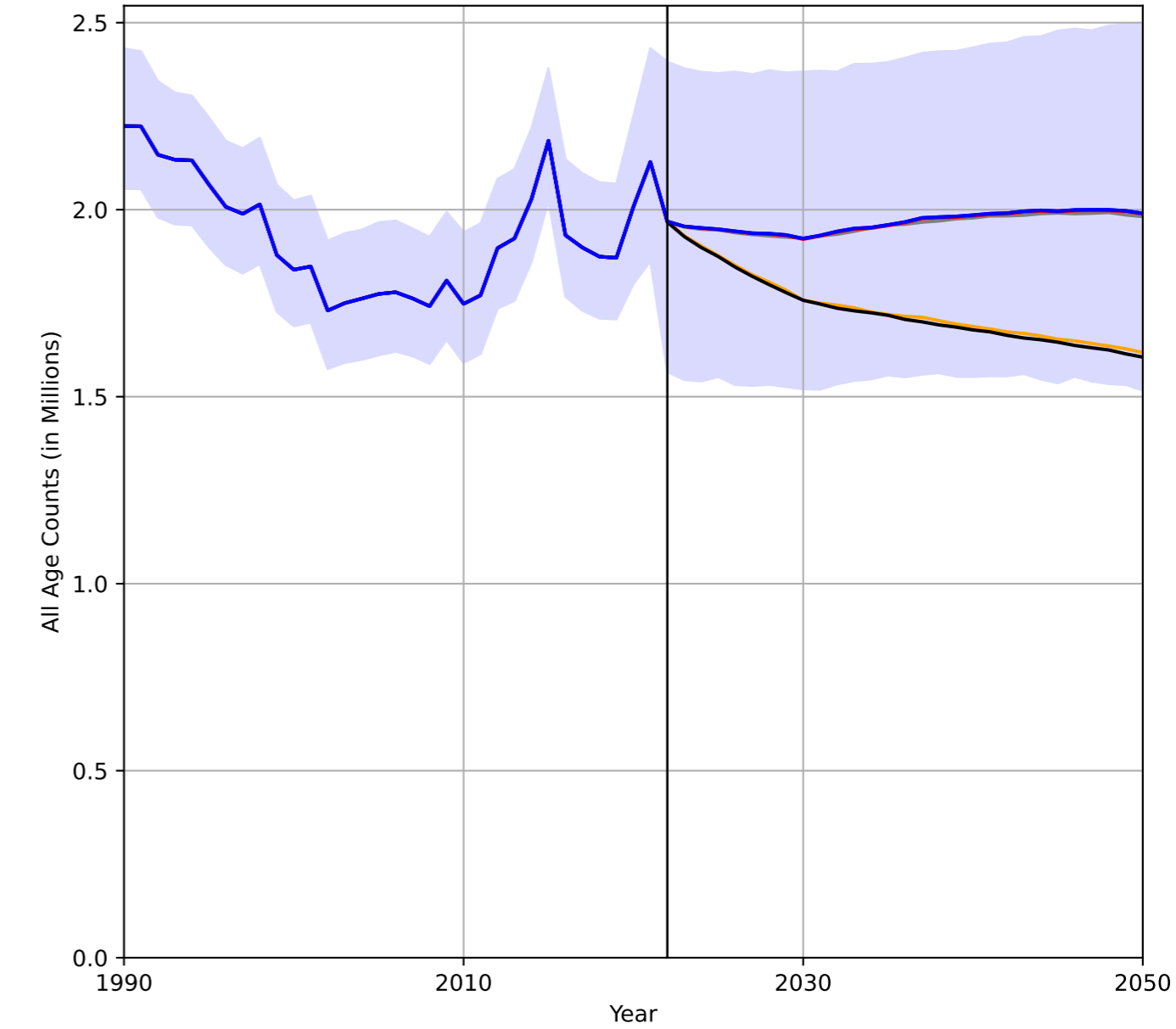
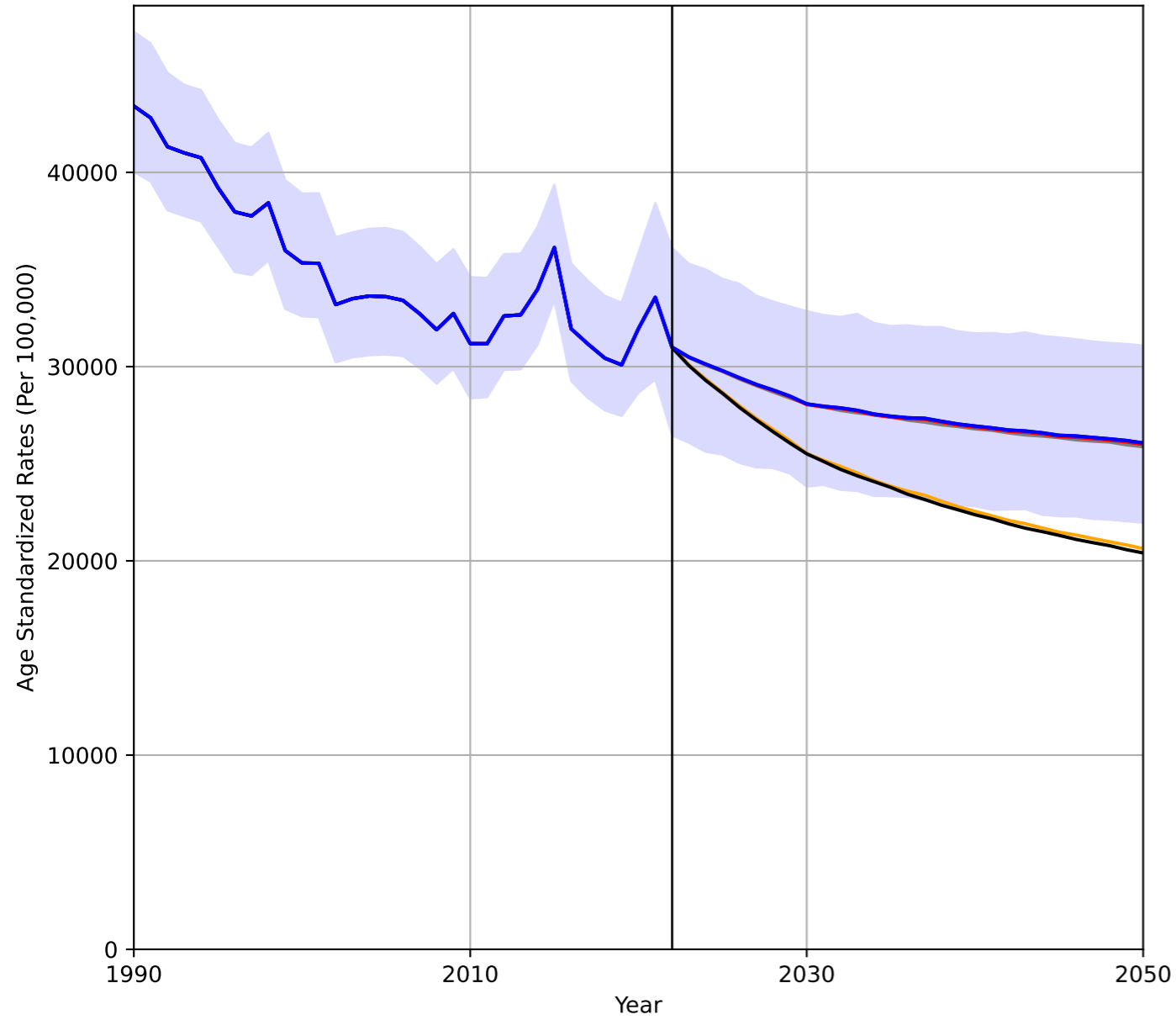
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# El Salvador

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

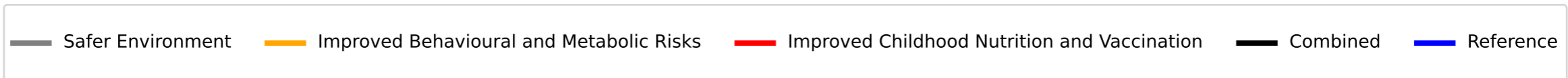
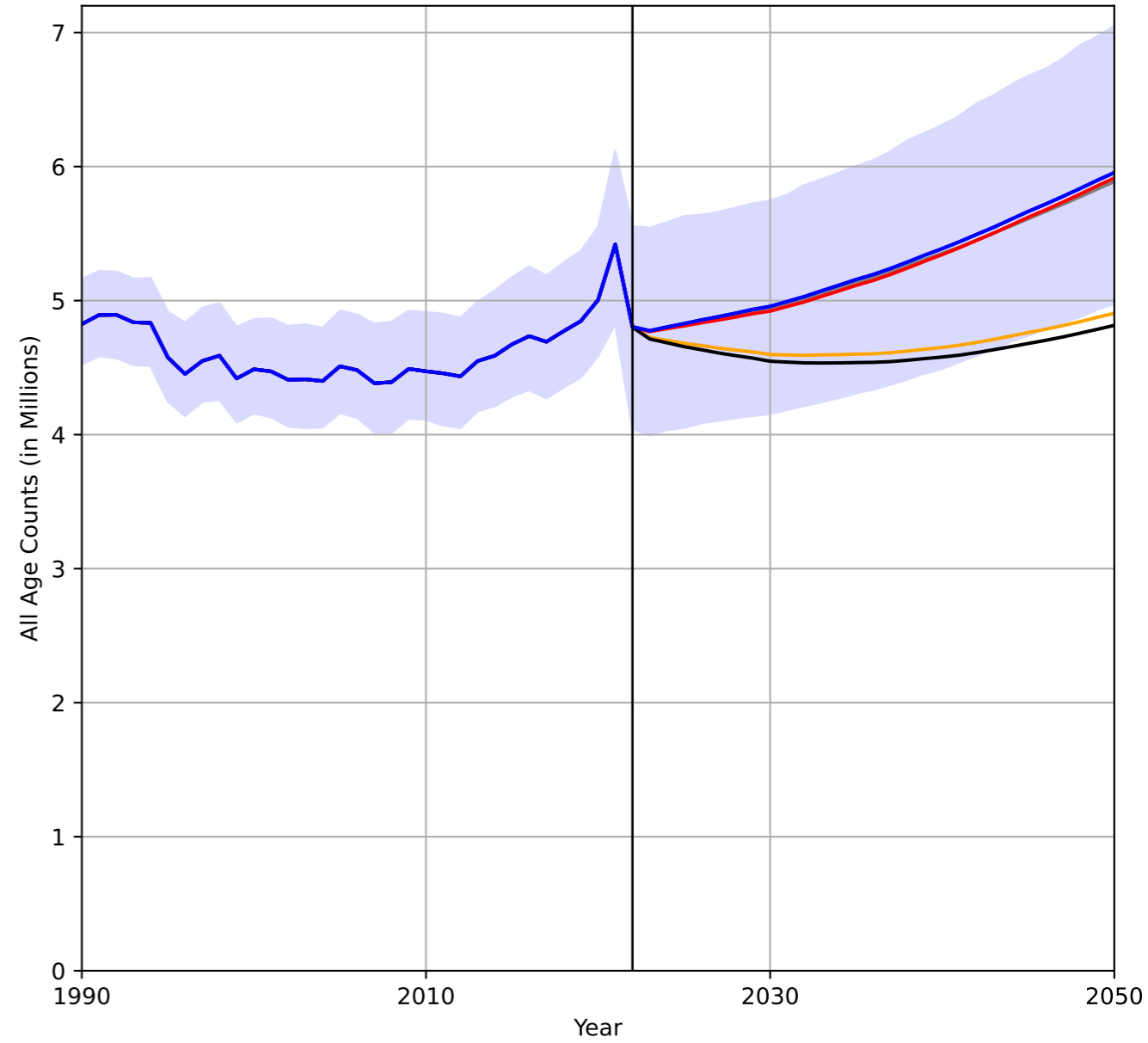
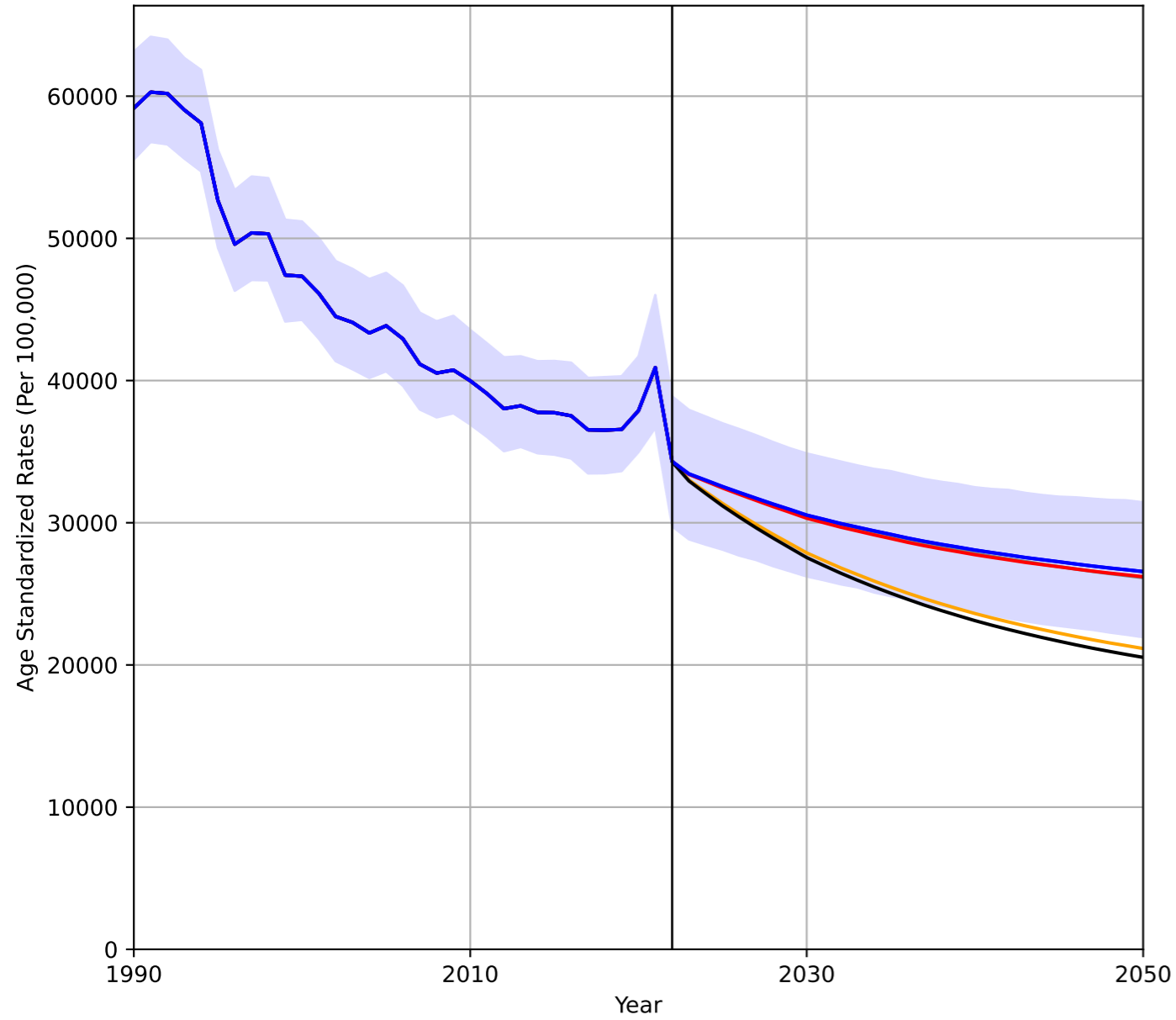
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# Guatemala

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

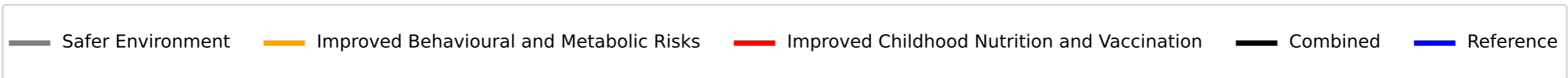
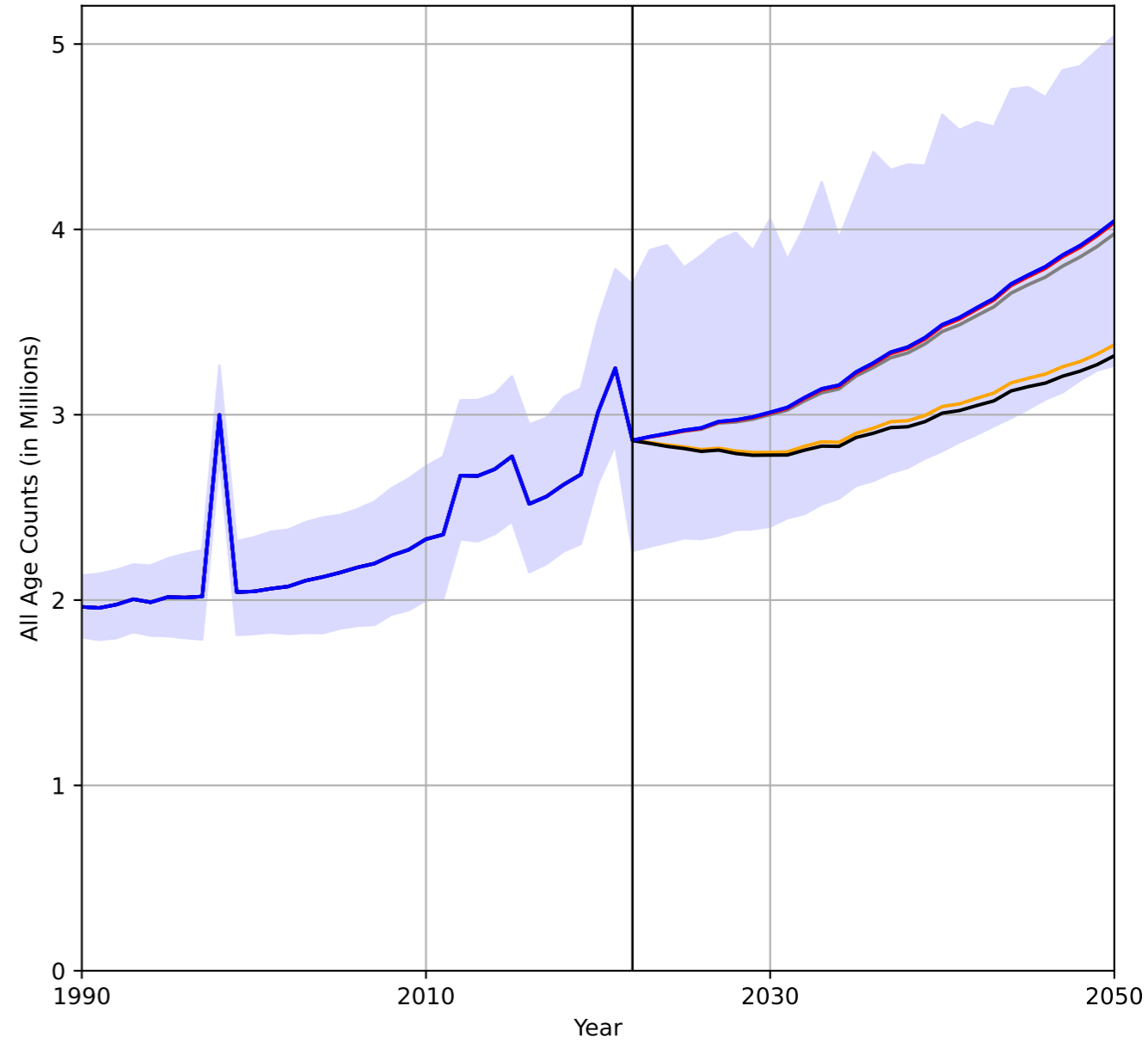
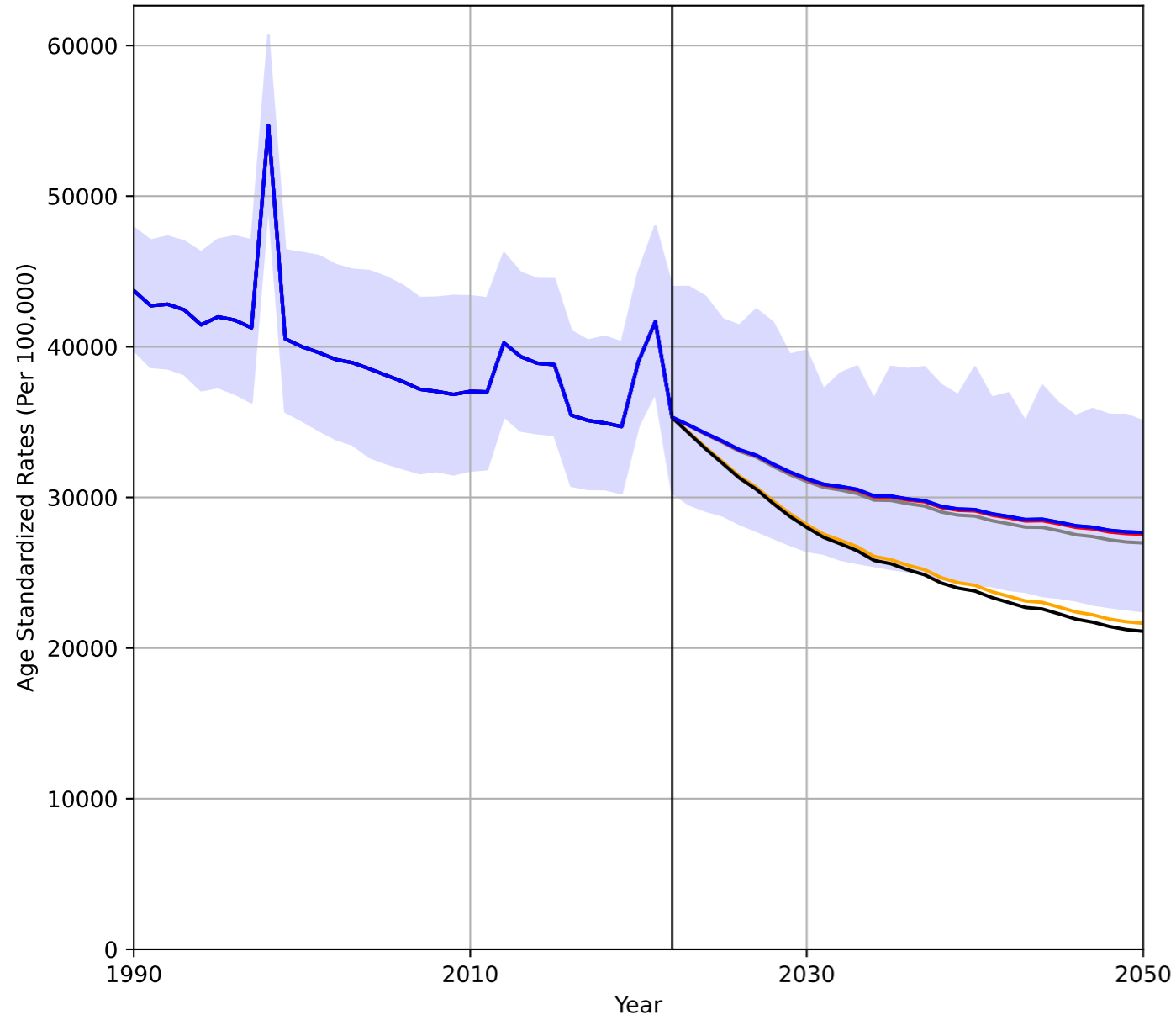
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# Honduras

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

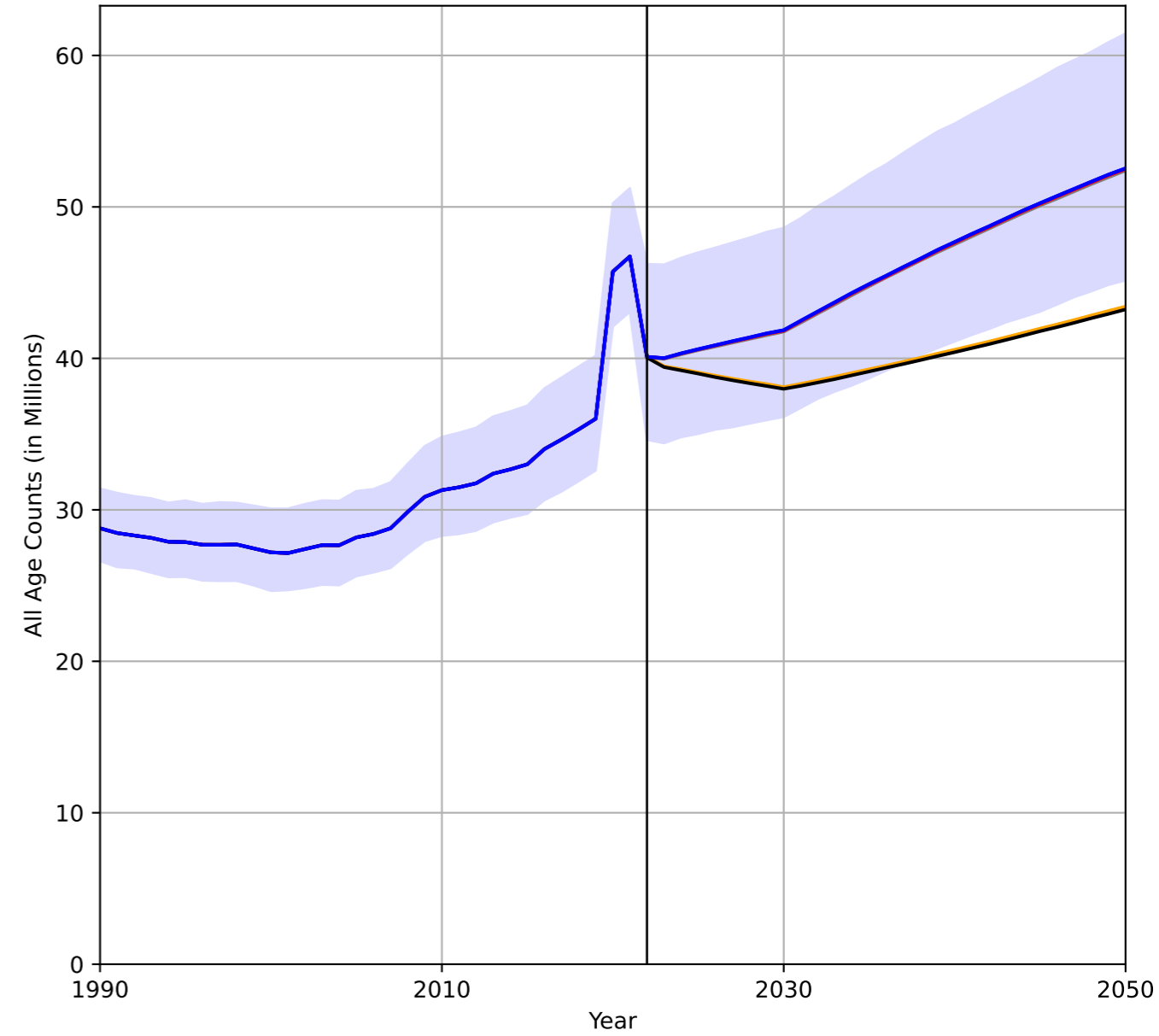
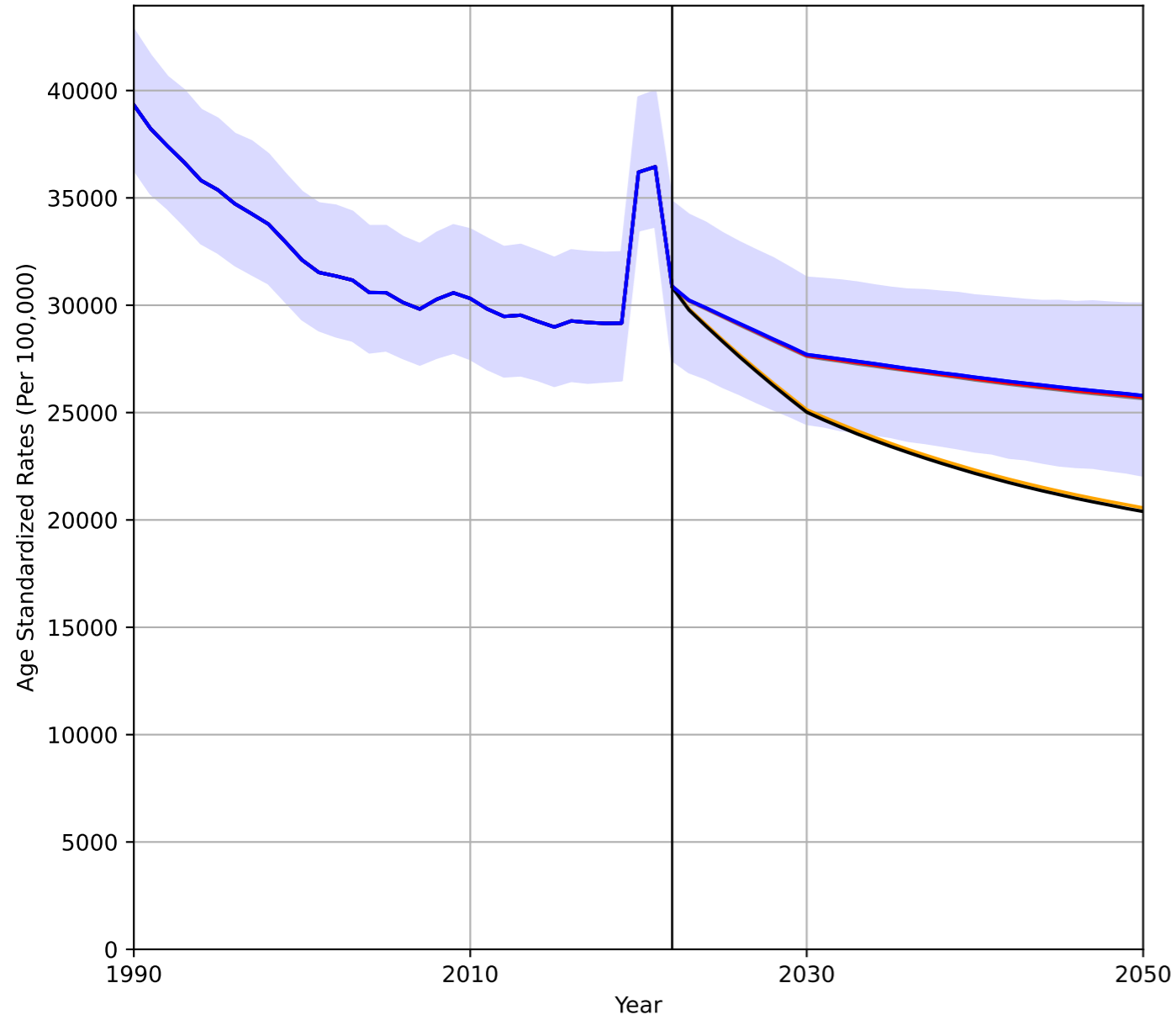
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# Mexico

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

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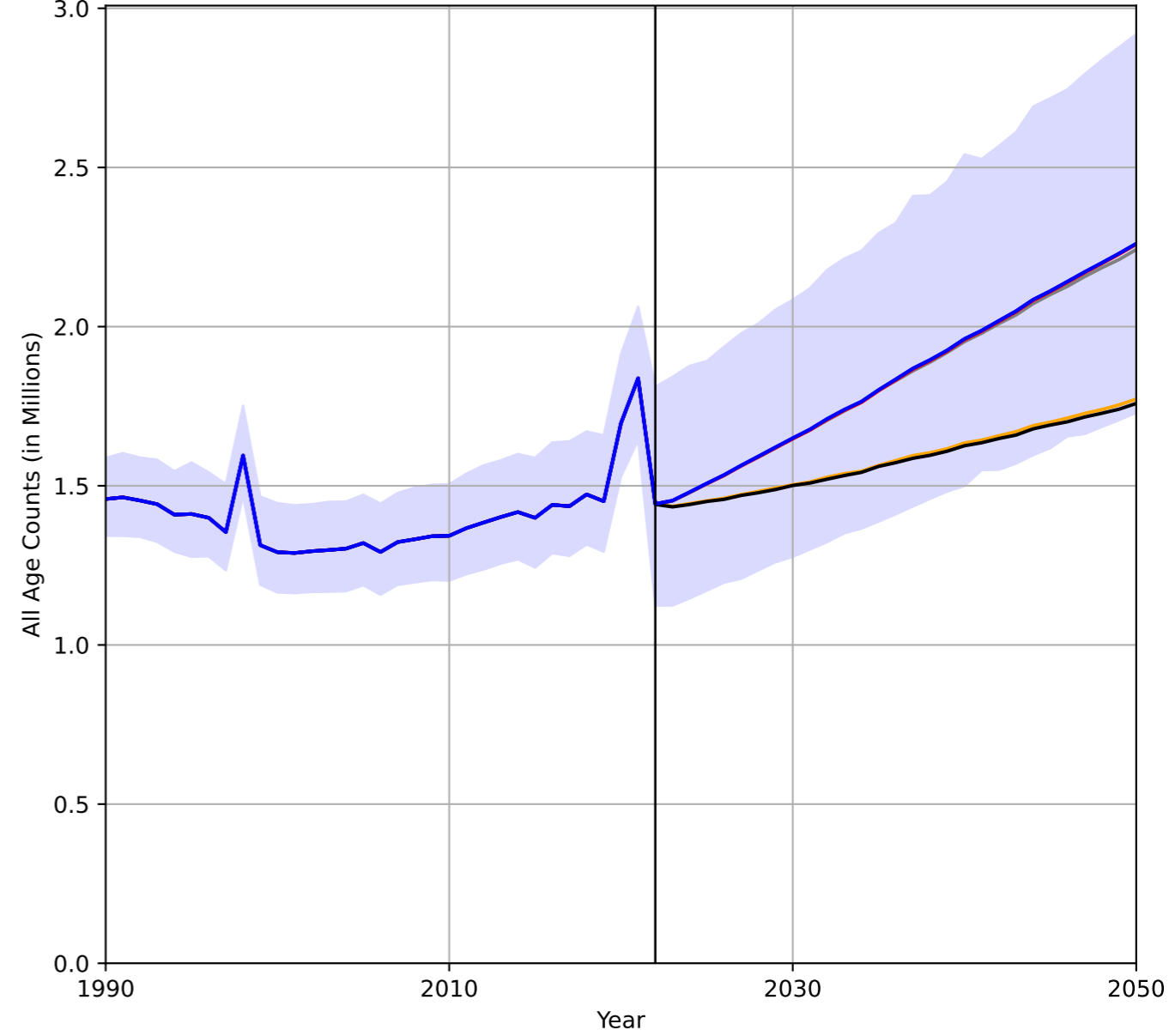
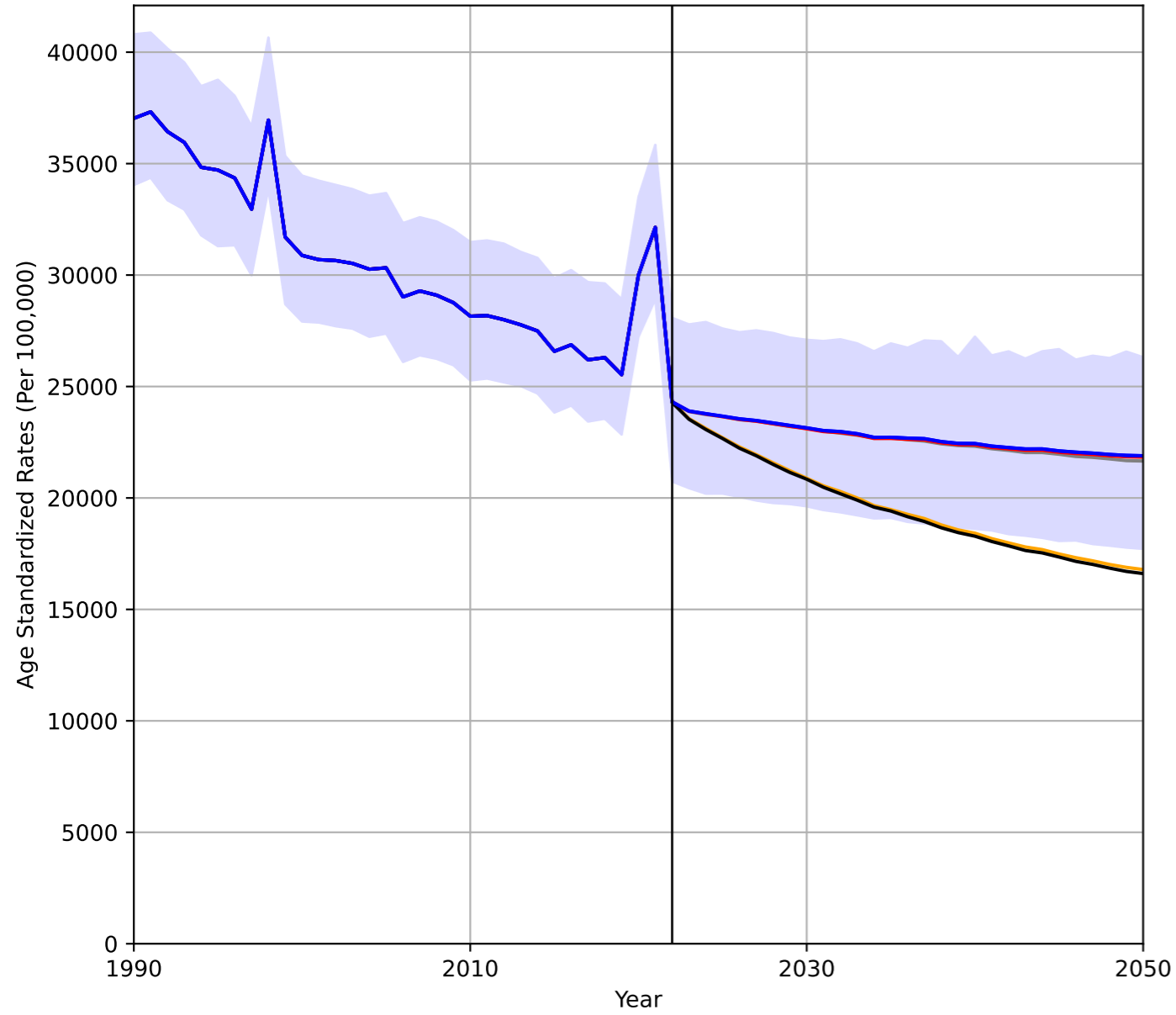




# Nicaragua

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

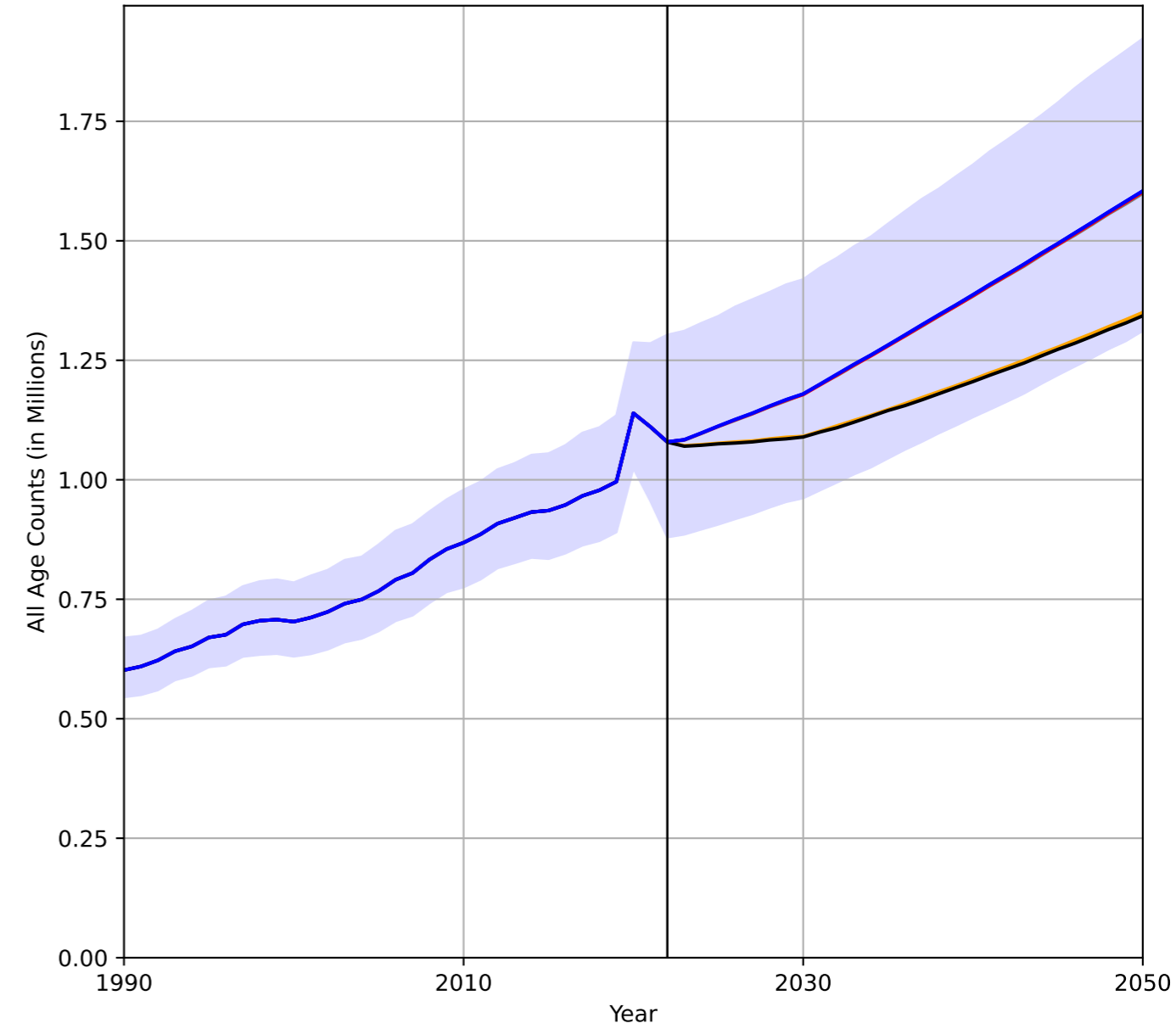
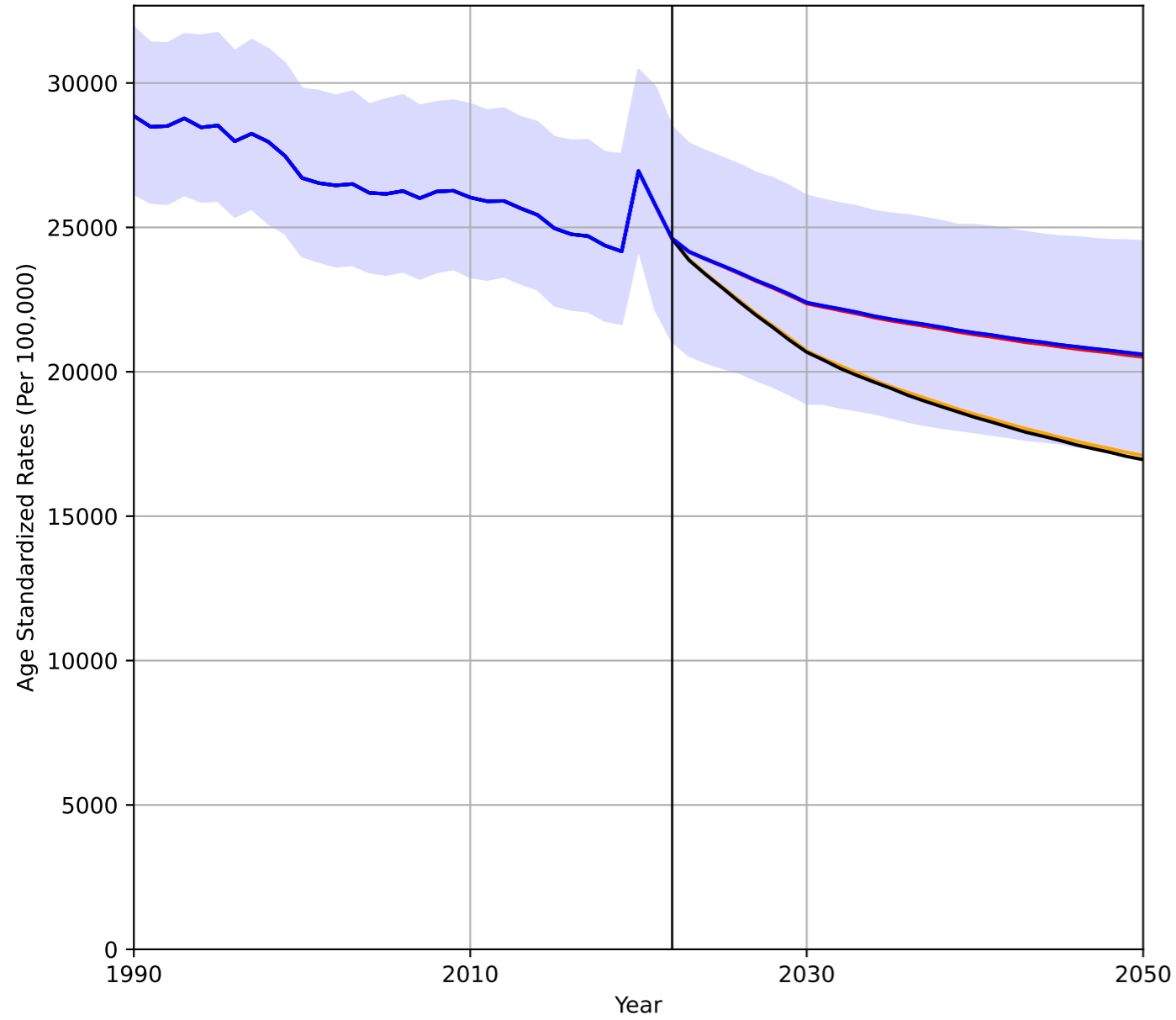
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# Panama

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

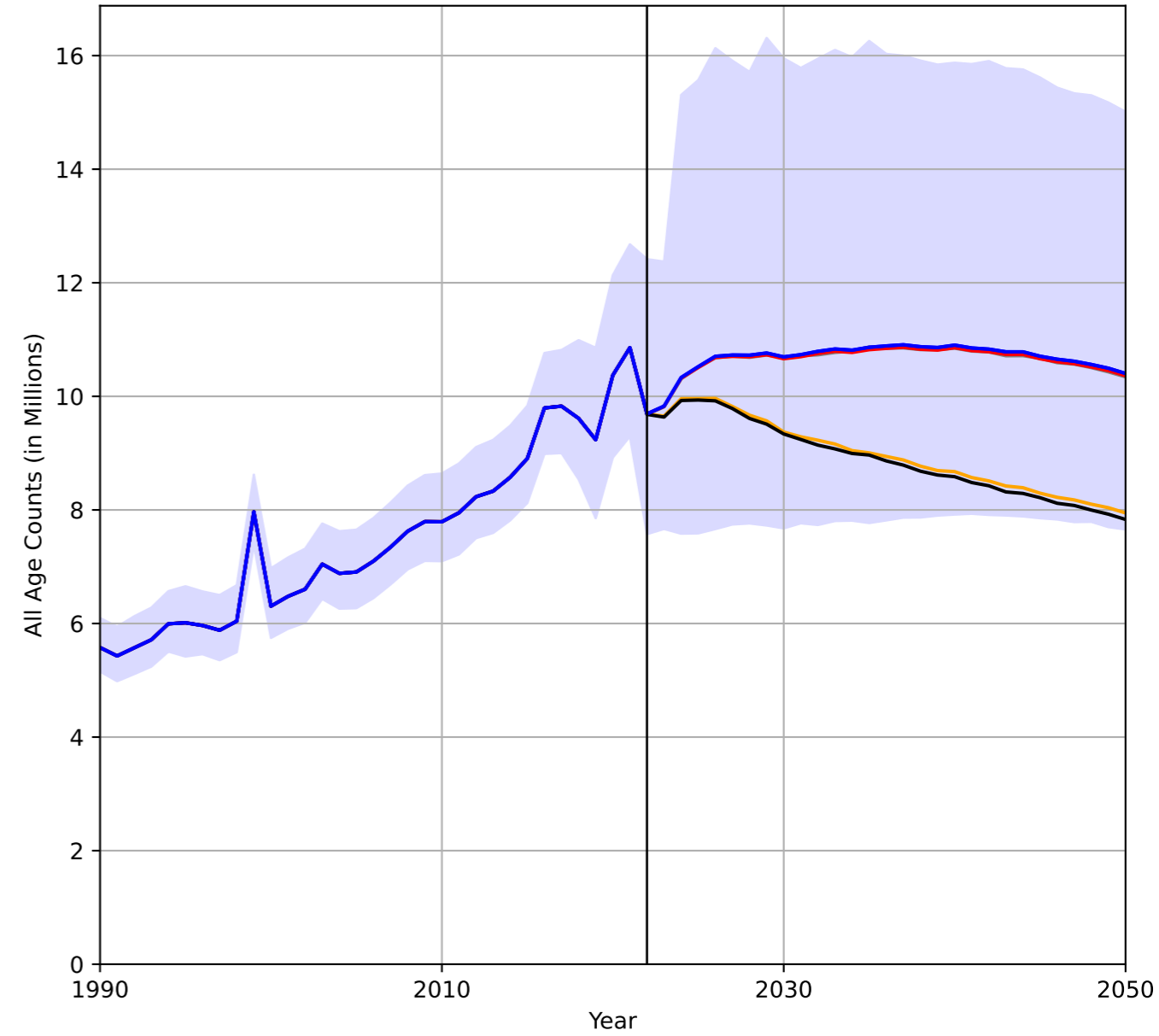
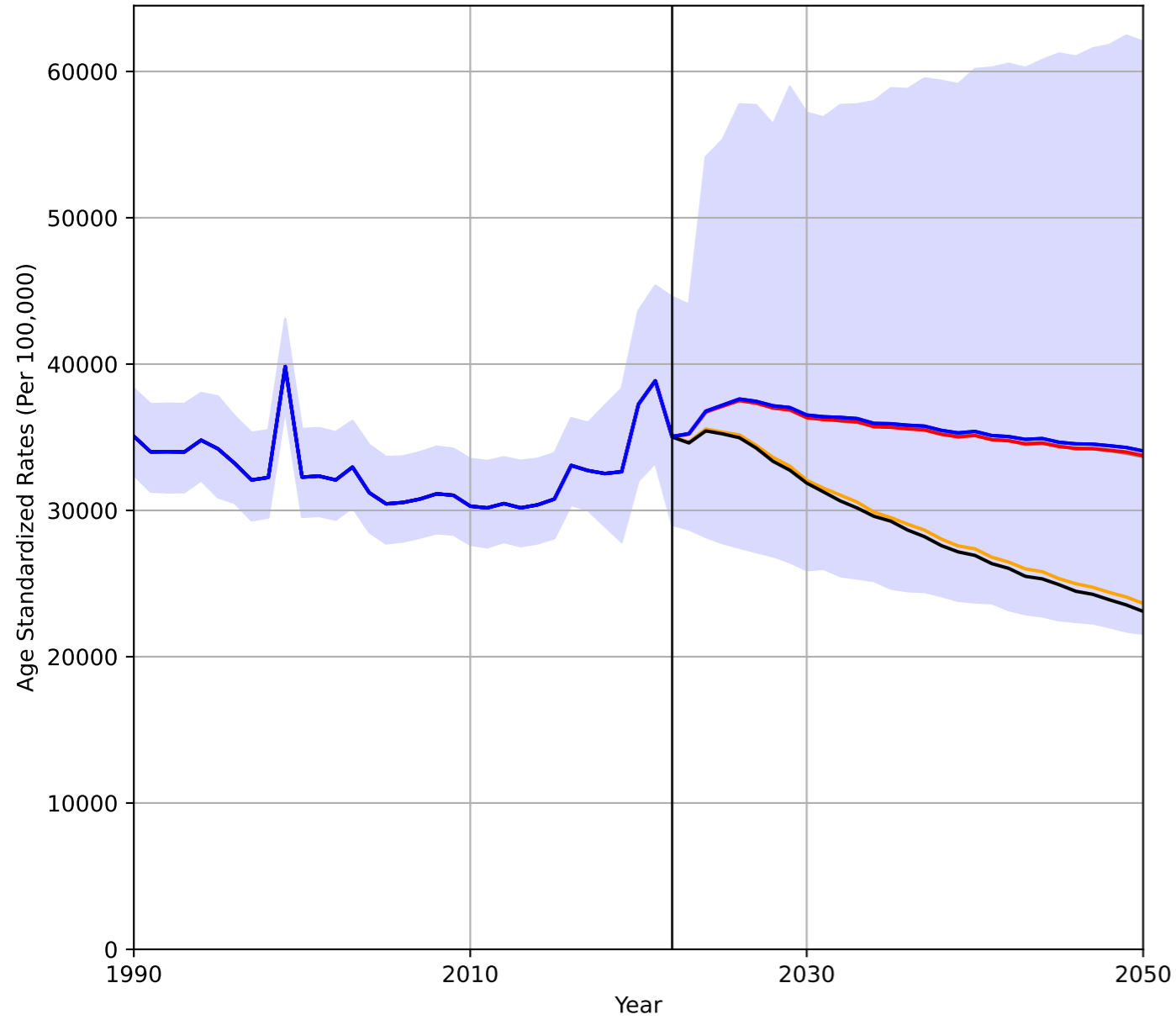
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# Venezuela

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

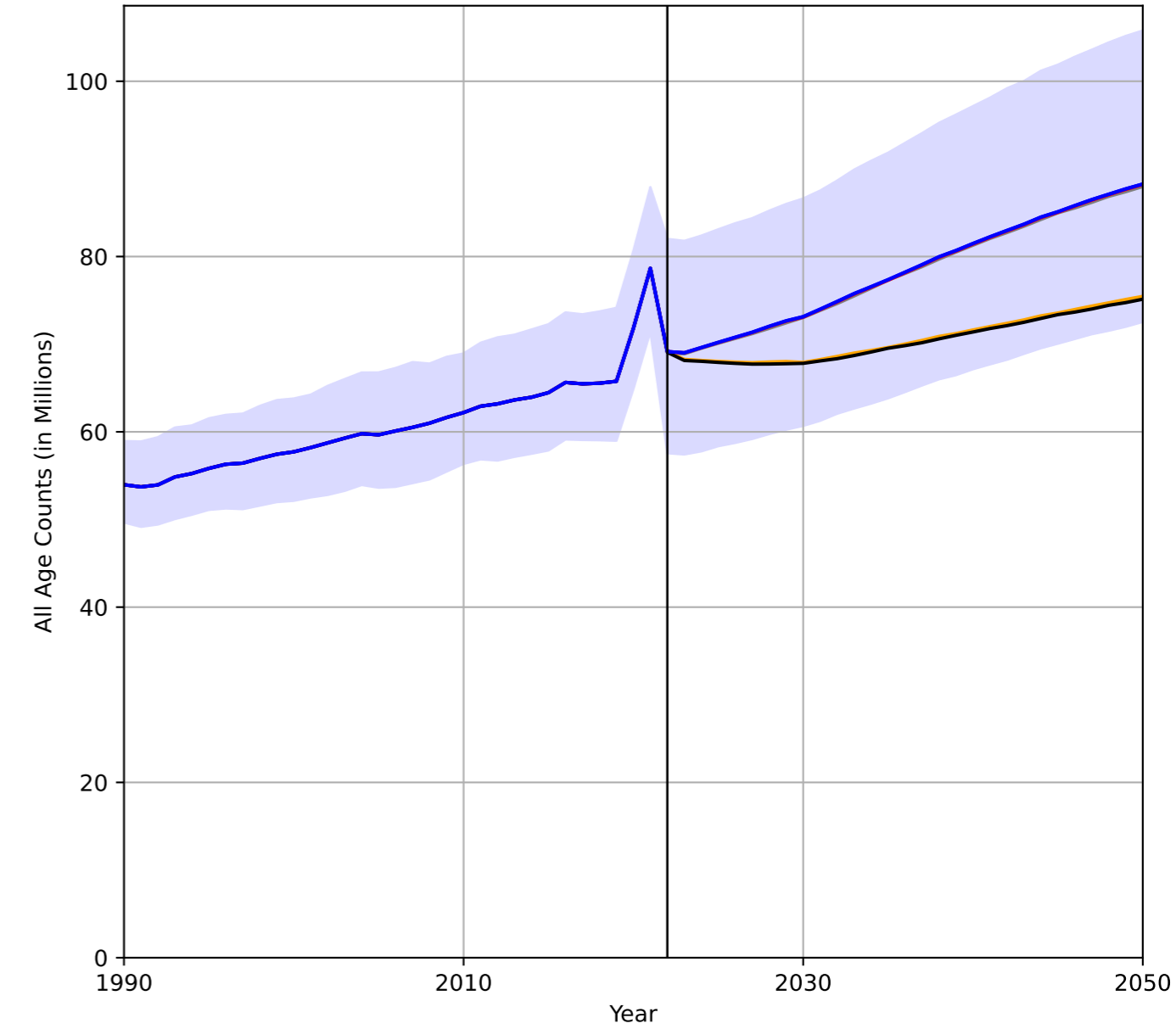
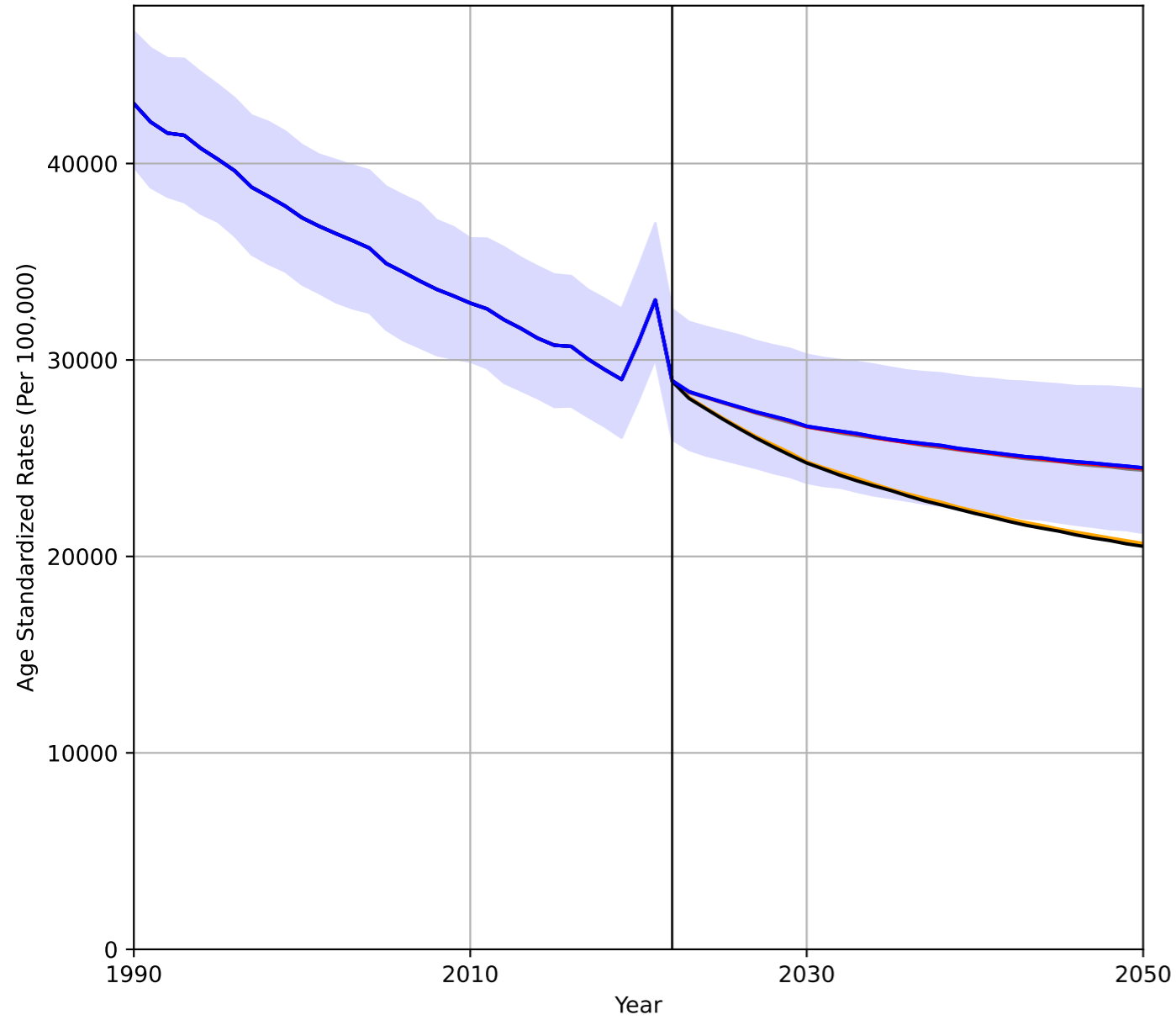
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# Brazil

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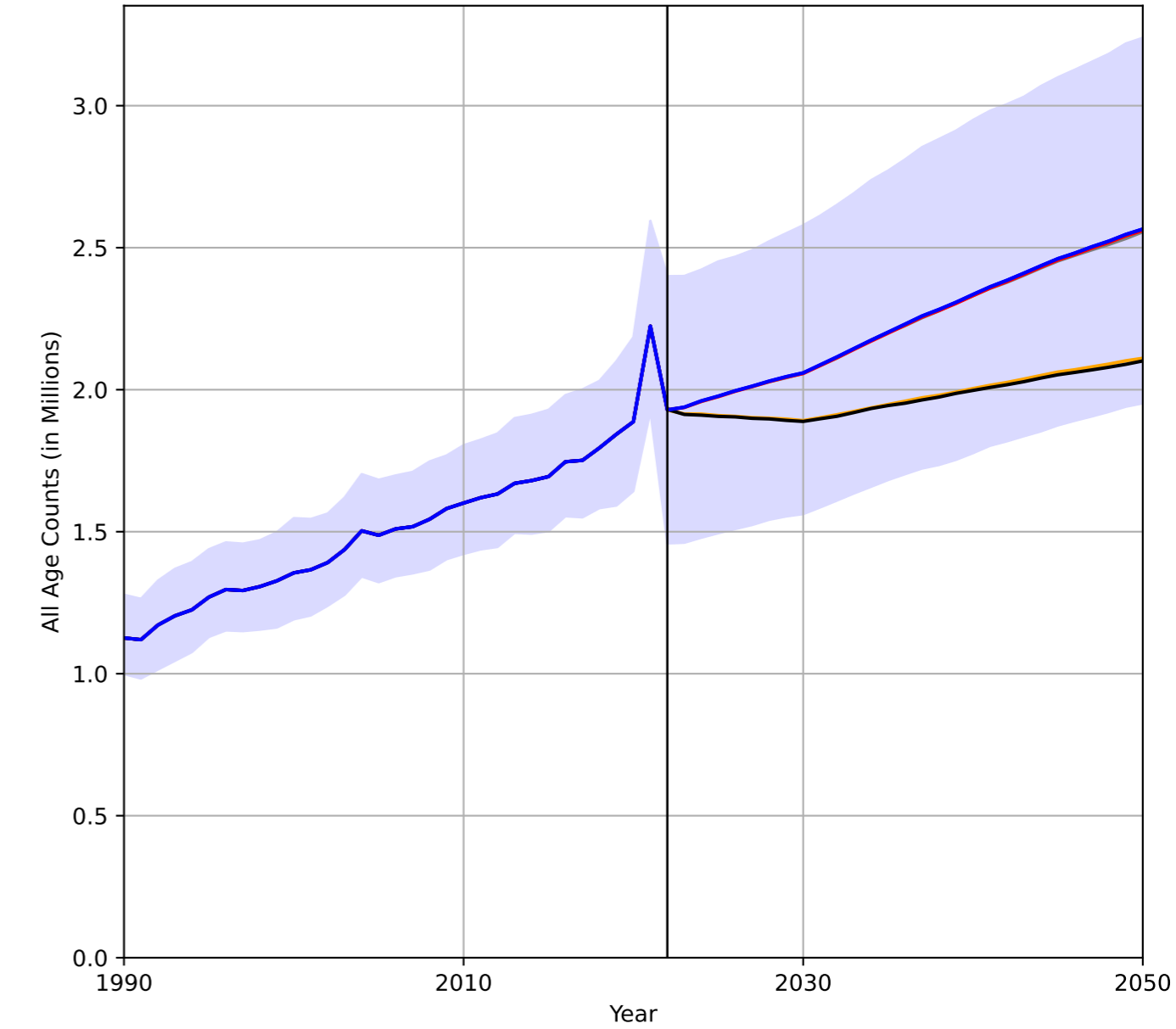
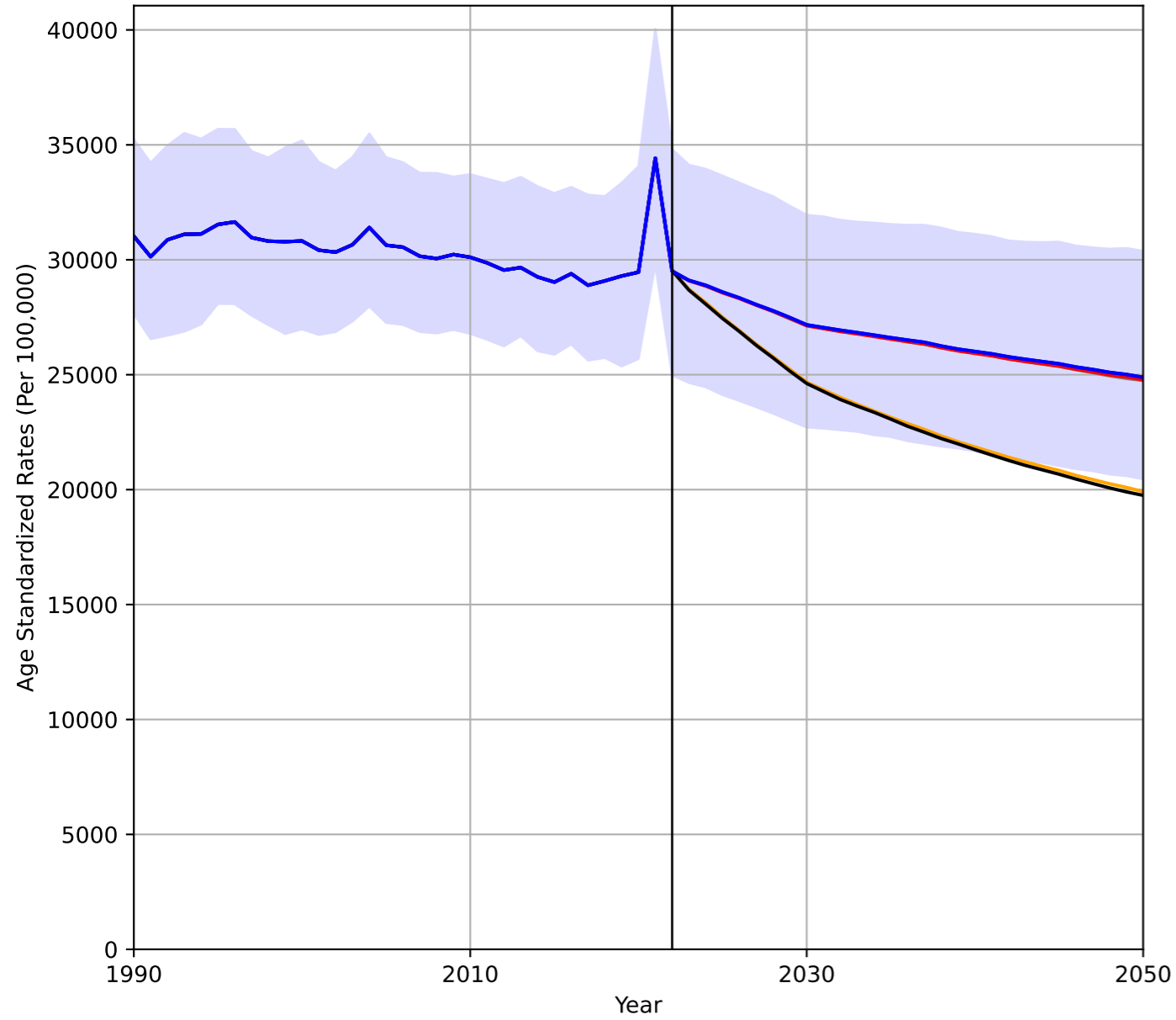
1507



# Paraguay

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

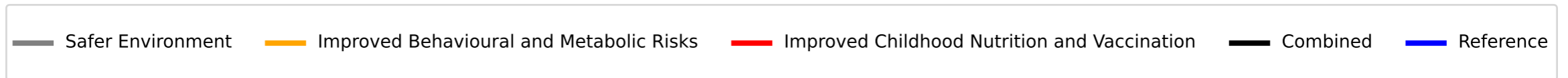
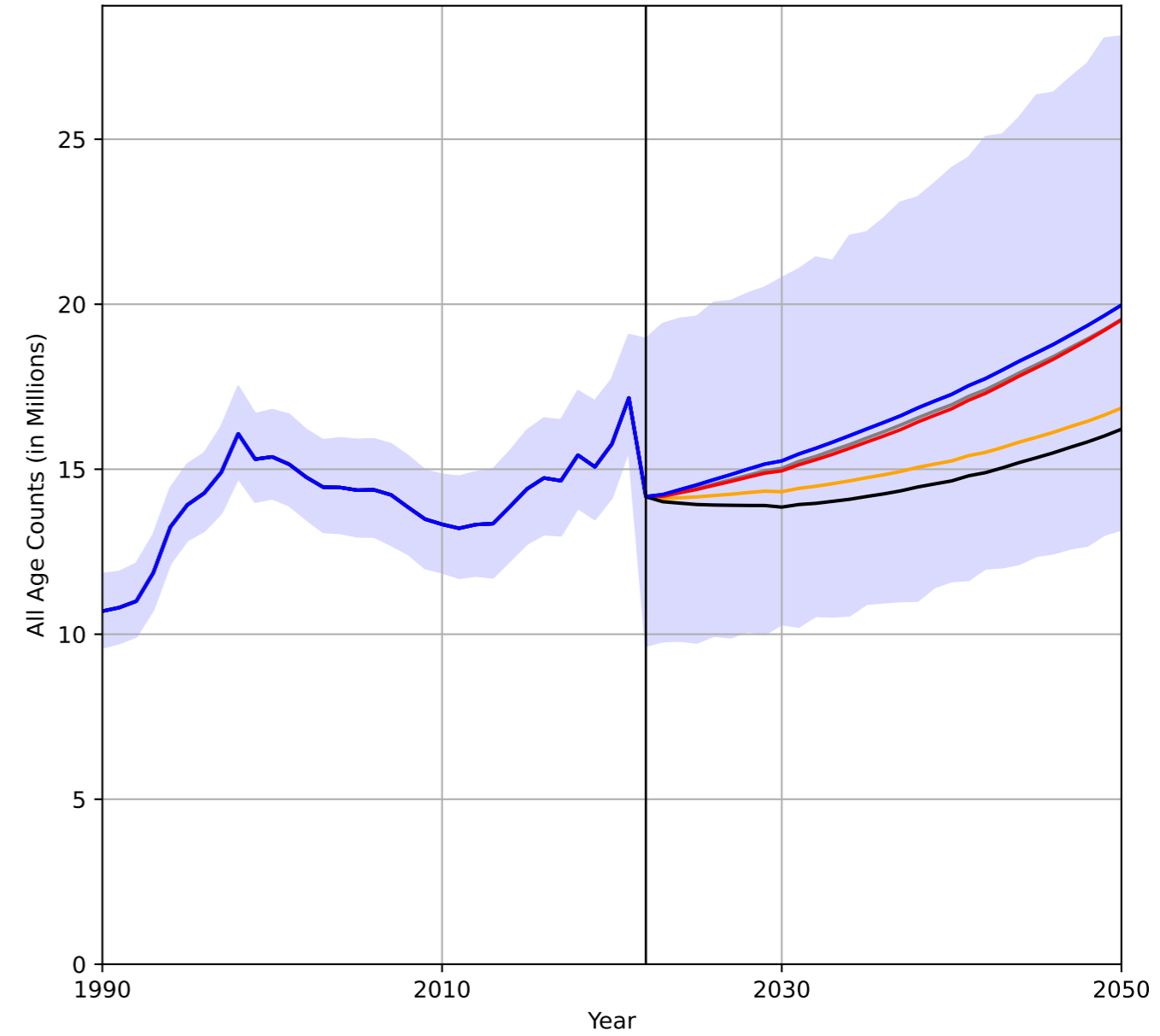
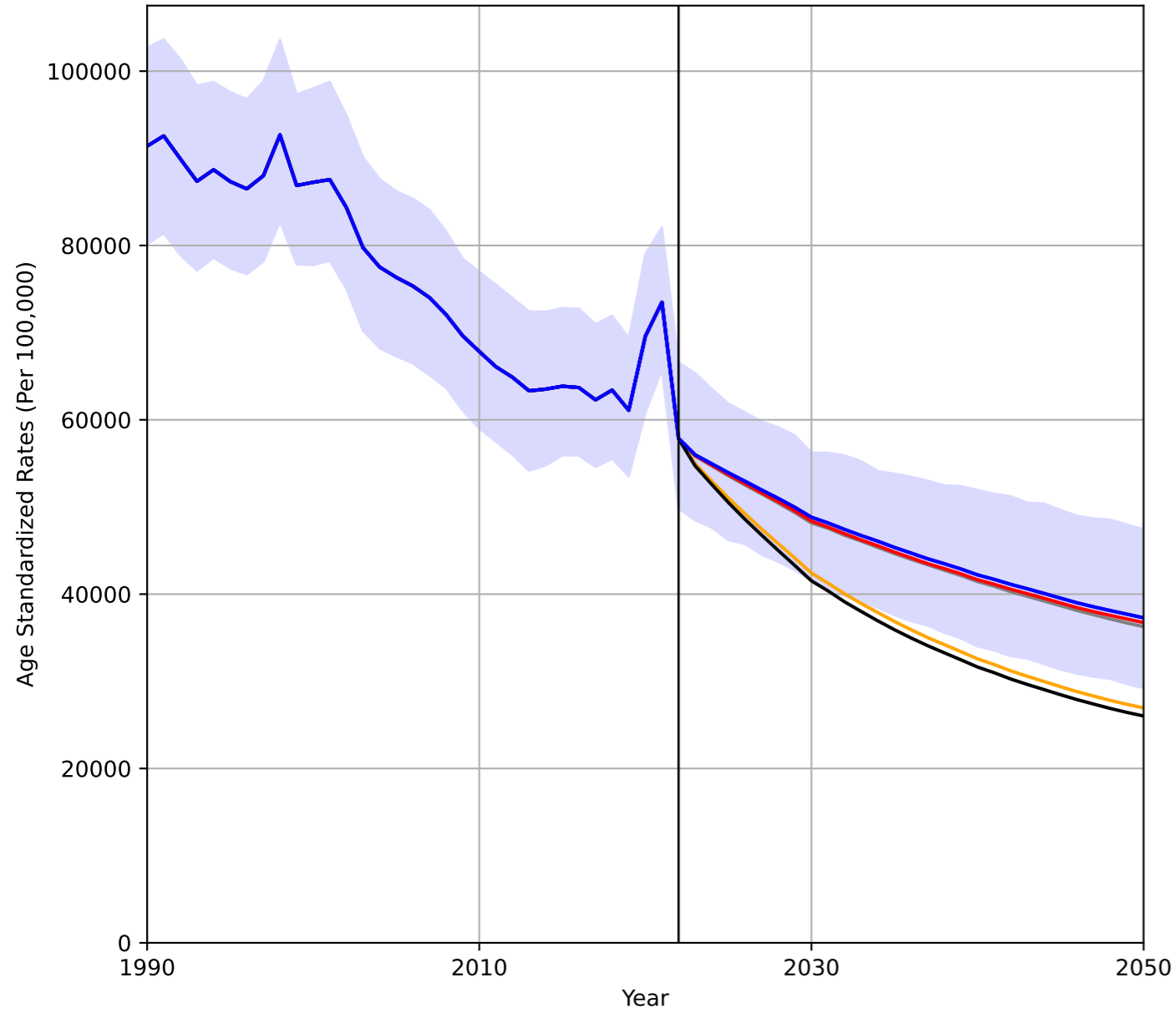
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# Afghanistan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

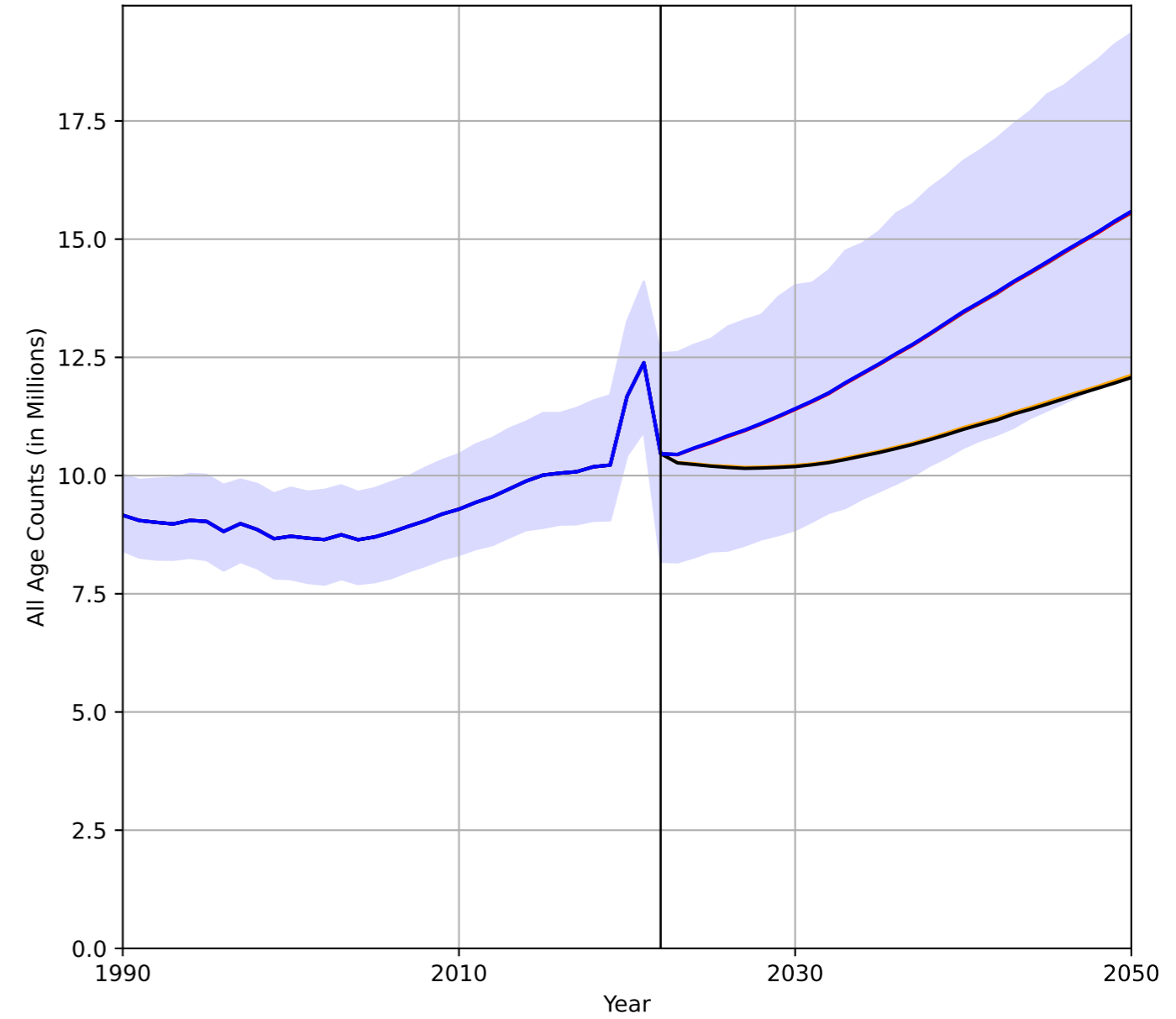
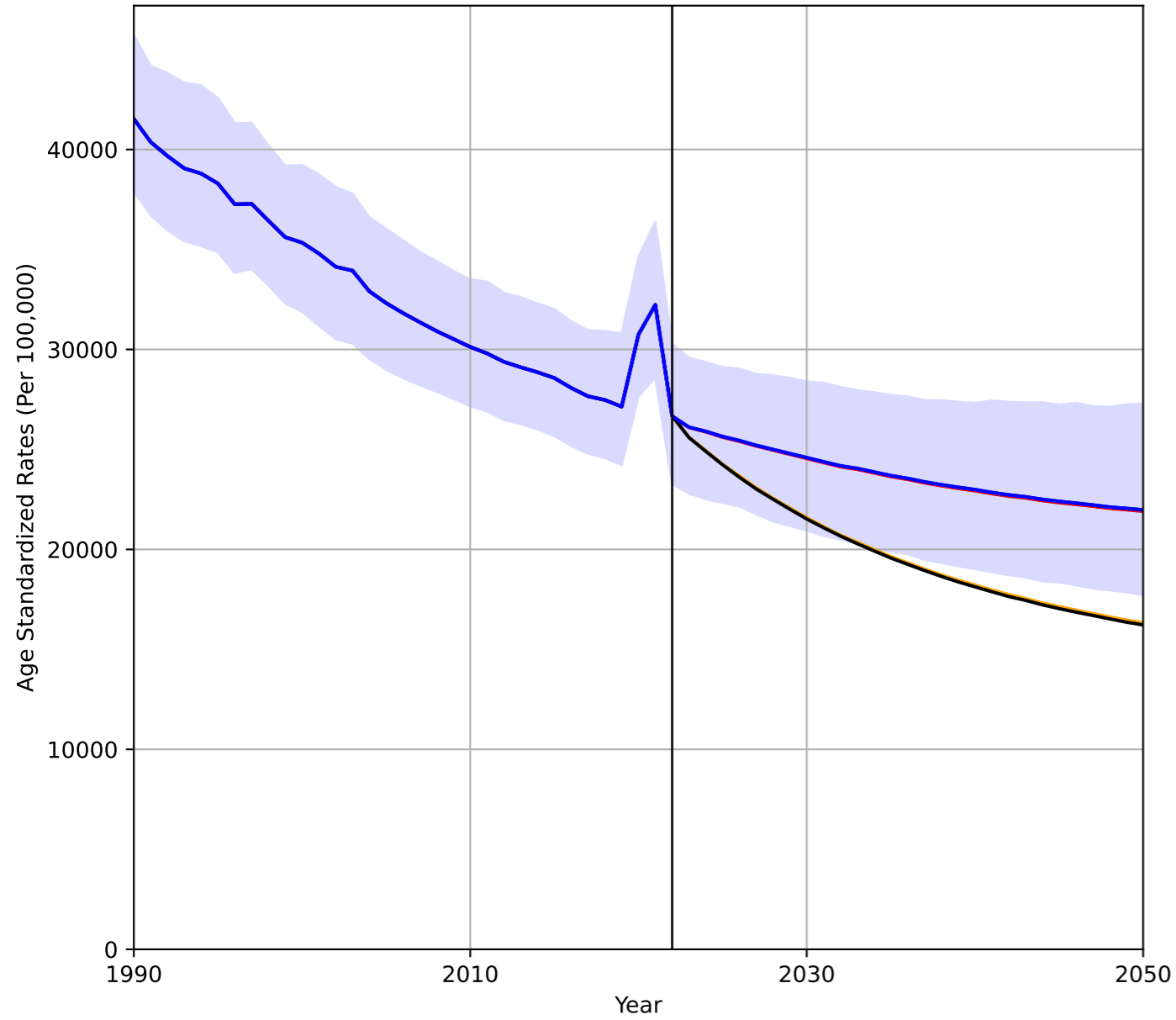
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# Algeria

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

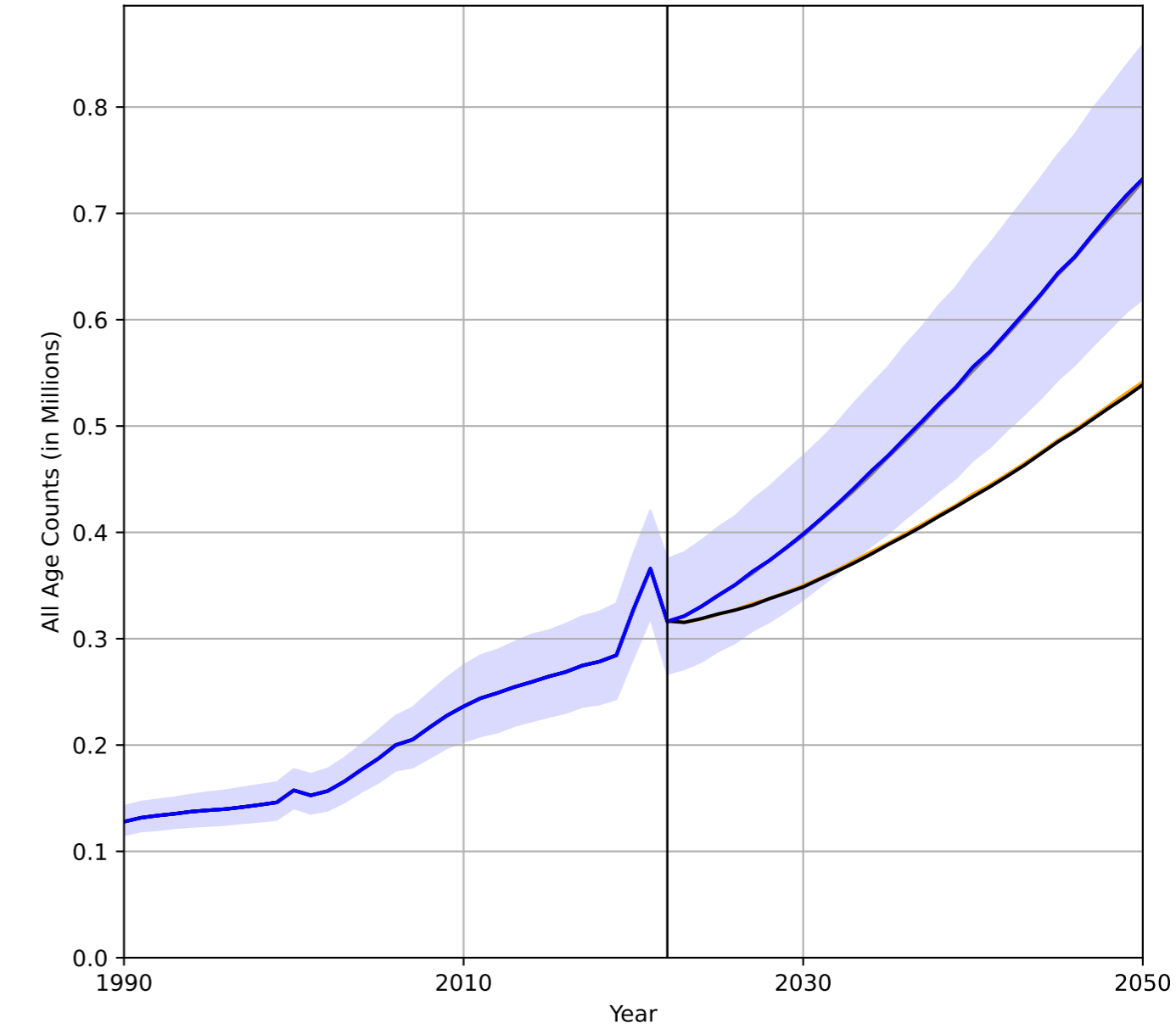
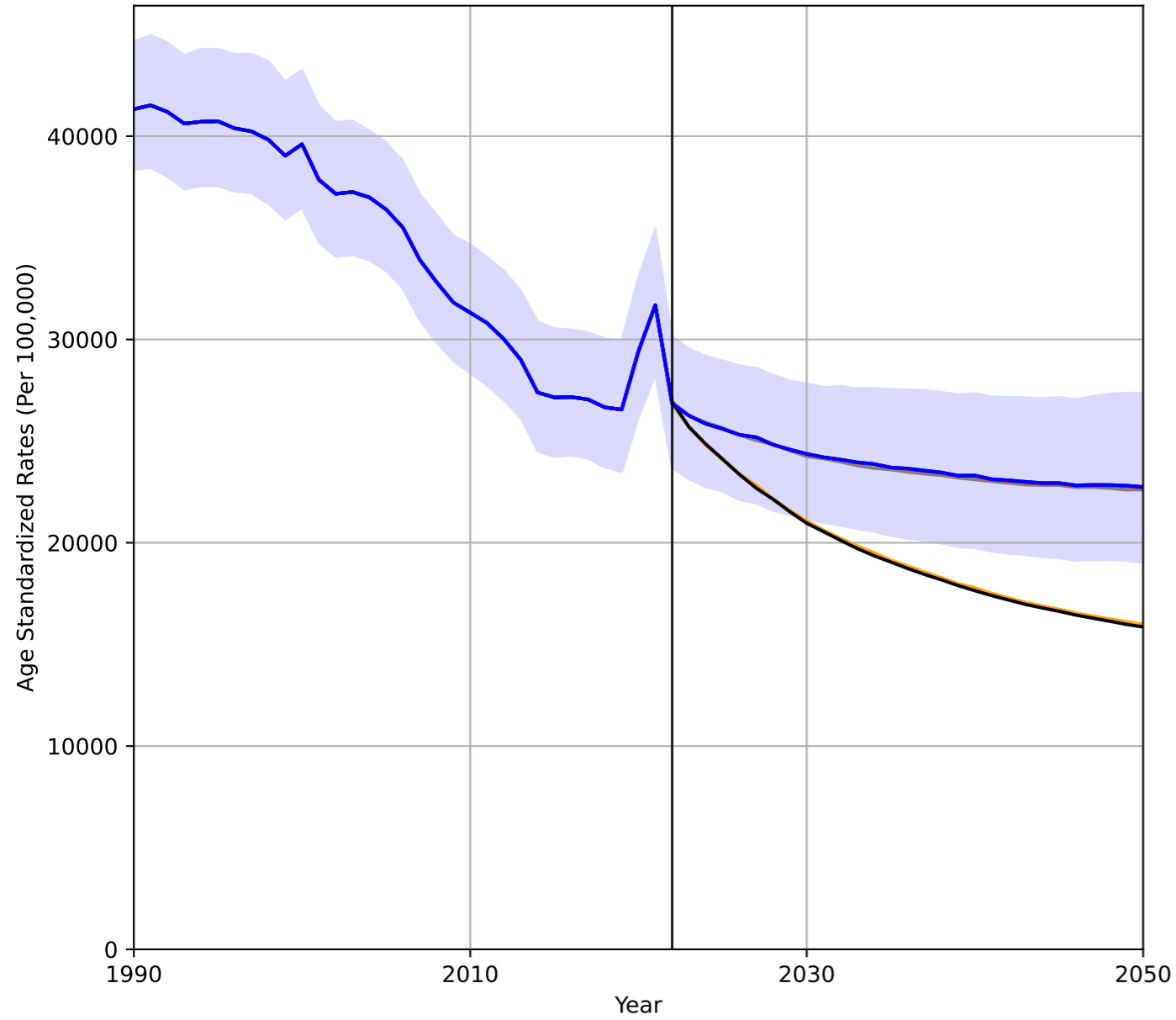
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# Bahrain

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1511

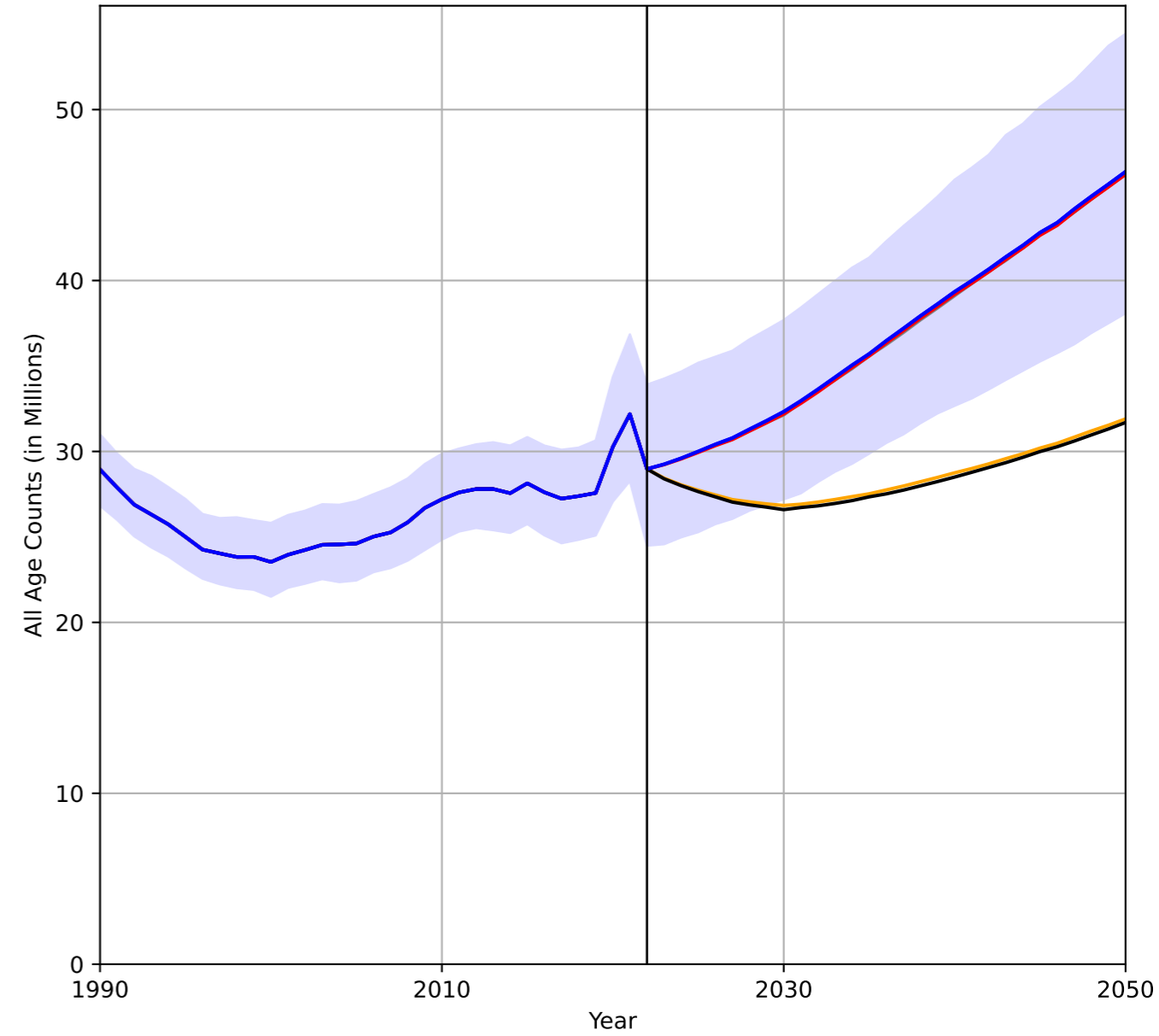
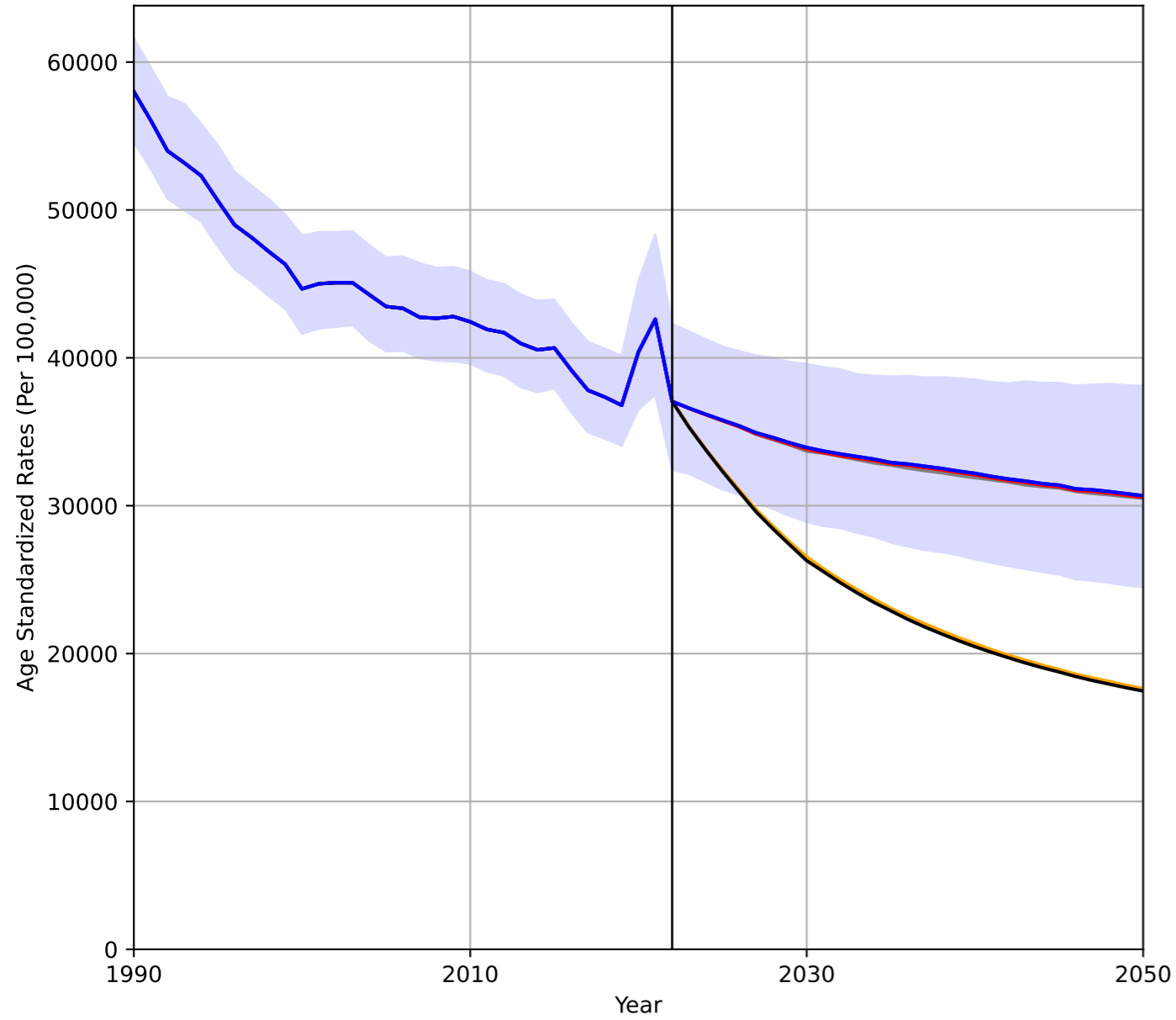




# Egypt

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

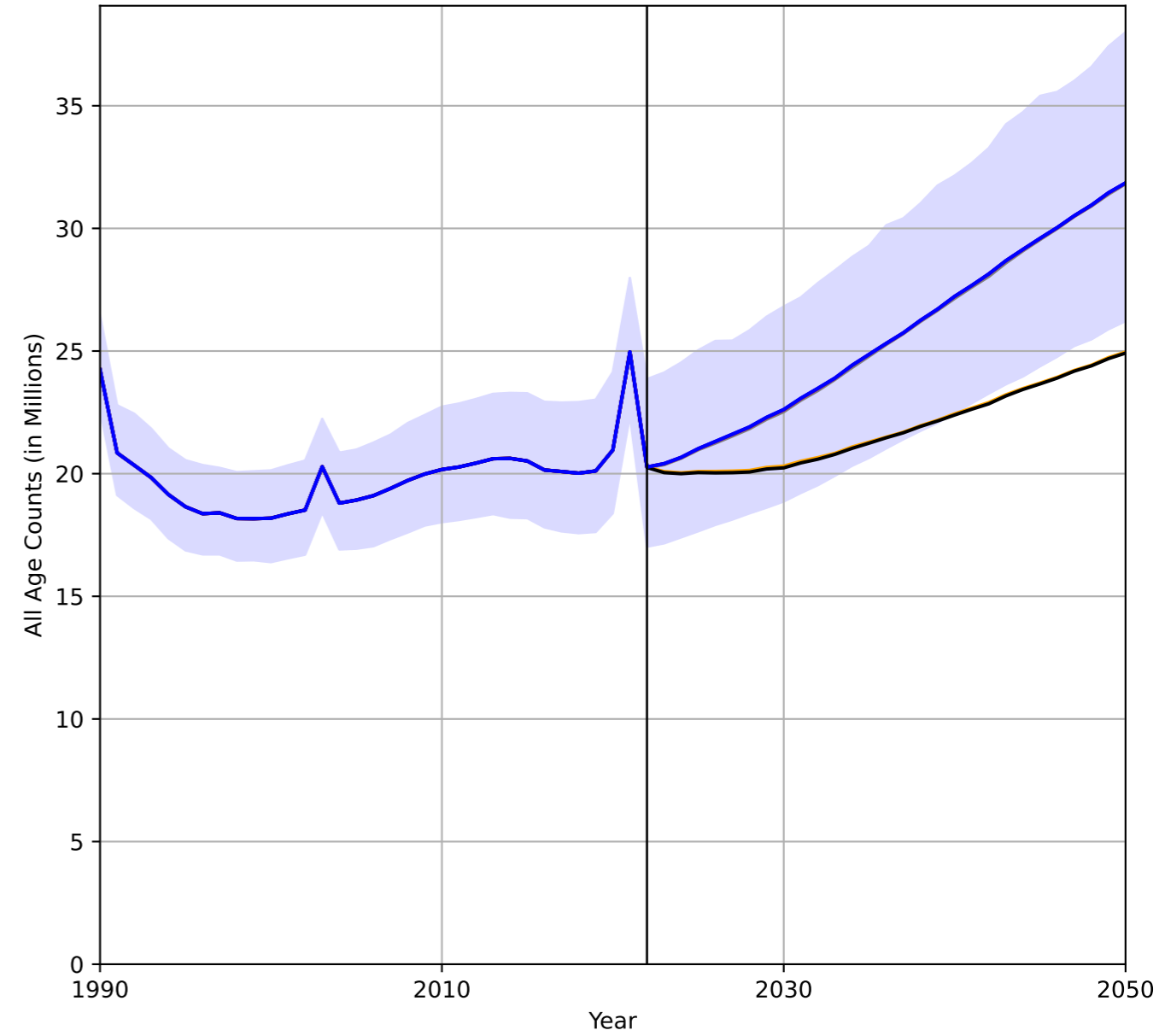
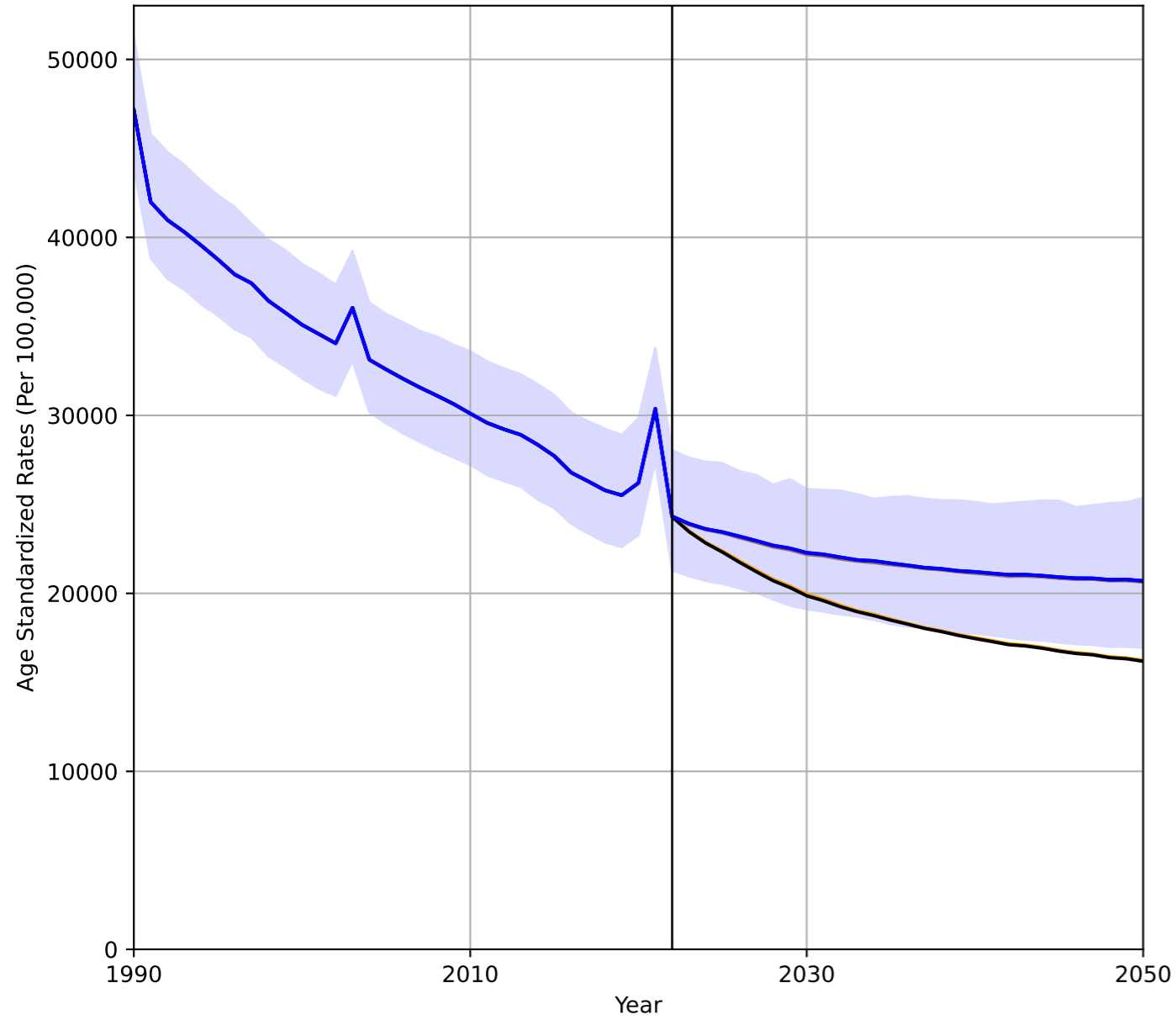
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# Iran

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

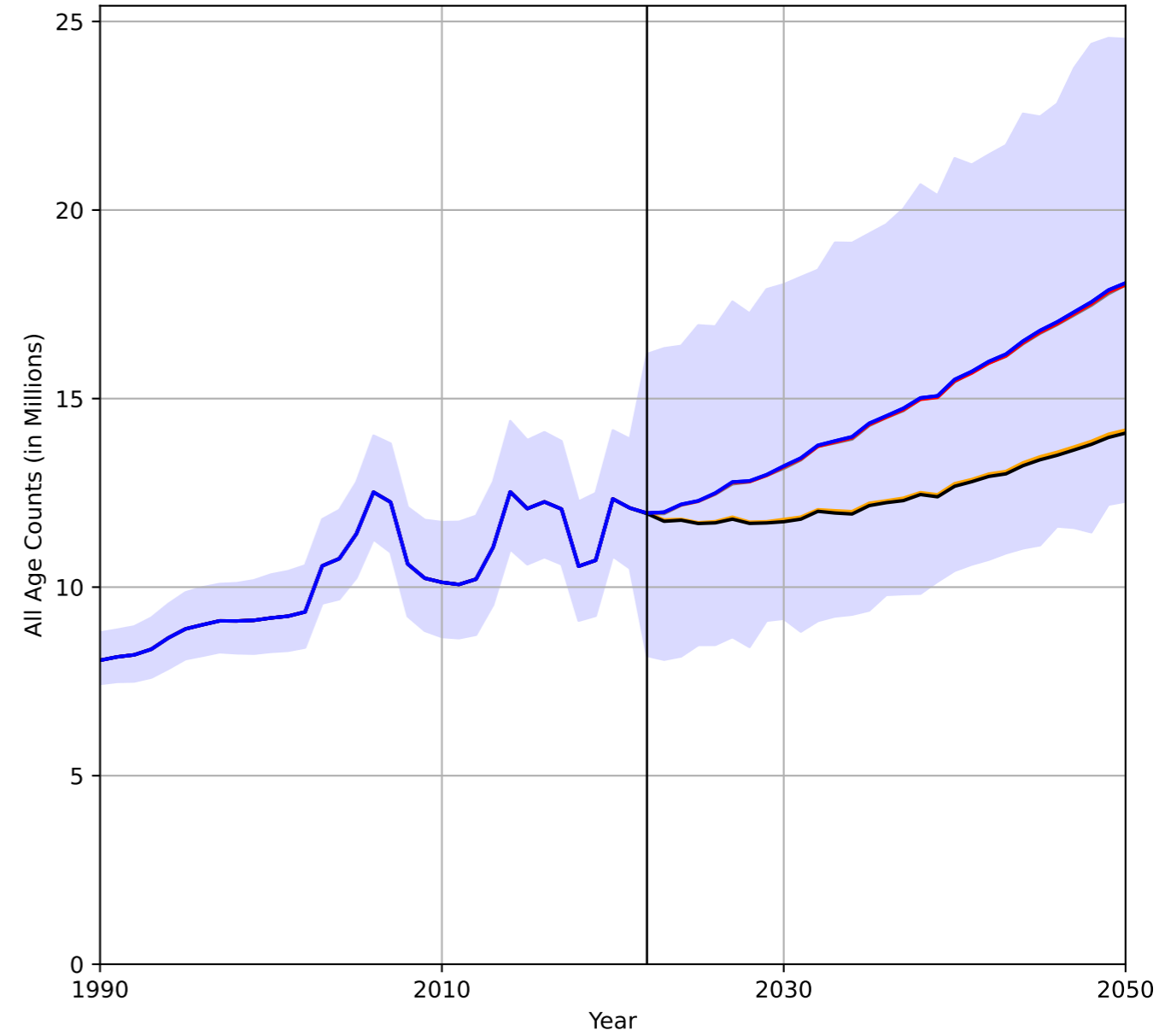
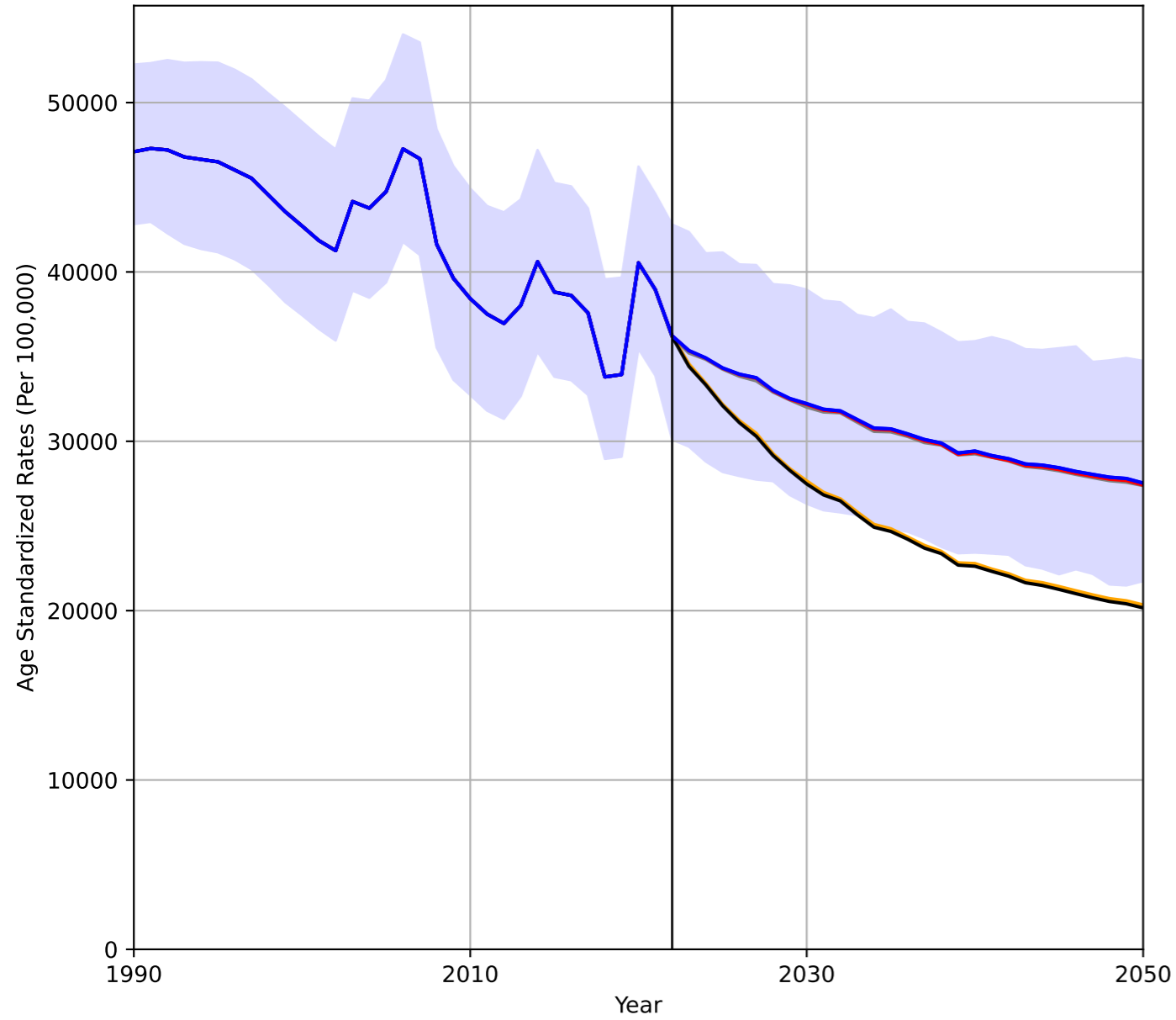
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# Iraq

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

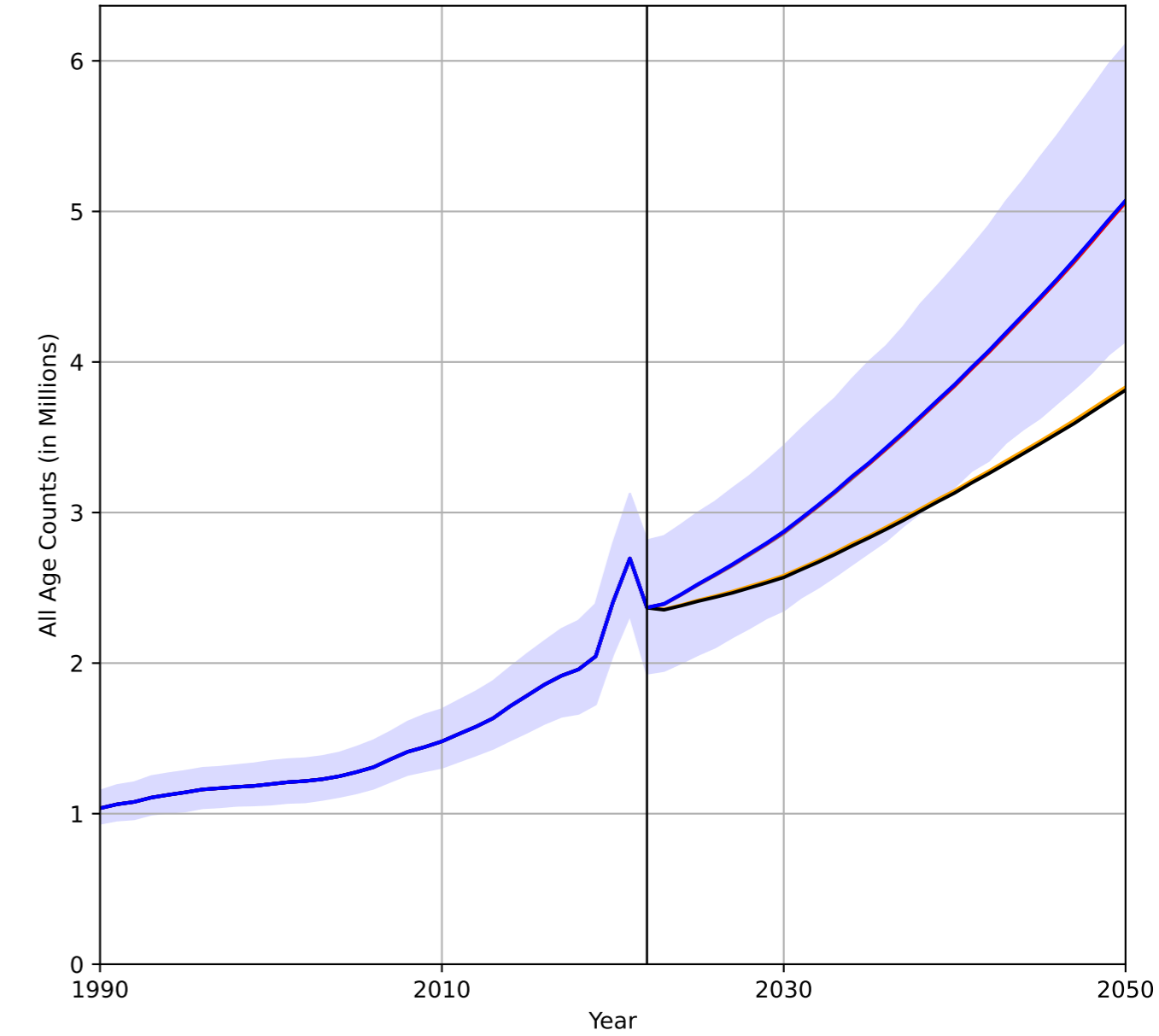
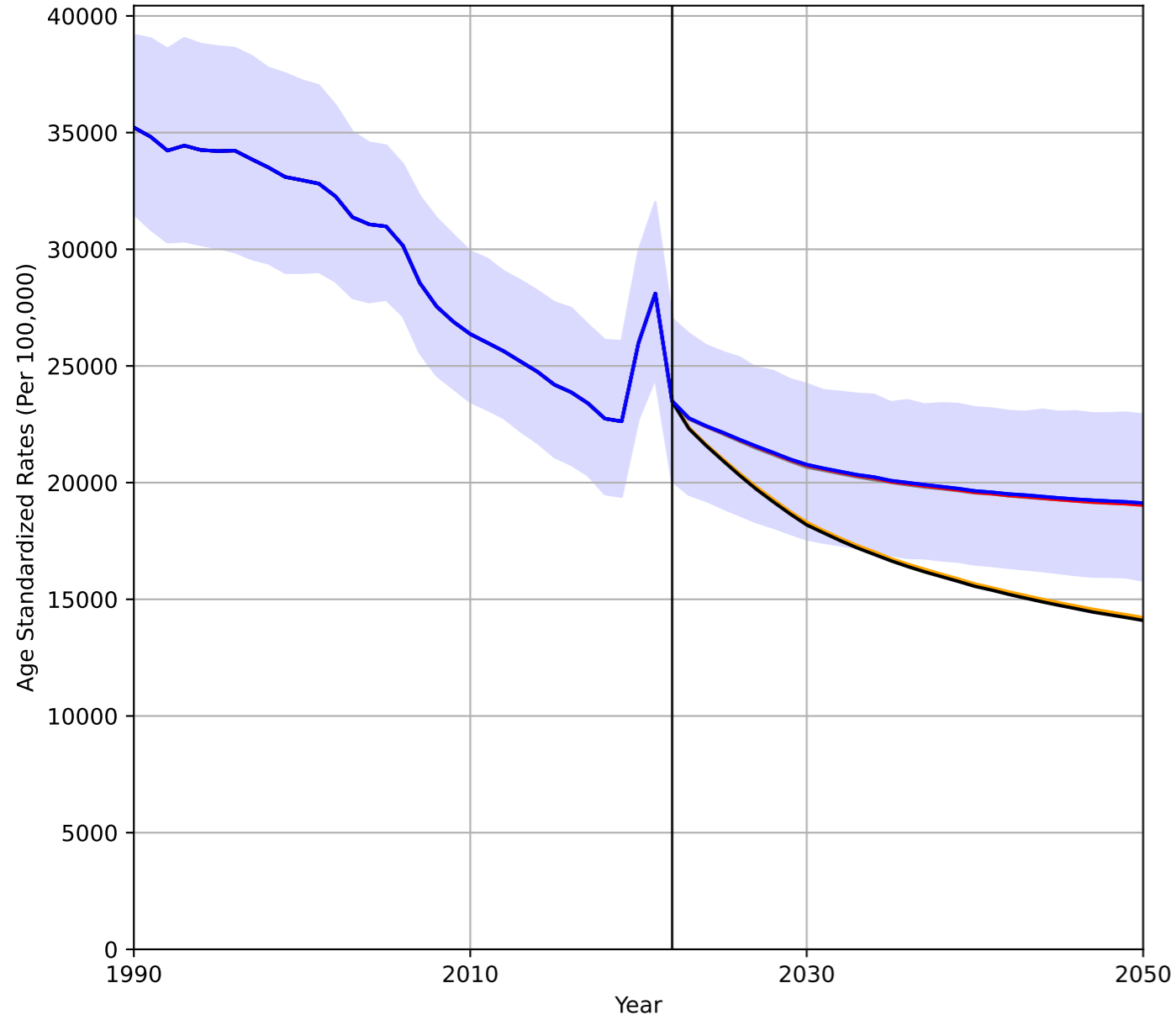
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# Jordan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

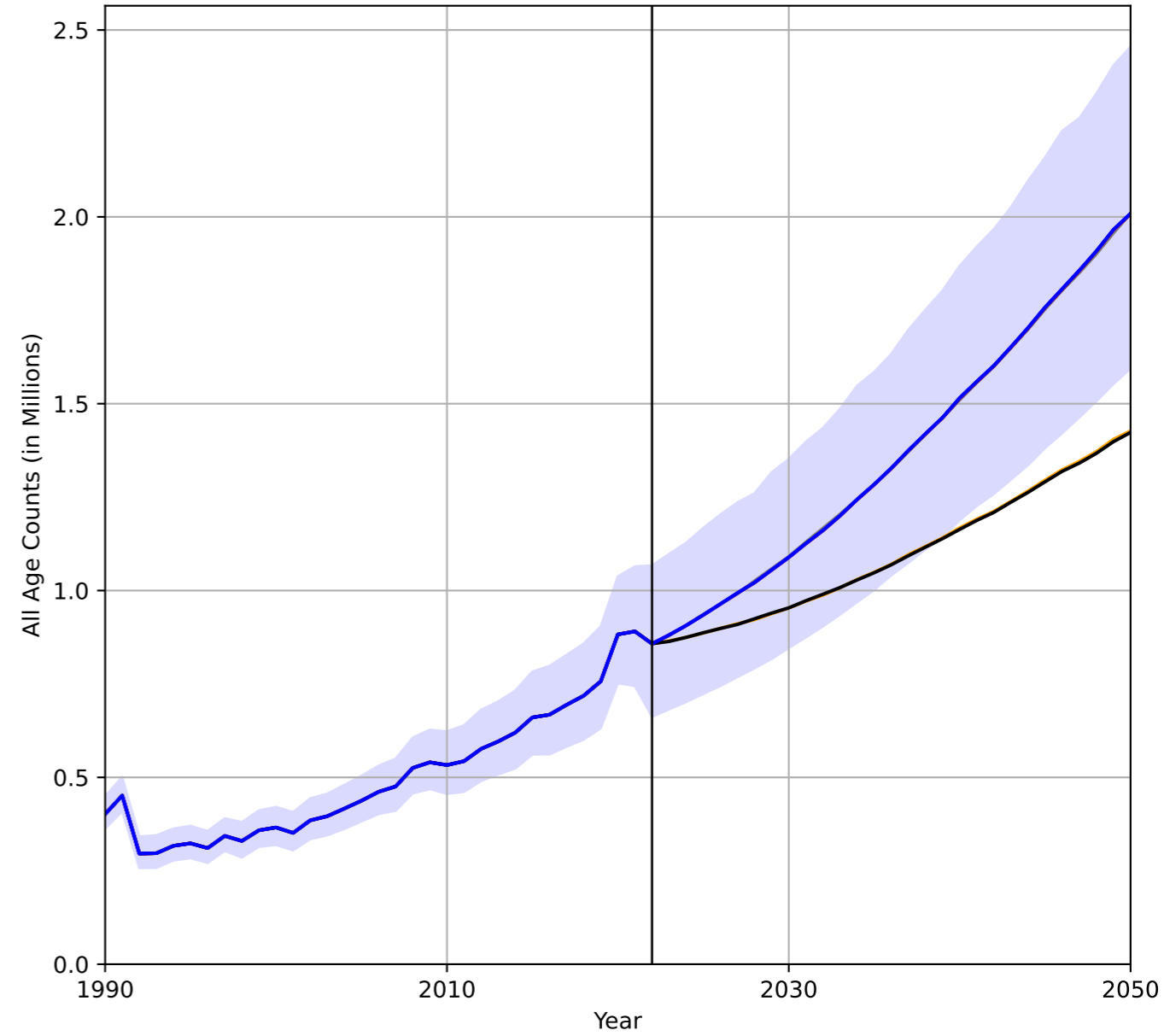
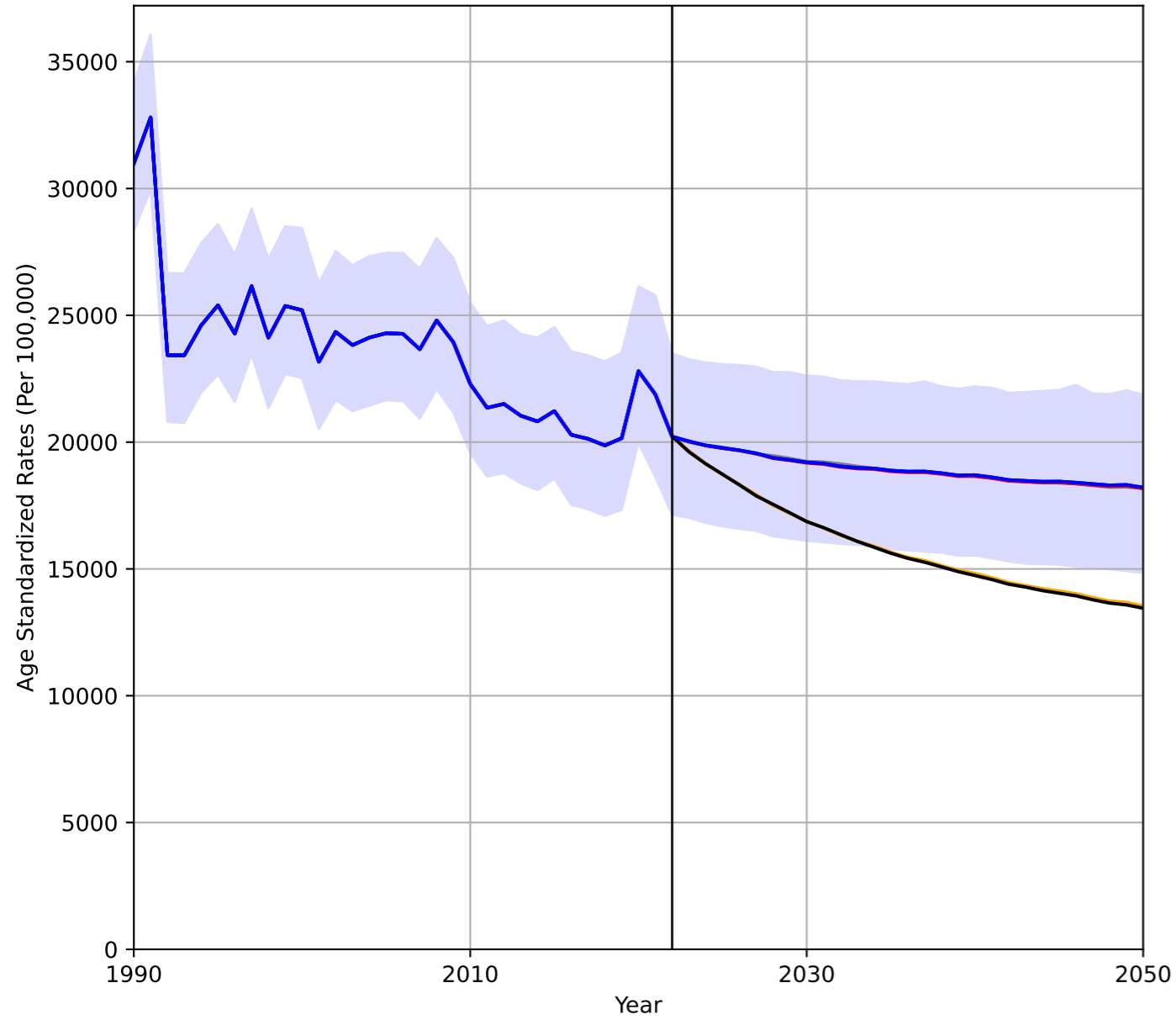
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# Kuwait

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

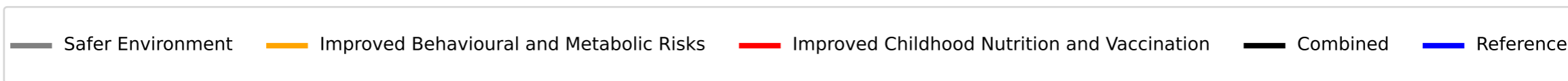
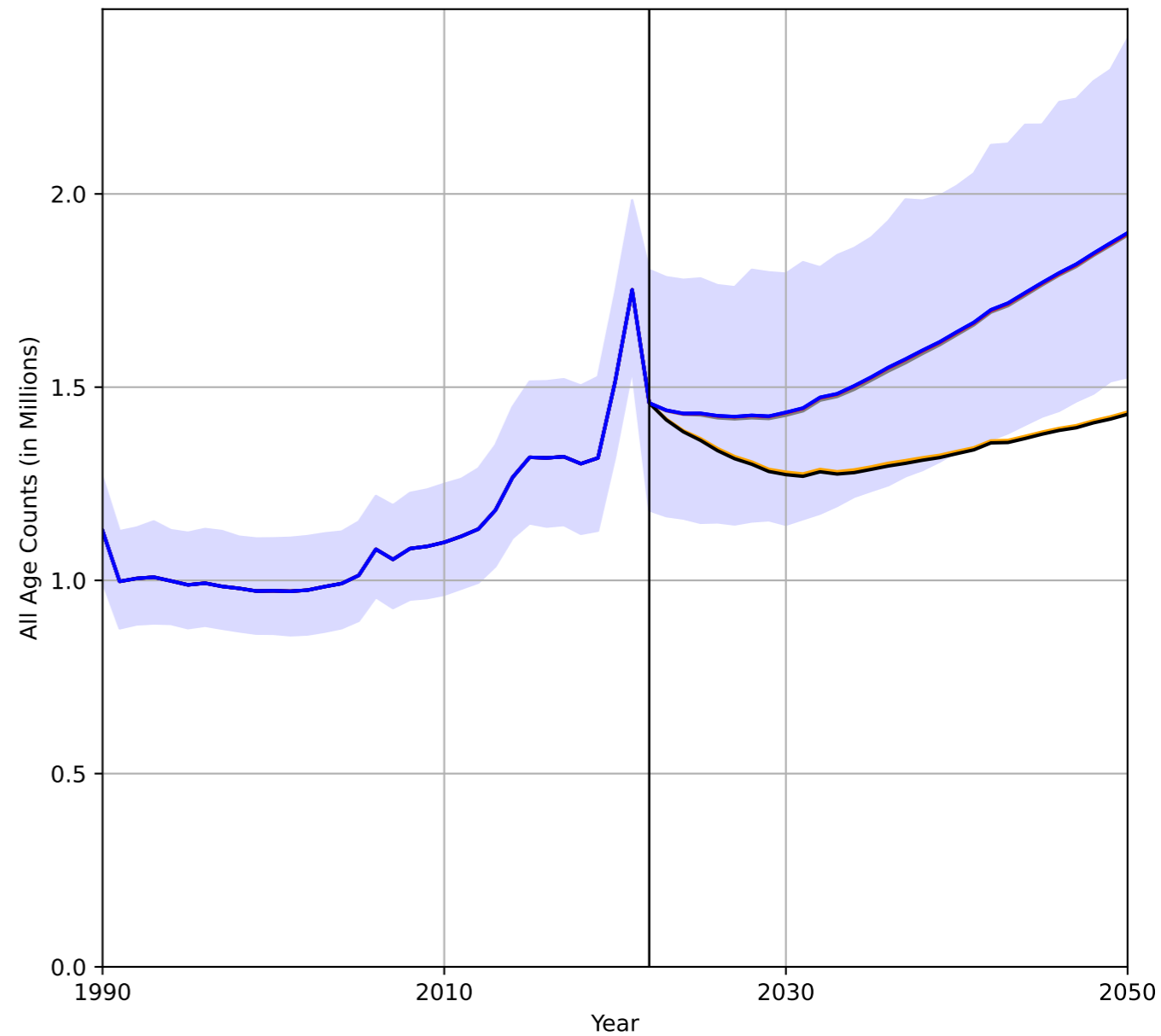
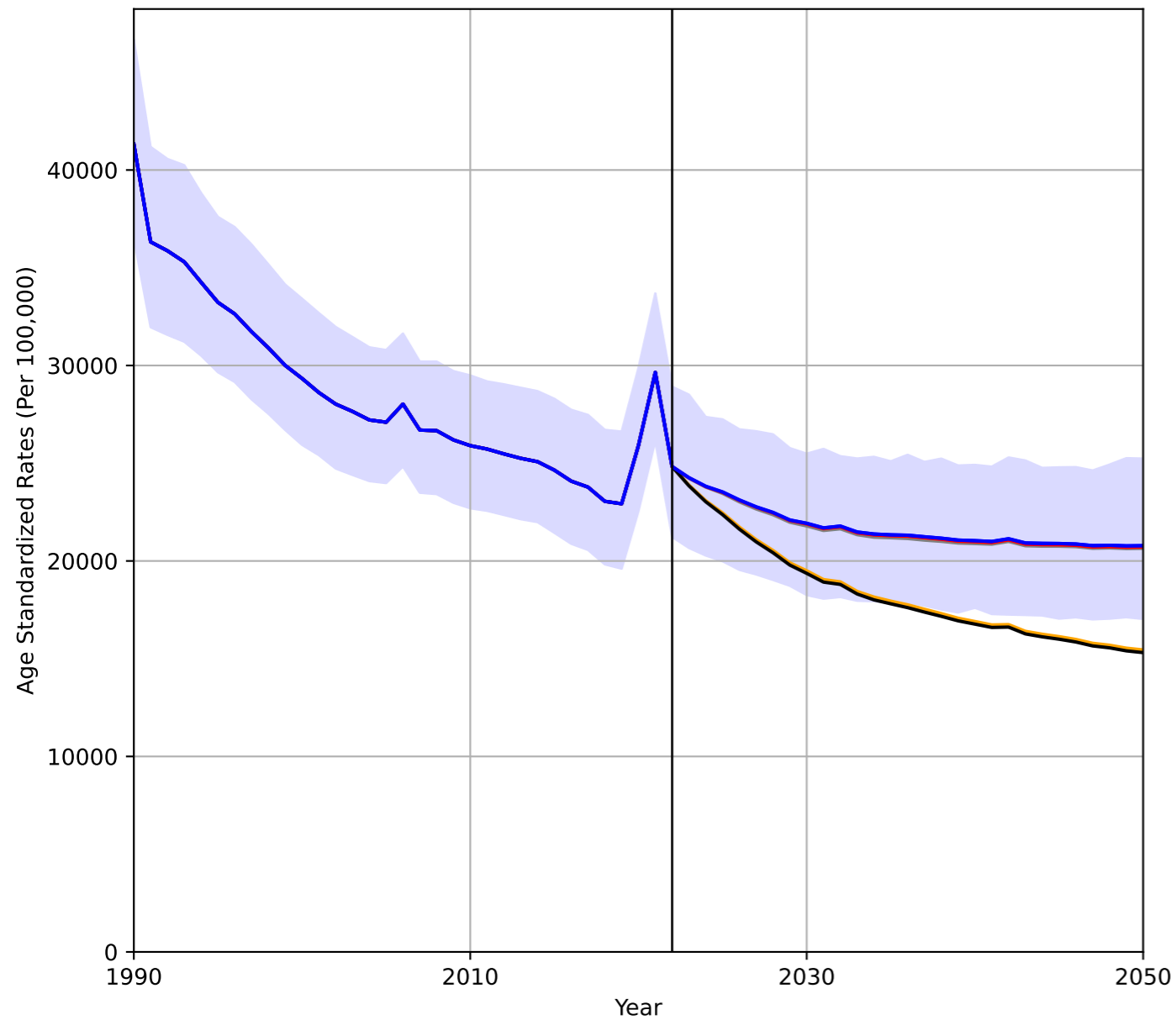
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# Lebanon

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

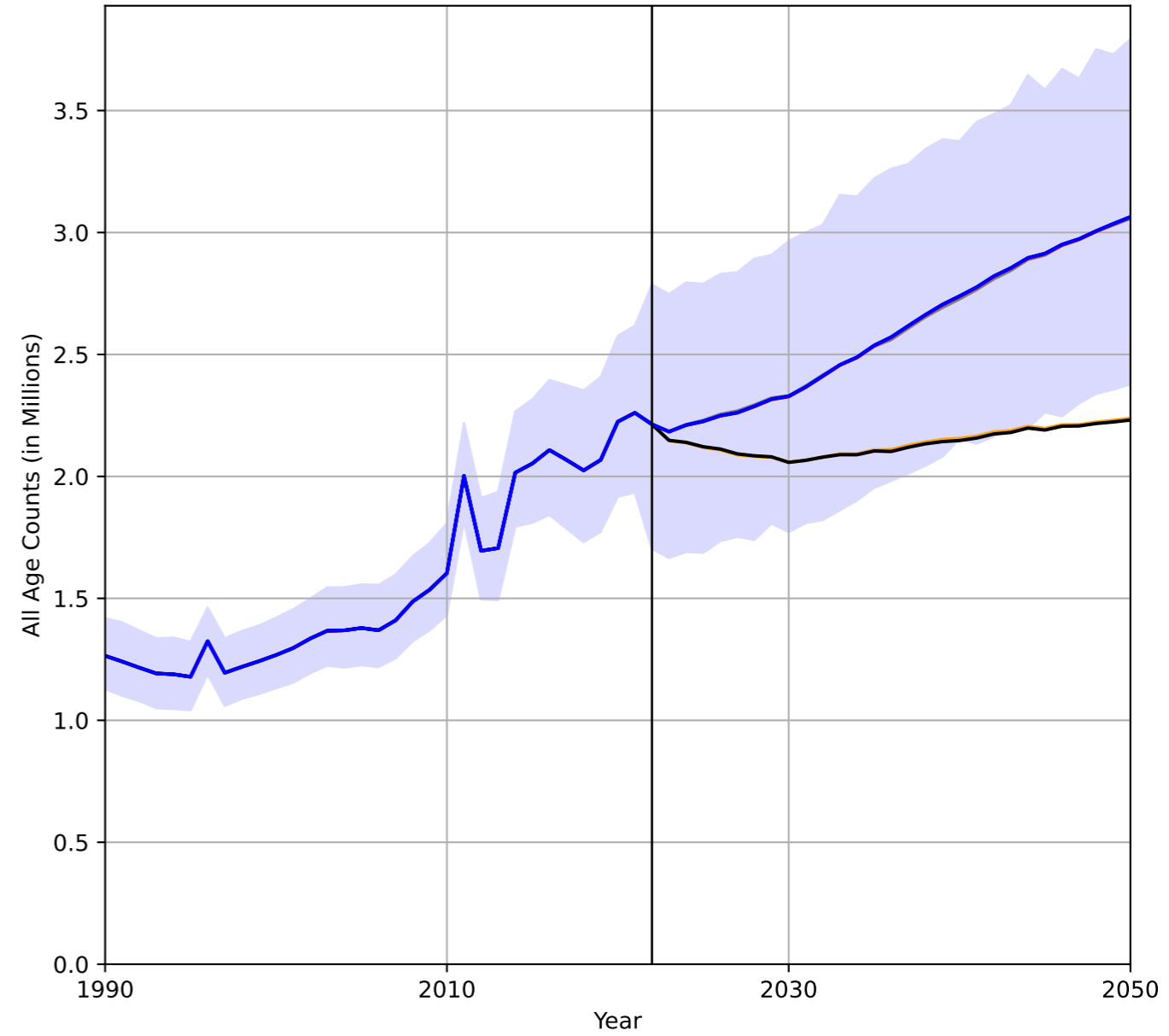
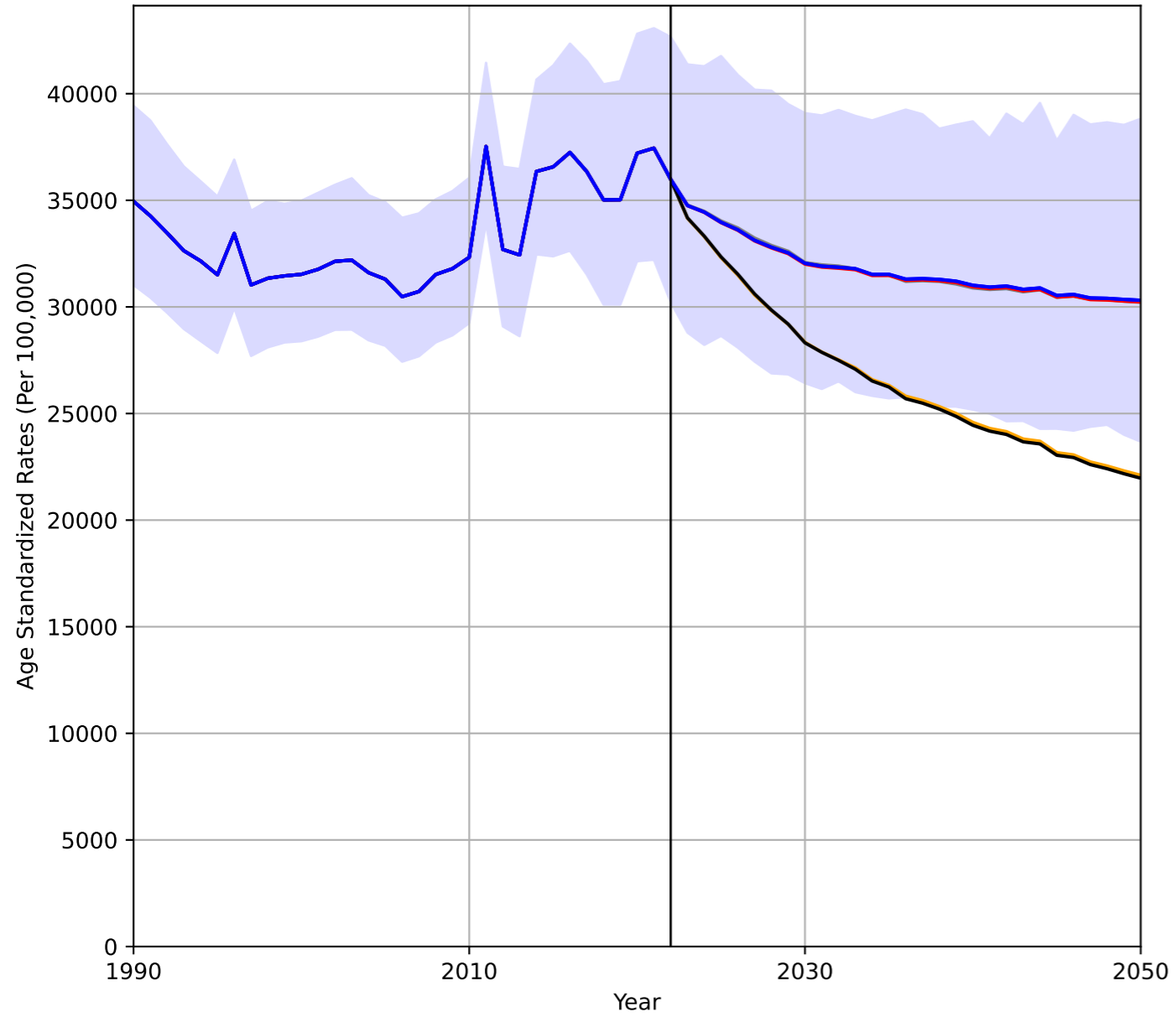
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# Libya

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

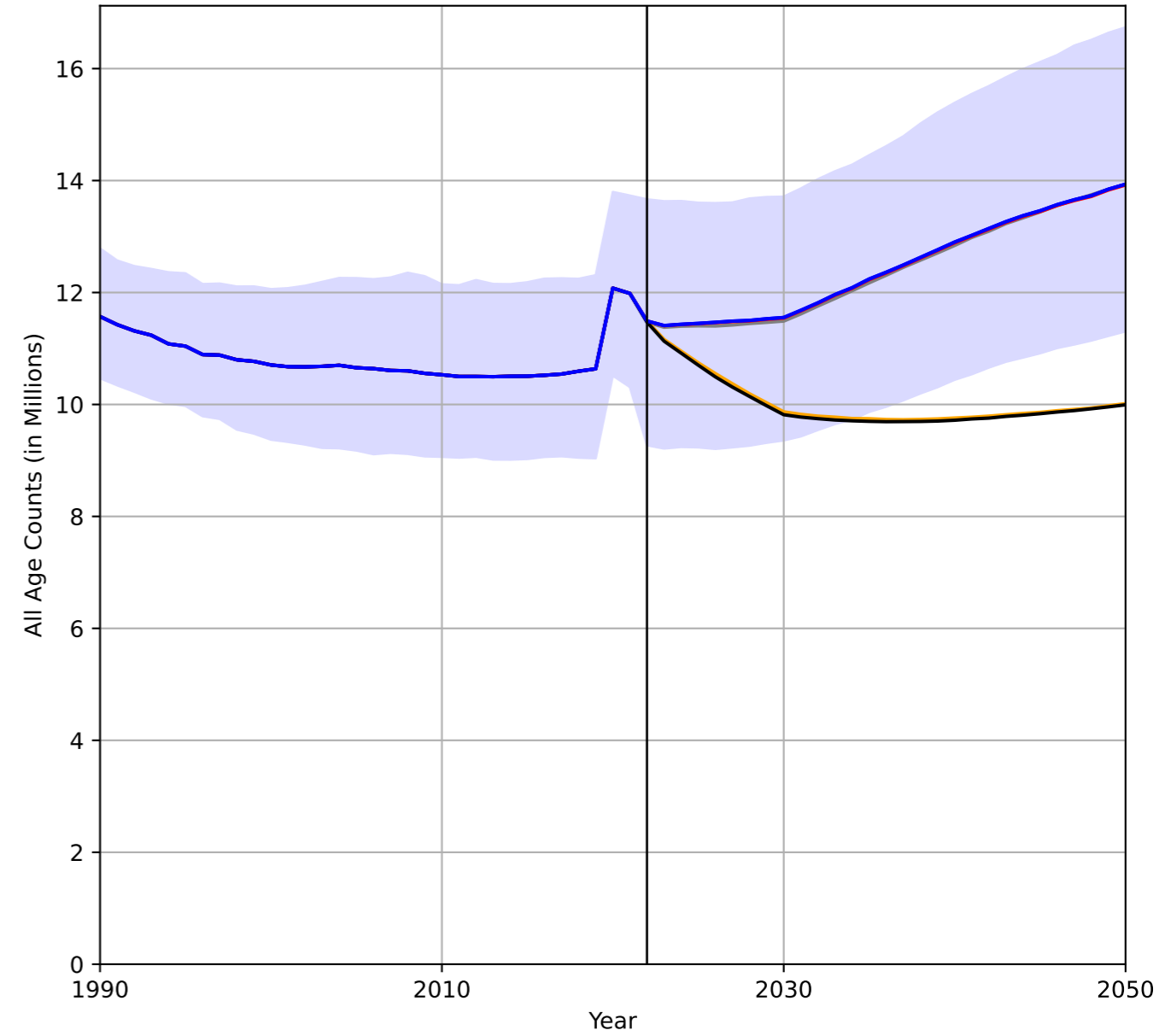
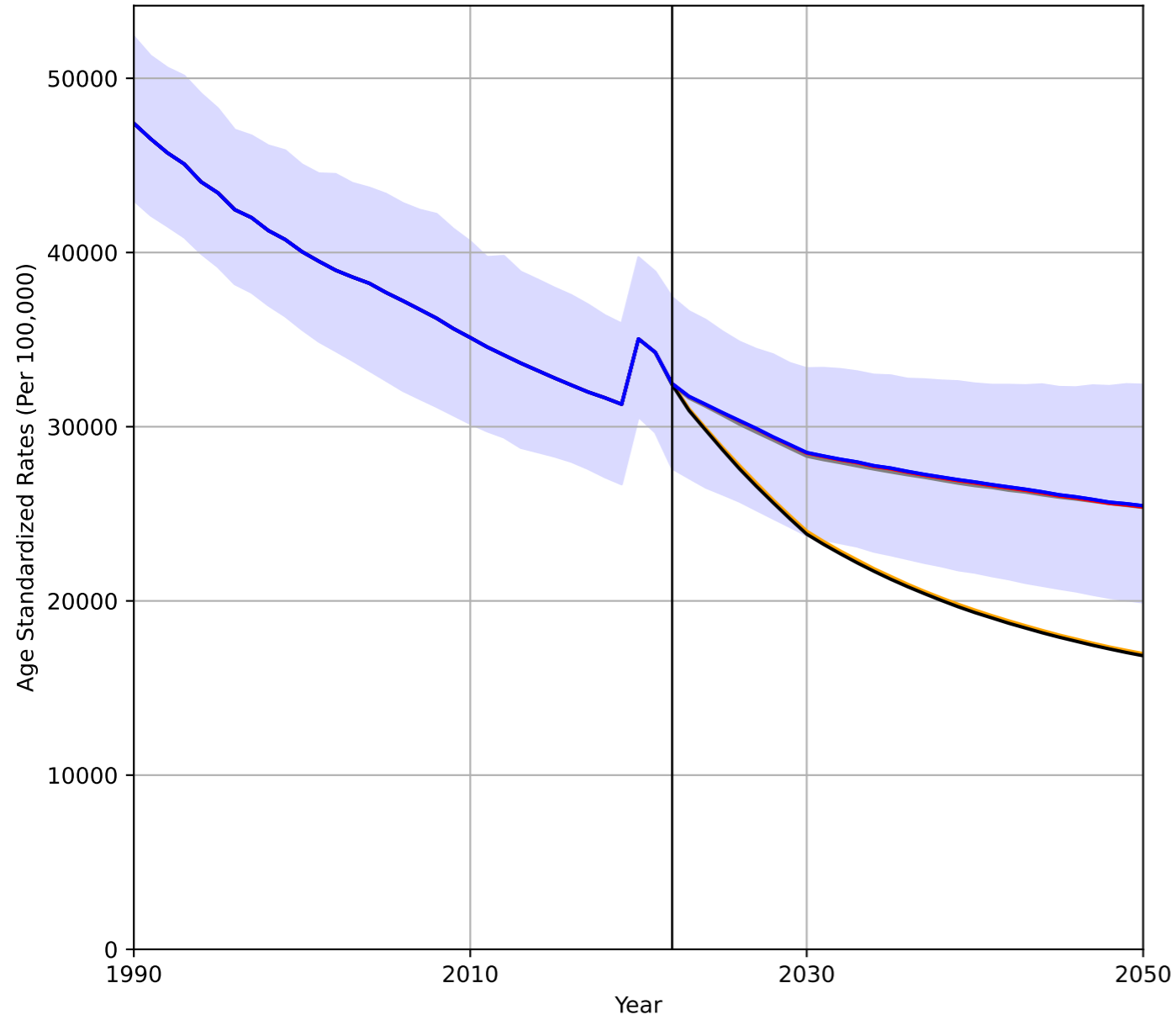
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# Morocco

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1519

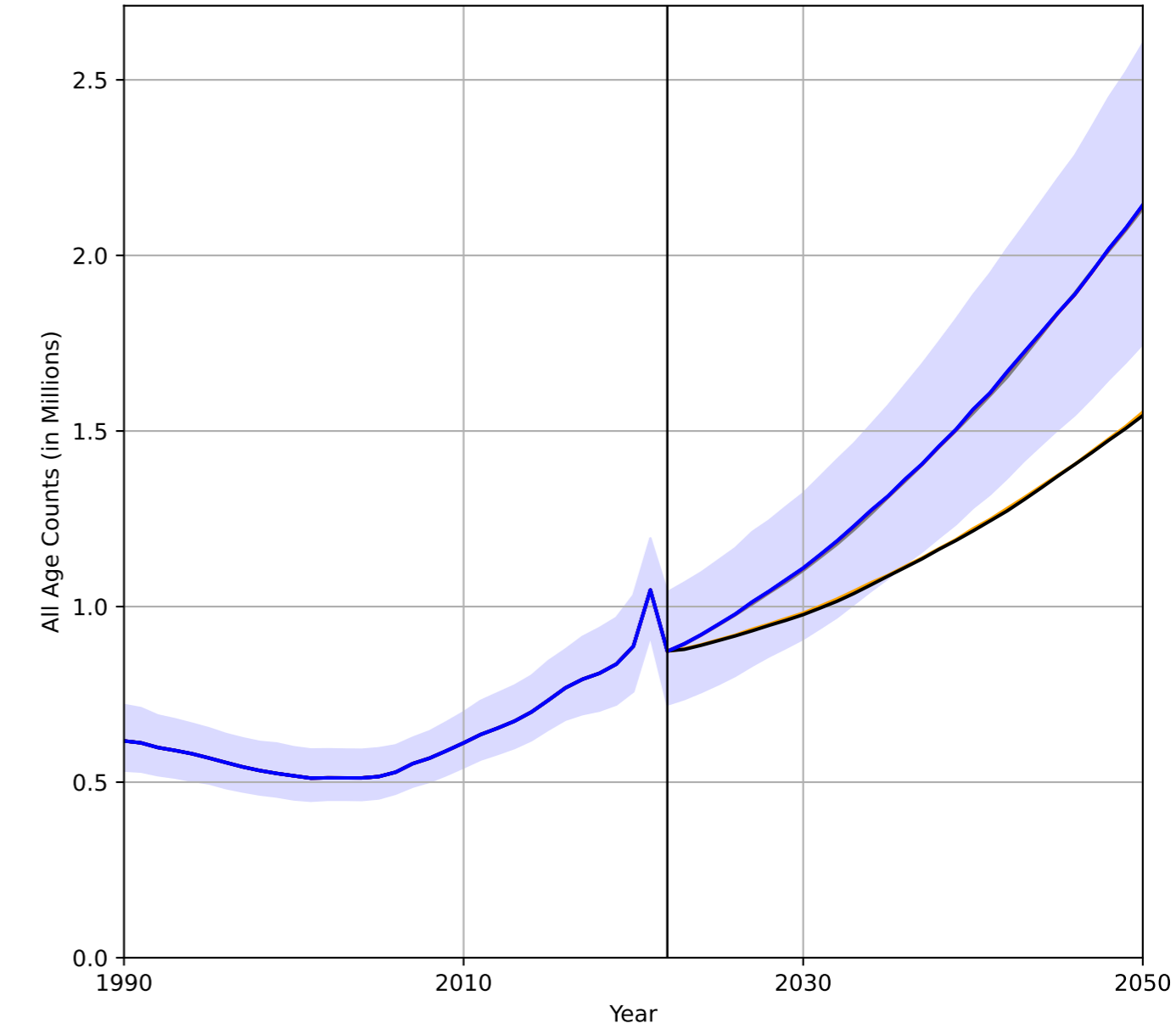
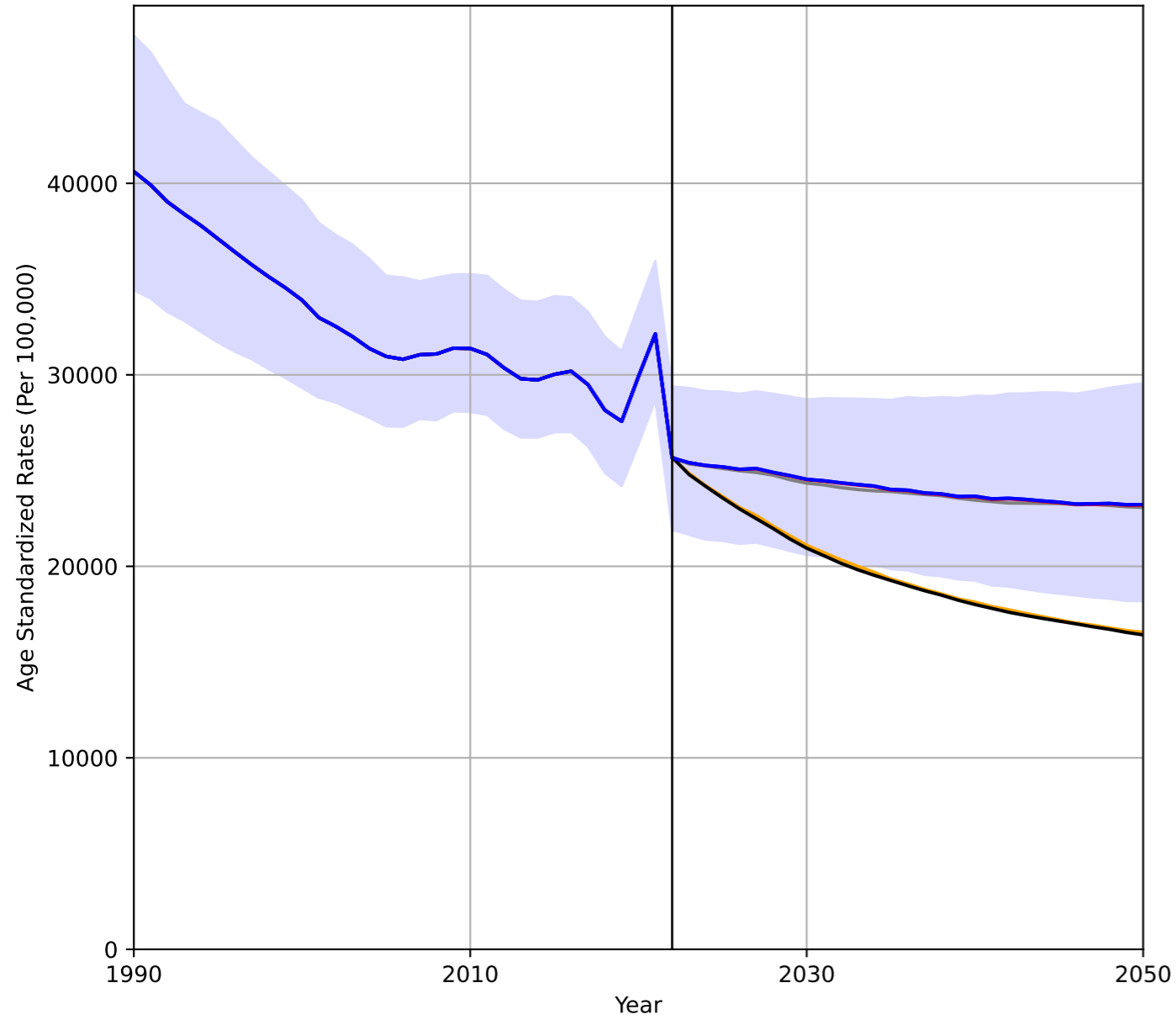




# Oman

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

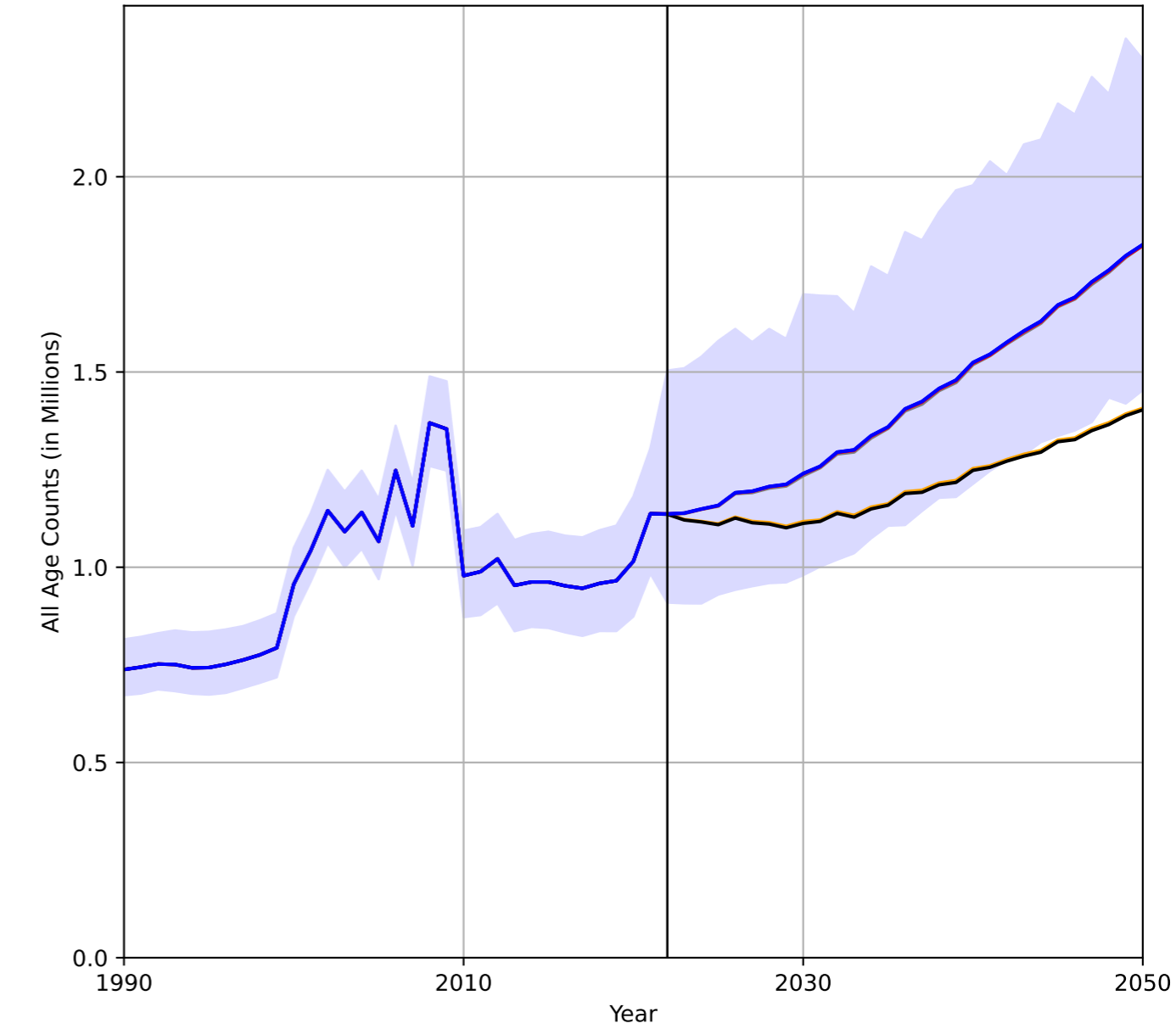
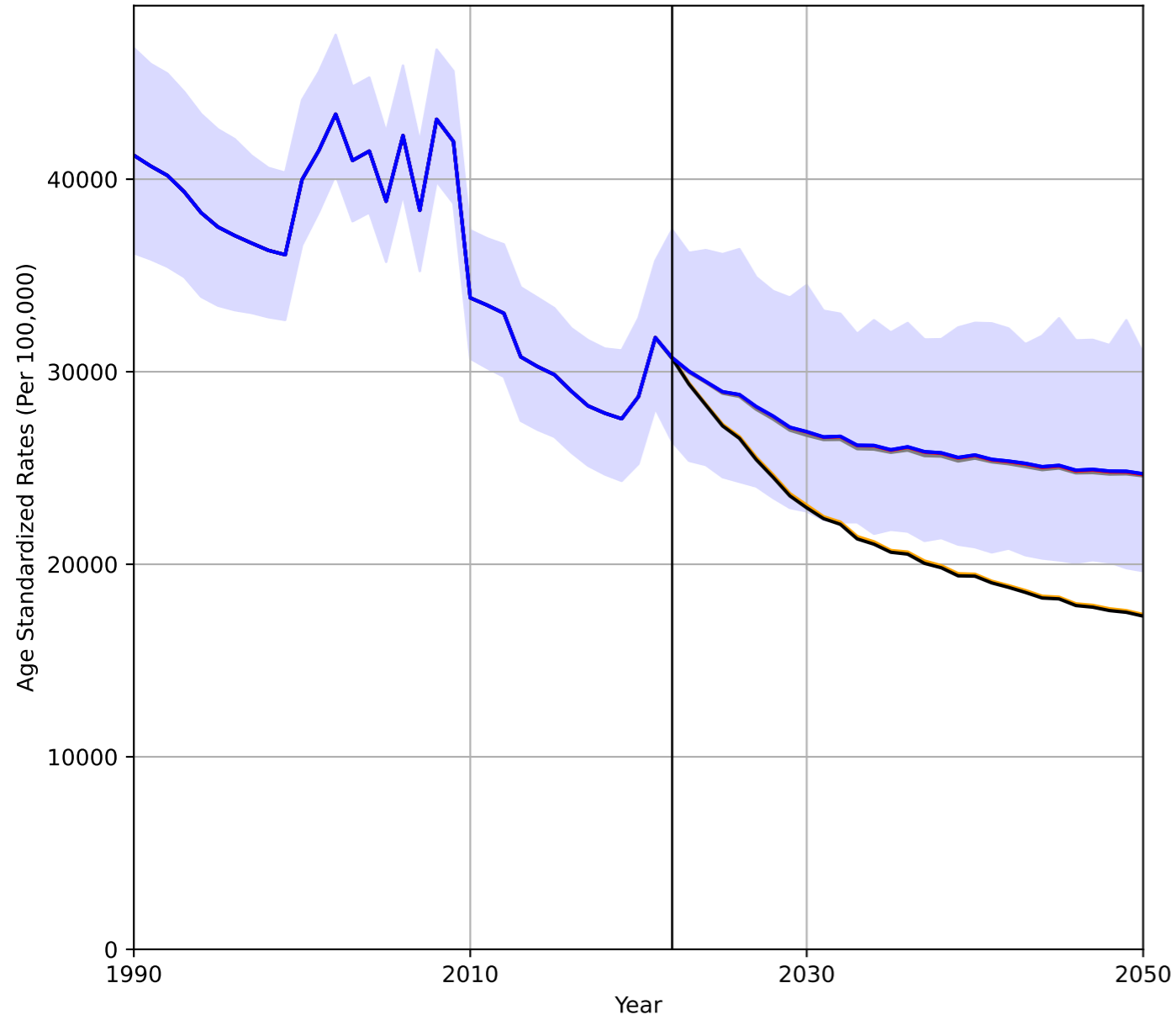
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# Palestine

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

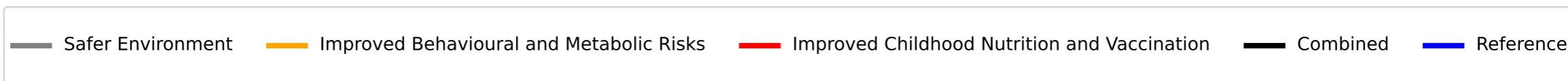
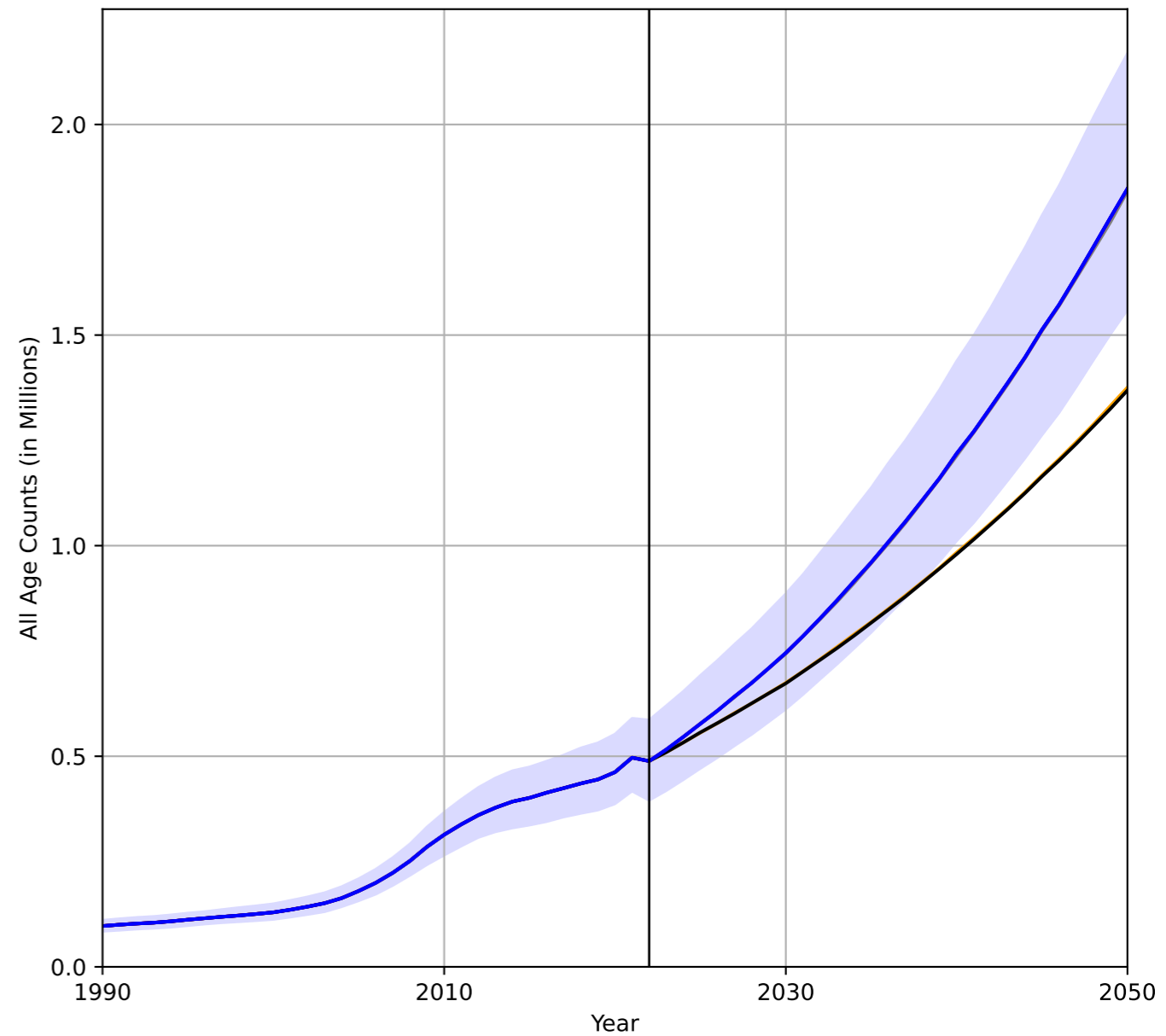
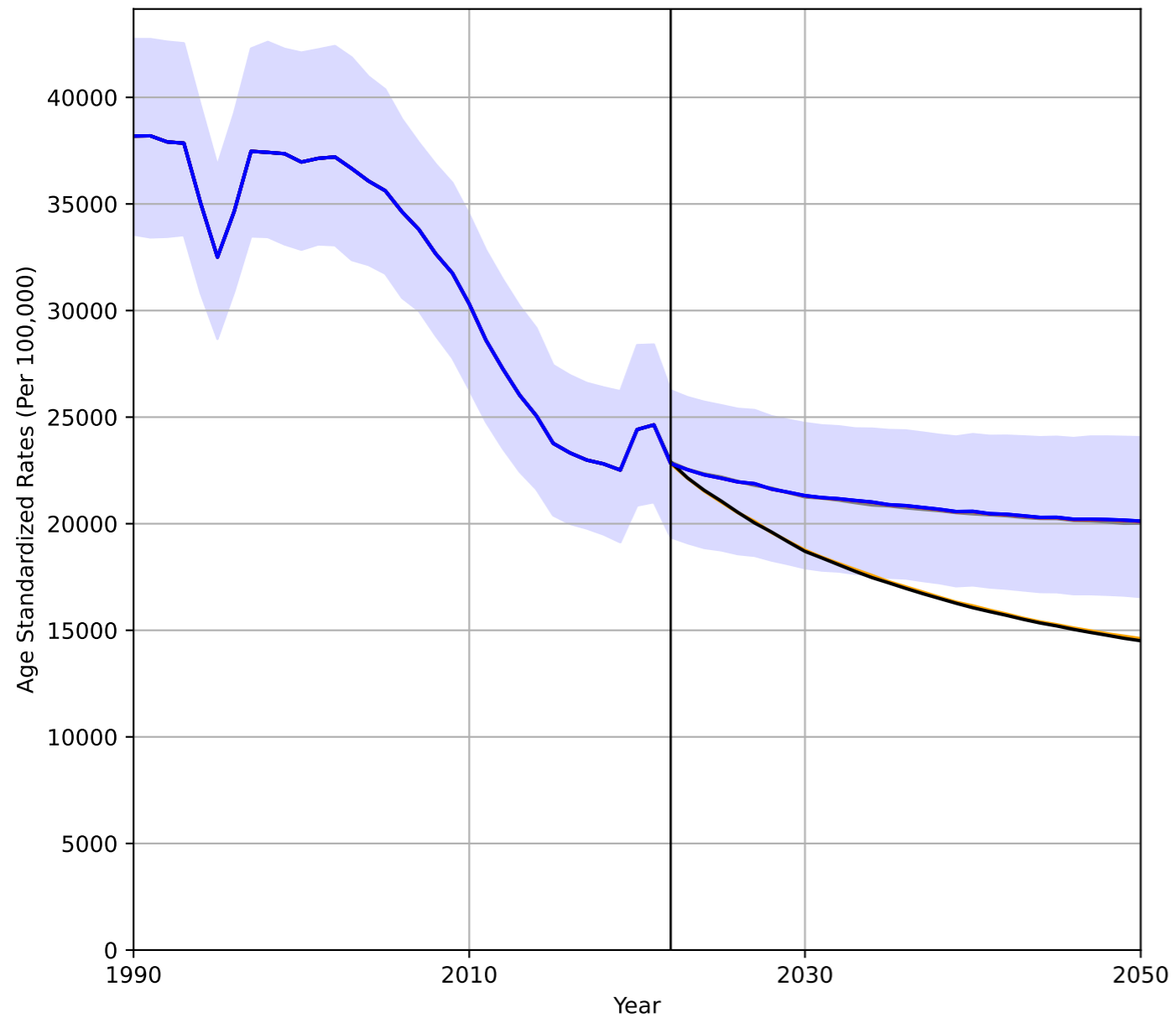
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# Qatar

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

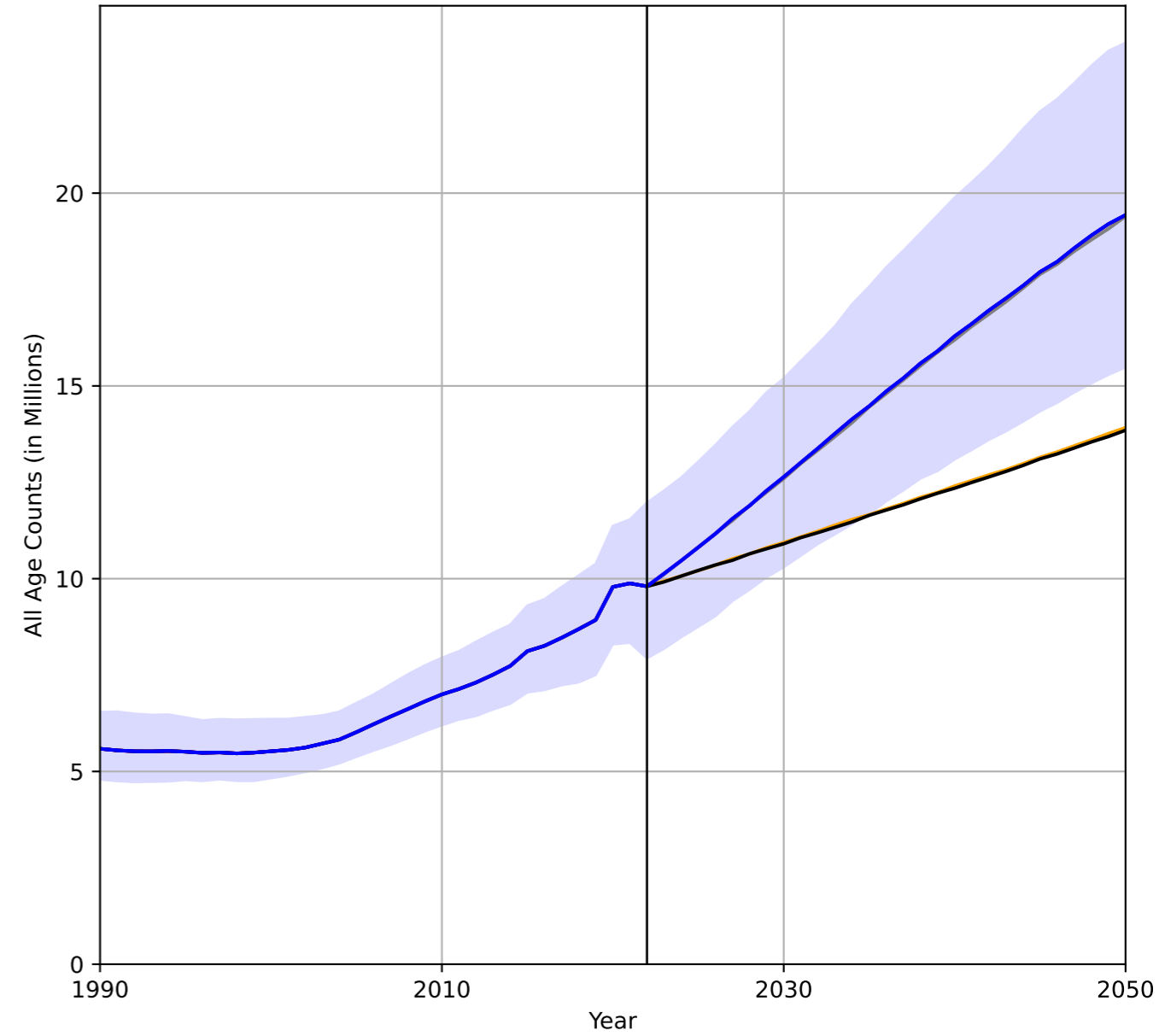
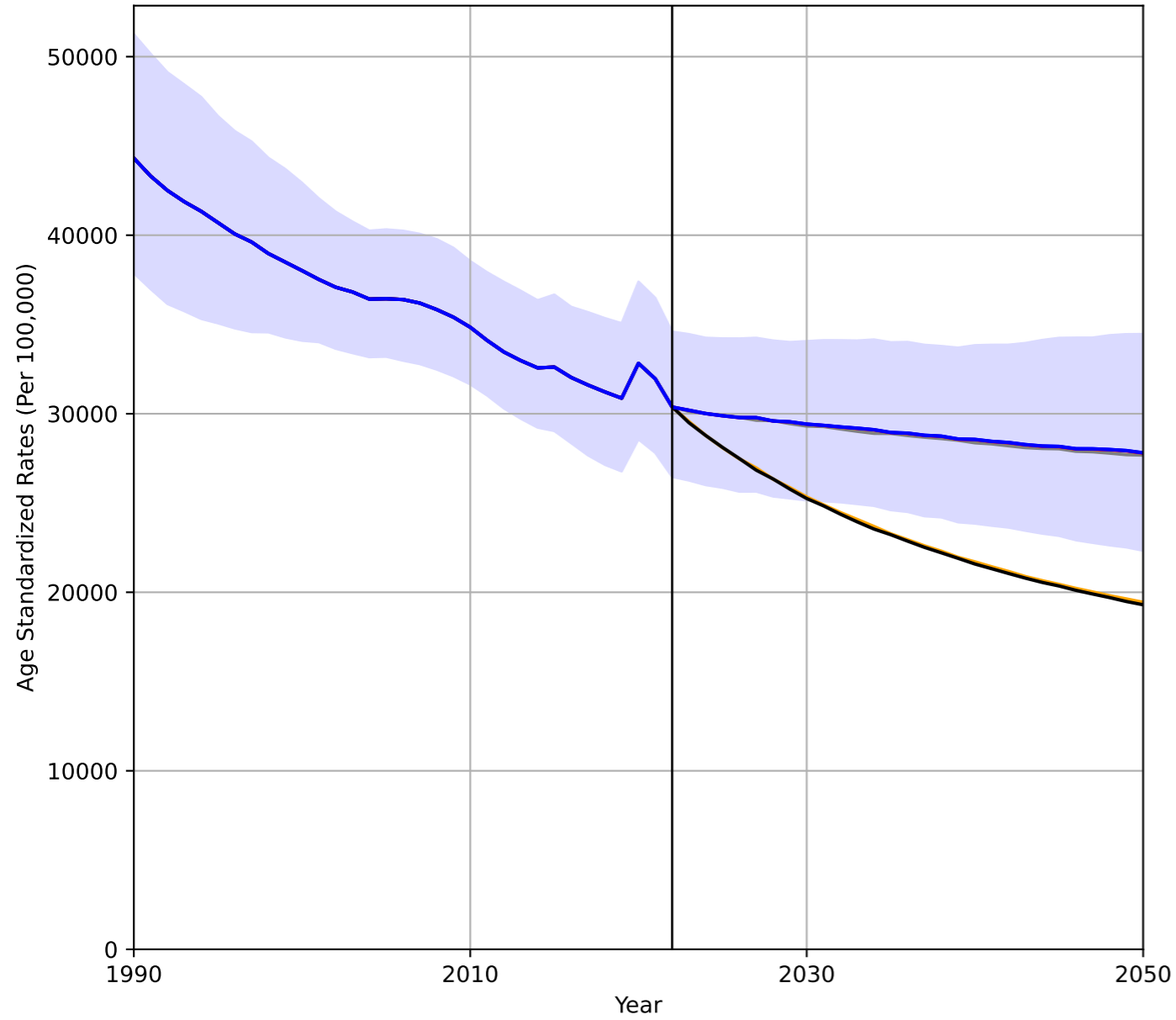
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# Saudi Arabia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

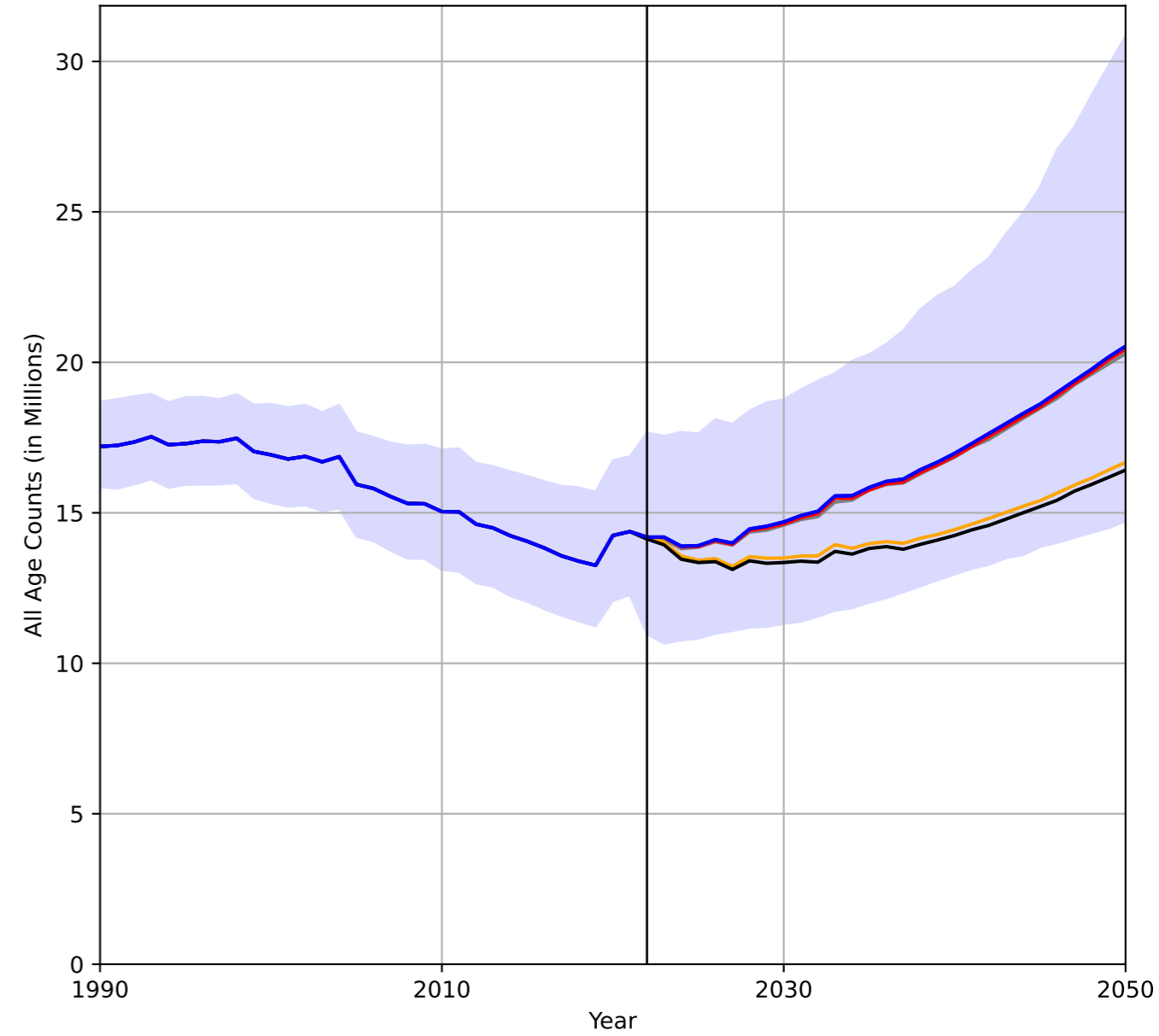
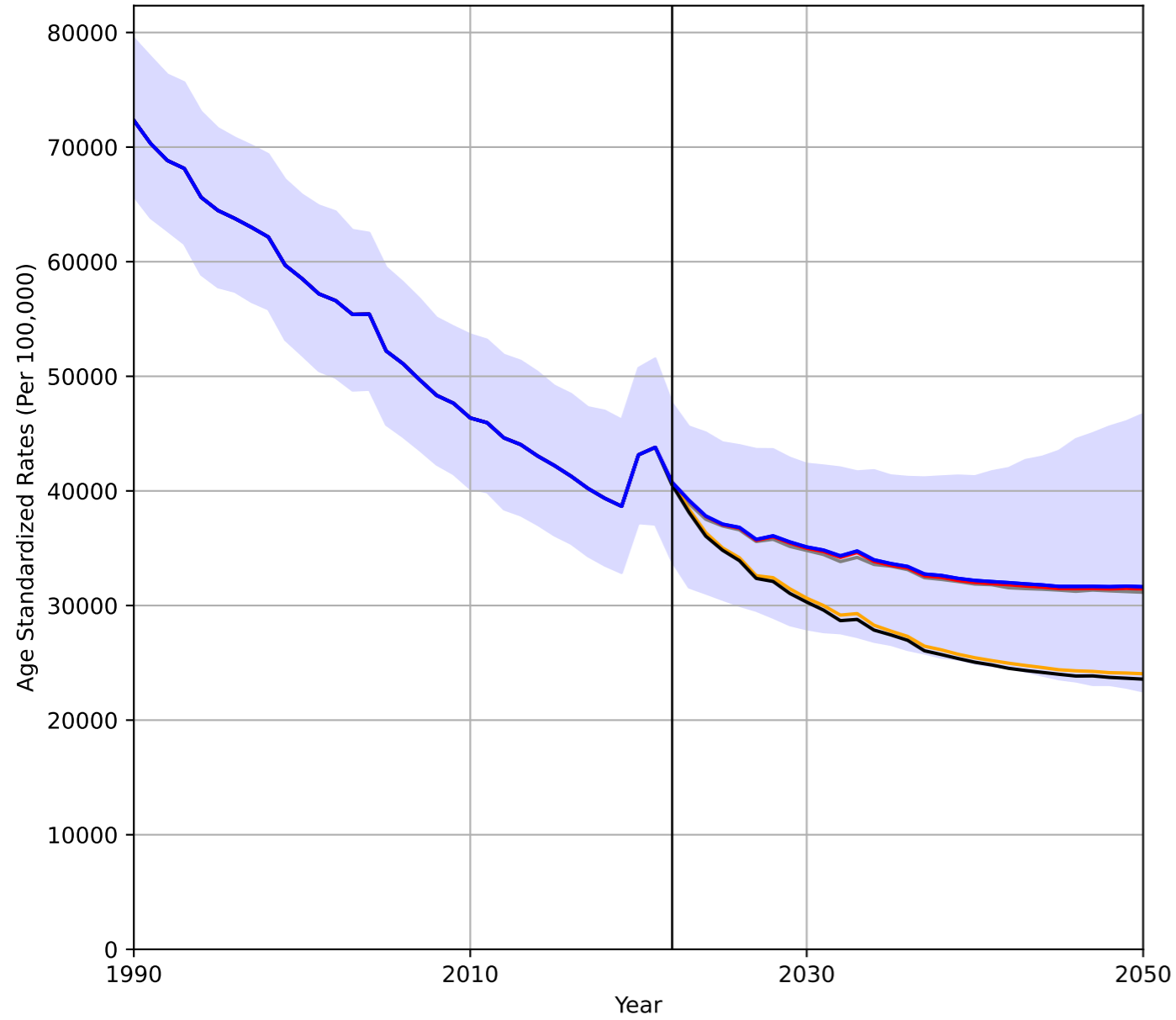
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# Sudan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

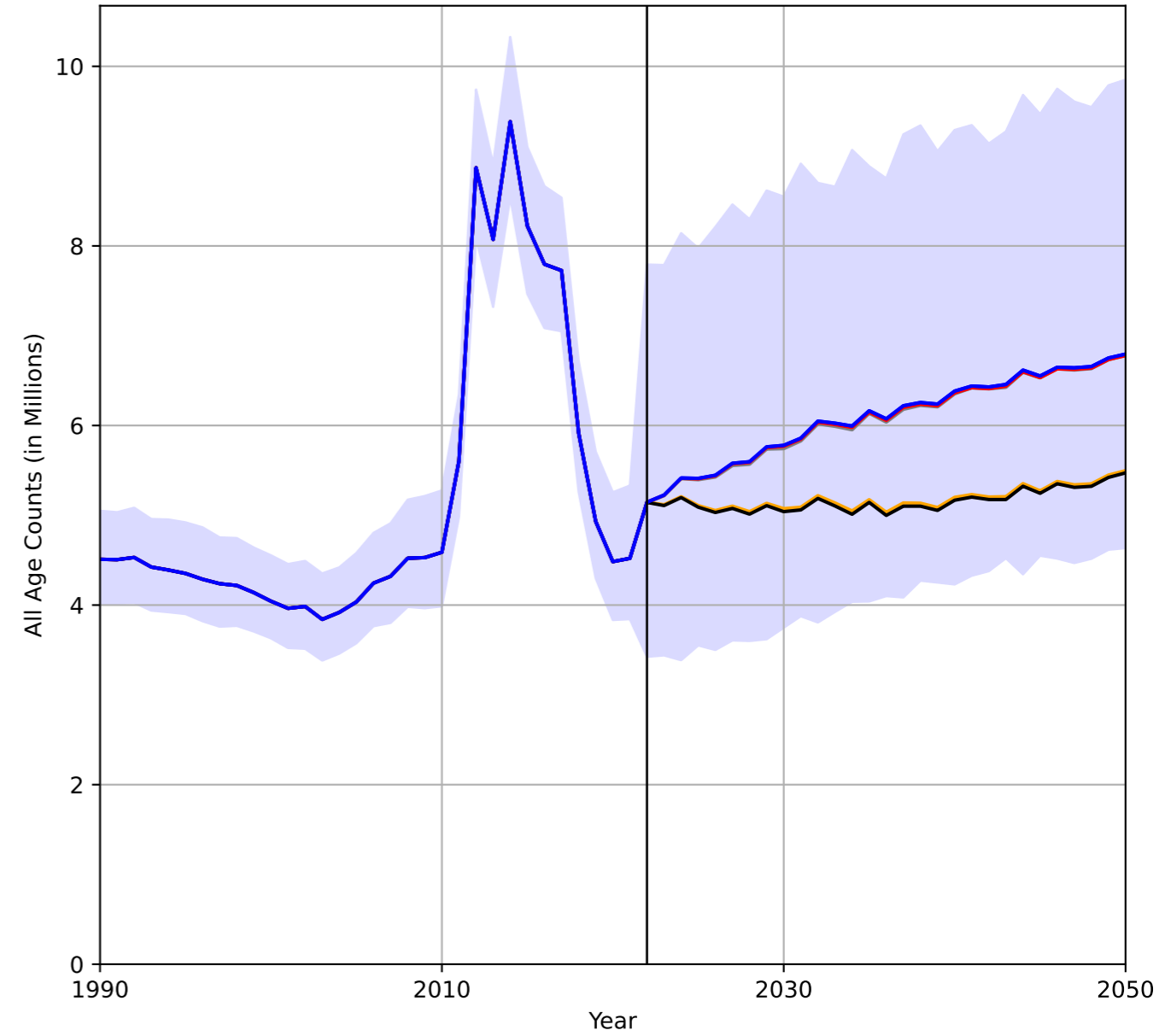
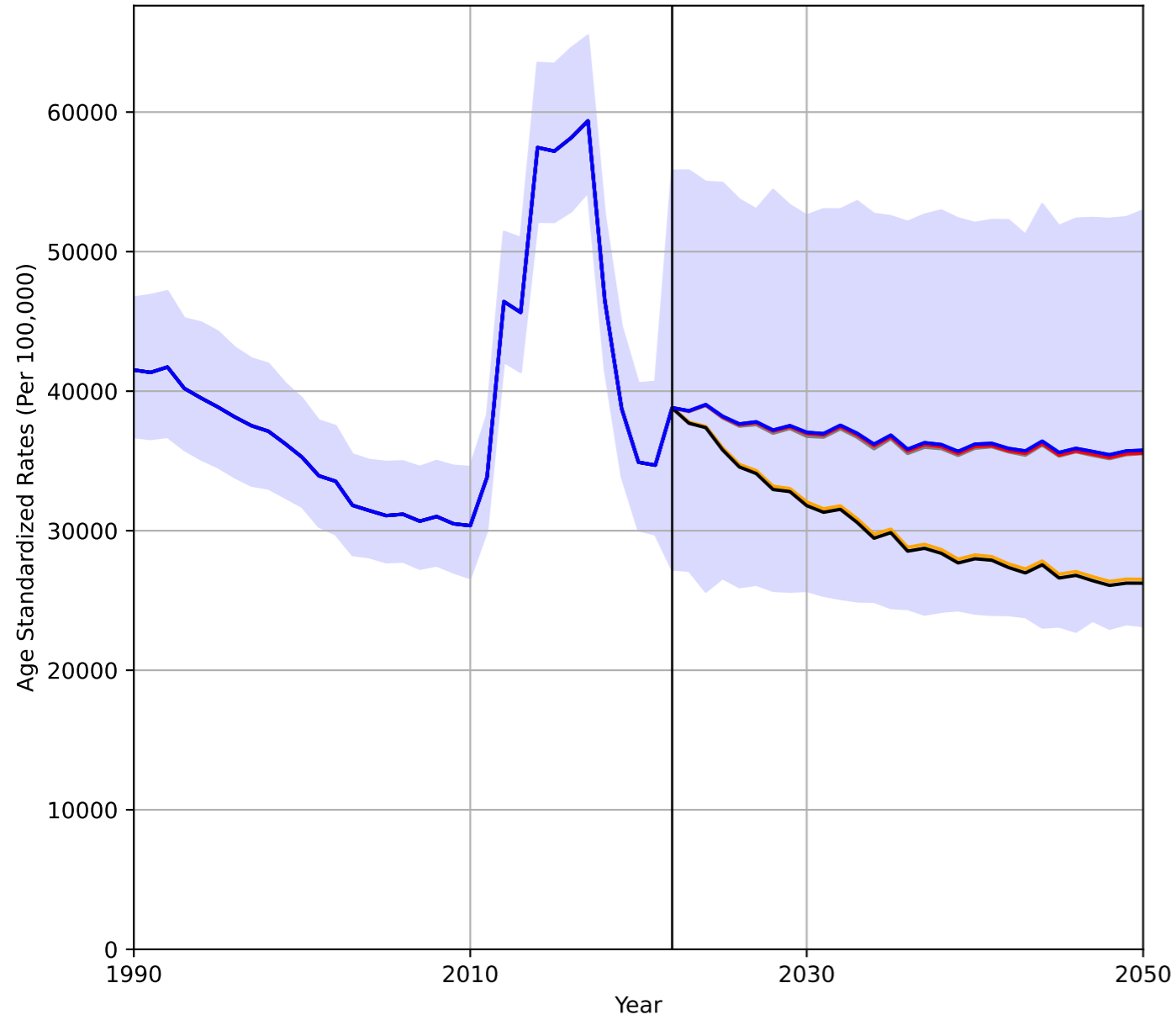
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# Syria

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

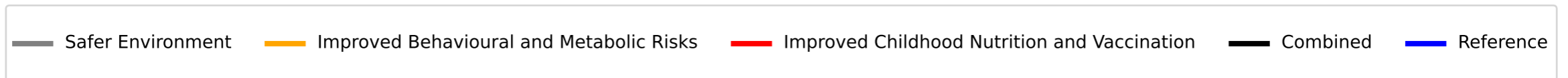
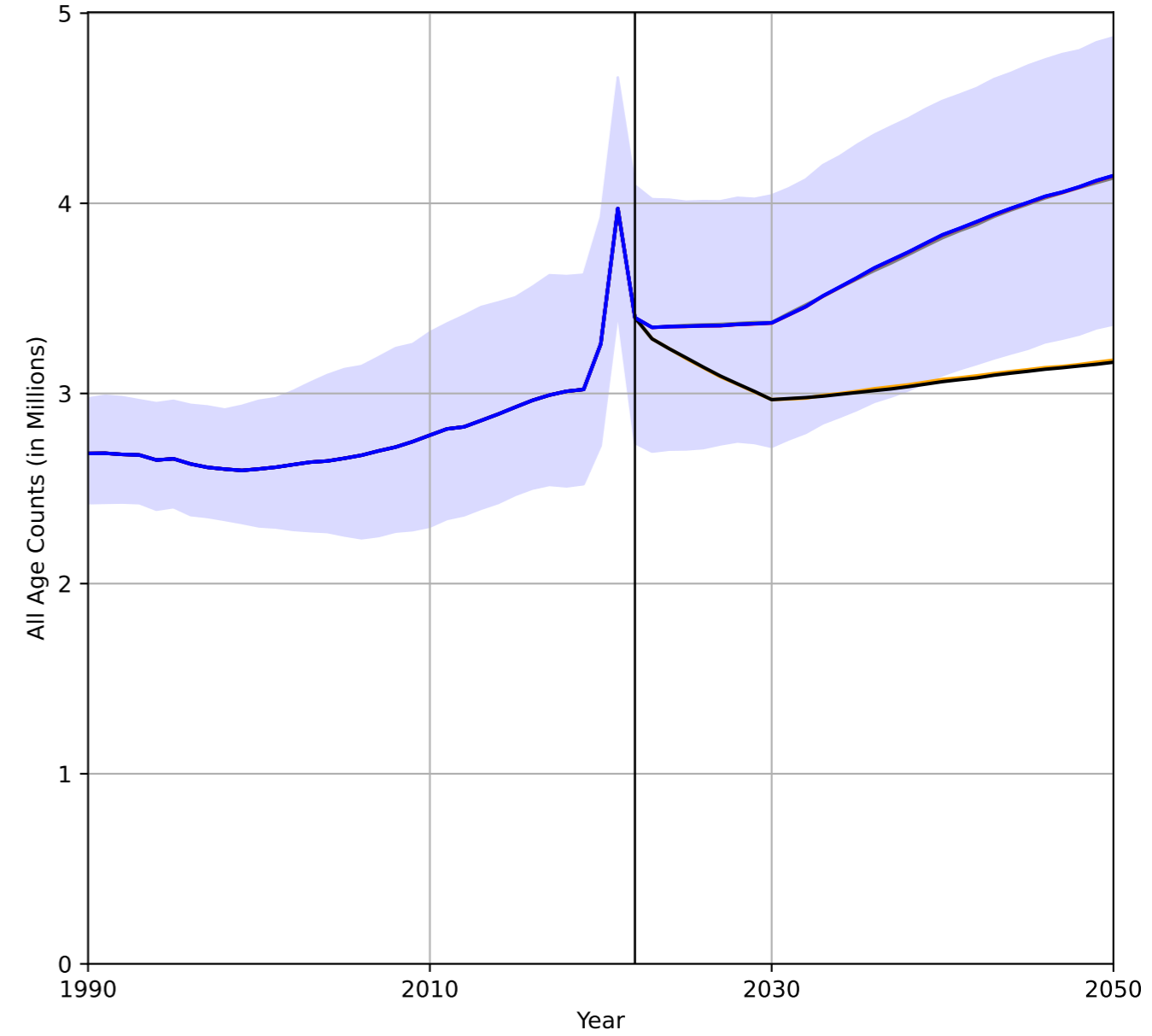
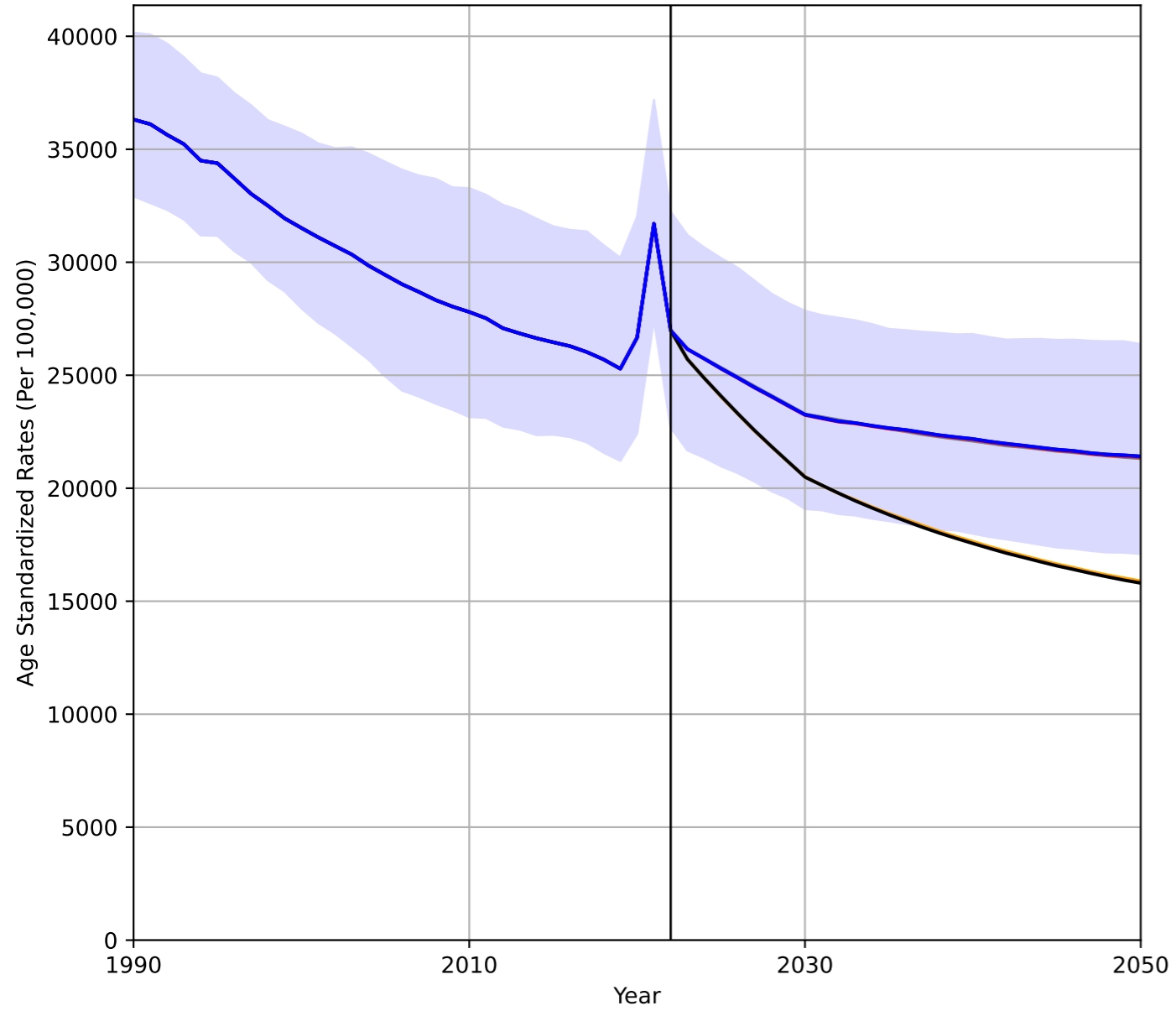
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# Tunisia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

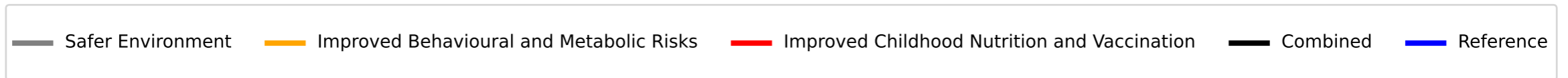
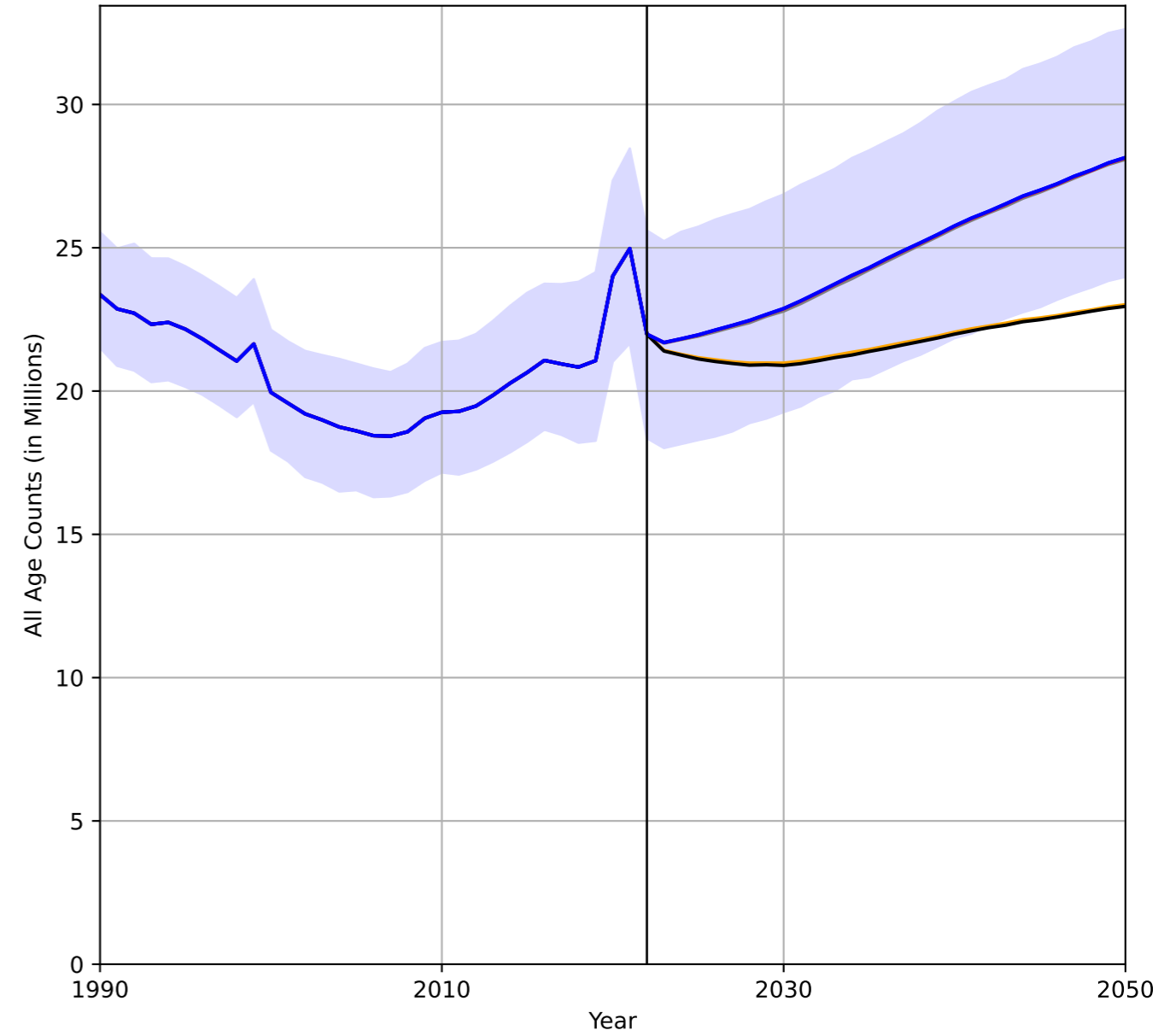
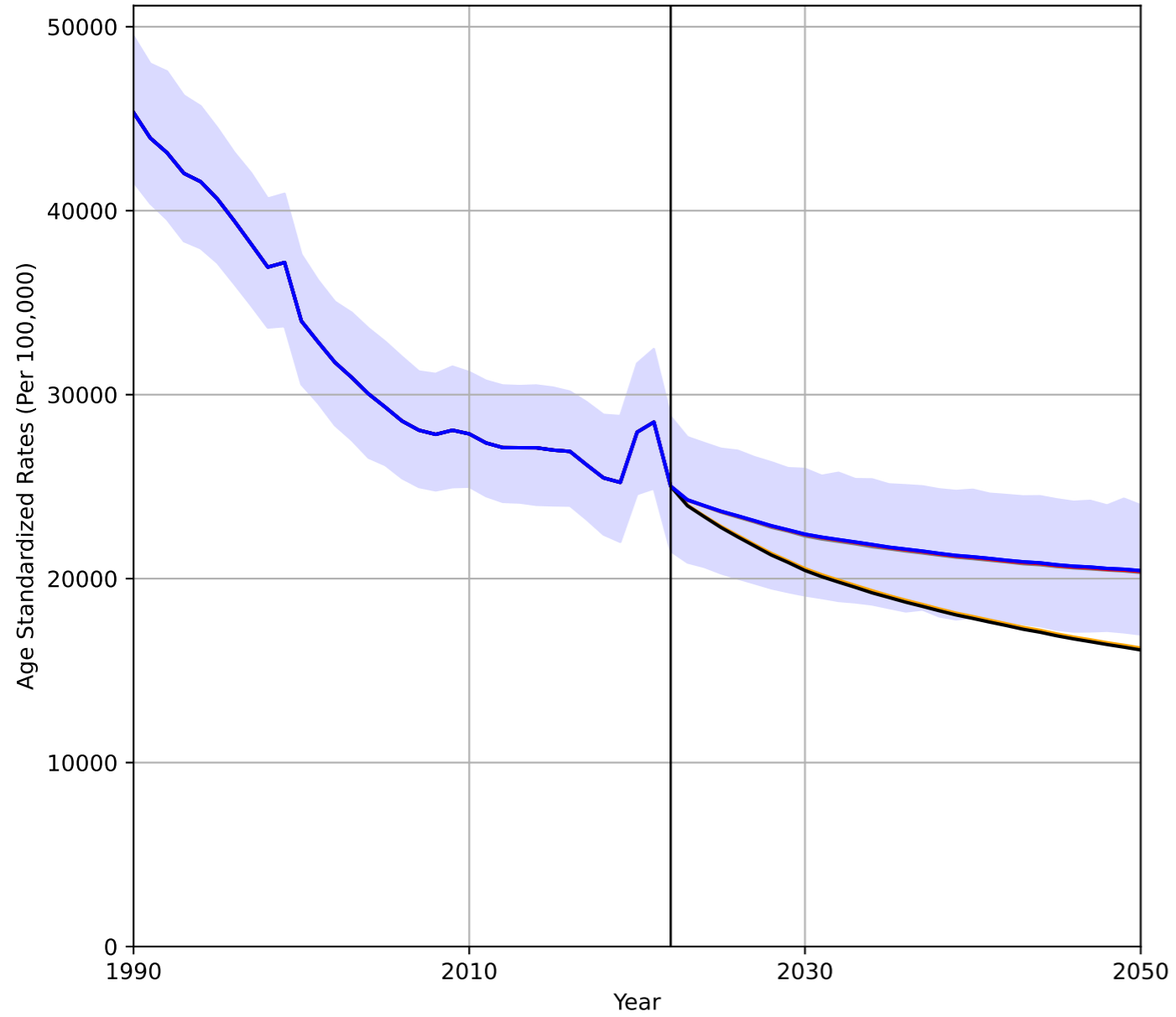
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# Türkiye

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1527

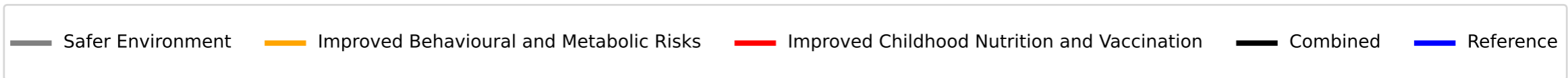
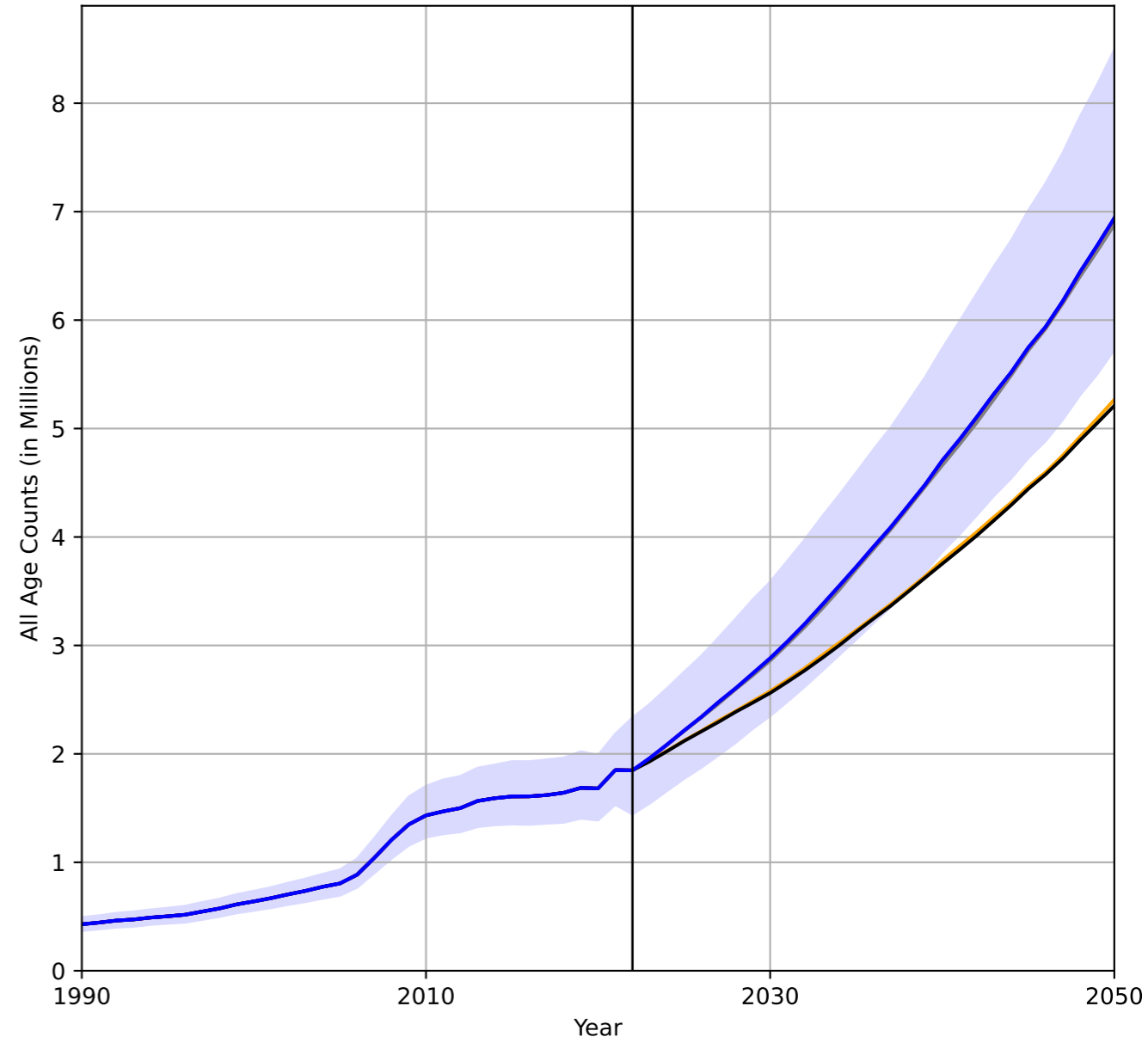
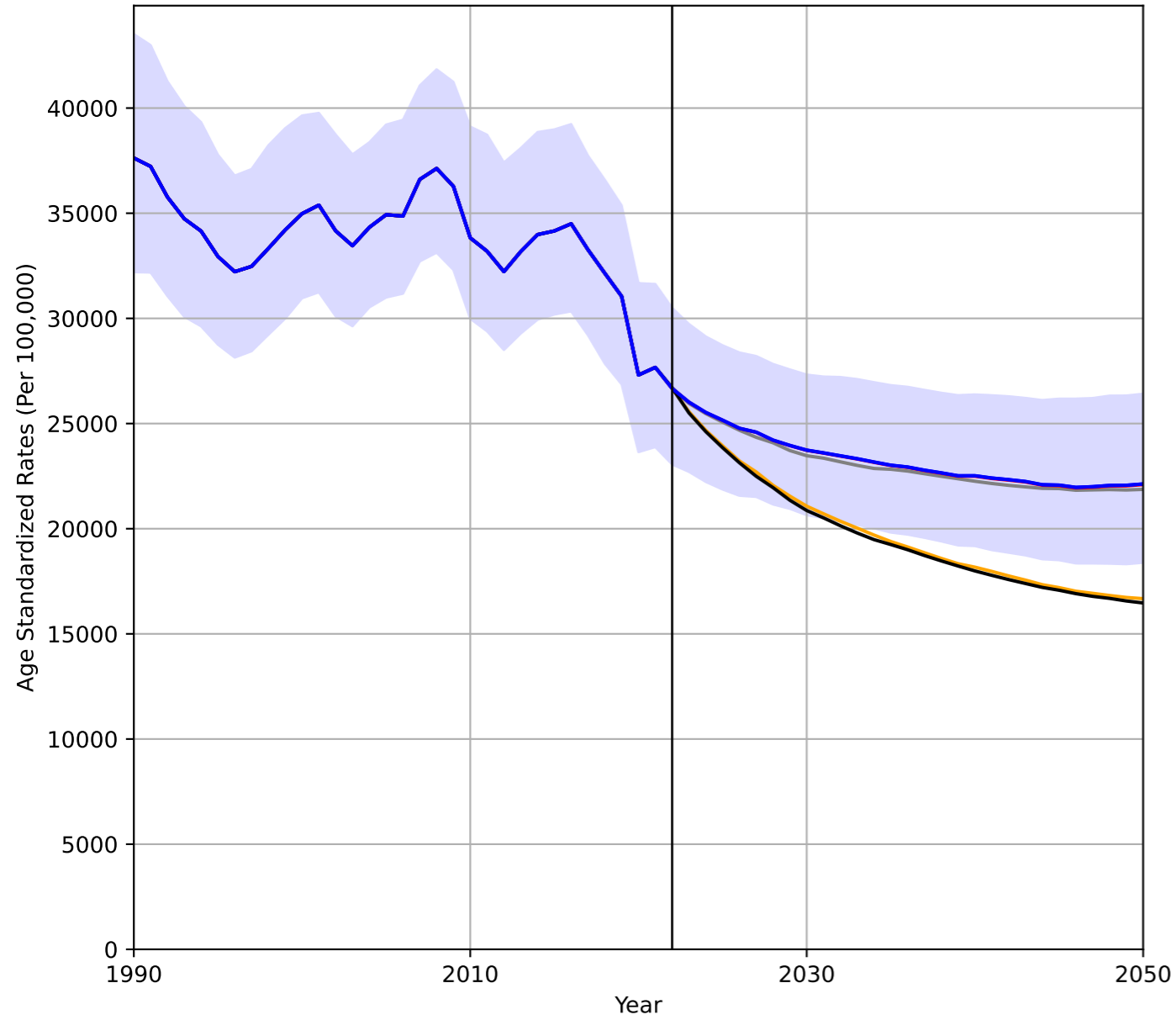




# United Arab Emirates

1528

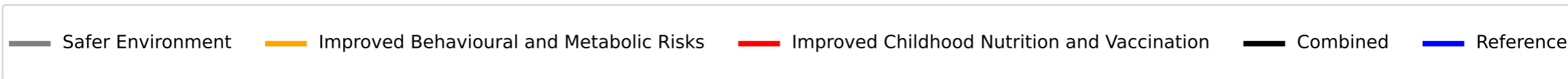
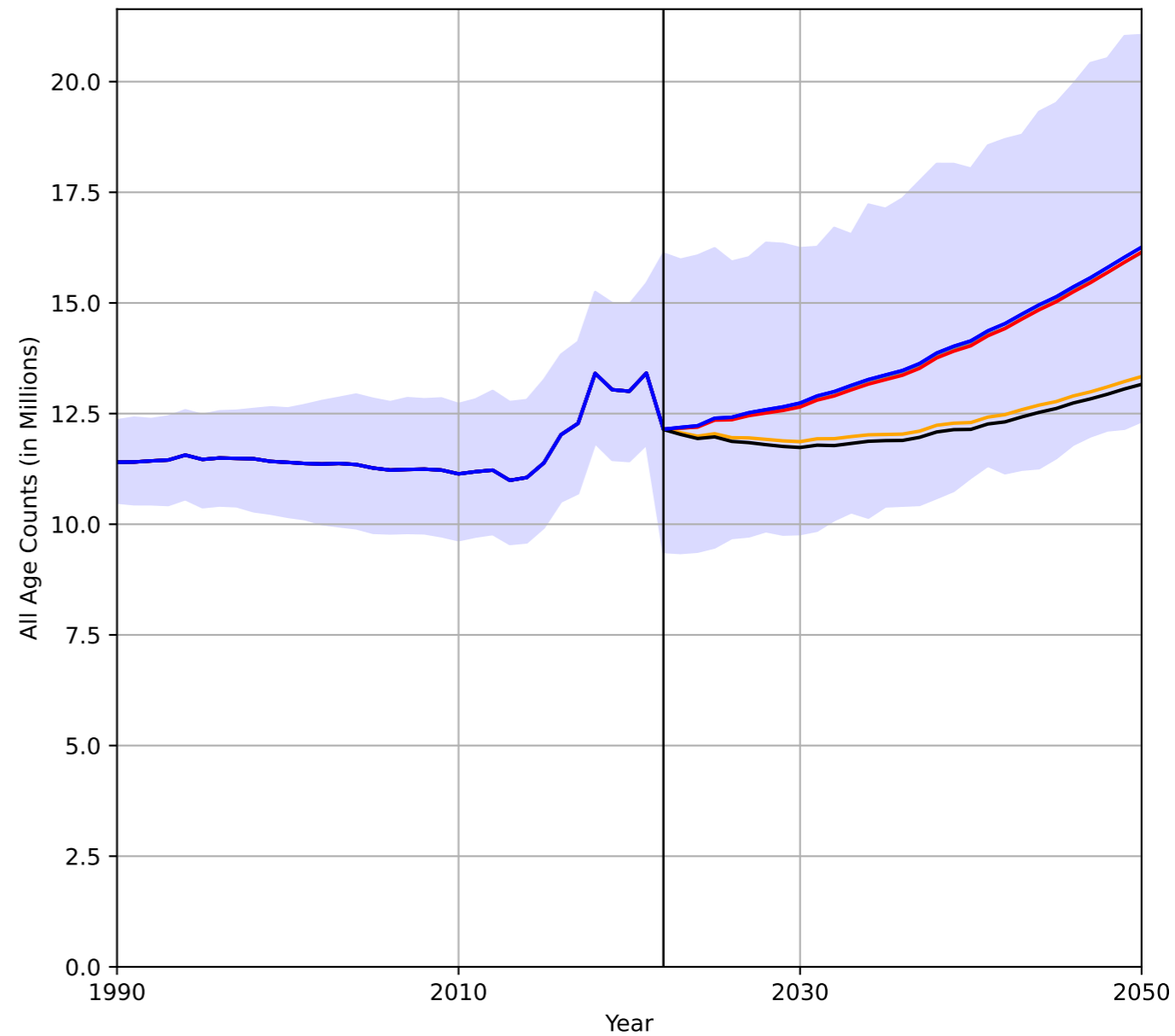
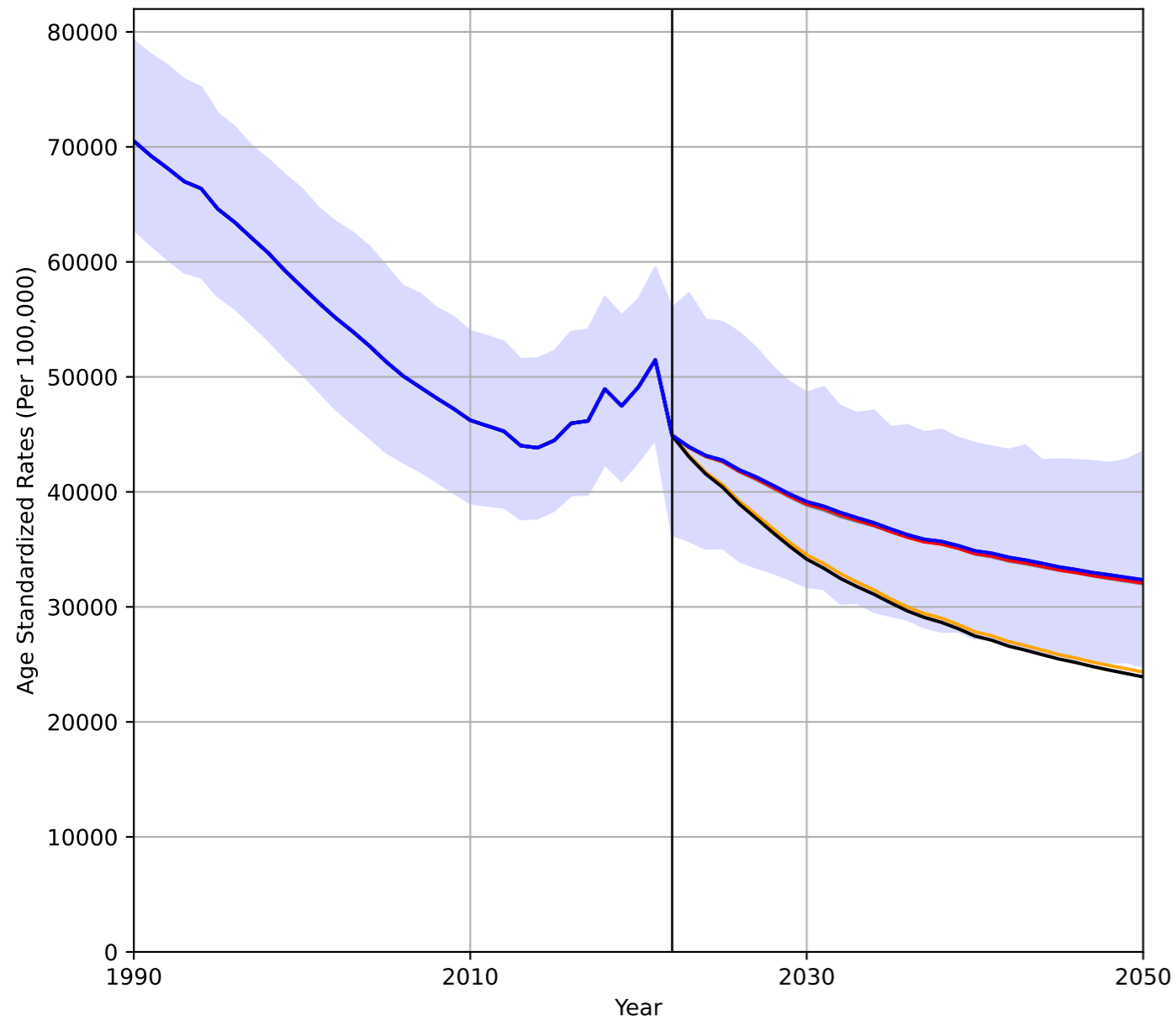
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Yemen

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

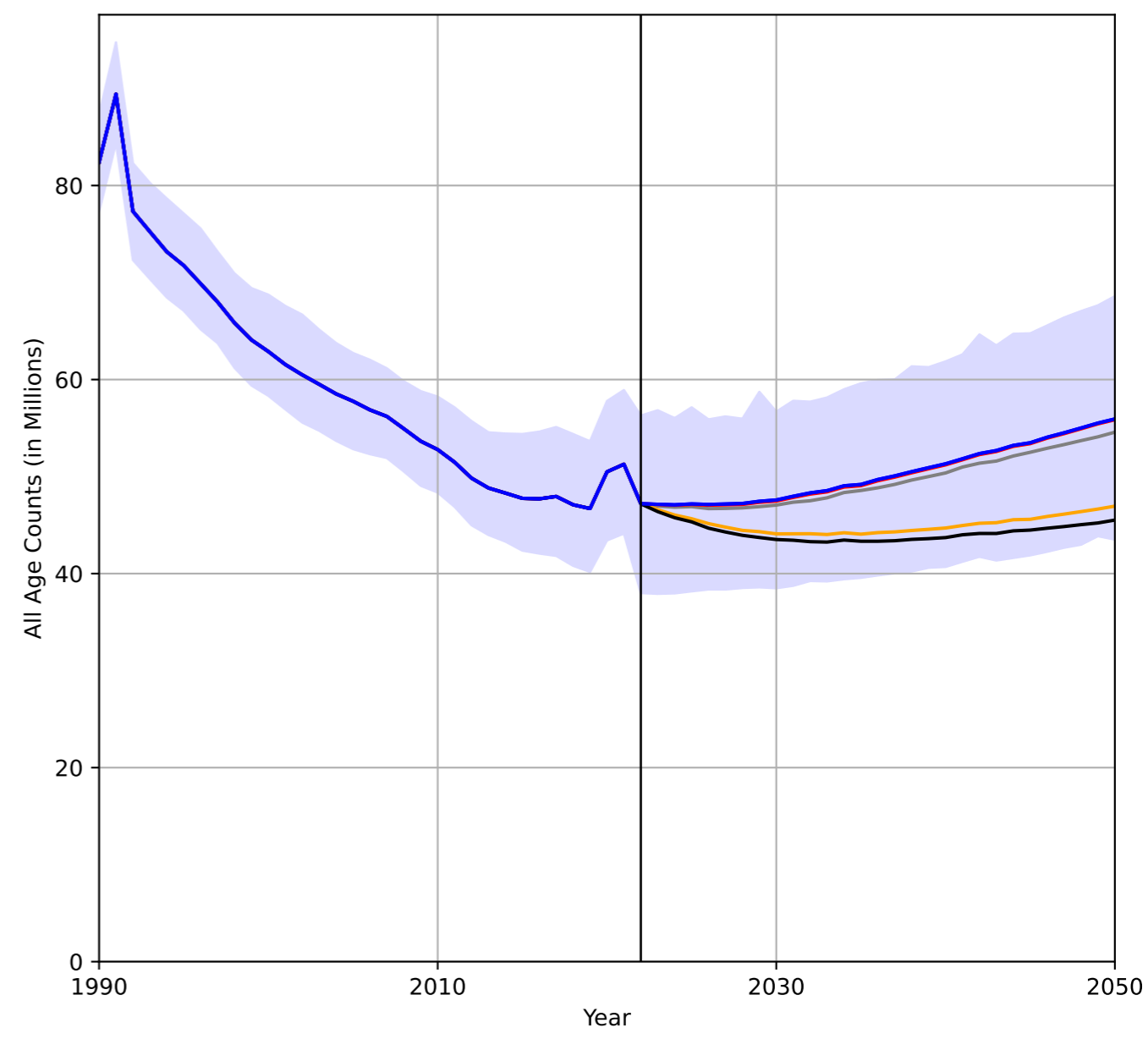
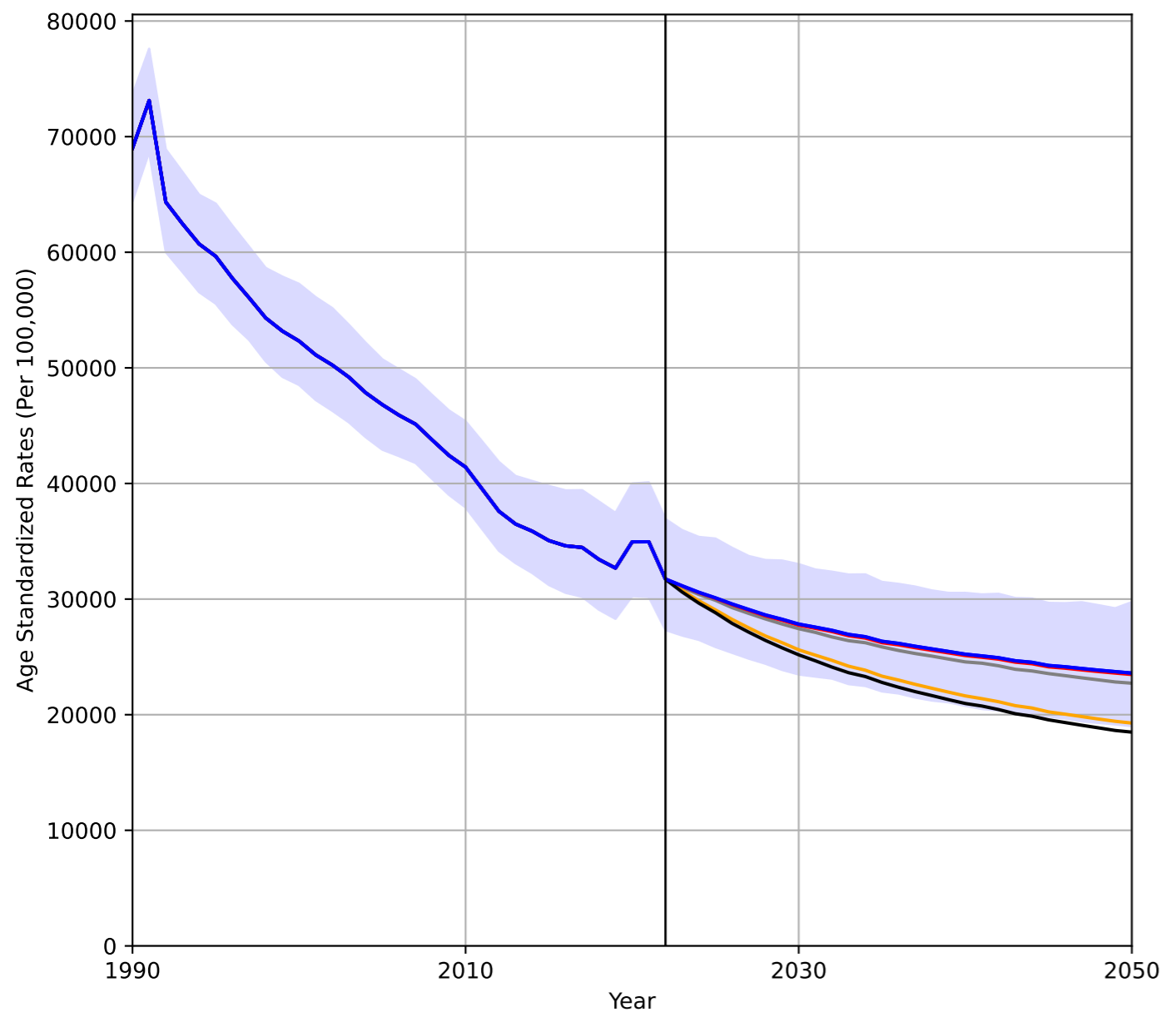
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# Bangladesh

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

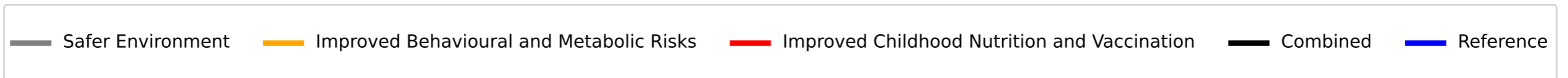
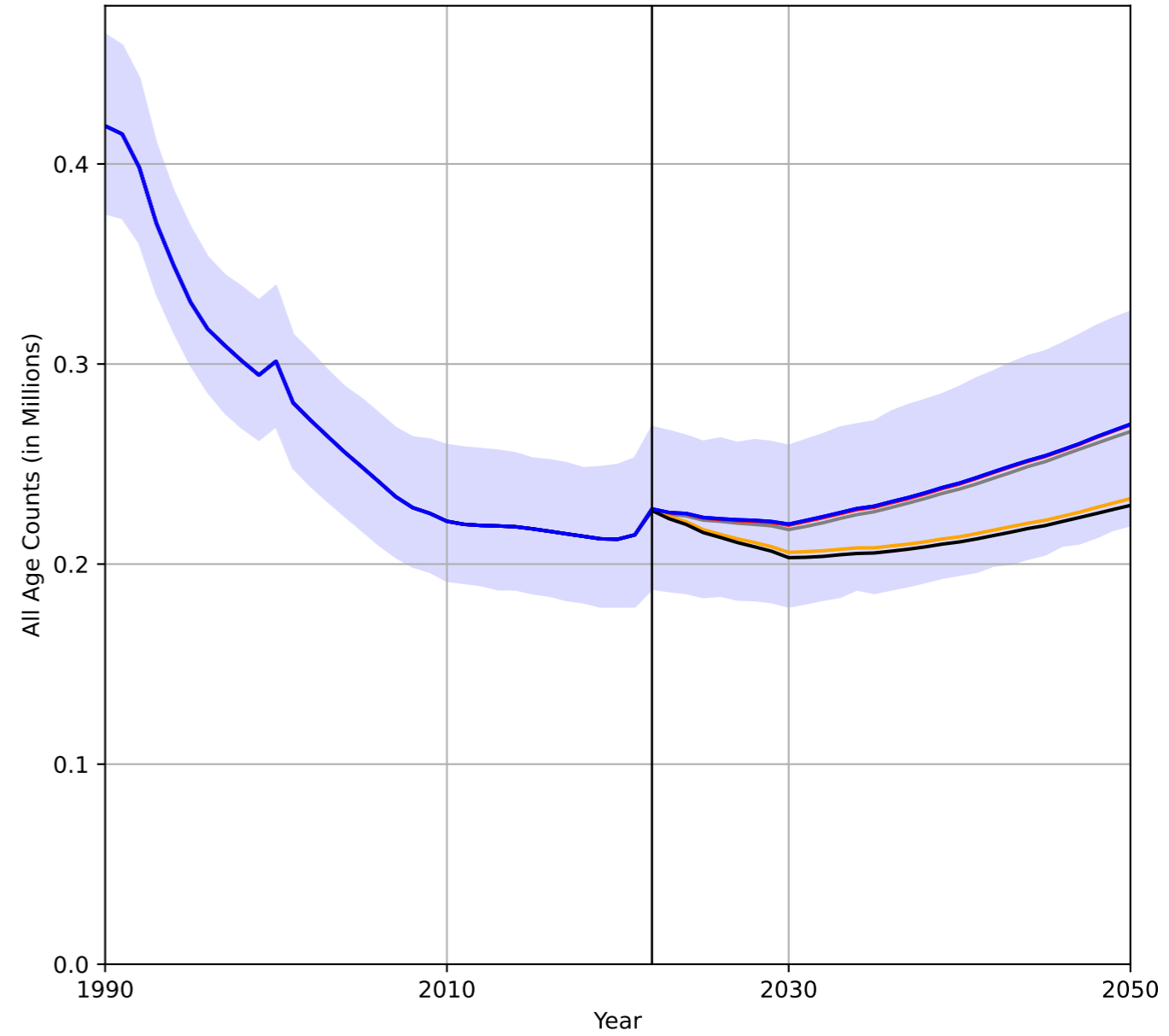
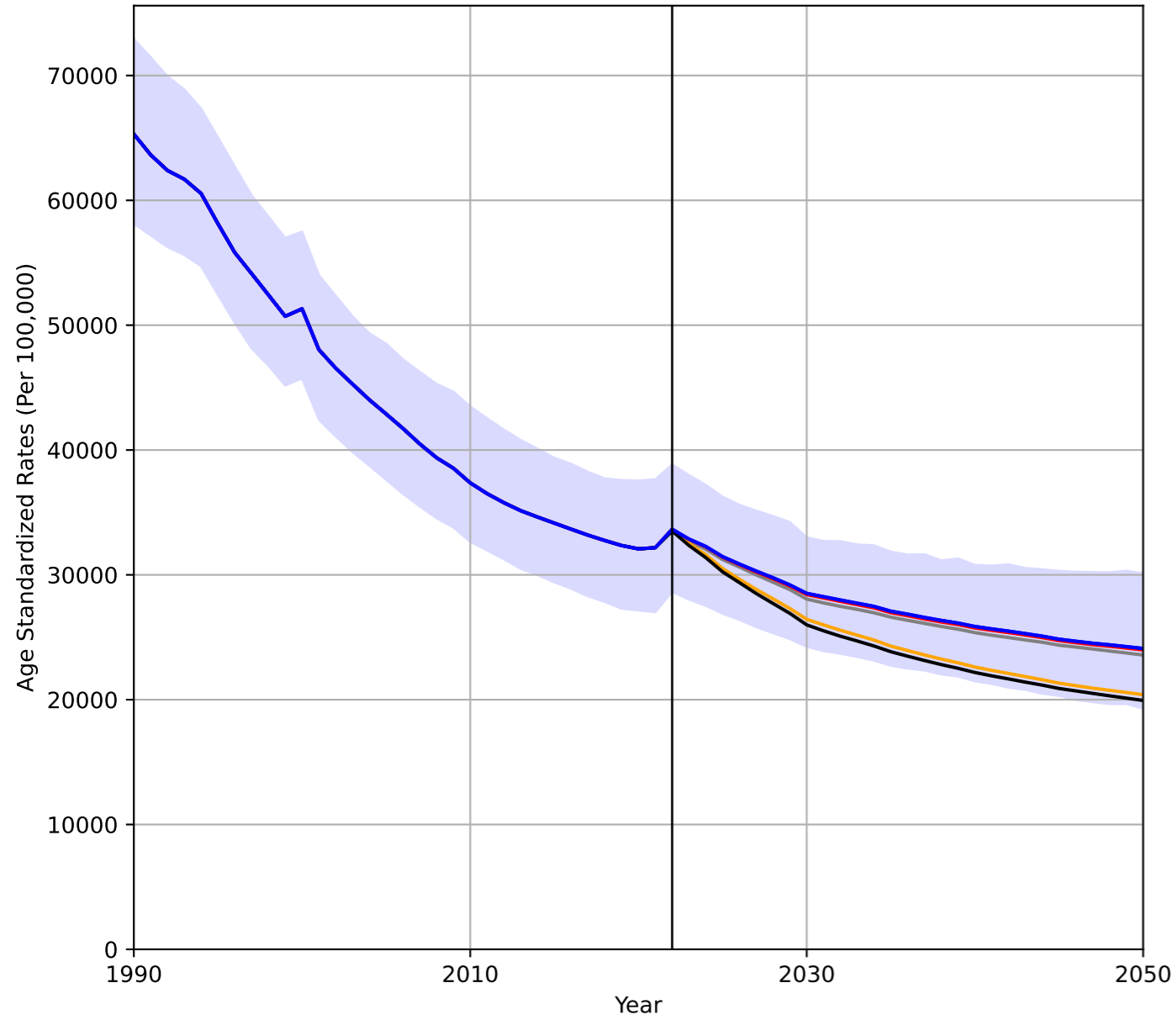
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# Bhutan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

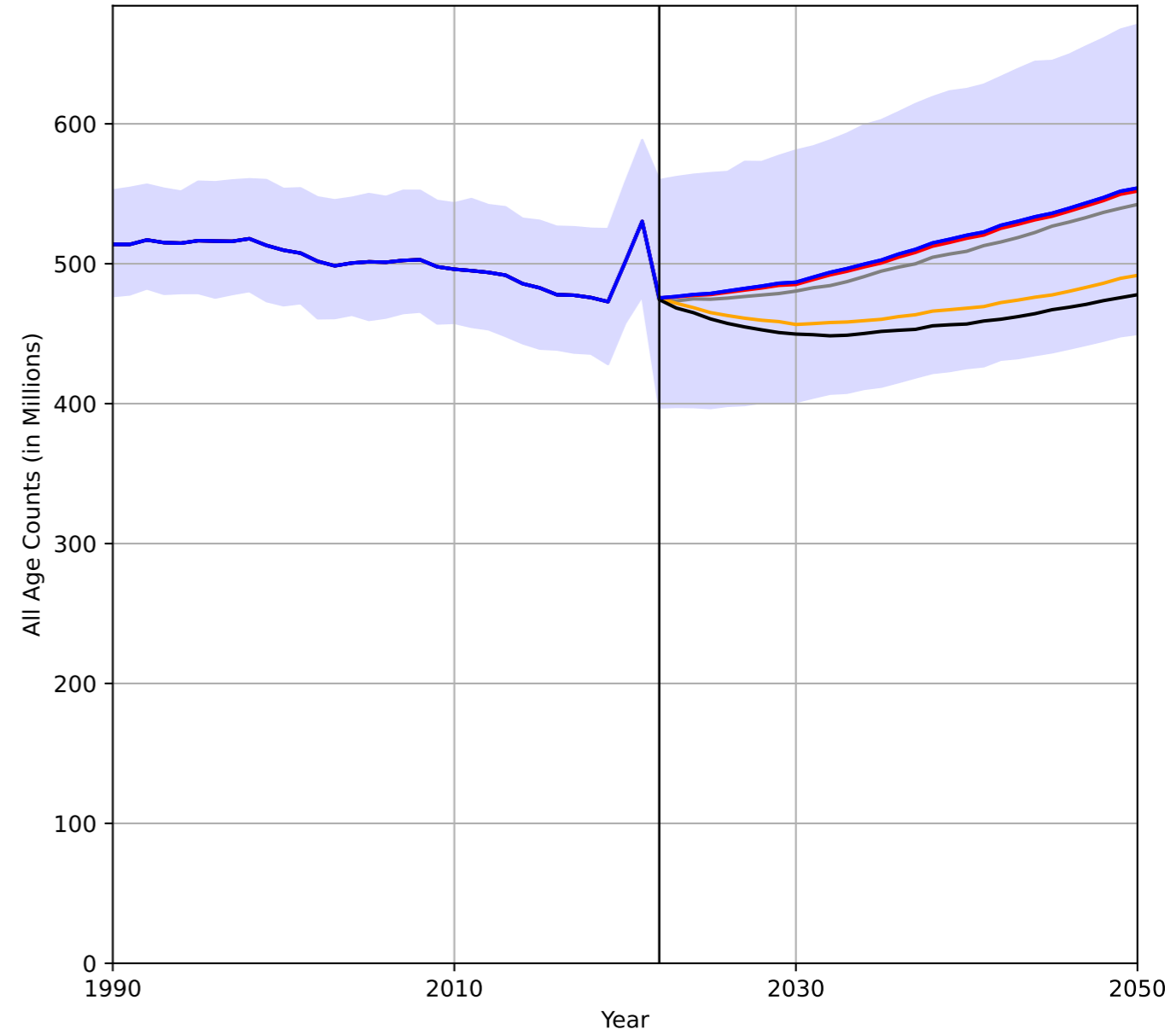
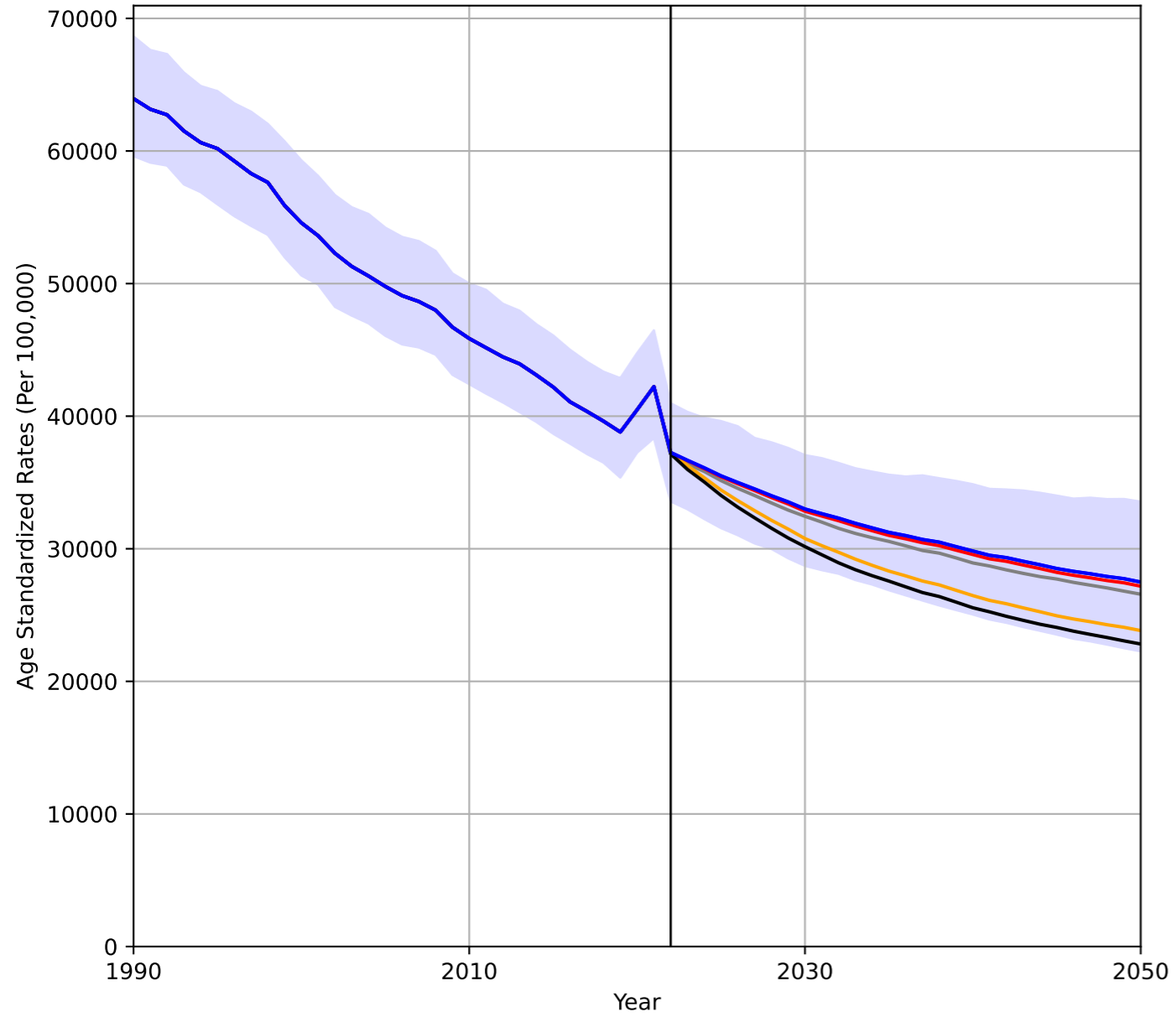
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# India

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

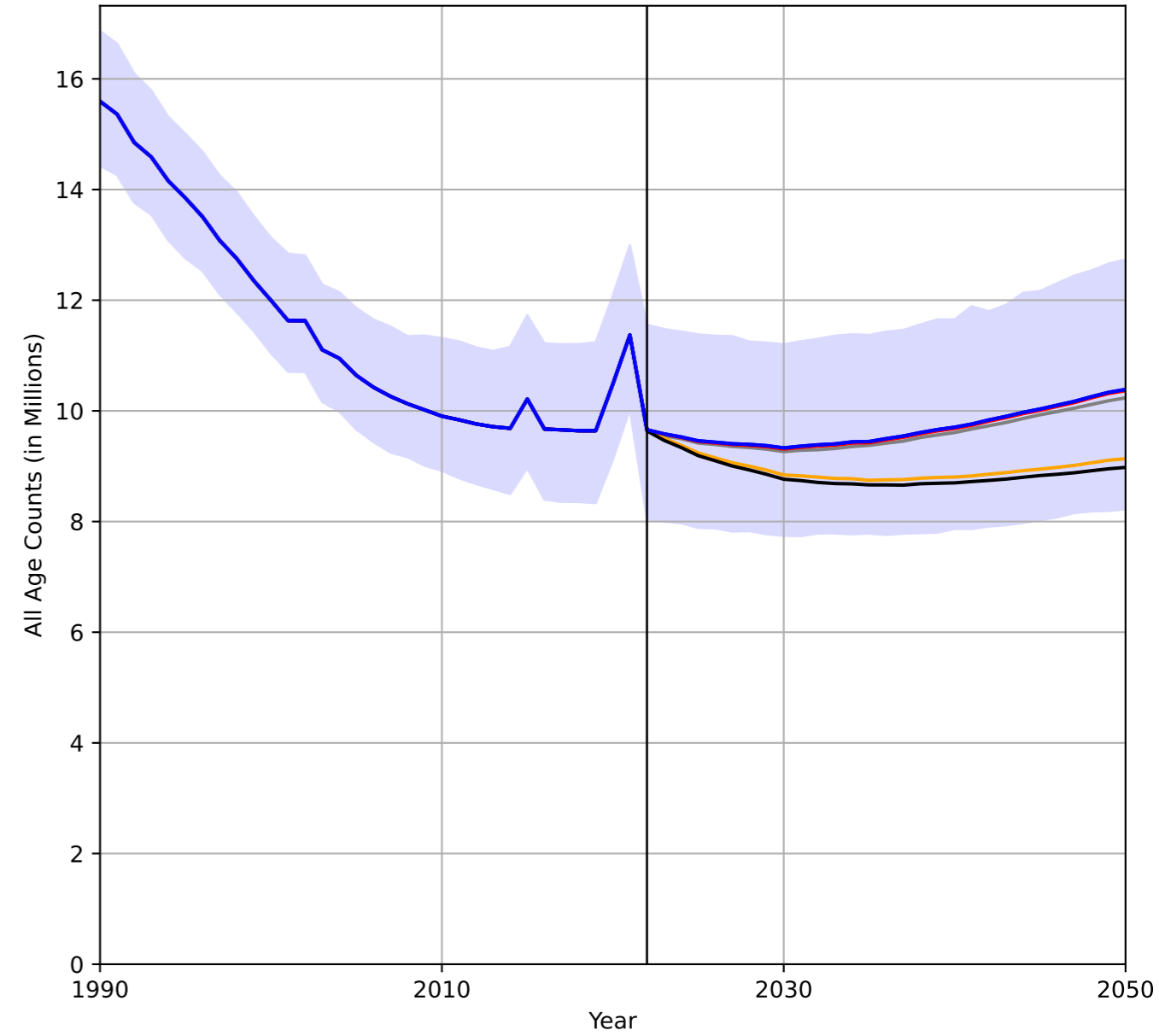
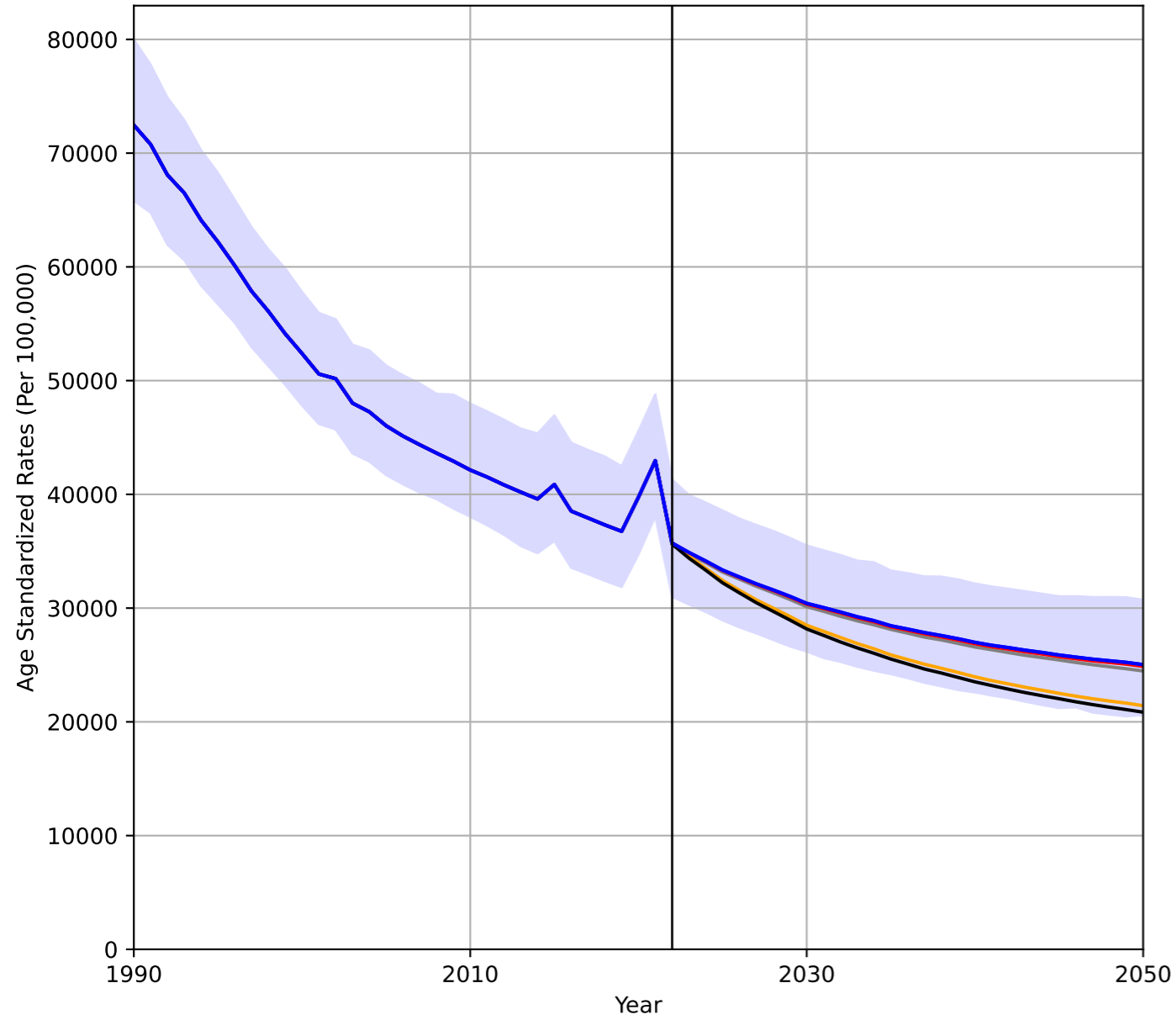
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# Nepal

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

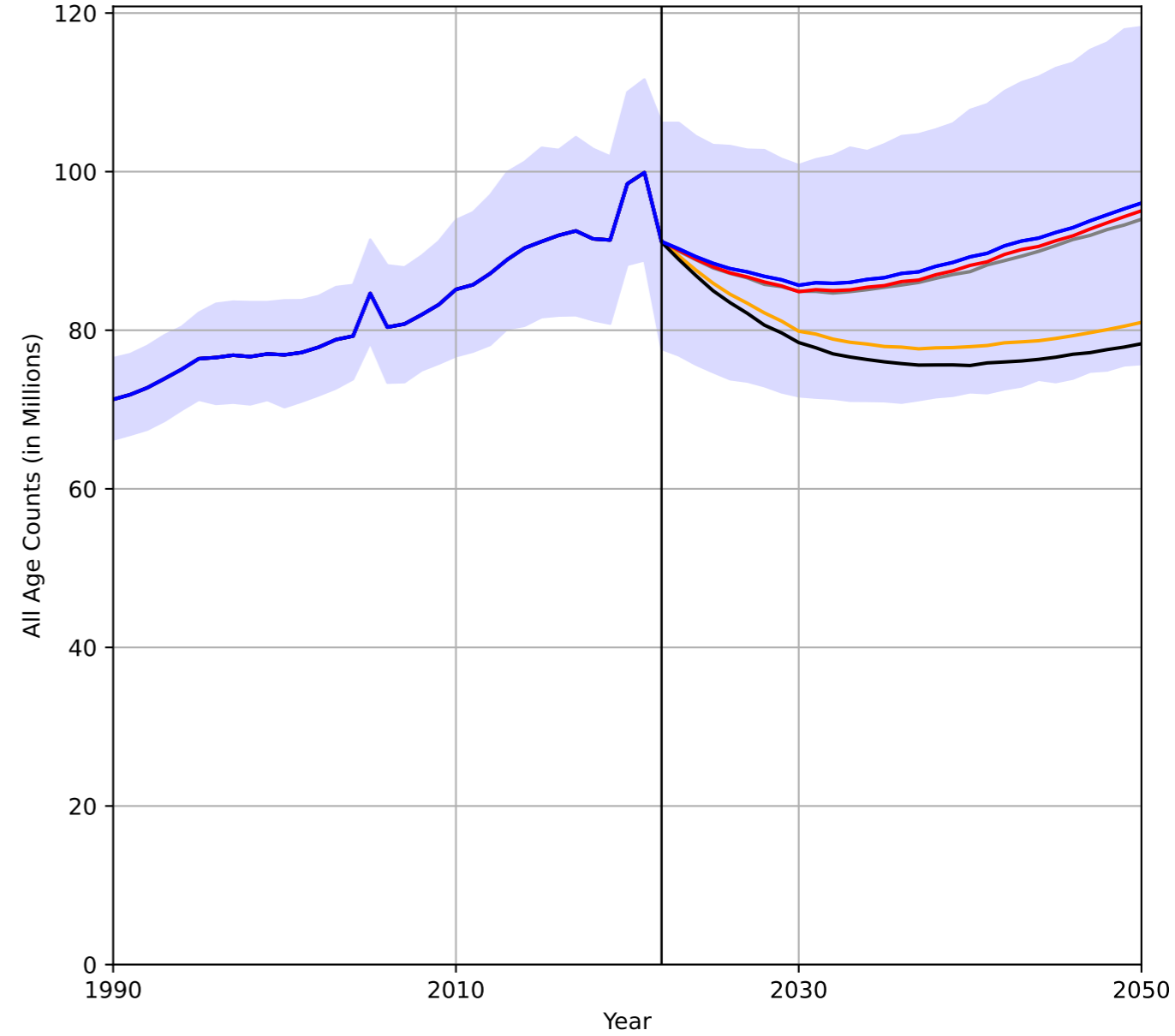
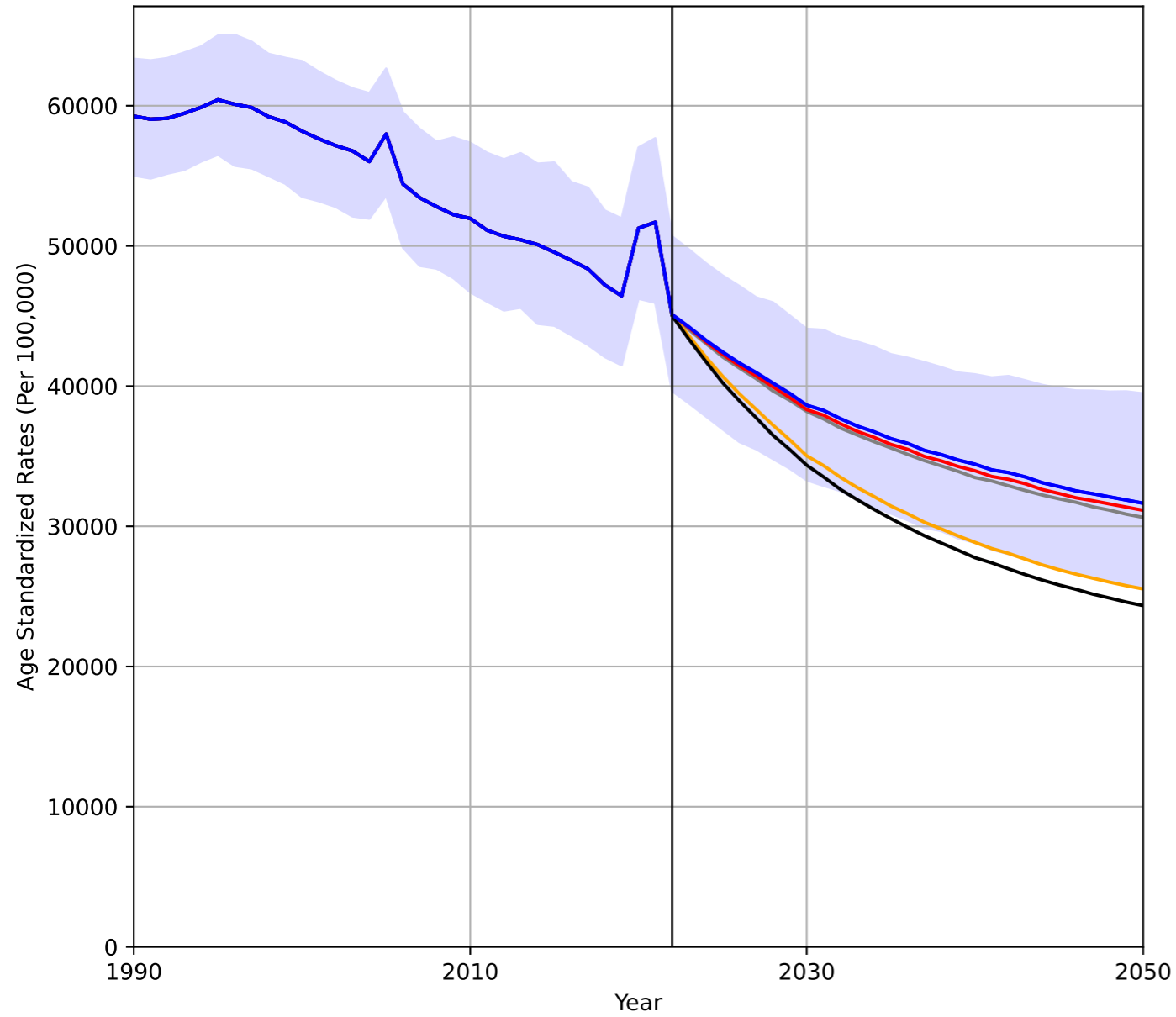
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# Pakistan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

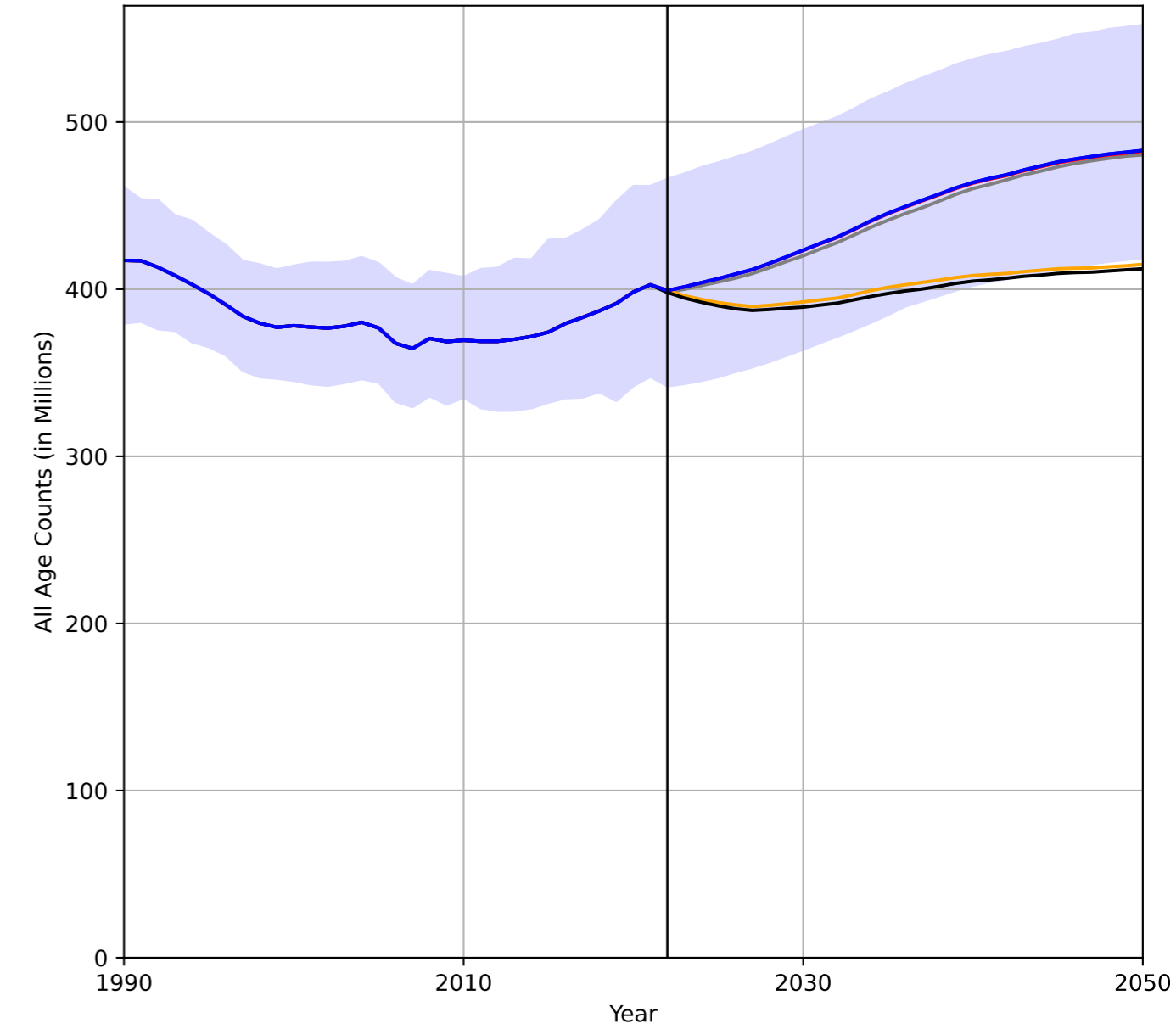
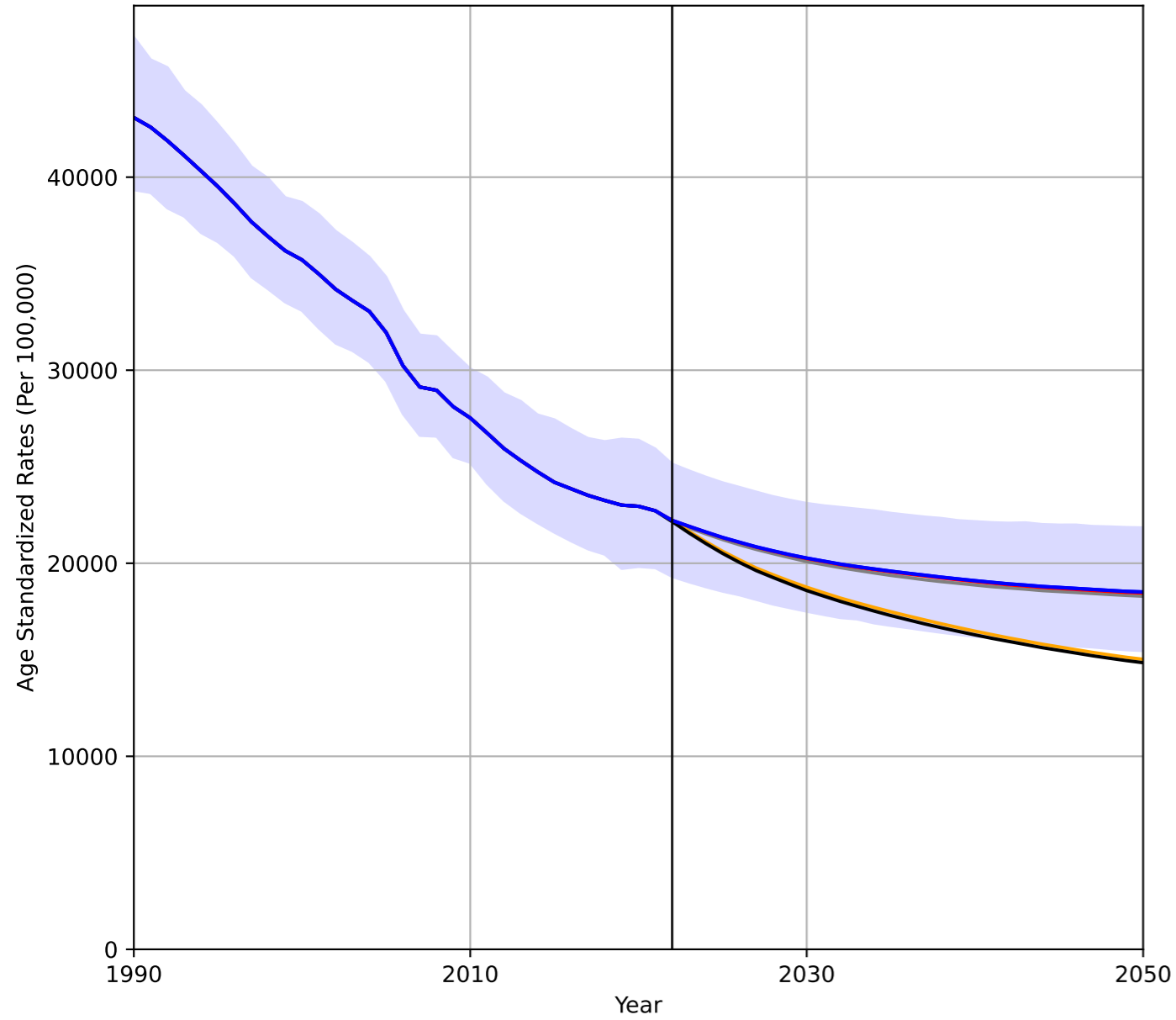
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# China

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1535

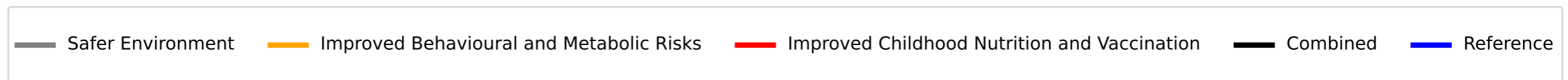
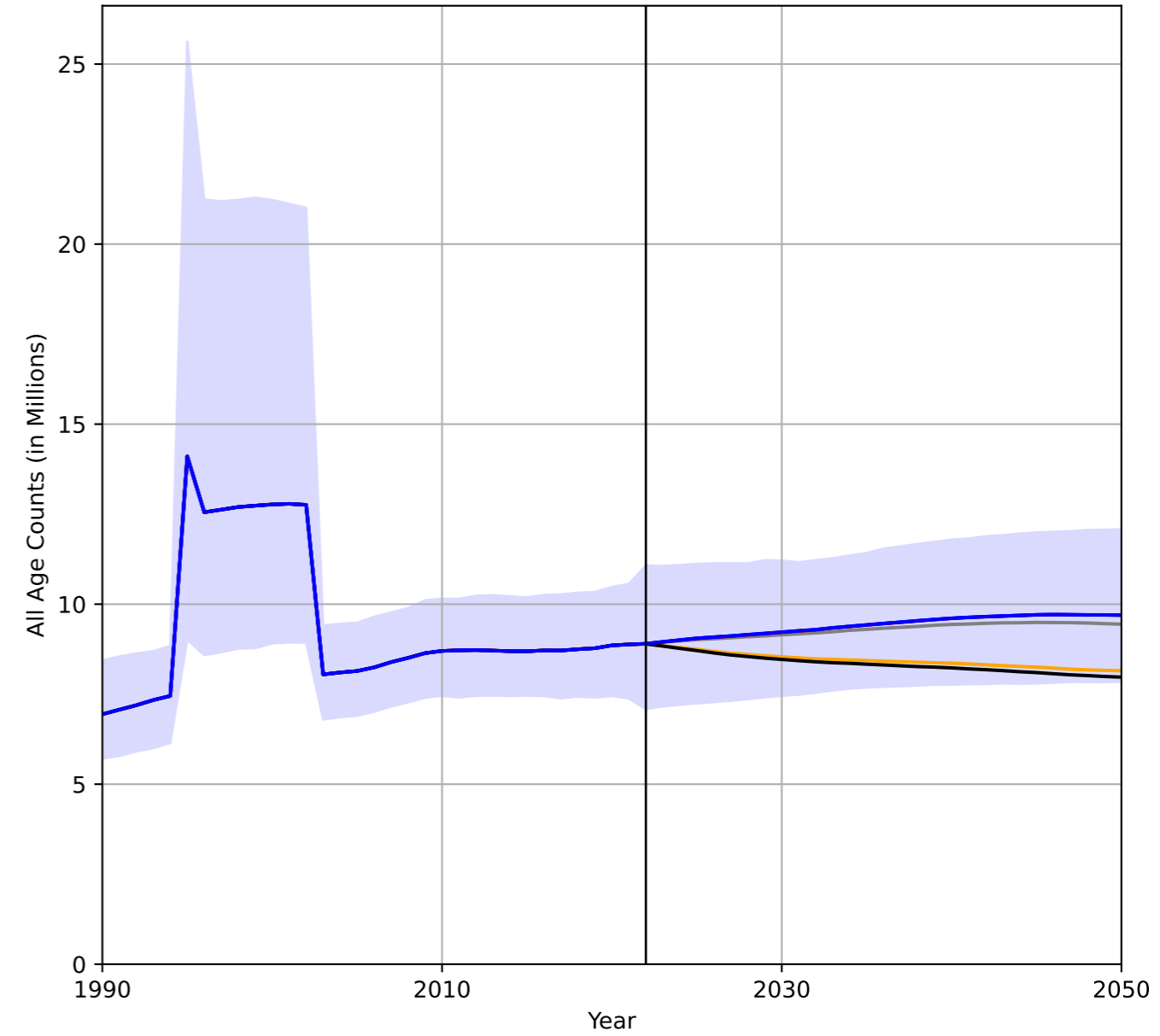
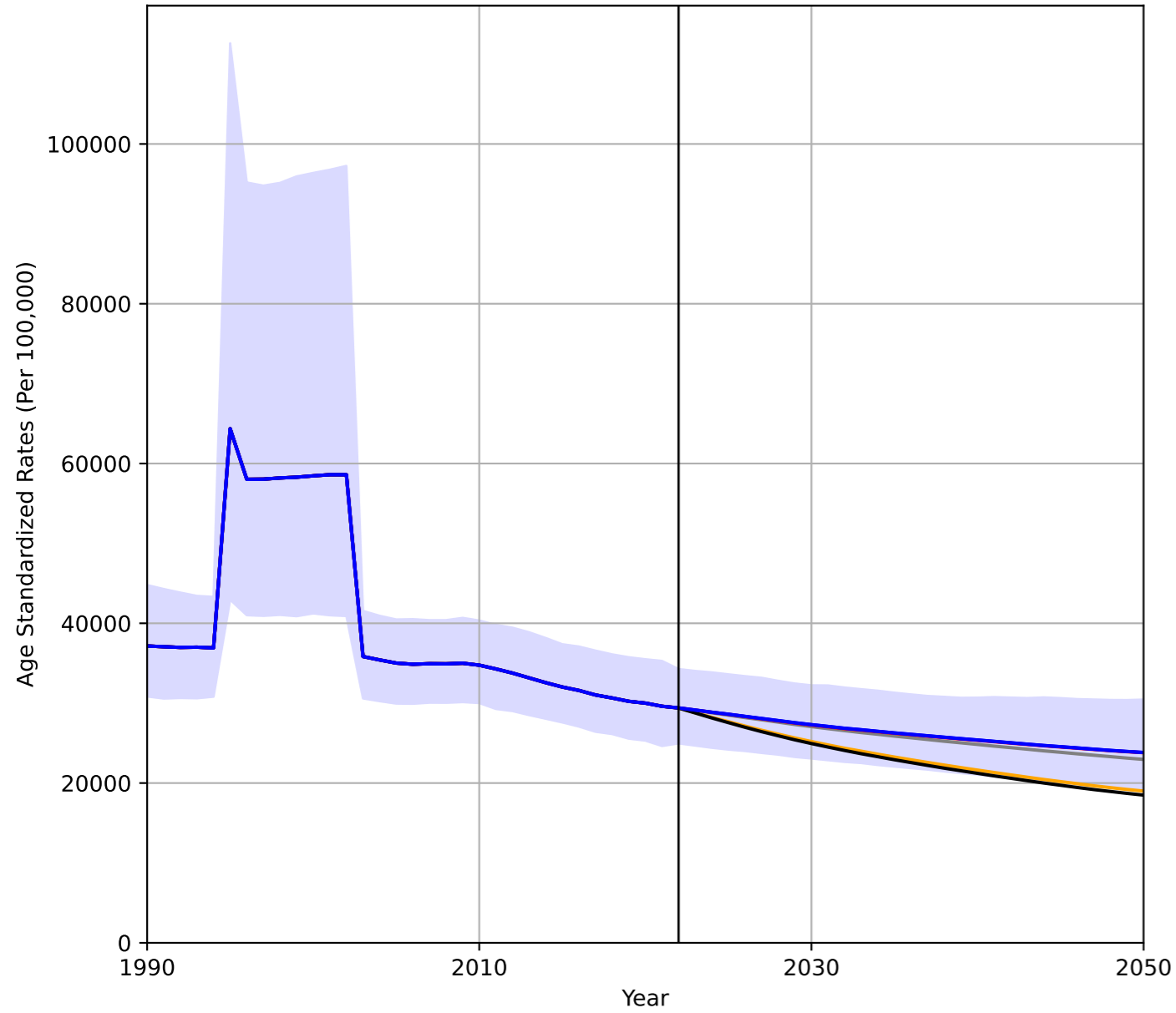




# North Korea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

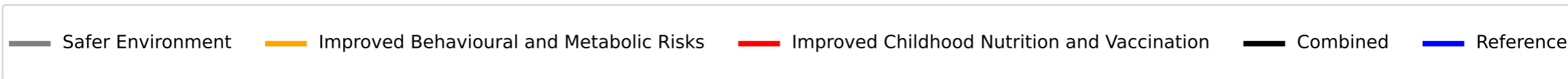
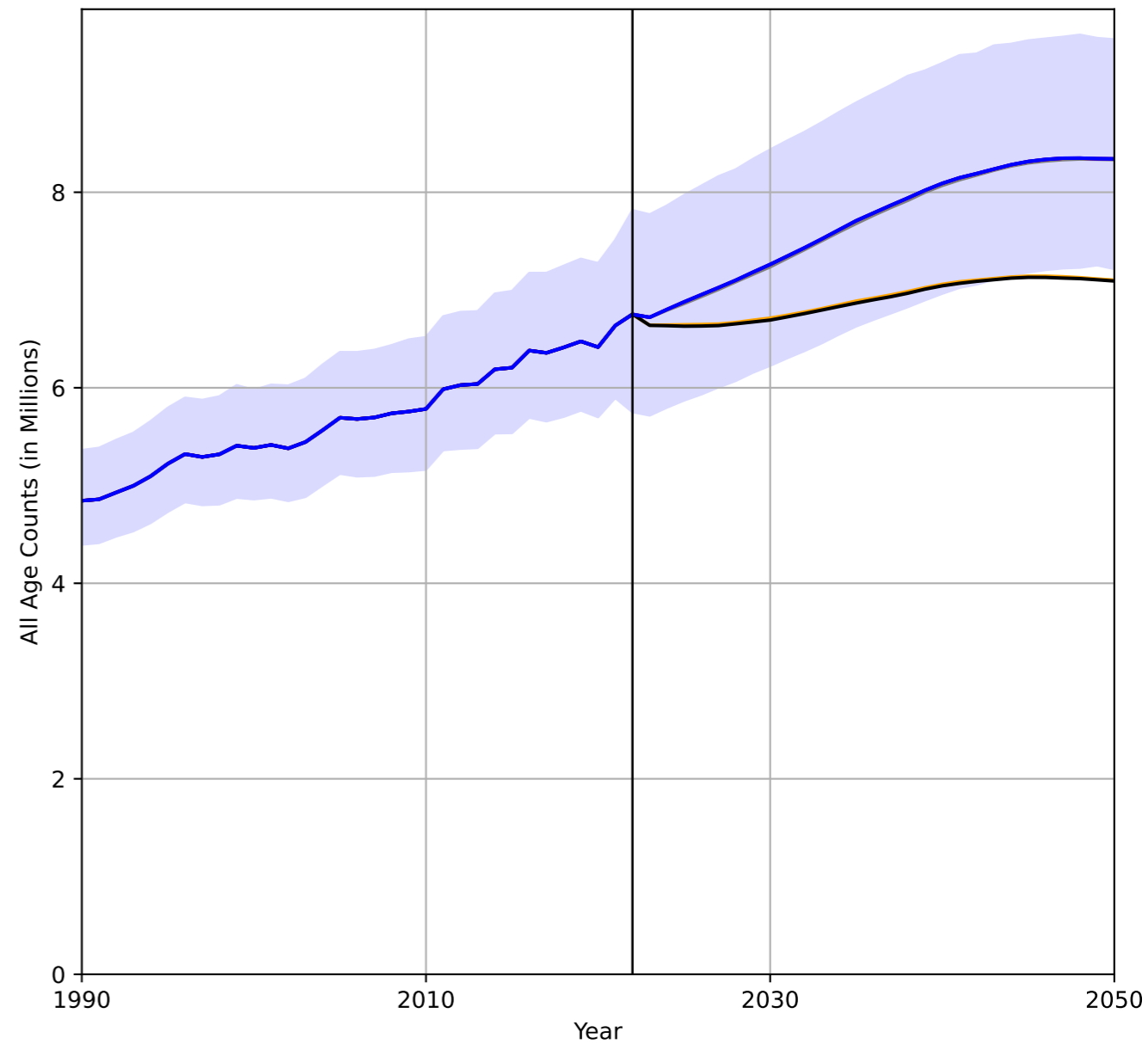
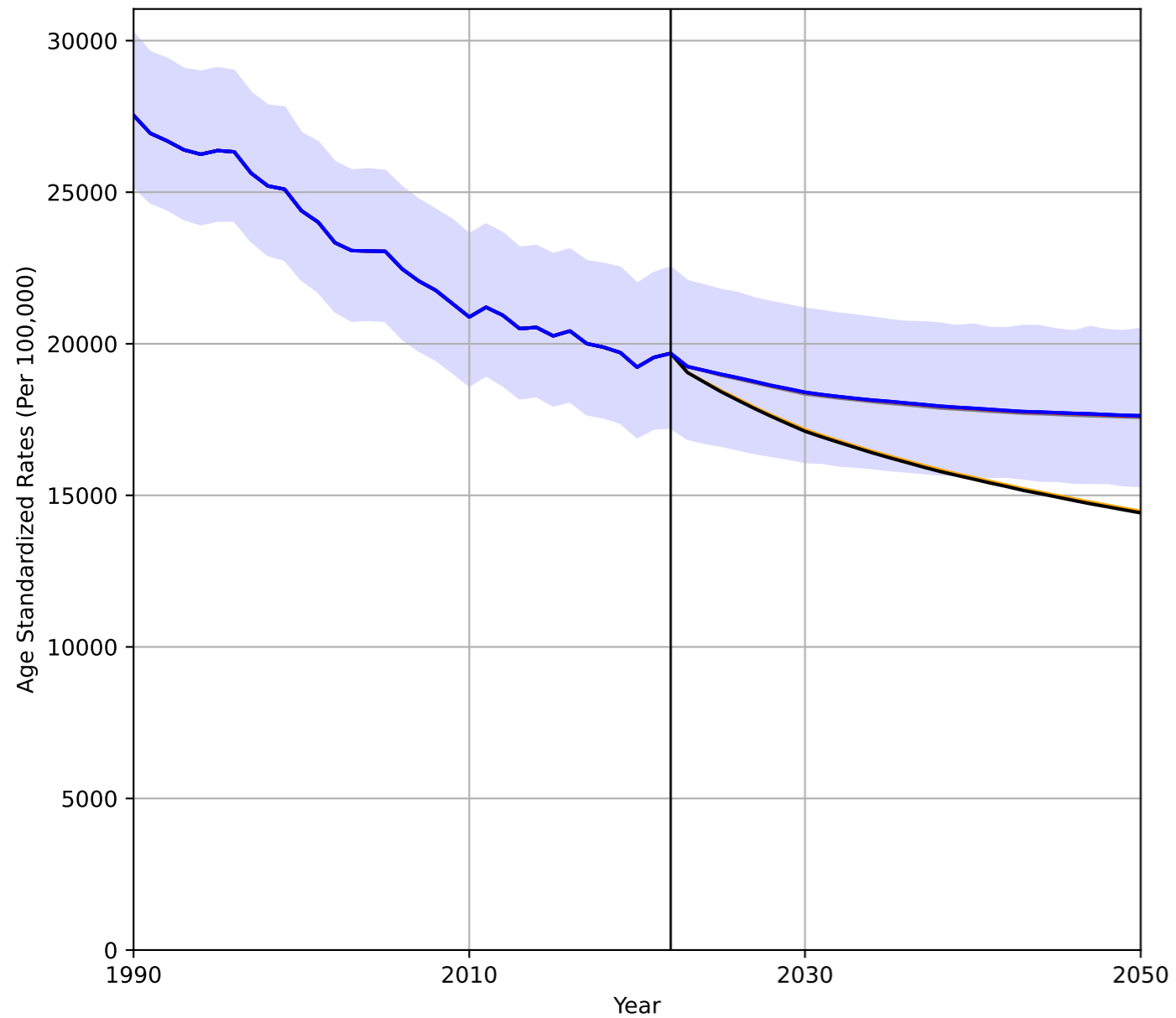
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# Taiwan (Province Of China)

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

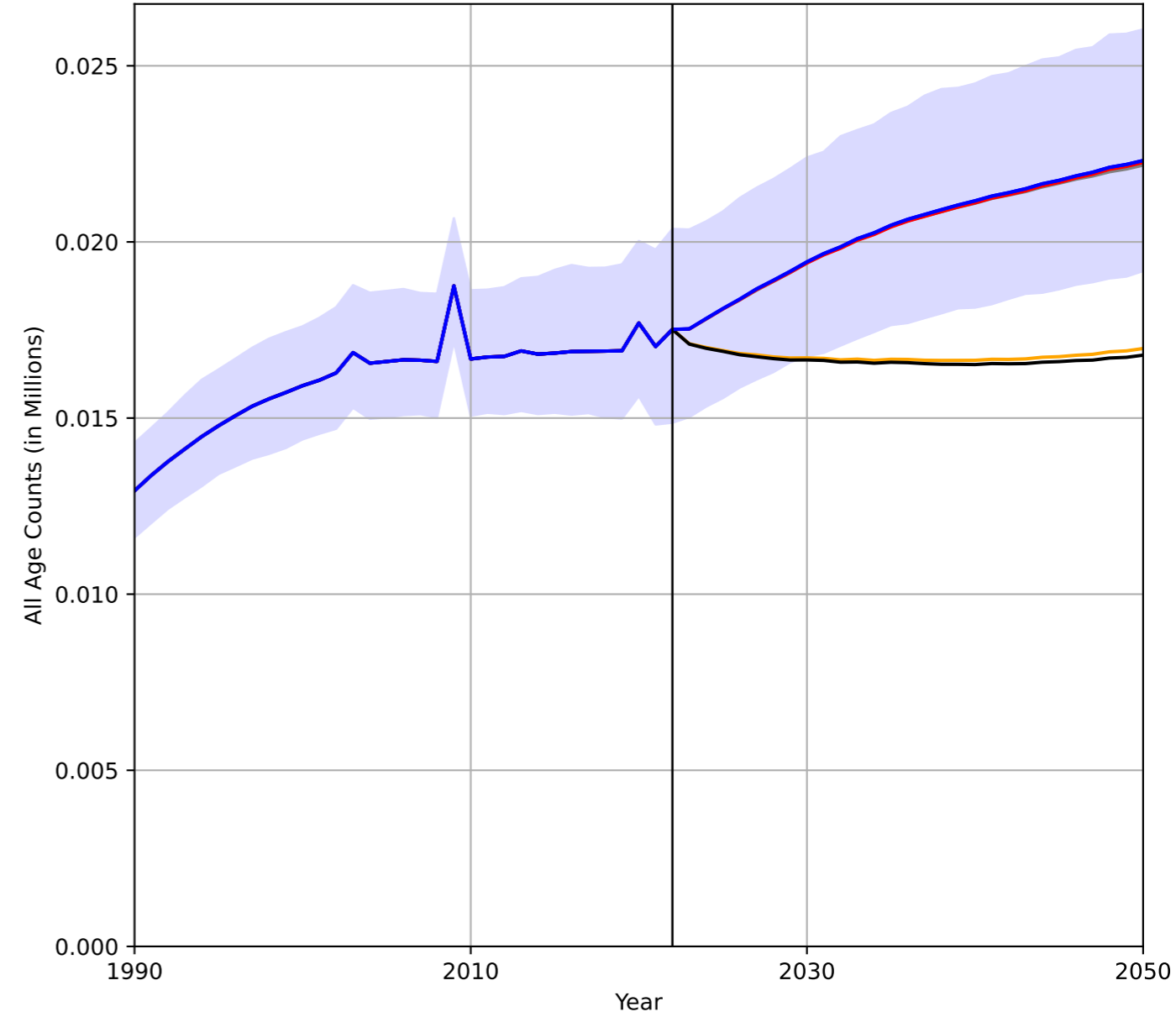
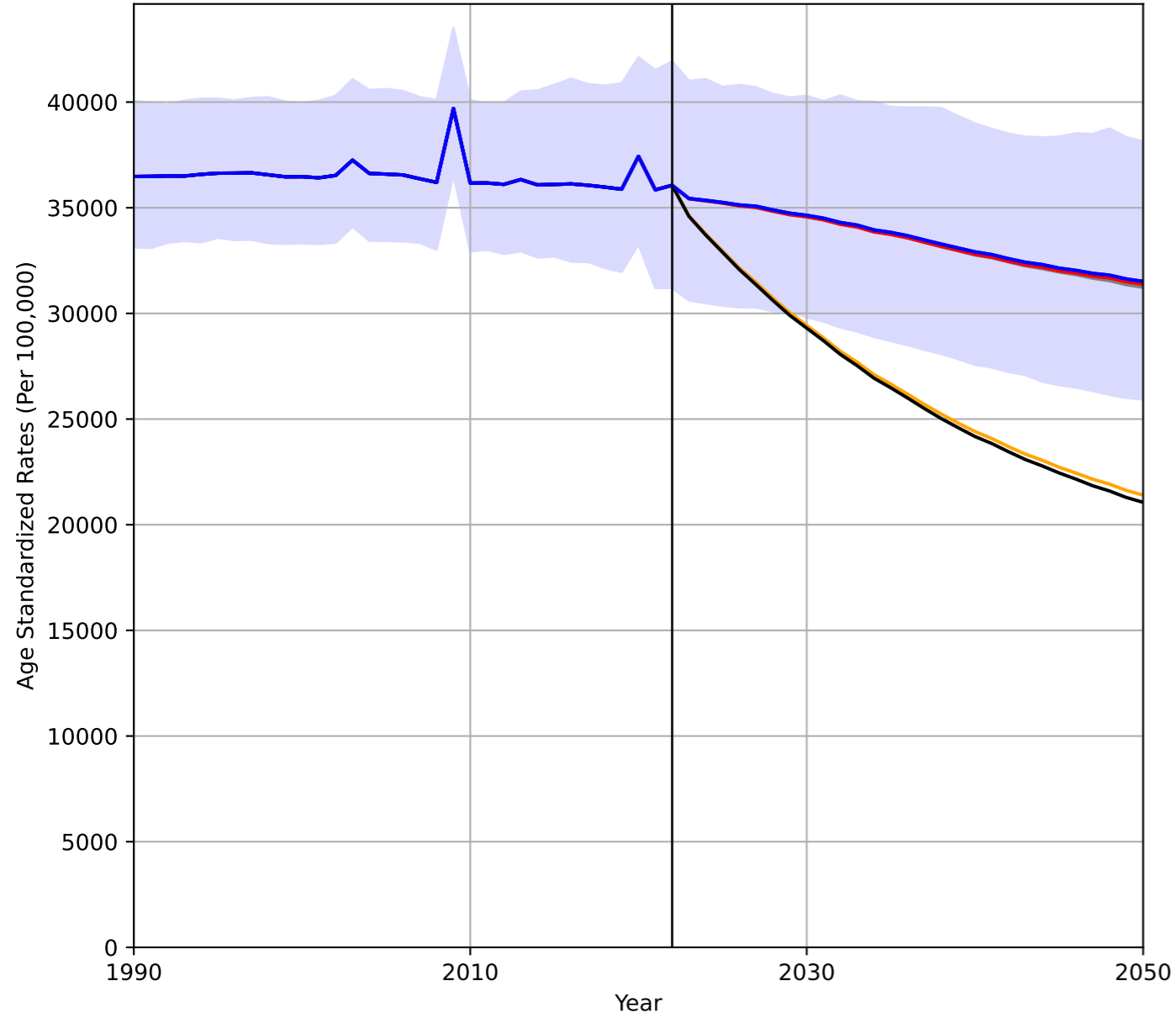
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# American Samoa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

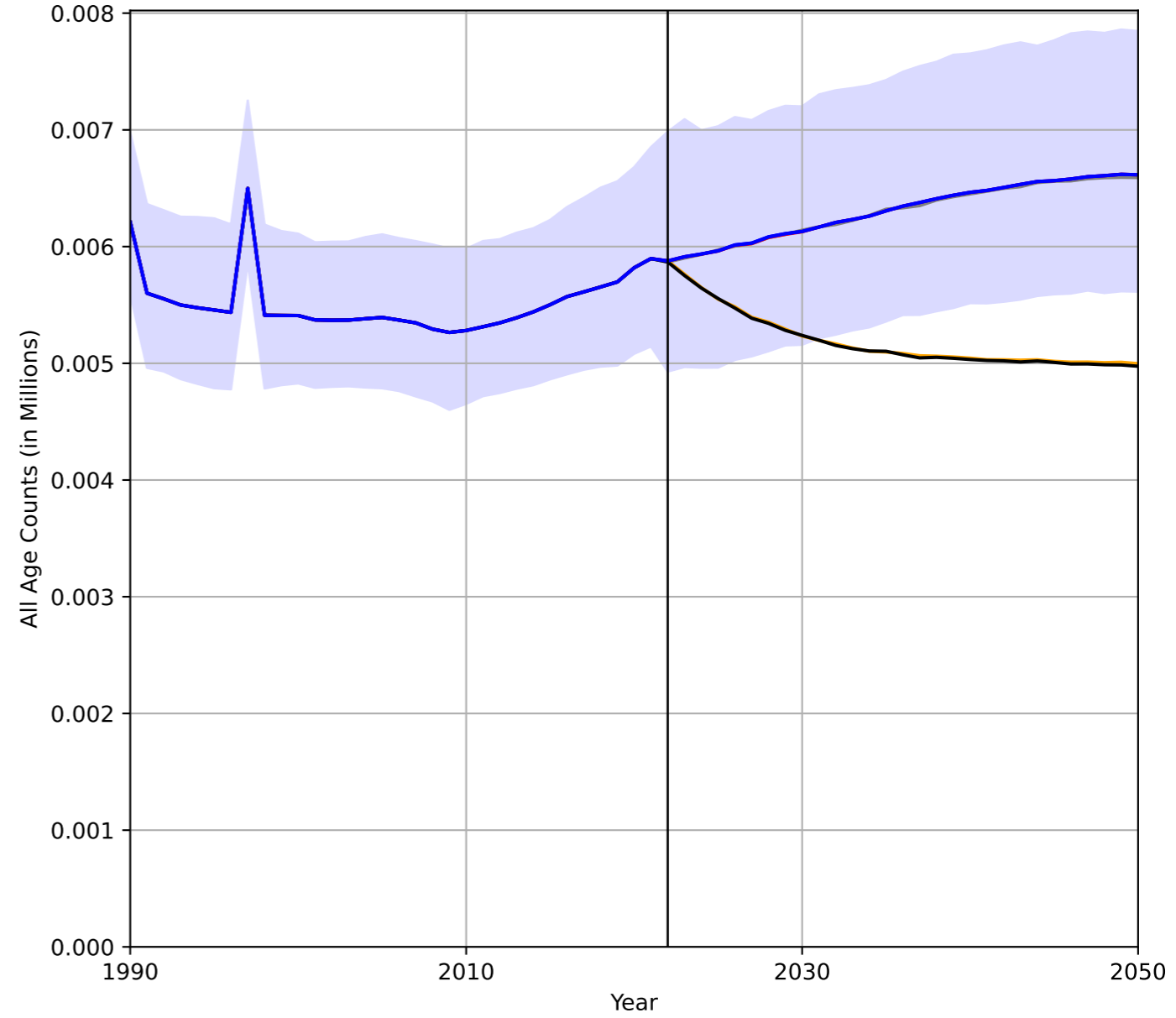
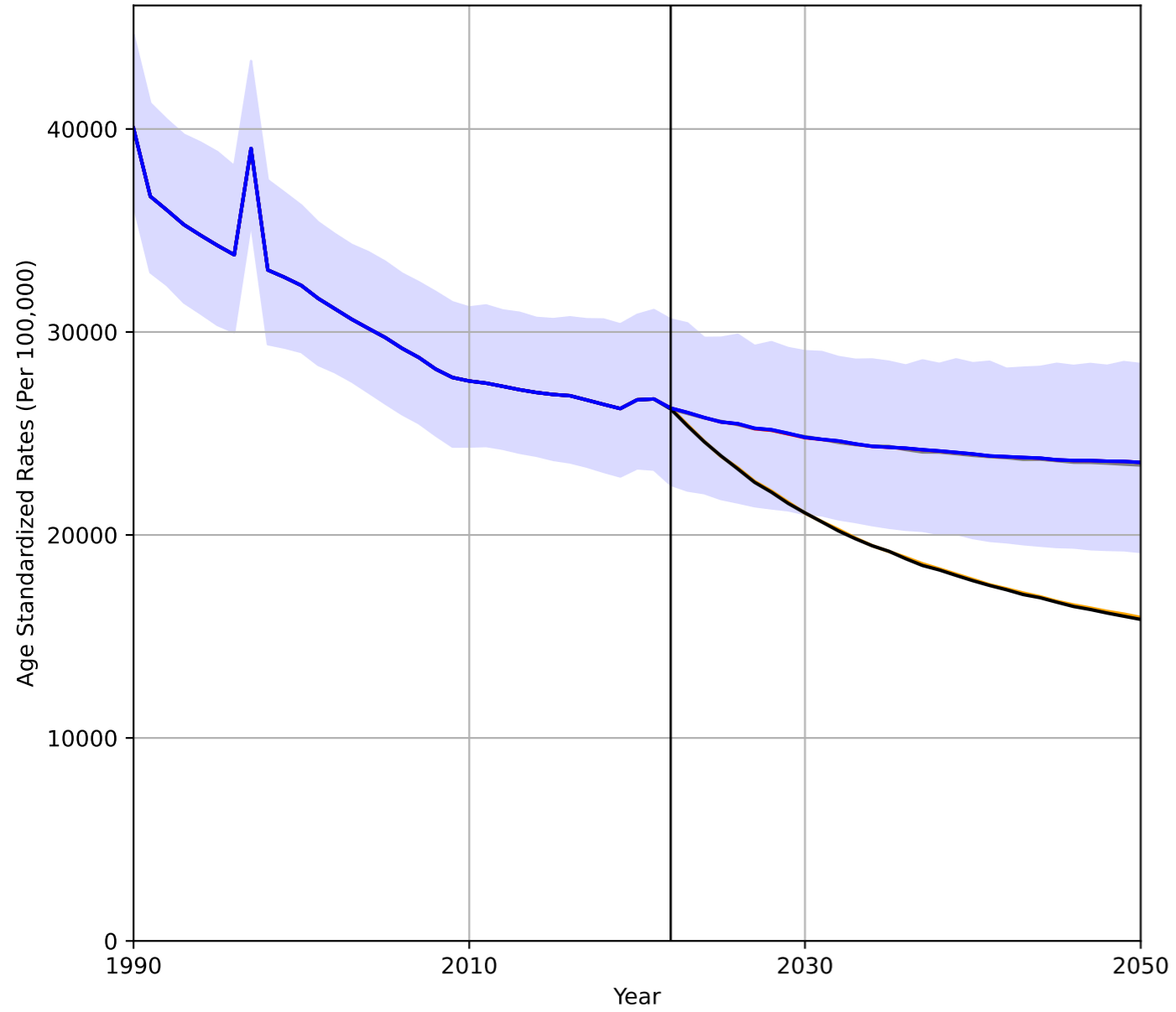
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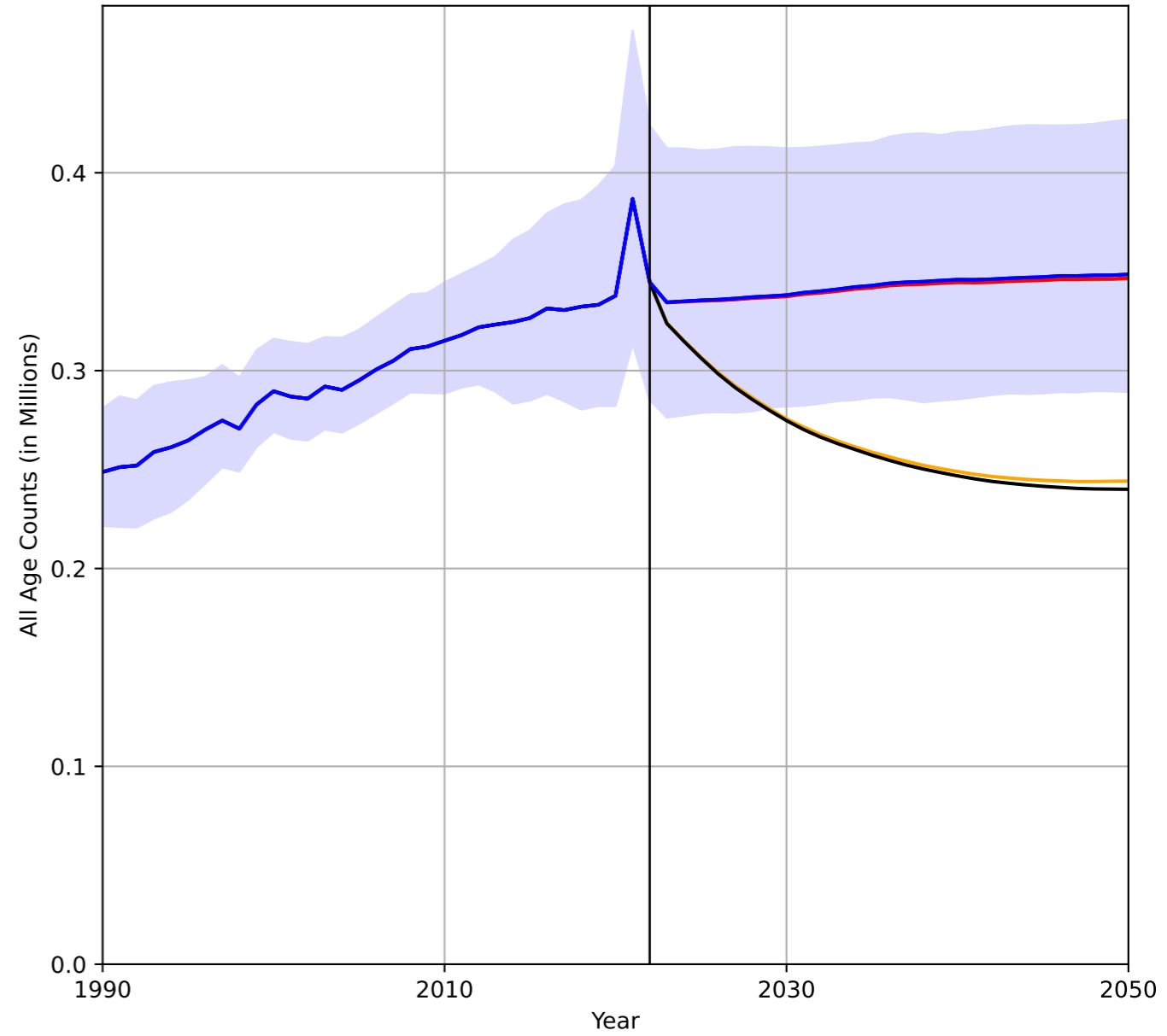
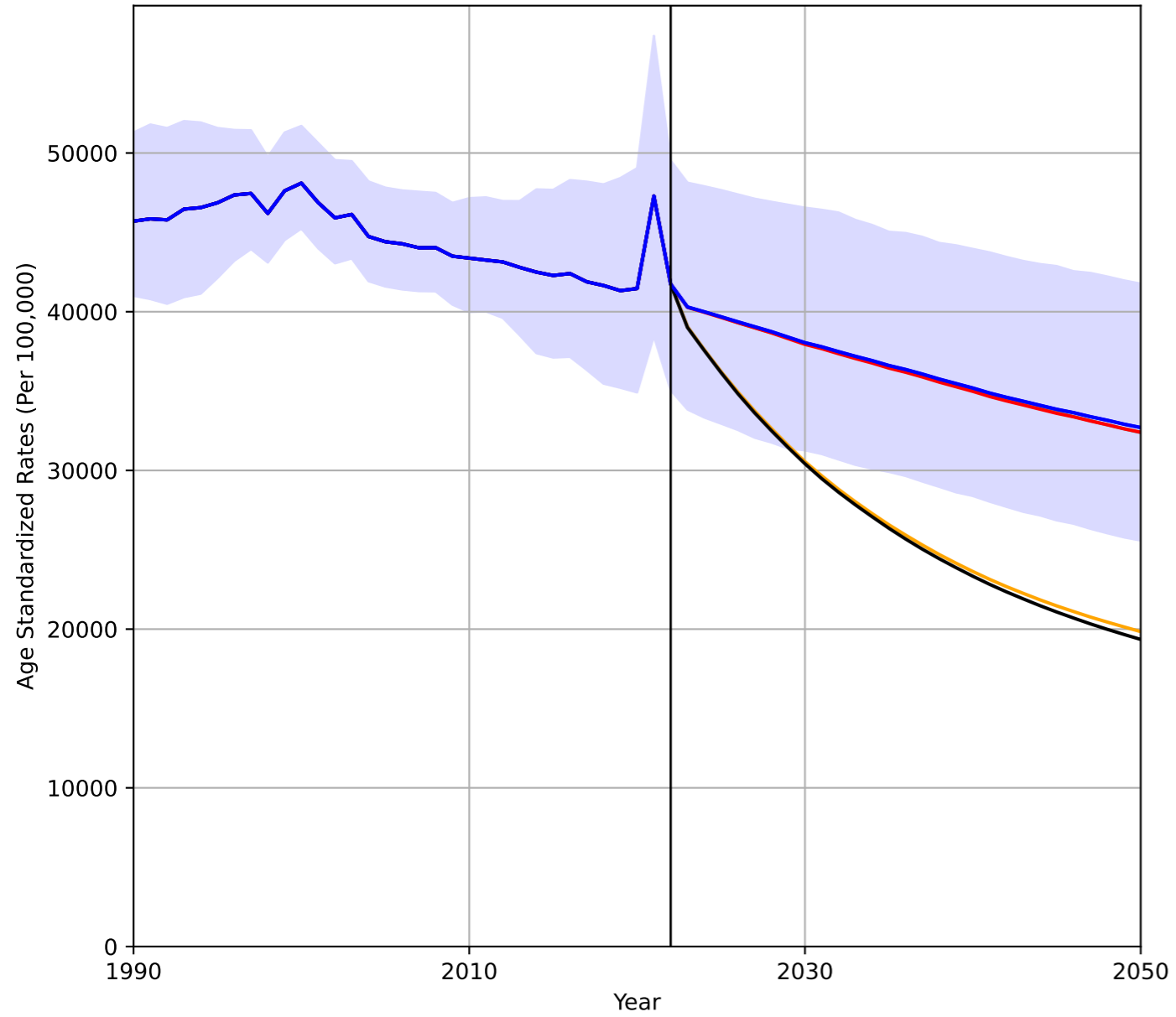
# Cook Islands

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1539



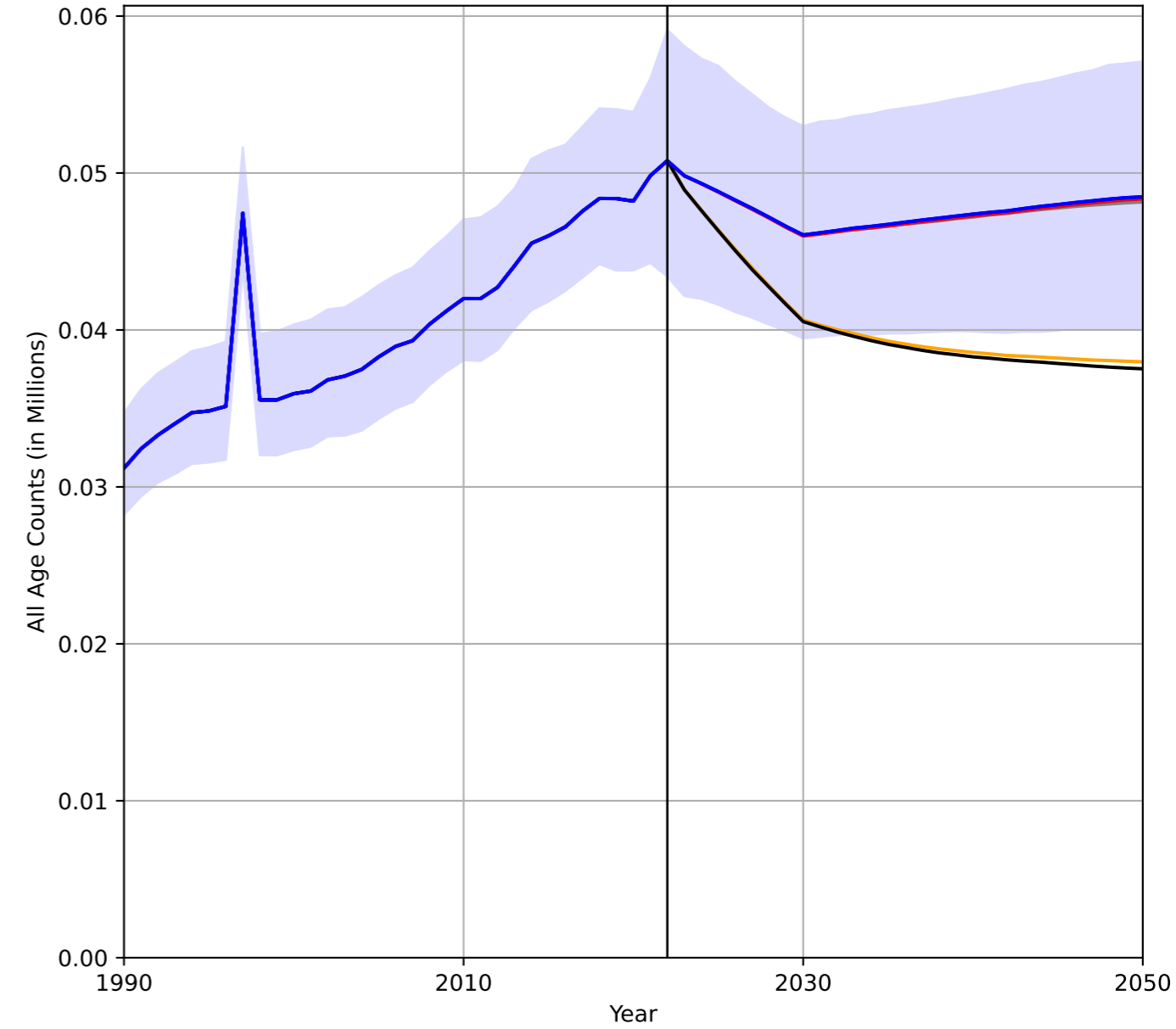
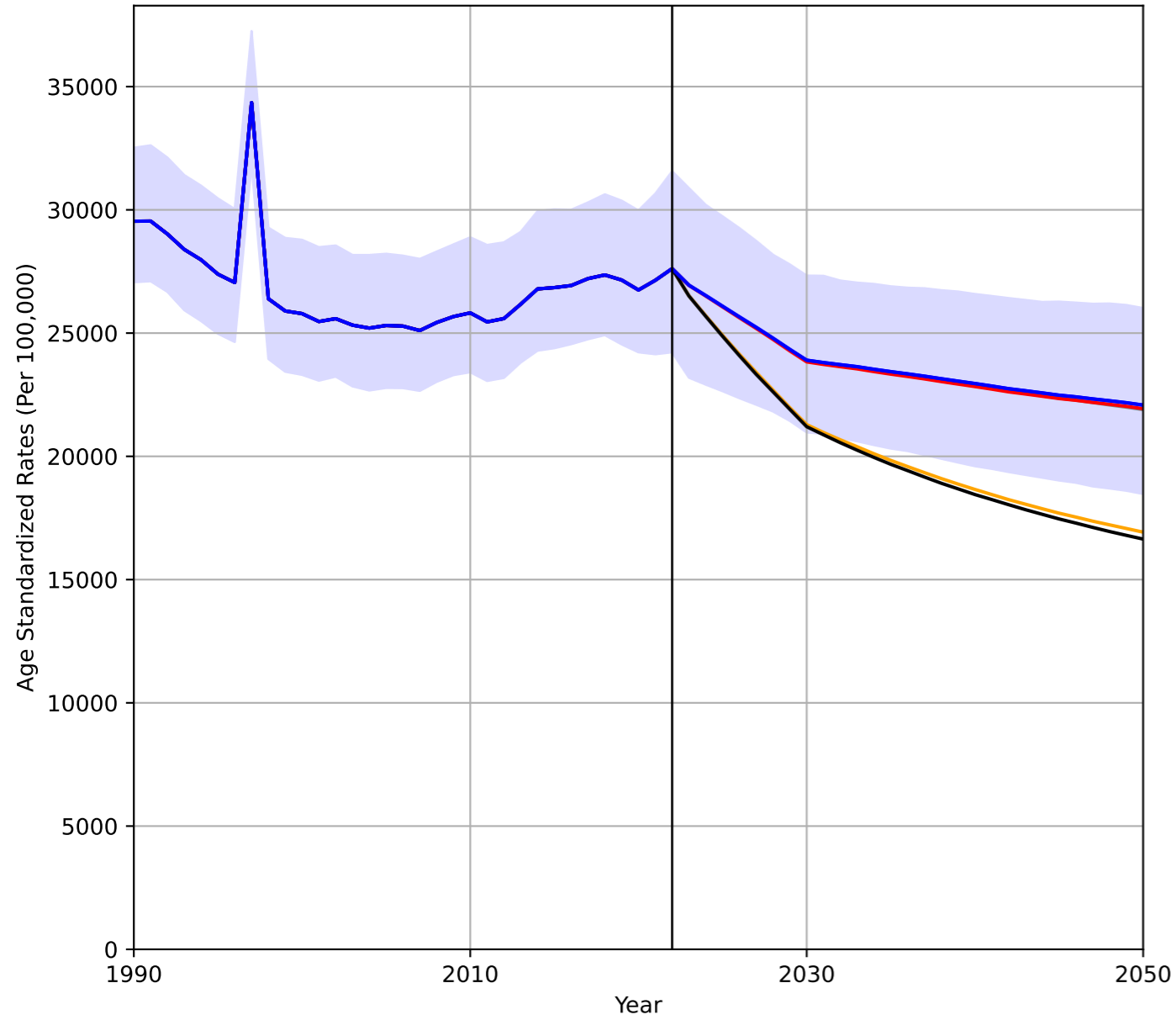
# Fiji



# Guam

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

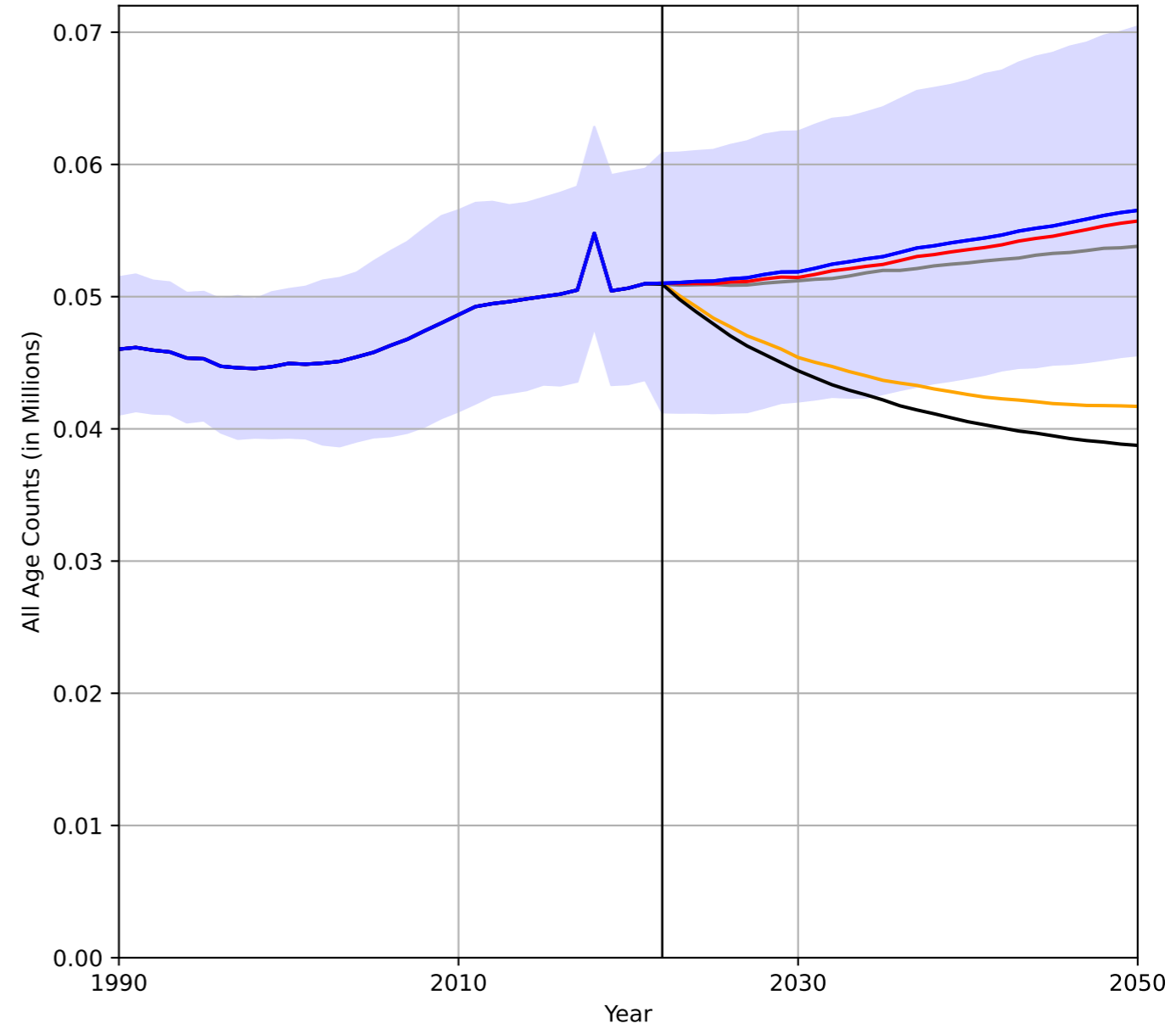
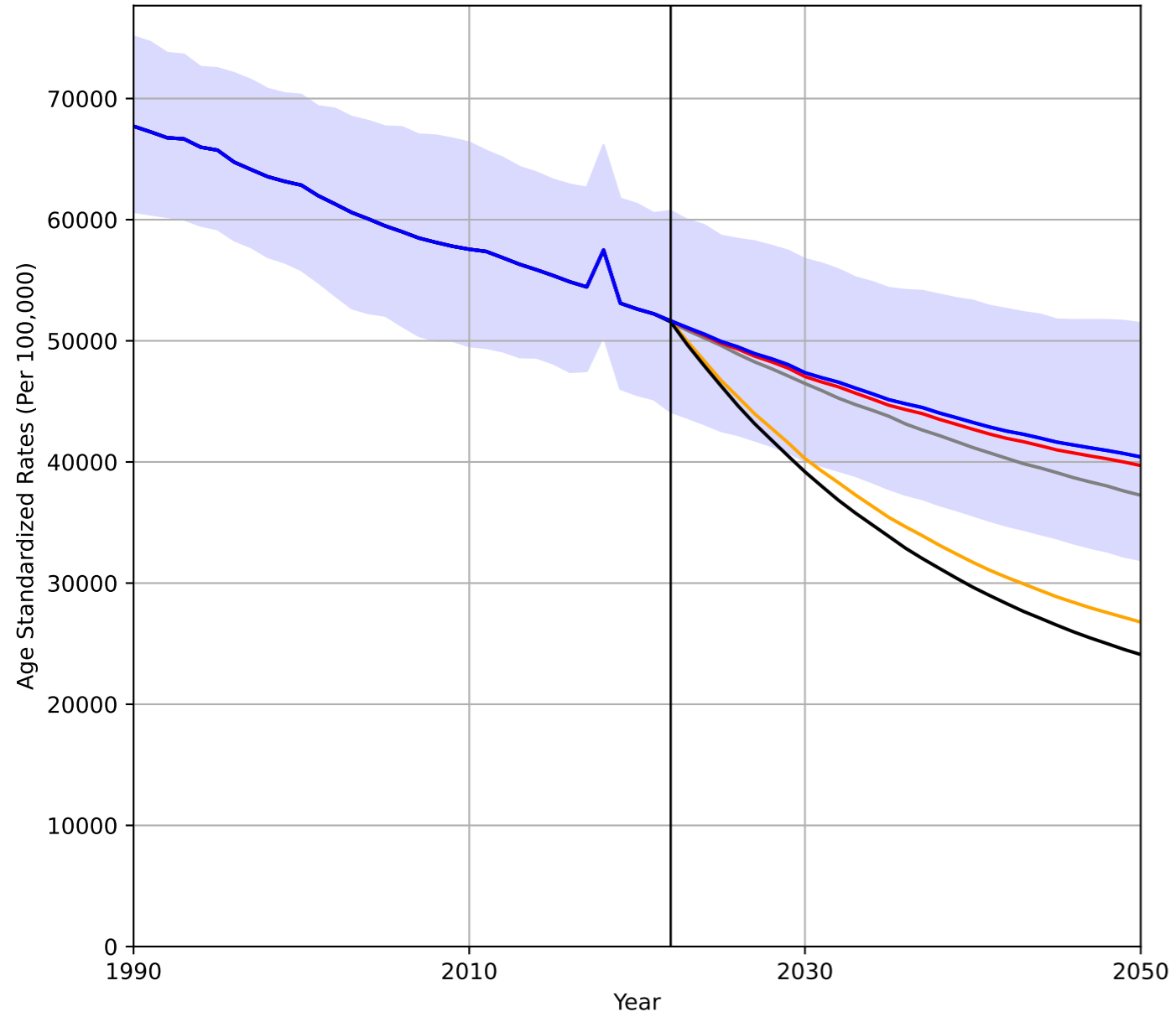
1541



# Kiribati

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

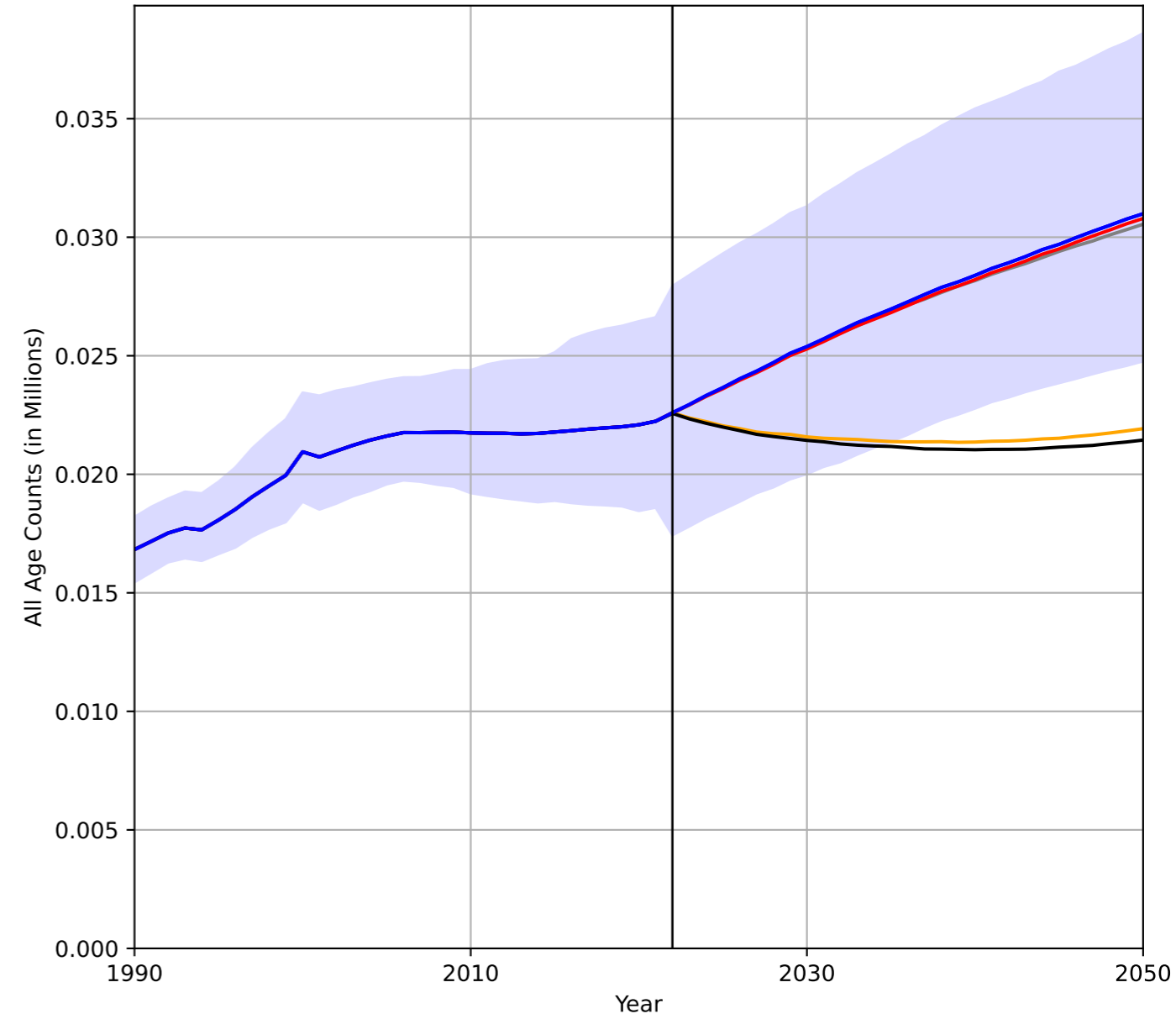
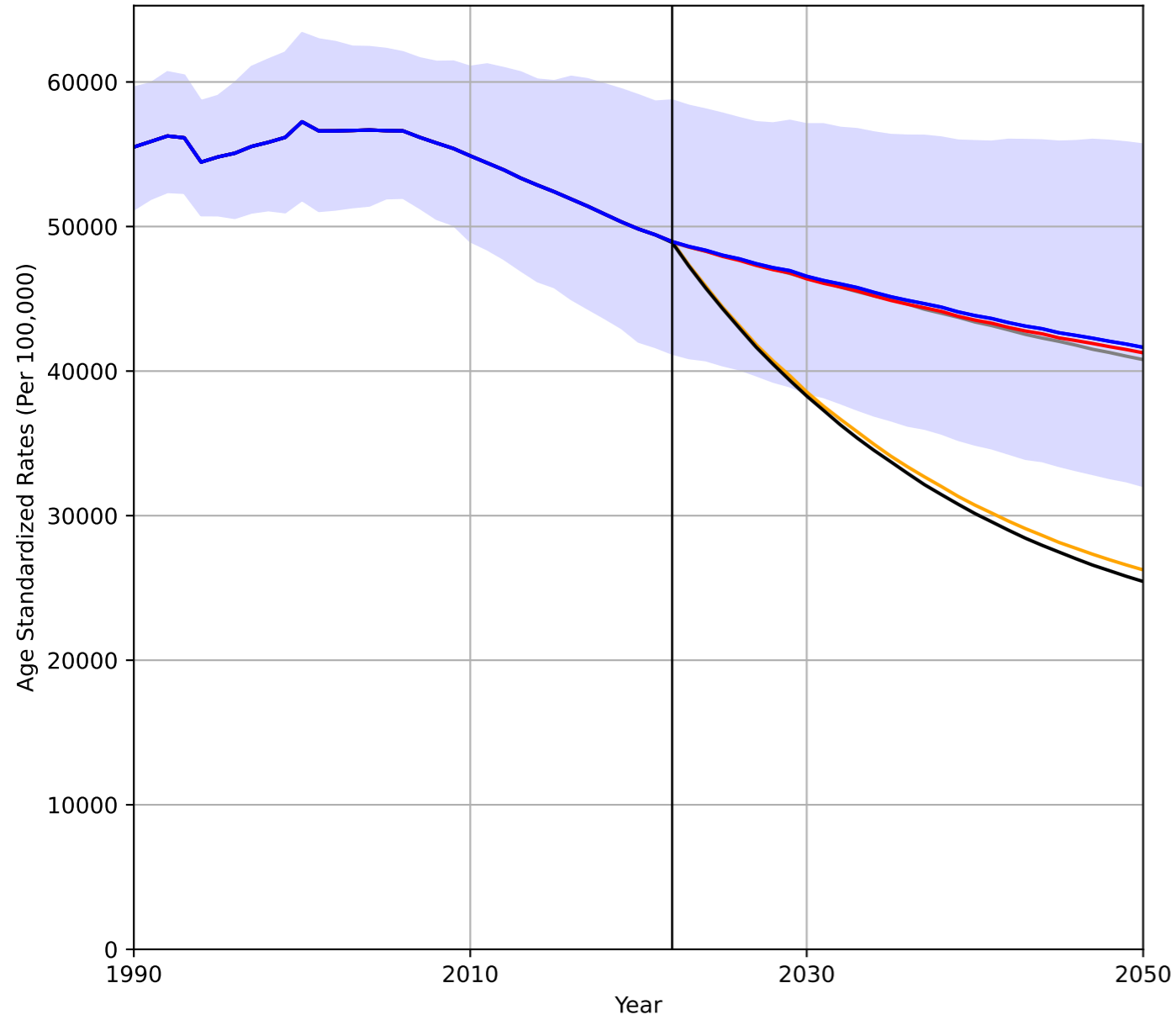
1542



# Marshall Islands

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1543

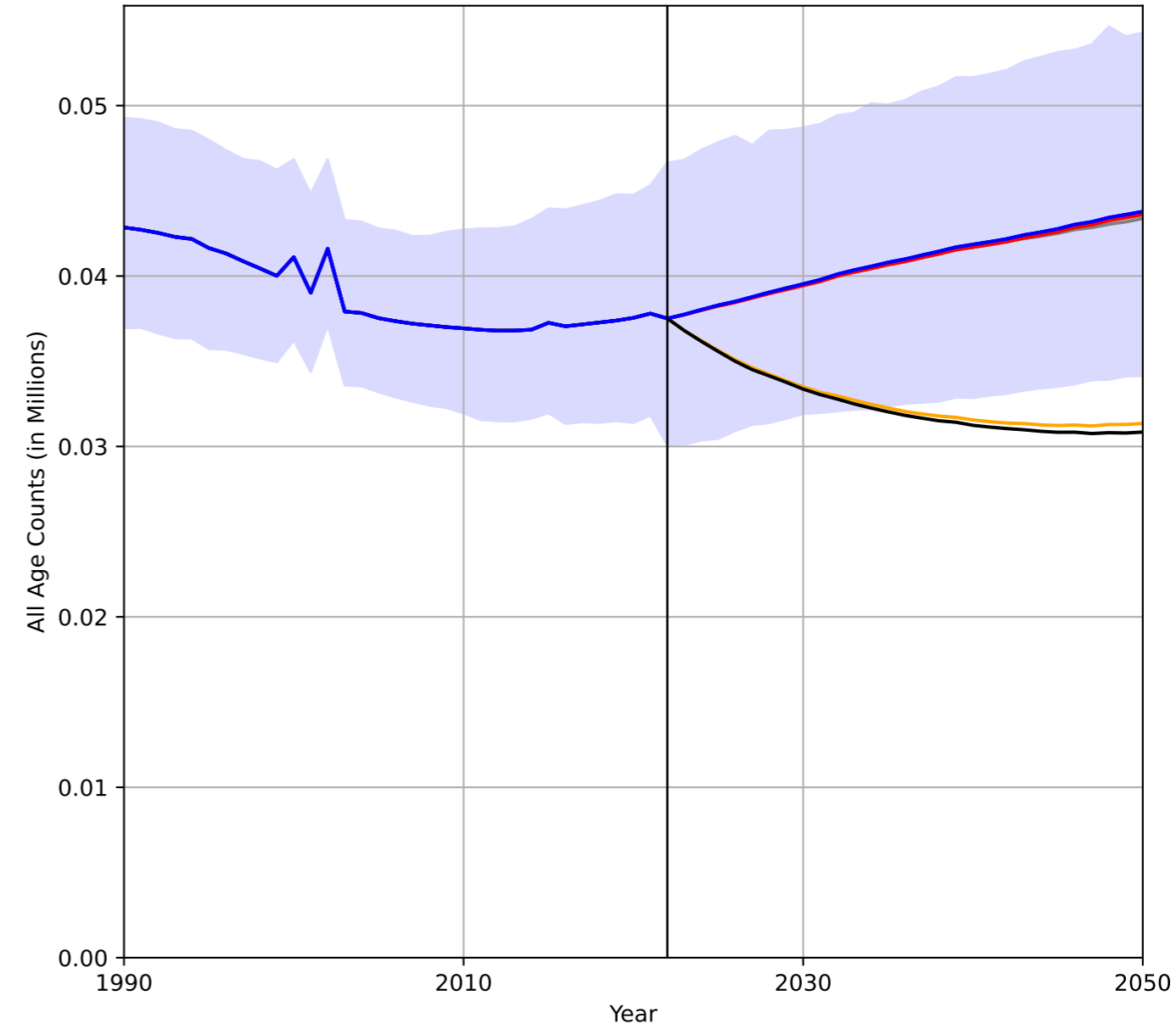
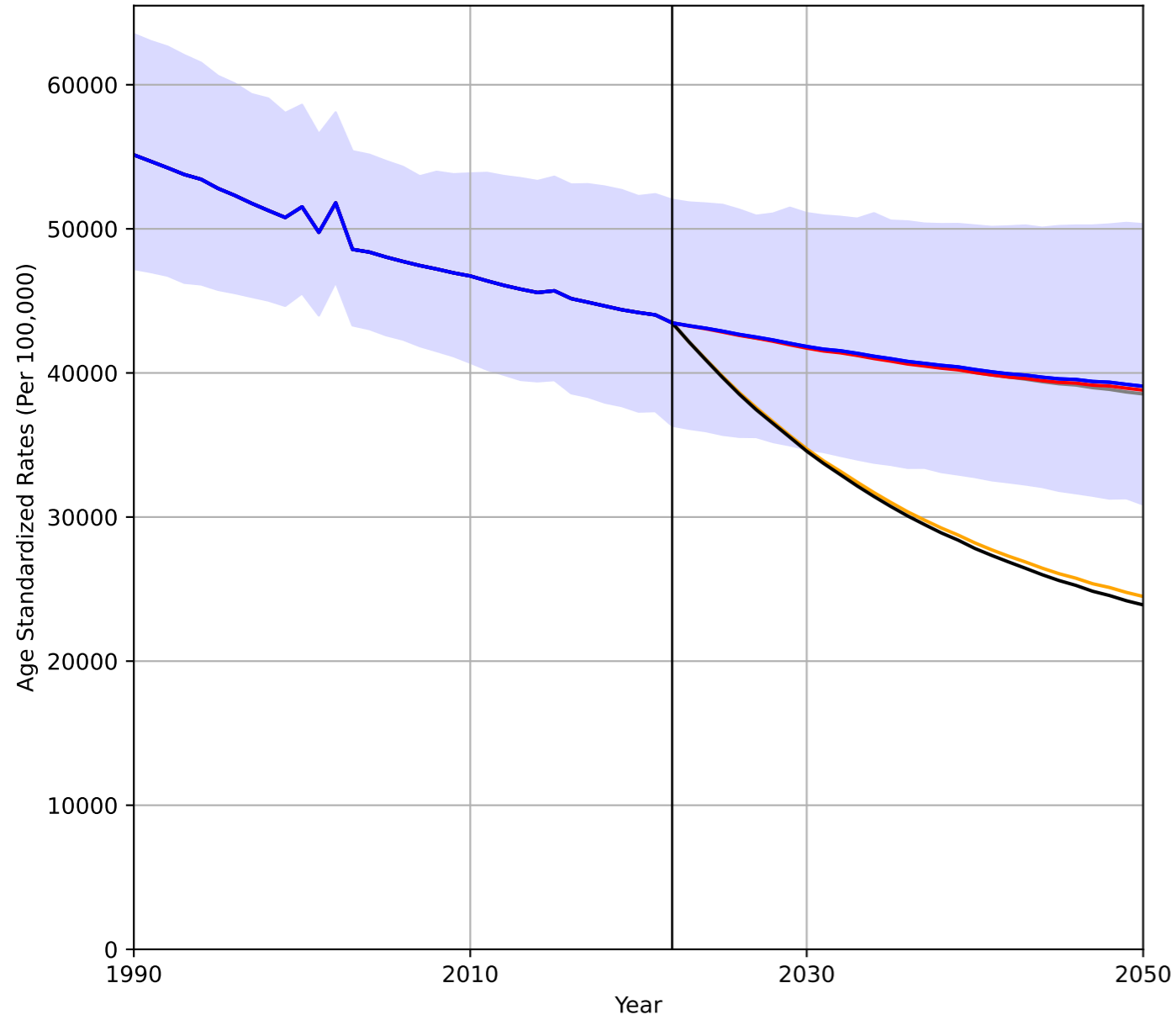




# Federated States Of Micronesia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

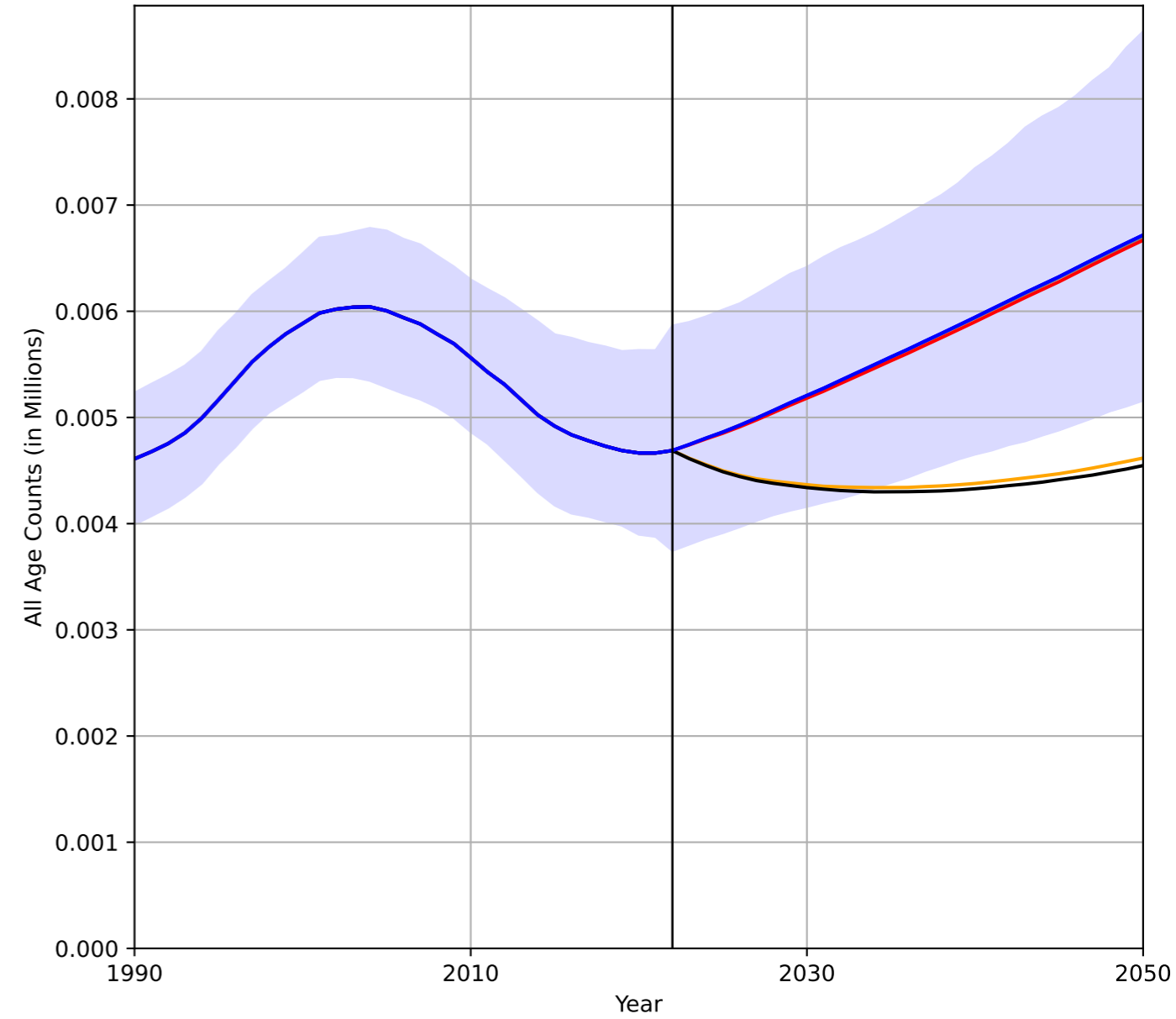
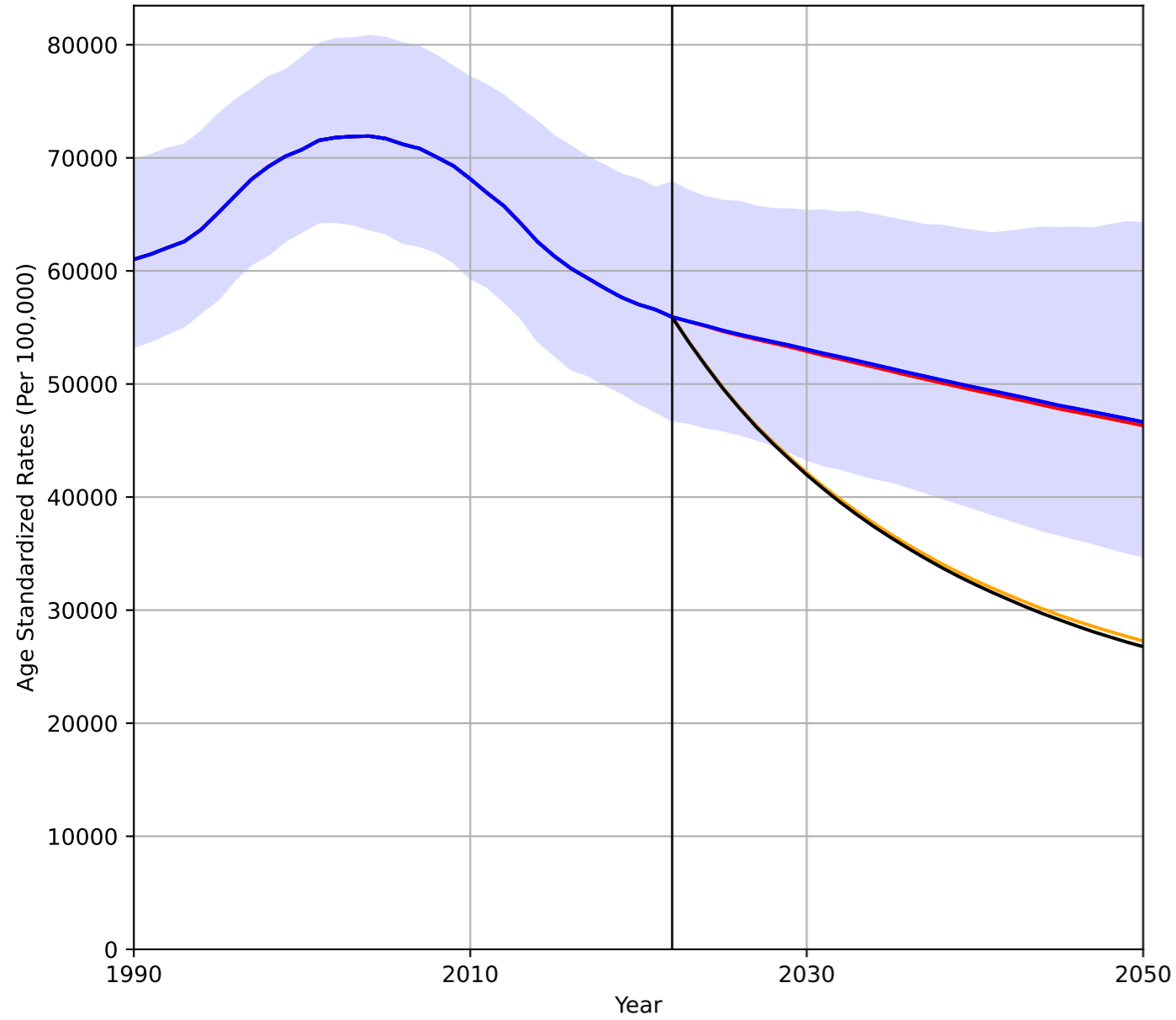
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# Nauru

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

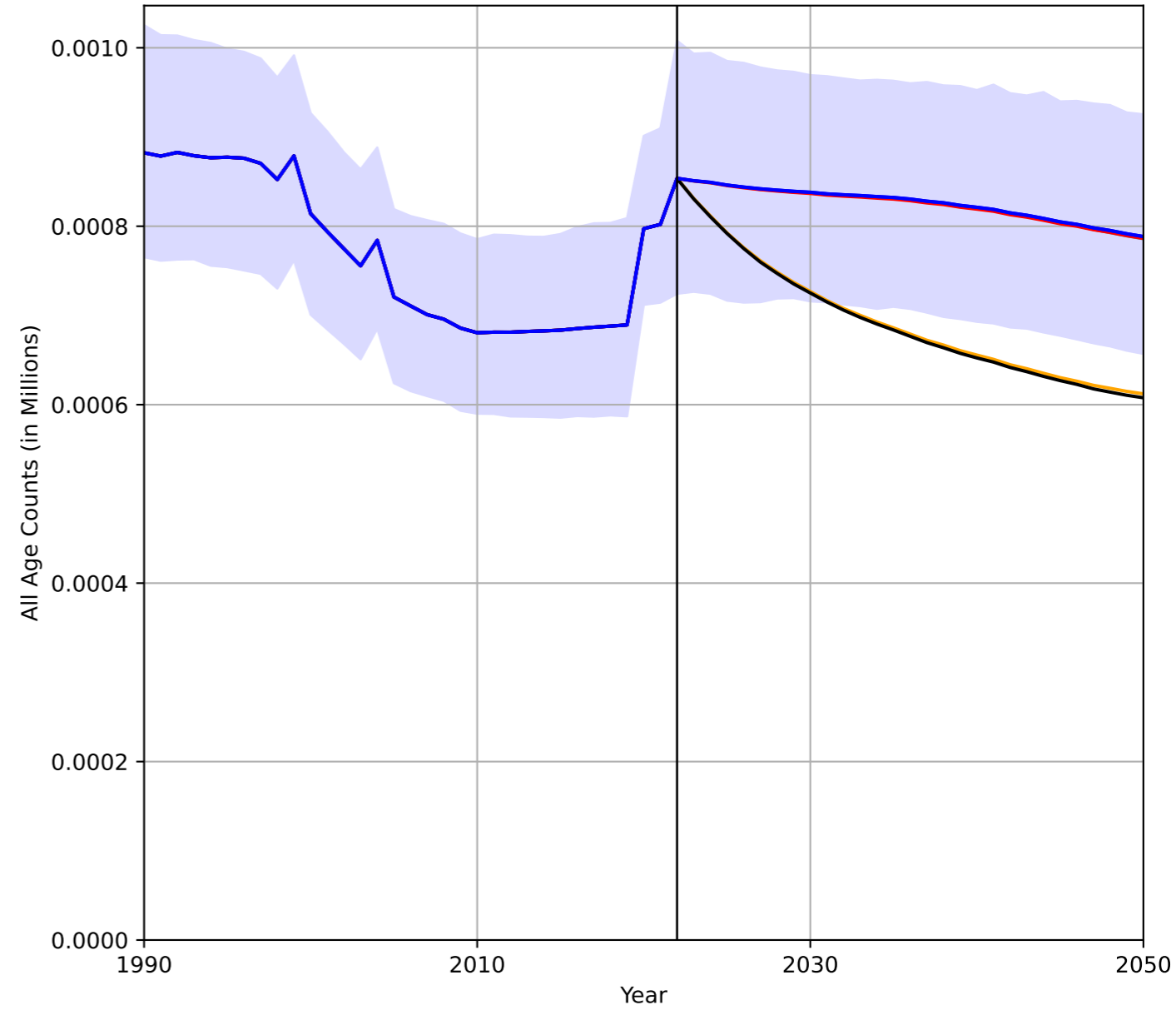
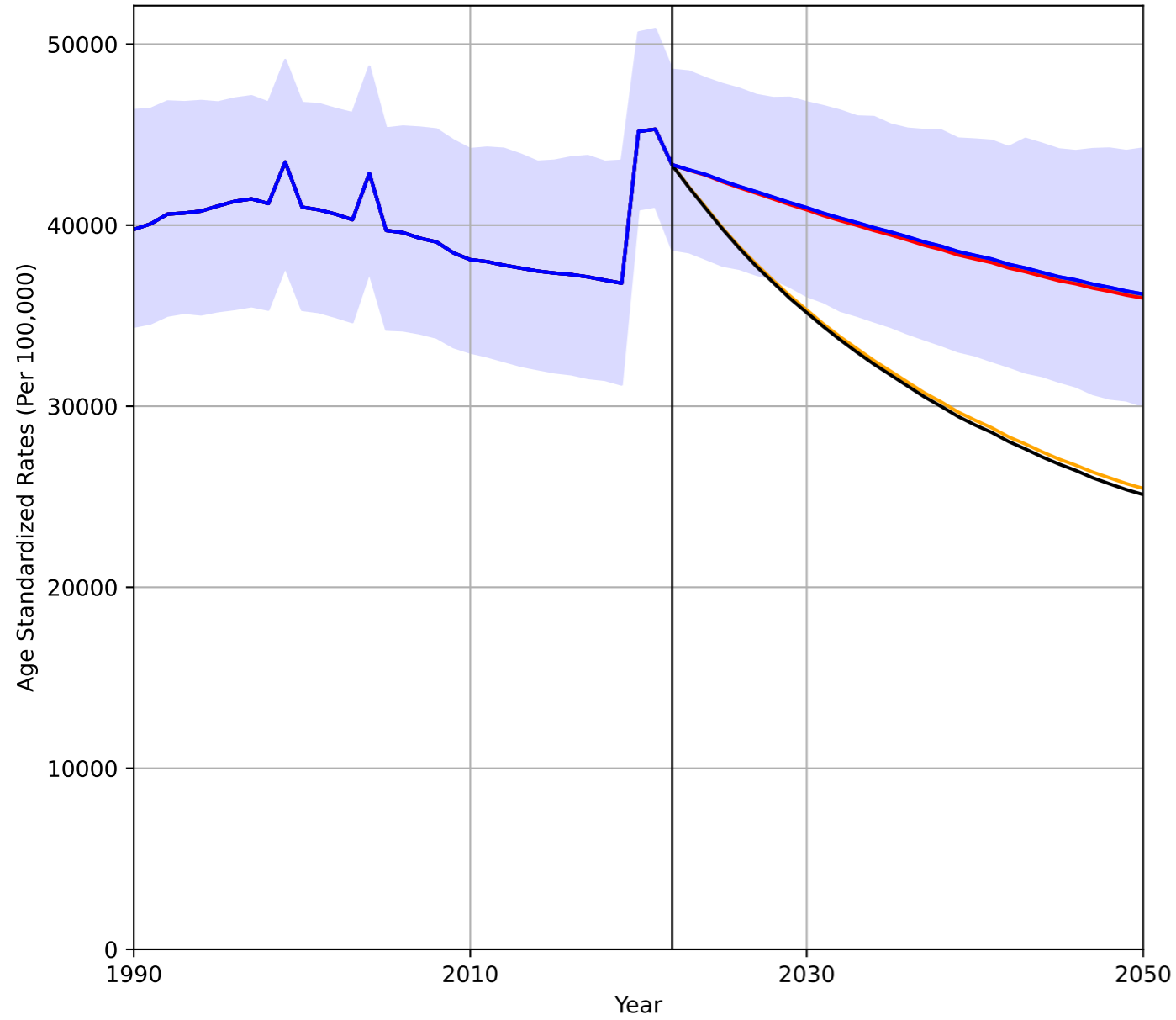
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# Niue

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

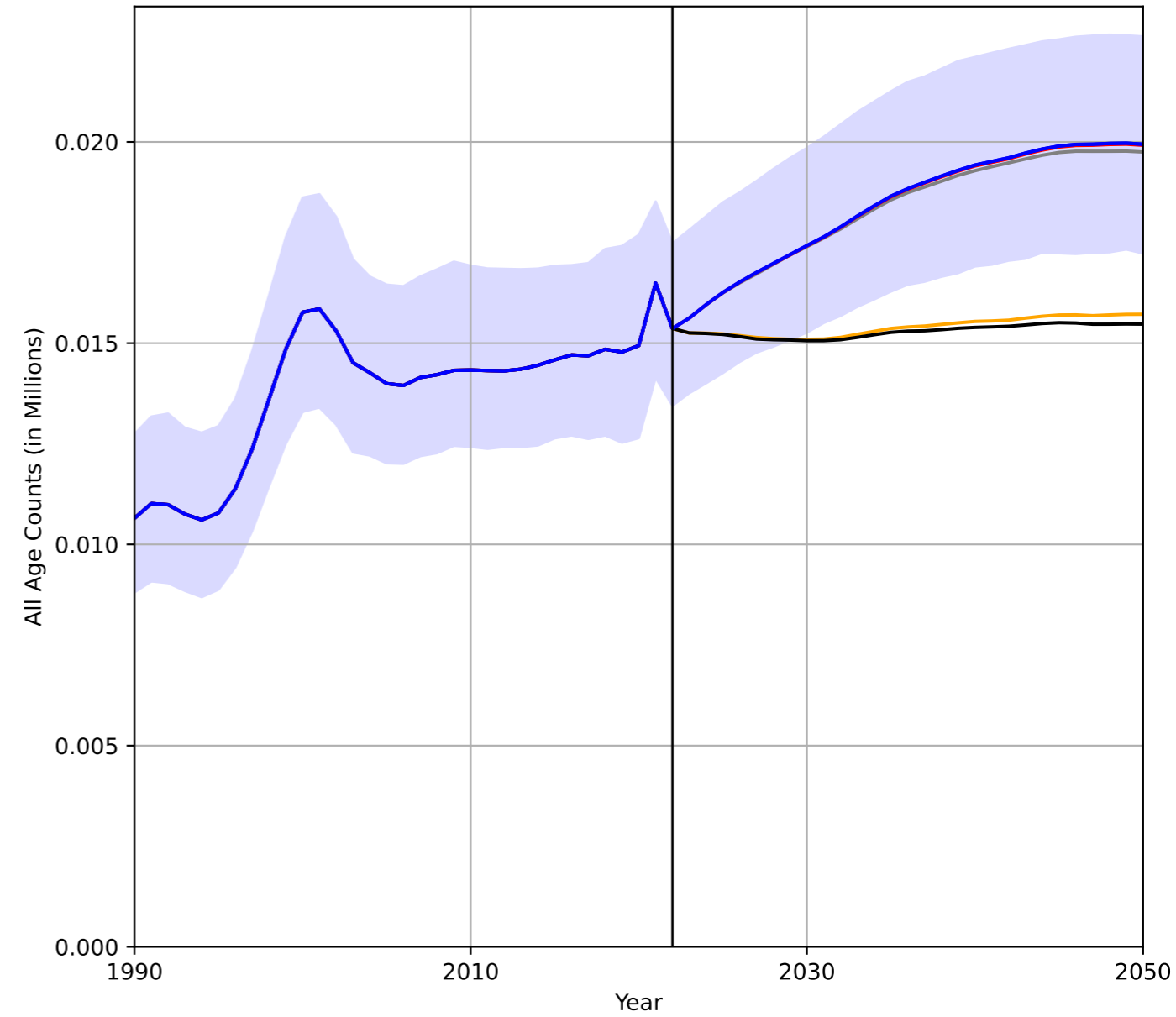
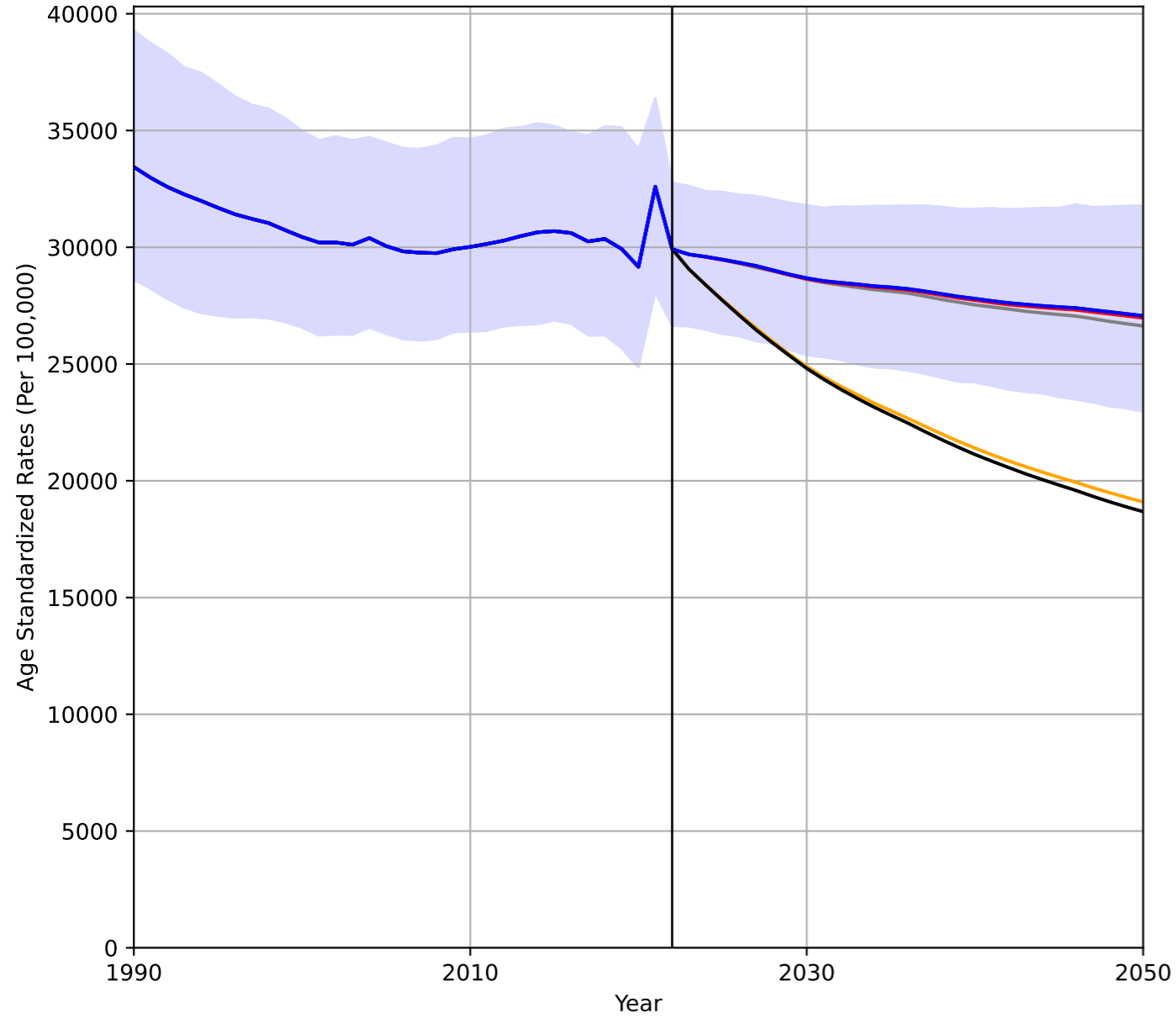
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# Northern Mariana Islands

1547

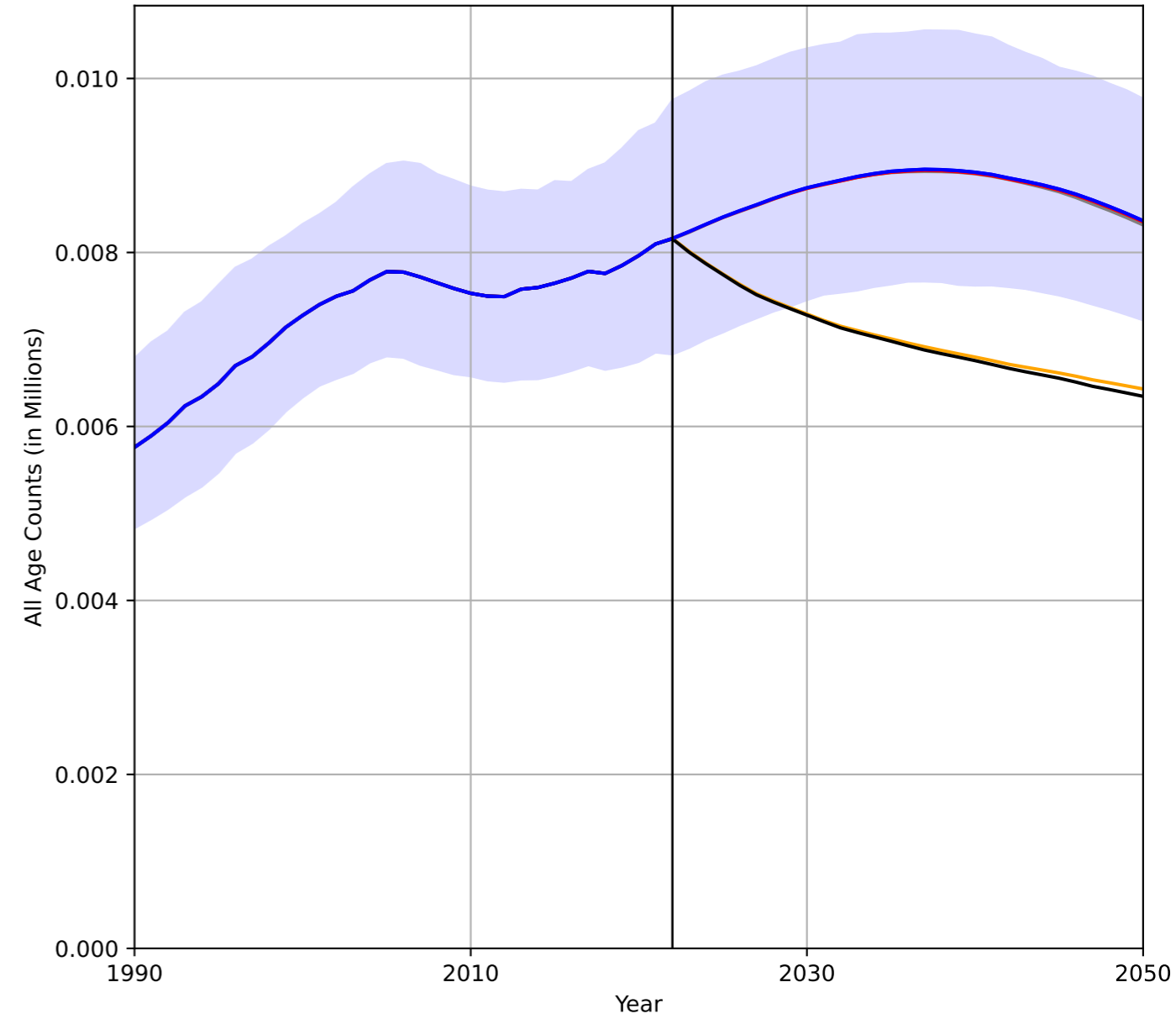
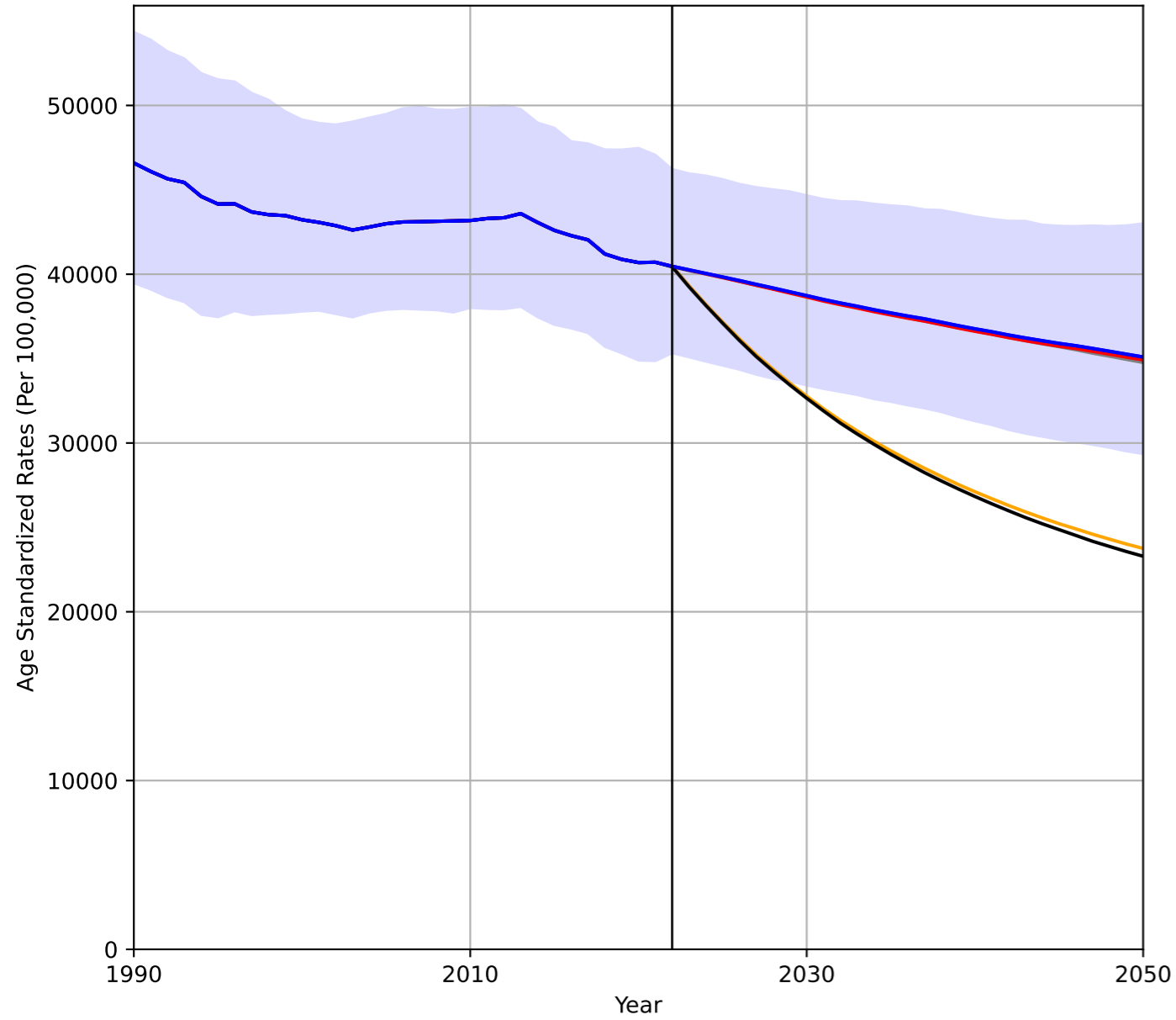
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Palau

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

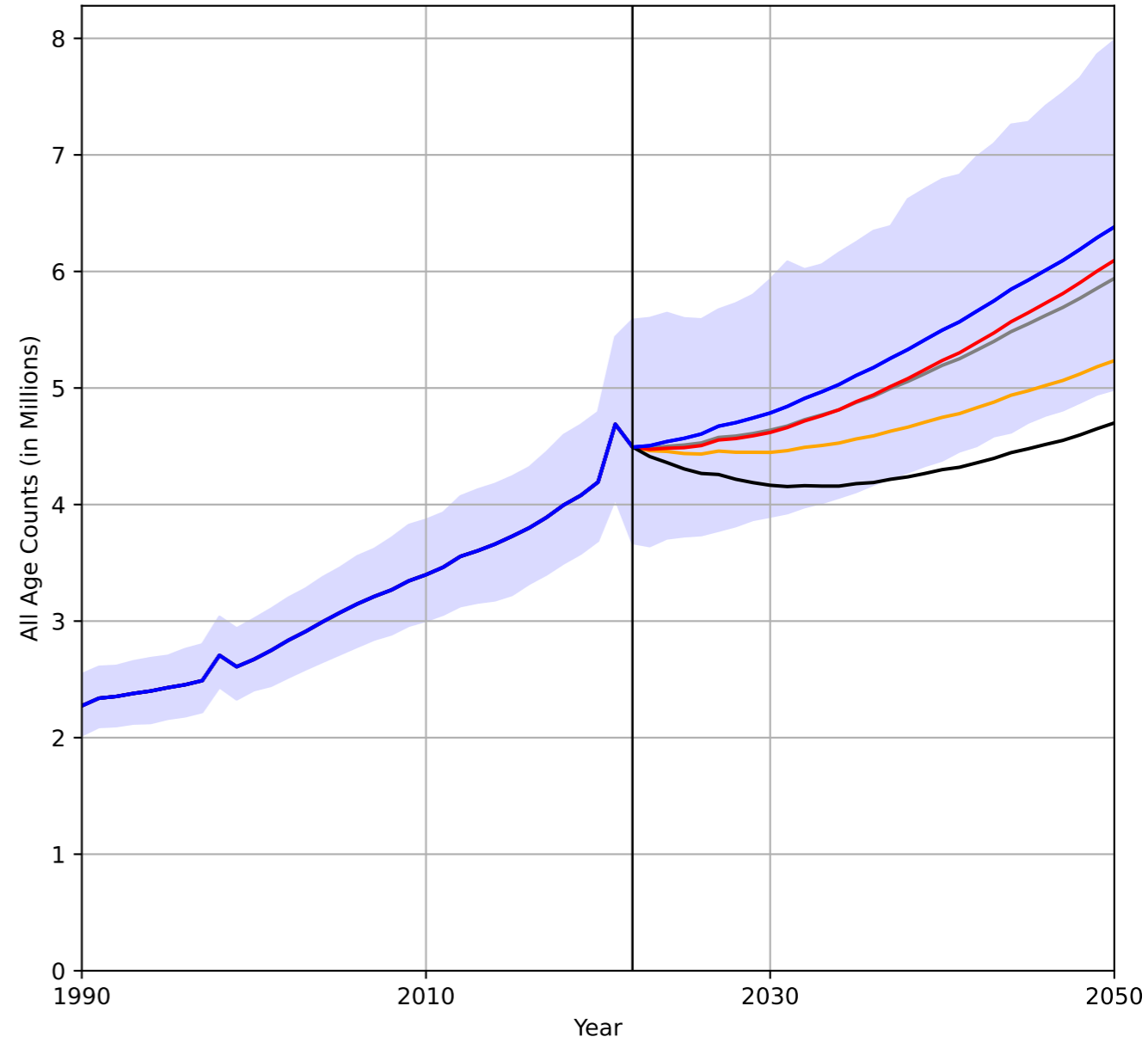
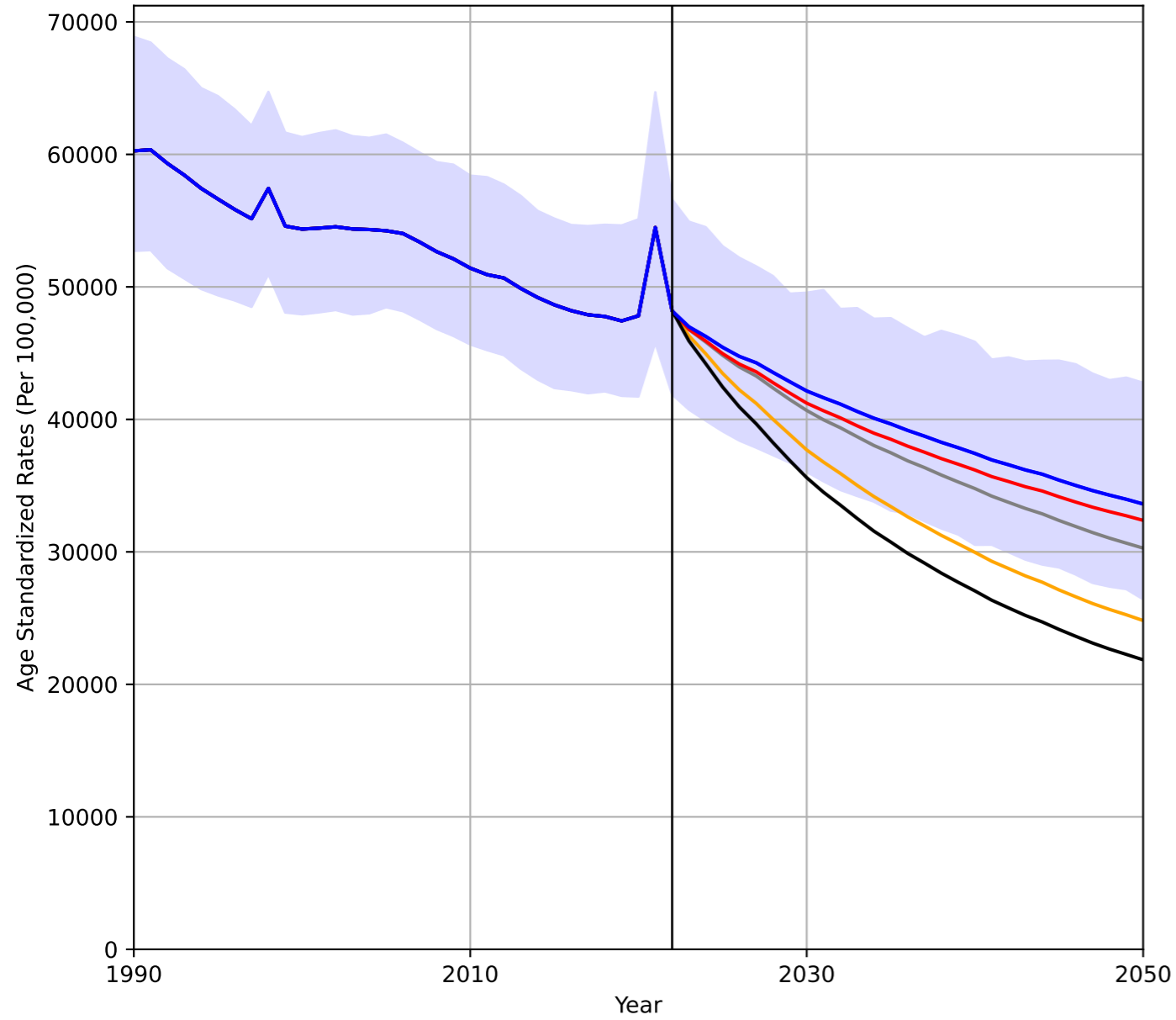
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# Papua New Guinea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

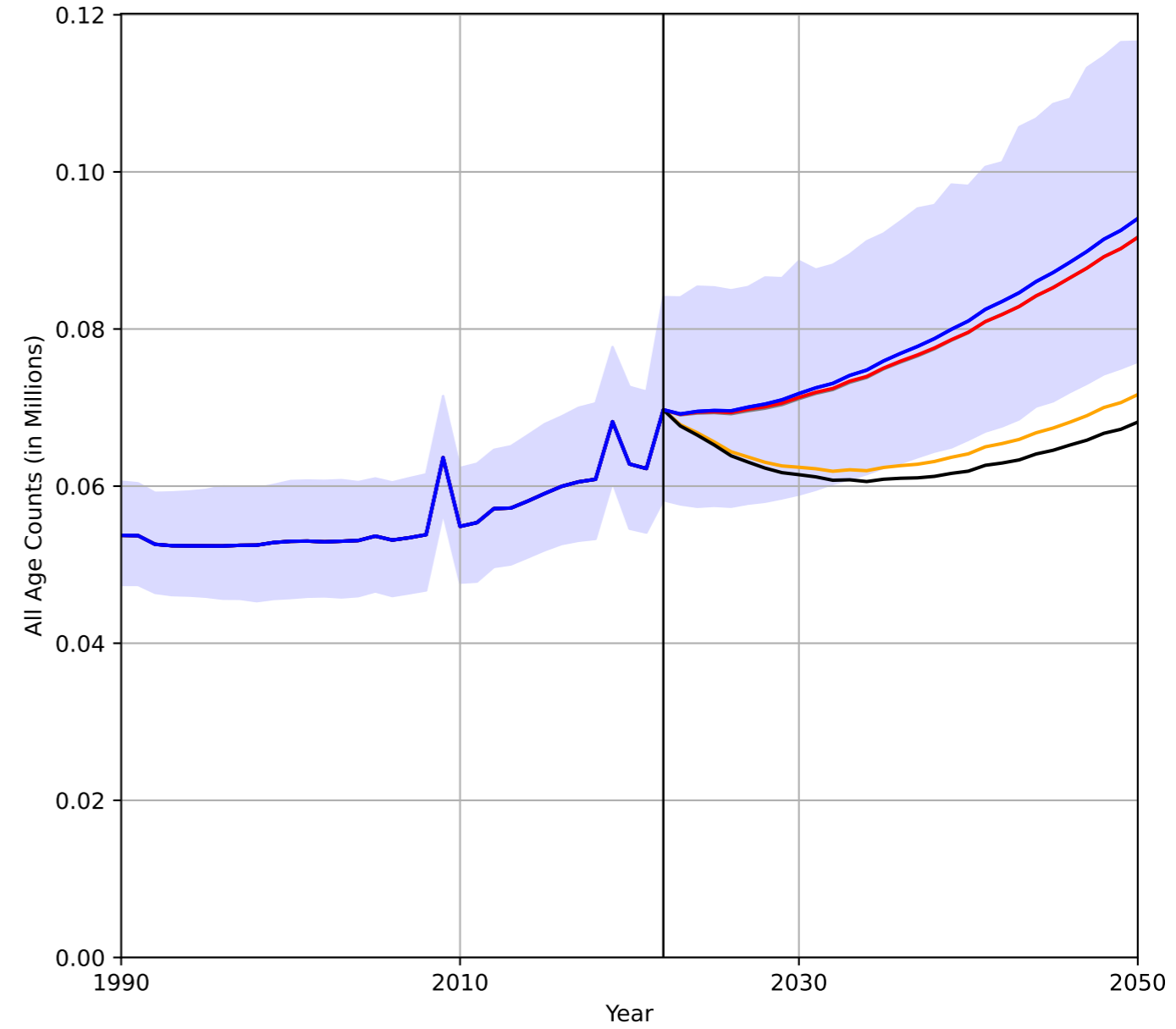
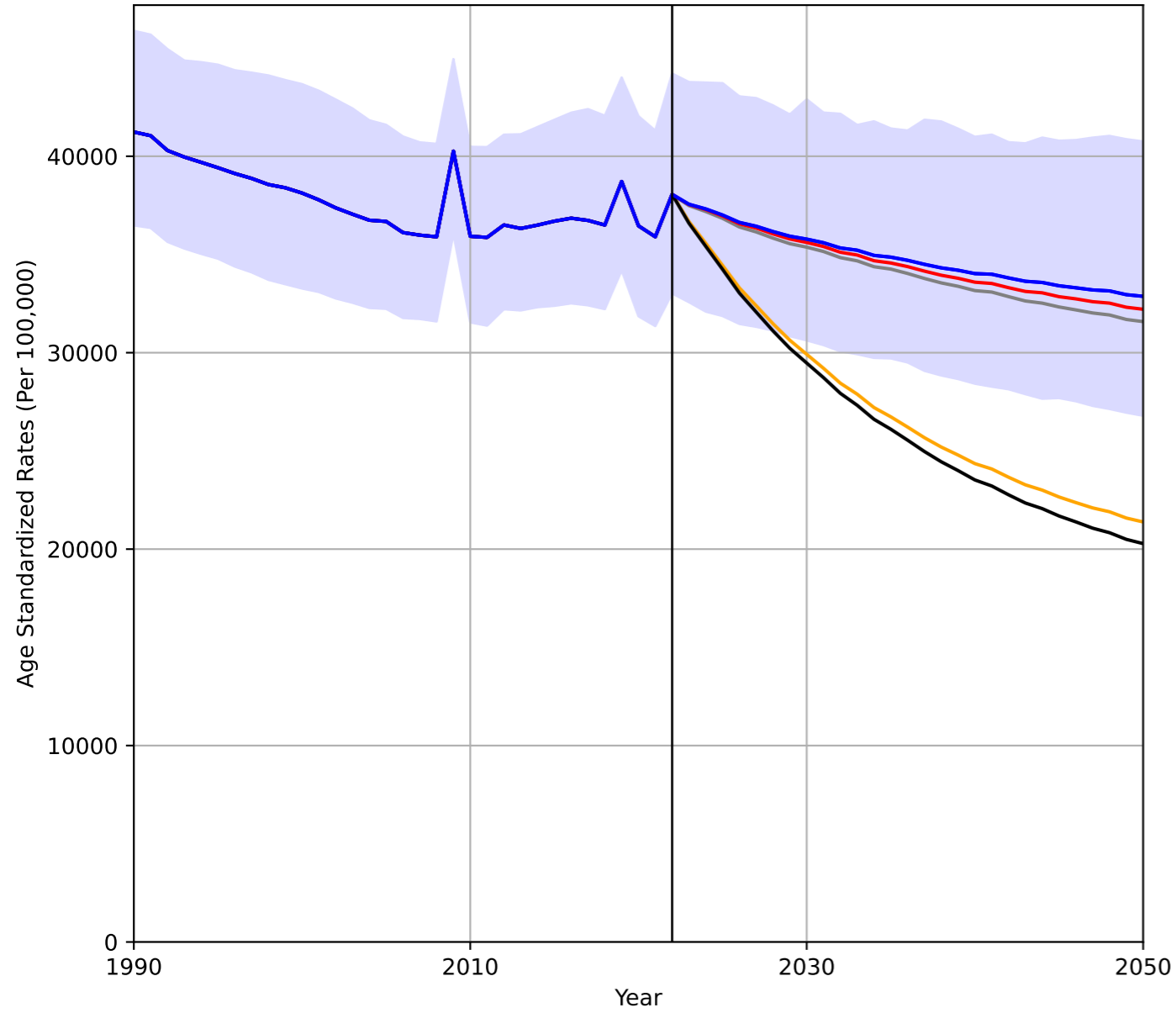
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# Samoa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

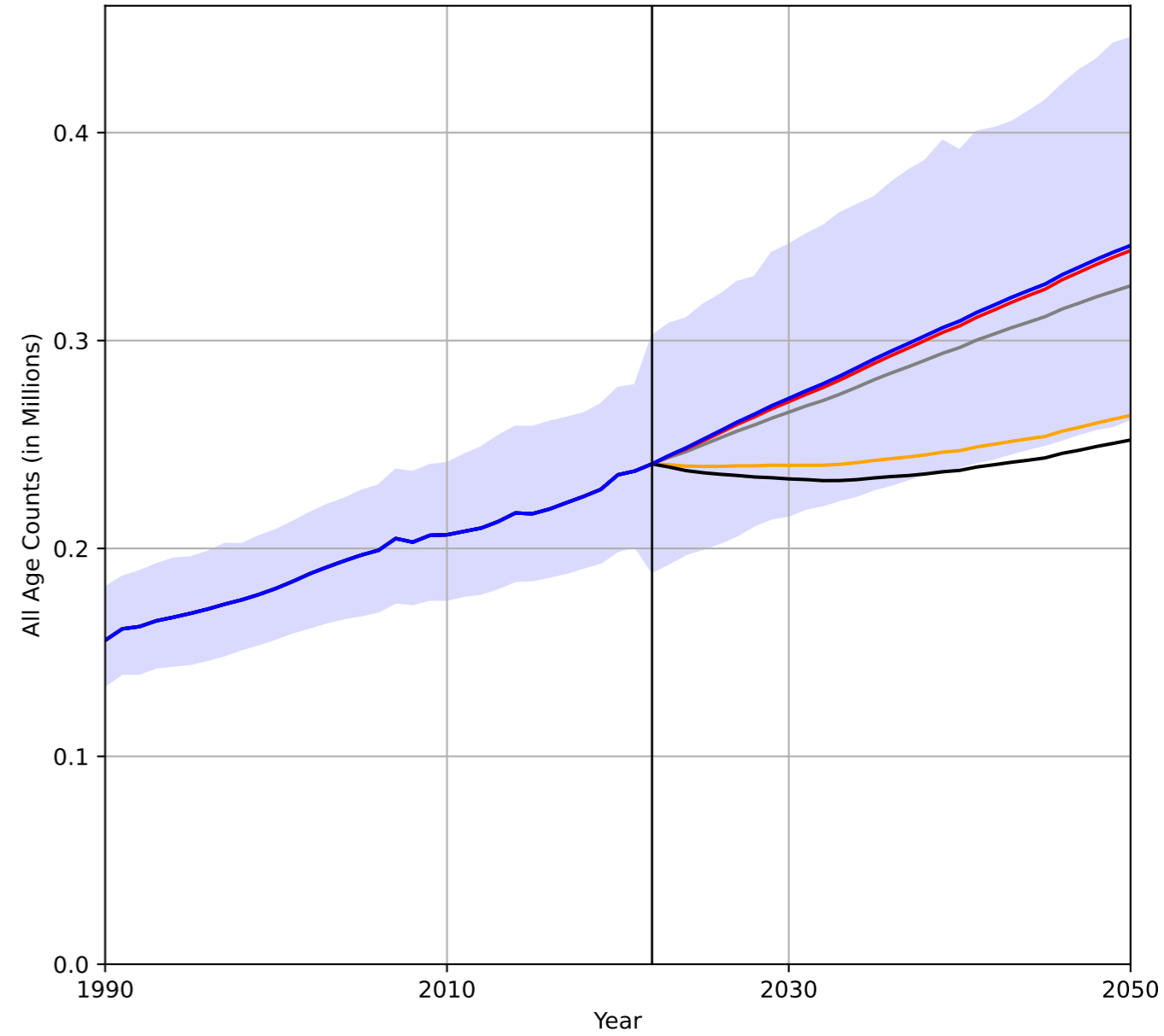
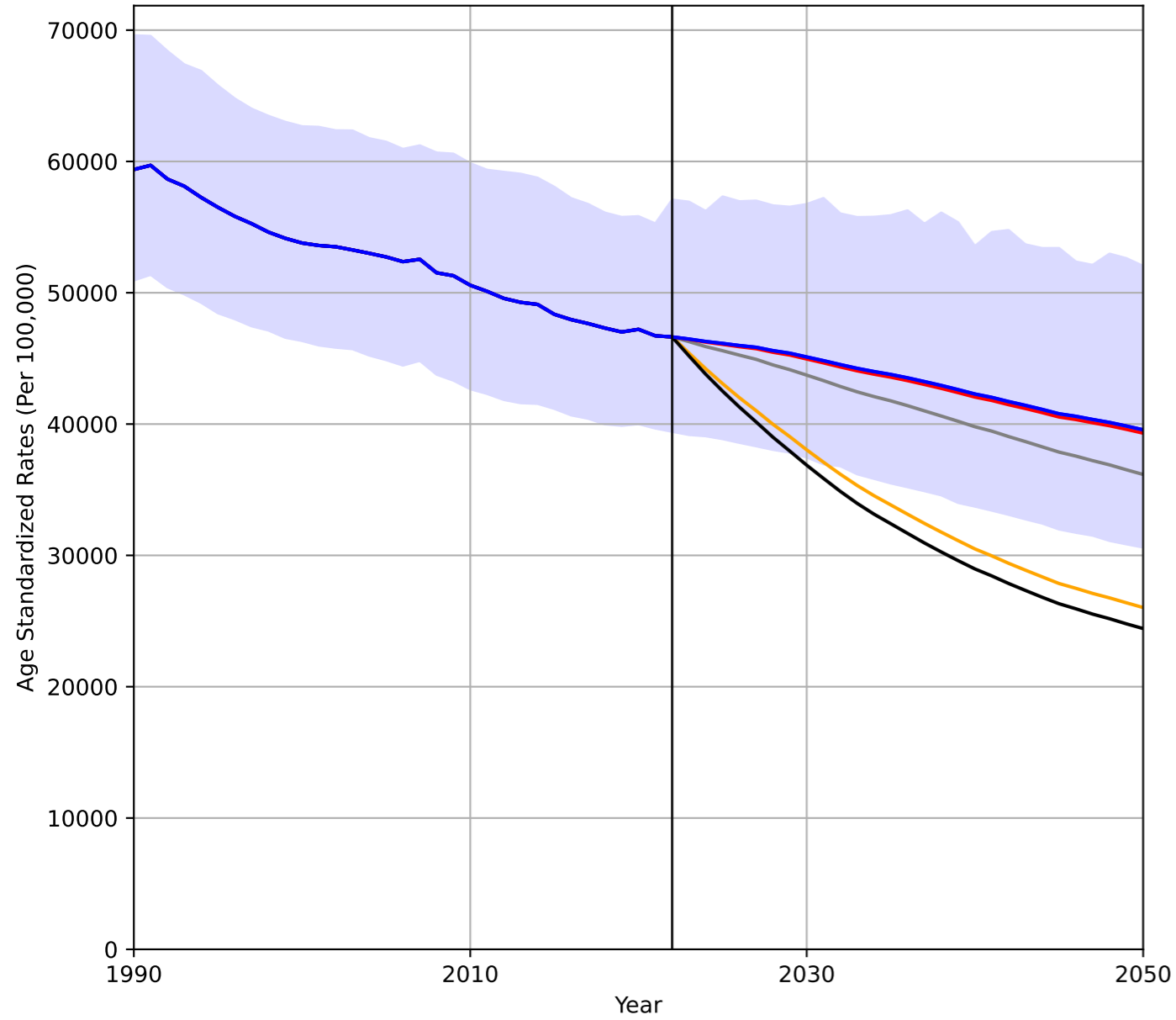
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# Solomon Islands

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1551

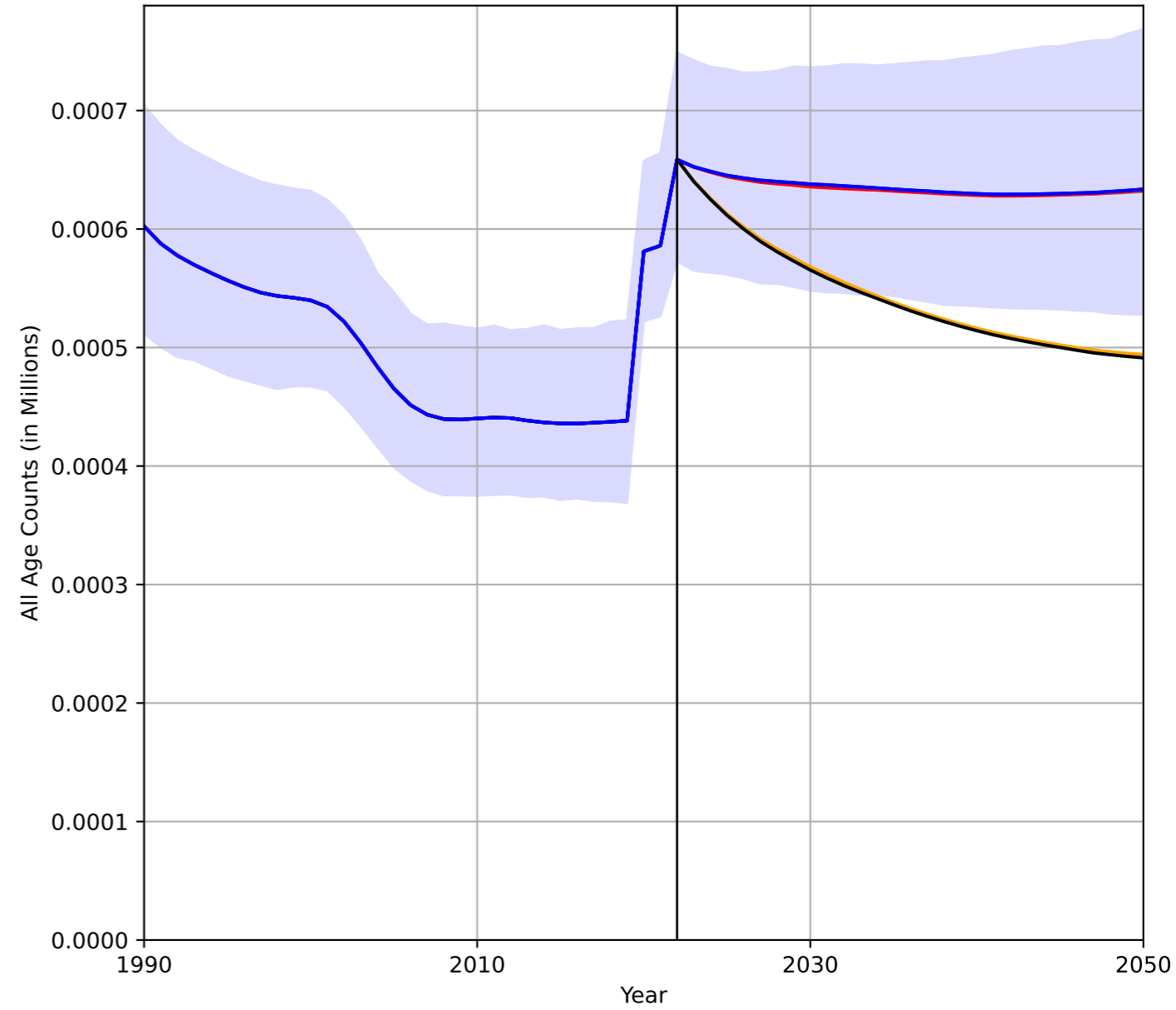
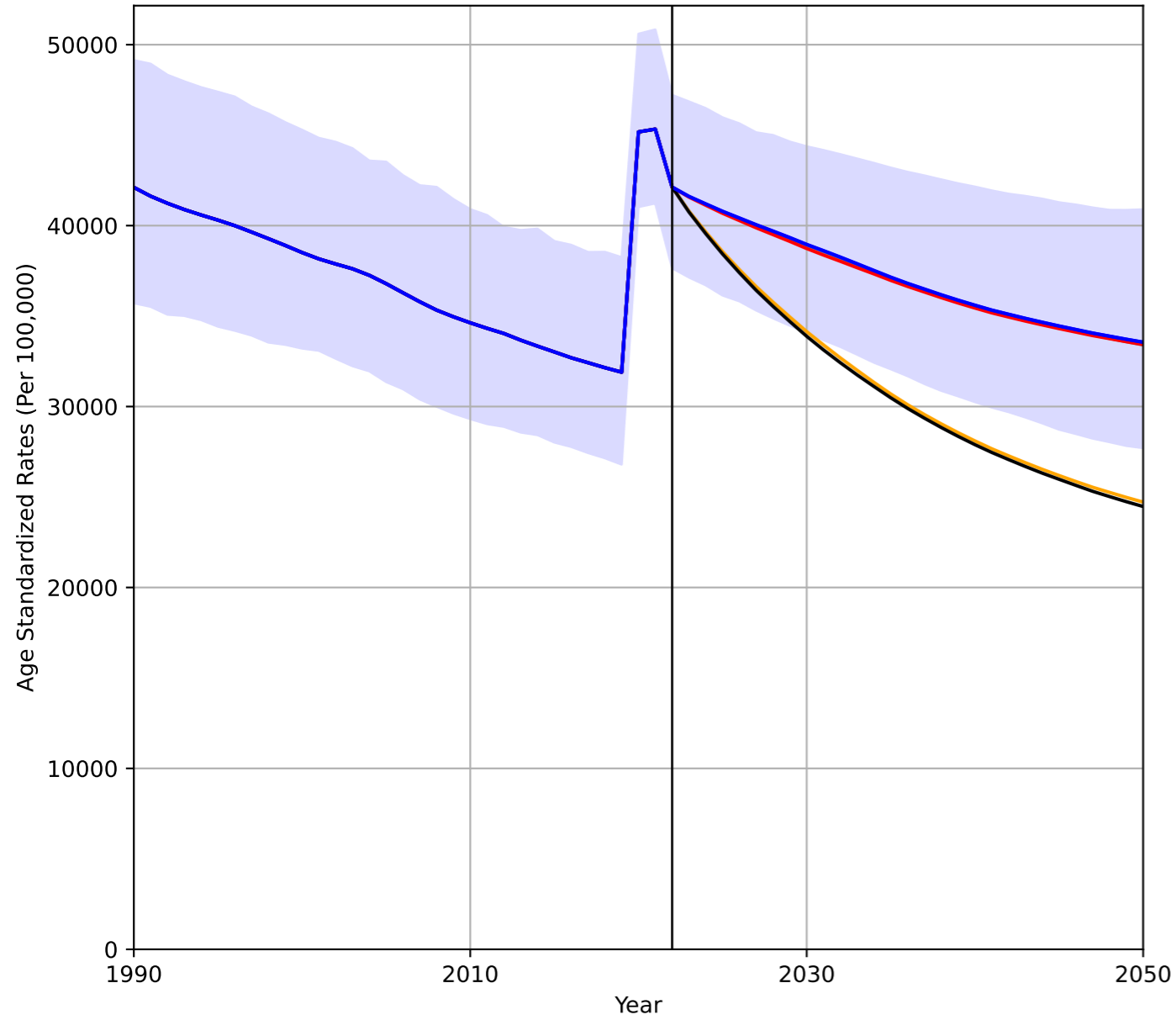




# Tokelau

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

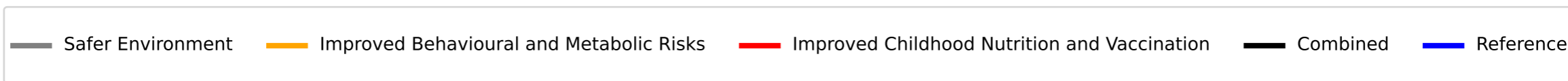
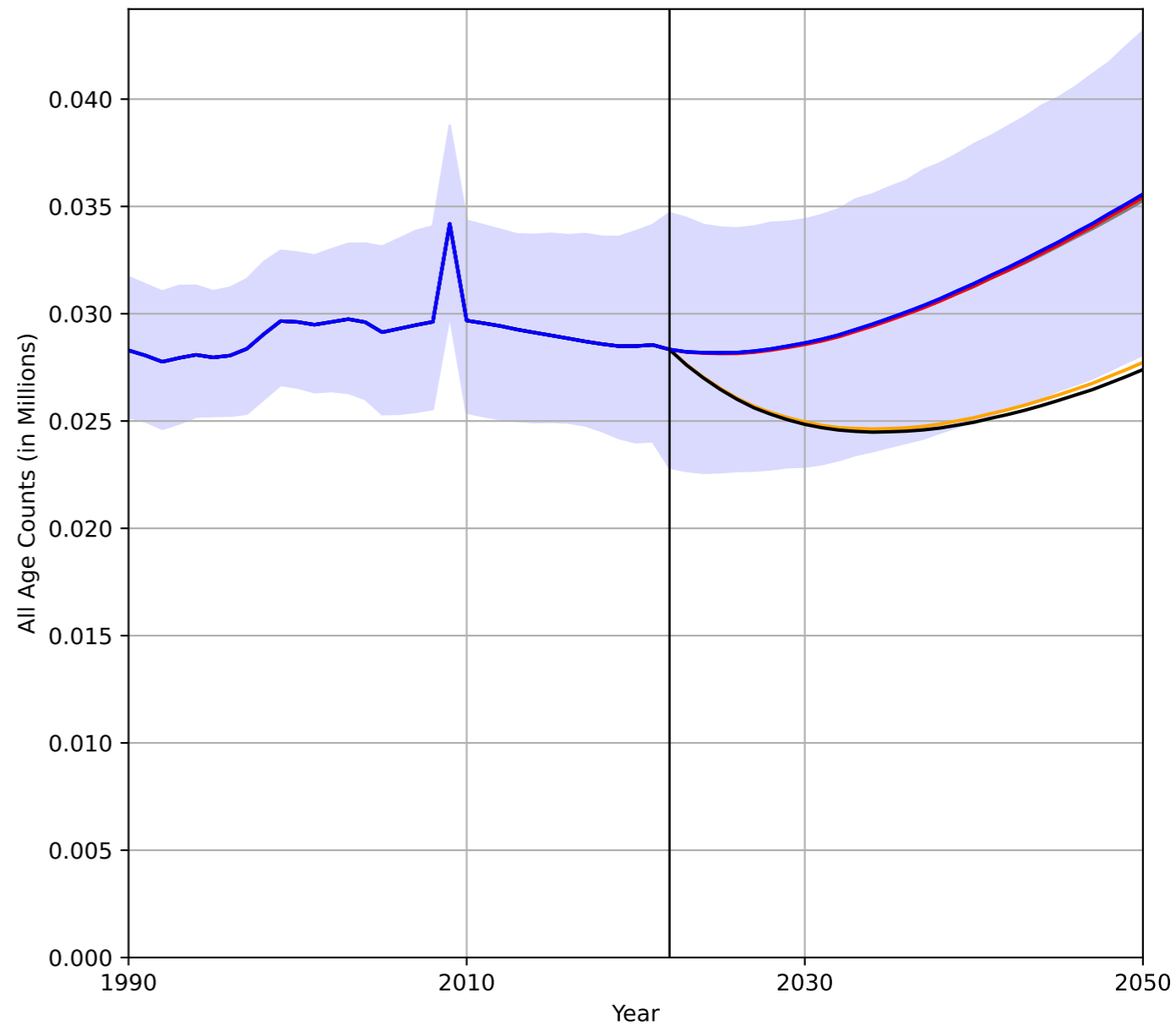
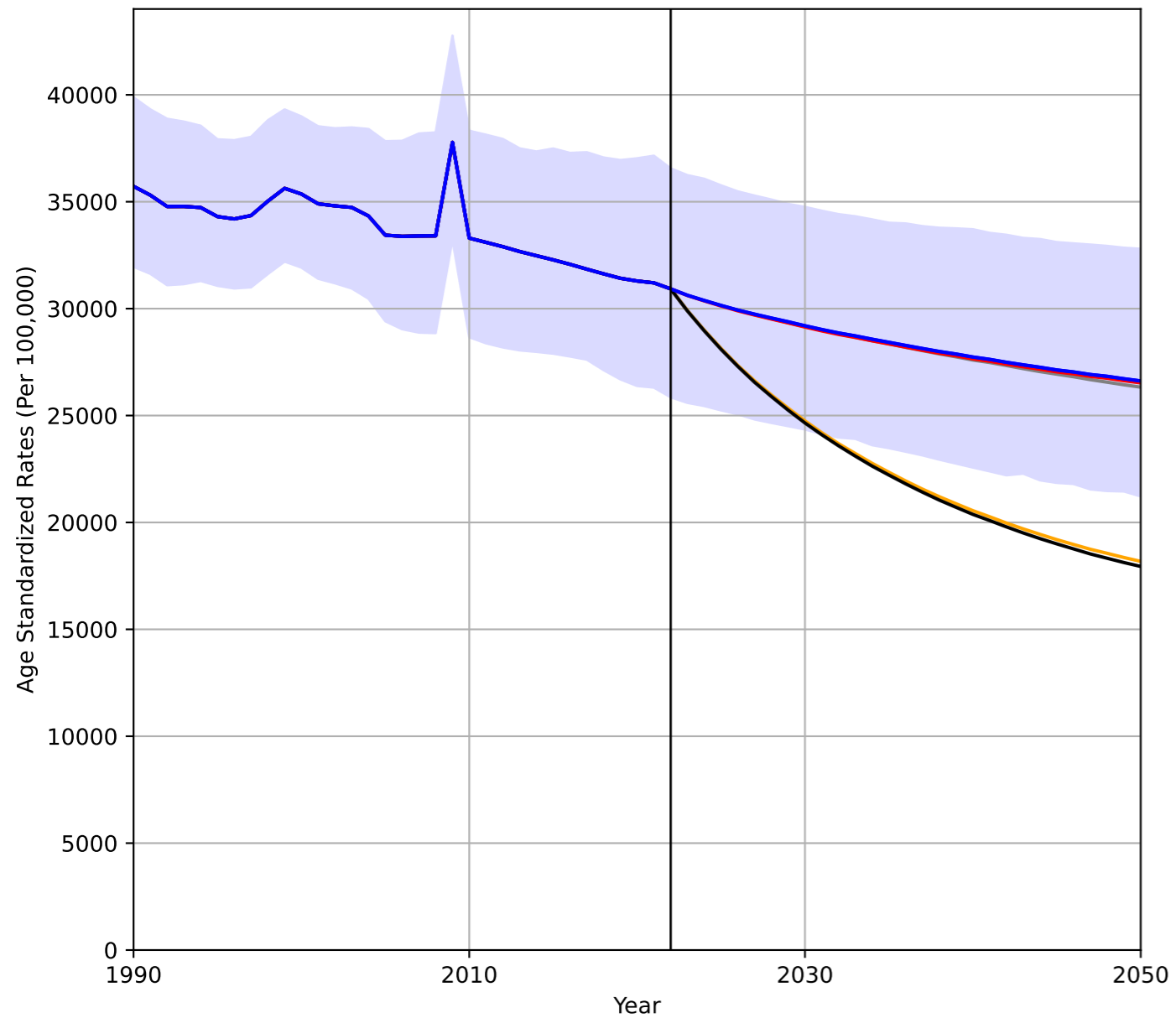
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# Tonga

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

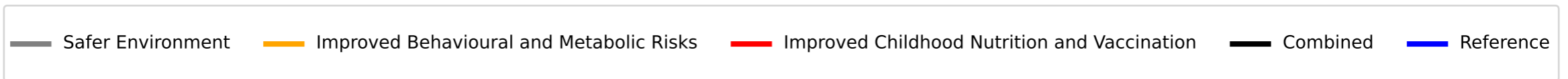
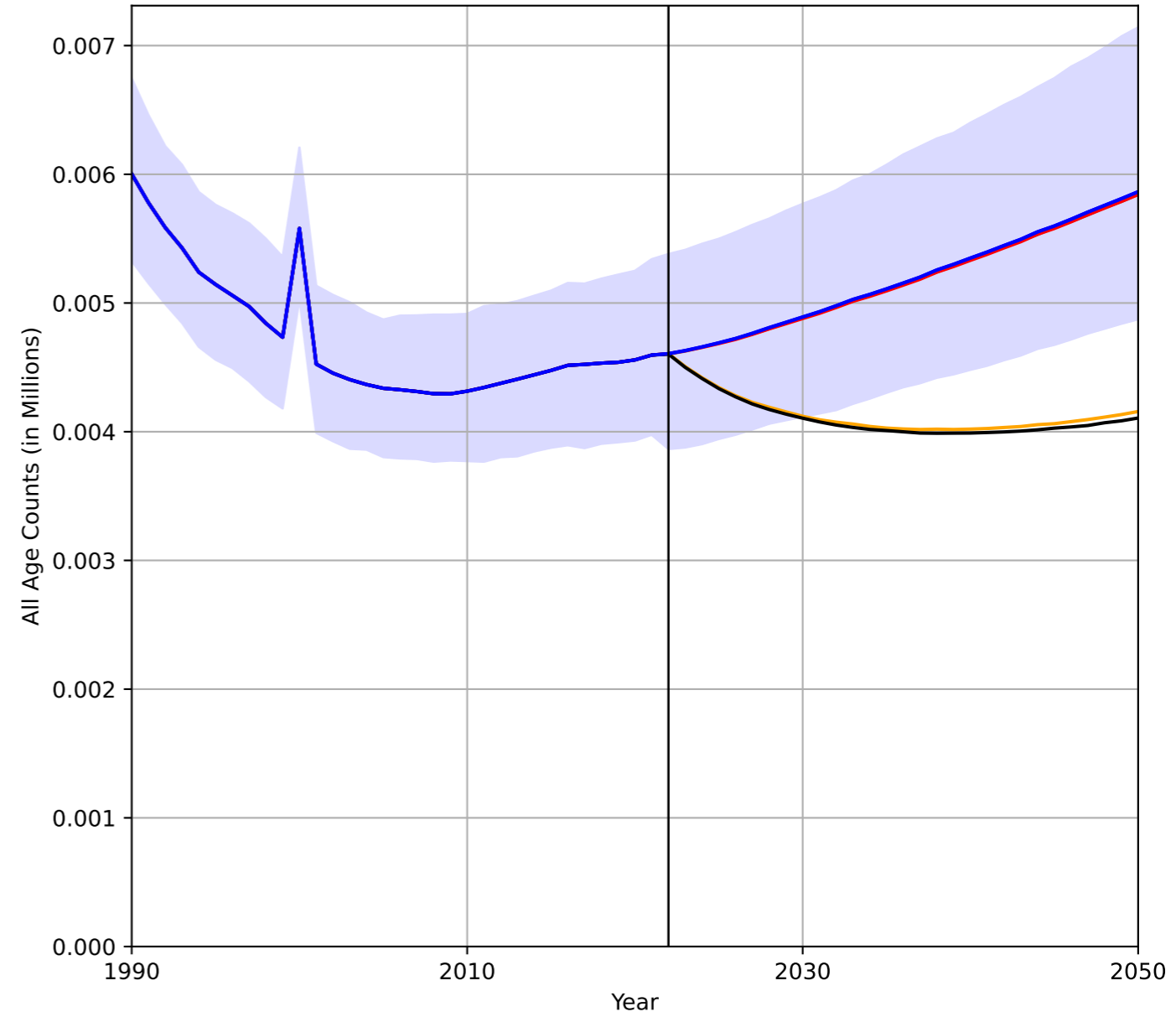
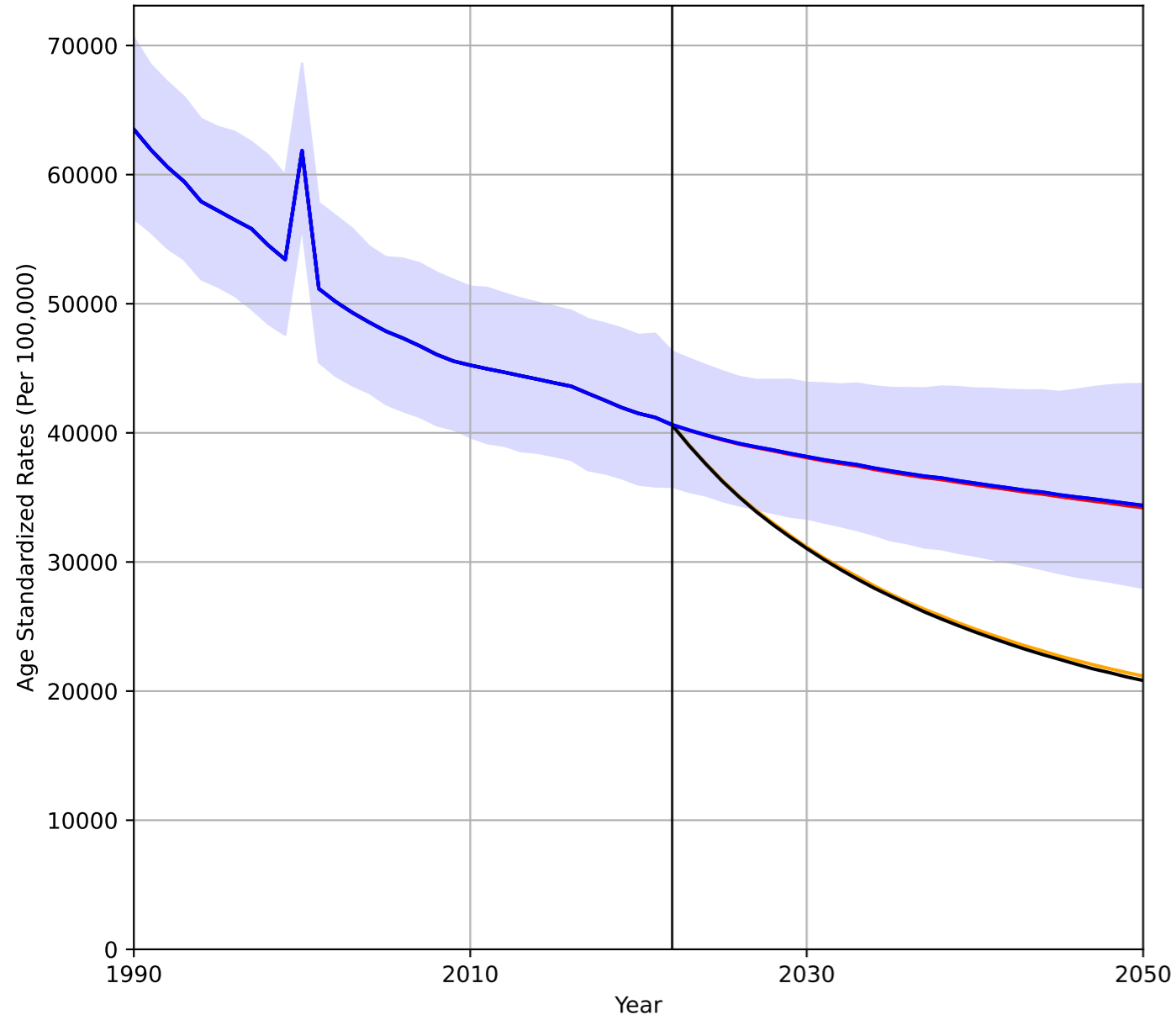
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# Tuvalu

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

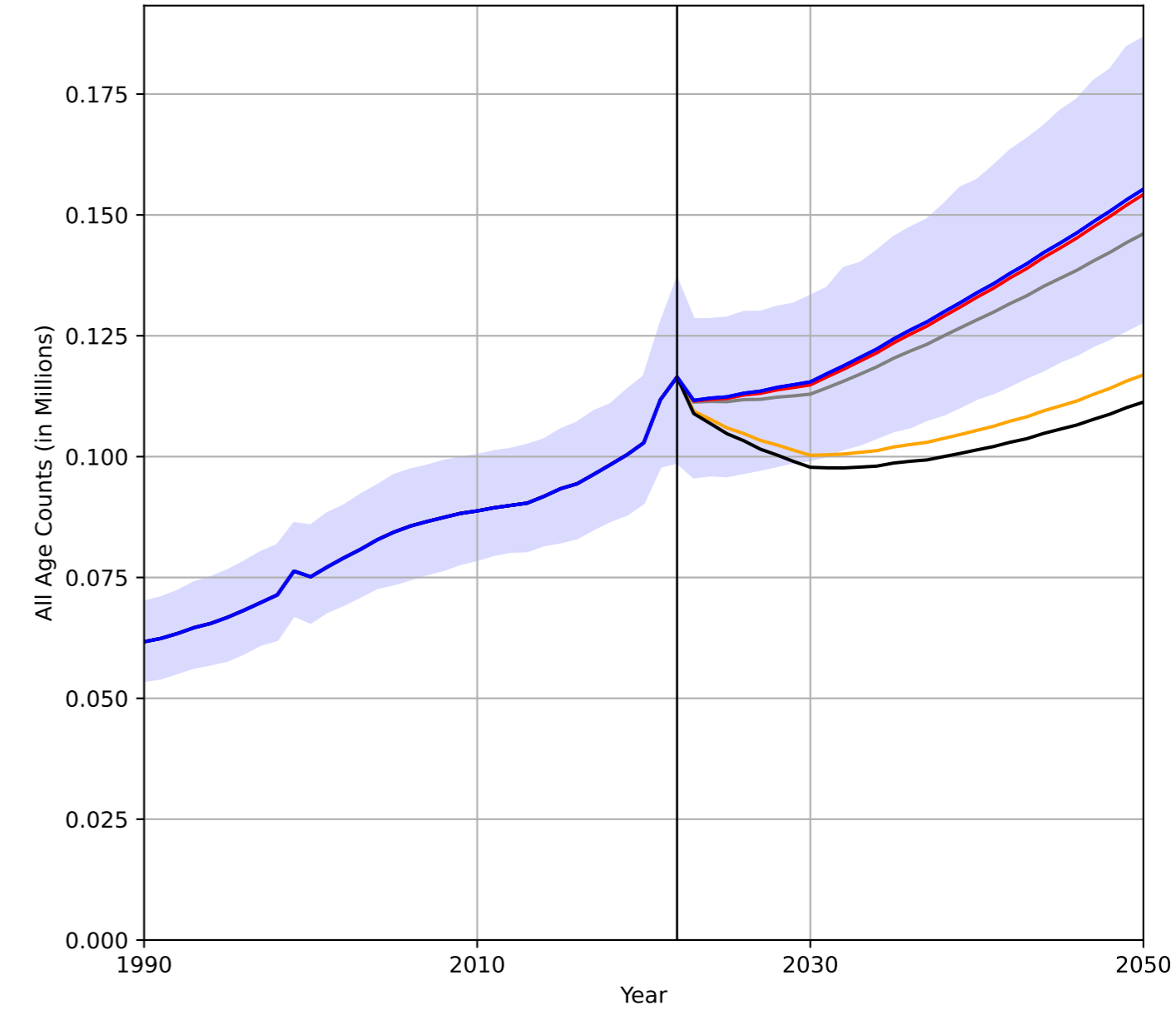
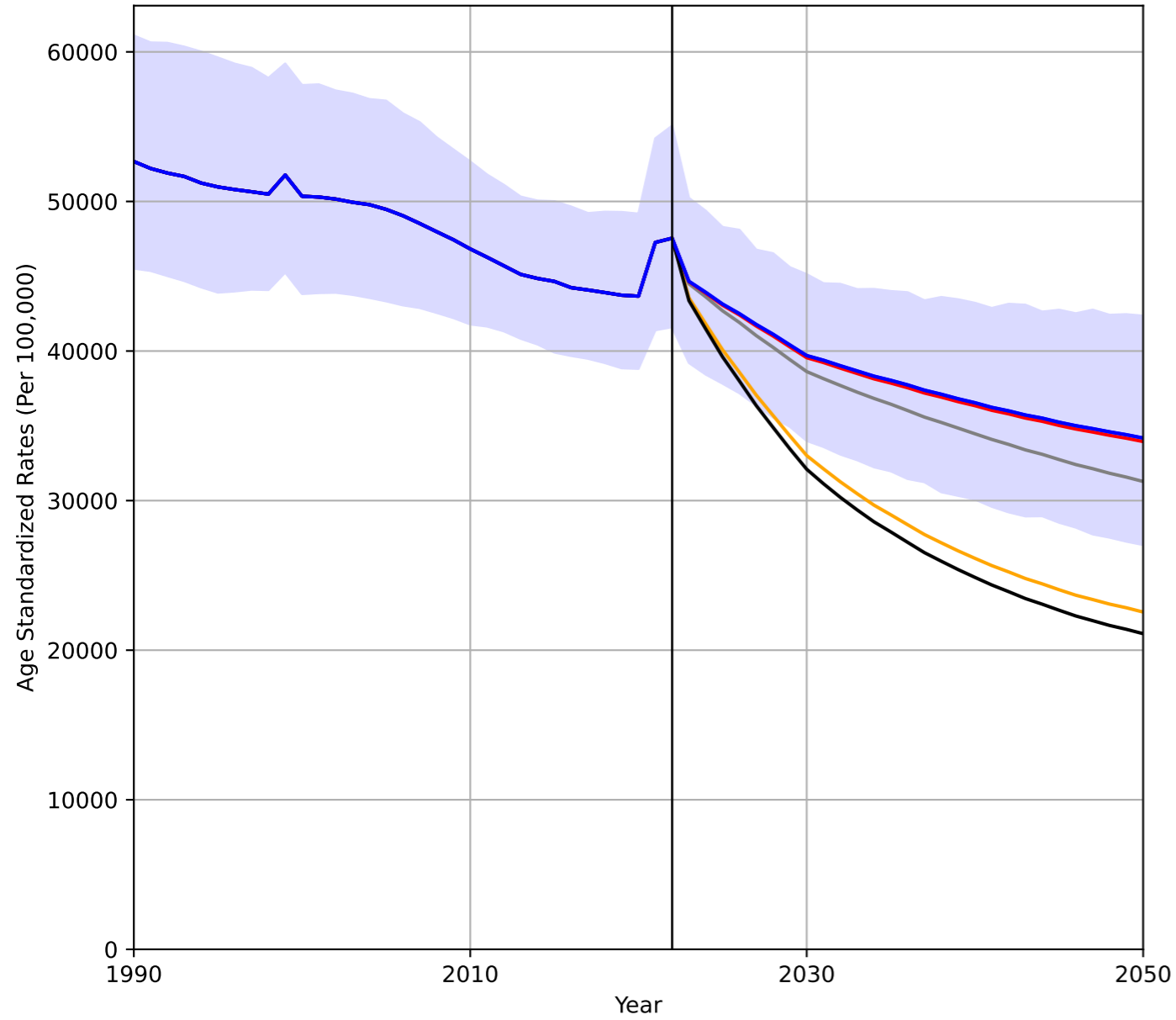
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# Vanuatu

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

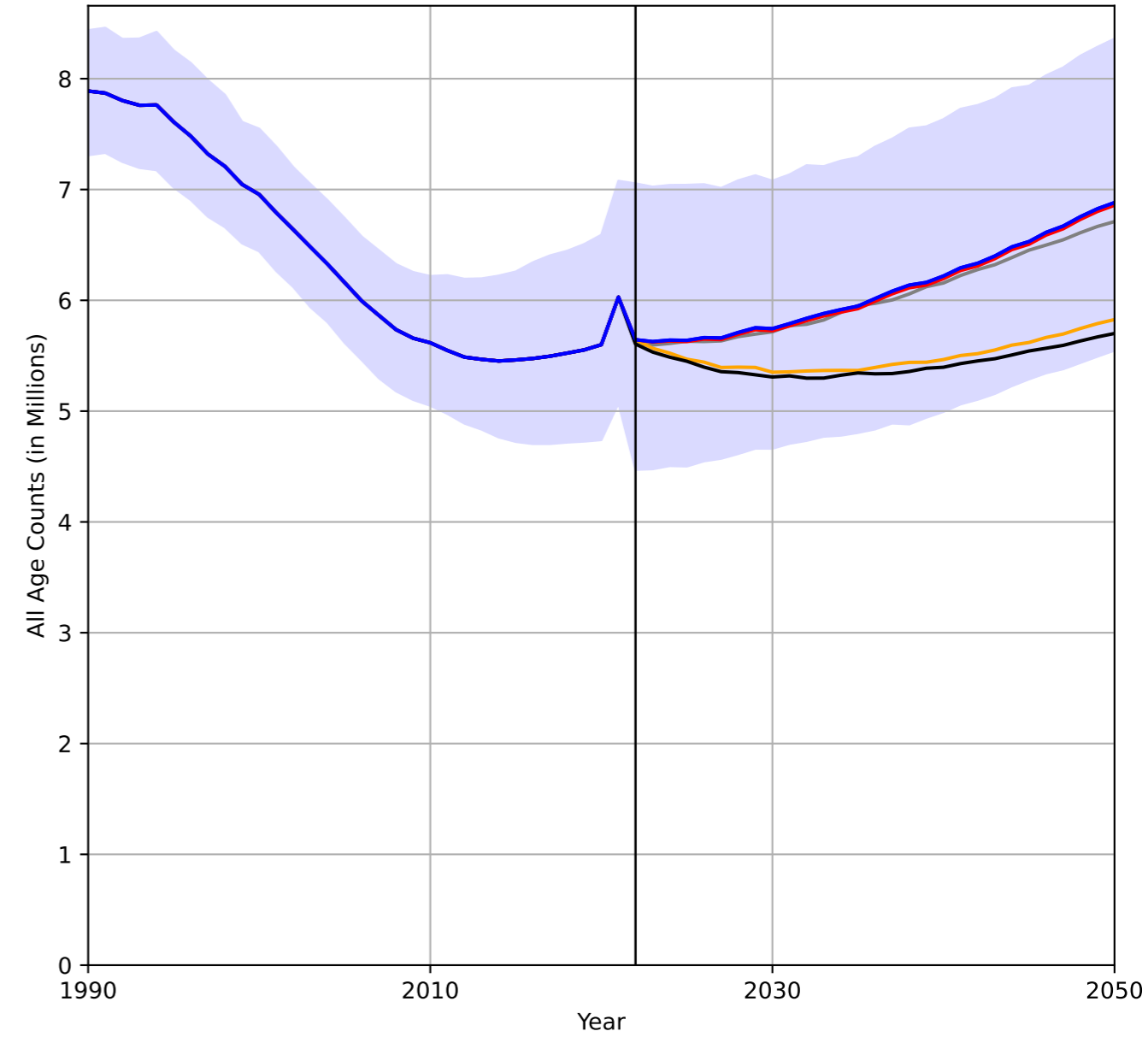
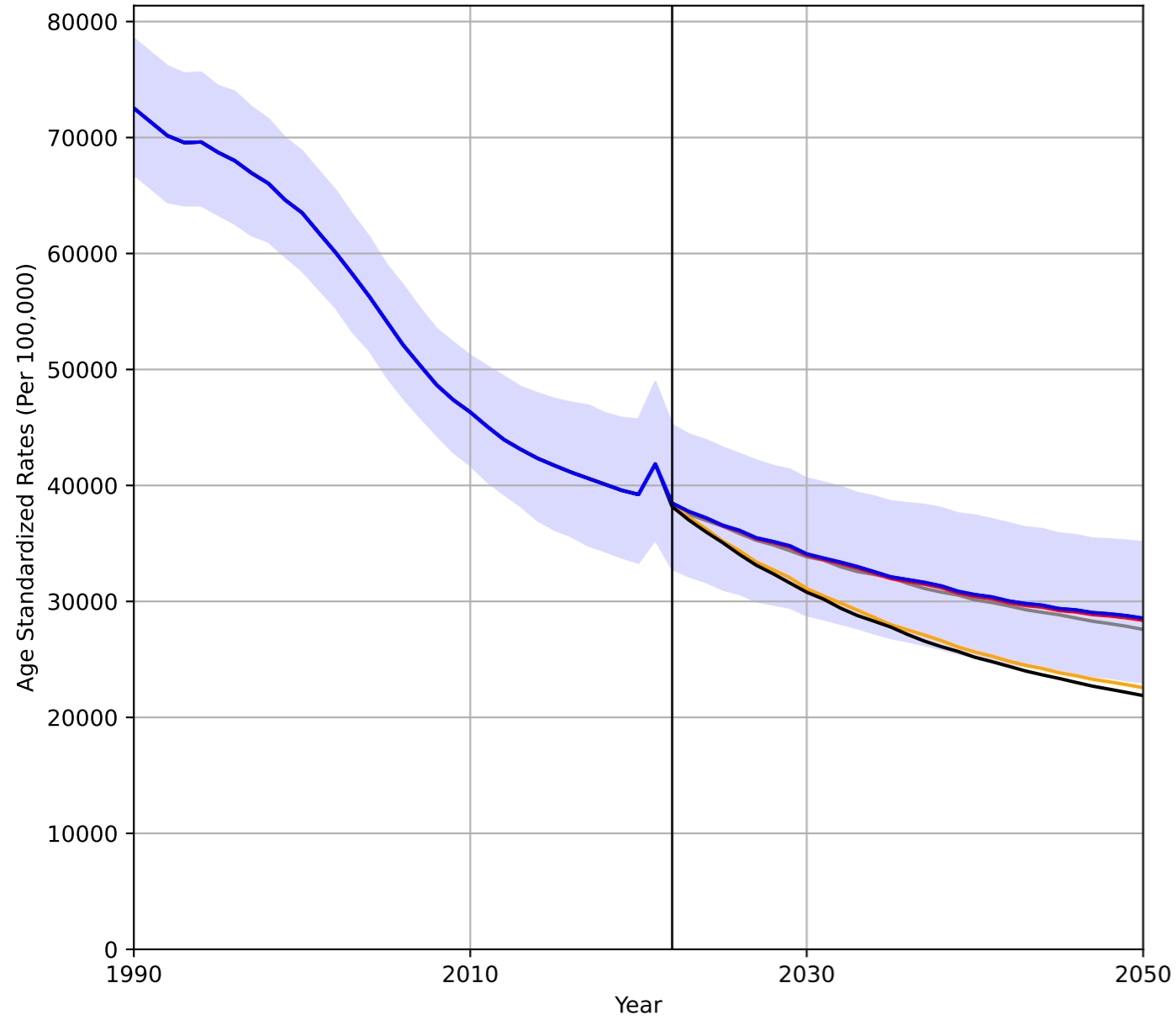
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# Cambodia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

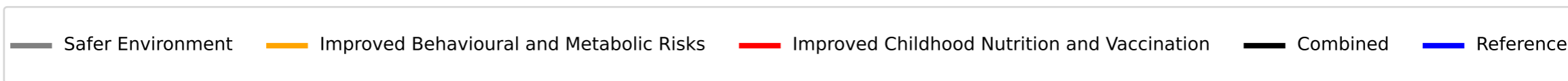
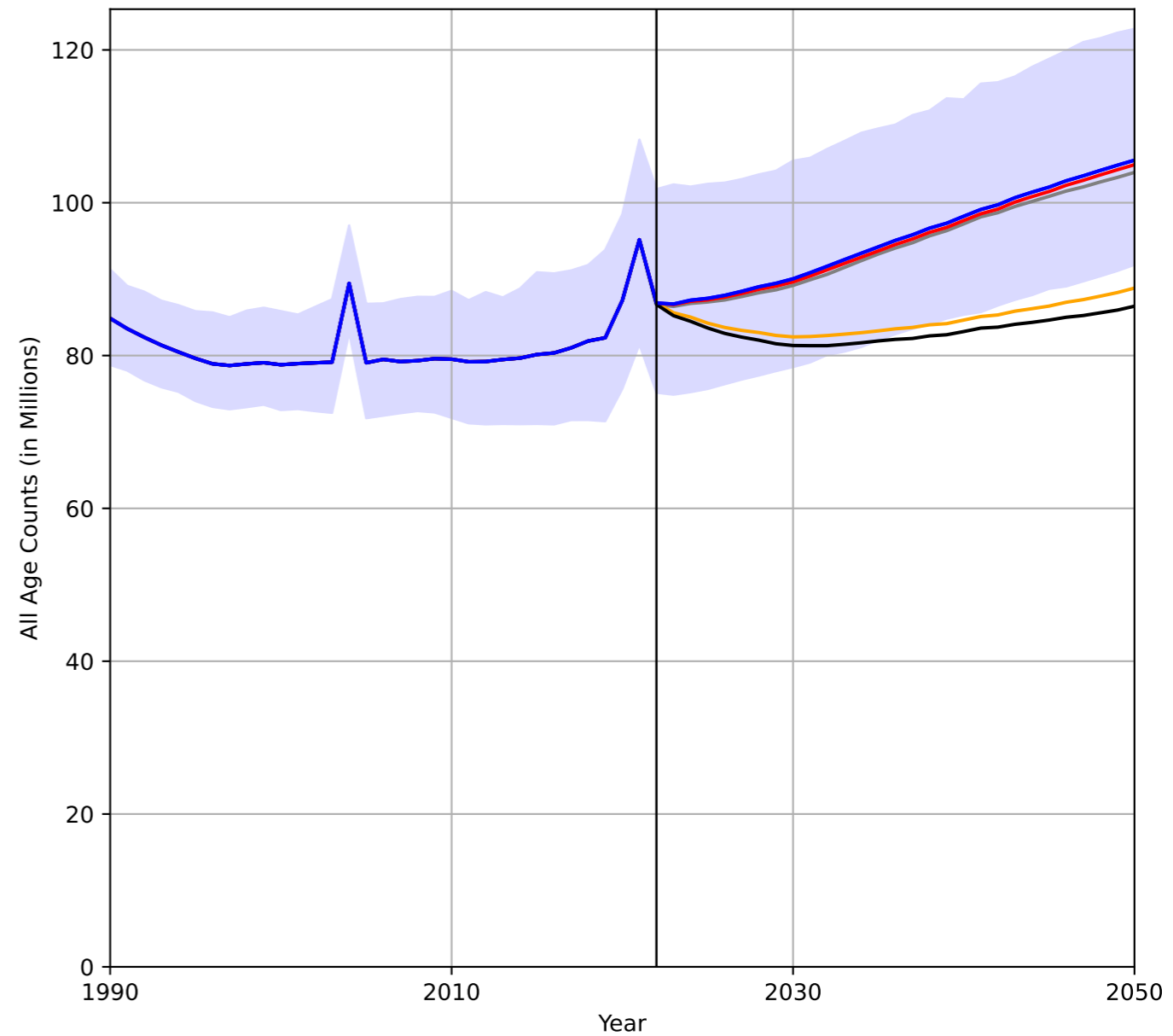
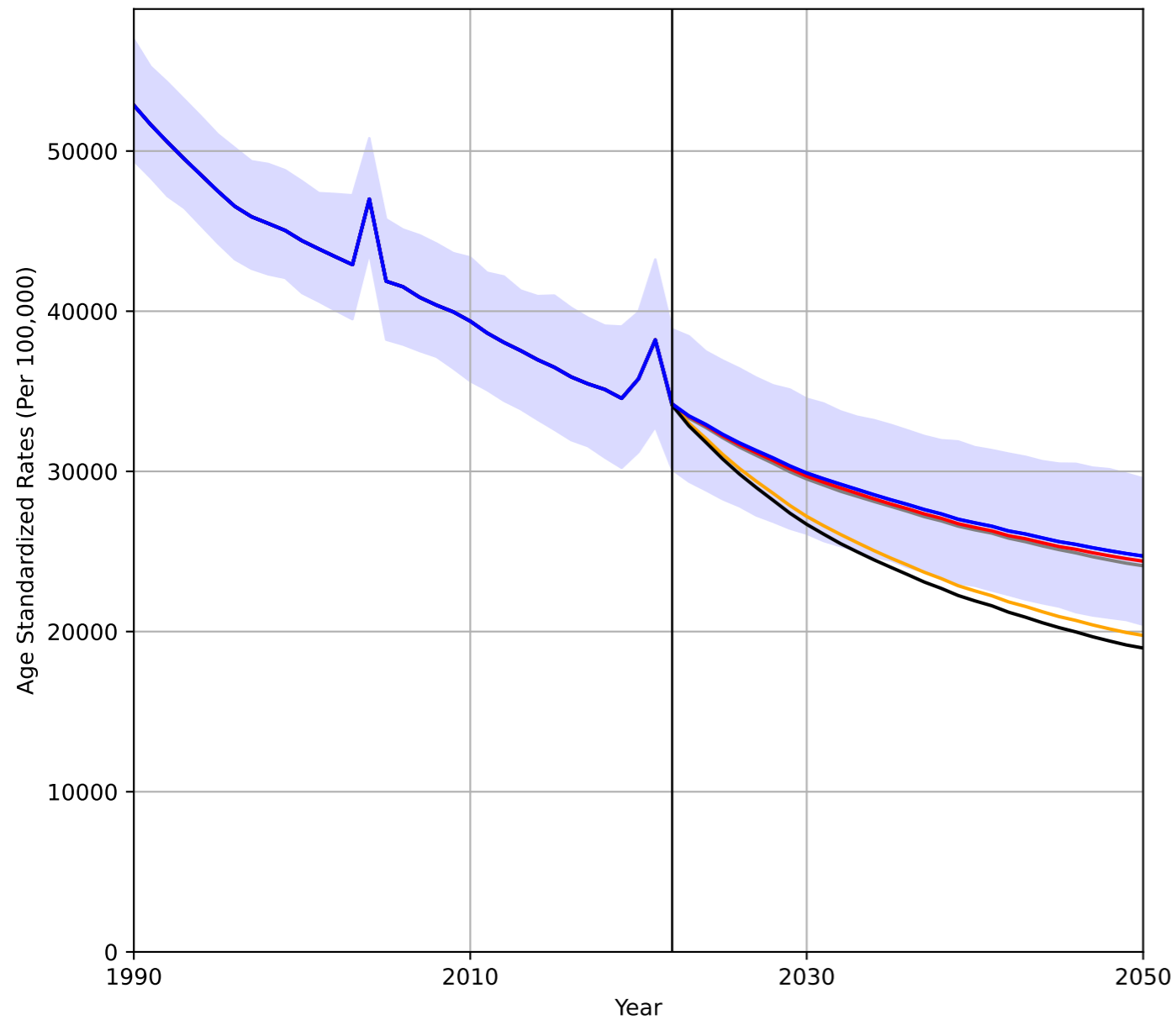
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# Indonesia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

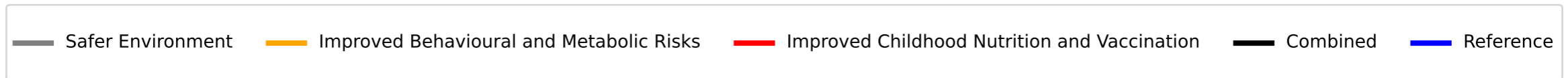
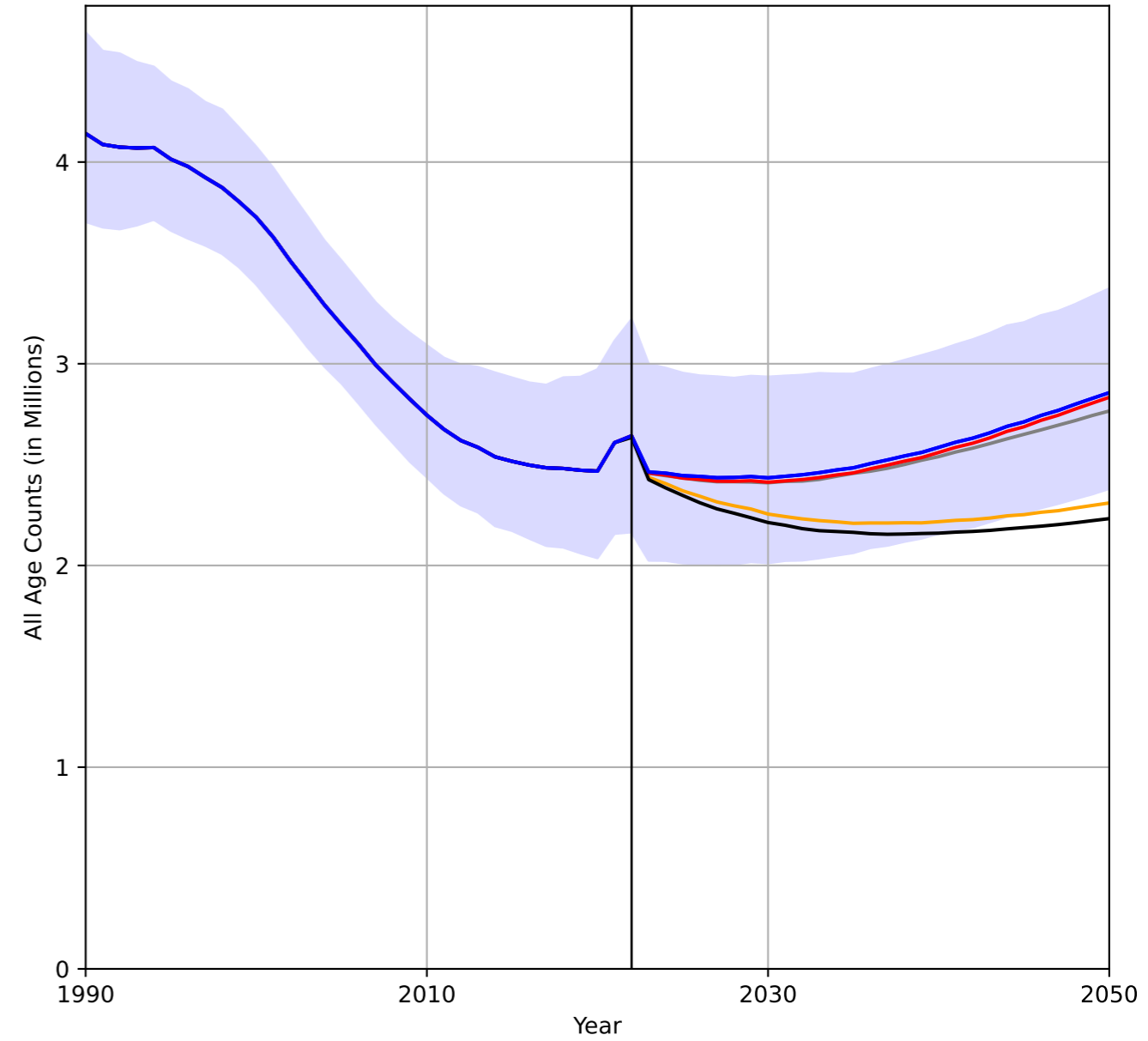
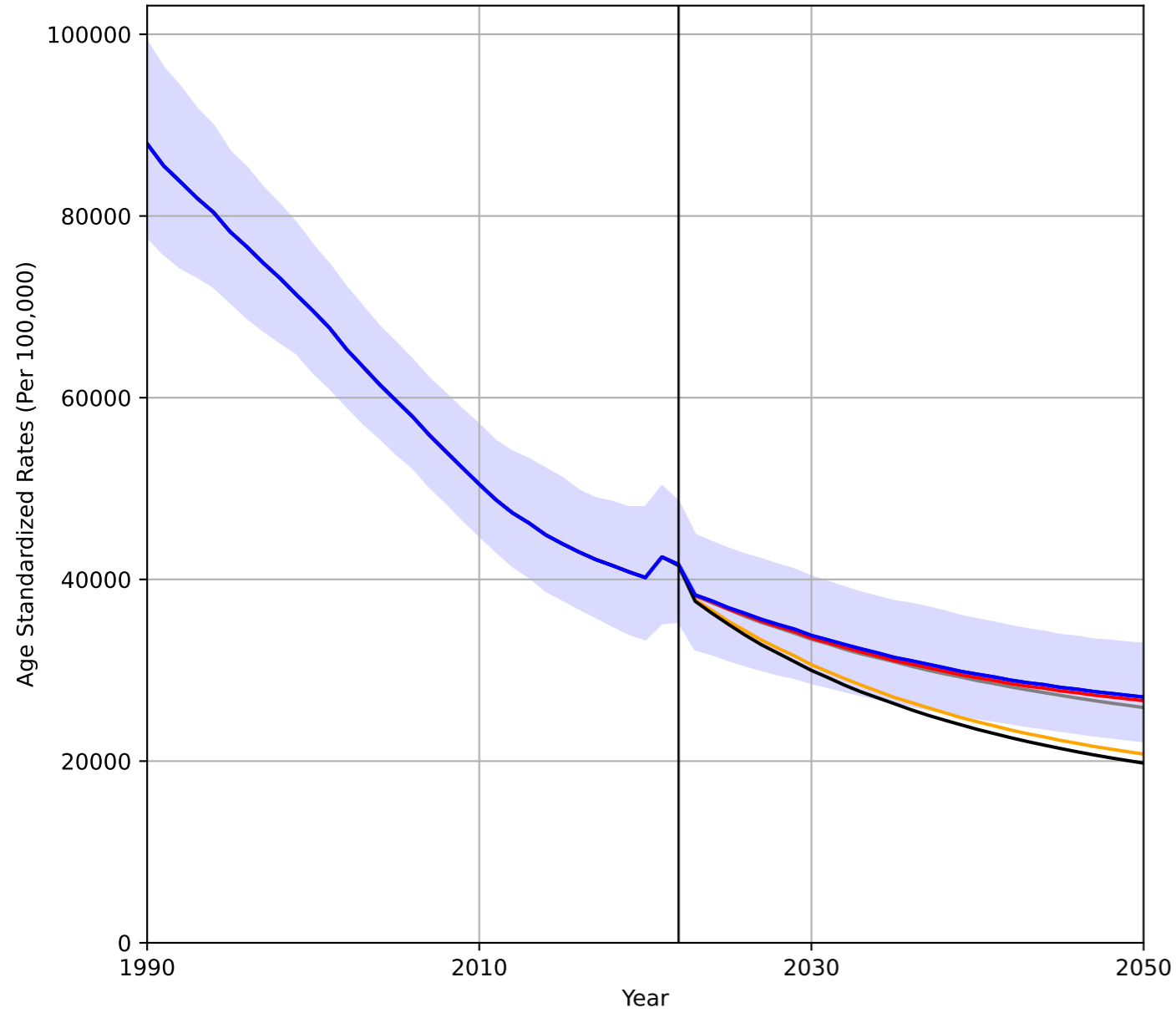
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# Laos

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

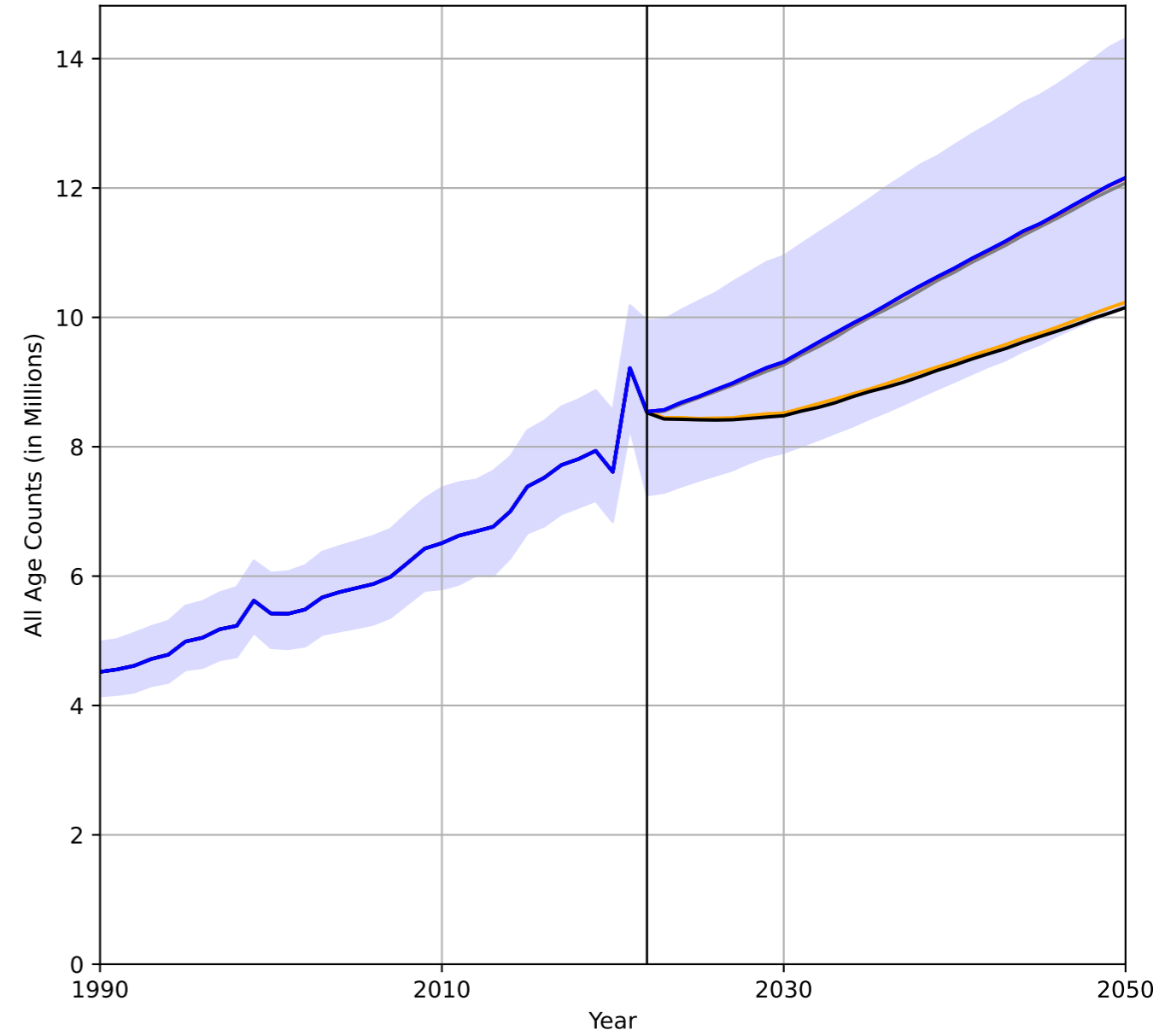
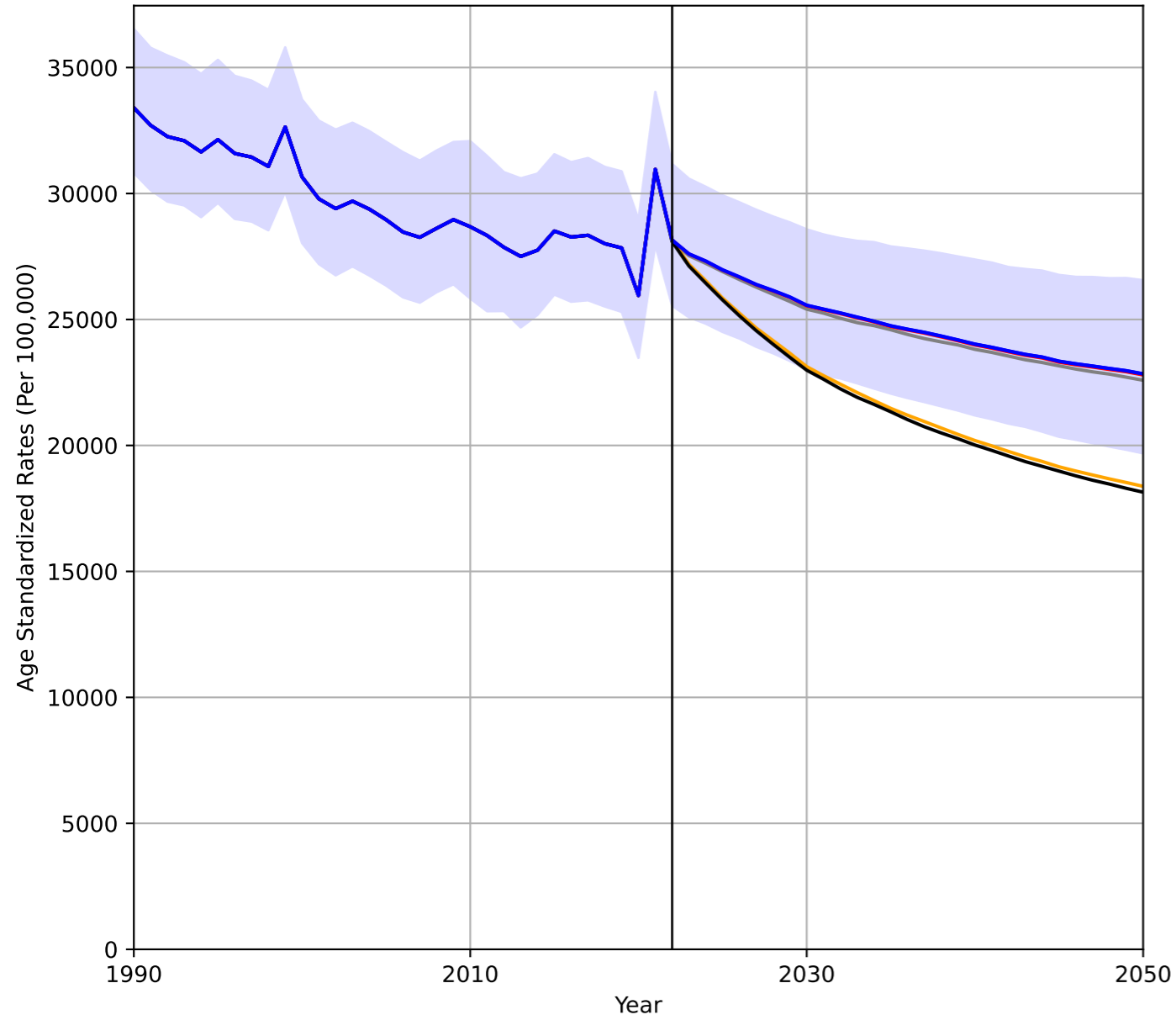
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# Malaysia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1559

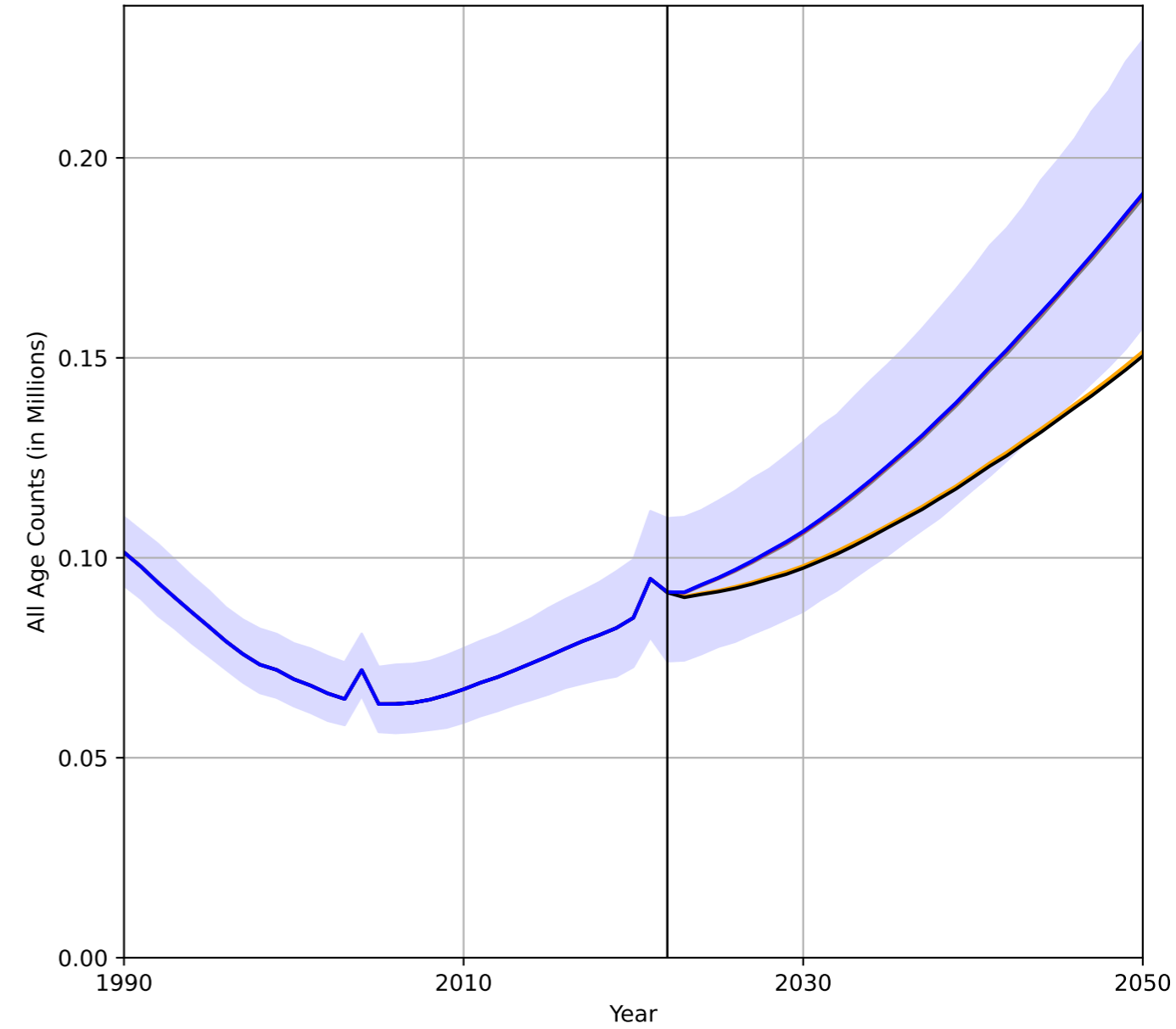
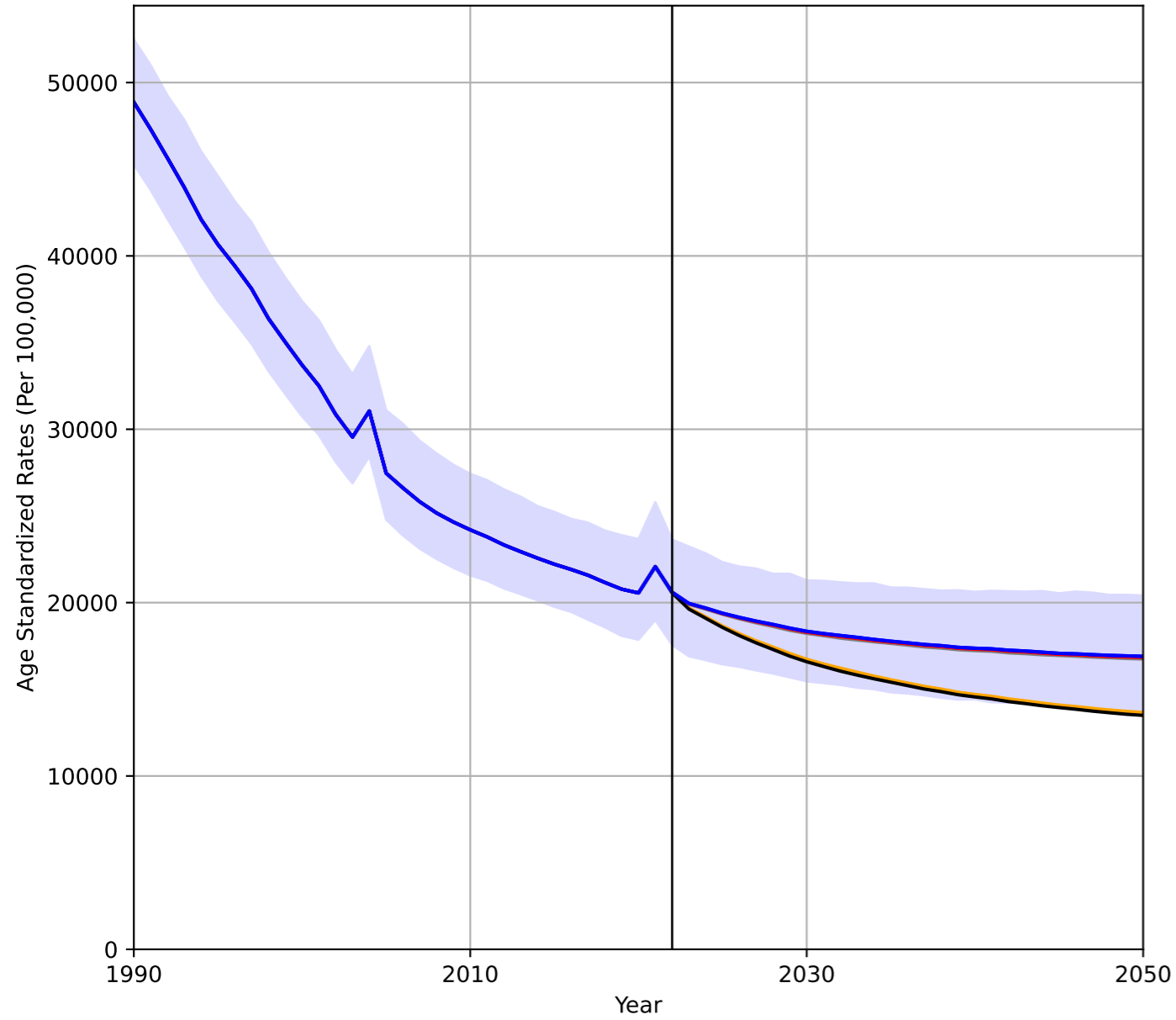




# Maldives

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

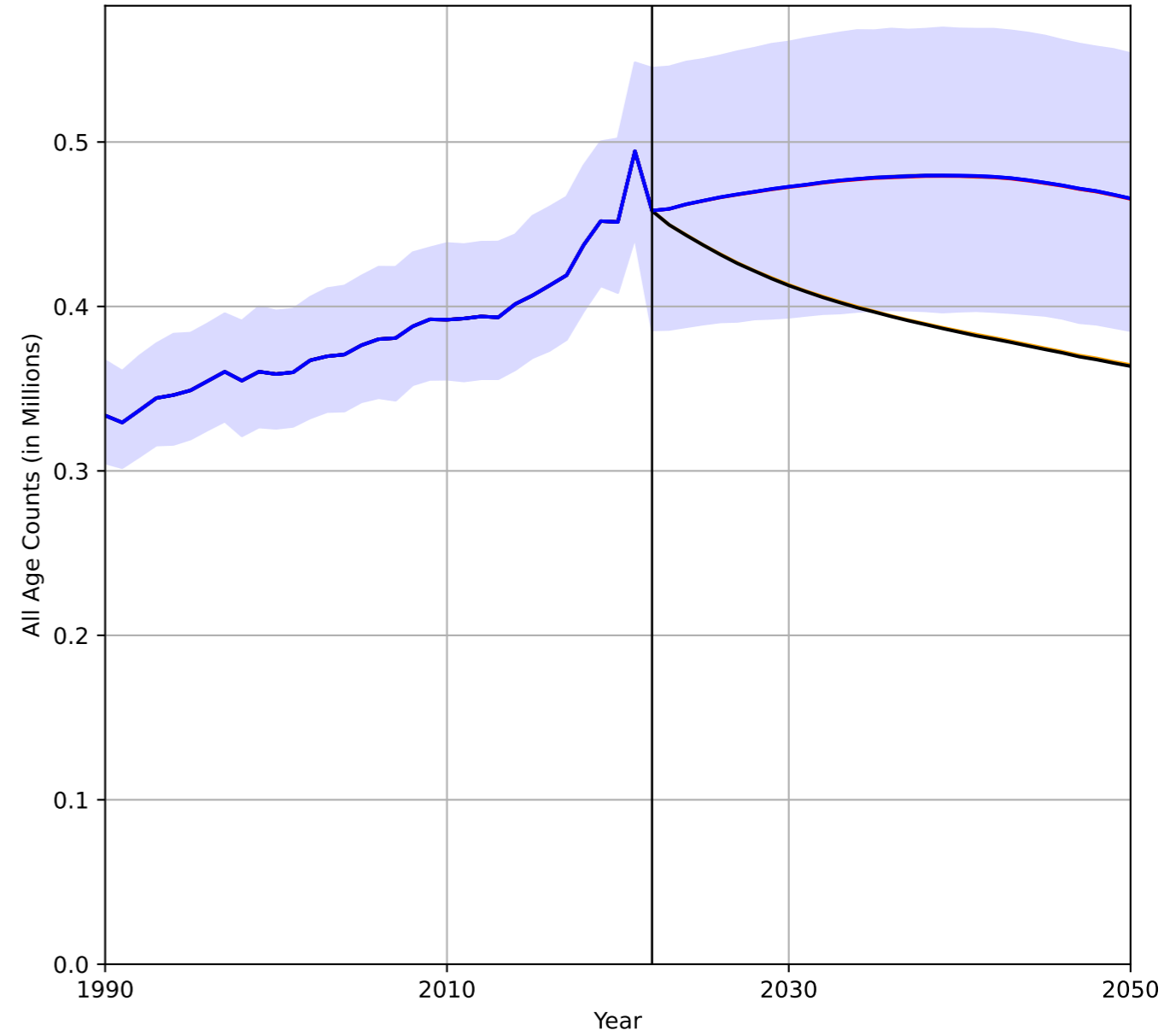
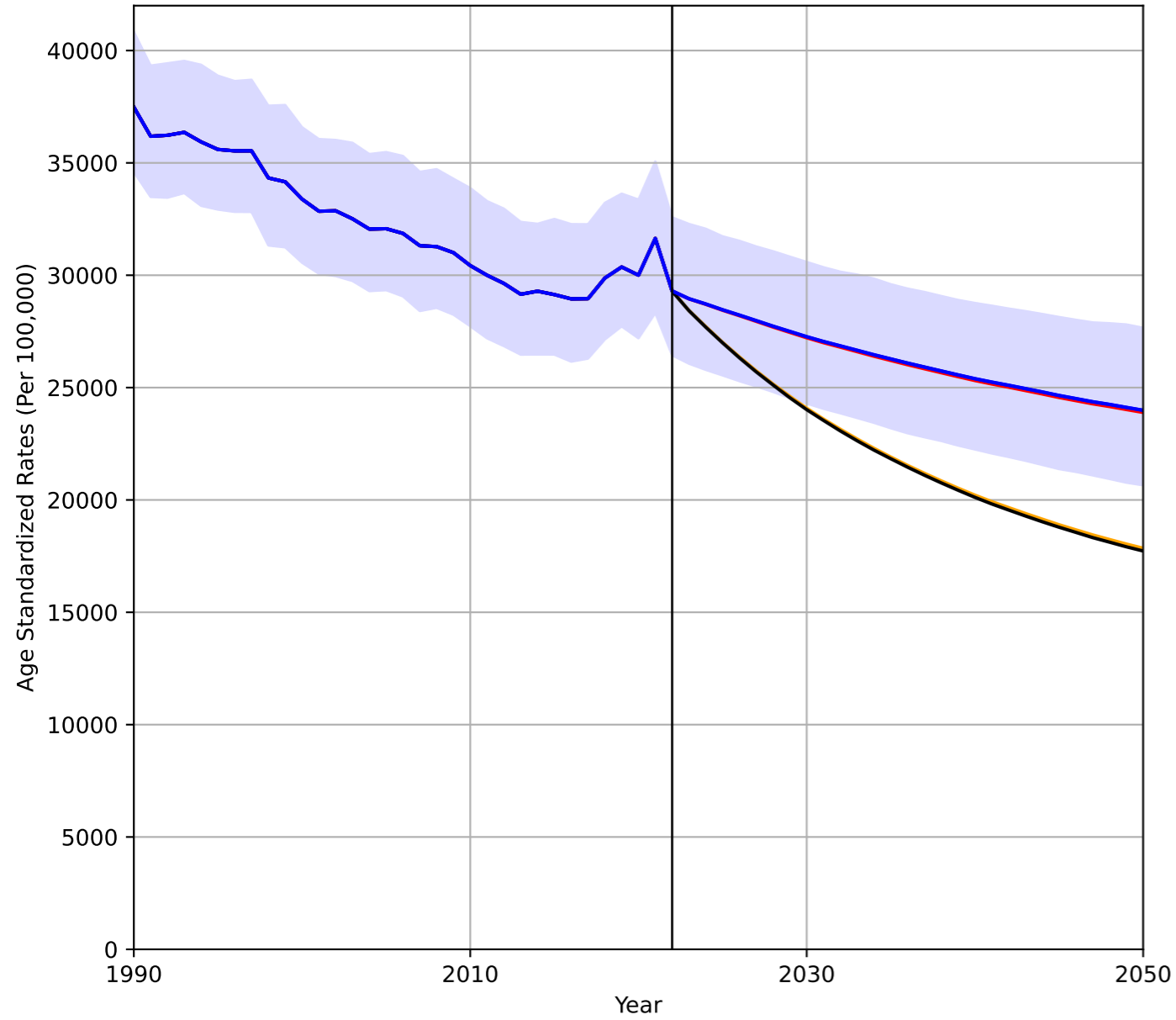
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# Mauritius

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

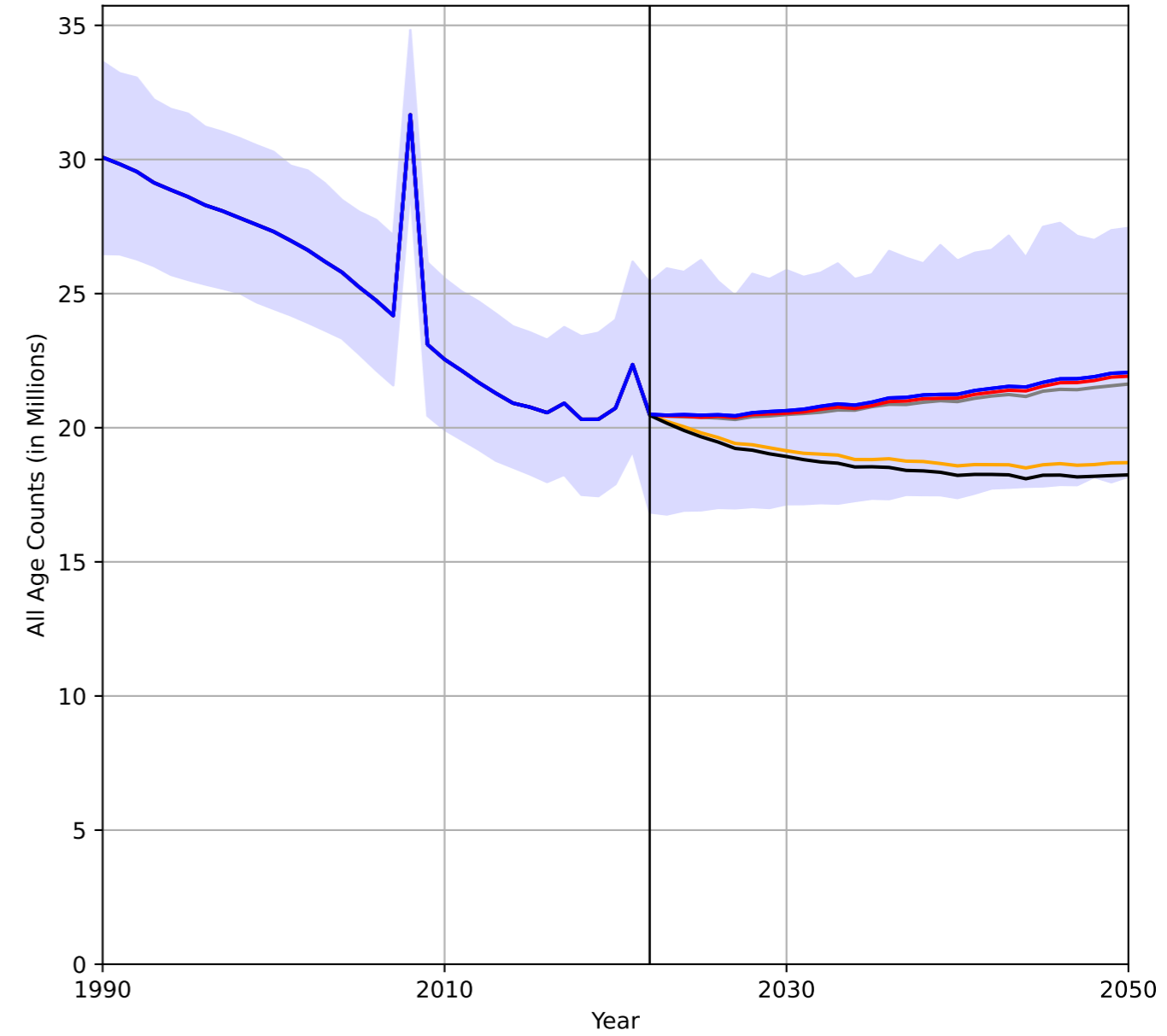
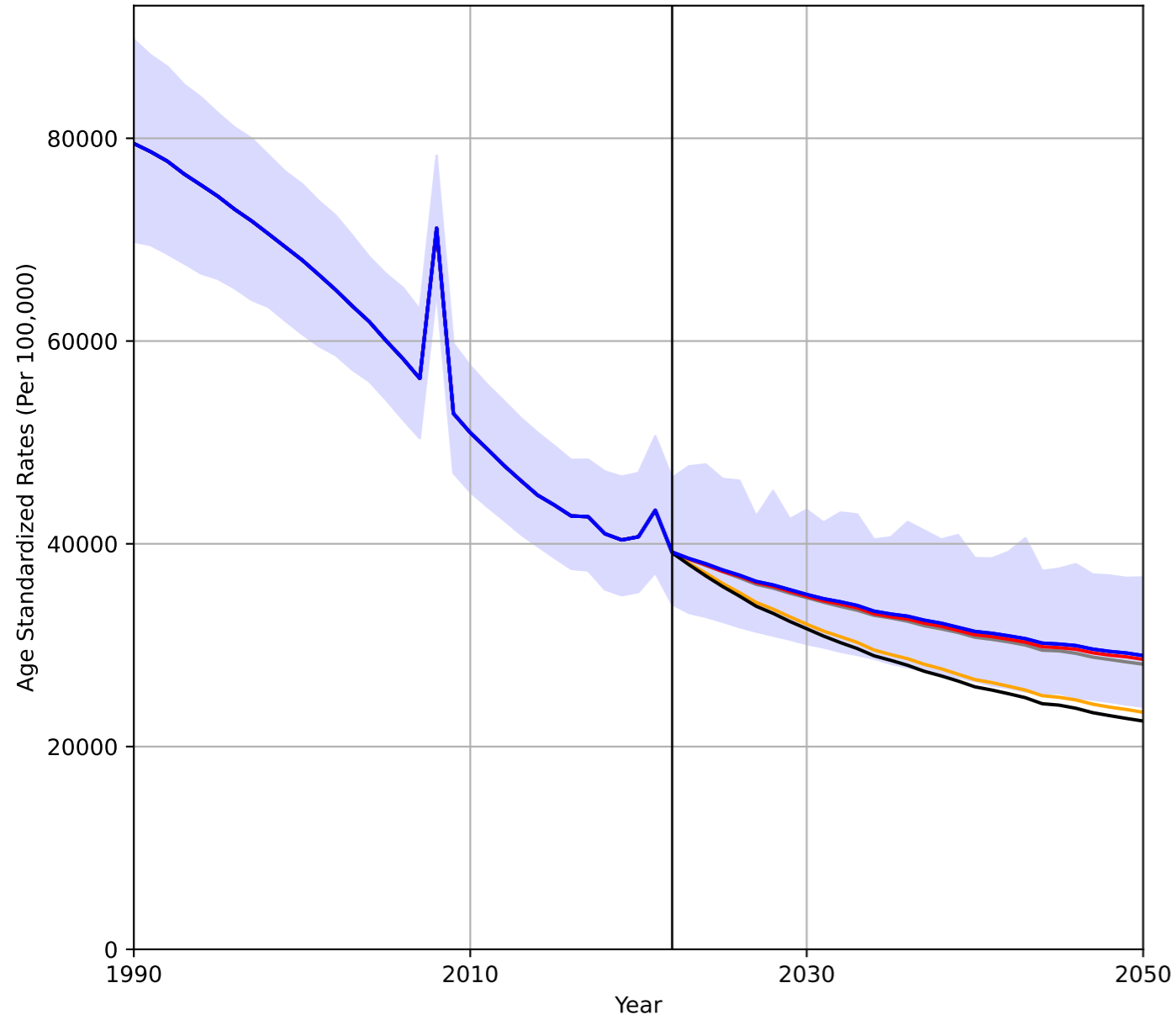
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# Myanmar

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

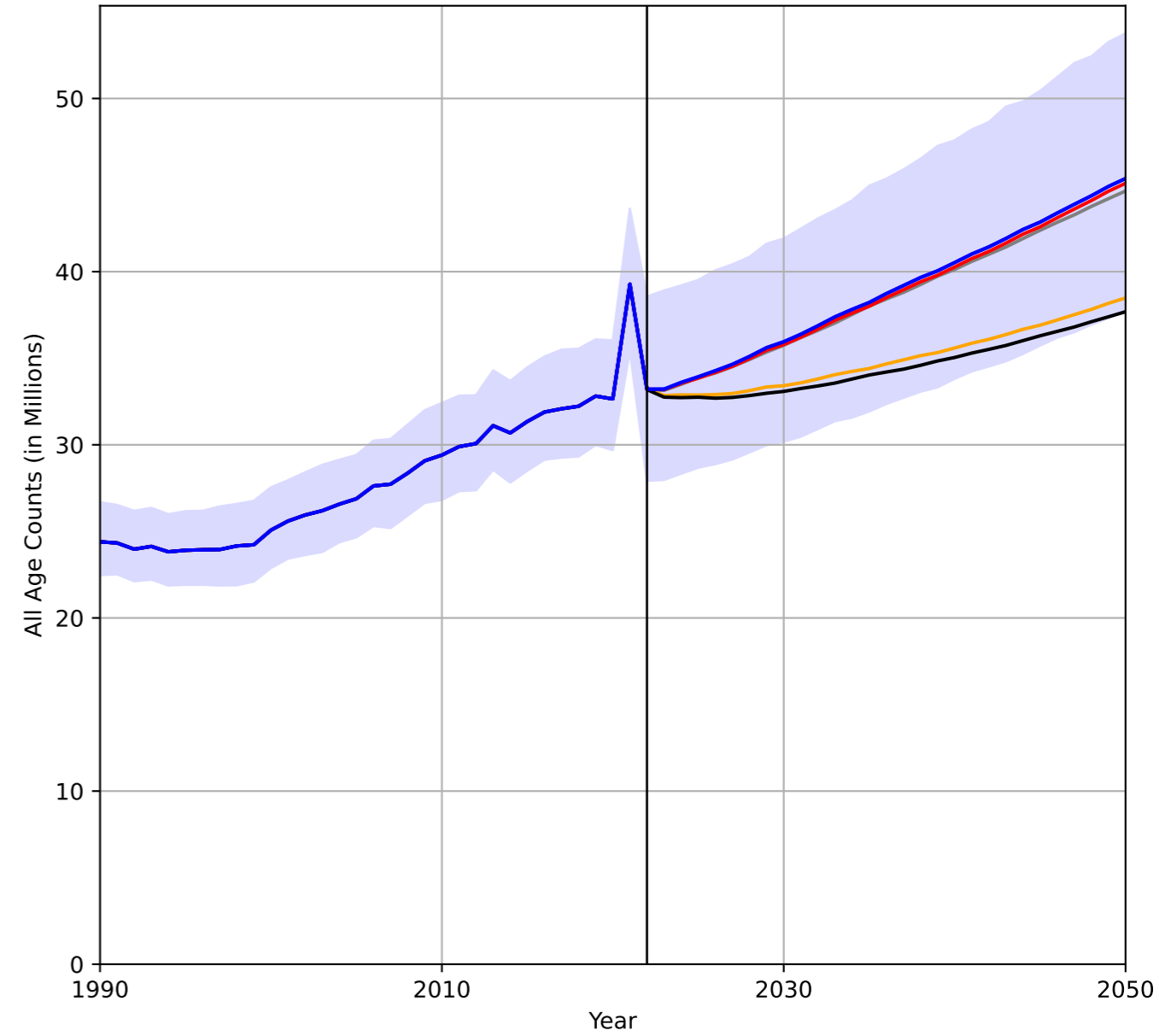
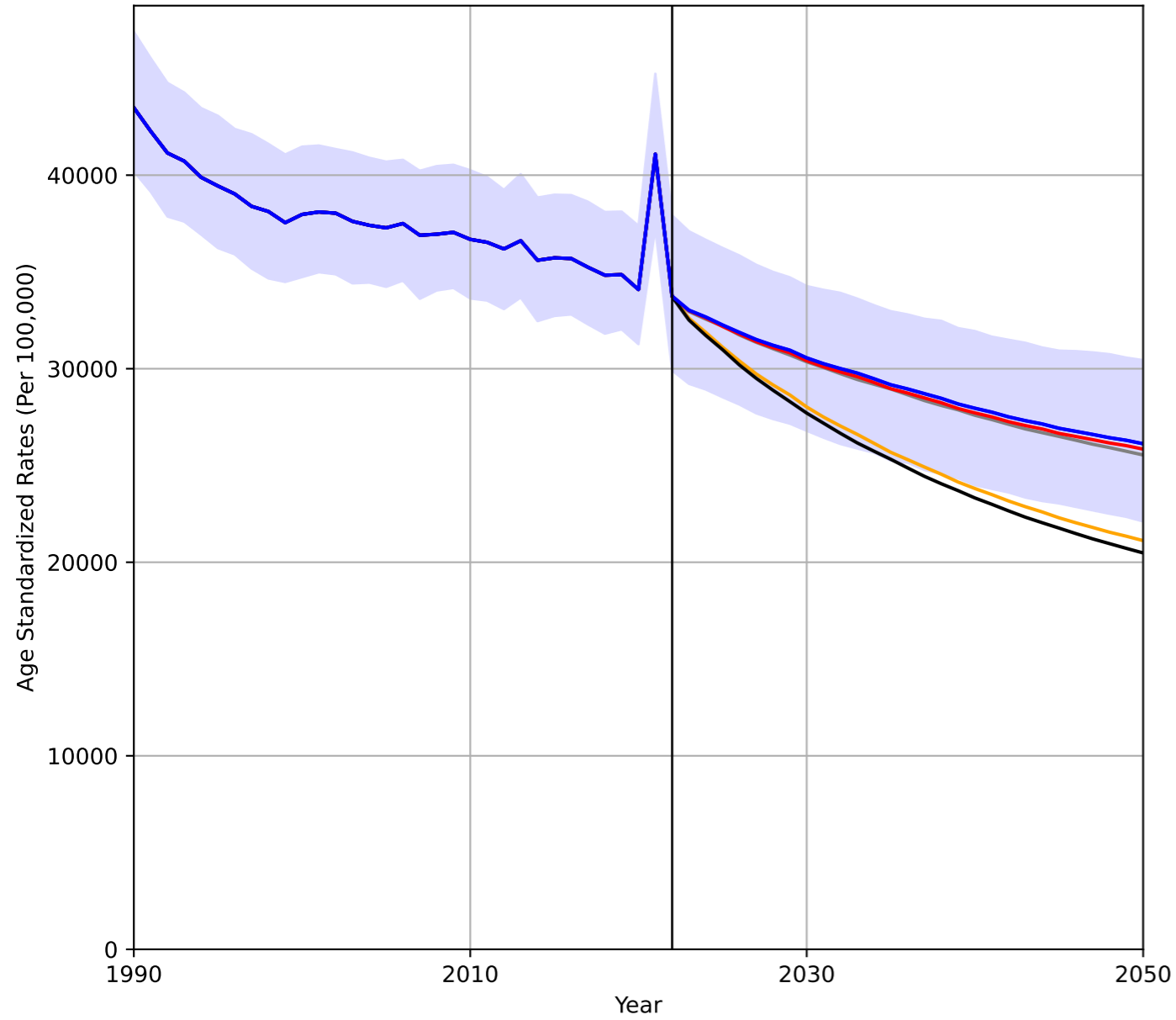
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# Philippines

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

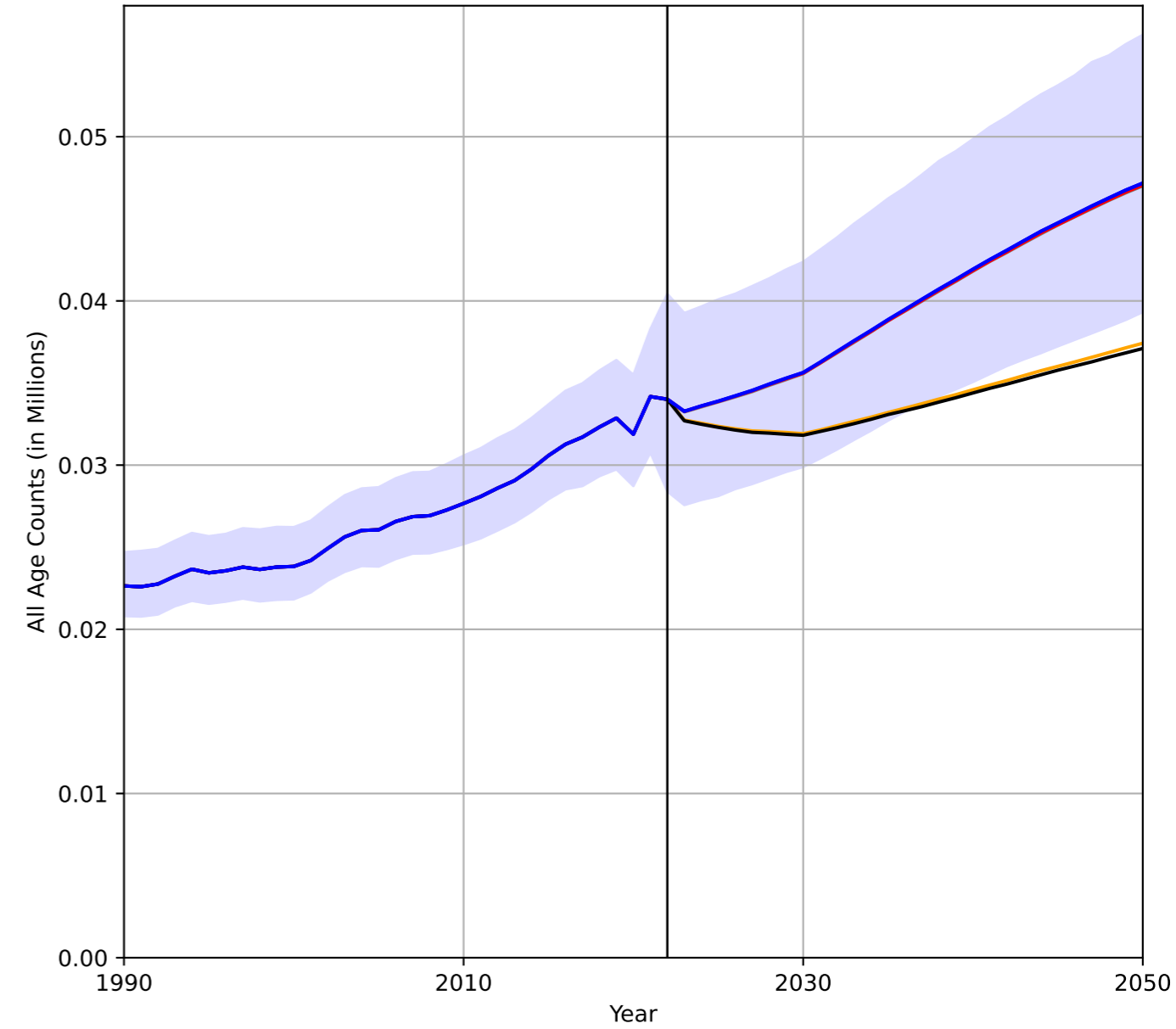
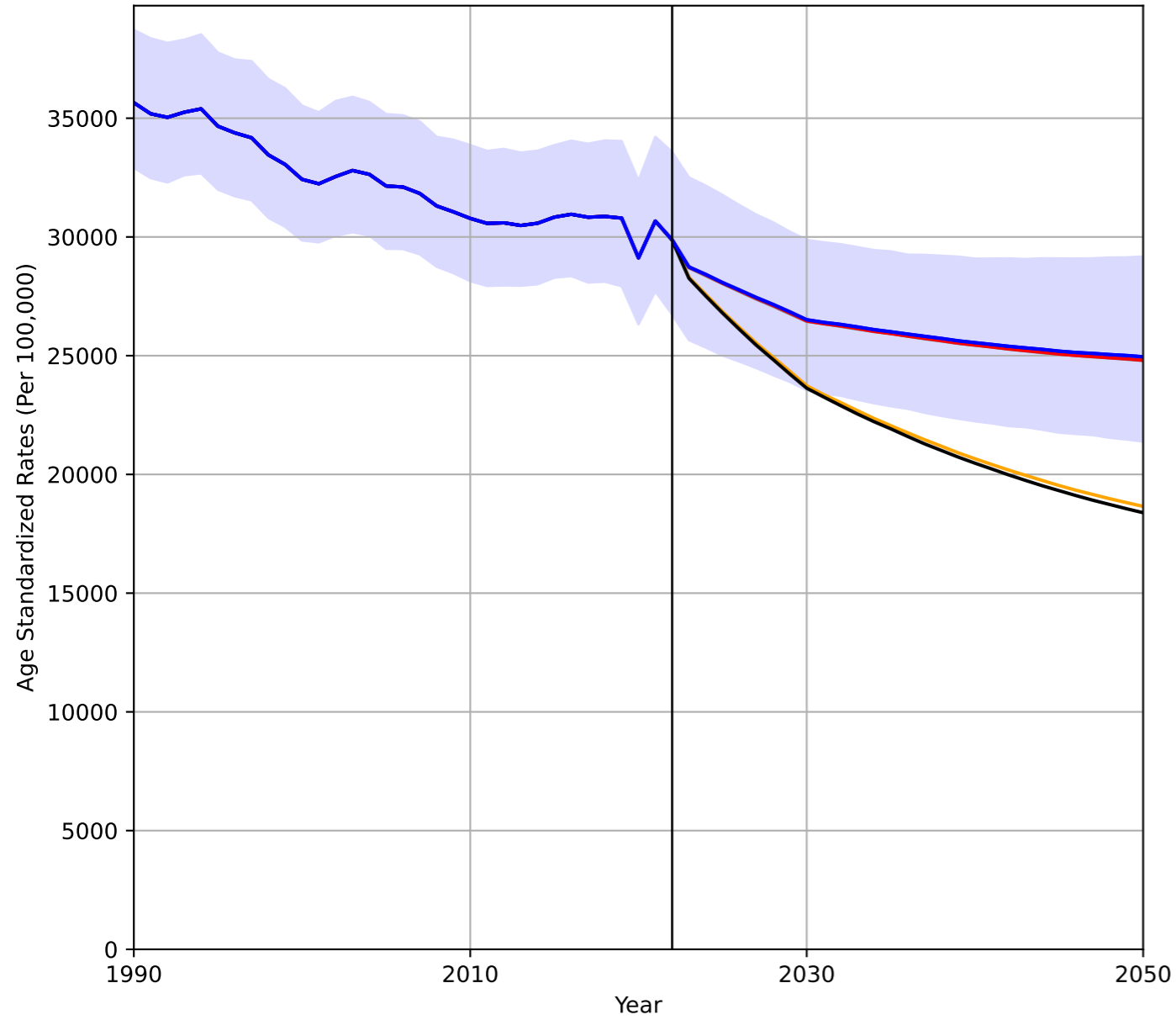
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# Seychelles

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

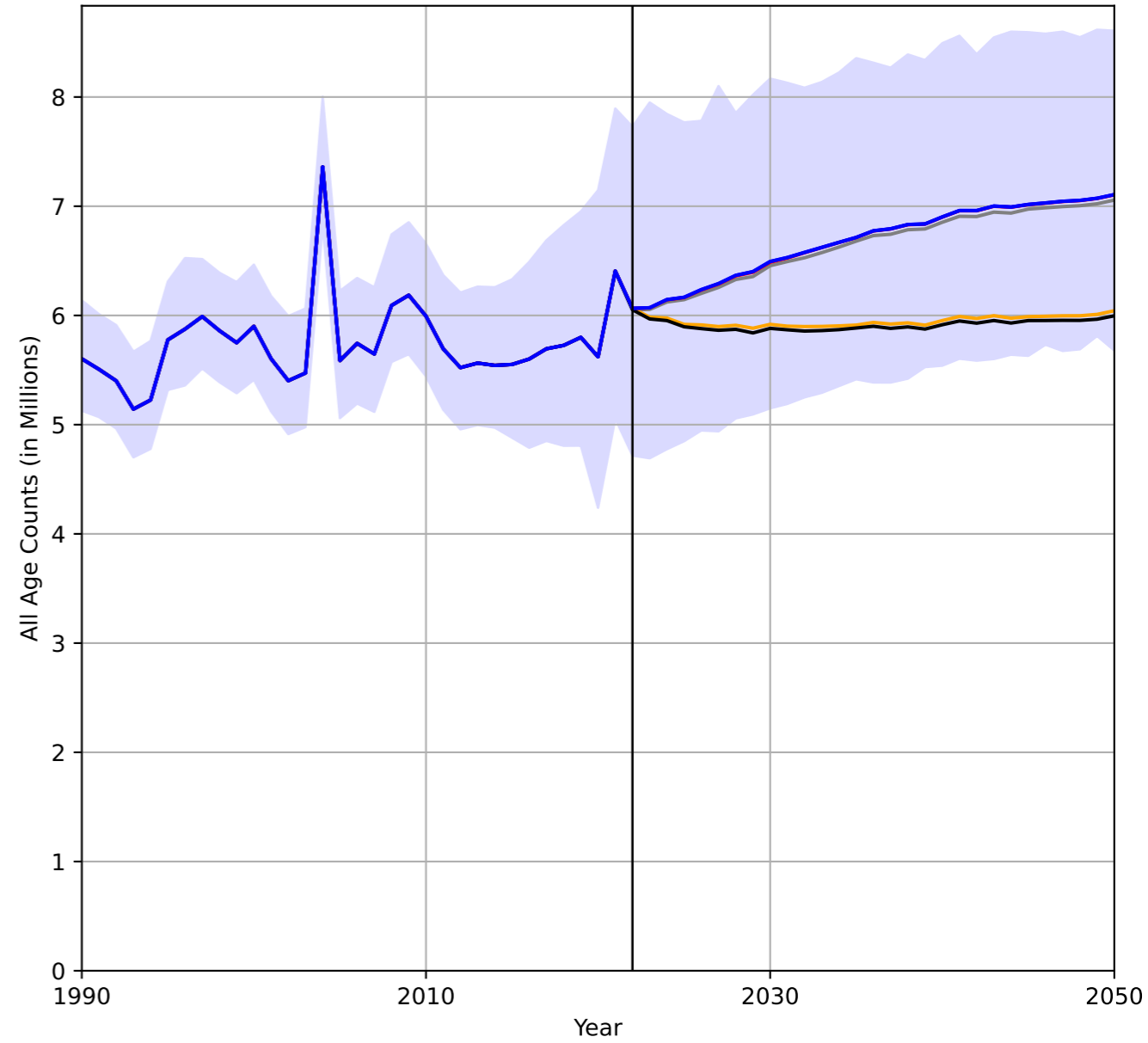
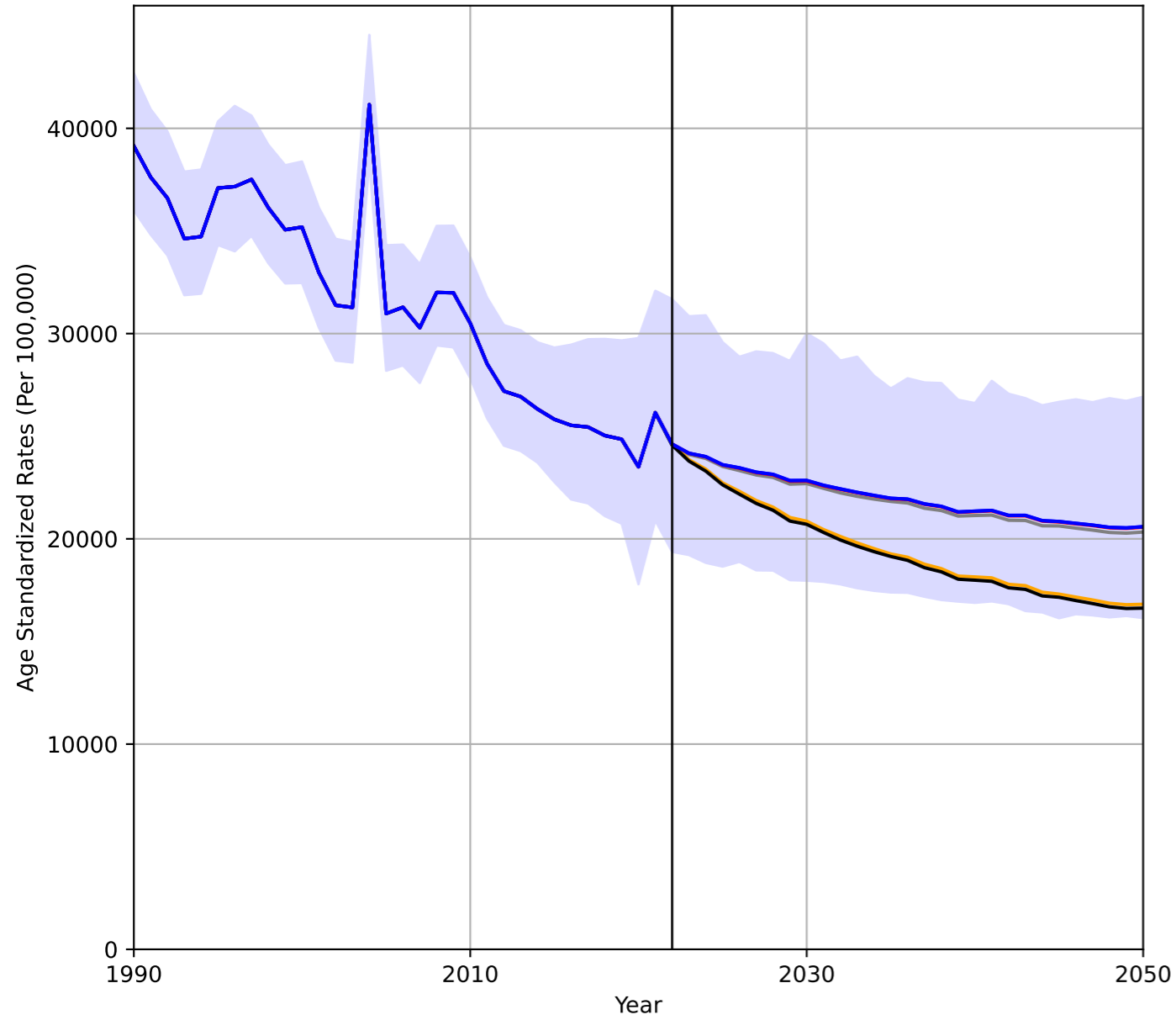
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# Sri Lanka

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

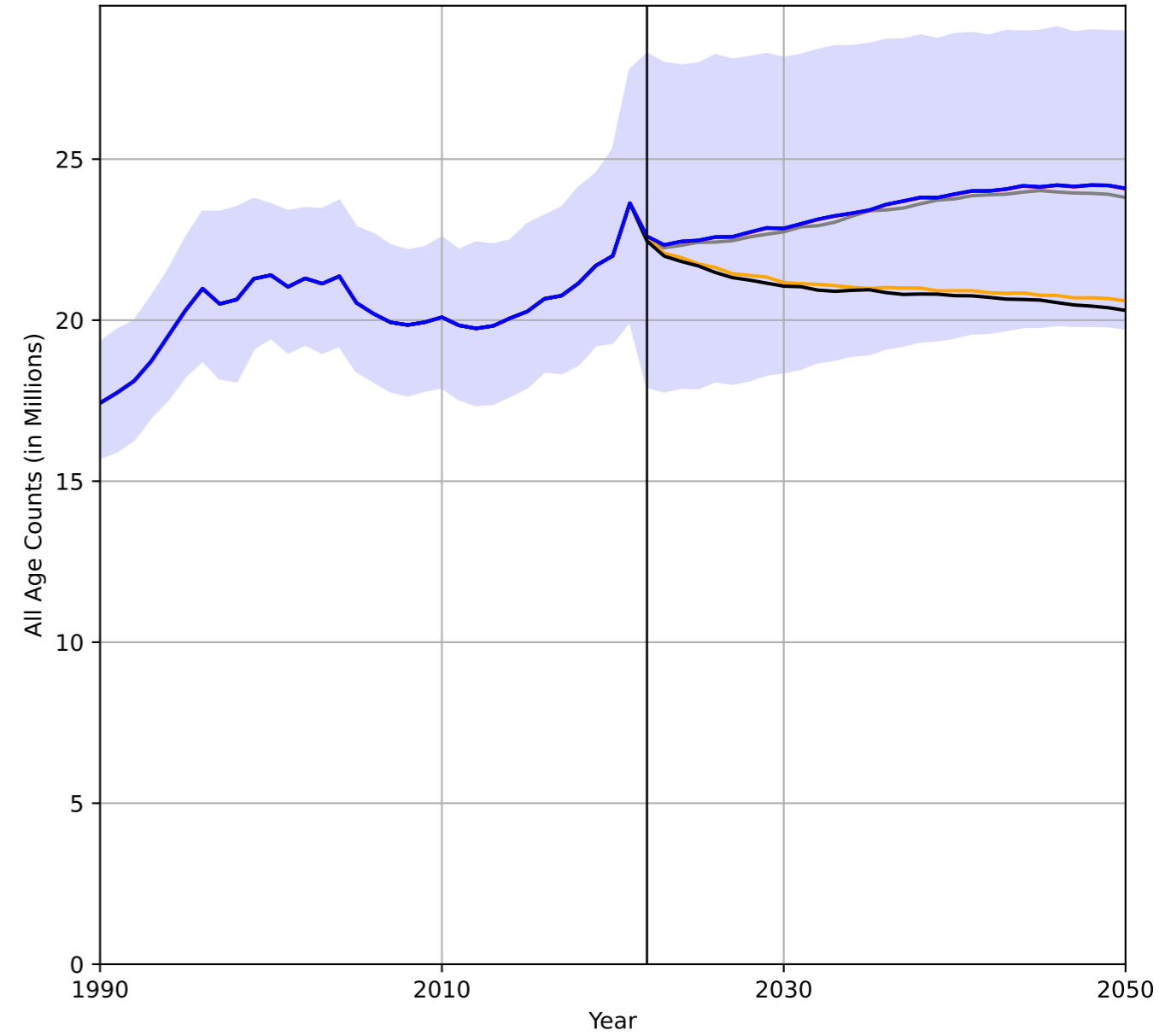
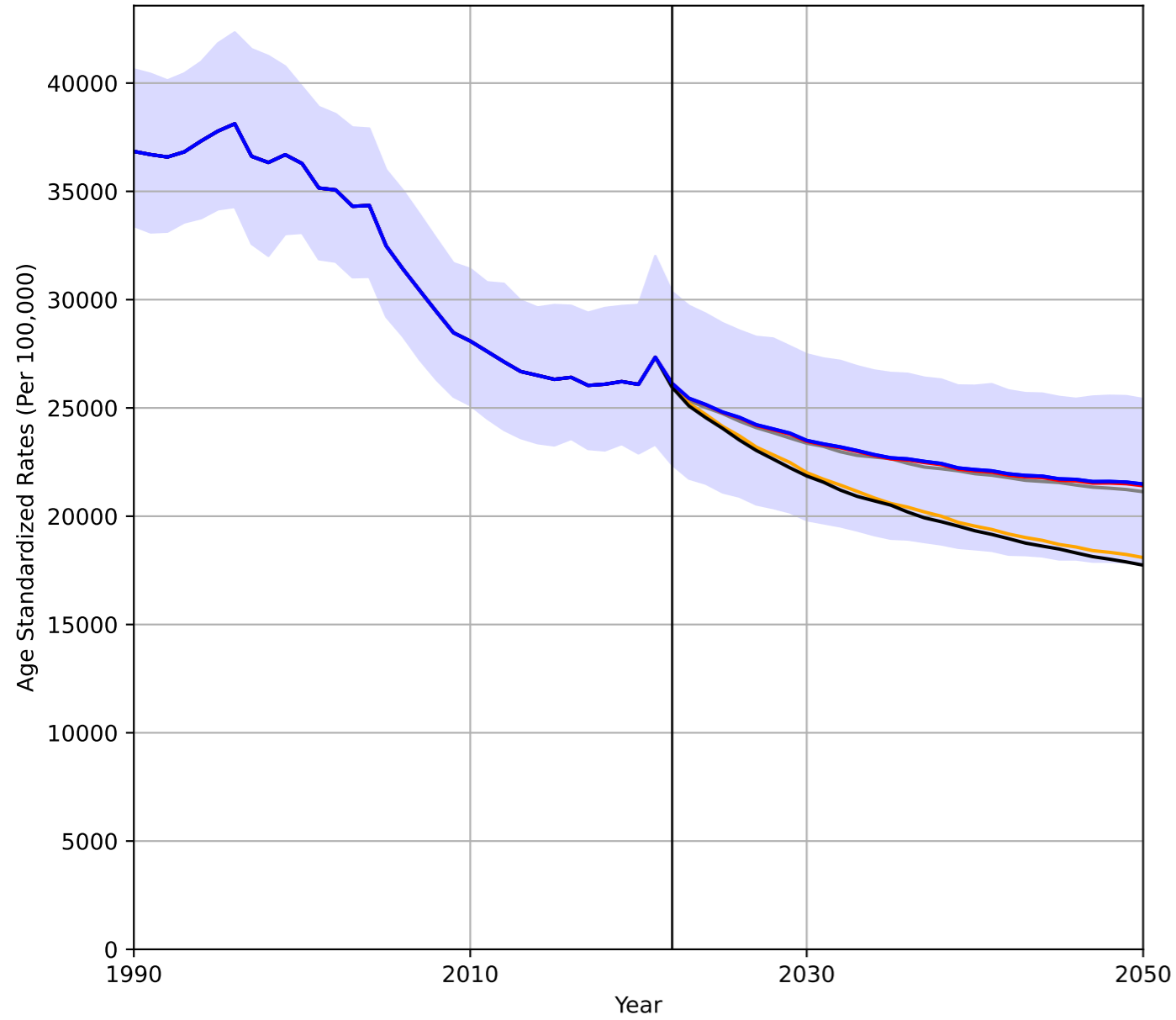
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# Thailand

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

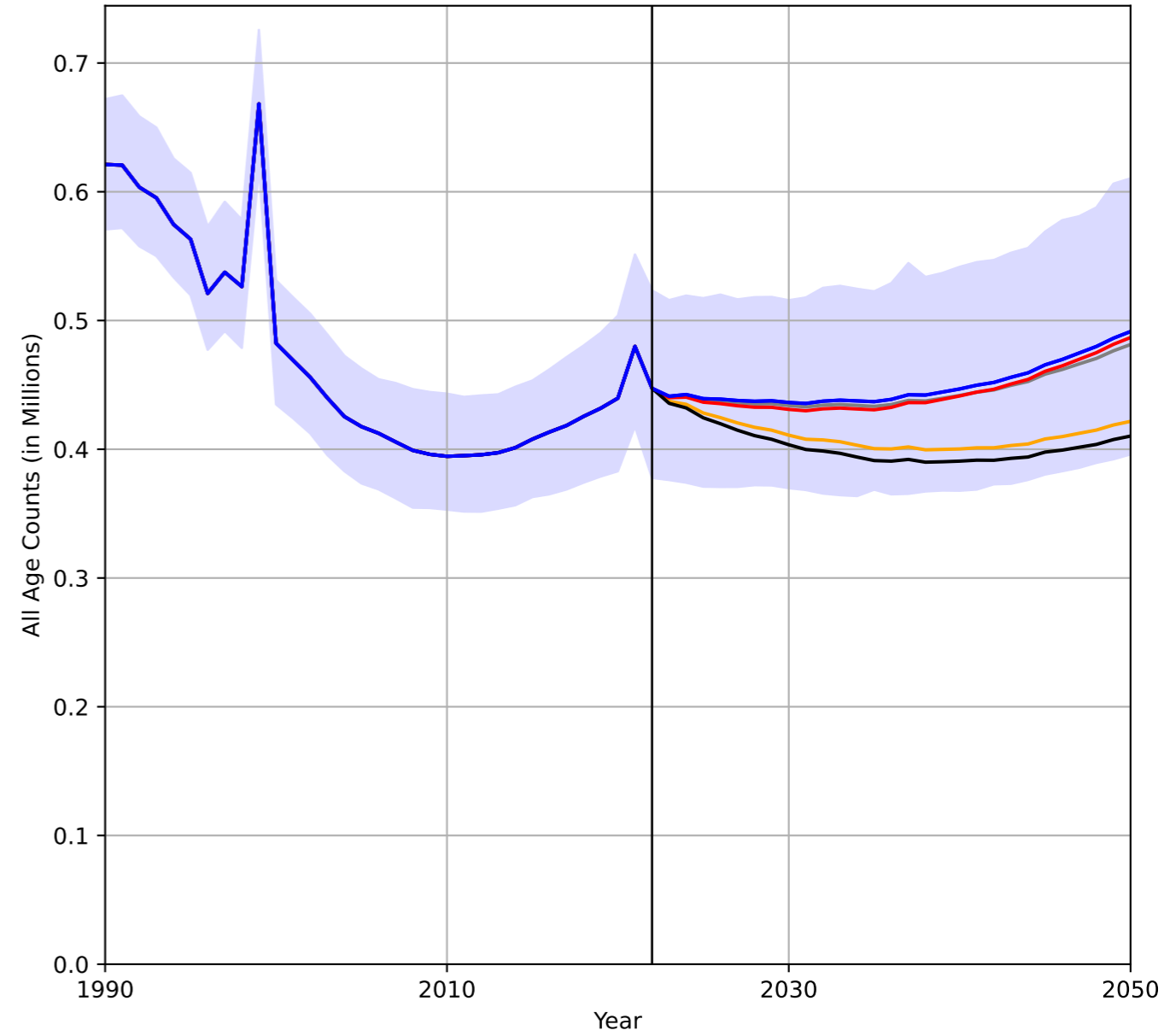
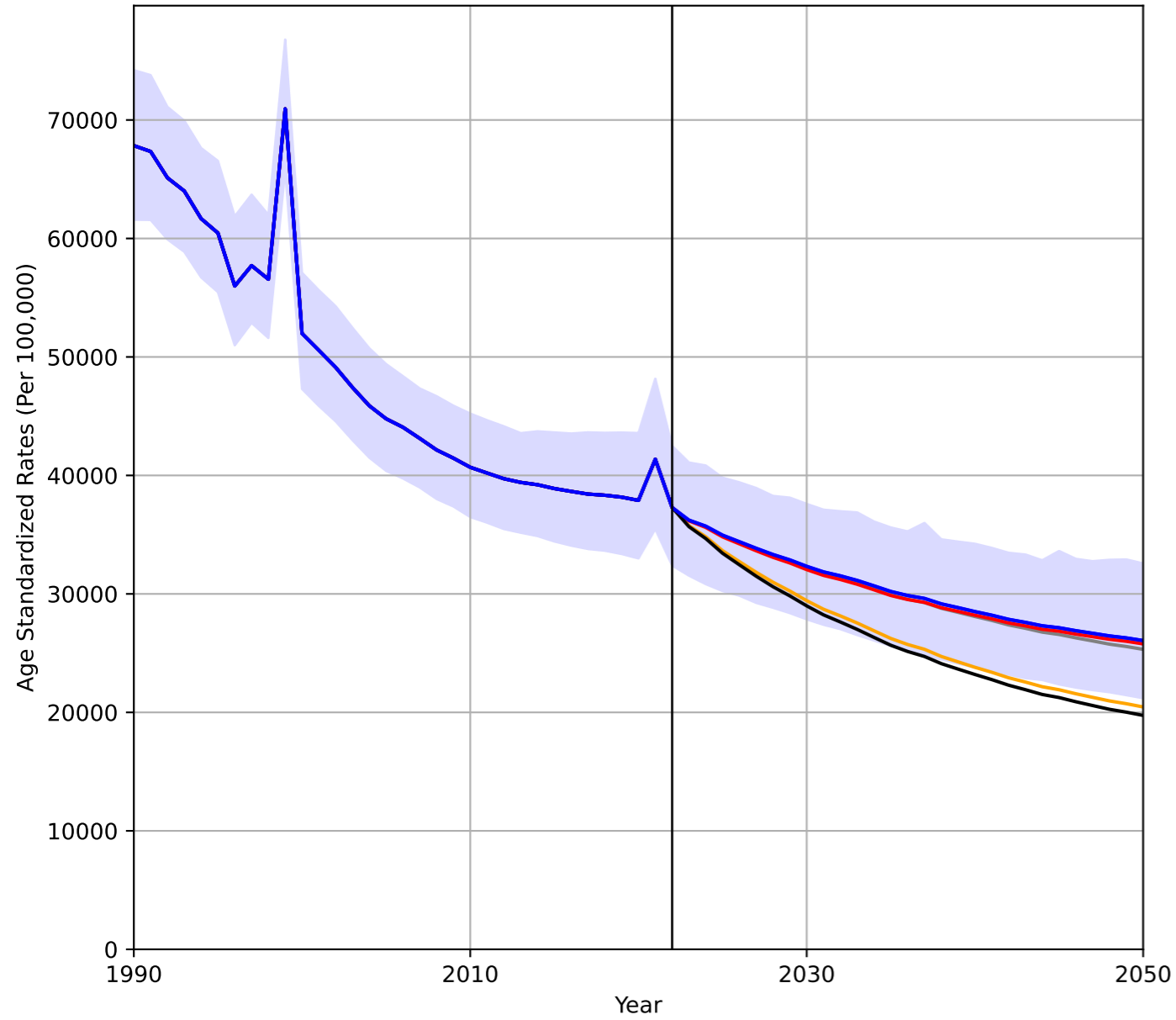
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# Timor-Leste

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1567

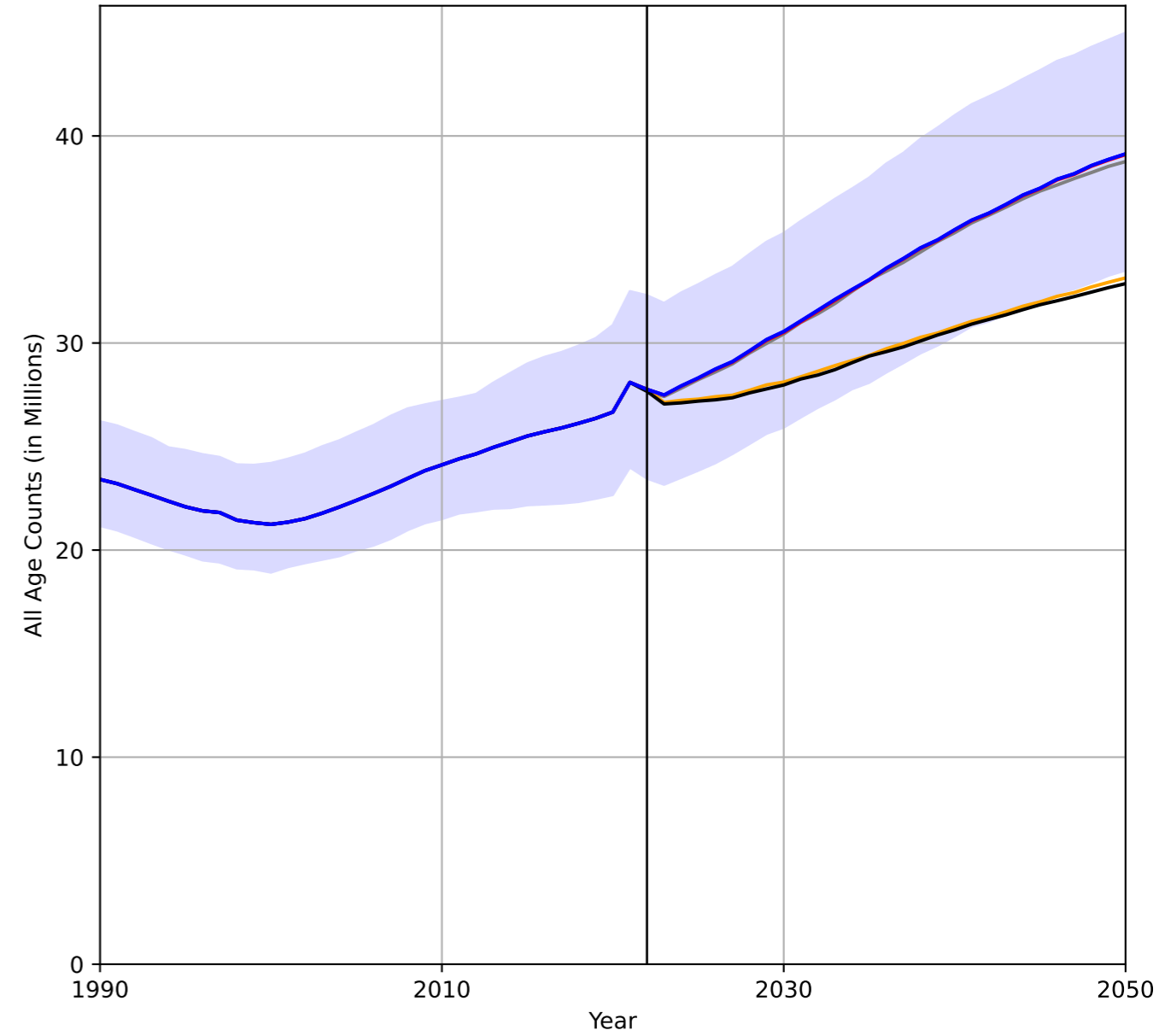
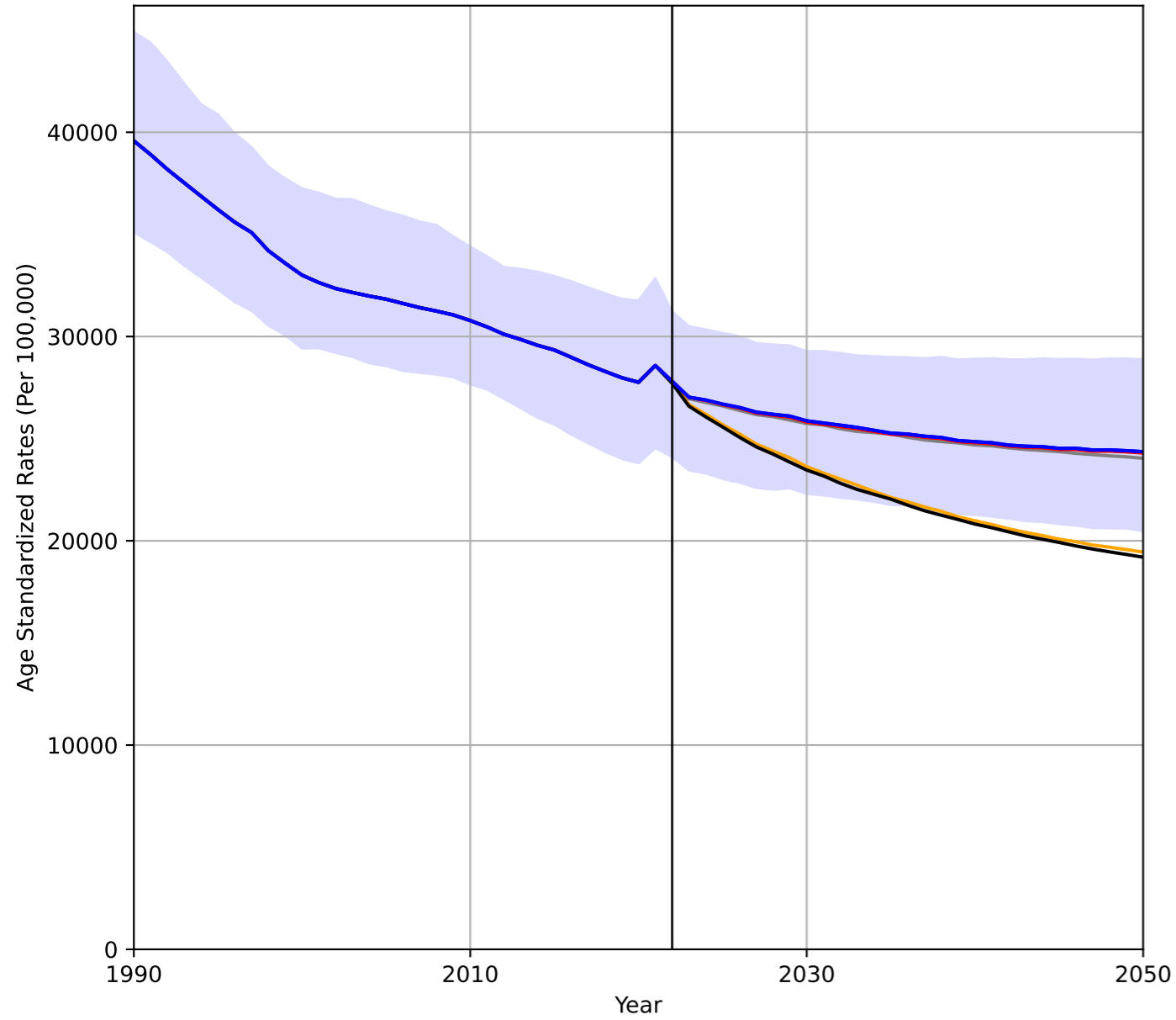




# Viet Nam

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

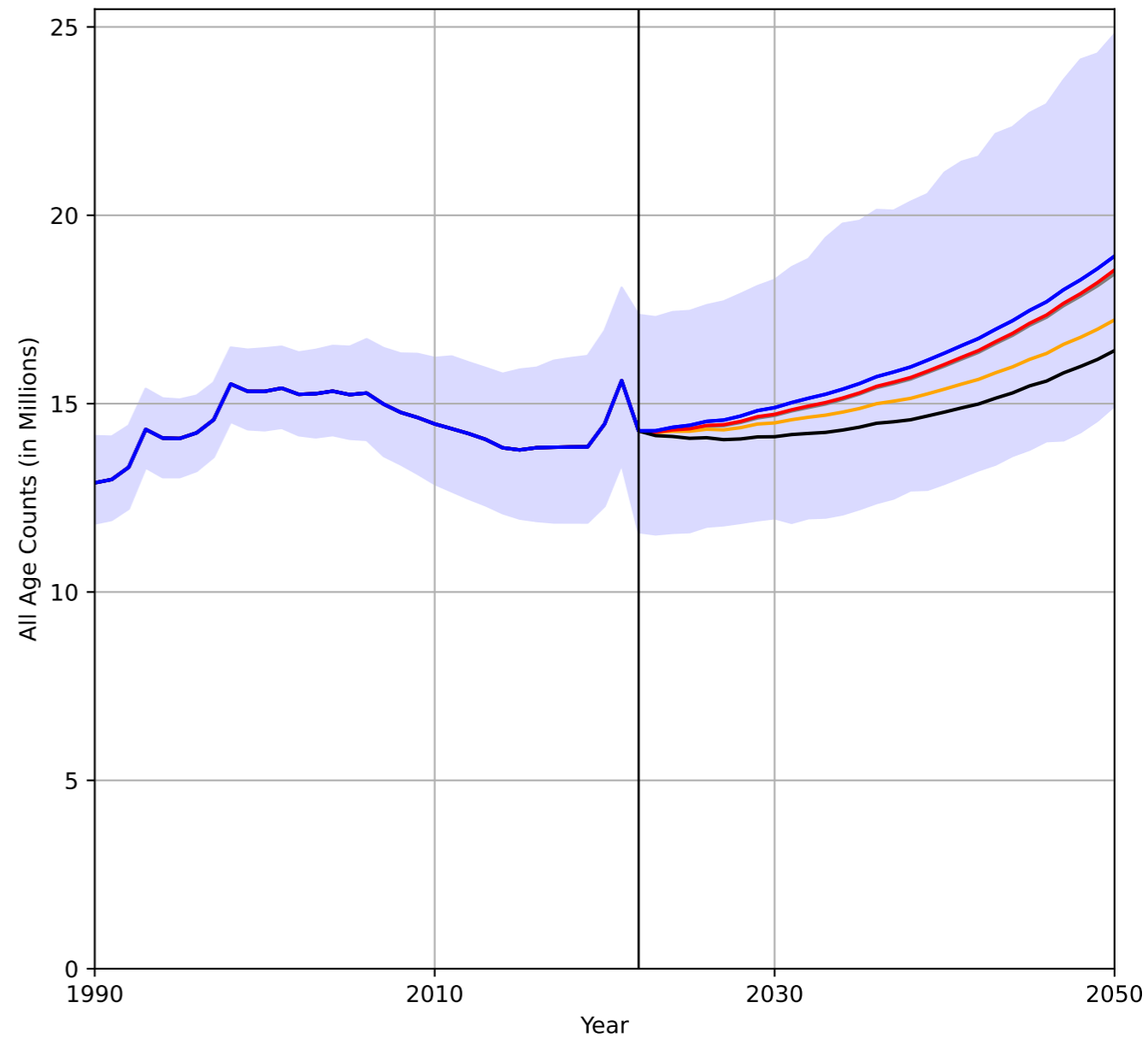
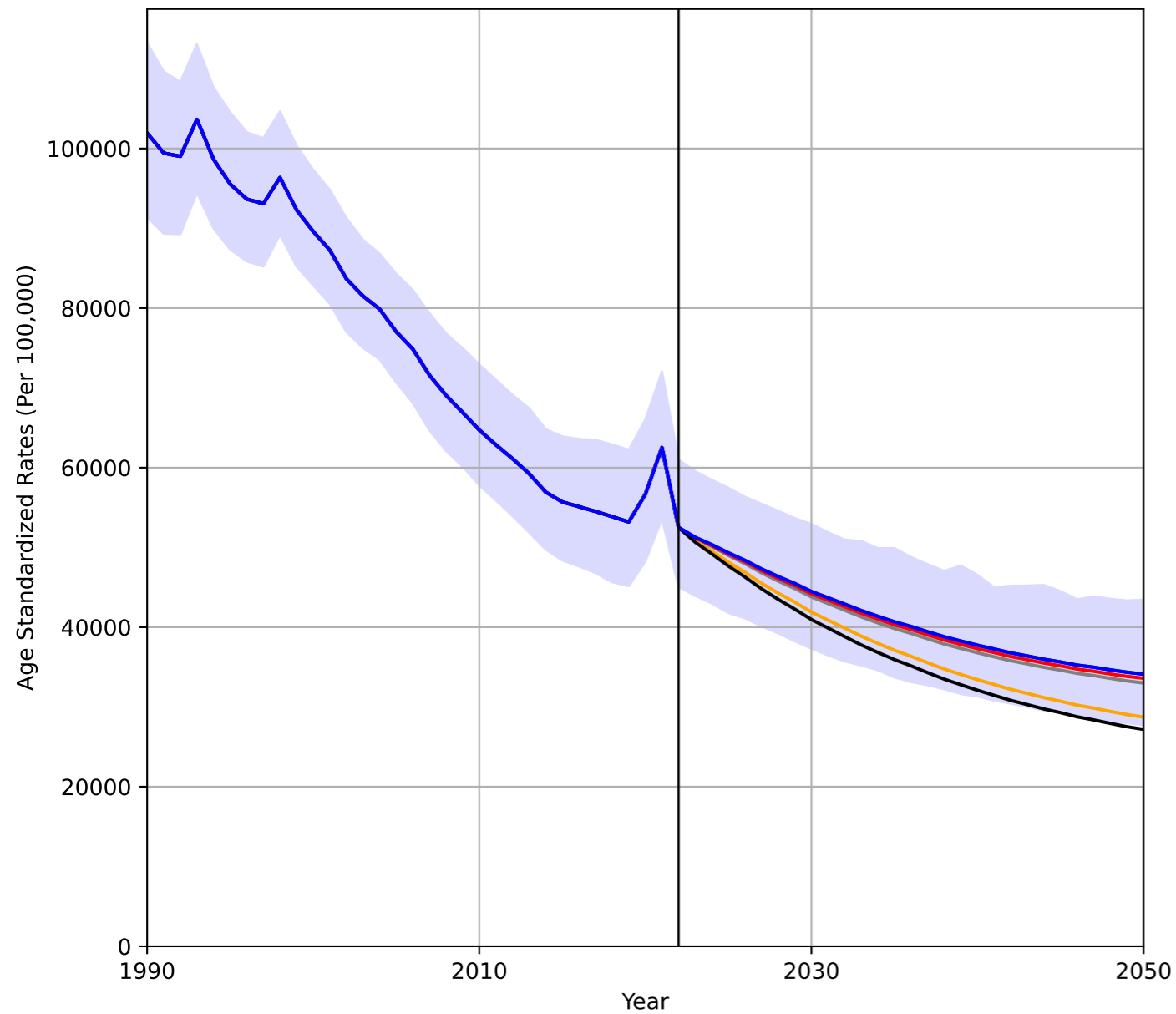
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# Angola

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

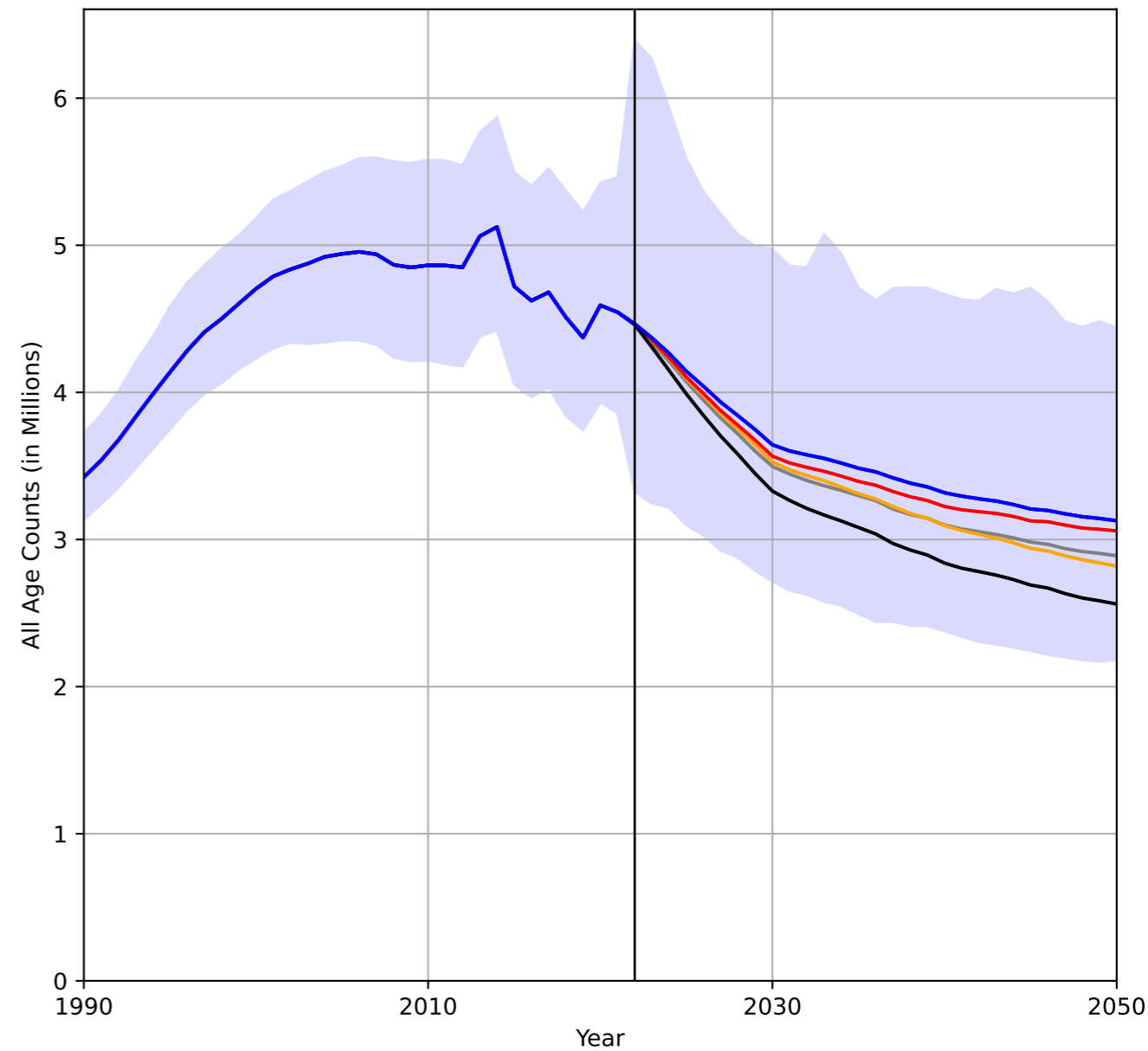
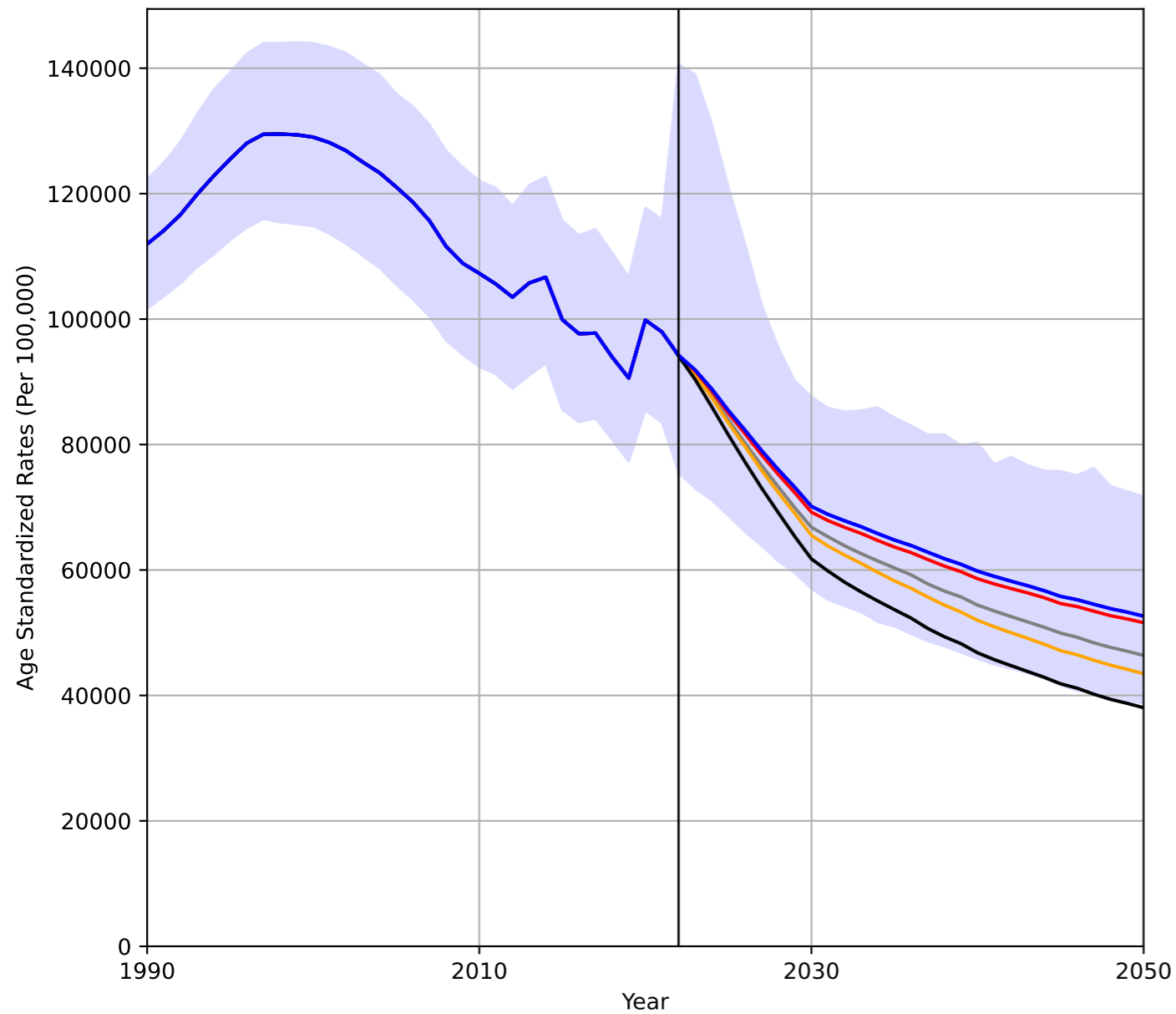
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# Central African Republic

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

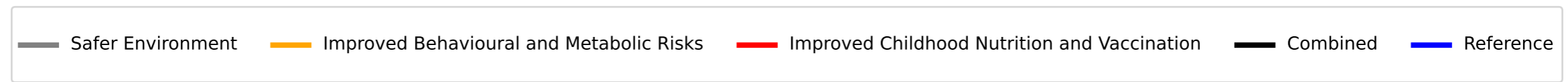
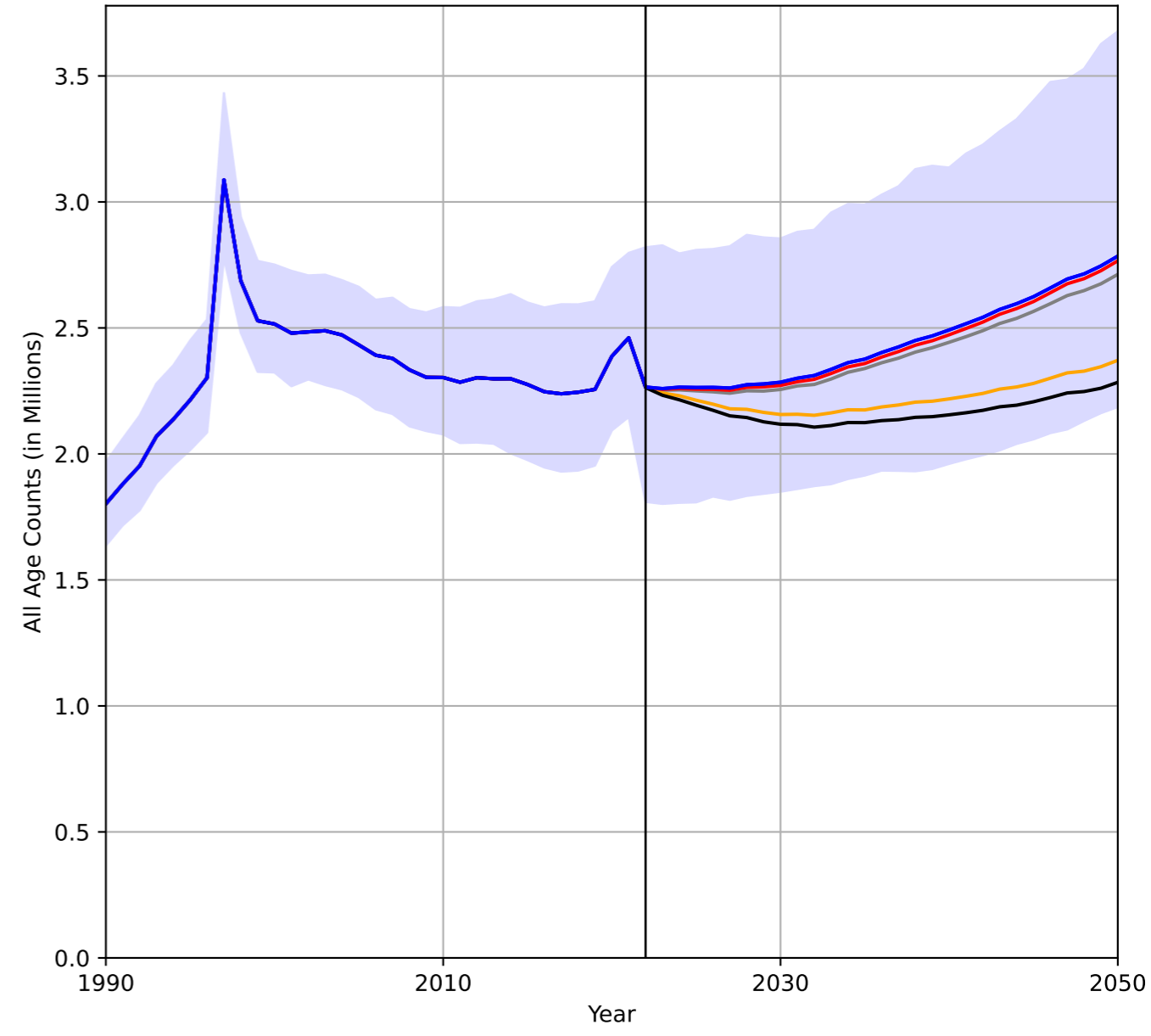
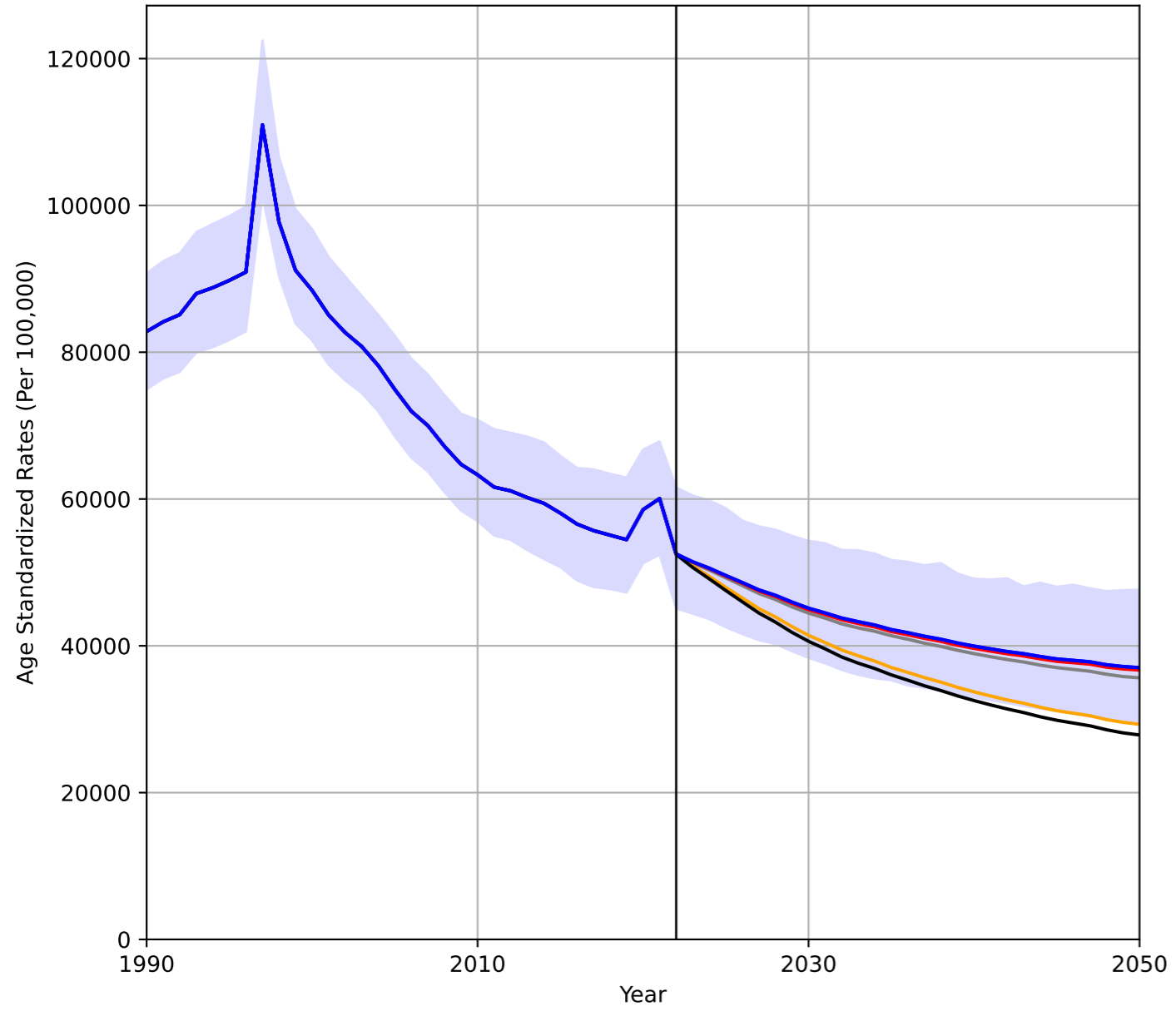
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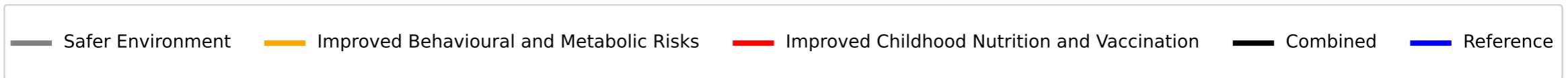
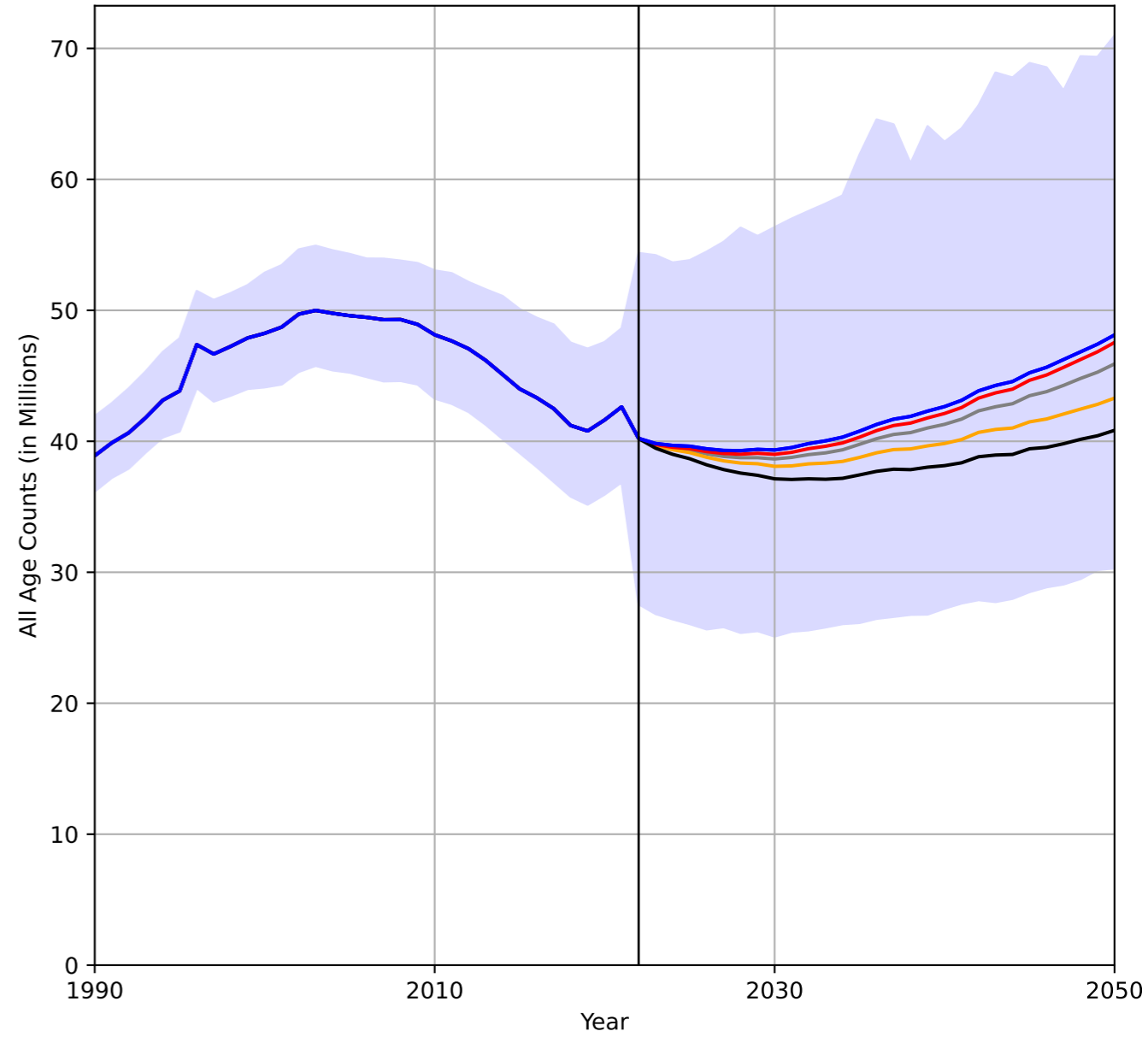
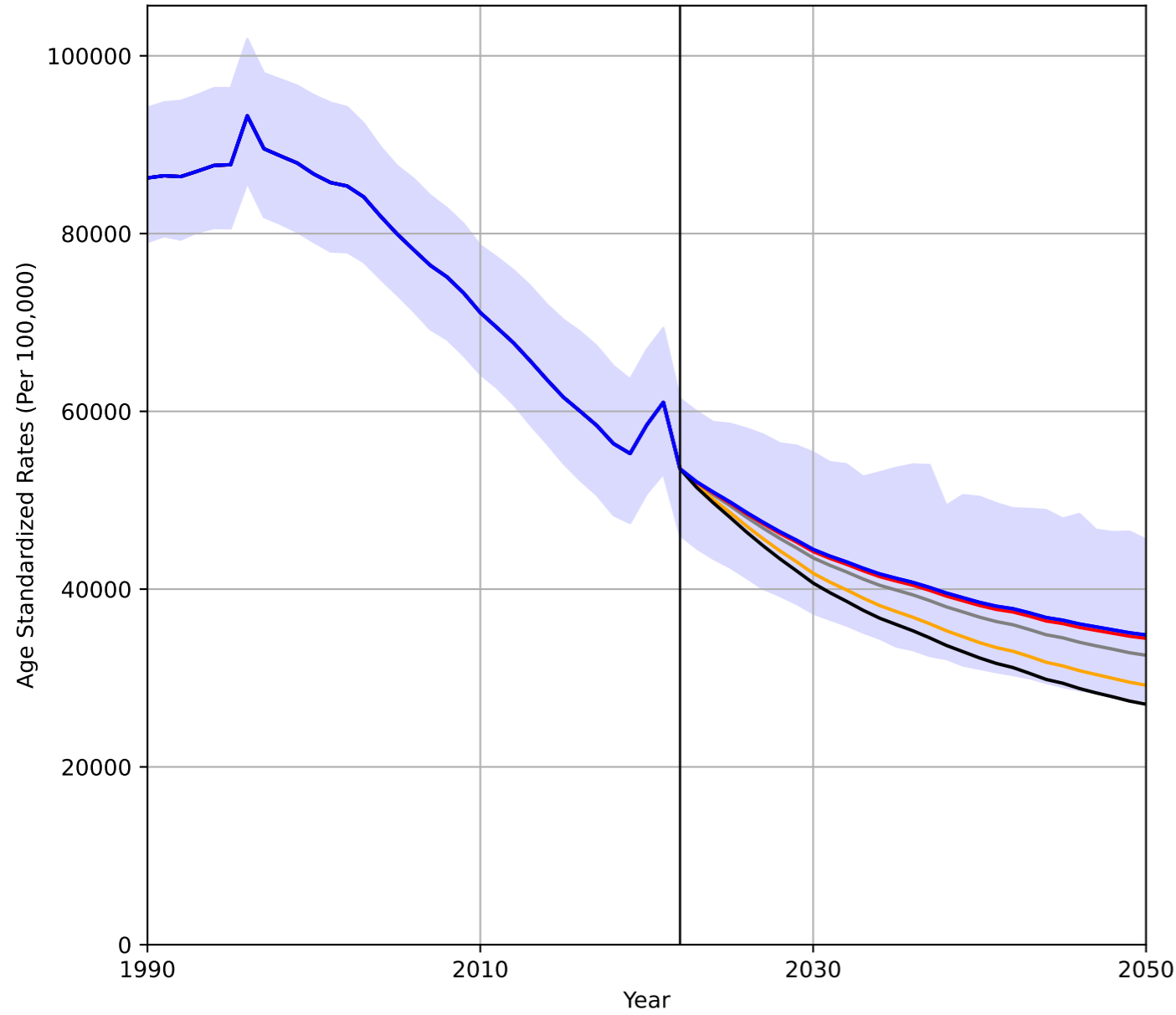
# Congo (Brazzaville)

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1571



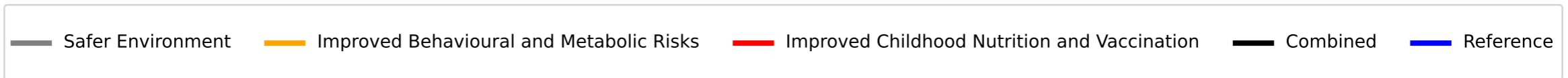
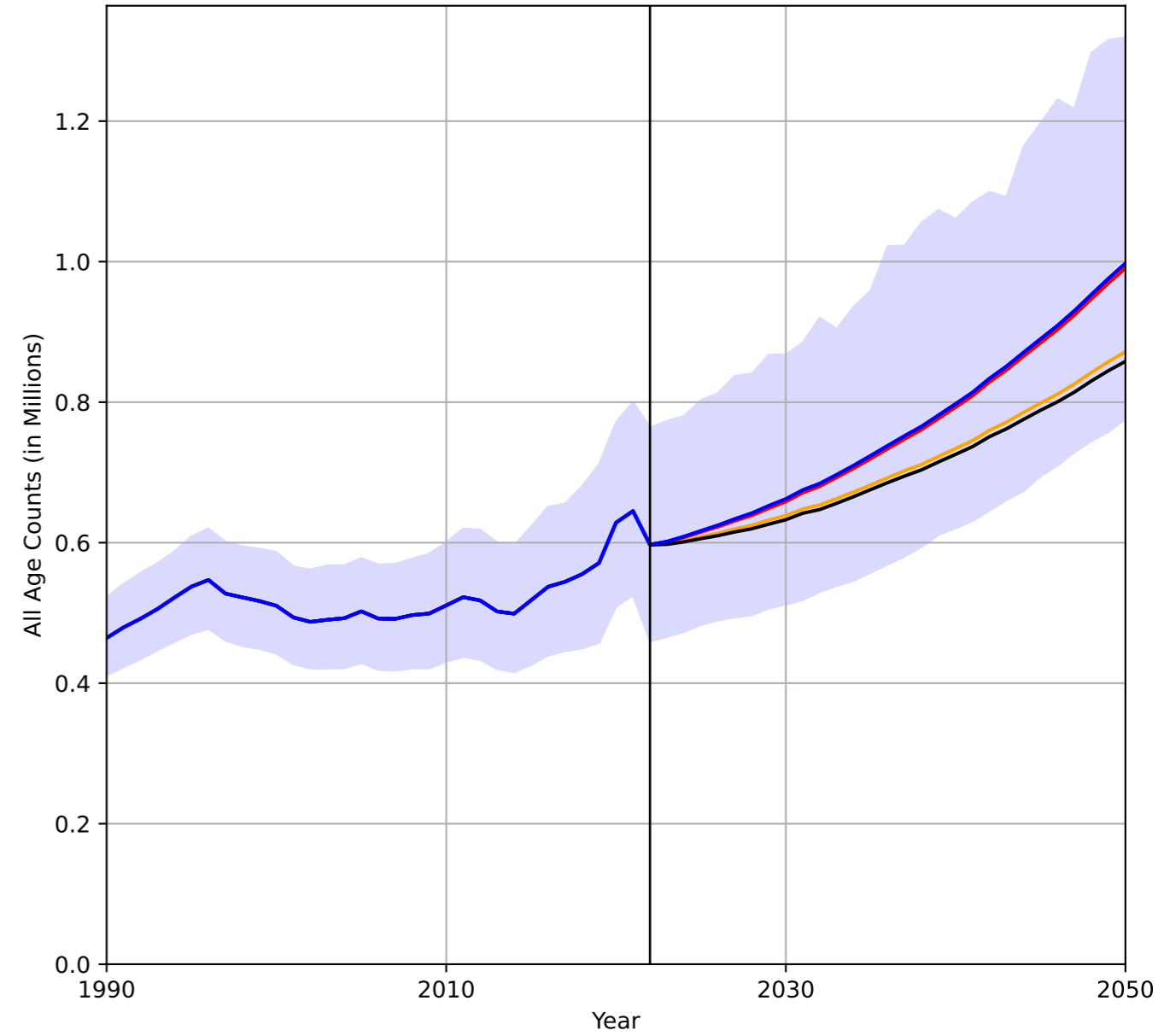
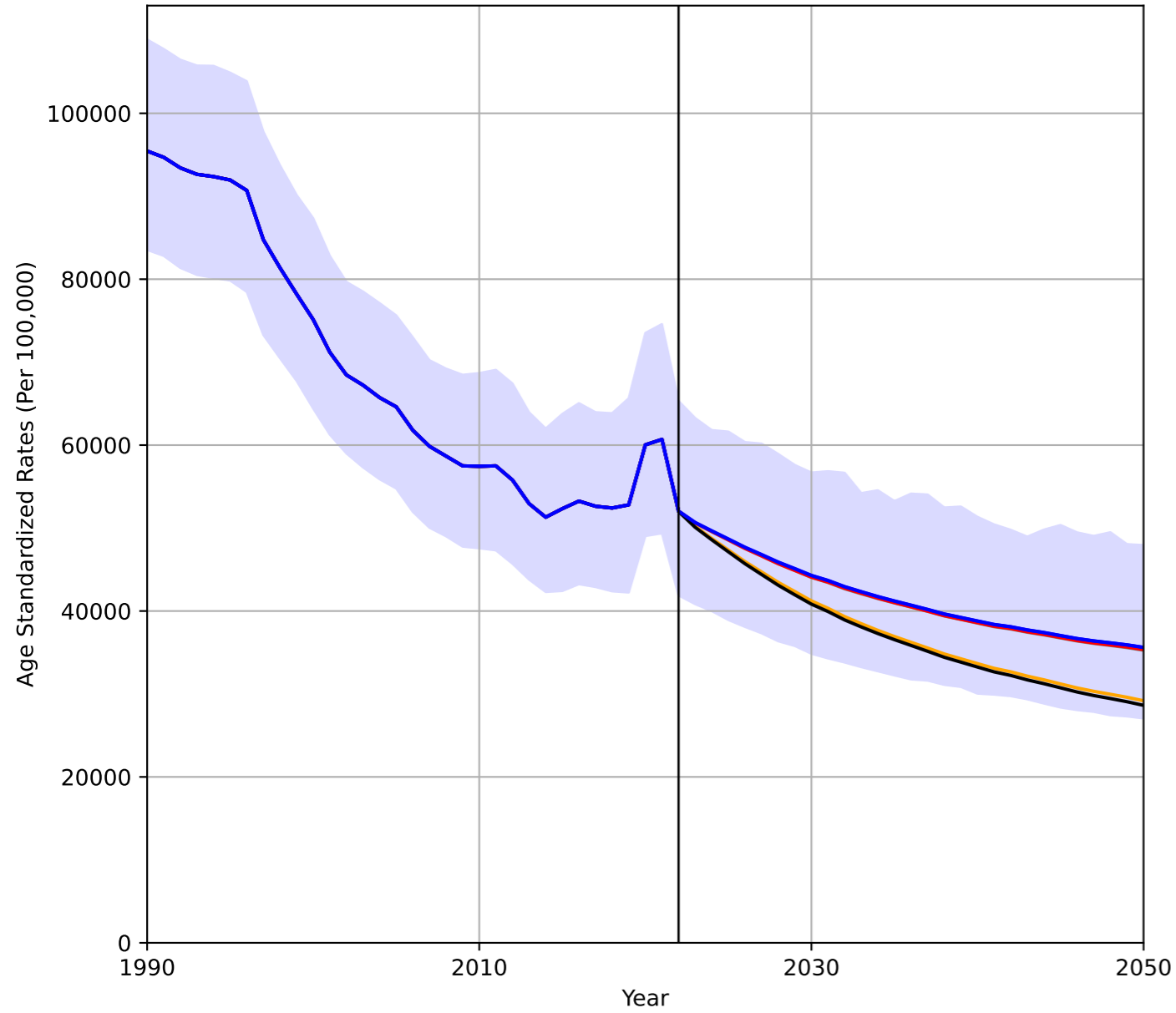
# DR Congo



# Equatorial Guinea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

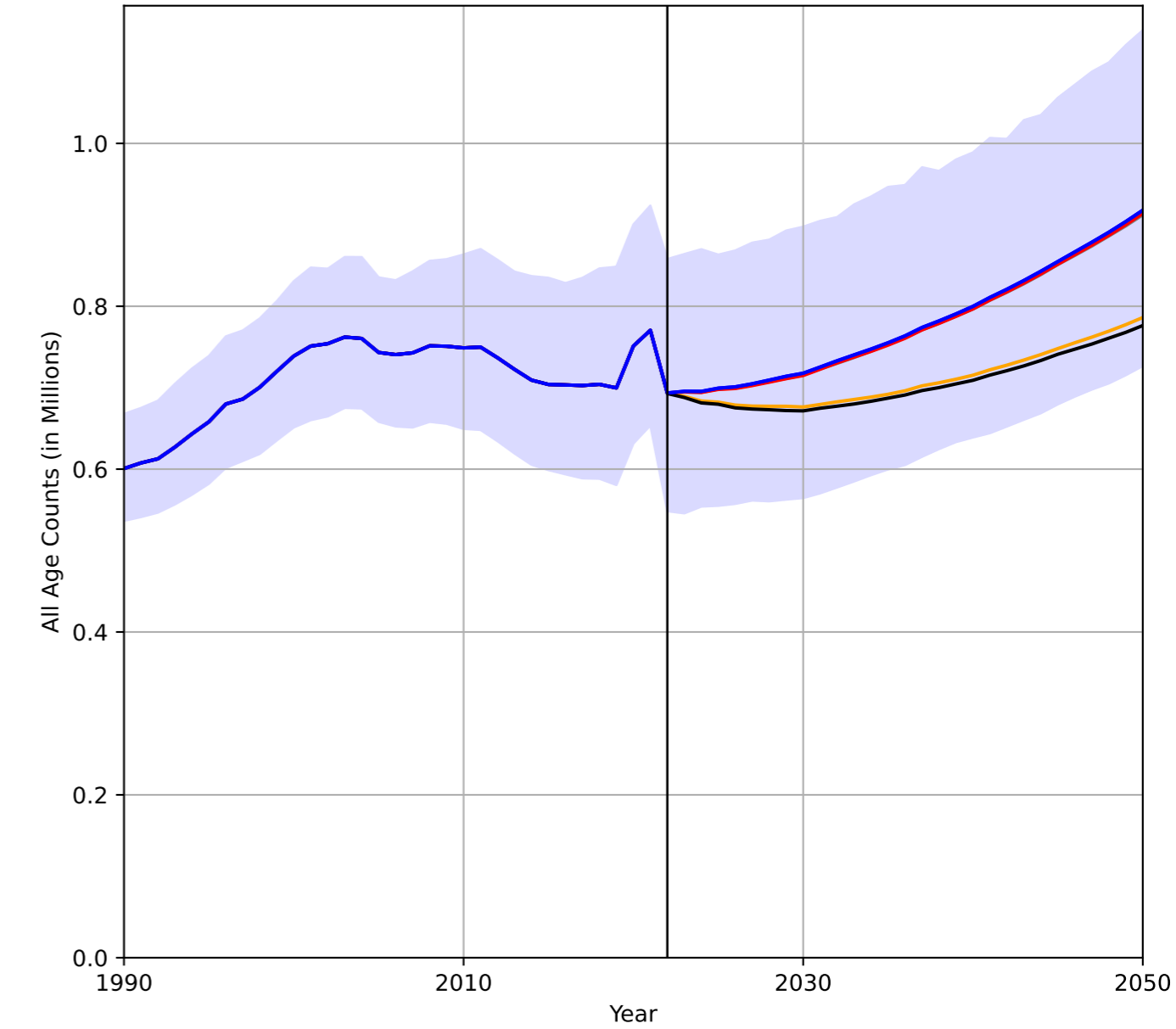
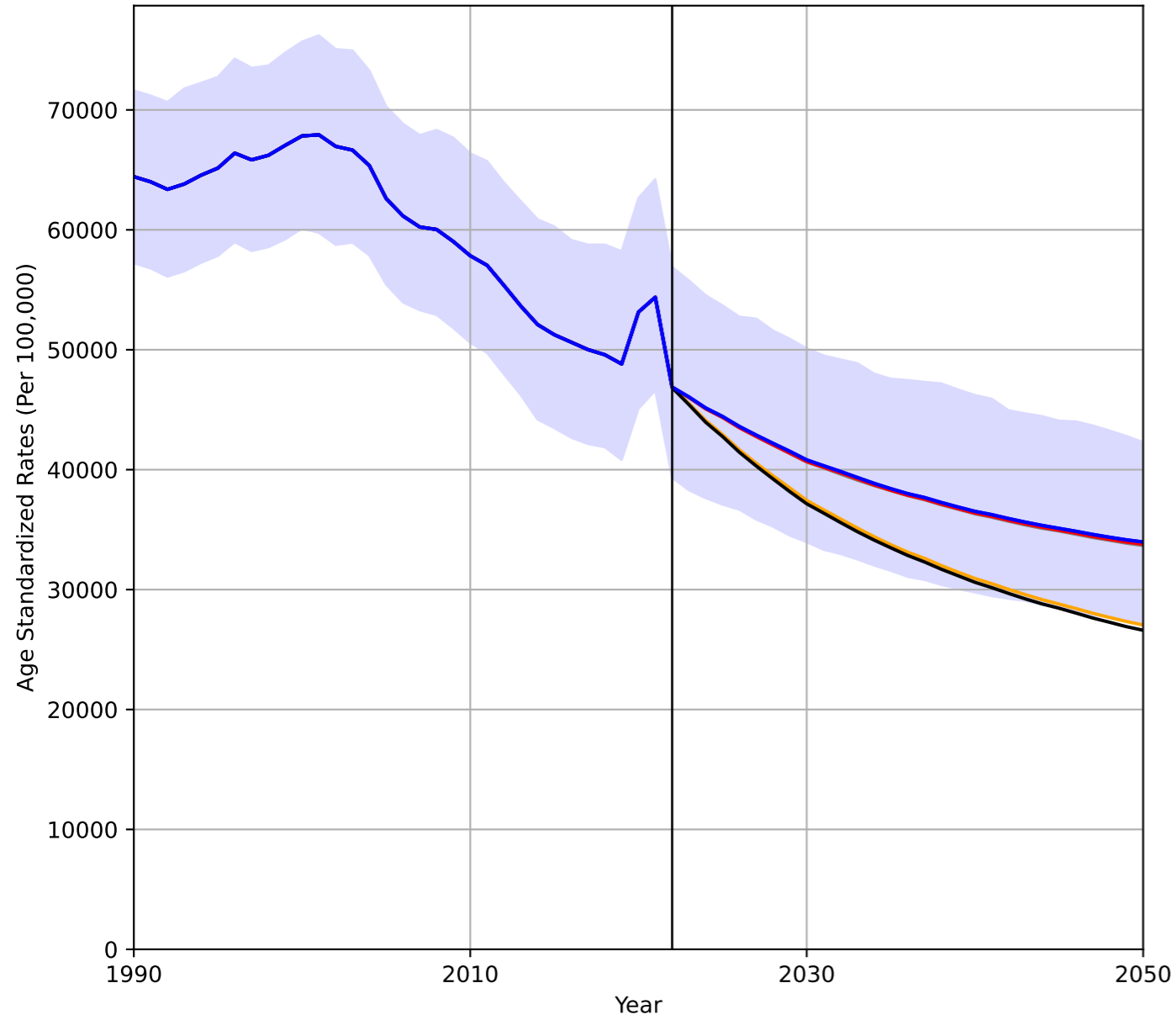
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# Gabon

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

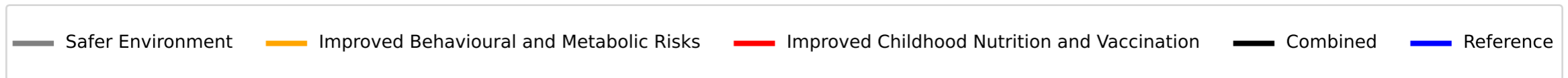
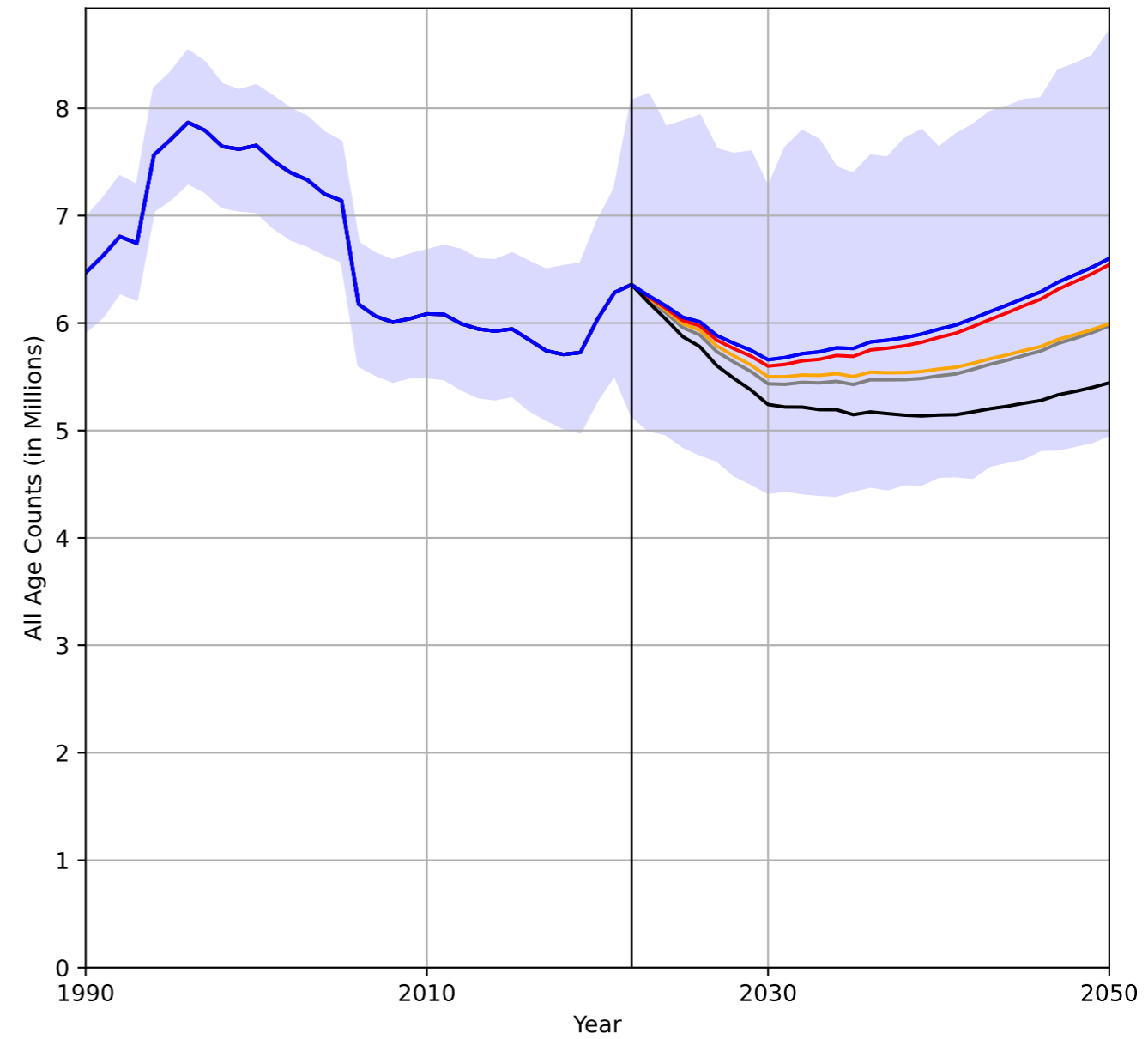
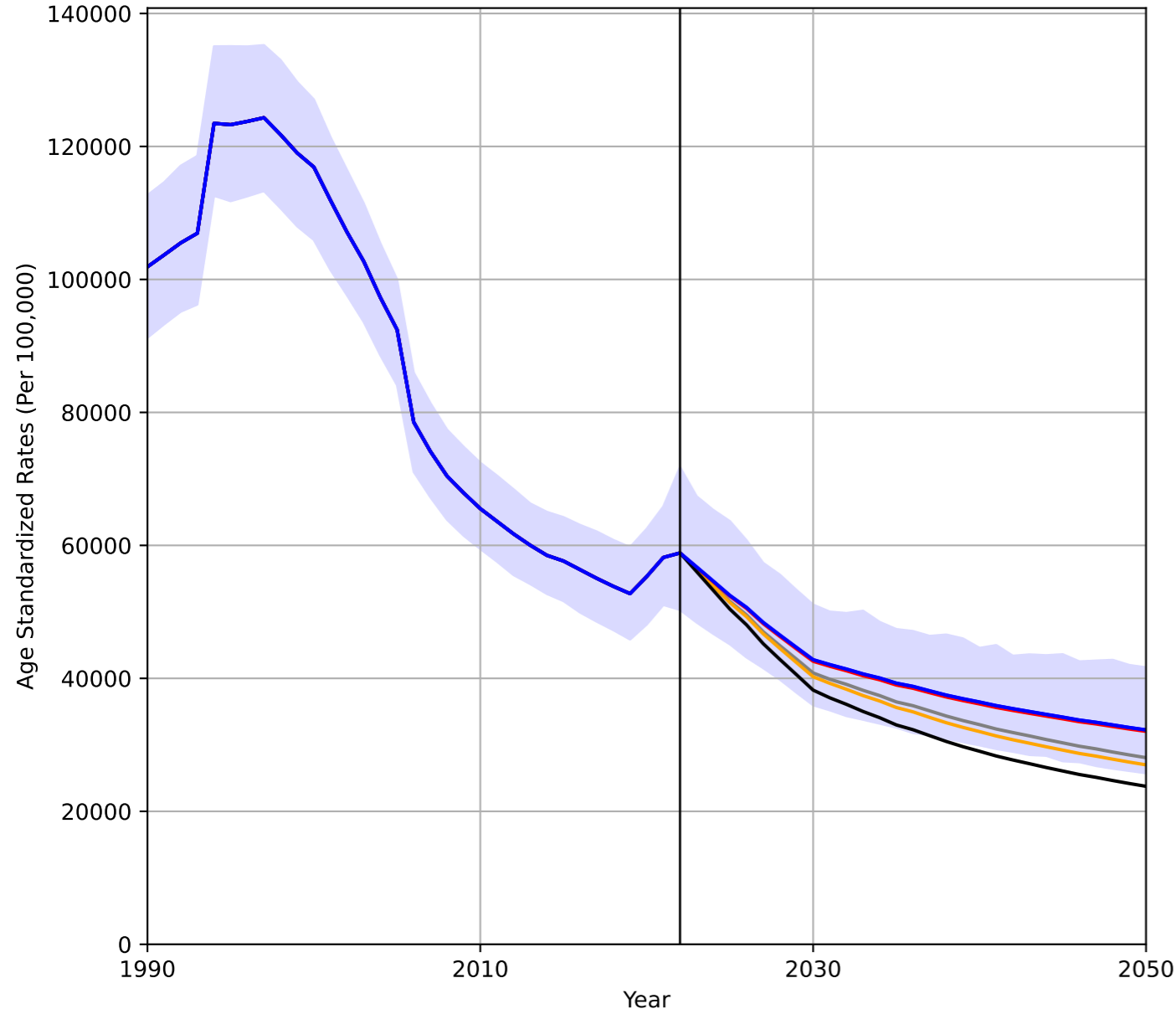
1574



# Burundi

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1575

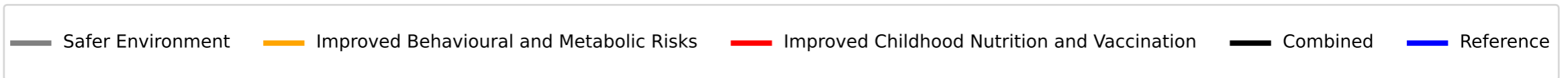
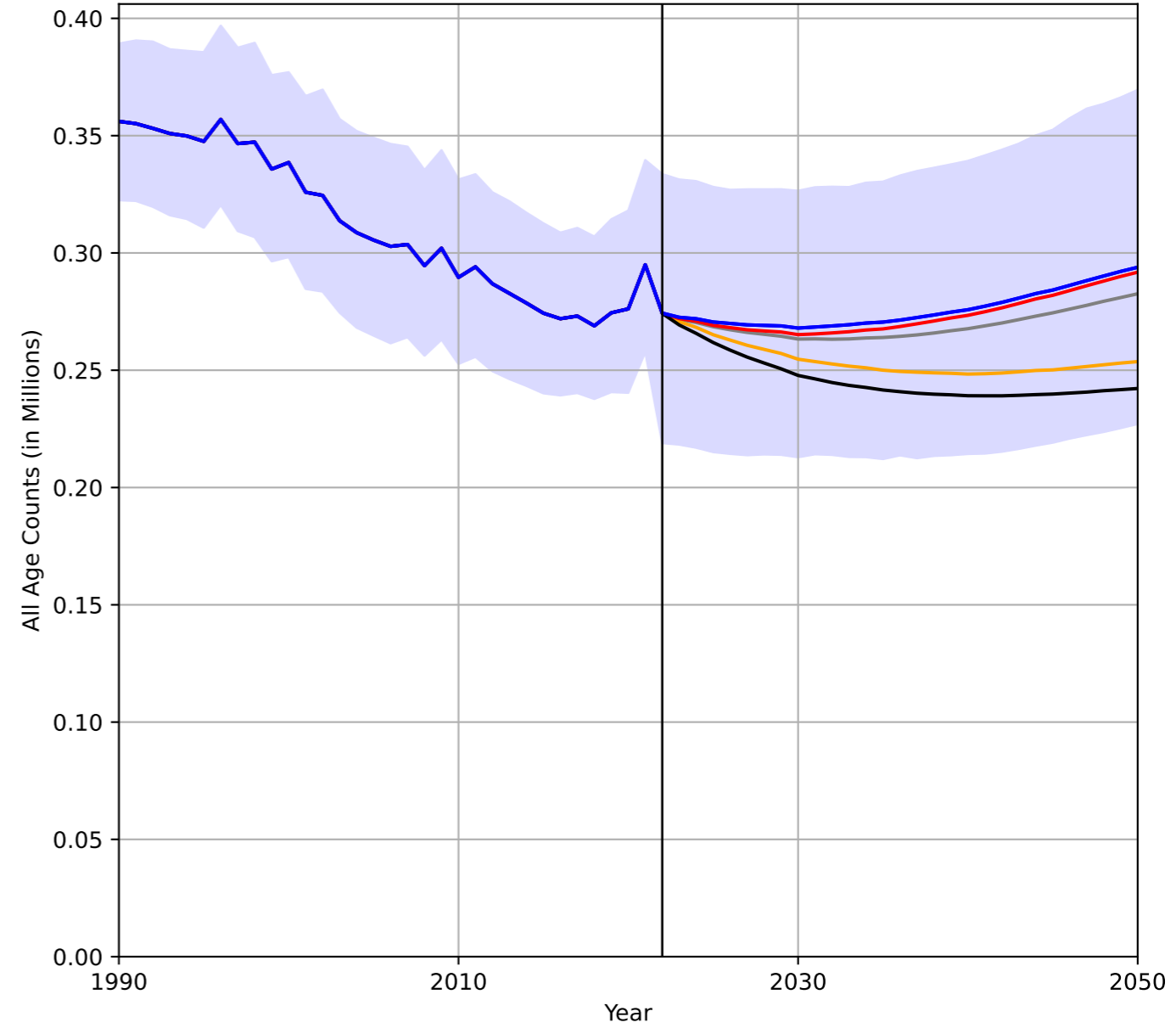
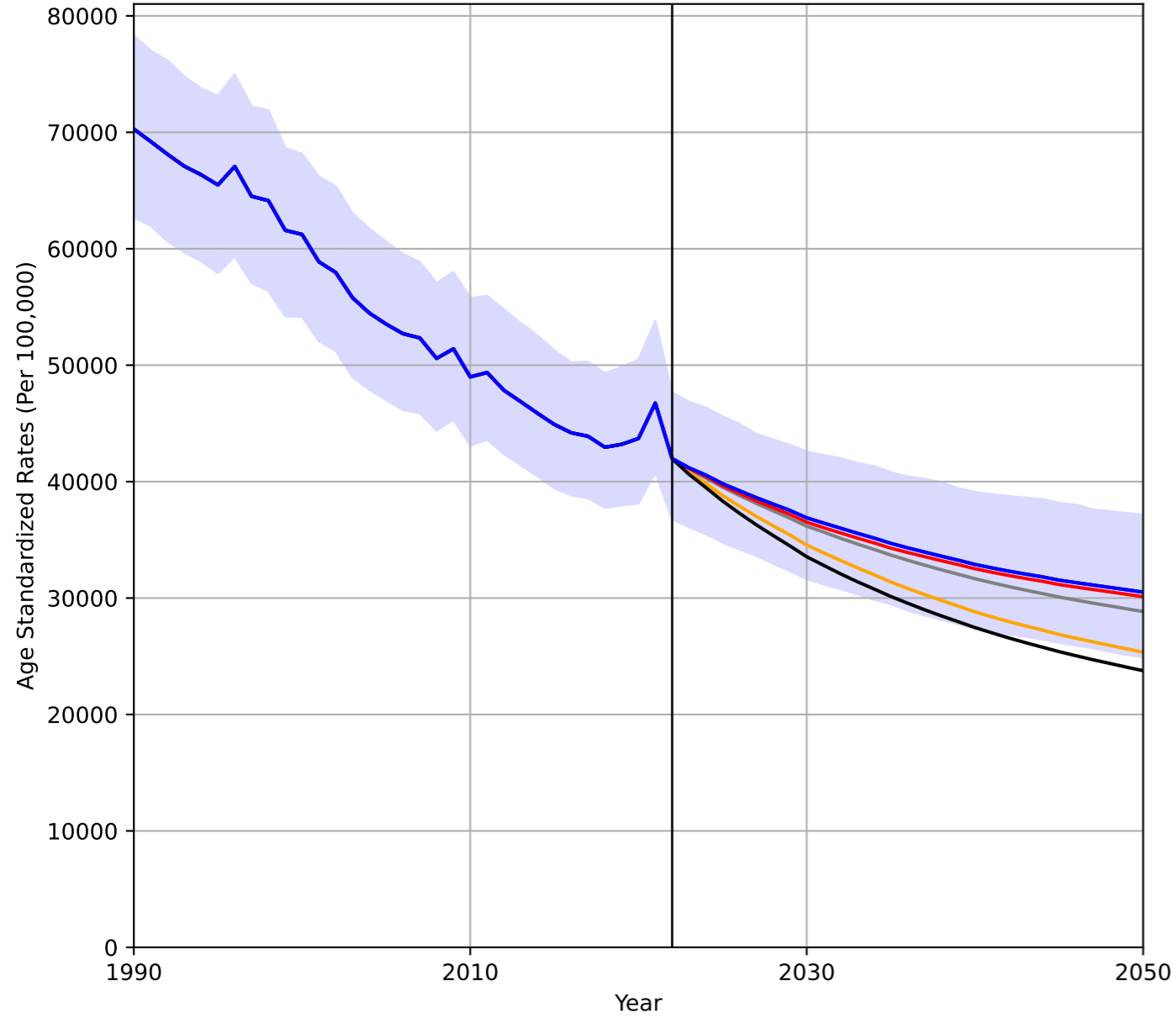




# Comoros

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

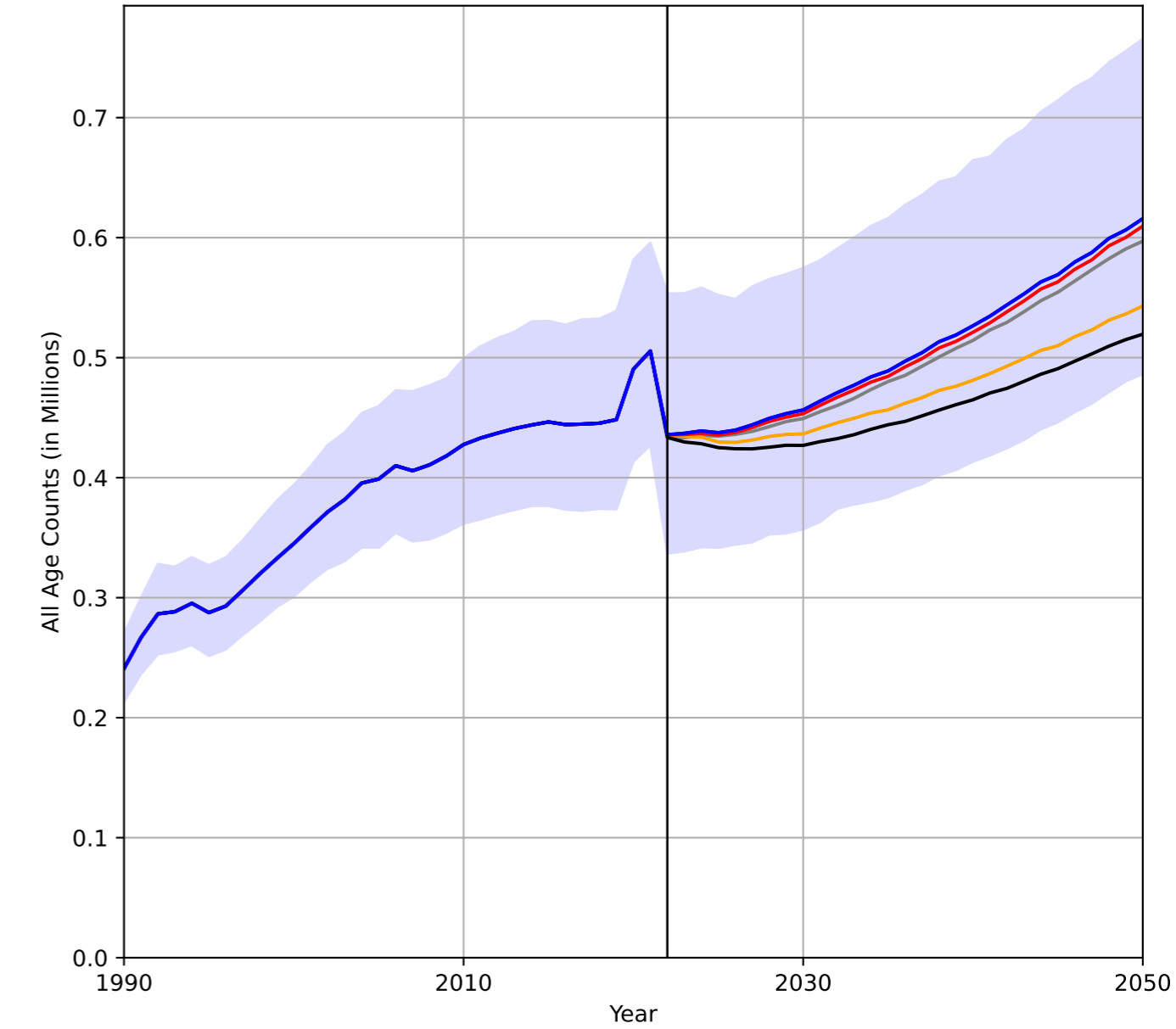
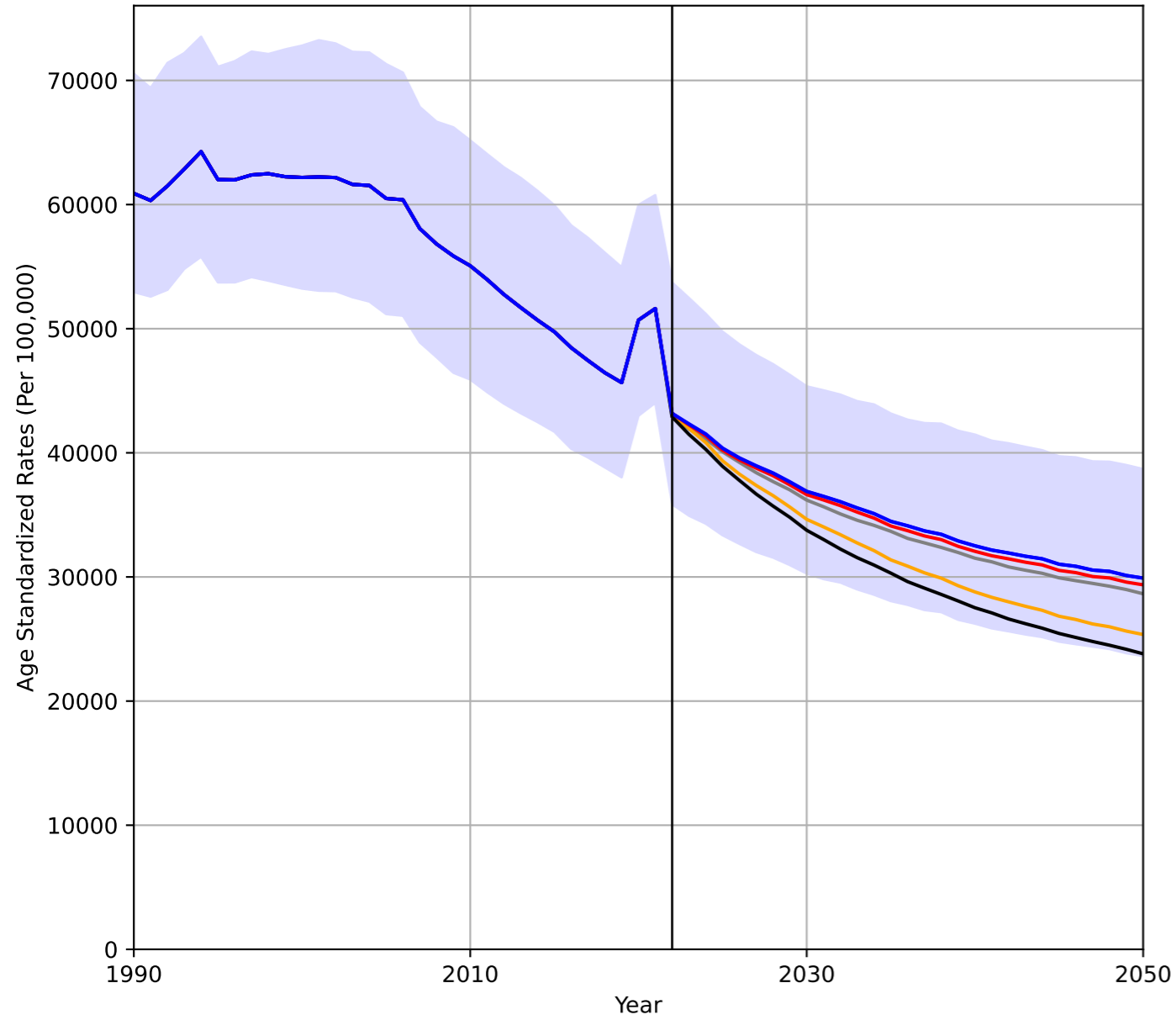
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# Djibouti

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

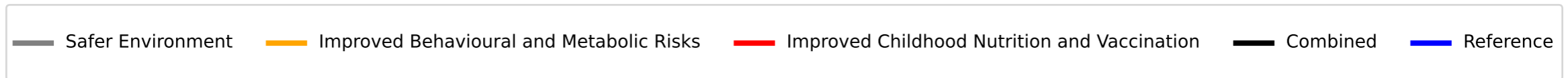
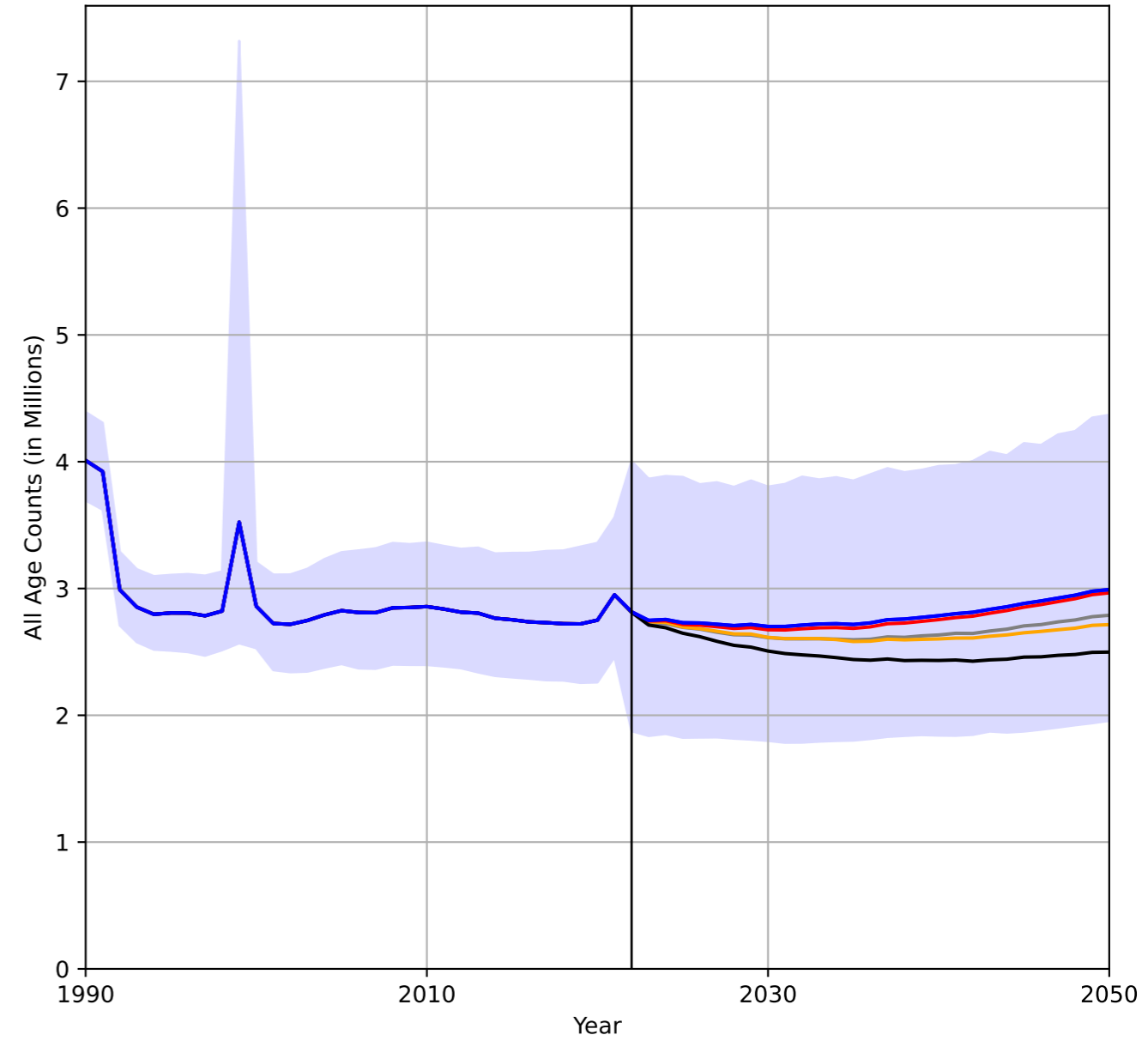
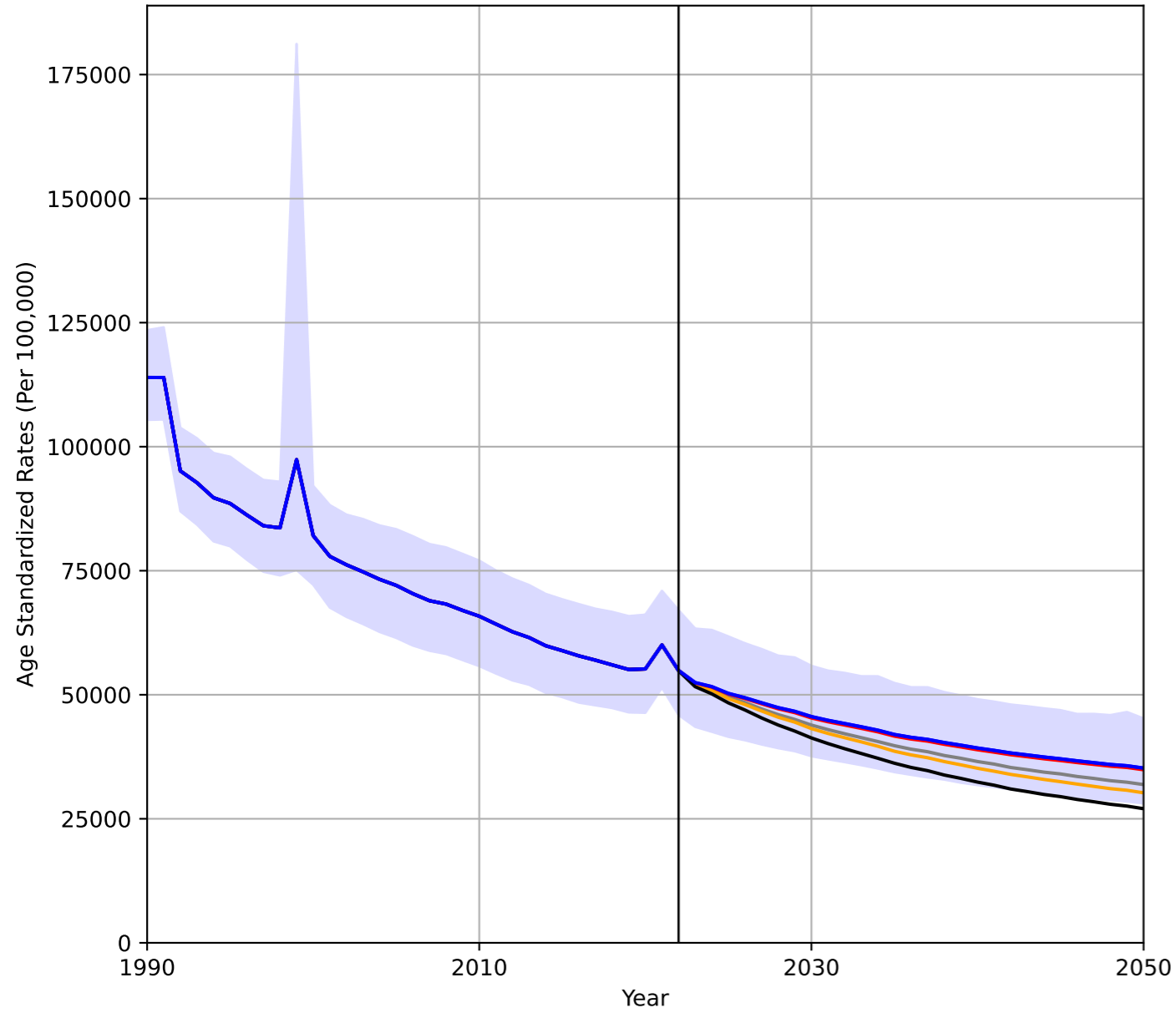
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# Eritrea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

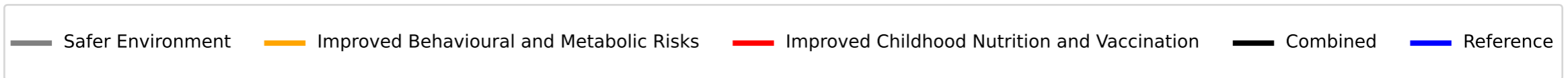
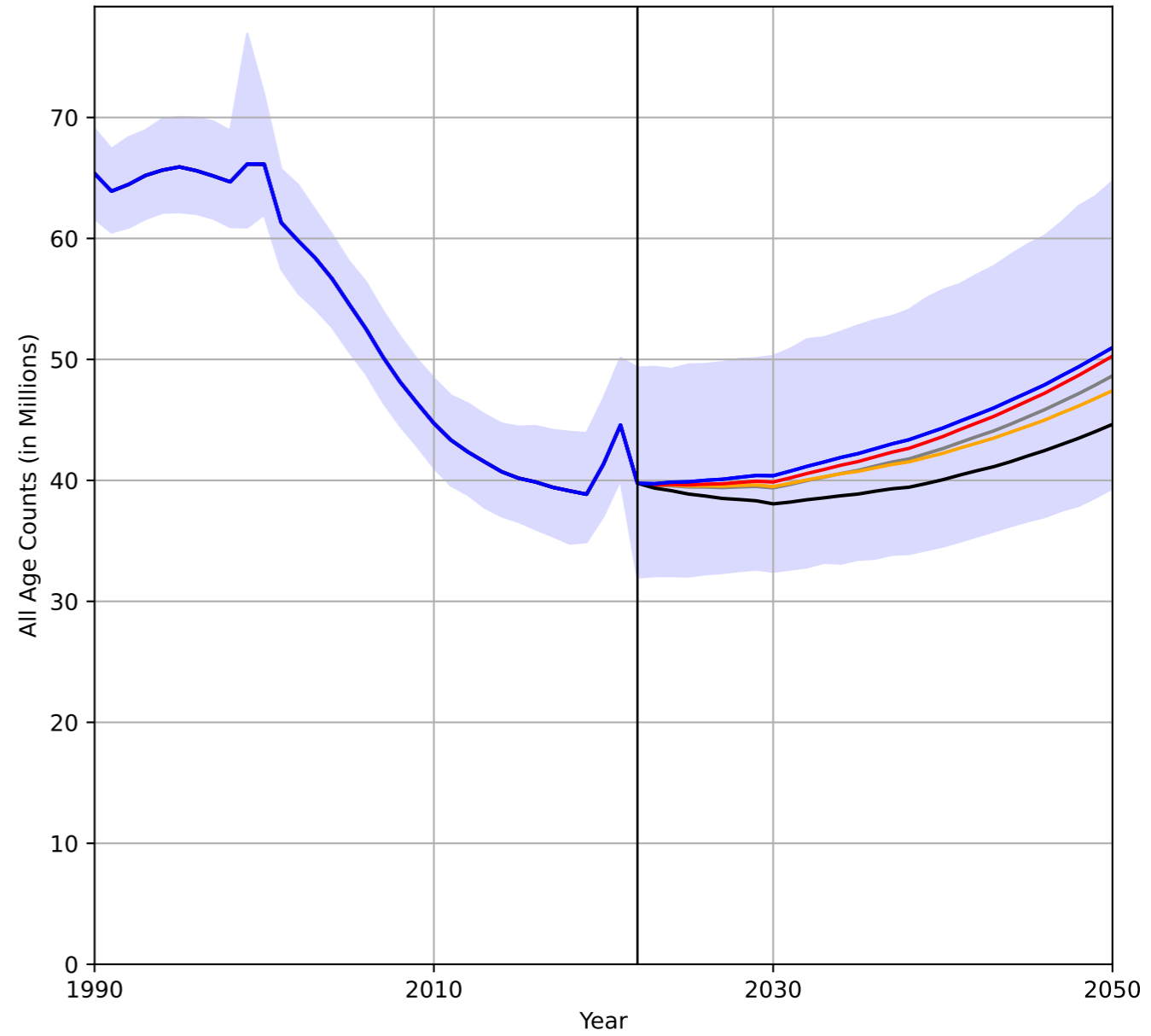
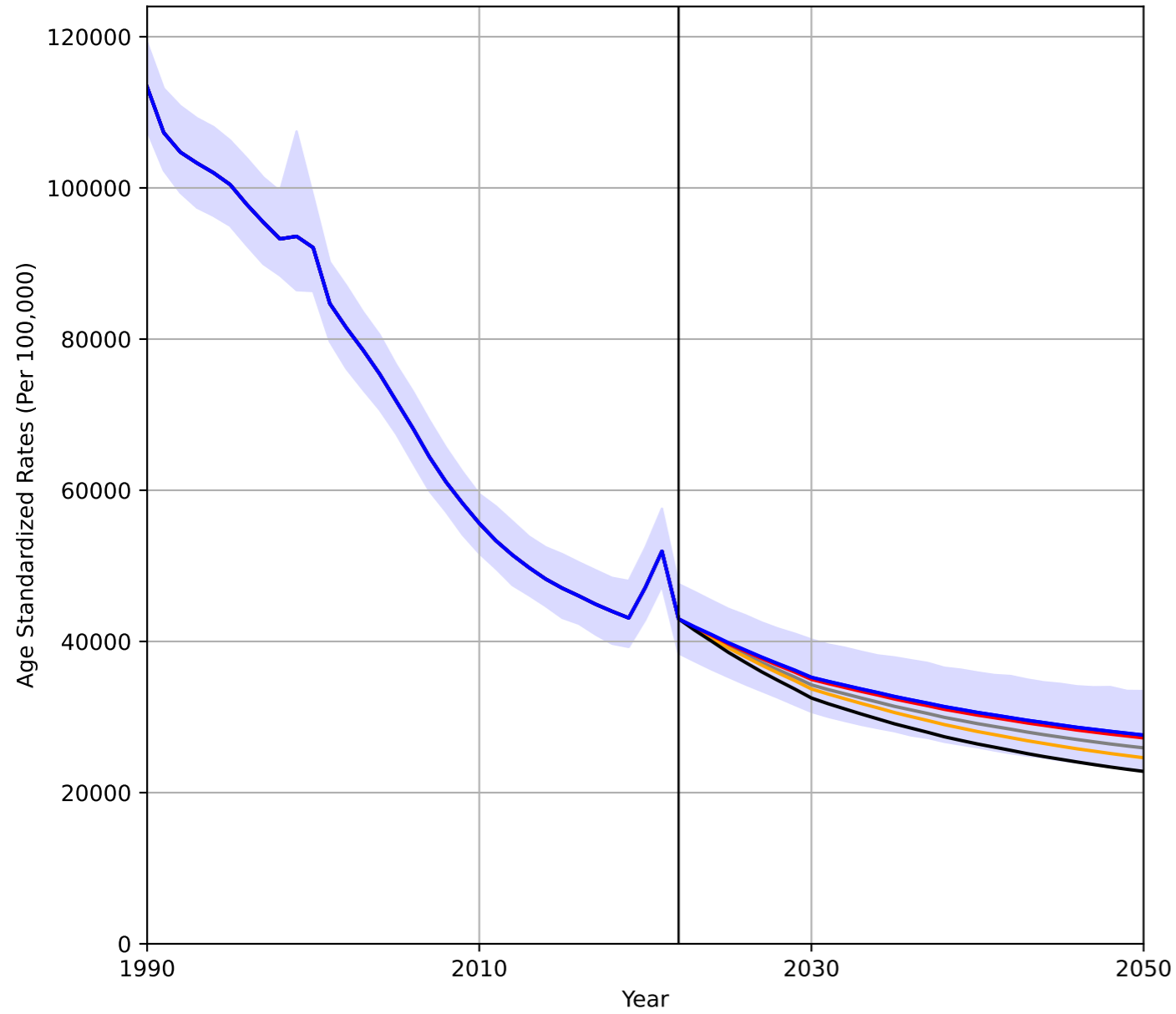
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# Ethiopia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

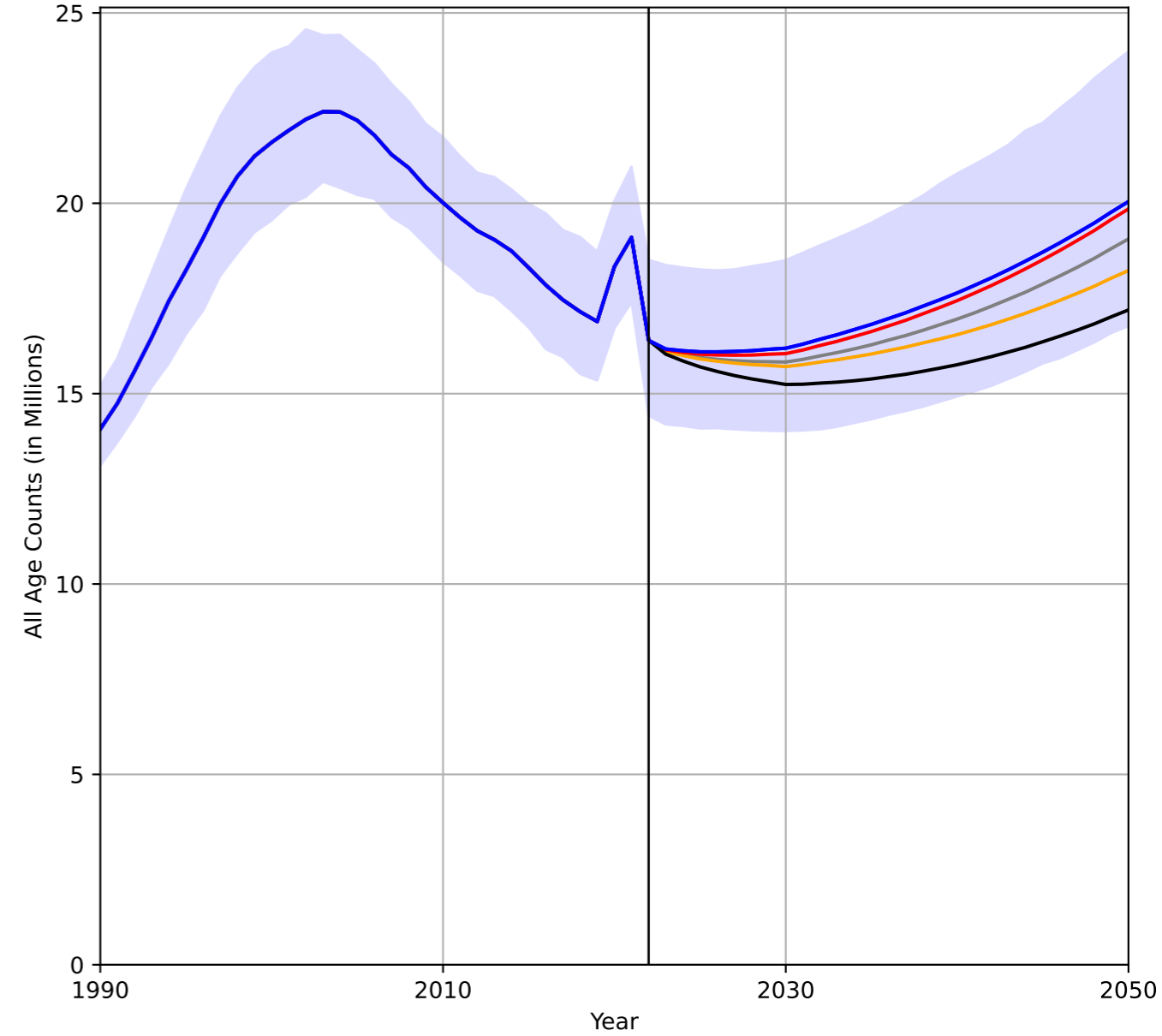
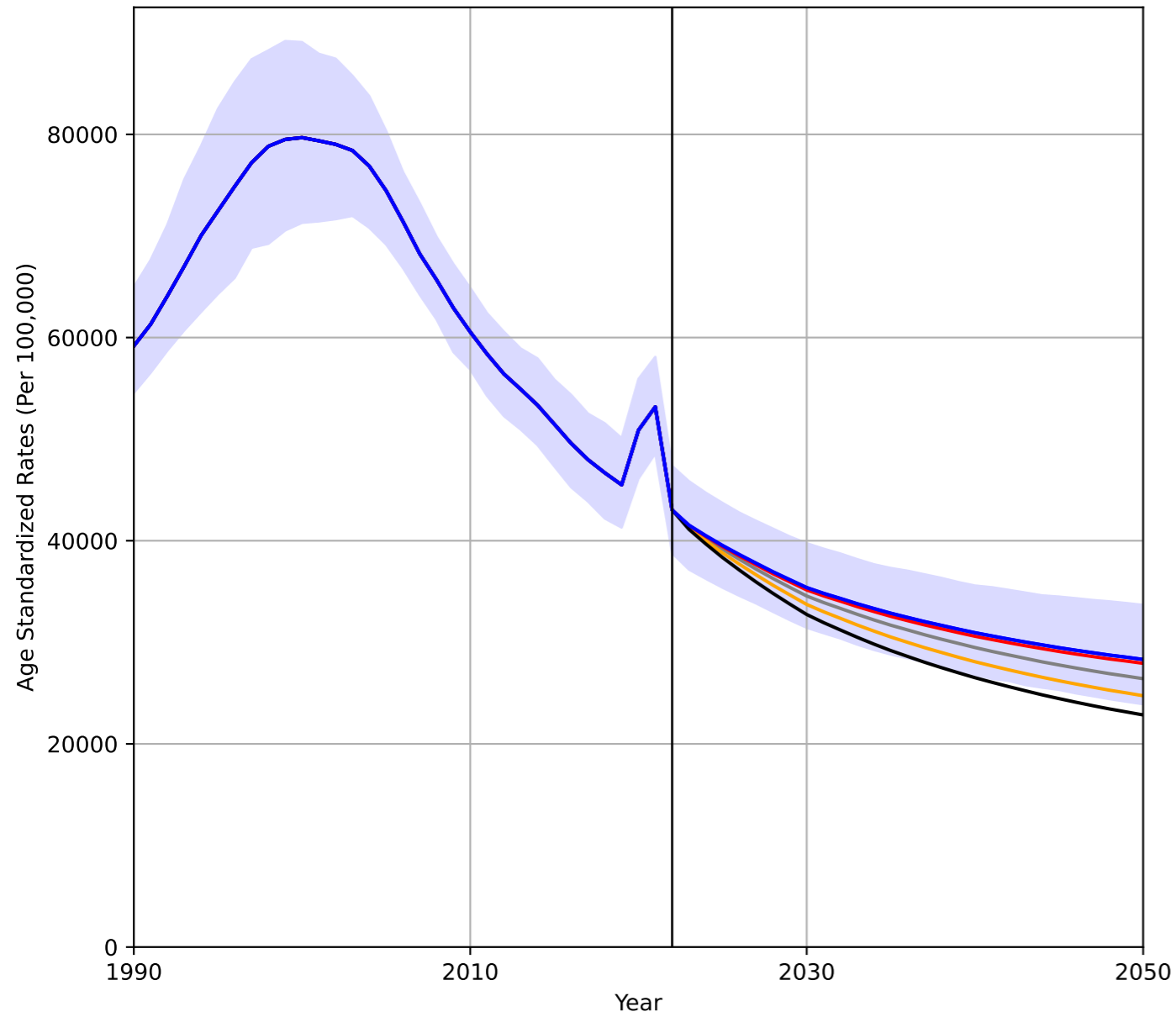
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# Kenya

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

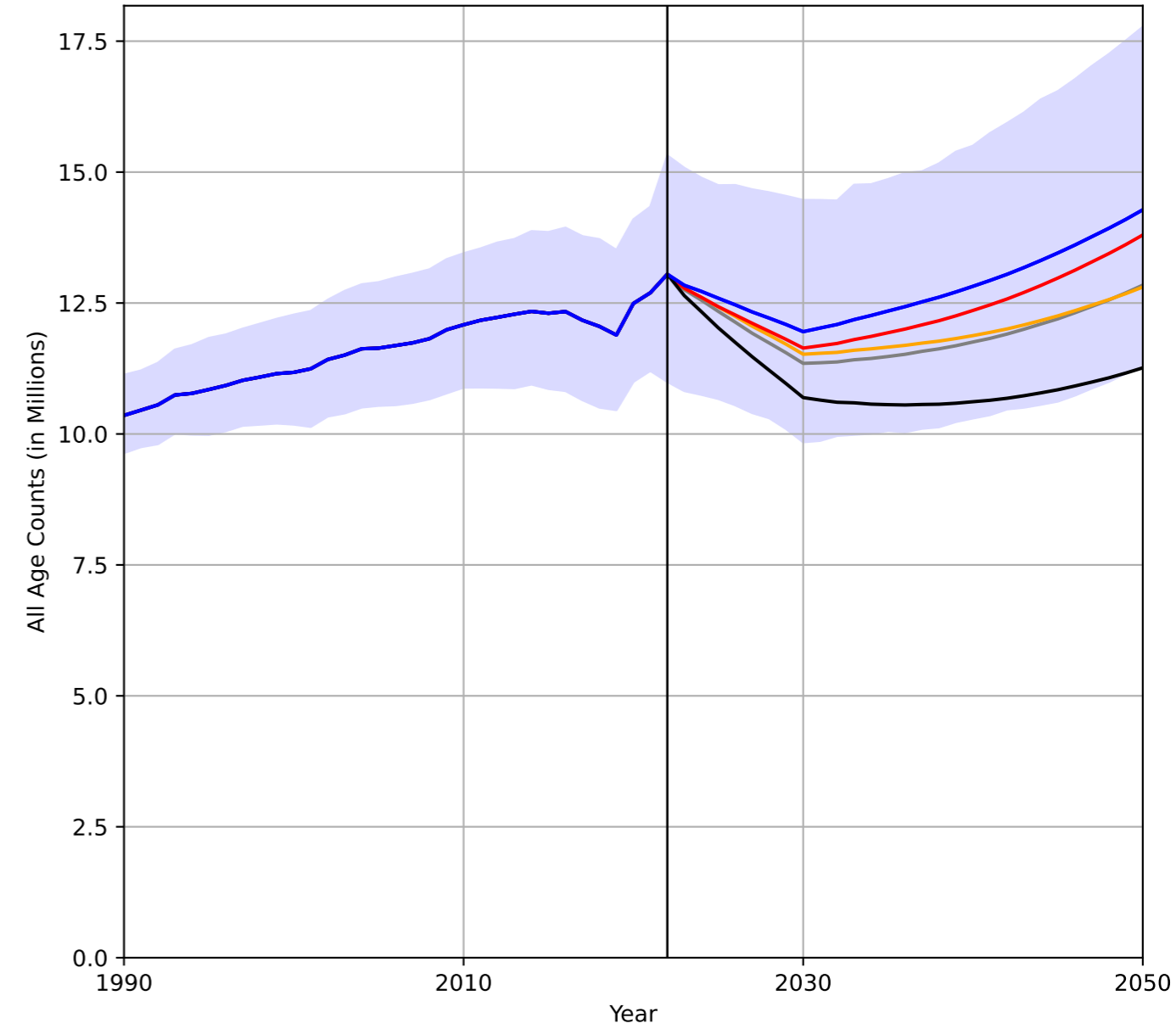
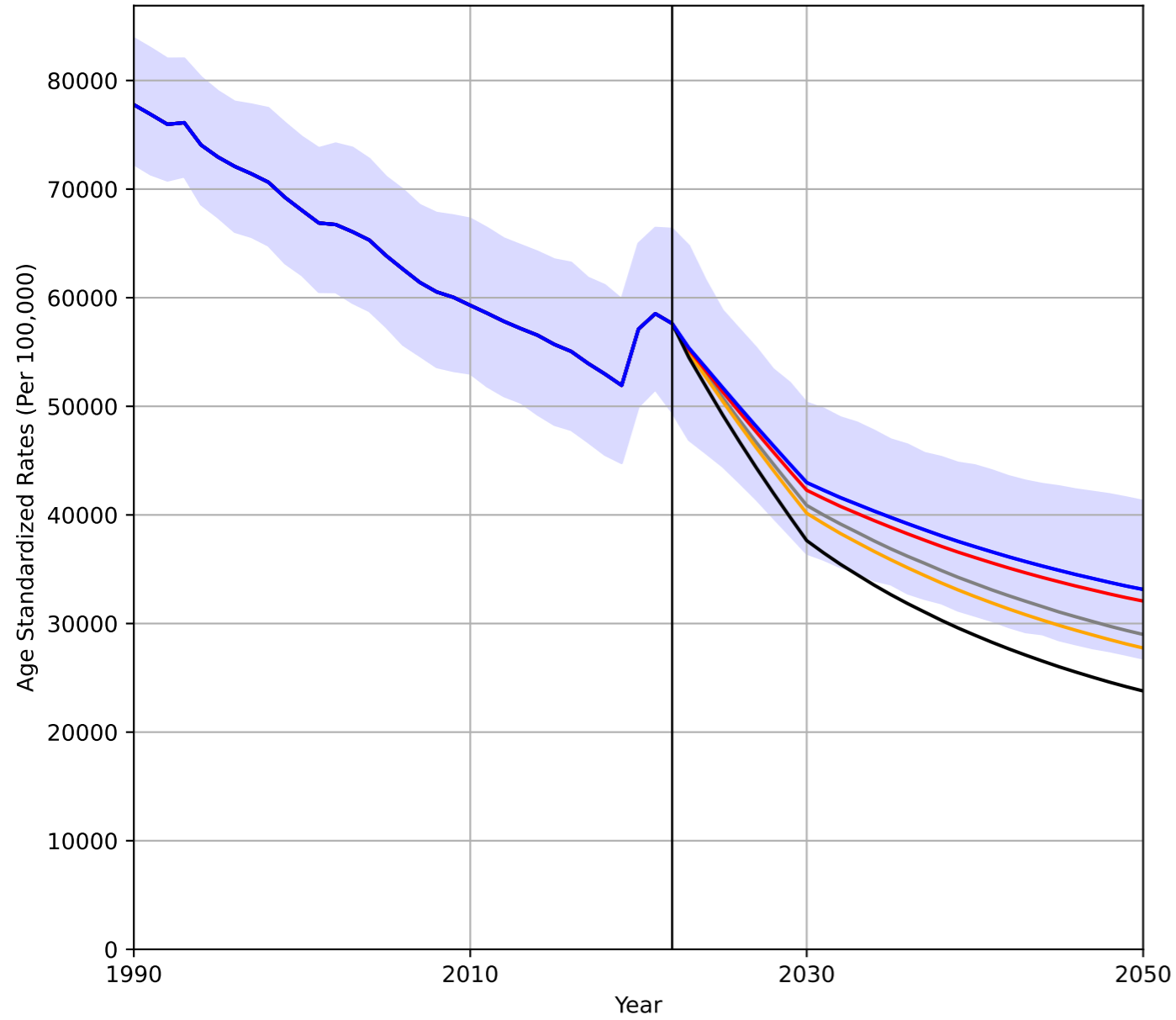
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# Madagascar

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

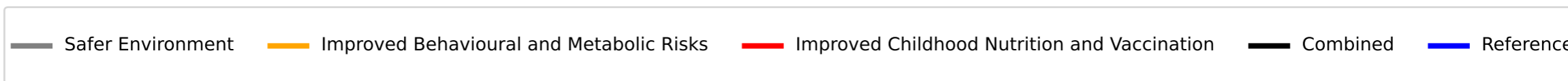
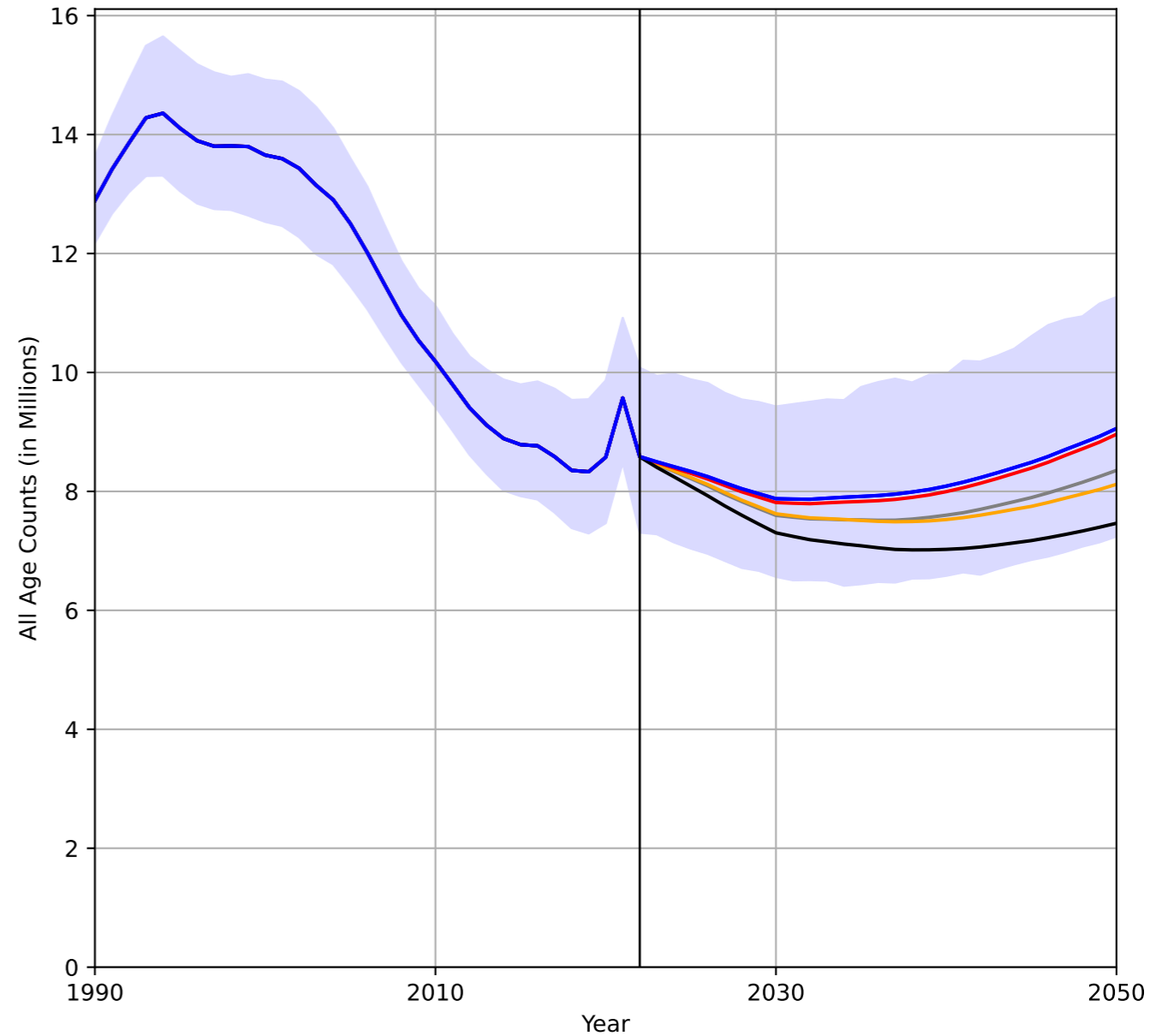
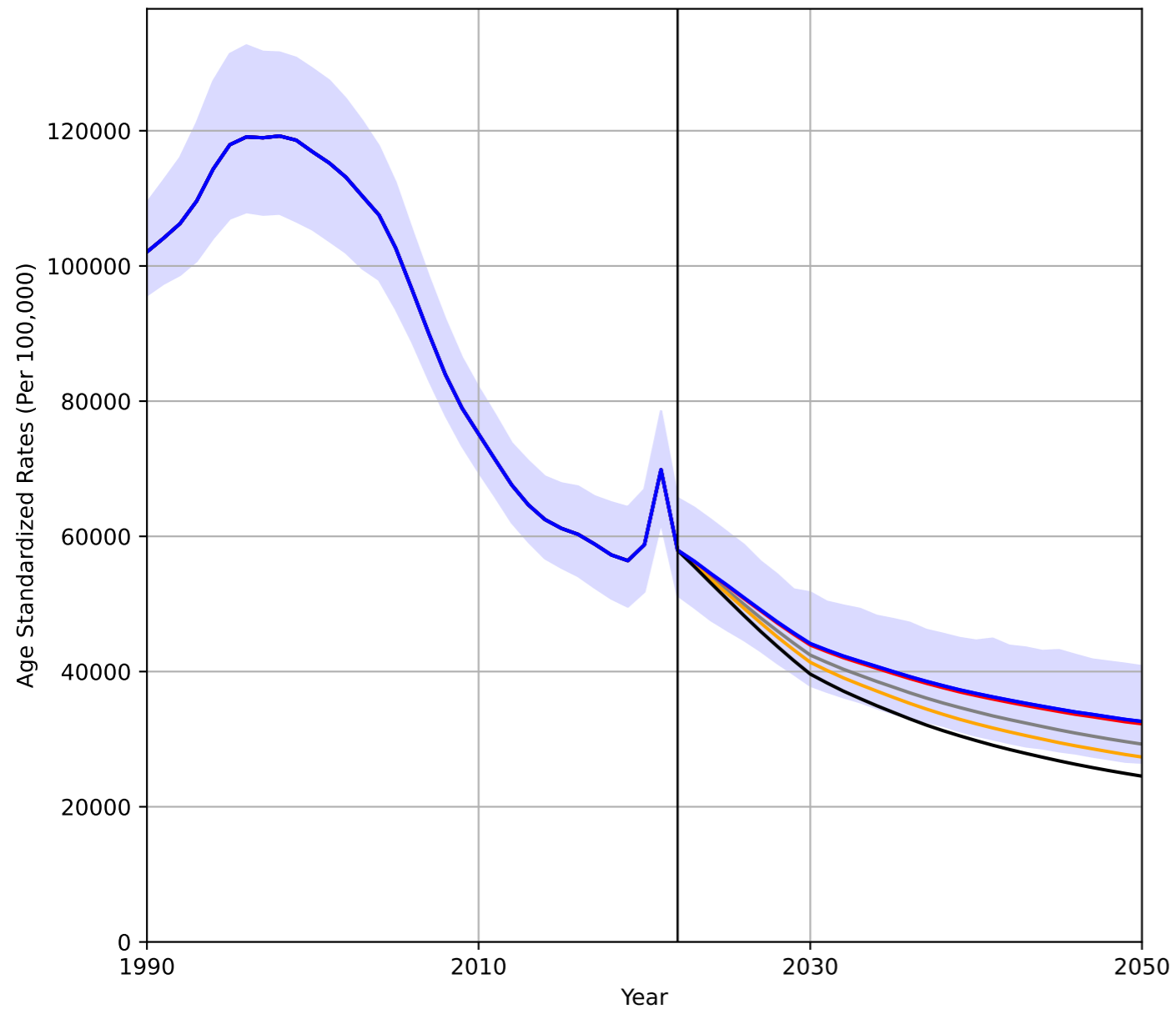
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# Malawi

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

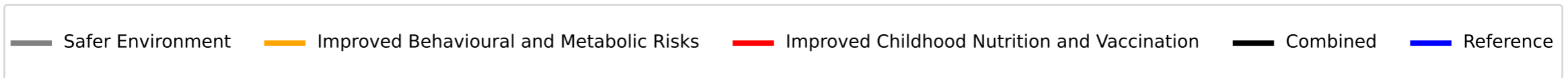
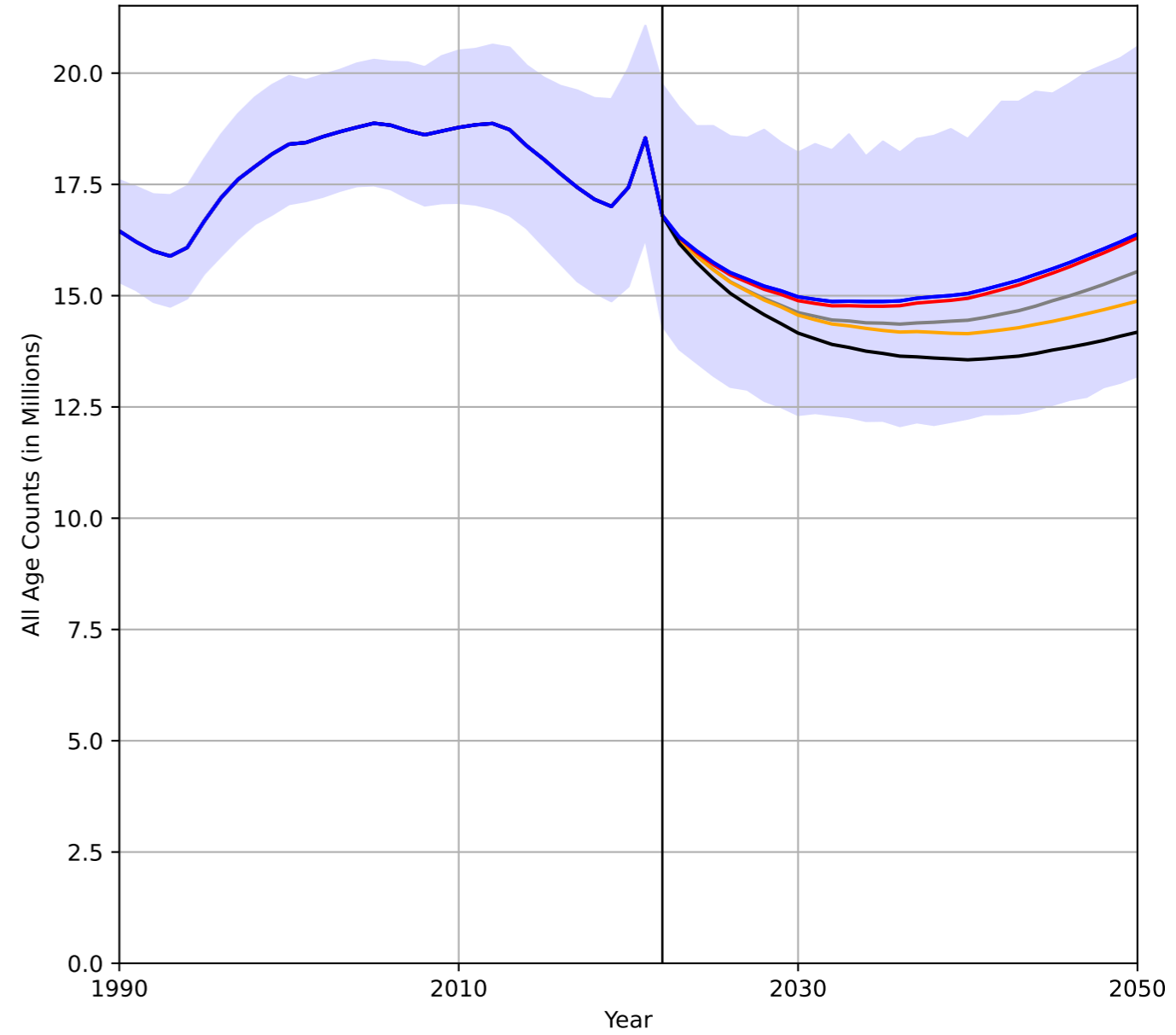
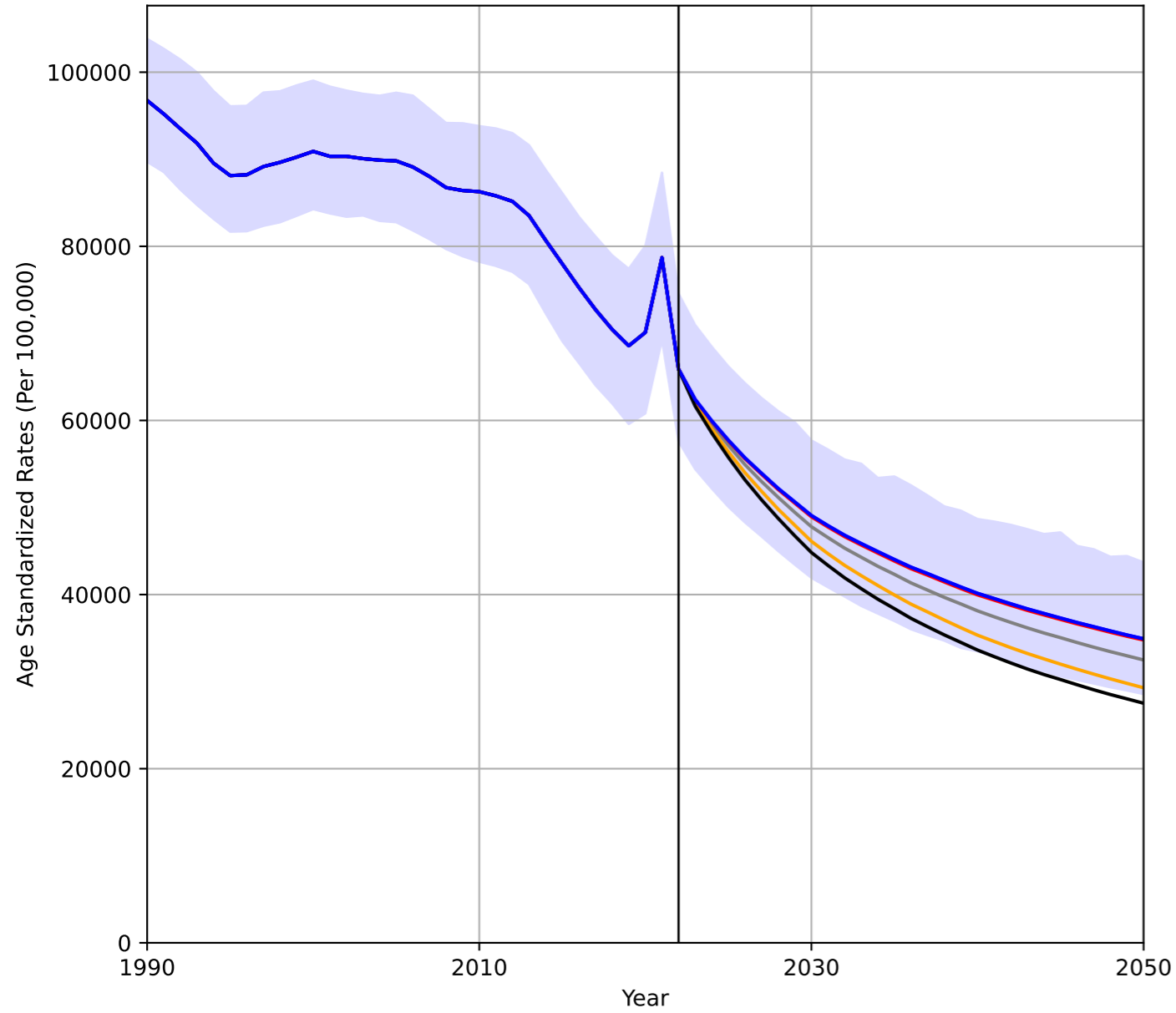
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# Mozambique

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1583

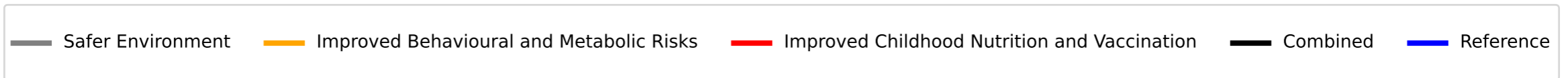
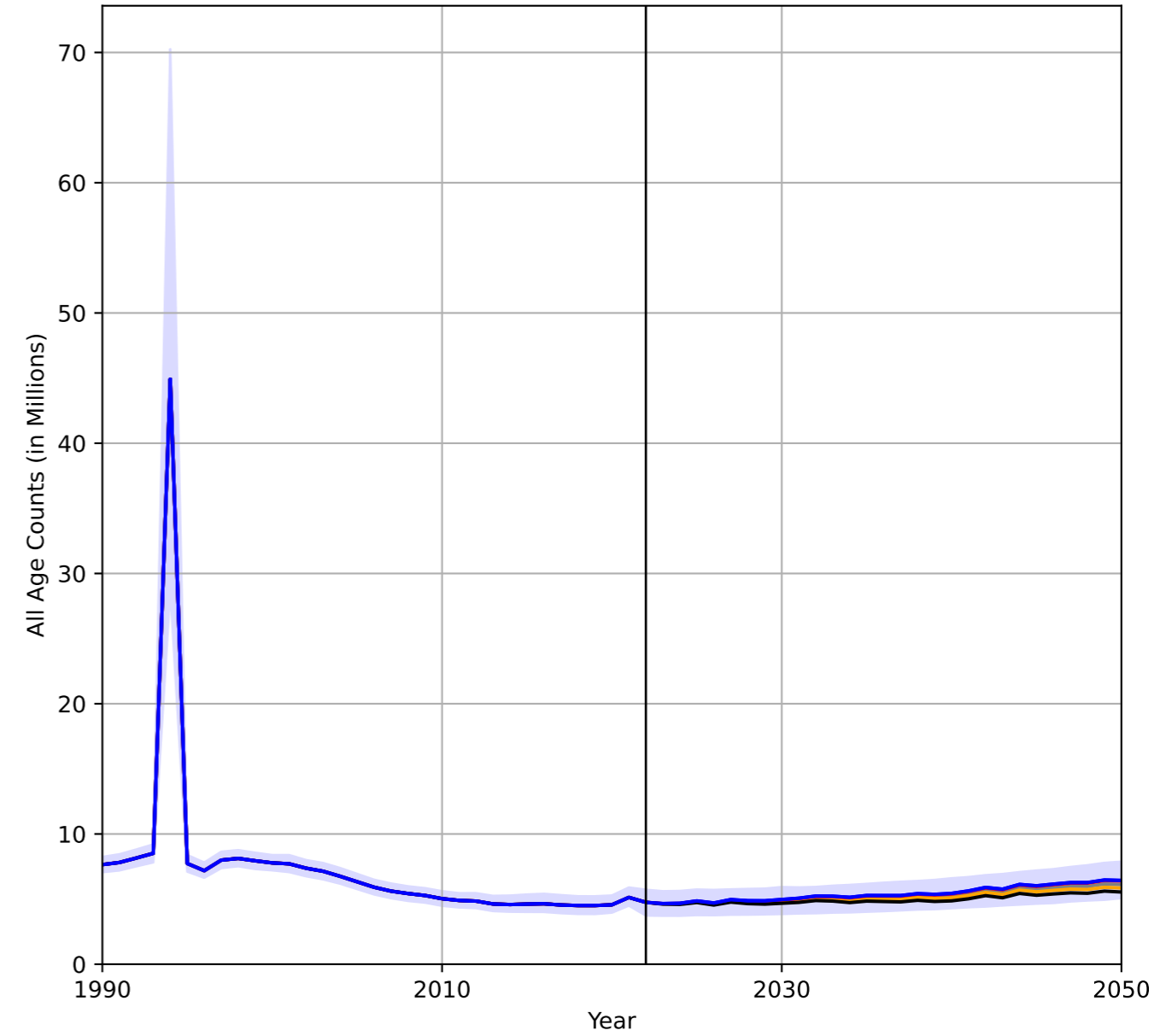
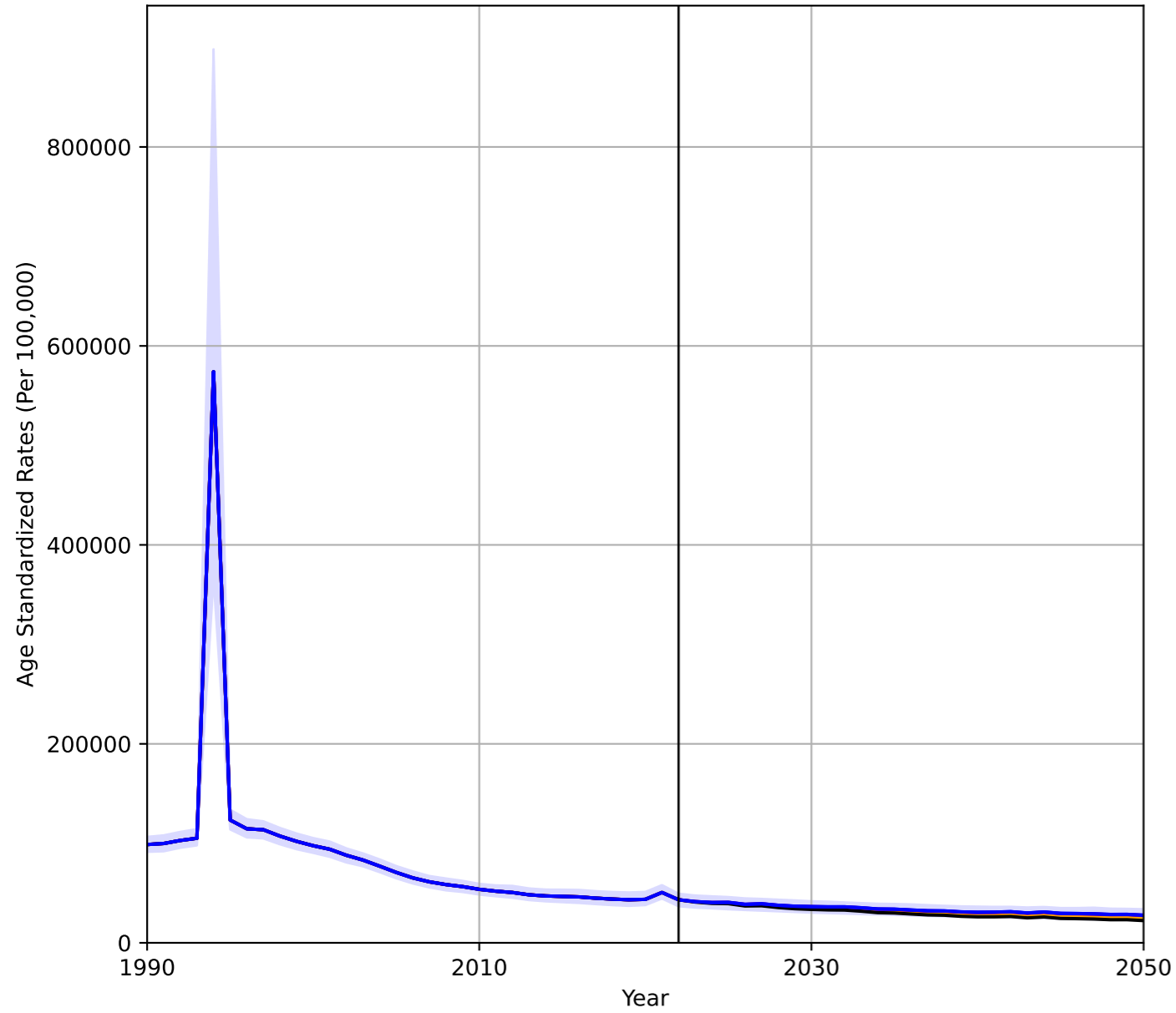




# Rwanda

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

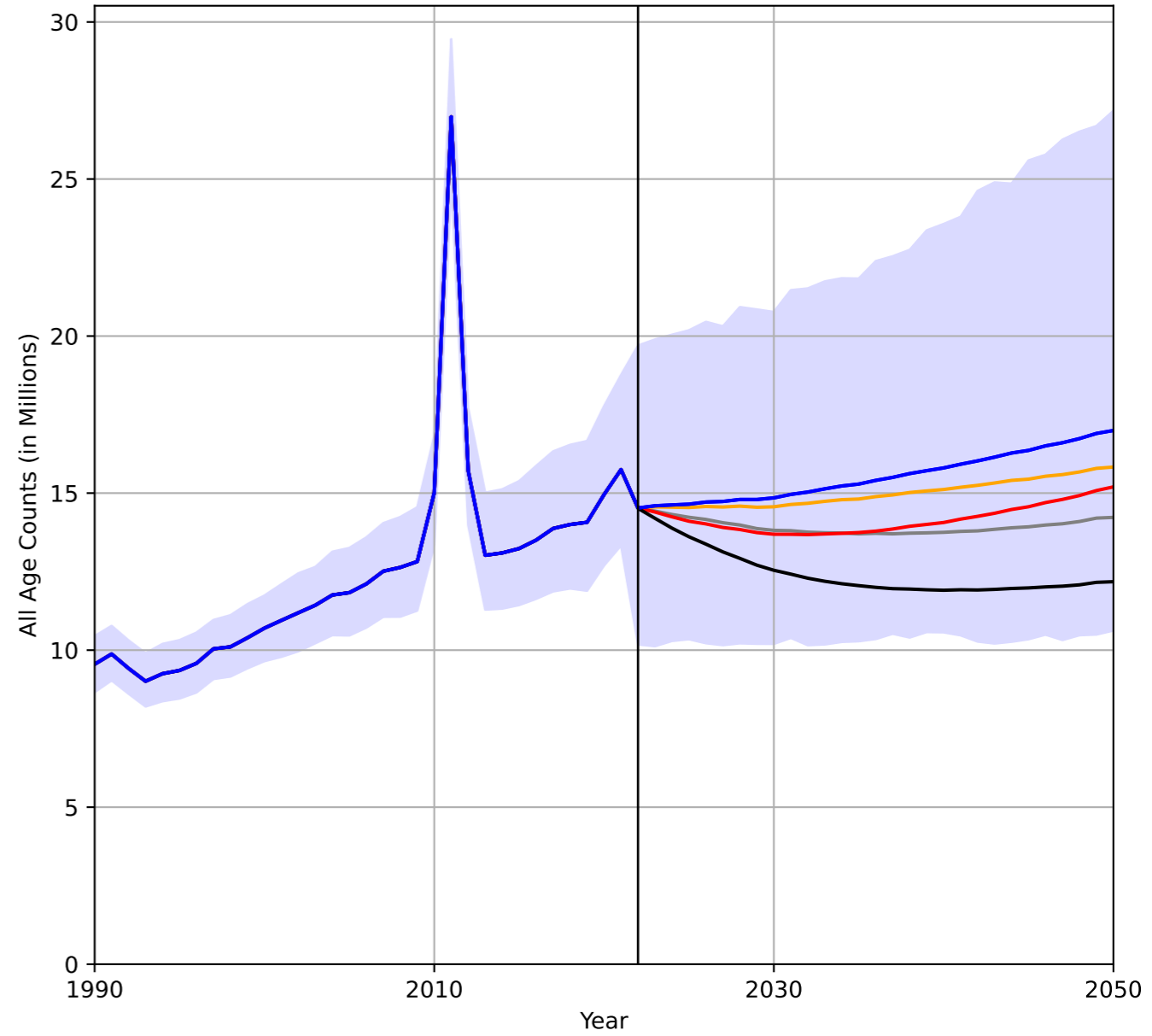
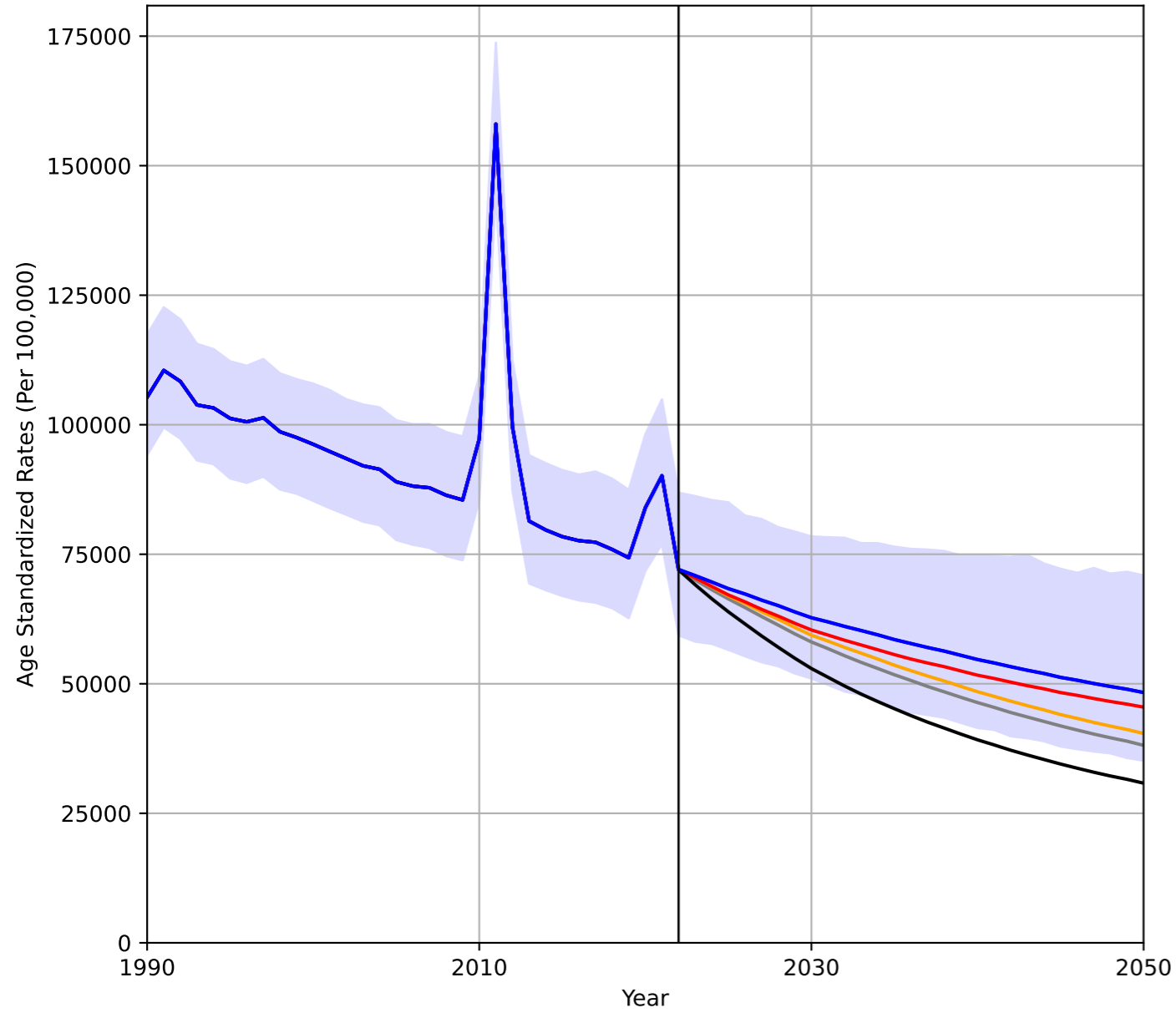
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# Somalia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

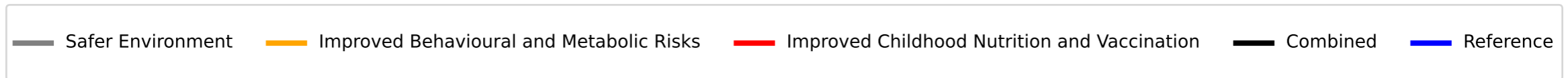
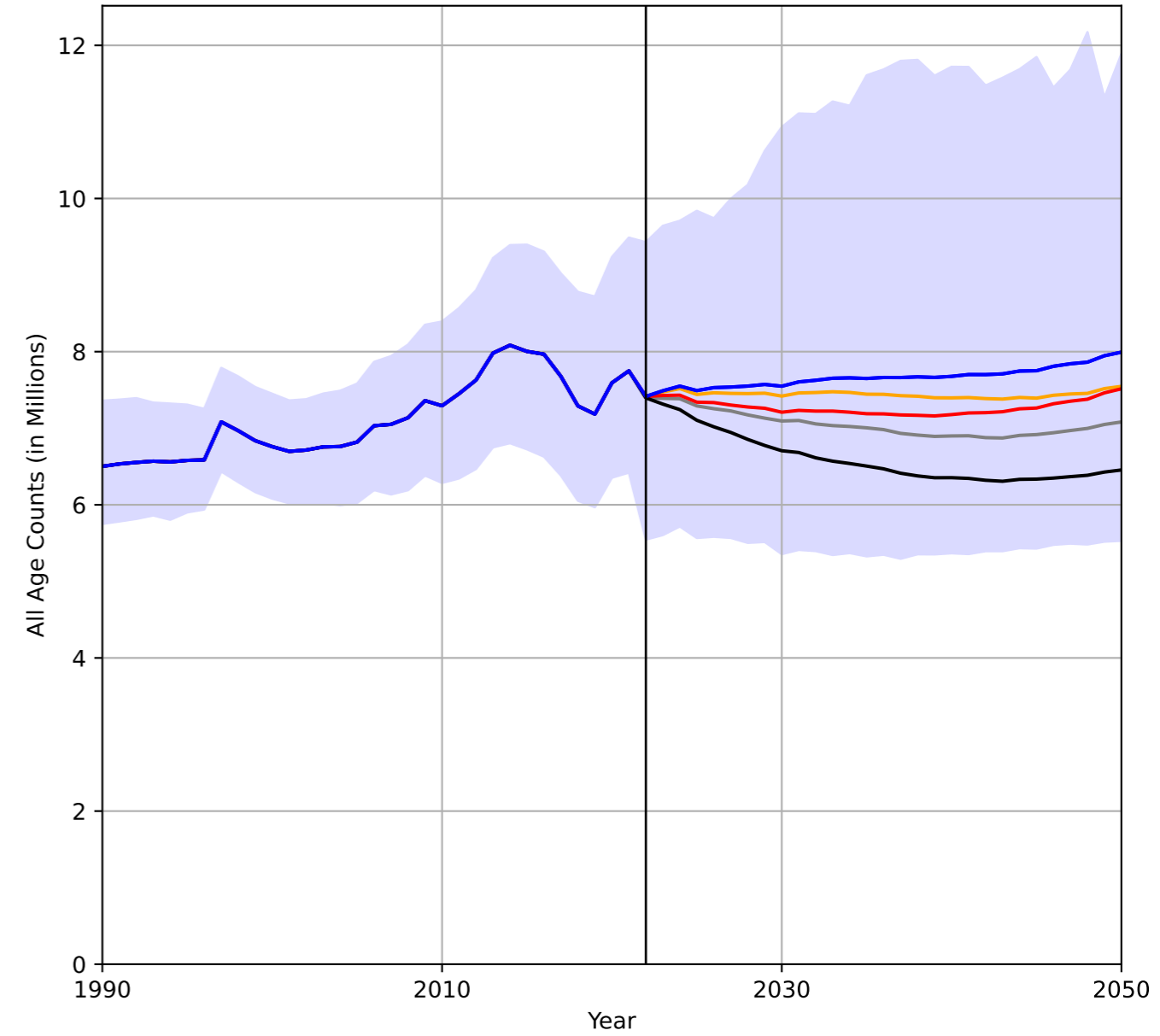
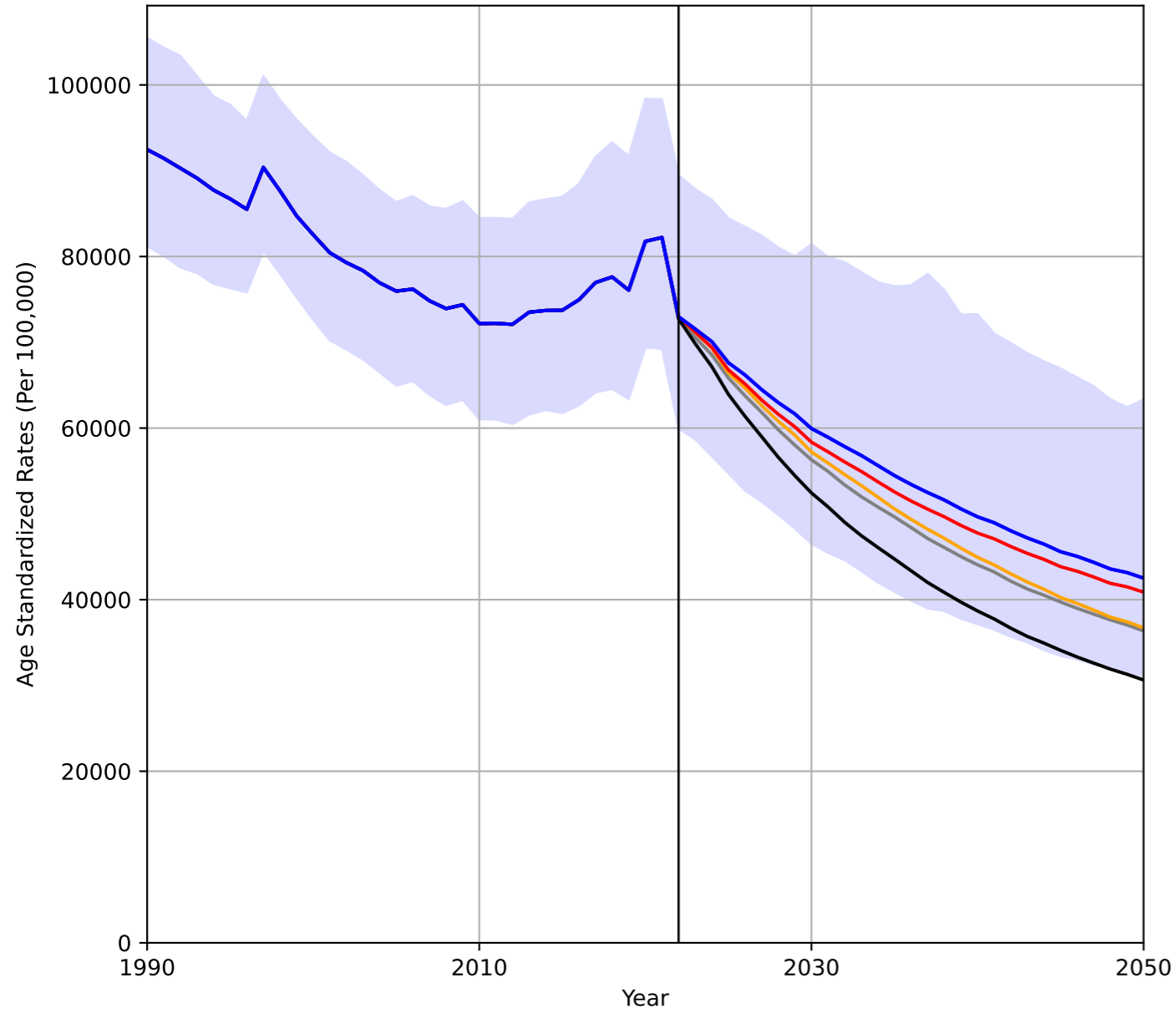
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# South Sudan

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

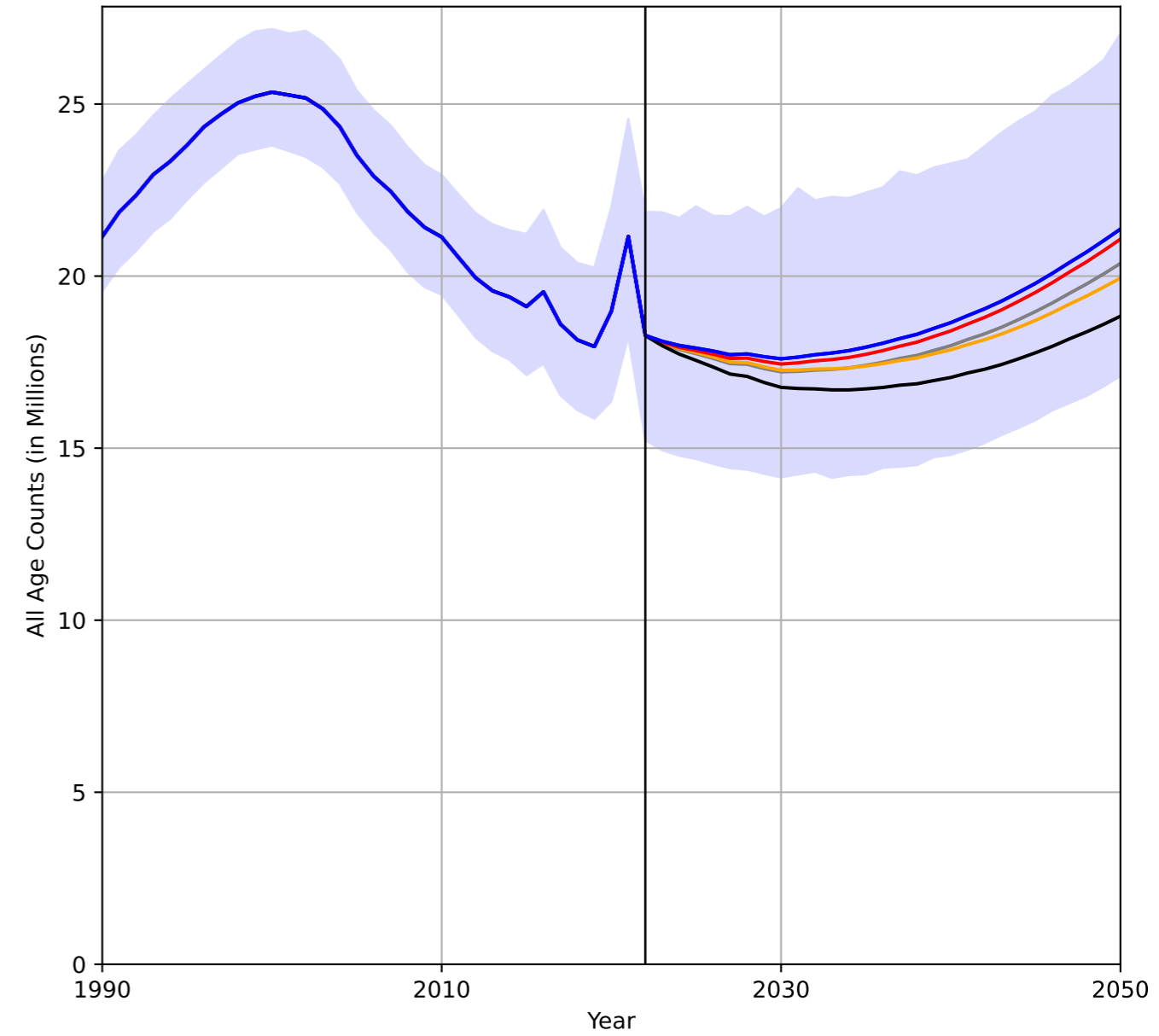
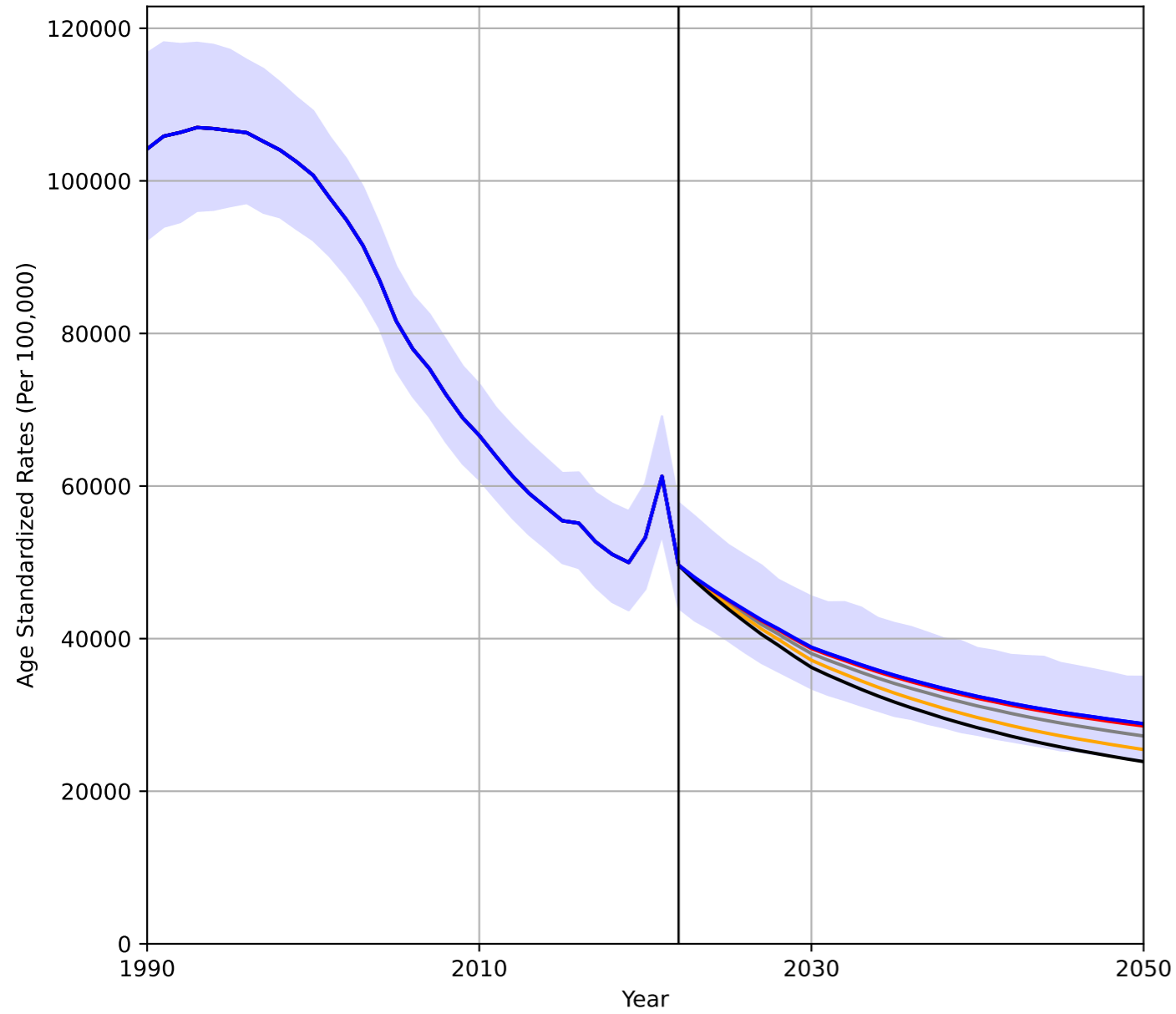
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# Uganda

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

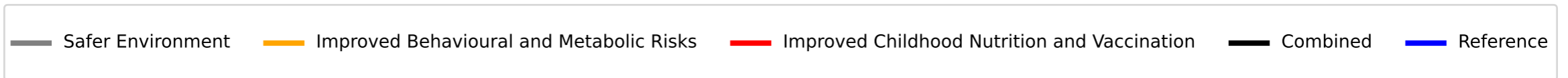
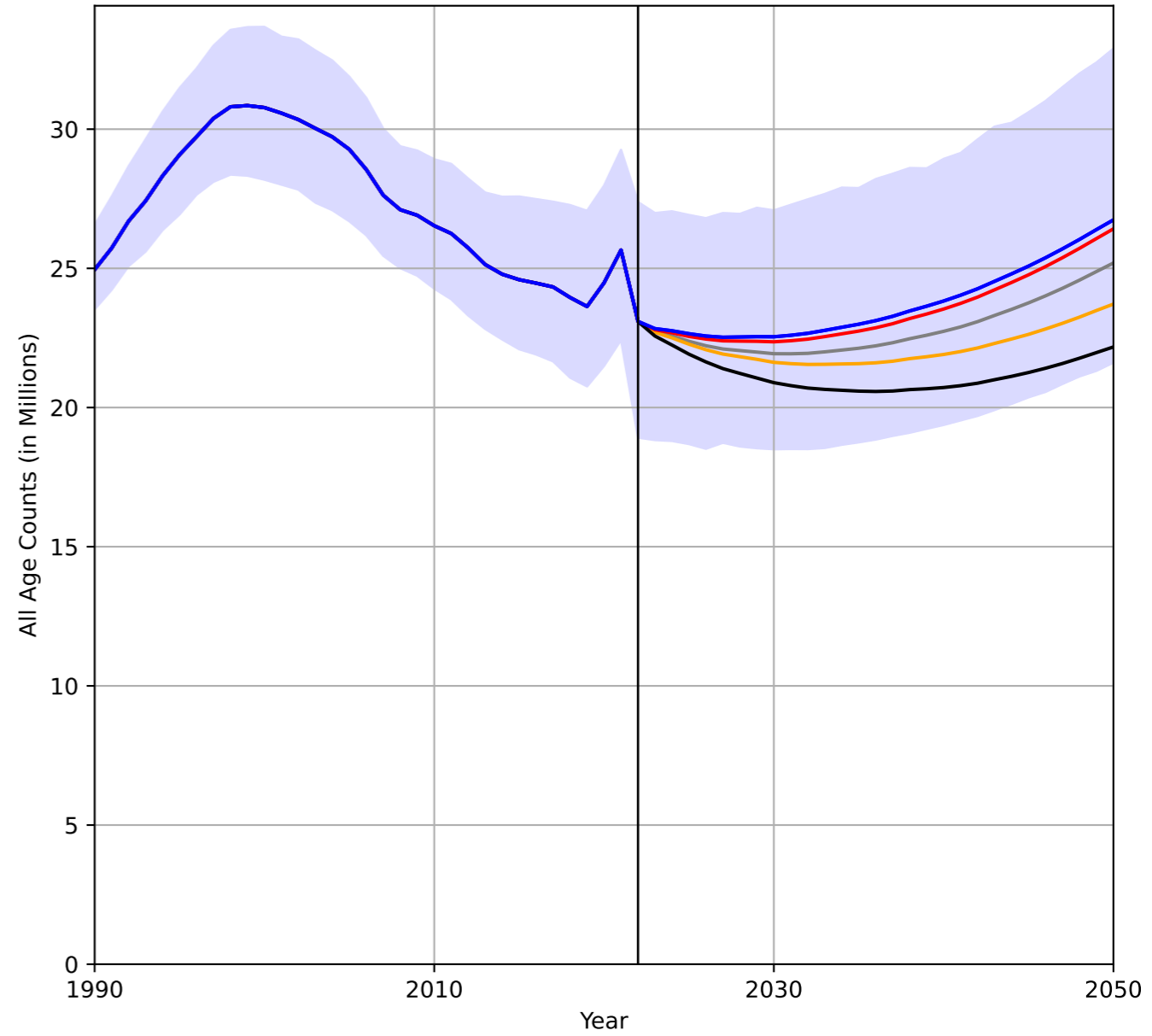
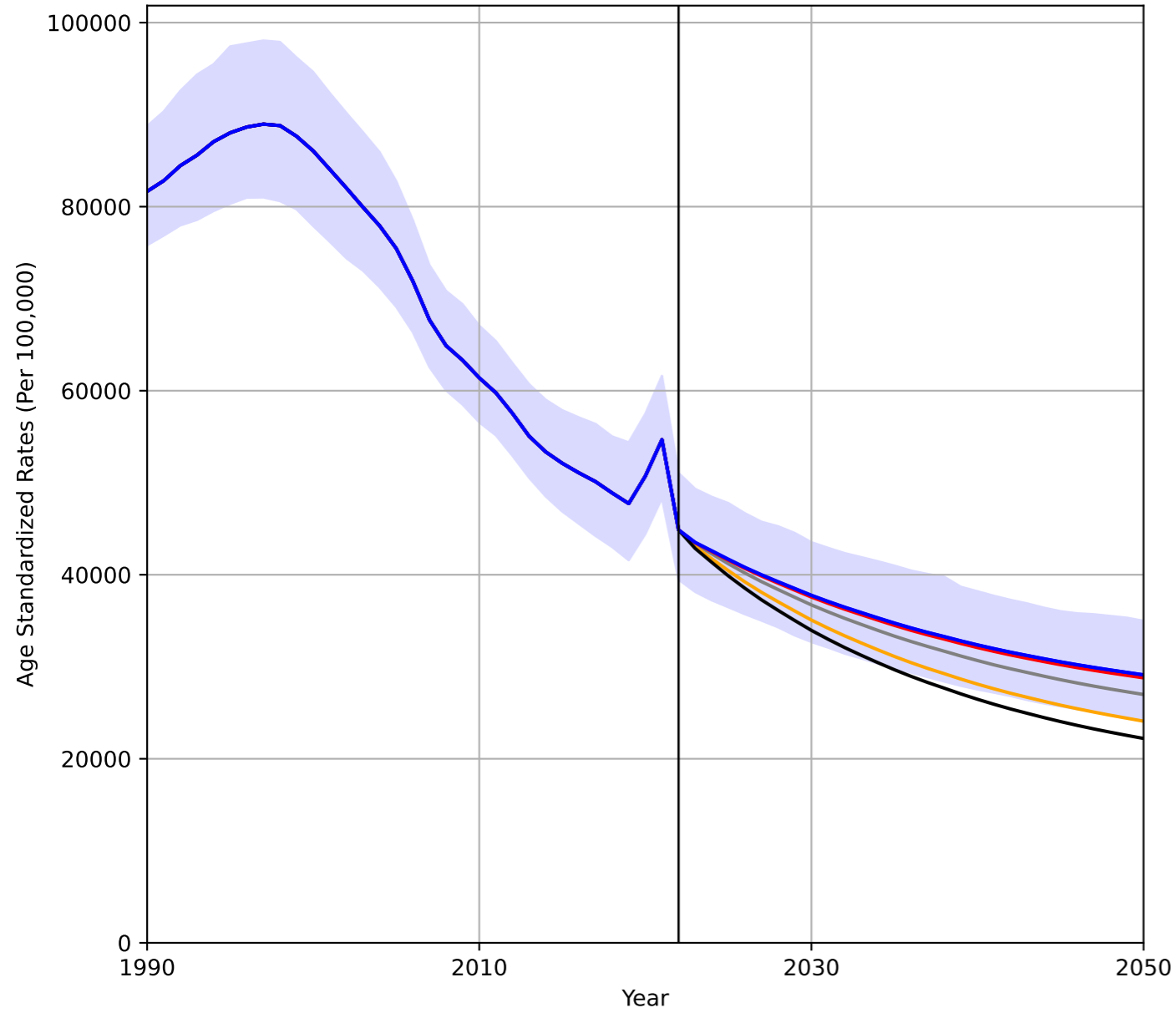
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# Tanzania

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

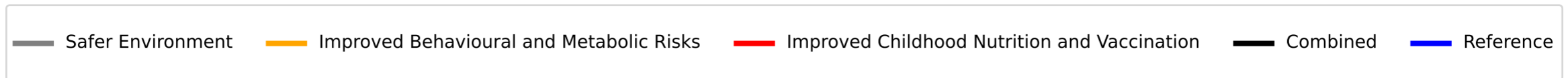
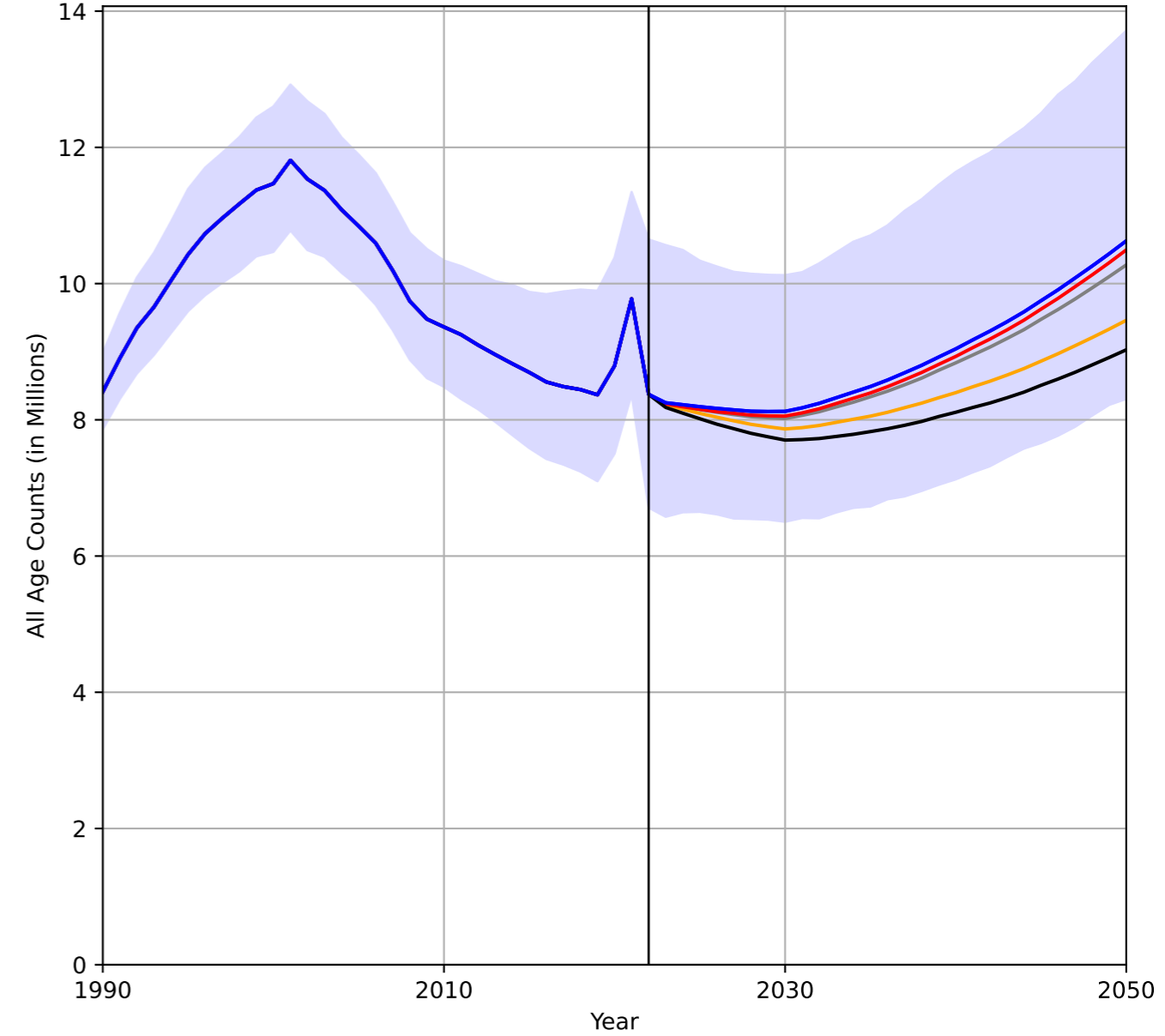
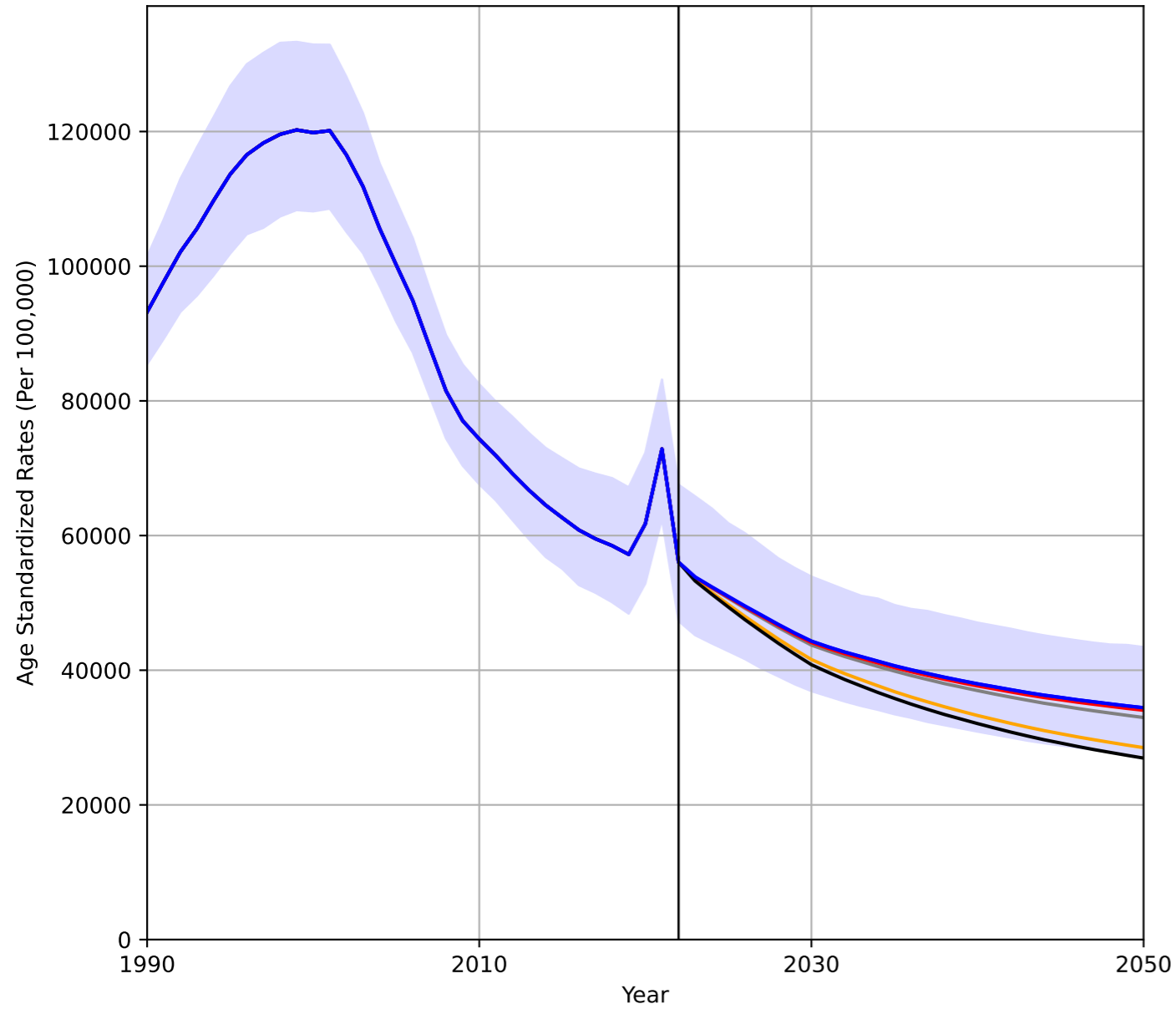
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# Zambia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

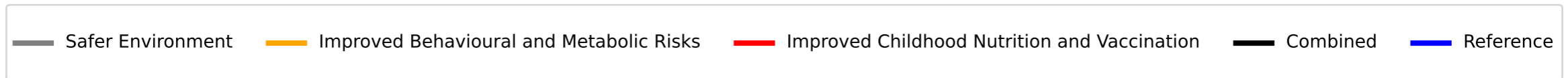
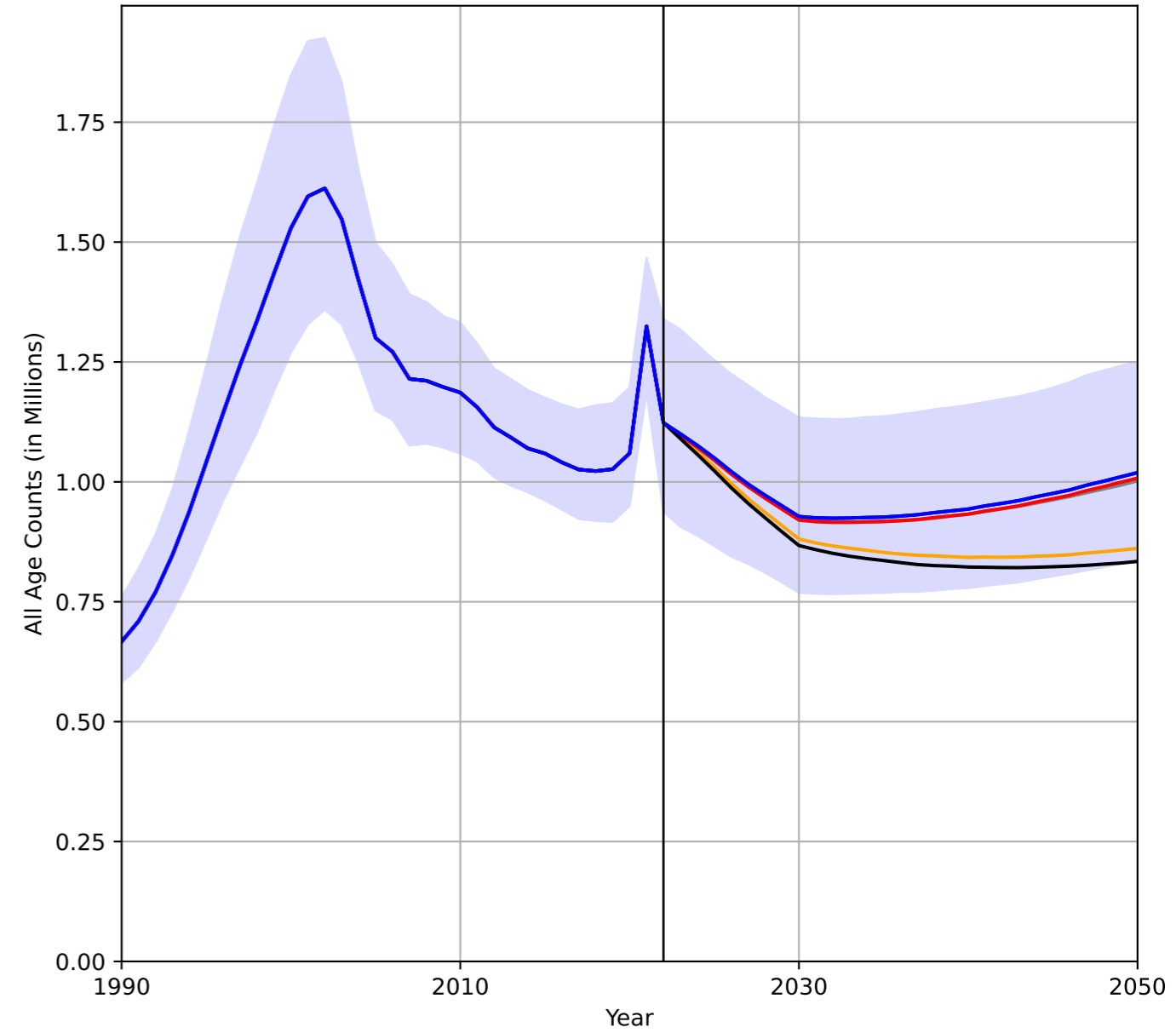
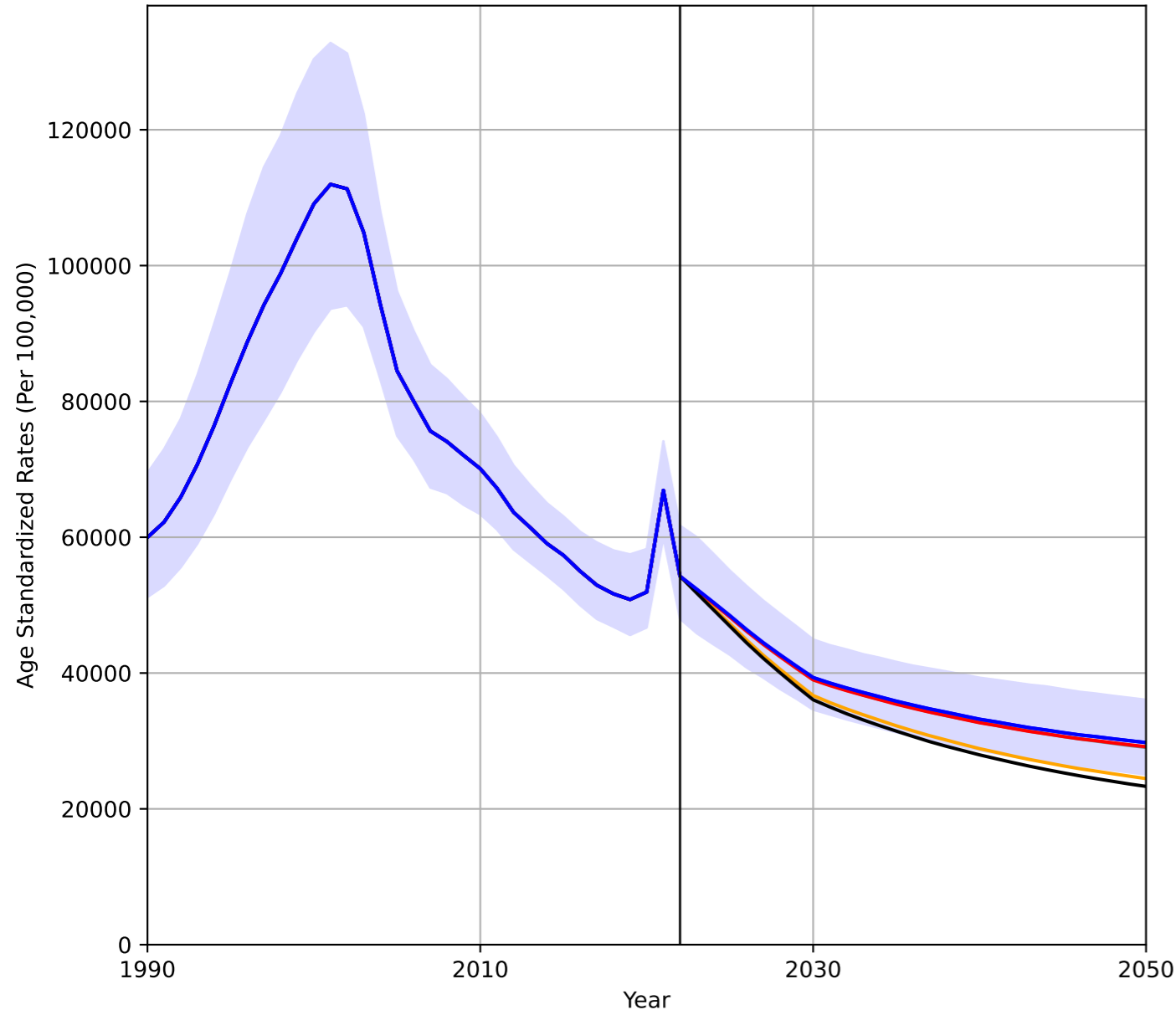
1589



# Botswana

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

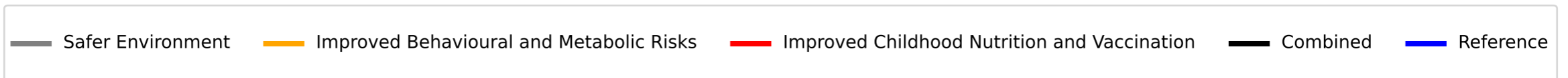
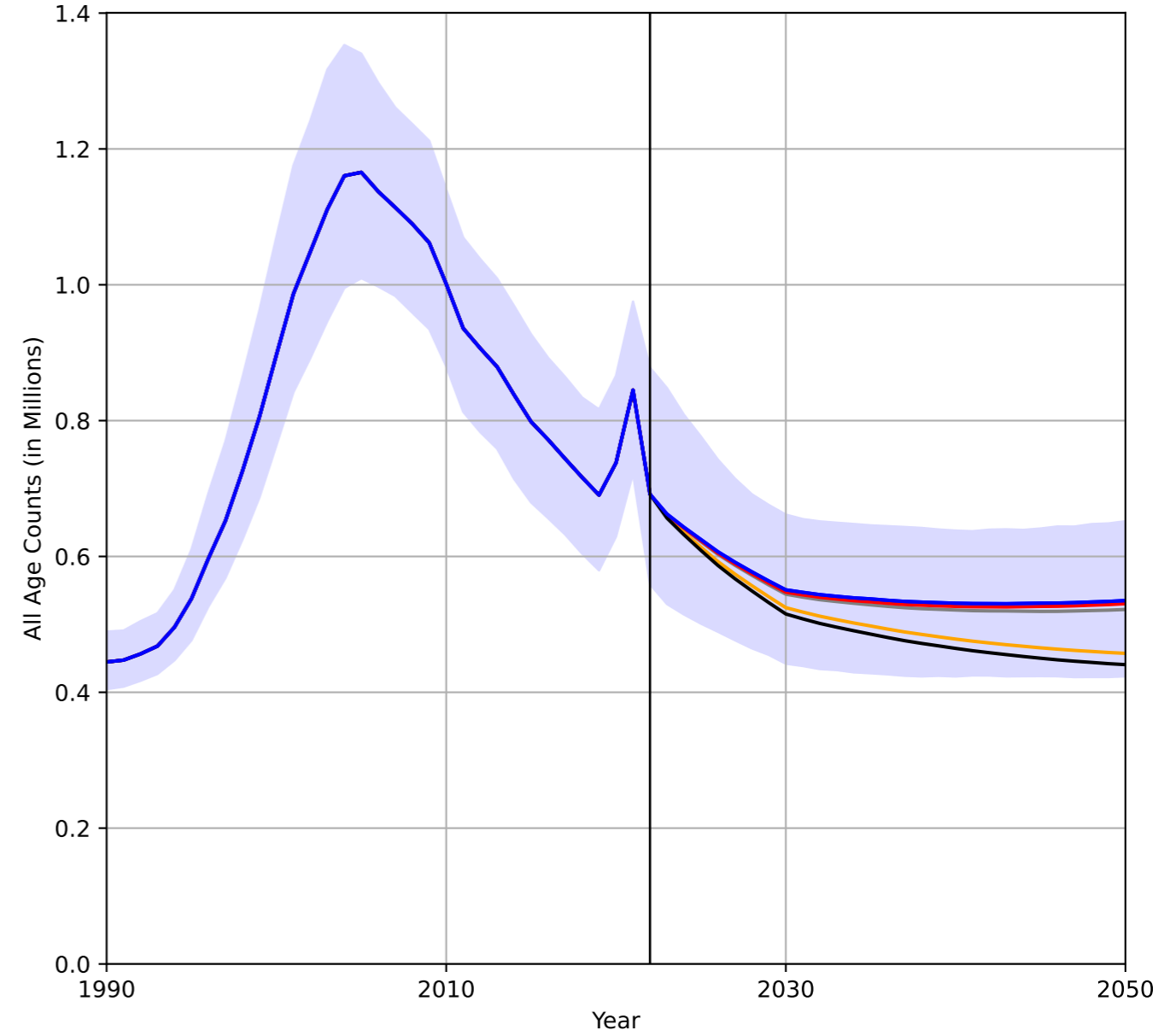
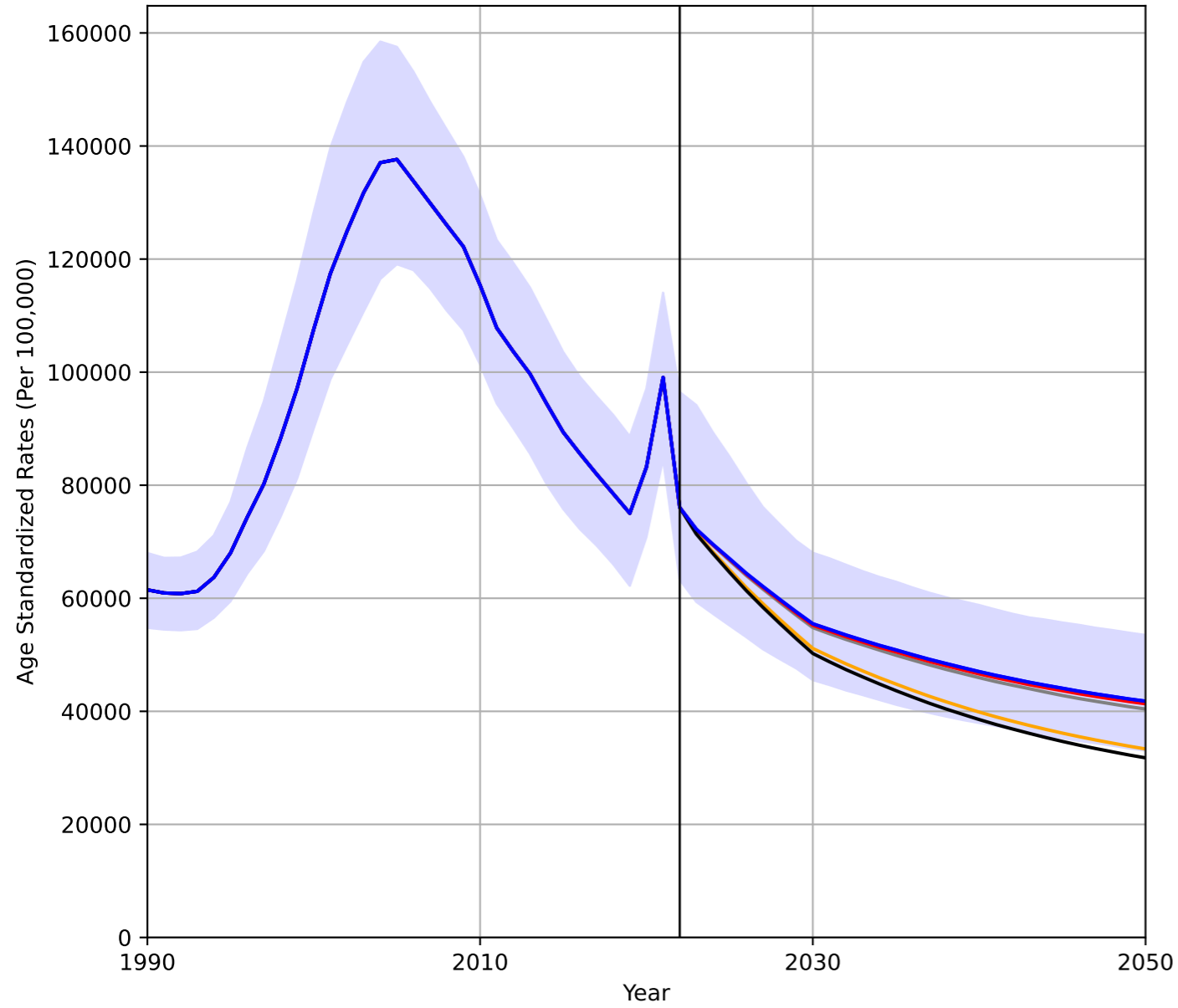
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# Eswatini

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1591

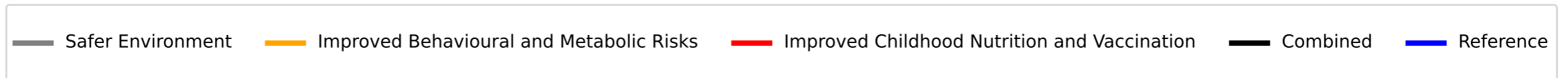
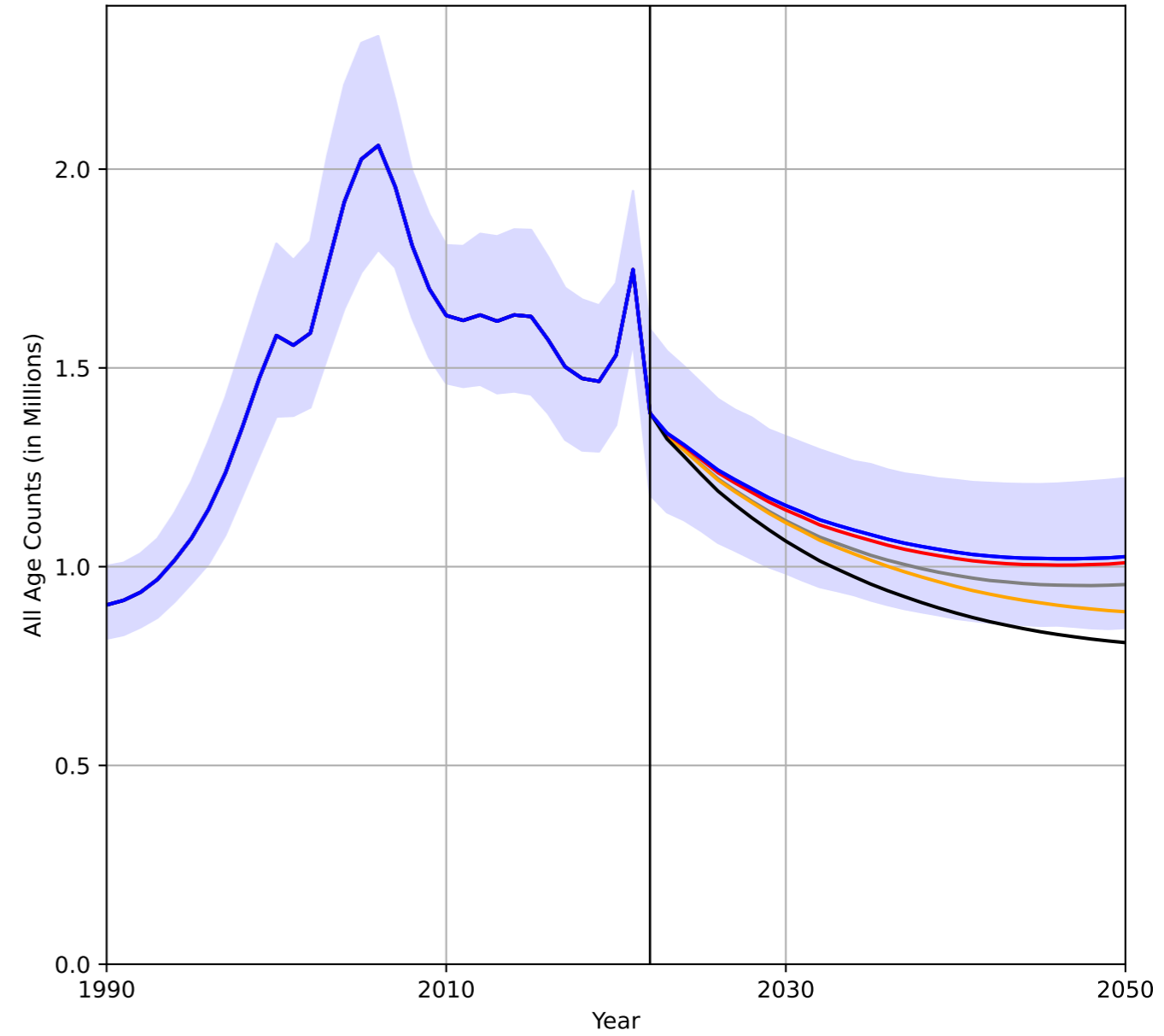
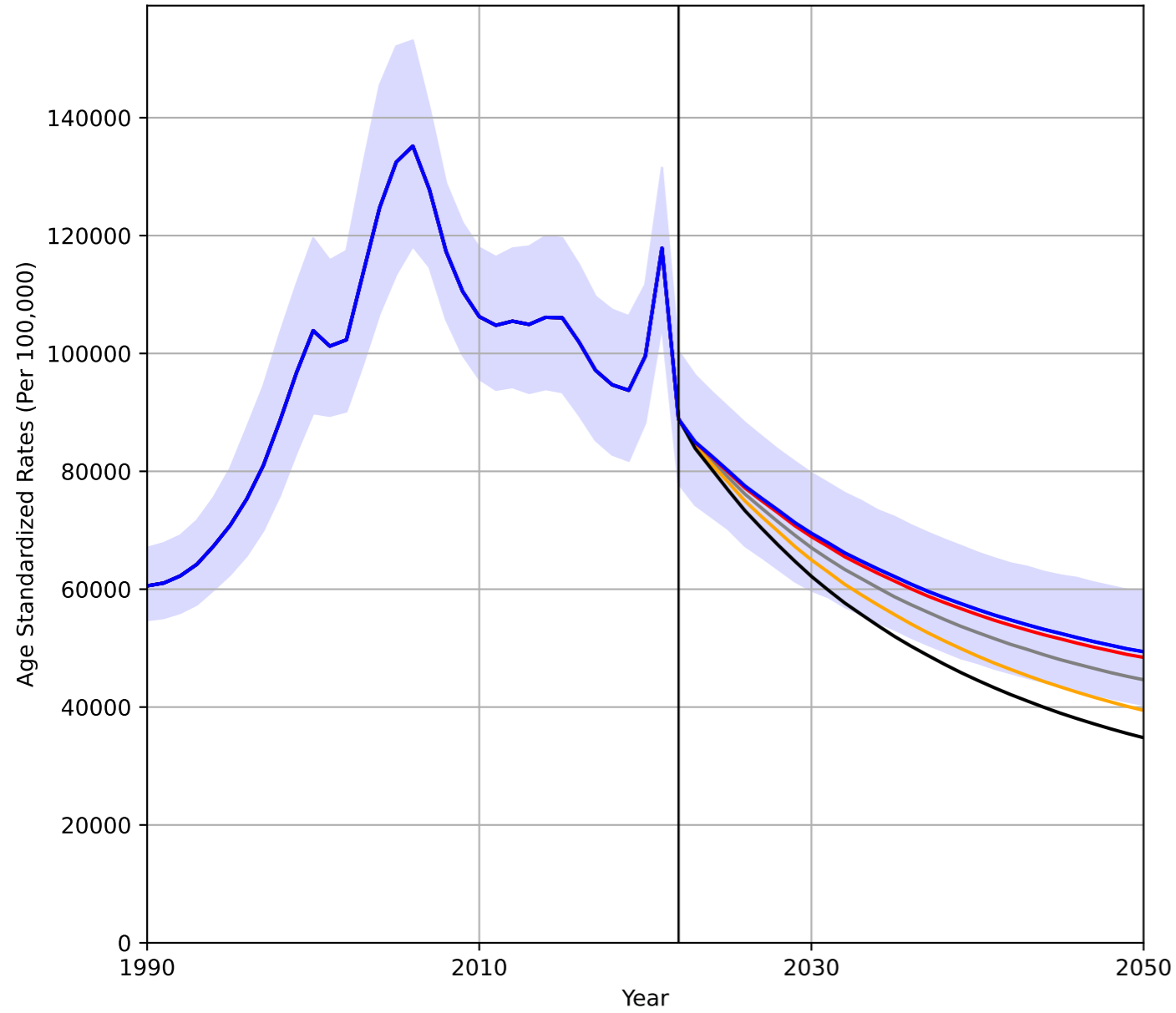




# Lesotho

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

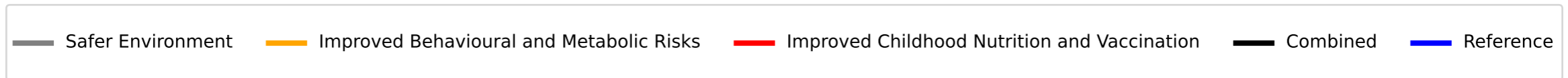
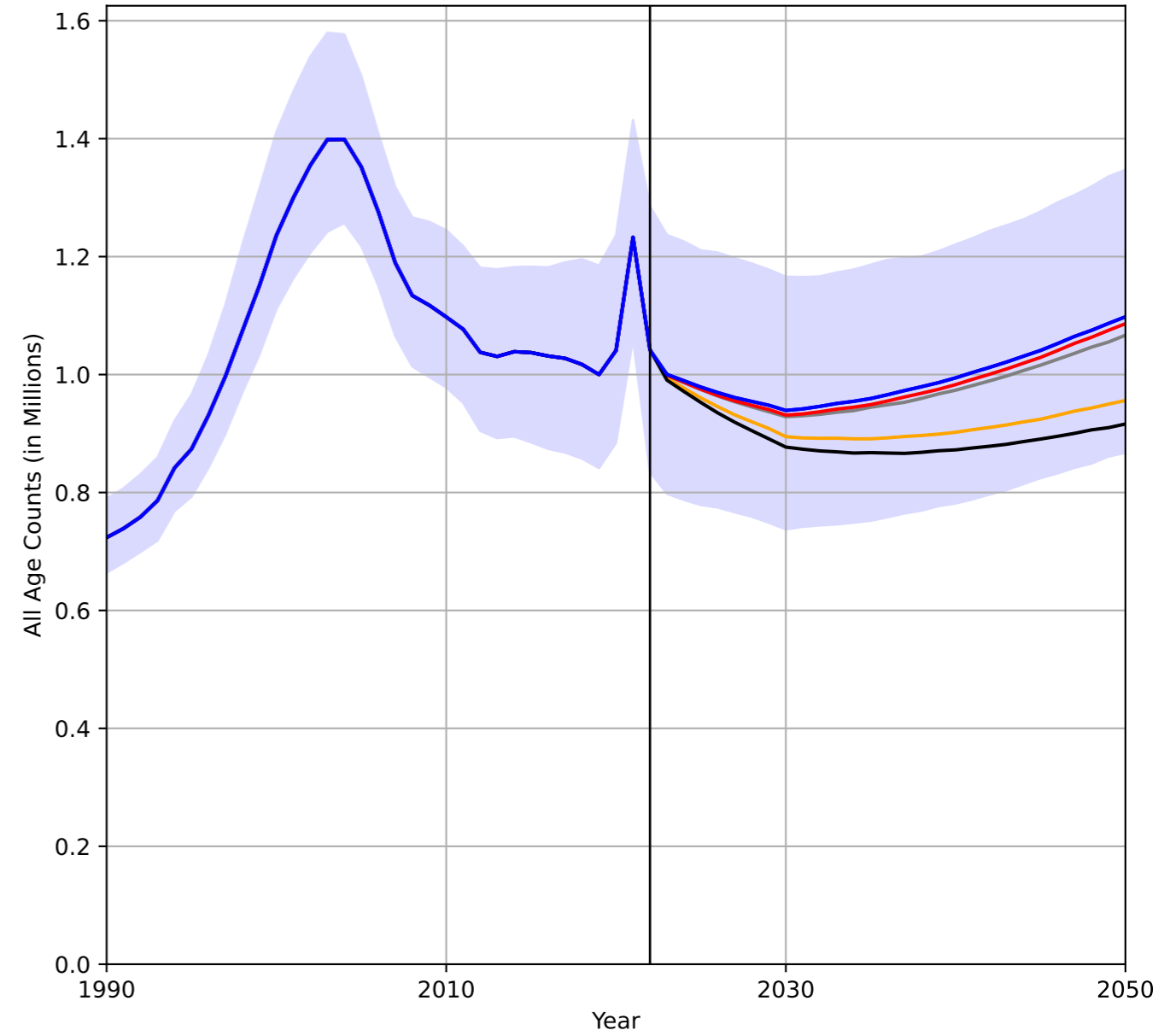
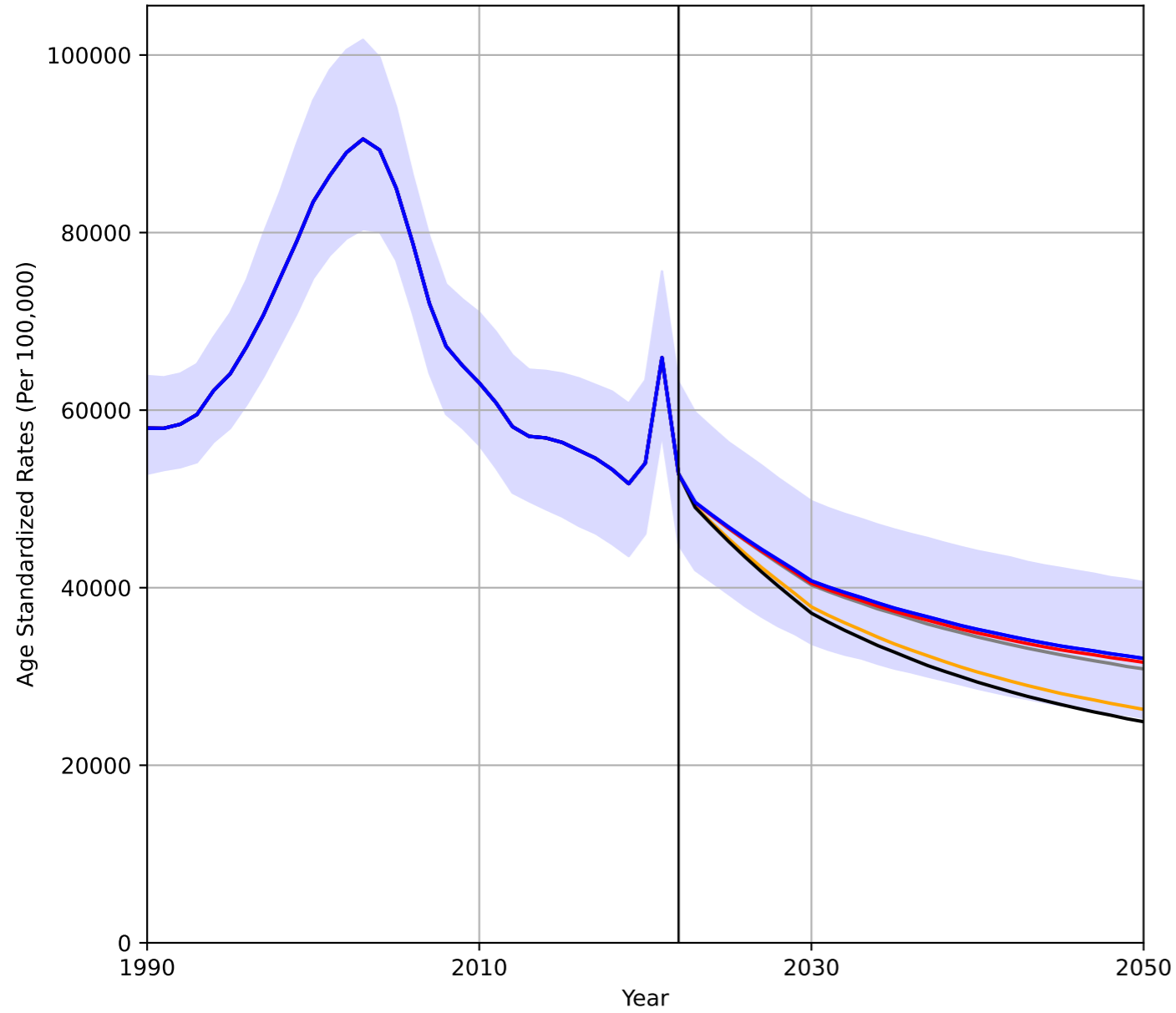
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# Namibia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

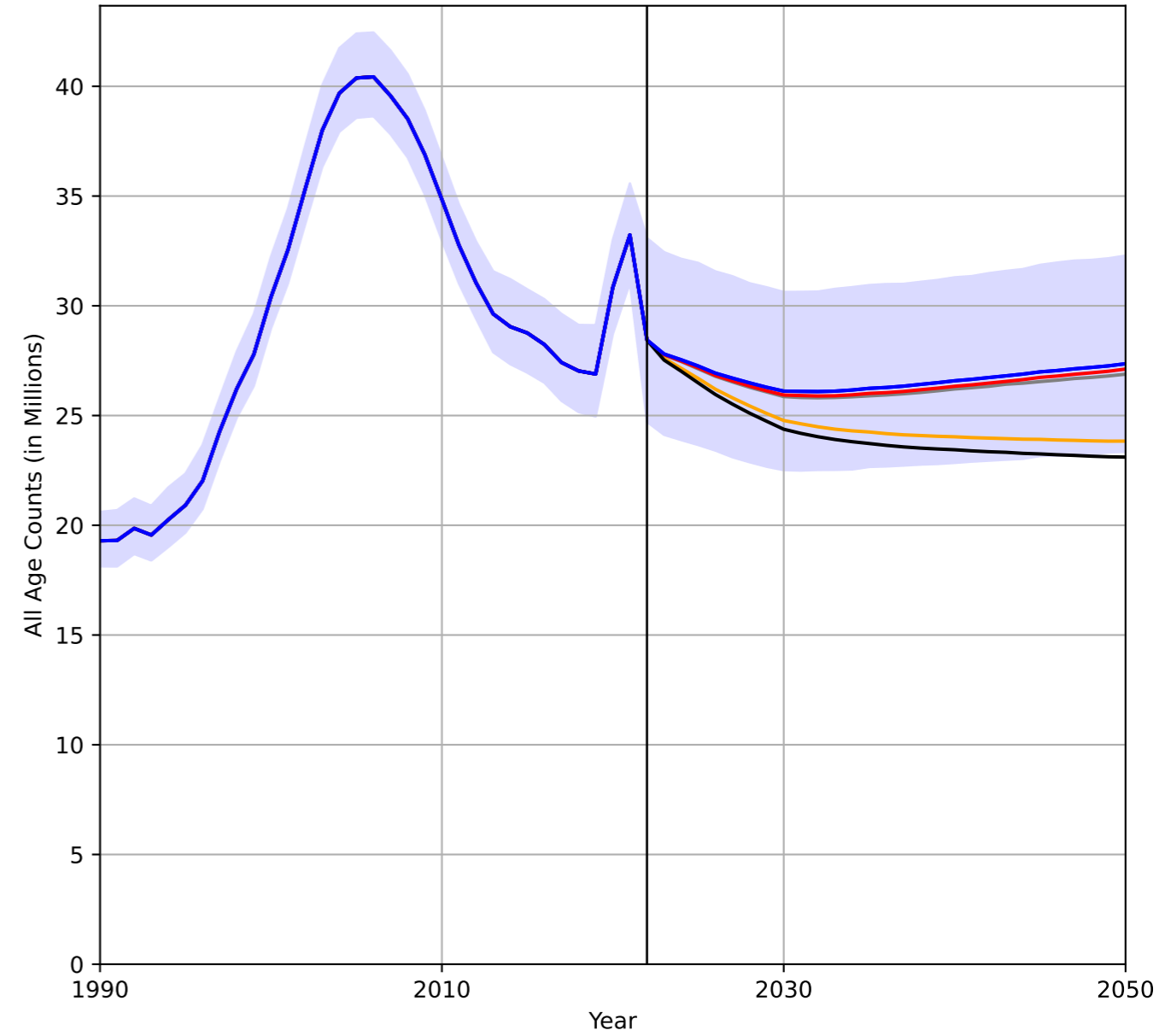
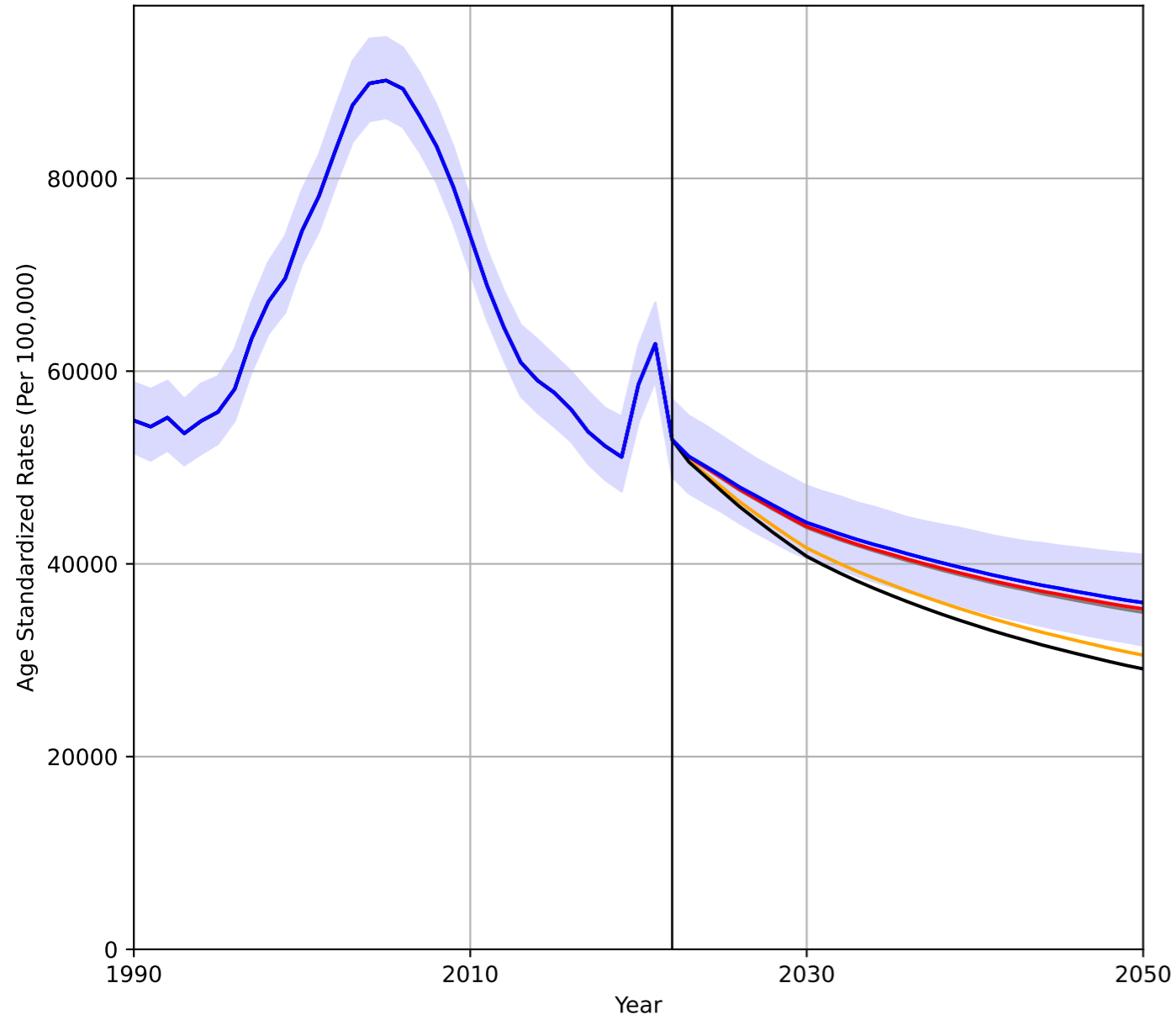
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# South Africa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

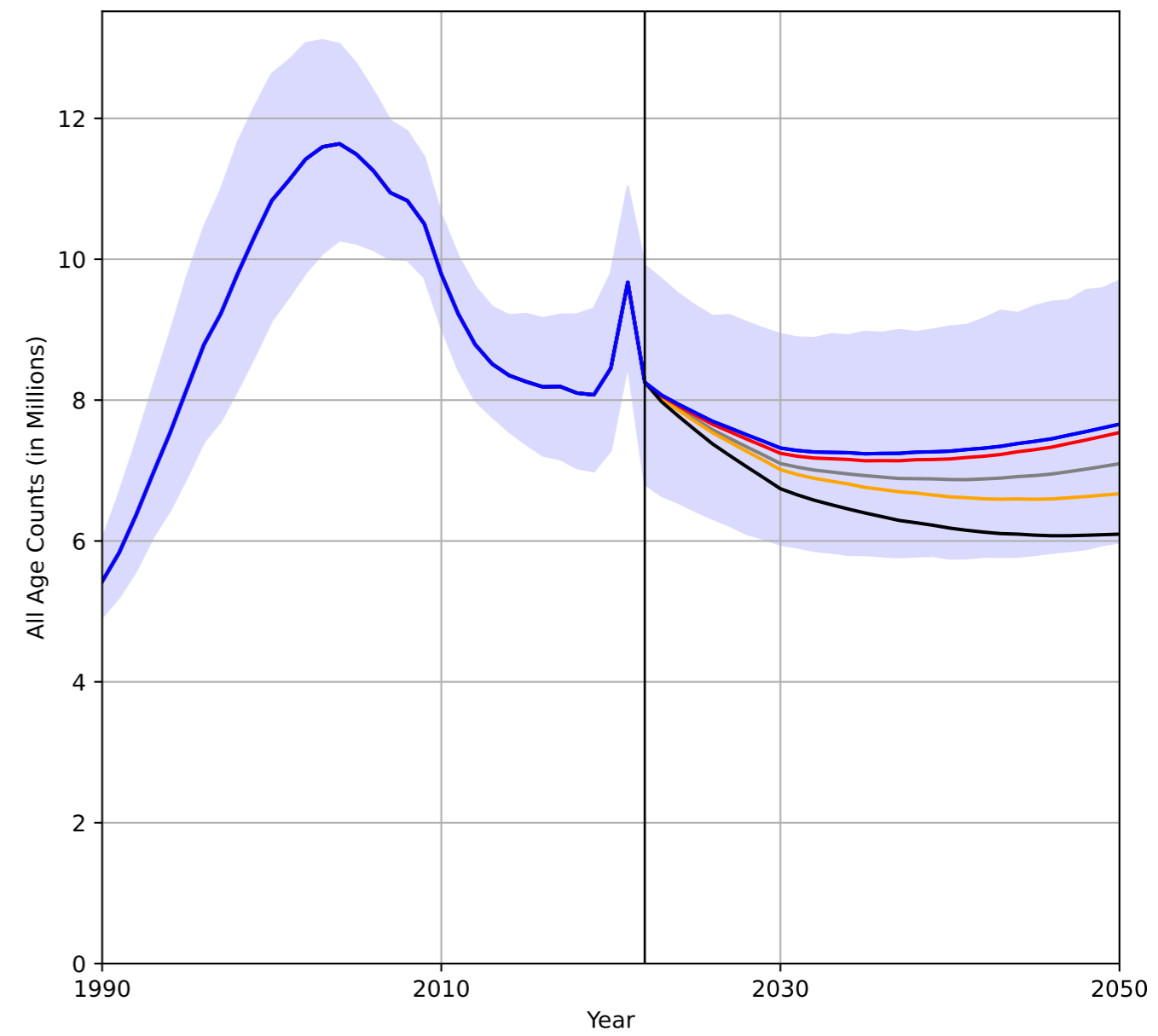
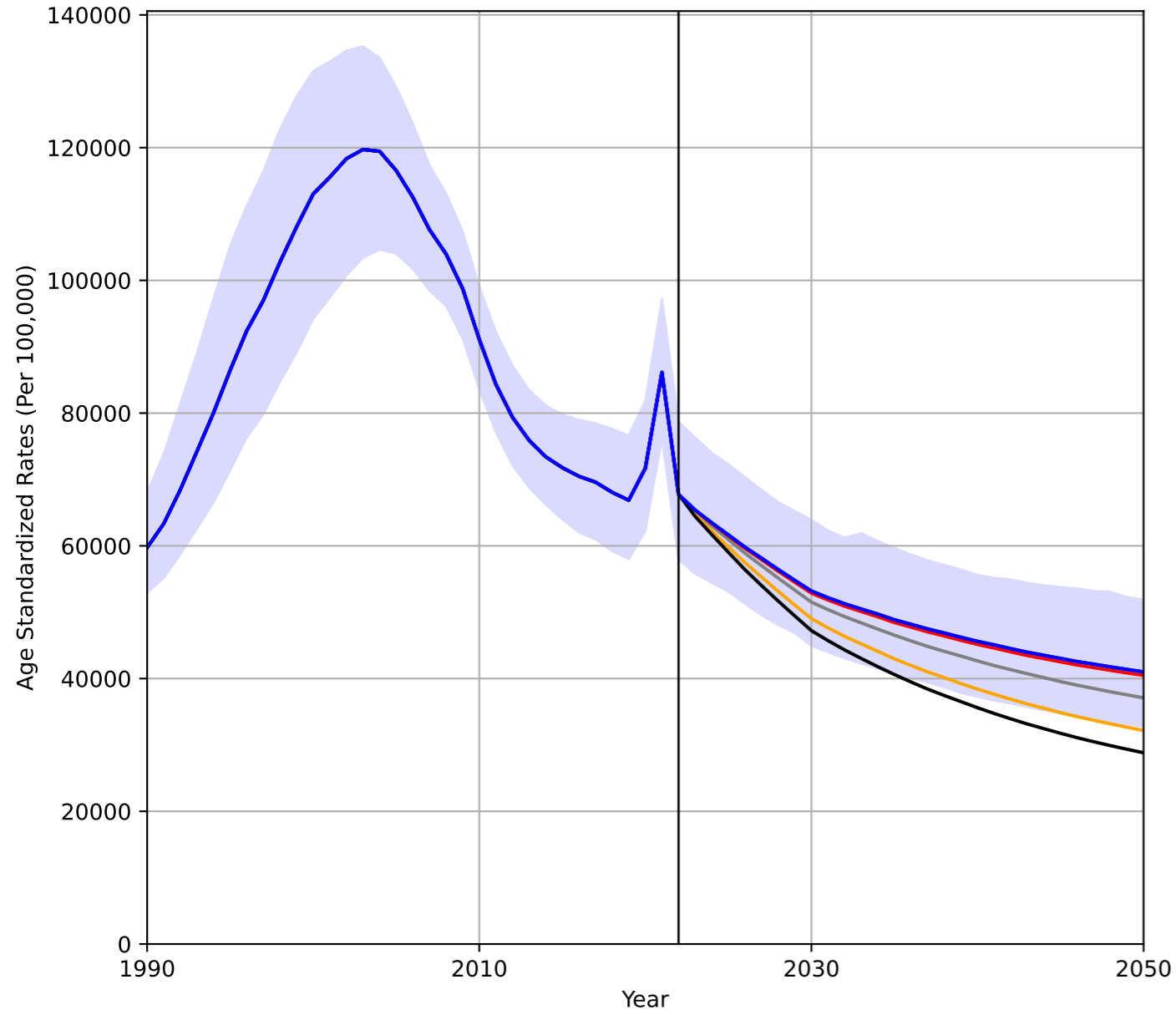
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# Zimbabwe

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

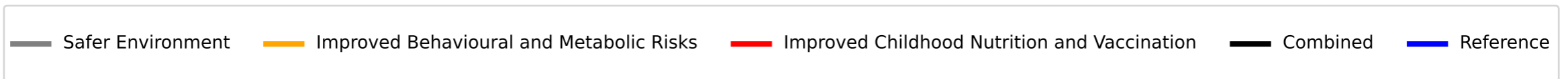
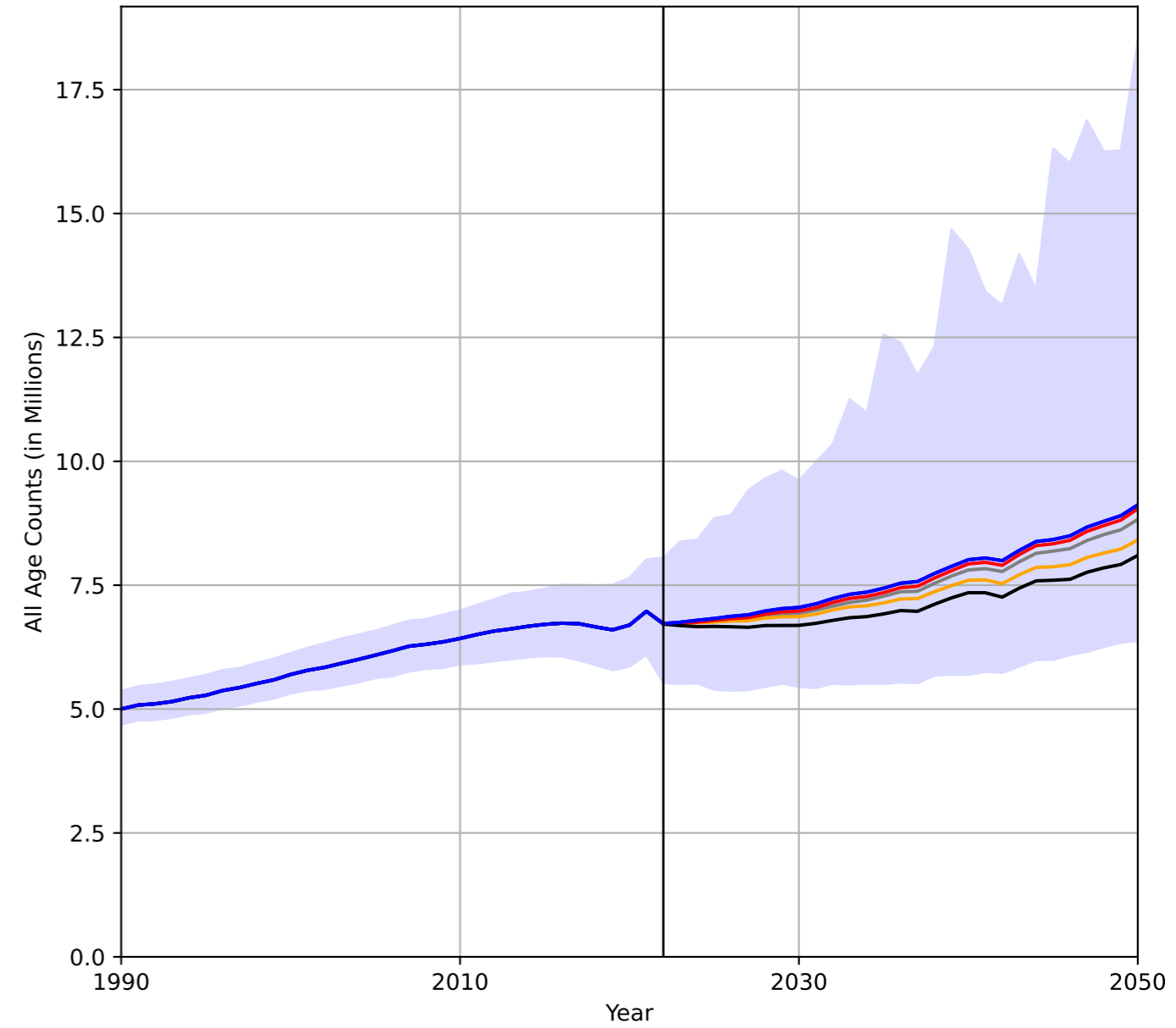
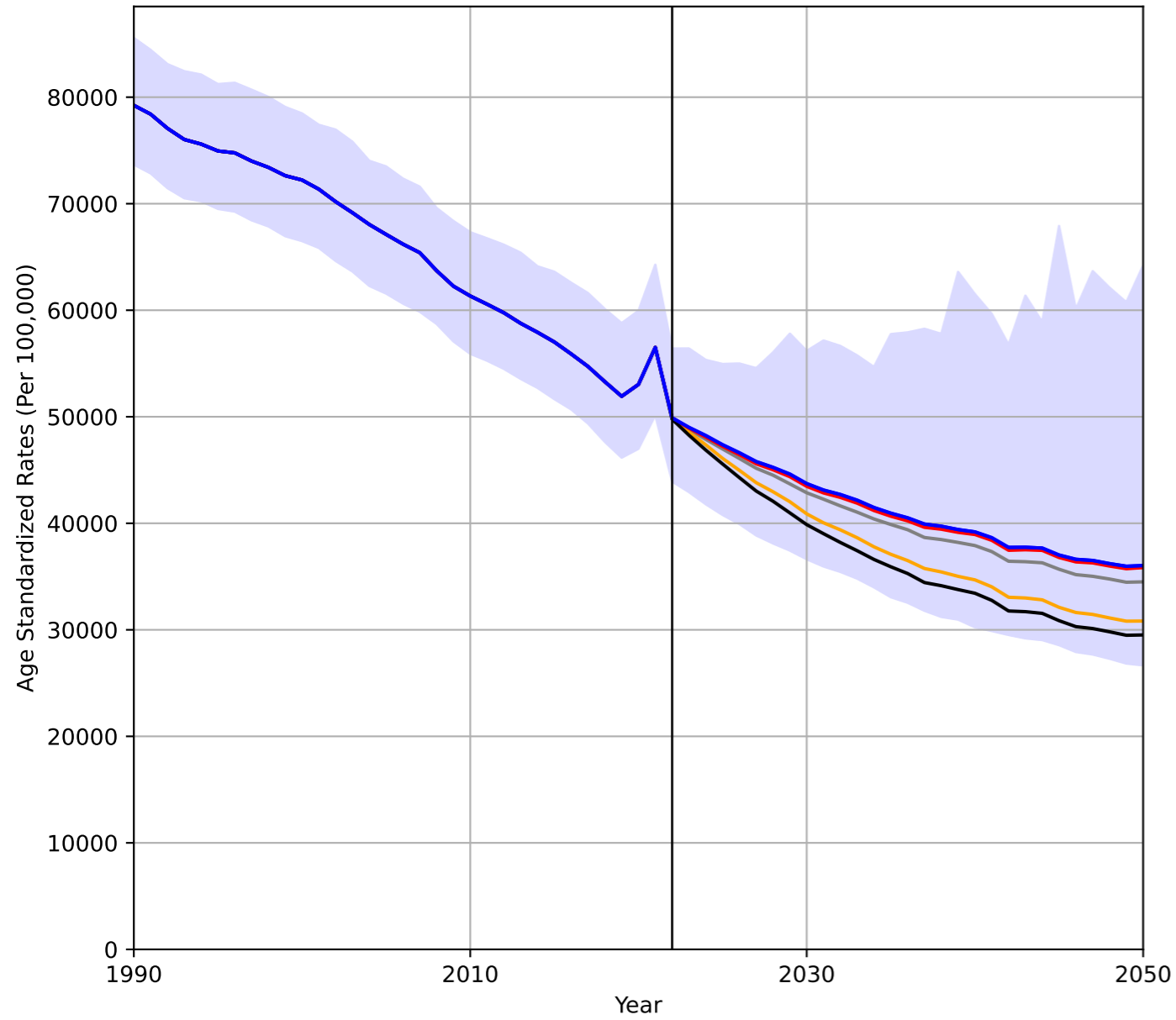
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# Benin

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

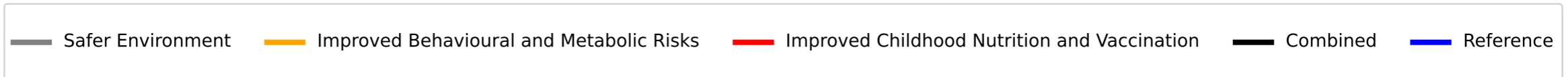
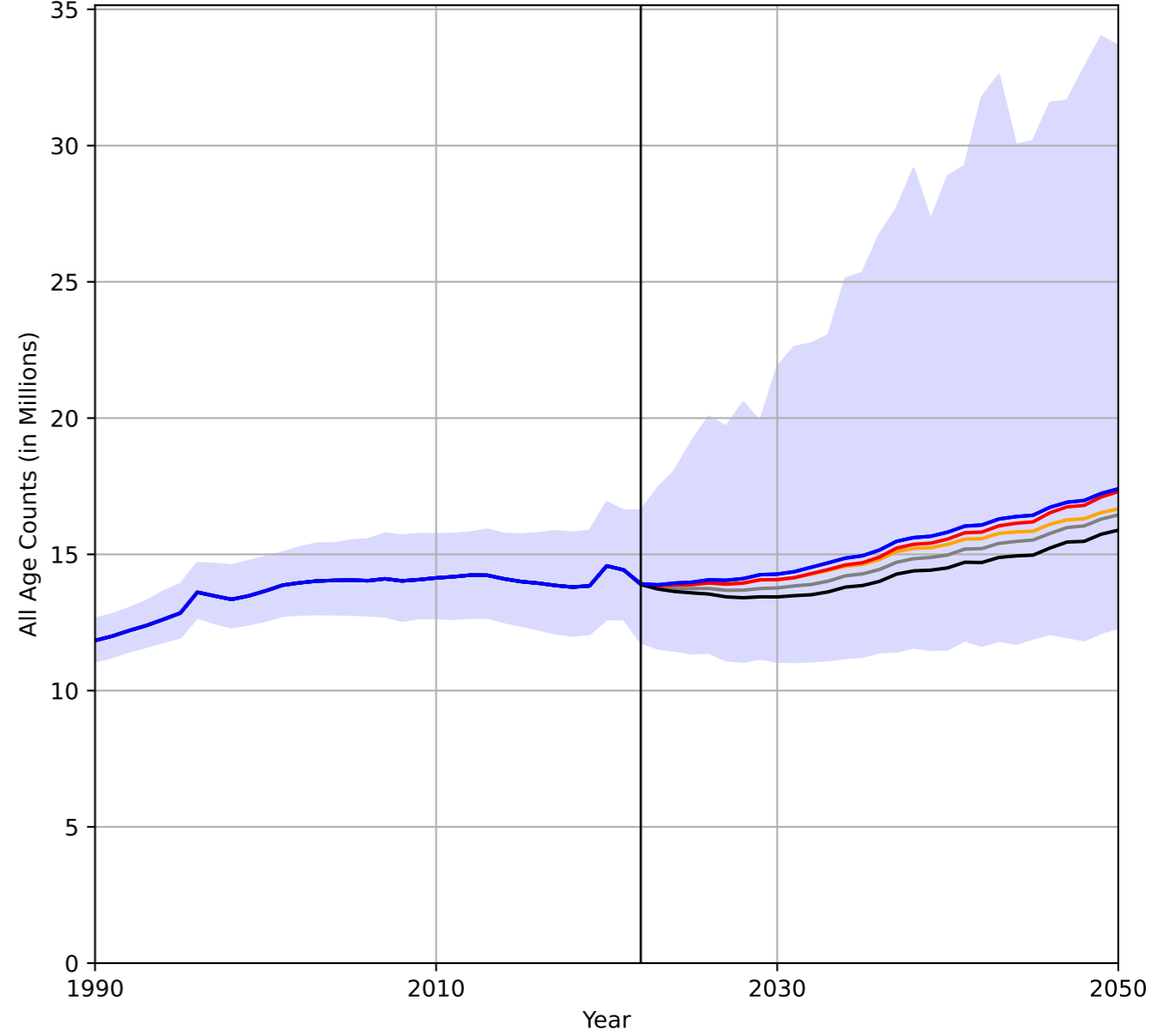
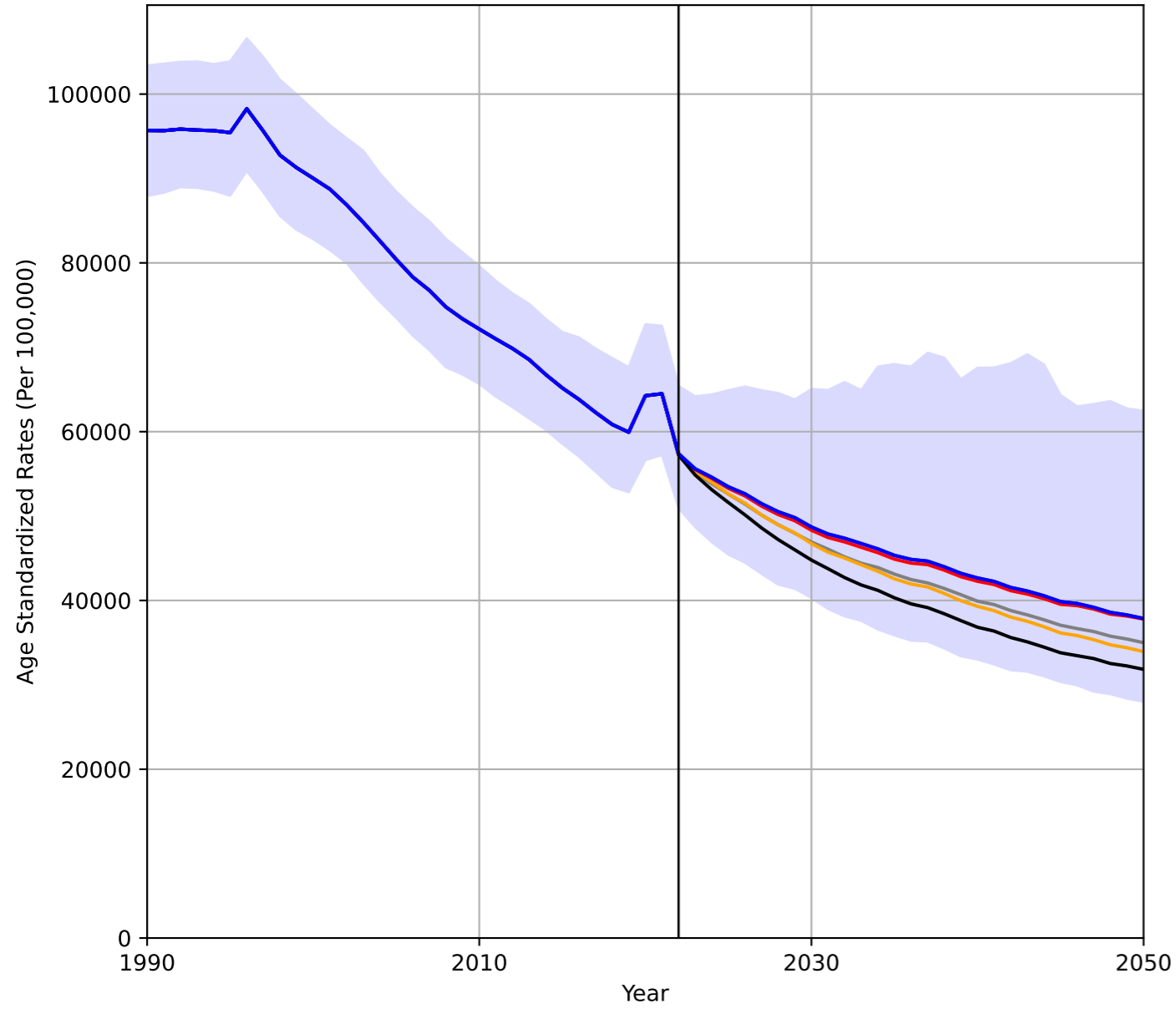
1596



# Burkina Faso

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

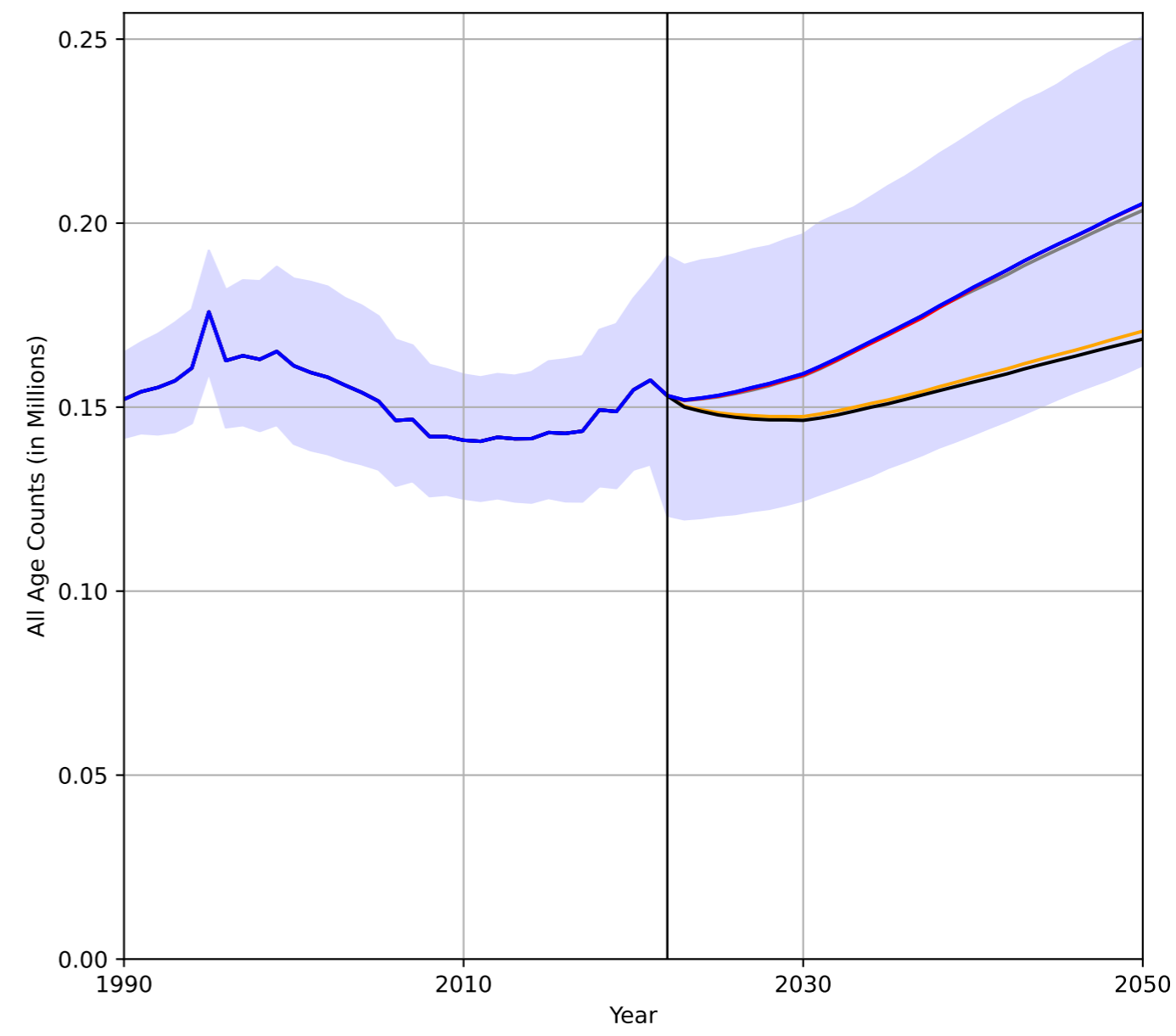
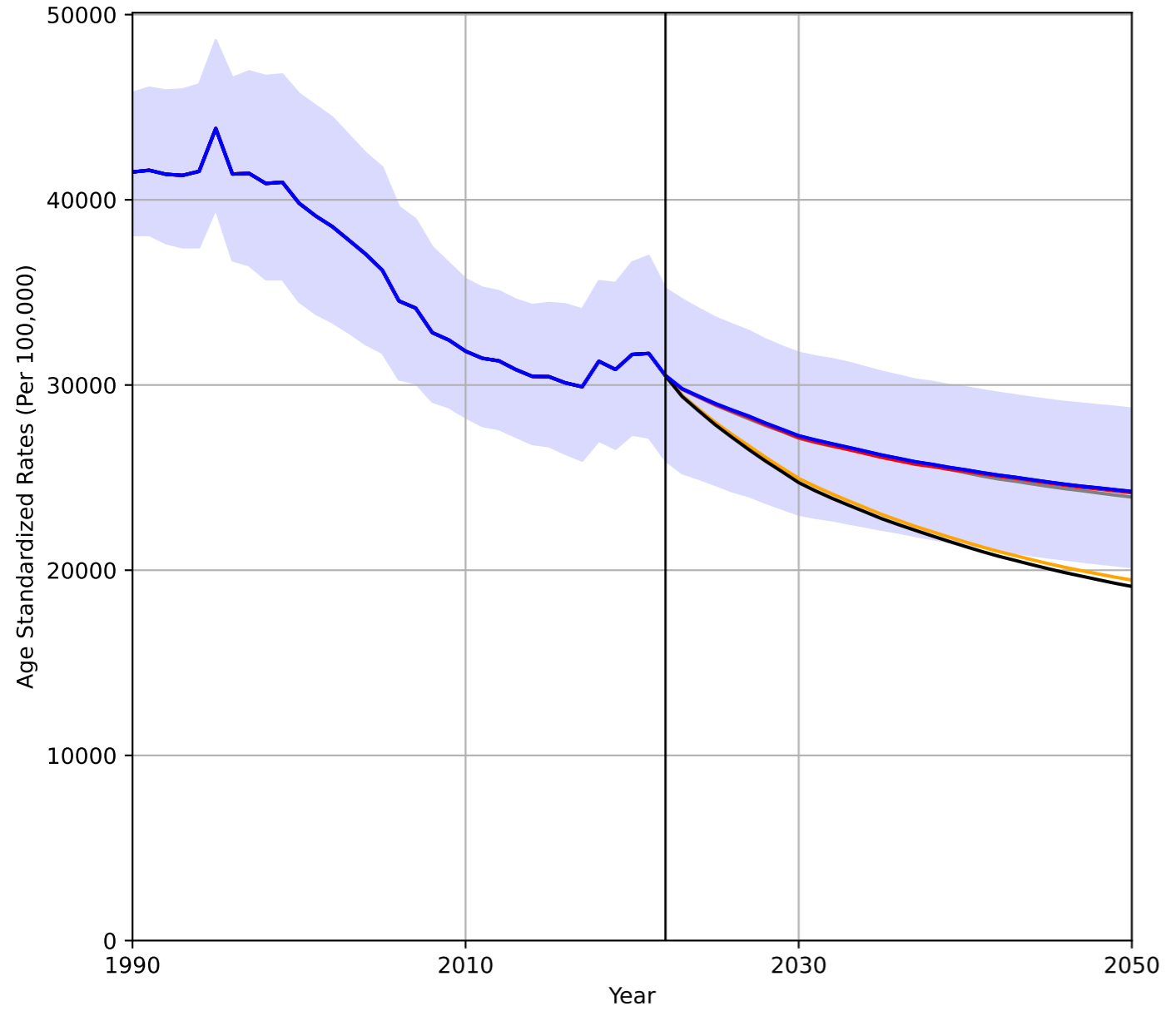
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# Cabo Verde

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

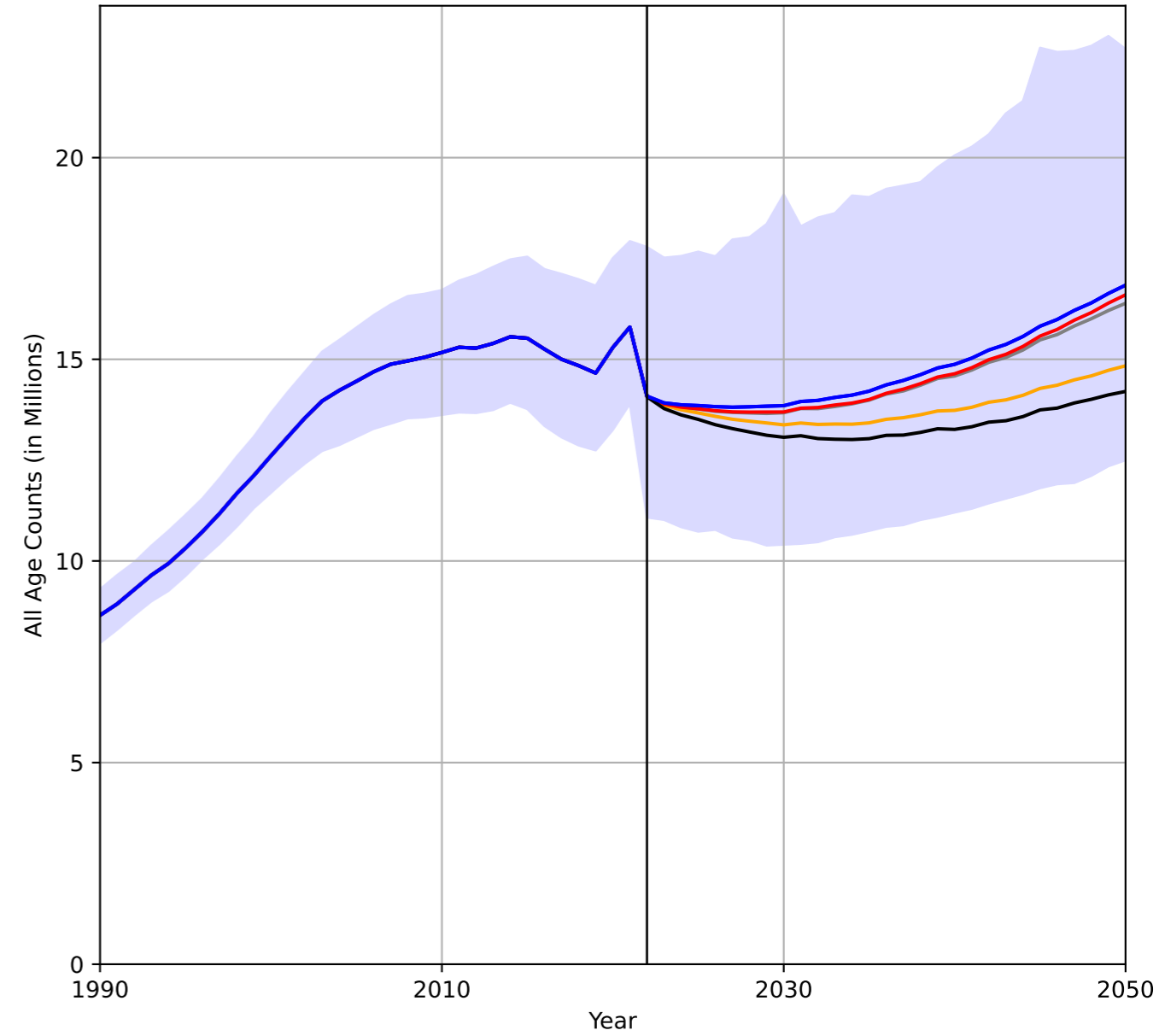
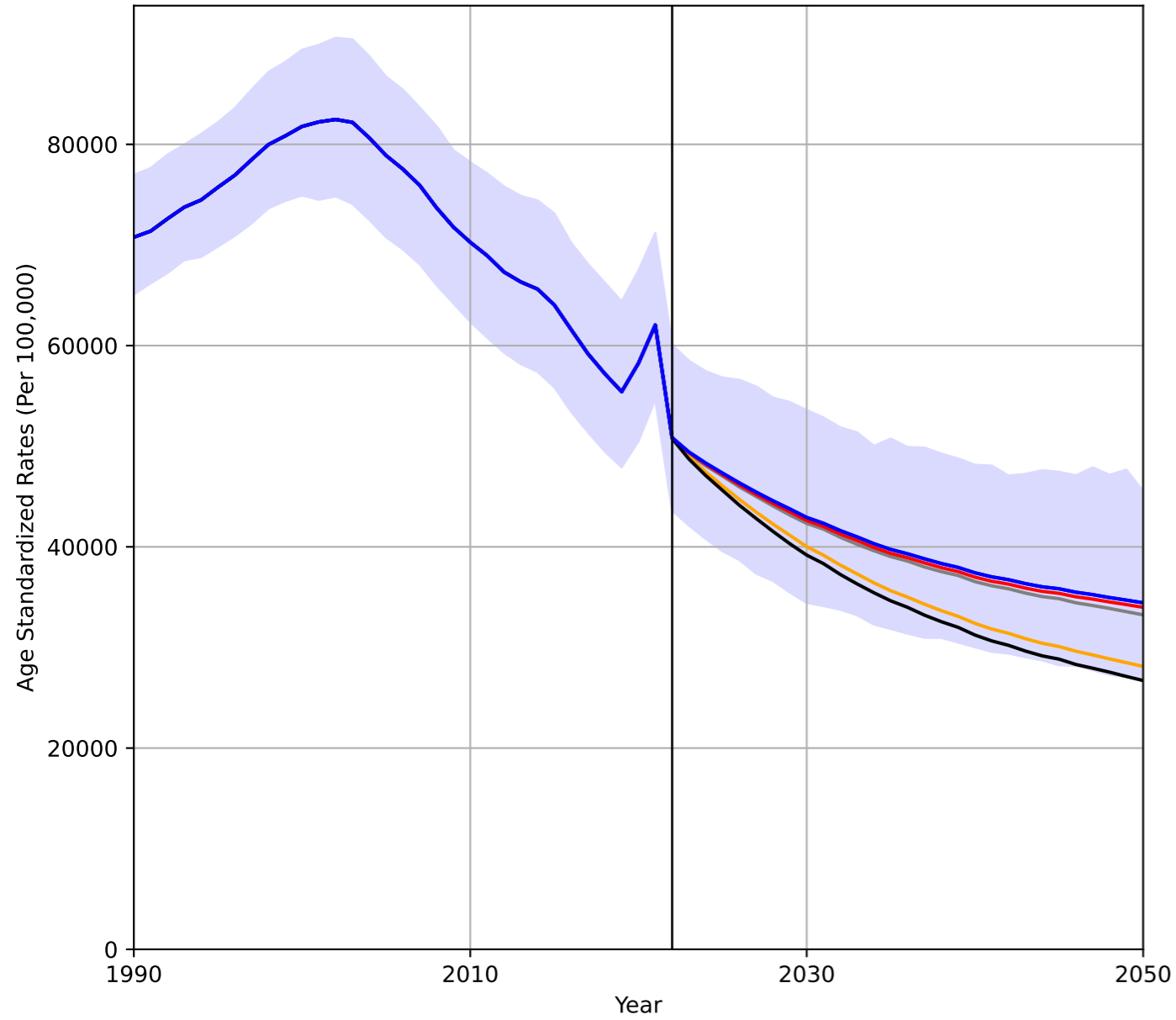
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# Cameroon

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1599

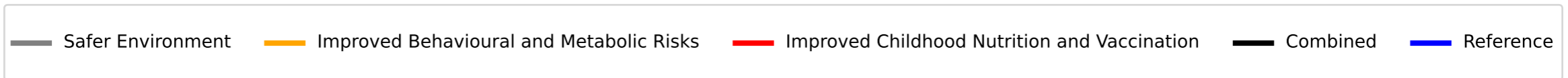
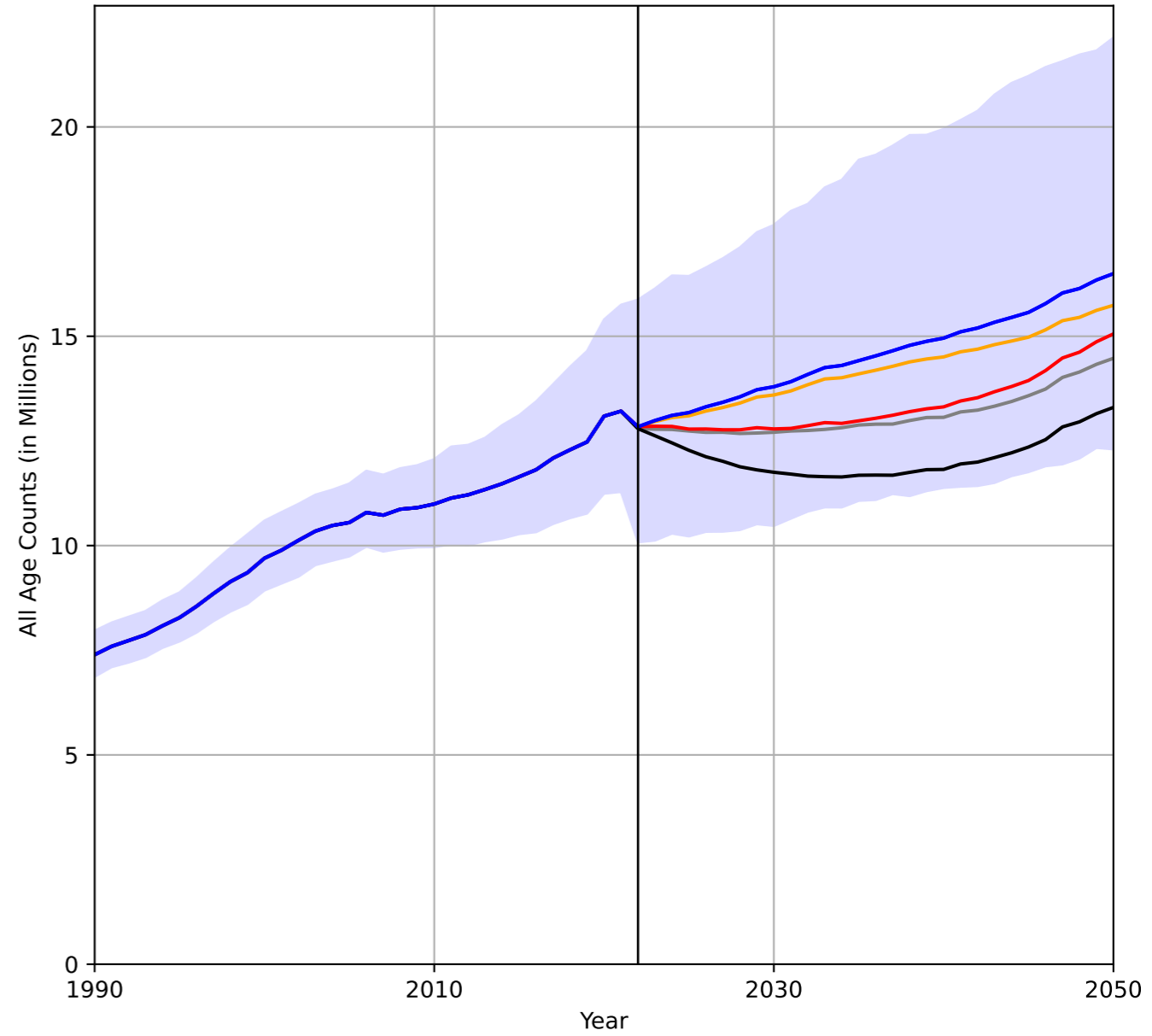
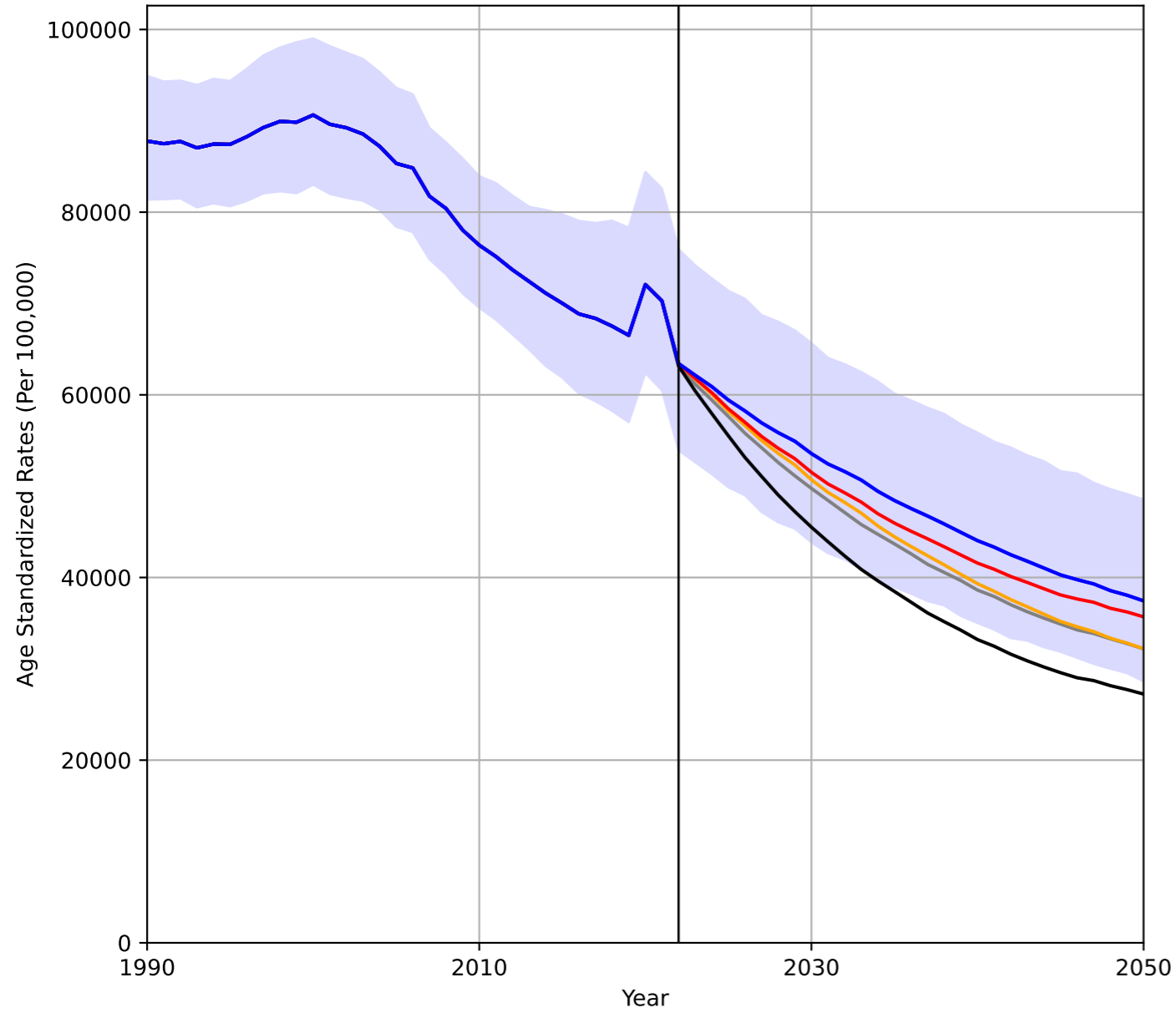




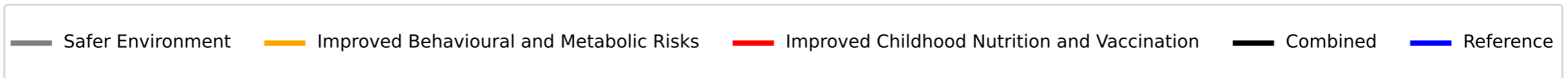
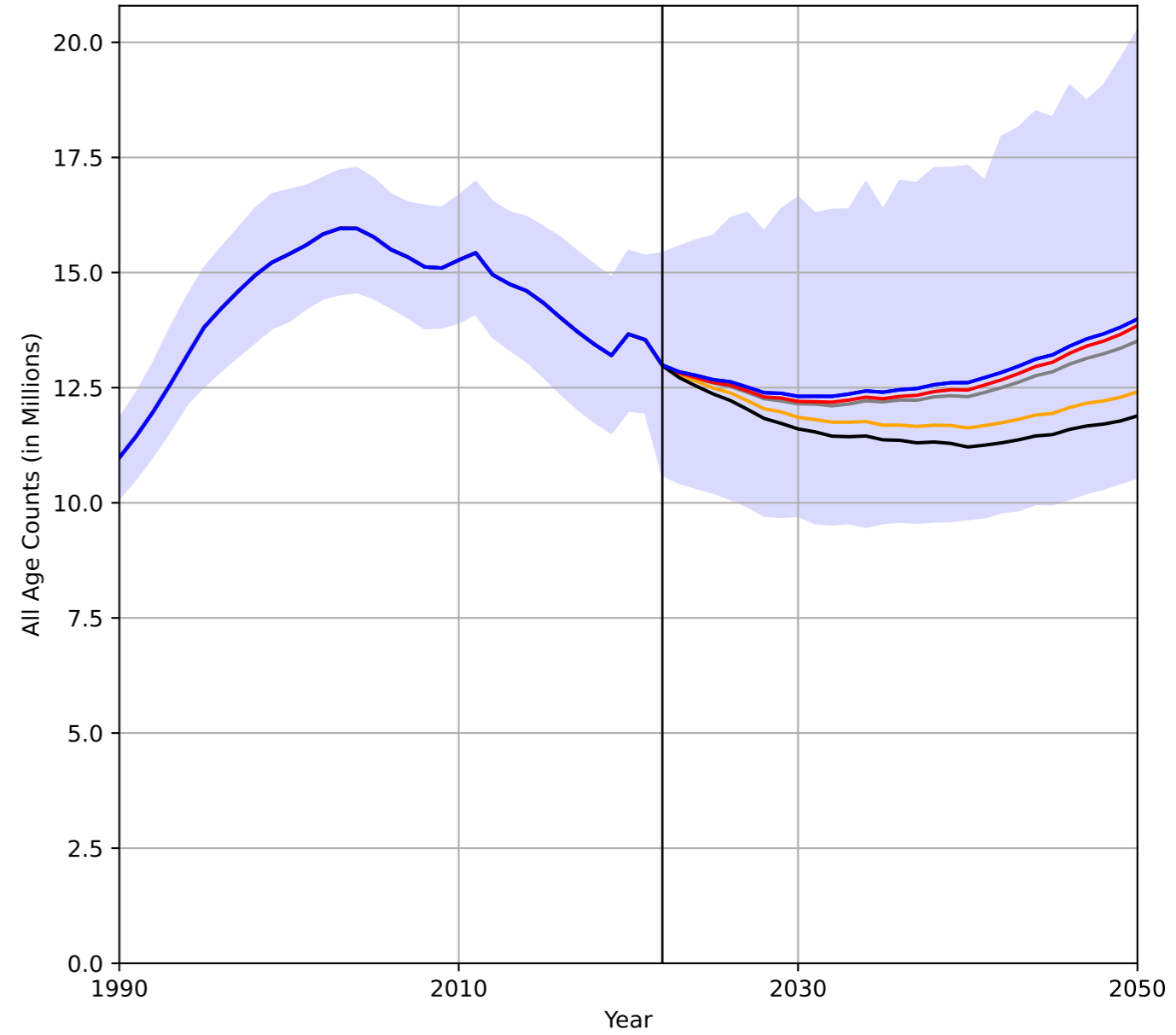
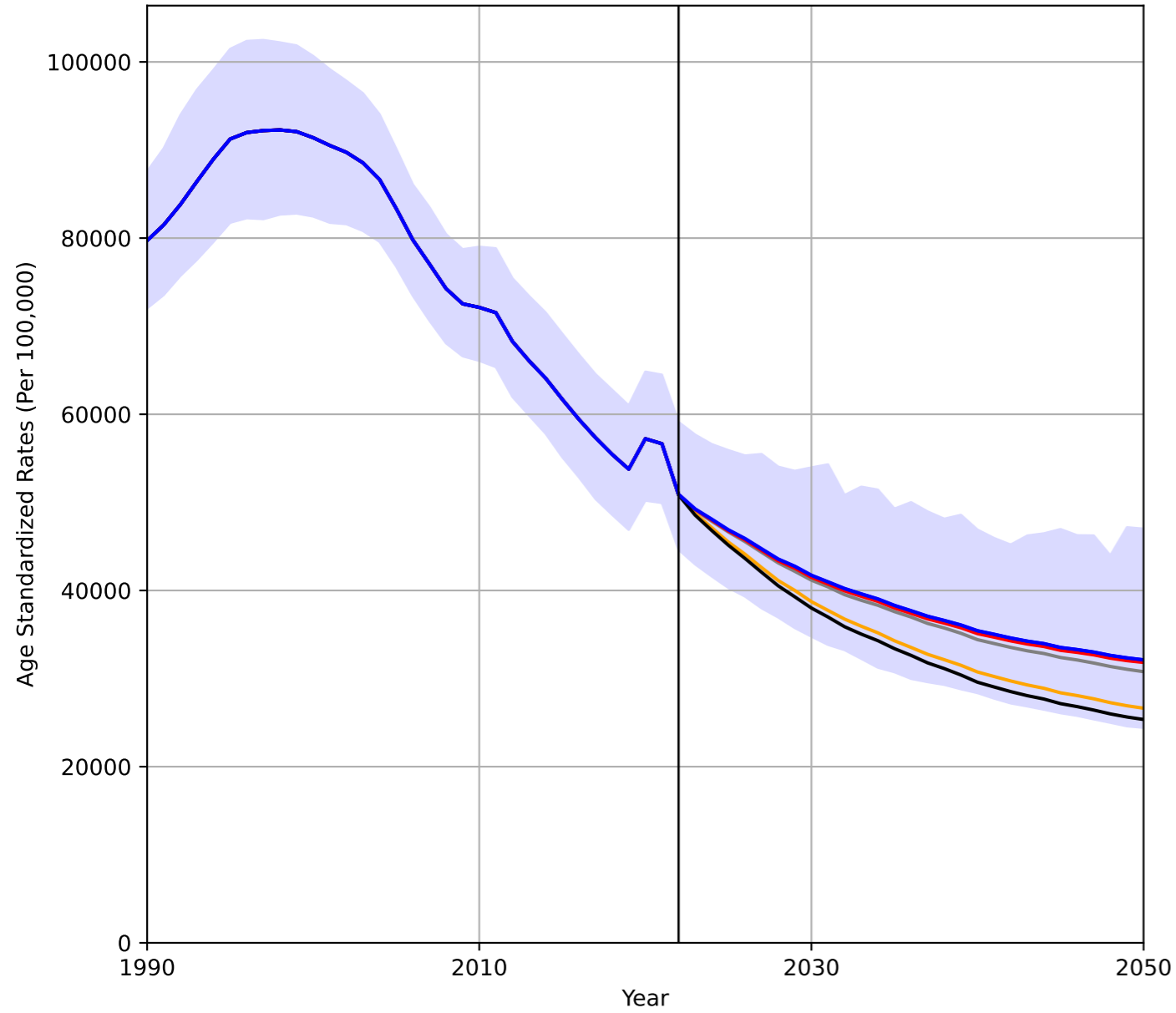
# Chad

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1600



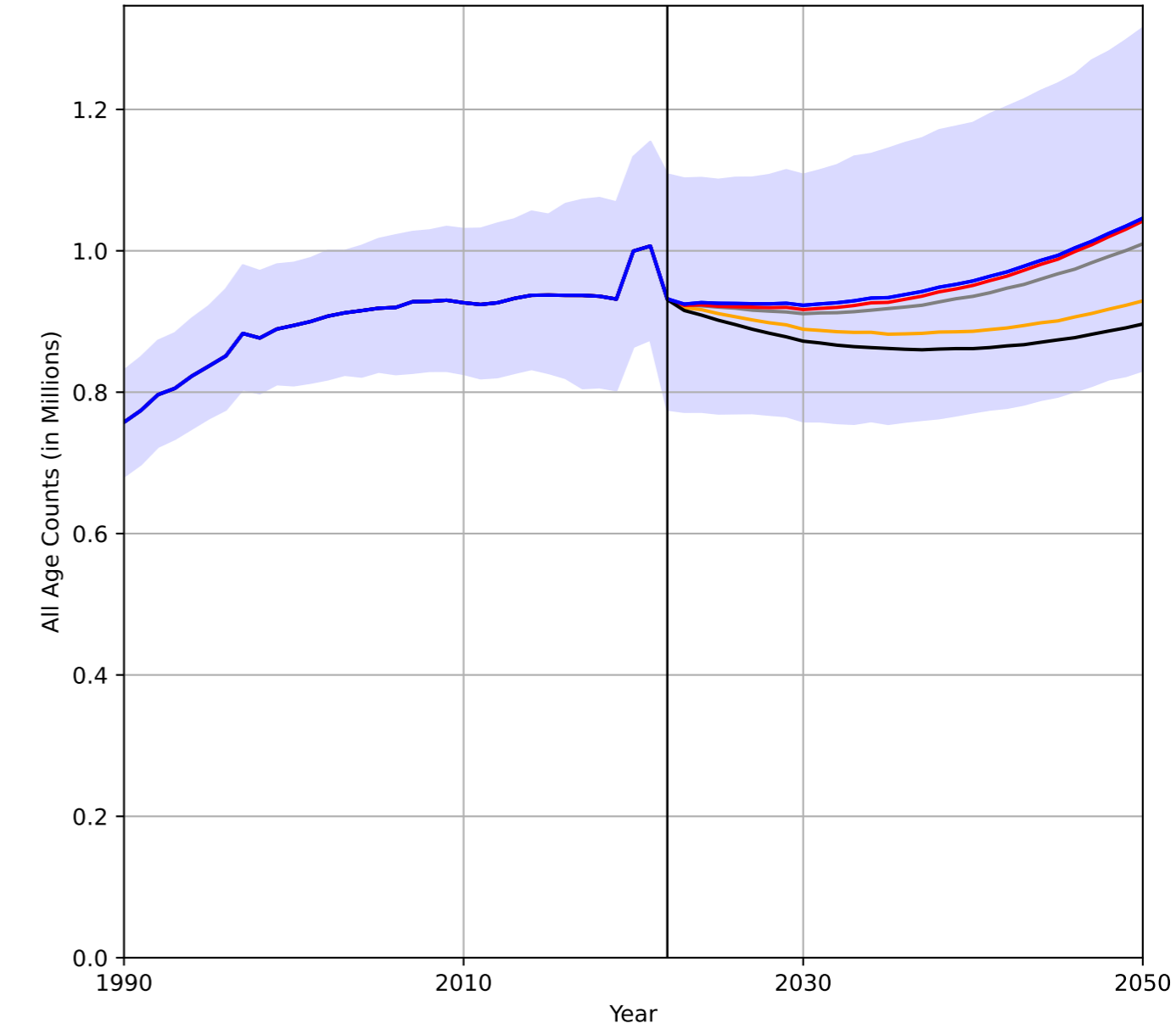
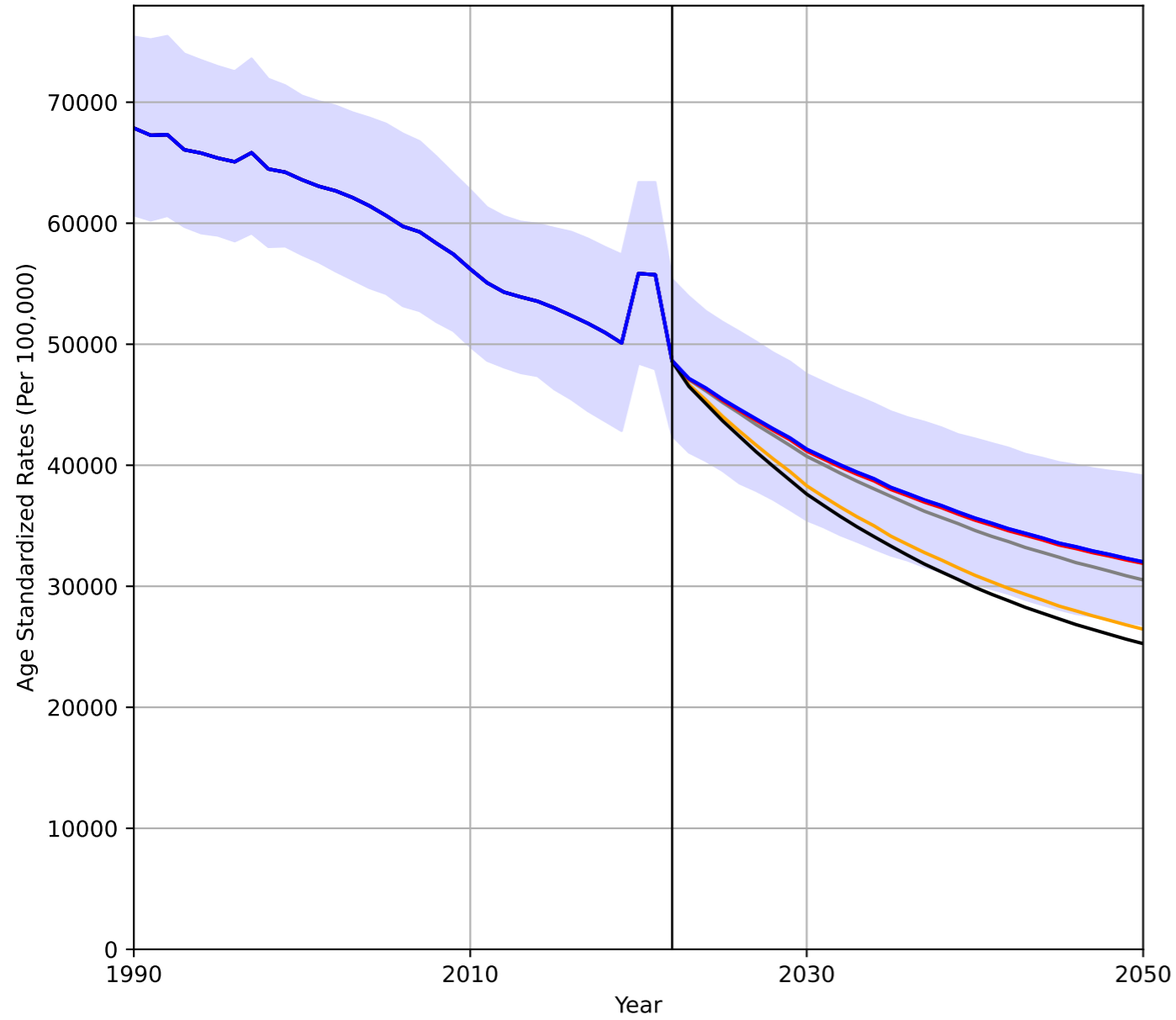
# Côte D'Ivoire



# The Gambia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

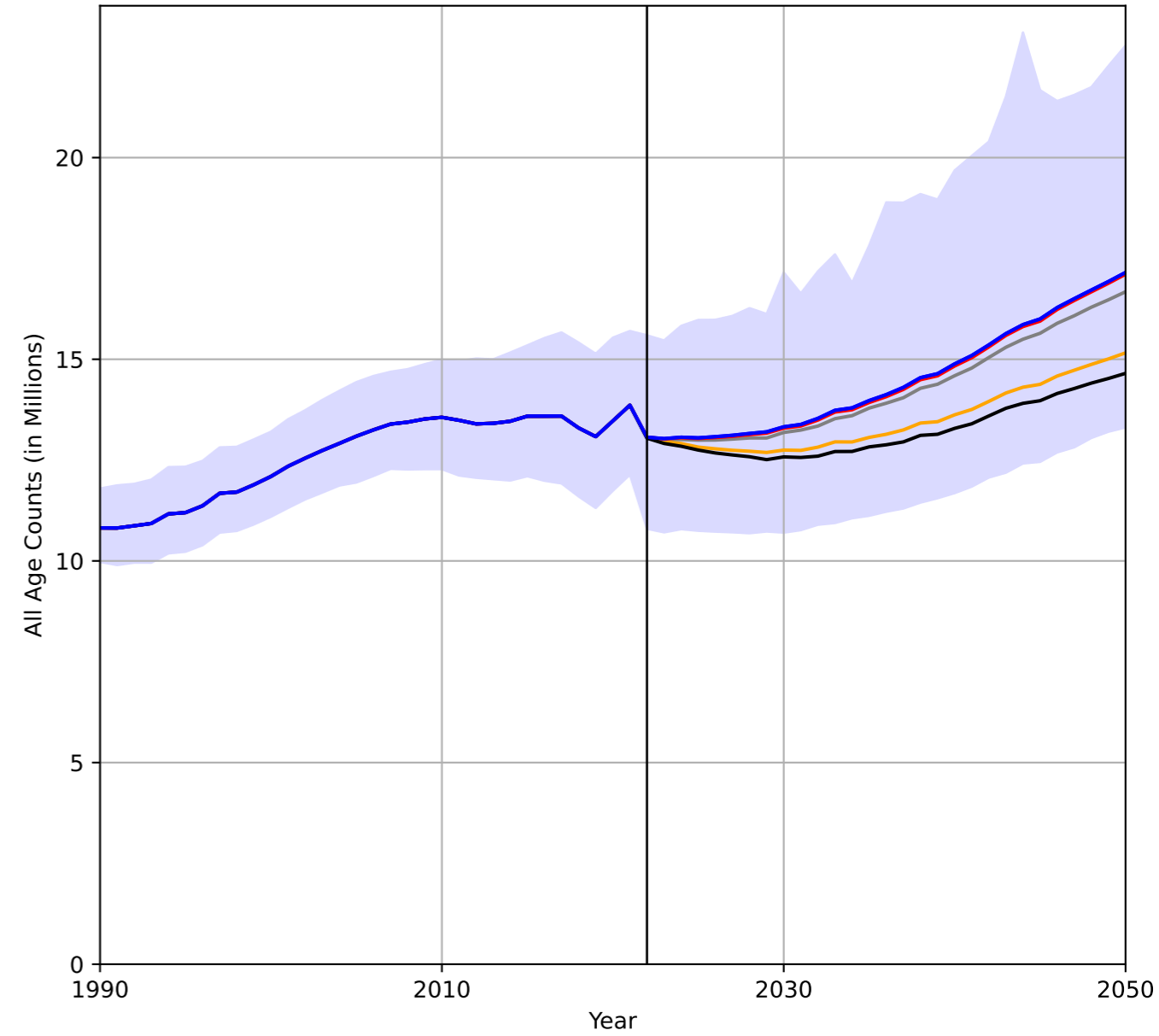
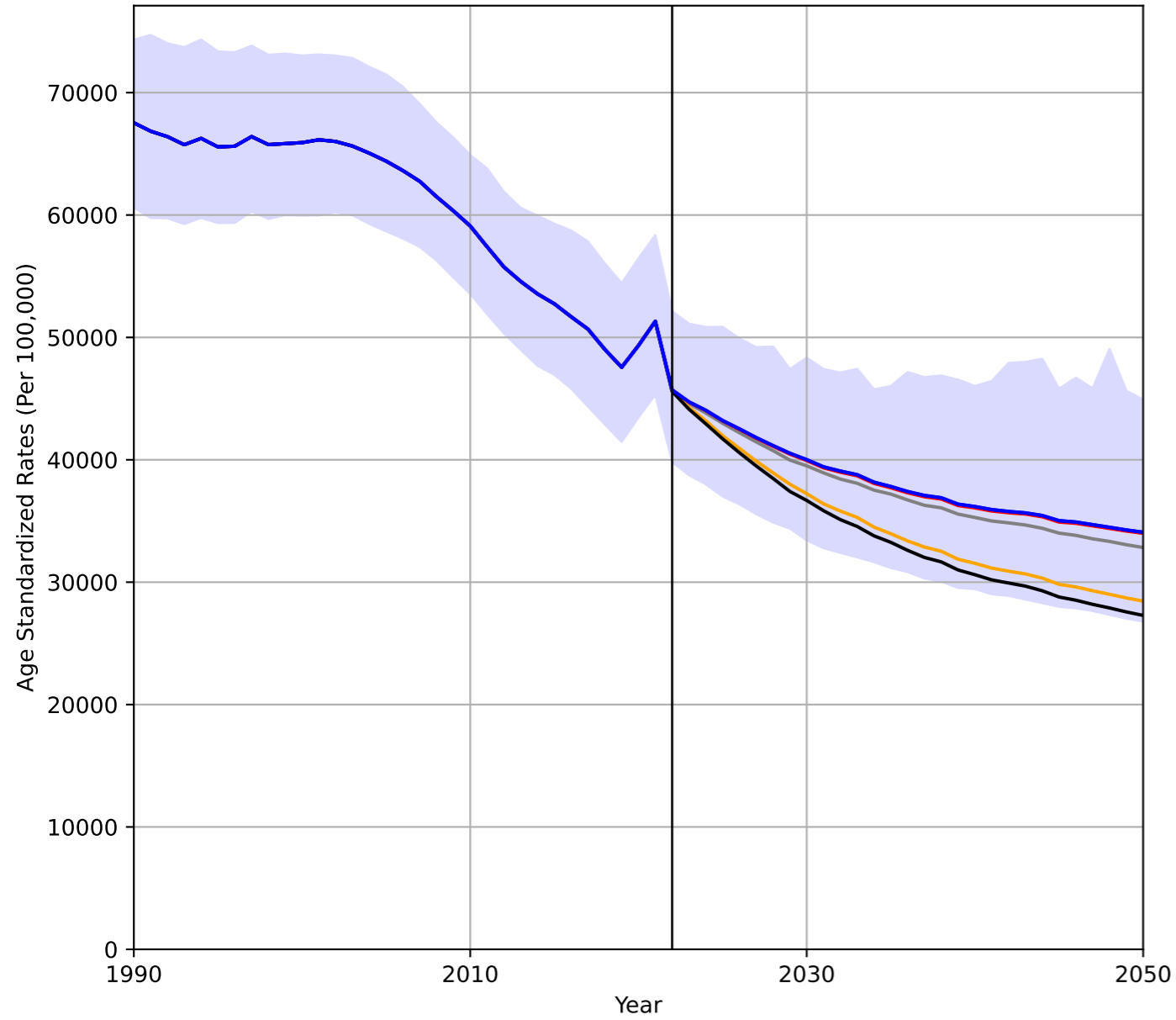
1602



# Ghana

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

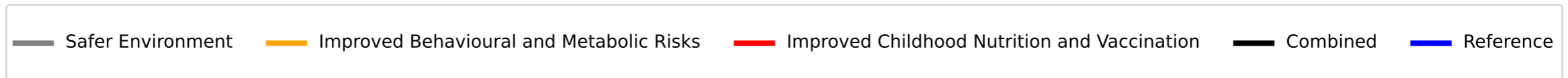
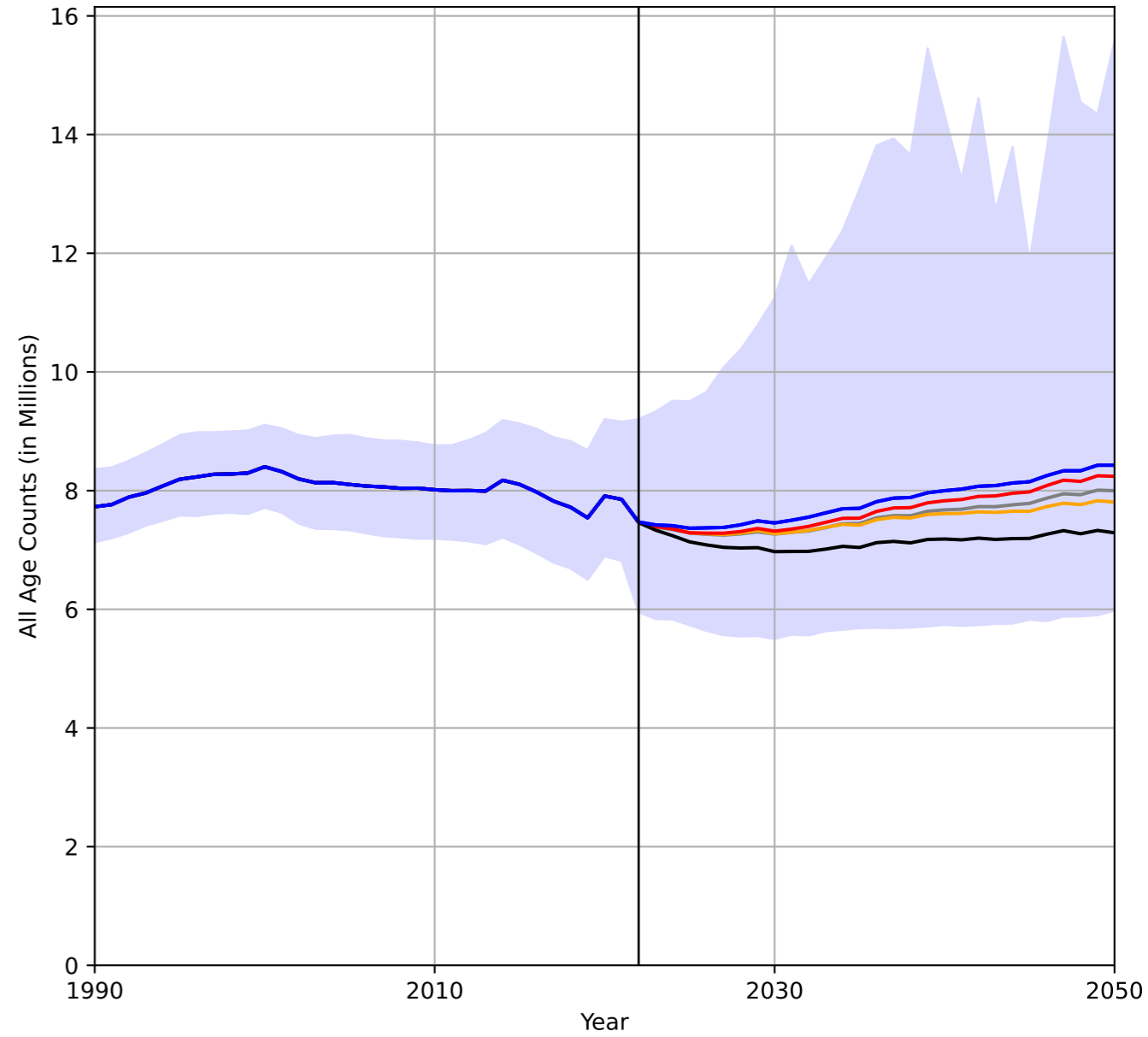
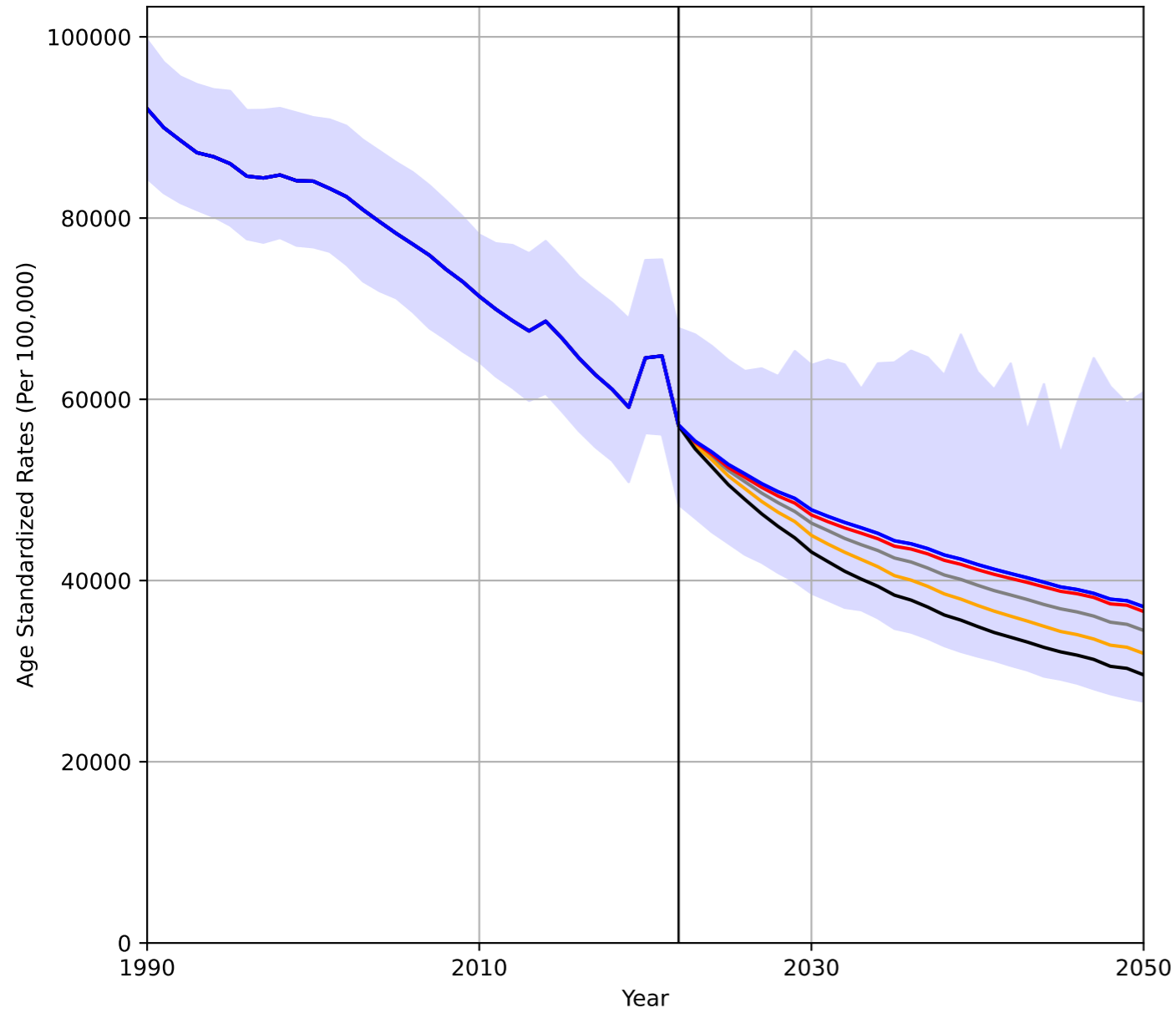
1603



# Guinea

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

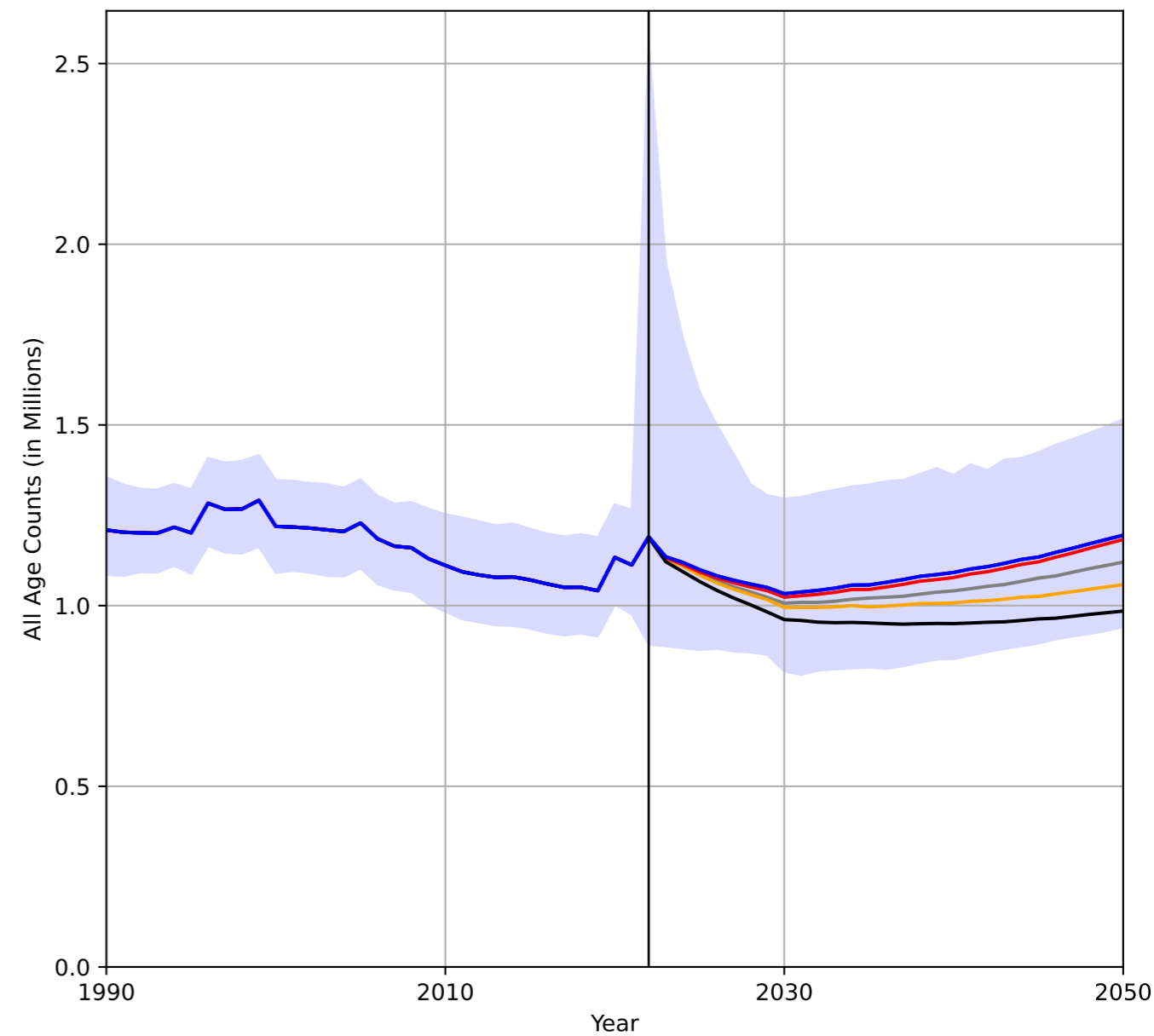
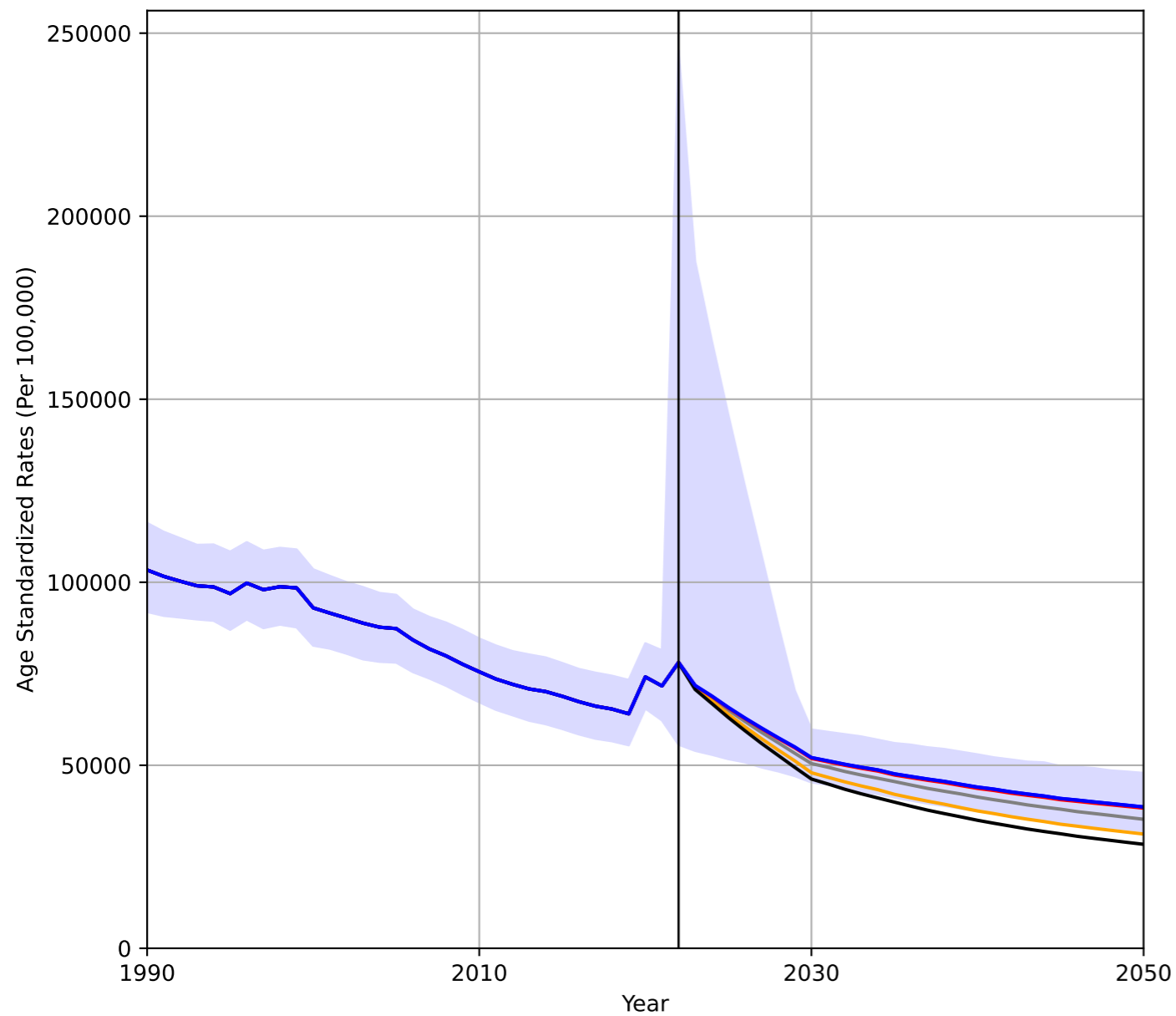
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# Guinea-Bissau

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

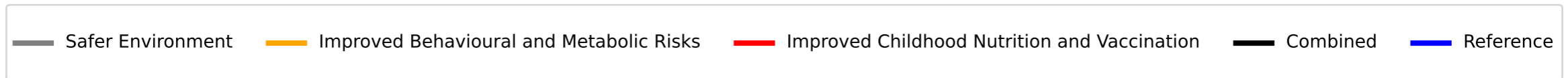
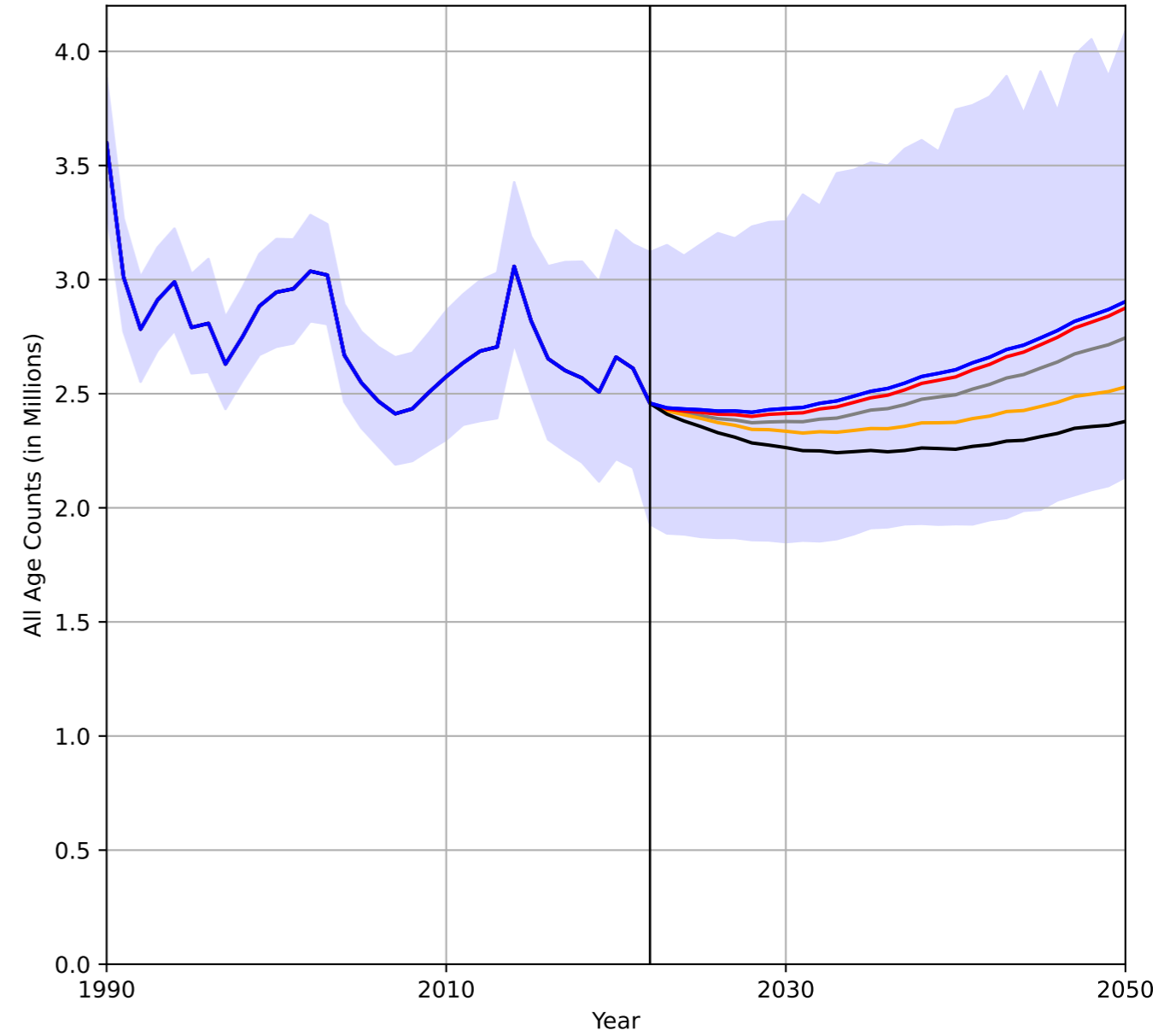
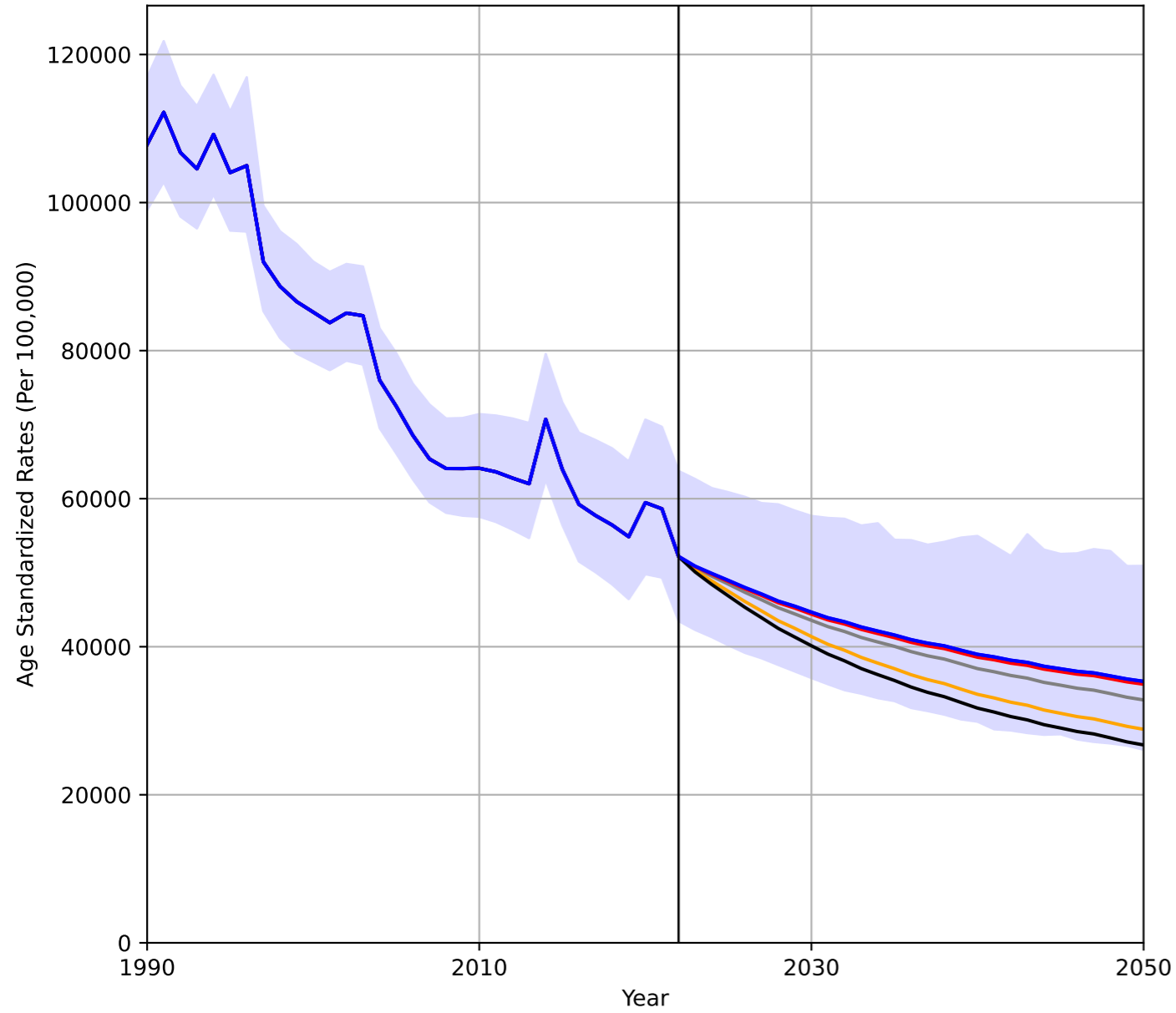
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# Liberia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

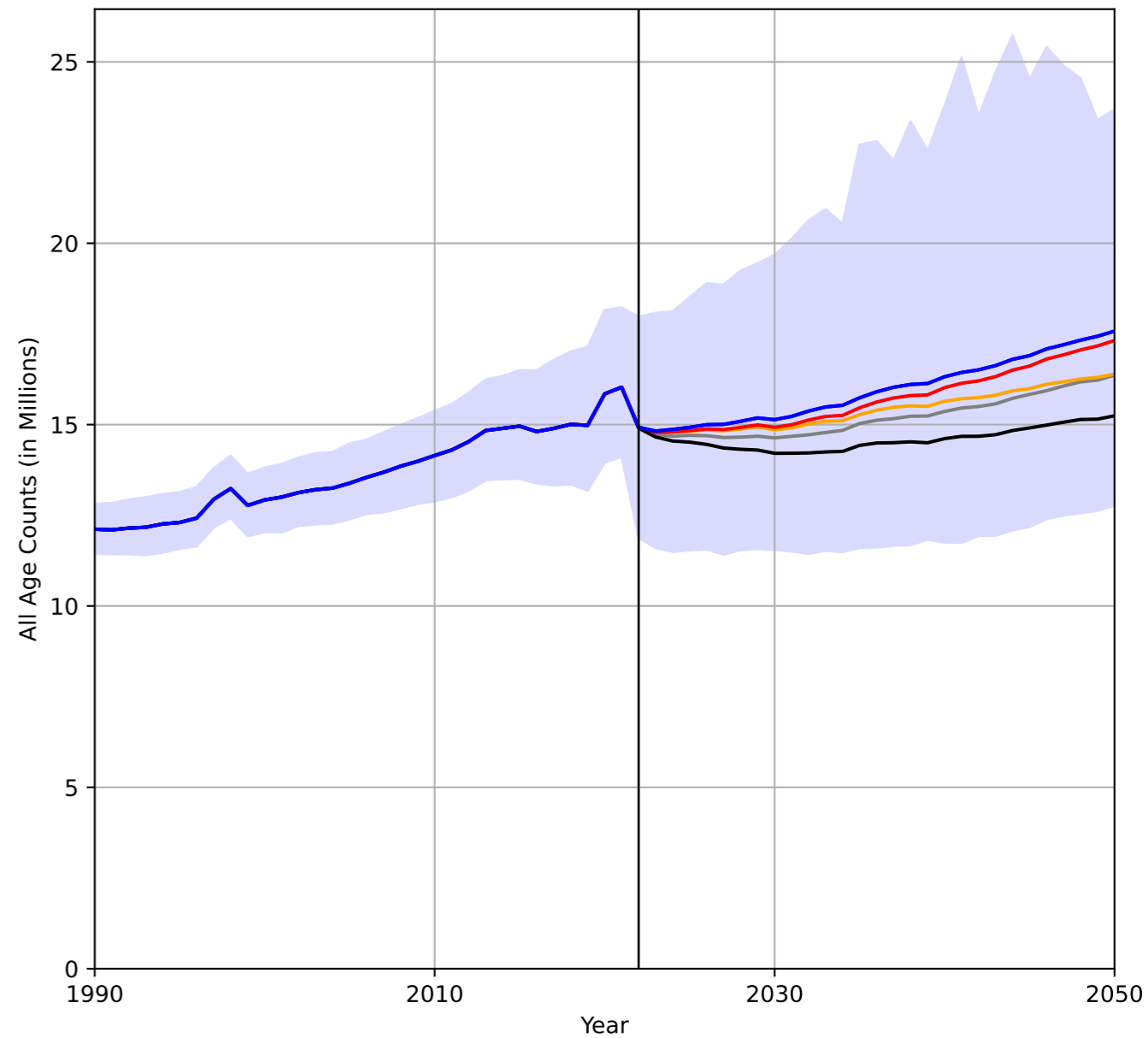
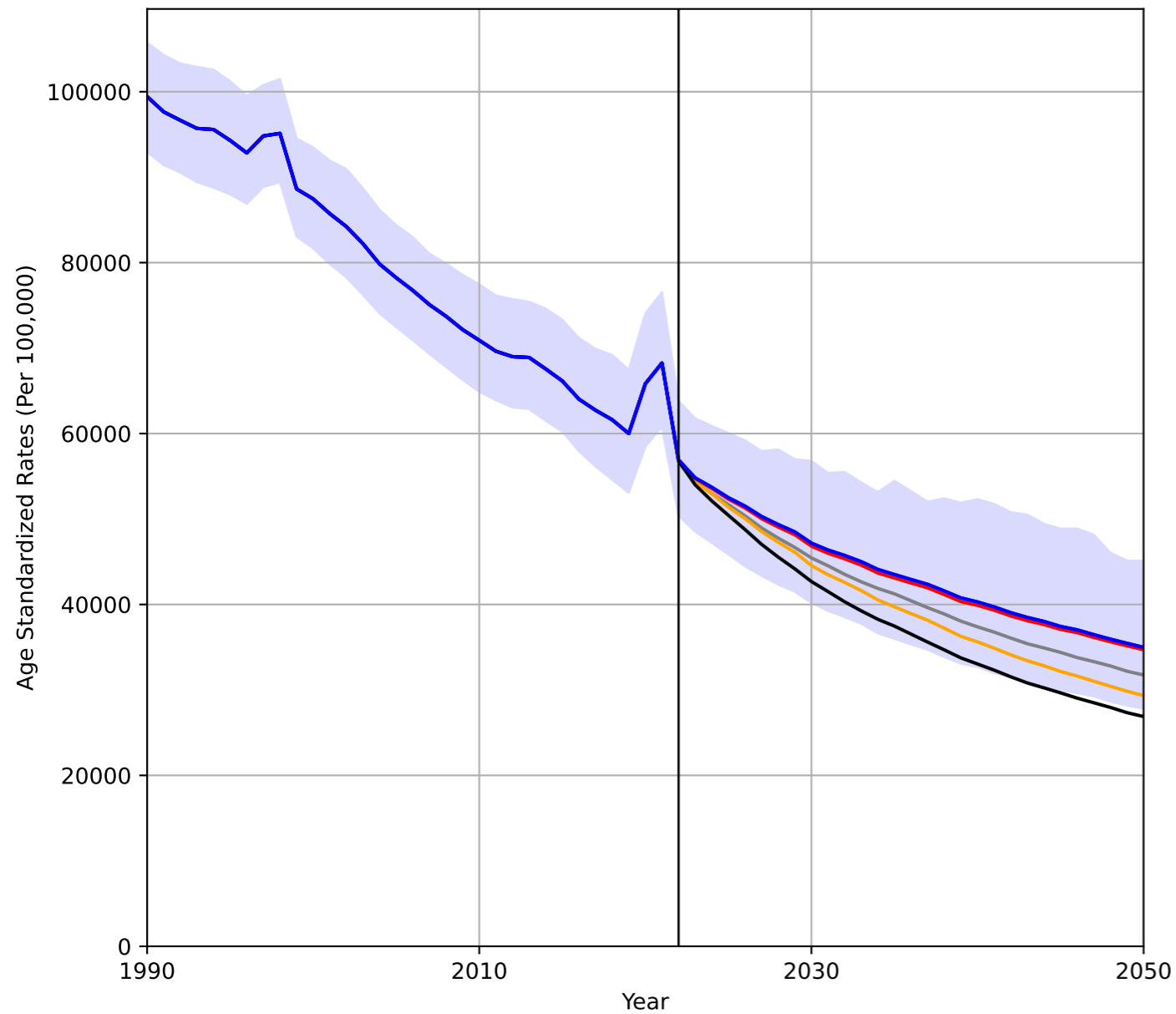
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# Mali

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1607

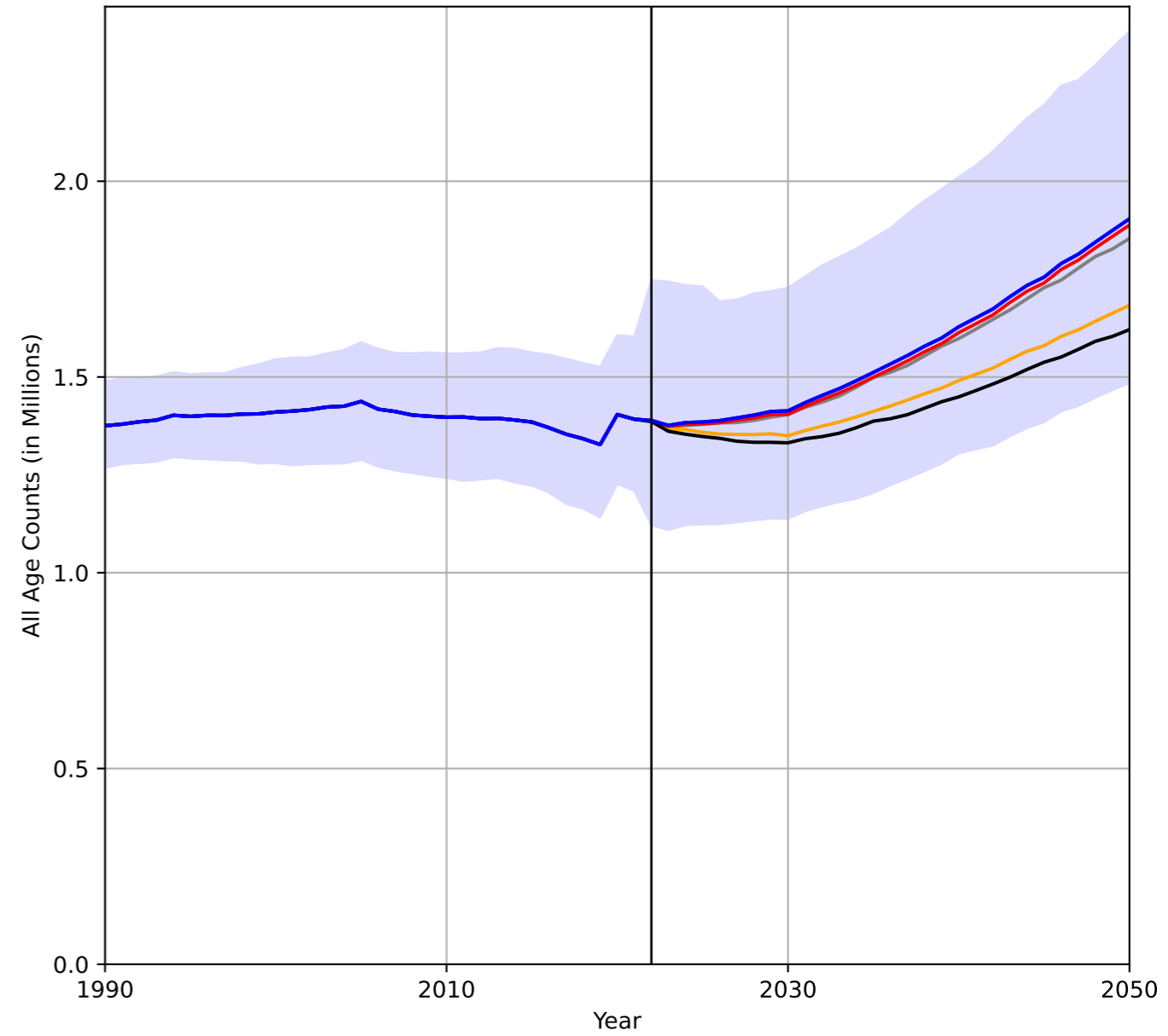
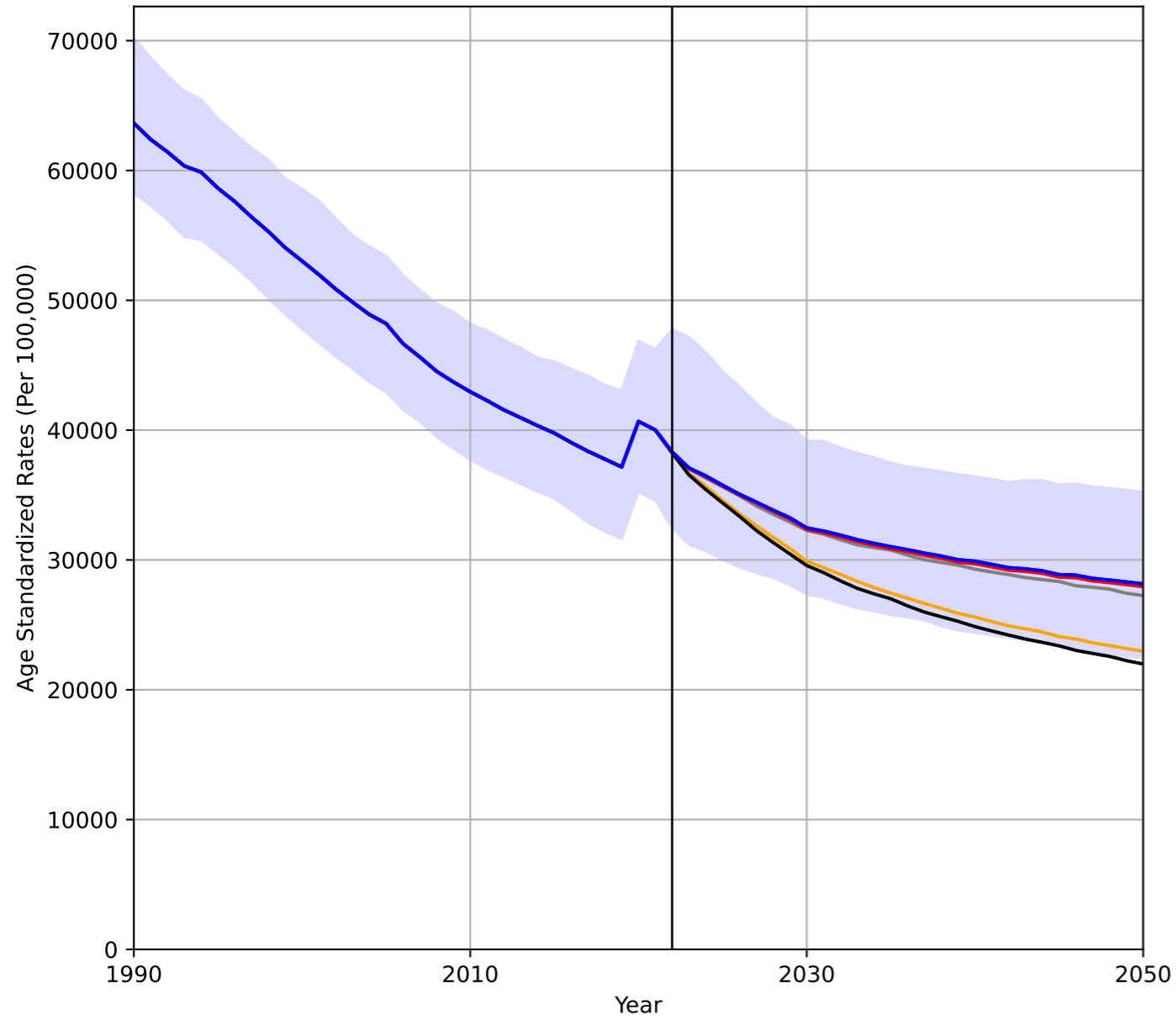




# Mauritania

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

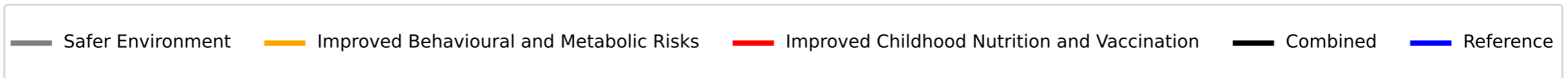
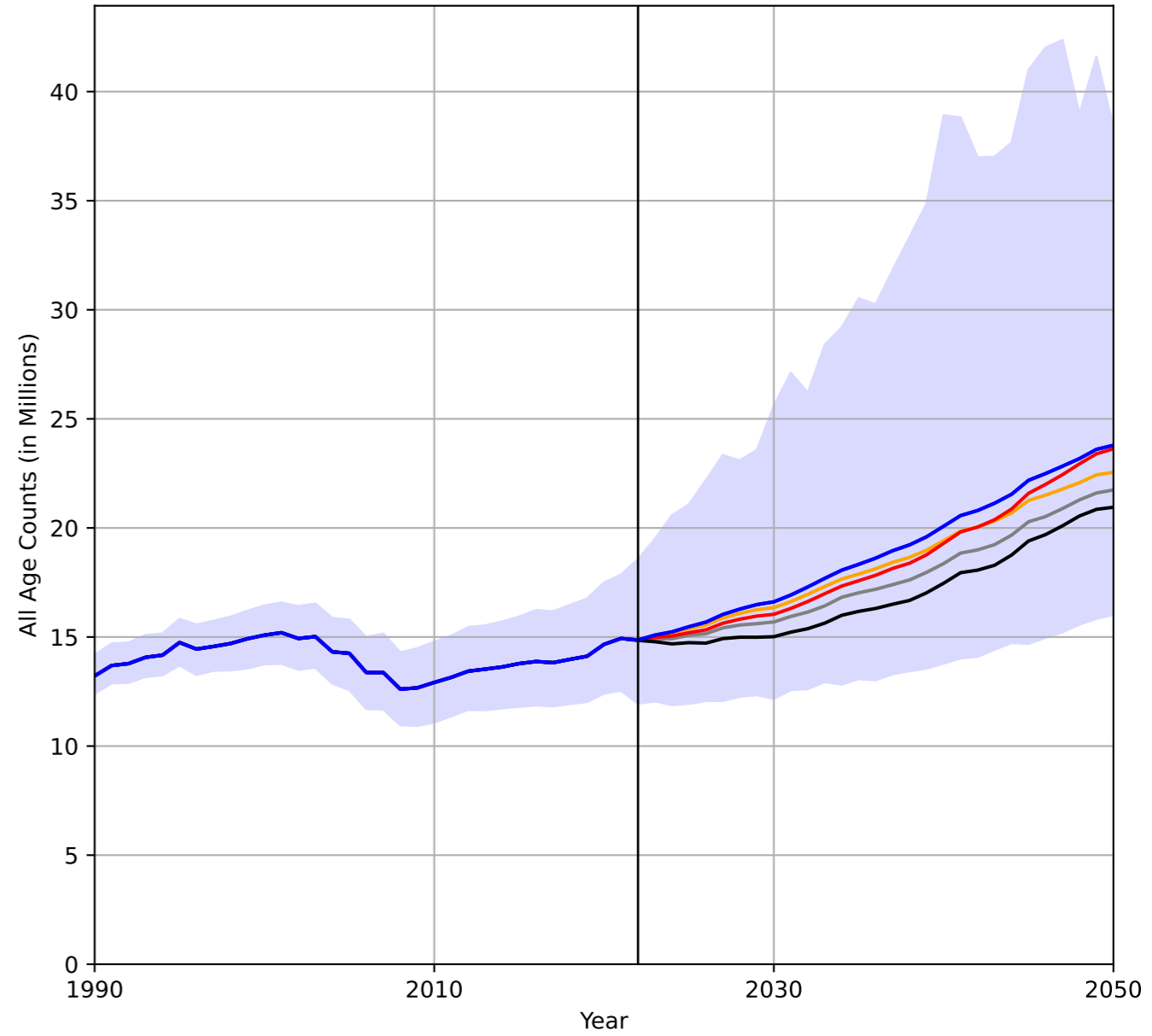
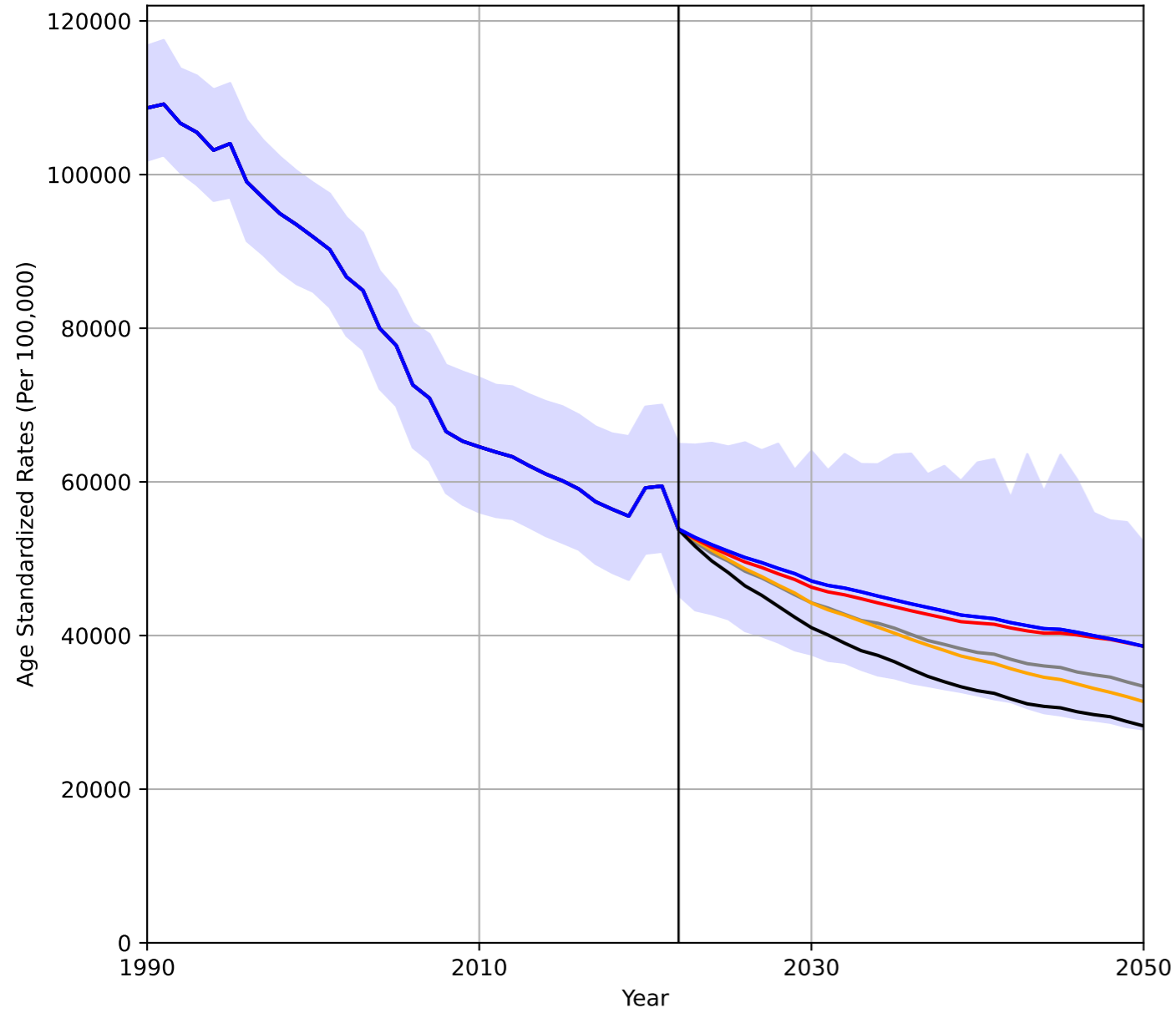
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# Niger

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

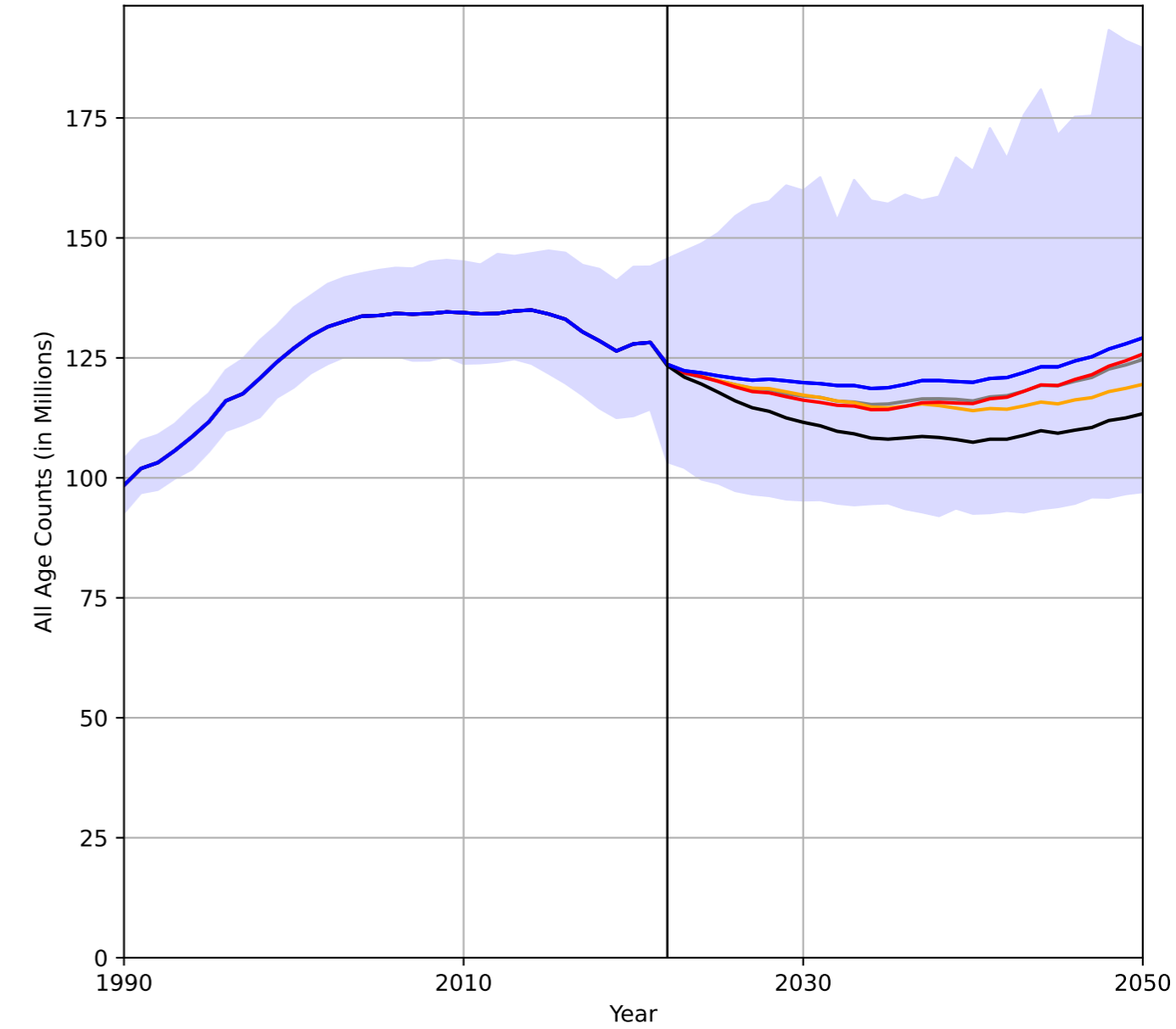
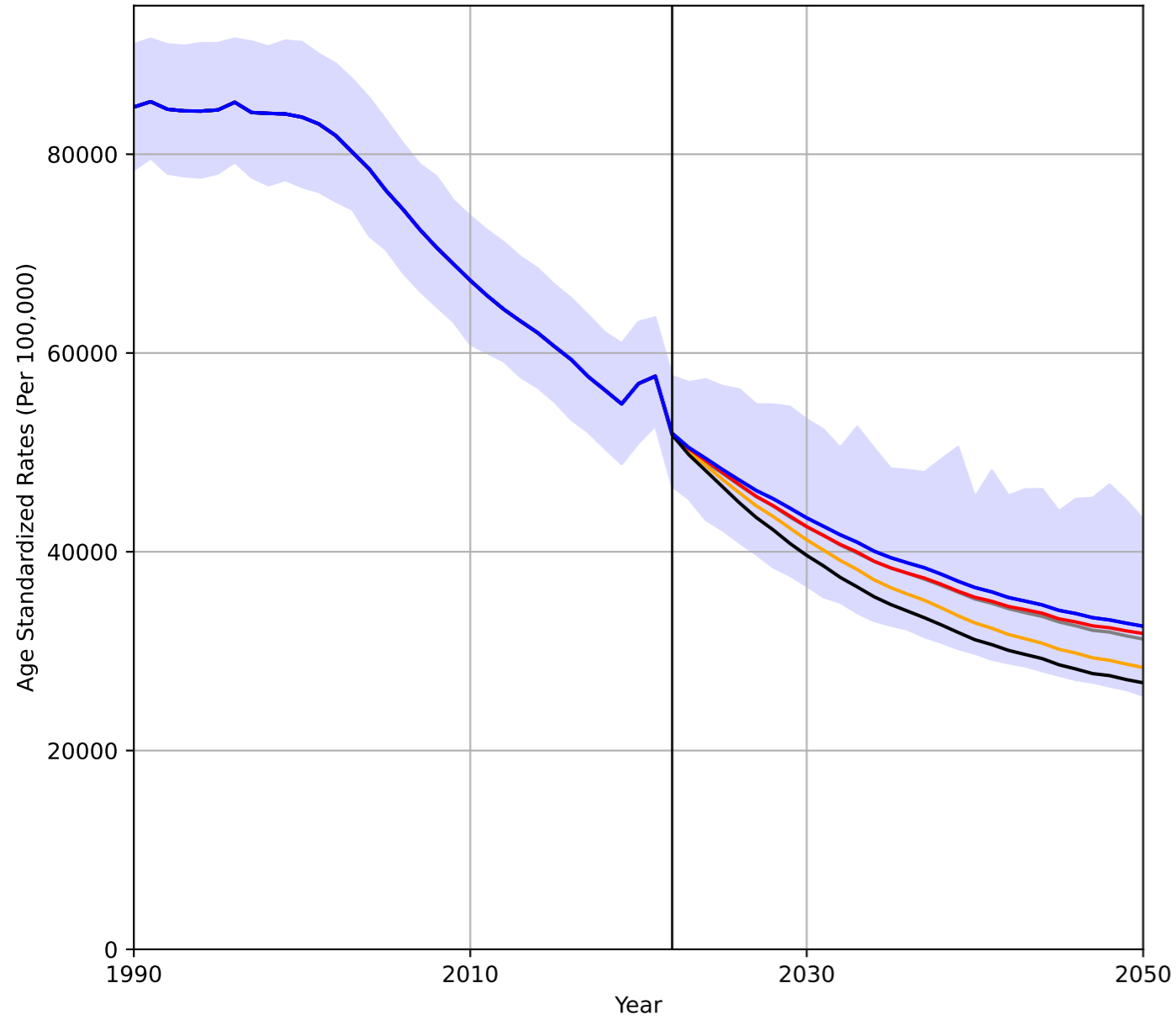
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# Nigeria

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

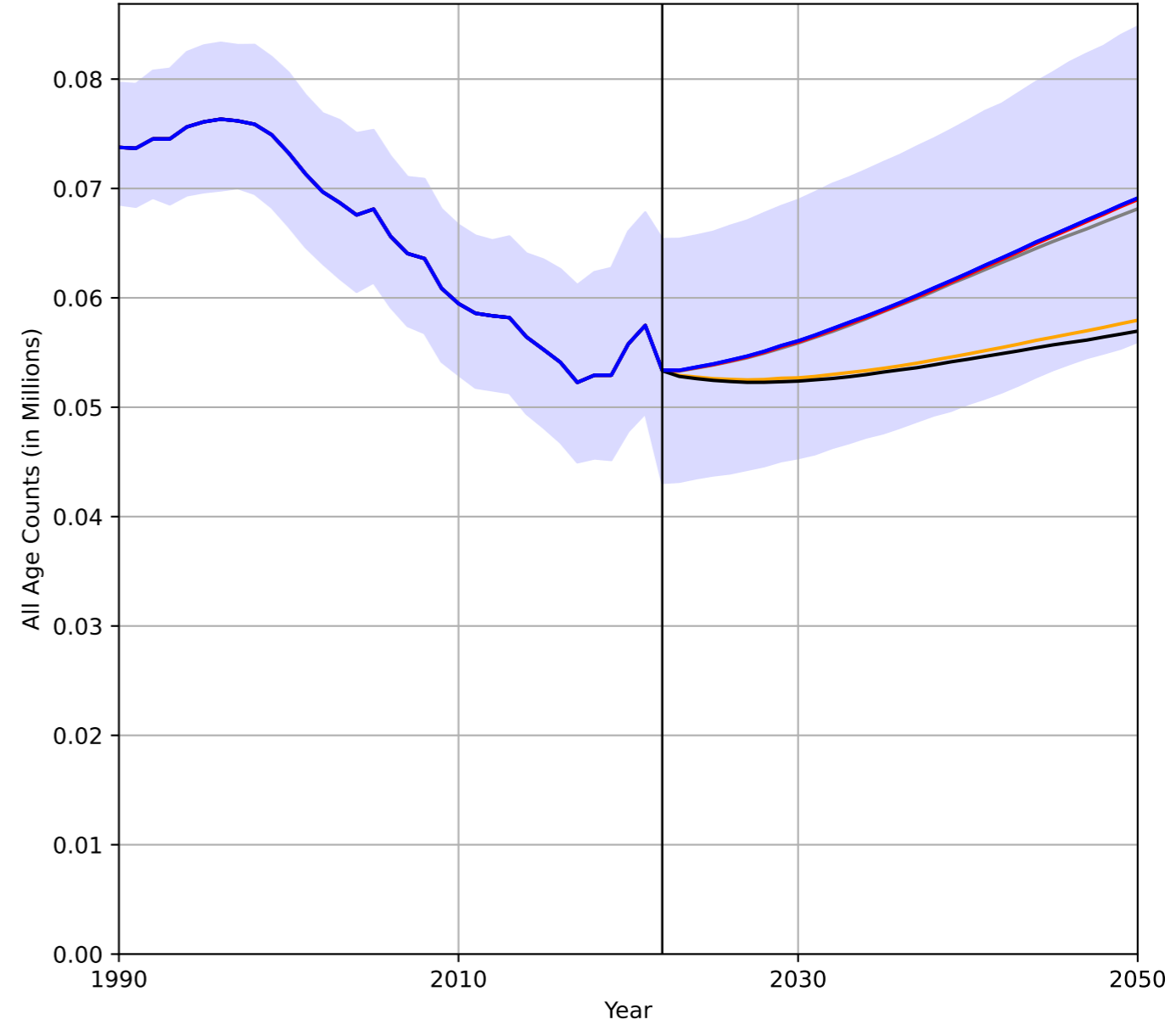
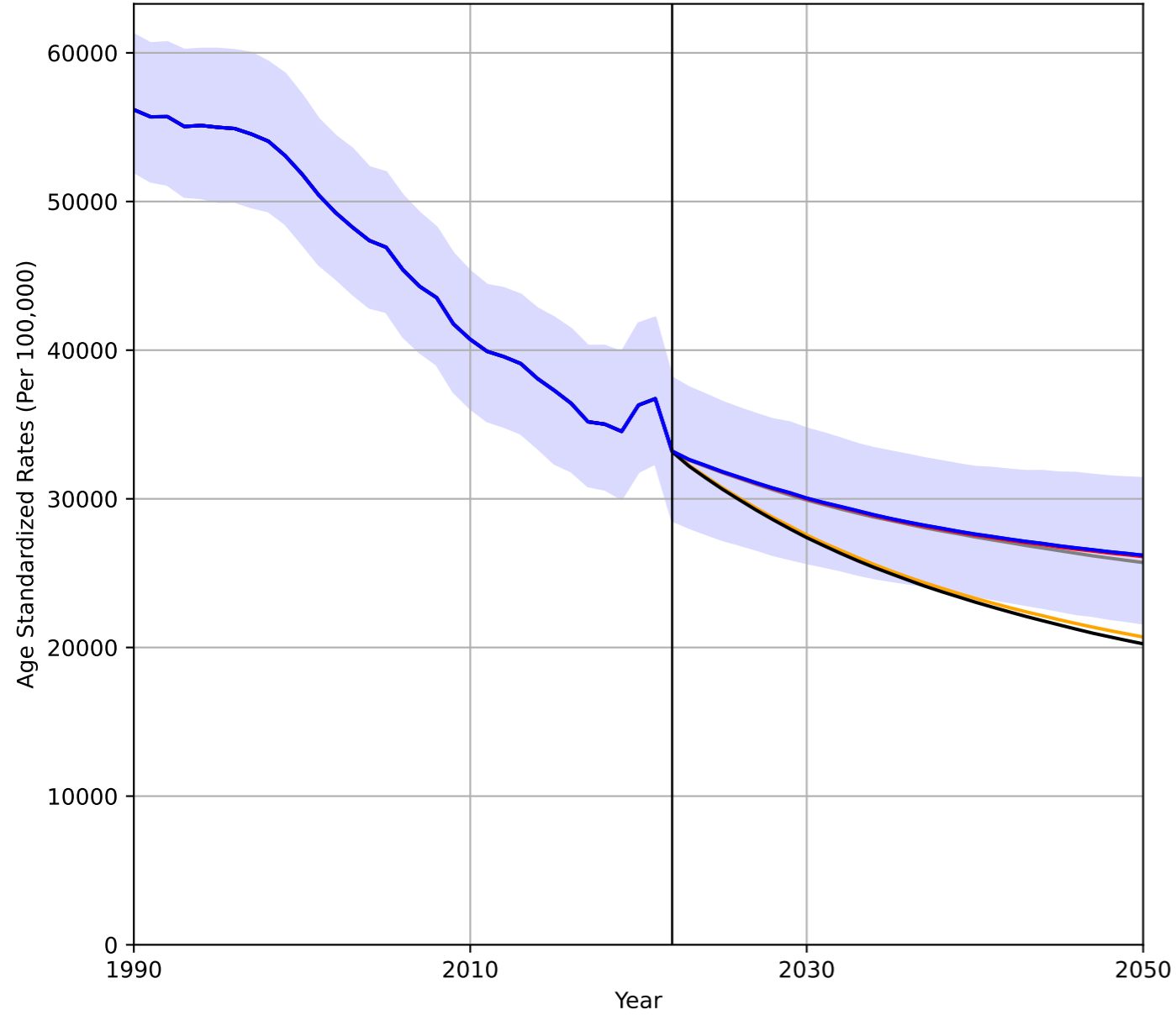
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# São Tomé And Príncipe

1611

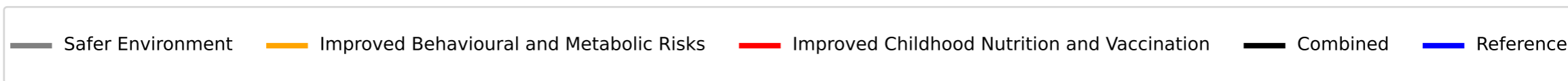
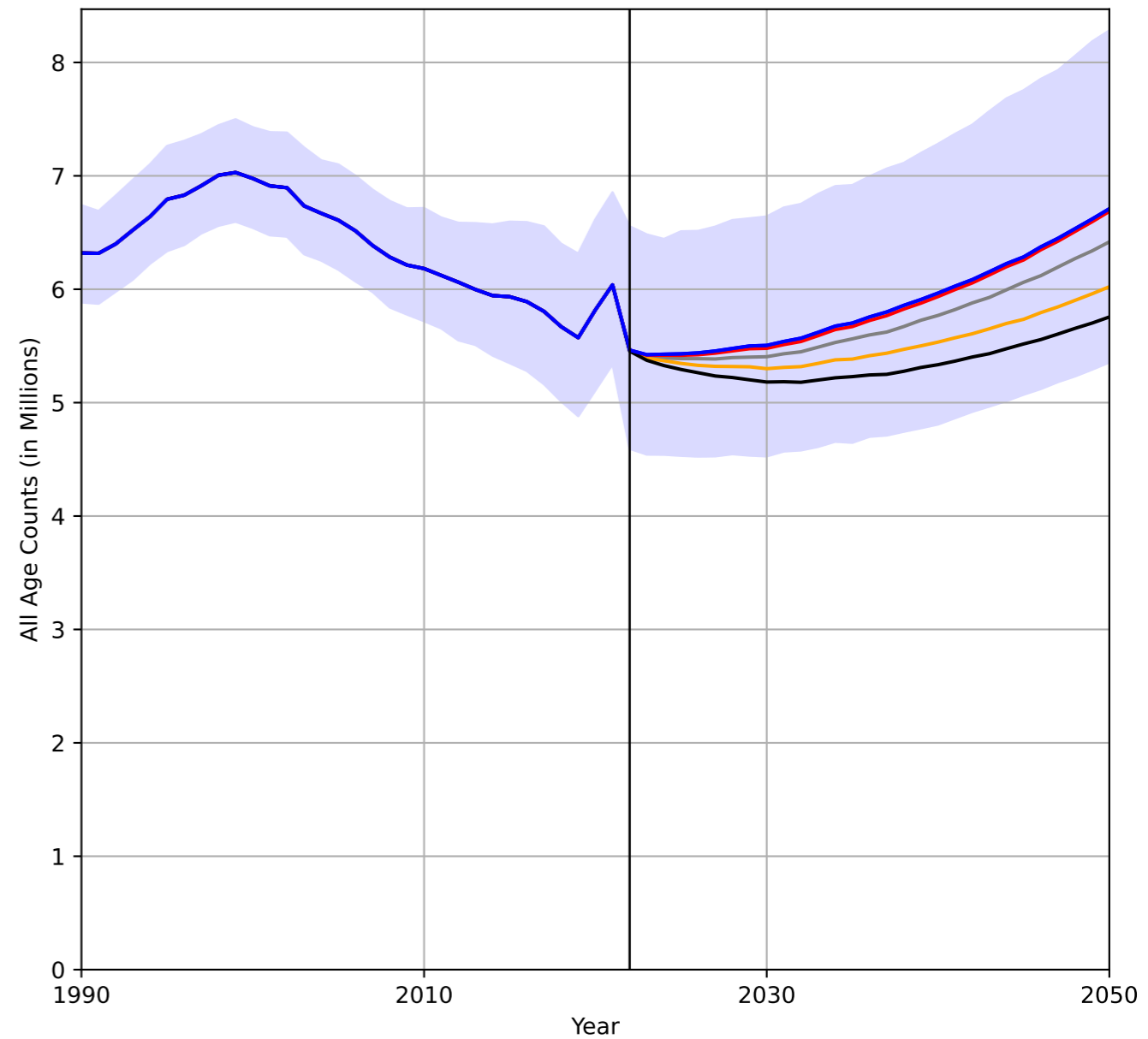
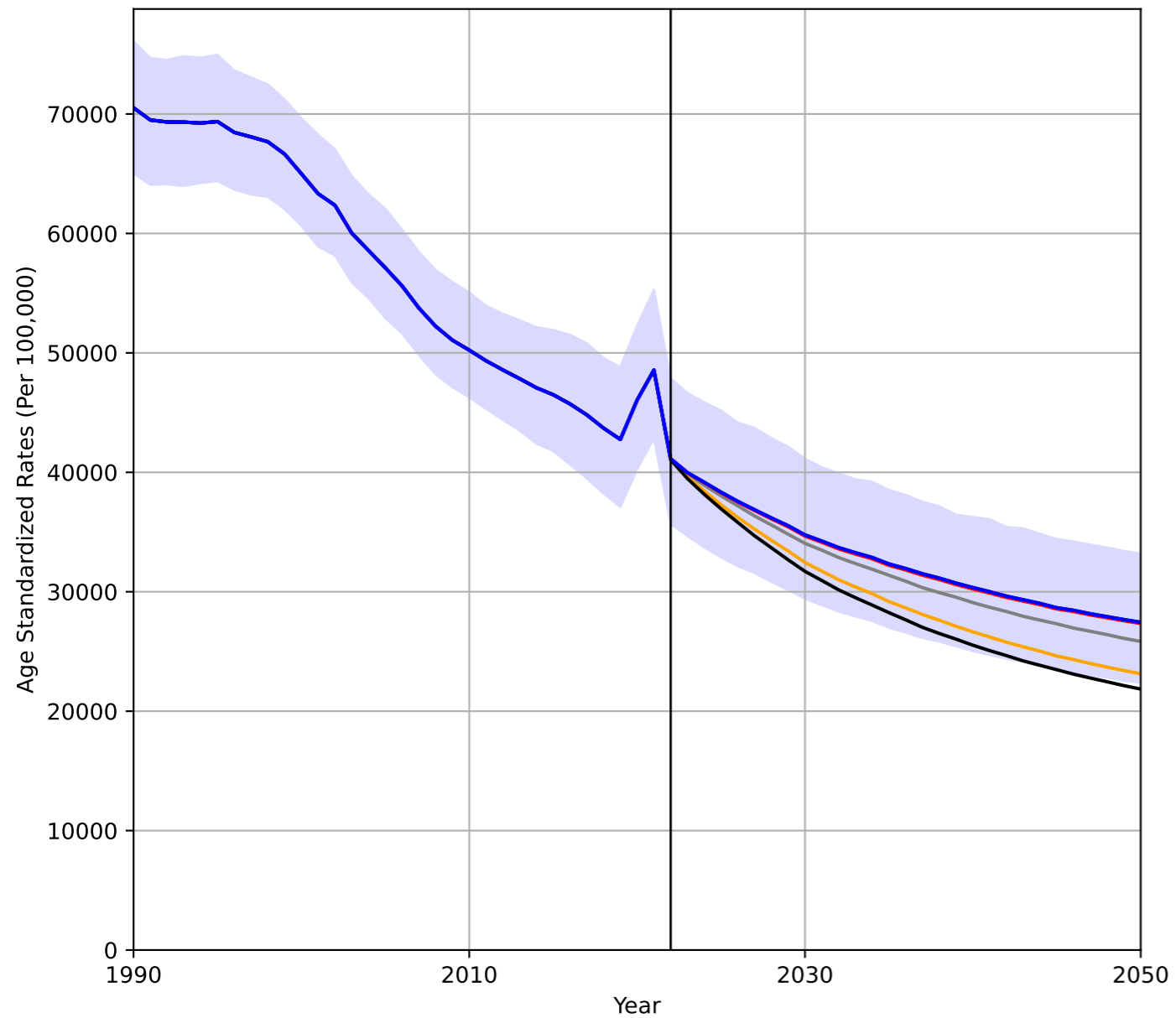
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Senegal

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

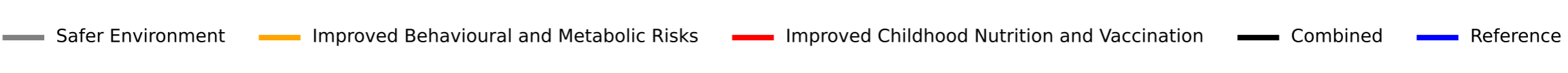
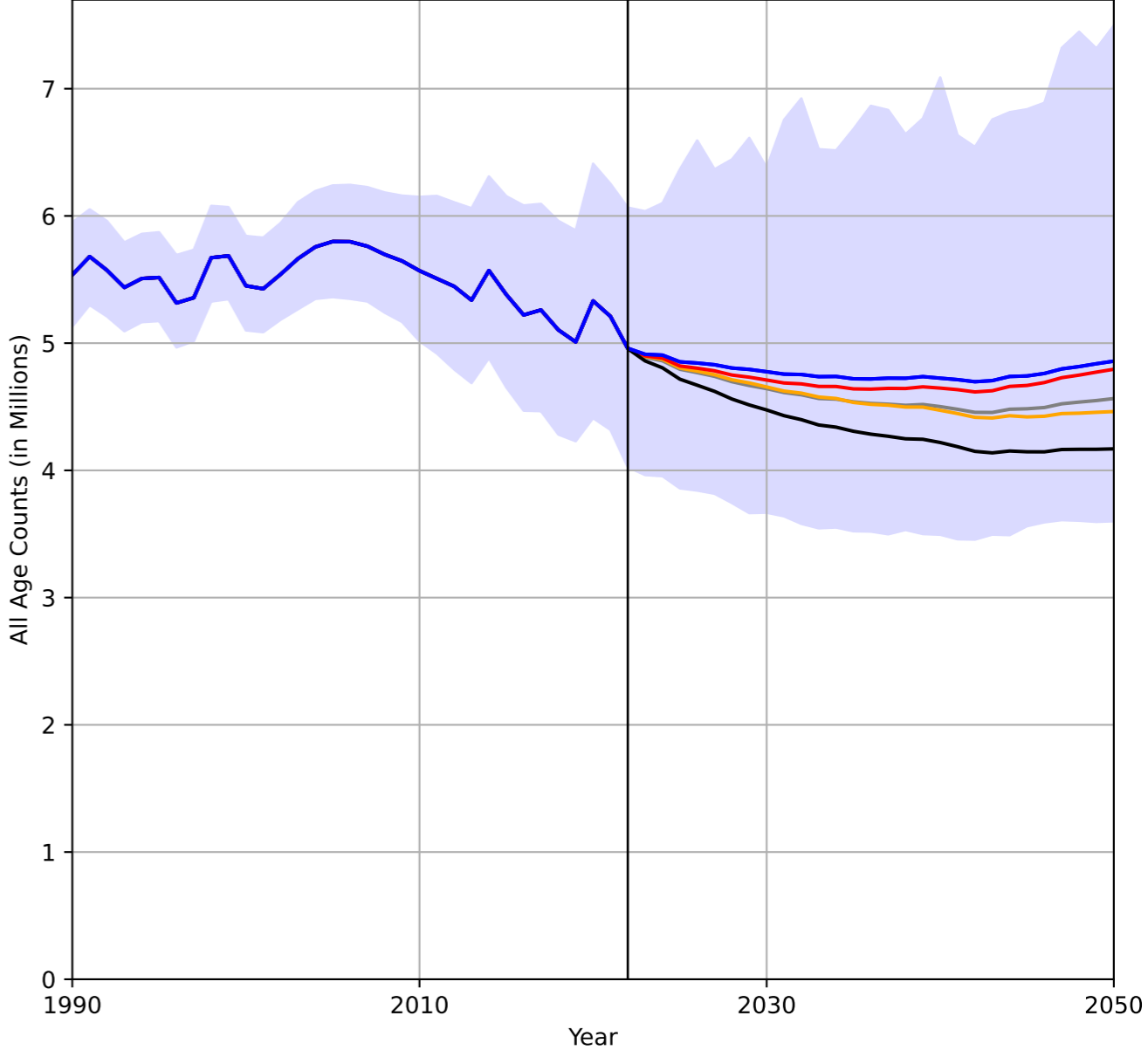
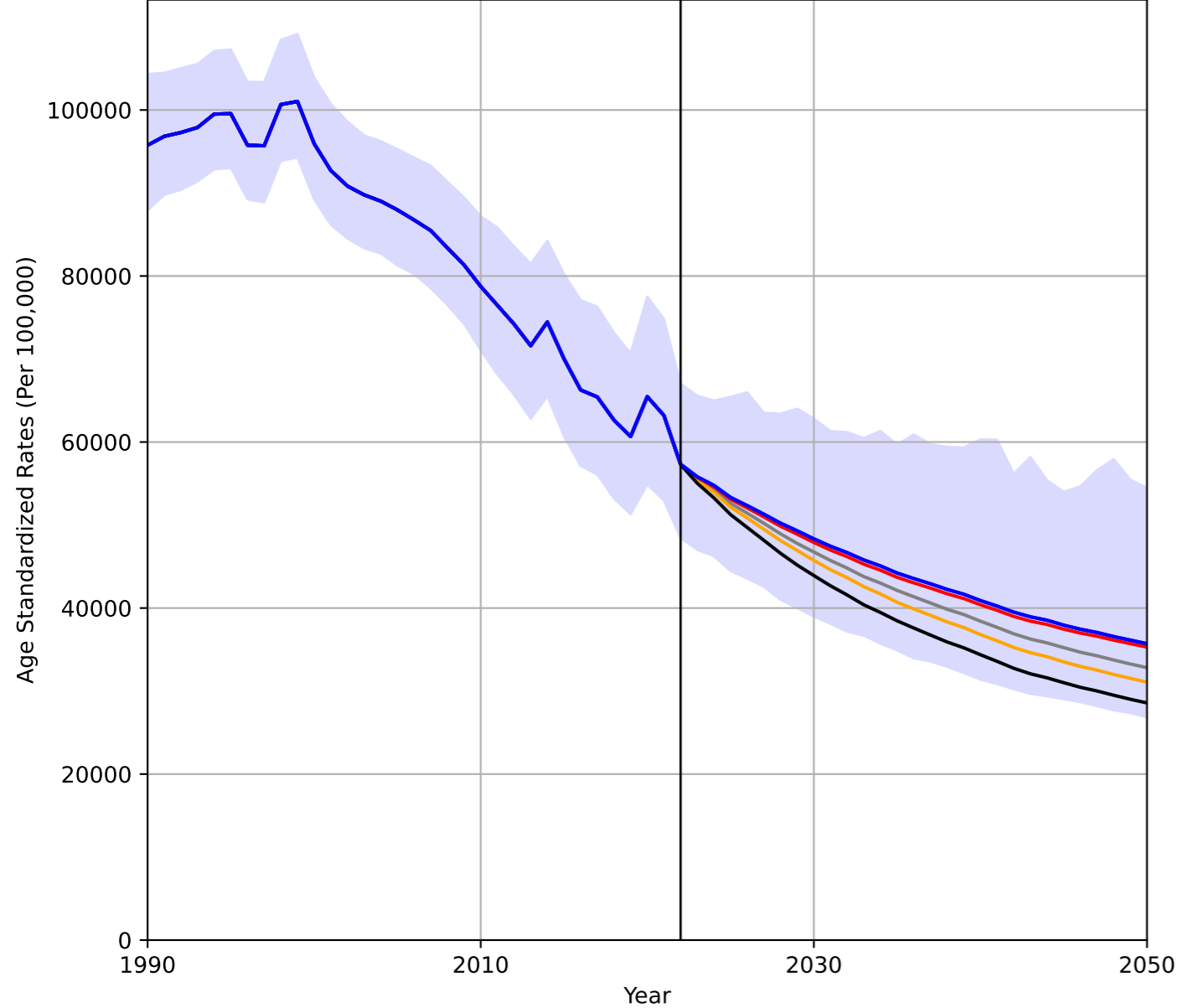
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# Sierra Leone

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

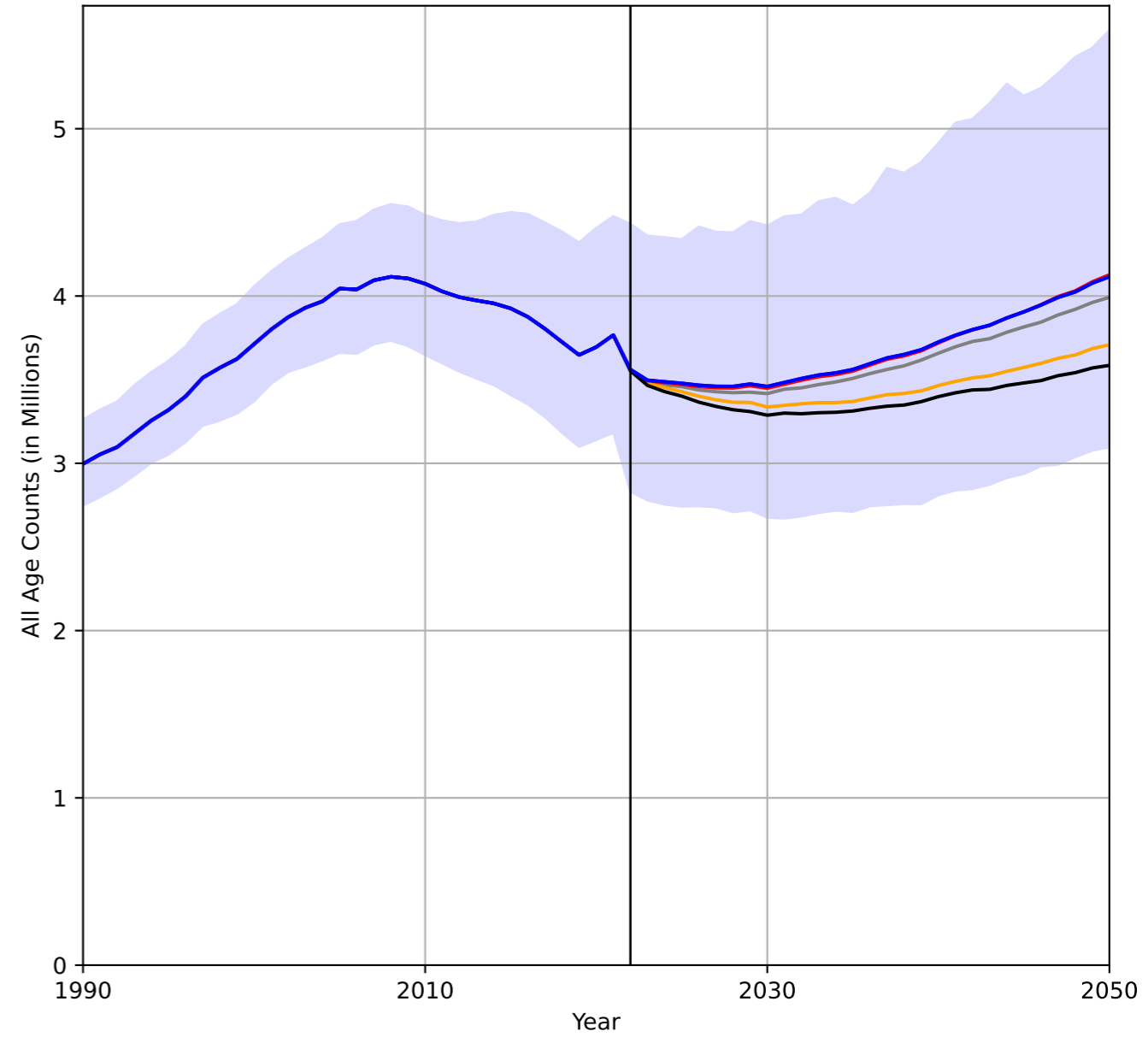
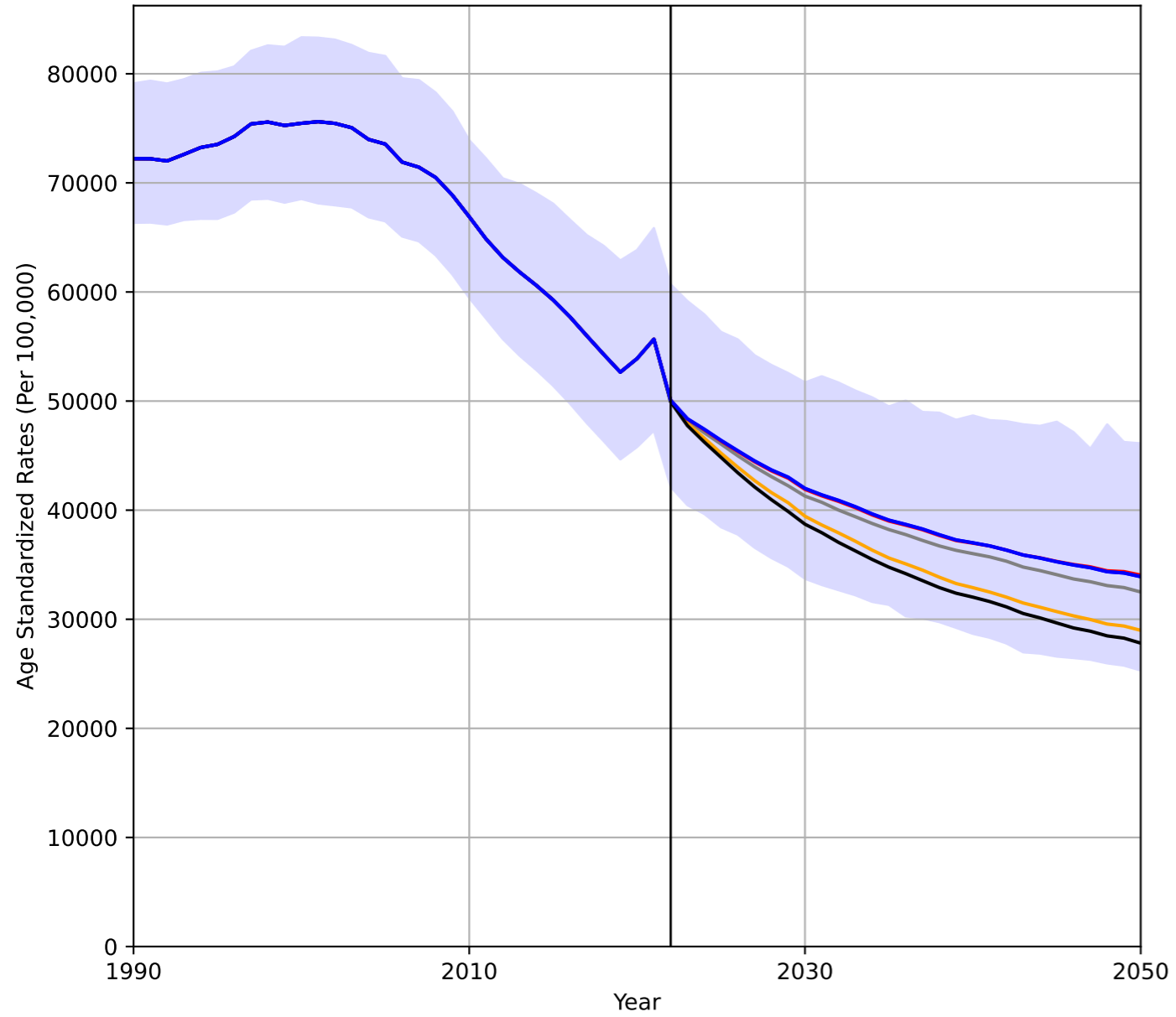
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# Togo

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

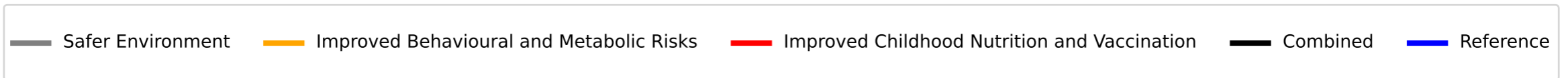
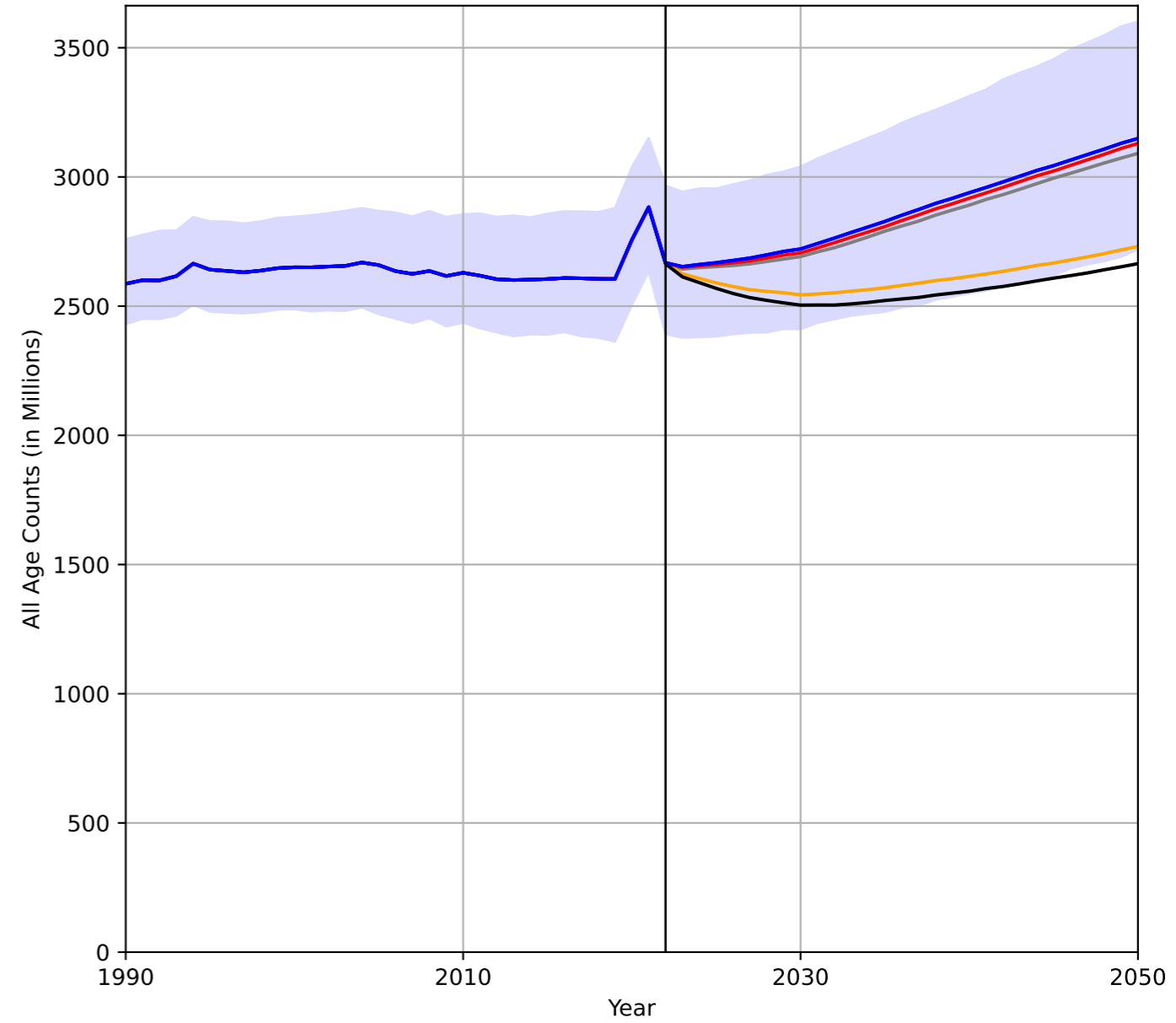
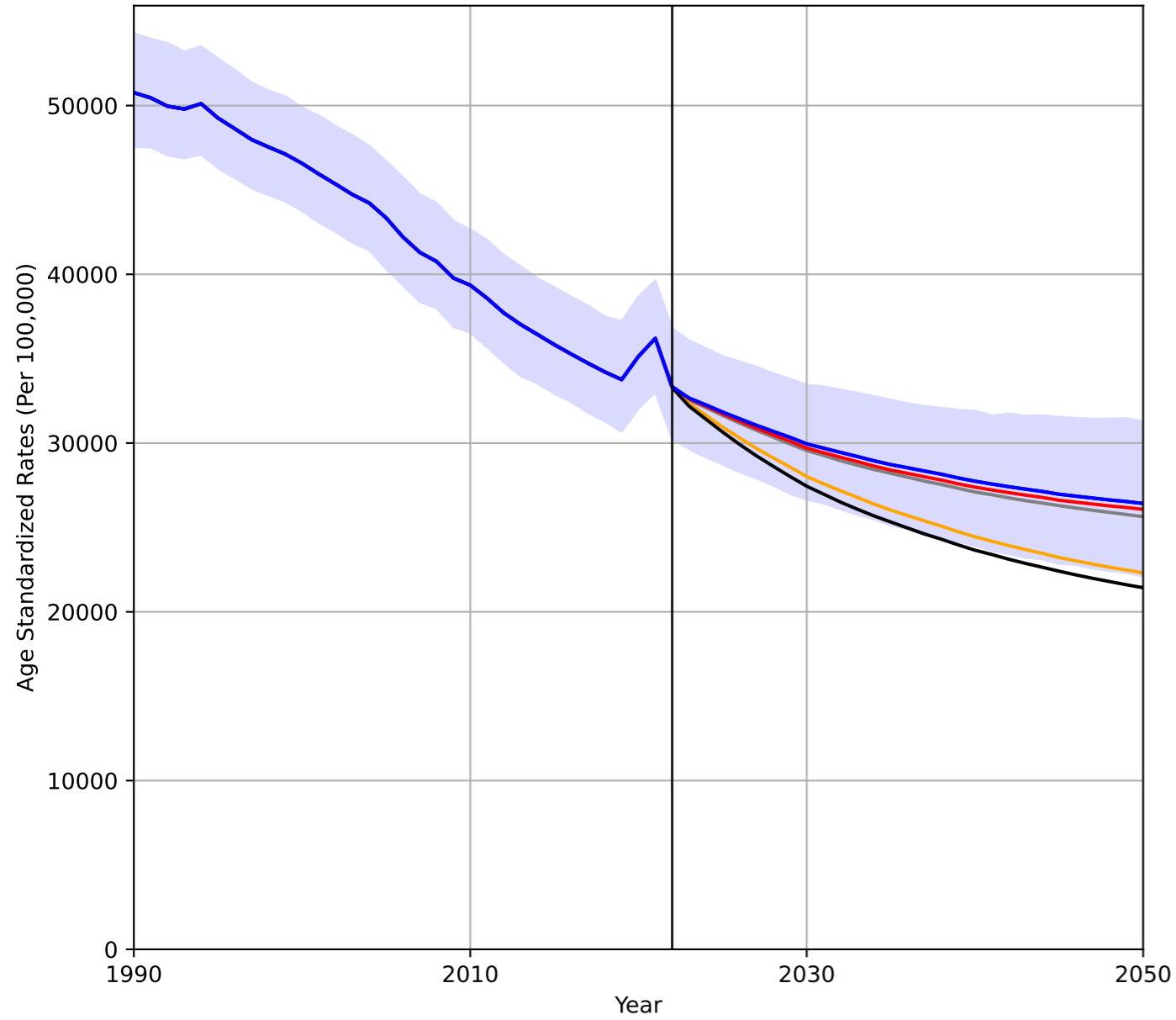
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# Global

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

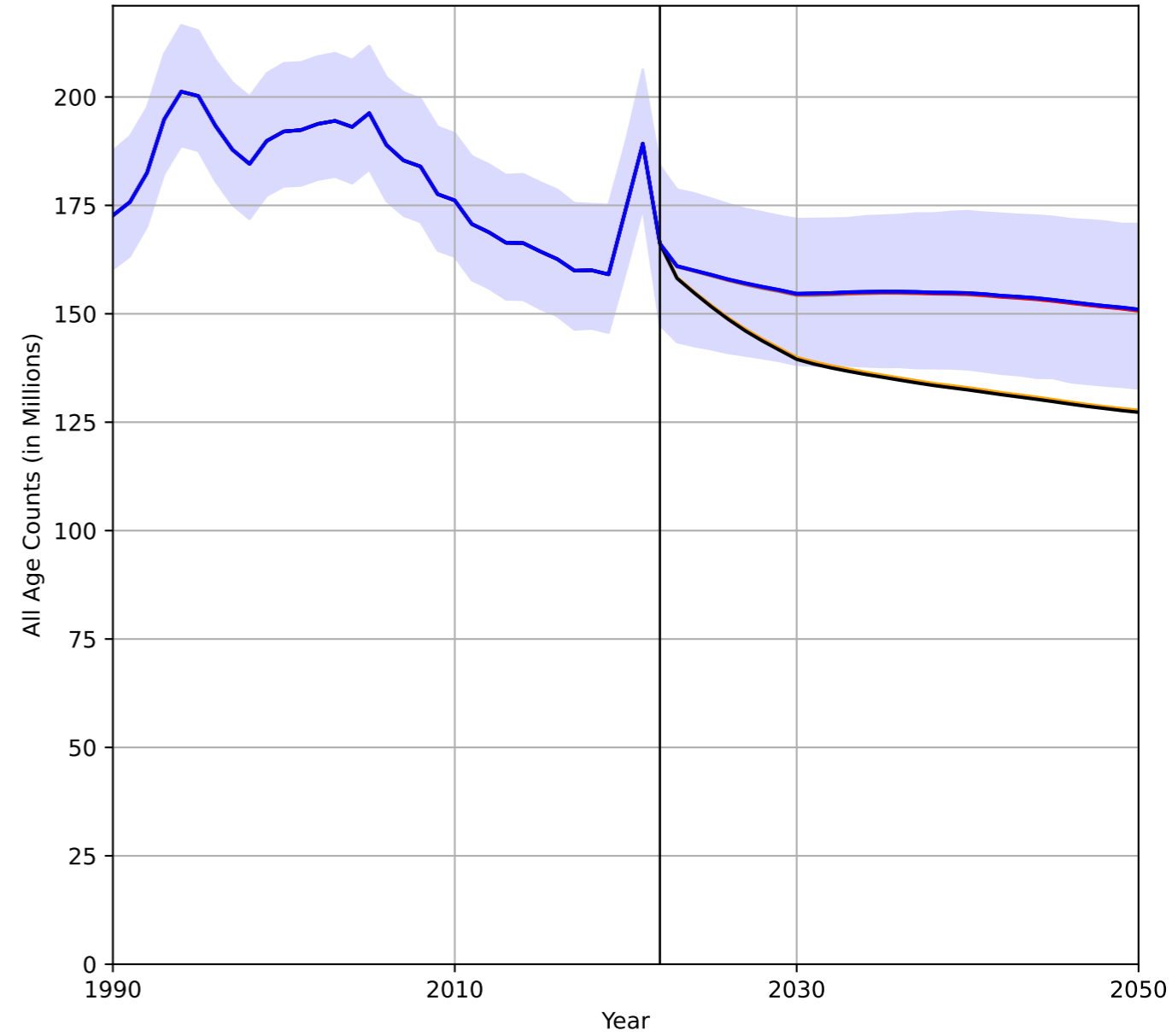
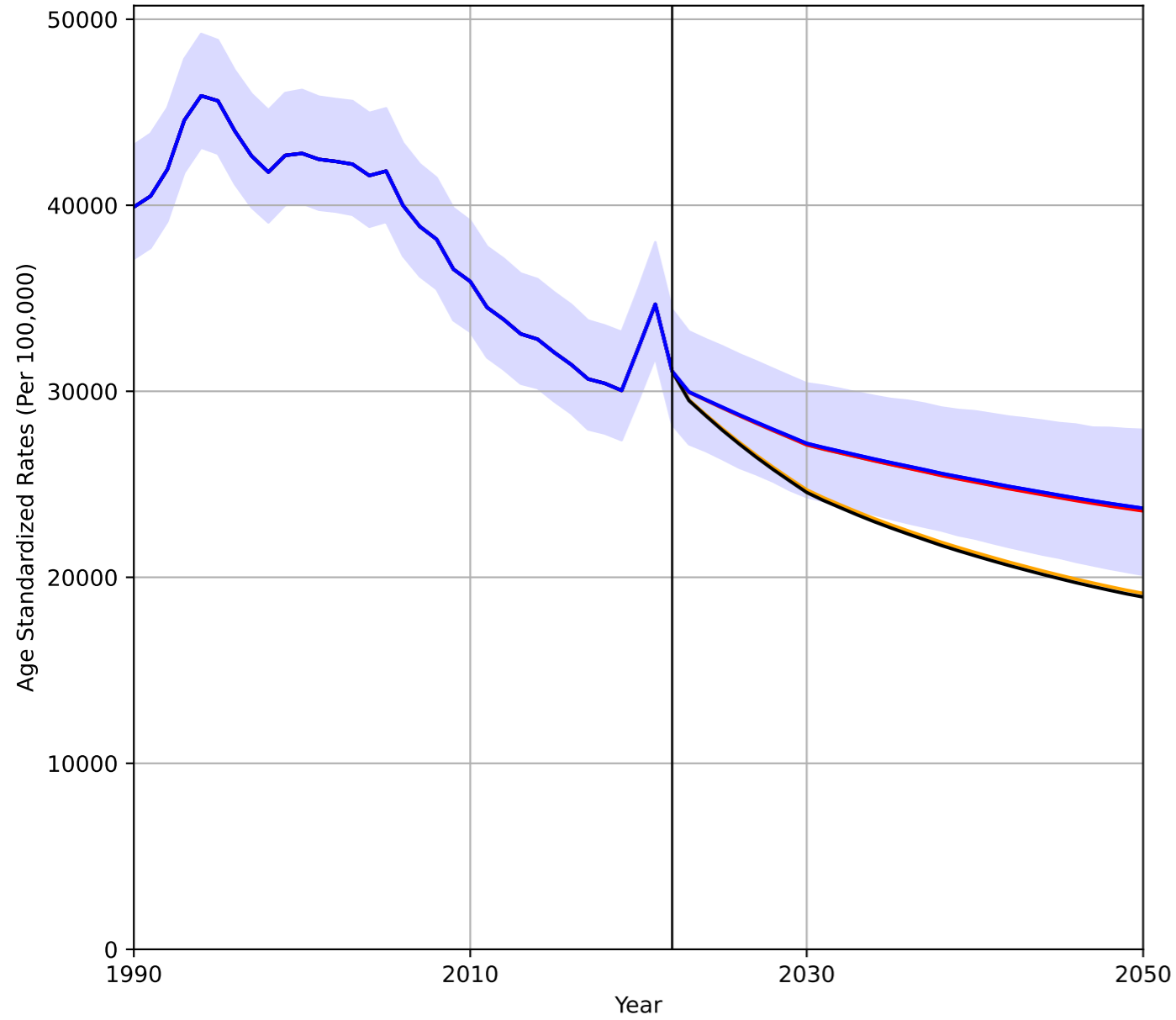
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# Central Europe, Eastern Europe, And Central Asia

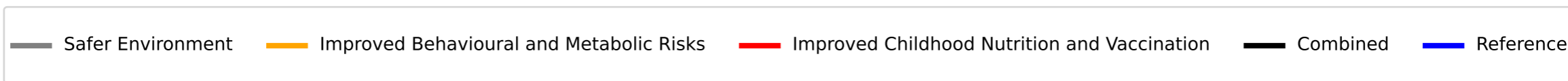
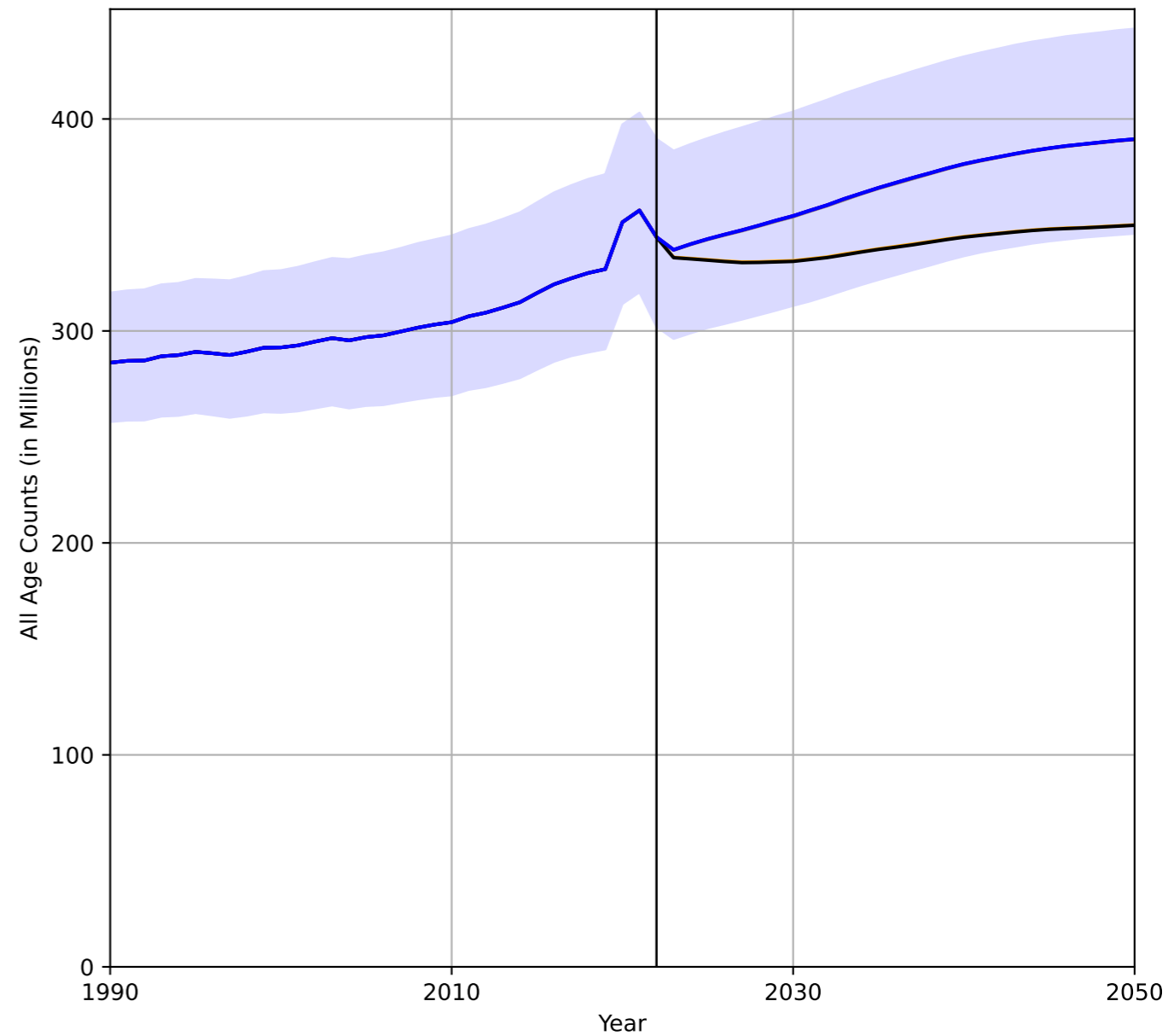
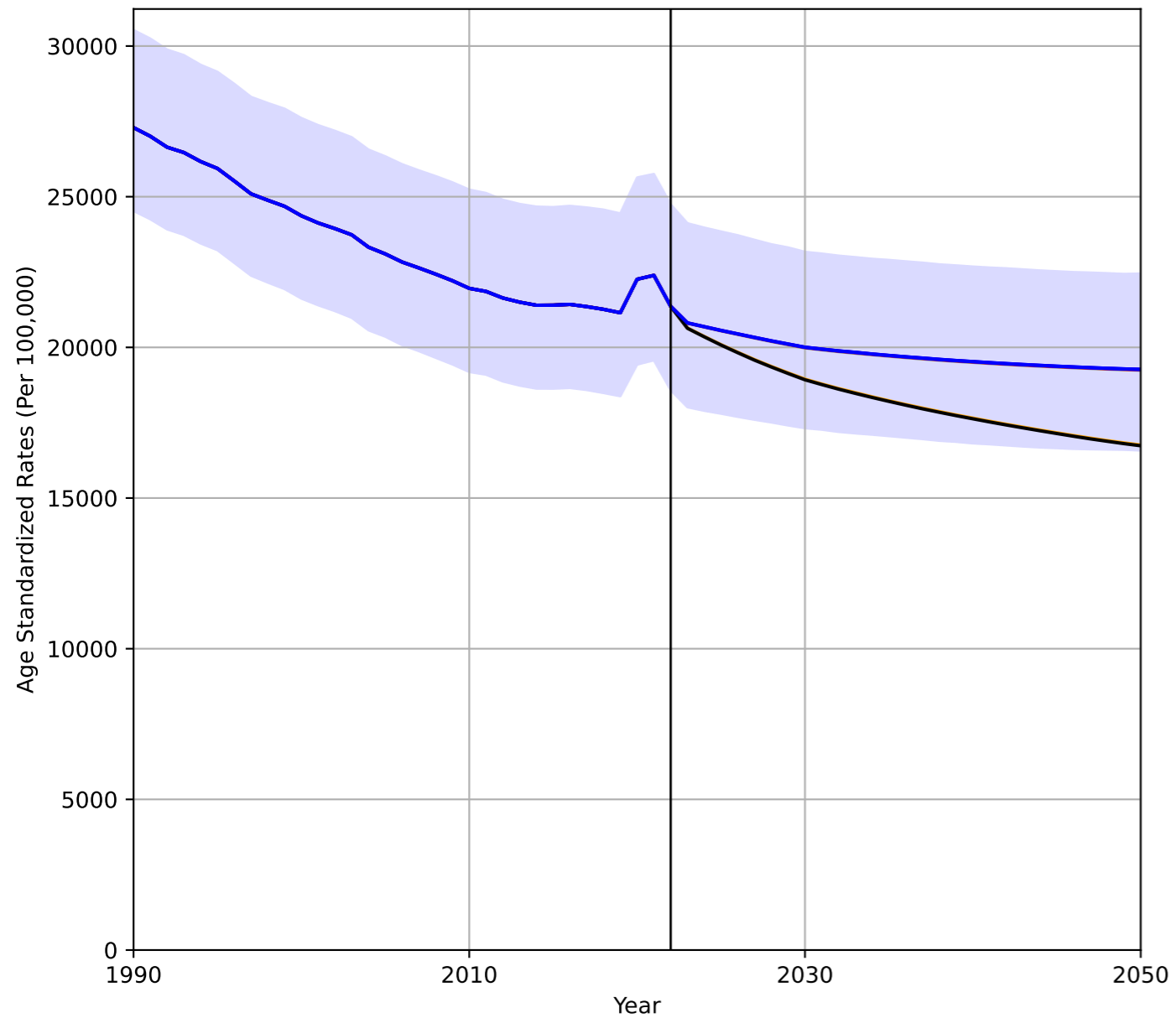
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# High Income

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

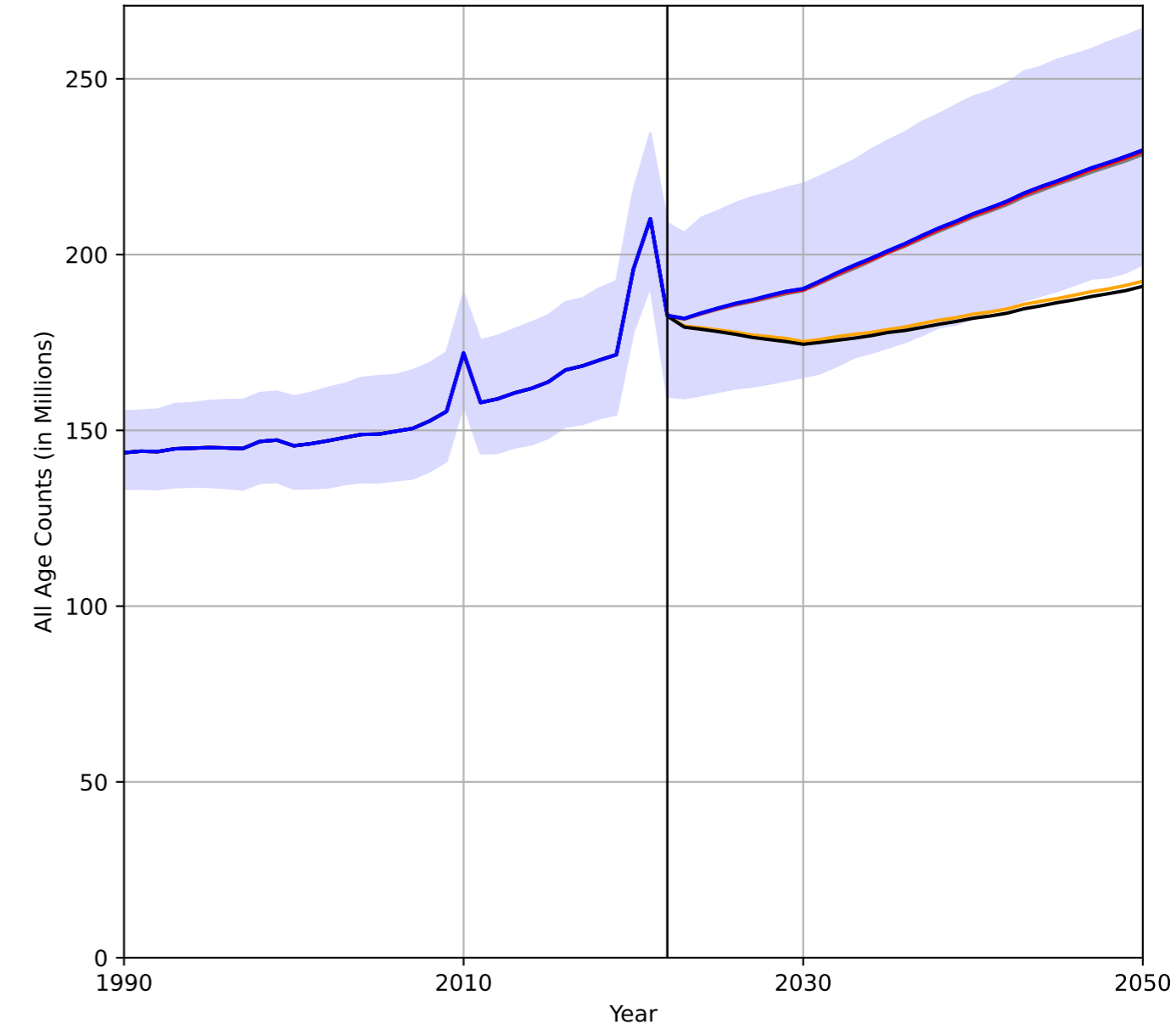
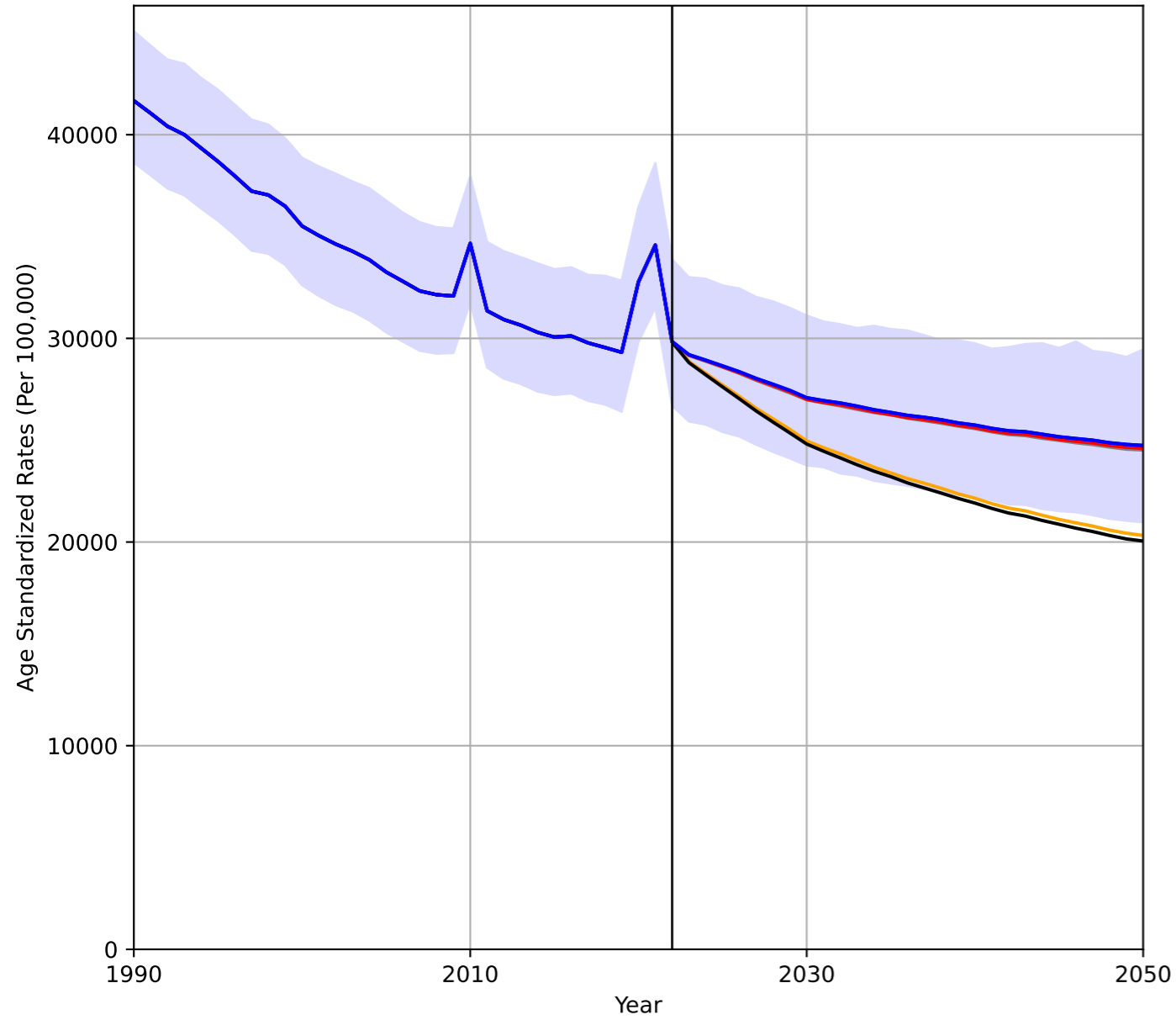
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# Latin America And Caribbean

1618

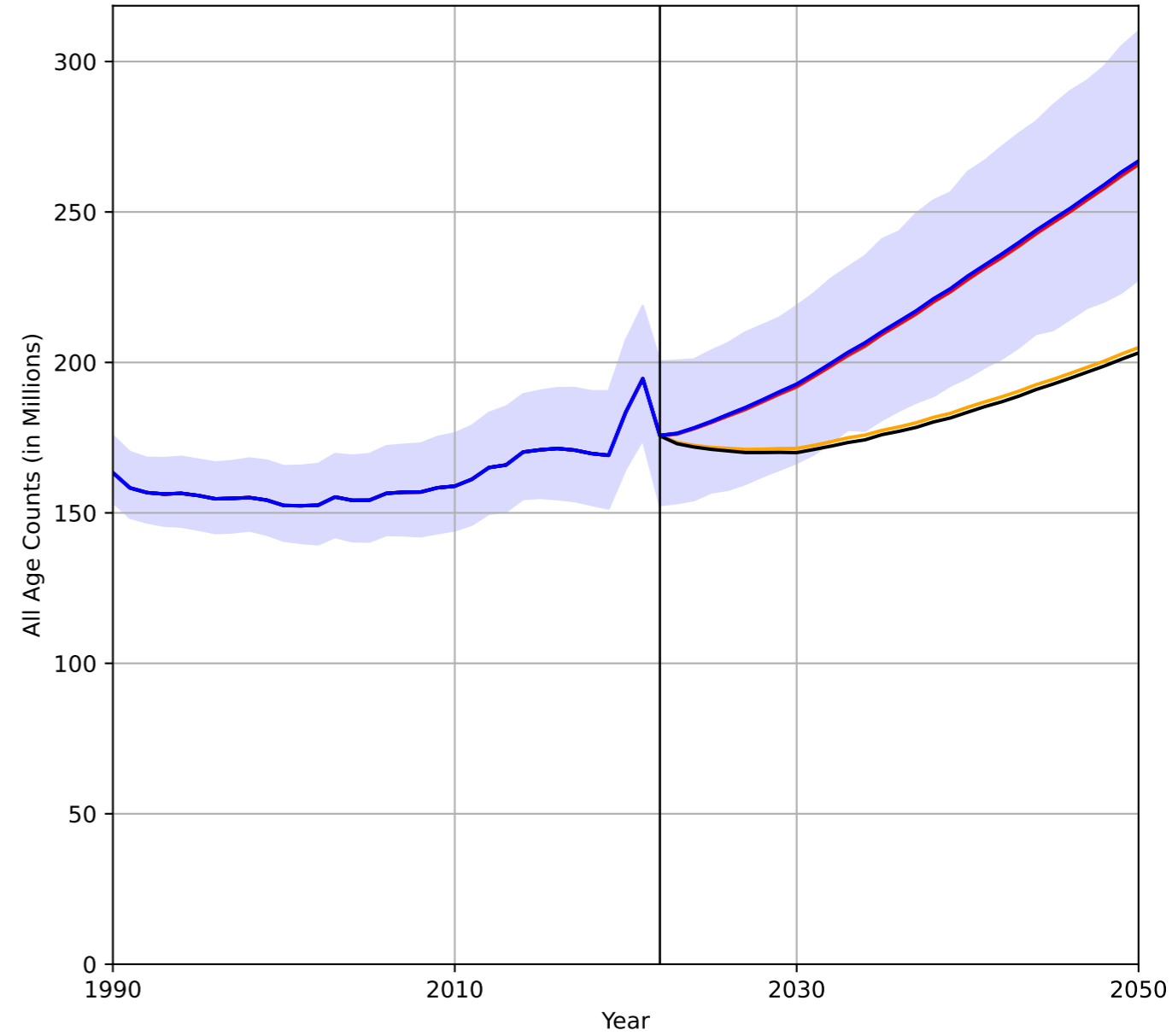
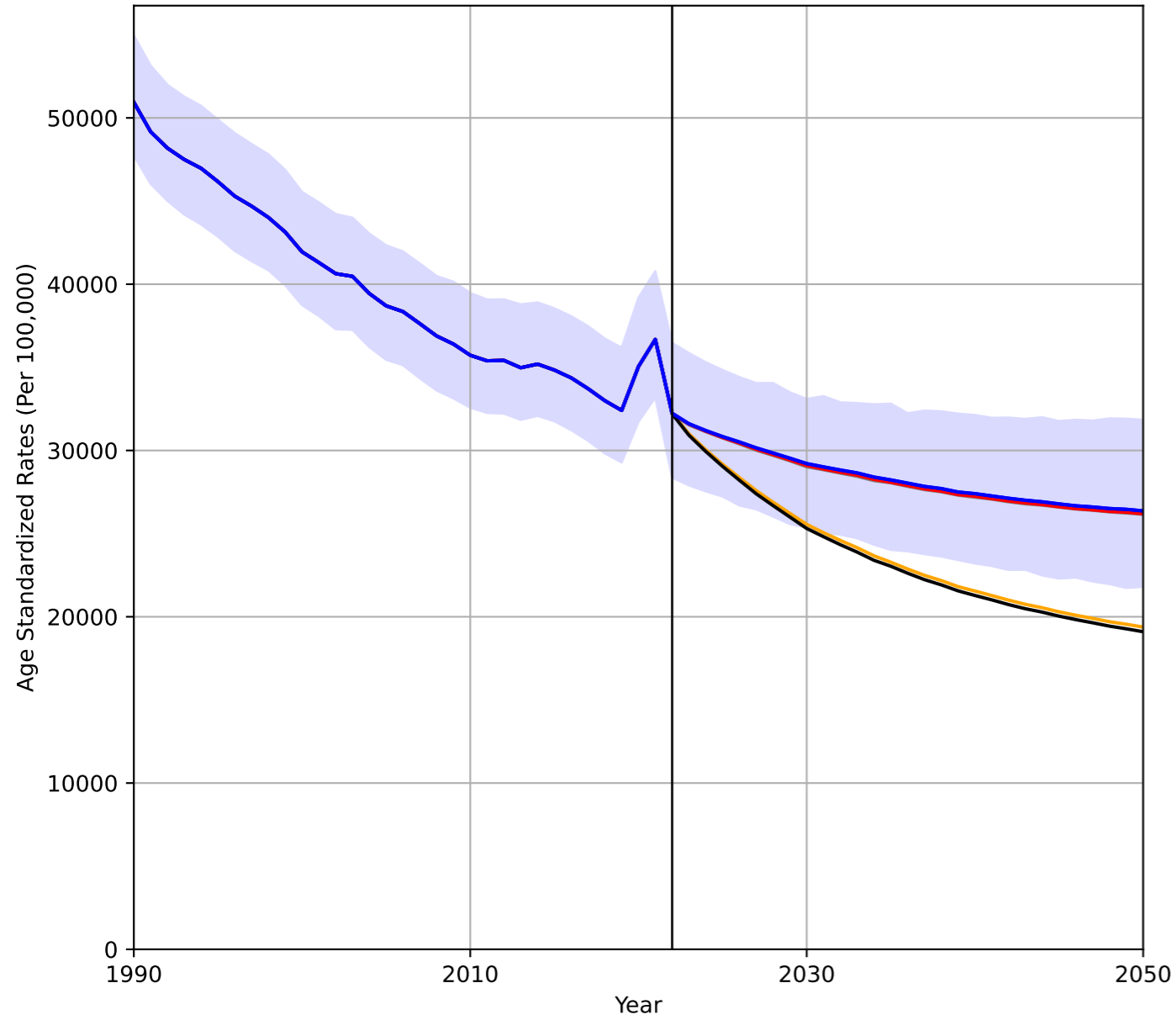
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# North Africa And Middle East

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

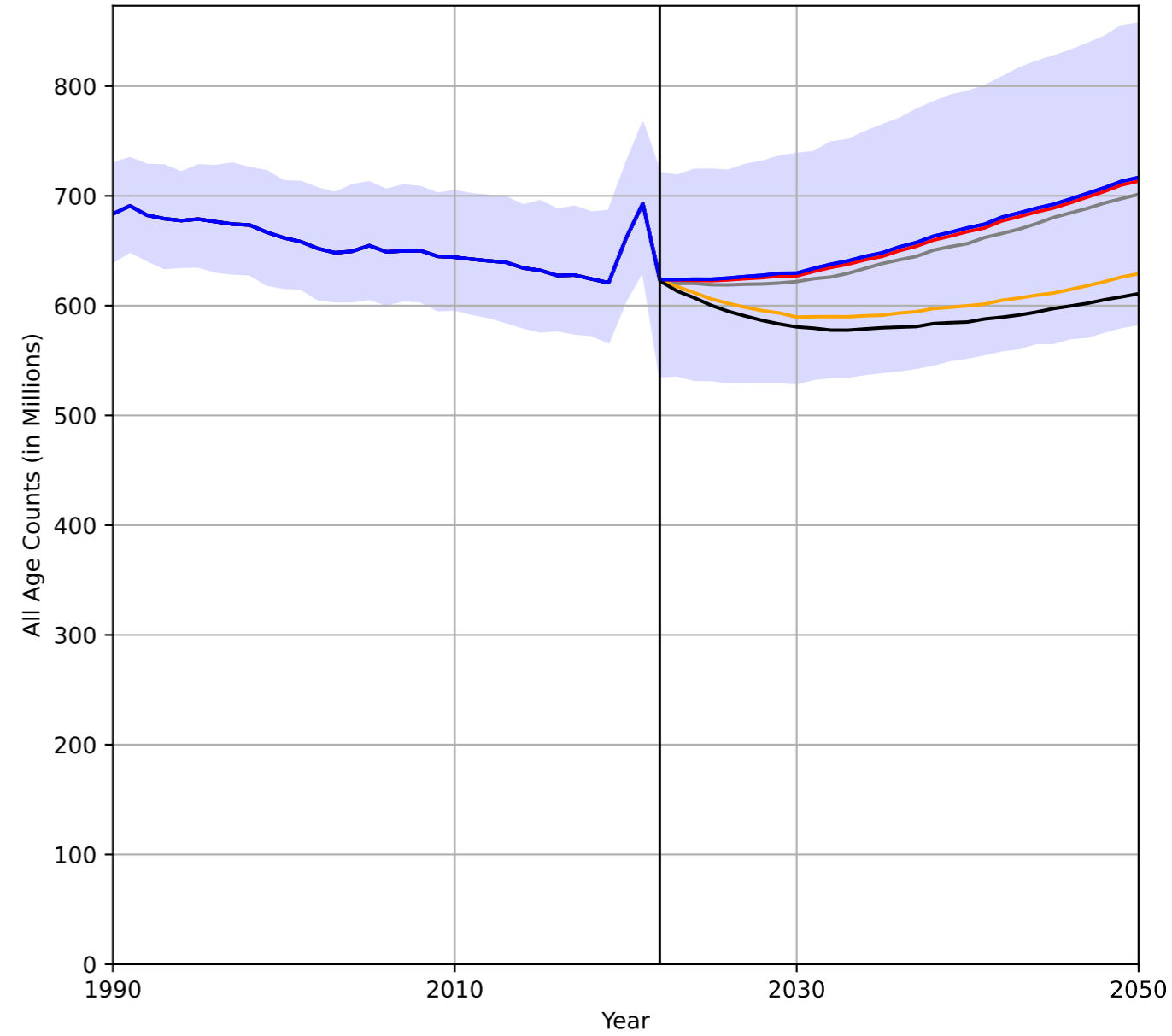
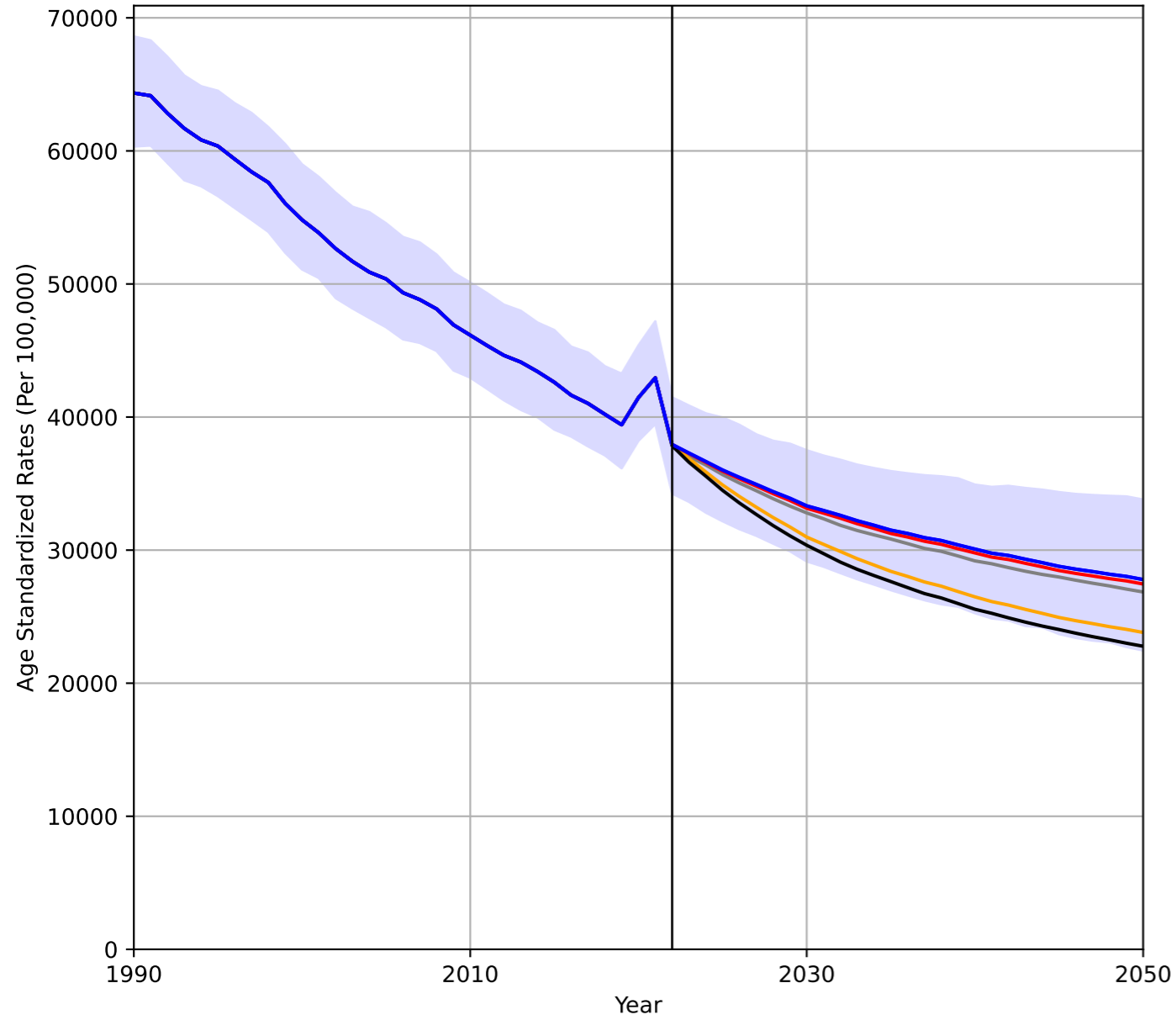
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# South Asia

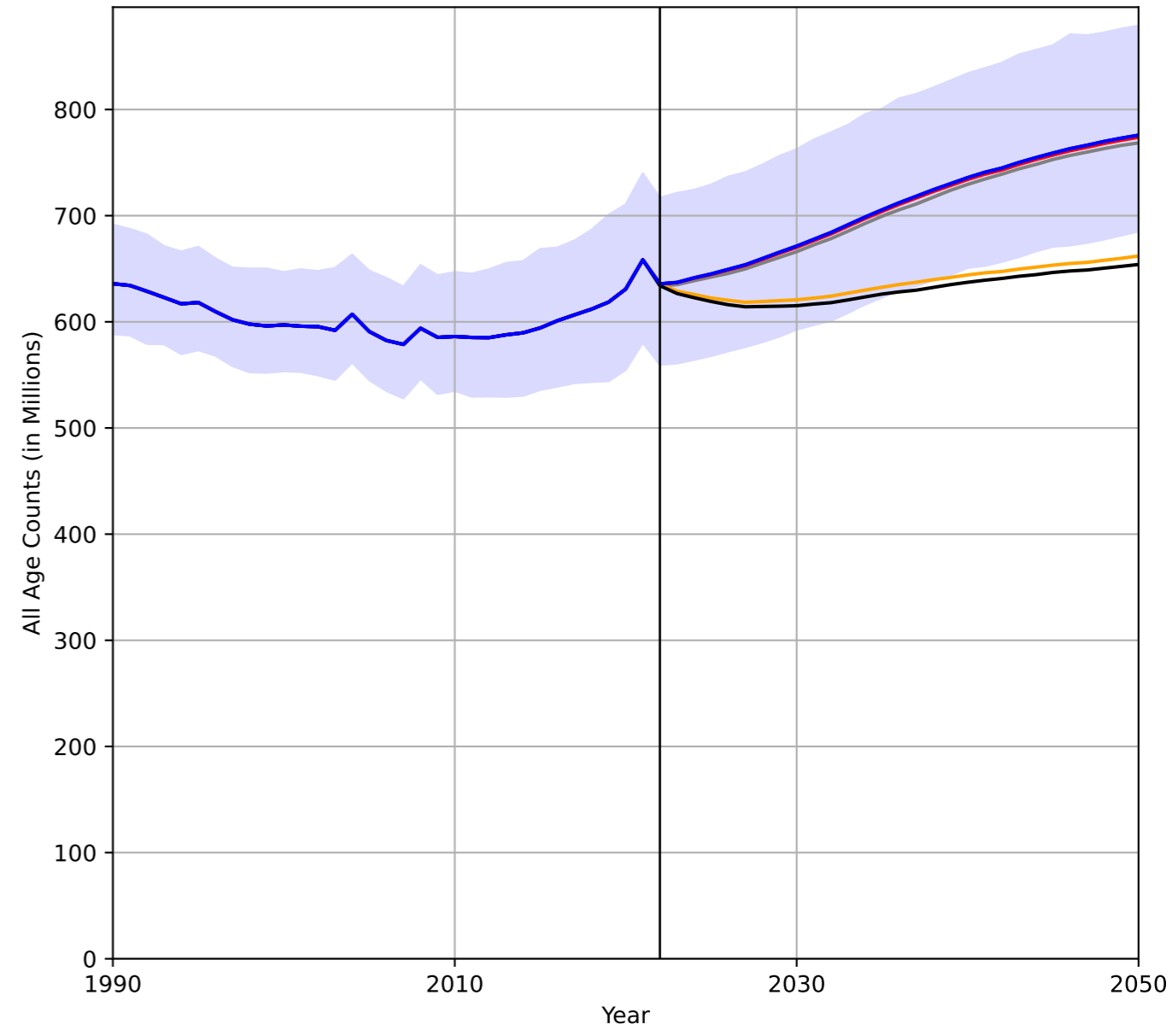
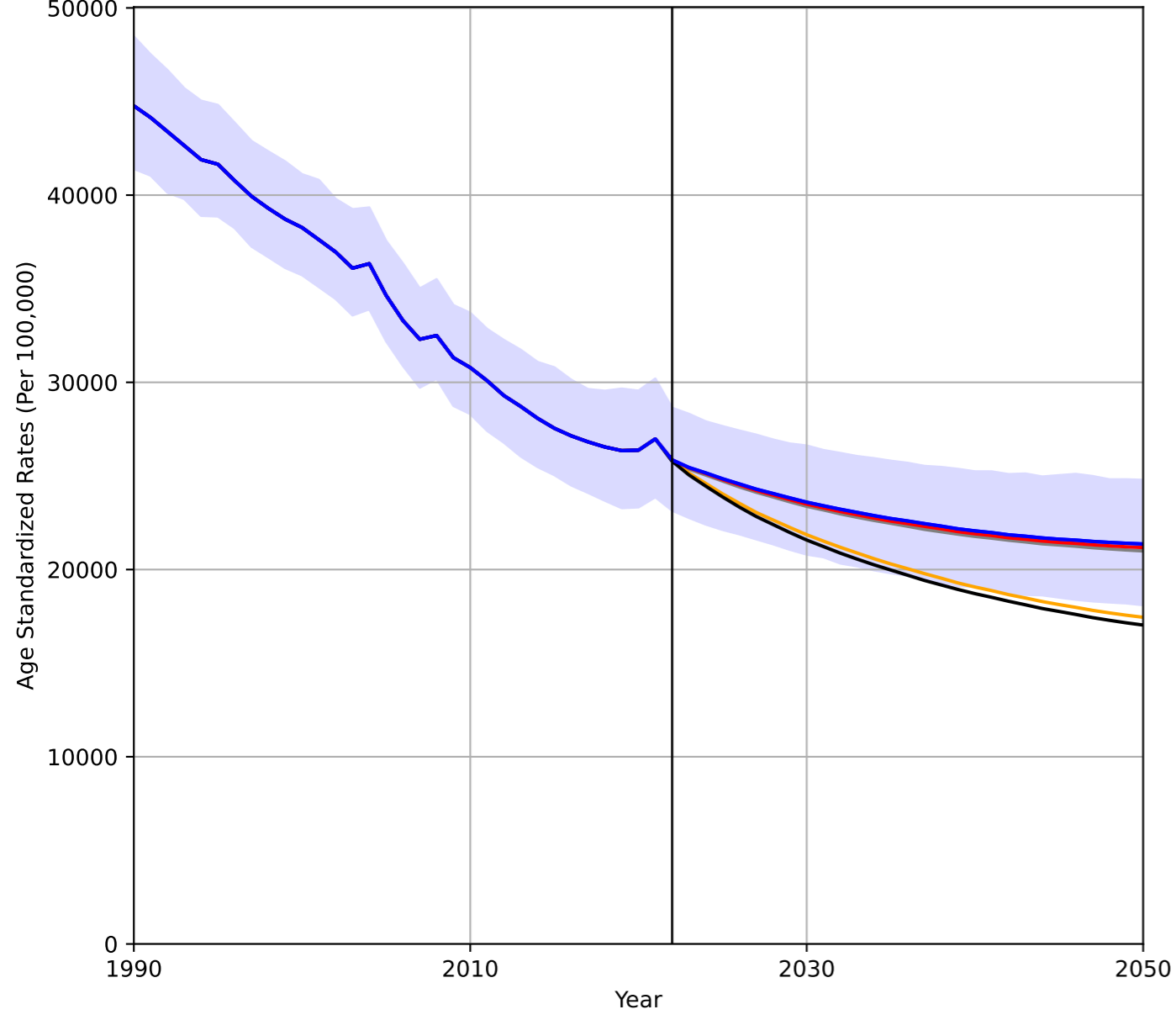
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1620



# Southeast Asia, East Asia, And Oceania

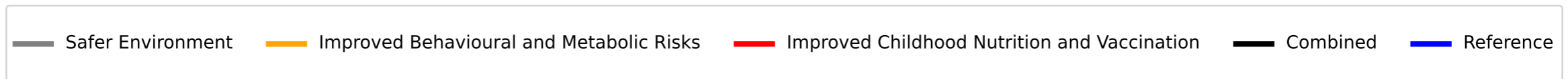
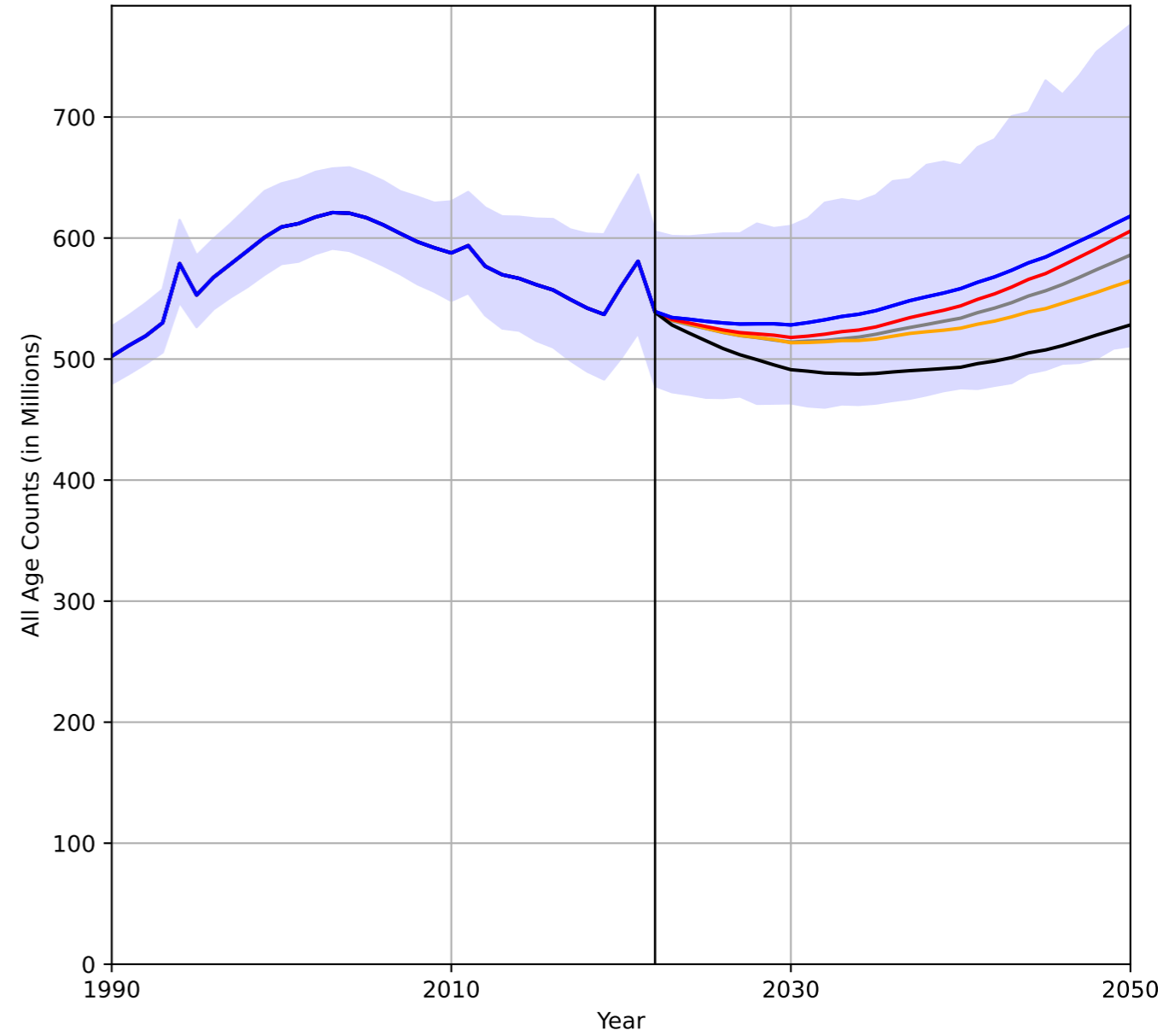
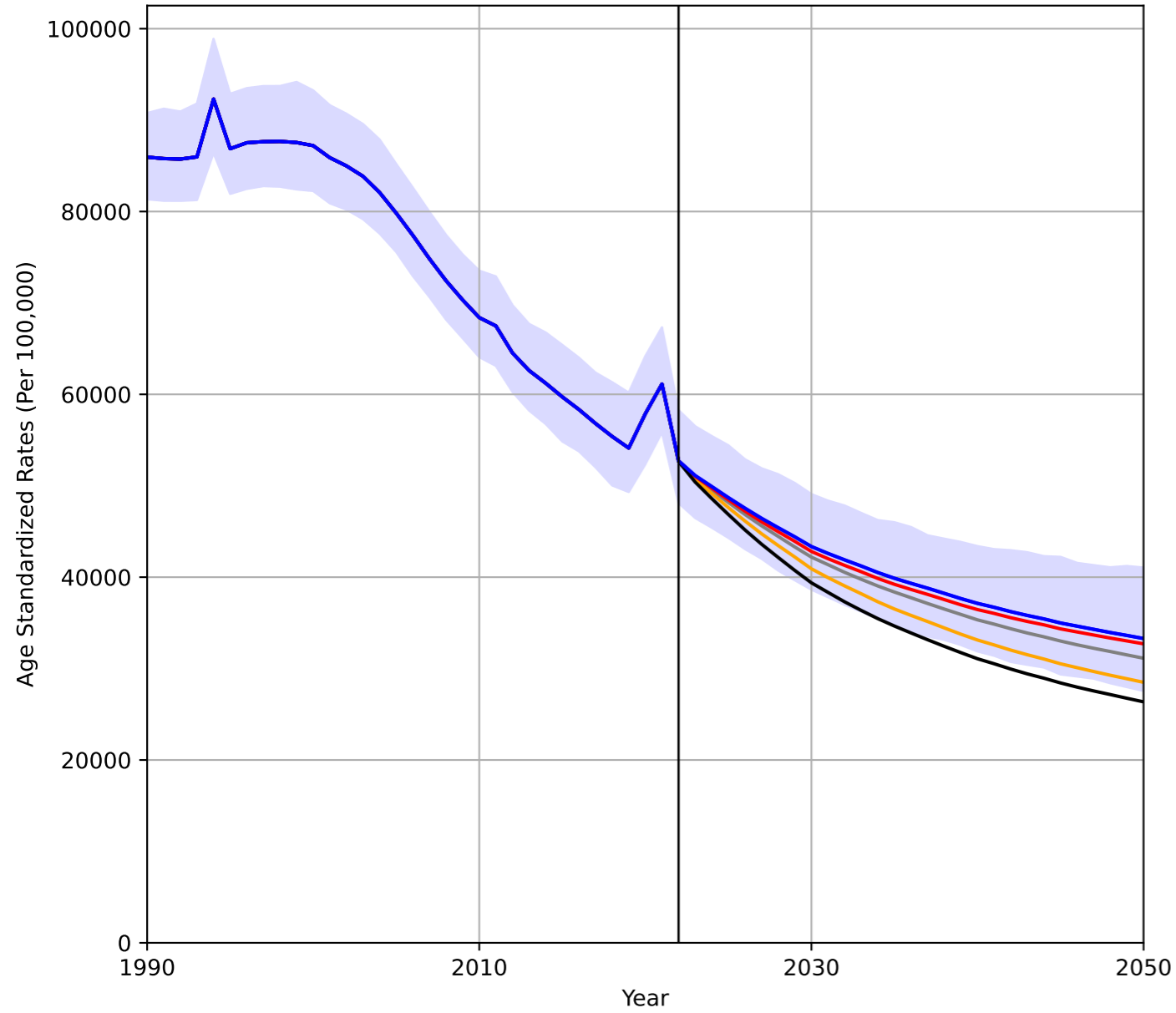
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Sub-Saharan Africa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

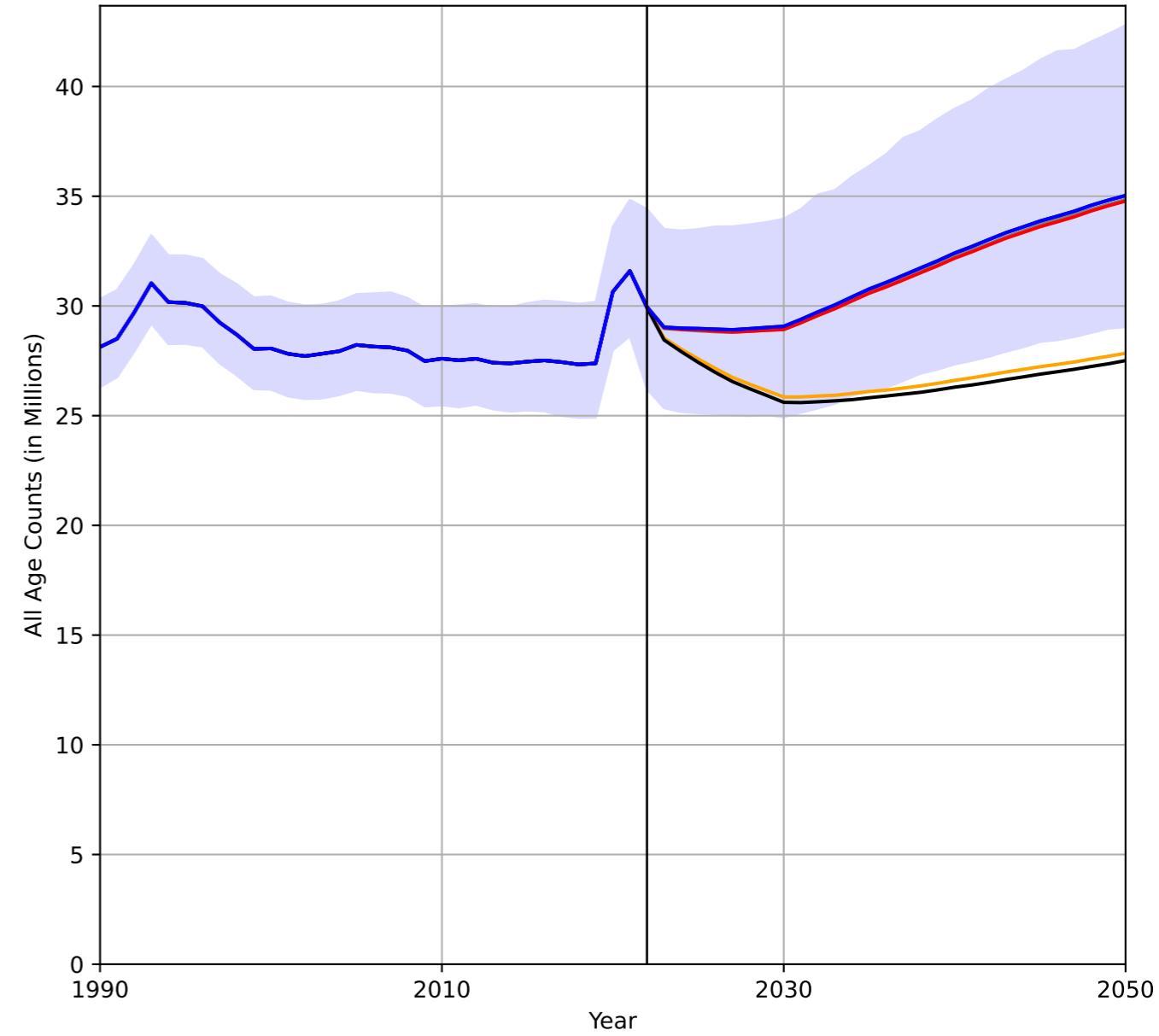
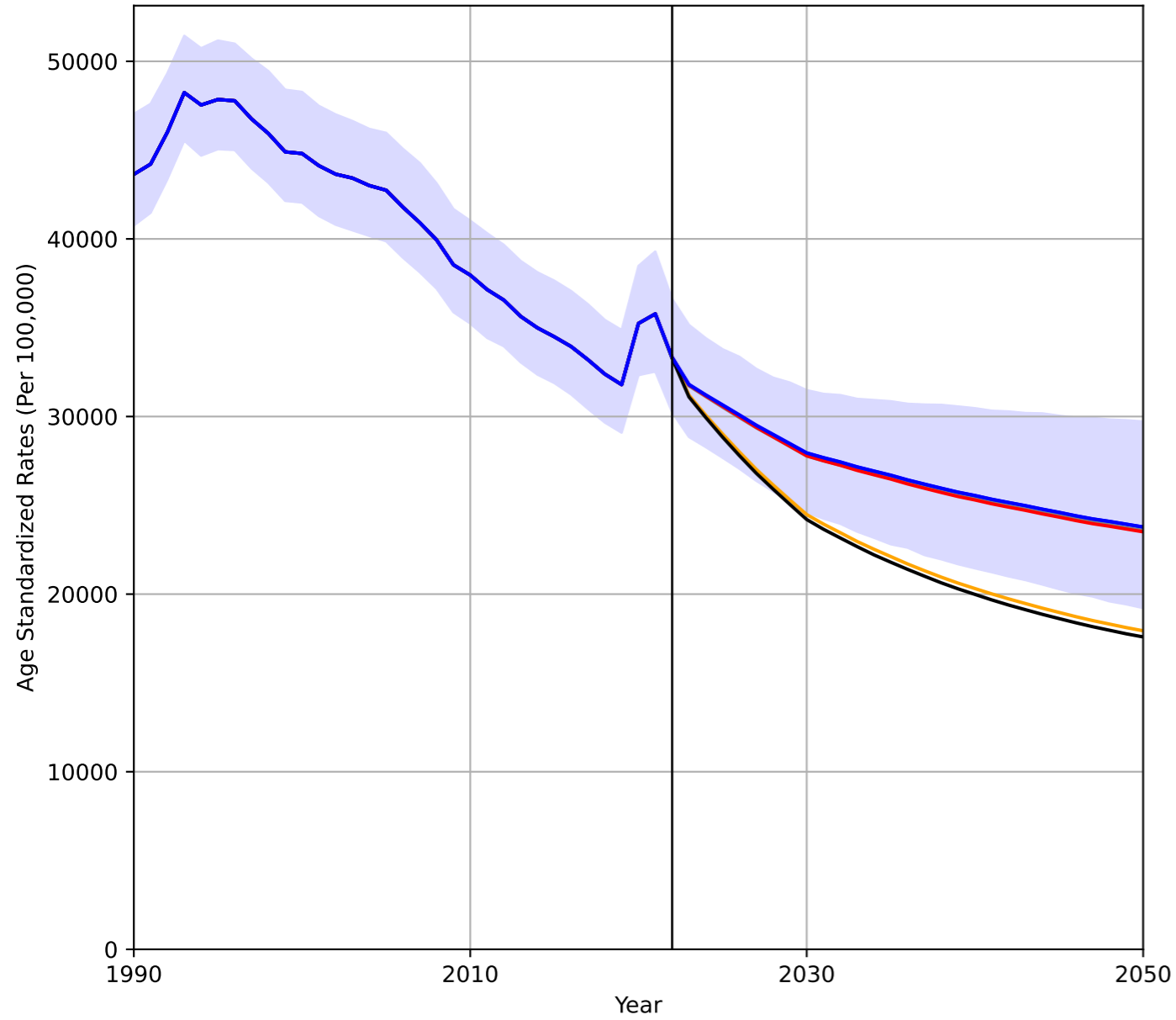
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# Central Asia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

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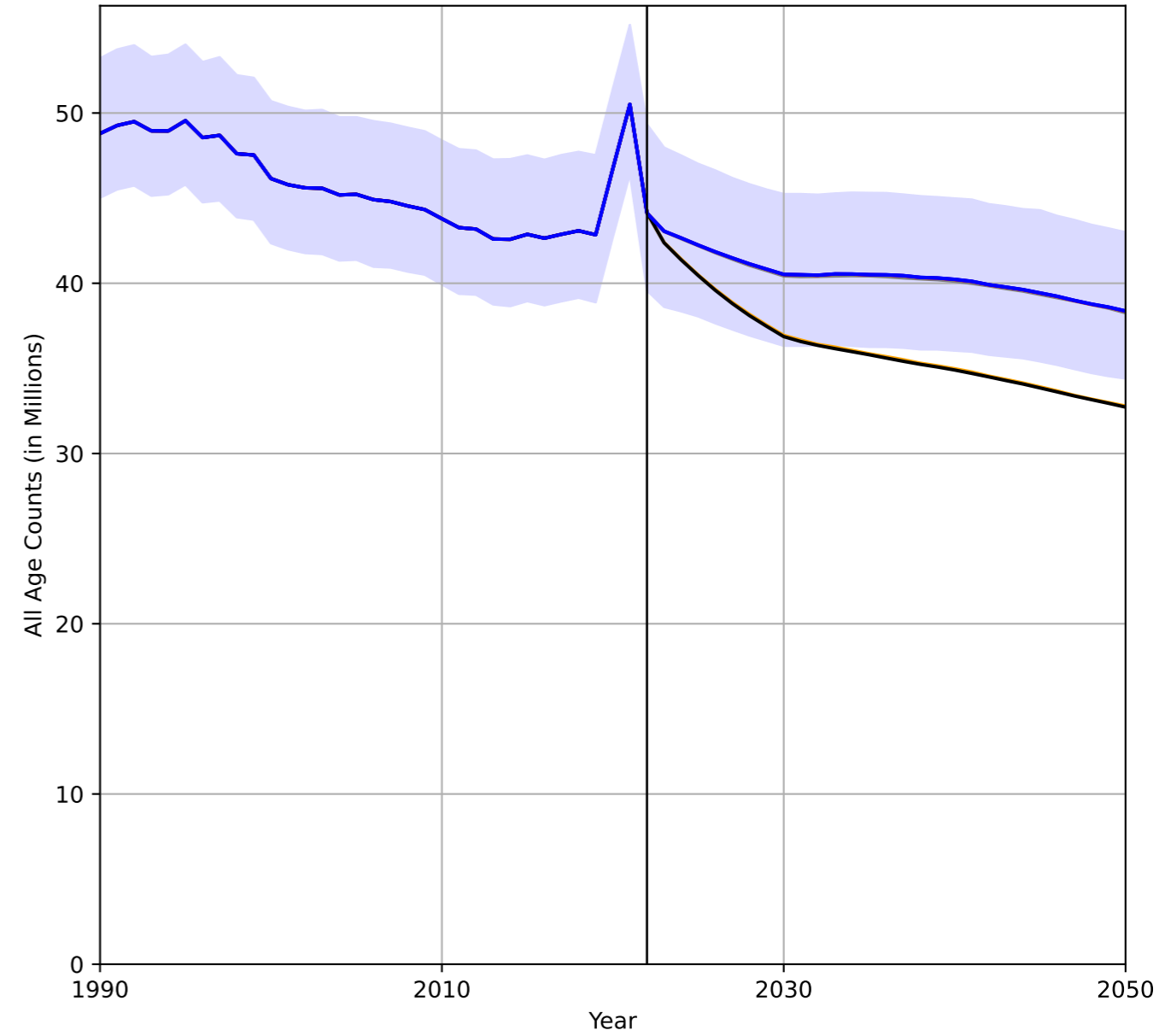
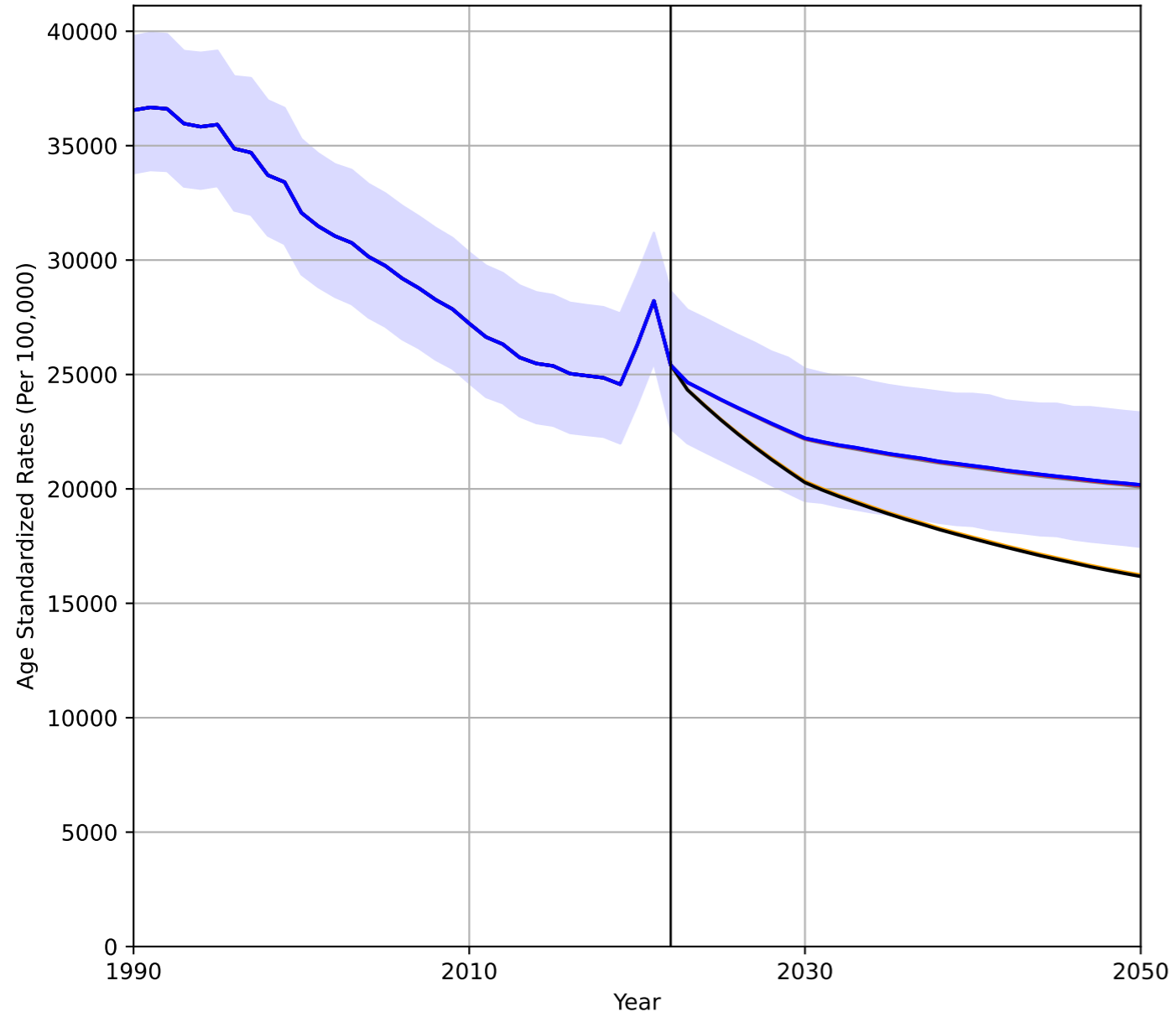




# Central Europe

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

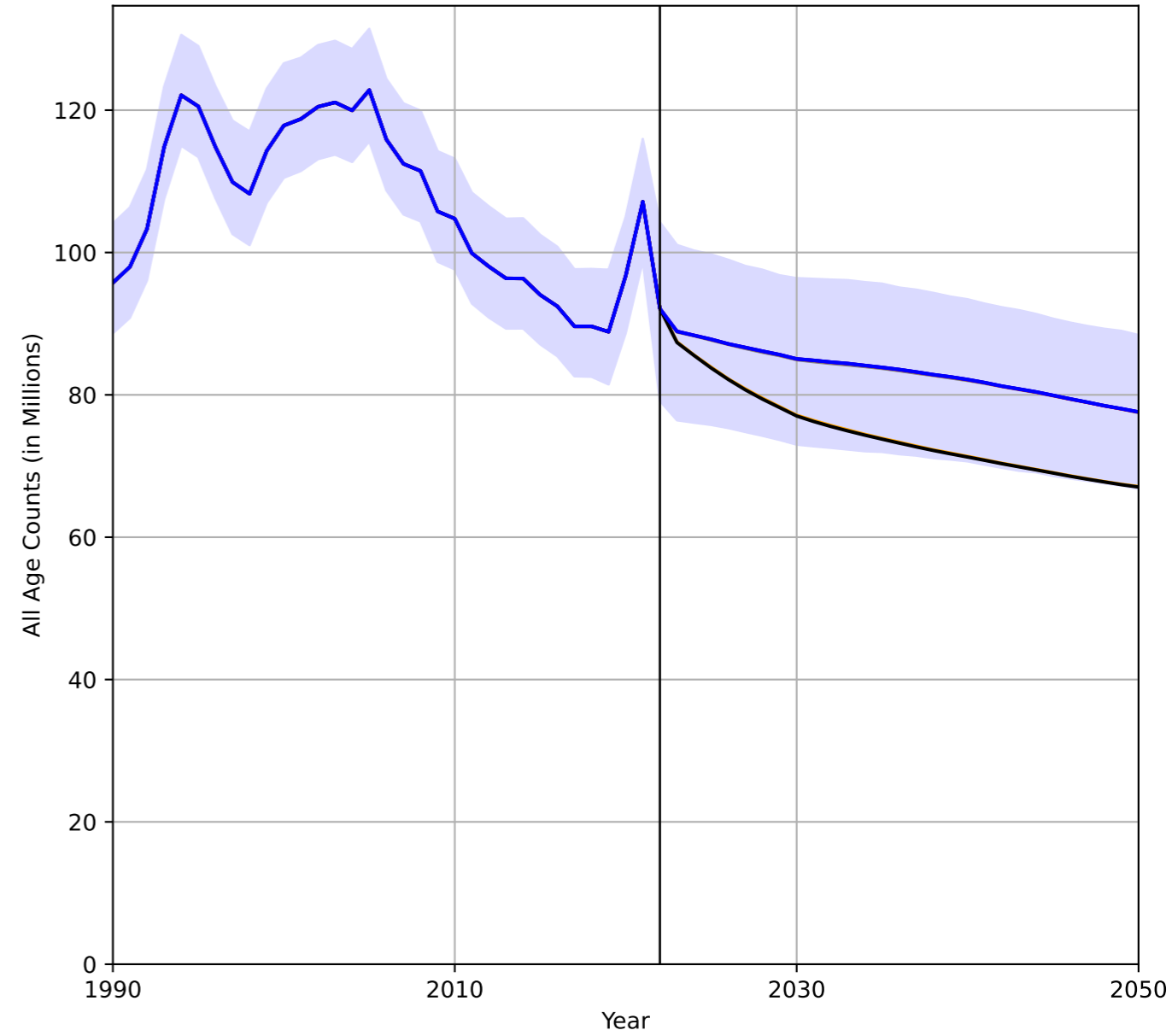
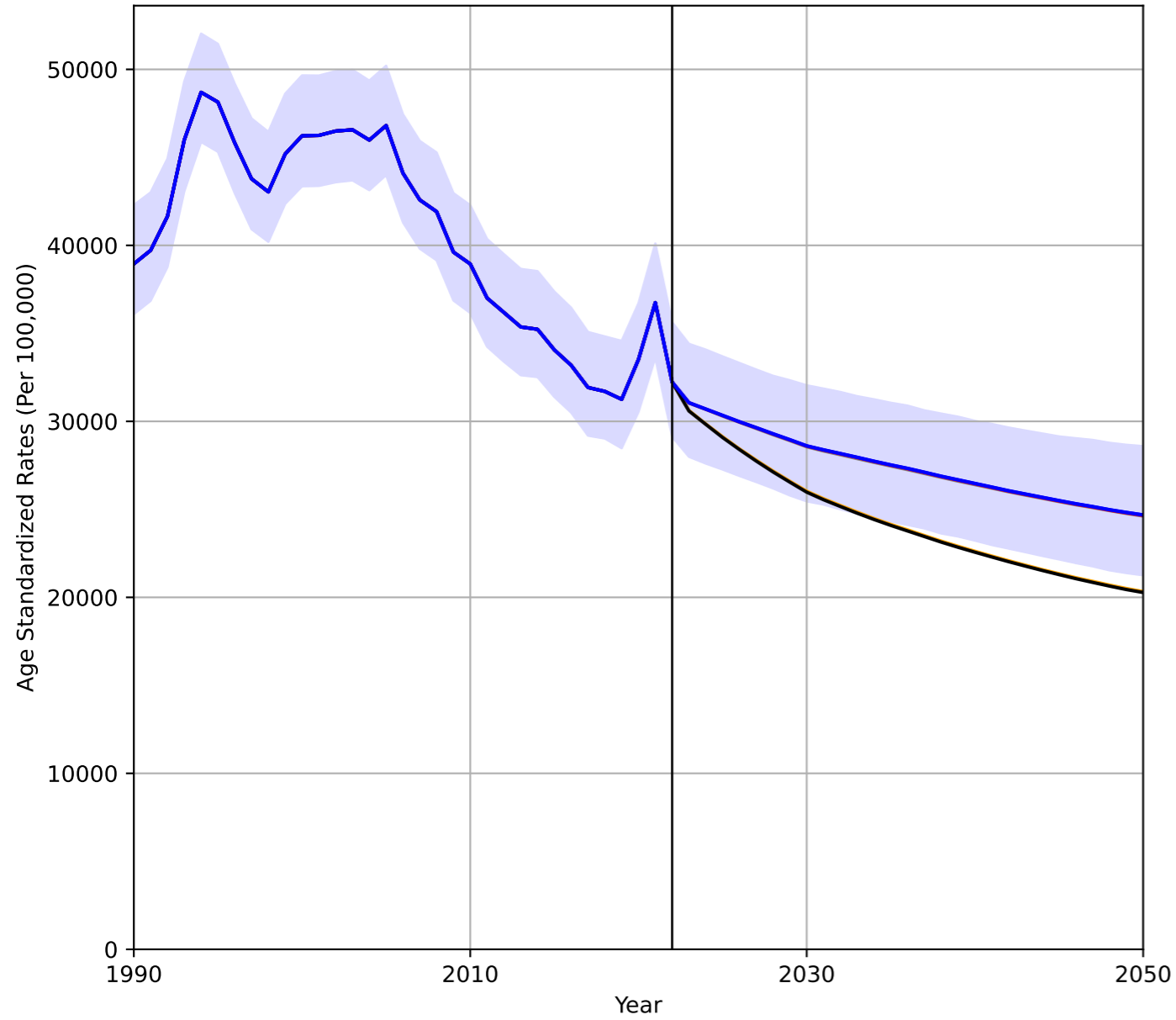
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# Eastern Europe

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

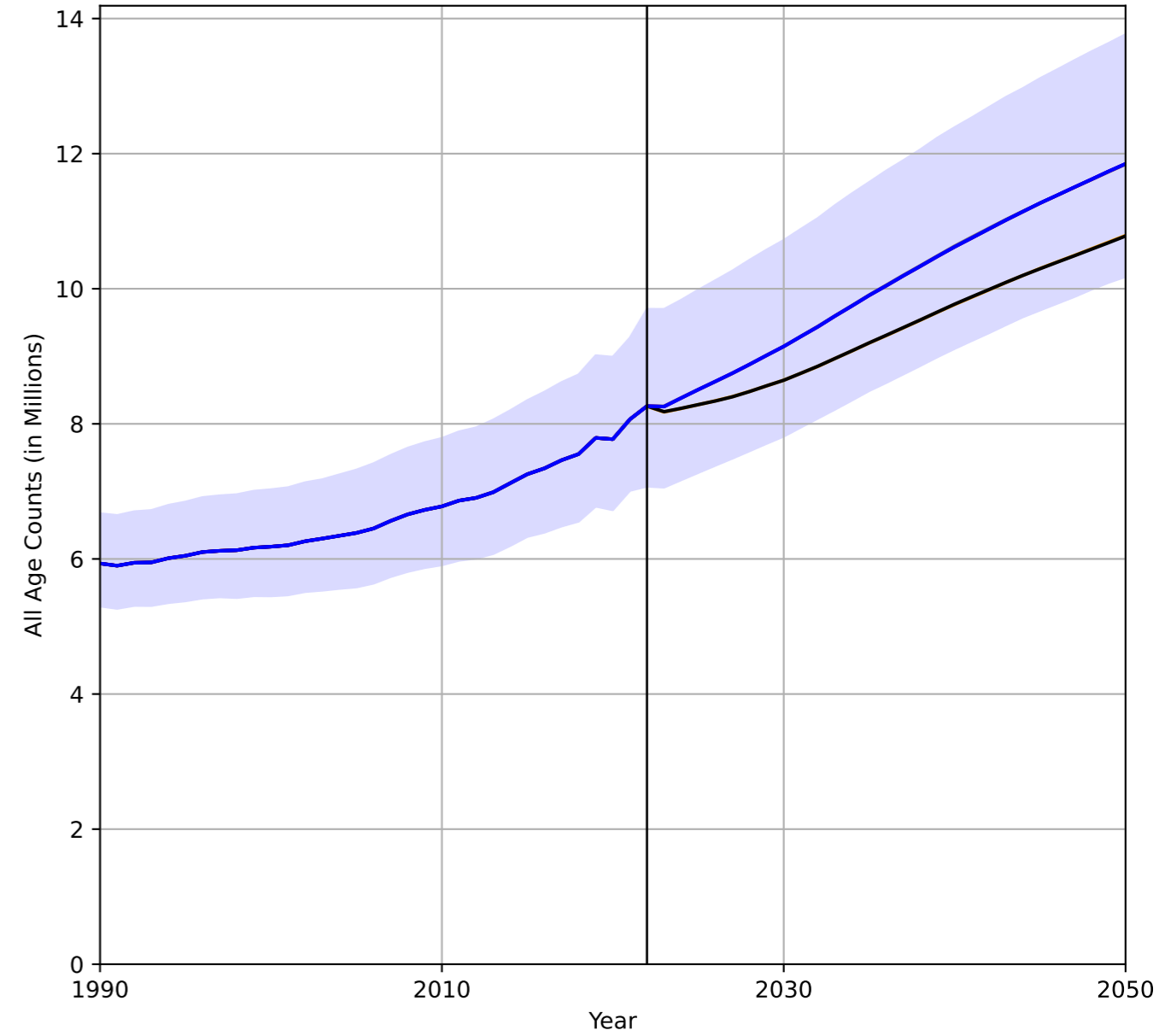
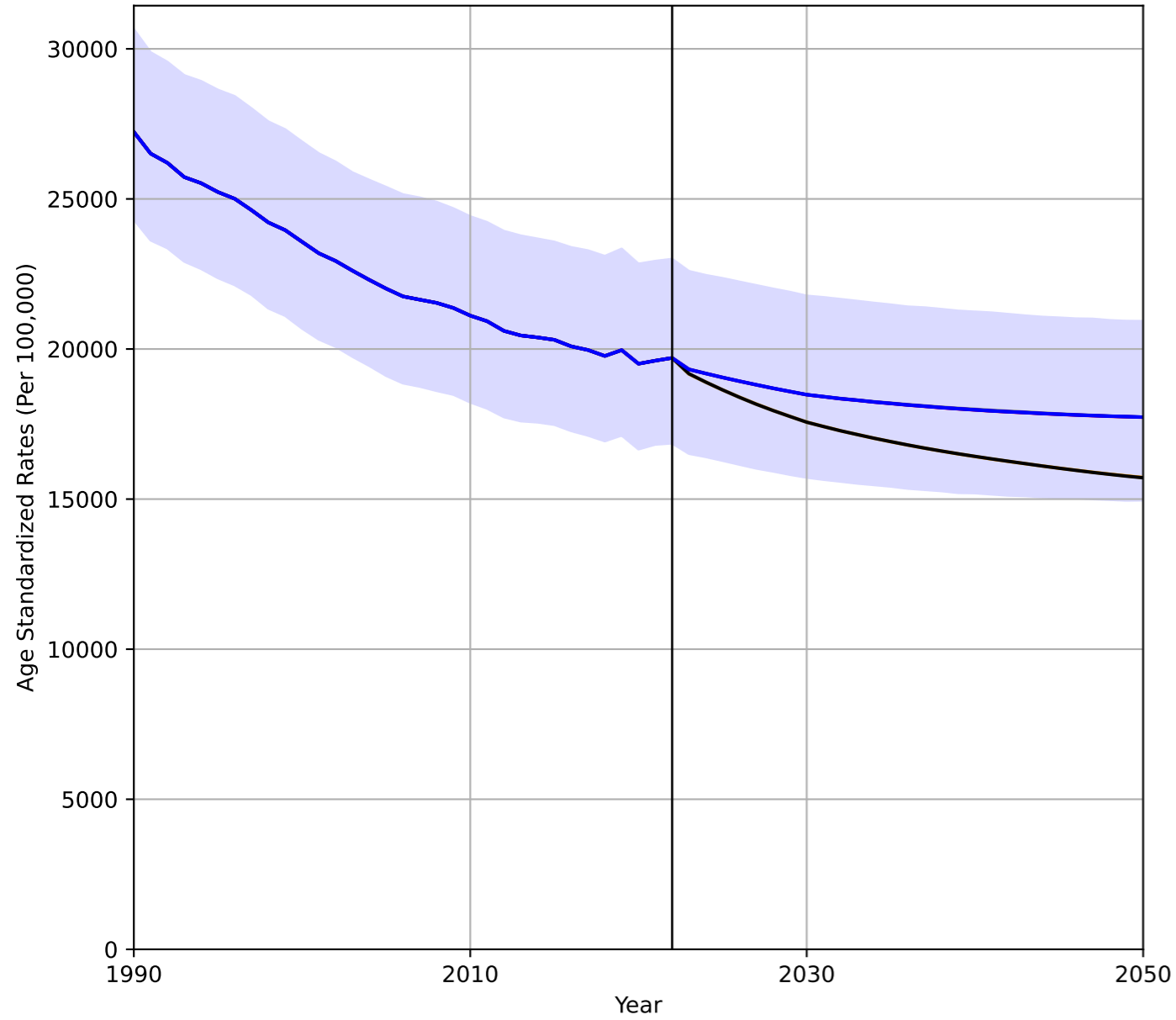
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# Australasia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

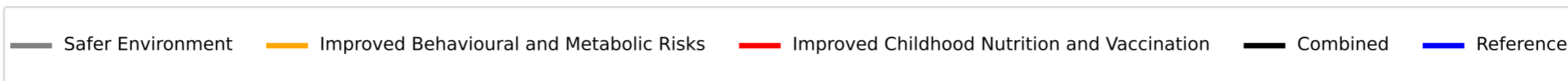
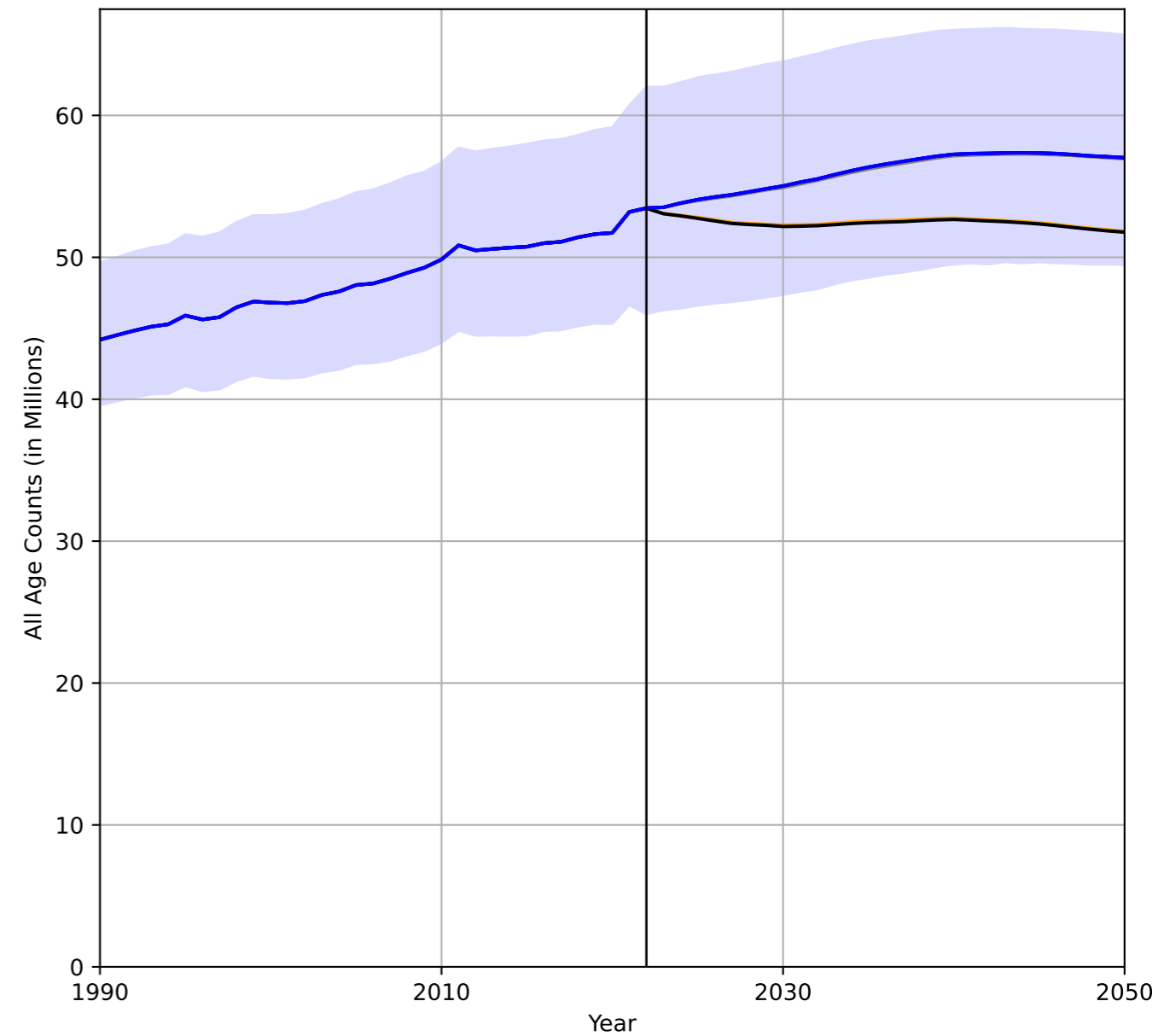
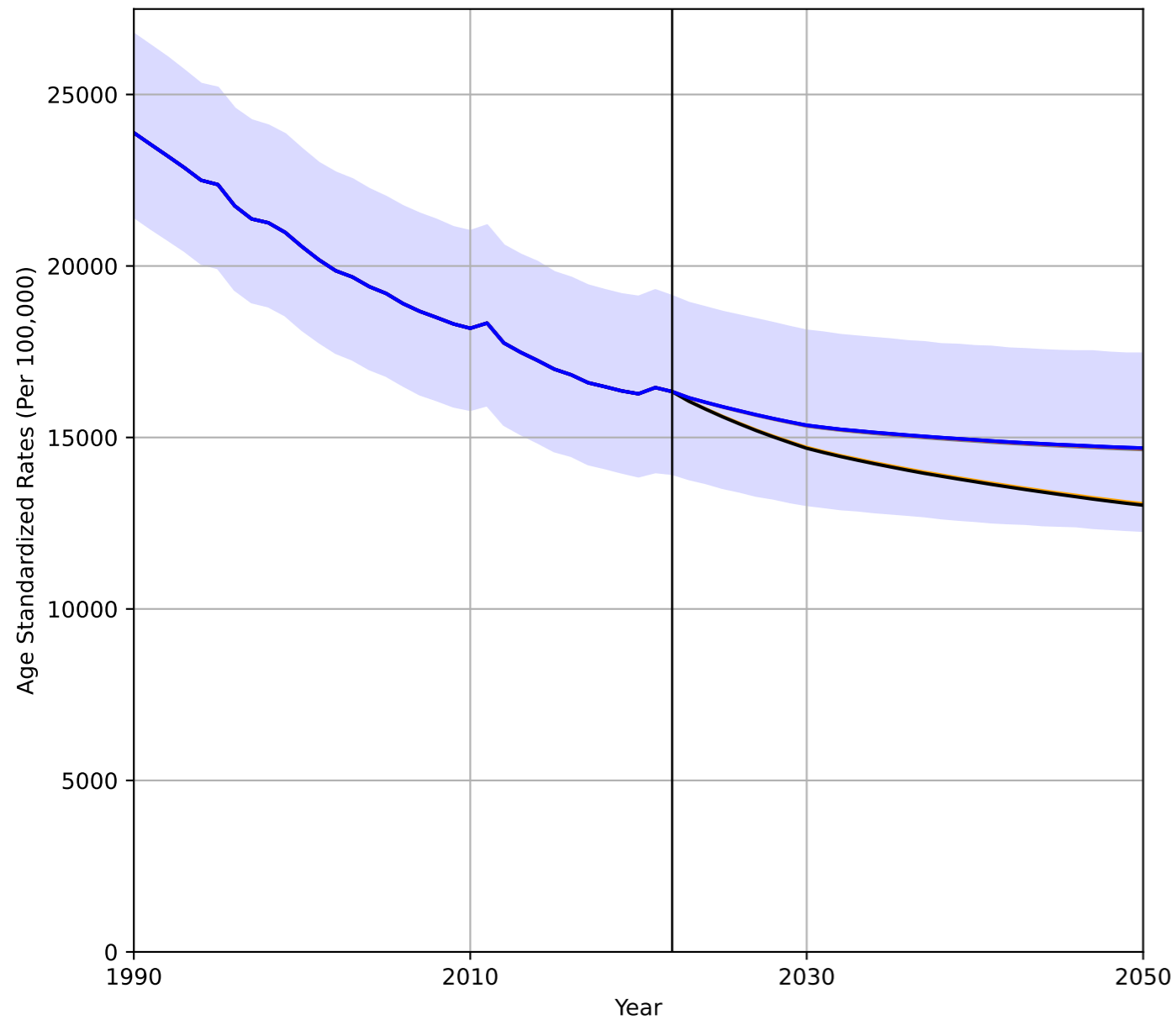
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# High-Income Asia Pacific

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

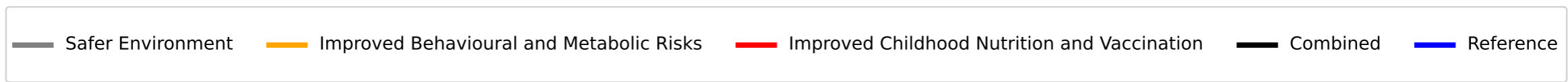
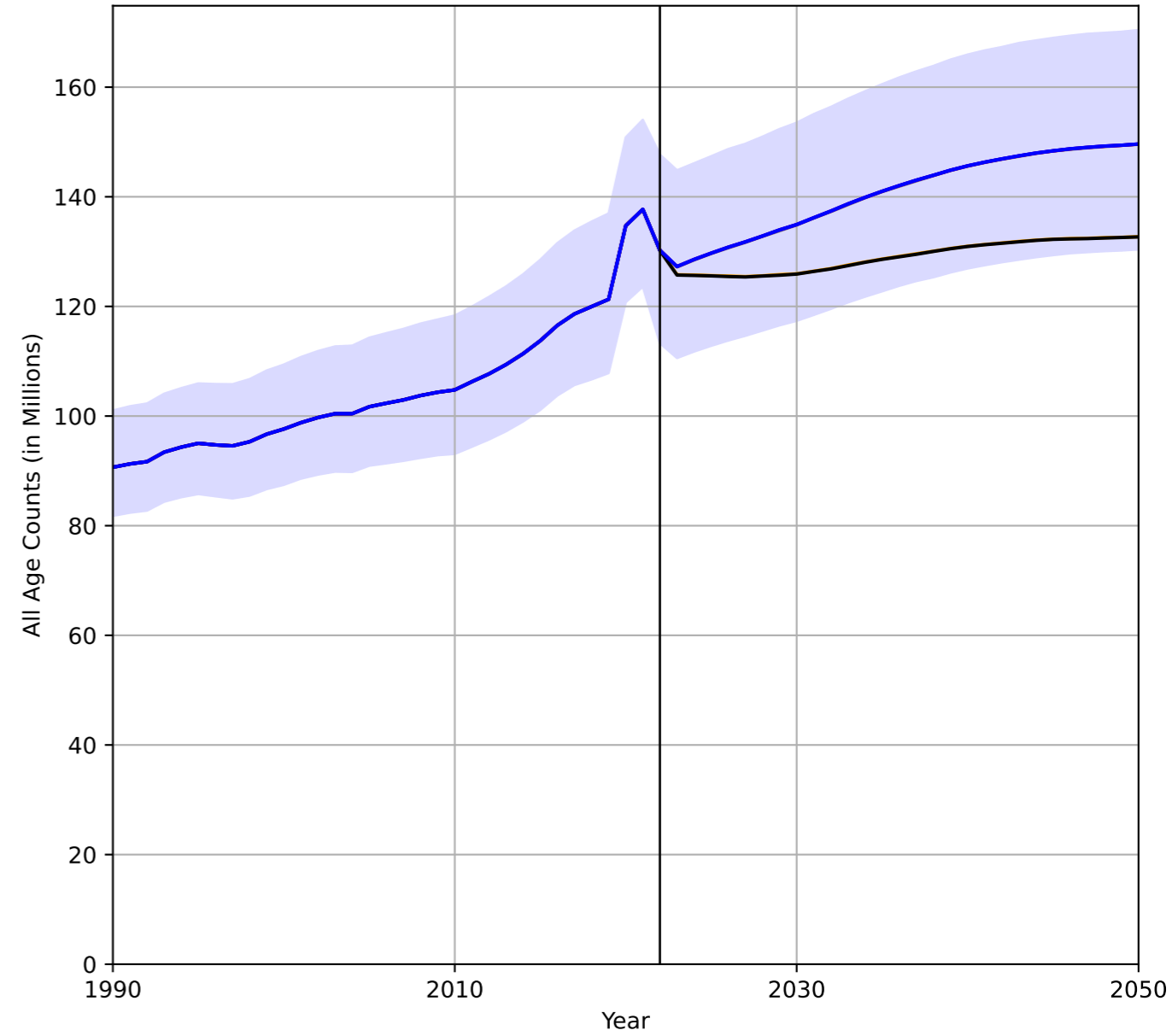
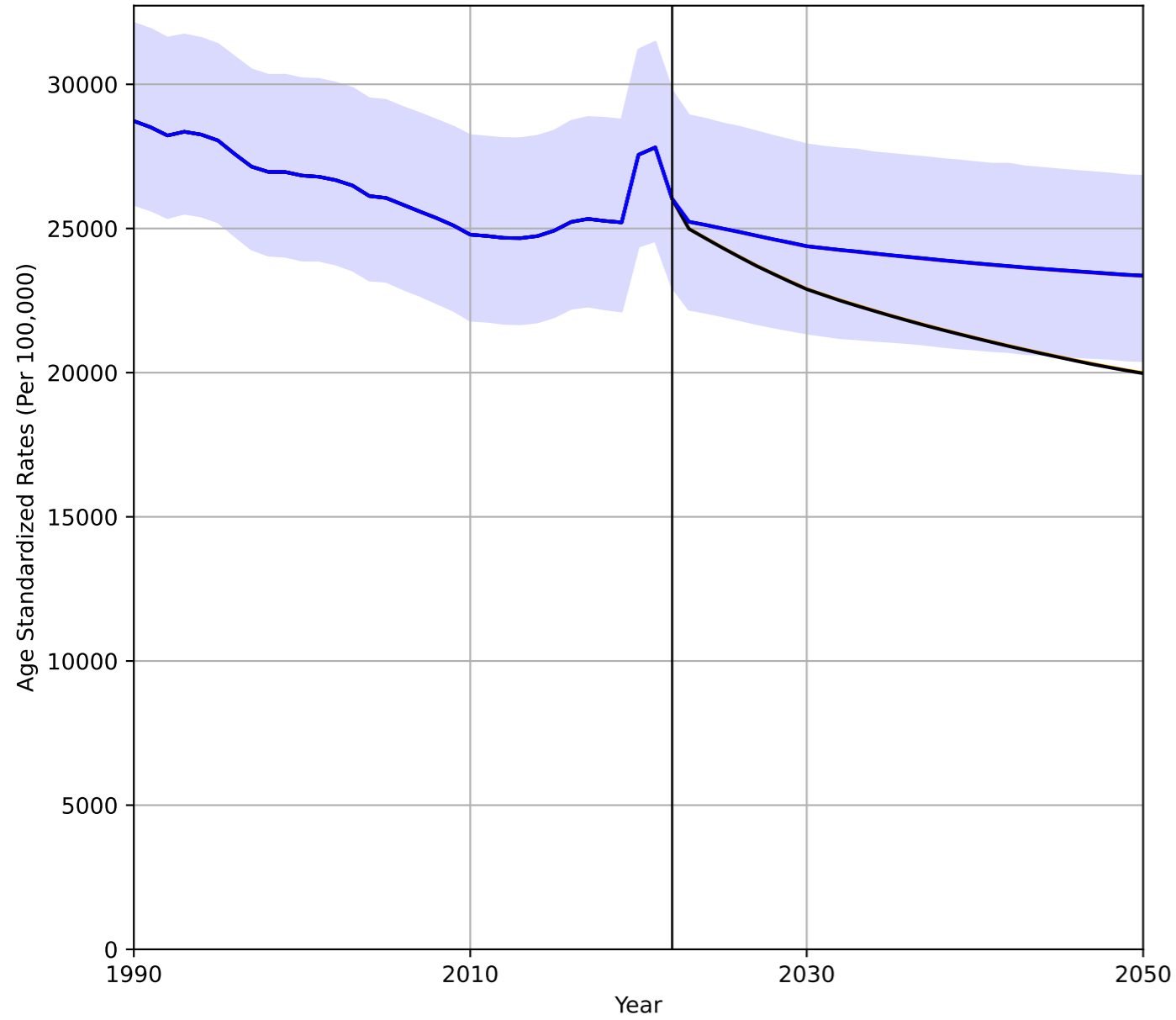
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# High-Income North America

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

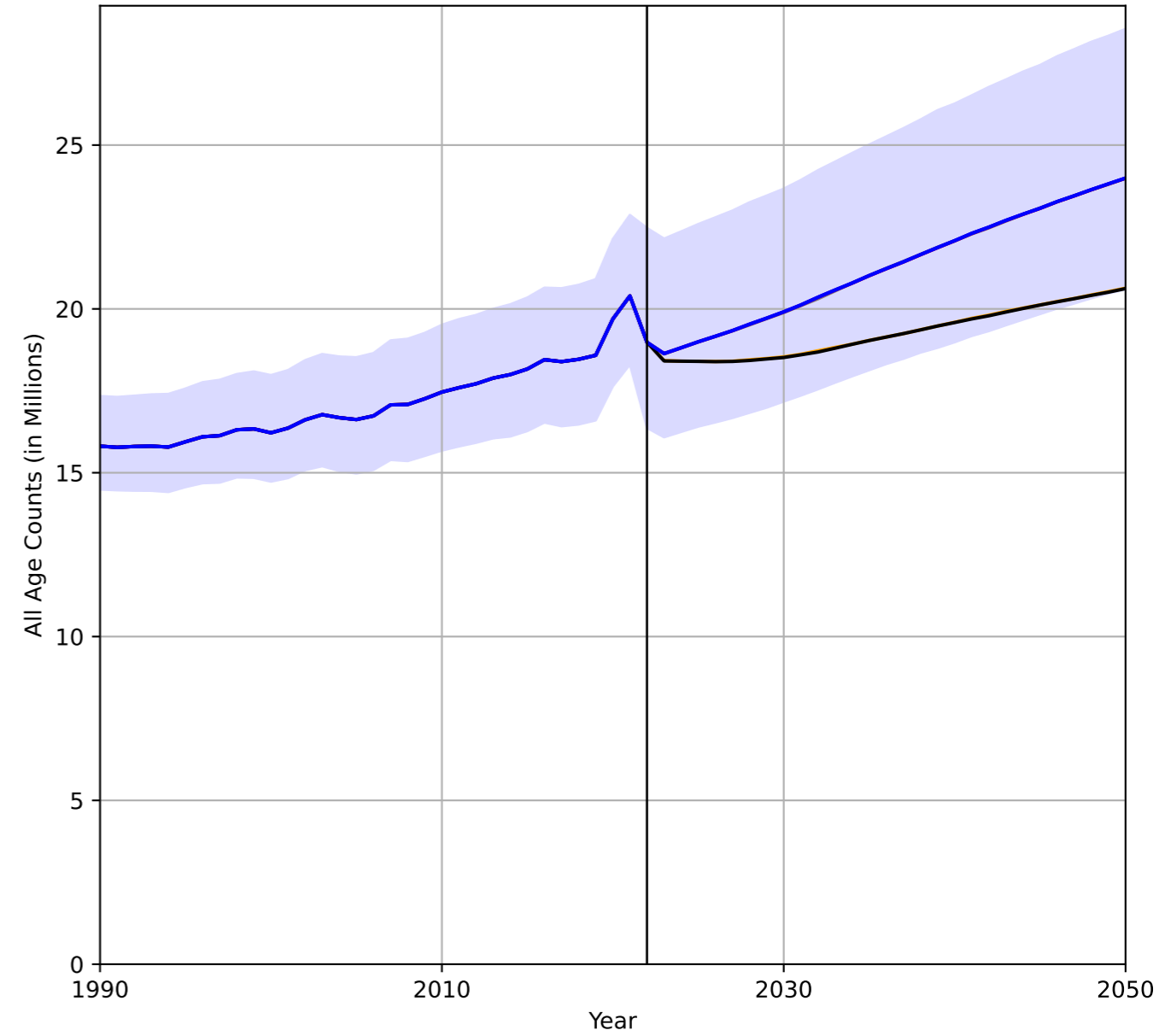
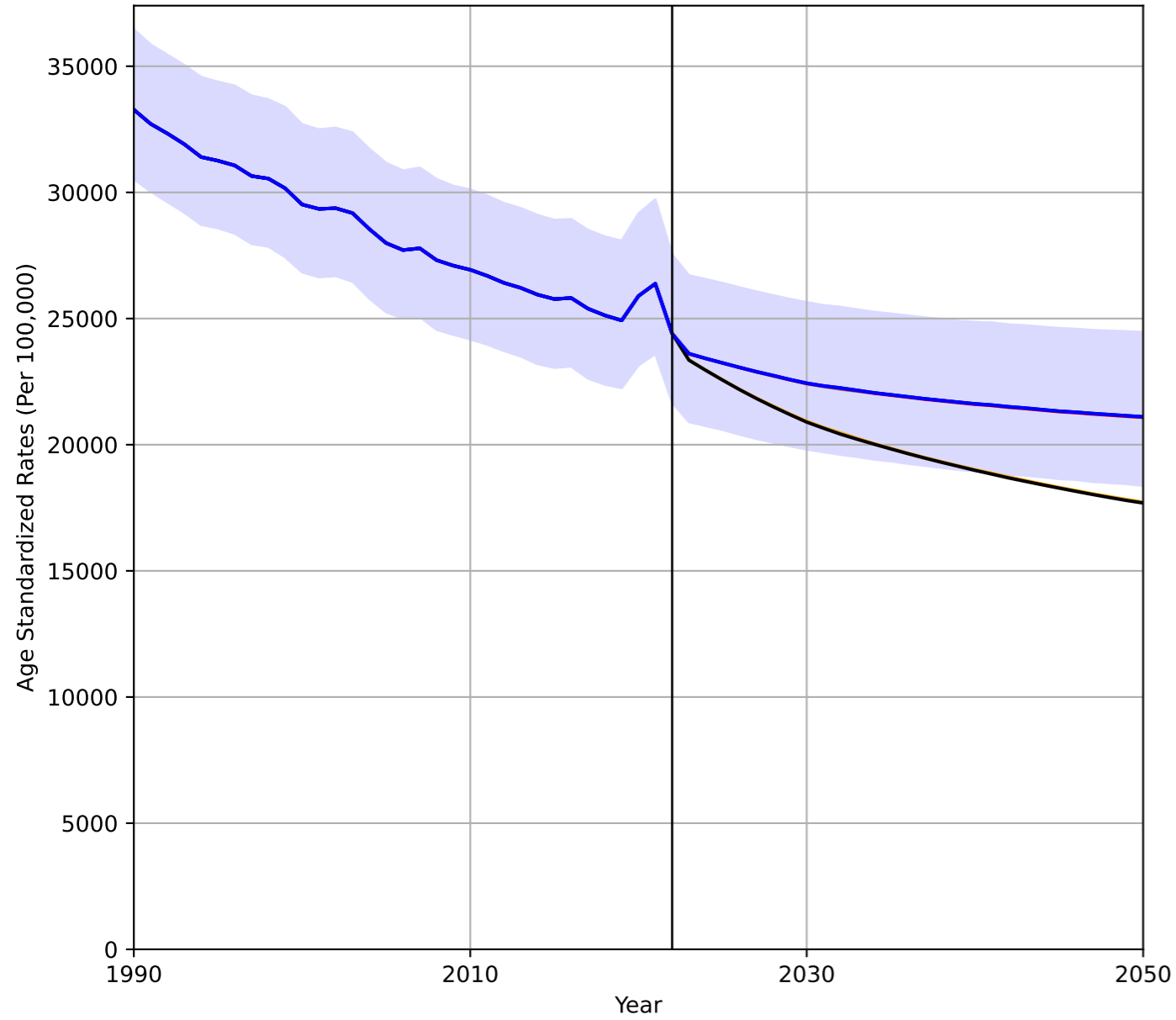
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# Southern Latin America

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

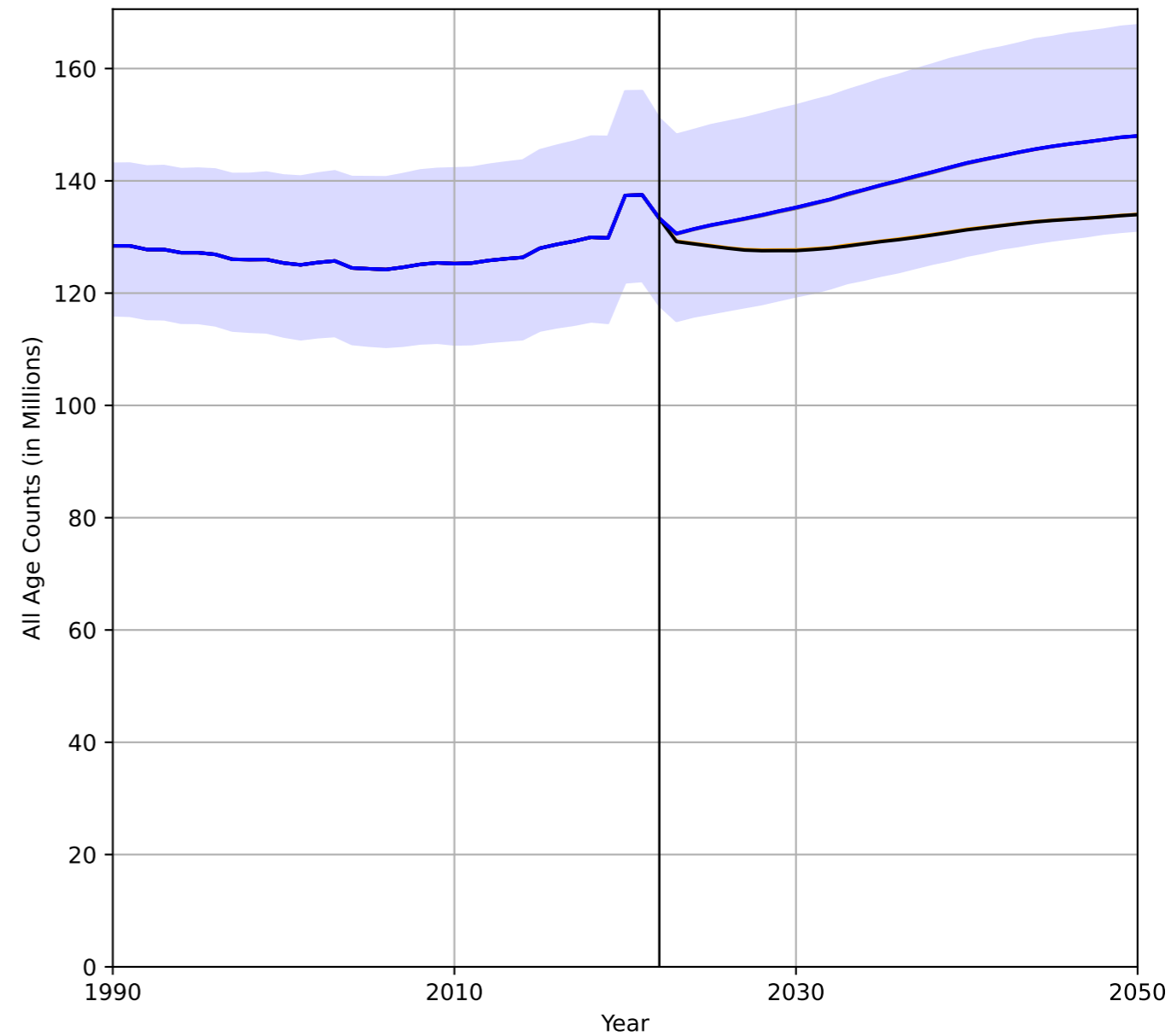
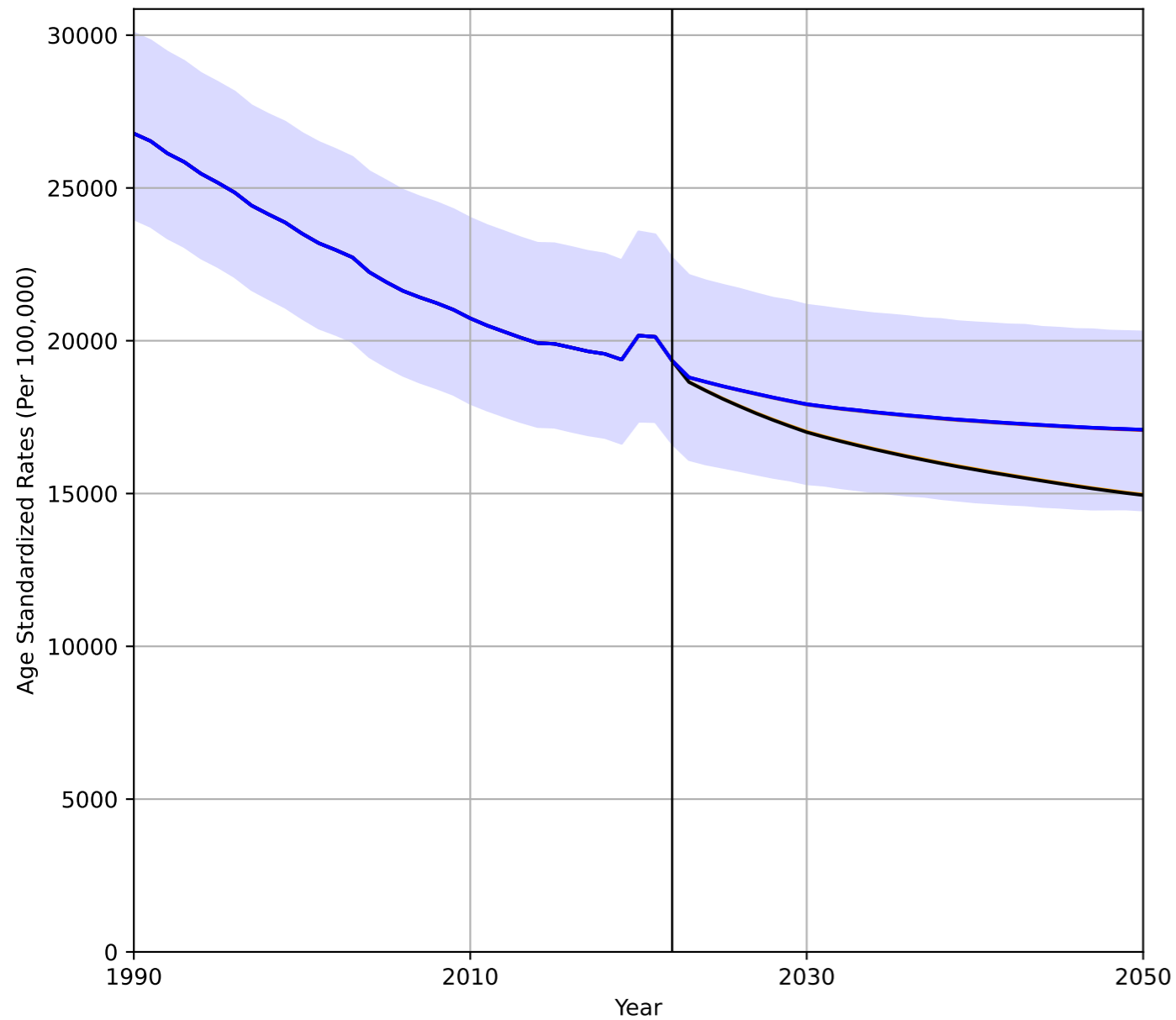
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# Western Europe

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

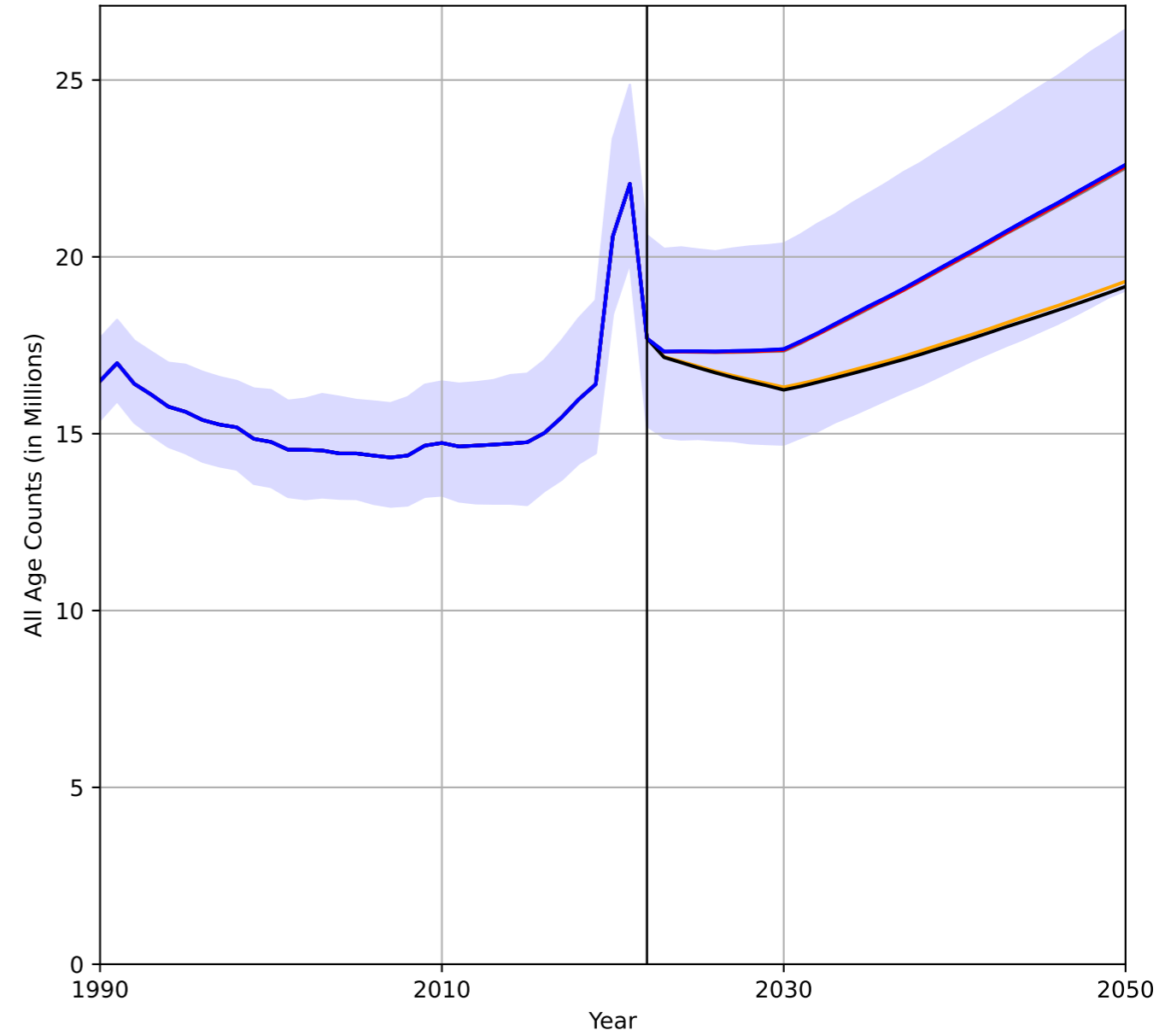
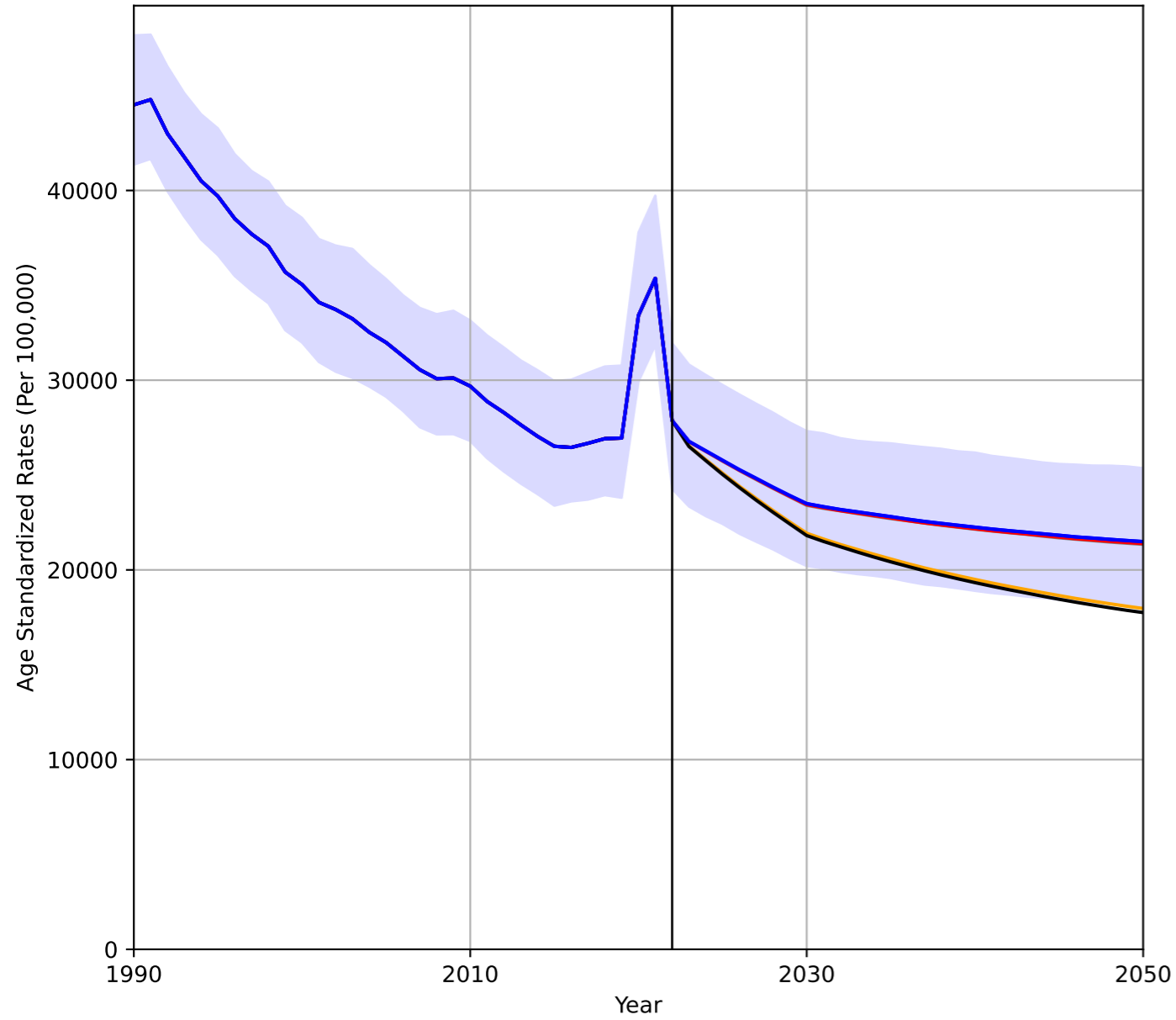
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# Andean Latin America

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1631

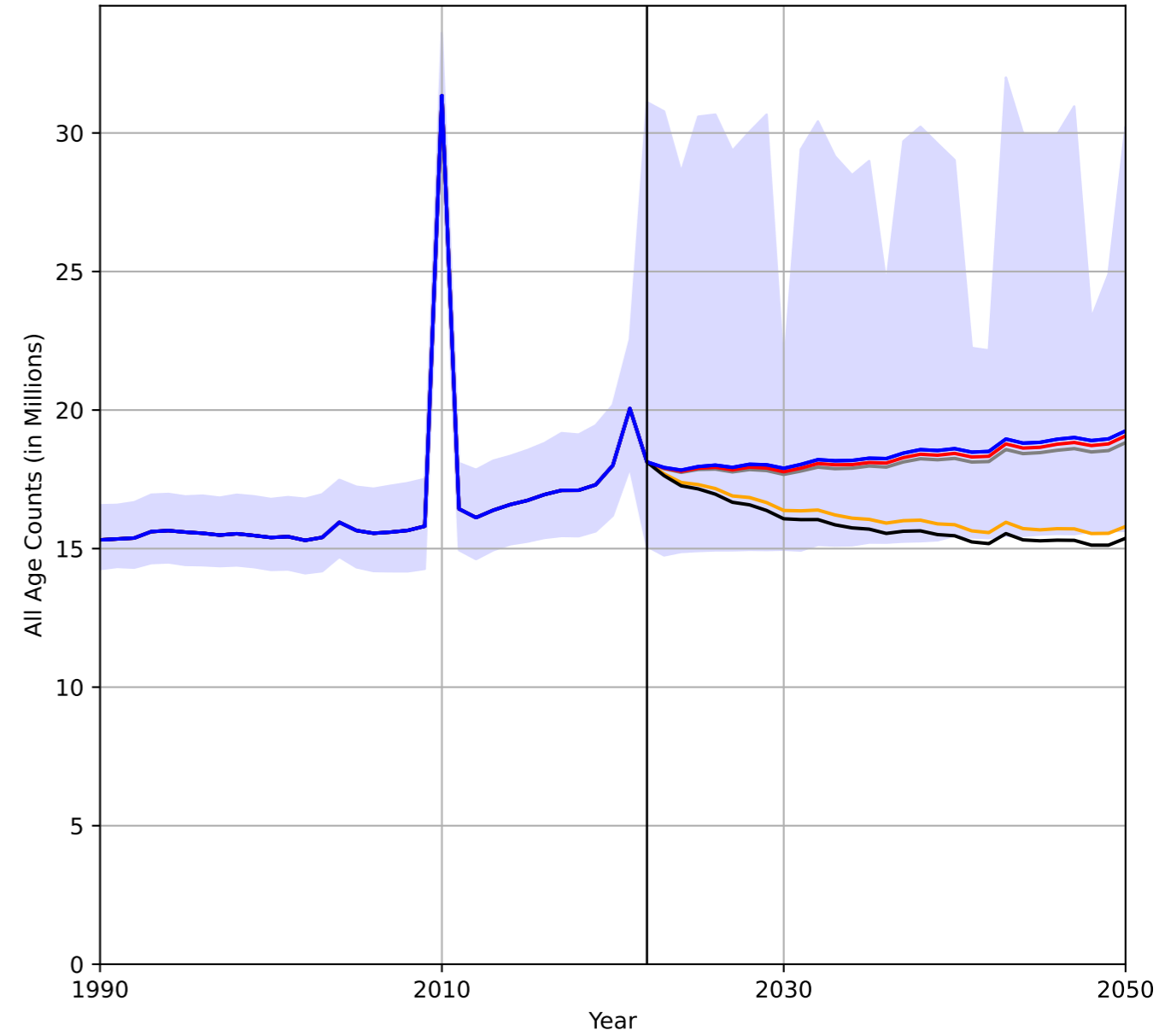
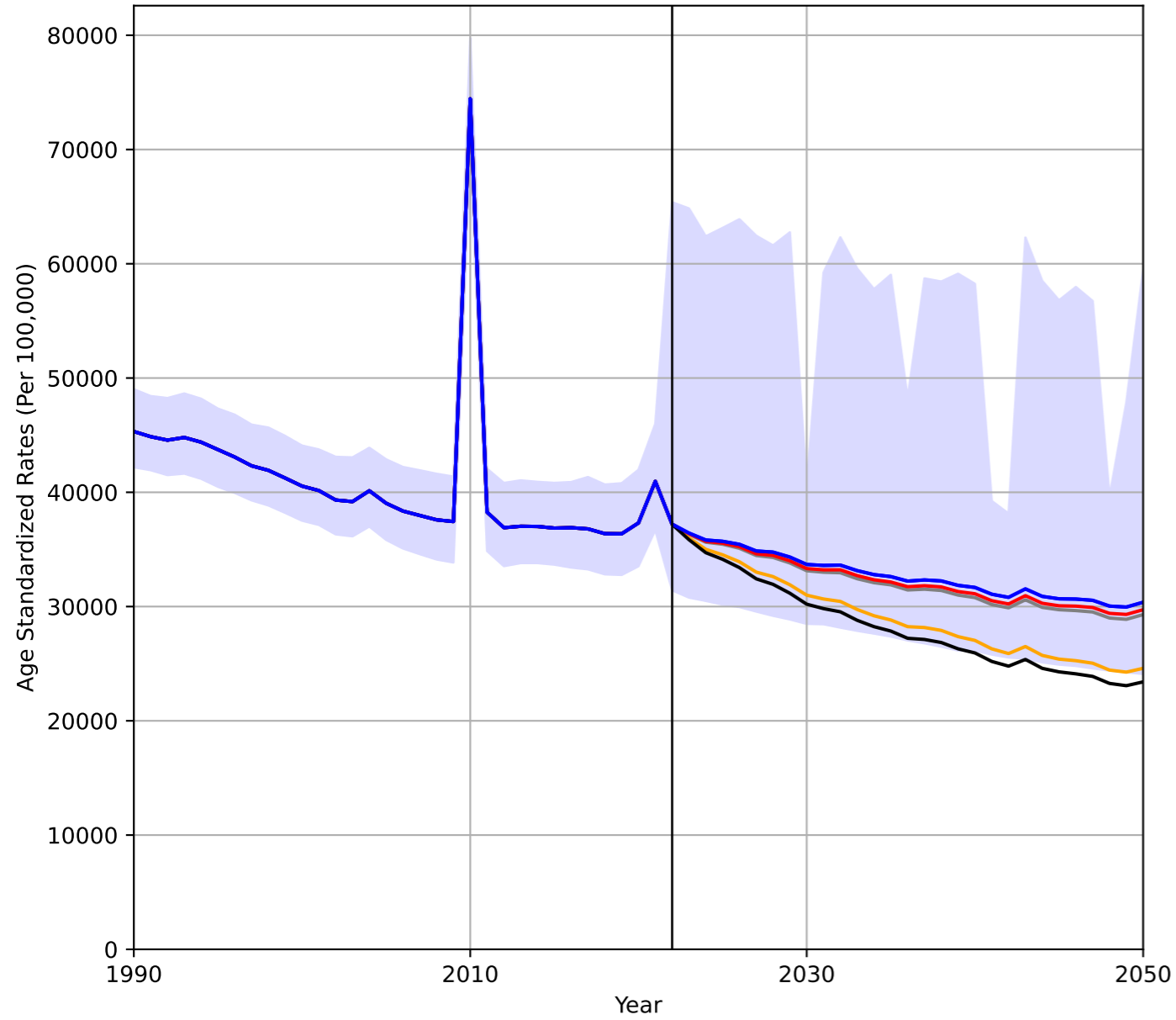




# Caribbean

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

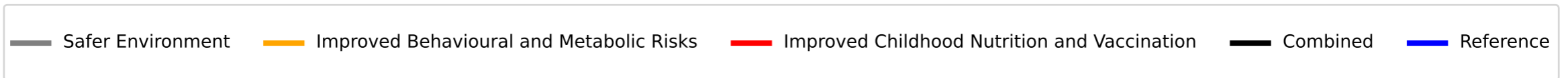
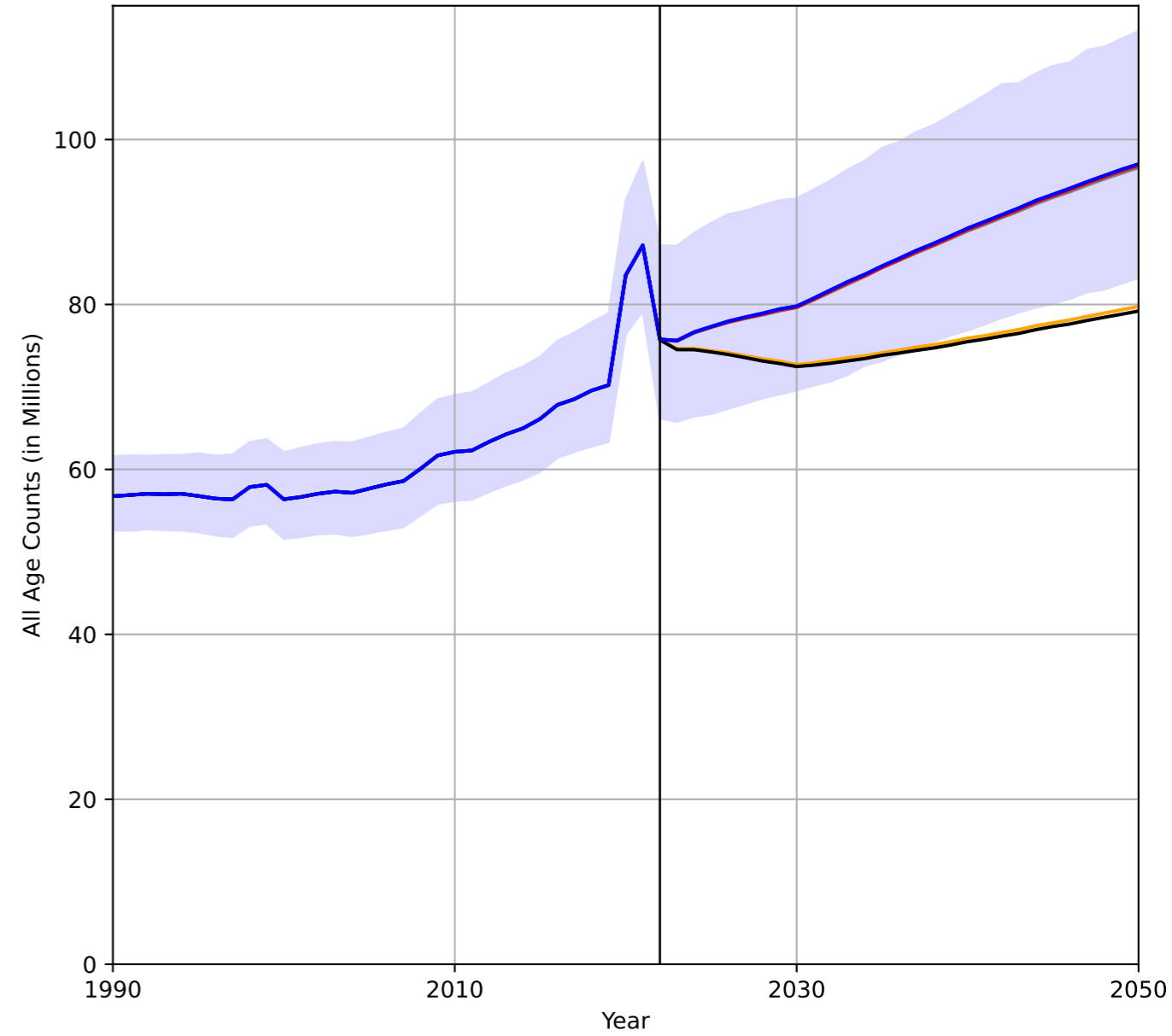
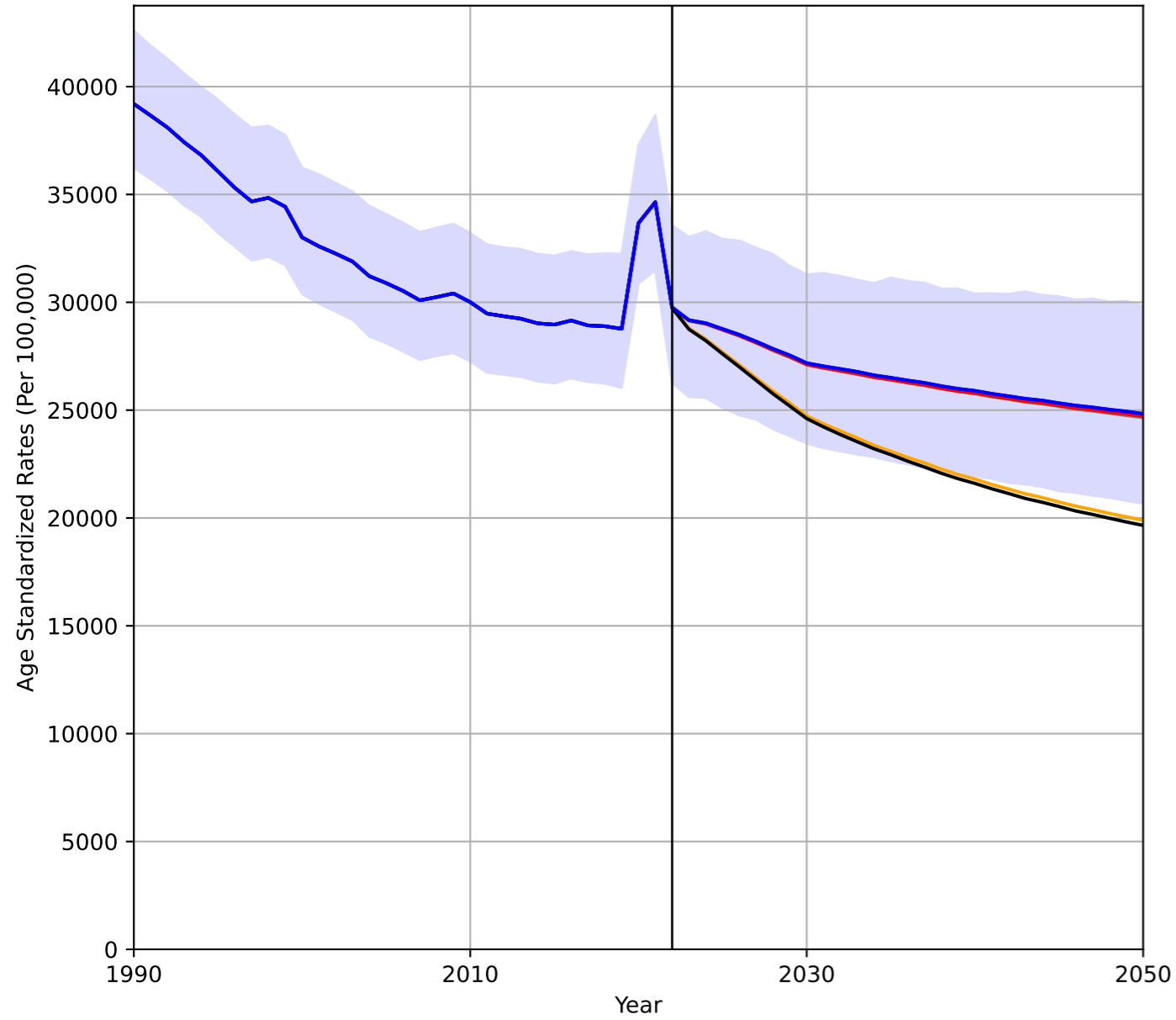
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# Central Latin America

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

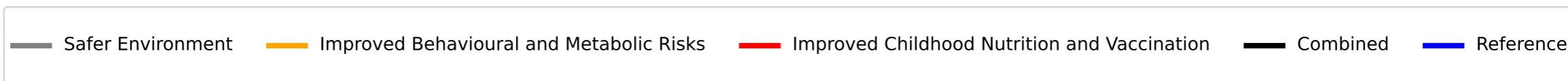
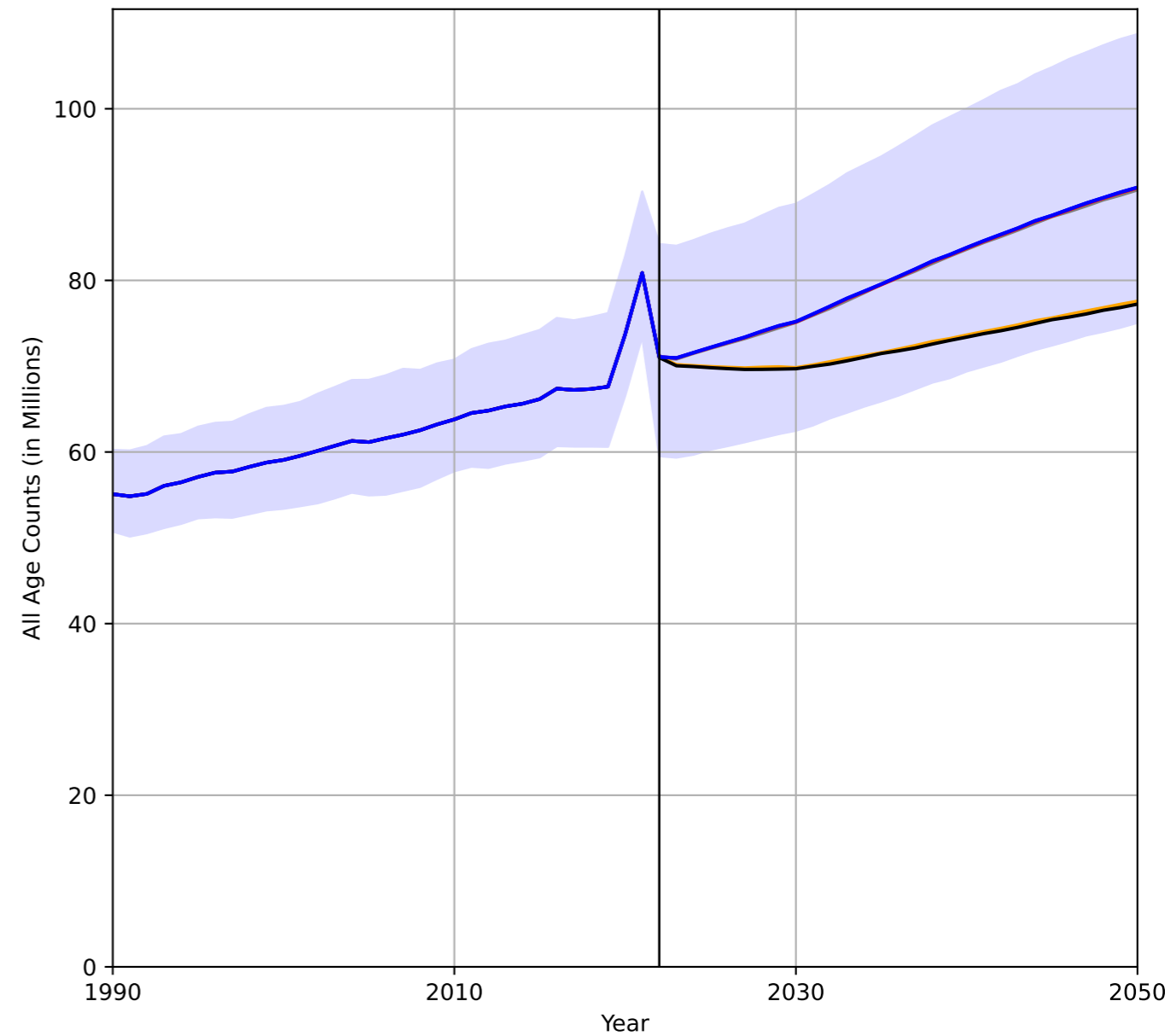
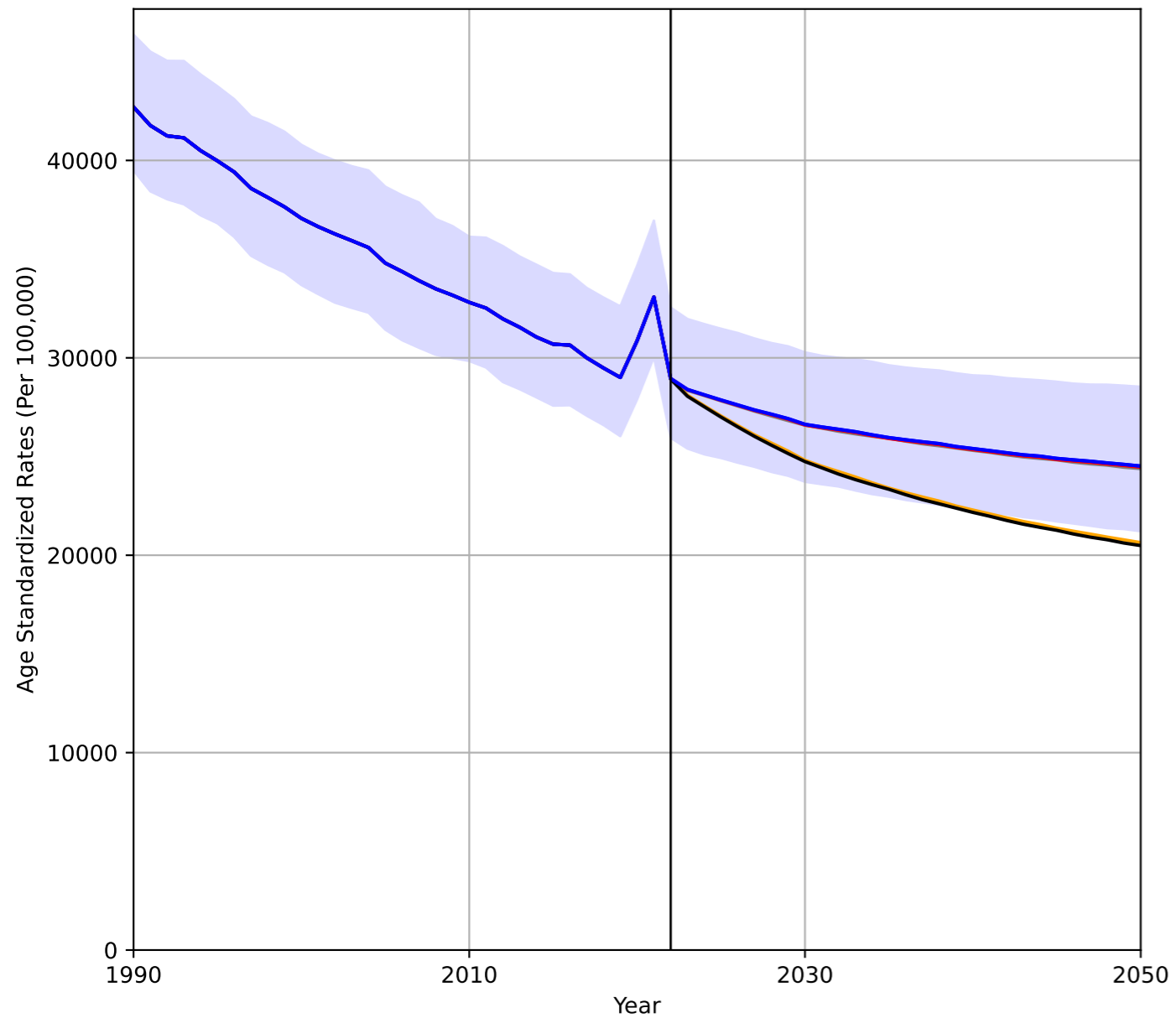
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# Tropical Latin America

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

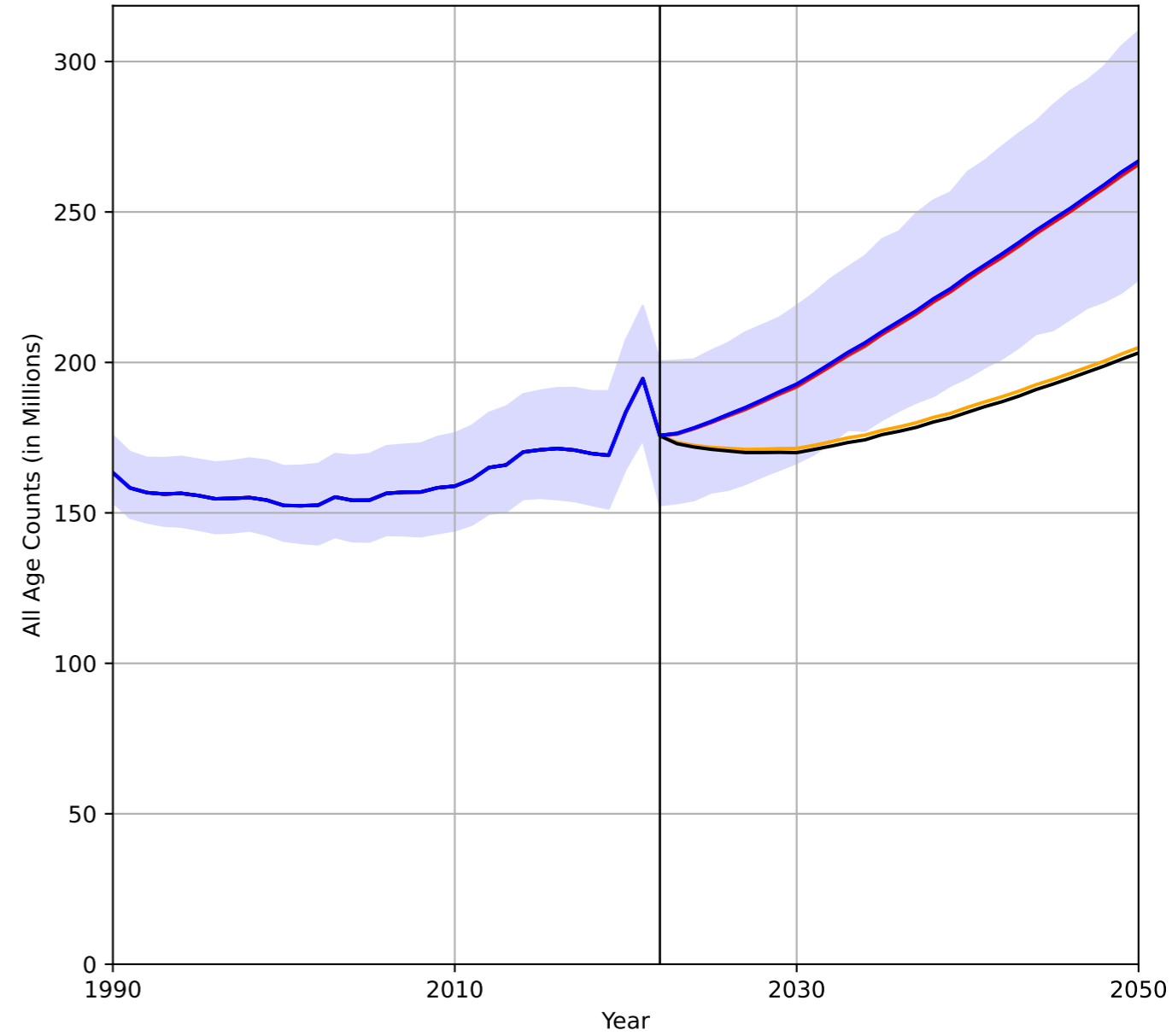
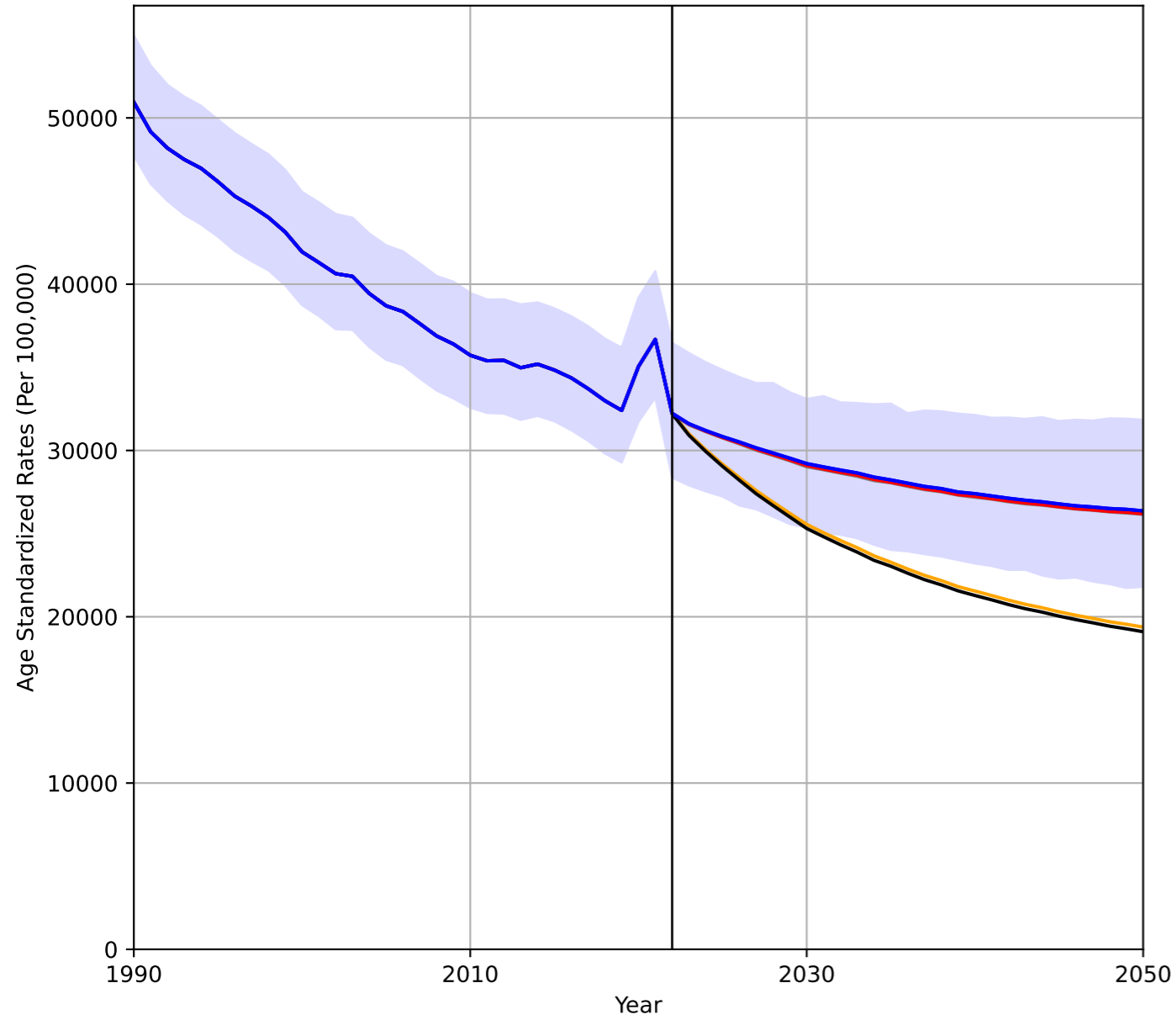
1634



# North Africa And Middle East

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

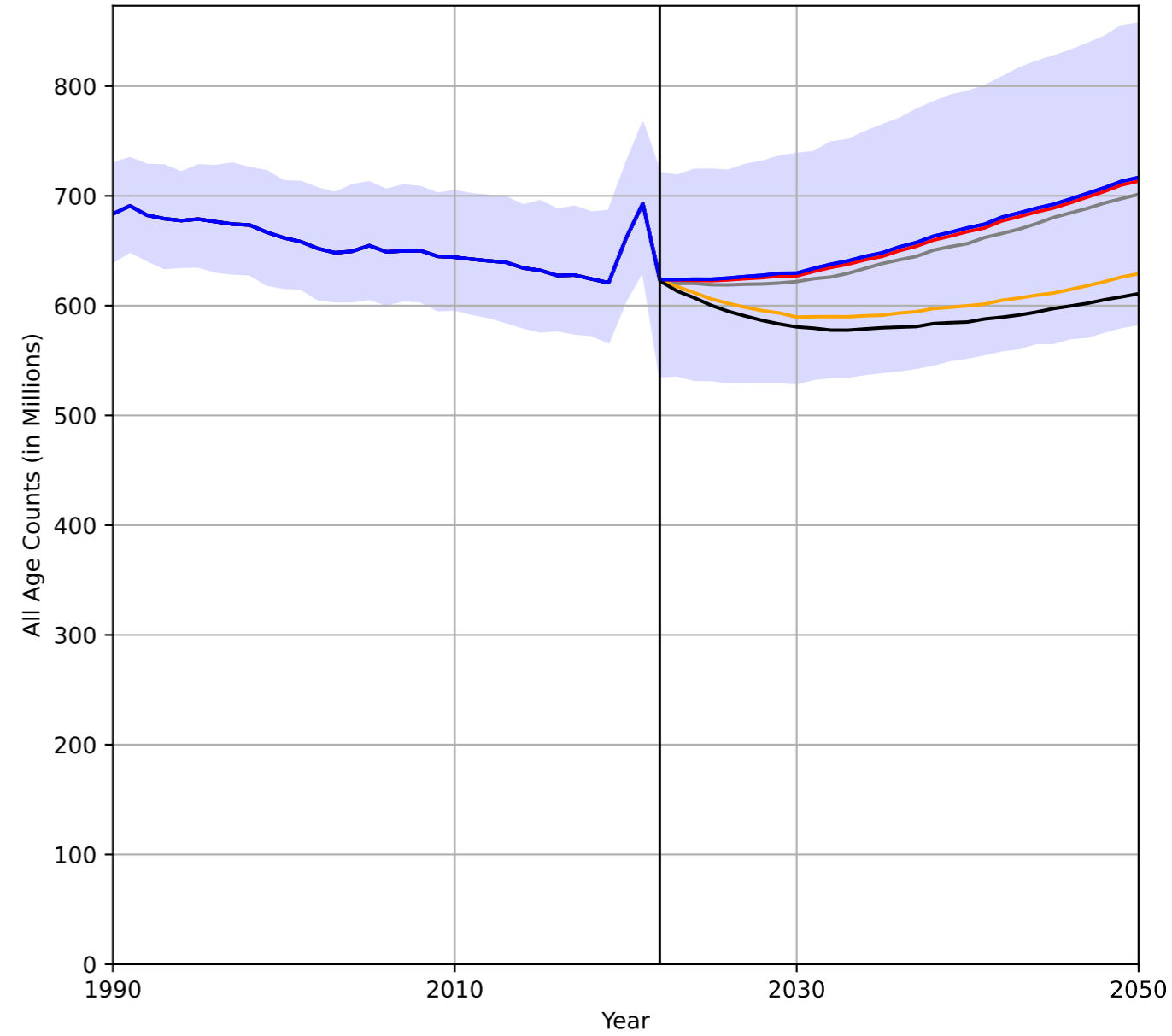
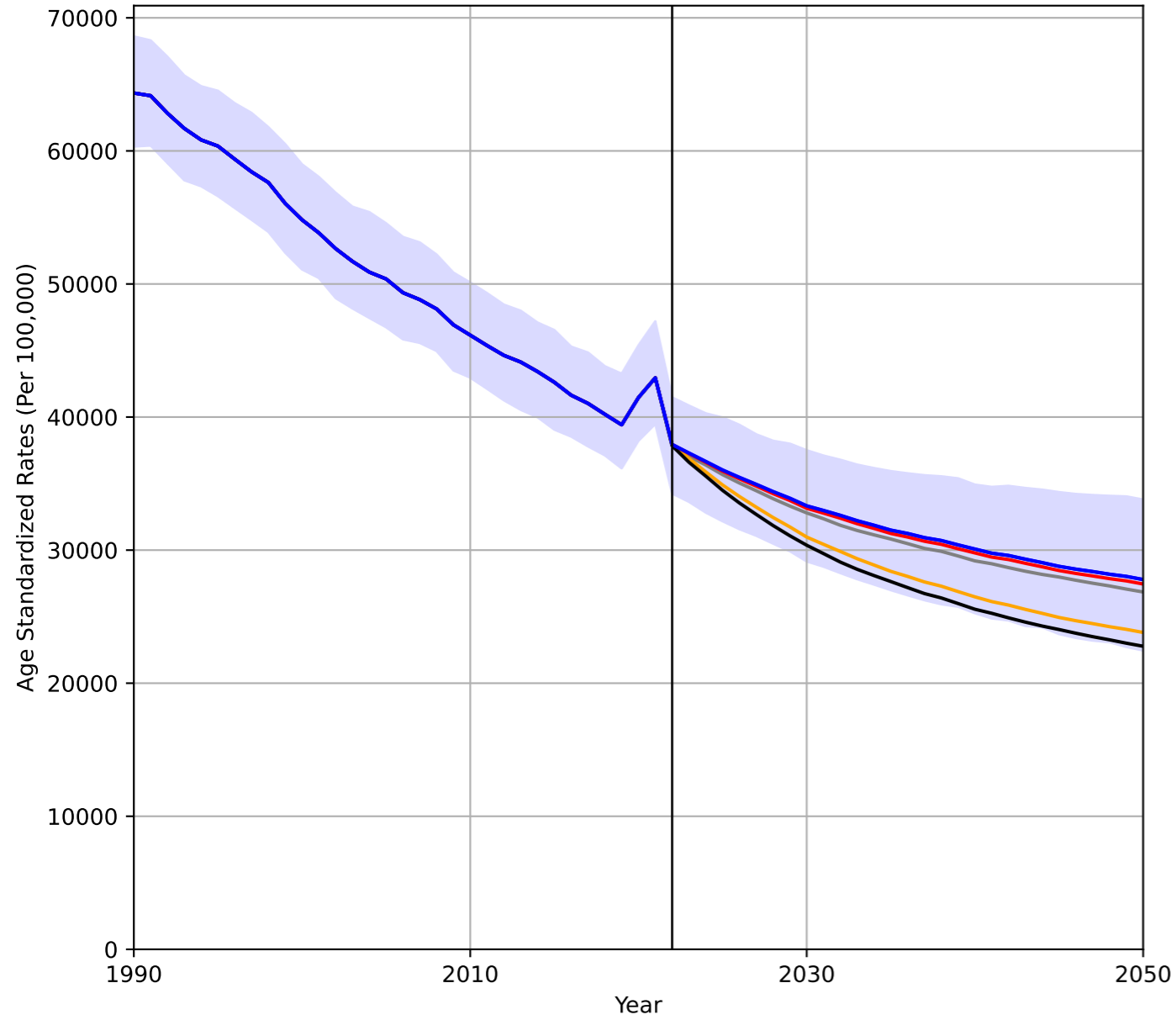
1635



# South Asia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

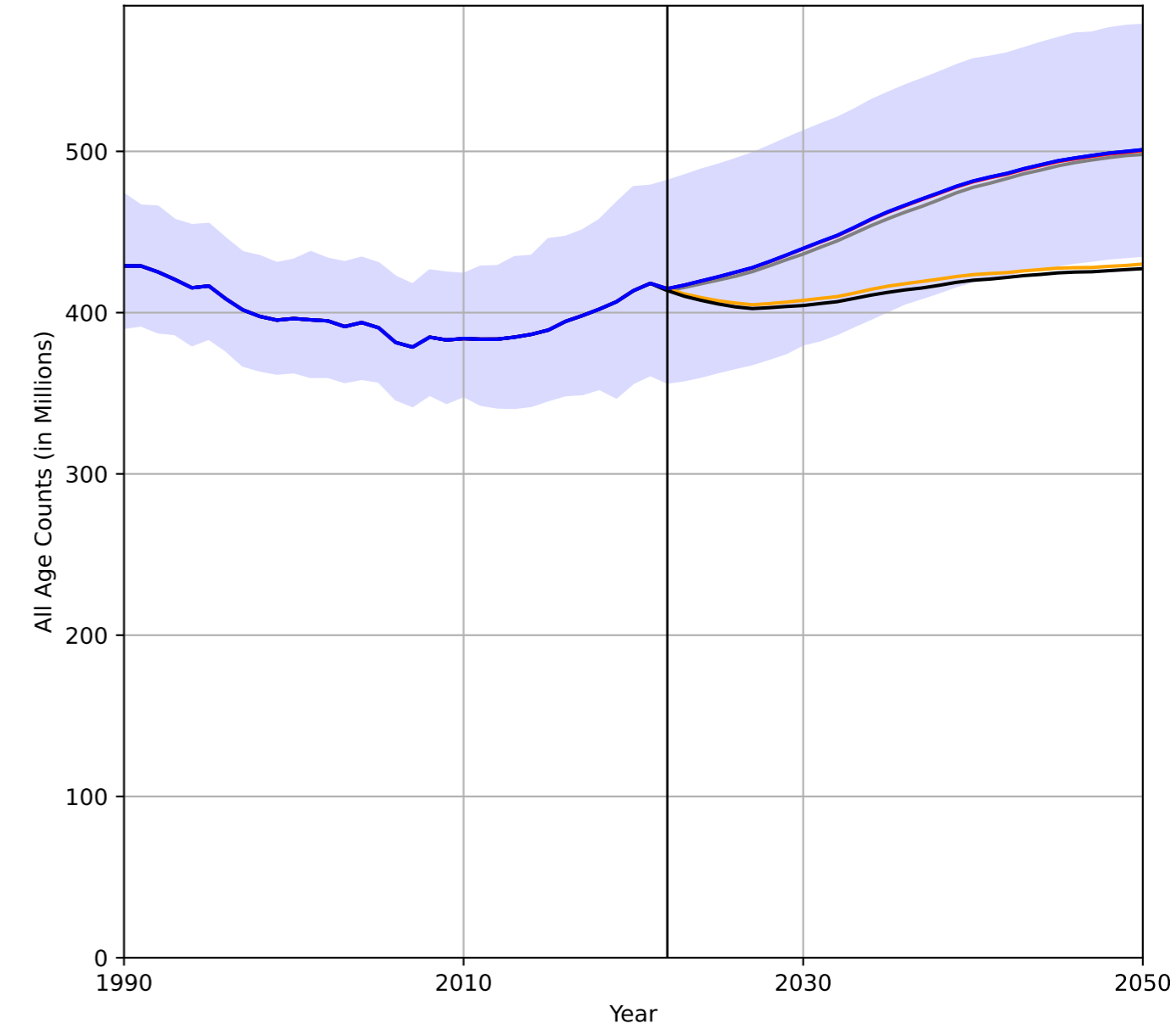
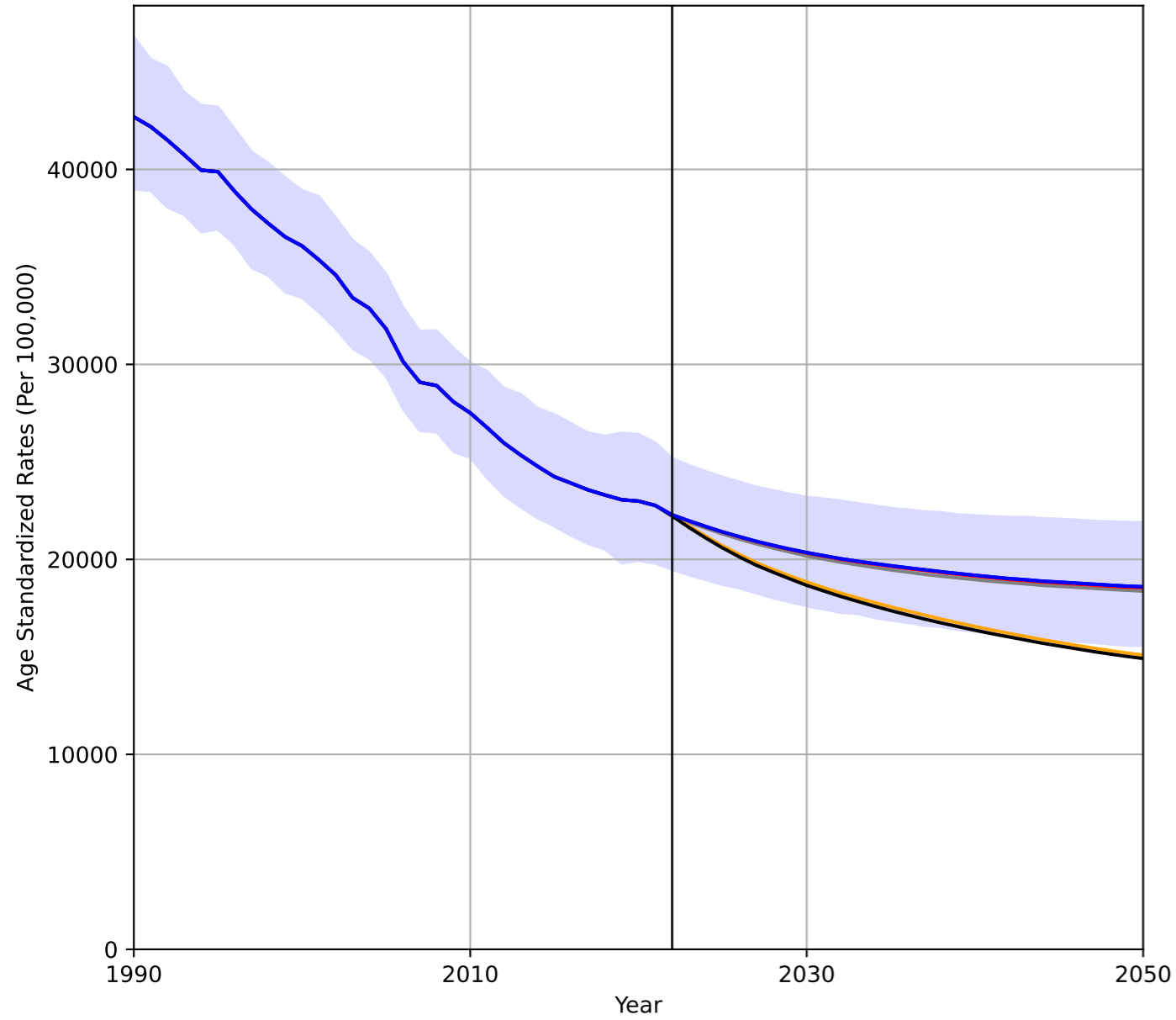
1636



# East Asia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

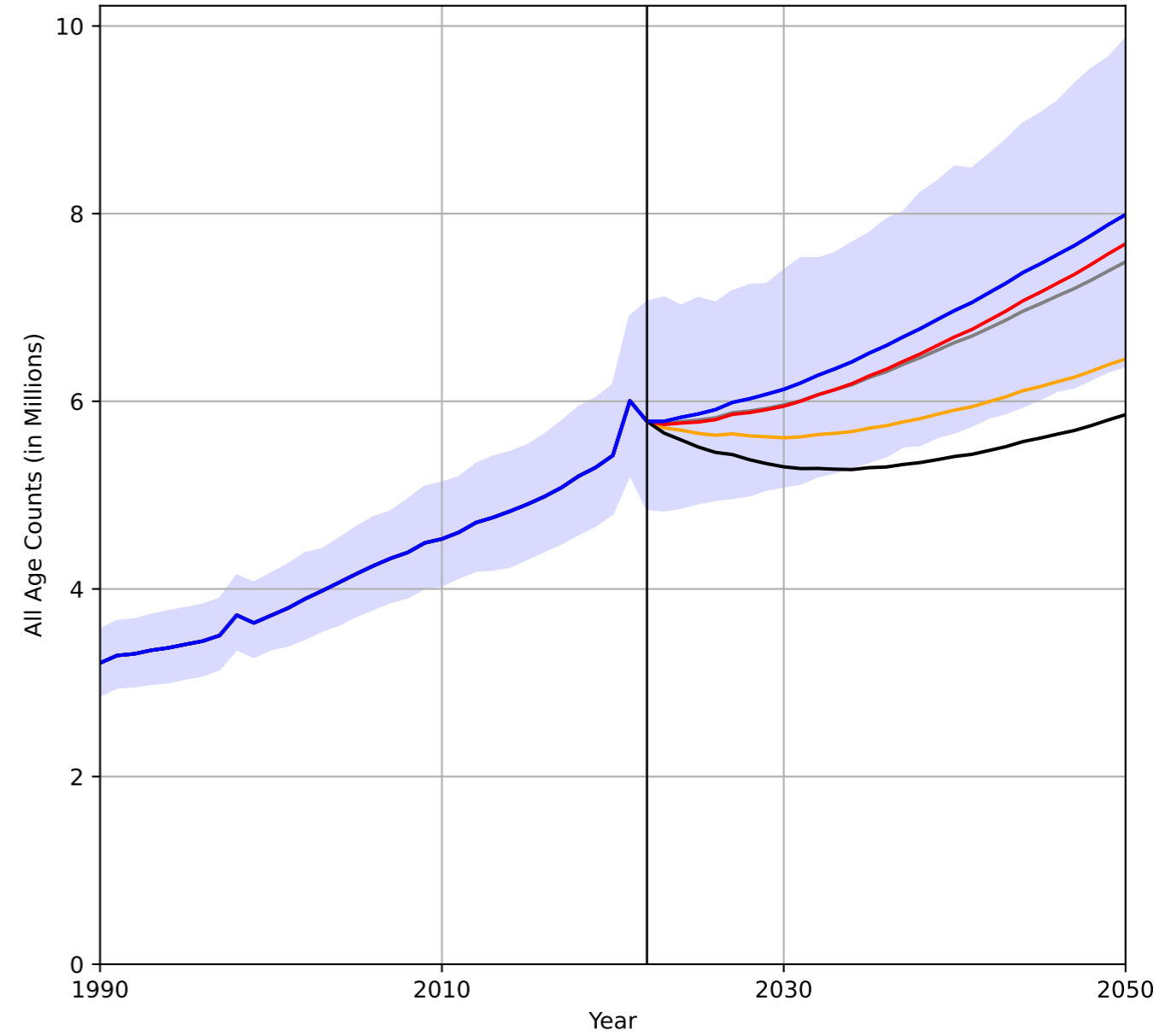
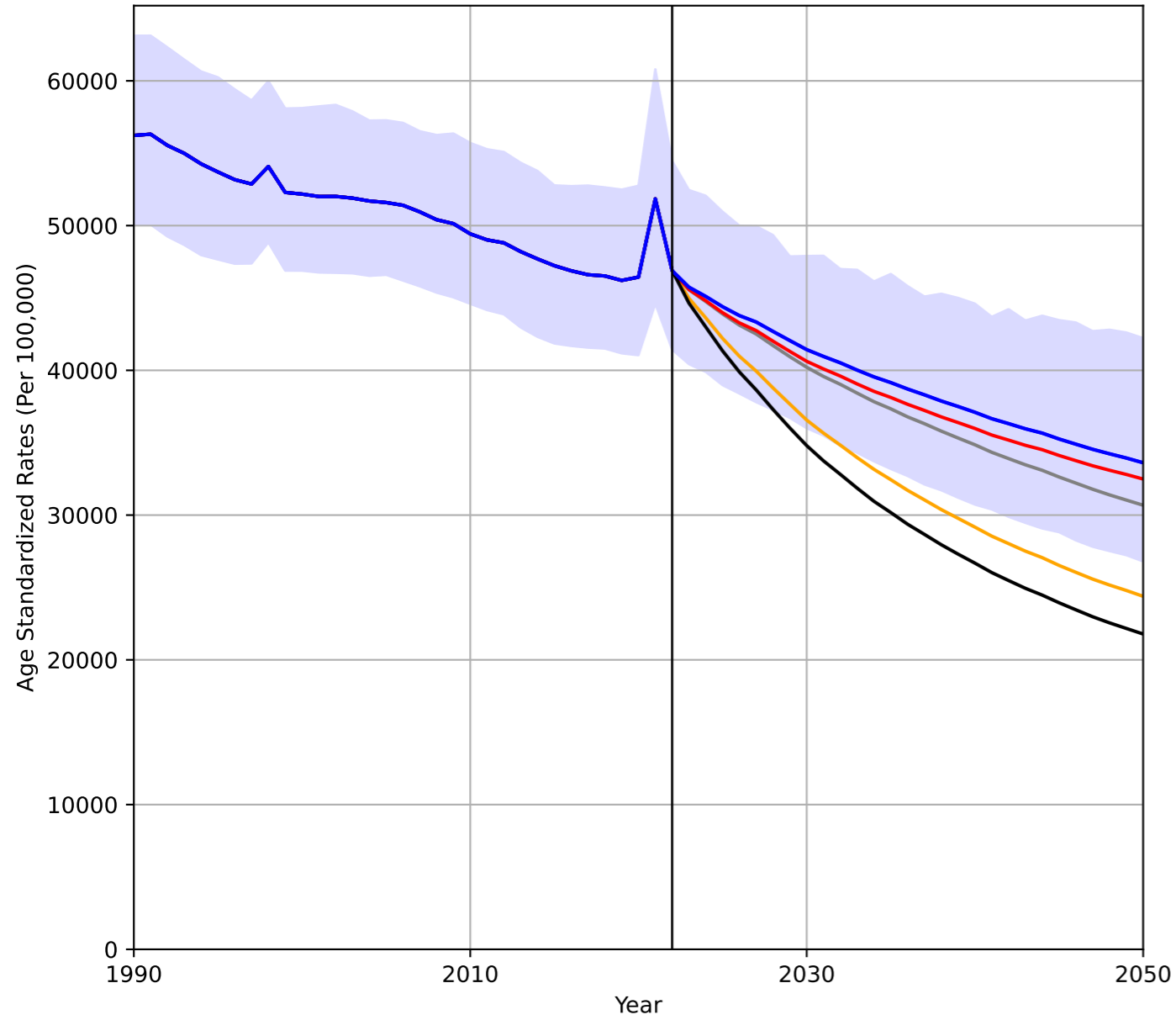
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# Oceania

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

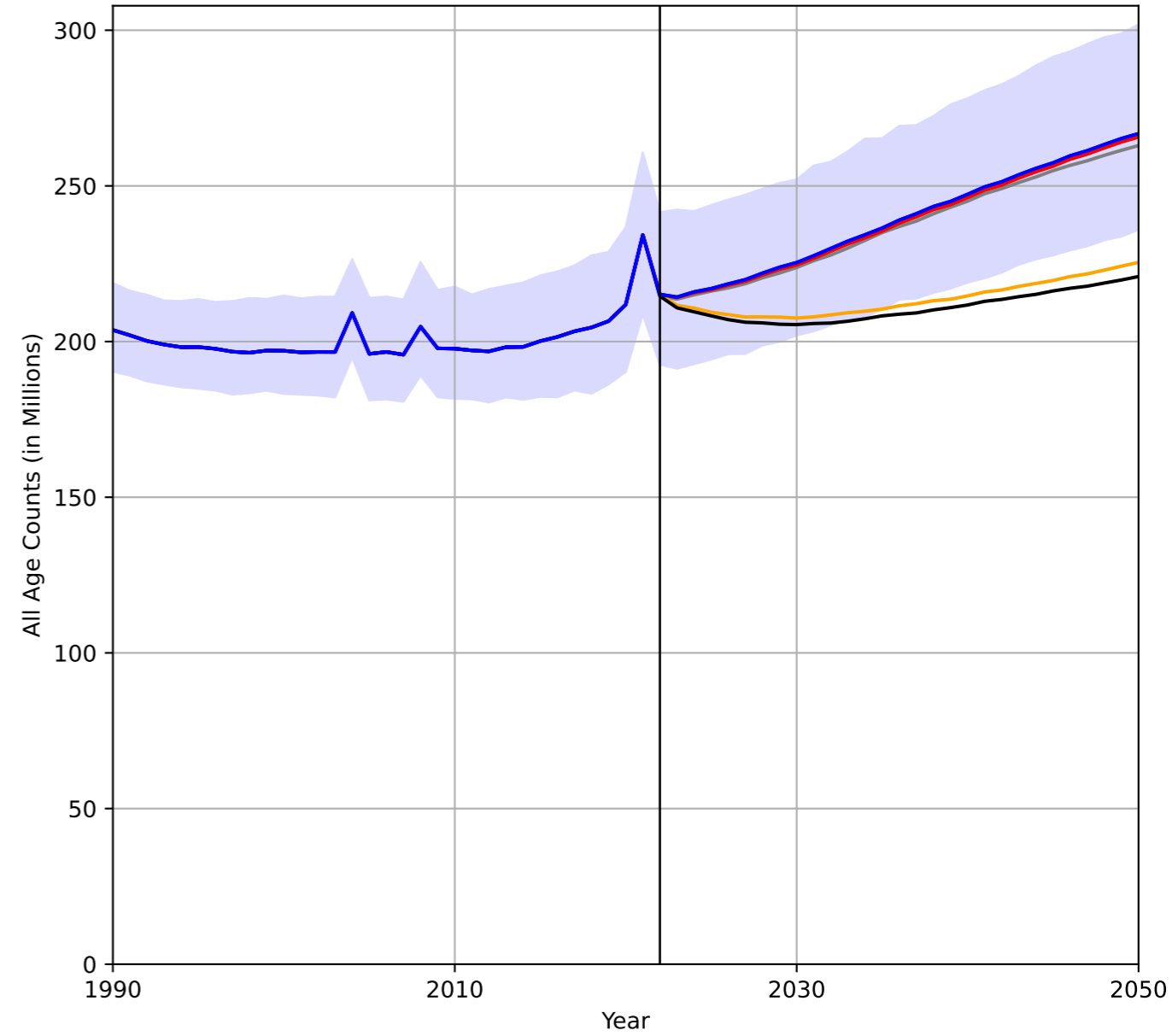
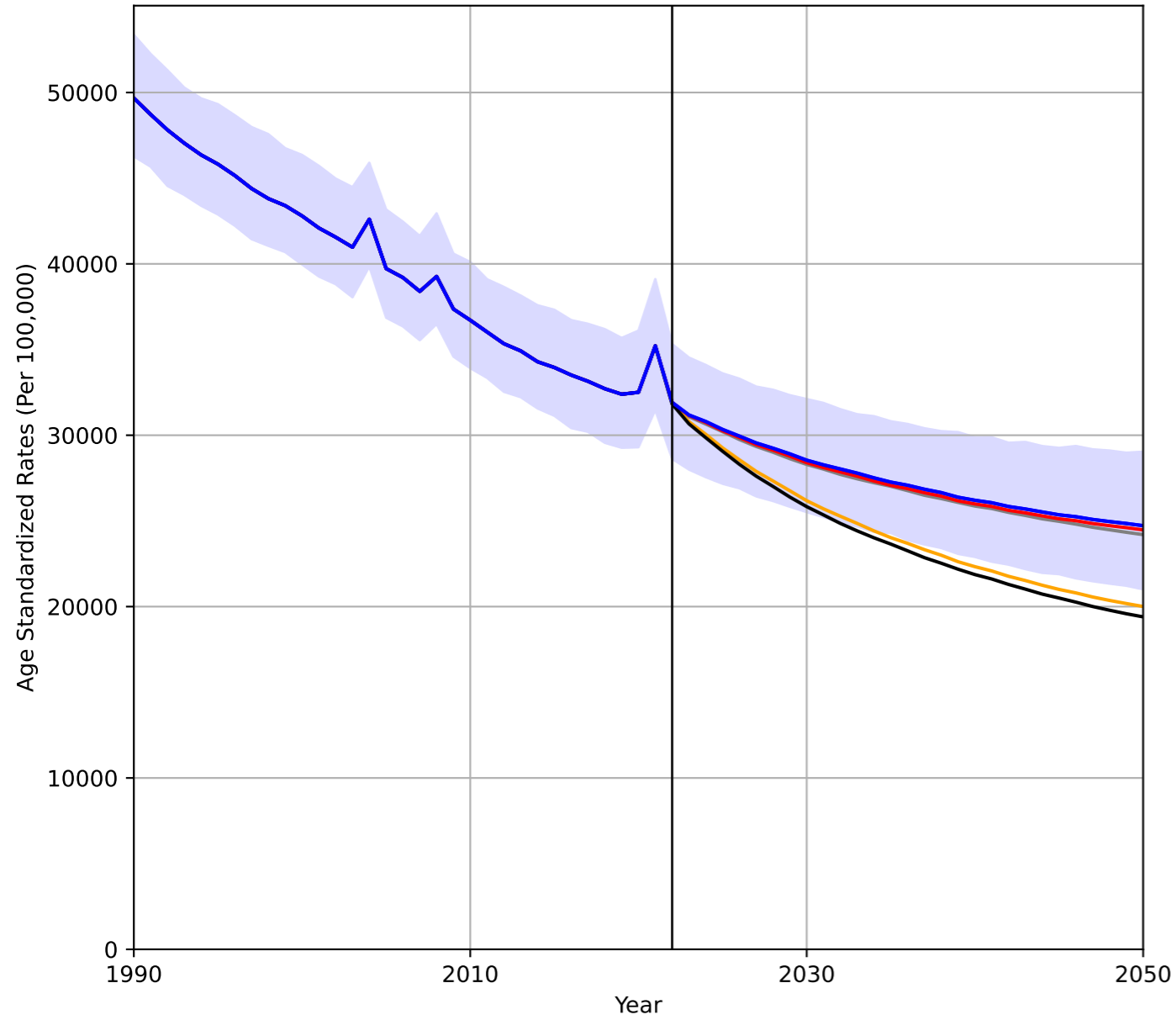
1638



# Southeast Asia

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

1639

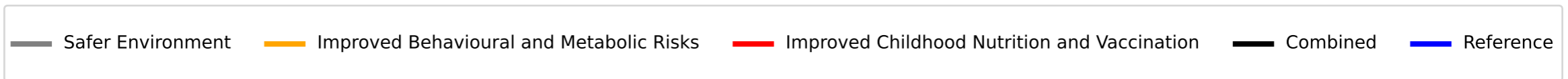
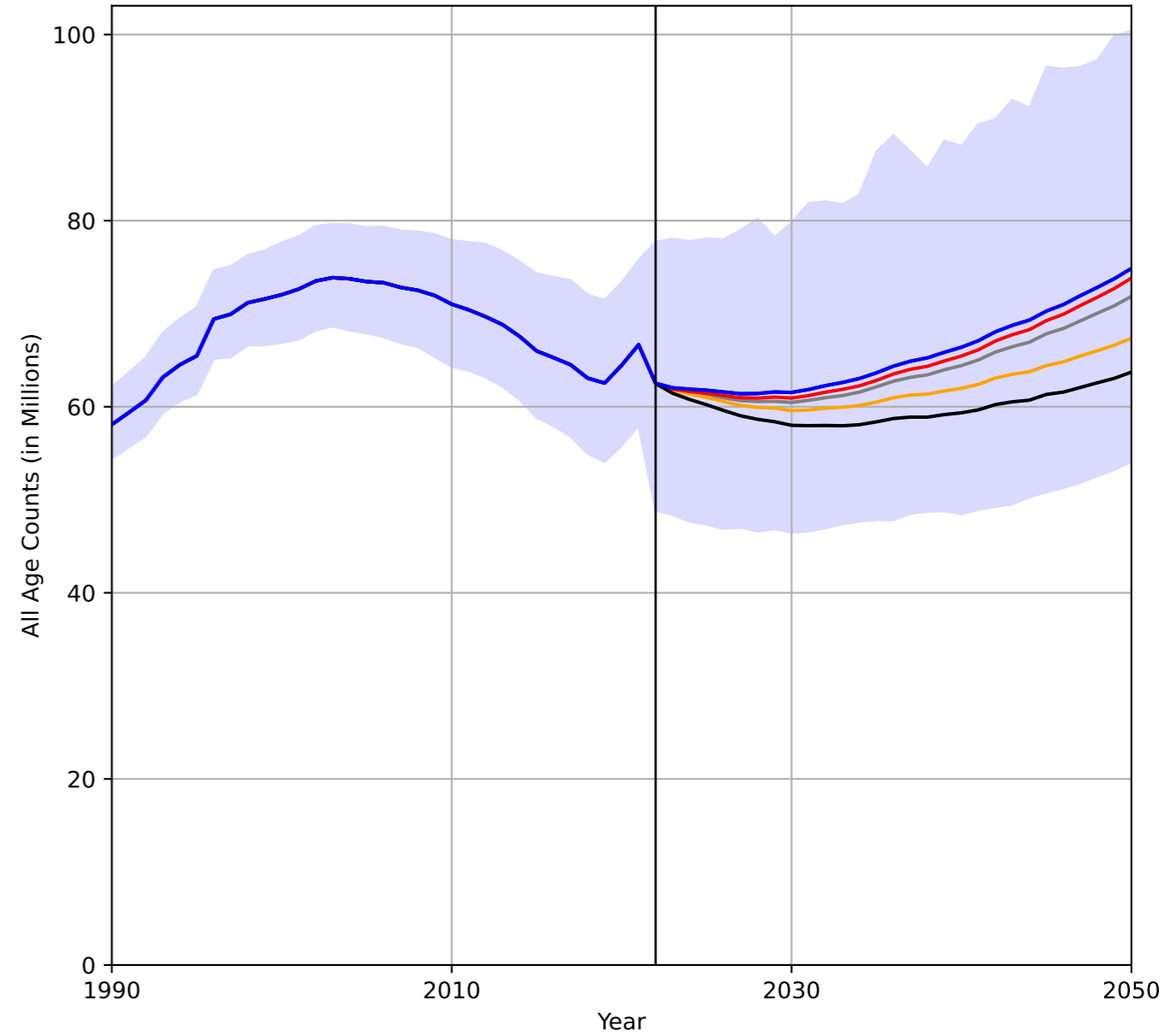
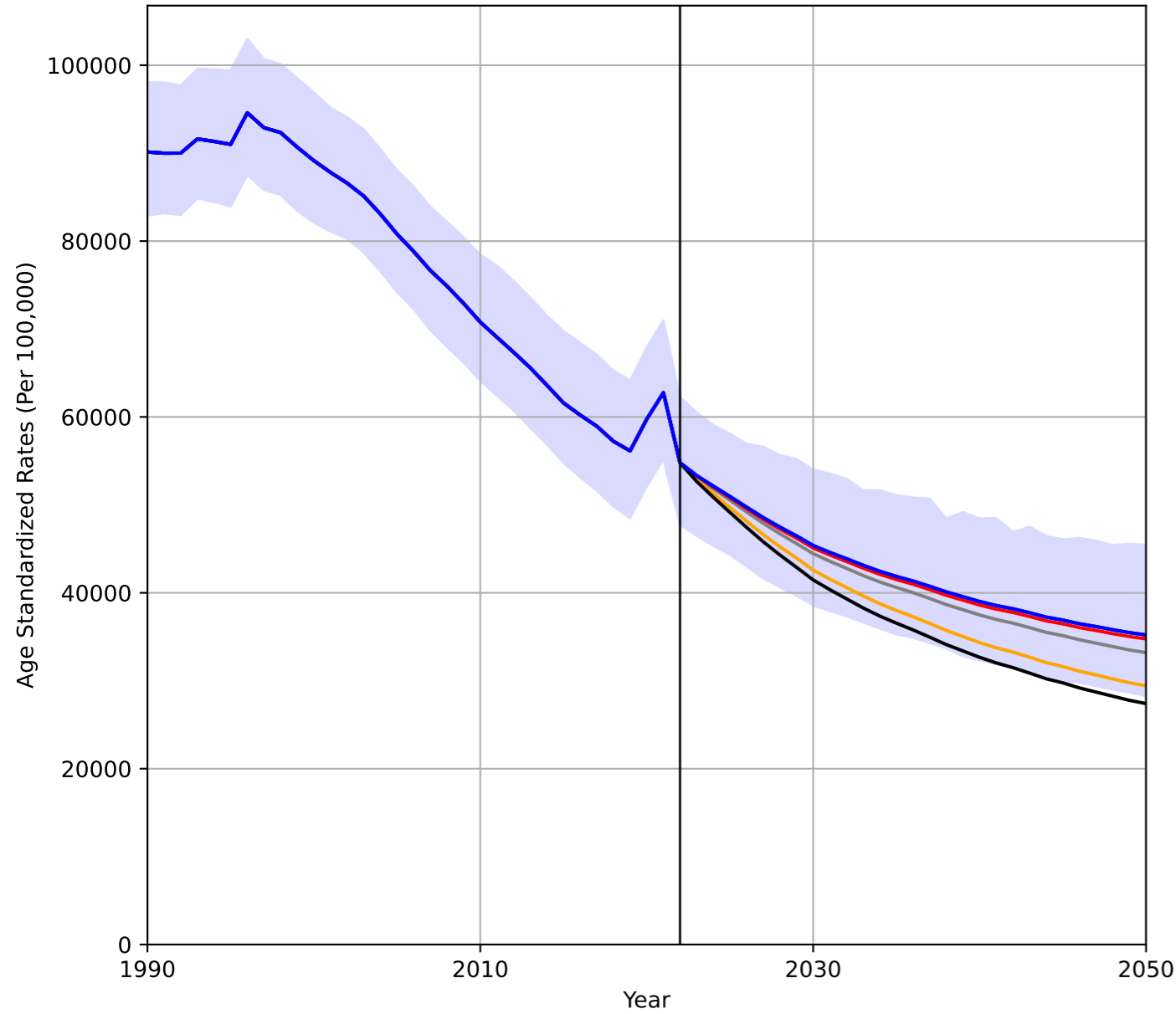




# Central Sub-Saharan Africa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

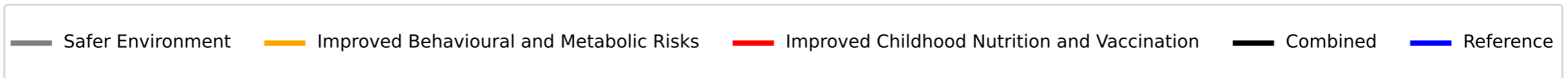
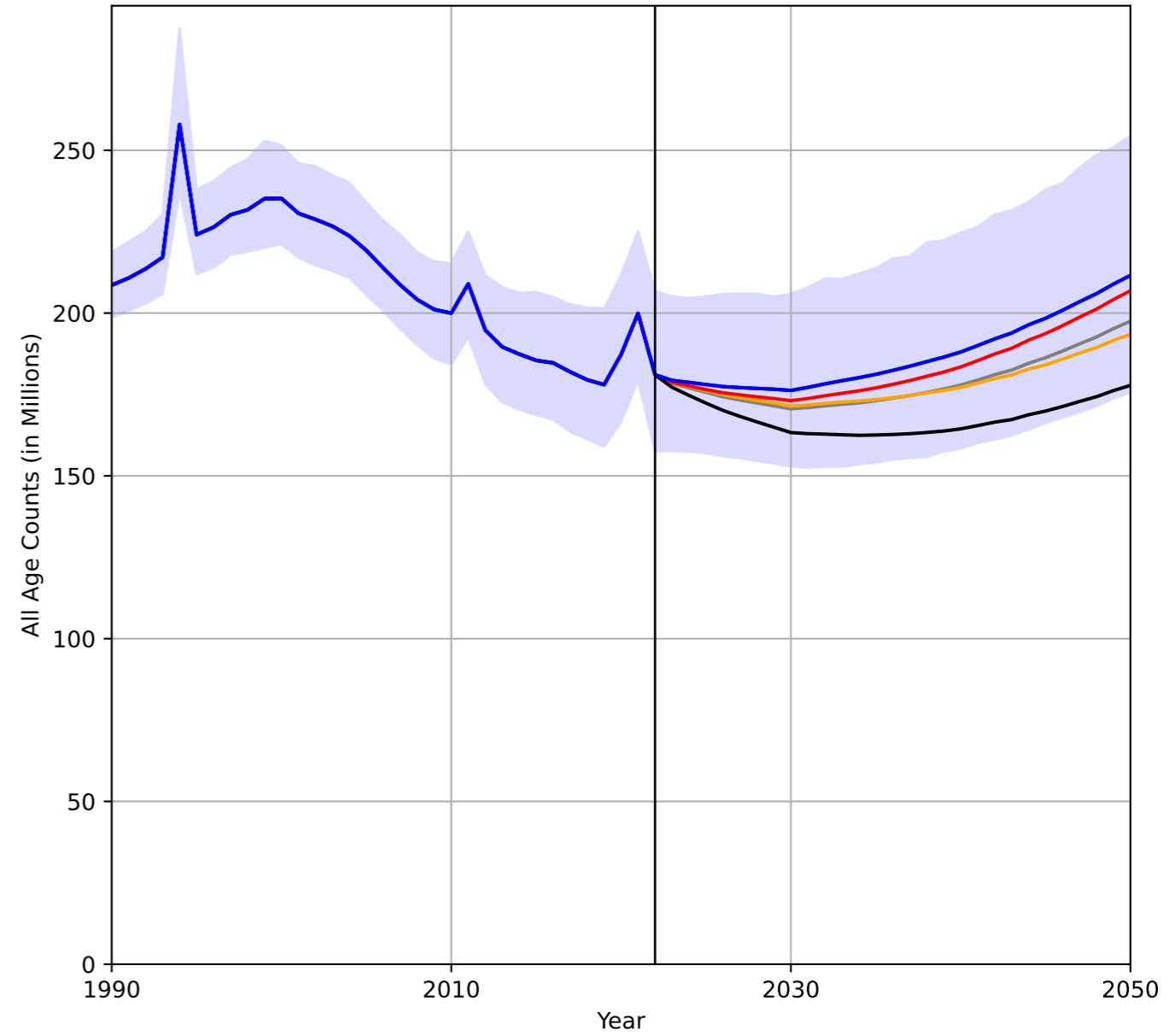
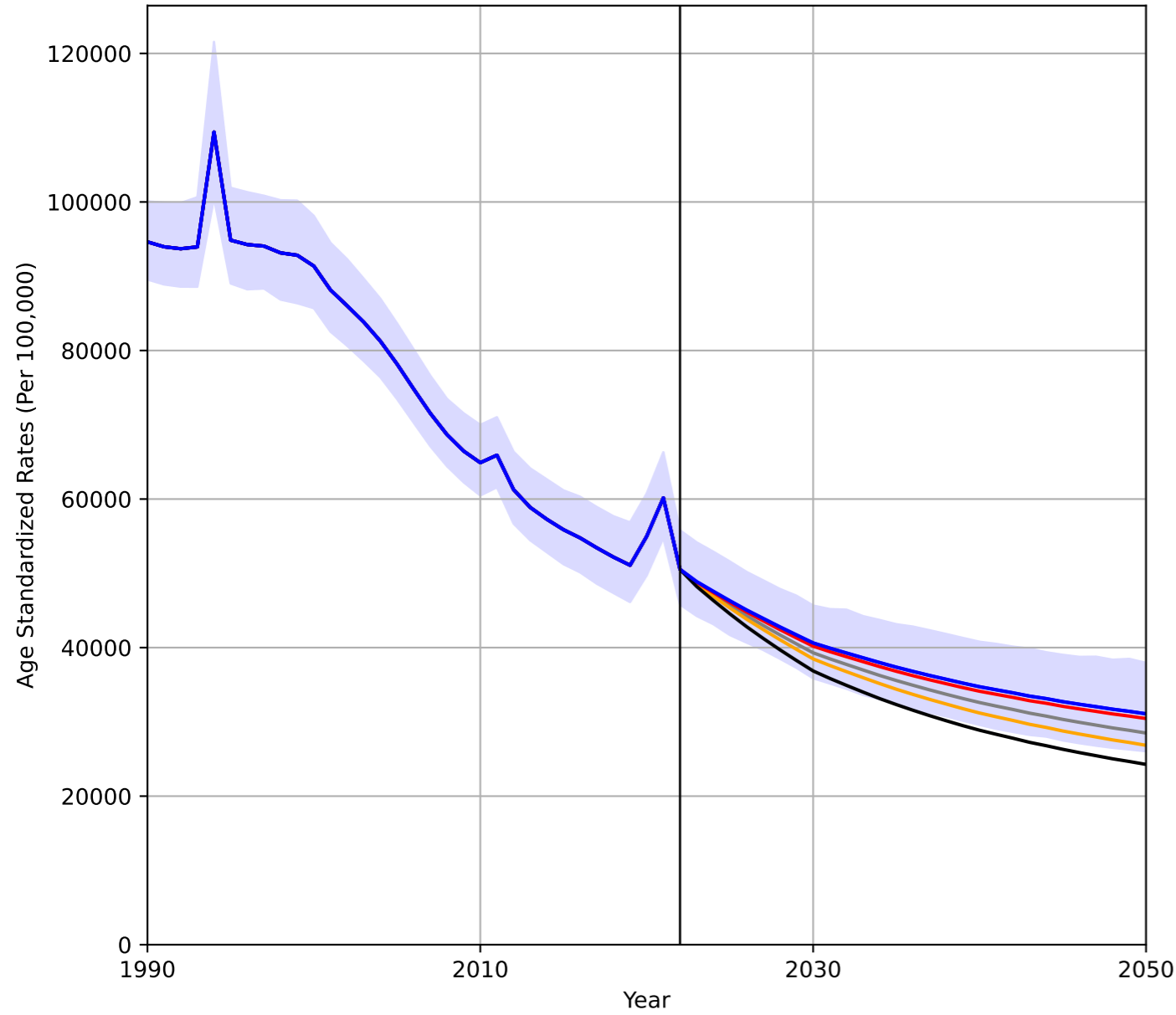
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# Eastern Sub-Saharan Africa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

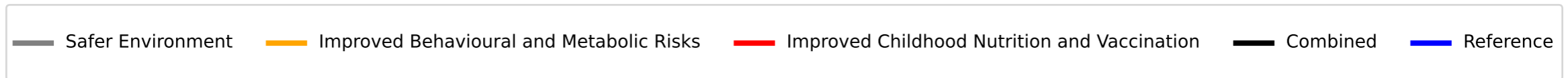
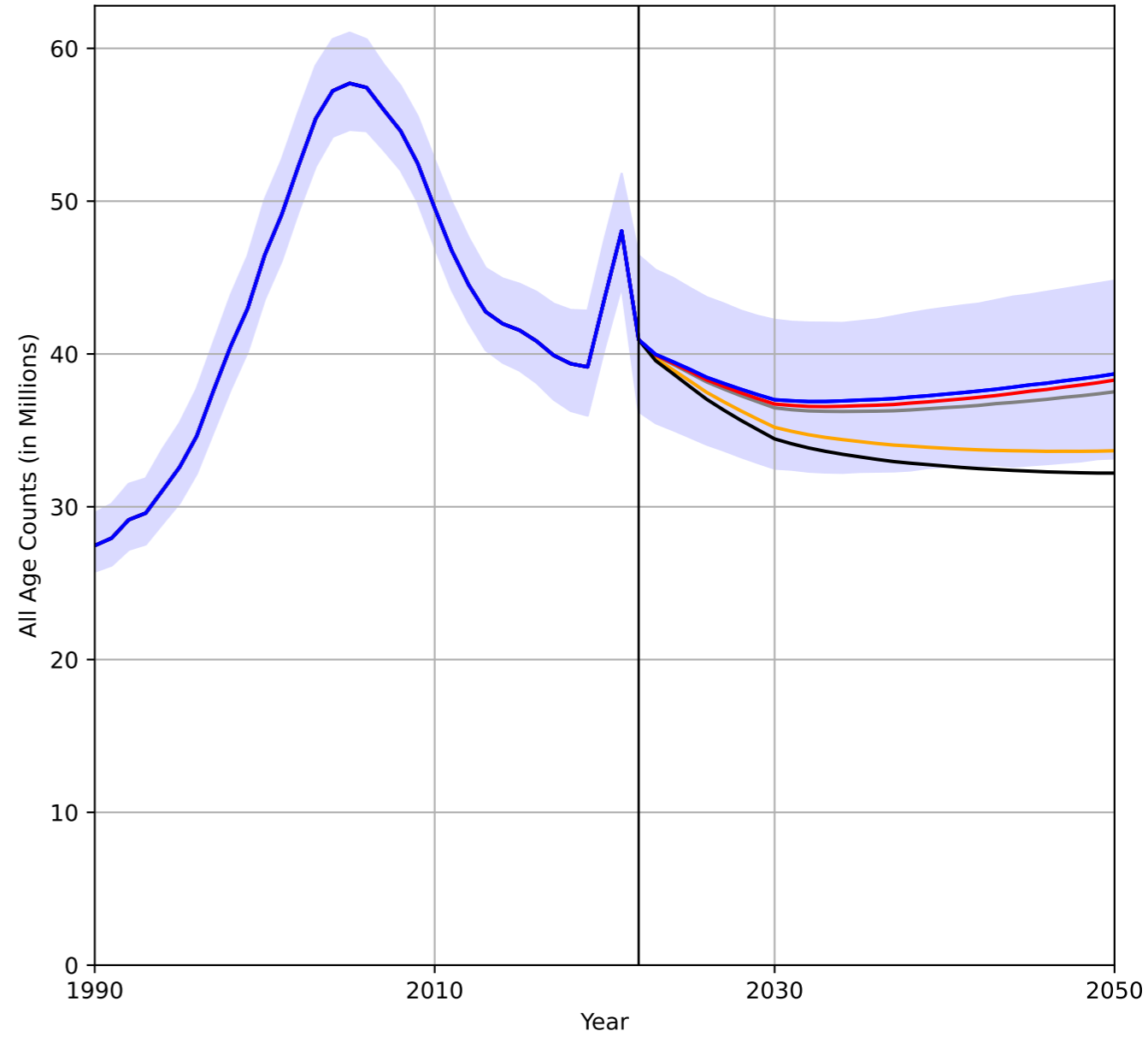
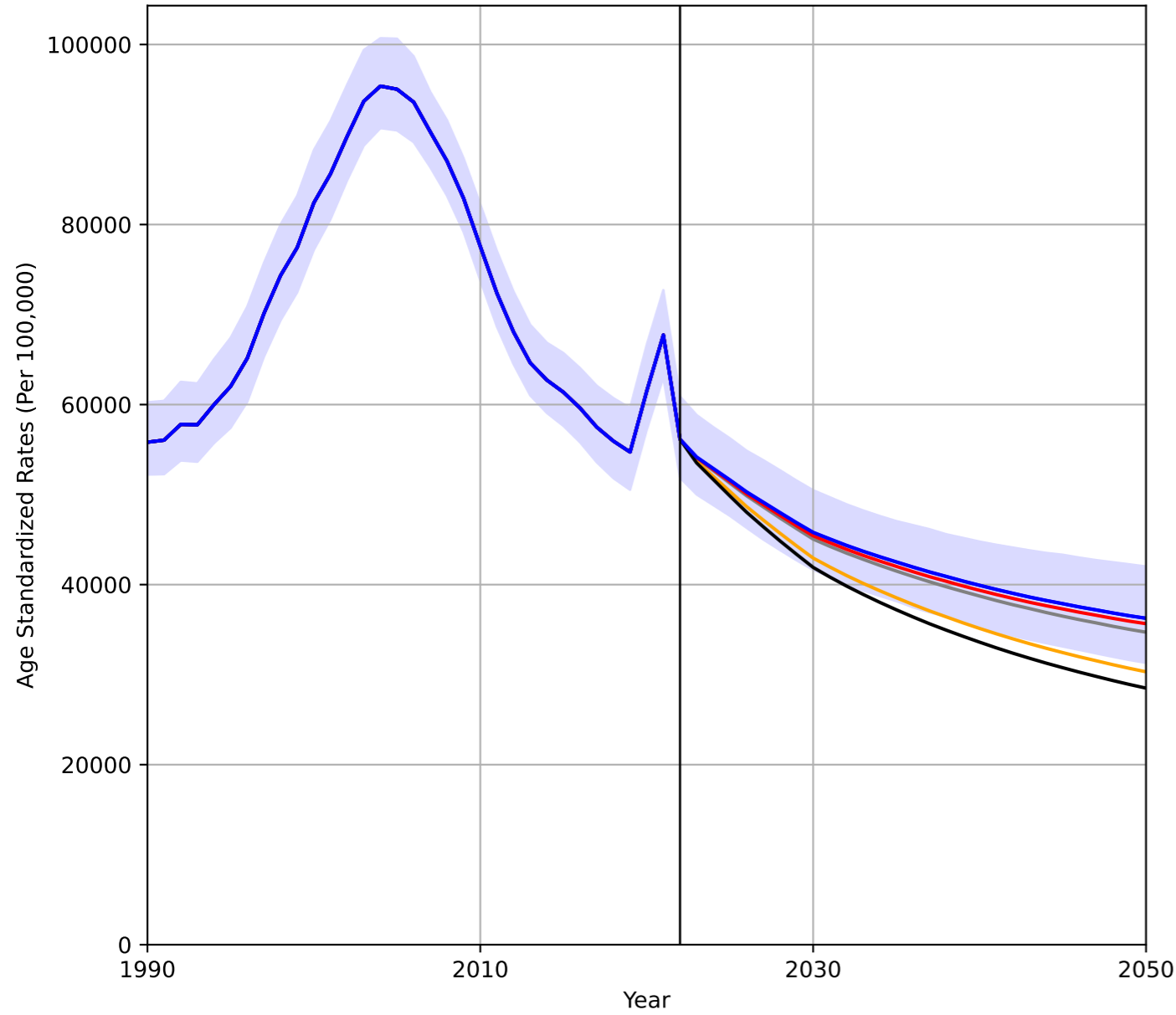
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# Southern Sub-Saharan Africa

1642

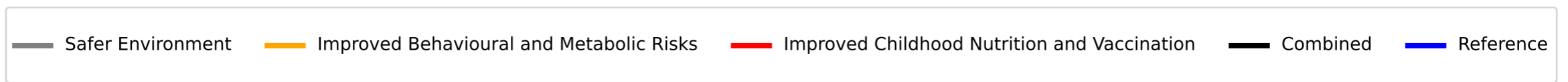
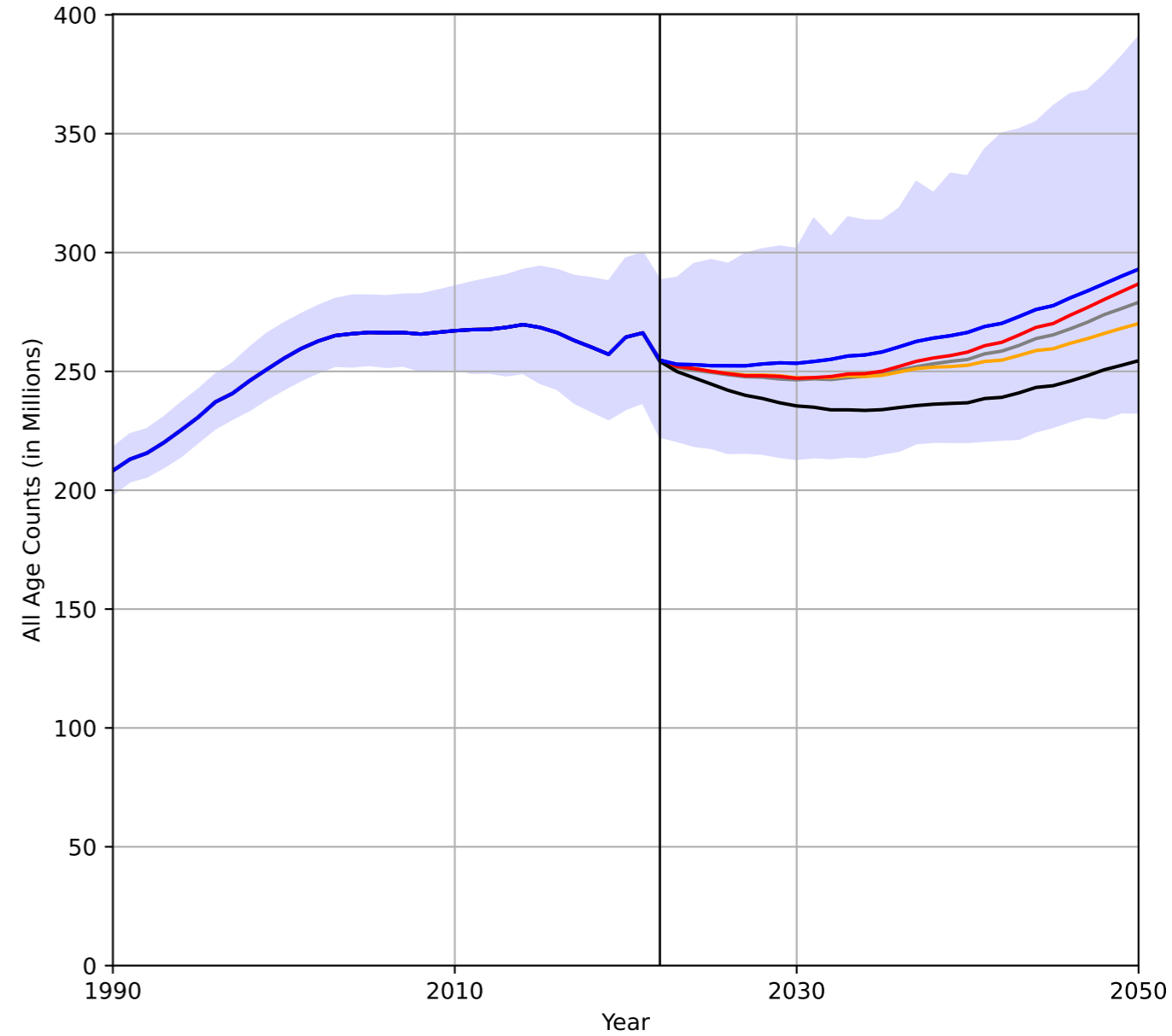
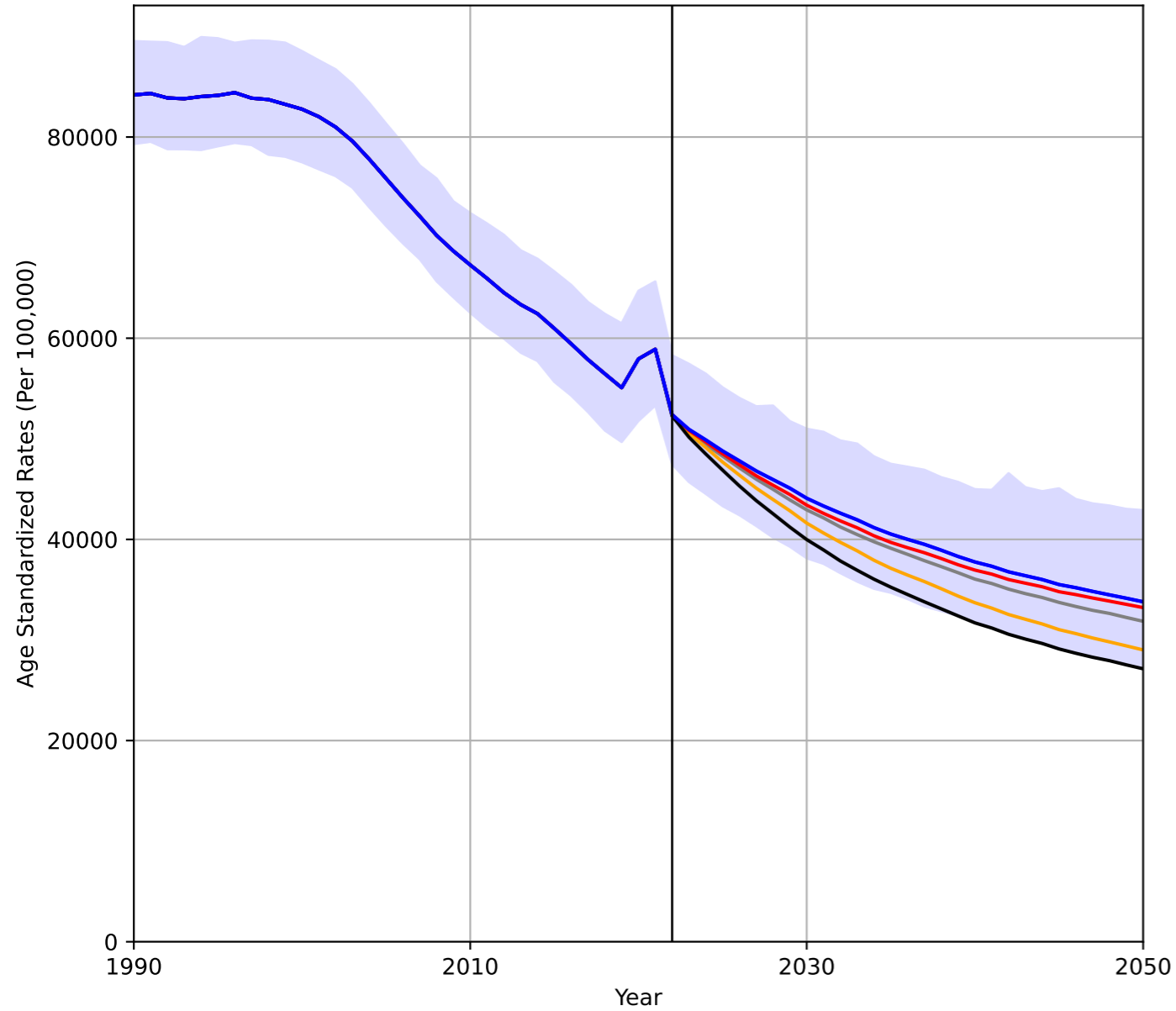
Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050



# Western Sub-Saharan Africa

Supplemental Results Figure S10. All-cause age standardised DALY rates (A) and all age DALY counts (B), for the past and for five future scenarios, 1990–2050

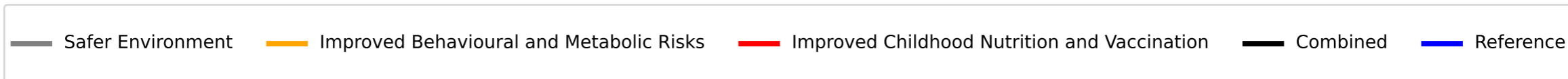
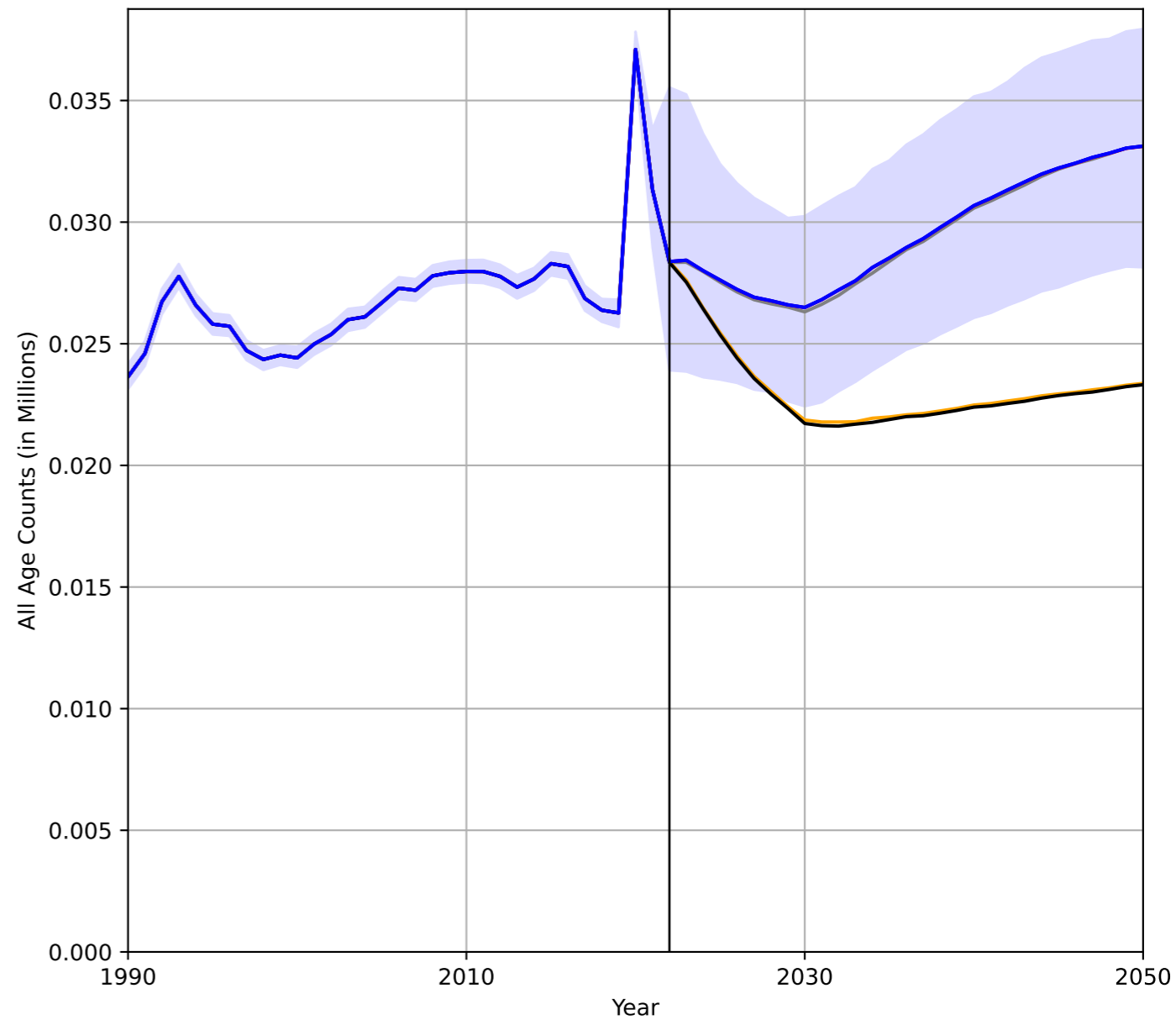
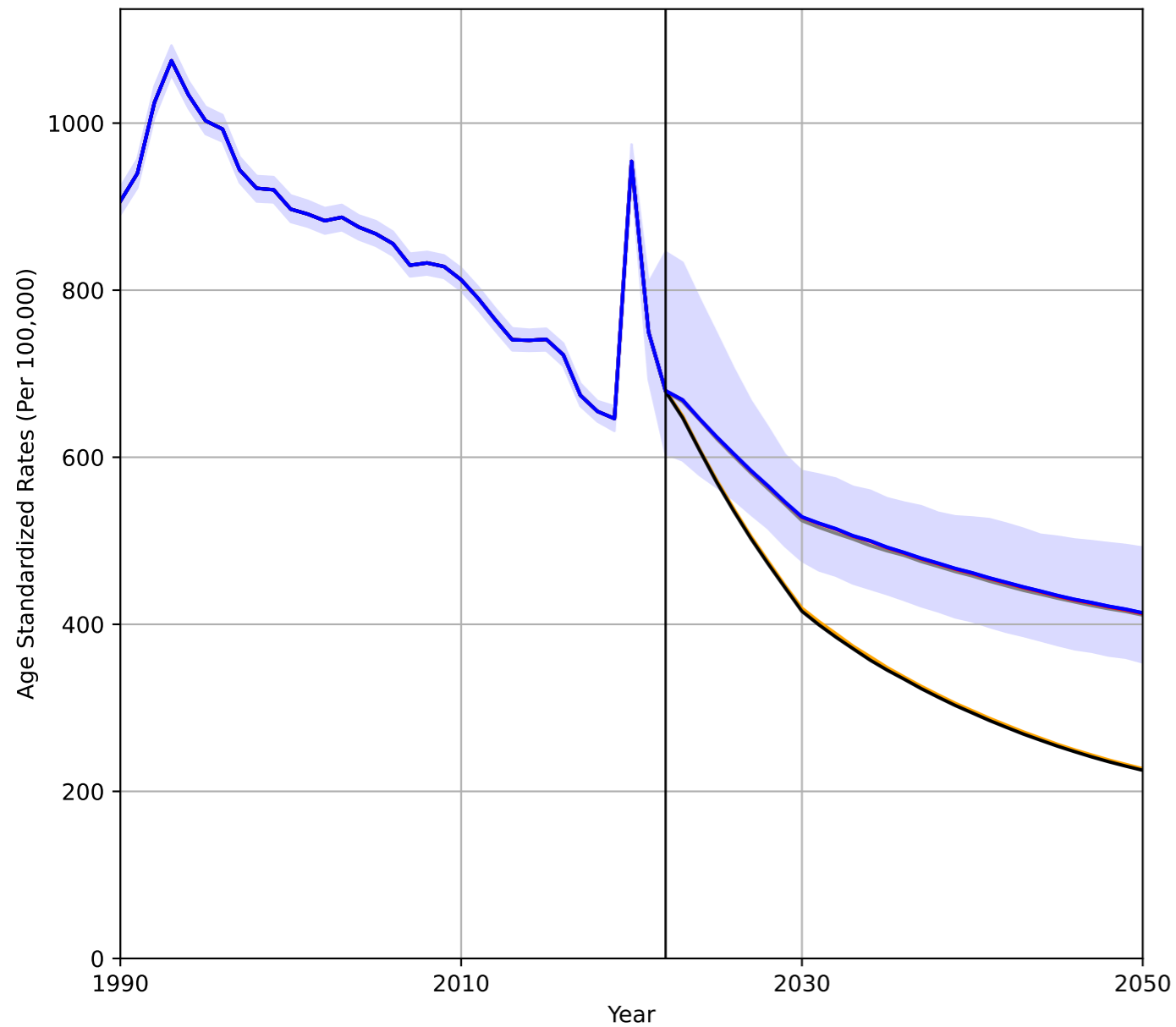
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# Armenia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

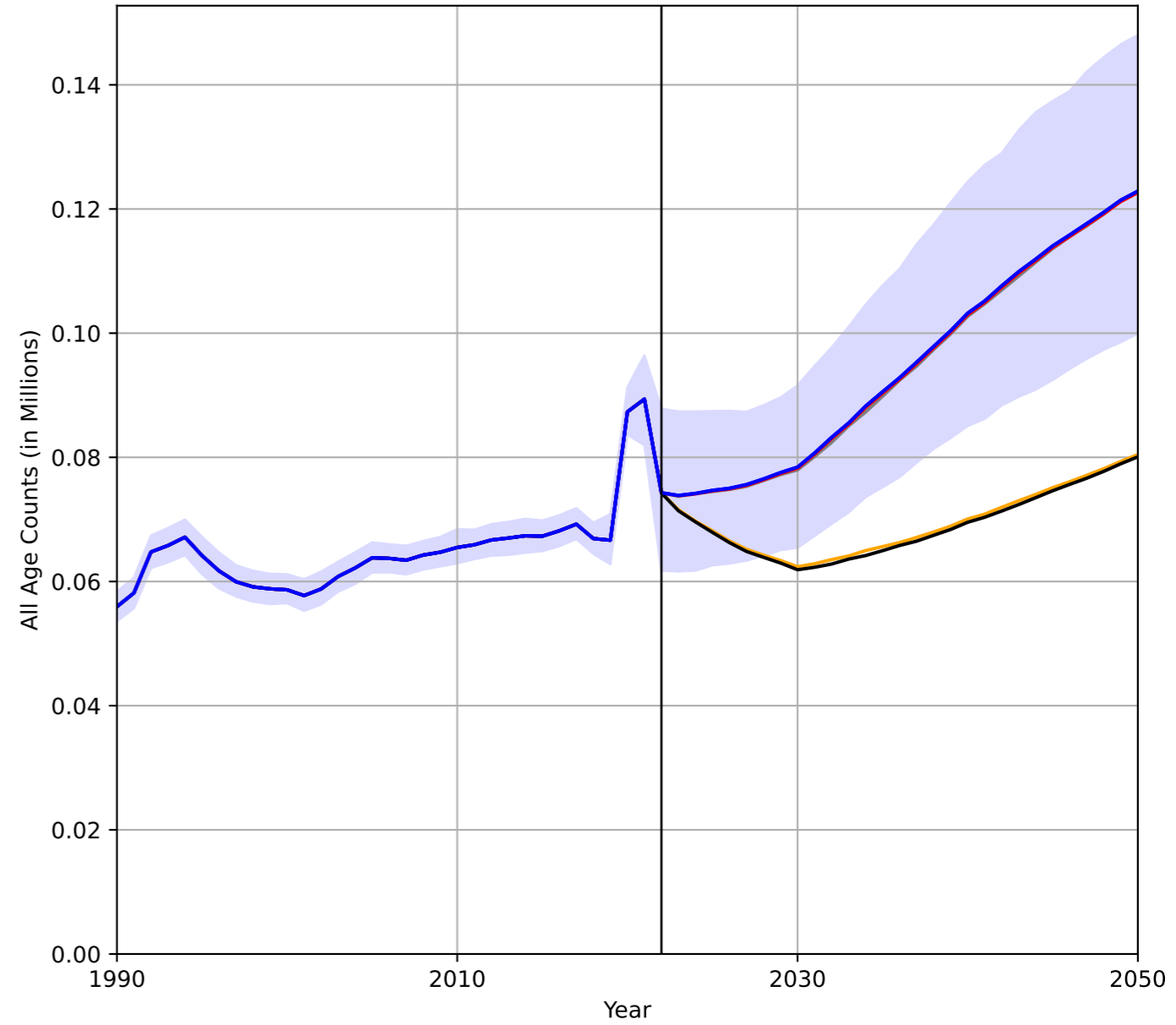
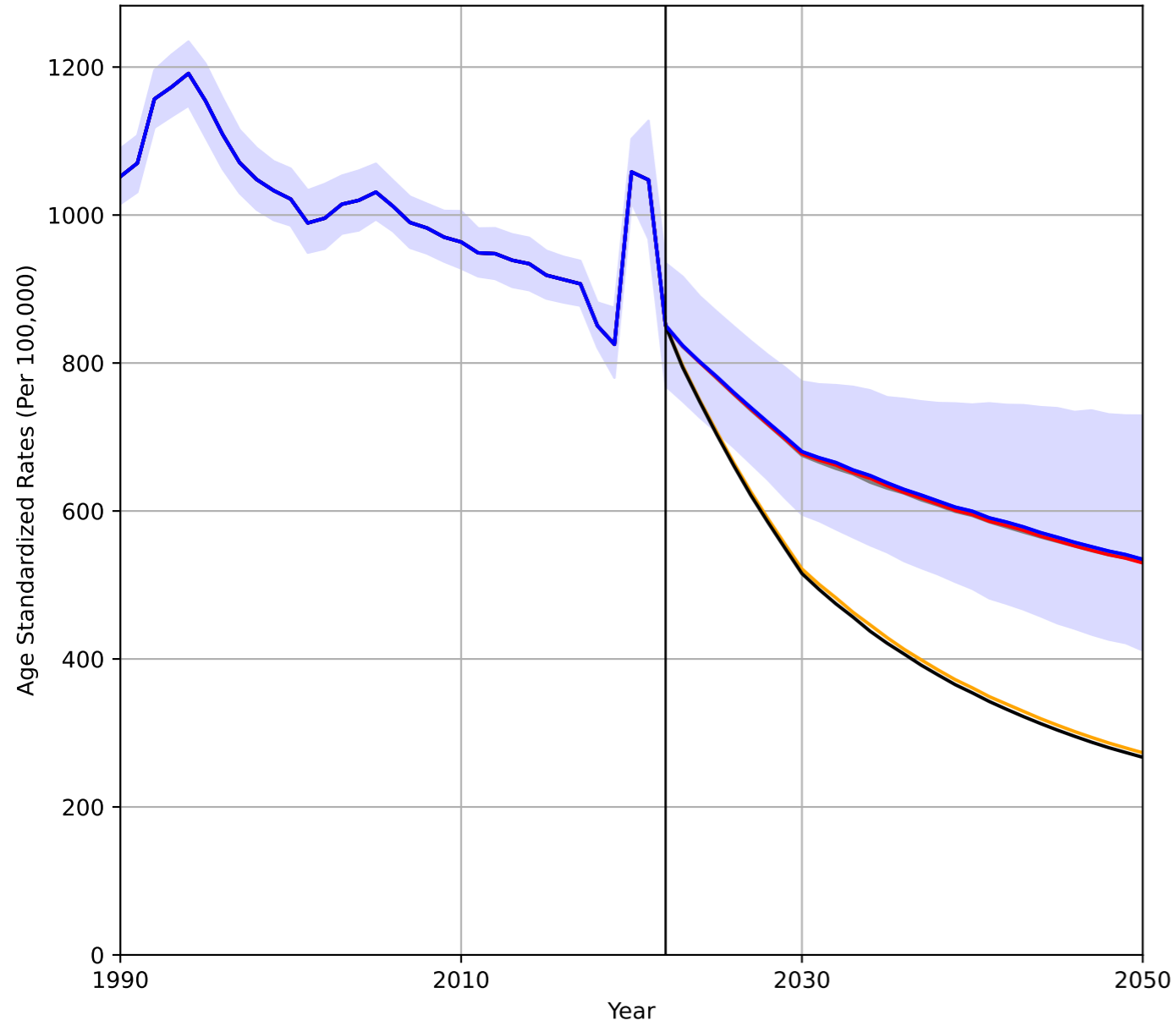
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# Azerbaijan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

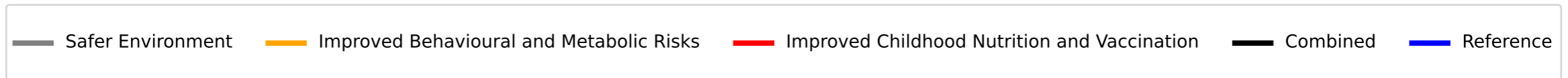
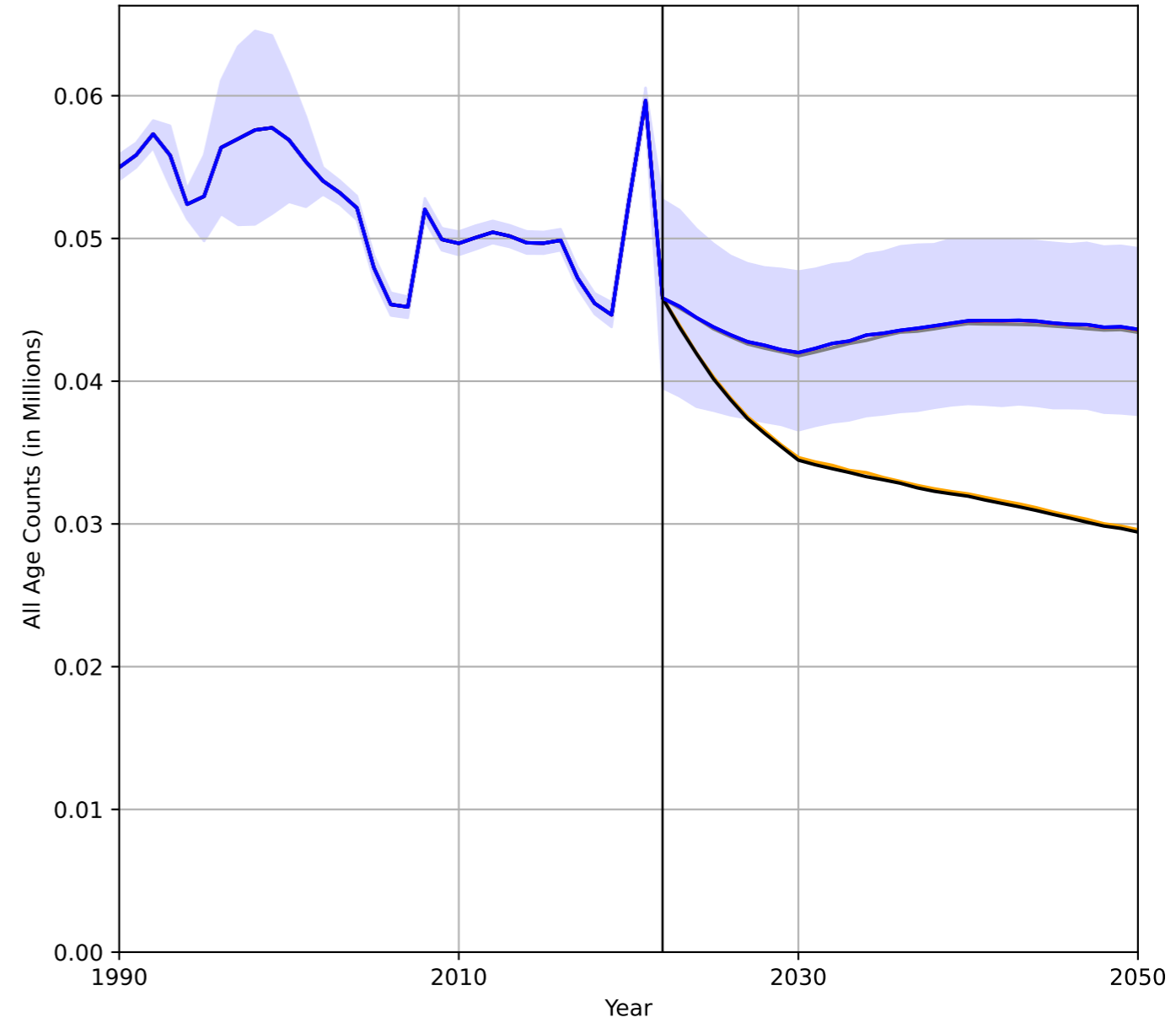
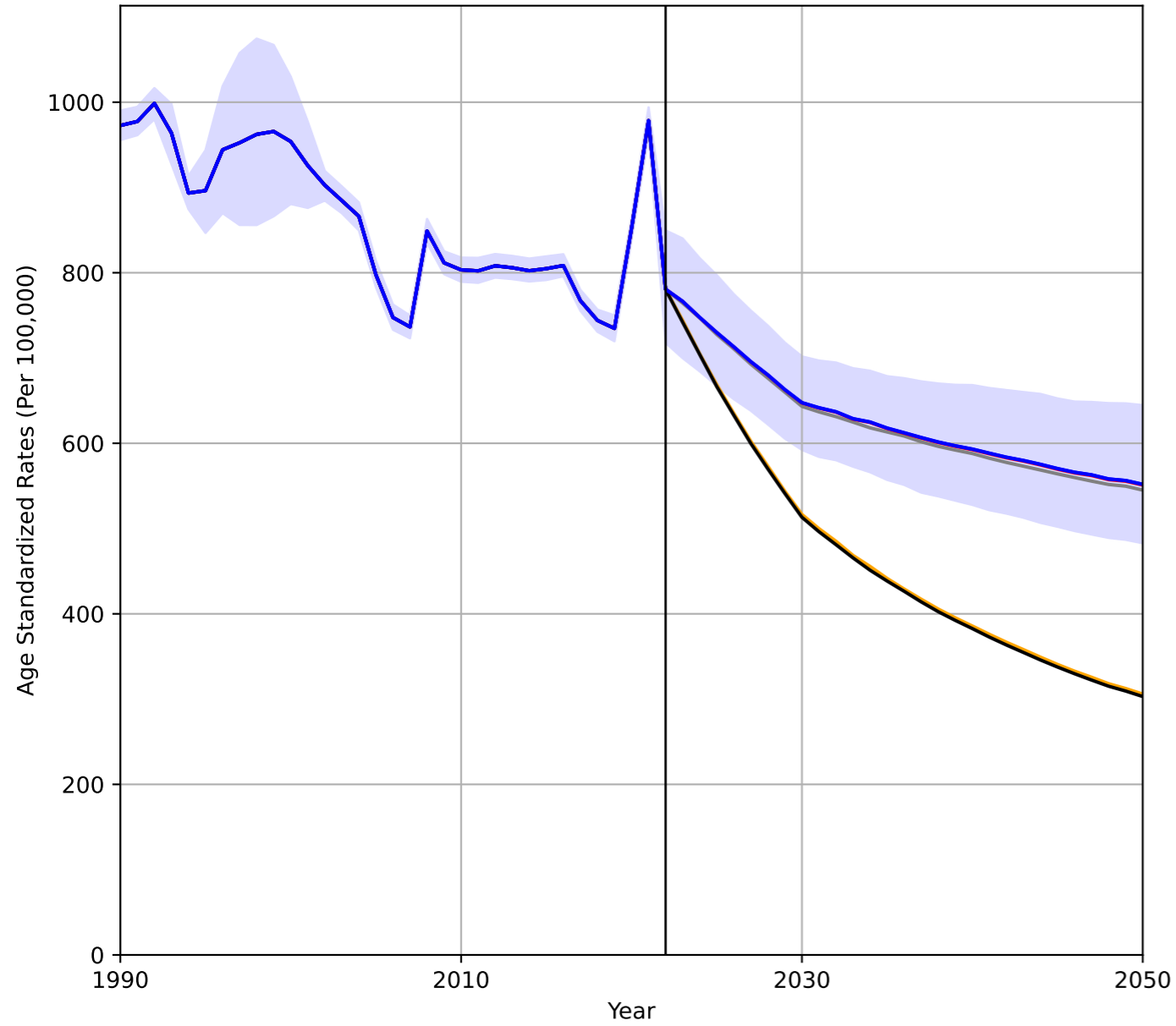
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# Georgia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

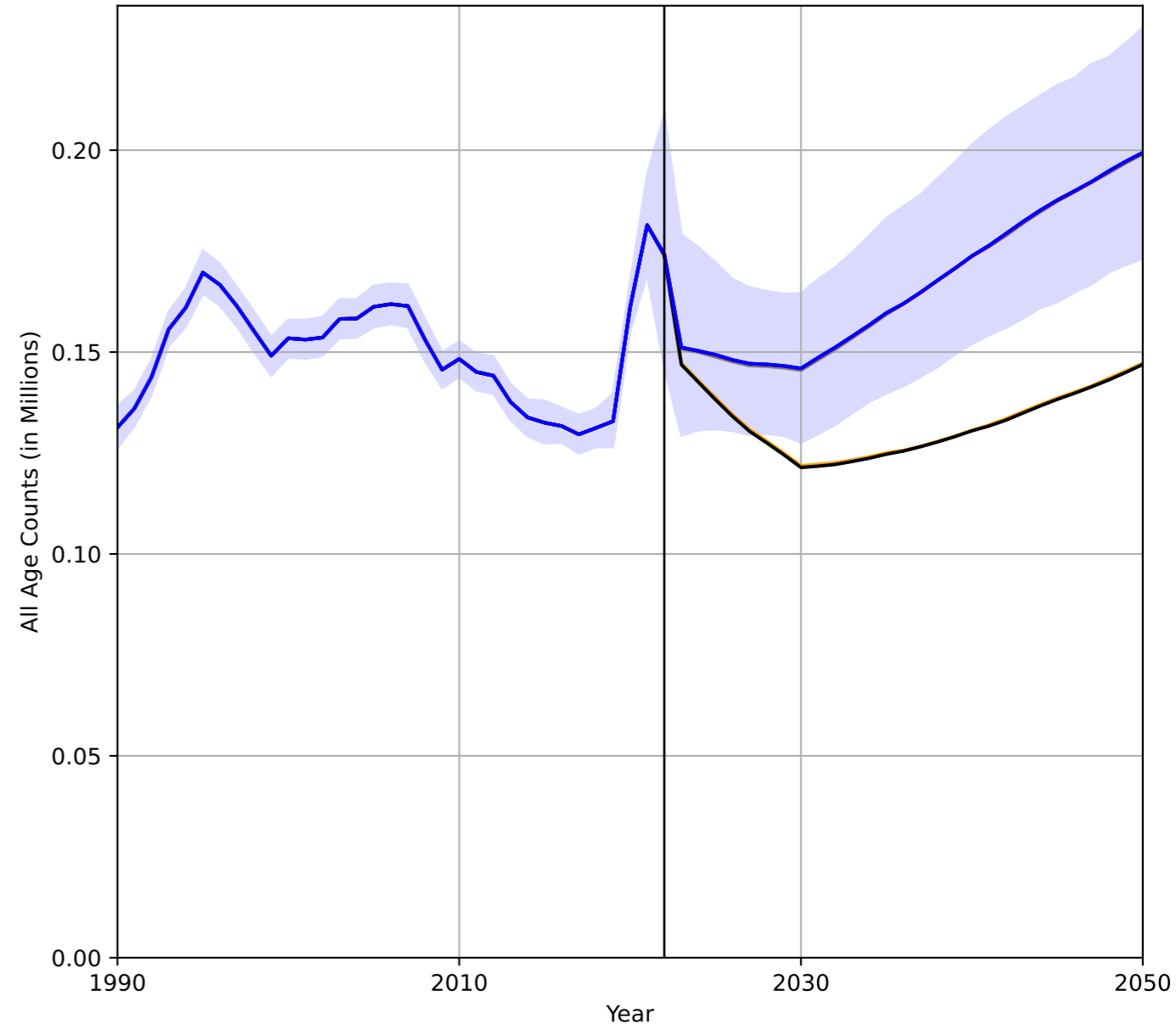
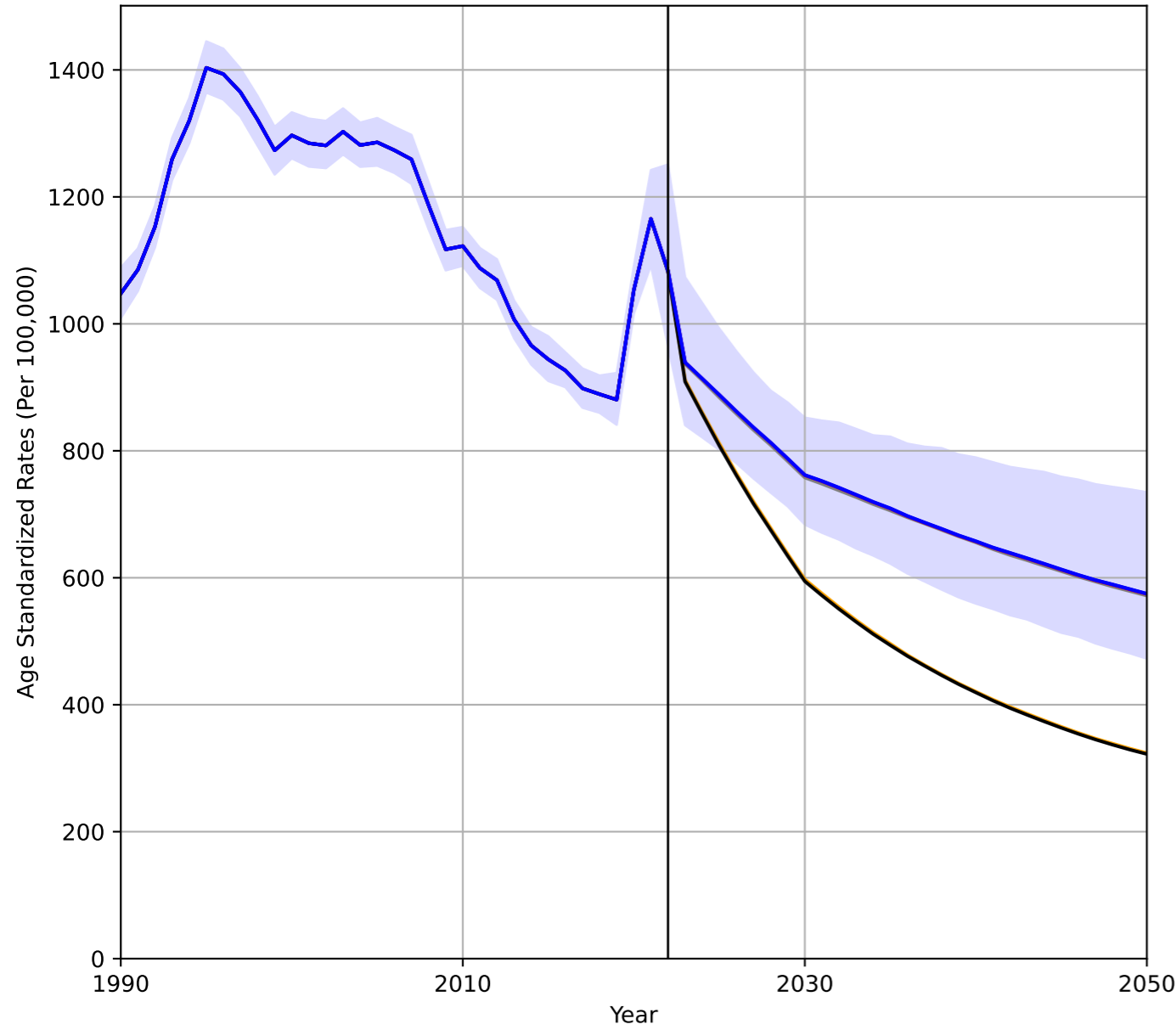
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# Kazakhstan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1647

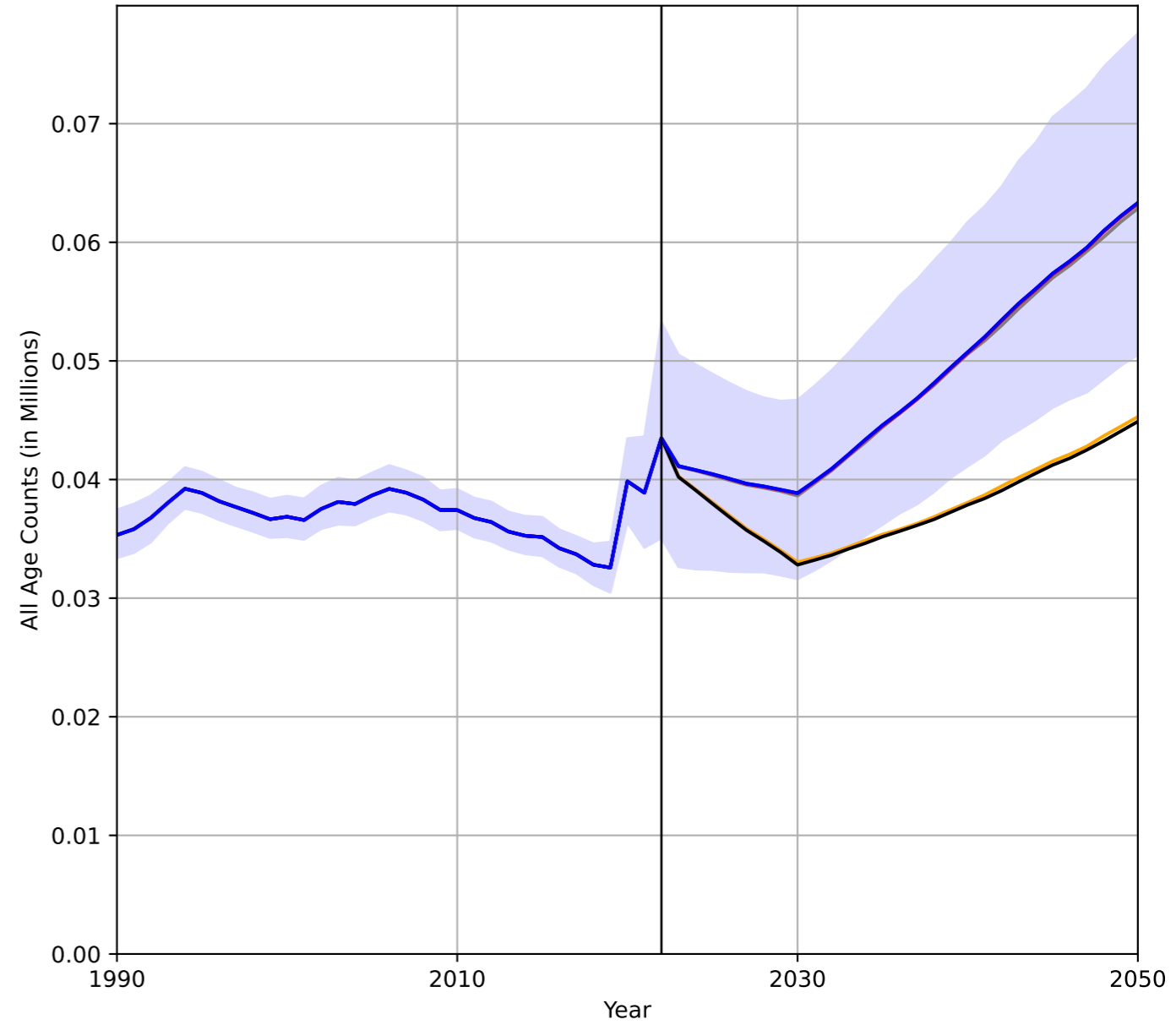
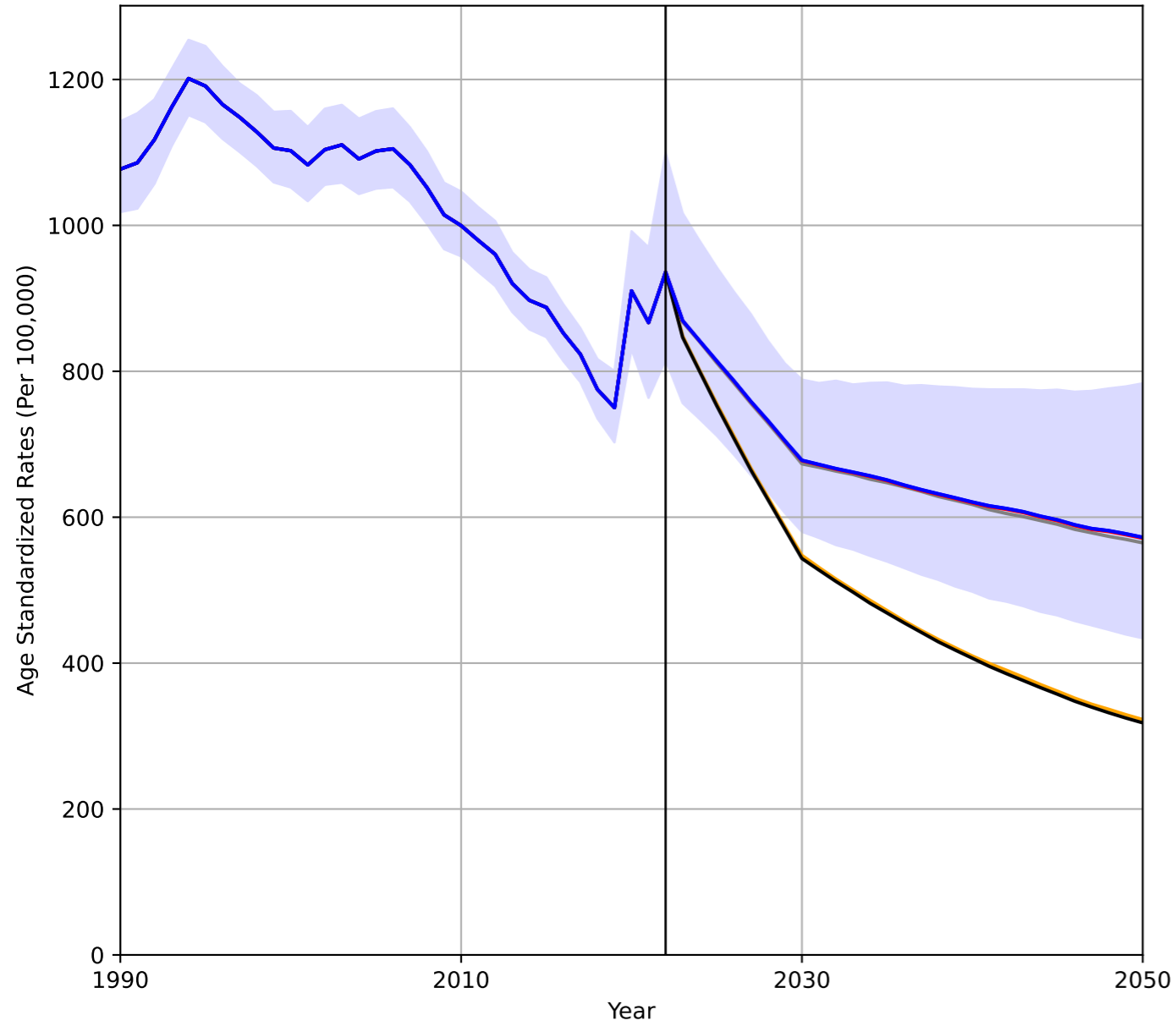




# Kyrgyzstan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

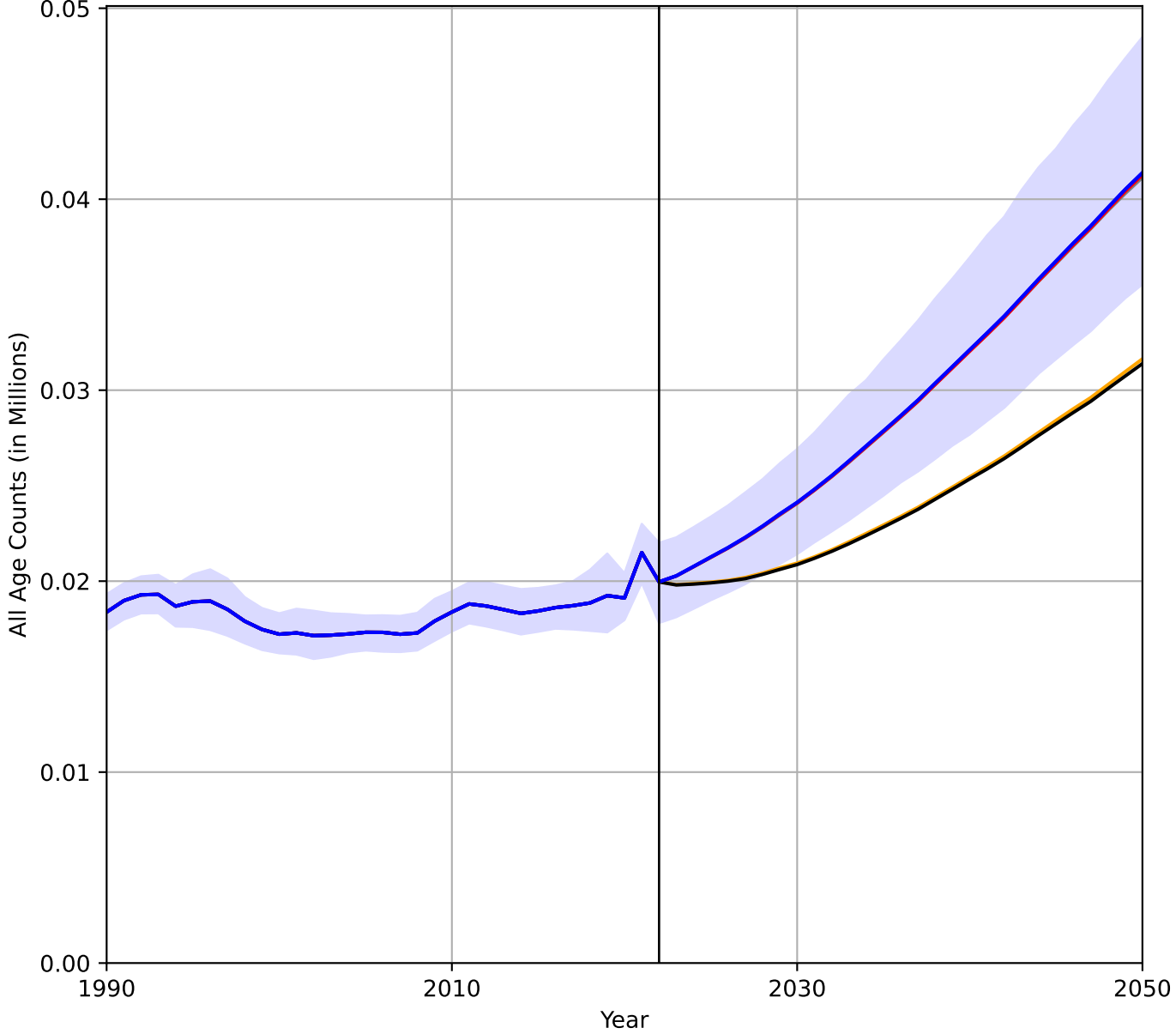
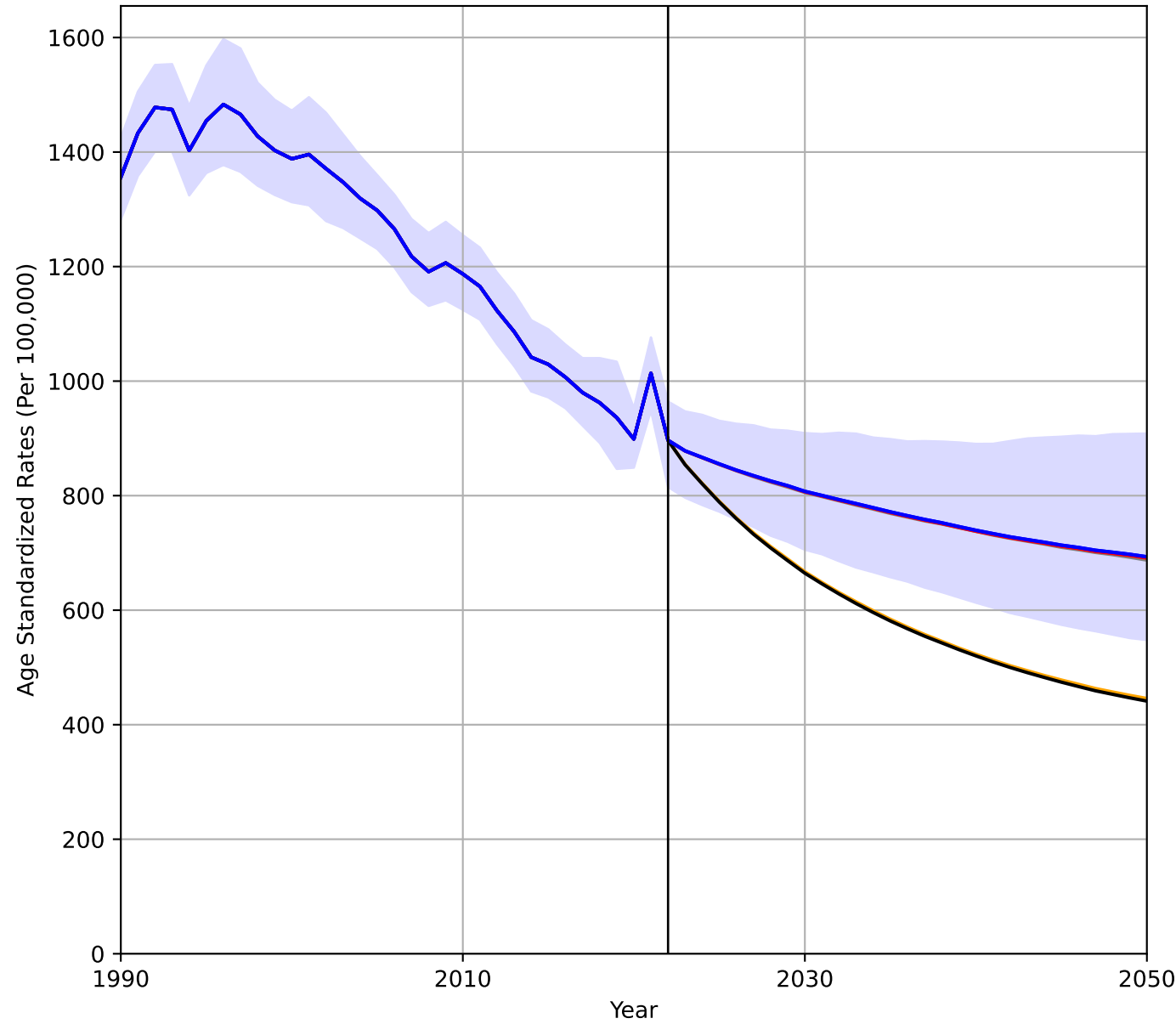
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# Mongolia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

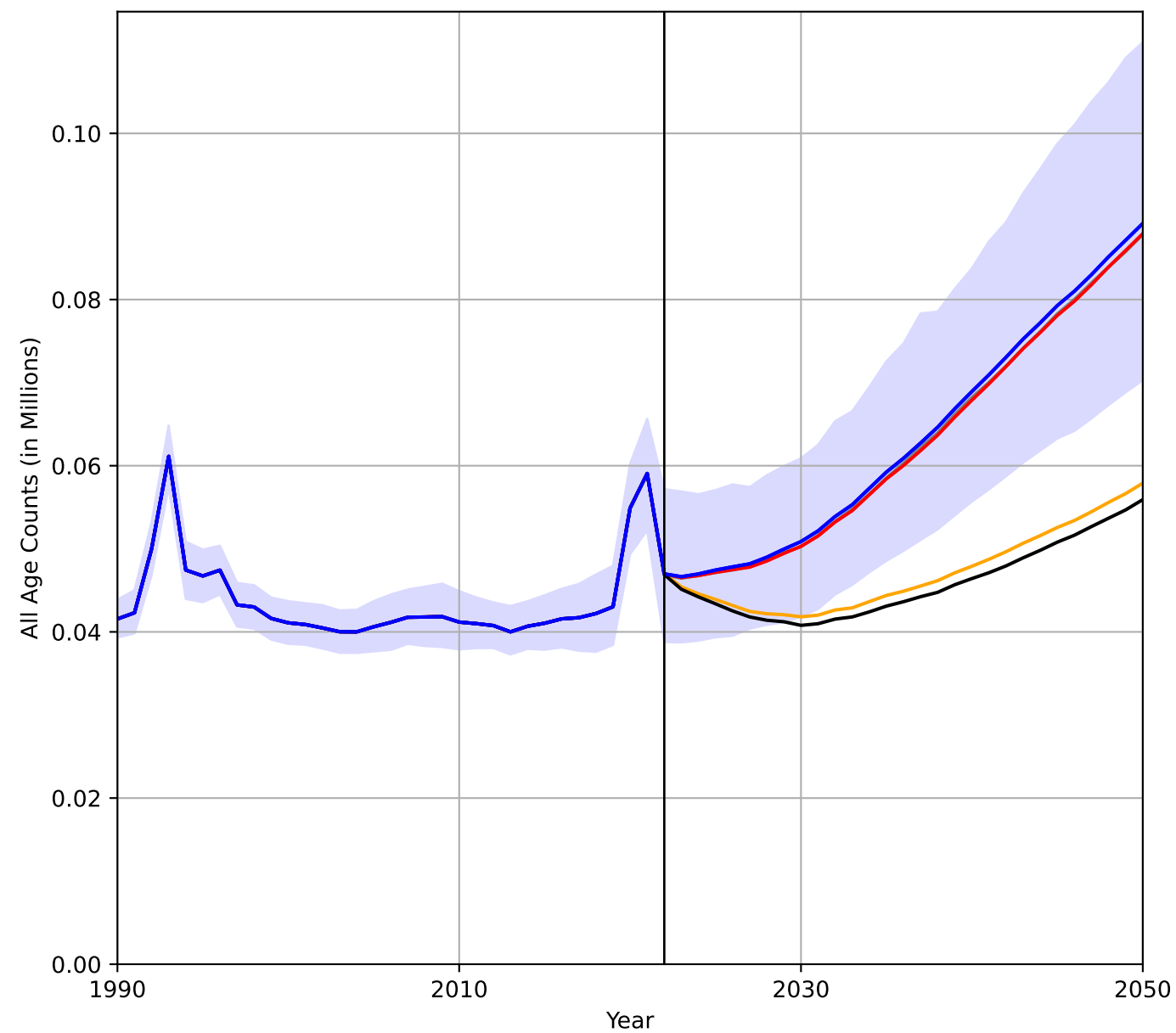
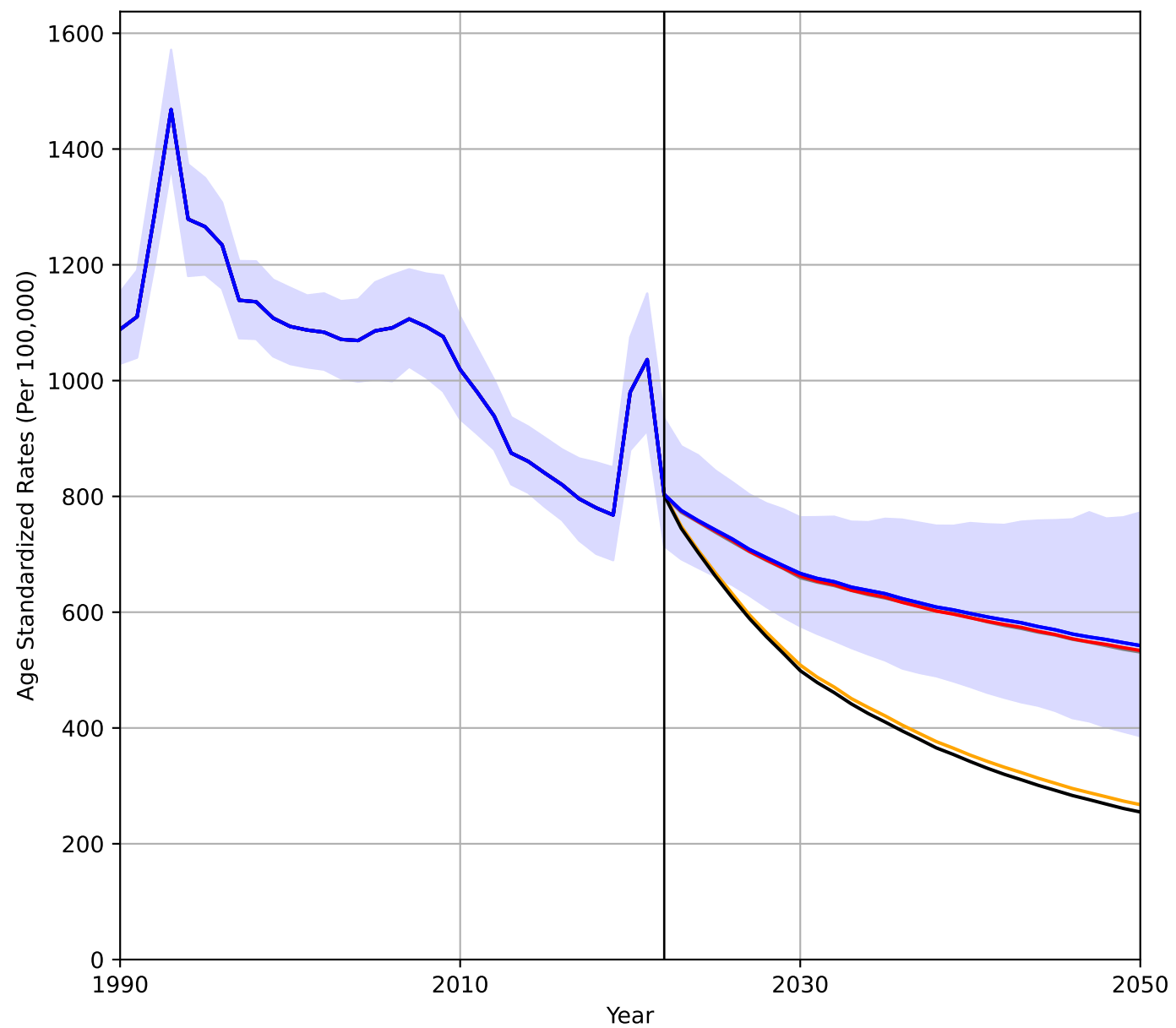
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# Tajikistan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

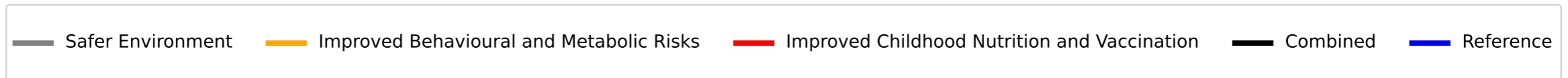
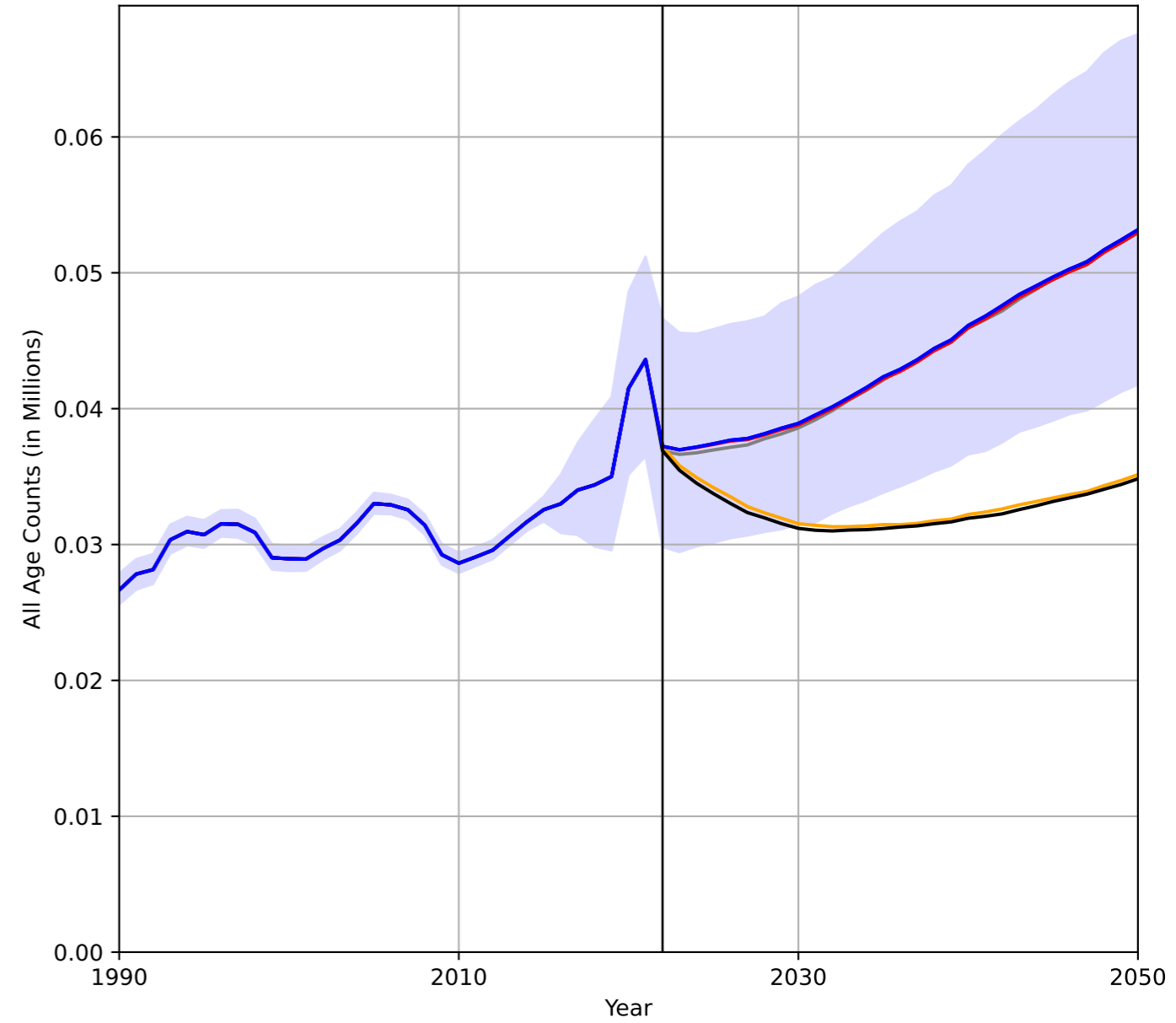
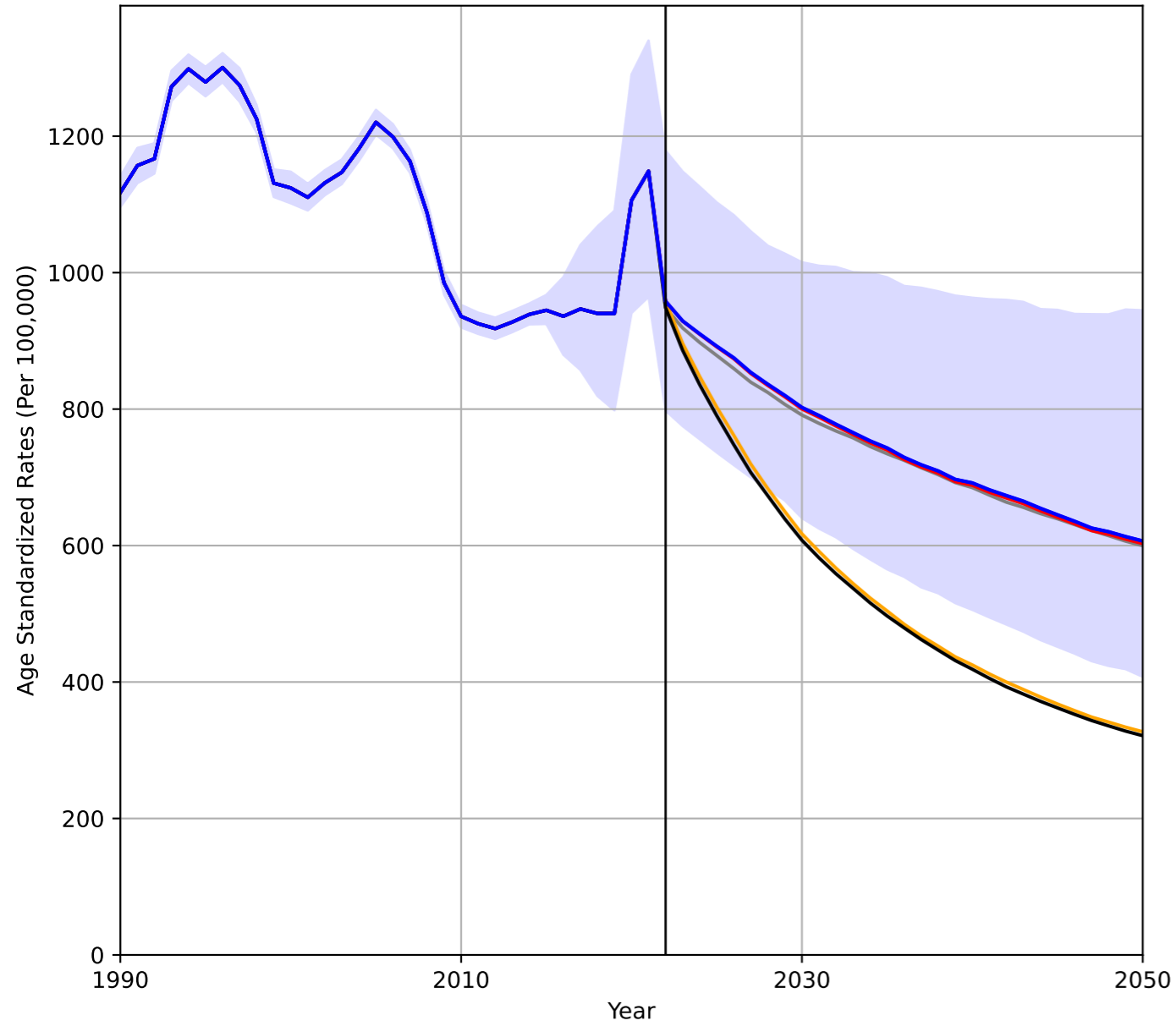
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# Turkmenistan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

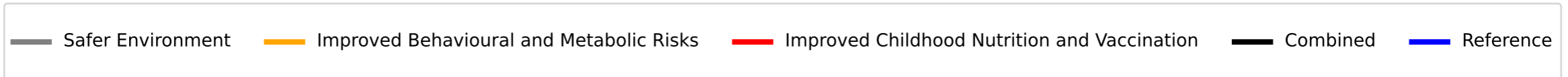
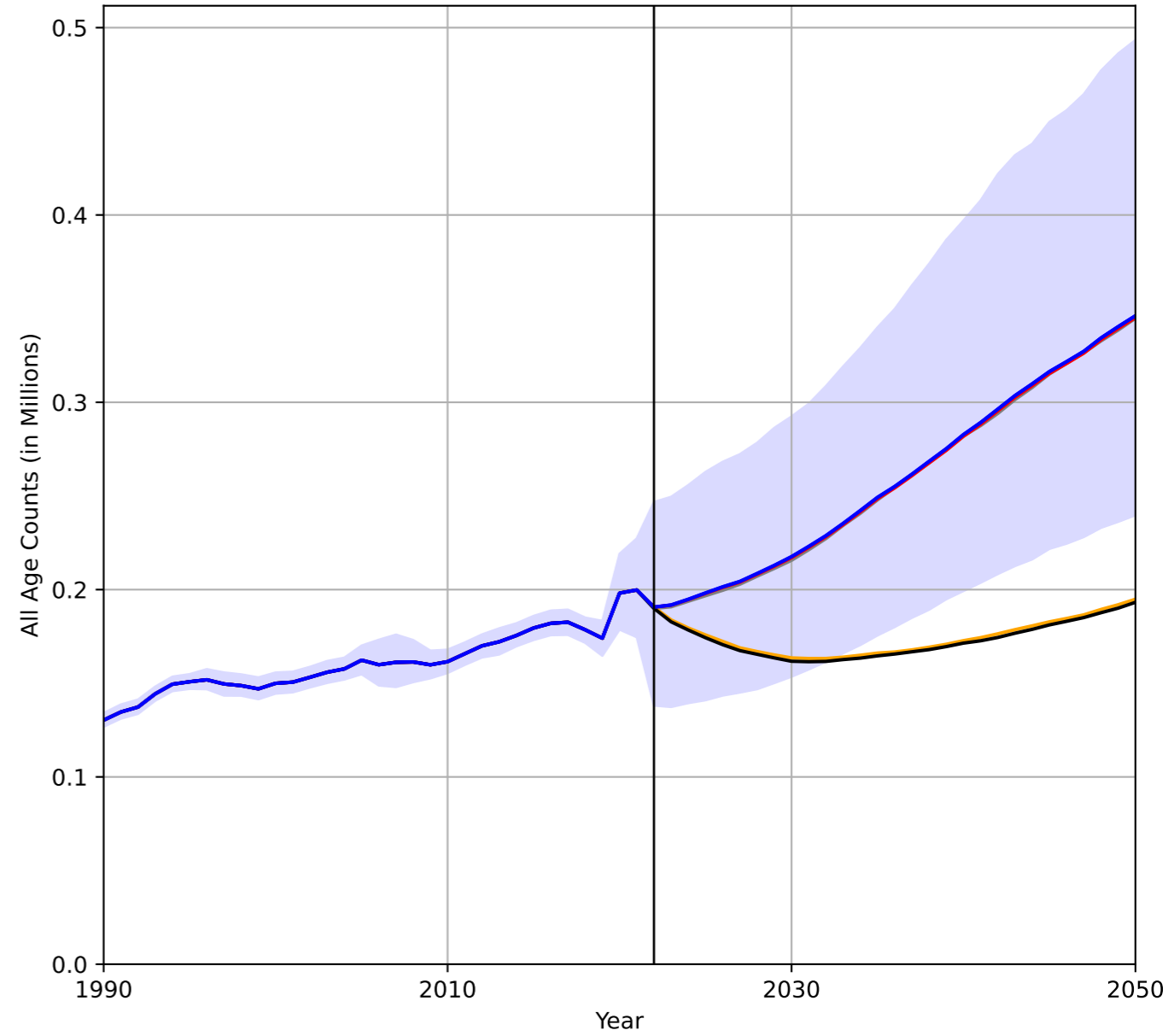
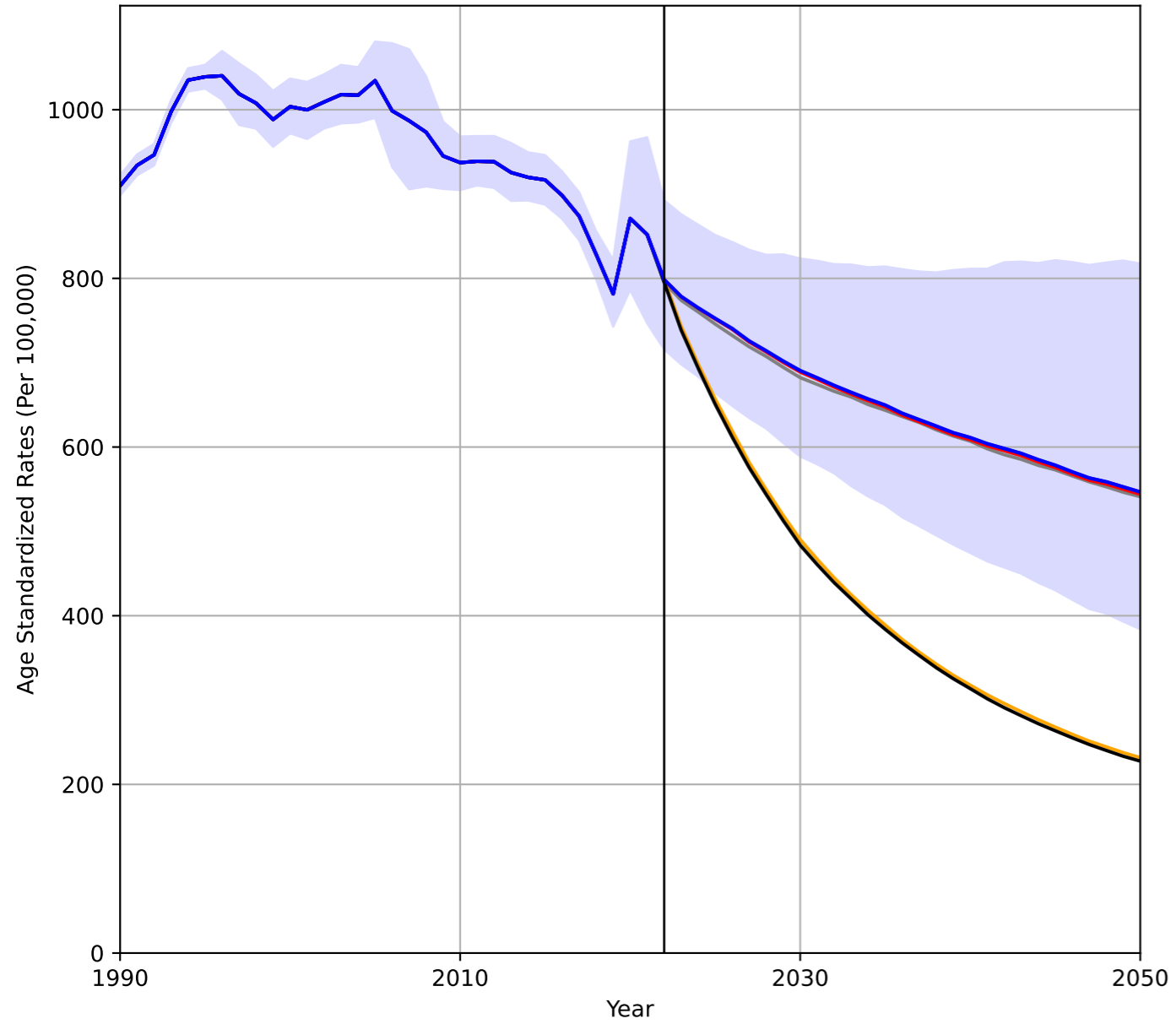
1651



# Uzbekistan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

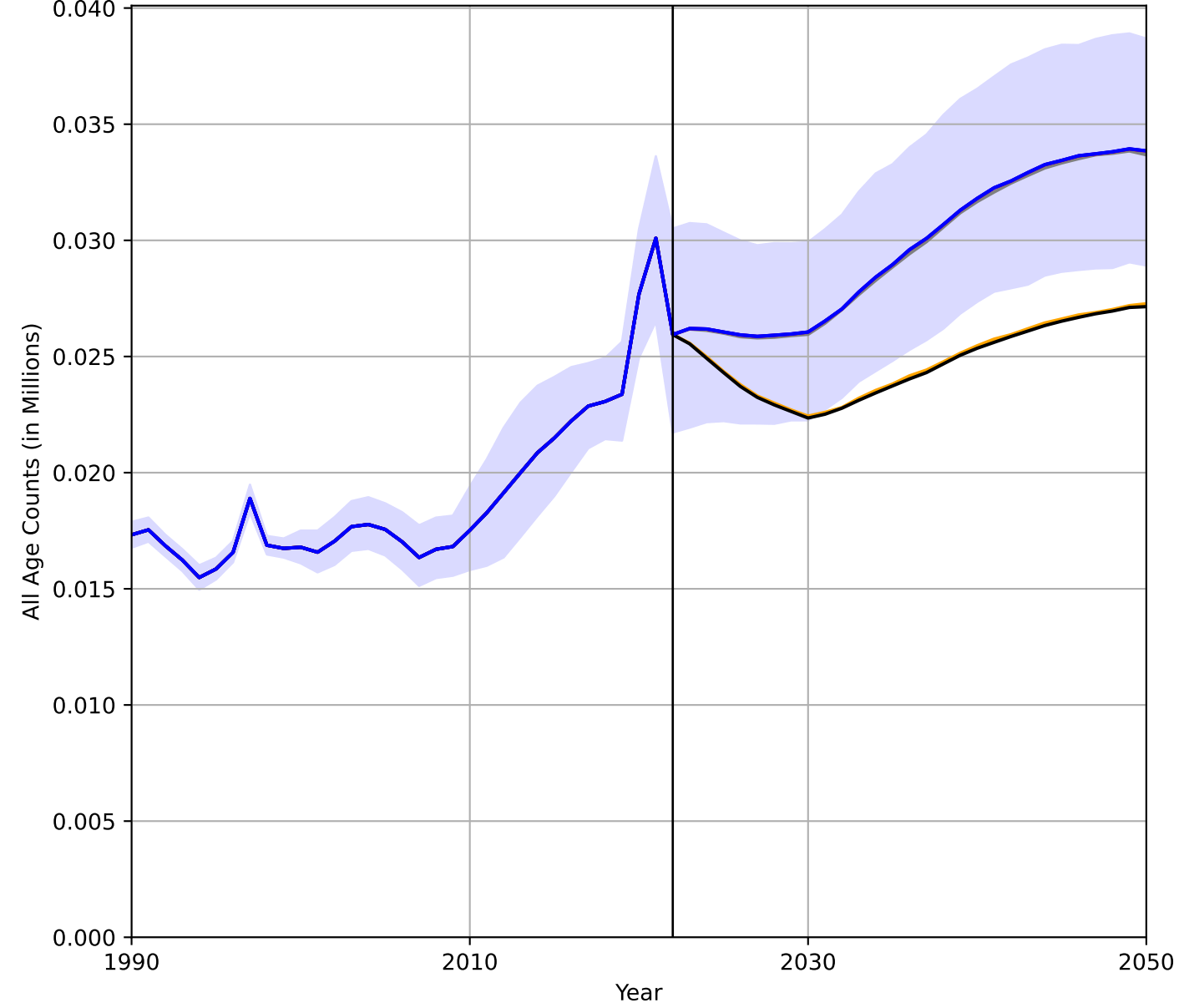
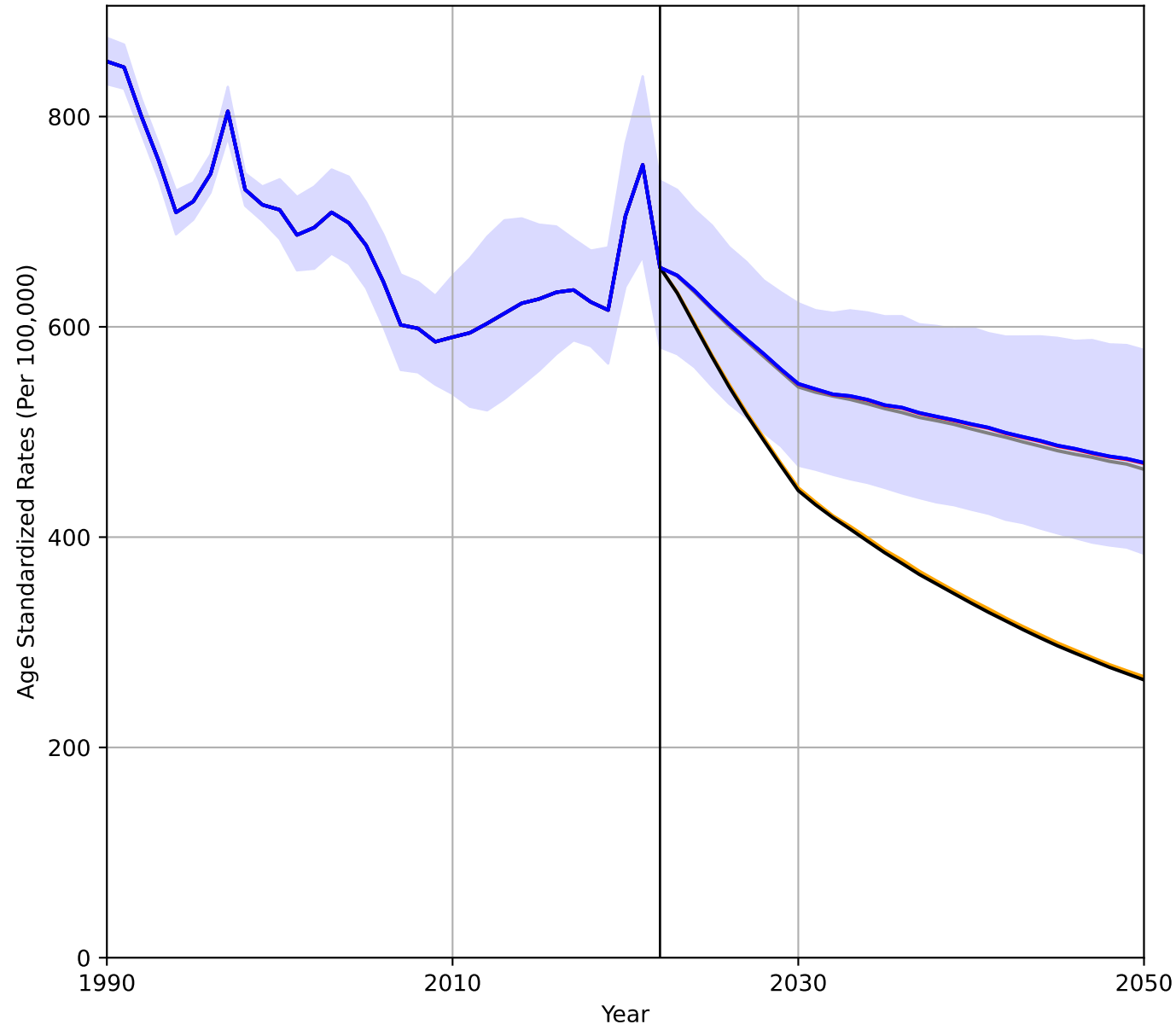
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# Albania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

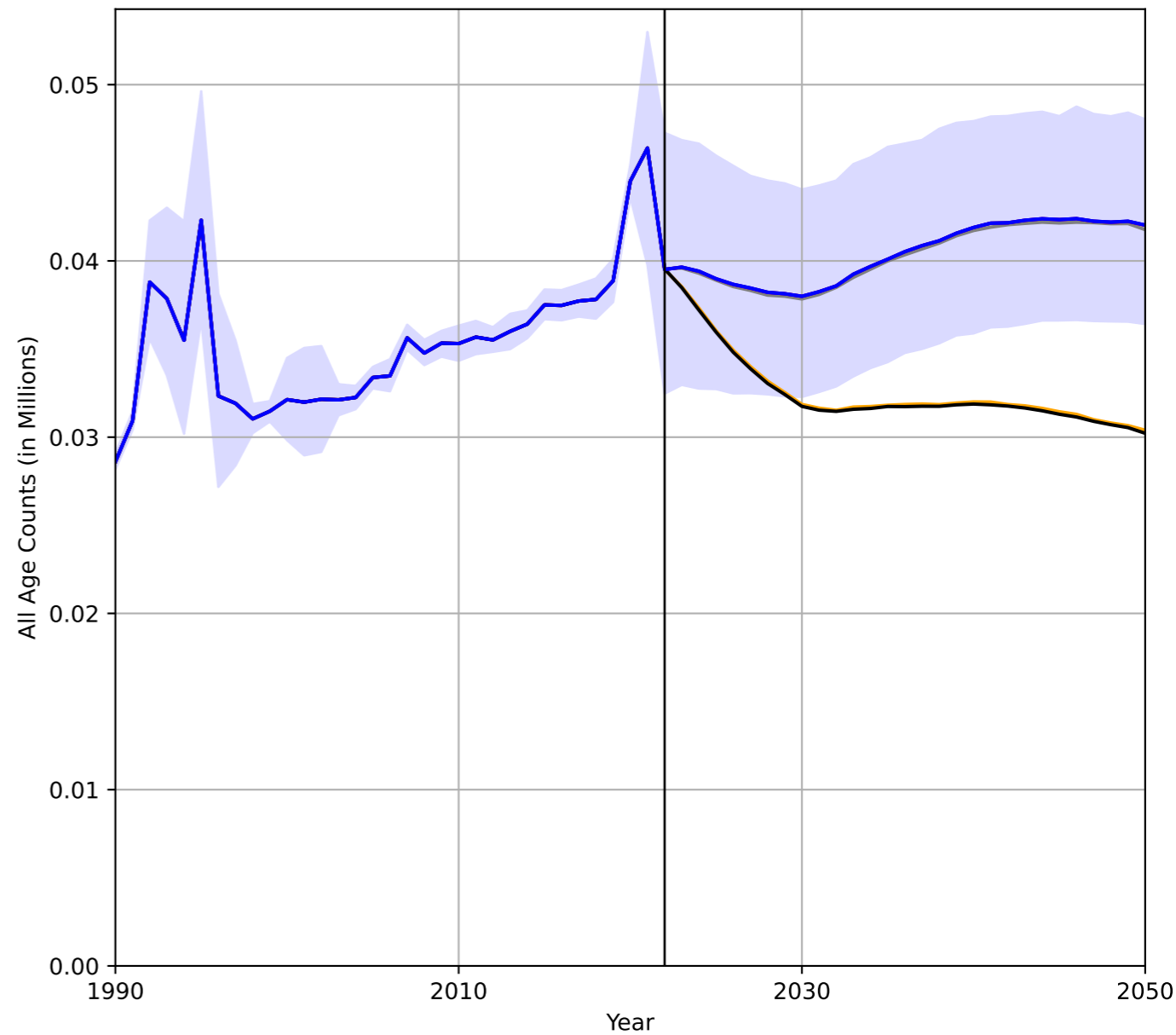
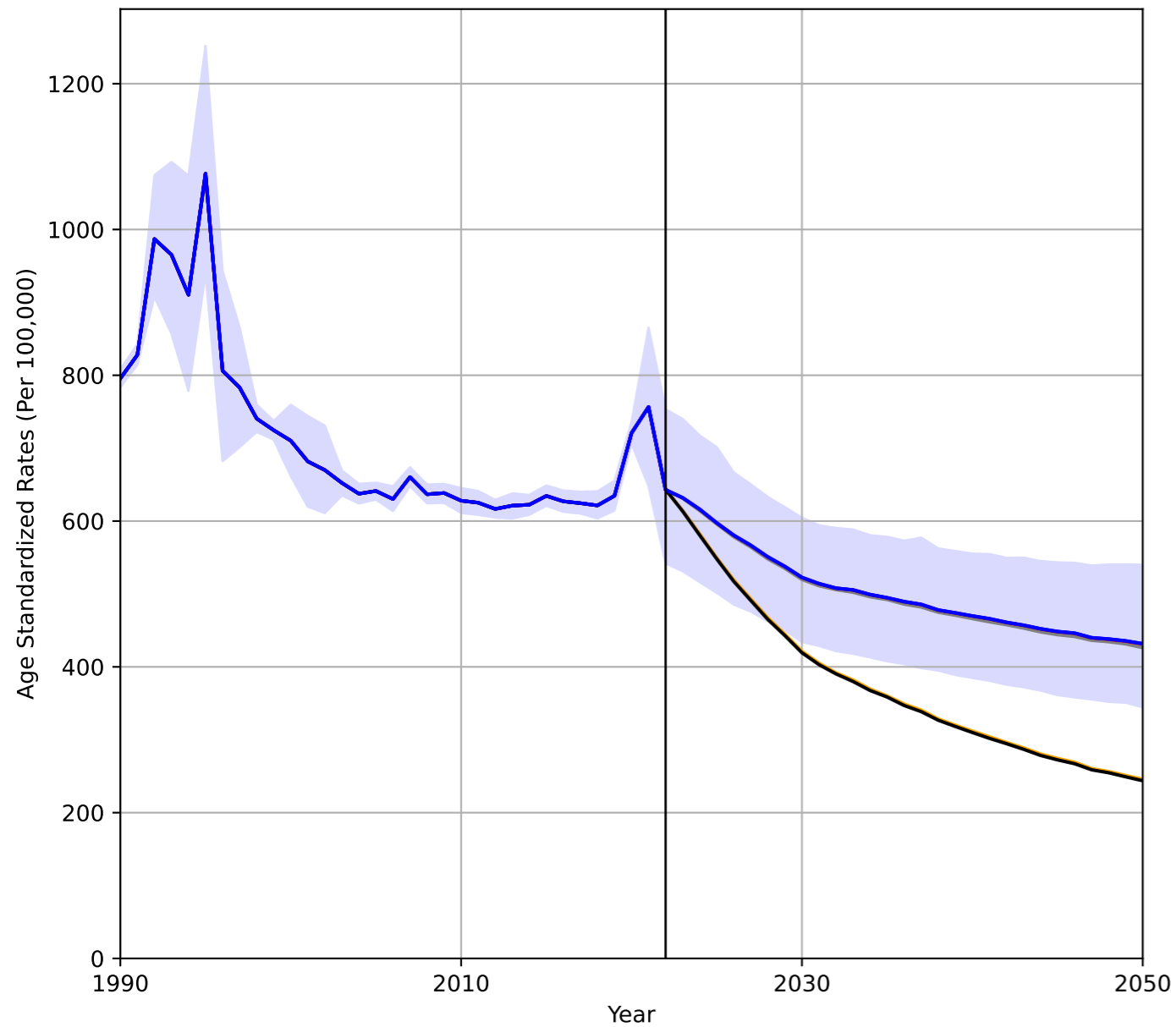
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# Bosnia And Herzegovina

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

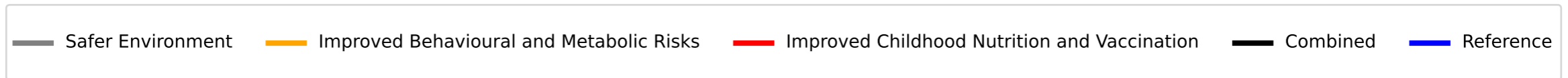
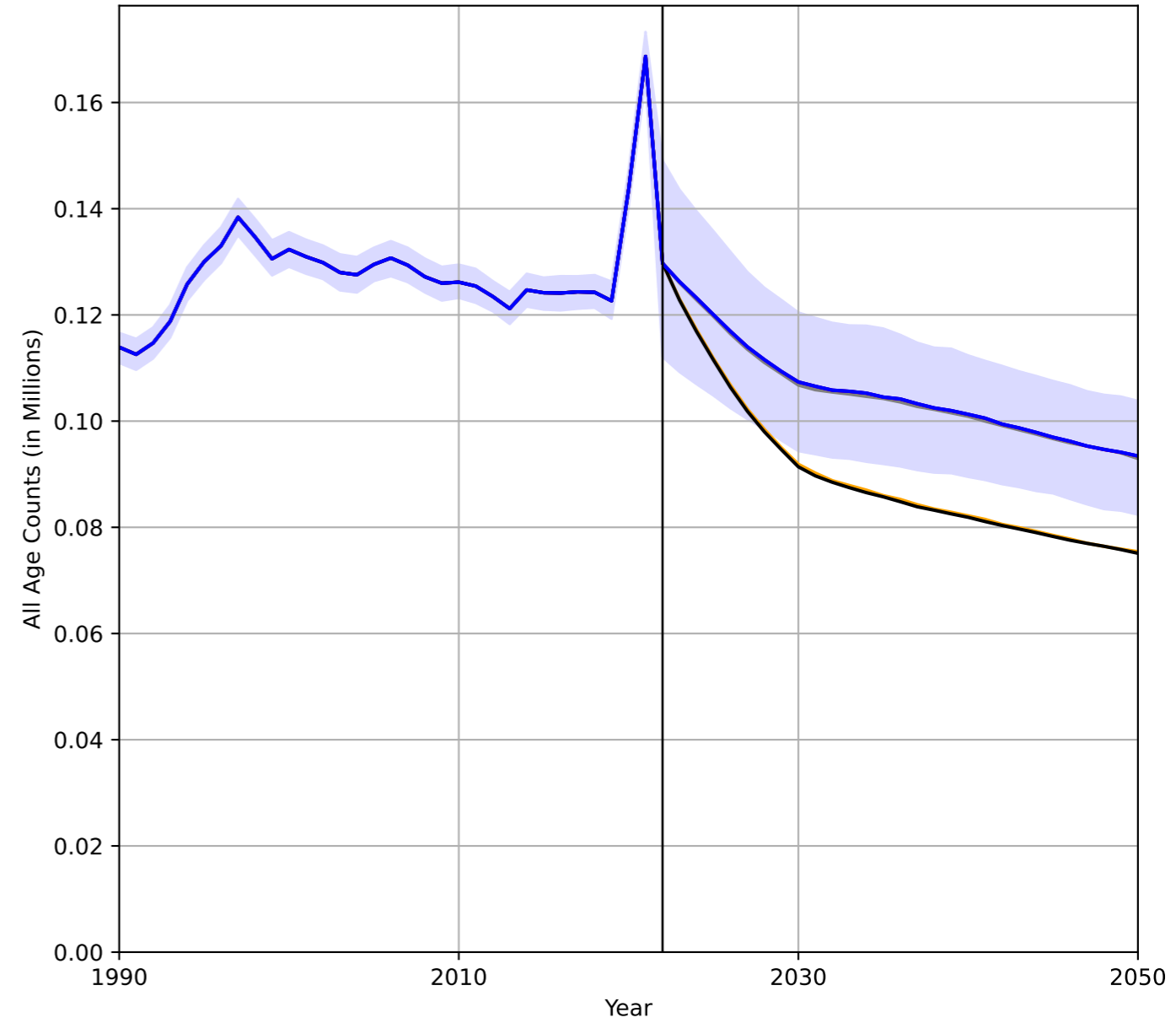
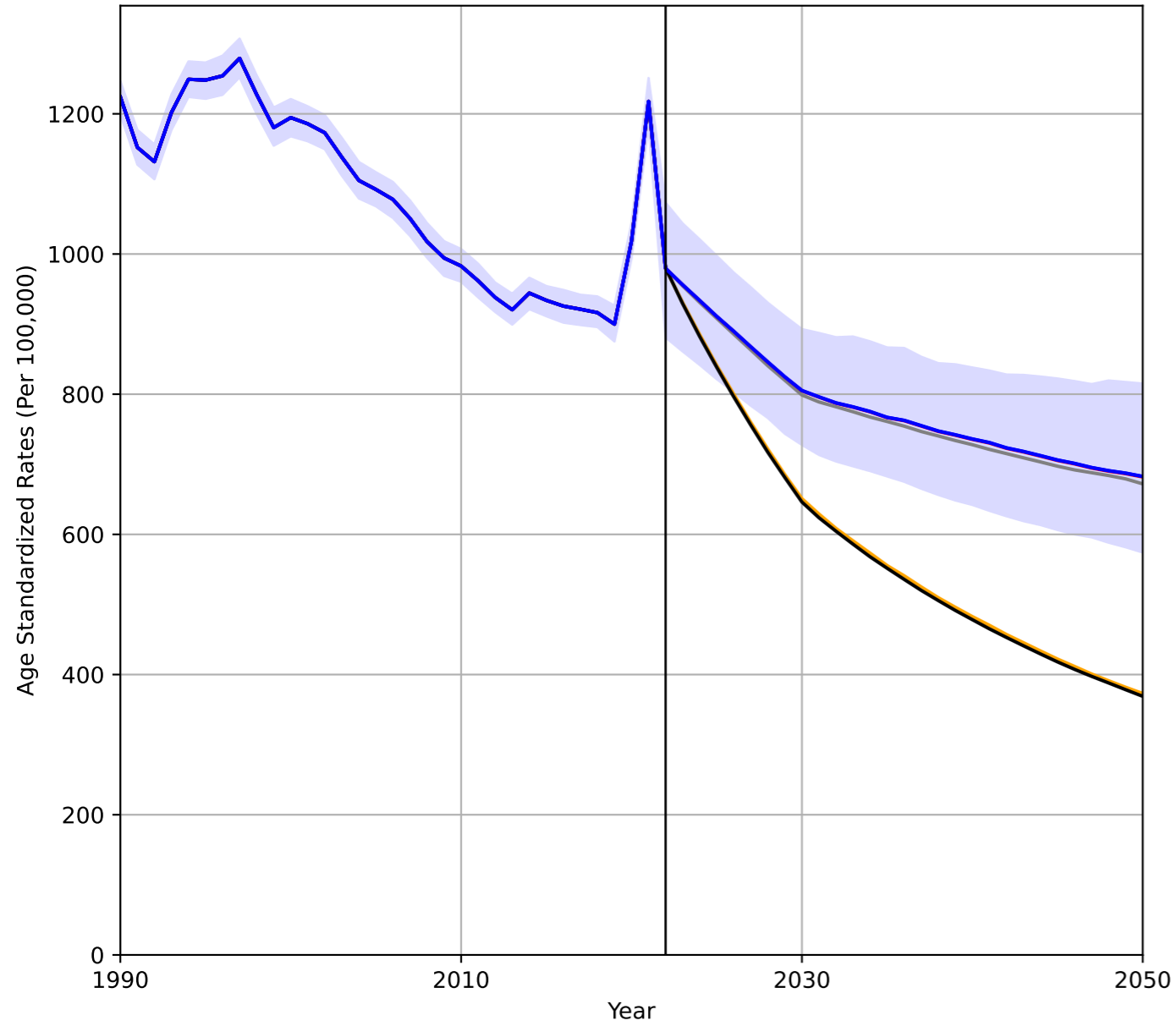
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# Bulgaria

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1655

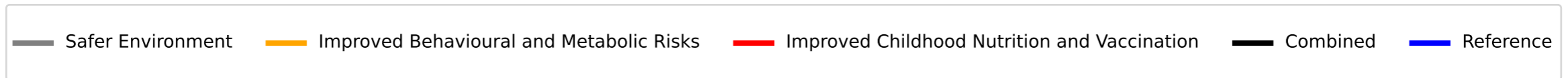
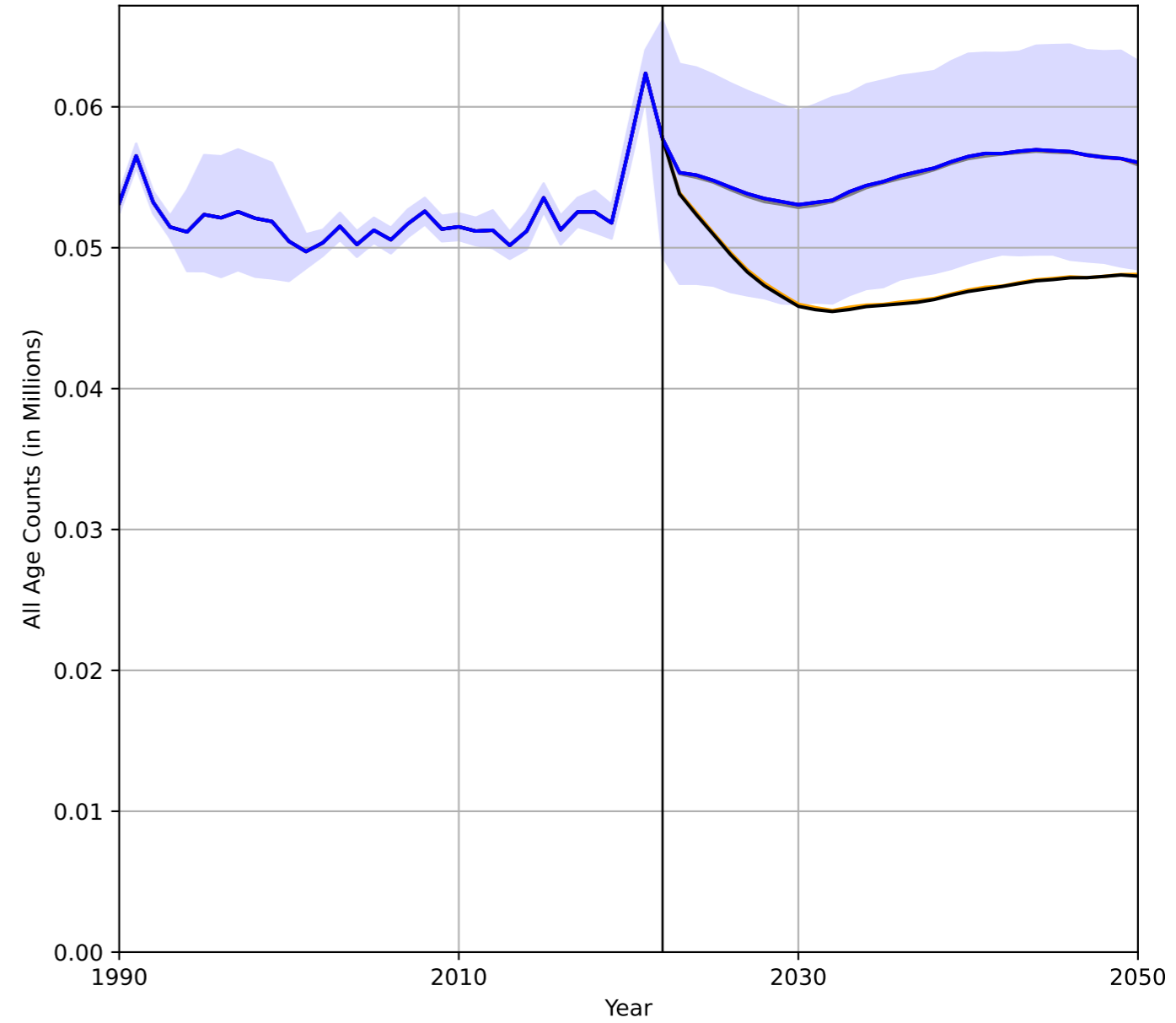
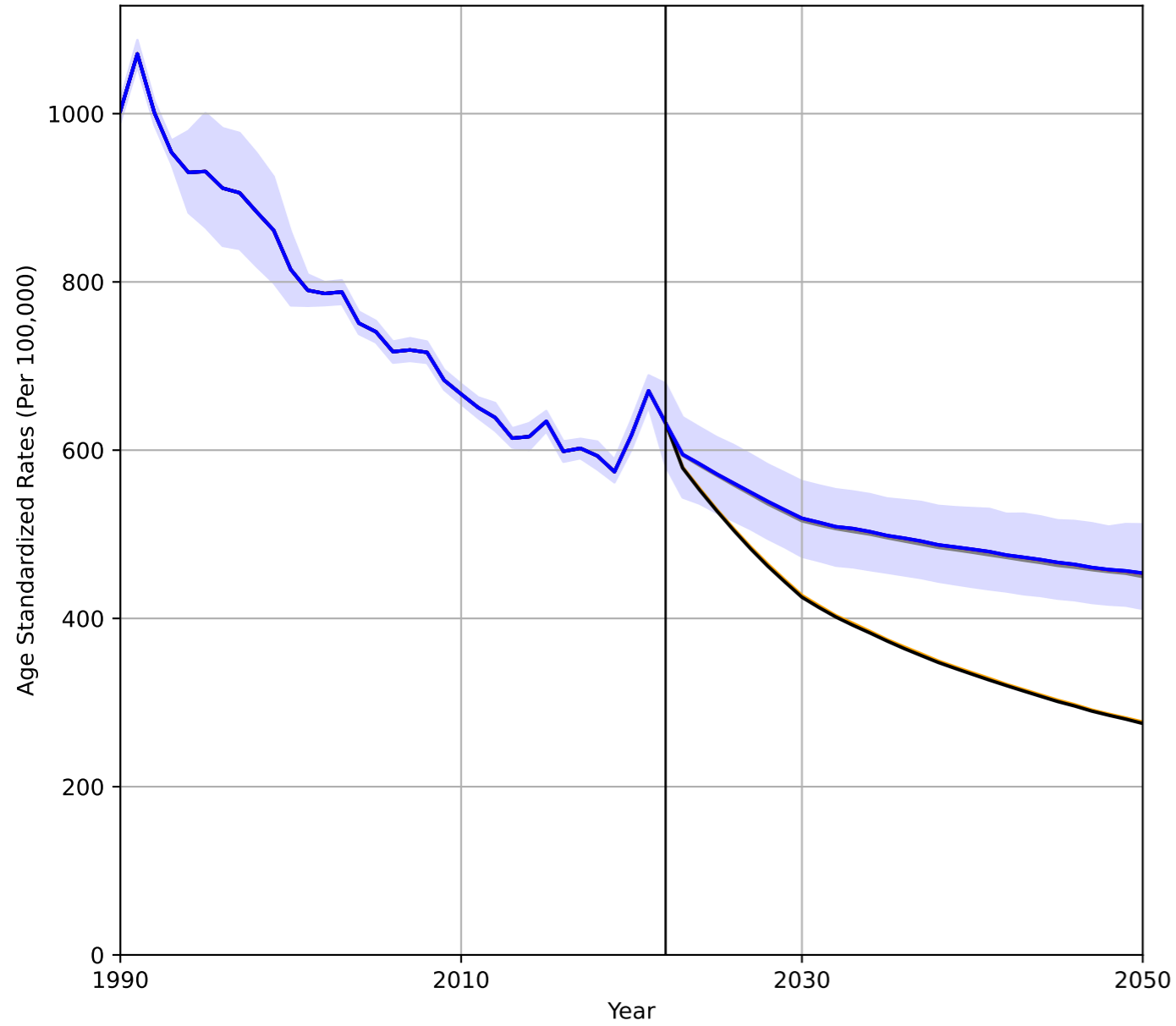




# Croatia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

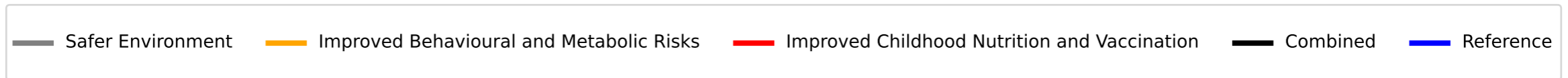
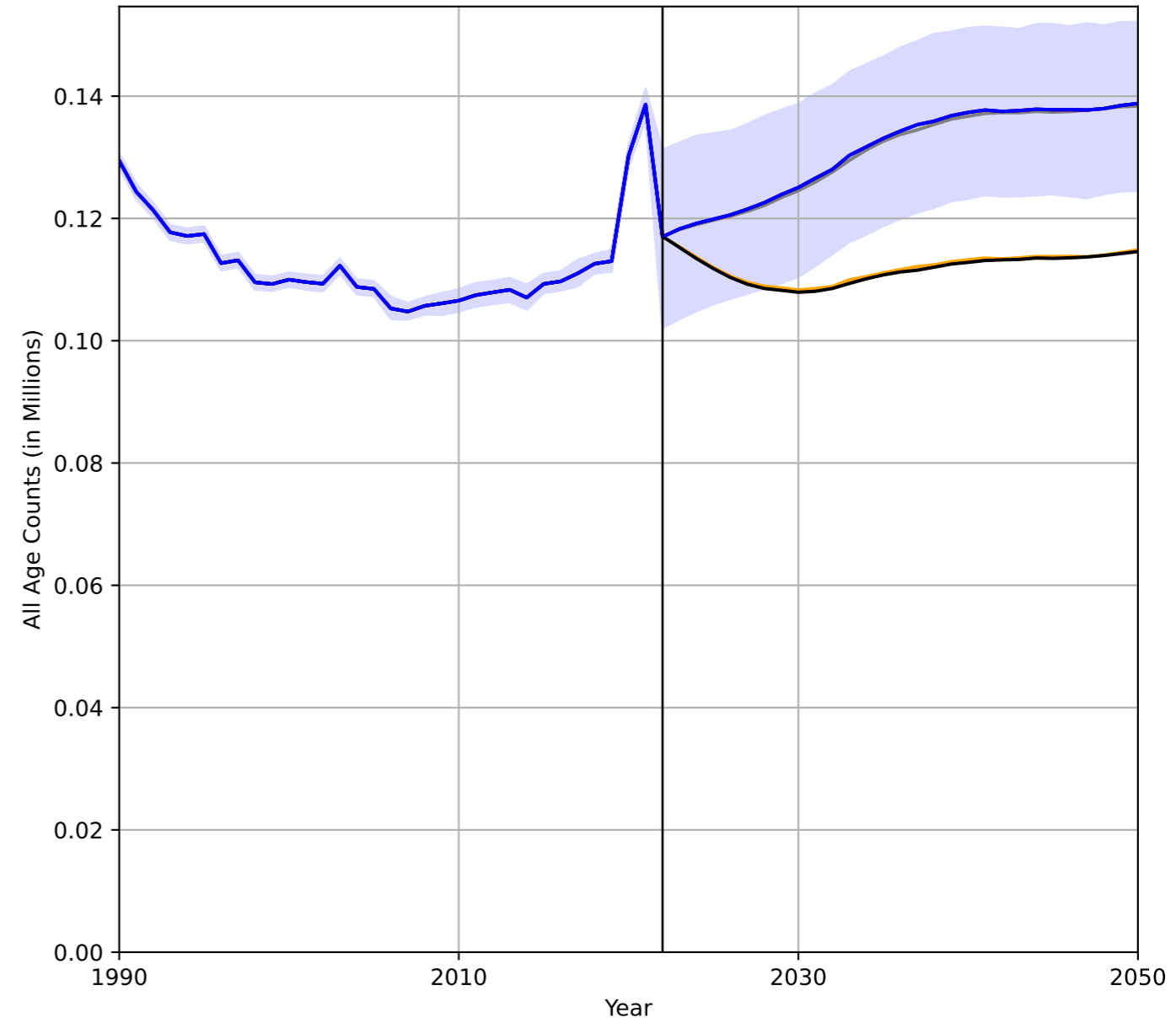
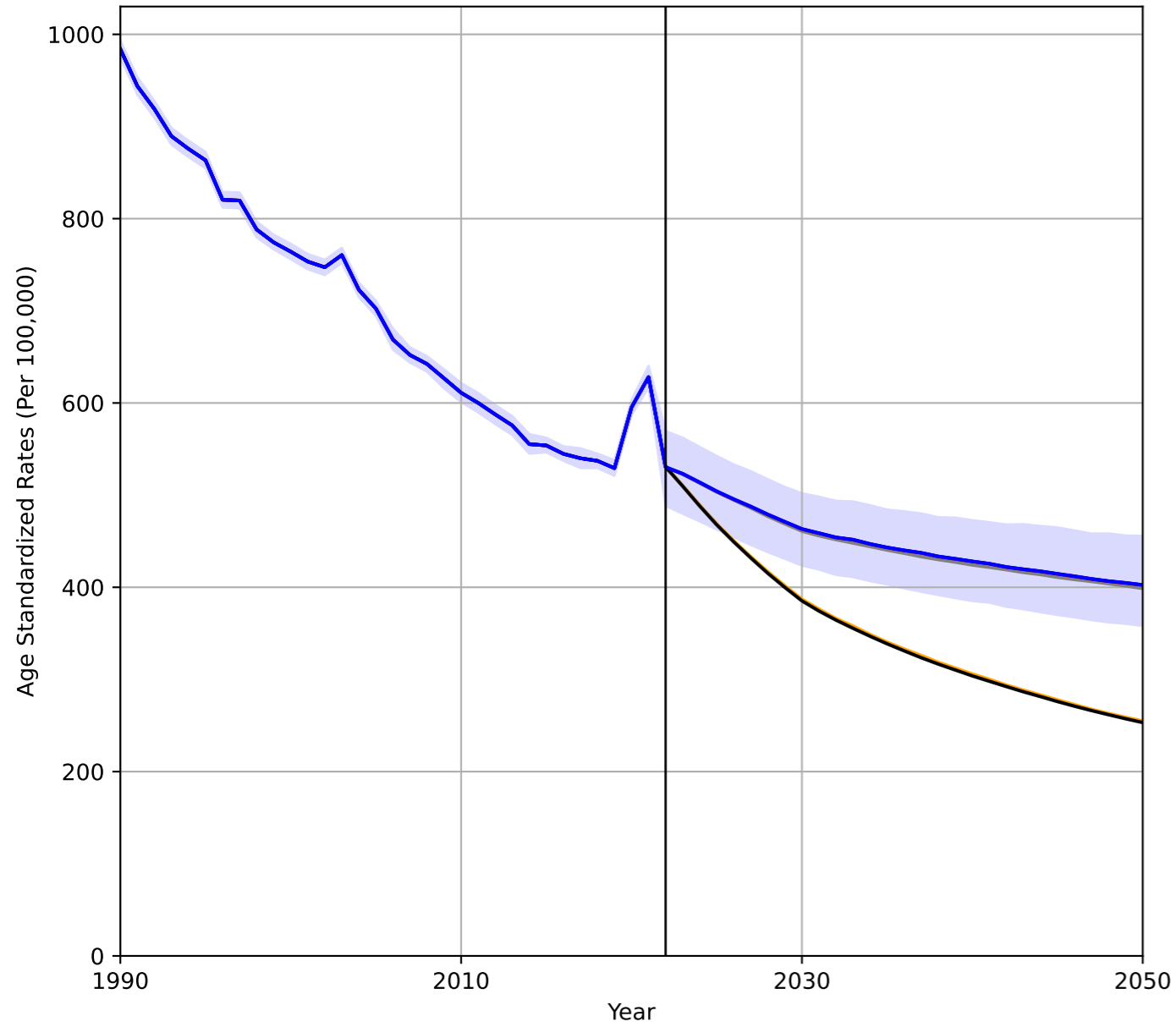
1656



# Czechia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

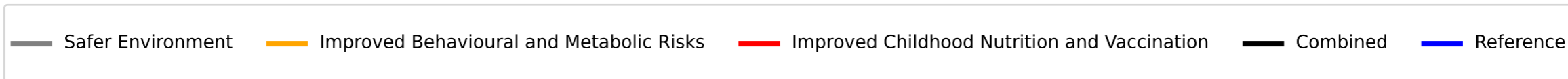
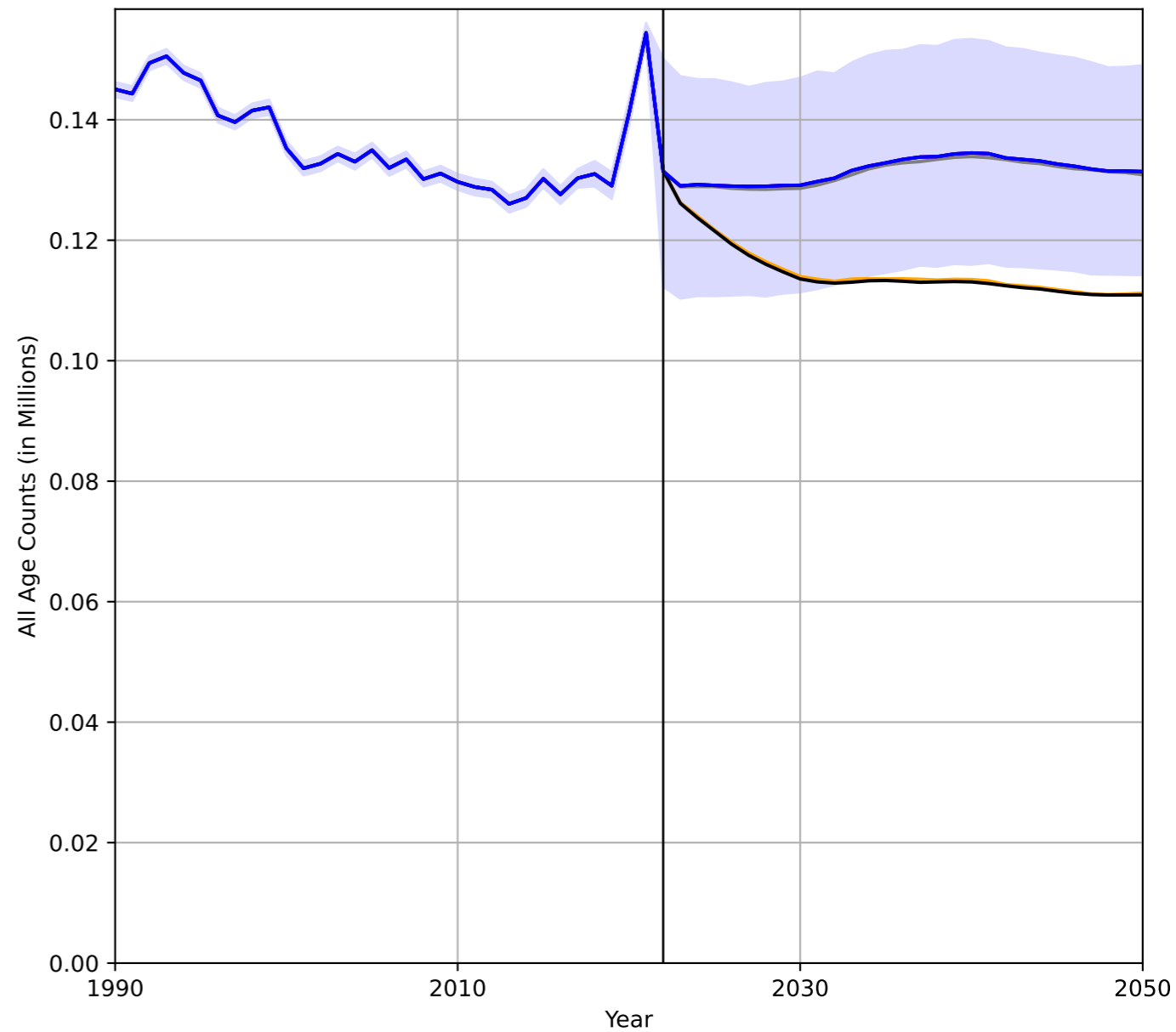
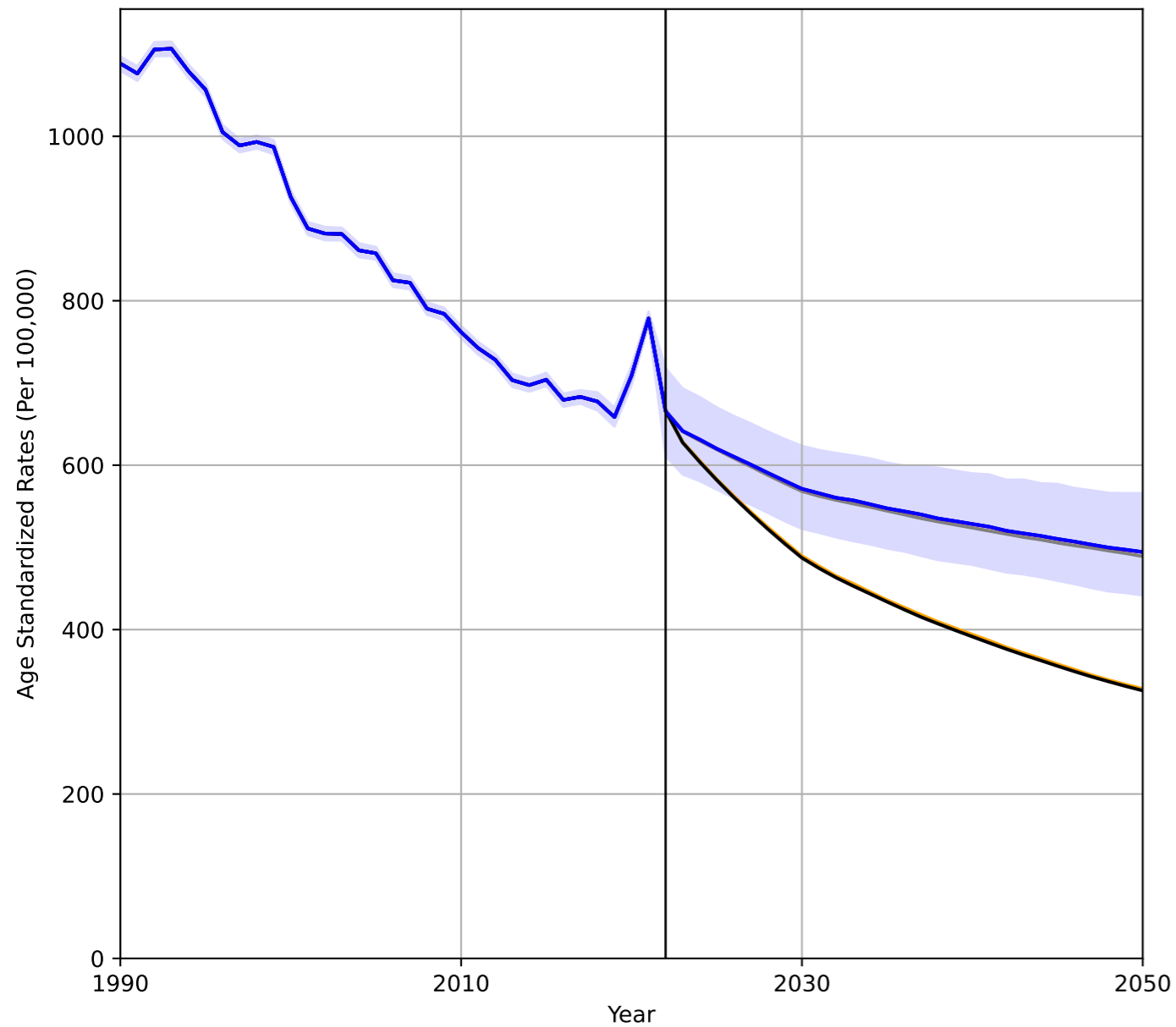
1657



# Hungary

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

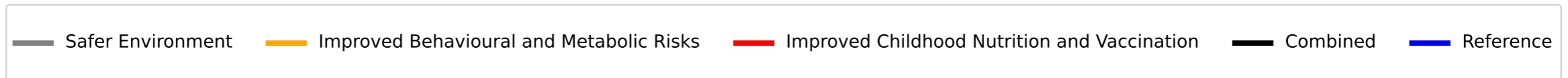
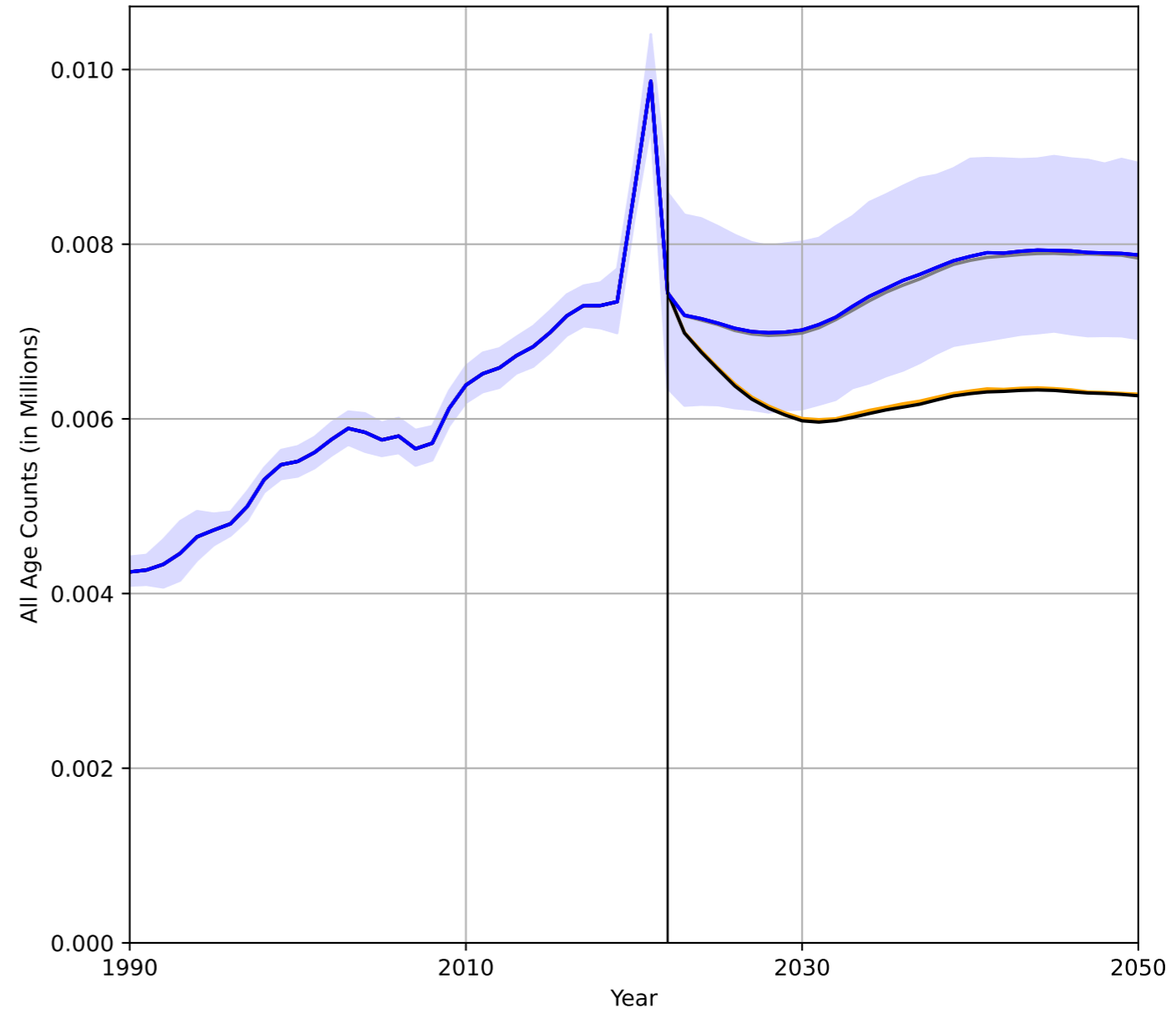
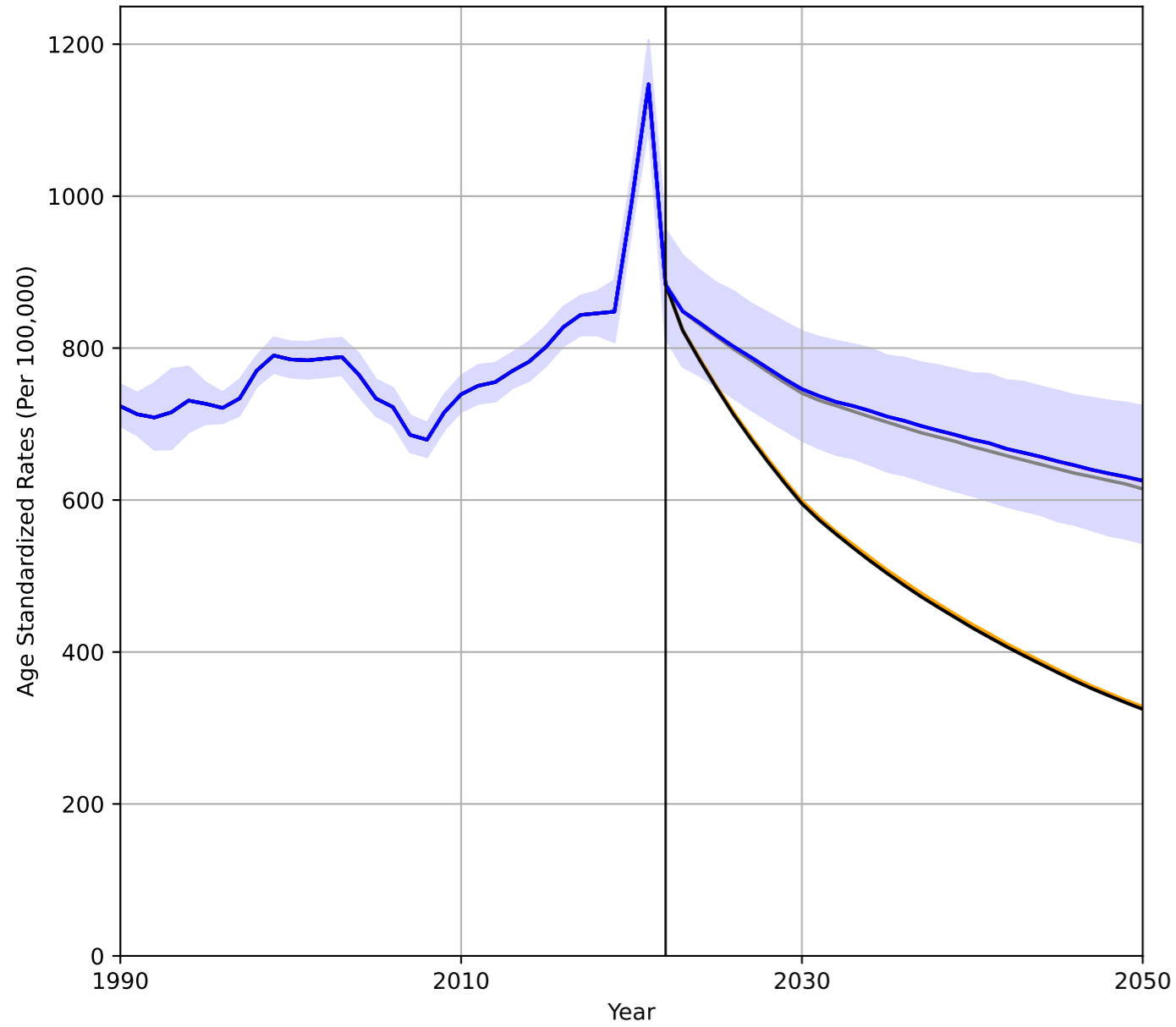
1658



# Montenegro

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

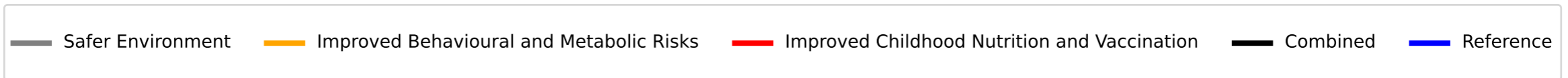
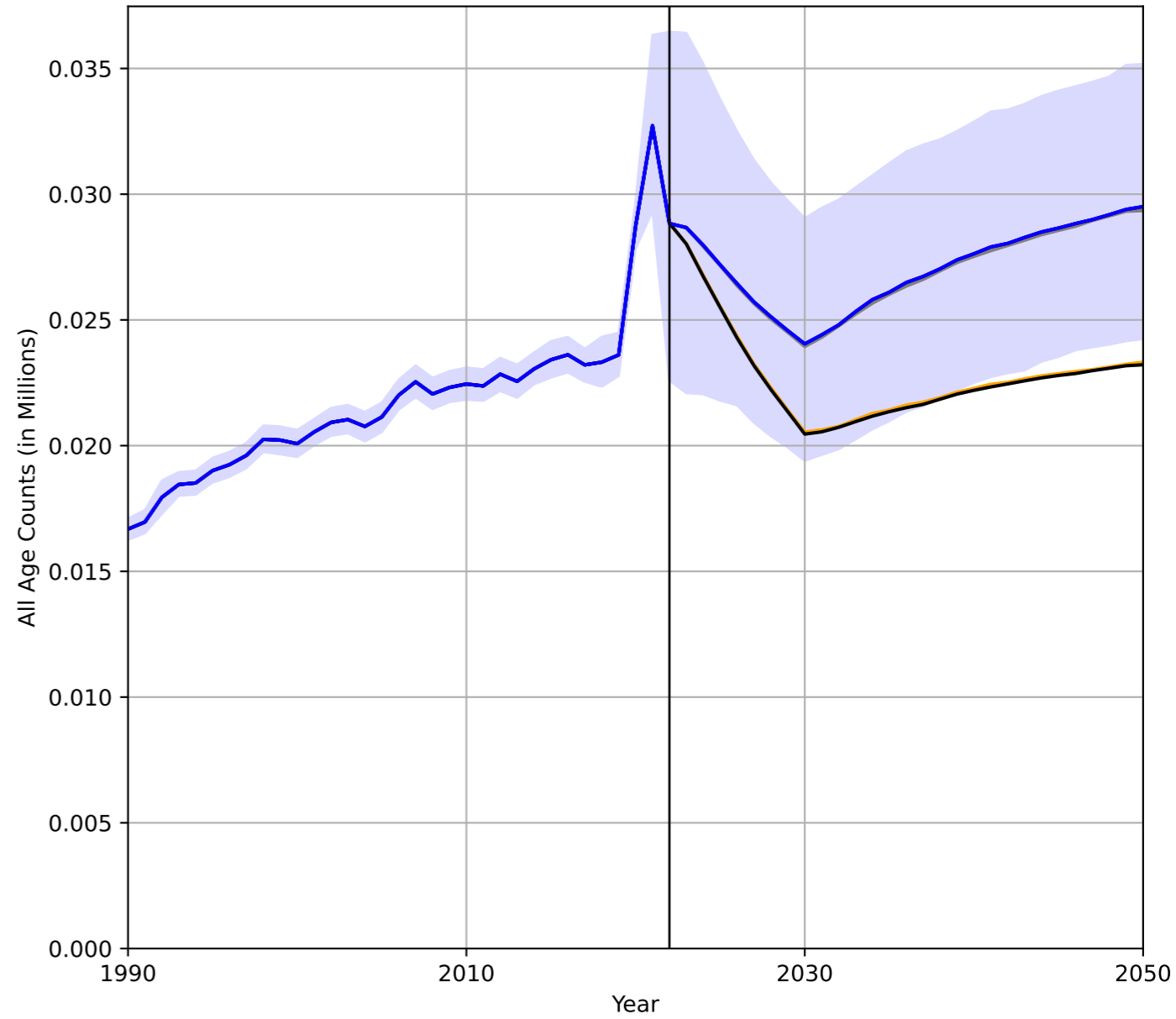
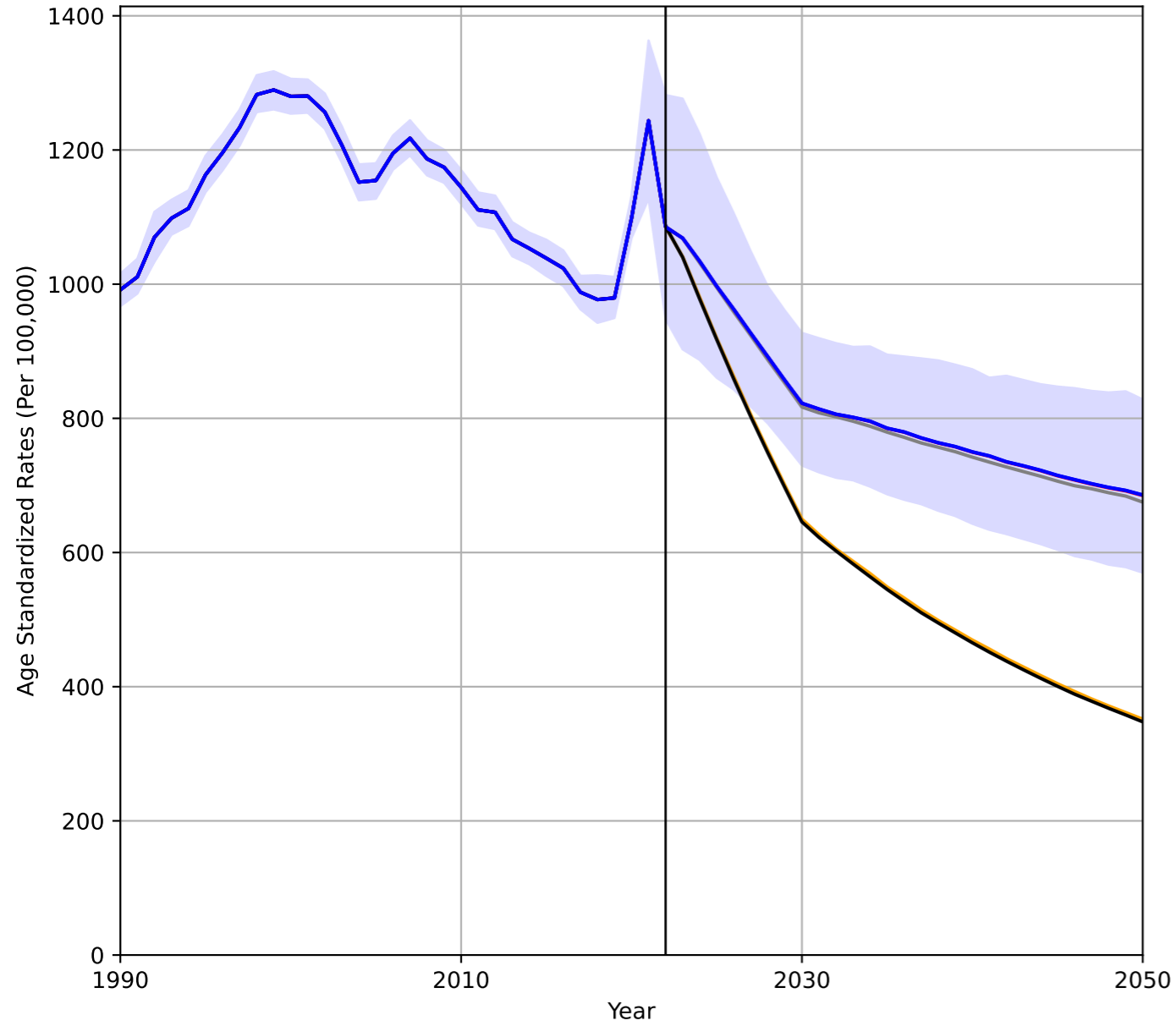
1659



# North Macedonia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

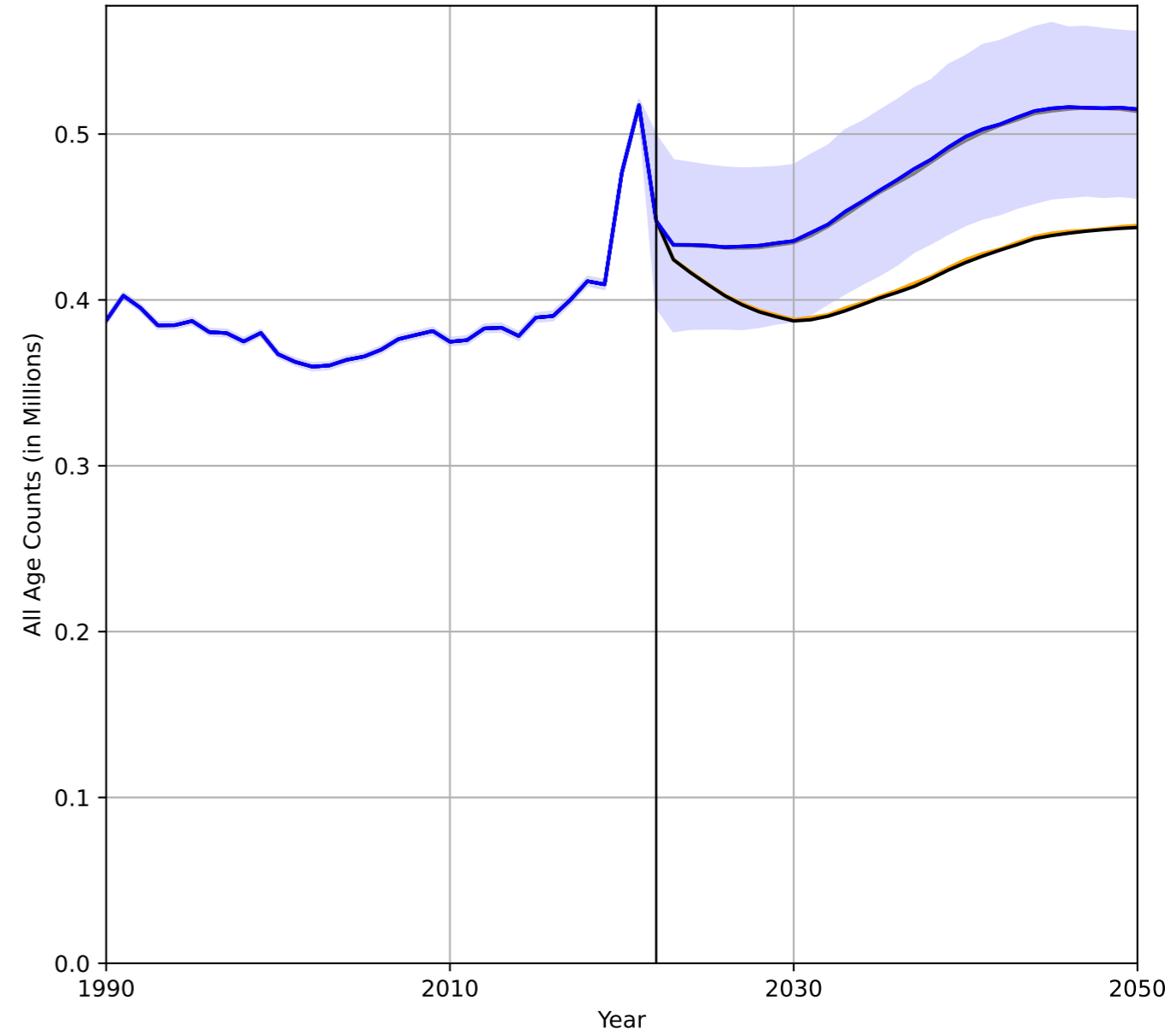
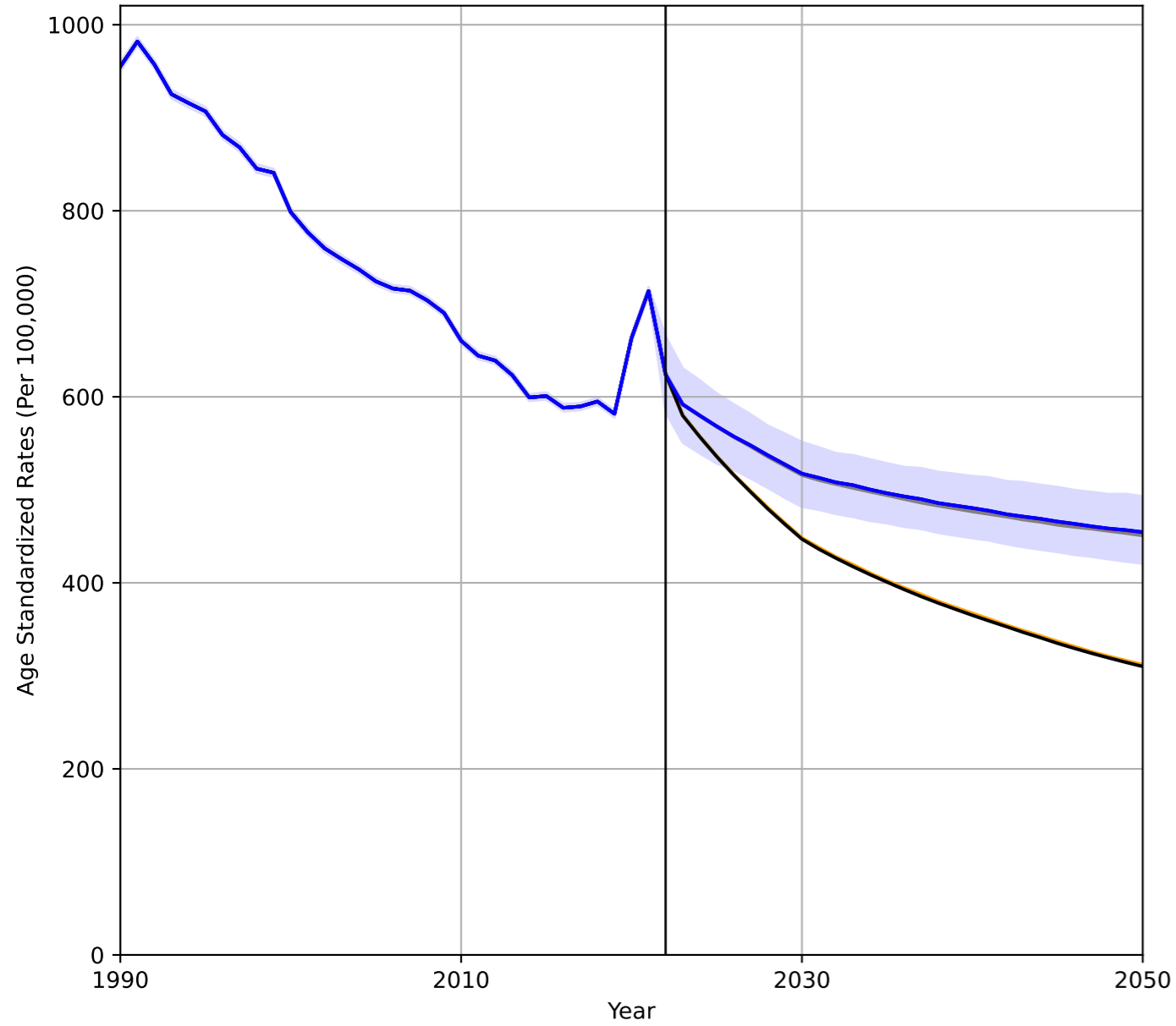
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# Poland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

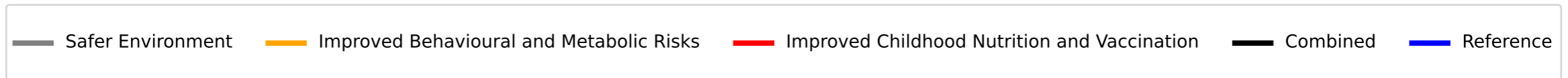
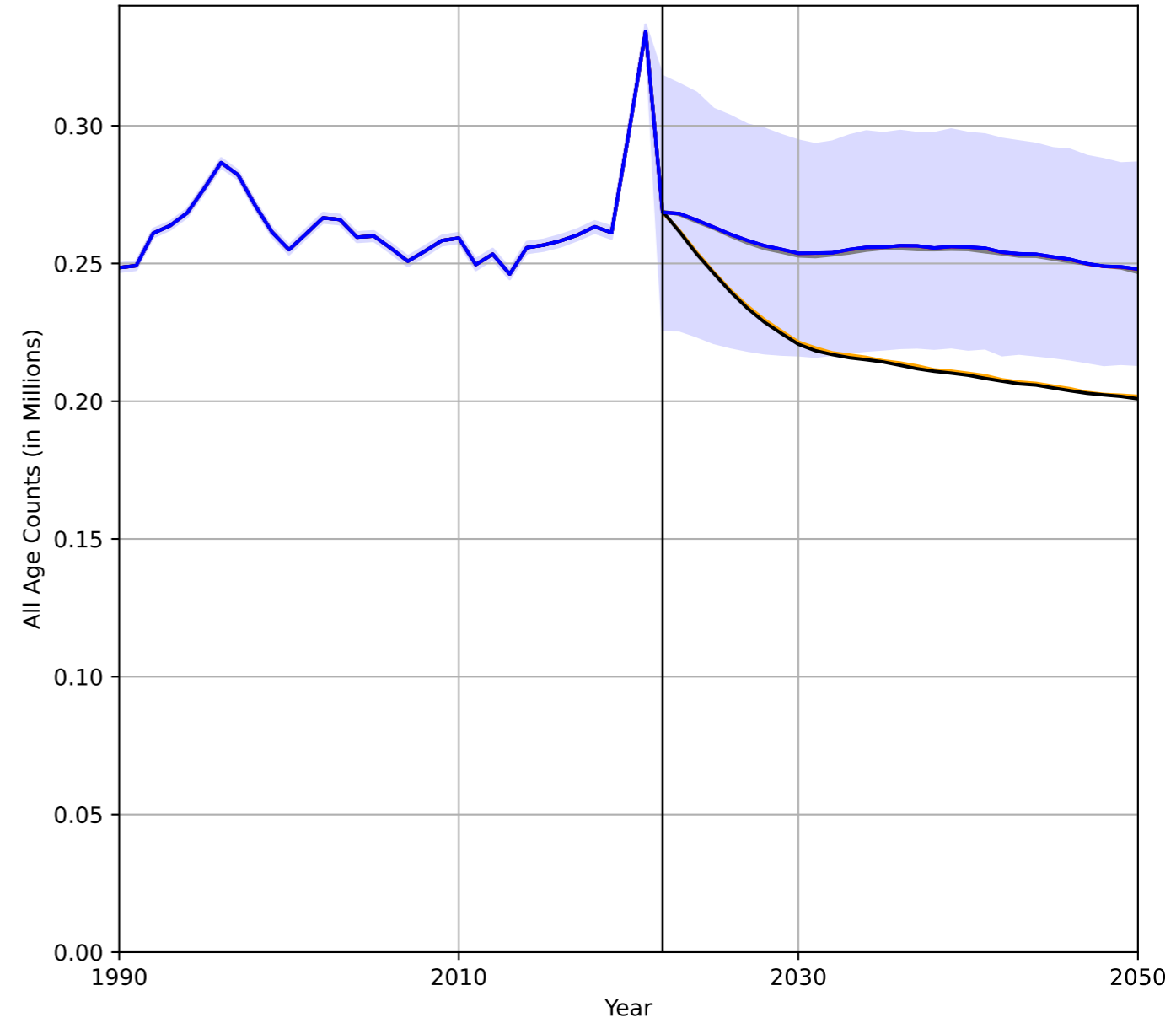
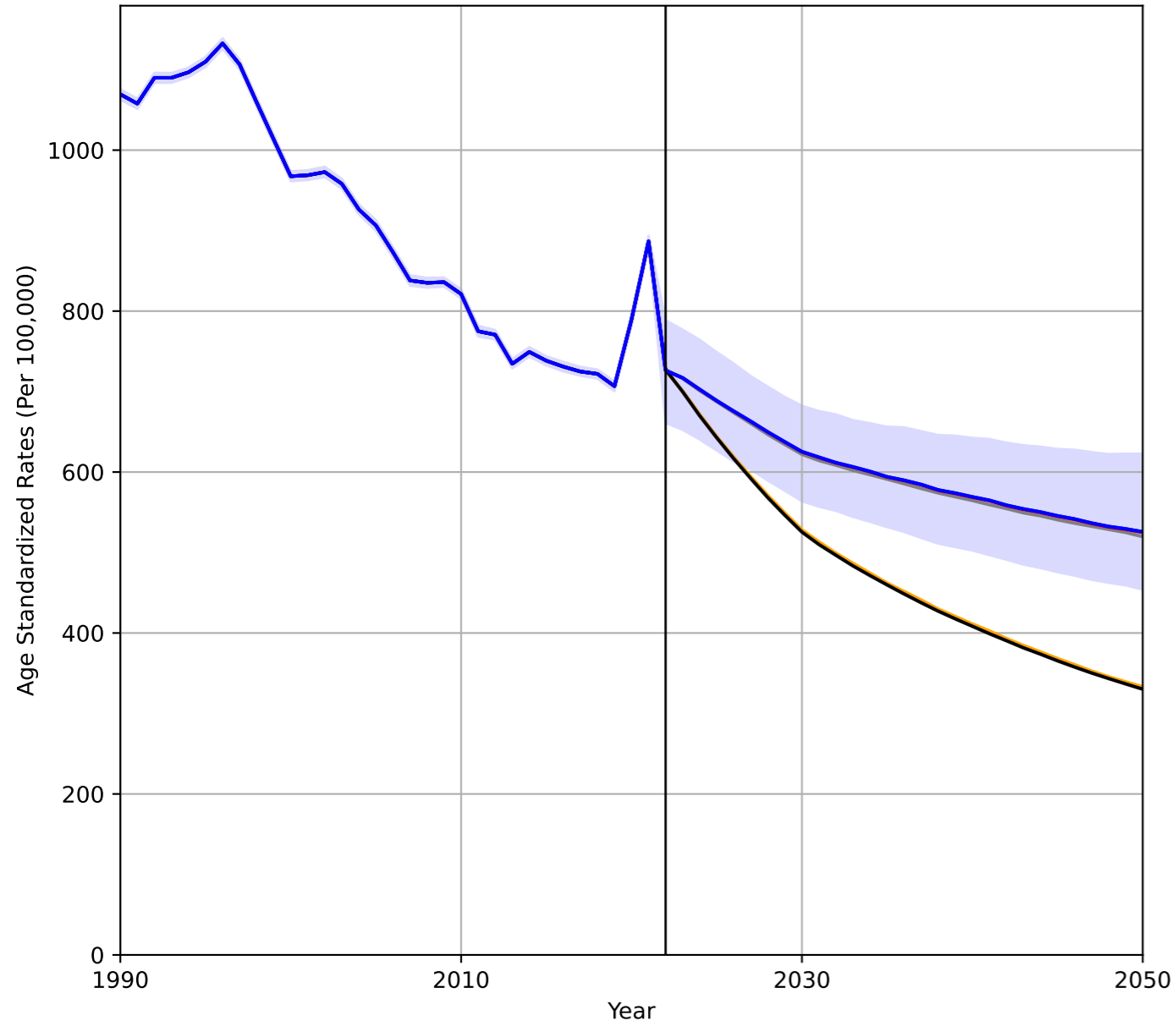
1661



# Romania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

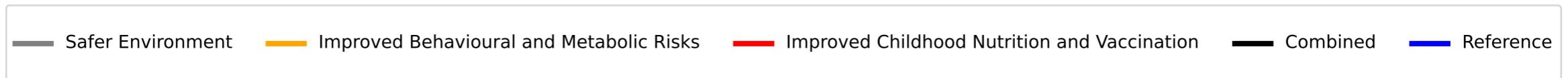
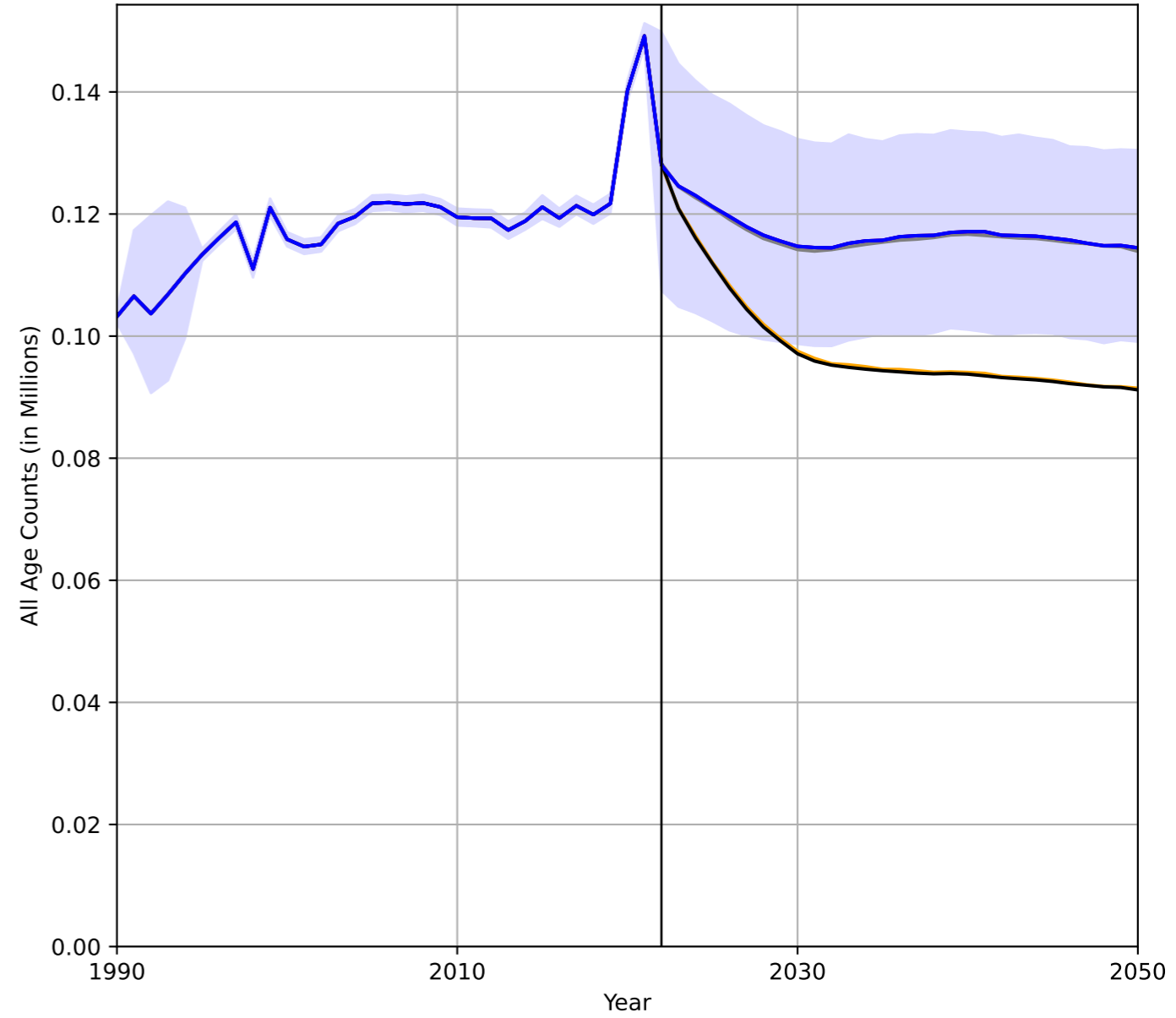
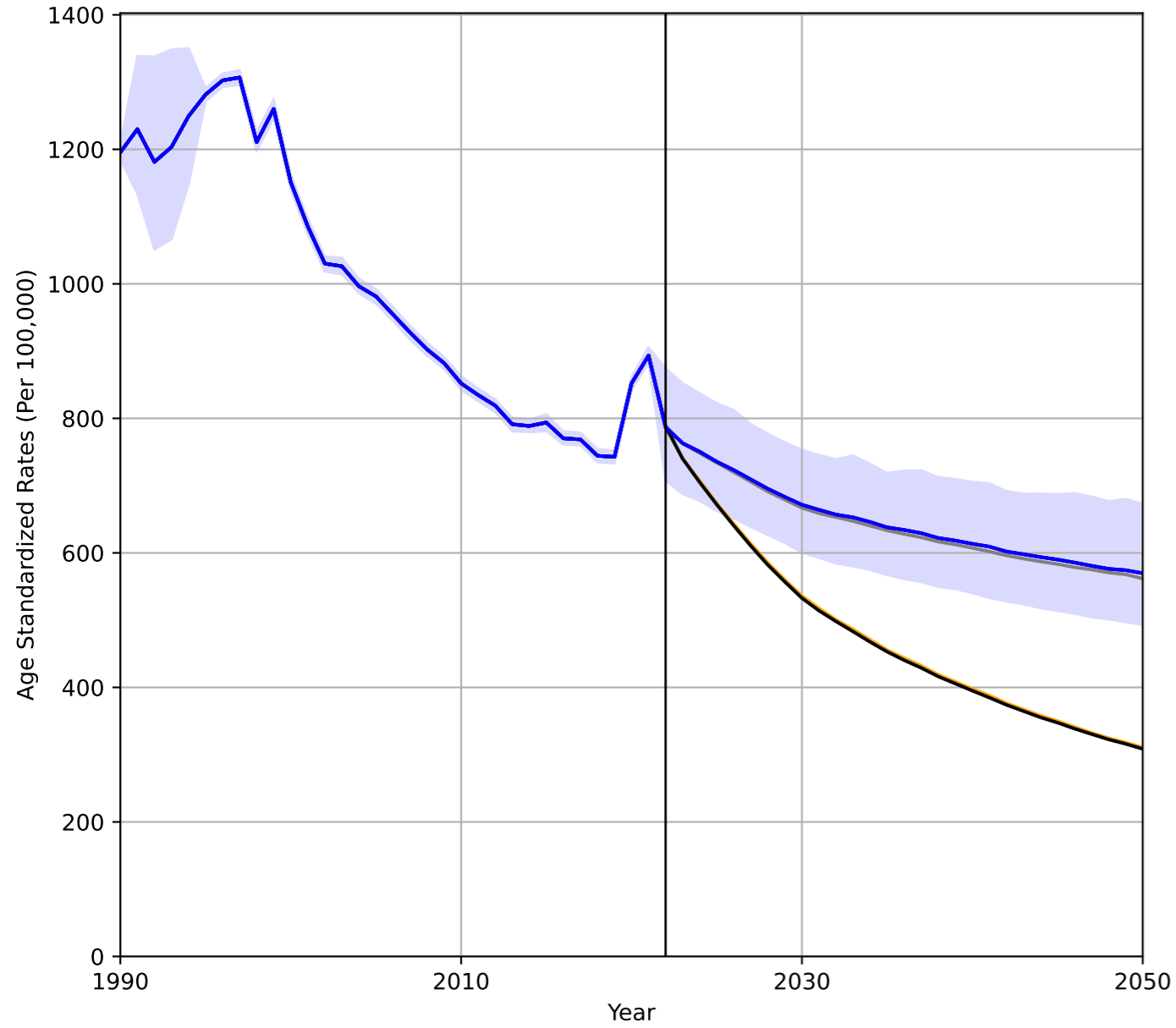
1662



# Serbia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1663

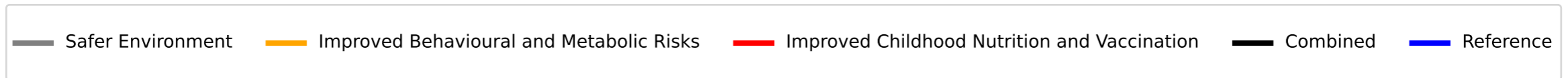
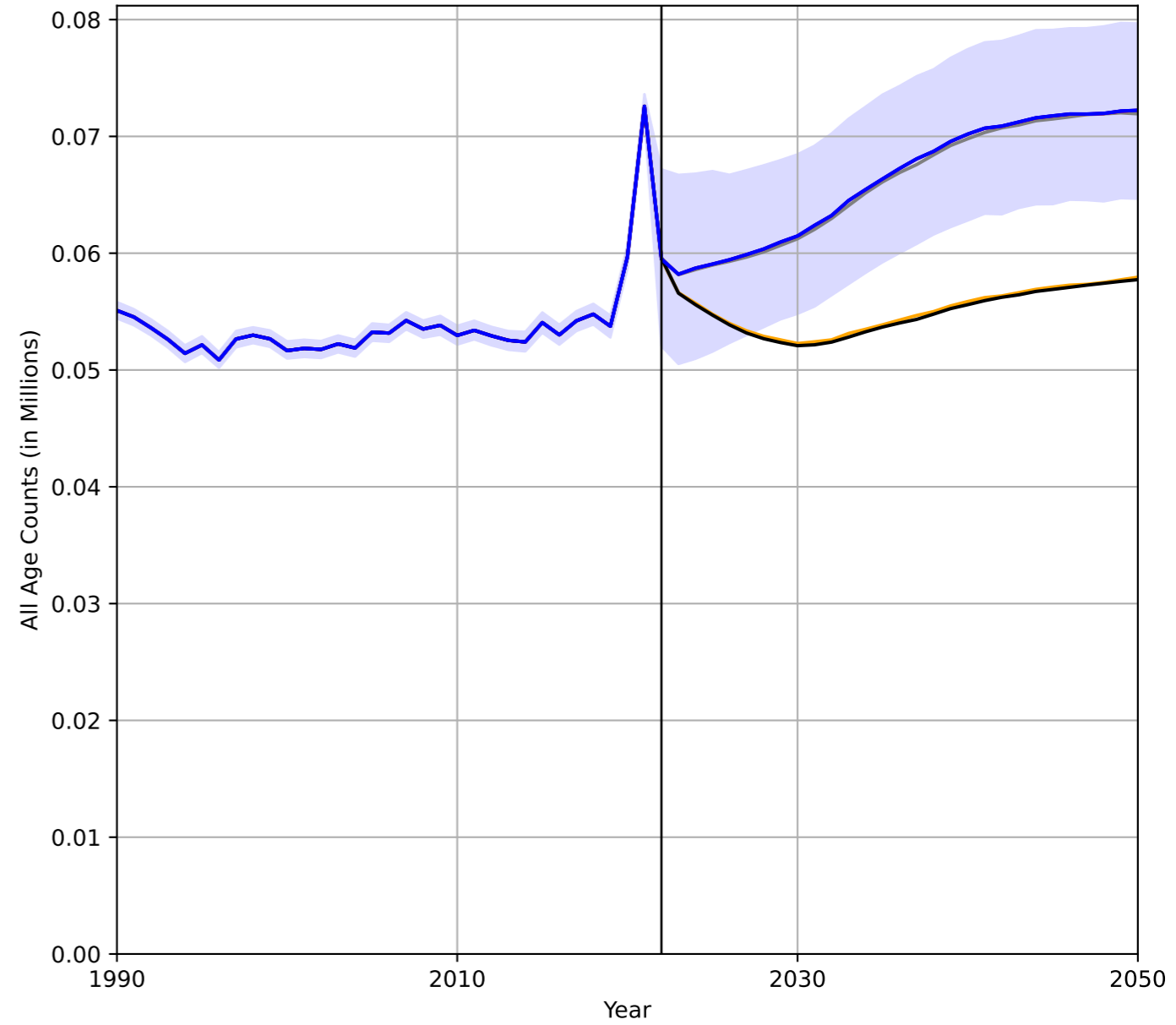
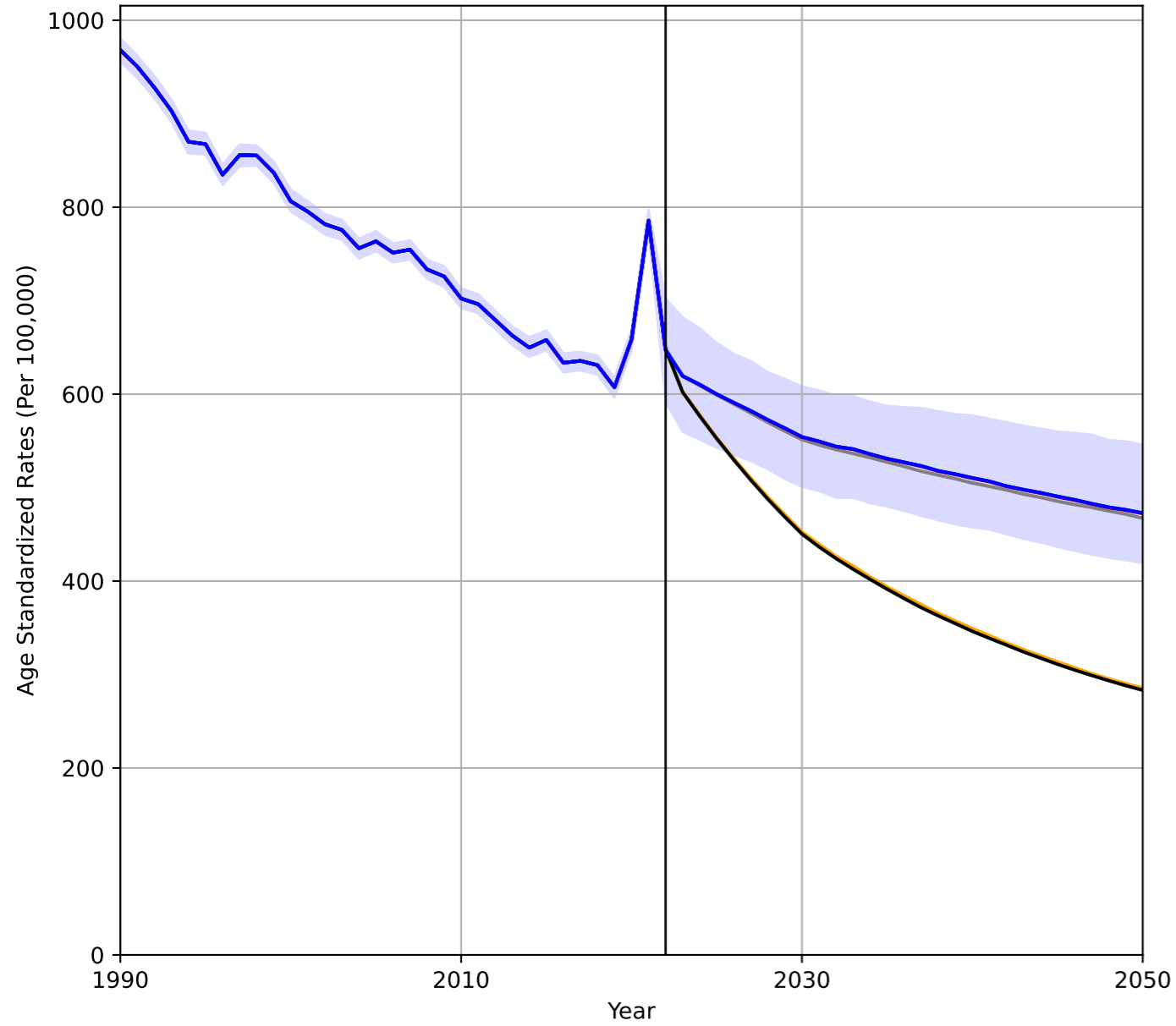




# Slovakia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

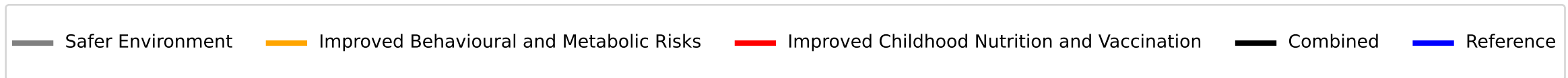
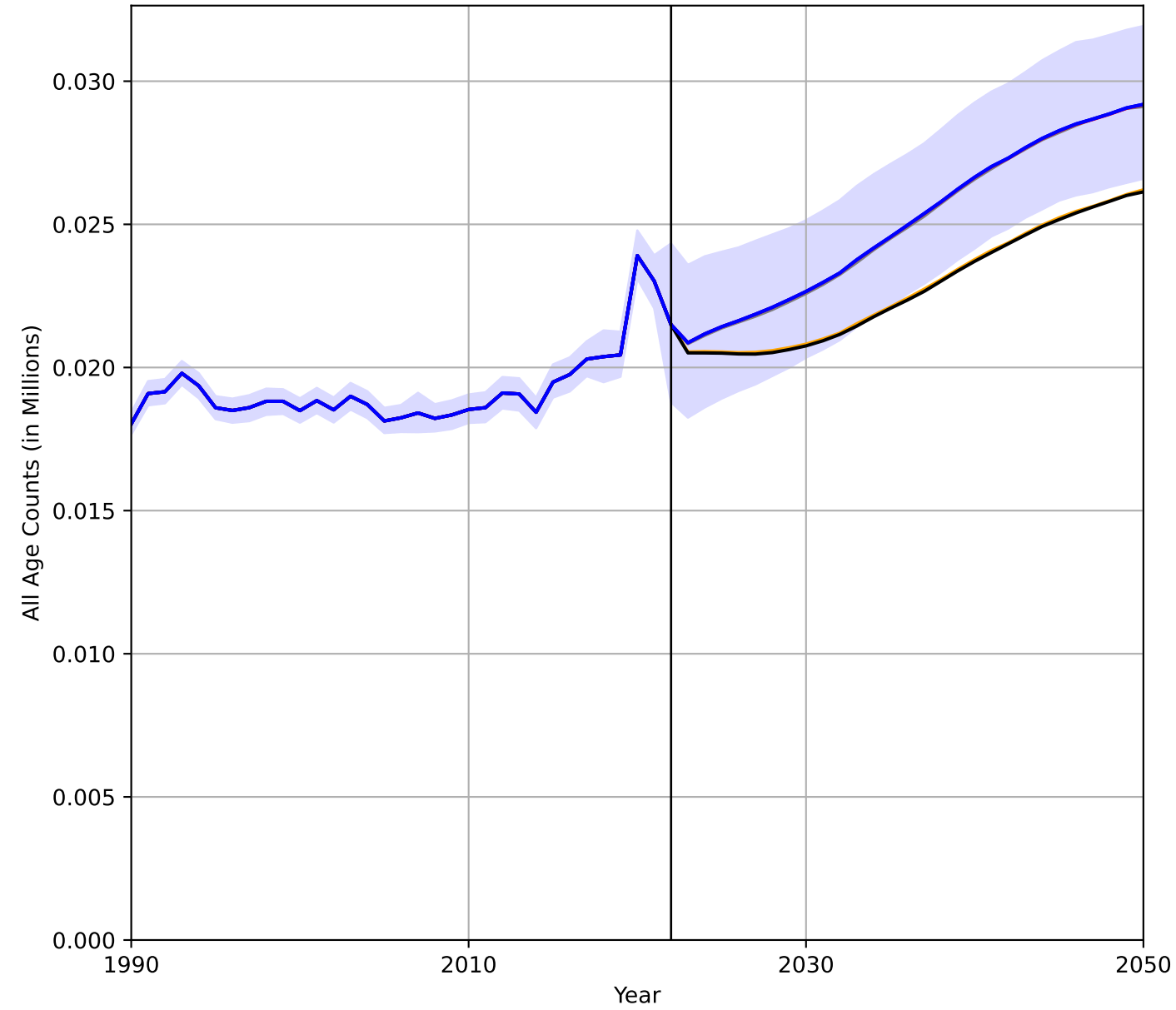
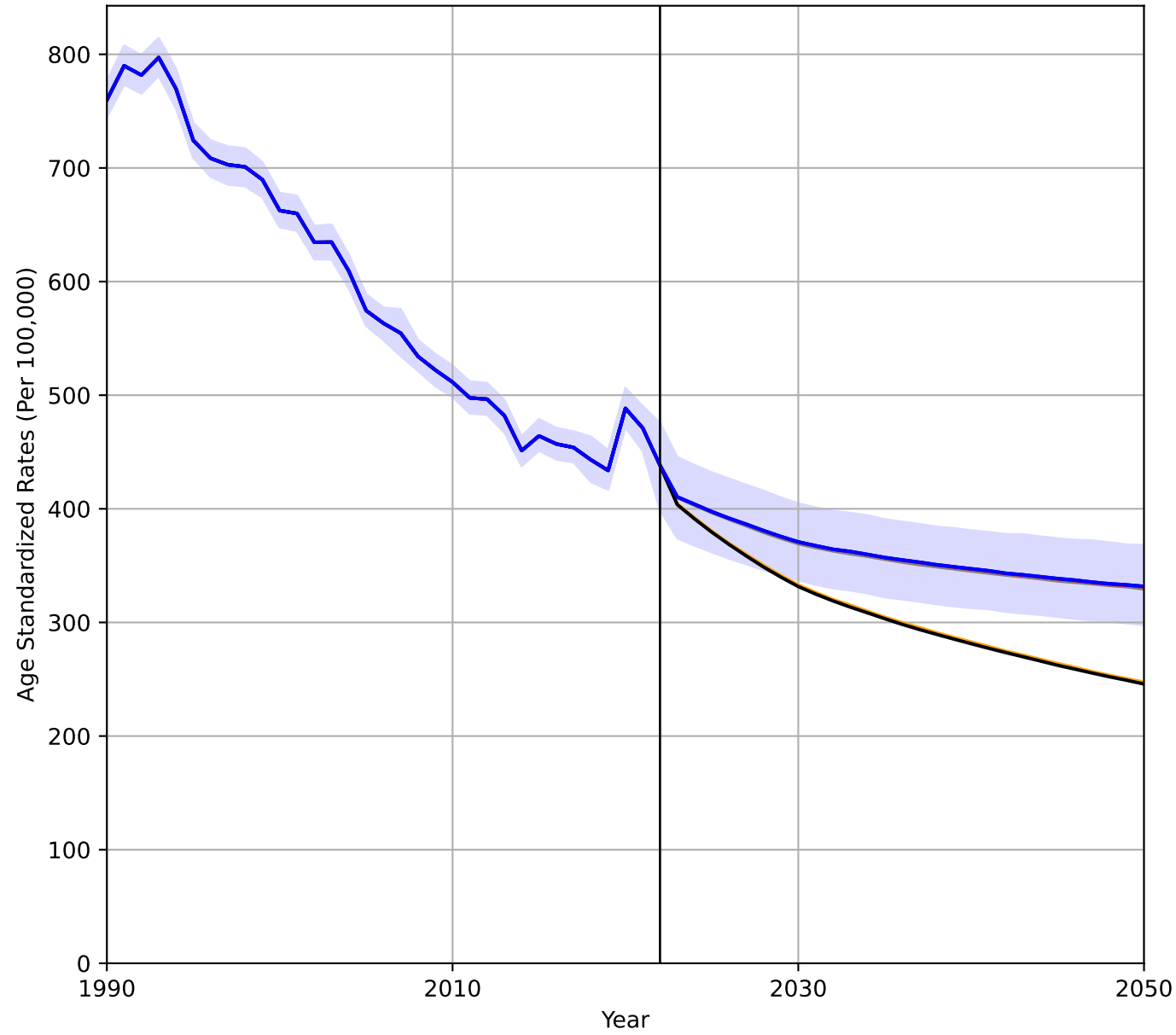
1664



# Slovenia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

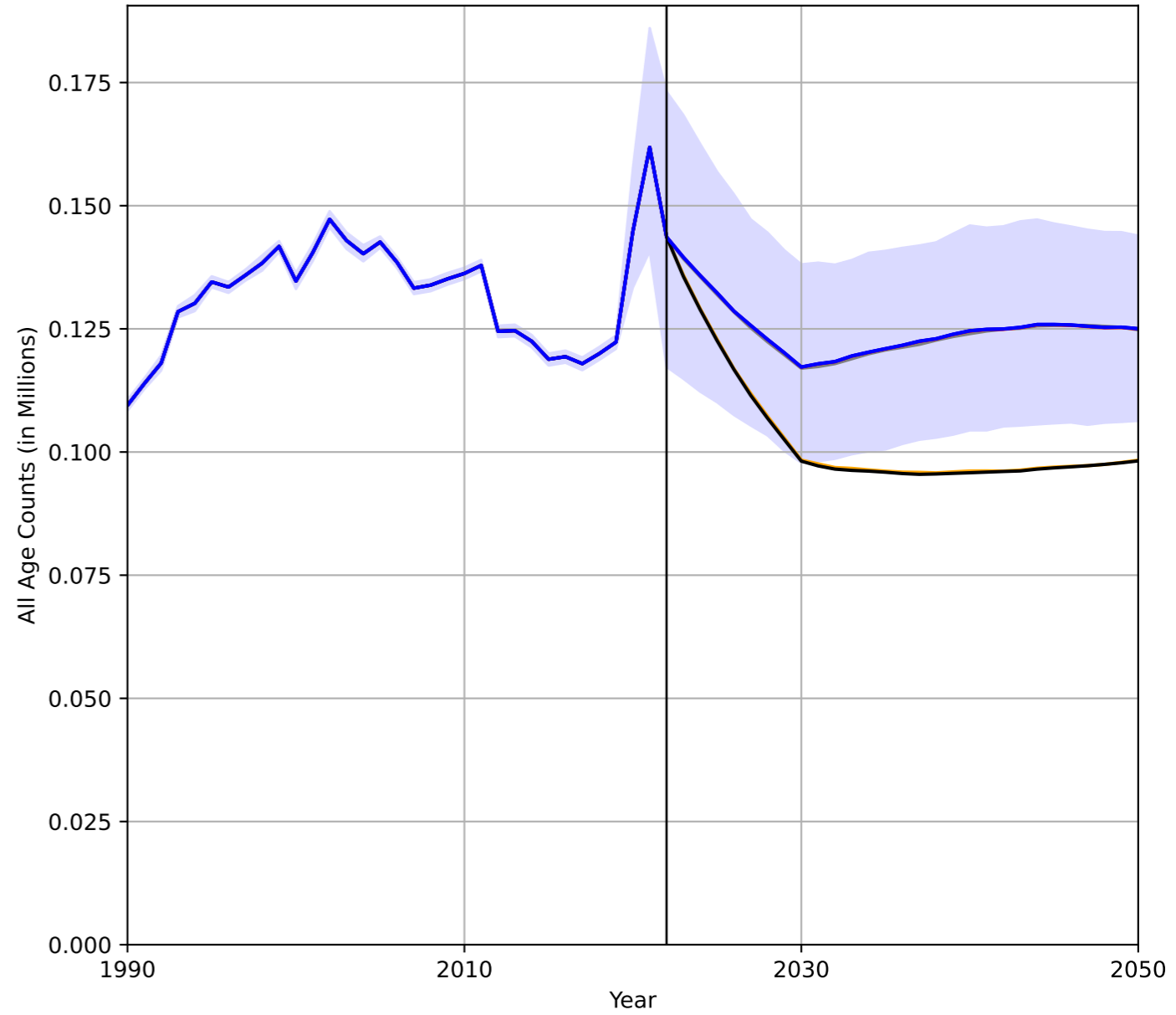
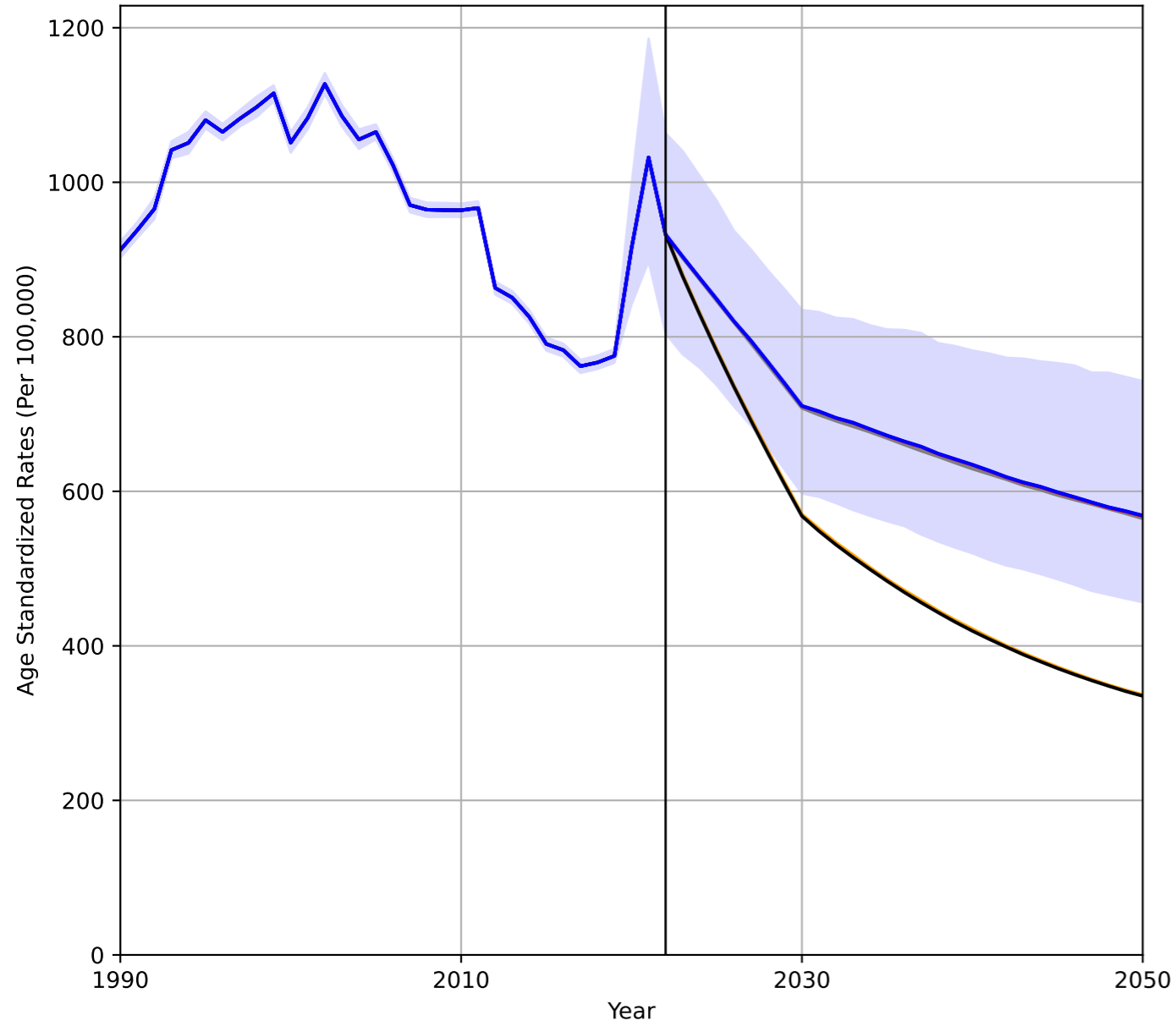
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# Belarus

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

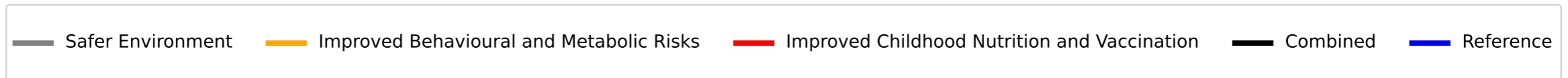
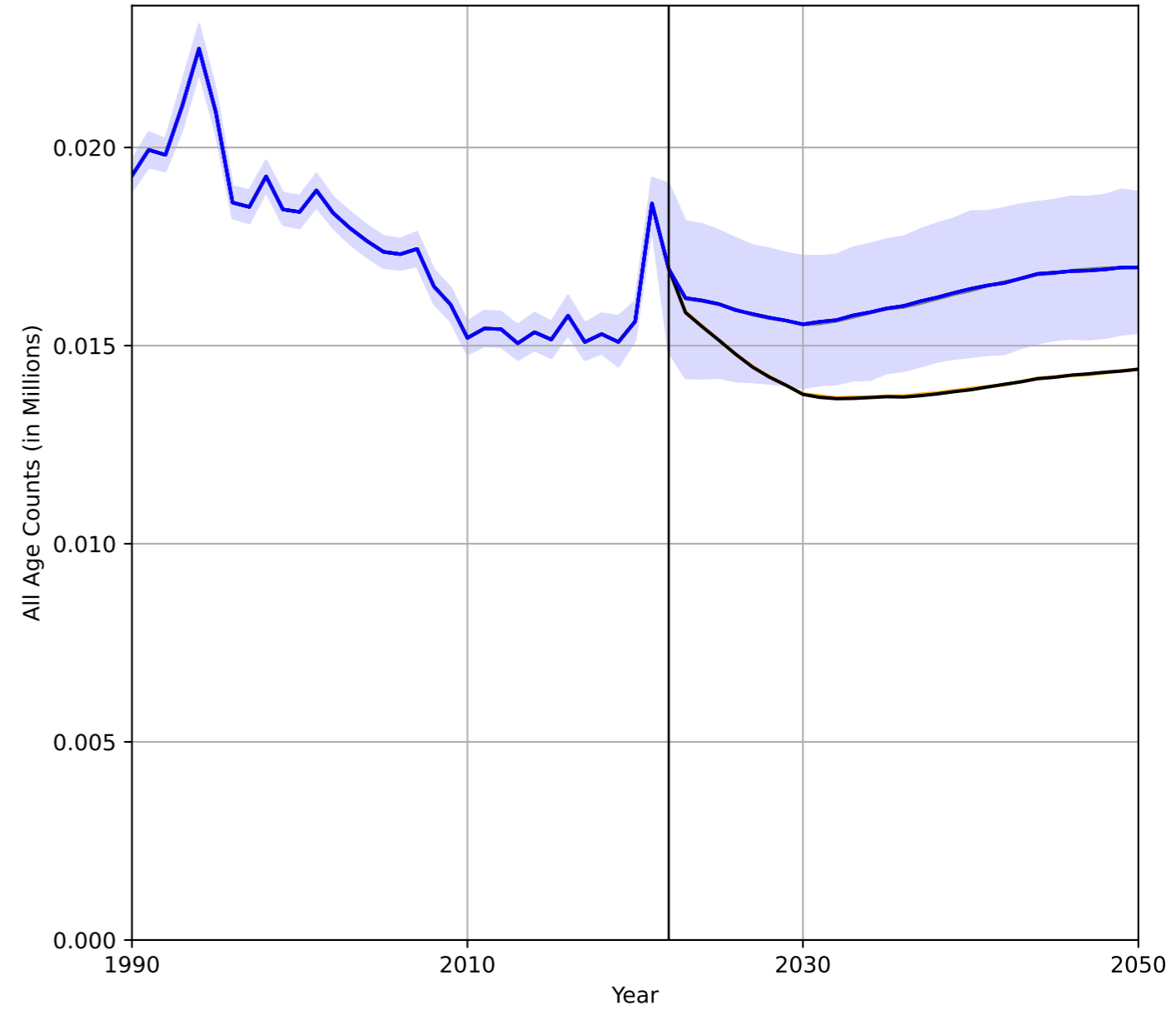
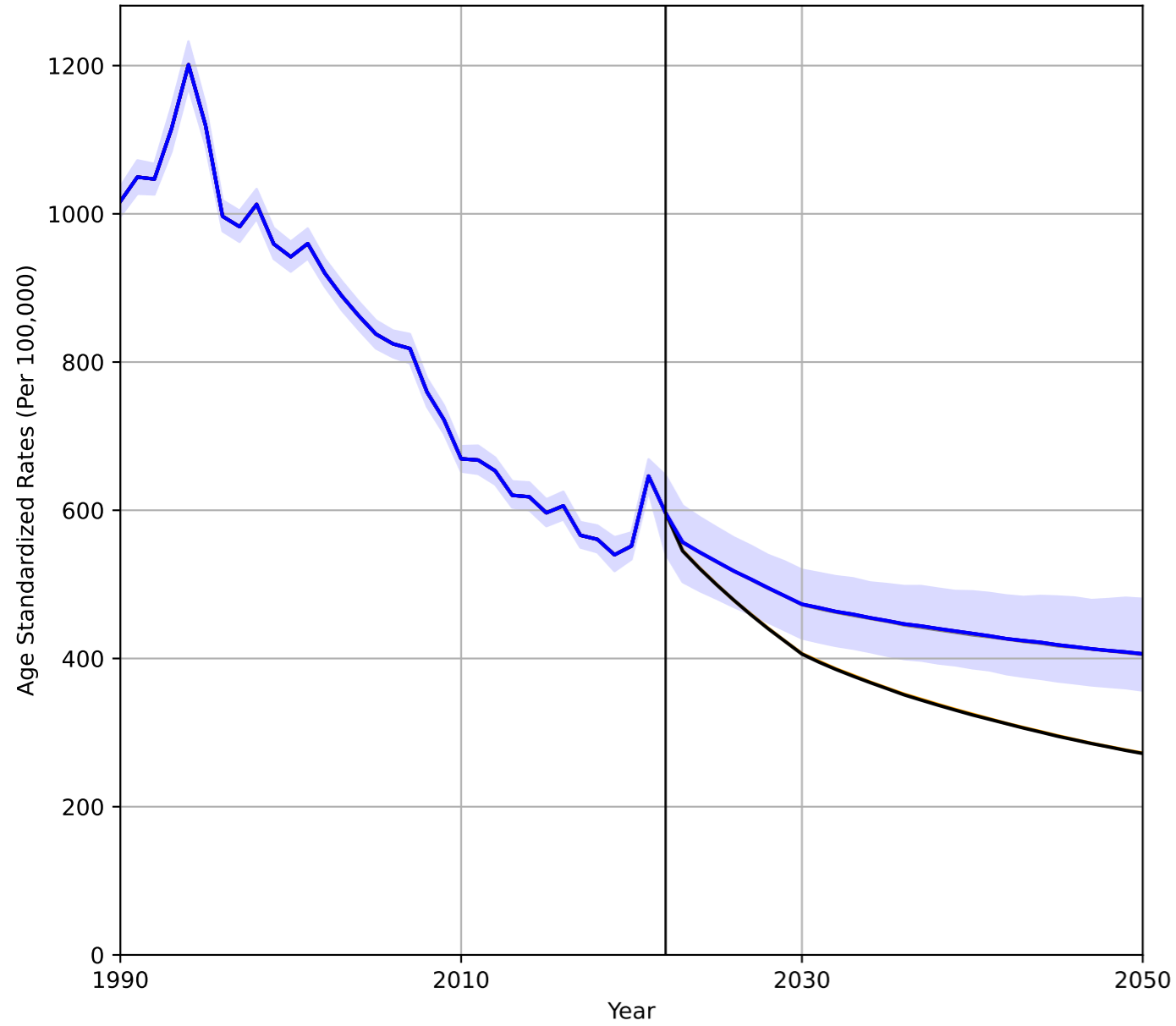
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# Estonia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

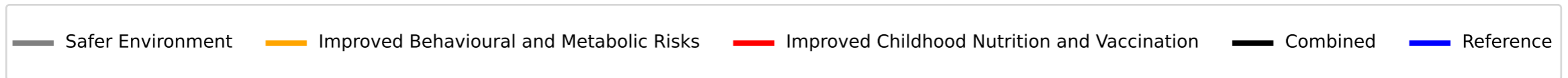
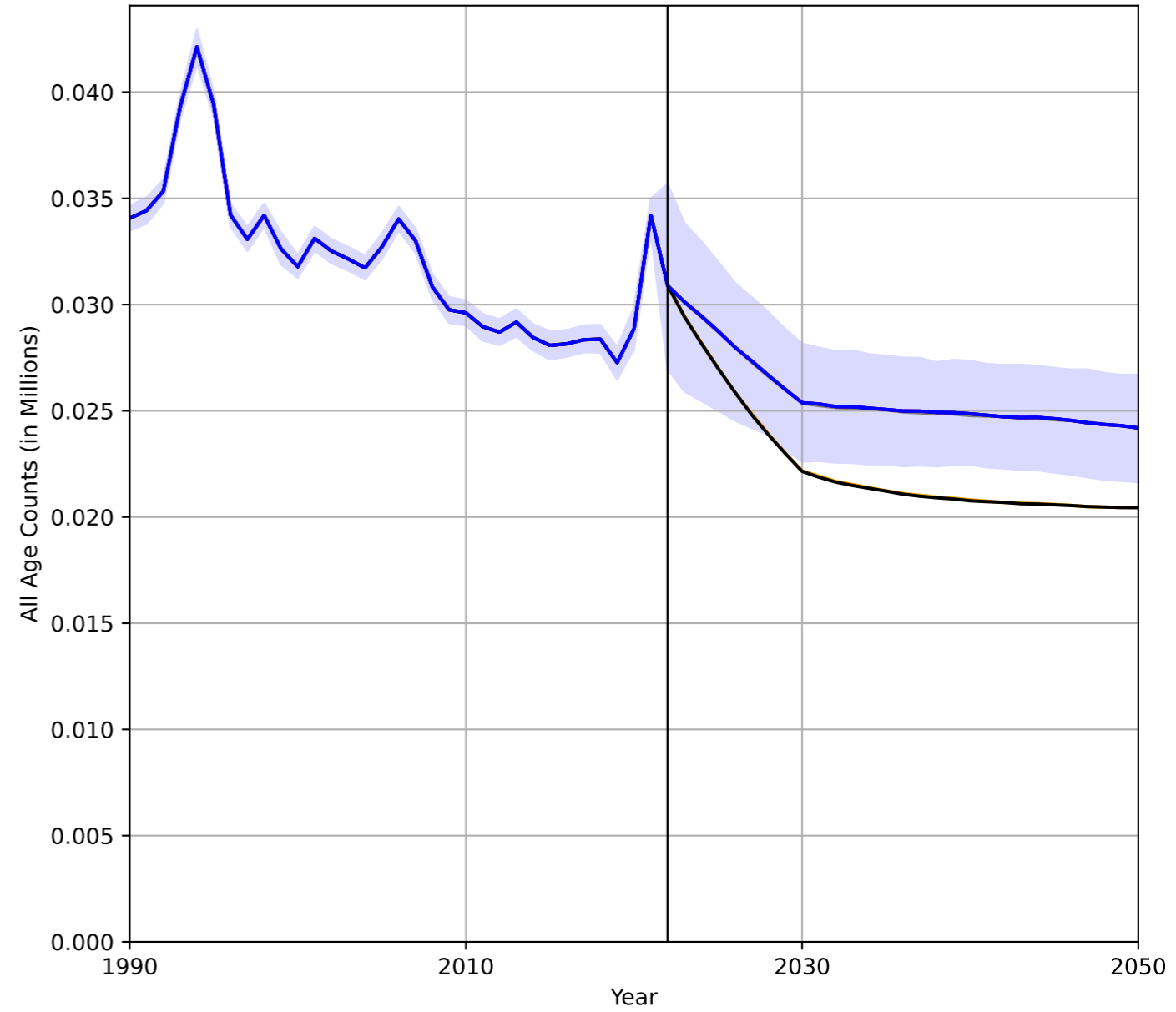
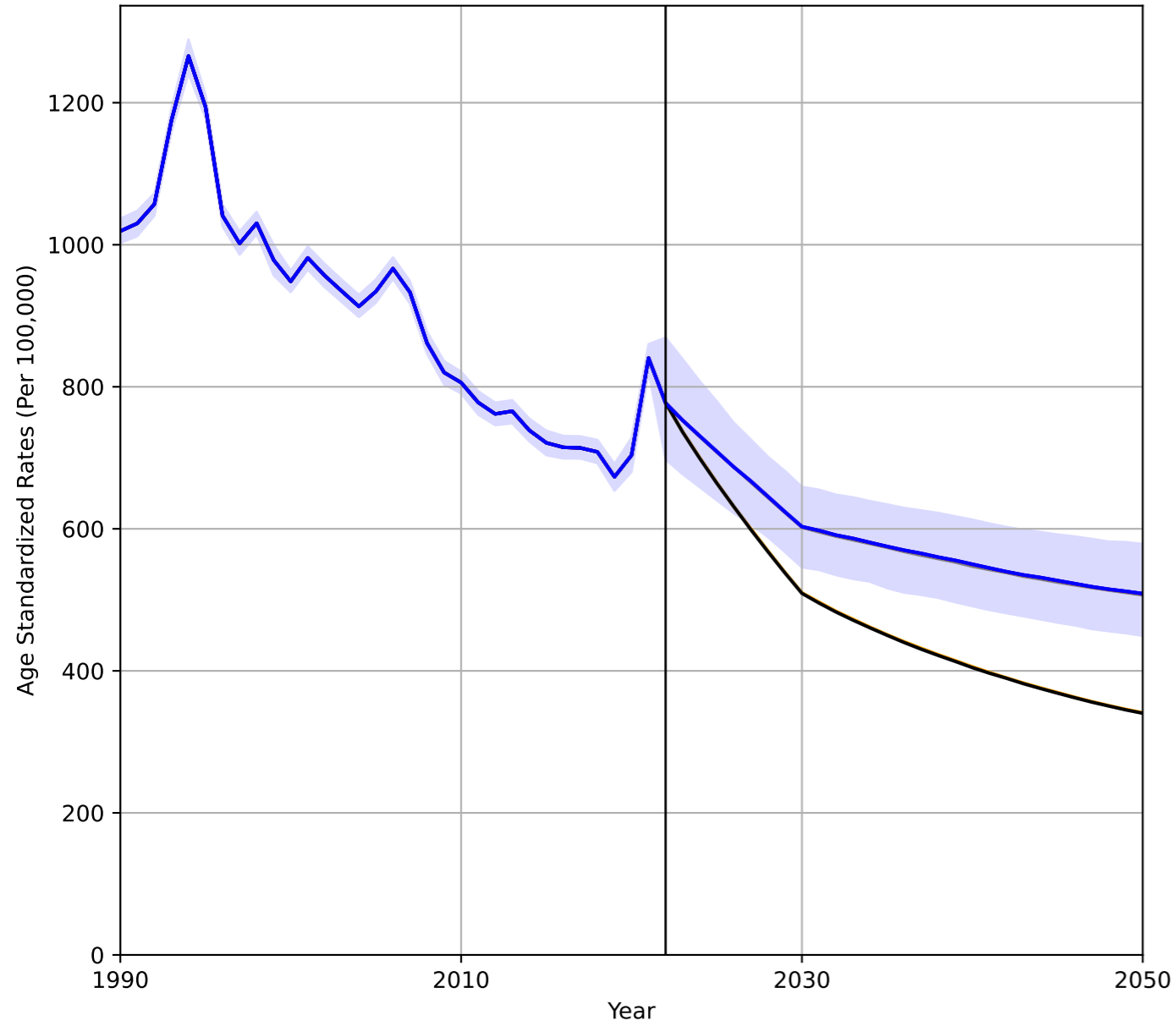
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# Latvia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

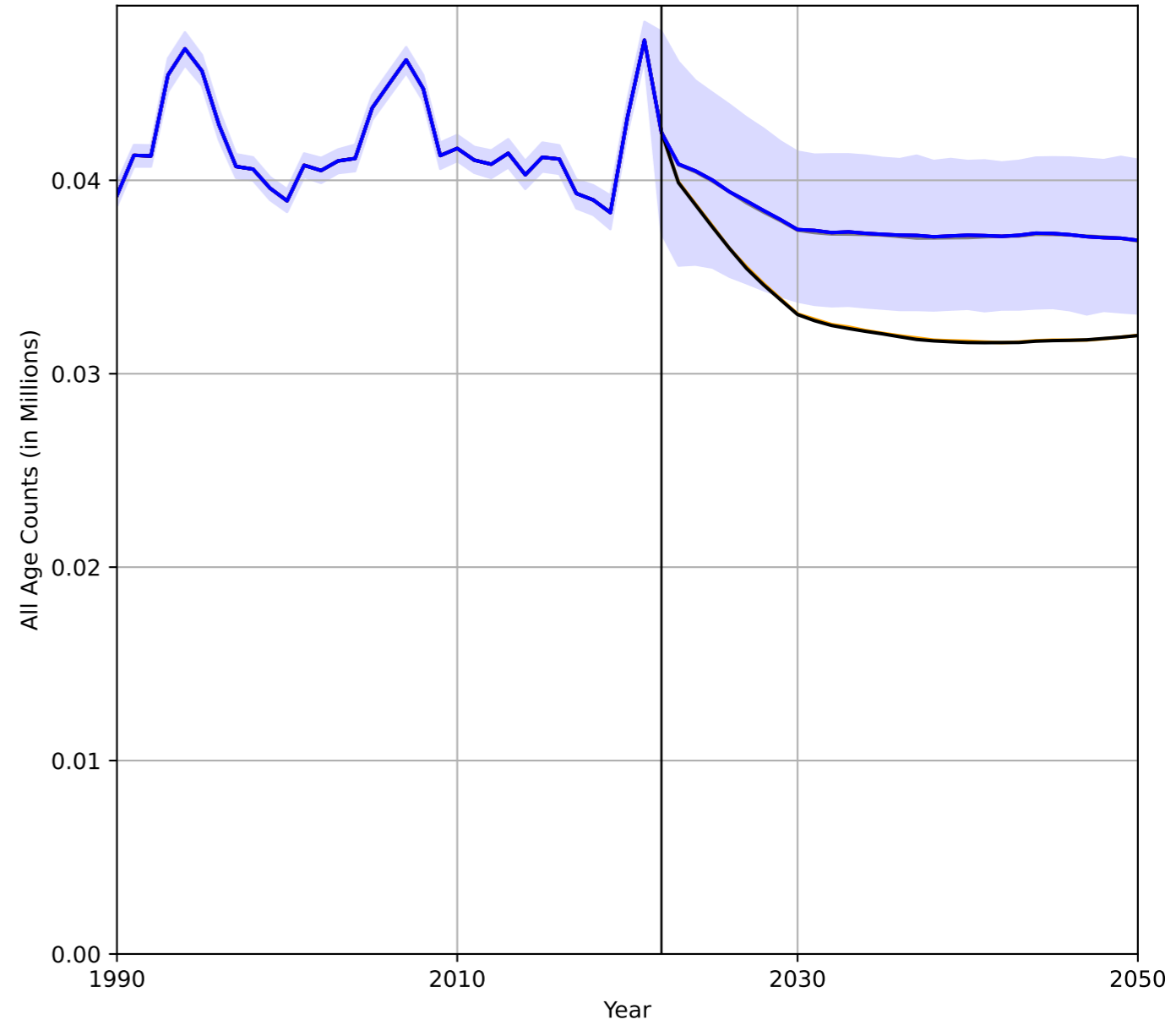
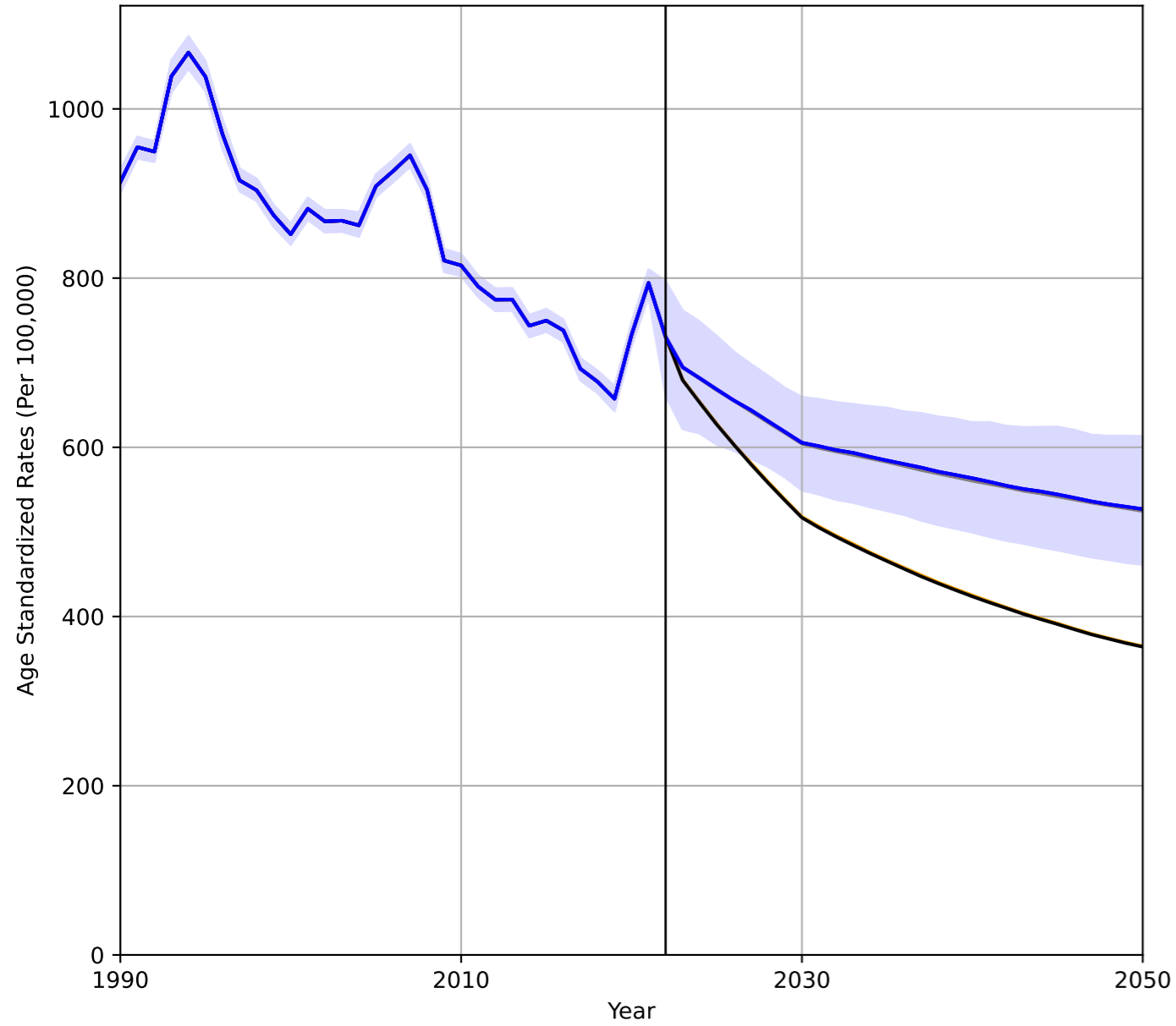
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# Lithuania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

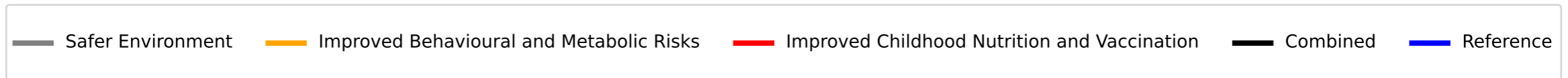
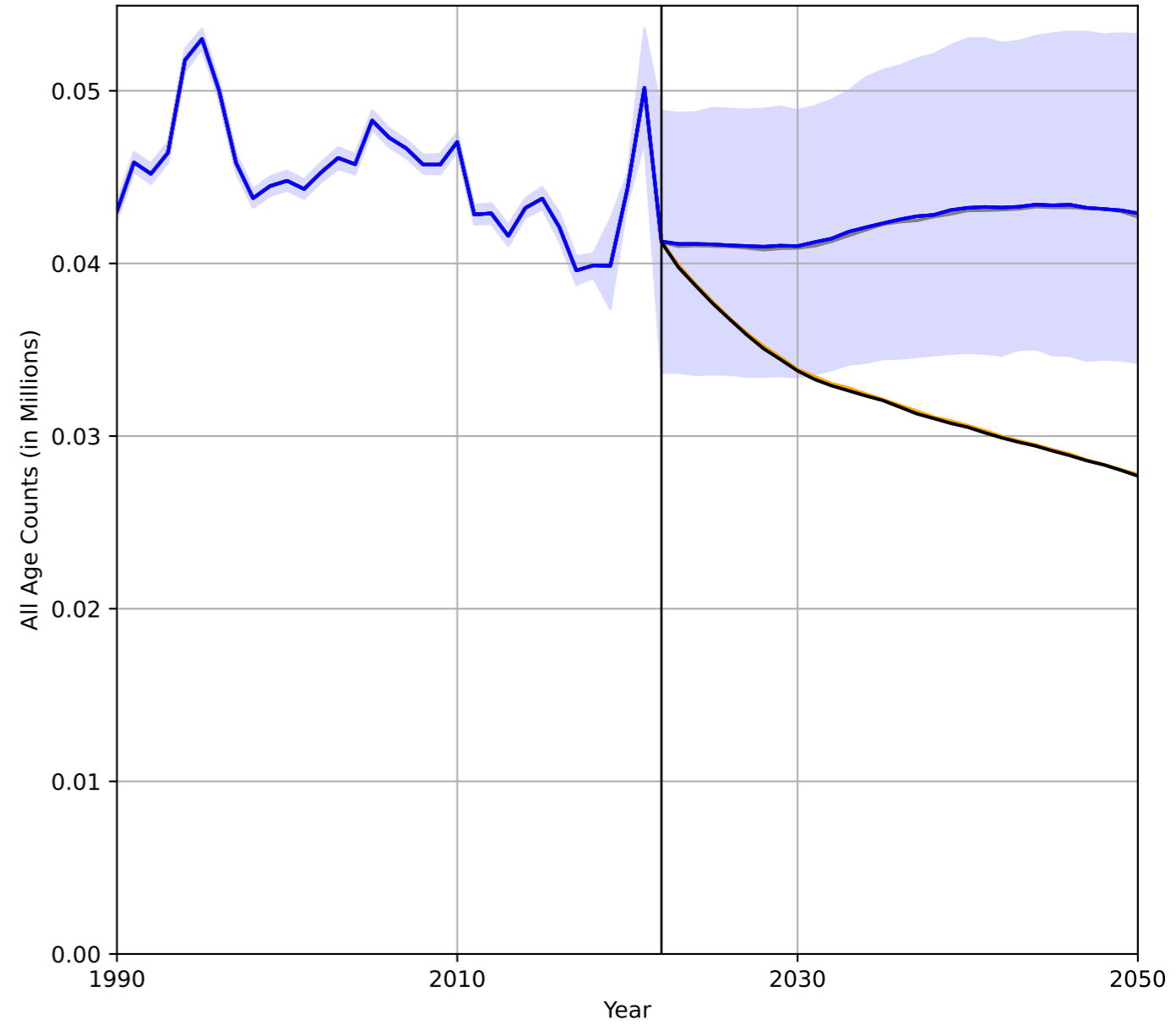
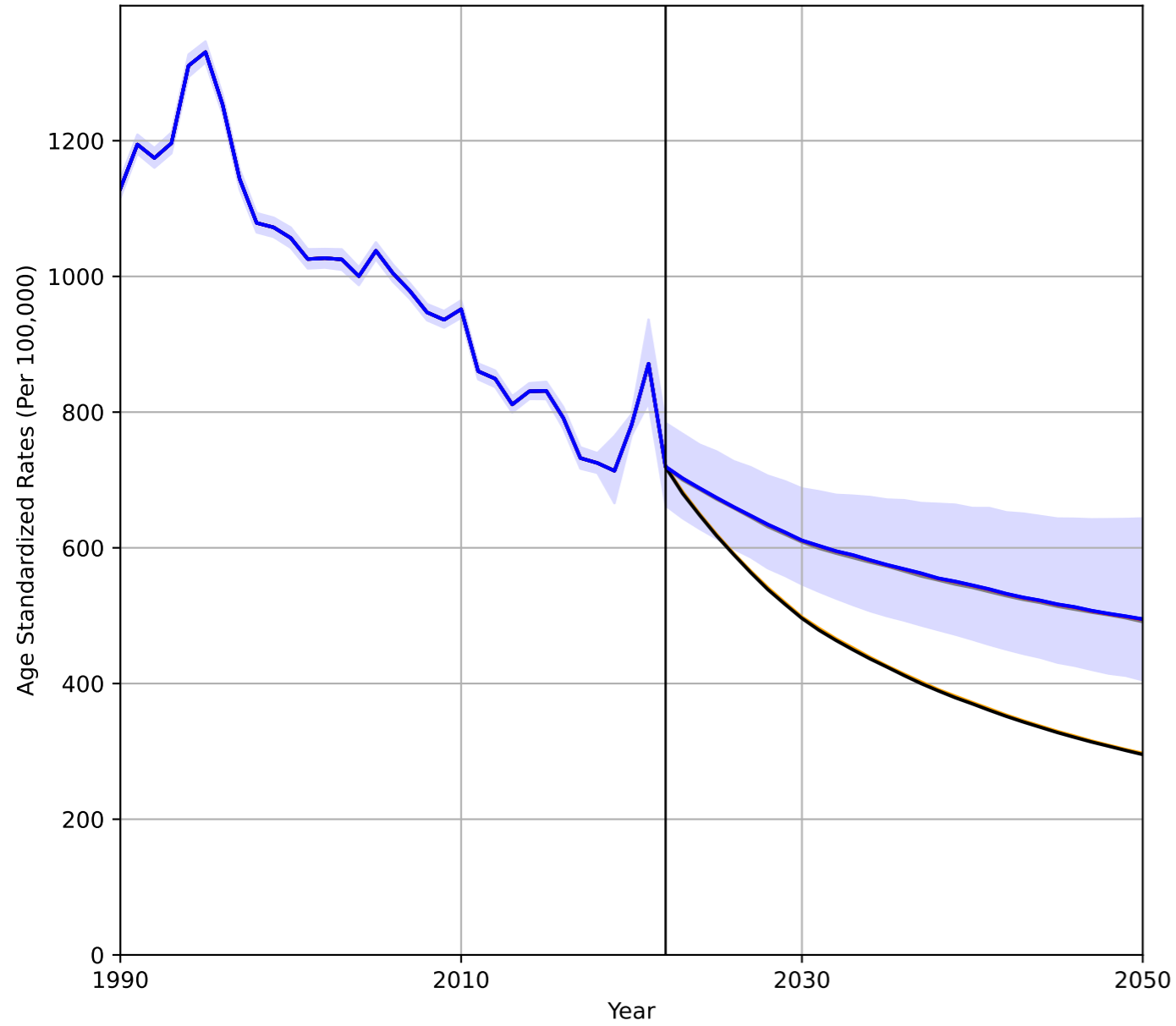
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# Moldova

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

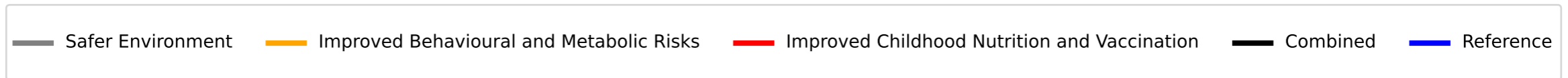
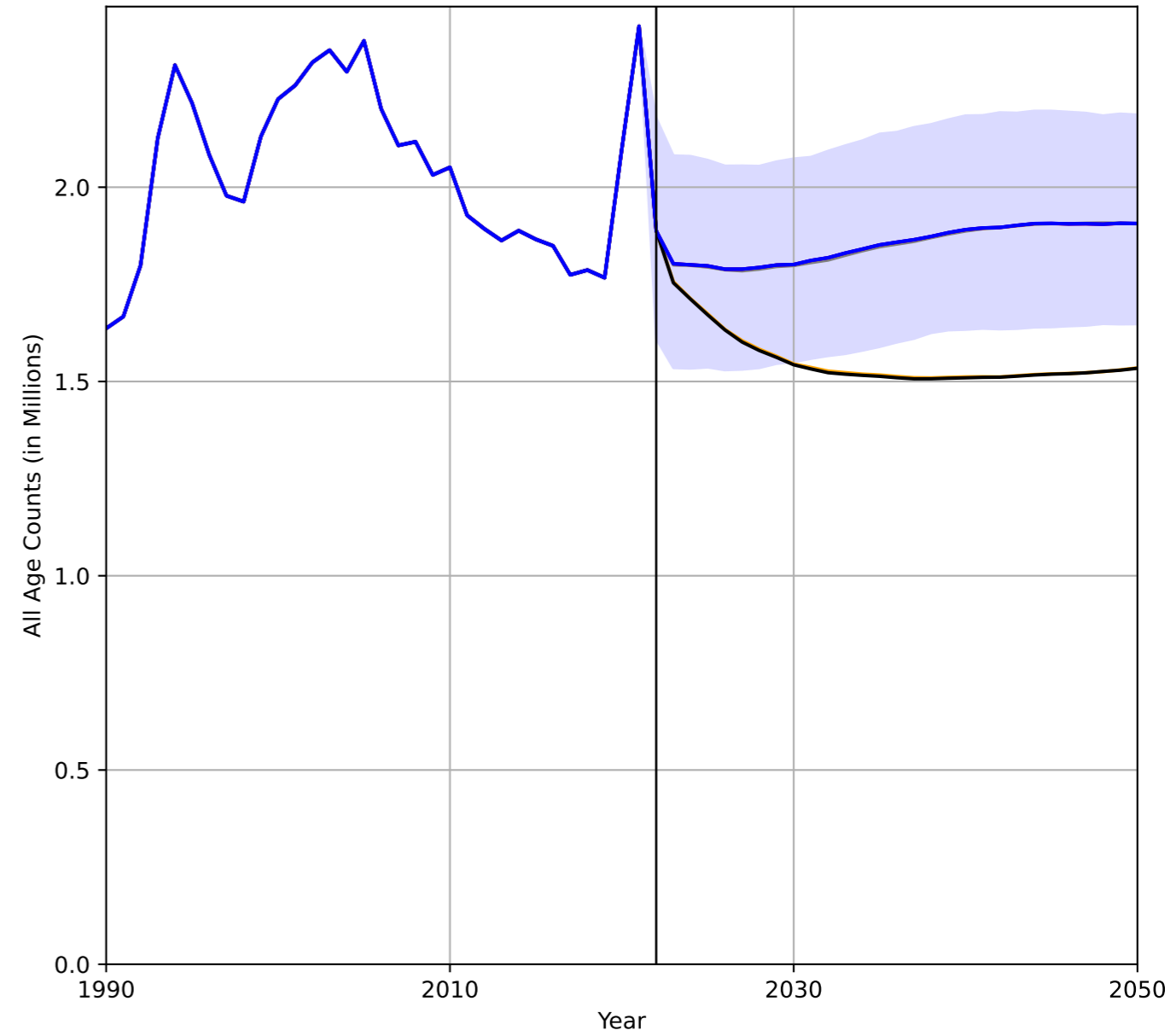
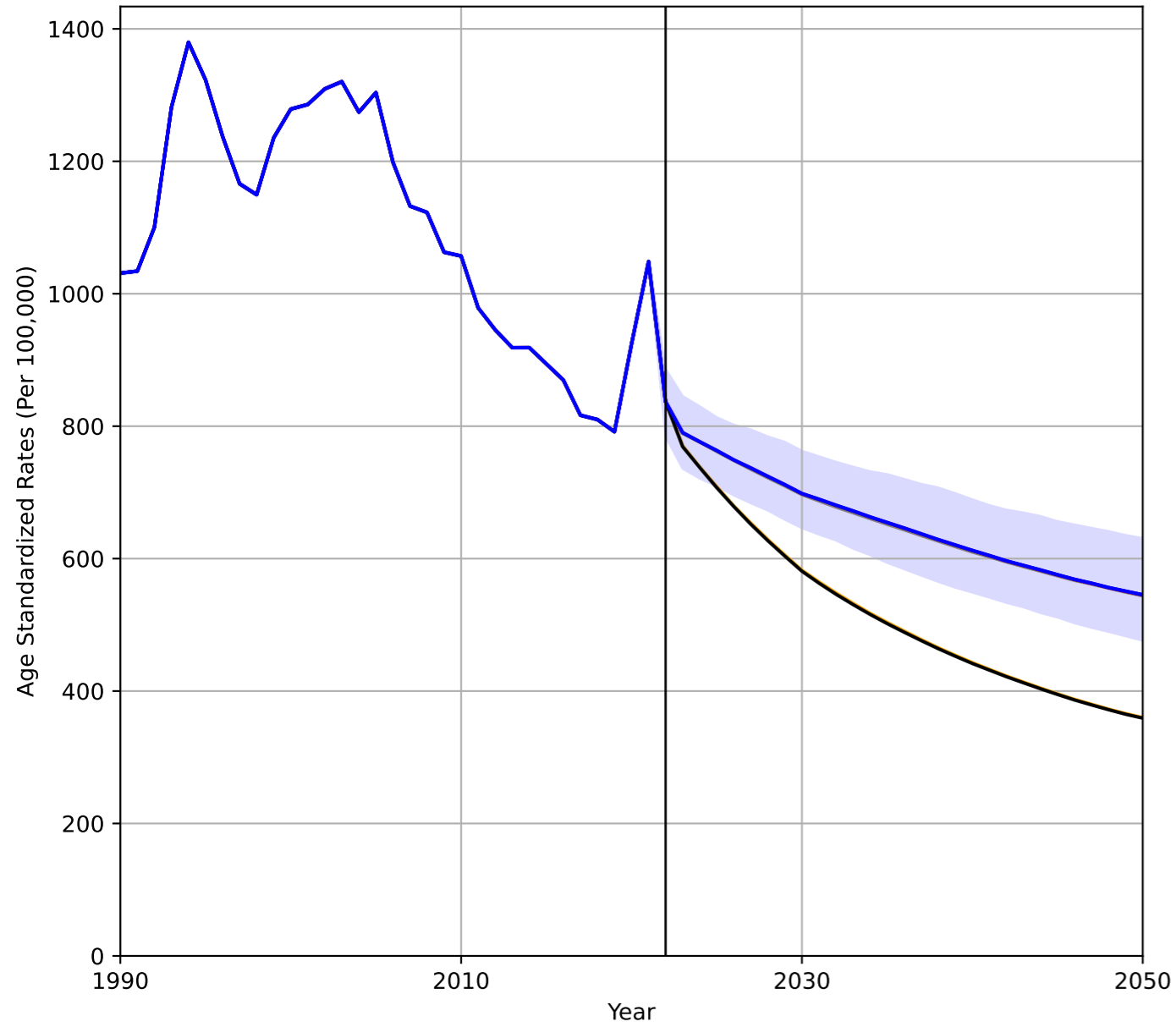
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# Russia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1671

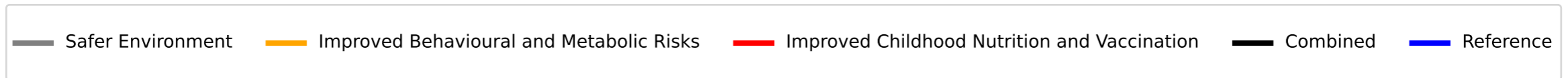
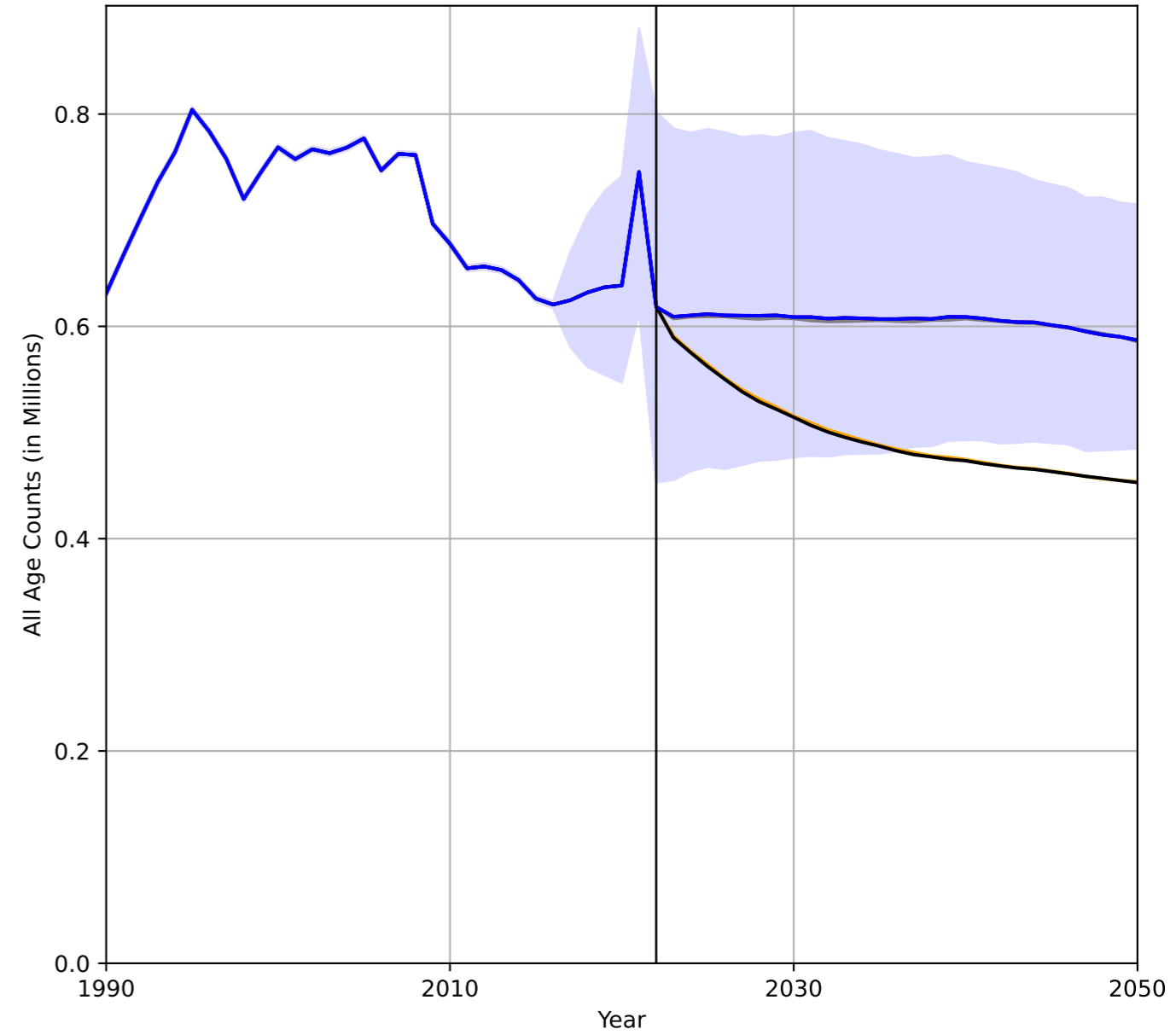
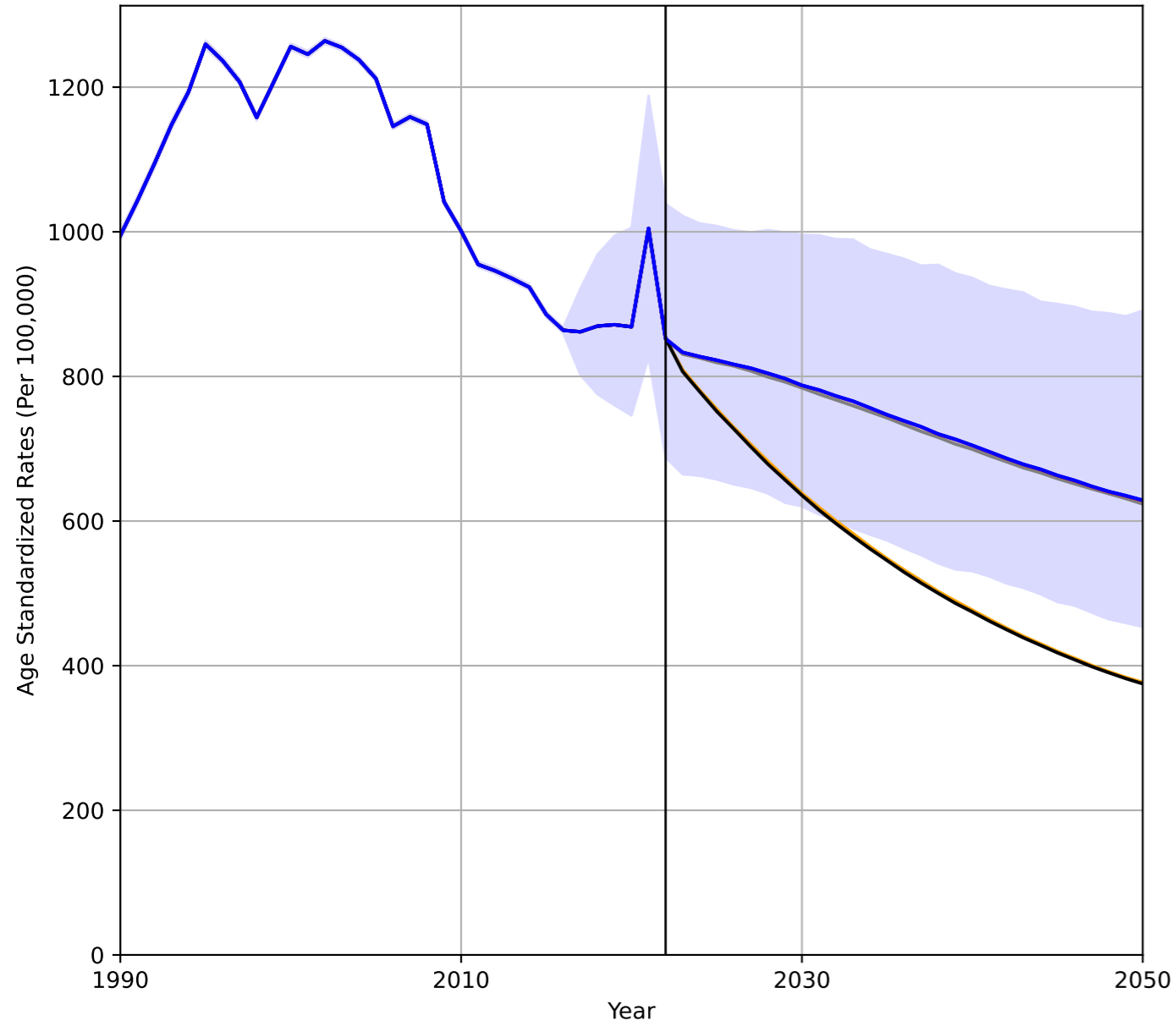




# Ukraine

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

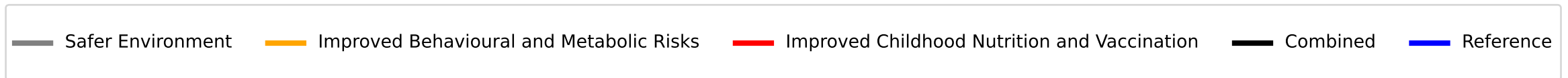
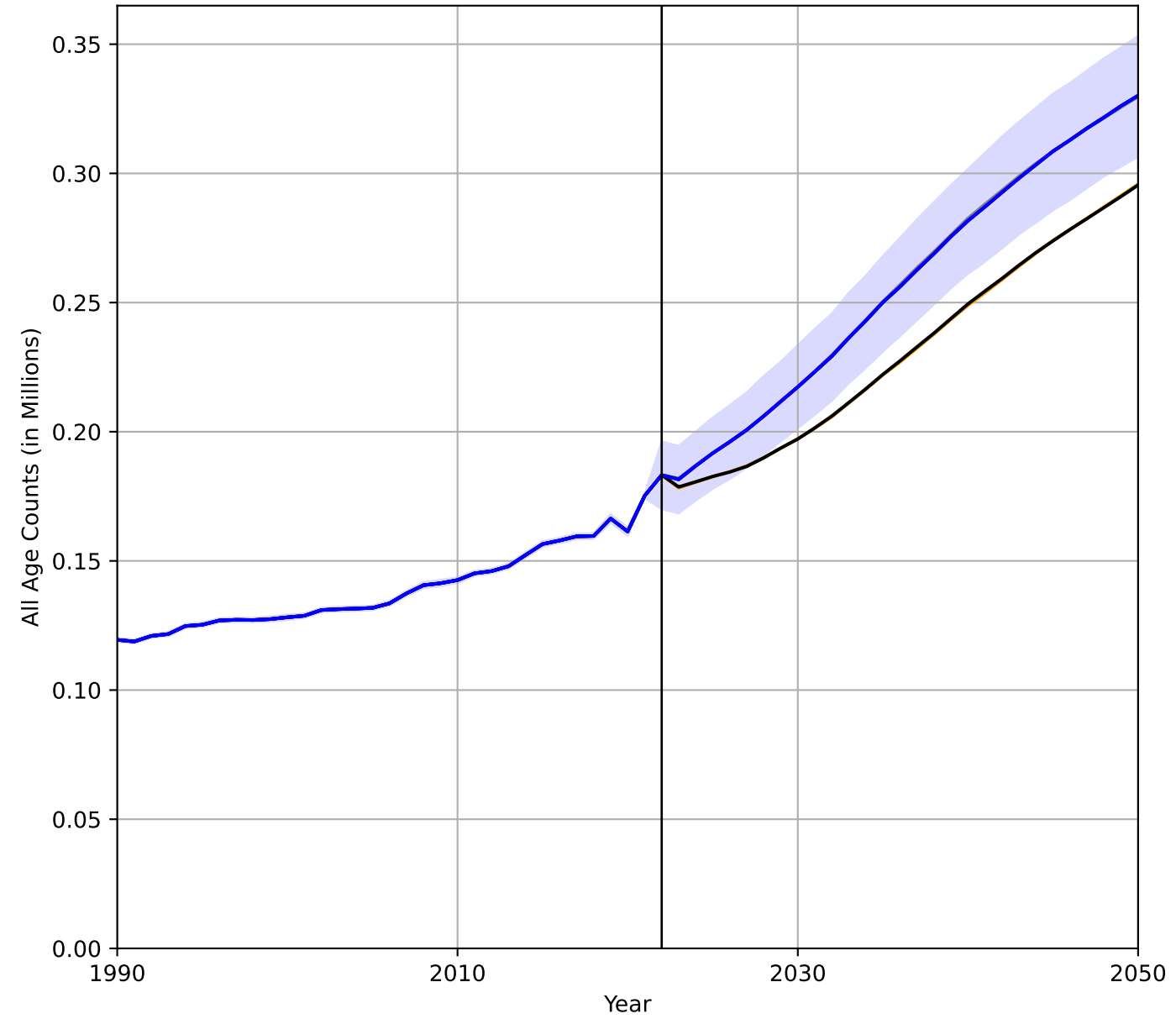
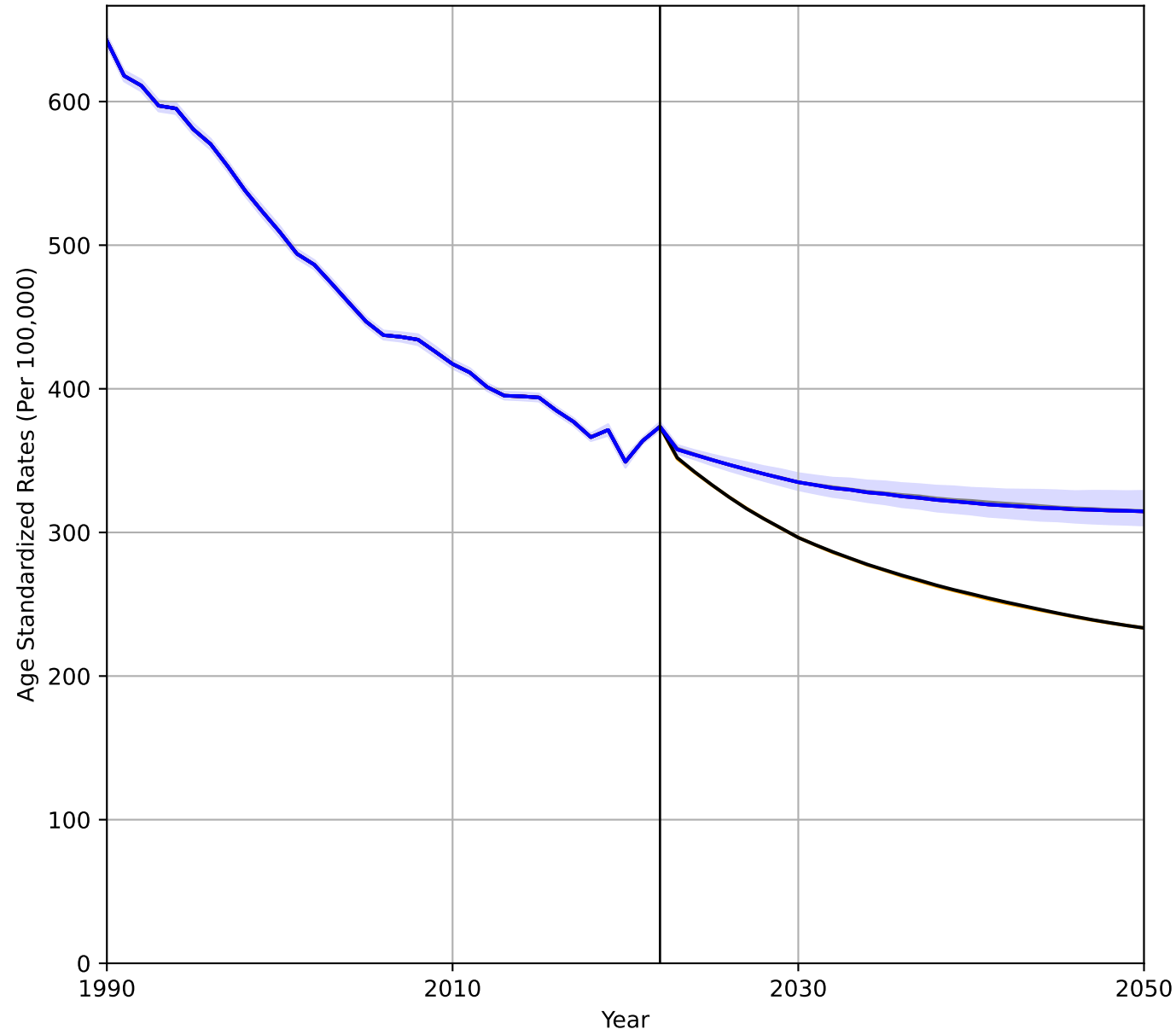
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# Australia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

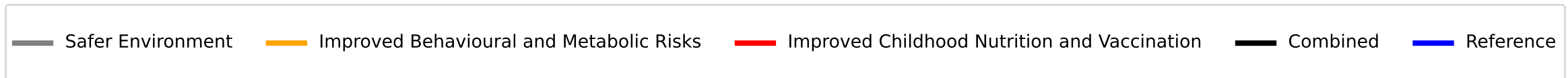
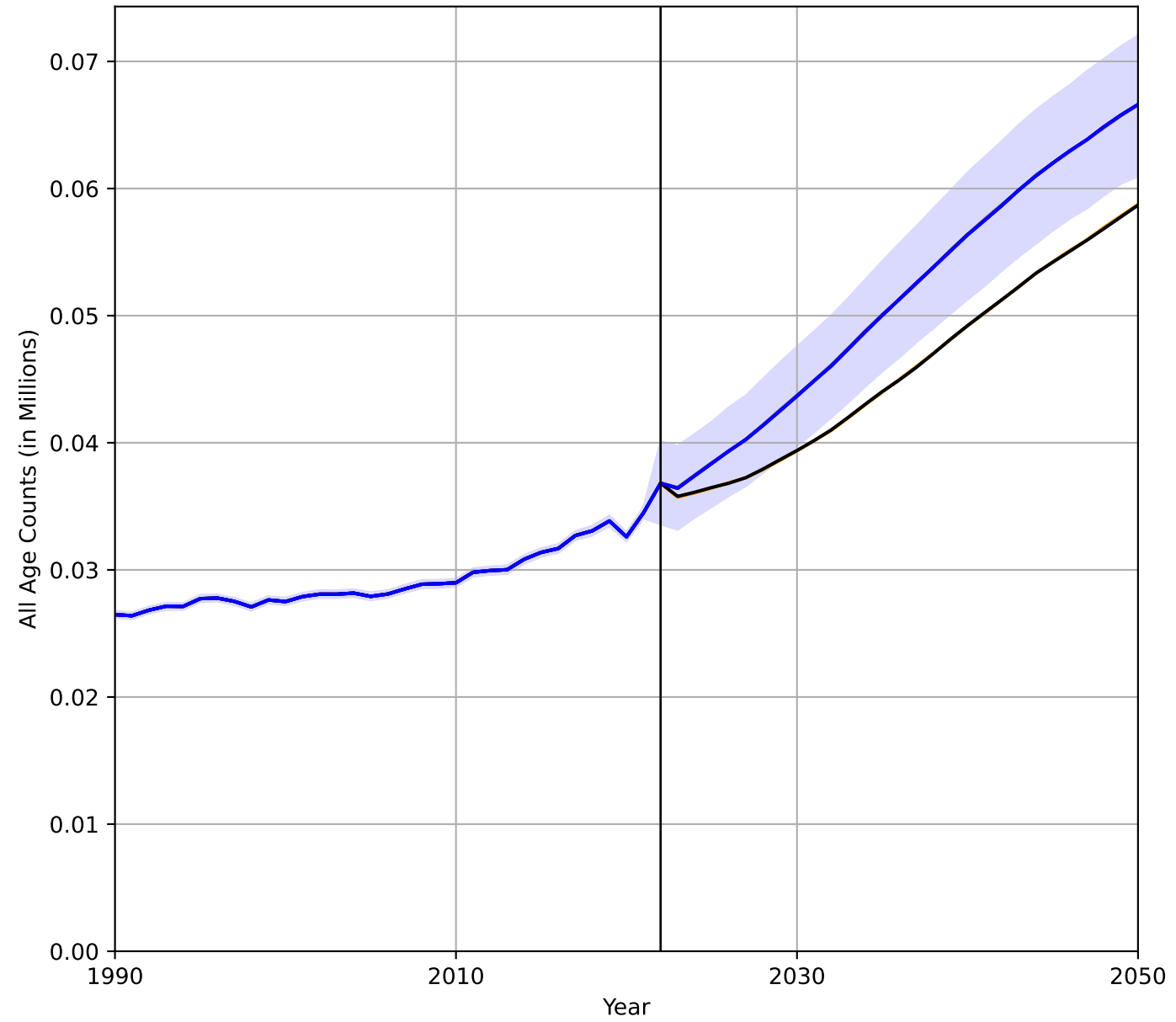
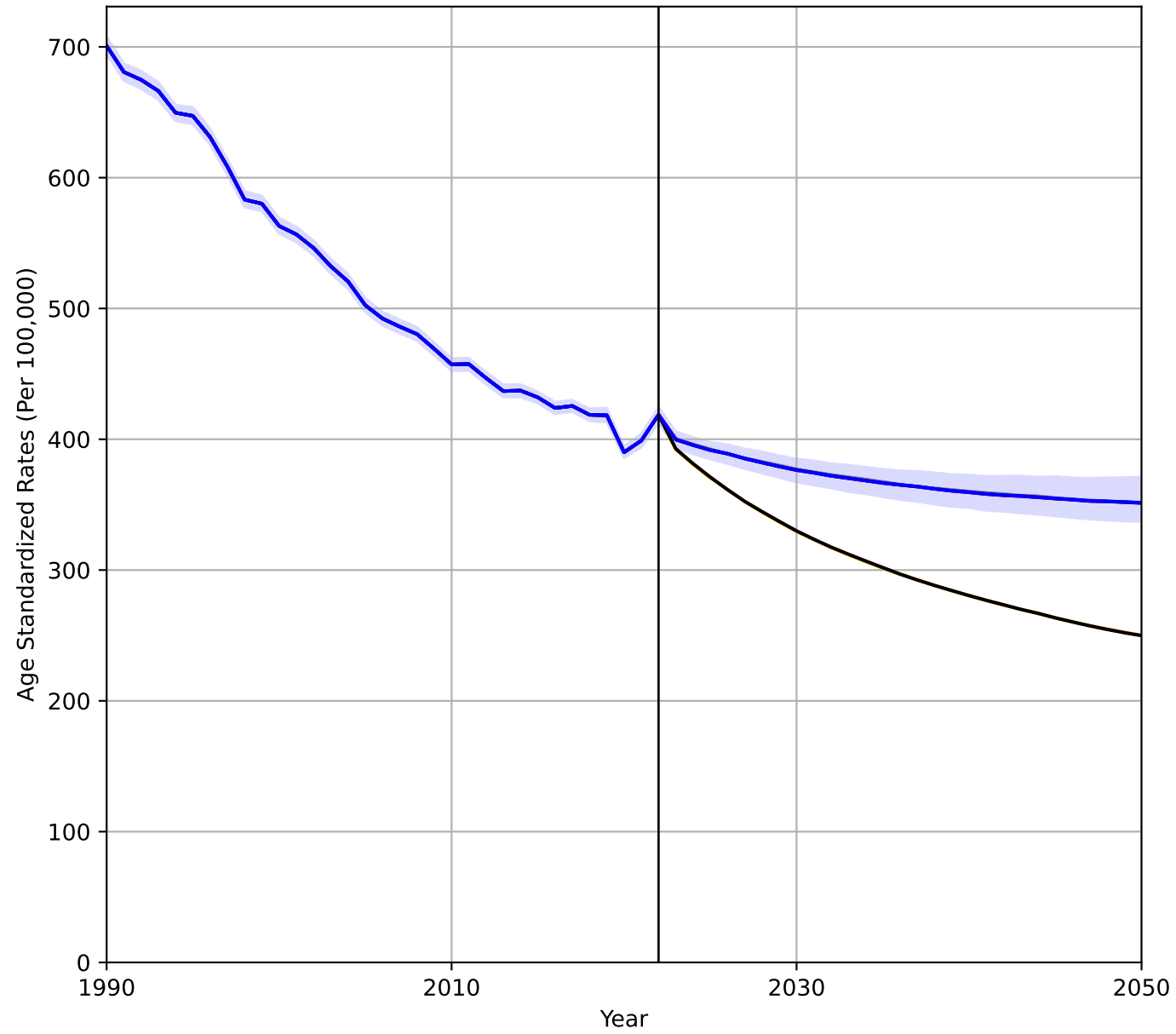
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# New Zealand

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

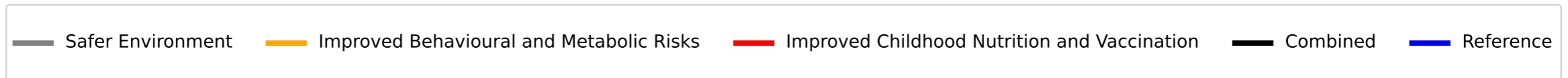
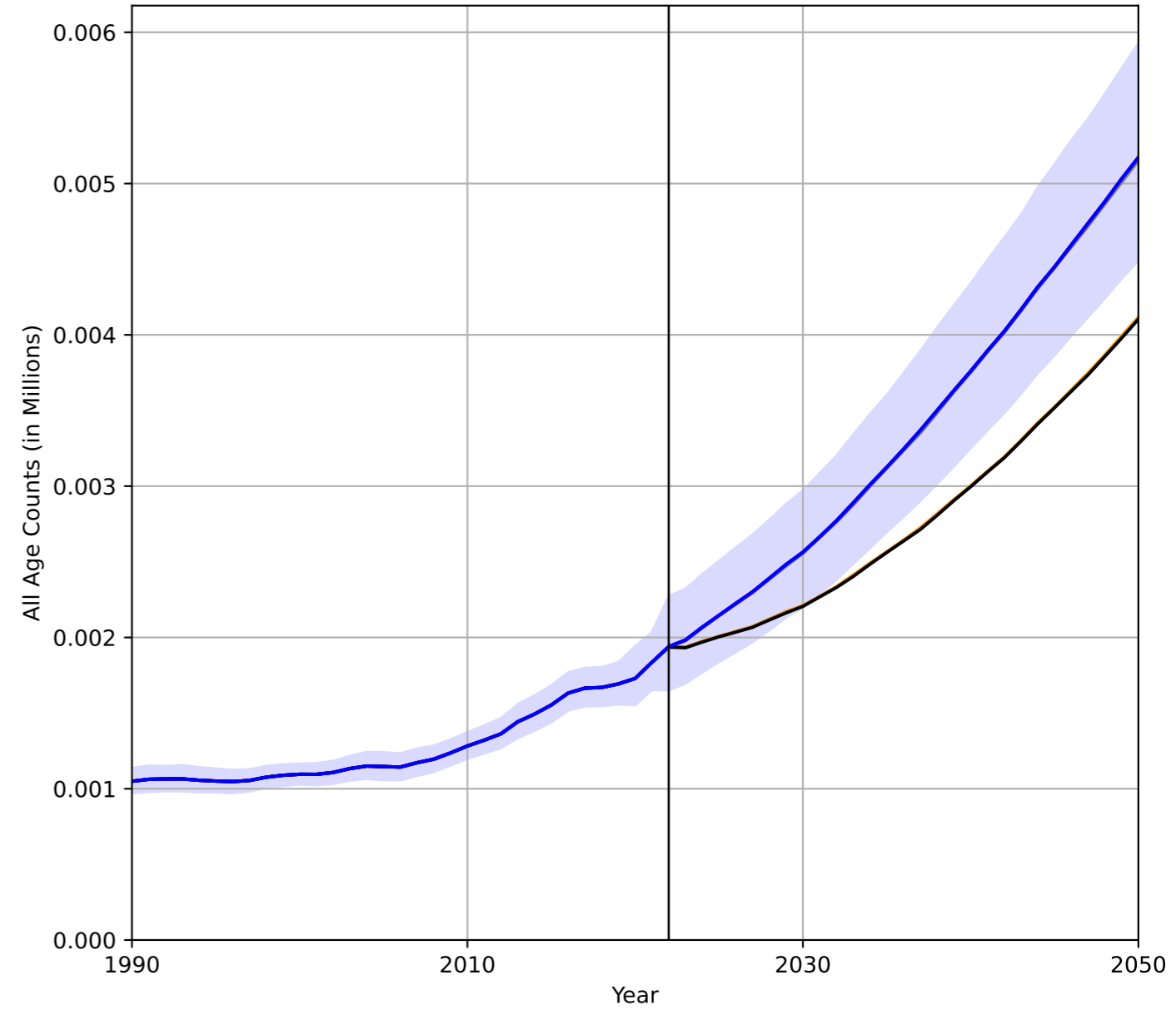
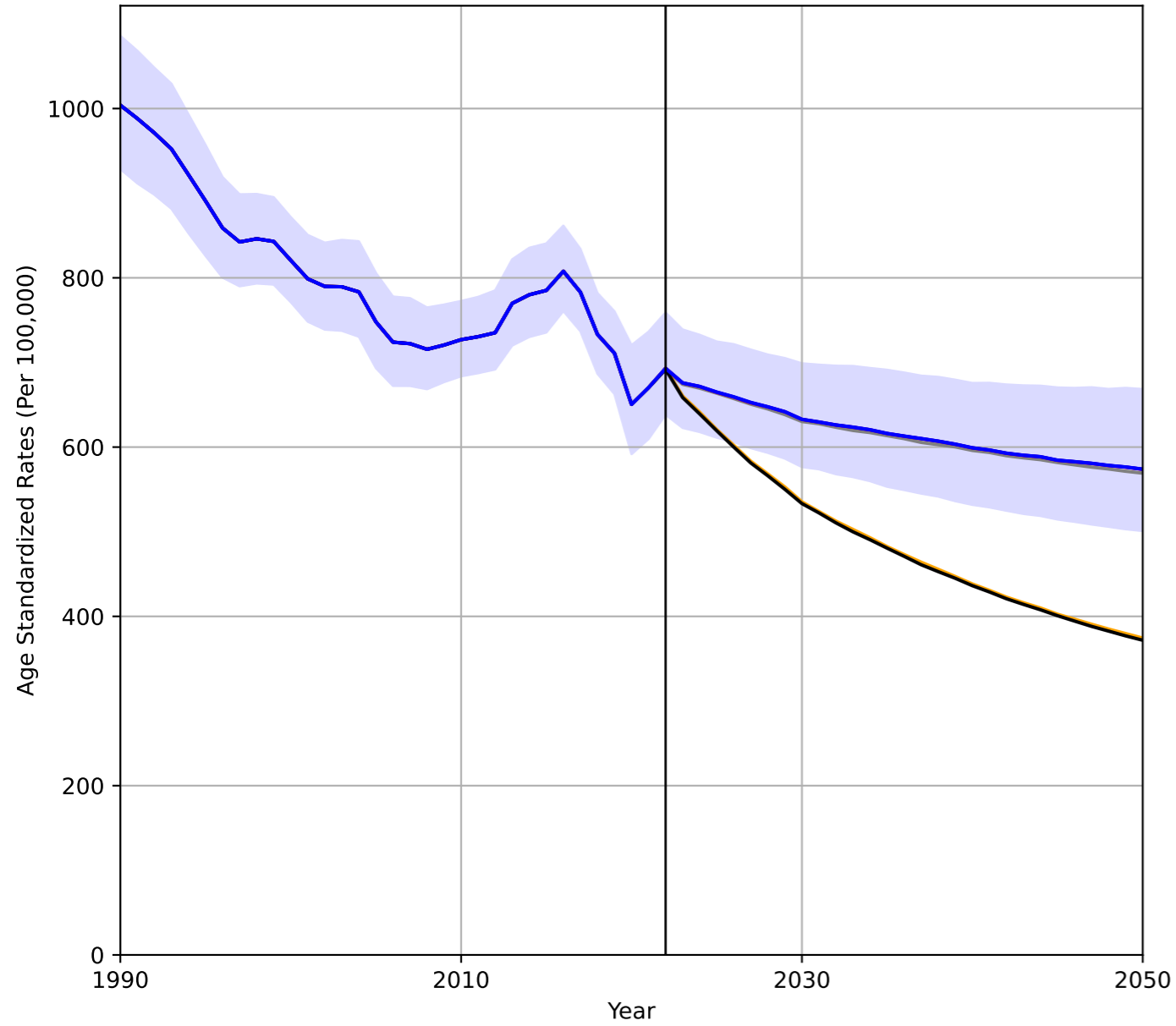
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# Brunei

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

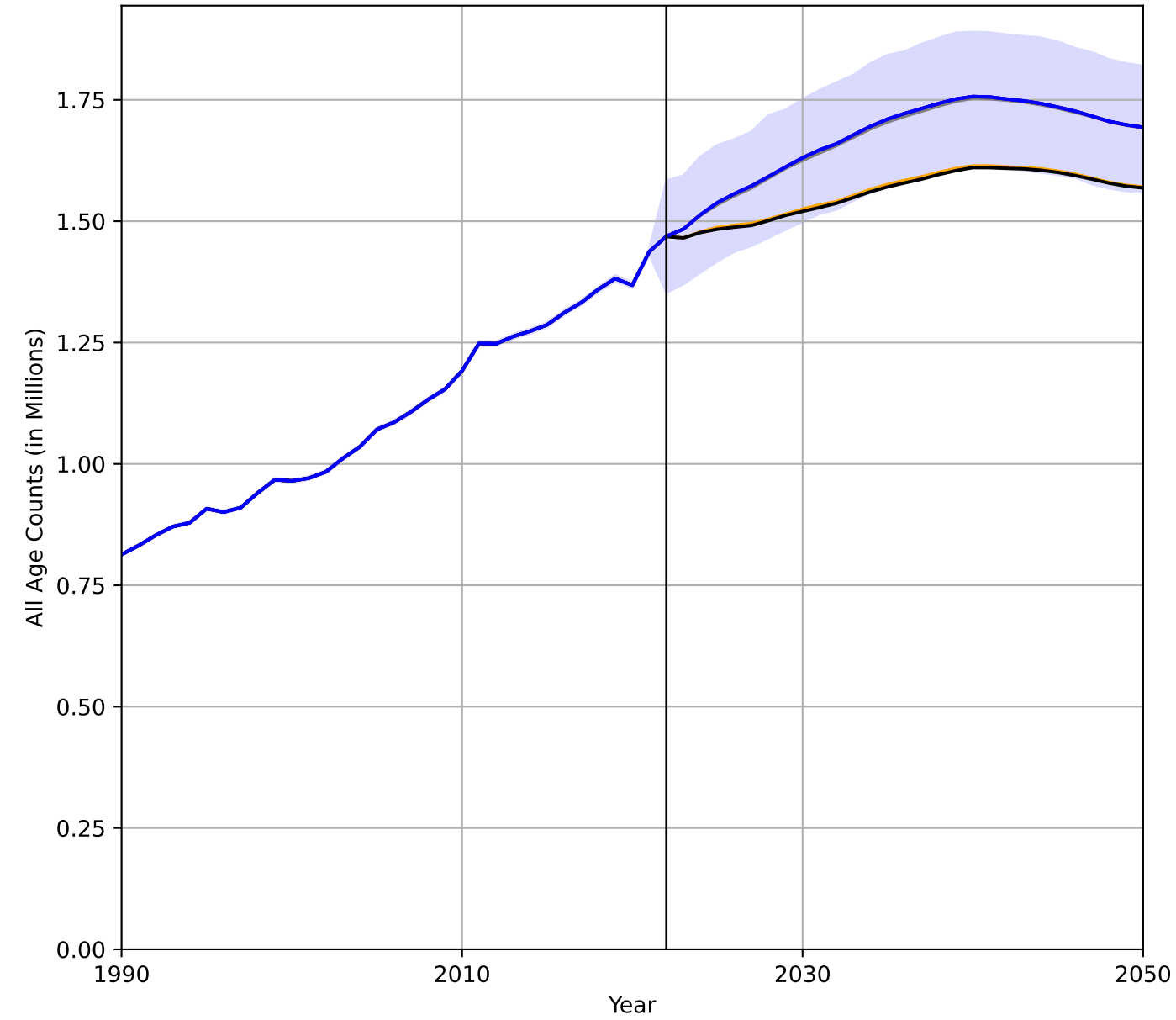
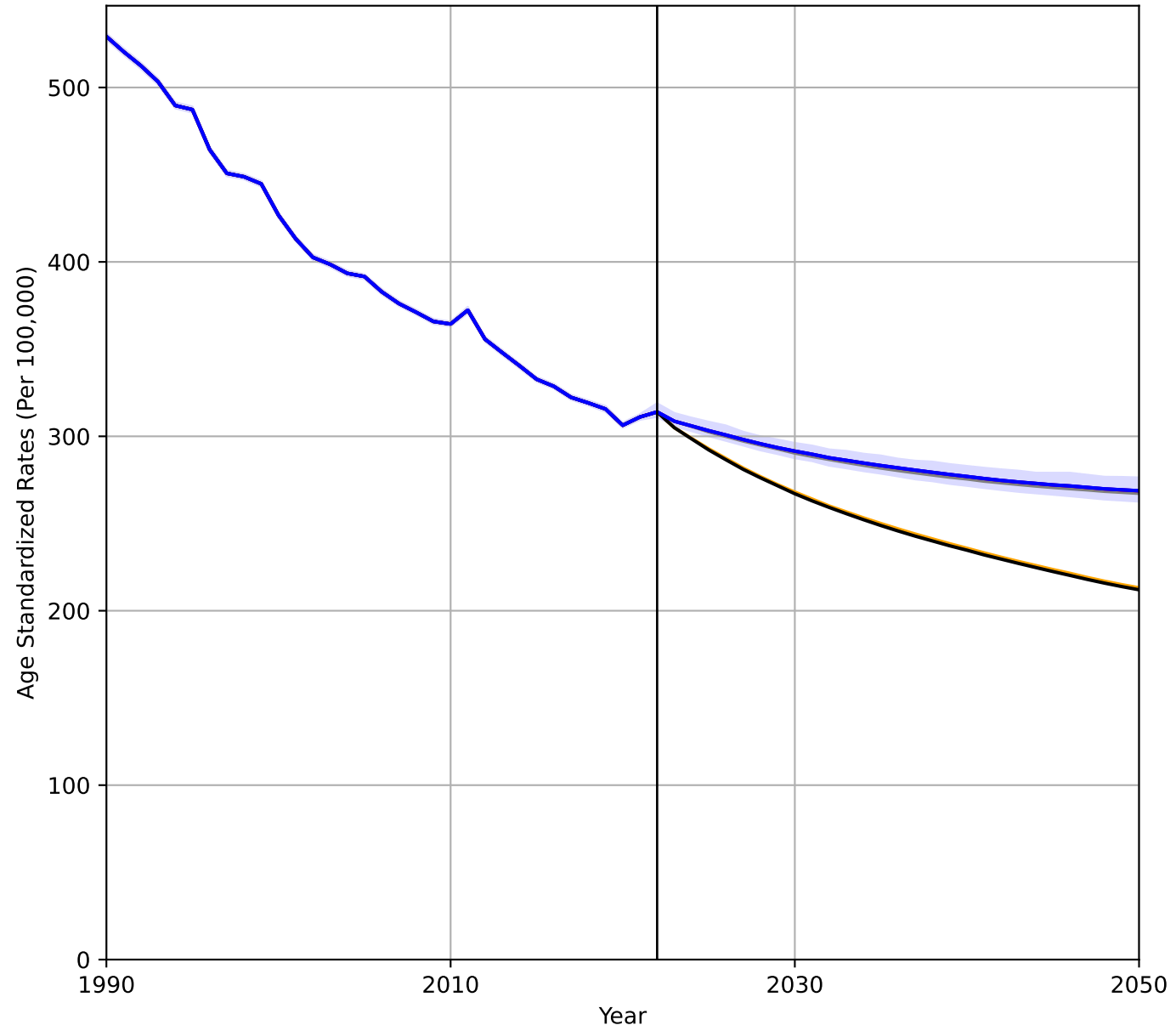
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# Japan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

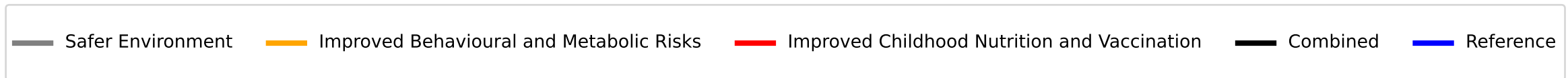
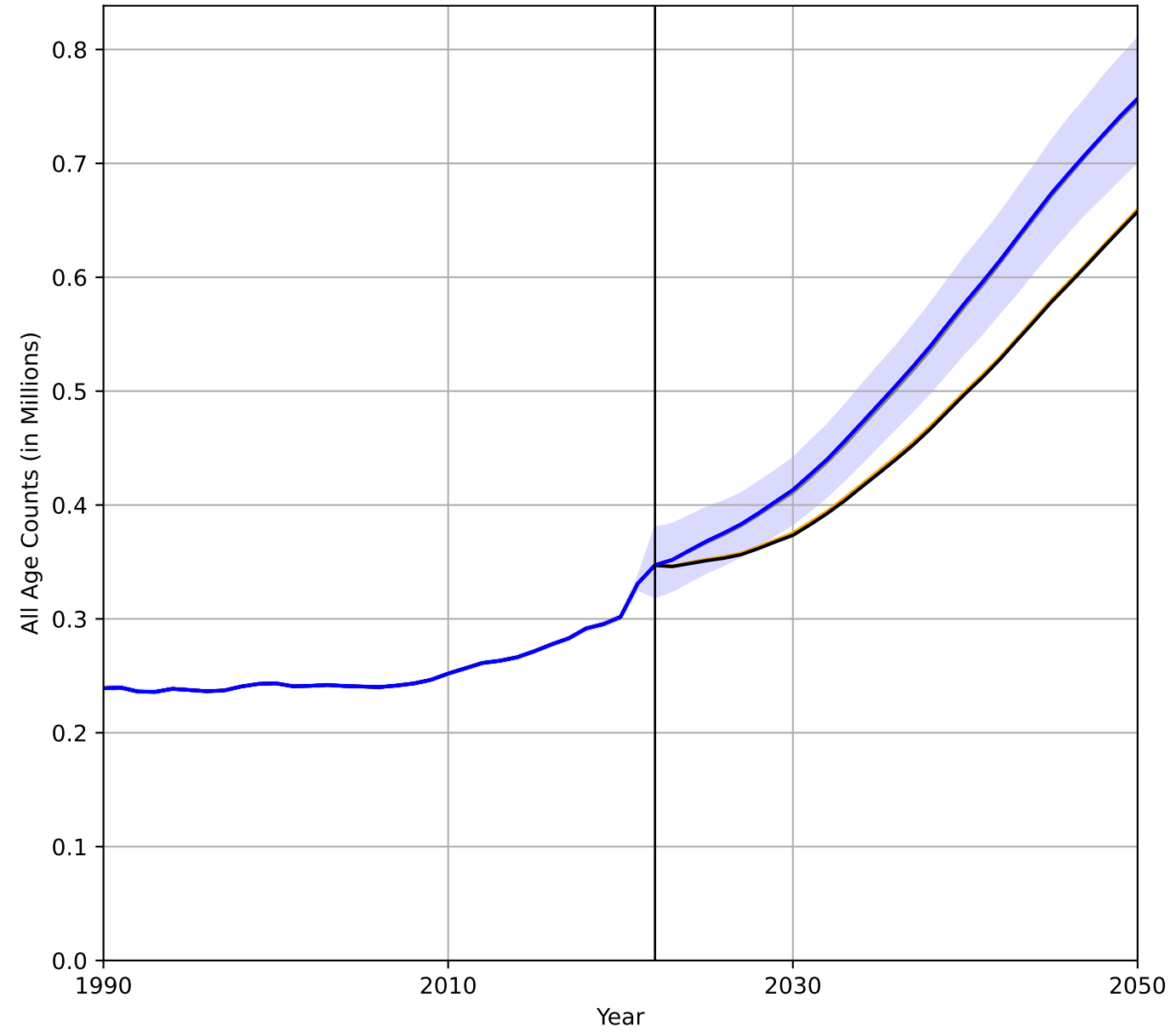
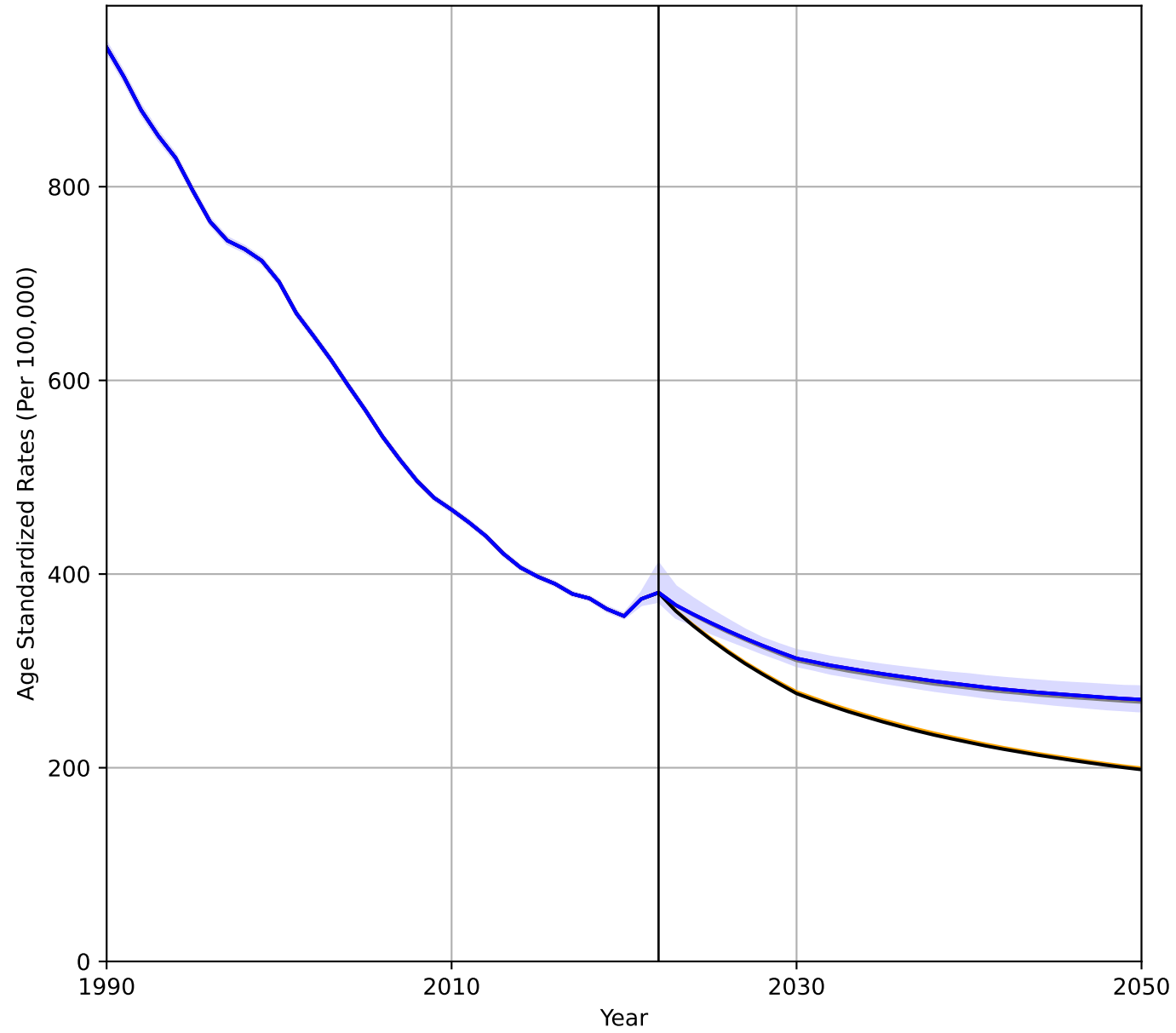
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# South Korea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

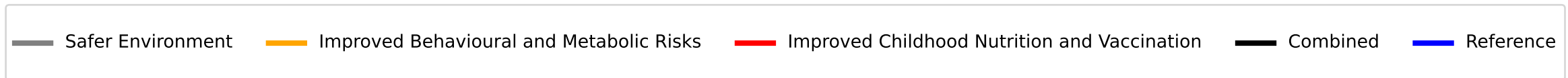
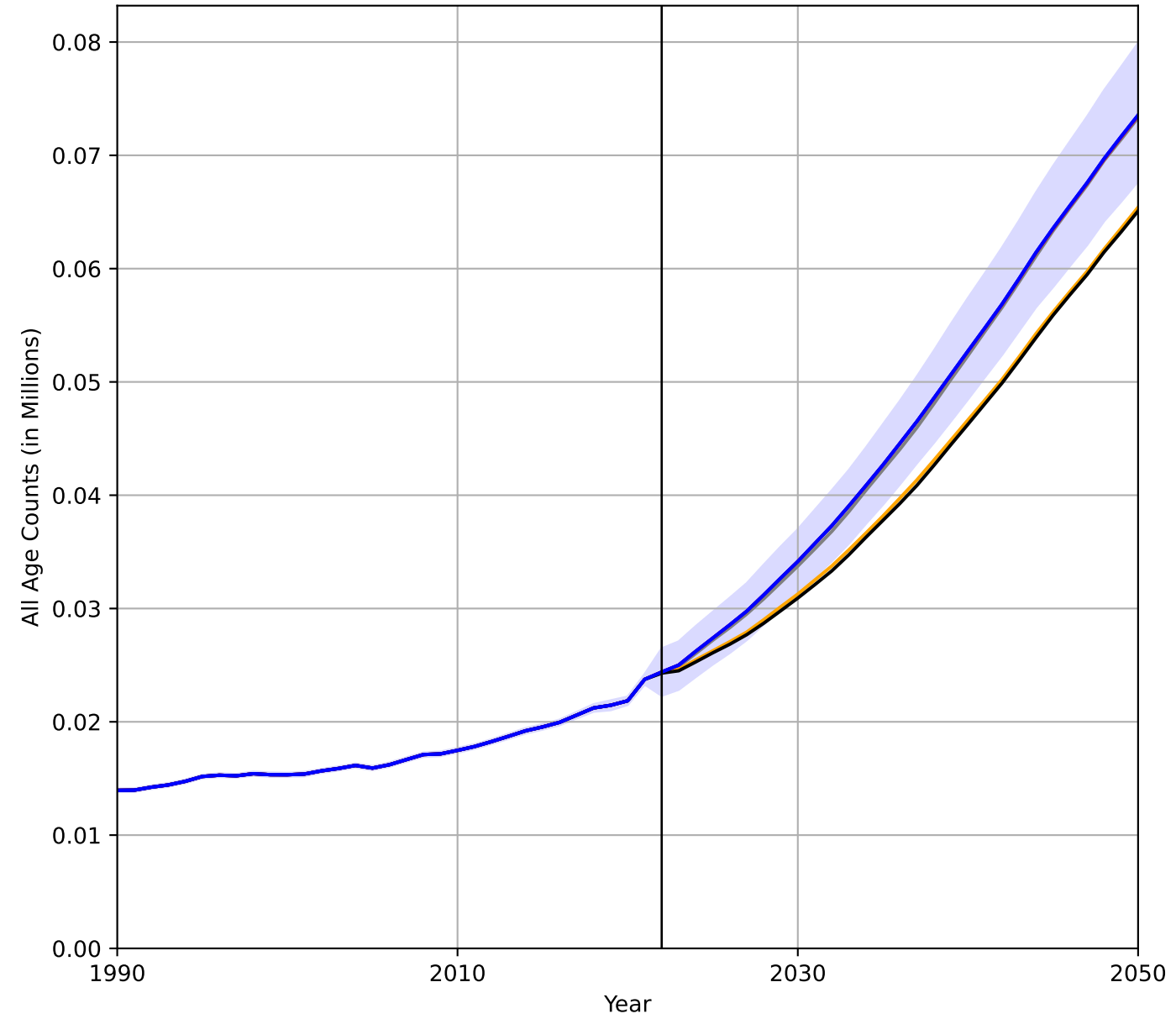
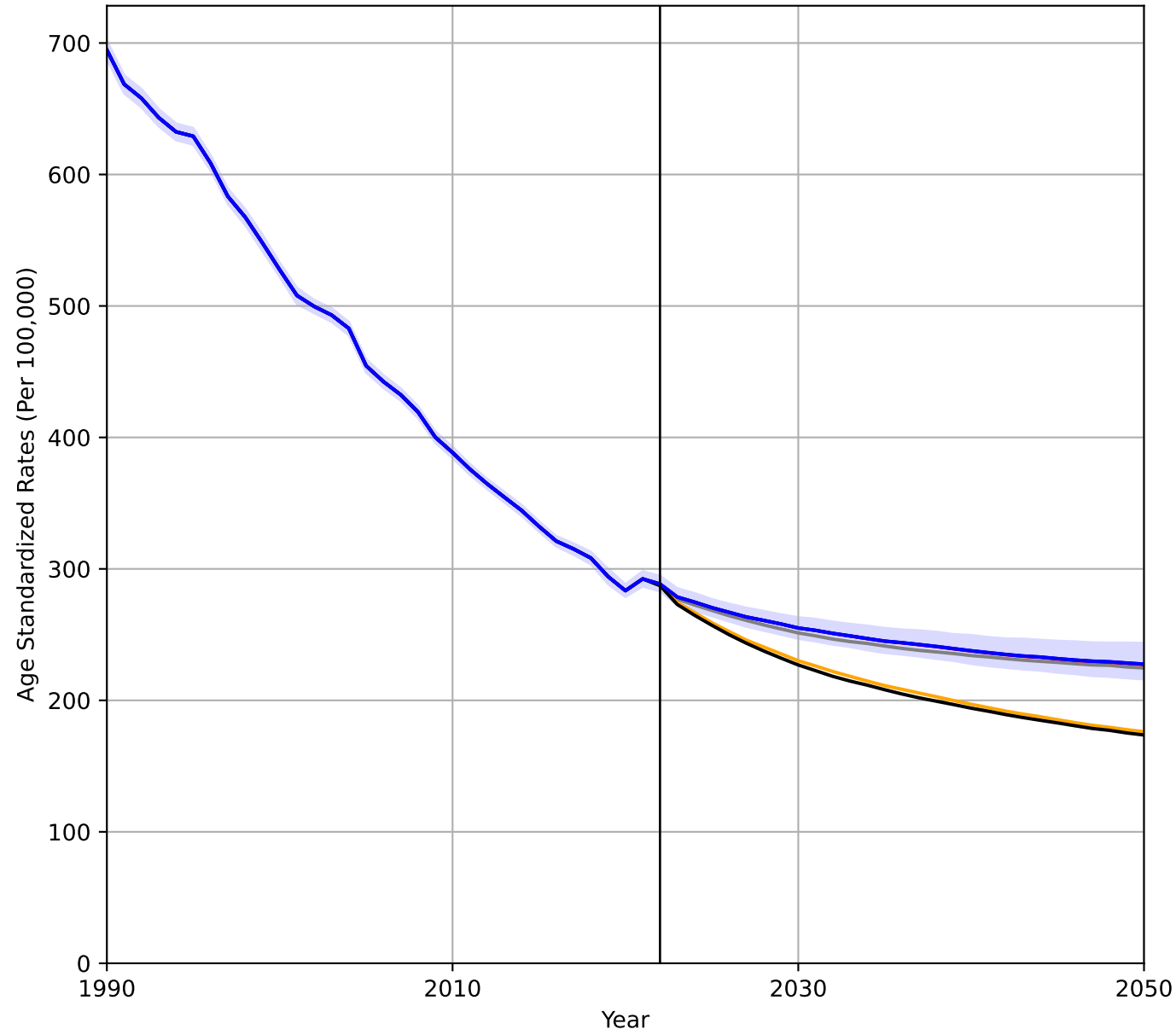
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# Singapore

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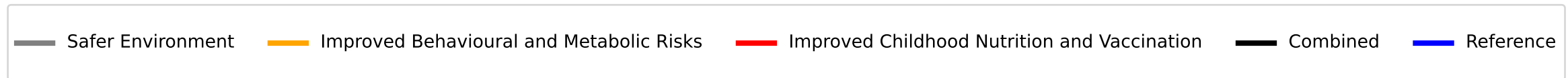
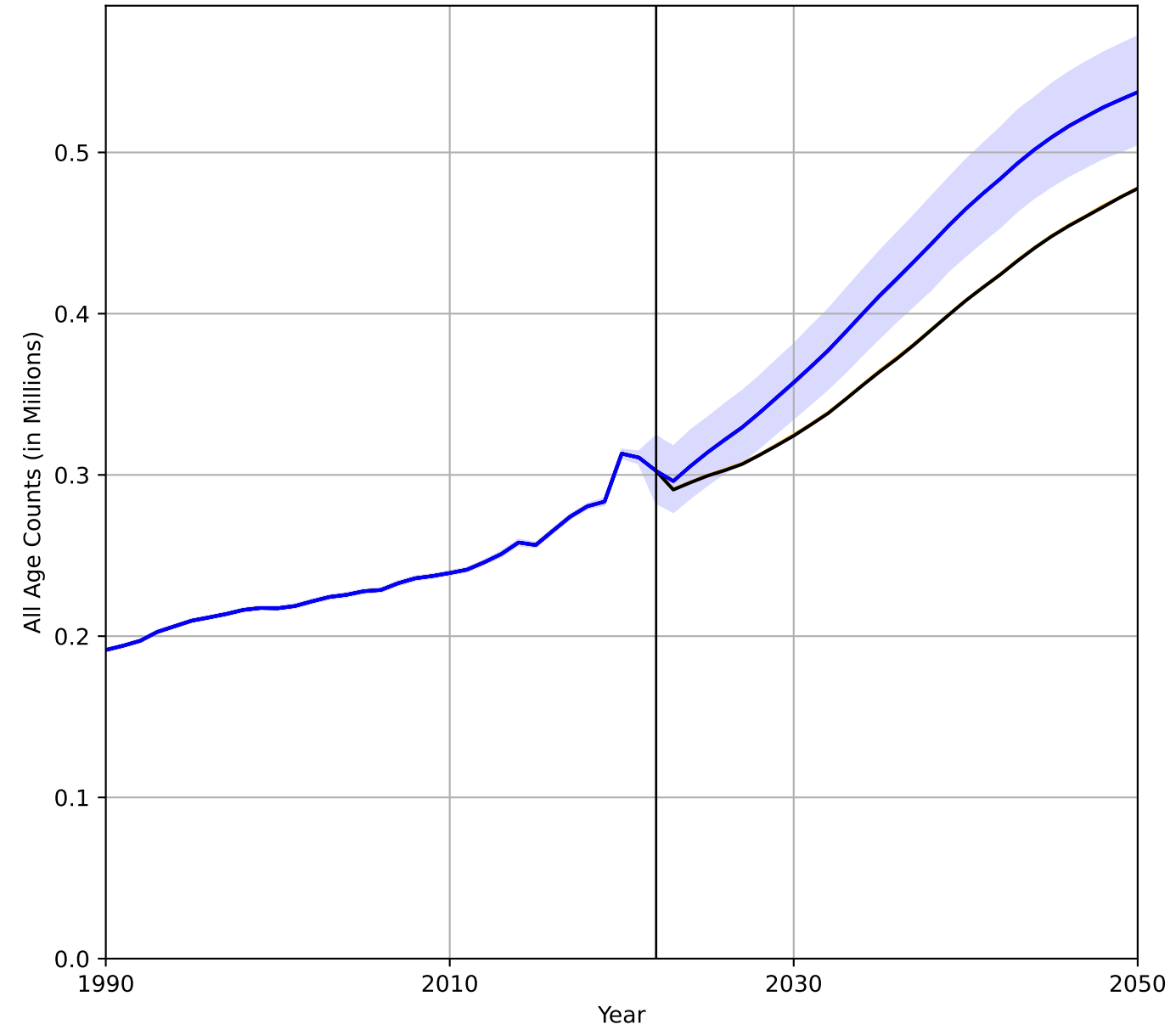
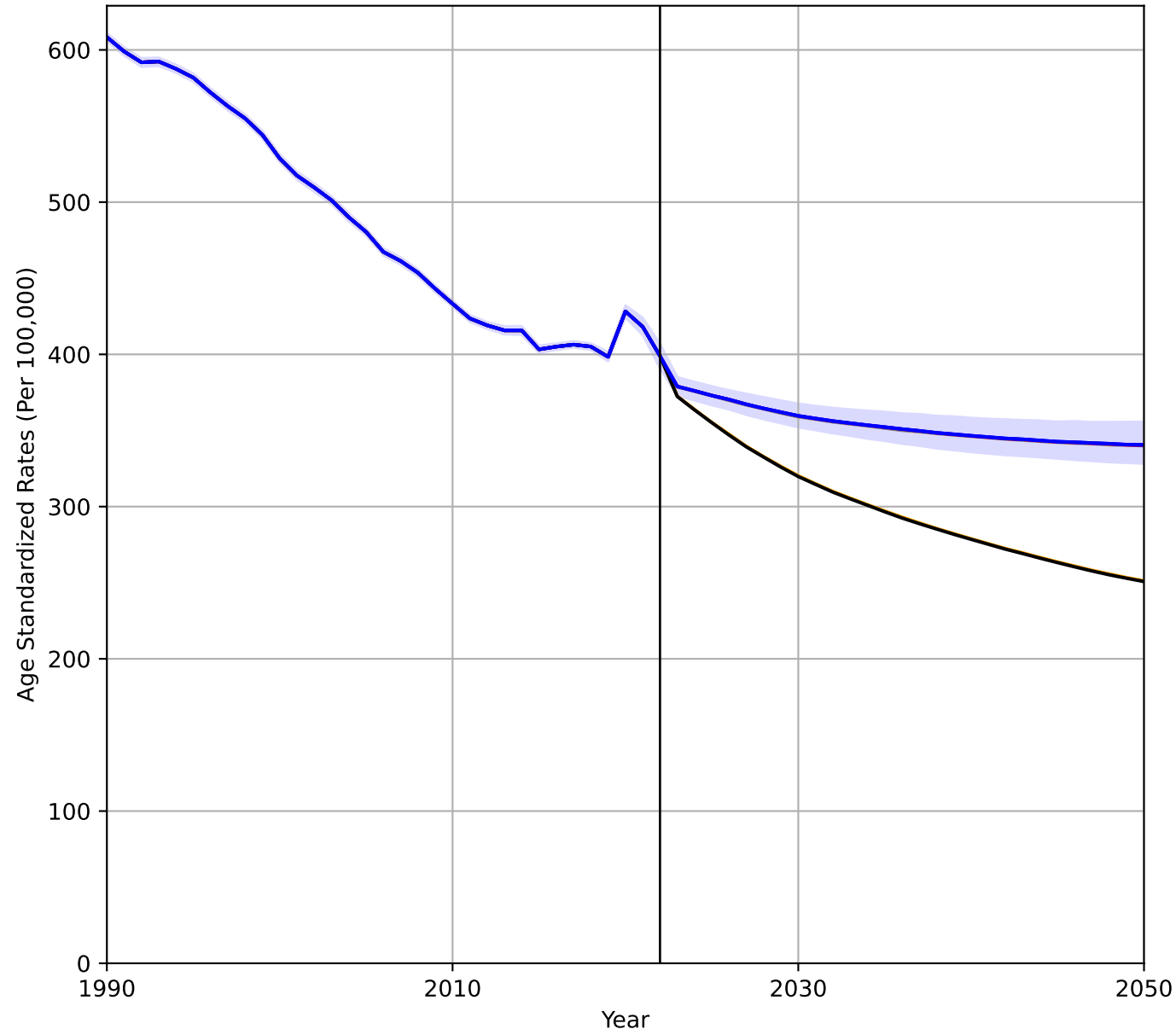
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# Canada

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1679

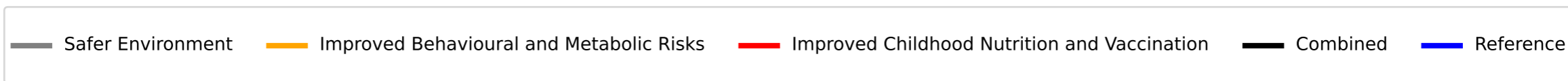
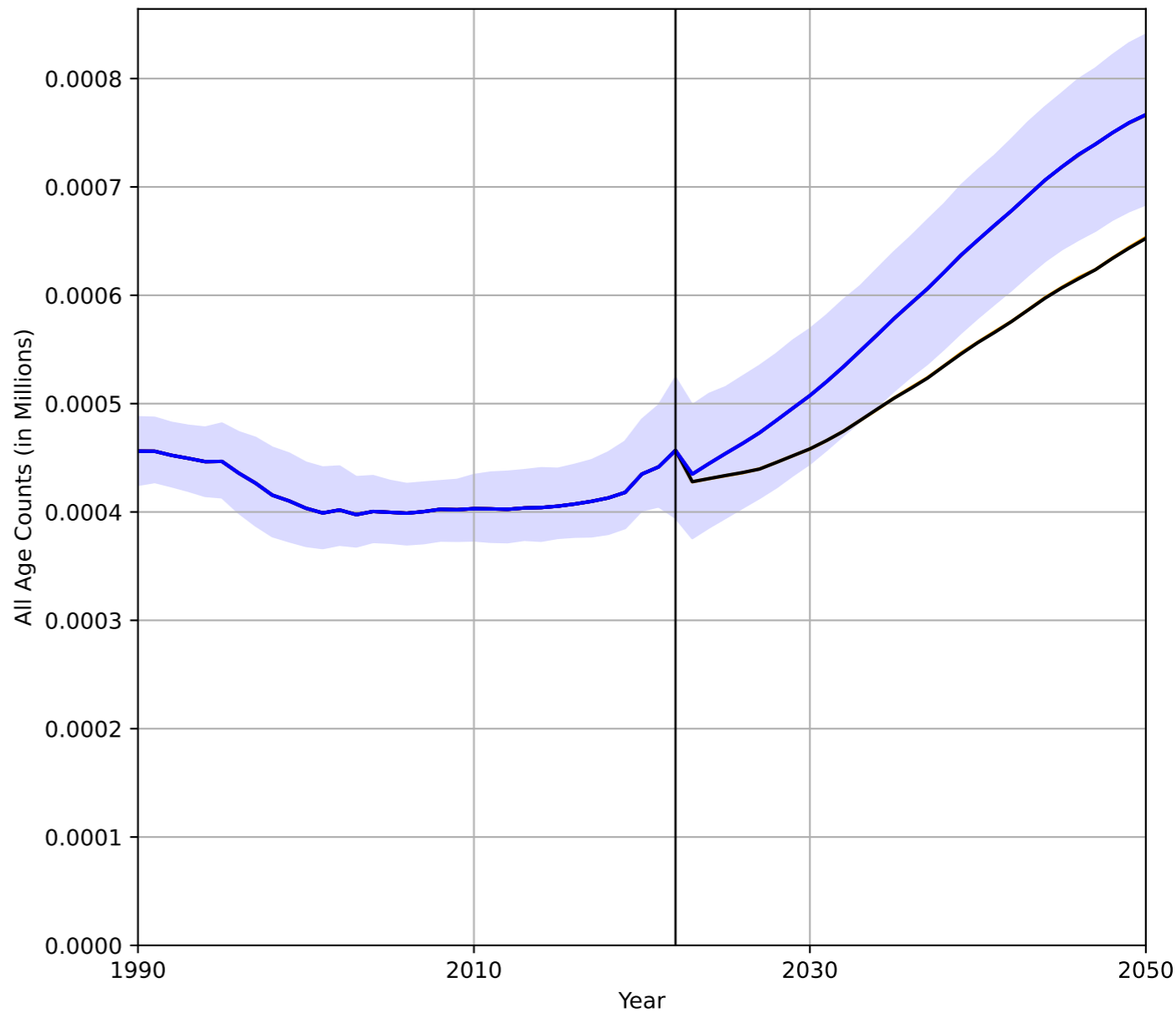
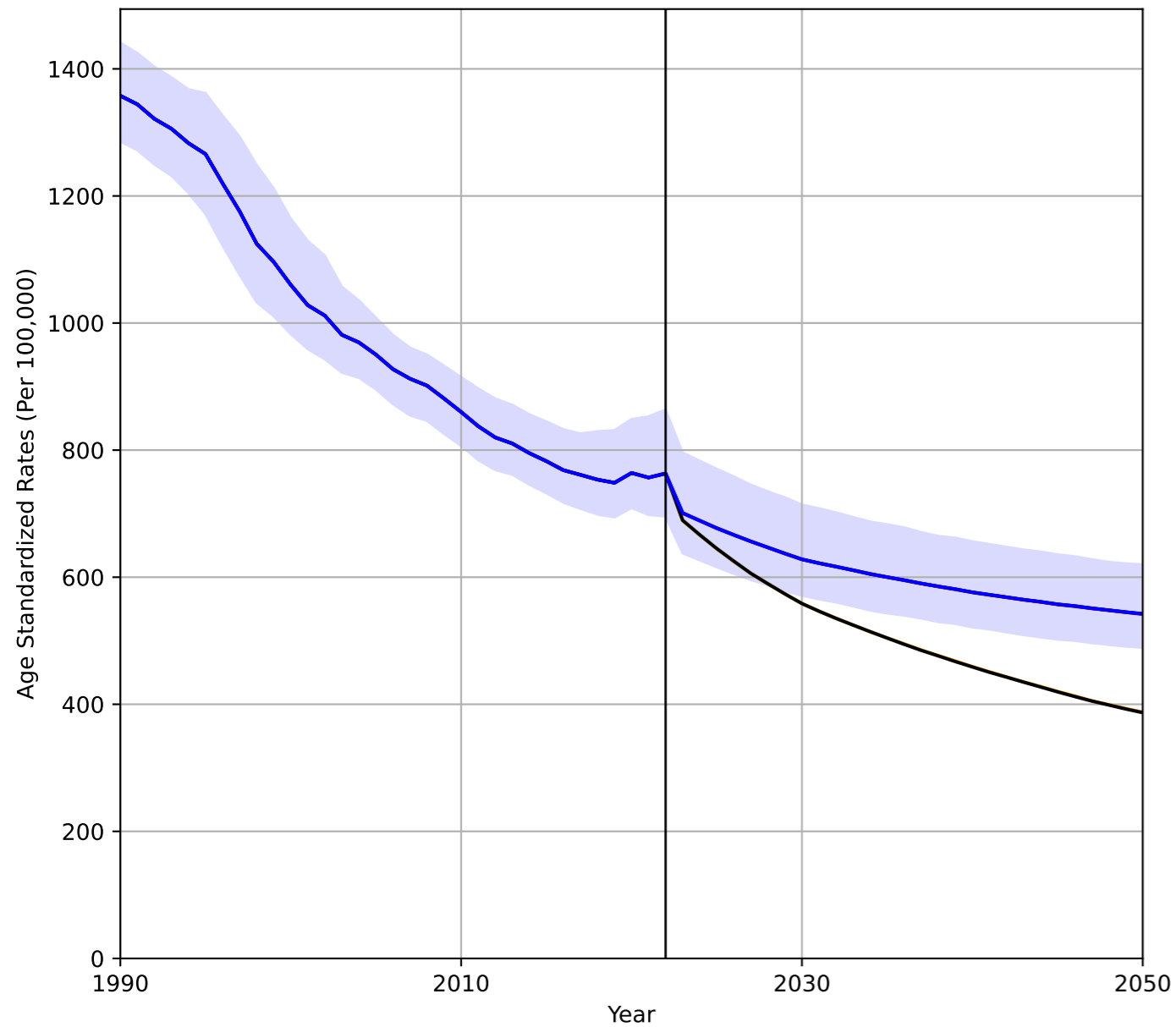




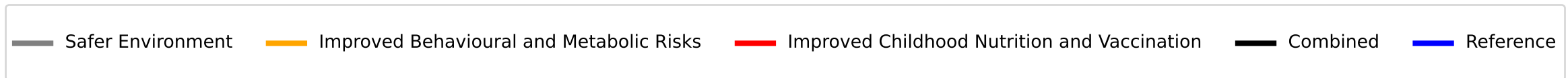
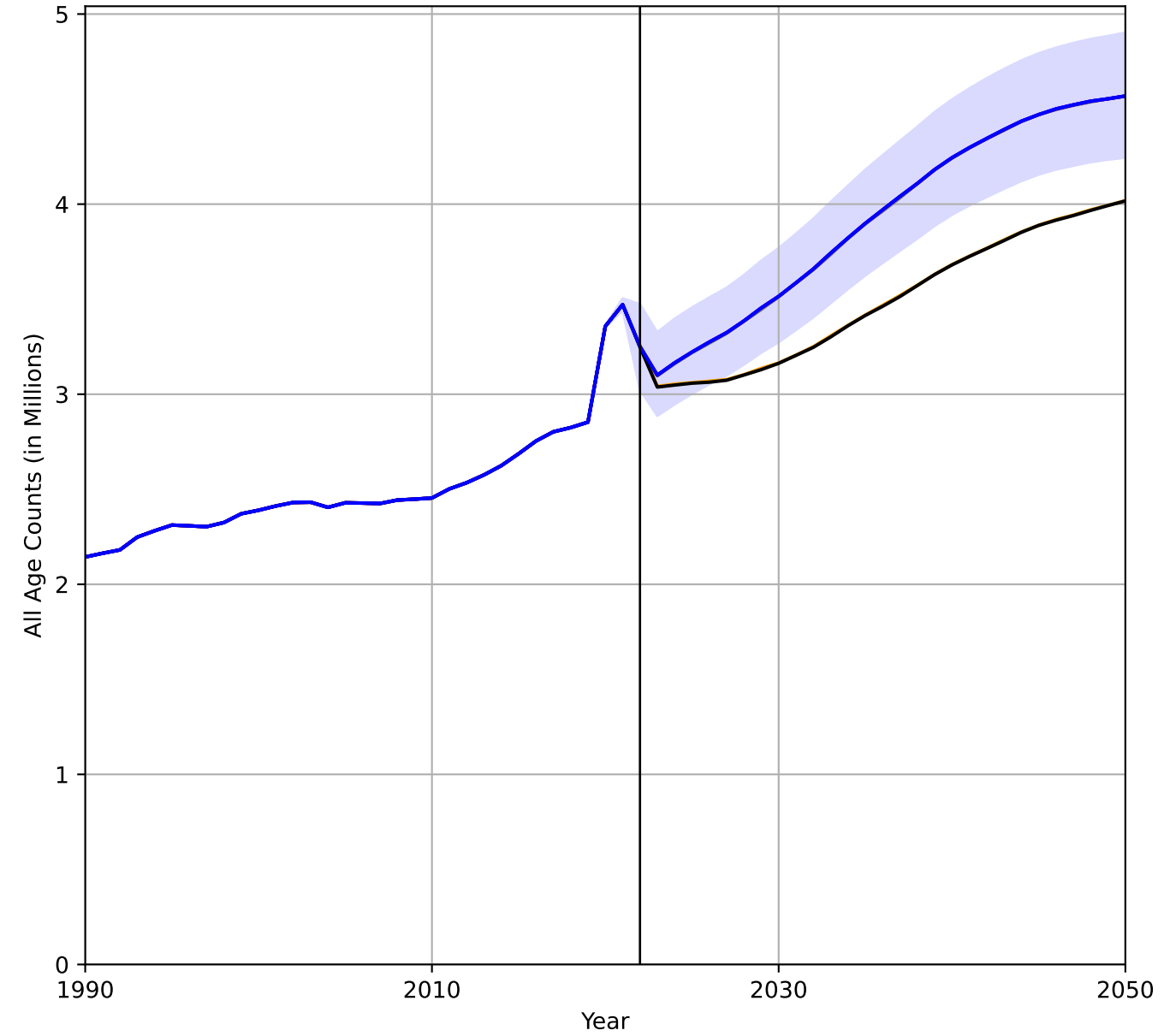
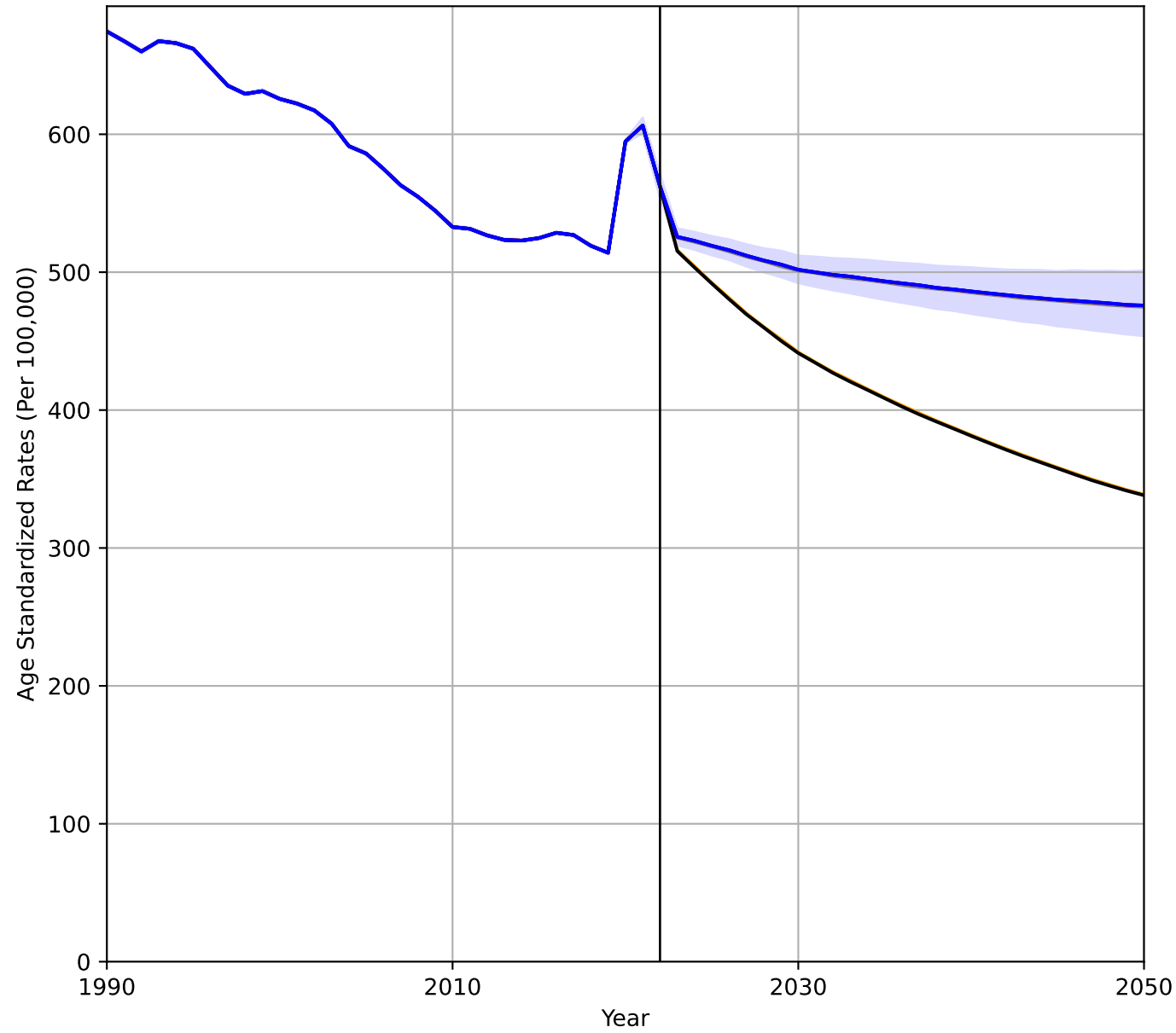
# Greenland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1680



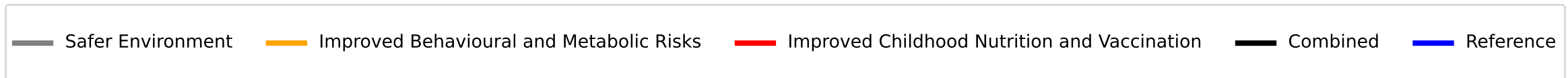
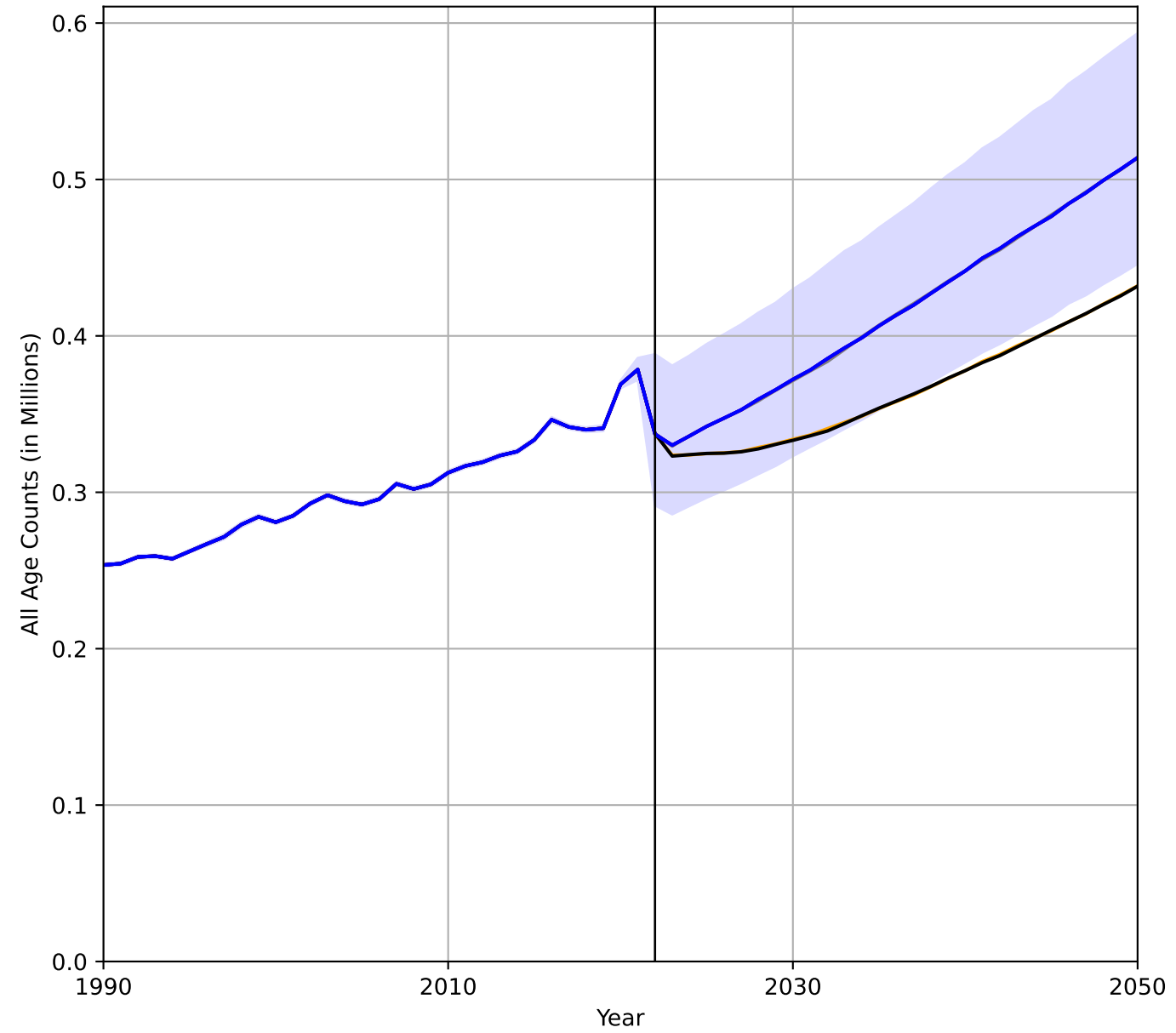
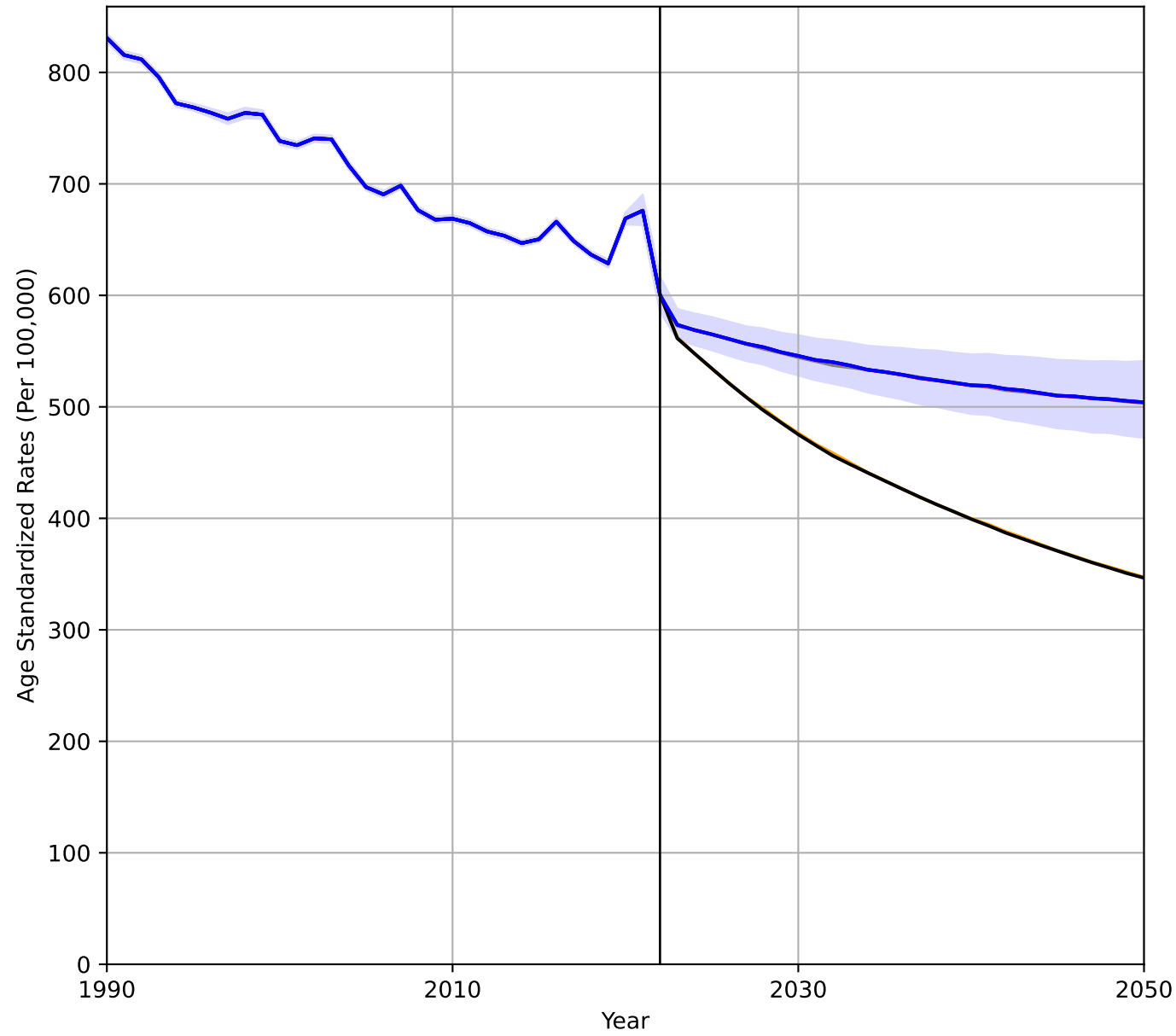
# USA



# Argentina

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

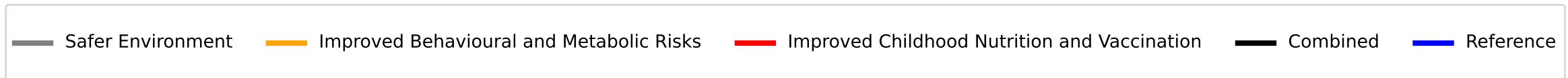
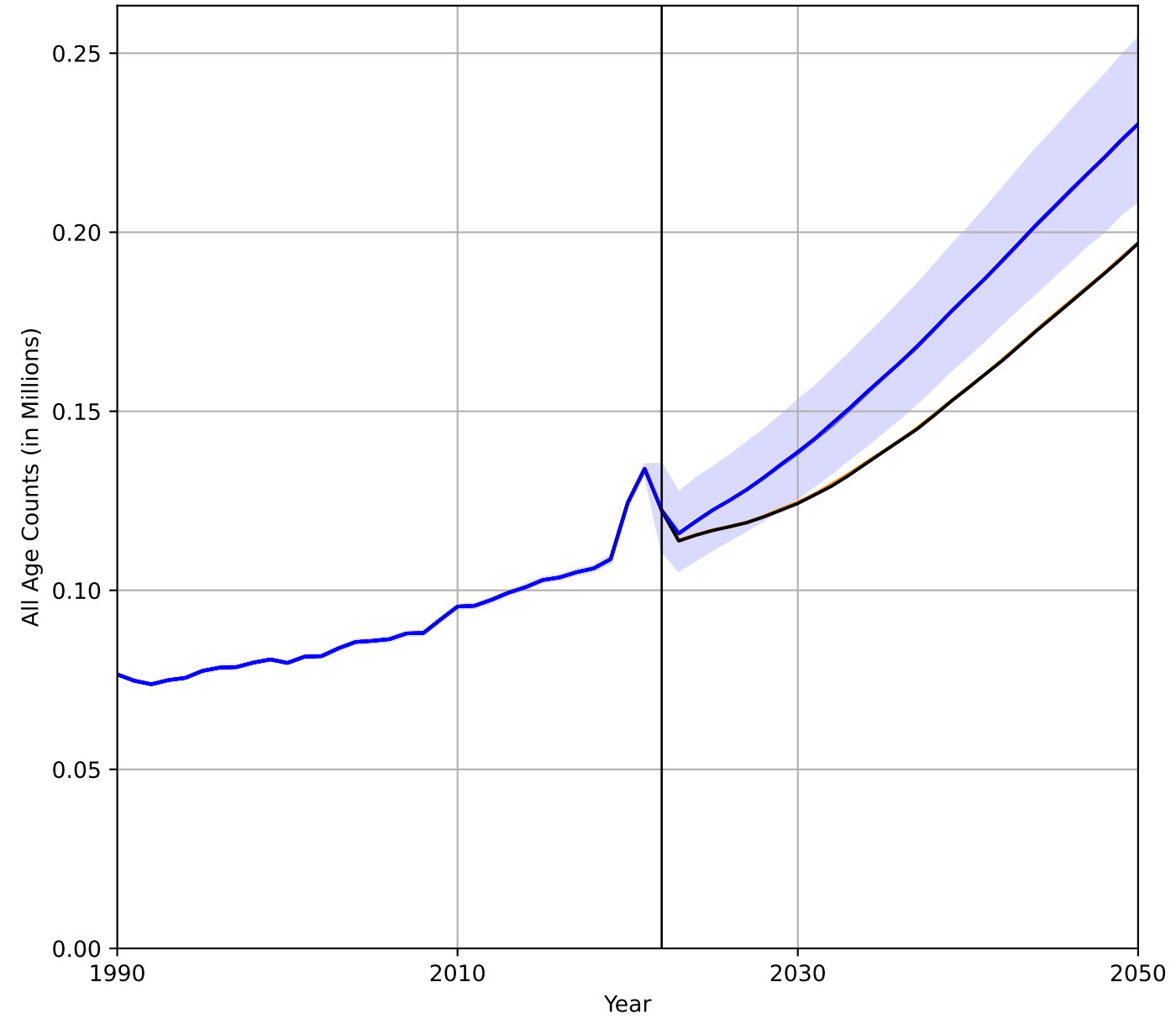
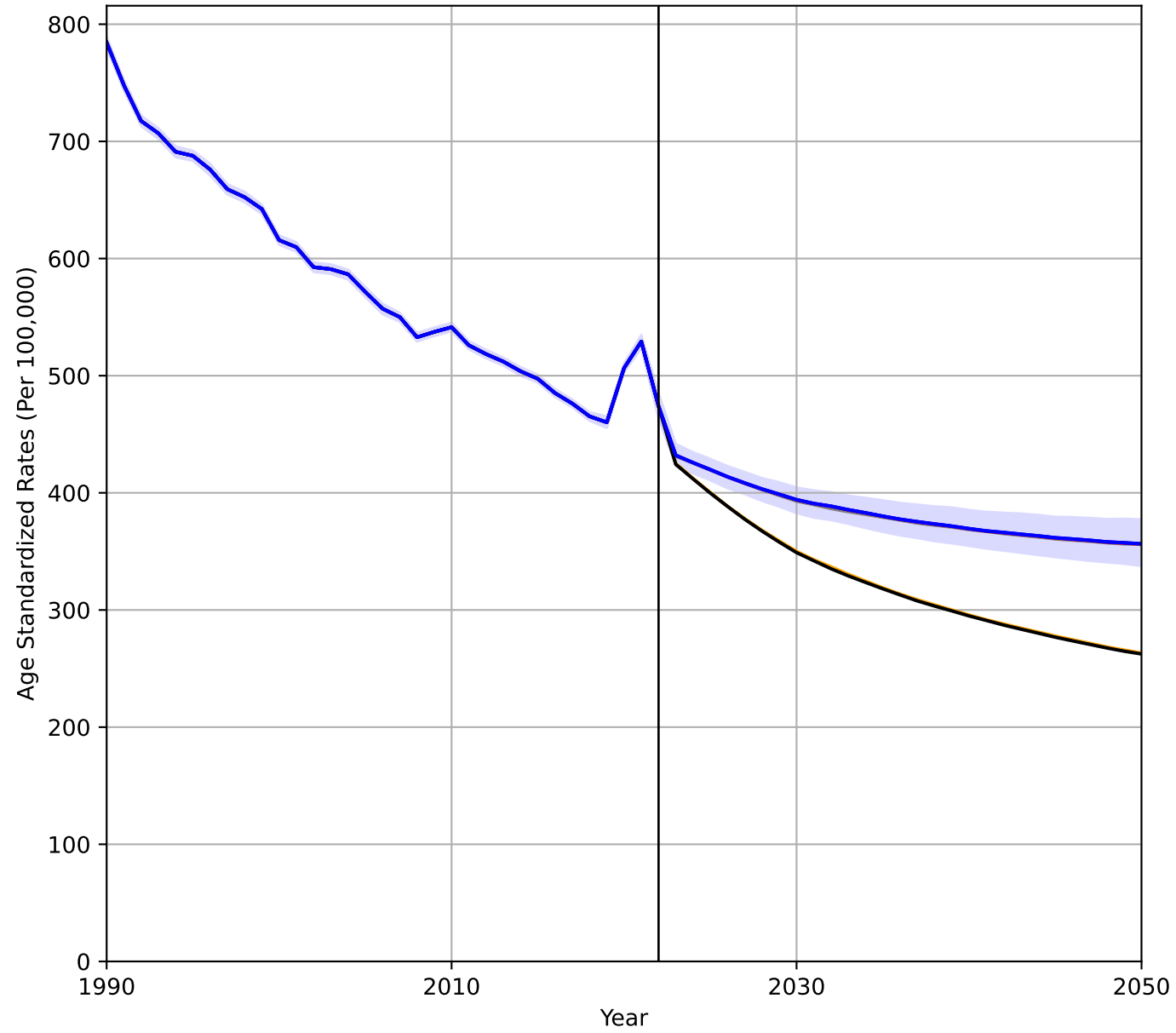
1682



# Chile

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

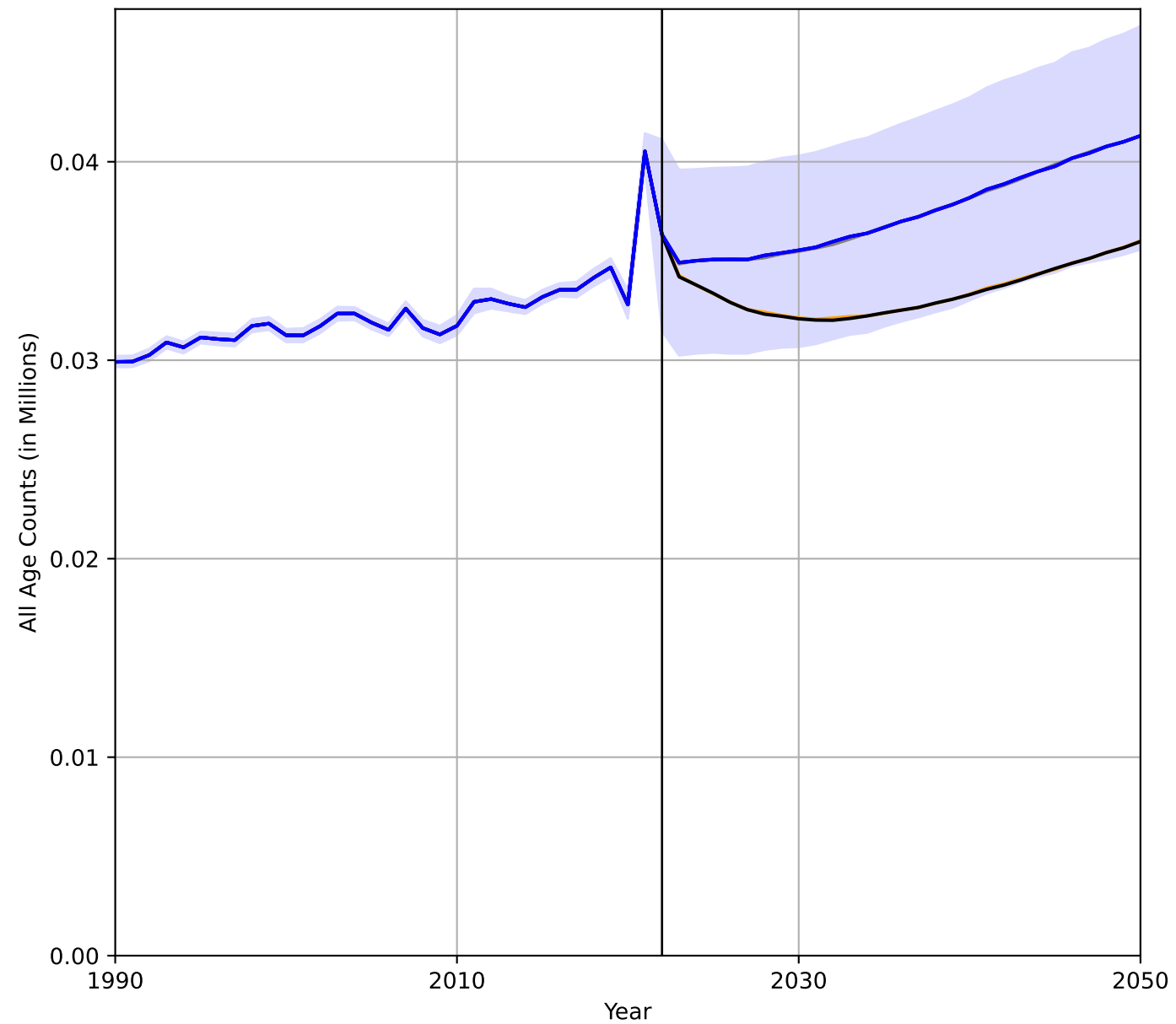
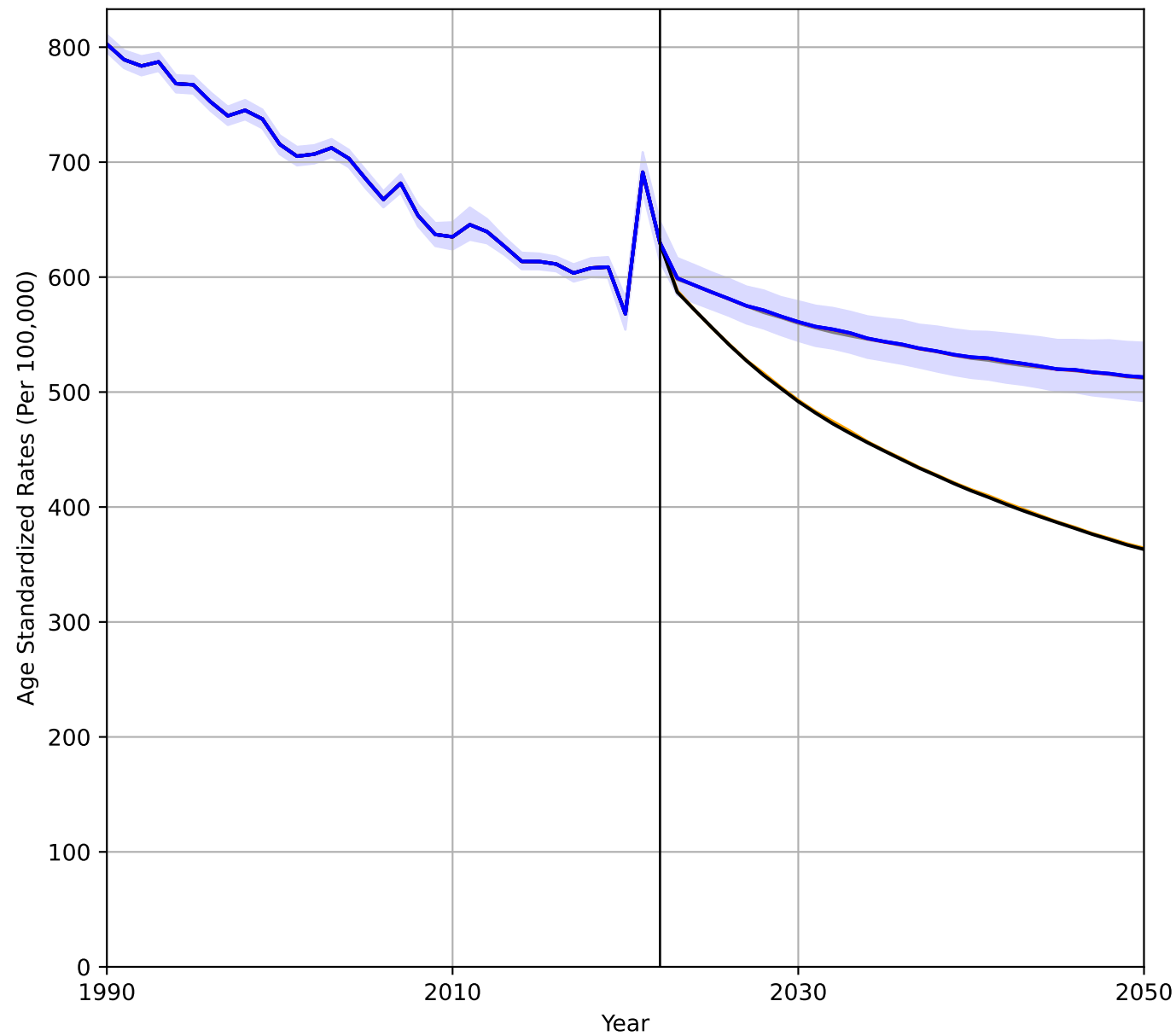
1683



# Uruguay

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

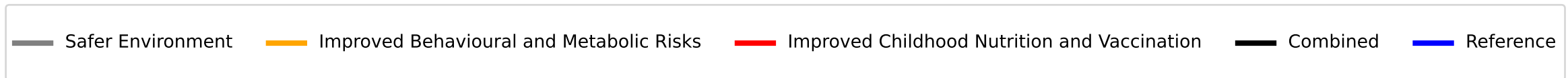
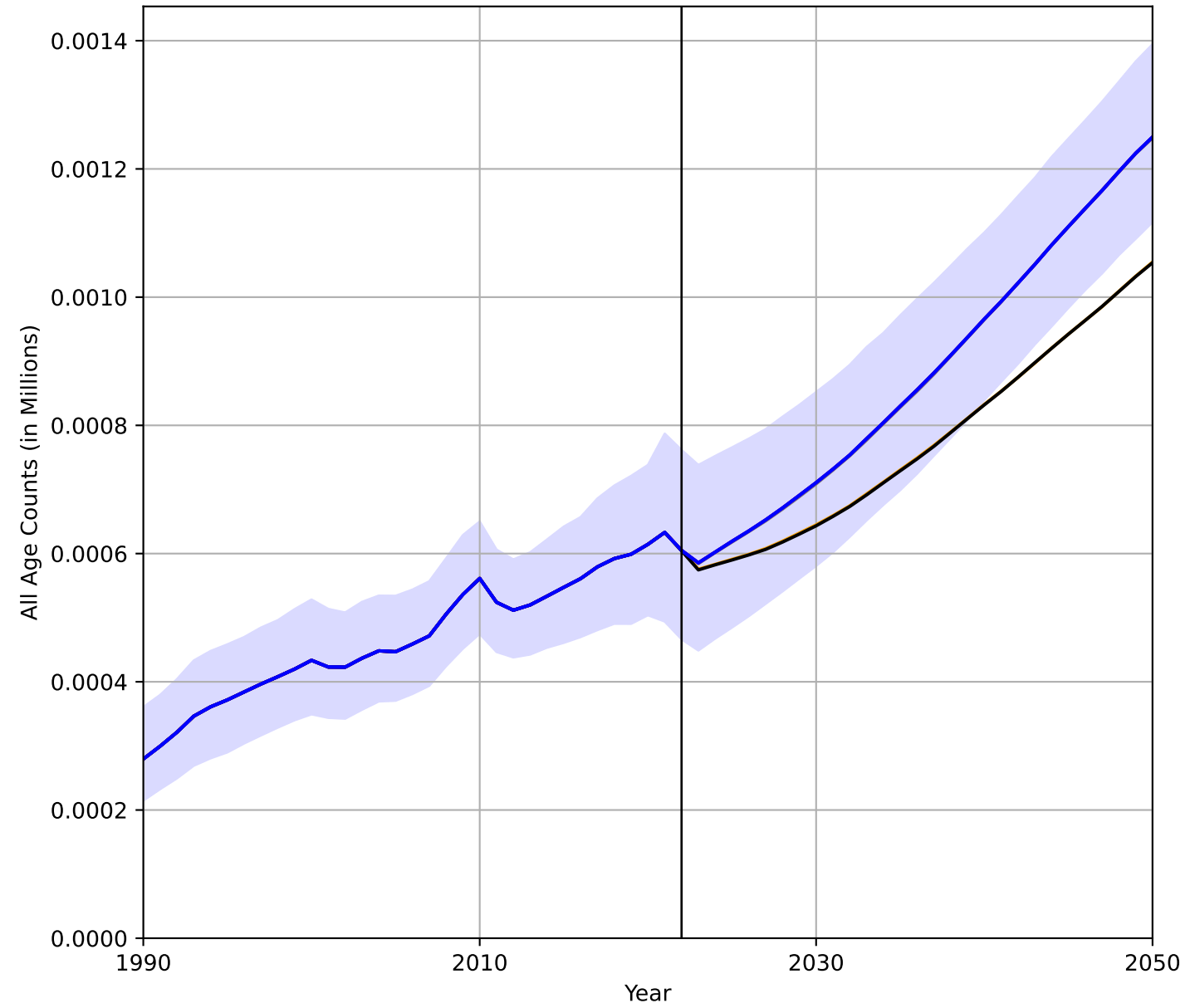
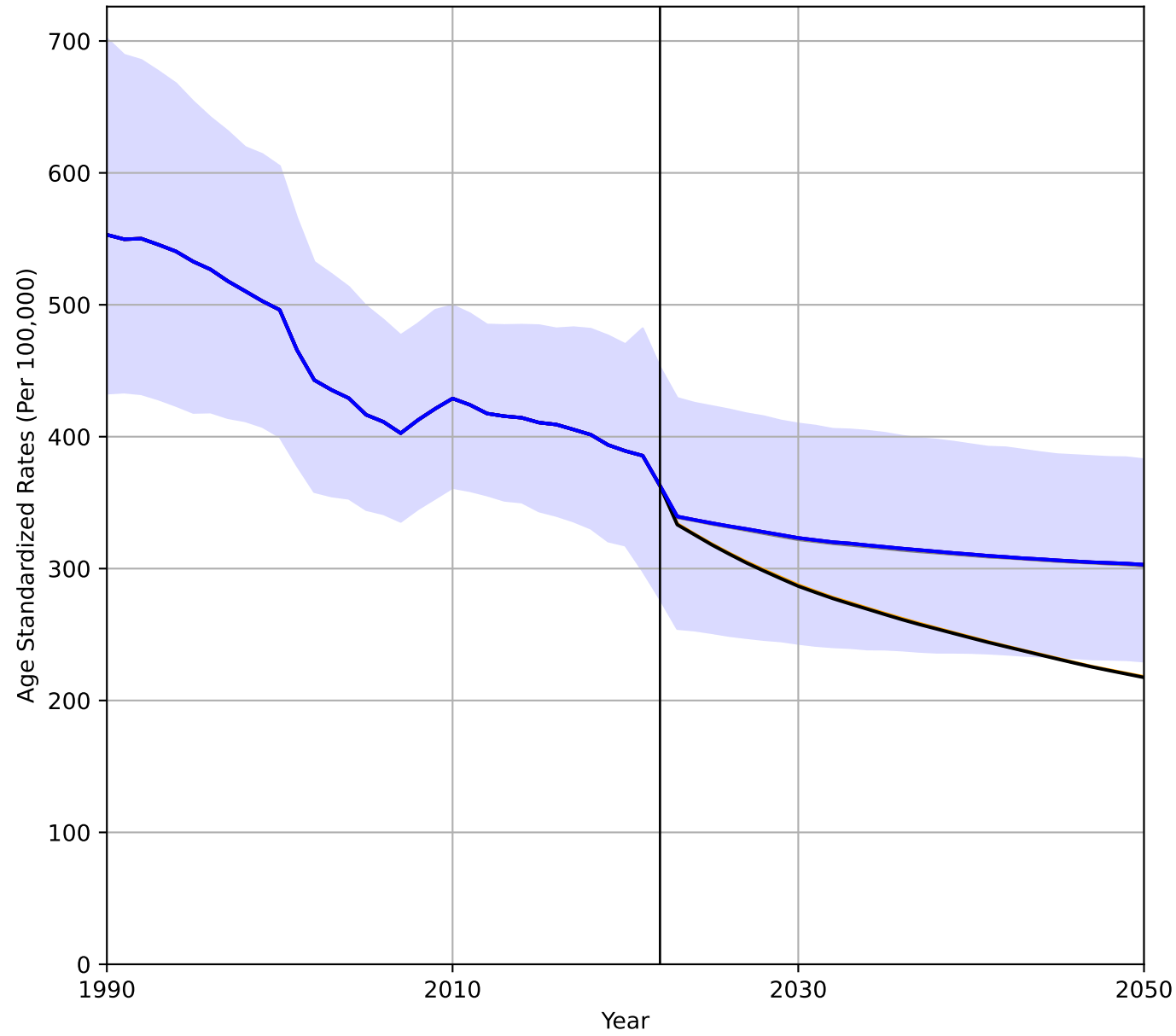
1684



# Andorra

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

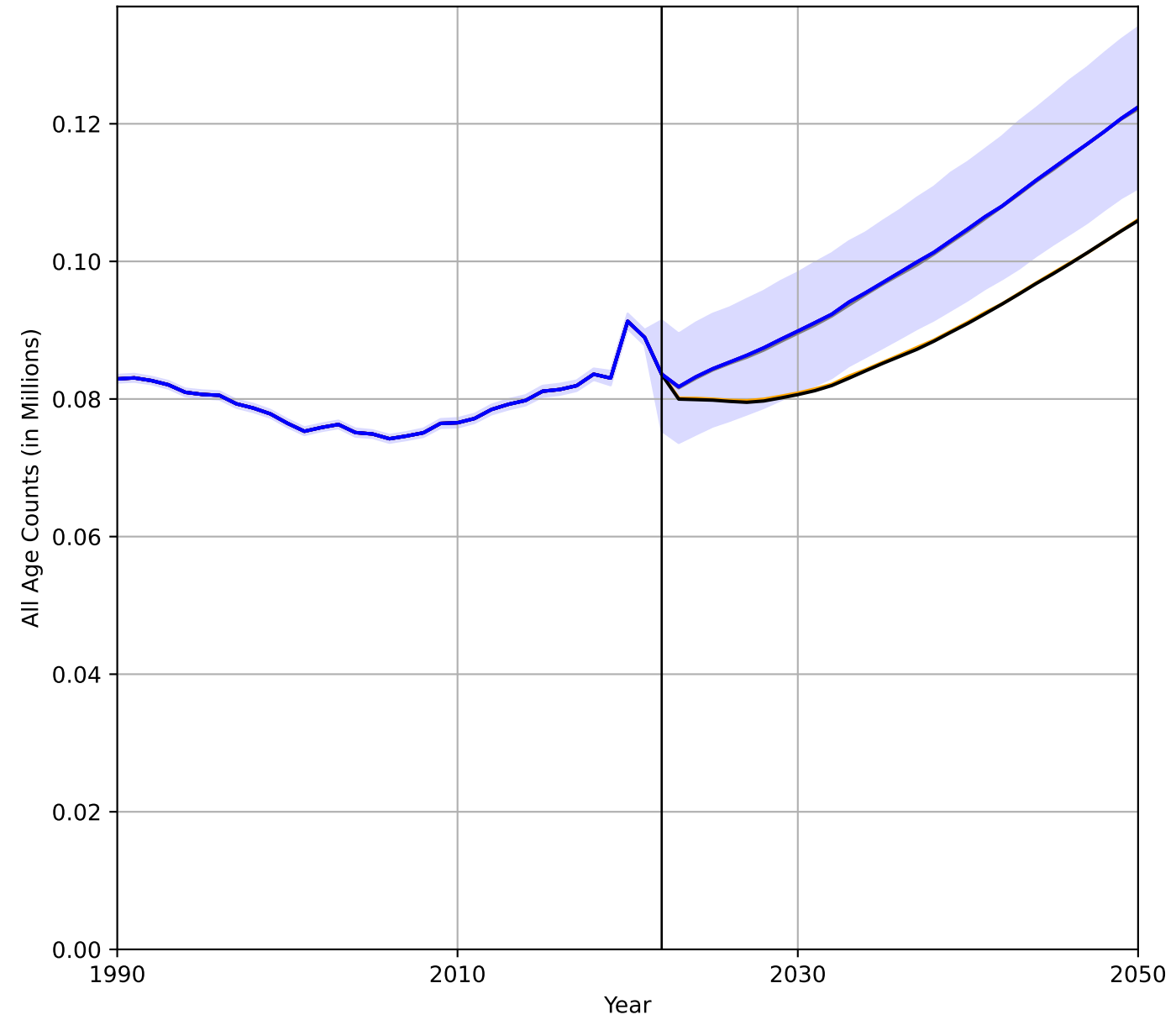
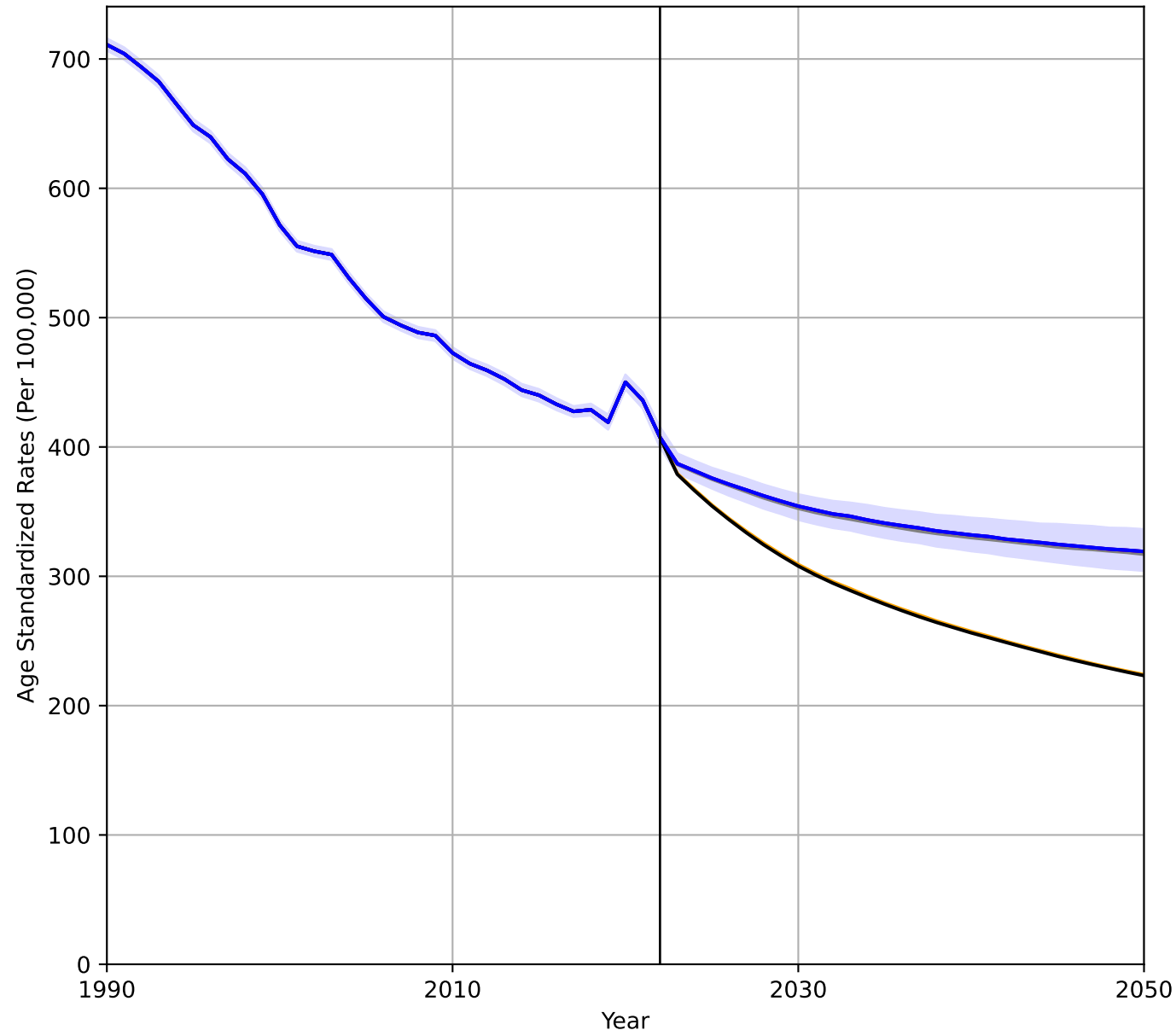
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# Austria

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

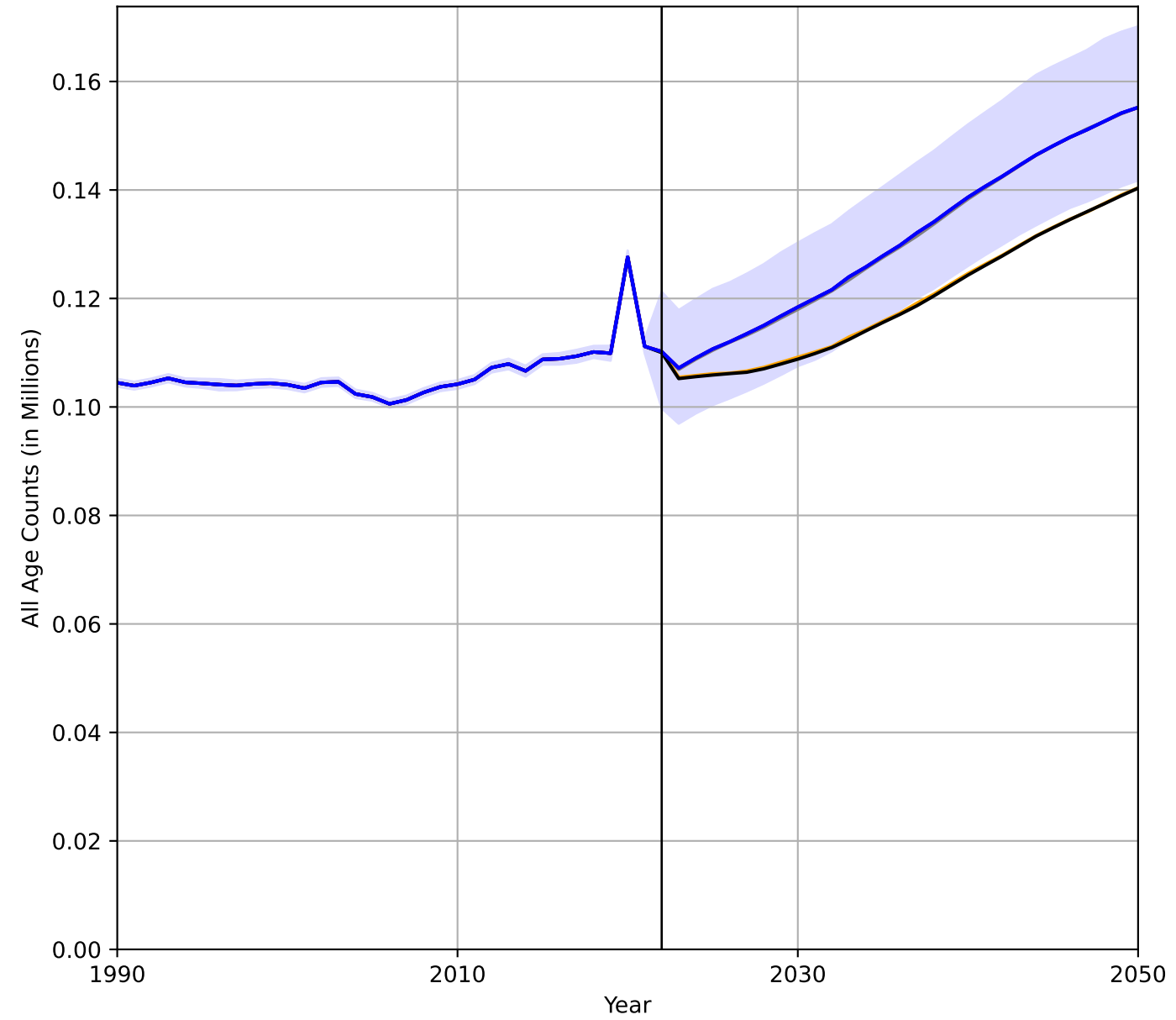
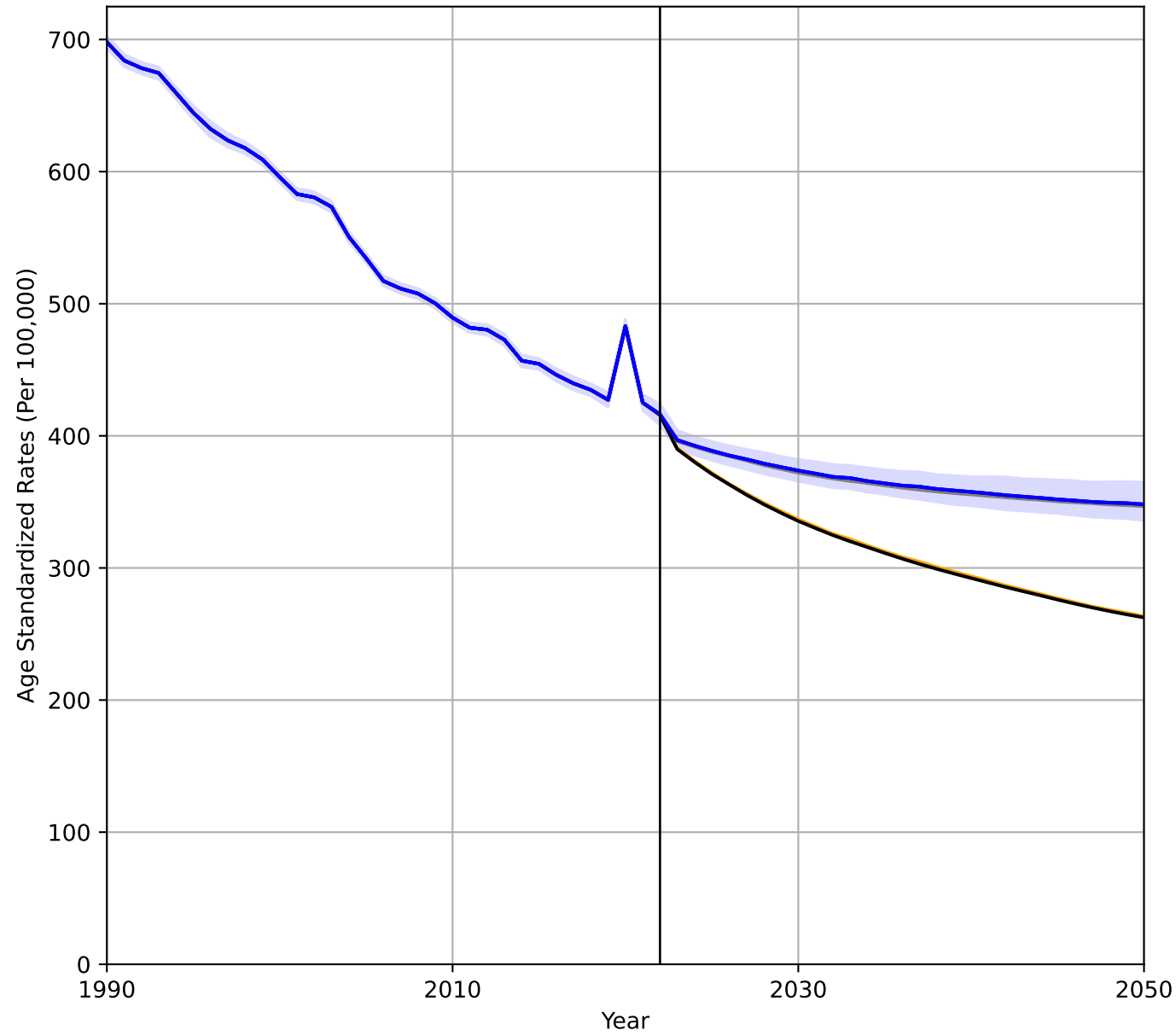
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# Belgium

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1687

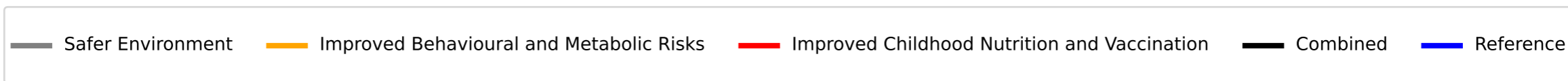
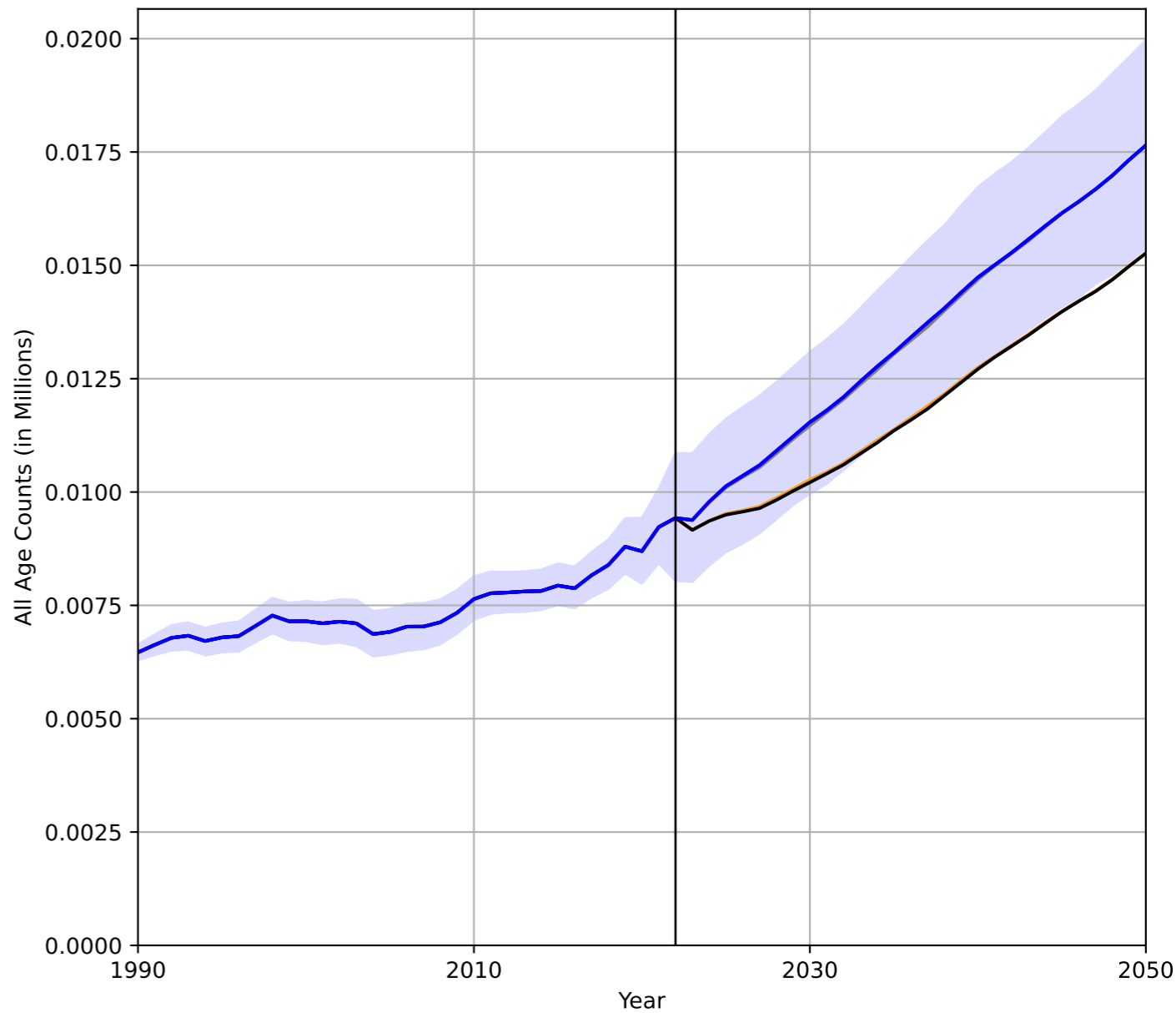
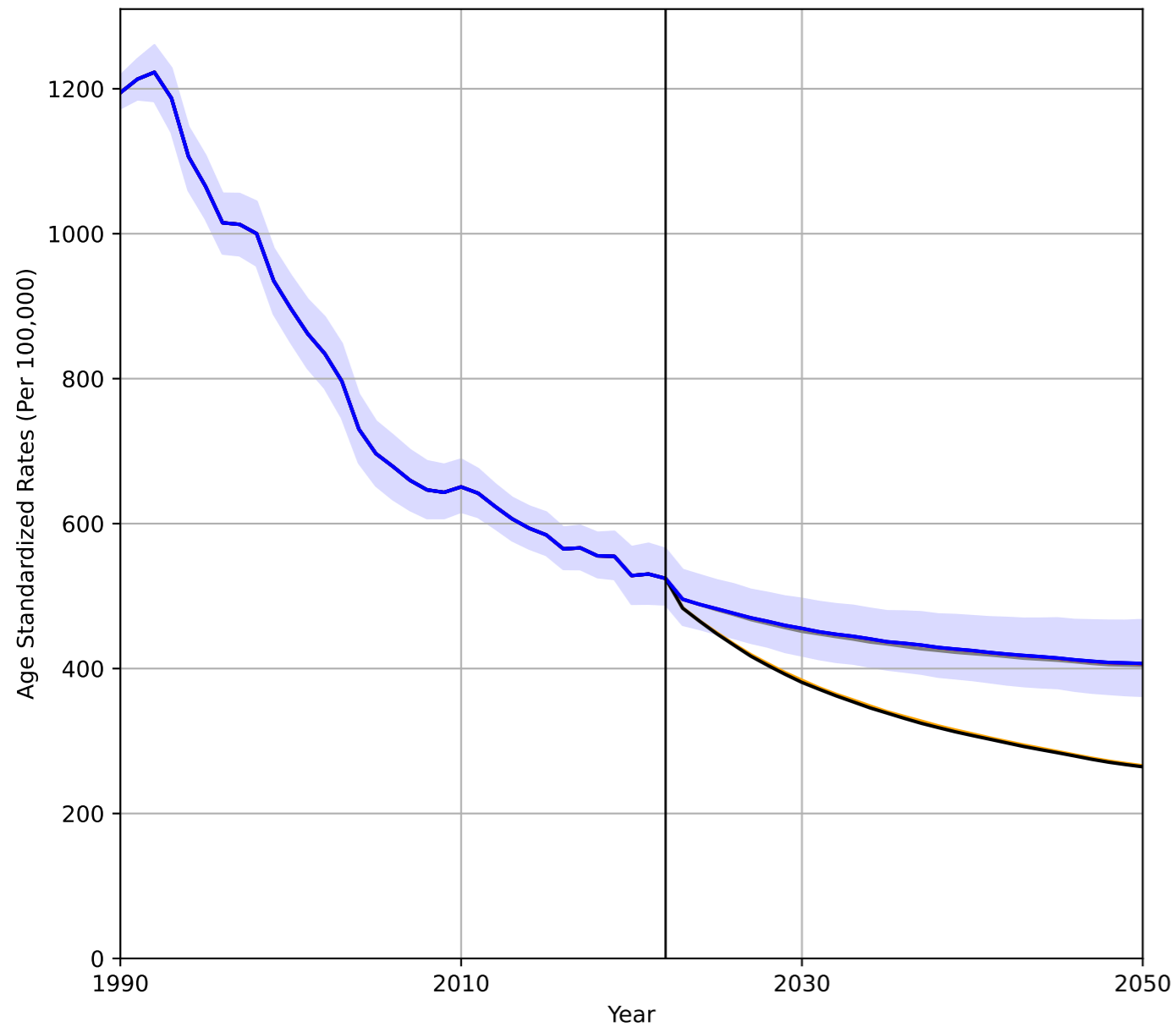




# Cyprus

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

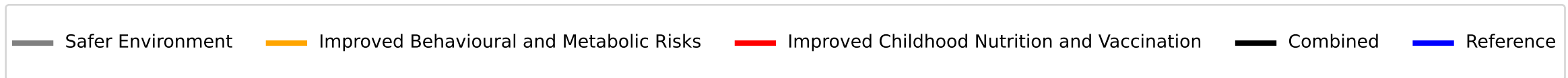
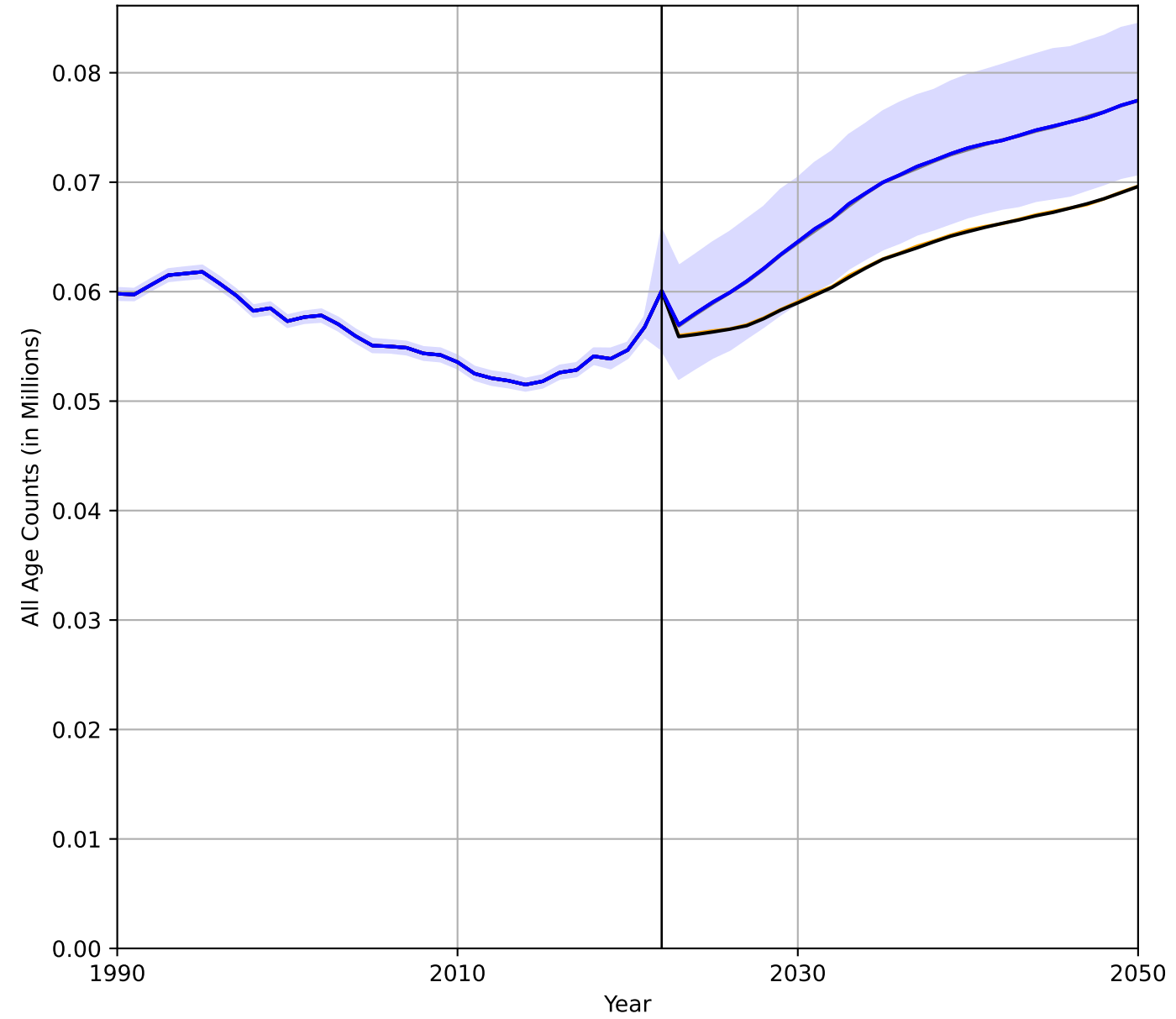
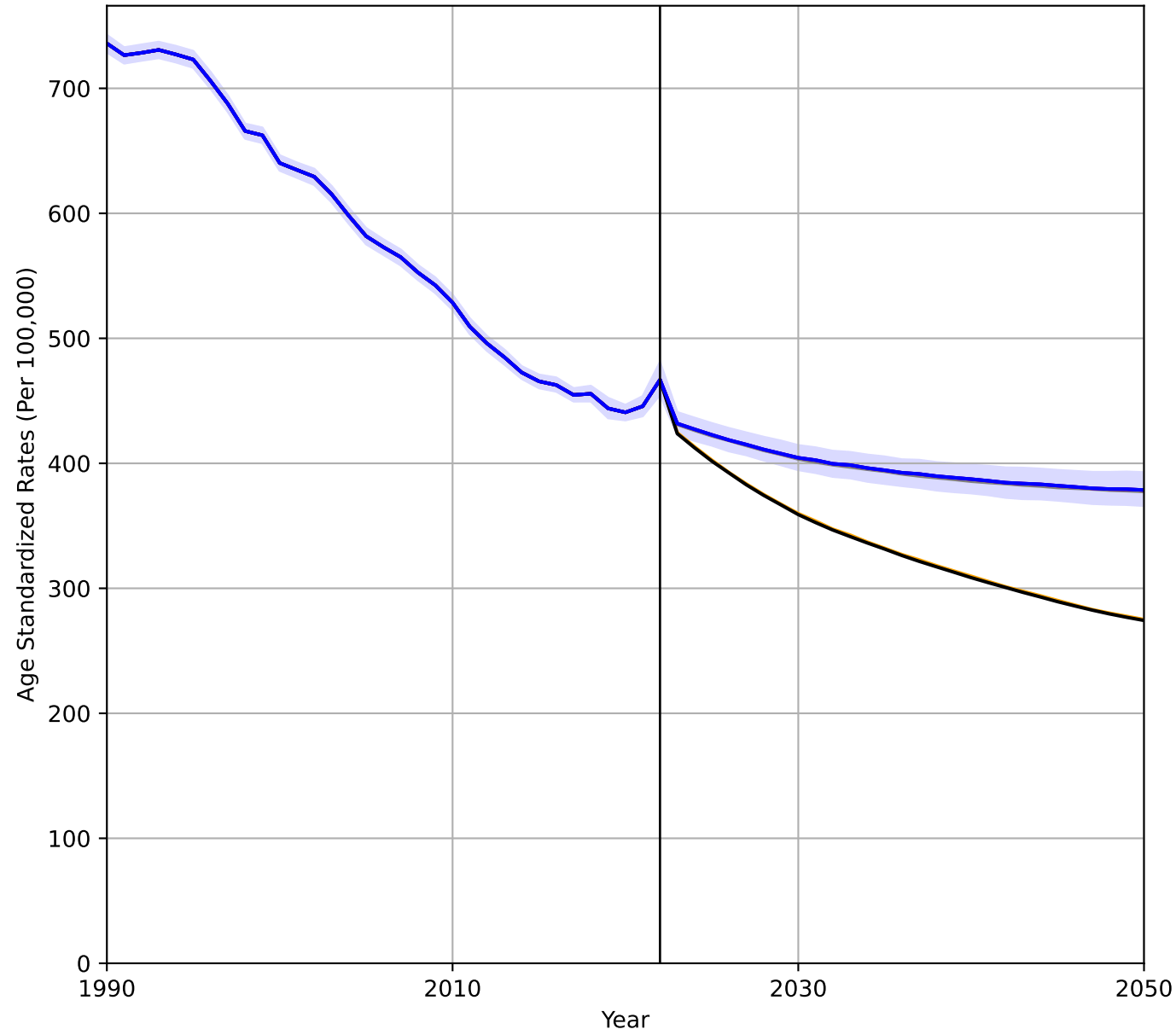
1688



# Denmark

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

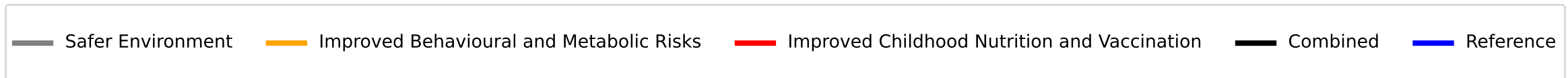
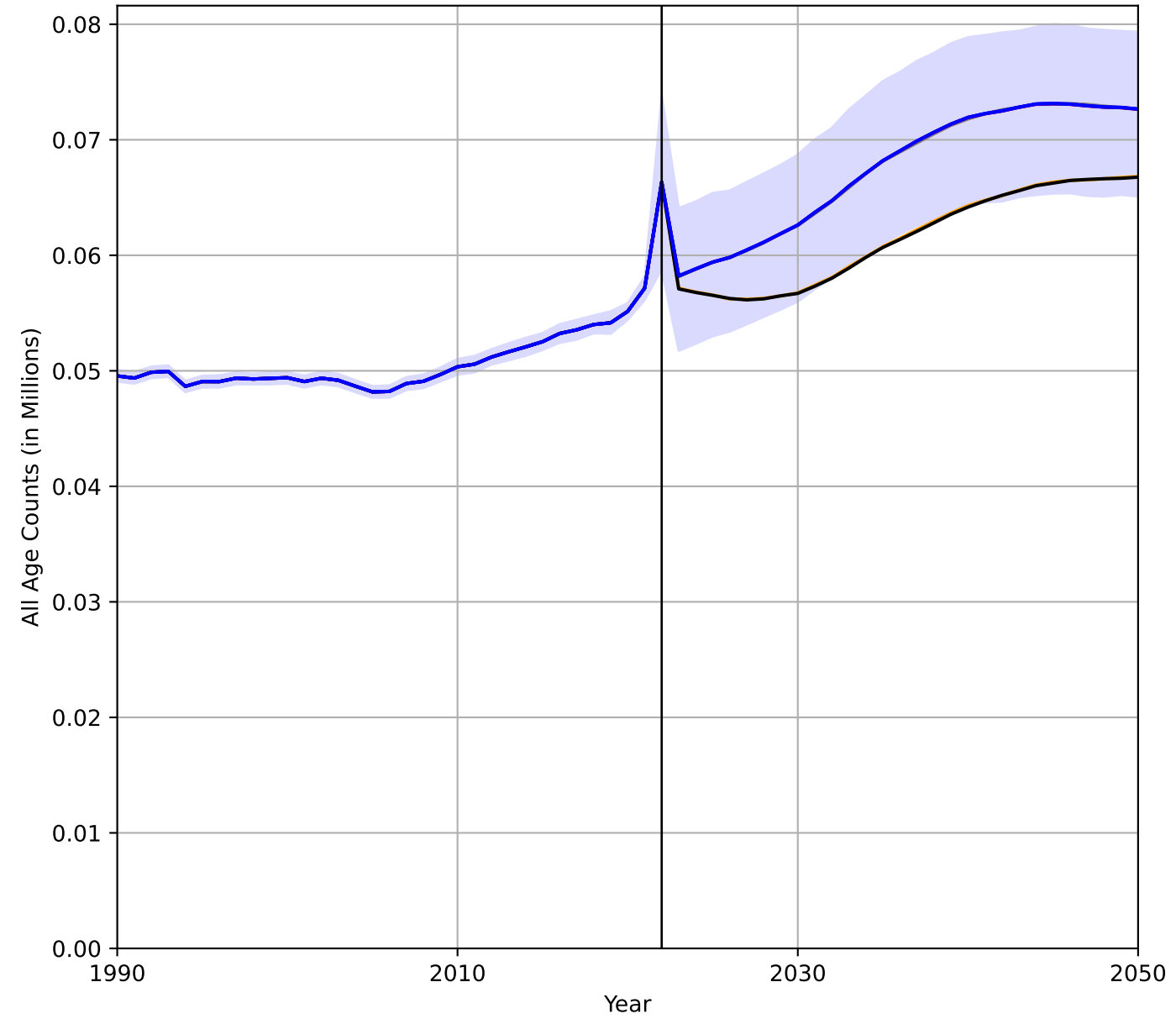
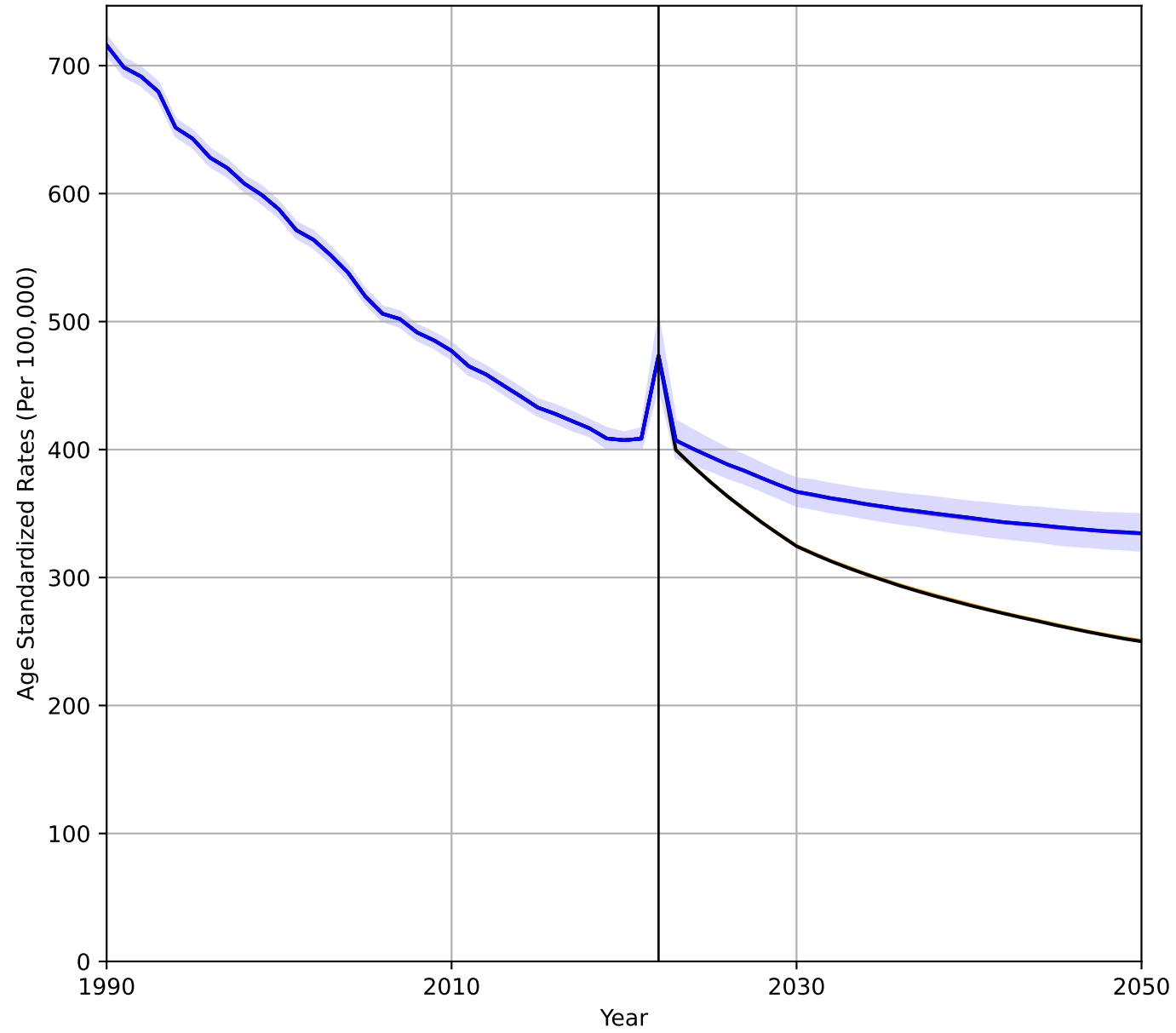
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# Finland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

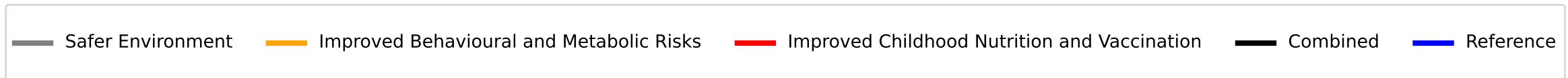
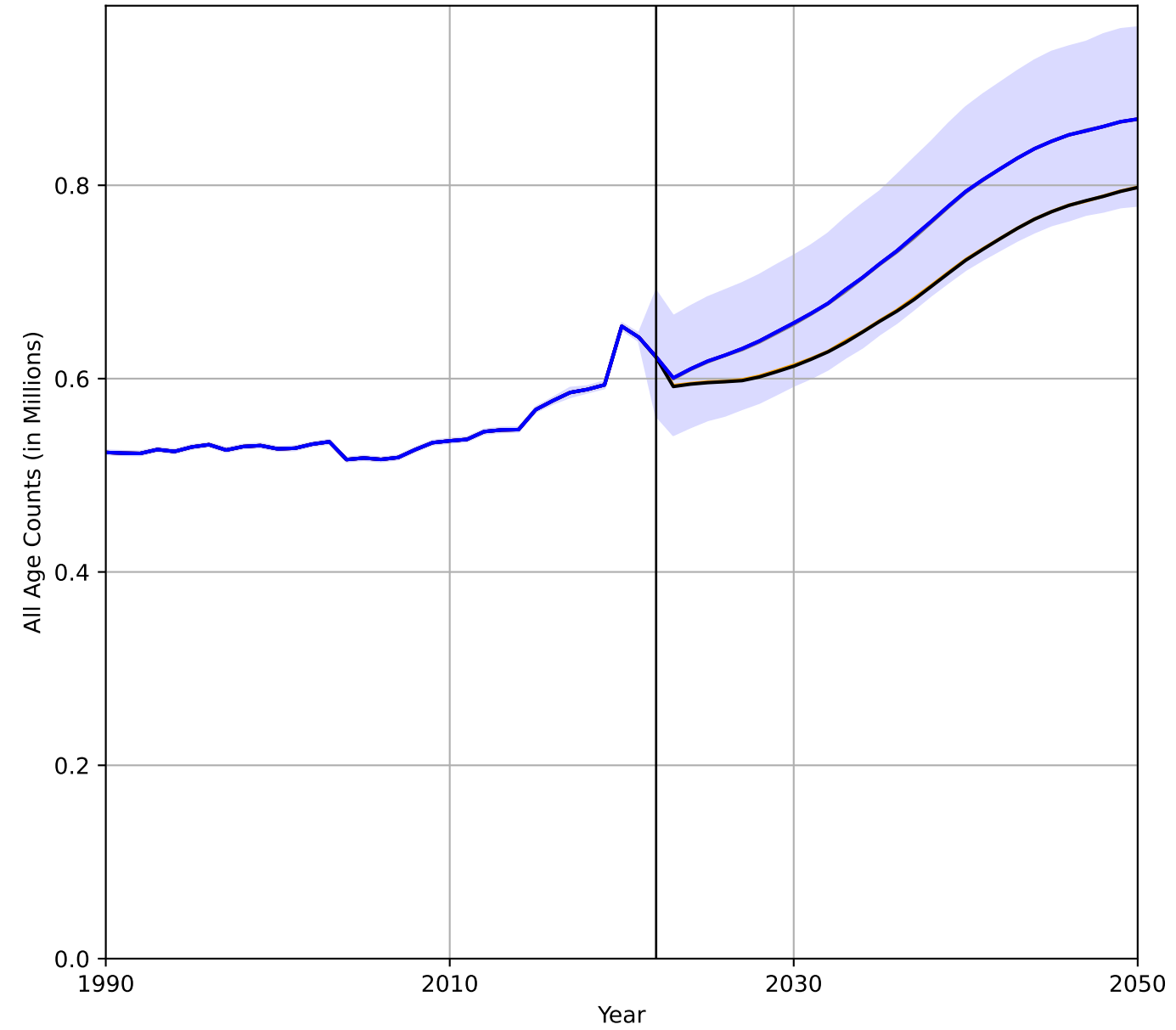
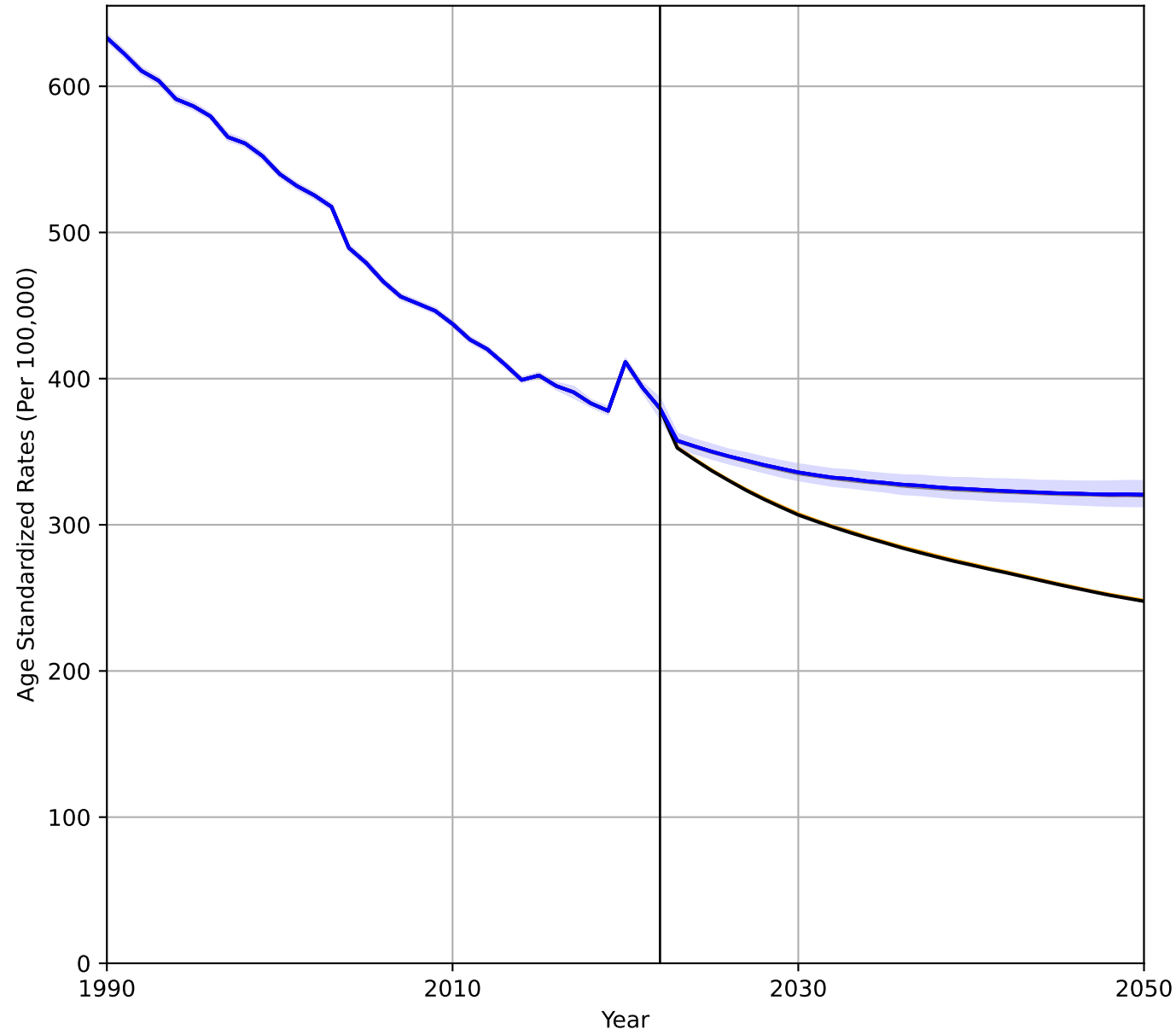
1690



# France

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

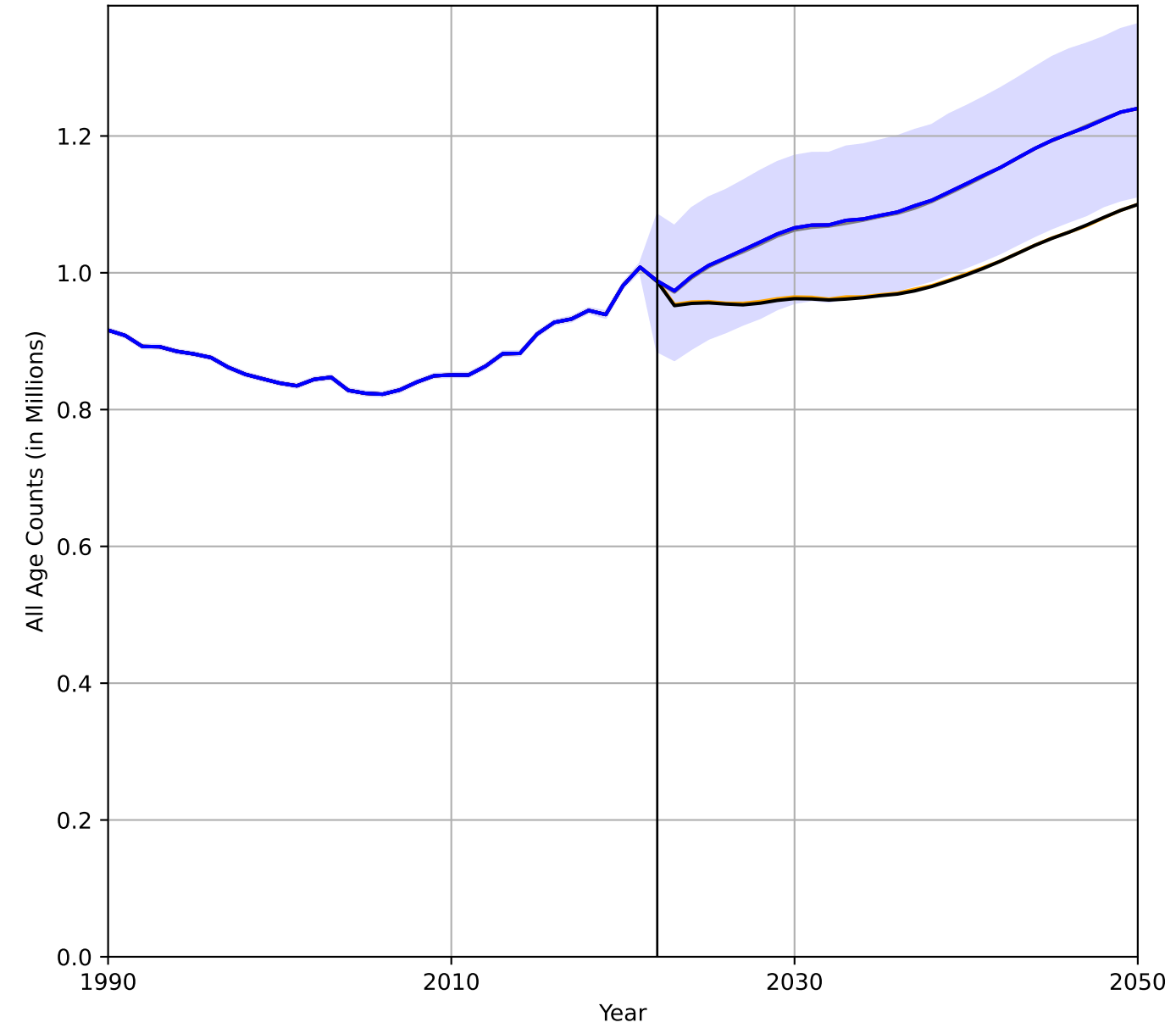
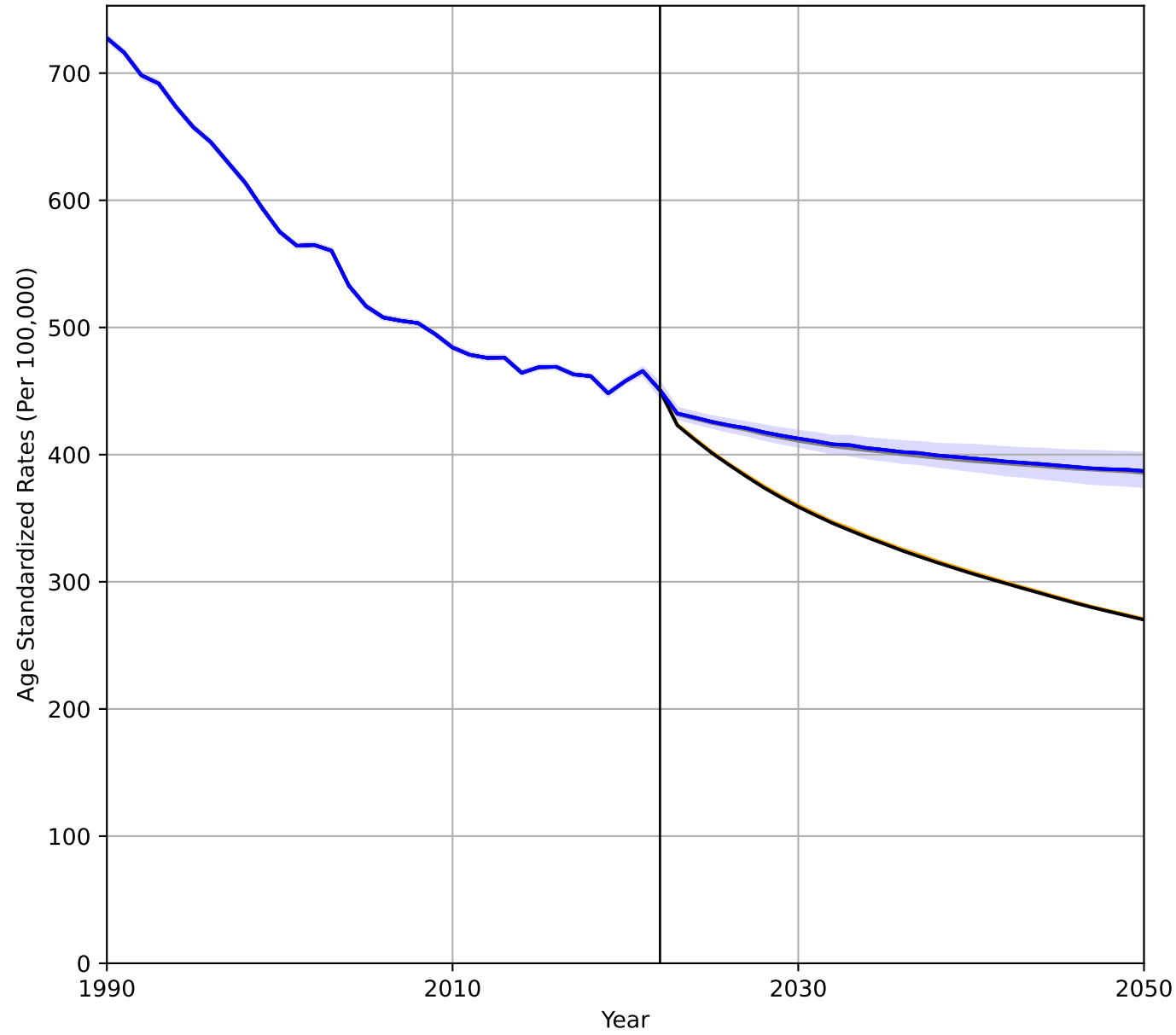
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# Germany

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

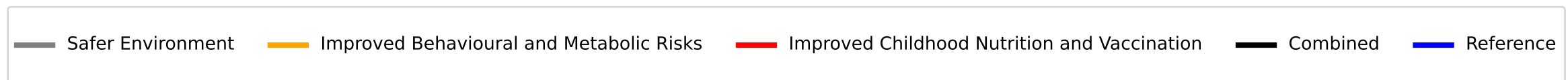
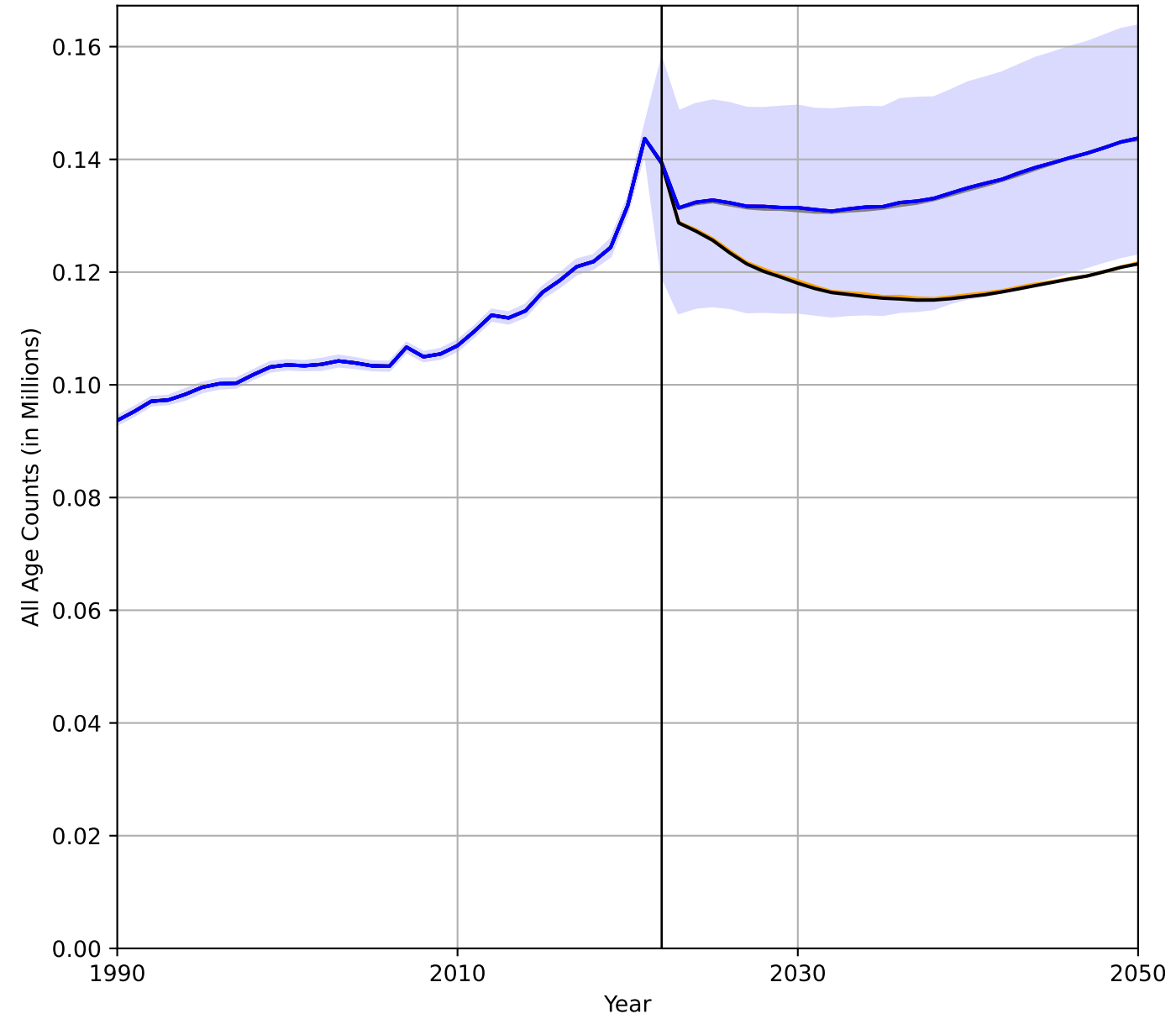
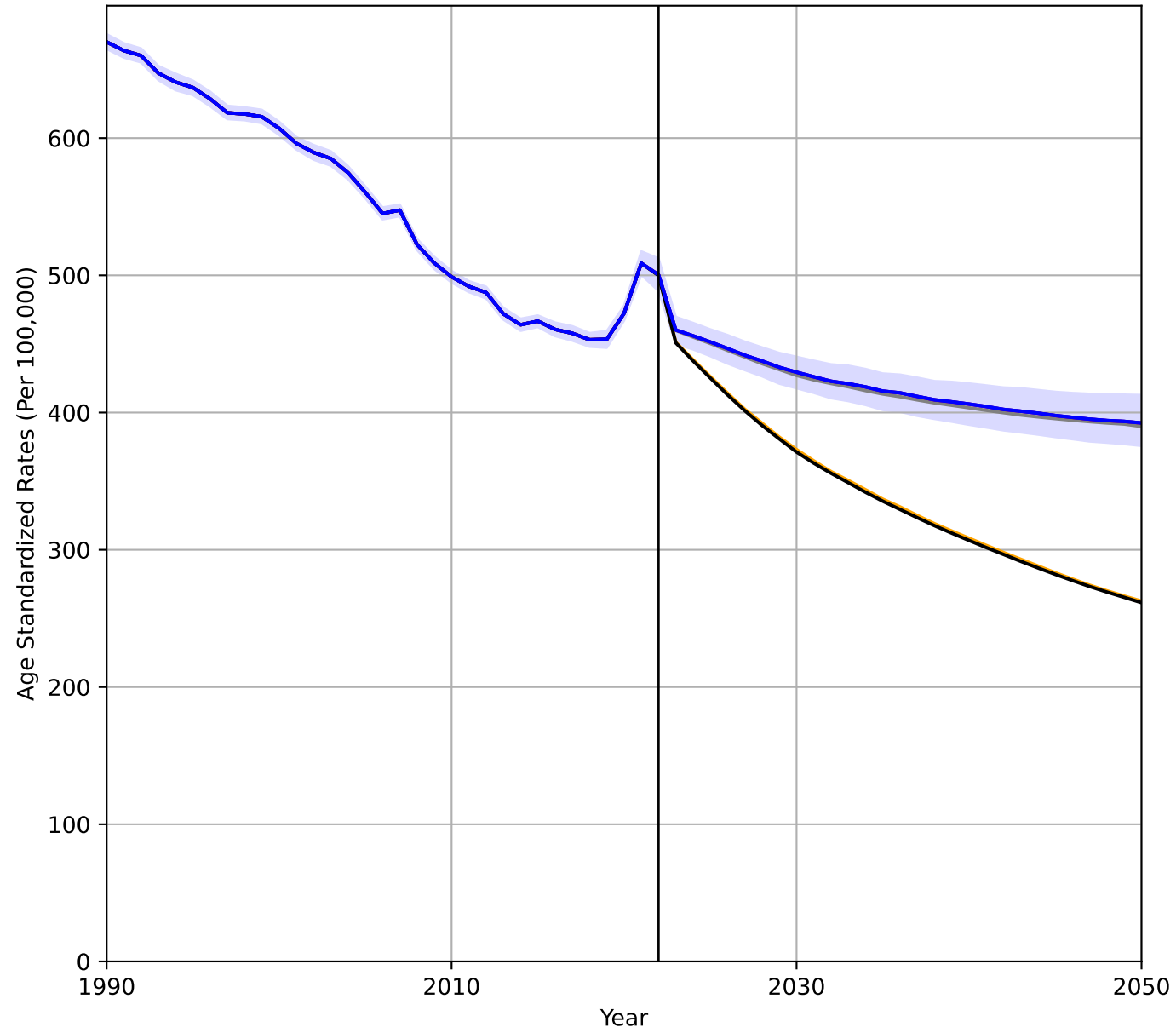
1692



# Greece

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

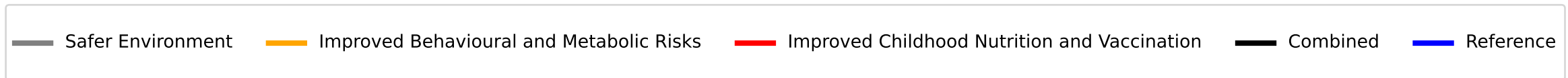
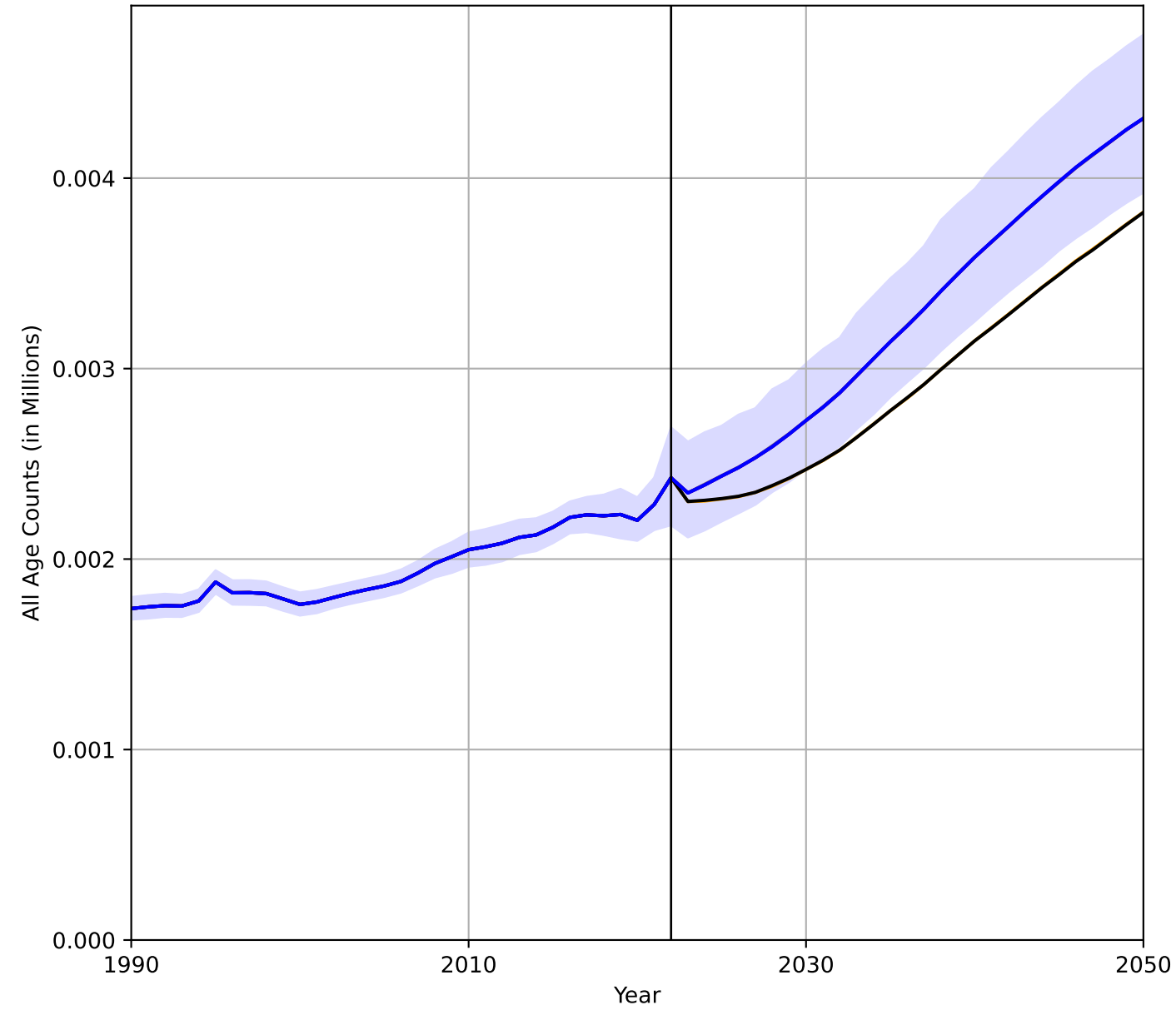
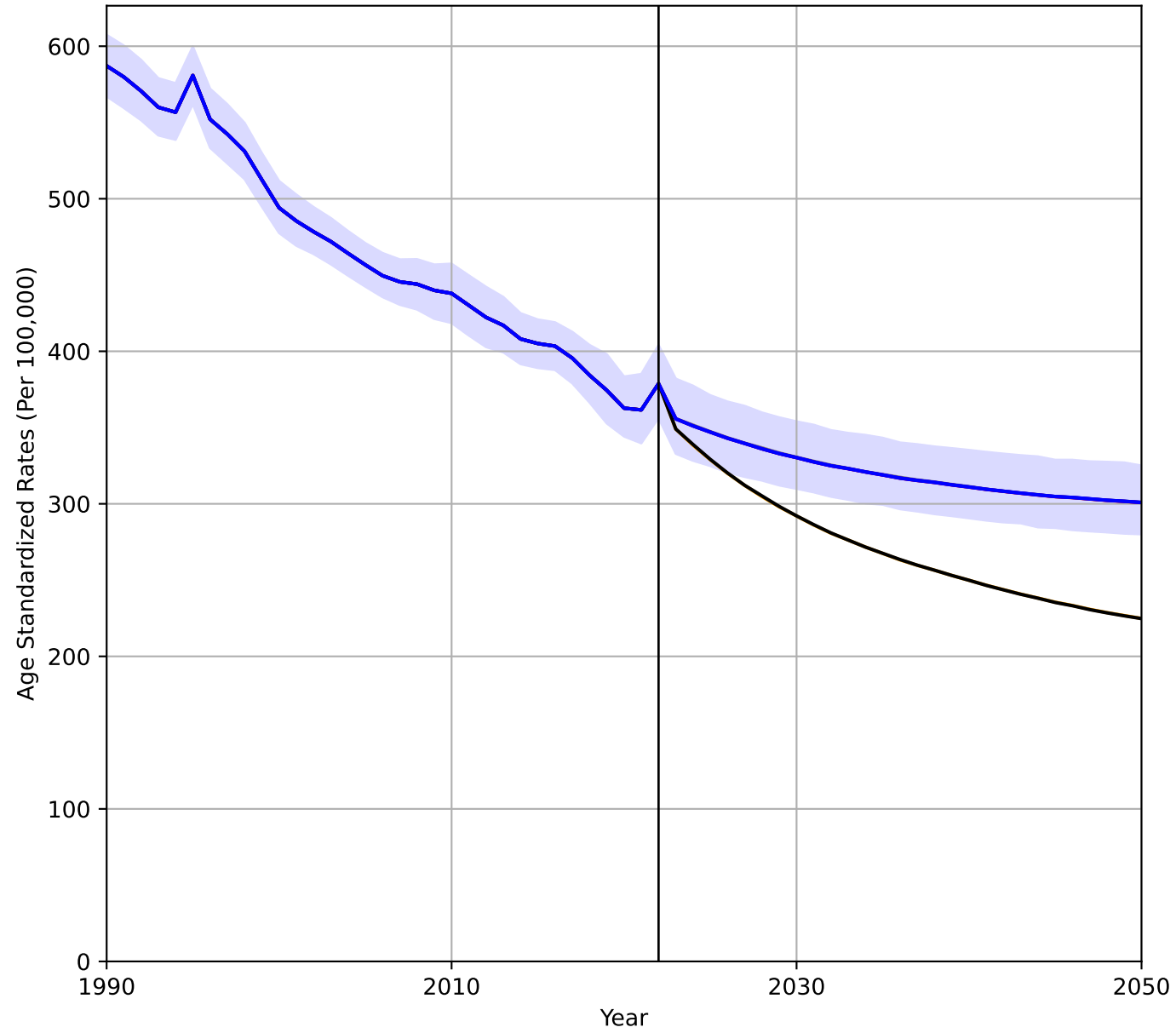
1693



# Iceland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

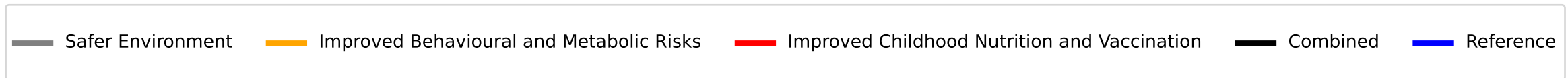
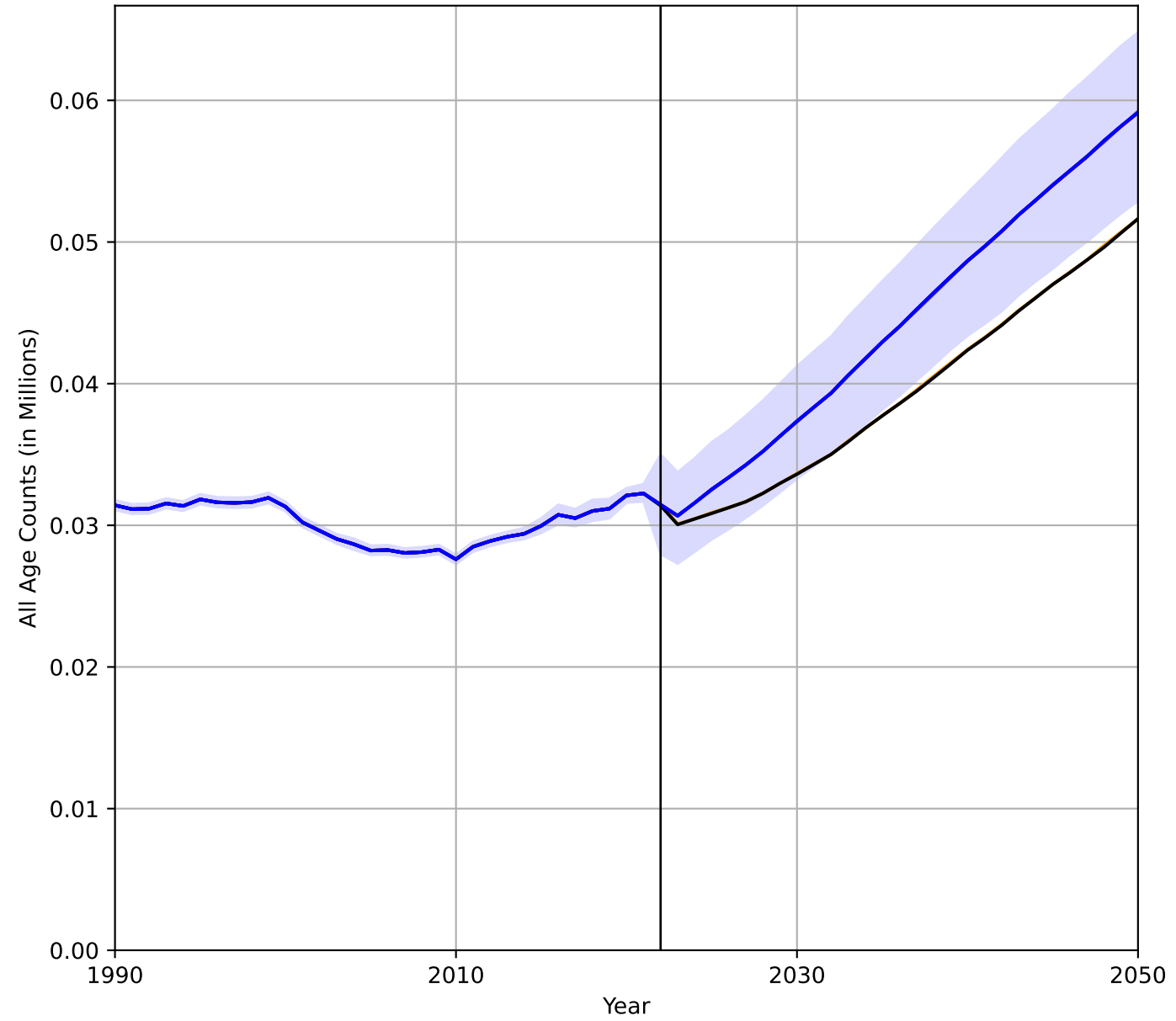
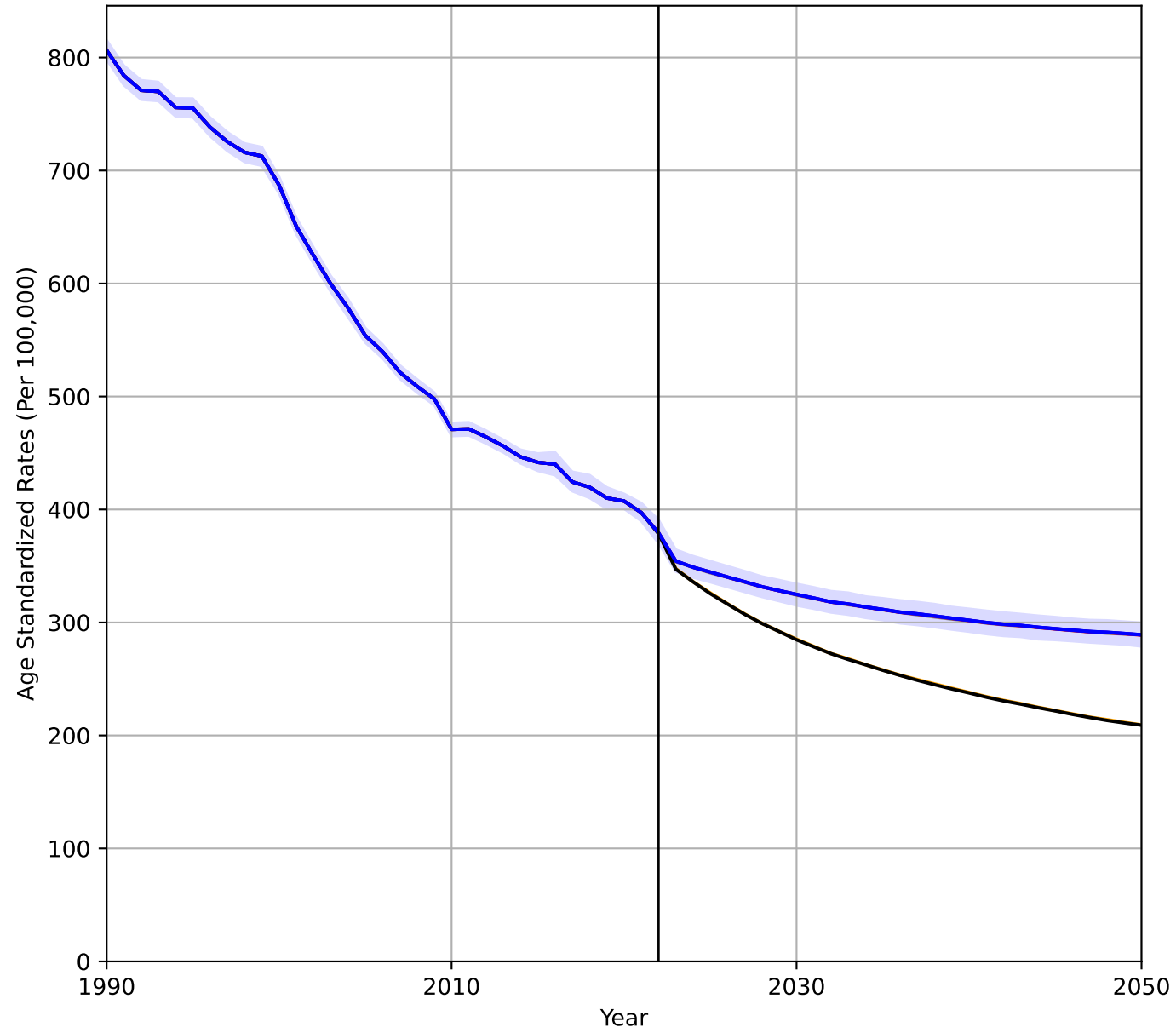
1694



# Ireland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1695

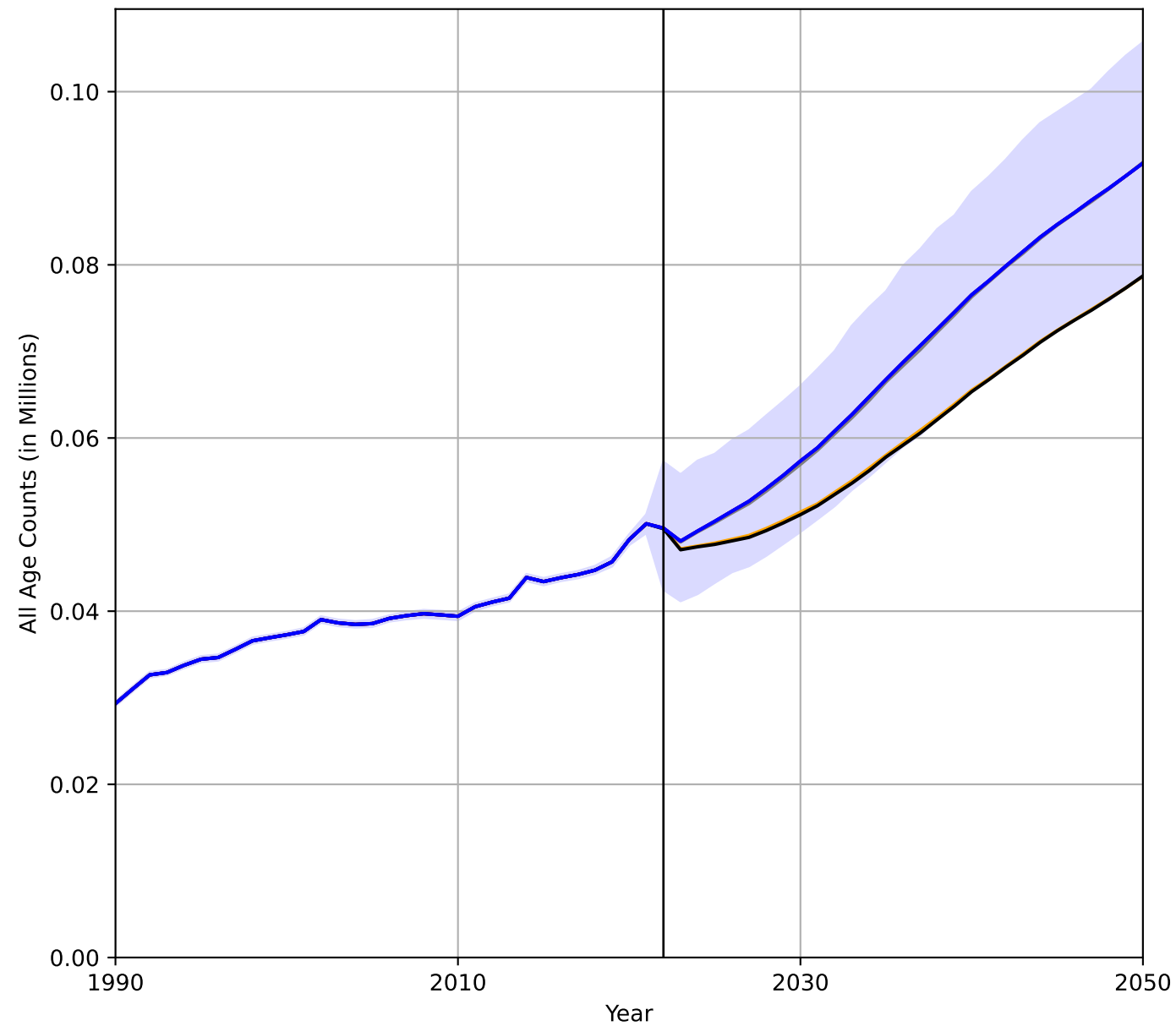
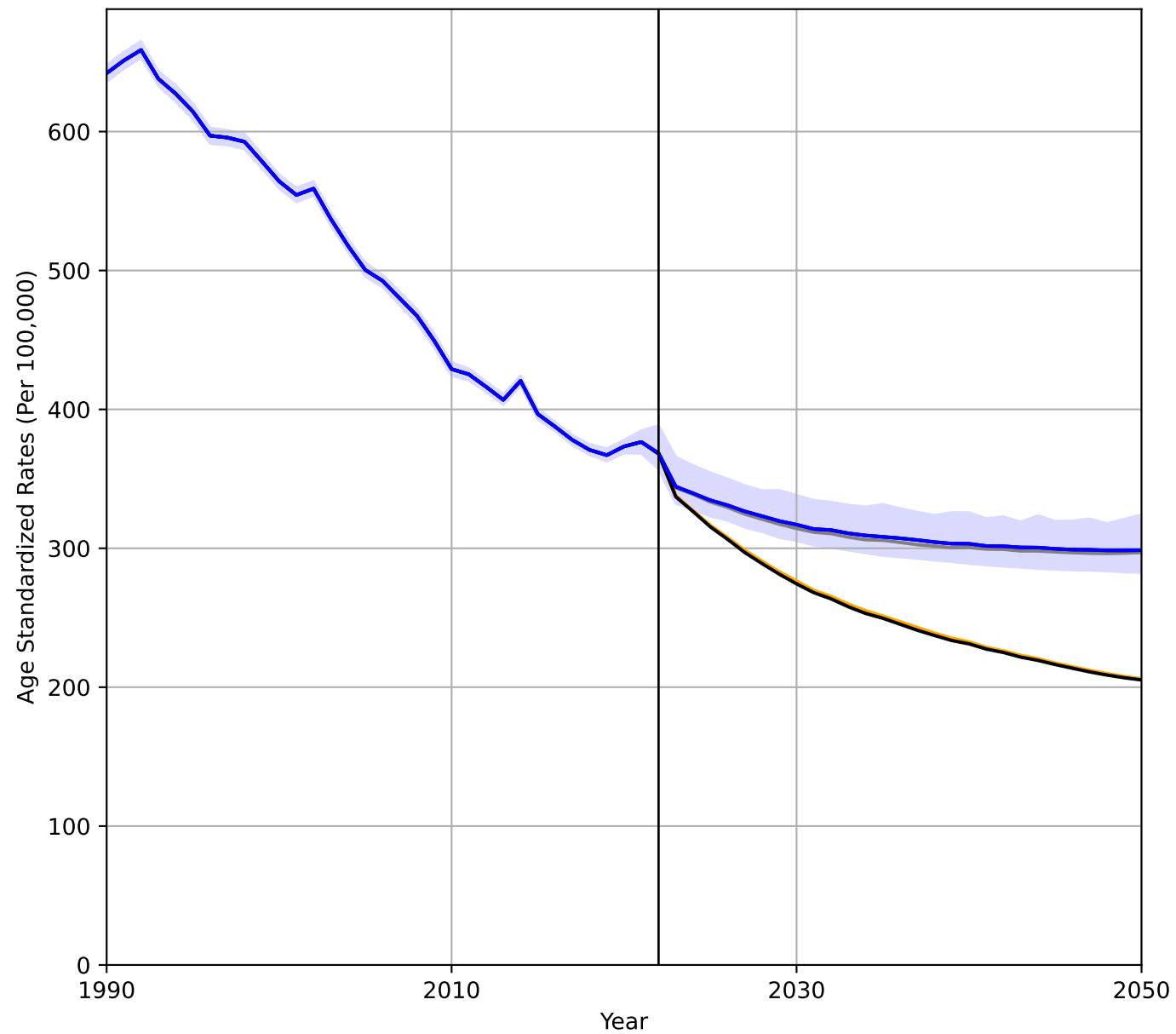




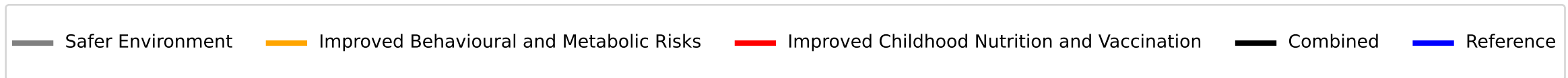
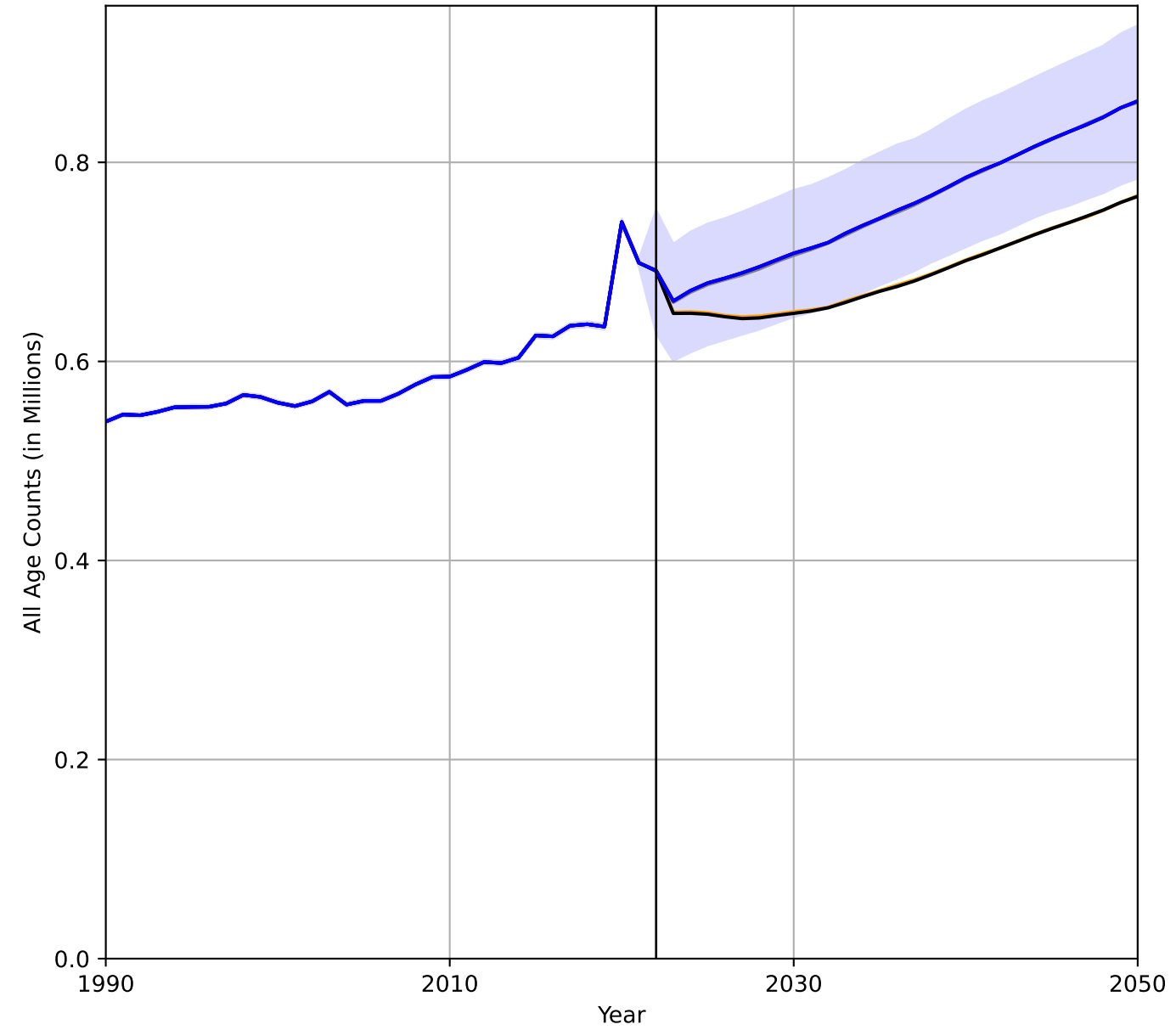
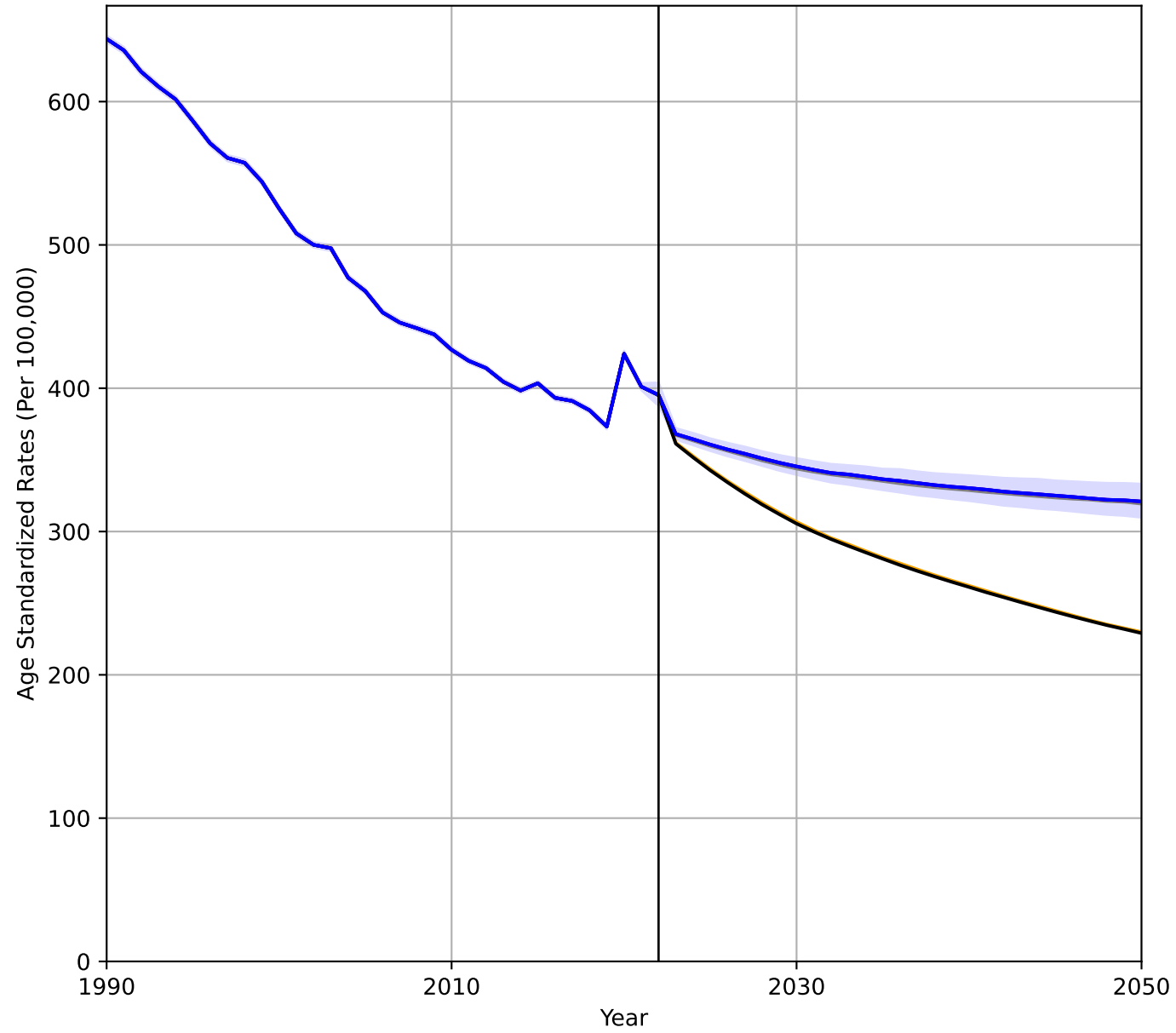
# Israel

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1696



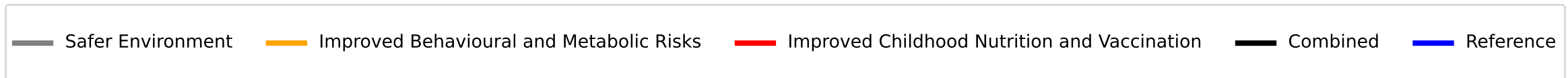
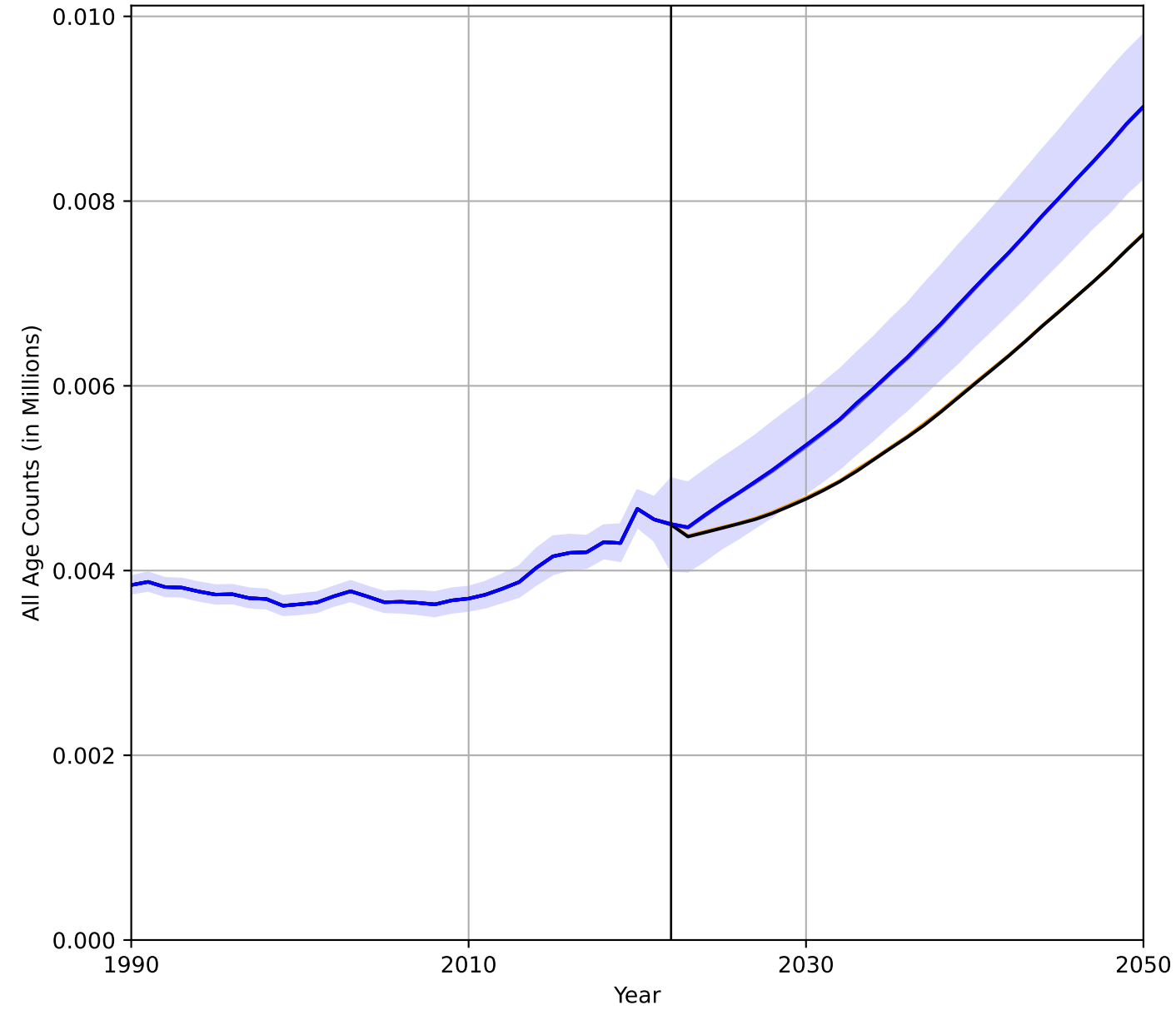
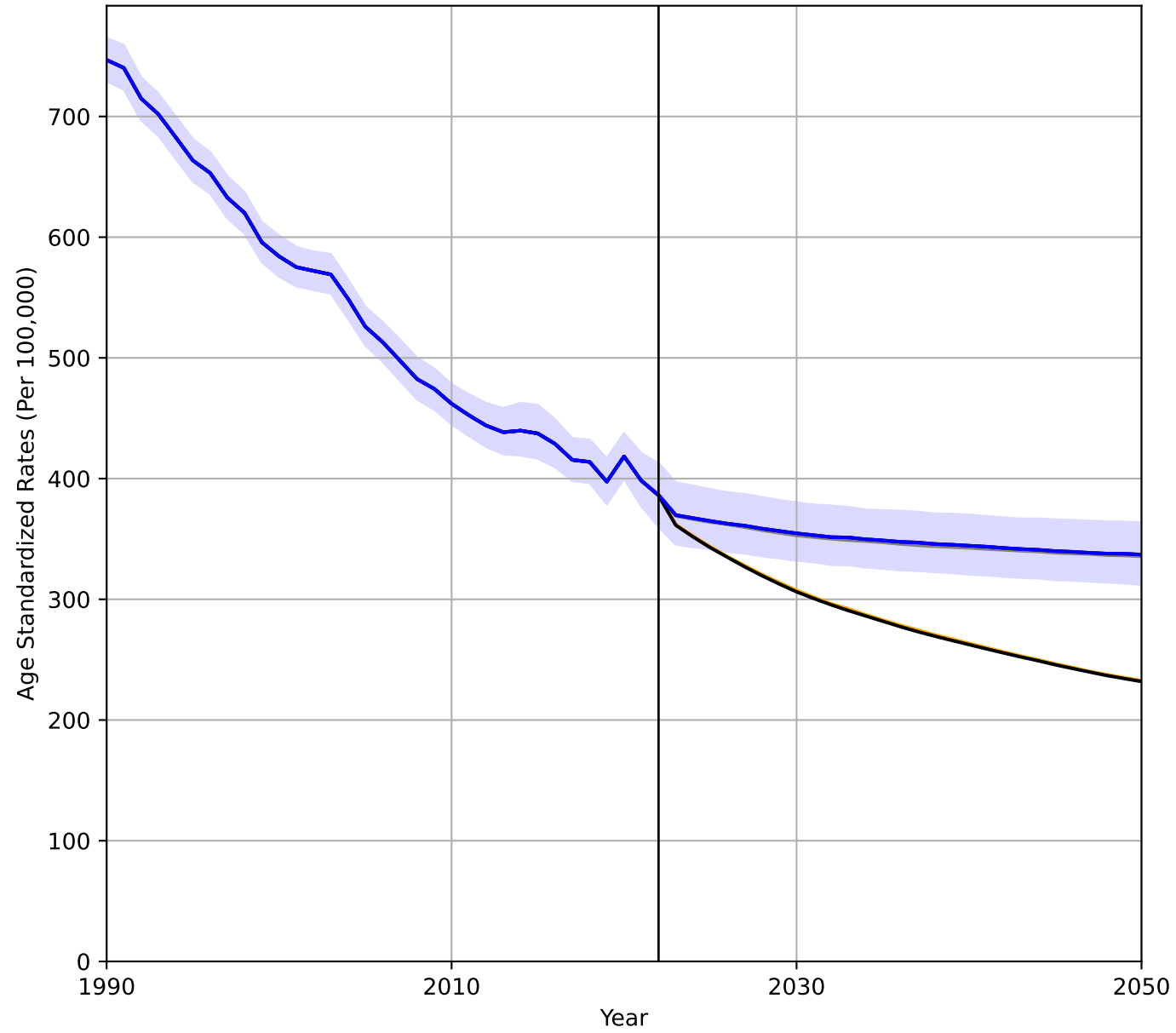
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# Luxembourg

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

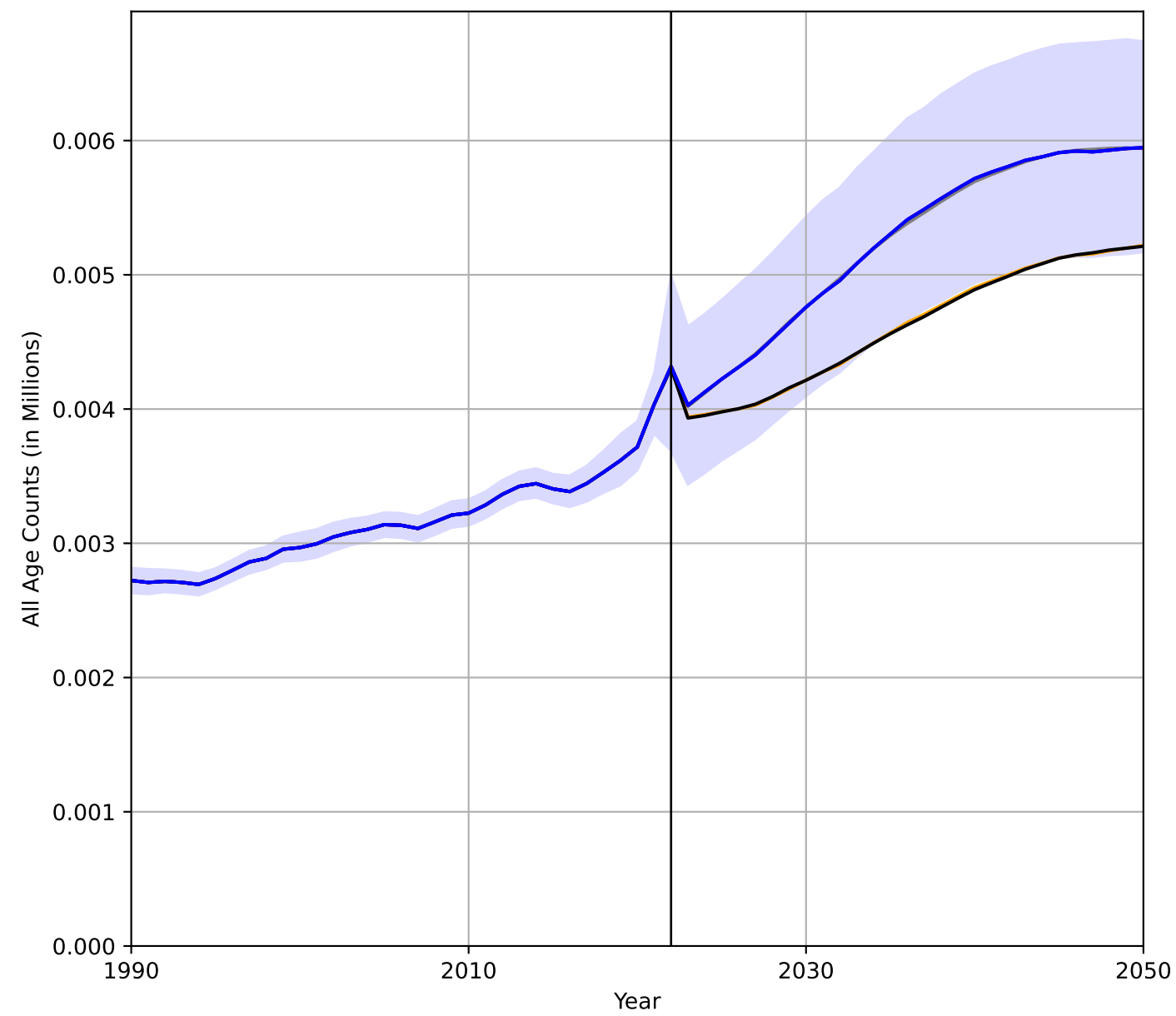
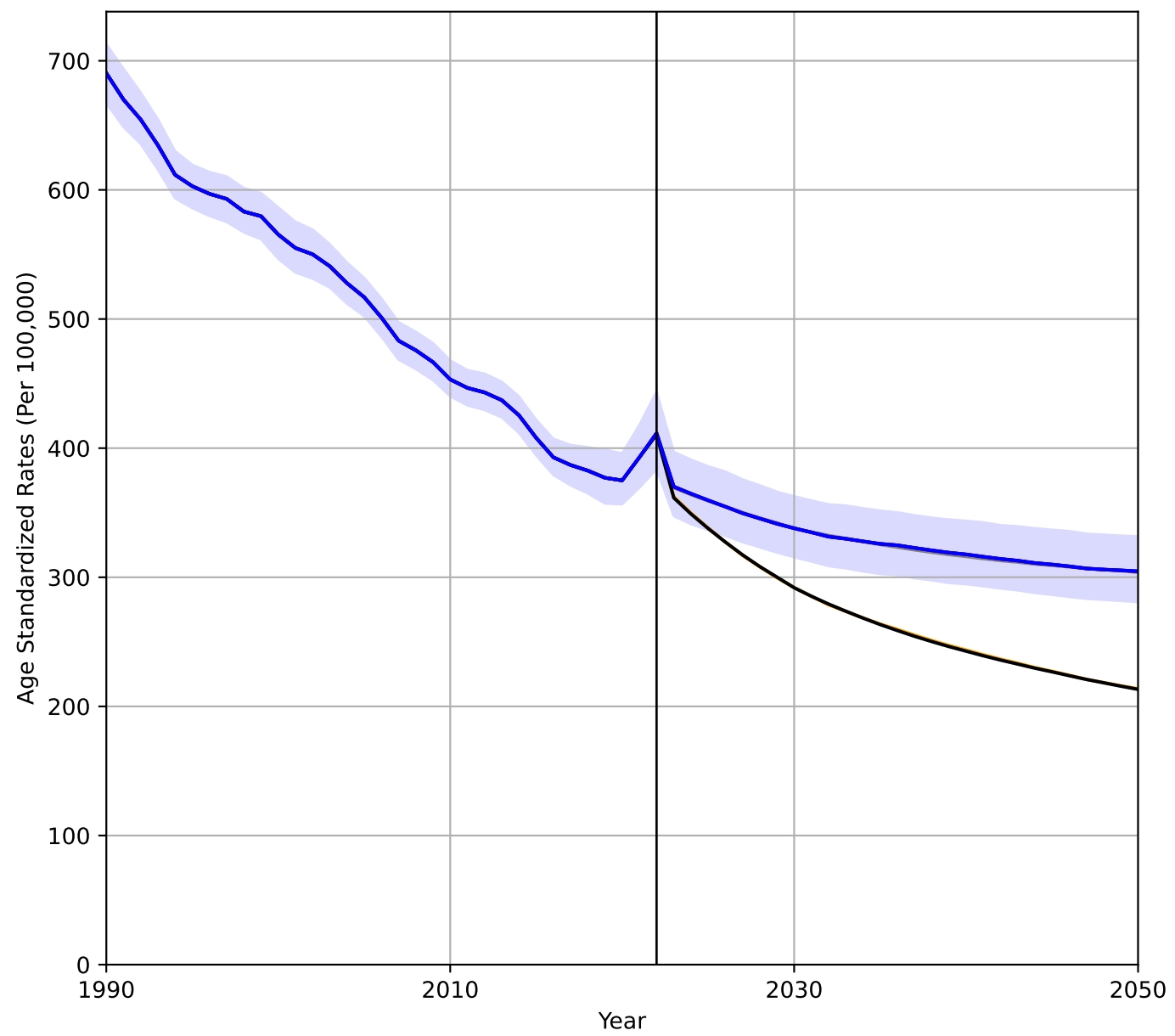
1698



# Malta

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

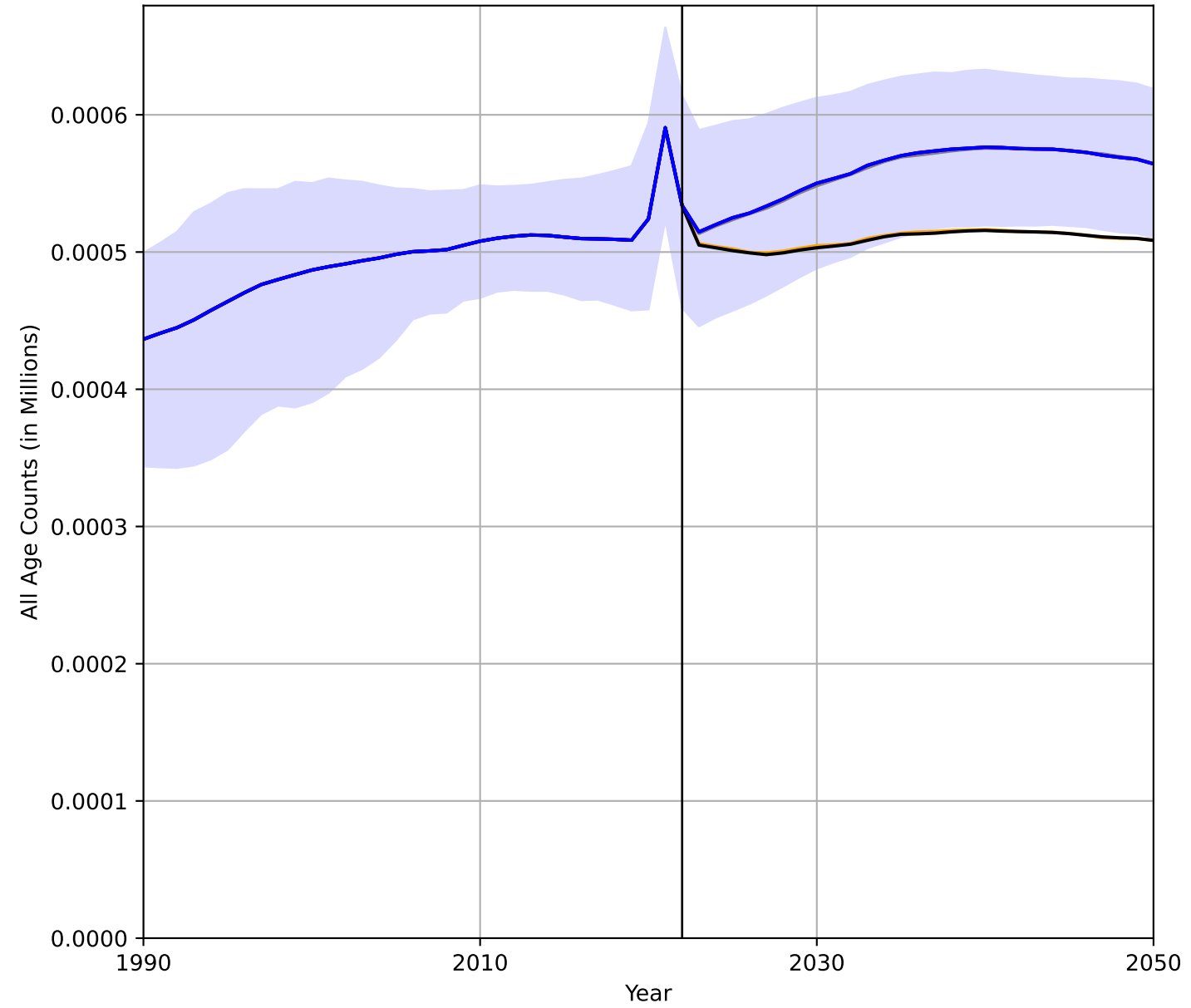
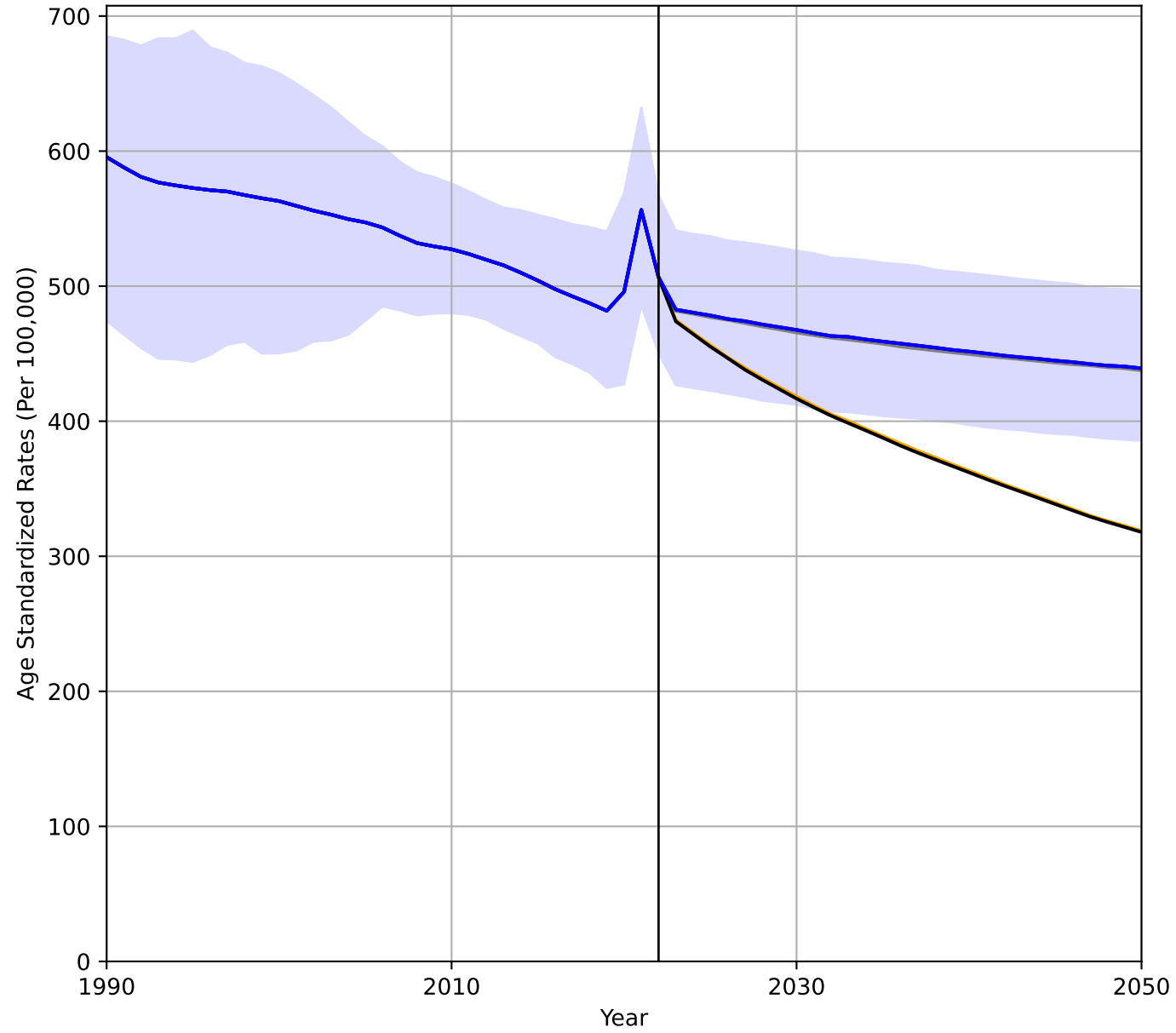
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# Monaco

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

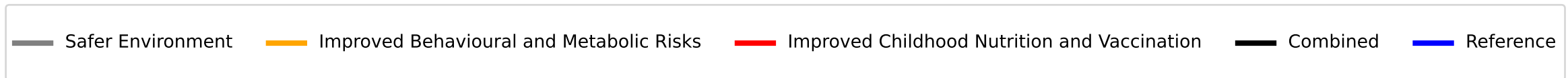
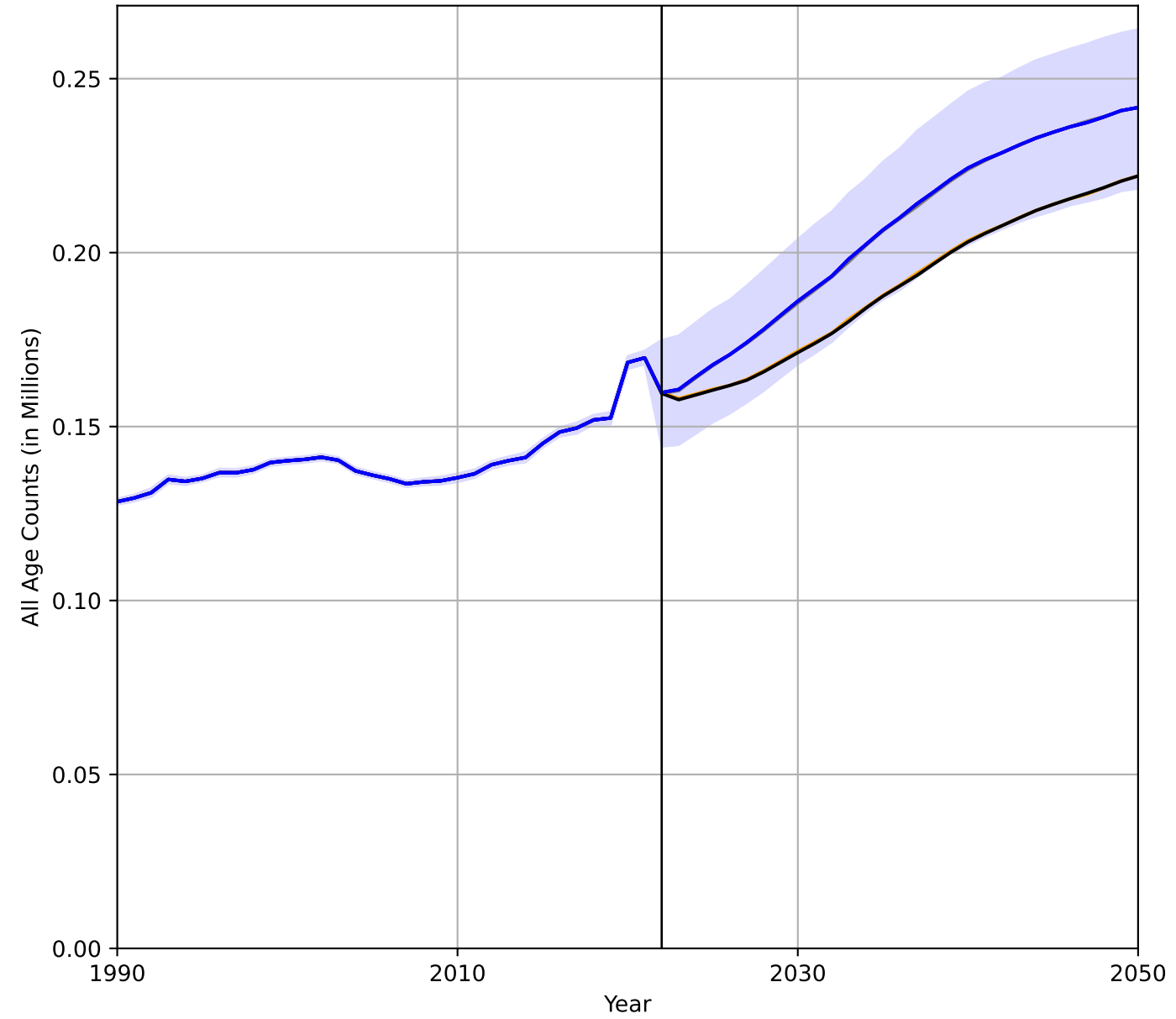
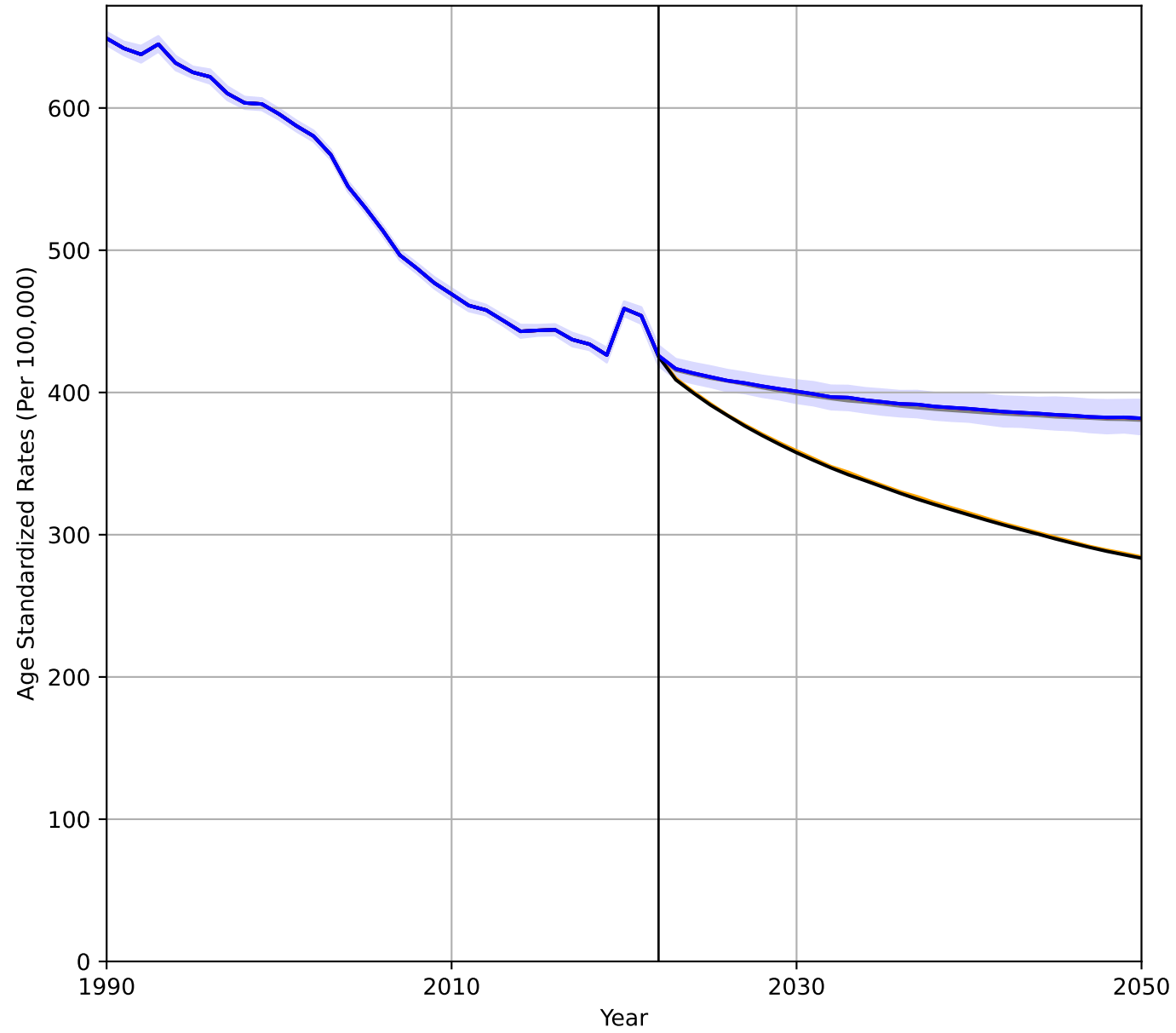
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# Netherlands

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

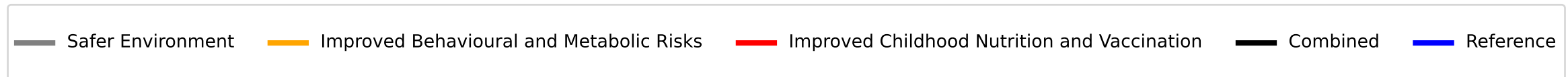
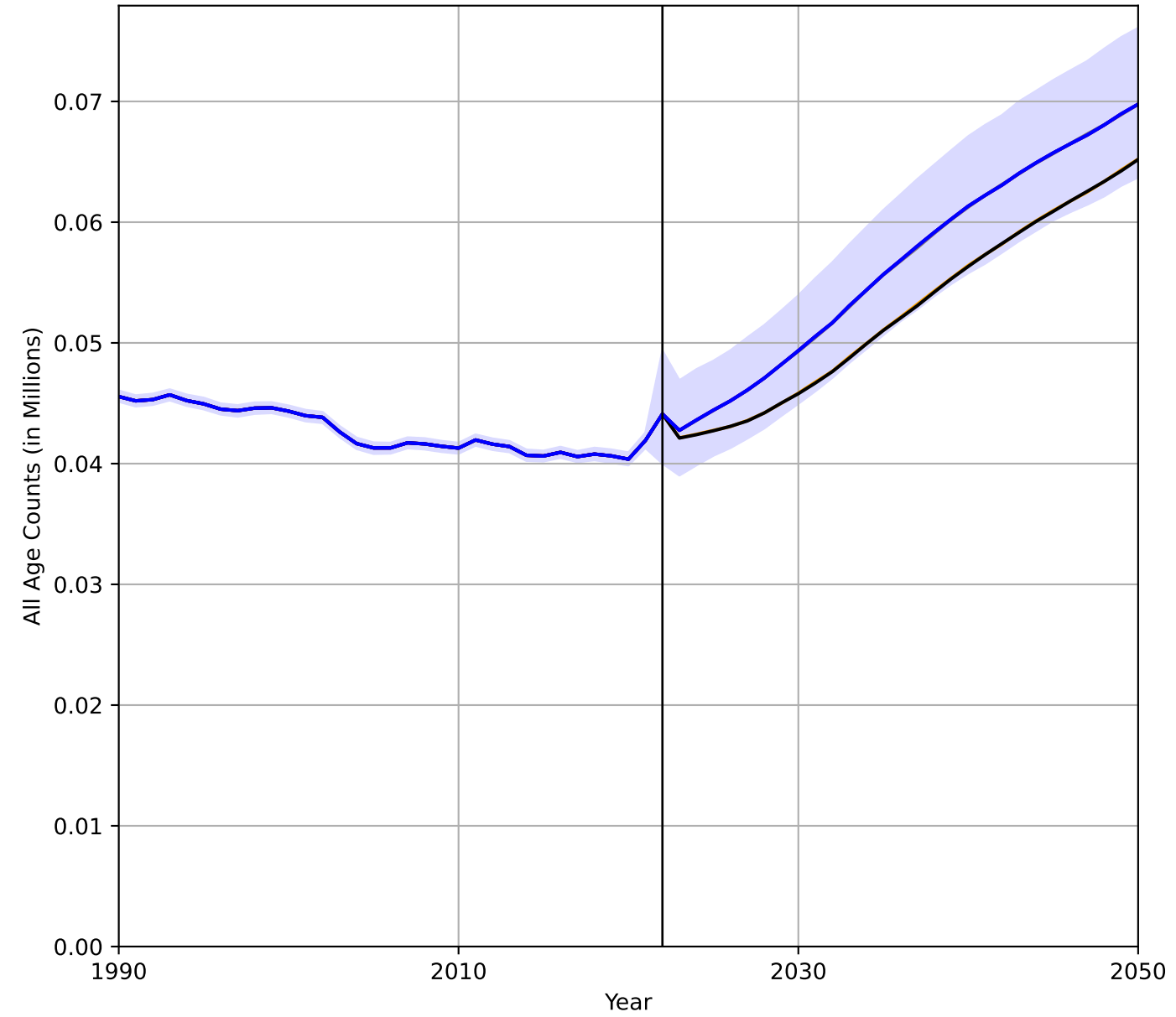
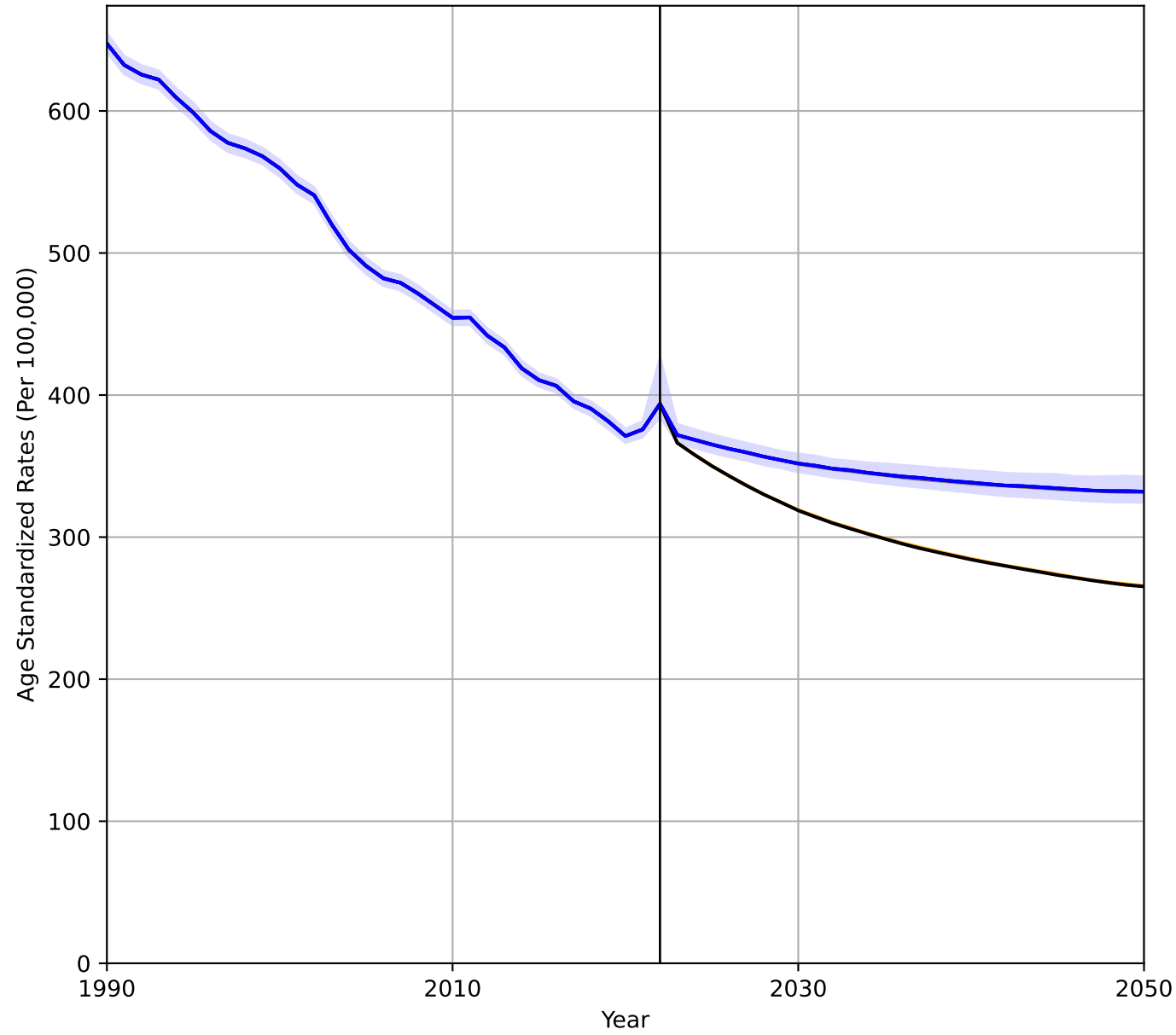
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# Norway

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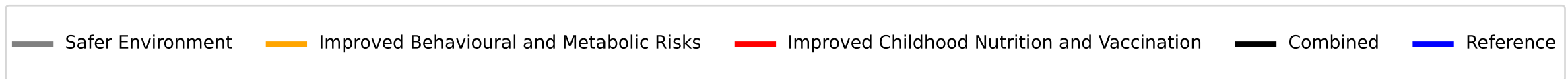
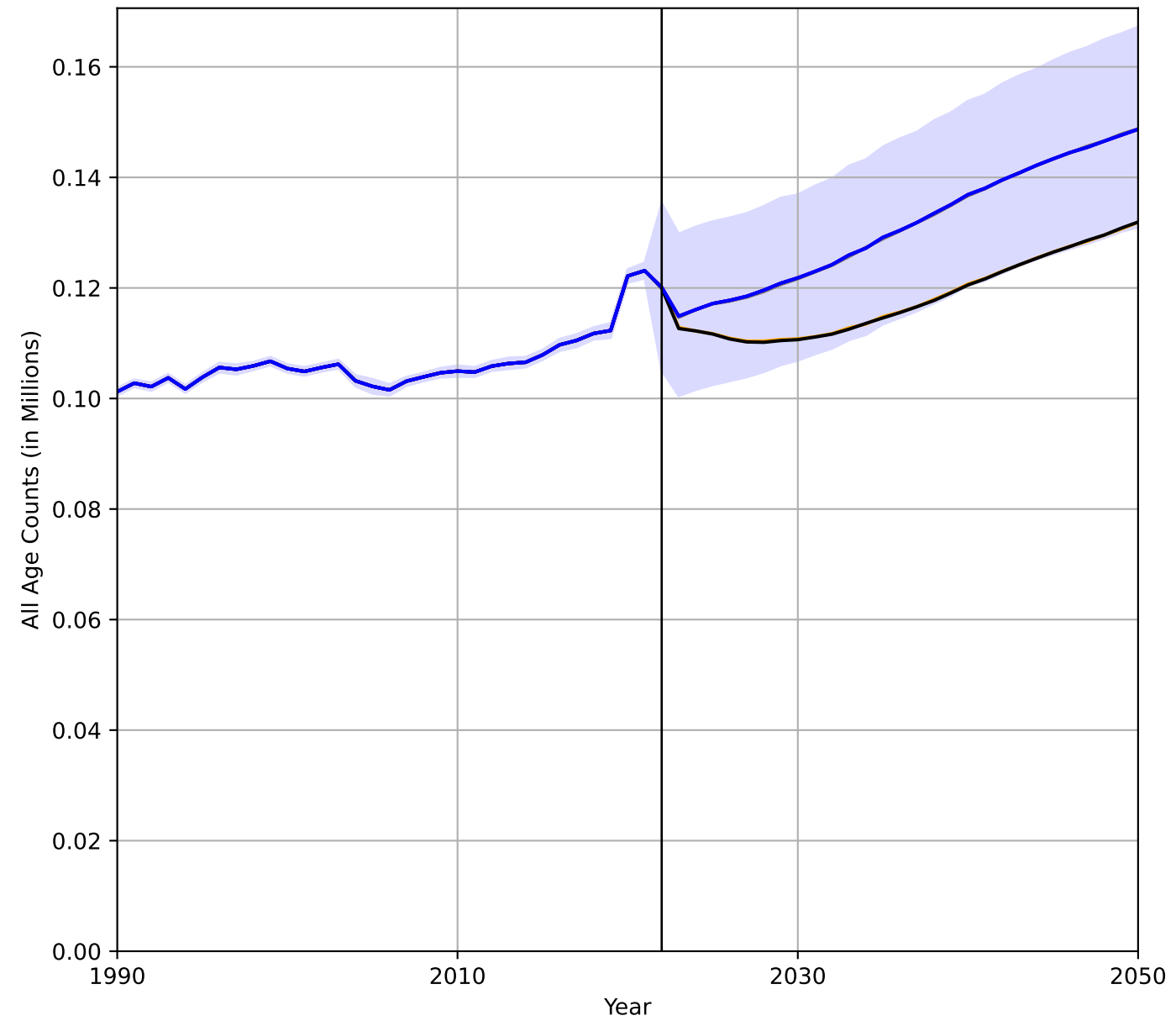
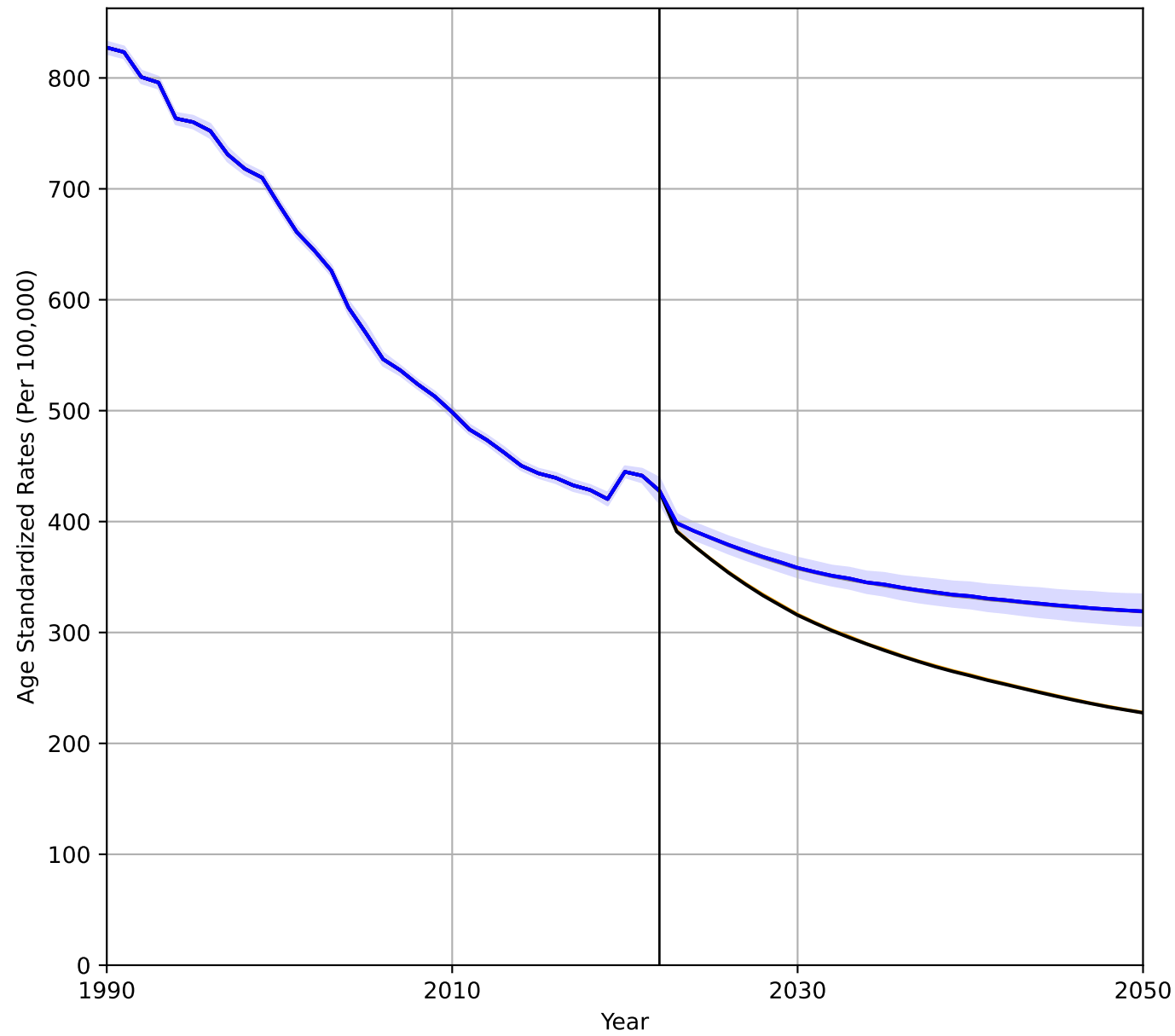
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# Portugal

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1703

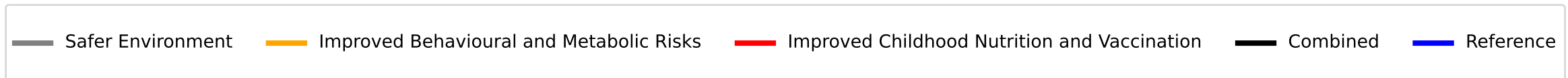
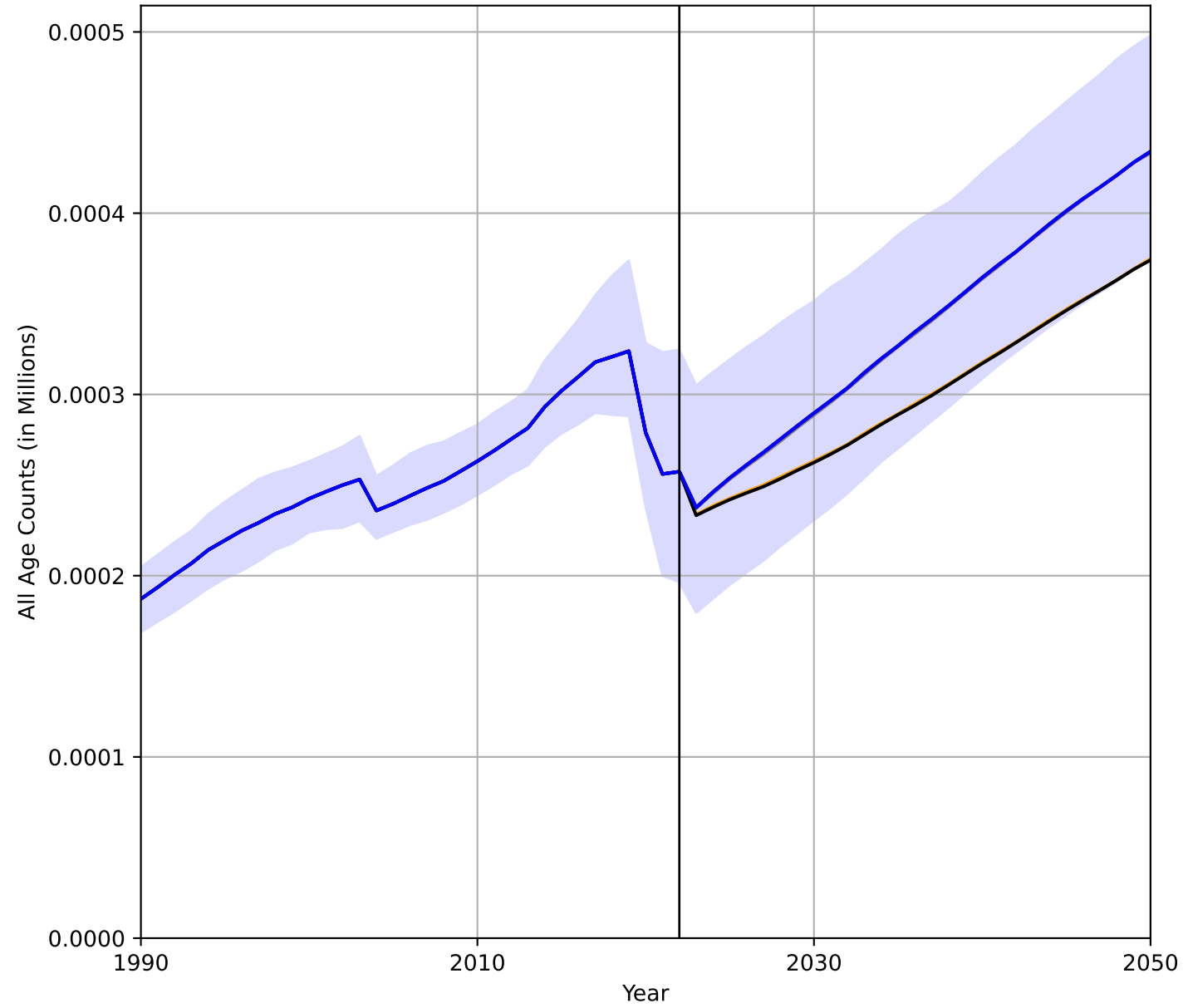
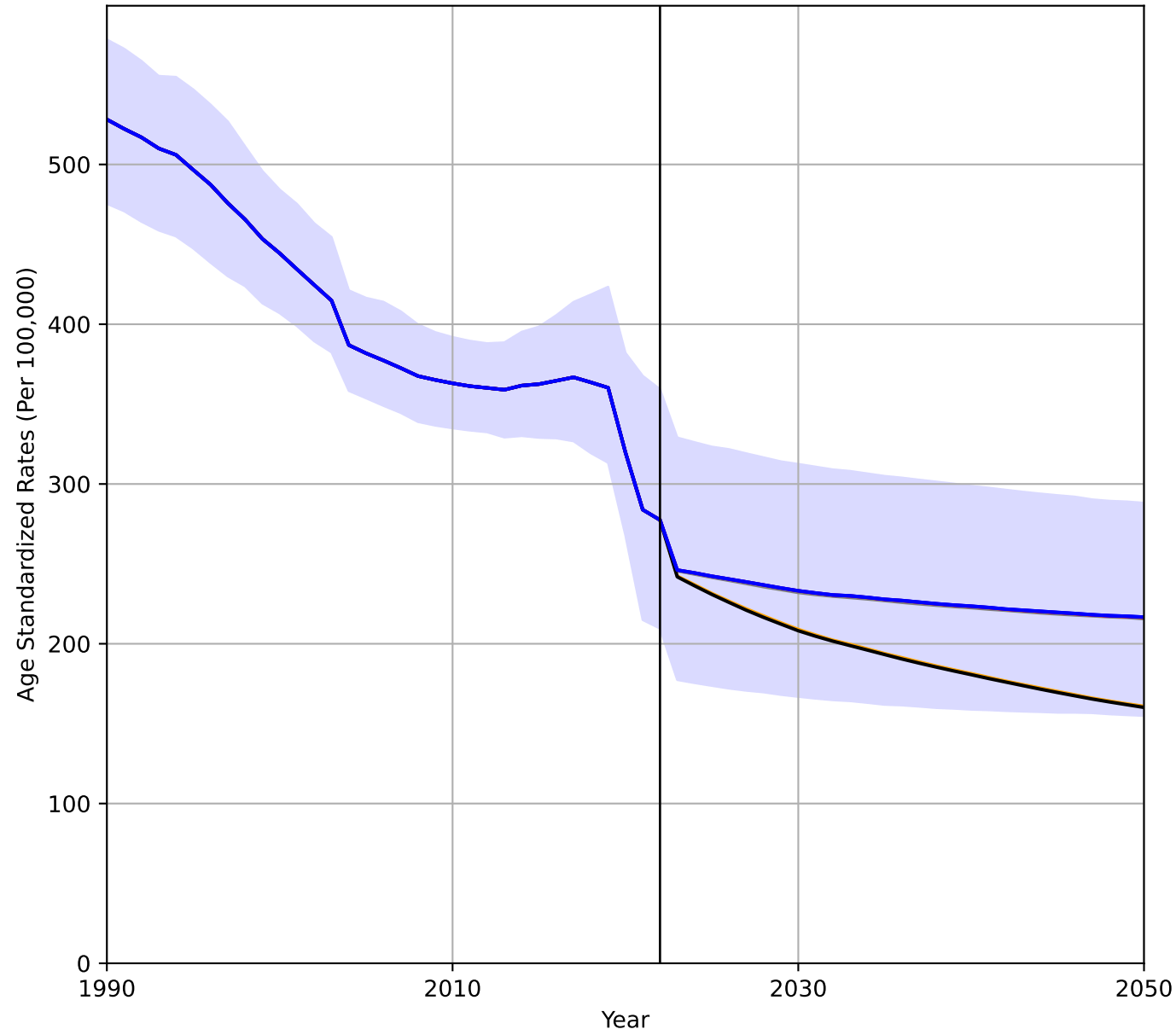




# San Marino

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

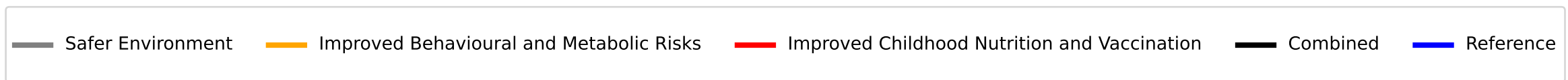
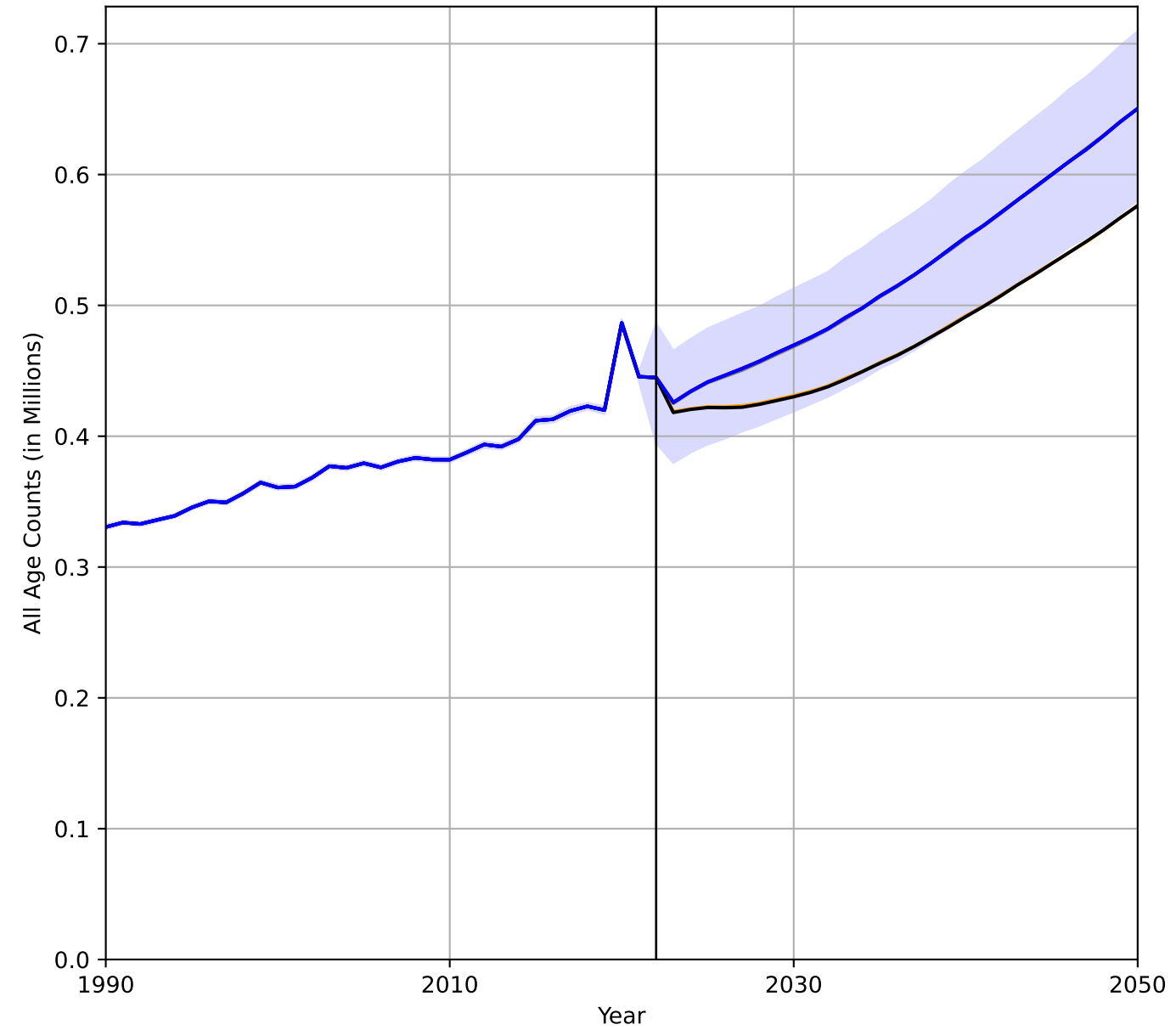
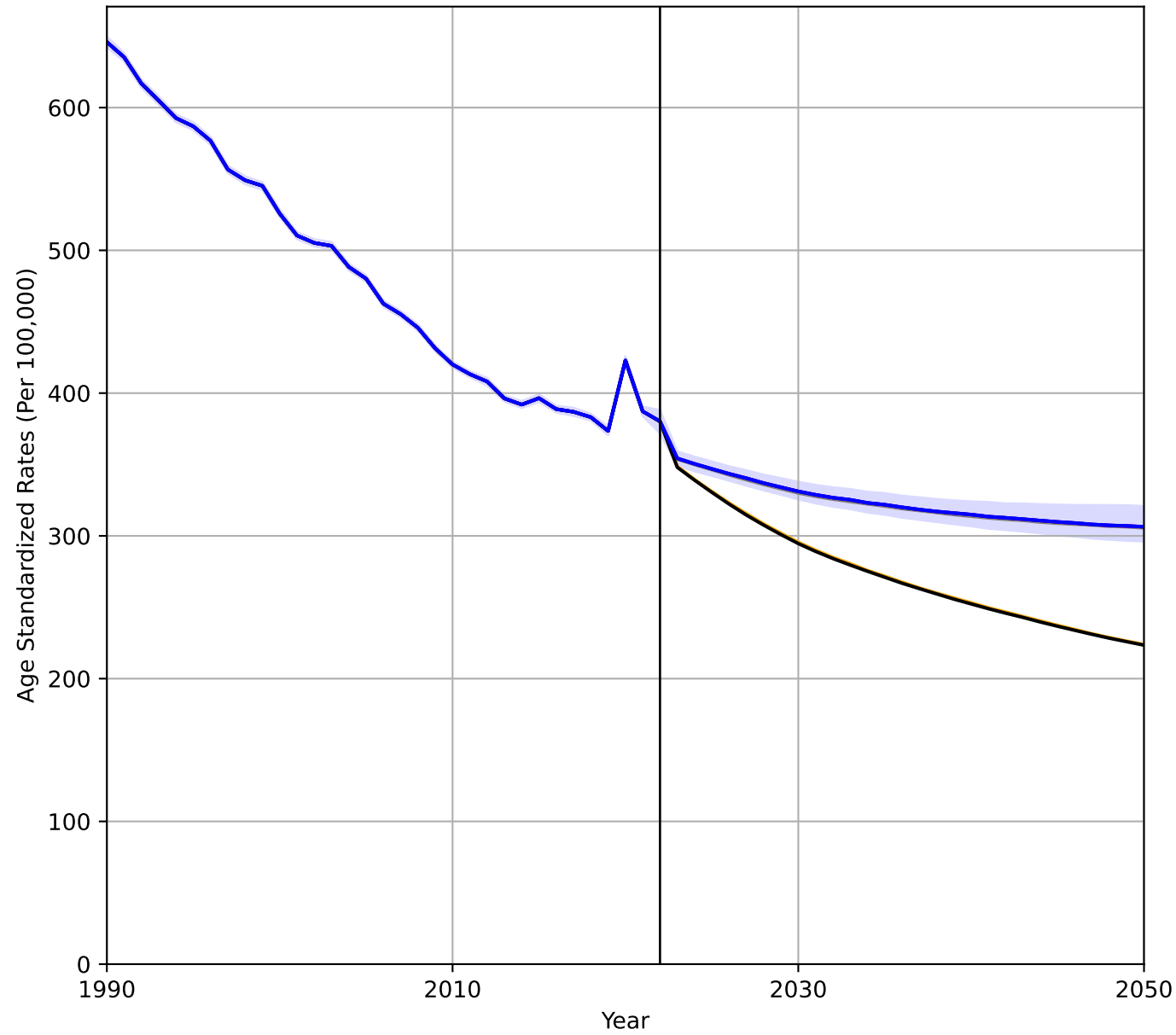
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# Spain

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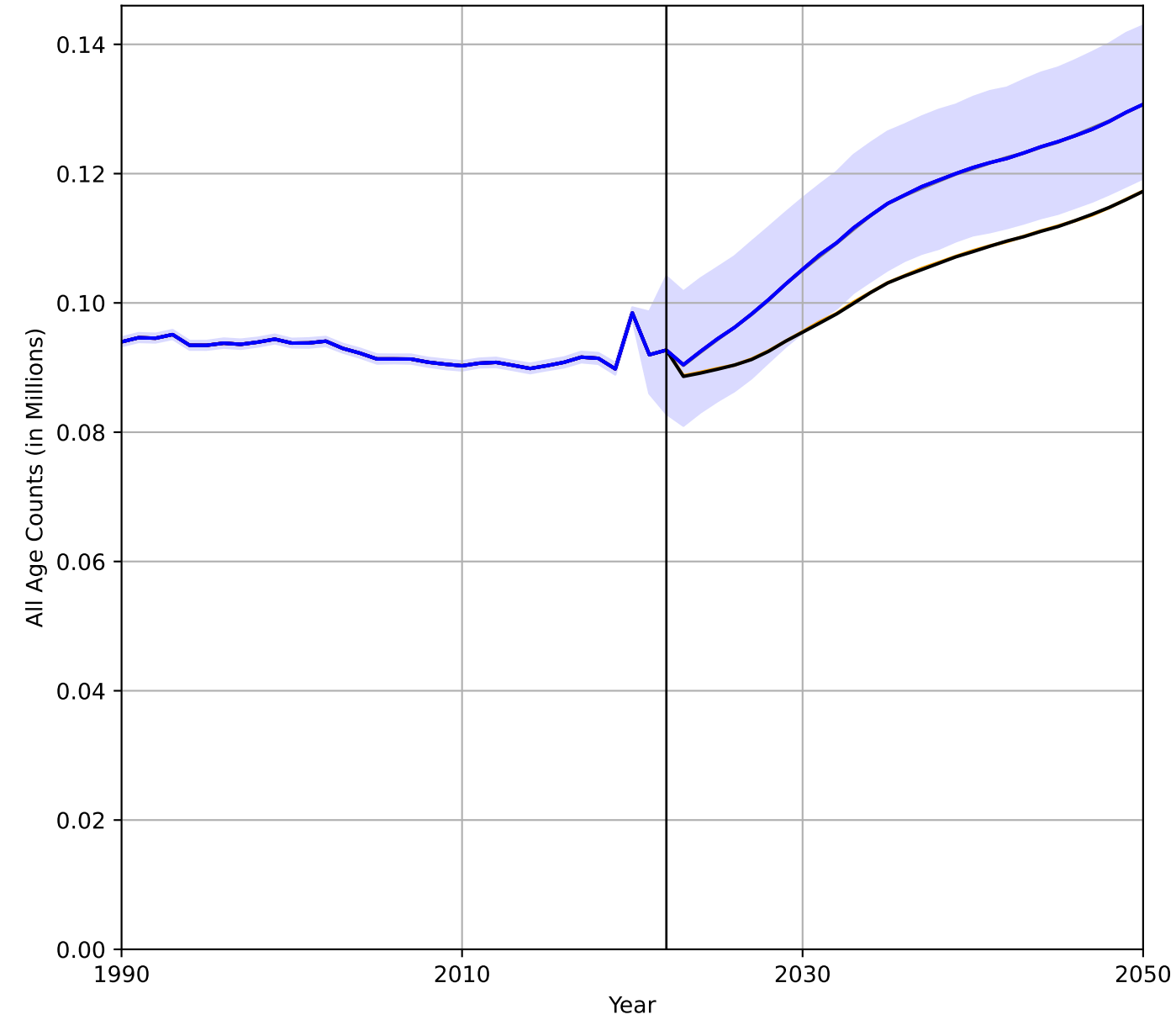
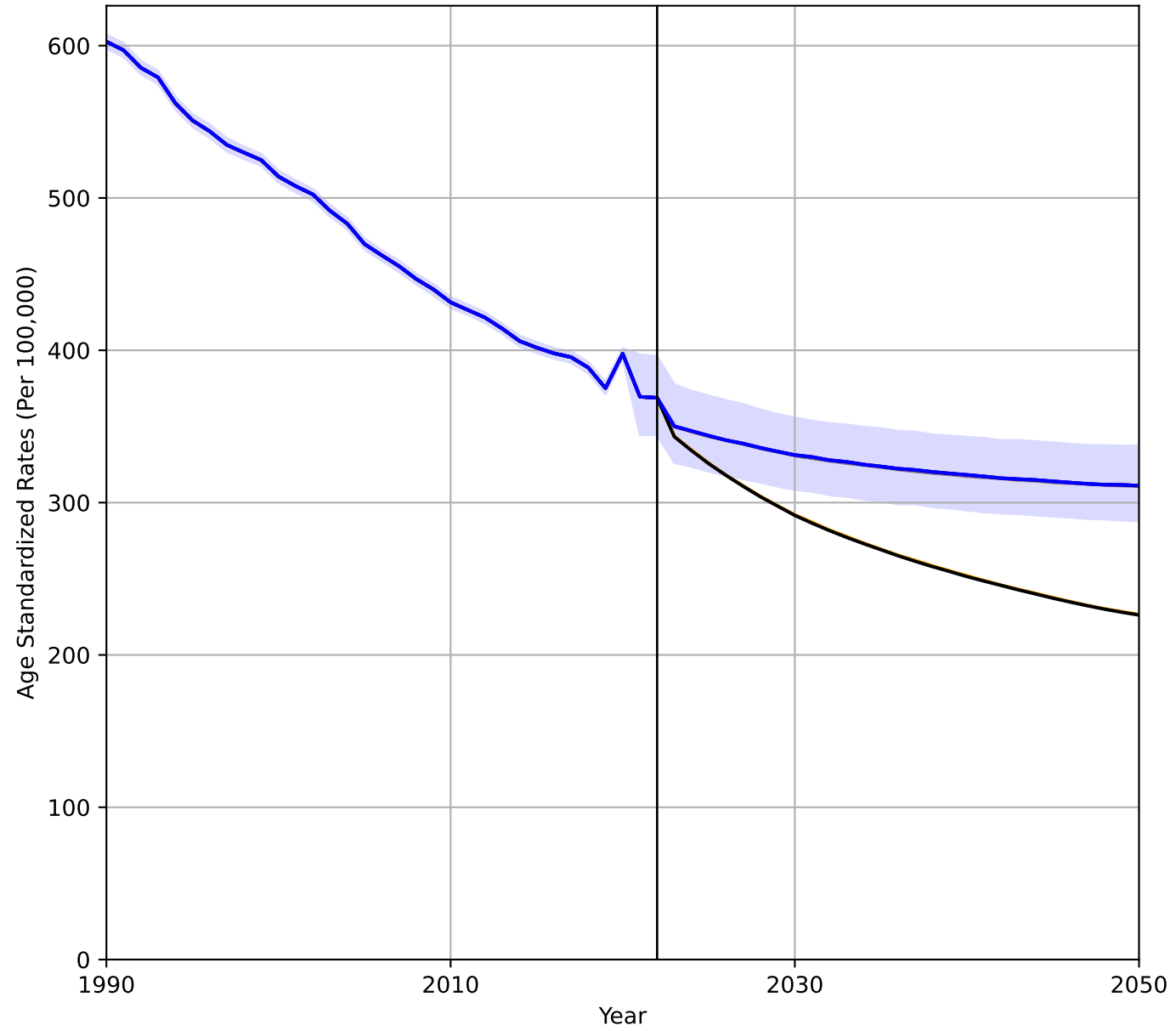
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# Sweden

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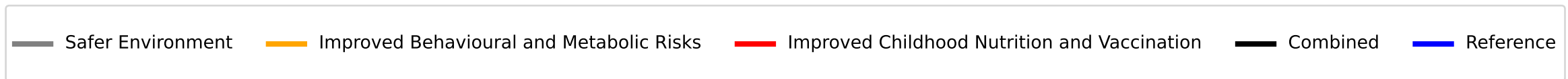
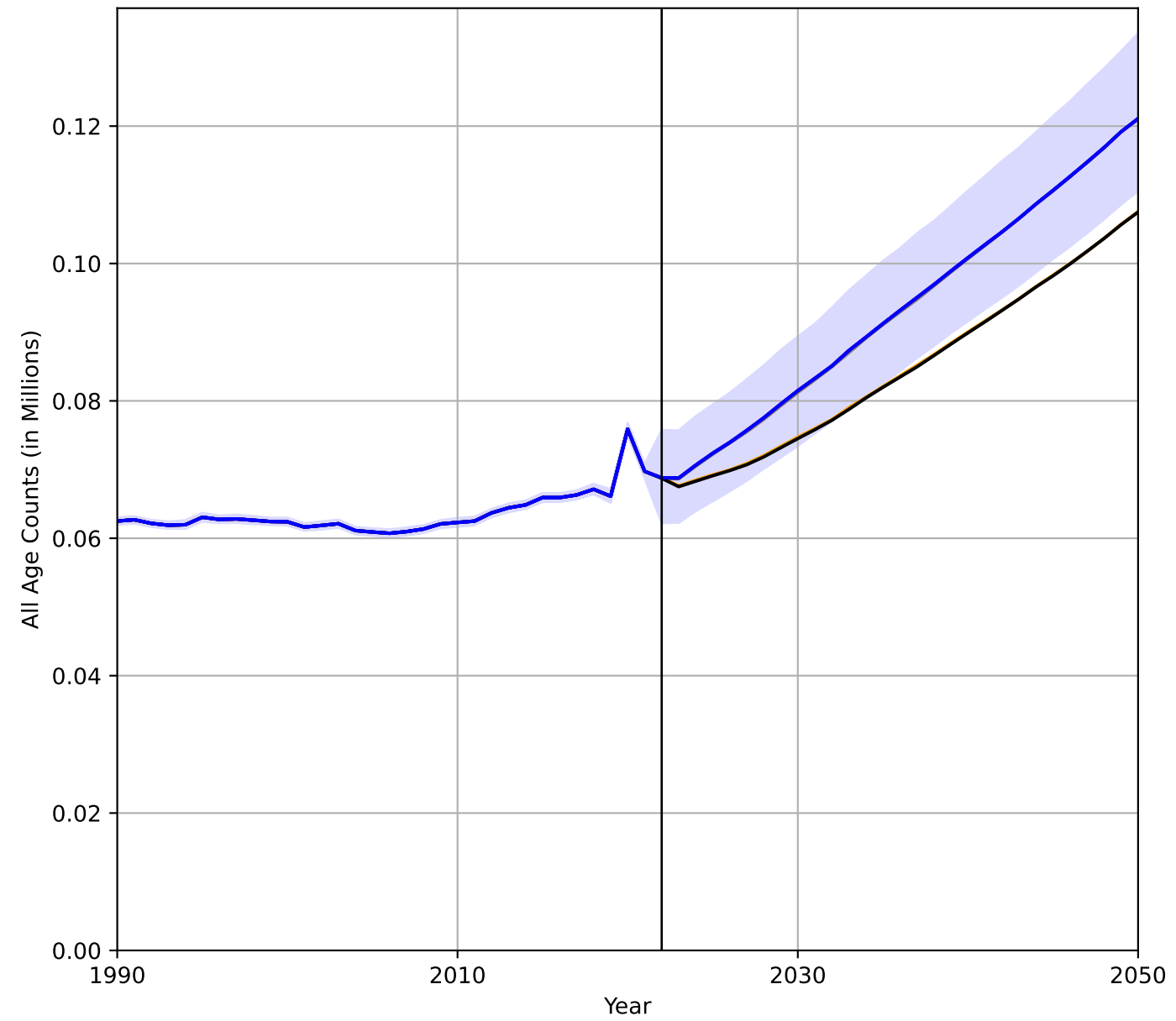
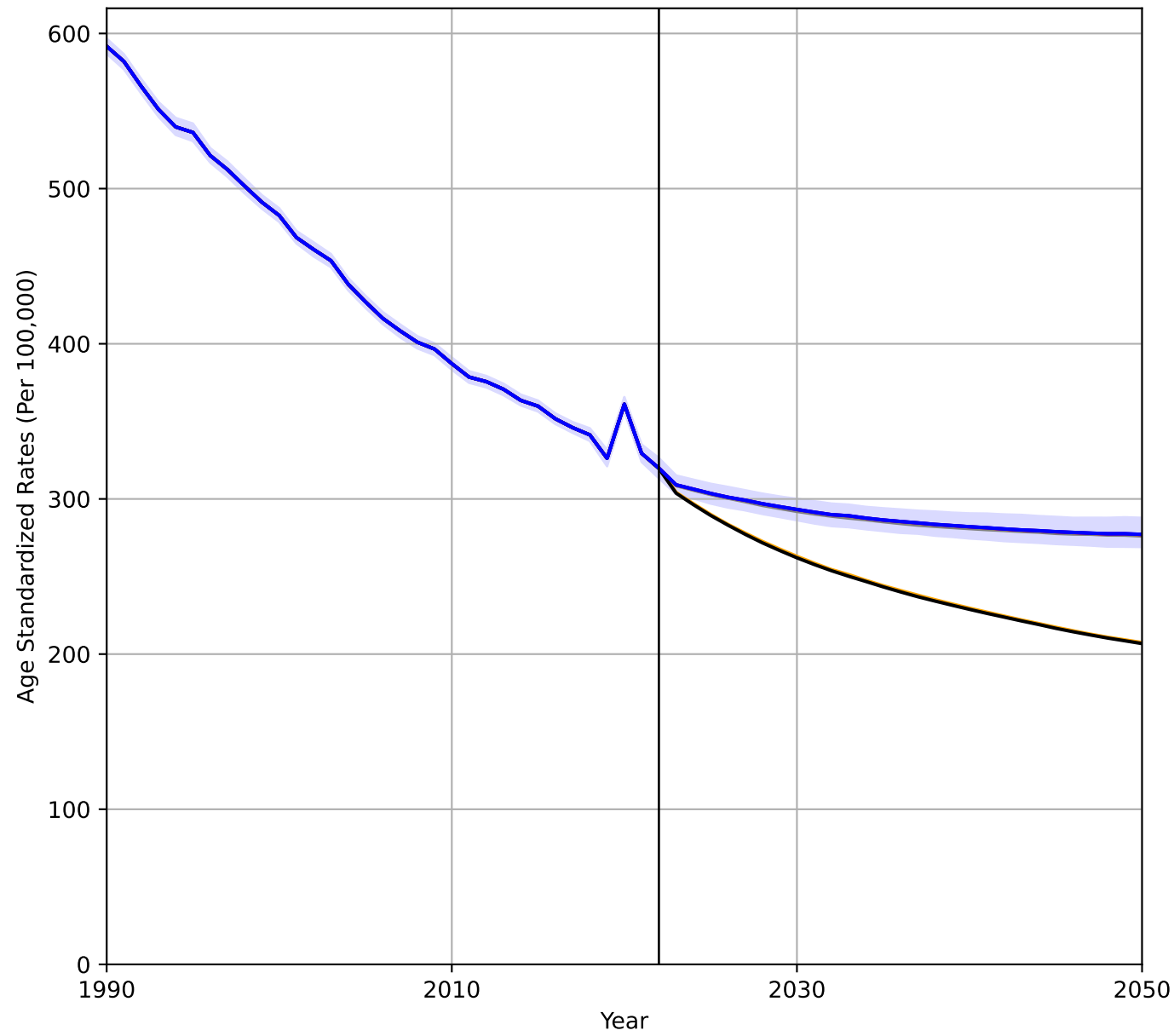
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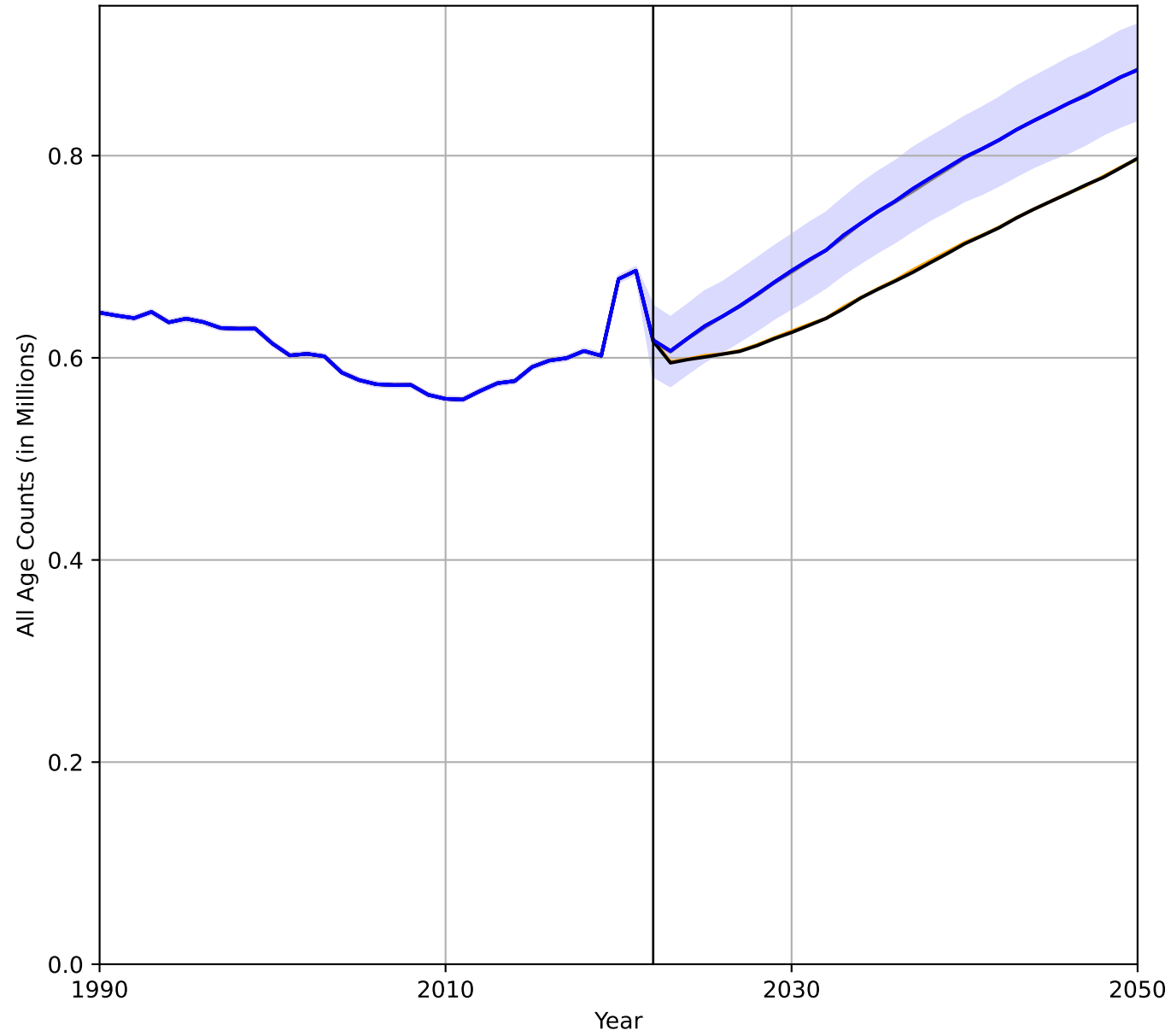
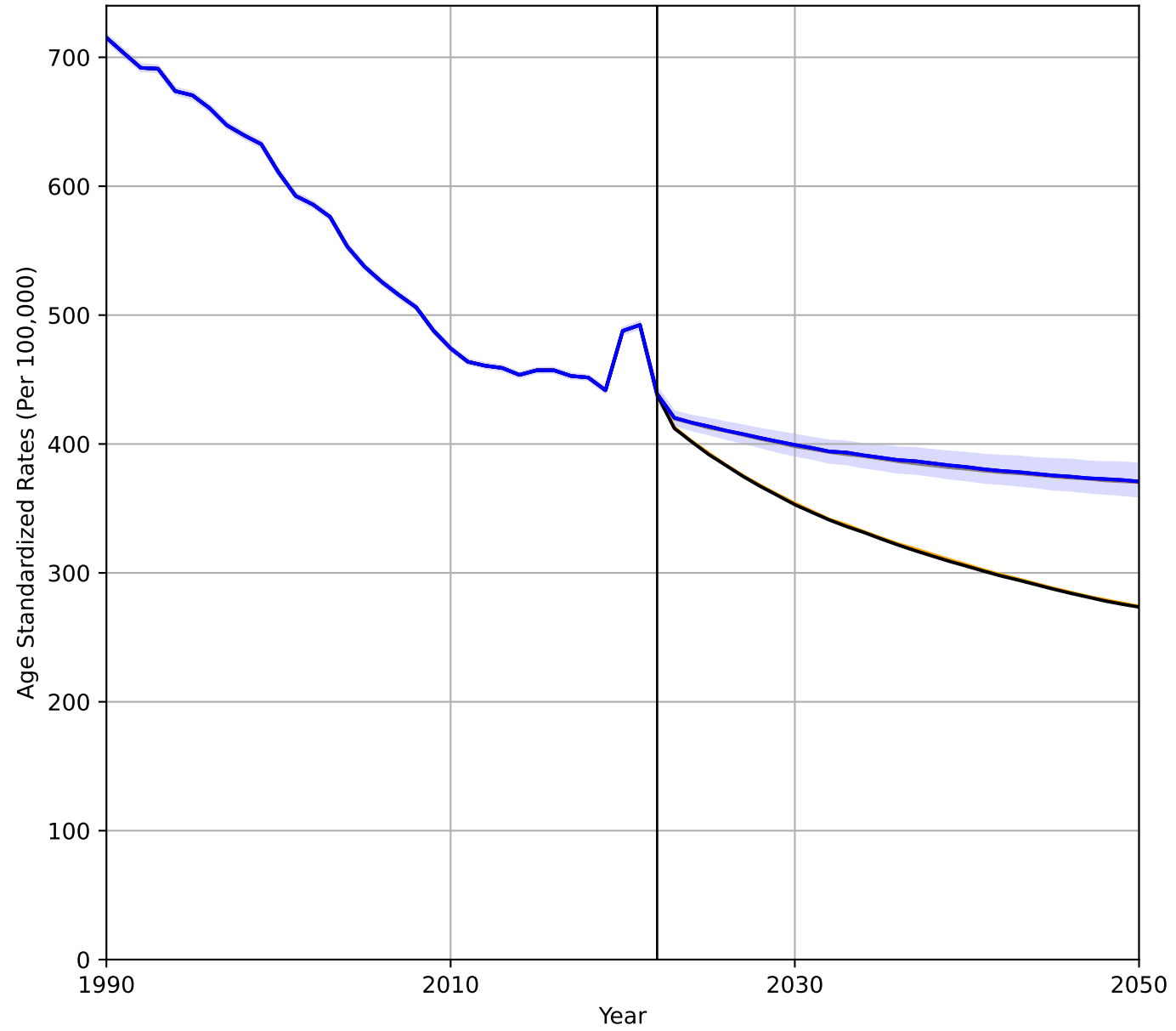
# Switzerland

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1707



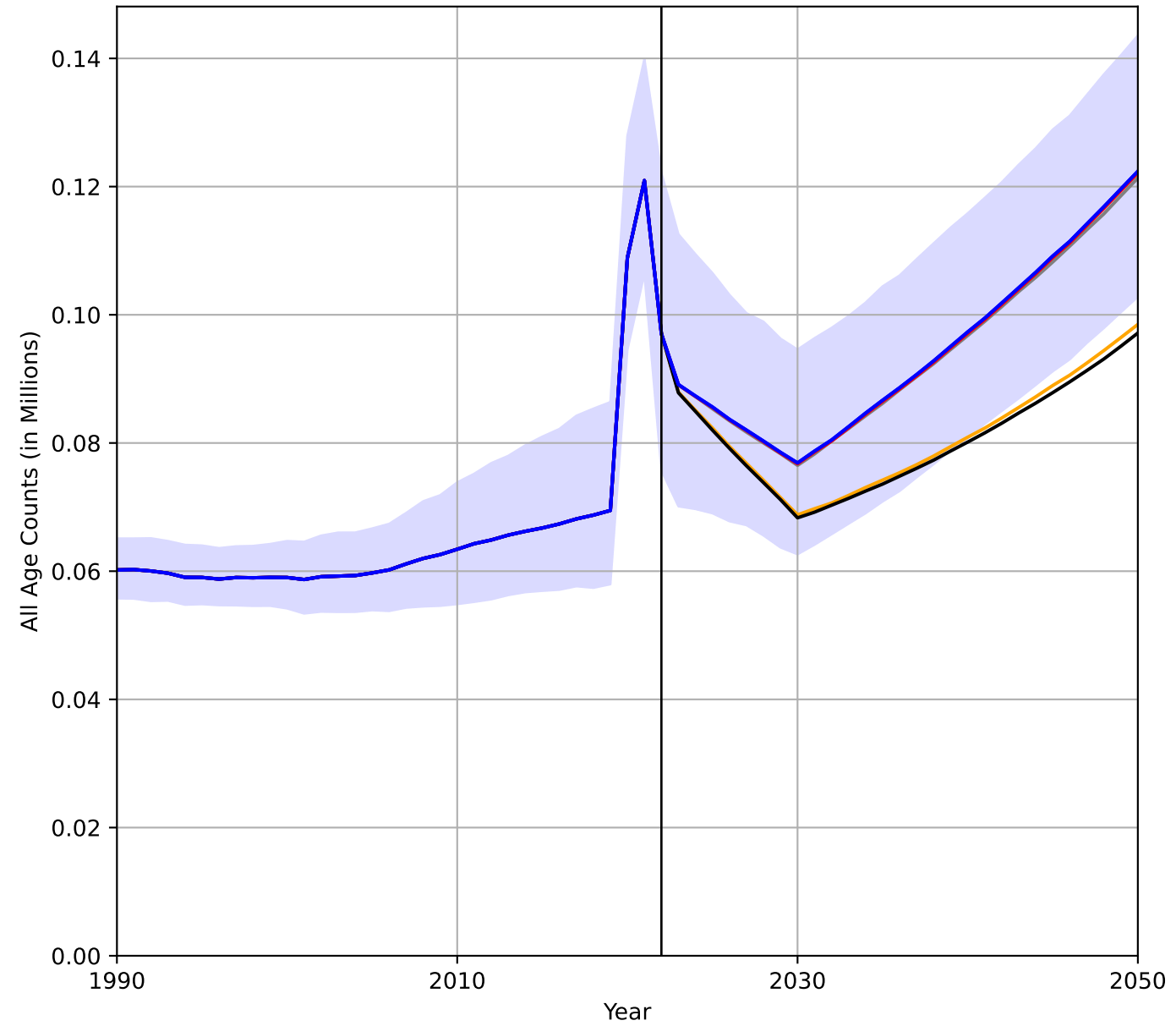
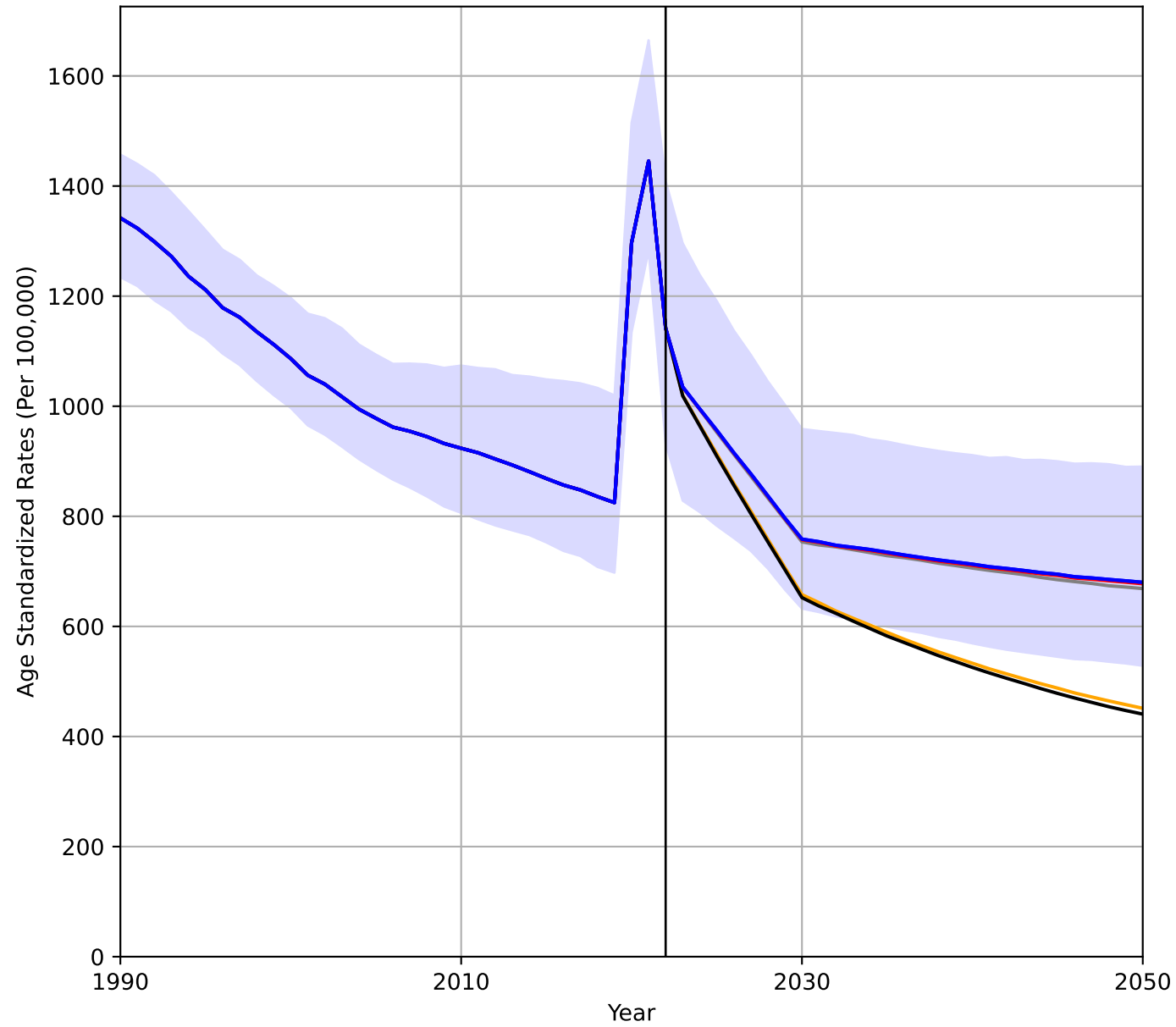
# UK



# Bolivia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

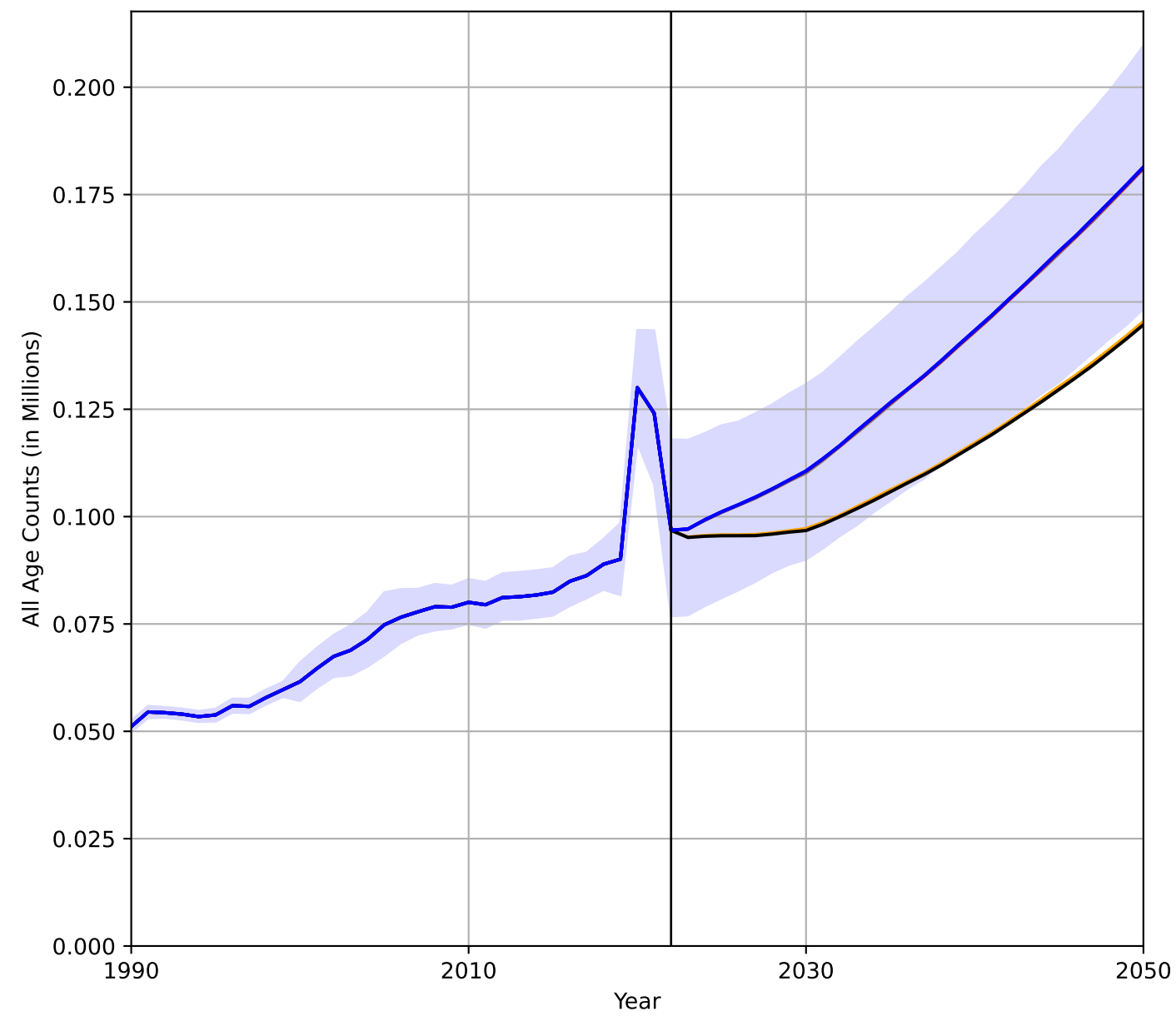
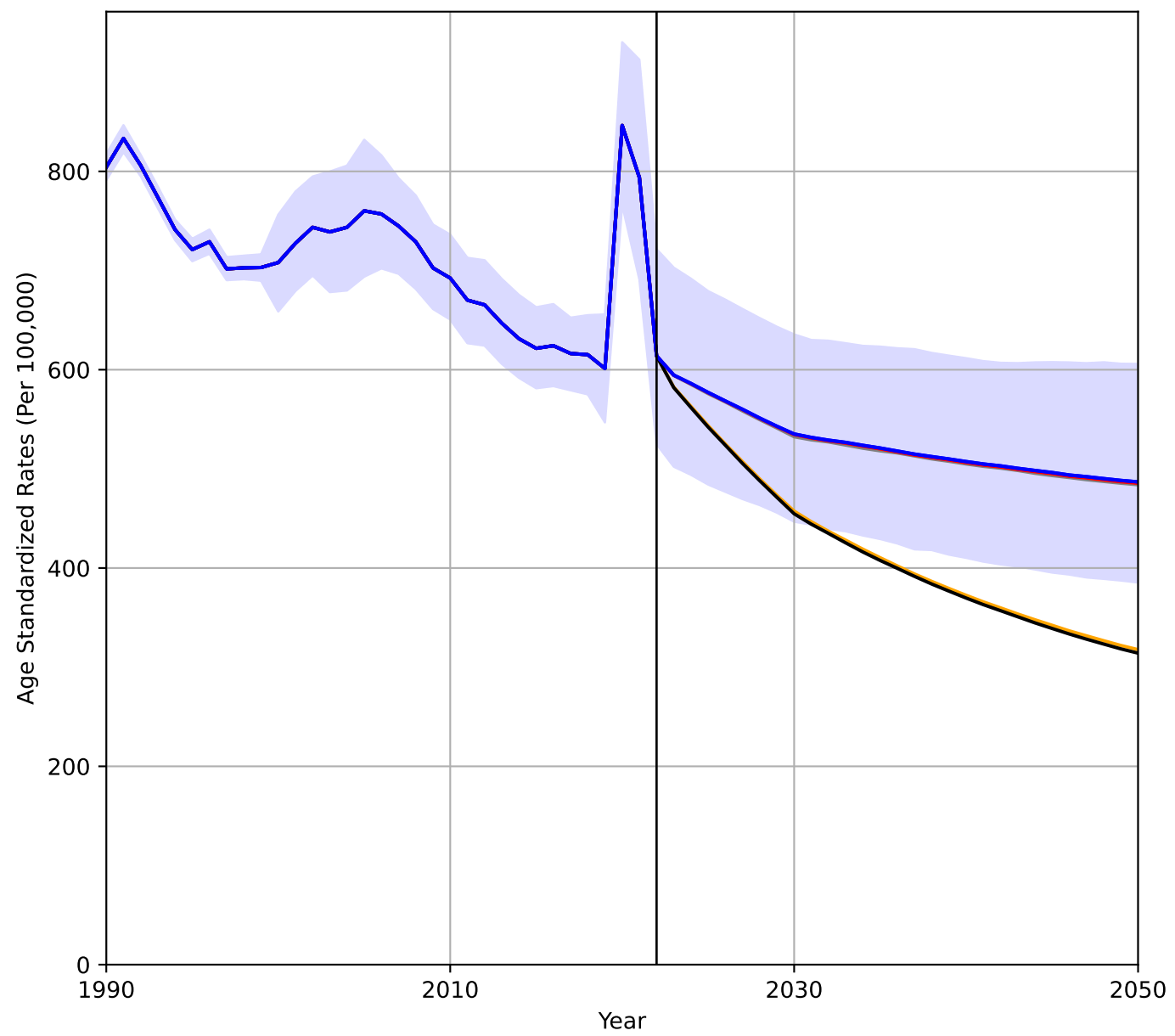
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# Ecuador

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

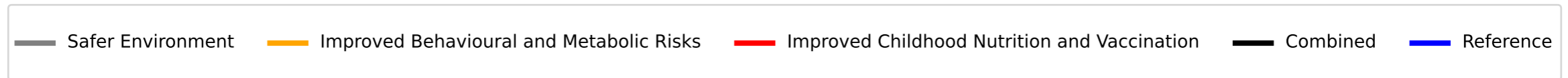
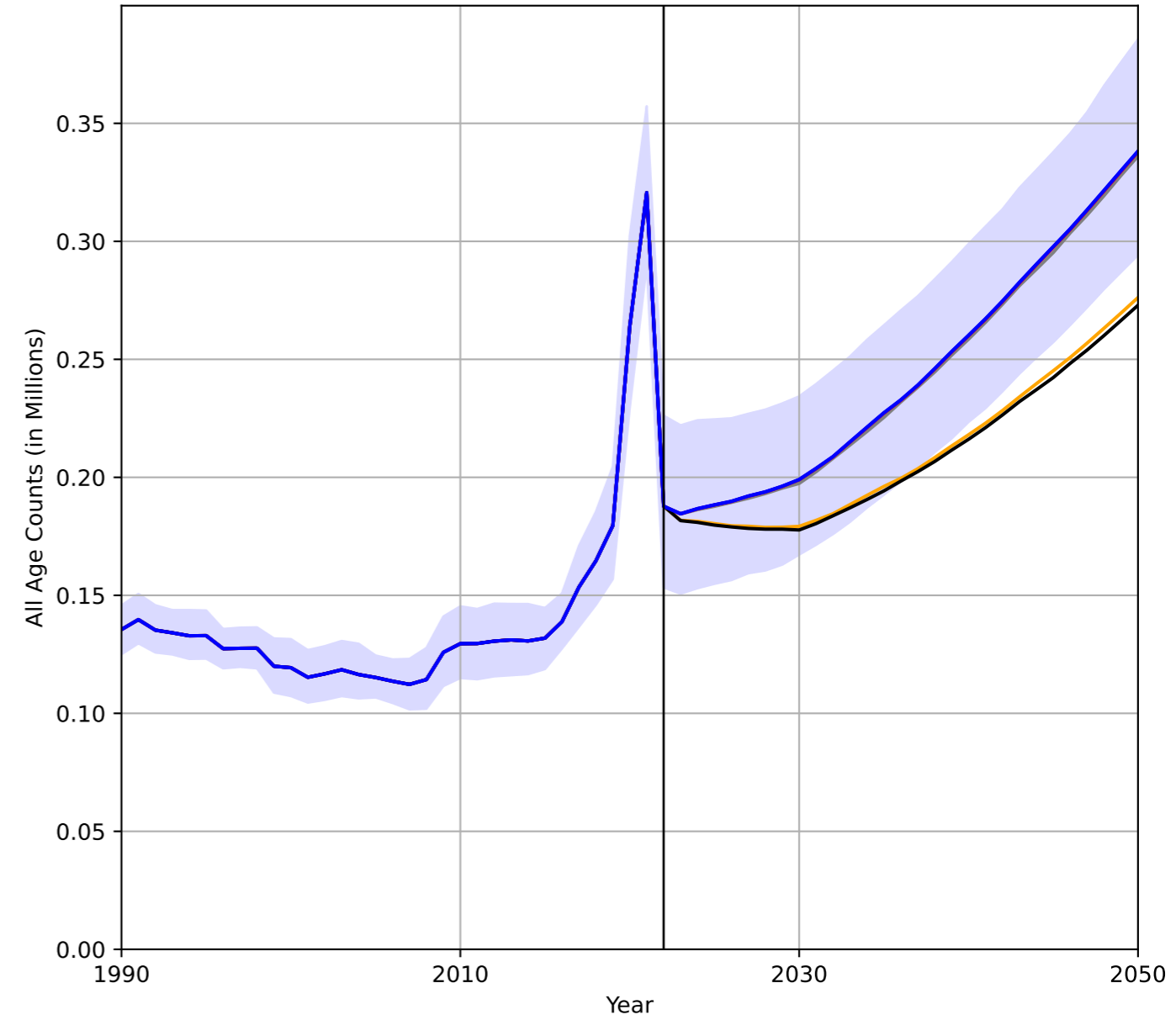
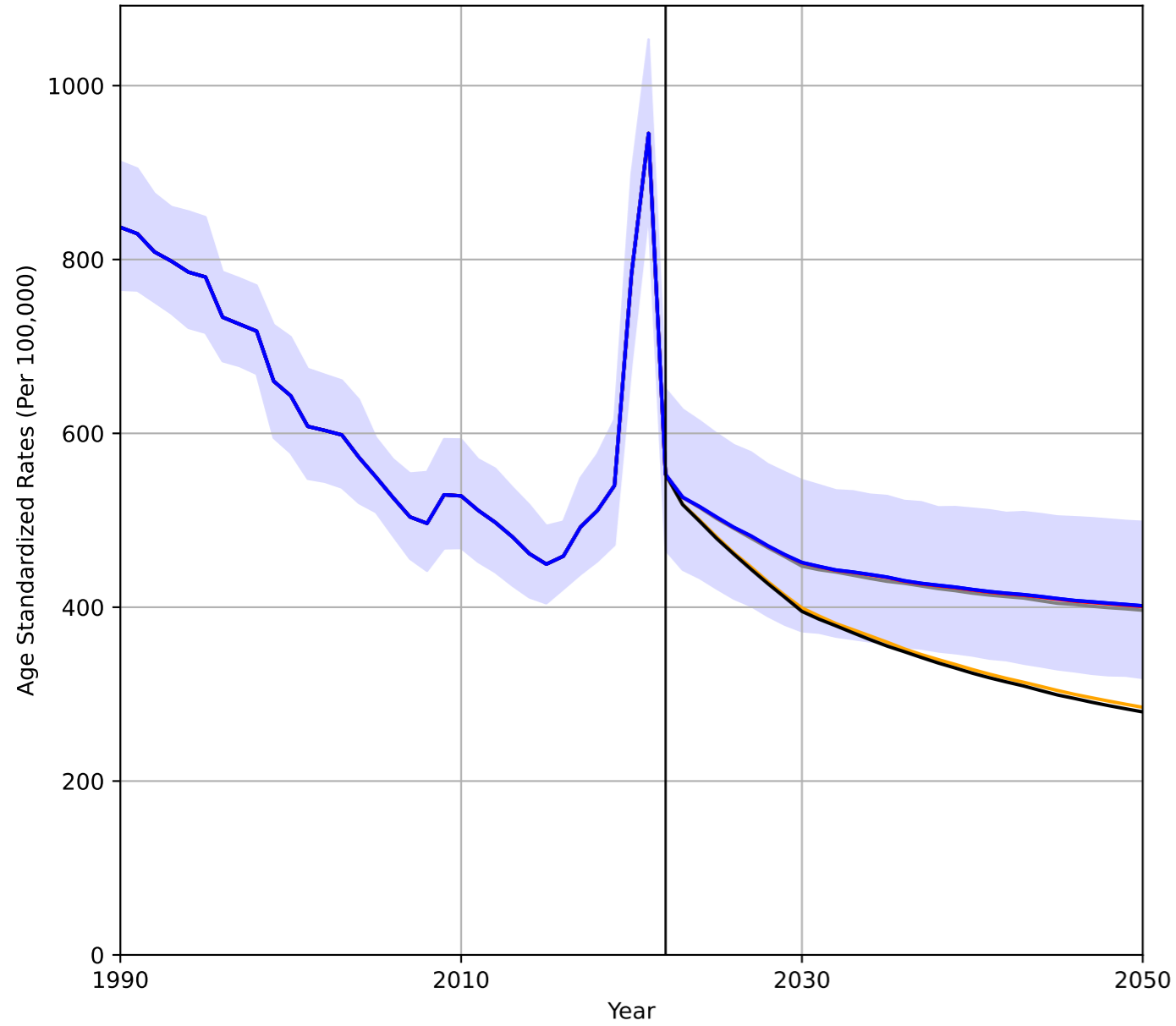
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# Peru

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1711

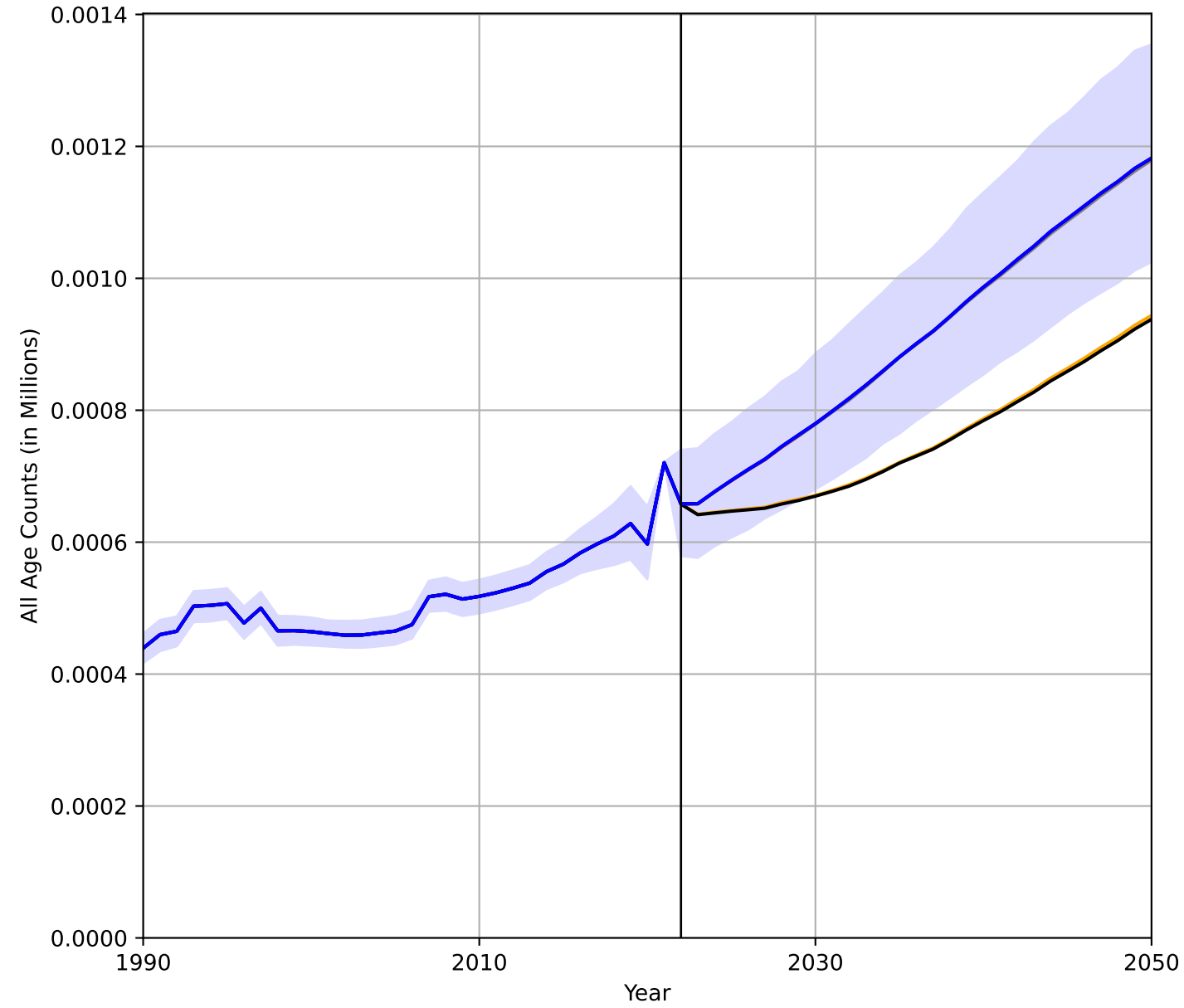
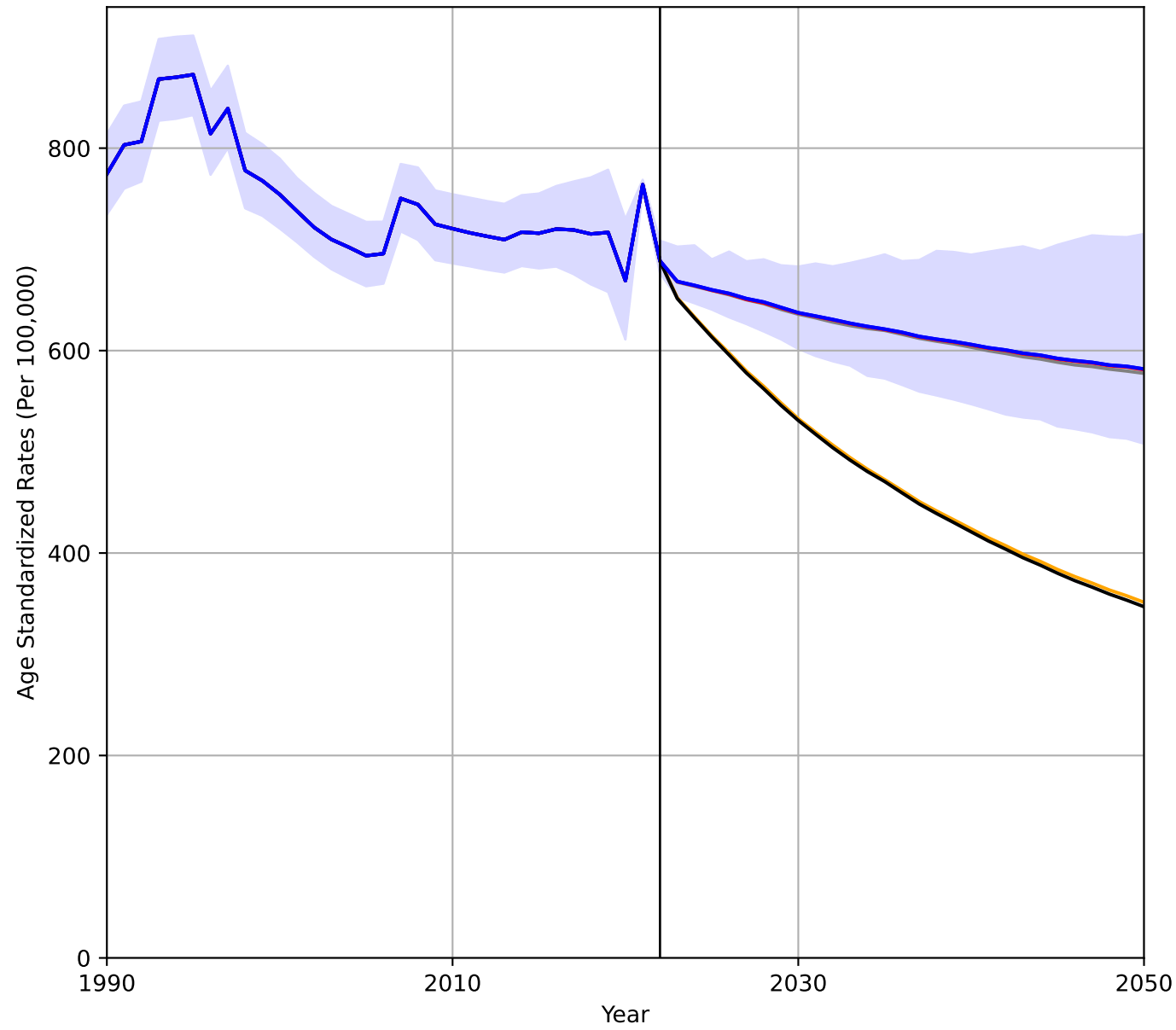




# Antigua And Barbuda

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

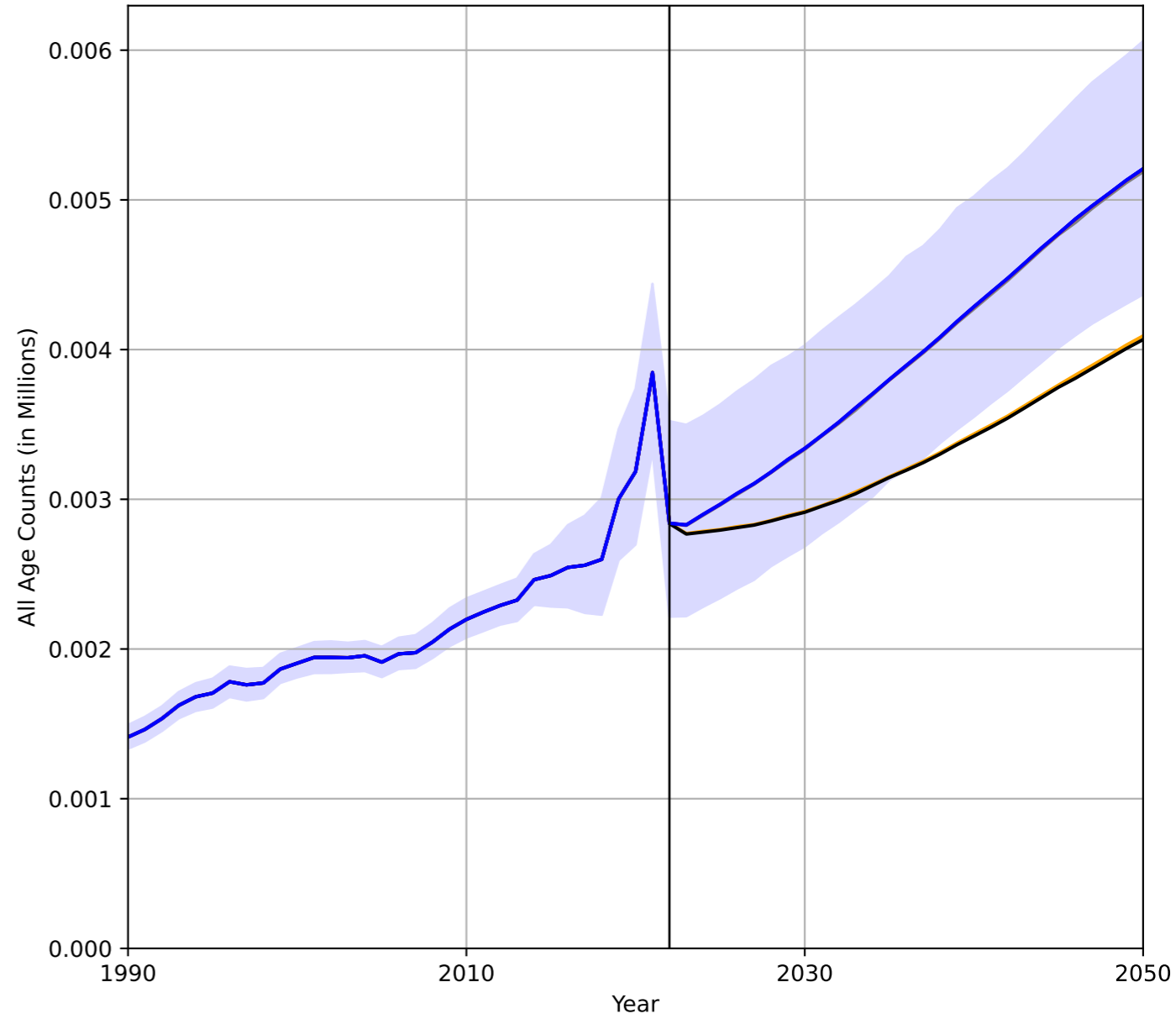
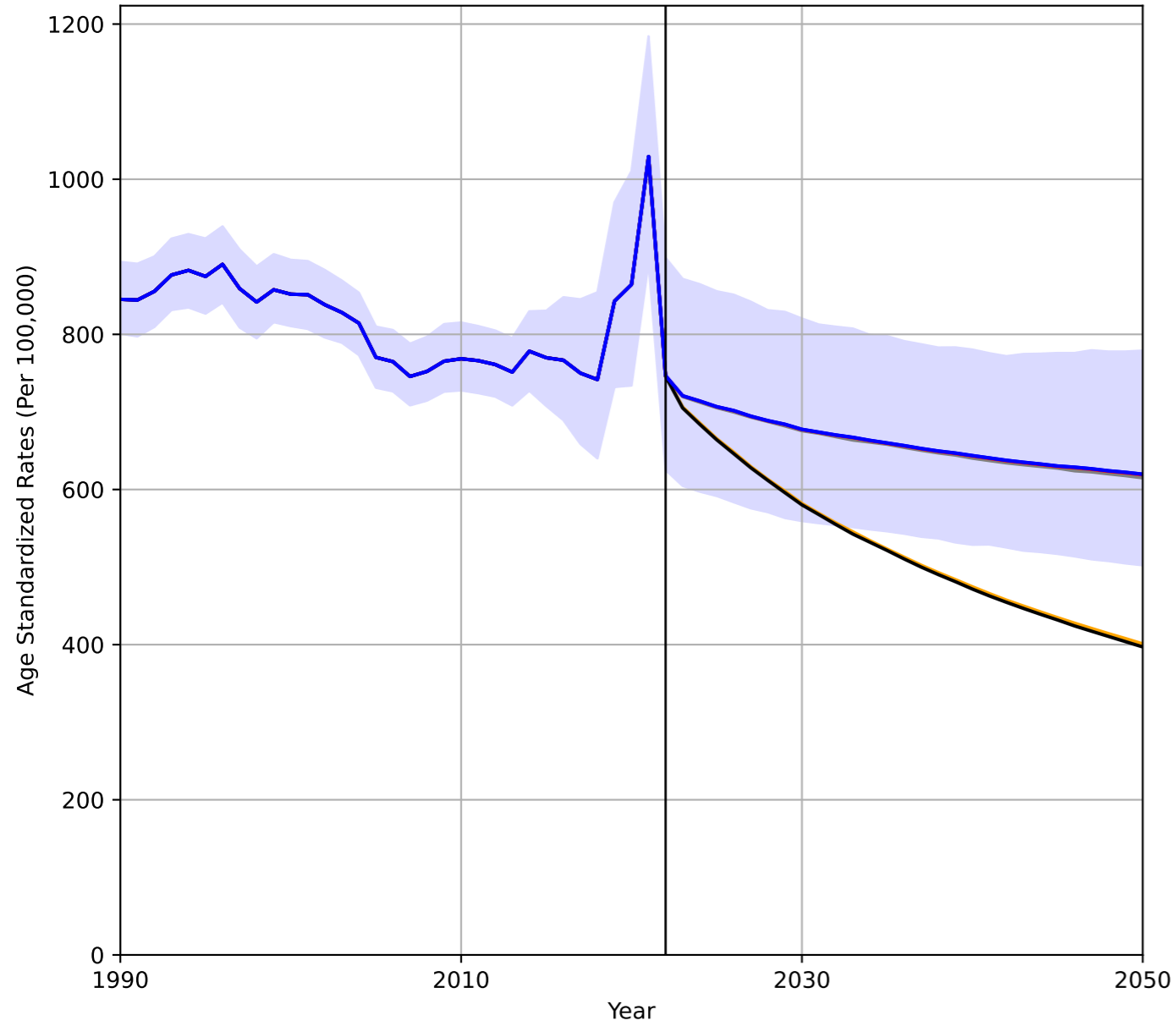
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# The Bahamas

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

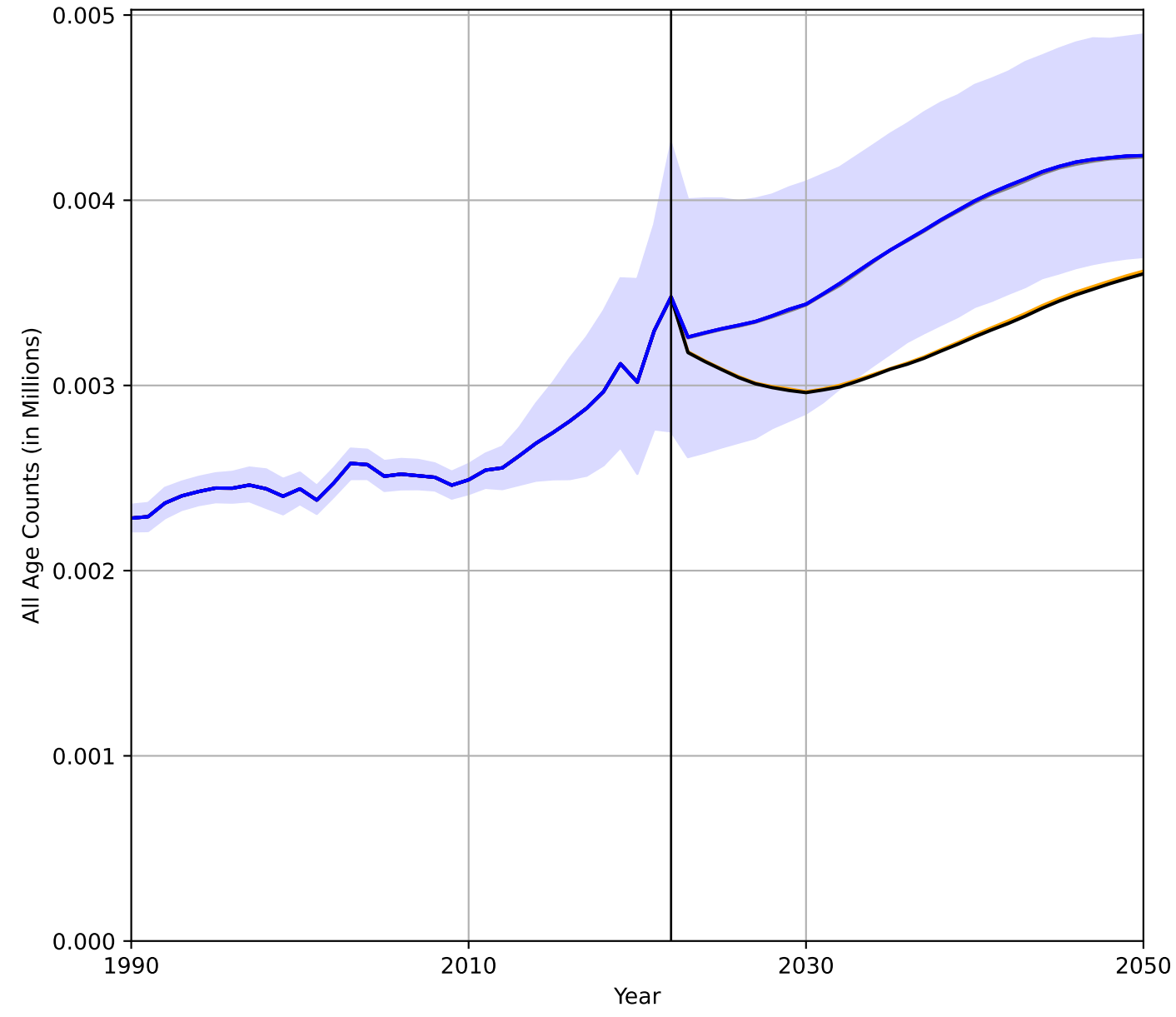
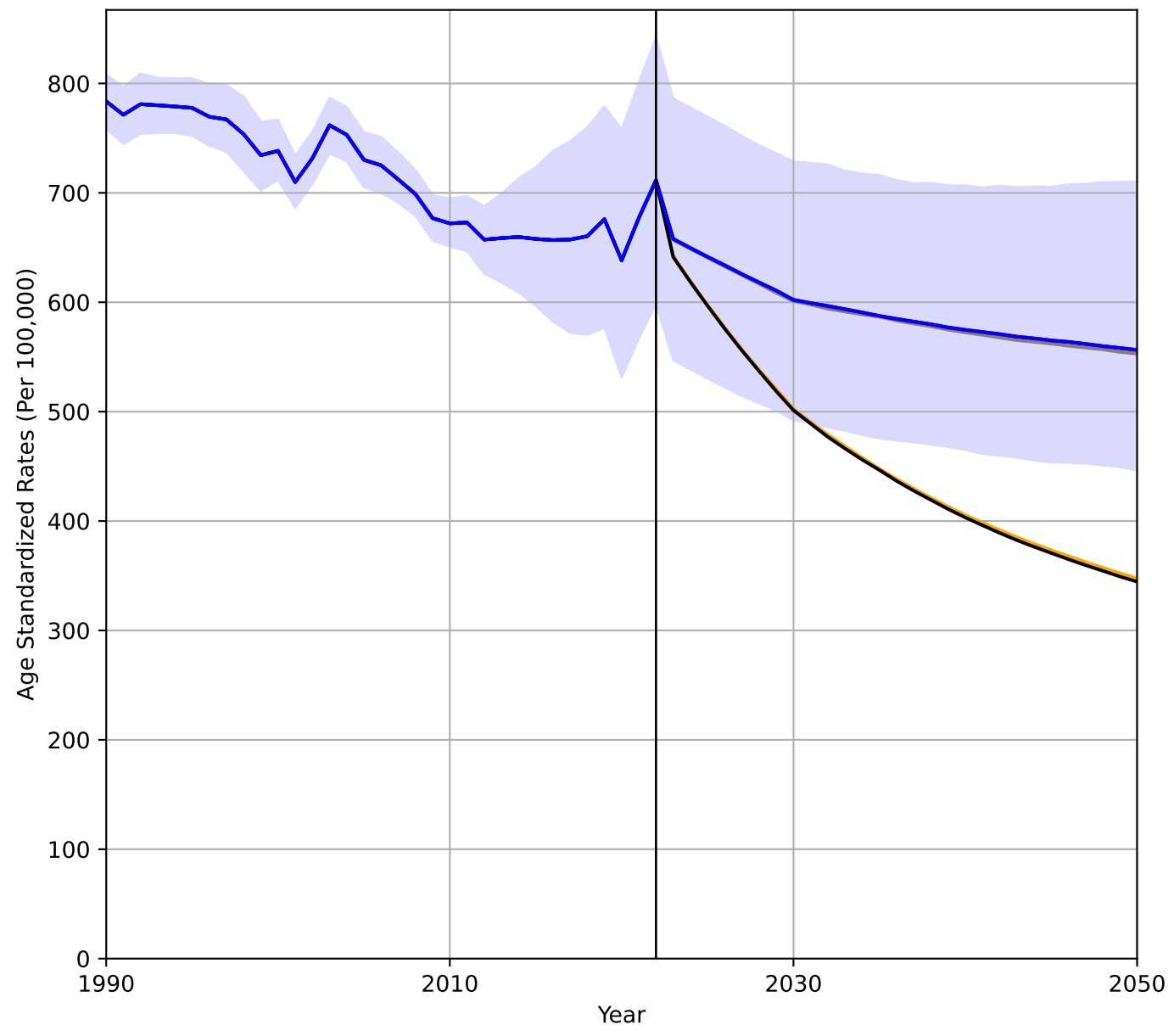
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# Barbados

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

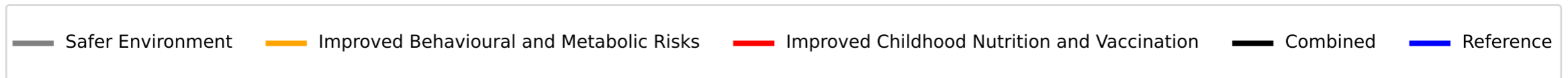
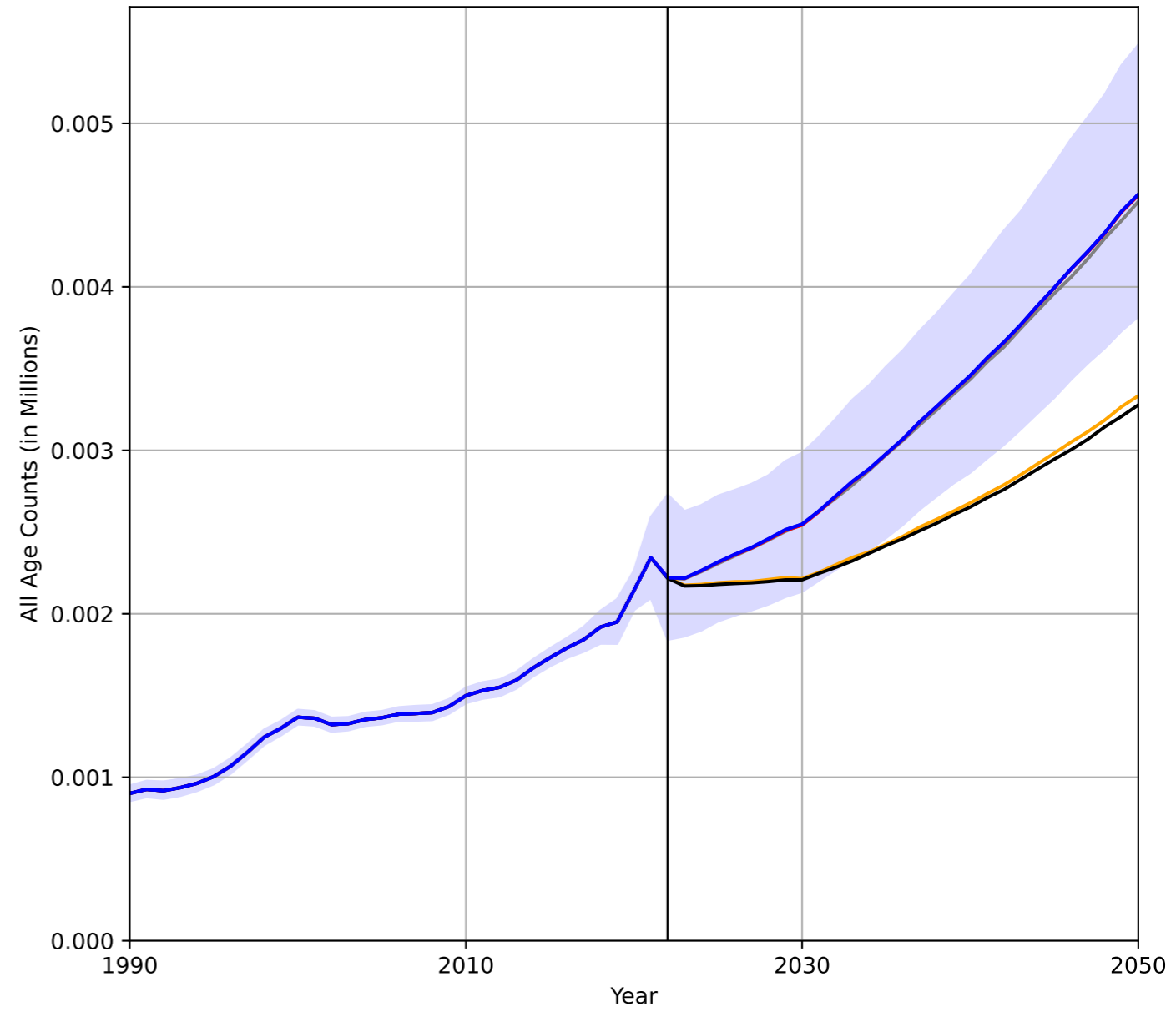
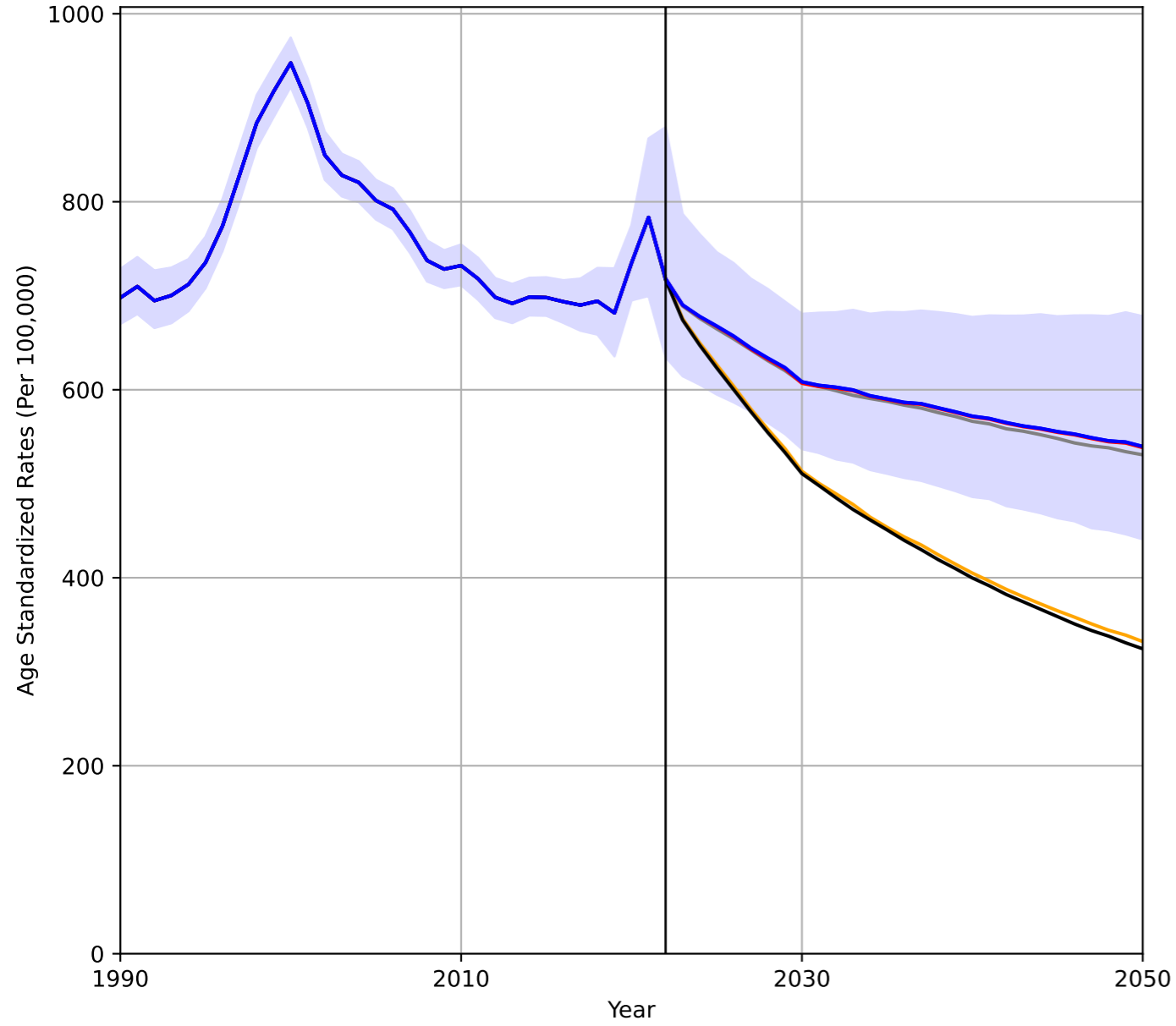
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# Belize

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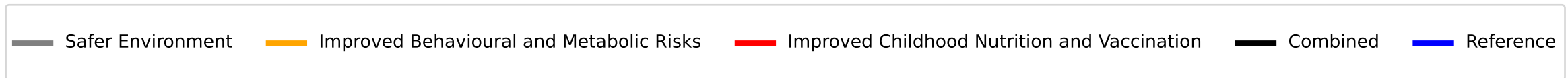
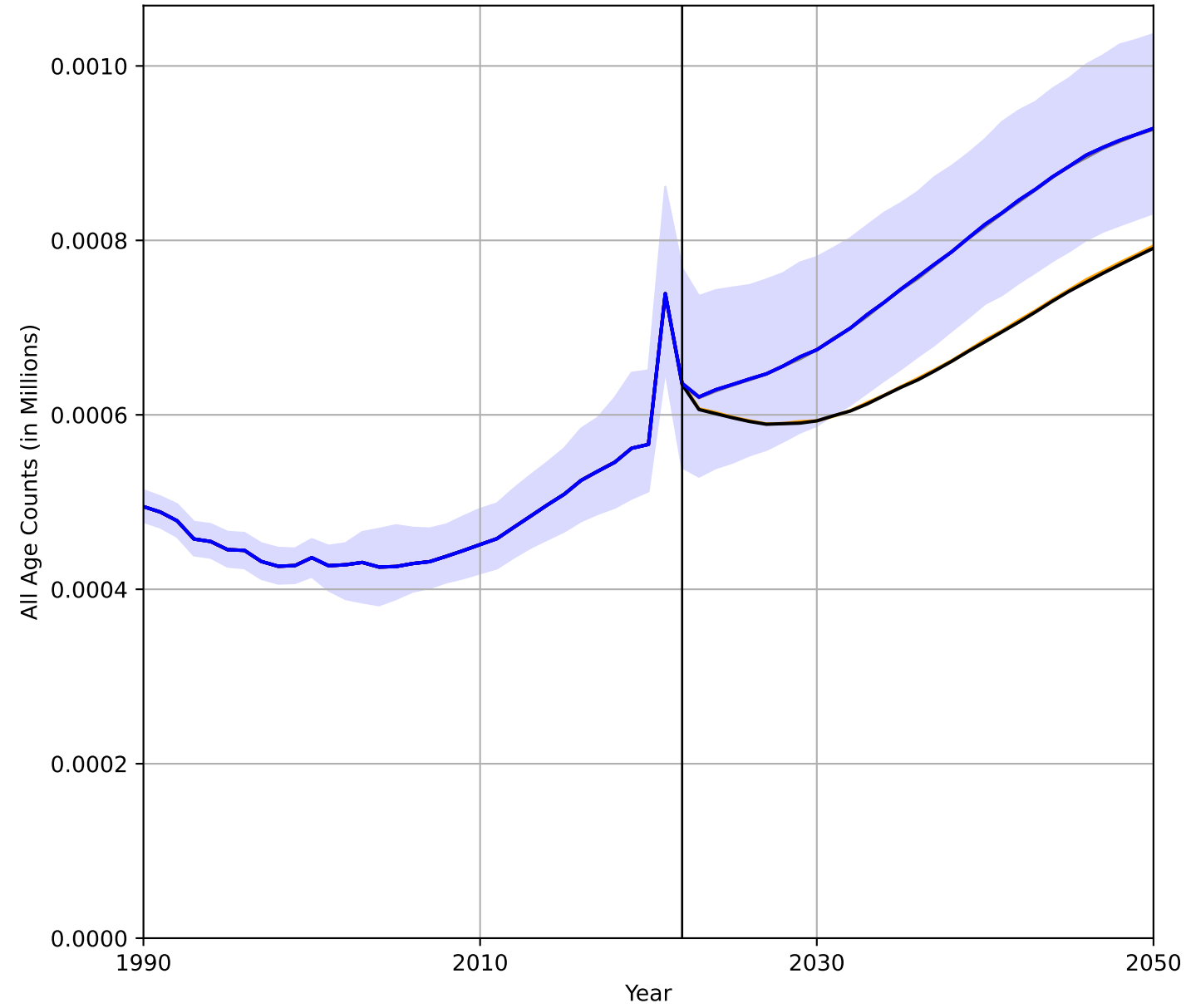
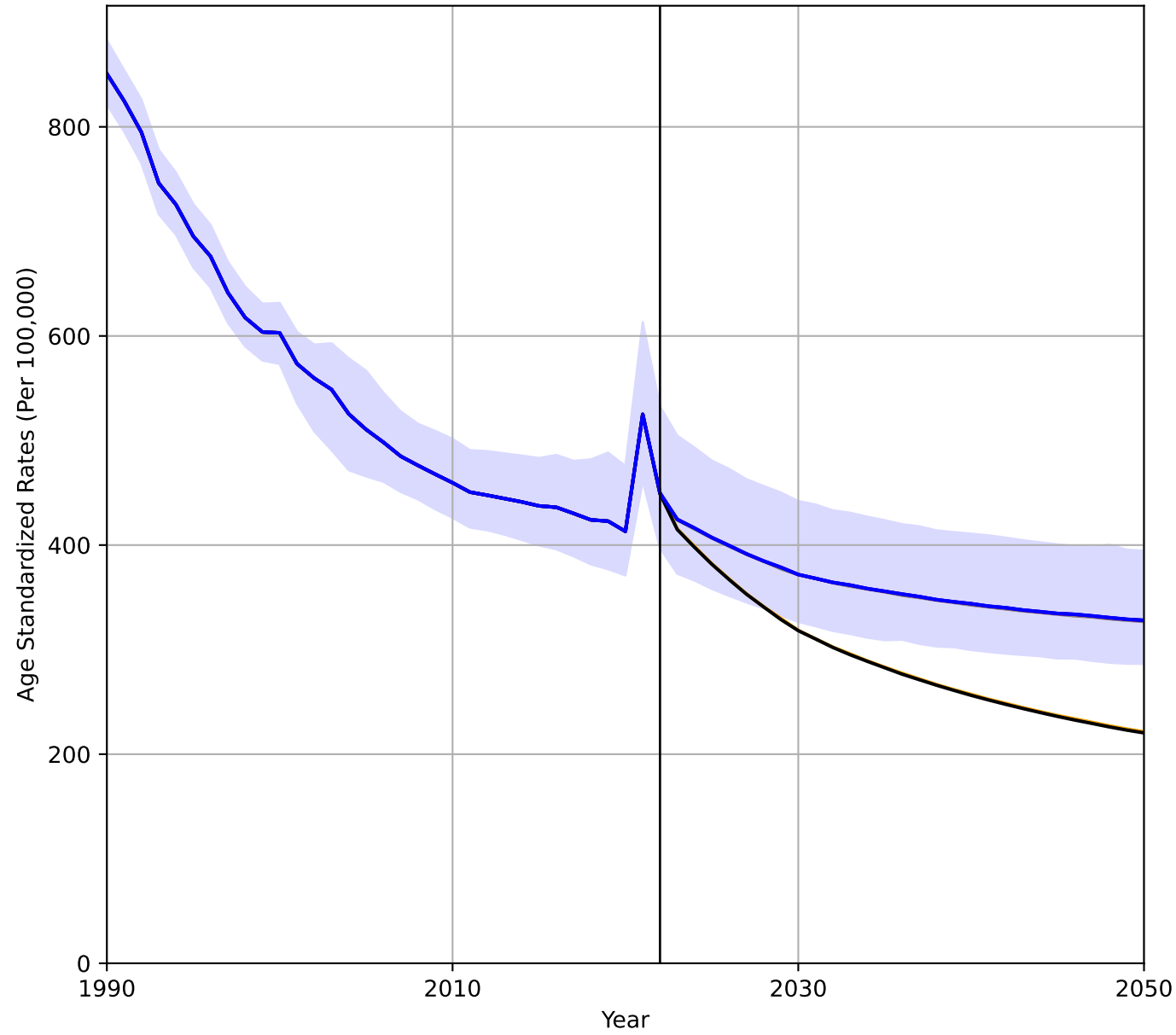
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# Bermuda

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

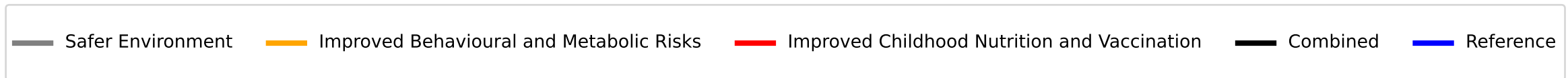
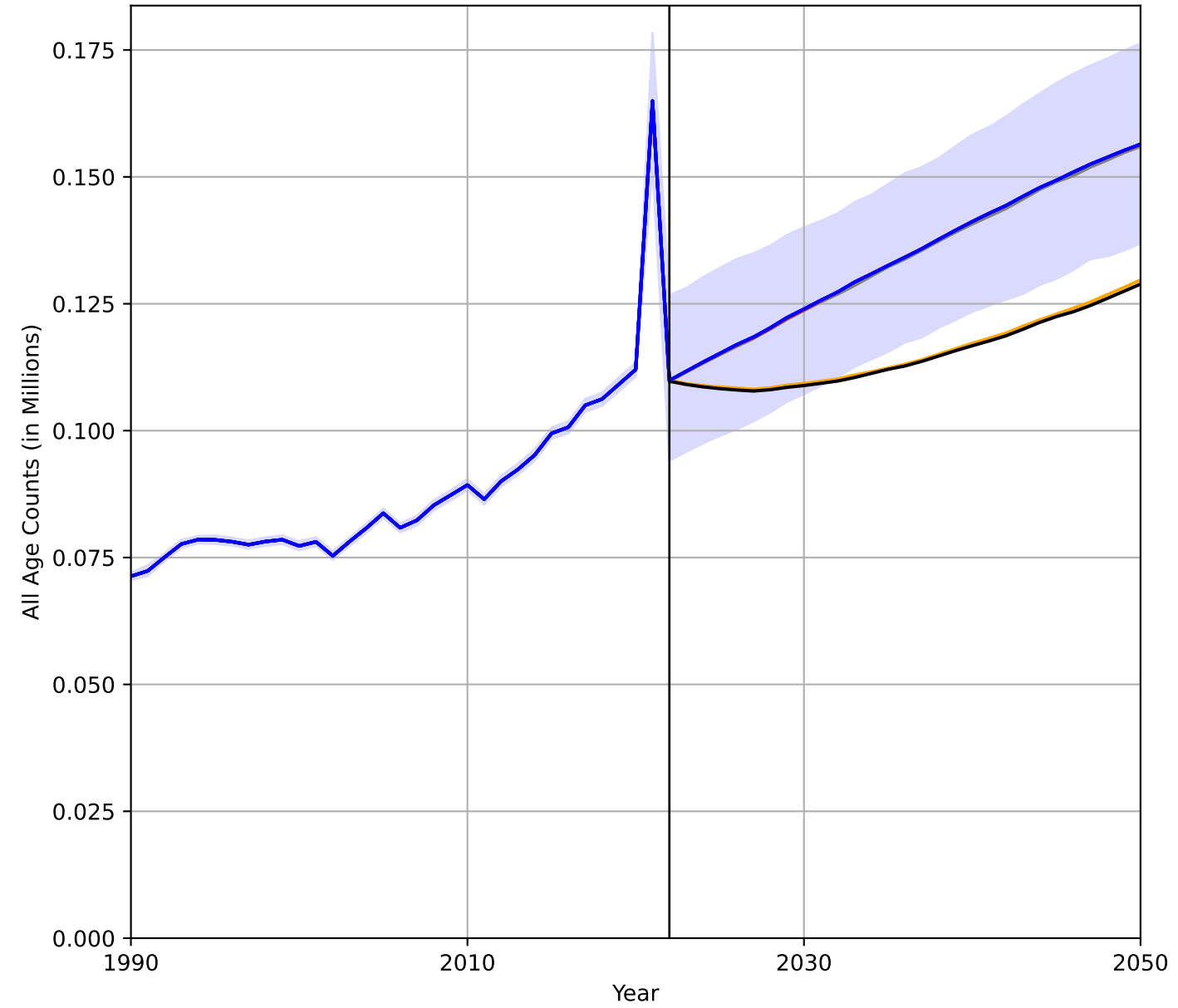
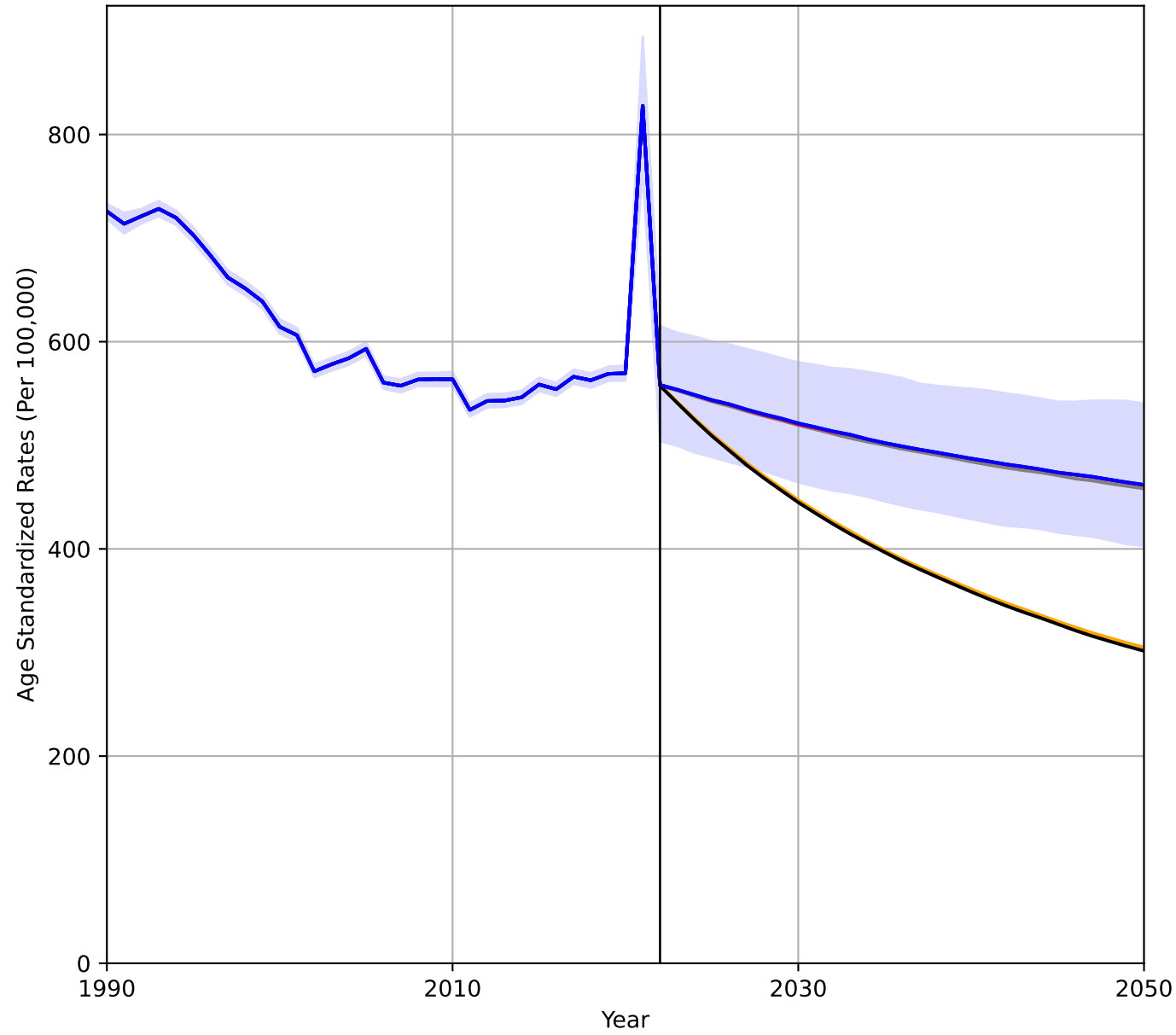
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# Cuba

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

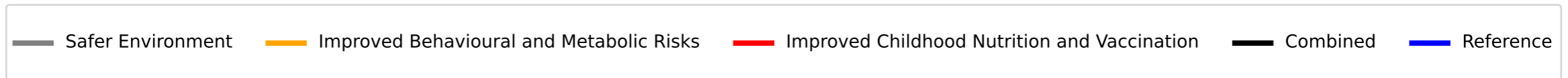
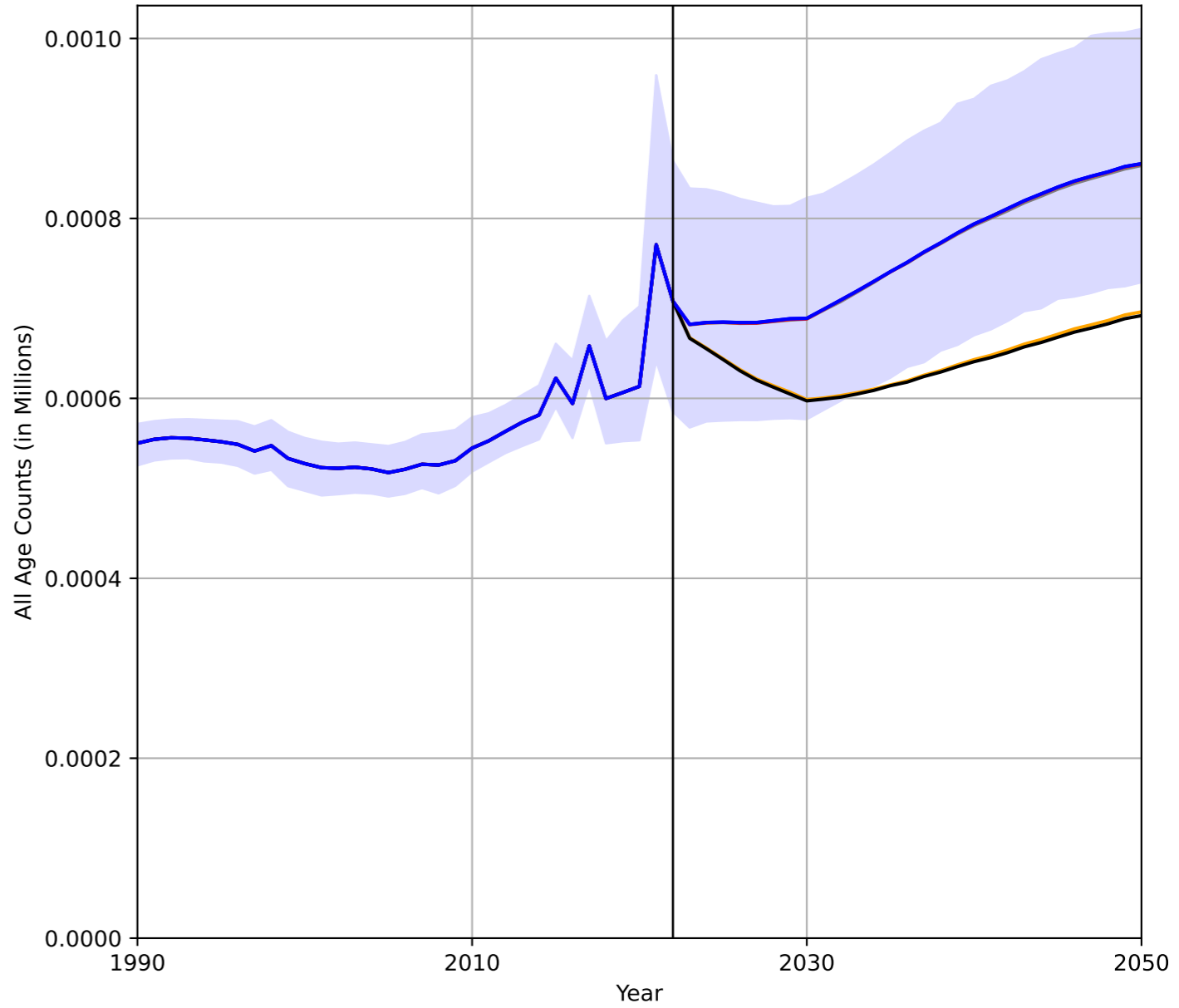
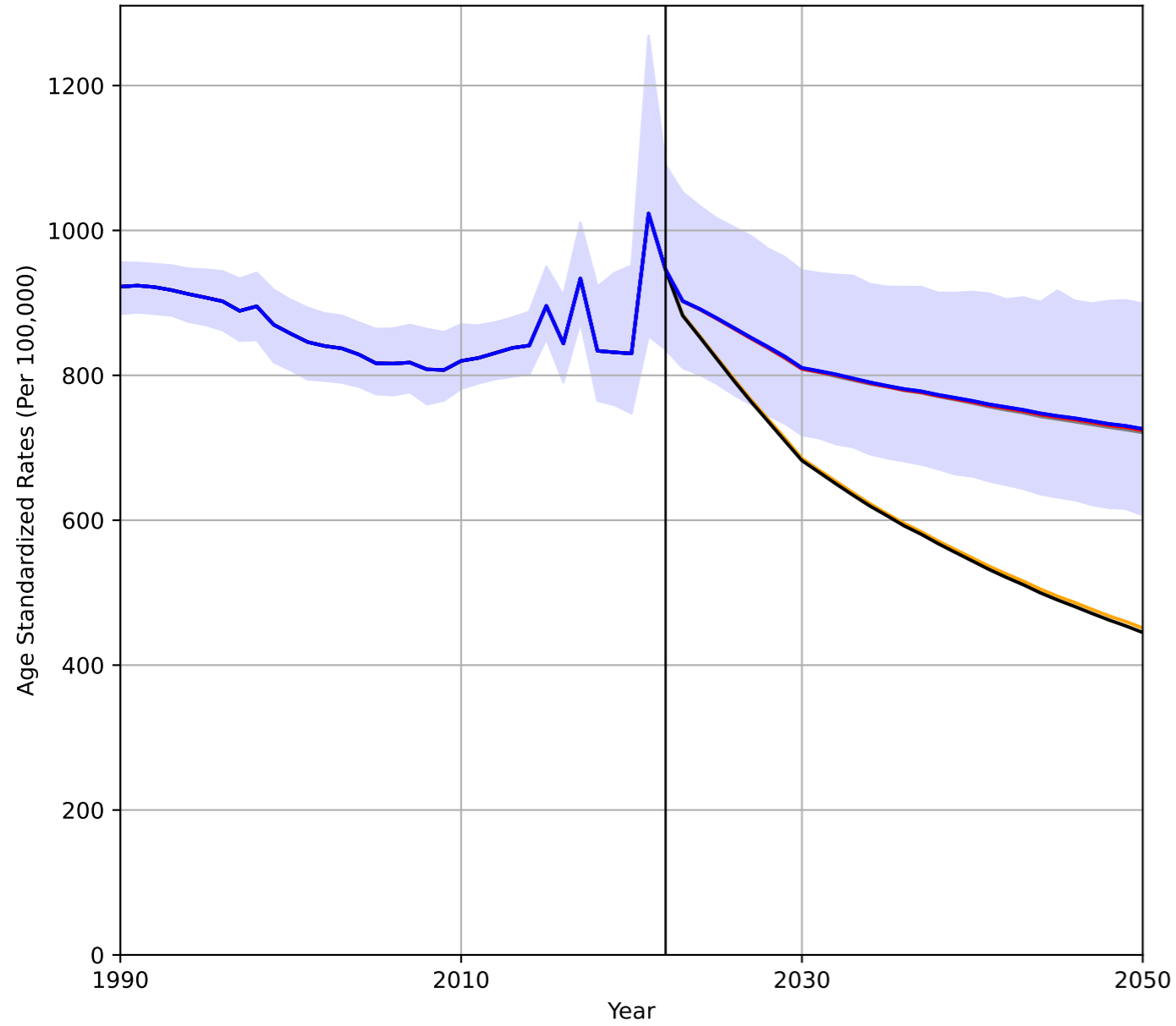
1717



# Dominica

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

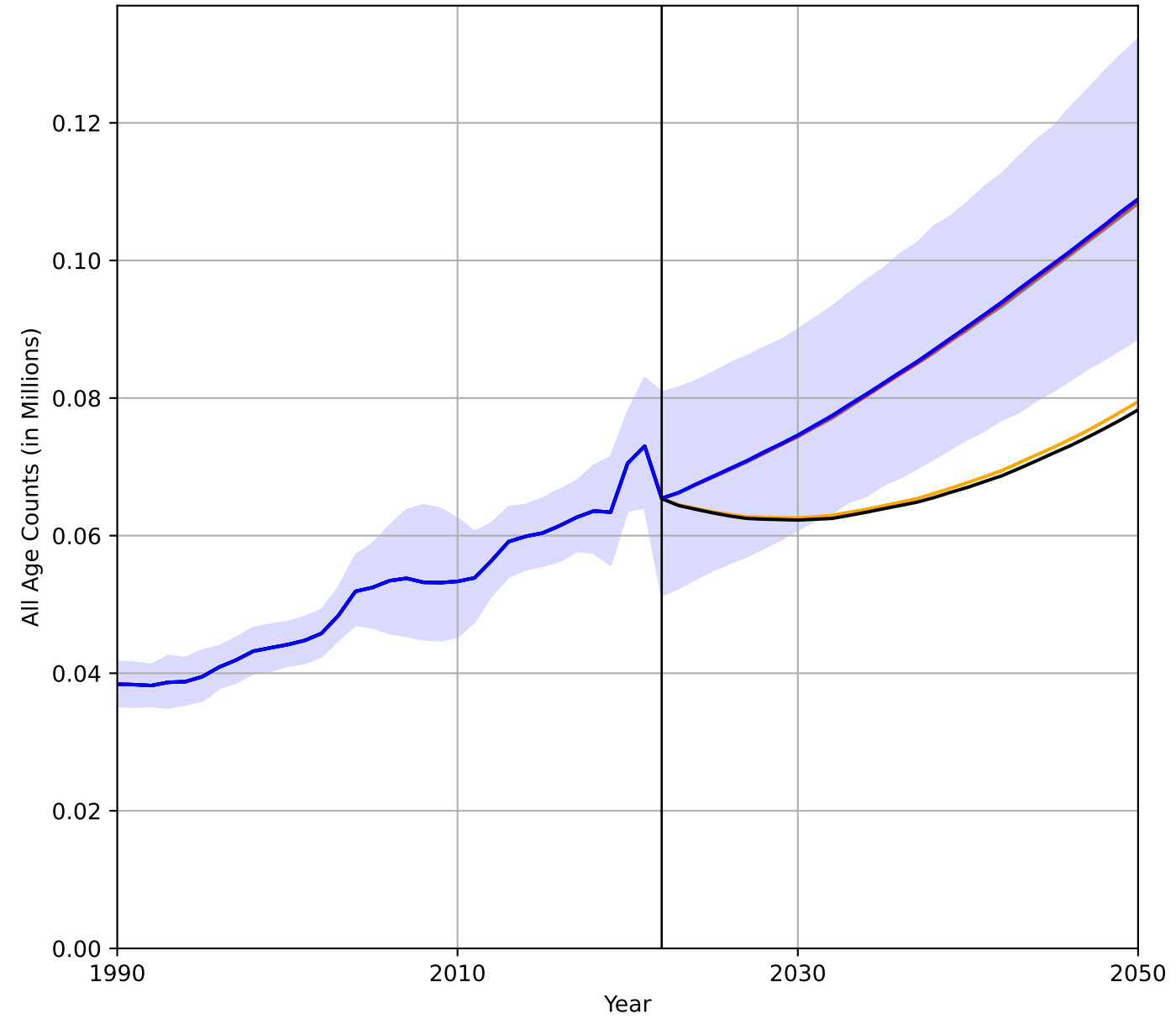
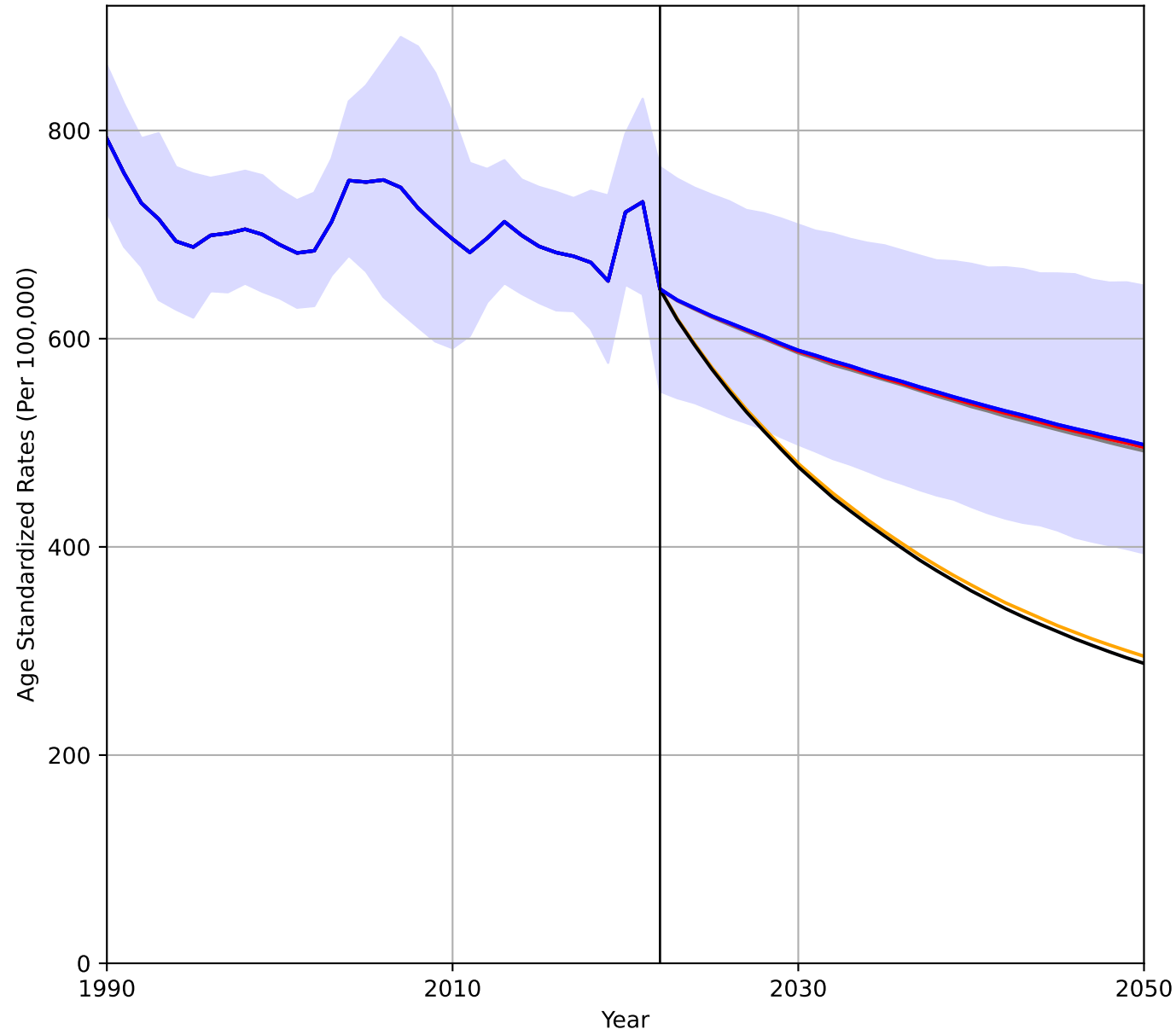
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# Dominican Republic

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1719

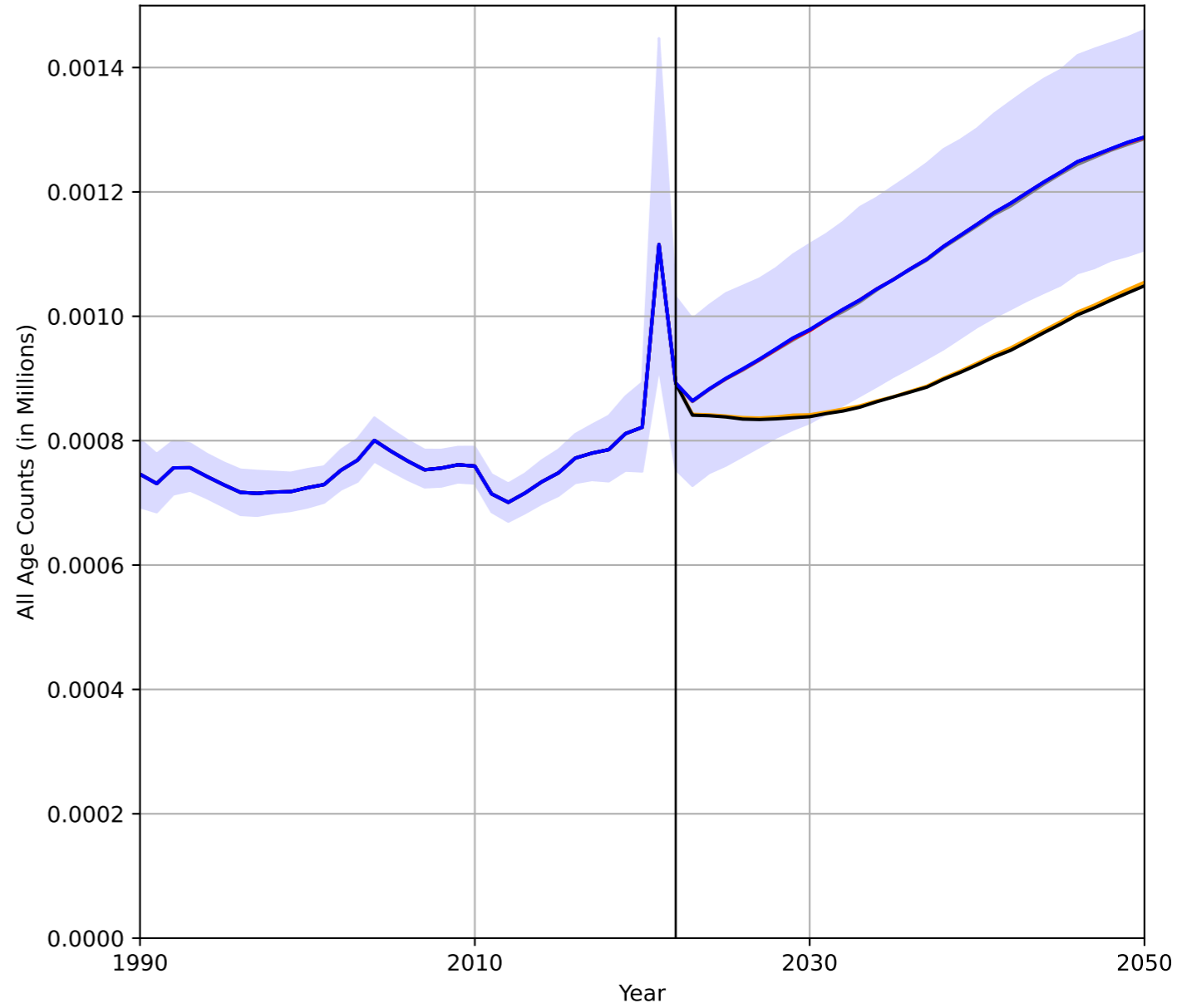
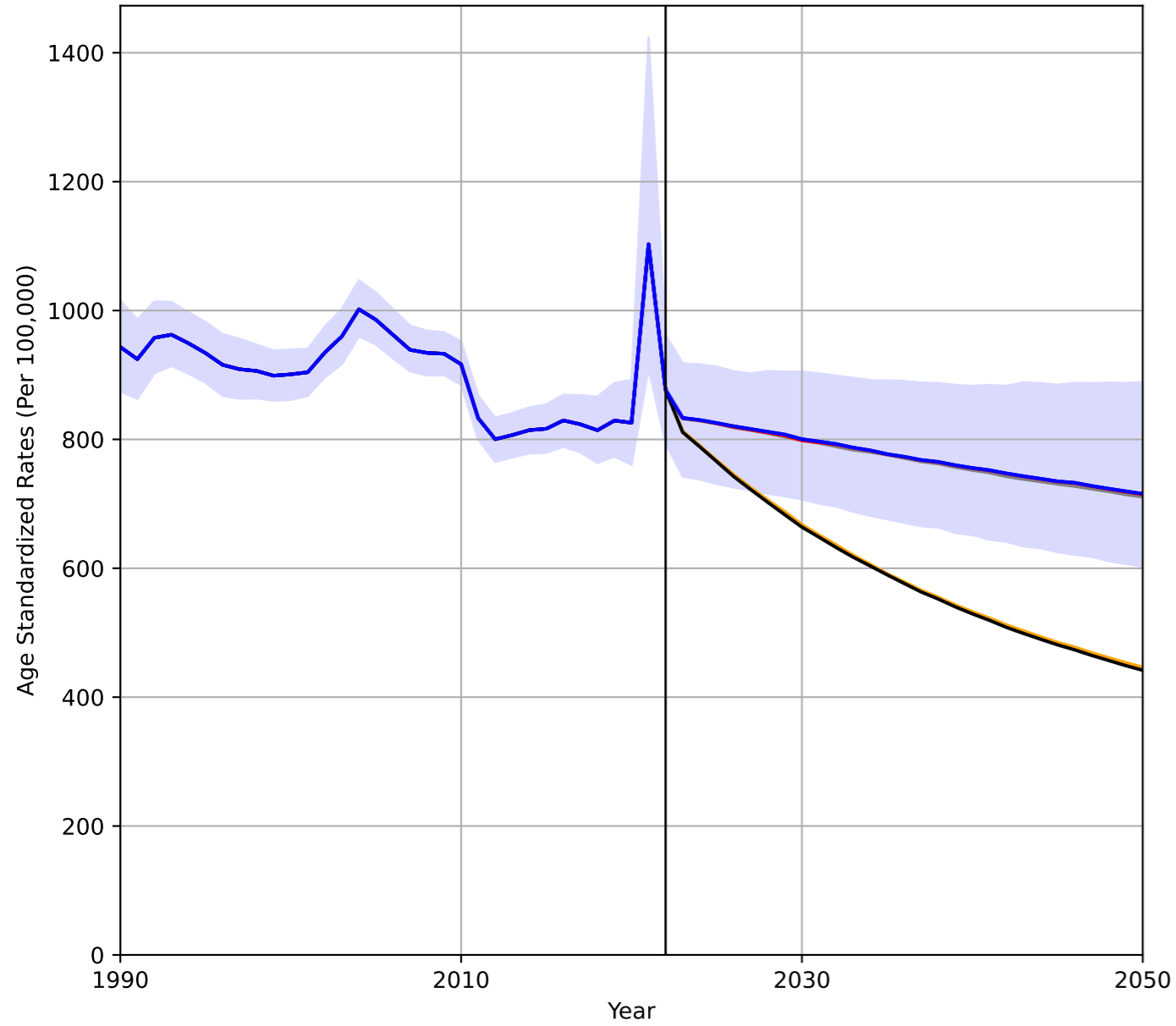




# Grenada

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

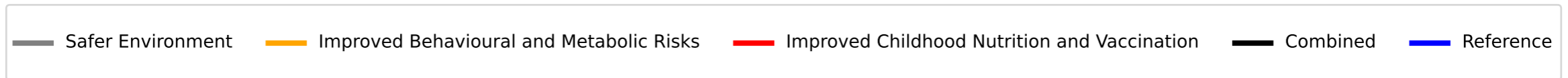
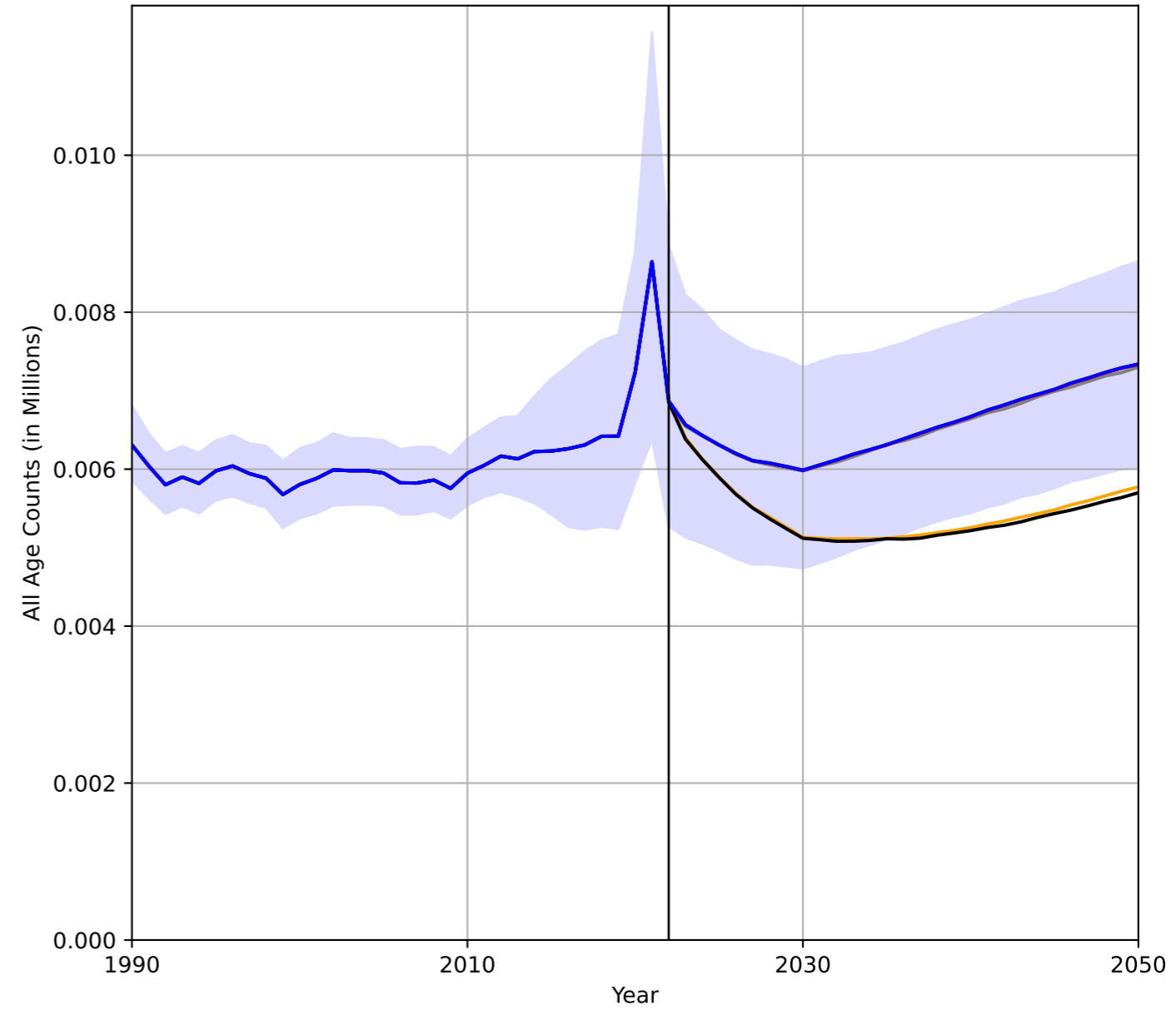
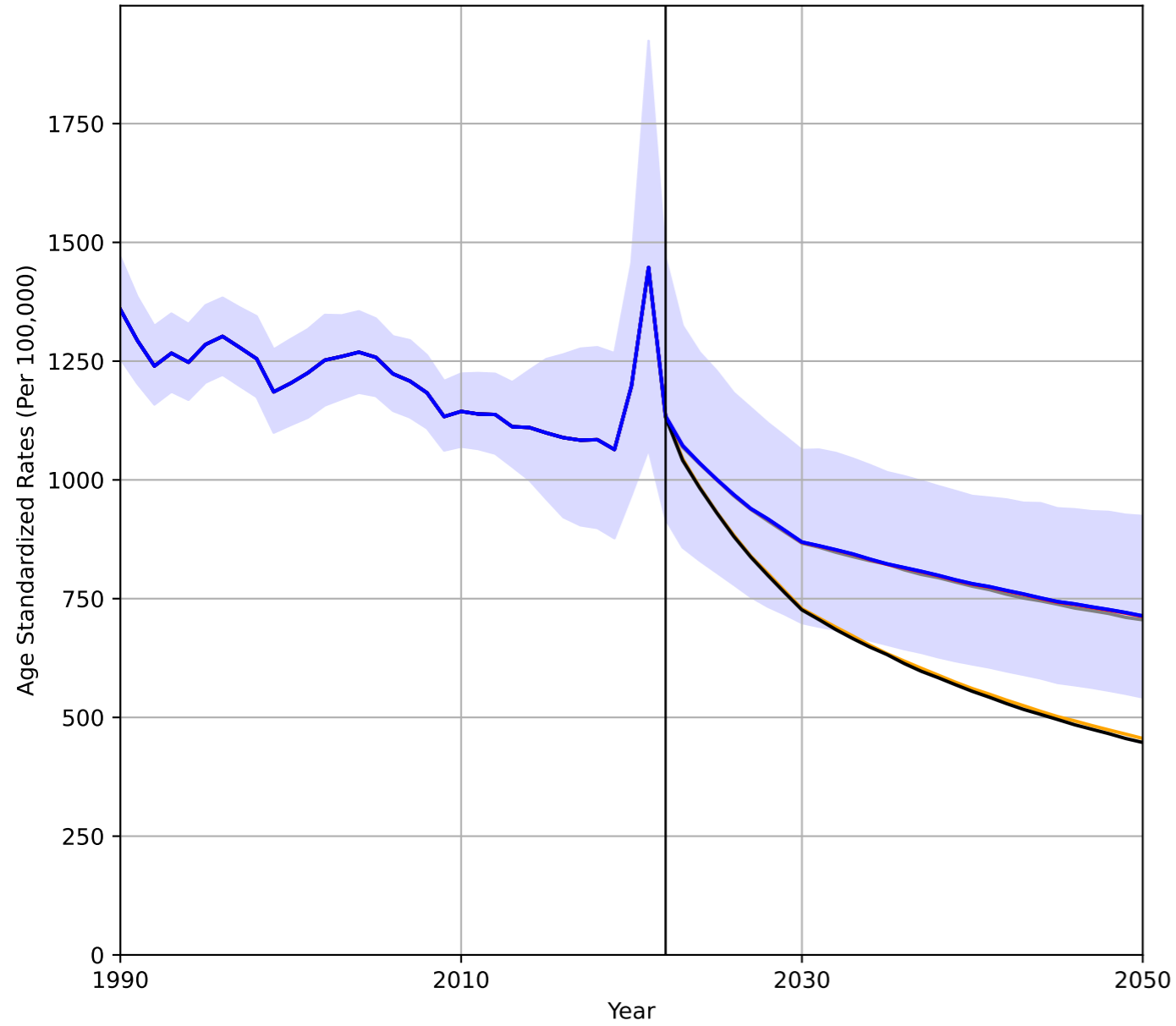
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# Guyana

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

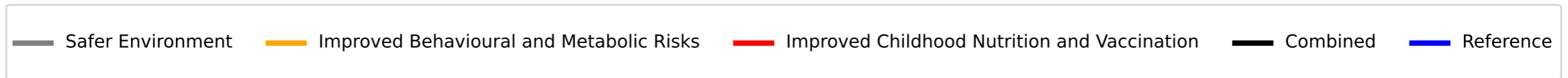
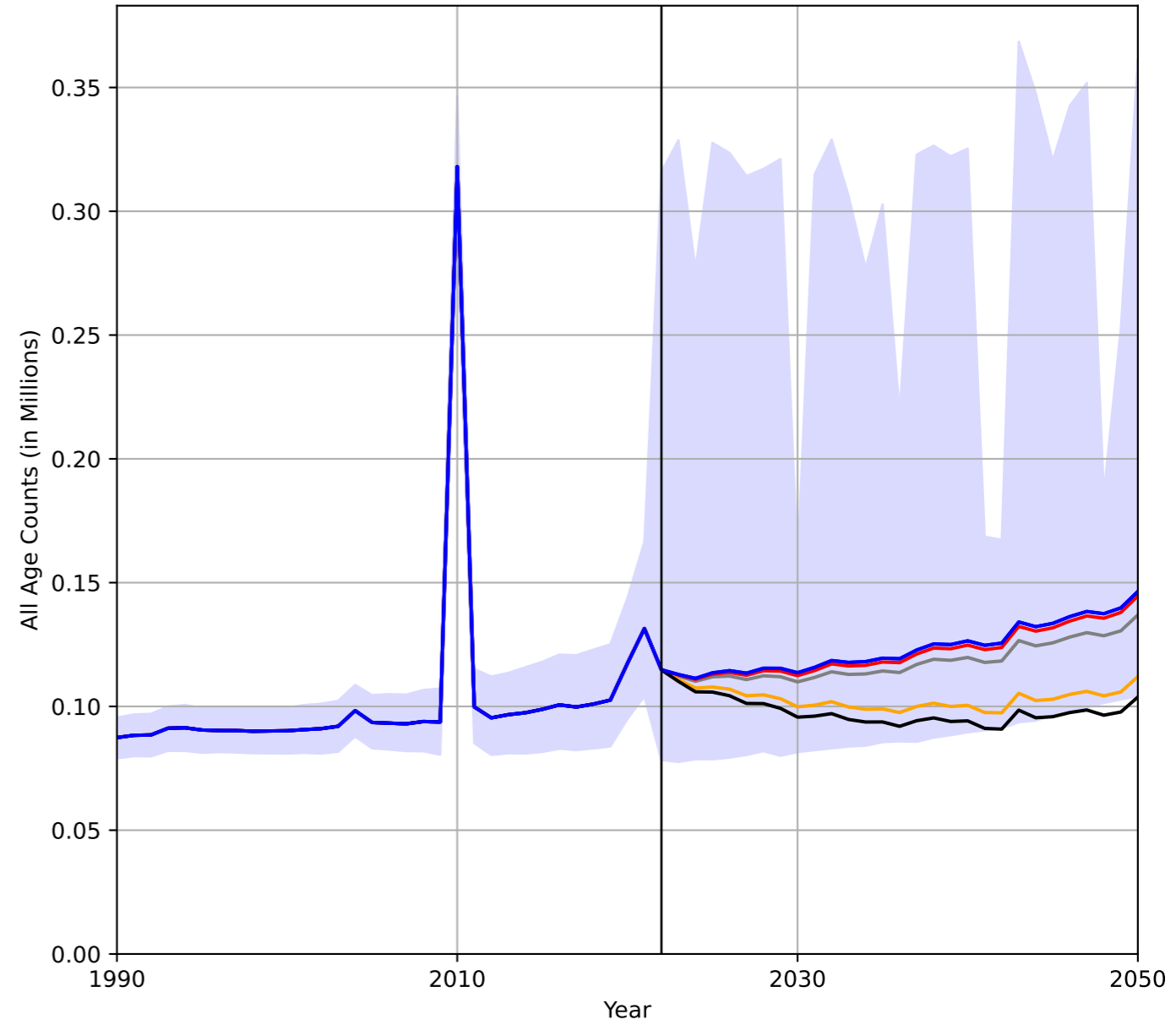
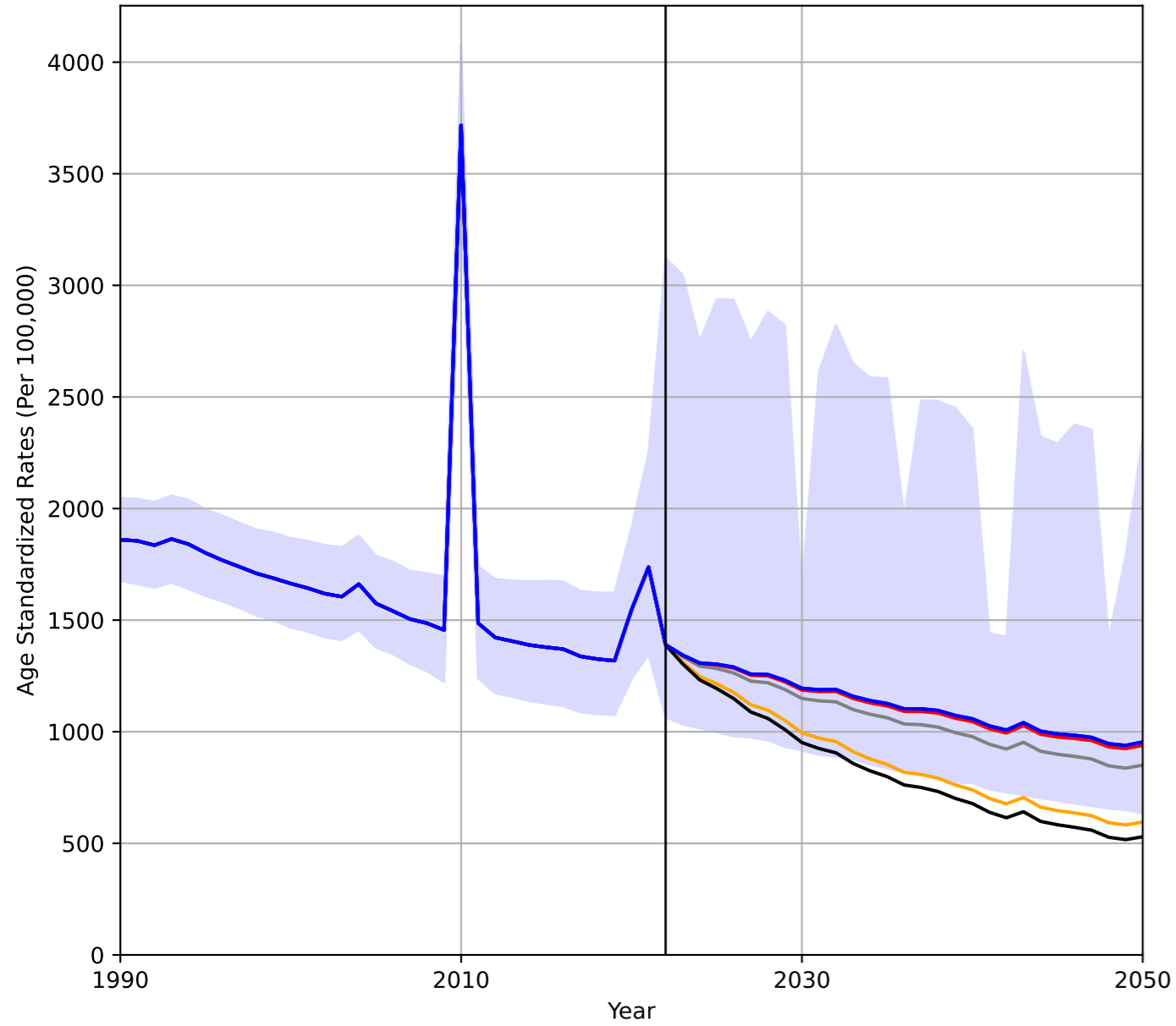
1721



# Haiti

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

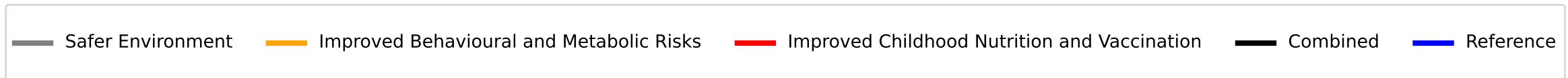
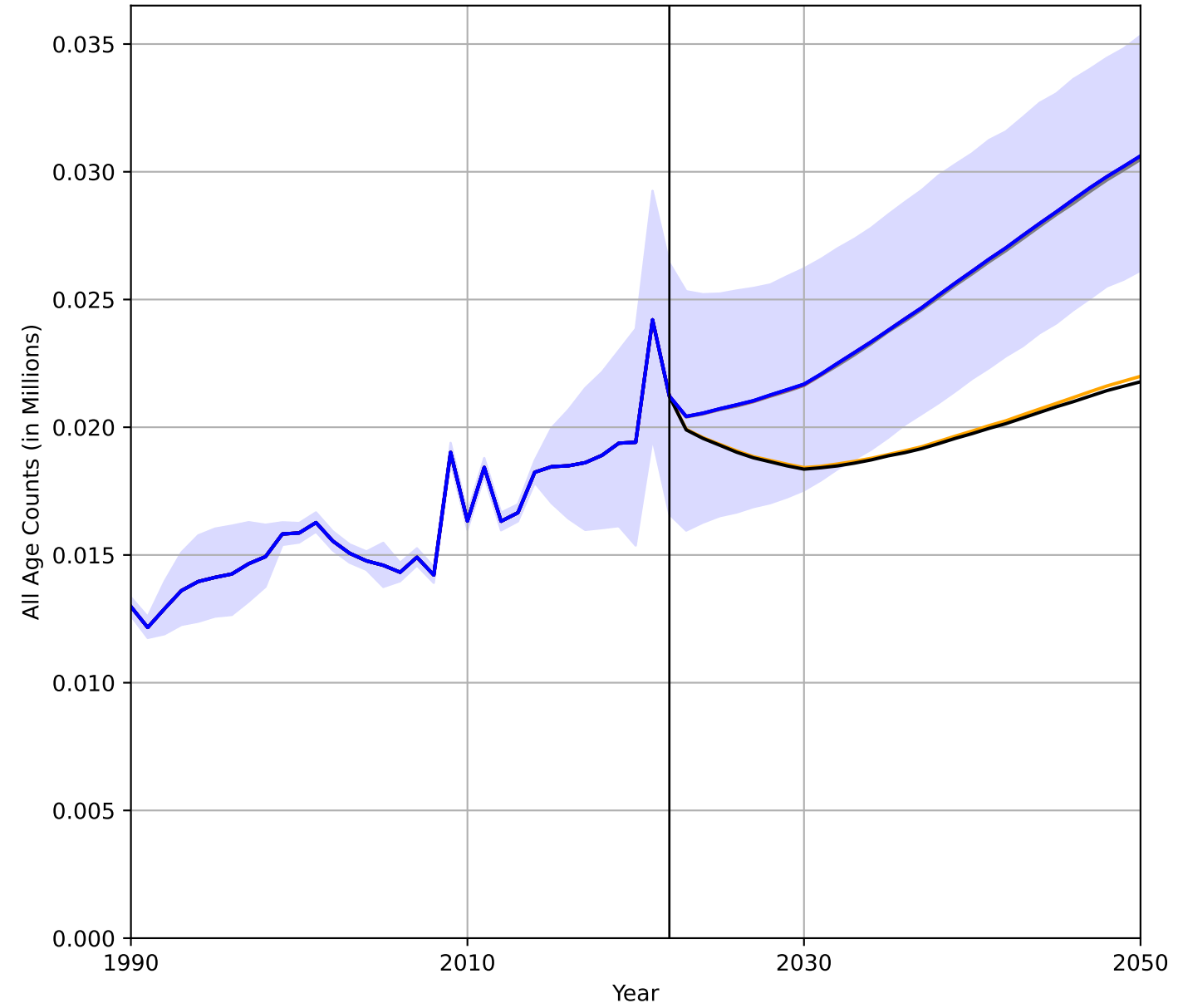
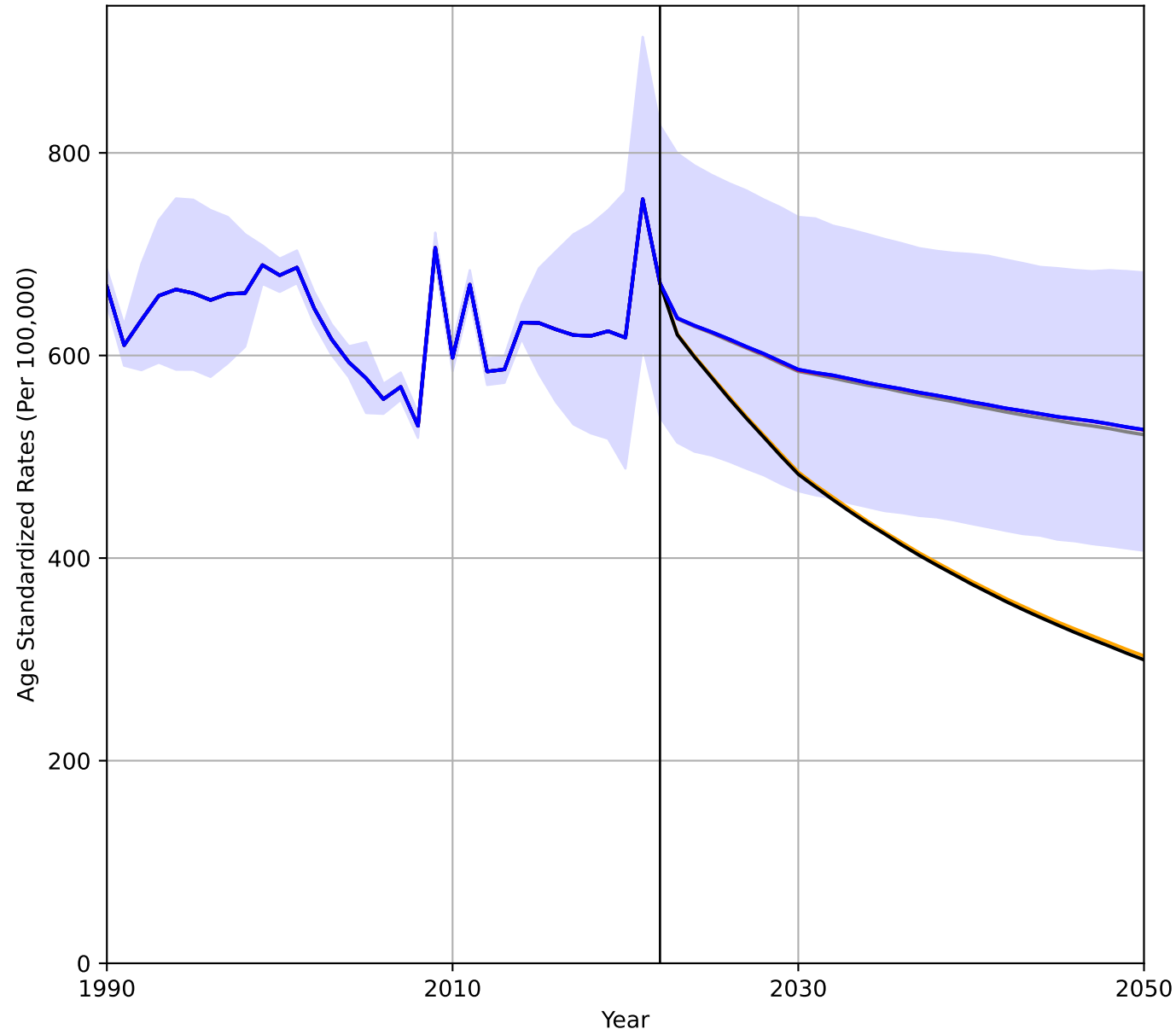
1722



# Jamaica

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

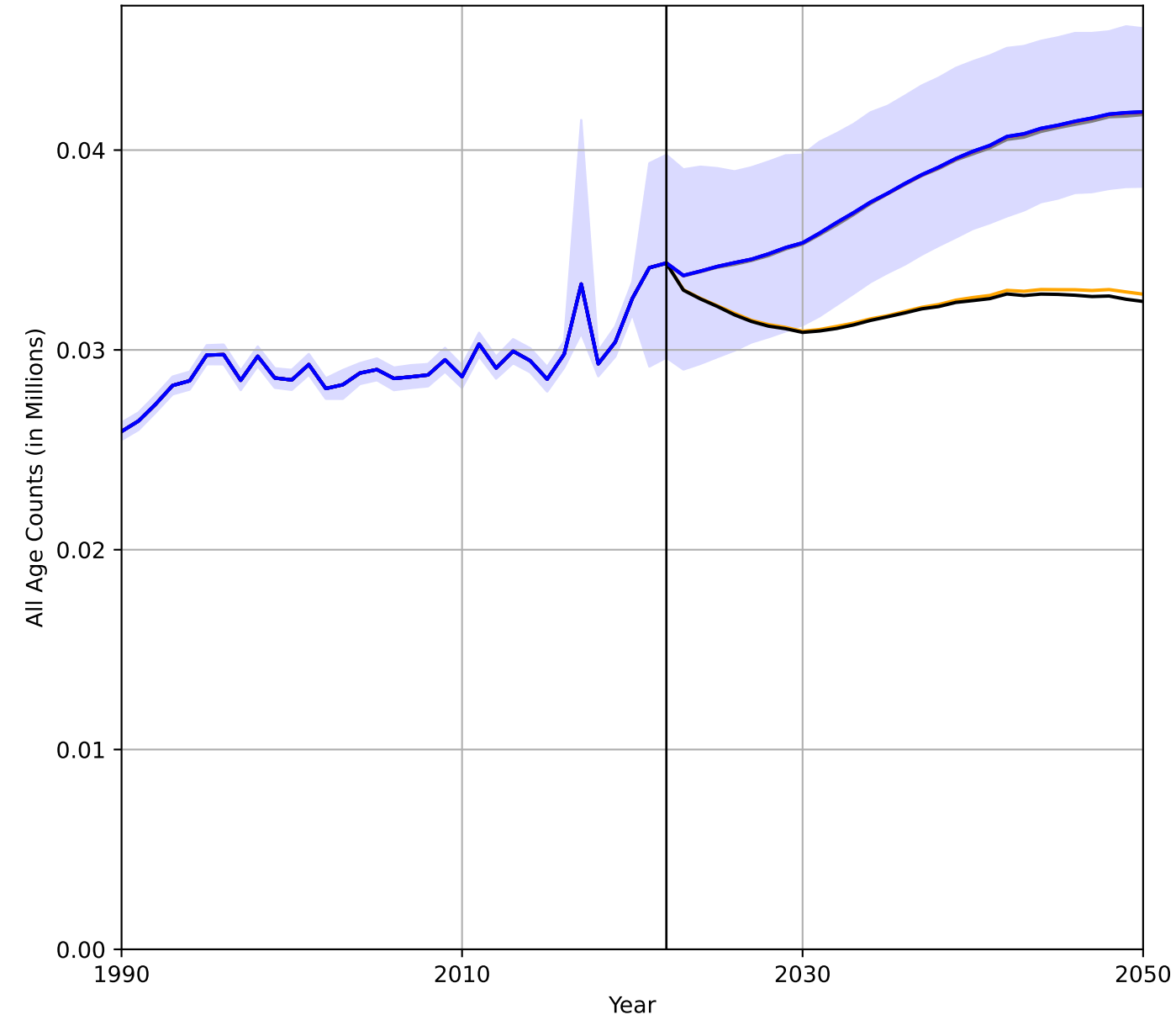
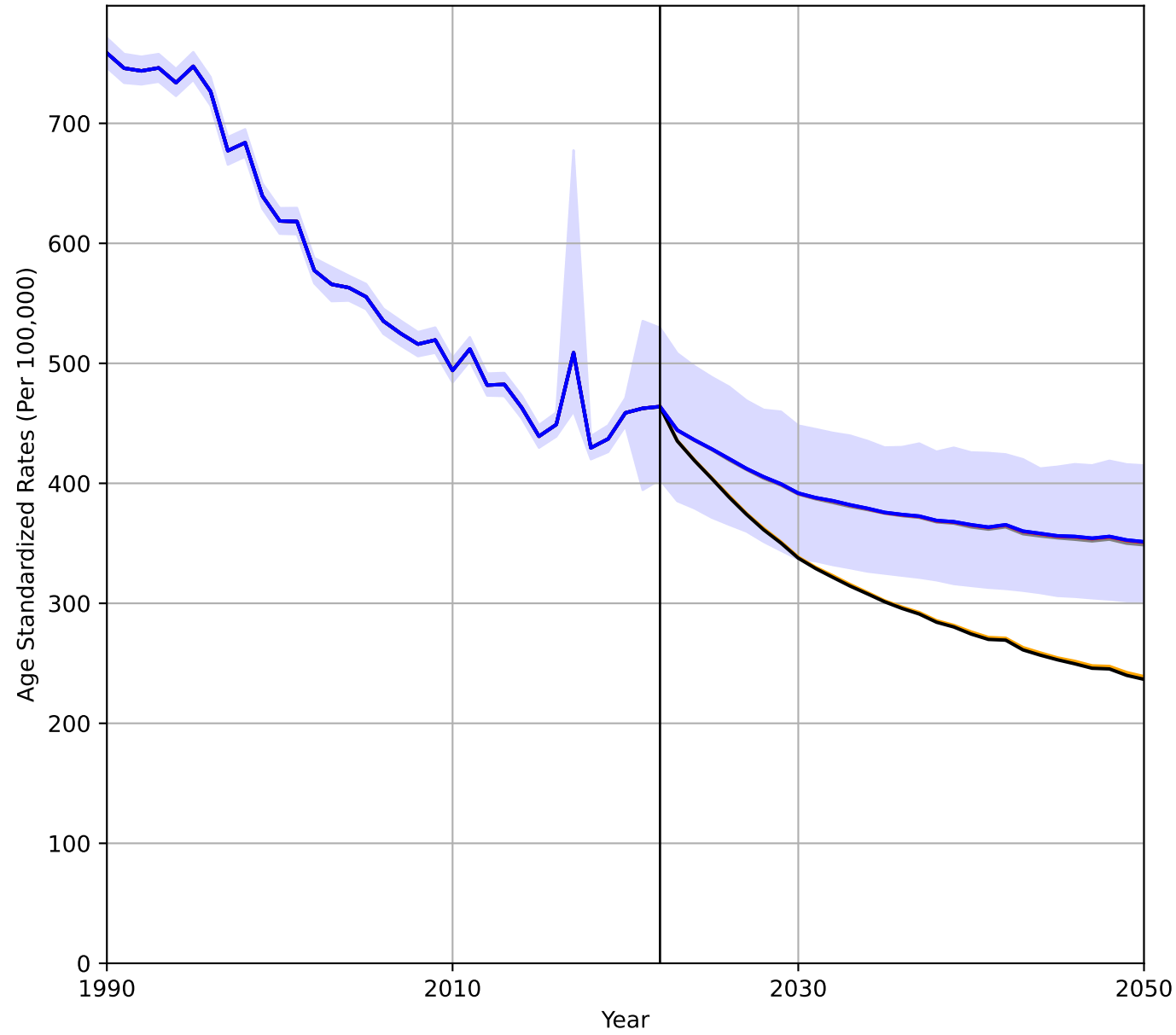
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# Puerto Rico

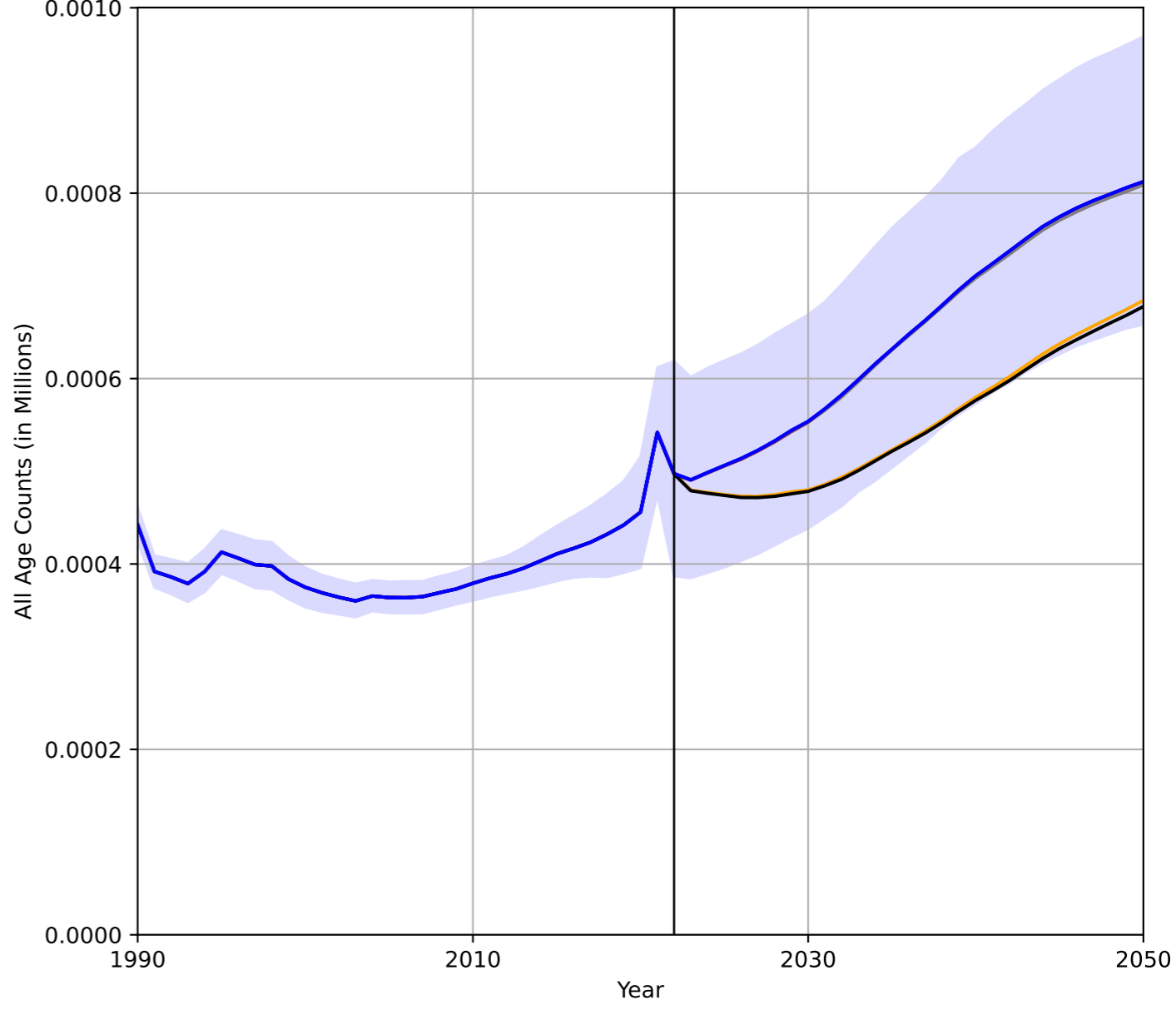
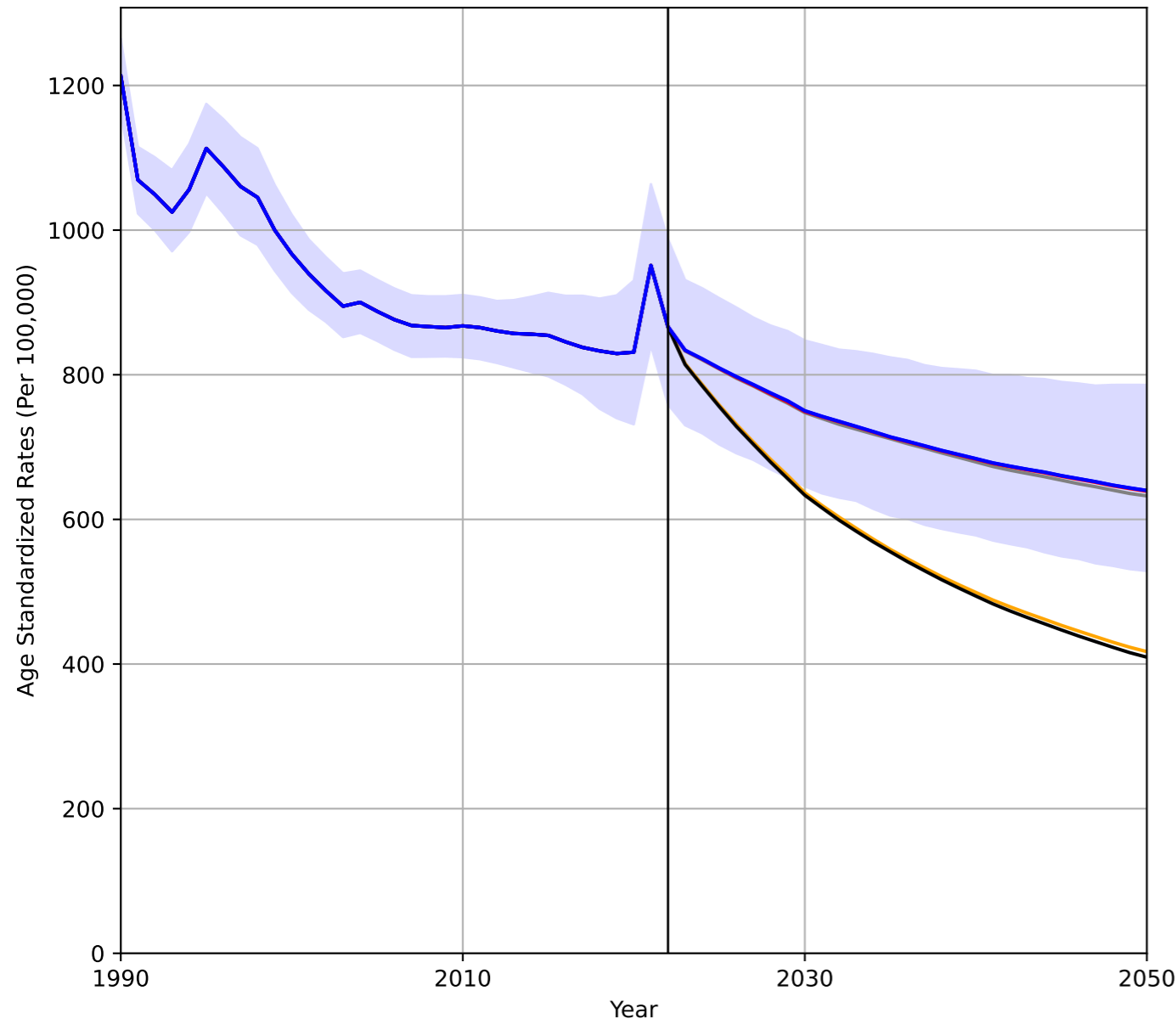
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1724



# Saint Kitts And Nevis

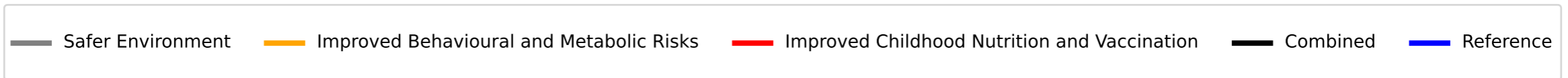
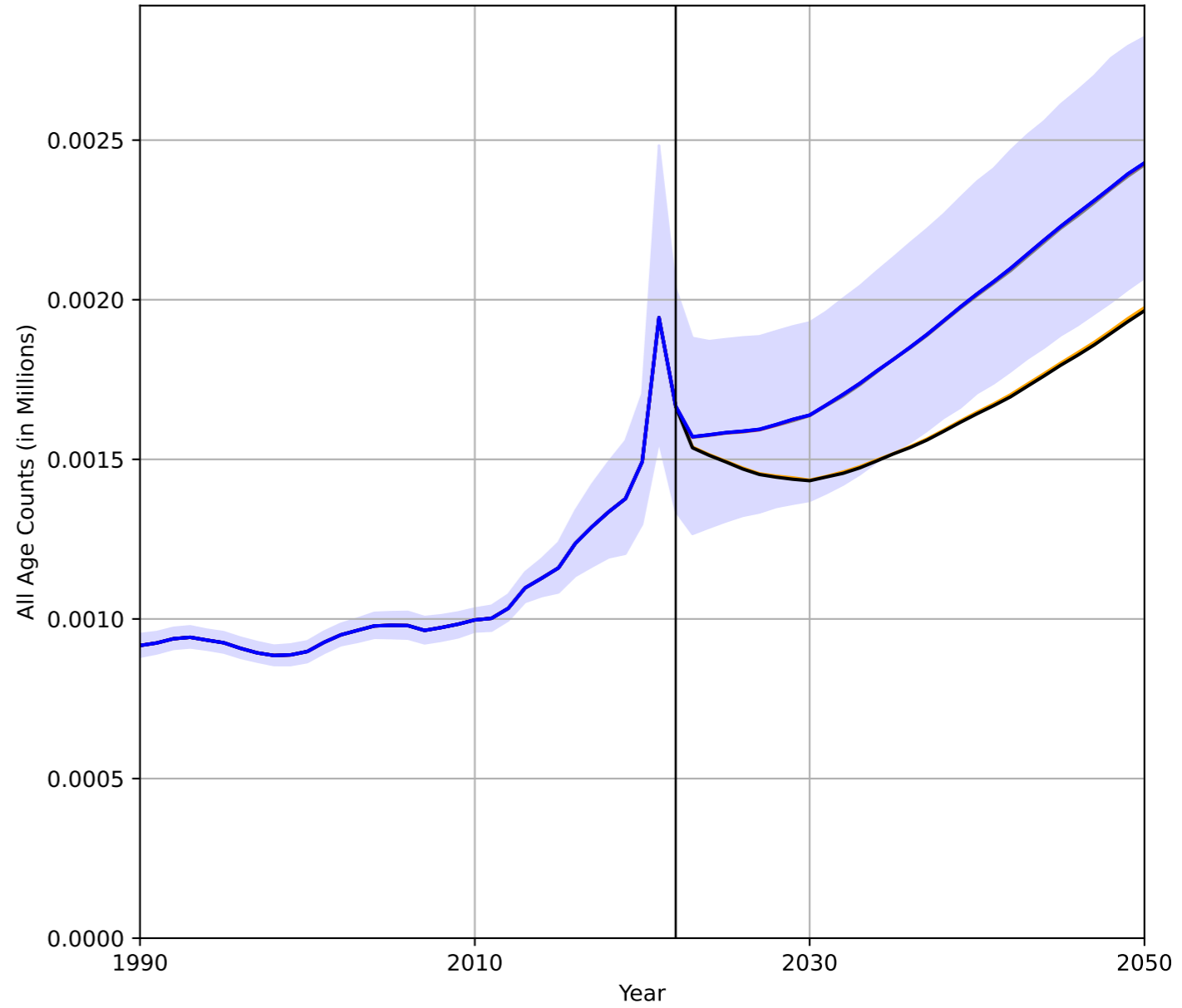
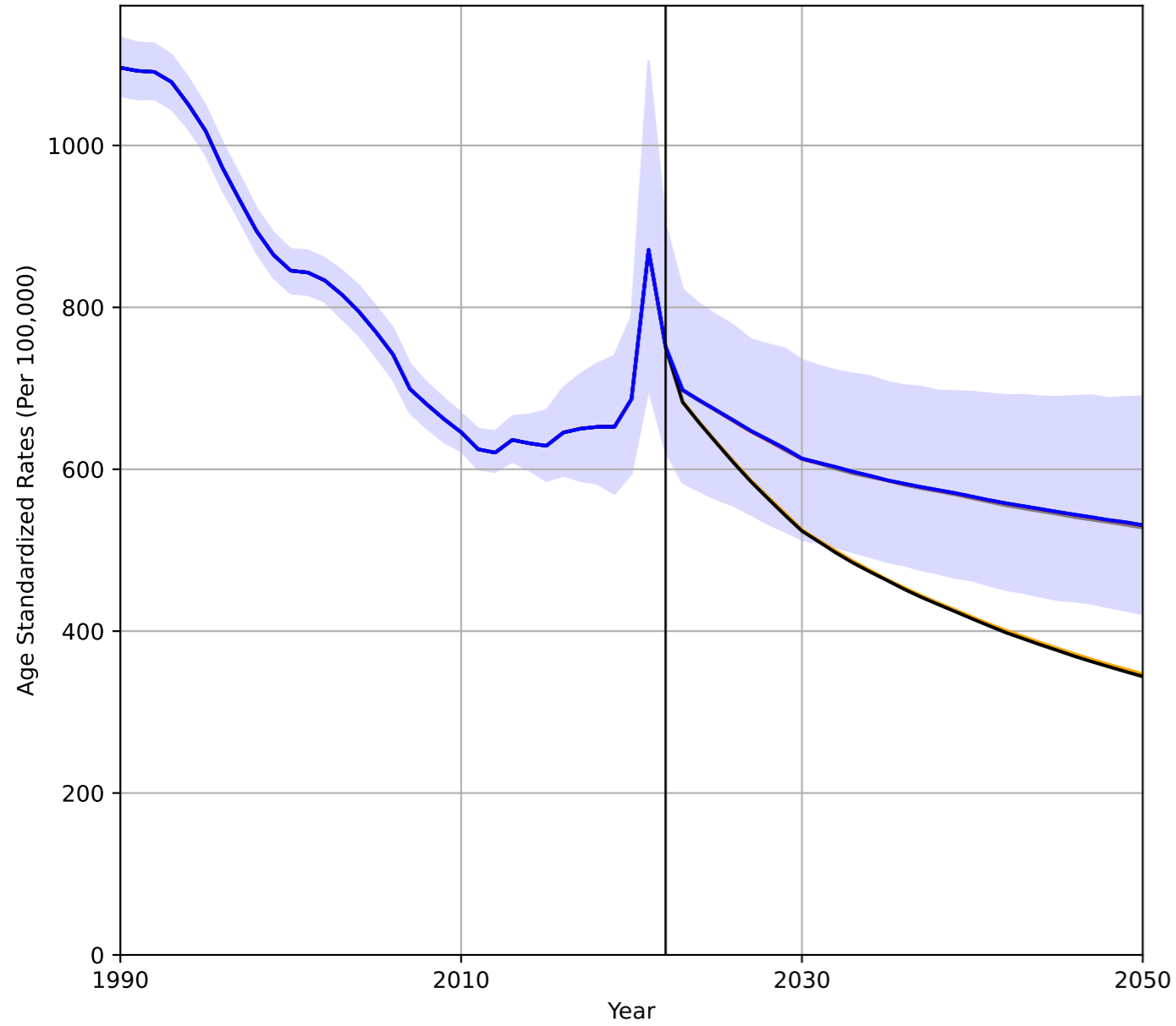
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



# Saint Lucia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

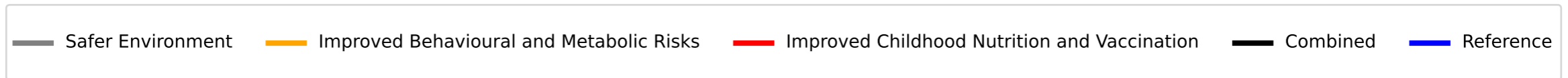
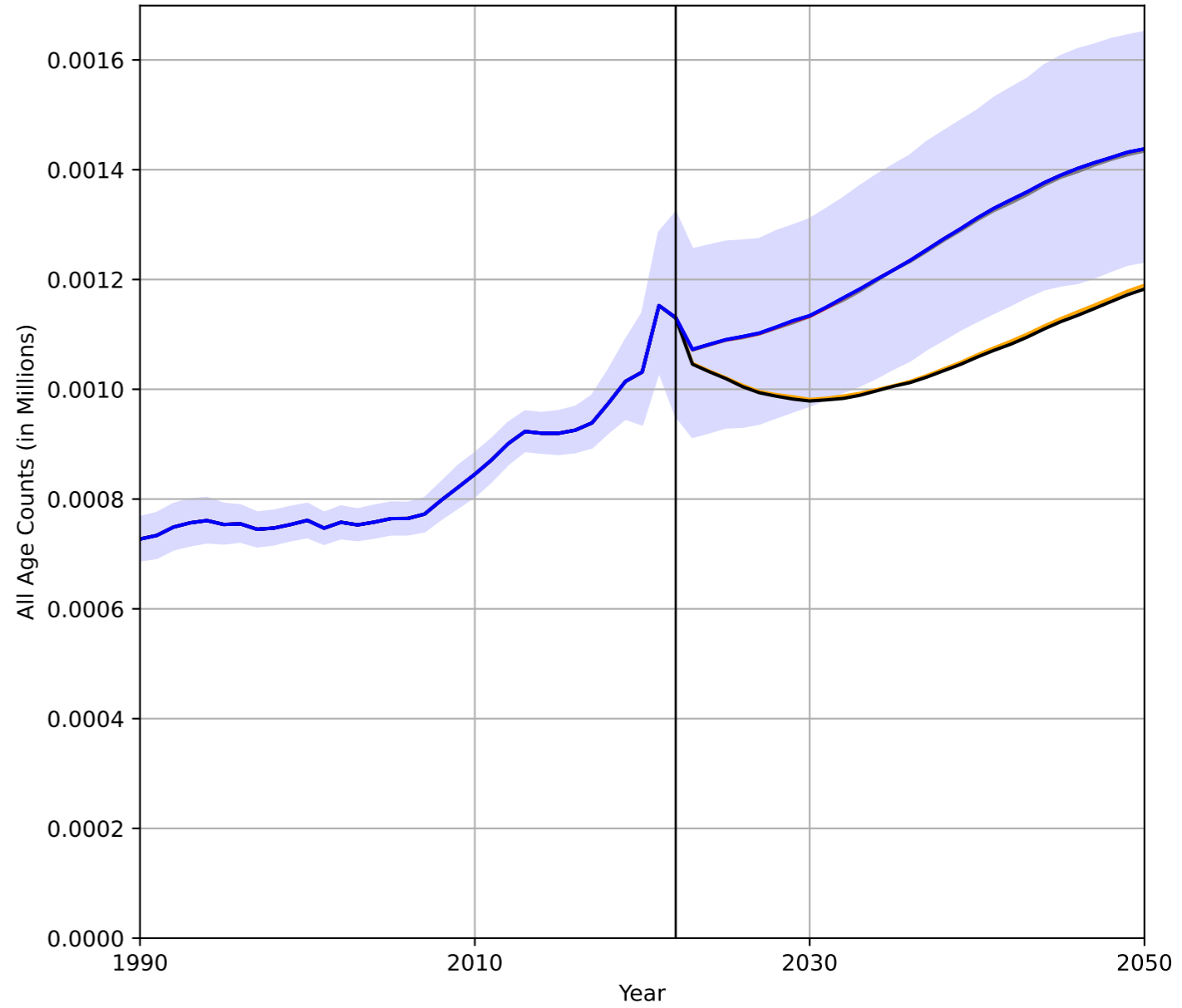
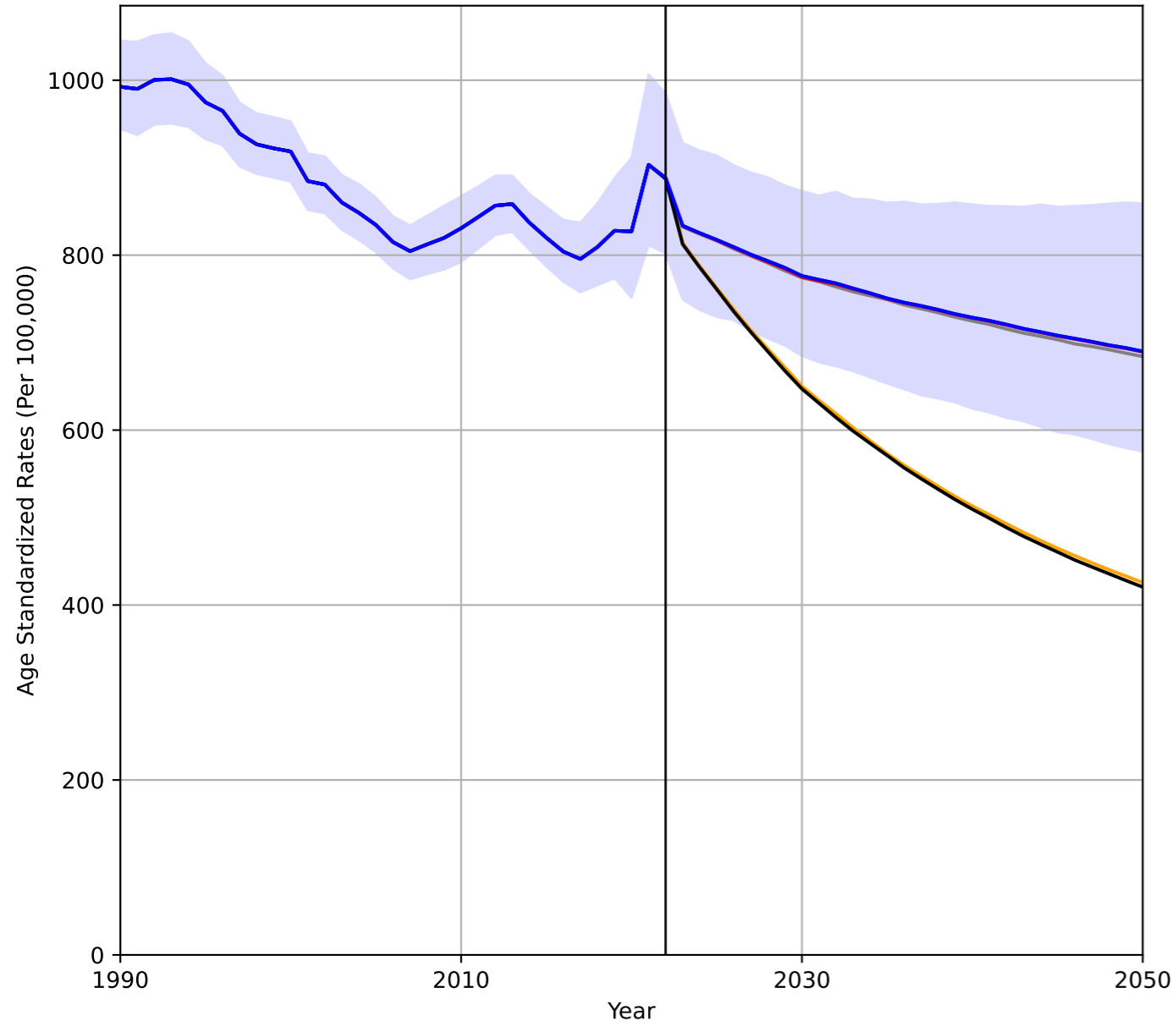
1726



# Saint Vincent And The Grenadines

1727

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

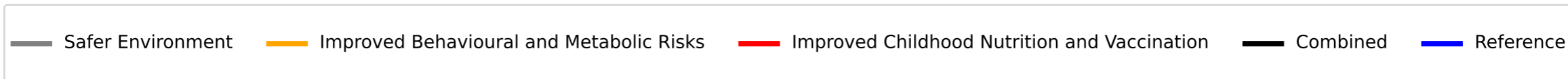
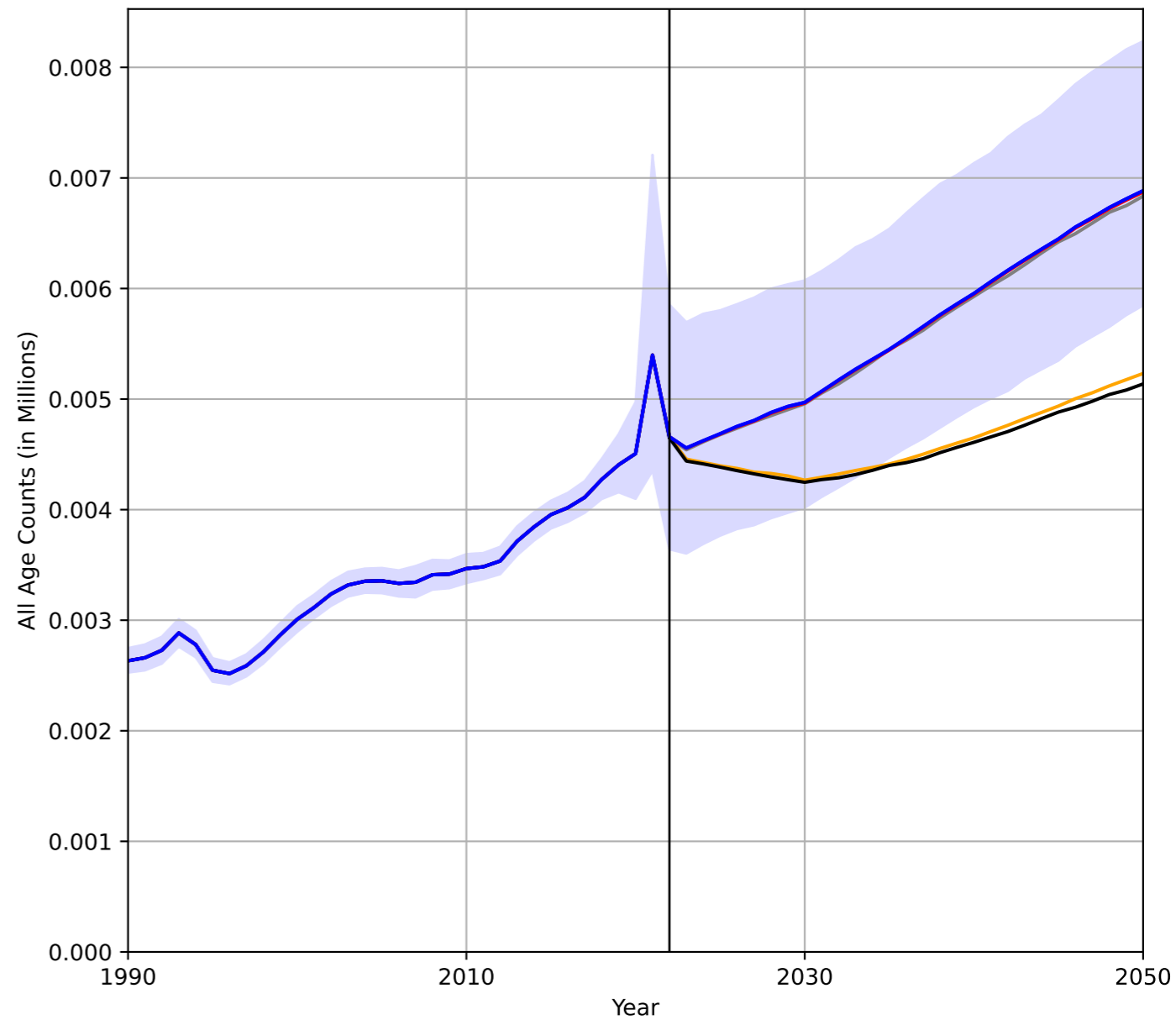
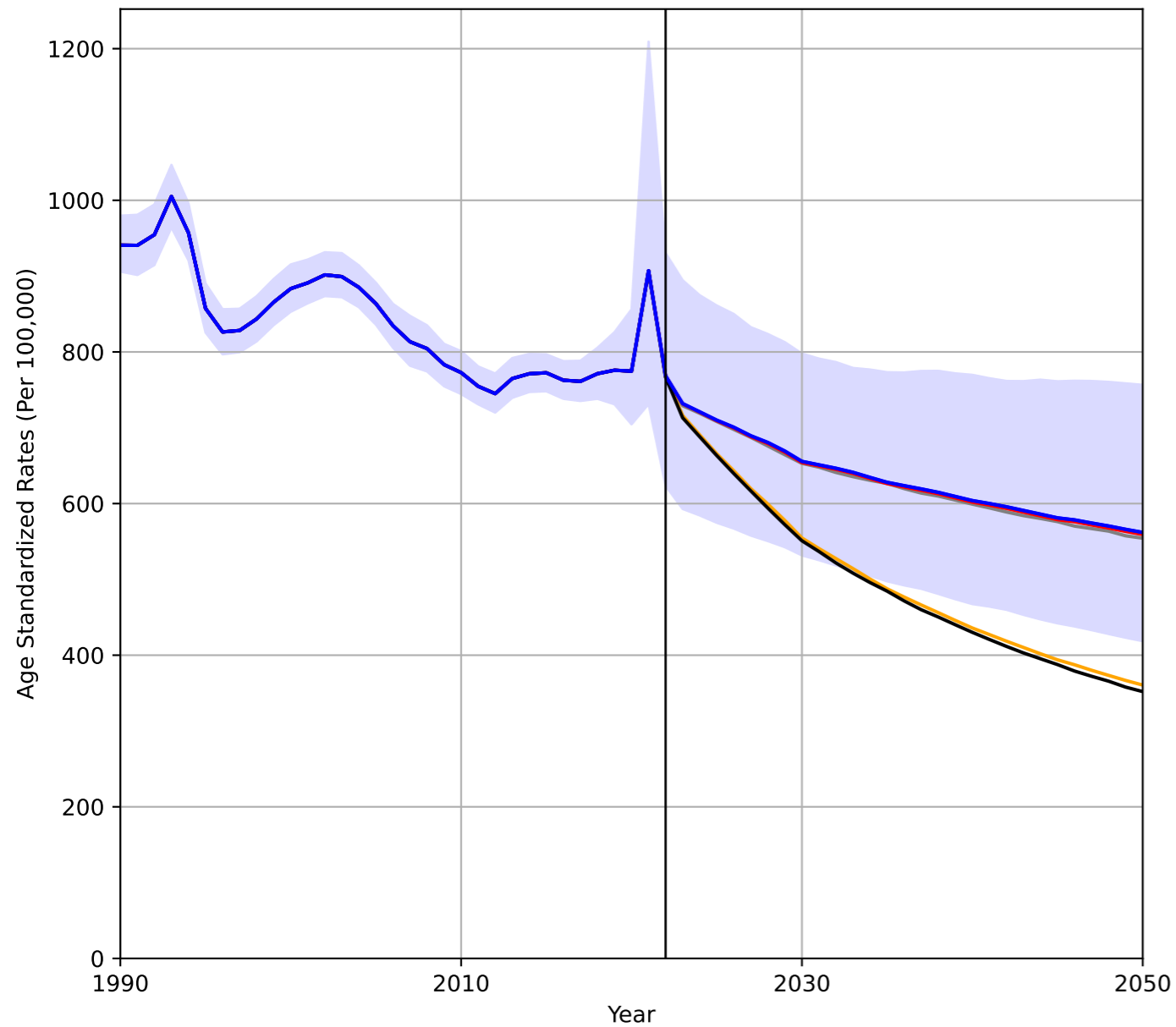




# Suriname

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

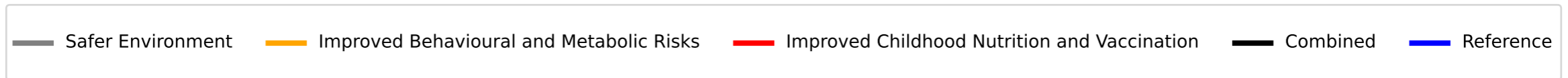
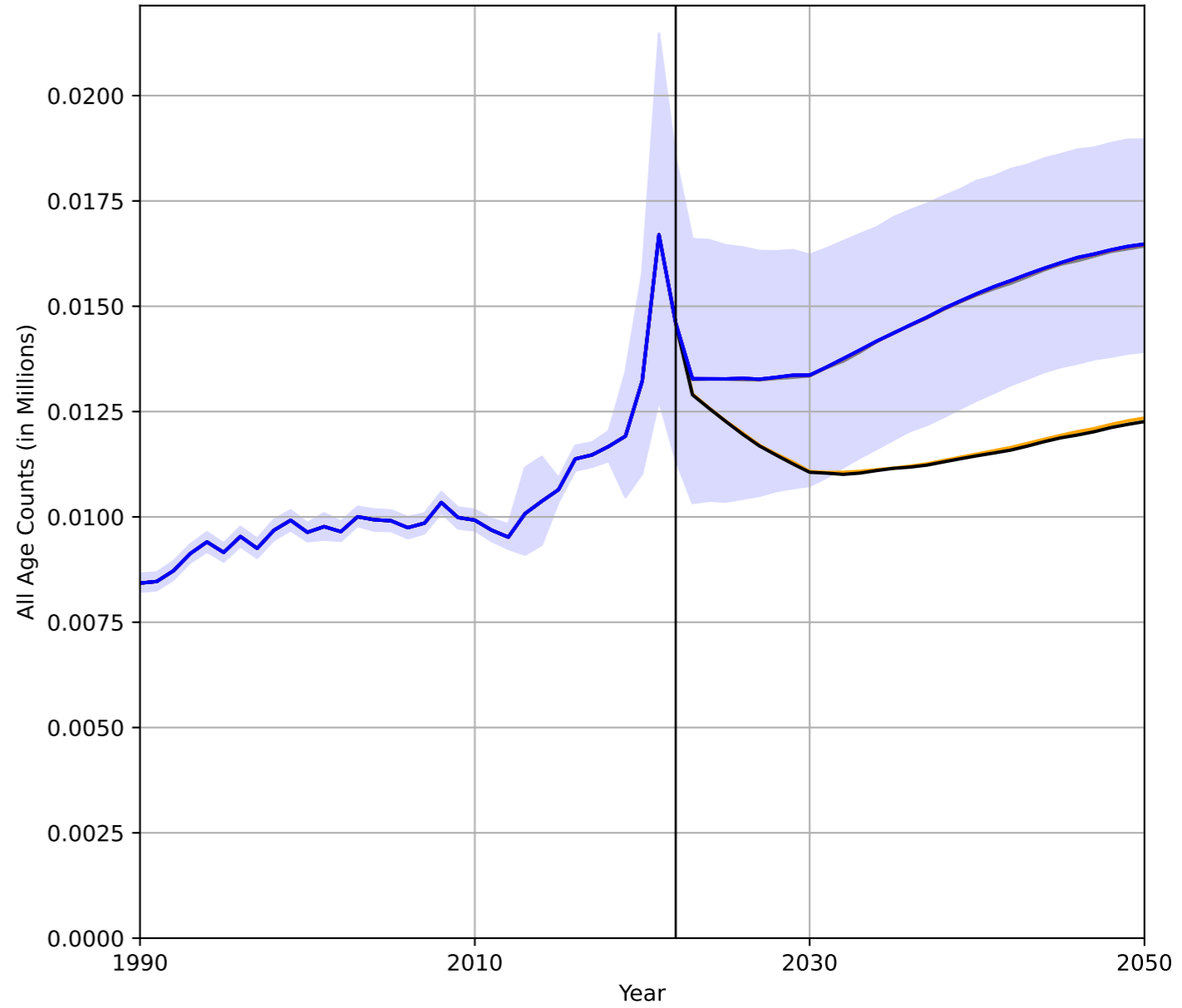
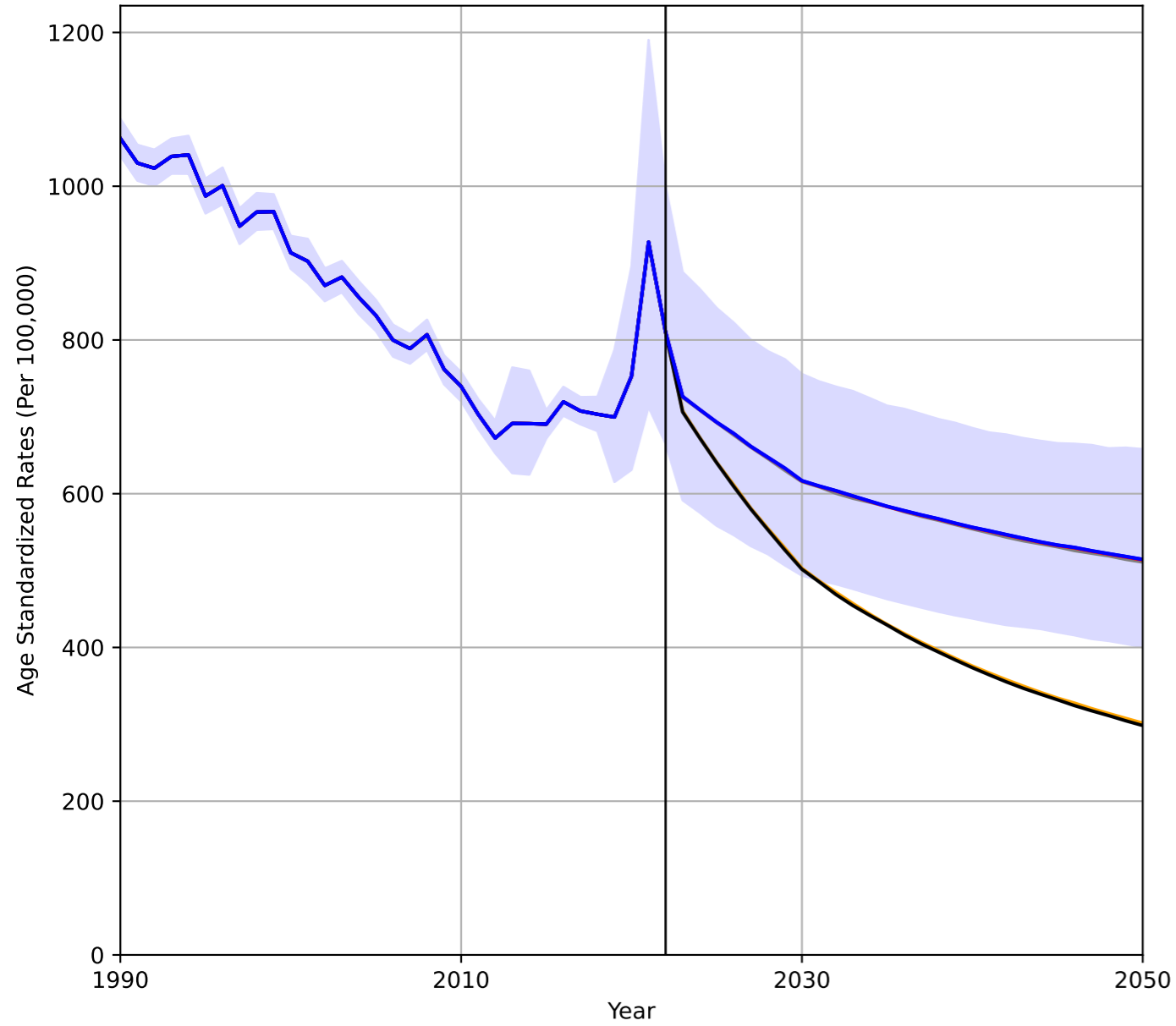
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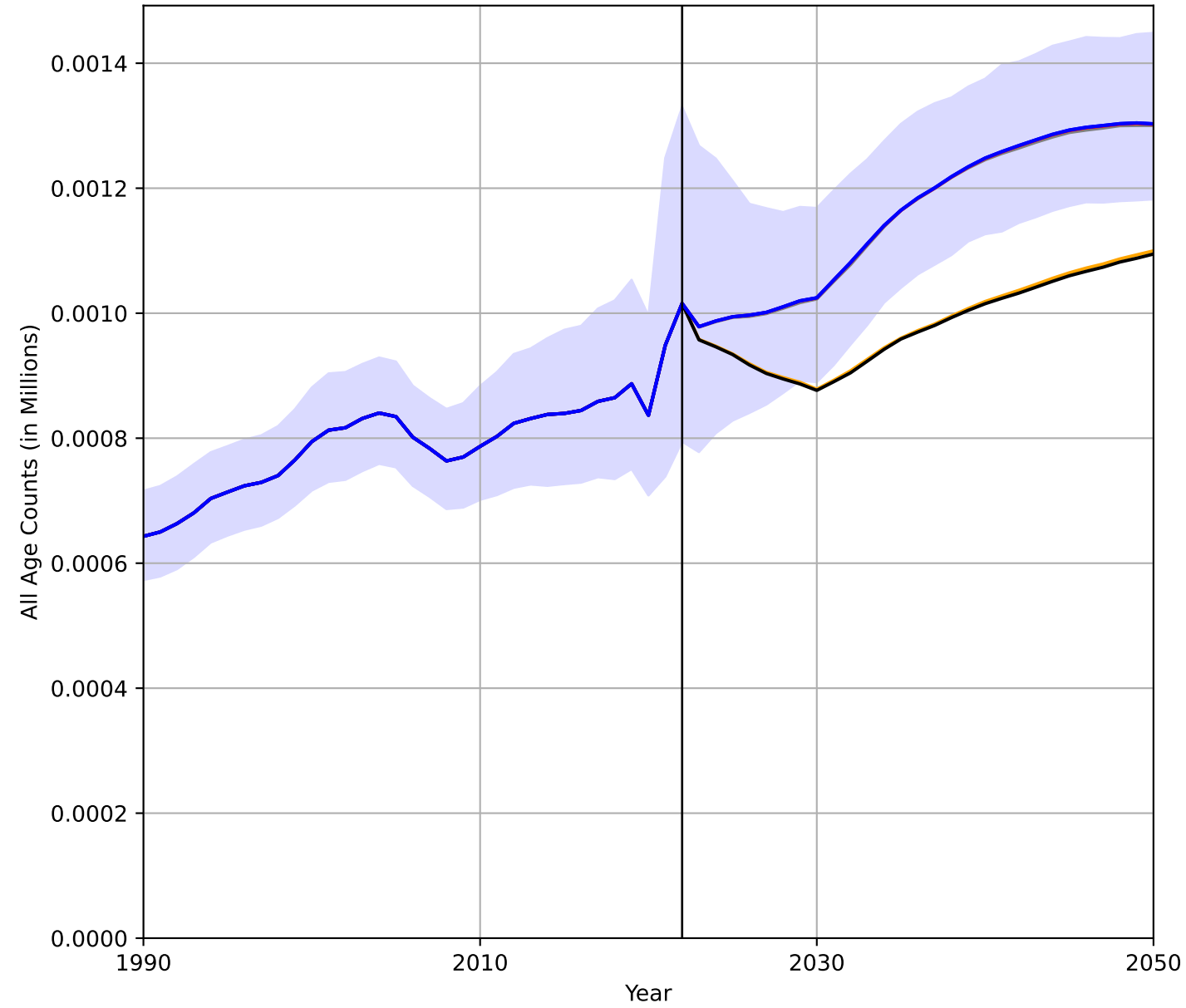
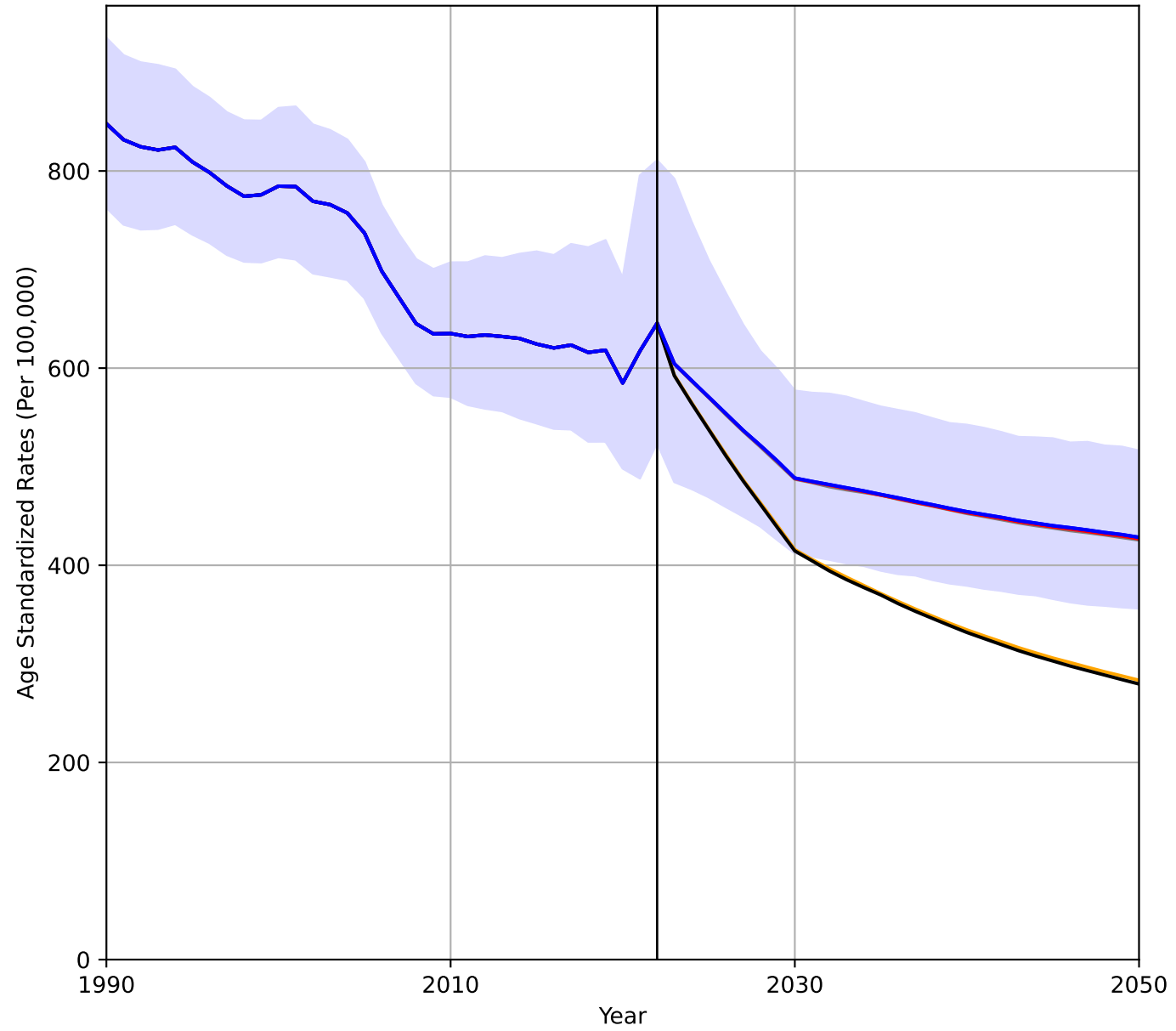
# Trinidad And Tobago

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1729



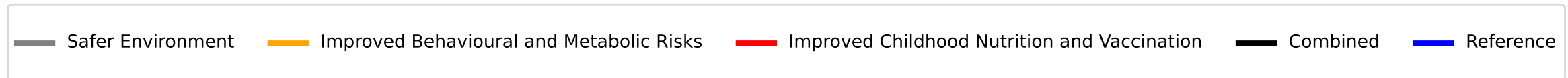
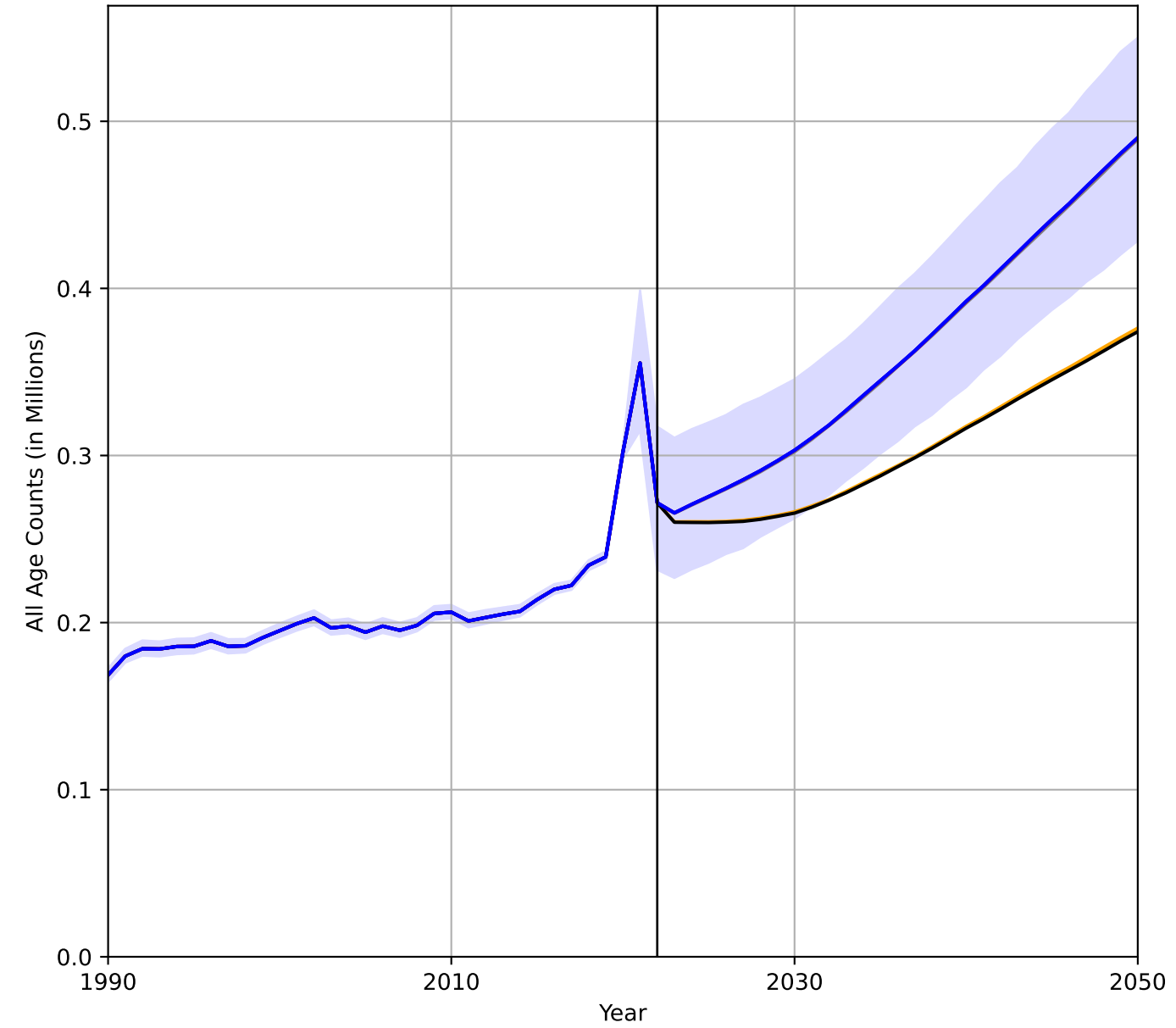
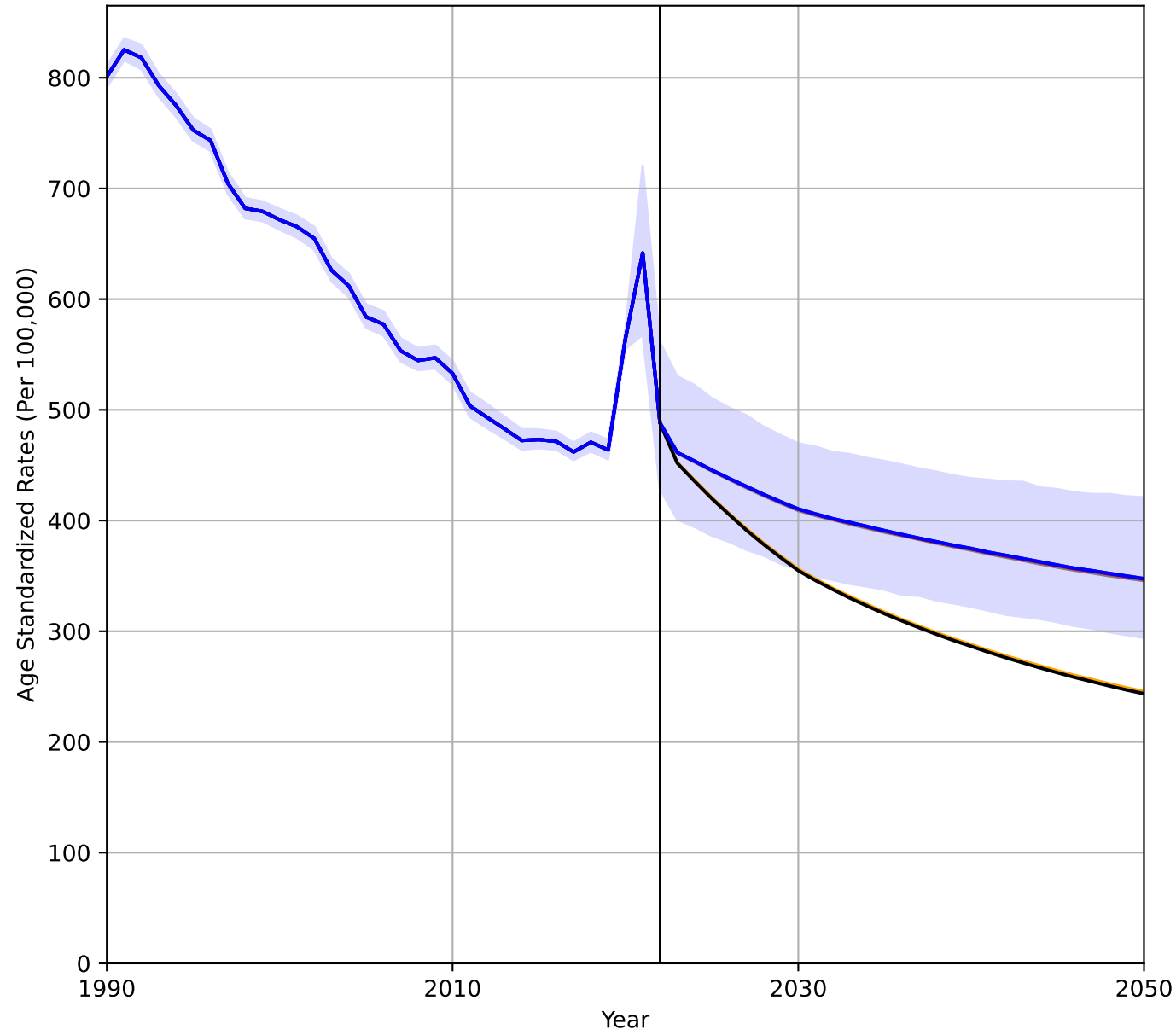
# Virgin Islands



# Colombia

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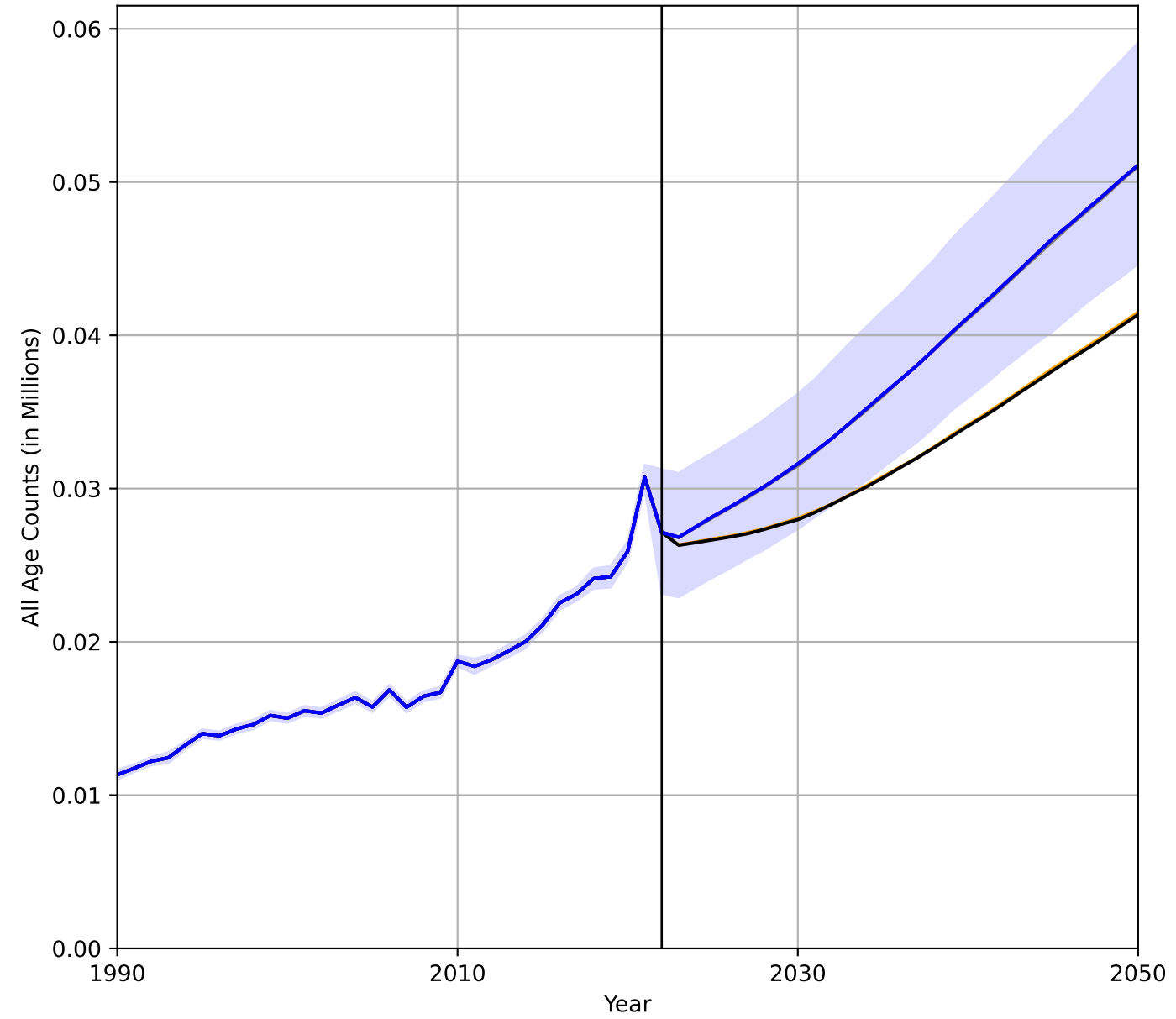
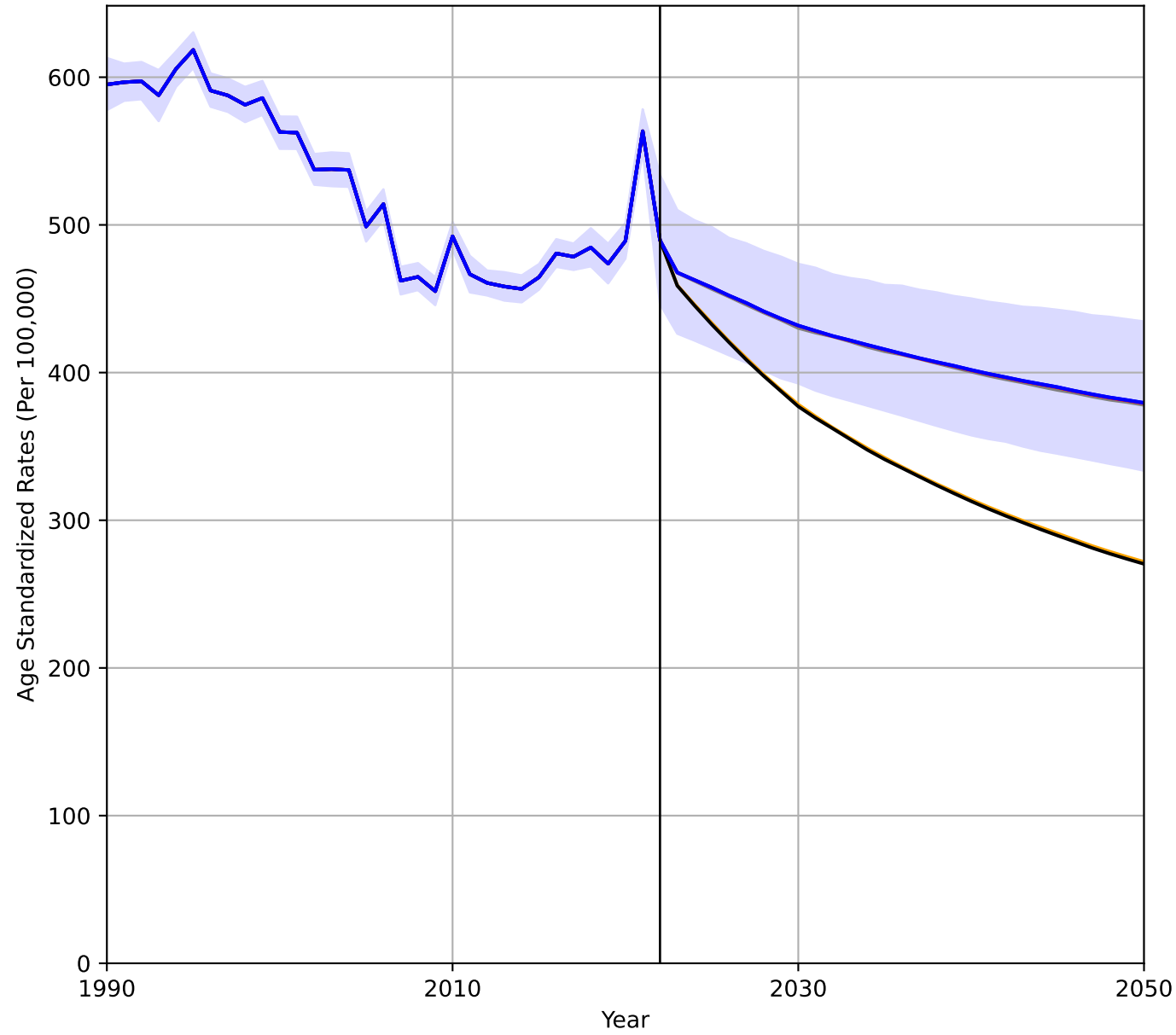
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# Costa Rica

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

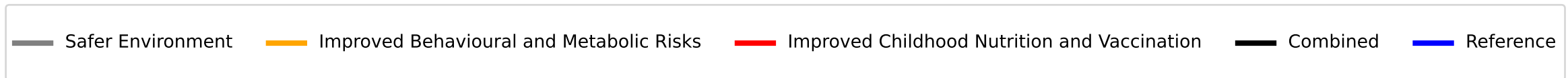
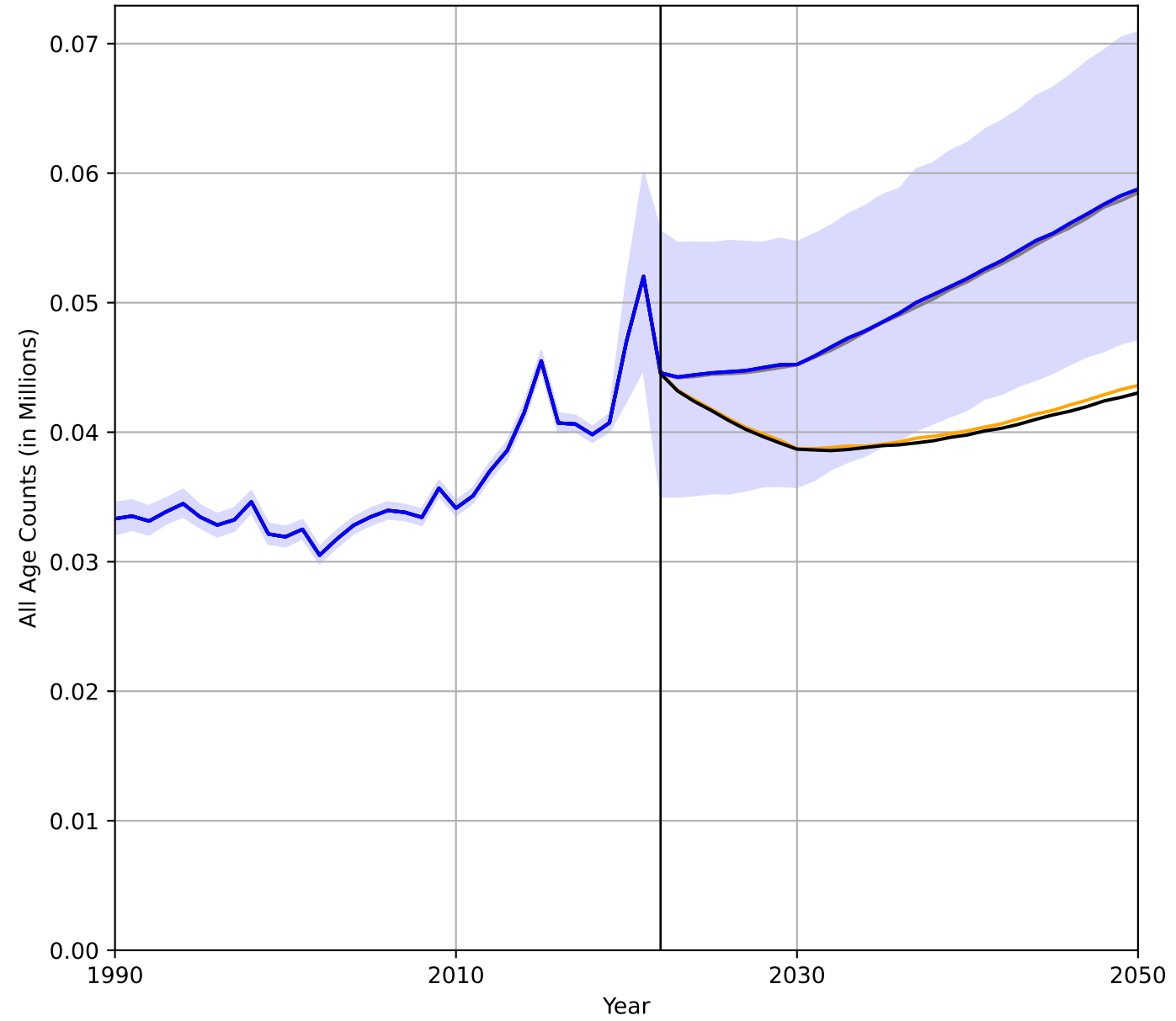
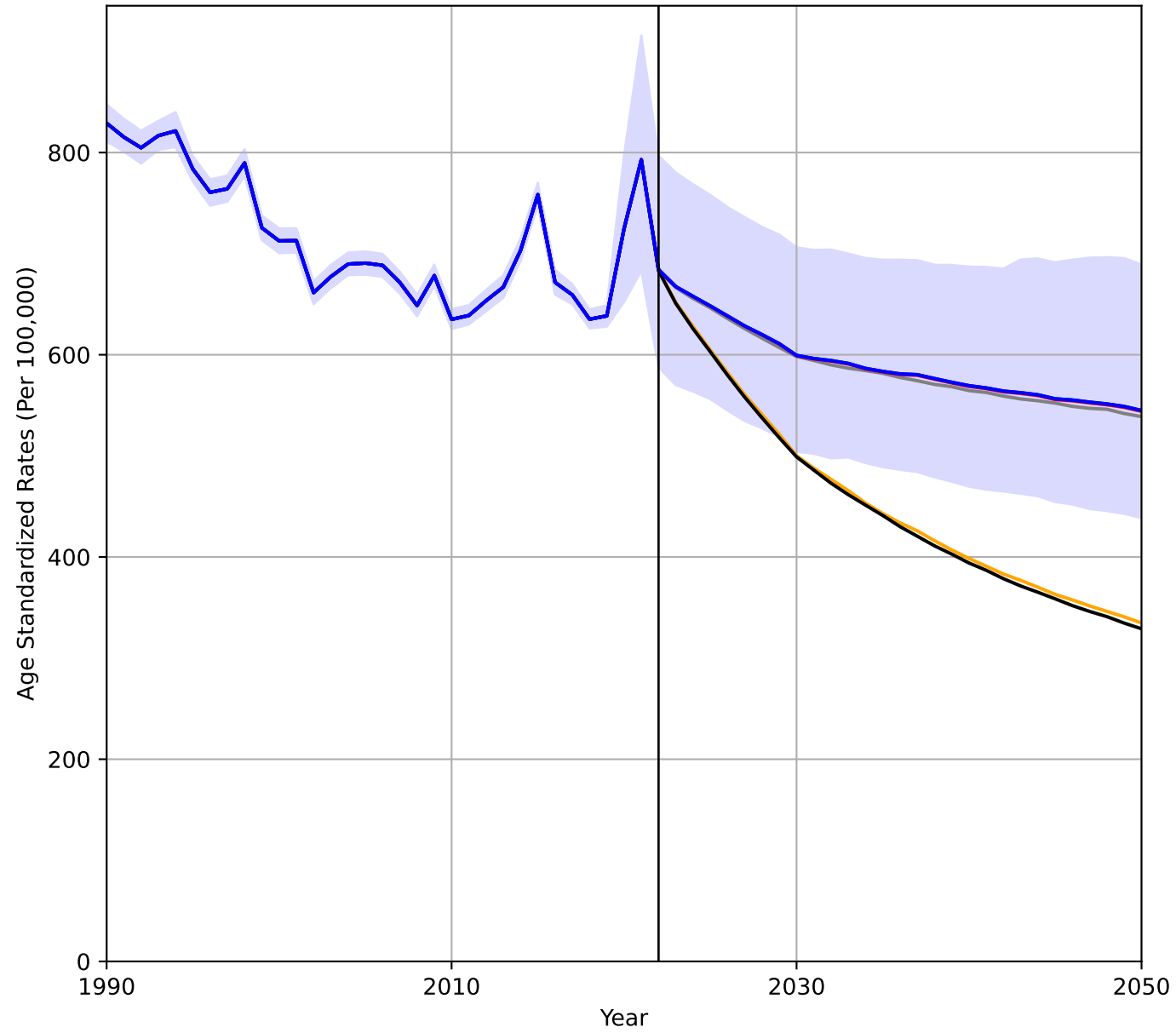
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# El Salvador

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

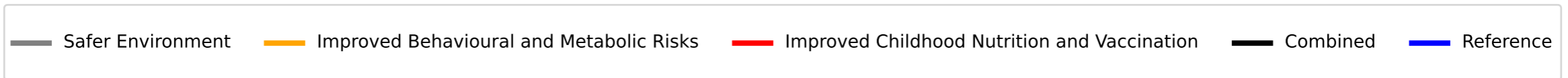
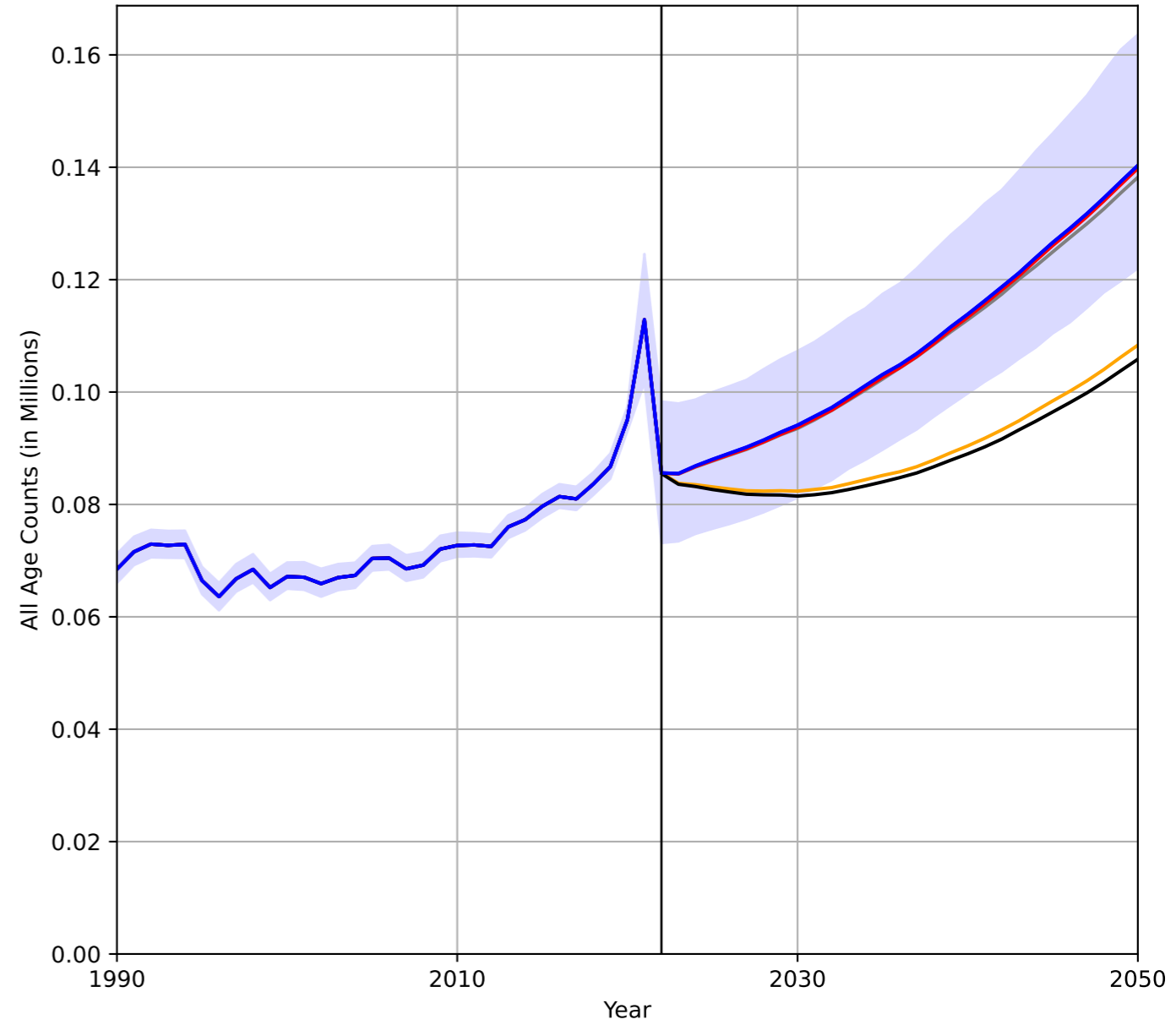
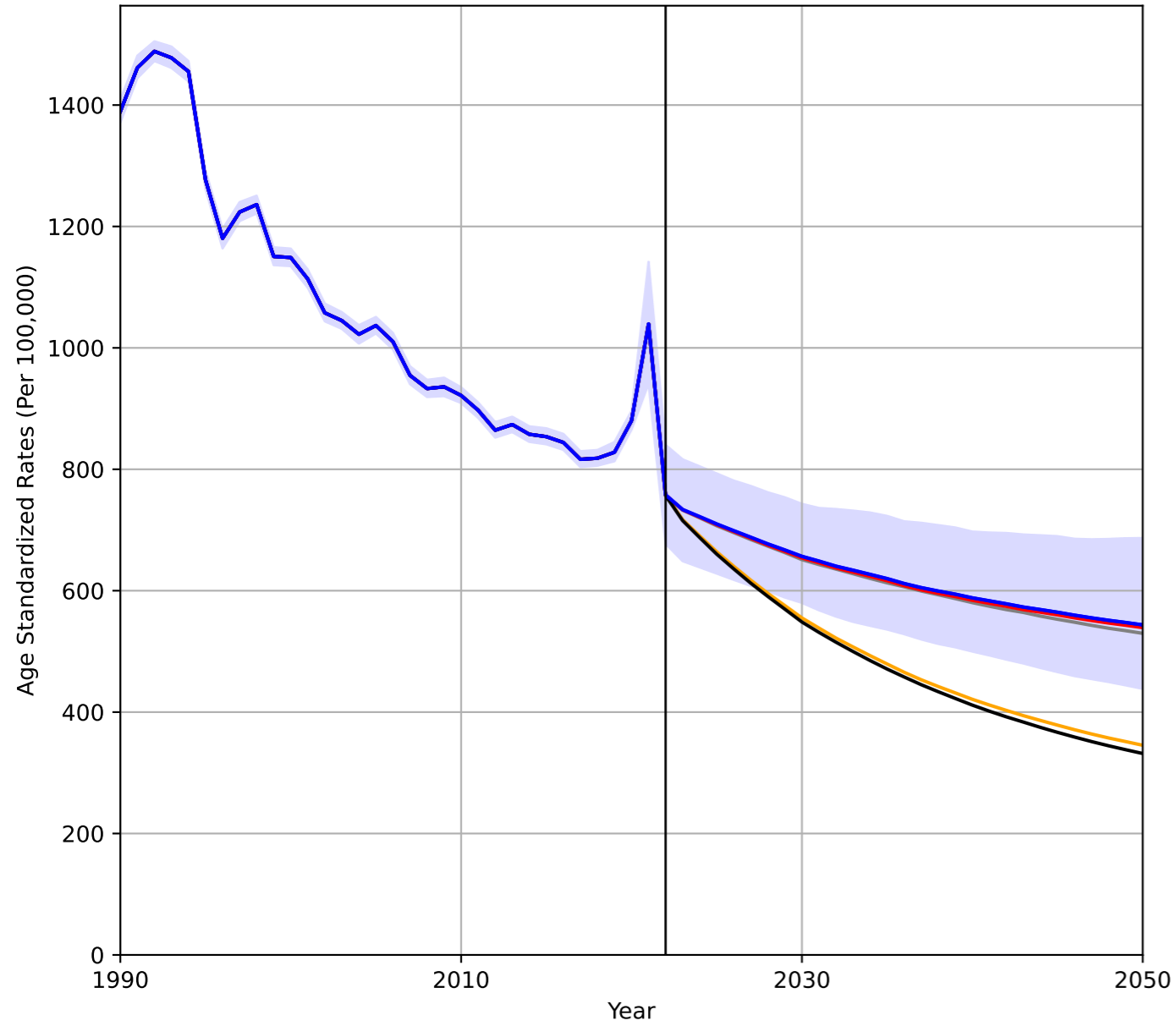
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# Guatemala

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

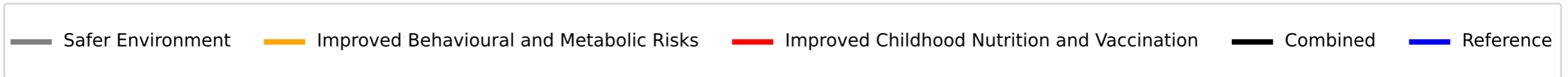
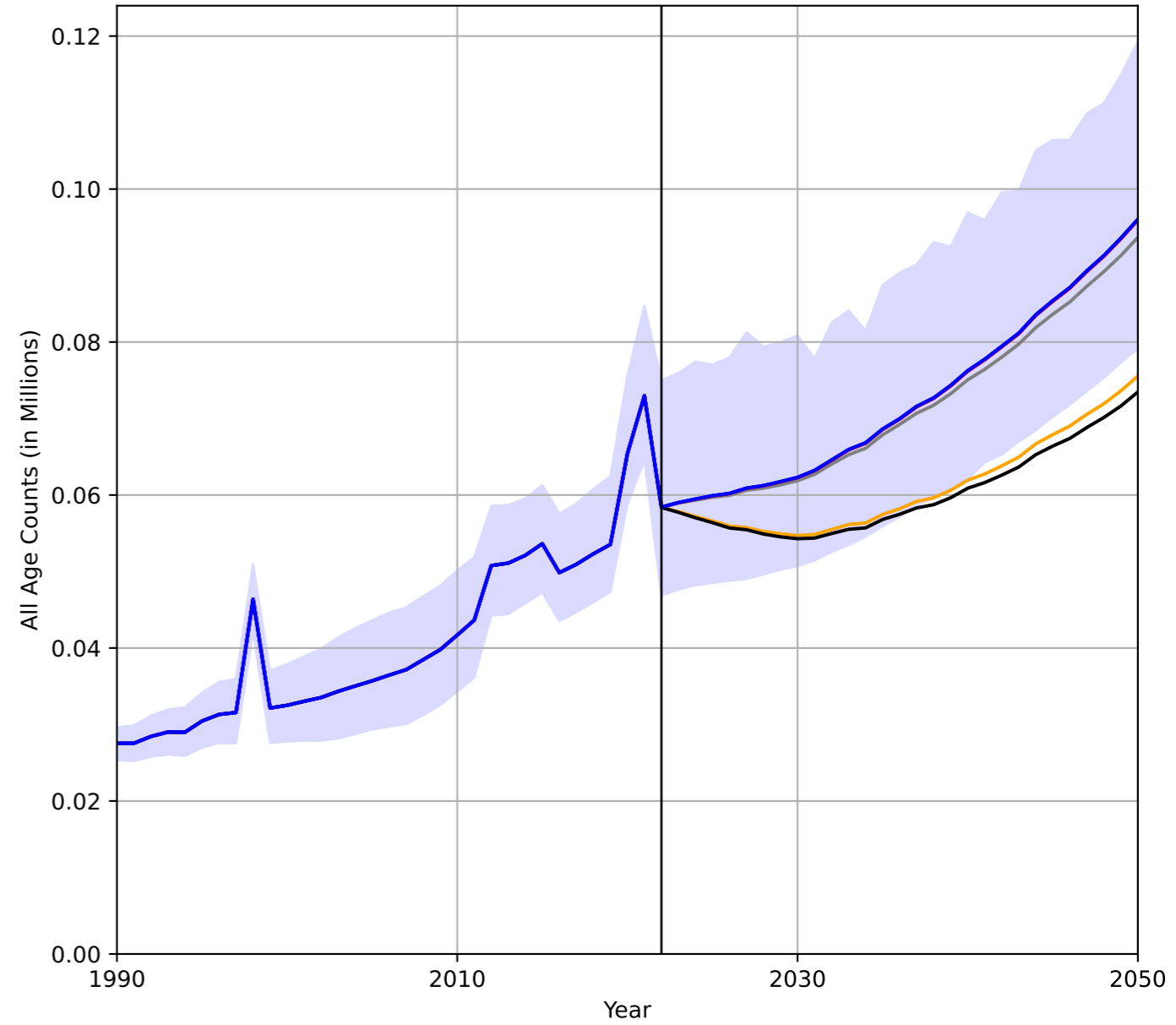
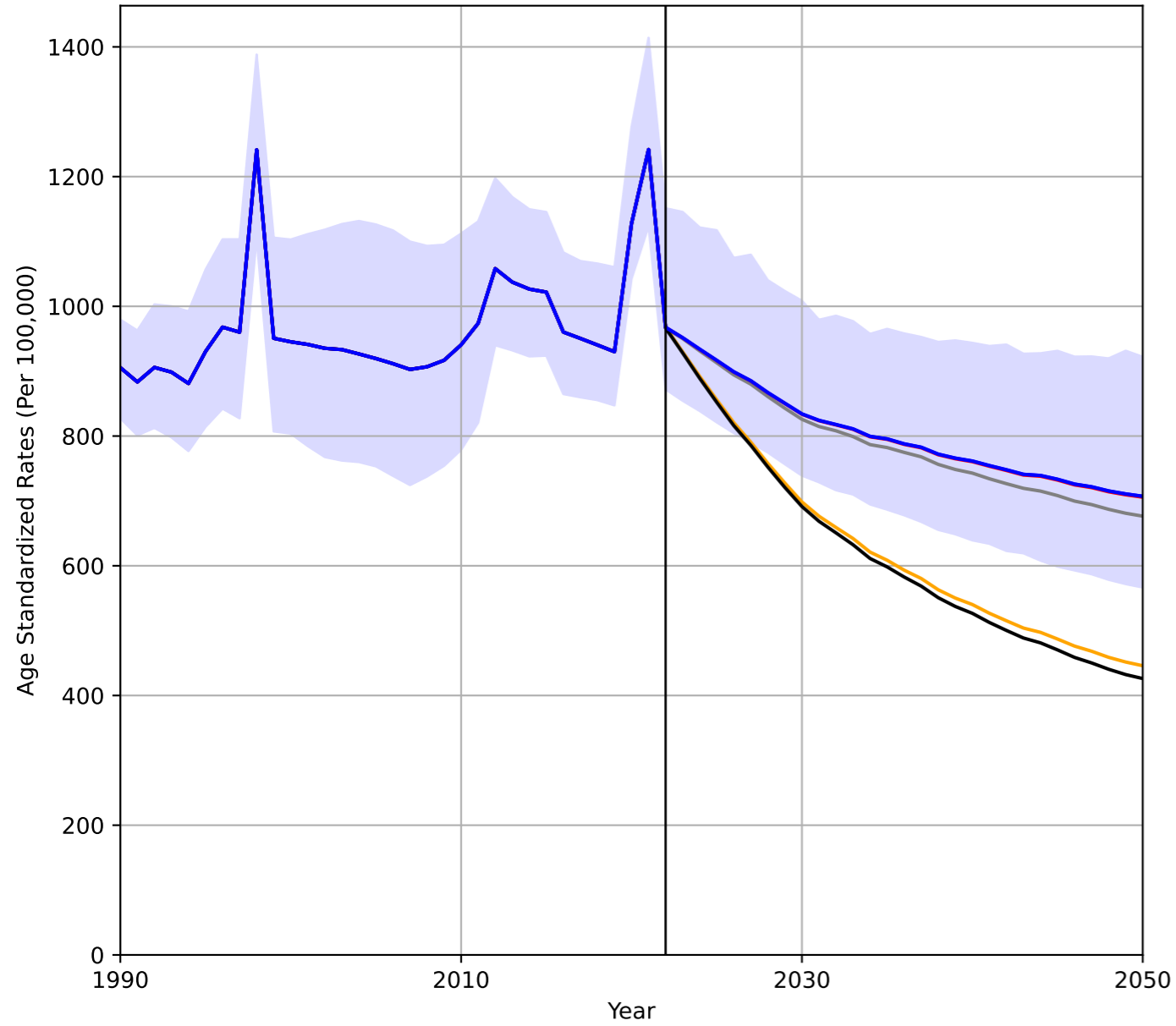
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# Honduras

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1735

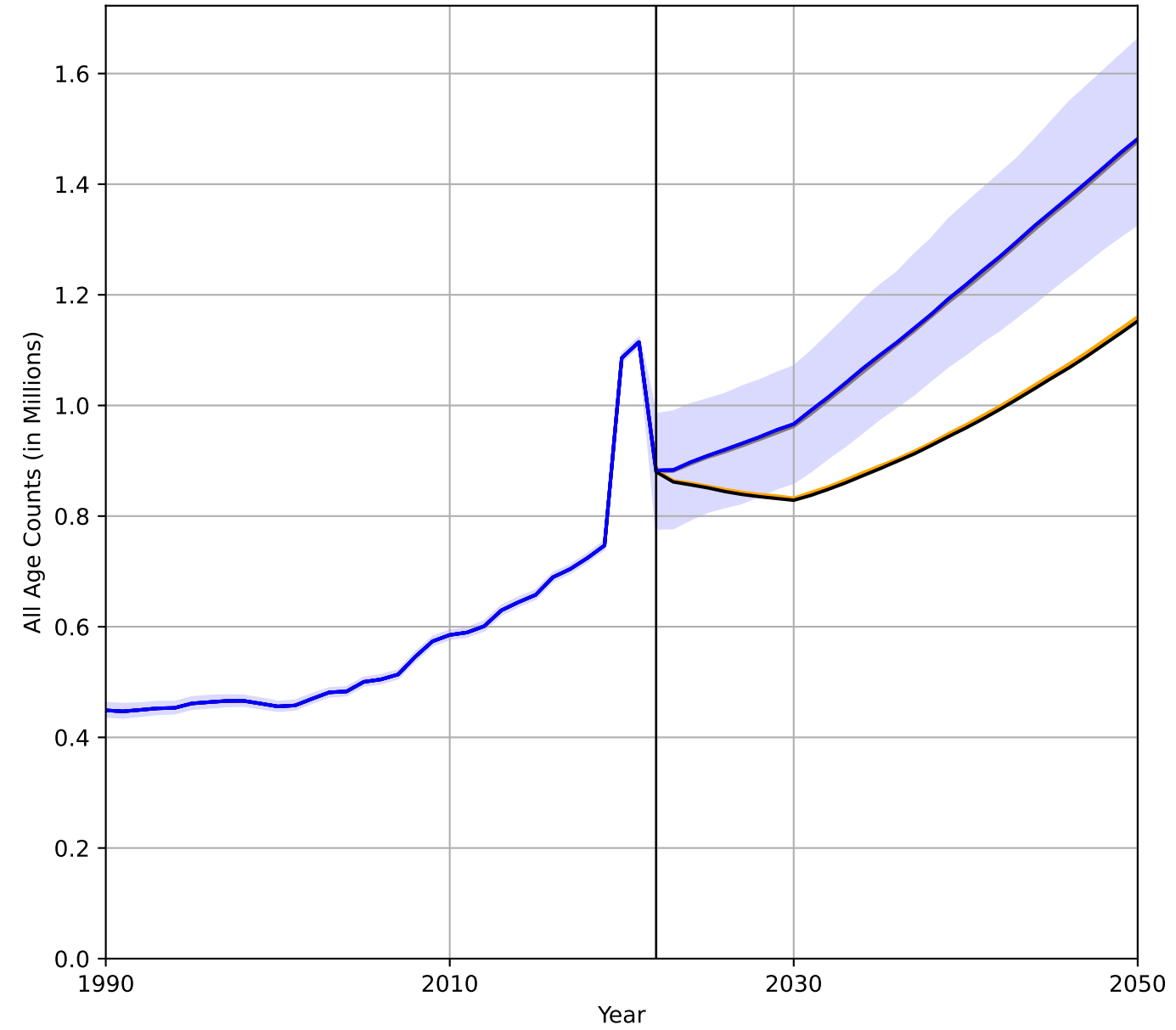
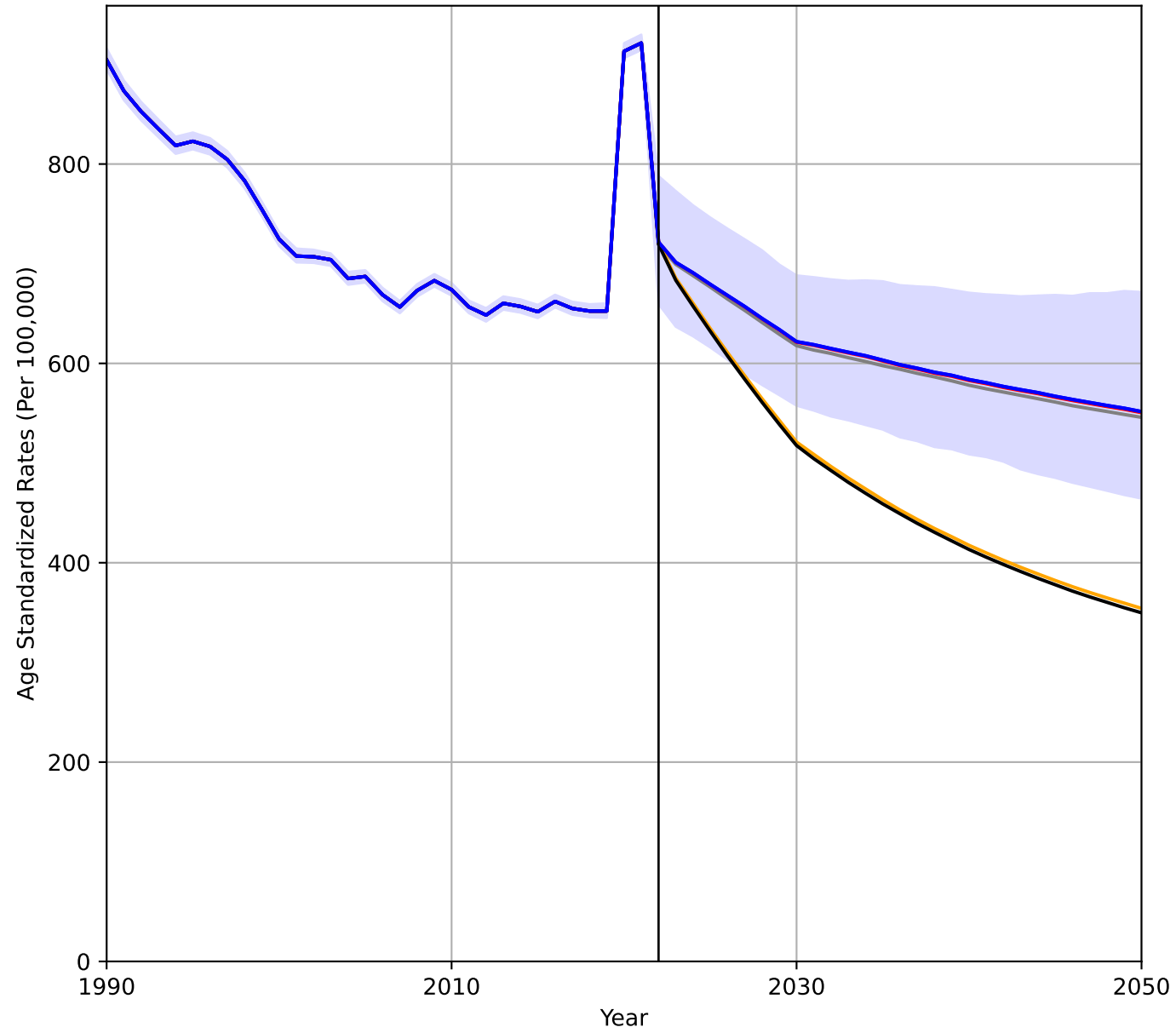




# Mexico

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

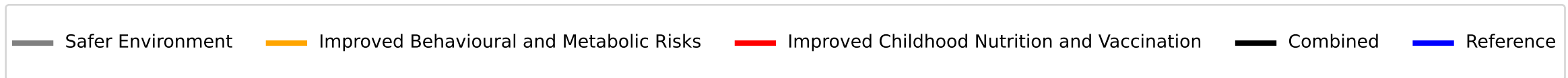
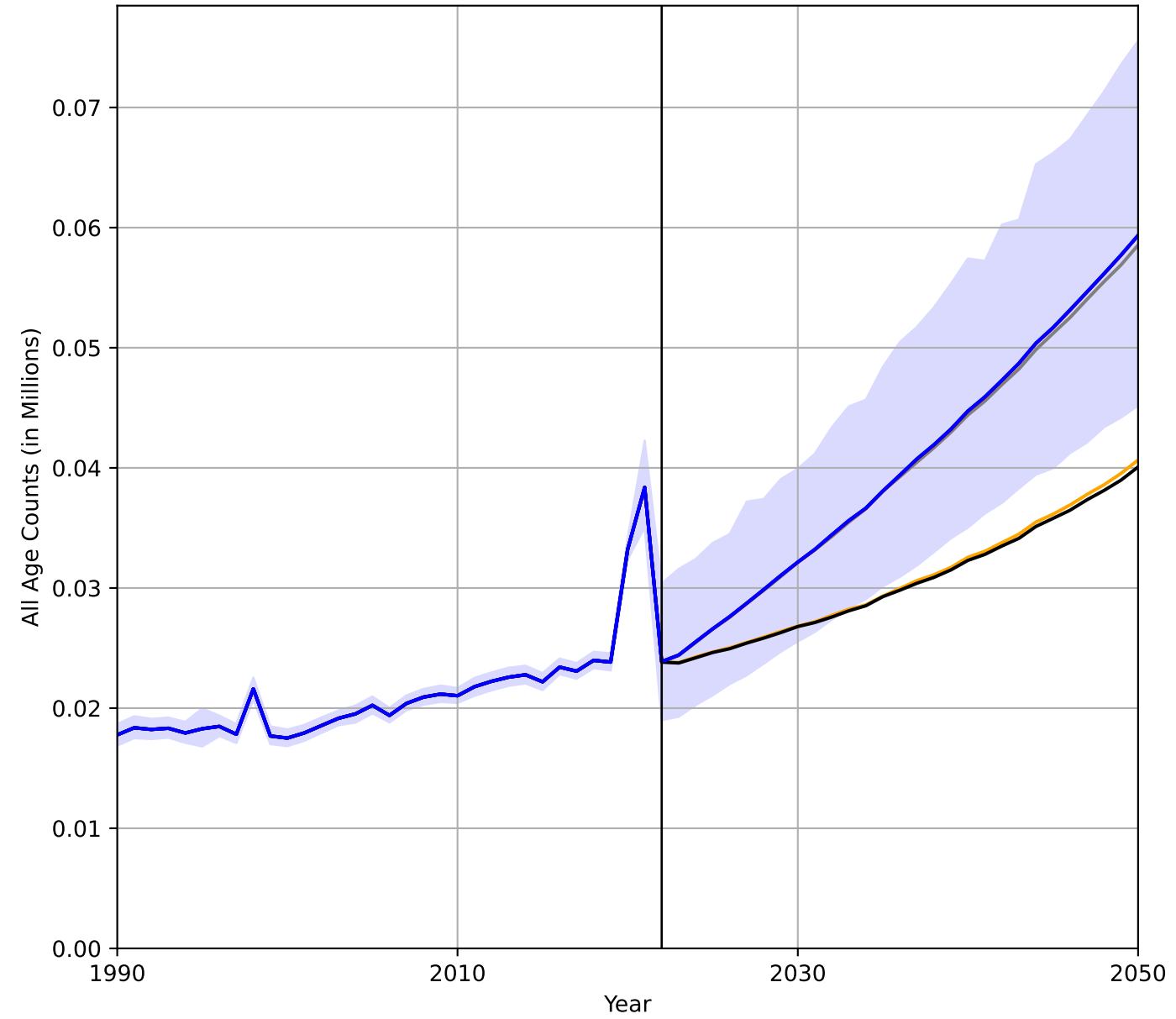
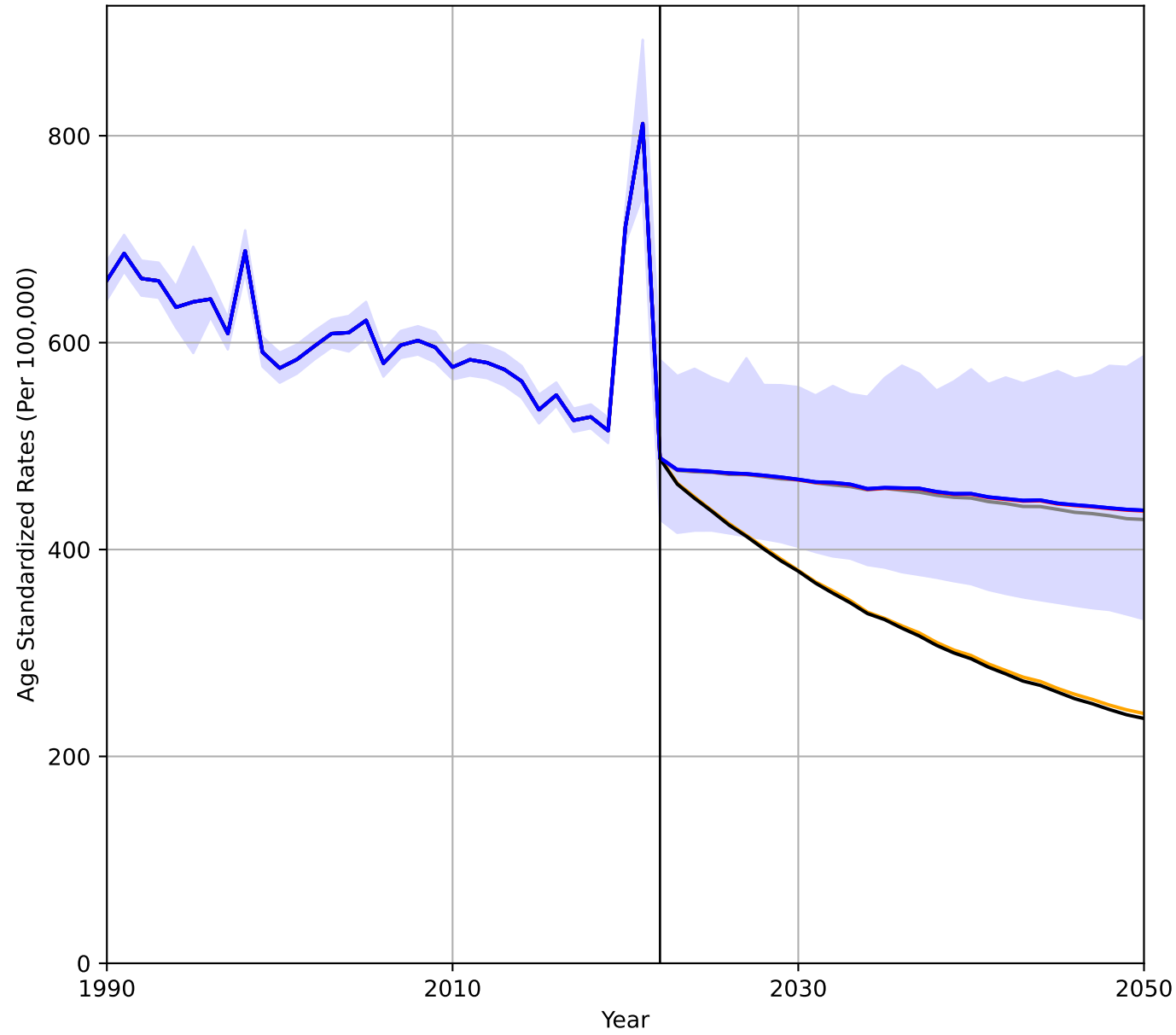
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# Nicaragua

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

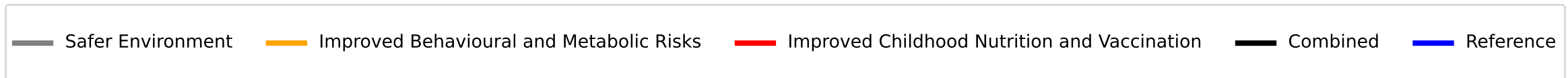
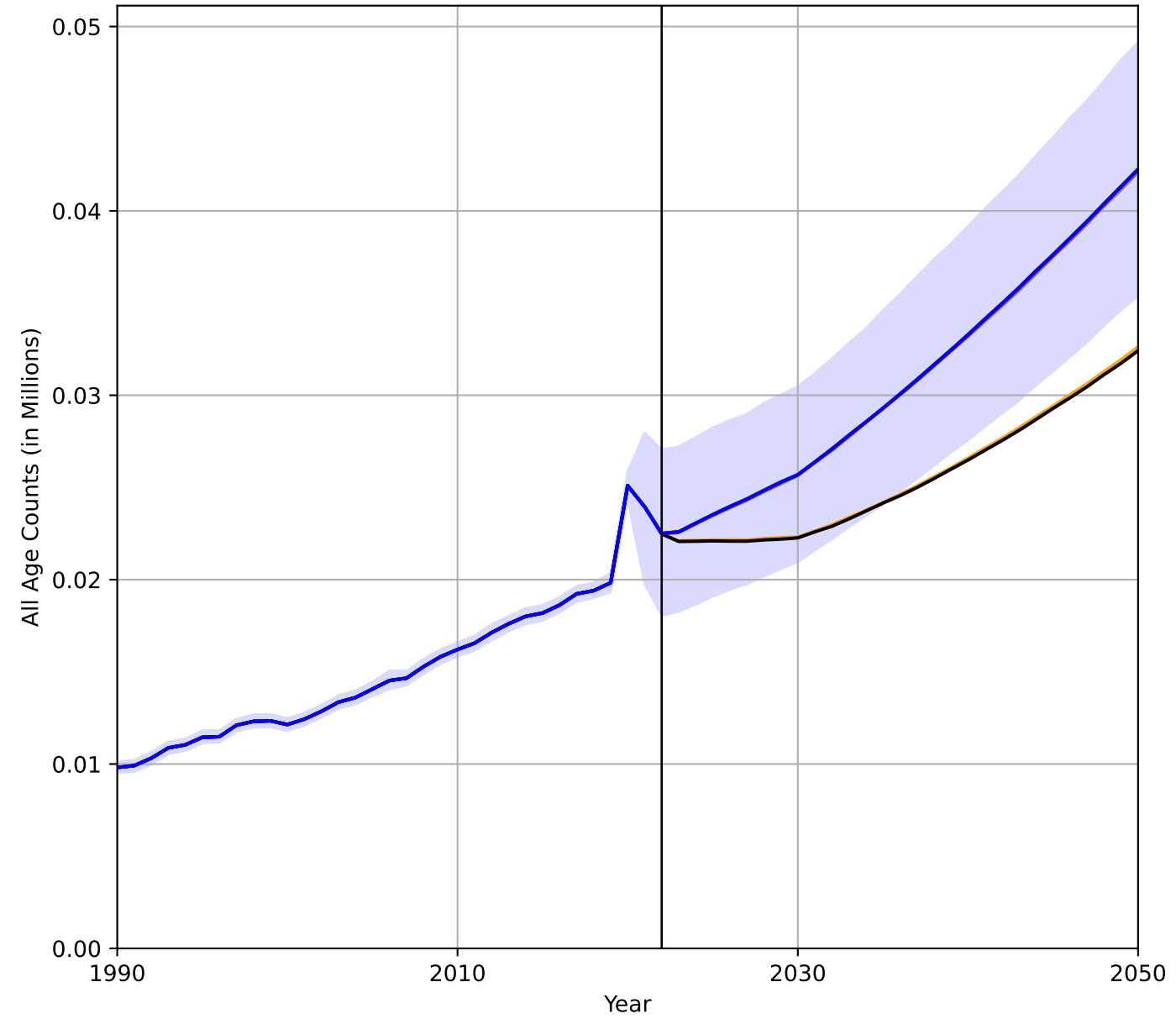
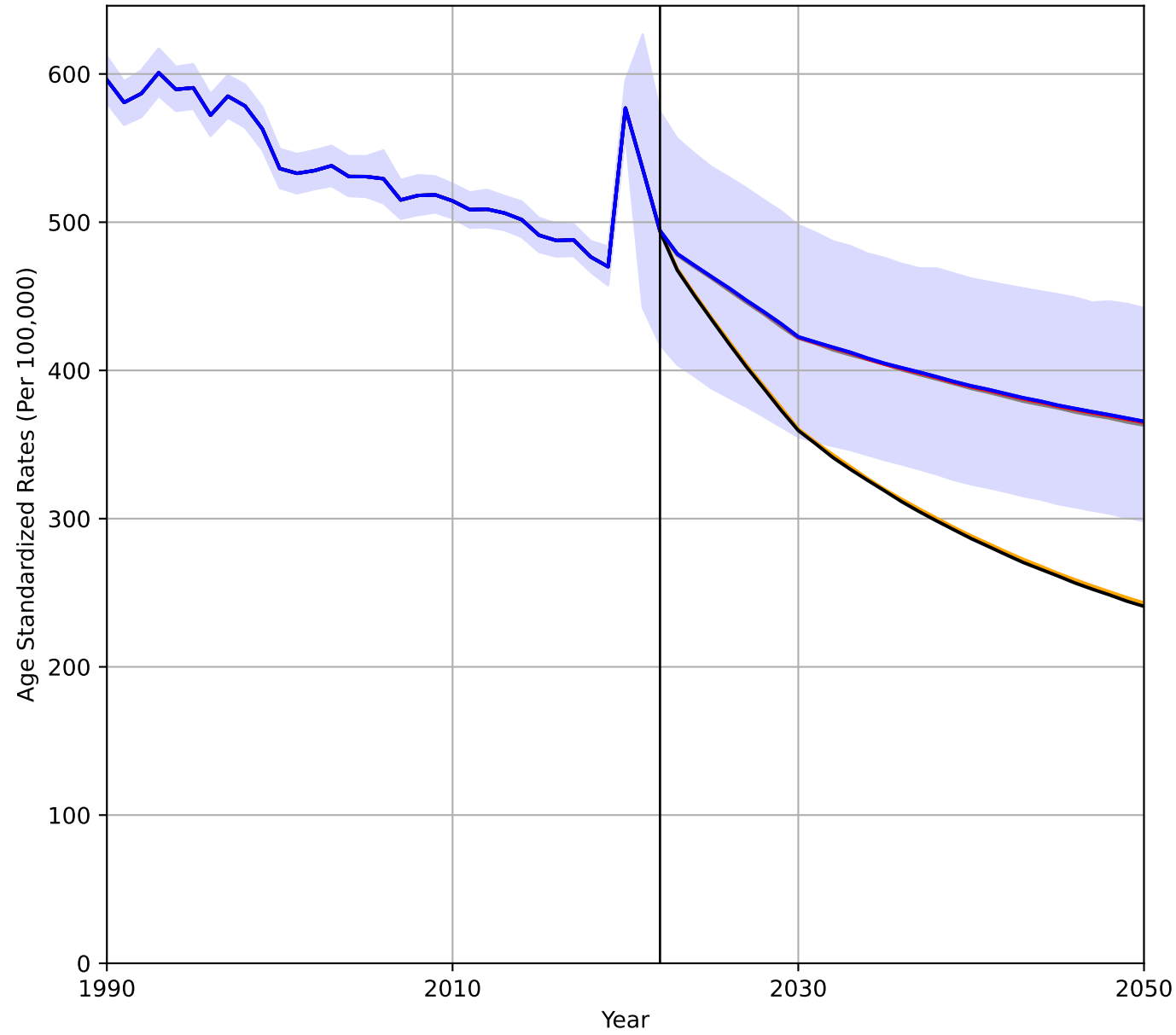
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# Panama

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

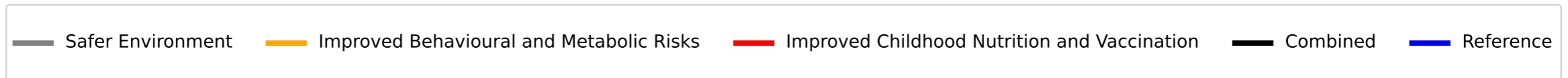
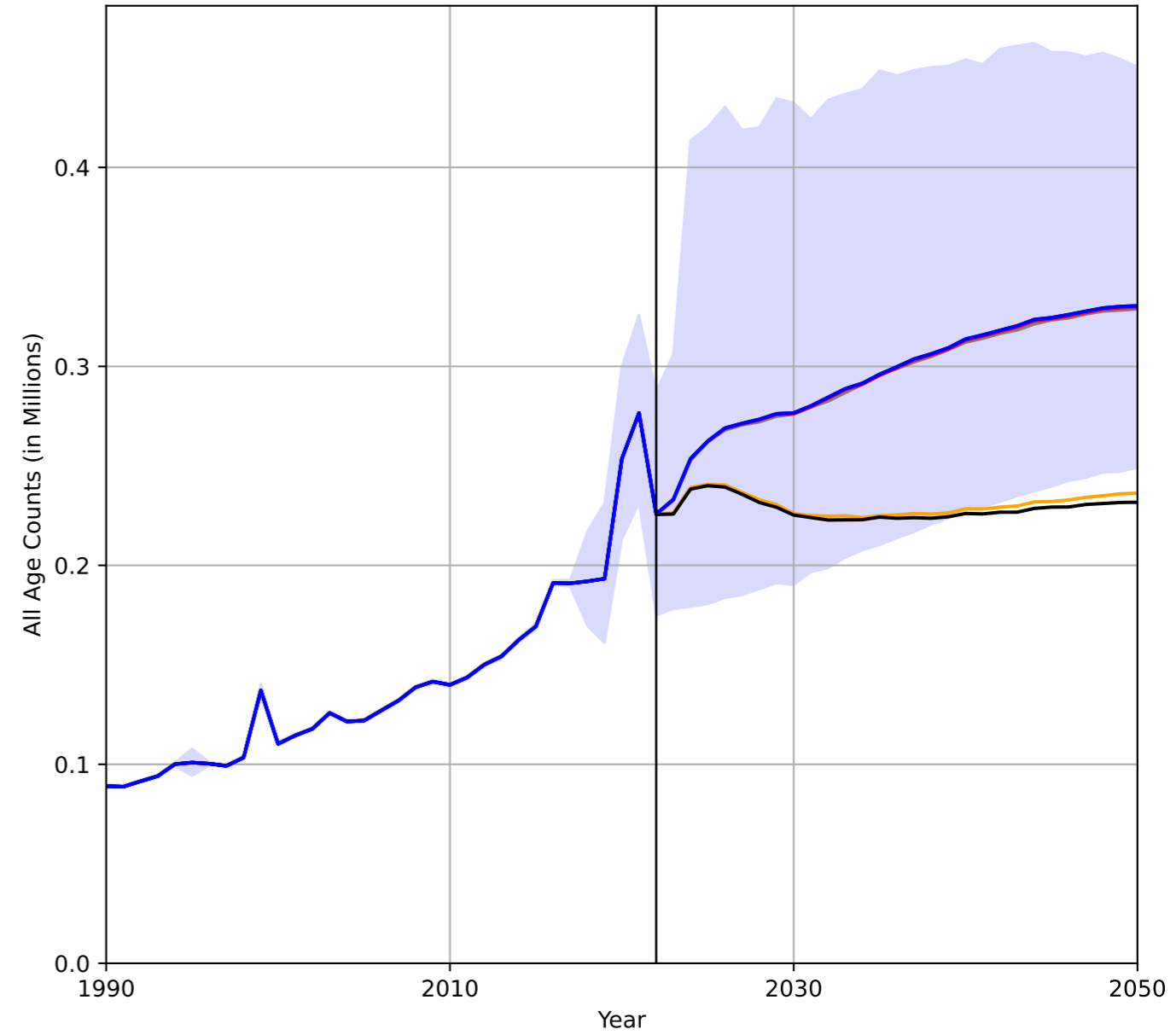
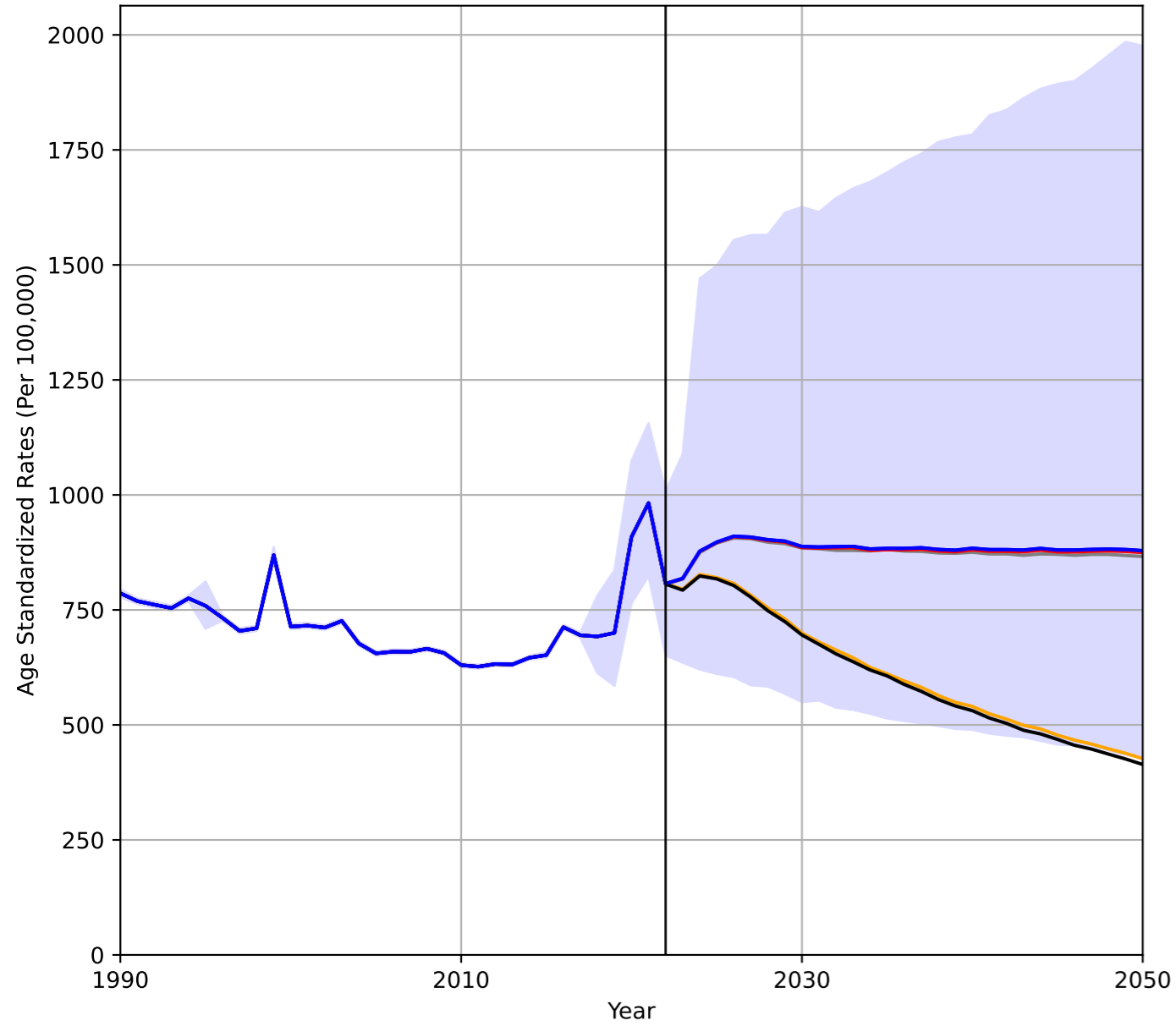
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# Venezuela

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

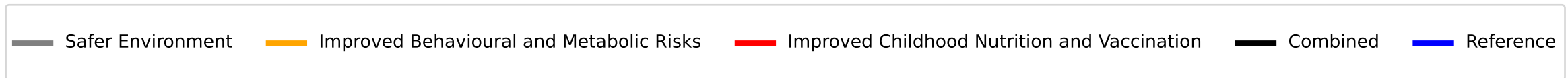
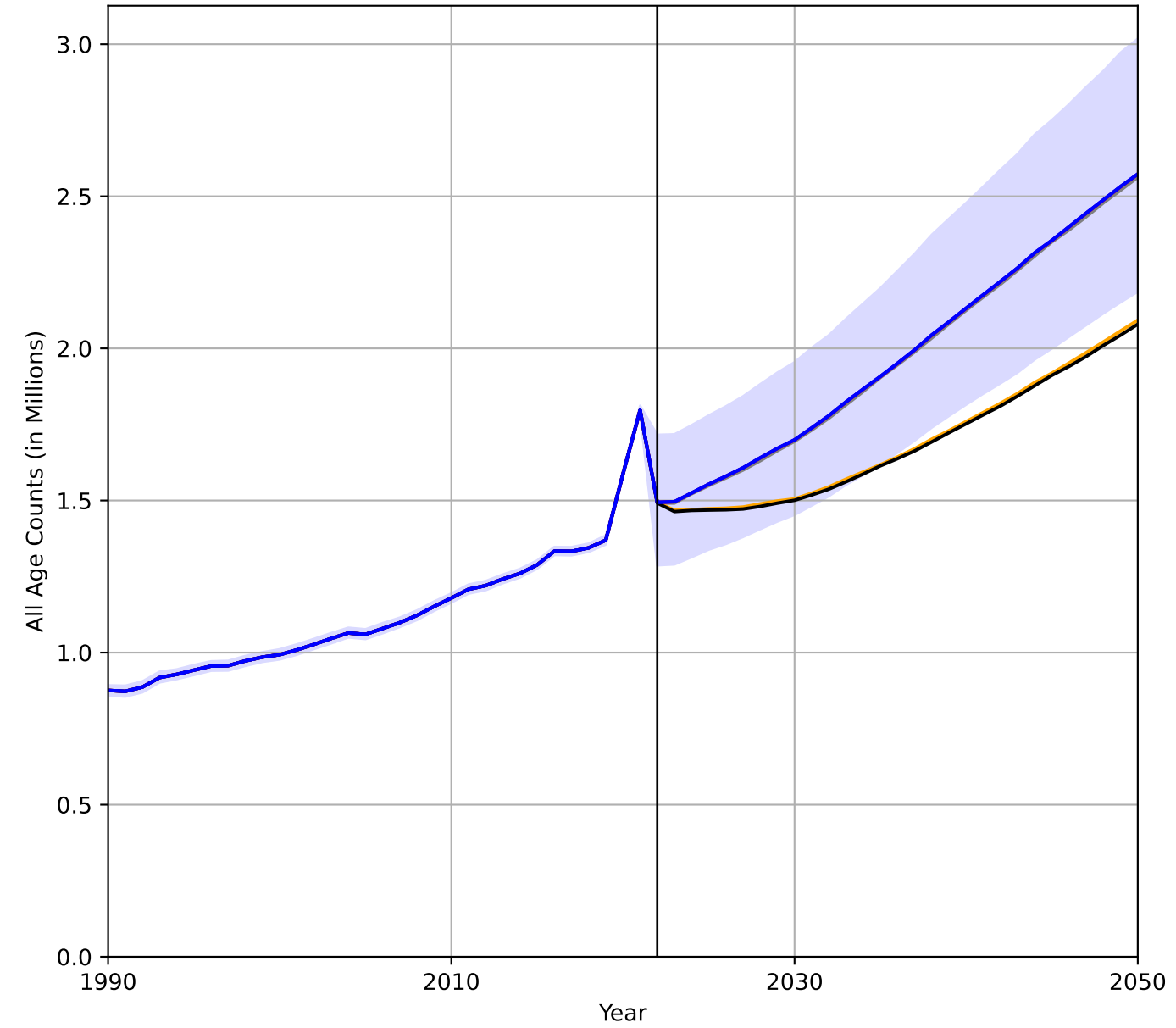
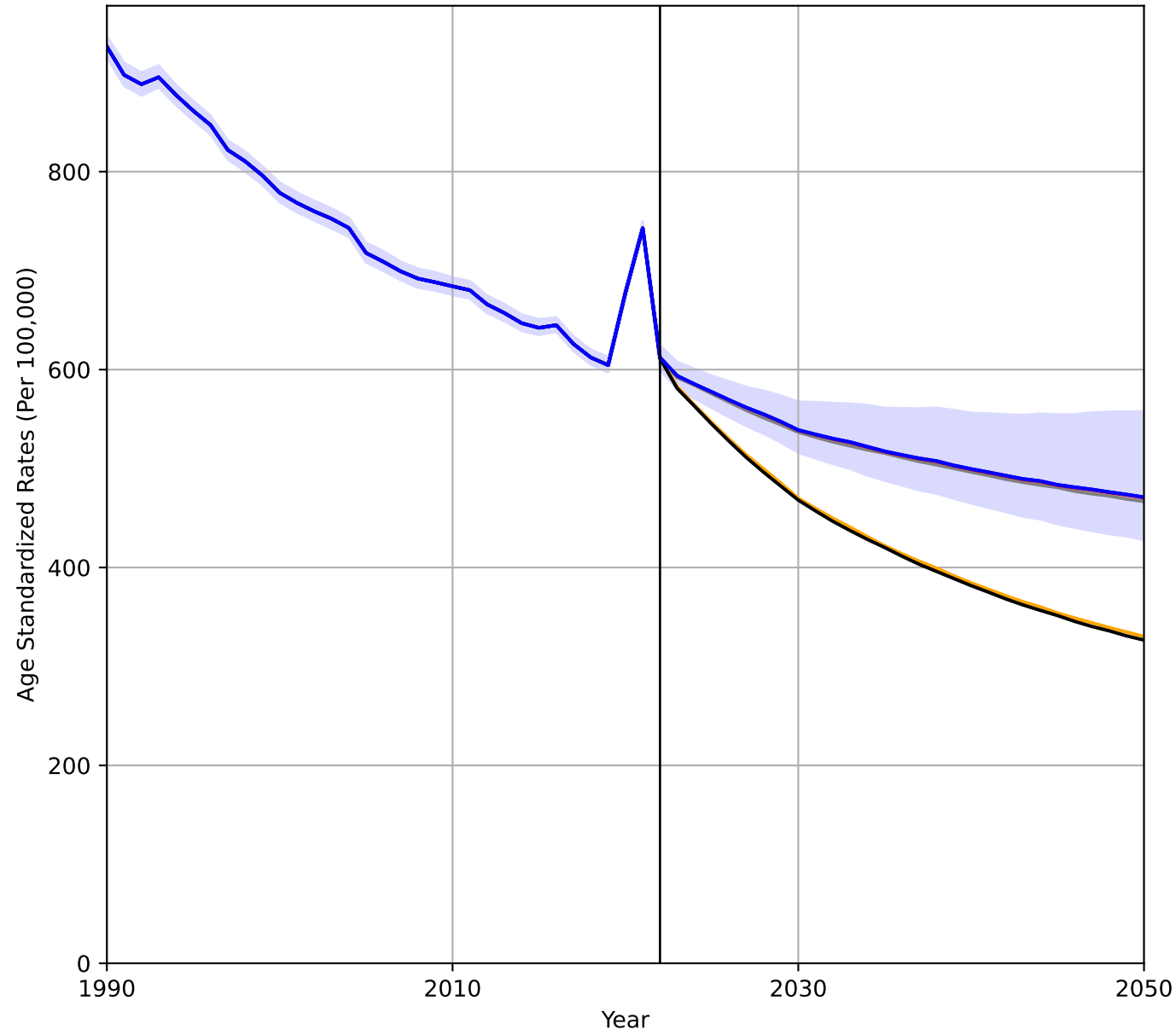
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# Brazil

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

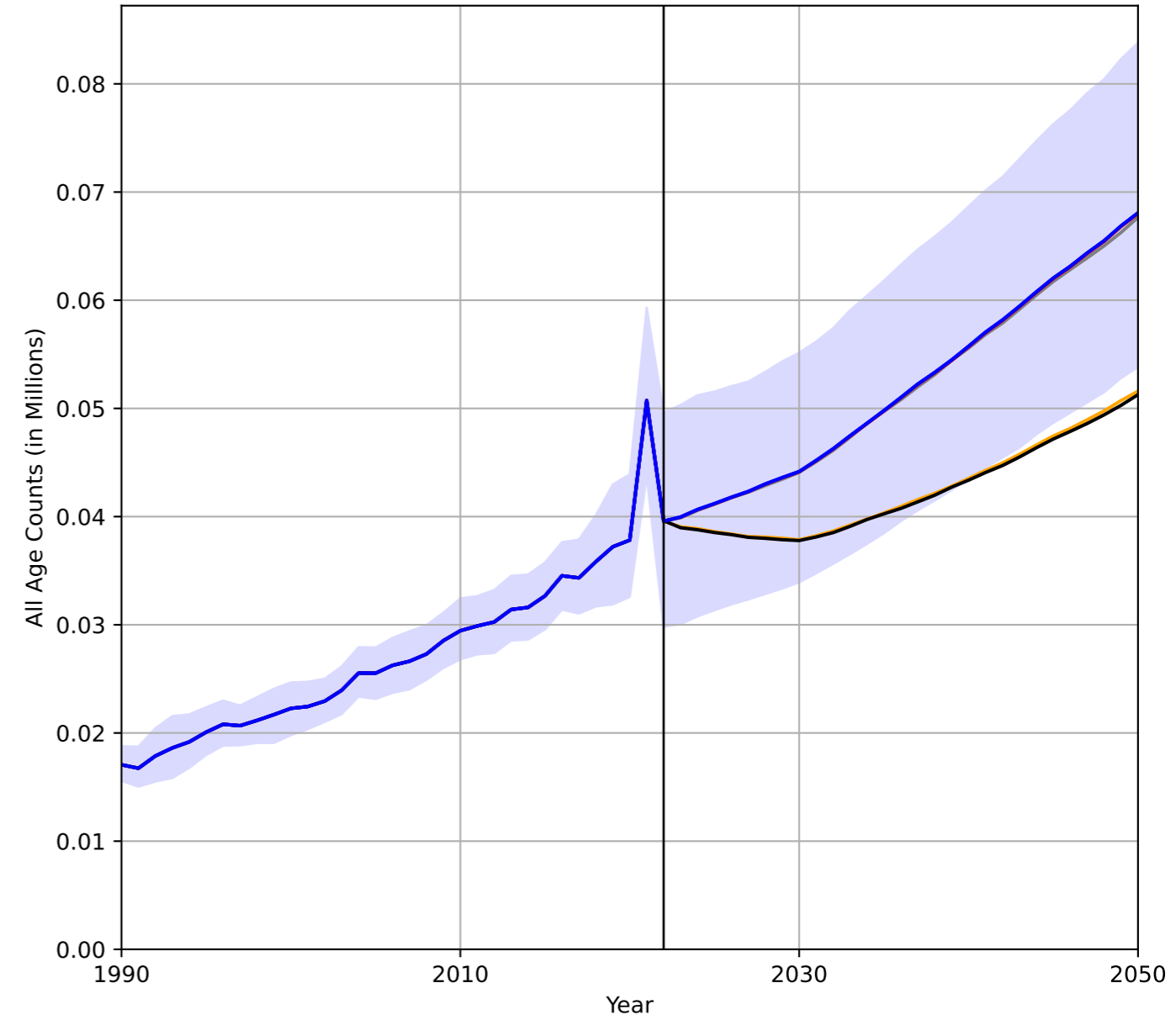
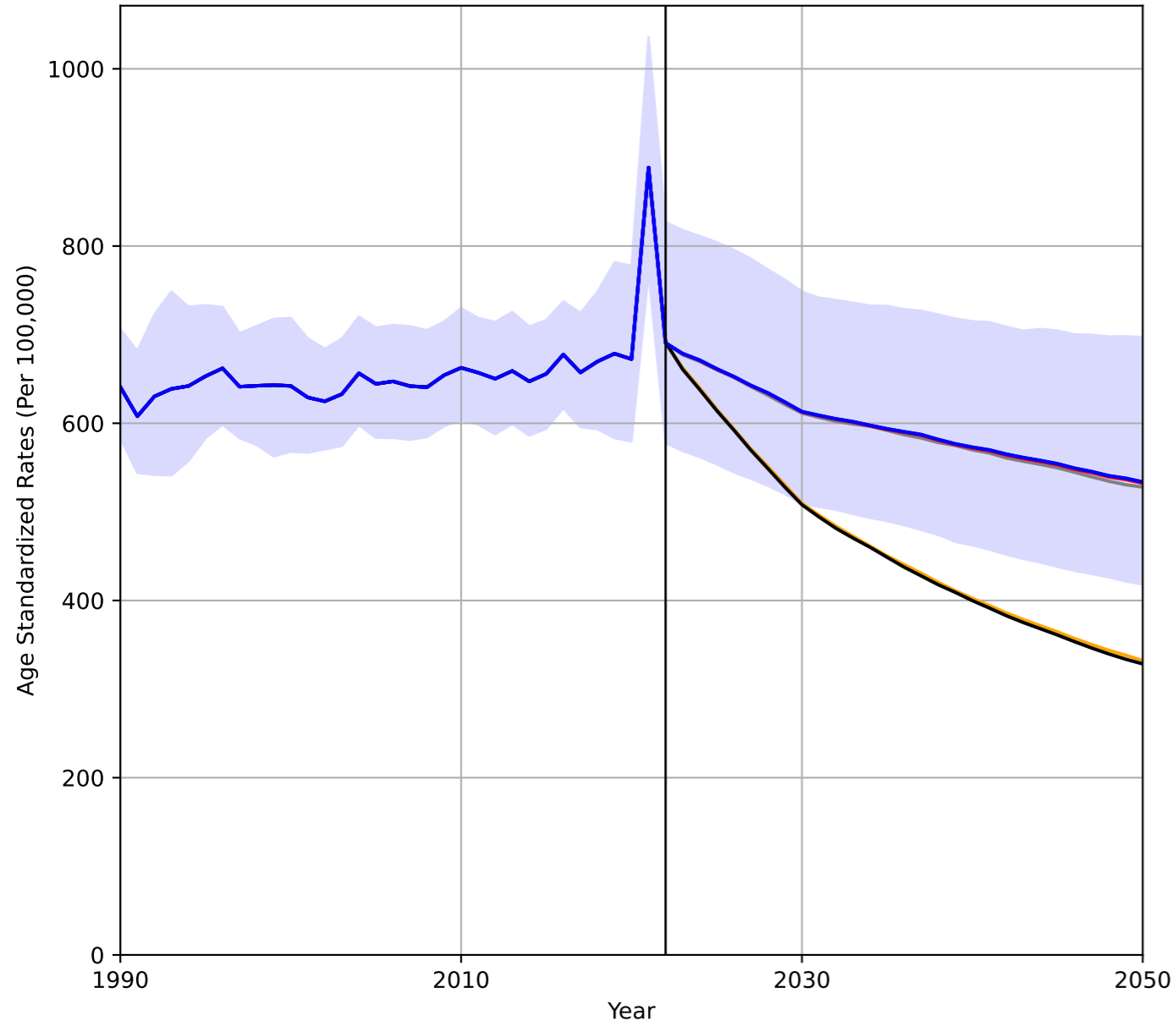
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# Paraguay

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

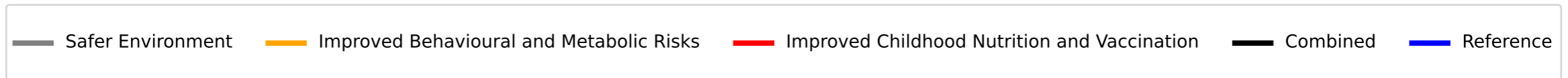
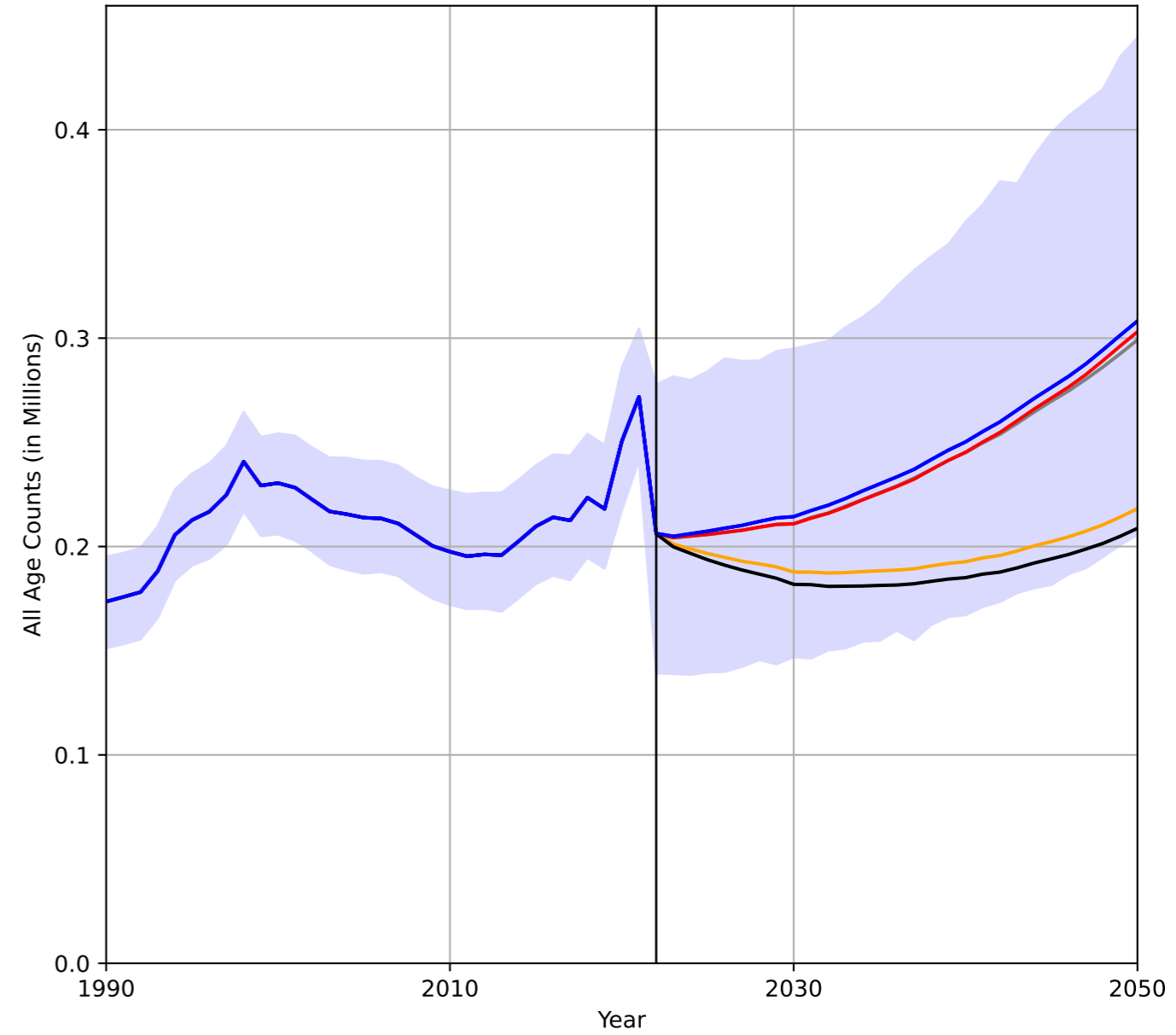
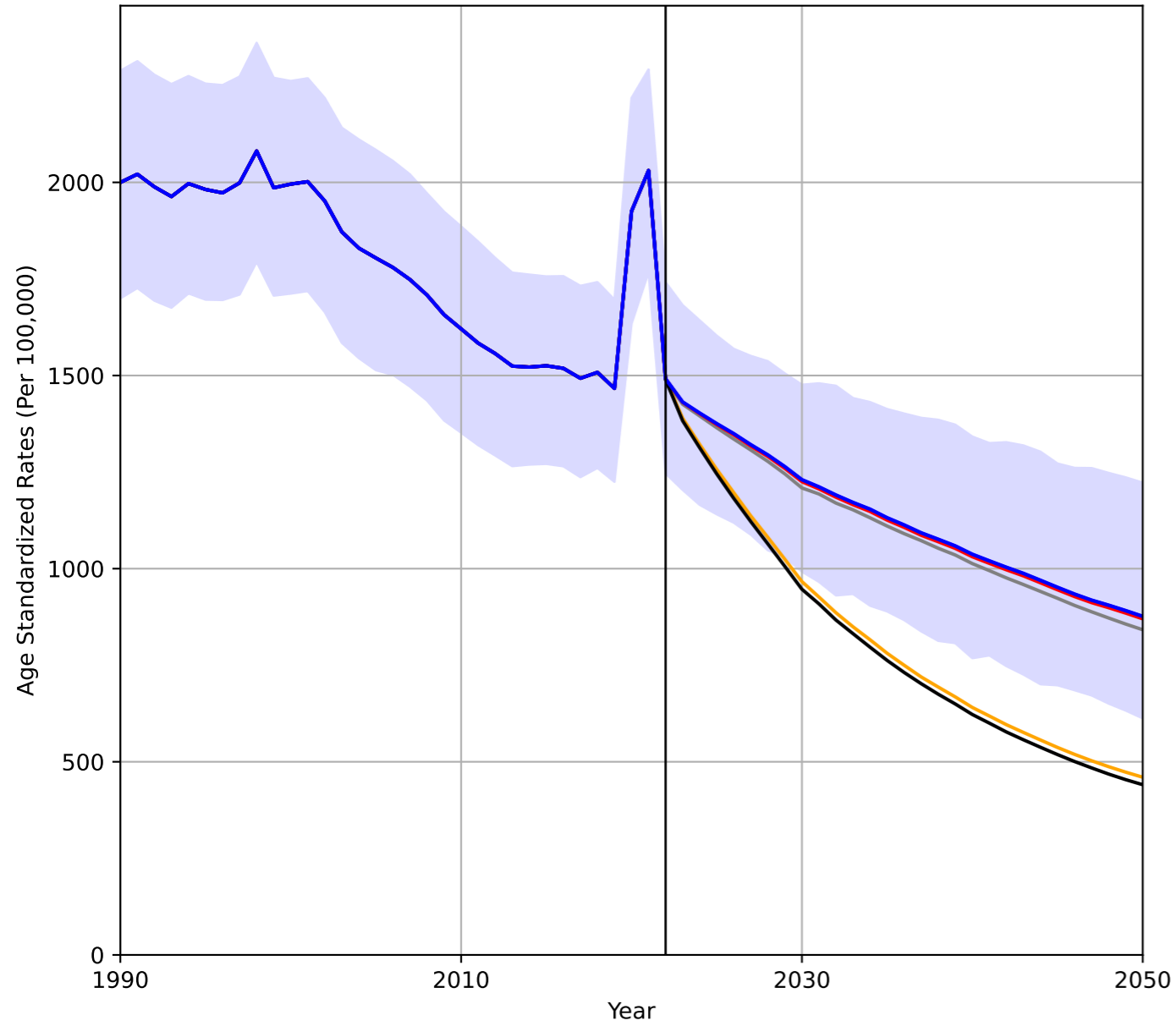
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# Afghanistan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

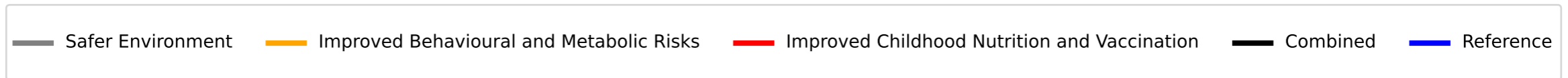
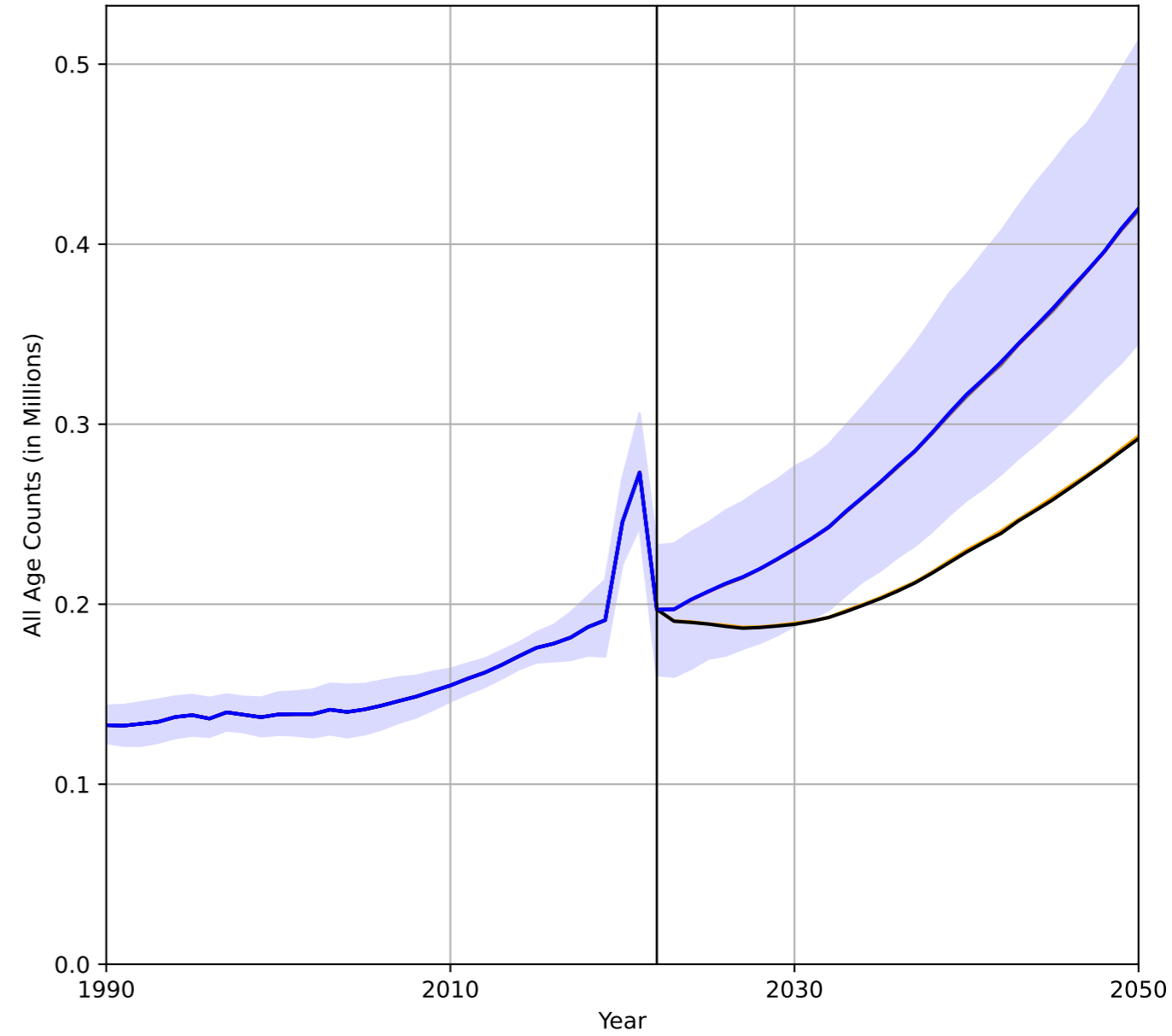
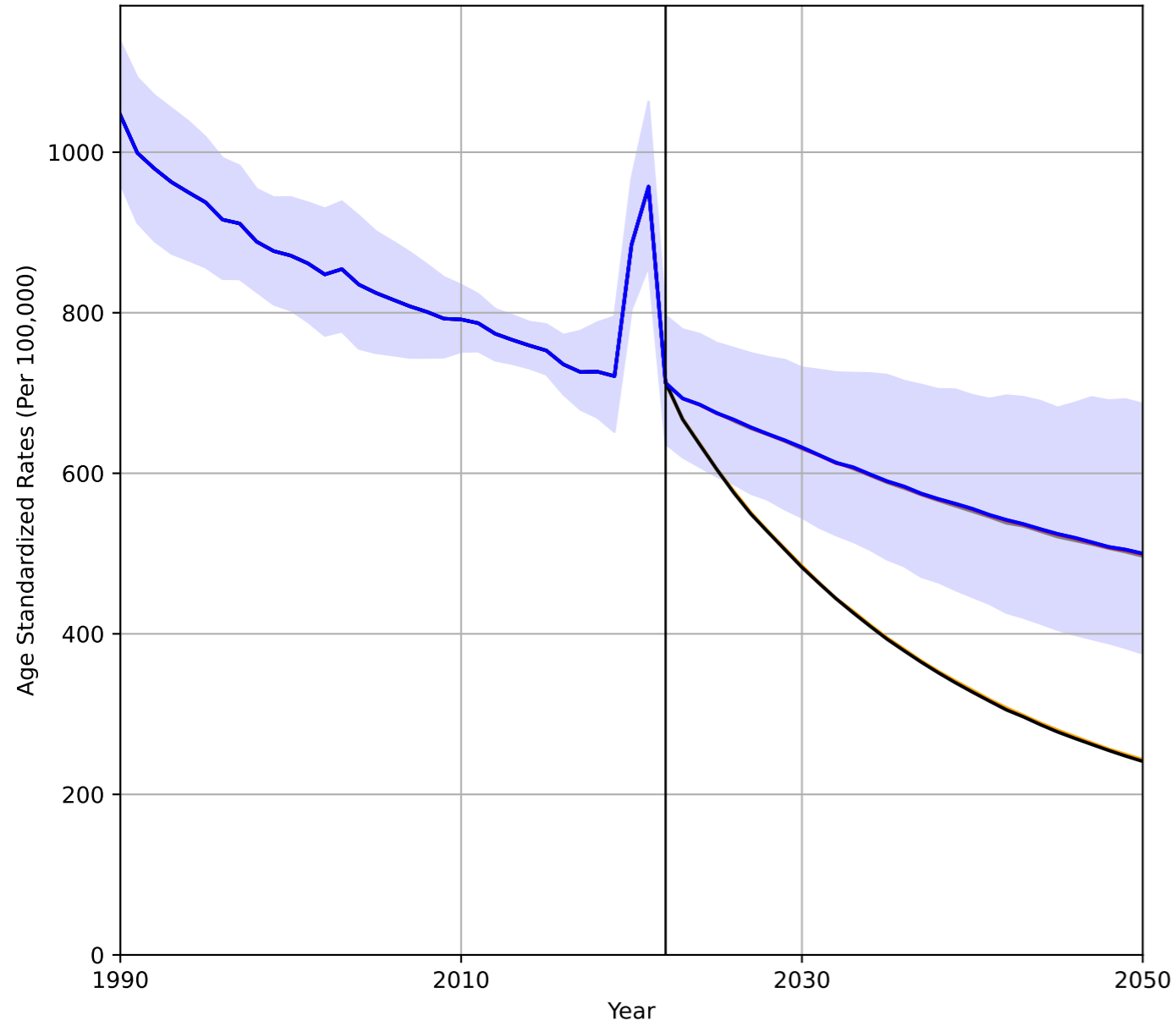
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# Algeria

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1743

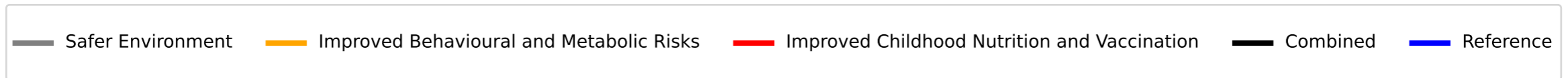
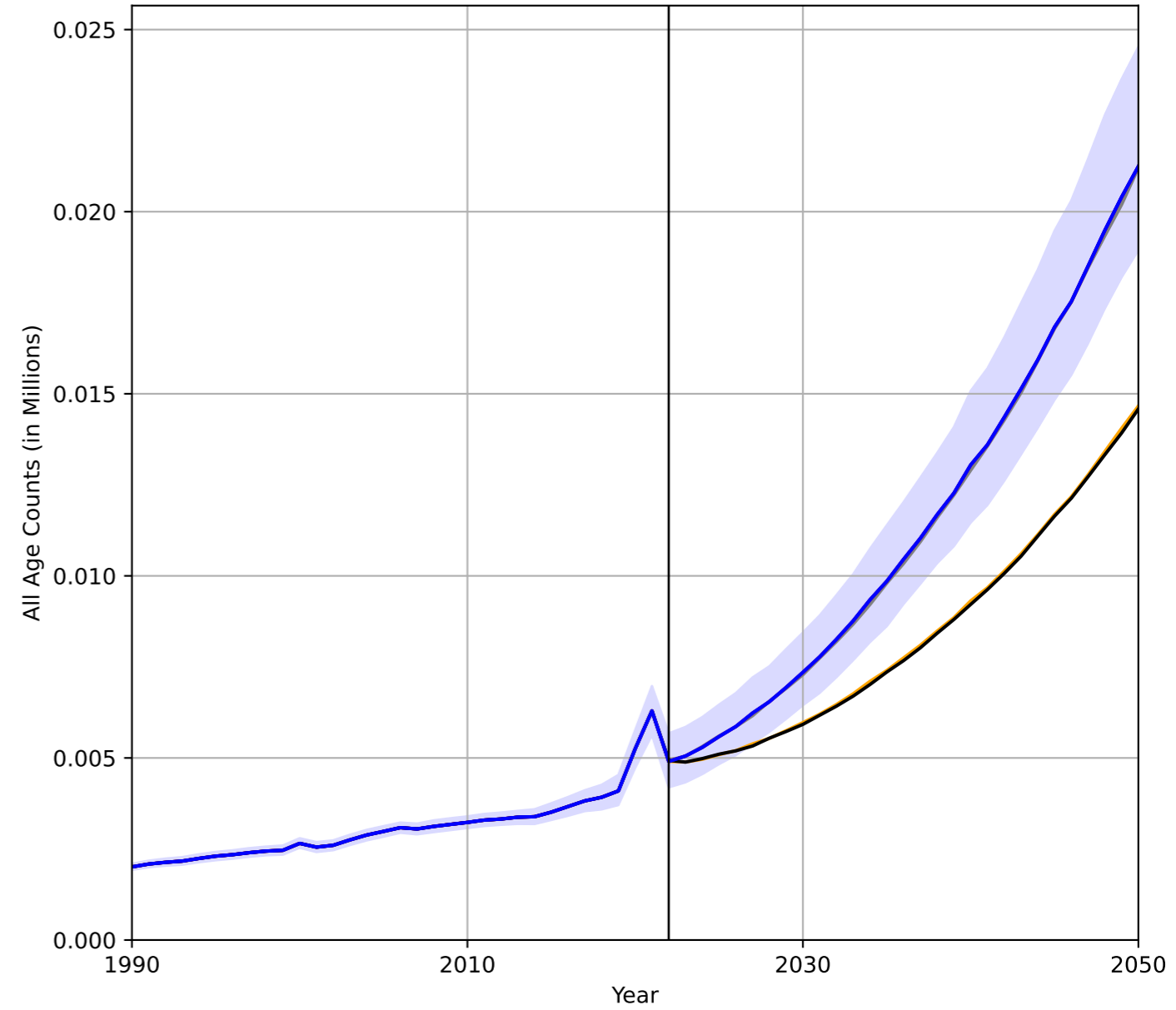
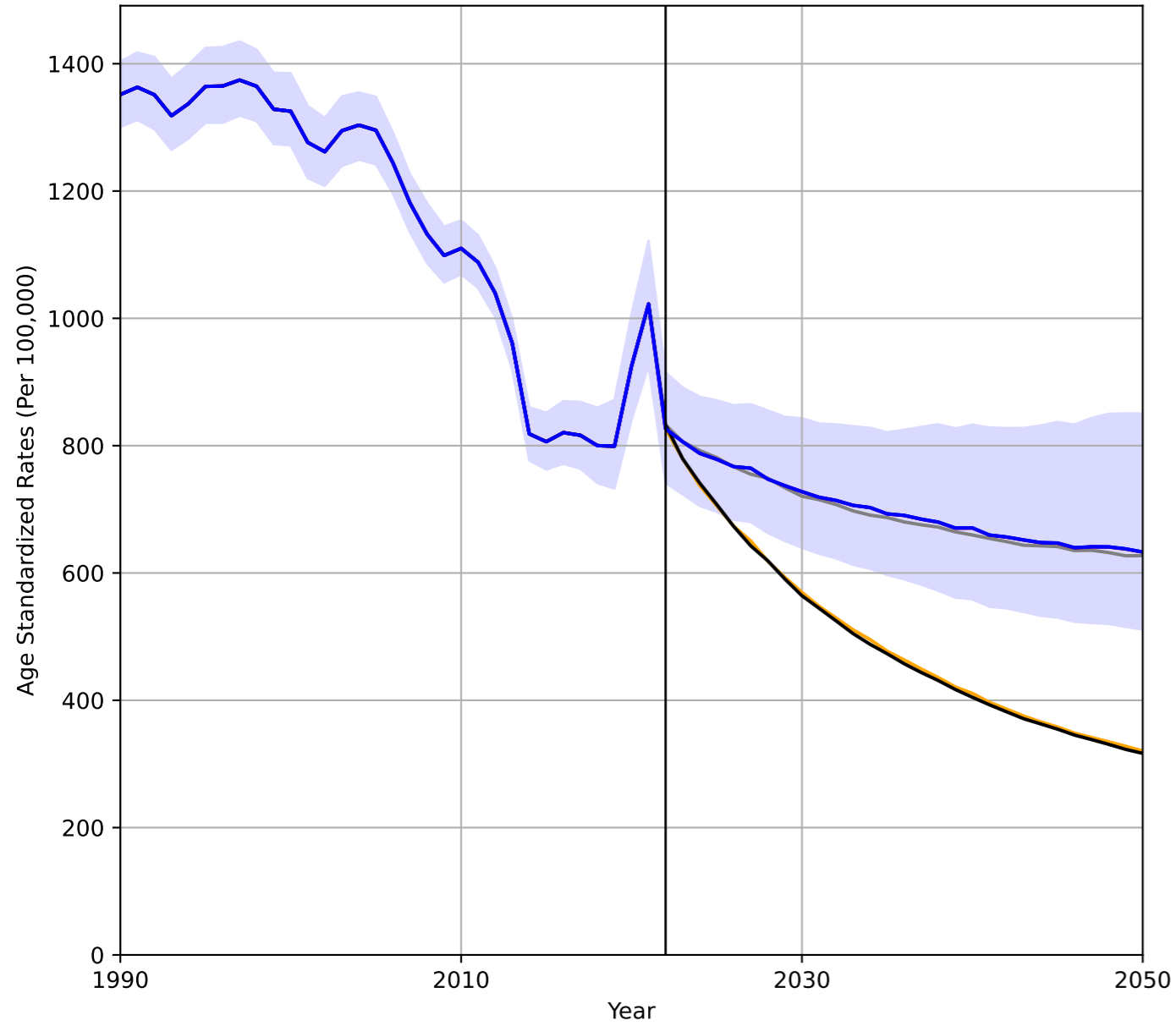




# Bahrain

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

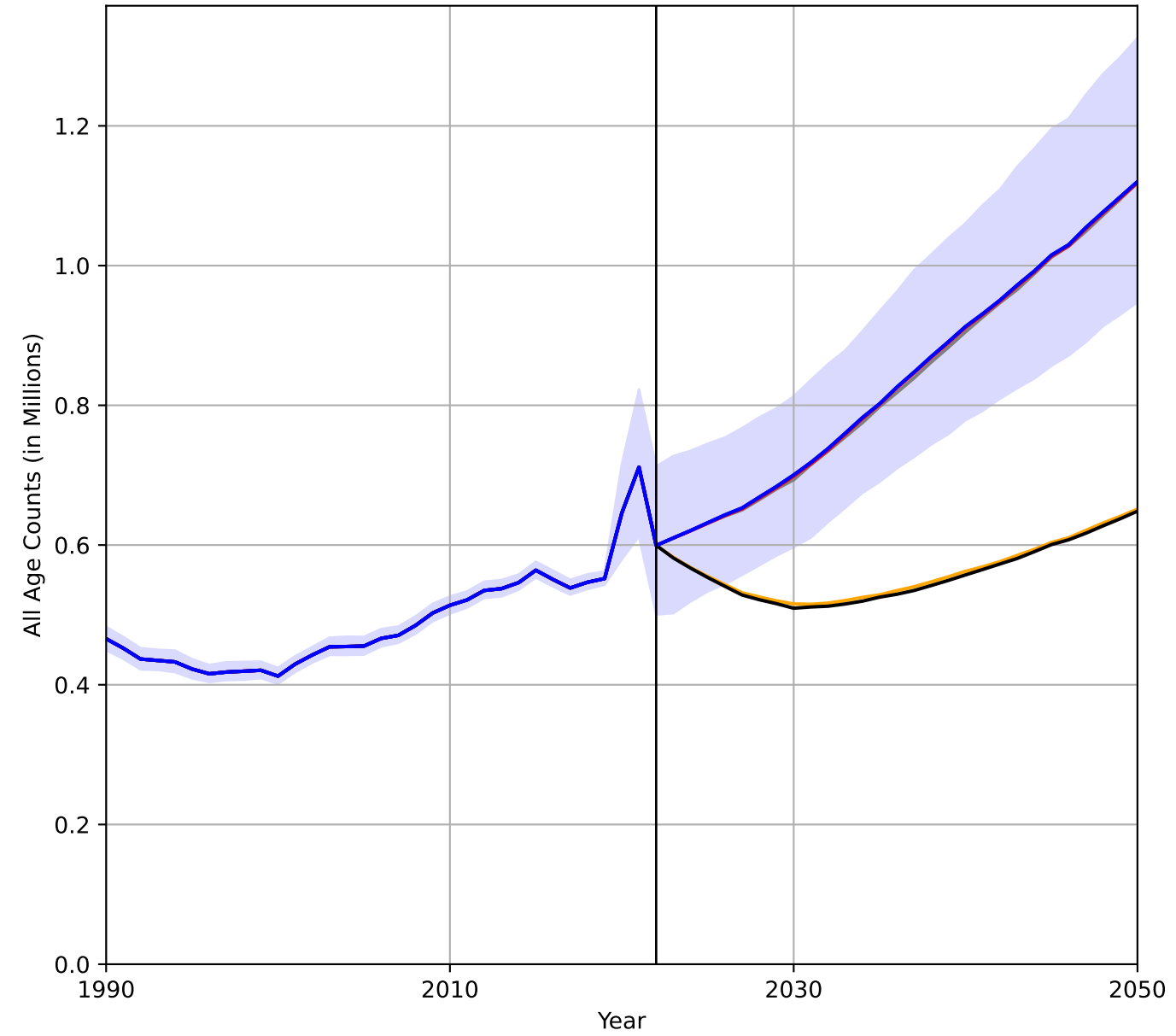
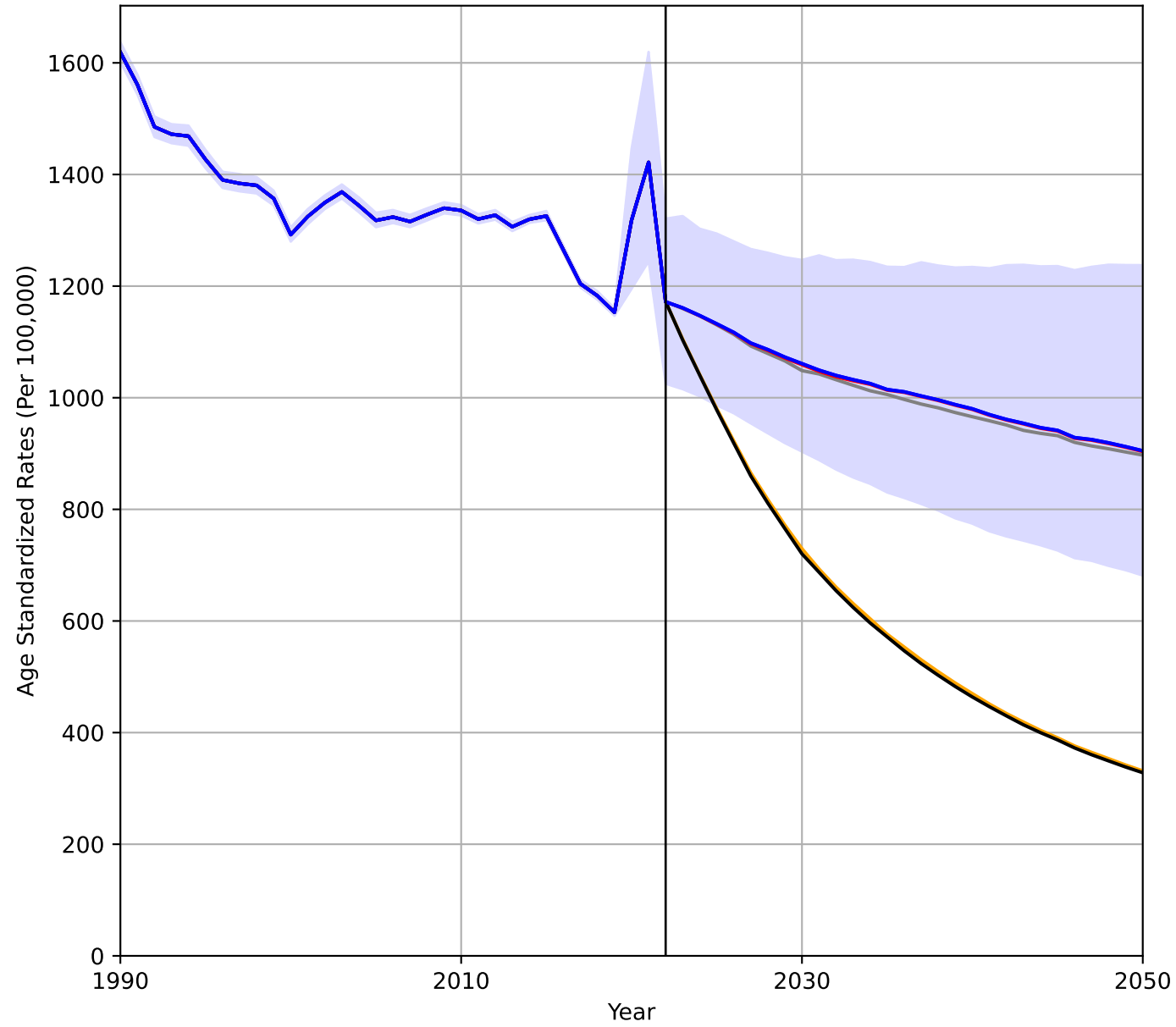
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# Egypt

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

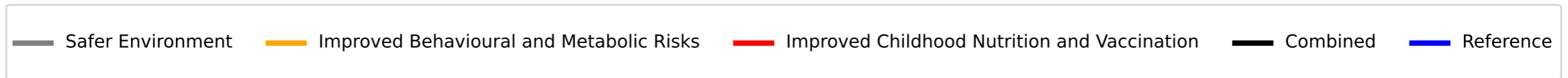
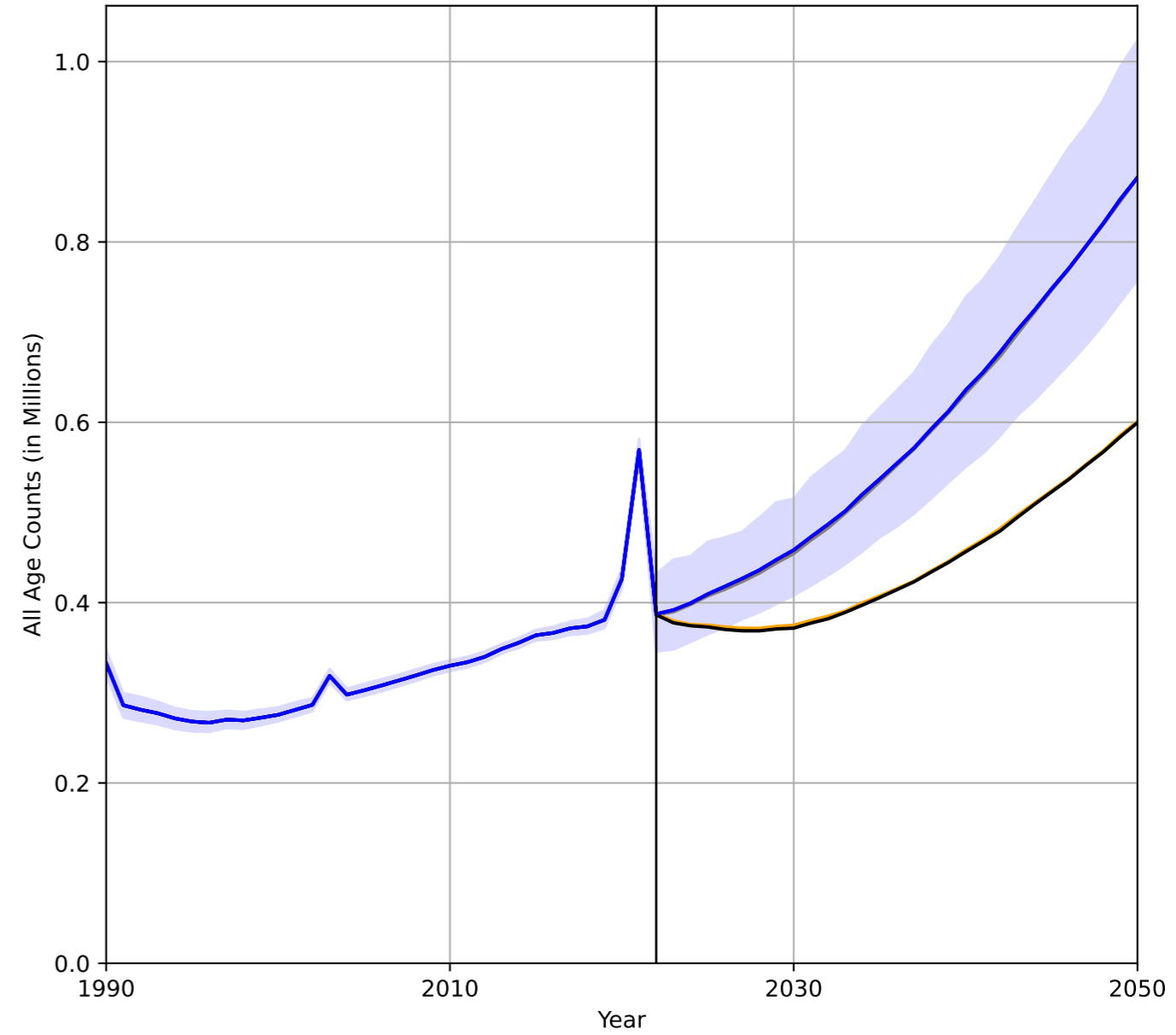
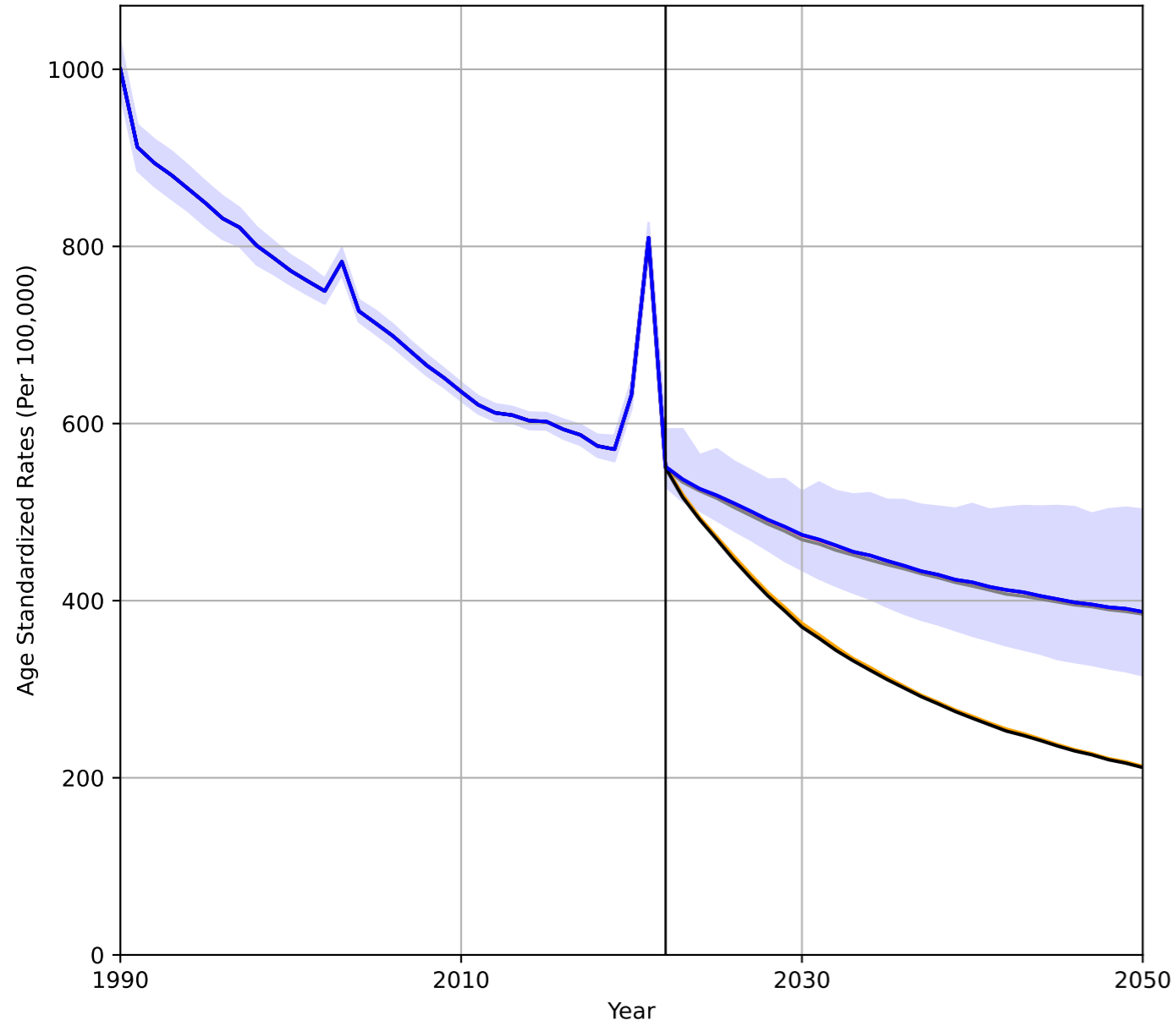
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# Iran

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

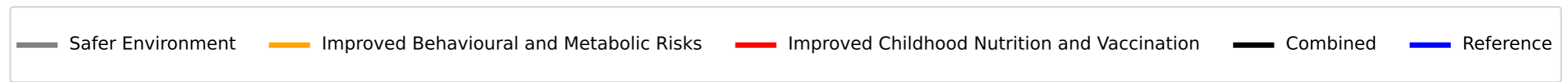
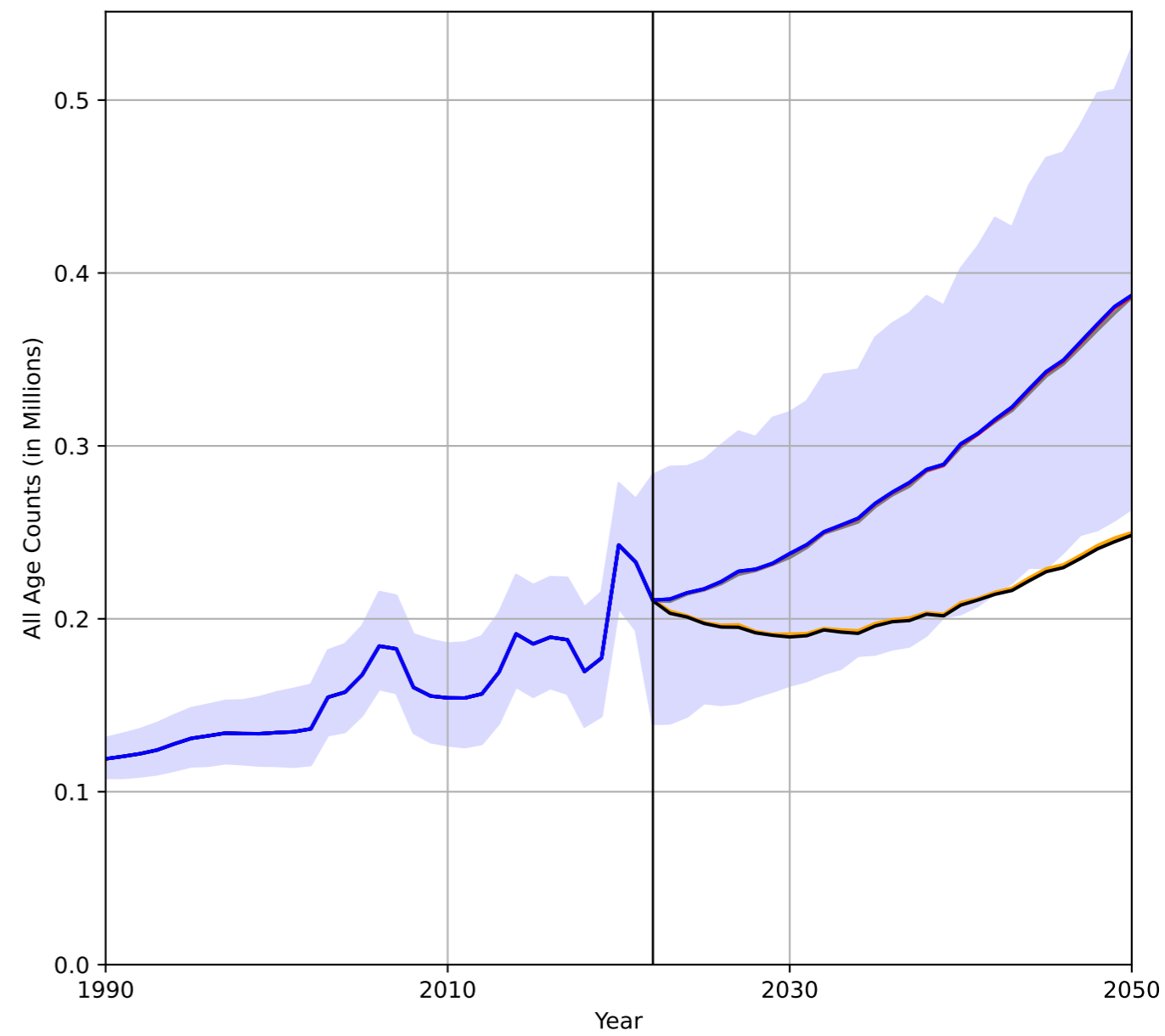
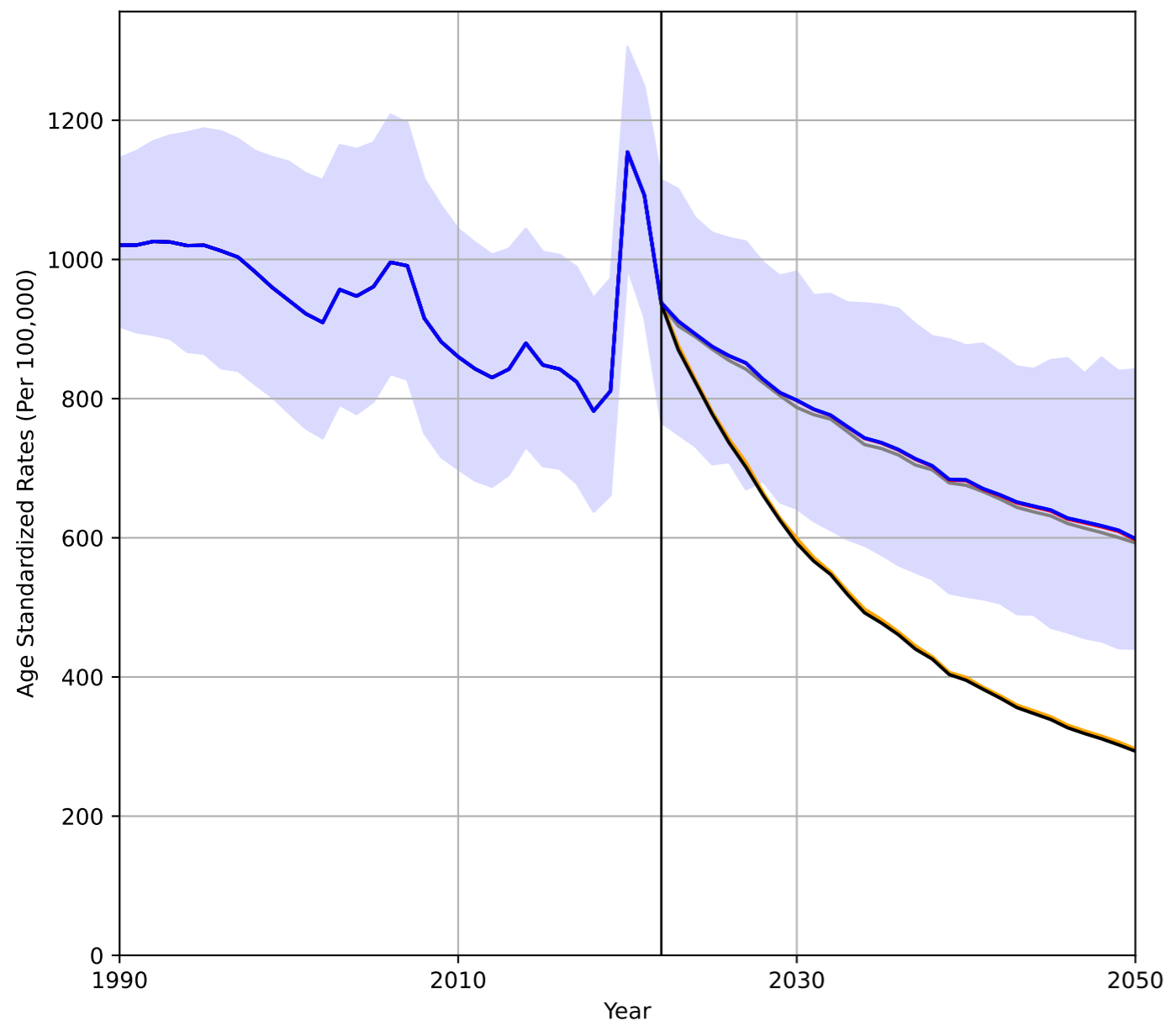
1746



# Iraq

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

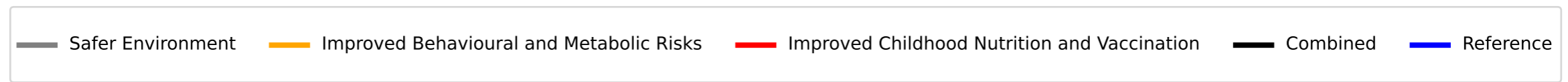
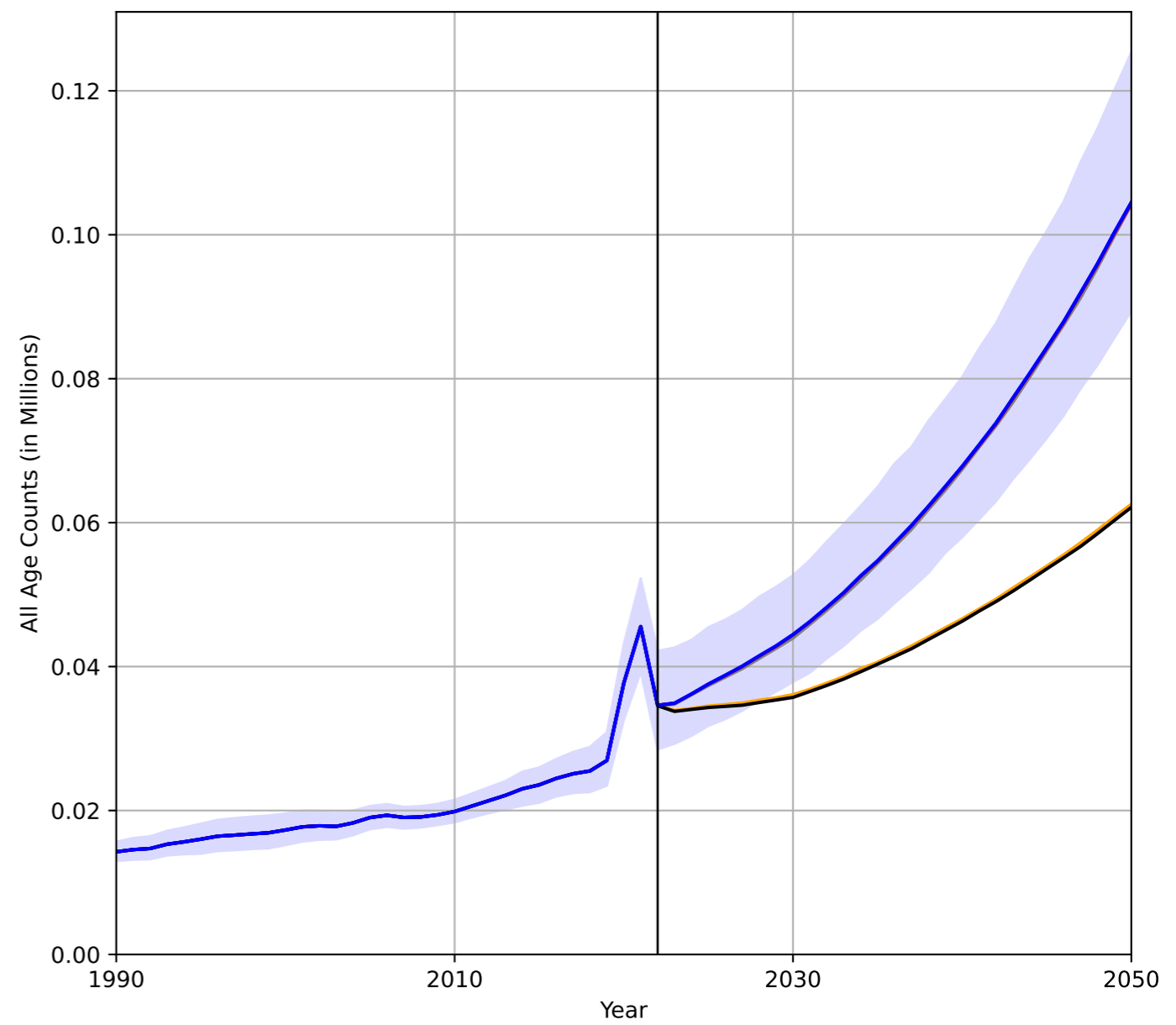
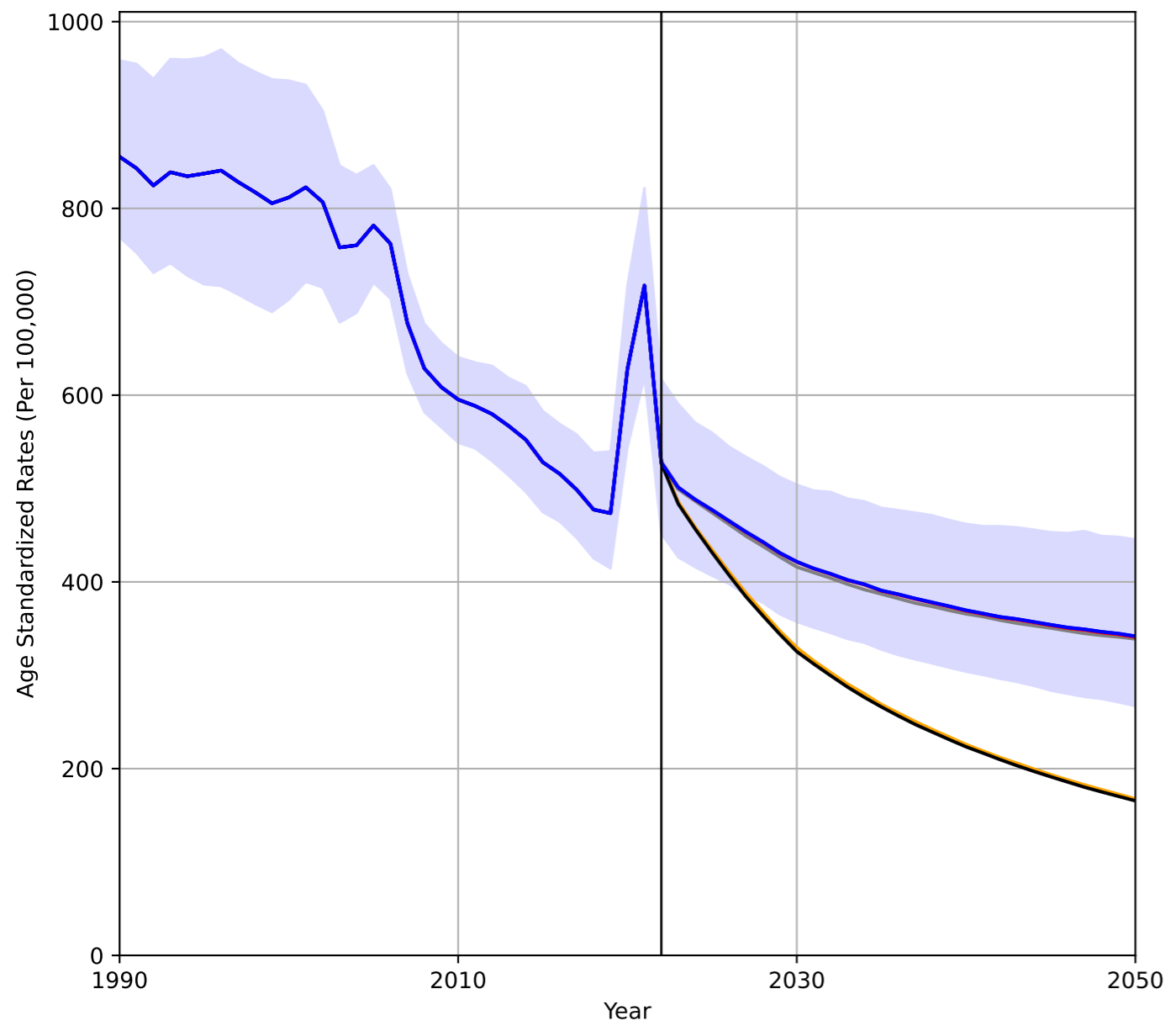
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# Jordan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

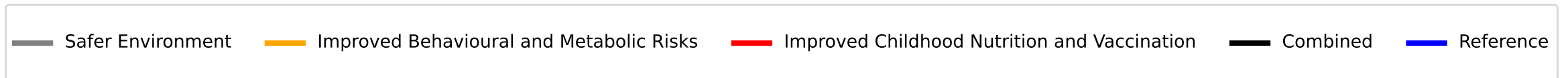
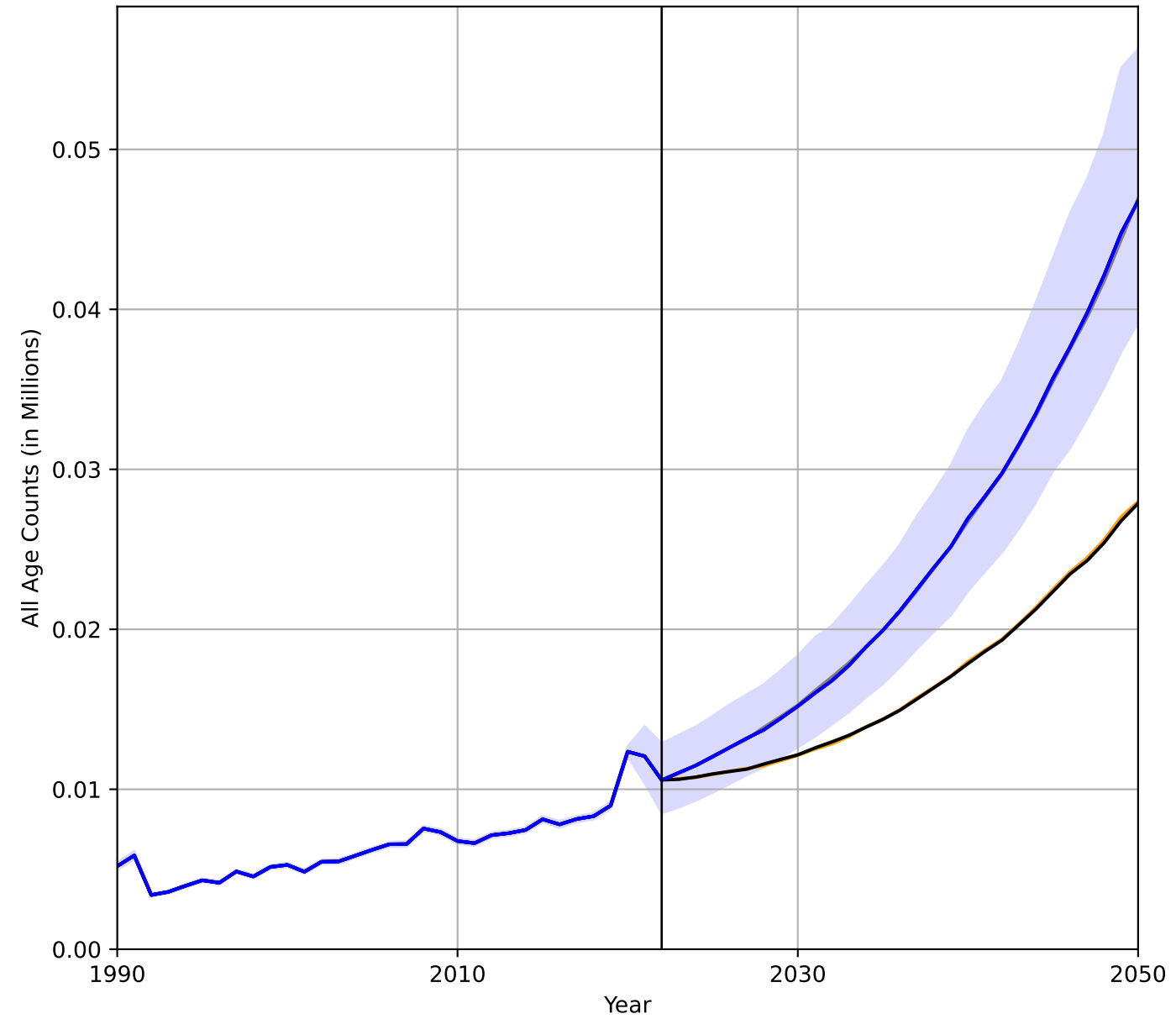
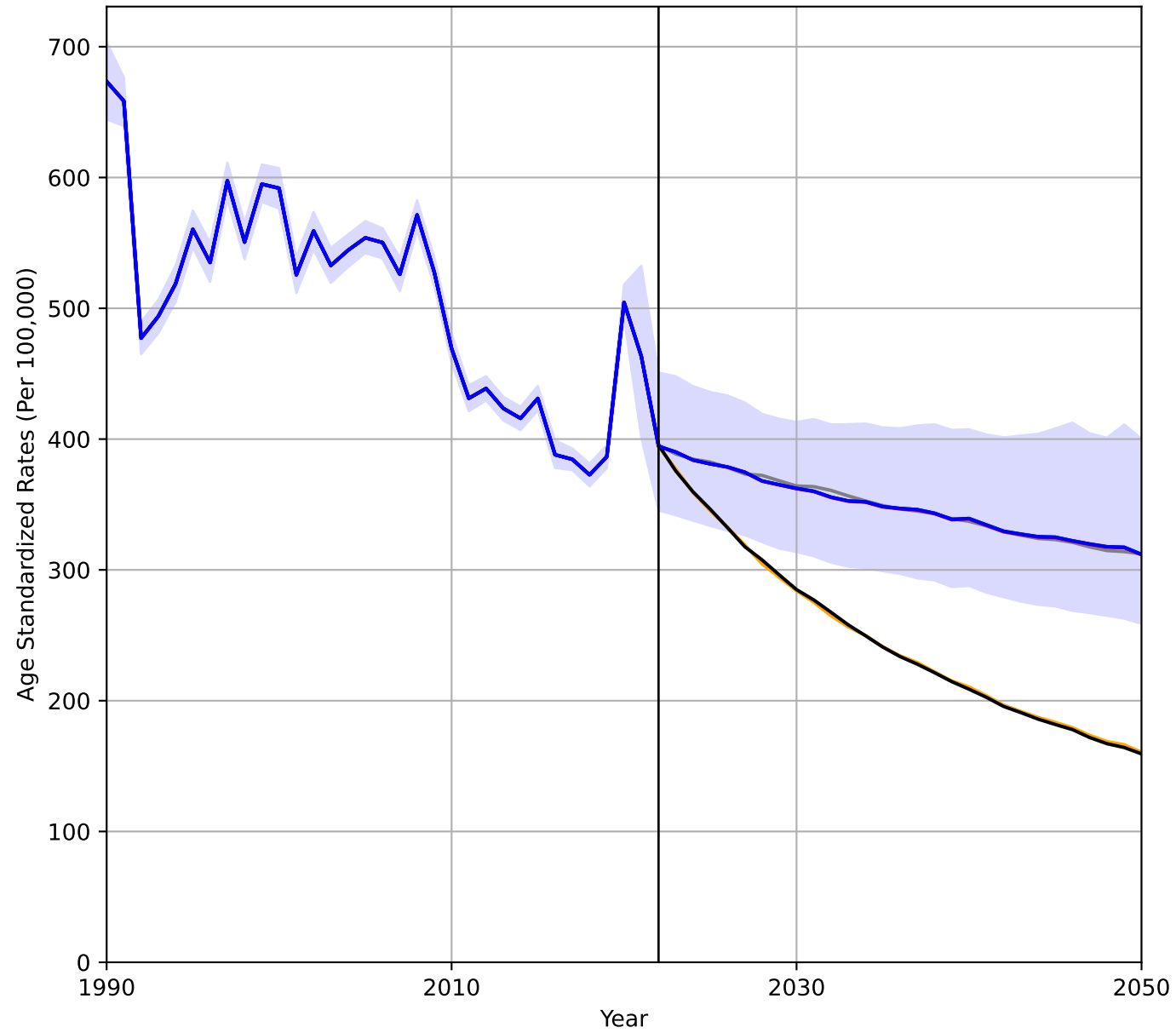
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# Kuwait

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

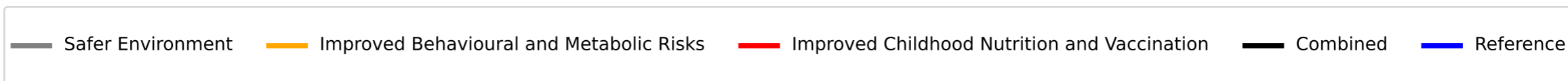
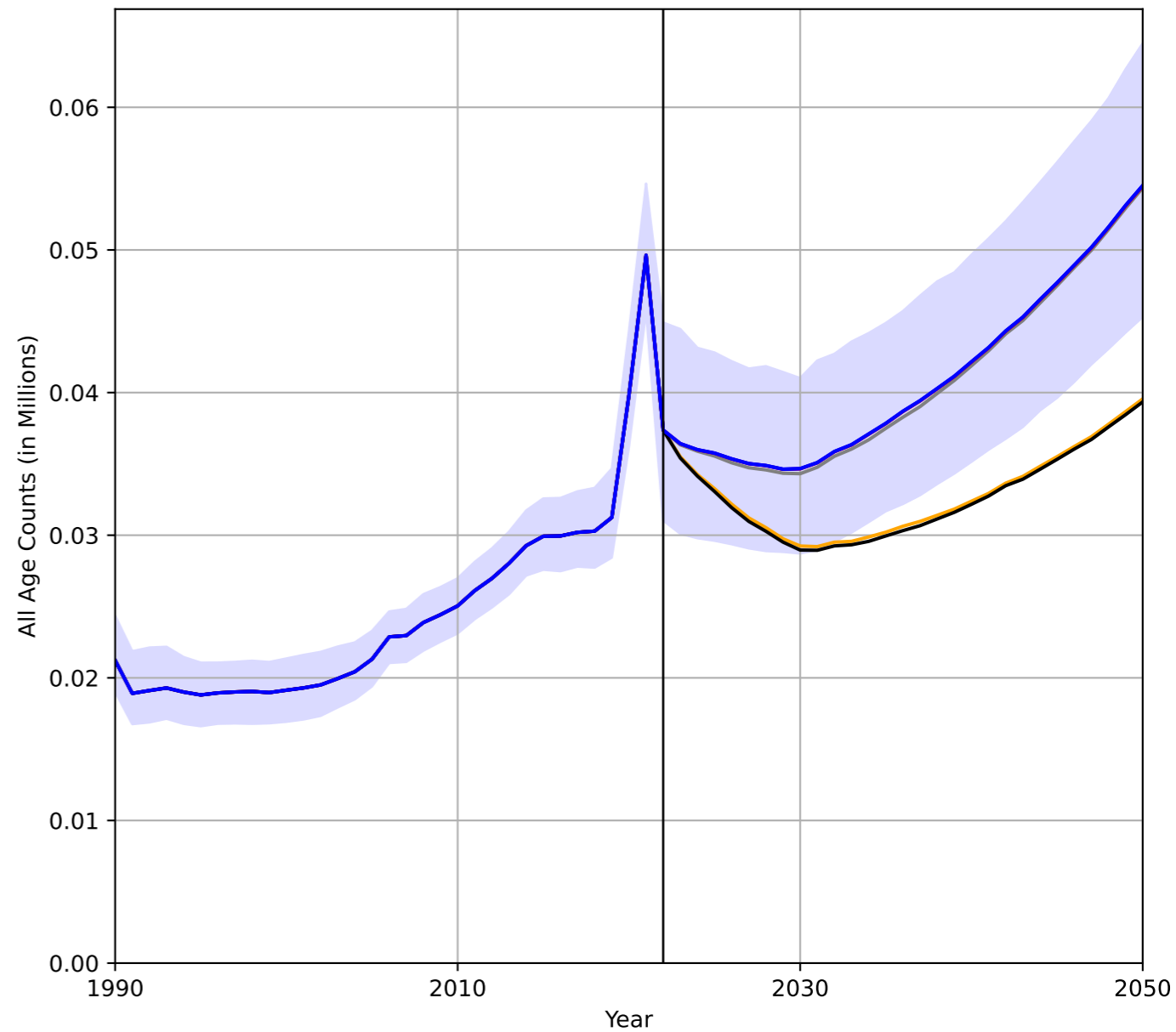
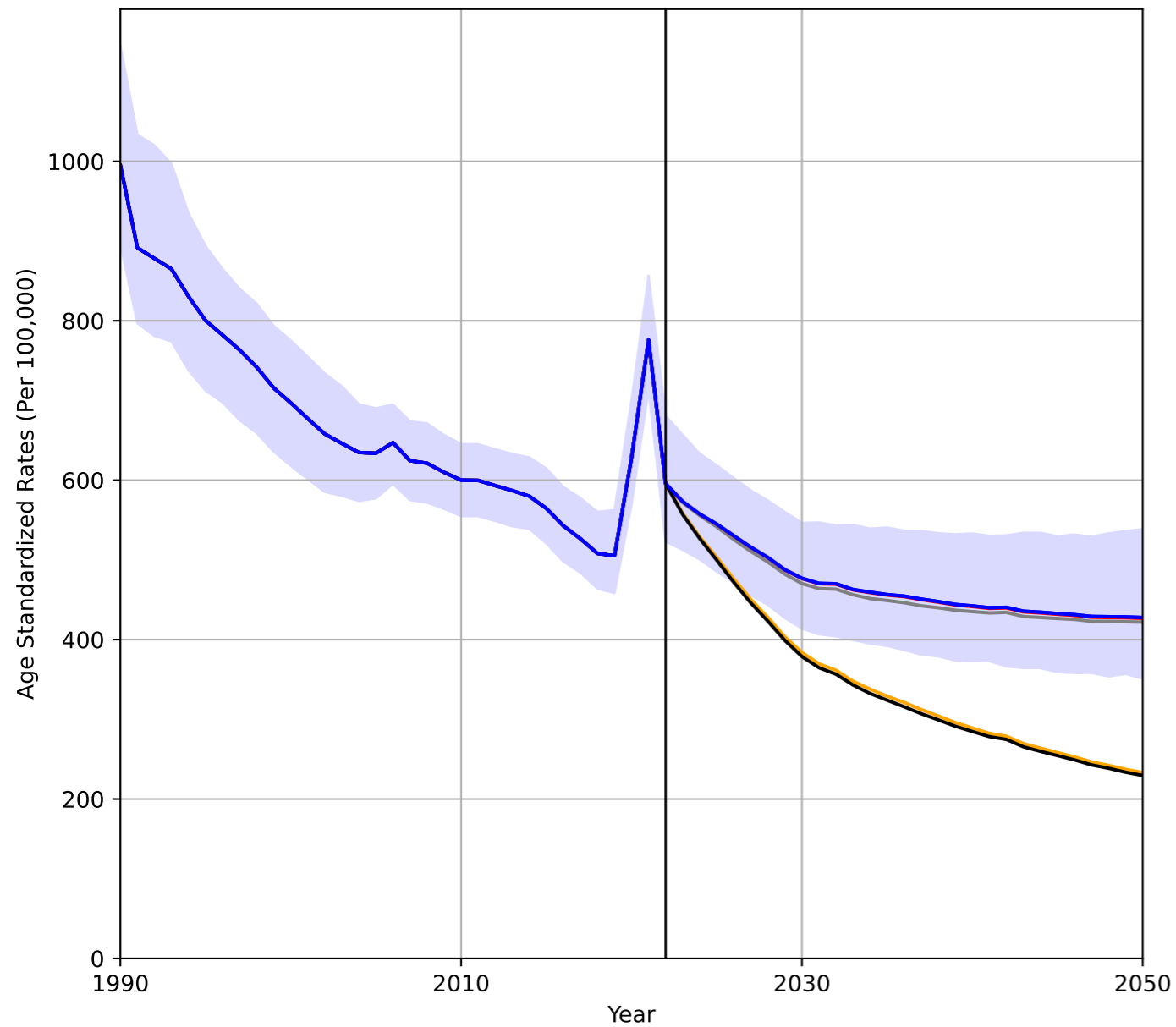
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# Lebanon

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

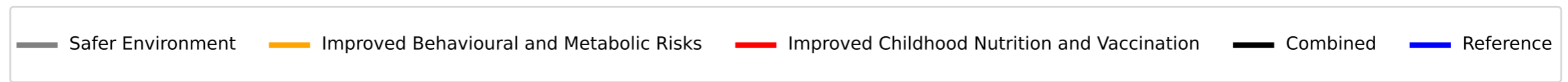
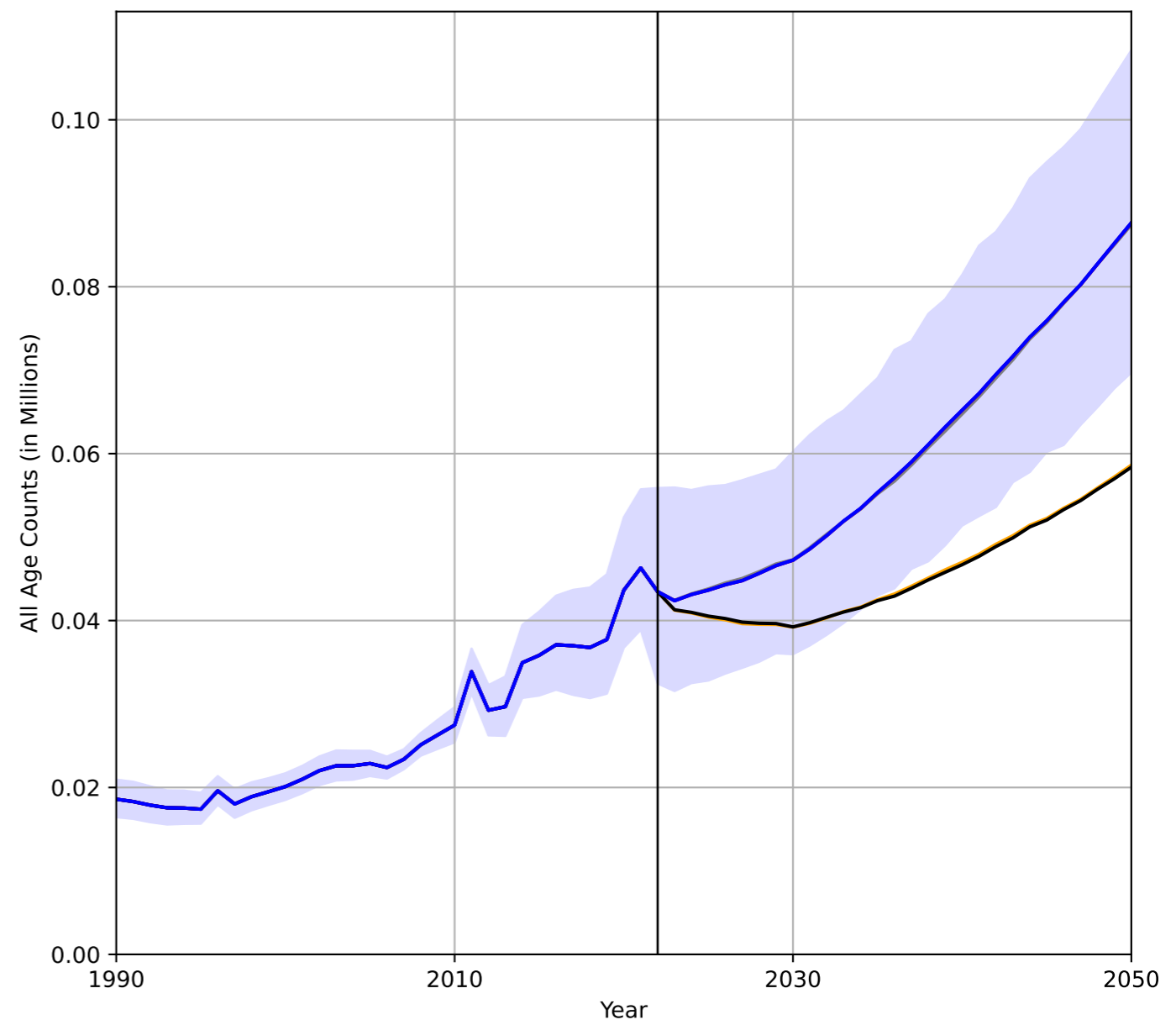
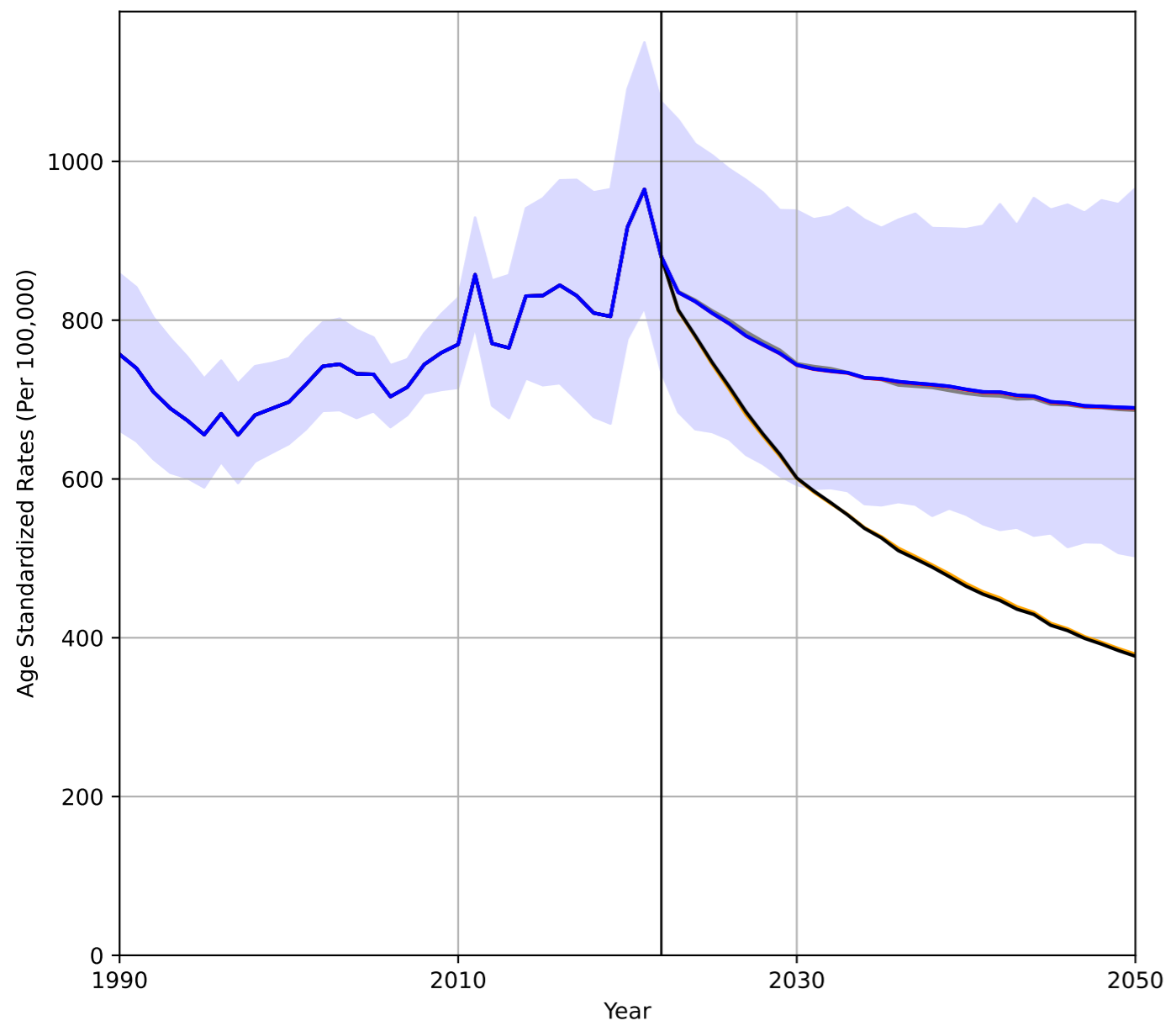
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# Libya

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1751

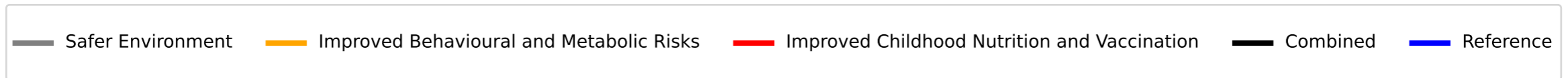
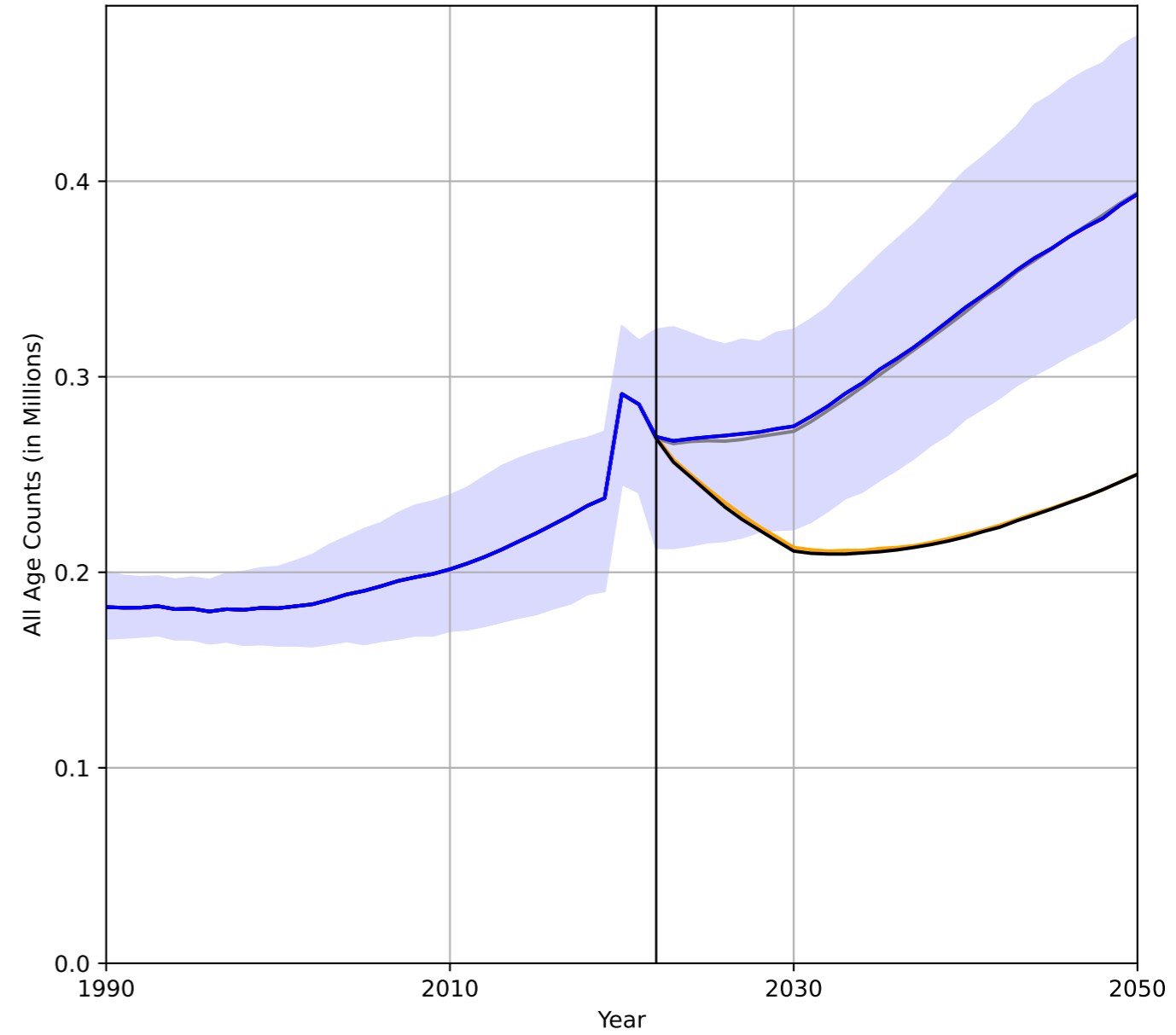
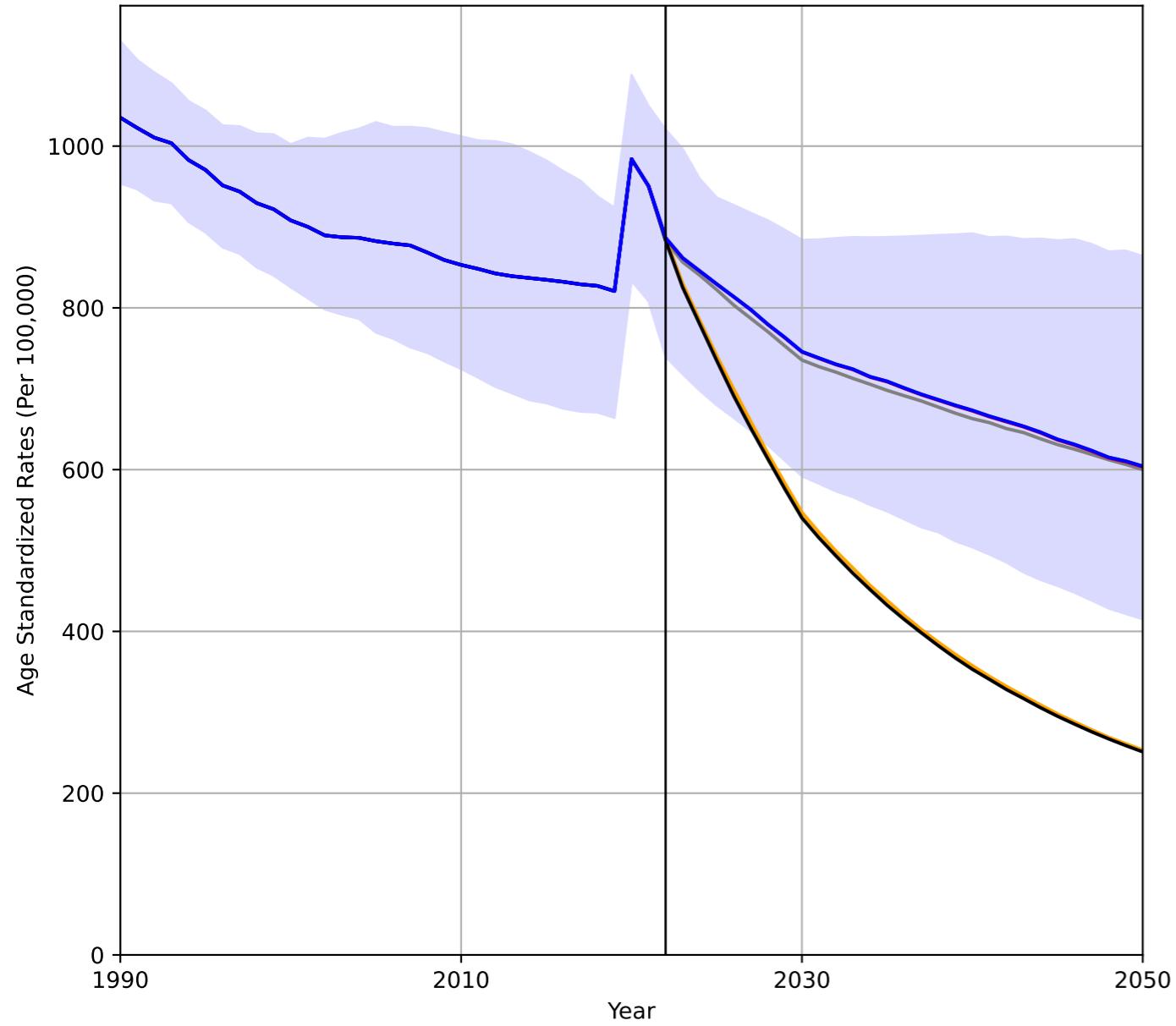




# Morocco

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

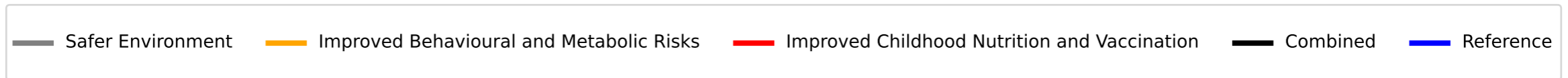
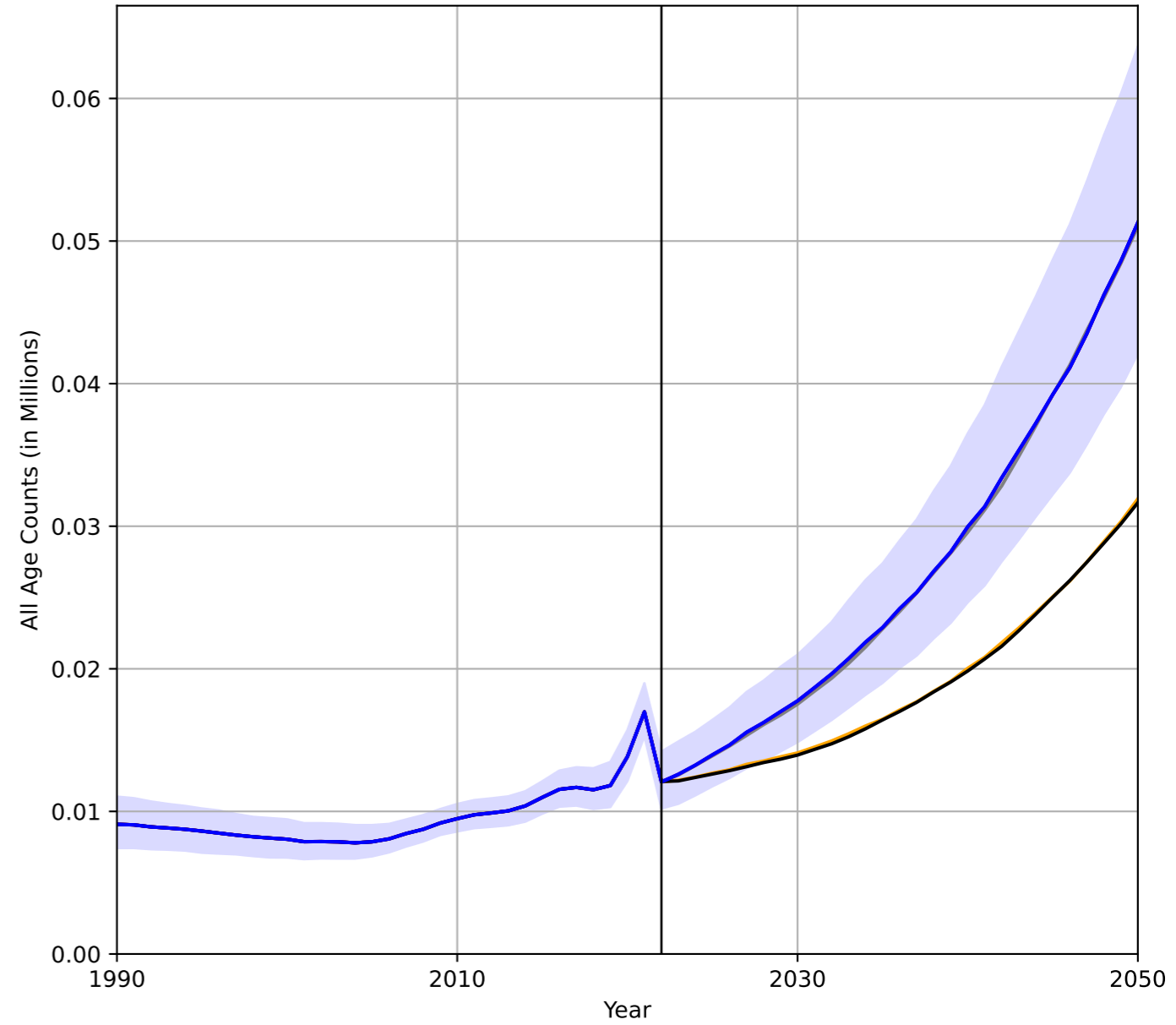
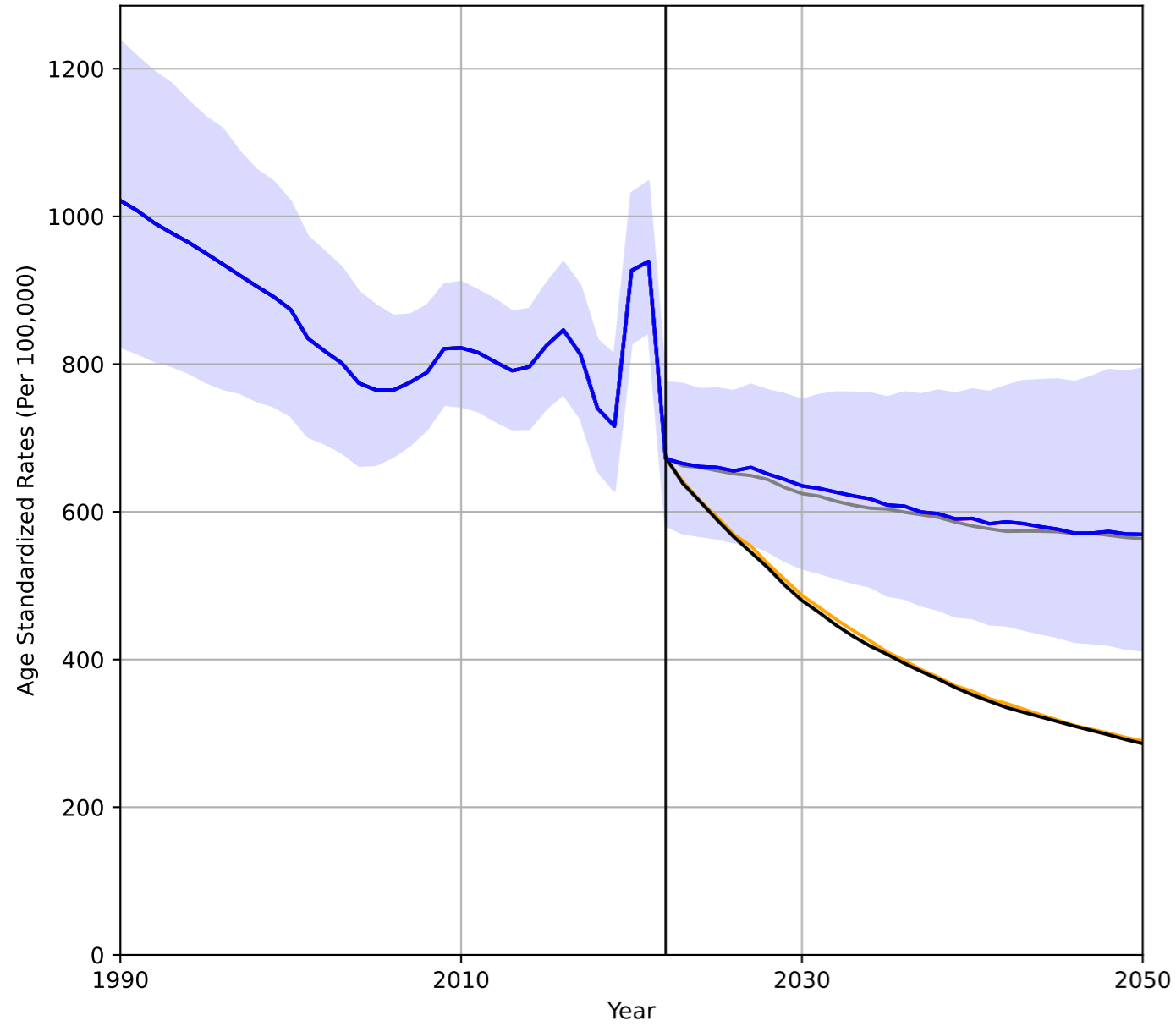
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# Oman

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

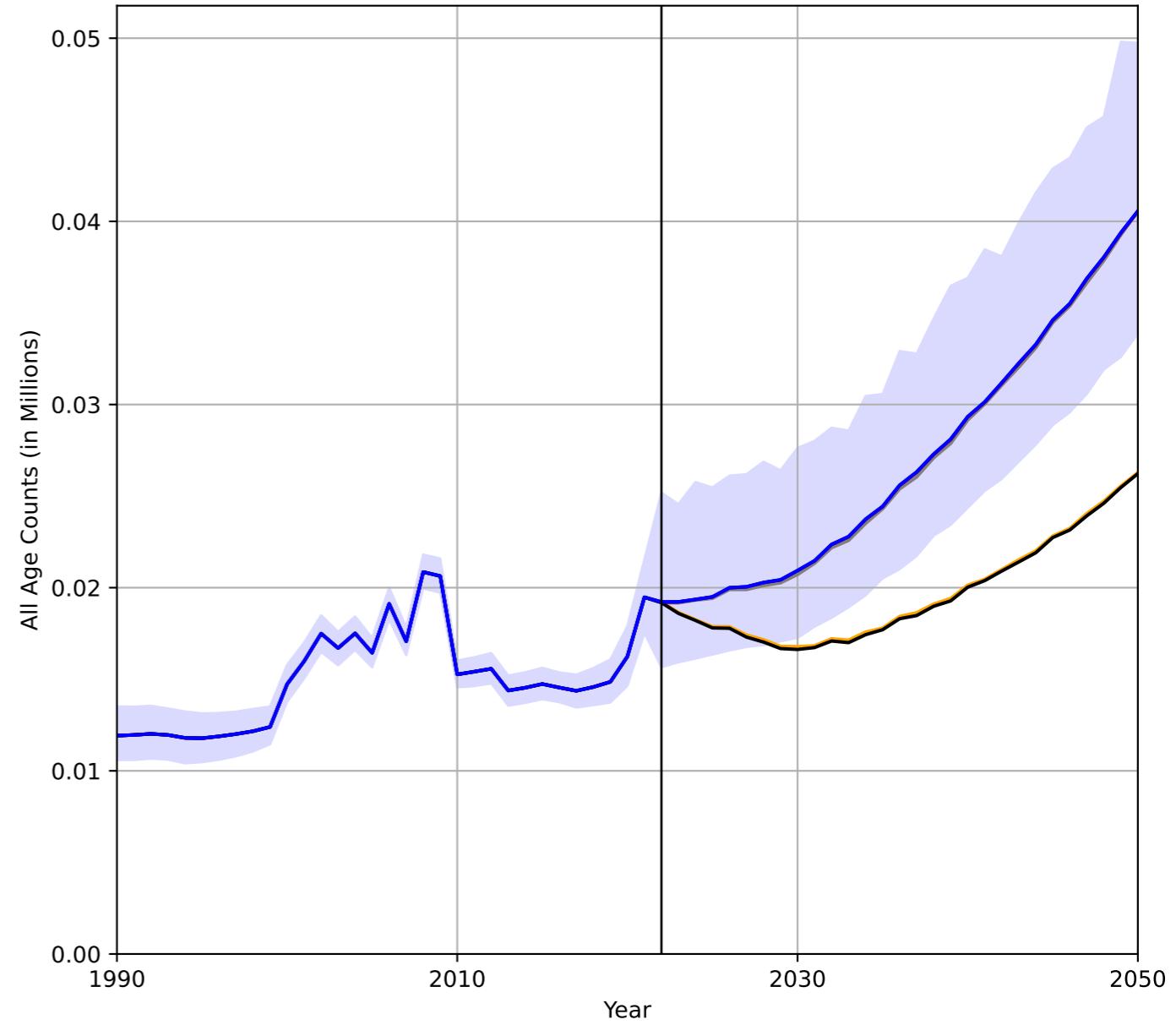
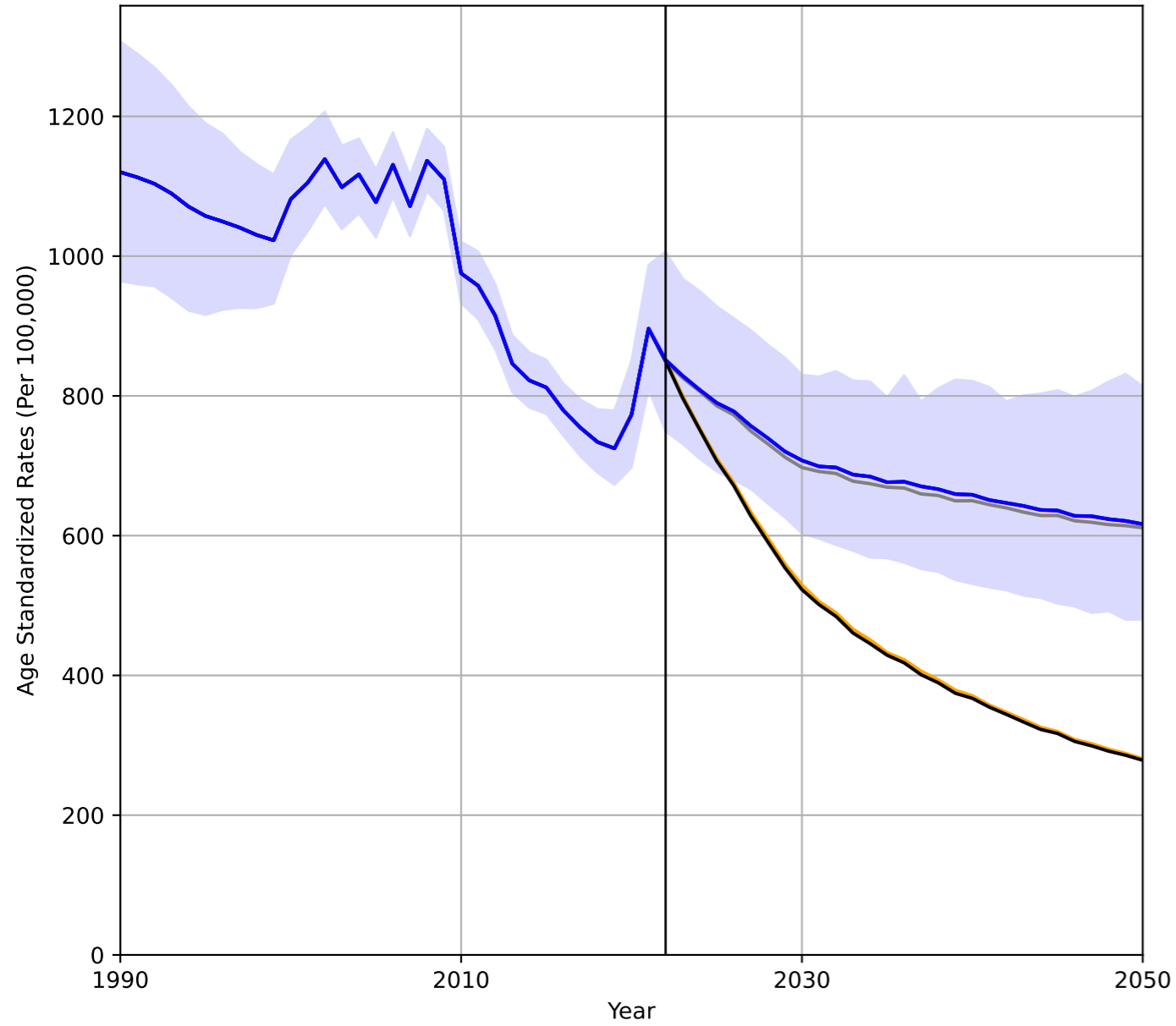
1753



# Palestine

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

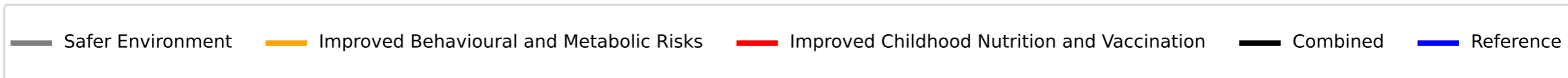
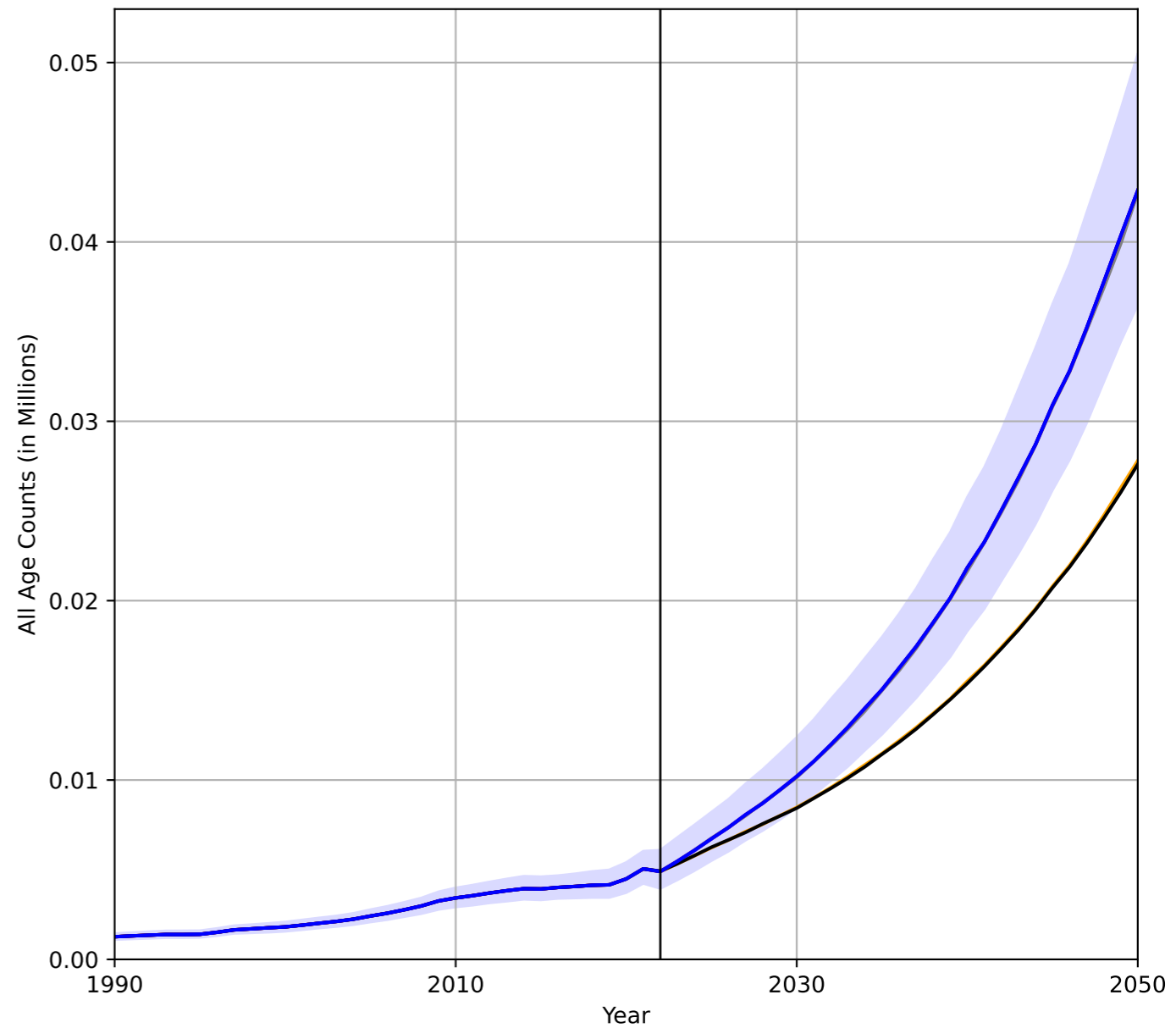
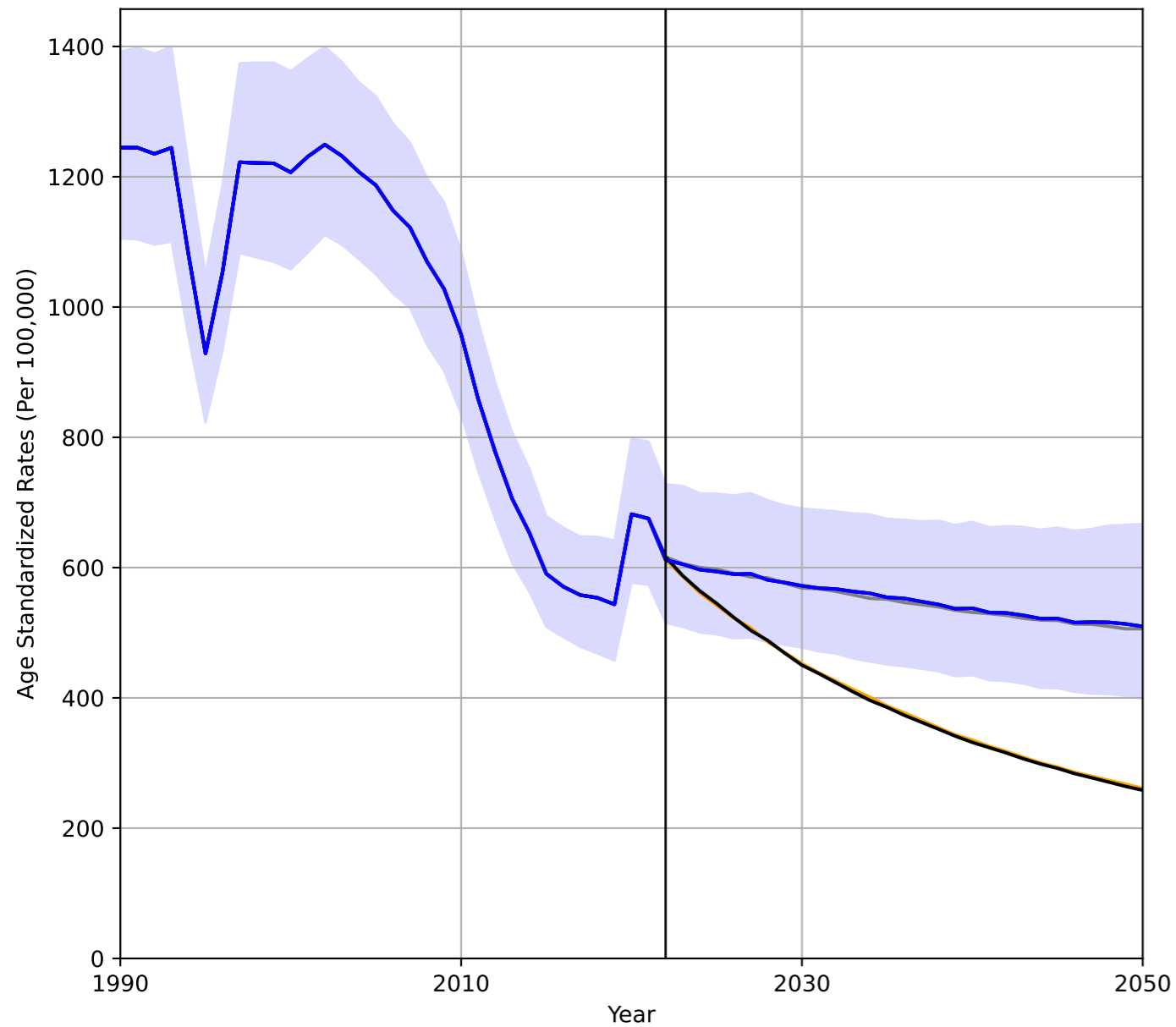
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# Qatar

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

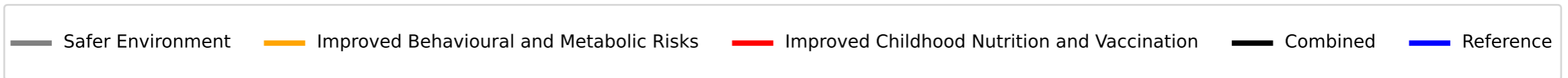
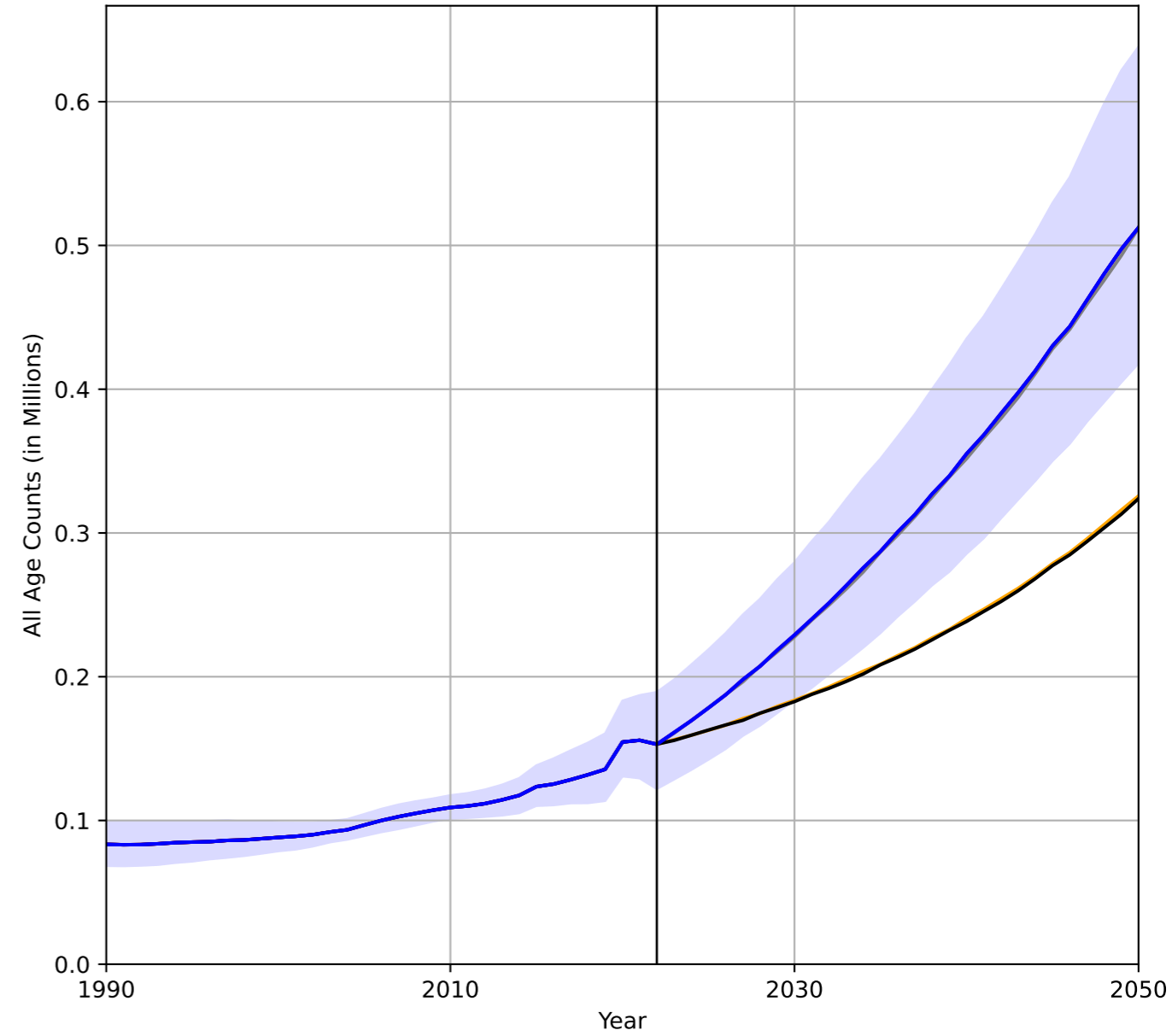
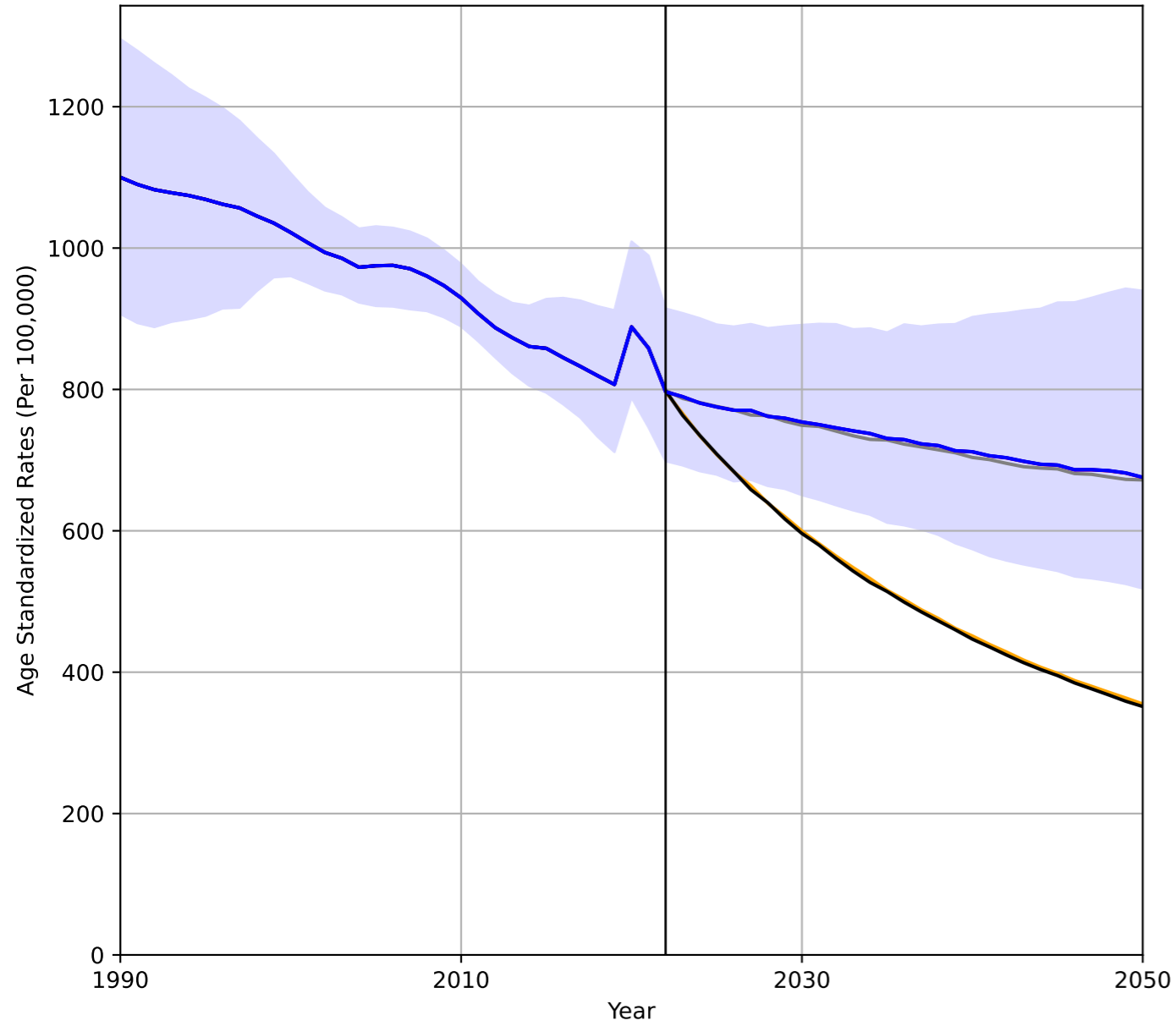
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# Saudi Arabia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

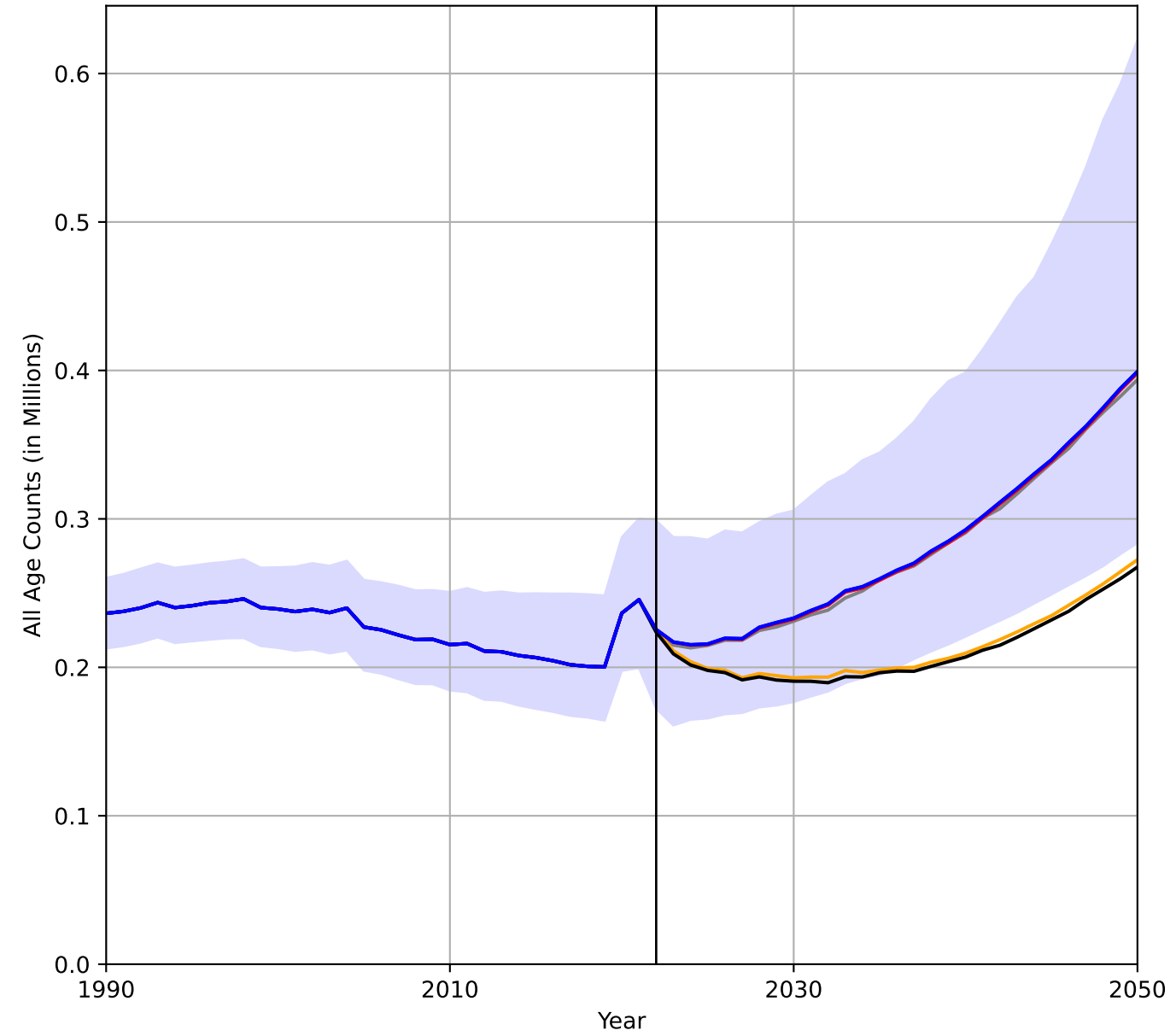
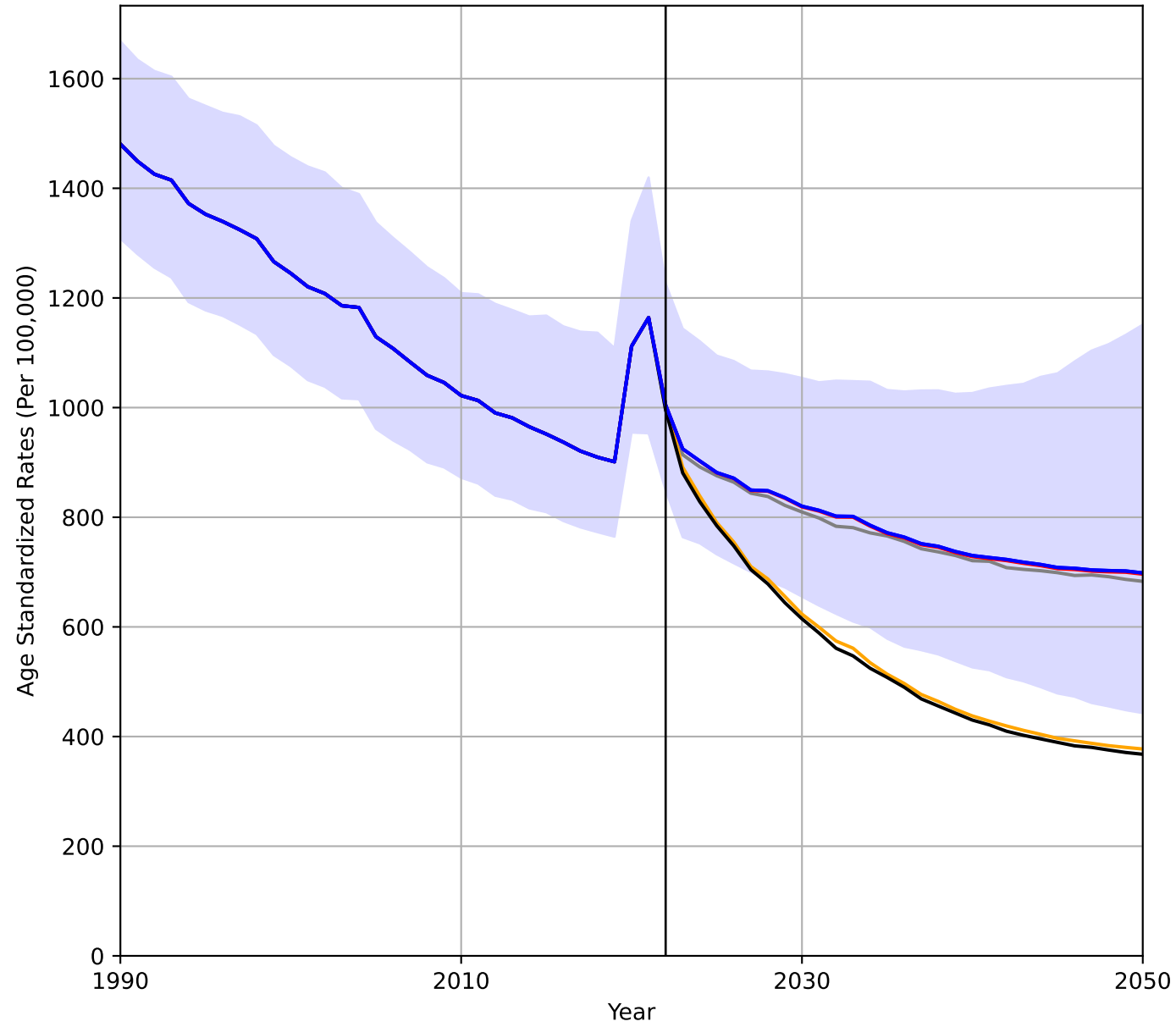
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# Sudan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

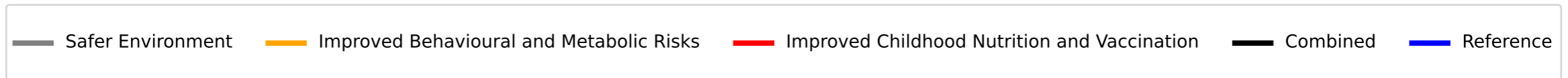
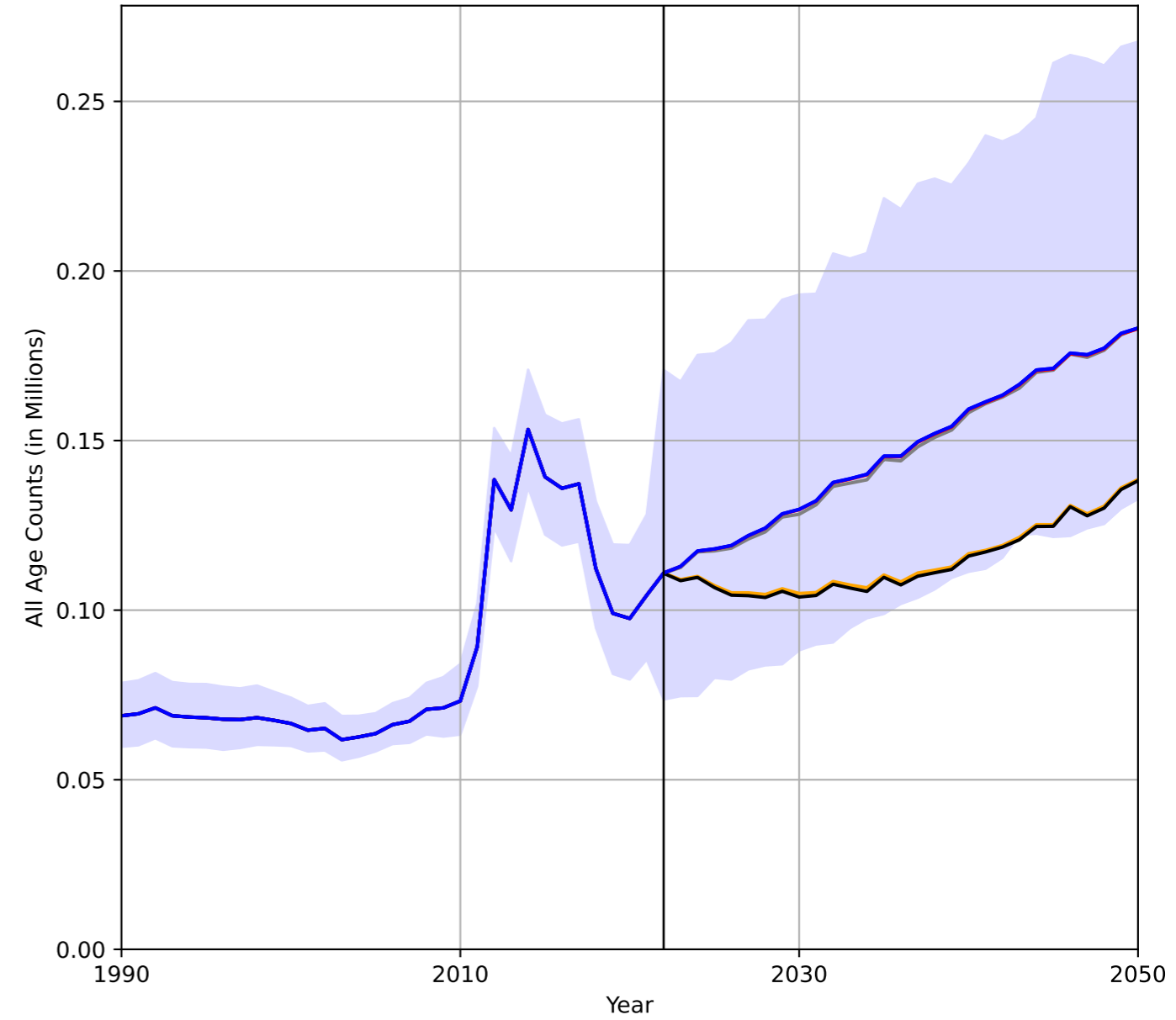
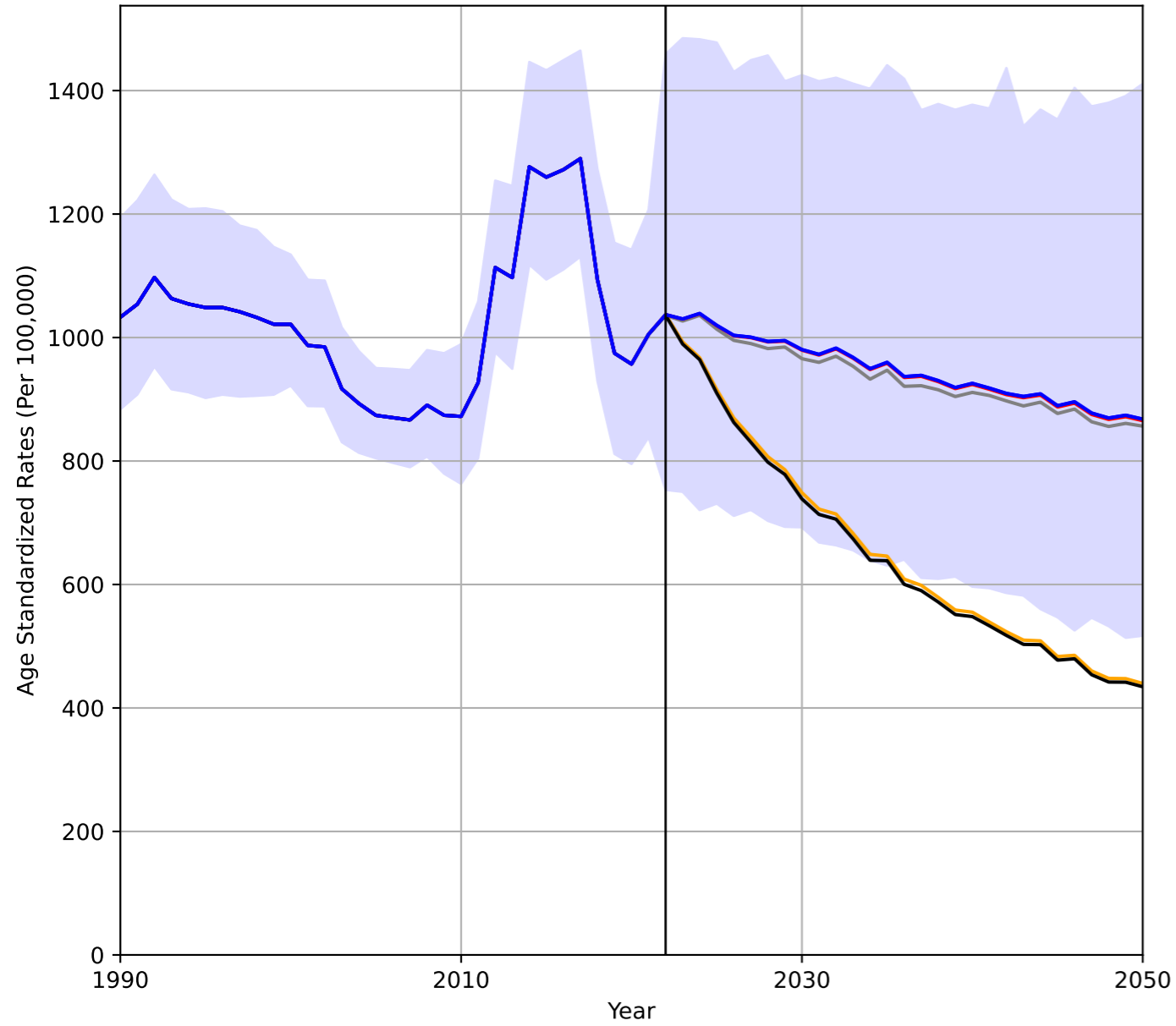
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# Syria

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

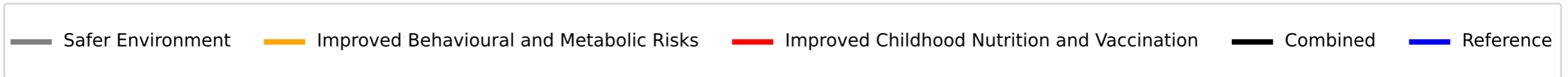
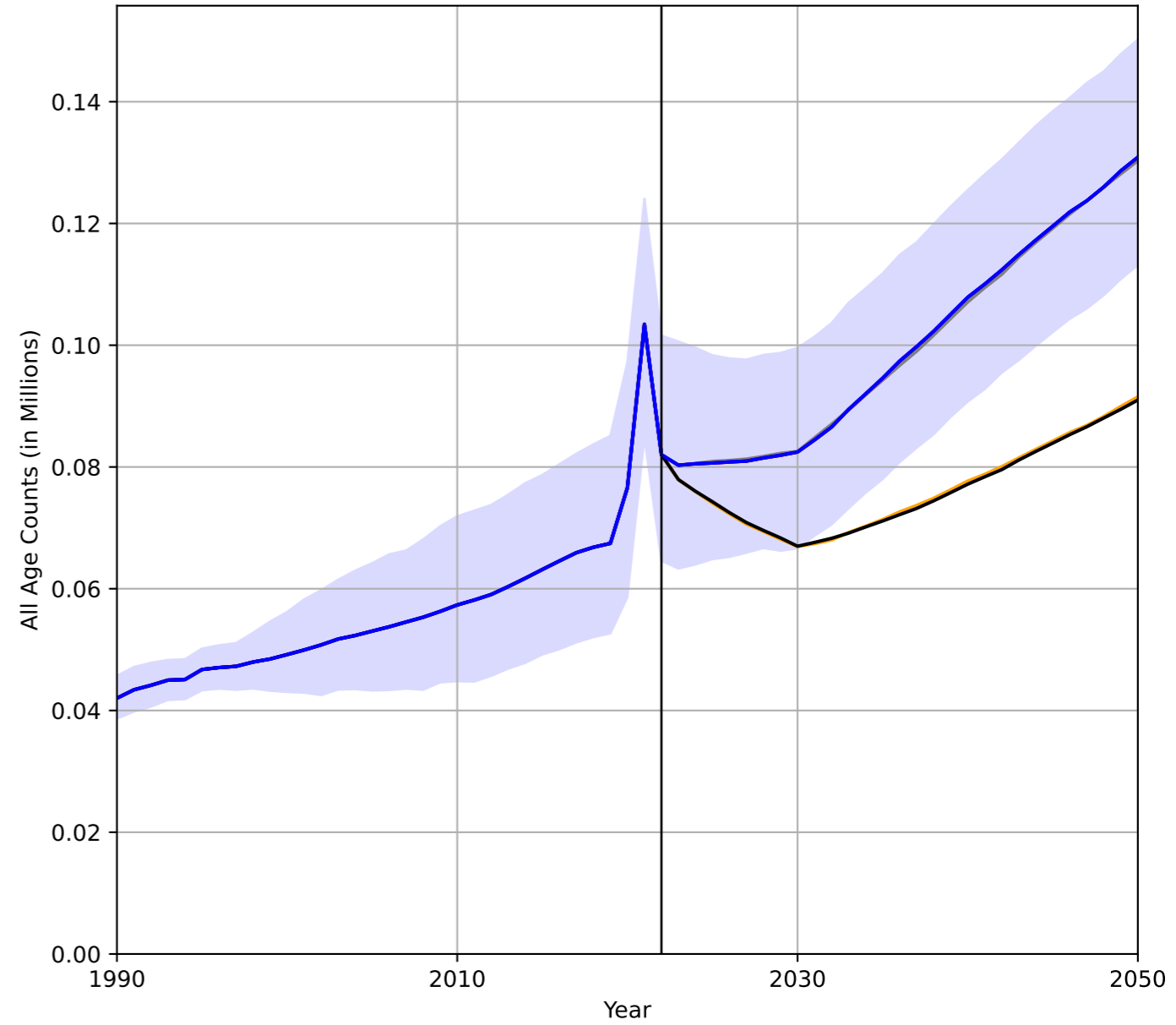
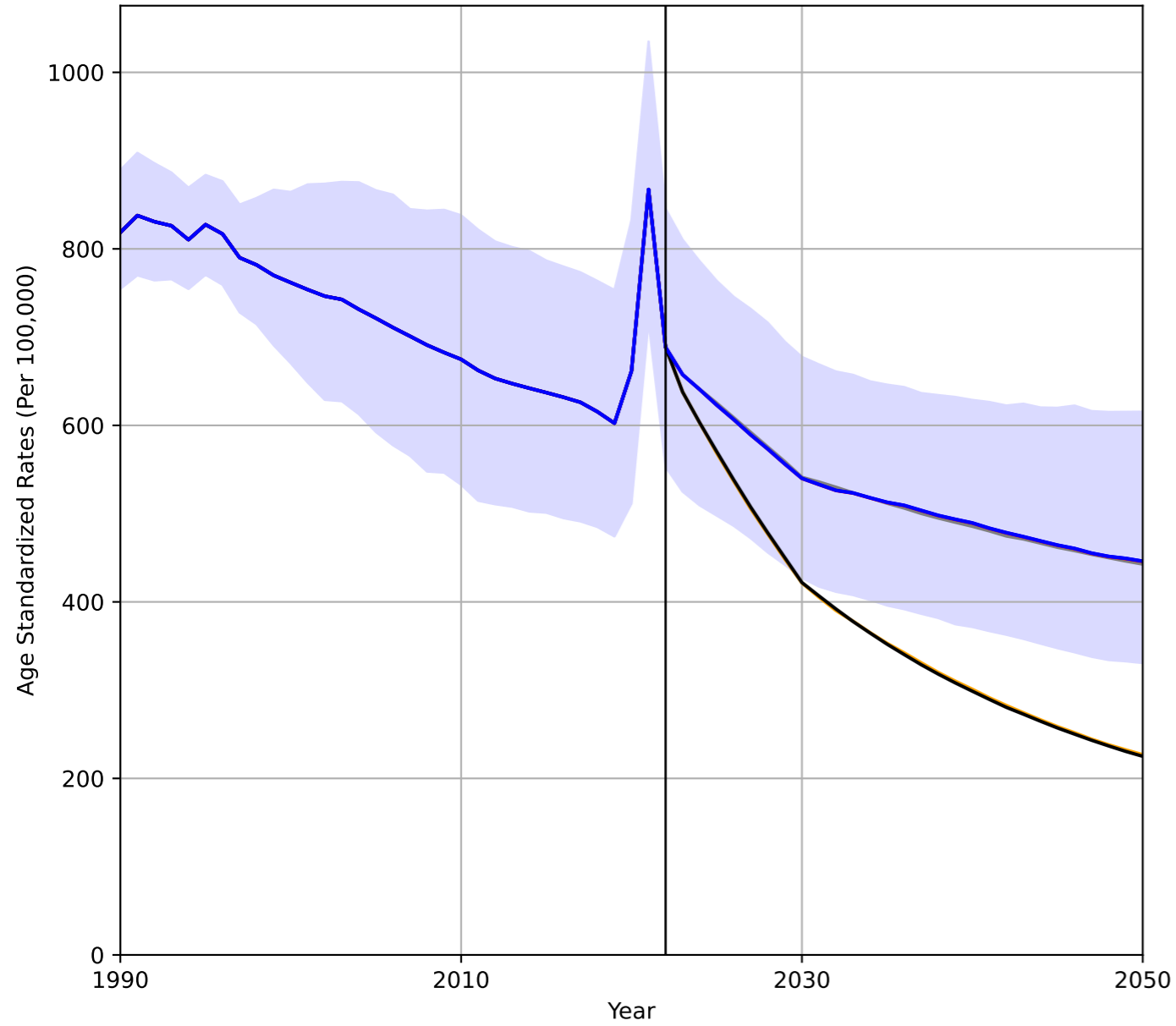
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# Tunisia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1759

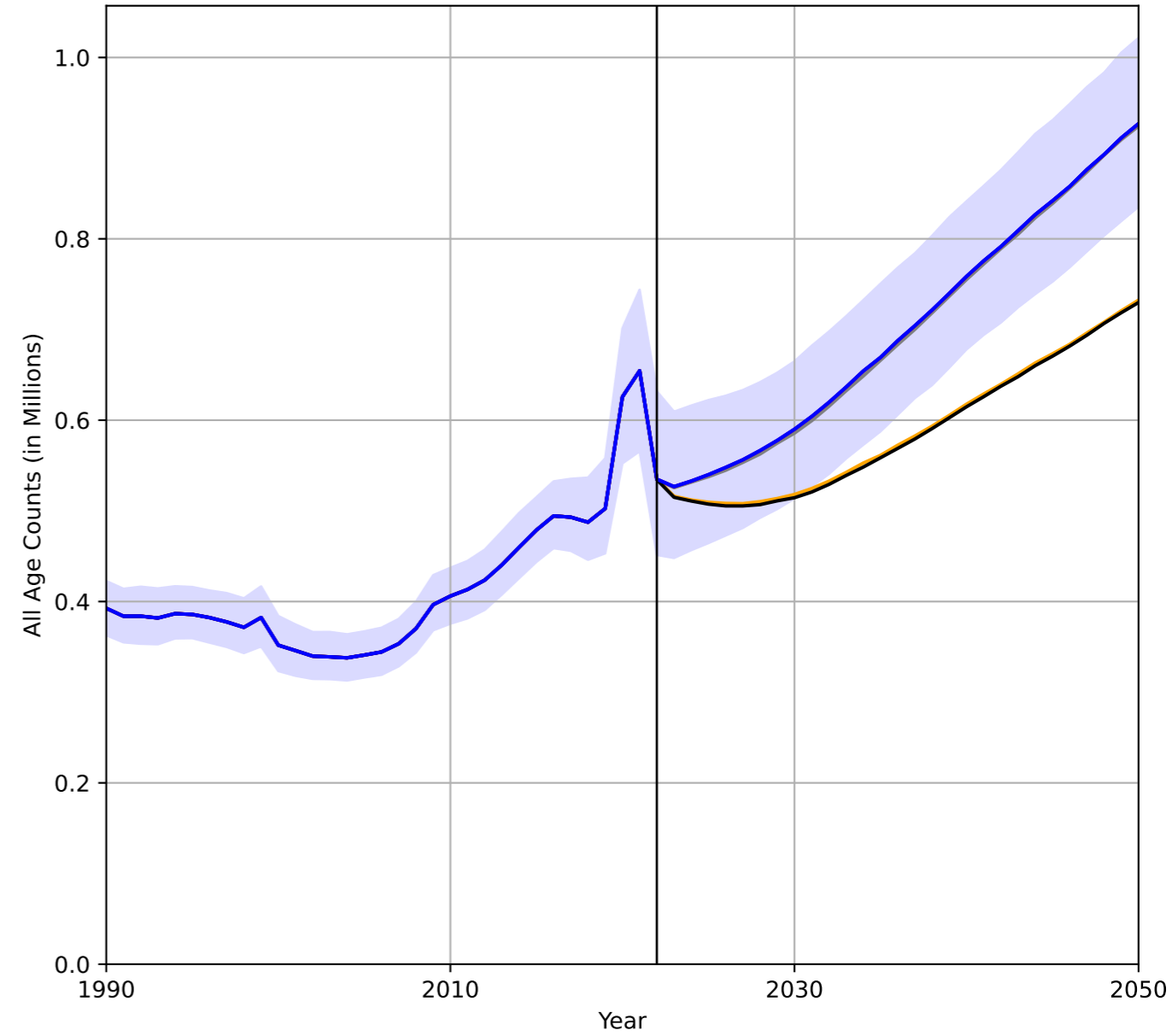
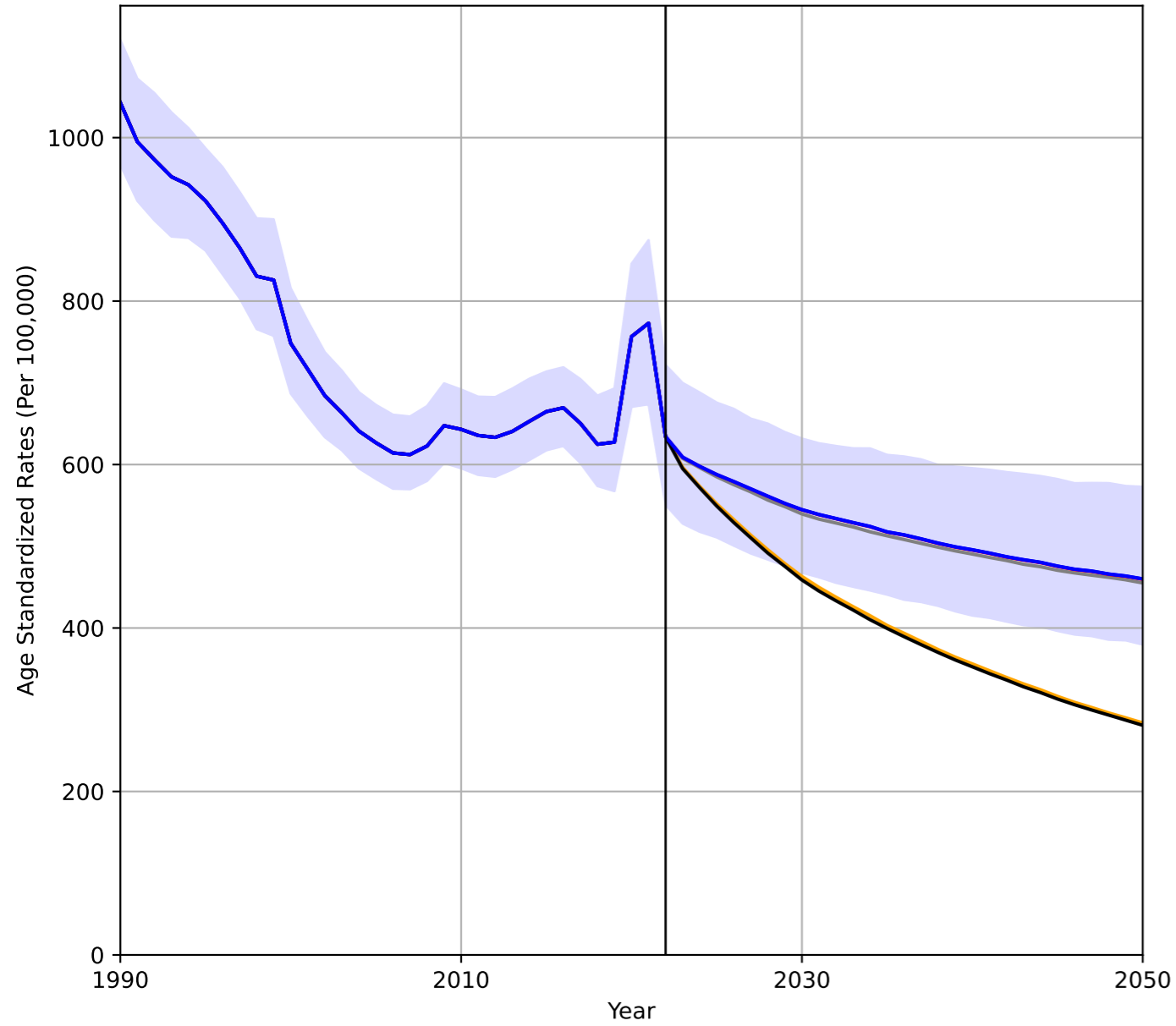




# Türkiye

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

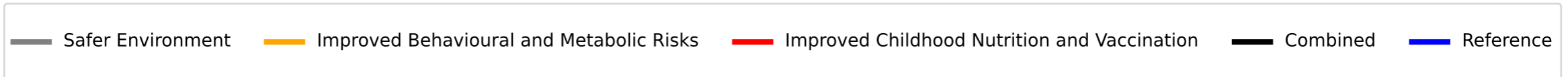
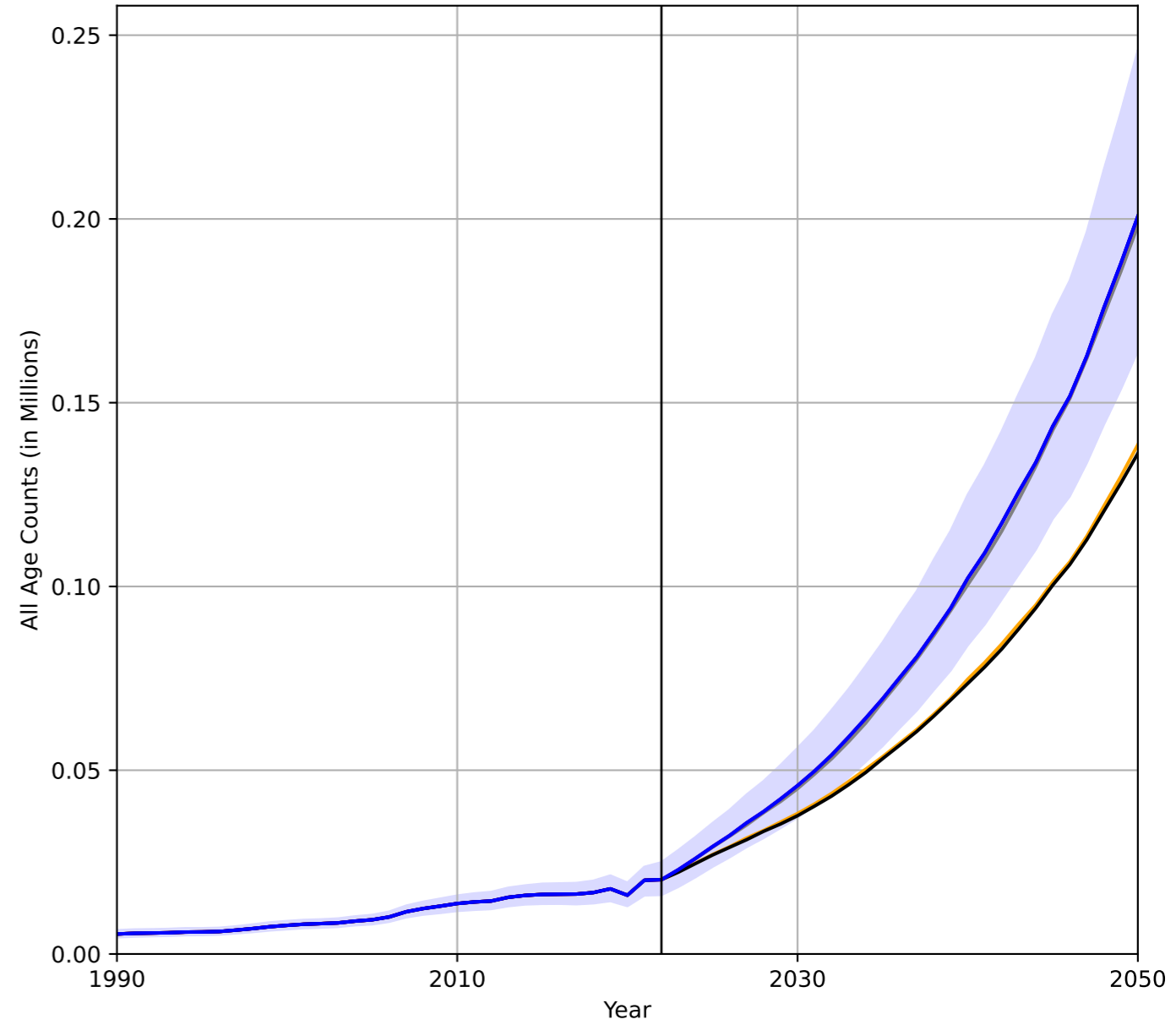
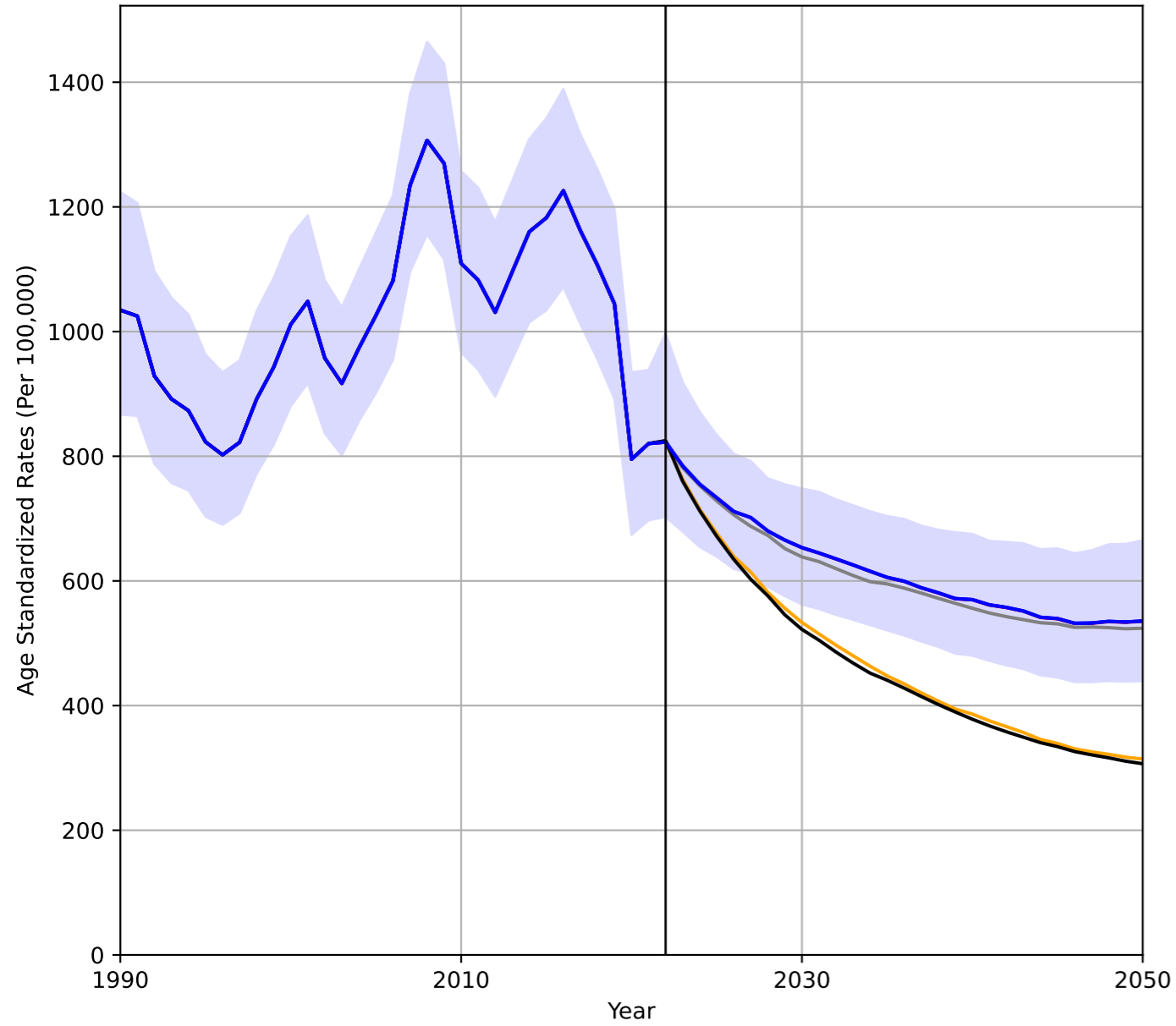
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# United Arab Emirates

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

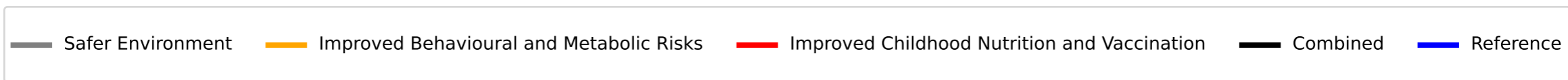
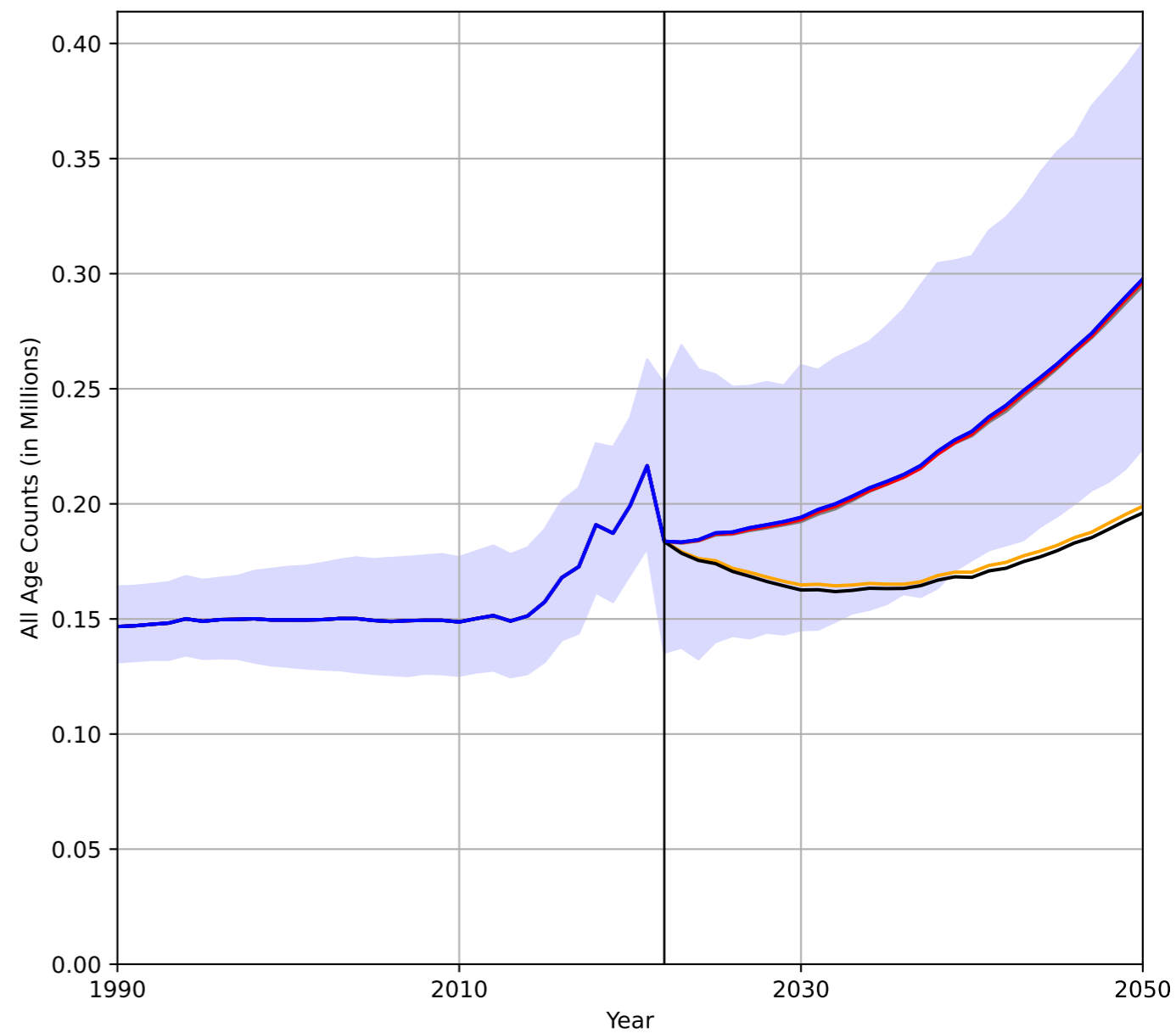
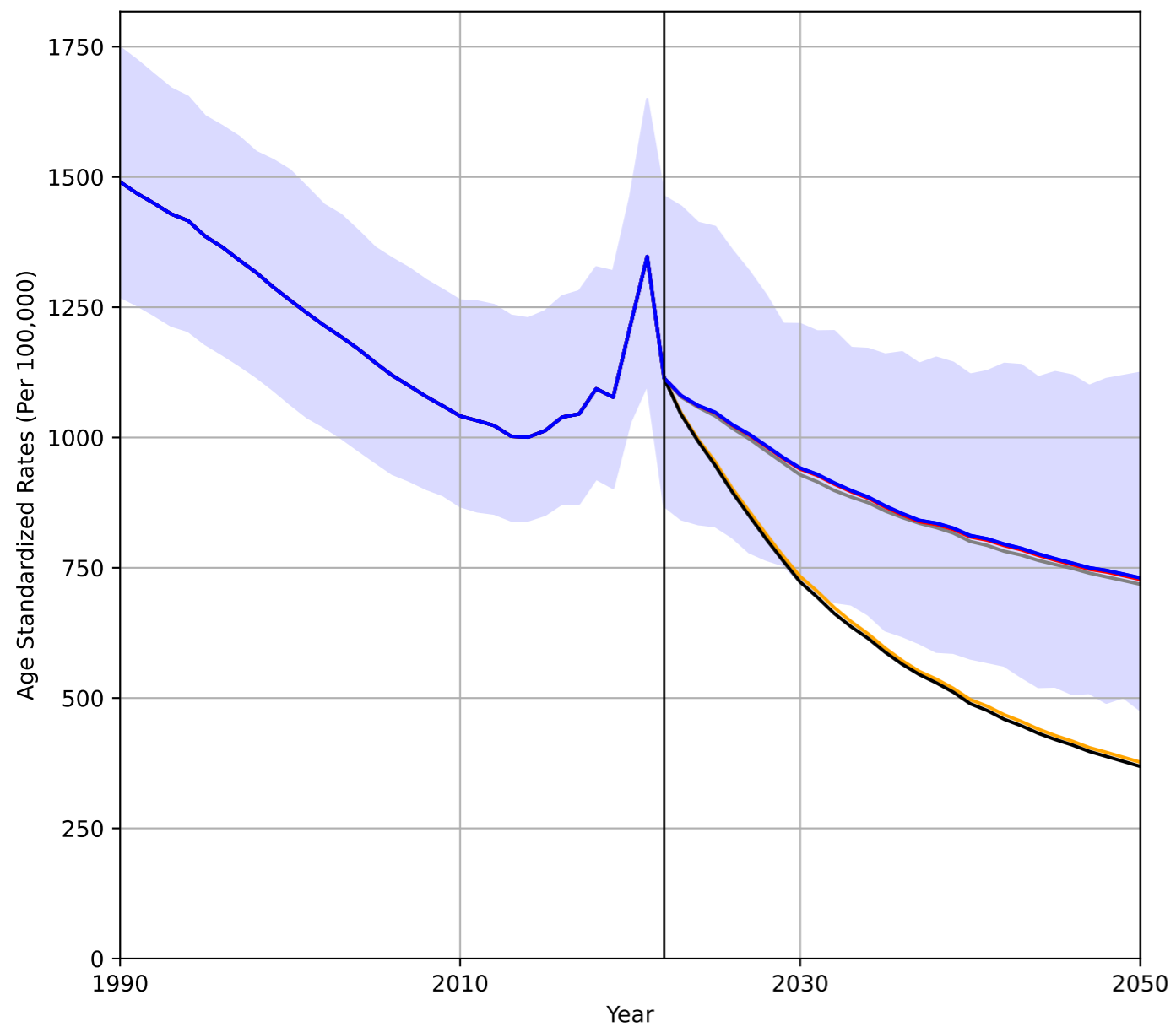
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# Yemen

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

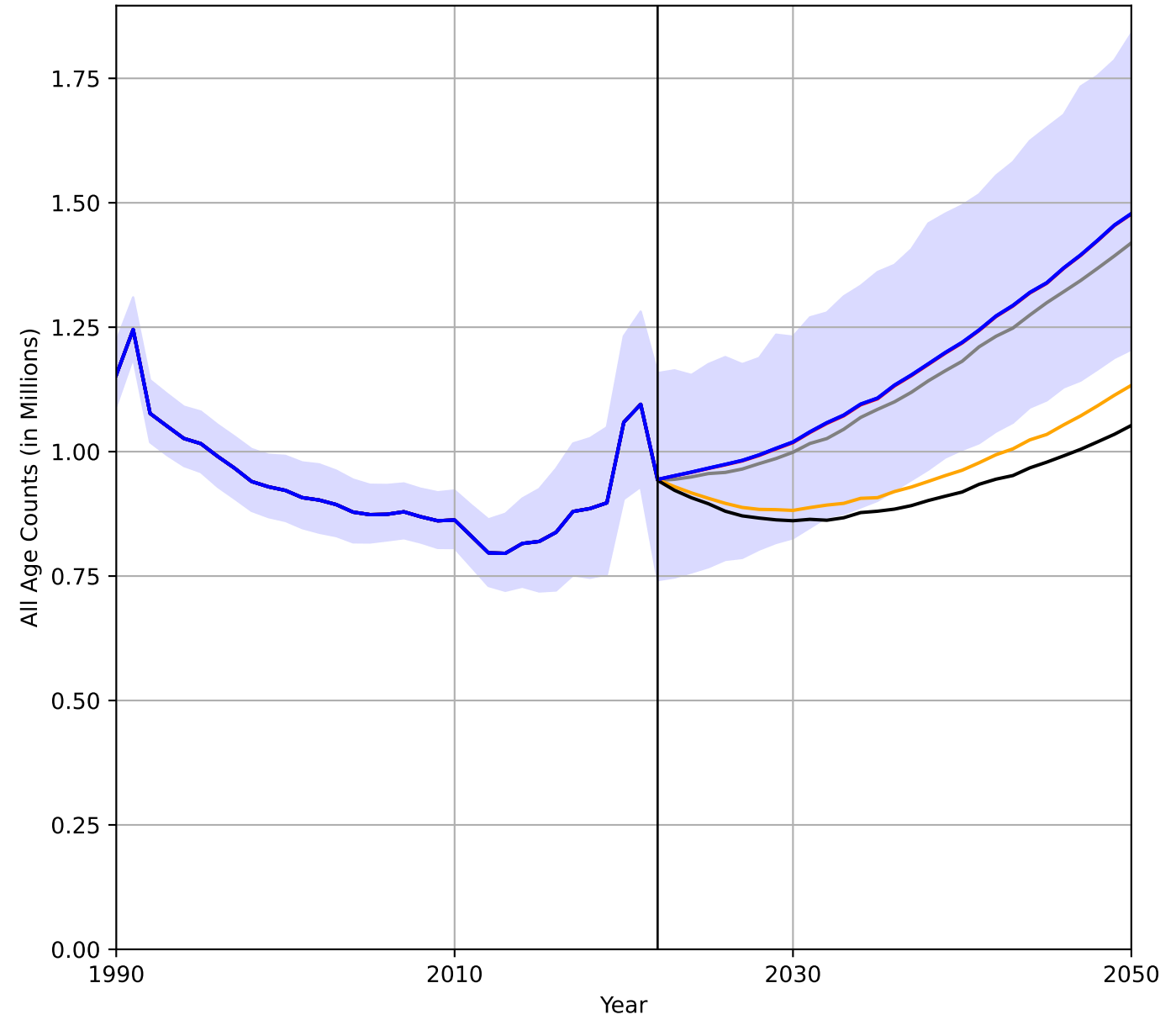
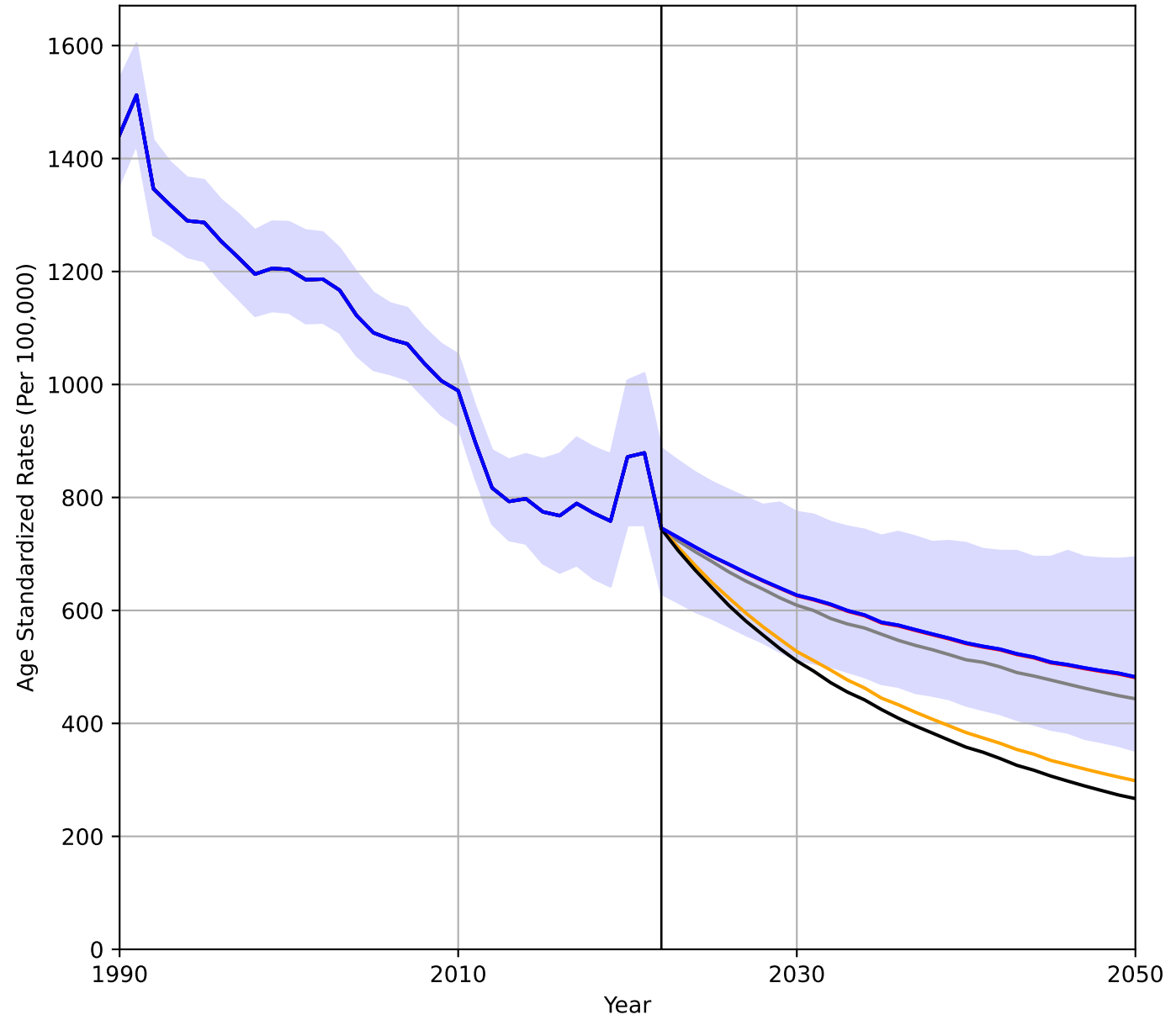
1762



# Bangladesh

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

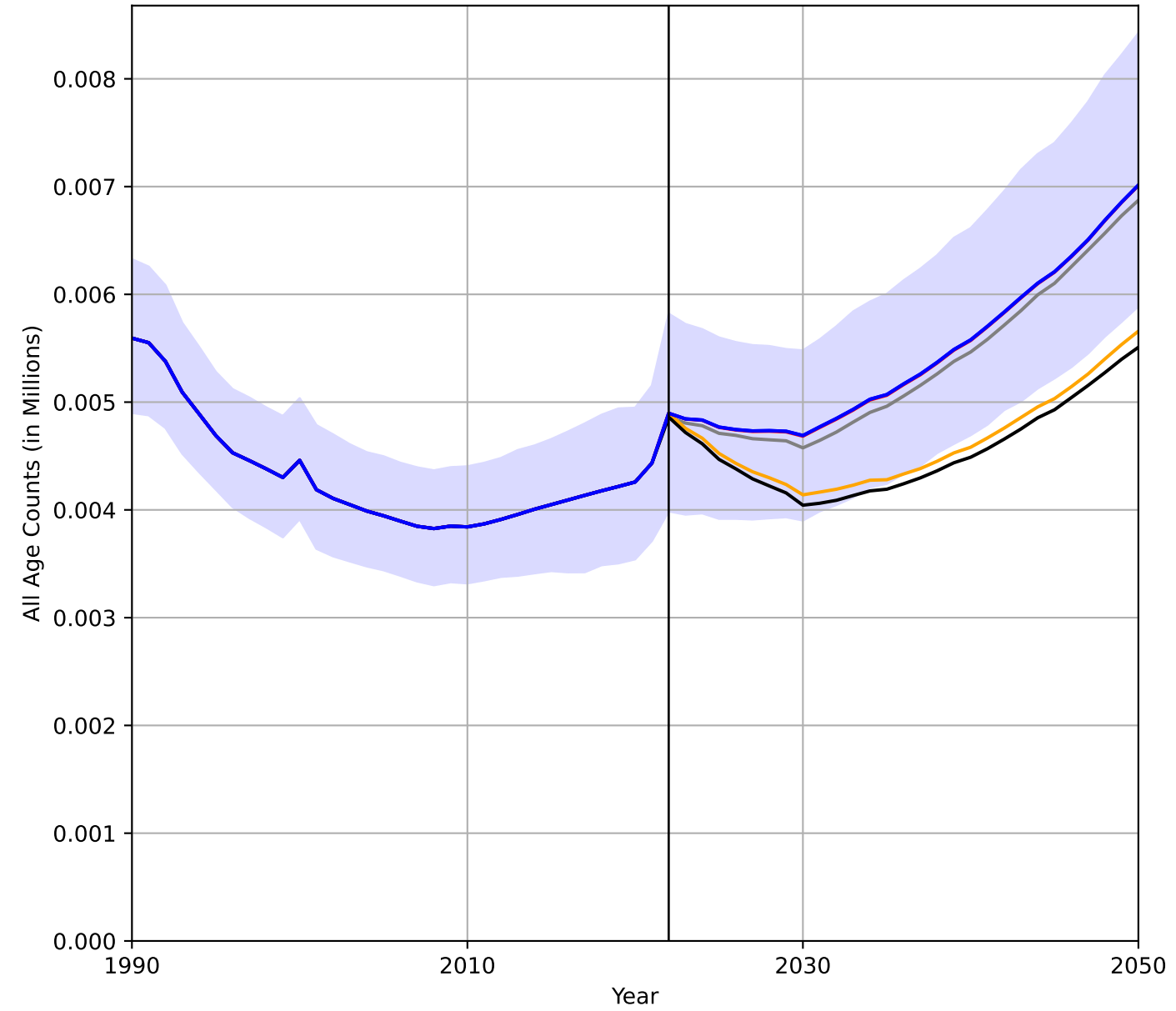
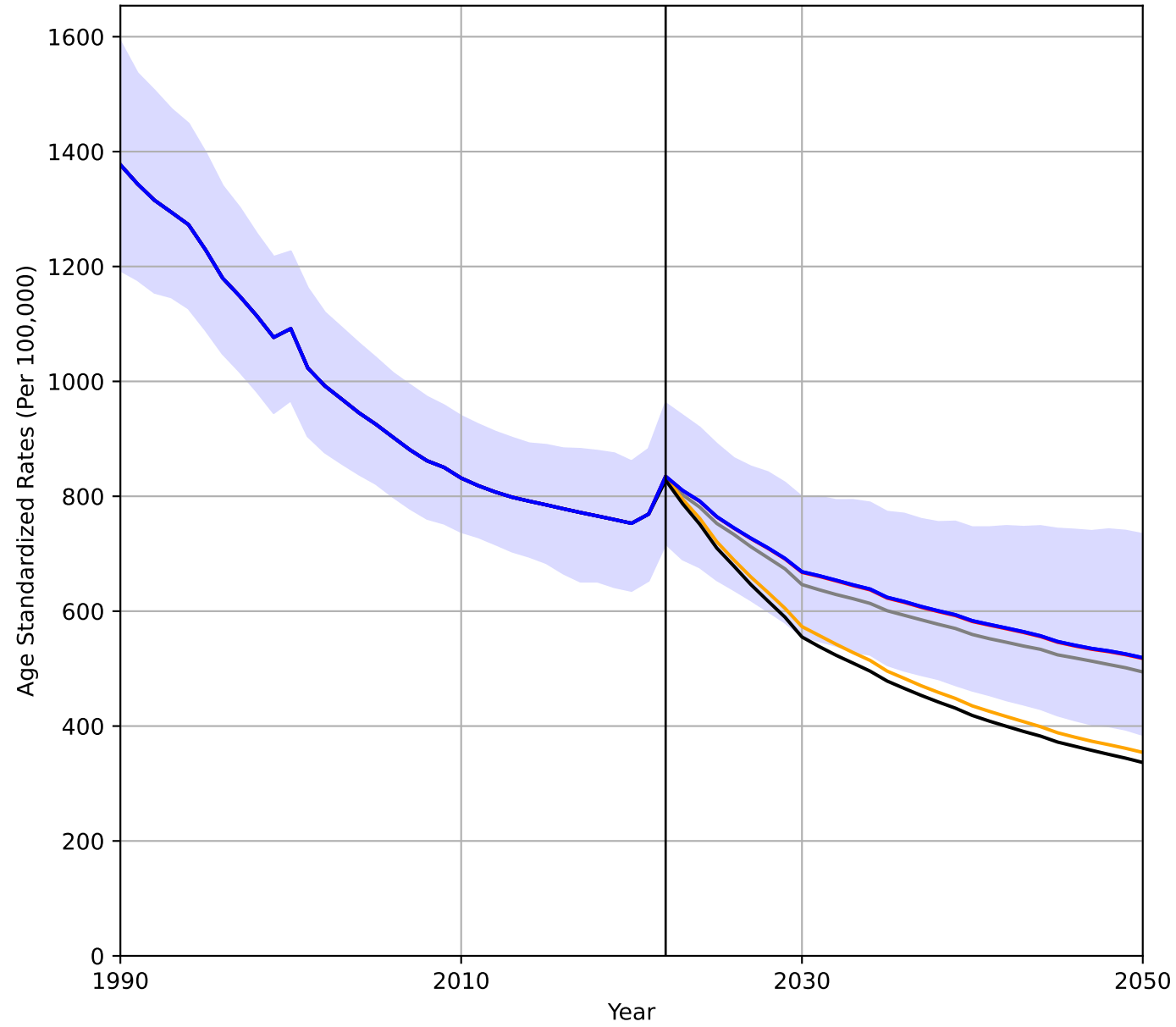
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# Bhutan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

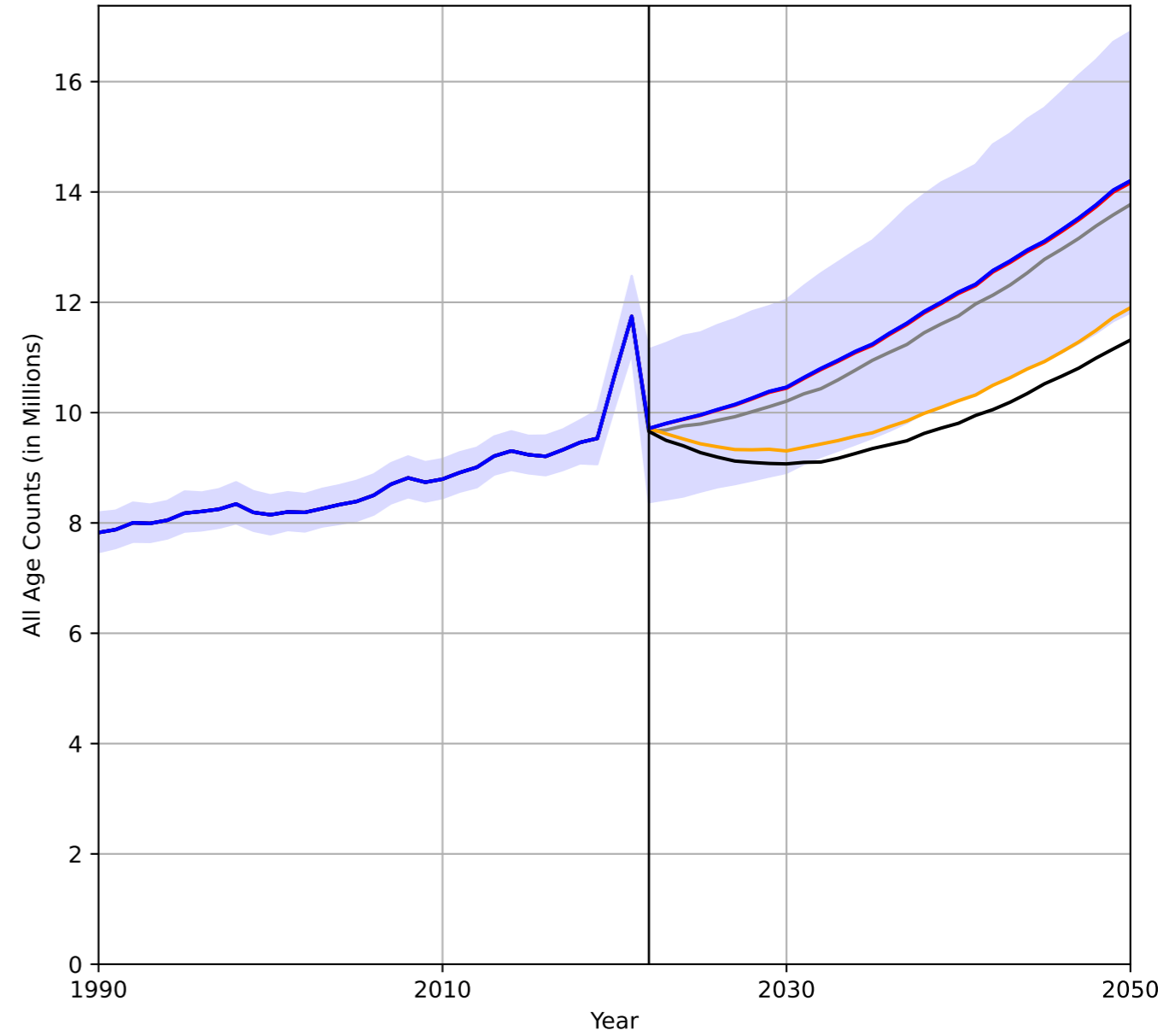
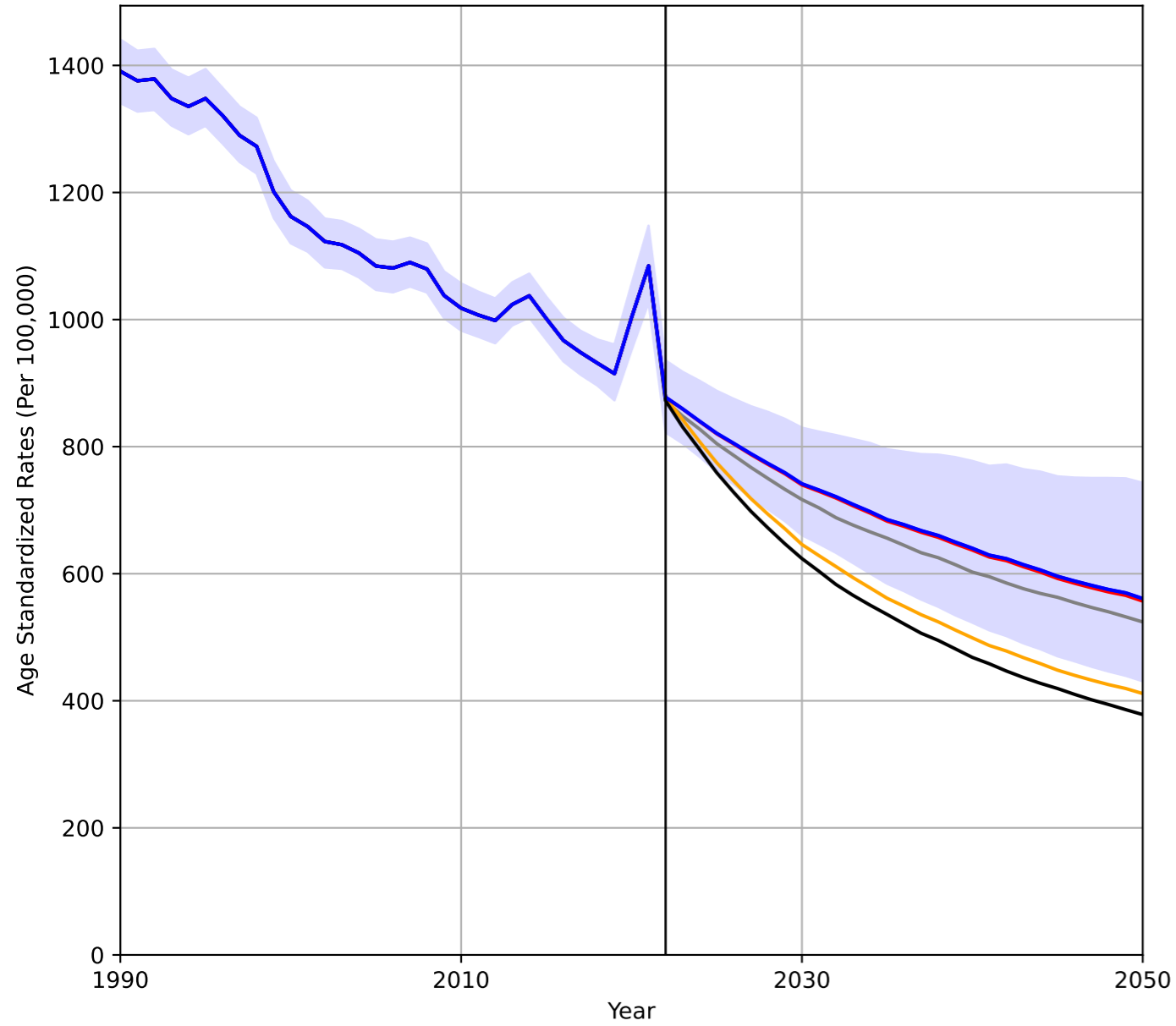
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# India

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

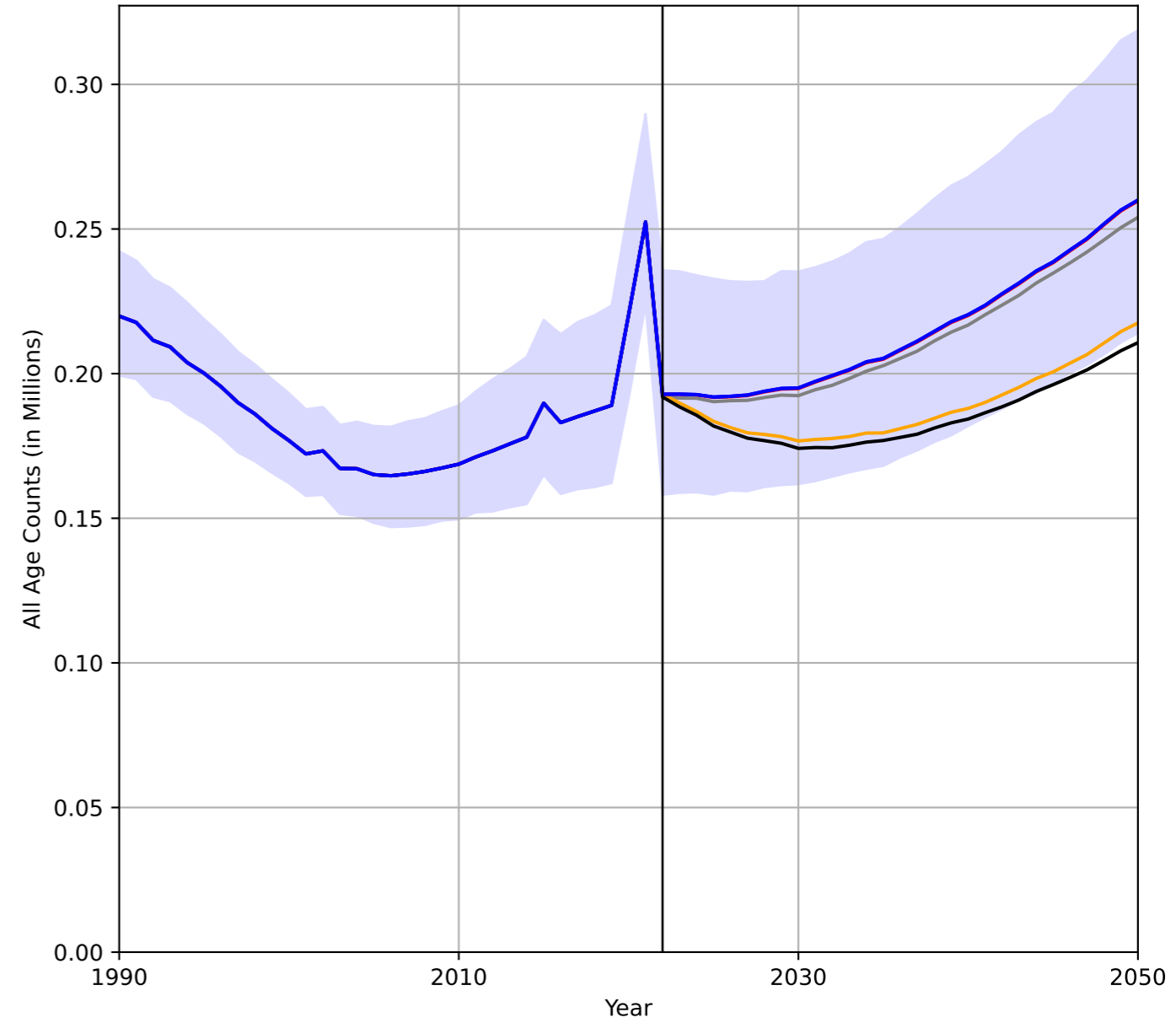
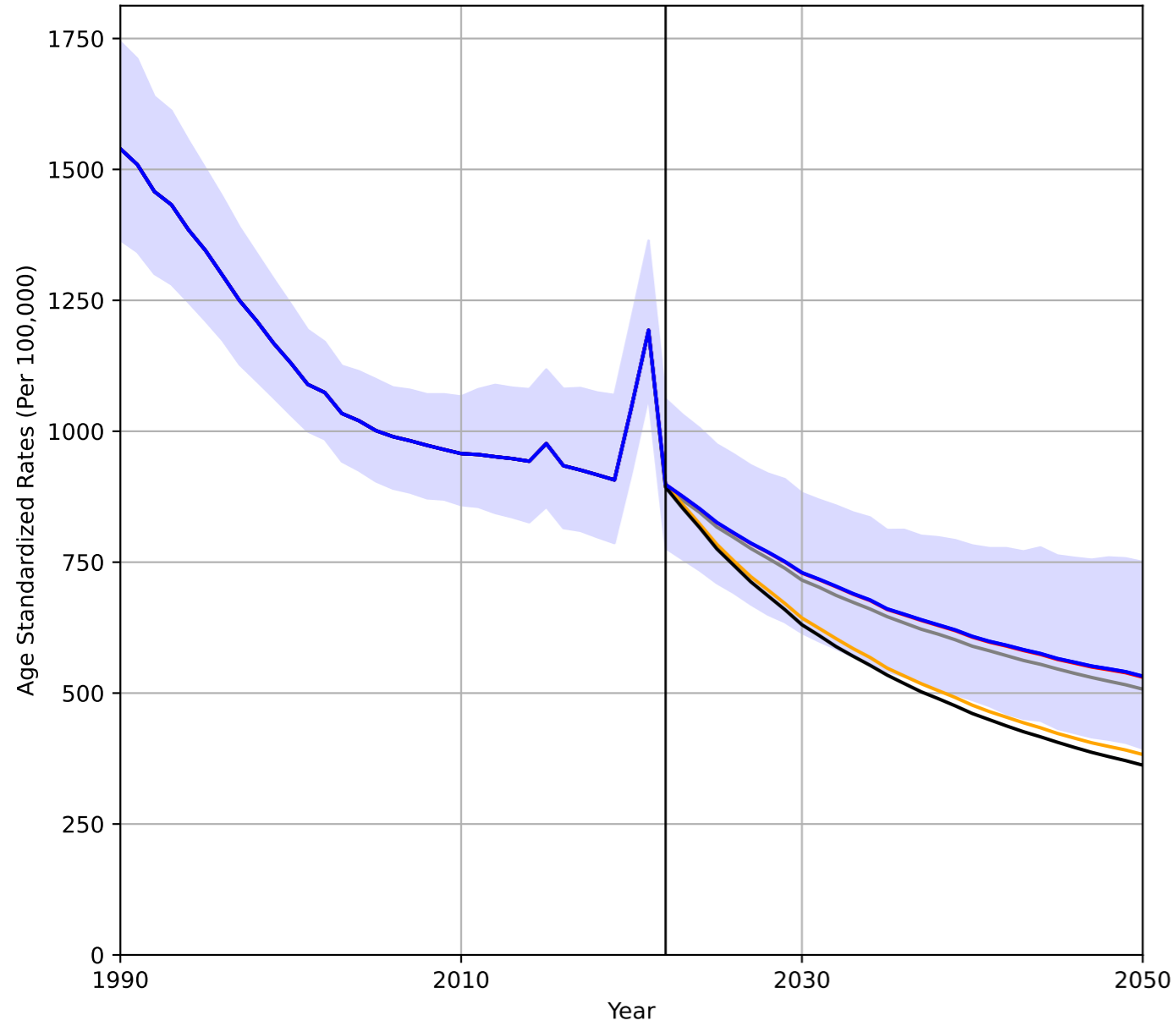
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# Nepal

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

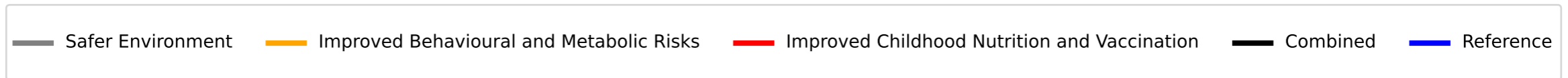
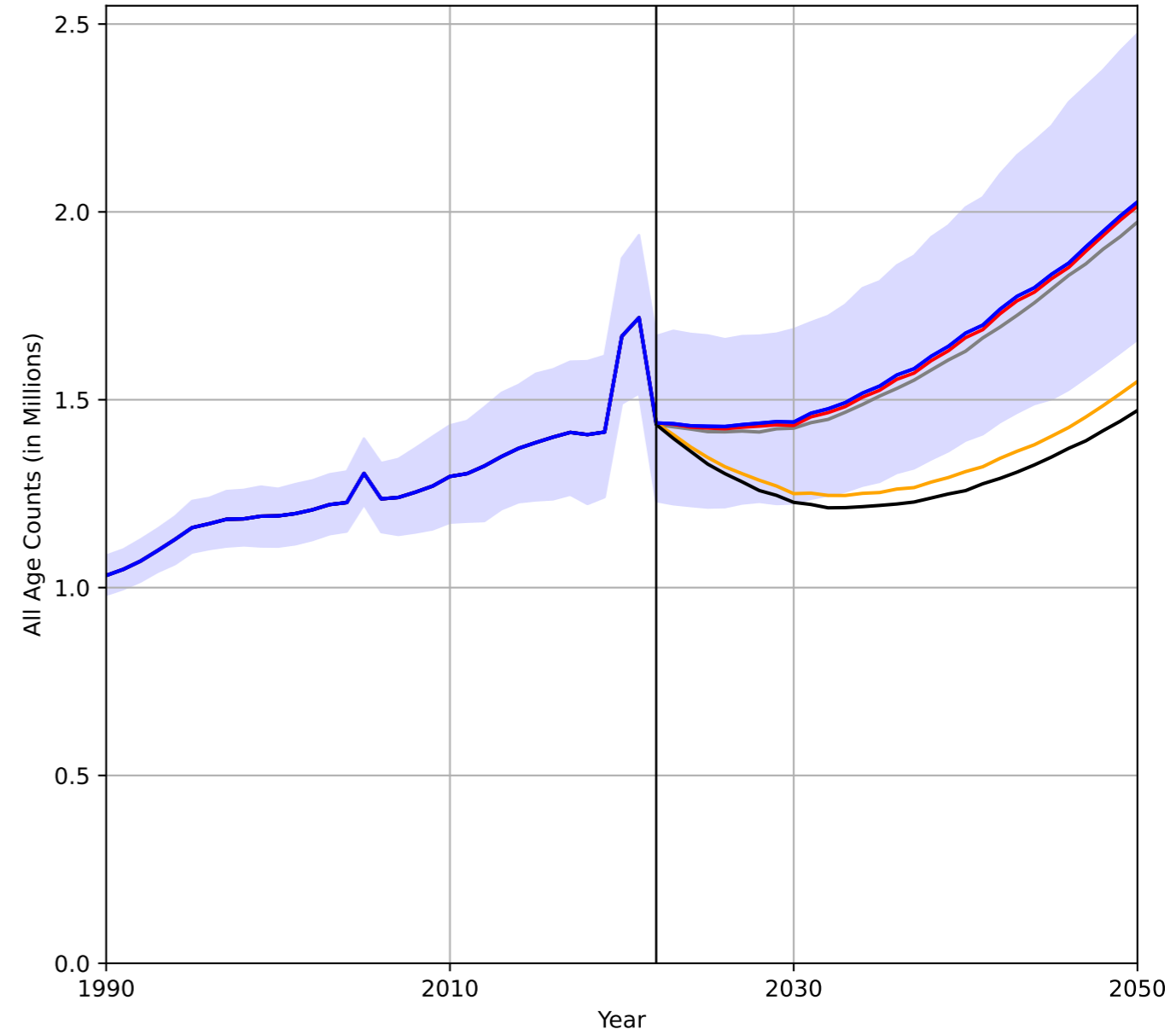
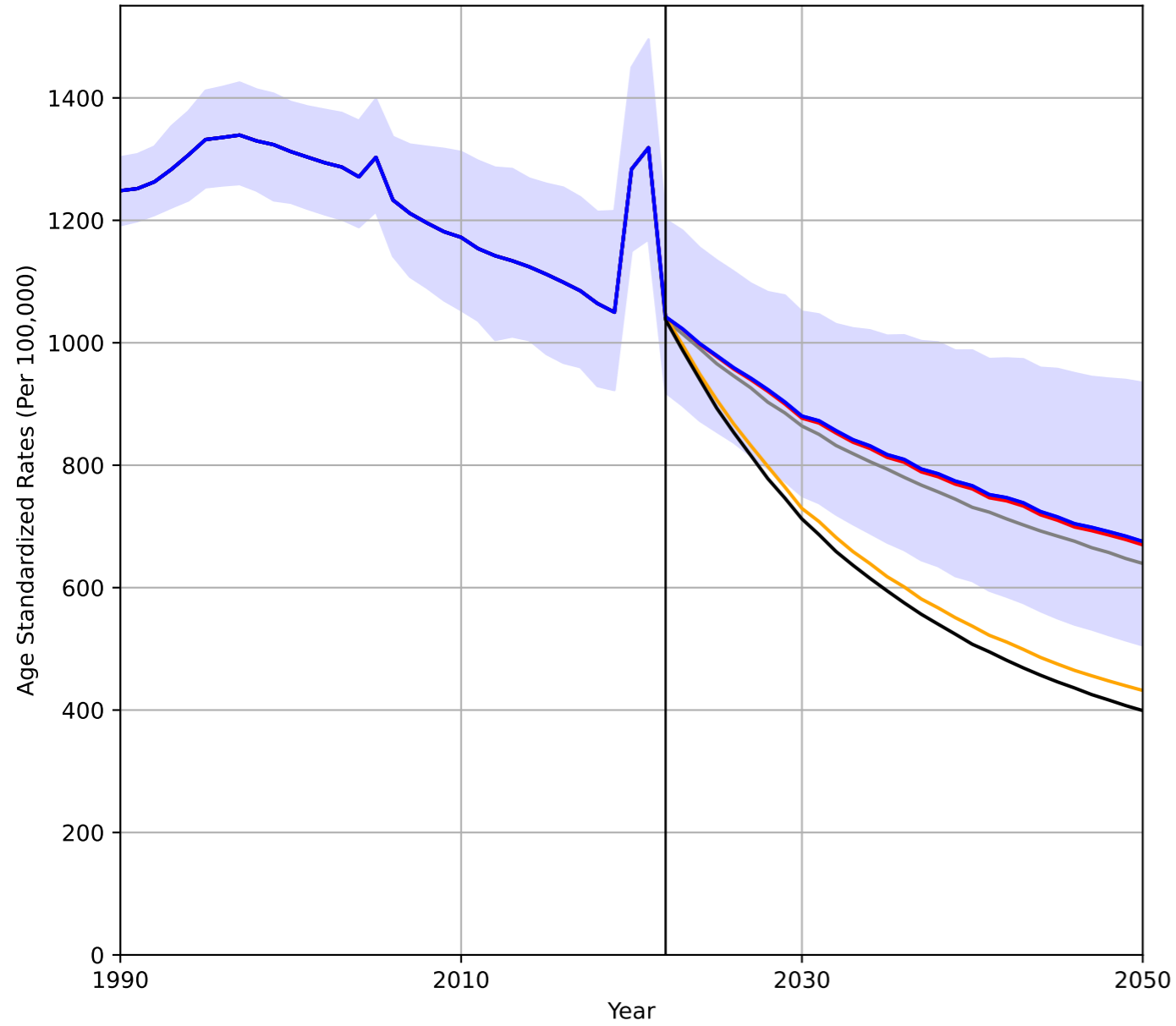
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# Pakistan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1767

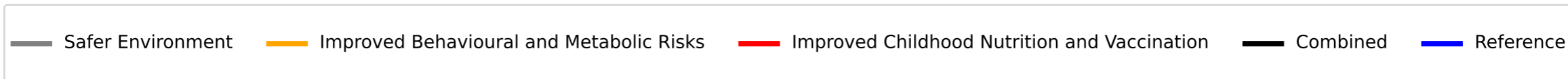
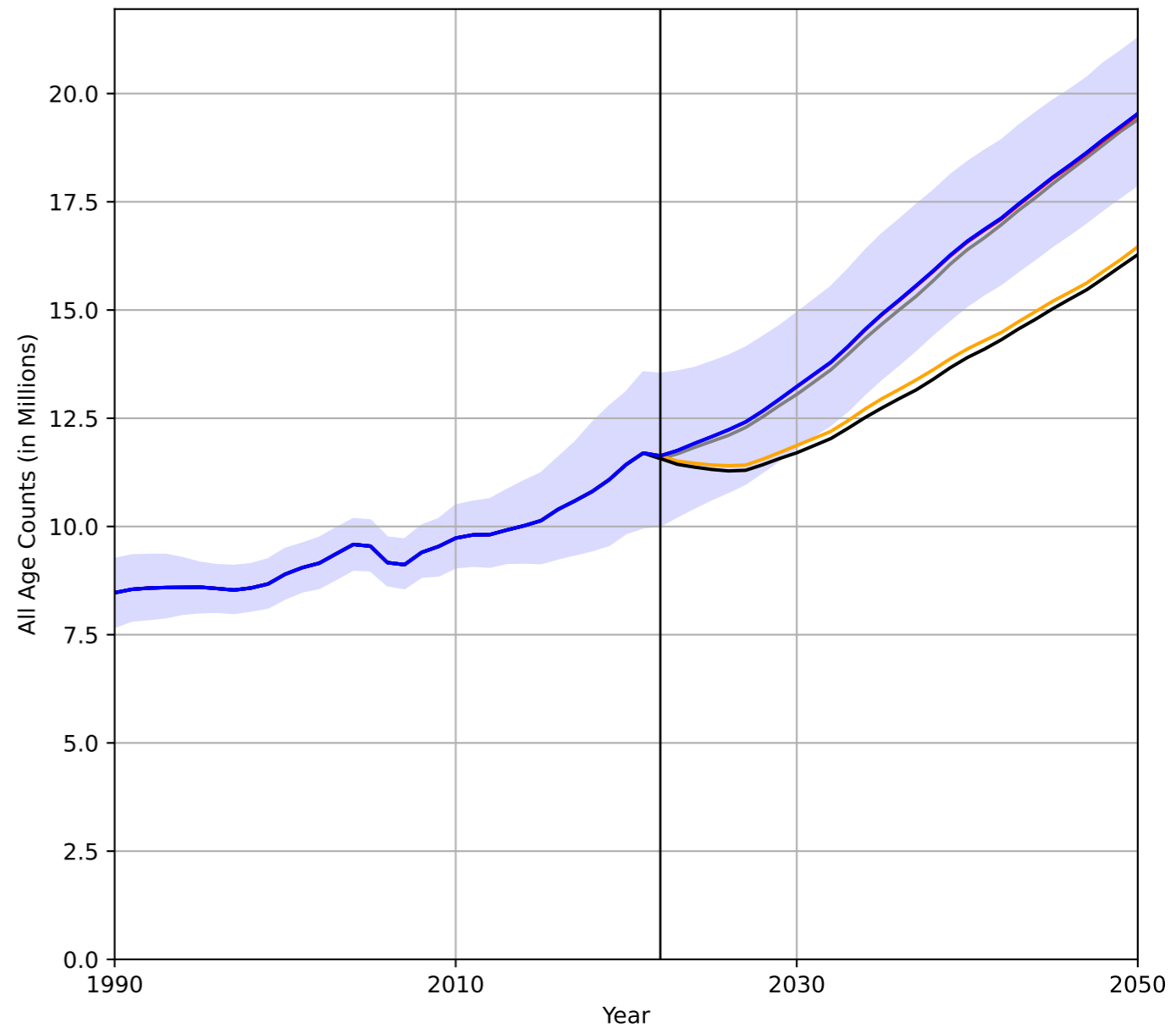
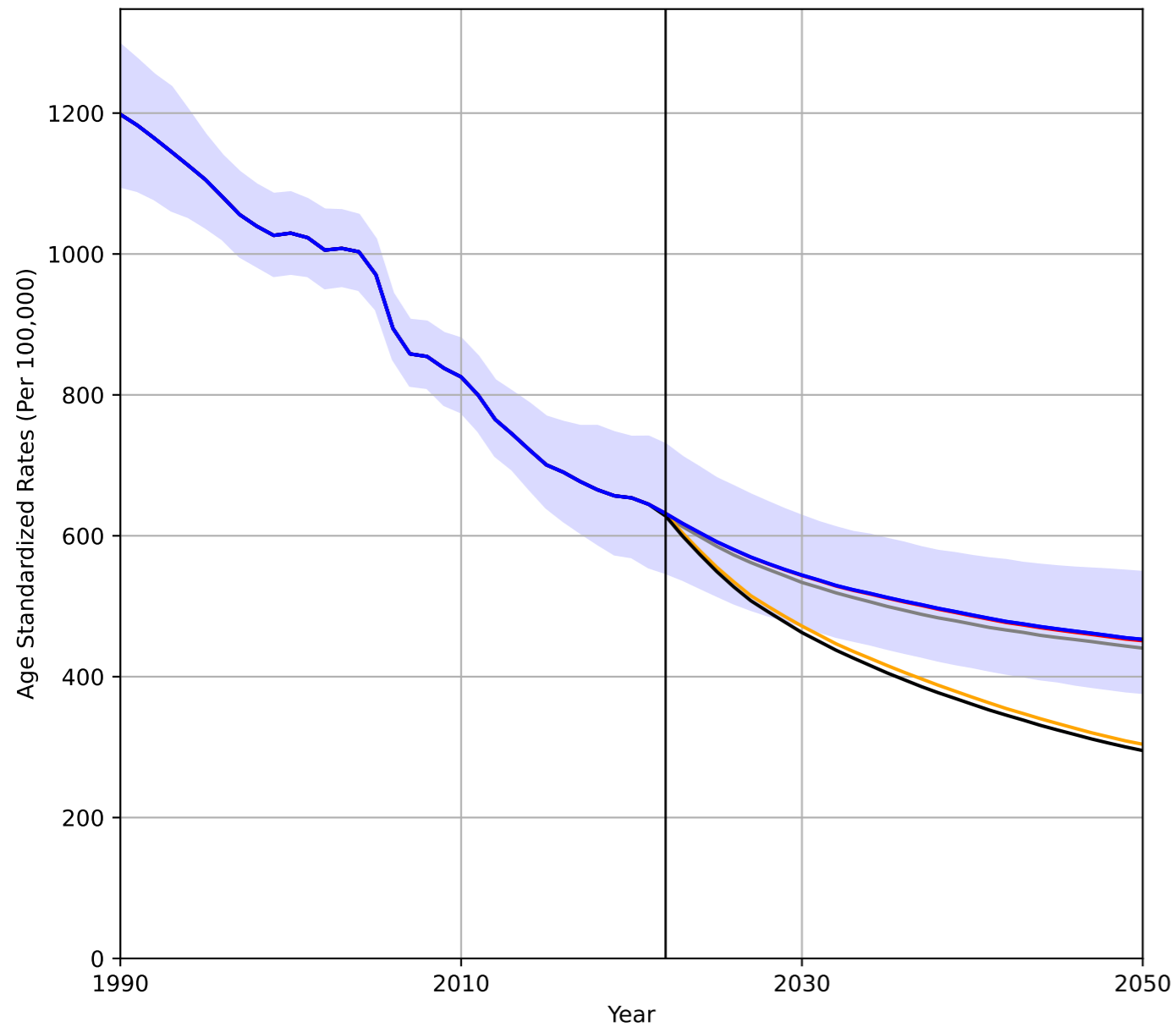




# China

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

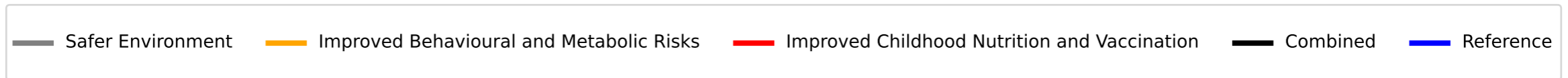
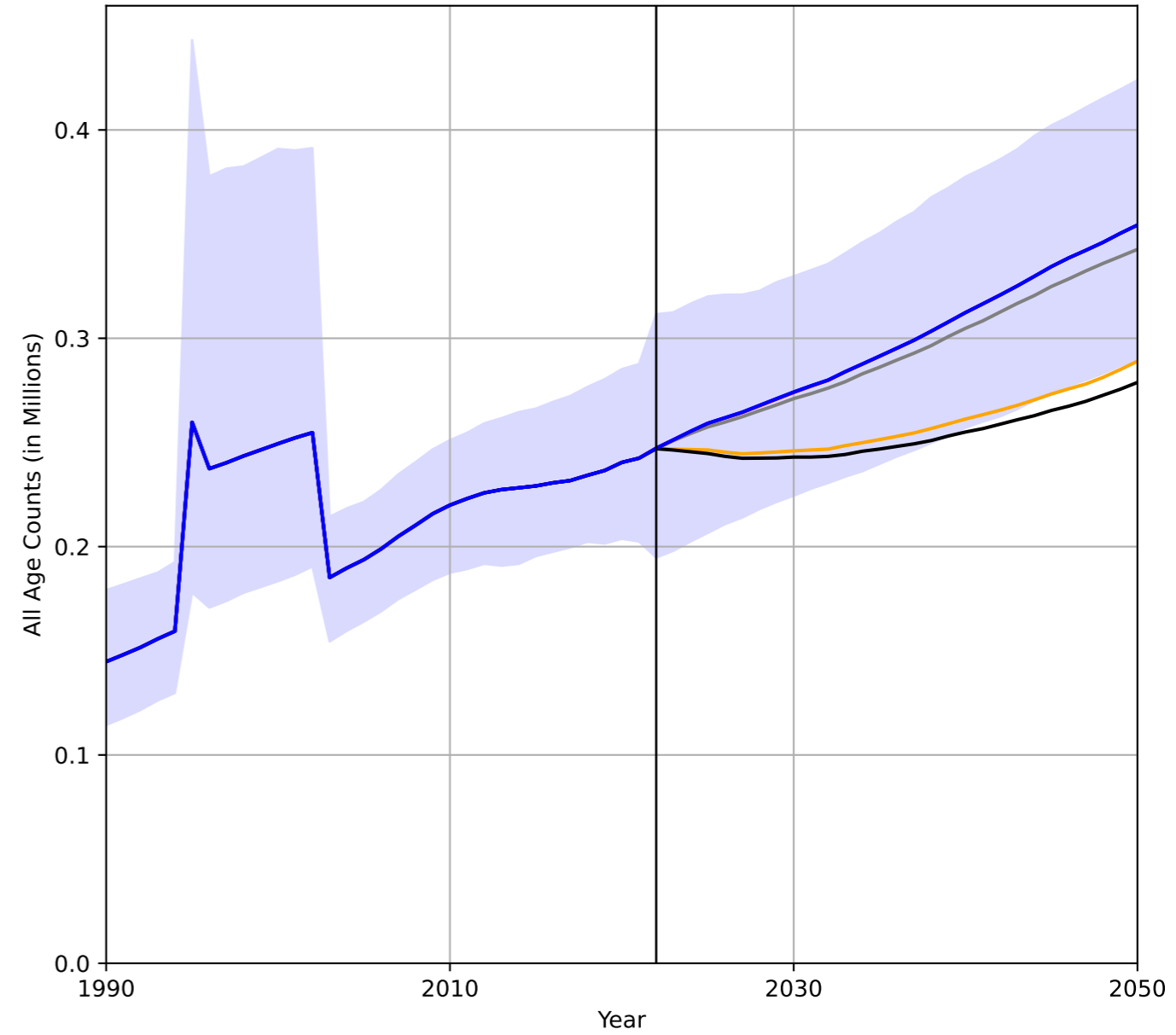
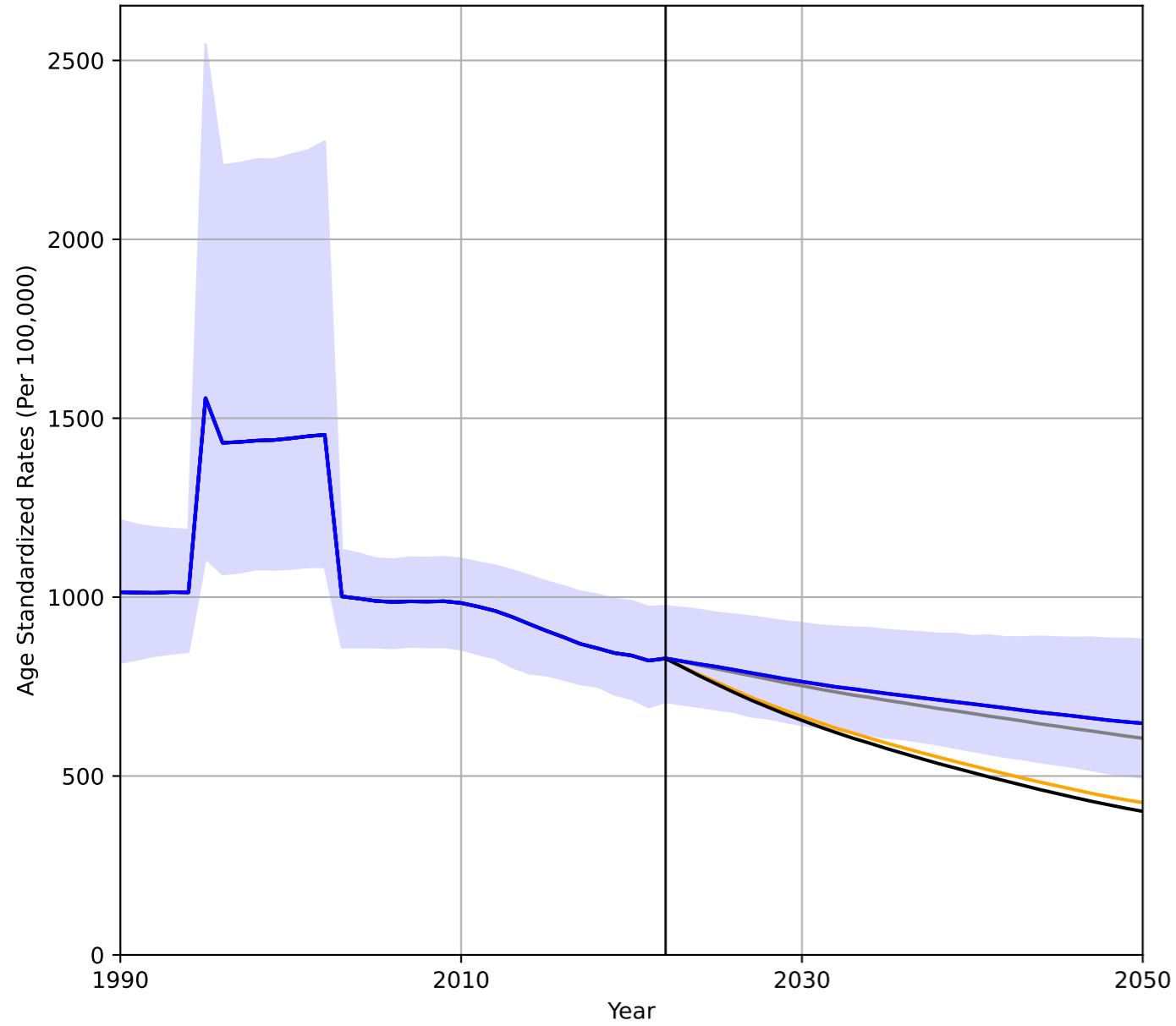
1768



# North Korea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

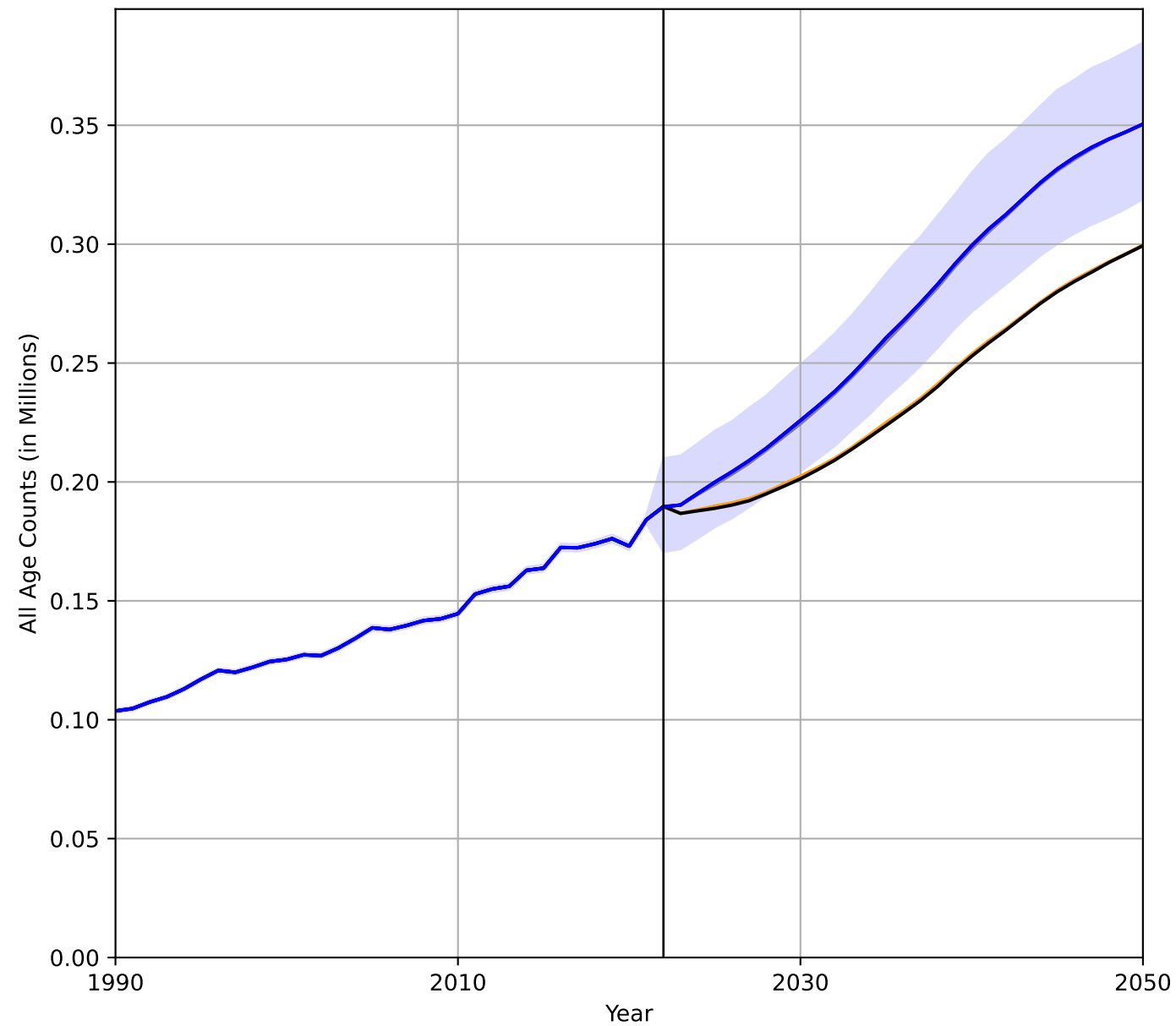
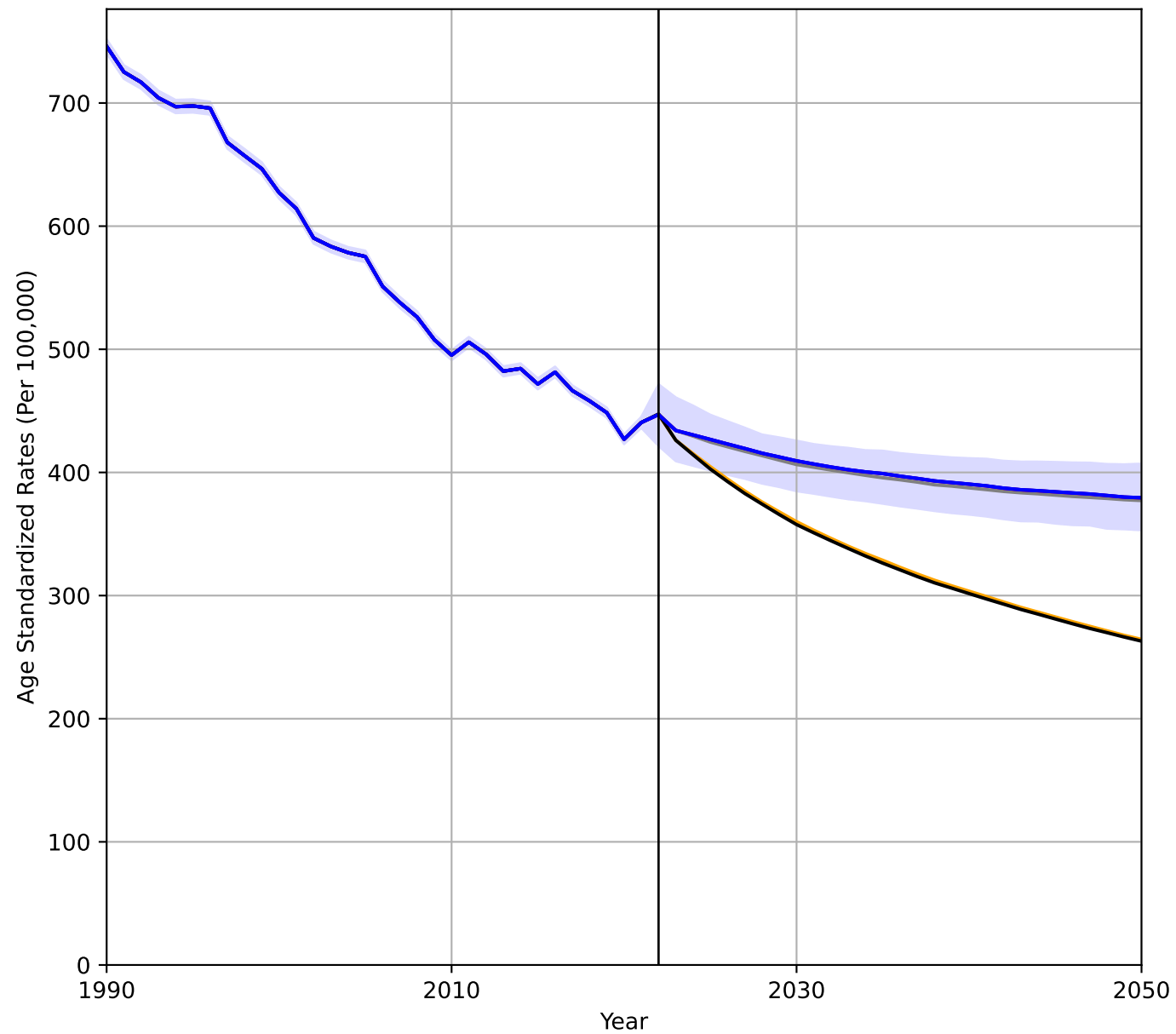
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# Taiwan (Province Of China)

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

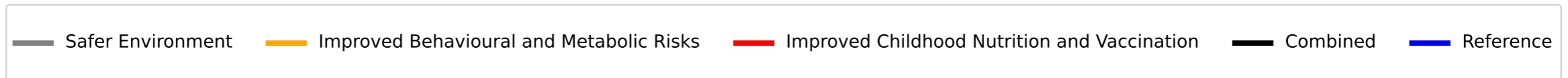
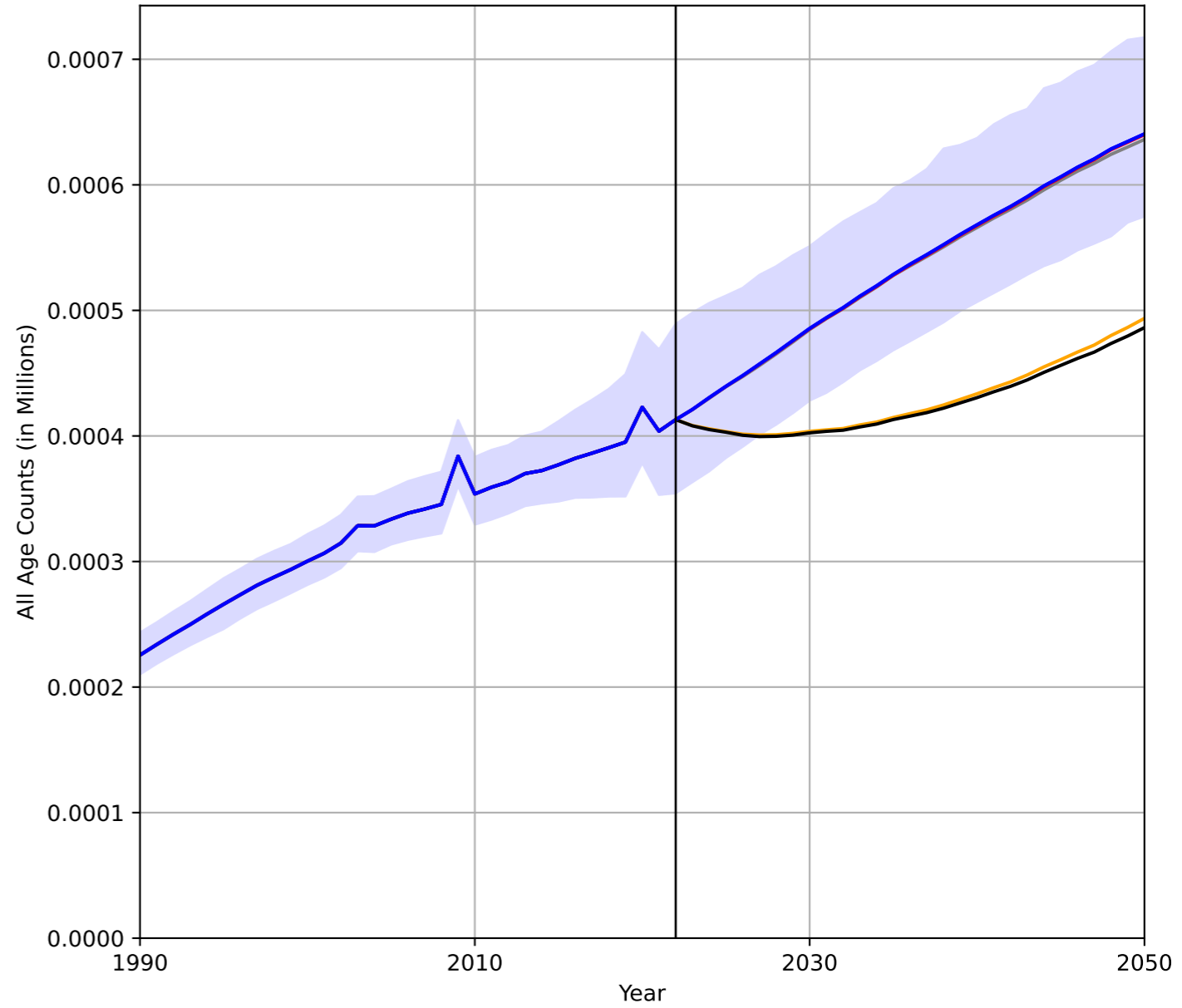
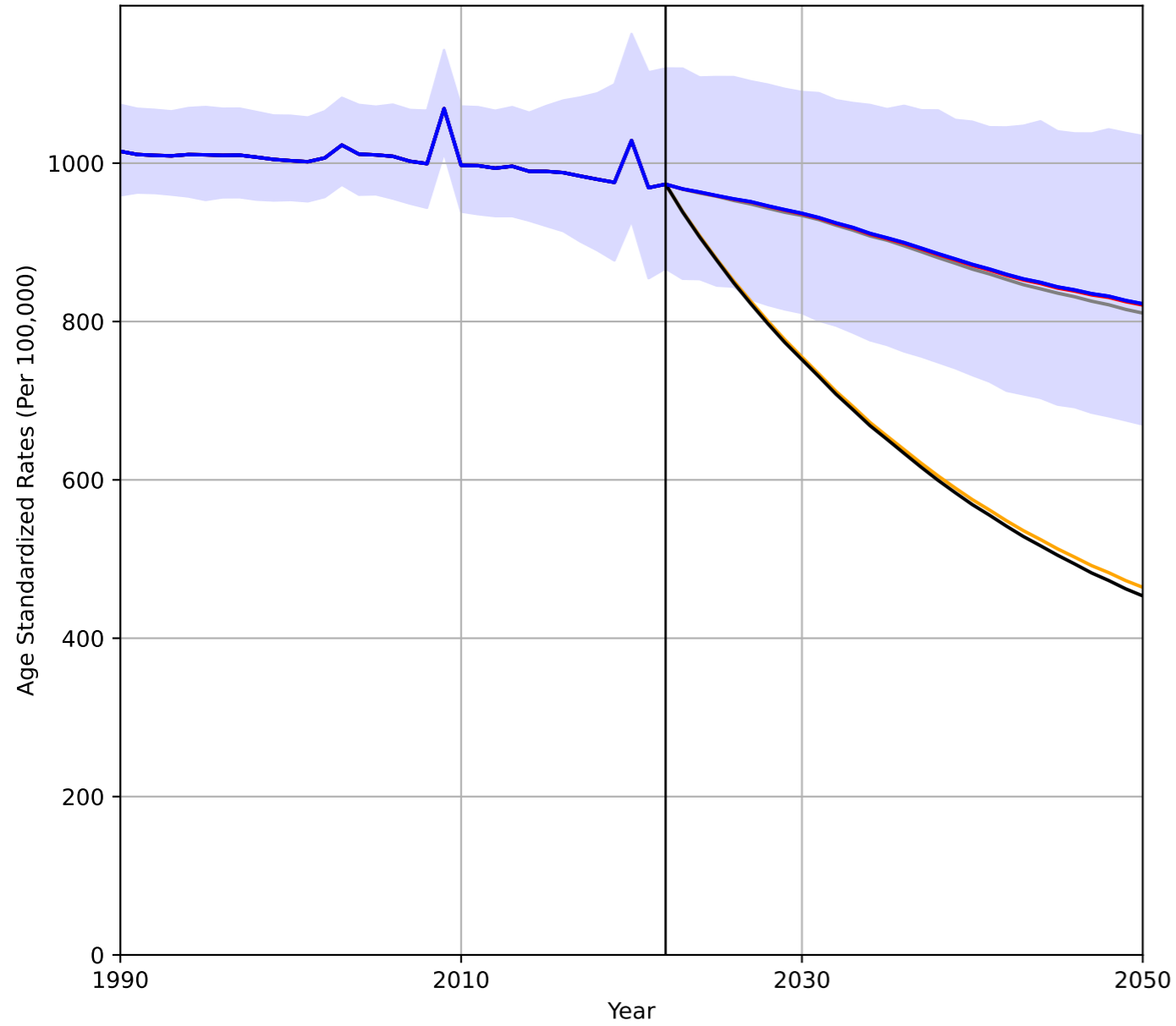
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# American Samoa

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

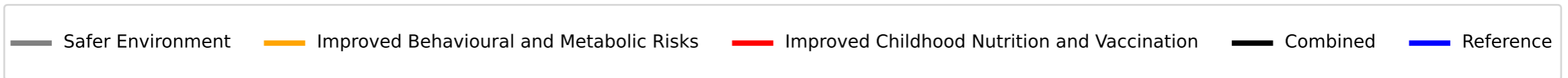
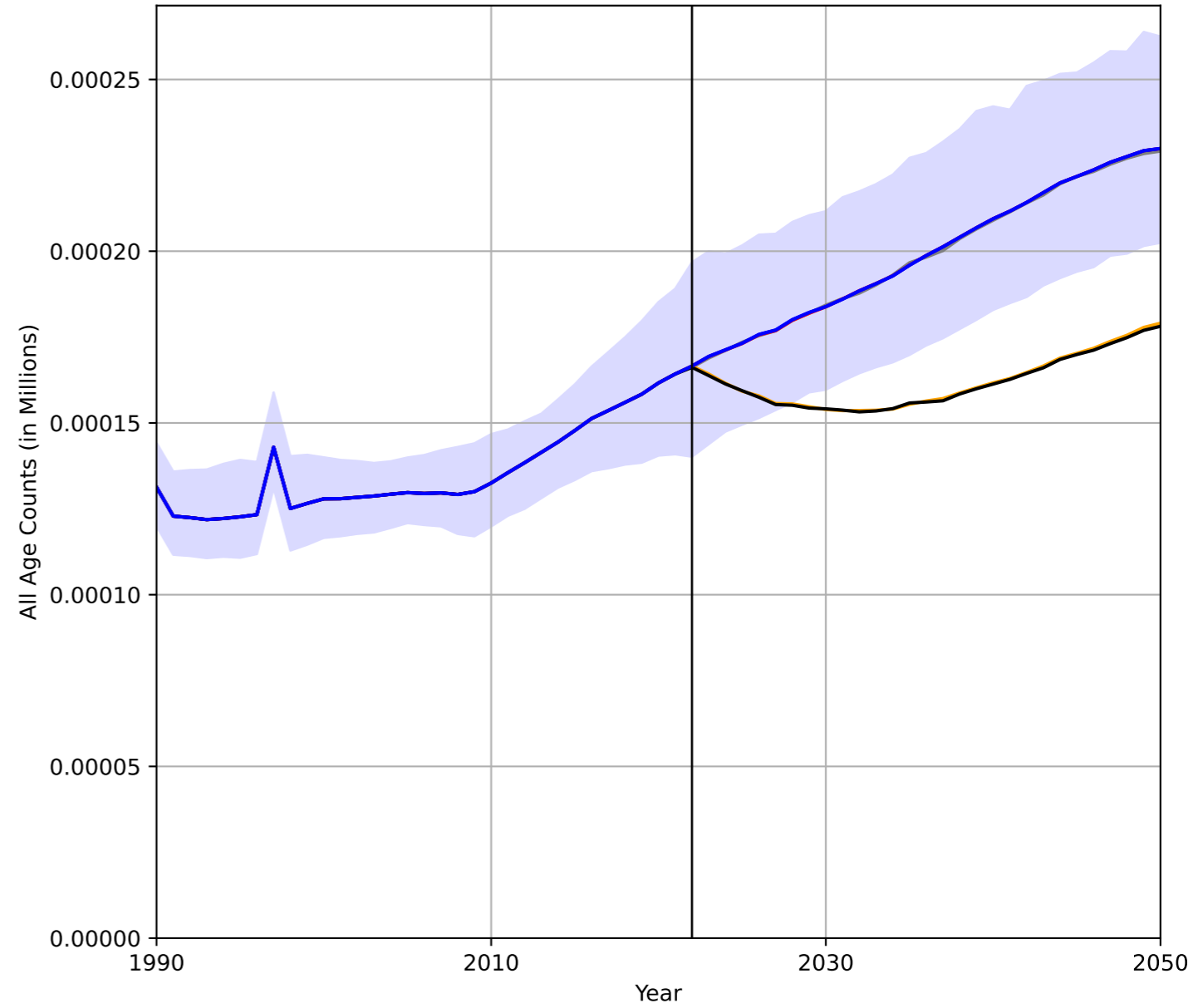
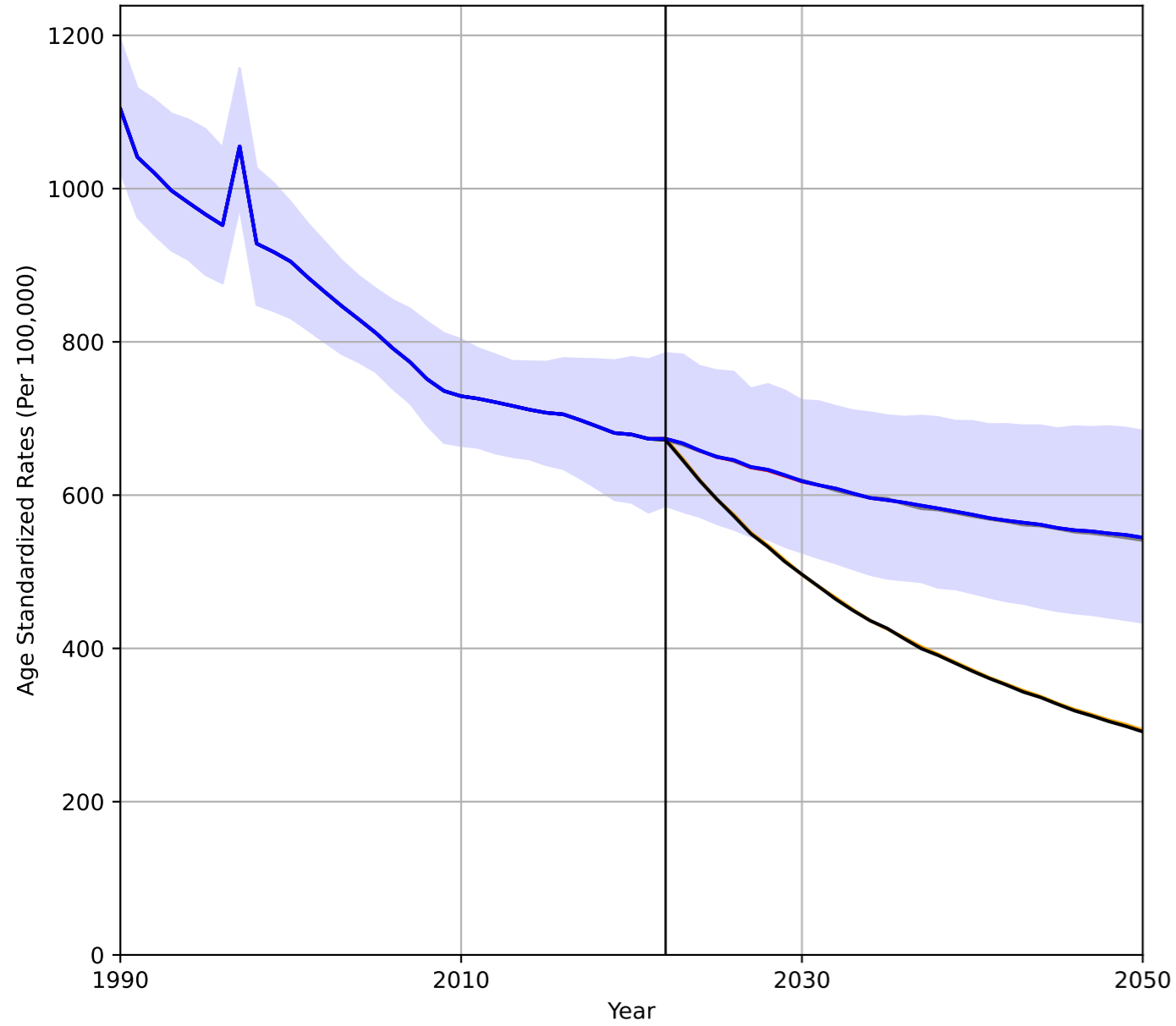
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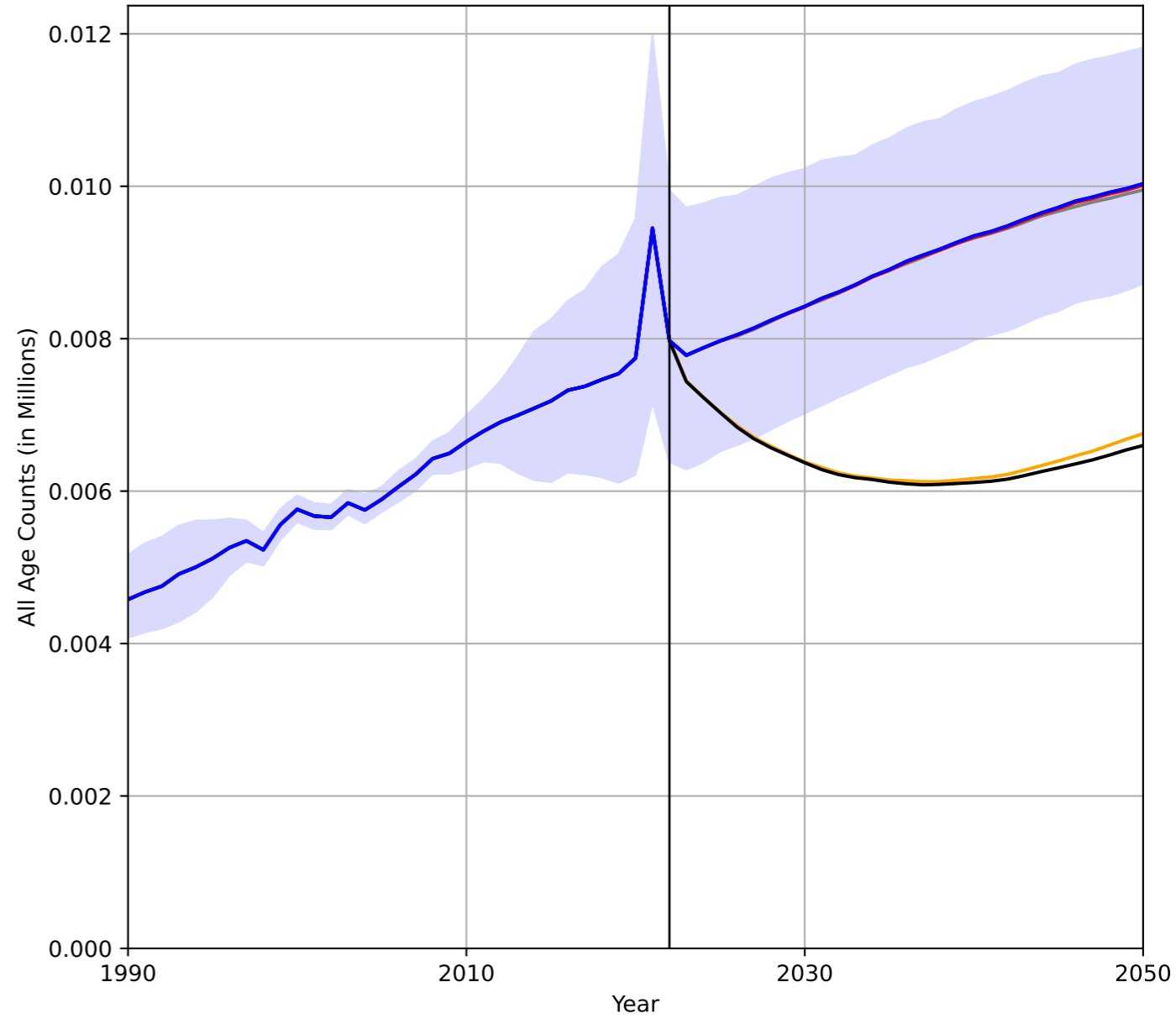
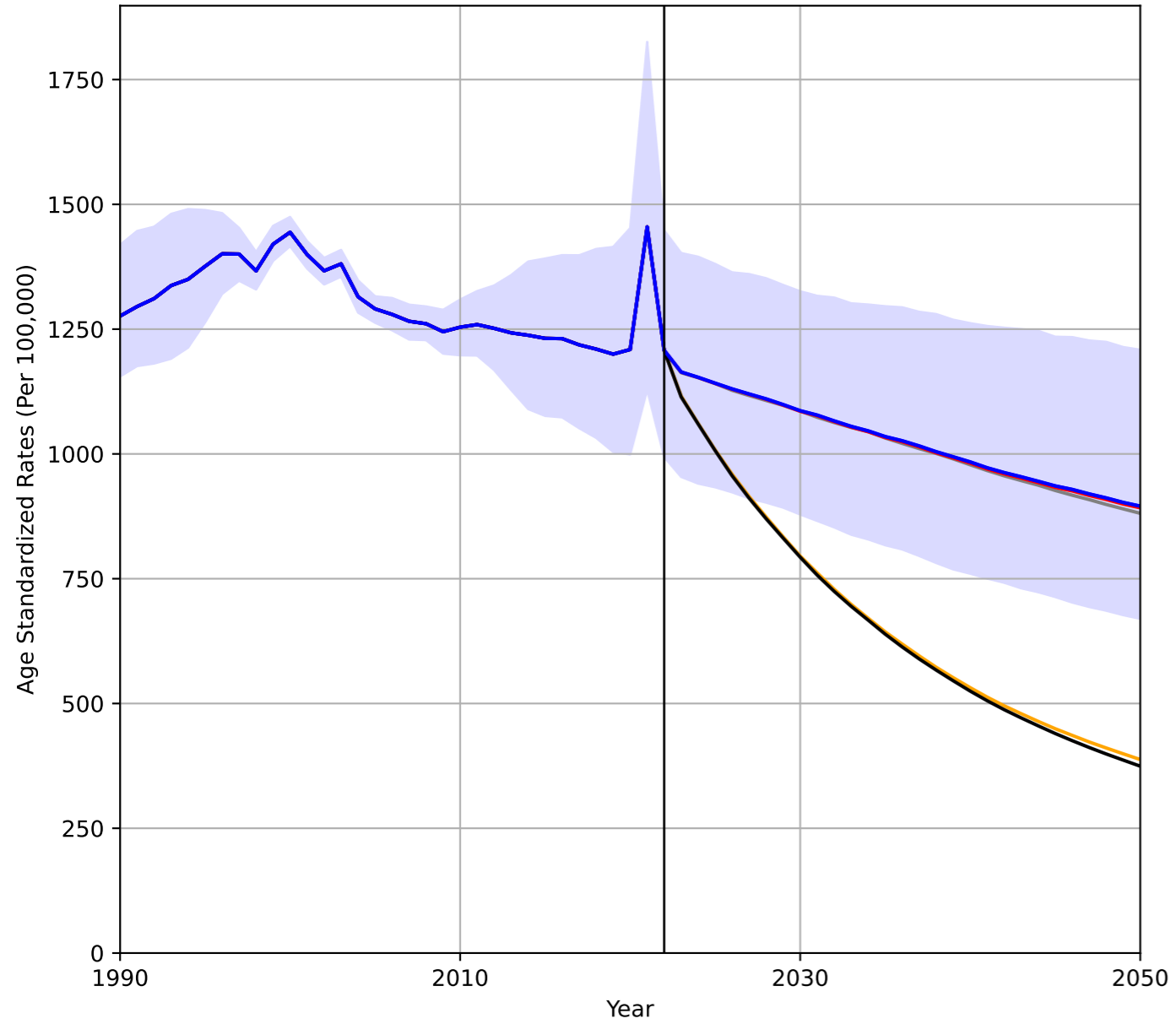
# Cook Islands

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1772



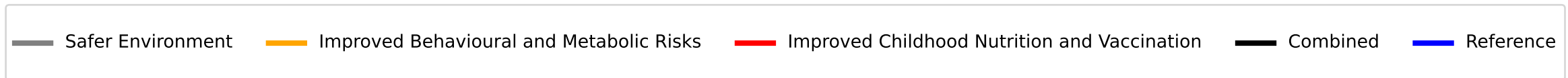
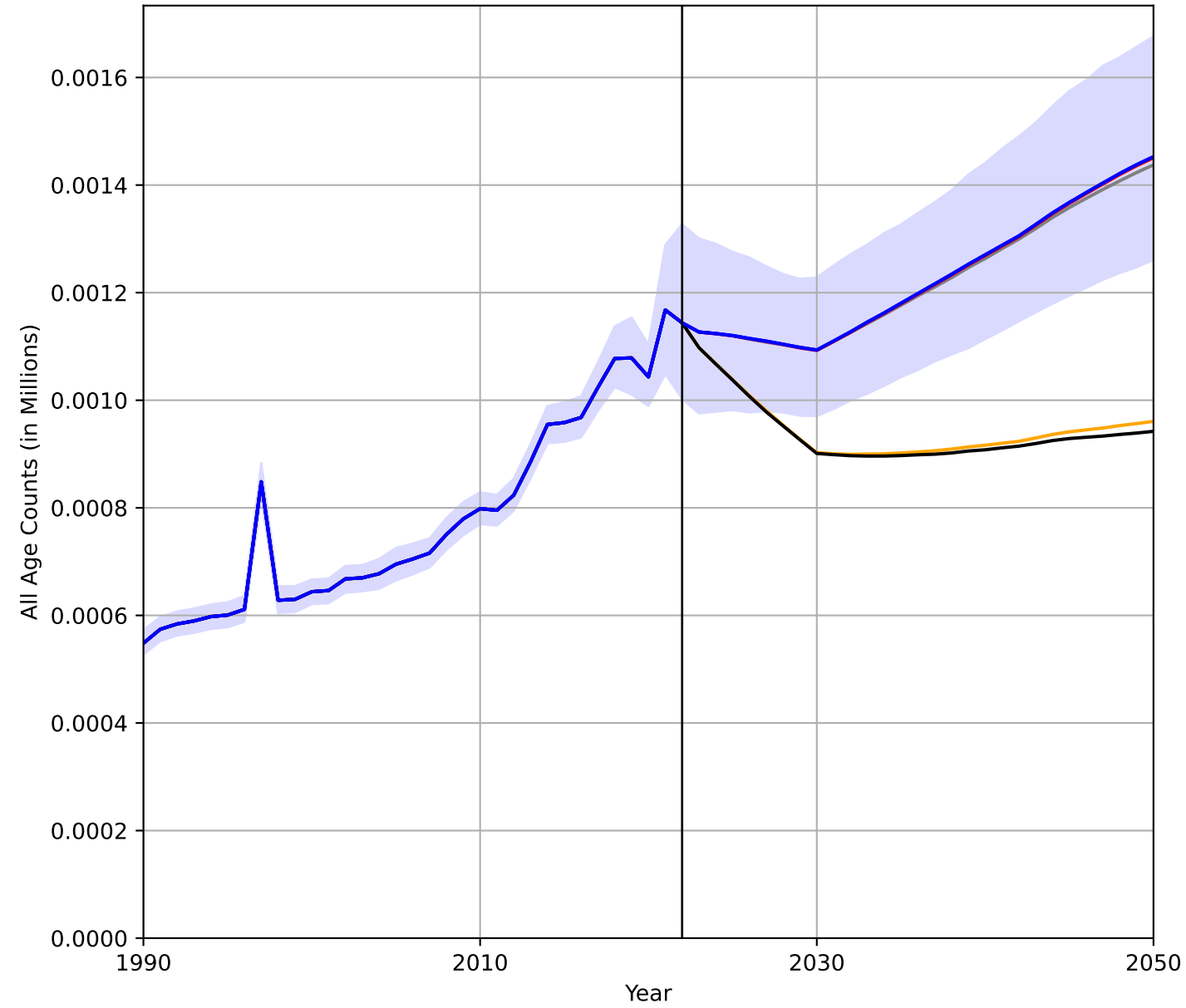
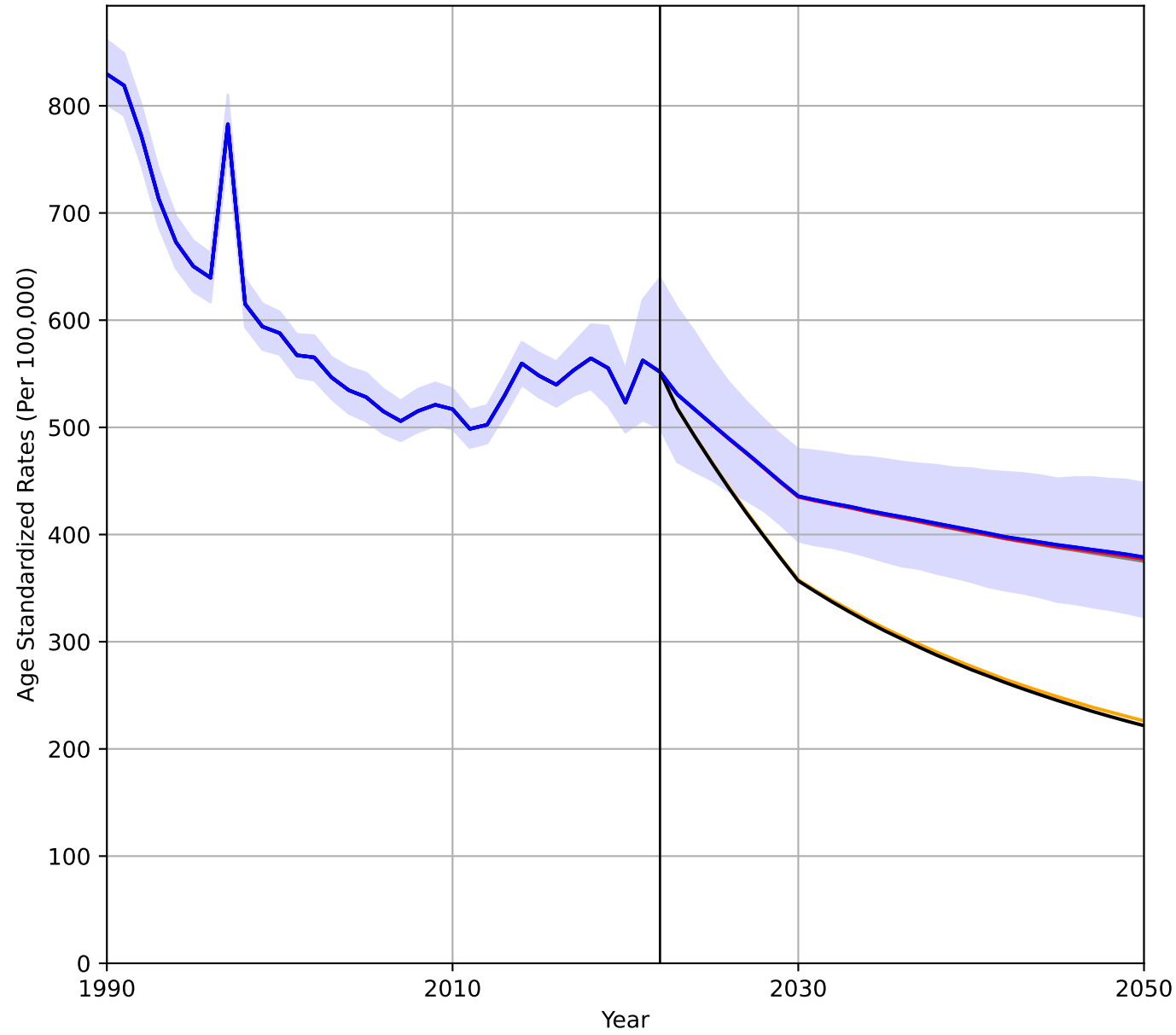
# Fiji



# Guam

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

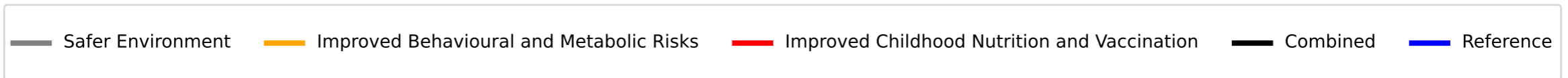
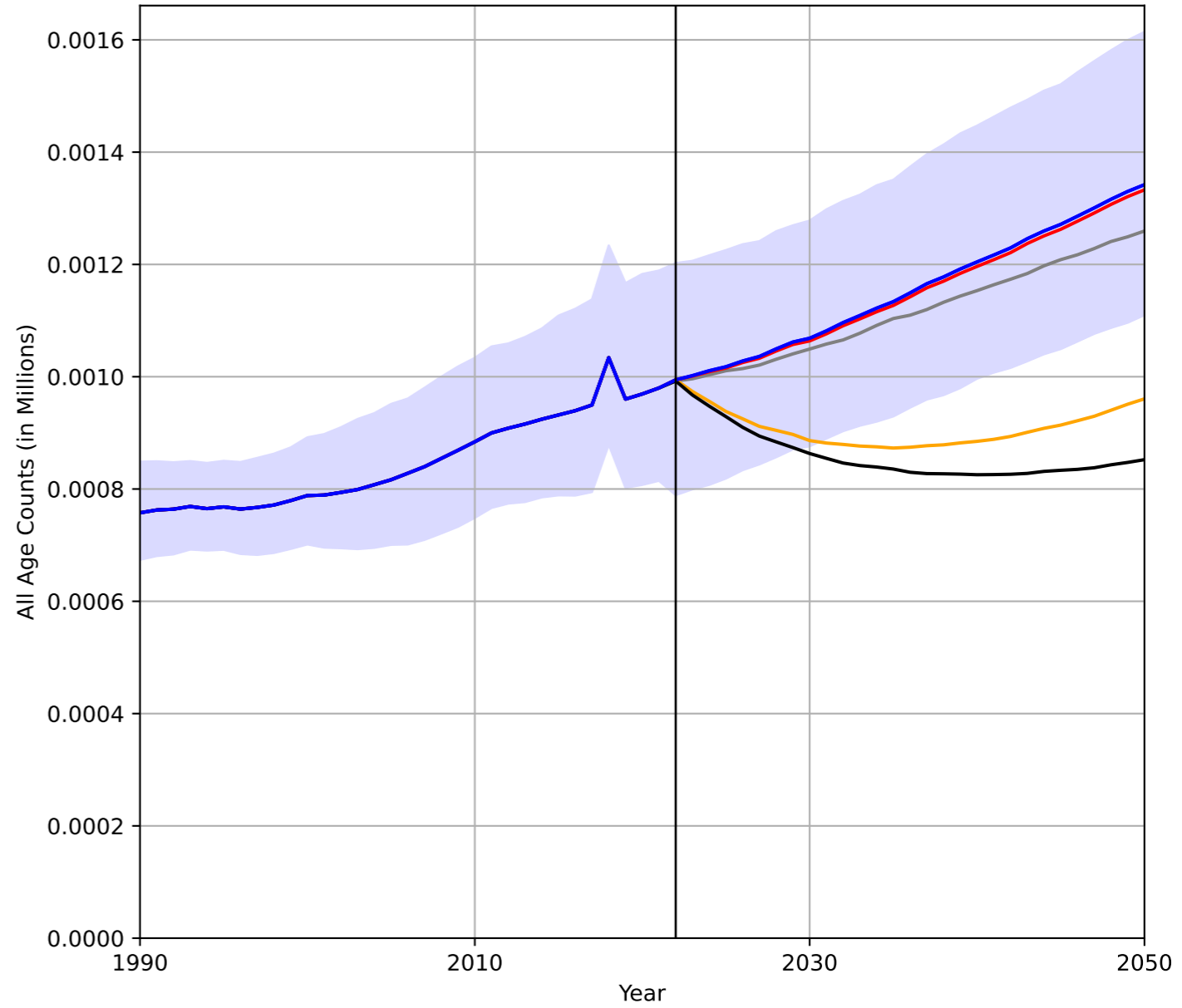
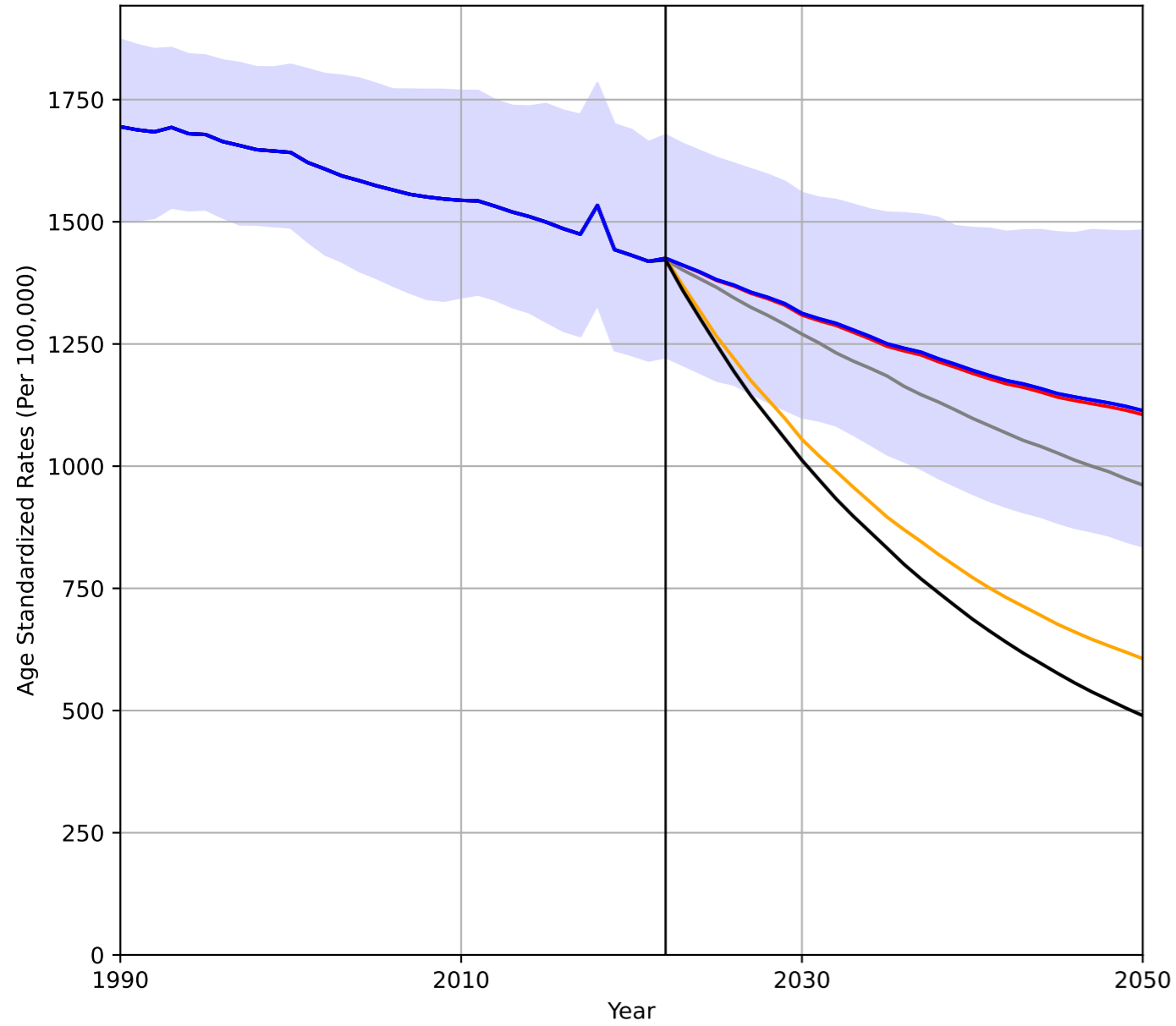
1774



# Kiribati

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1775

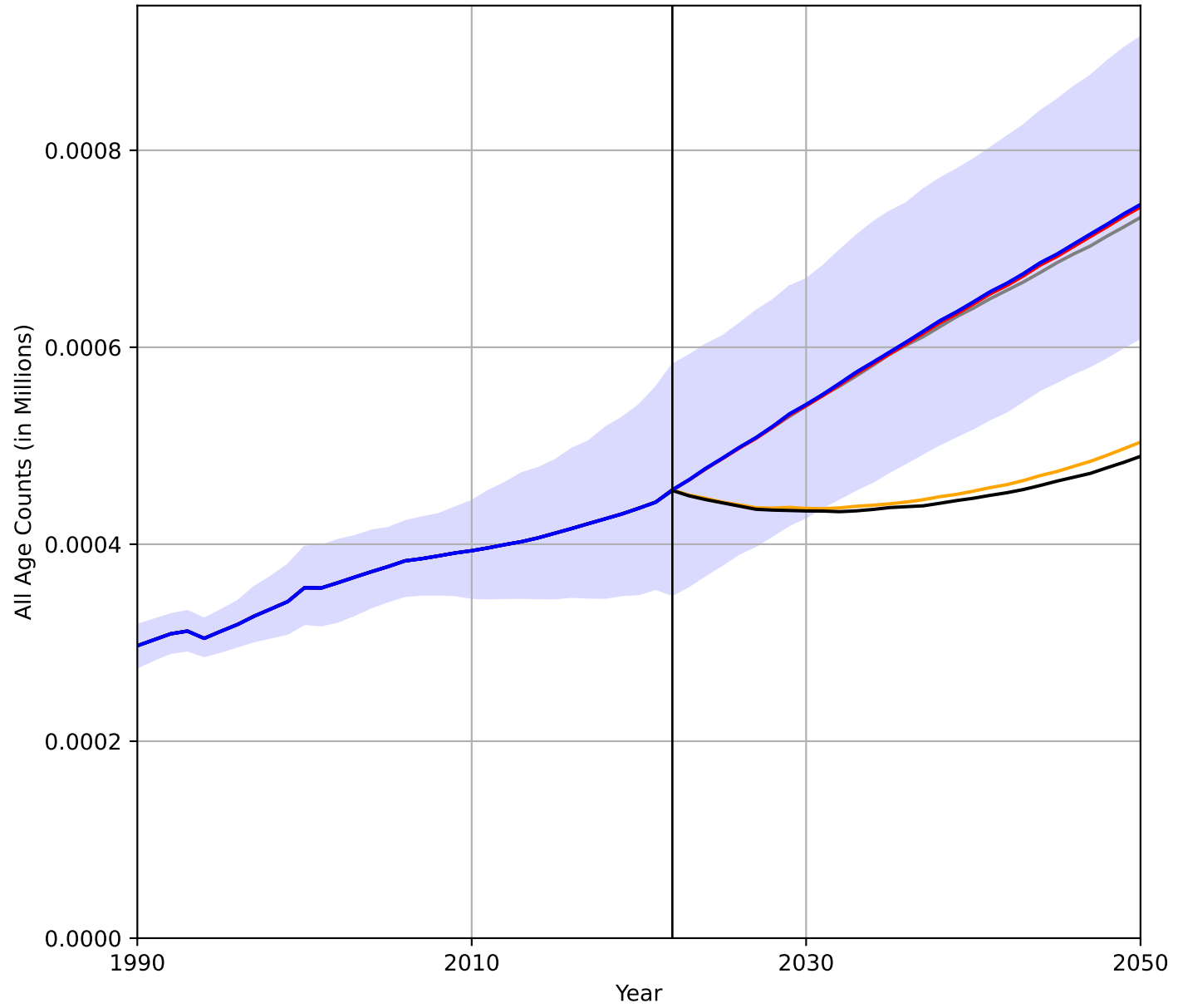
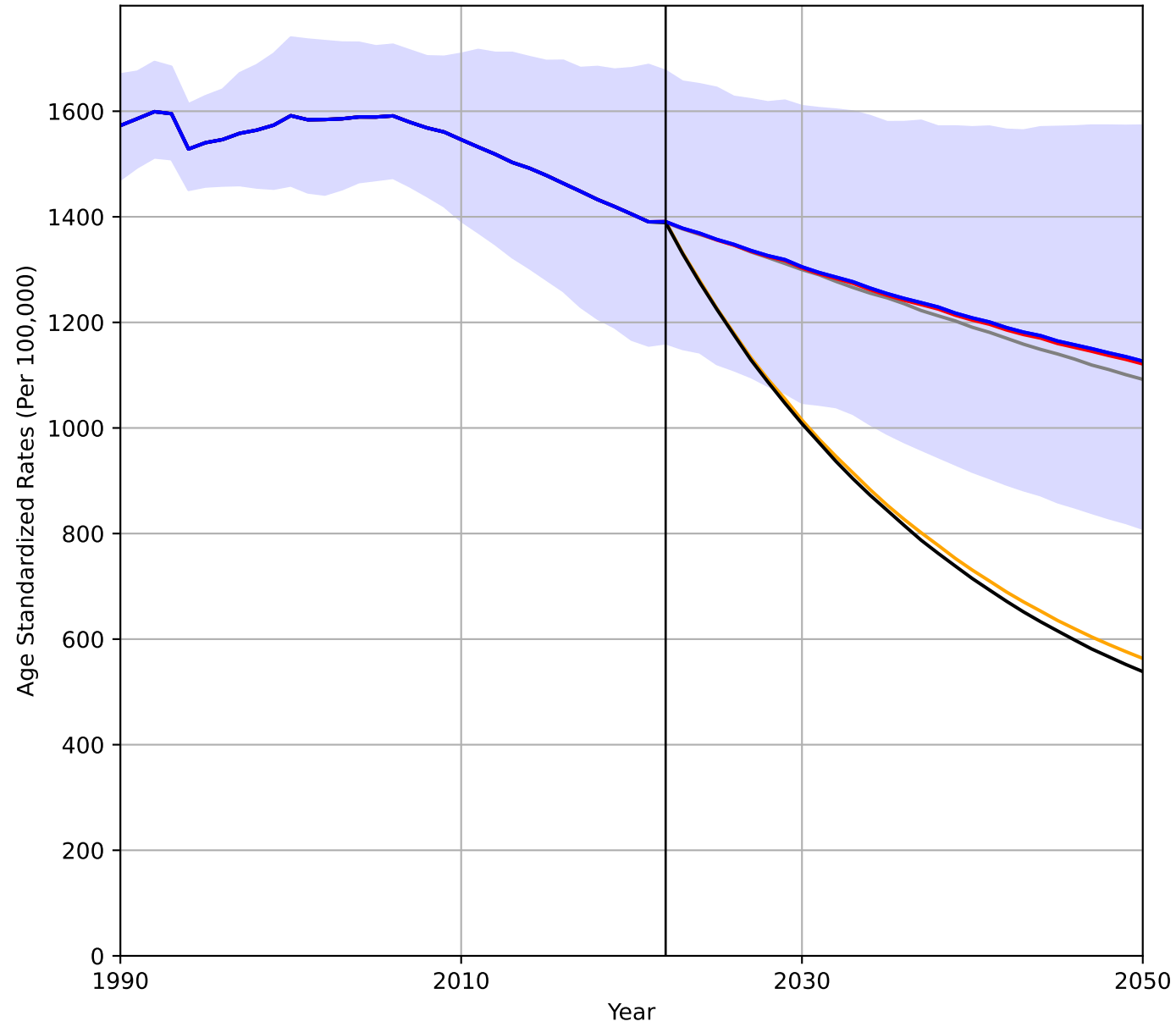




# Marshall Islands

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

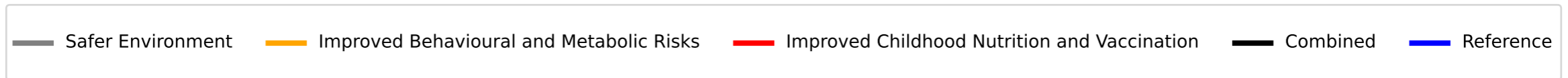
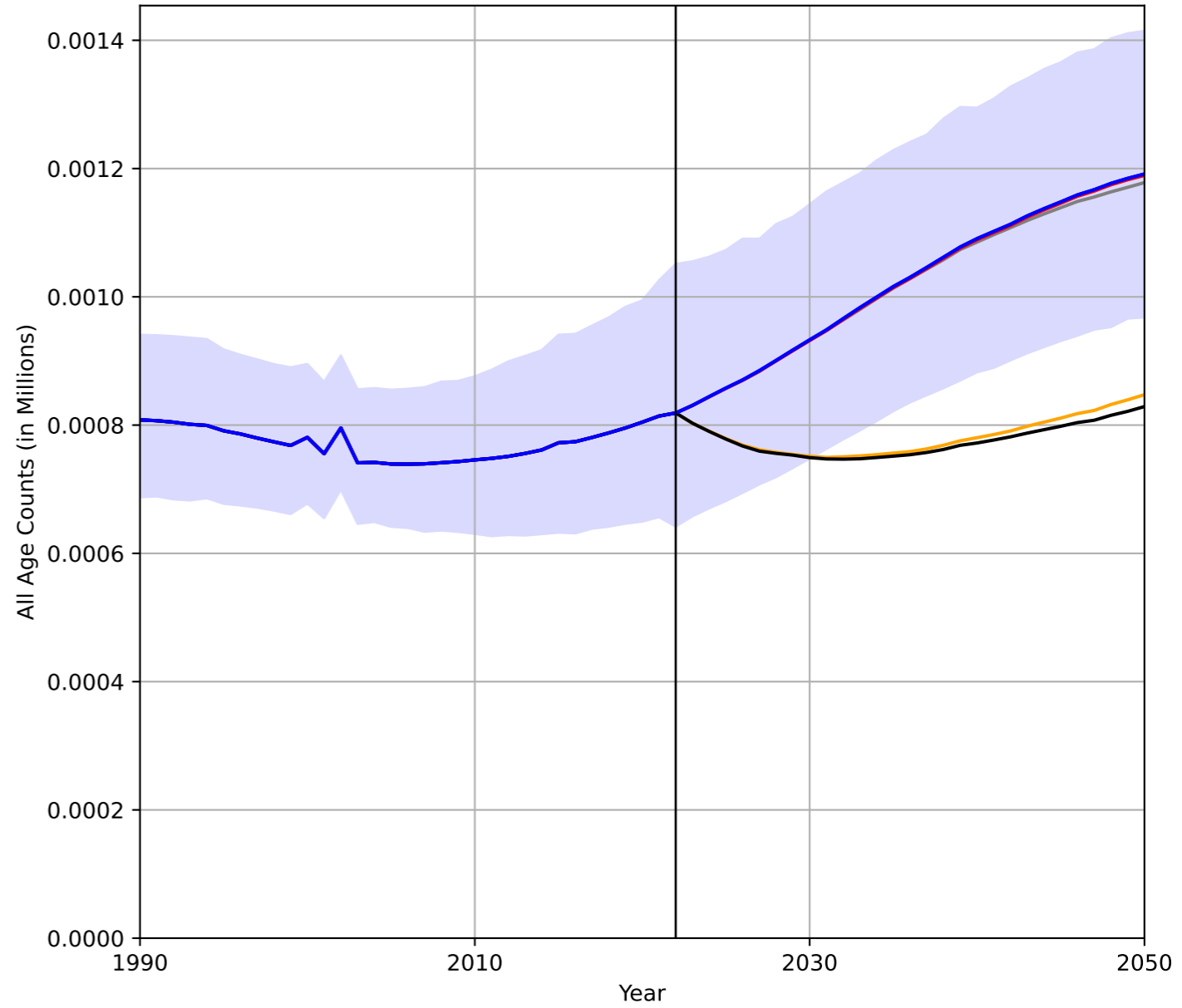
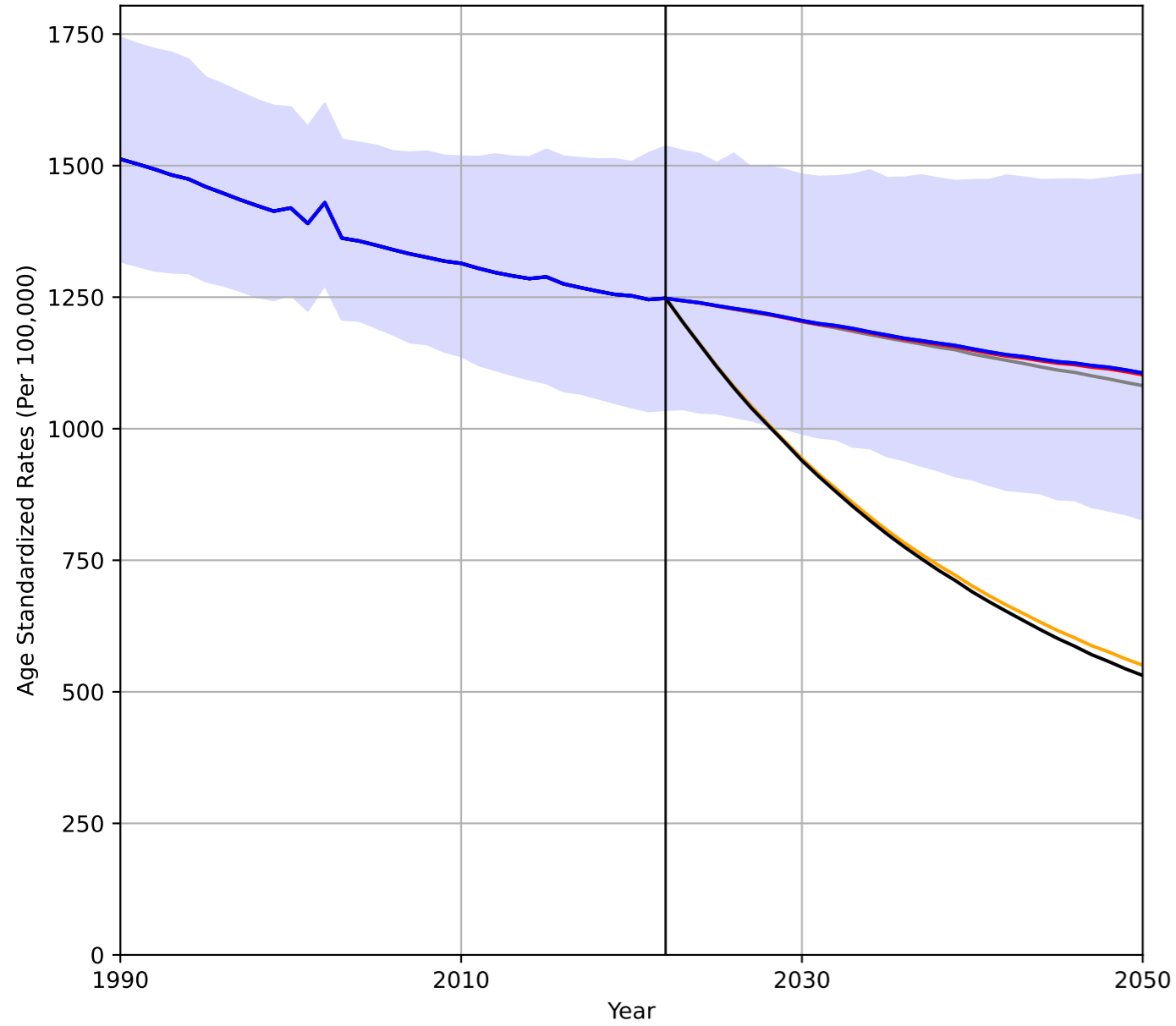
1776



# Federated States Of Micronesia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

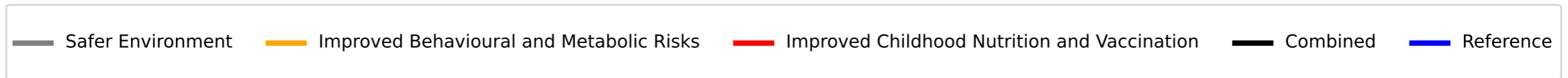
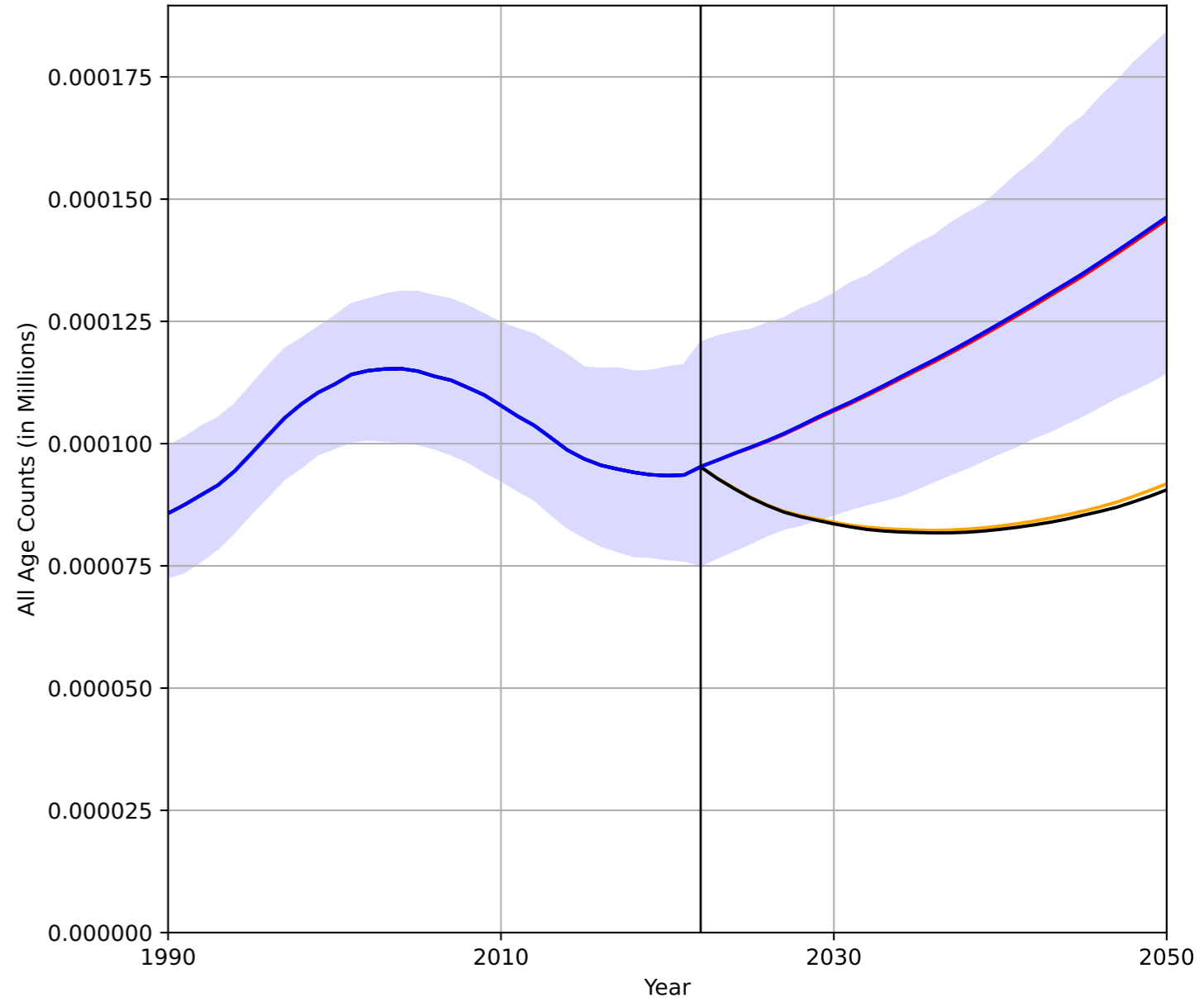
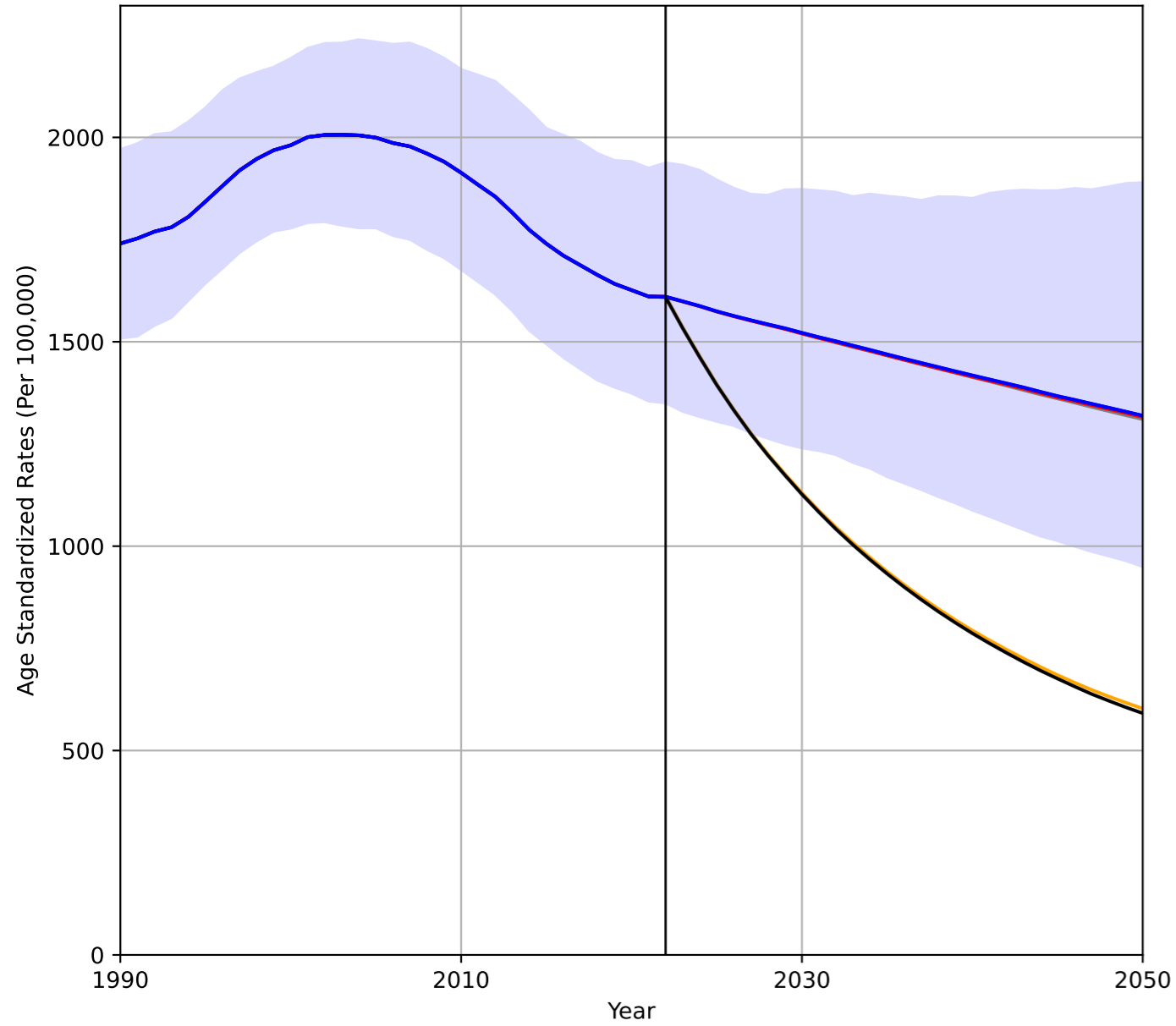
1777



# Nauru

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

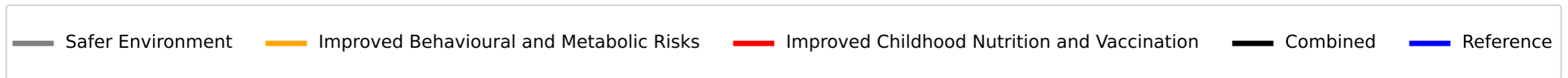
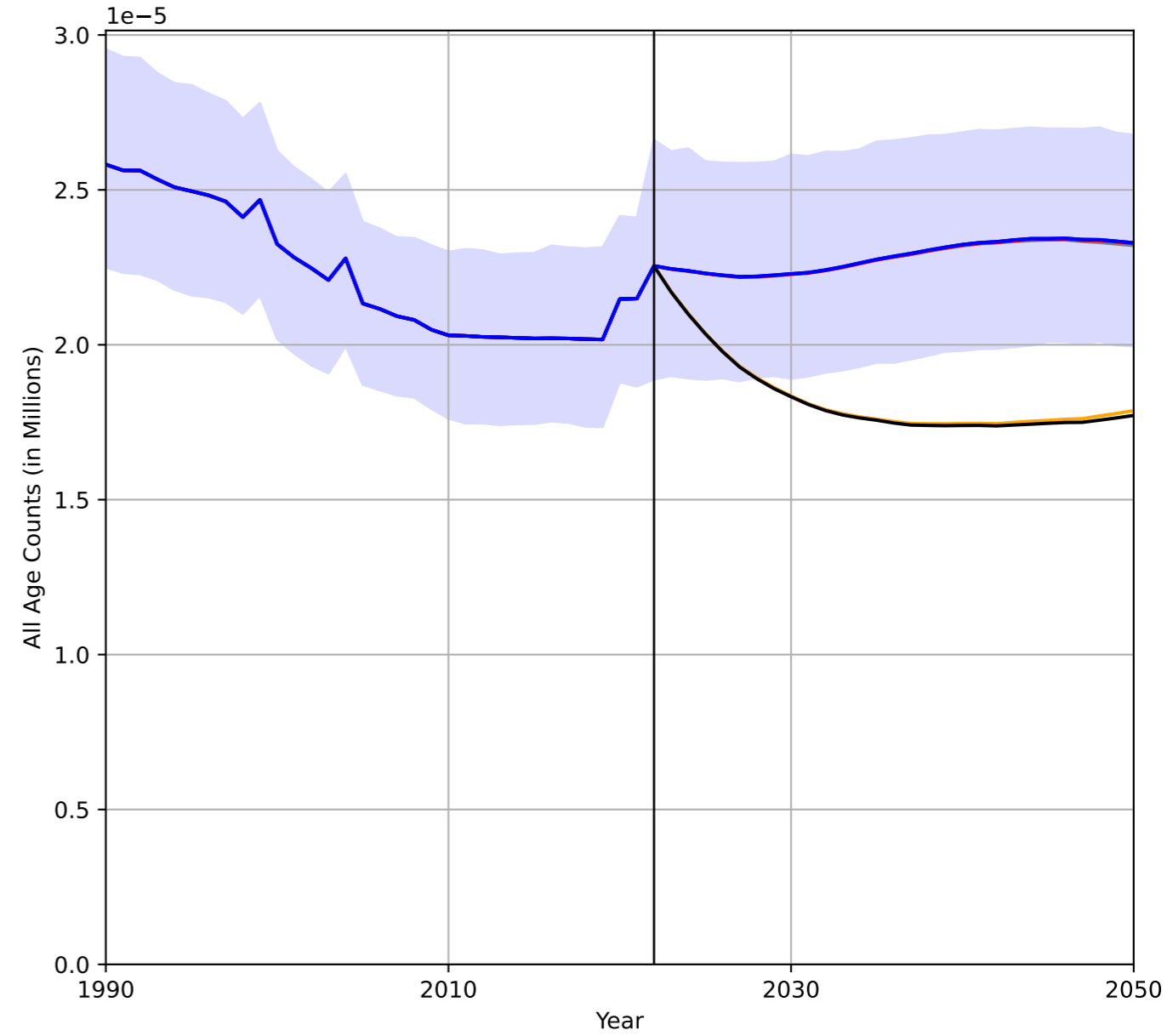
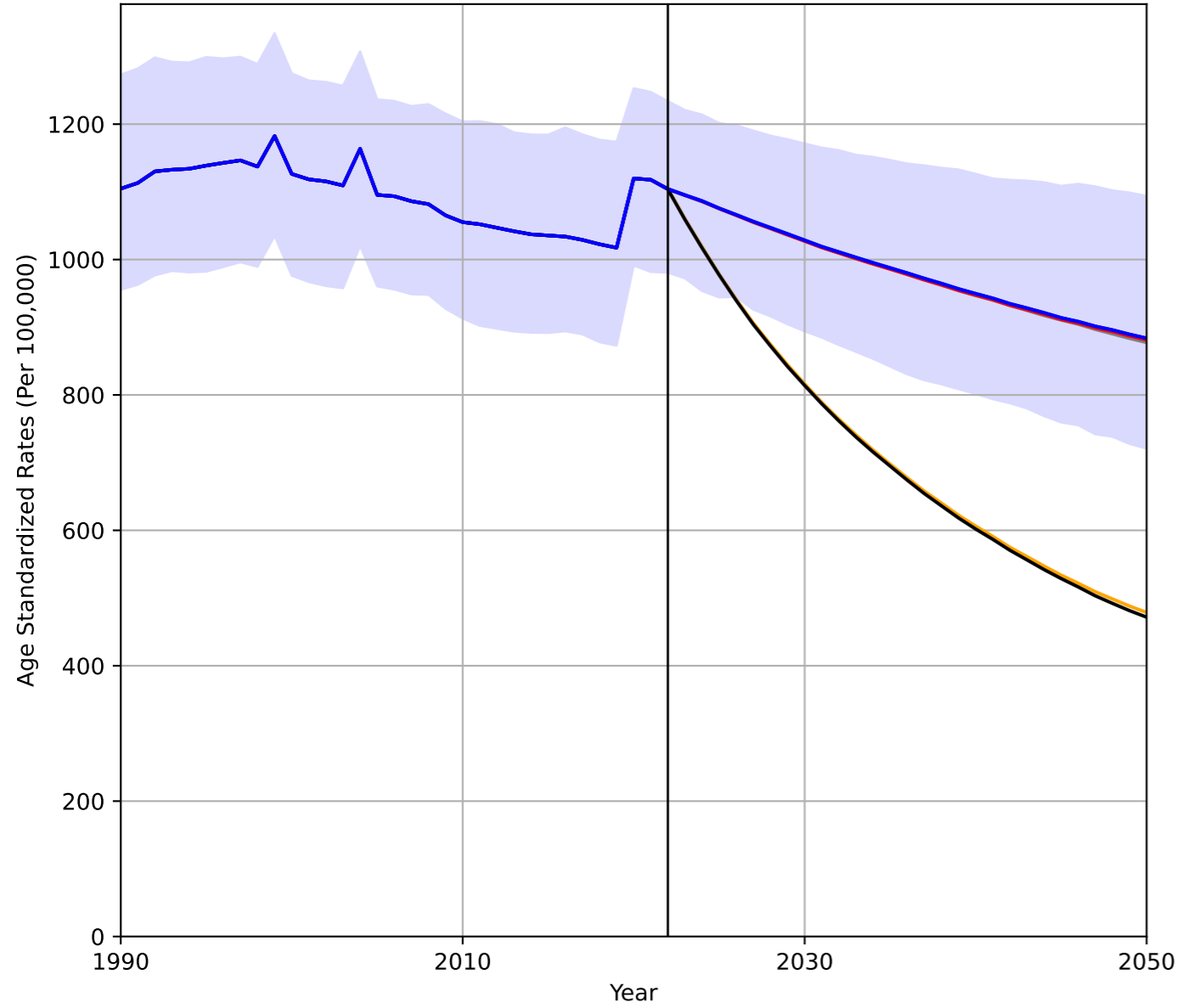
1778



# Niue

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

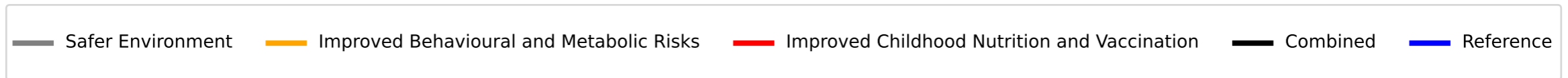
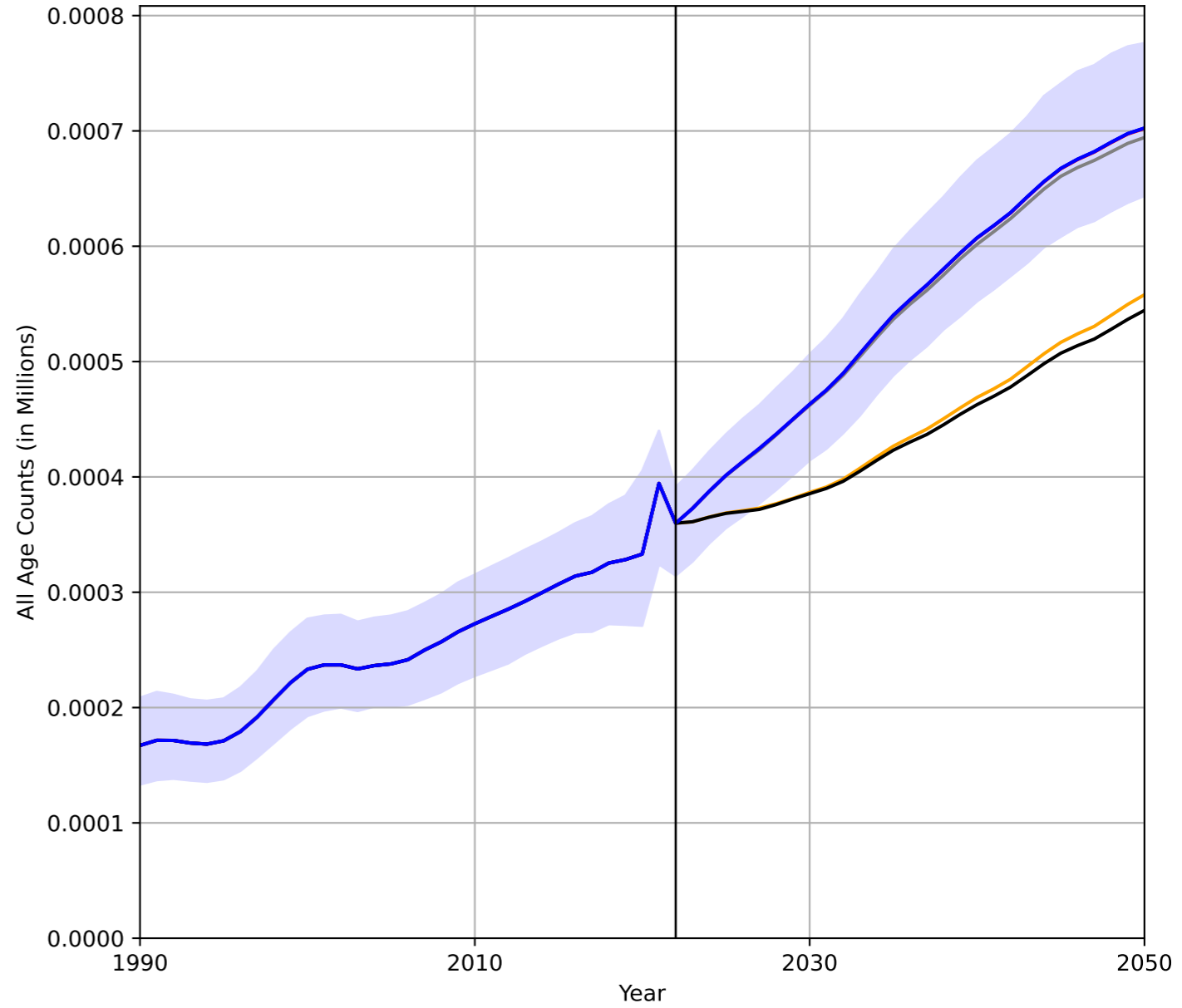
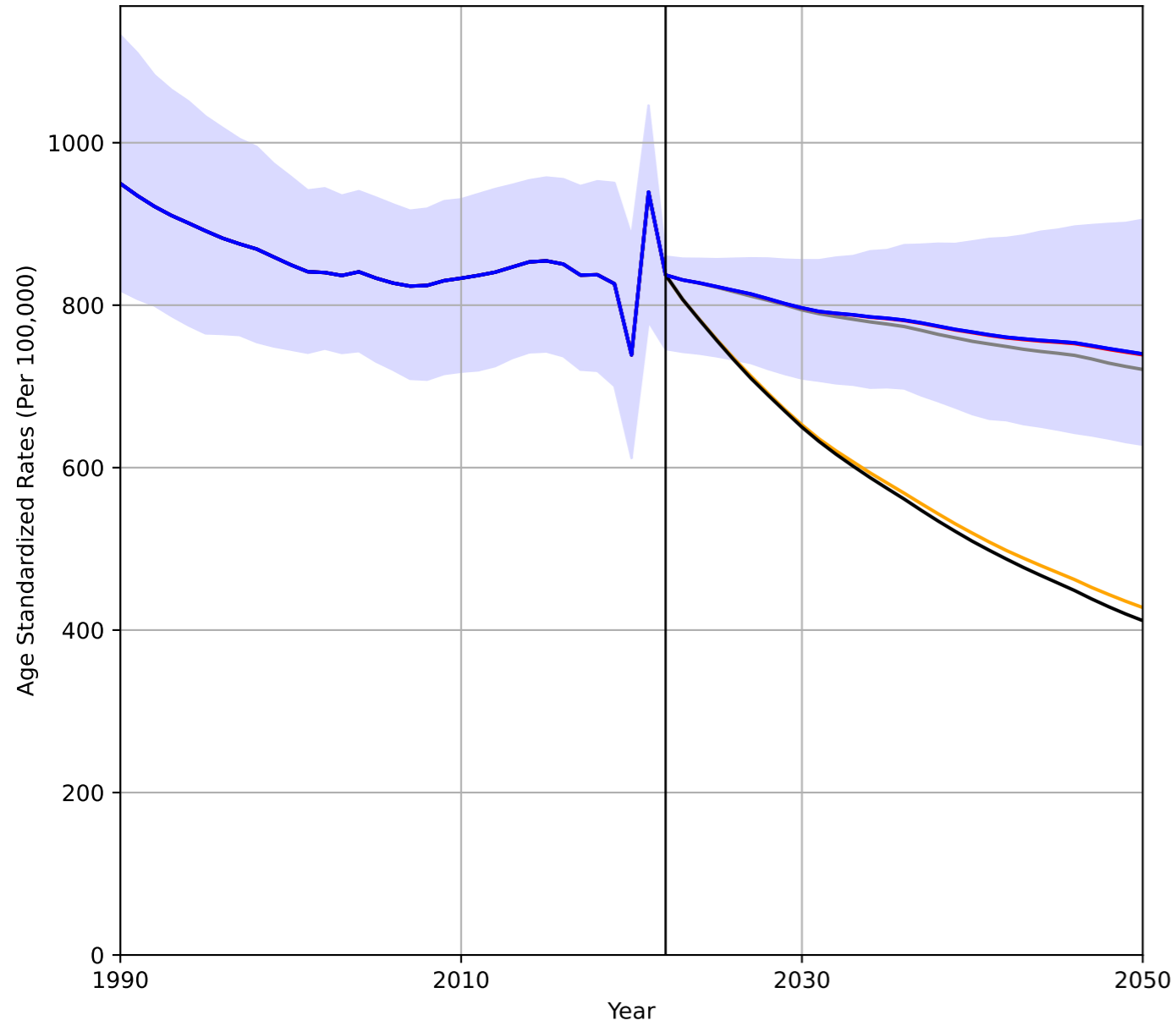
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# Northern Mariana Islands

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

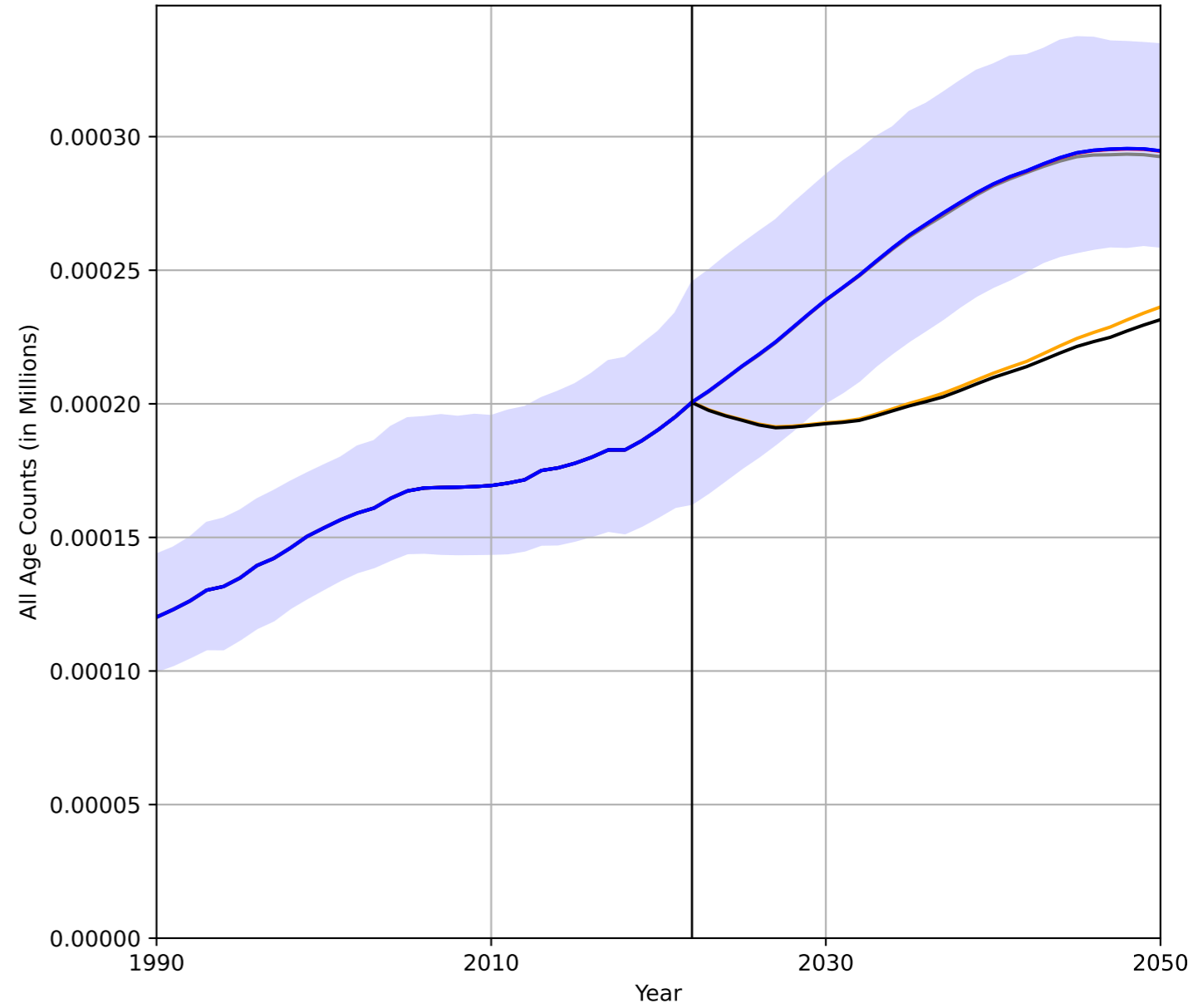
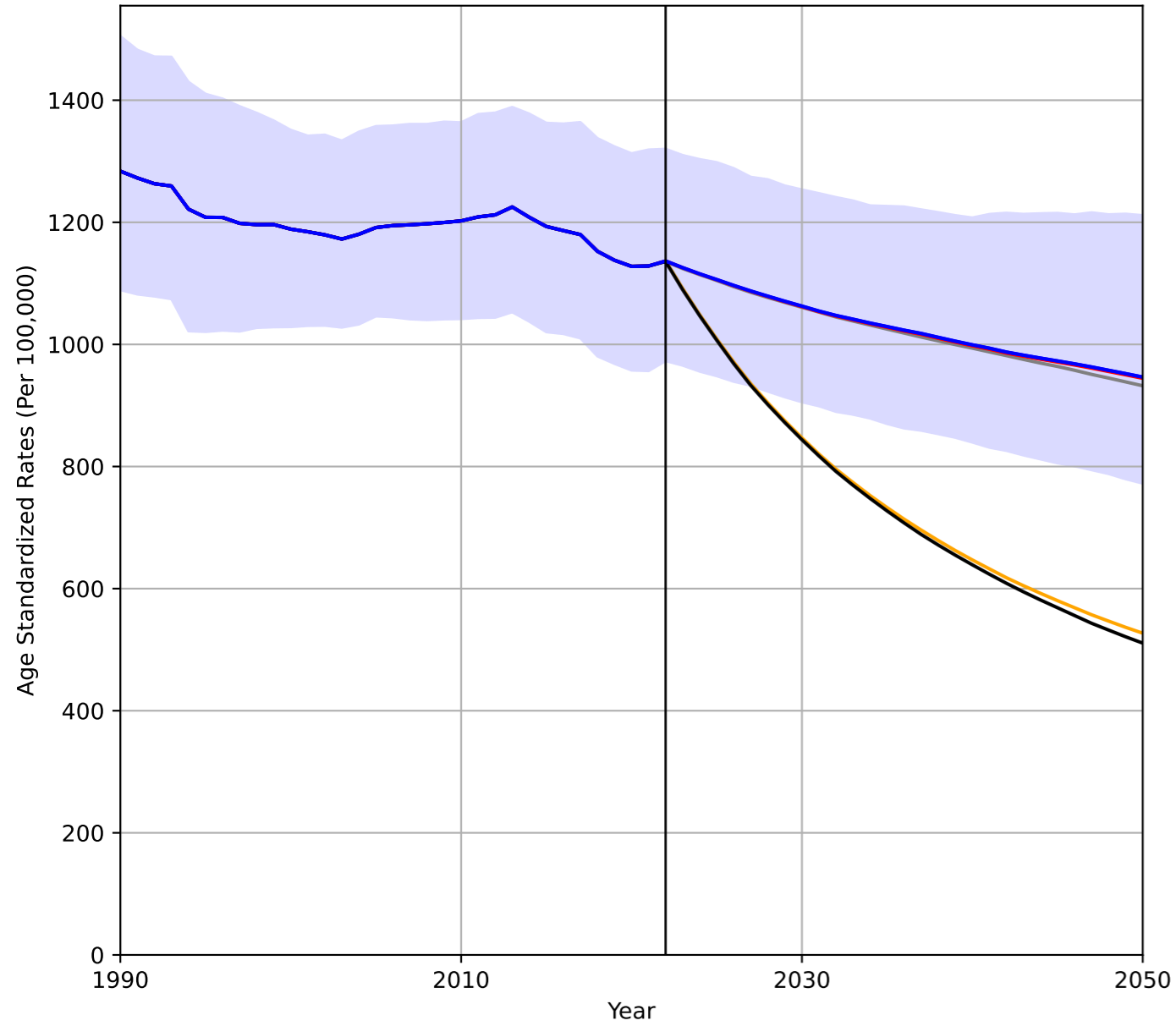
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# Palau

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

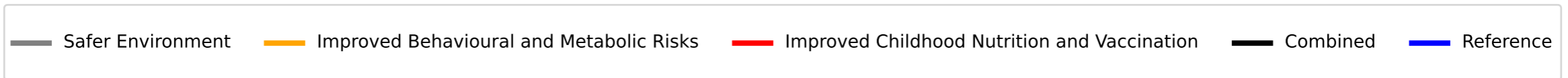
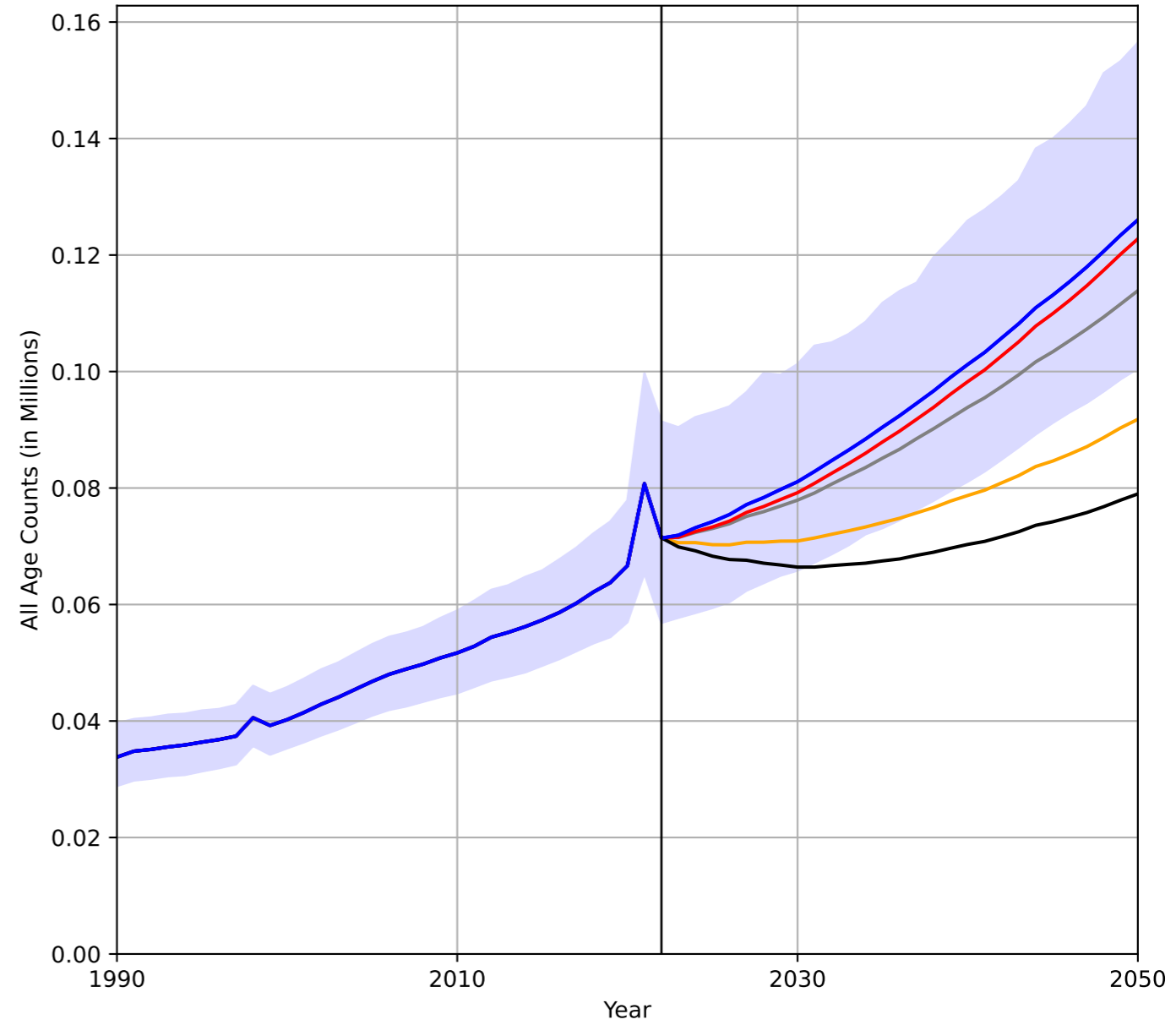
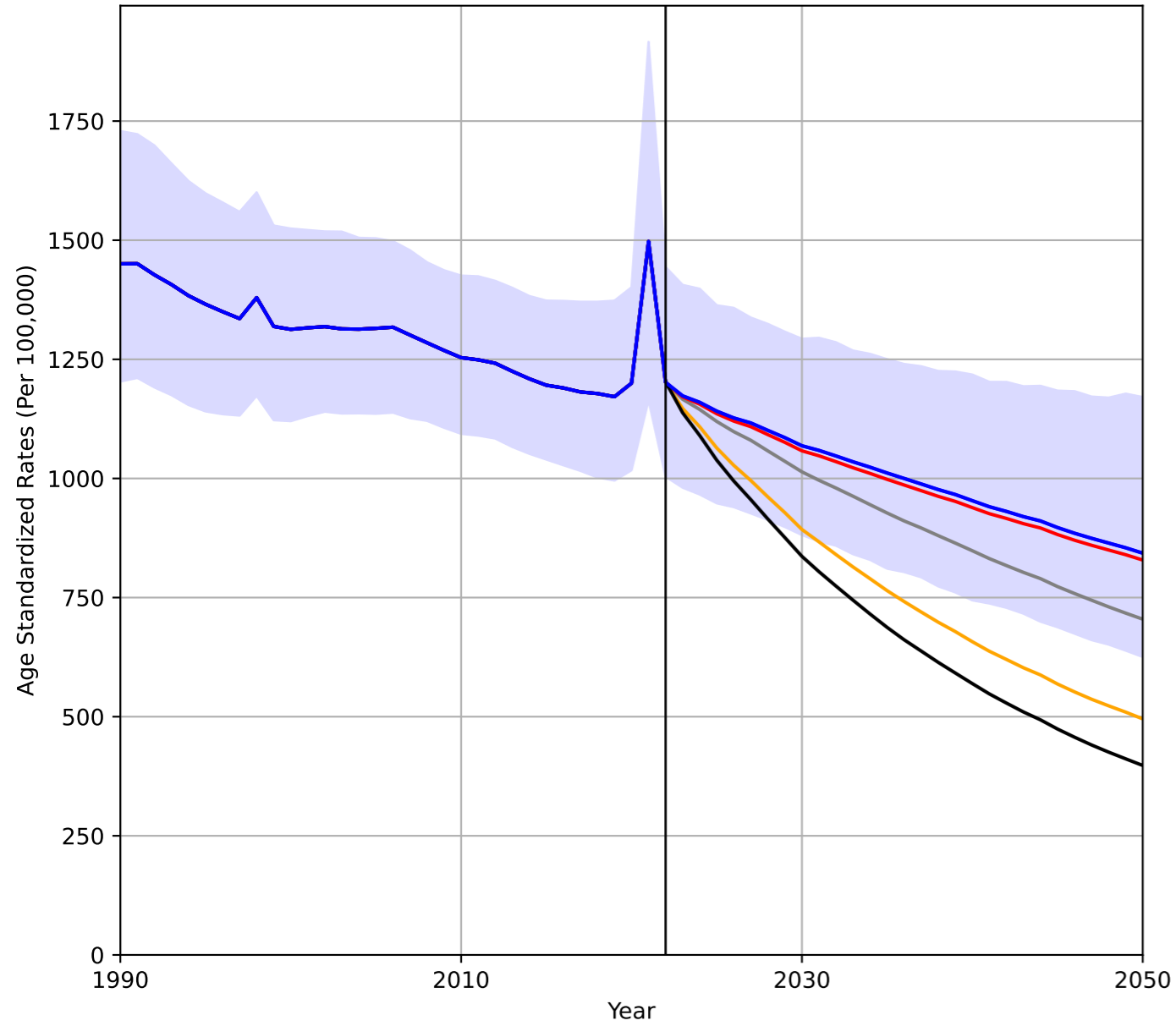
1781



# Papua New Guinea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

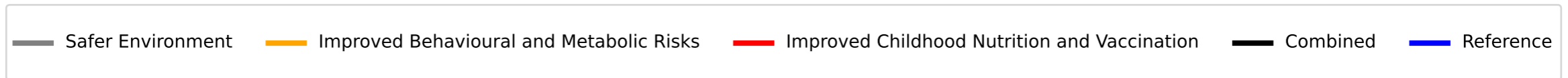
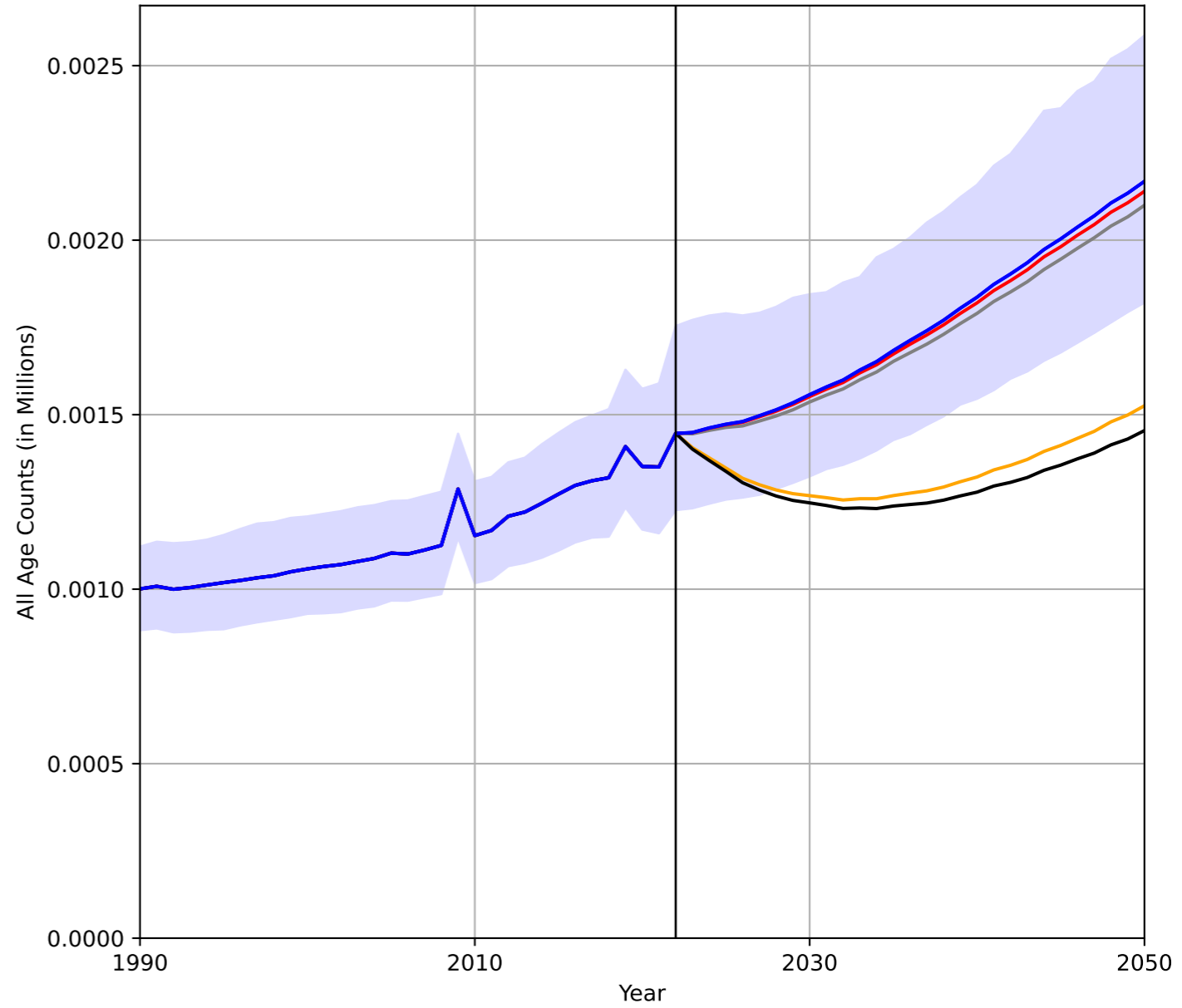
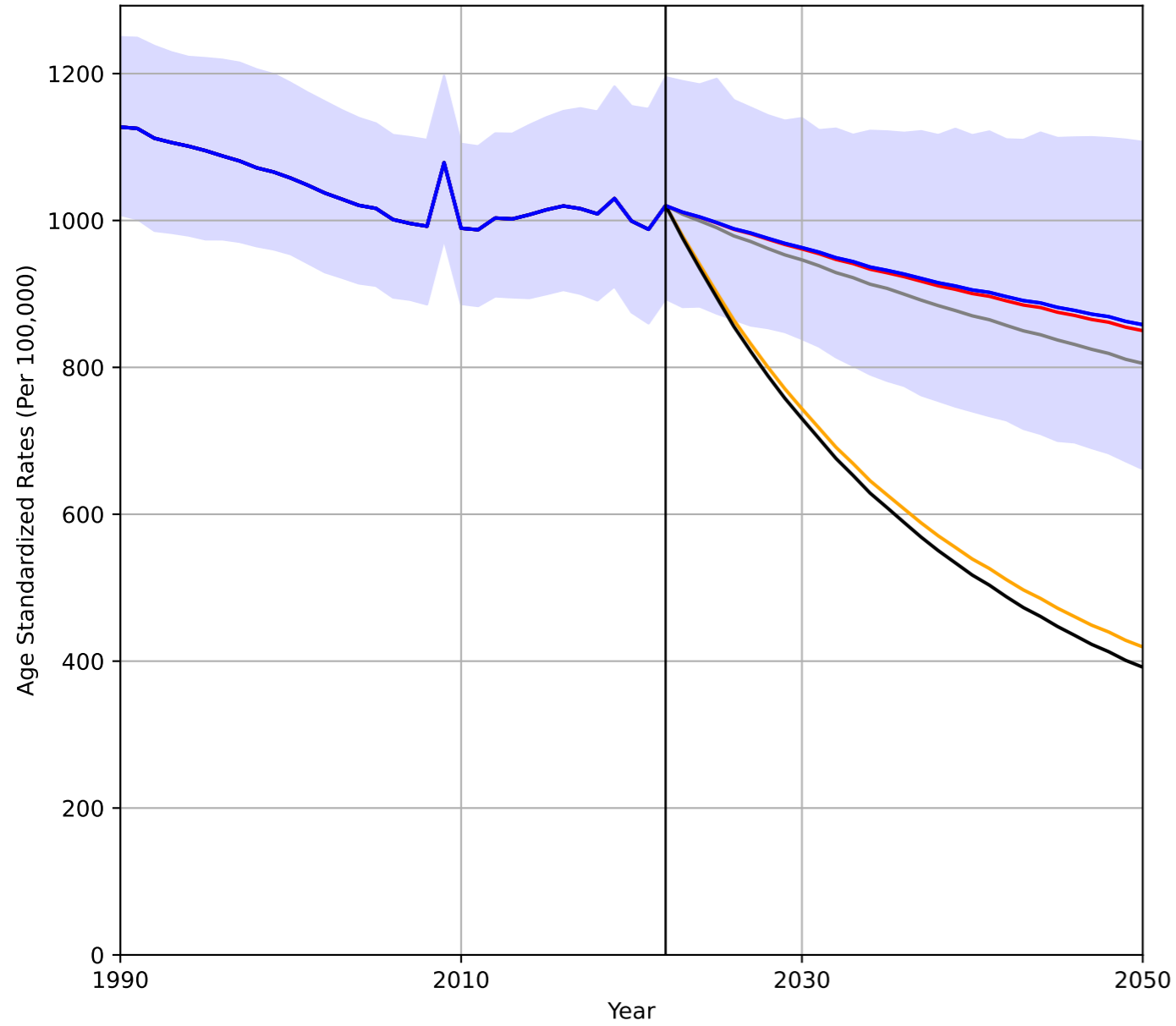
1782



# Samoa

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1783

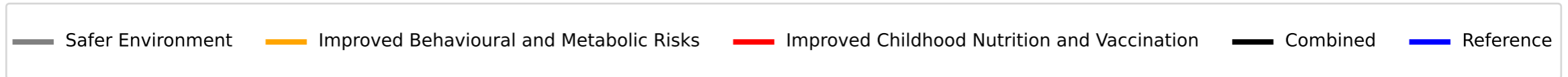
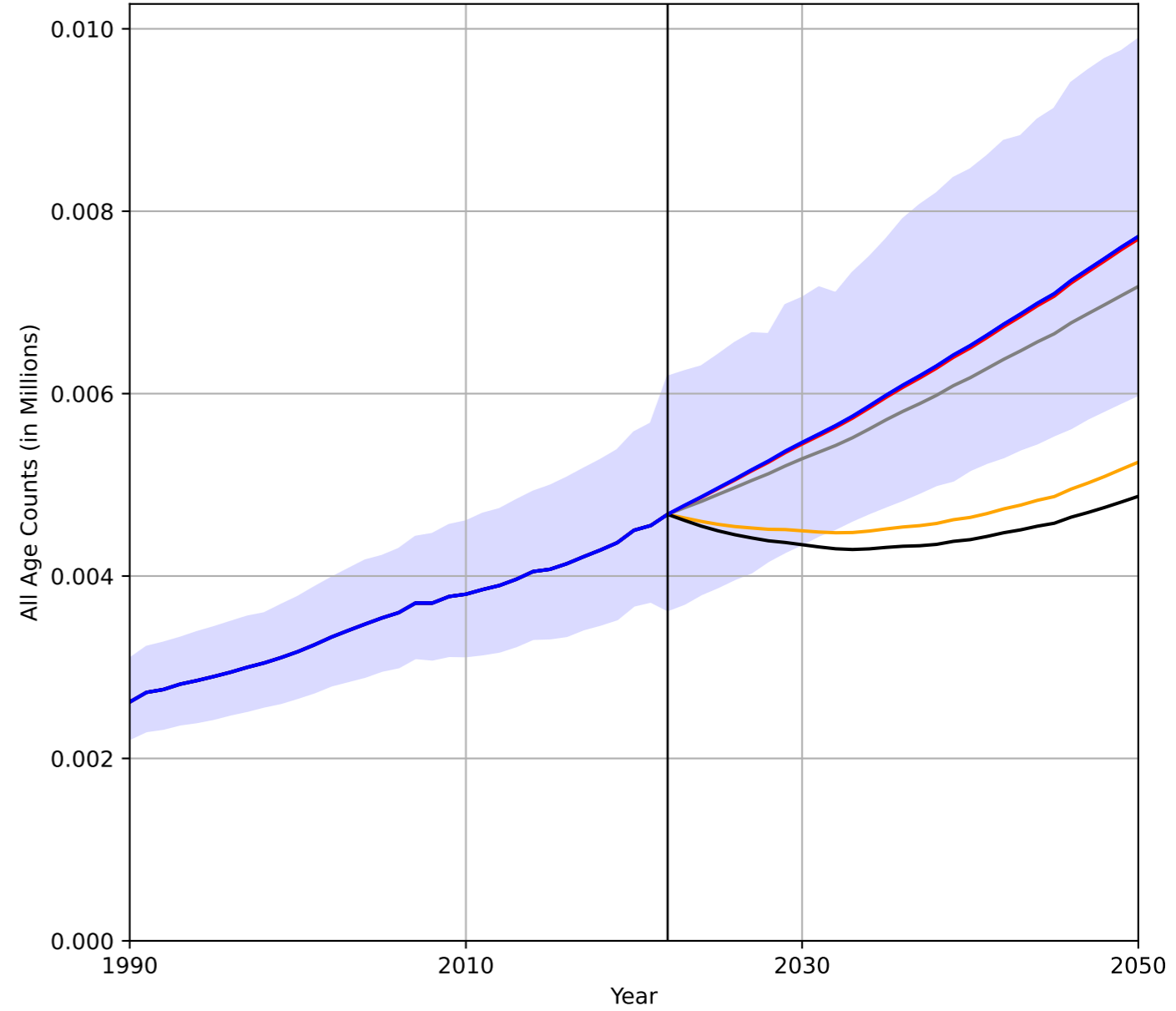
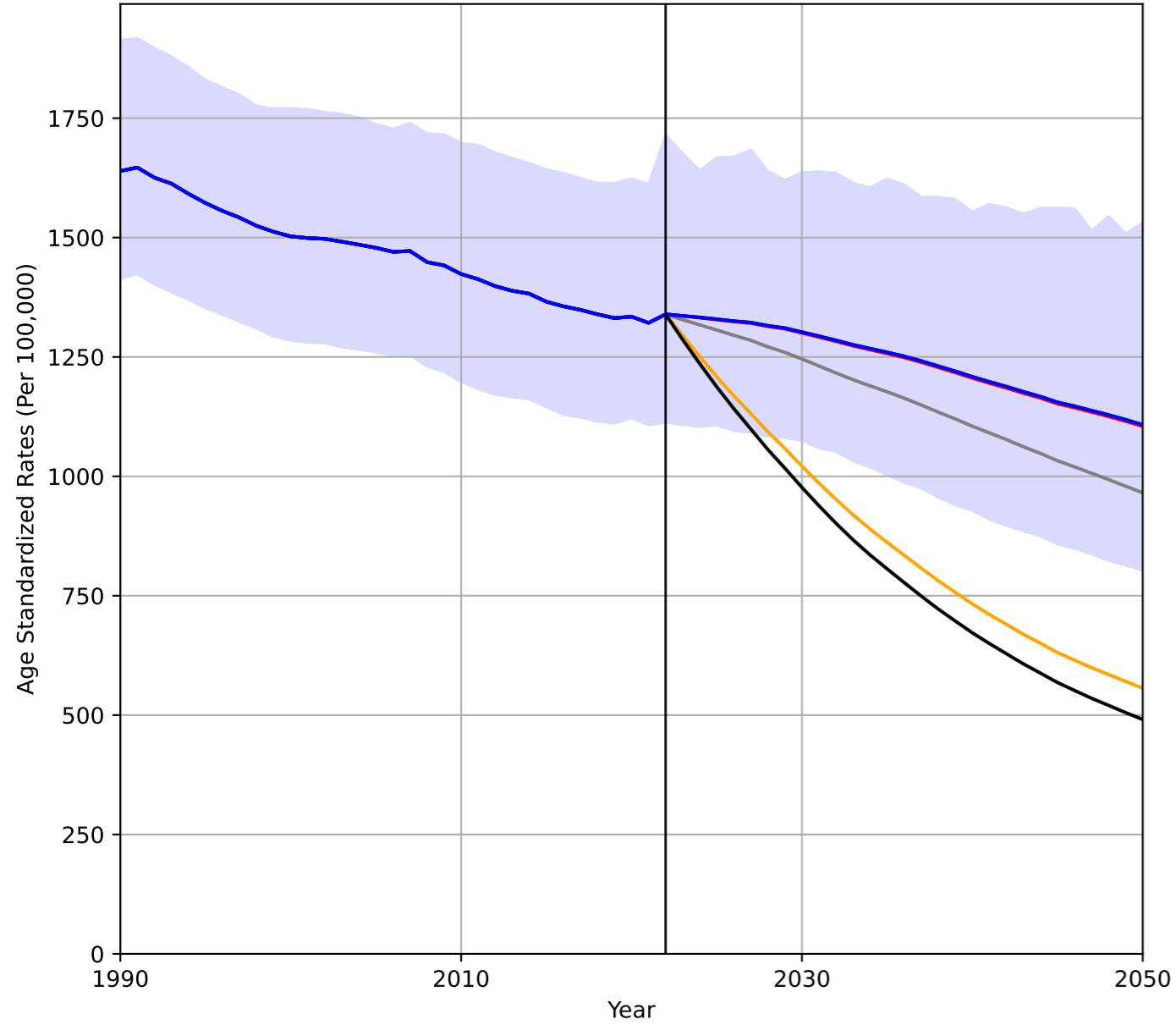




# Solomon Islands

1784

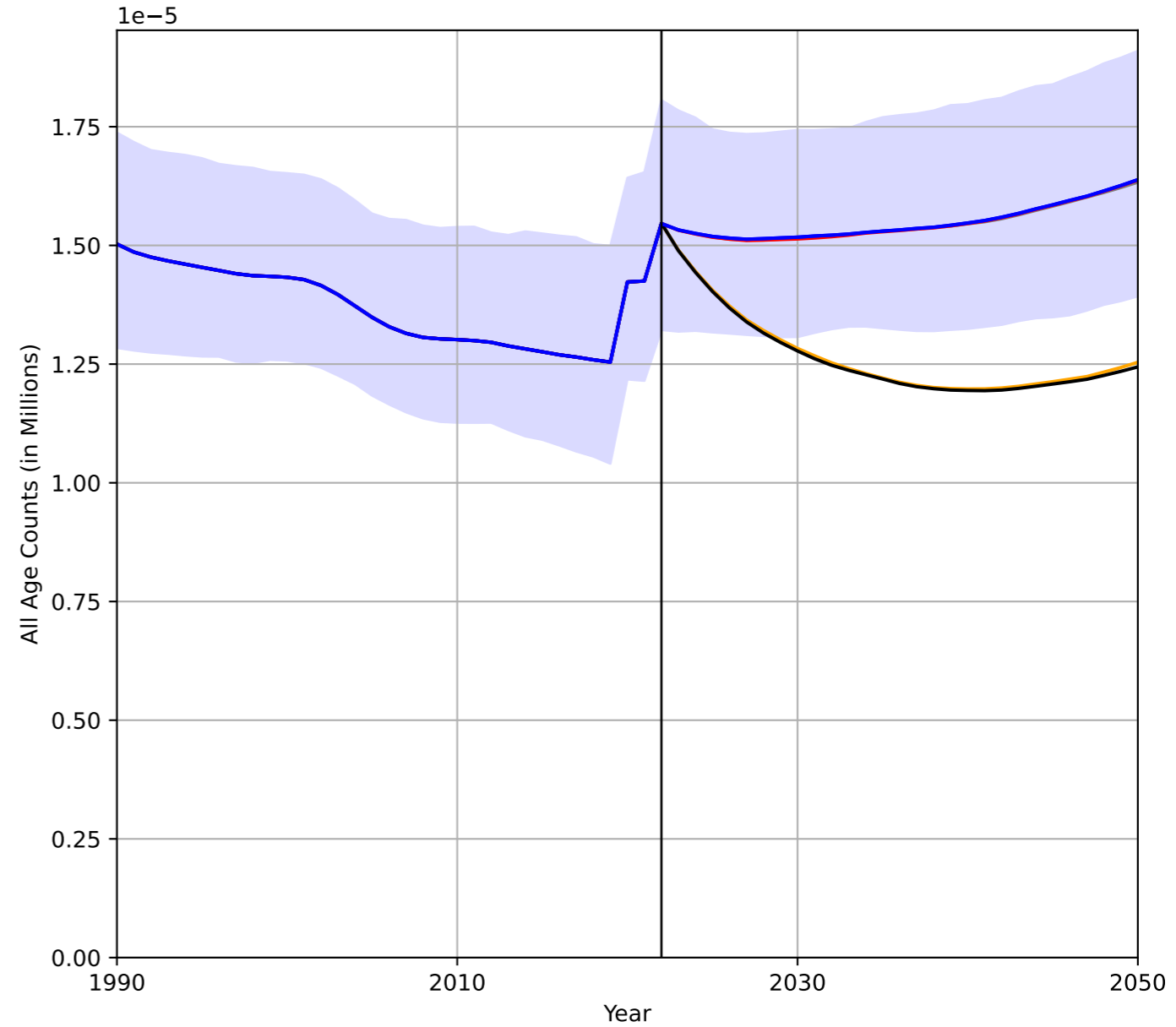
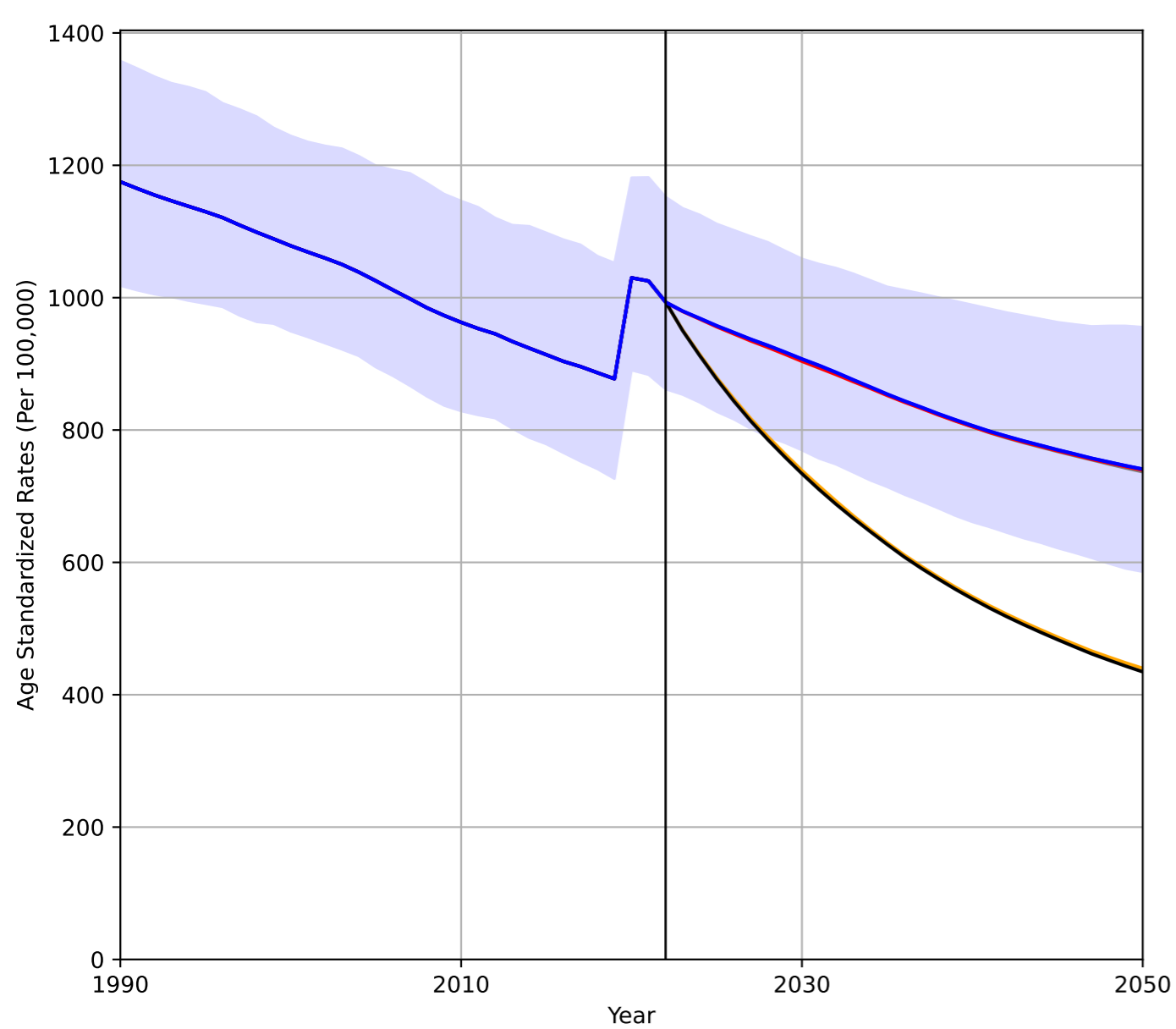
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



# Tokelau

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

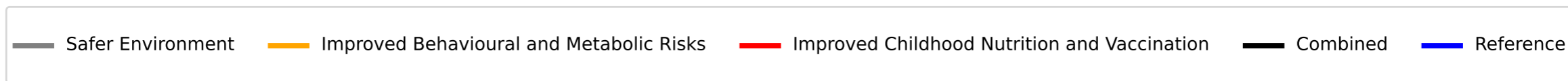
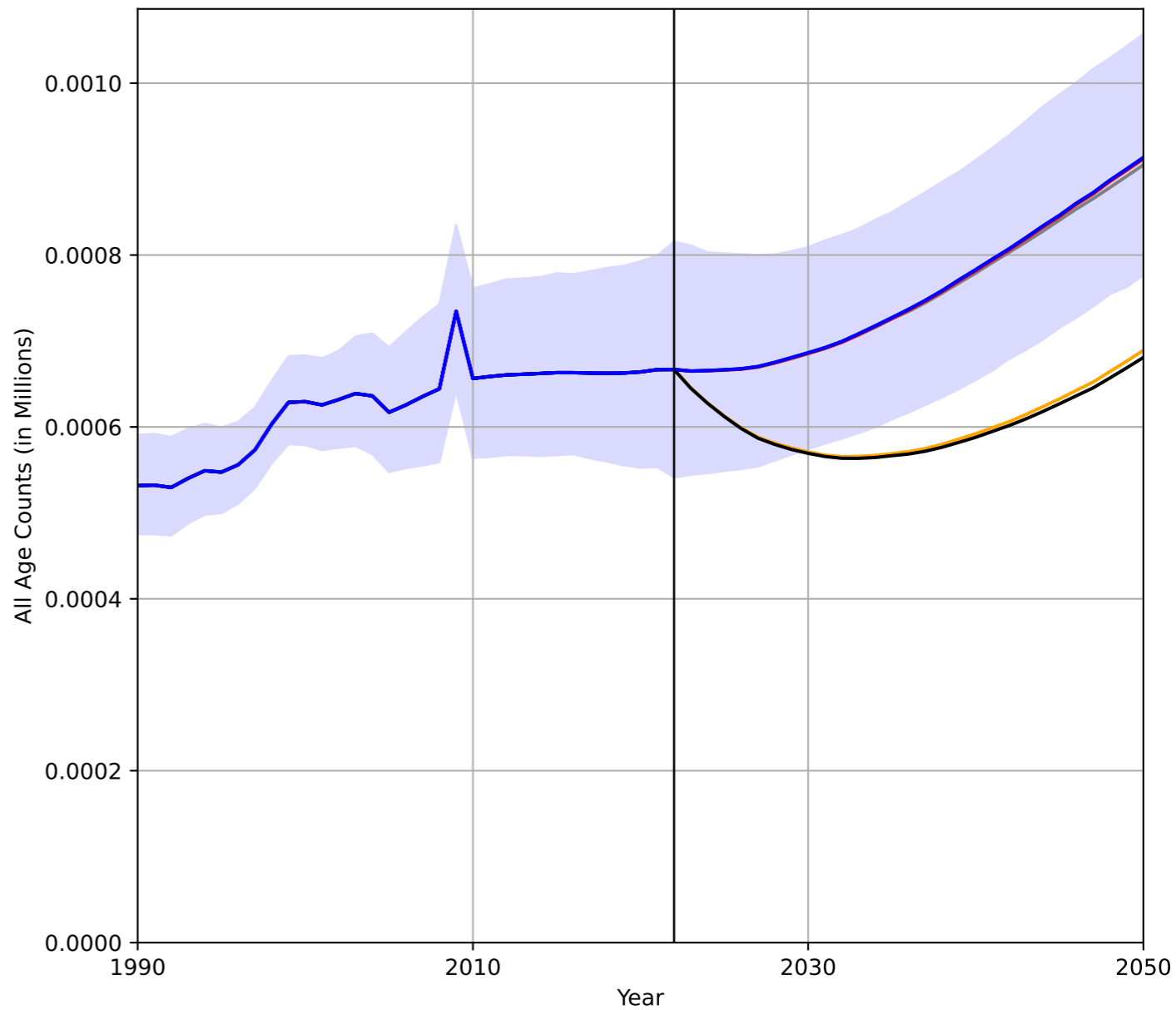
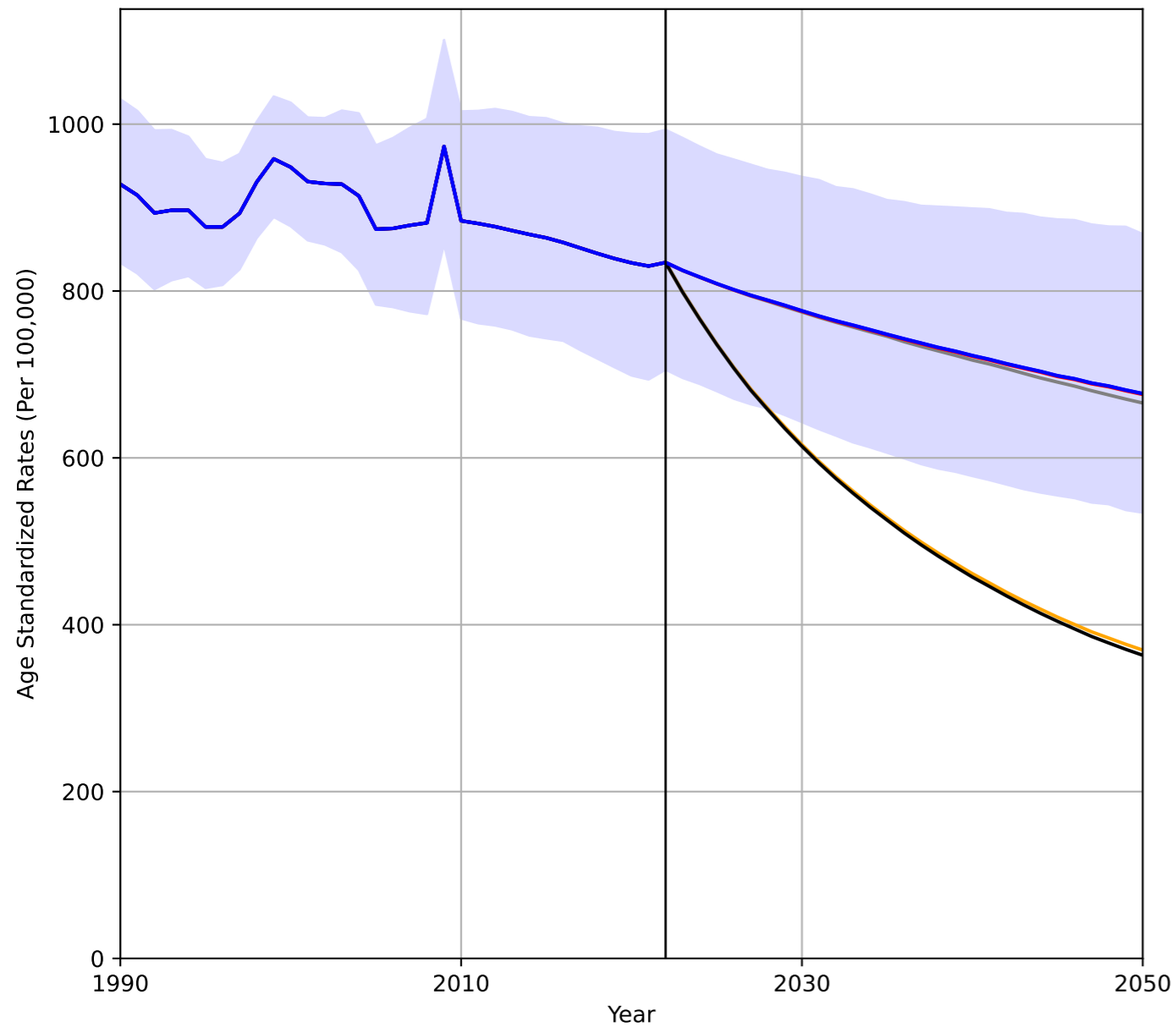
1785



# Tonga

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

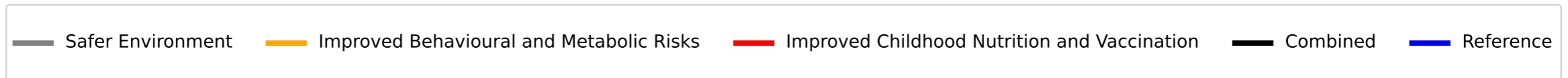
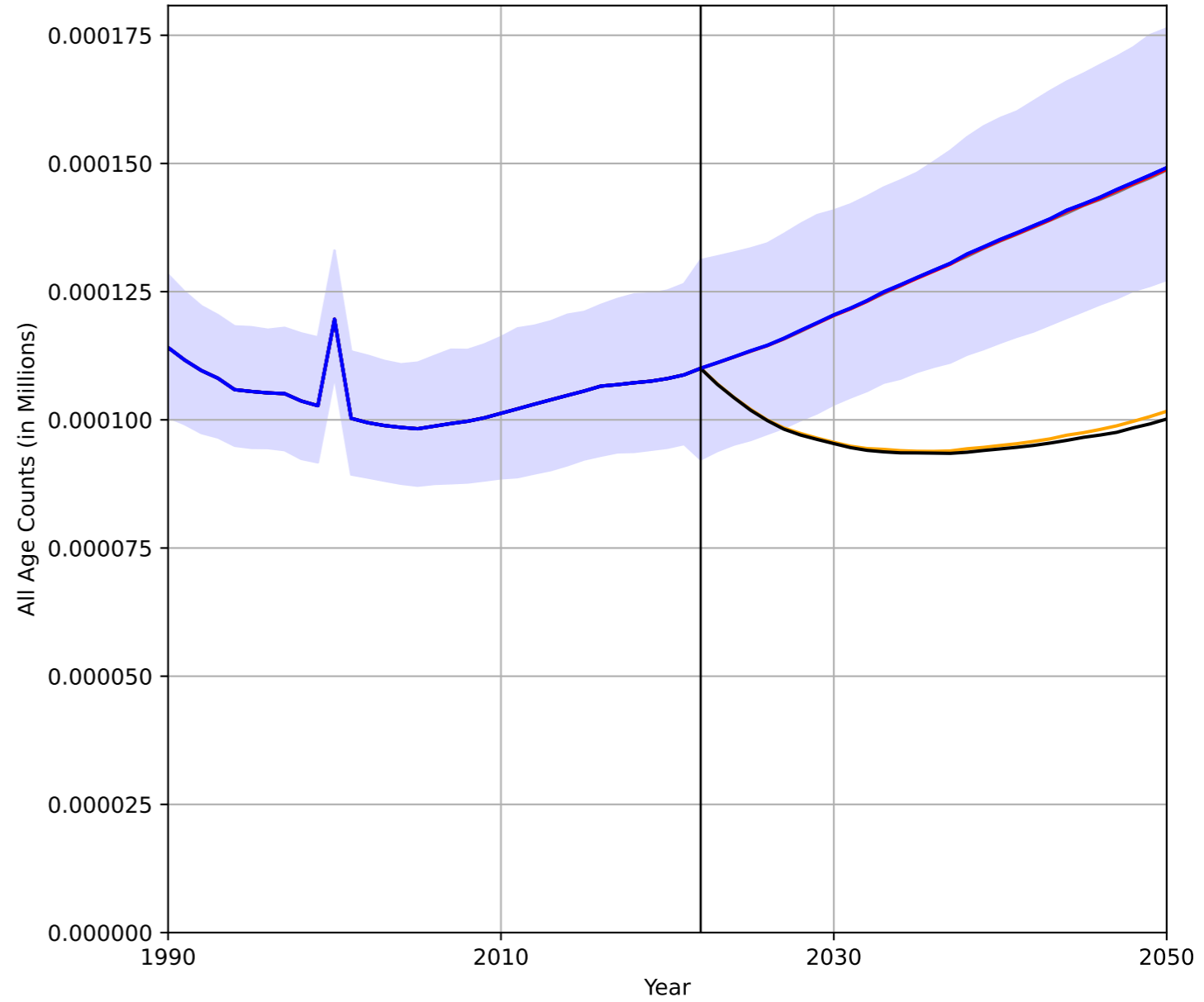
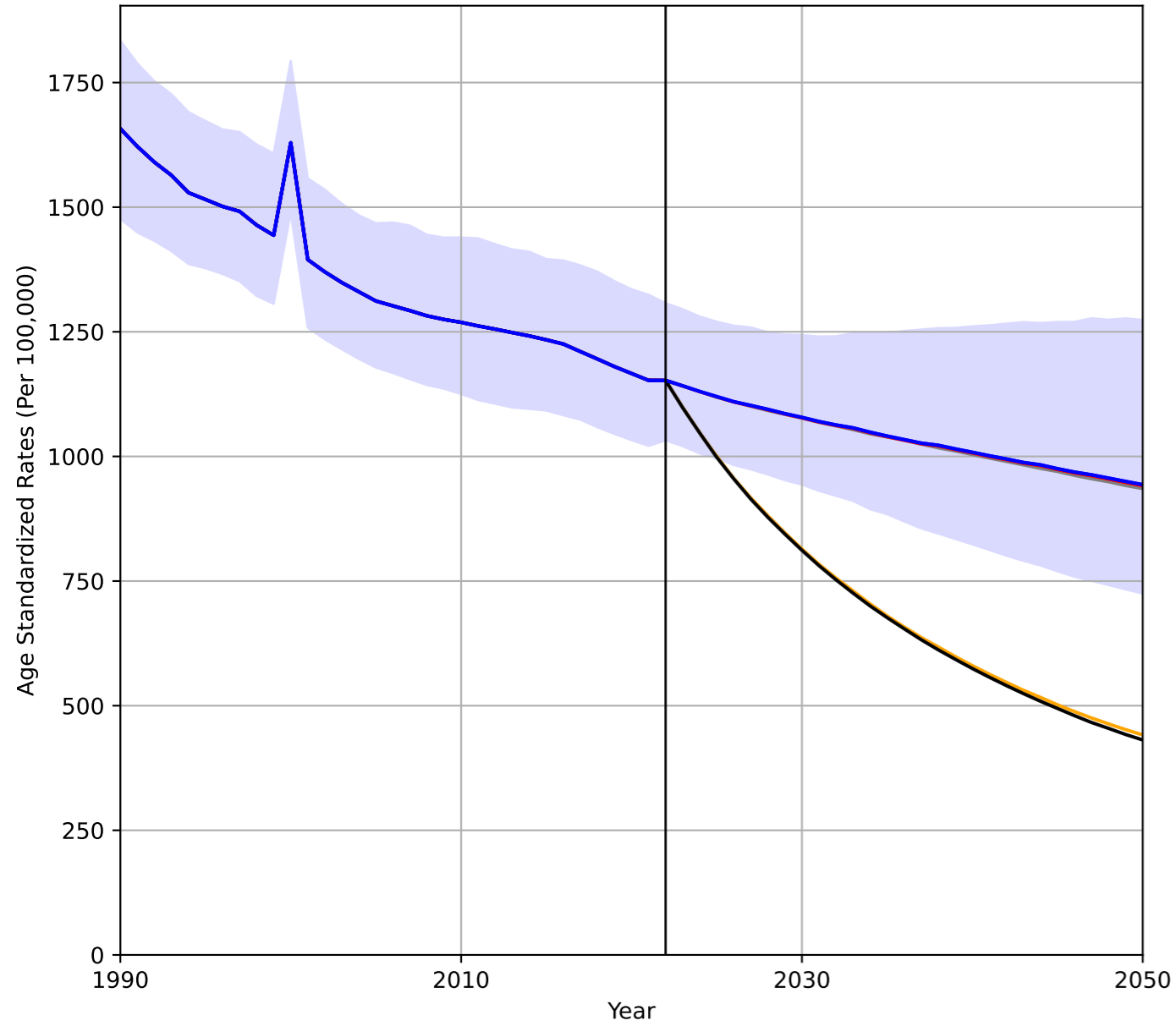
1786



# Tuvalu

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

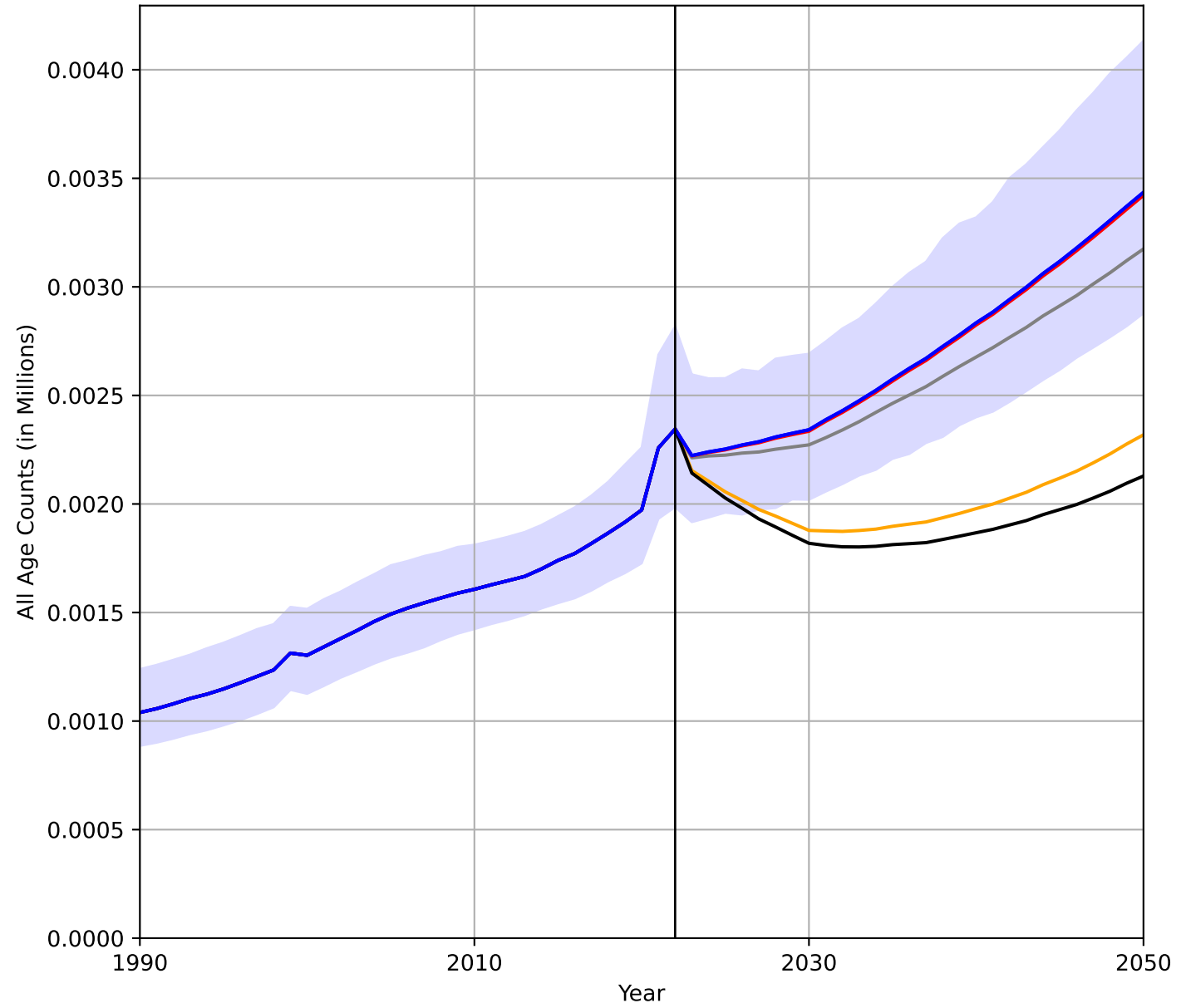
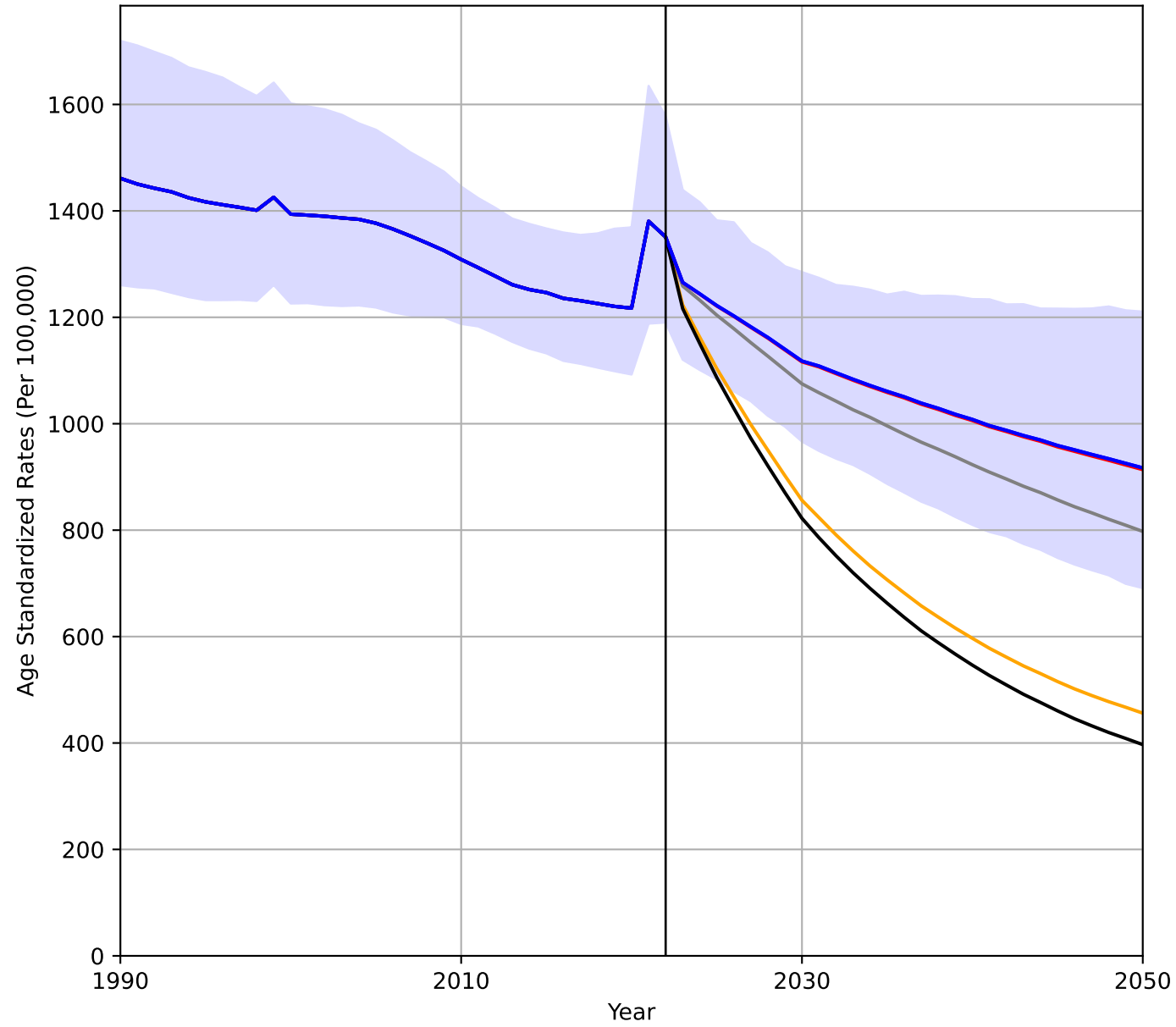
1787



# Vanuatu

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

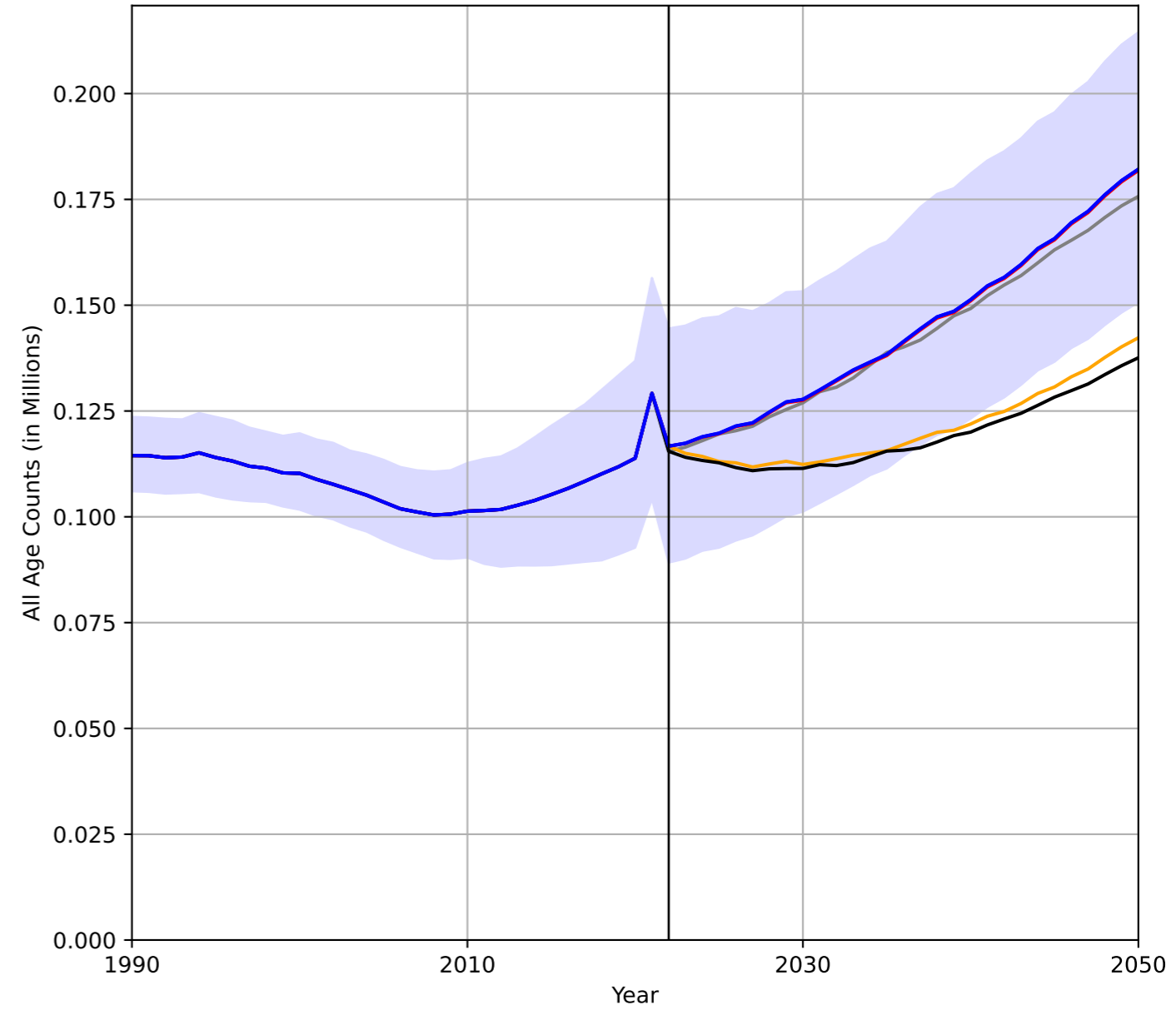
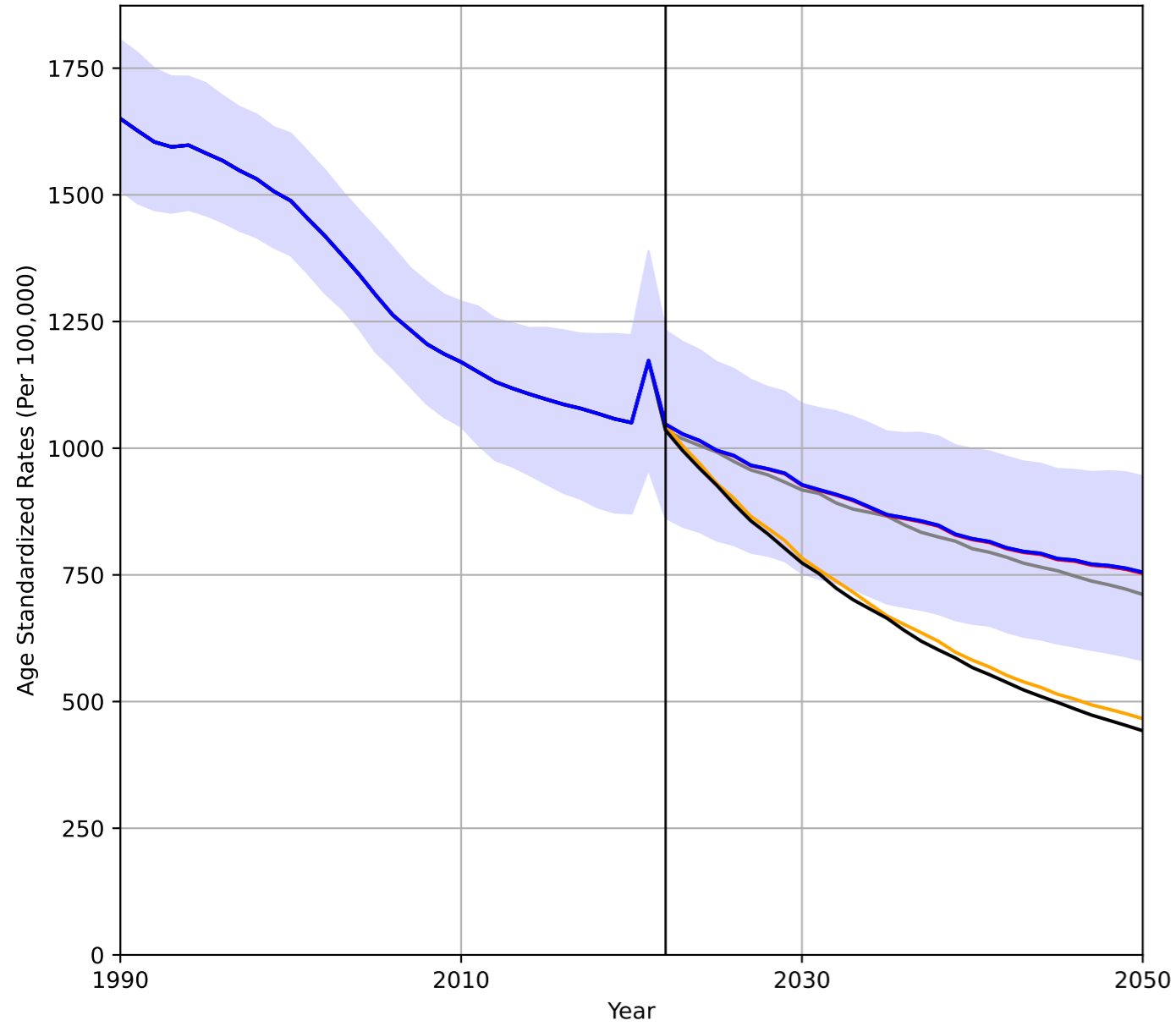
1788



# Cambodia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

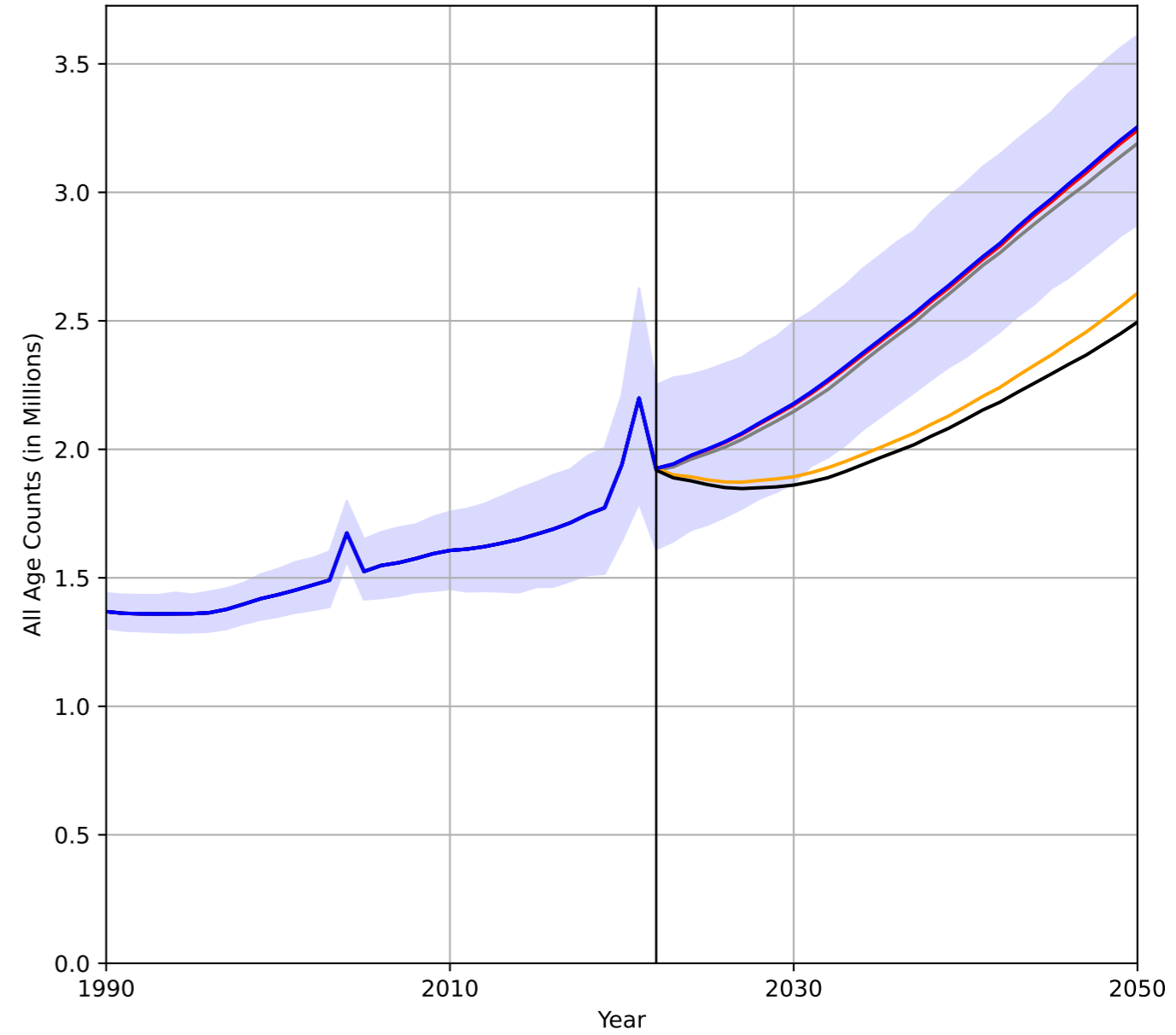
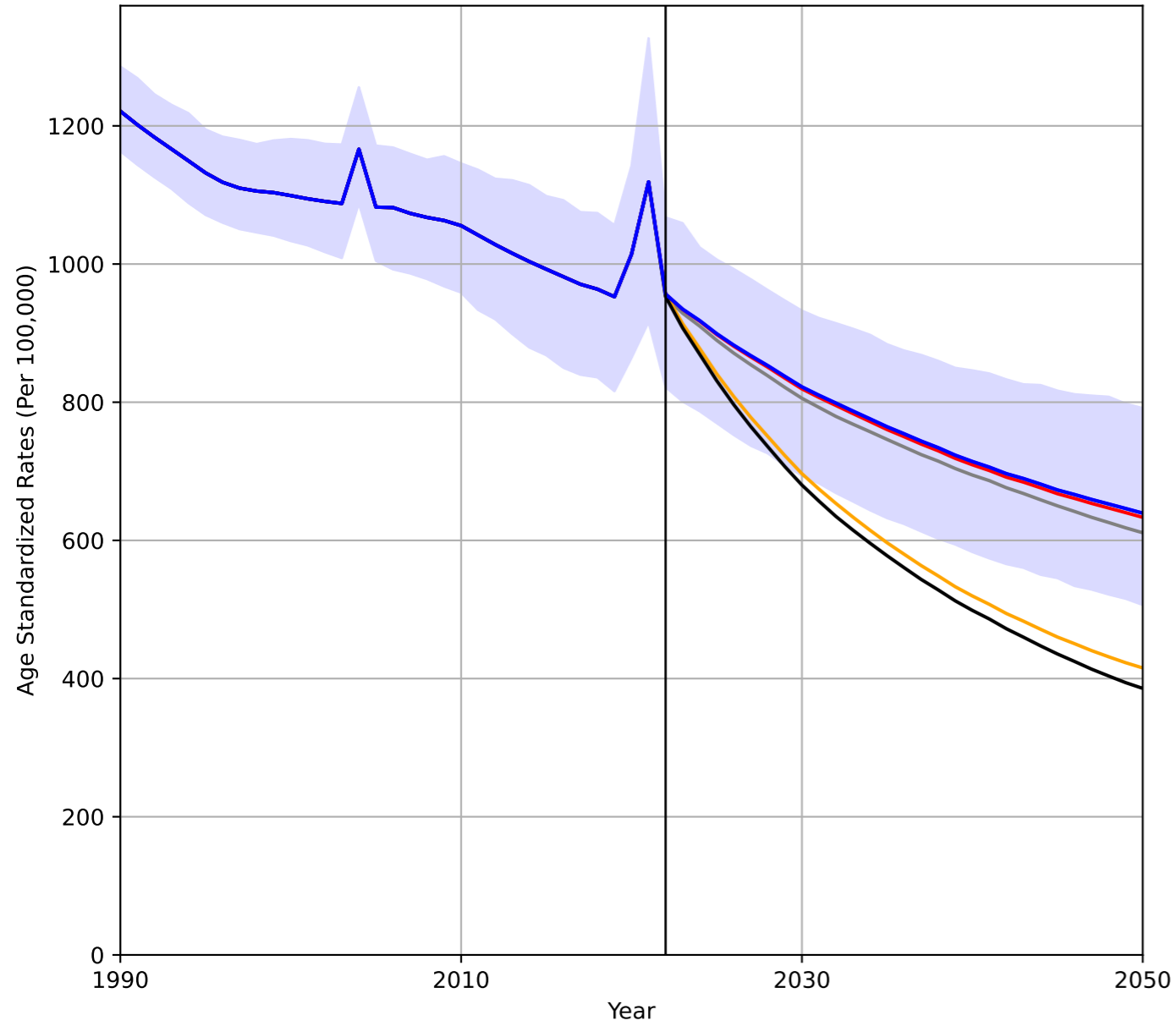
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# Indonesia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

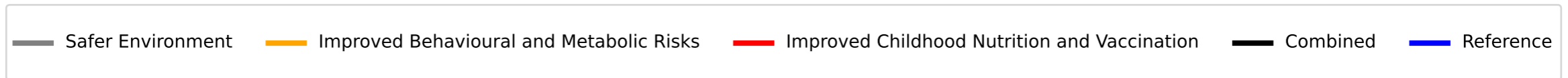
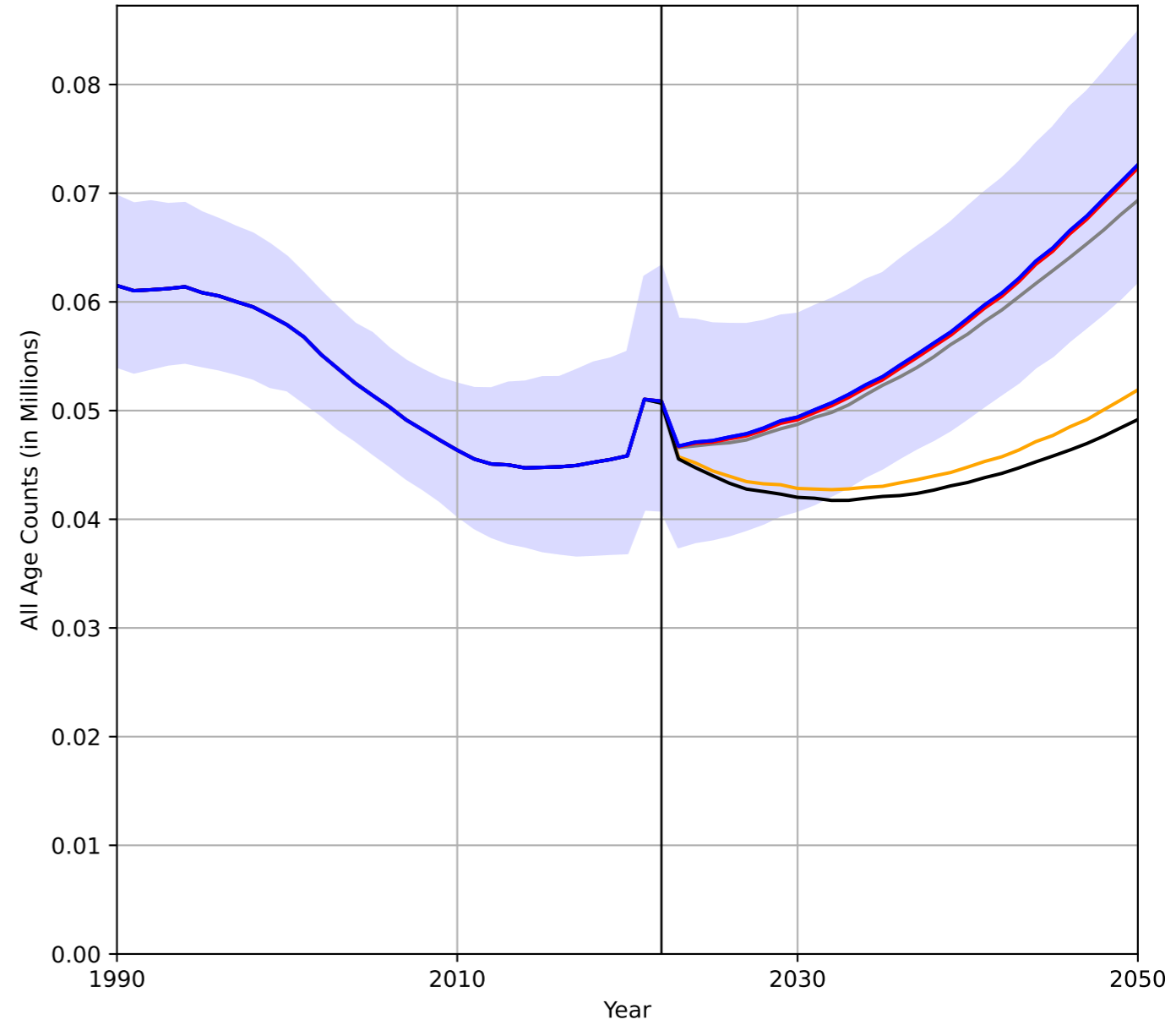
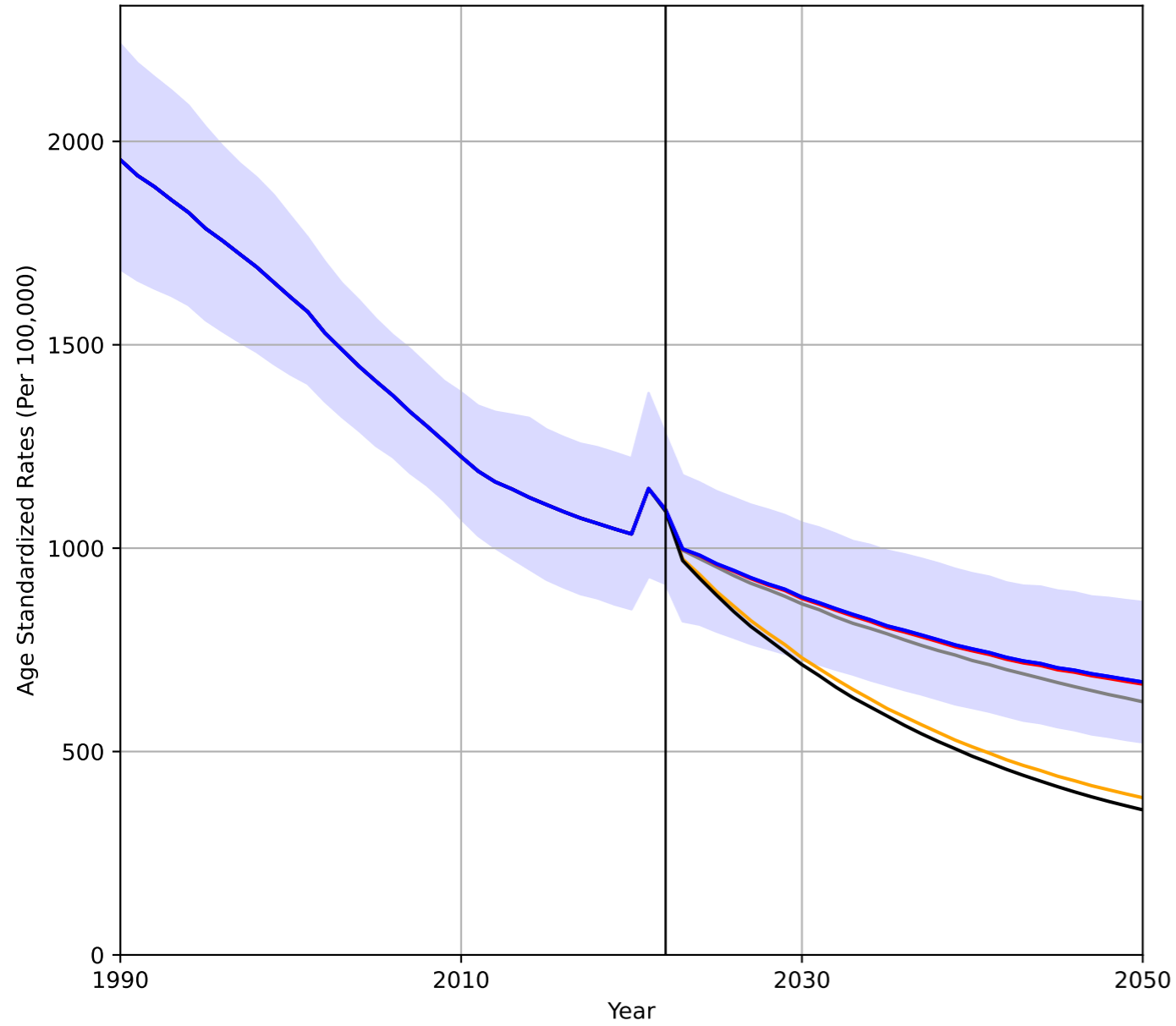
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# Laos

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1791

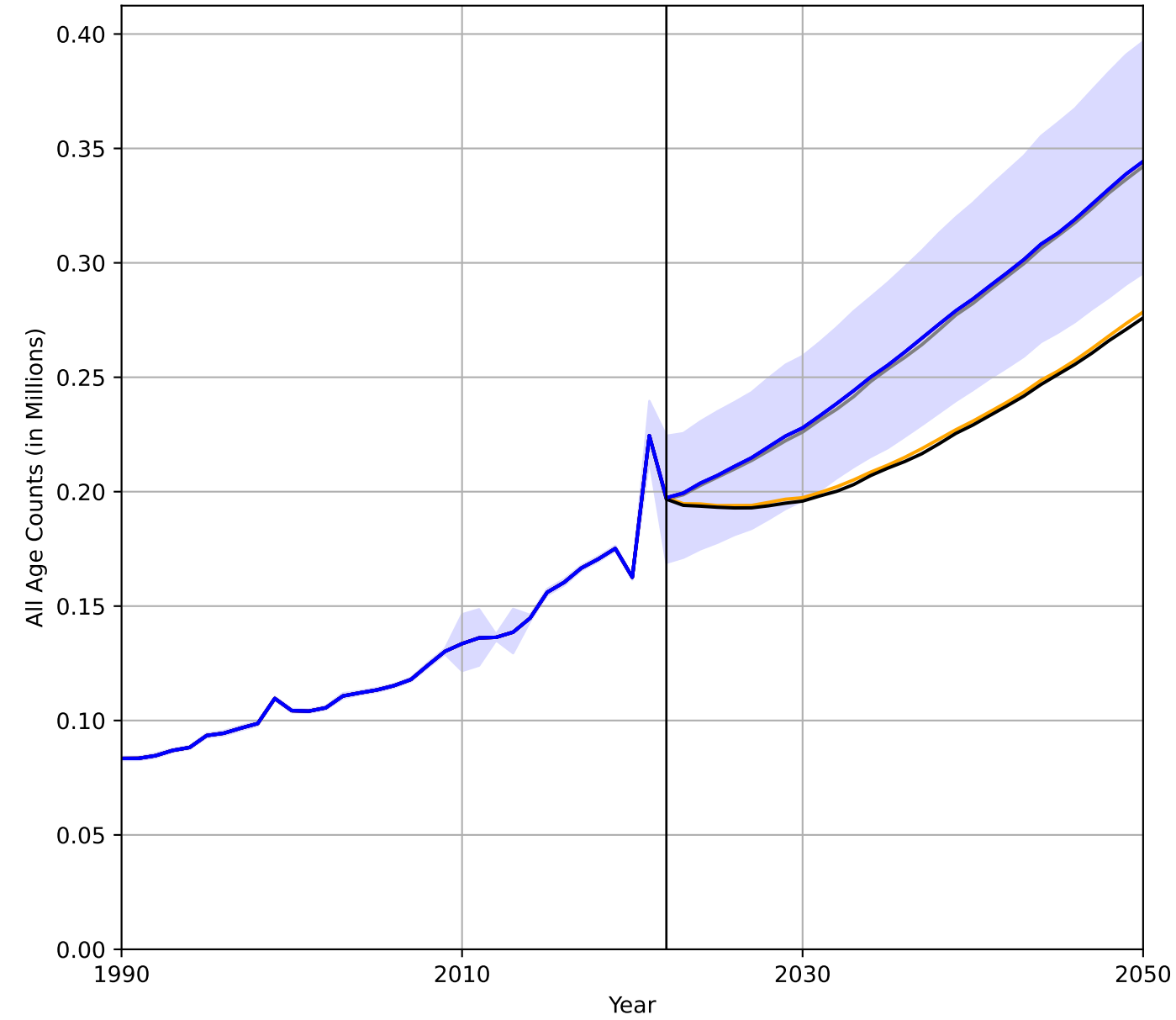
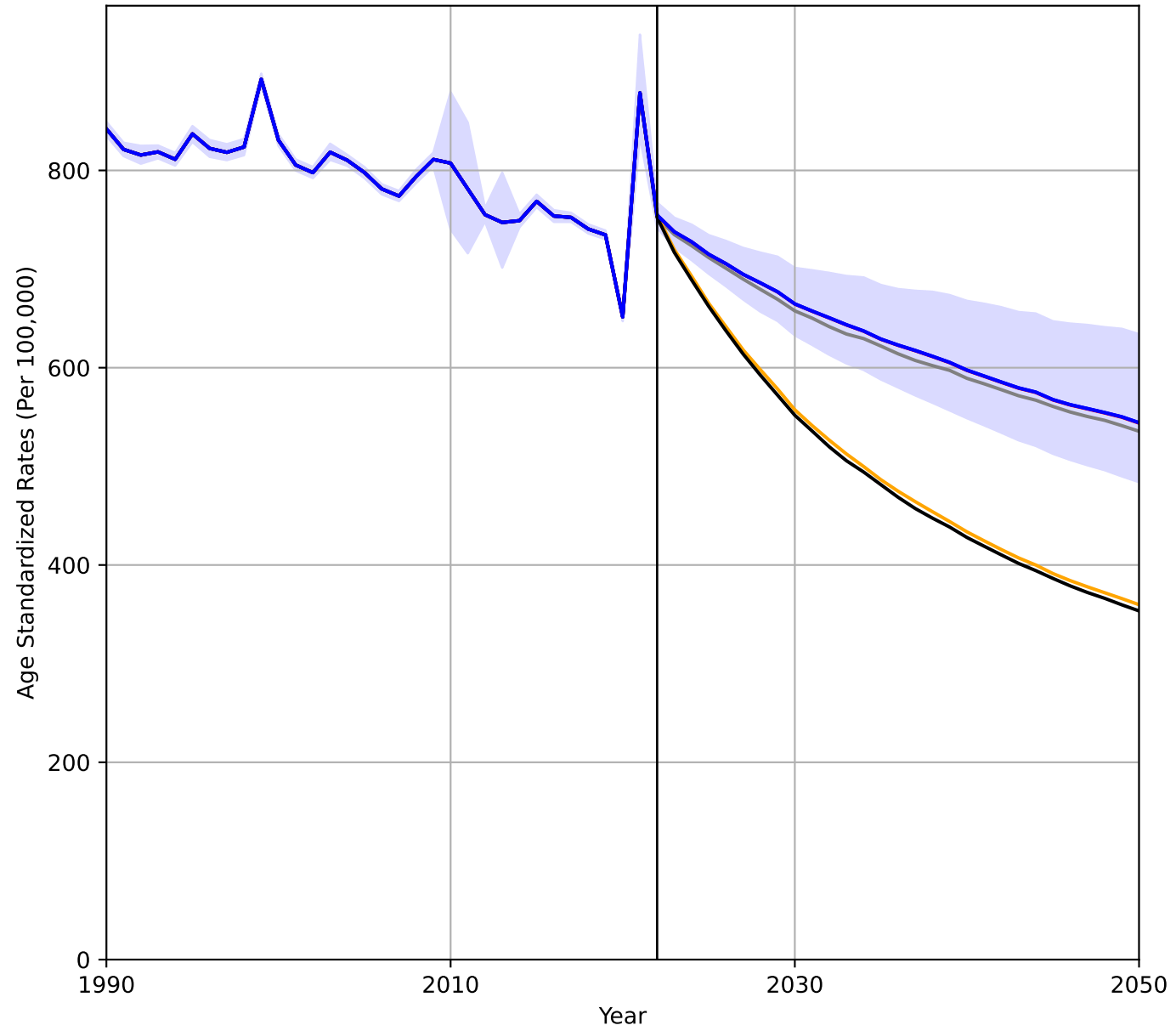




# Malaysia

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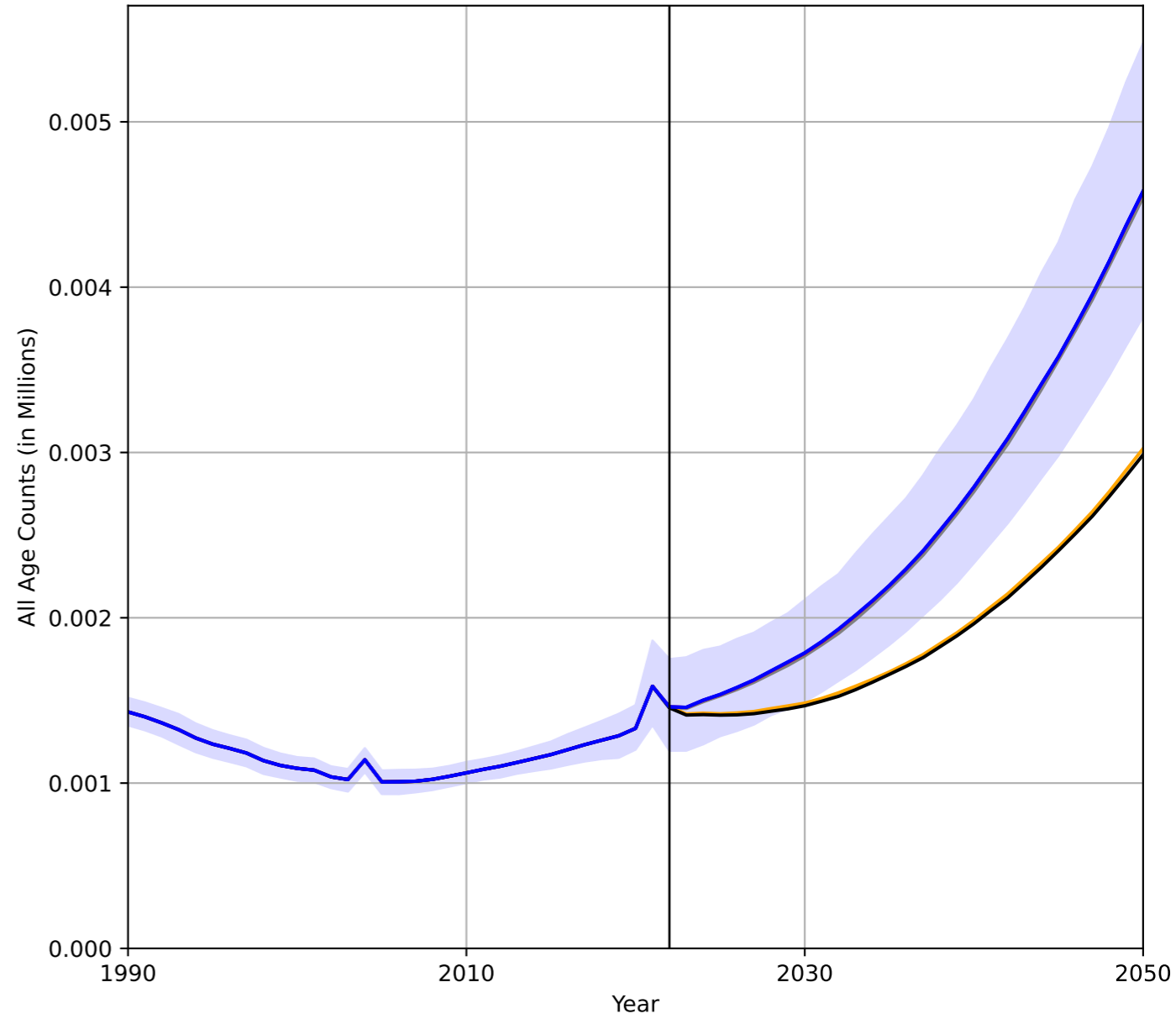
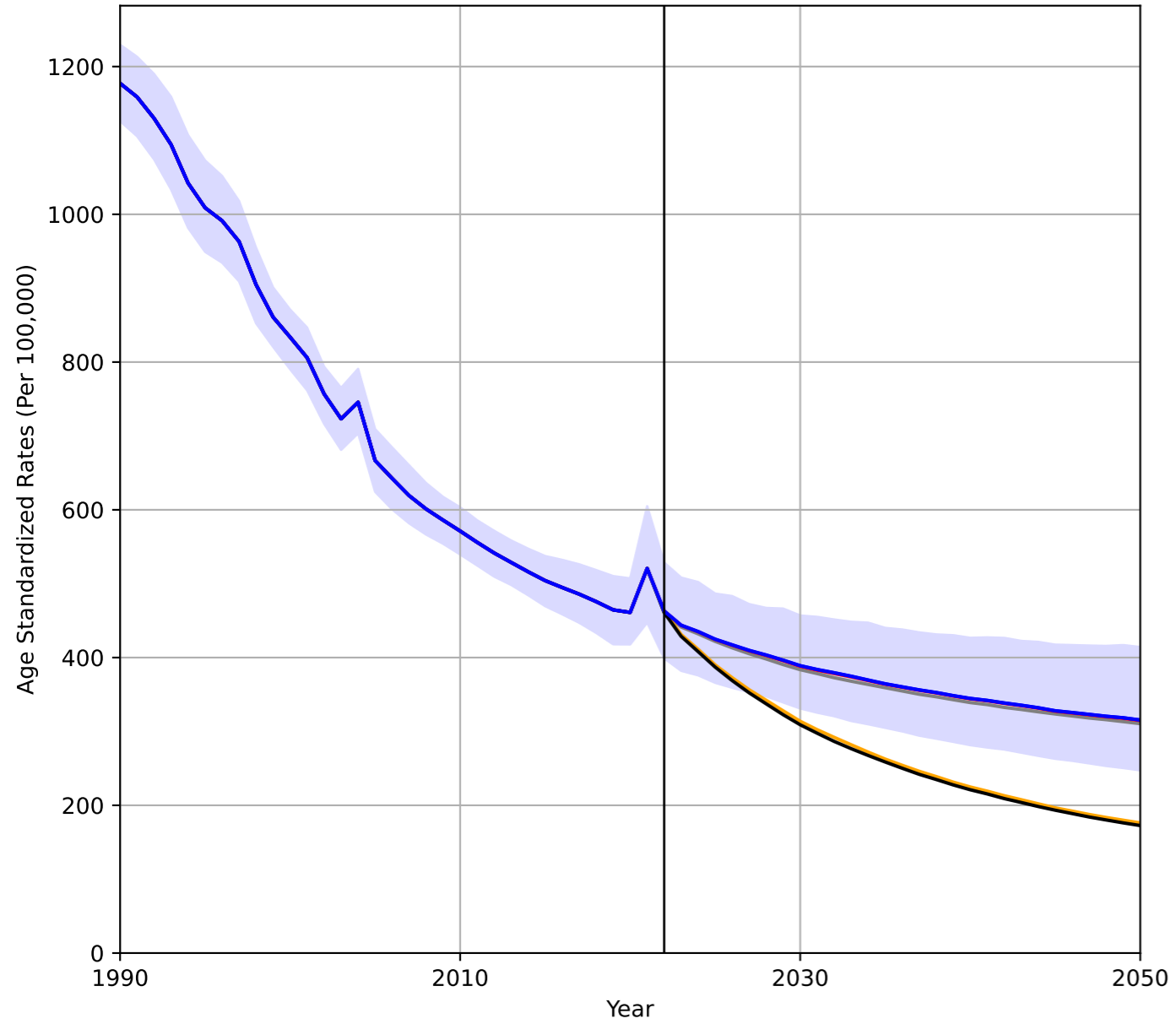
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# Maldives

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

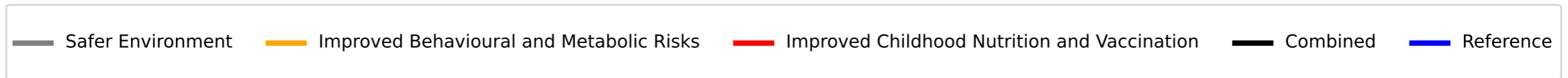
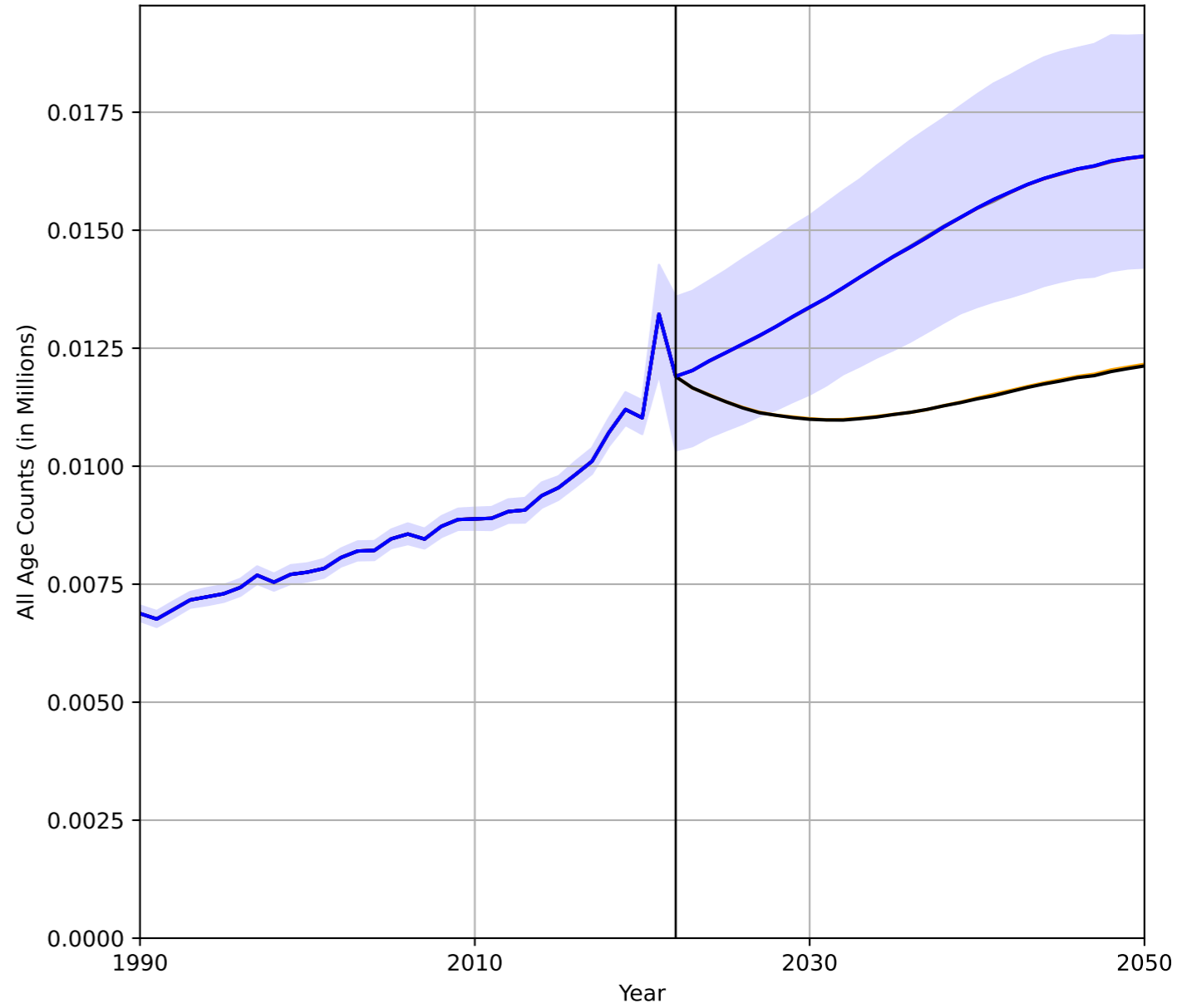
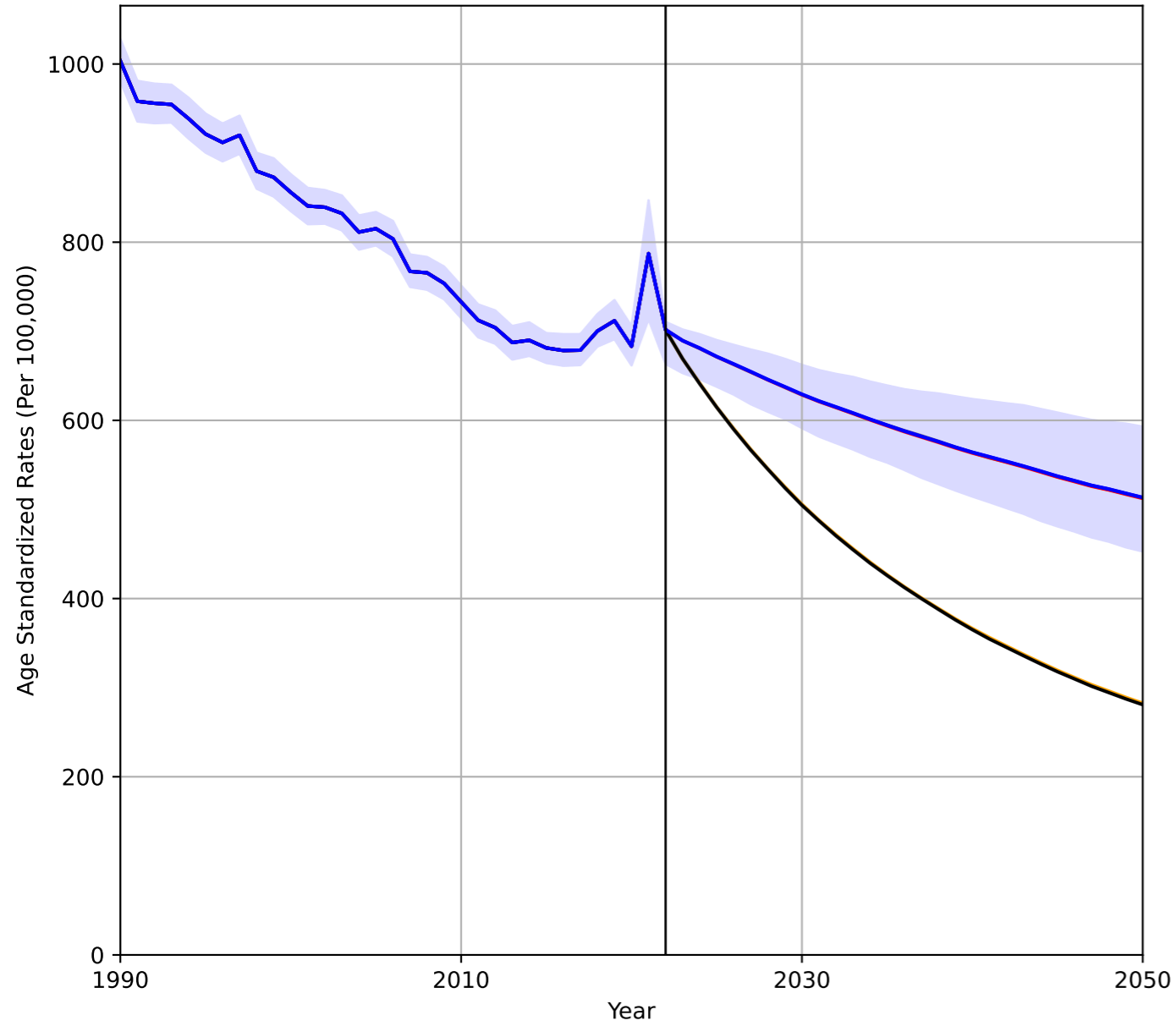
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# Mauritius

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

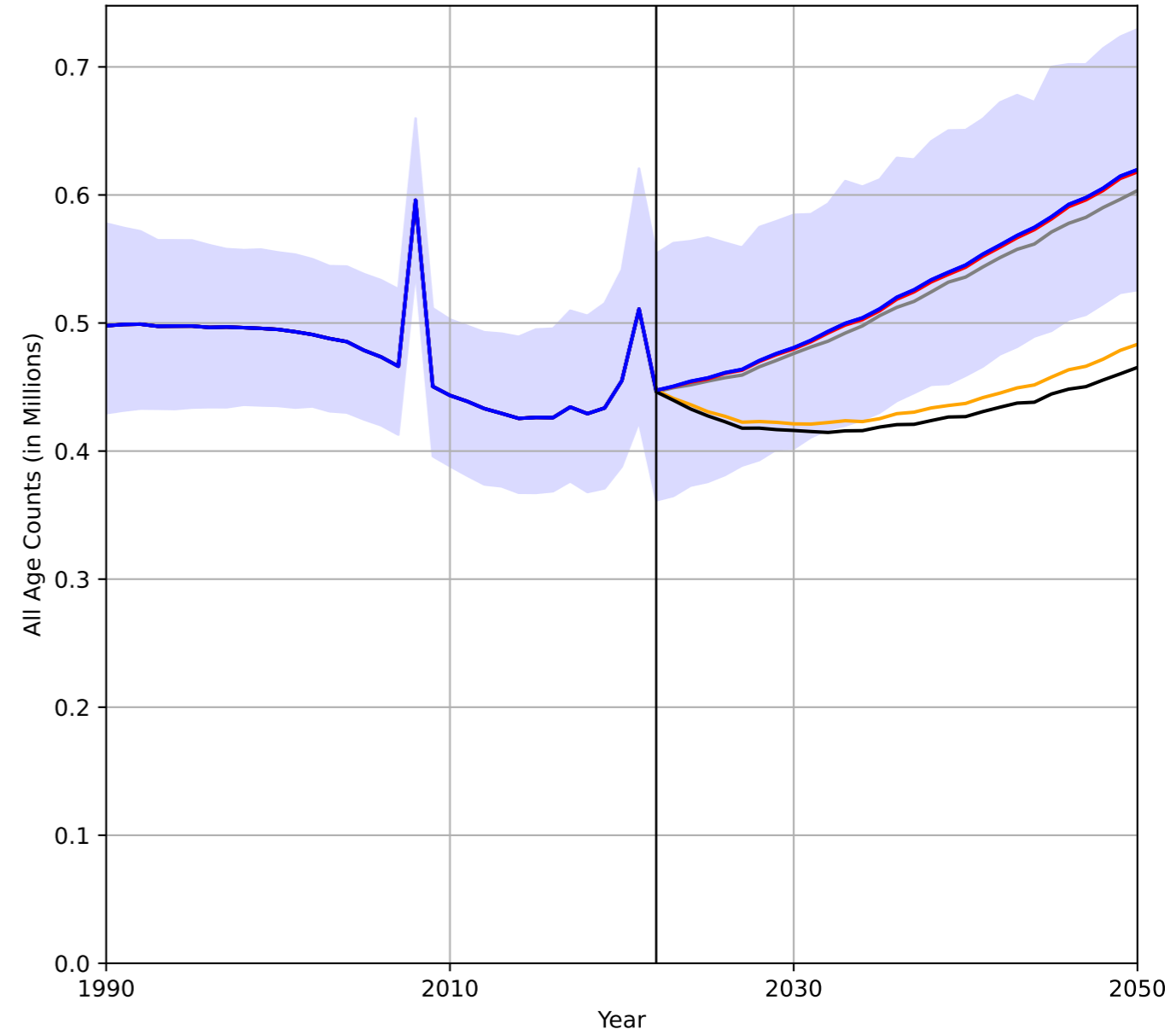
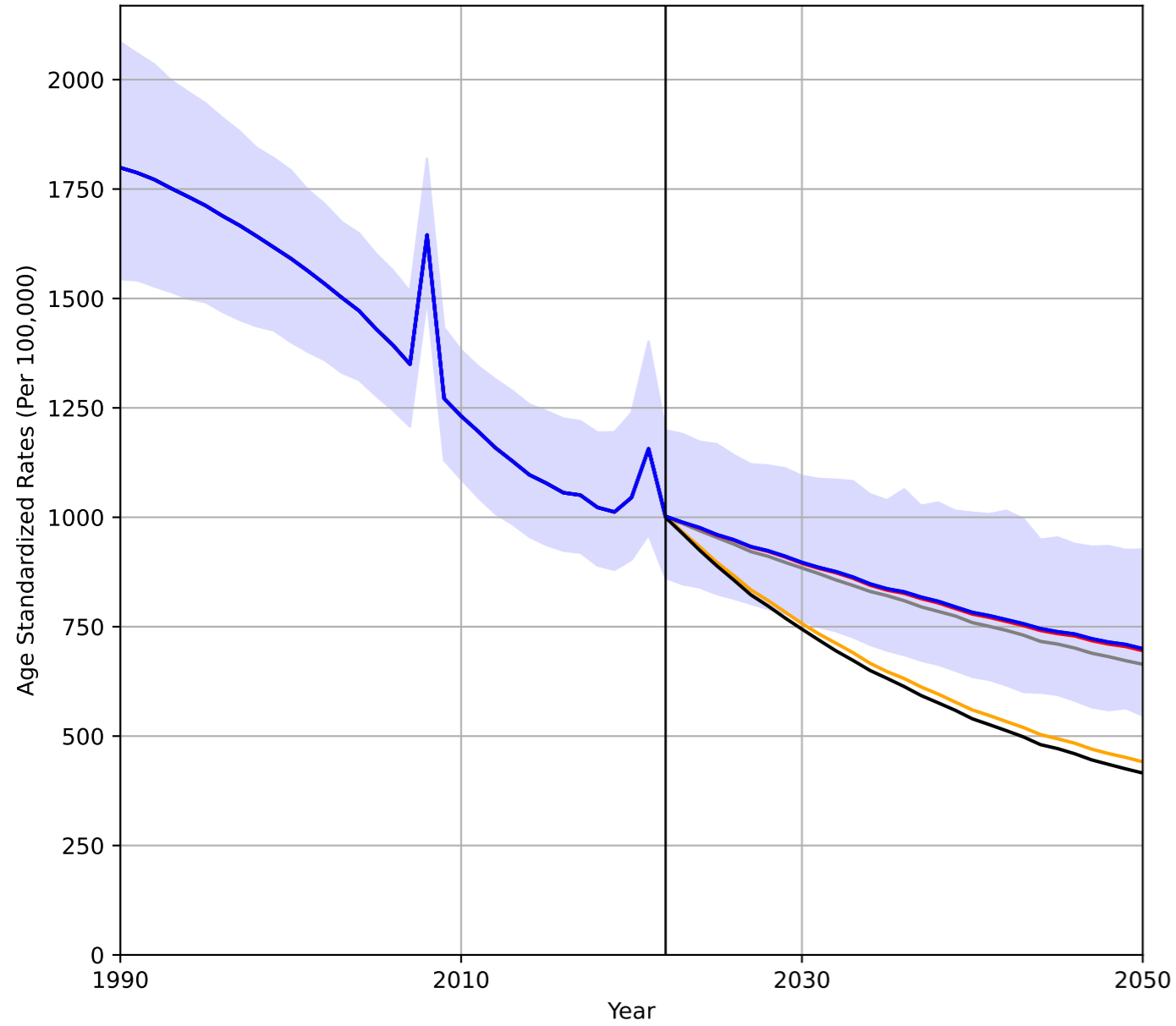
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# Myanmar

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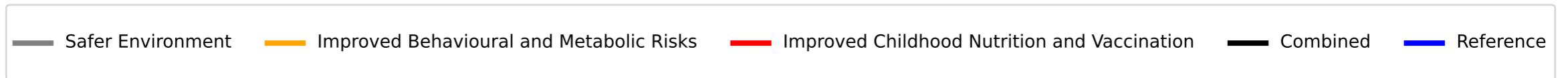
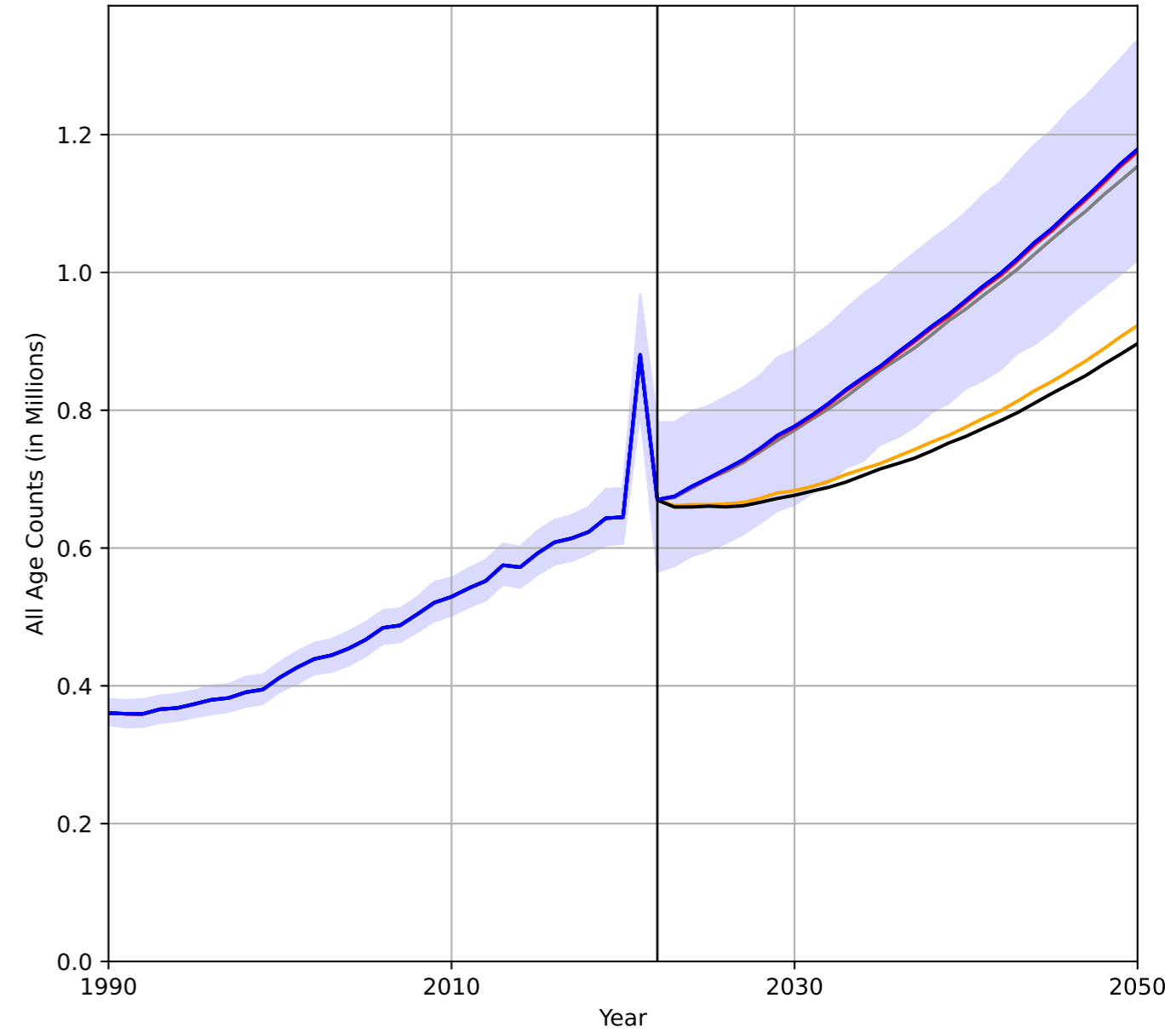
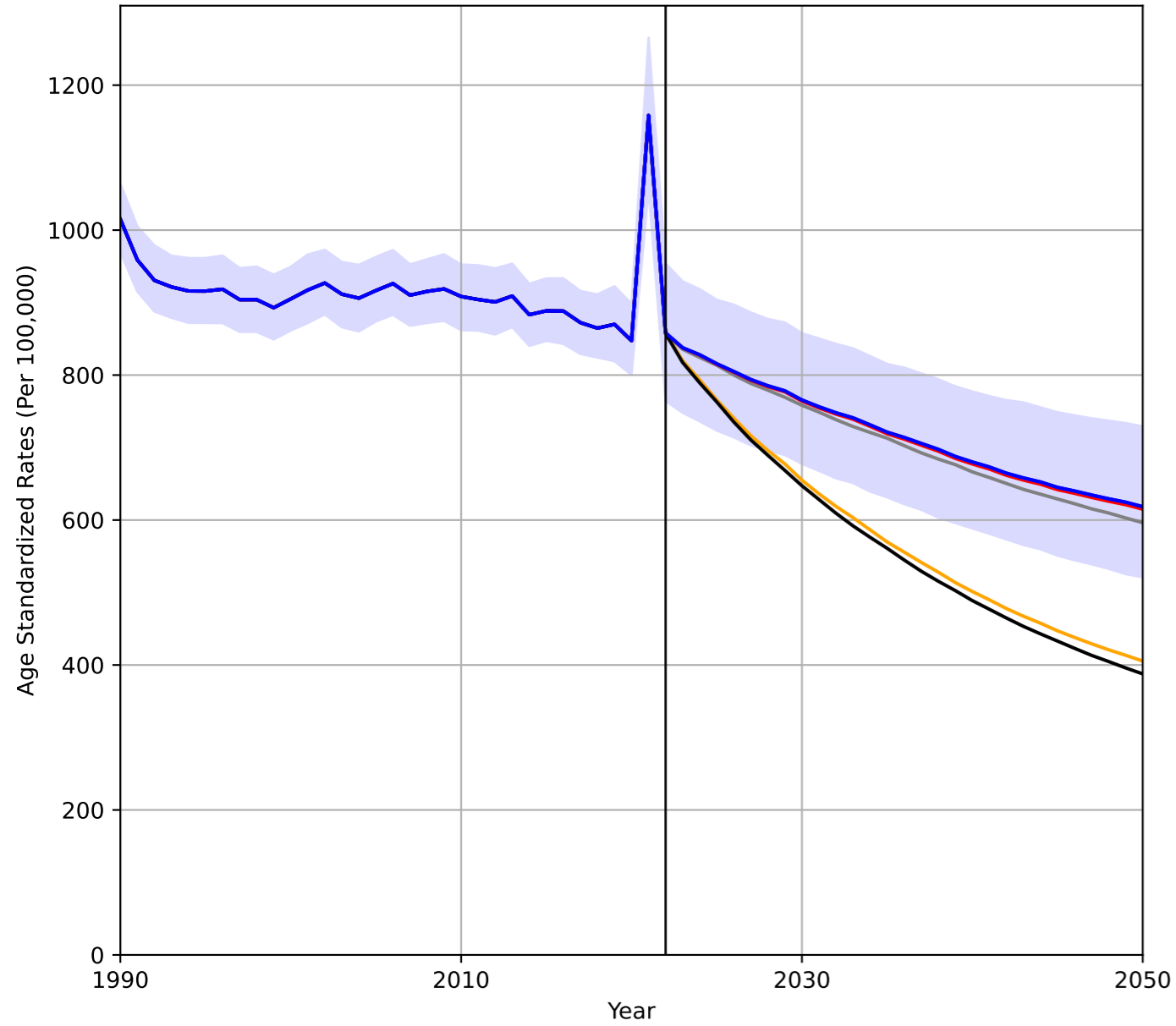
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# Philippines

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

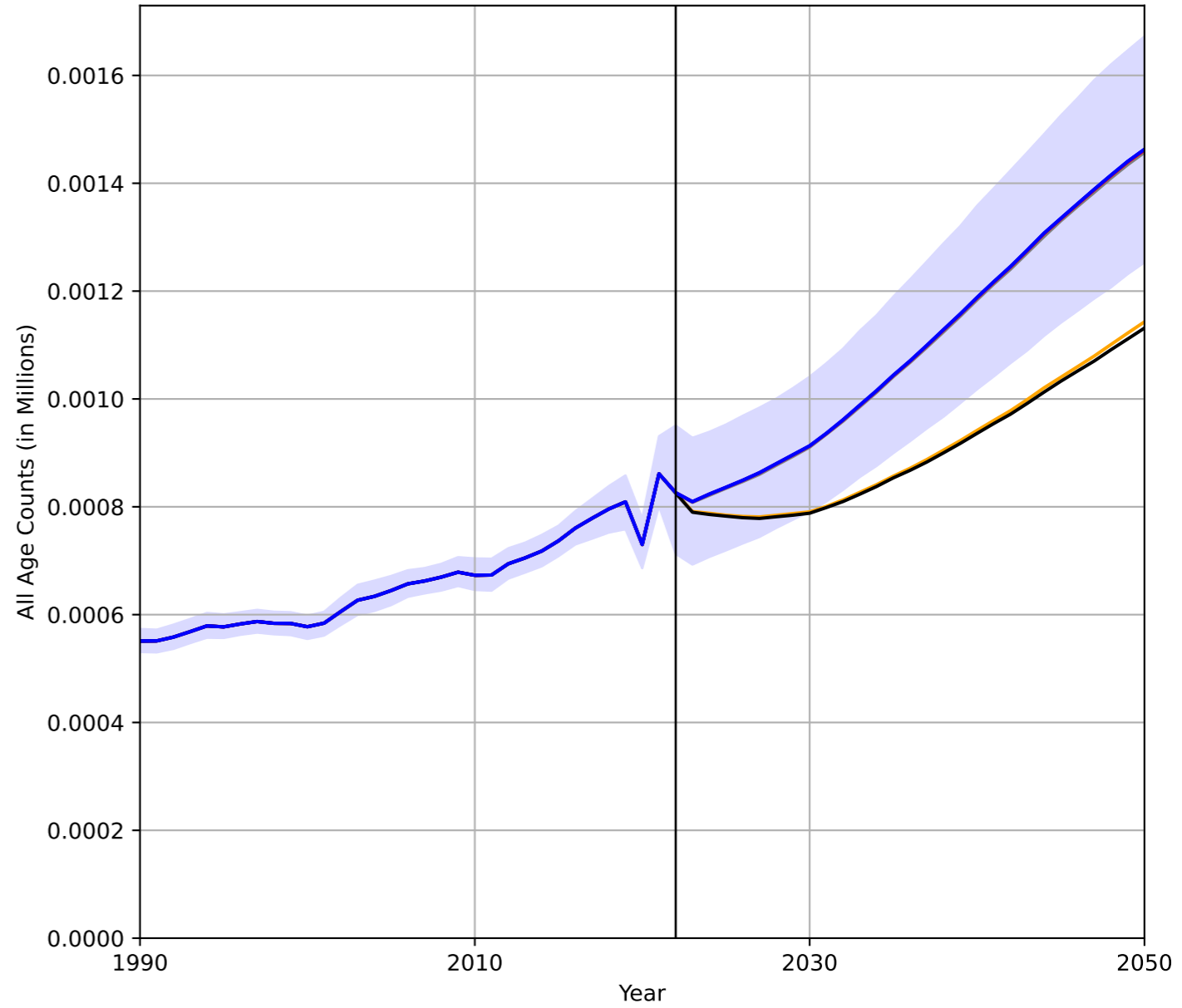
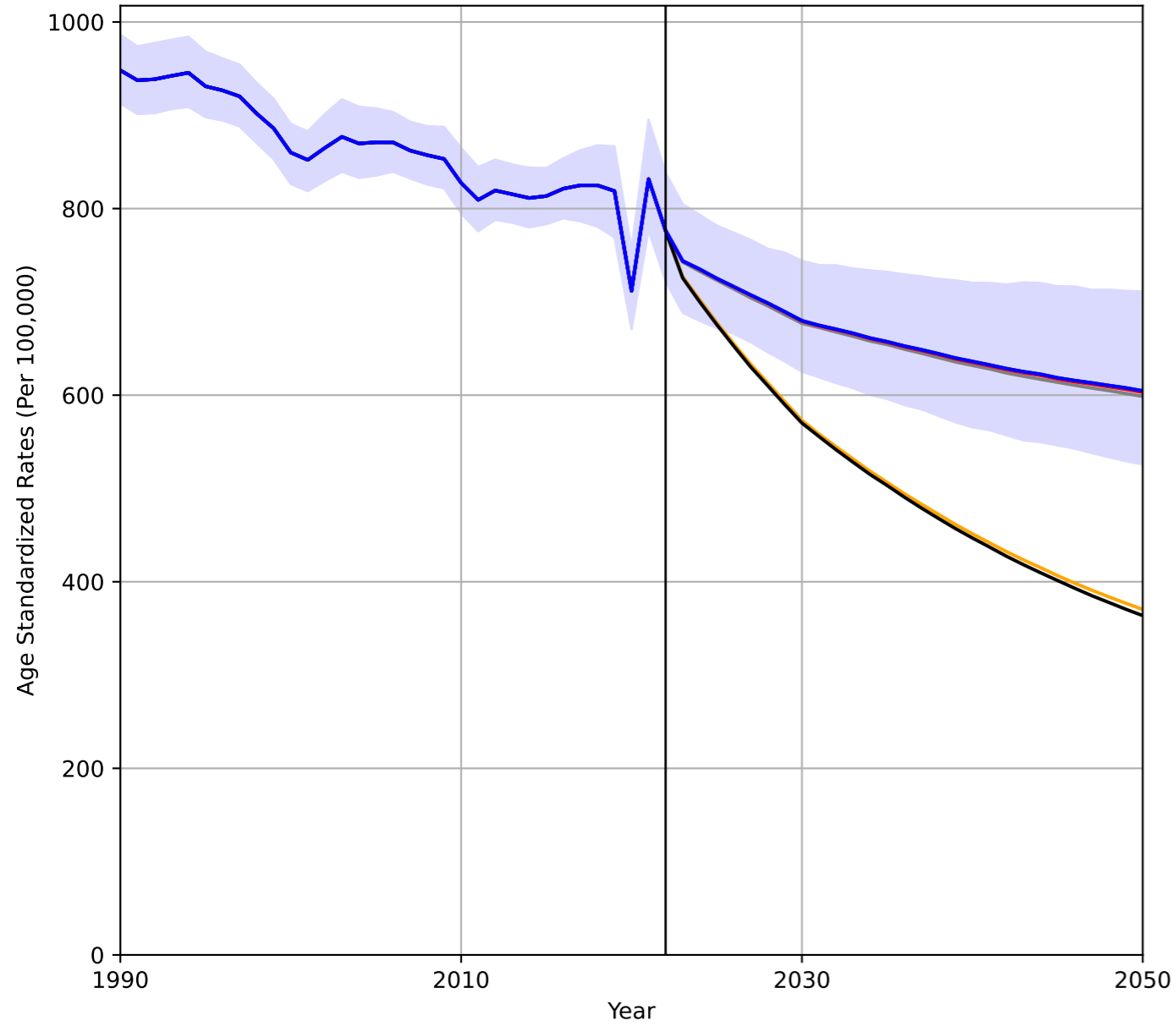
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# Seychelles

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

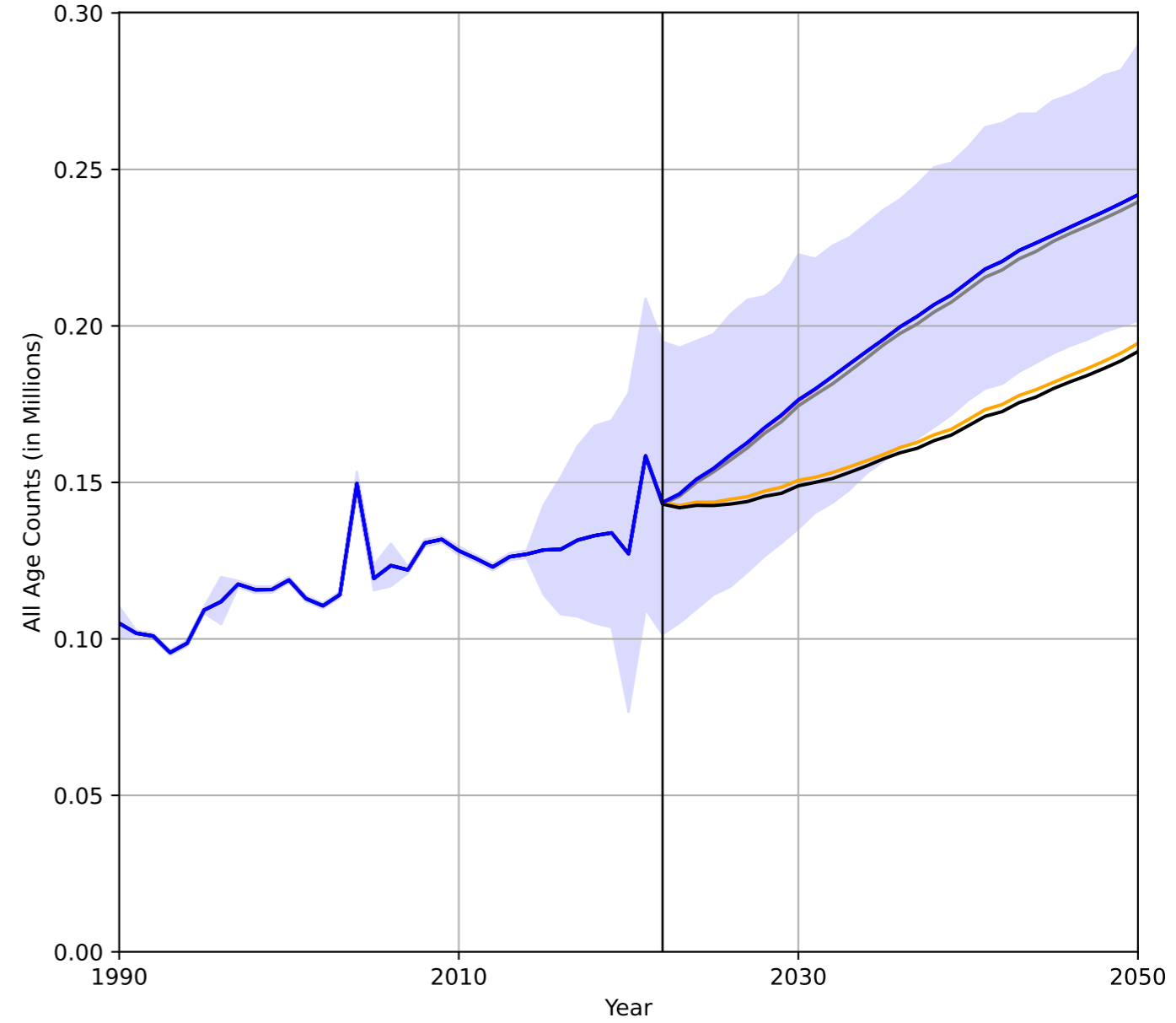
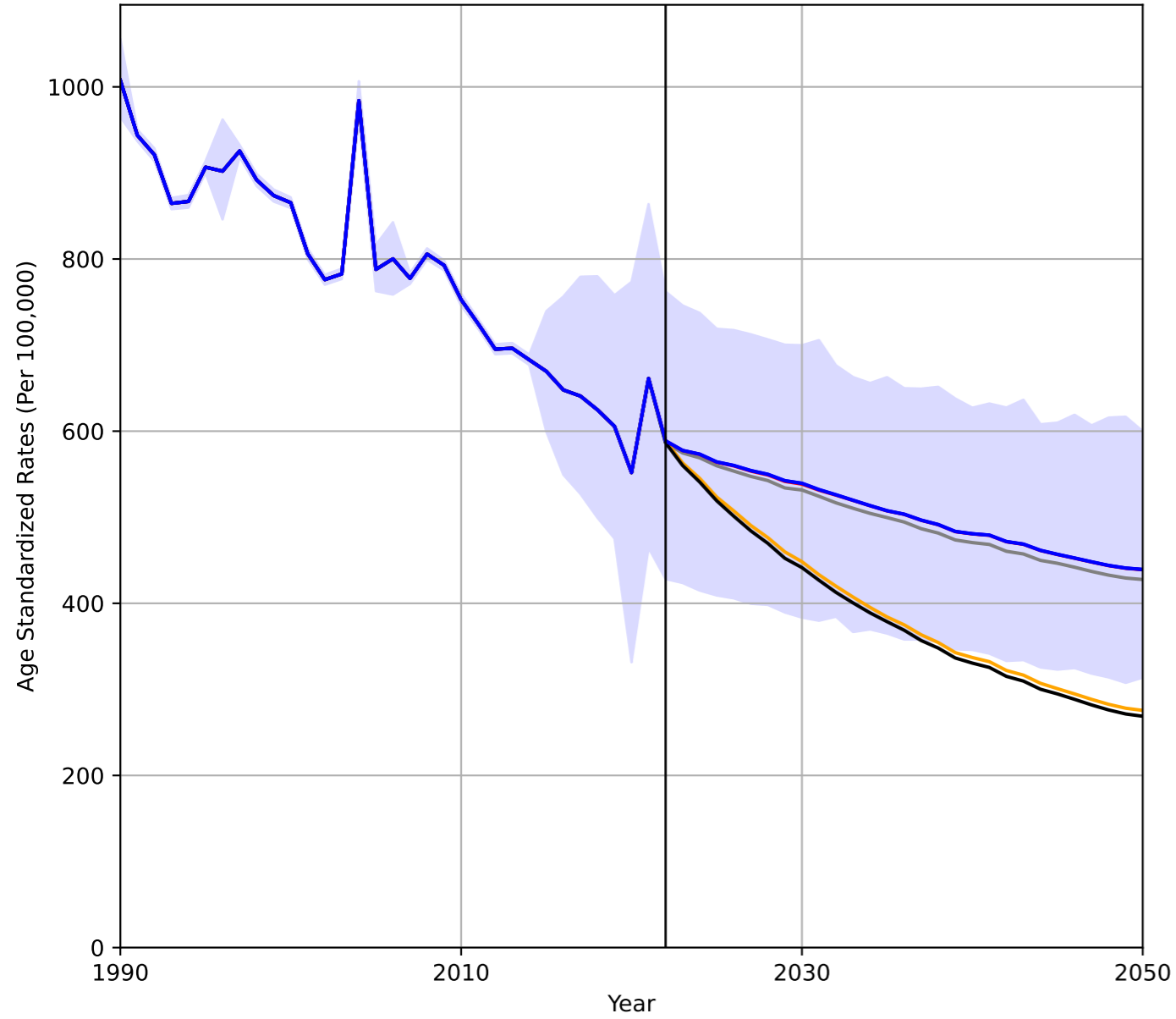
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# Sri Lanka

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

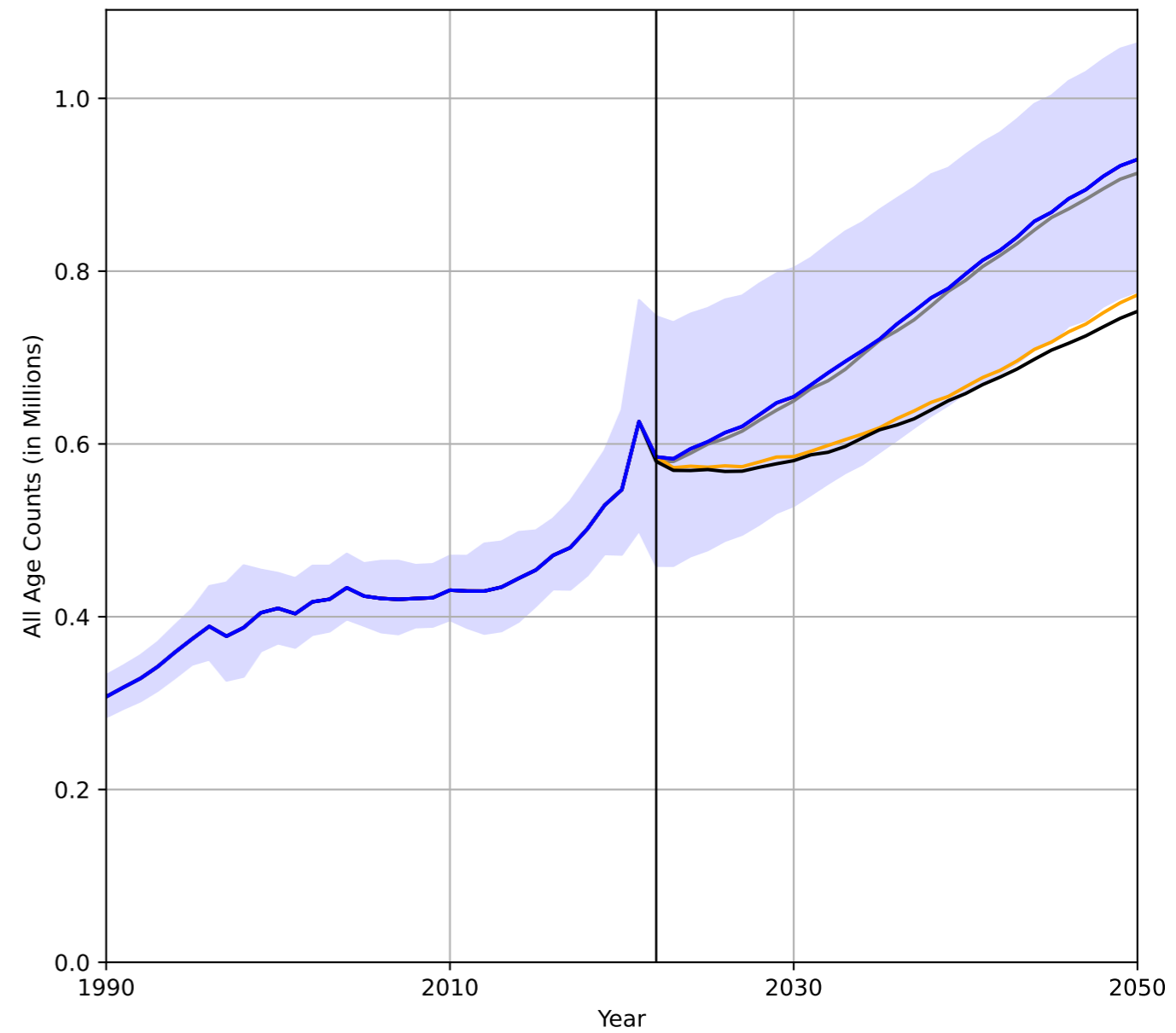
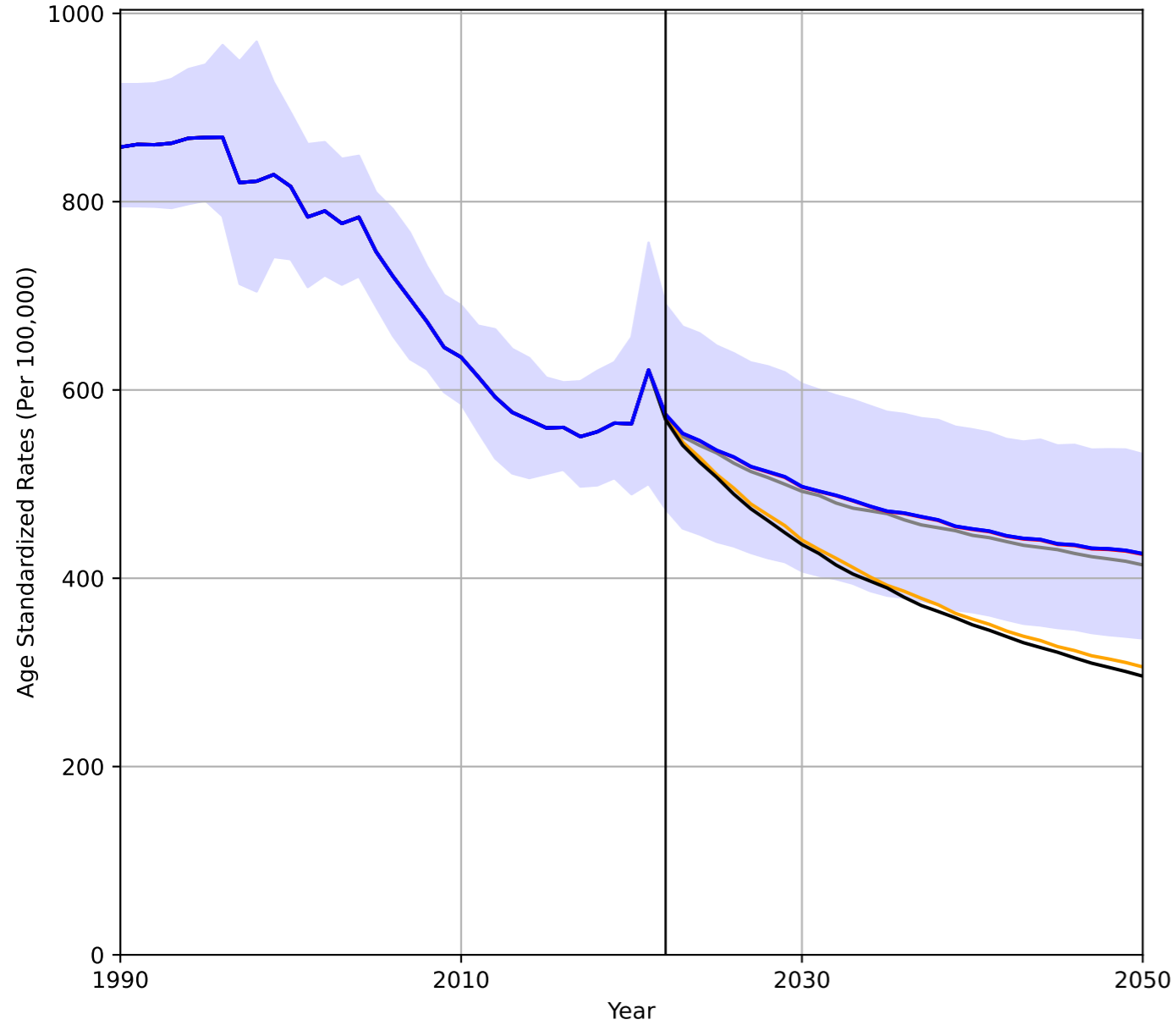
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# Thailand

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1799

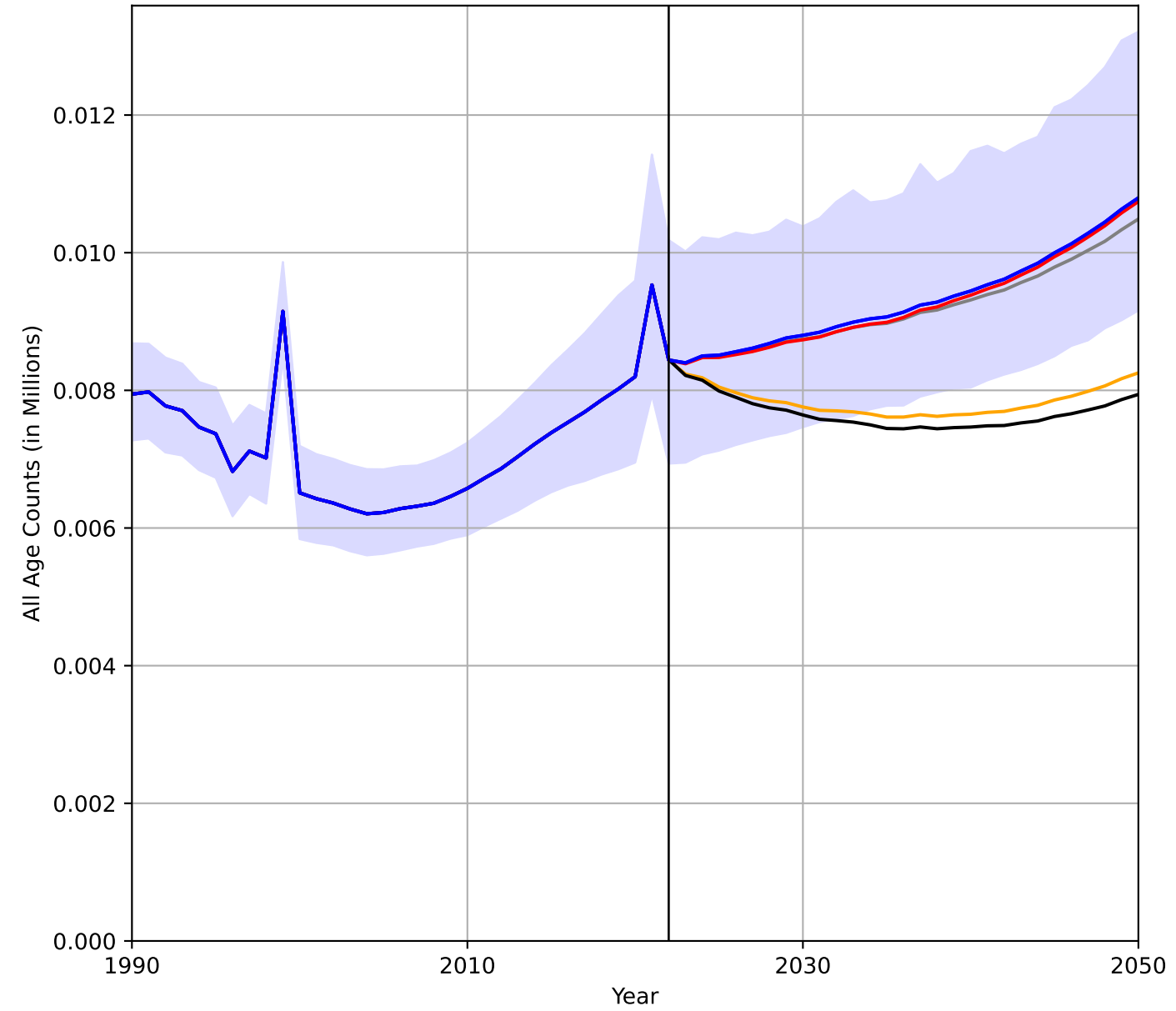
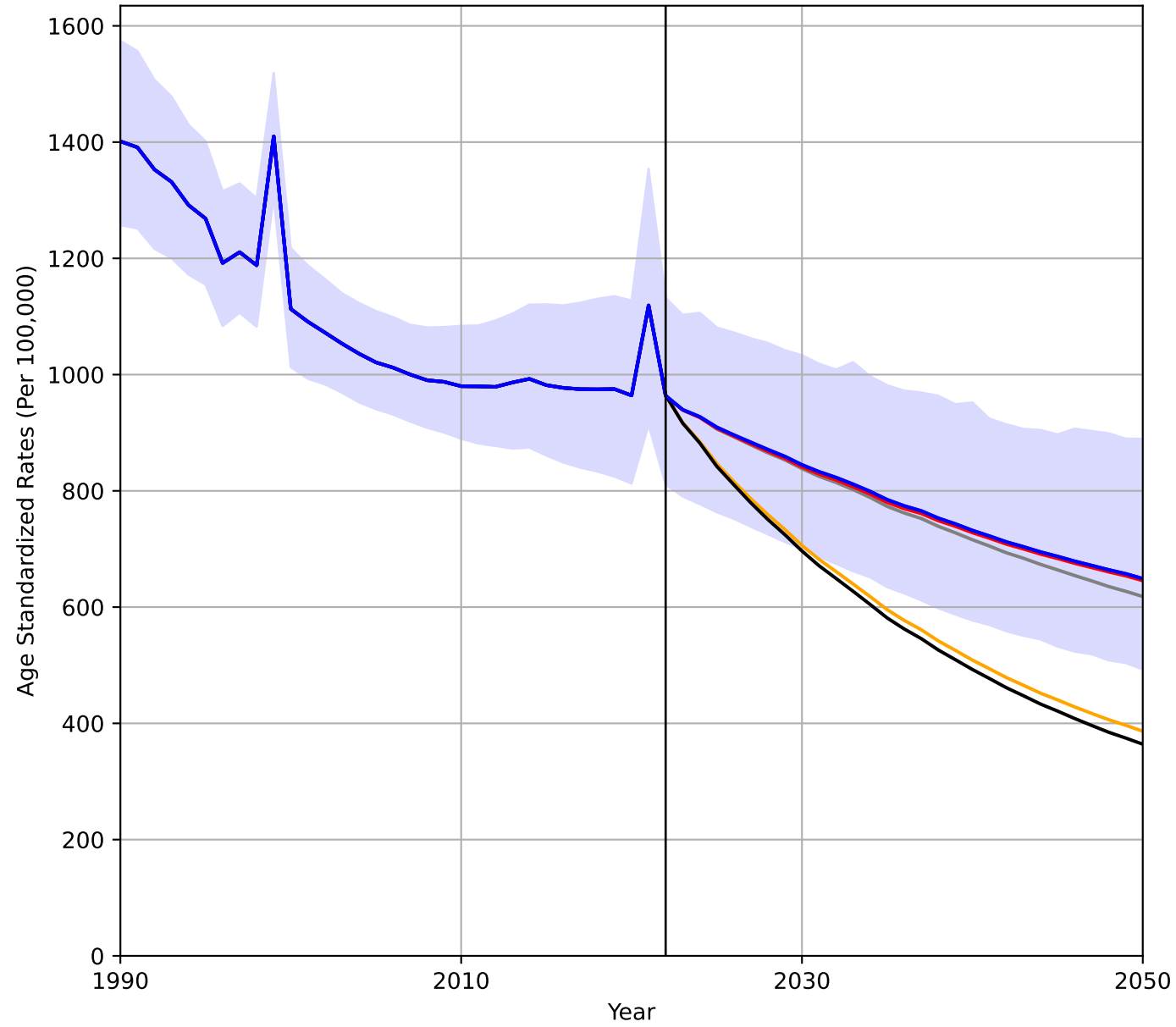




# Timor-Leste

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

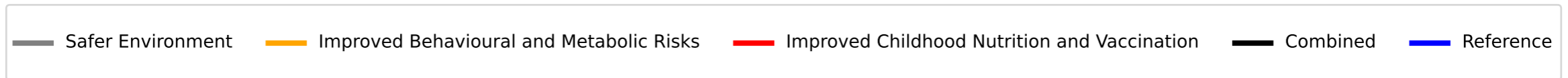
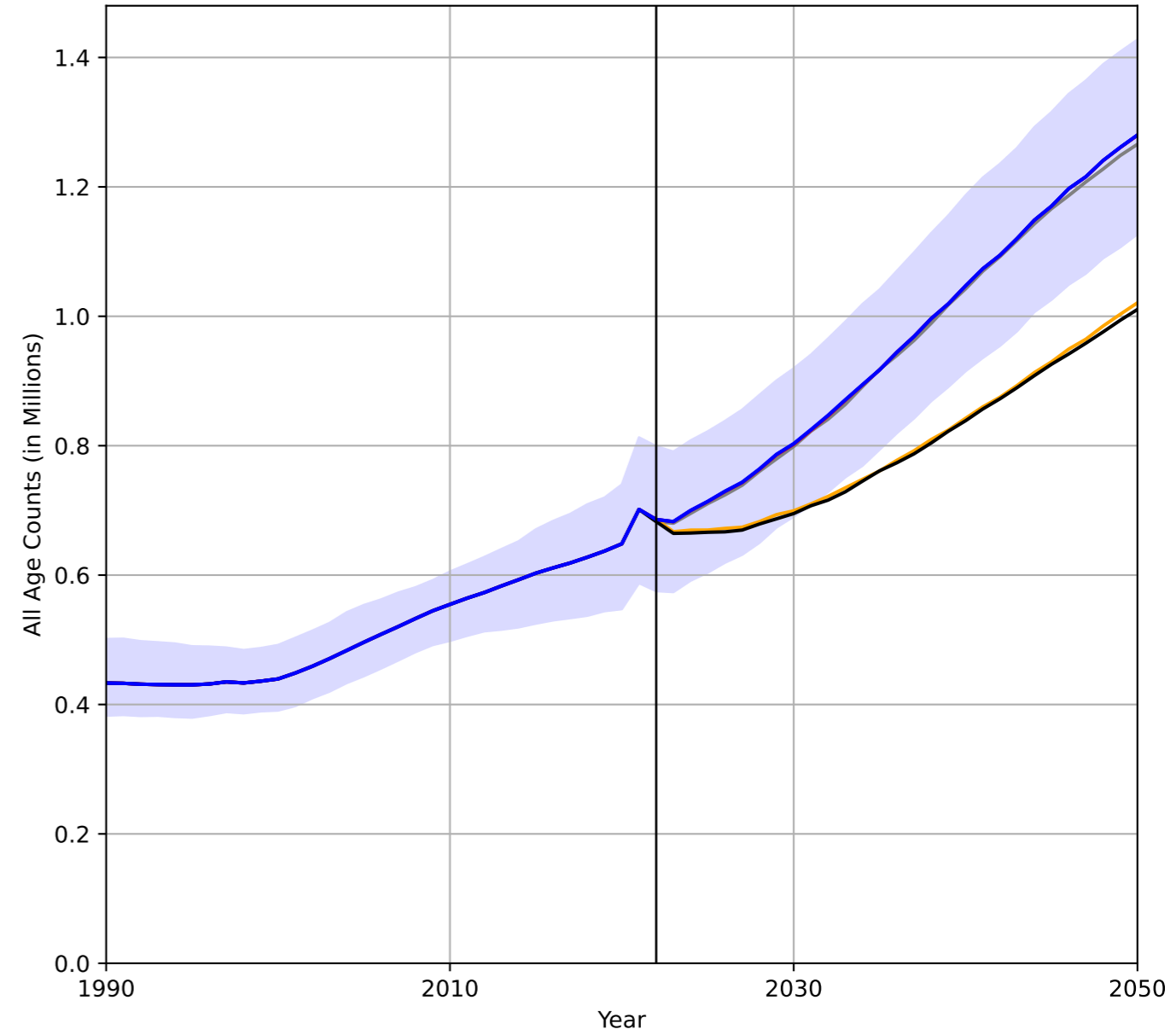
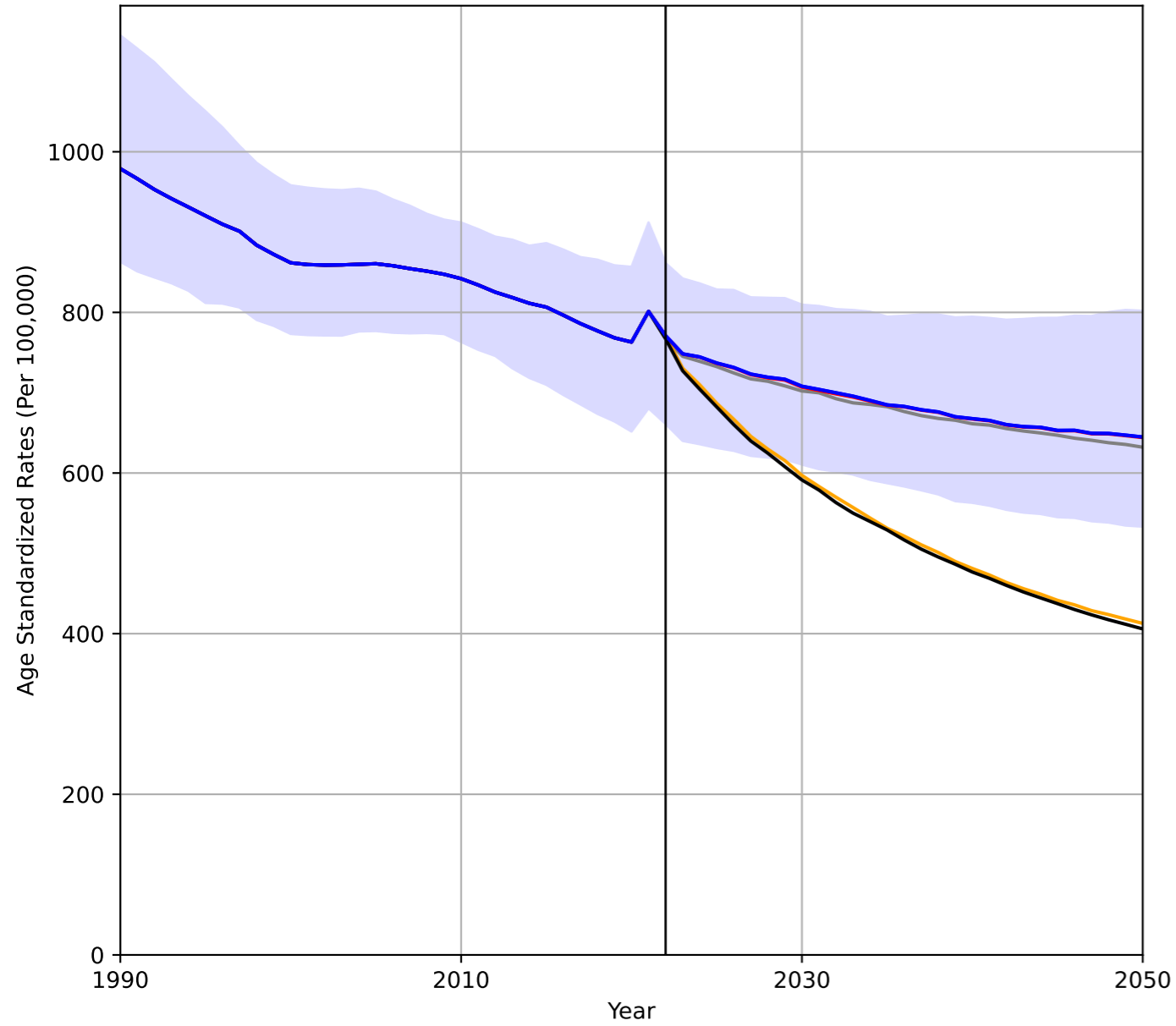
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# Viet Nam

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

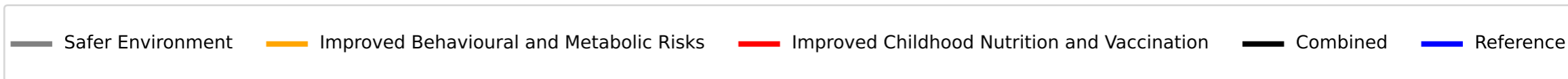
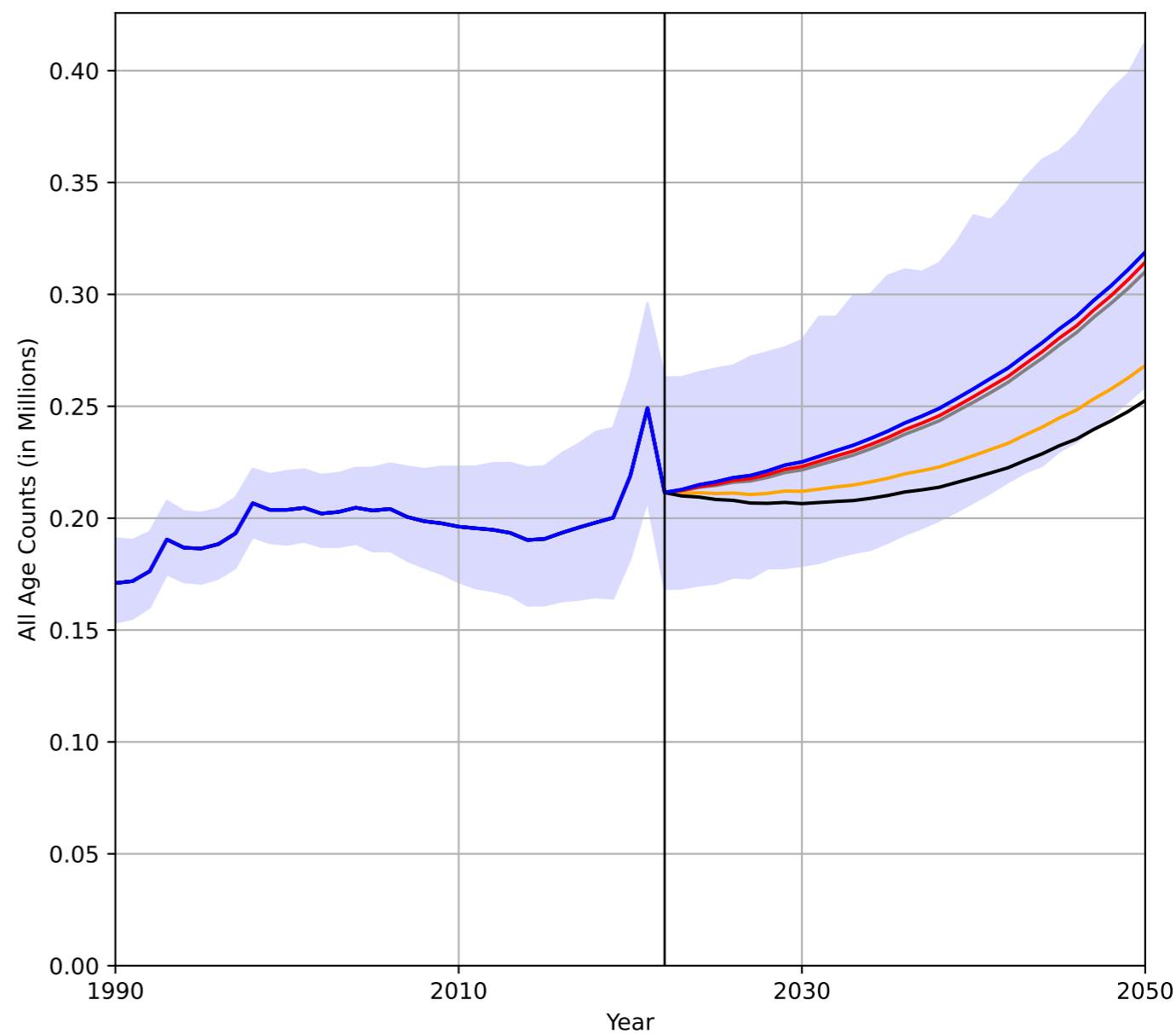
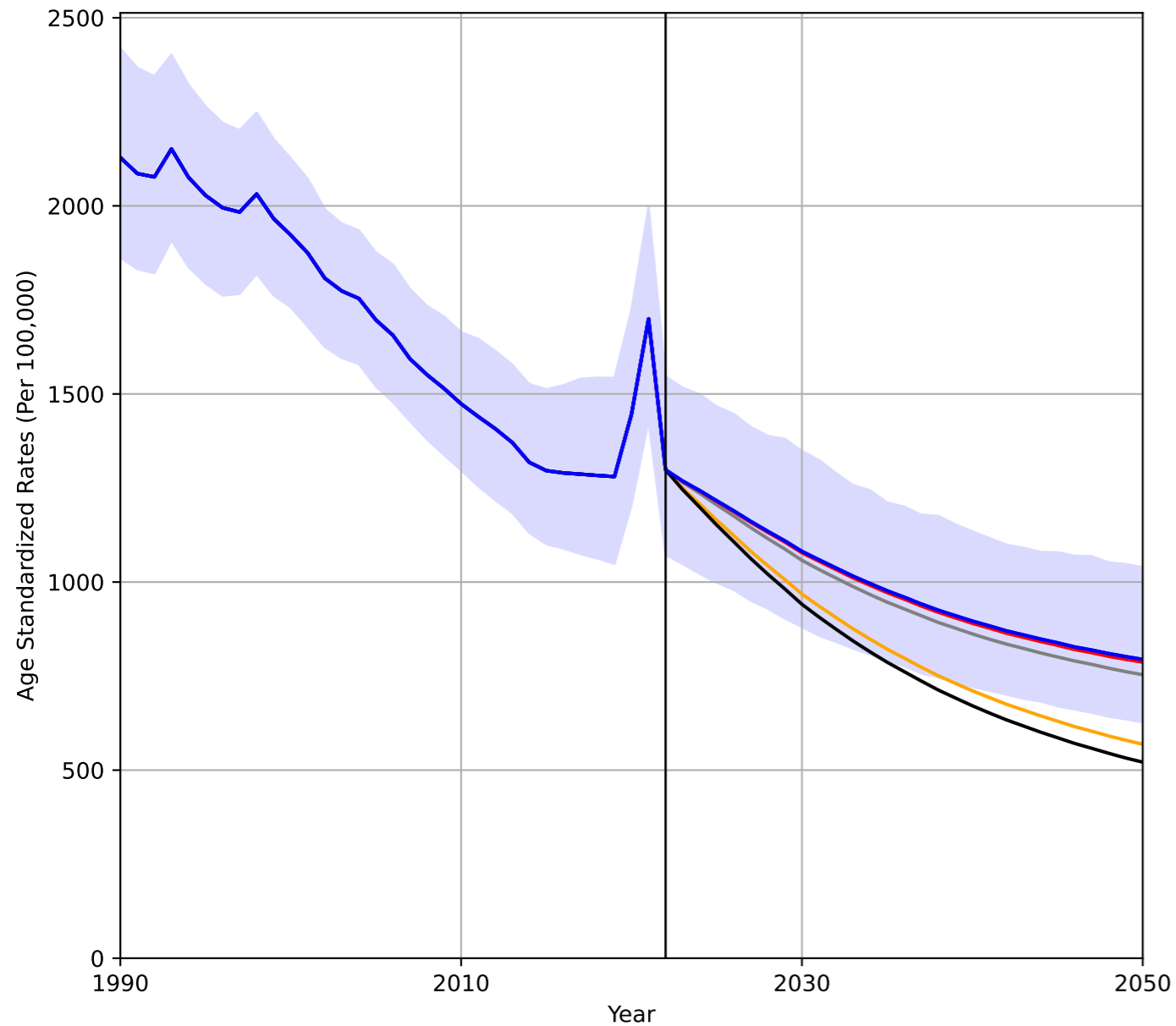
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# Angola

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

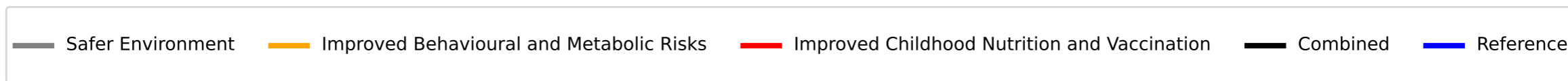
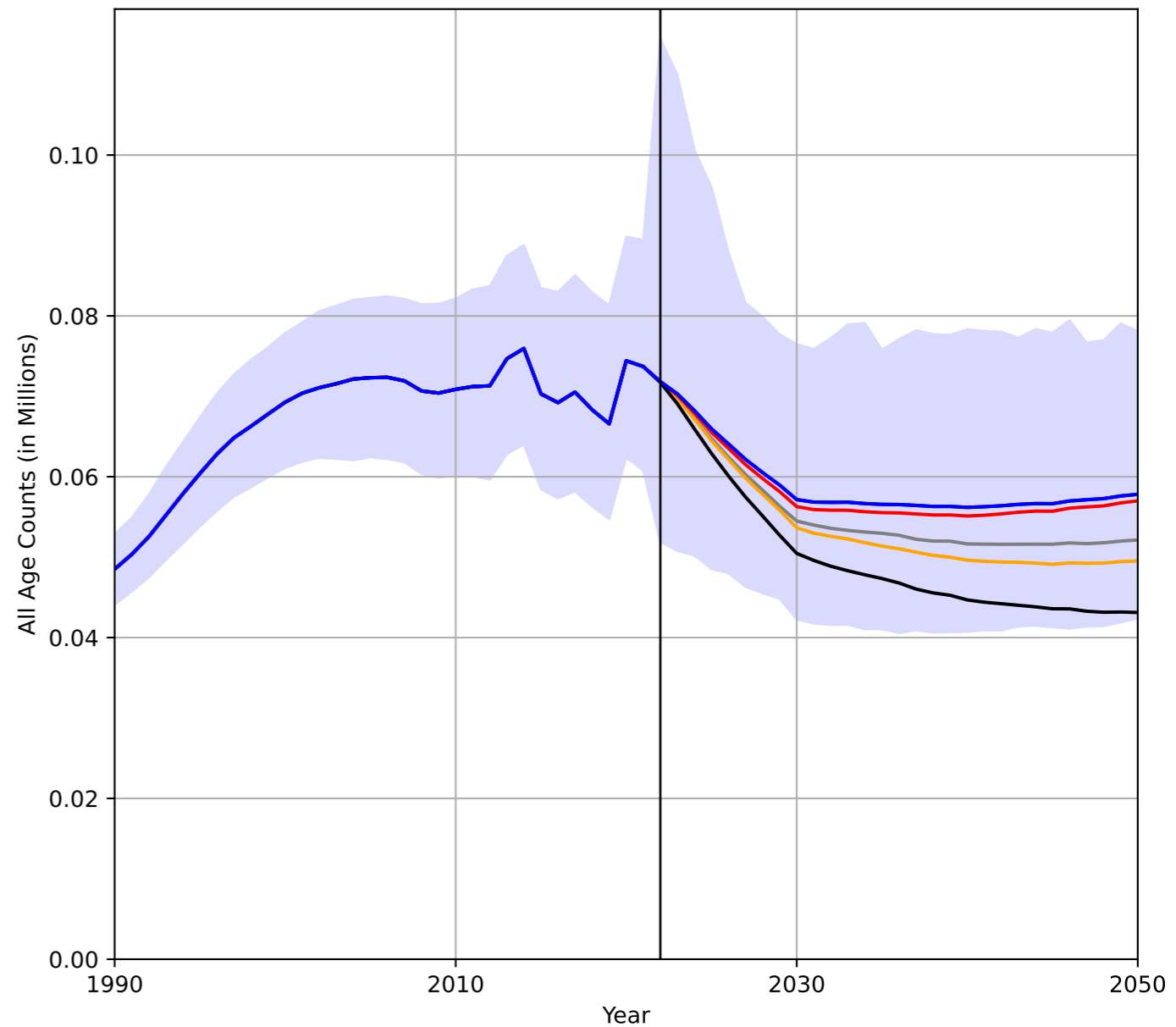
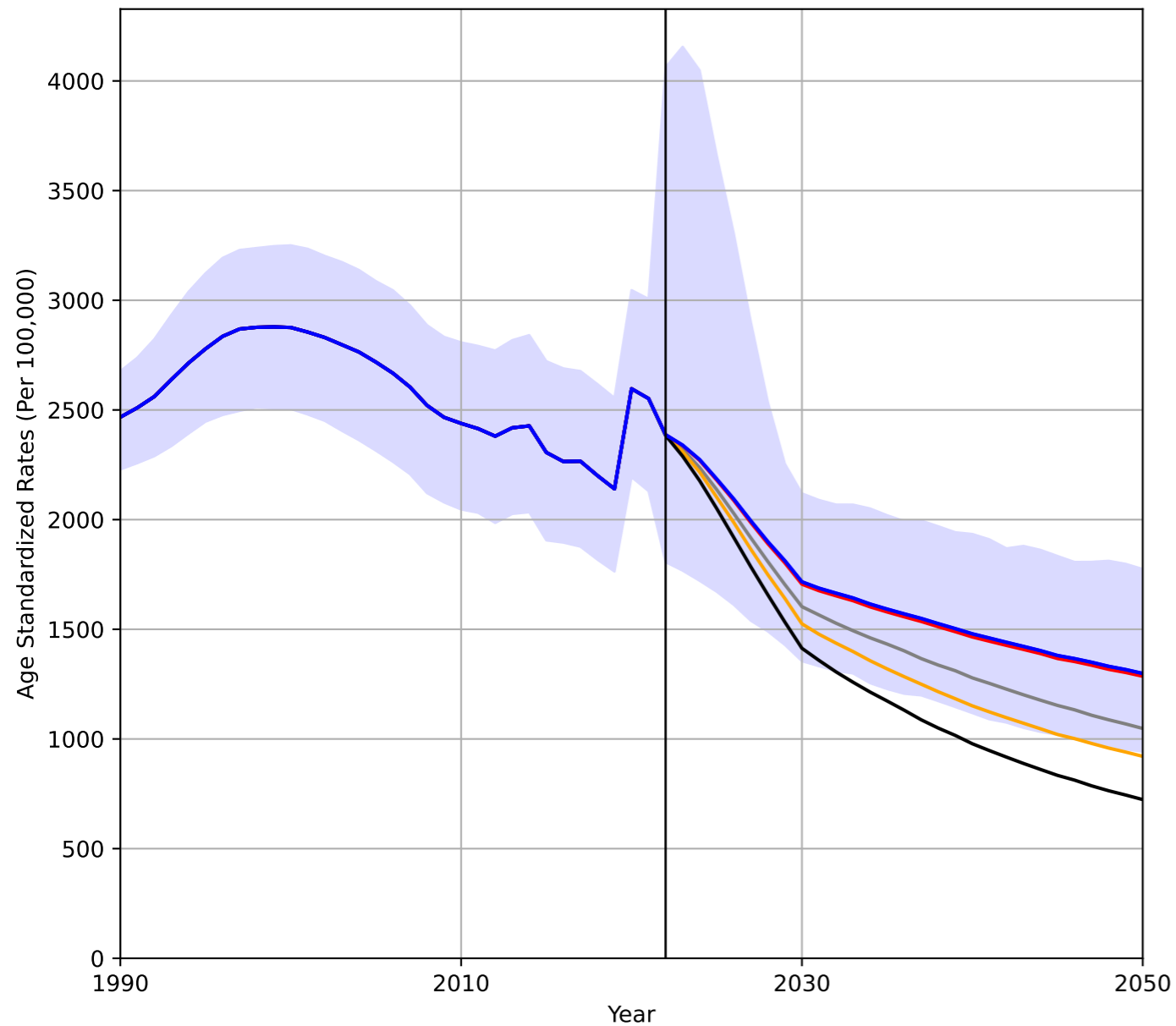
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# Central African Republic

1803

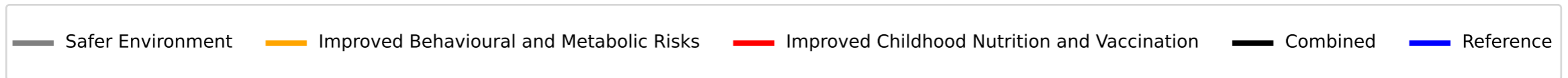
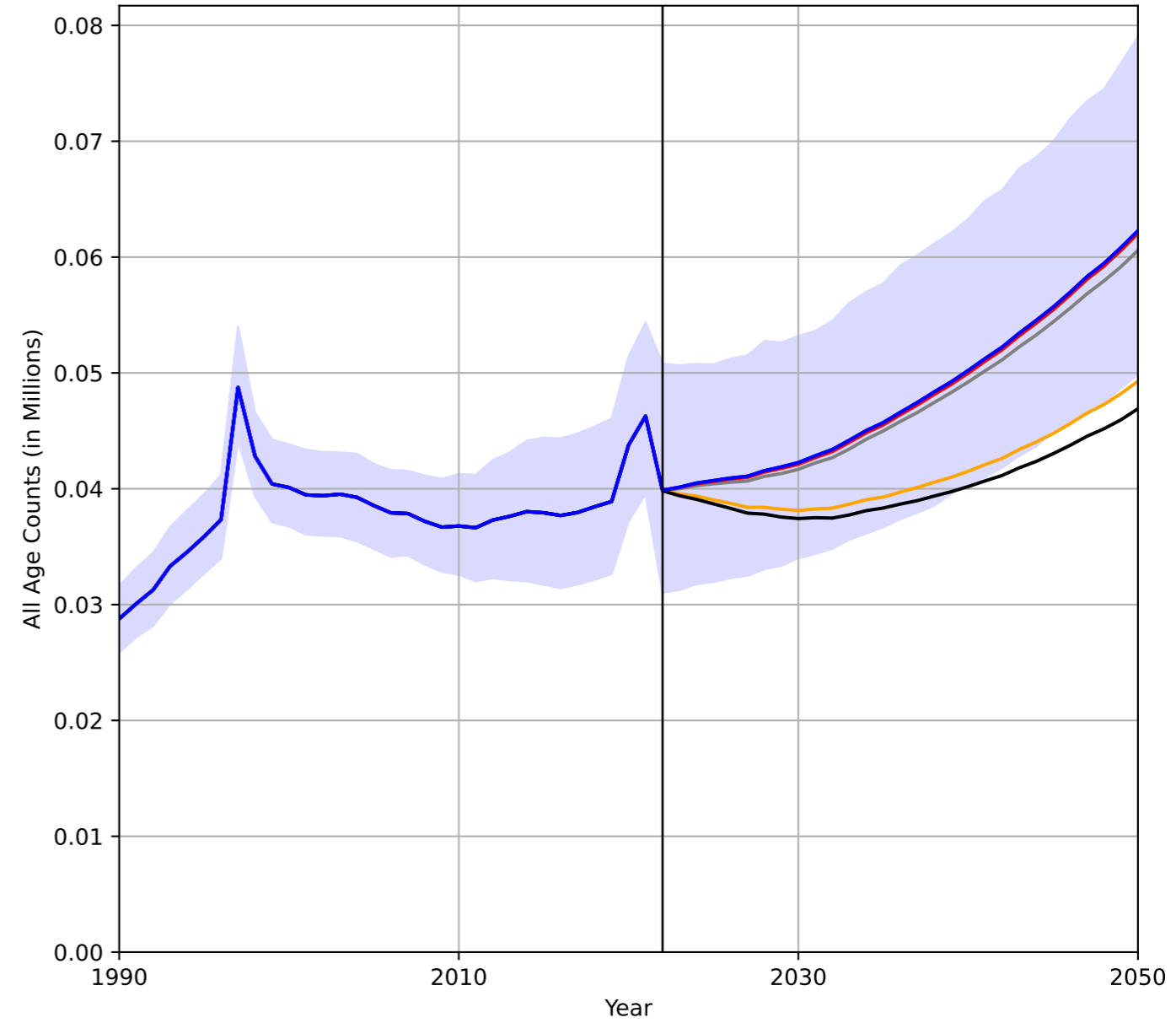
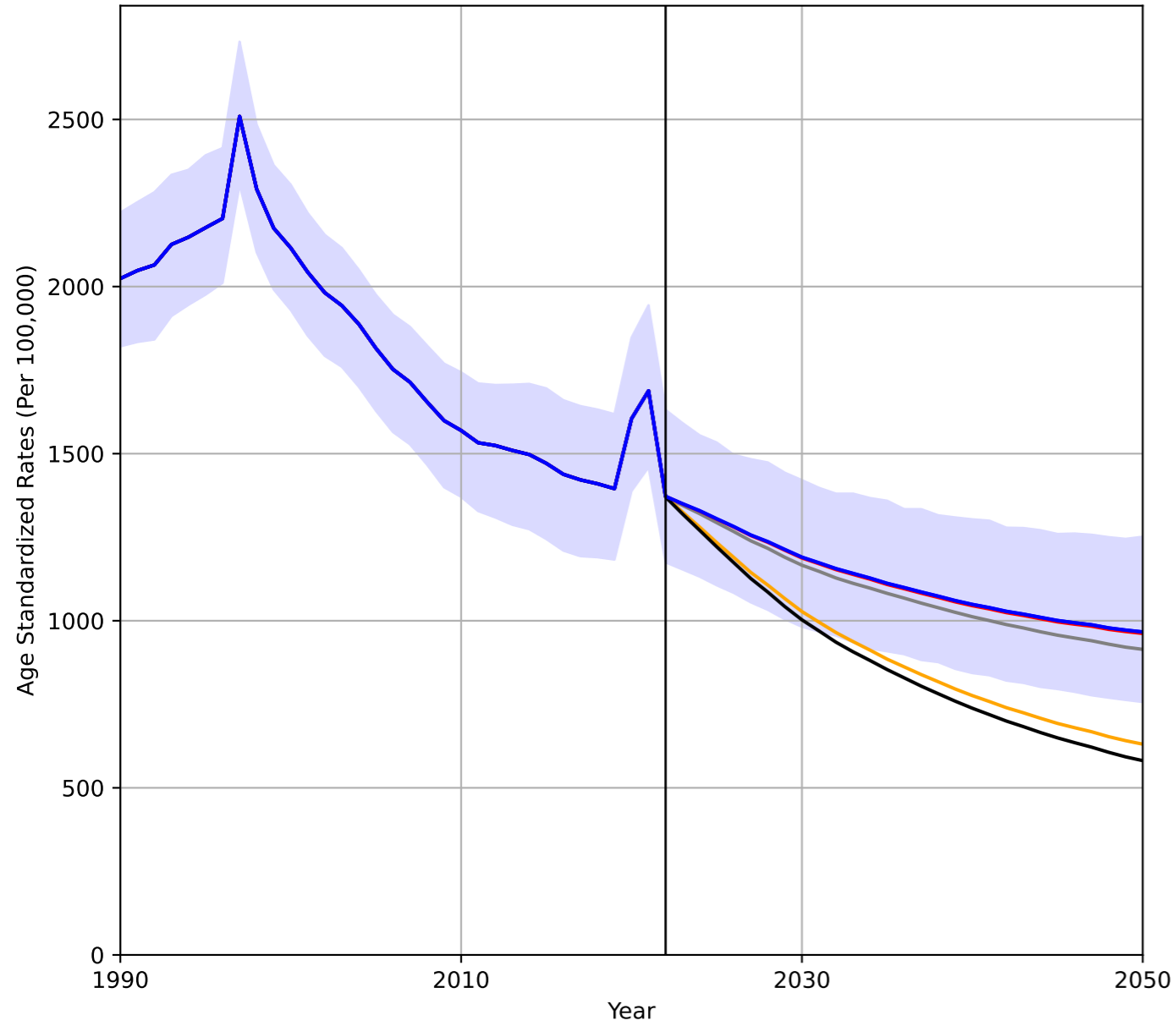
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



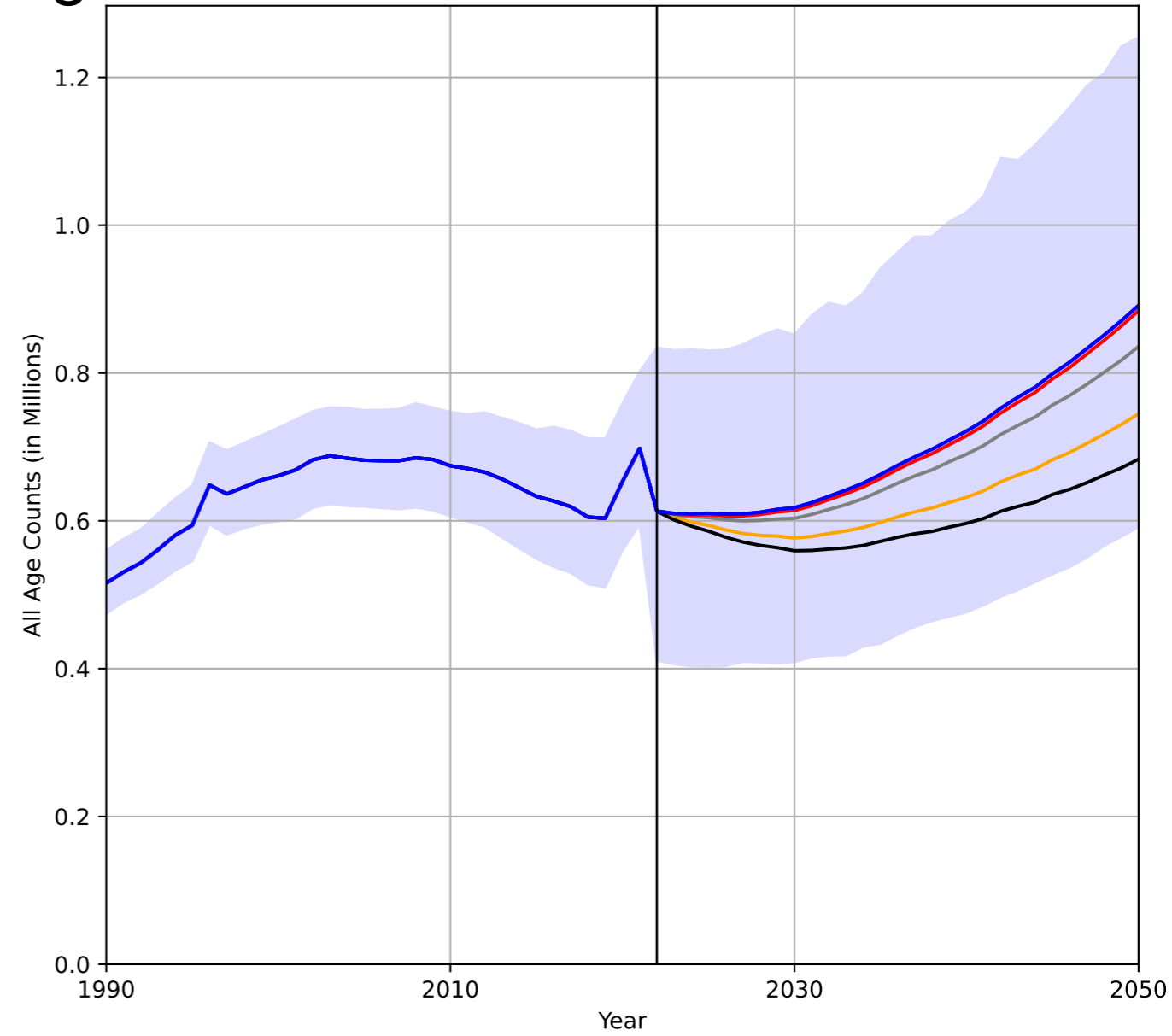
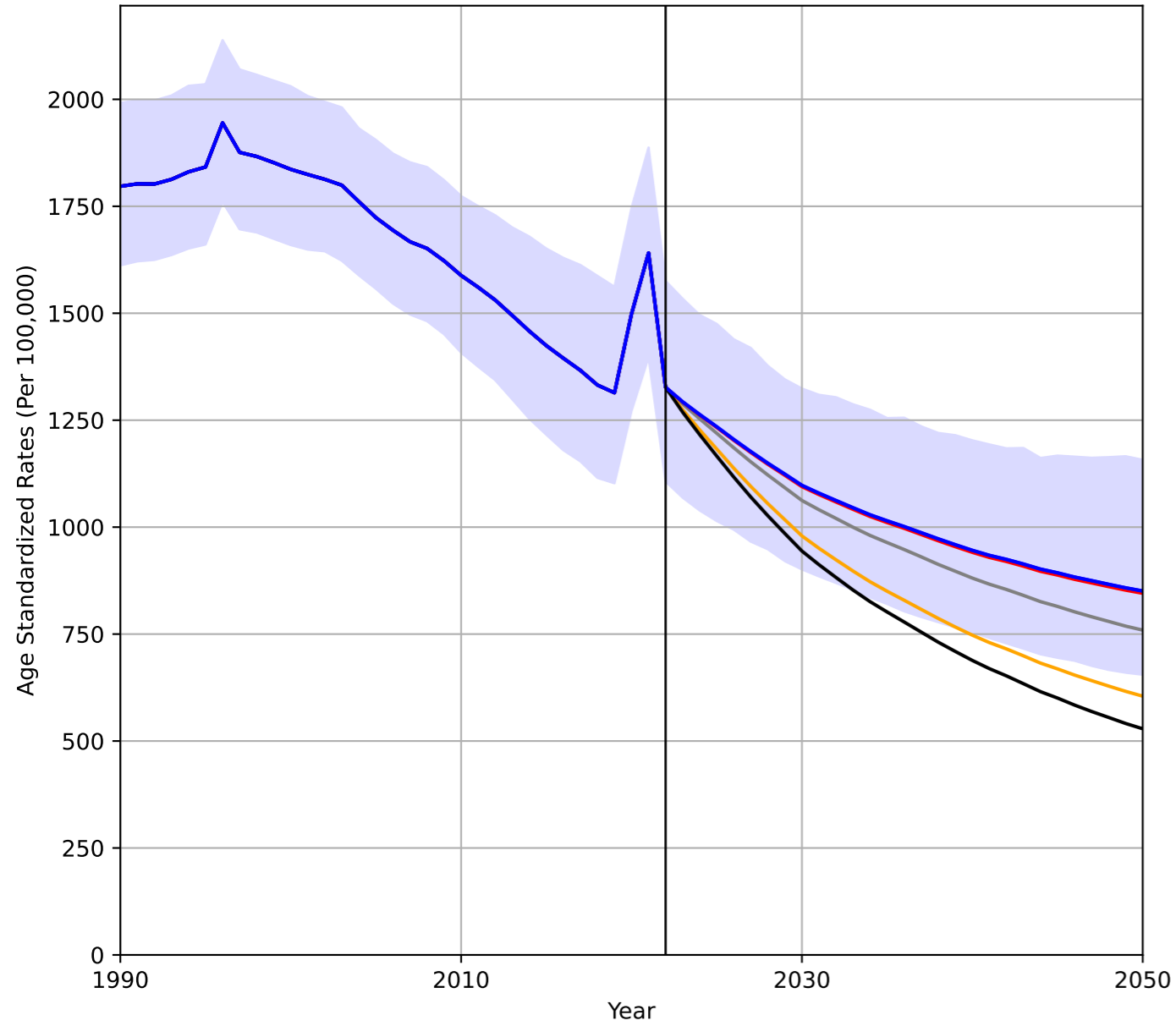
# Congo (Brazzaville)

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1804



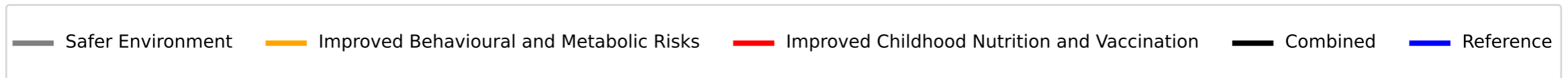
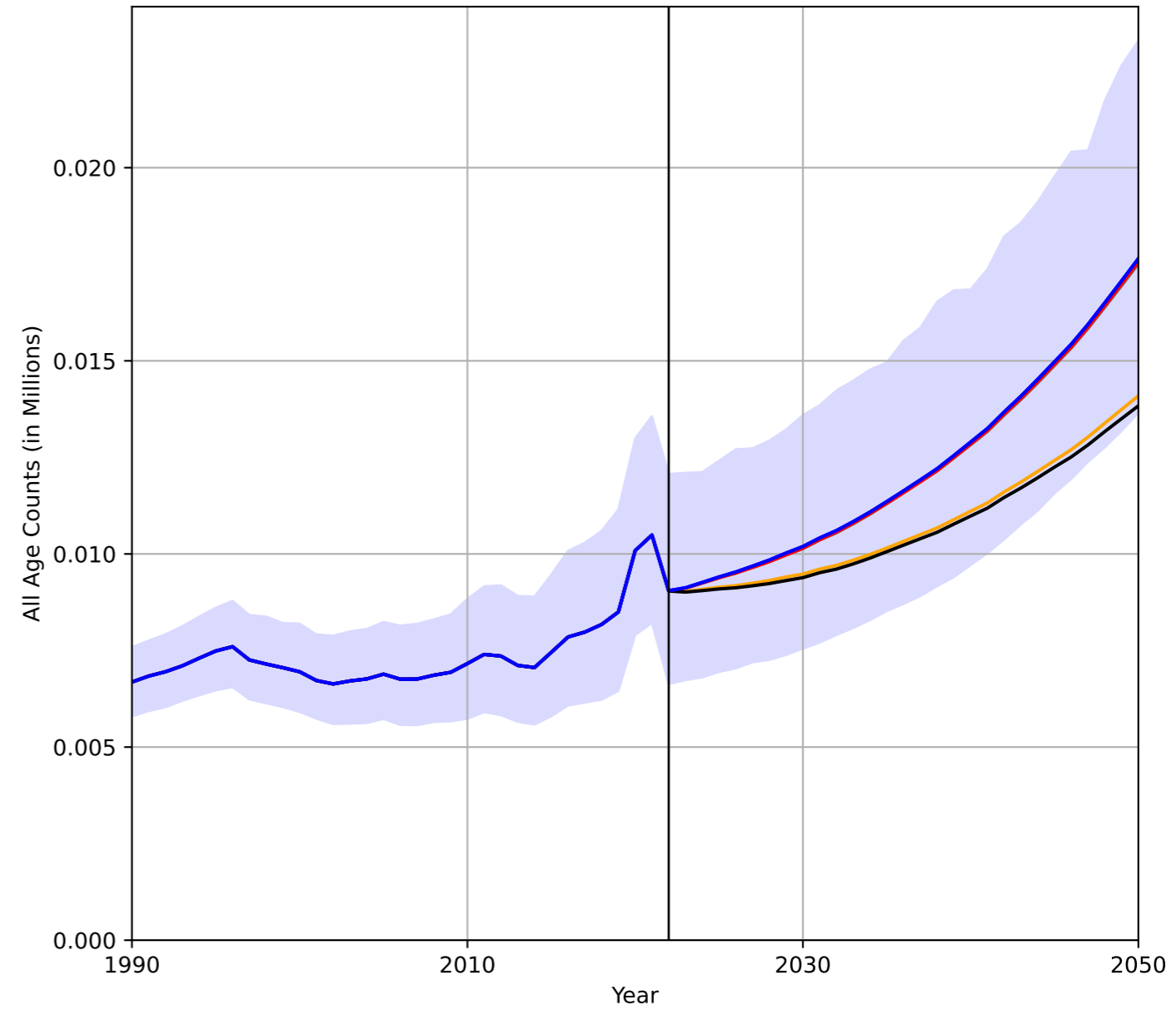
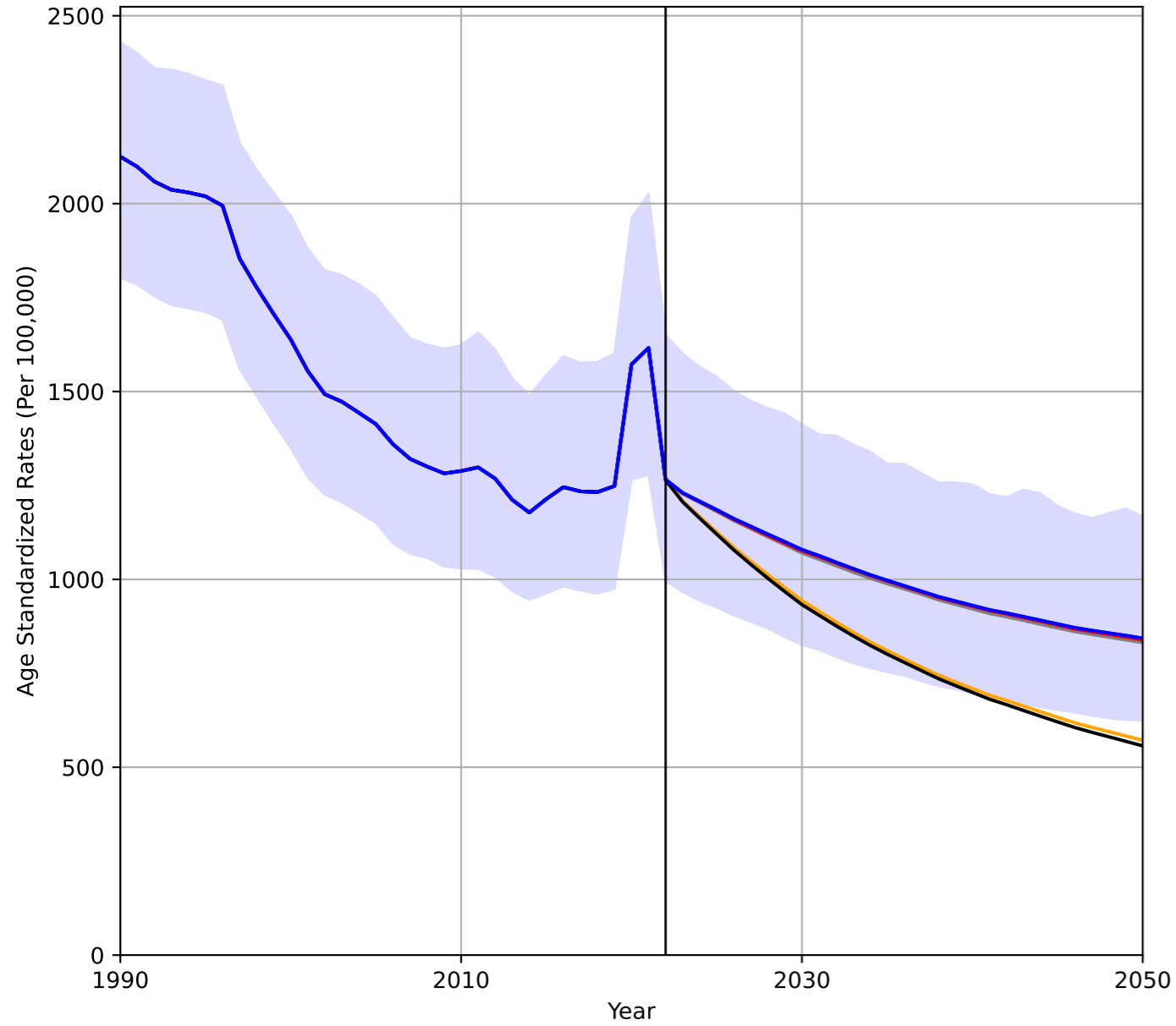
# DR Congo



# Equatorial Guinea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

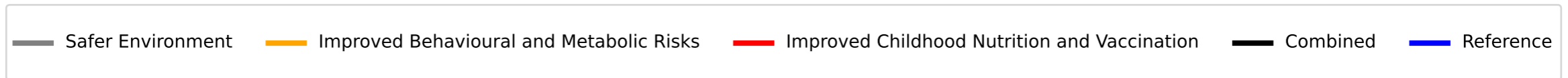
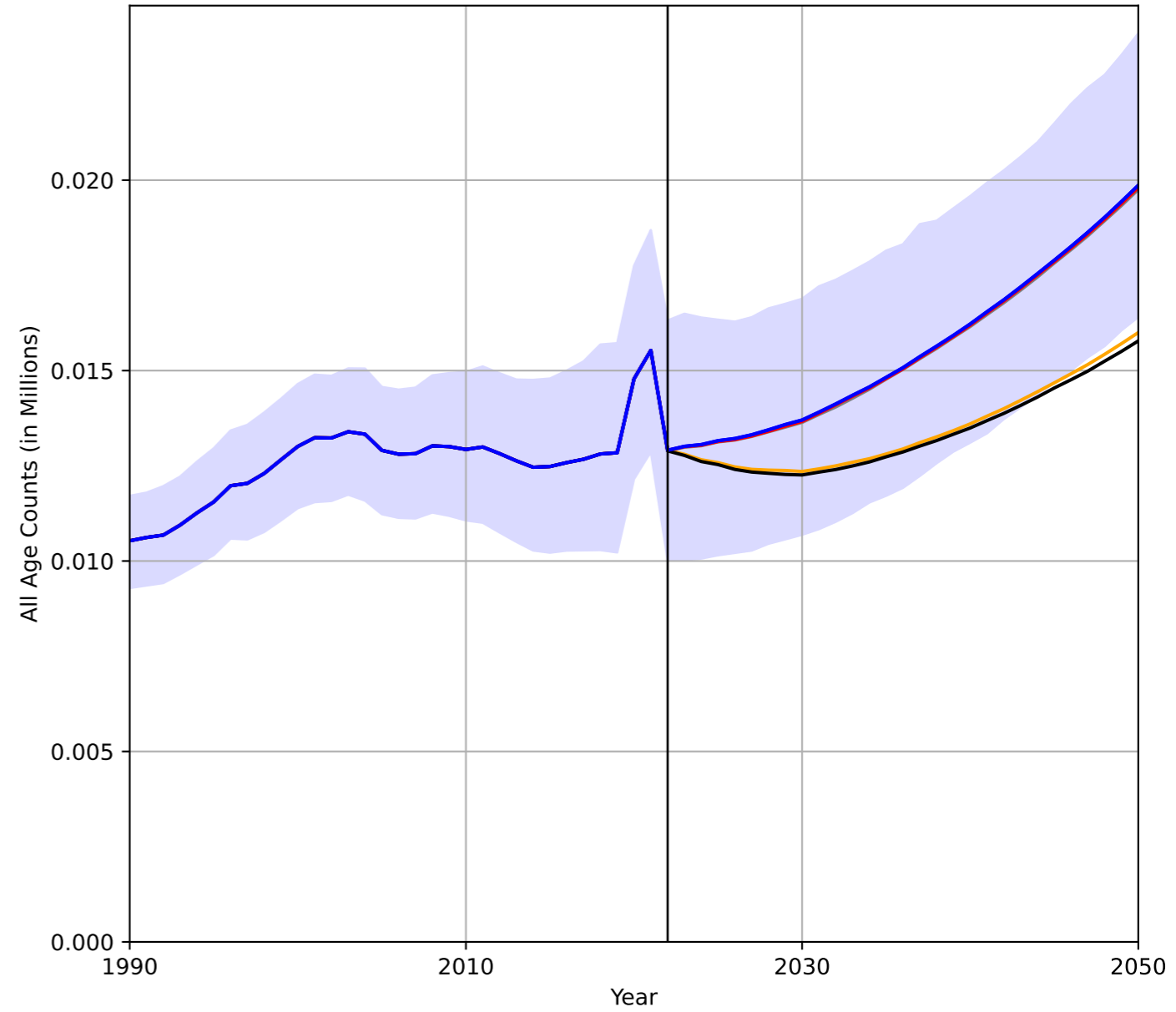
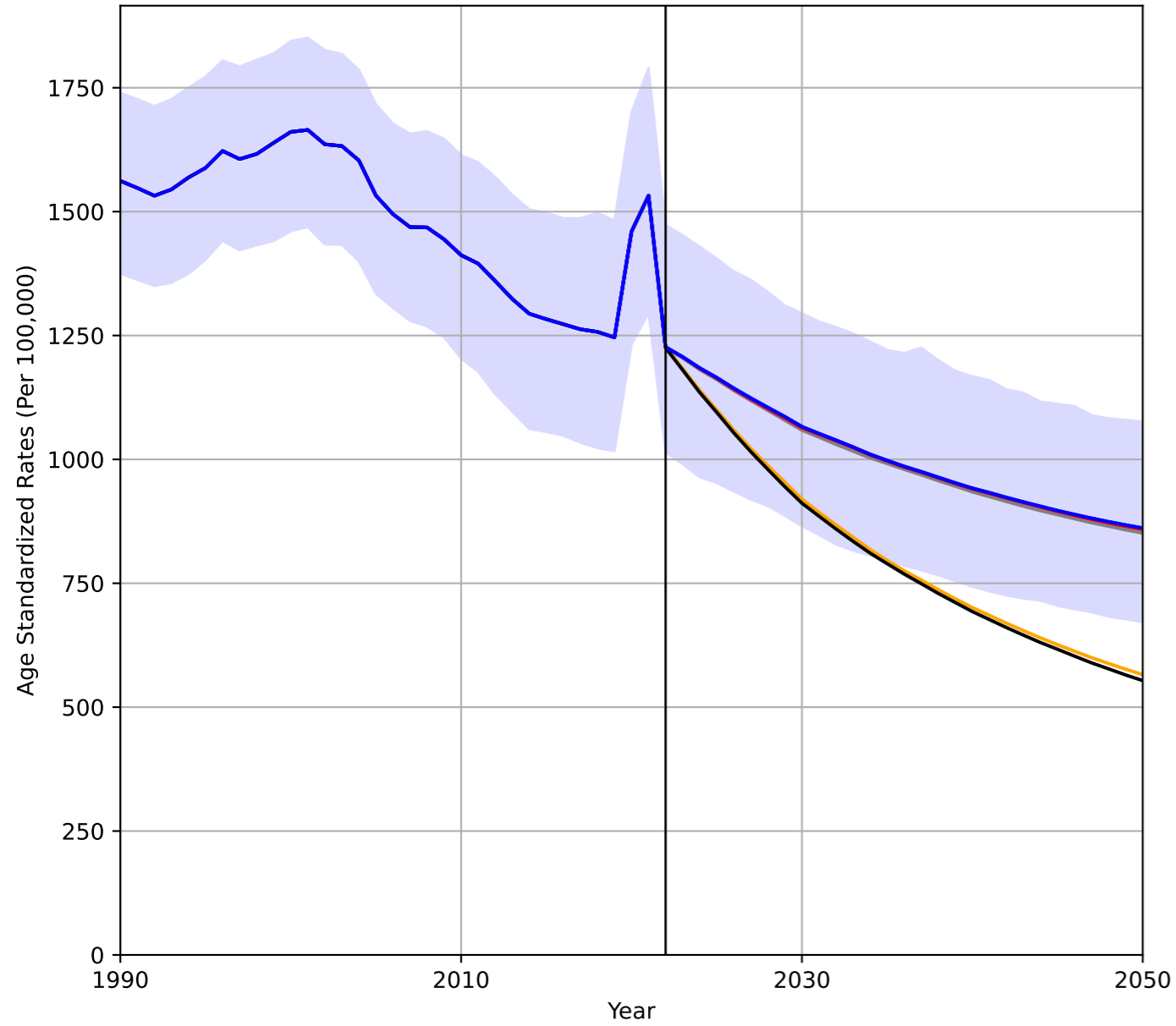
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# Gabon

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1807

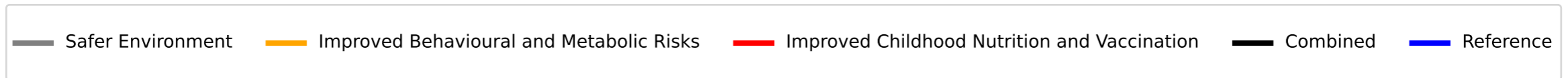
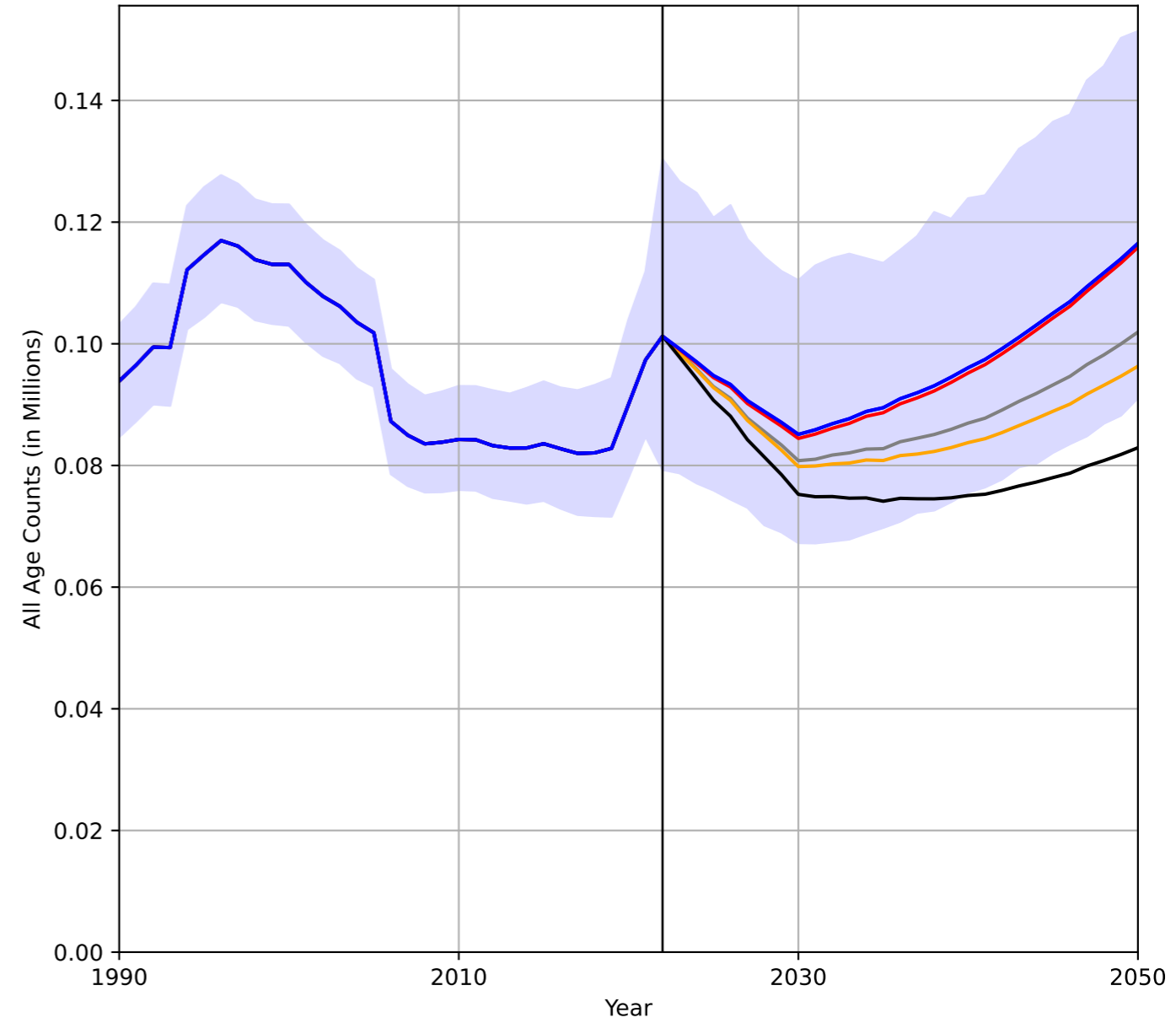
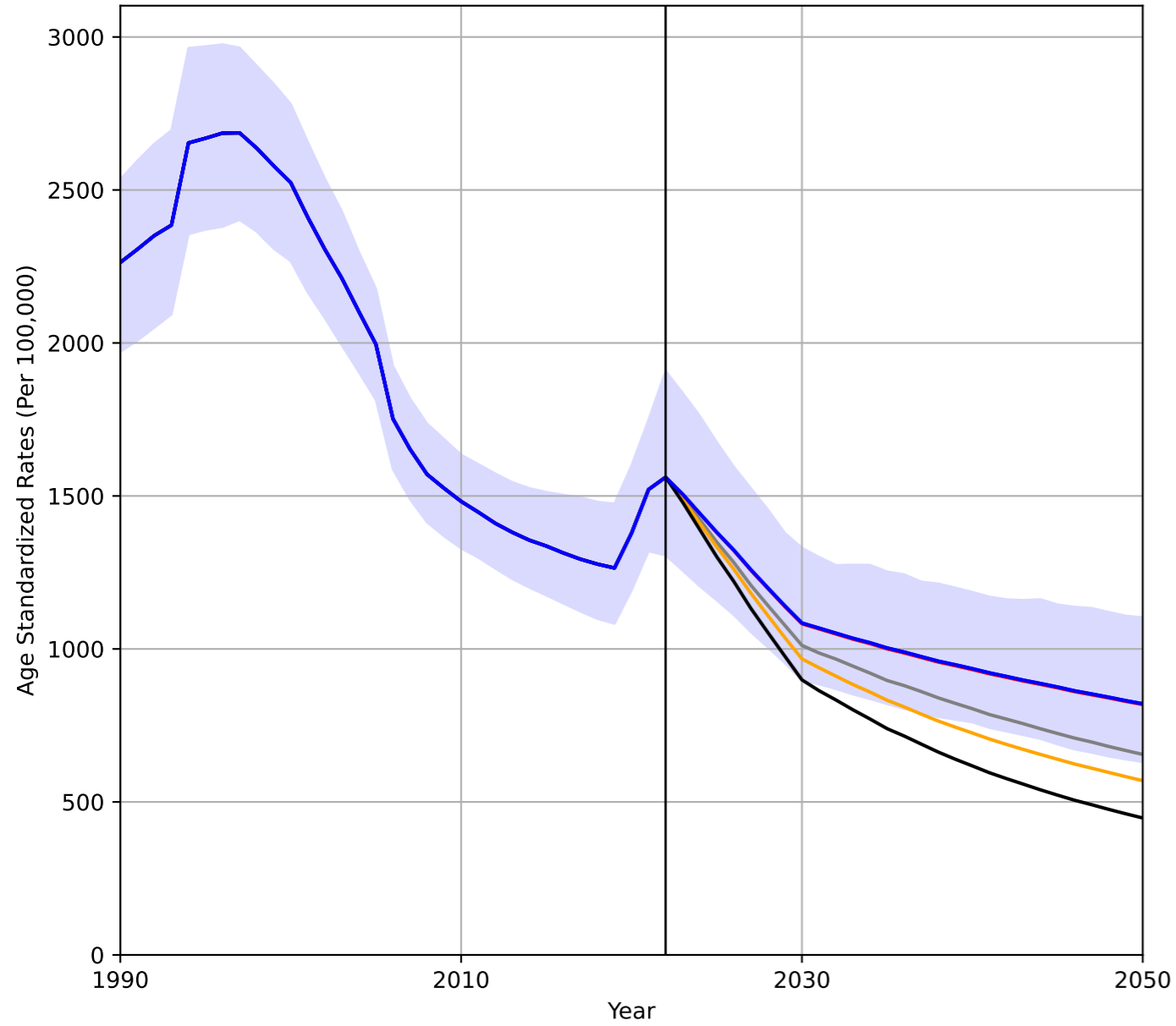




# Burundi

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

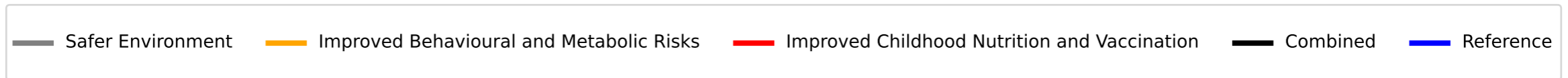
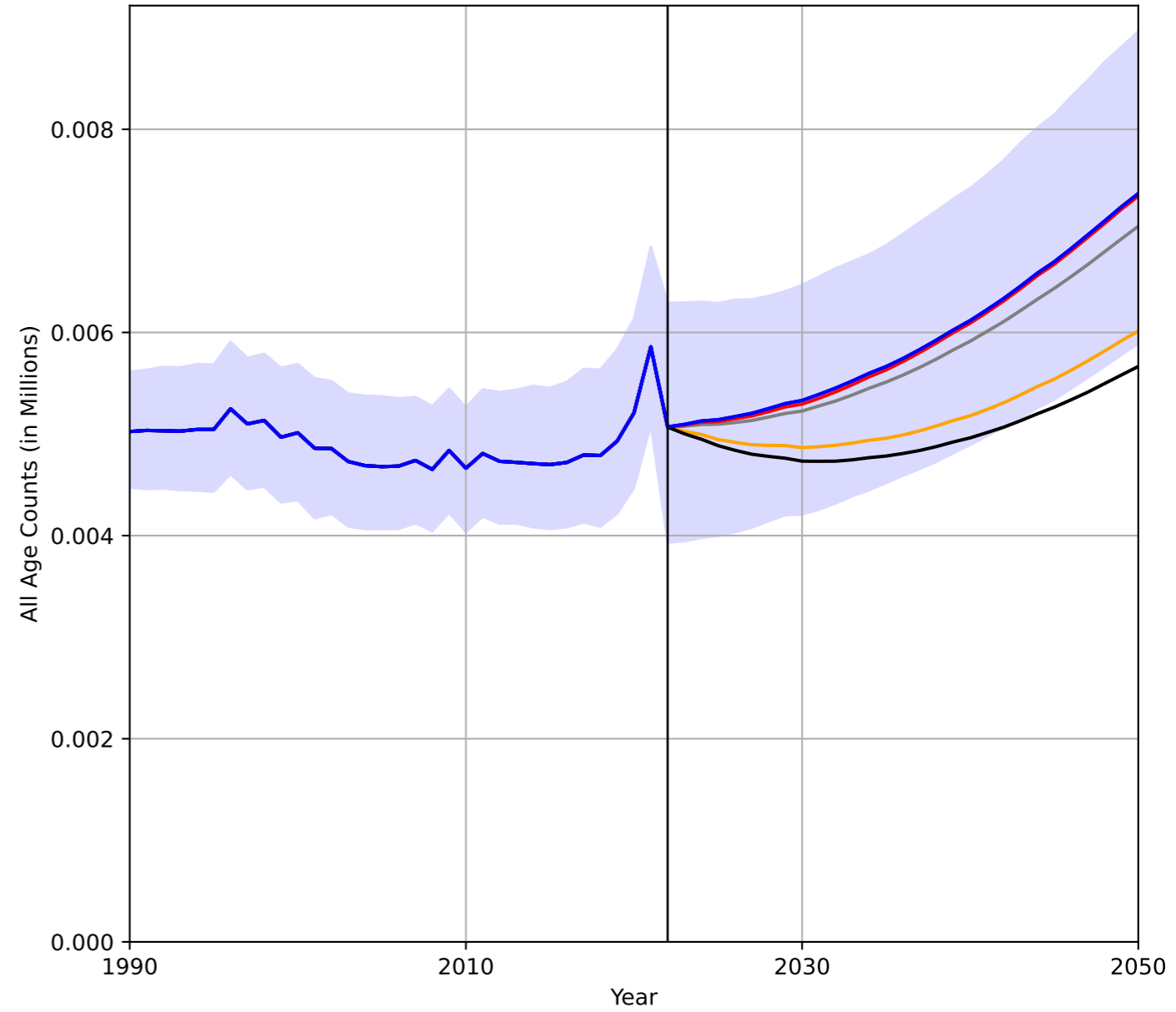
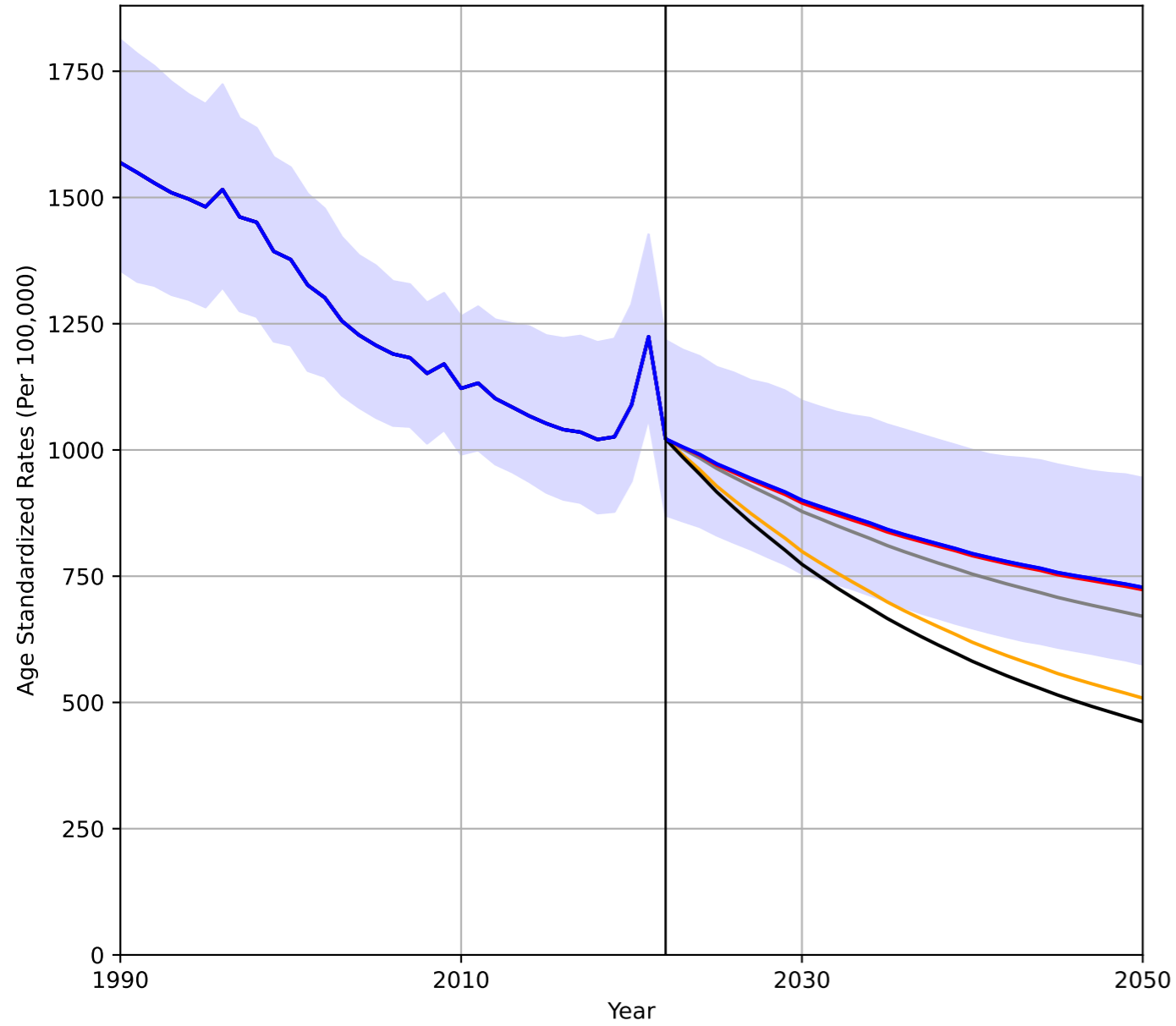
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# Comoros

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

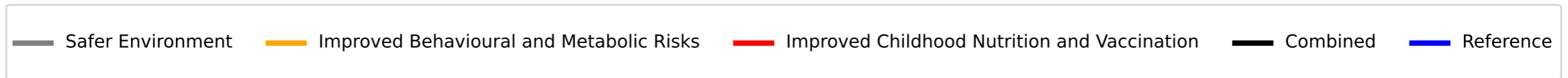
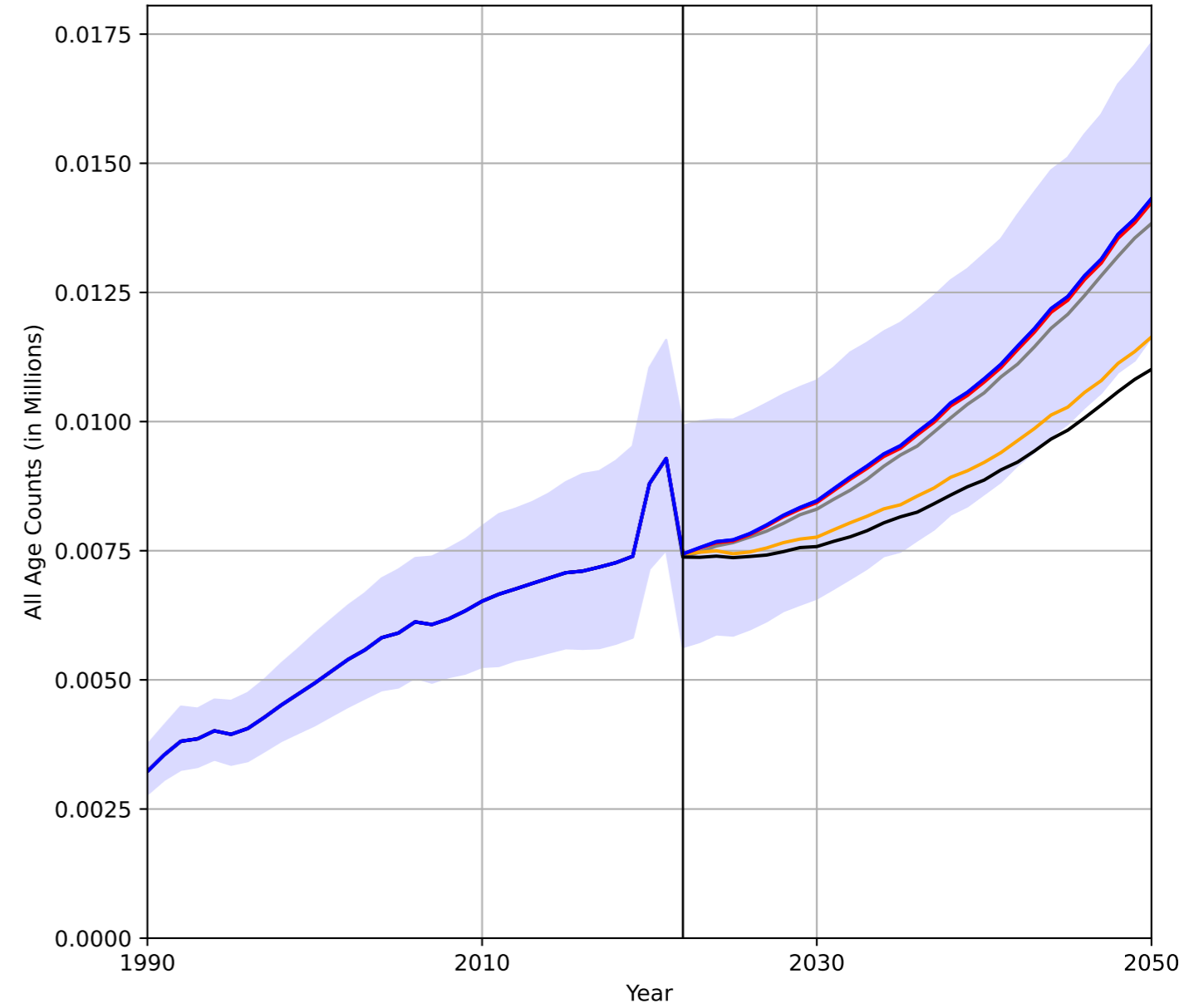
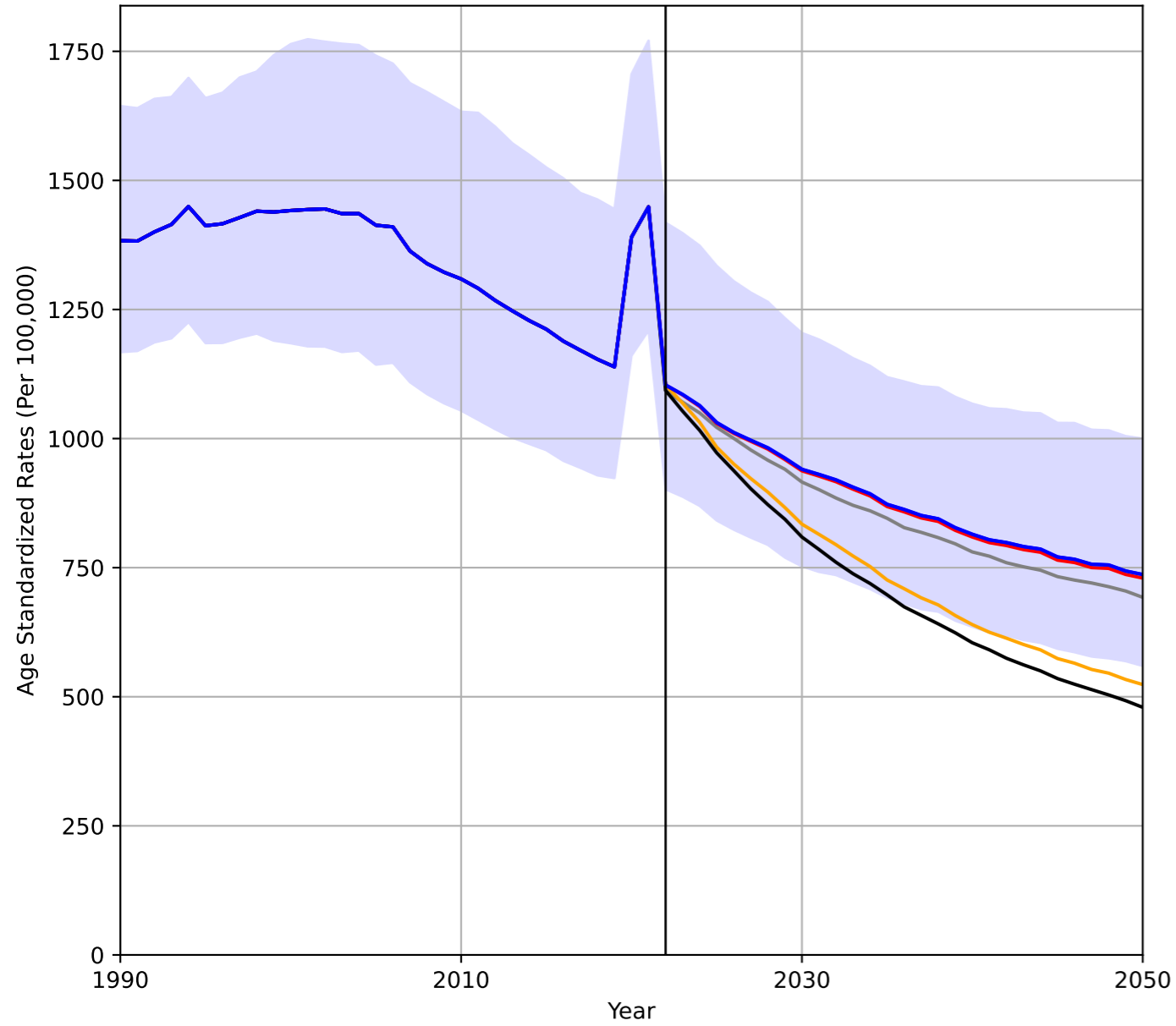
1809



# Djibouti

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

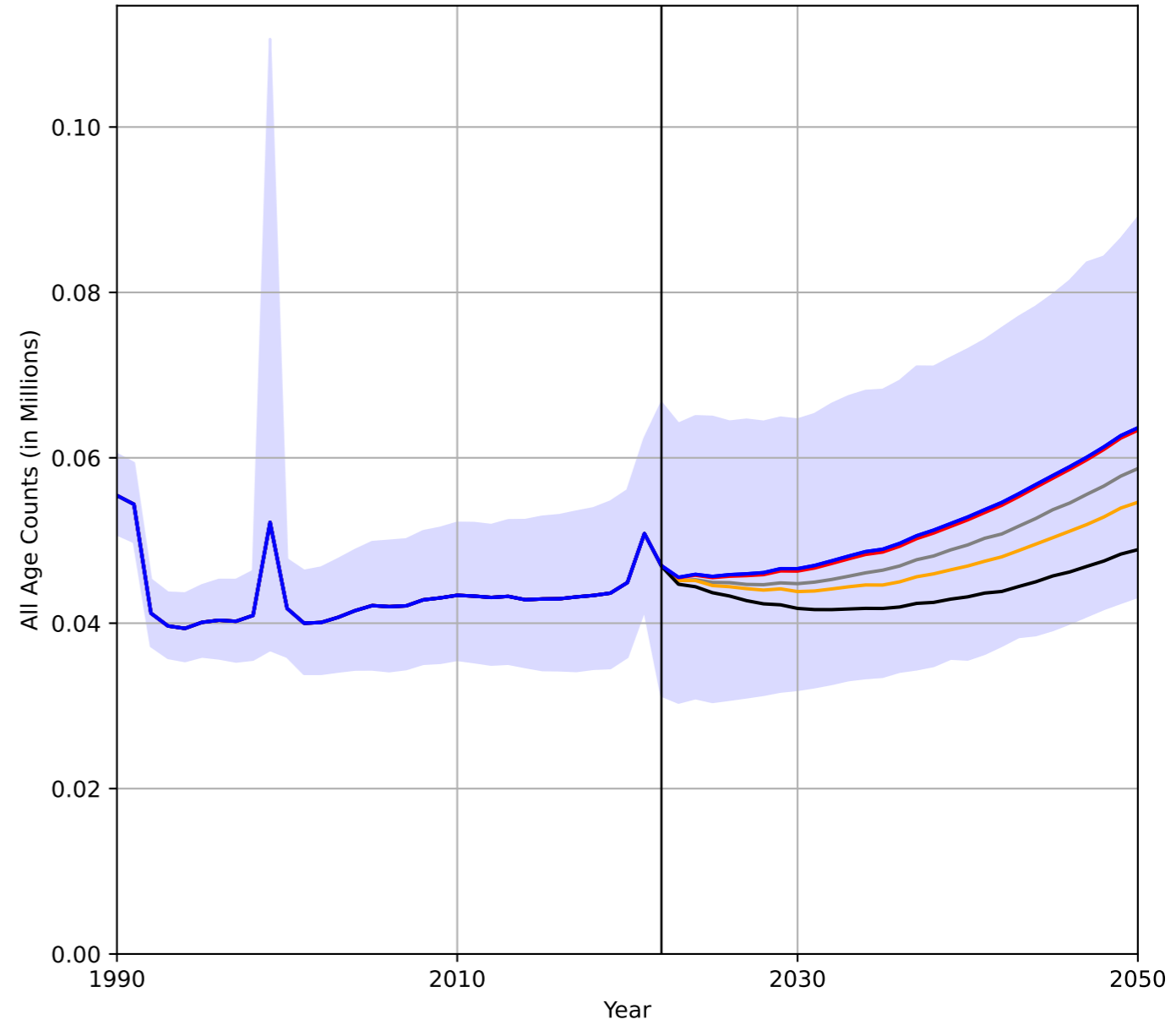
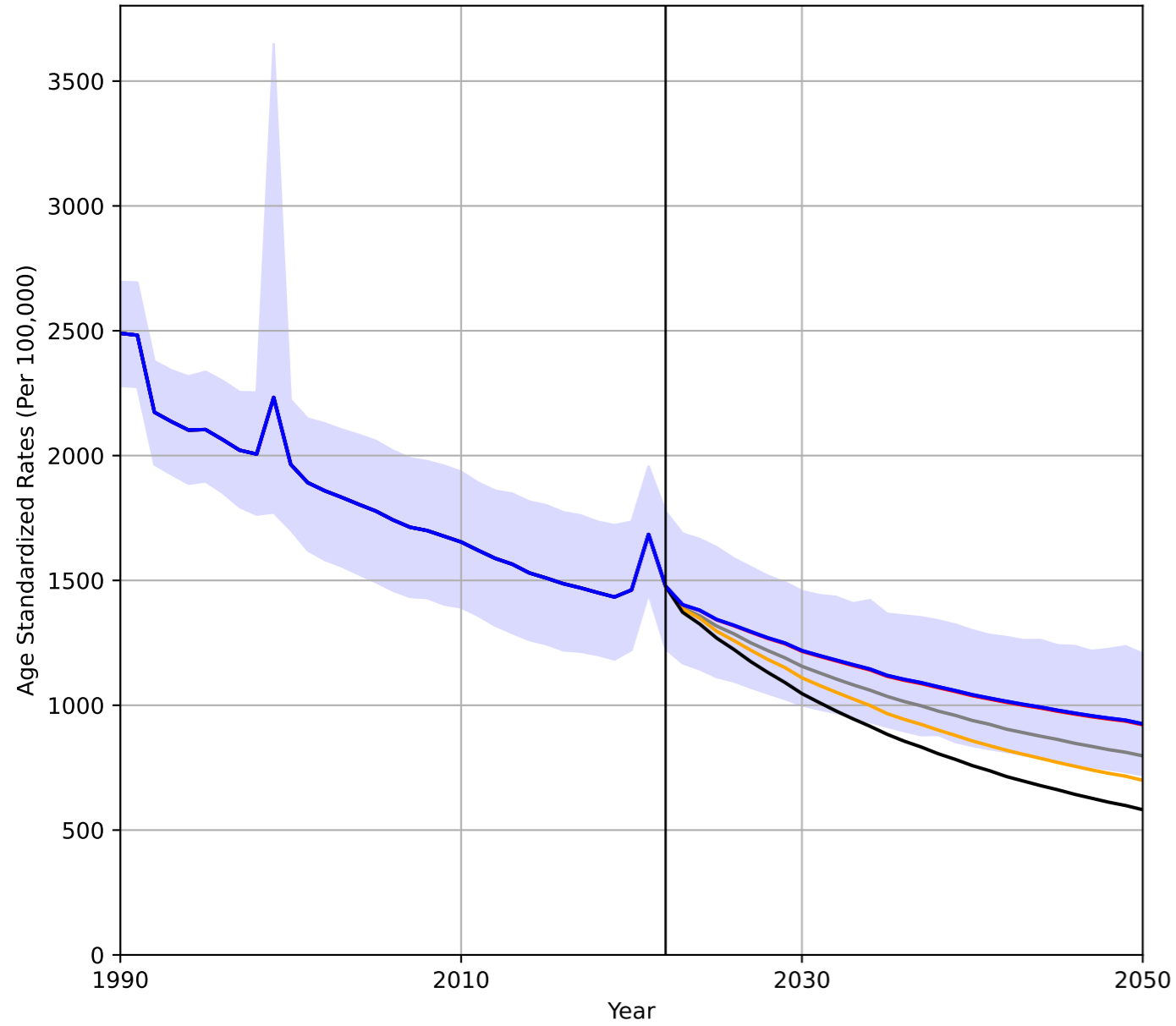
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# Eritrea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

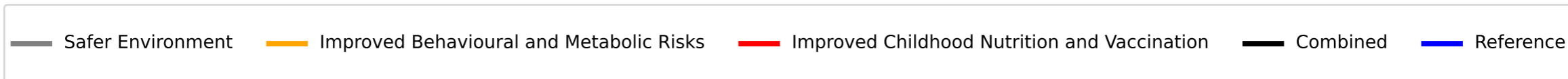
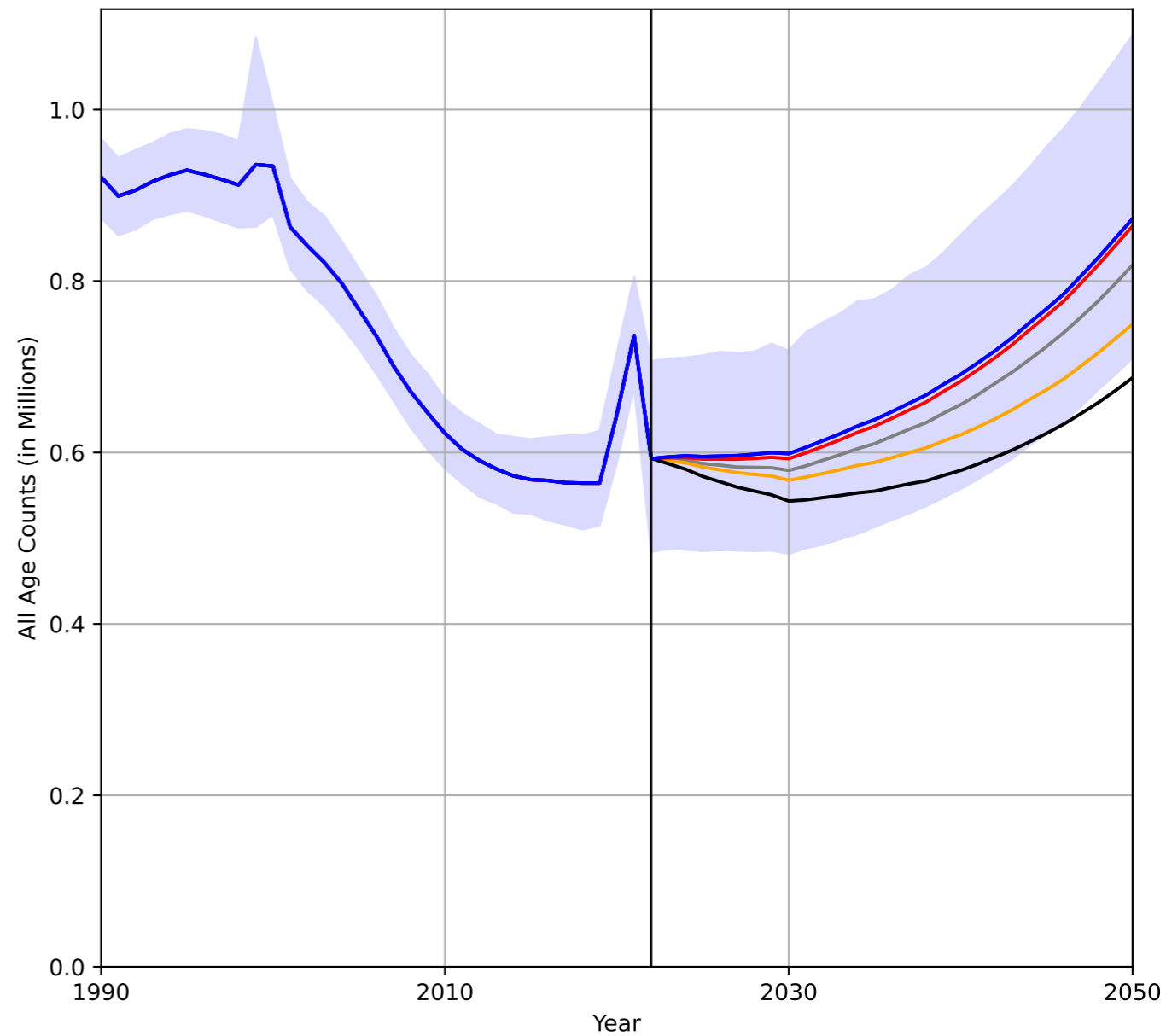
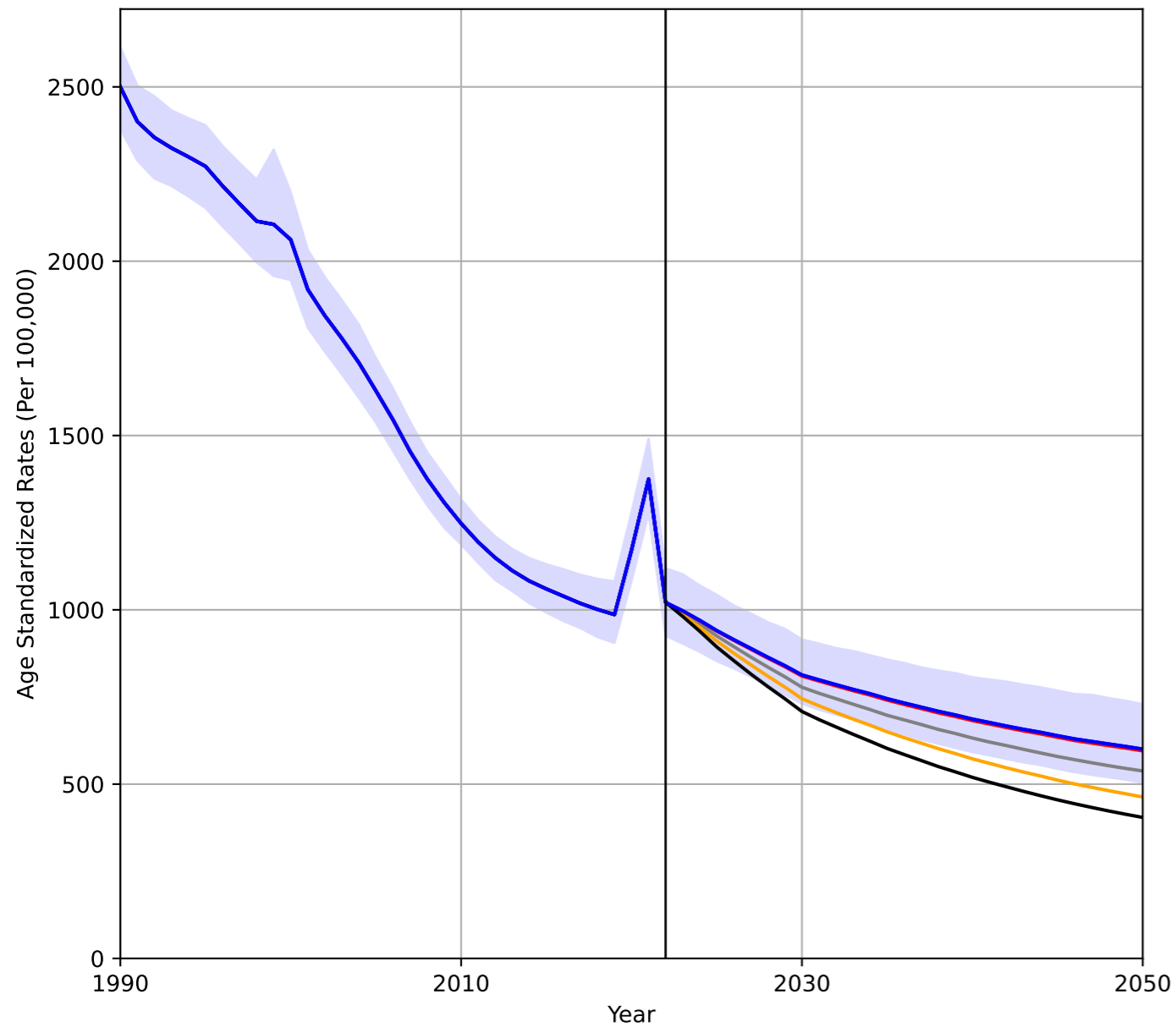
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# Ethiopia

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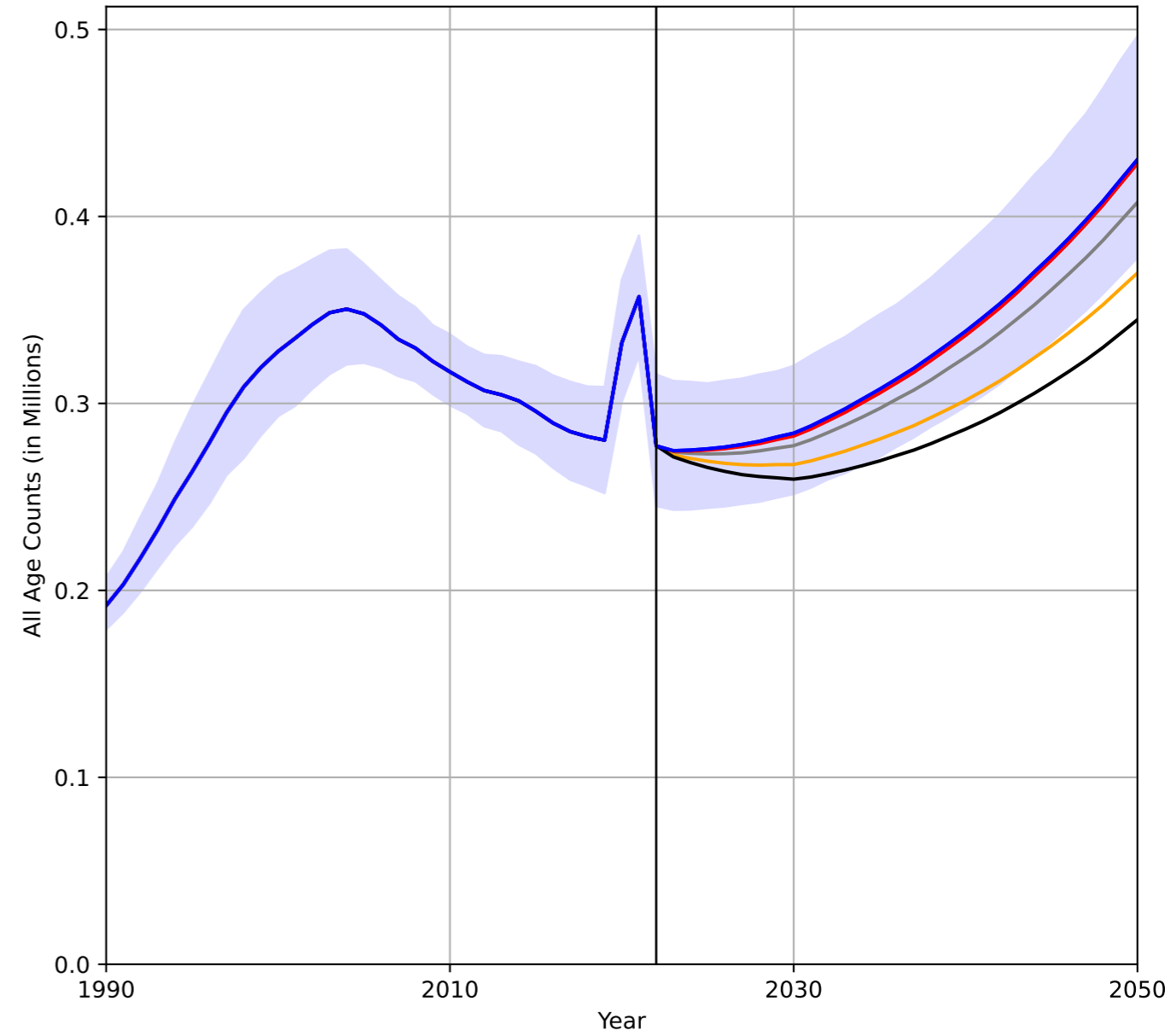
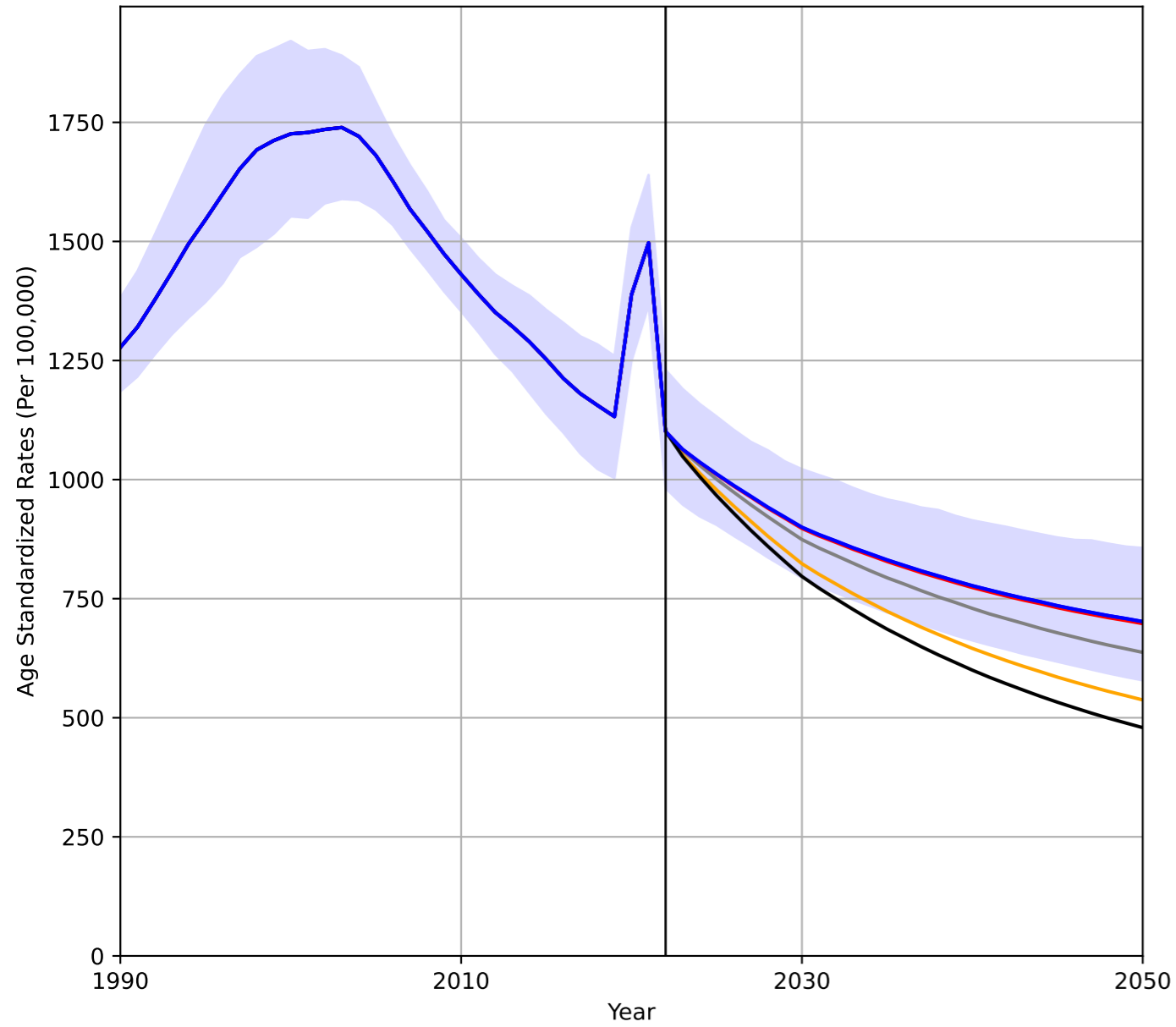
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# Kenya

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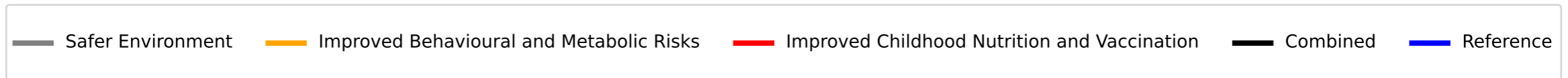
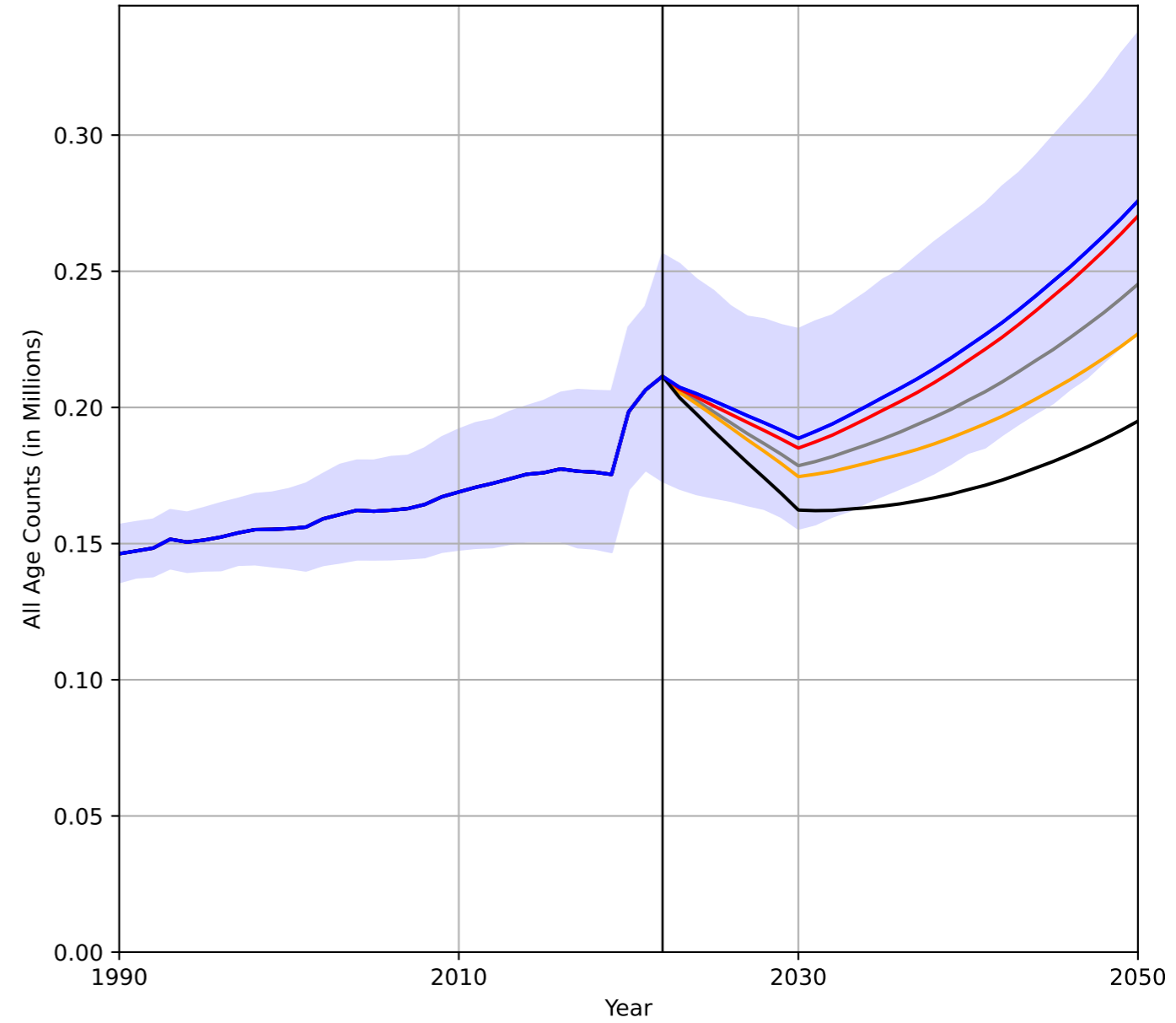
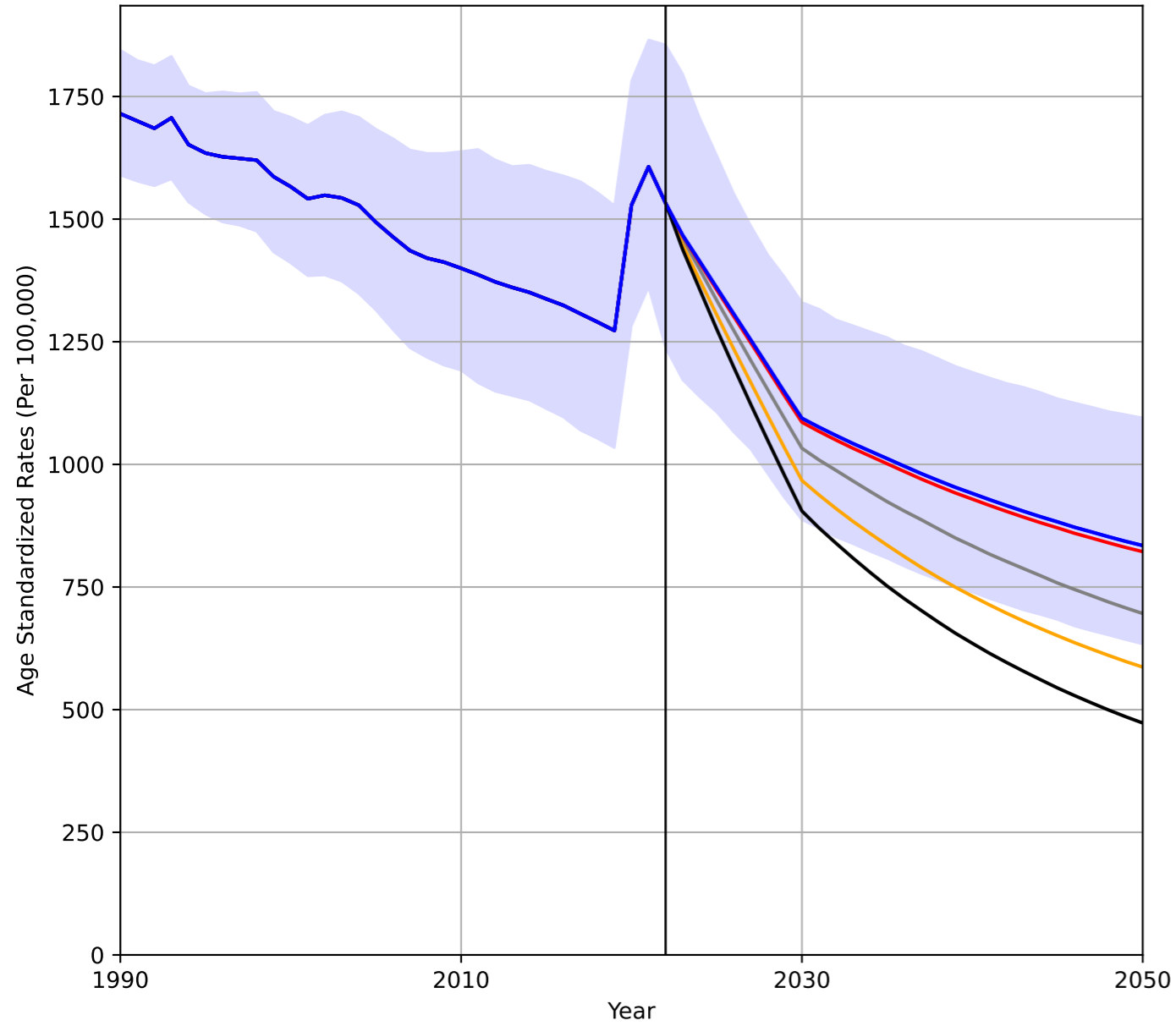
1813



# Madagascar

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

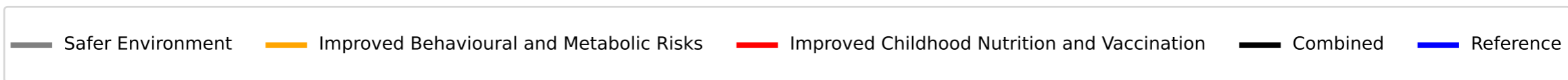
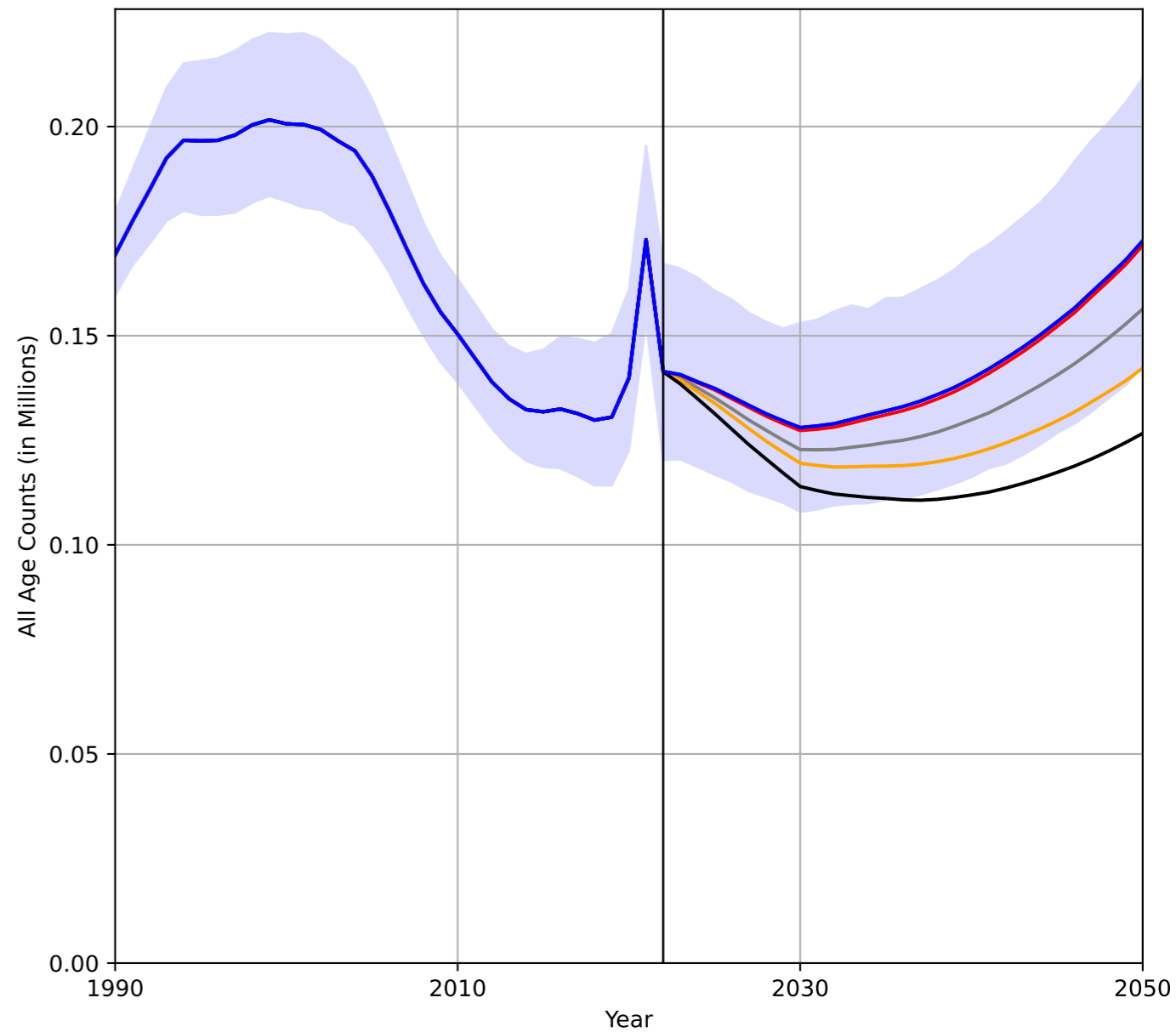
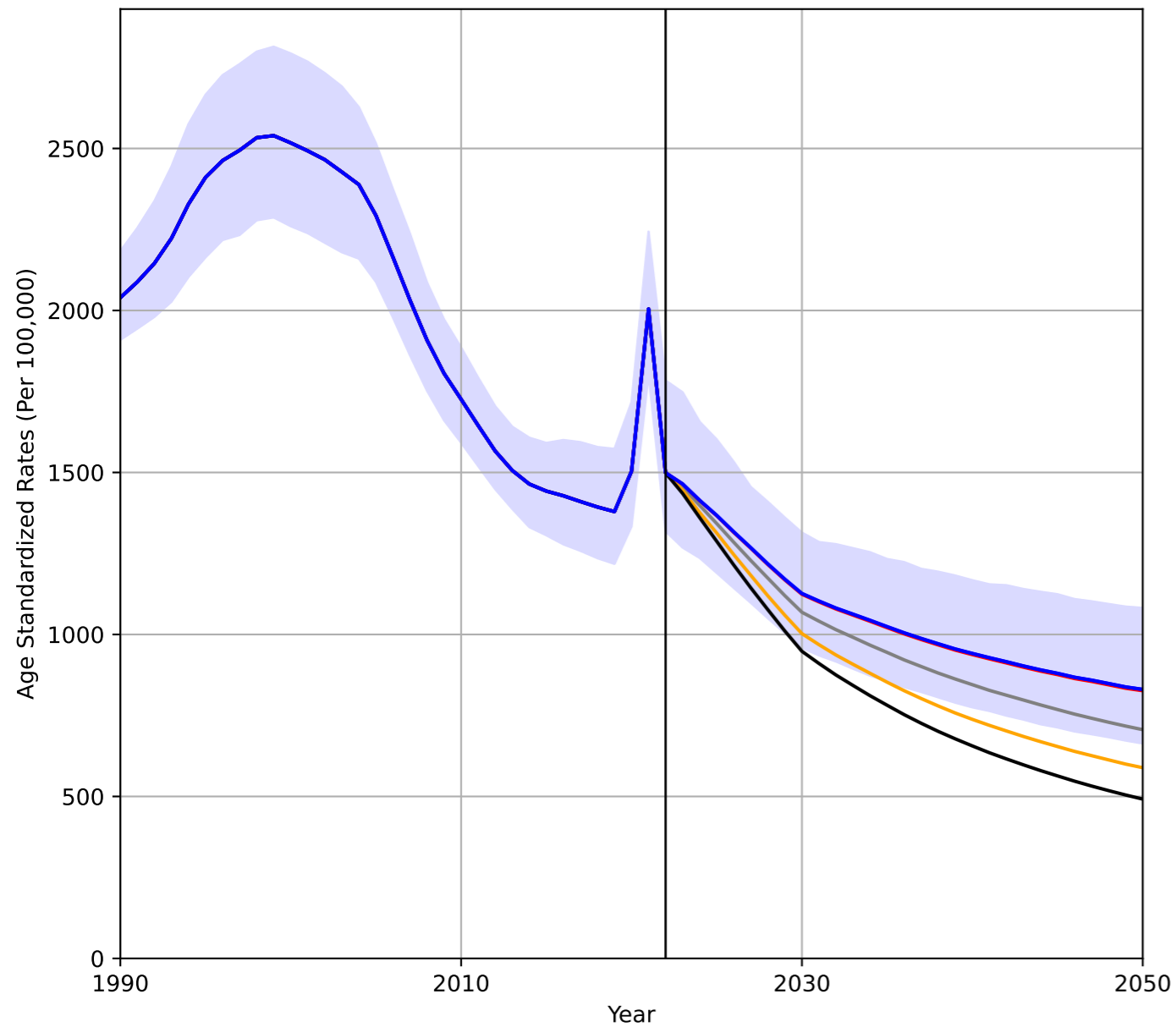
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# Malawi

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1815

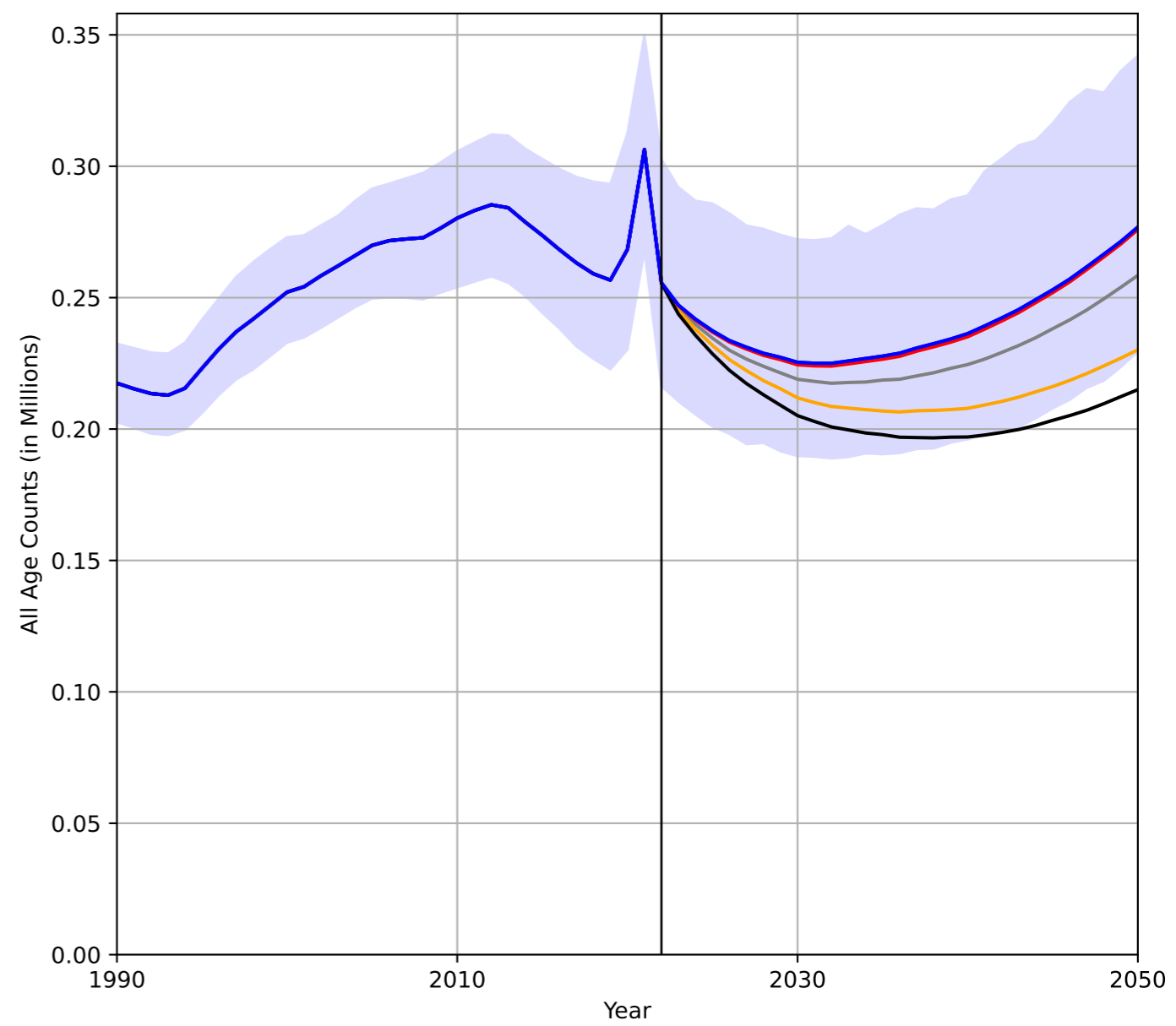
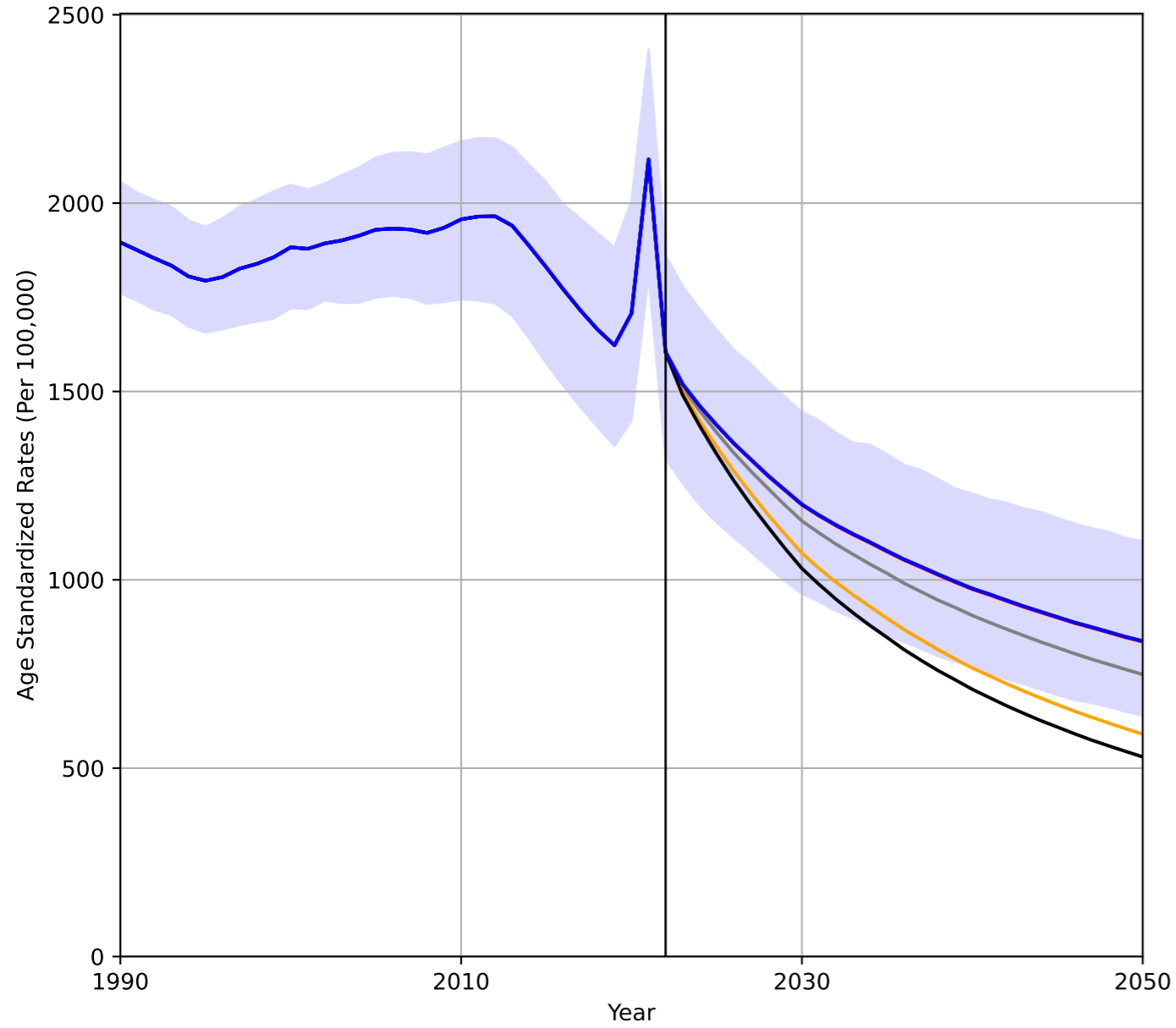




# Mozambique

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

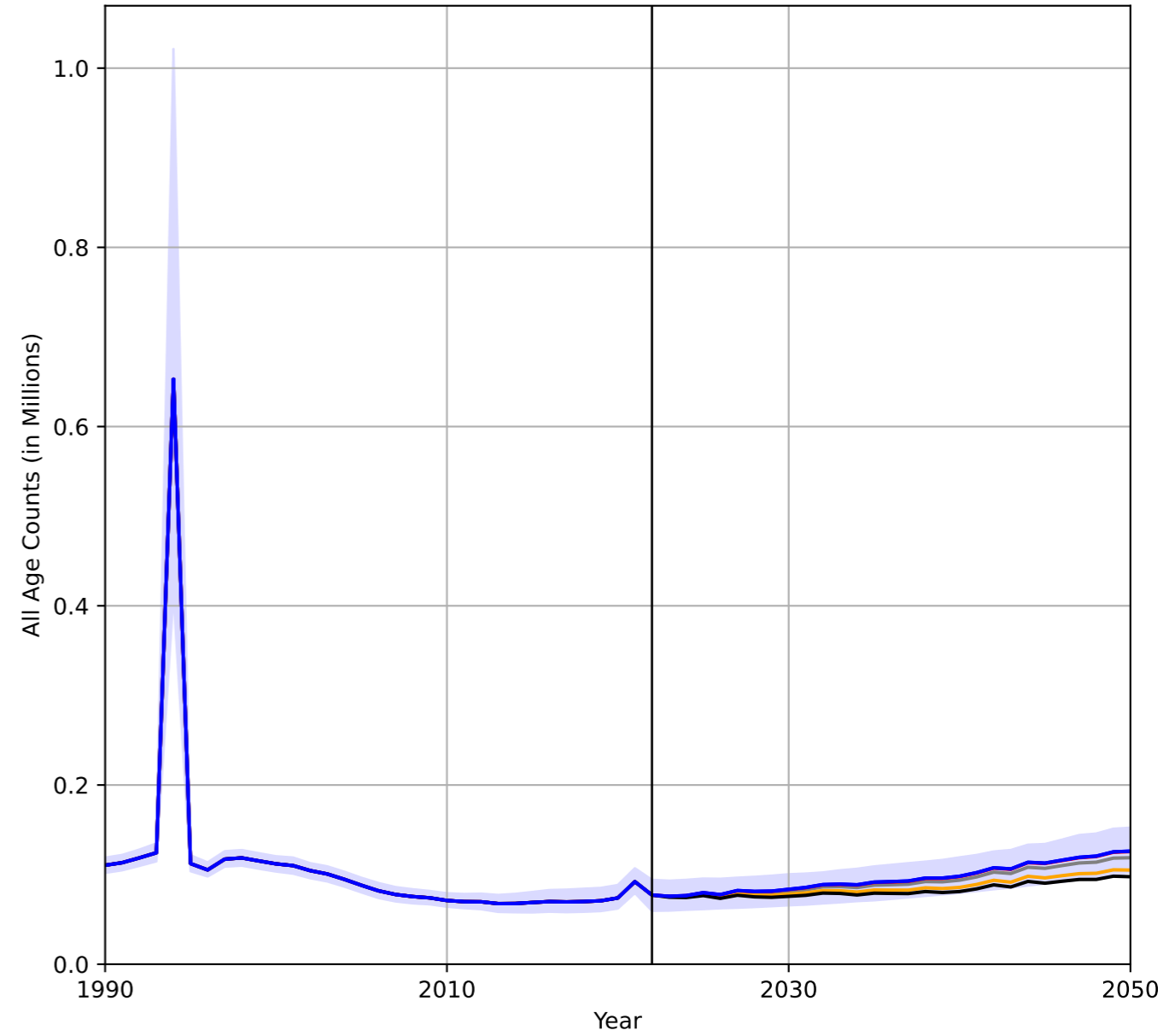
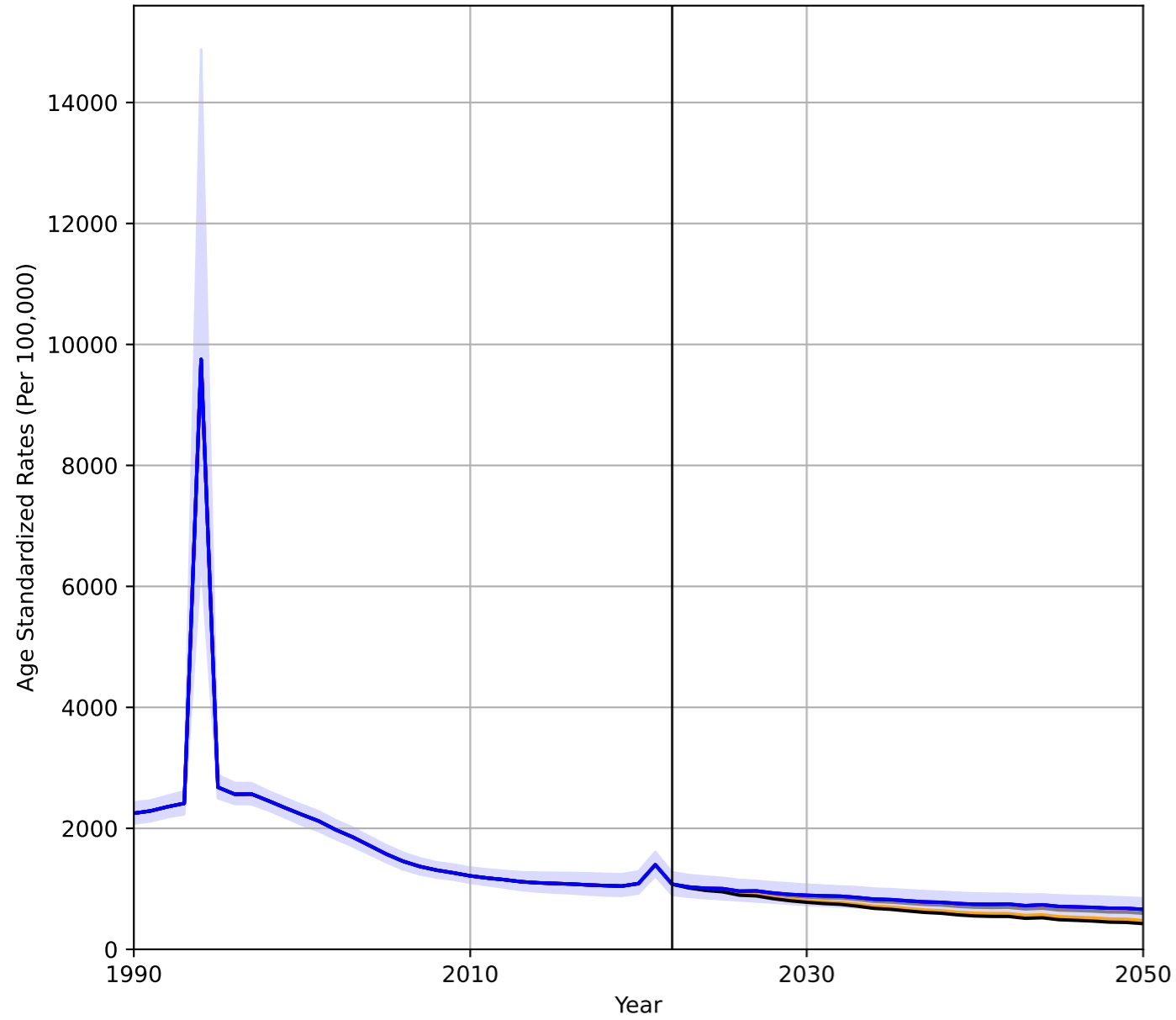
1816



# Rwanda

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

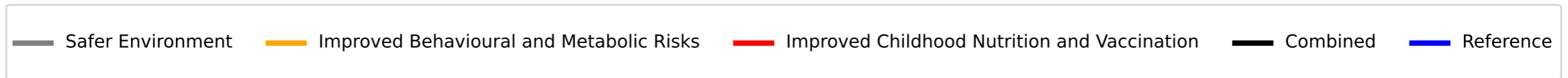
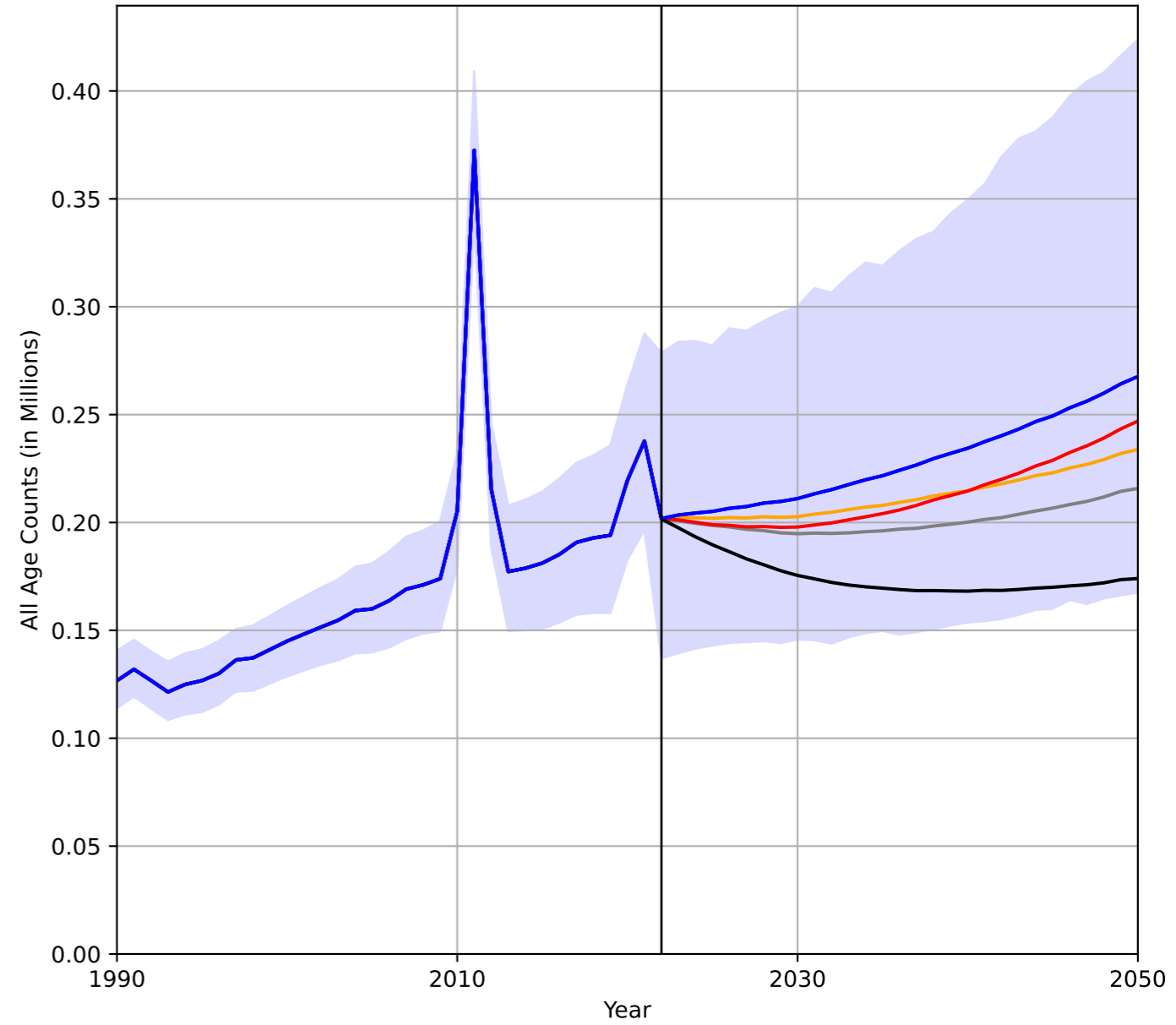
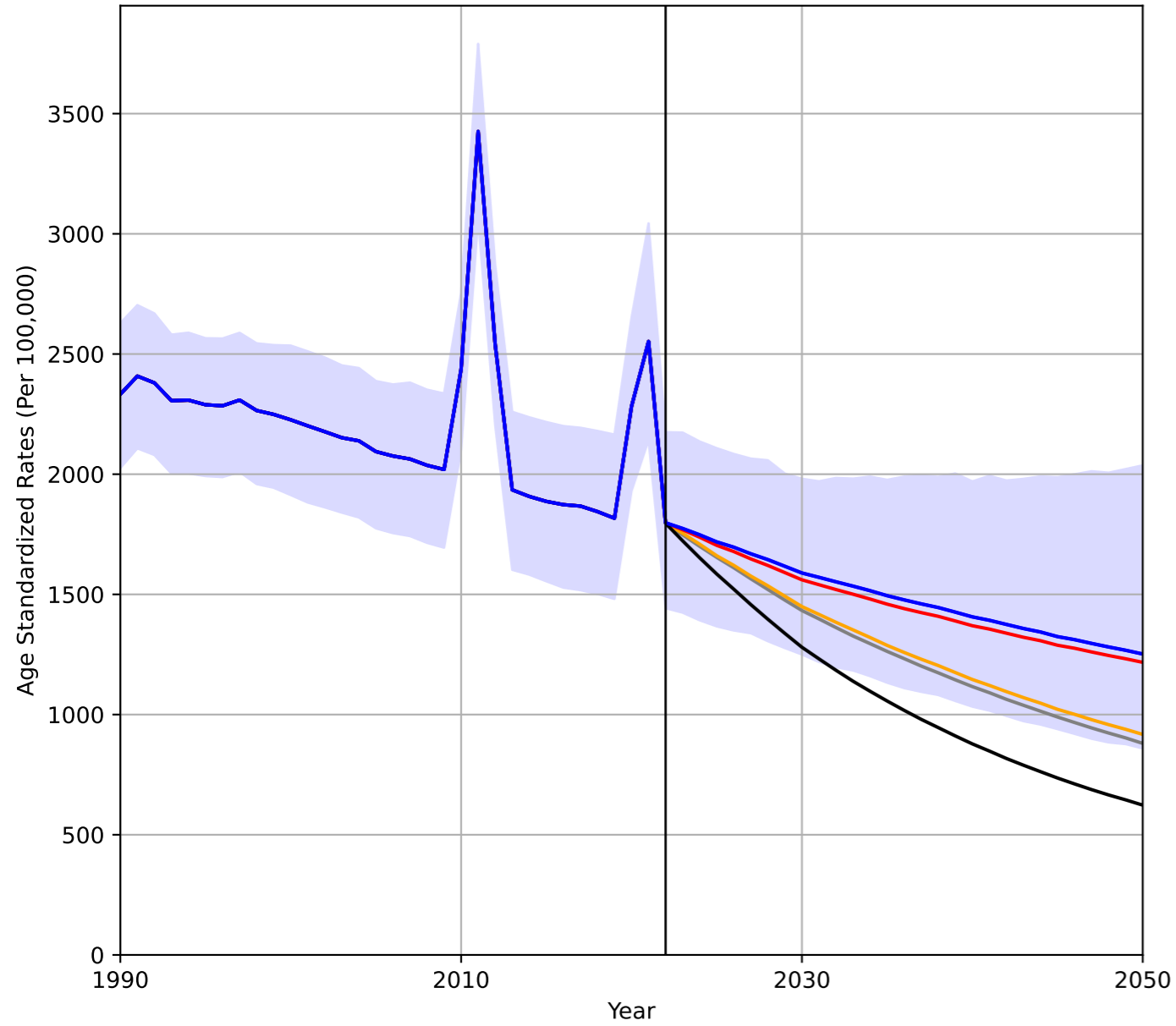
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# Somalia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

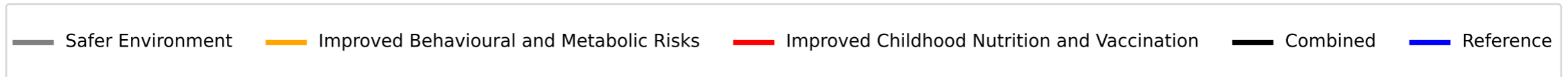
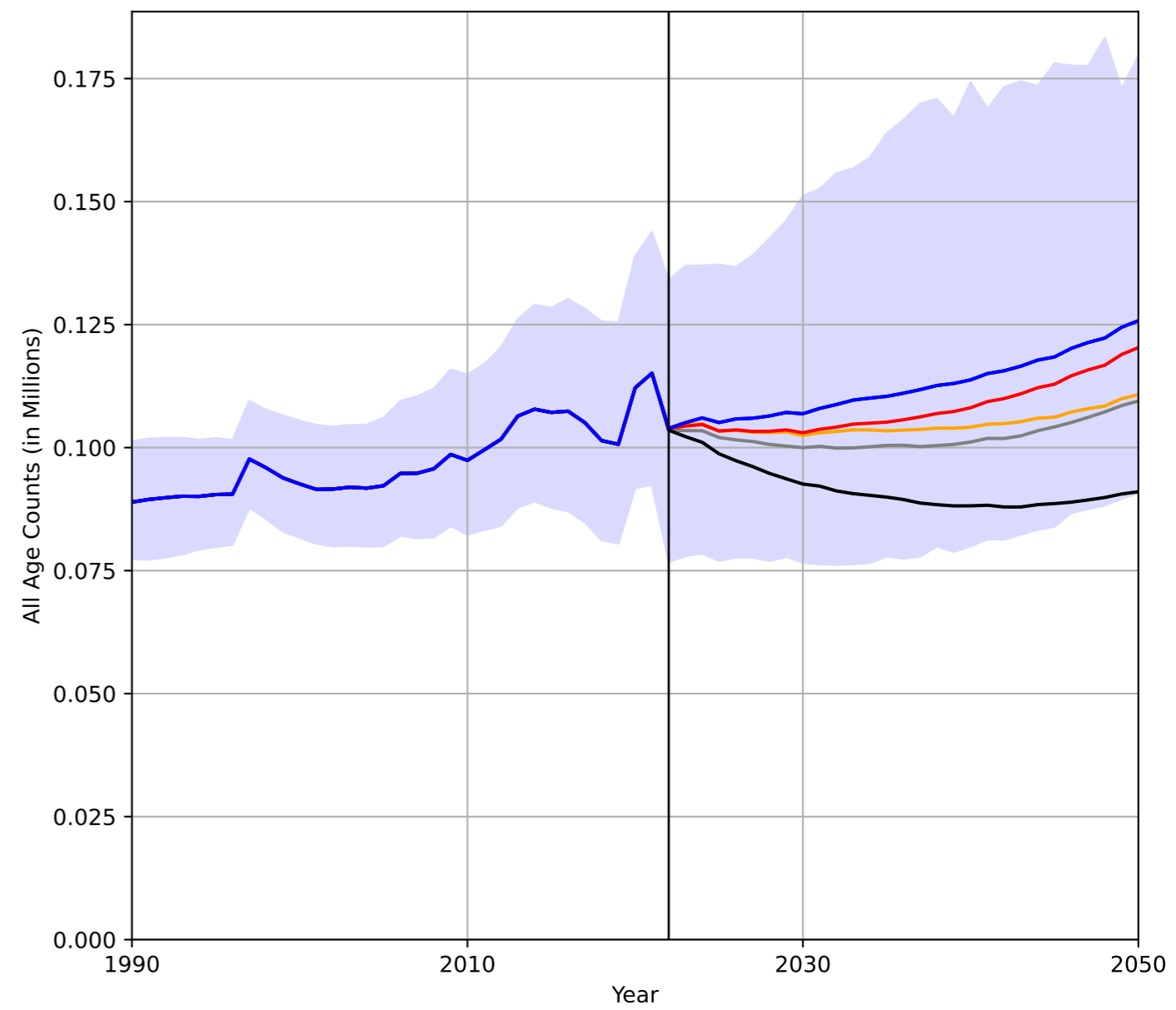
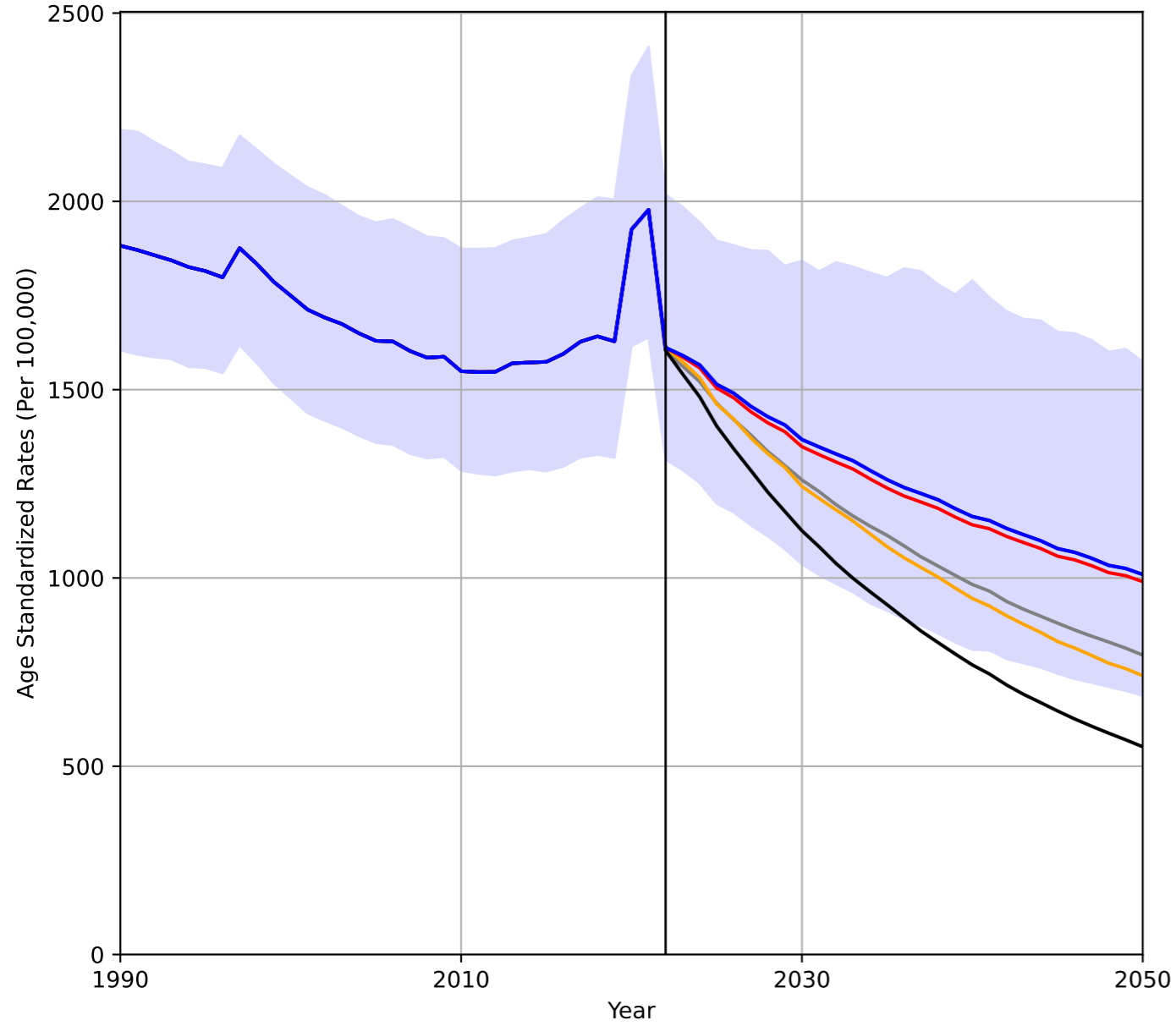
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# South Sudan

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

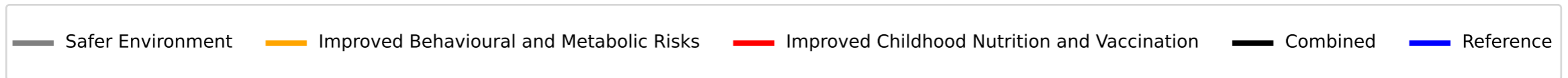
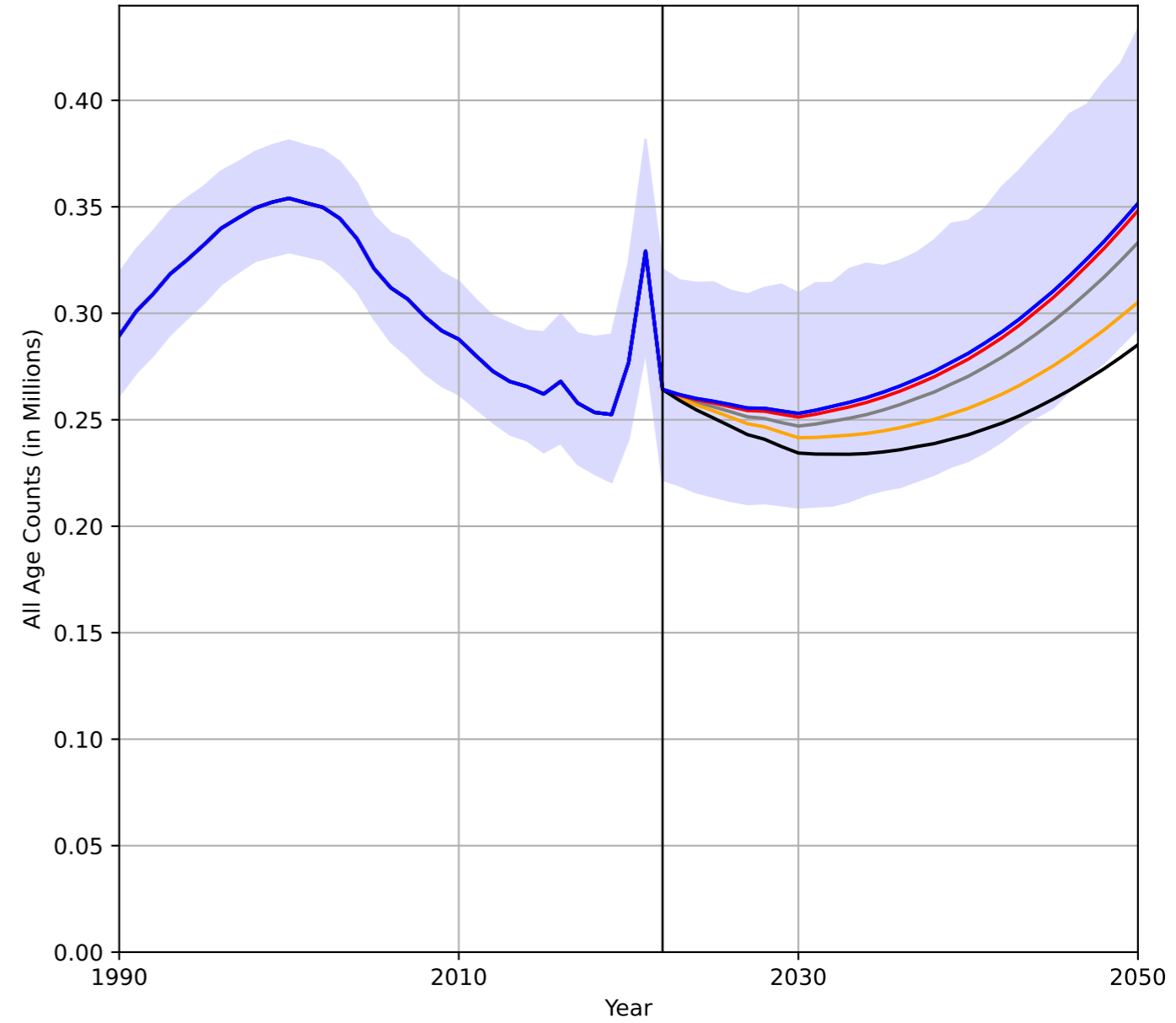
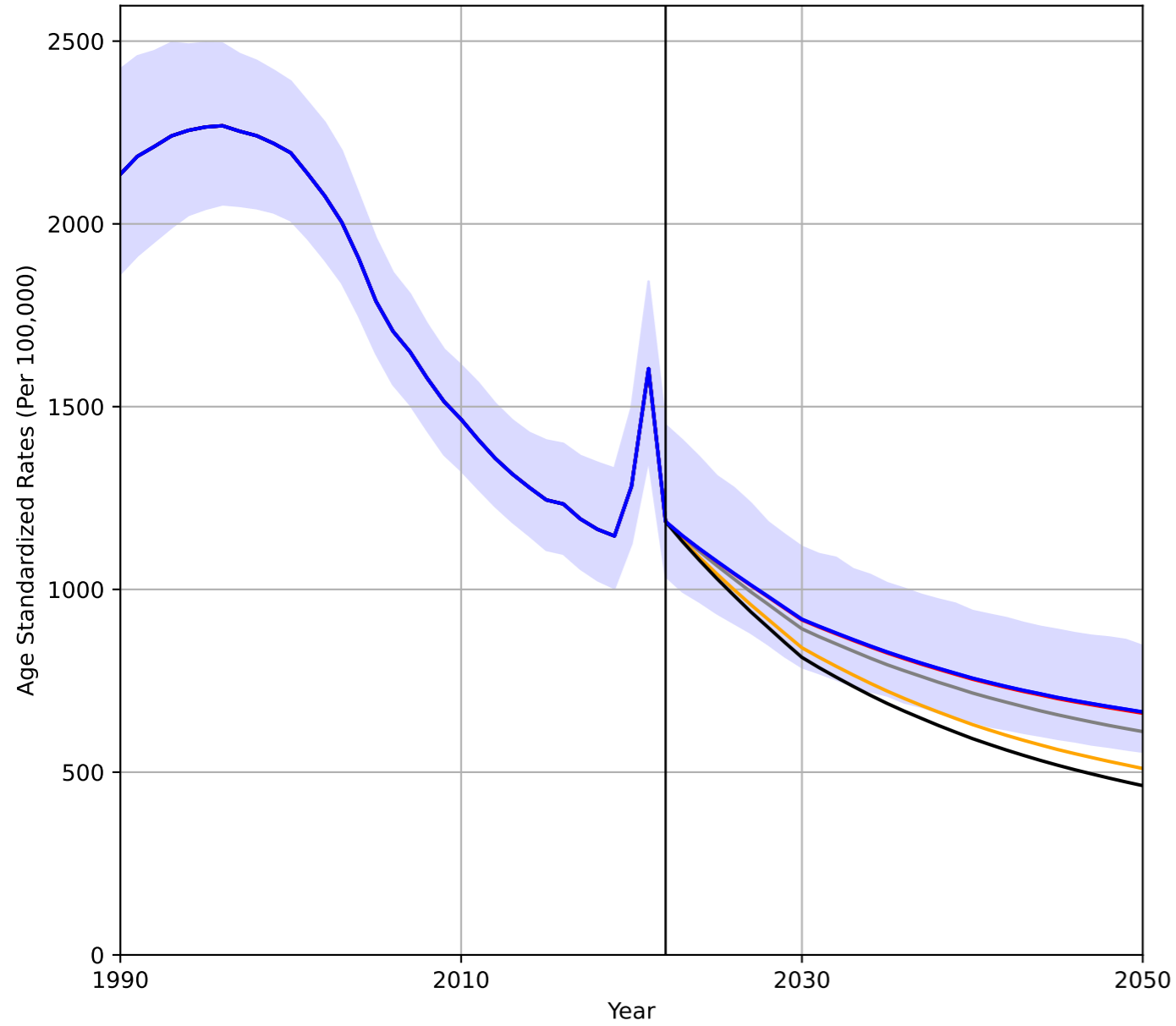
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# Uganda

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

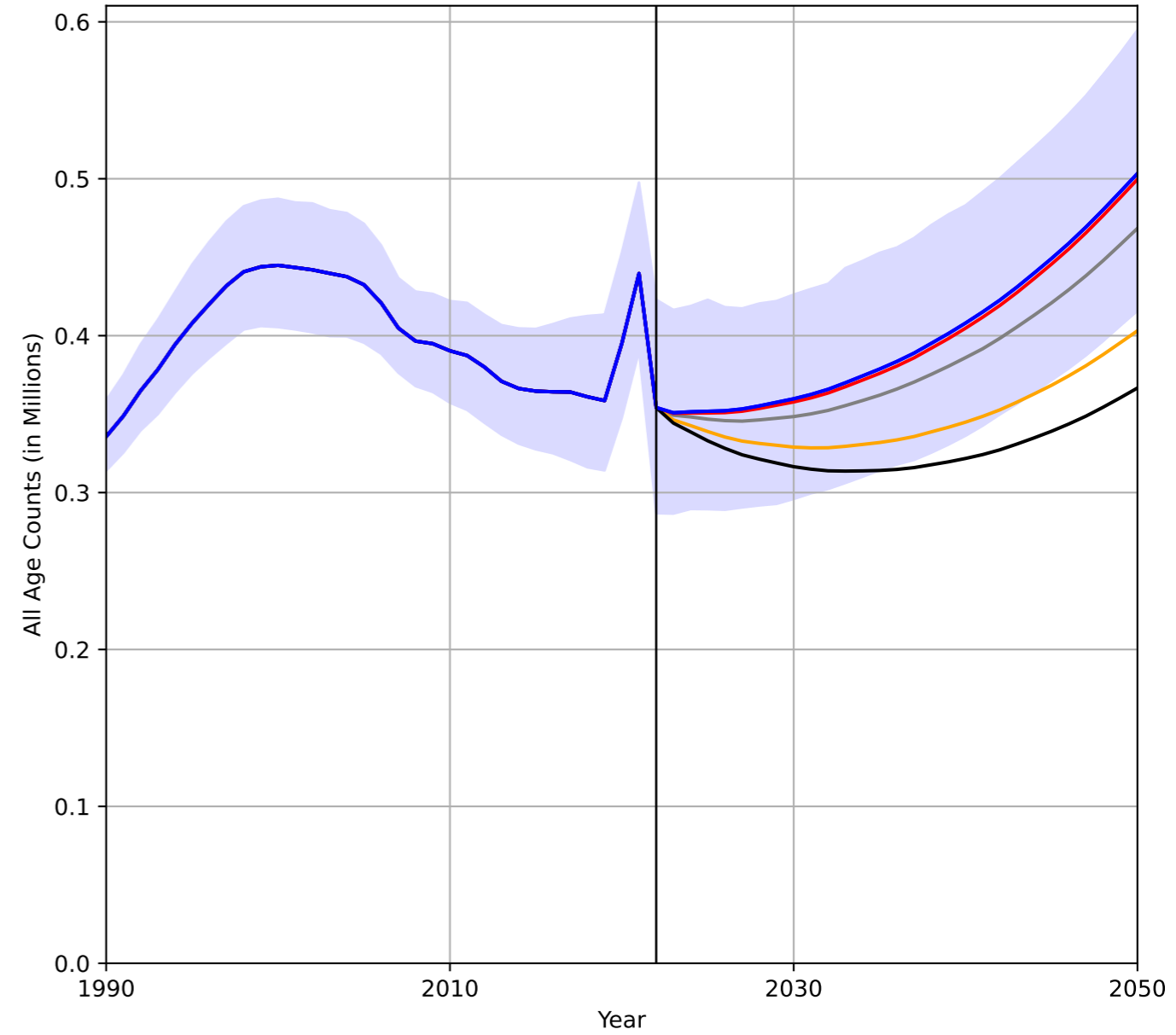
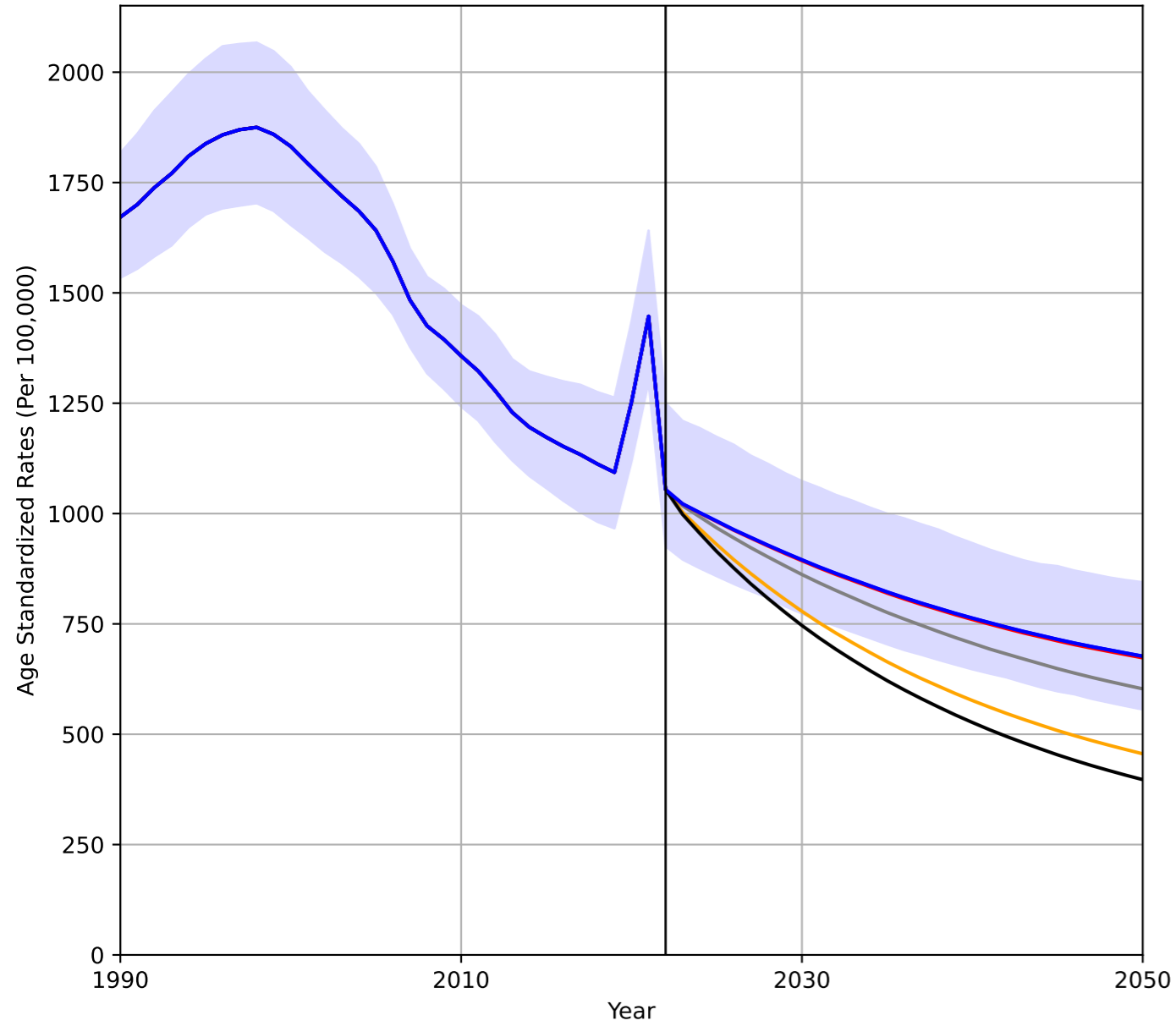
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# Tanzania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

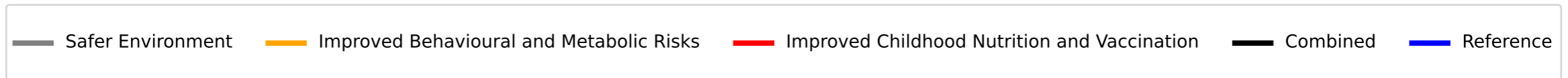
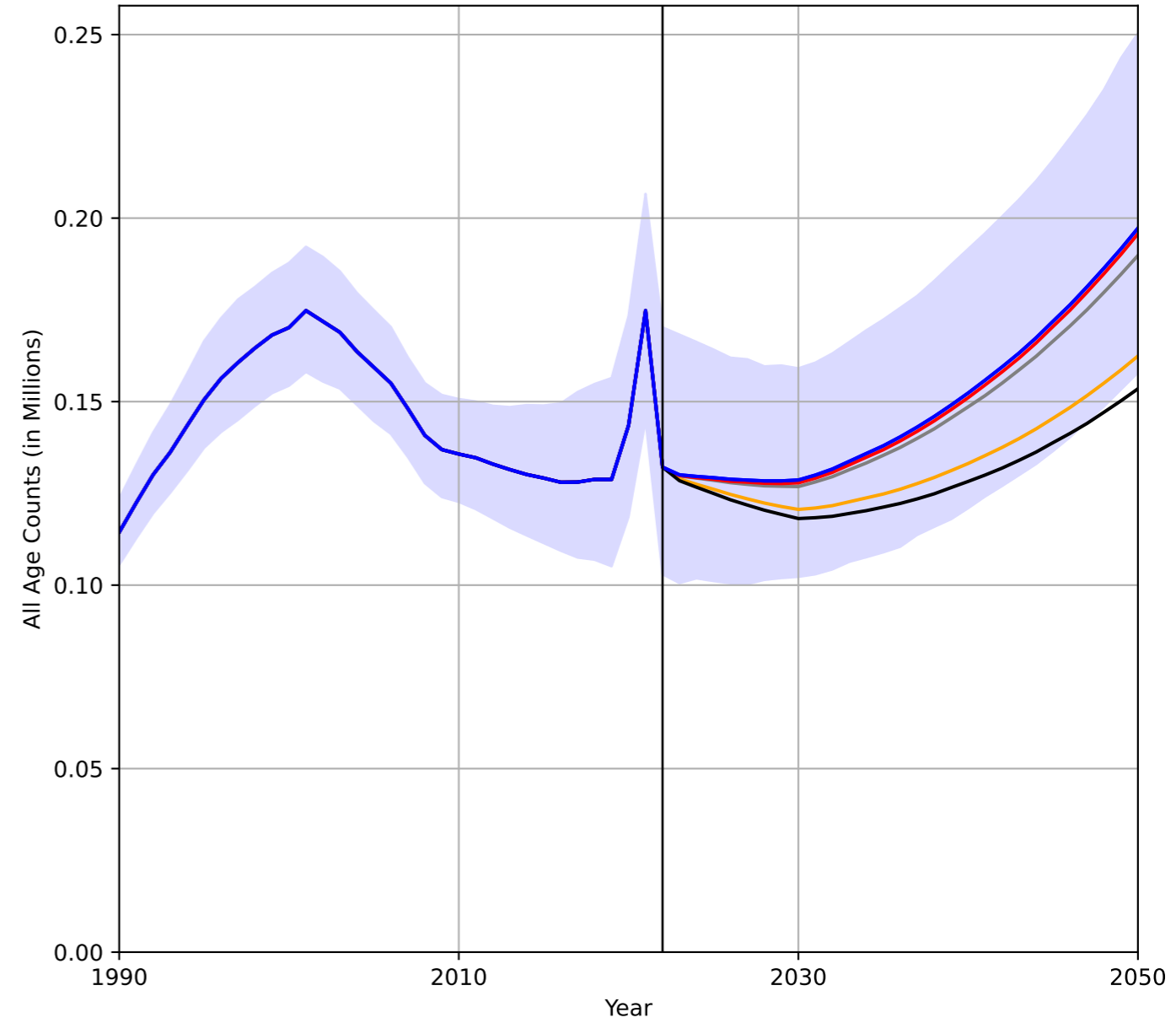
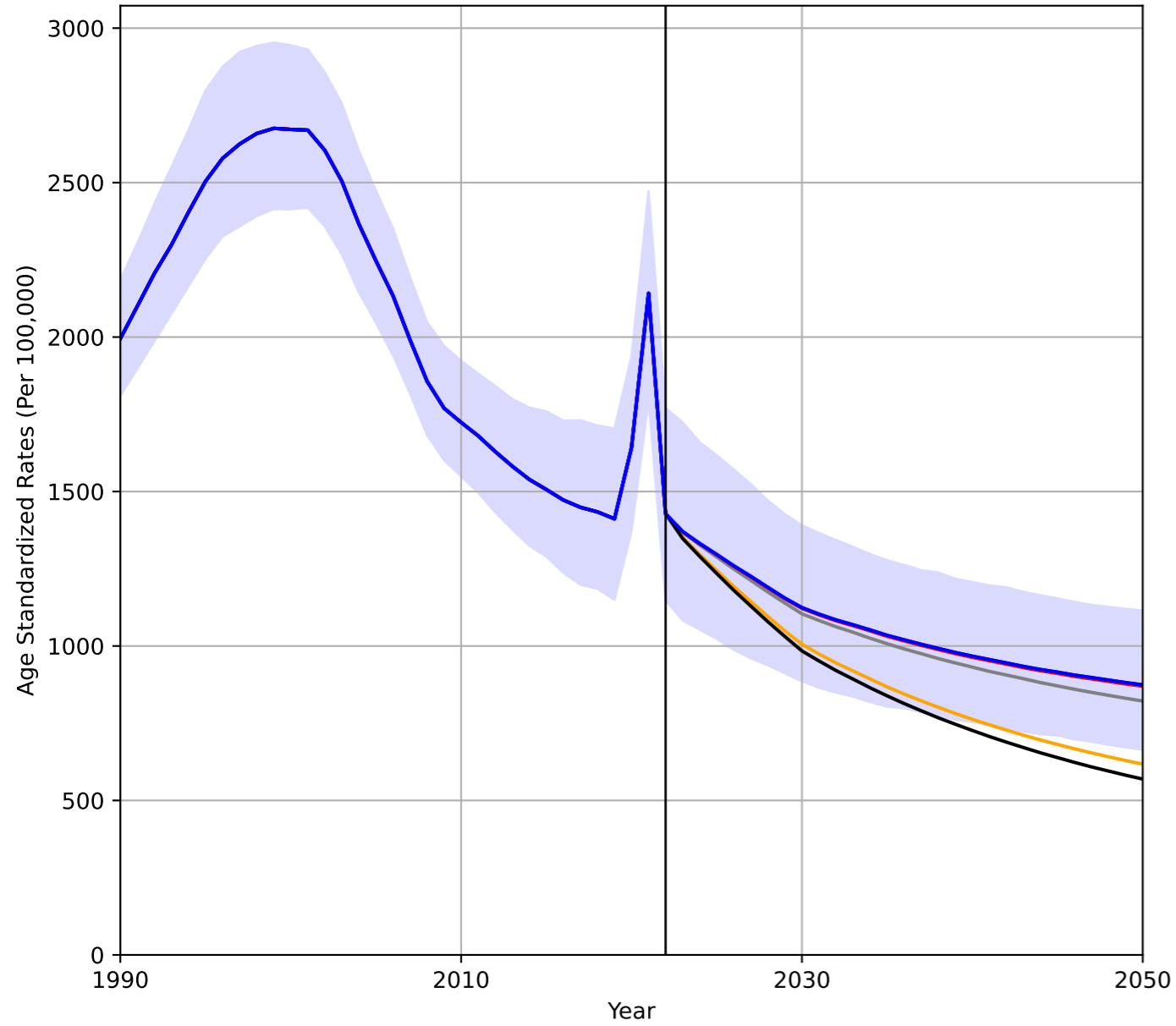
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# Zambia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

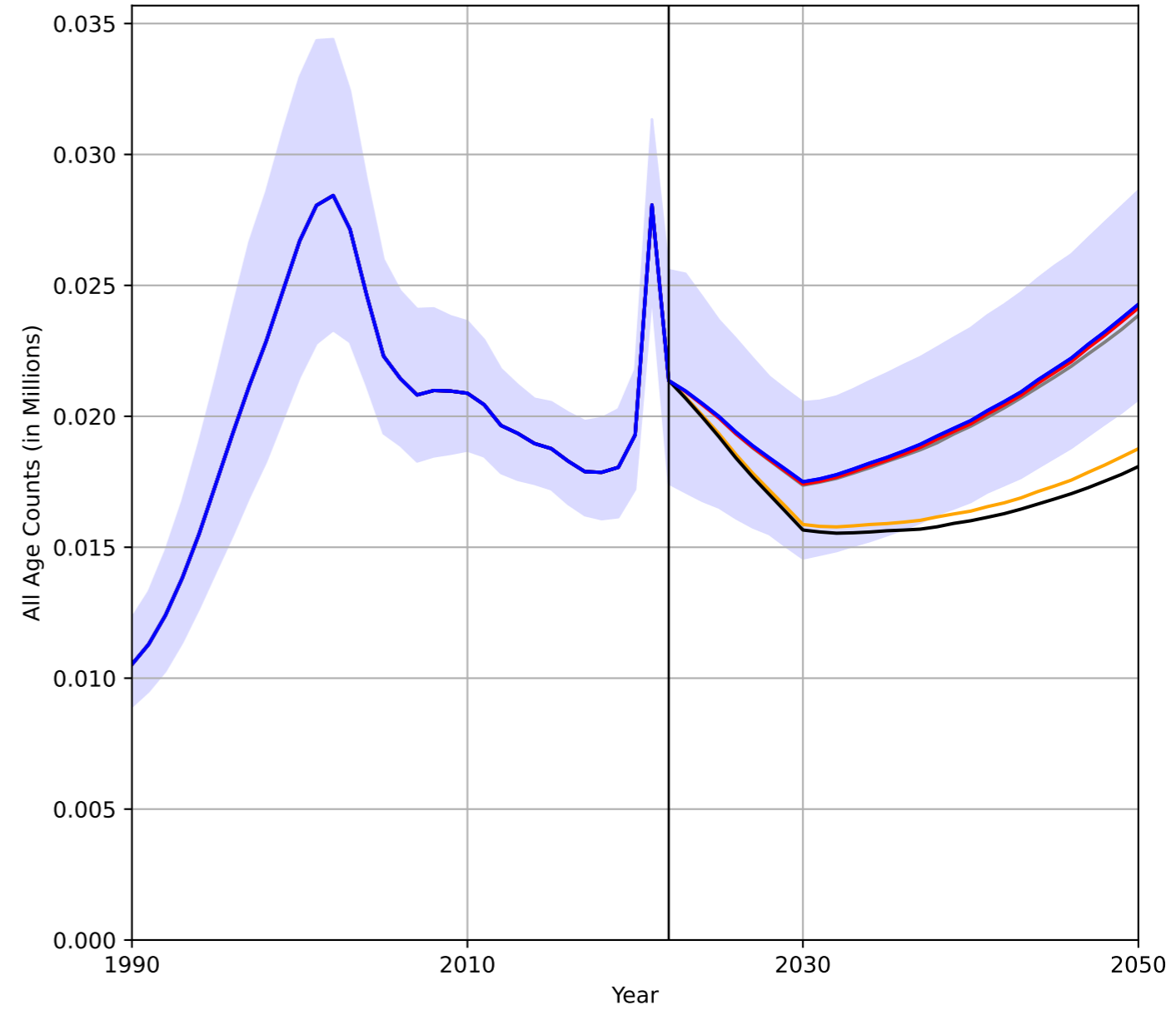
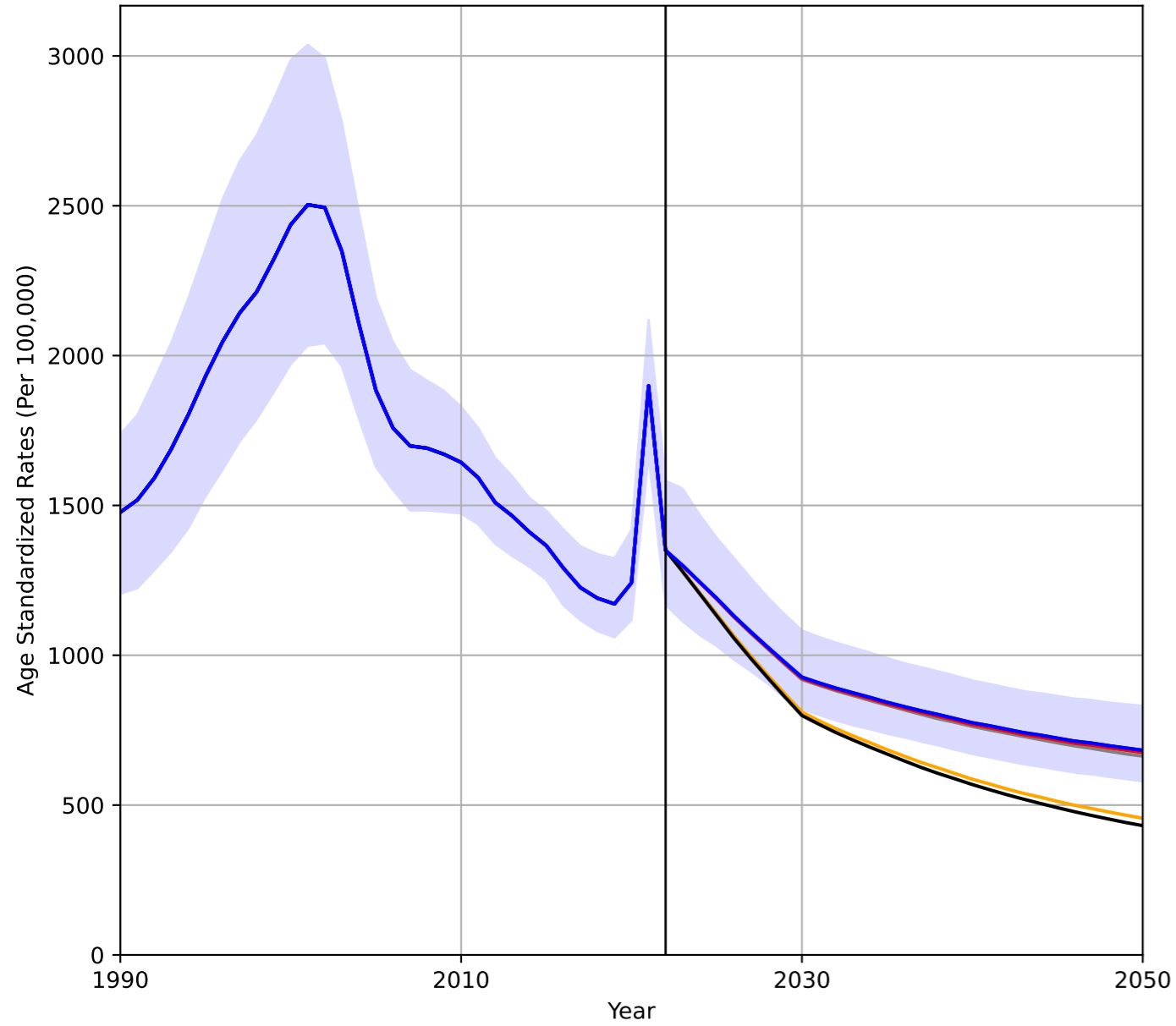
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# Botswana

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1823

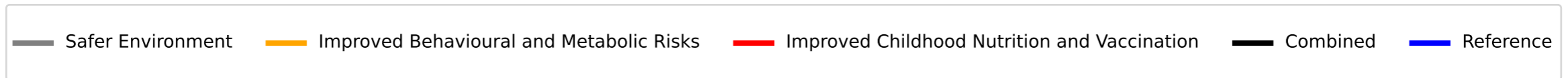
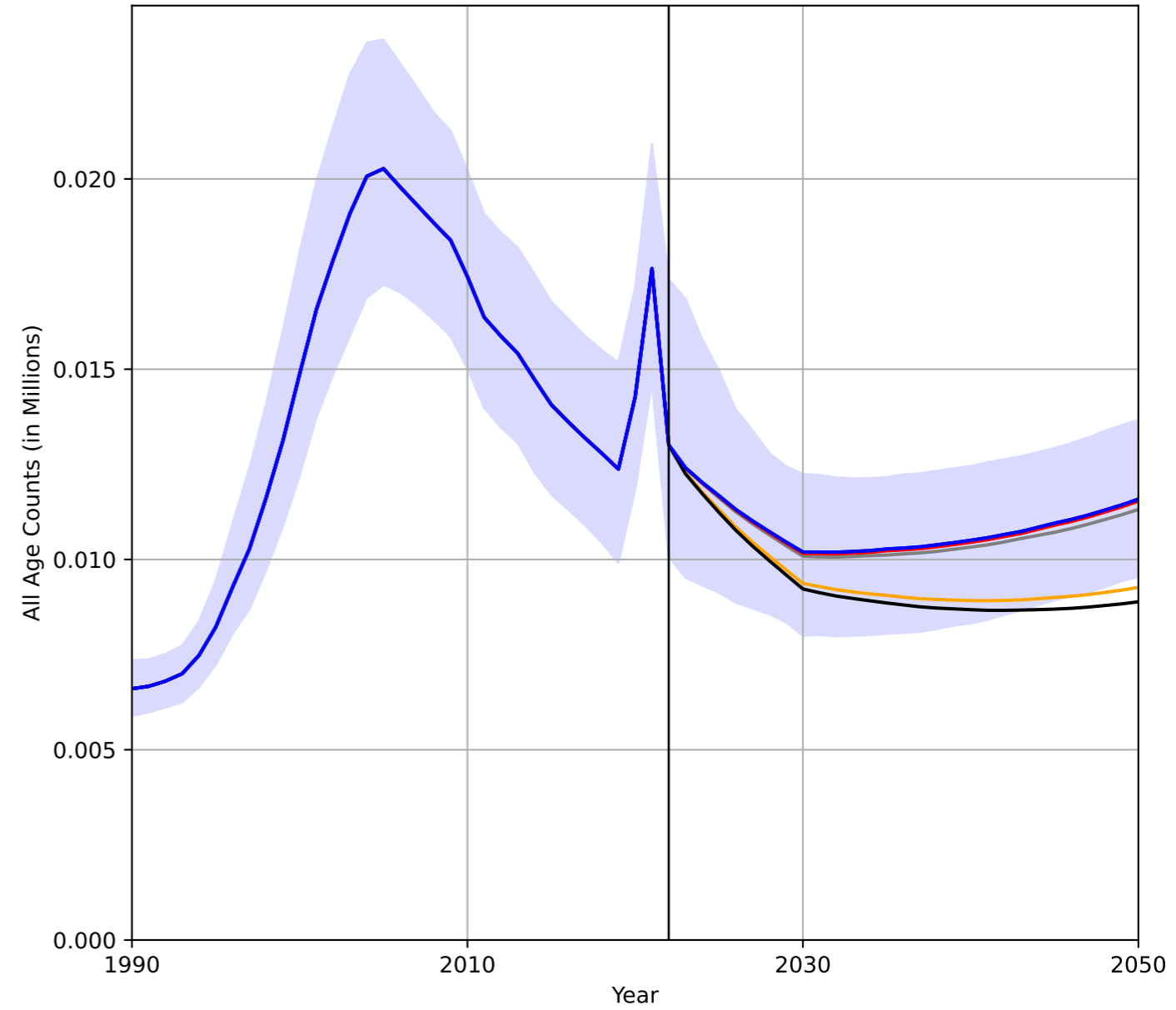
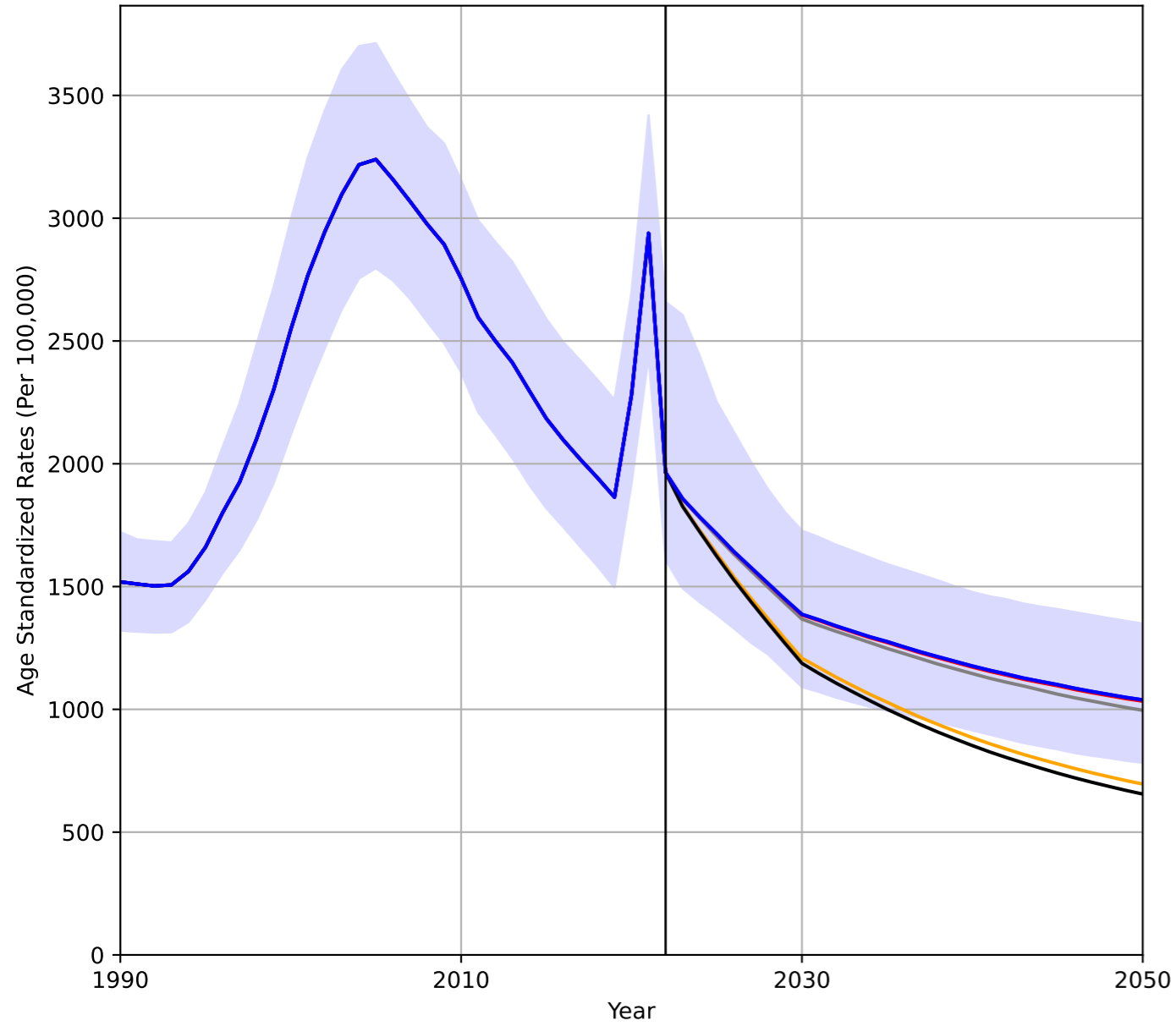




# Eswatini

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

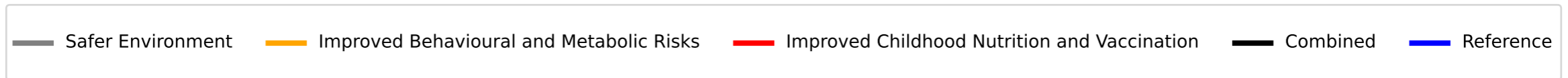
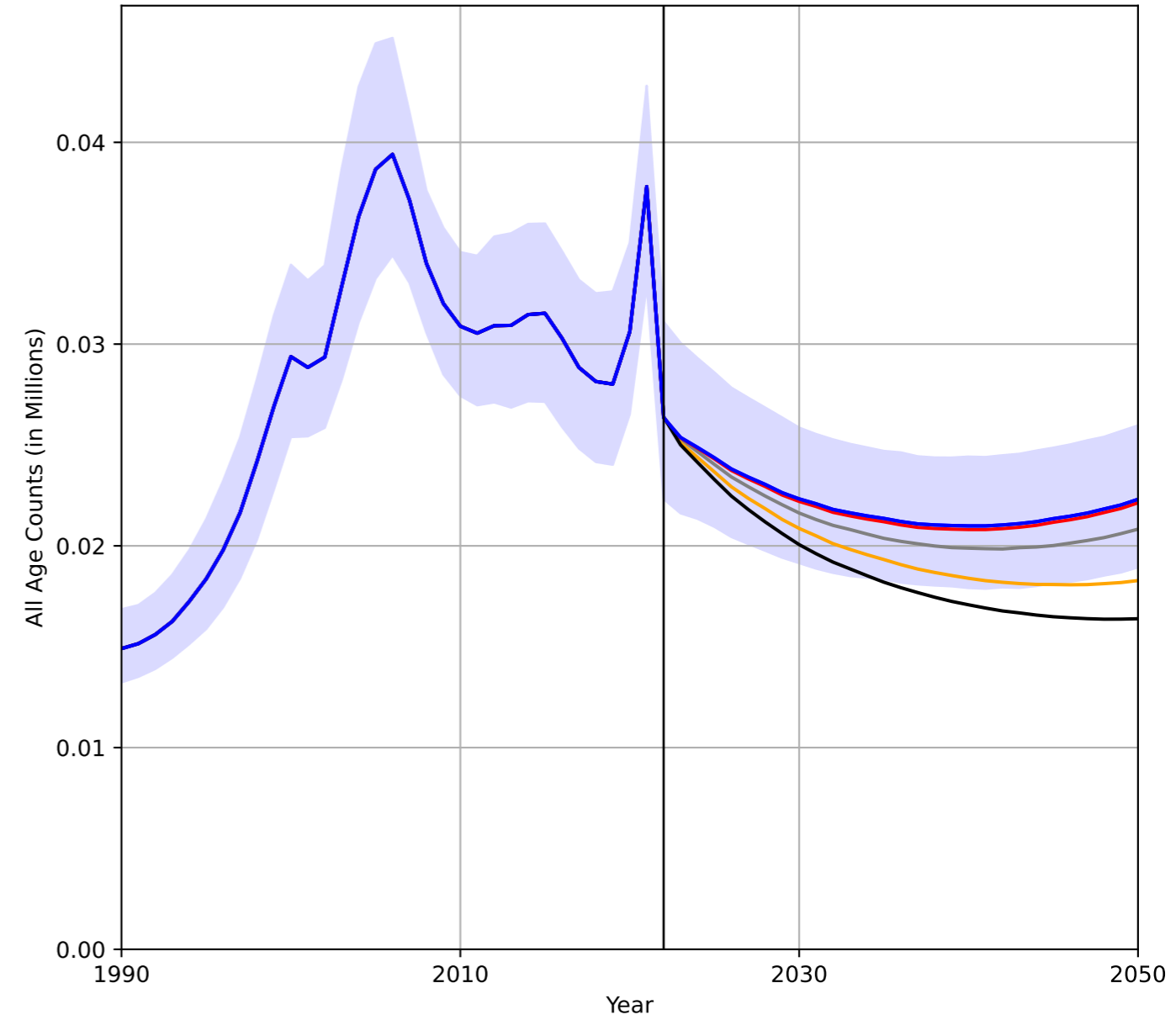
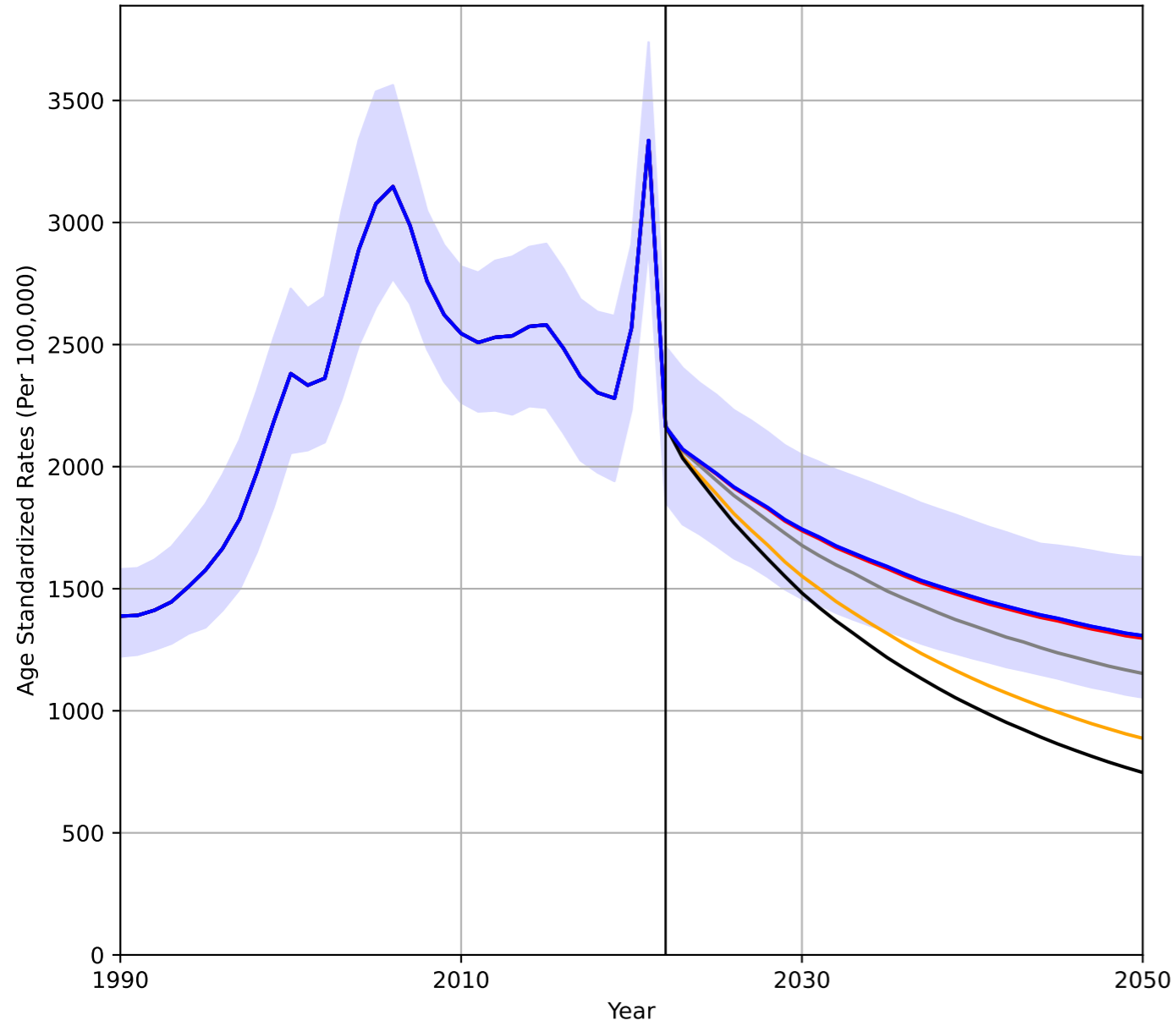
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# Lesotho

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

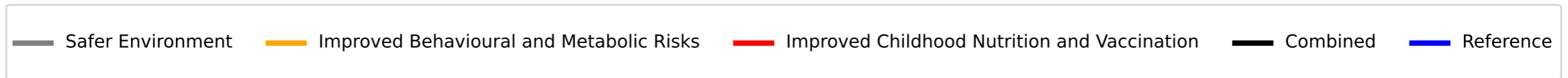
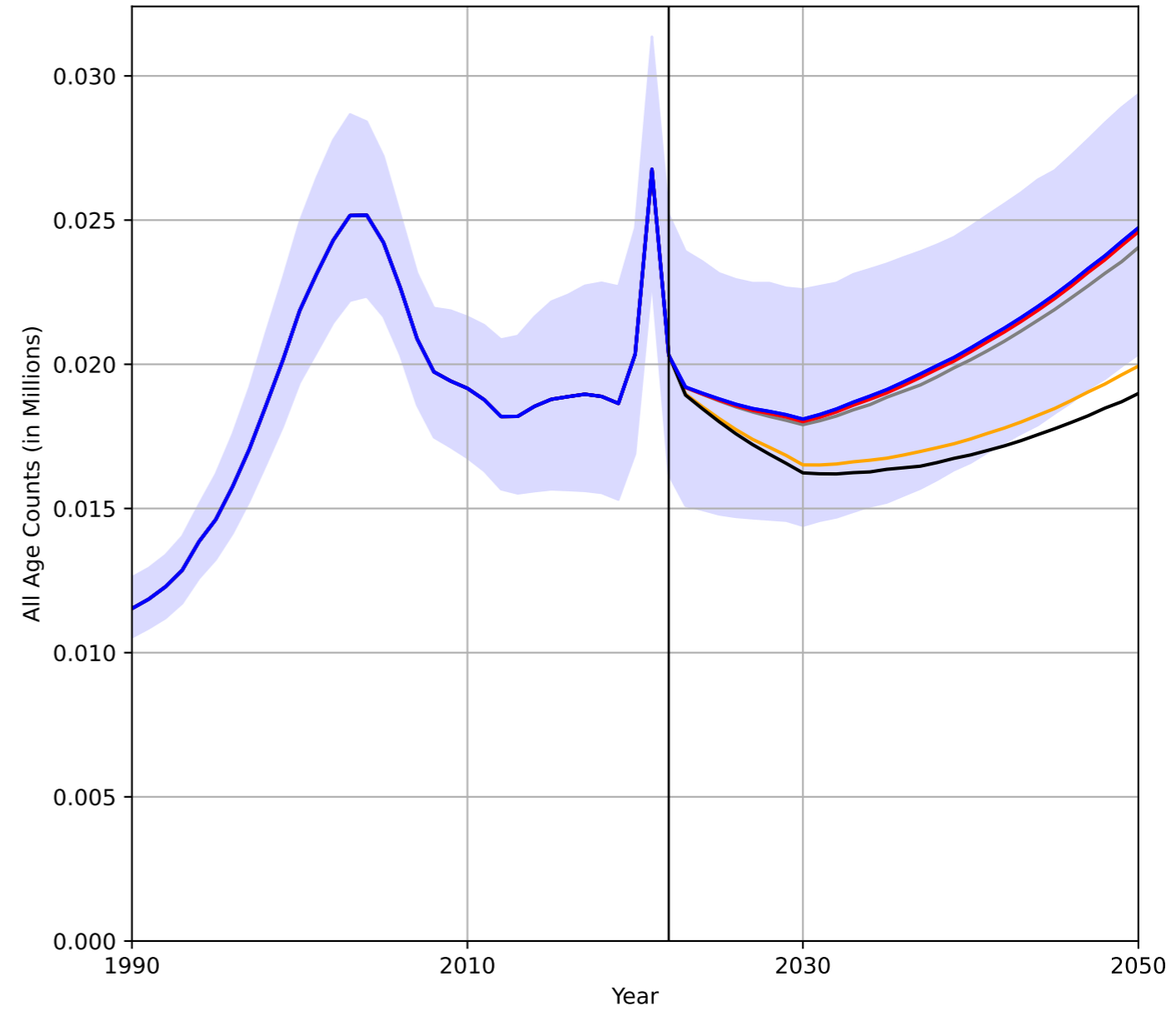
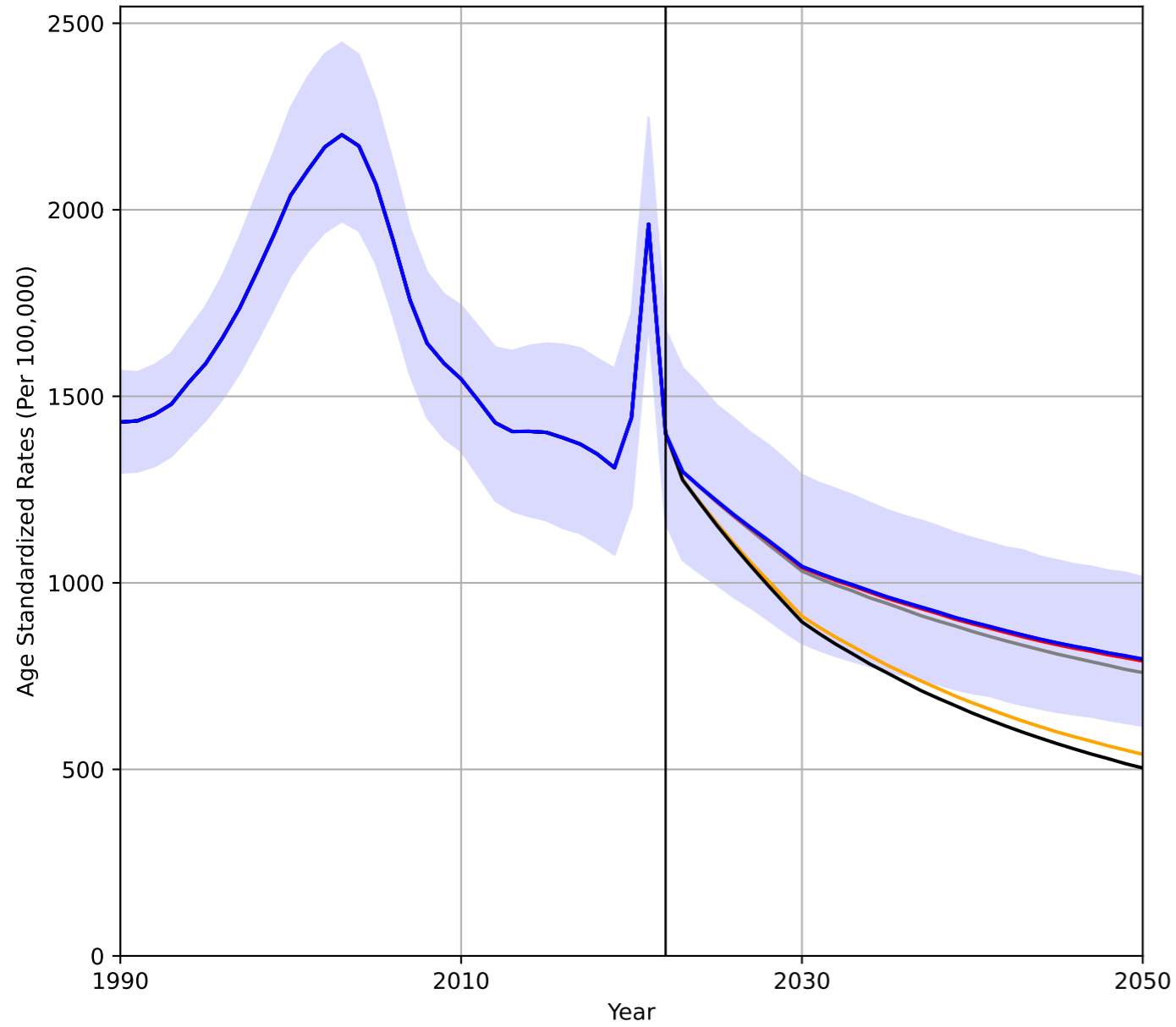
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# Namibia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

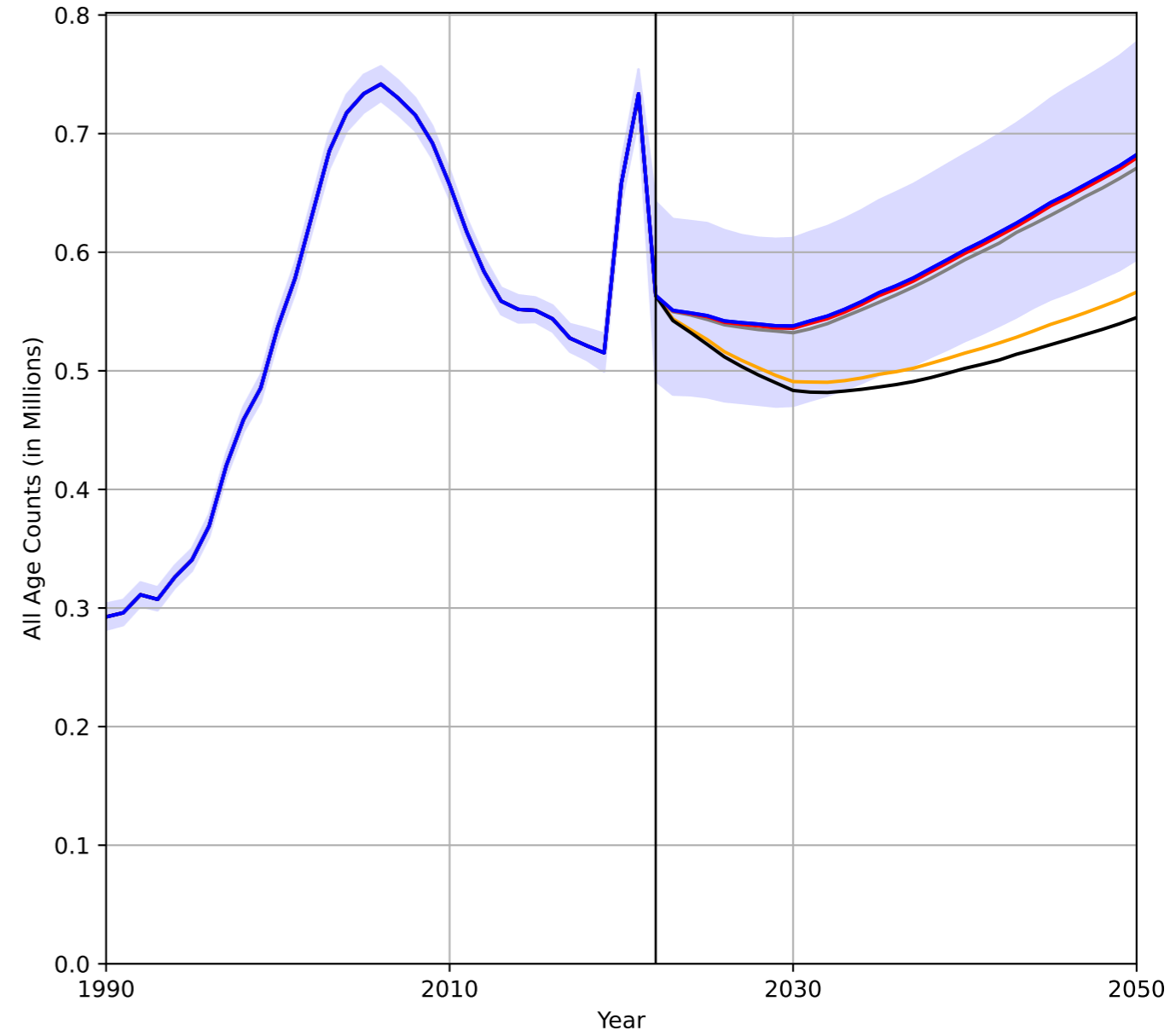
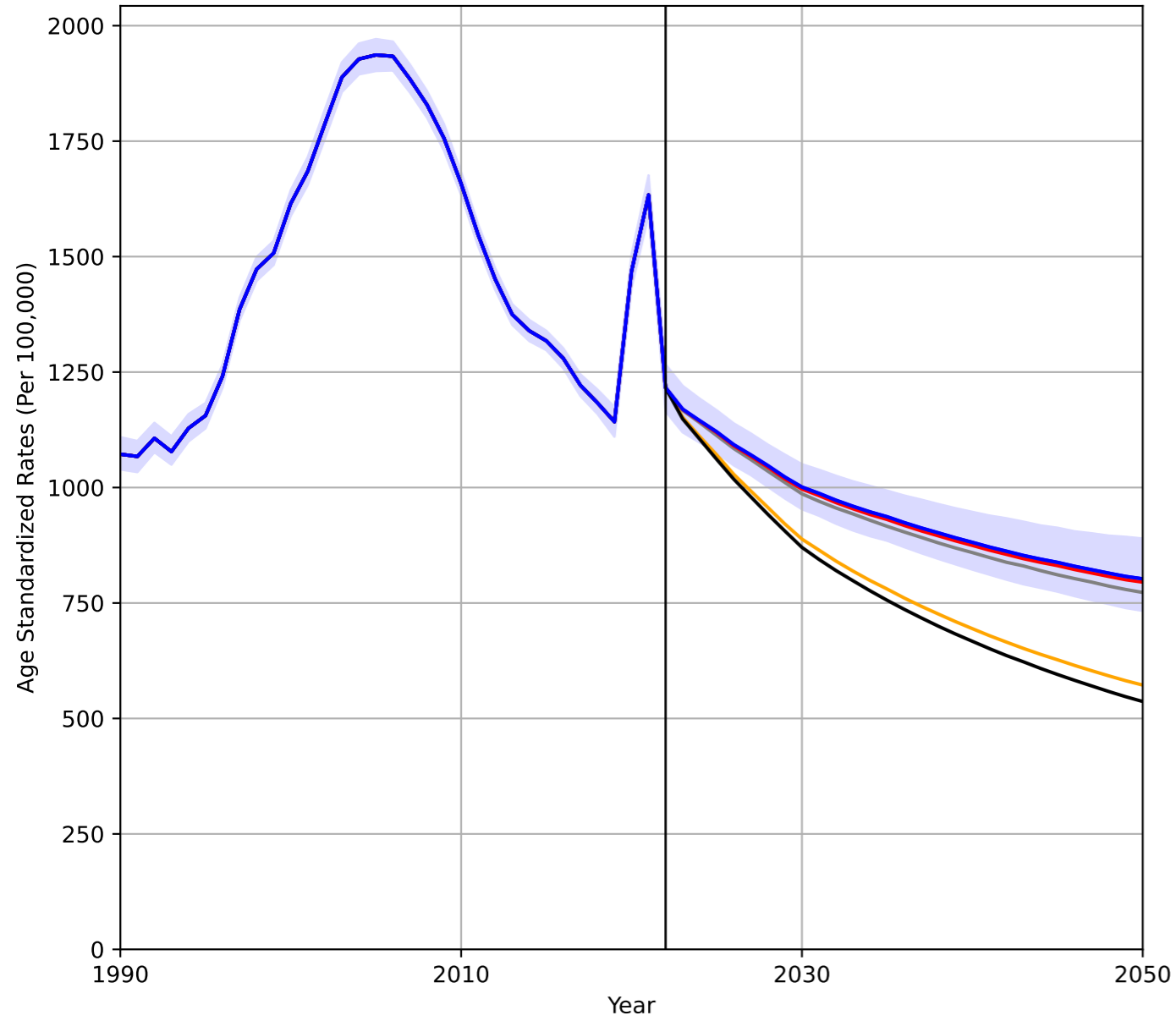
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# South Africa

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

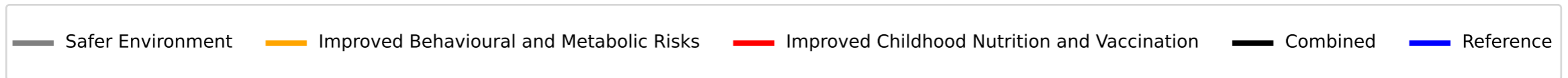
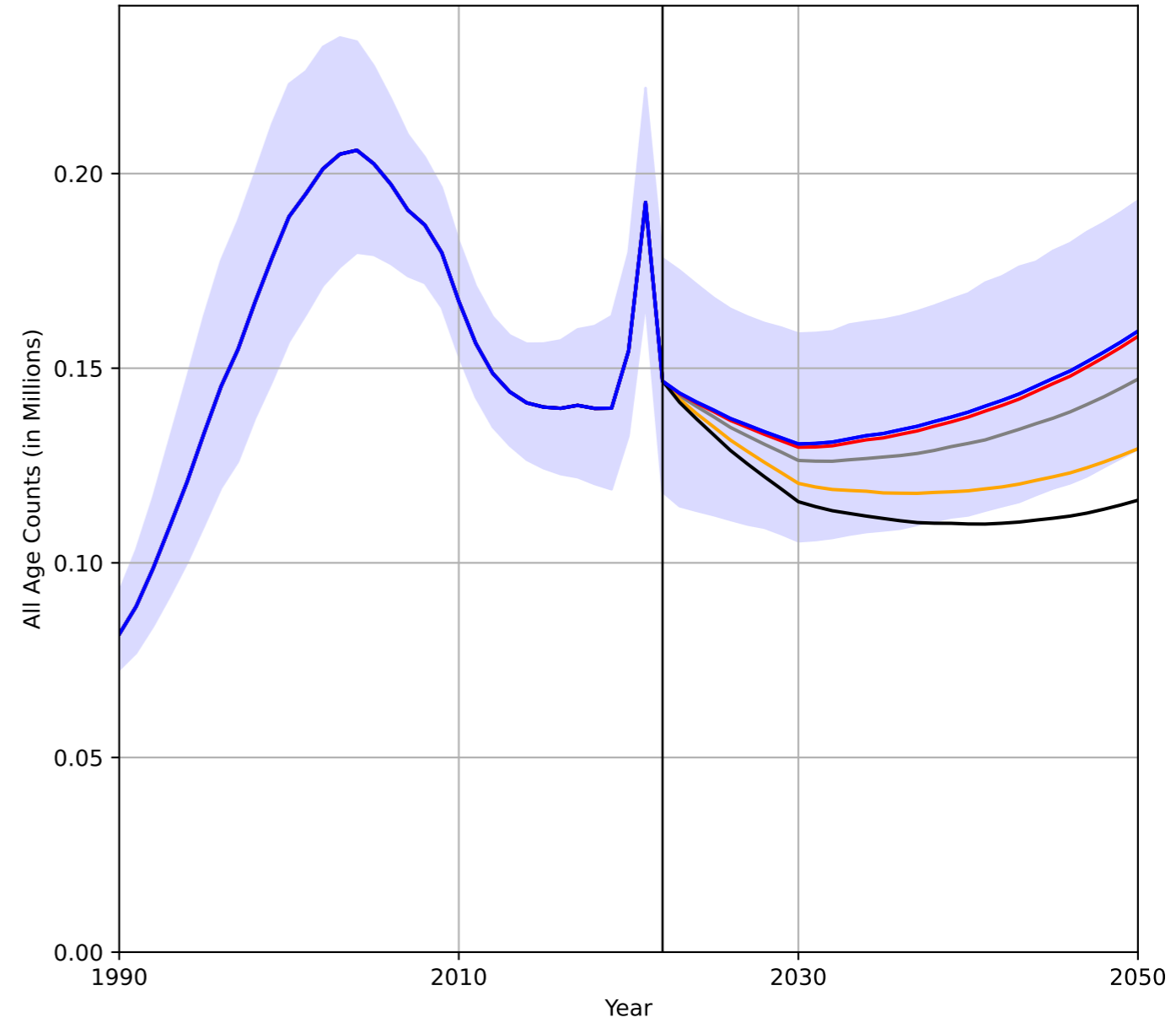
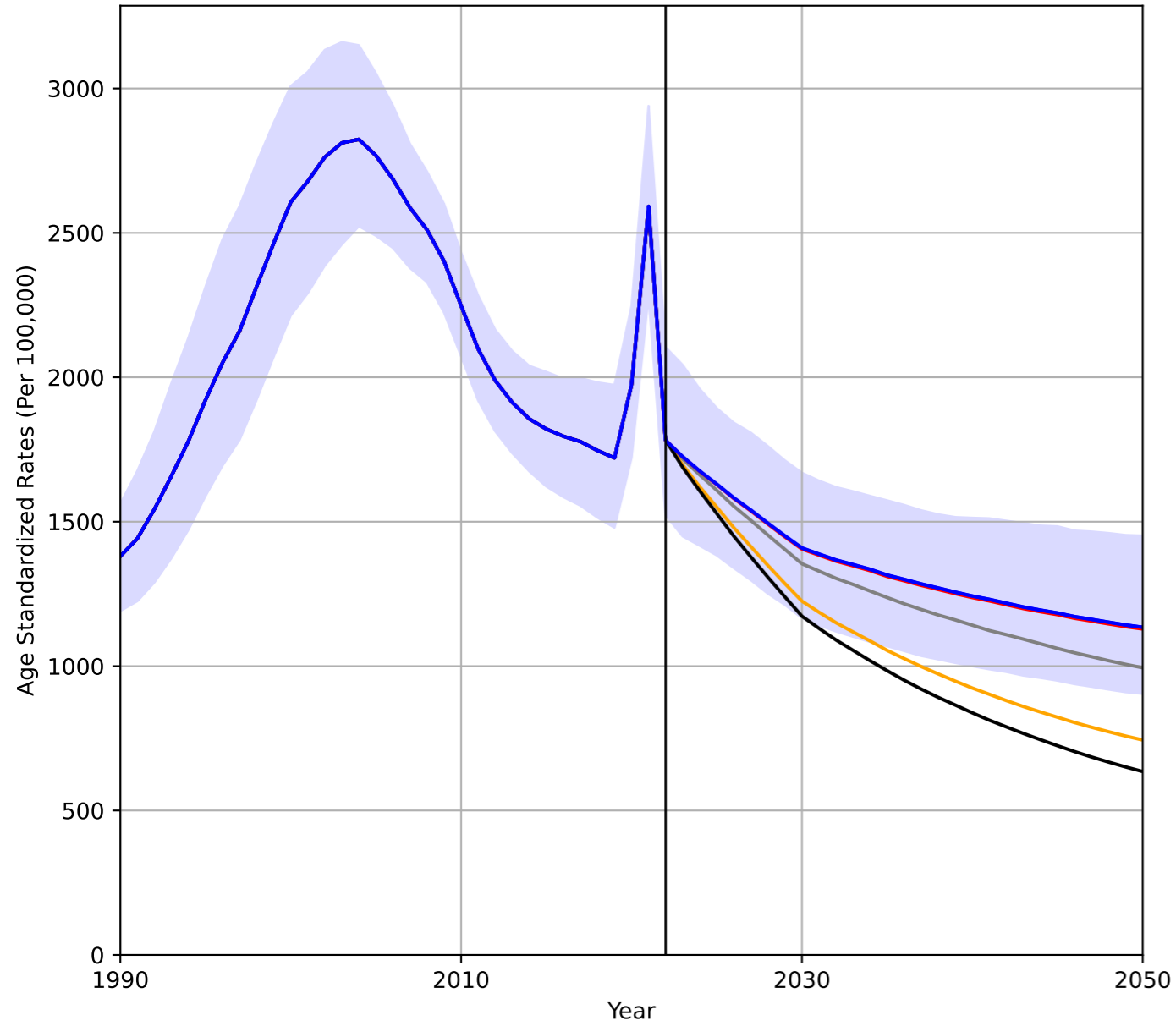
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# Zimbabwe

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

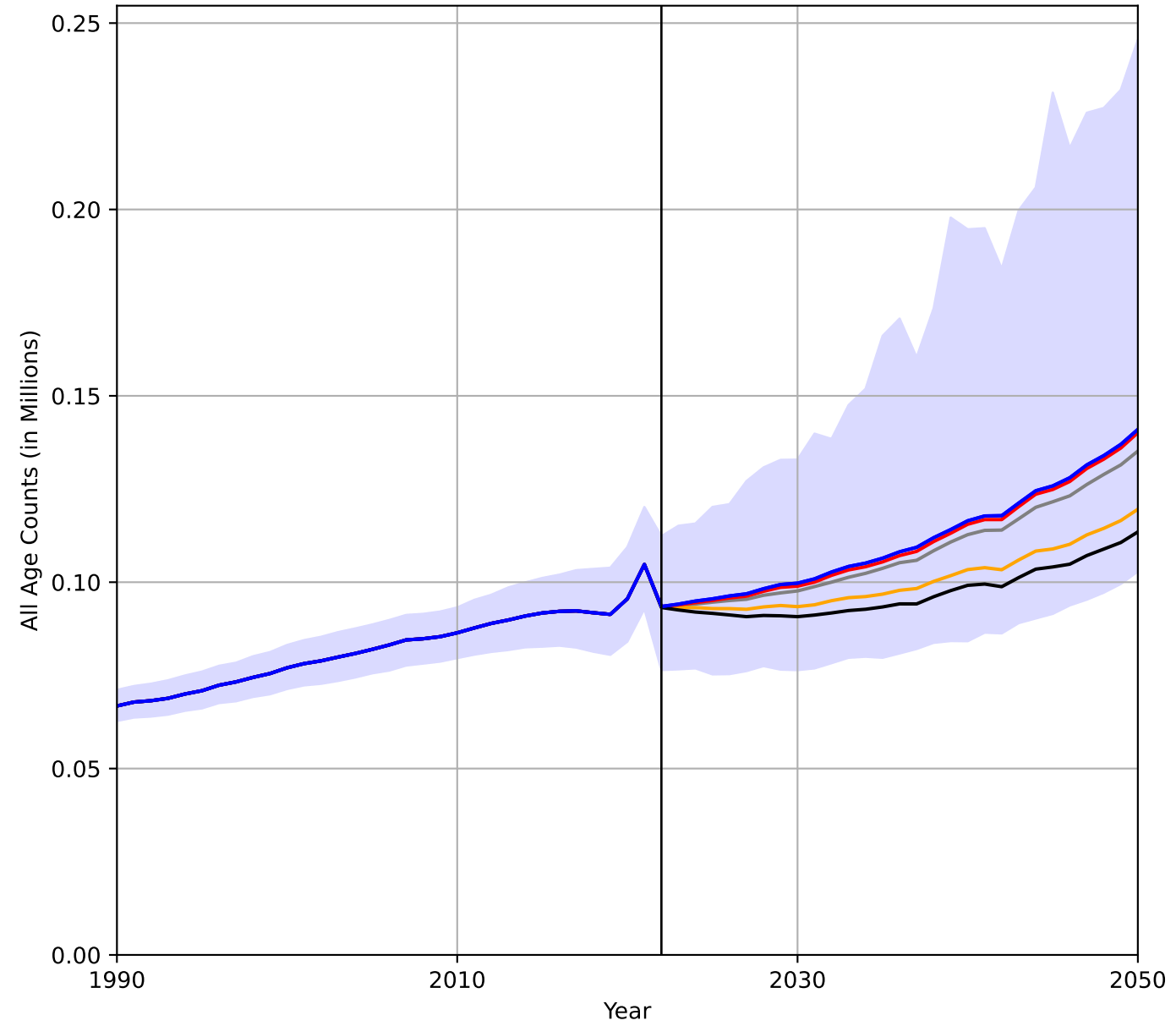
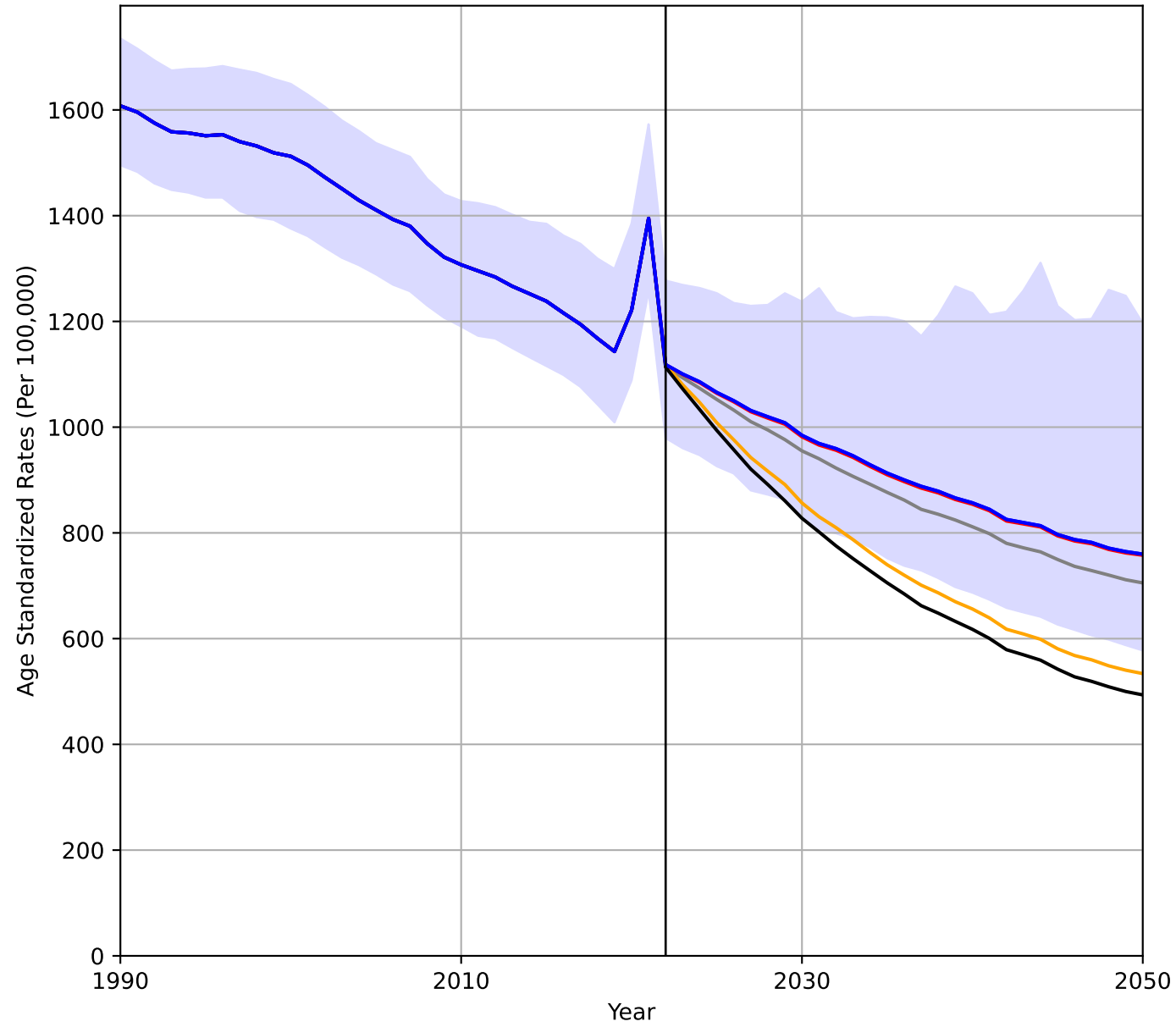
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# Benin

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

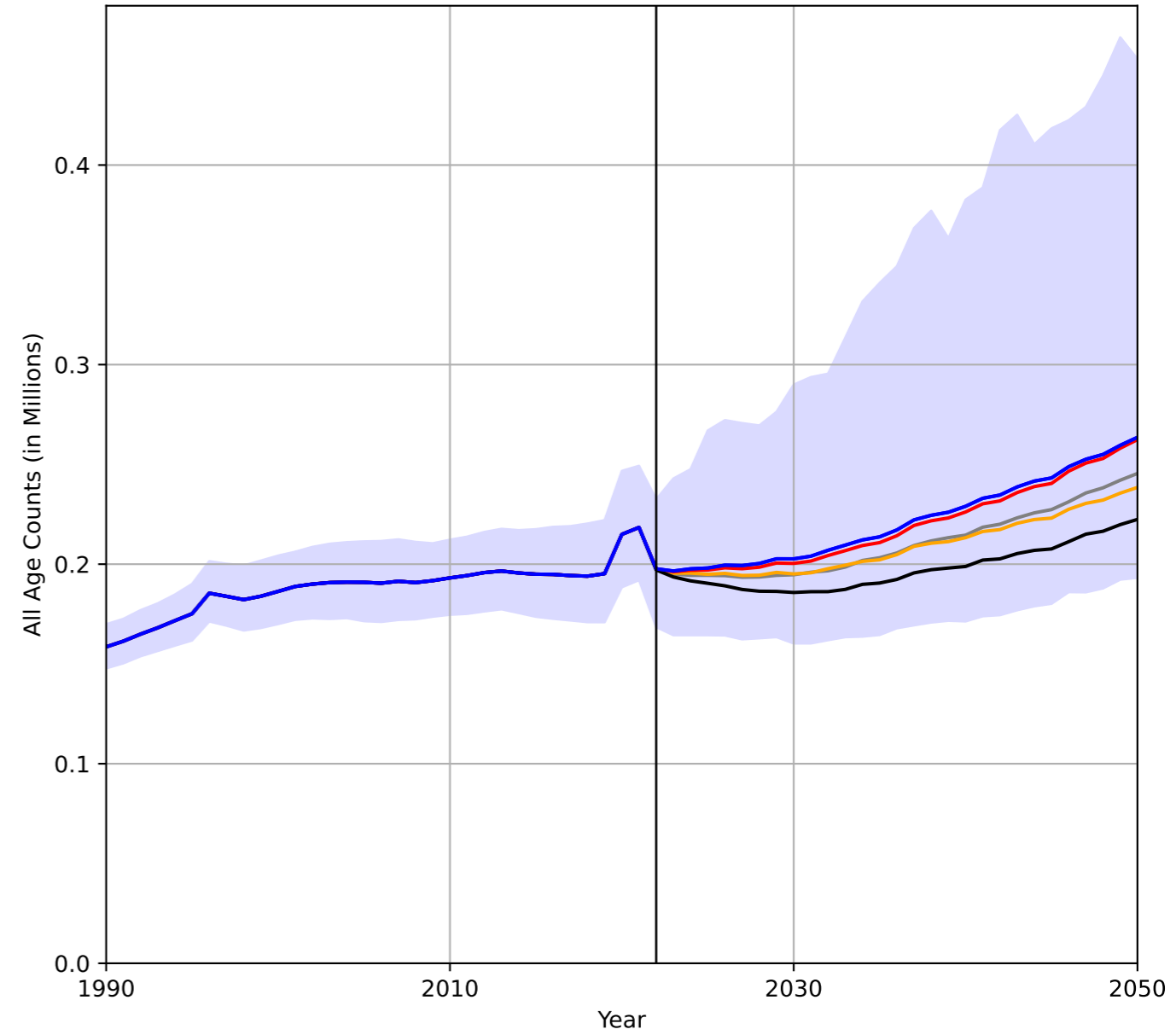
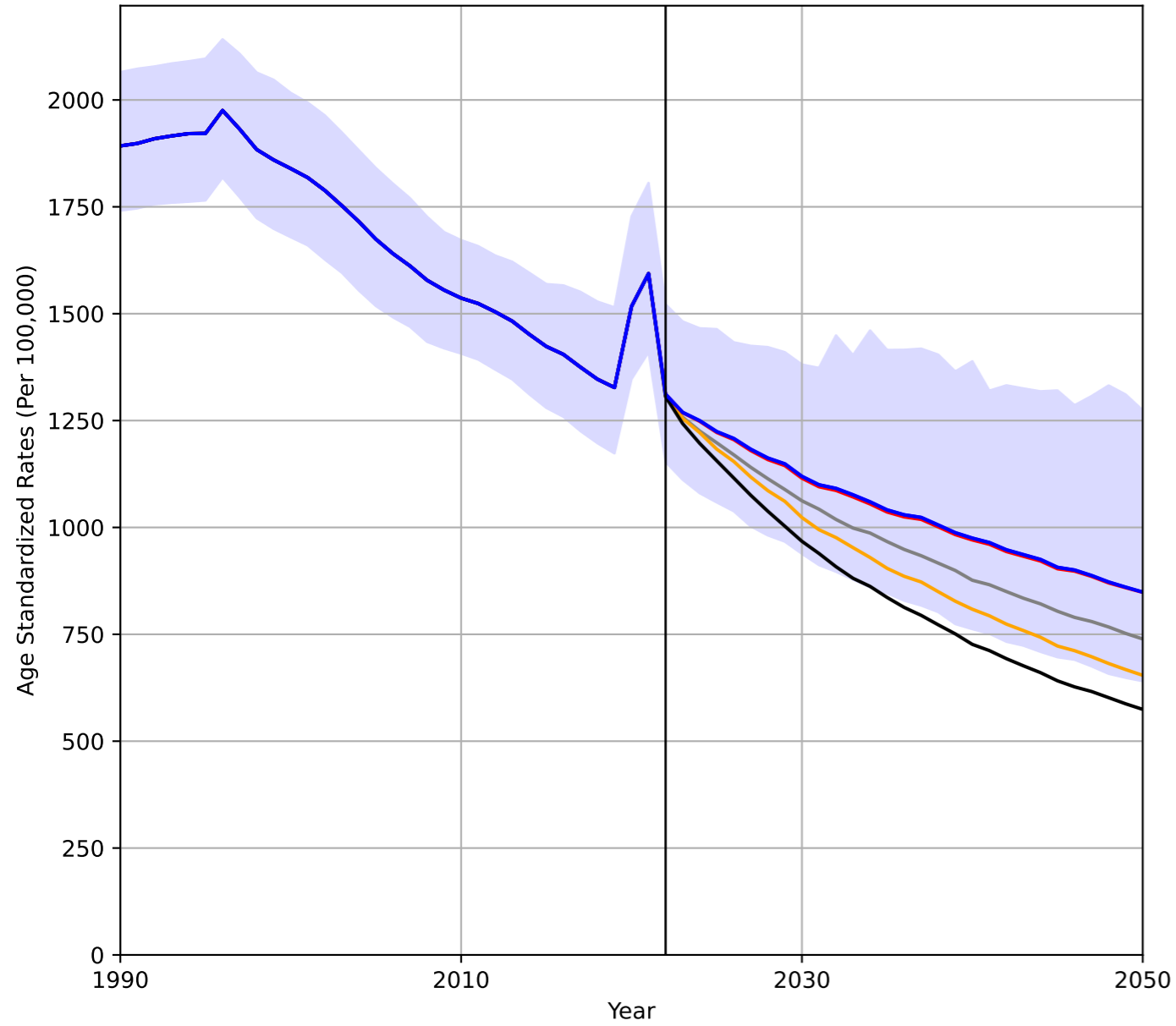
1829



# Burkina Faso

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

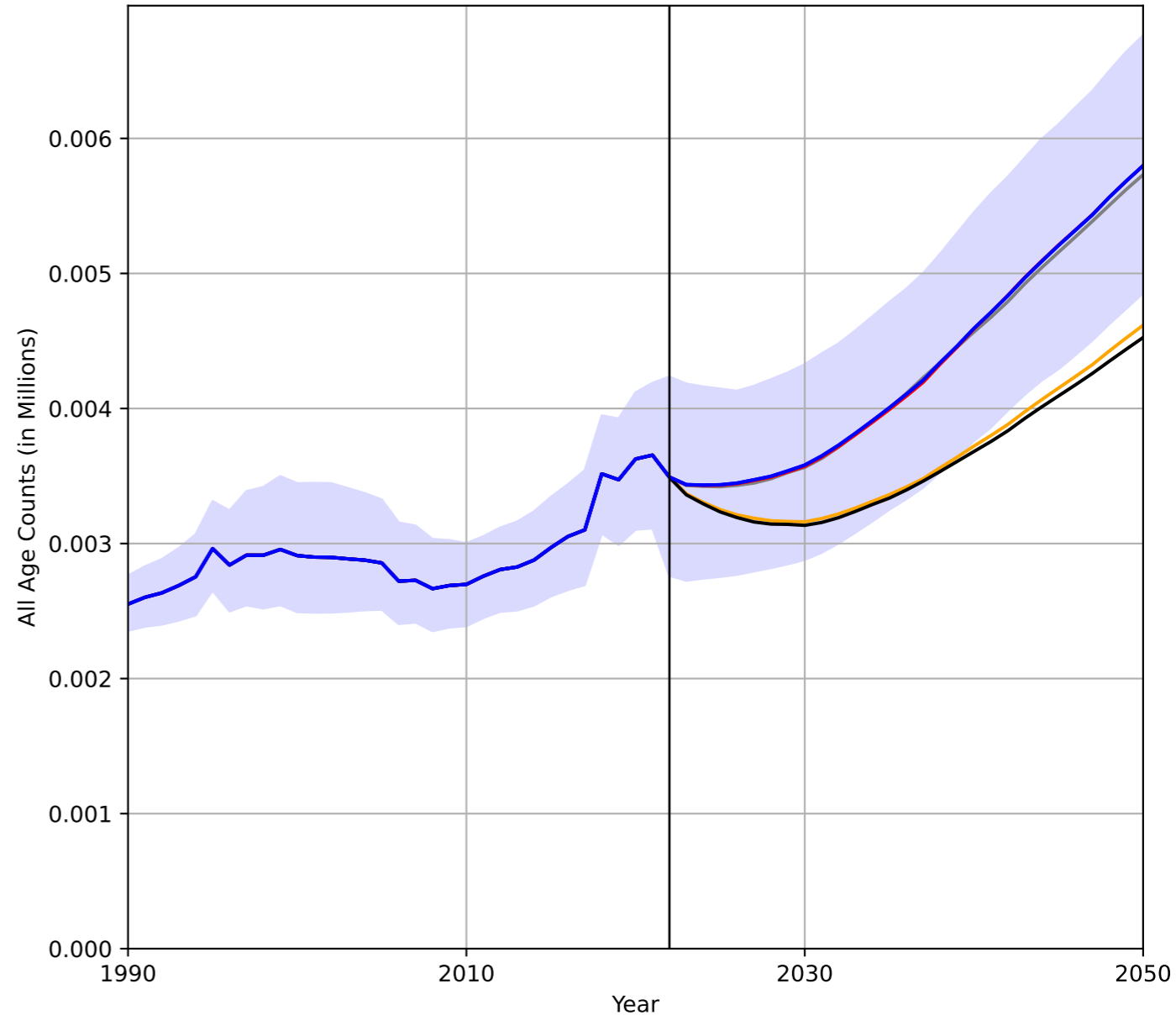
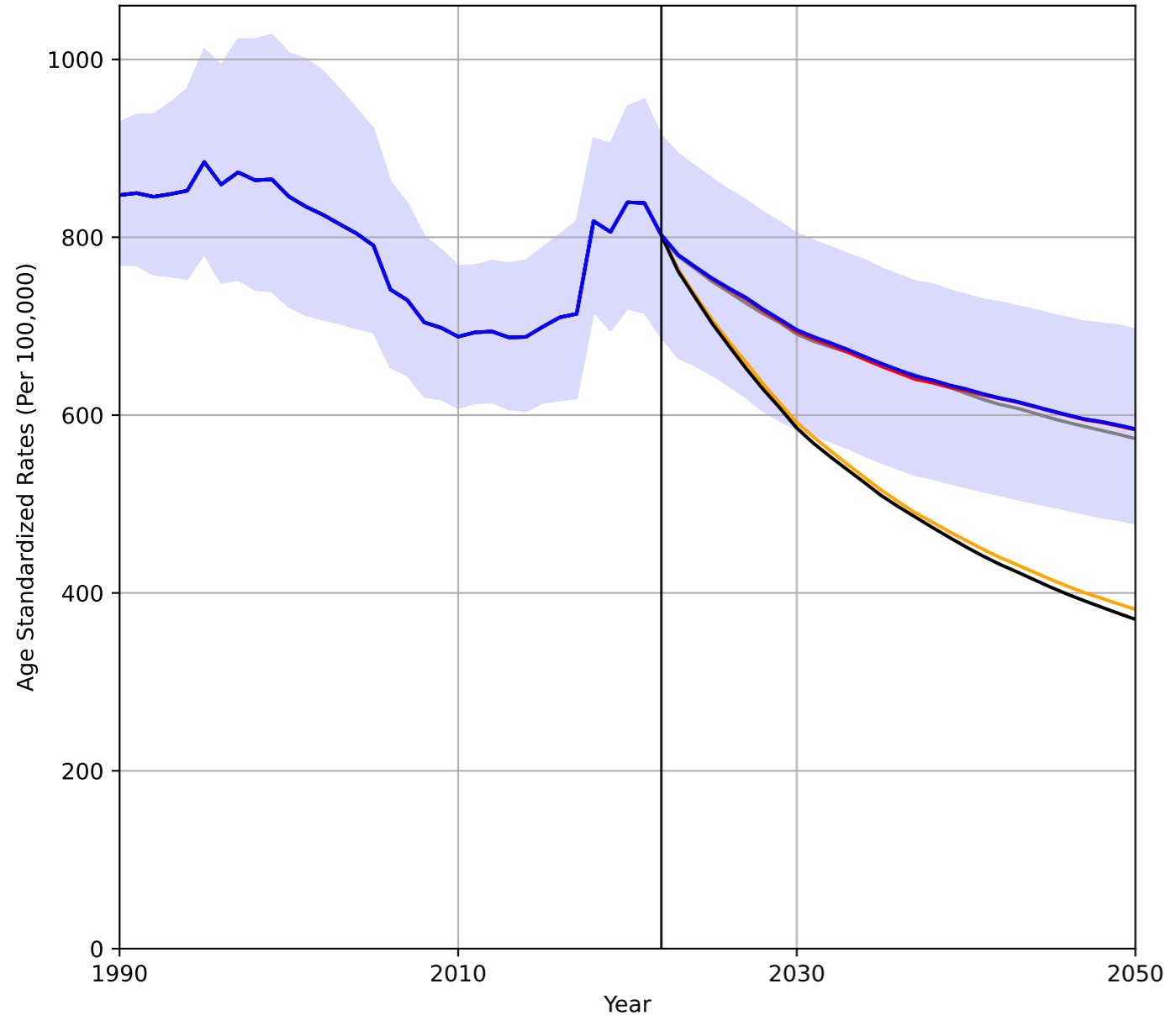
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# Cabo Verde

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1831

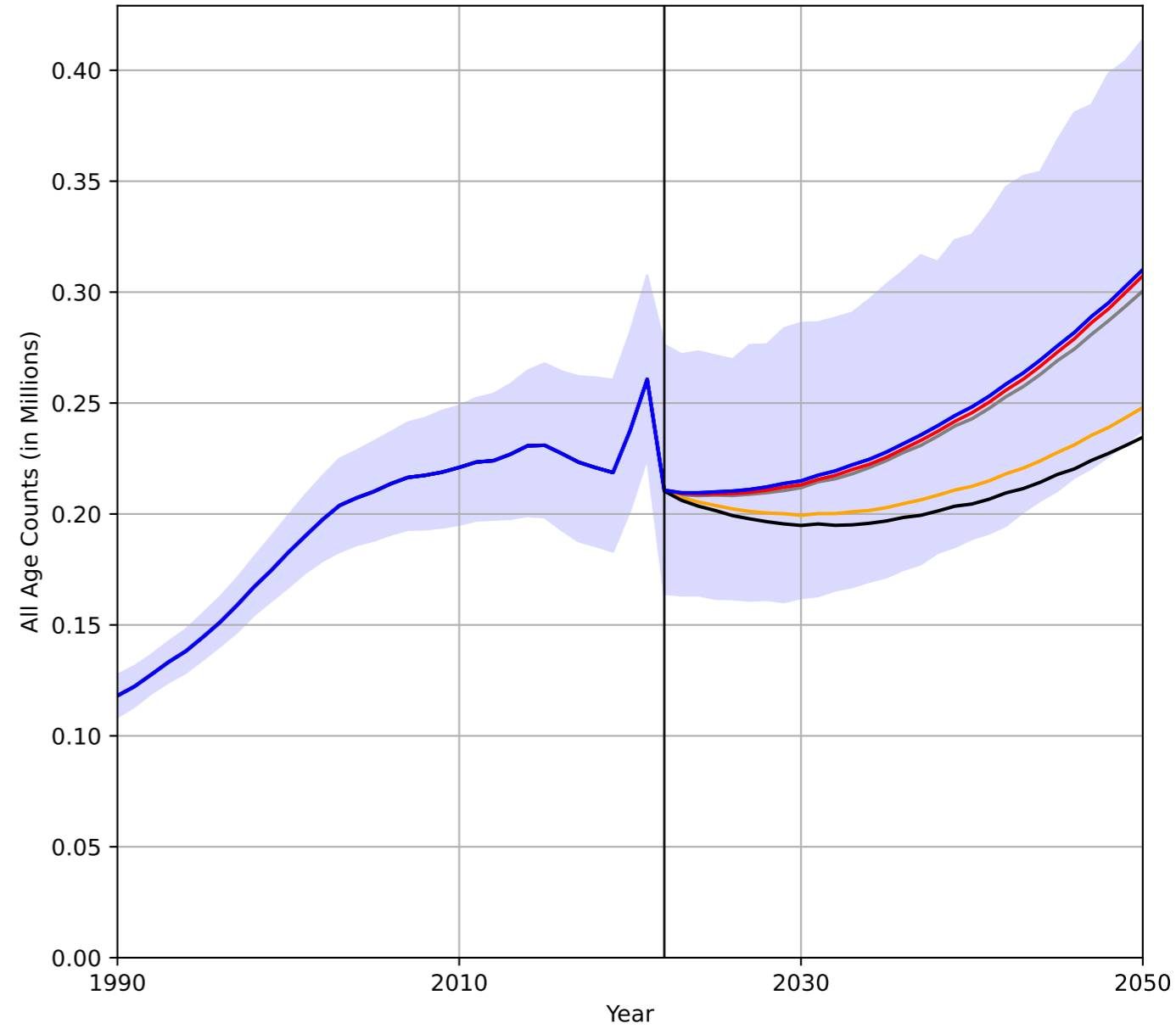
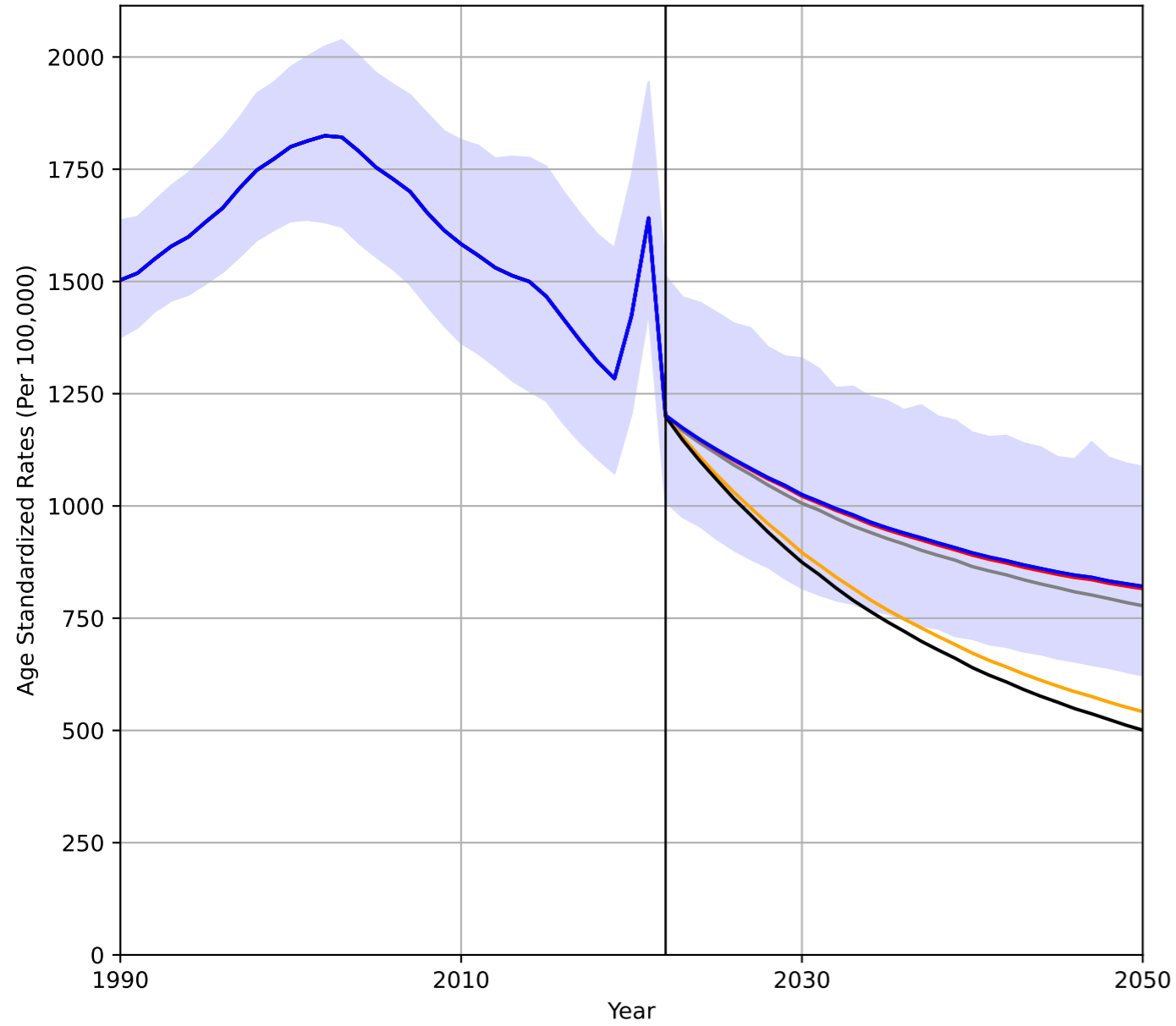




# Cameroon

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

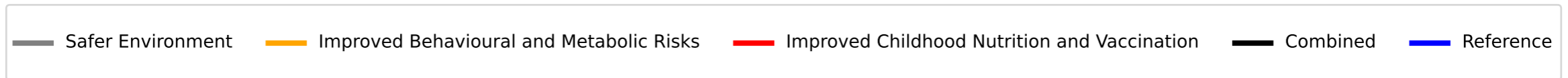
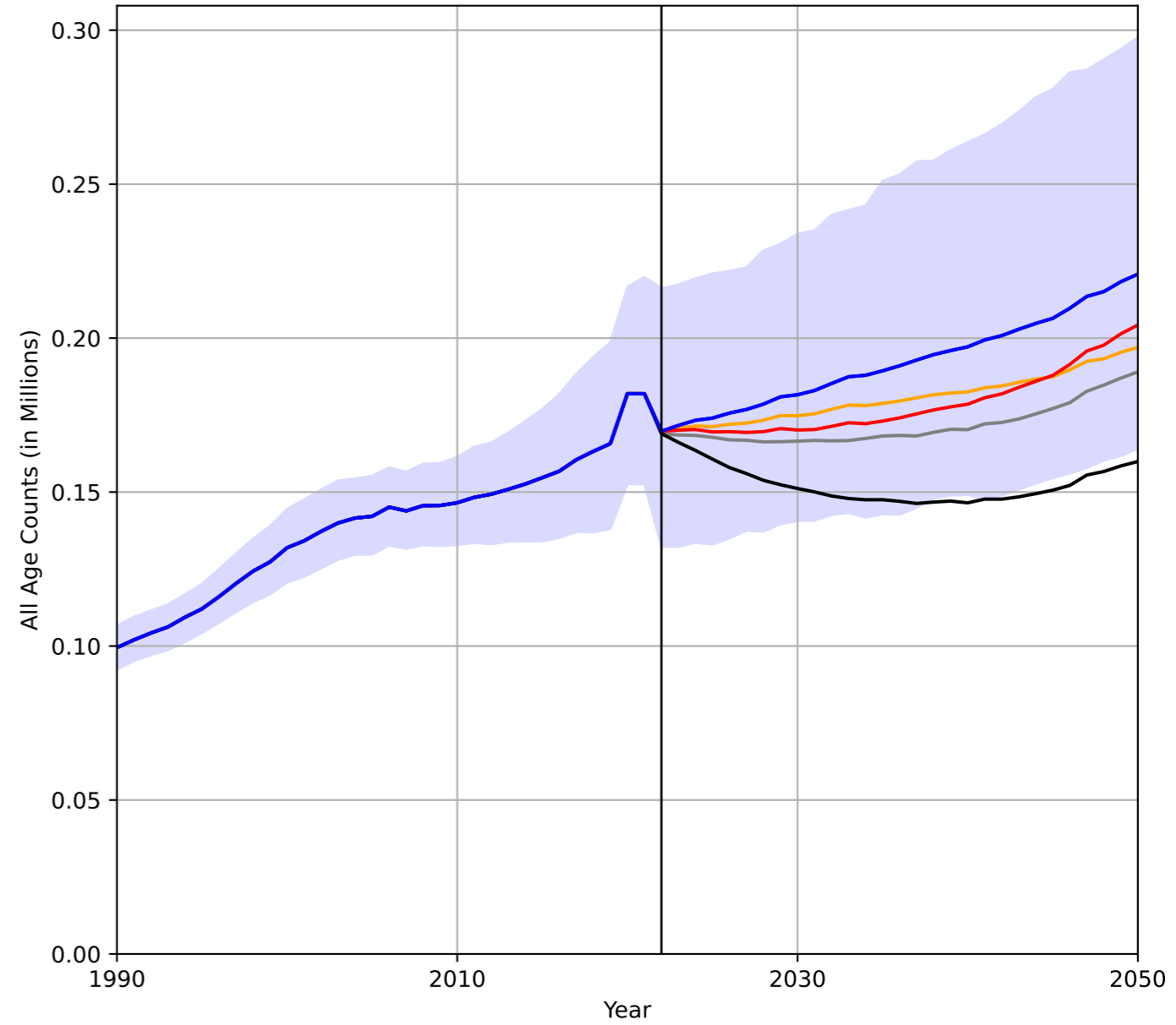
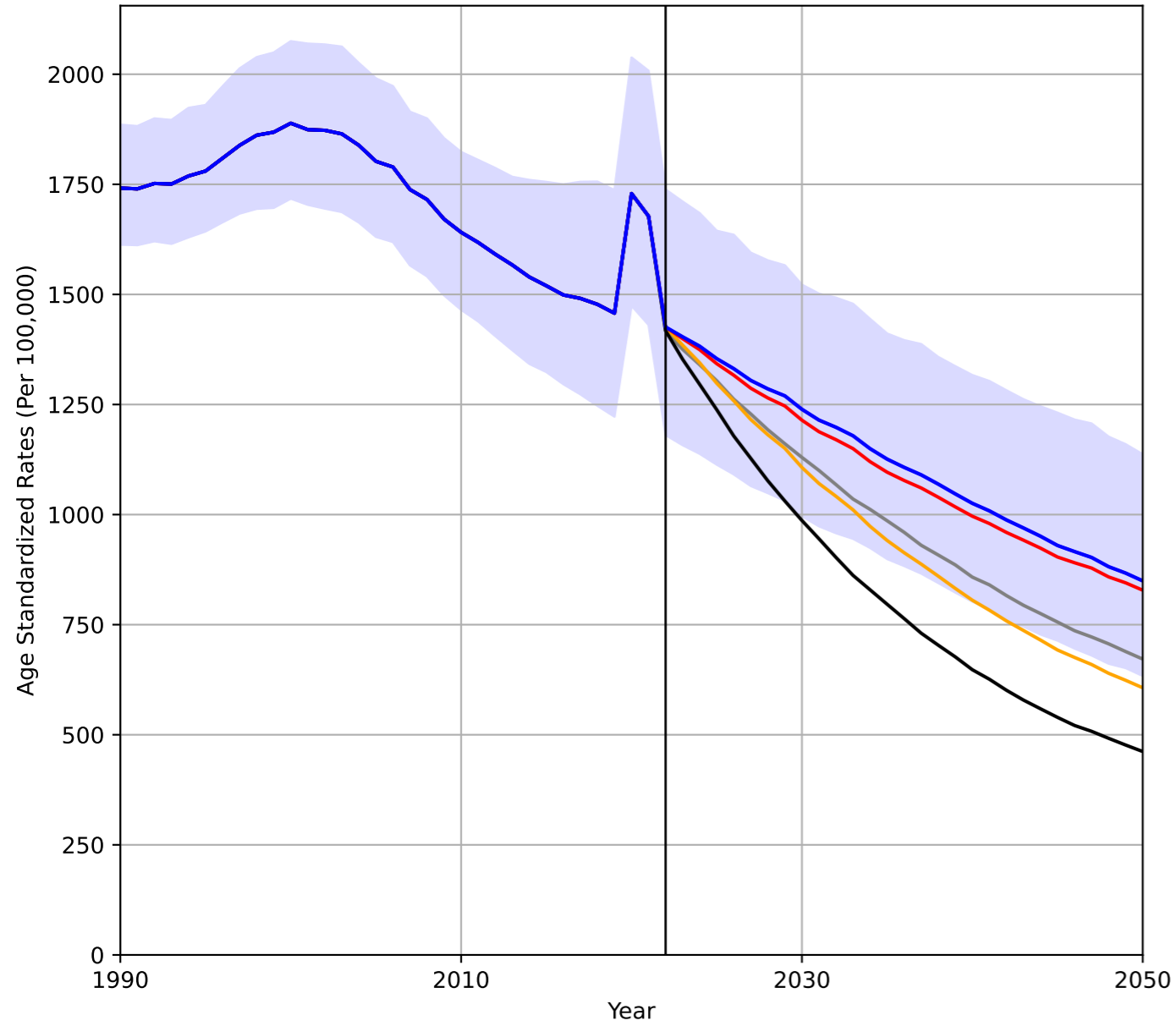
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# Chad

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

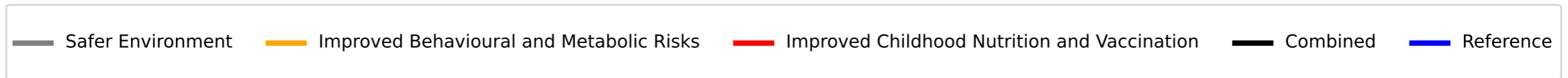
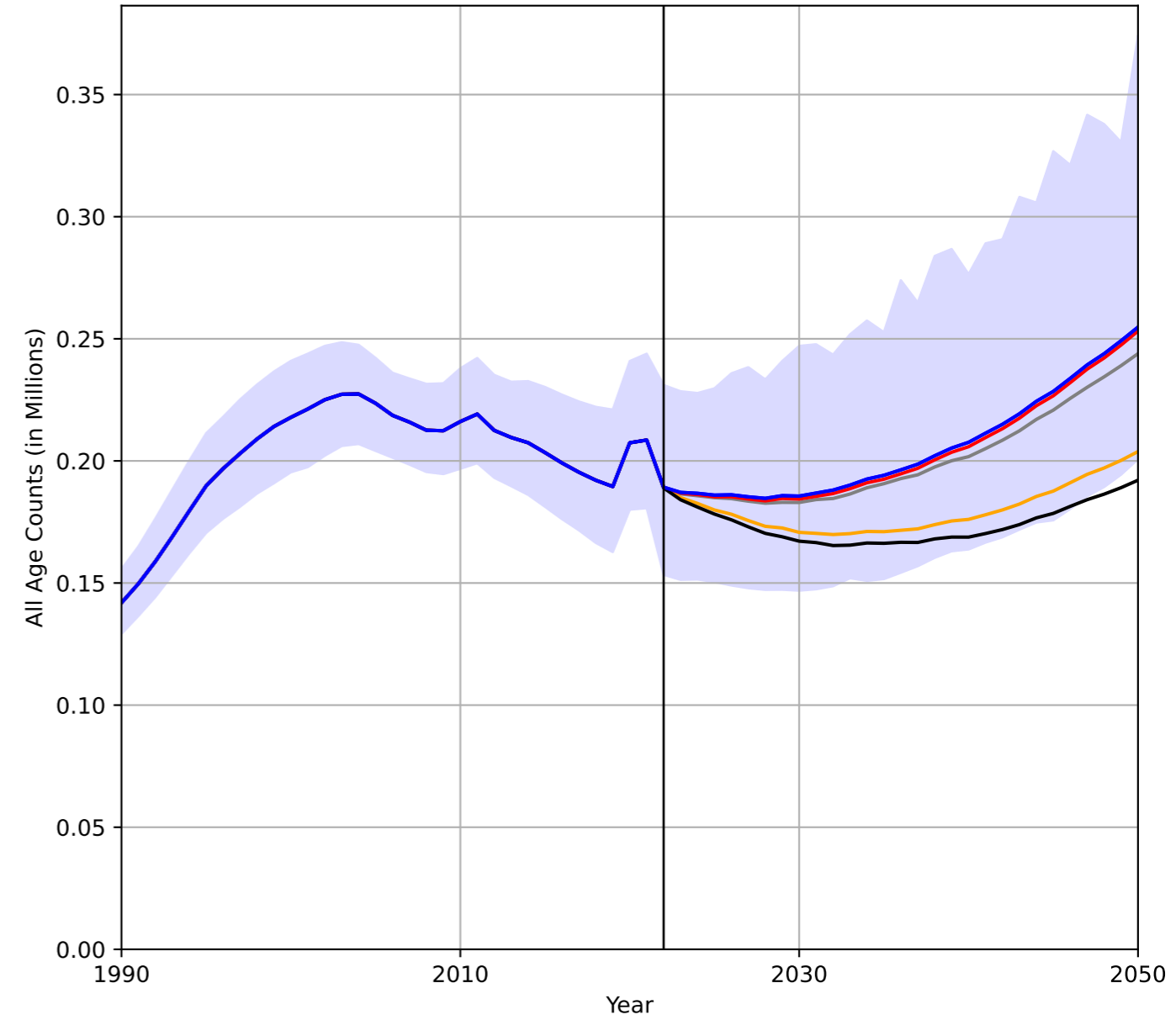
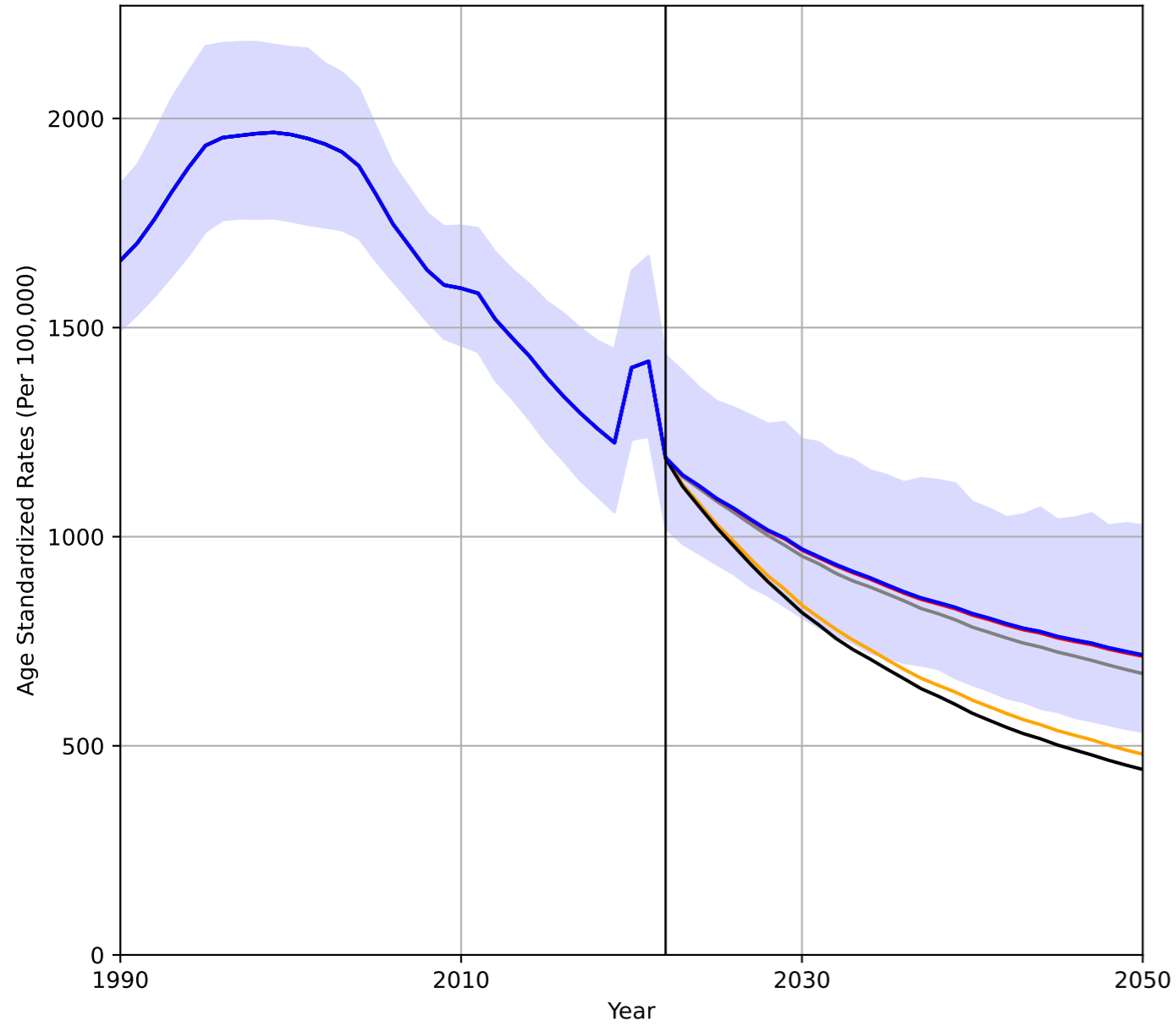
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# Côte D'Ivoire

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

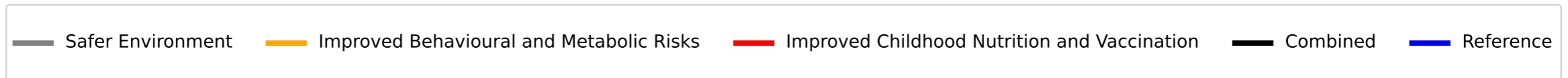
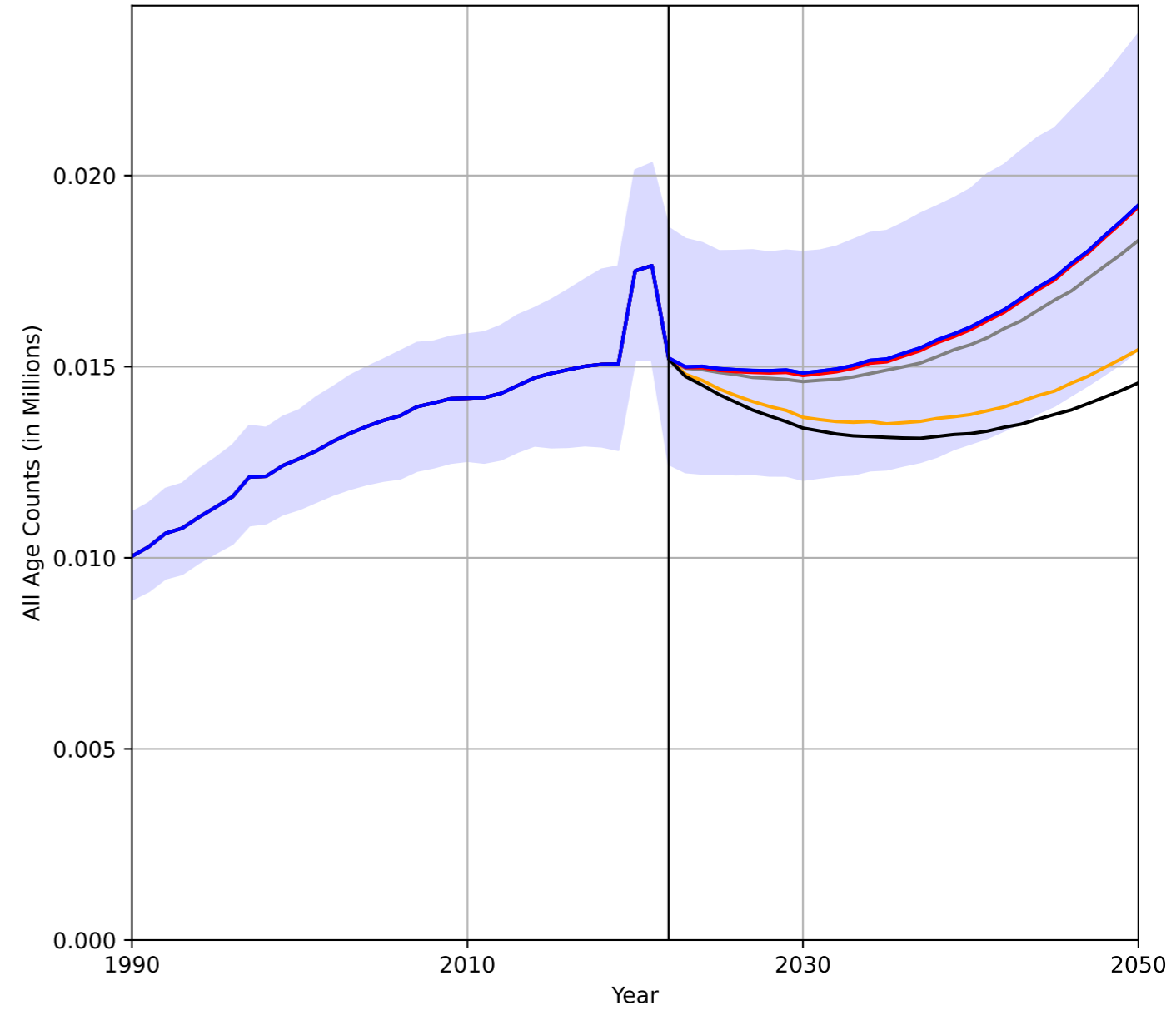
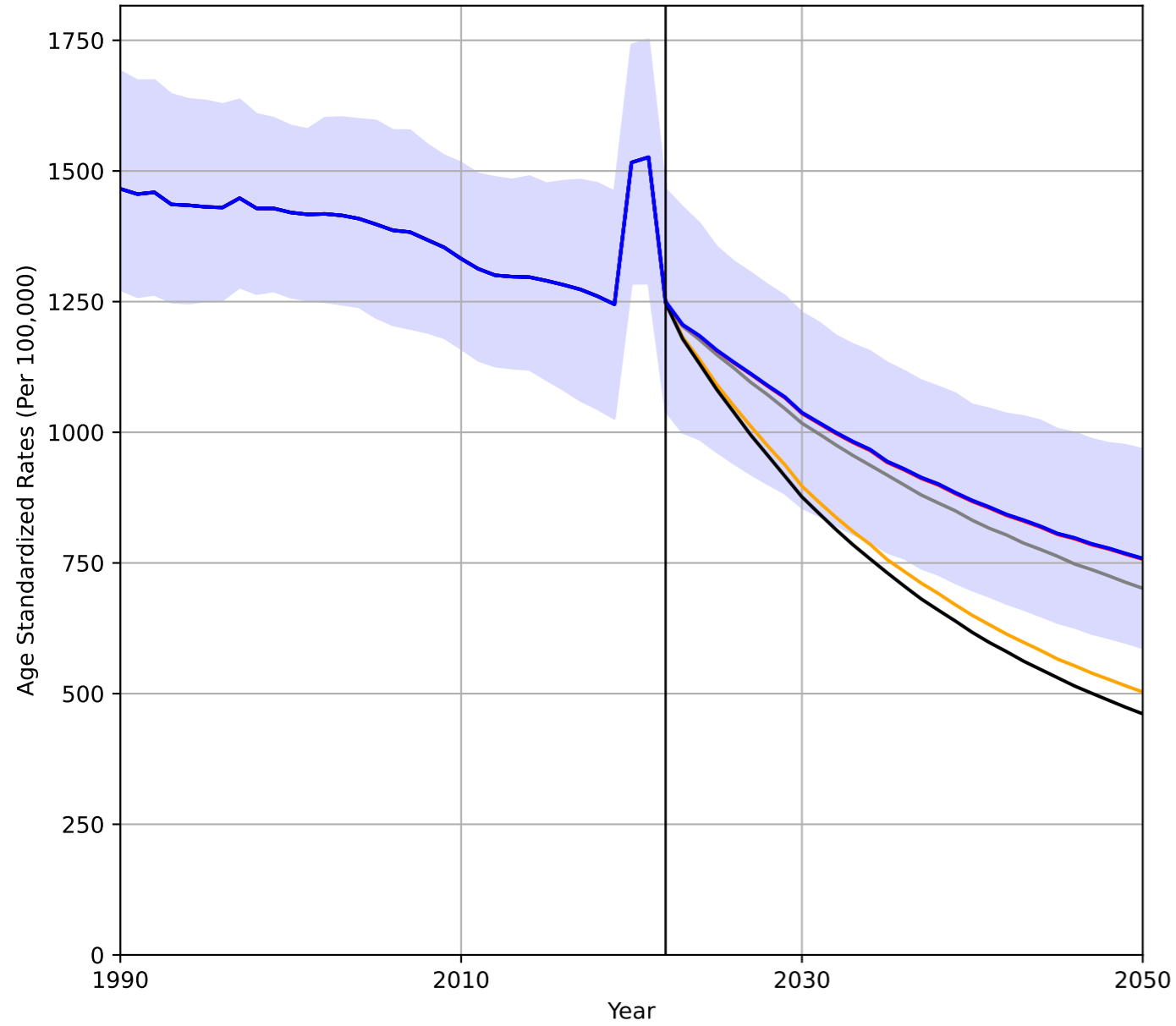
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# The Gambia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

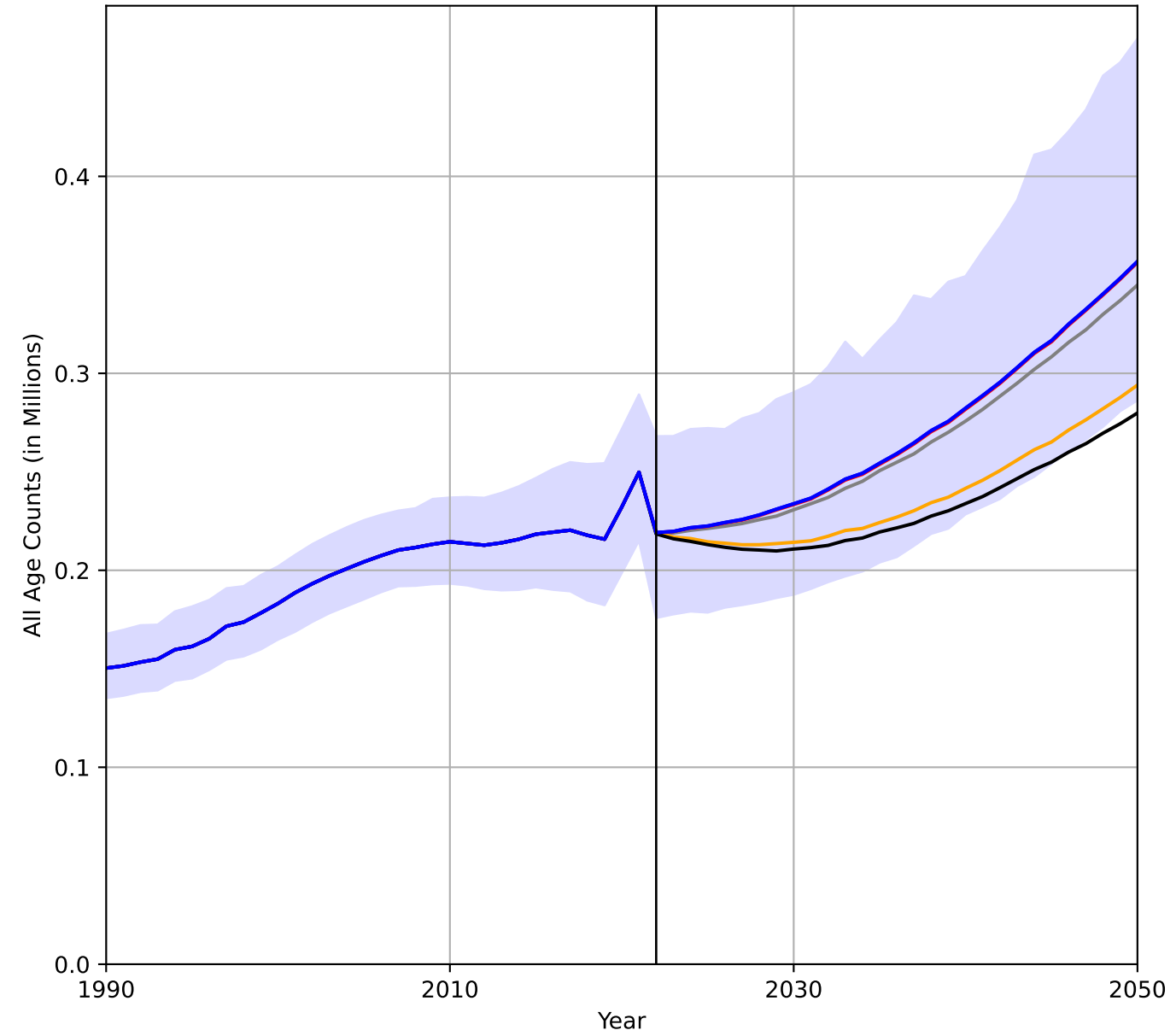
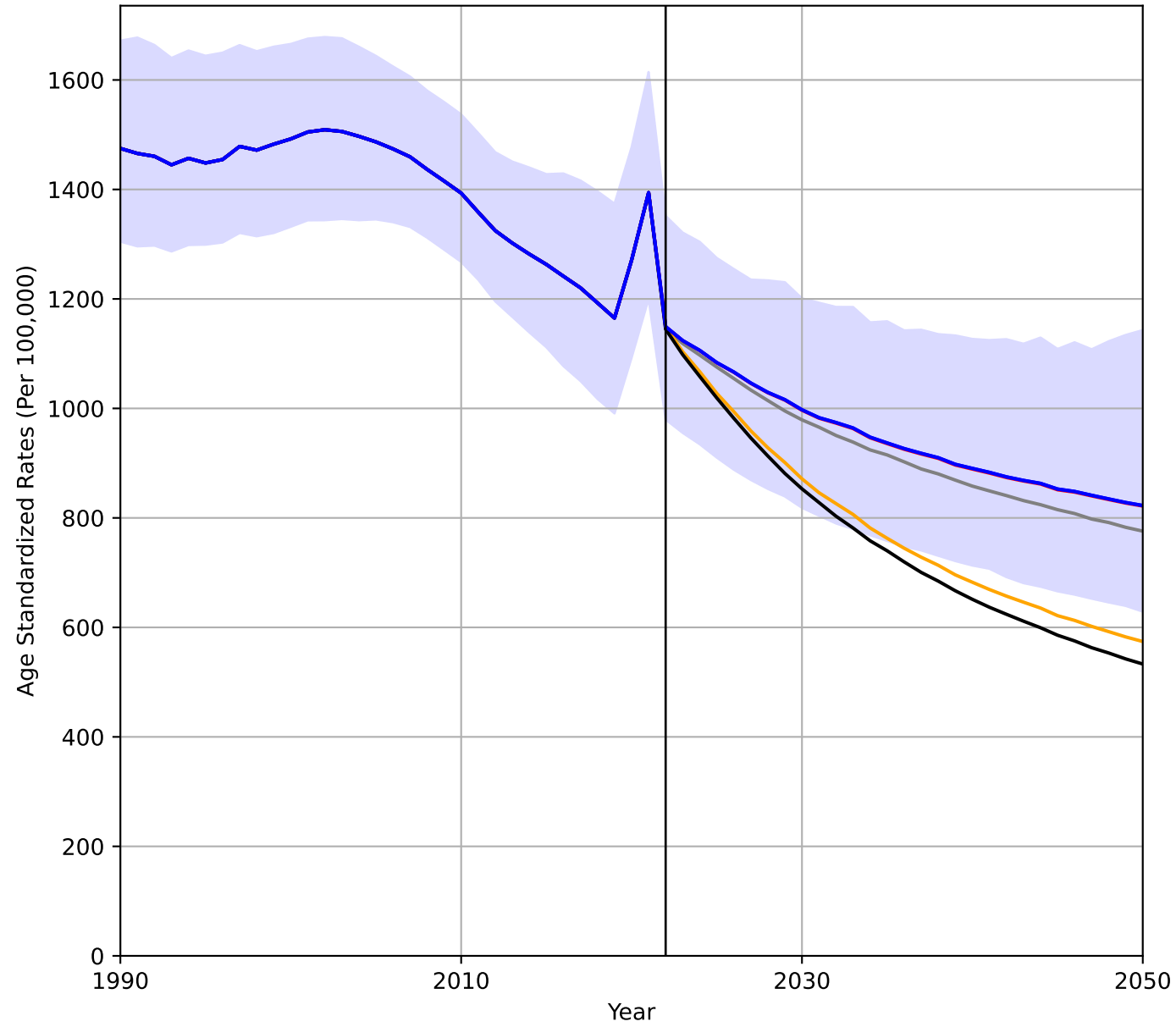
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# Ghana

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

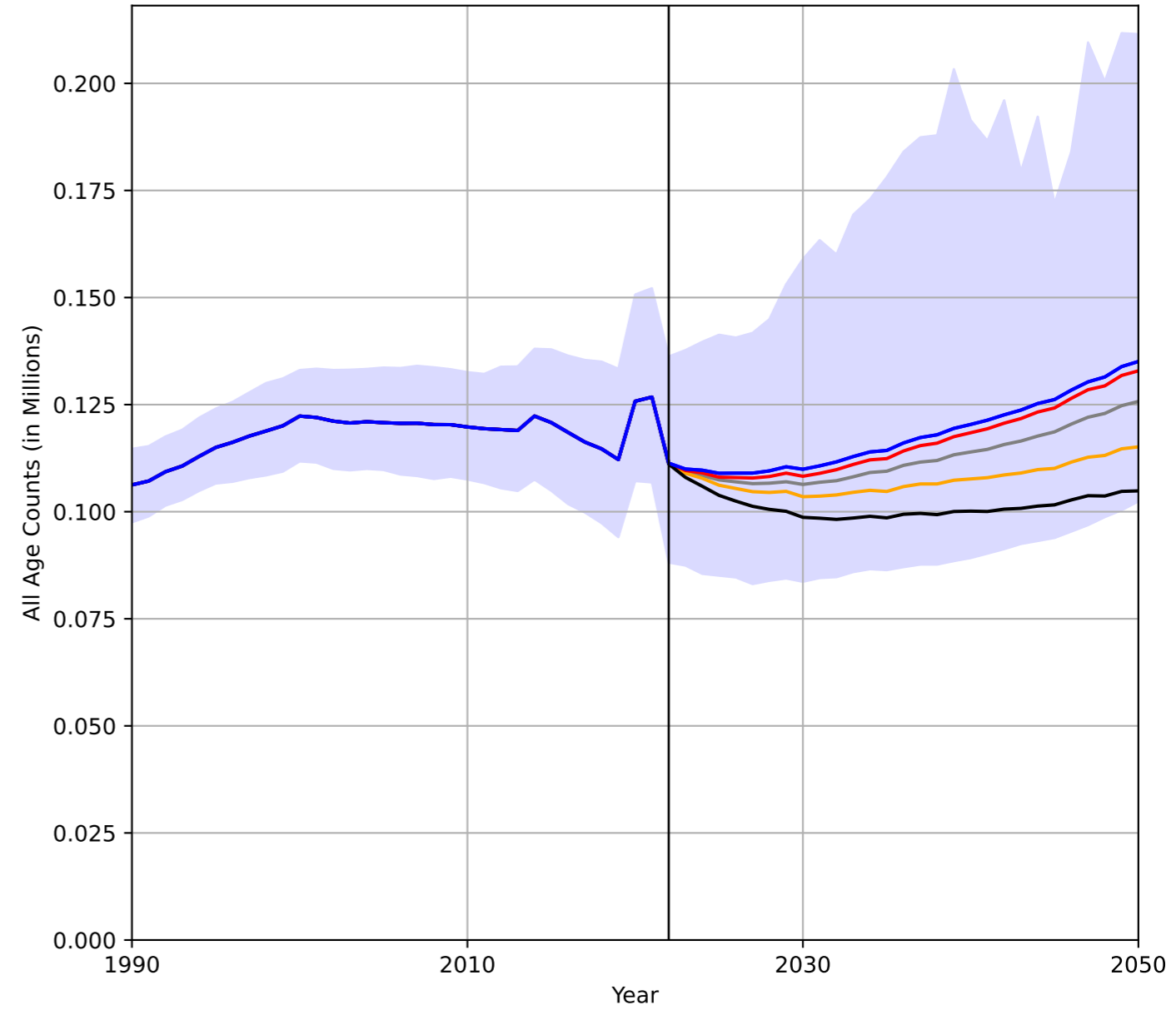
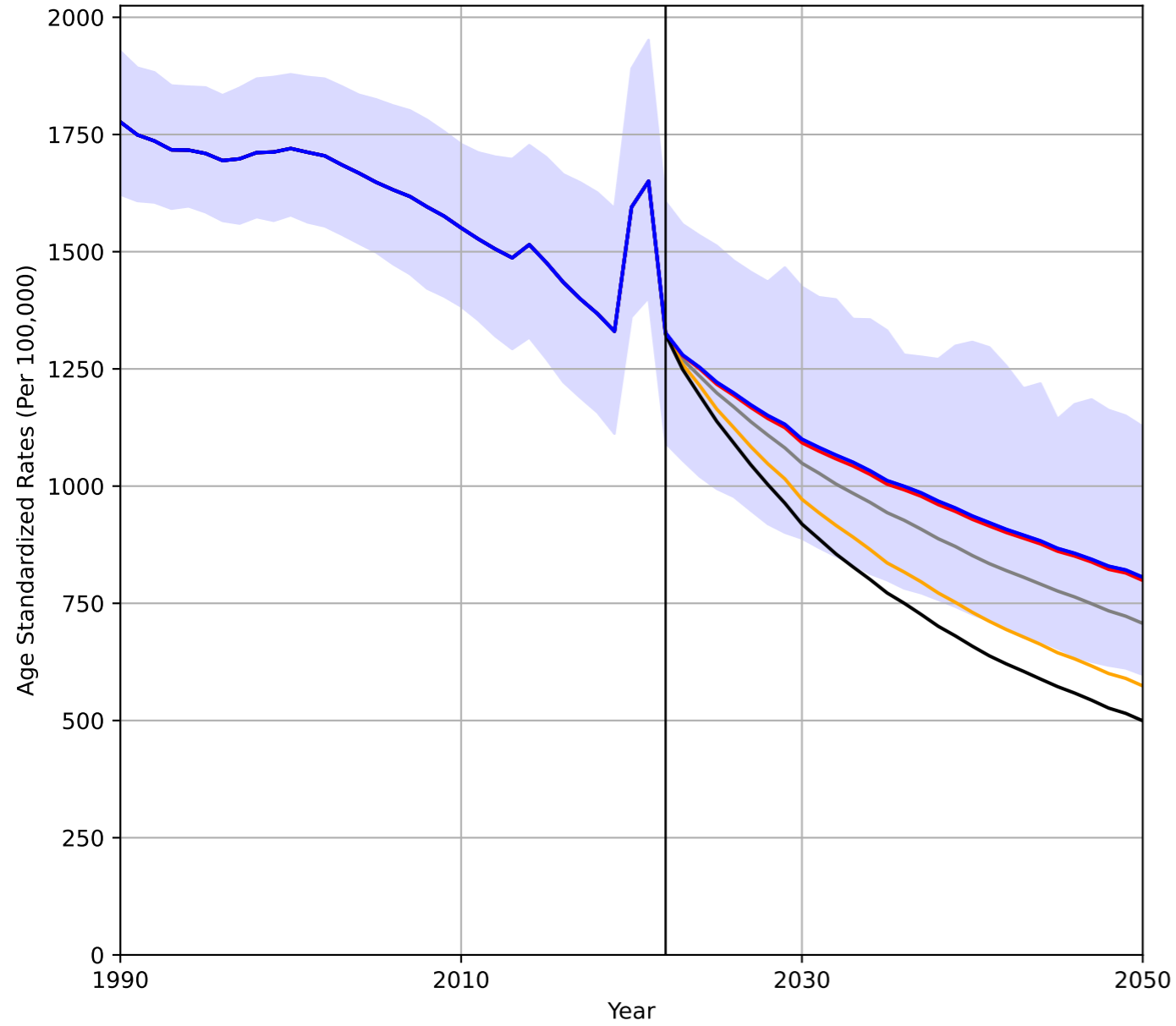
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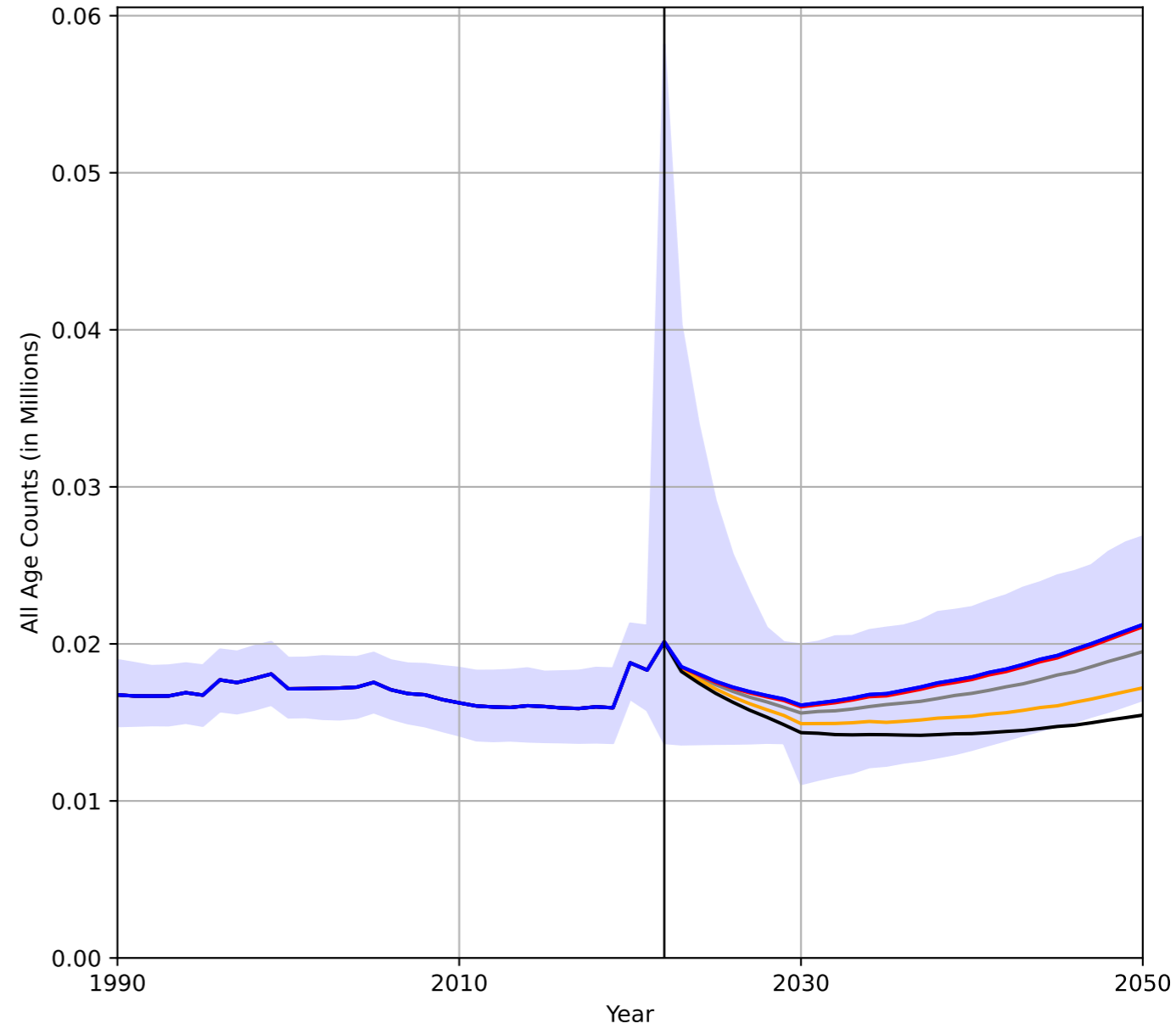
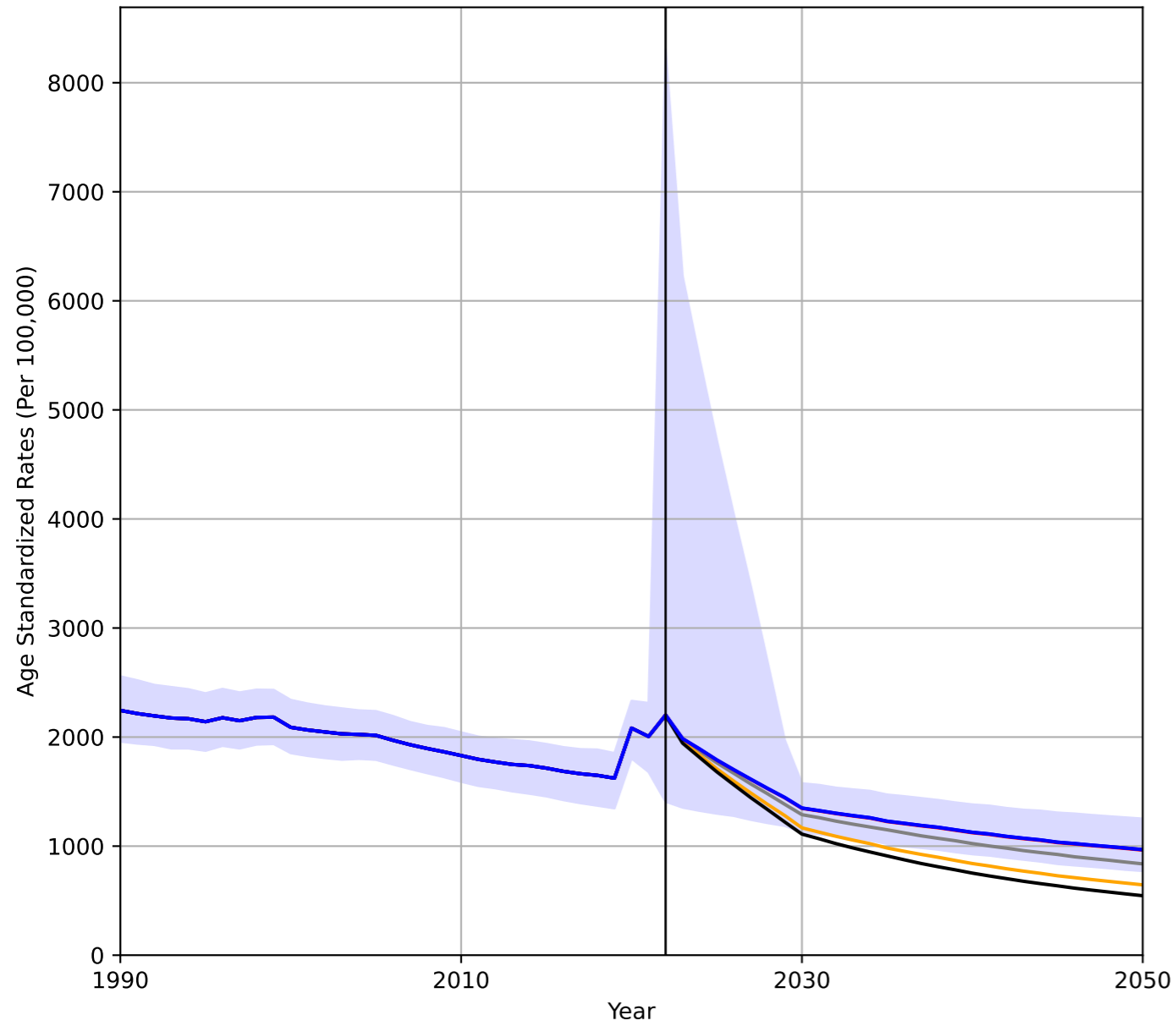
# Guinea

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

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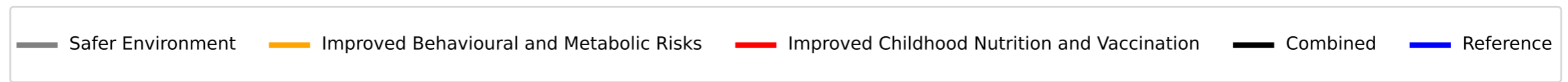
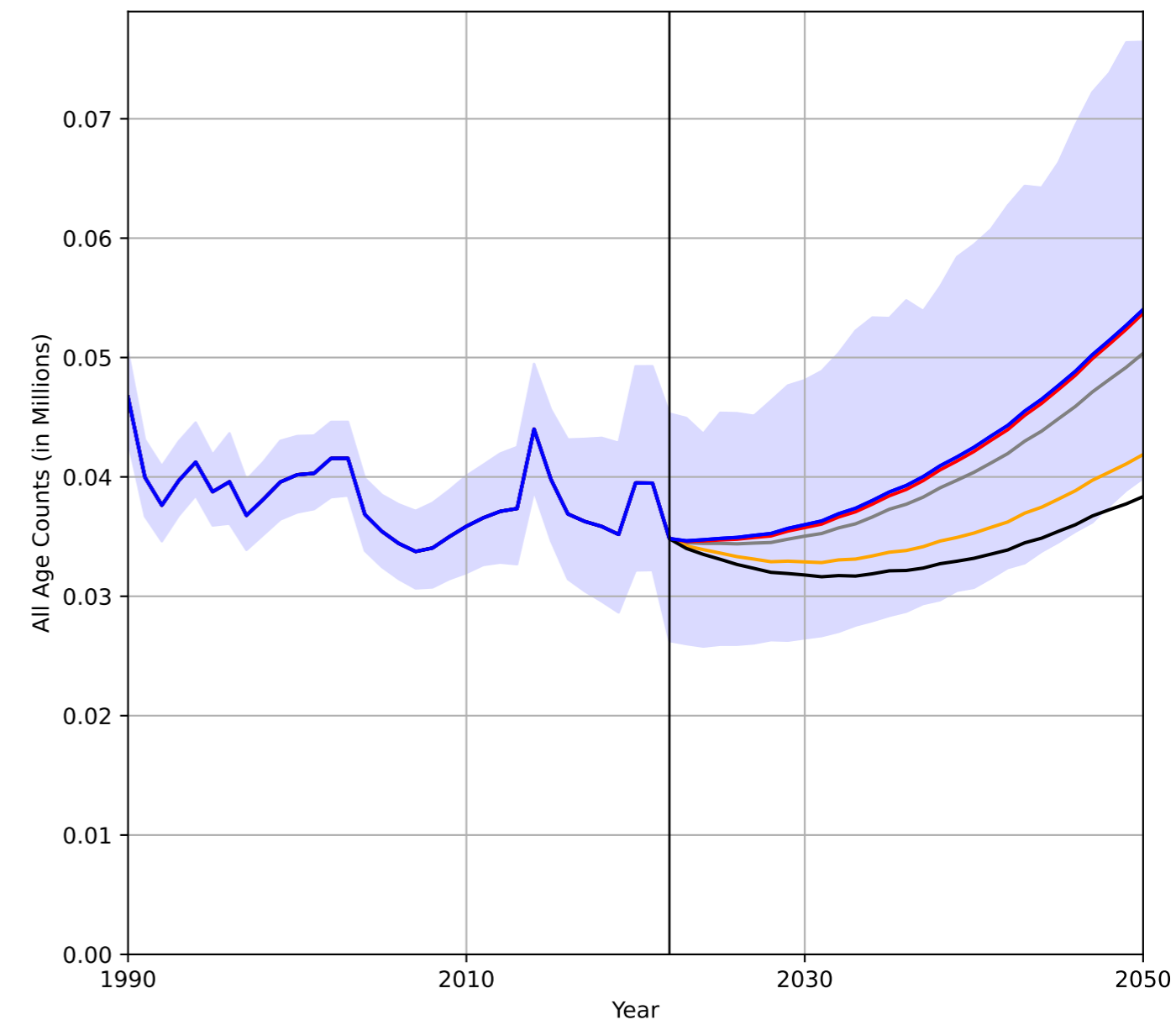
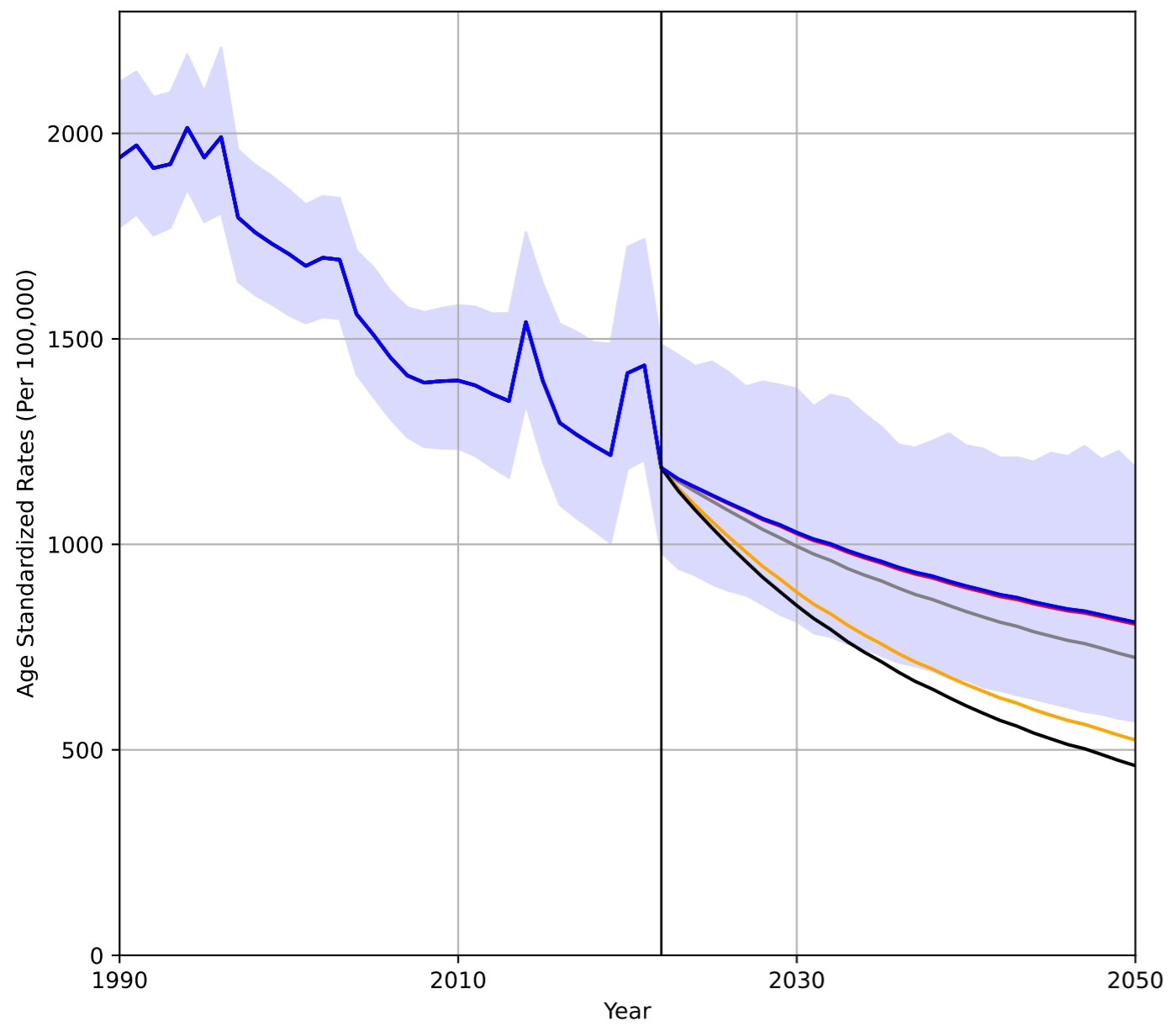
# Guinea-Bissau



# Liberia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1839

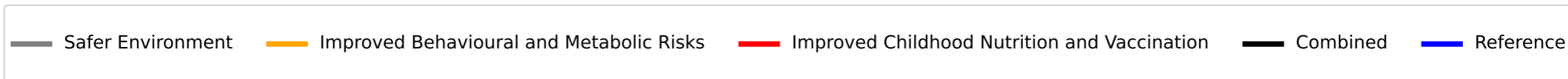
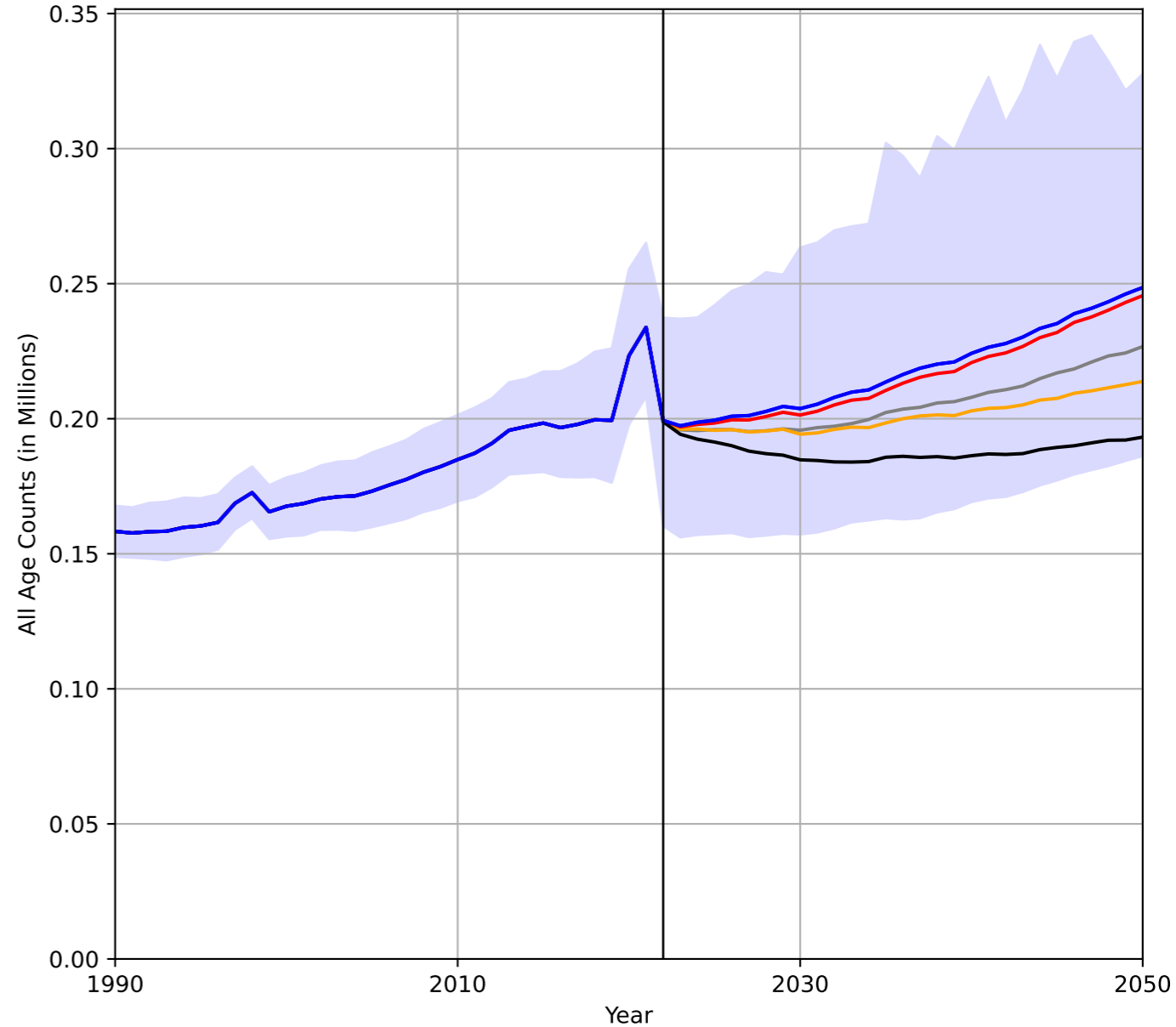
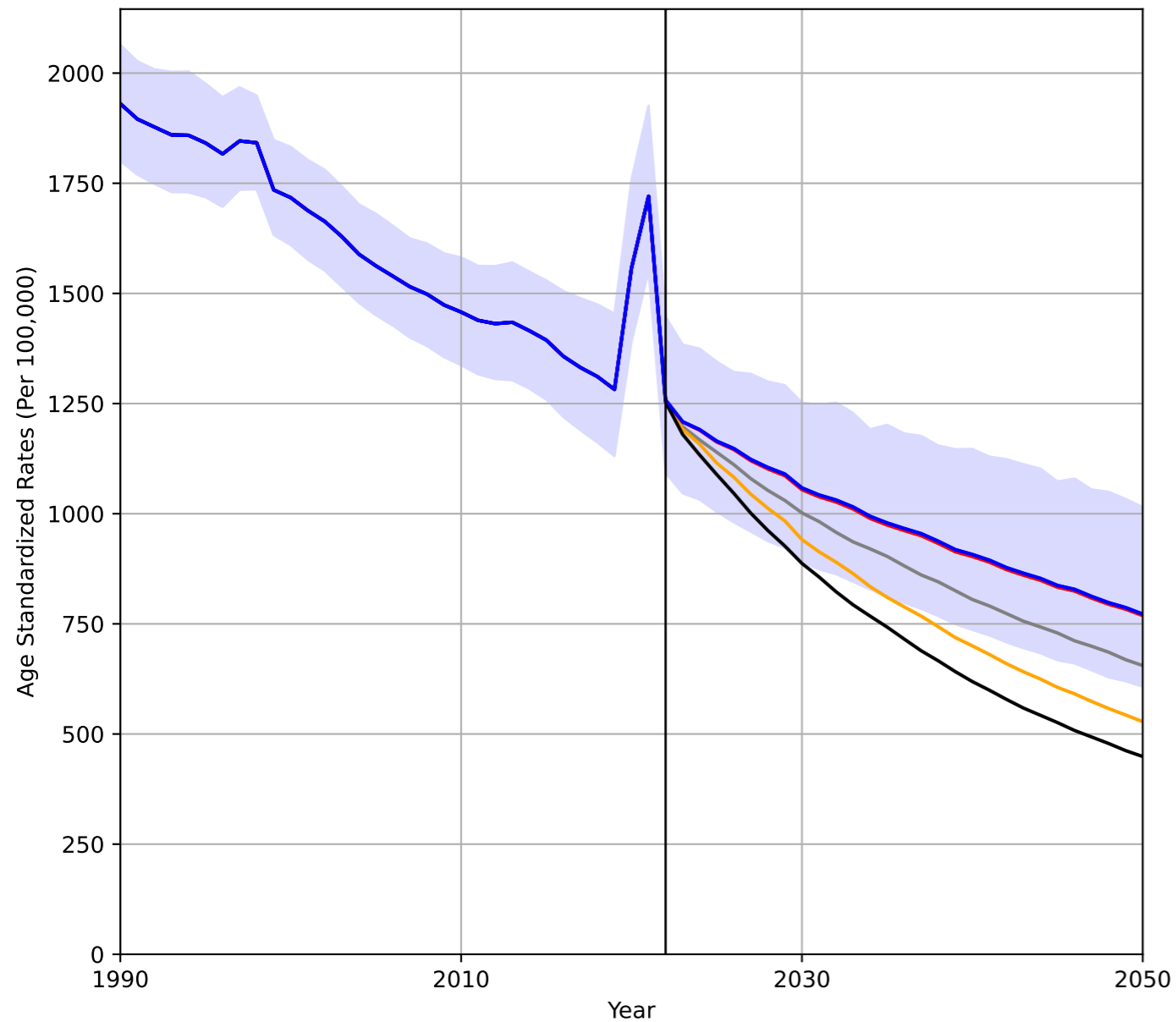




# Mali

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

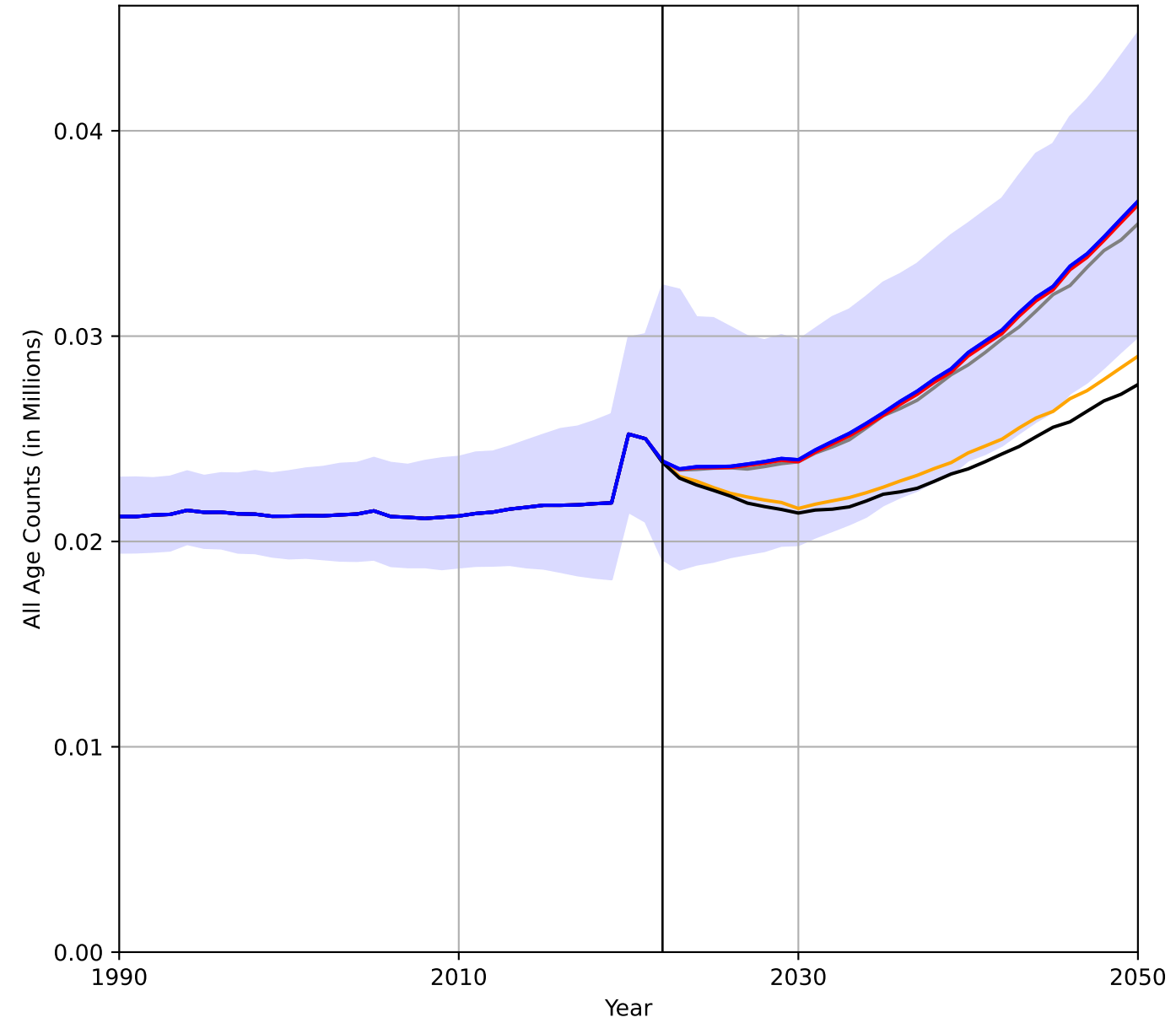
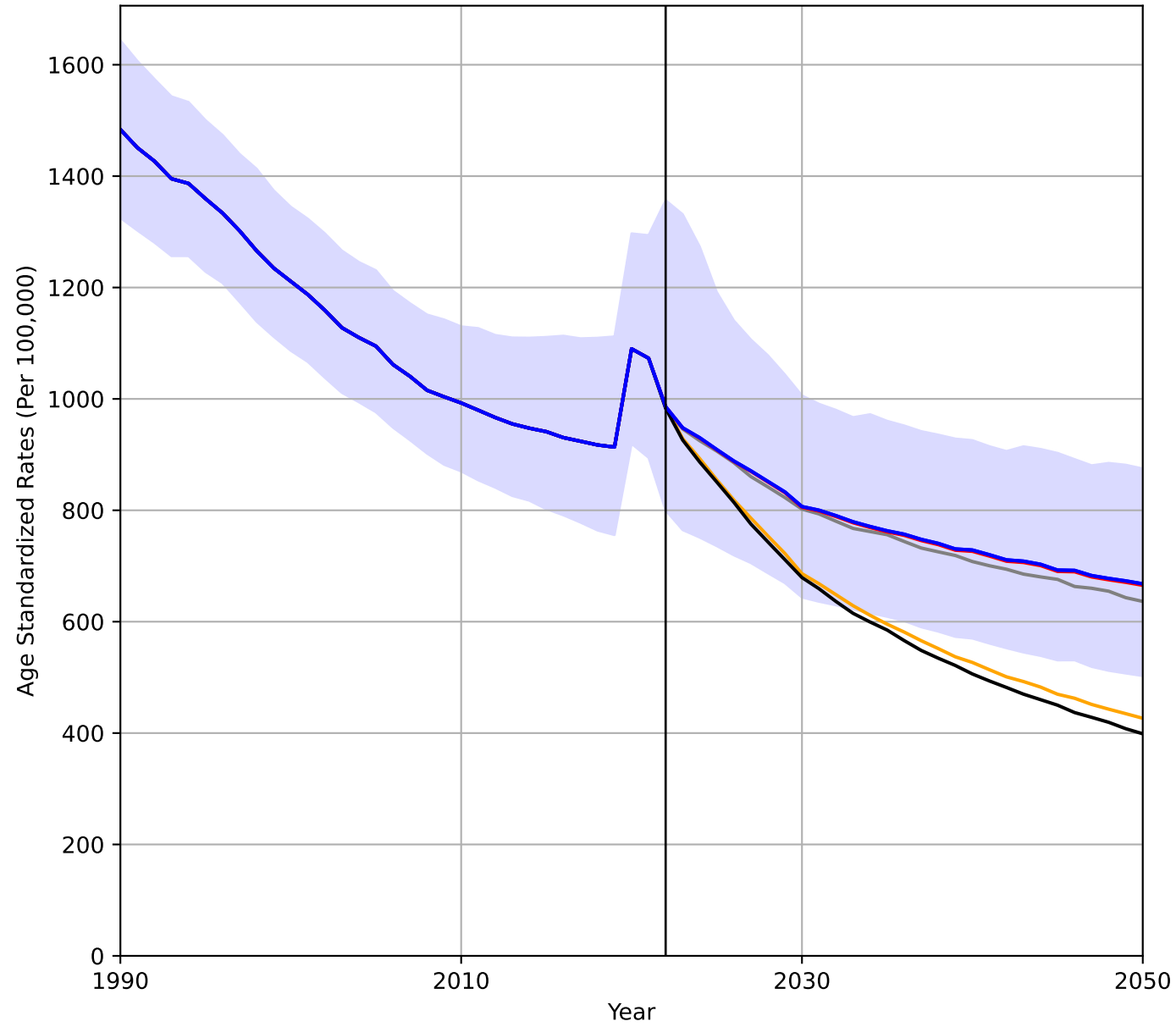
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# Mauritania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

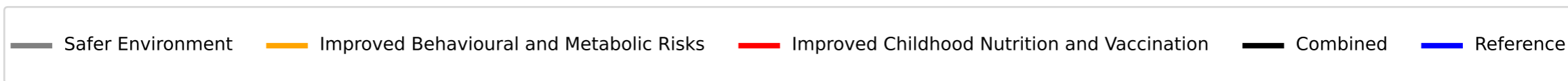
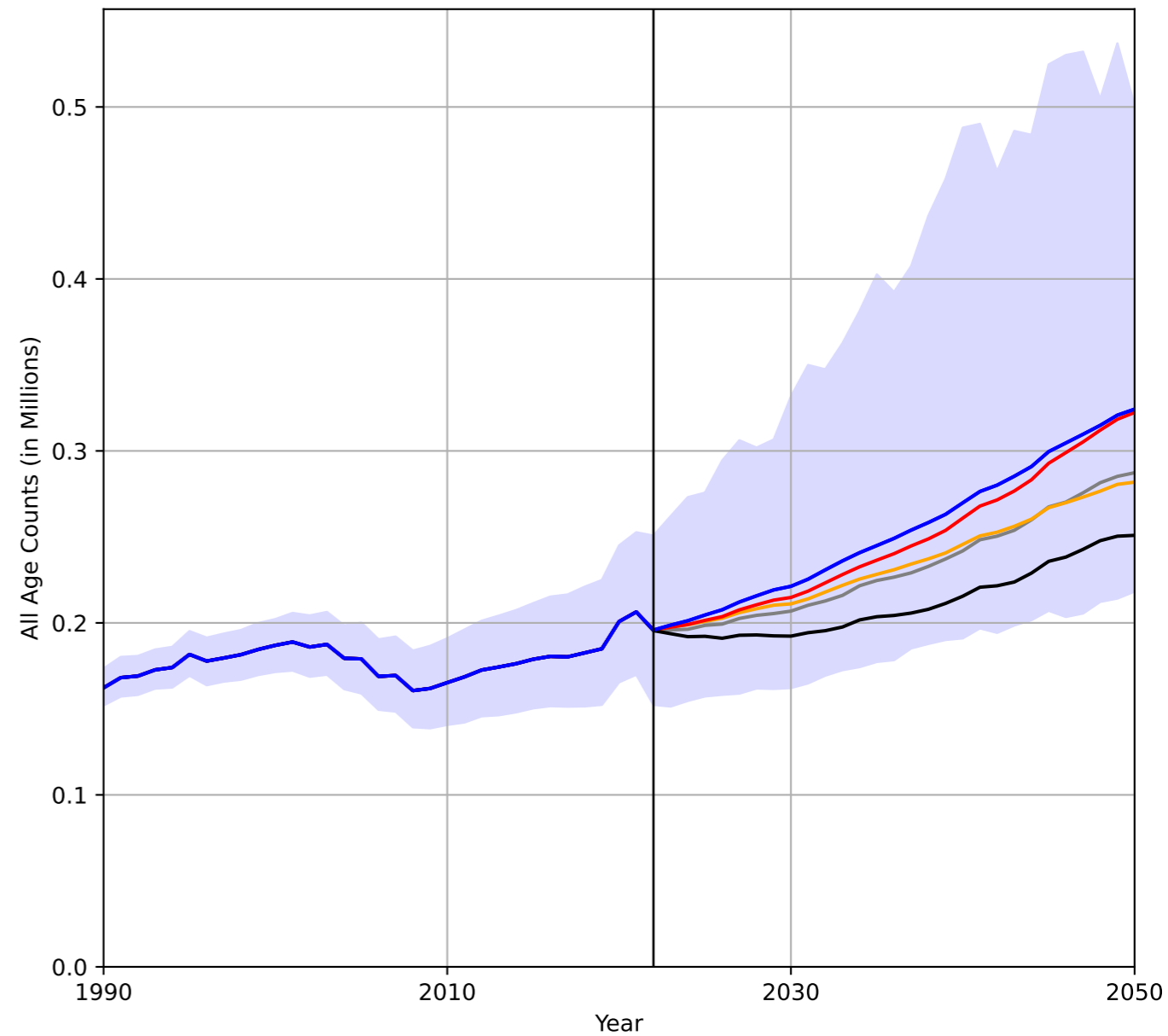
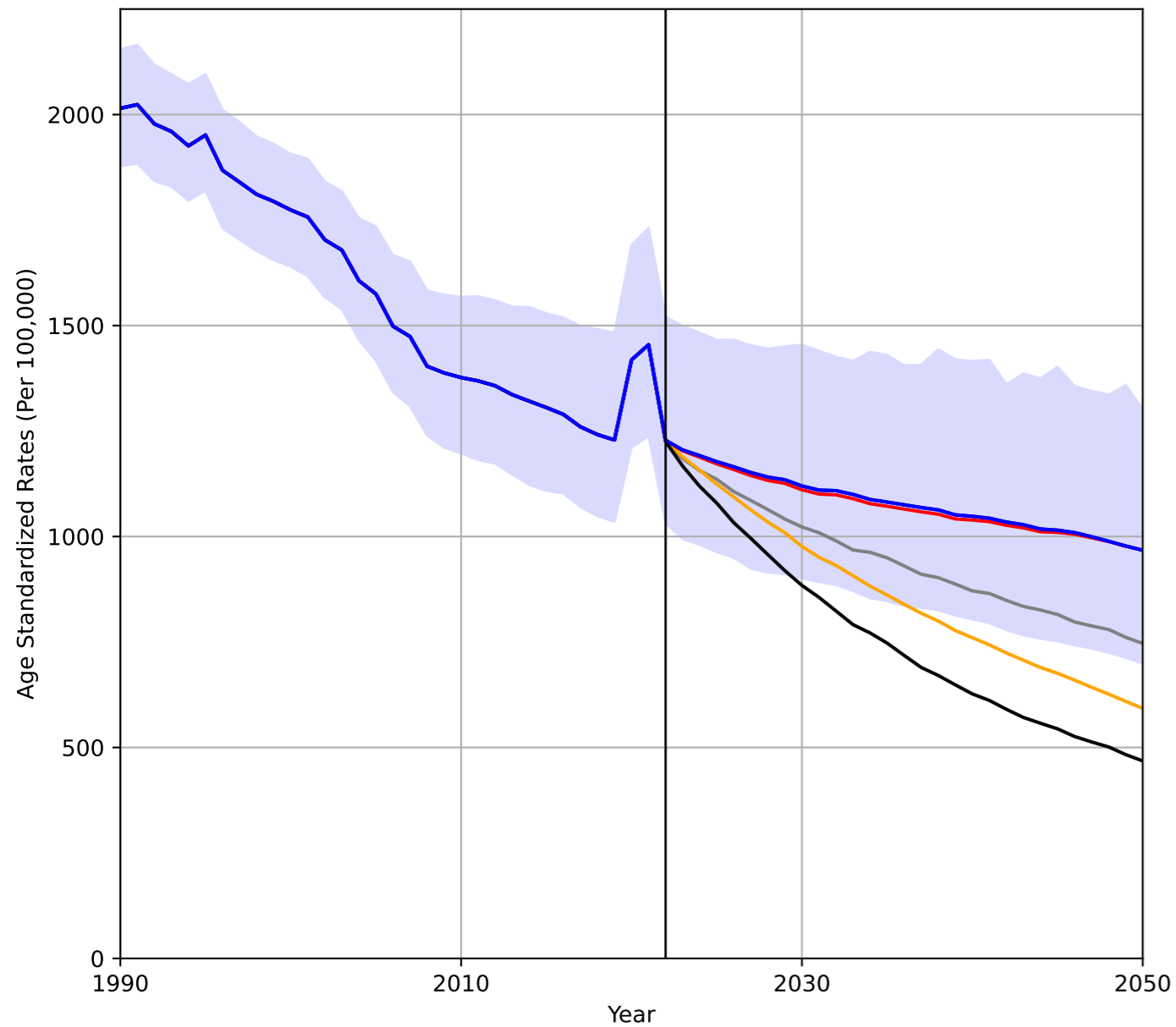
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# Niger

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

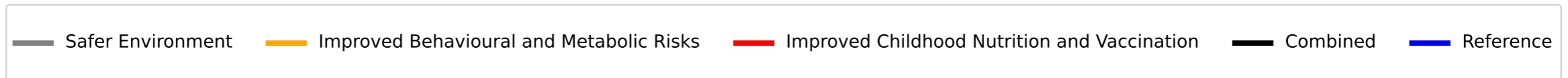
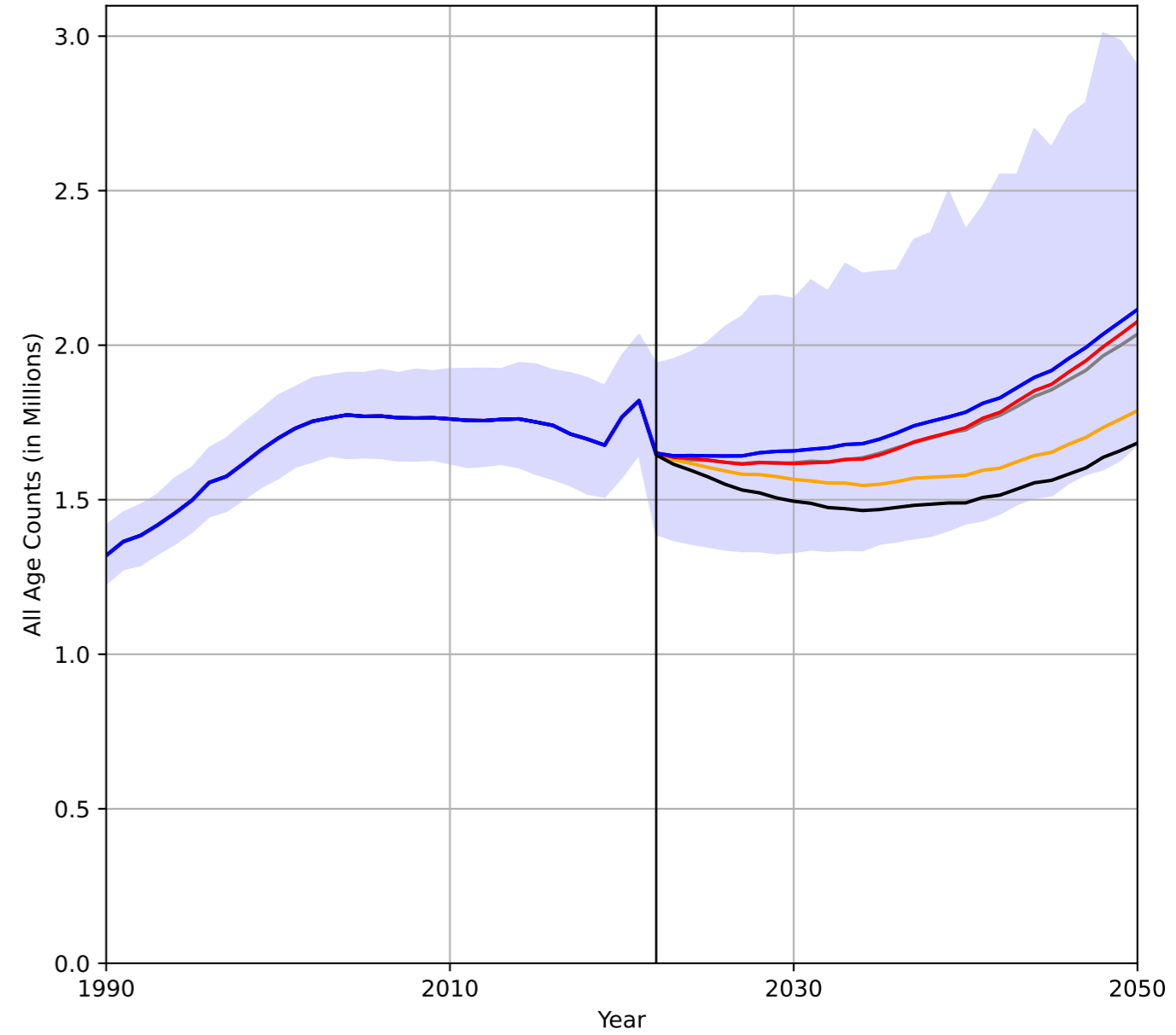
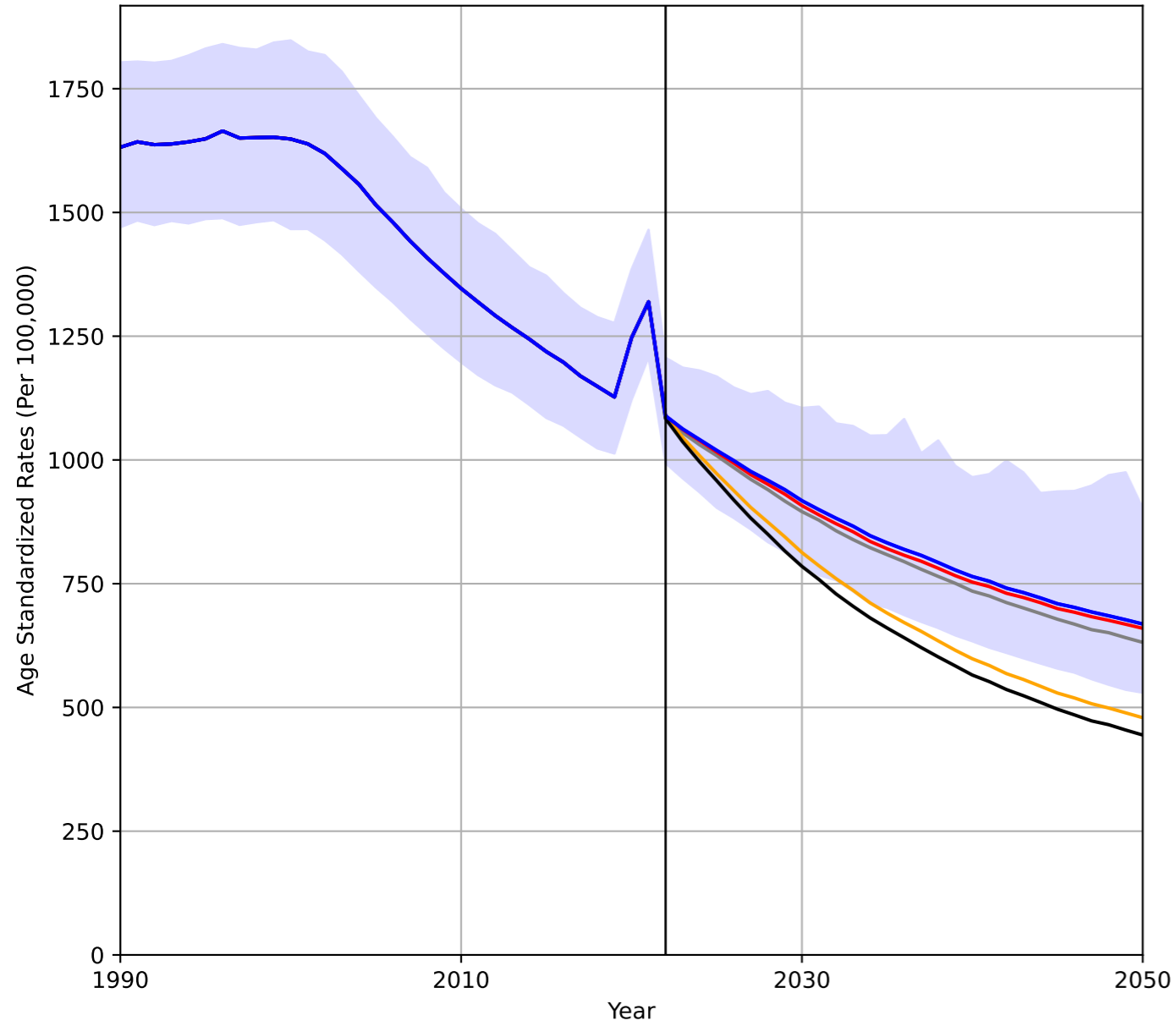
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# Nigeria

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

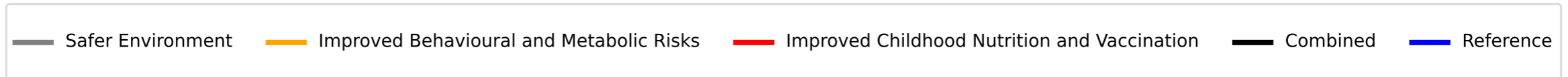
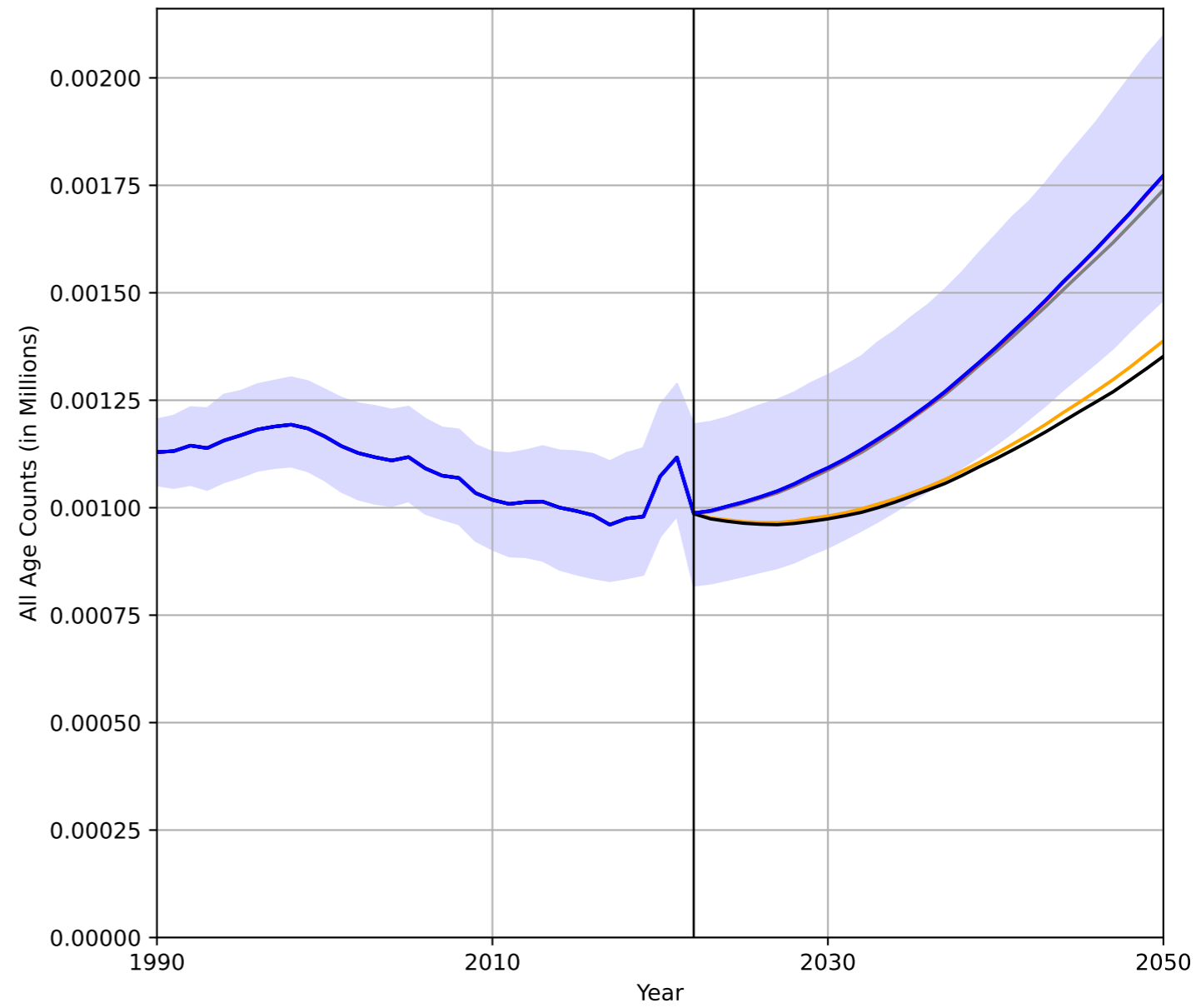
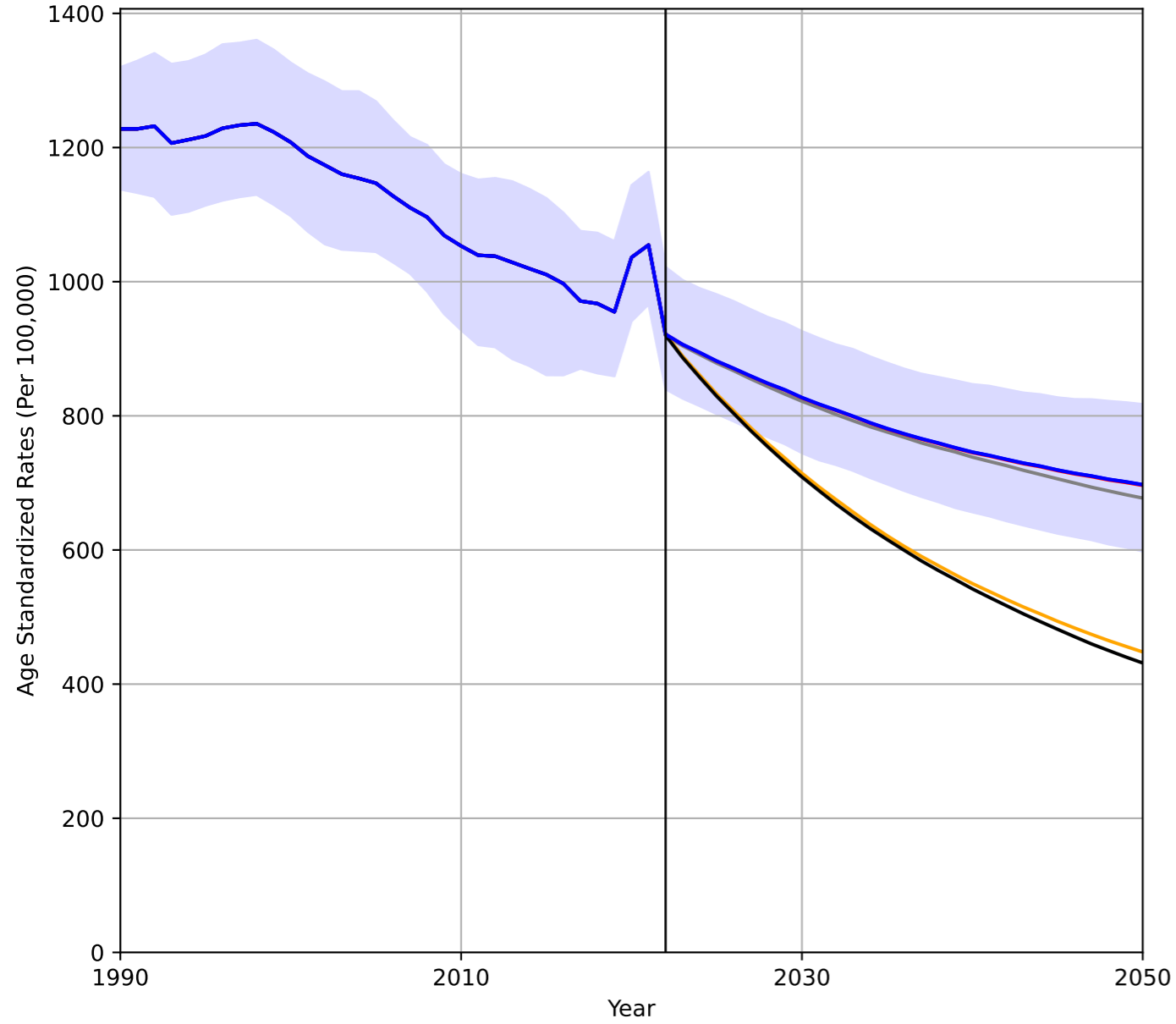
1843



# São Tomé And Príncipe

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

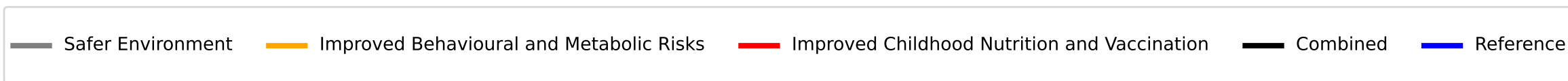
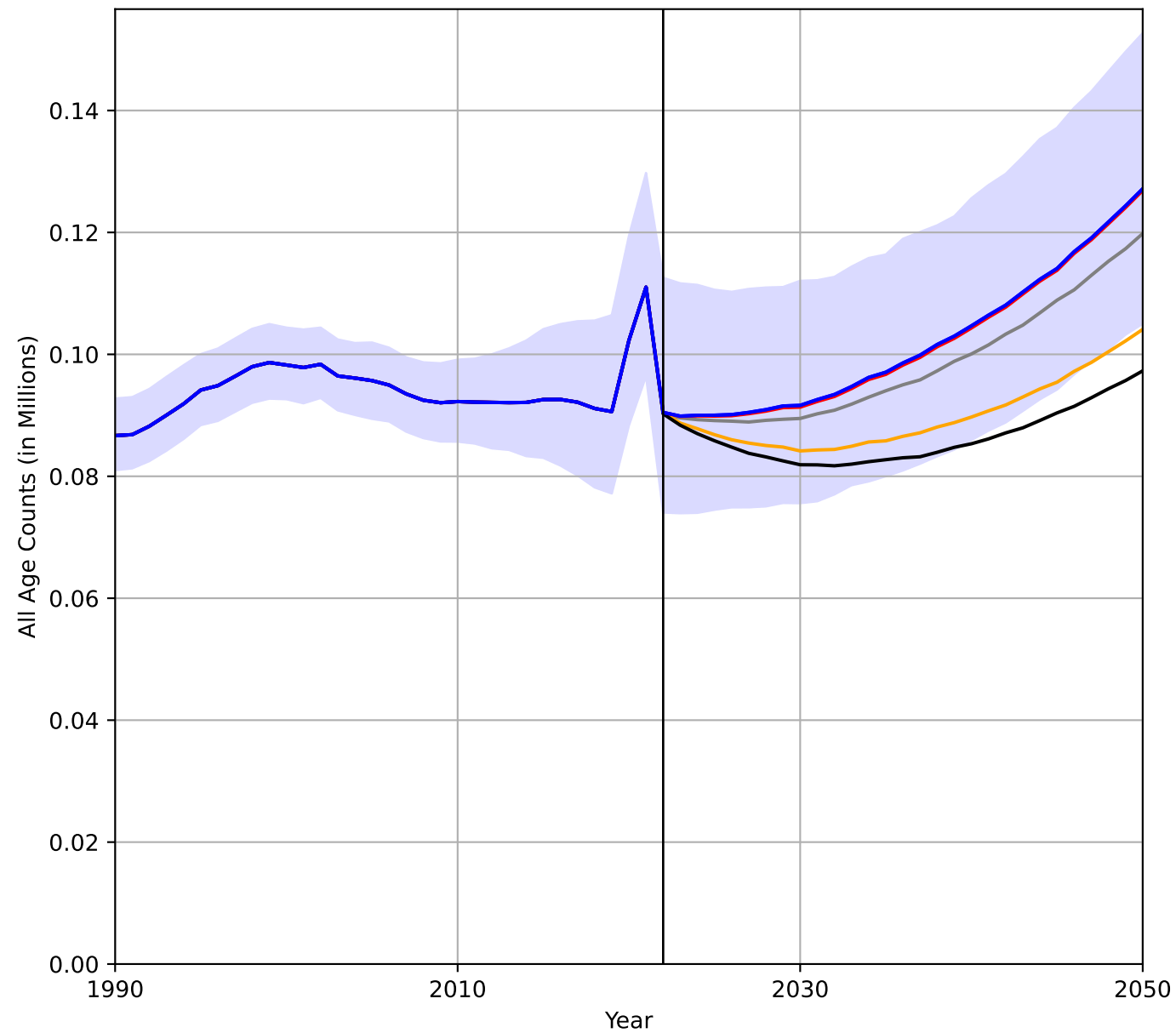
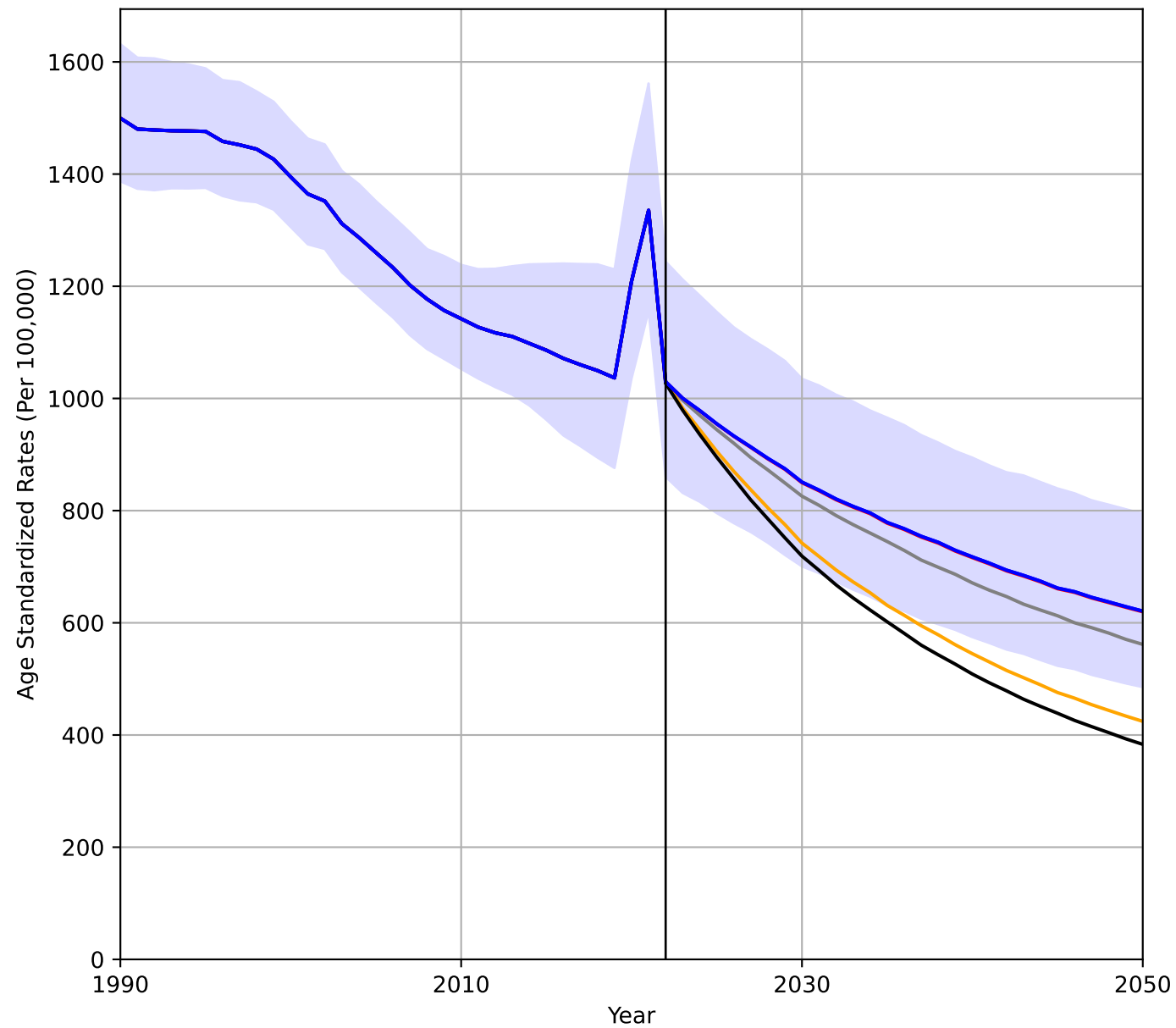
1844



# Senegal

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

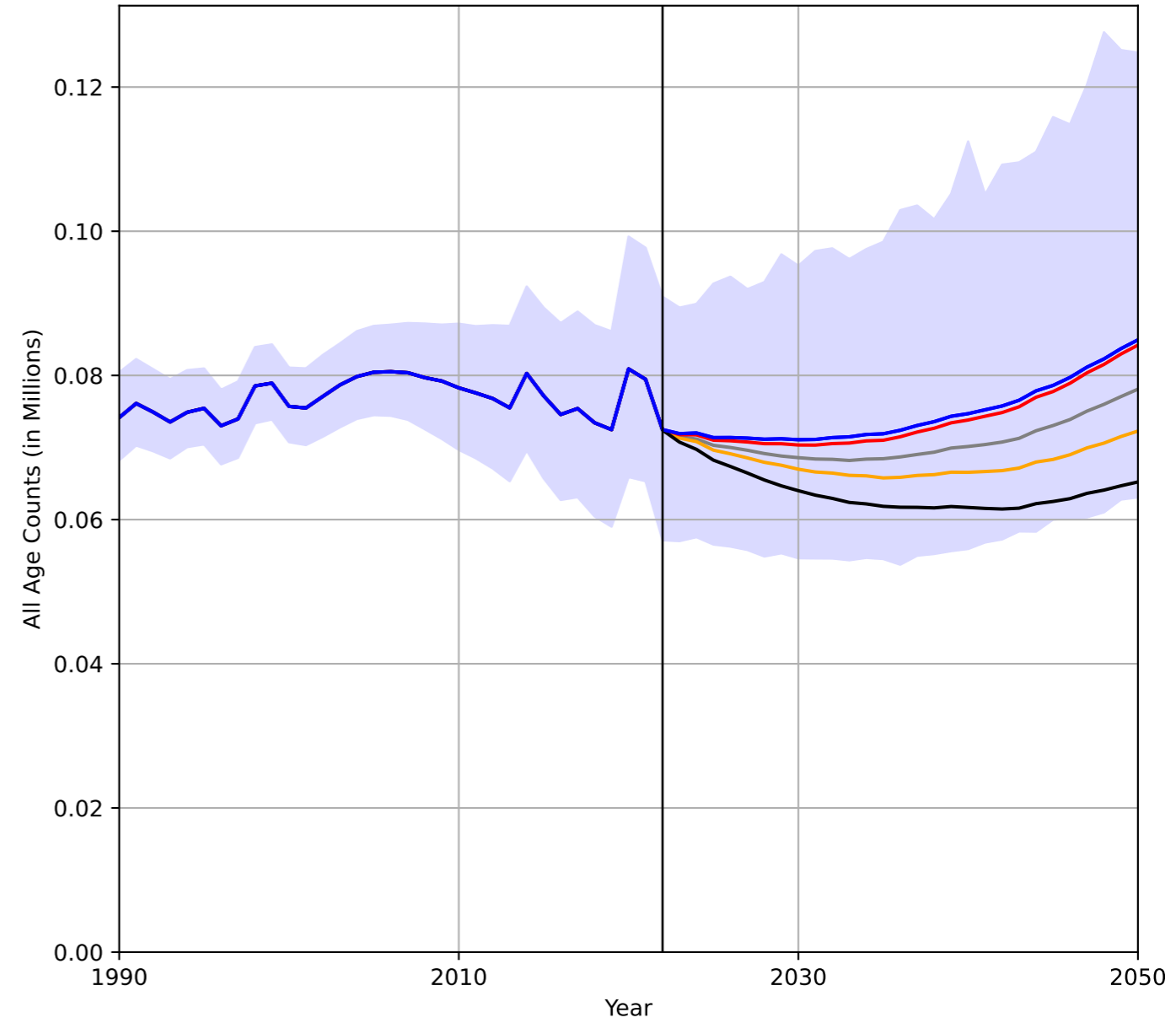
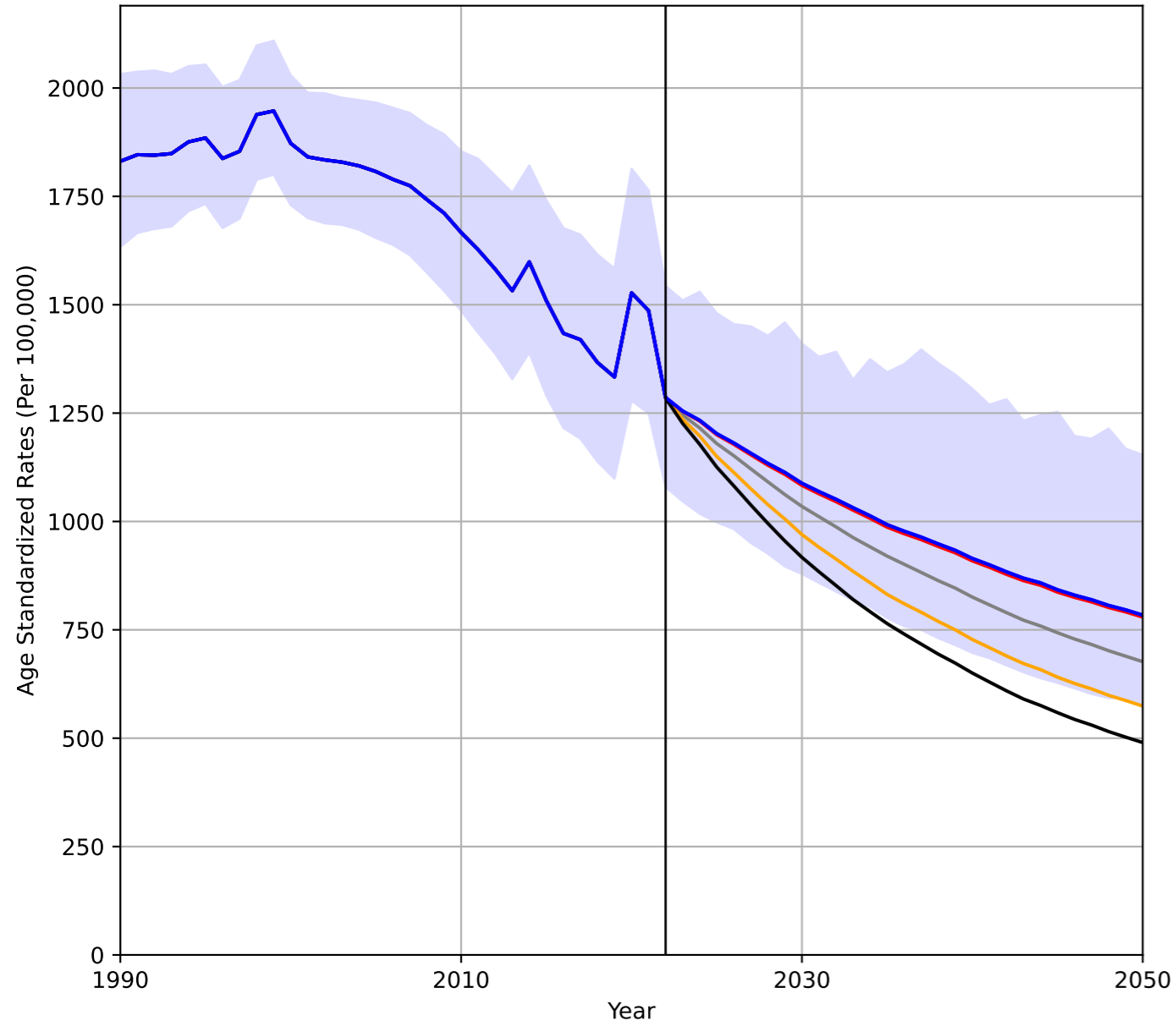
1845



# Sierra Leone

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

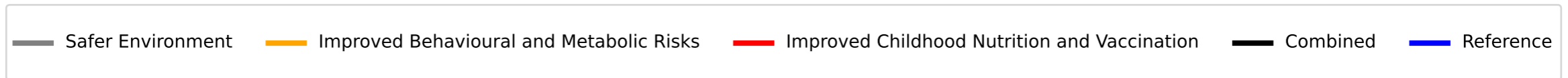
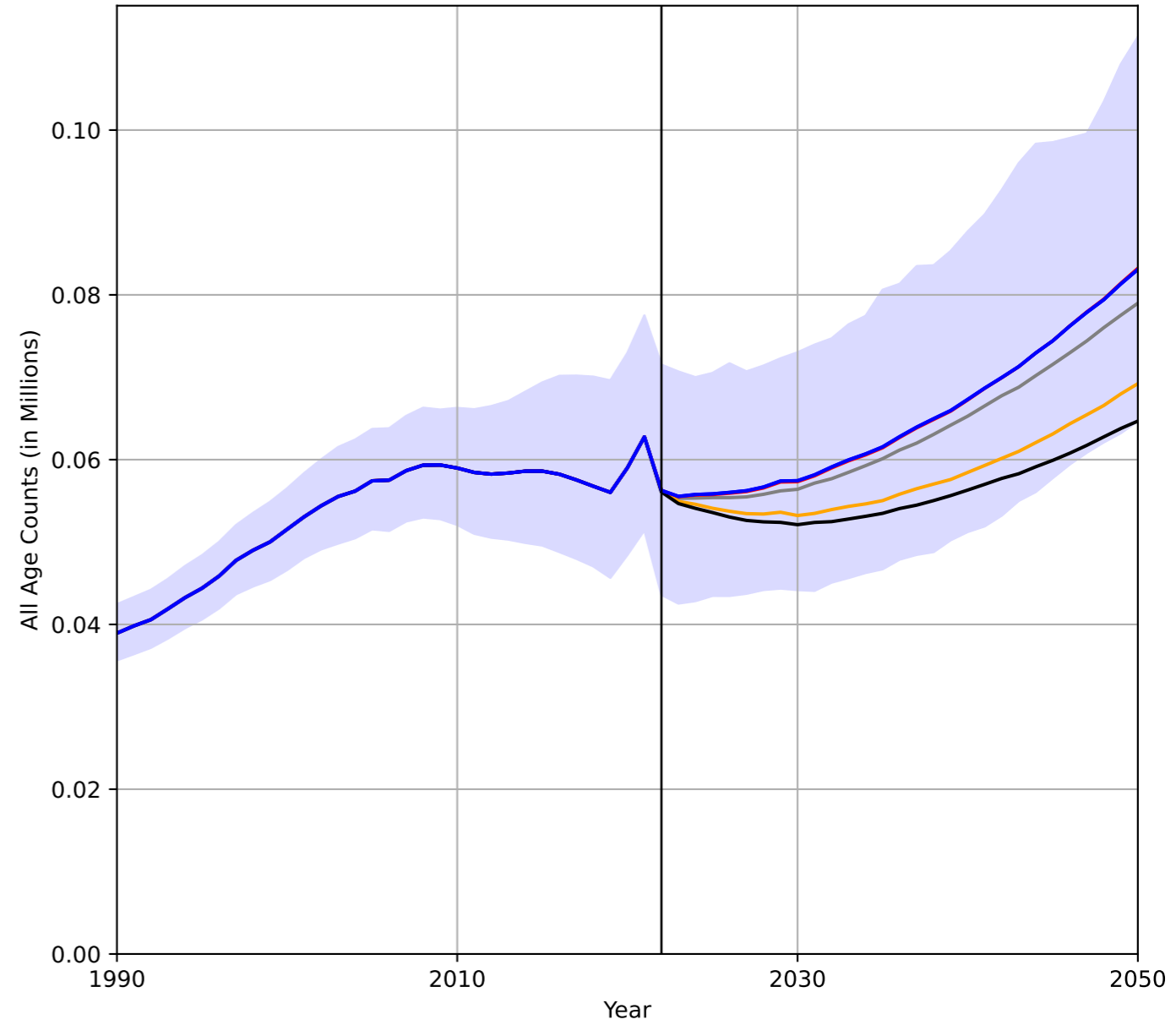
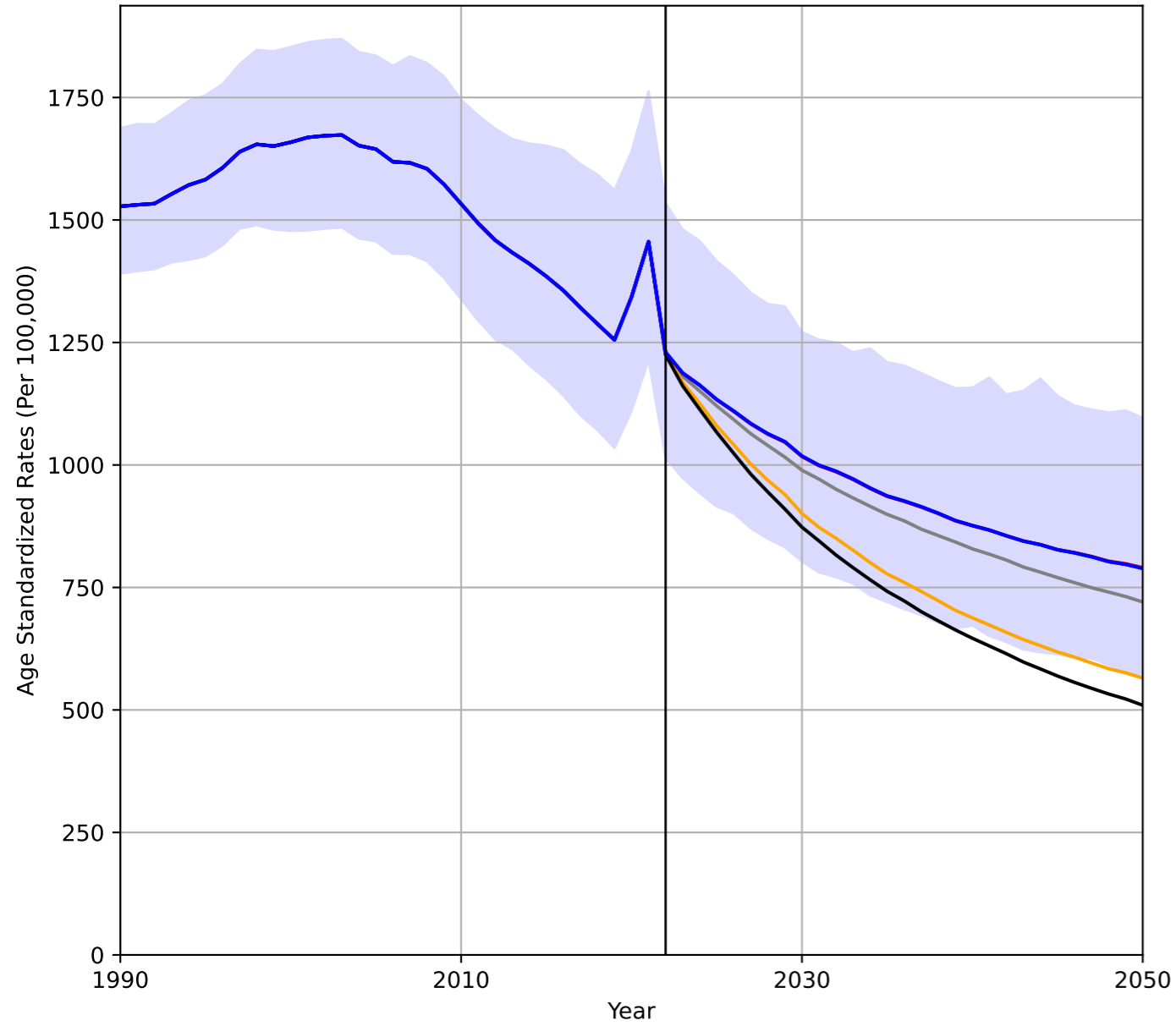
1846



# Togo

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1847

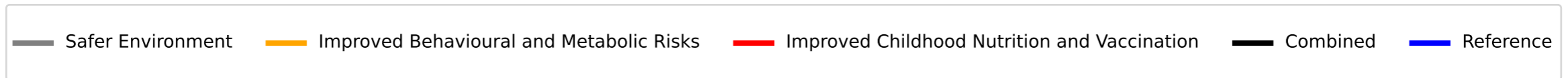
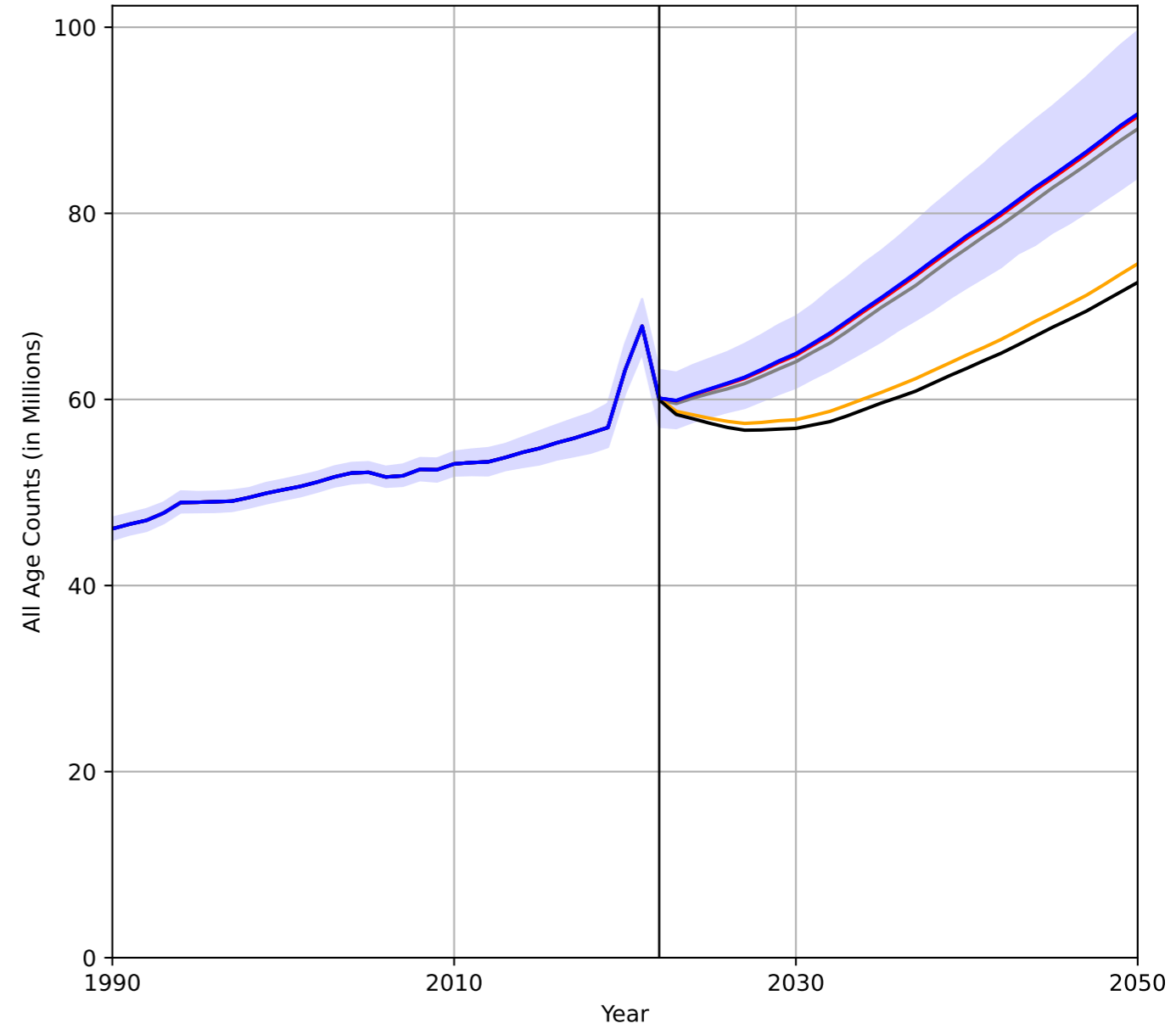
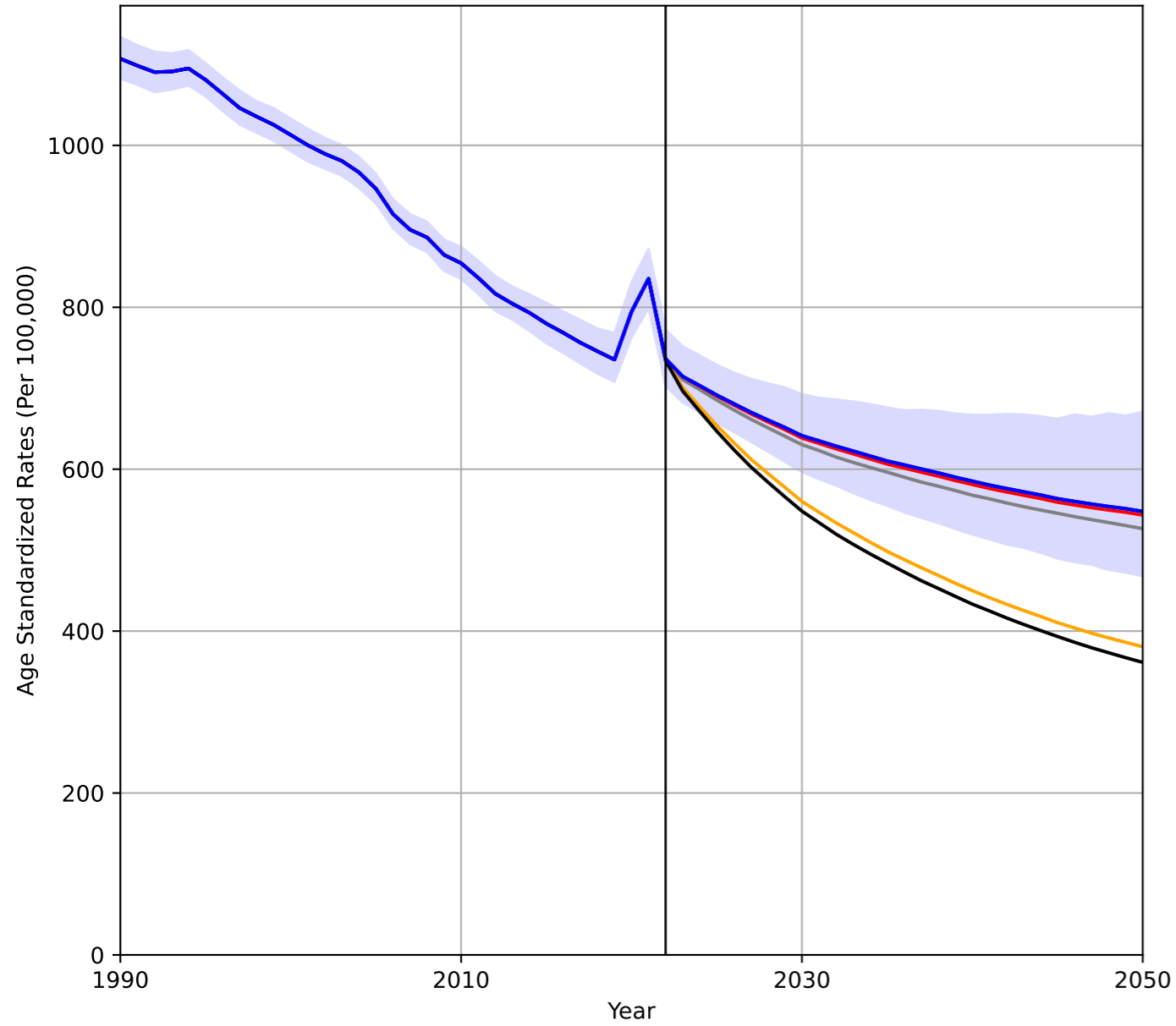




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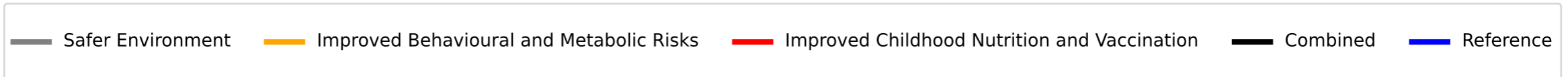
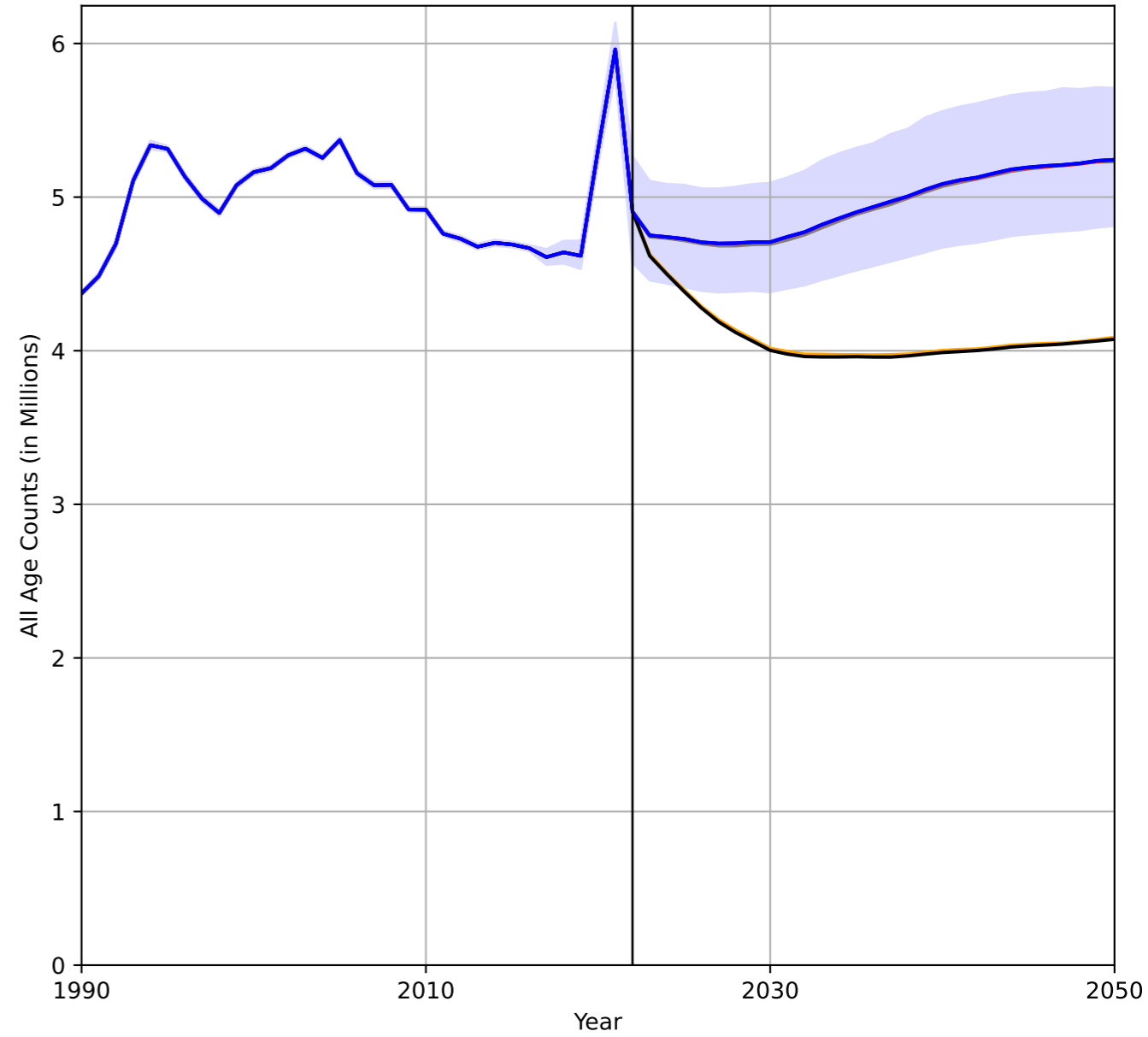
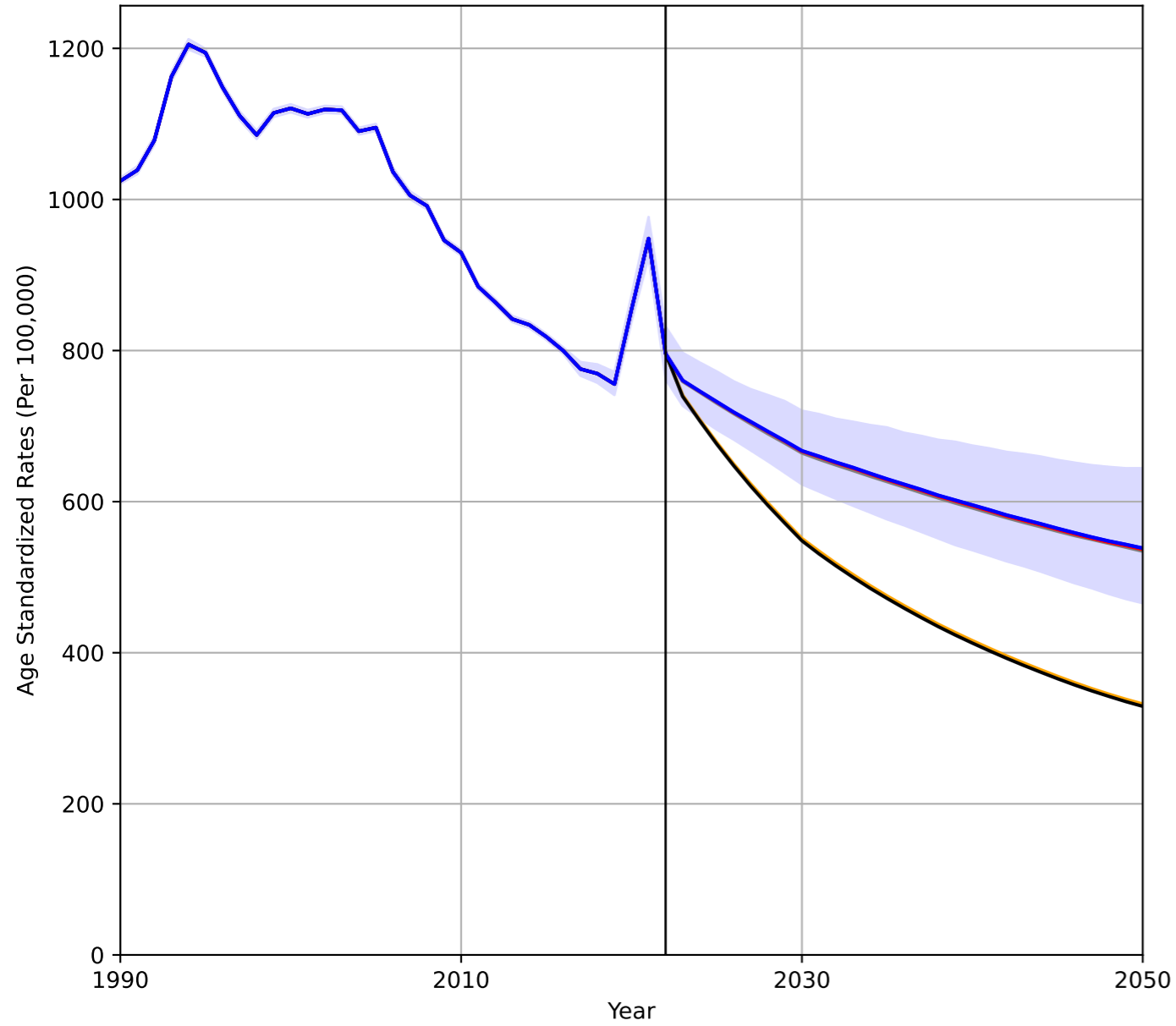
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1848



# Central Europe, Eastern Europe, And Central Asia

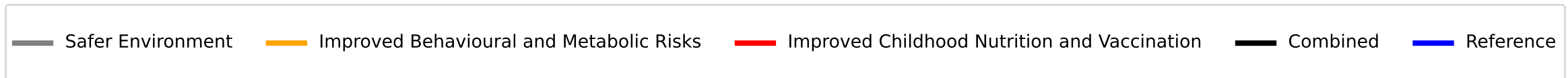
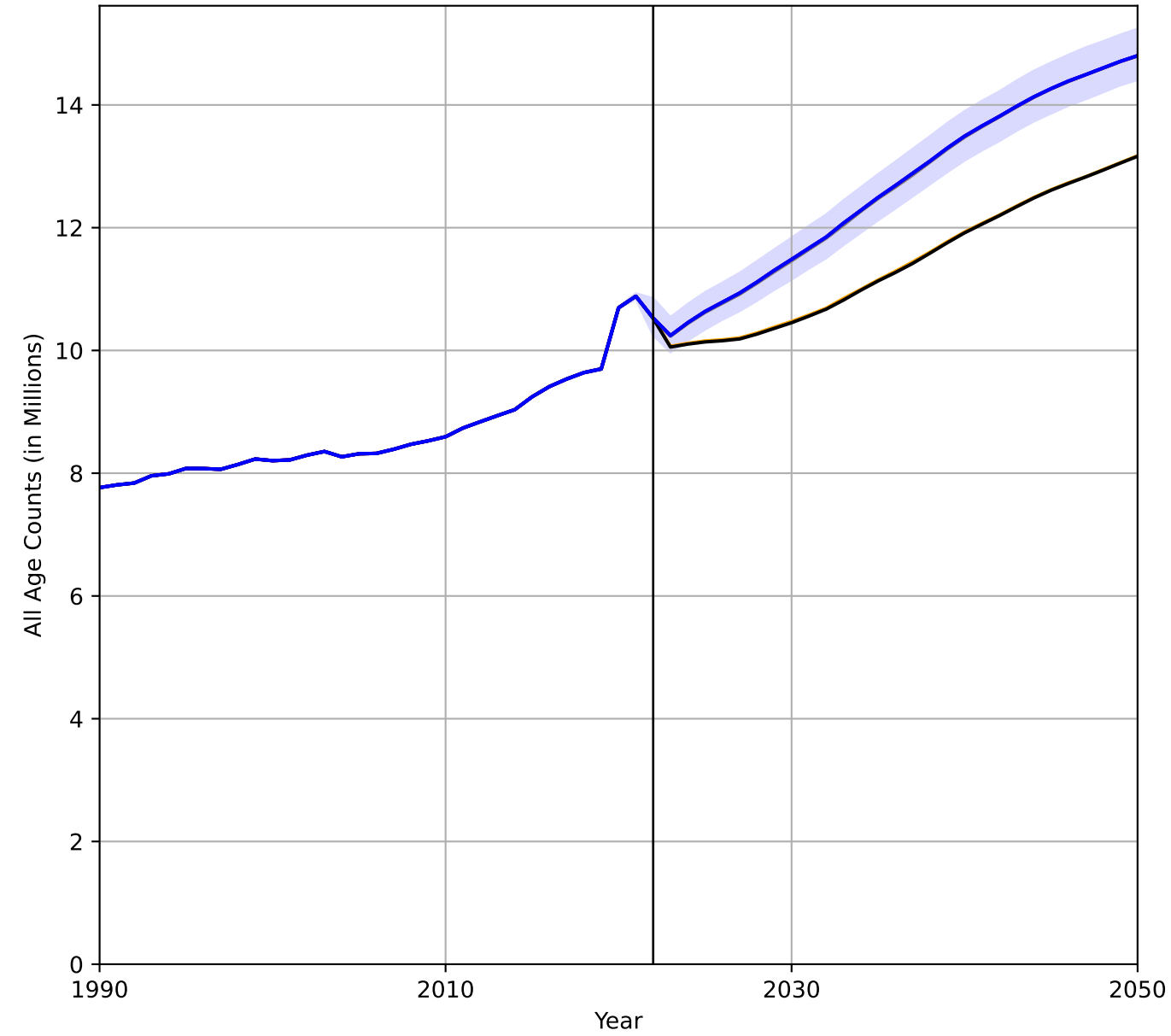
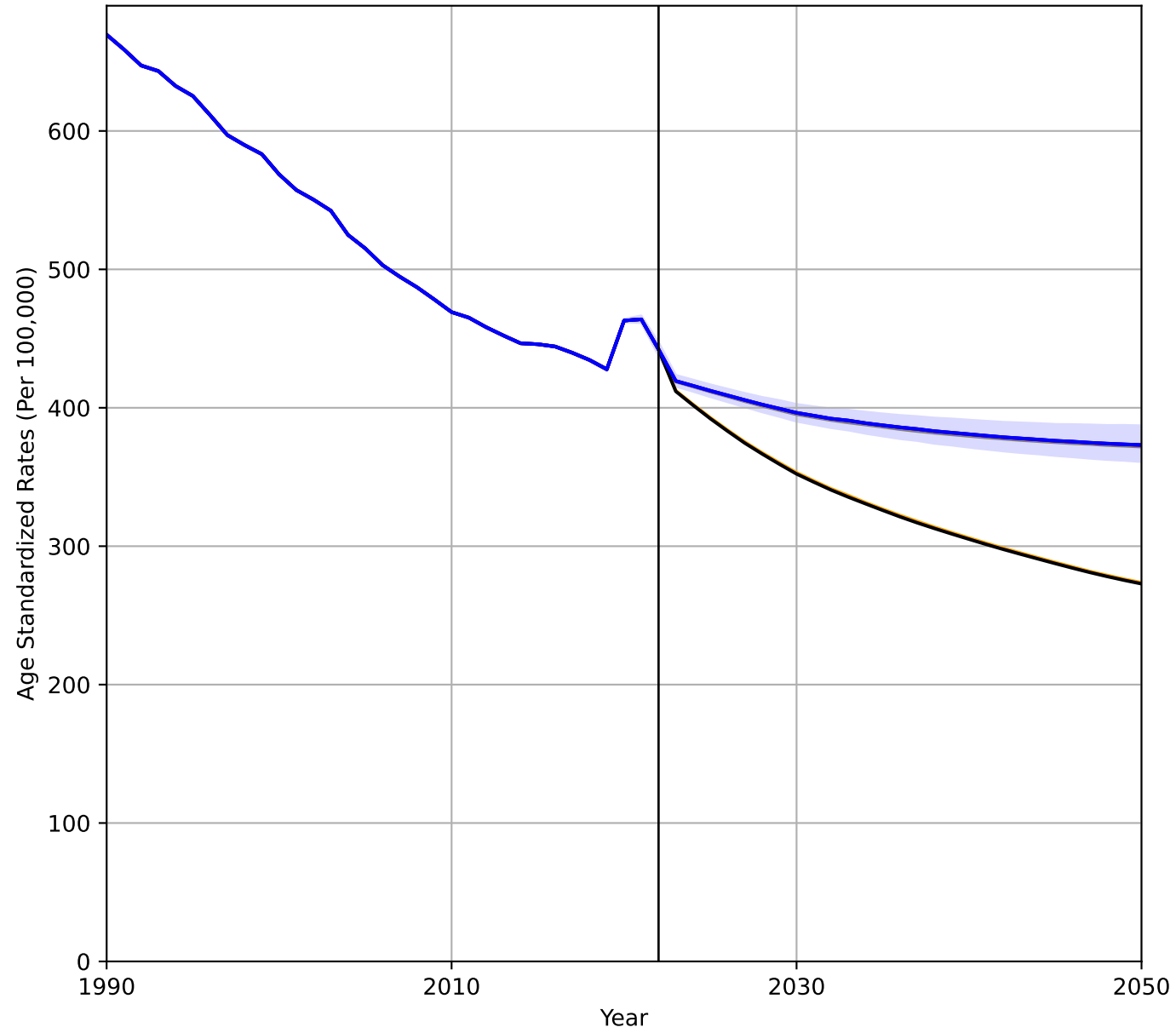
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990-2050



# High Income

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

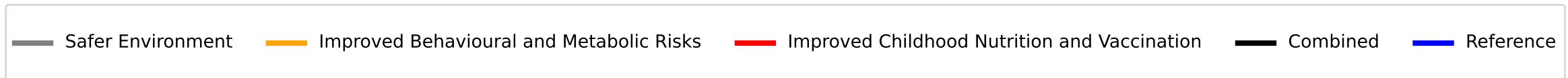
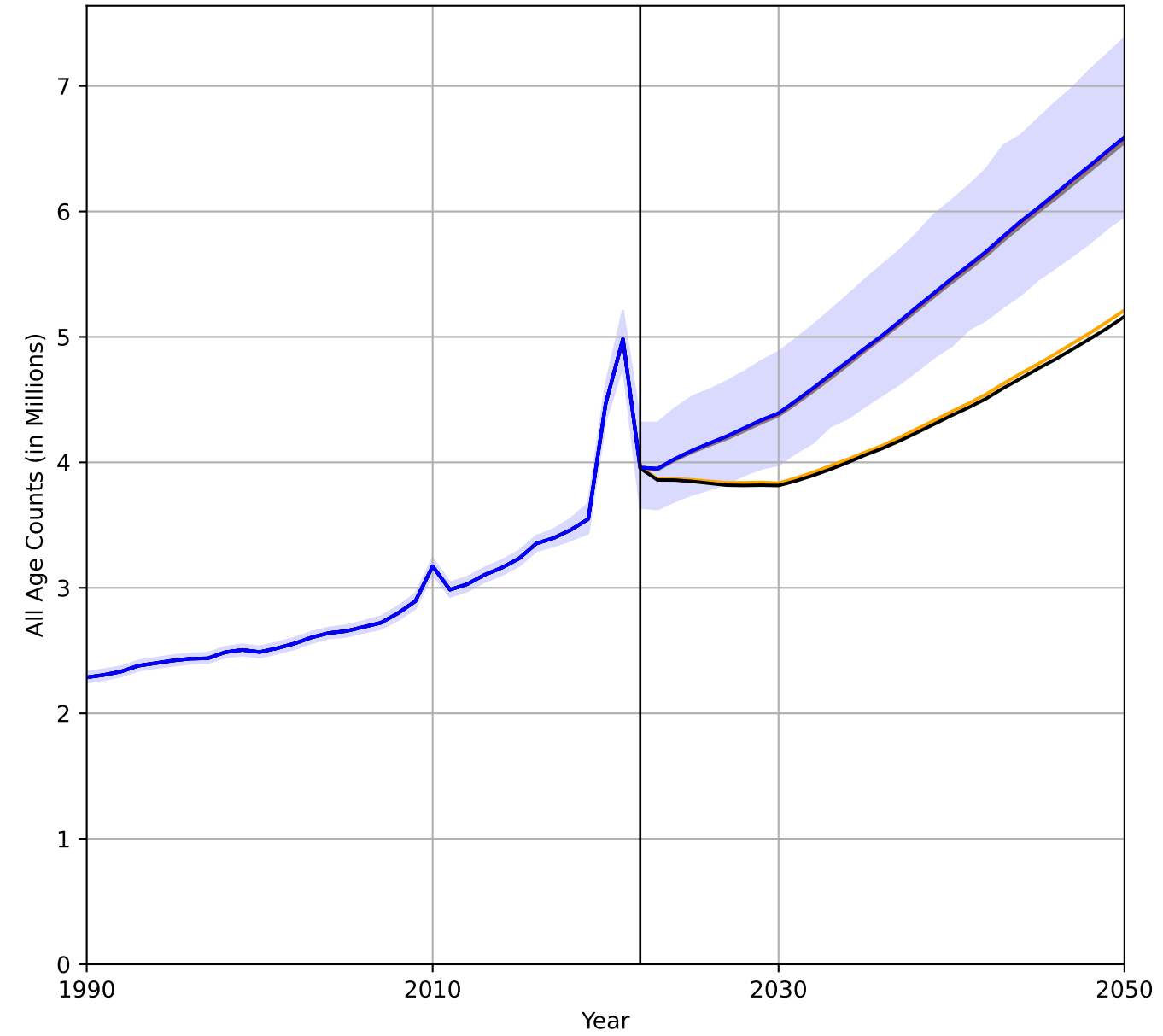
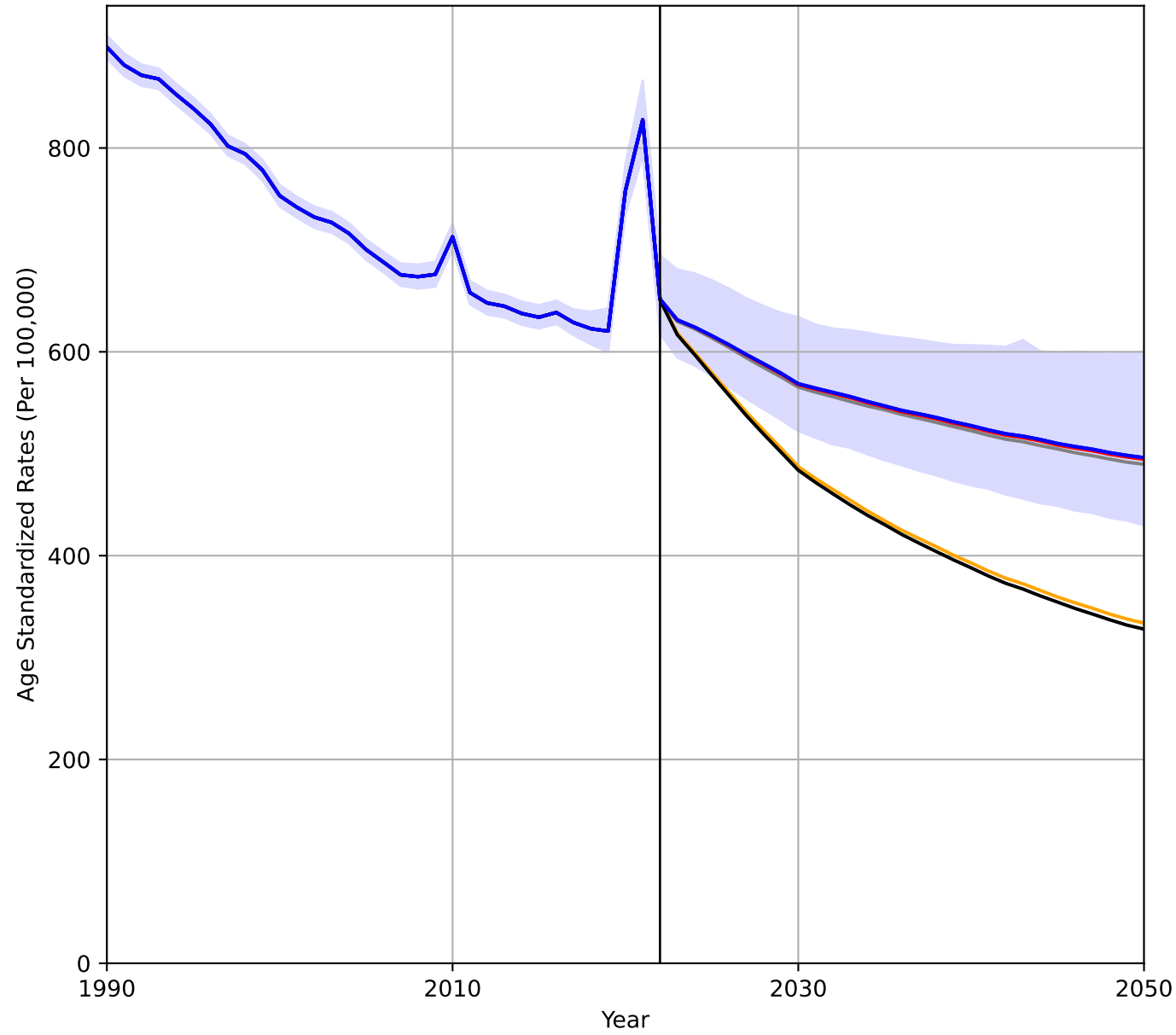
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# Latin America And Caribbean

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

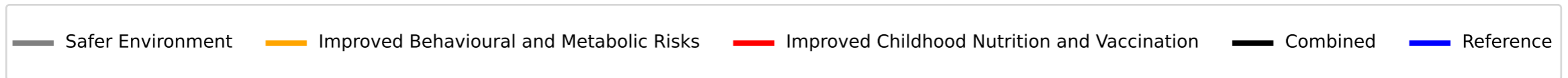
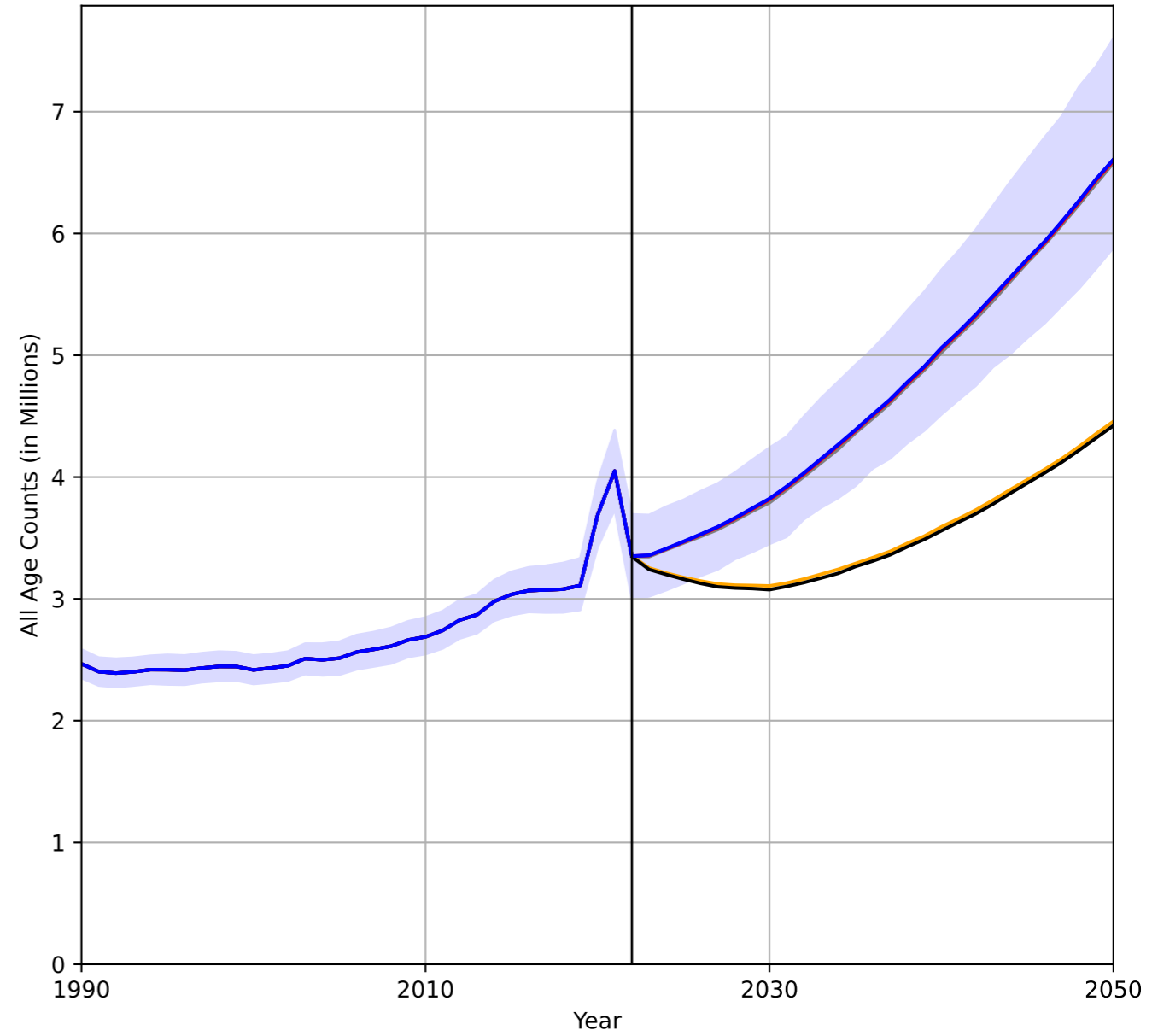
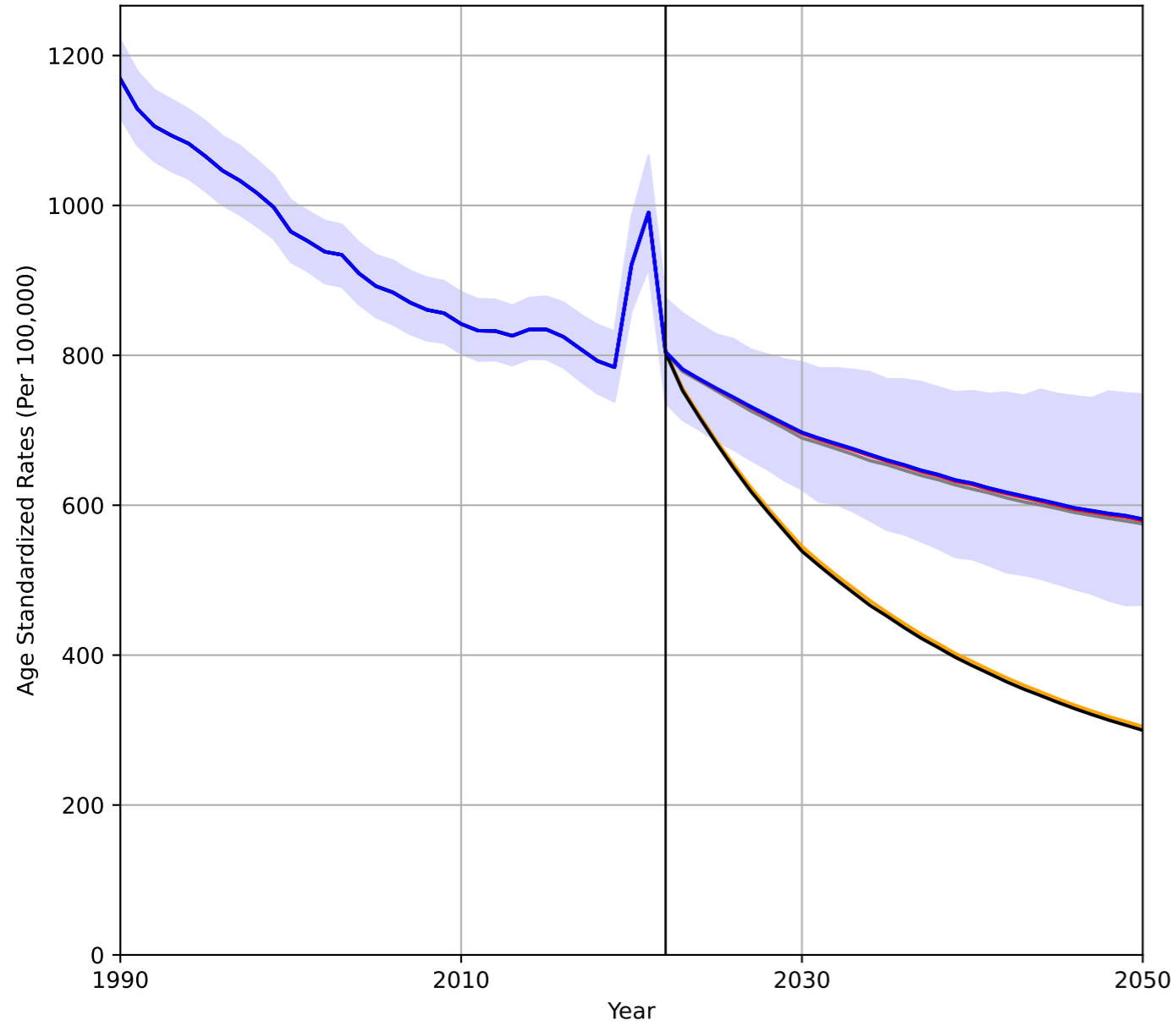
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# North Africa And Middle East

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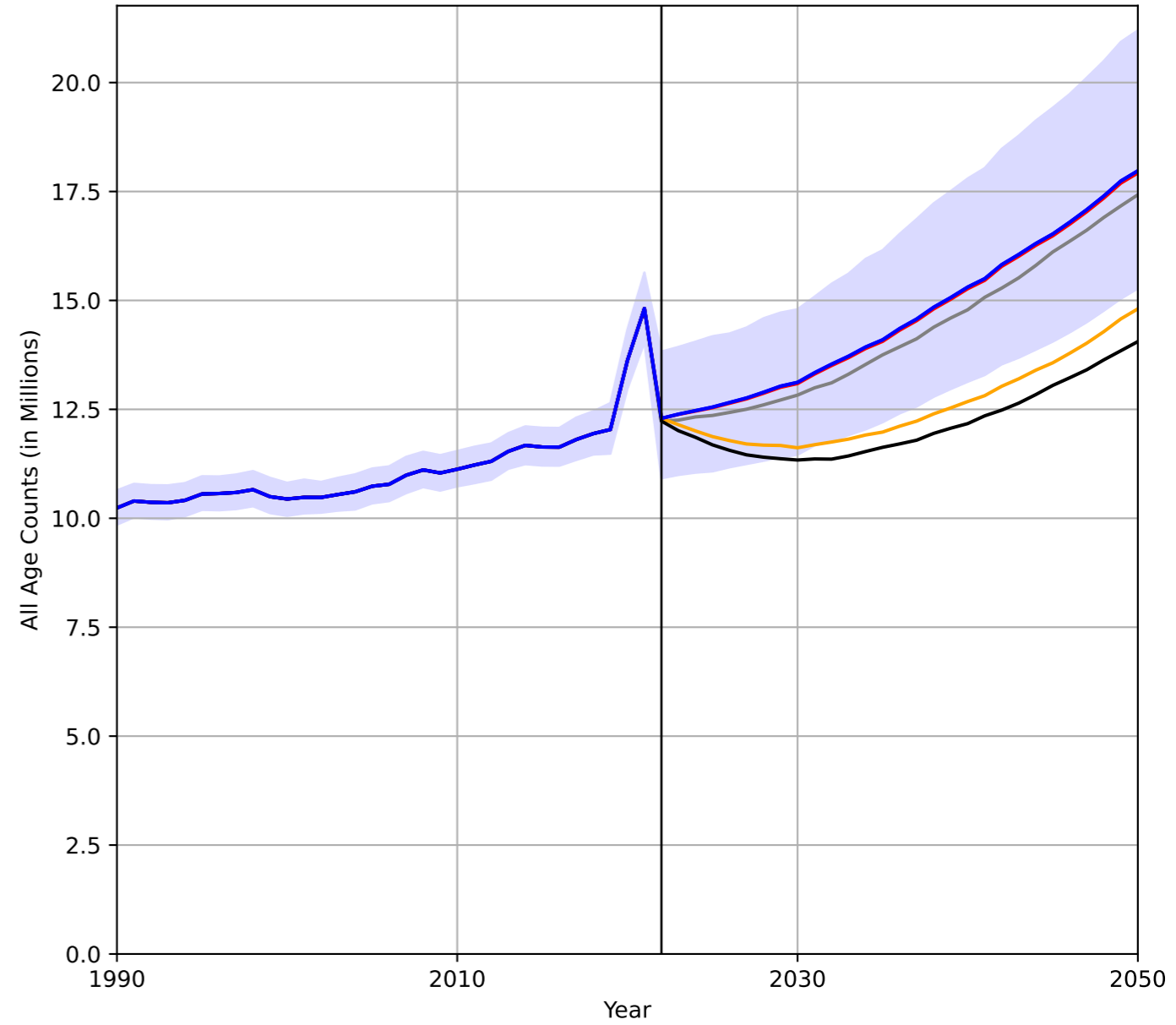
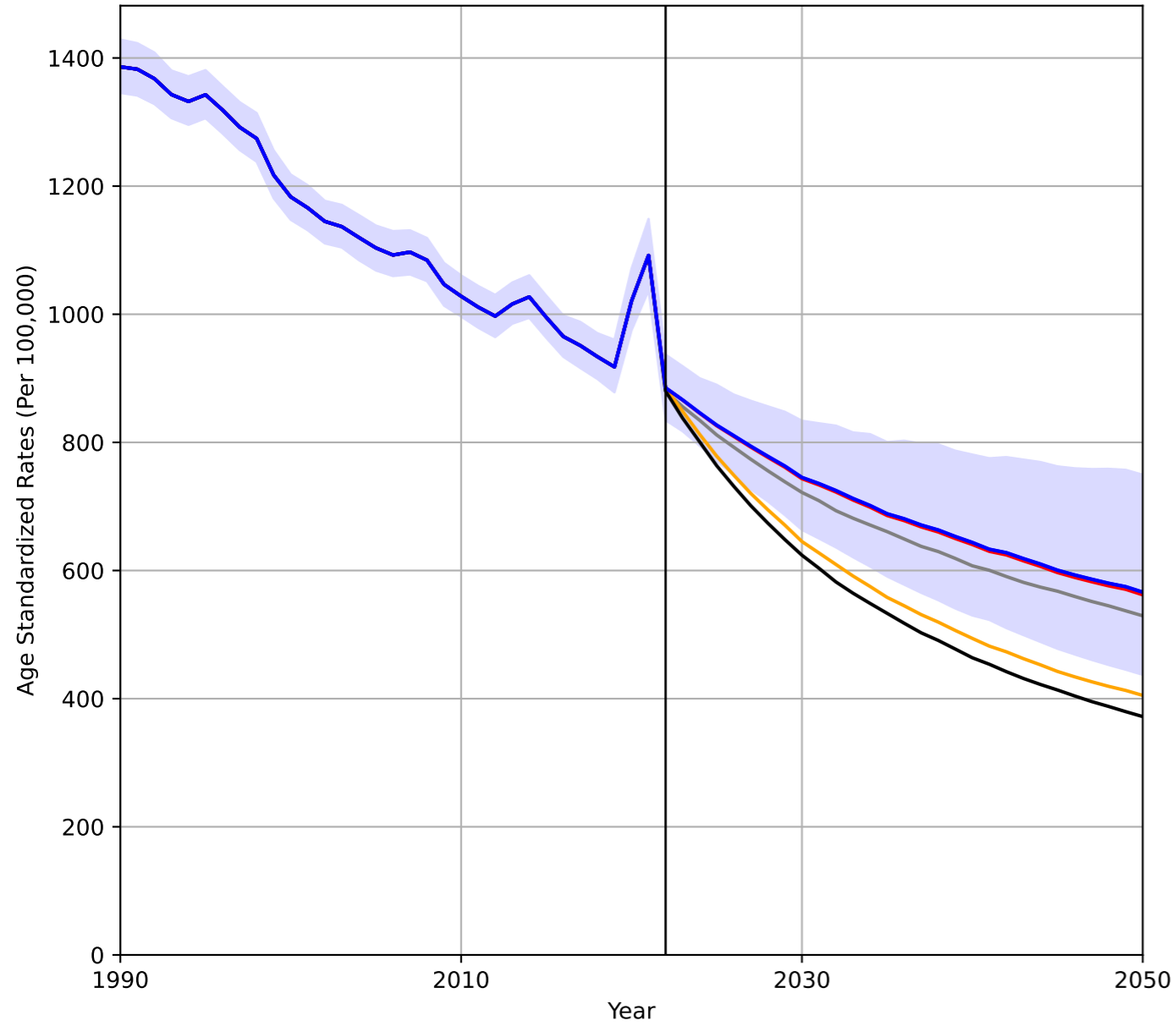
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# South Asia

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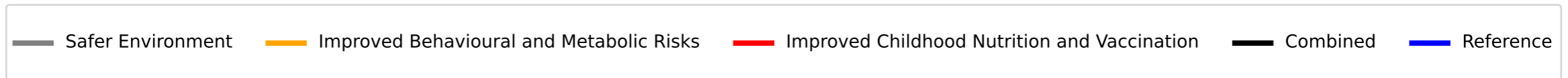
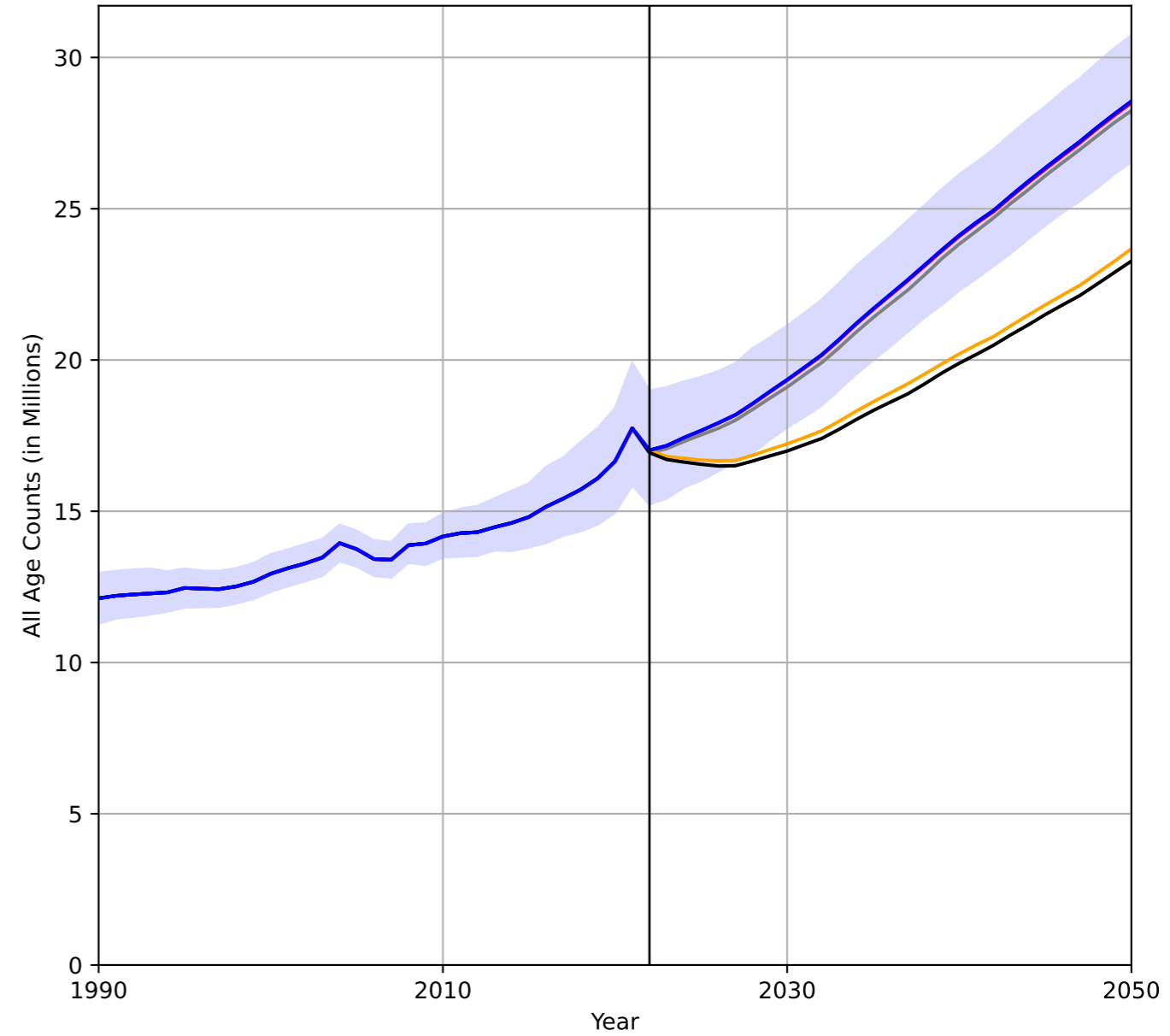
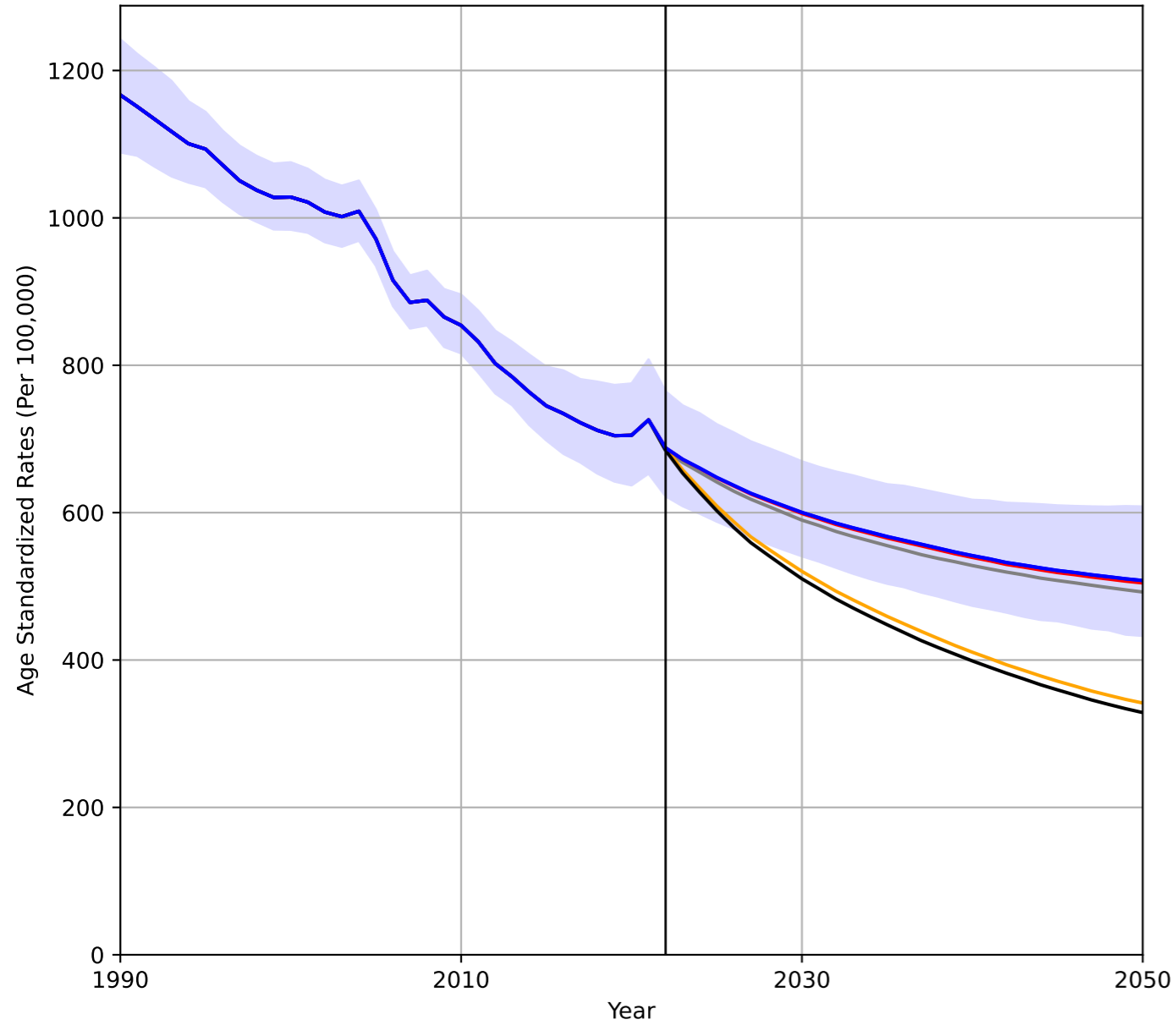
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# Southeast Asia, East Asia, And Oceania

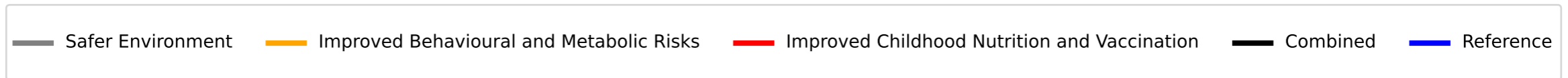
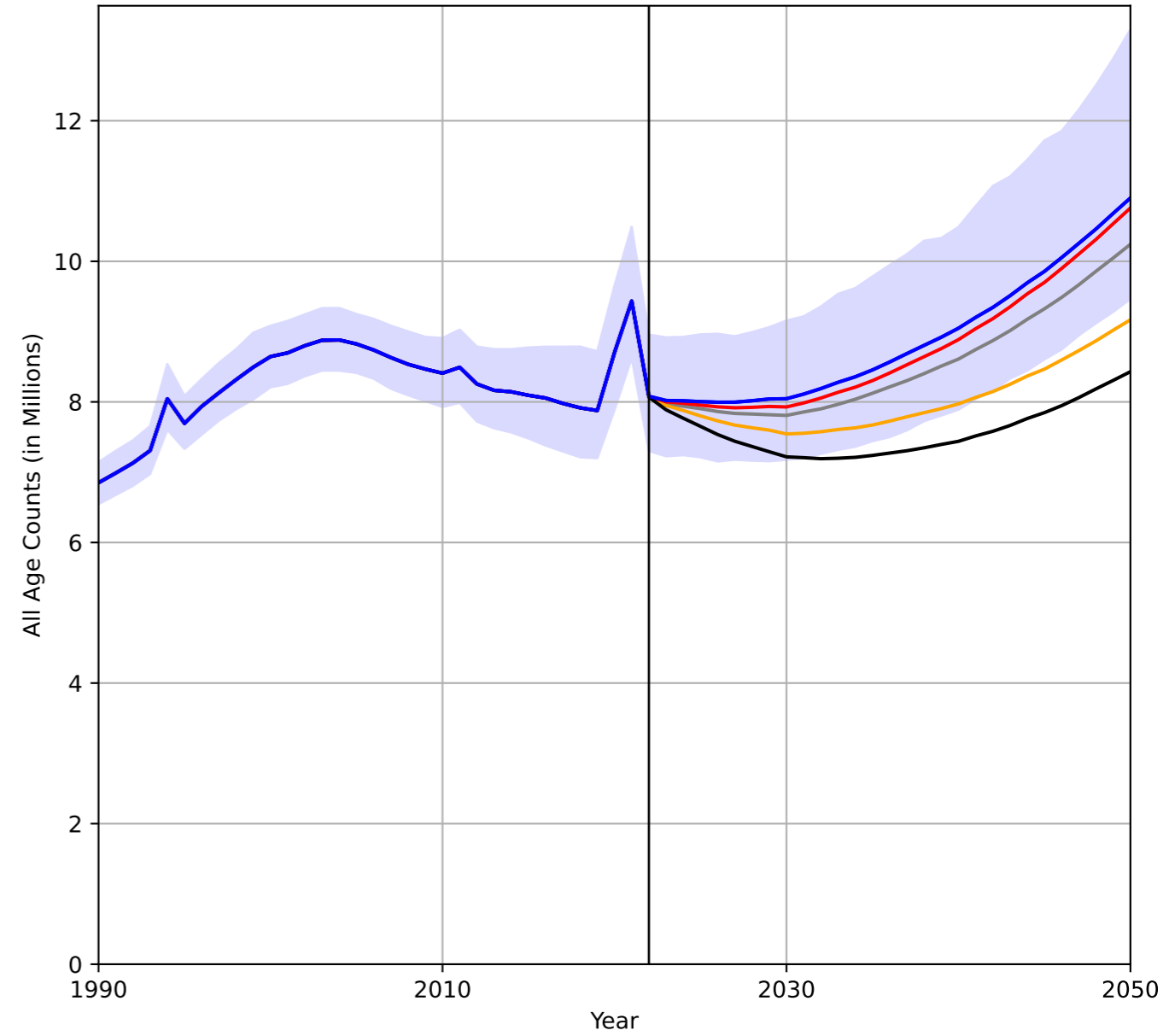
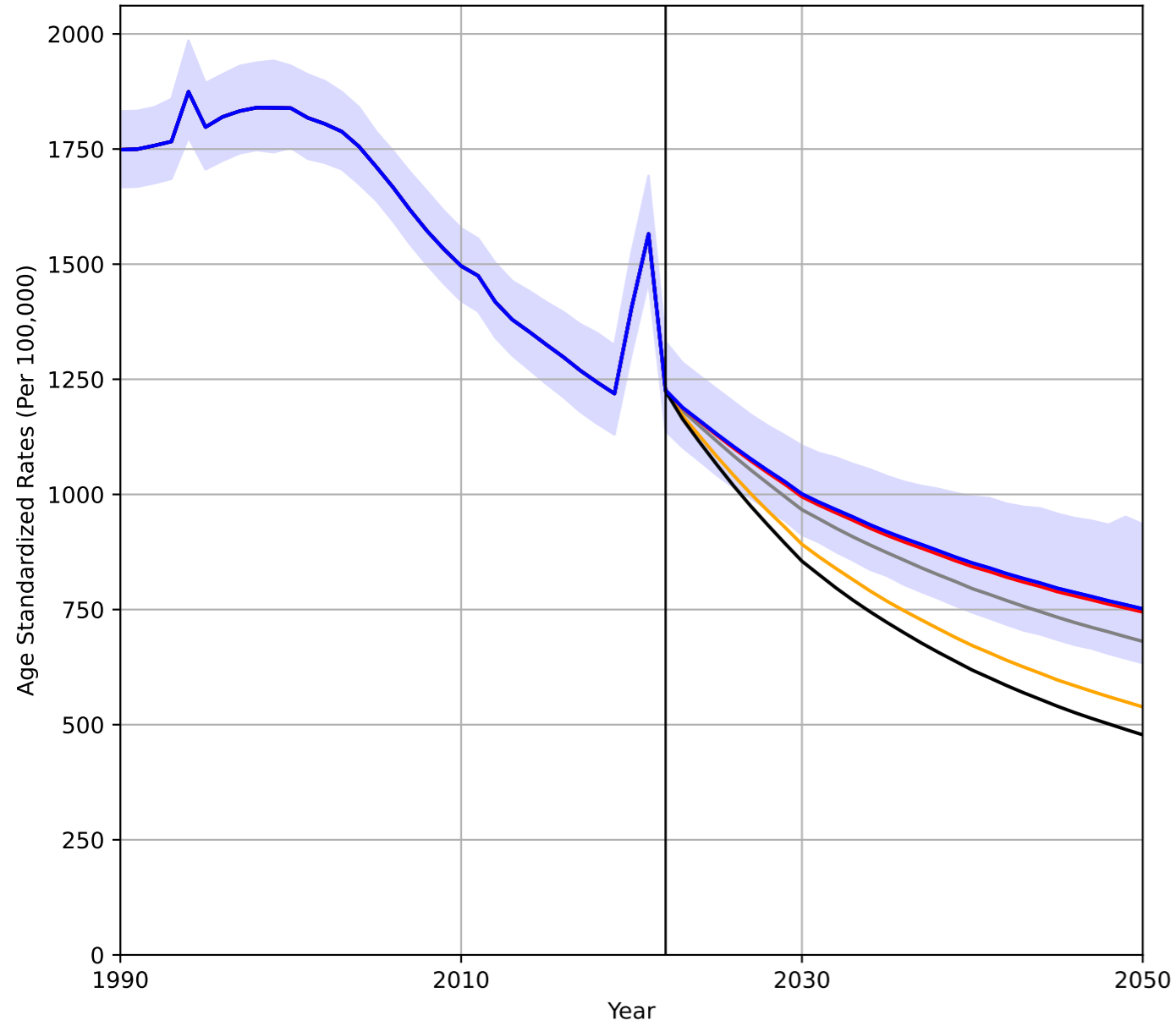
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1854



# Sub-Saharan Africa

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

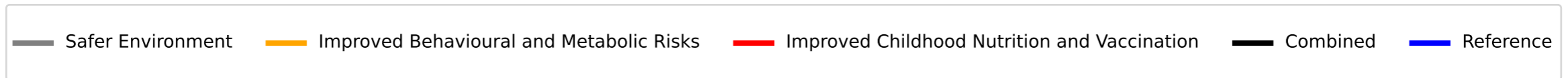
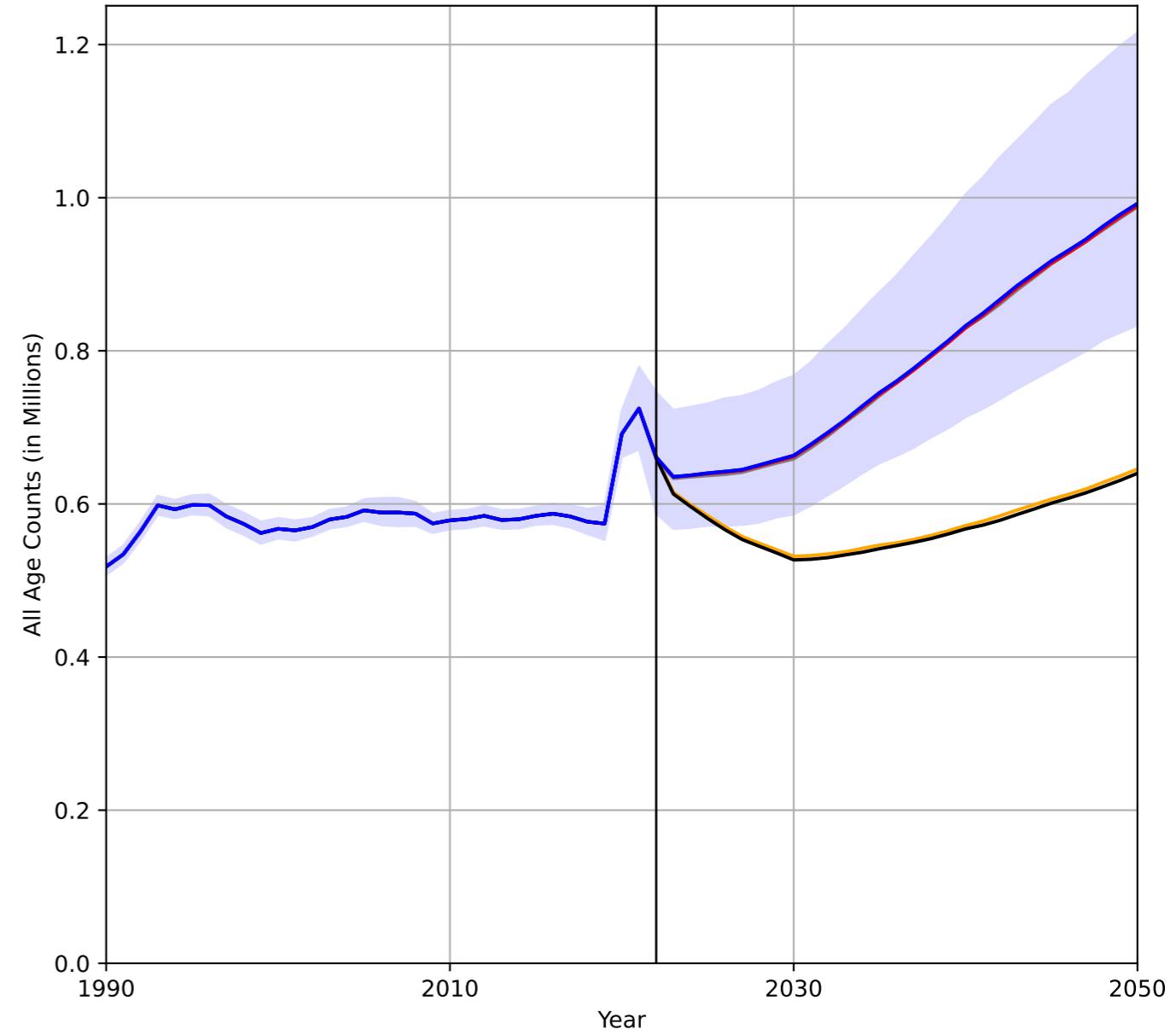
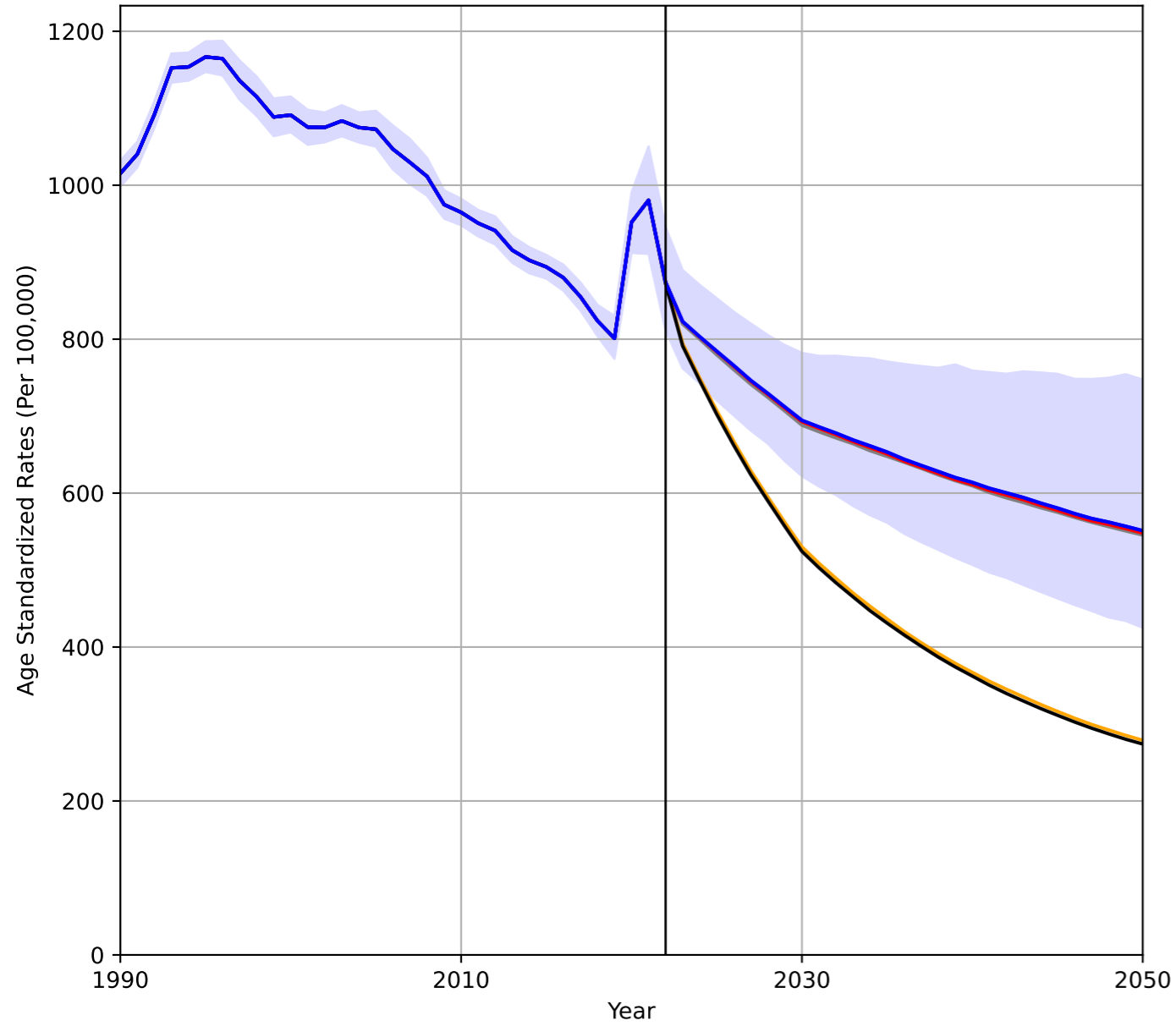




# Central Asia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

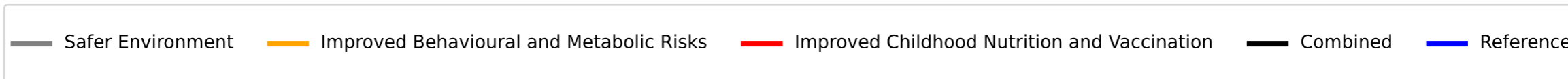
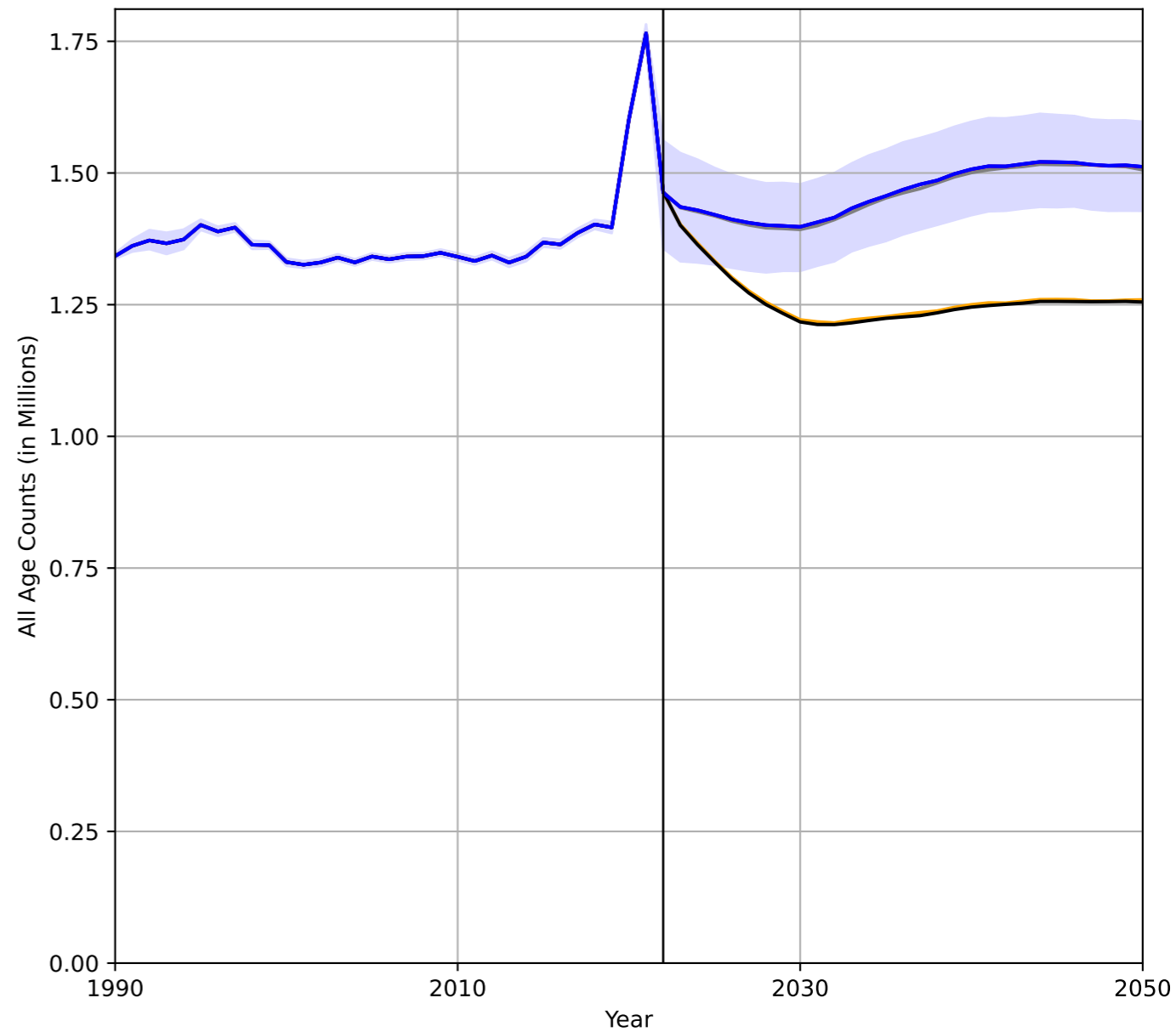
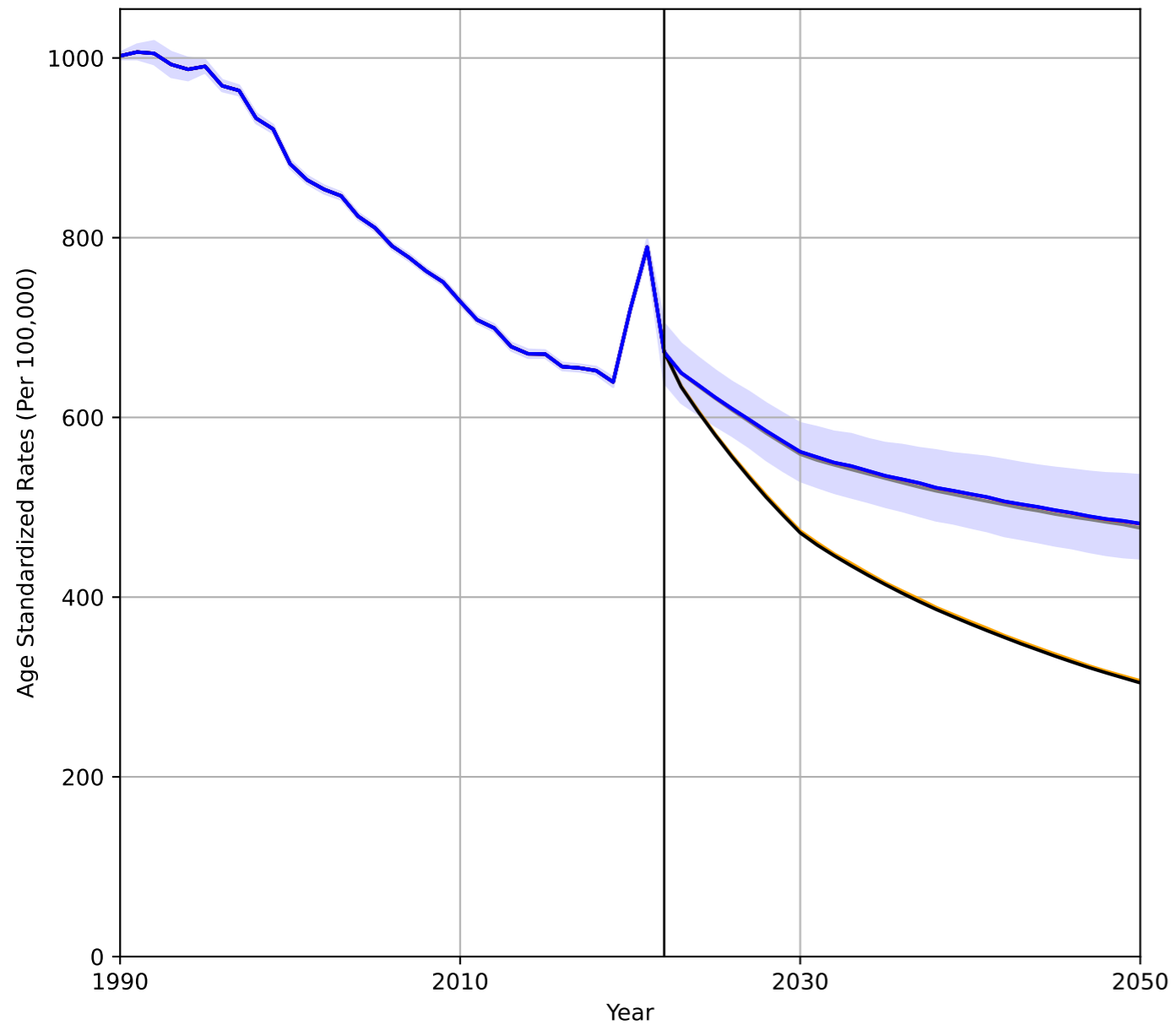
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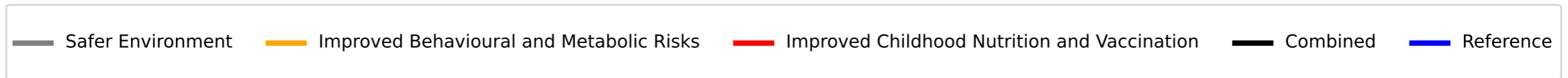
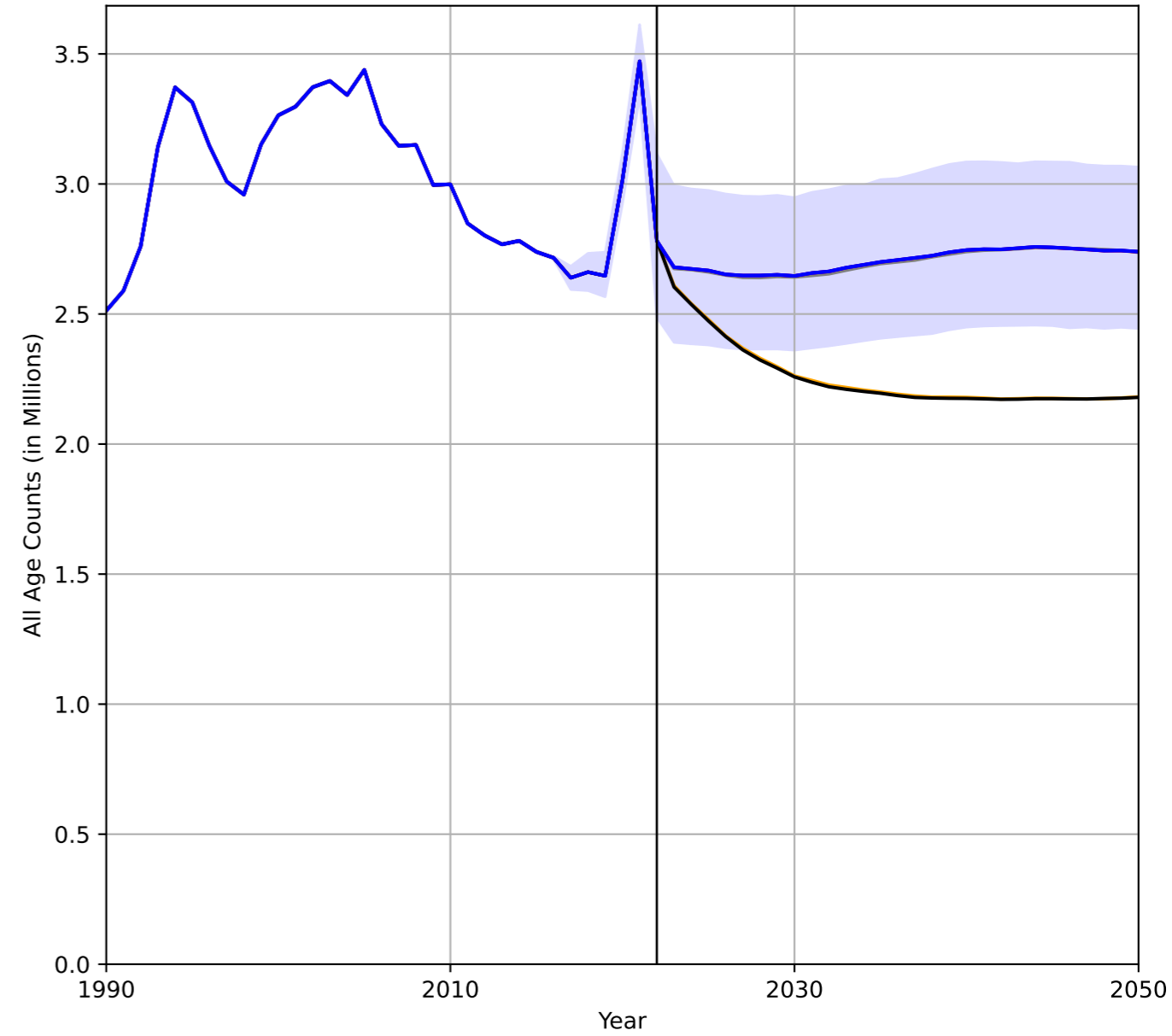
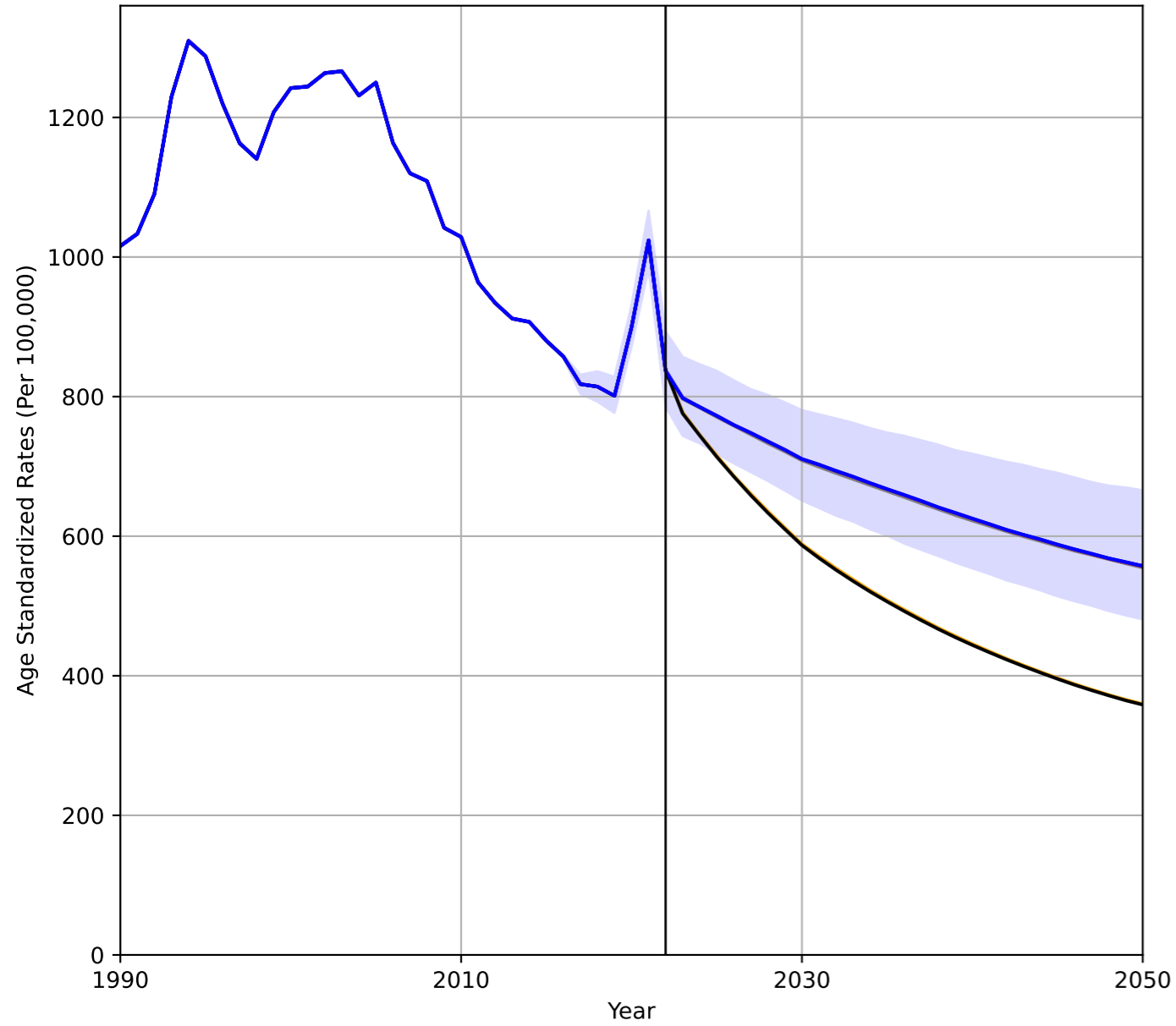
# Central Europe

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1857



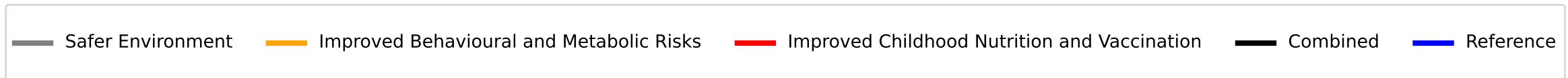
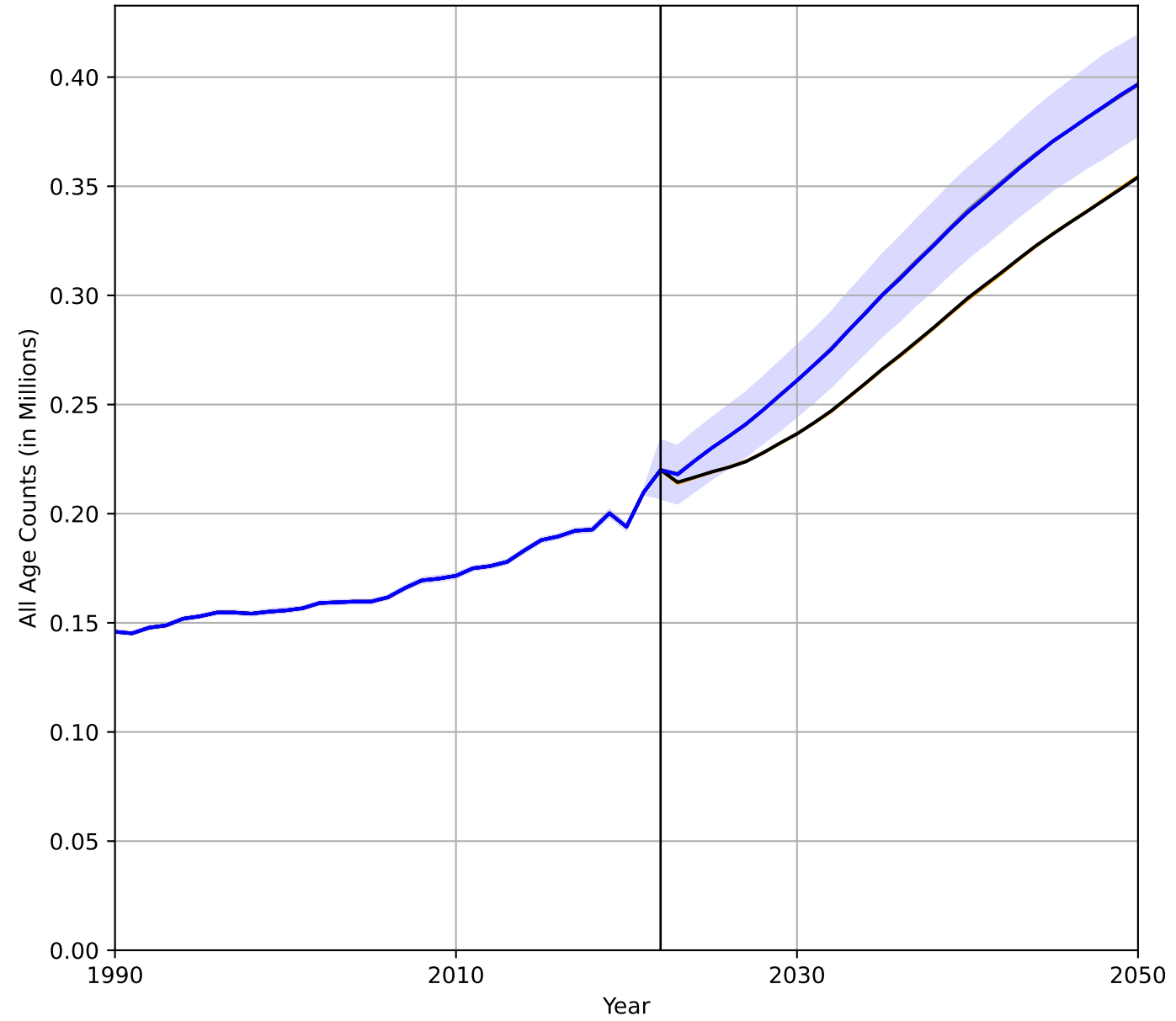
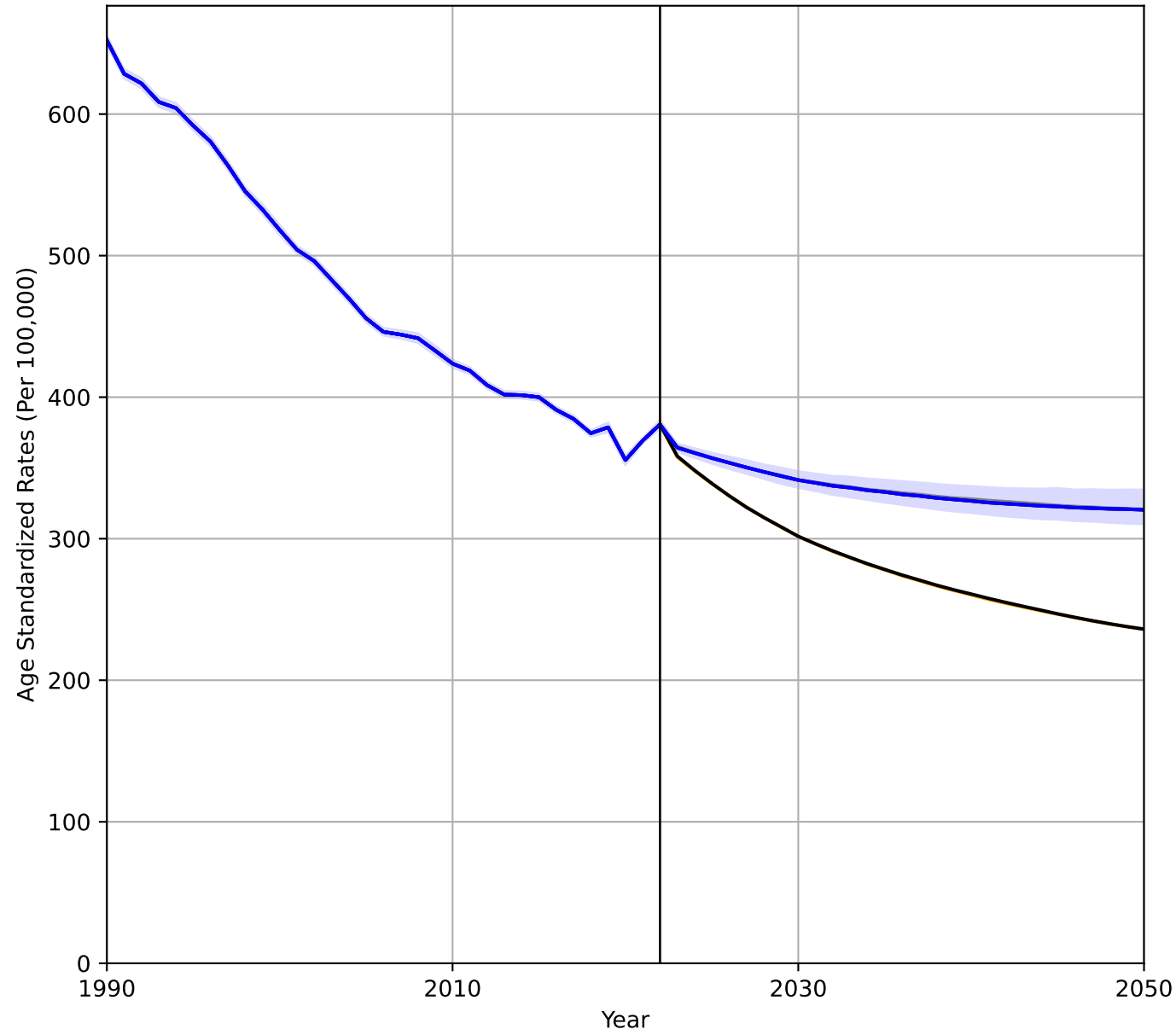
# Eastern Europe



# Australasia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

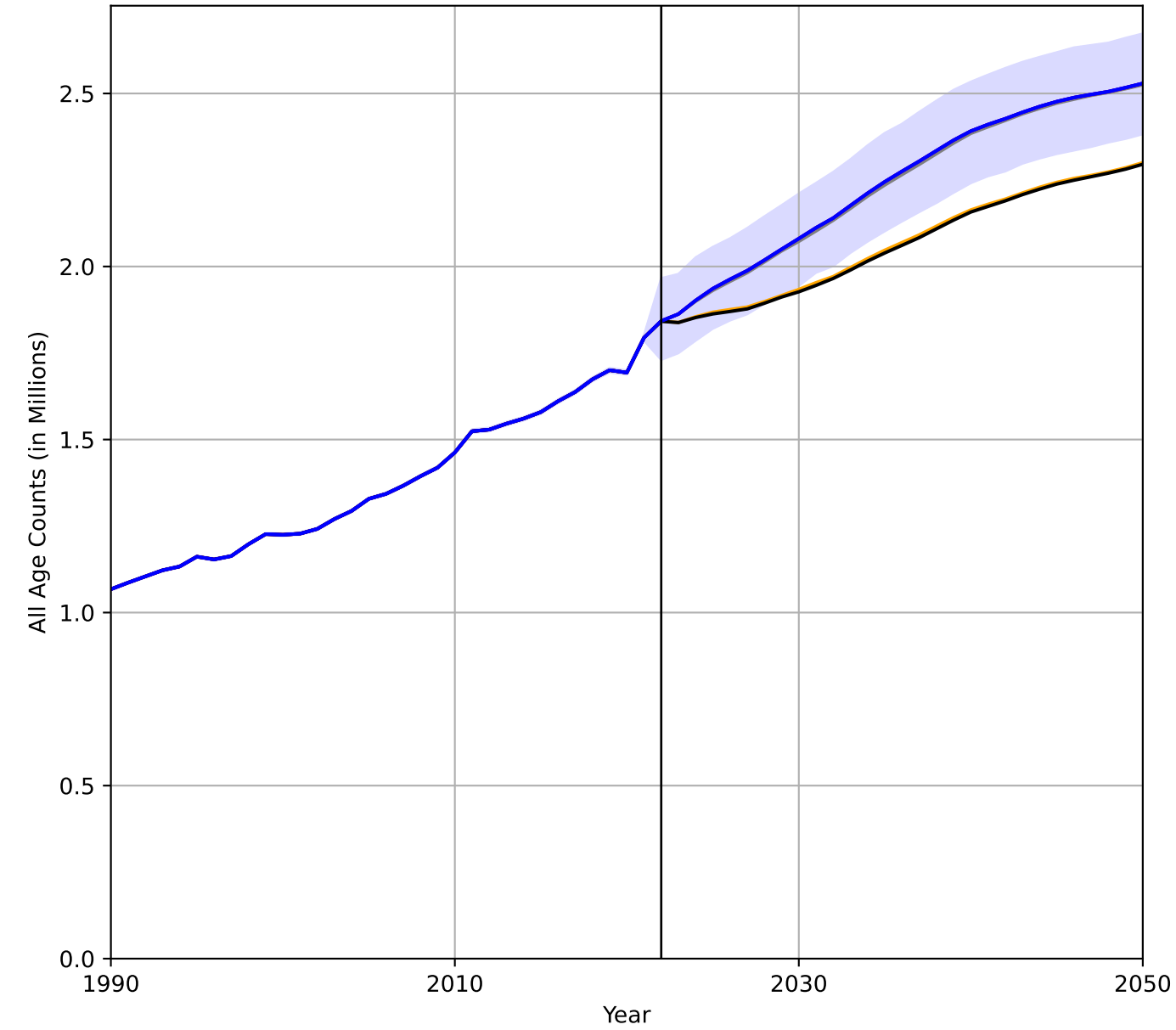
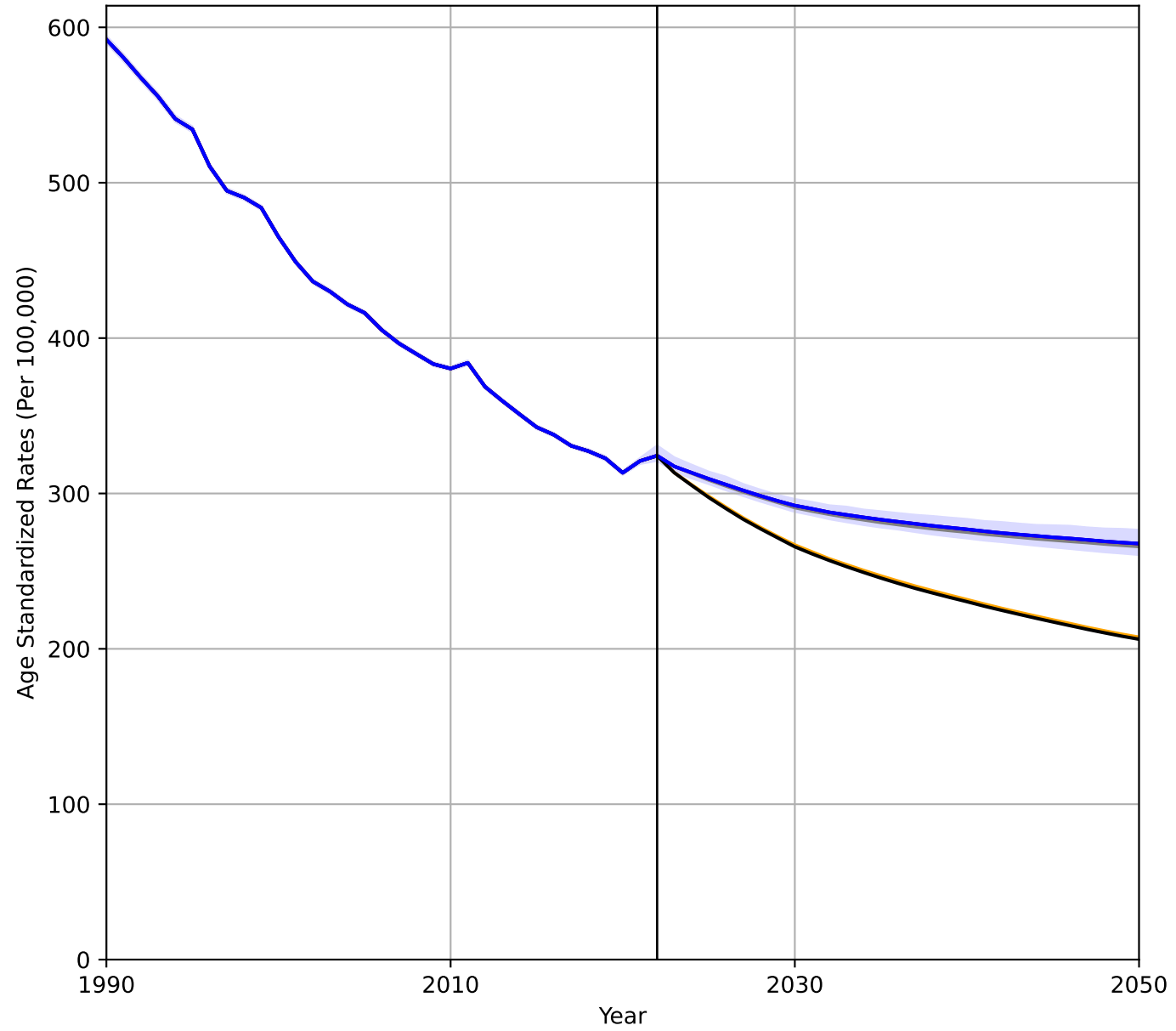
1859



# High-Income Asia Pacific

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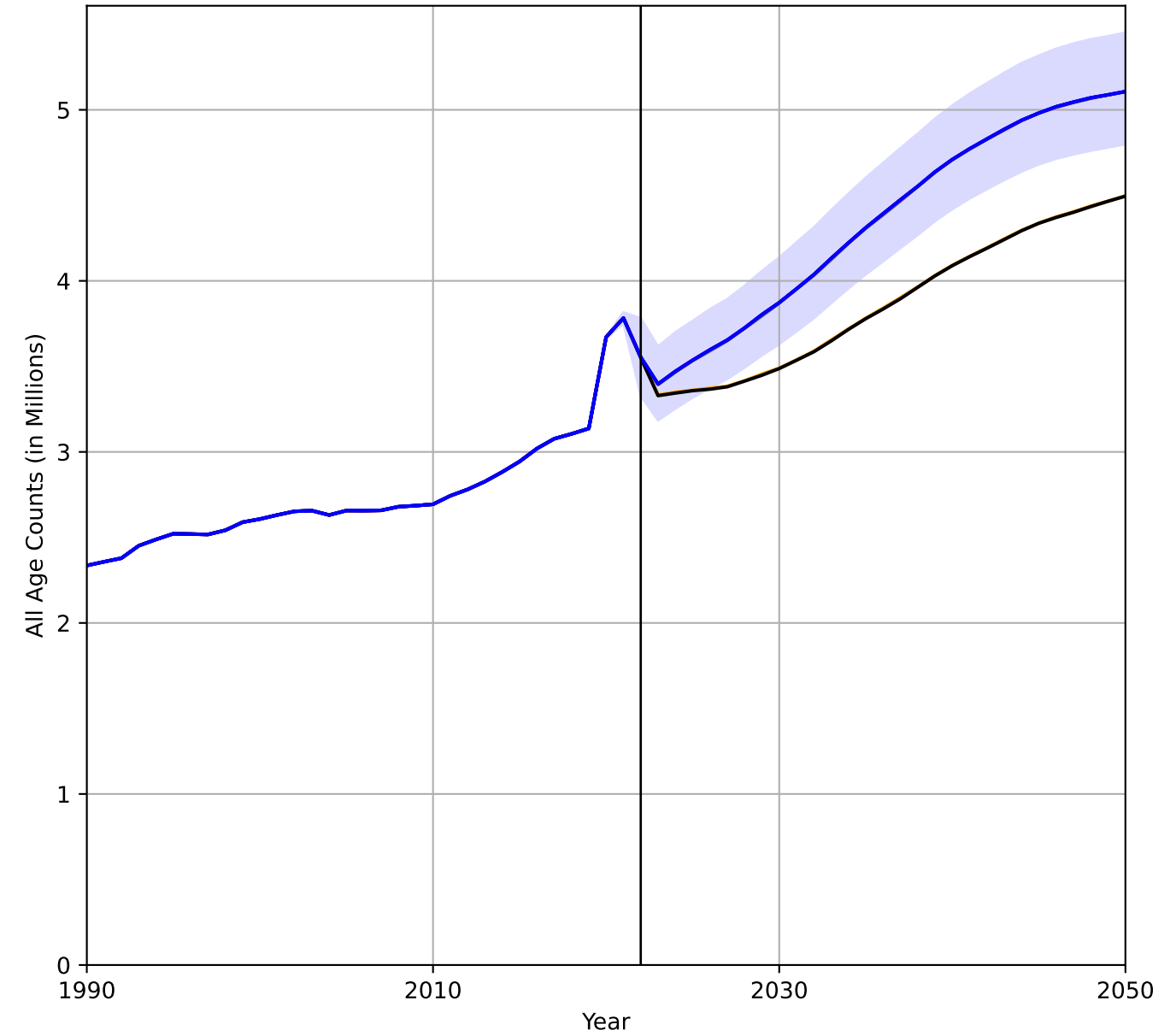
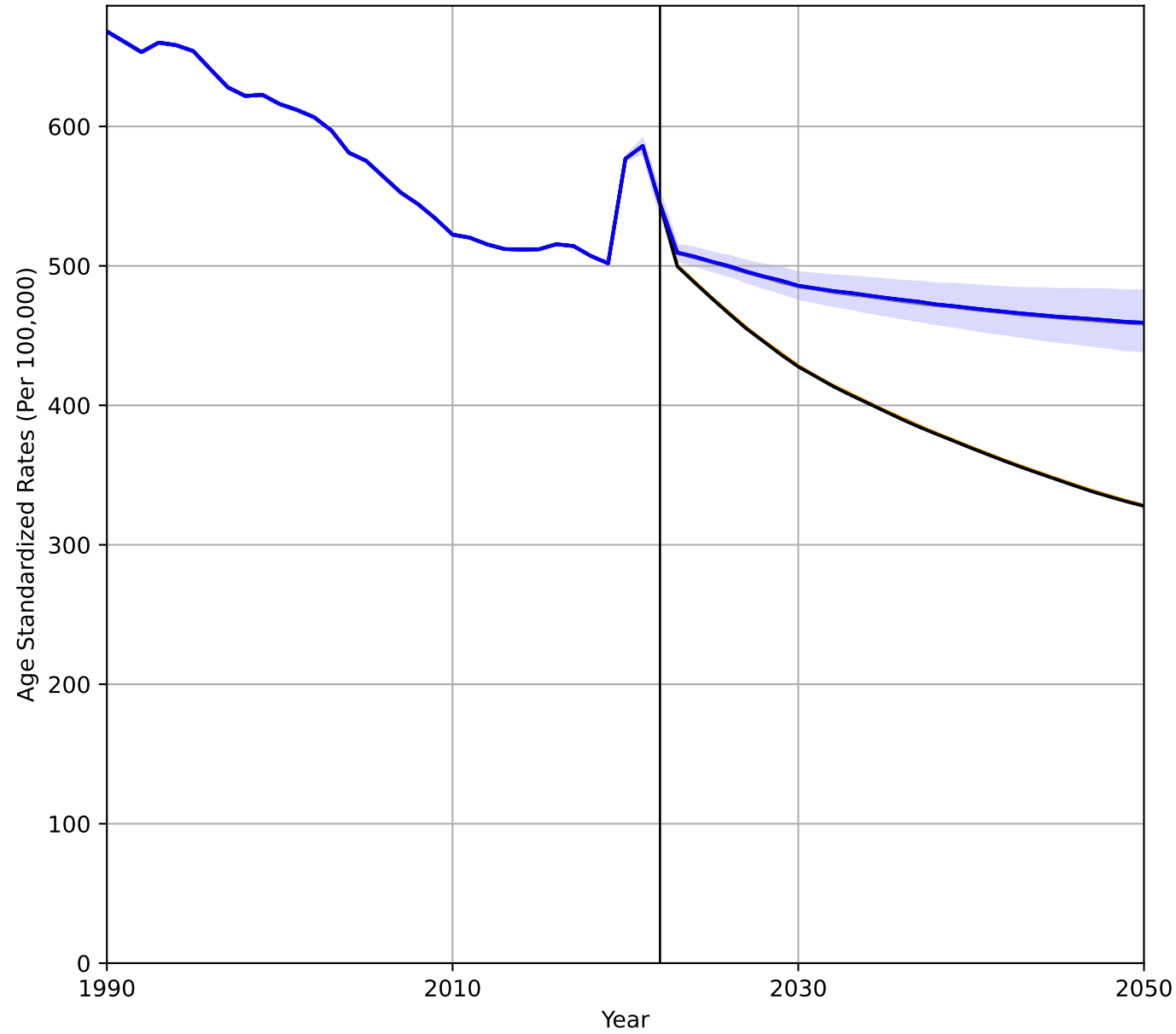
1860



# High-Income North America

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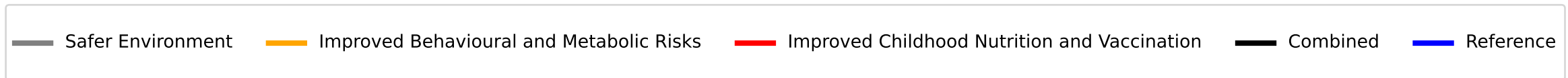
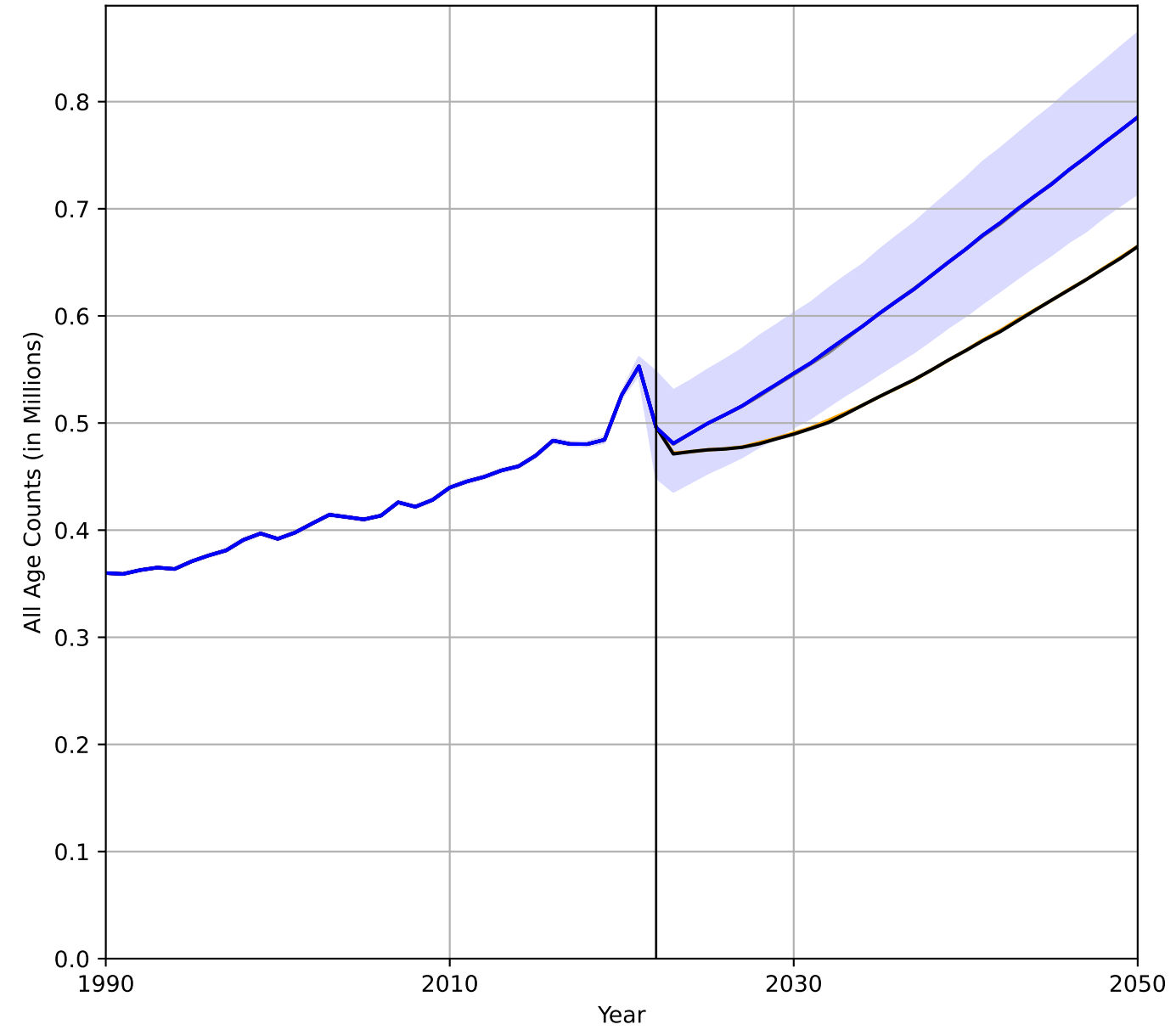
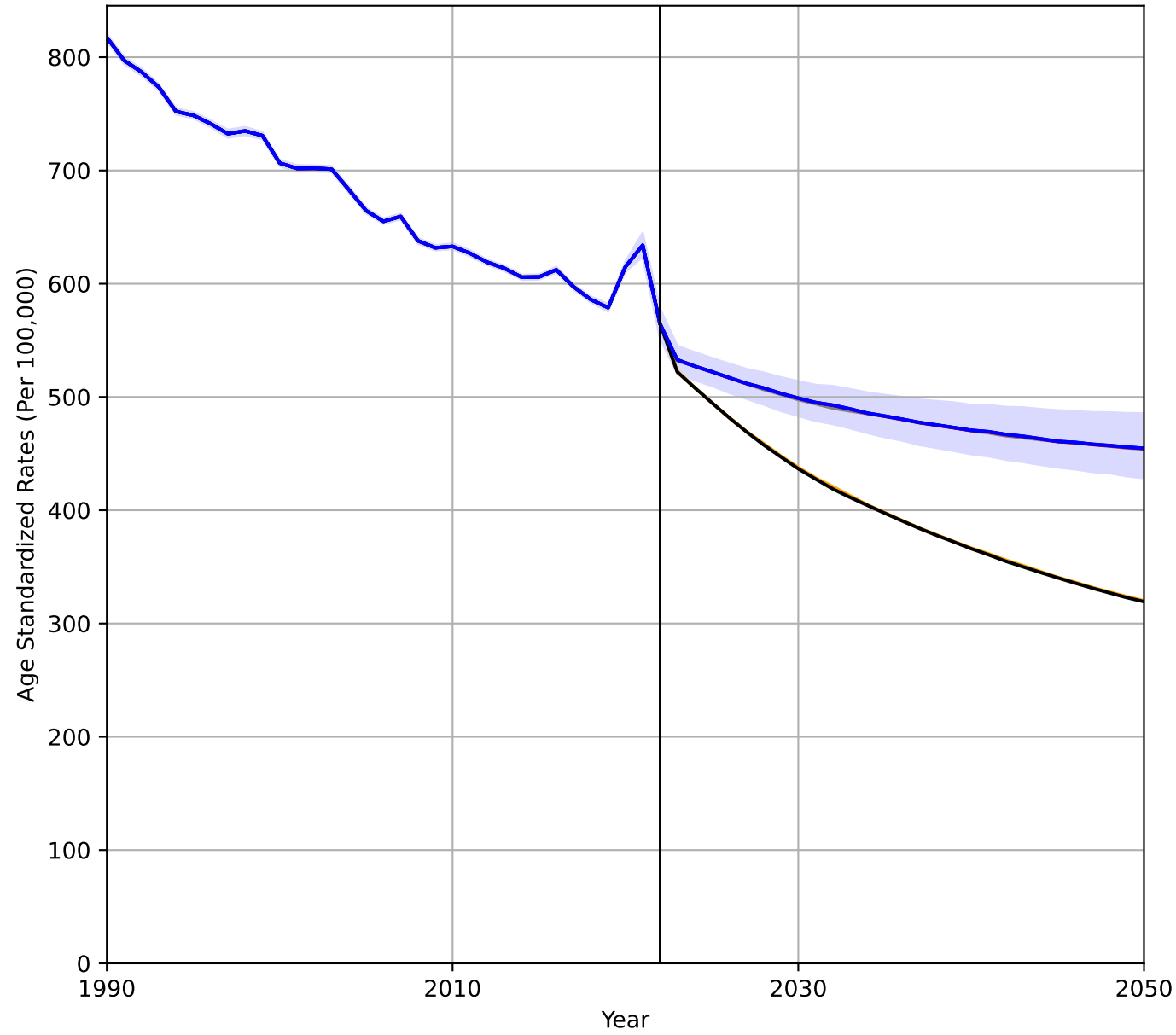
1861



# Southern Latin America

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

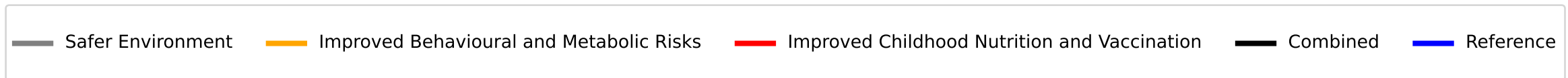
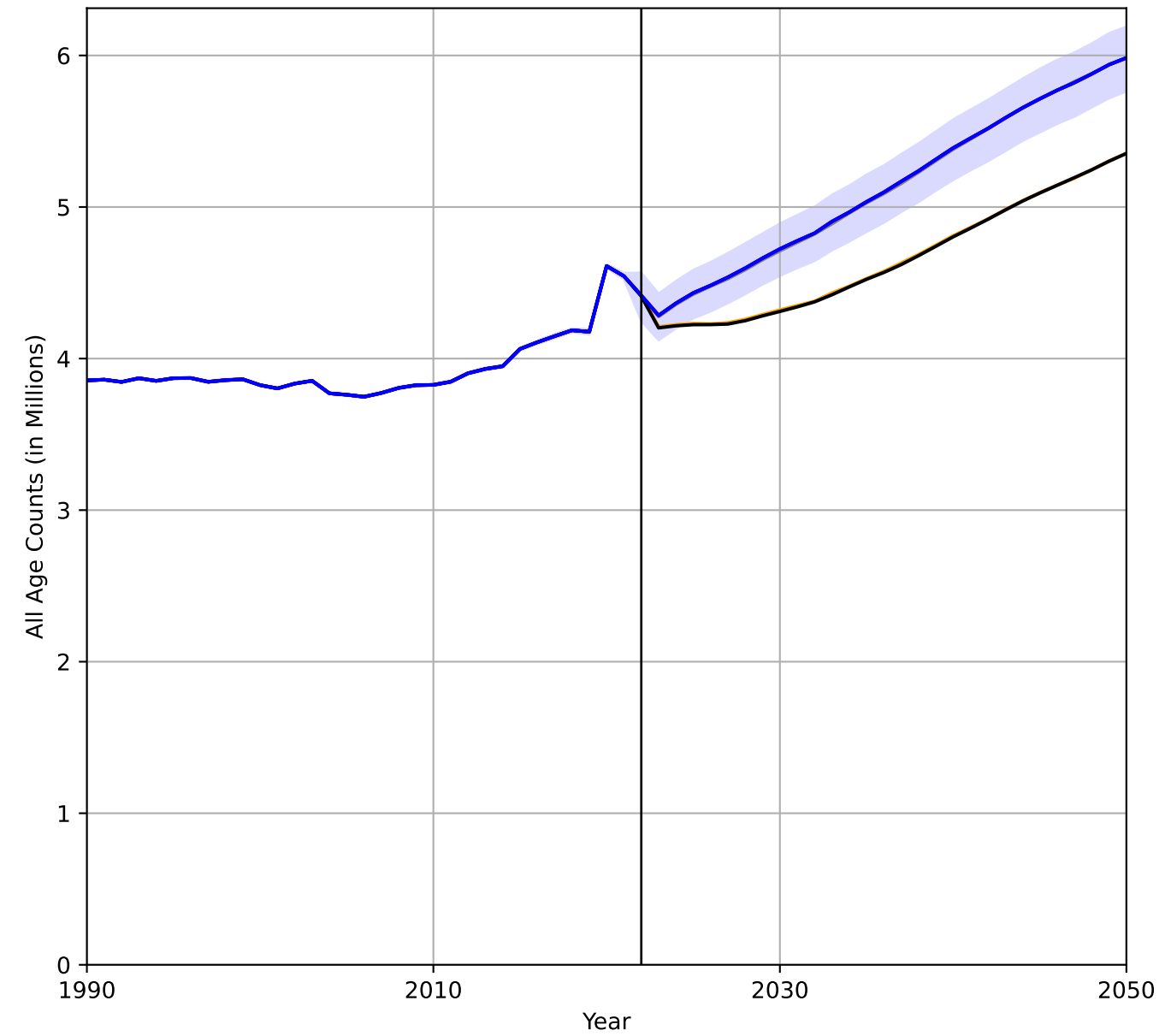
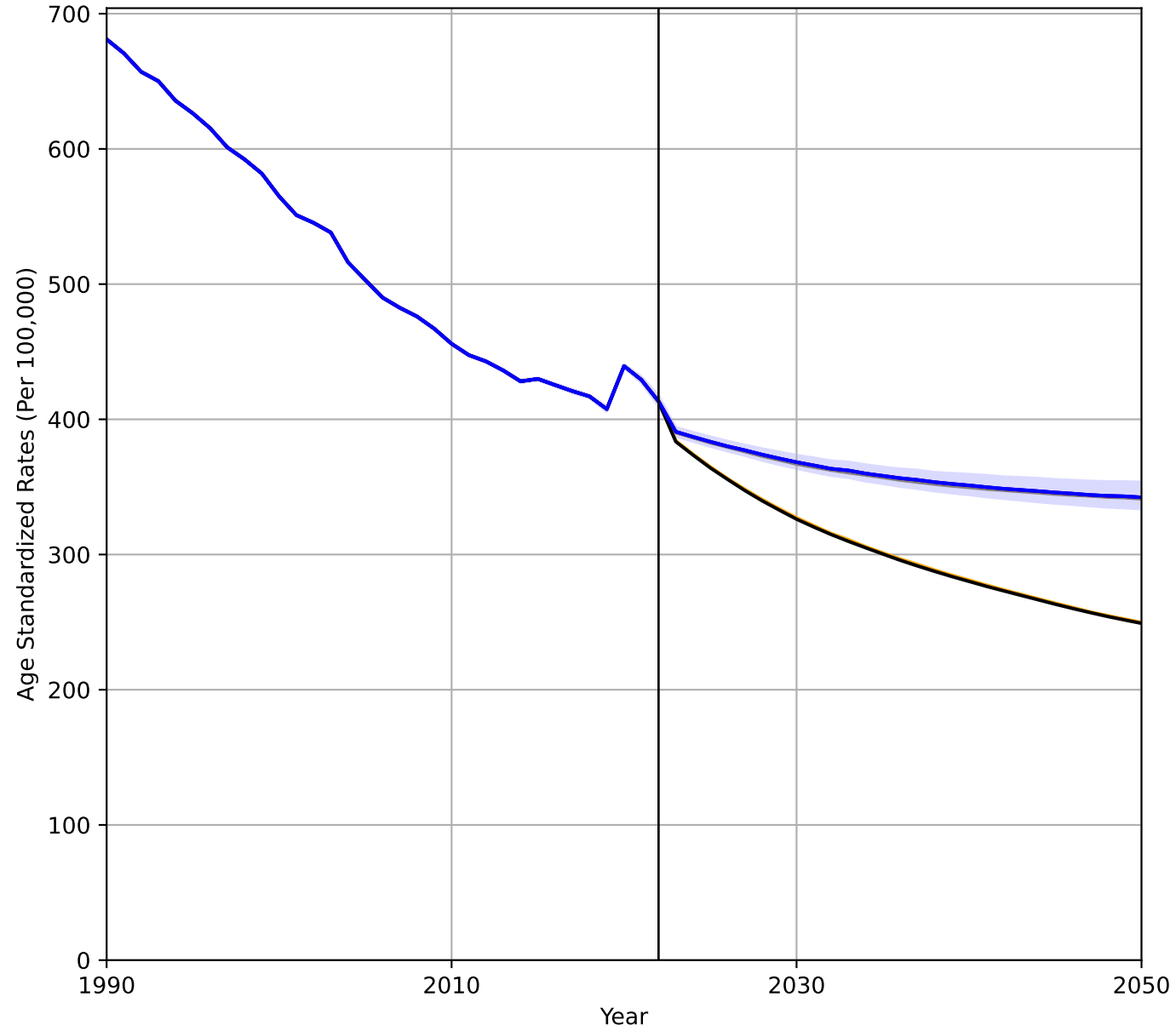
1862



# Western Europe

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1863

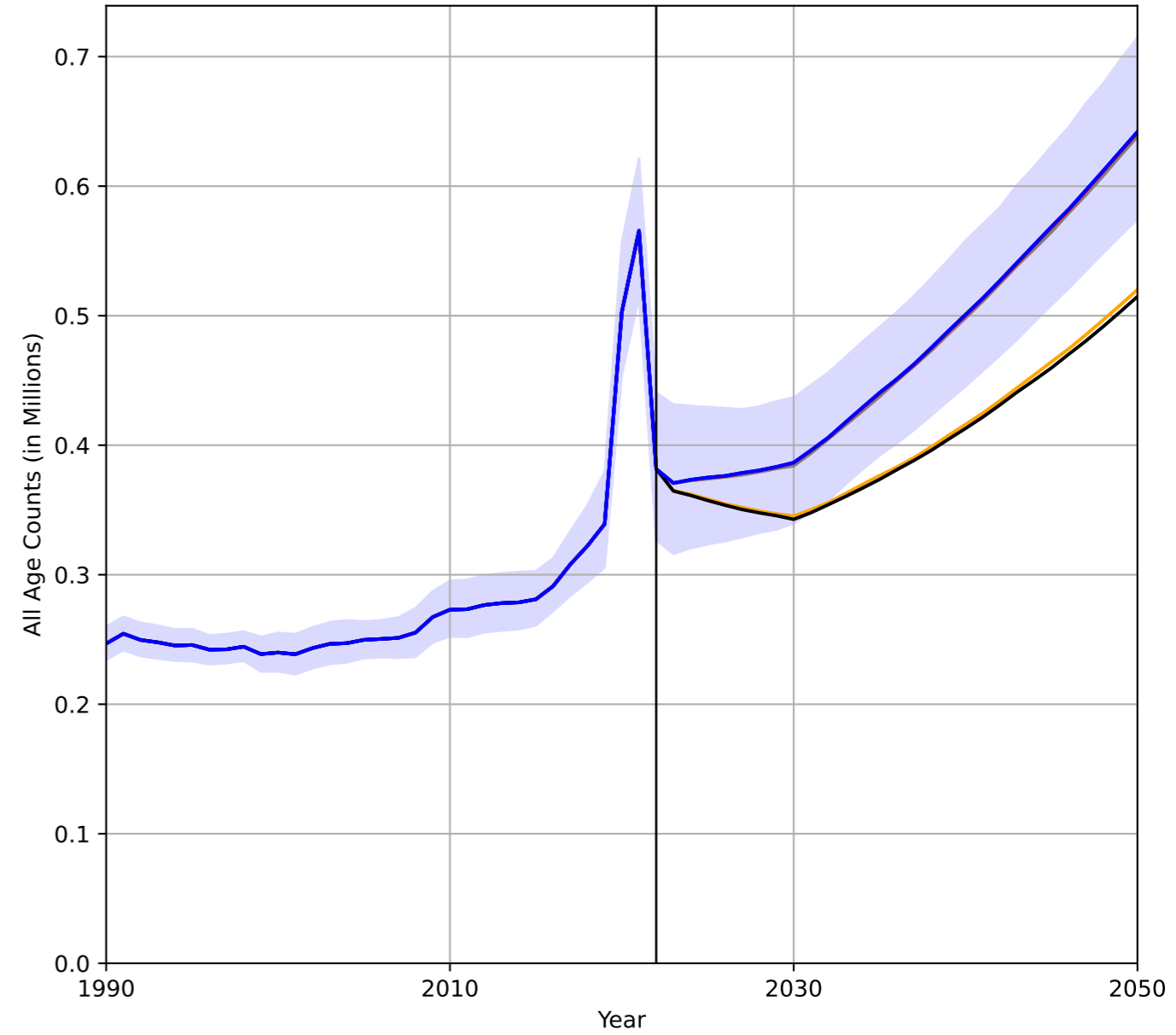
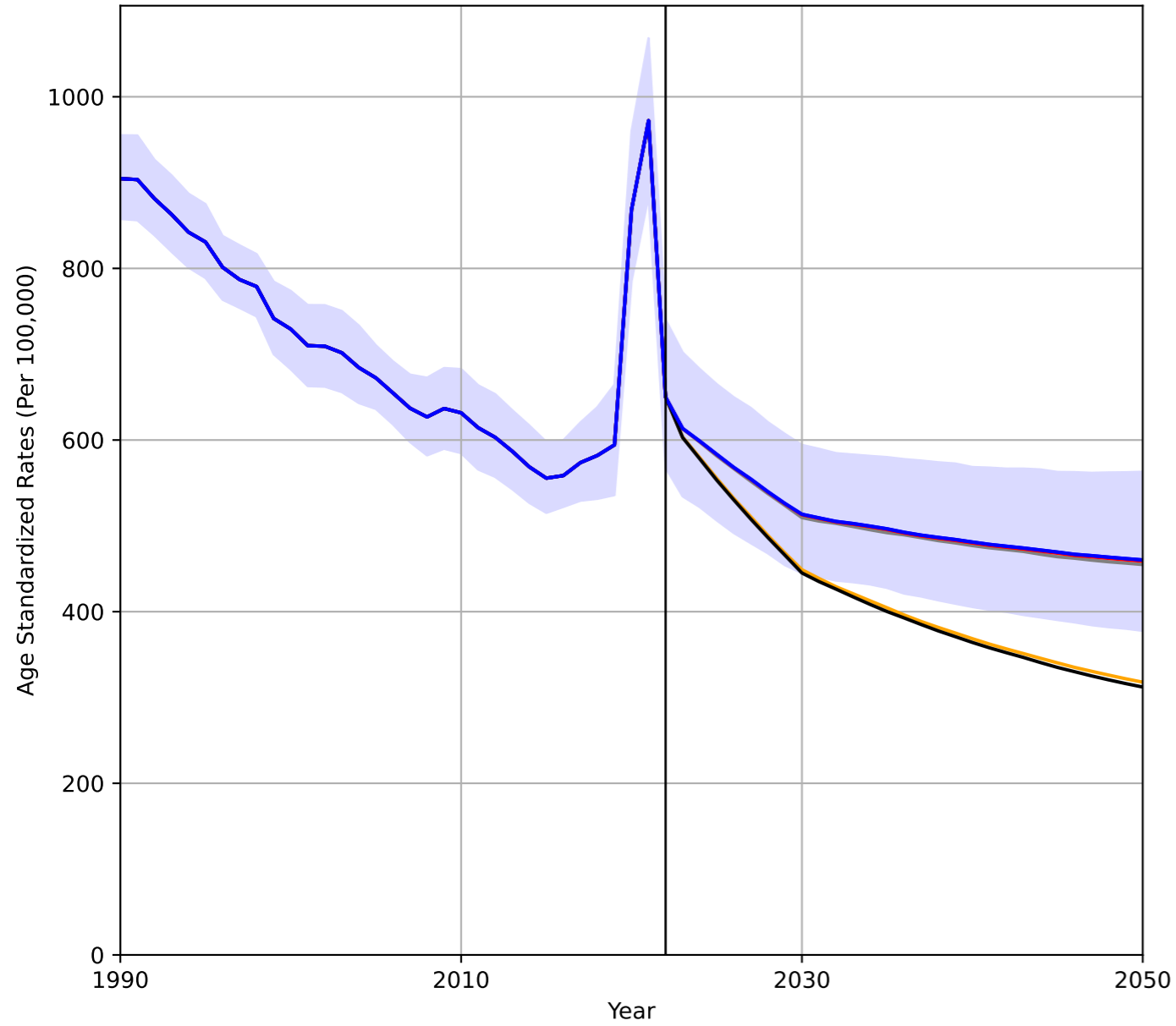




# Andean Latin America

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

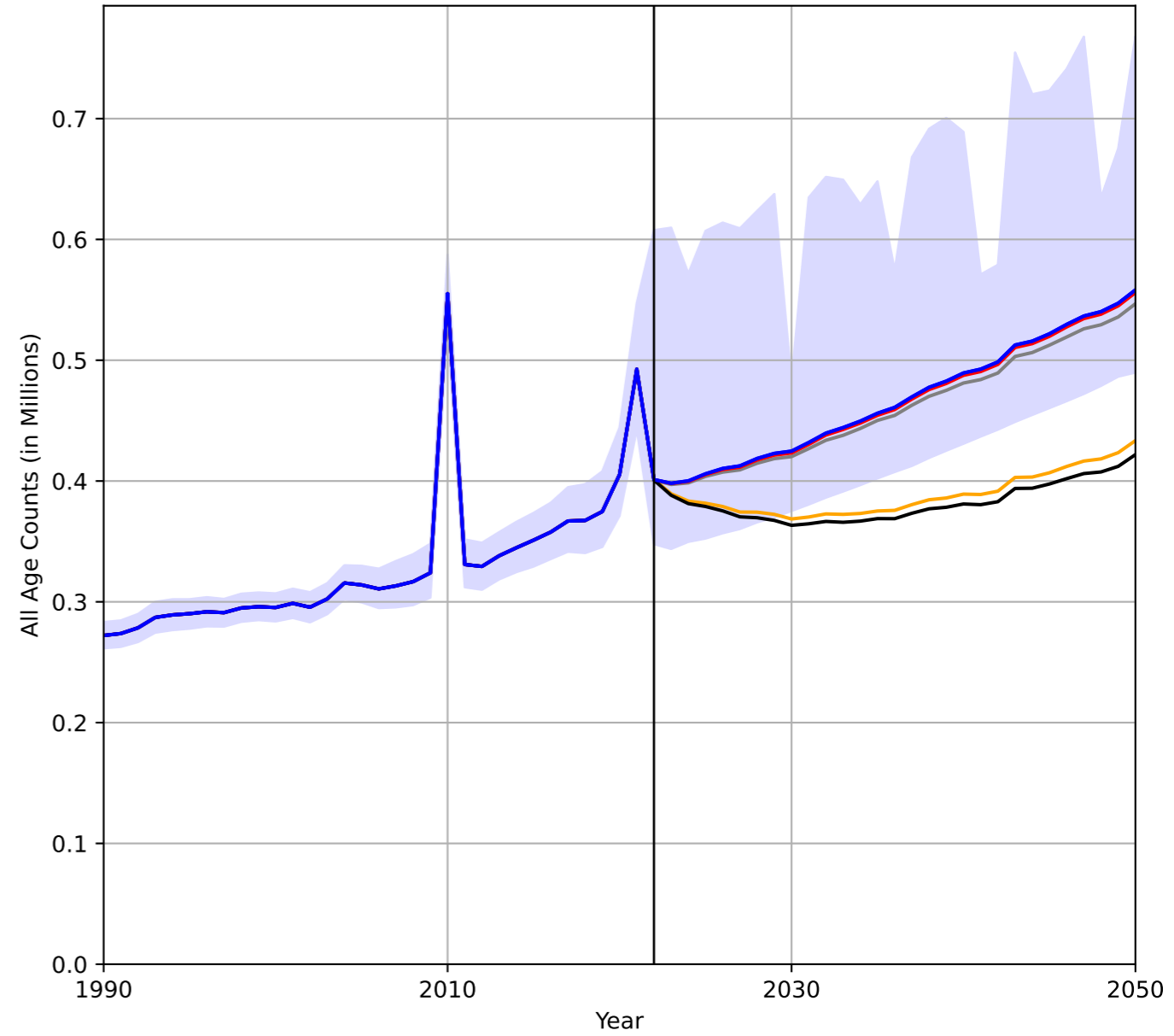
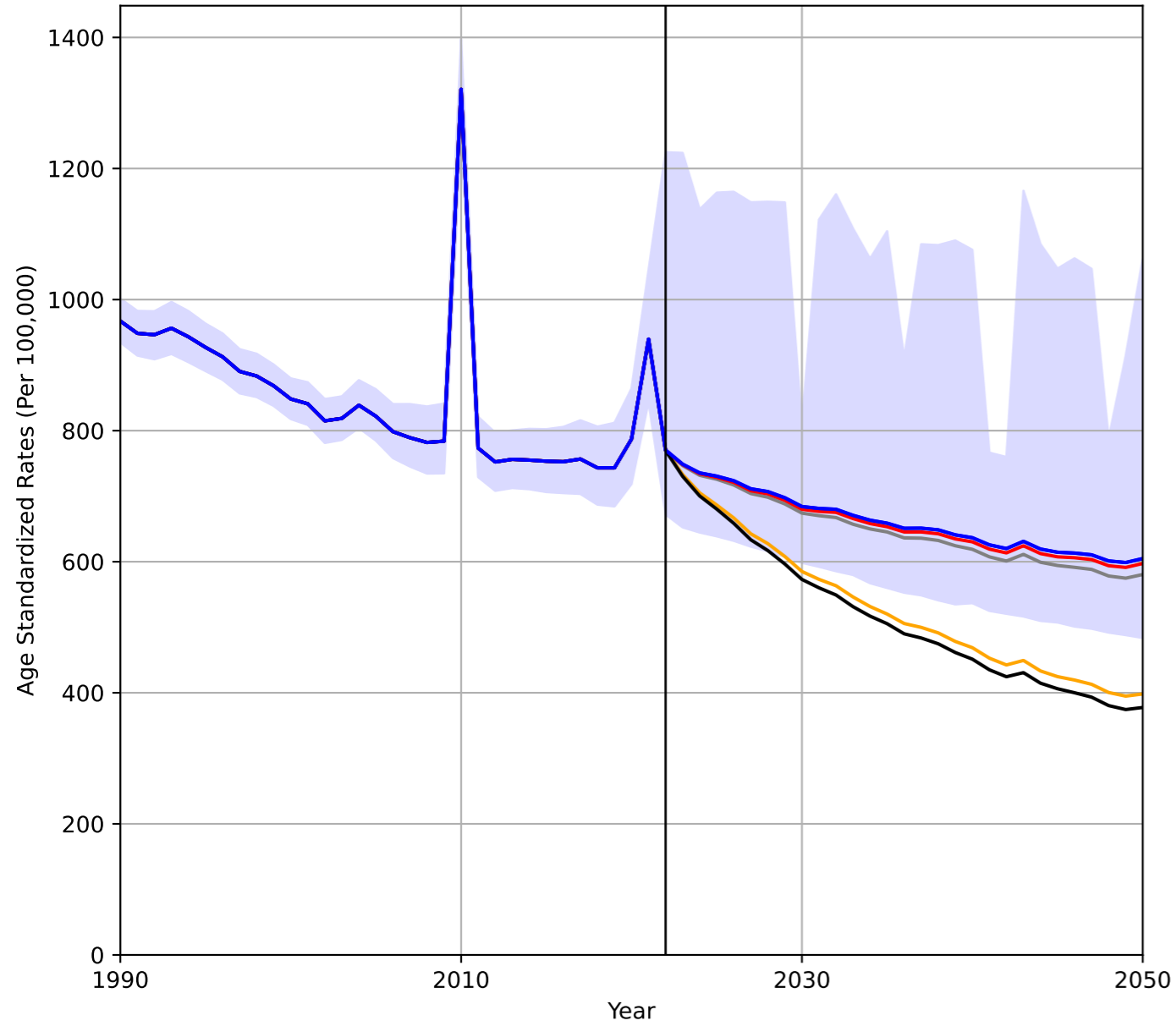
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# Caribbean

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

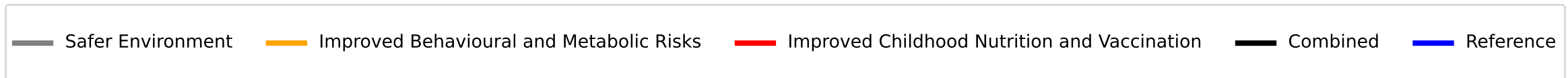
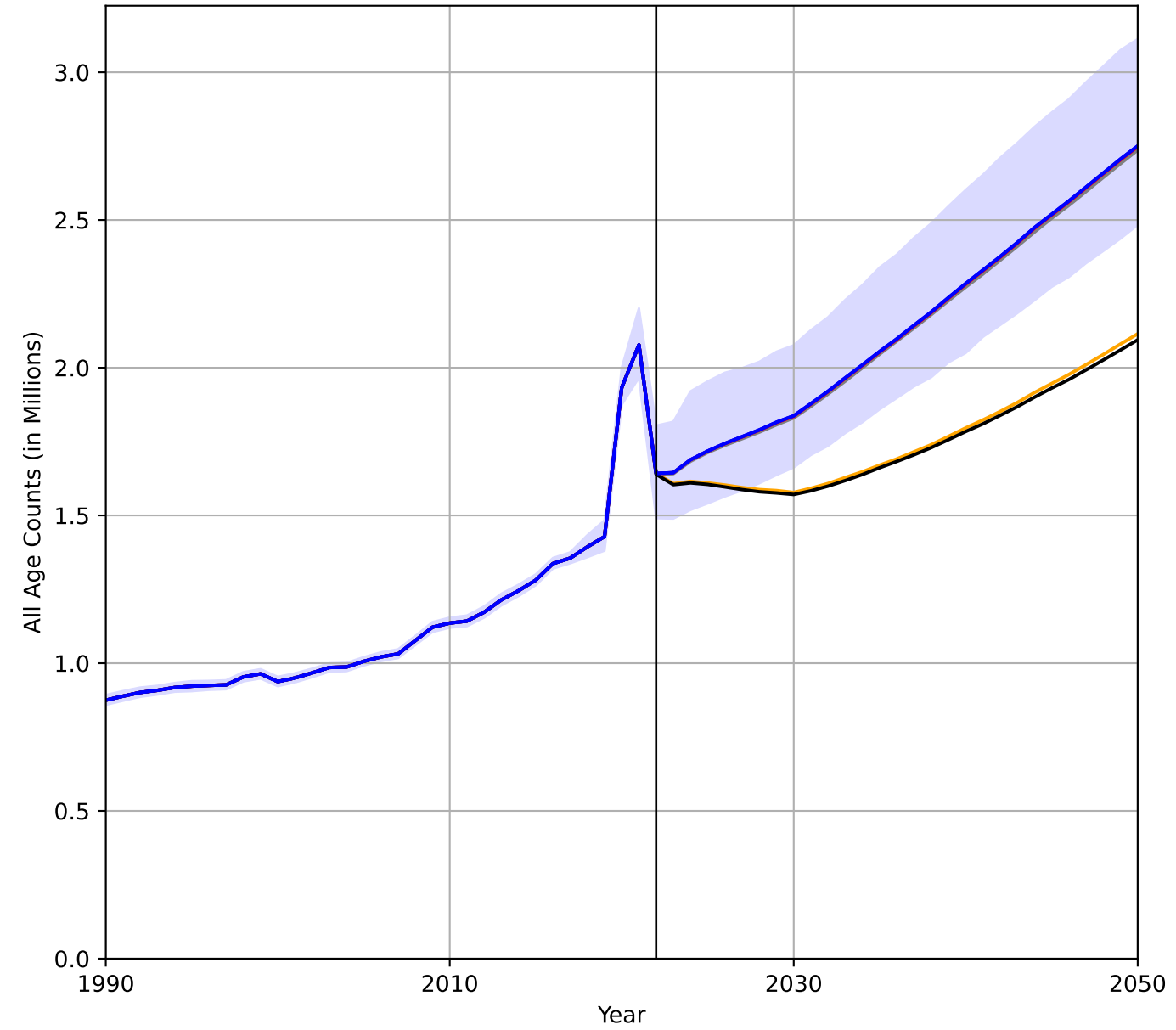
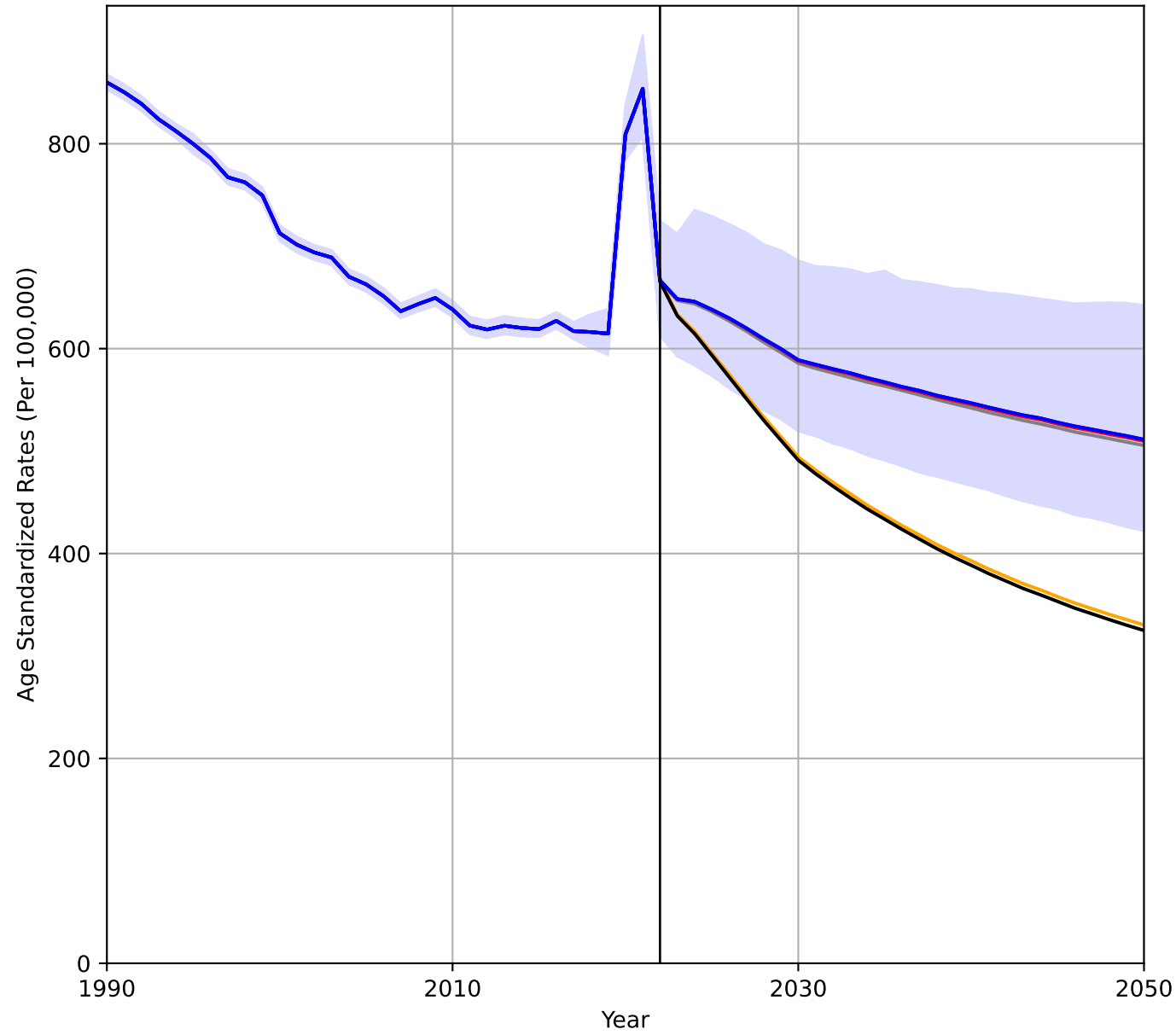
1865



# Central Latin America

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

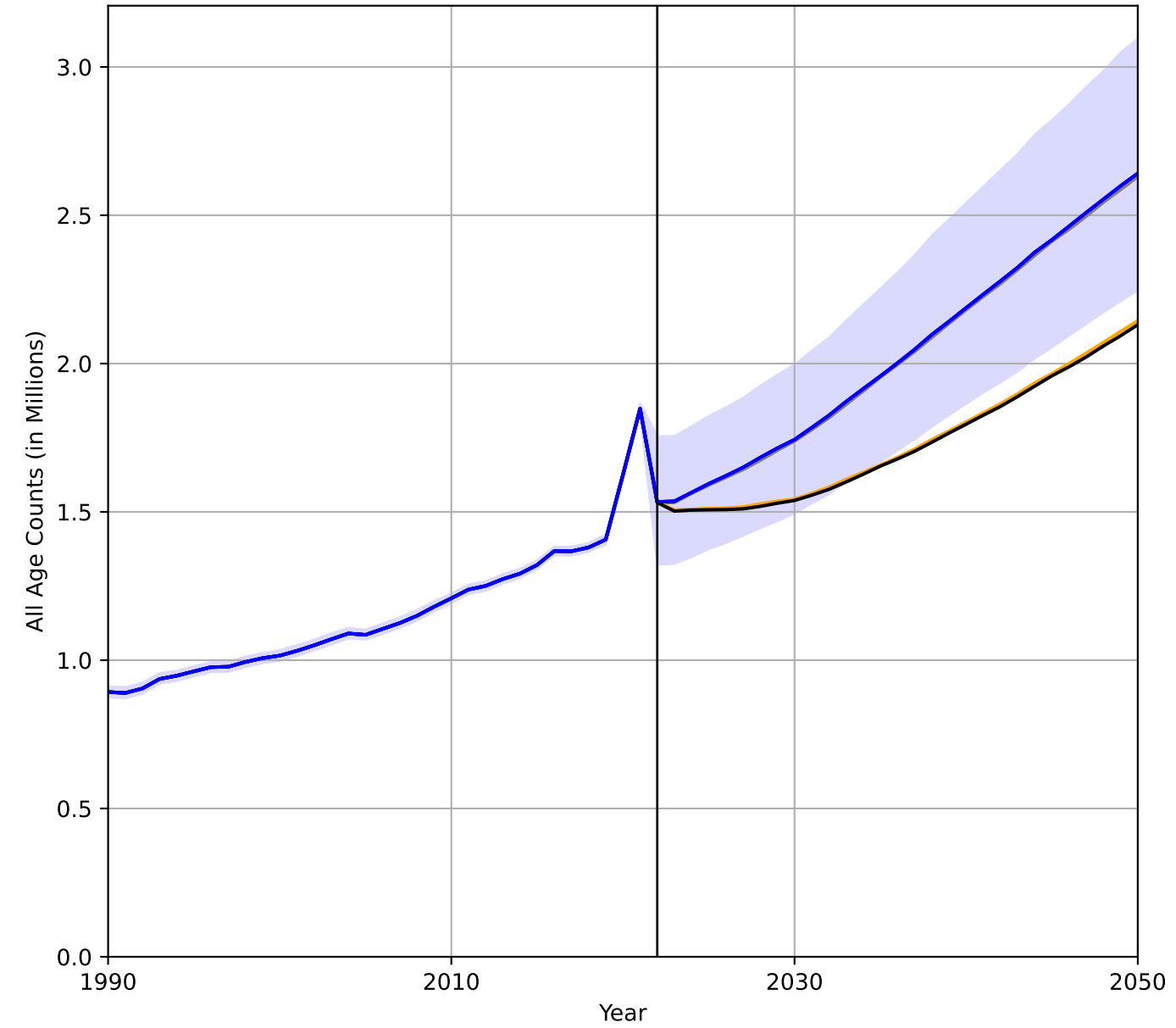
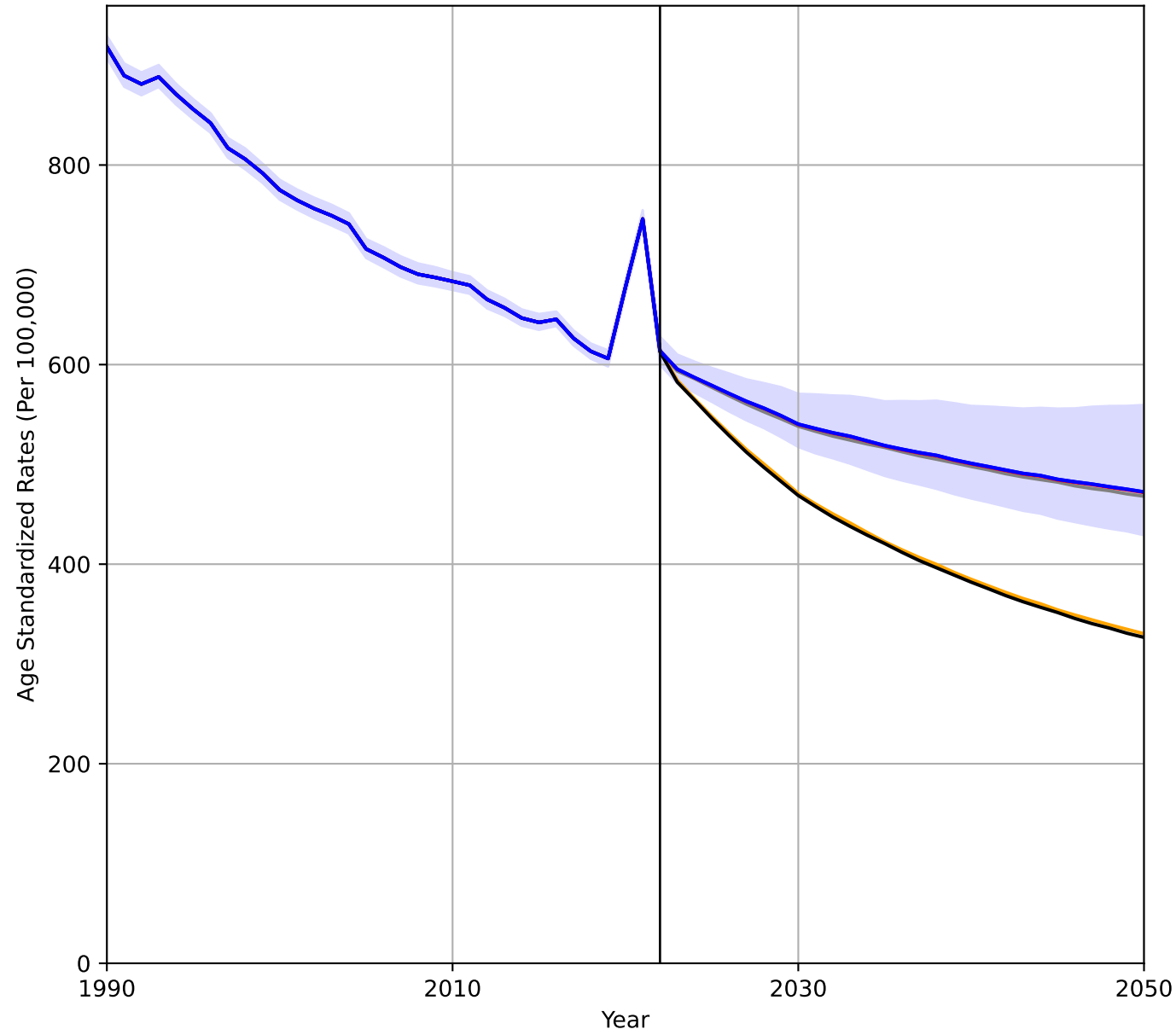
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# Tropical Latin America

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

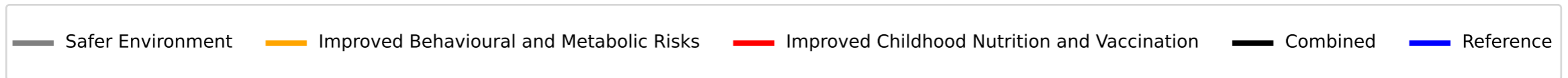
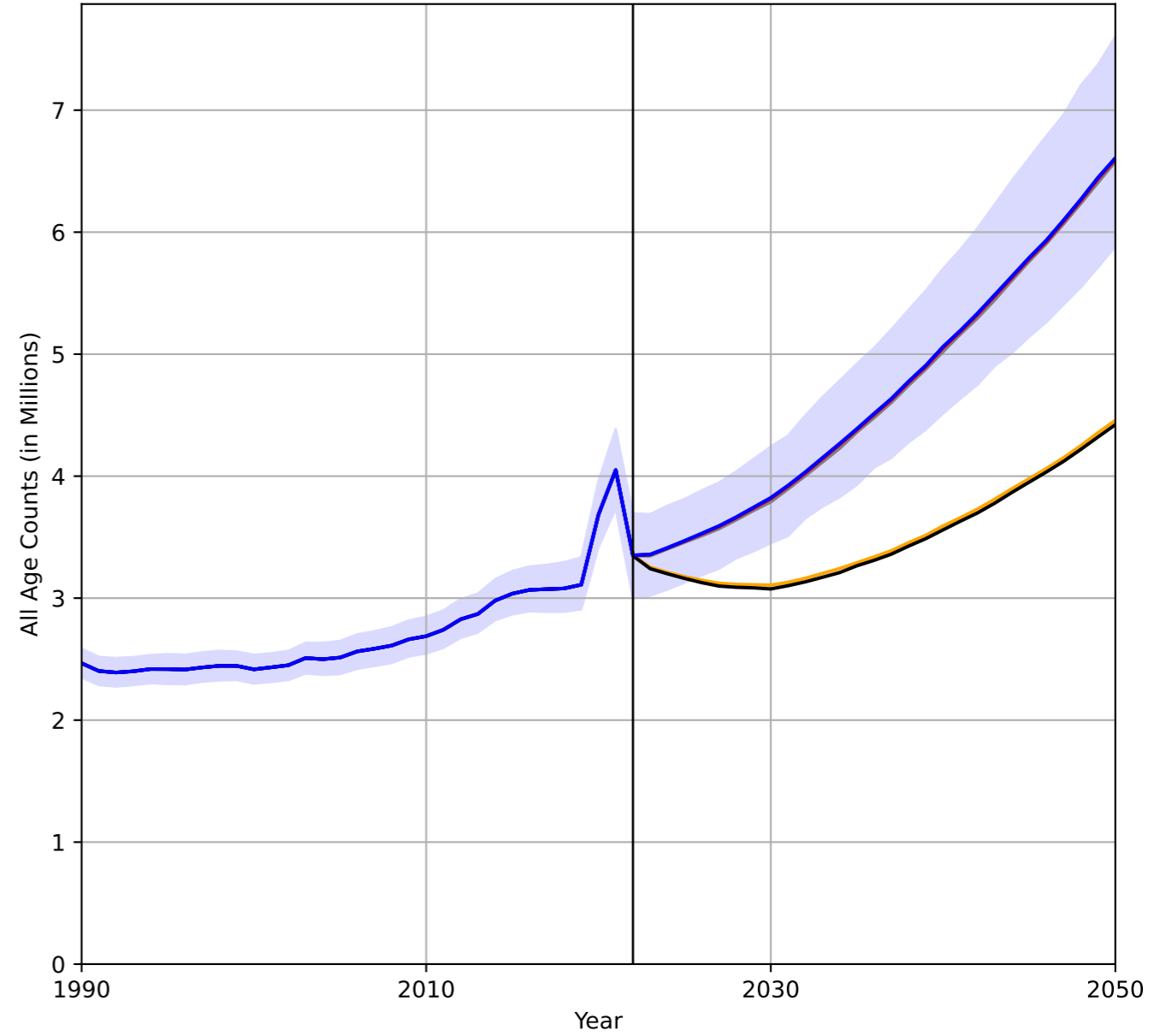
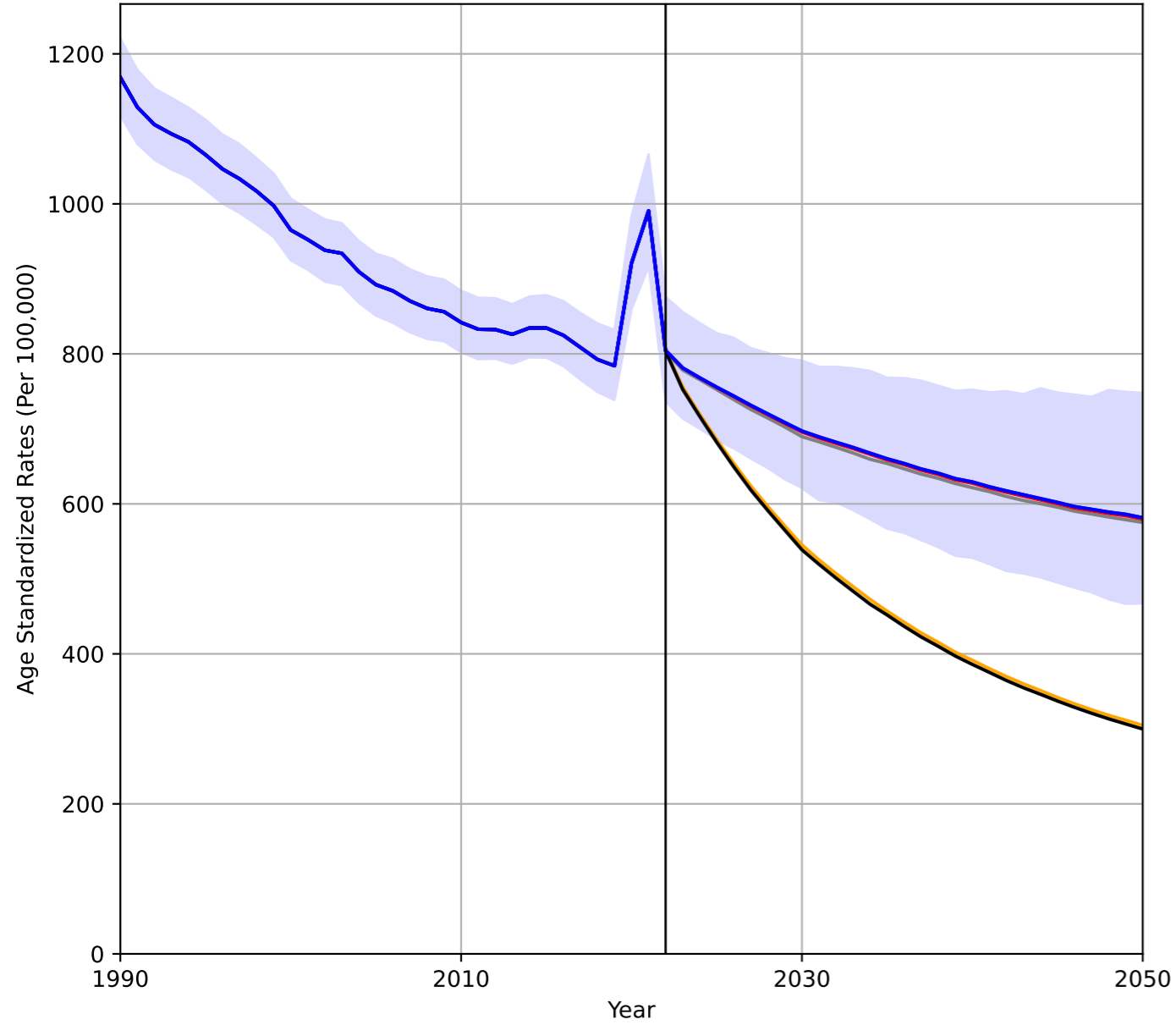
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# North Africa And Middle East

1868

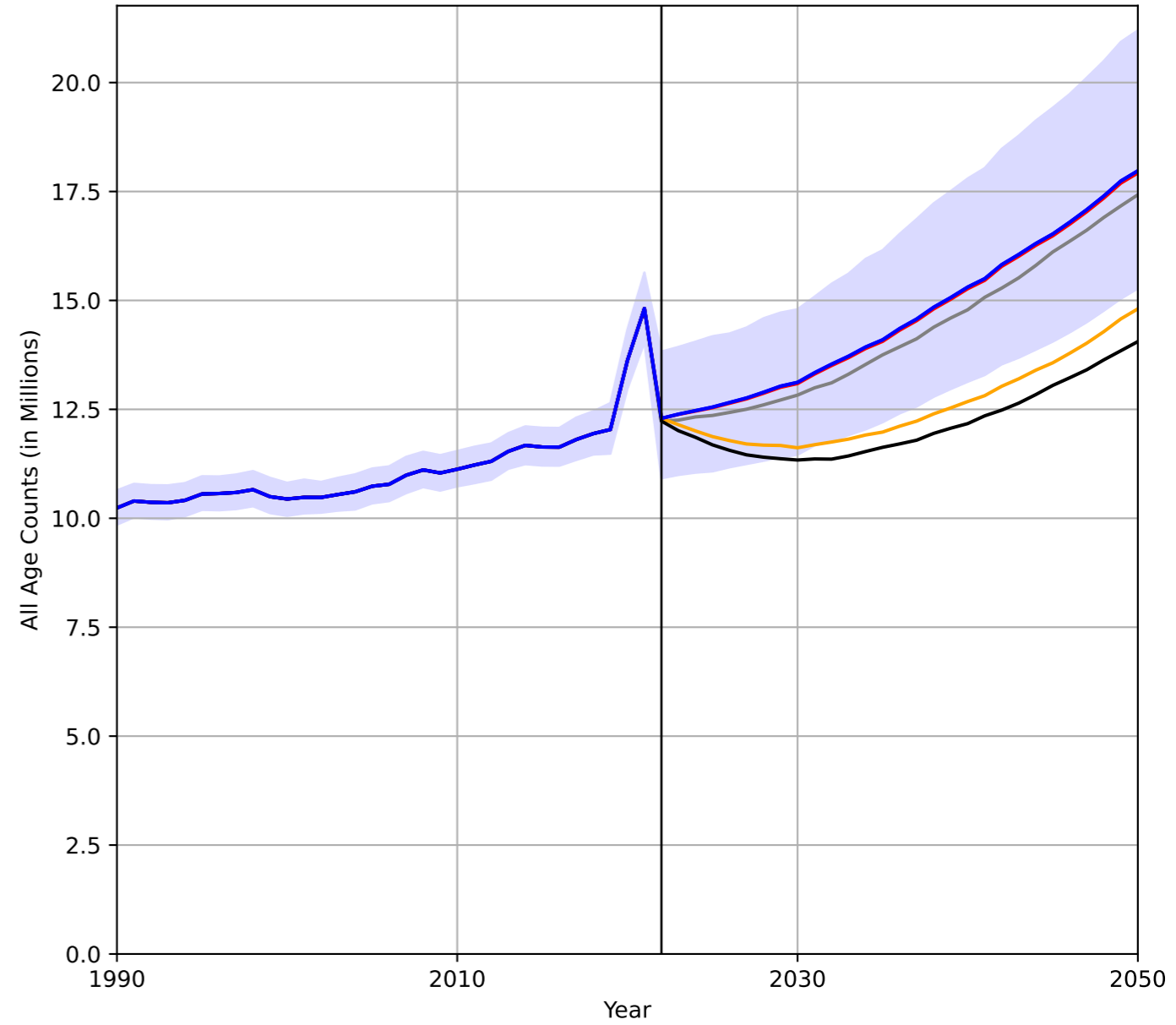
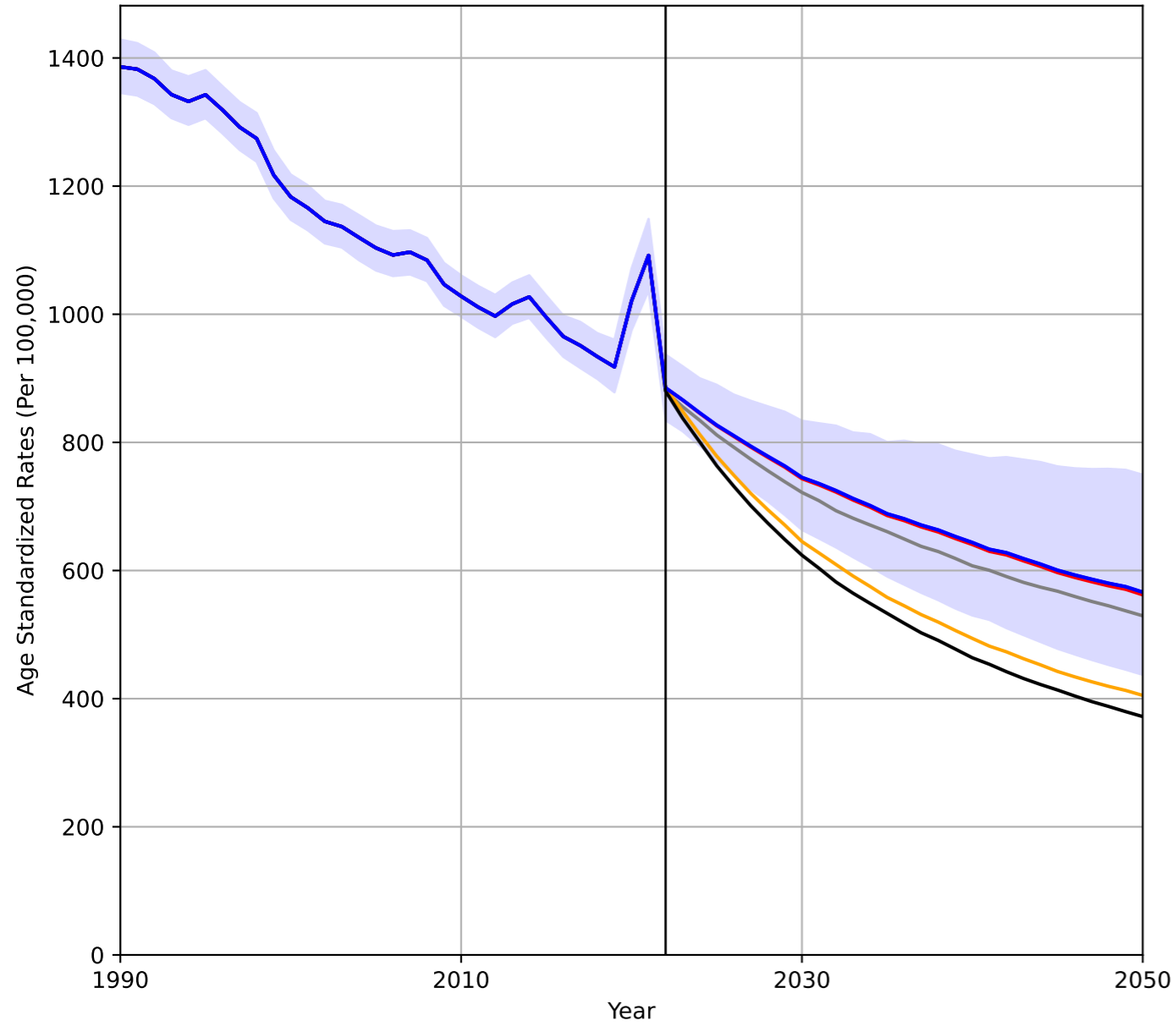
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



# South Asia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

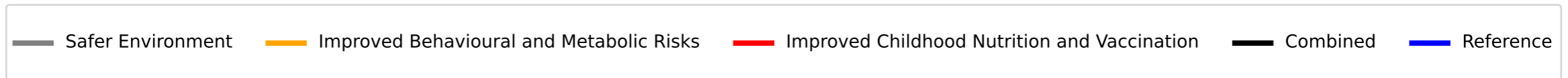
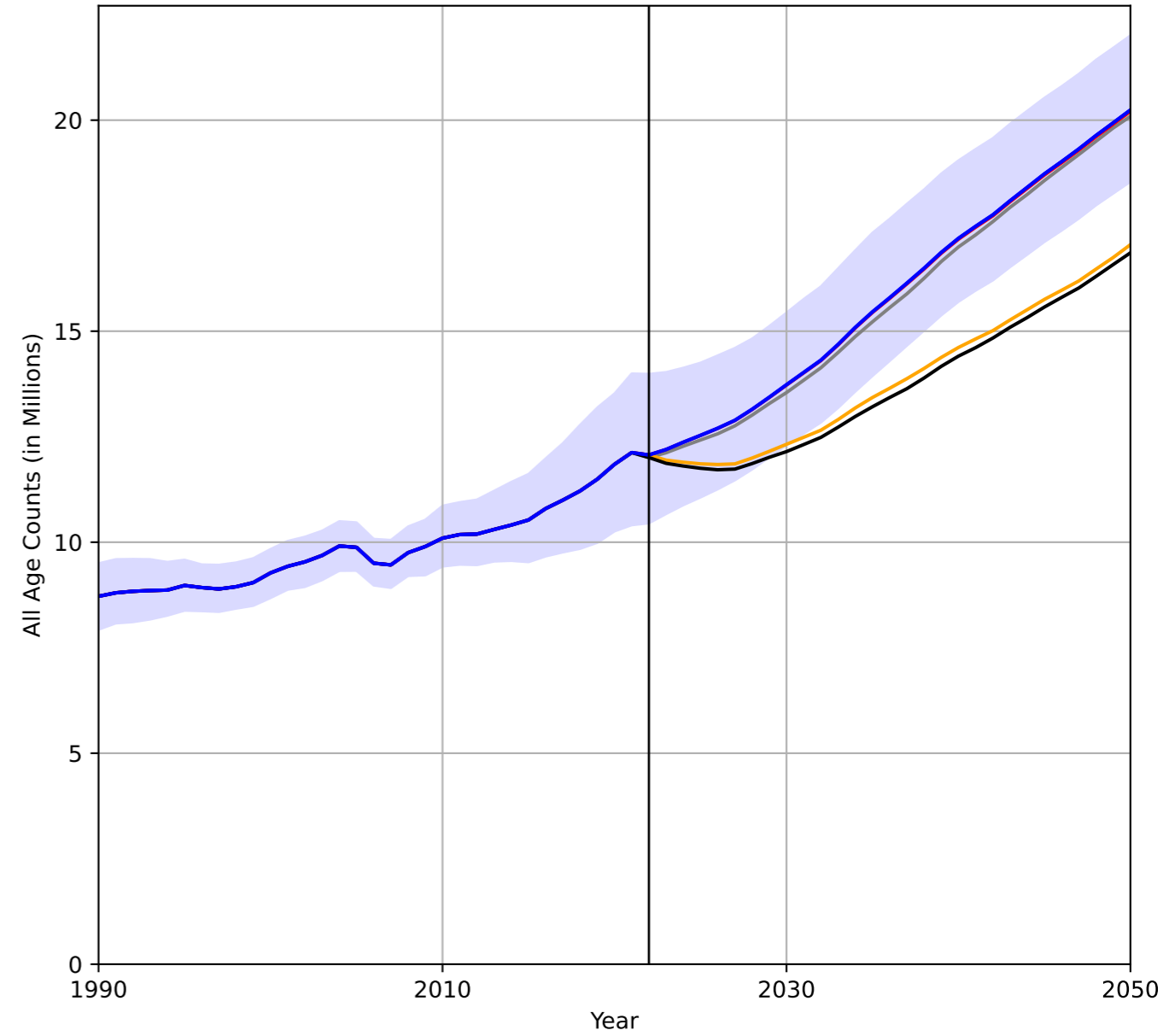
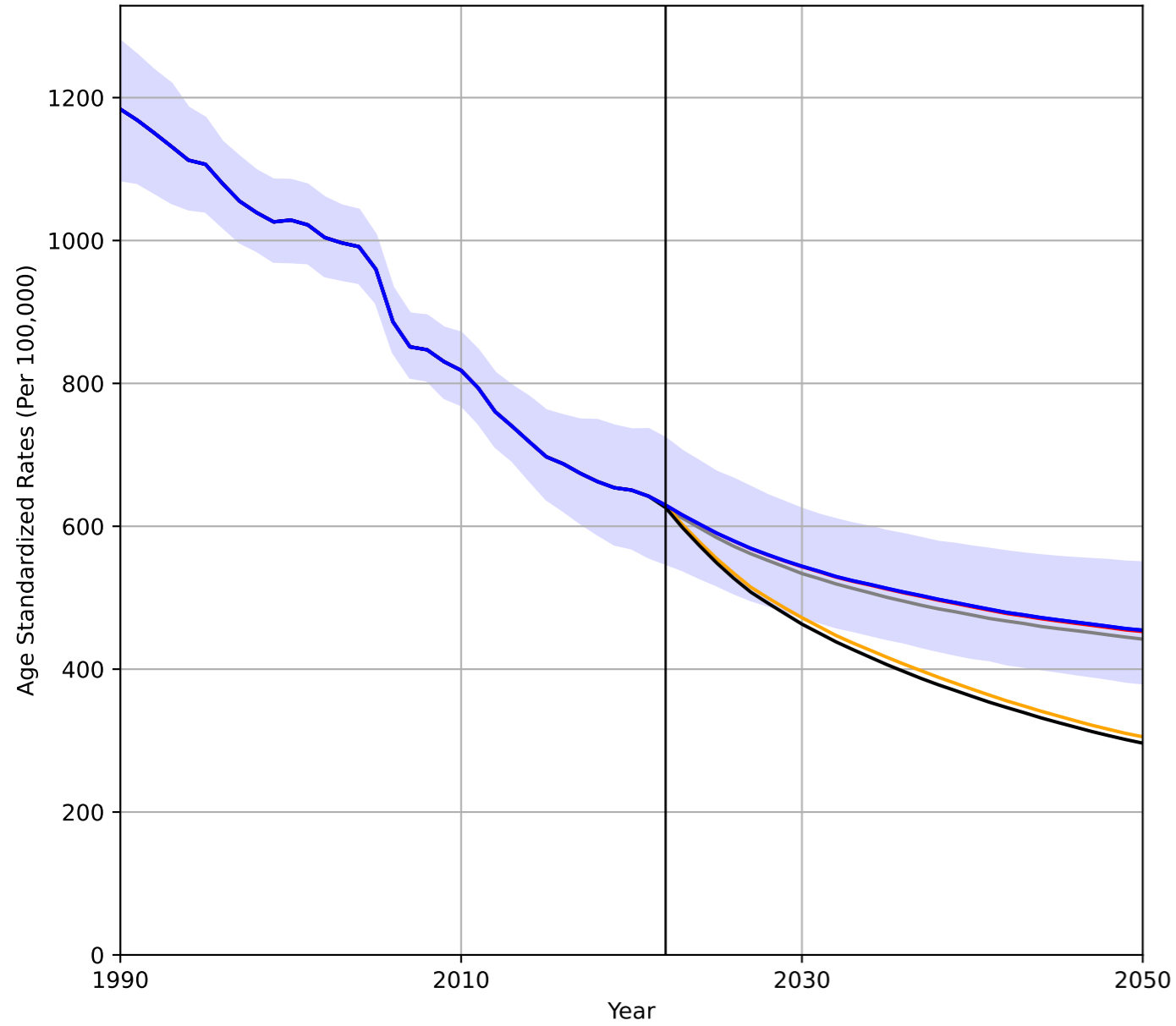
1869



# East Asia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

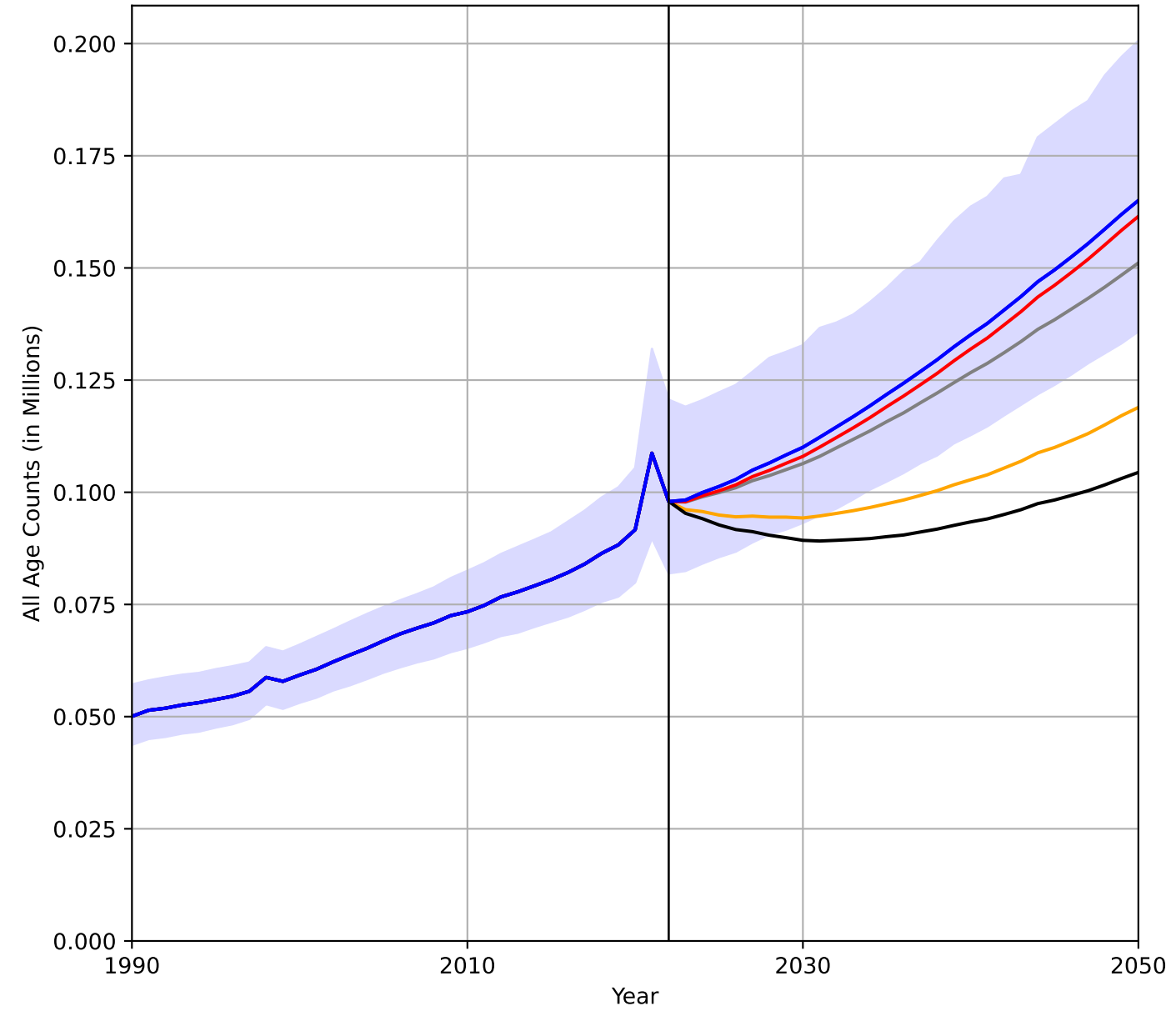
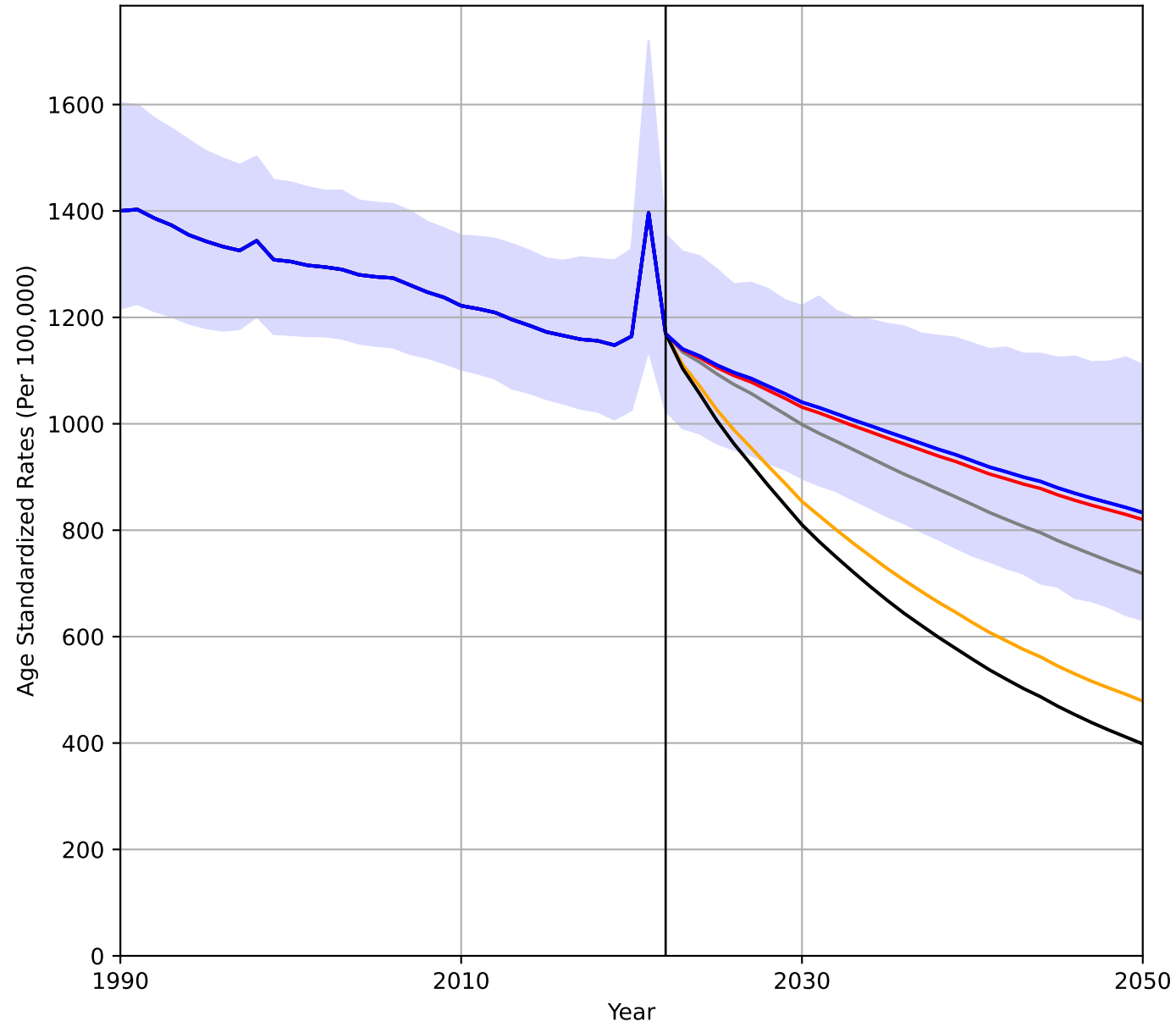
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# Oceania

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1871

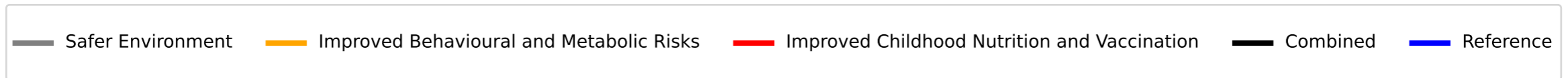
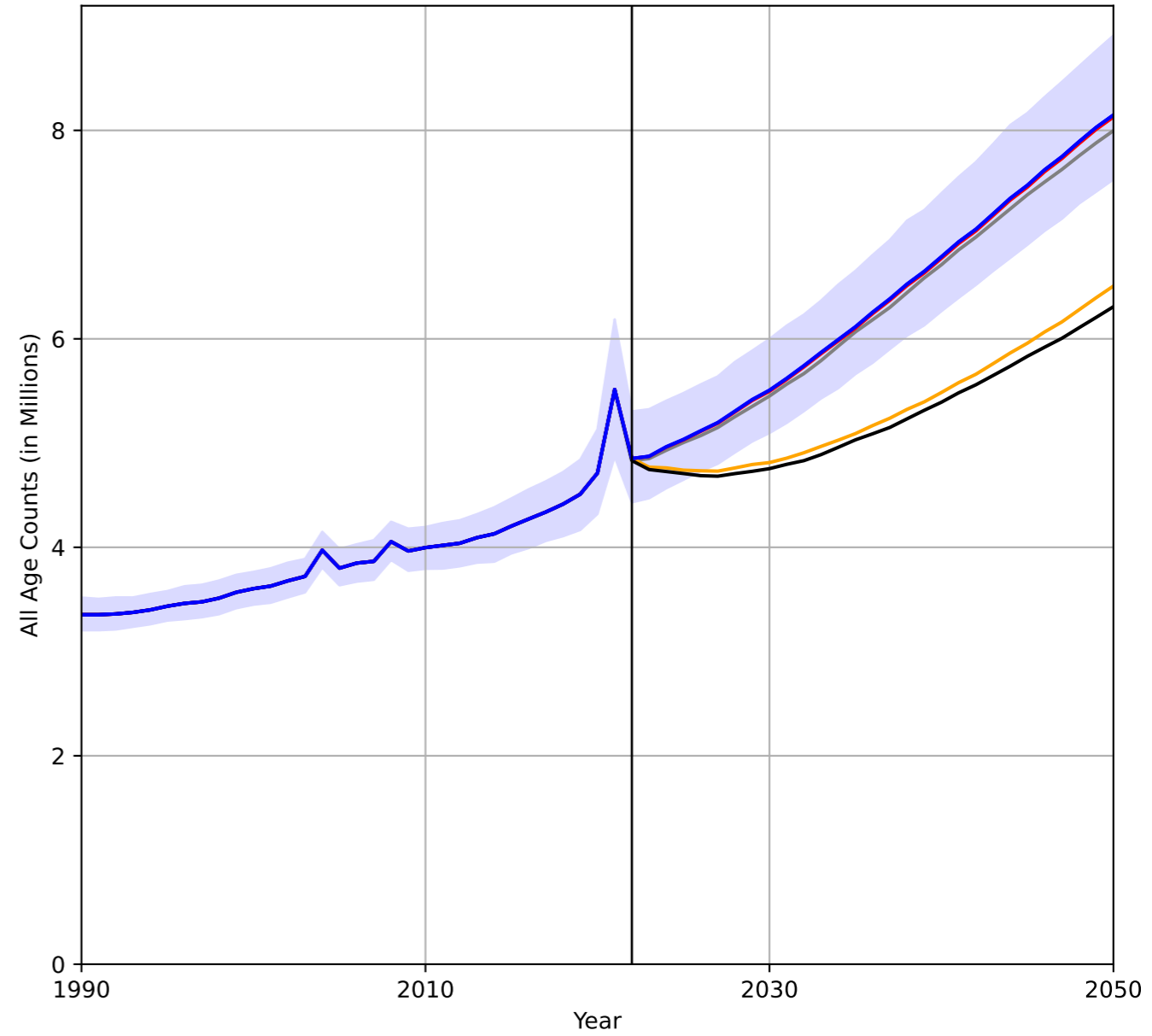
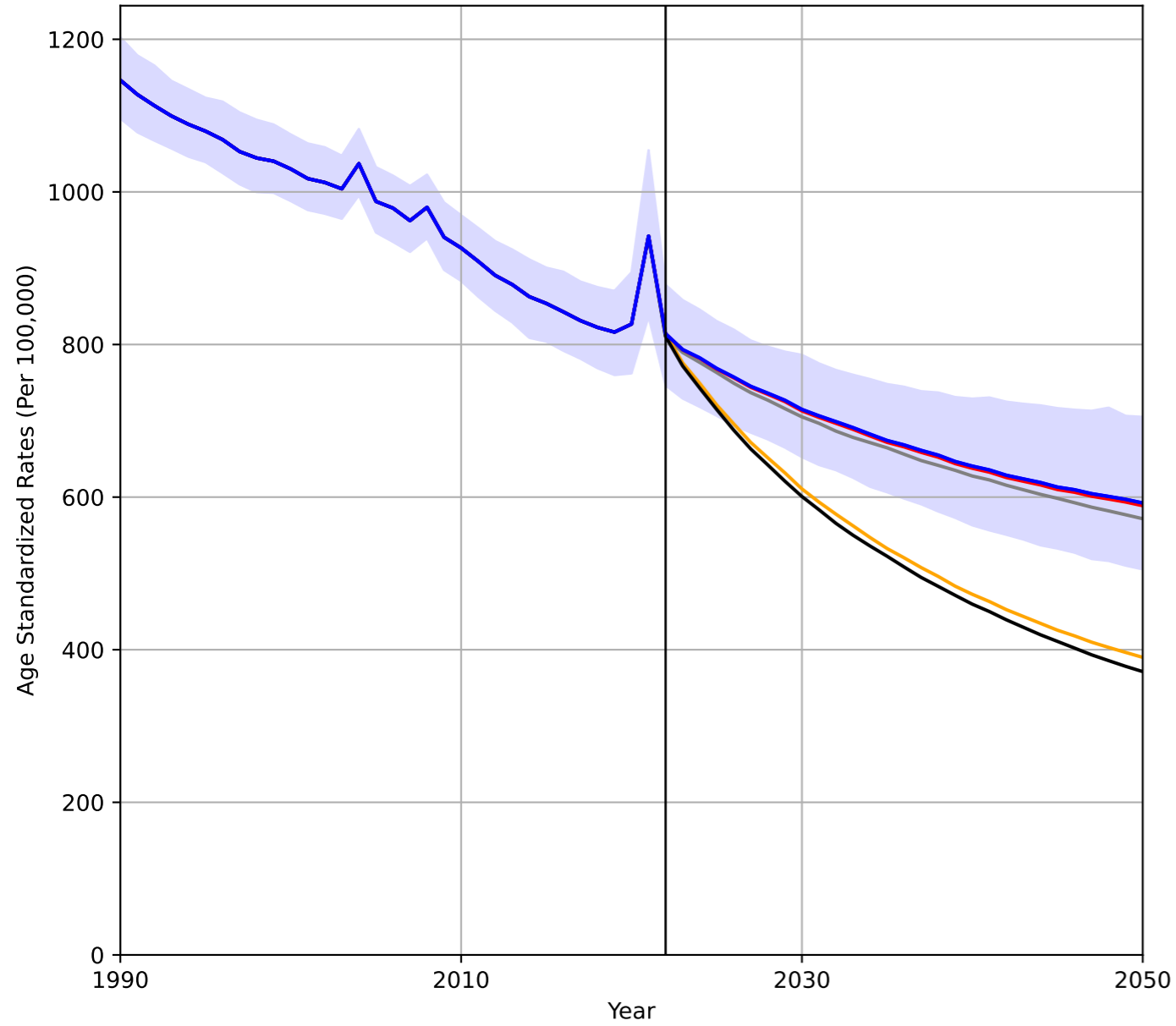




# Southeast Asia

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

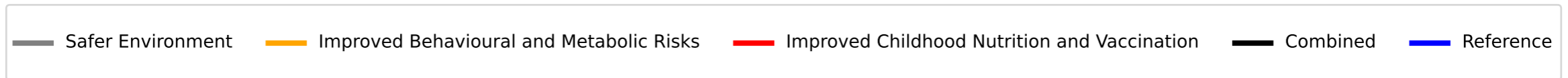
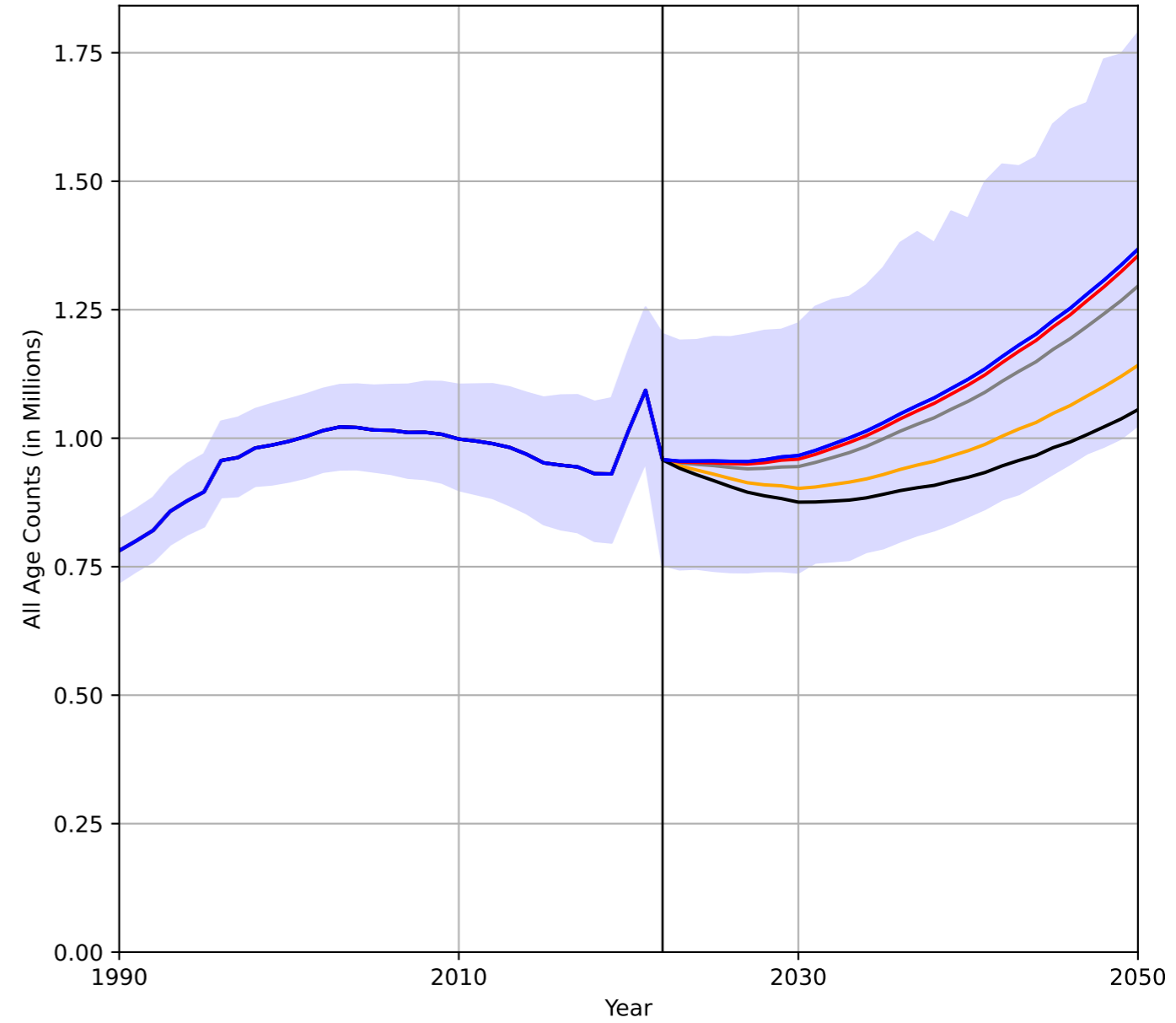
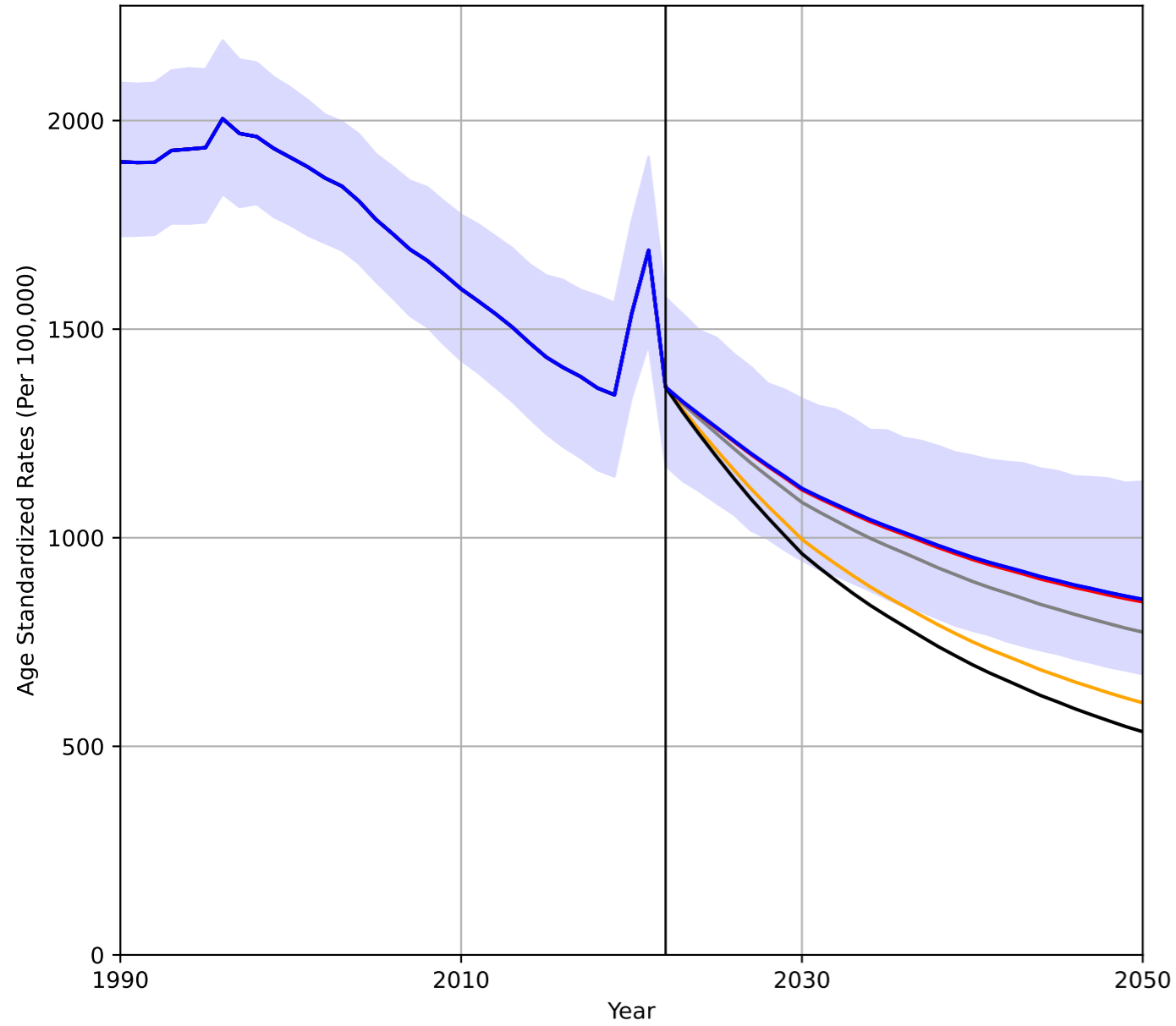
1872



# Central Sub-Saharan Africa

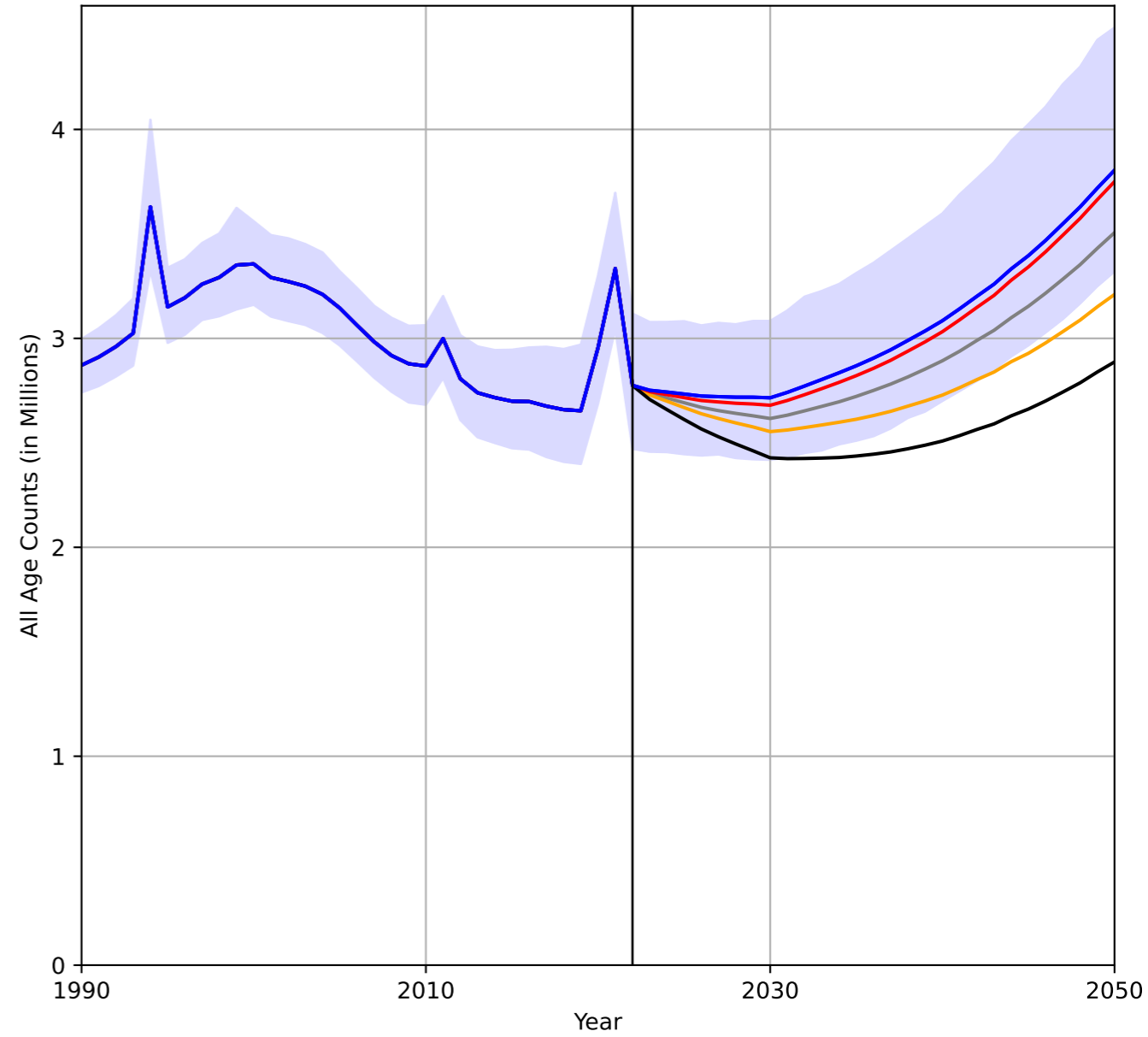
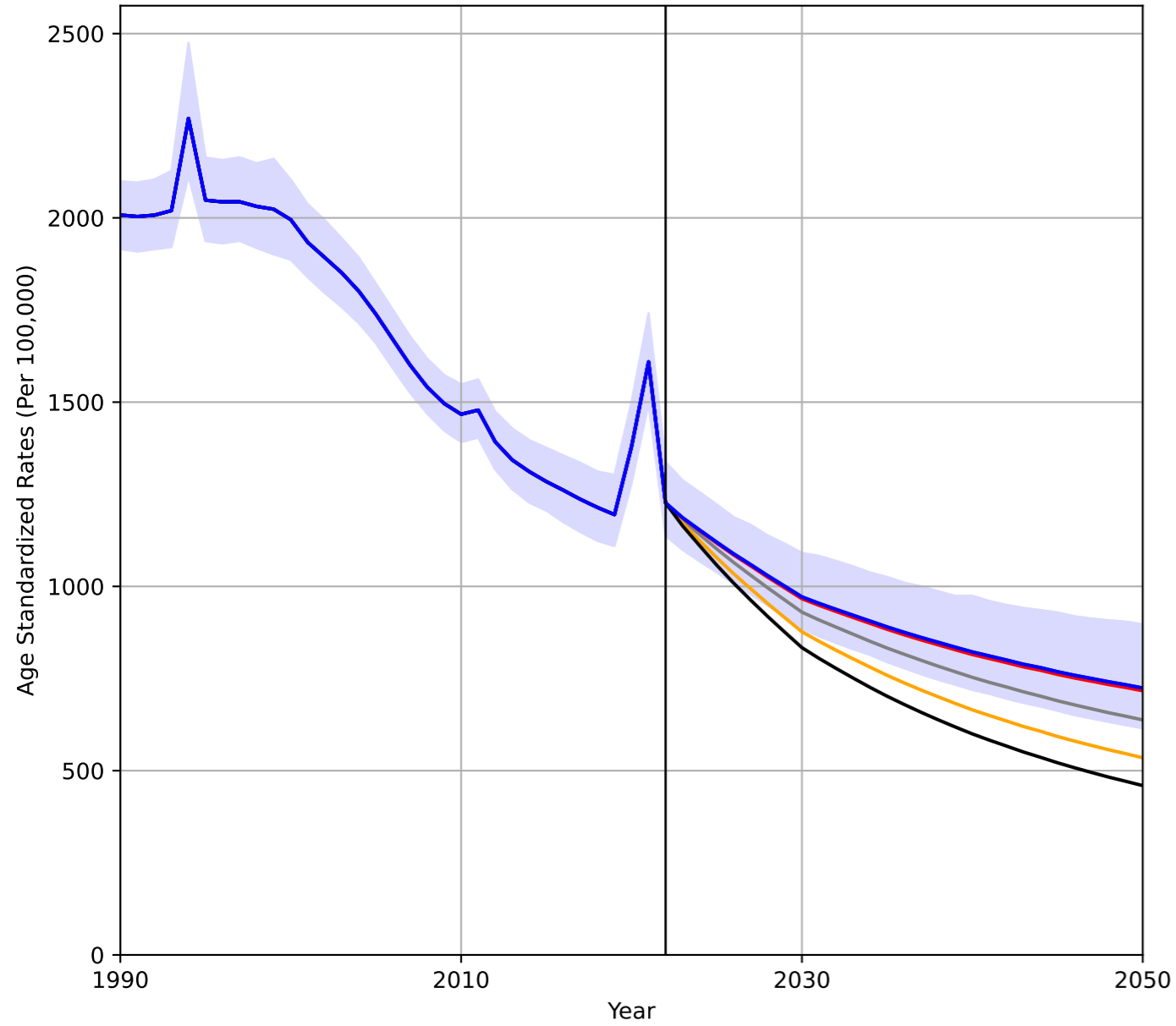
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

1873



# Eastern Sub-Saharan Africa

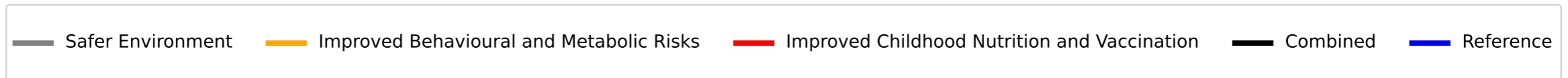
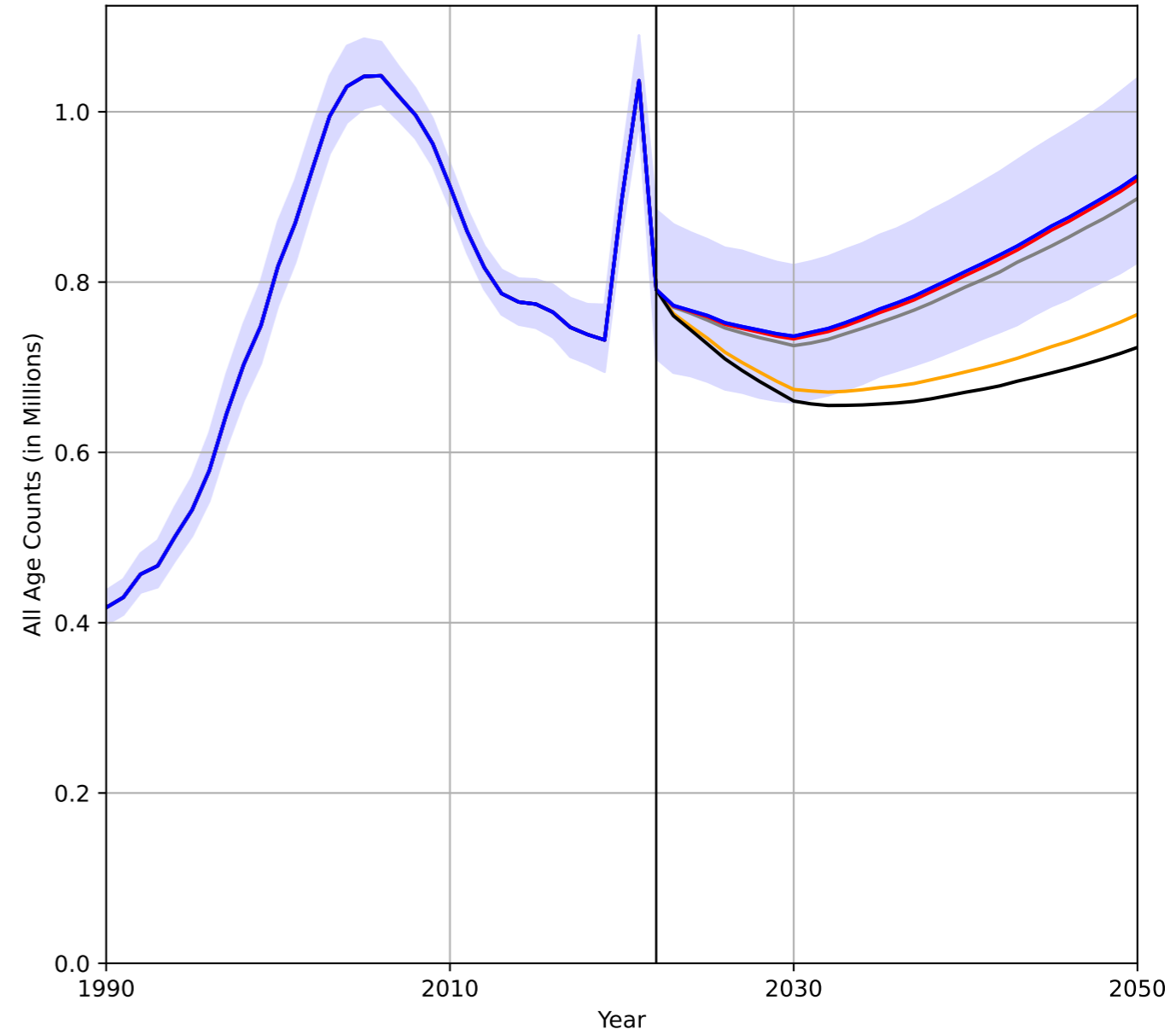
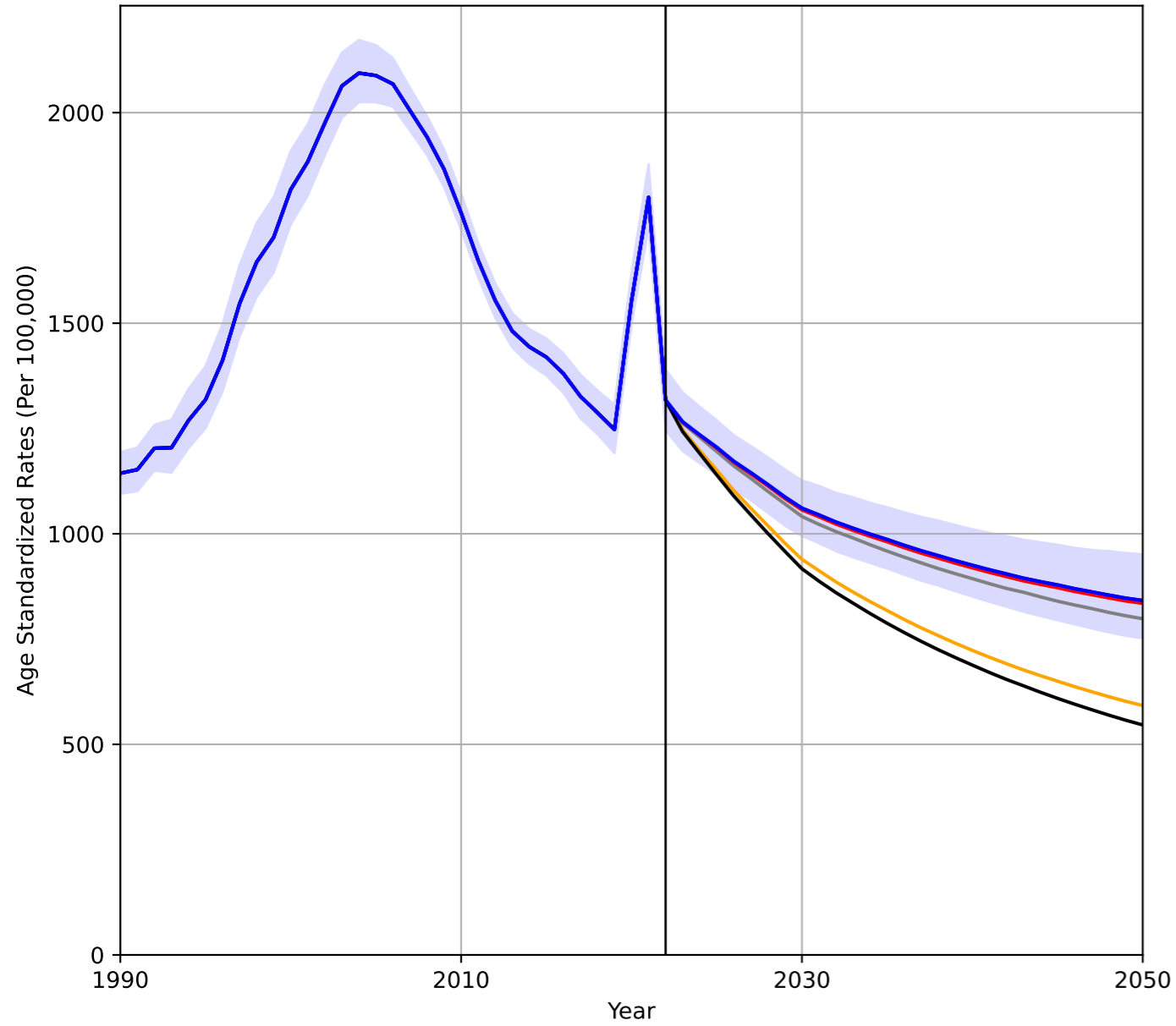
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



# Southern Sub-Saharan Africa

Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050

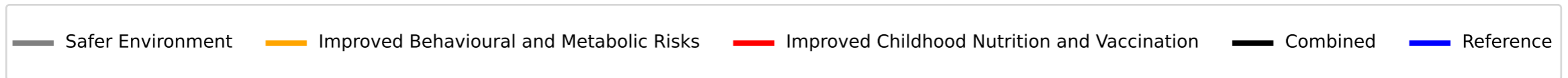
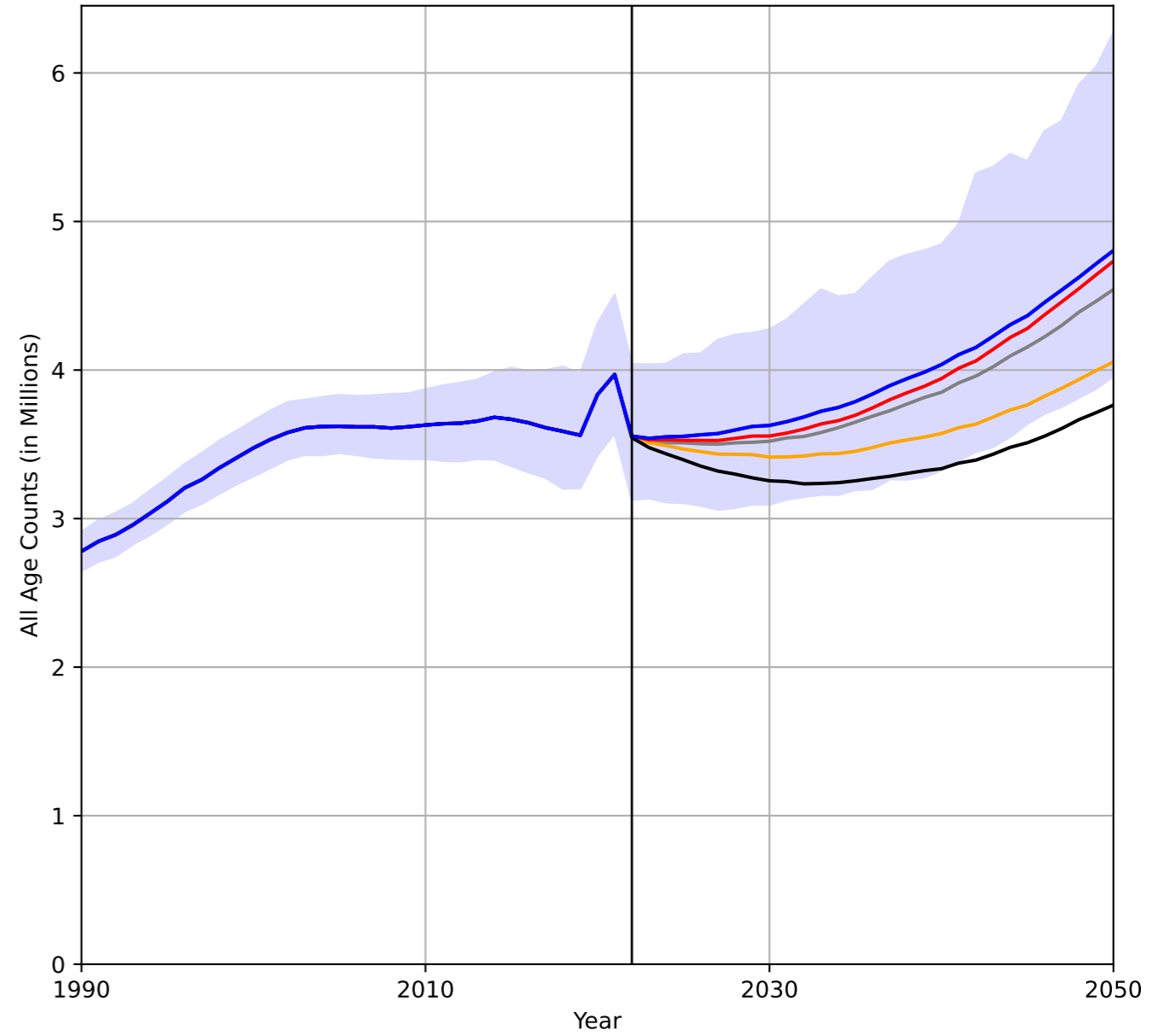
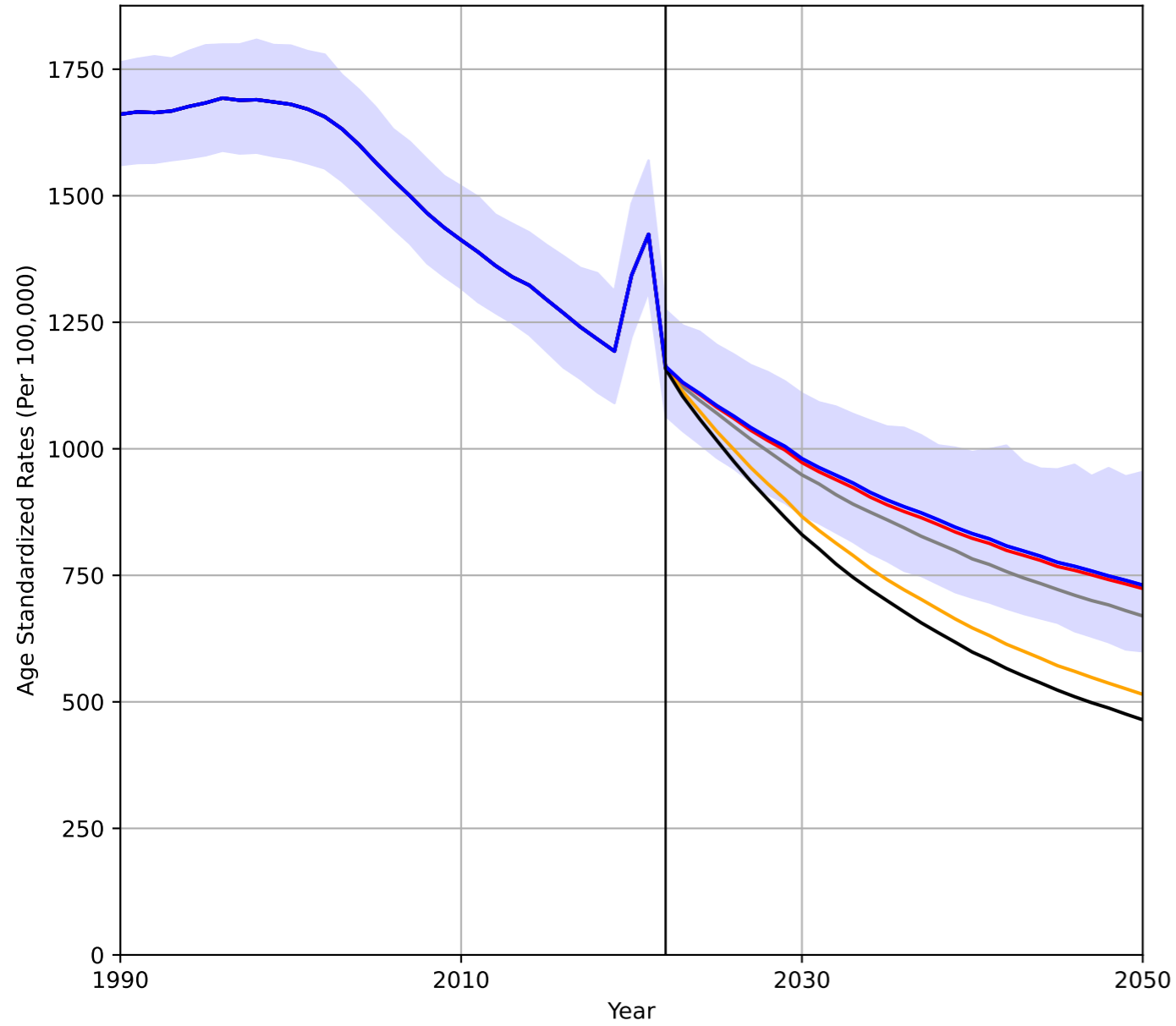
1875



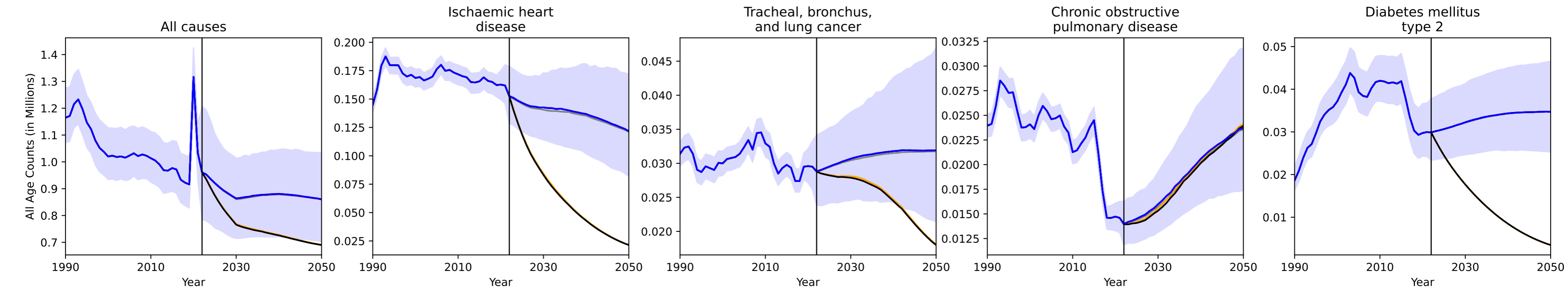
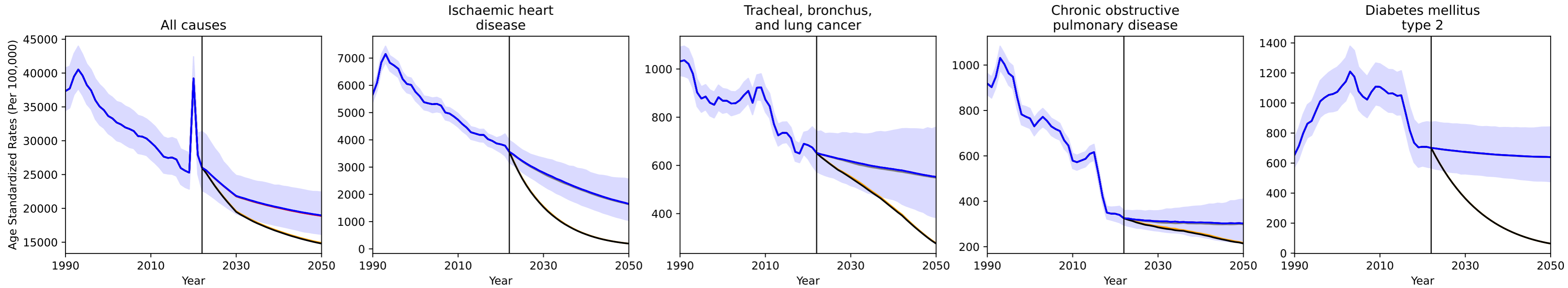
# Western Sub-Saharan Africa

1876

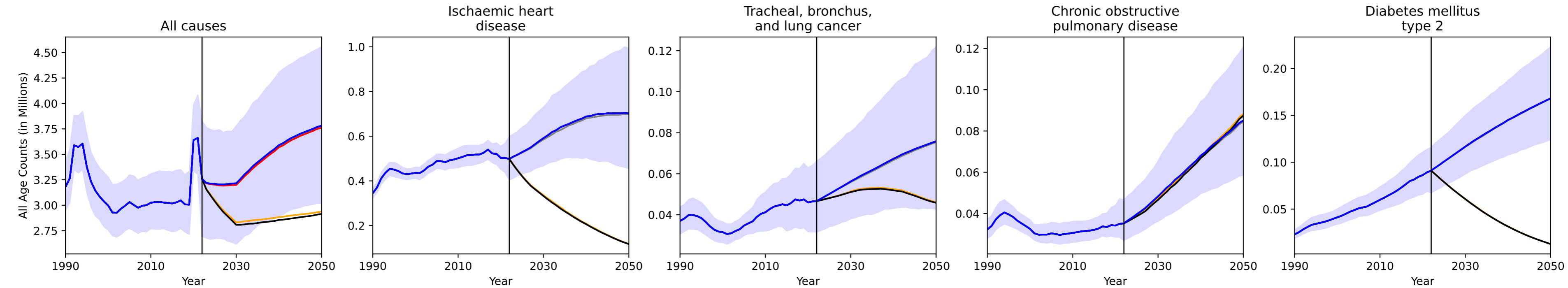
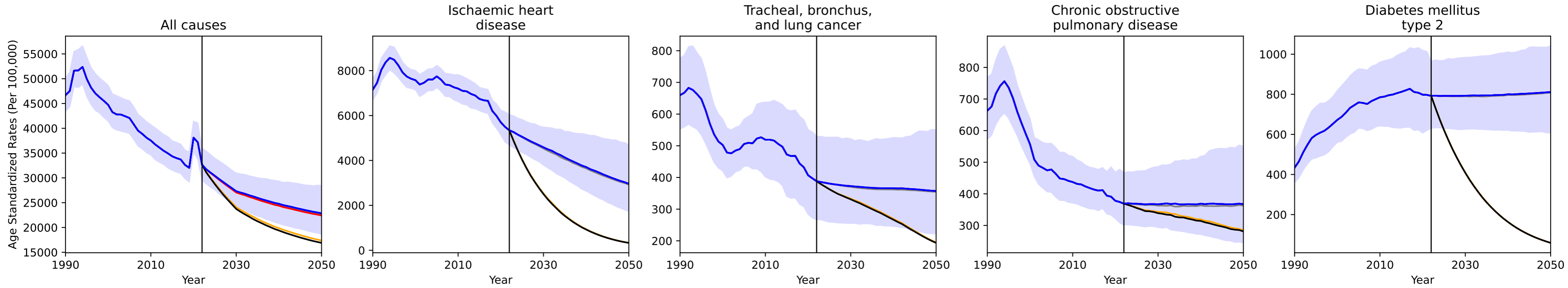
Supplemental Results Figure S11. All-cause age standardised death rates (A) and all age death counts (B), for the past and for five future scenarios, 1990–2050



# Armenia

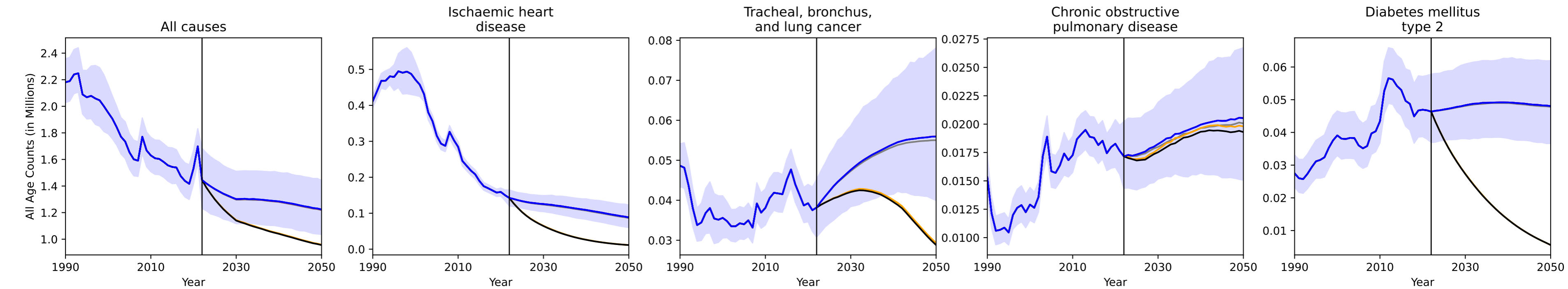
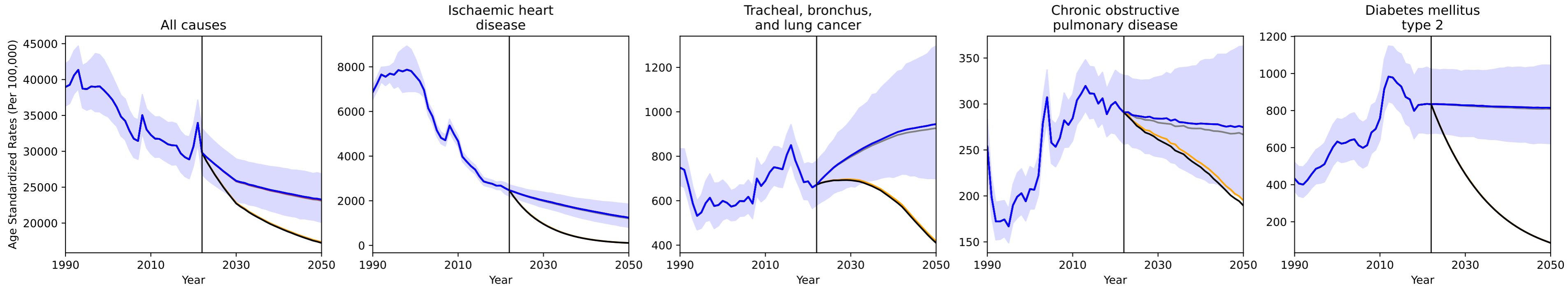


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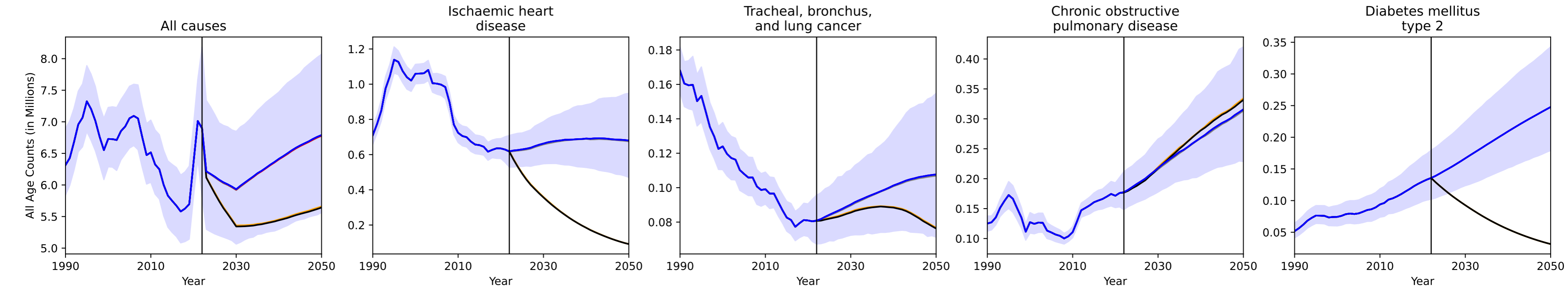
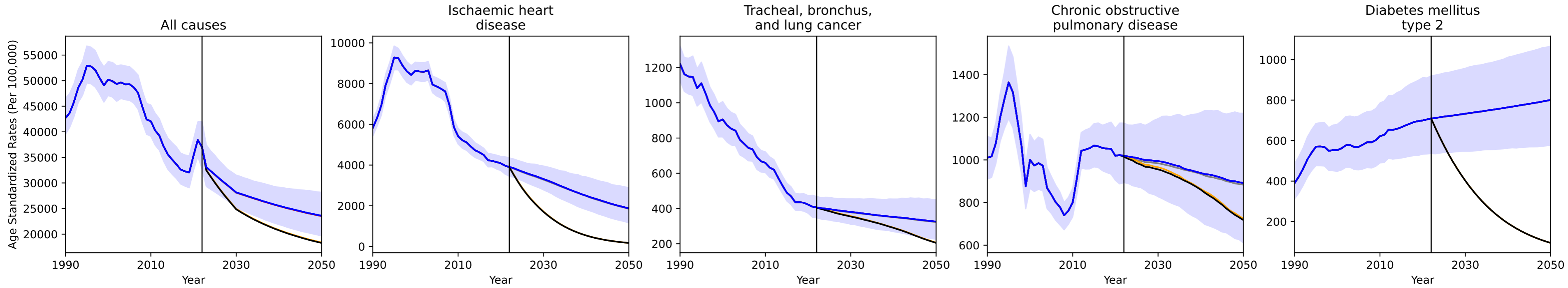
# Georgia

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

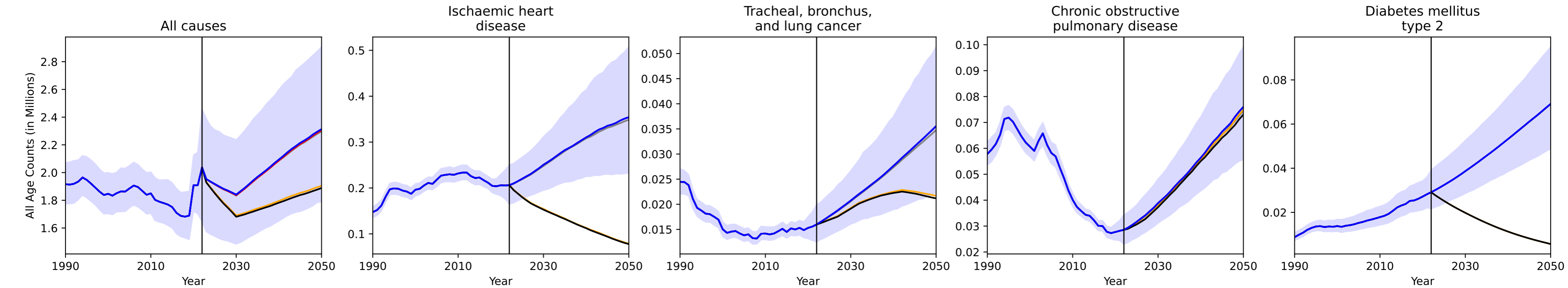
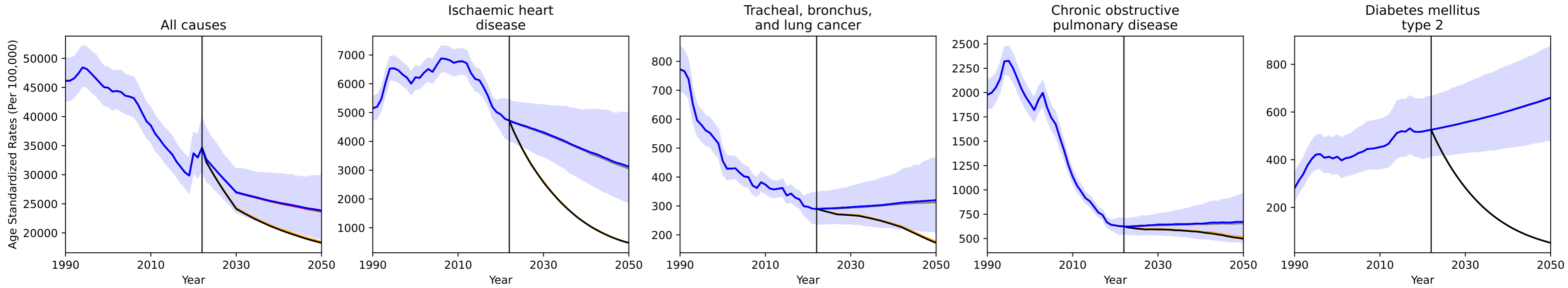




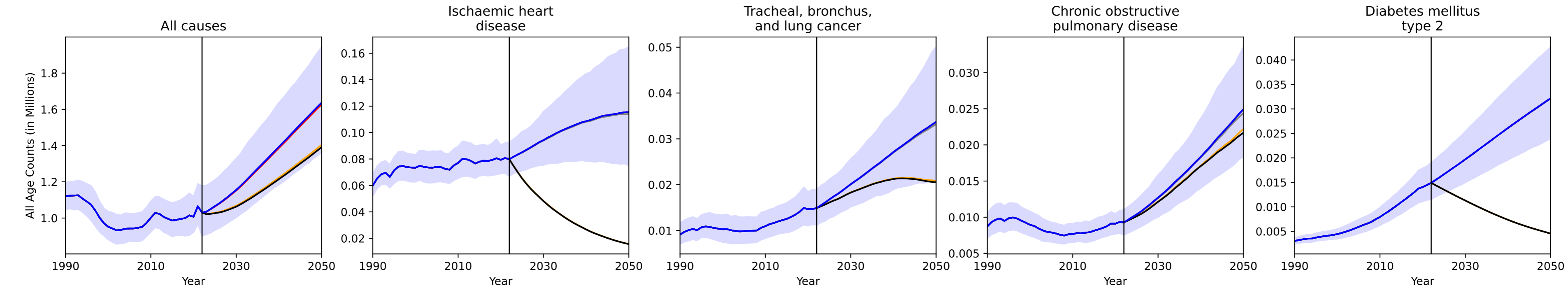
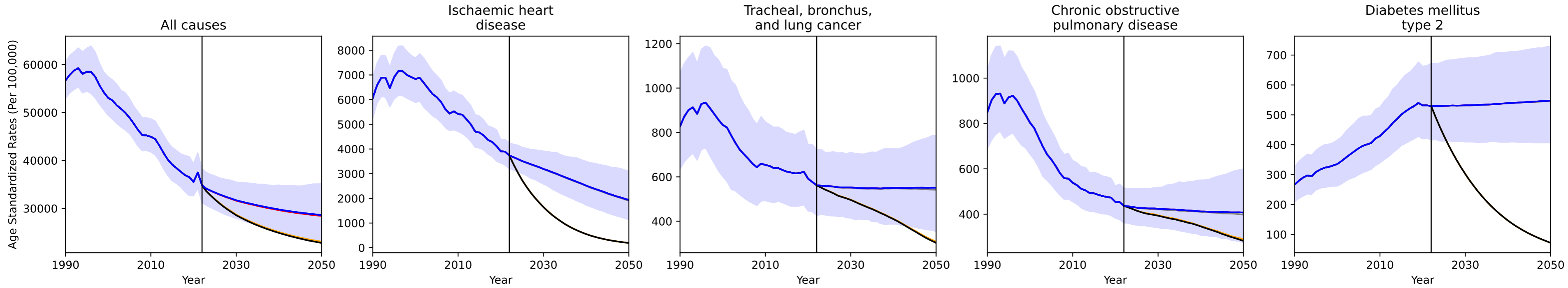
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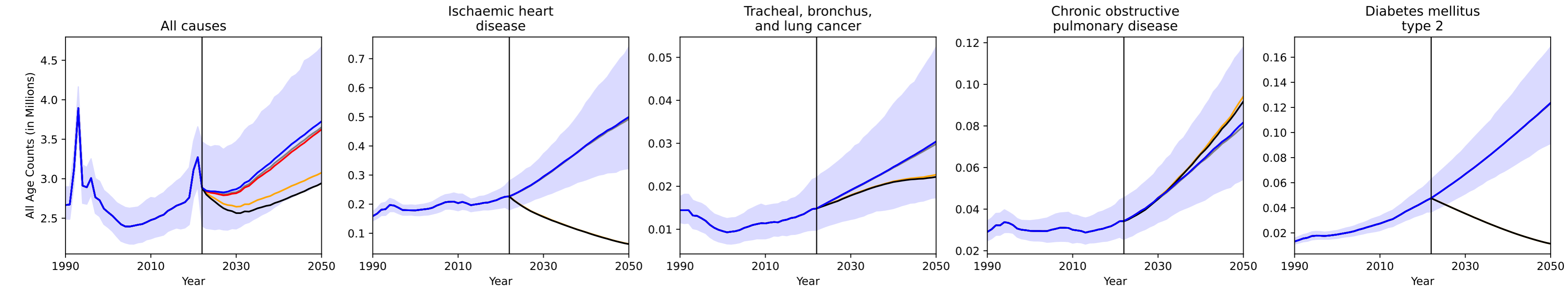
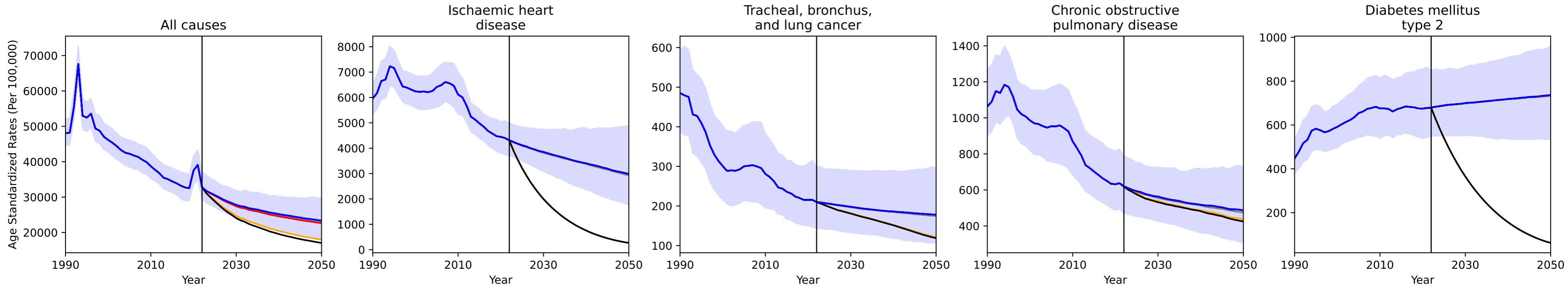
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# Mongolia

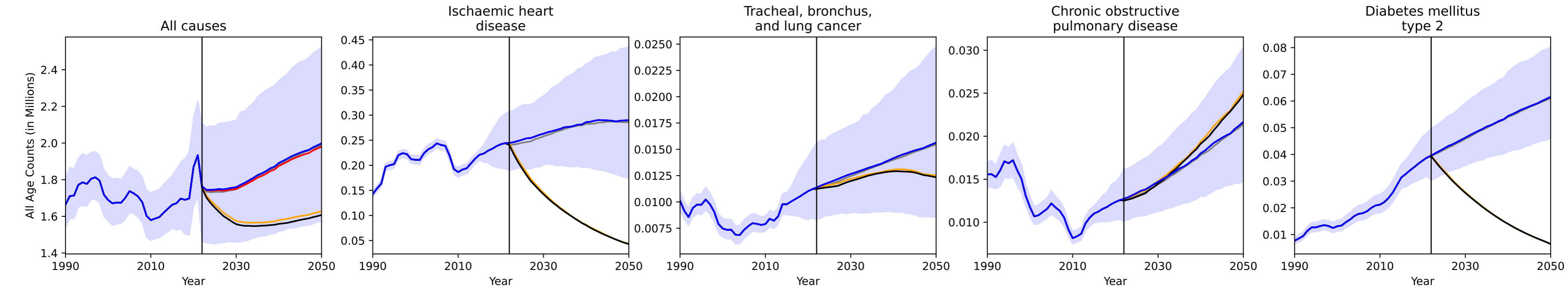
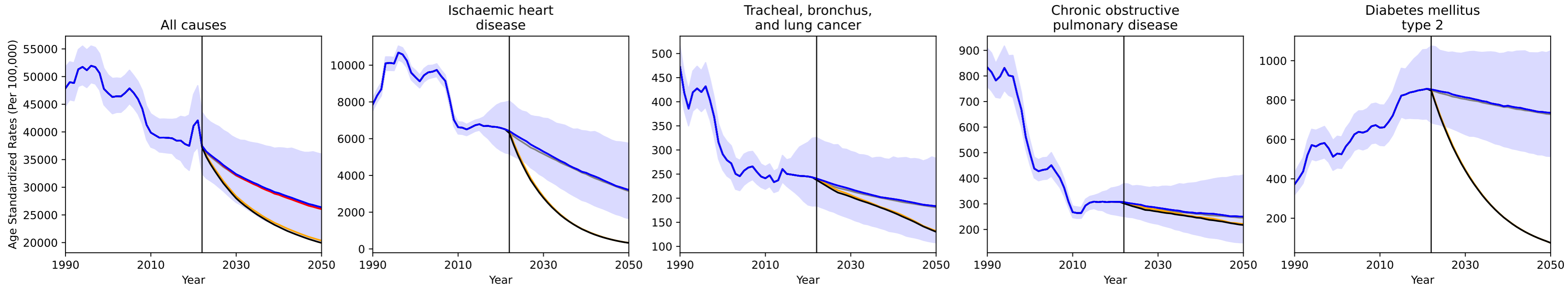


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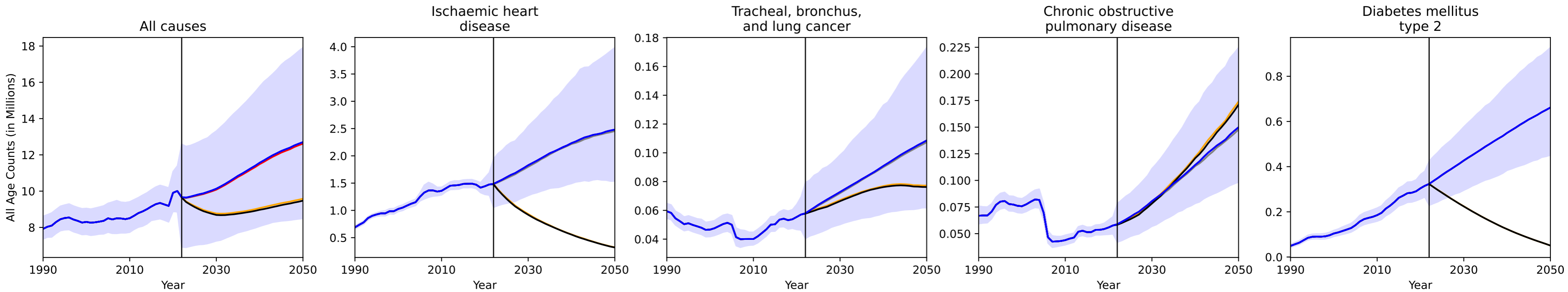
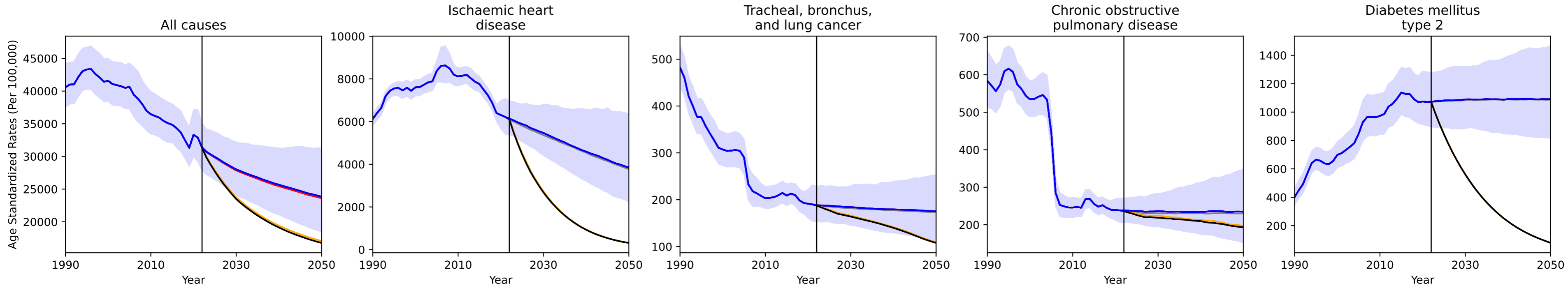


# Turkmenistan

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

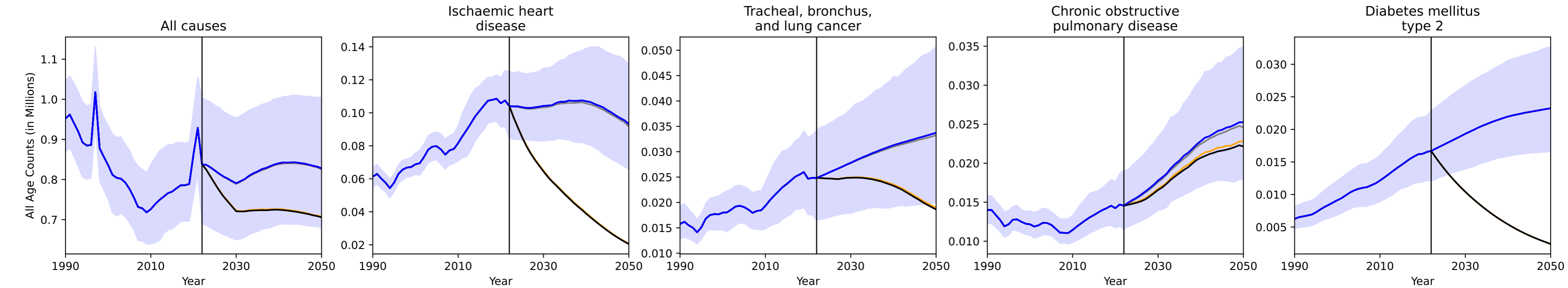
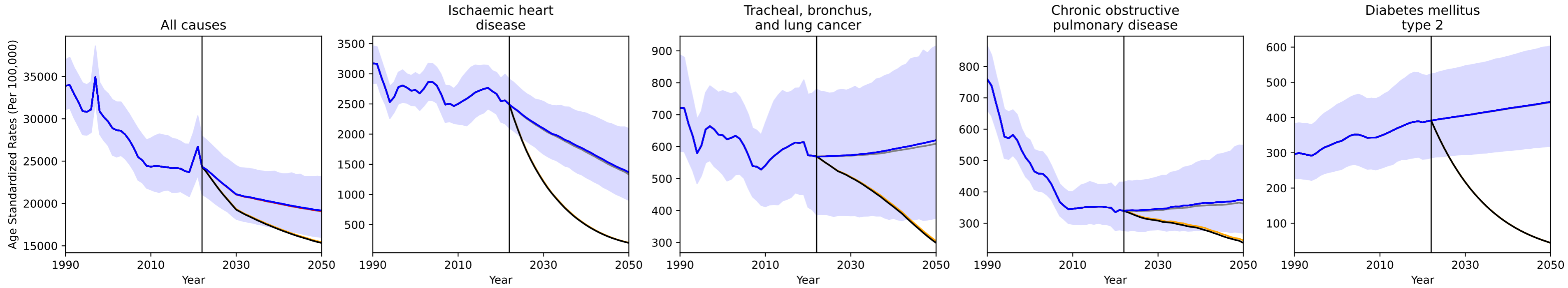


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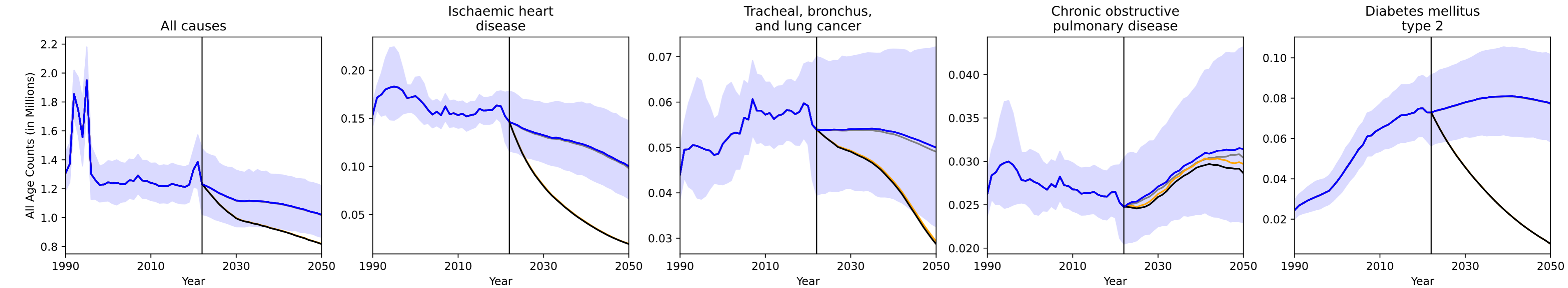
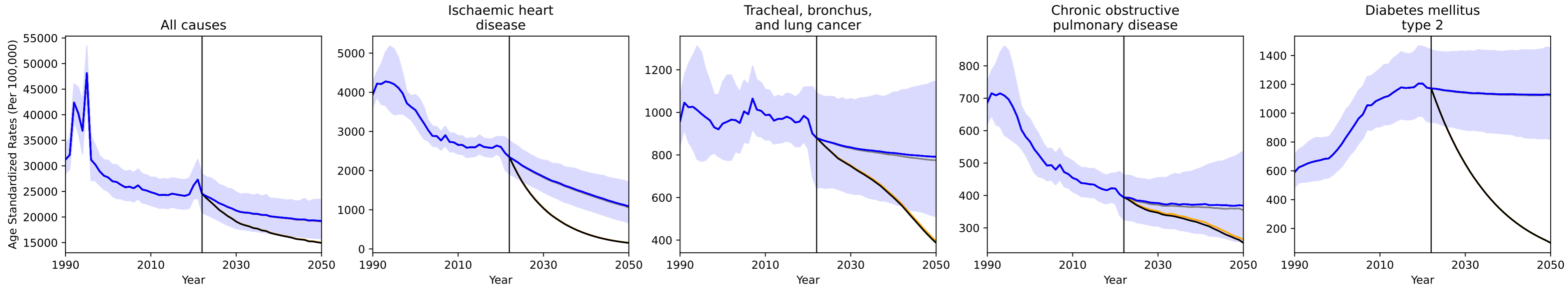


# Albania

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

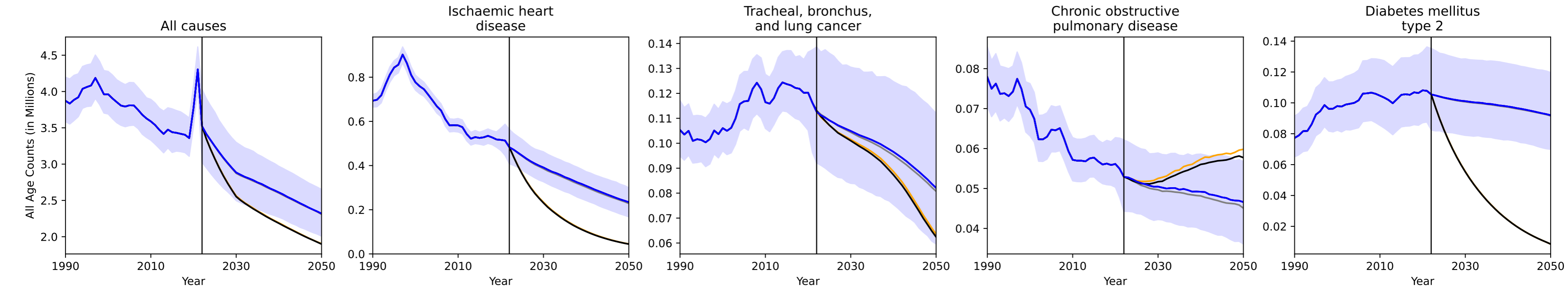
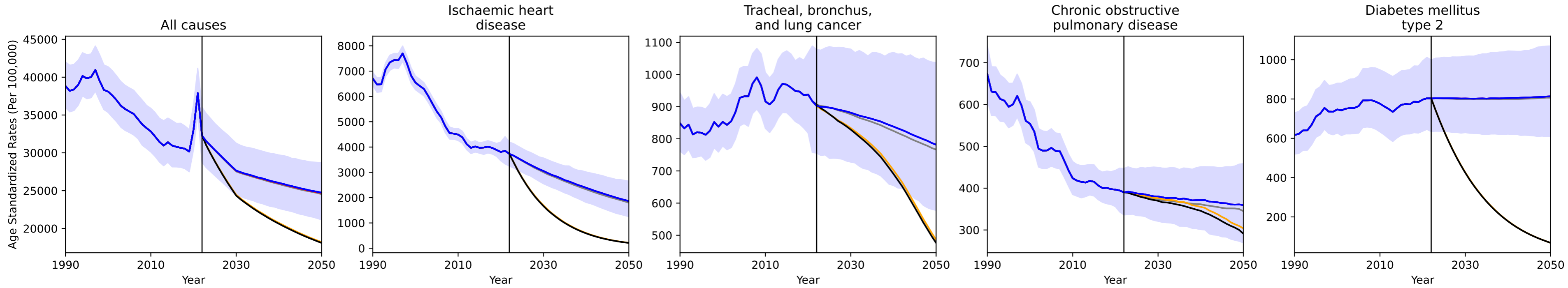


# Bosnia And Herzegovina



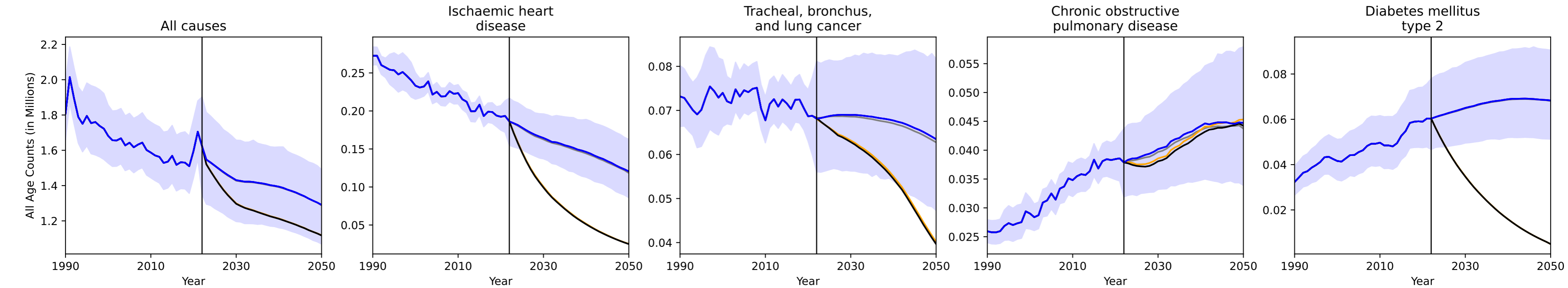
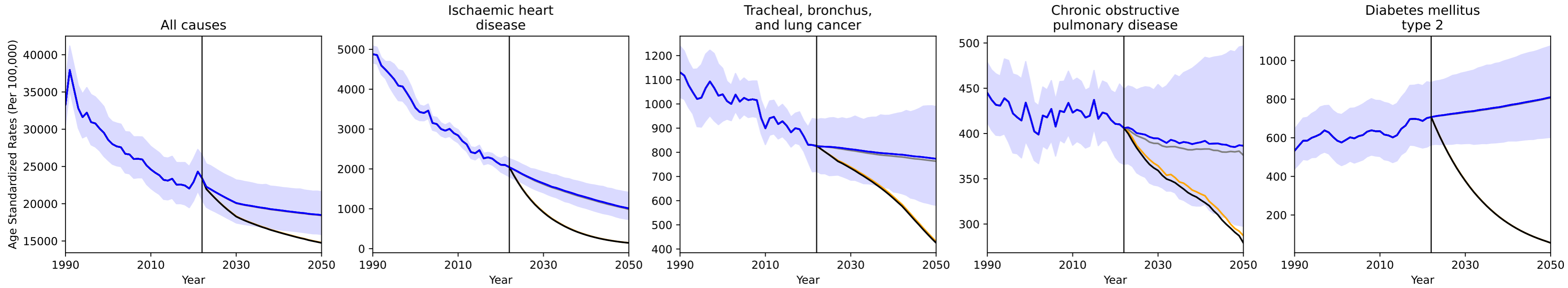


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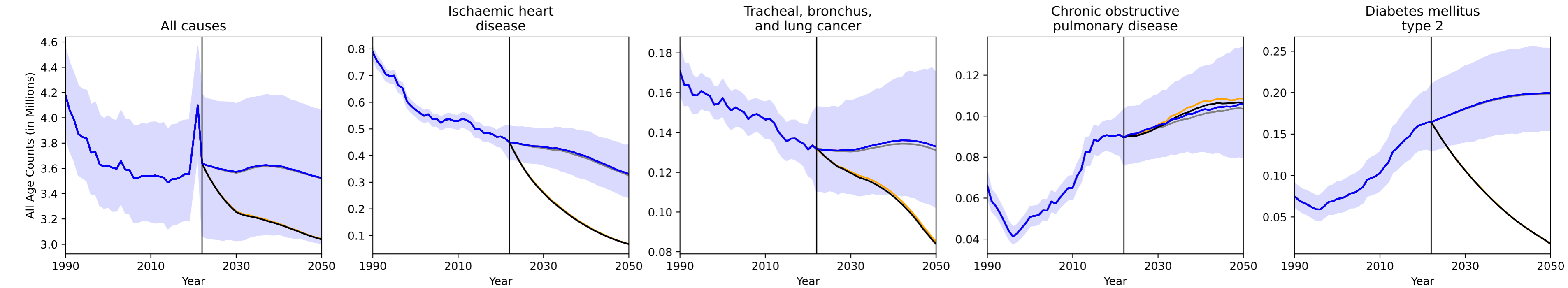
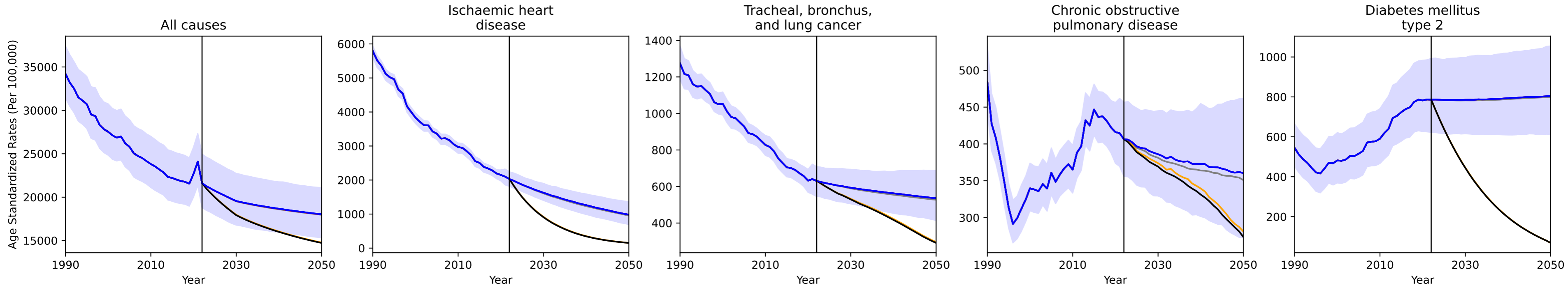
# Croatia

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

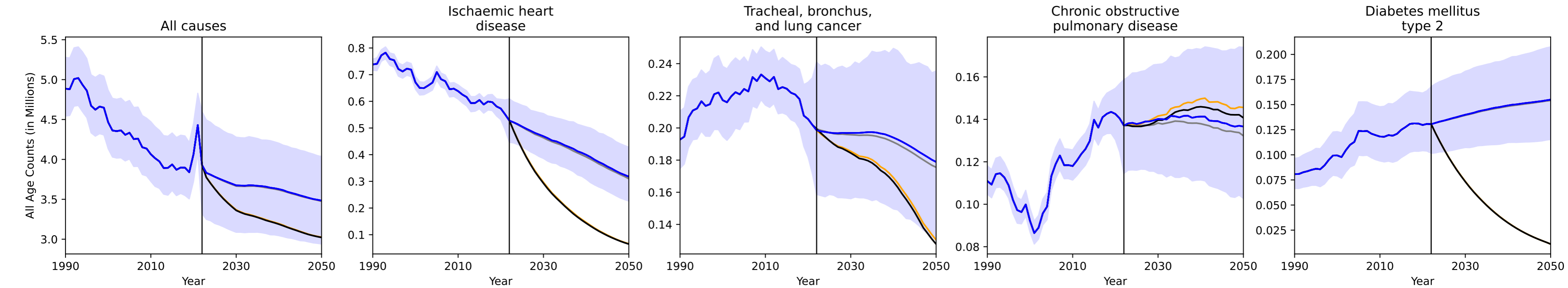
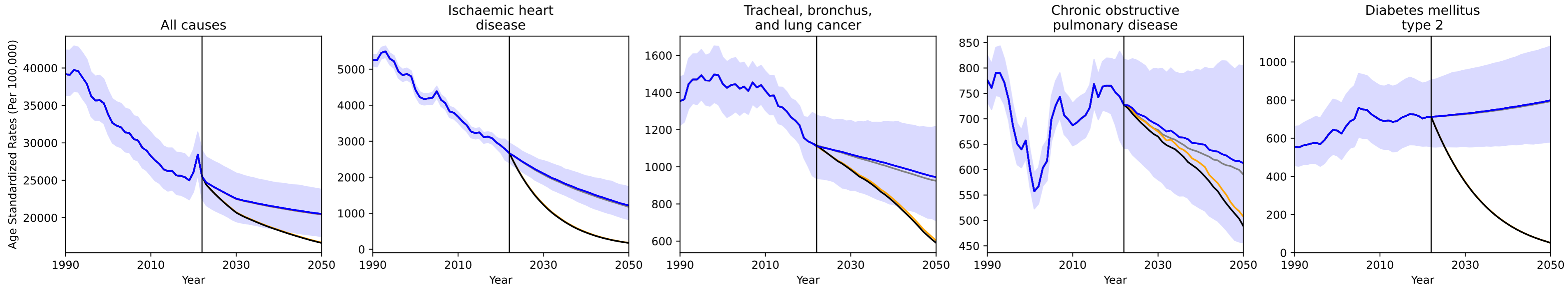


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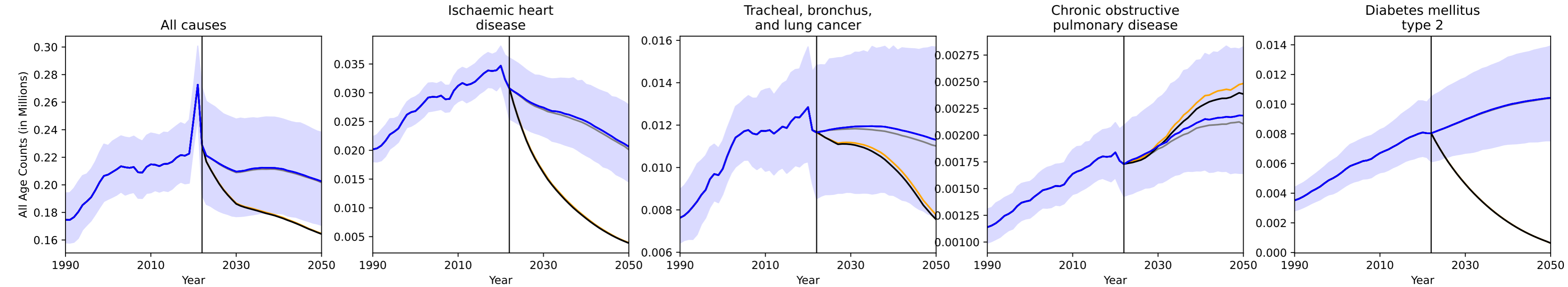
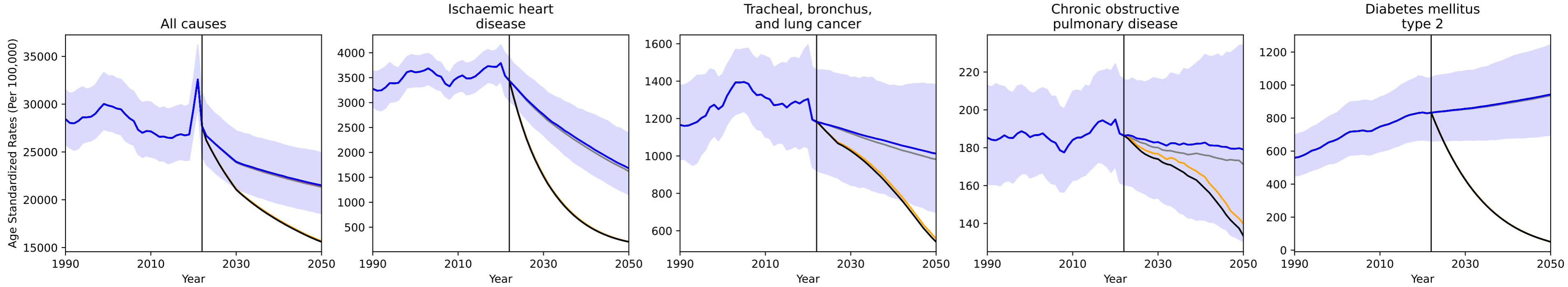
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



# Hungary

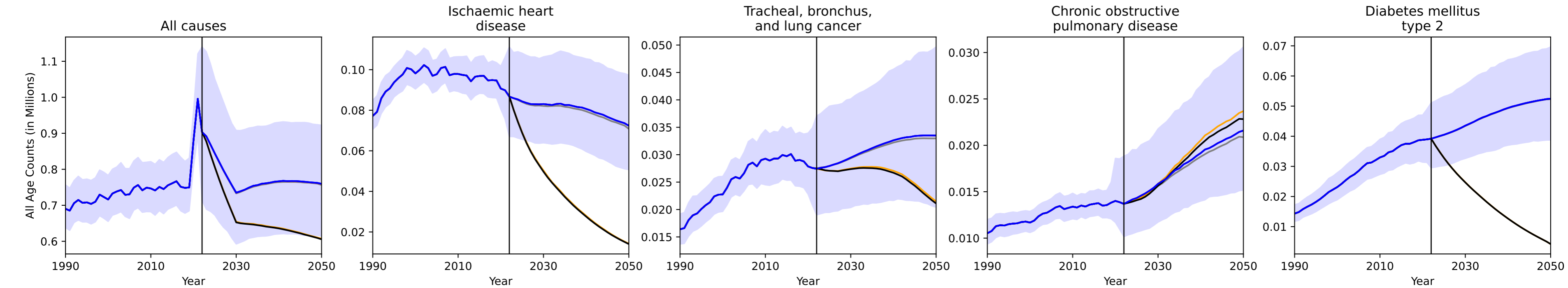
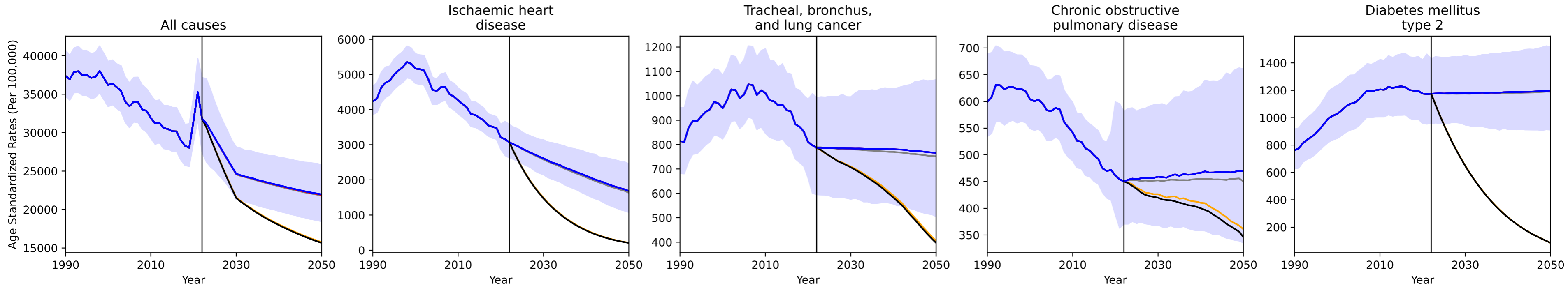


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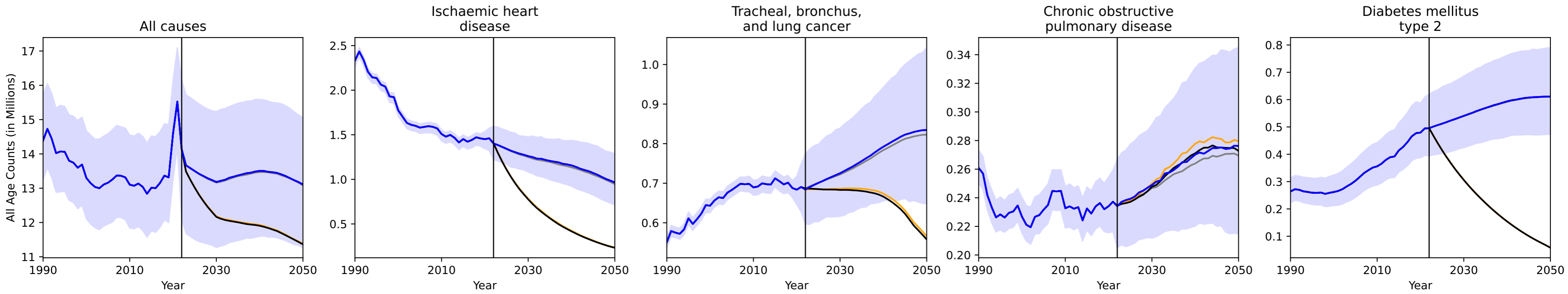
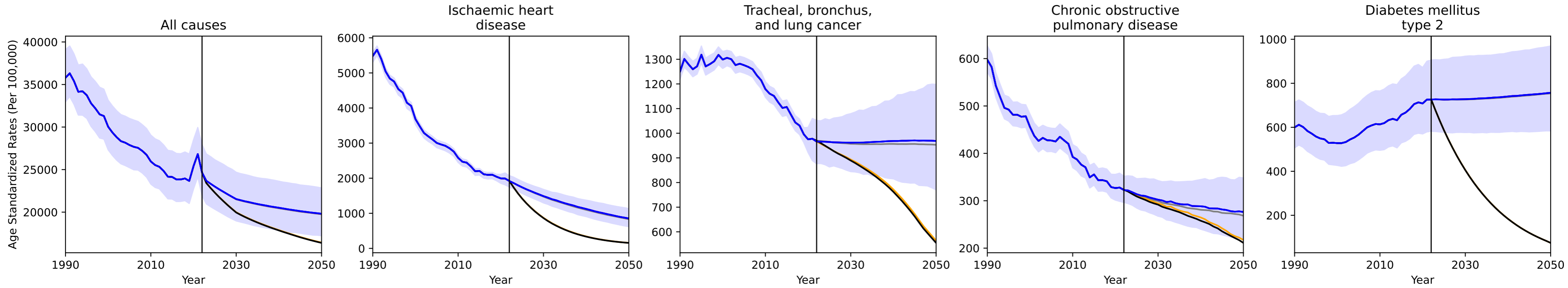


# North Macedonia

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

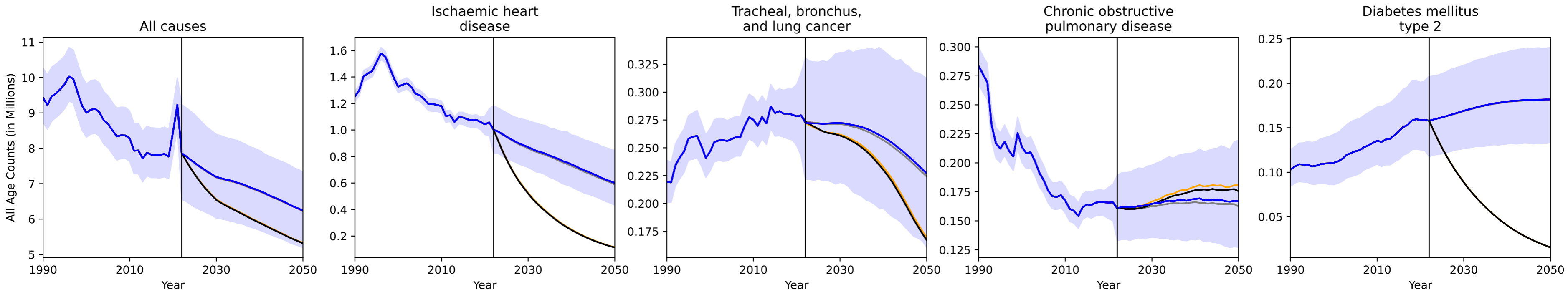
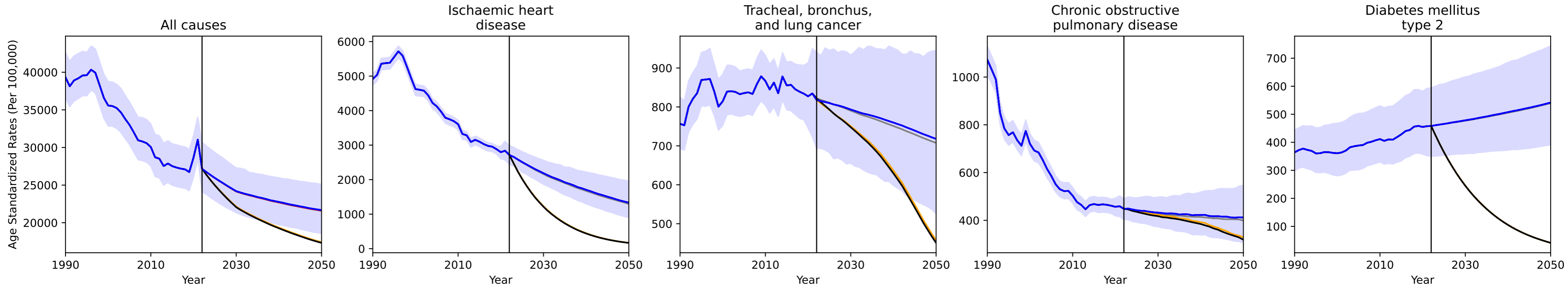


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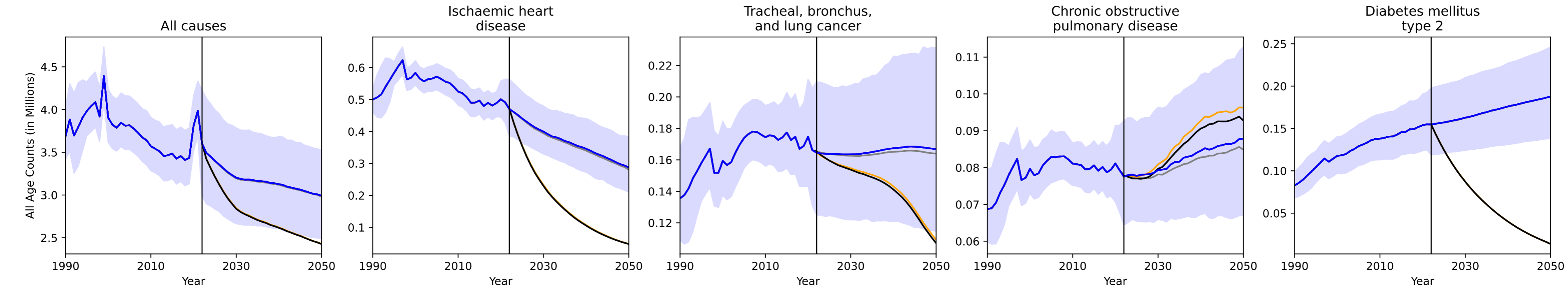
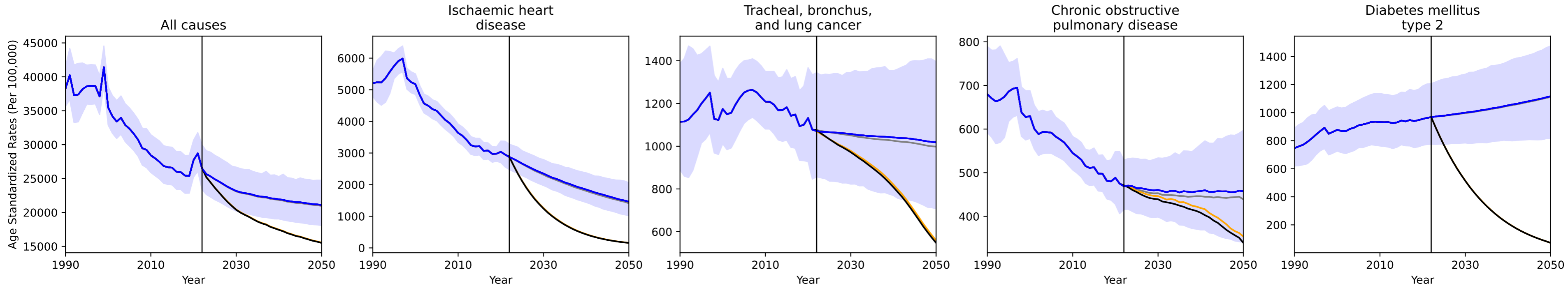
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

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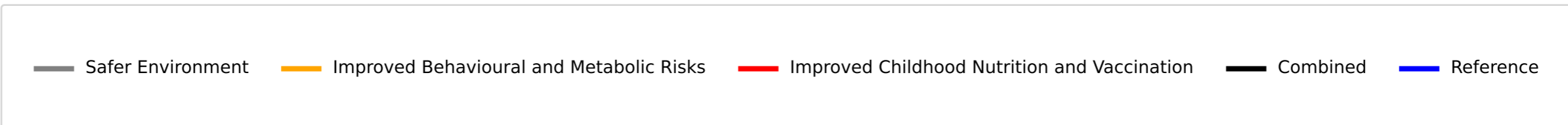
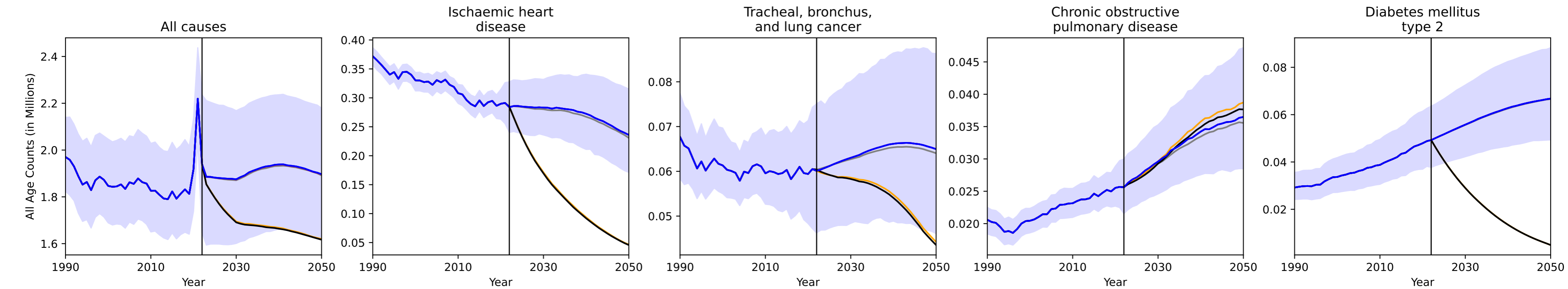
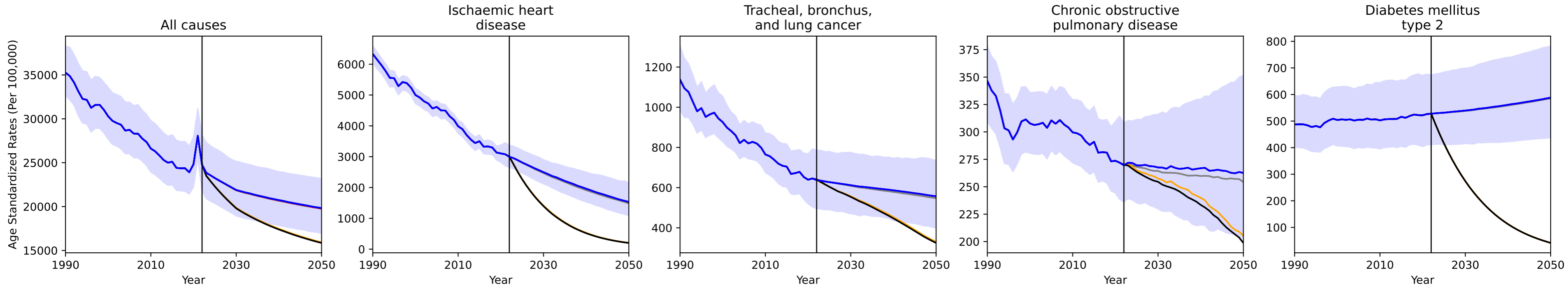




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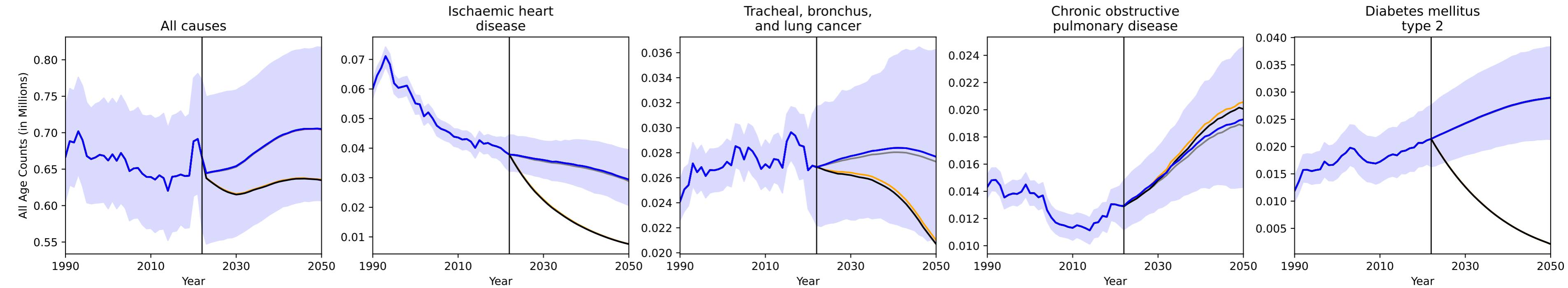
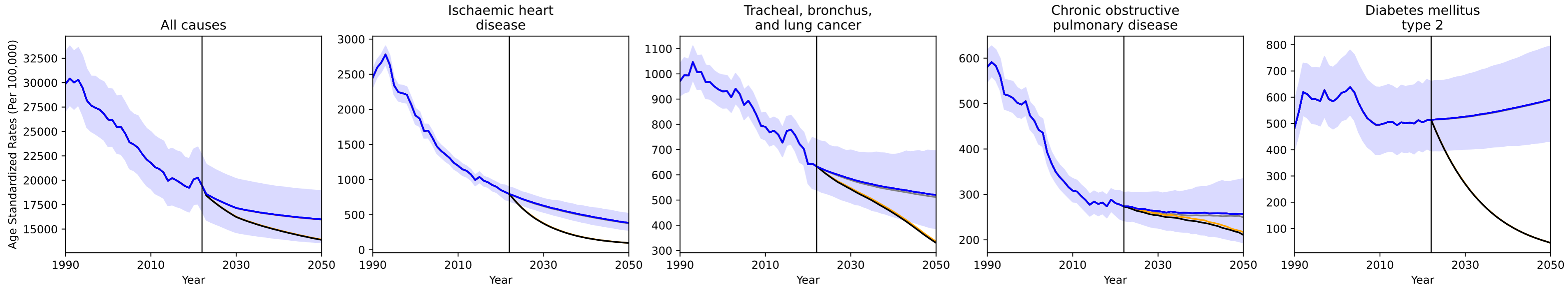


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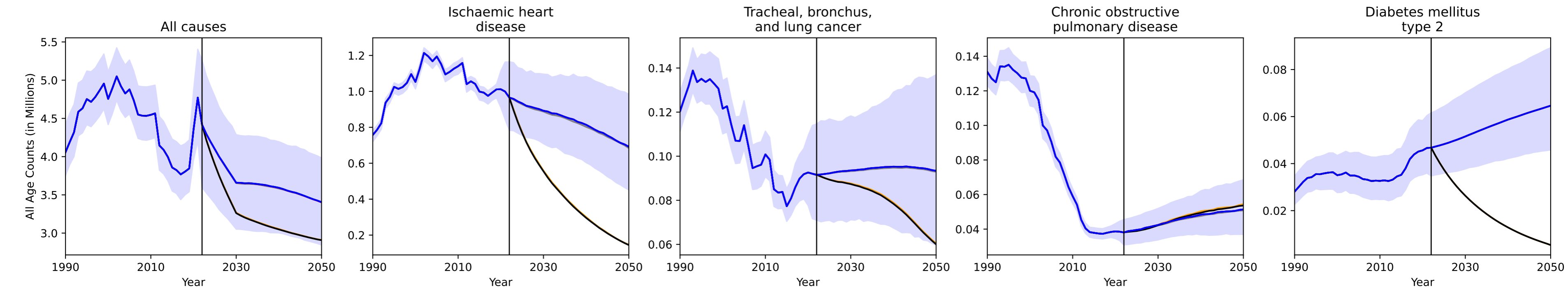
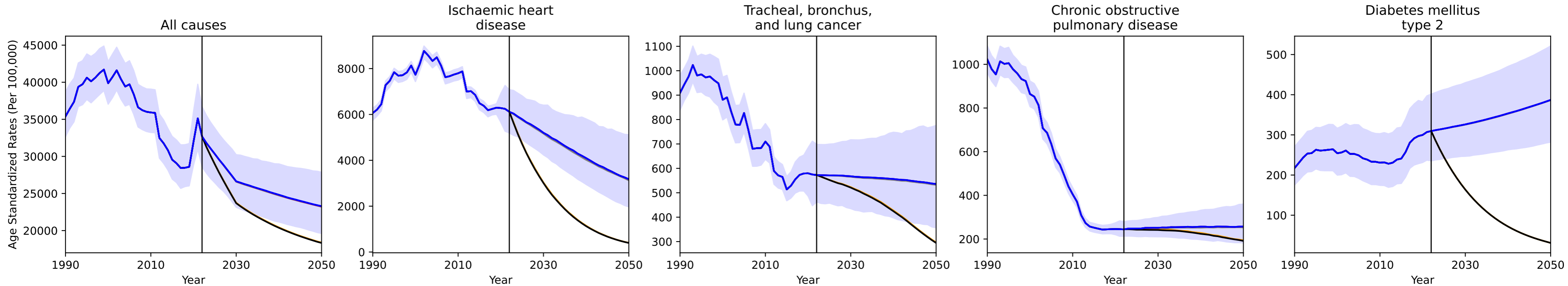
# Slovenia

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

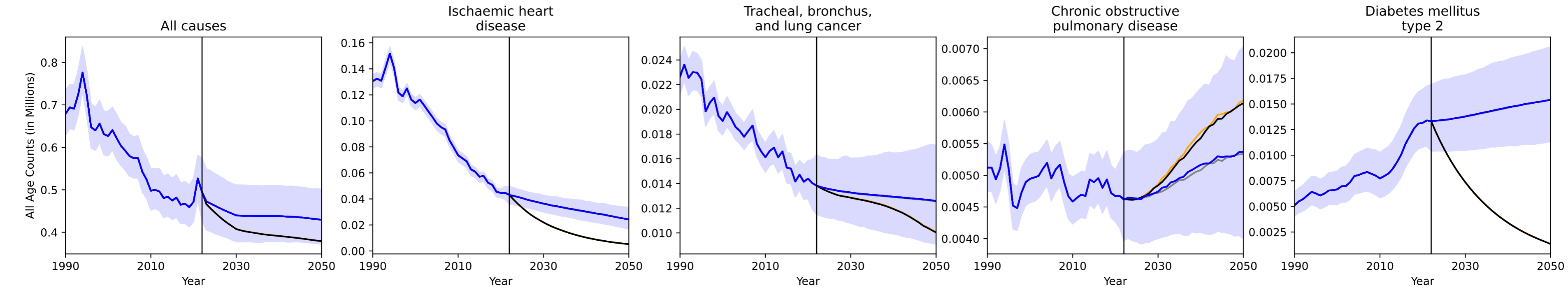
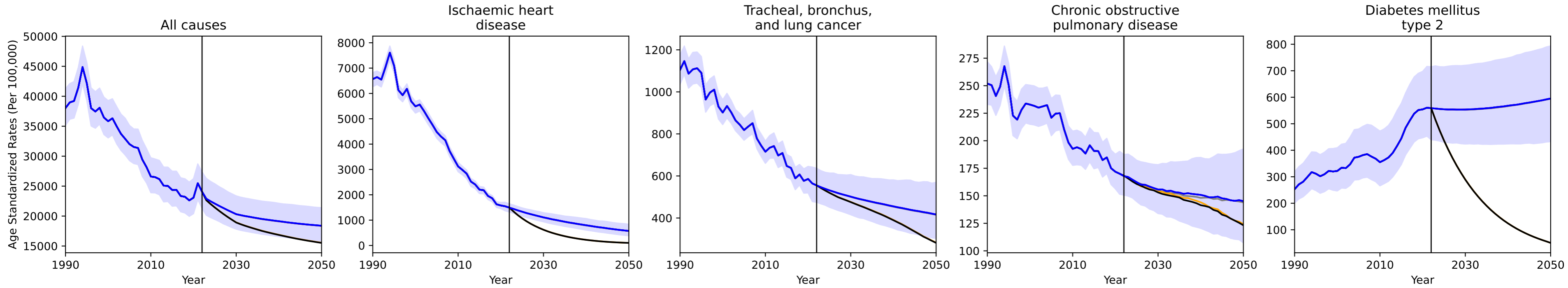


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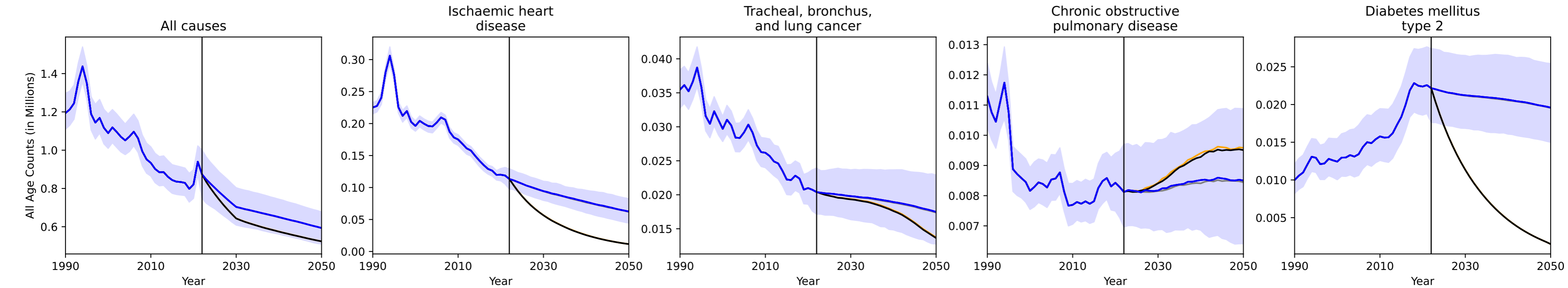
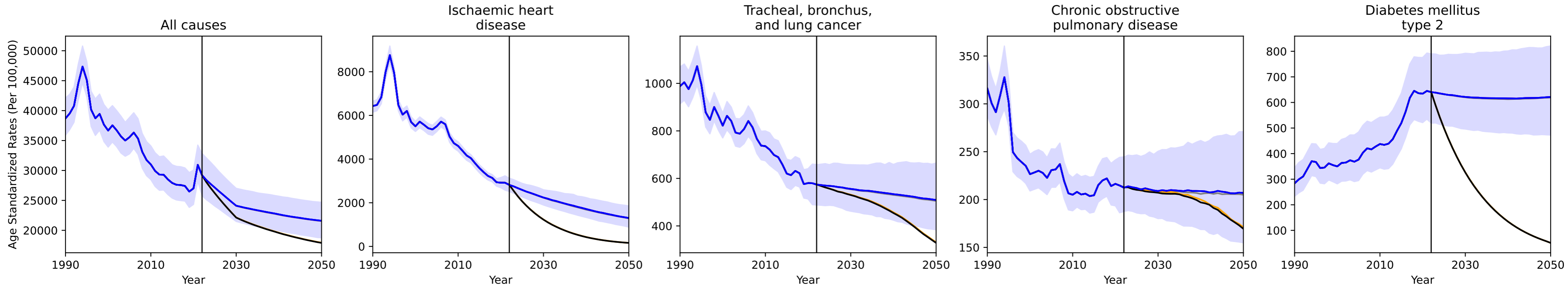
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



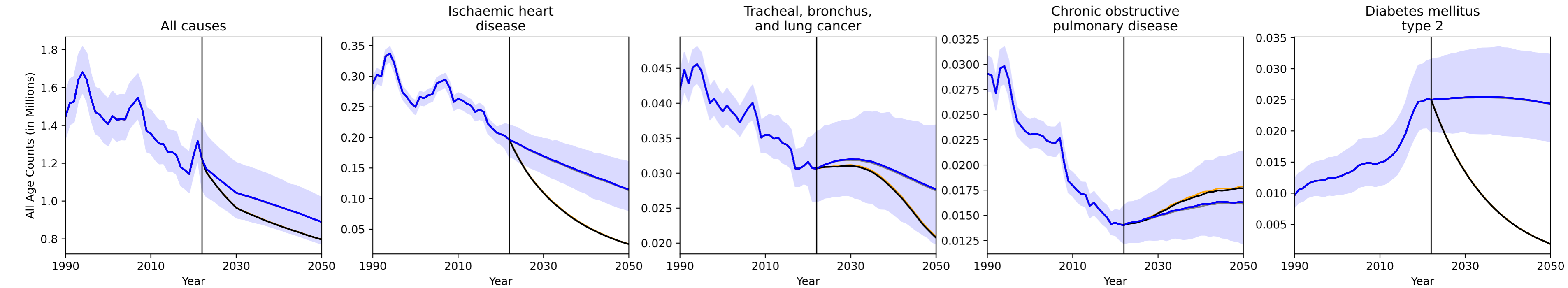
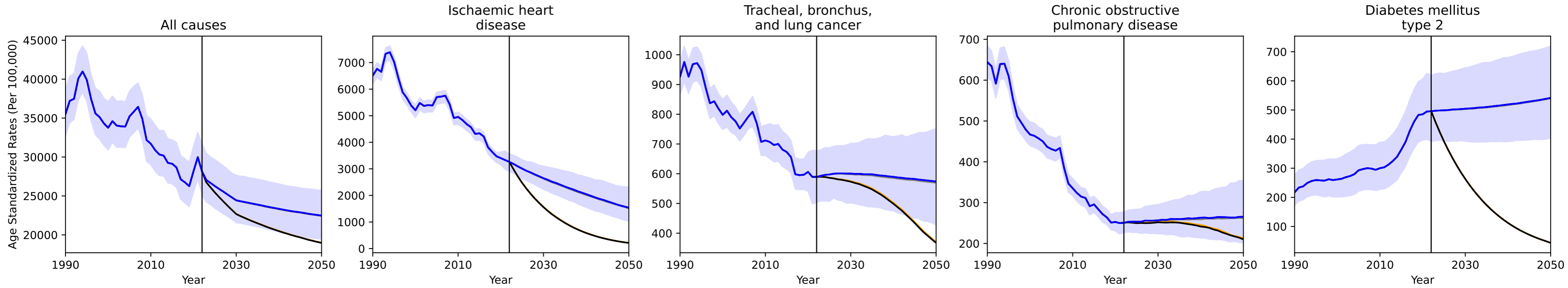
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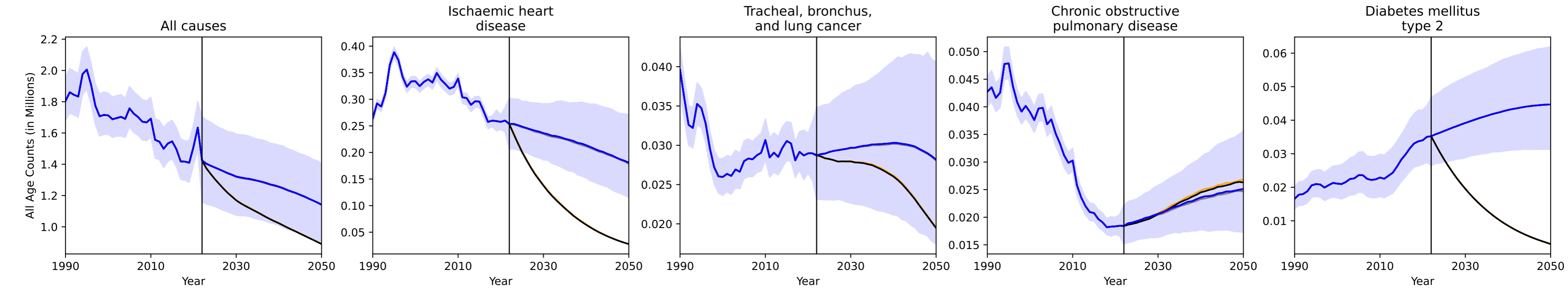
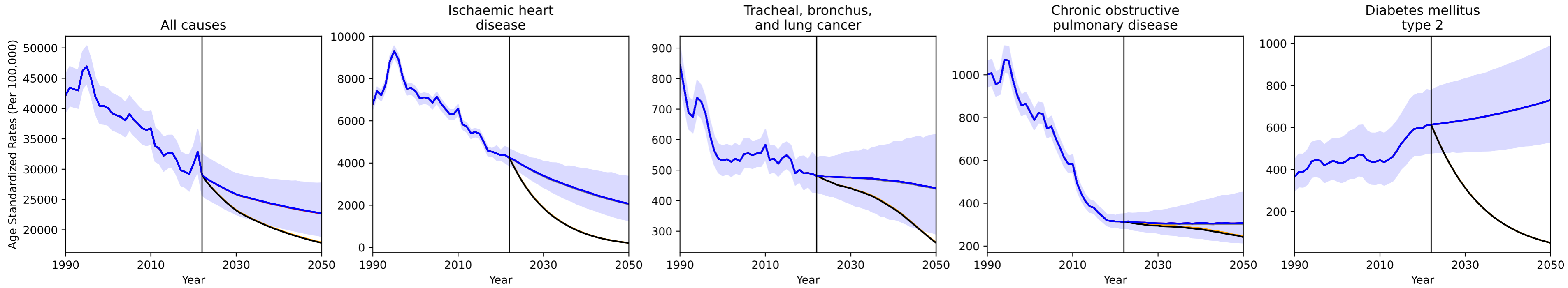
# Latvia



# Lithuania

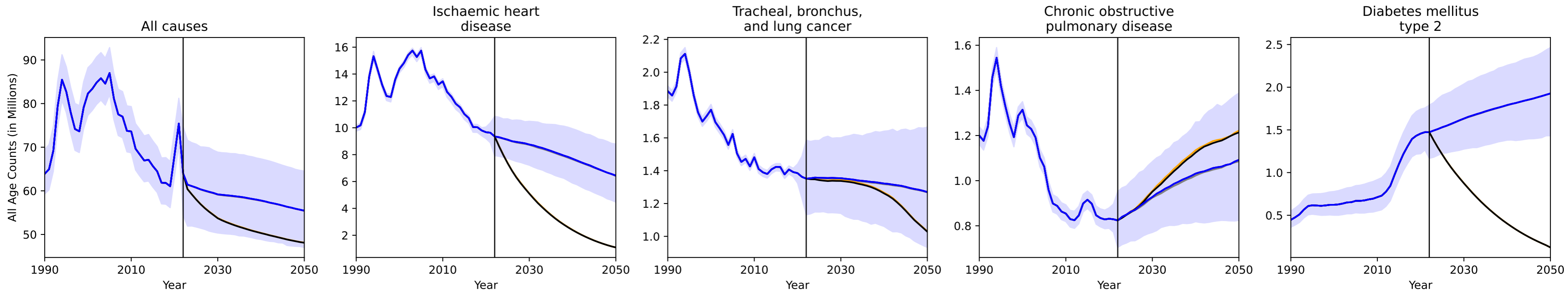
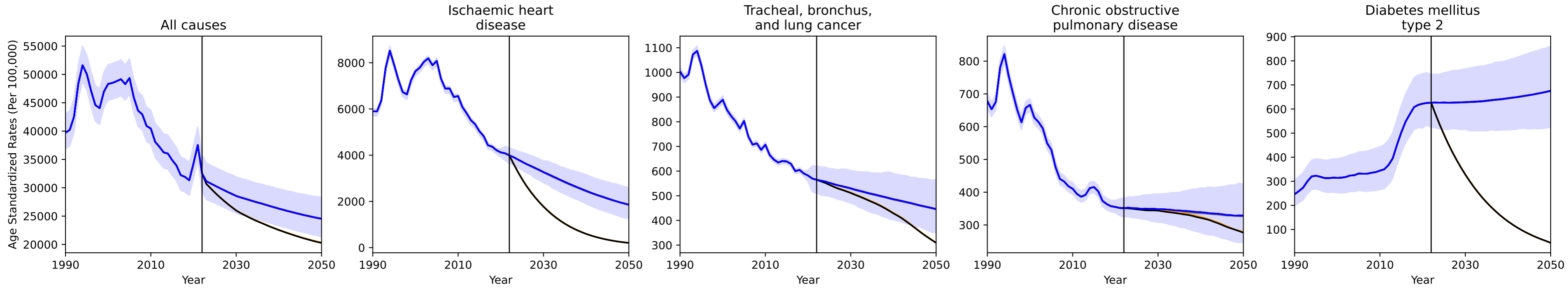


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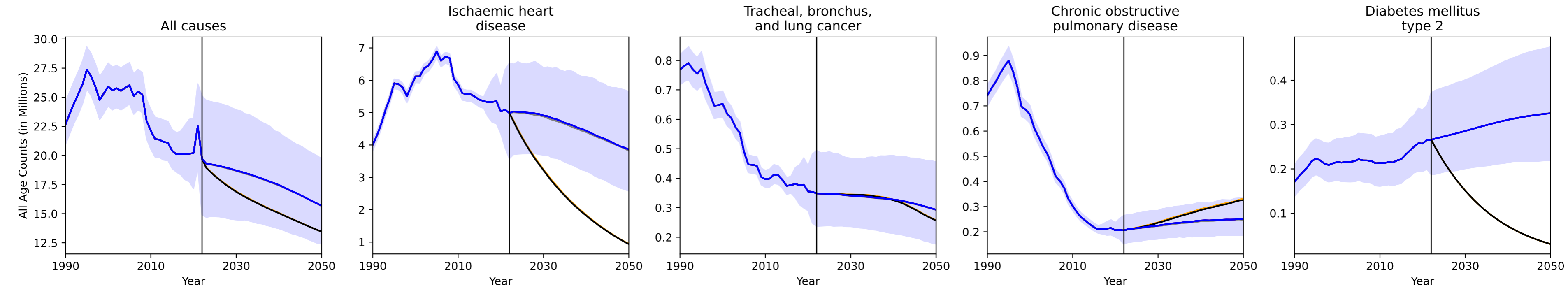
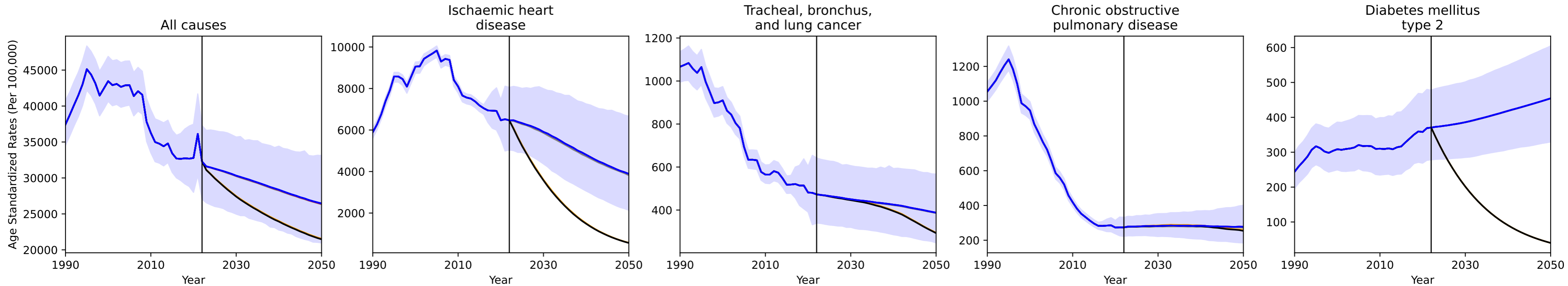




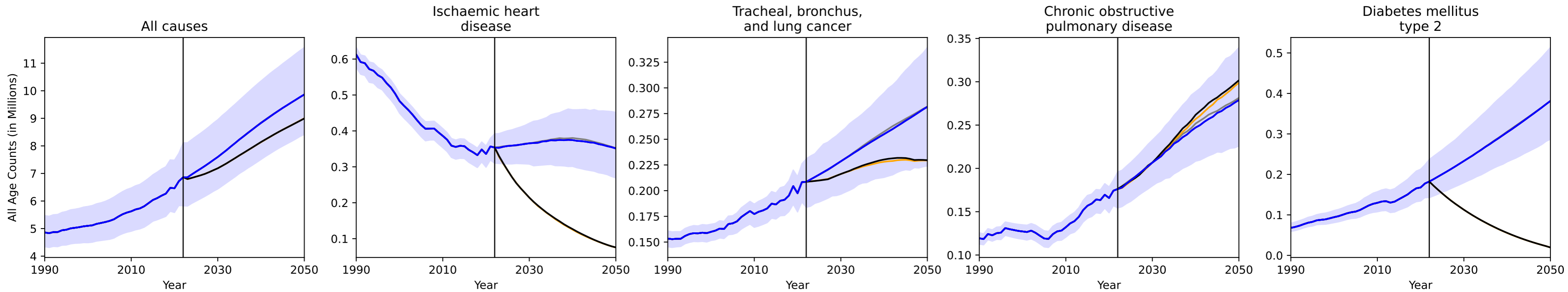
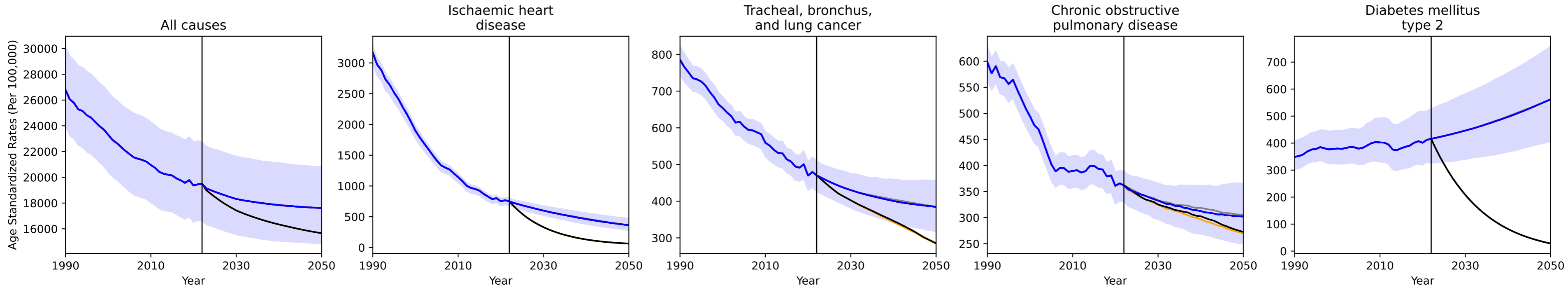
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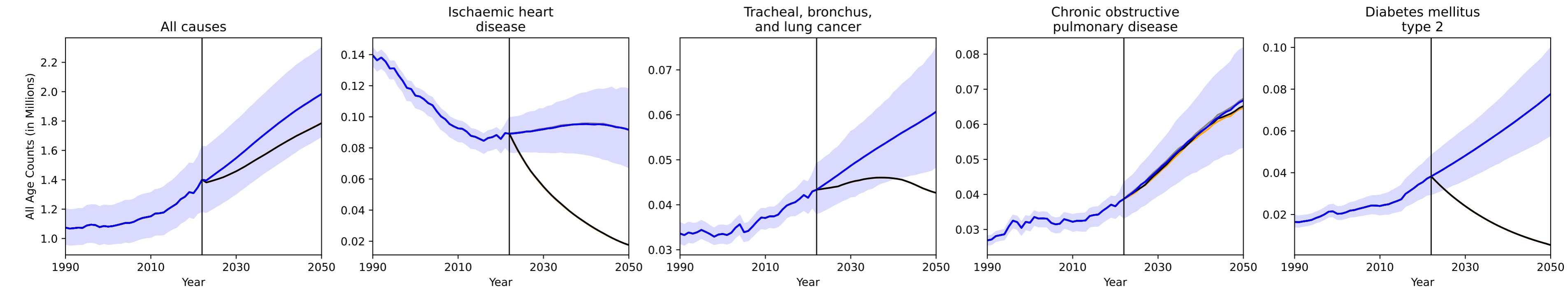
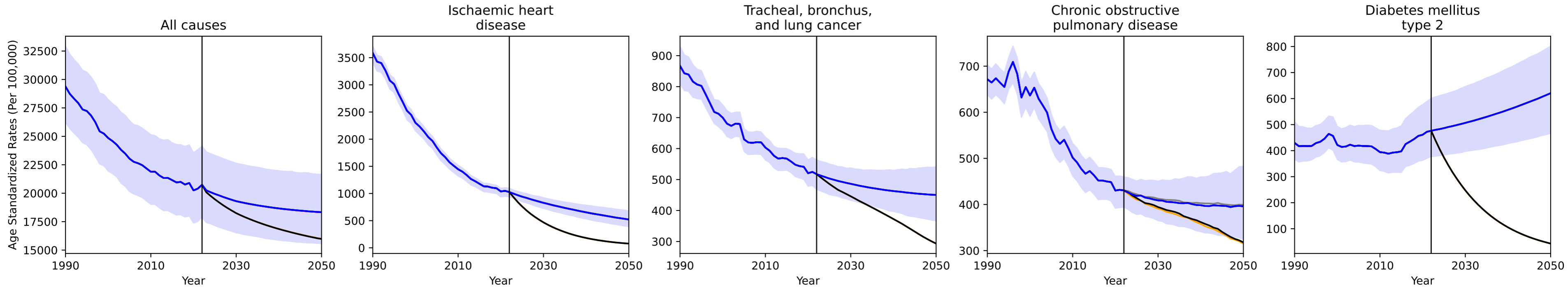
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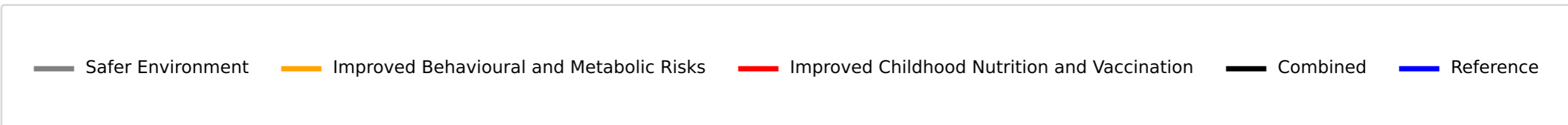
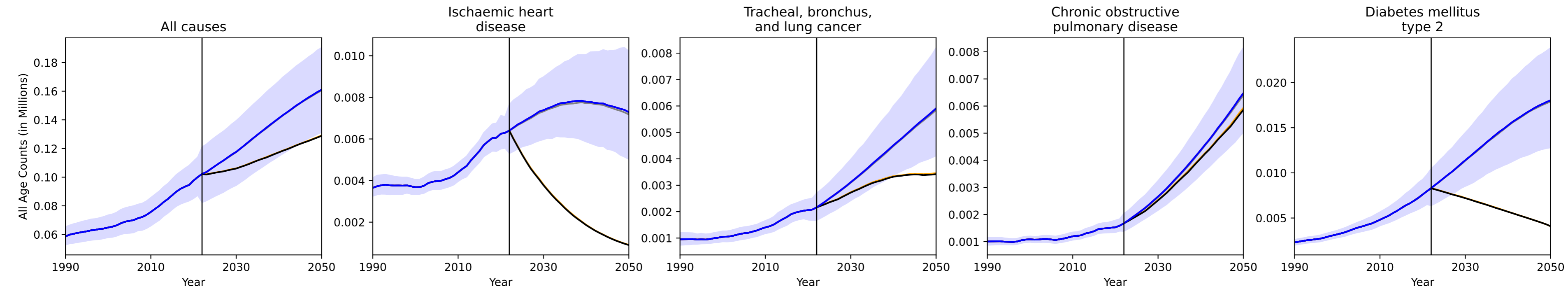
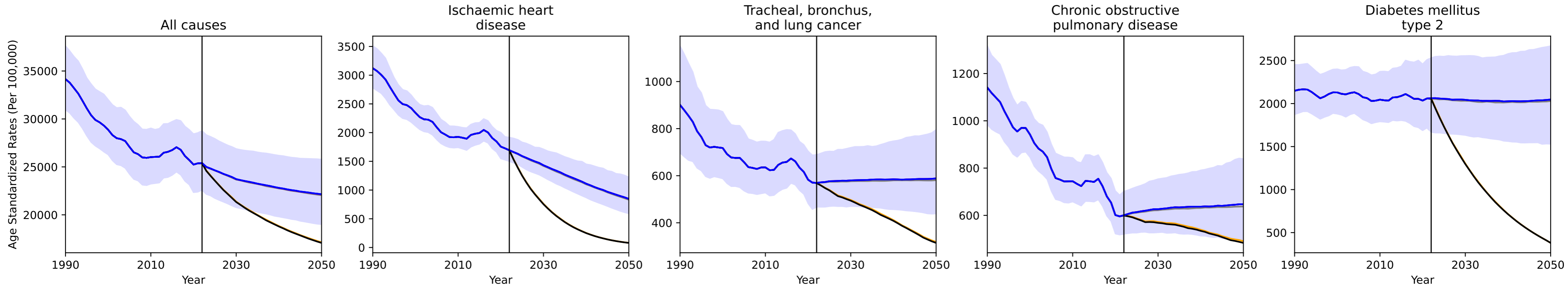
# Australia



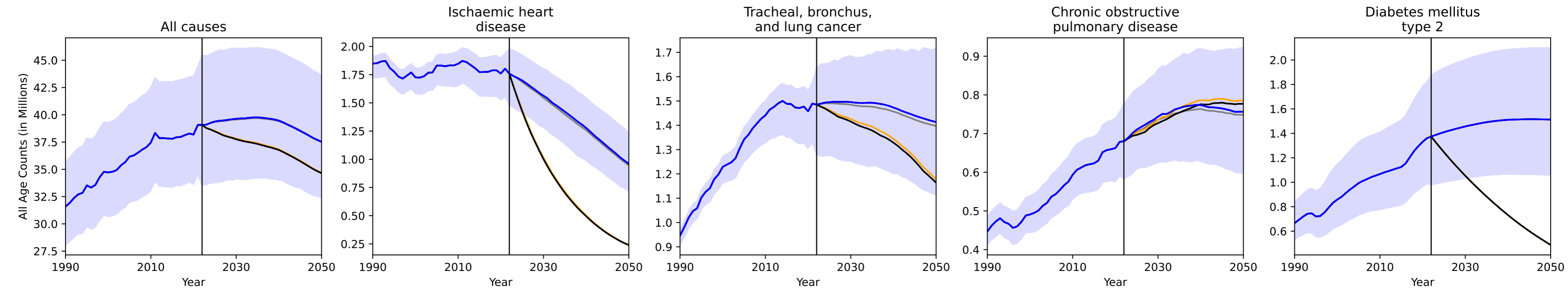
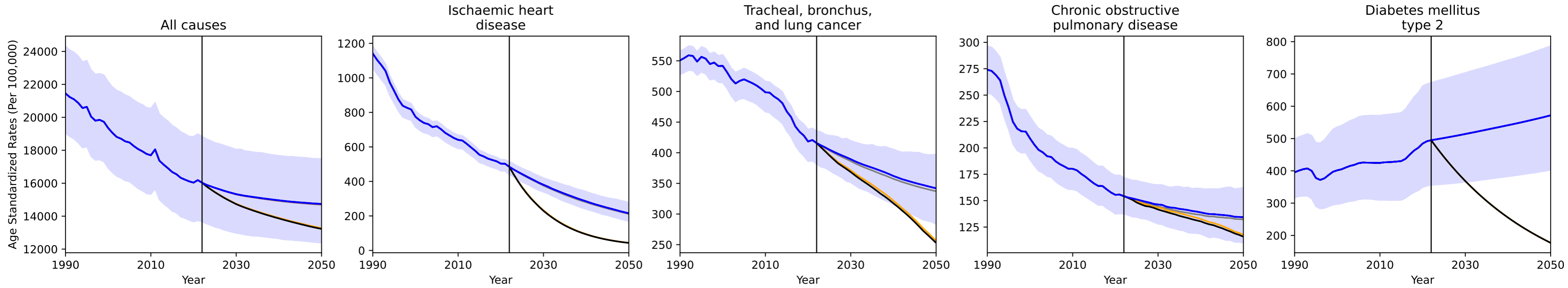
# New Zealand



# Brunei

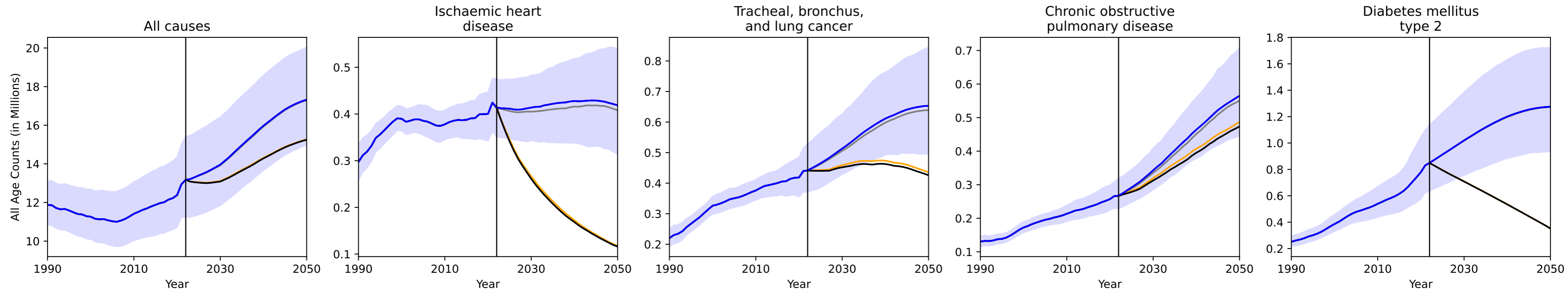
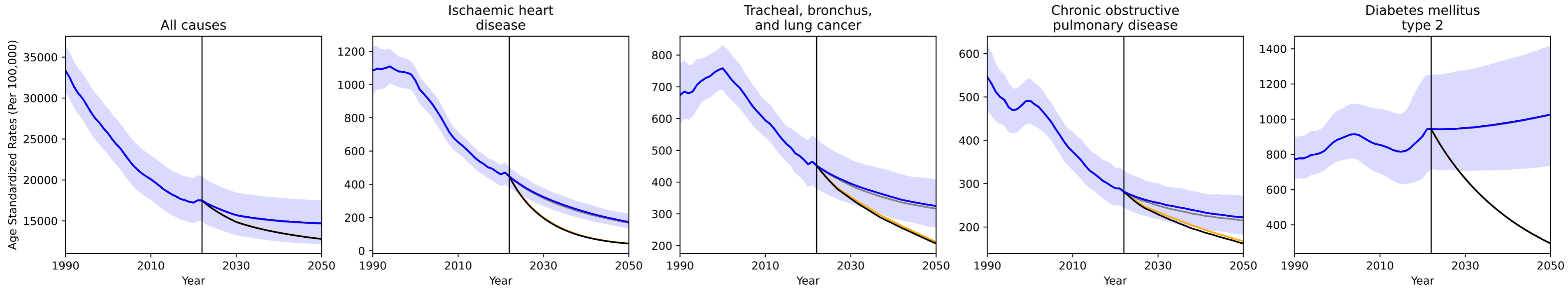


# Japan



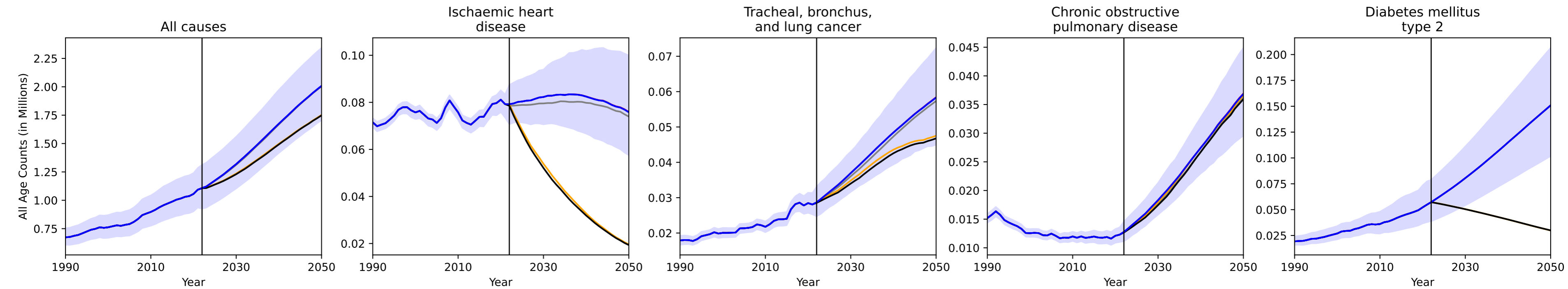
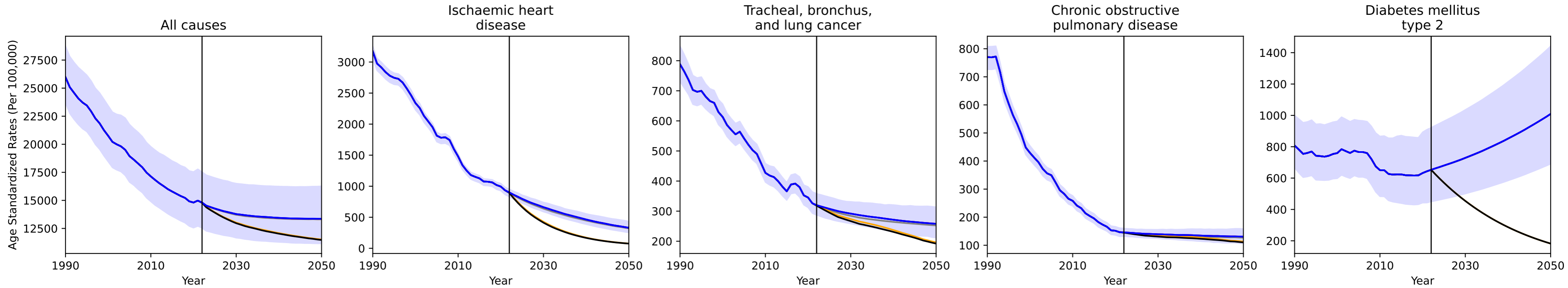
# South Korea

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

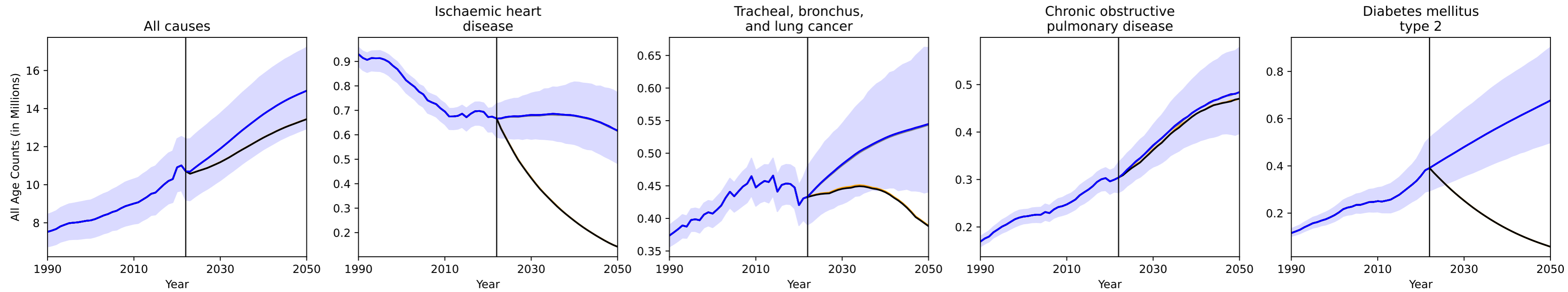
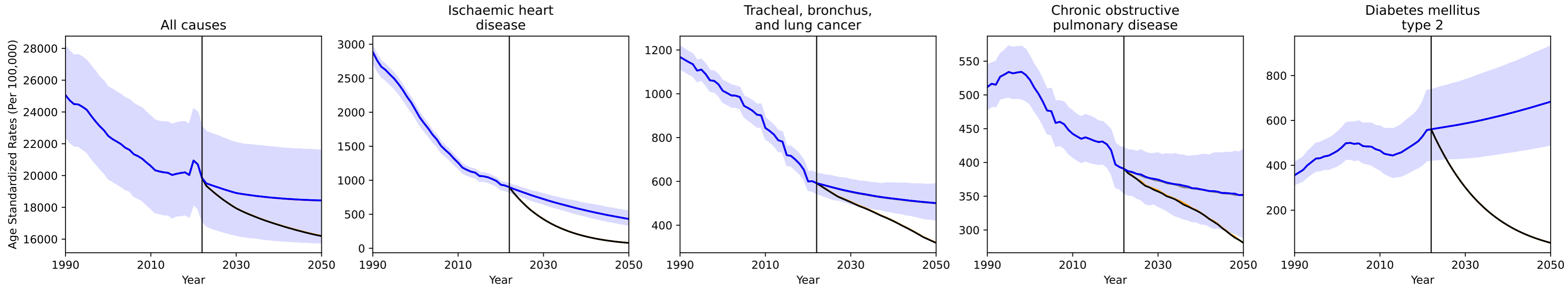
# Singapore



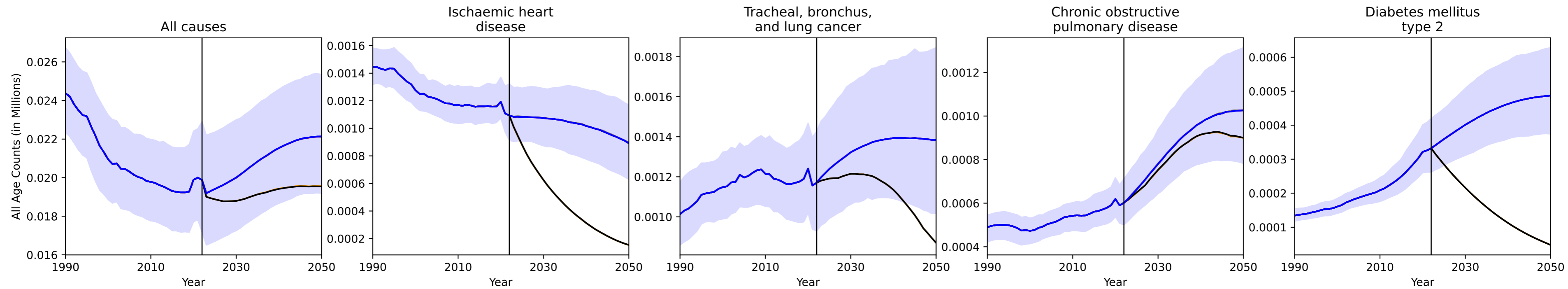
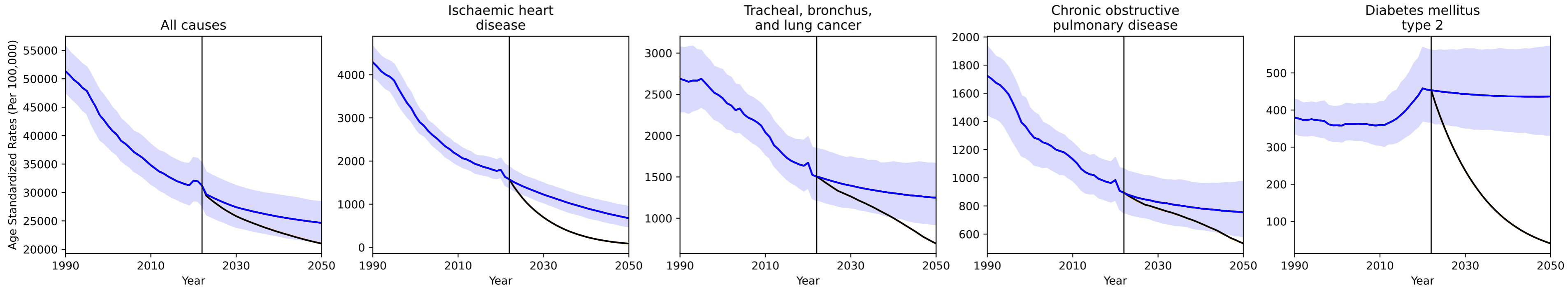


# Canada

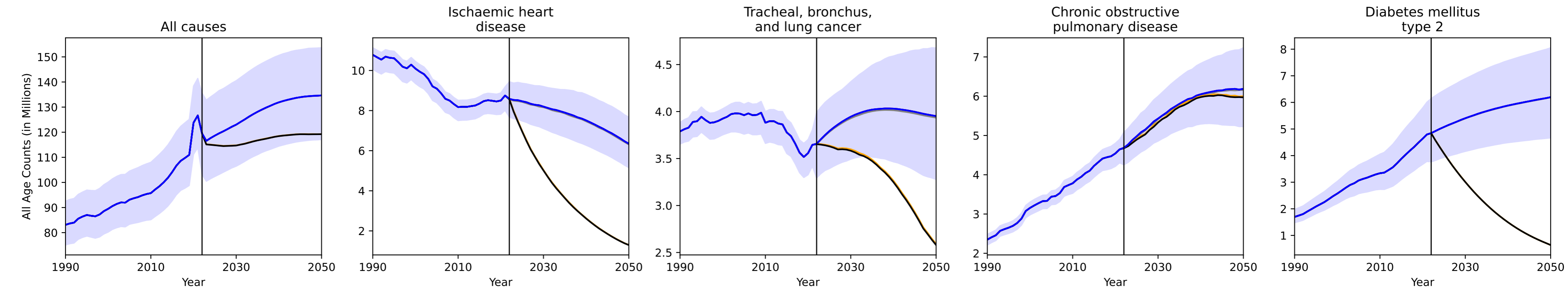
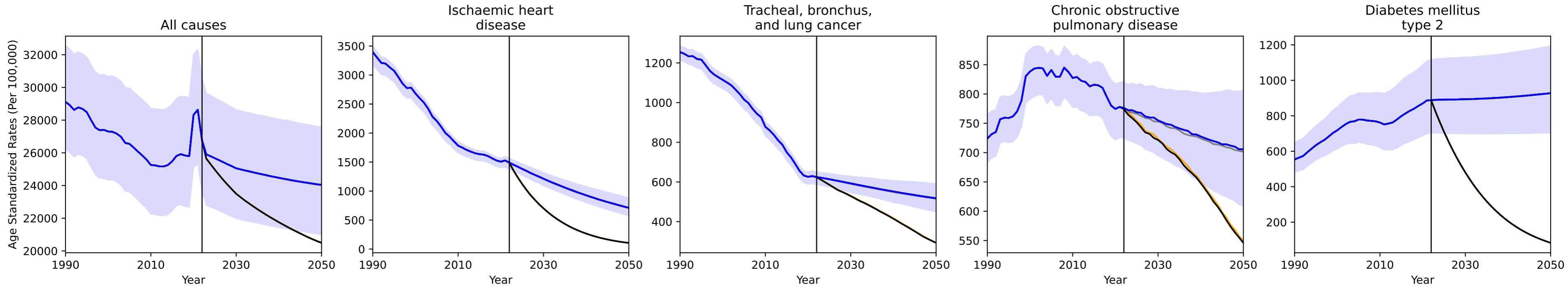
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



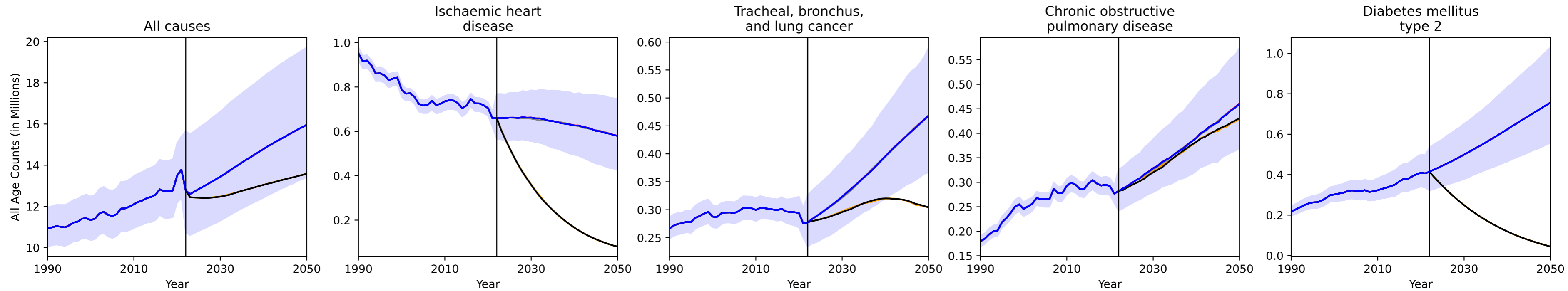
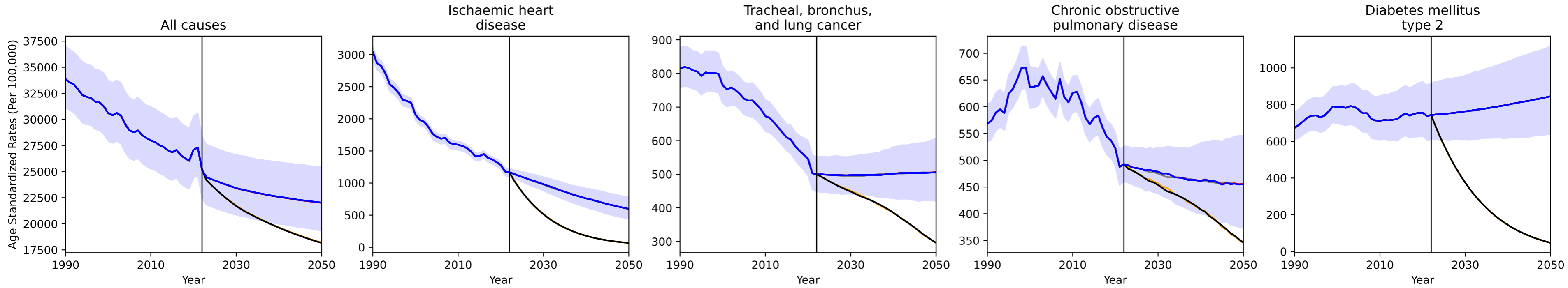
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# USA

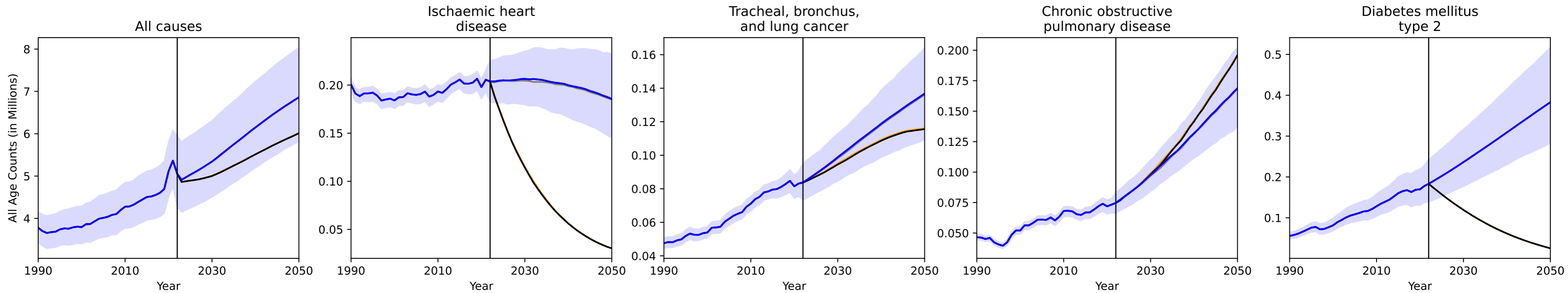
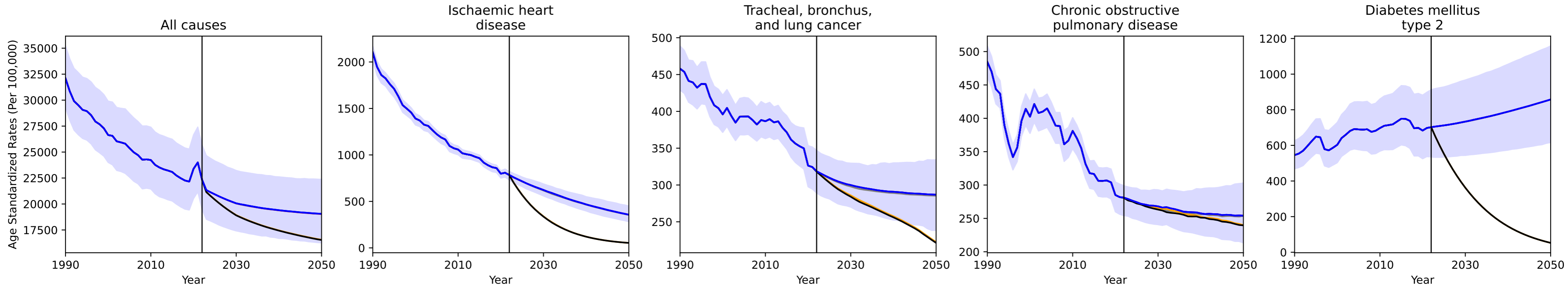


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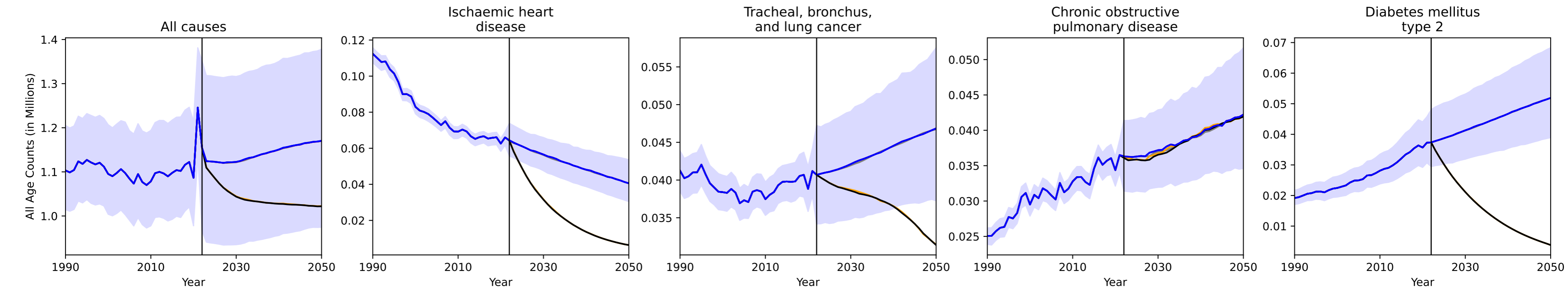
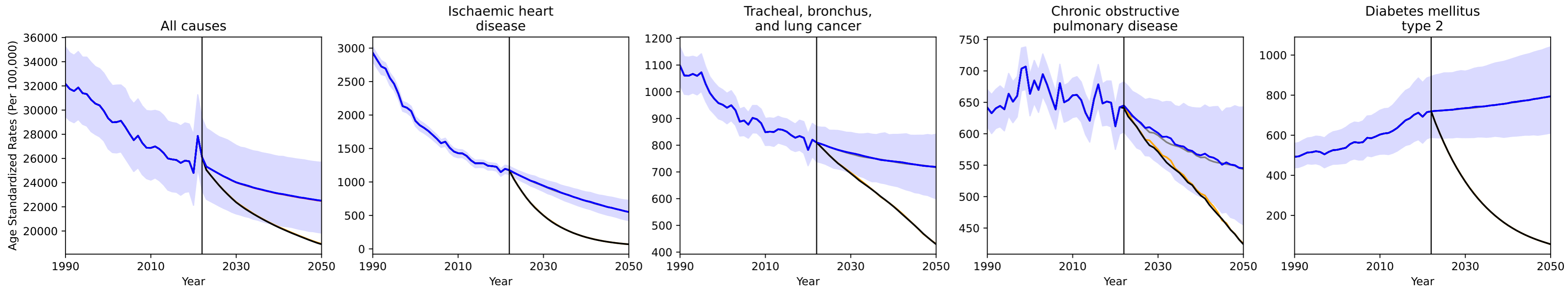


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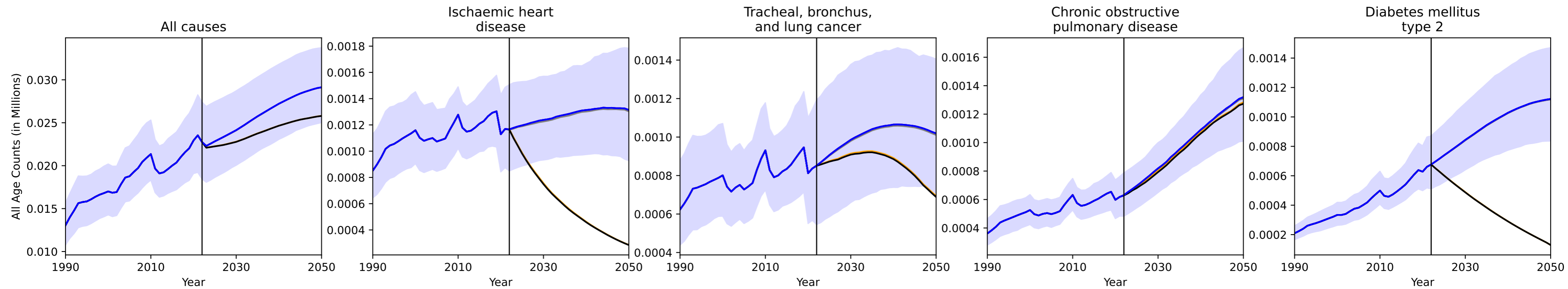
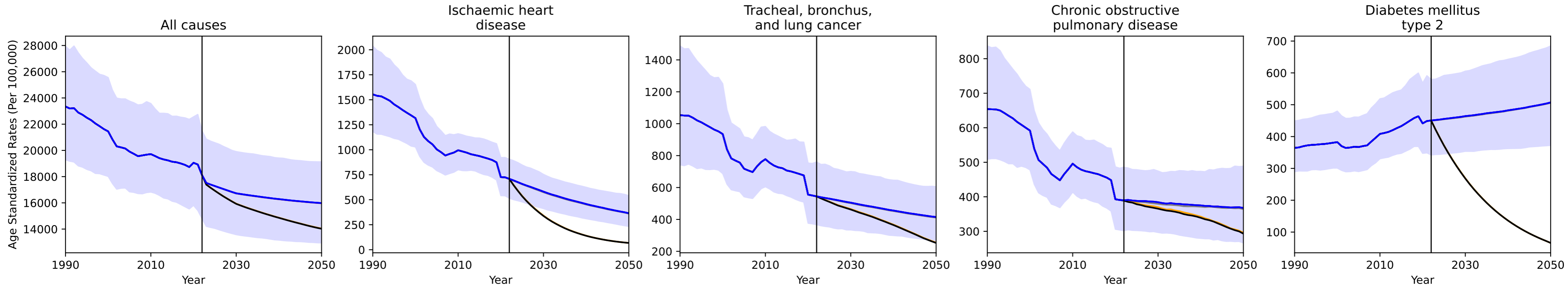
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



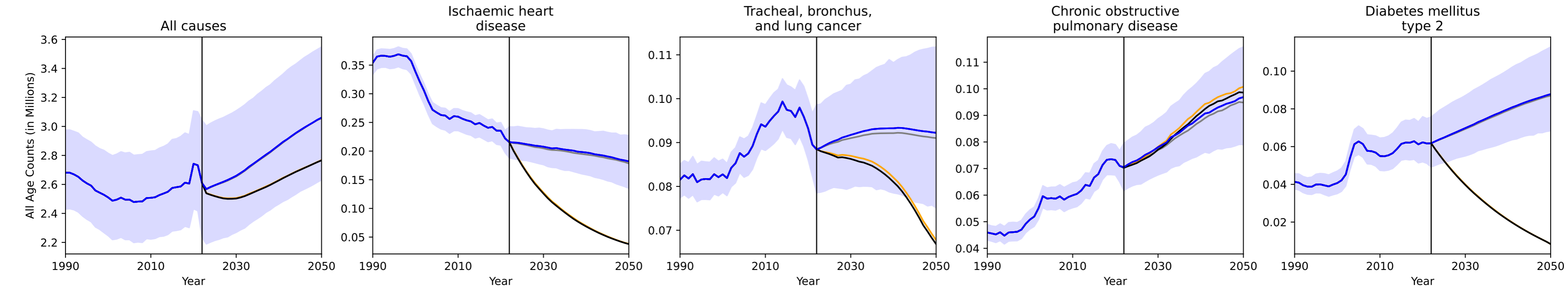
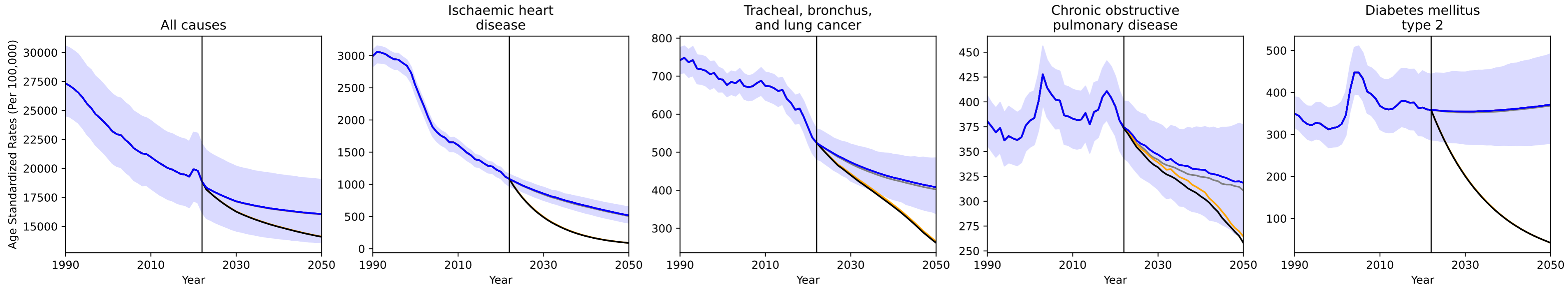
# Uruguay



# Andorra

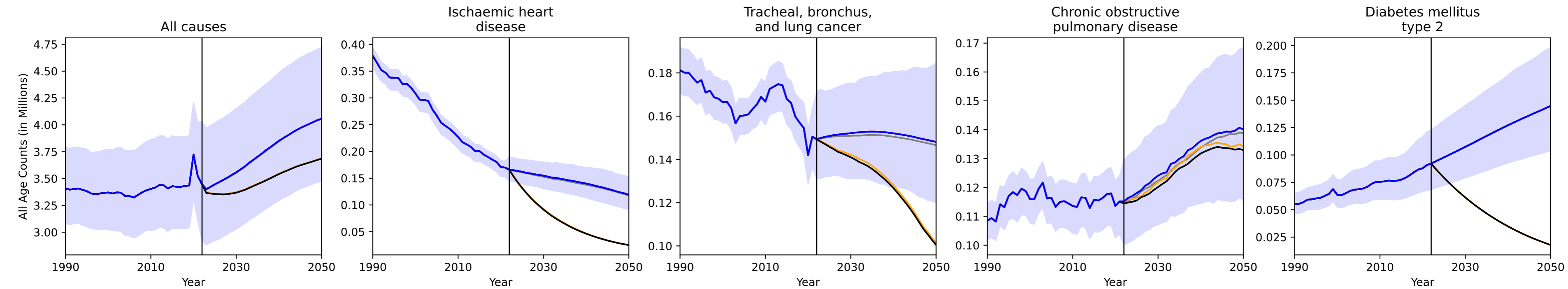
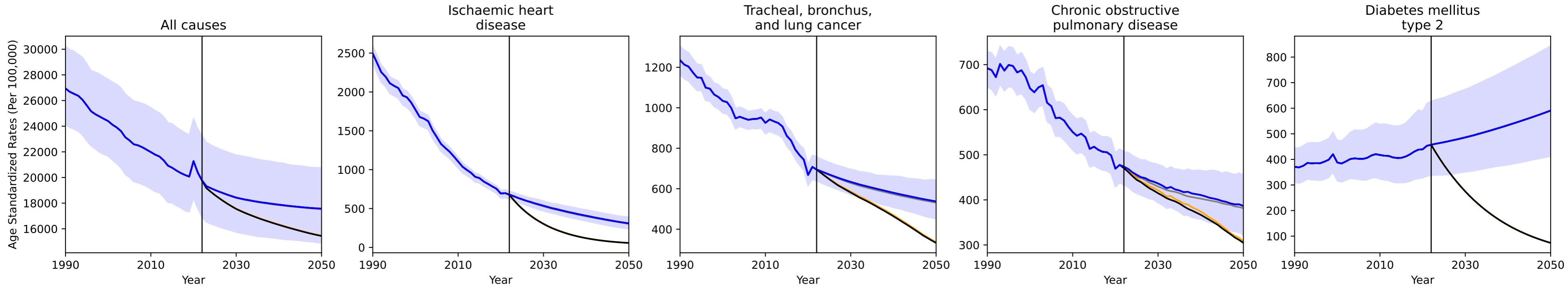


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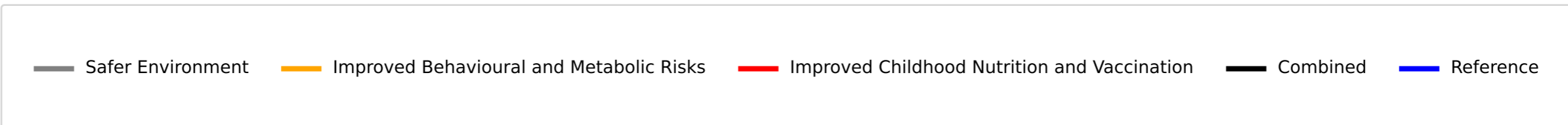
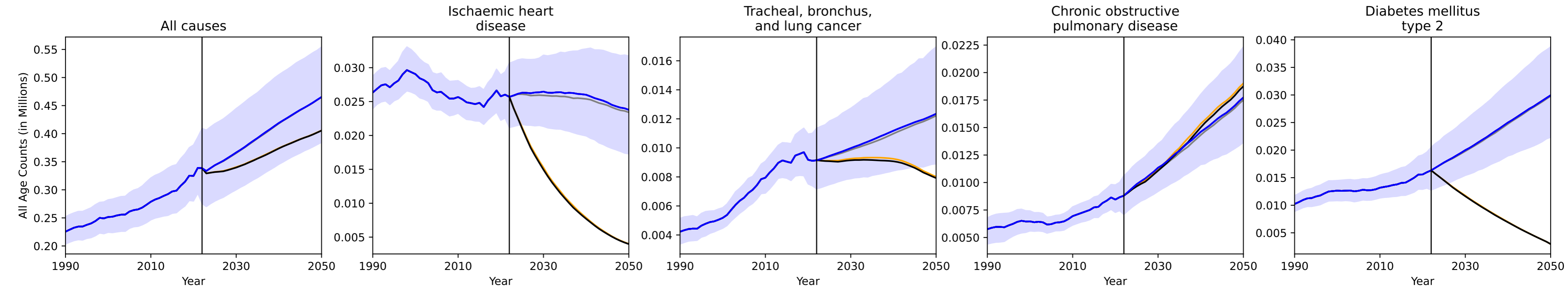
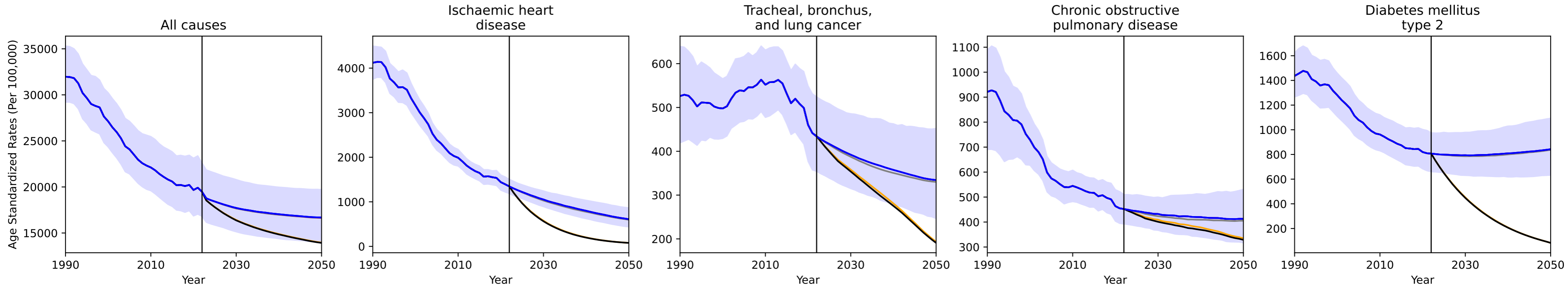




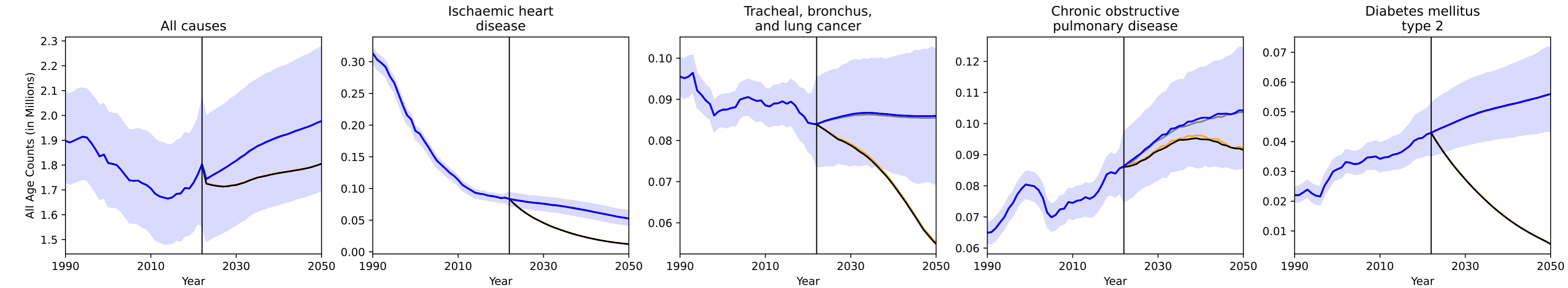
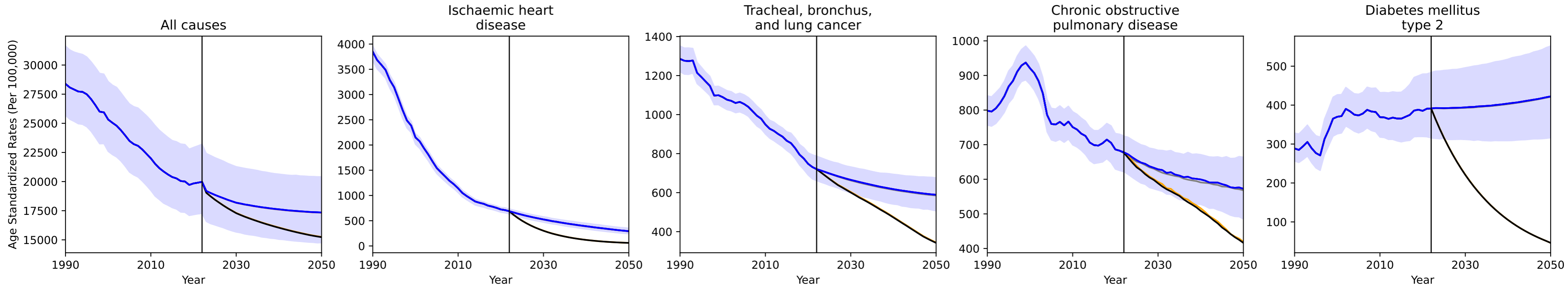
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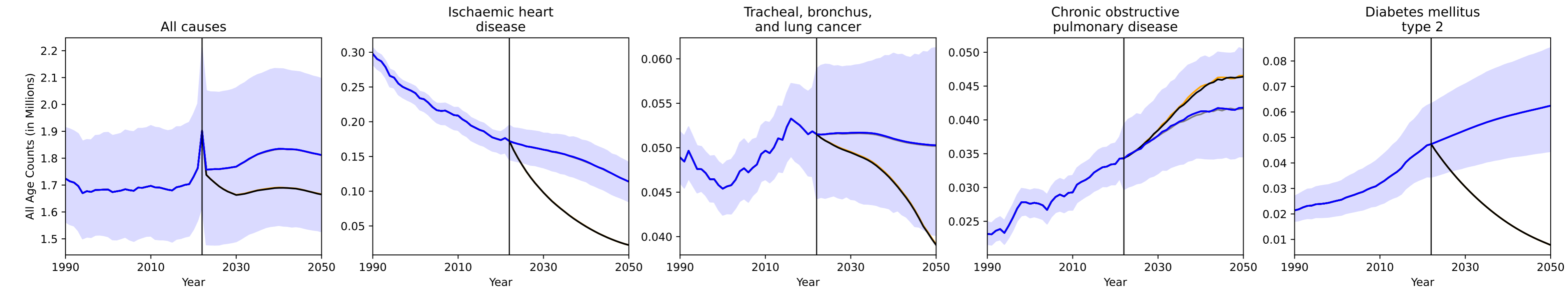
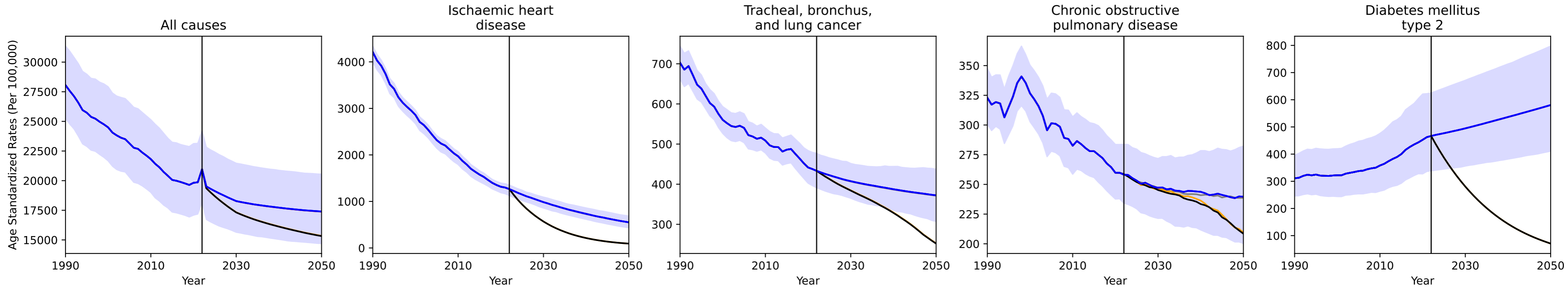
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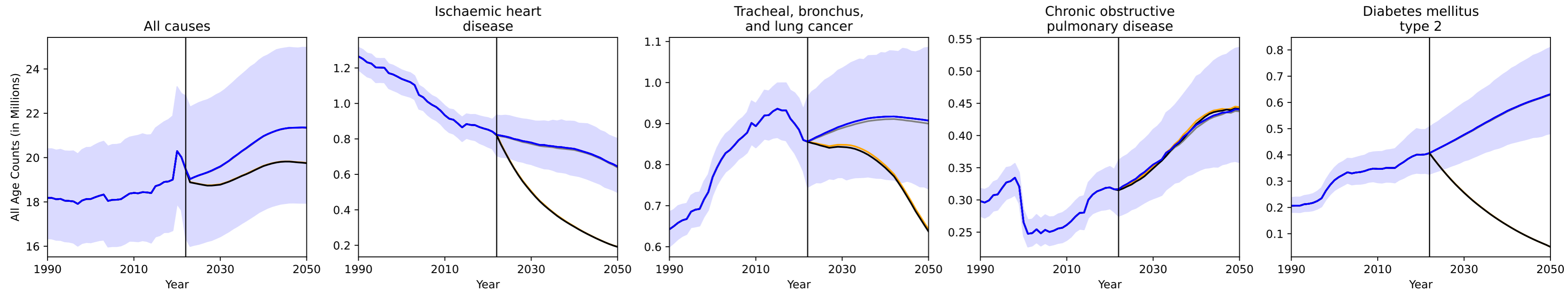
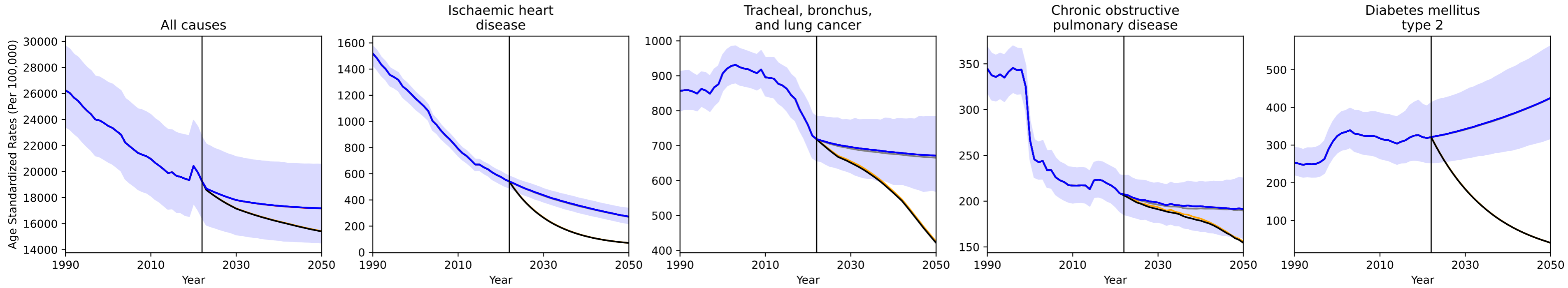
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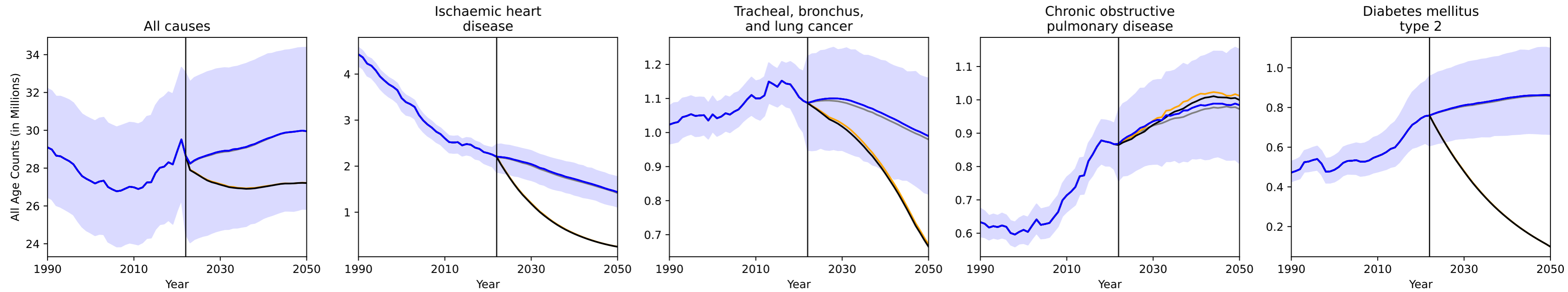
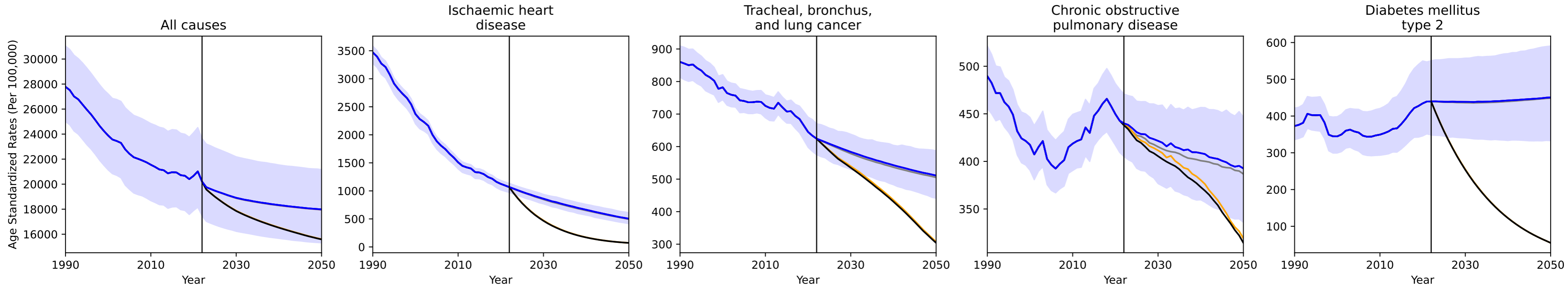
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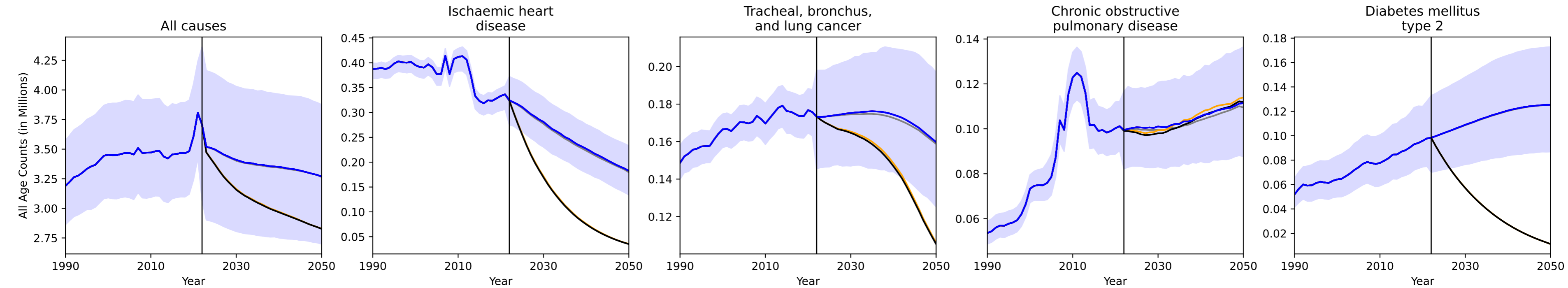
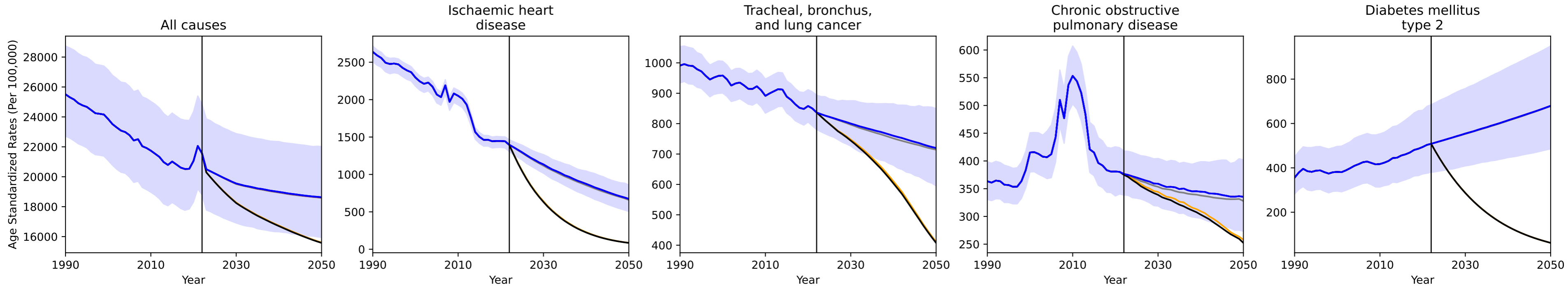
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# Germany

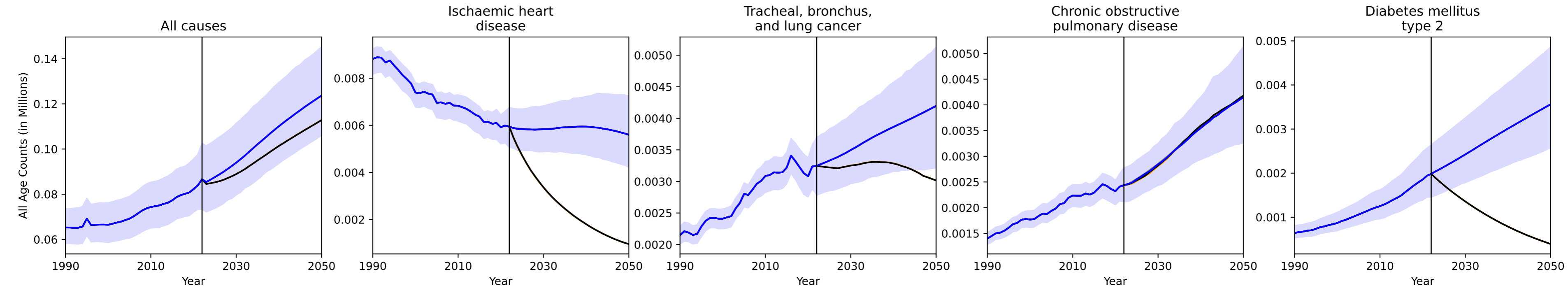
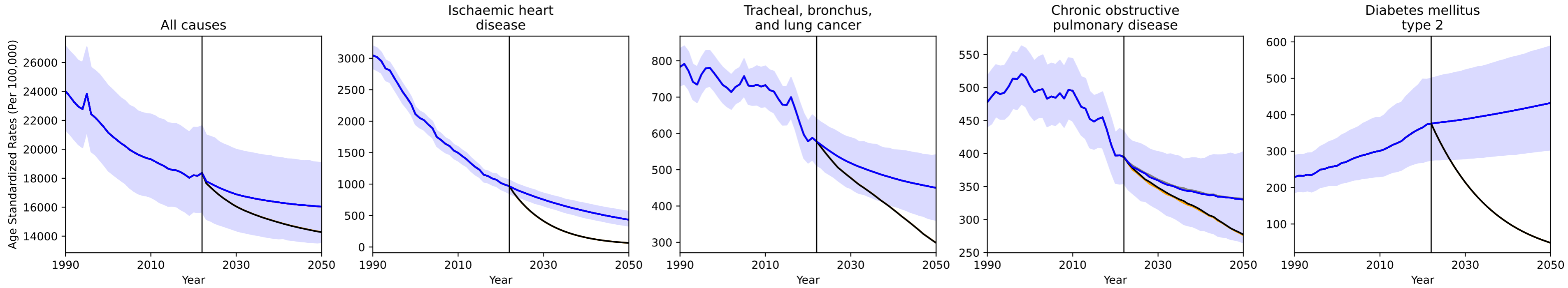


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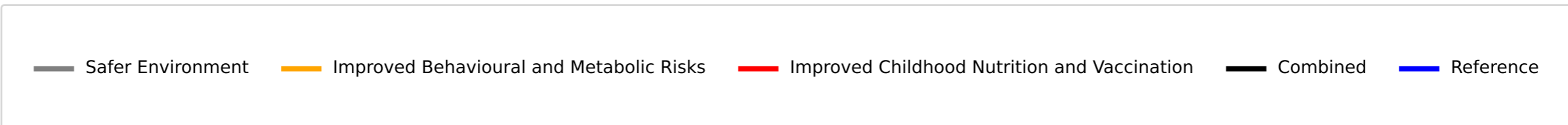
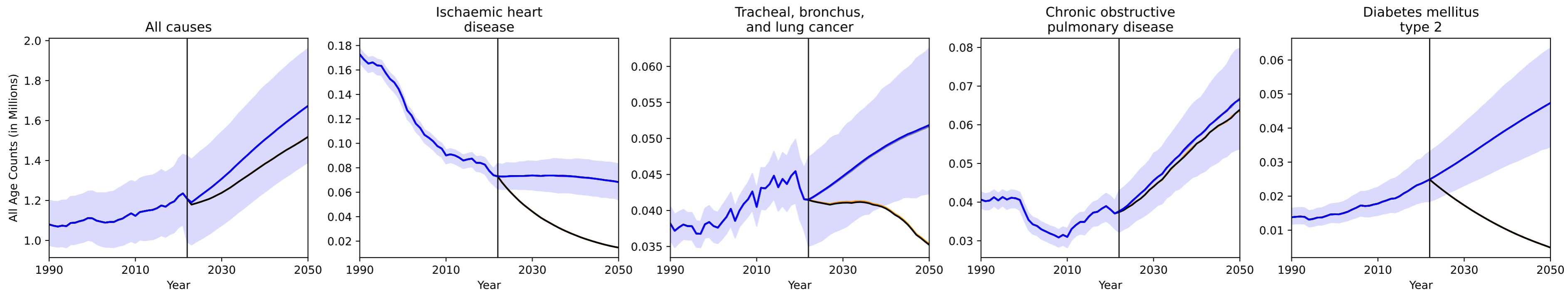
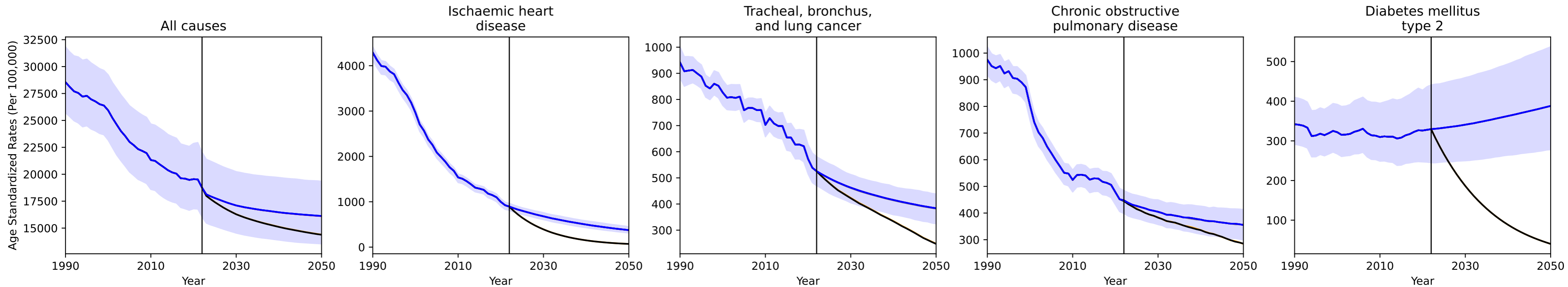
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Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

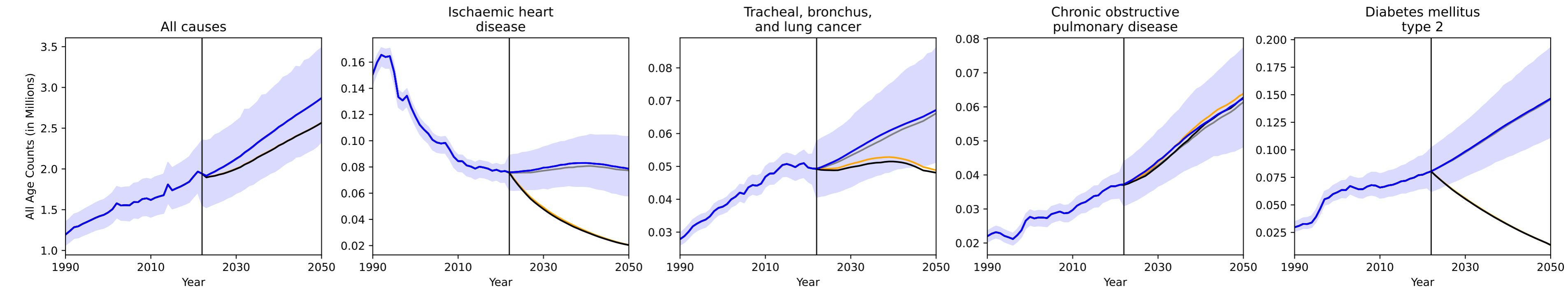
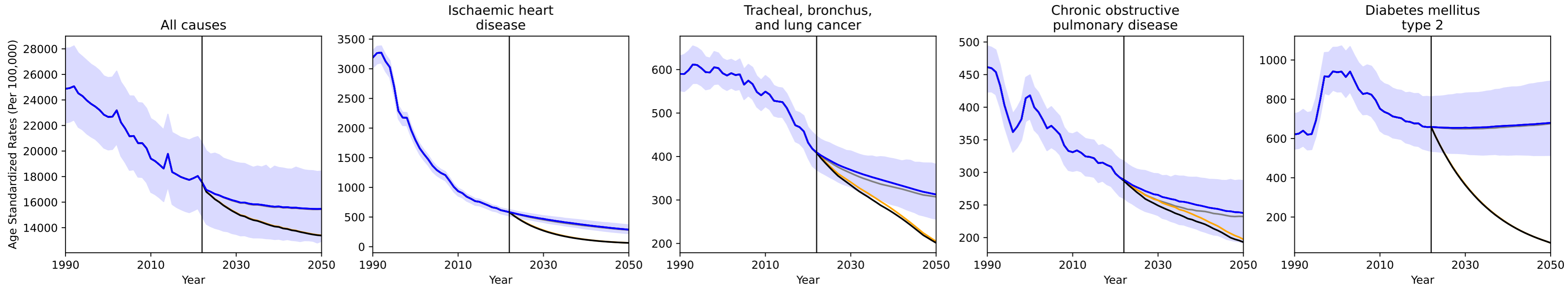




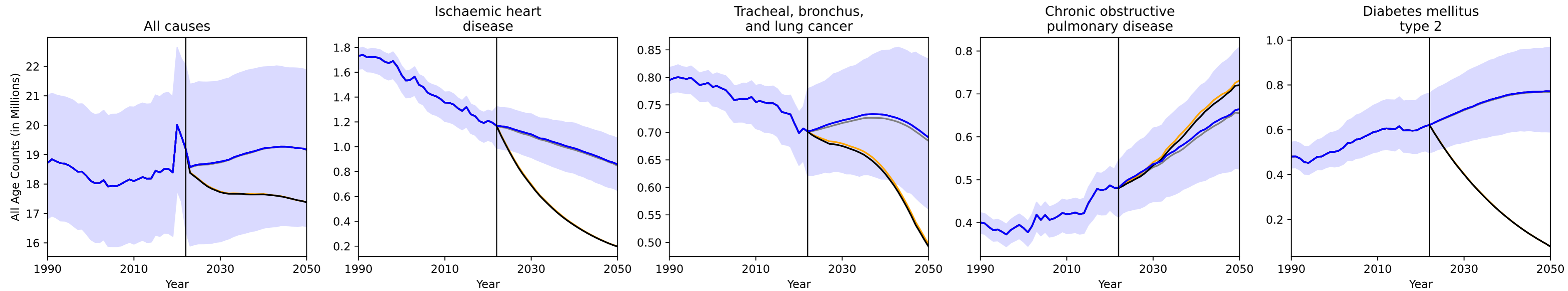
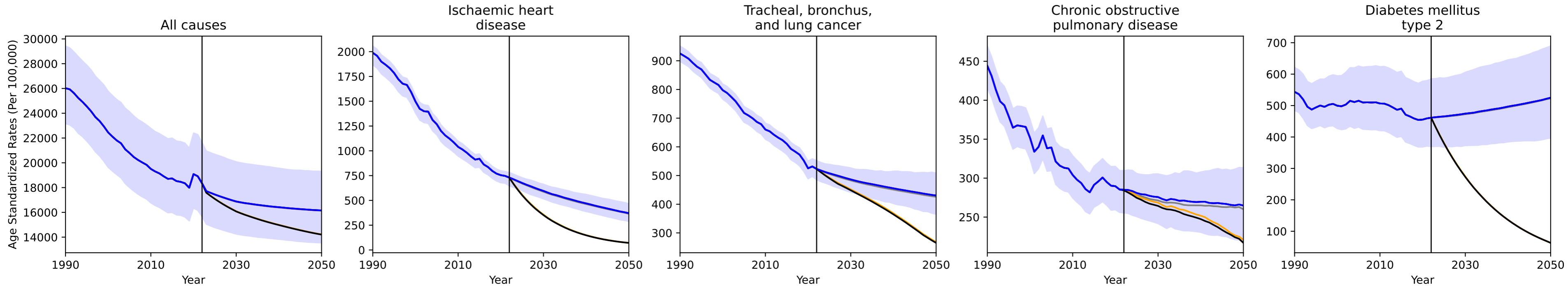
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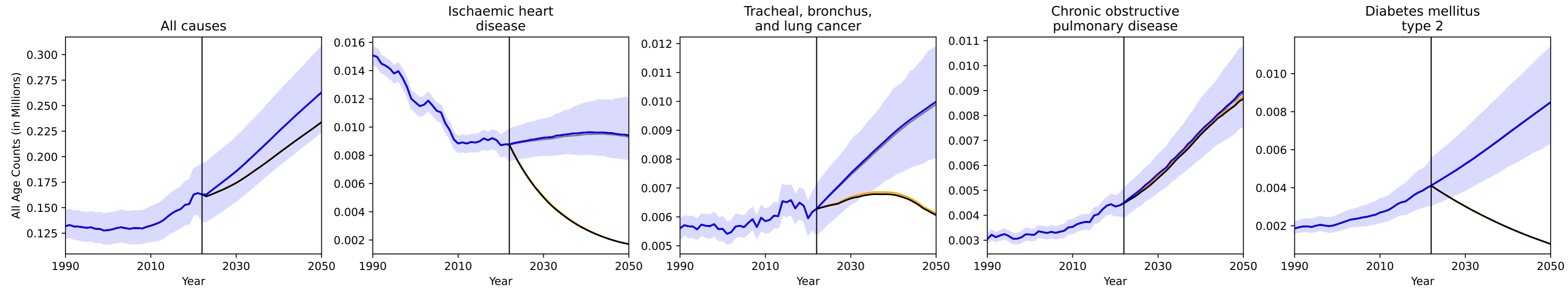
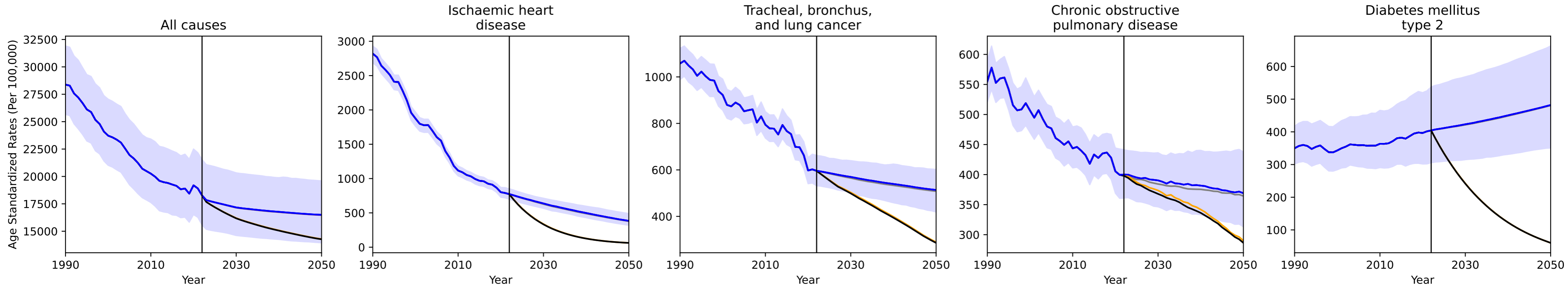
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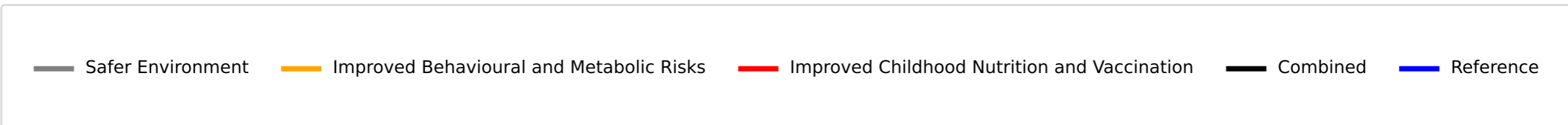
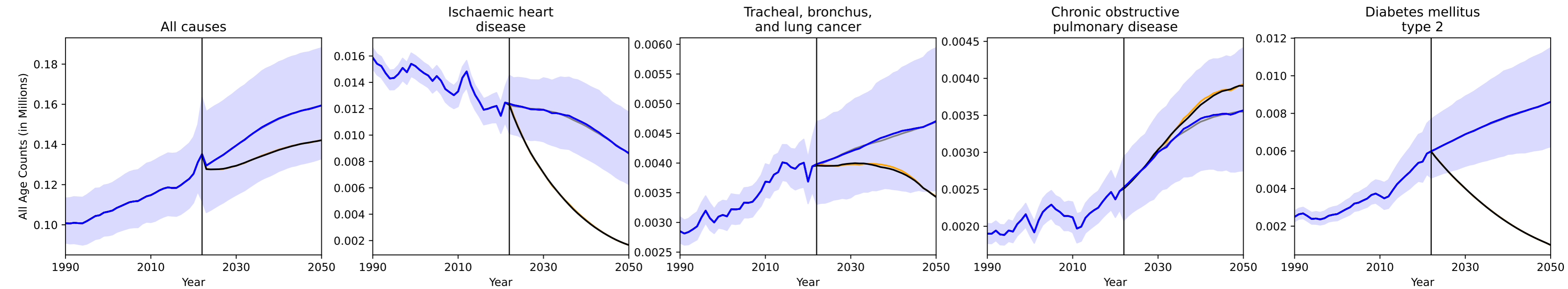
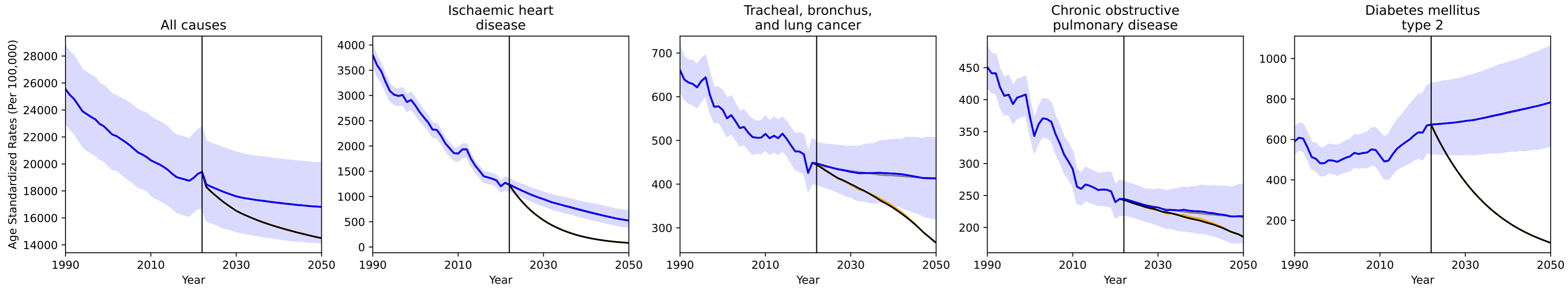
# Italy



# Luxembourg

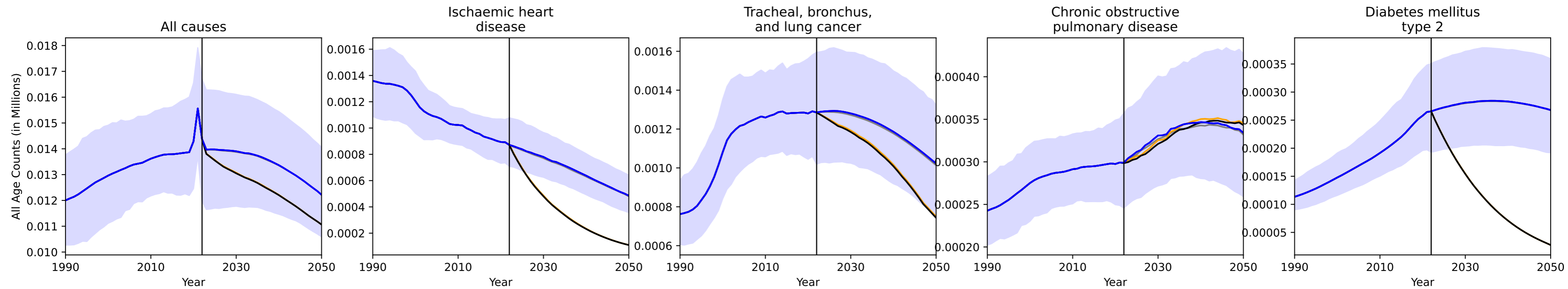
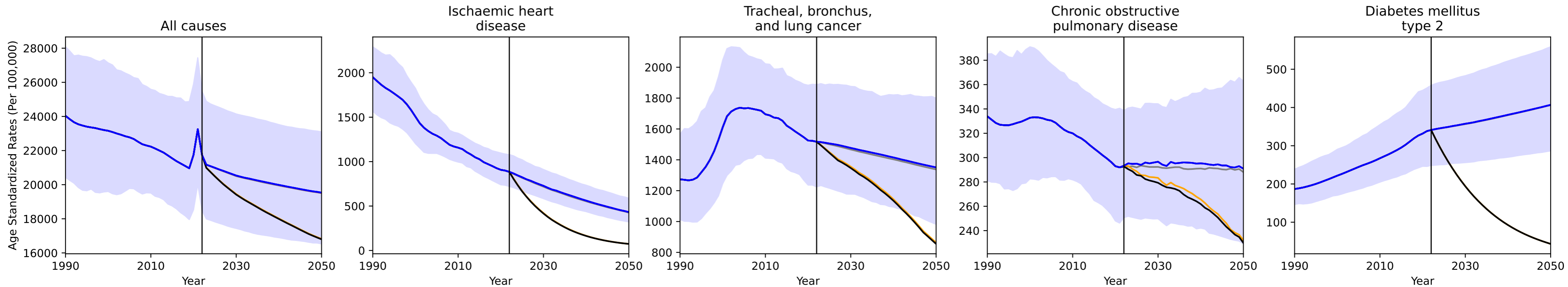


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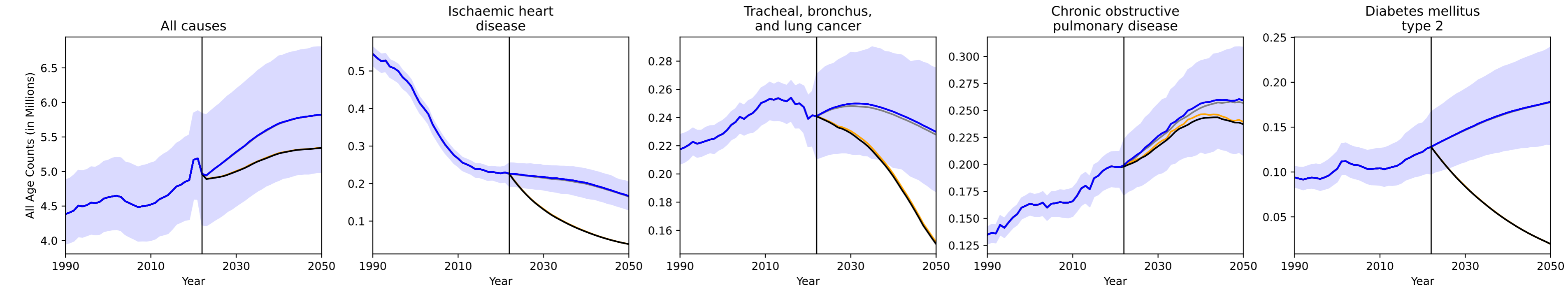
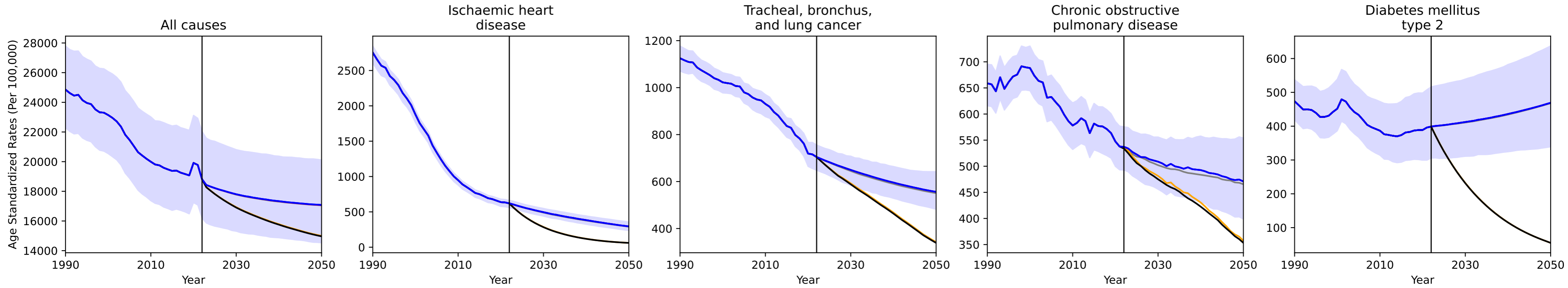


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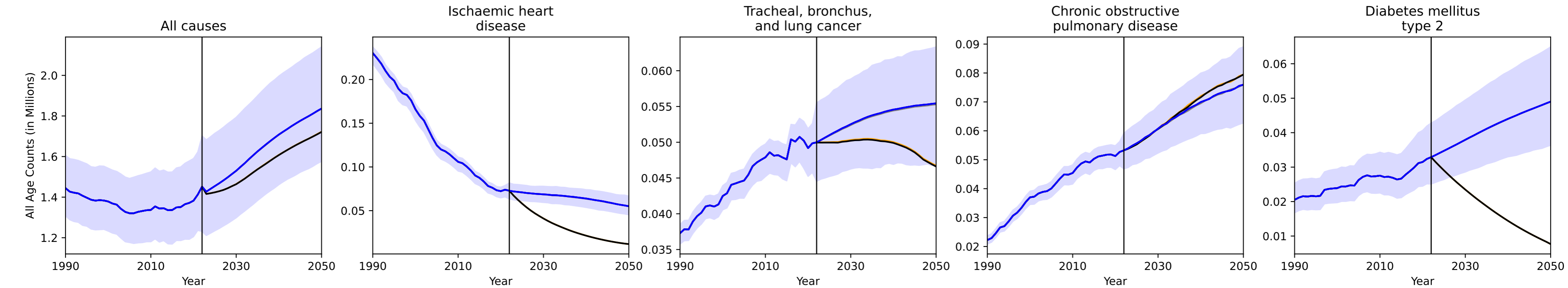
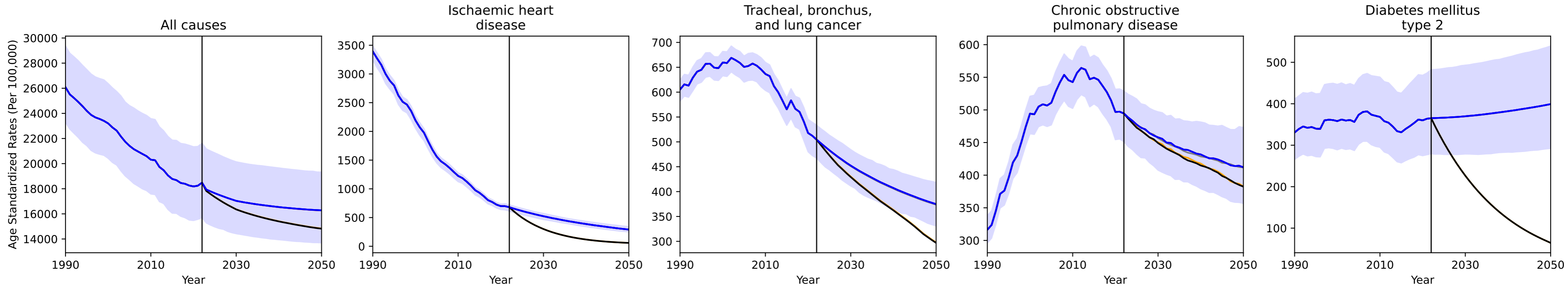
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



# Netherlands

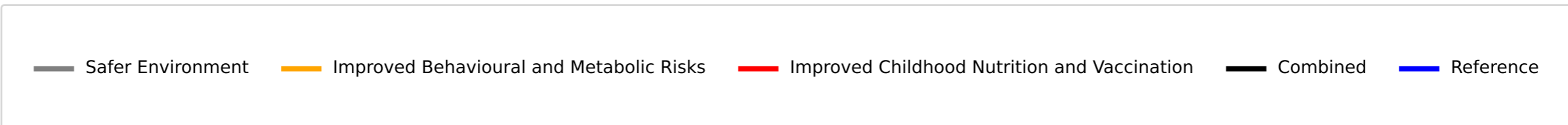
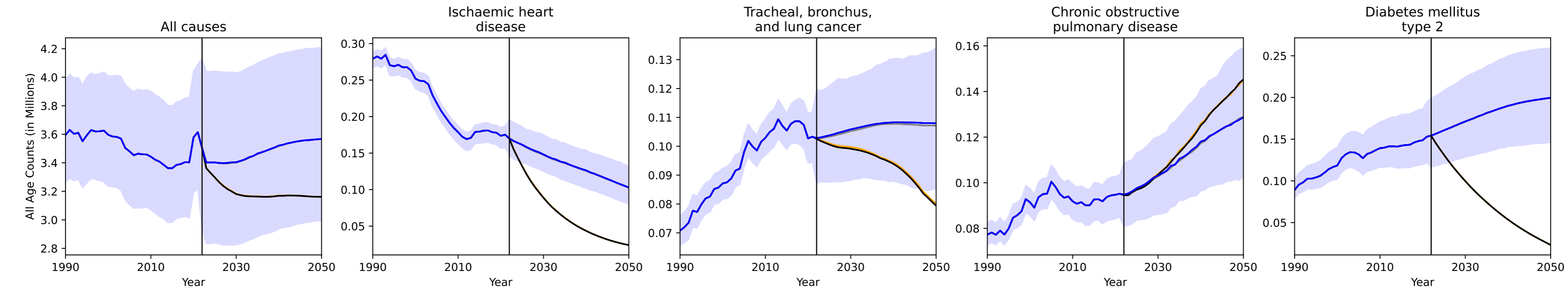
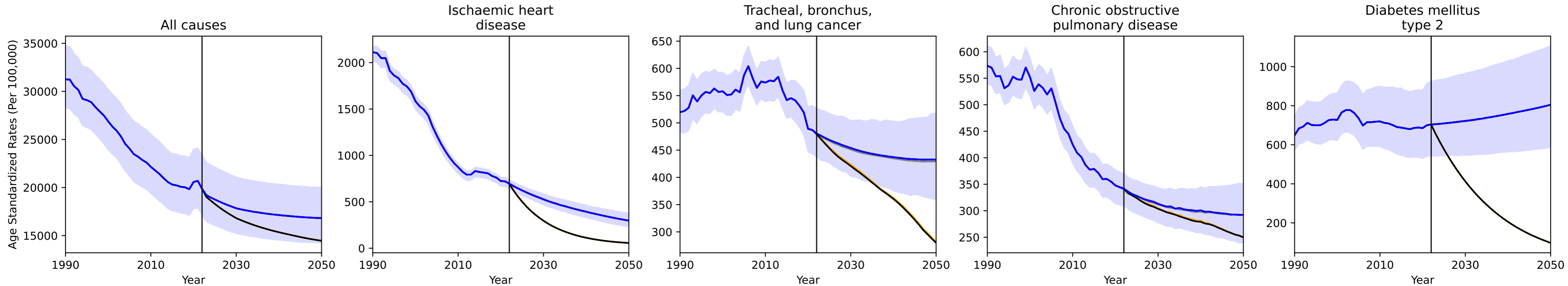


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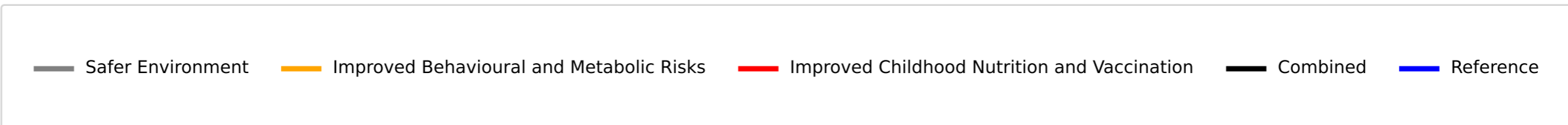
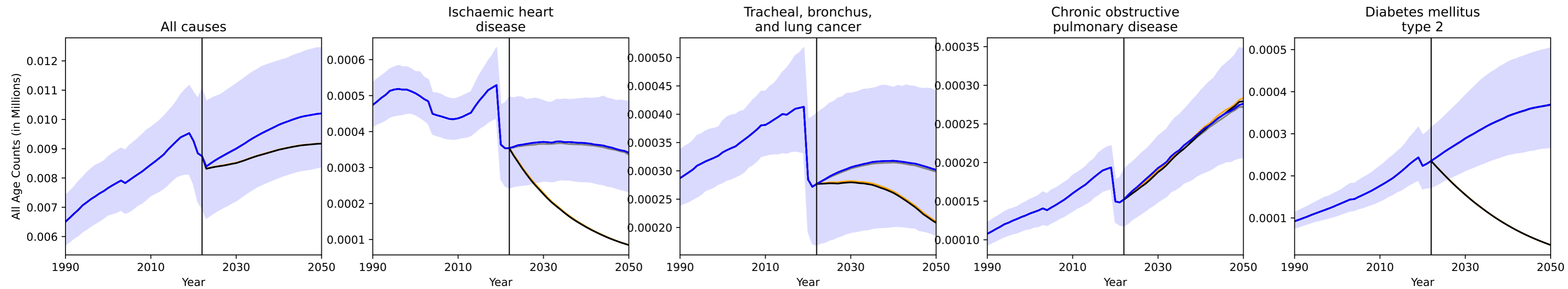
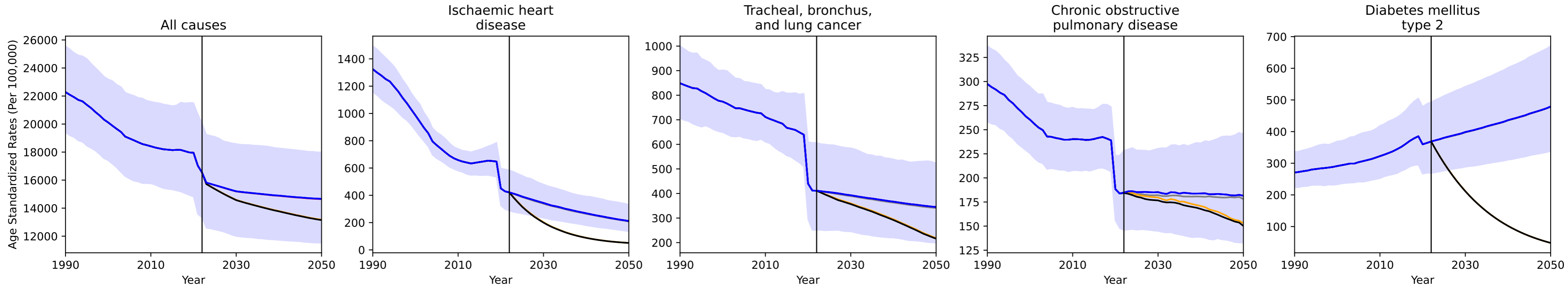




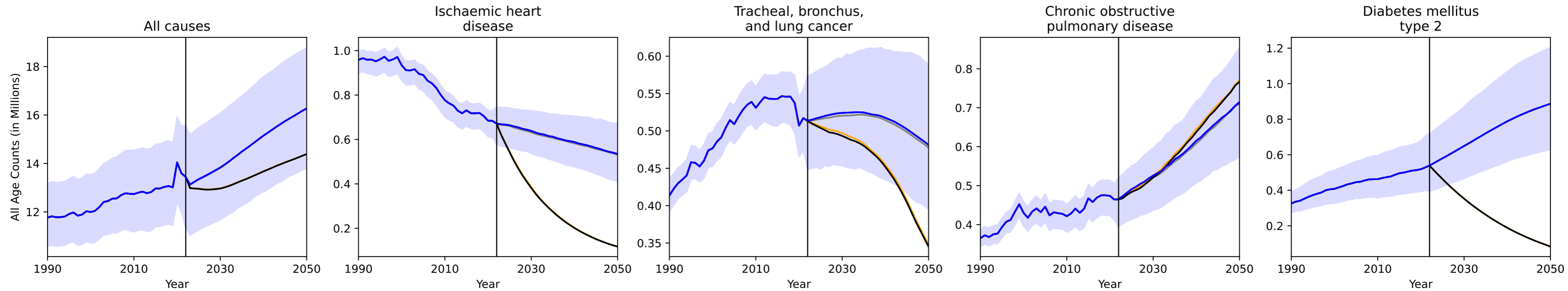
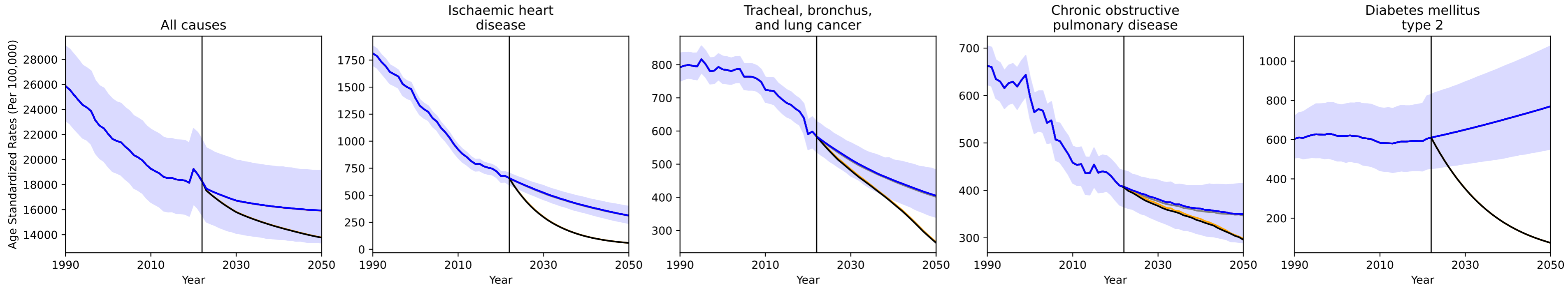
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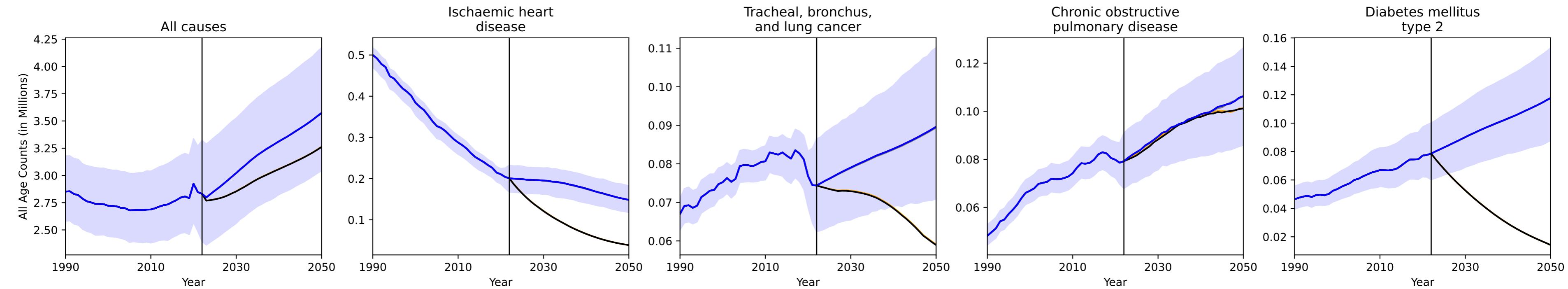
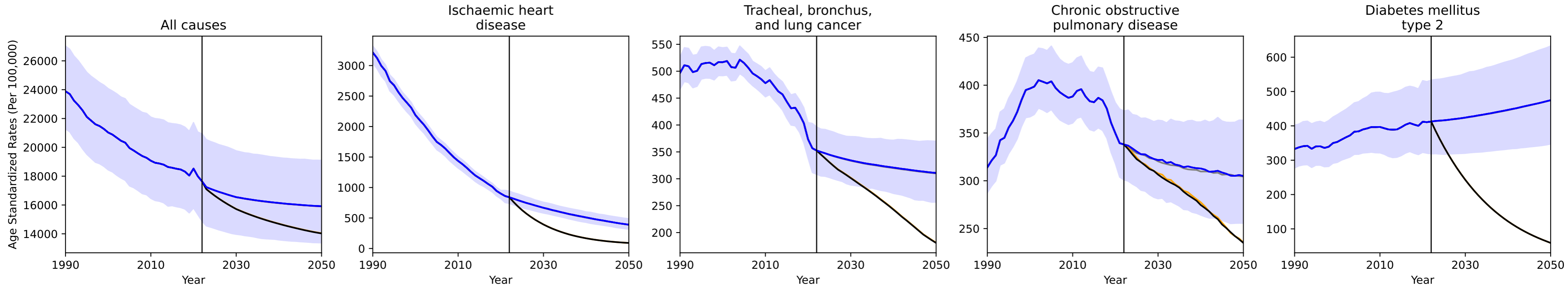
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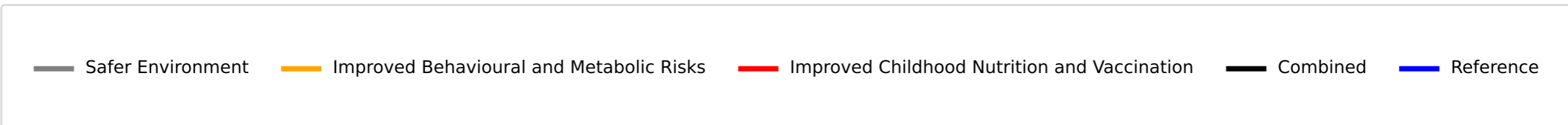
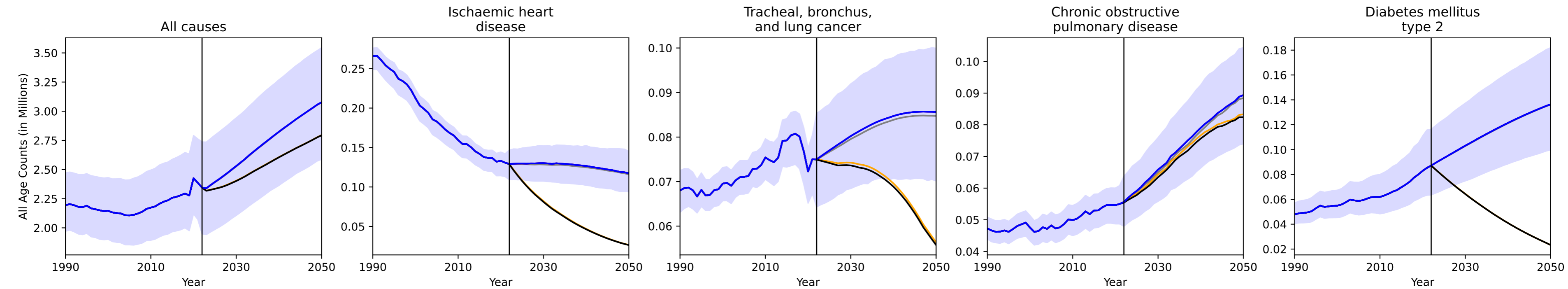
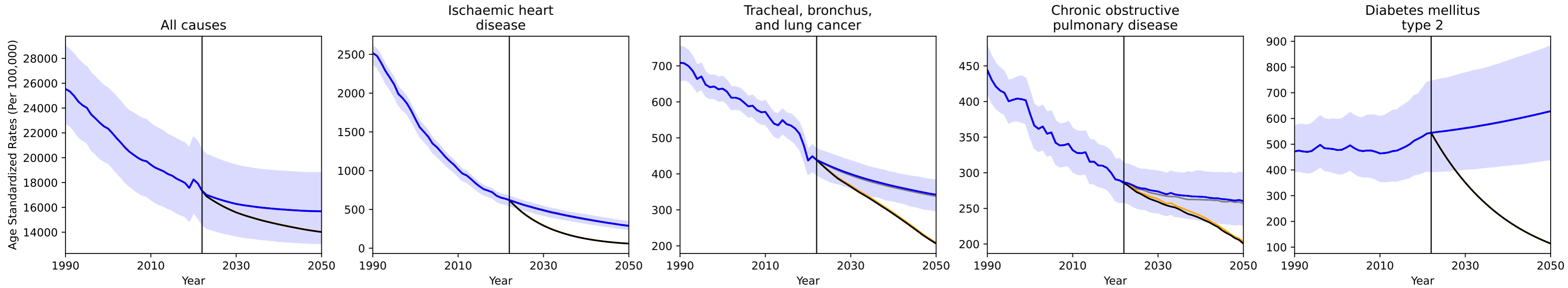
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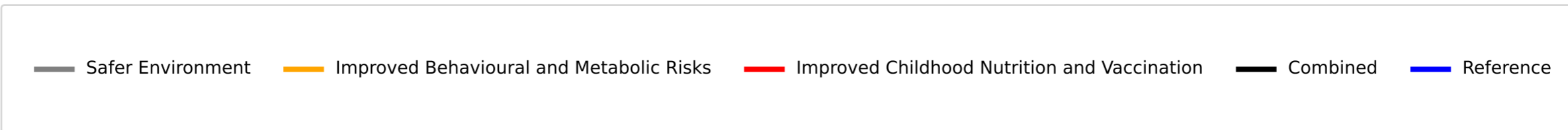
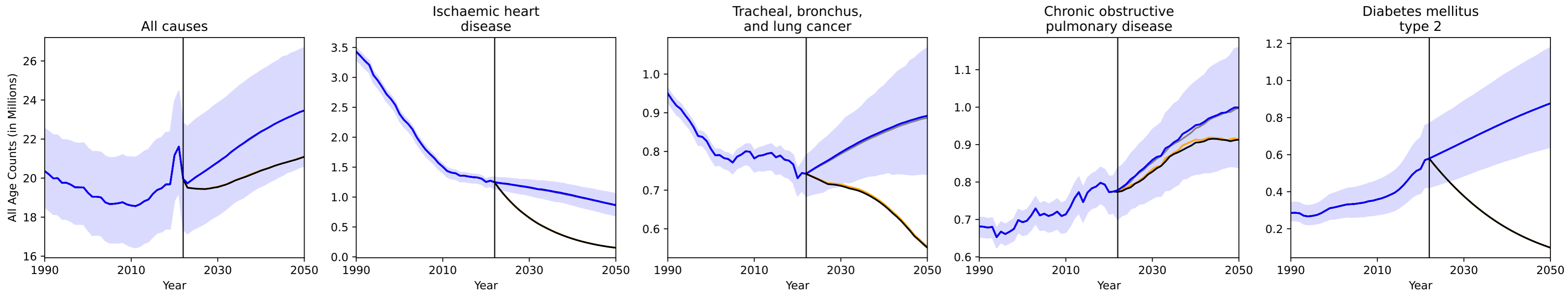
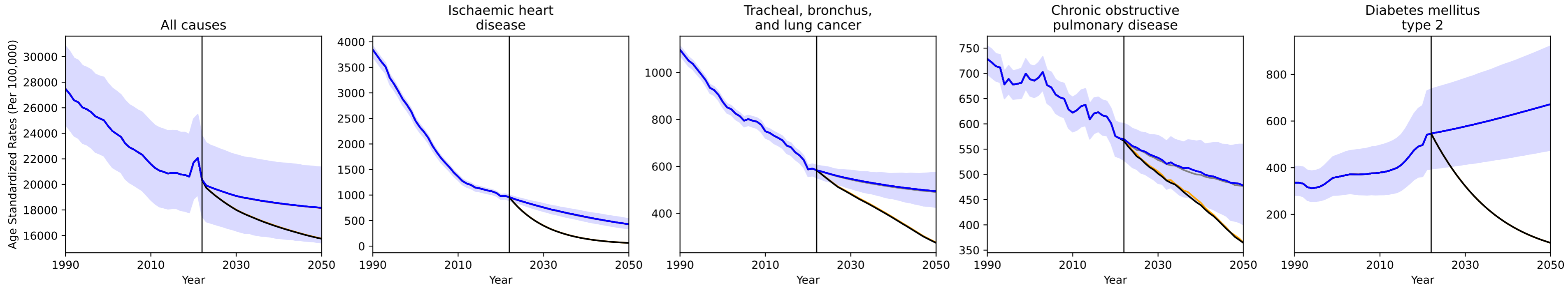
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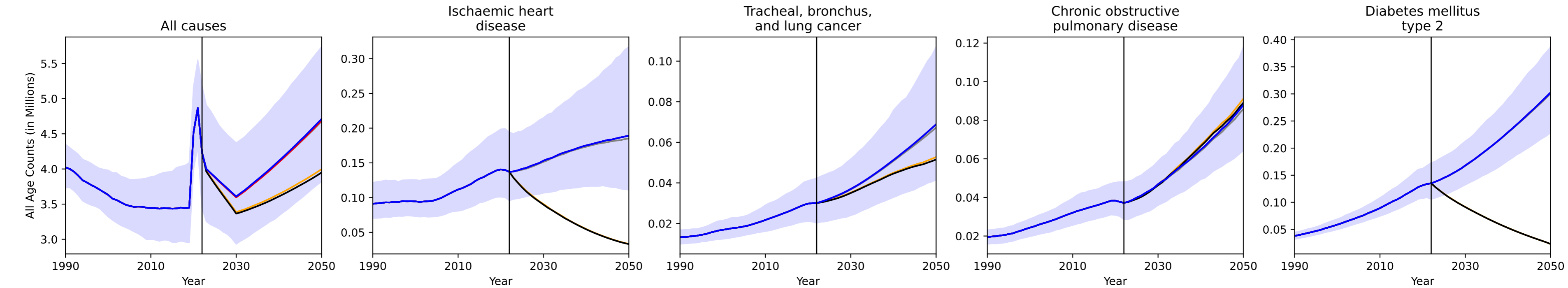
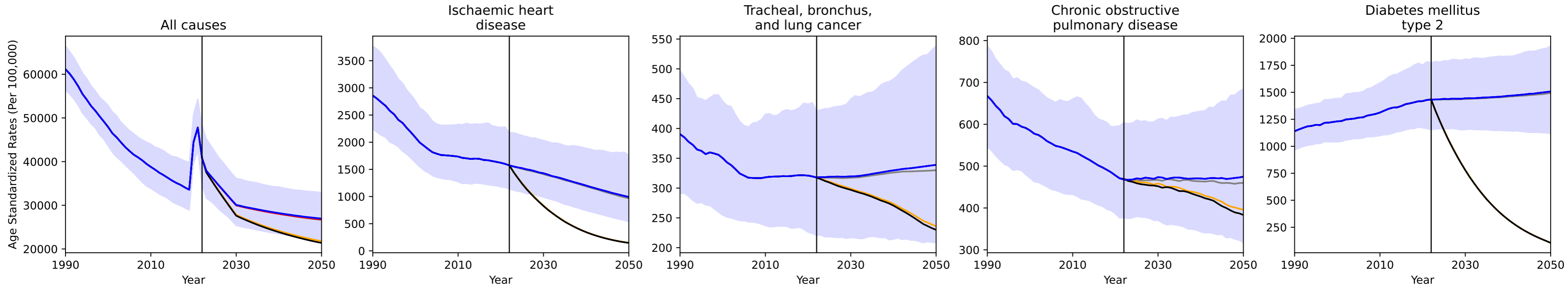
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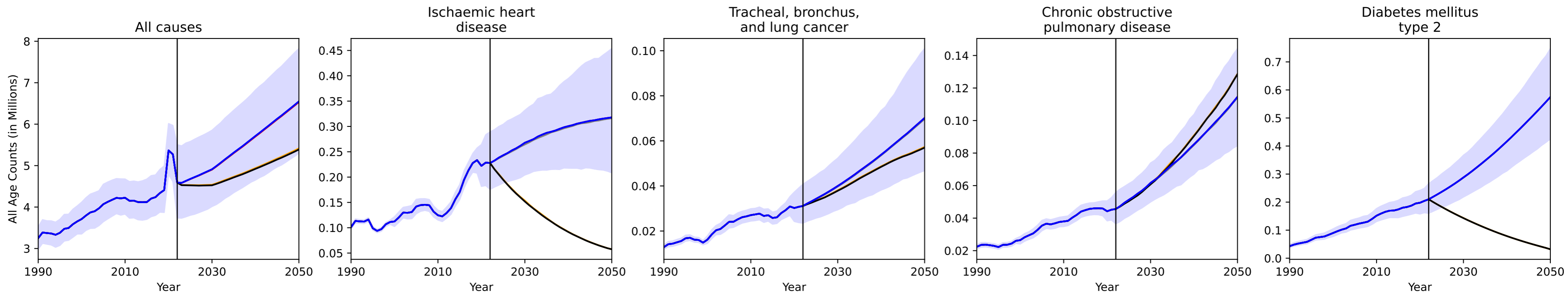
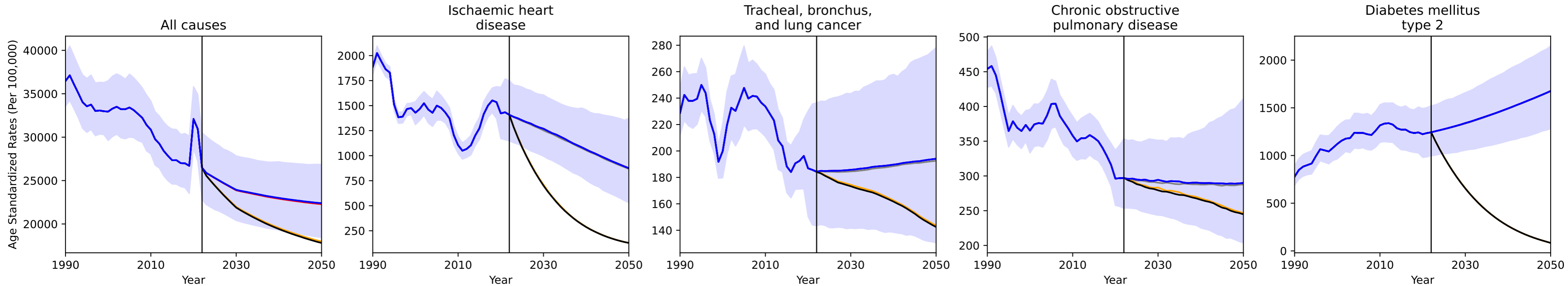
# UK



# Bolivia

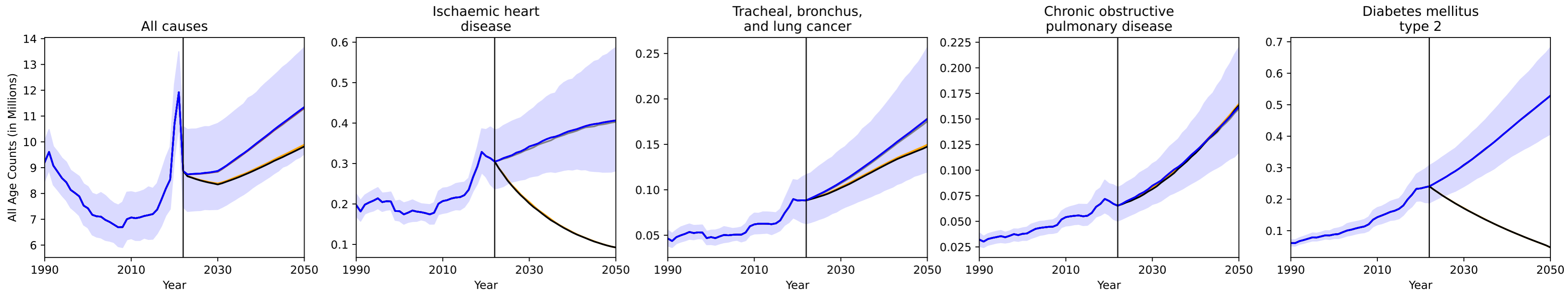
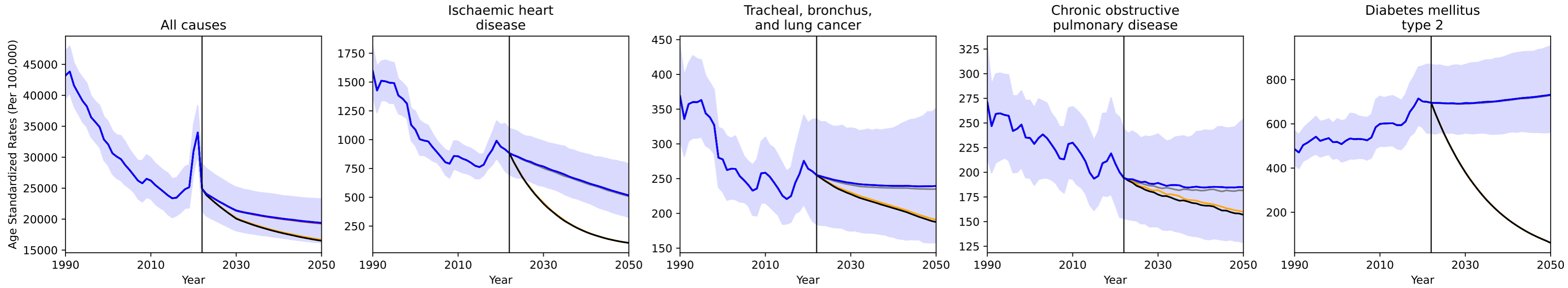


# Ecuador

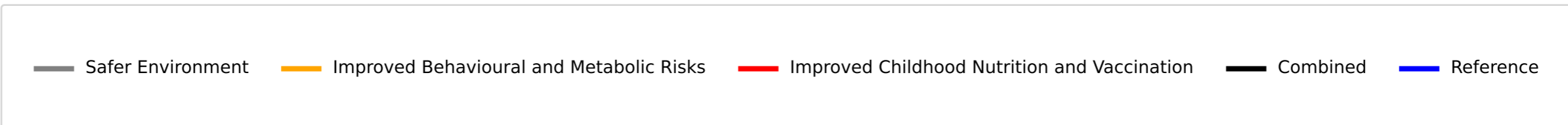
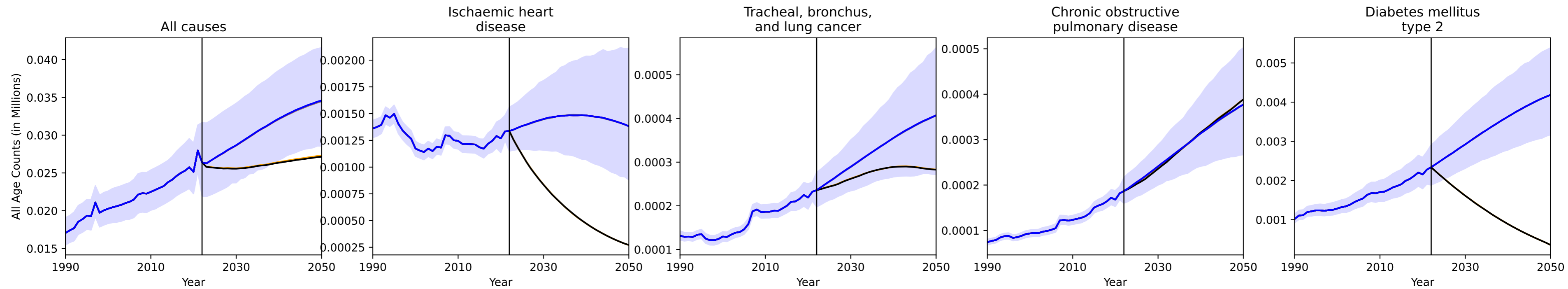
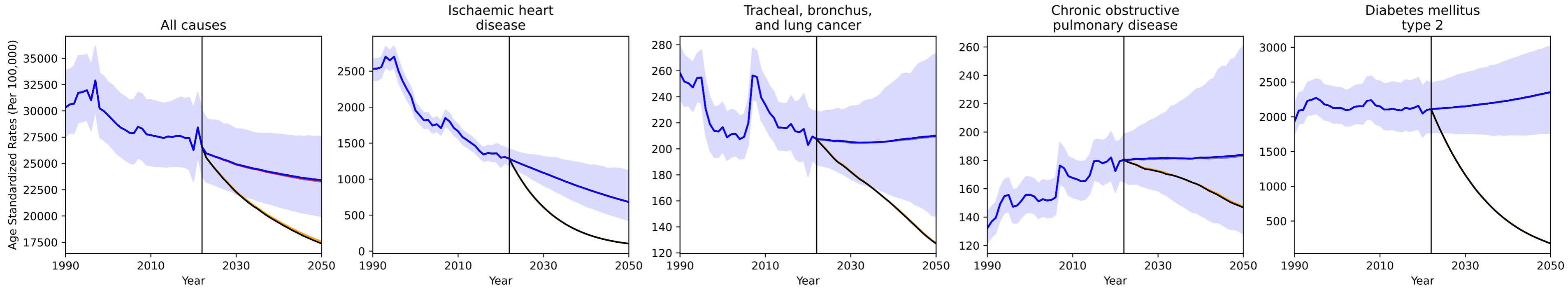




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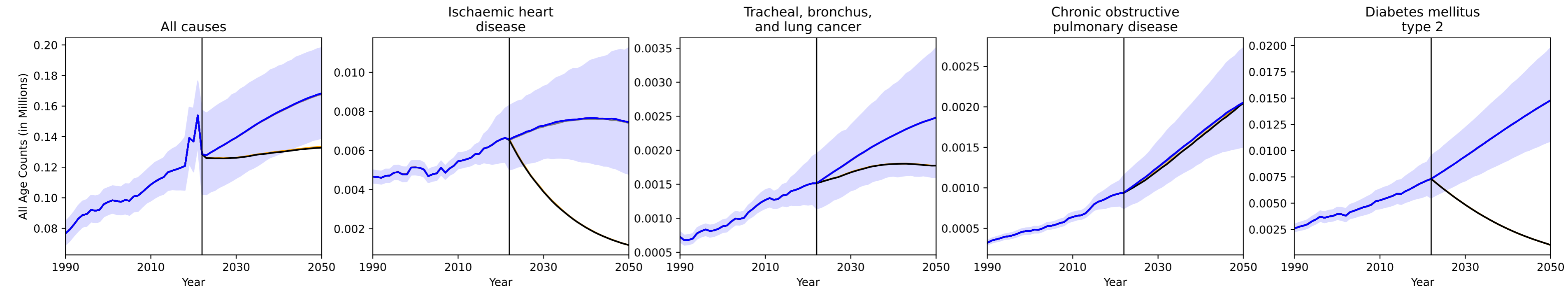
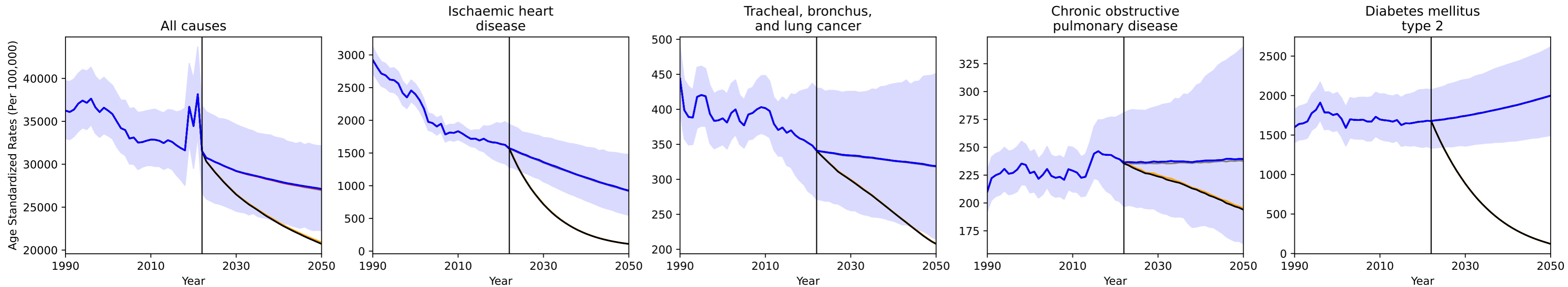


# Antigua And Barbuda

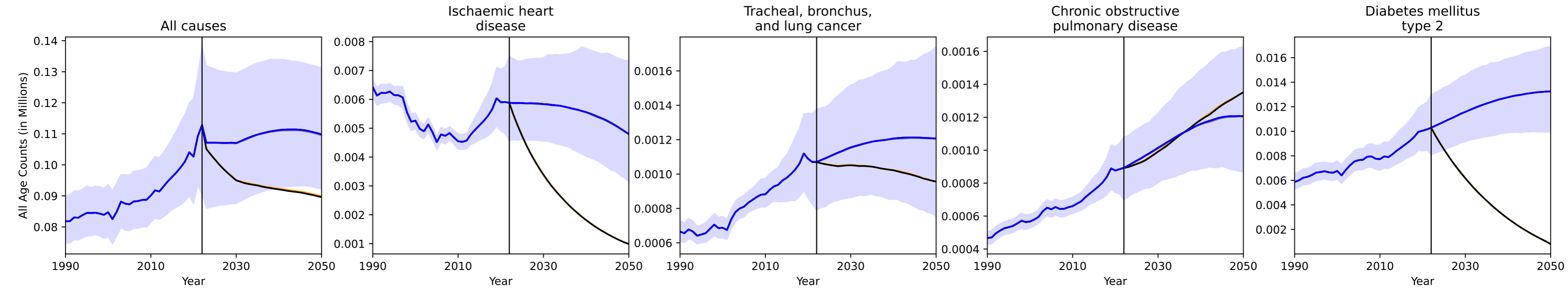
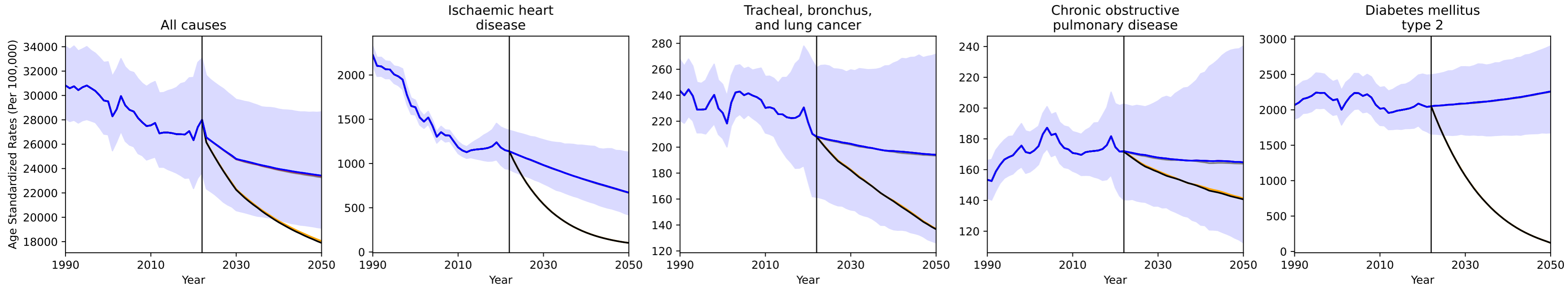


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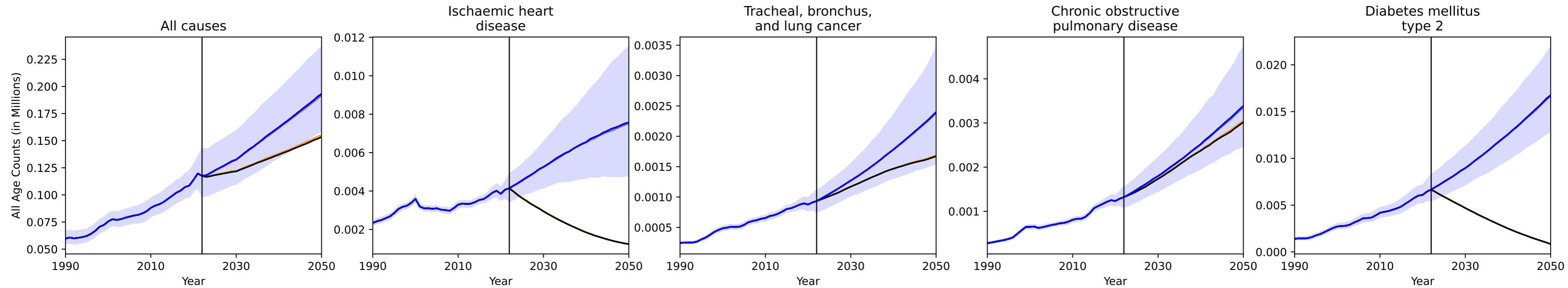
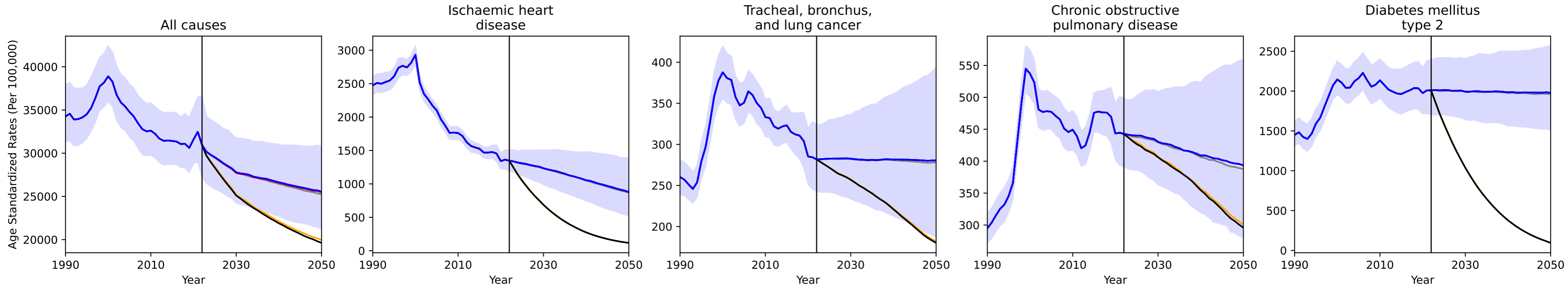
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



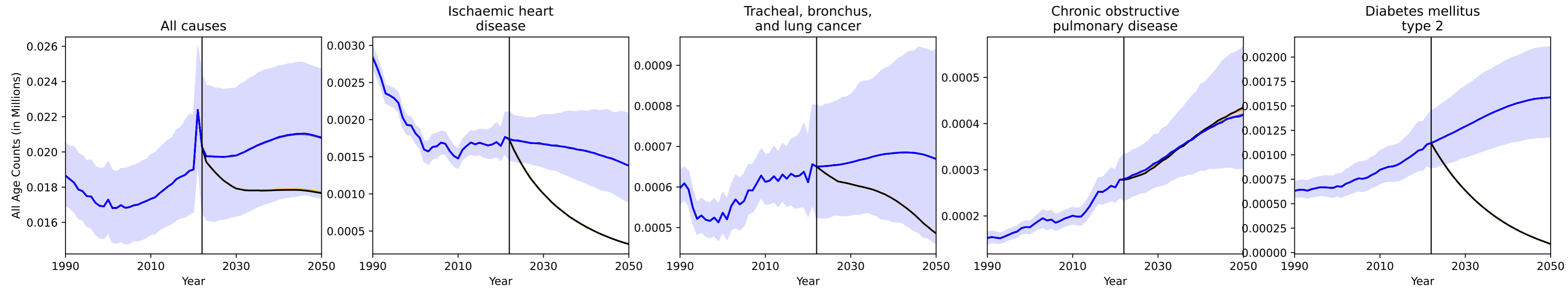
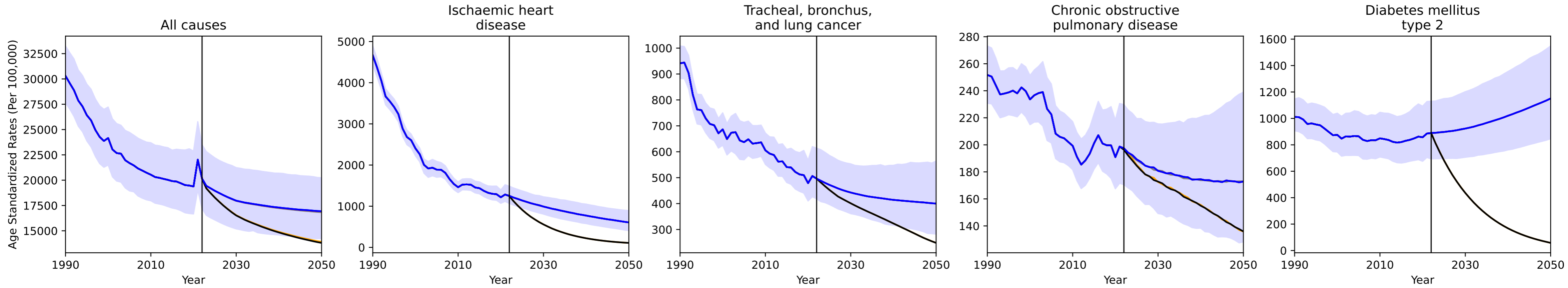
# Barbados



# Belize

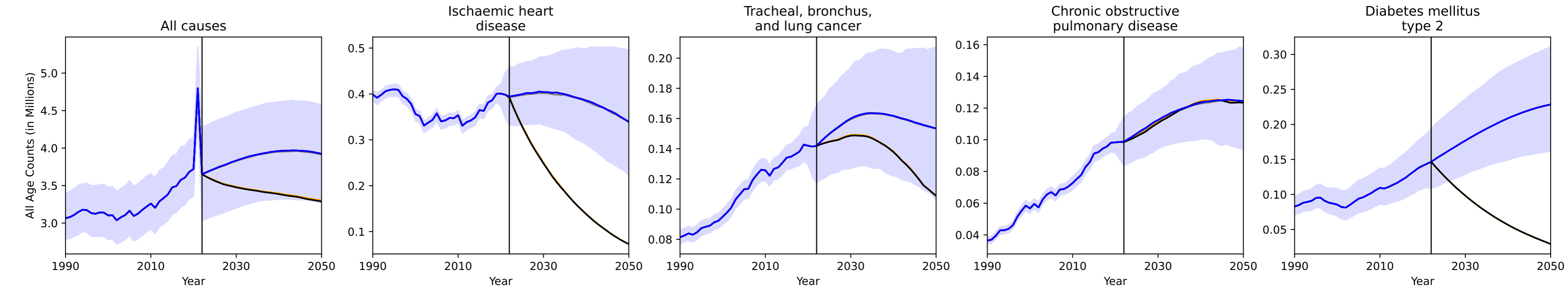
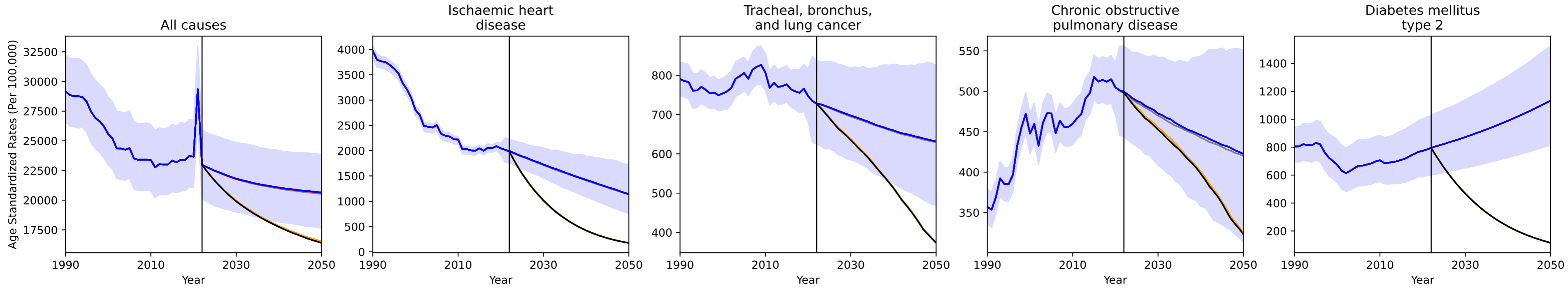


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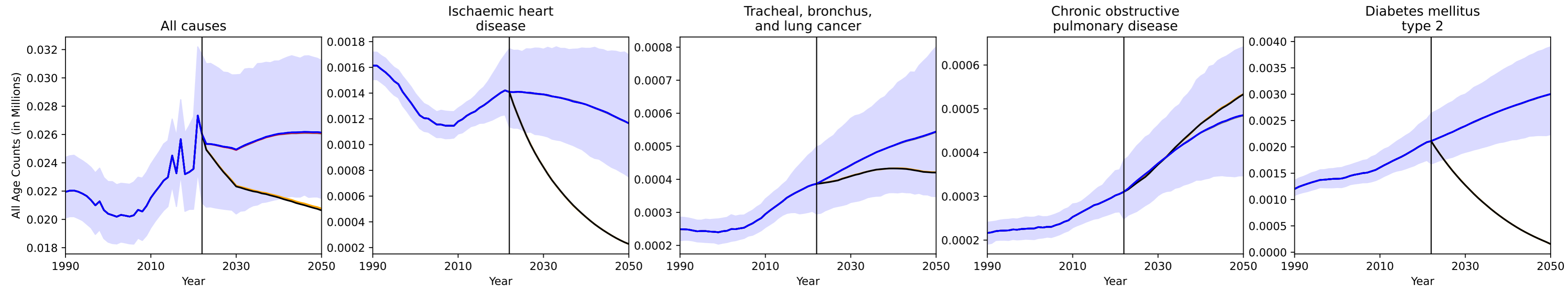
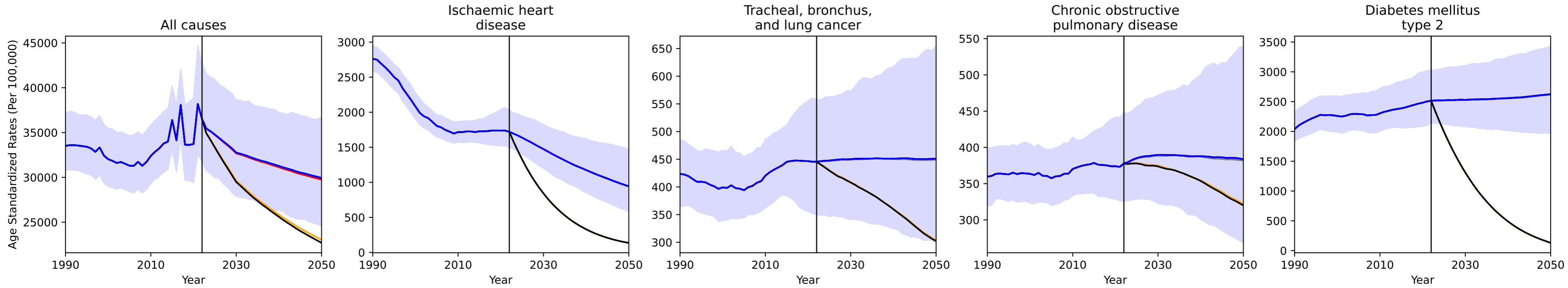


# Cuba

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



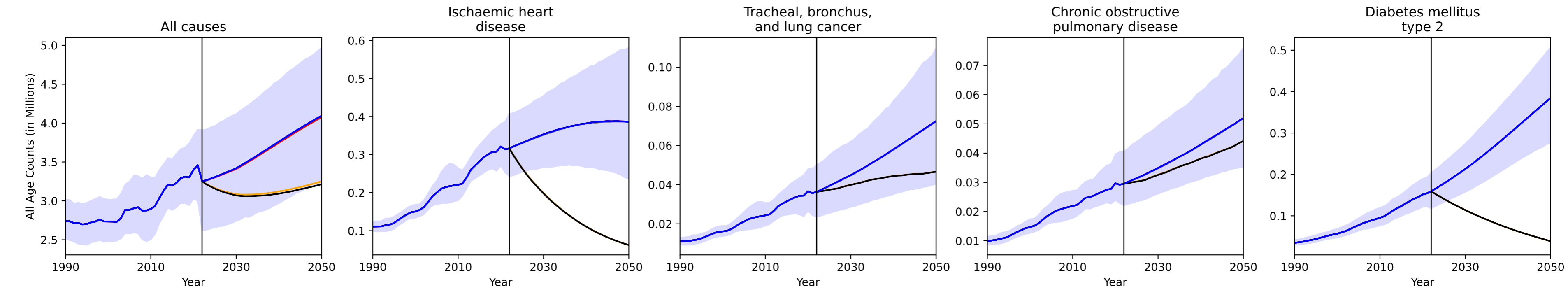
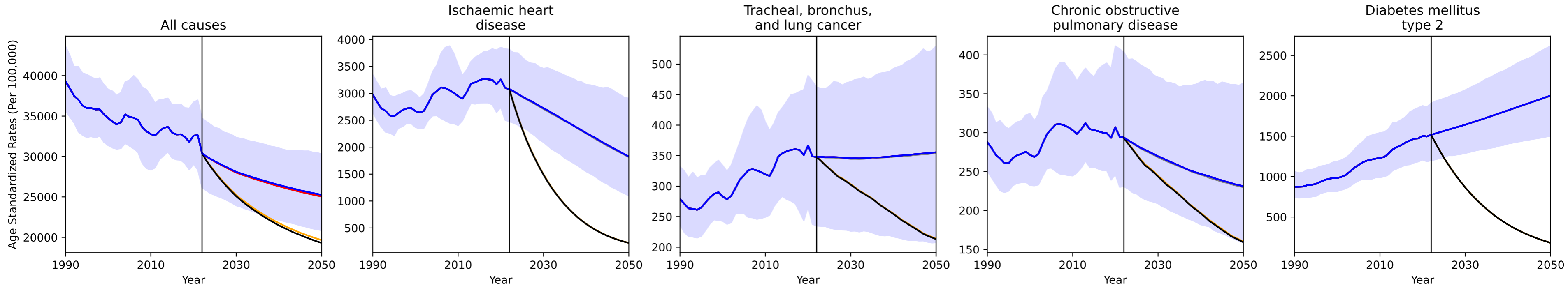
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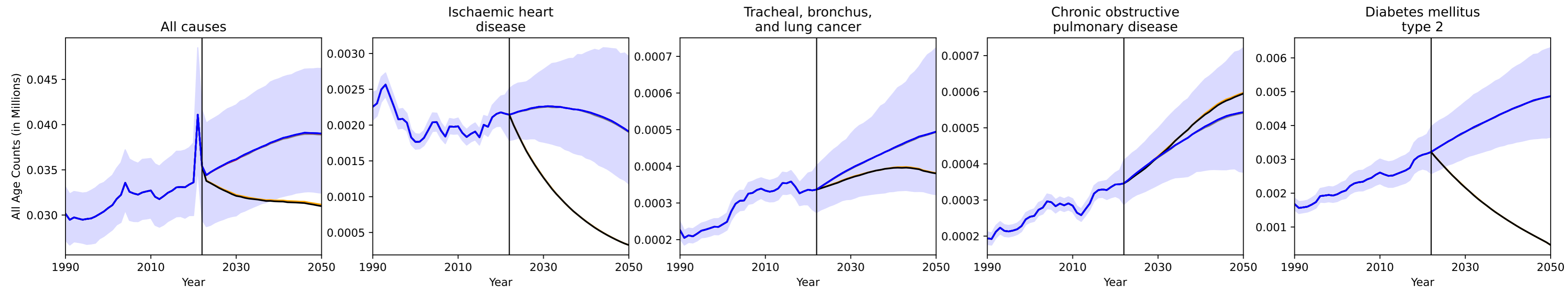
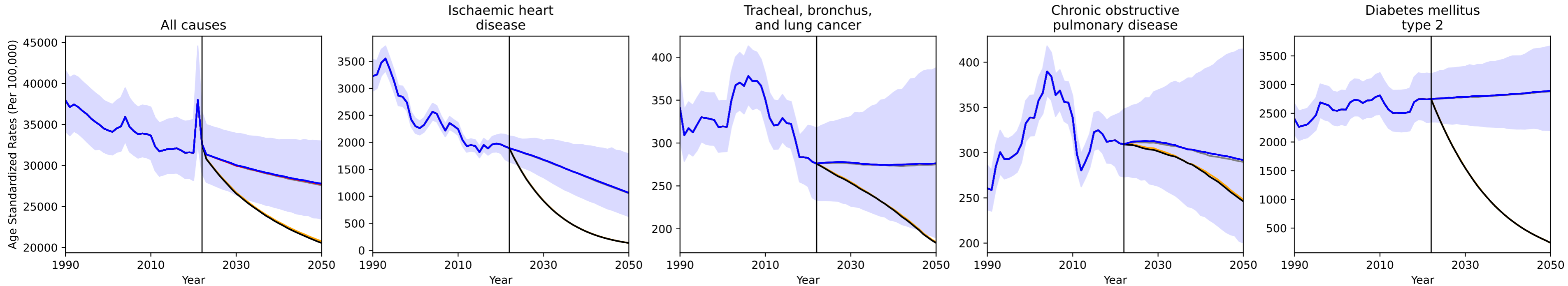


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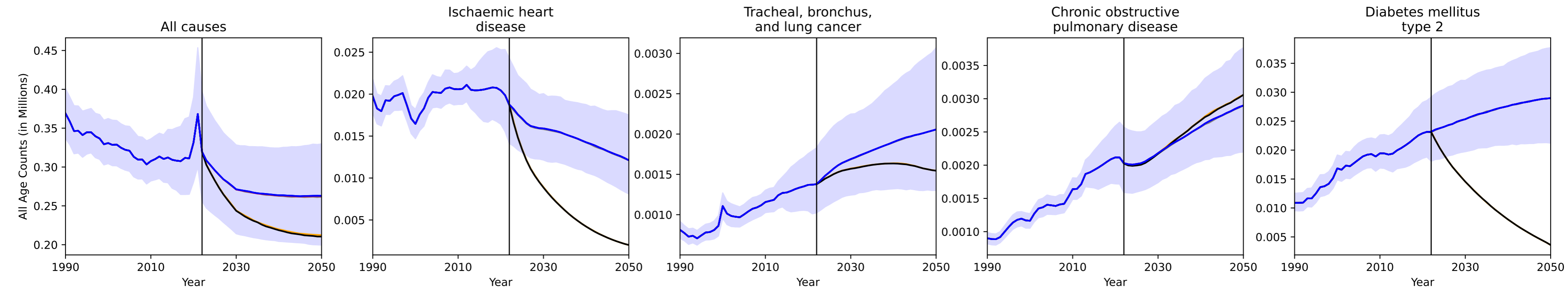
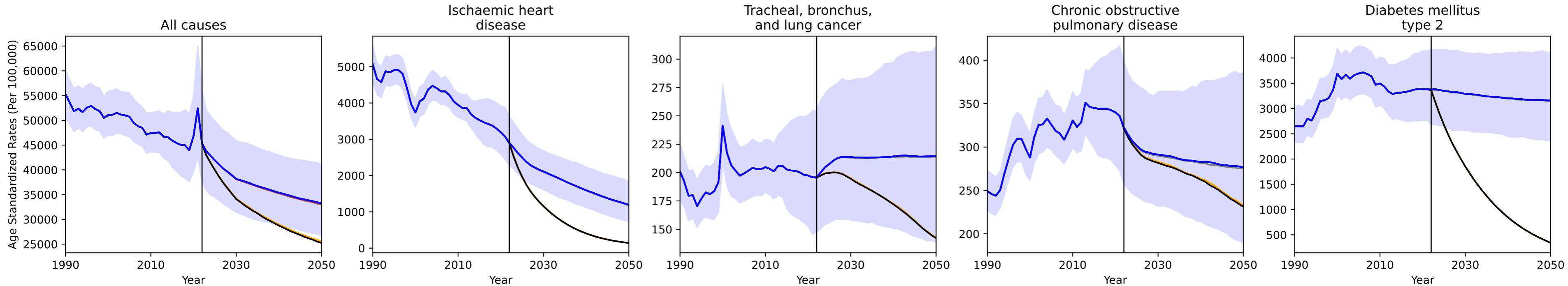
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



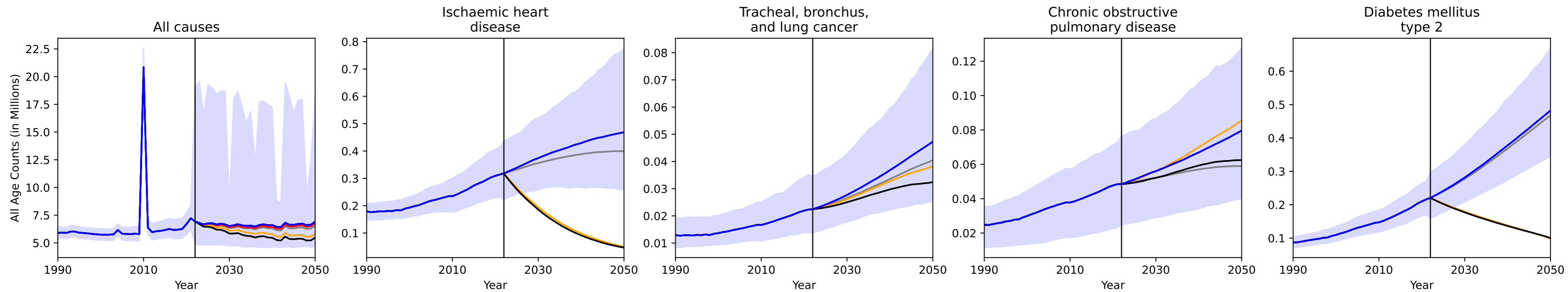
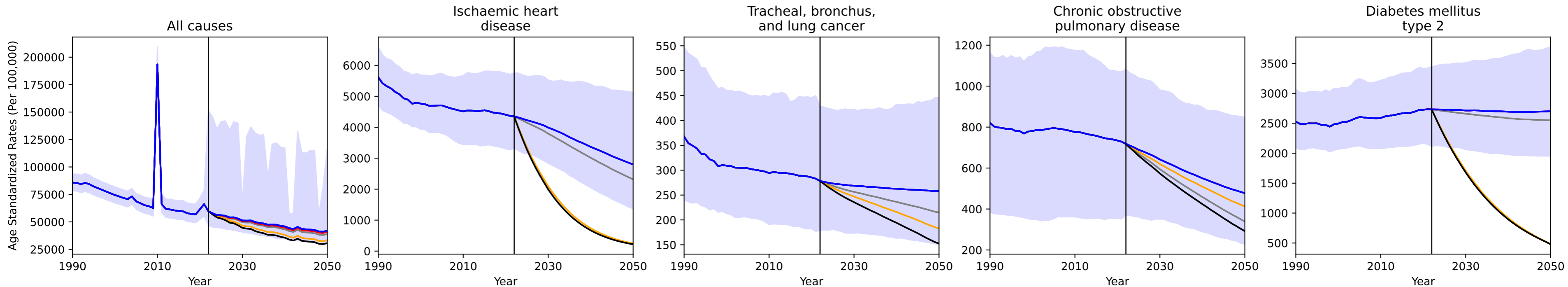
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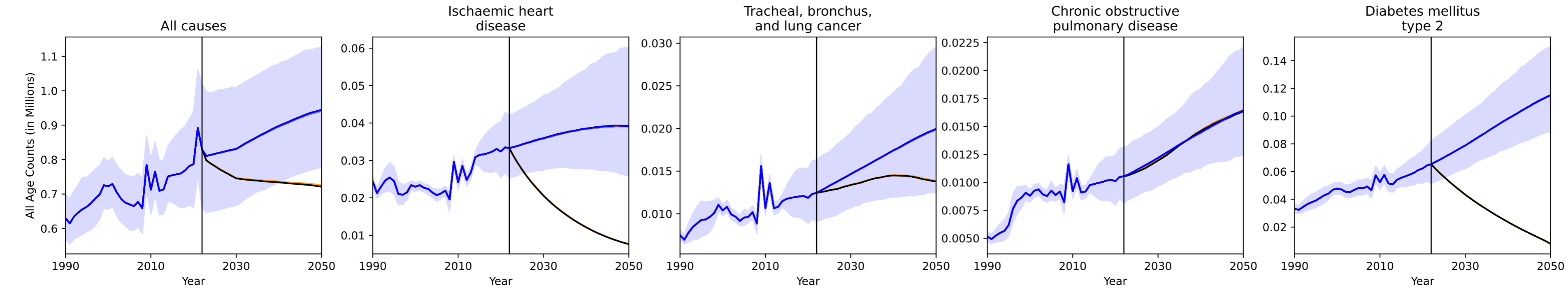
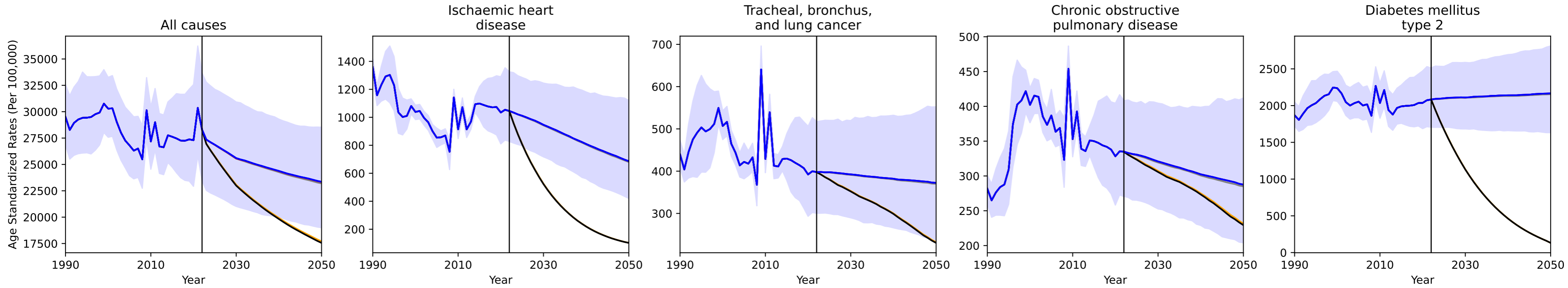
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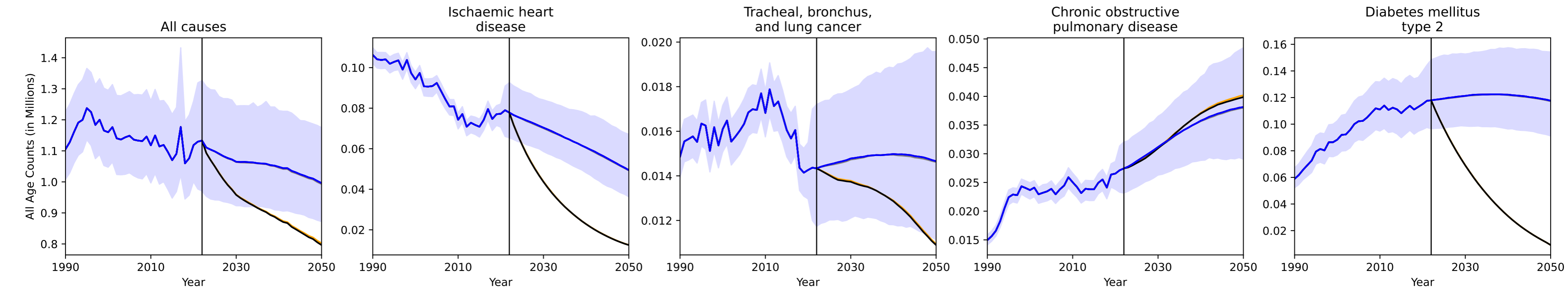
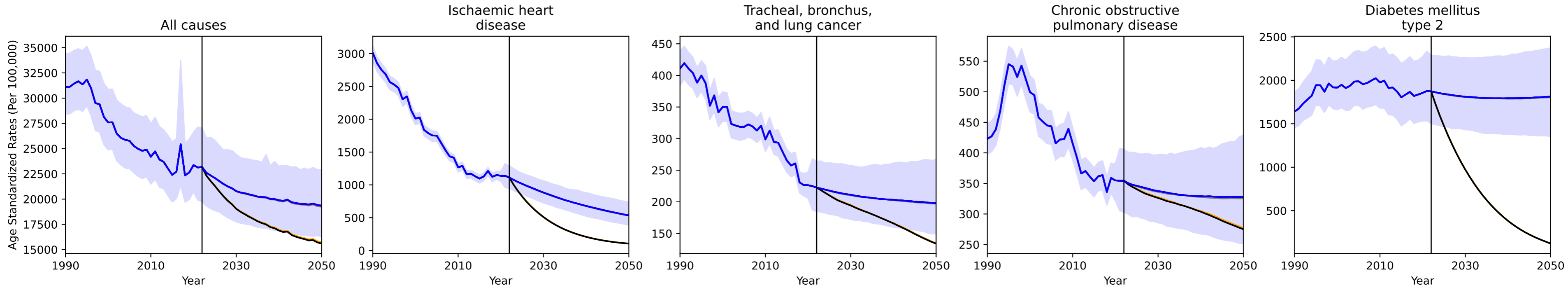
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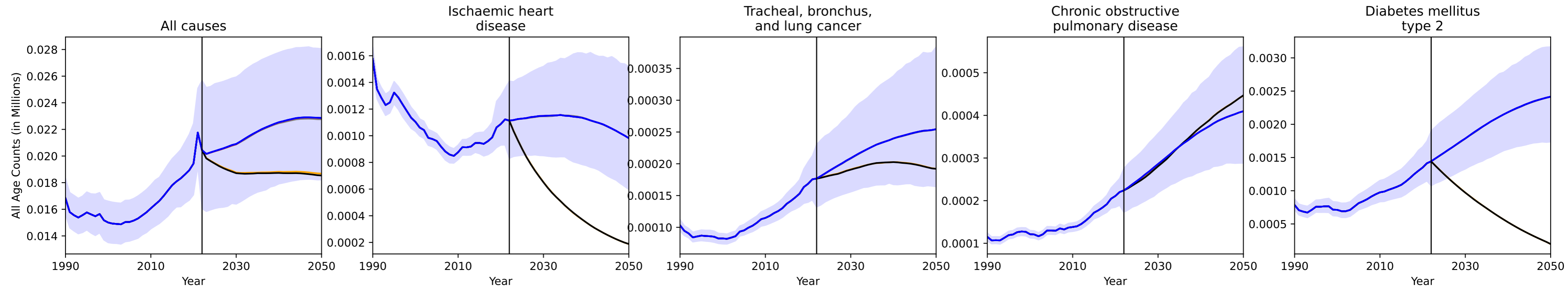
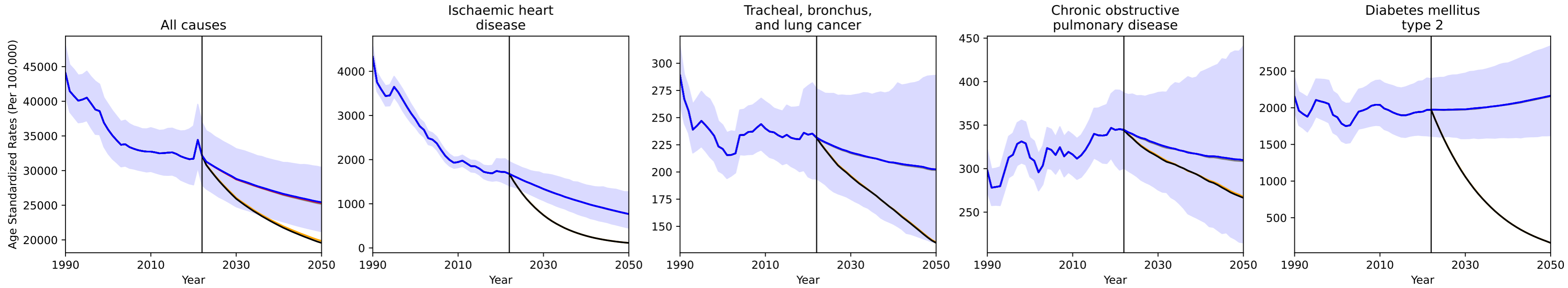
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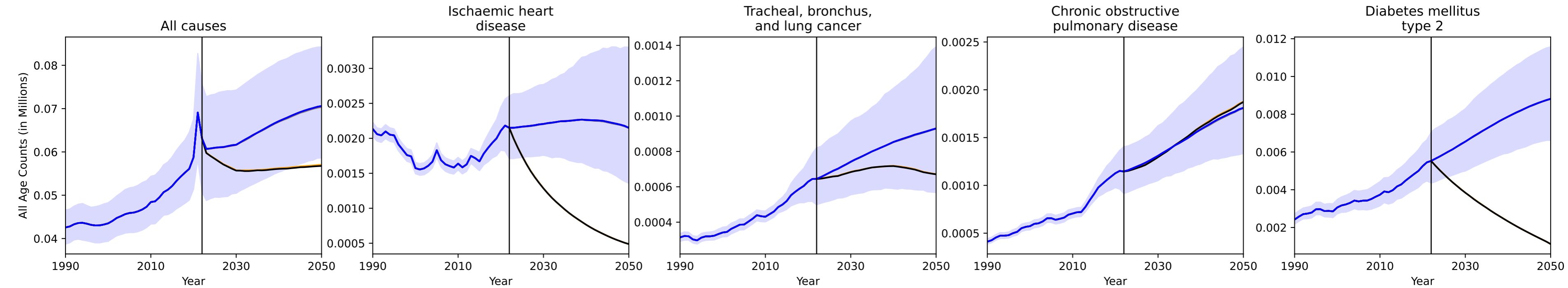
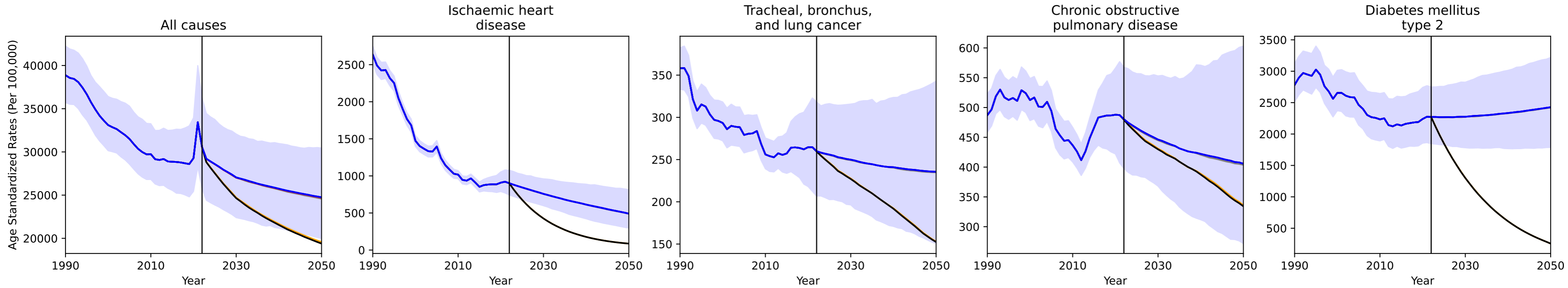
# Puerto Rico



# Saint Kitts And Nevis

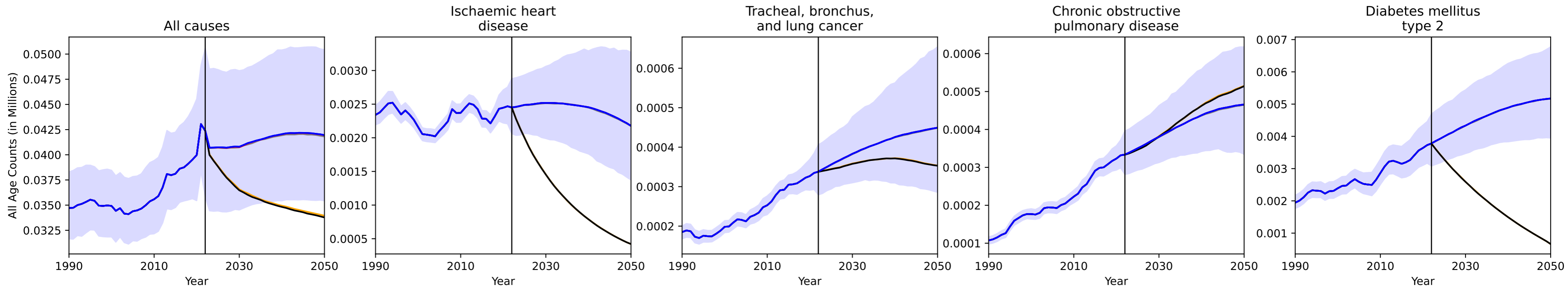
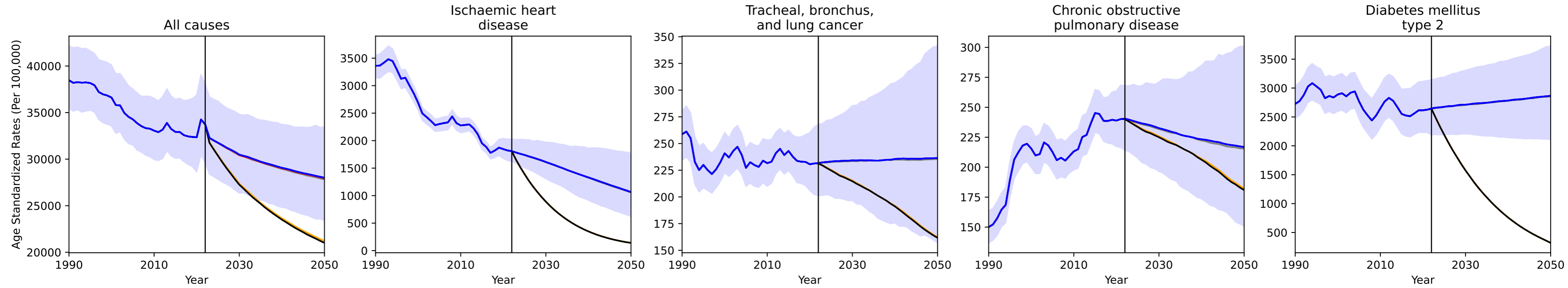


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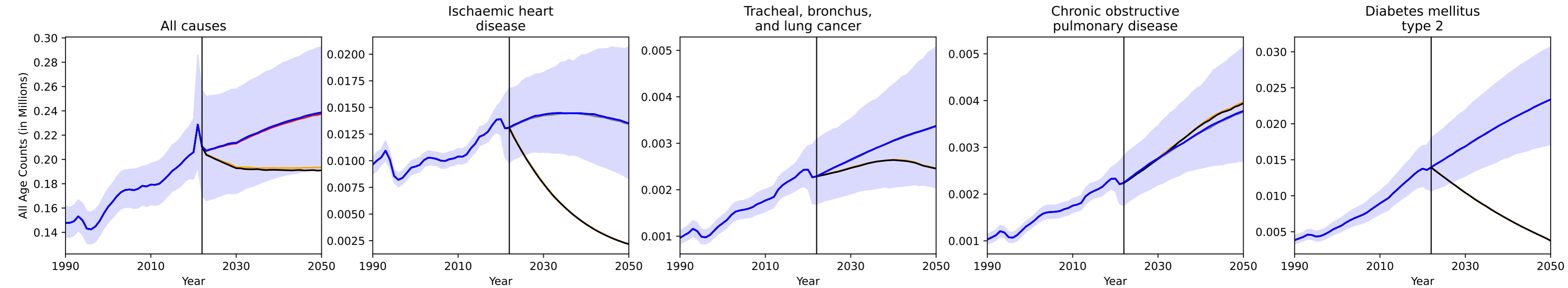
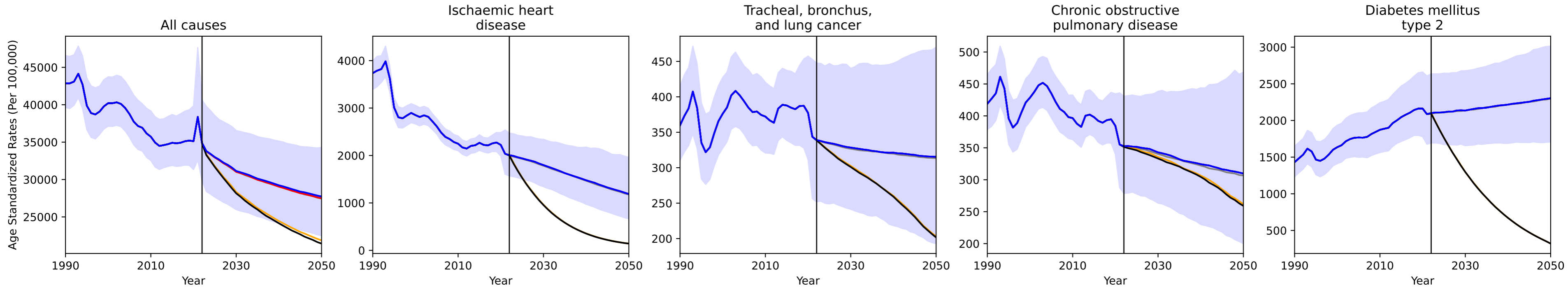




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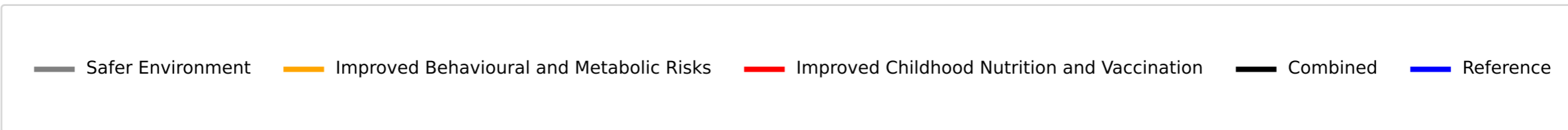
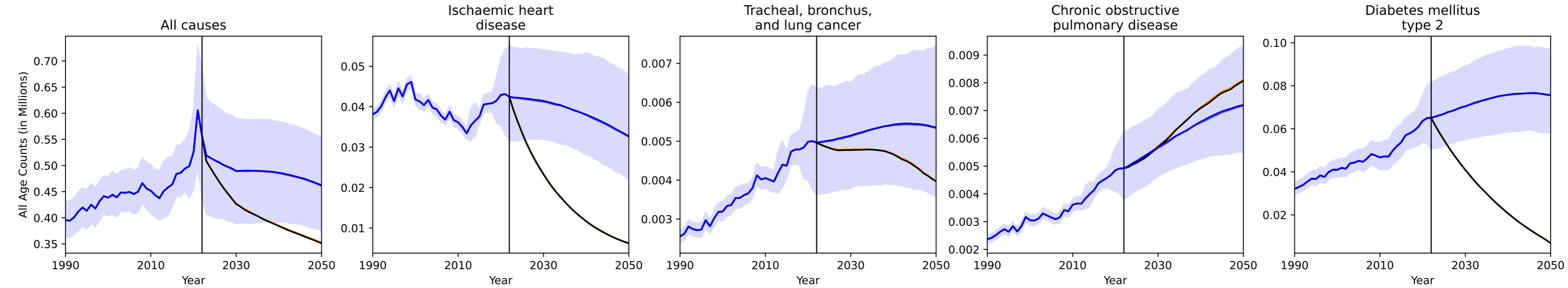
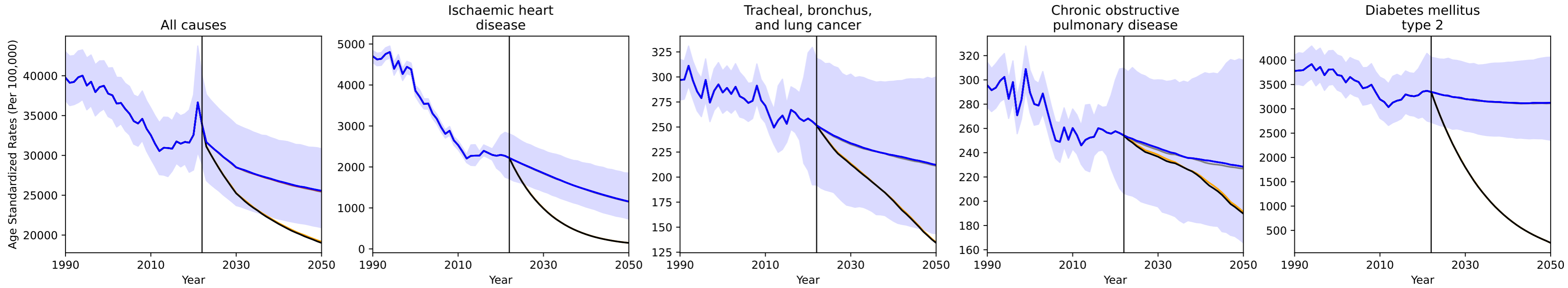


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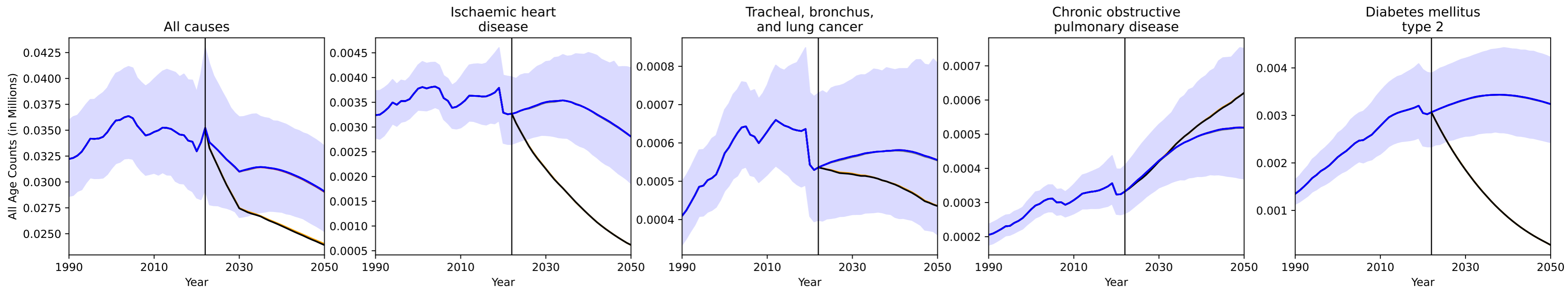
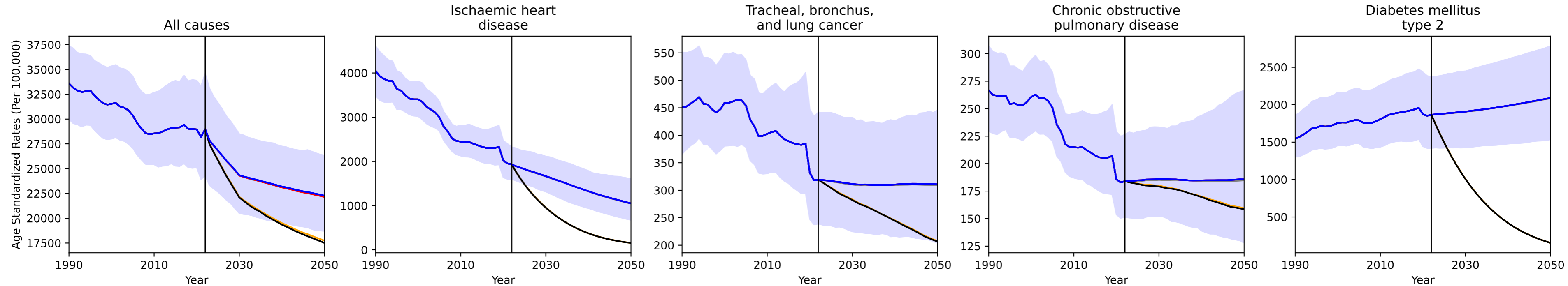
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Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

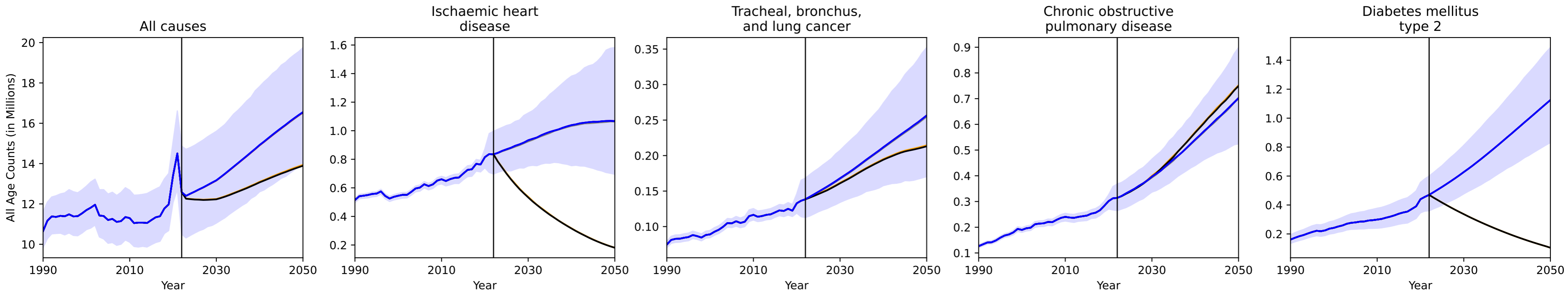
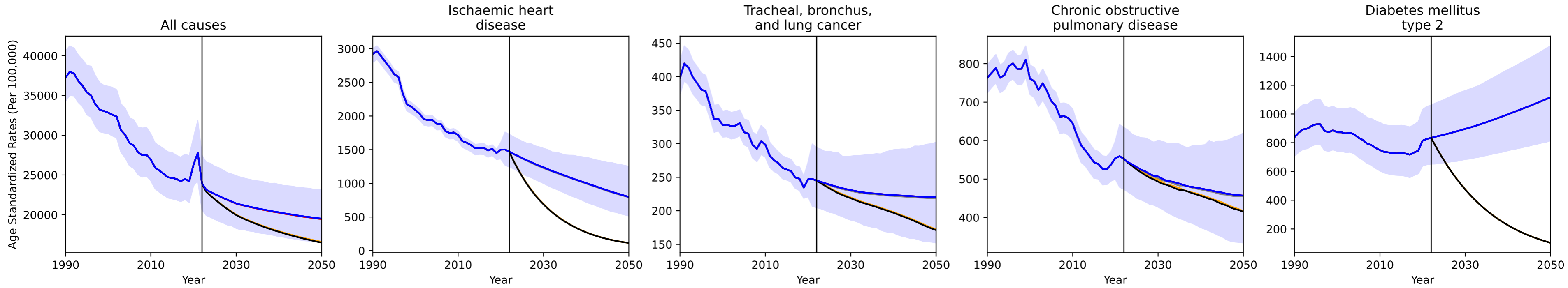


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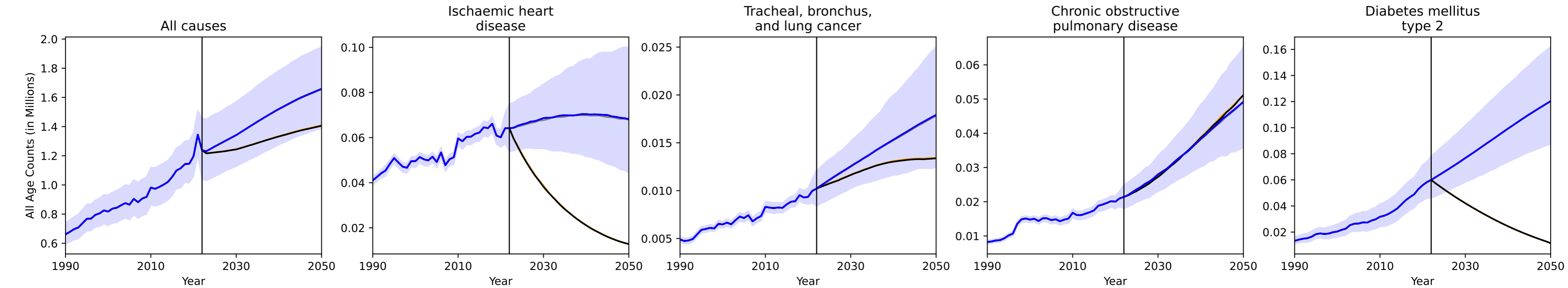
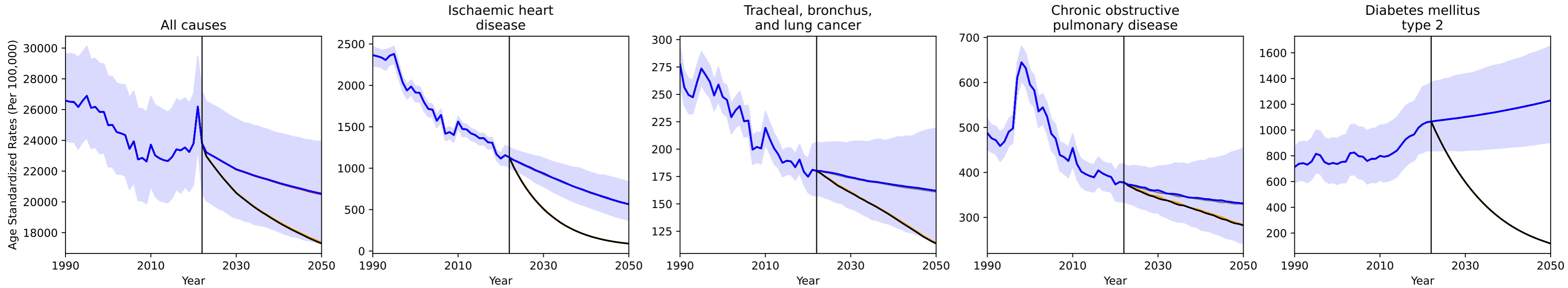
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



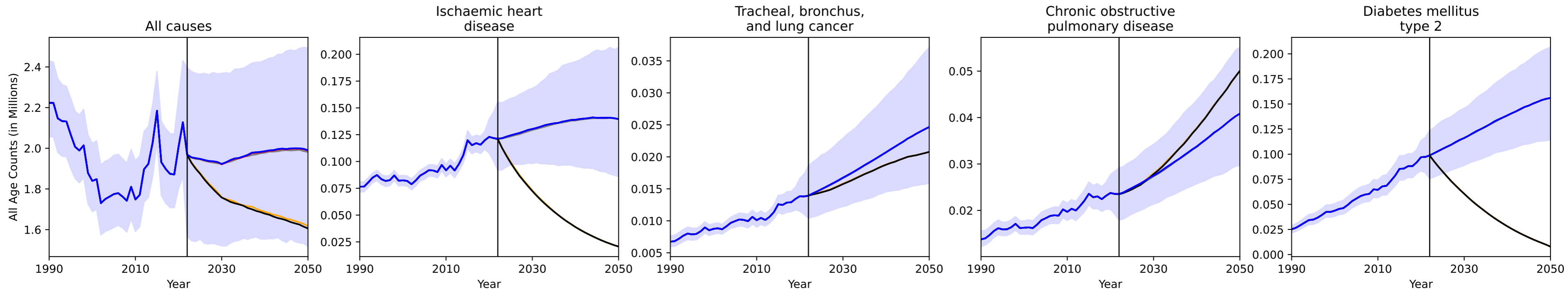
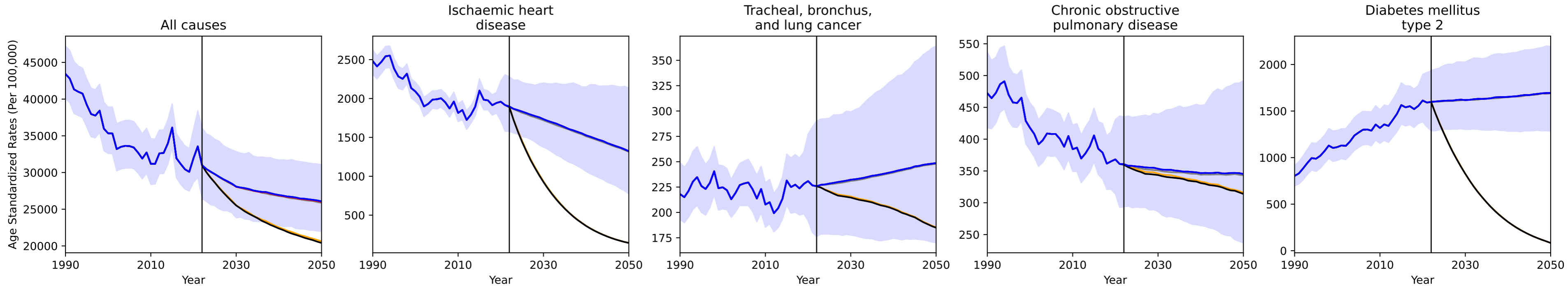
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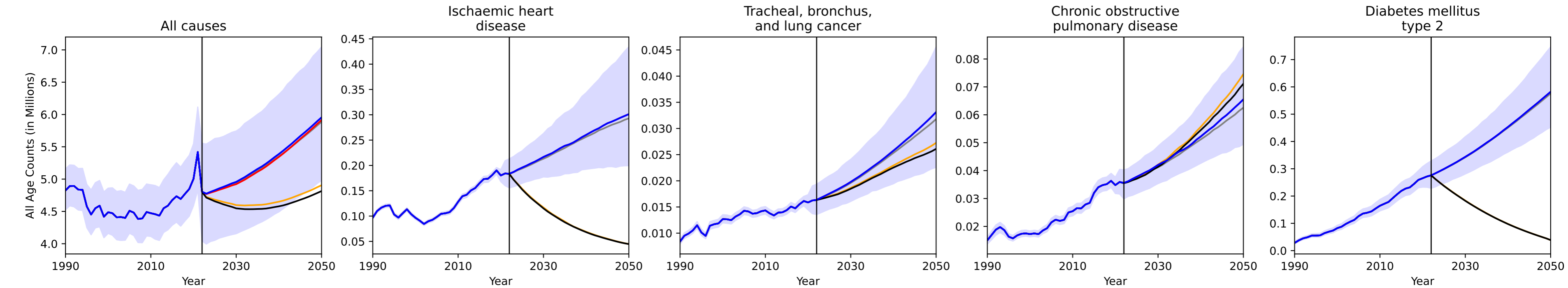
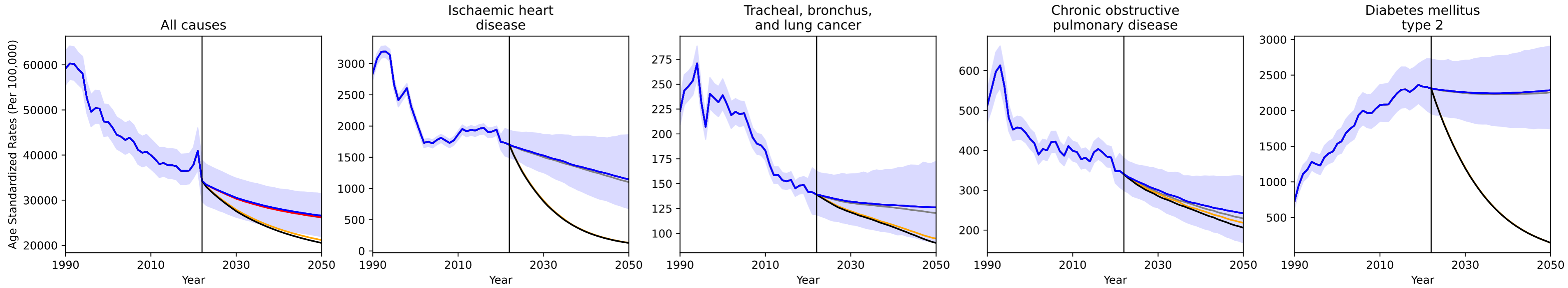
# Costa Rica



# El Salvador

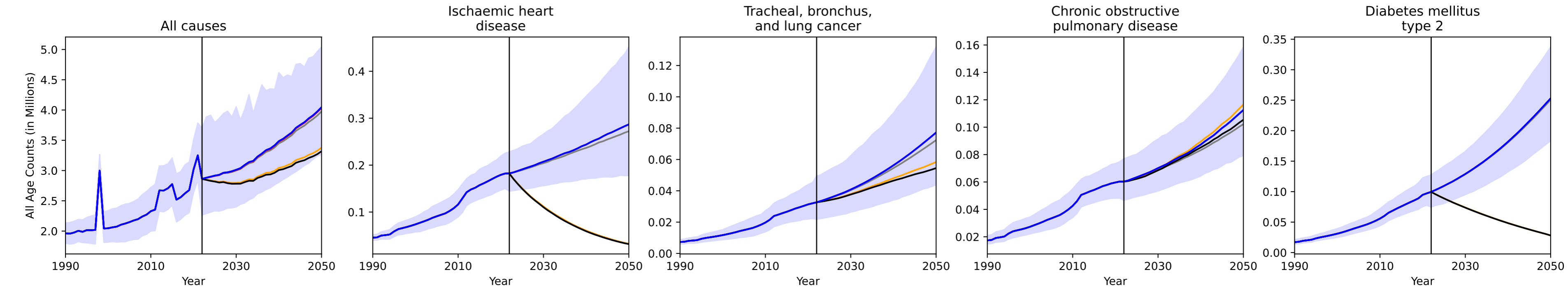
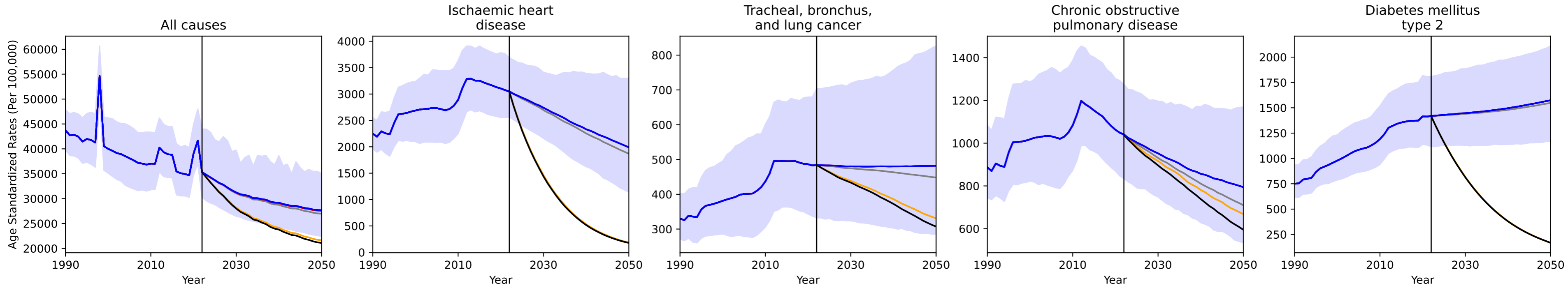


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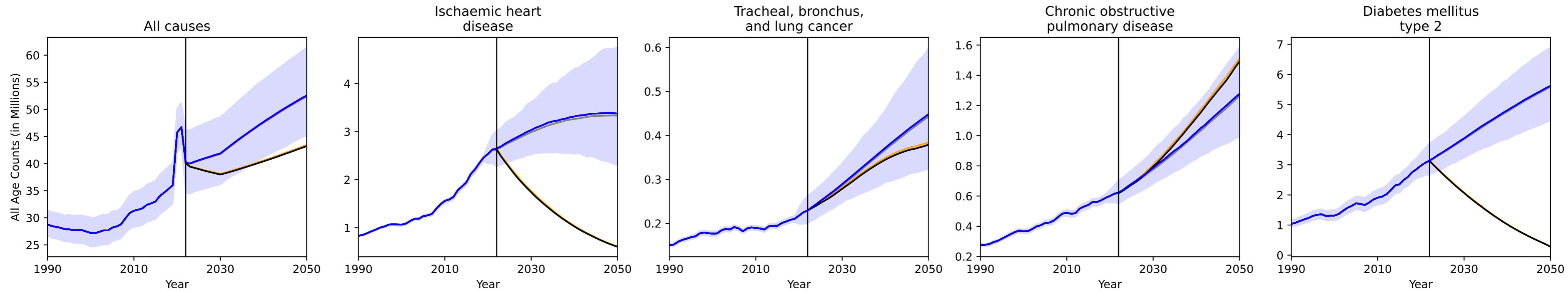
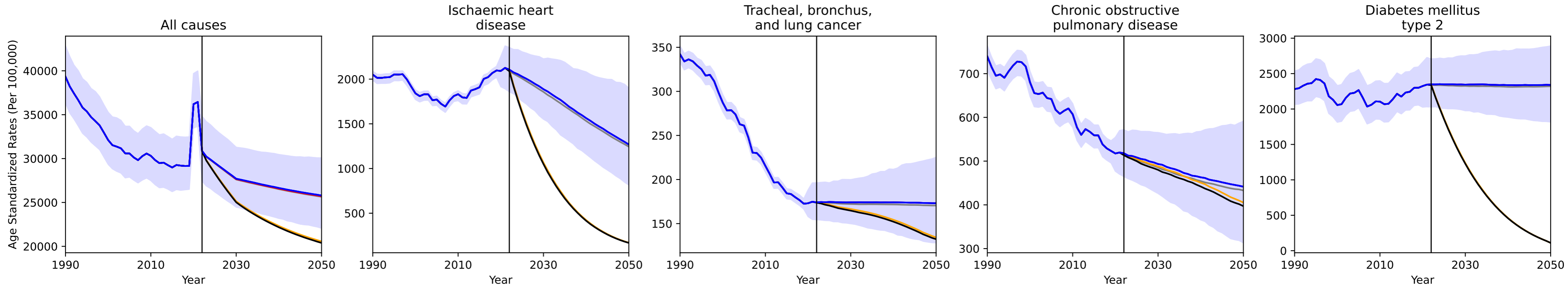




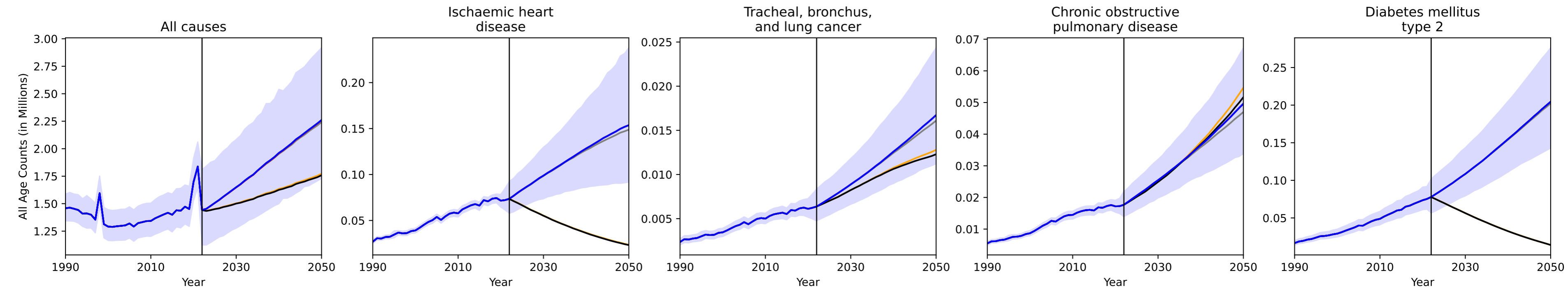
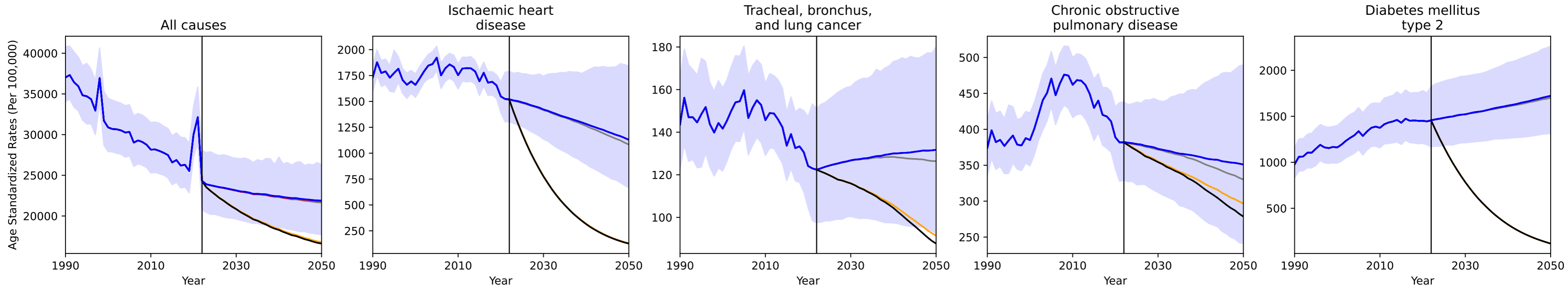
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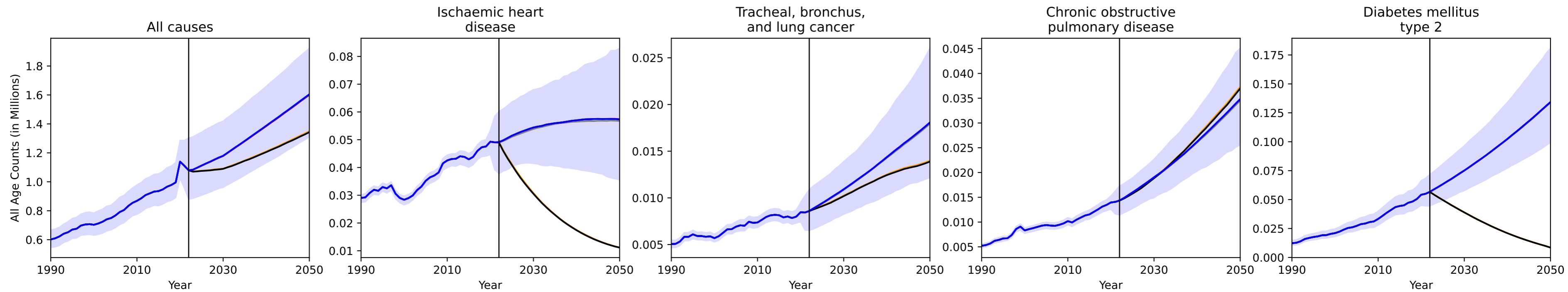
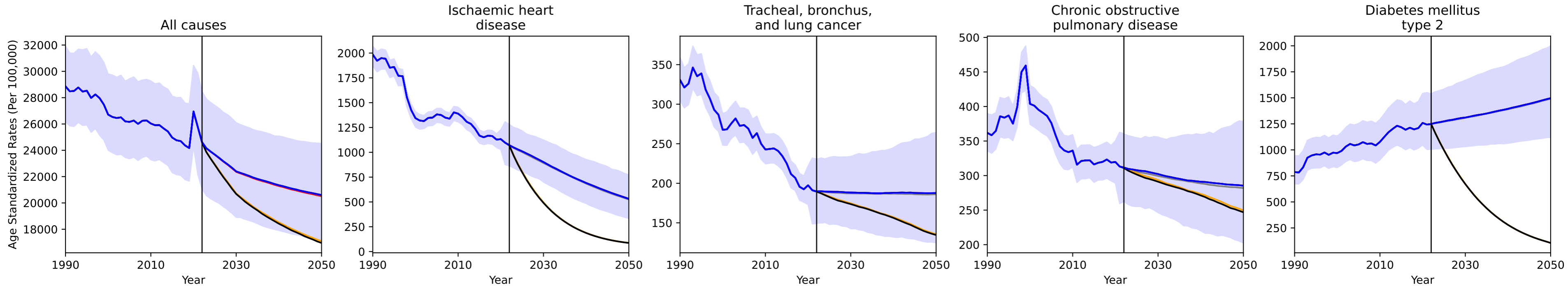
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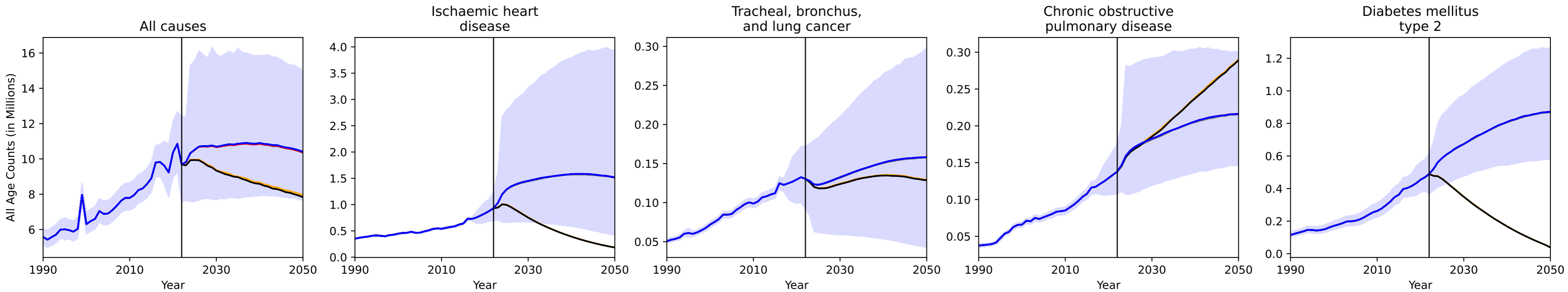
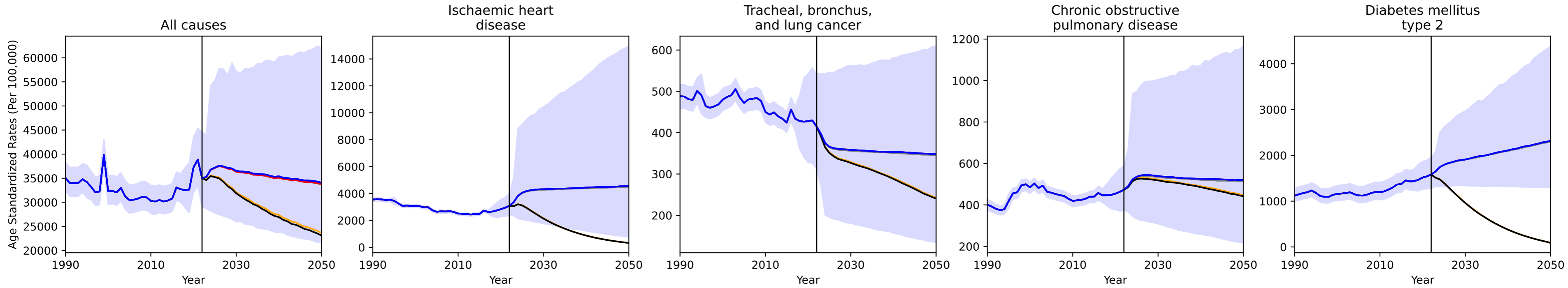
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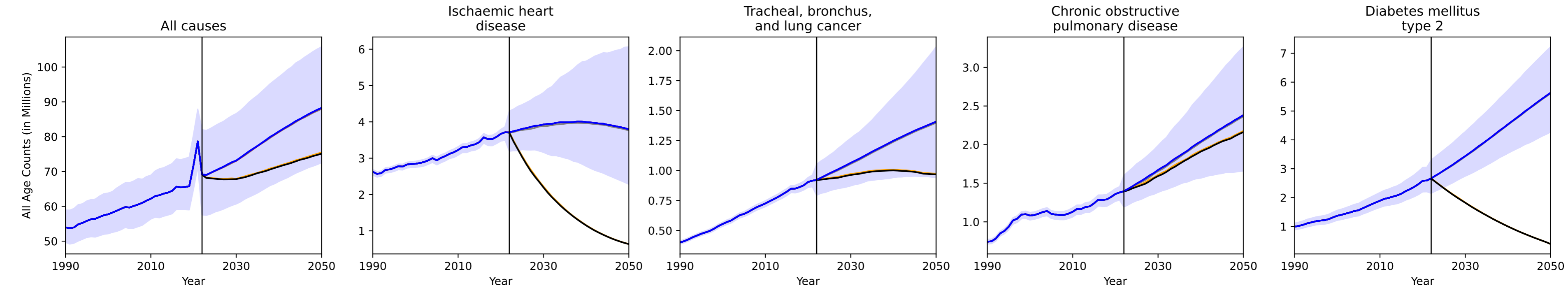
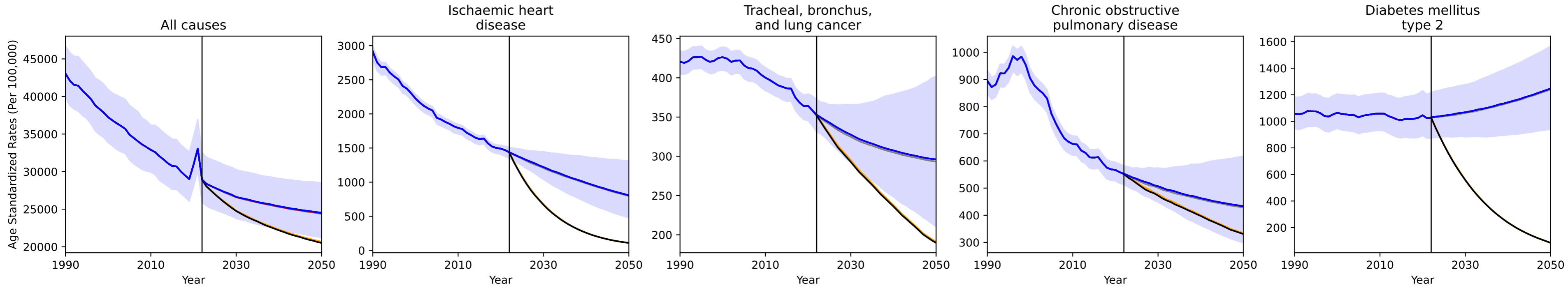
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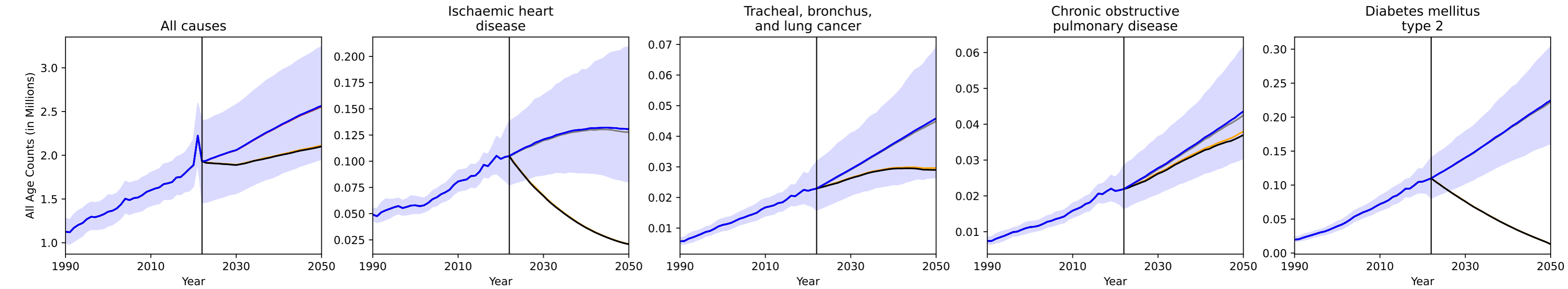
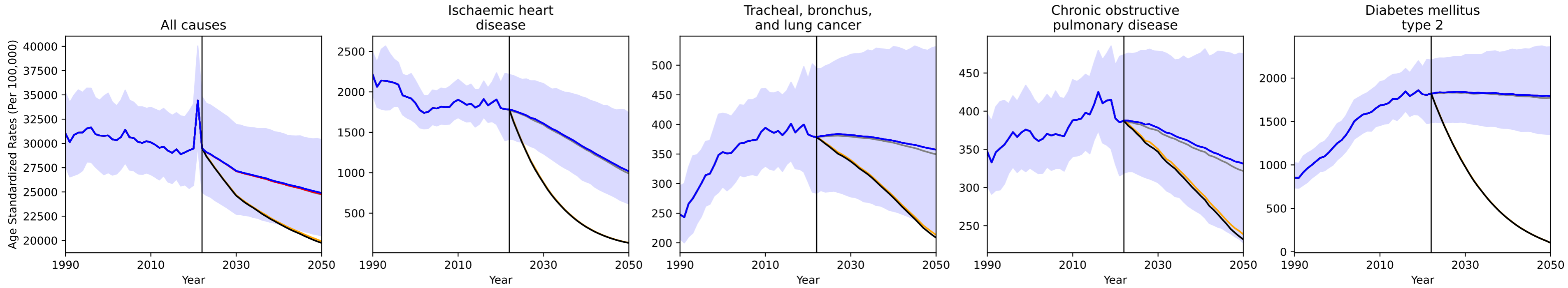
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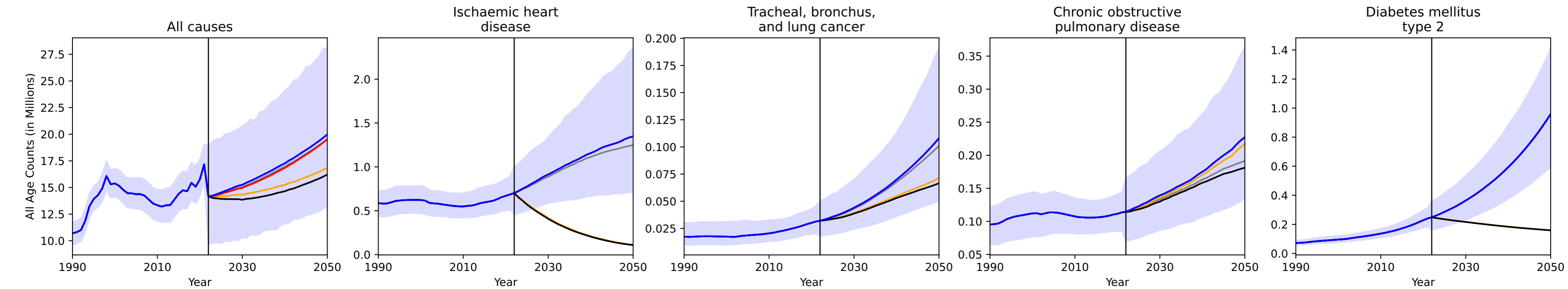
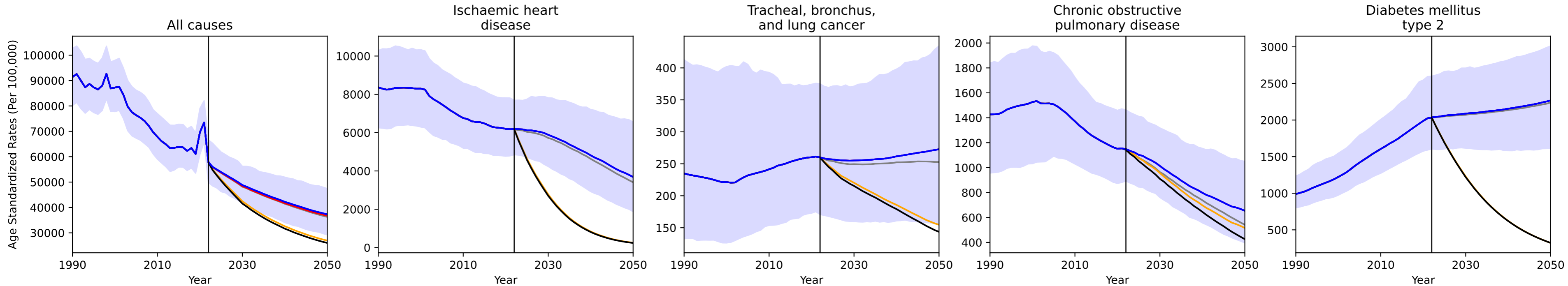
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# Paraguay

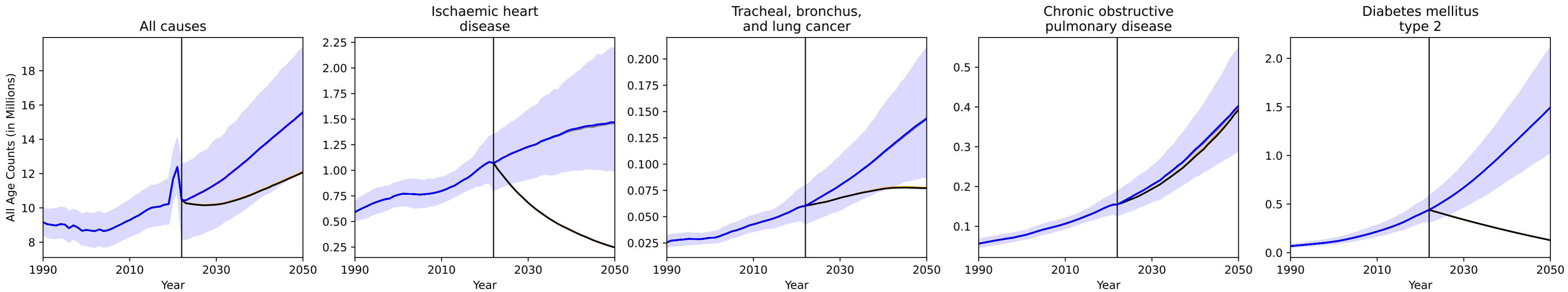
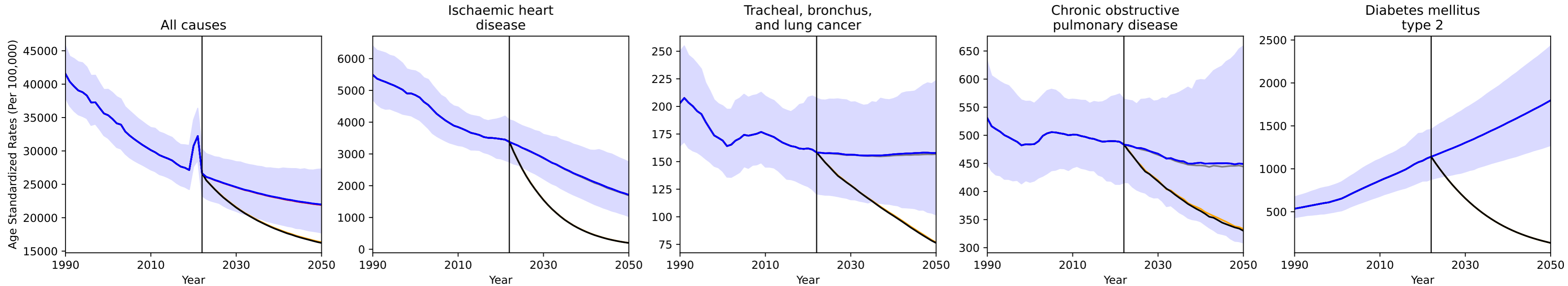


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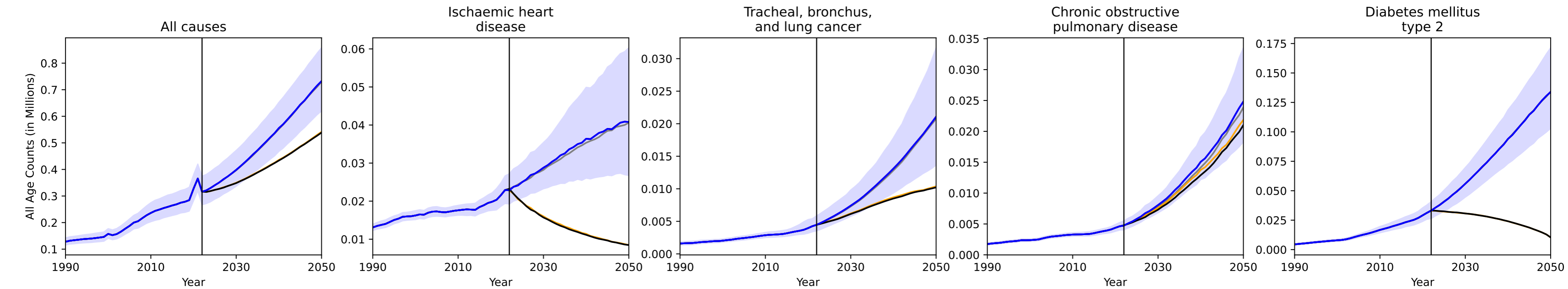
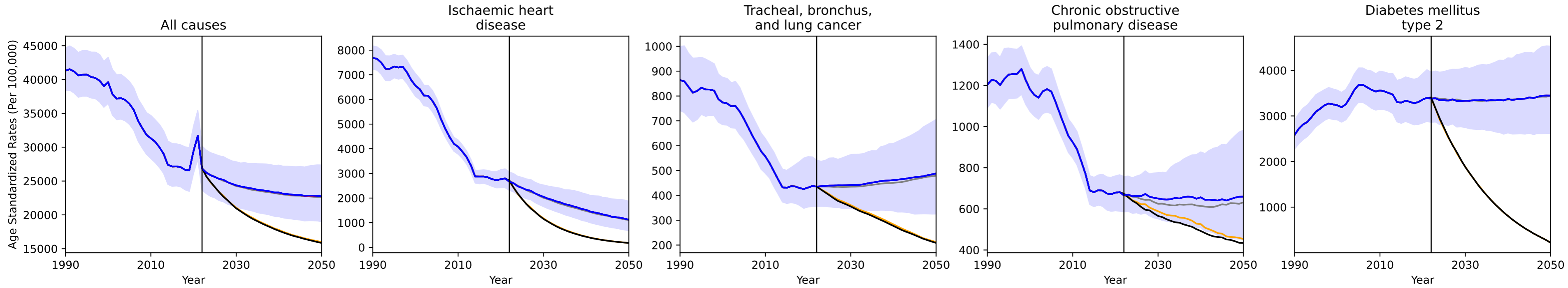


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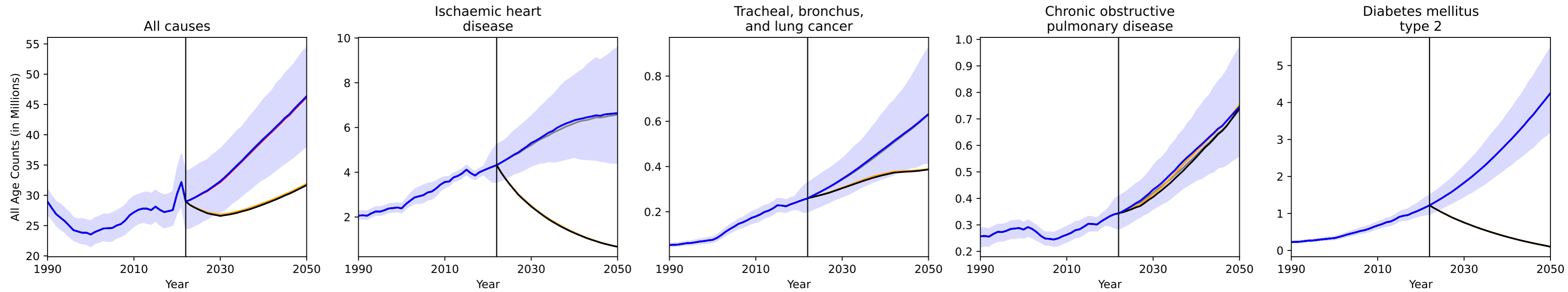
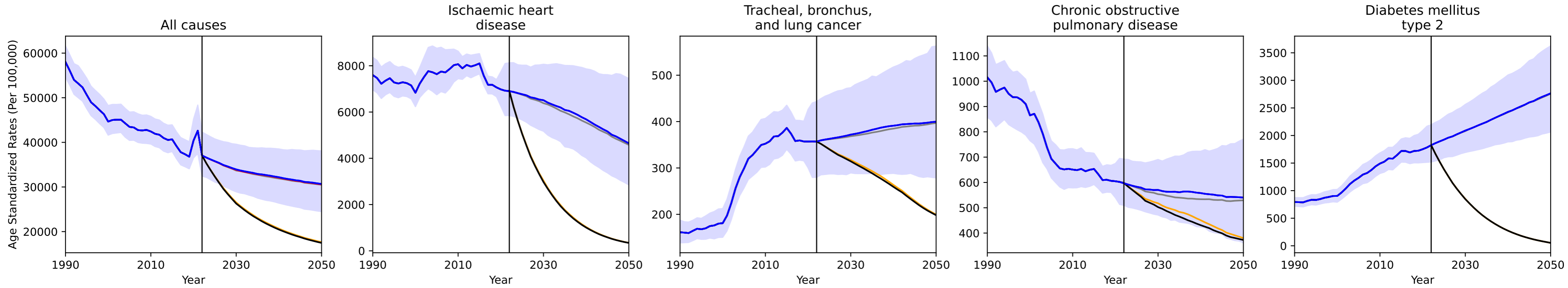


# Bahrain

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

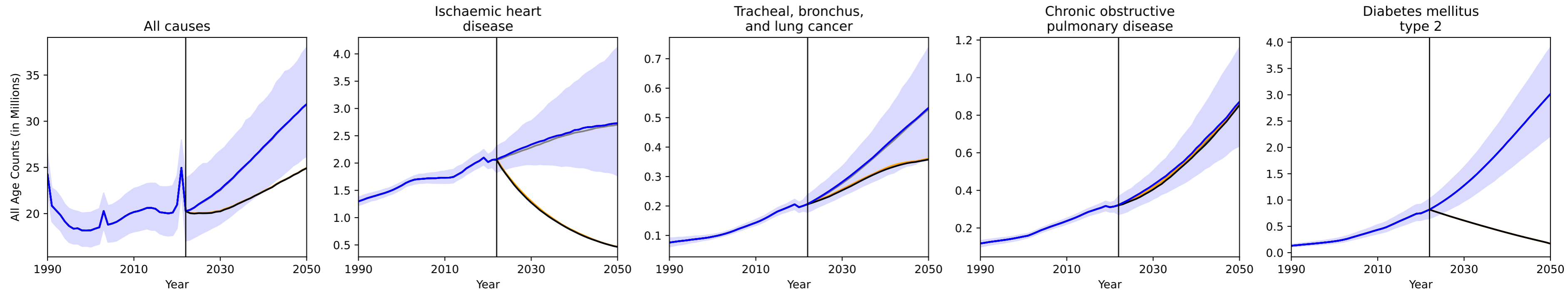
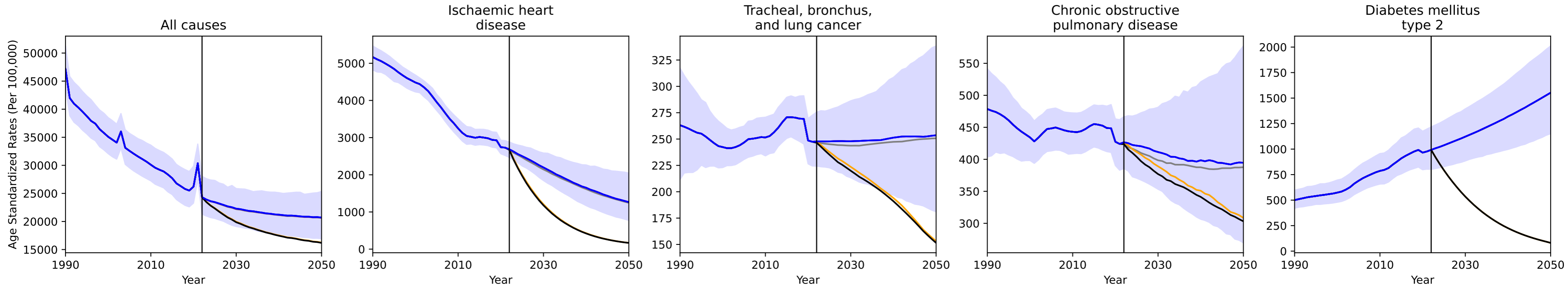


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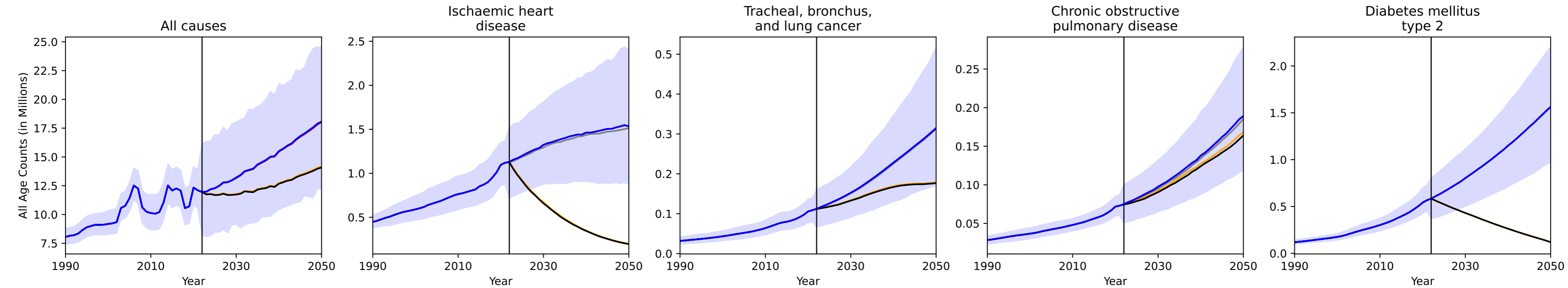
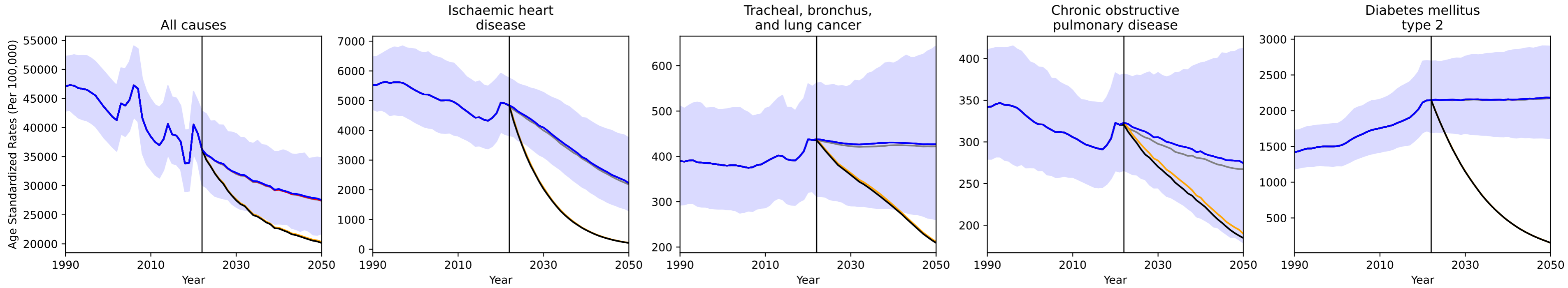


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

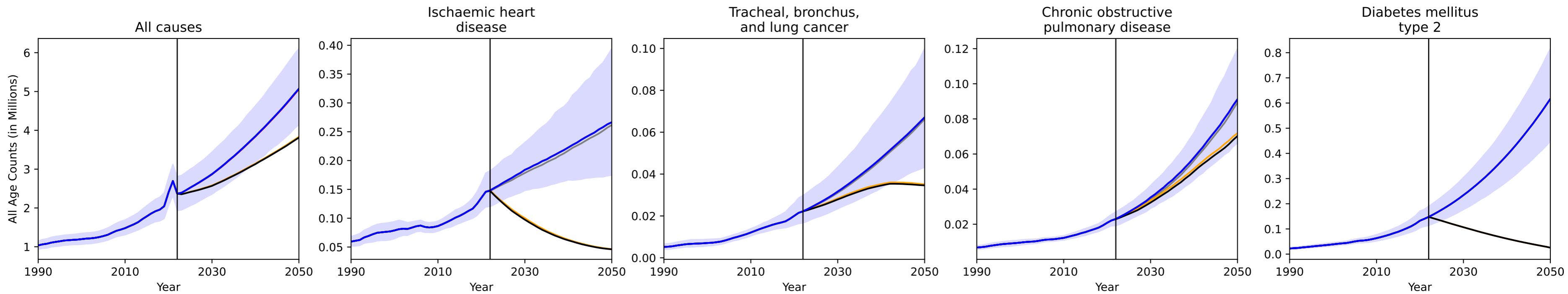
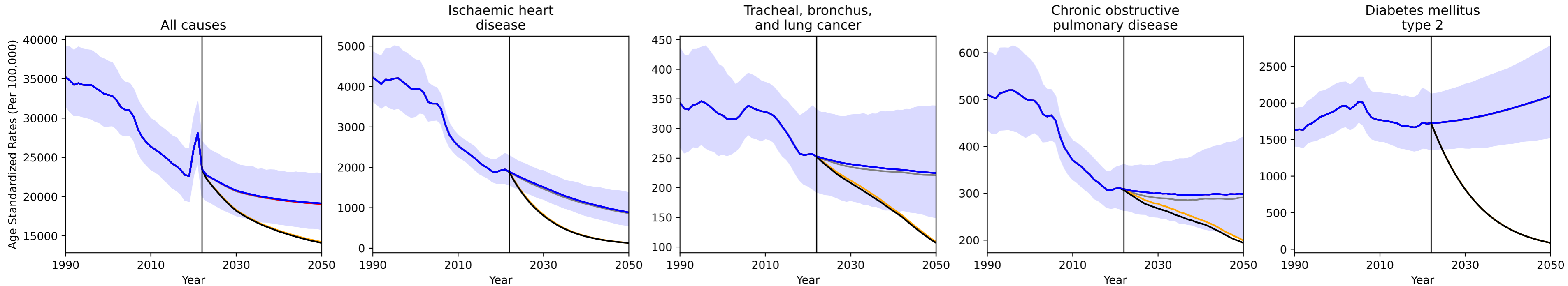
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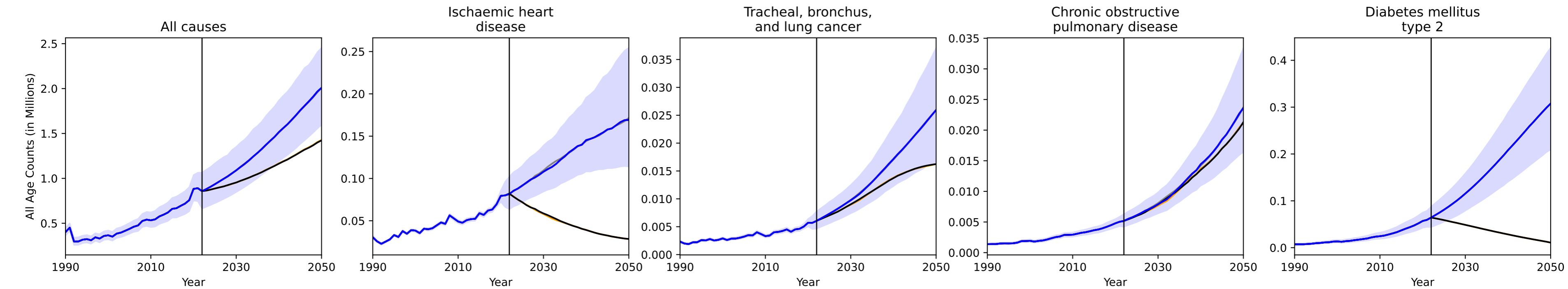
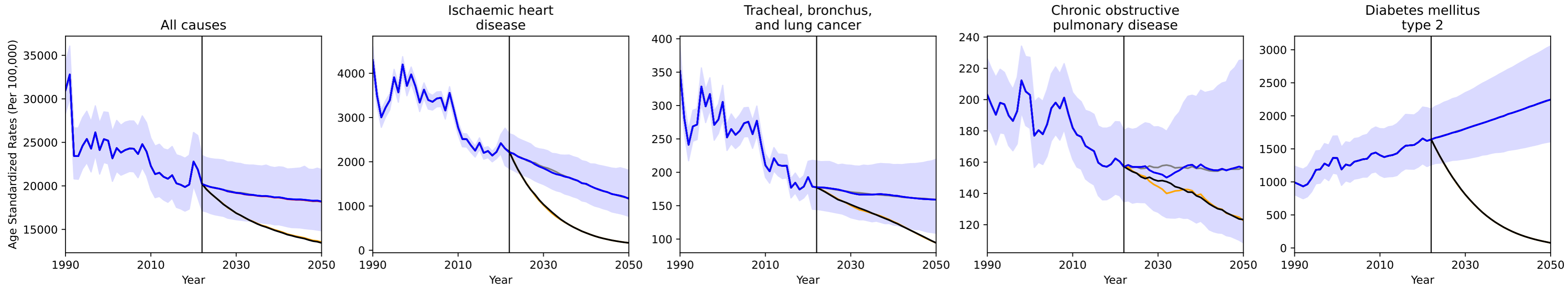
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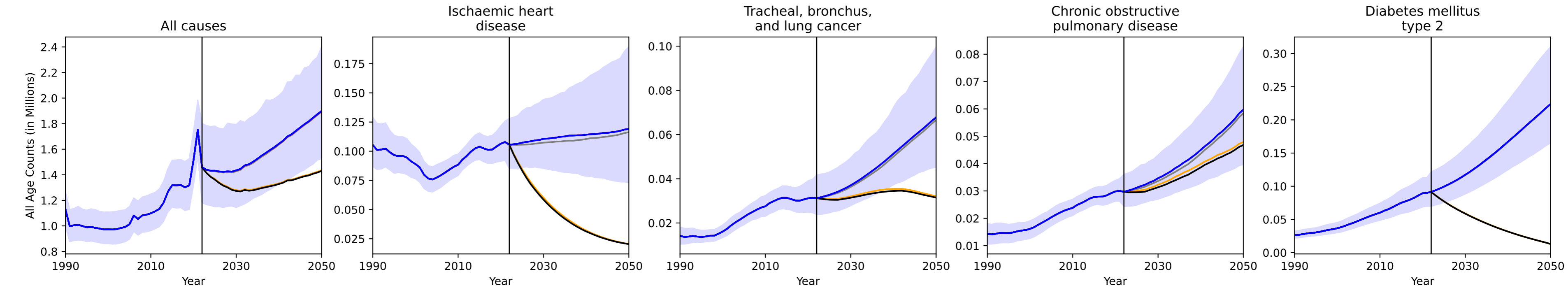
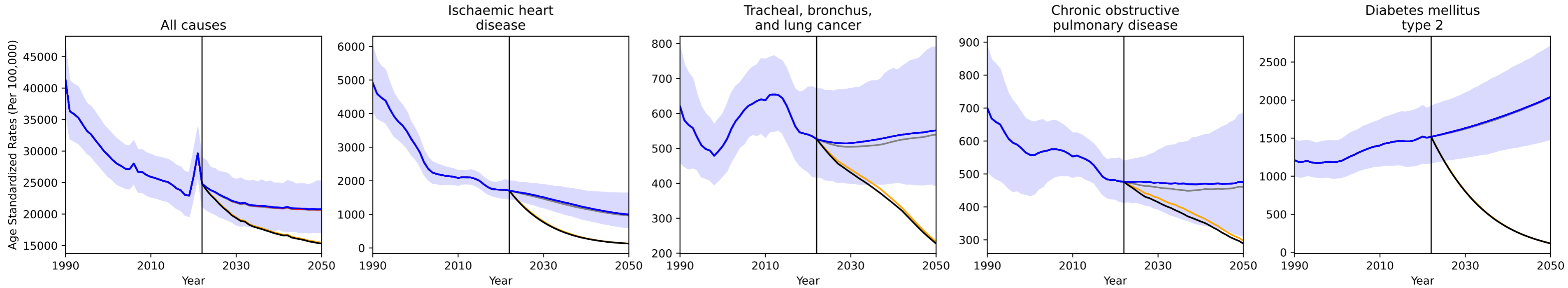
# Jordan



# Kuwait



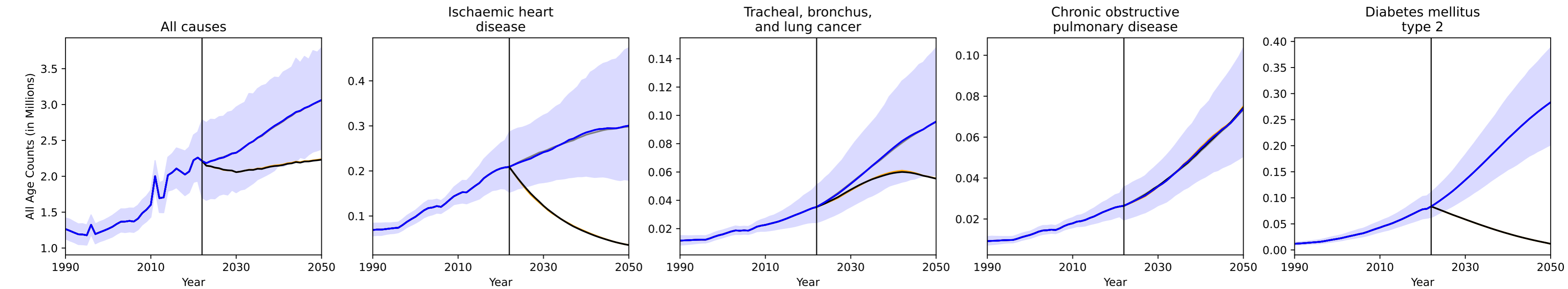
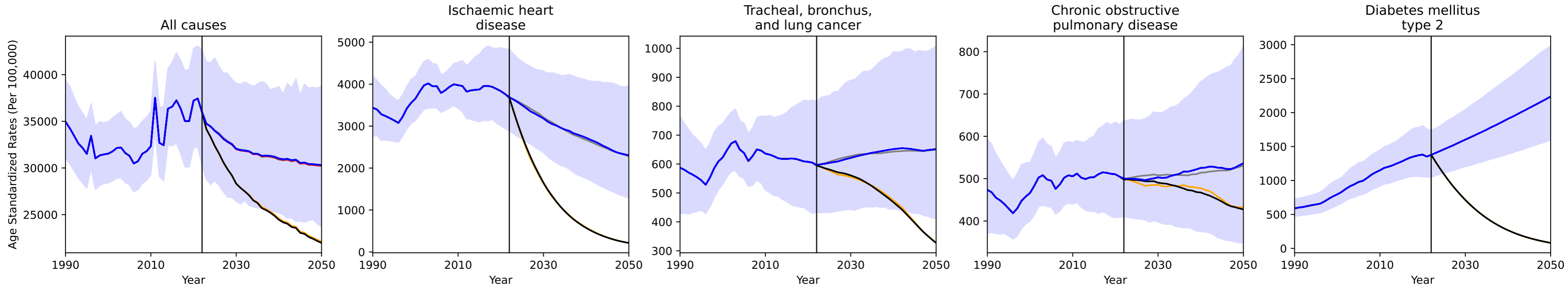
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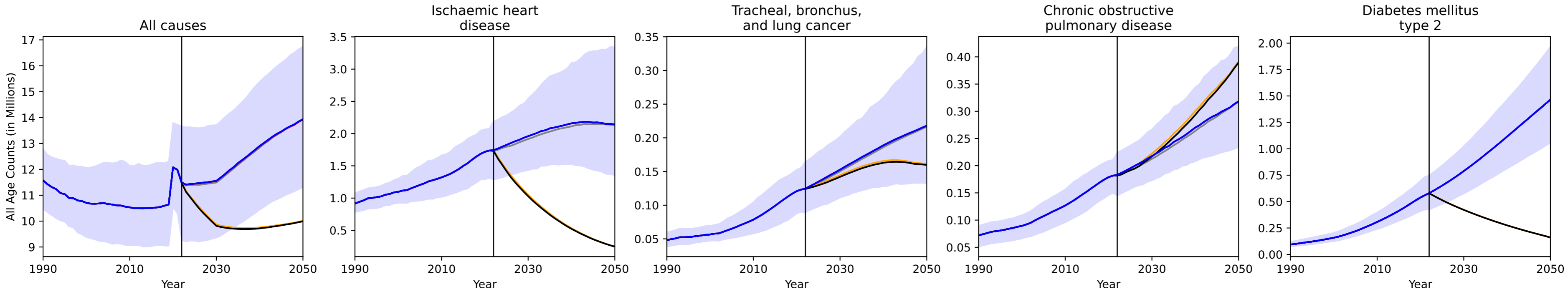
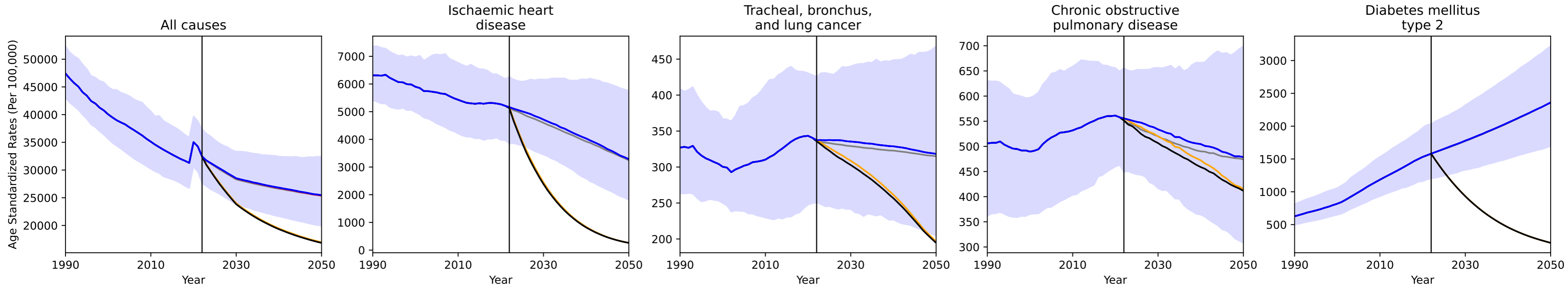


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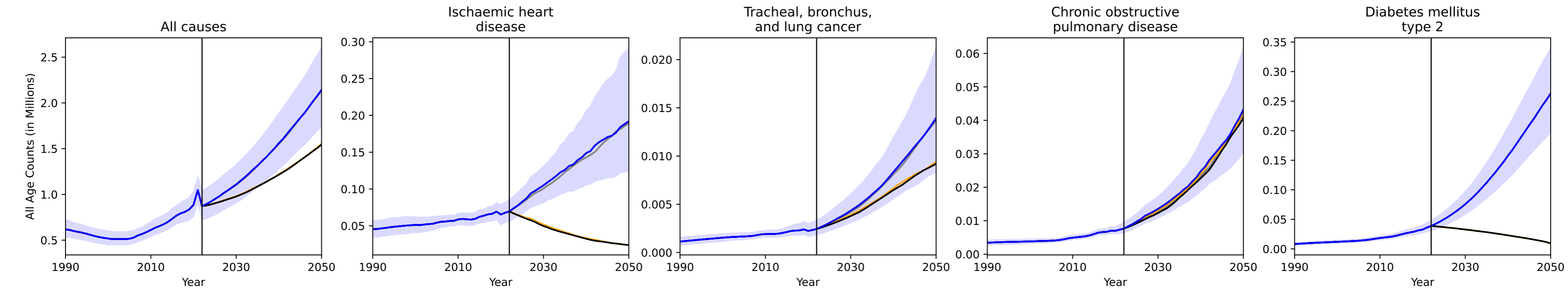
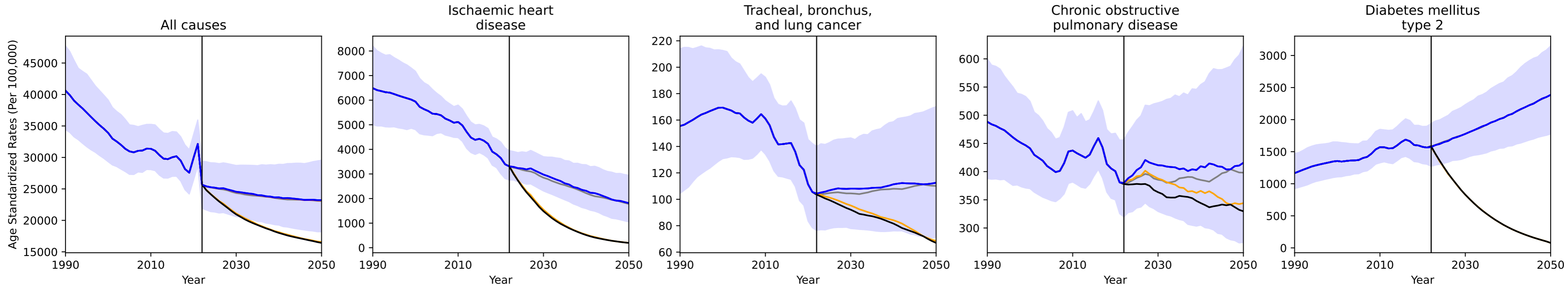
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



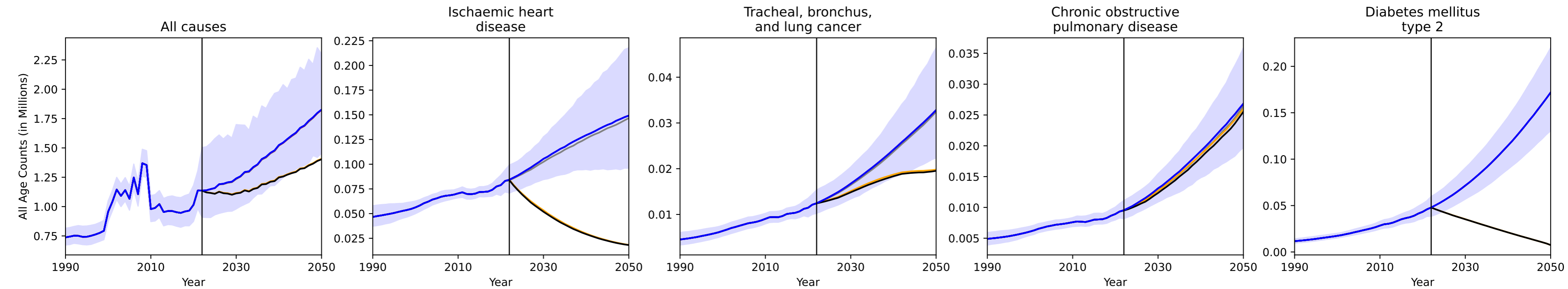
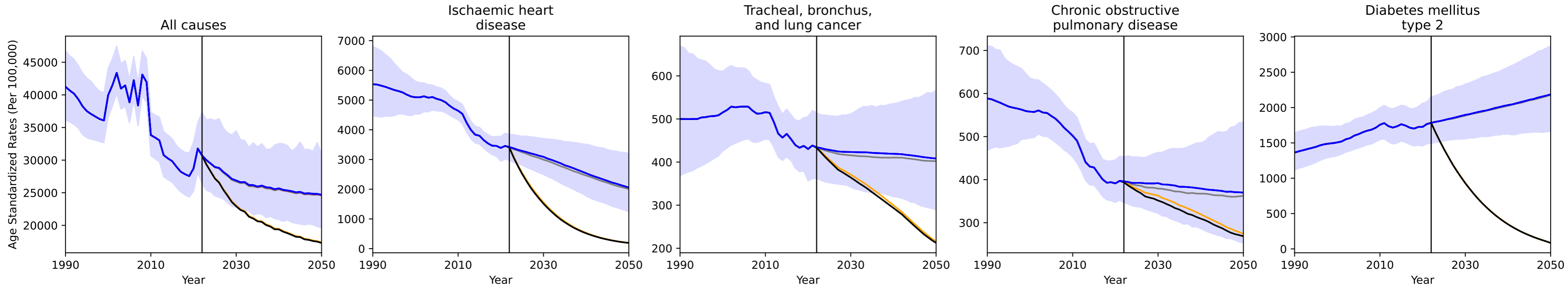
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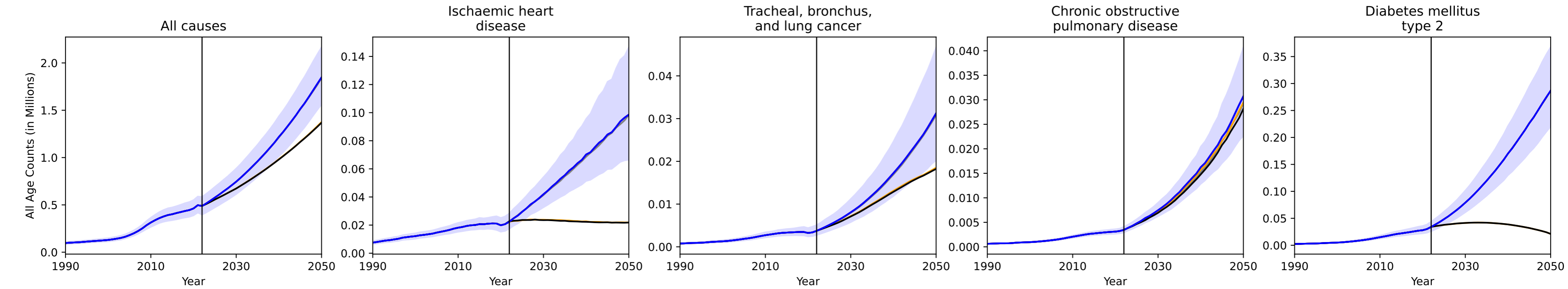
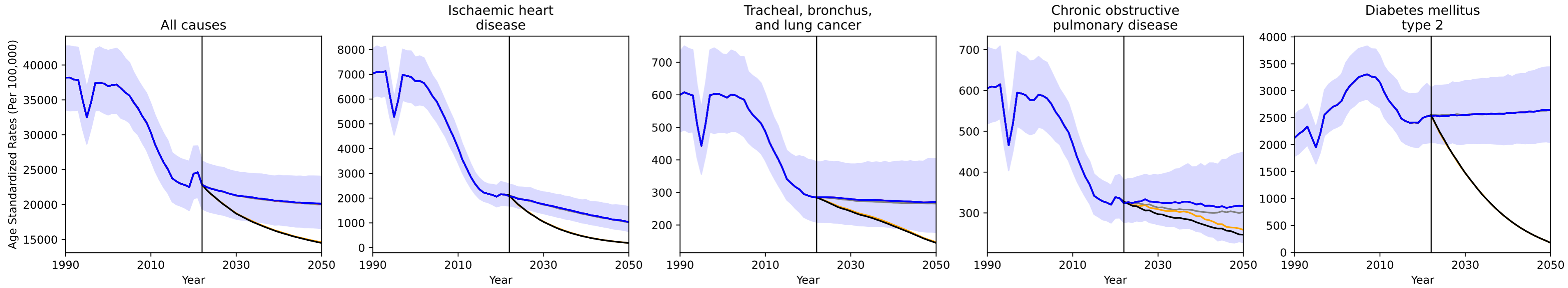
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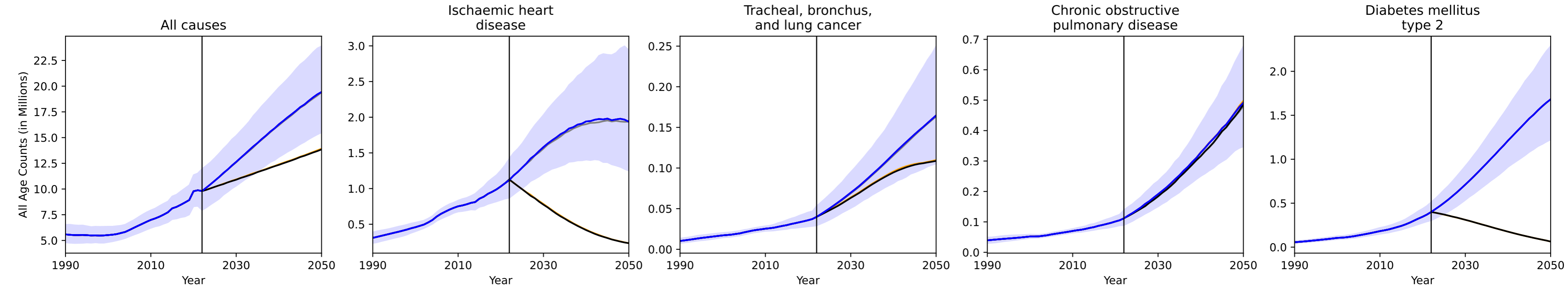
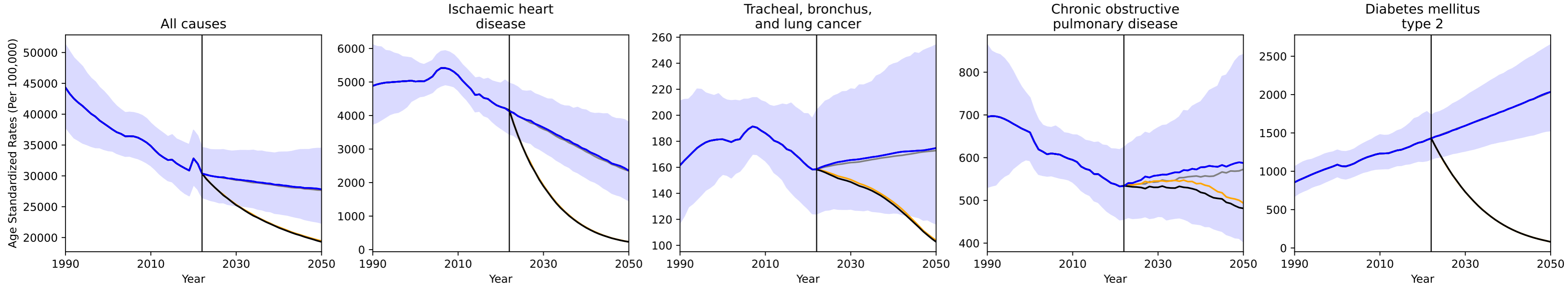
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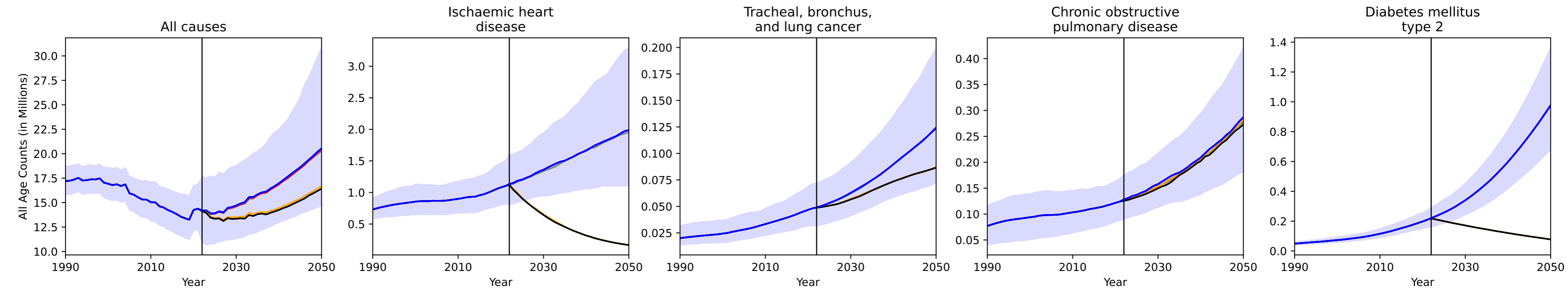
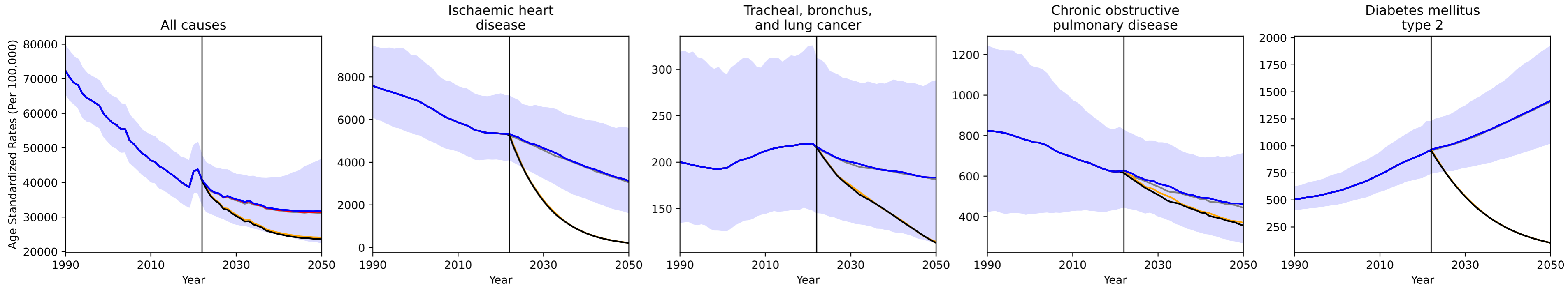
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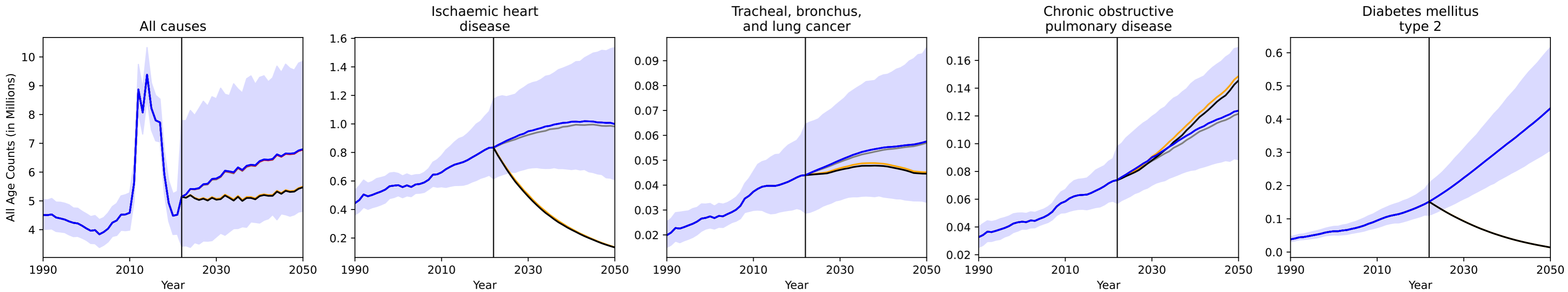
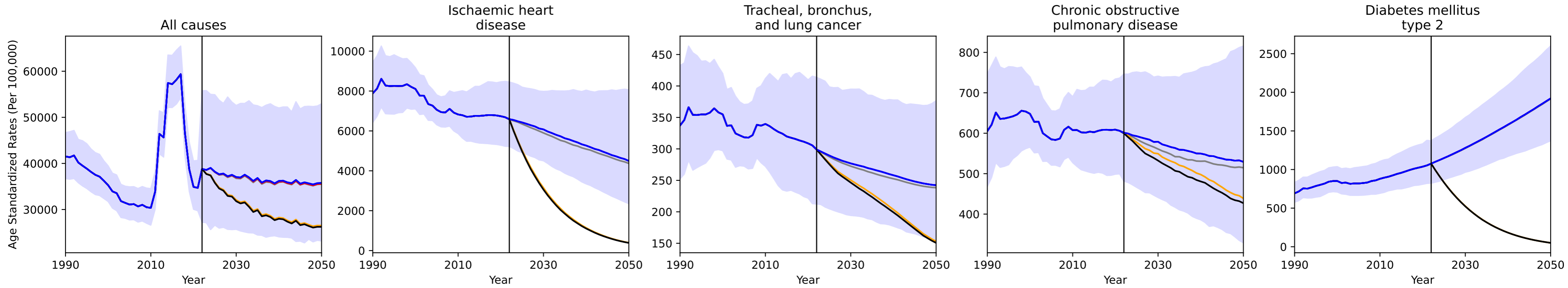
# Saudi Arabia



# Sudan

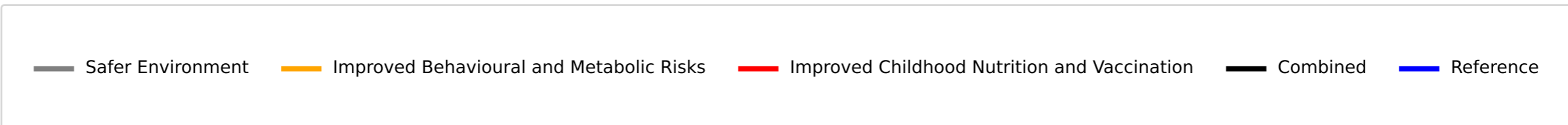
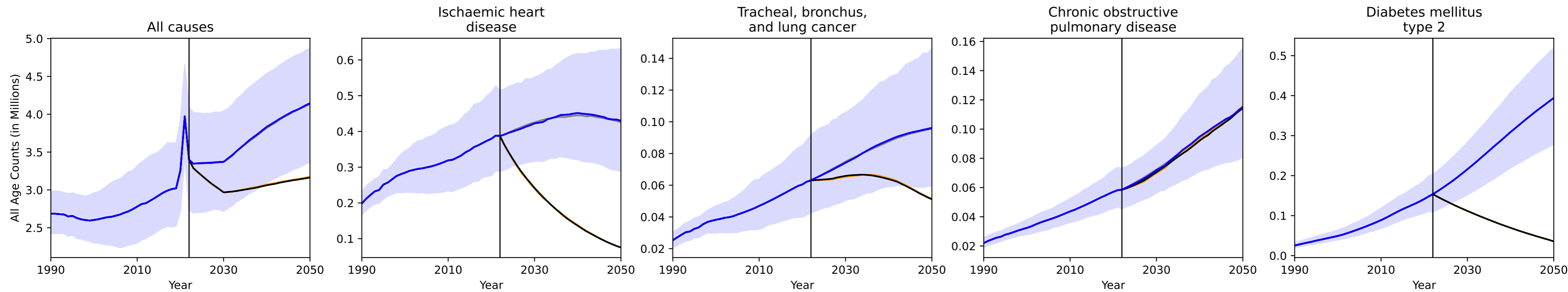
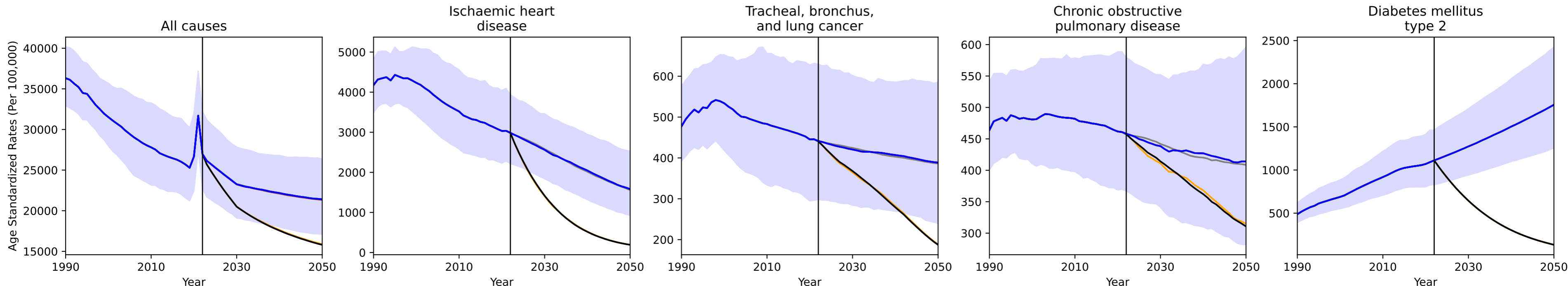


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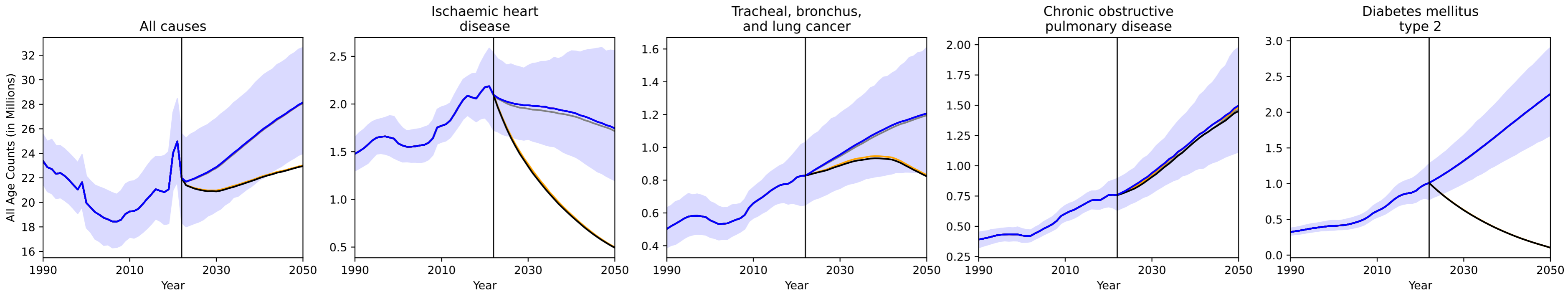
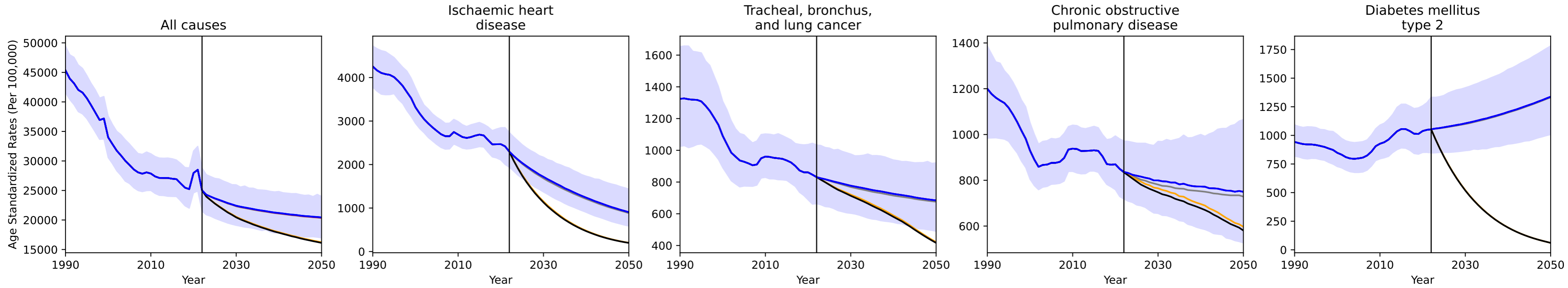




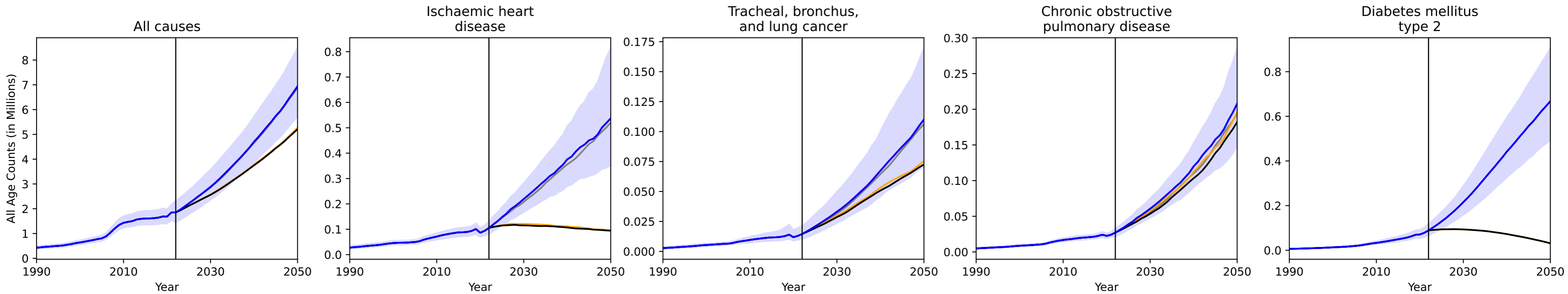
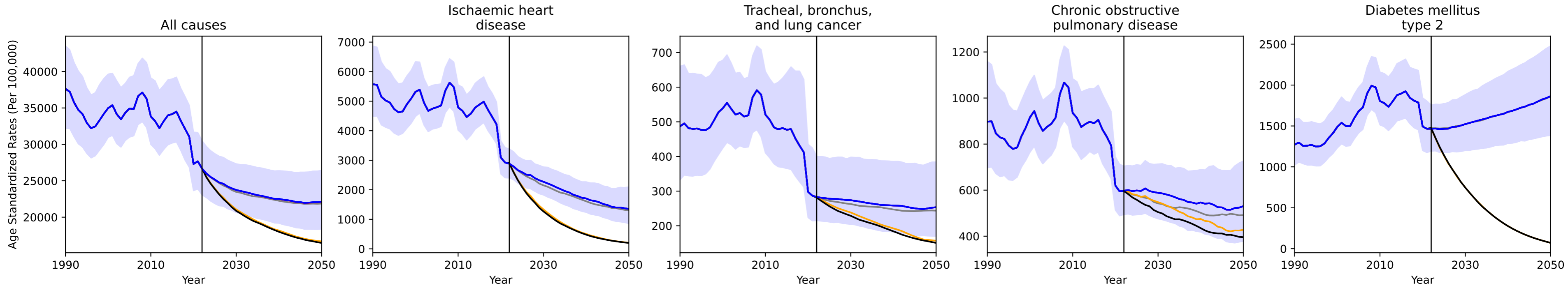
# Tunisia



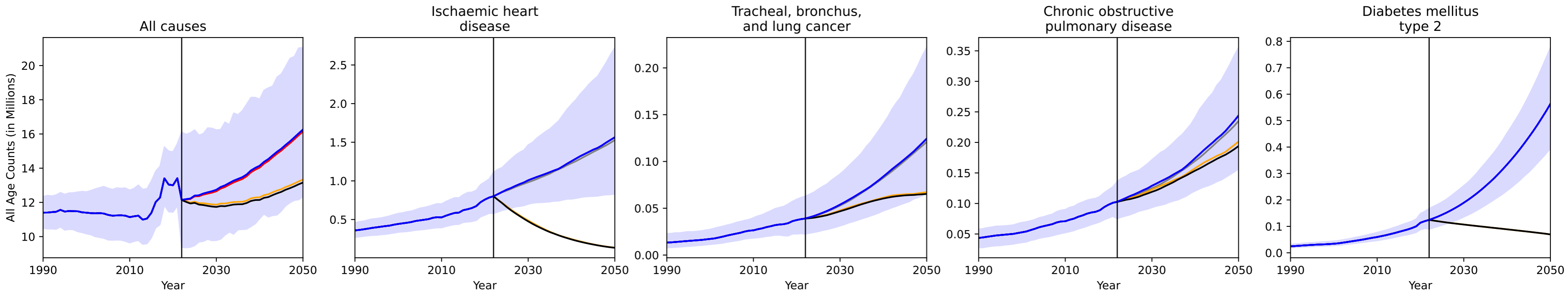
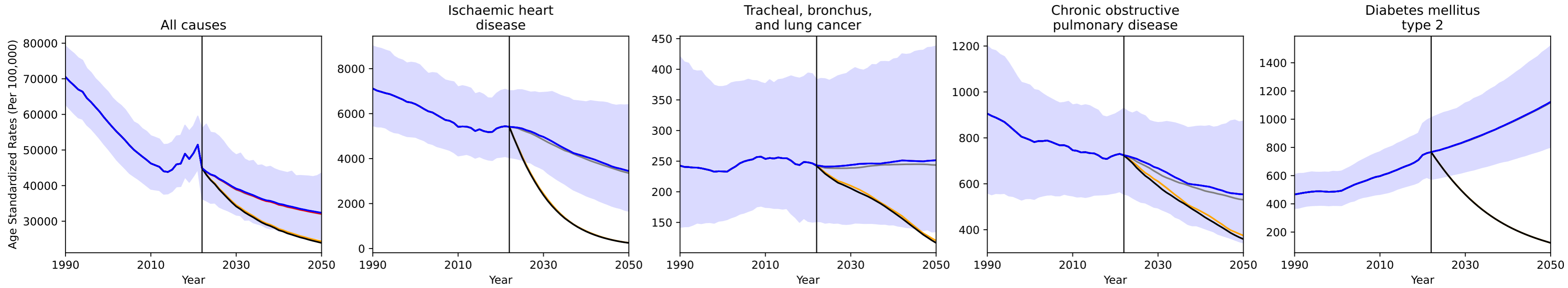
# Türkiye



# United Arab Emirates

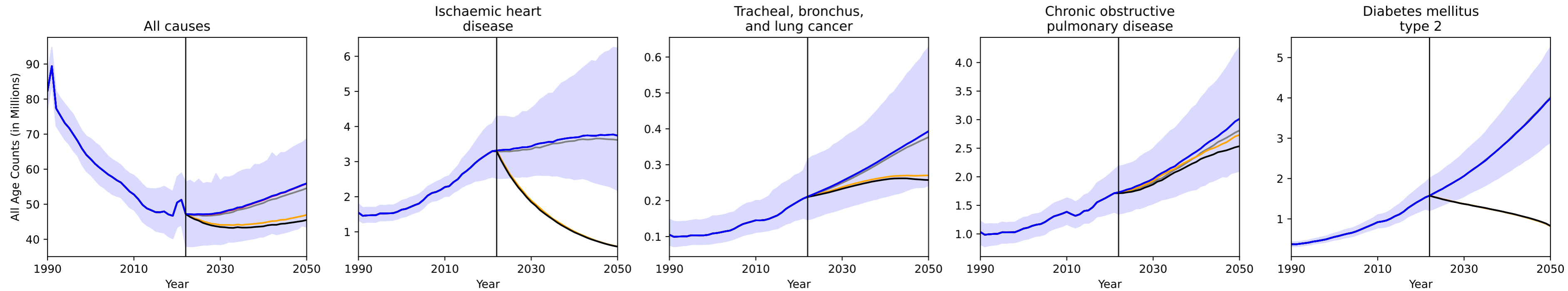
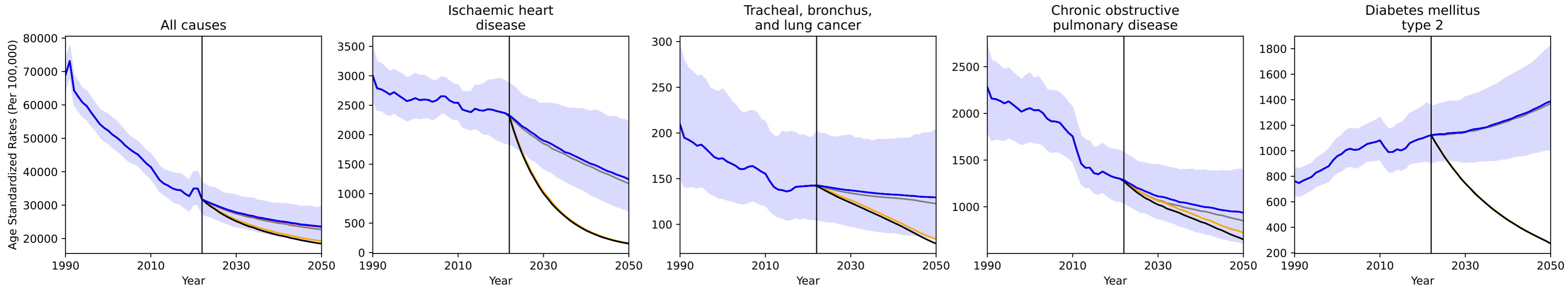


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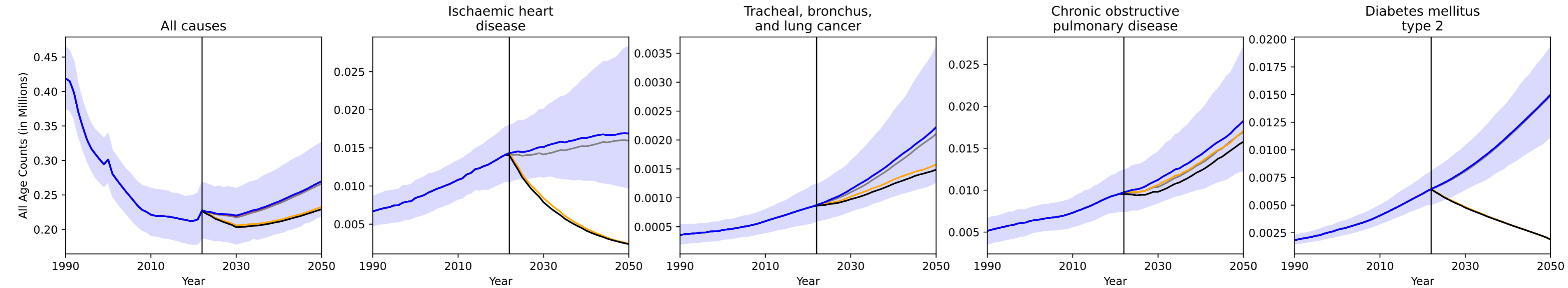
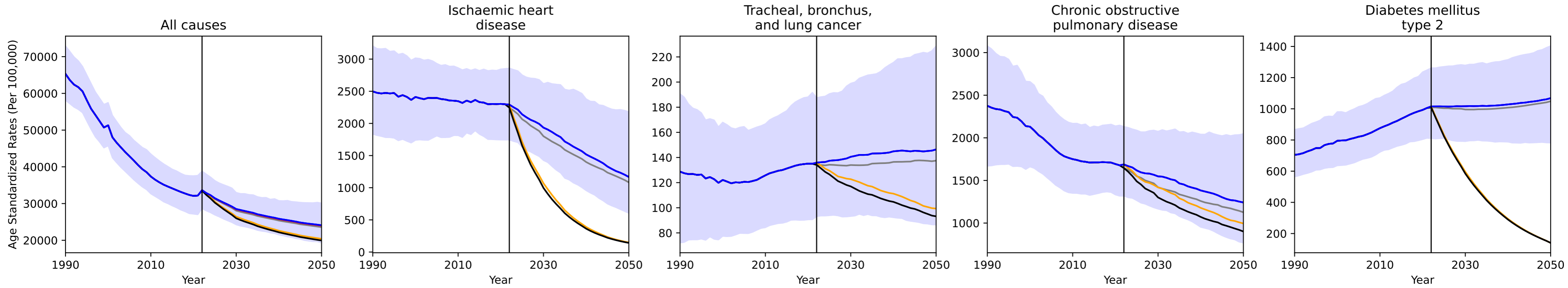


# Bangladesh

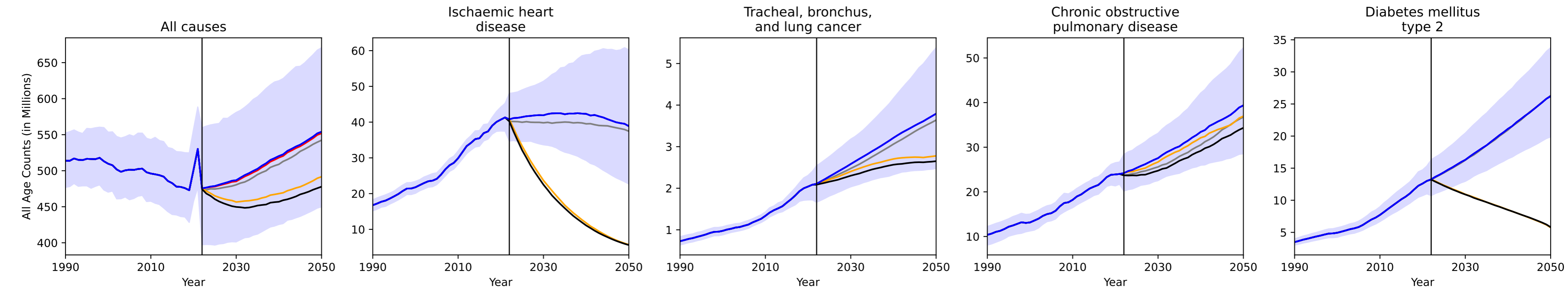
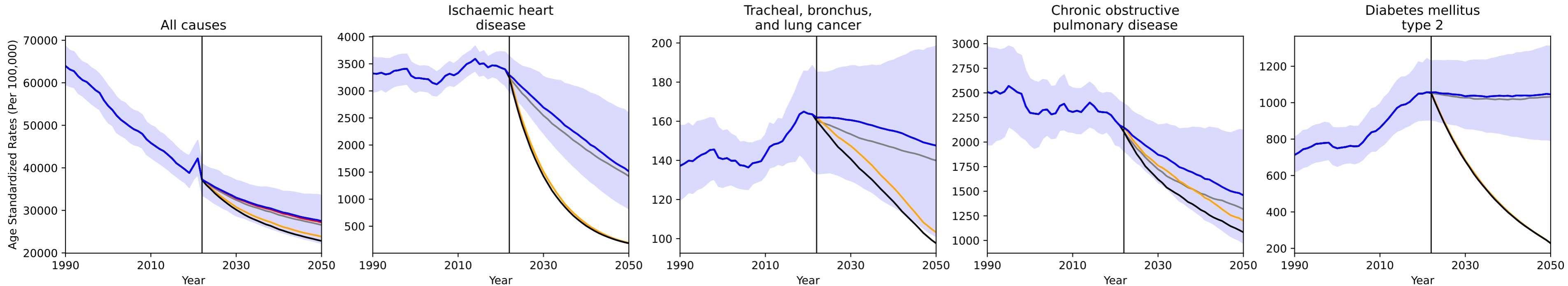
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



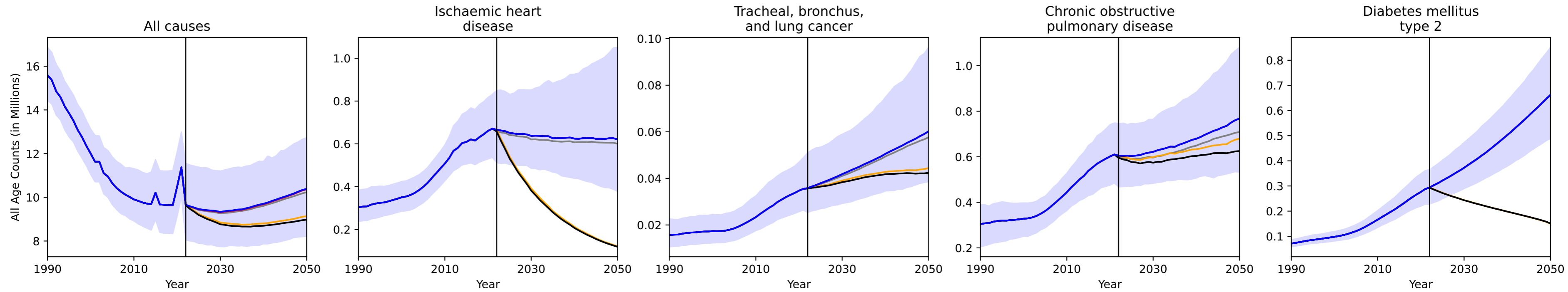
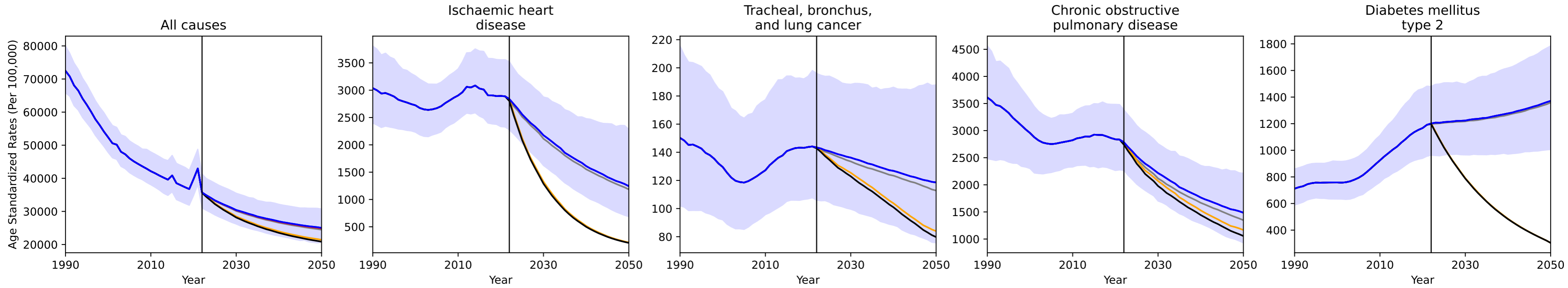
# Bhutan



# India

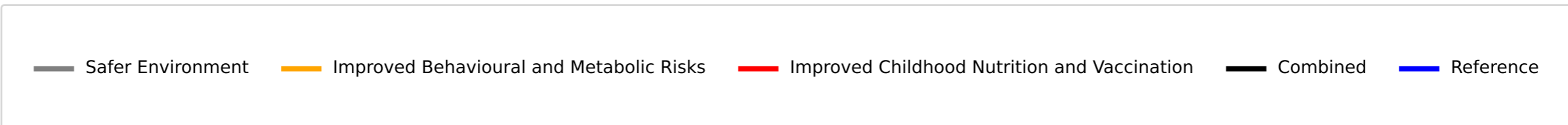
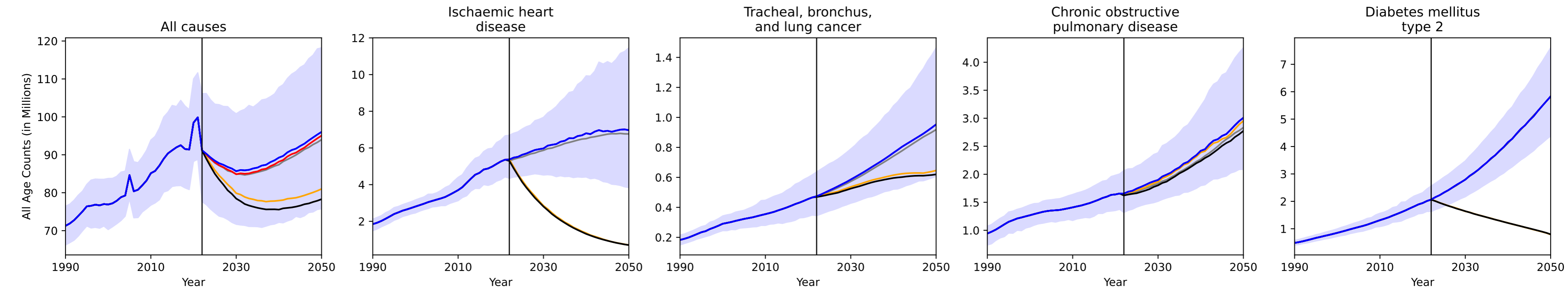
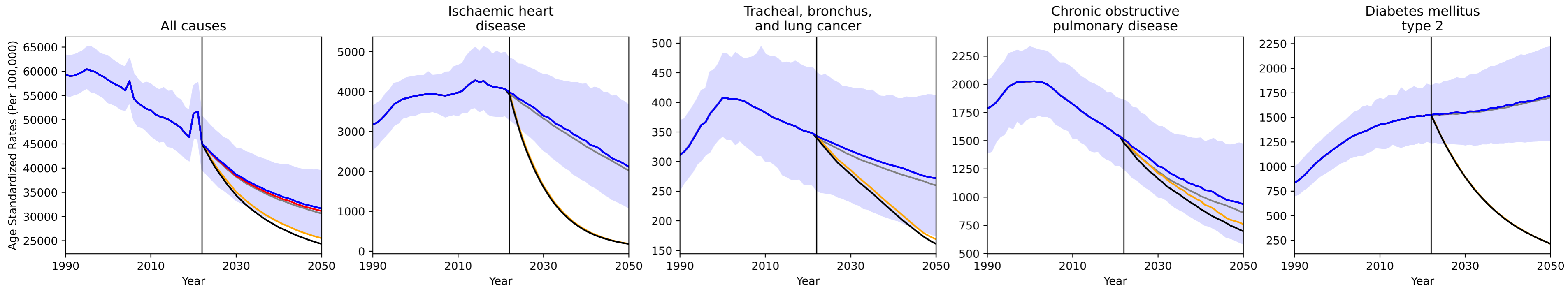


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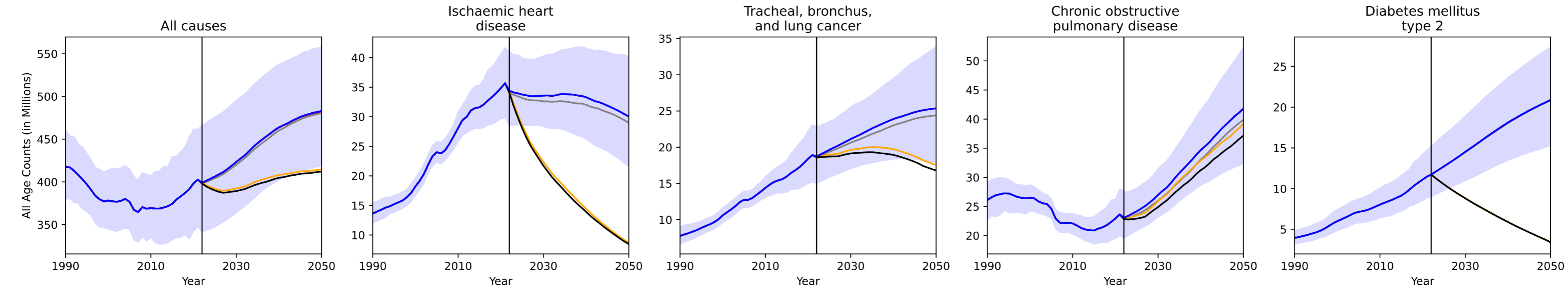
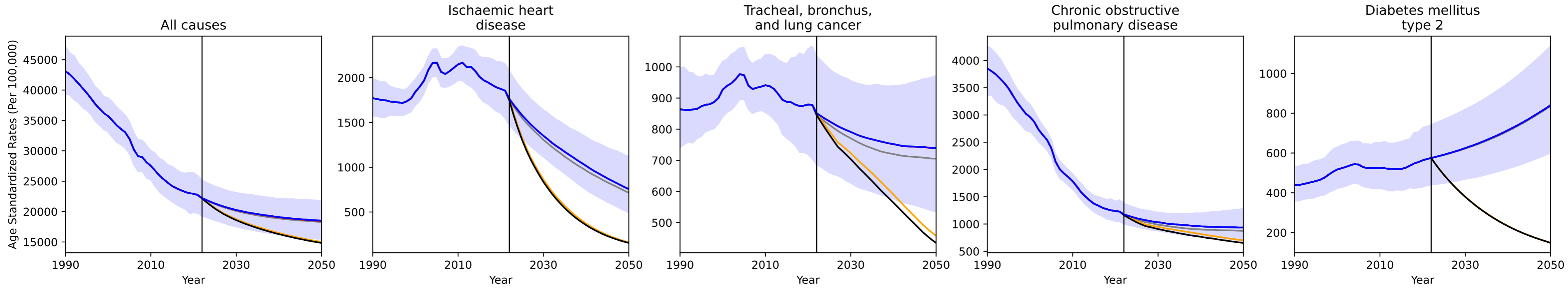




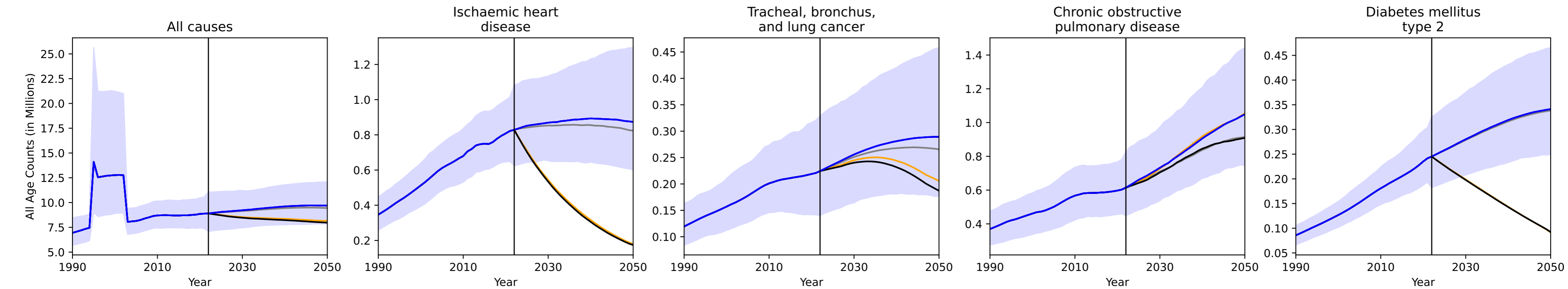
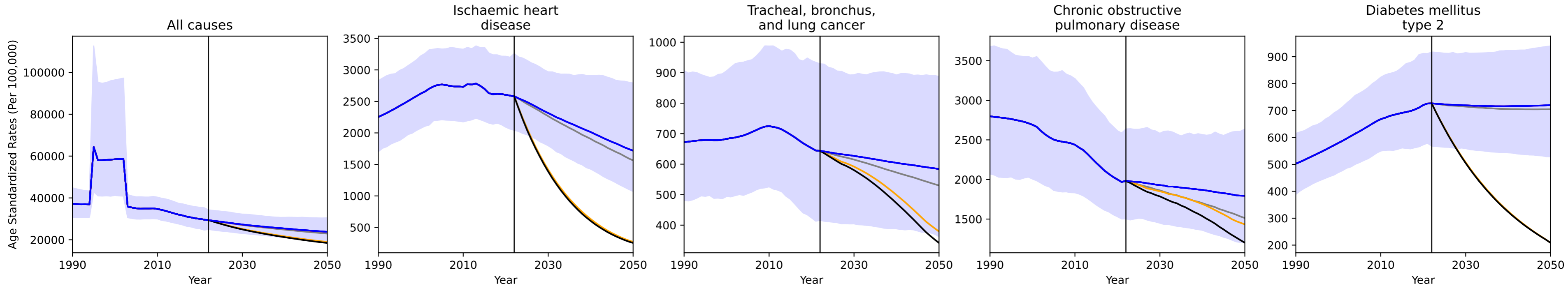
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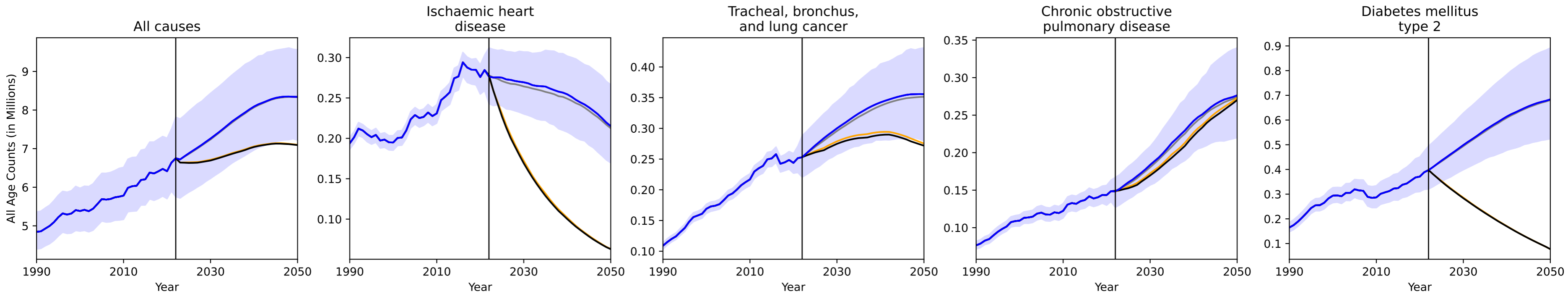
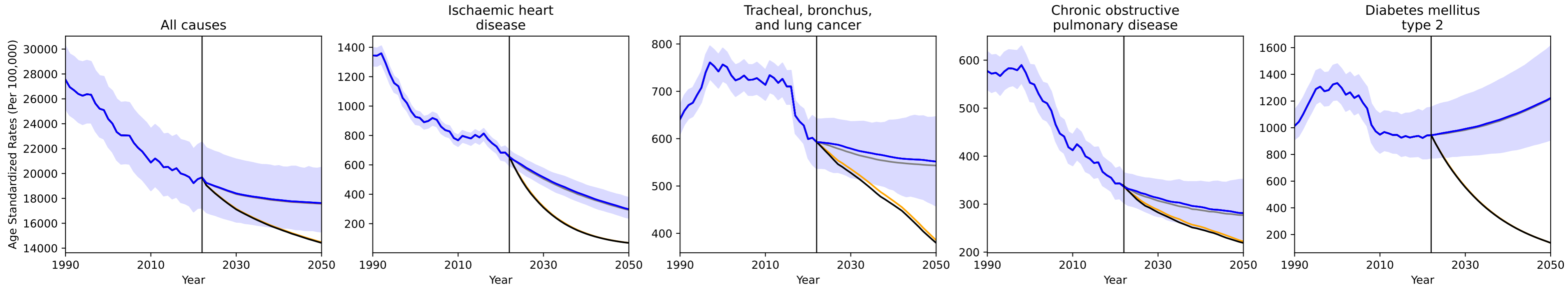
# China



# North Korea

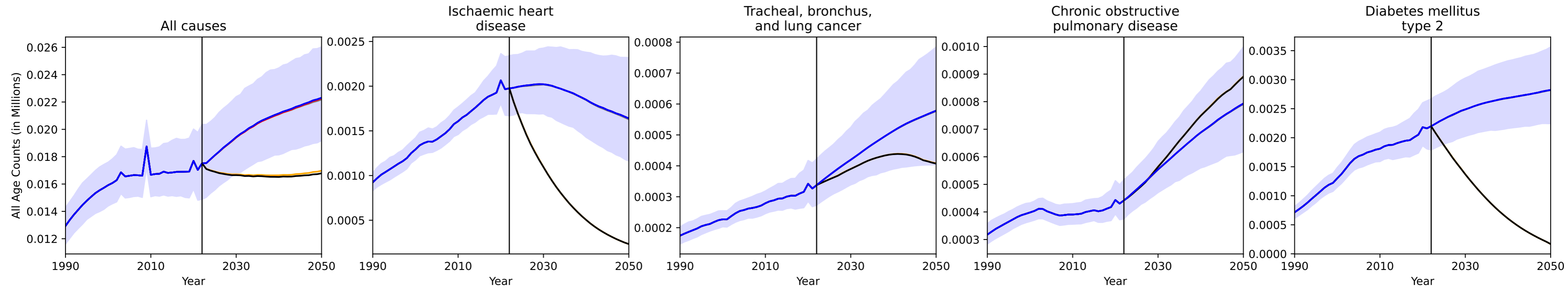
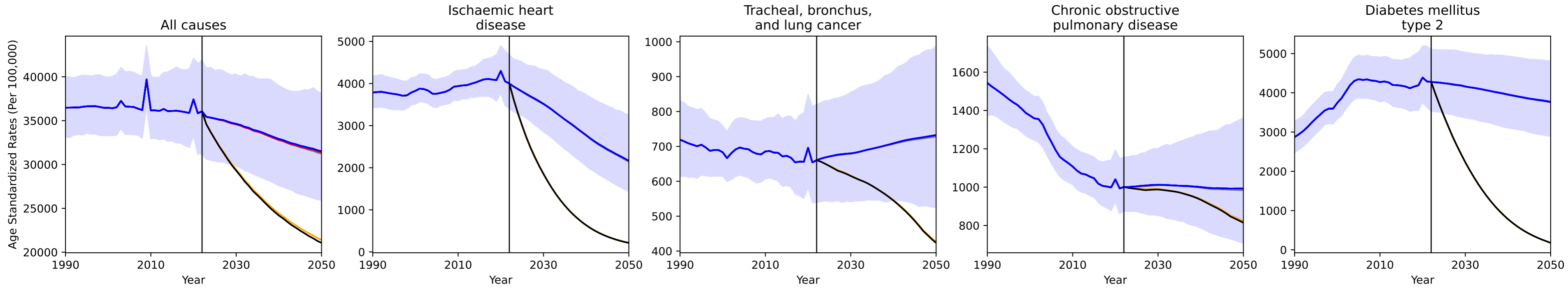


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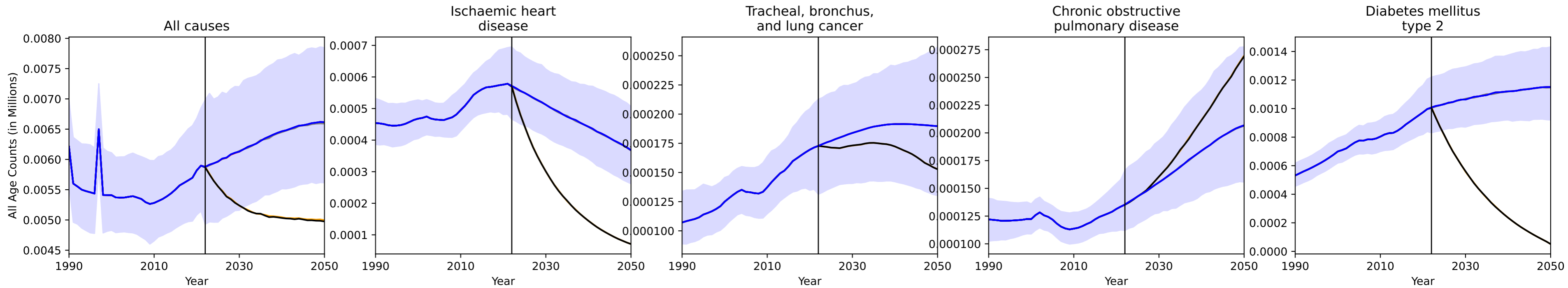
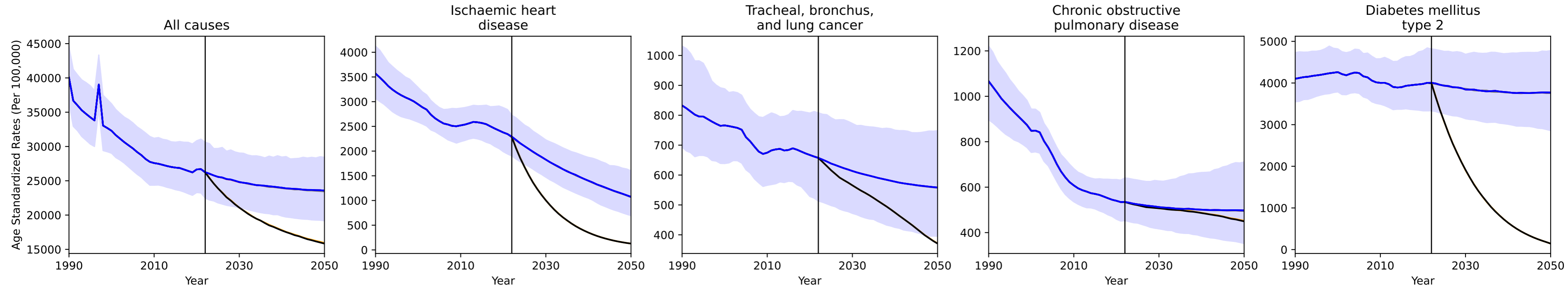


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

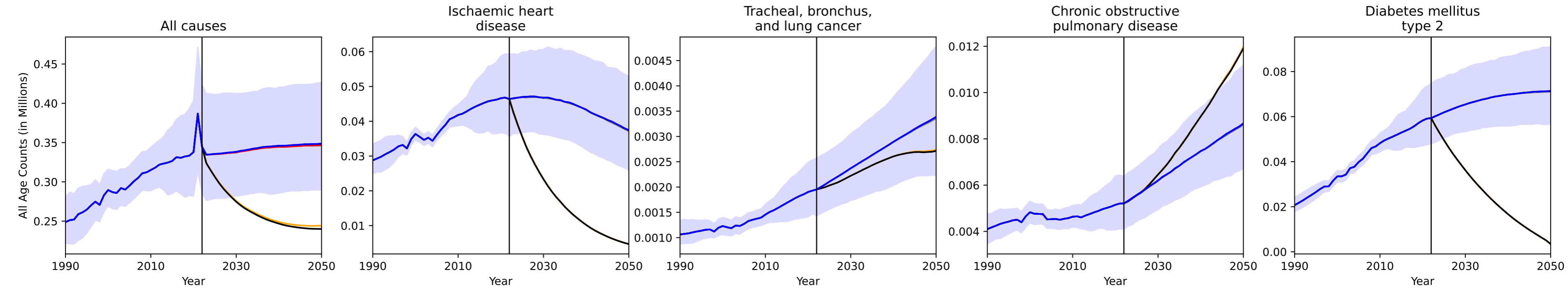
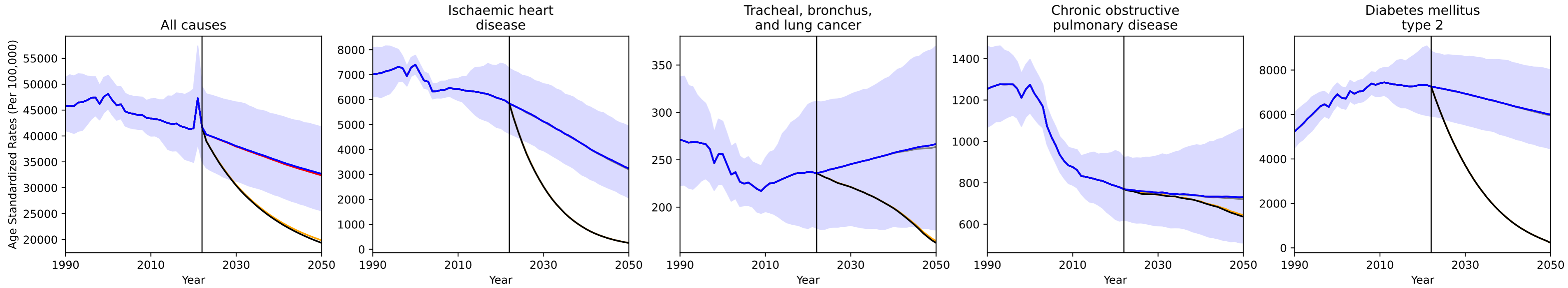
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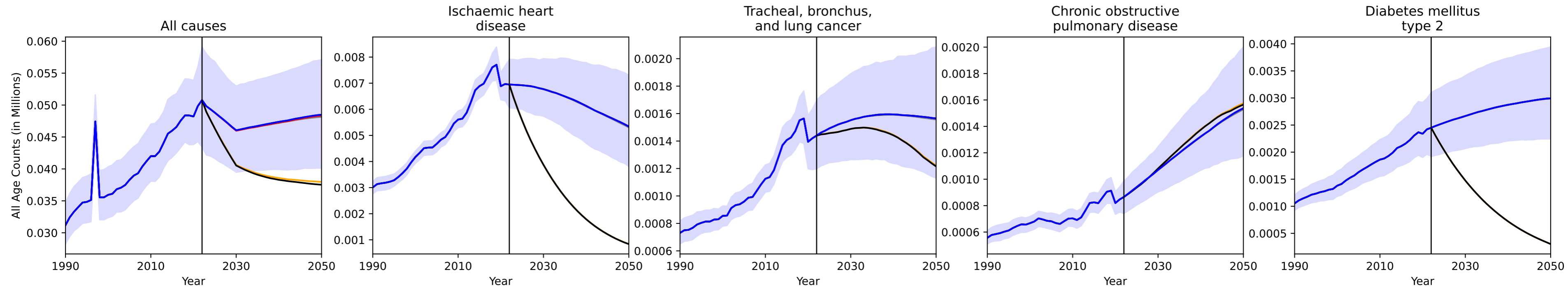
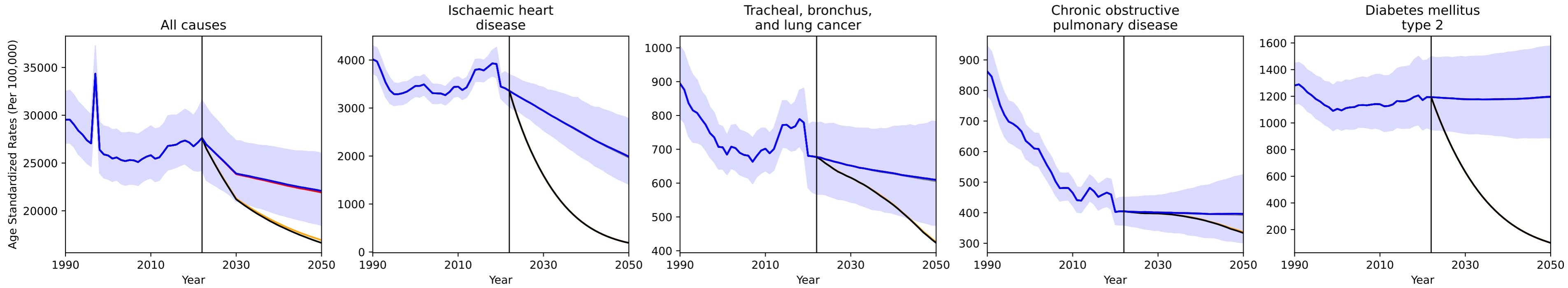
# Cook Islands



# Fiji

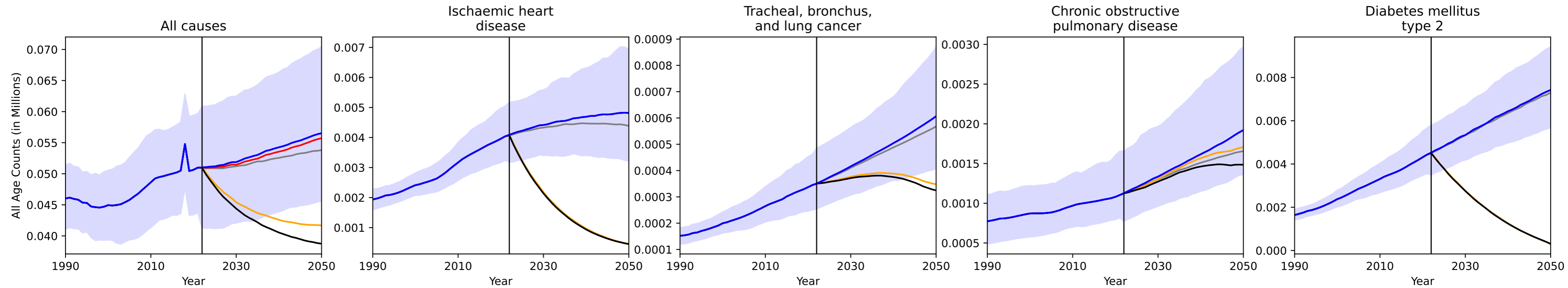
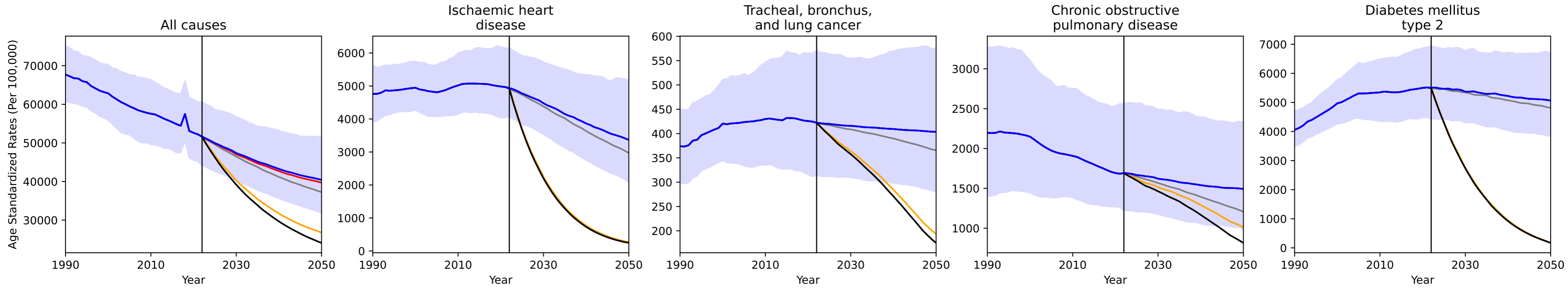


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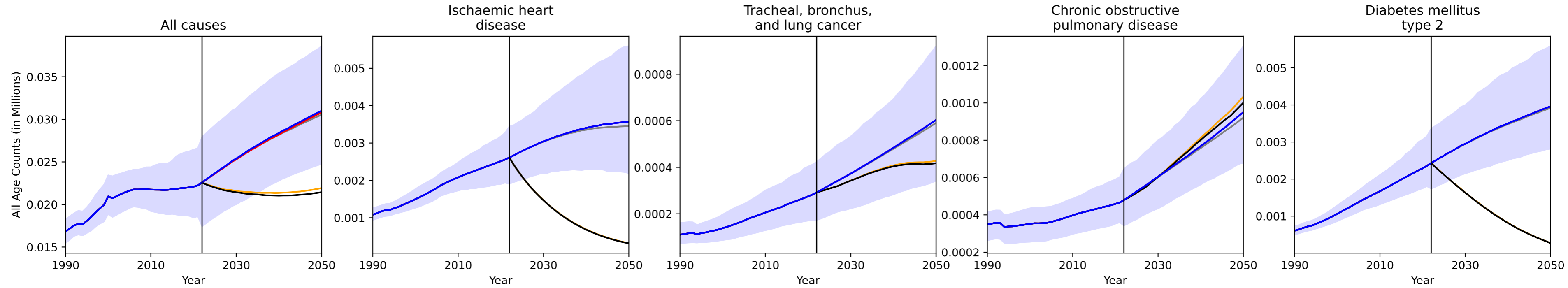
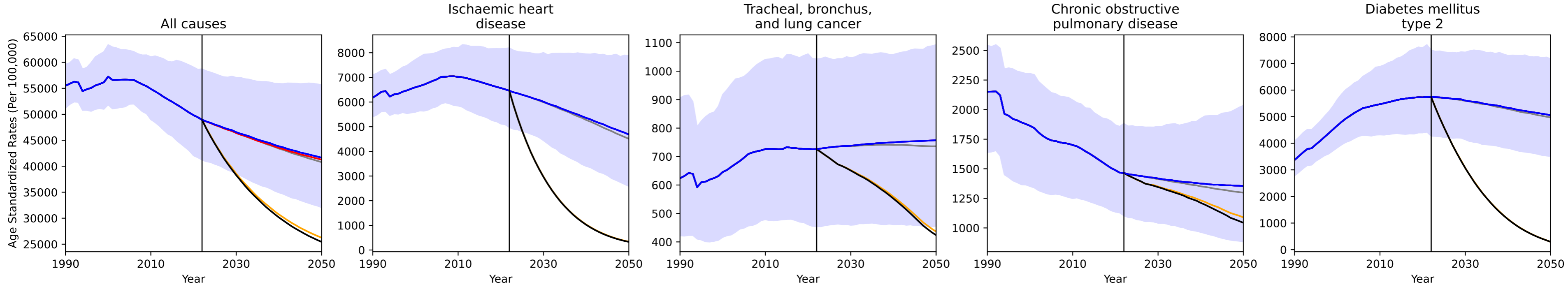




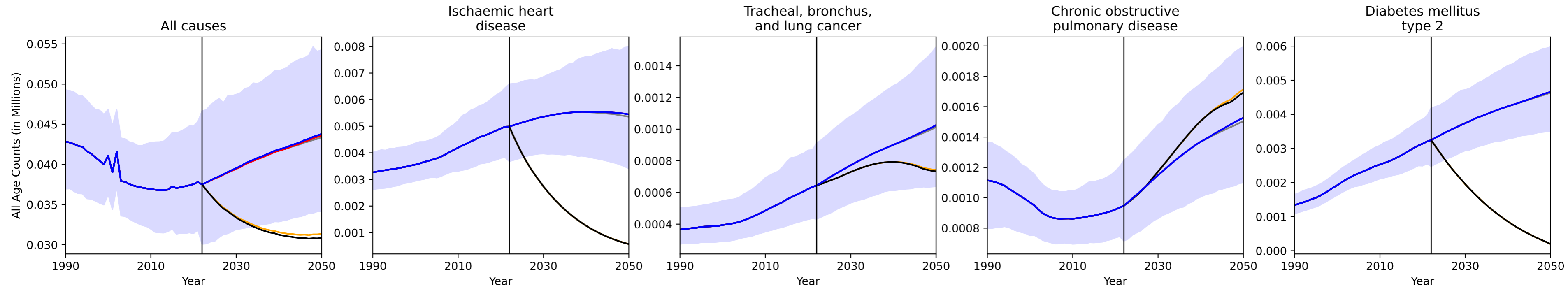
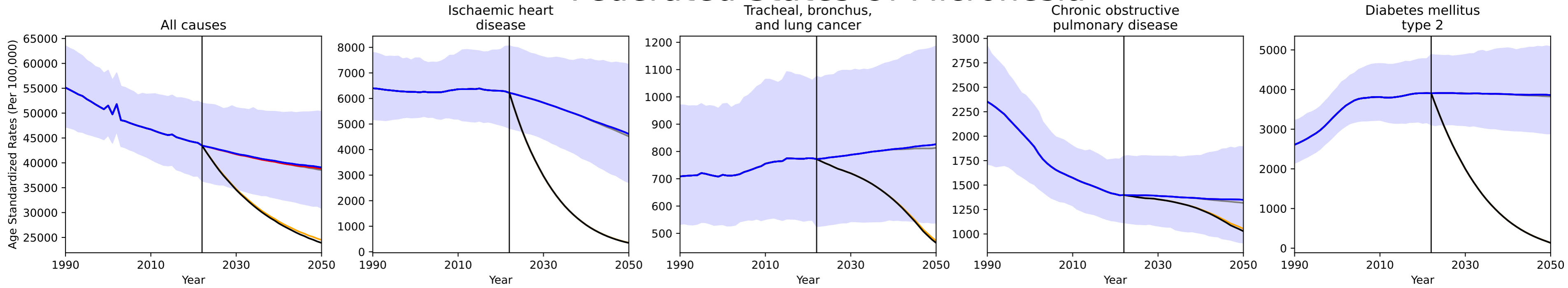
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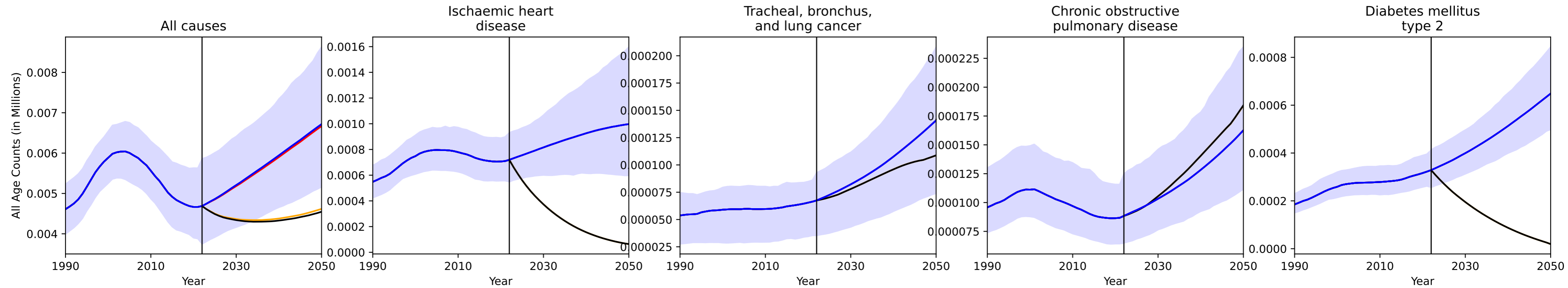
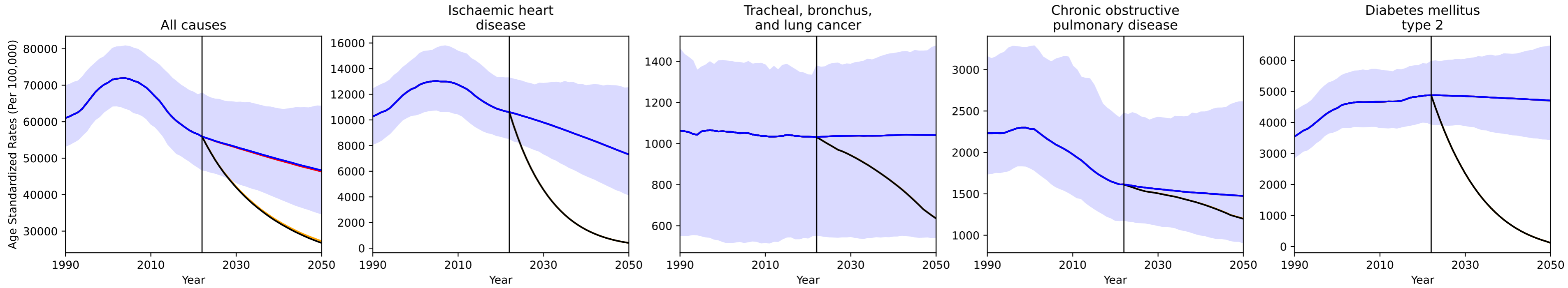
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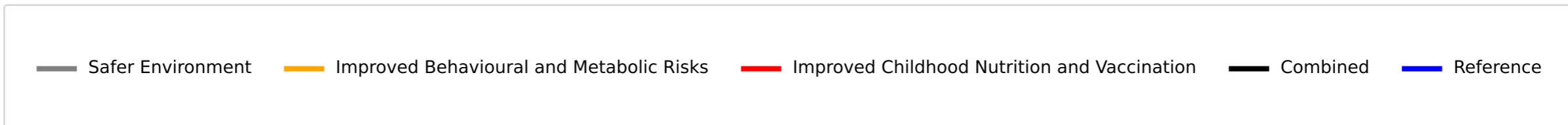
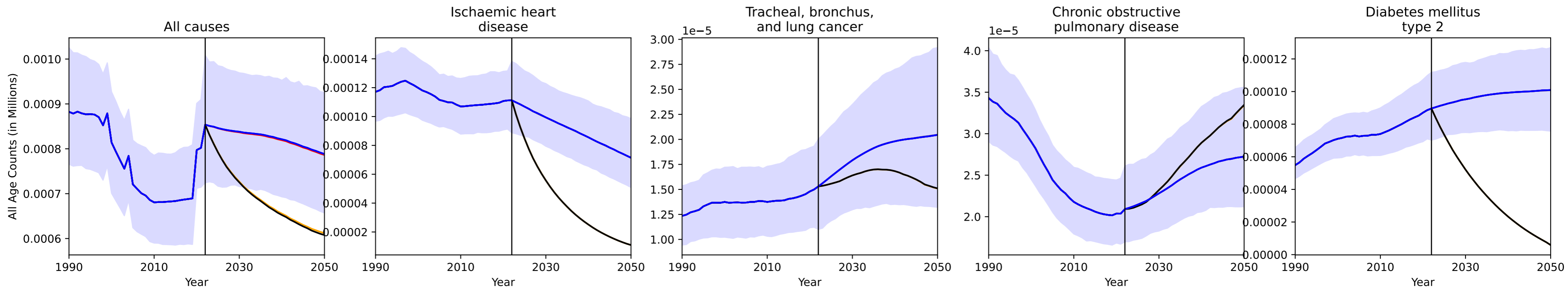
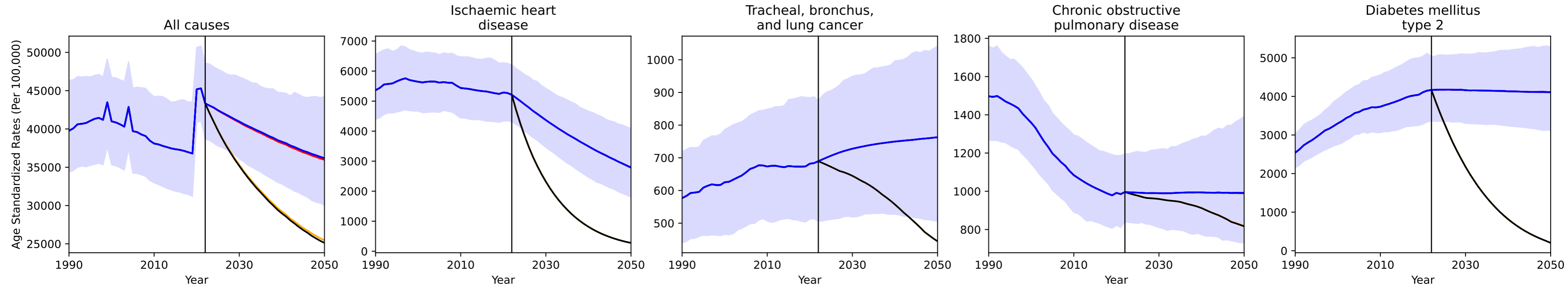
# Federated States Of Micronesia



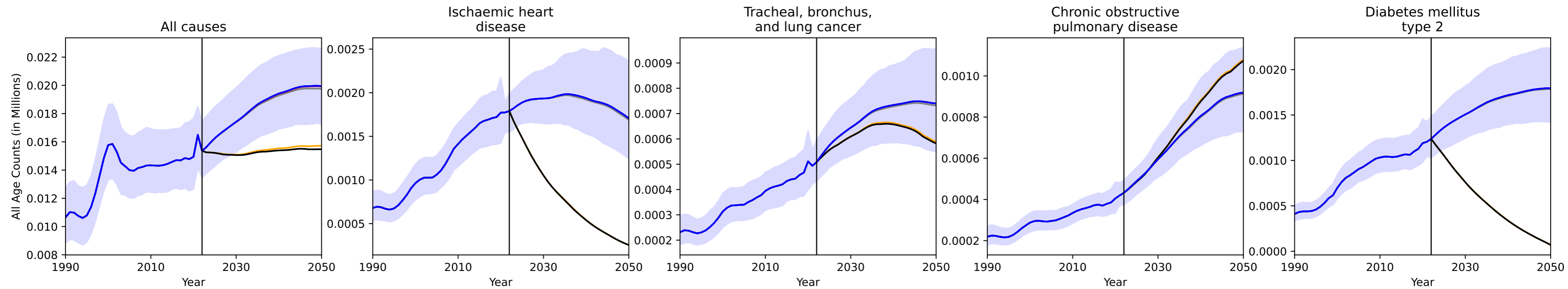
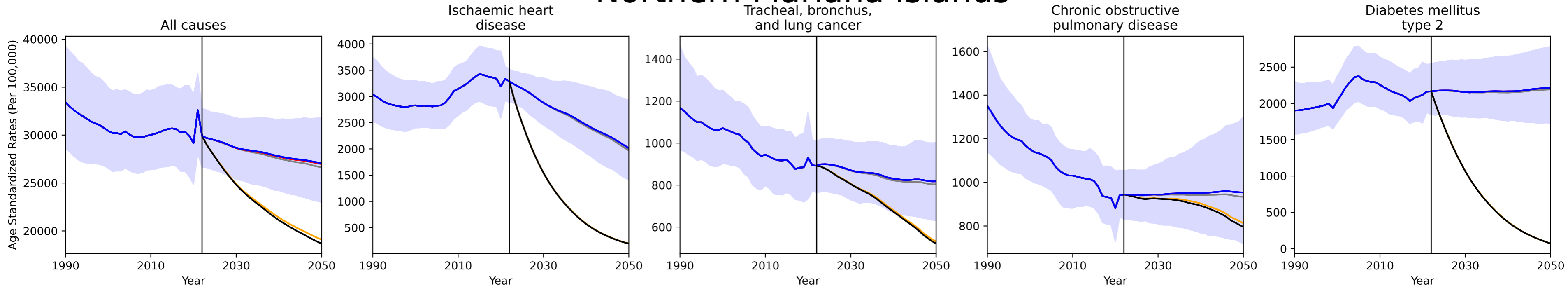
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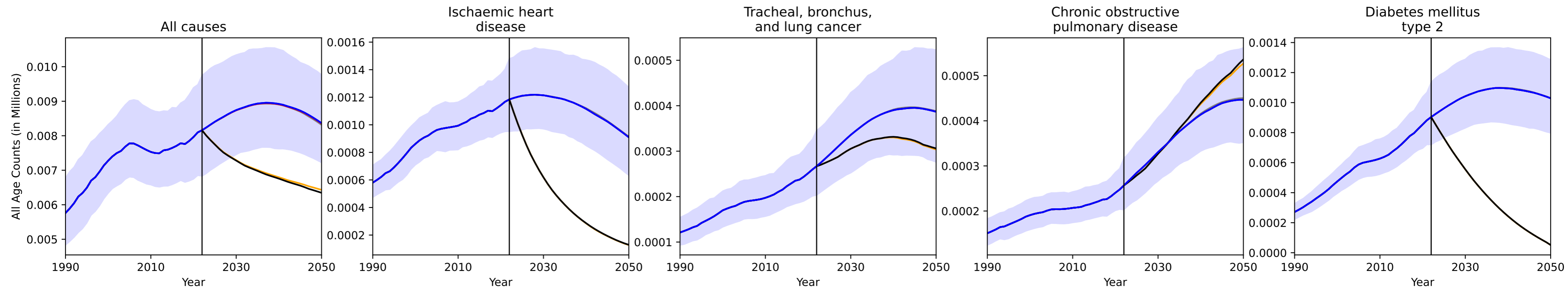
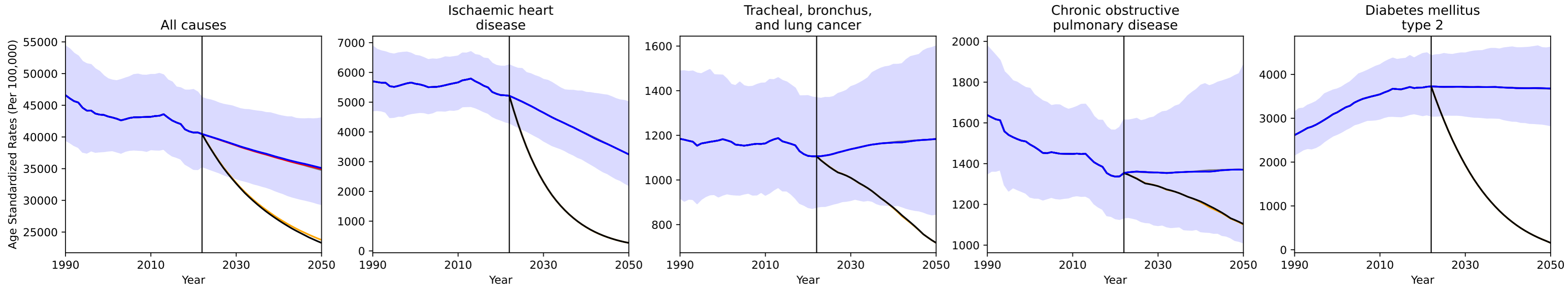
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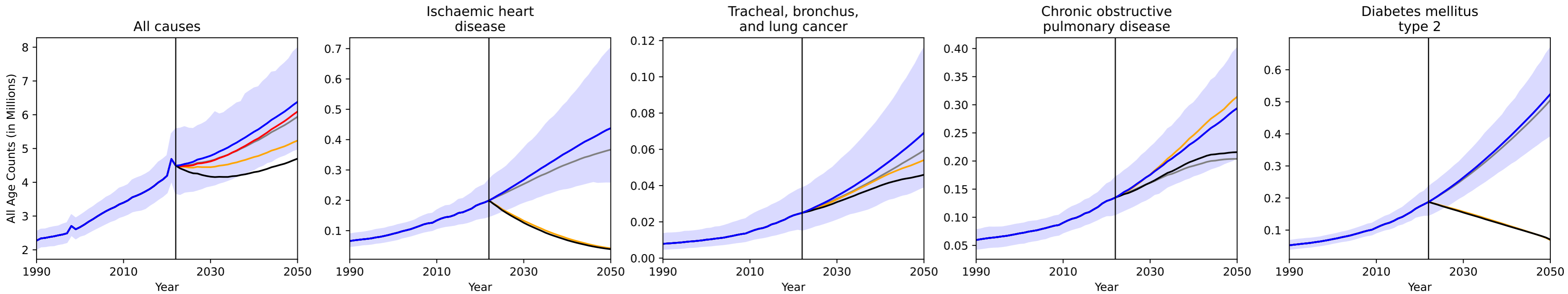
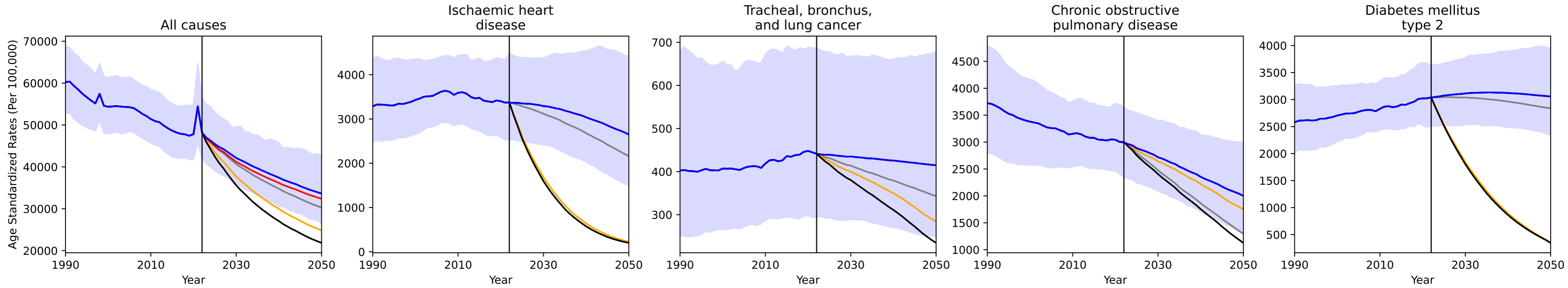
# Northern Mariana Islands



# Palau



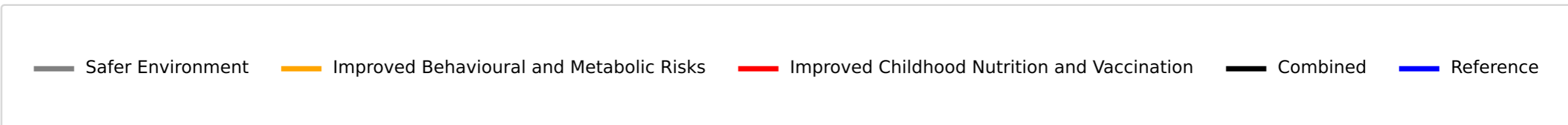
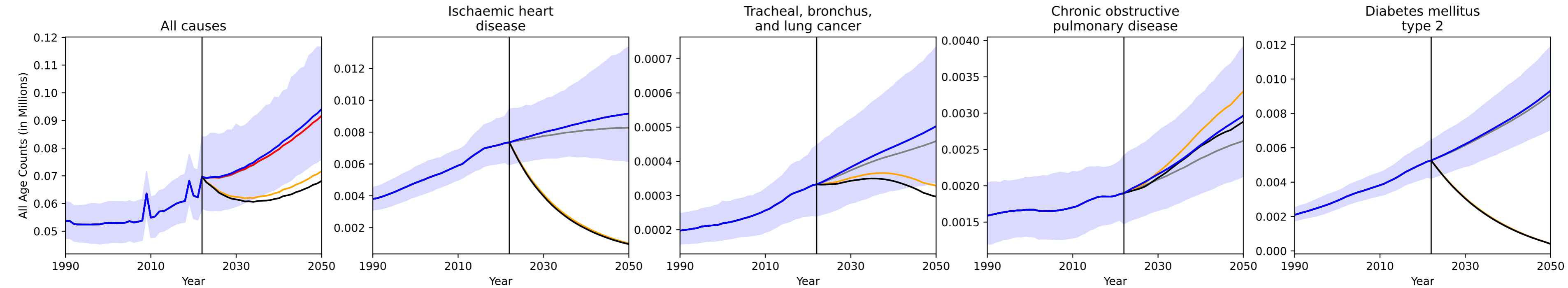
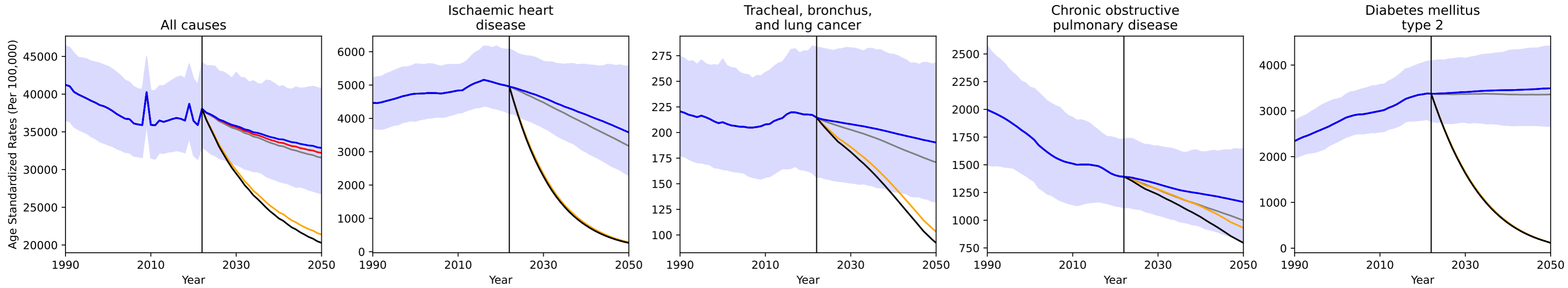
# Papua New Guinea



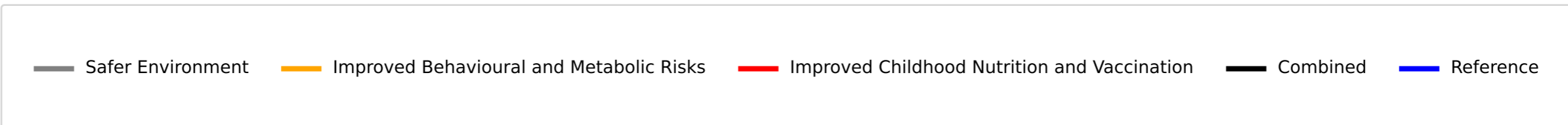
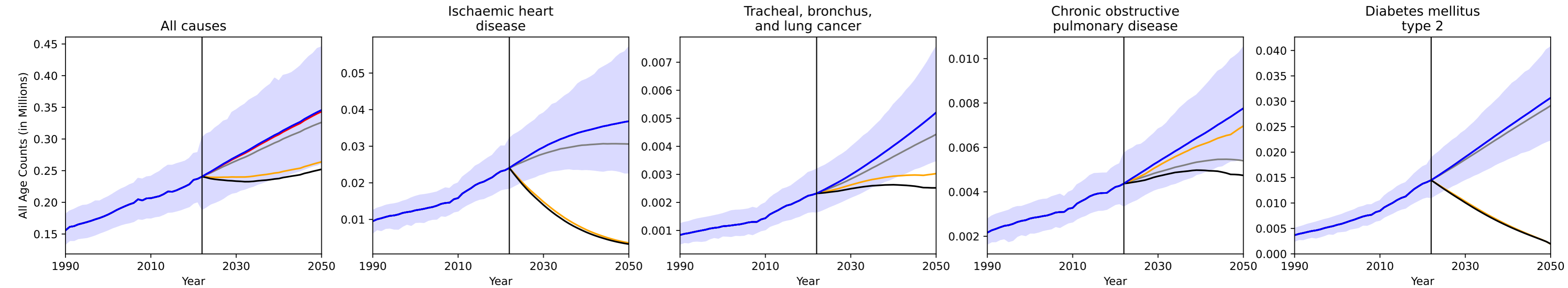
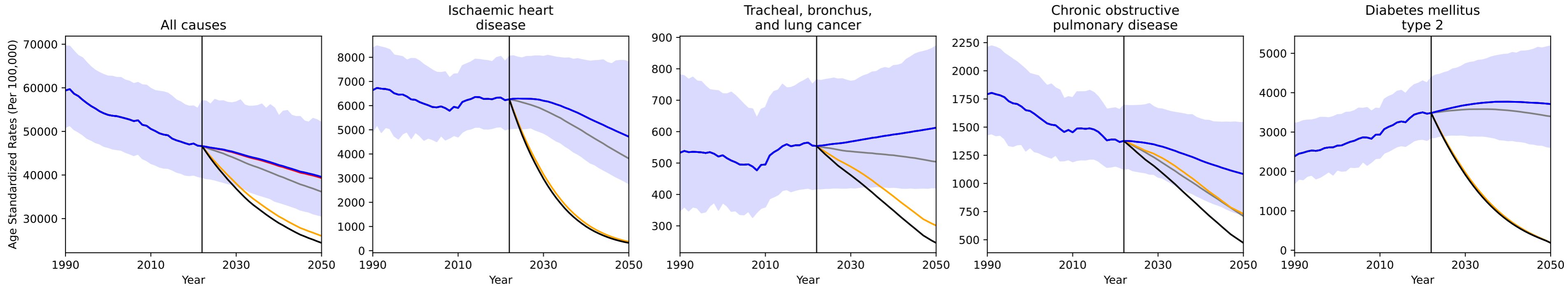
— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference



# Samoa

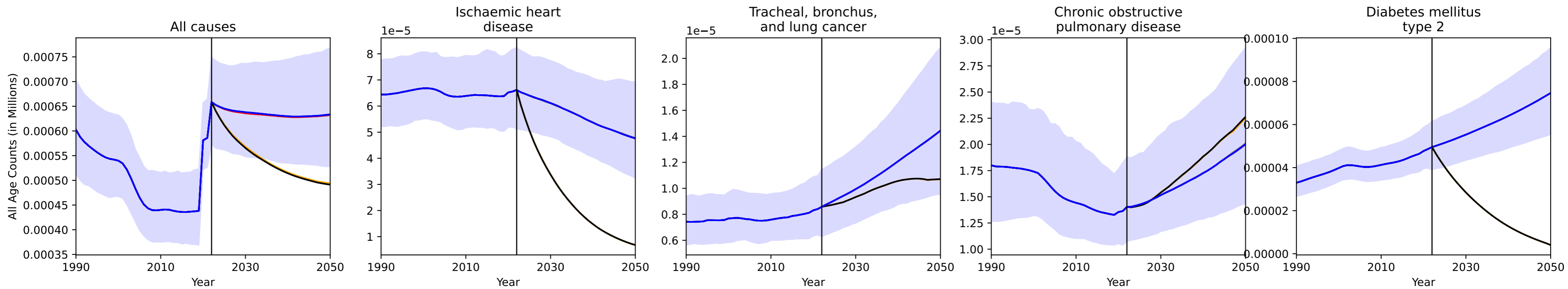
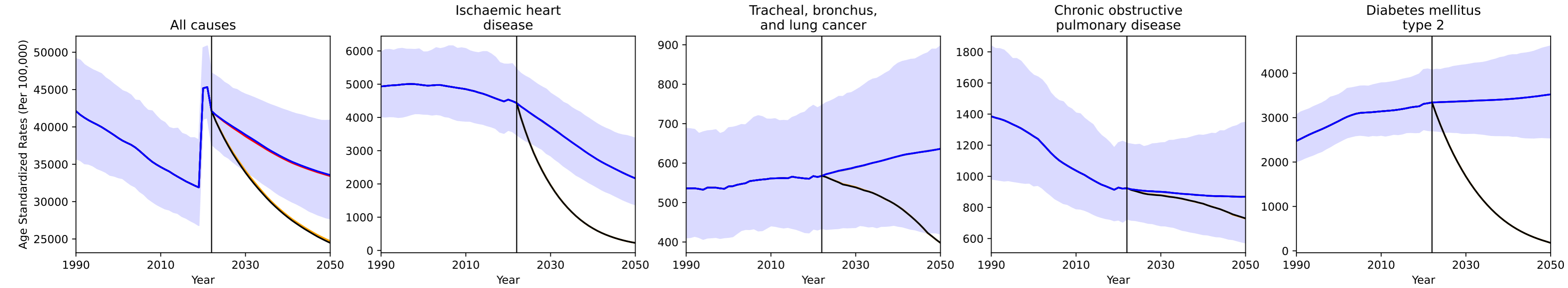


# Solomon Islands

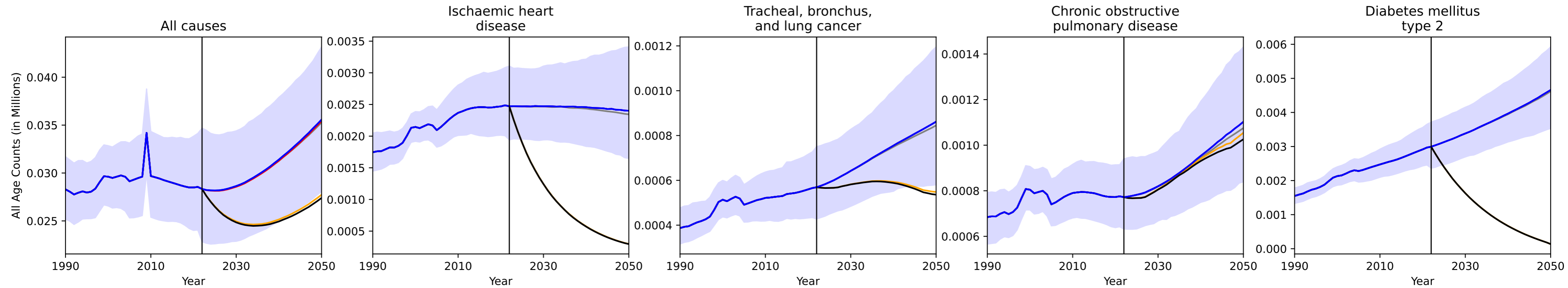
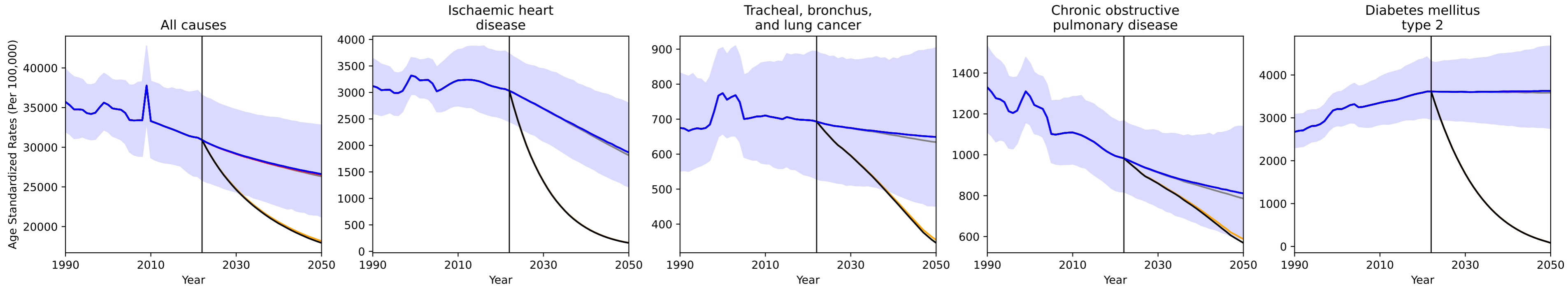


# Tokelau

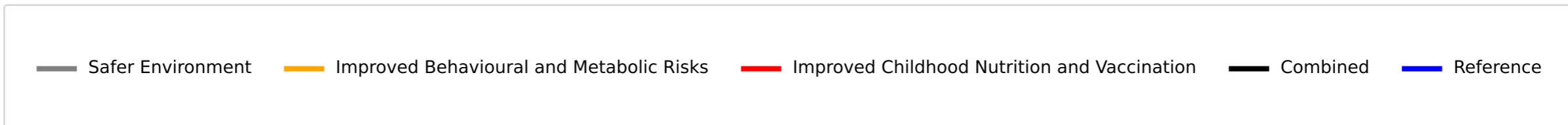
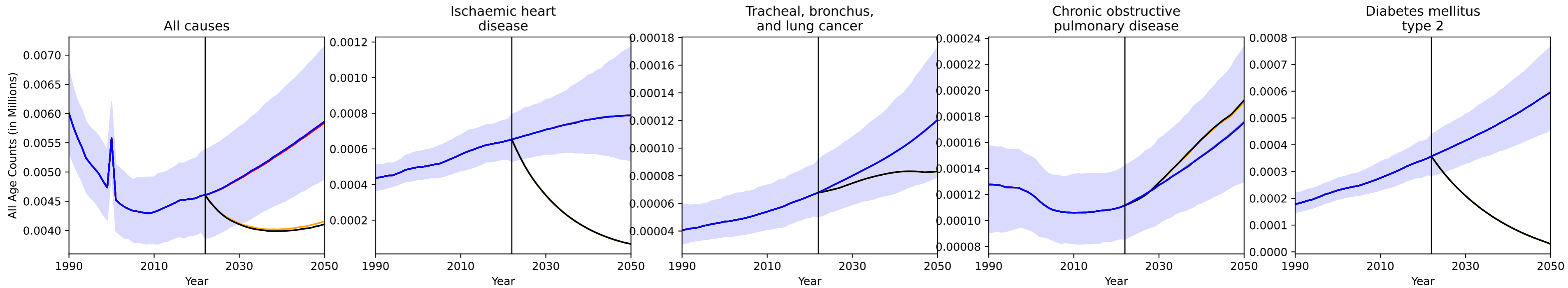
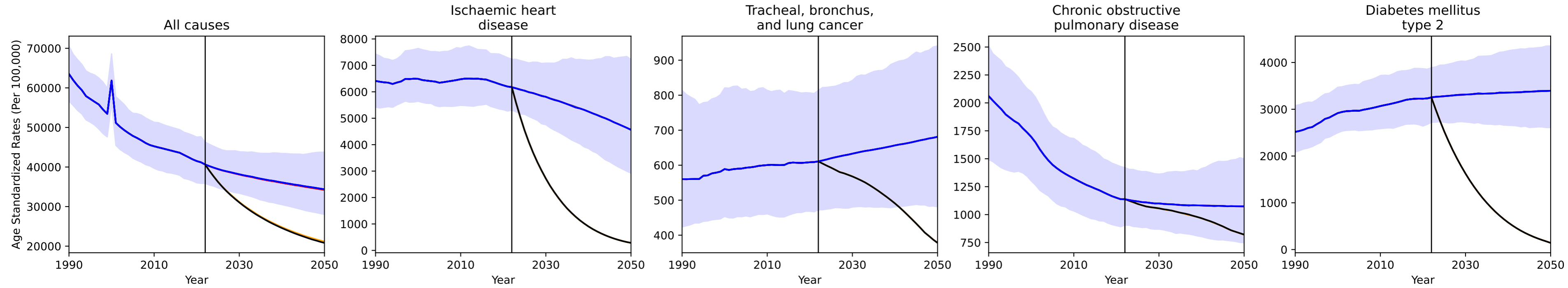
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



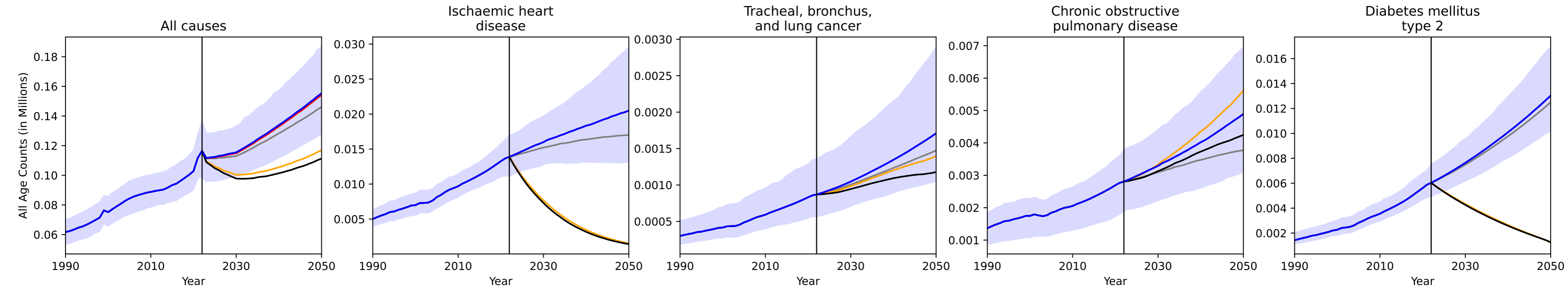
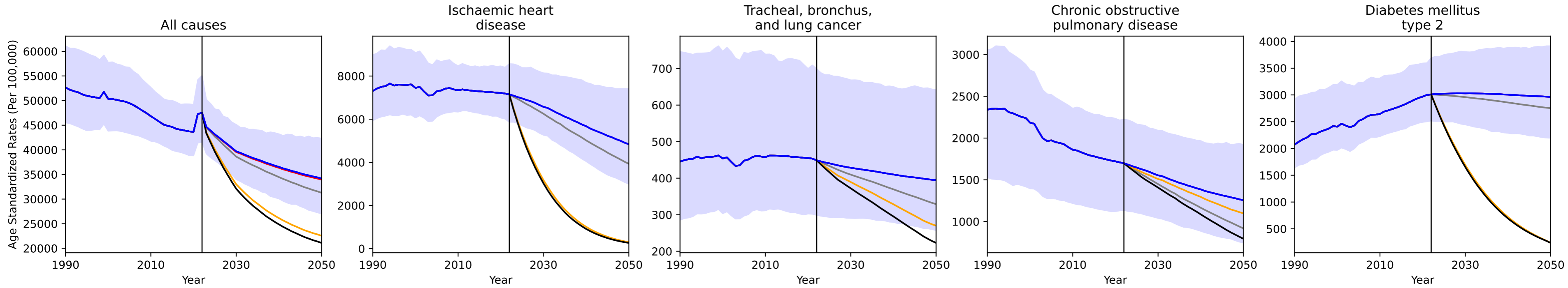
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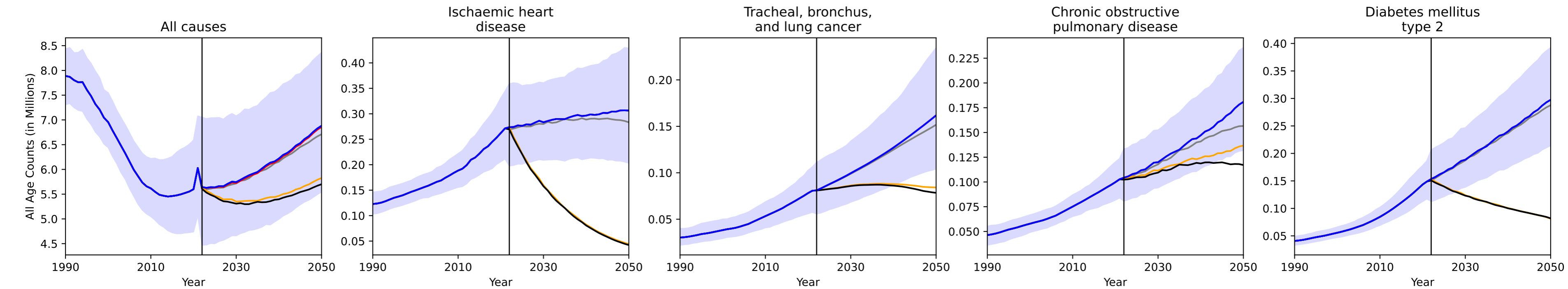
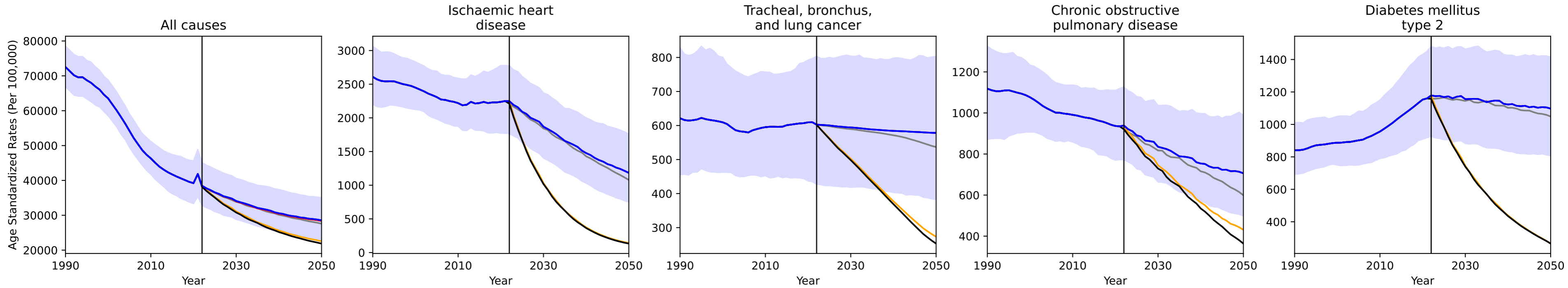
# Tuvalu



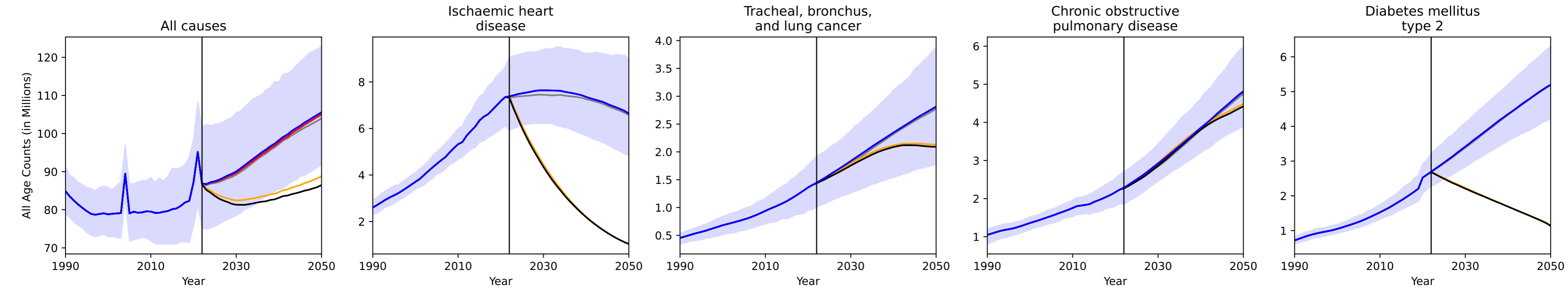
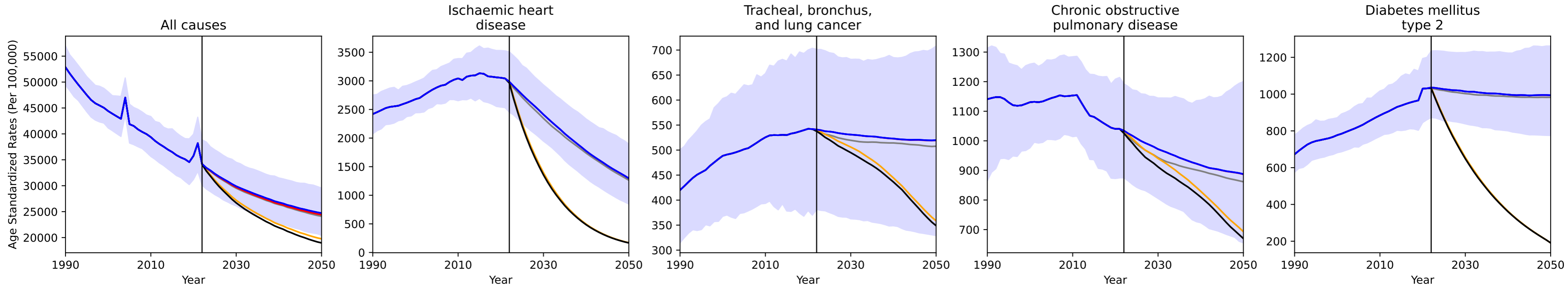
# Vanuatu



# Cambodia

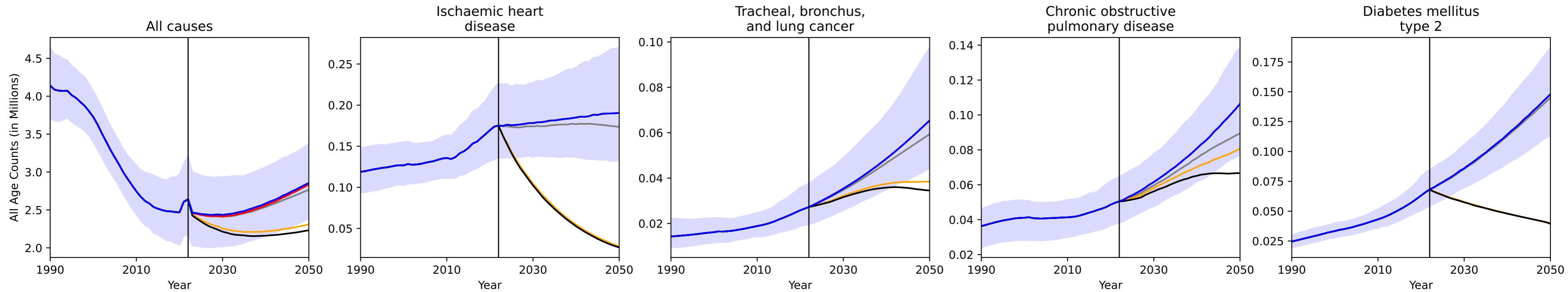
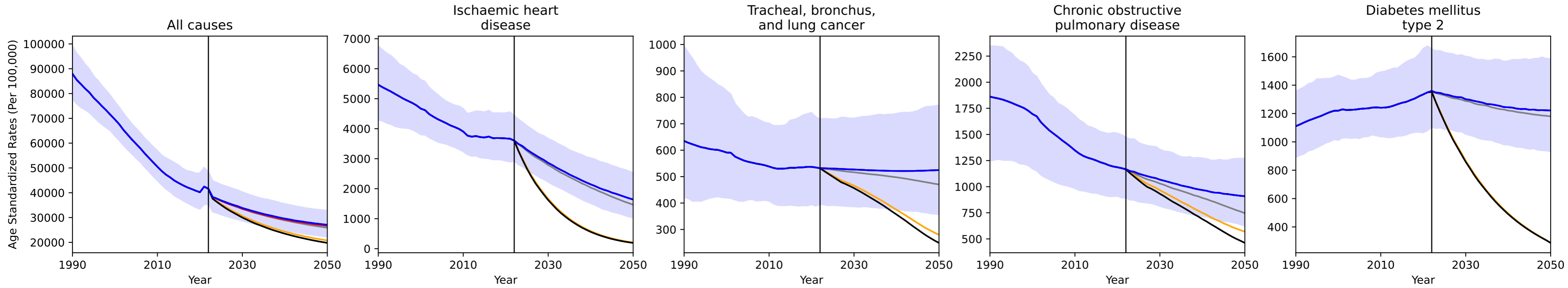


# Indonesia

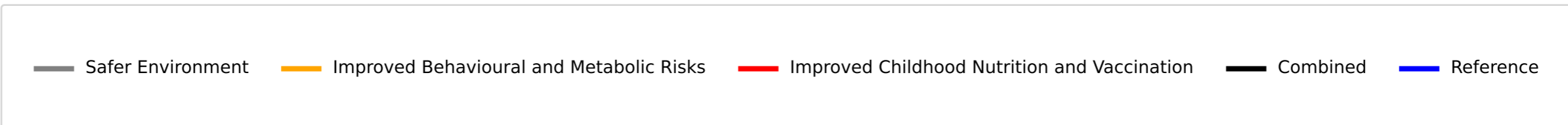
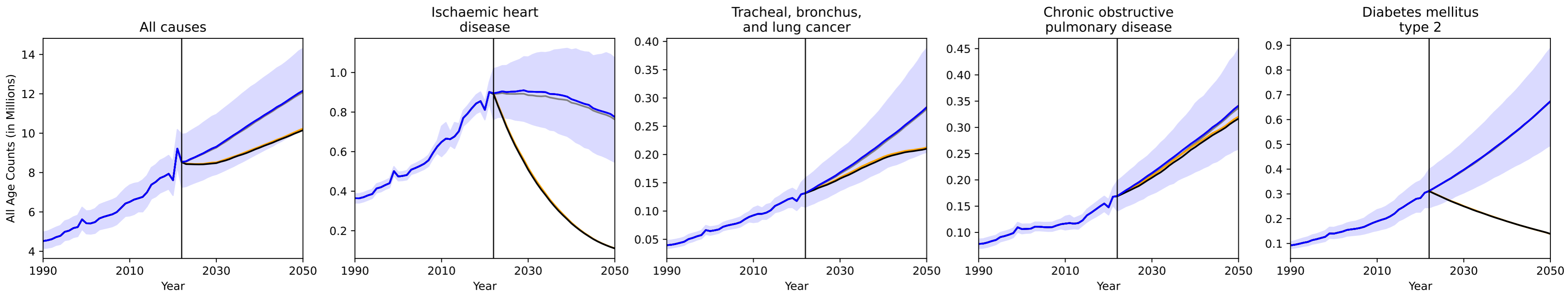
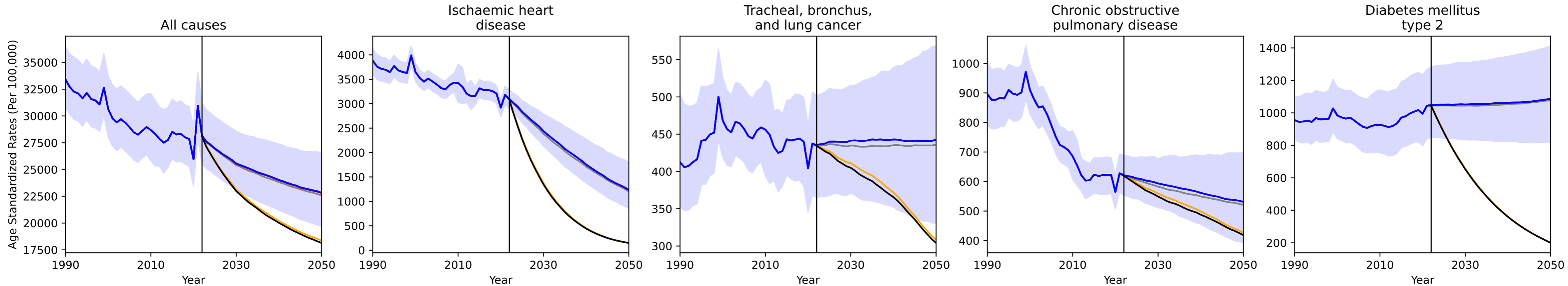




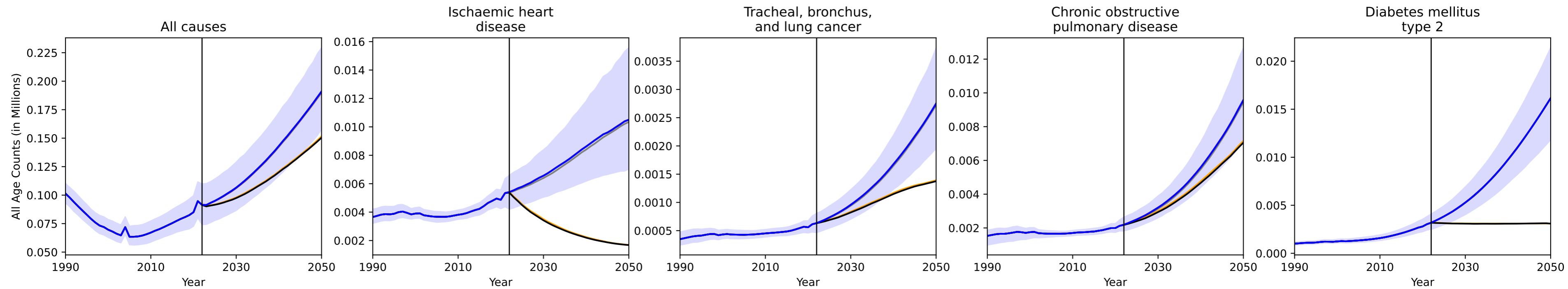
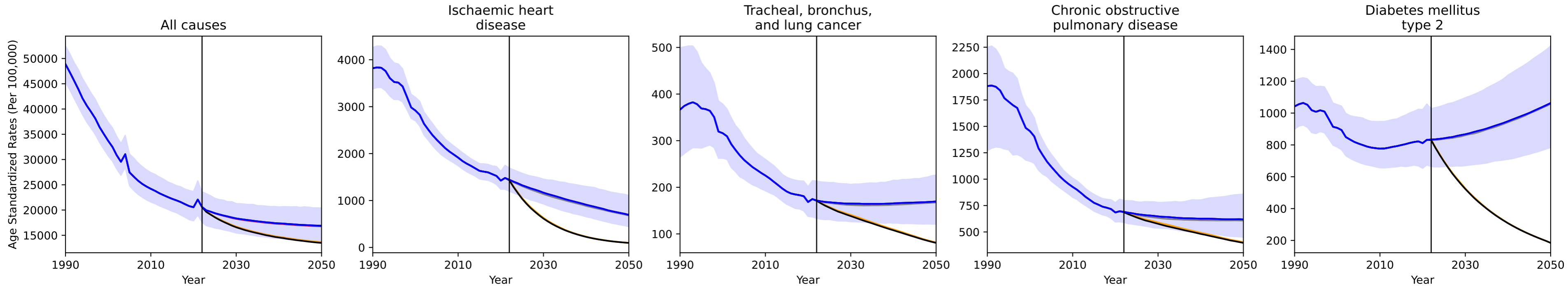
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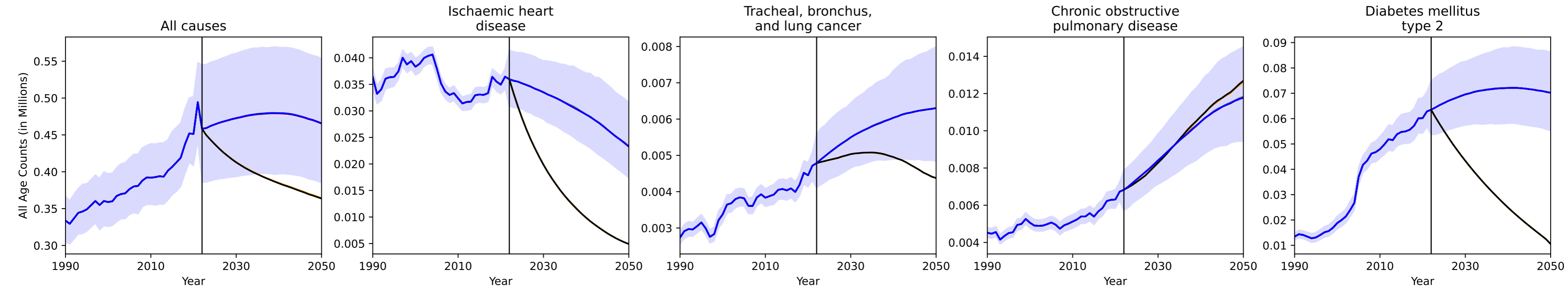
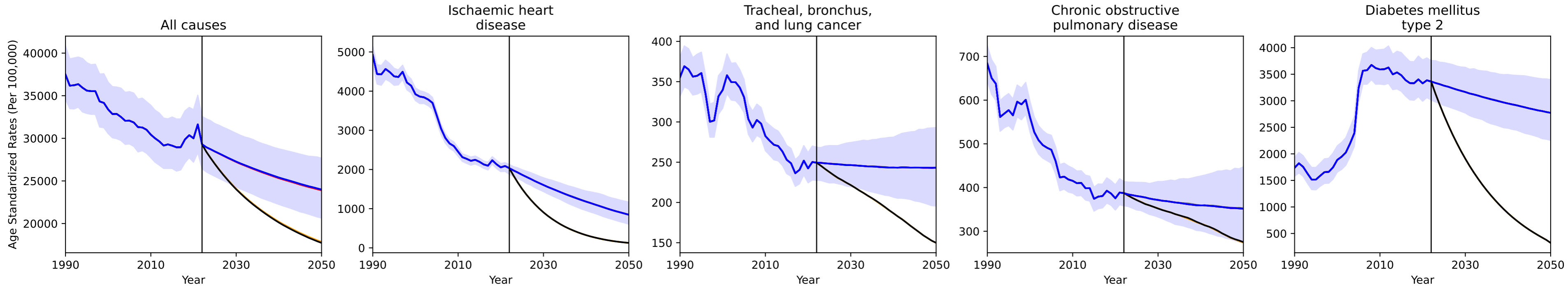
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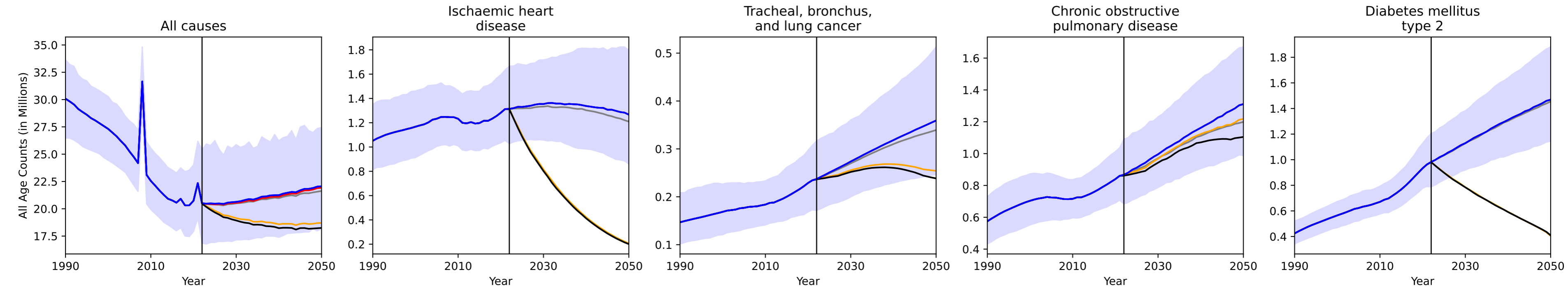
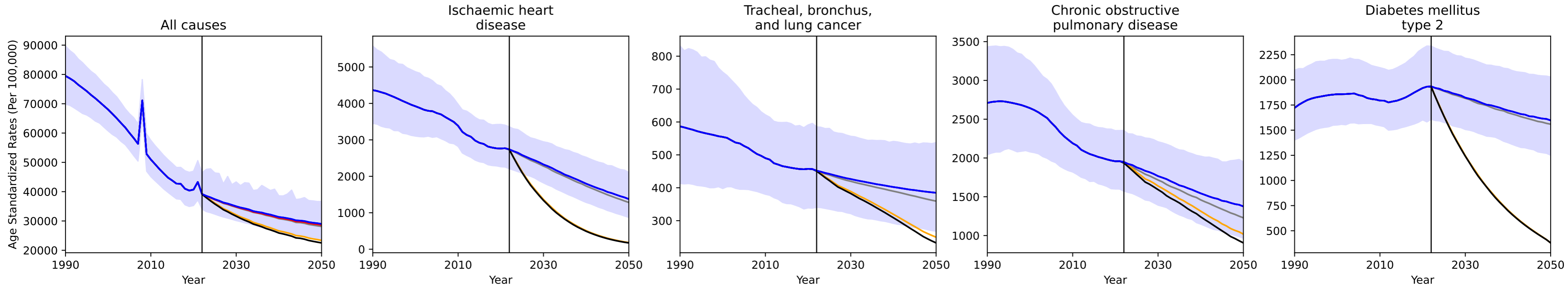
# Maldives



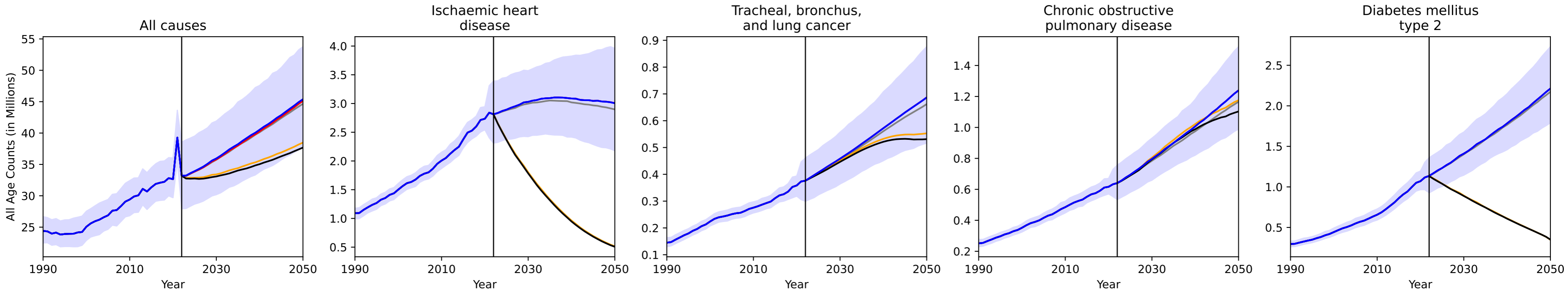
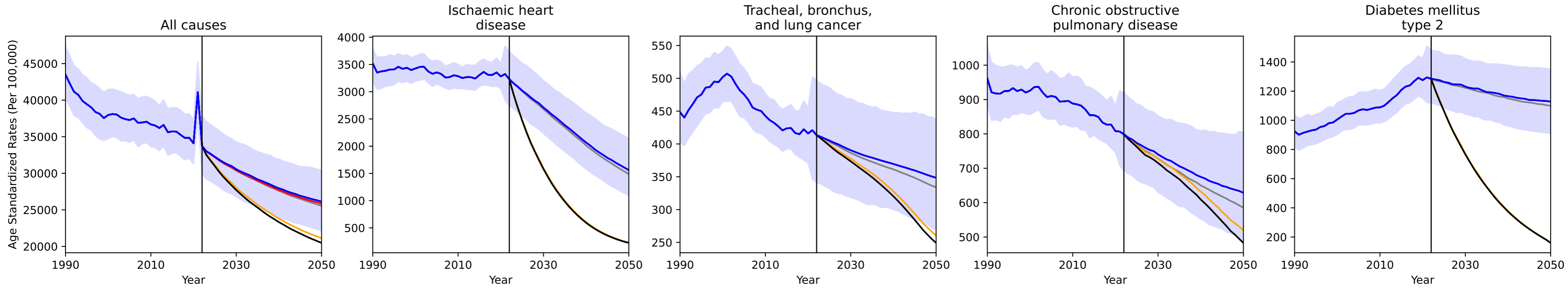
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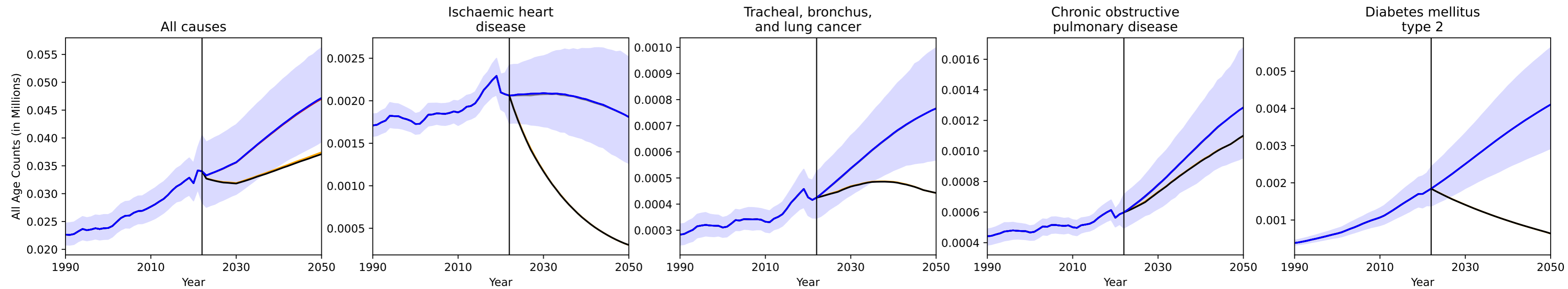
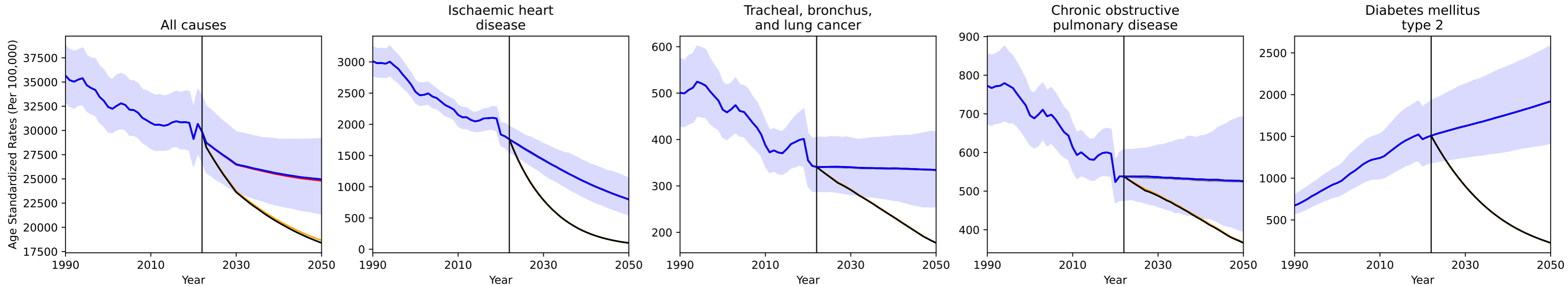
# Myanmar



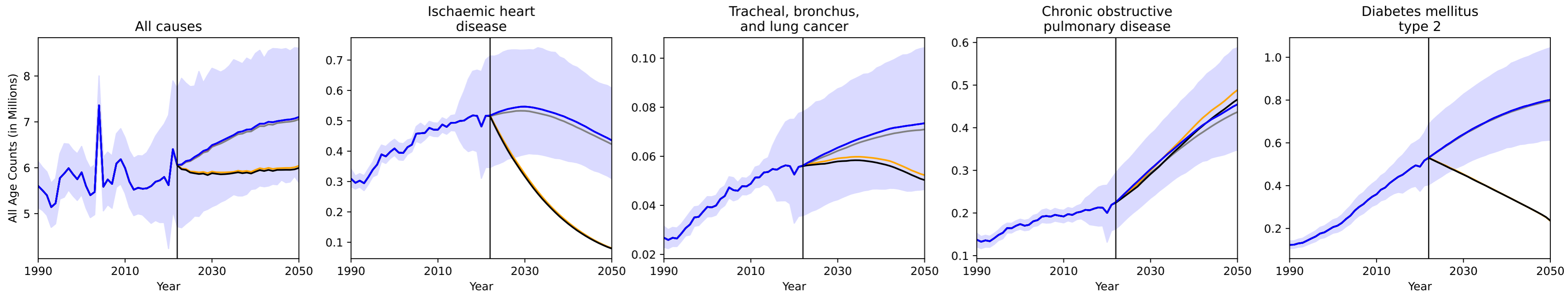
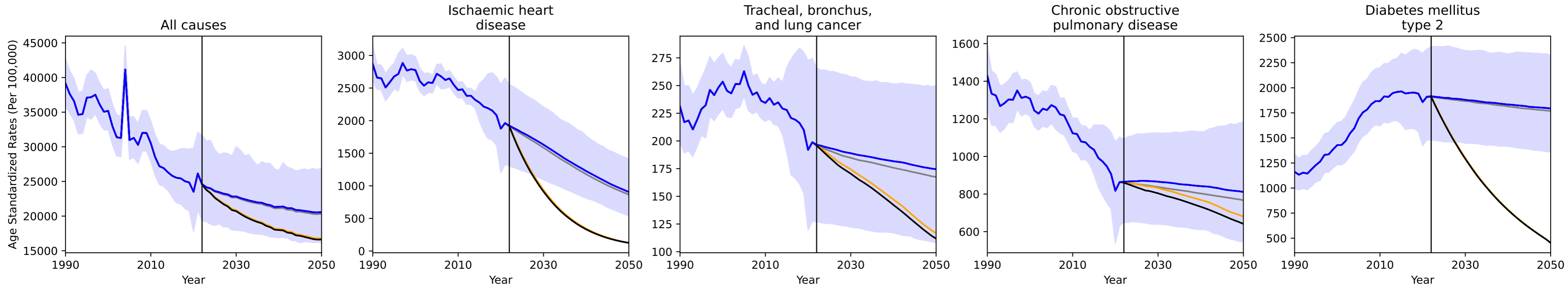
# Philippines



# Seychelles



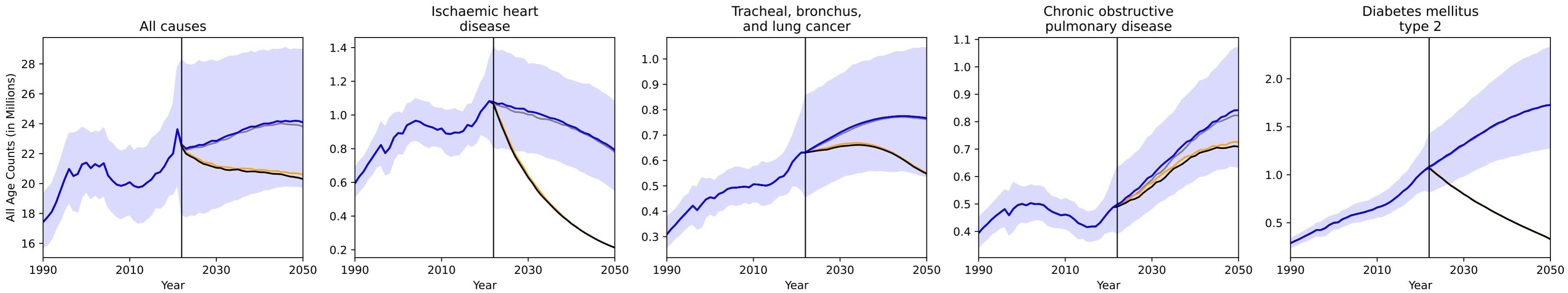
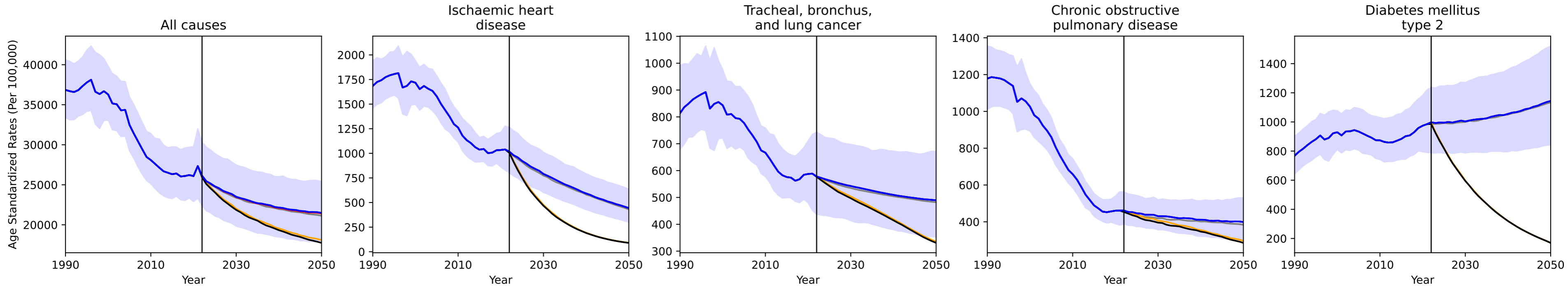
# Sri Lanka



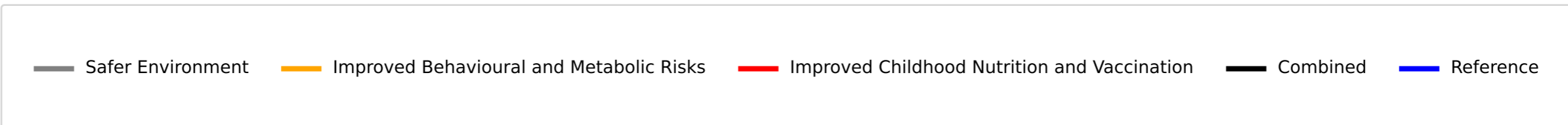
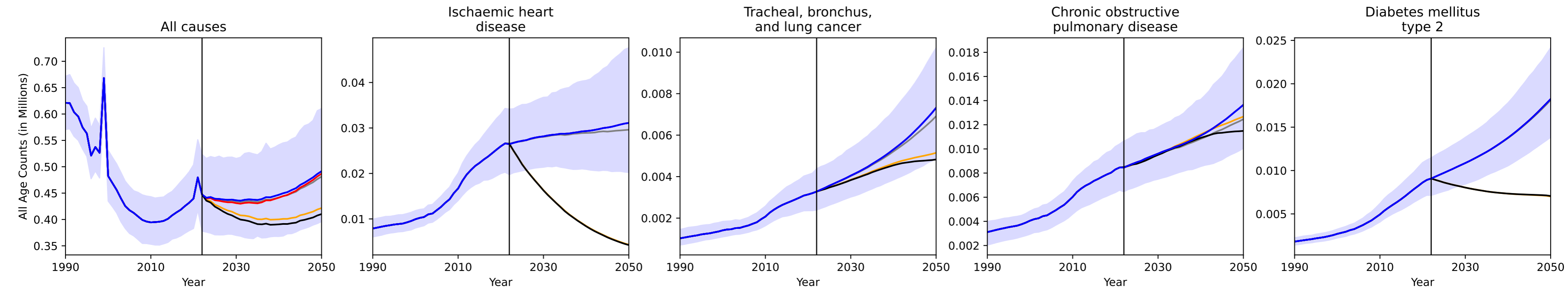
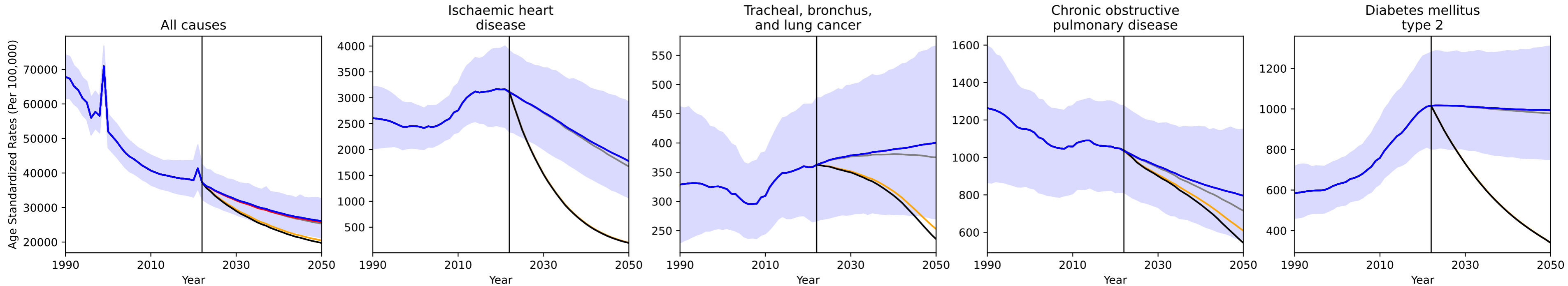
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



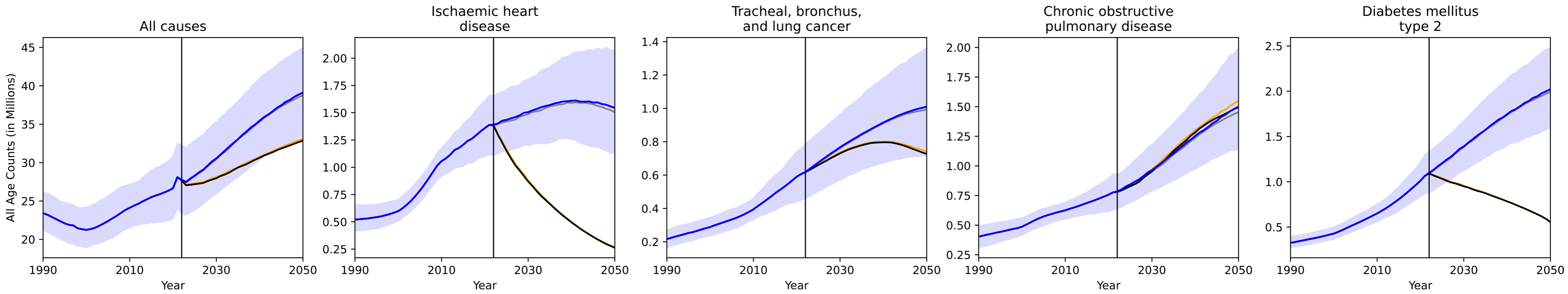
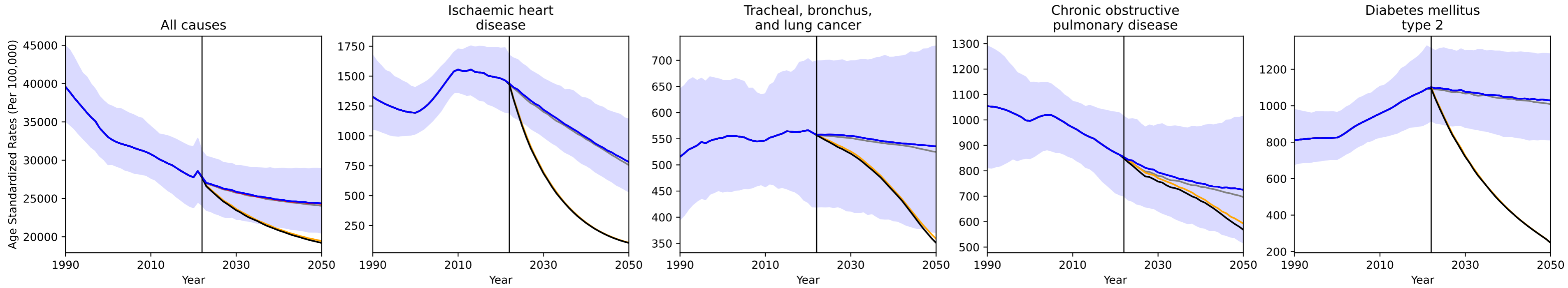
# Thailand



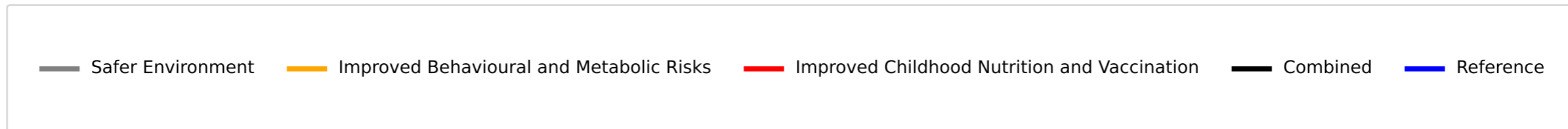
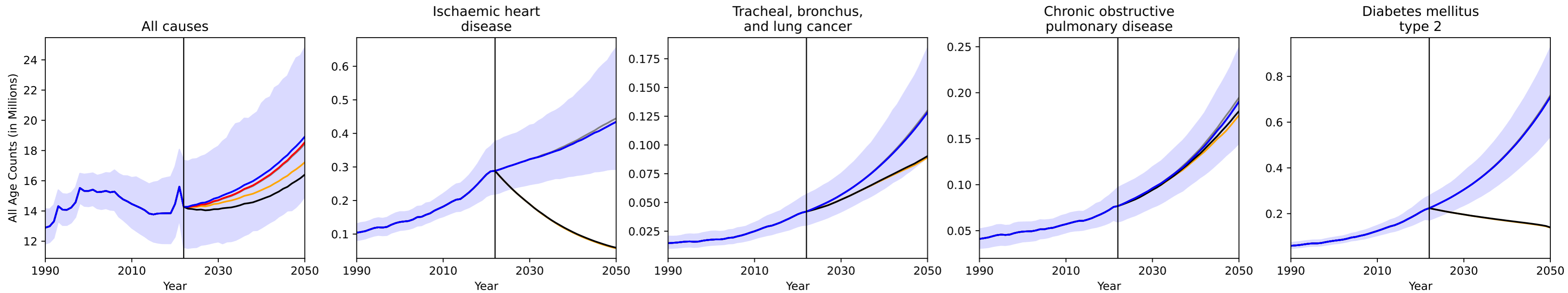
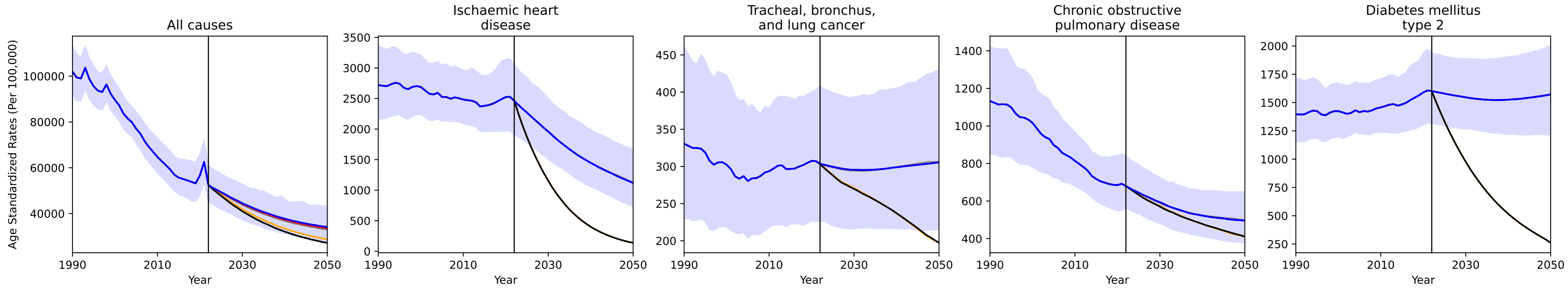
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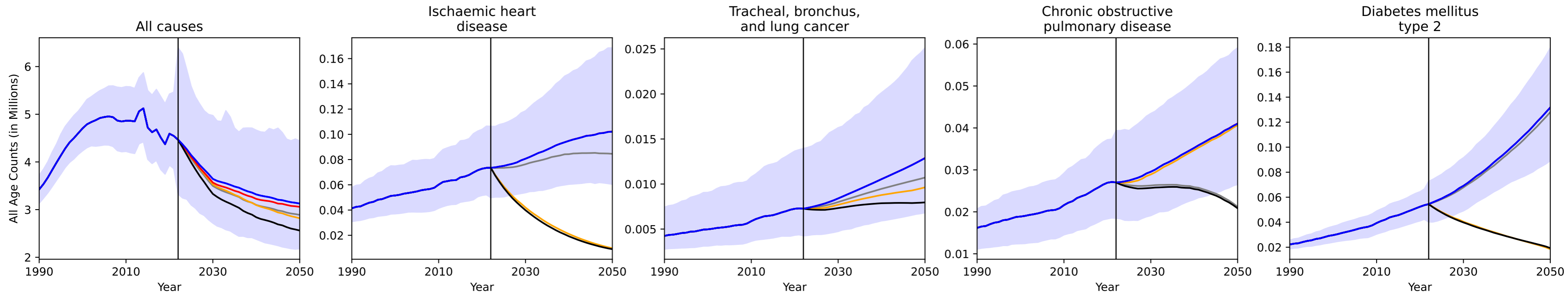
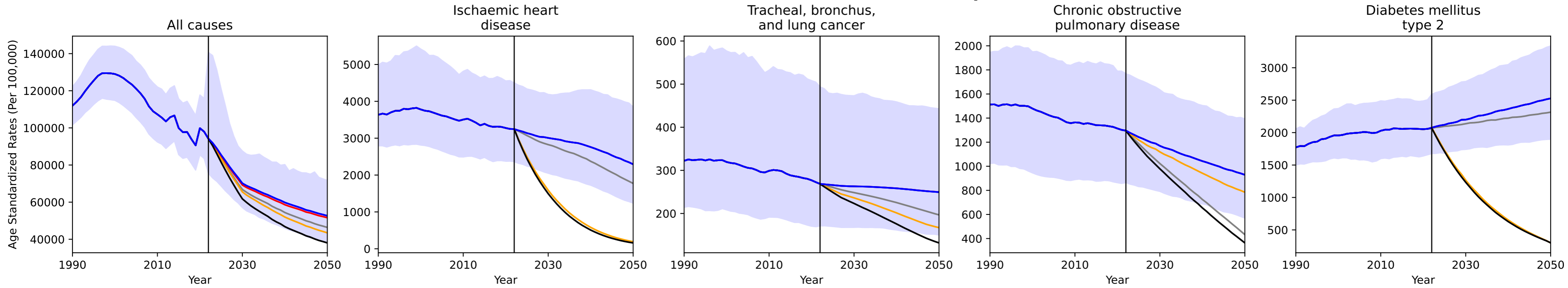
# Viet Nam



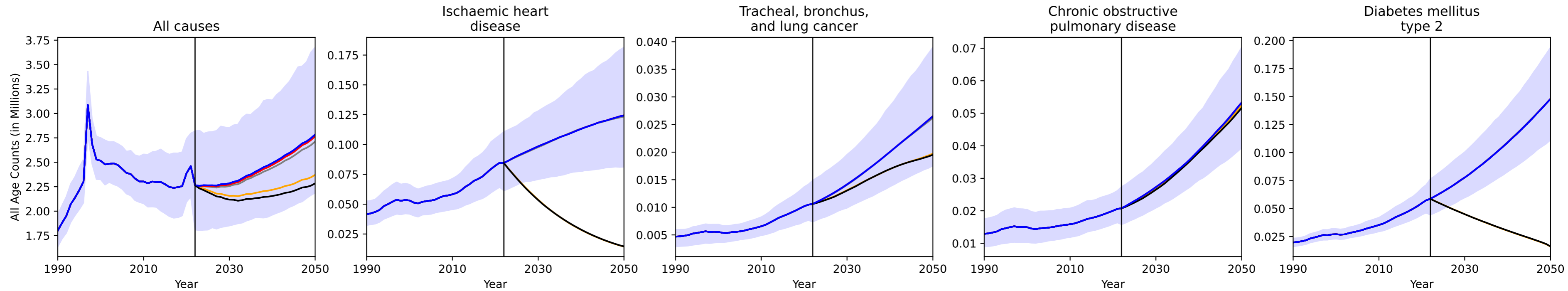
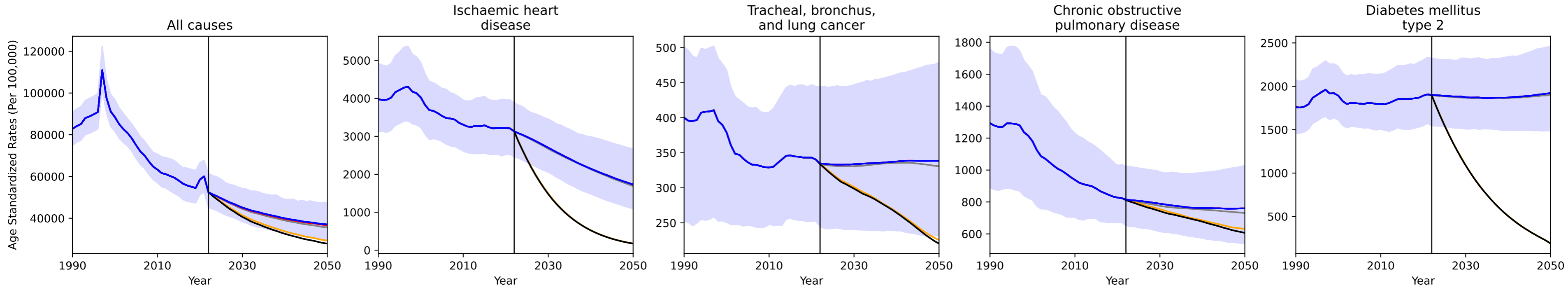
# Angola



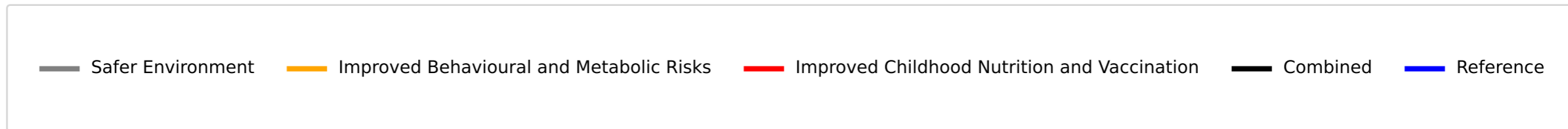
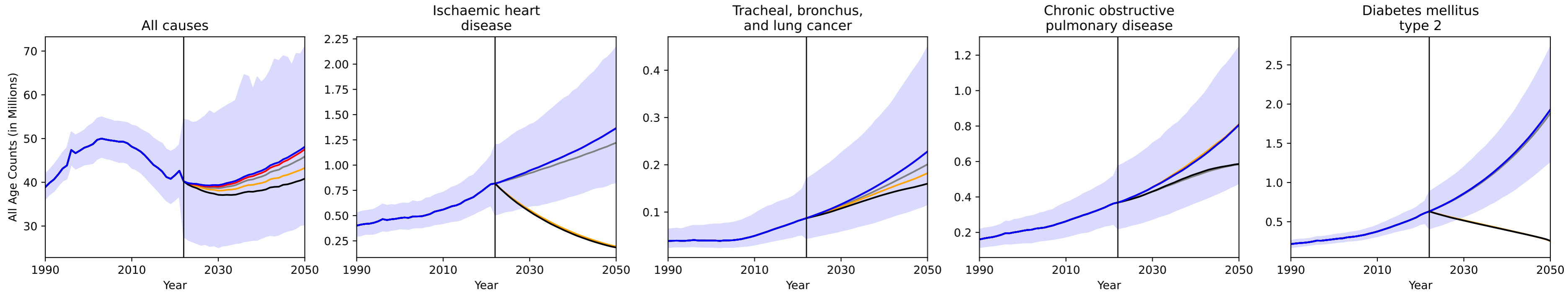
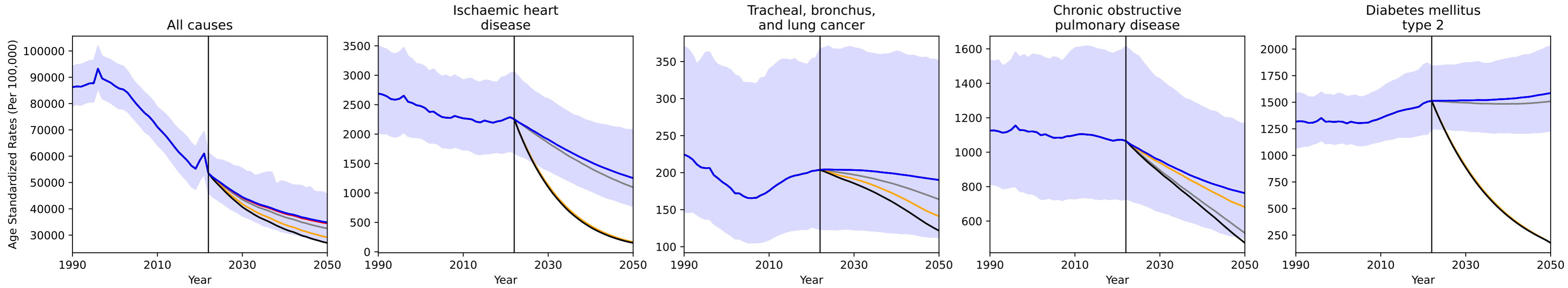
# Central African Republic



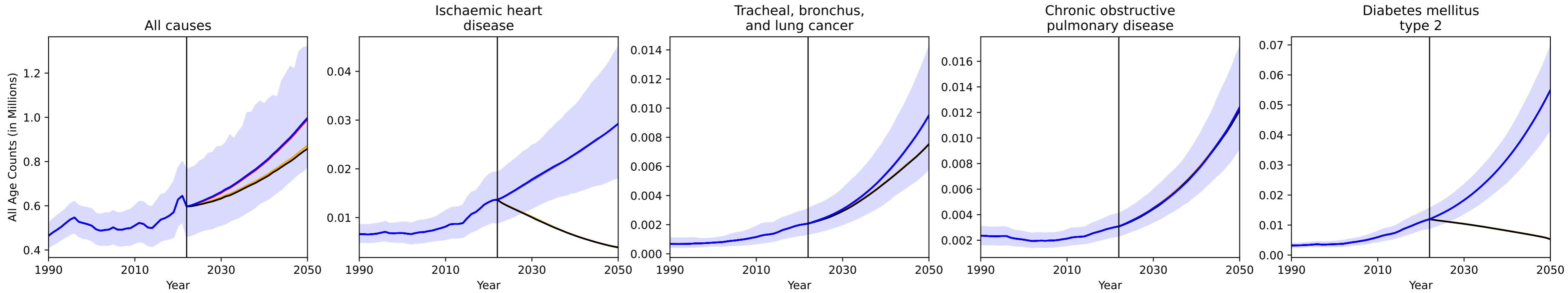
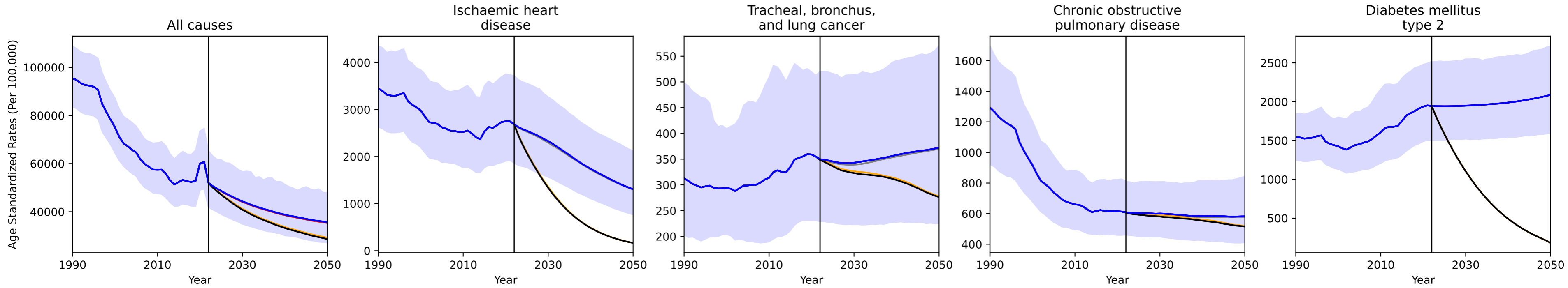
# Congo (Brazzaville)



# DR Congo

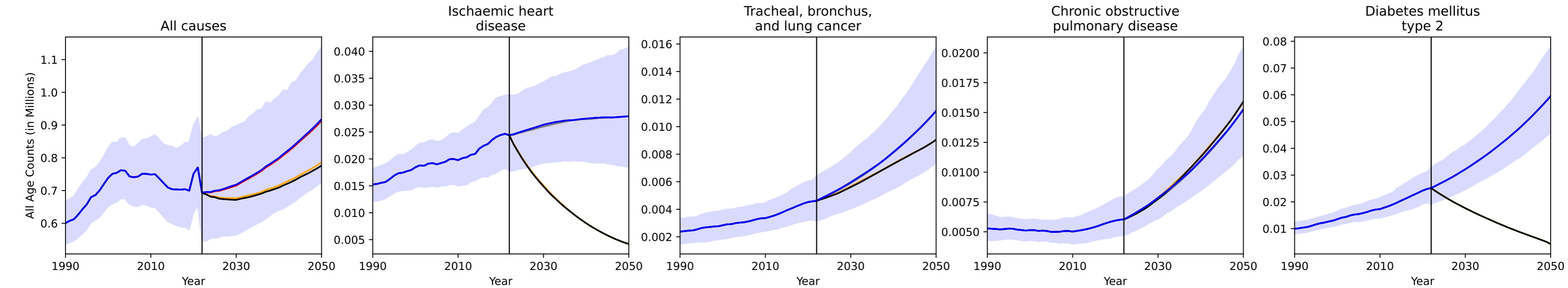
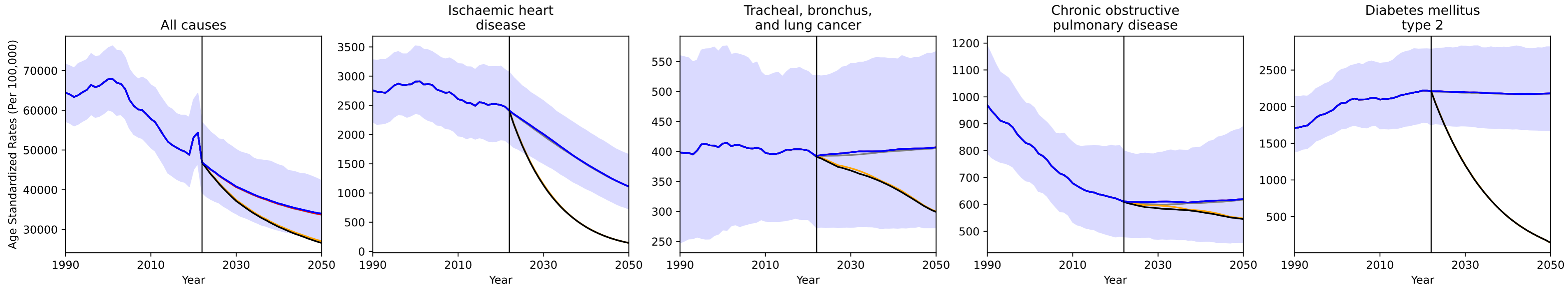


# Equatorial Guinea



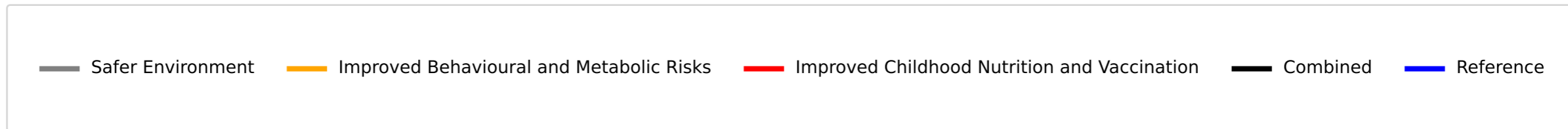
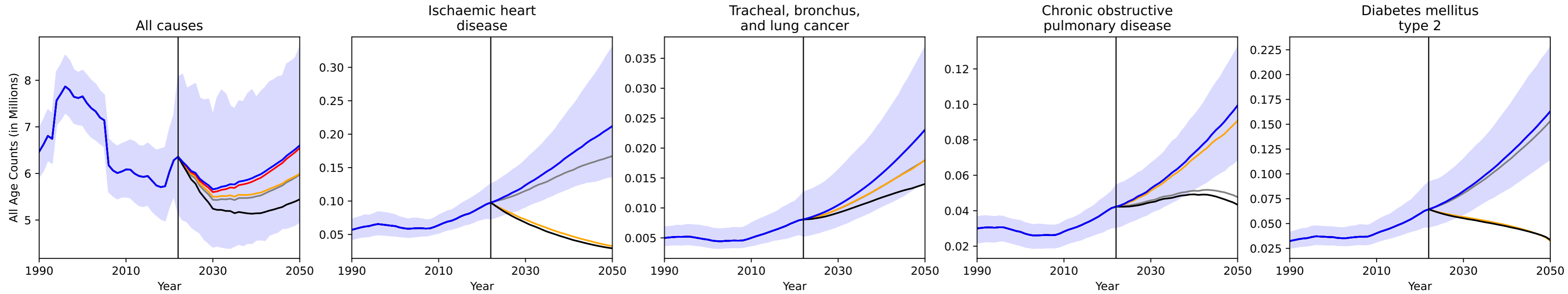
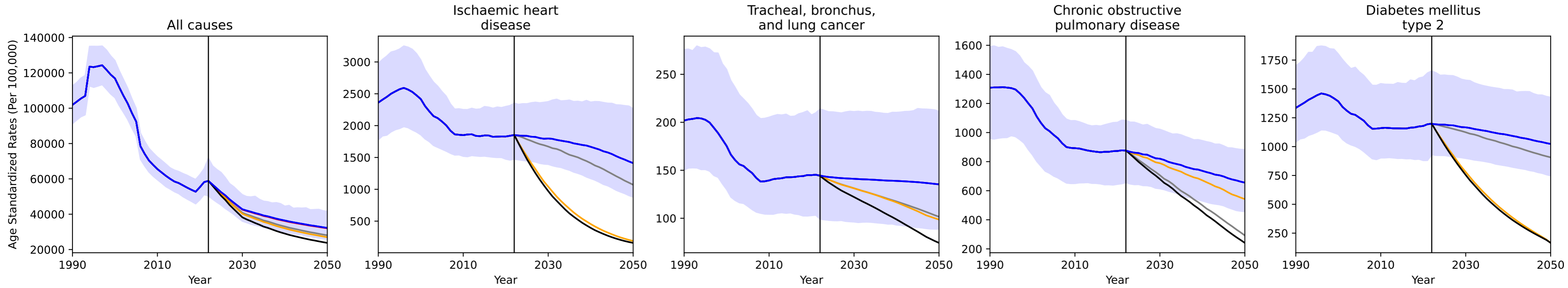


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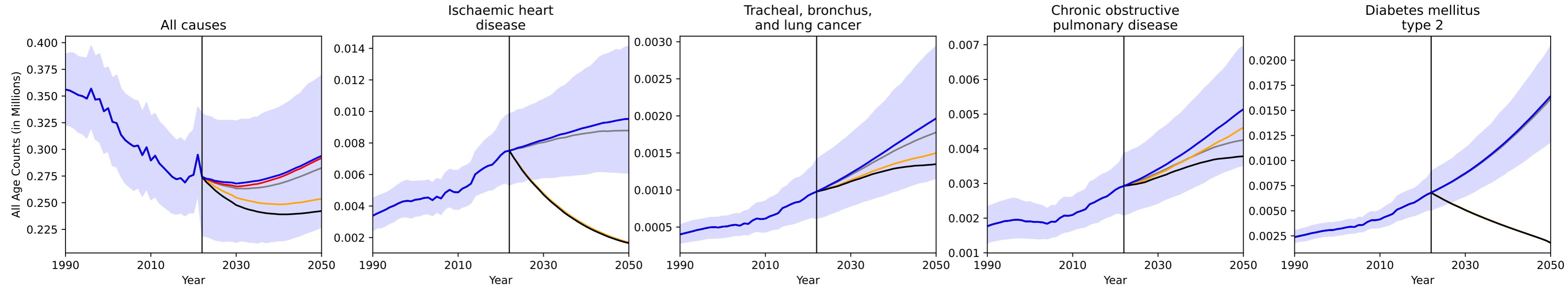
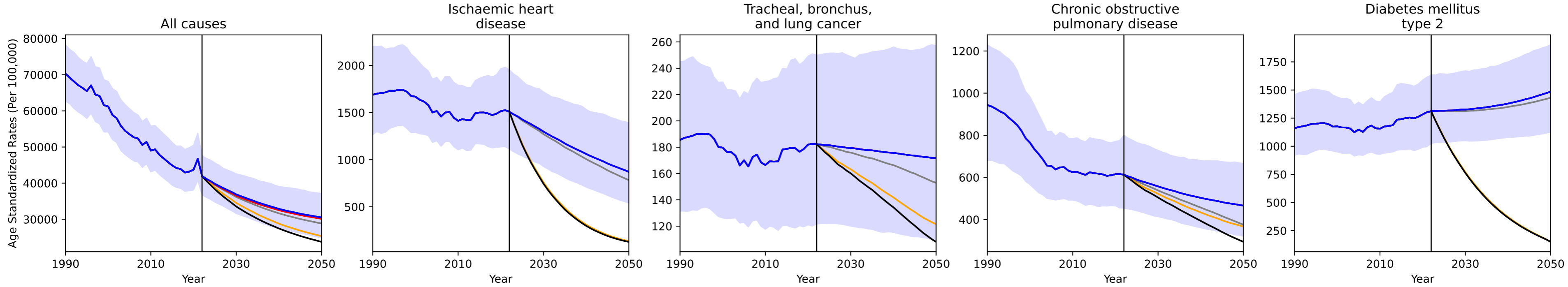


# Burundi

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

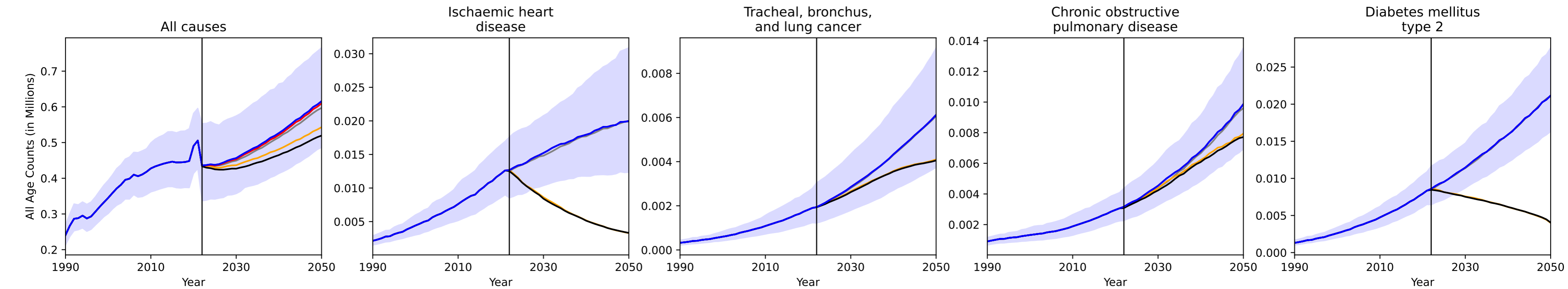
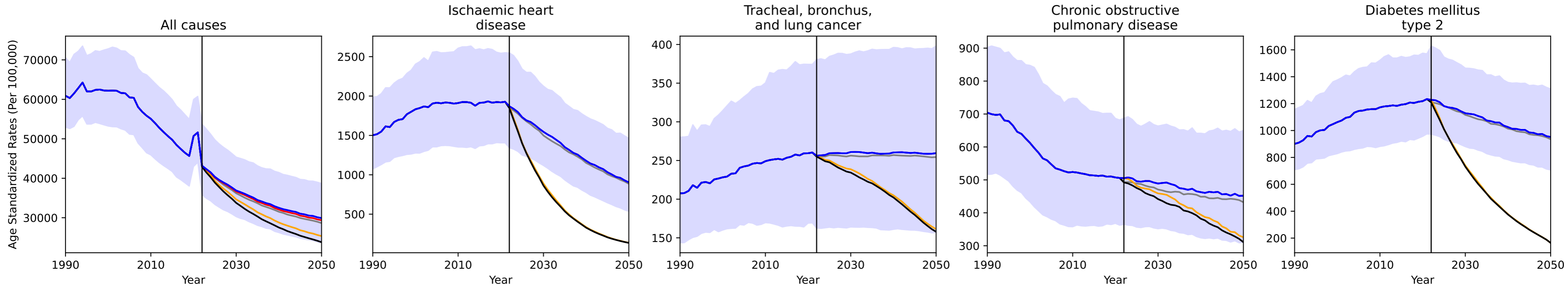


# Comoros

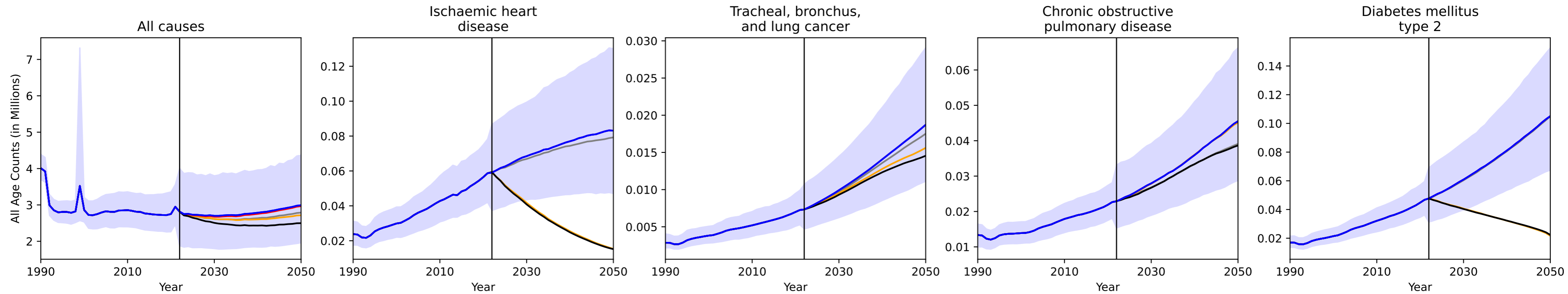
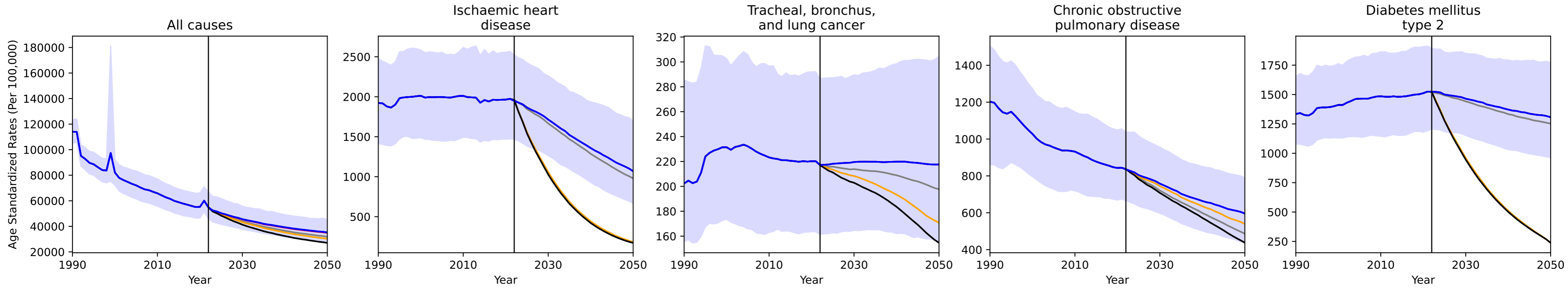


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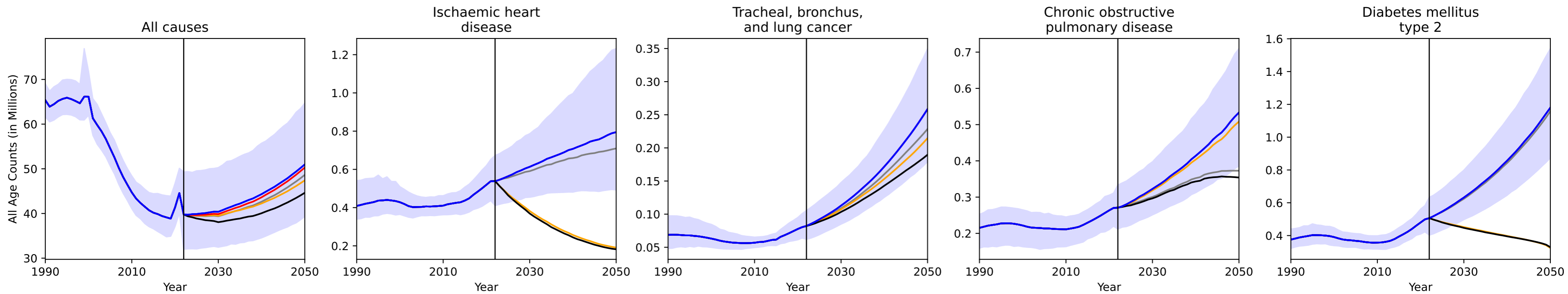
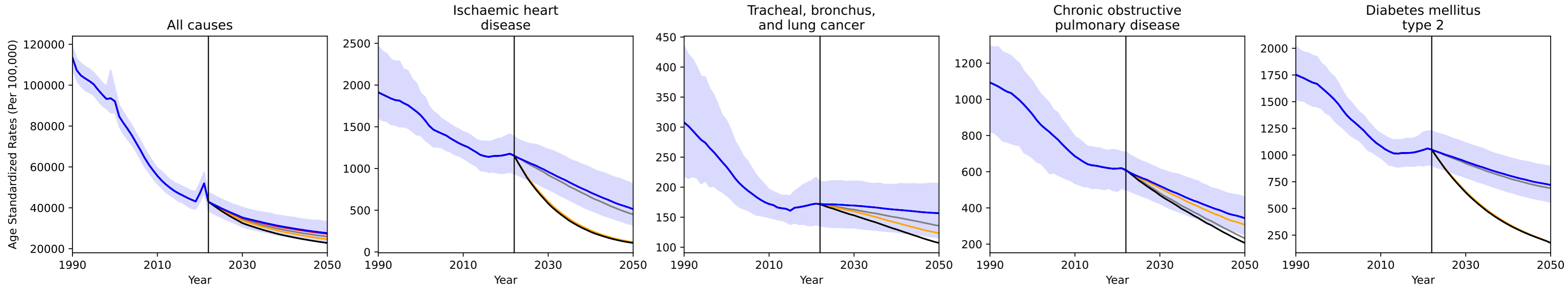
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



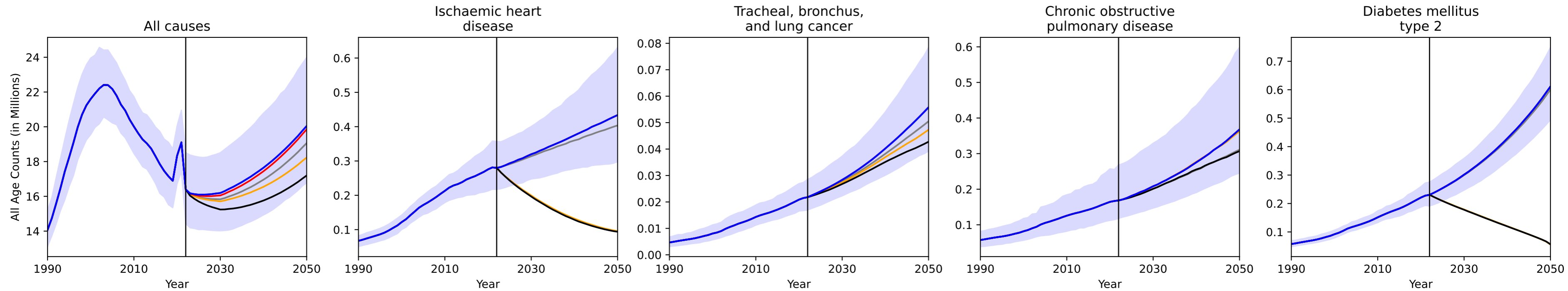
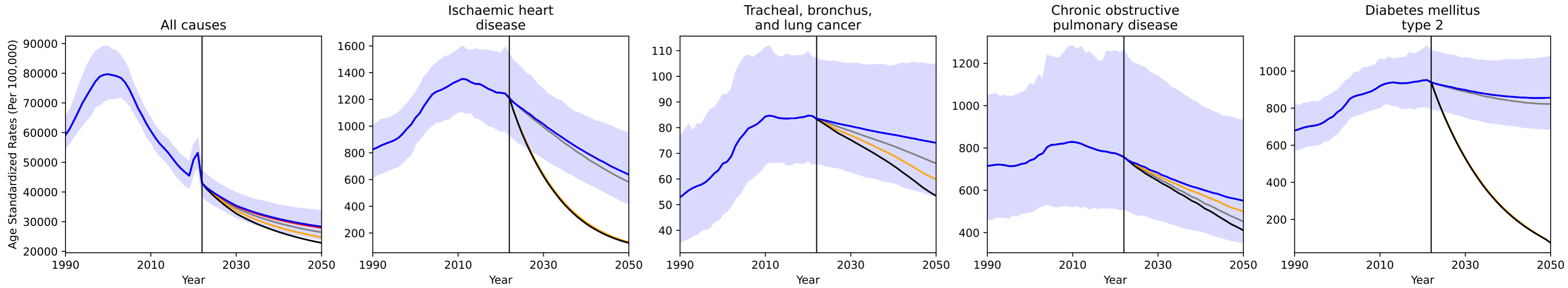
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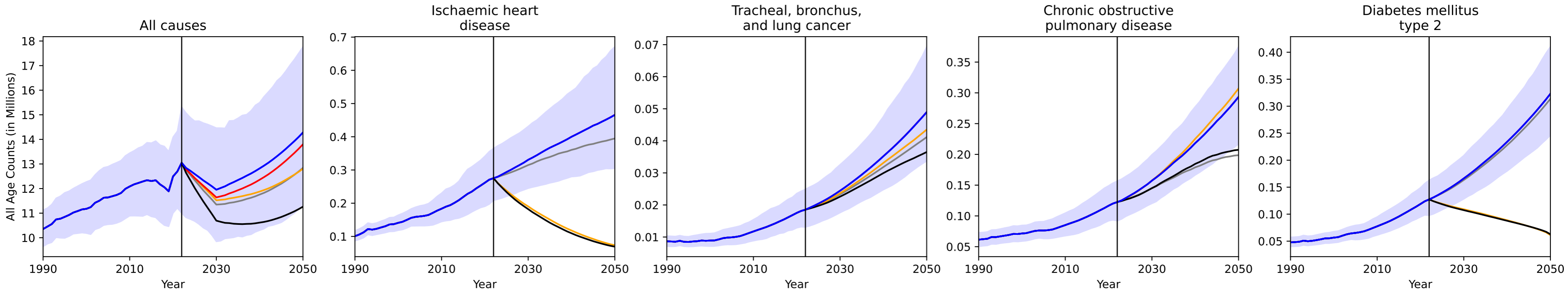
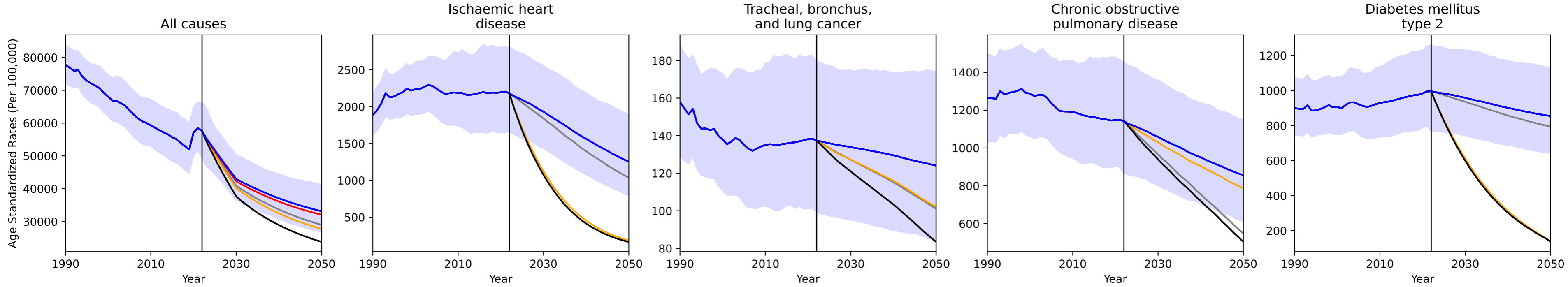
# Ethiopia



# Kenya

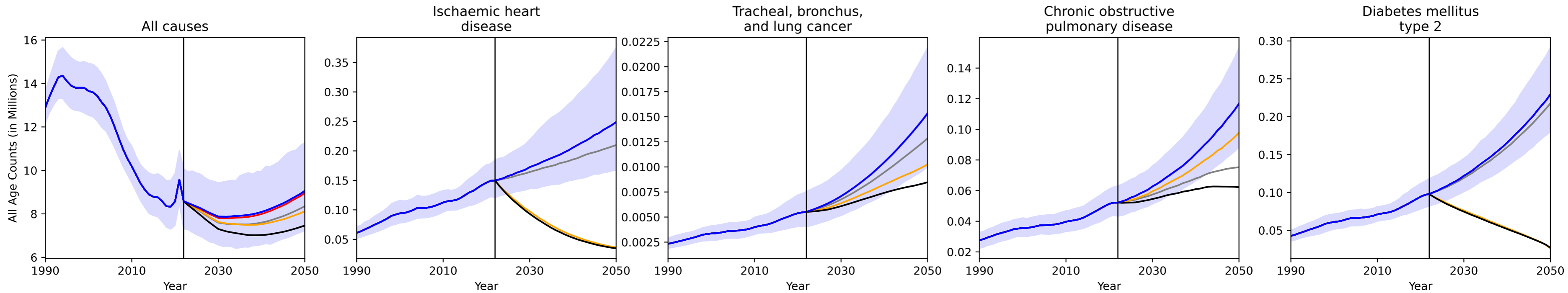
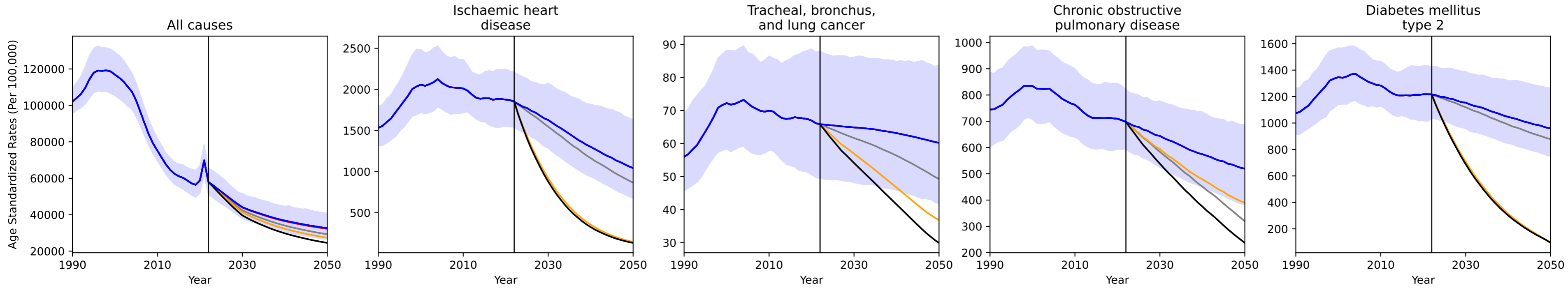


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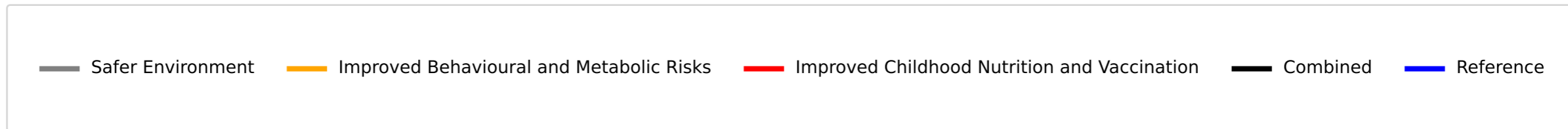
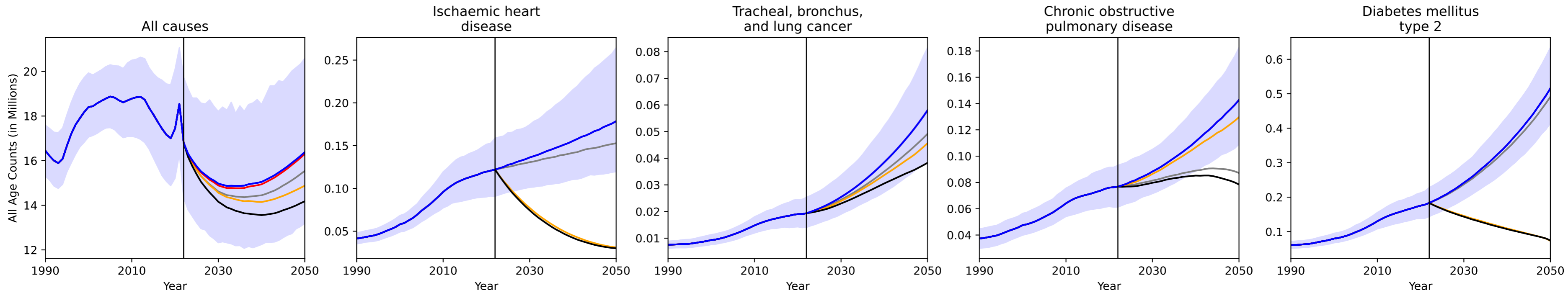
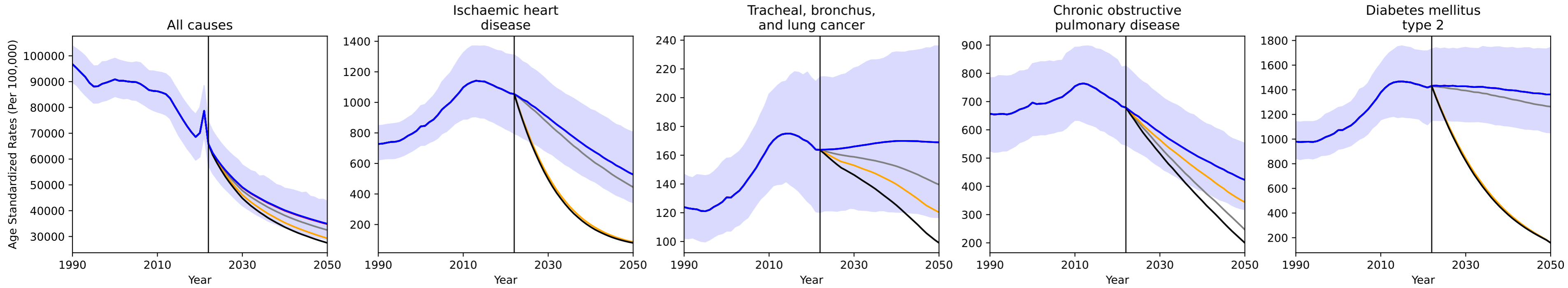




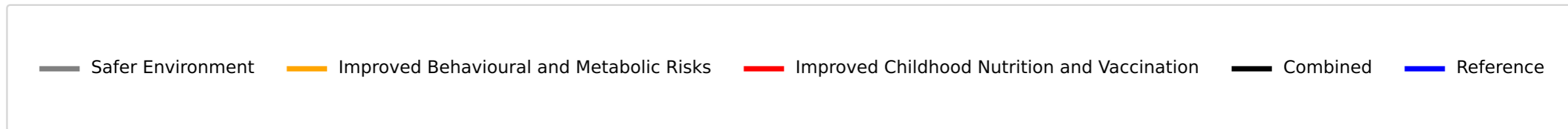
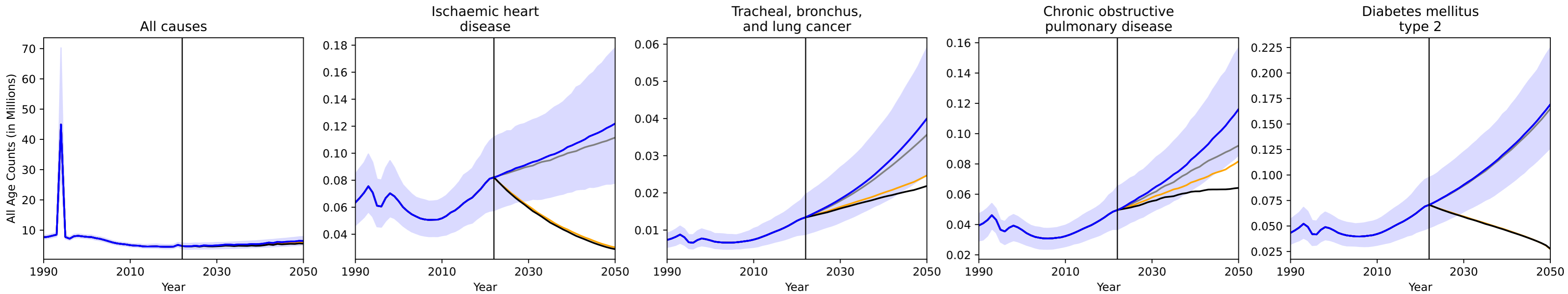
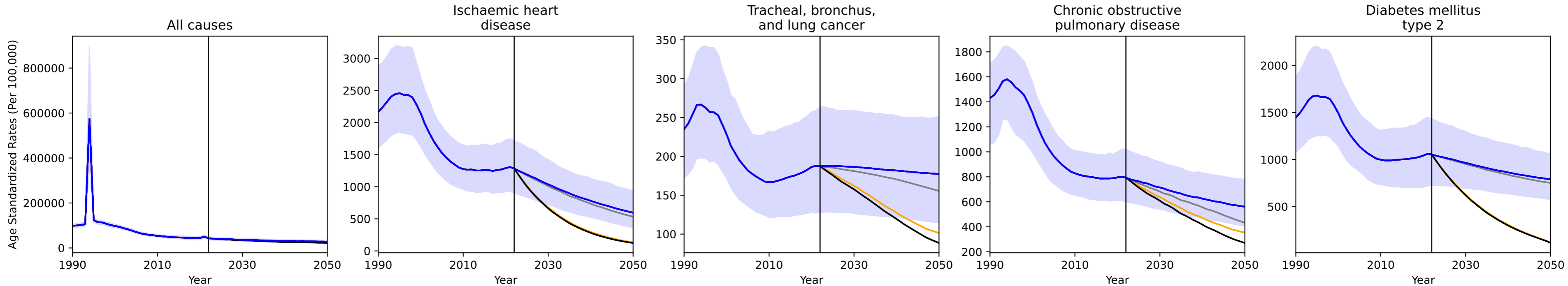
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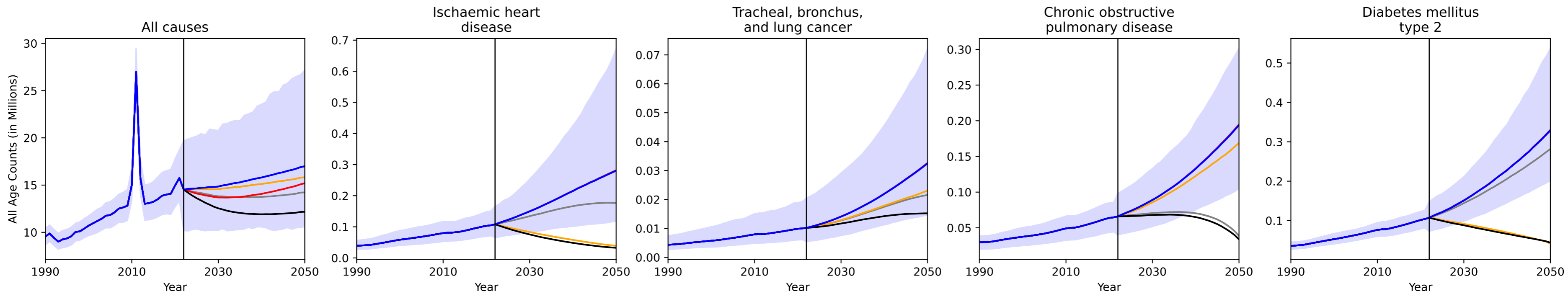
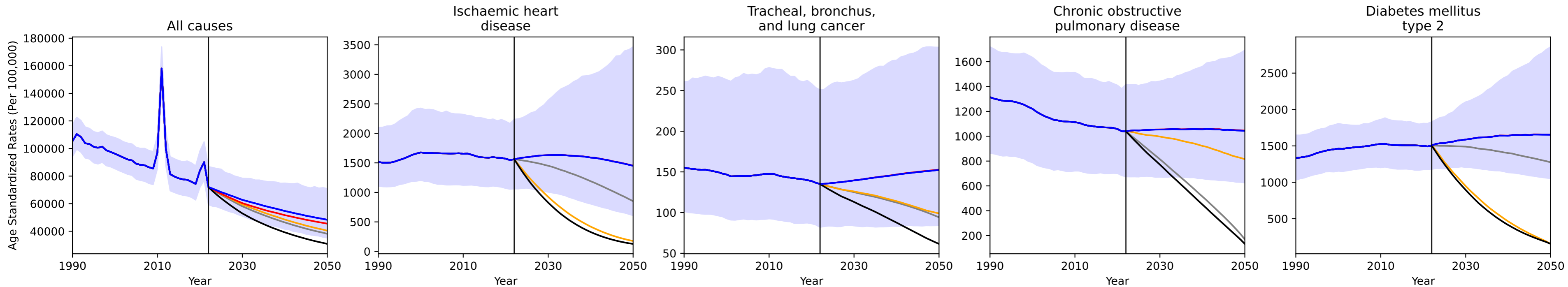
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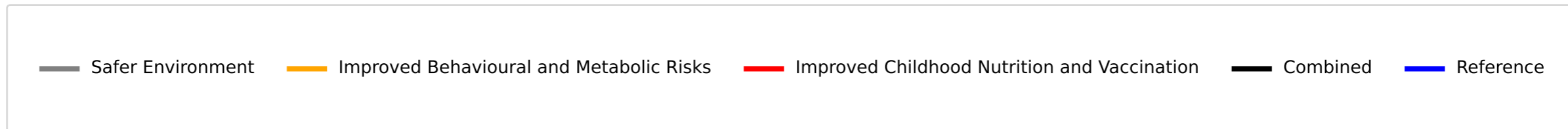
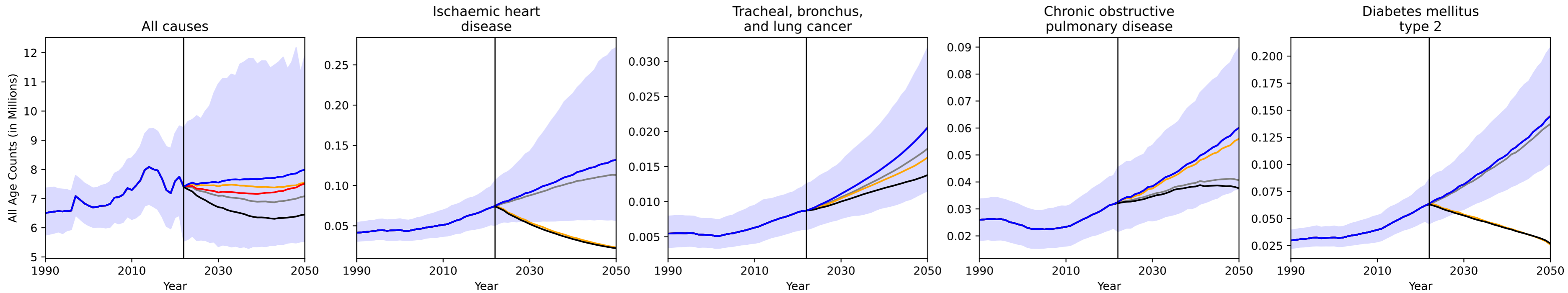
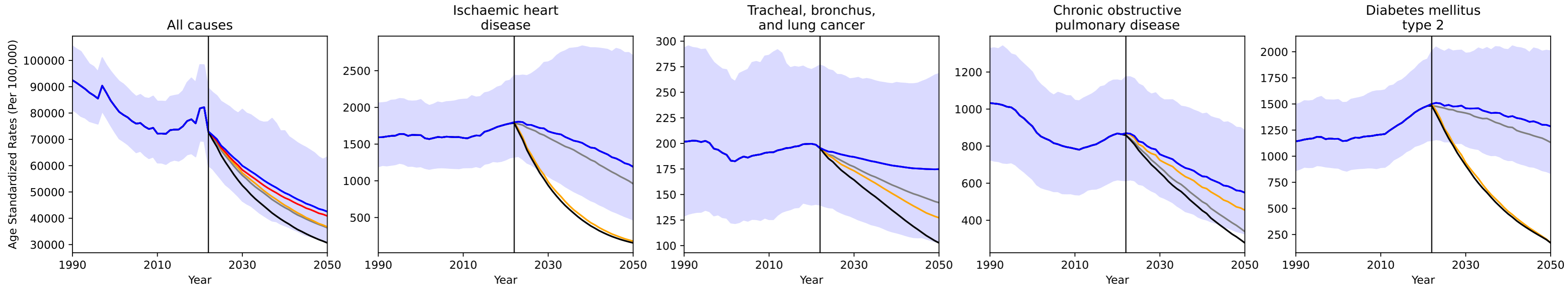
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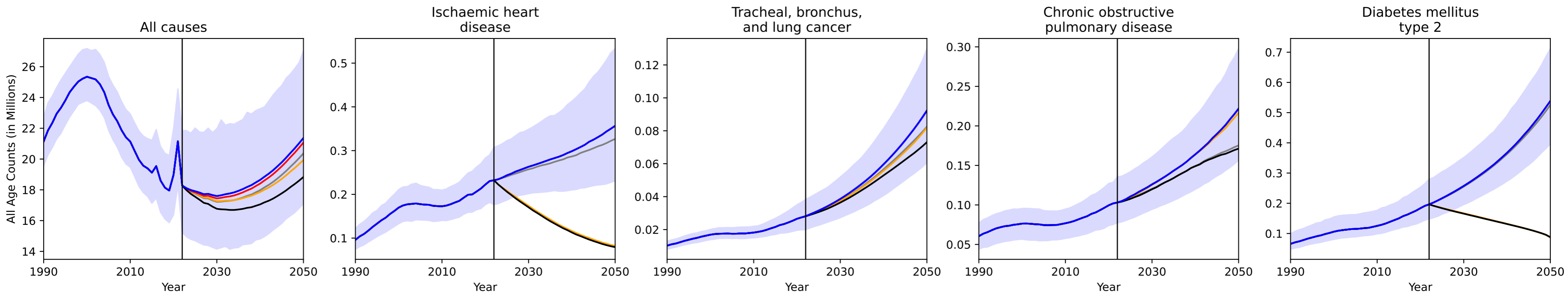
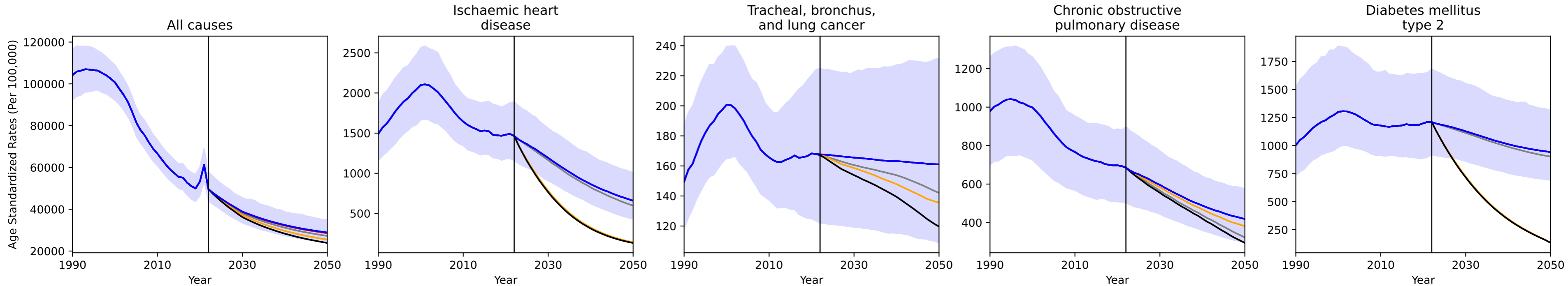
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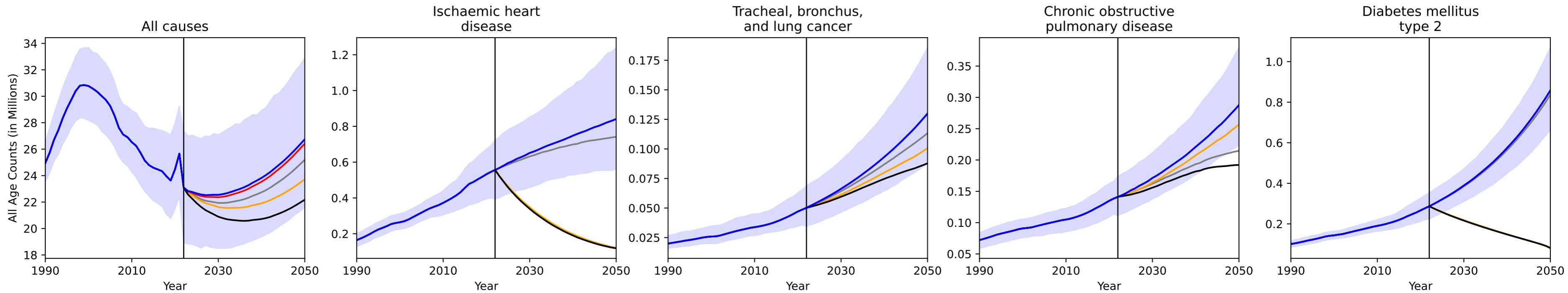
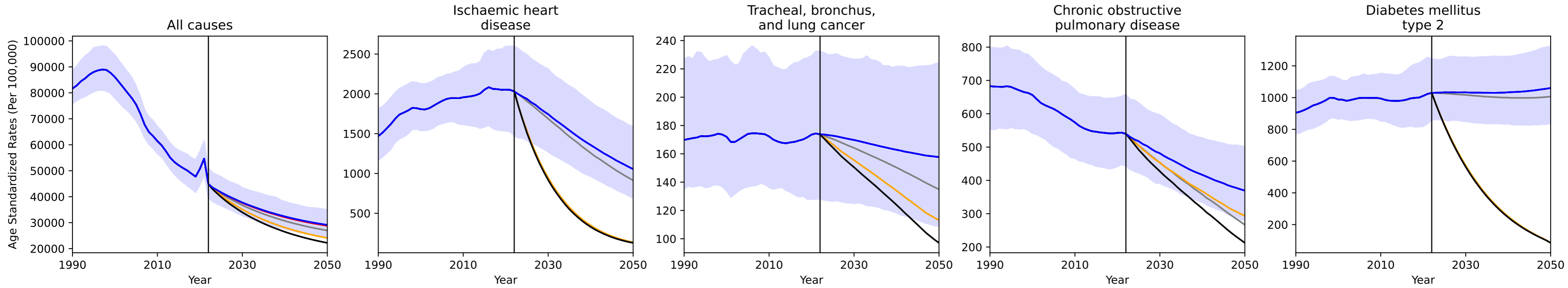
# South Sudan



# Uganda

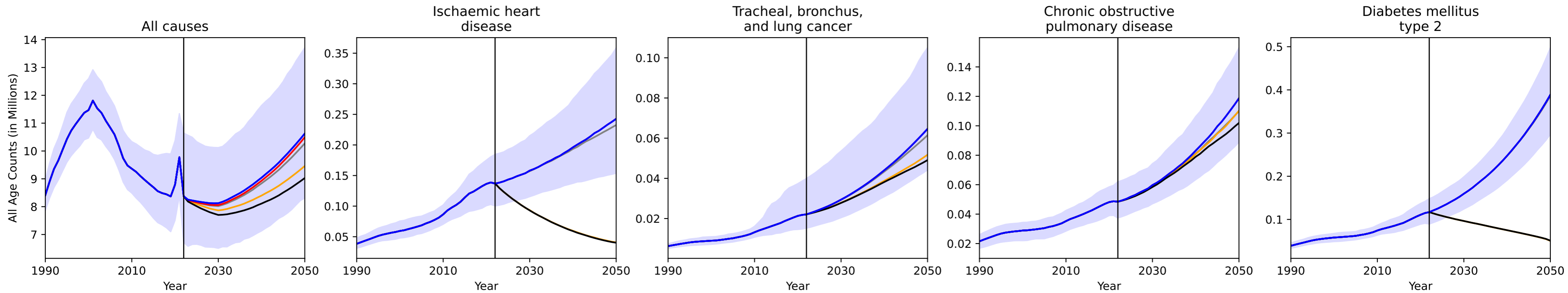
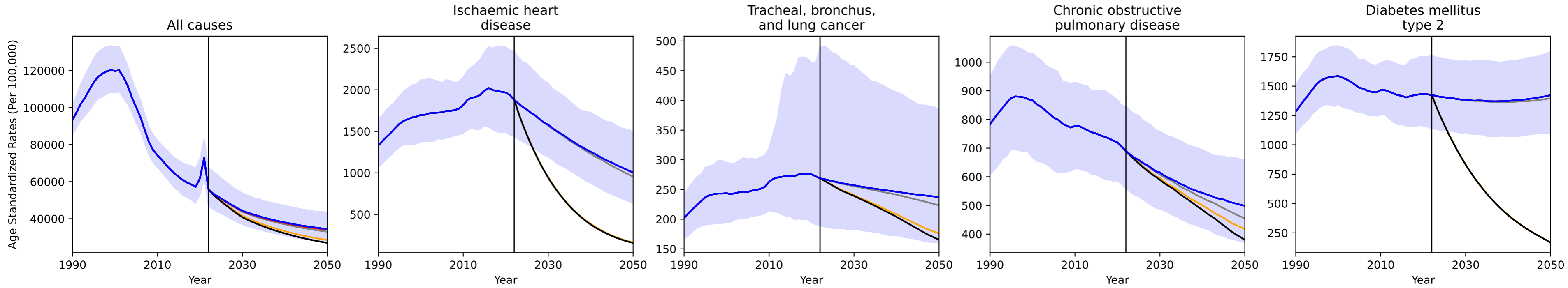


# Tanzania



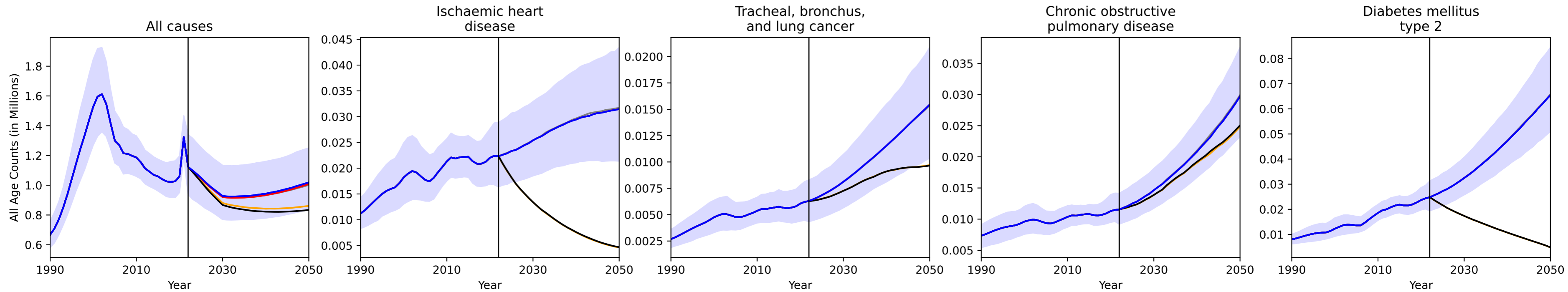
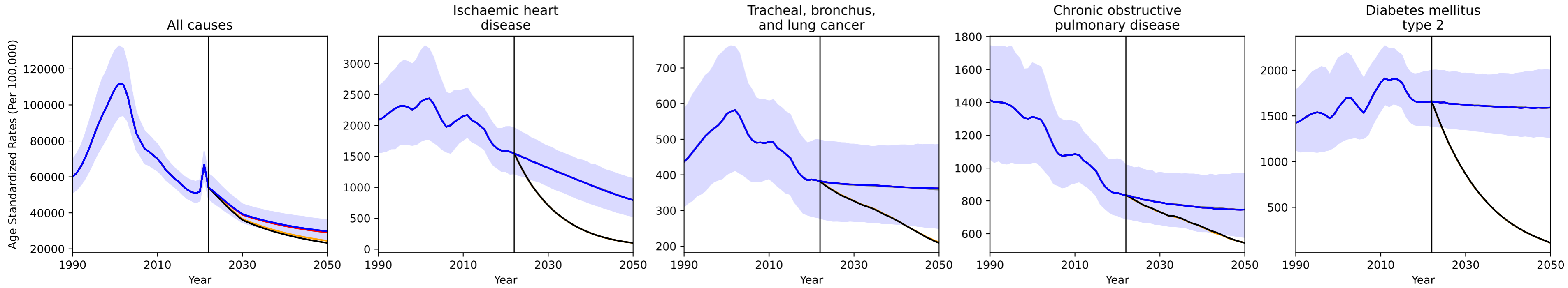
# Zambia

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

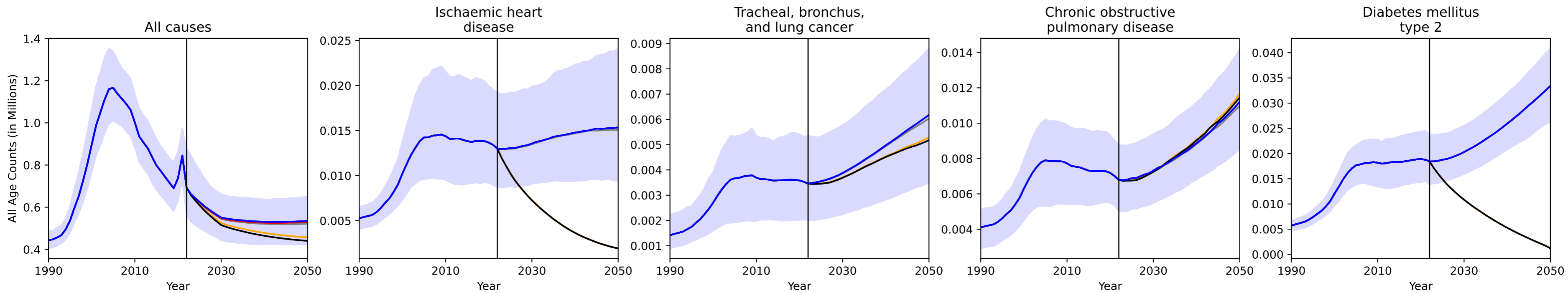
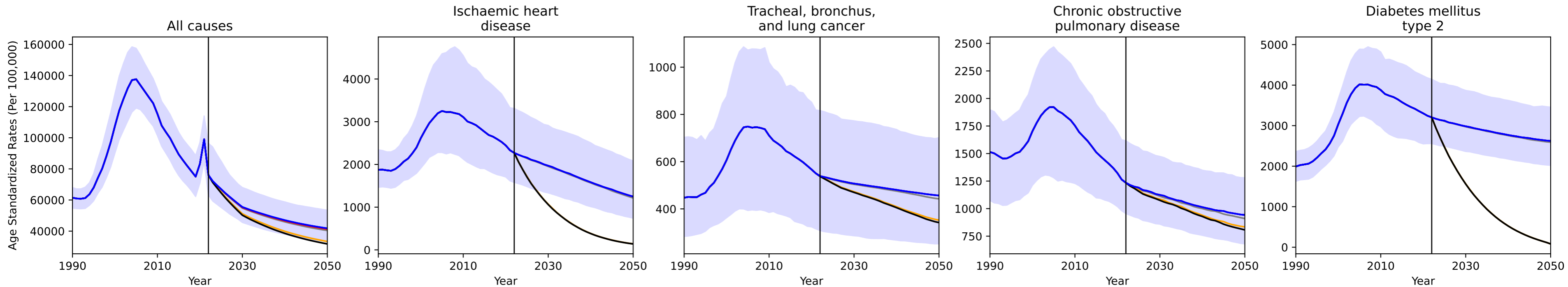




# Botswana

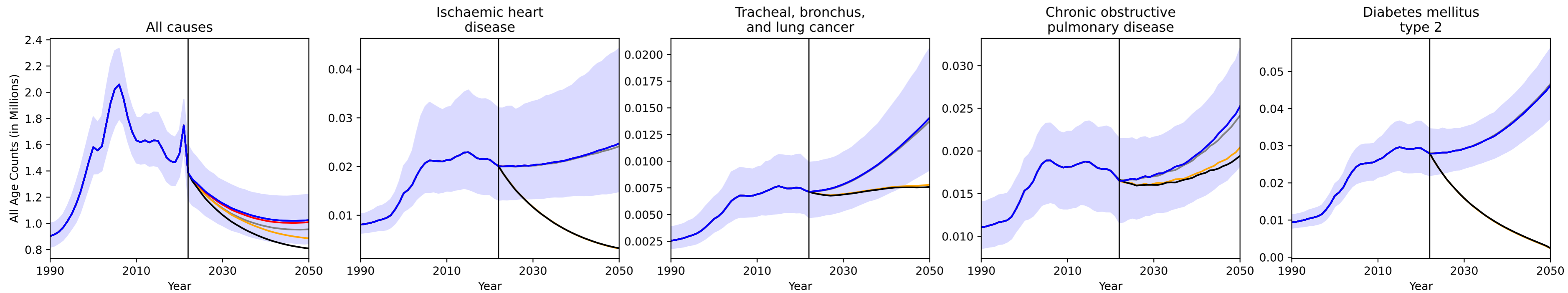
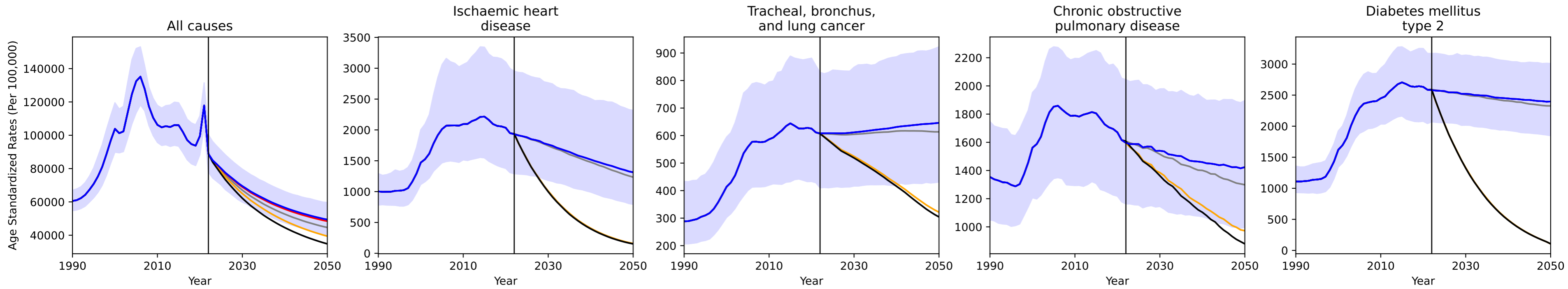


# Eswatini

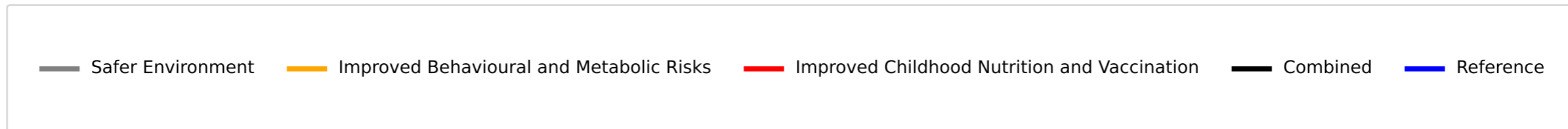
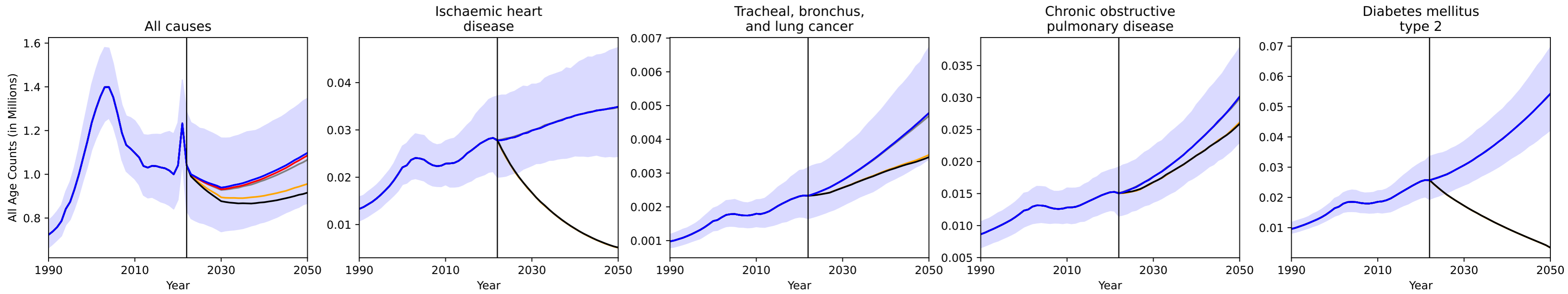
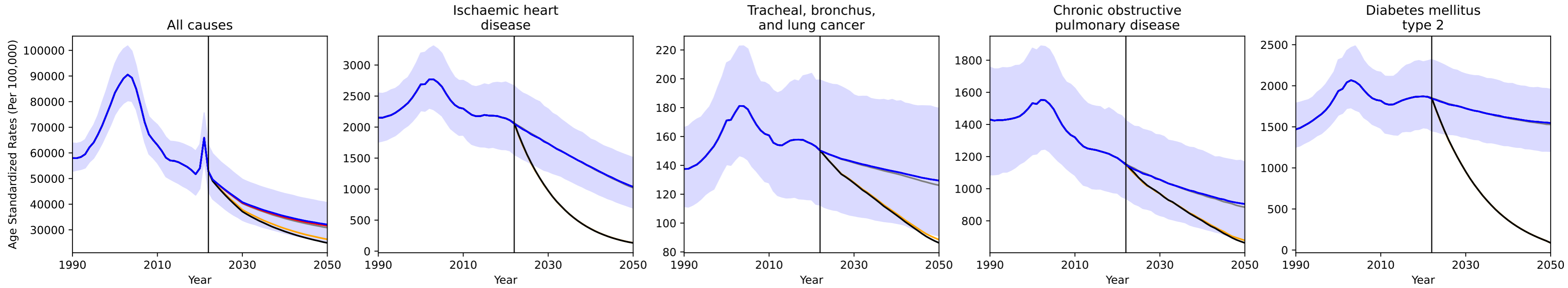


# Lesotho

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

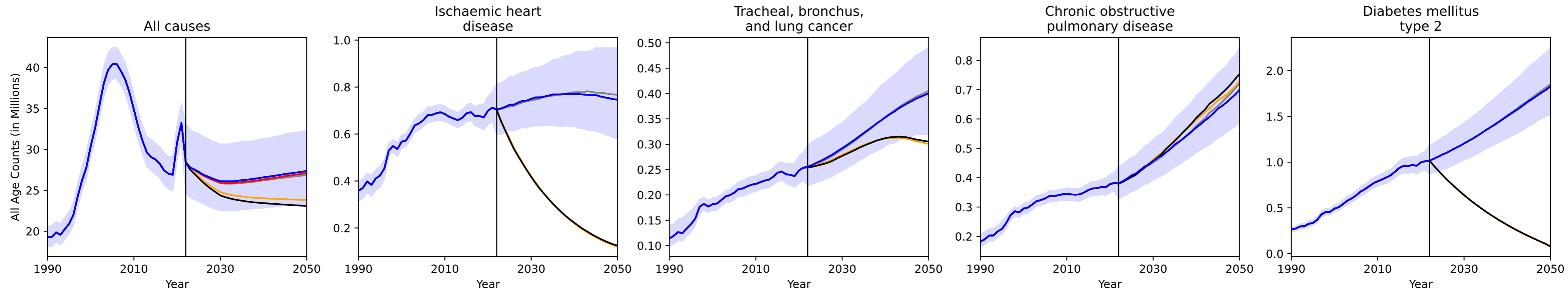
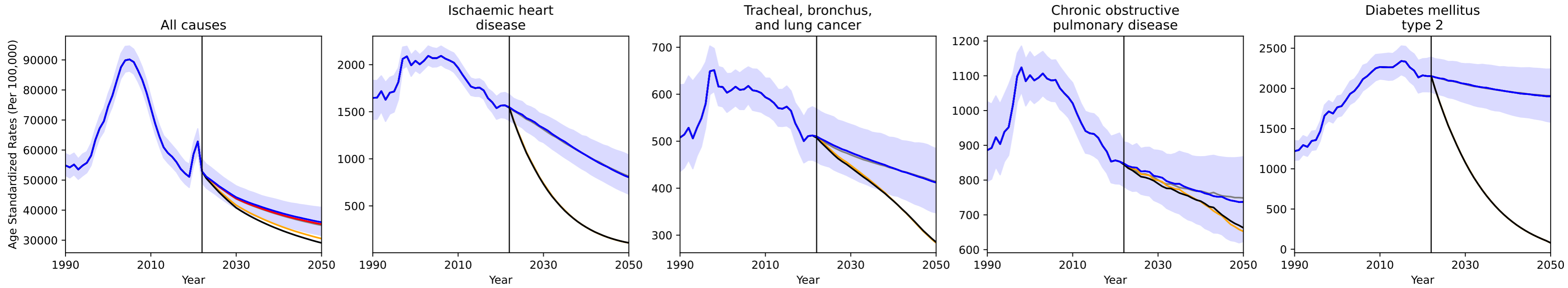


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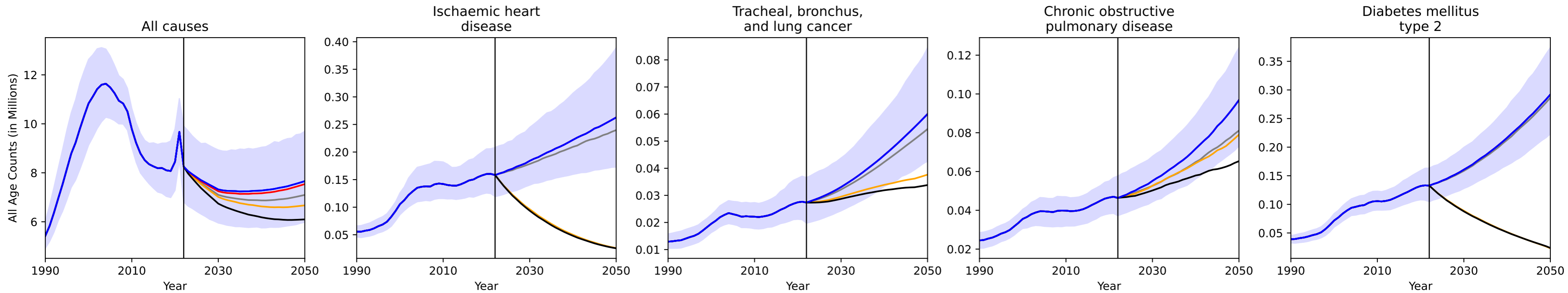
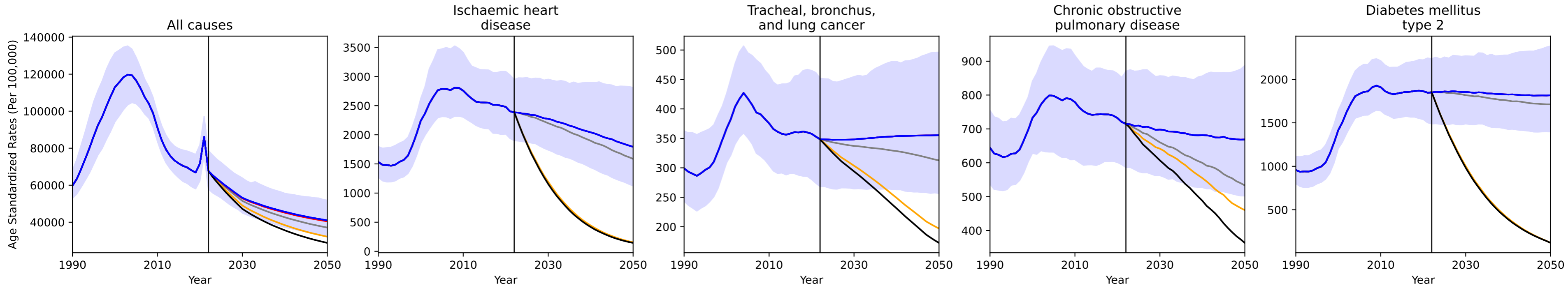


# South Africa

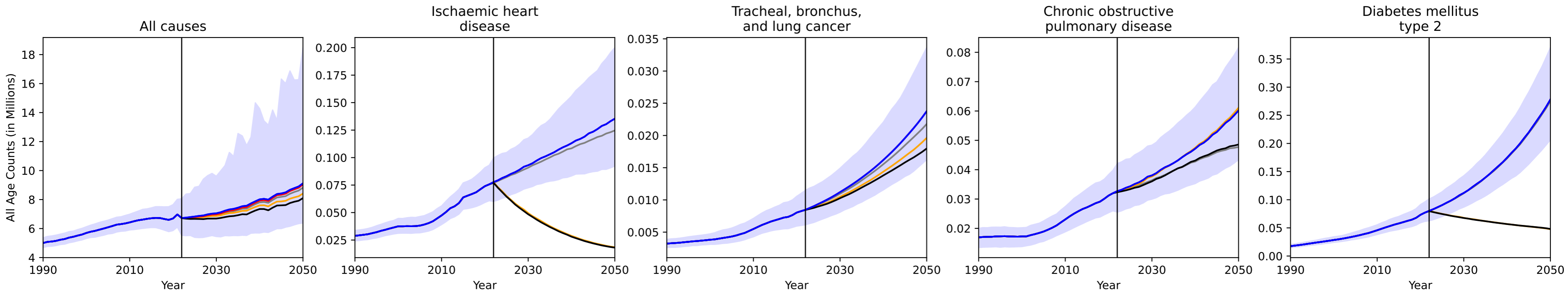
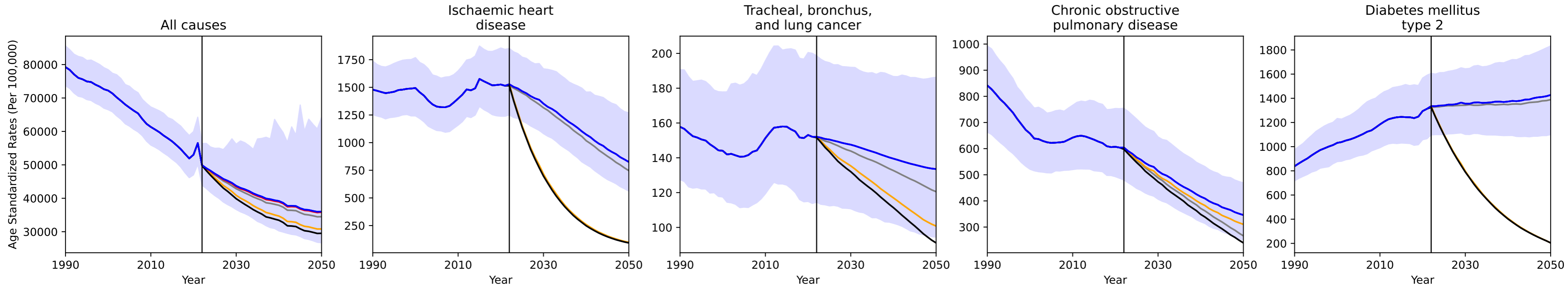
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



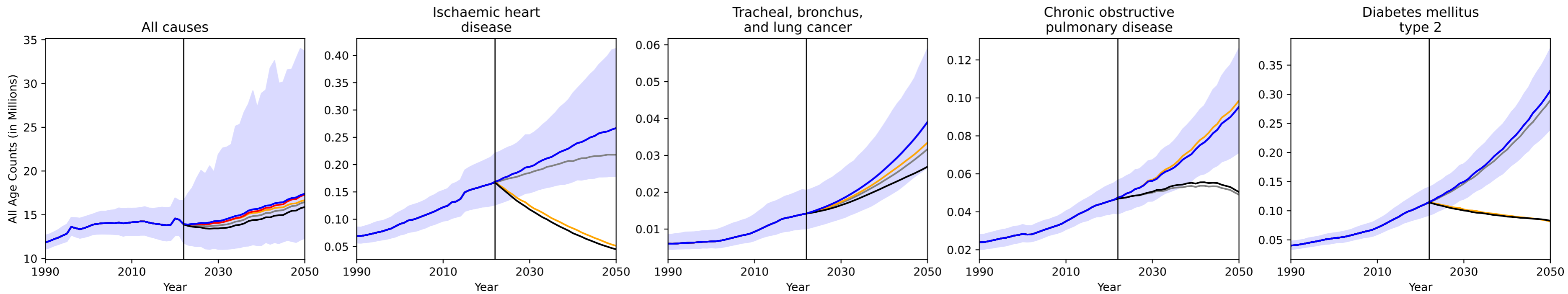
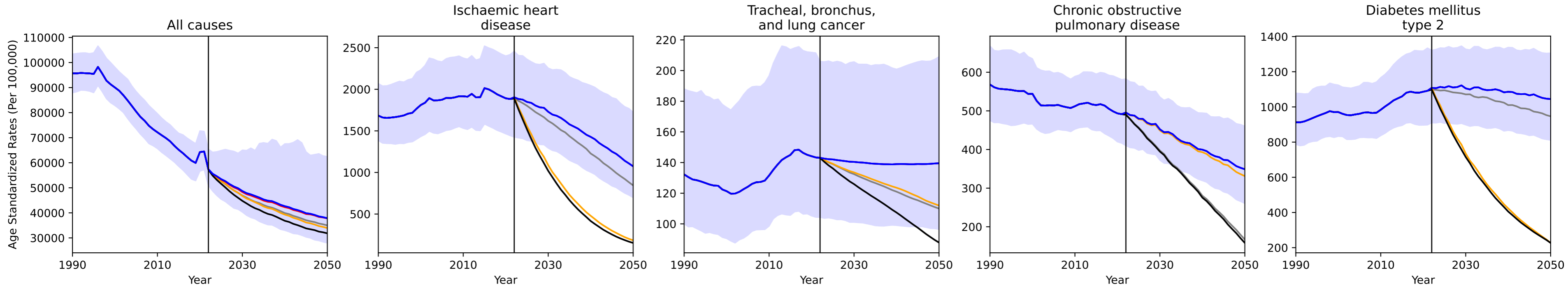
# Zimbabwe



# Benin

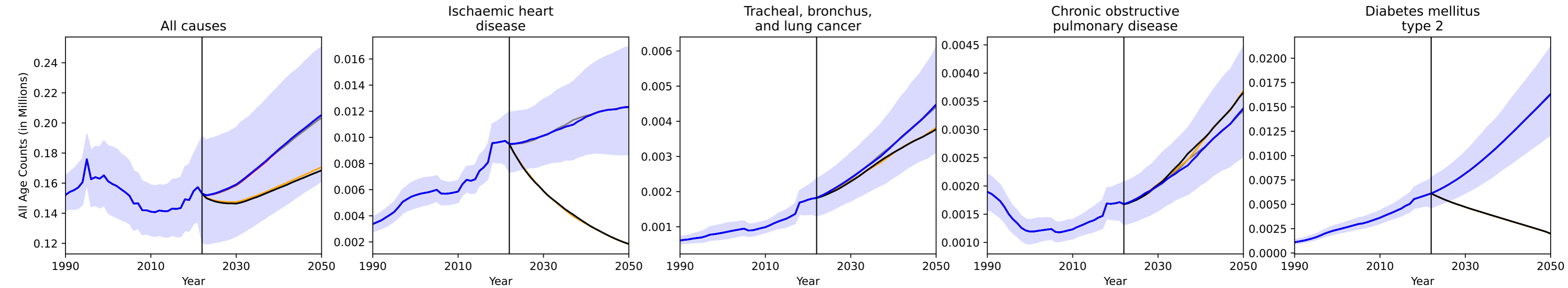
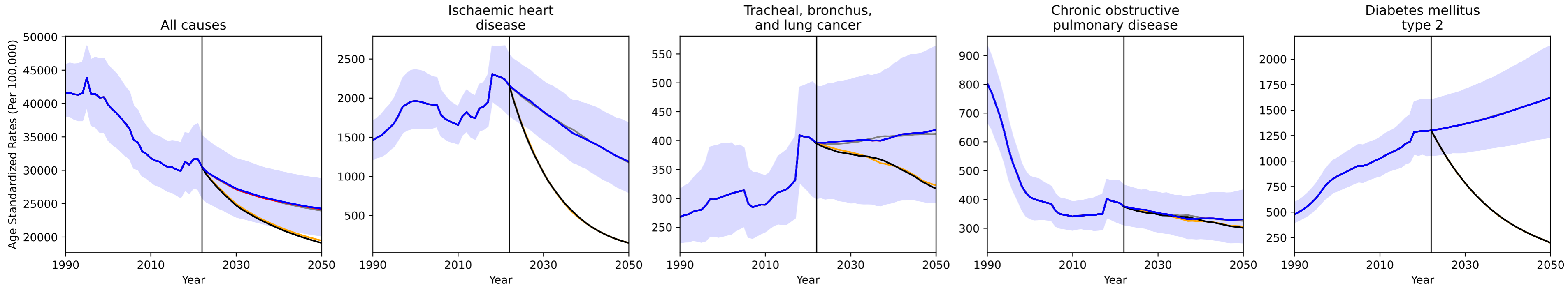


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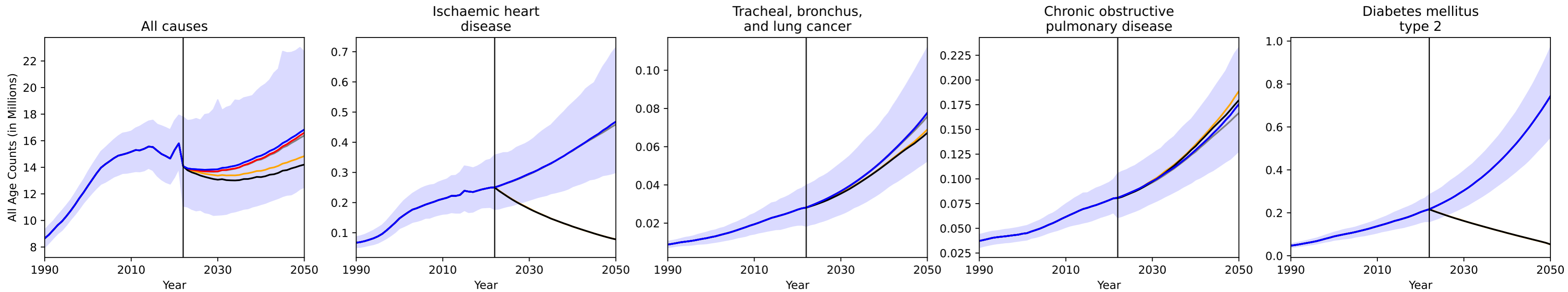
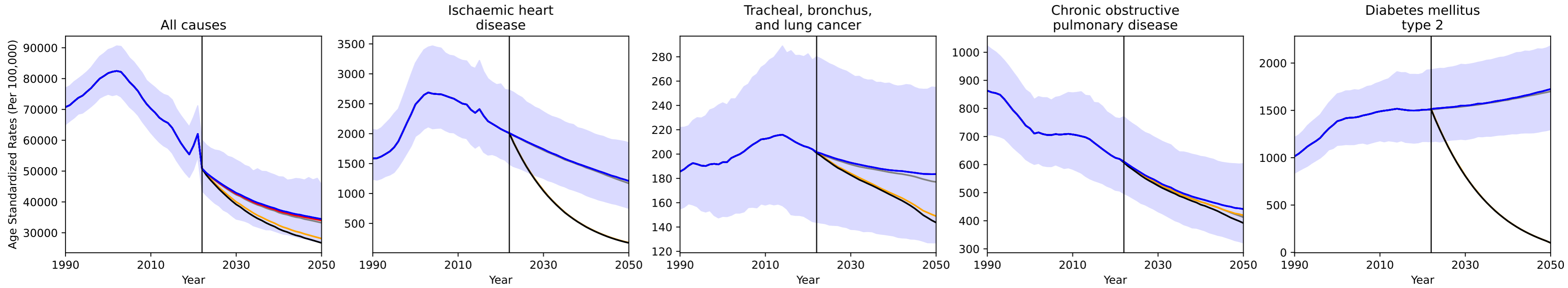




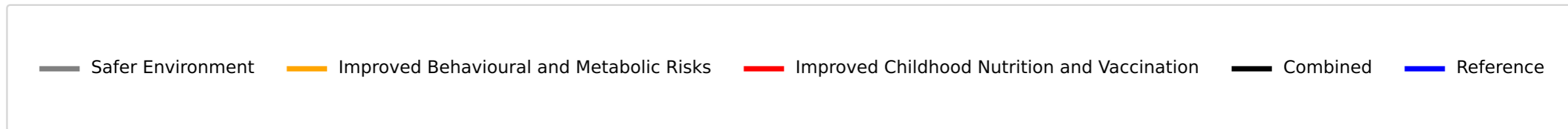
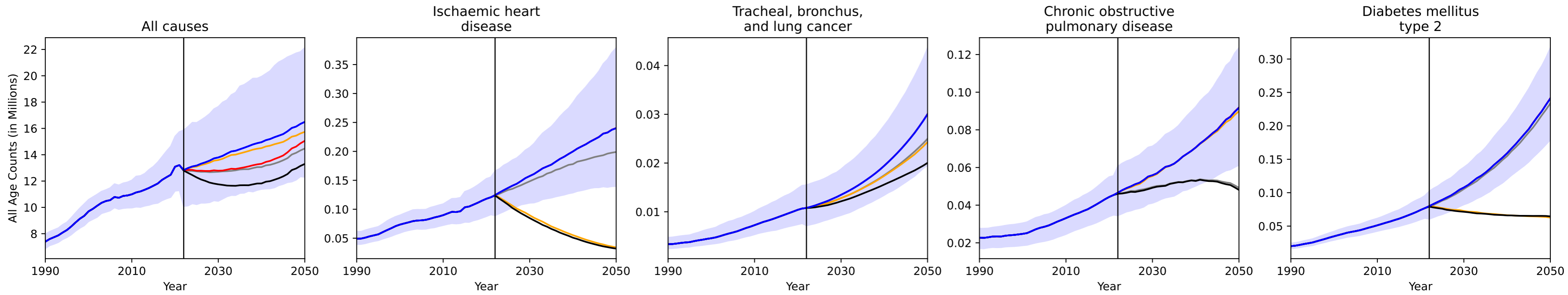
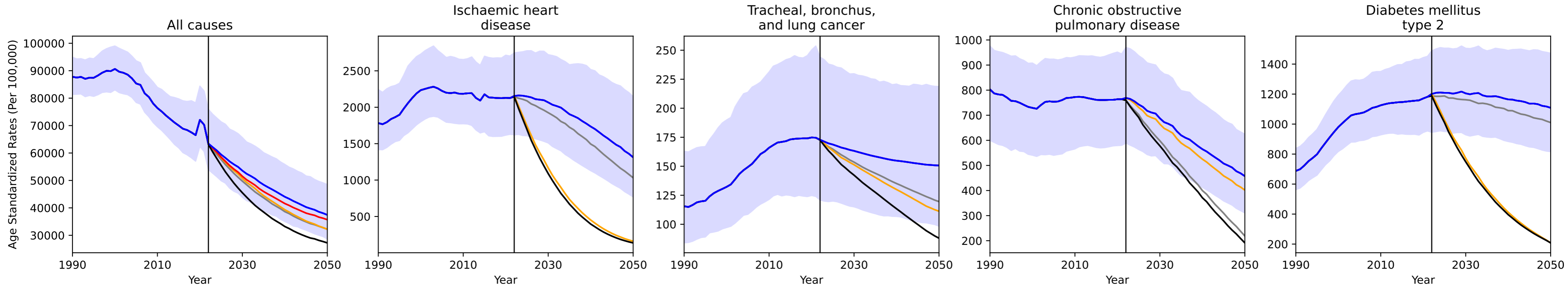
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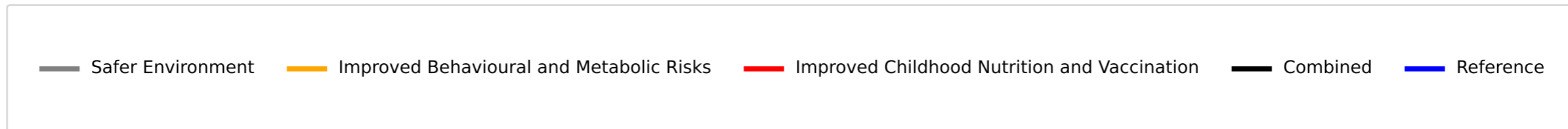
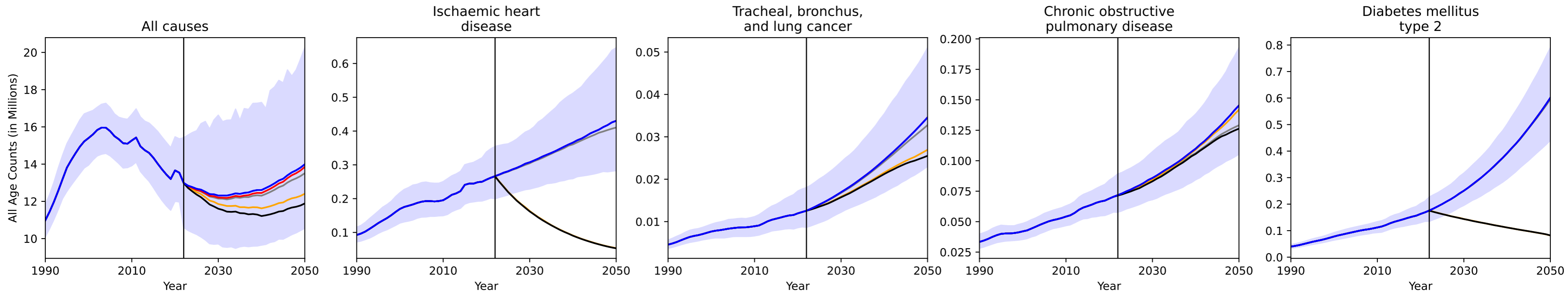
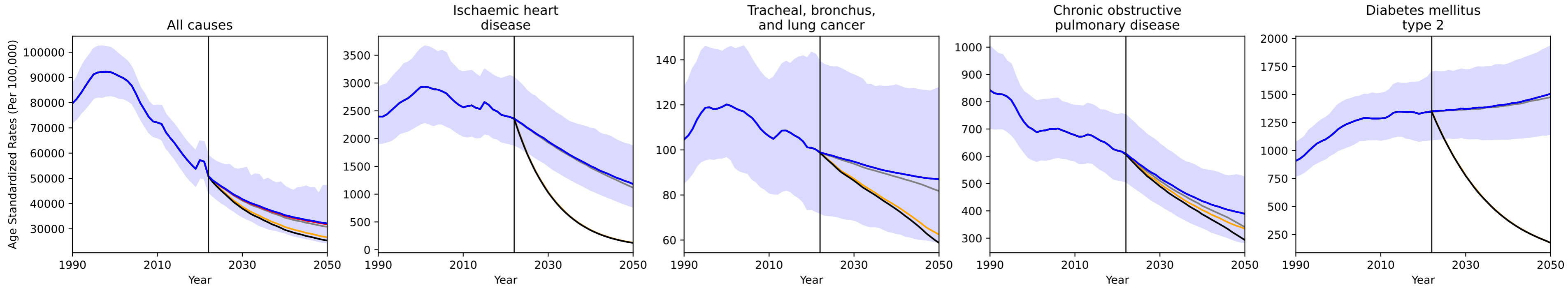
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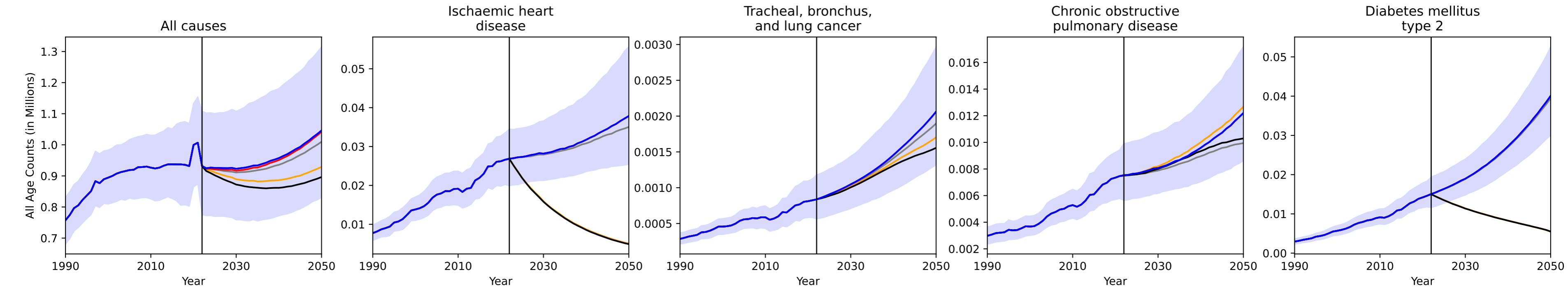
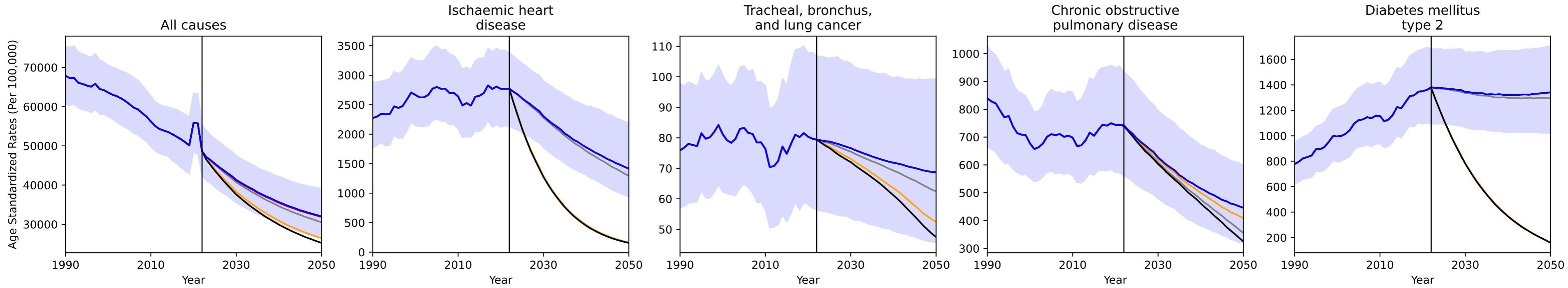
# Chad



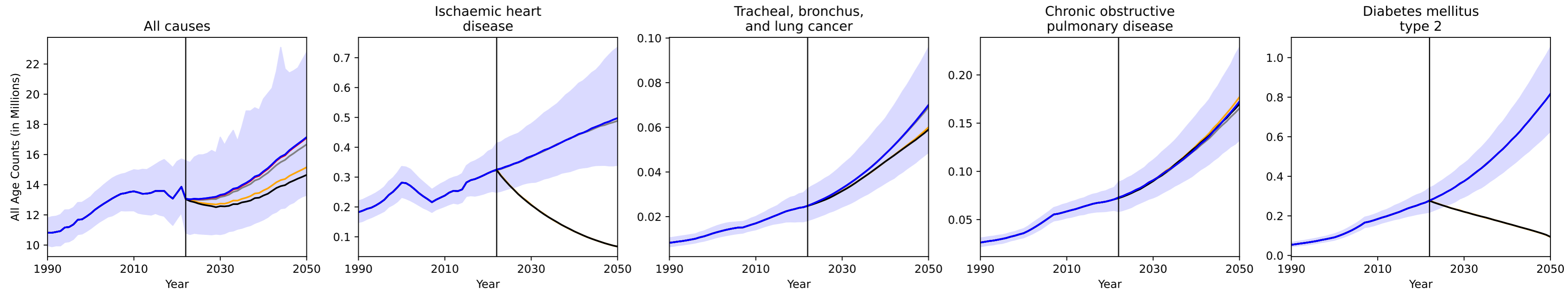
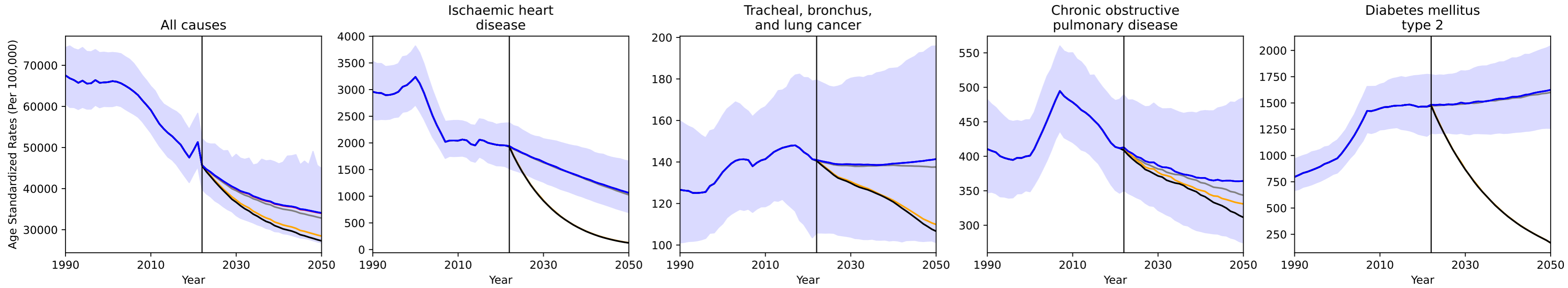
# Côte D'Ivoire



# The Gambia

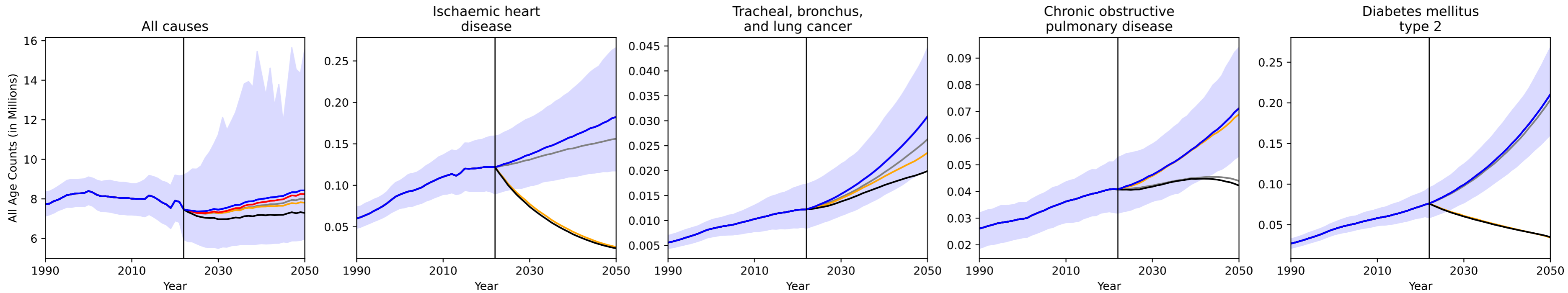
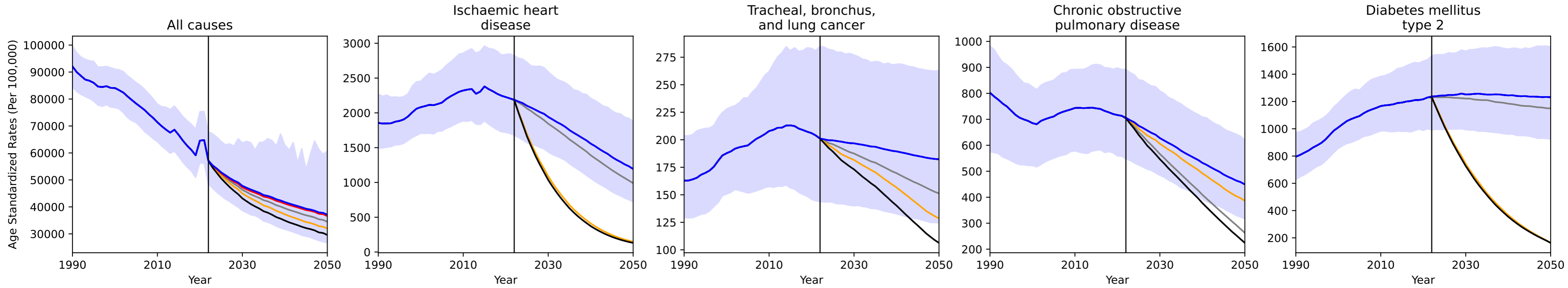


# Ghana

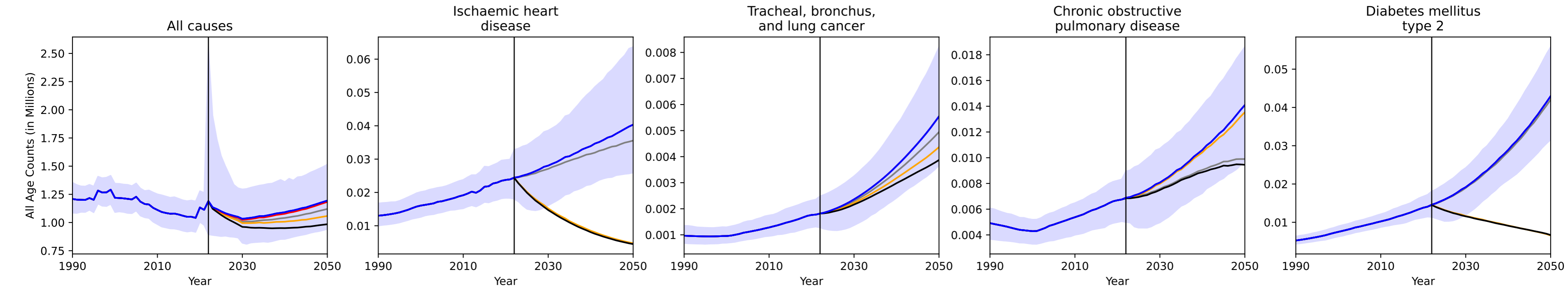
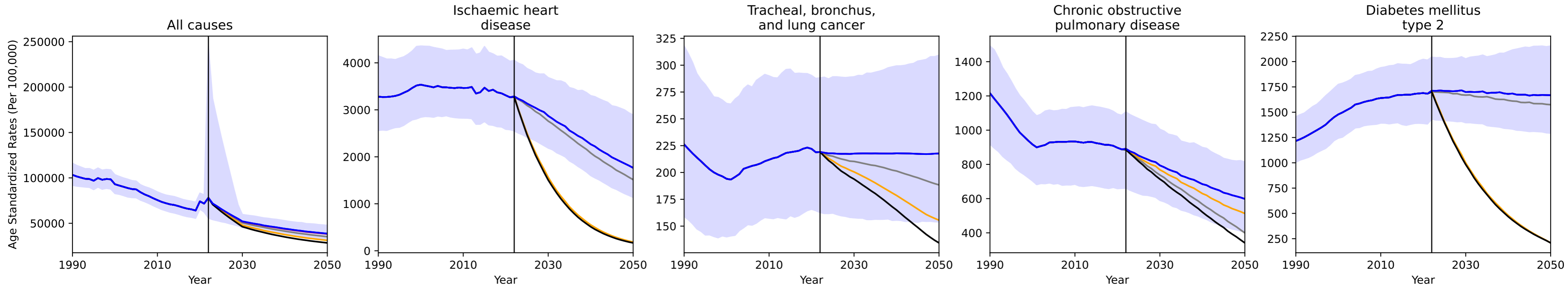


# Guinea

Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050

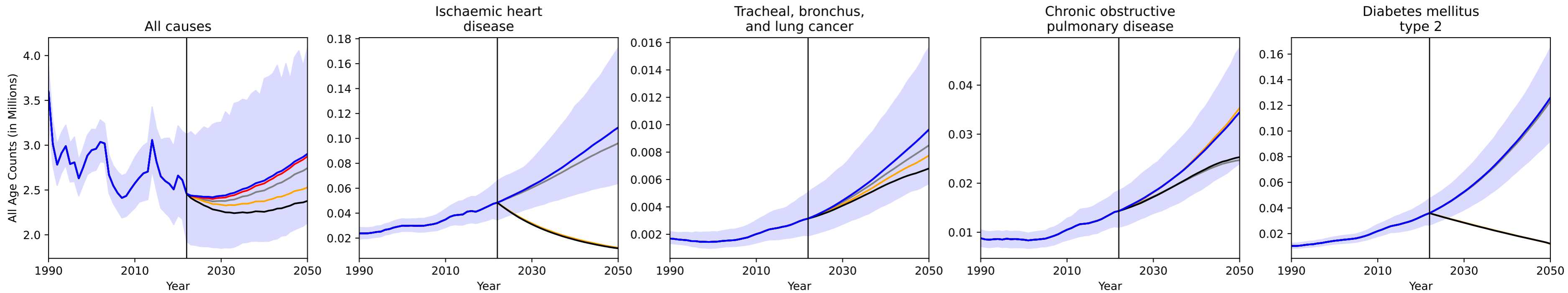
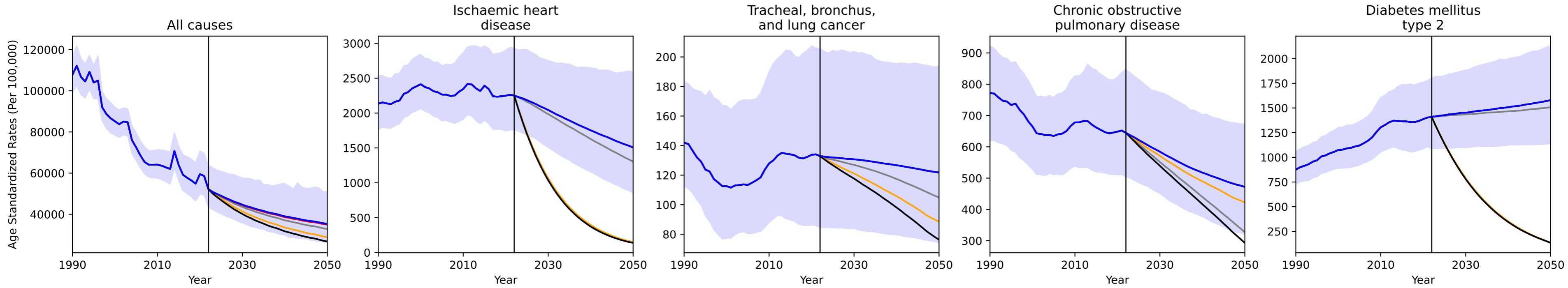


# Guinea-Bissau

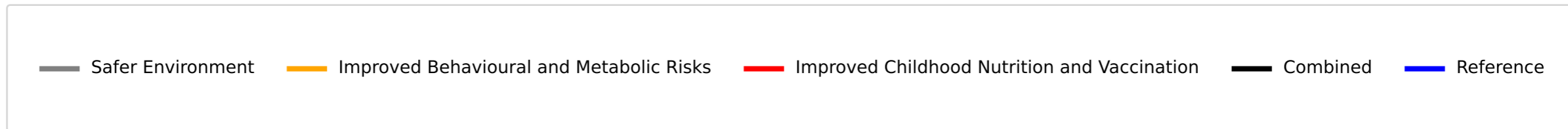
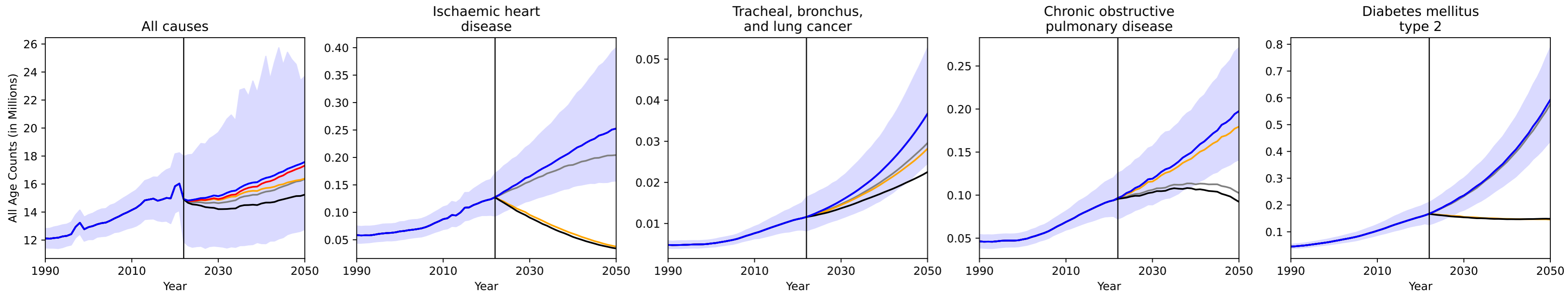
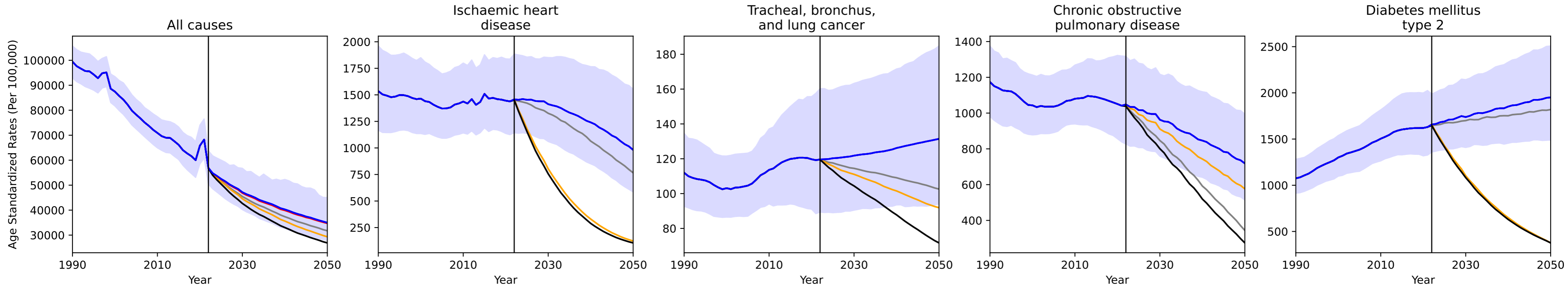




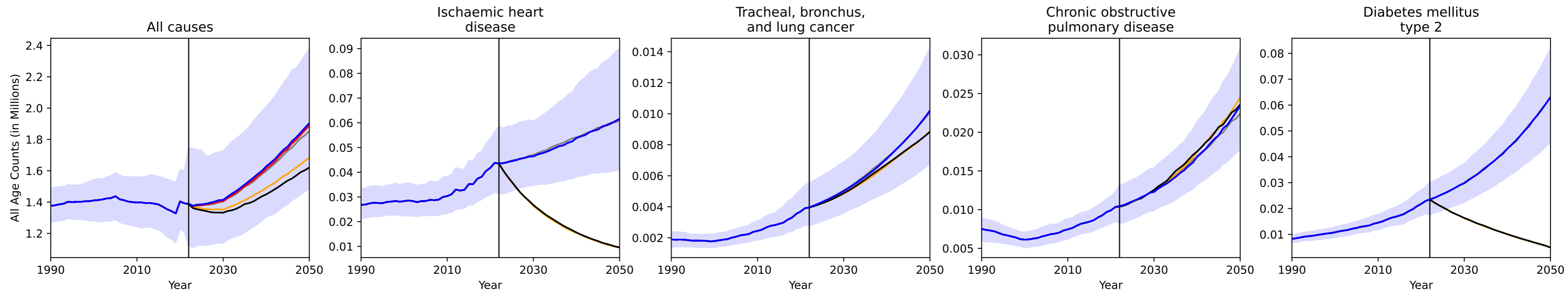
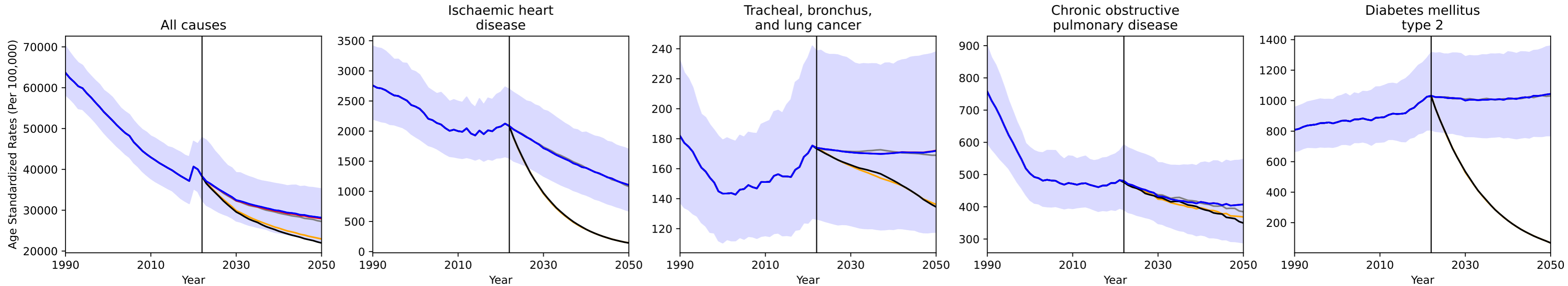
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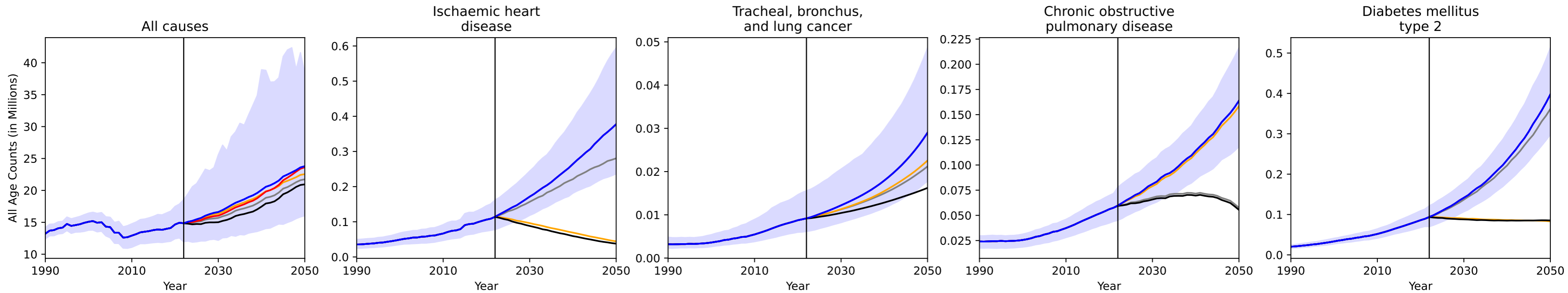
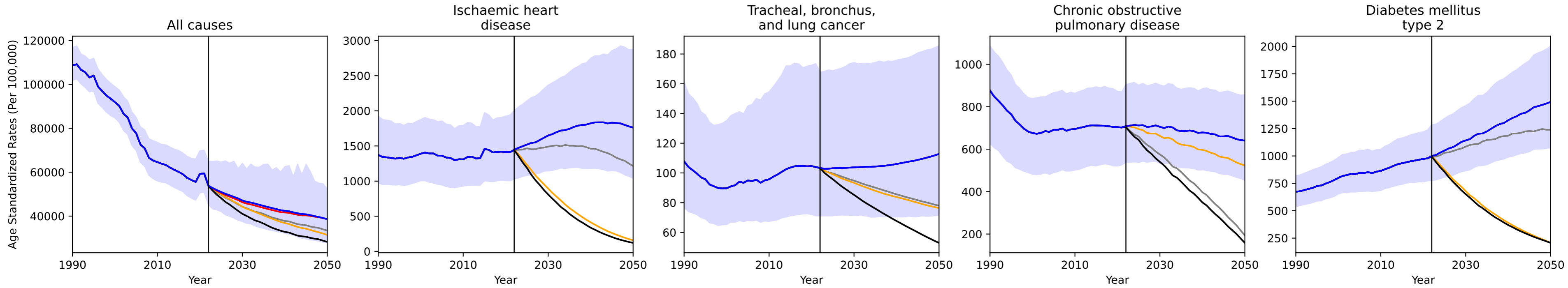
# Mali



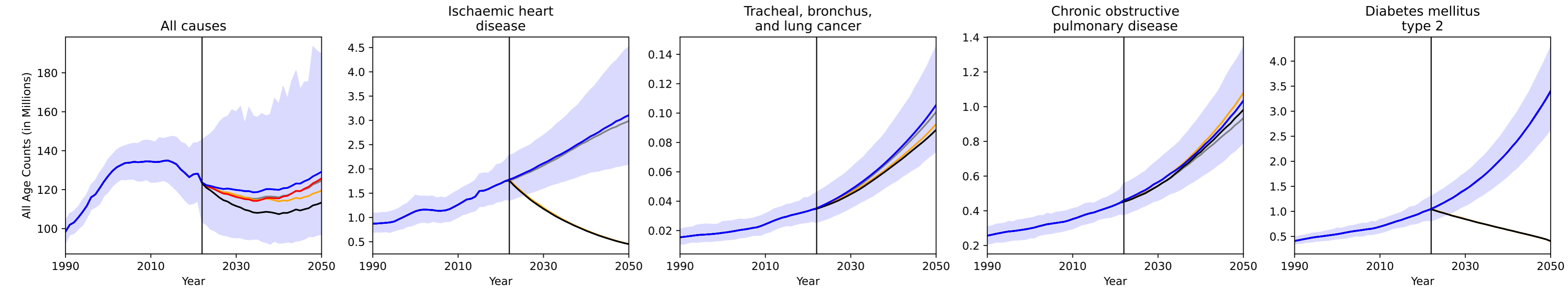
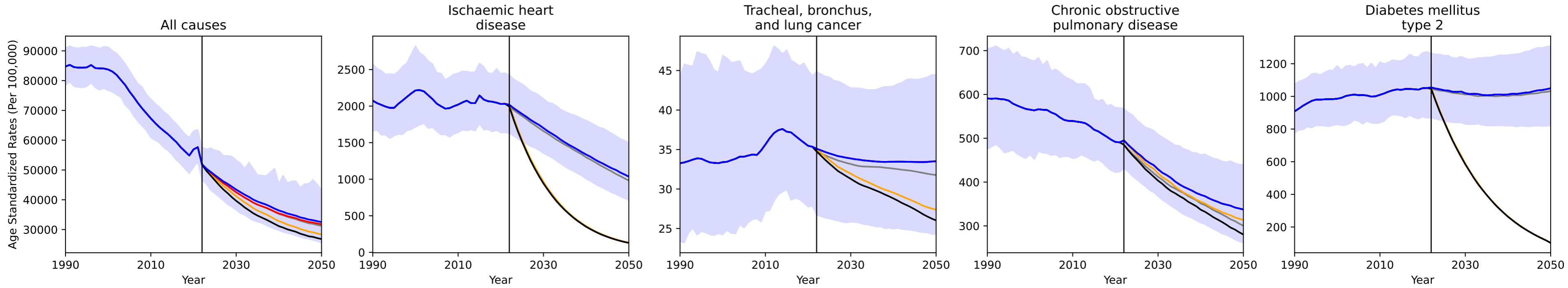
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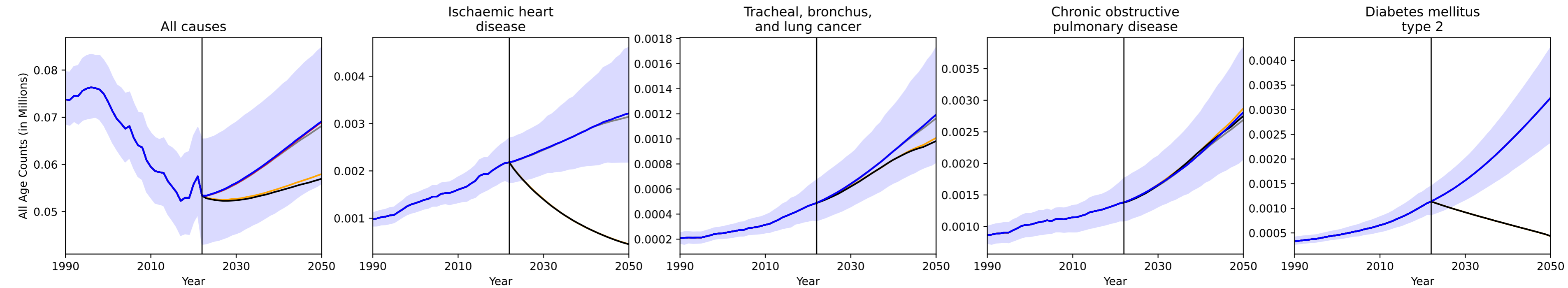
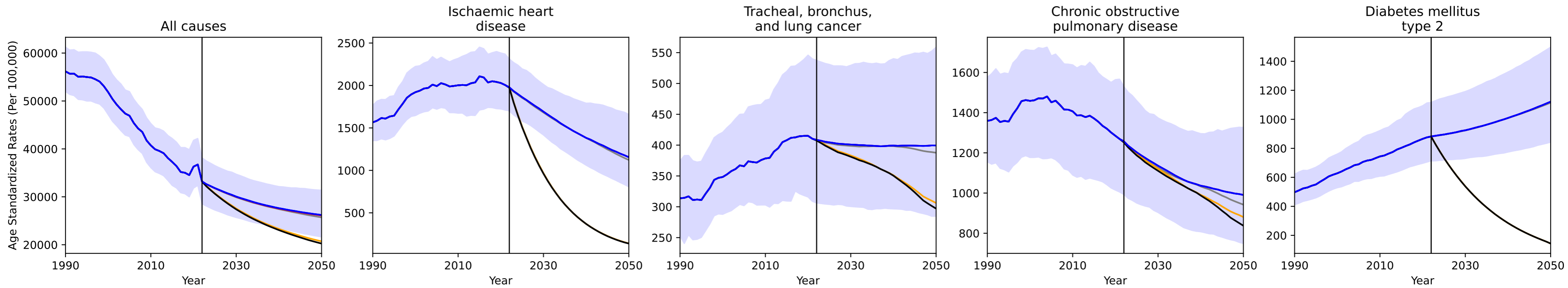
# Niger



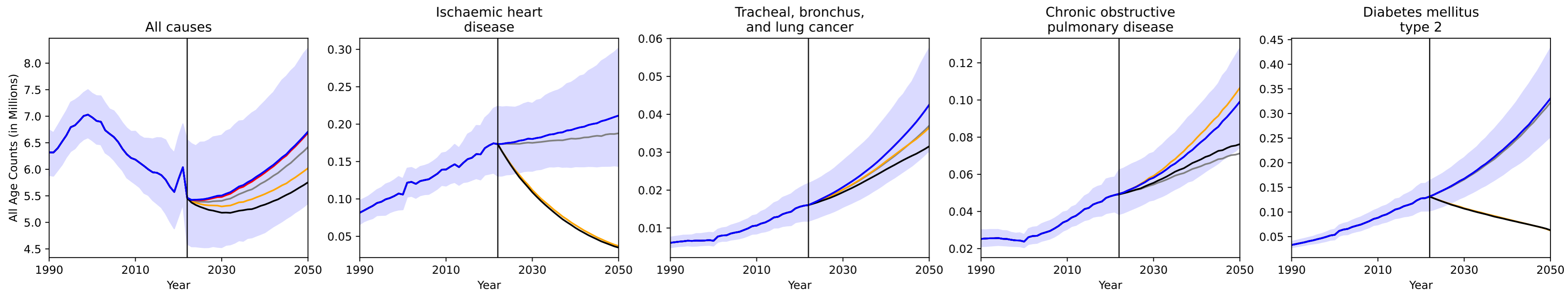
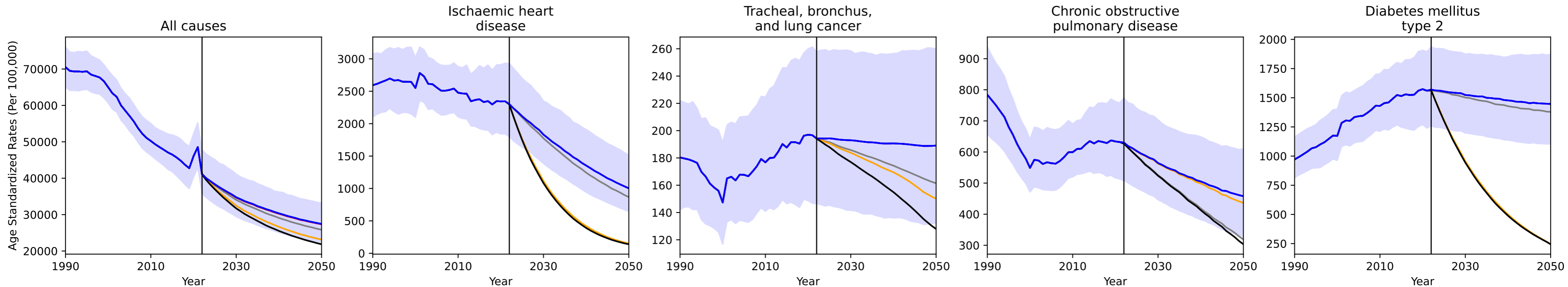
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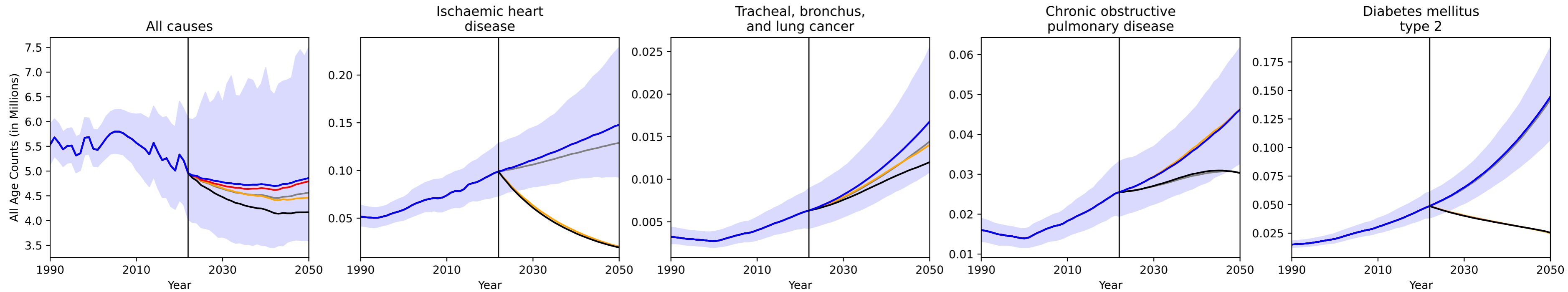
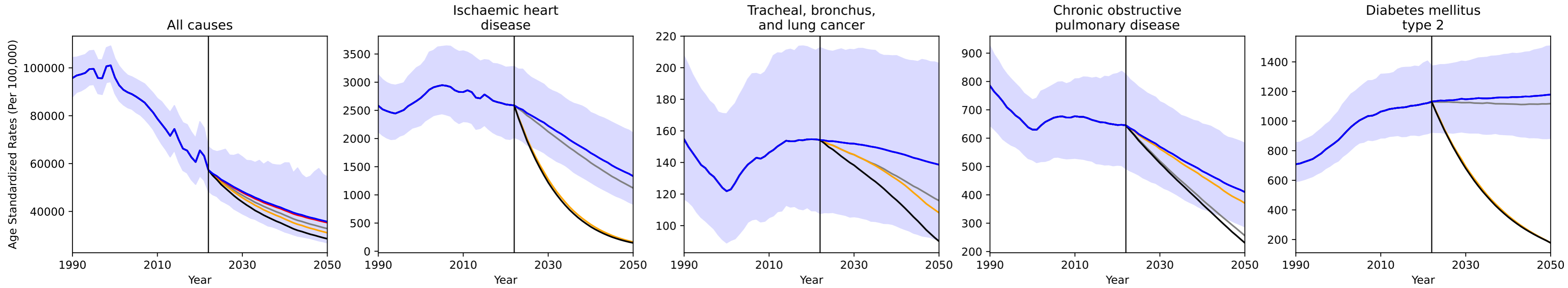
# São Tomé And Príncipe



# Senegal

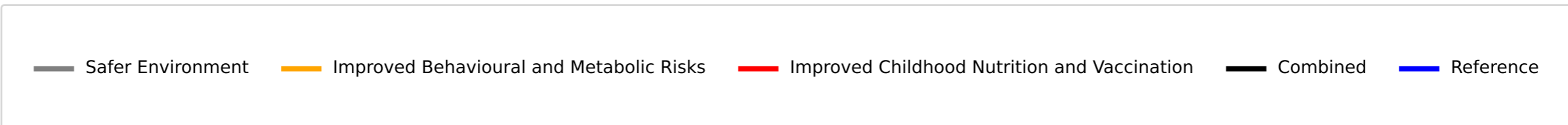
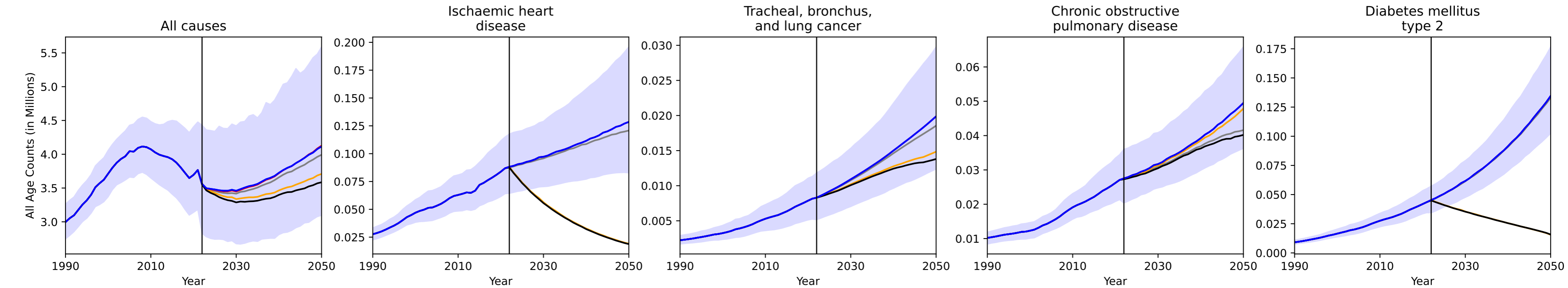
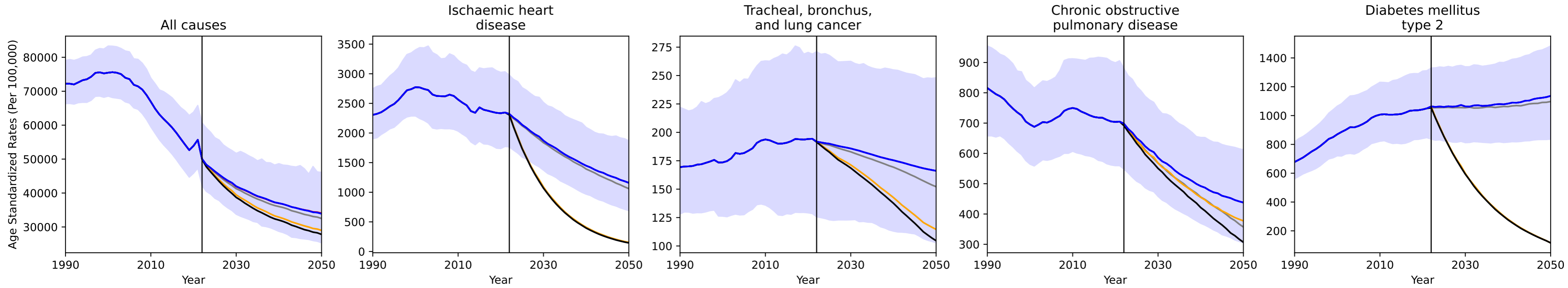


# Sierra Leone

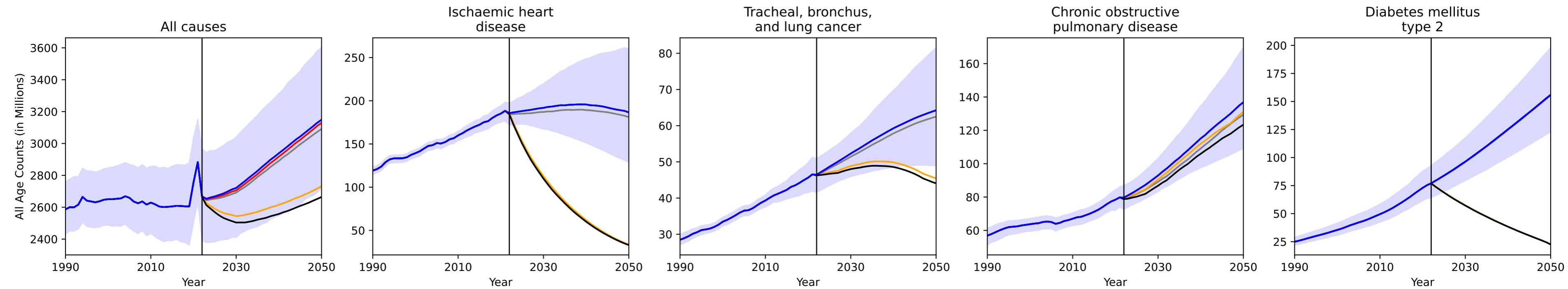
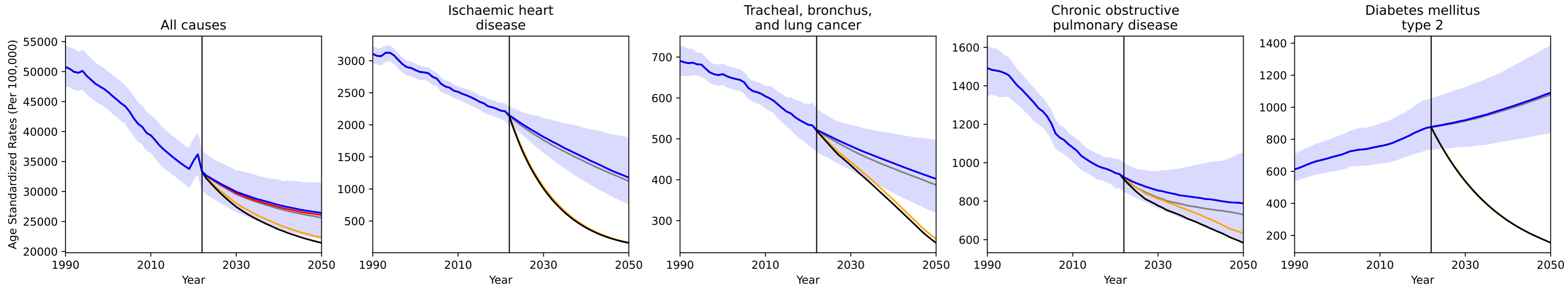




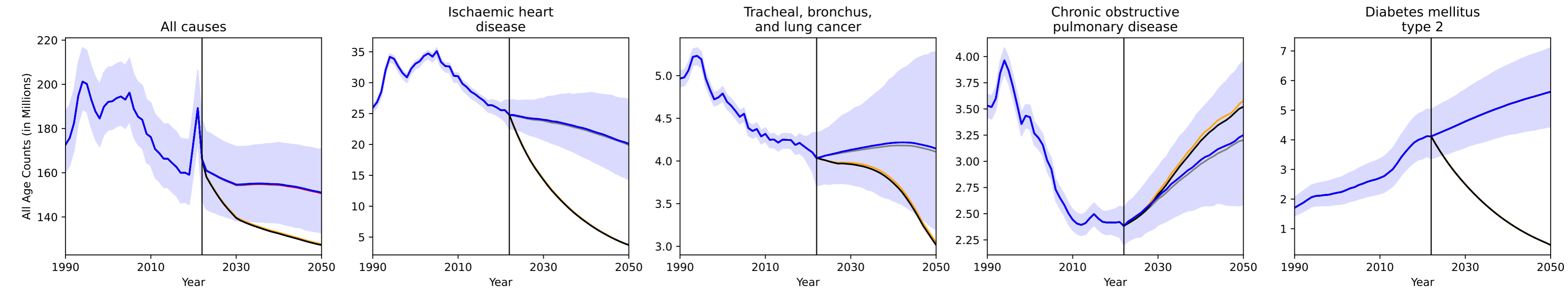
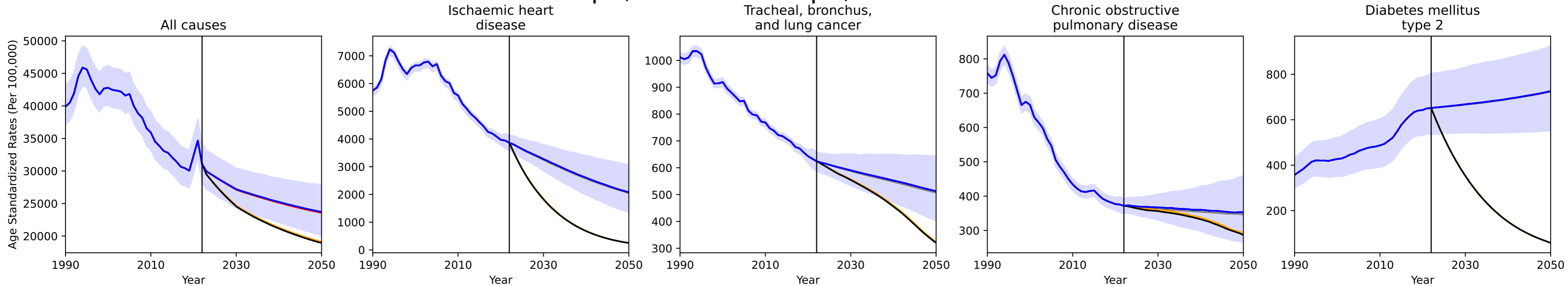
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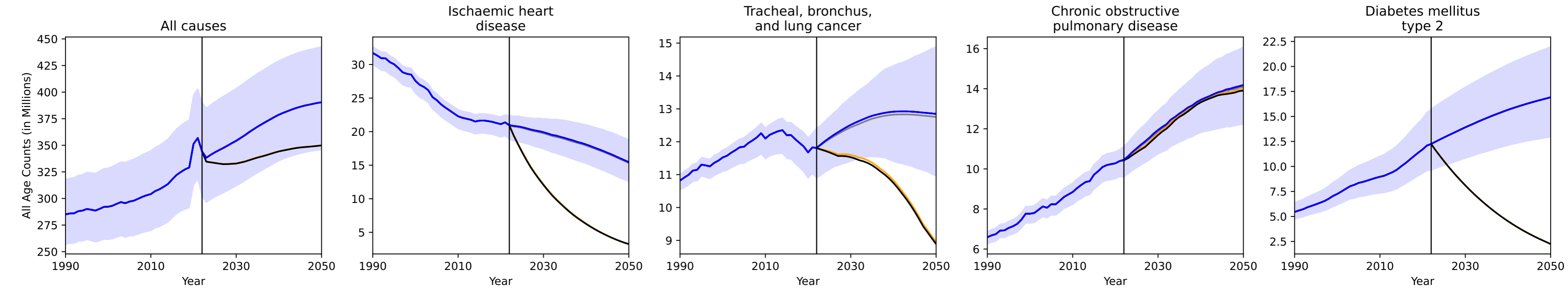
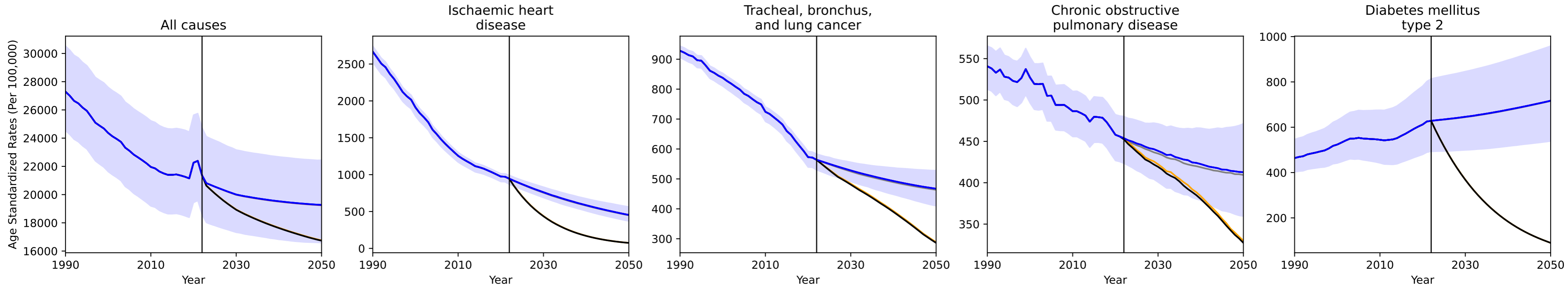
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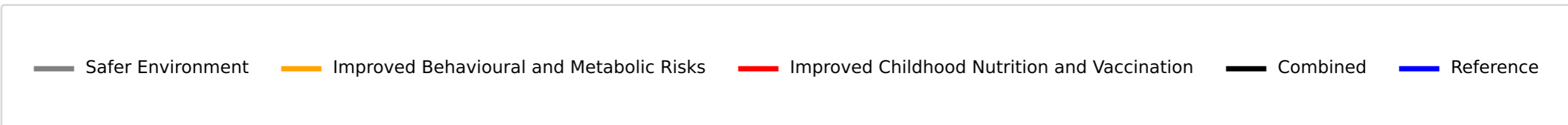
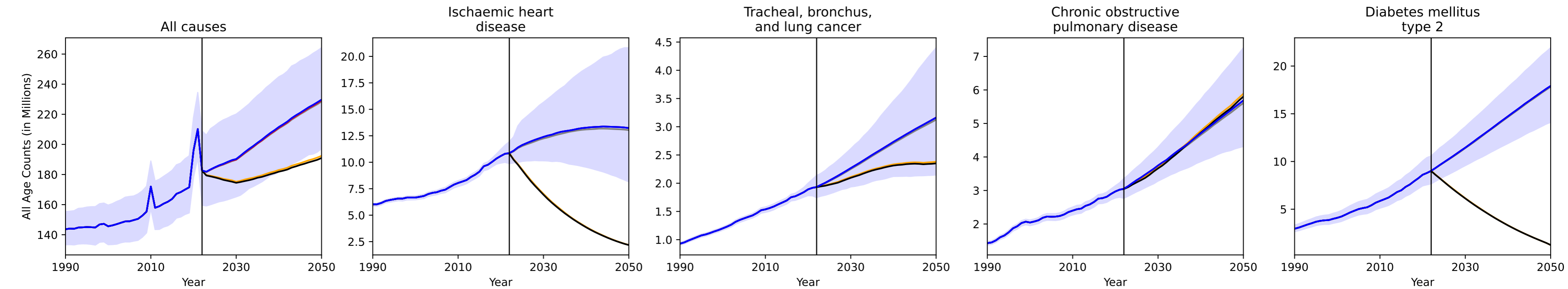
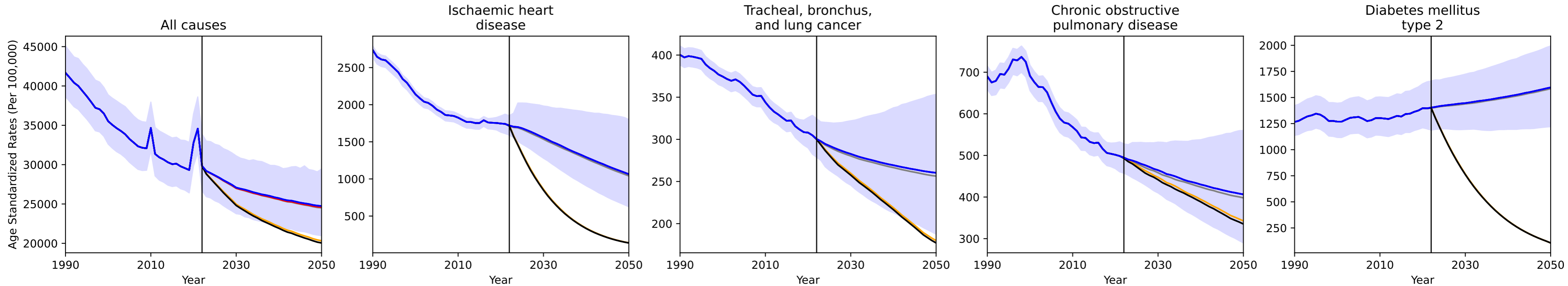
# Central Europe, Eastern Europe, And Central Asia



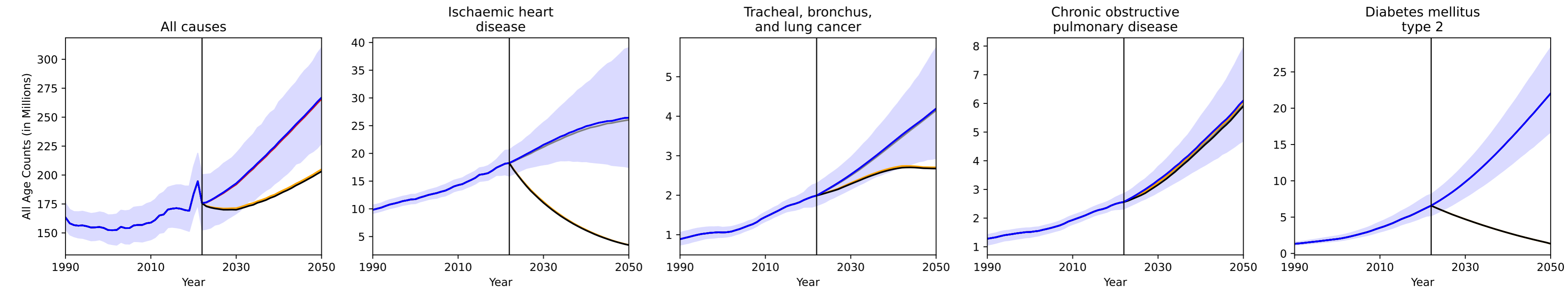
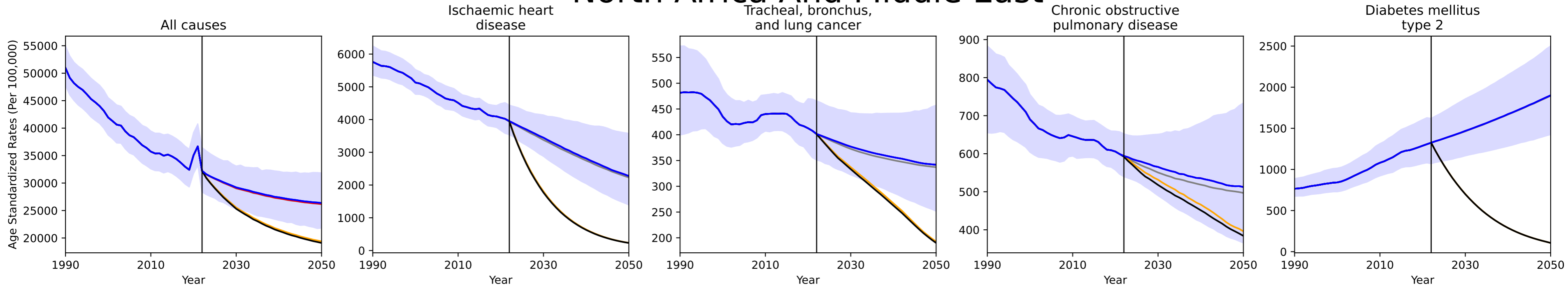
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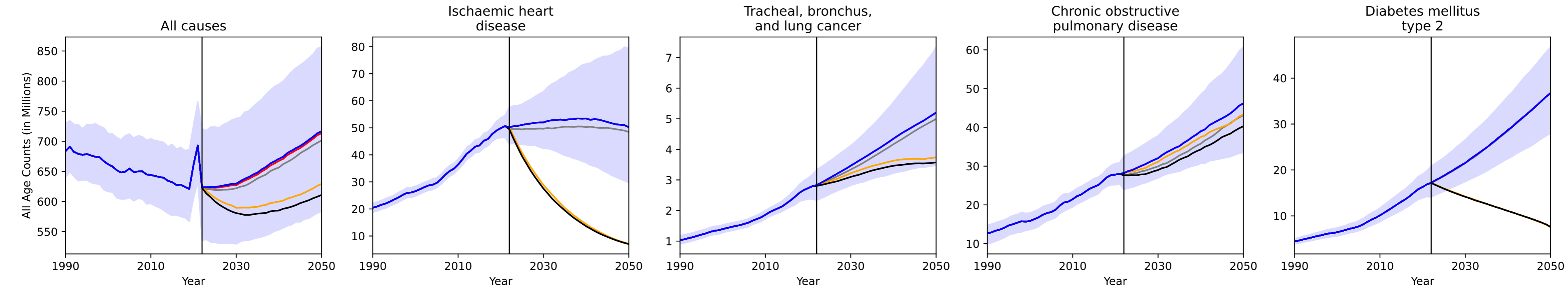
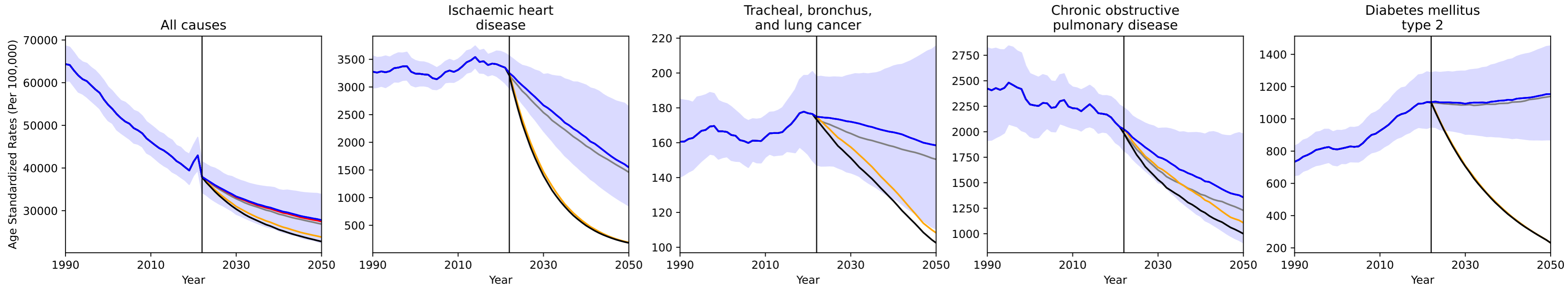
# Latin America And Caribbean



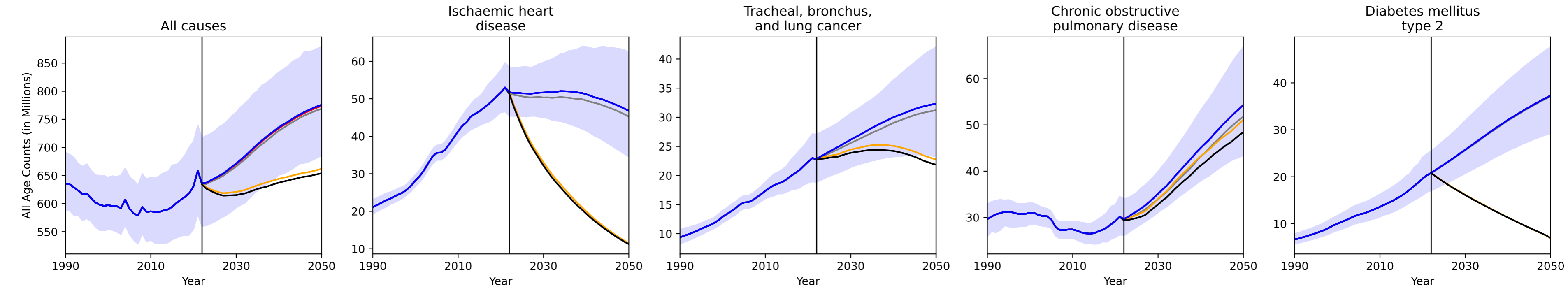
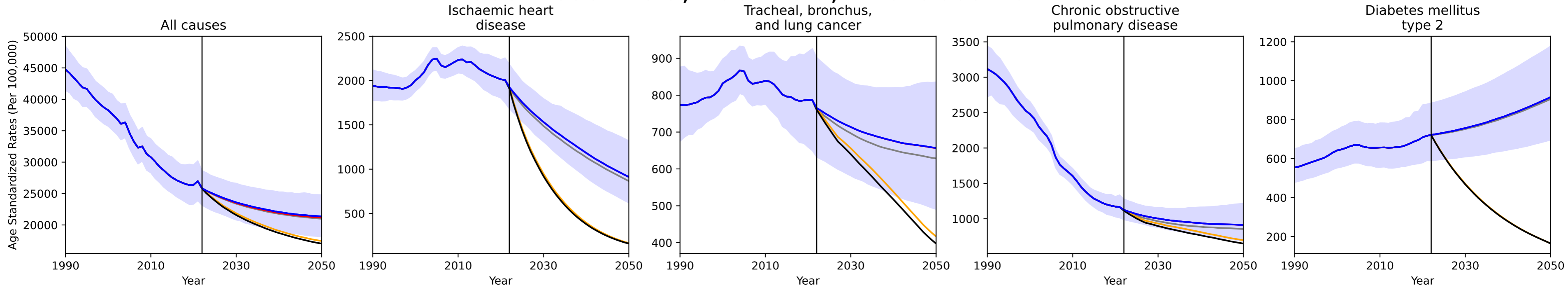
# North Africa And Middle East



# South Asia



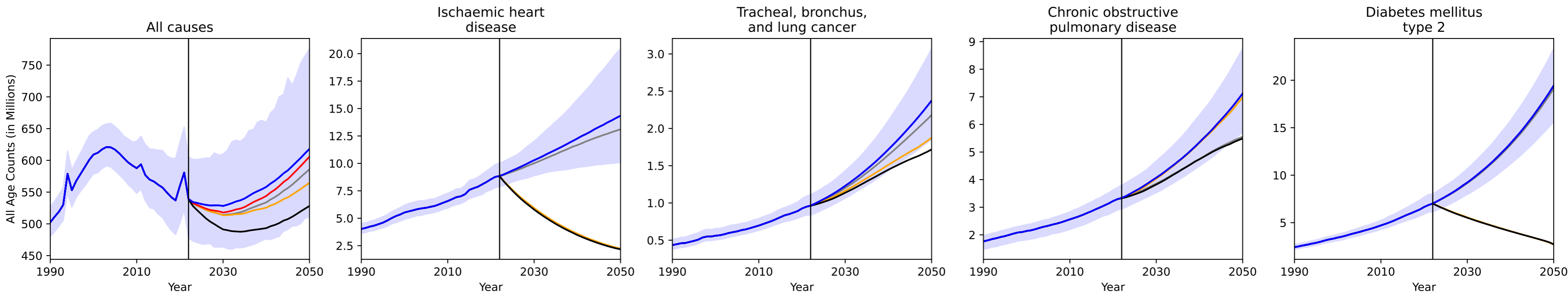
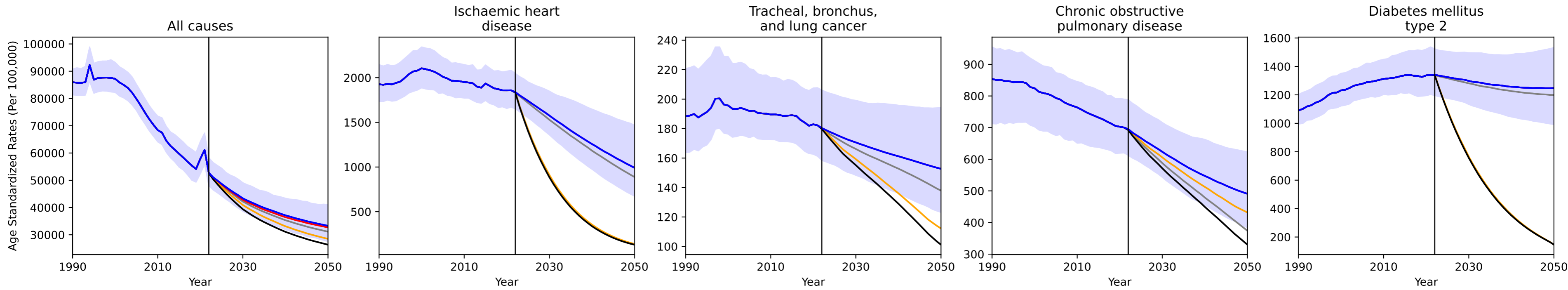
# Southeast Asia, East Asia, And Oceania



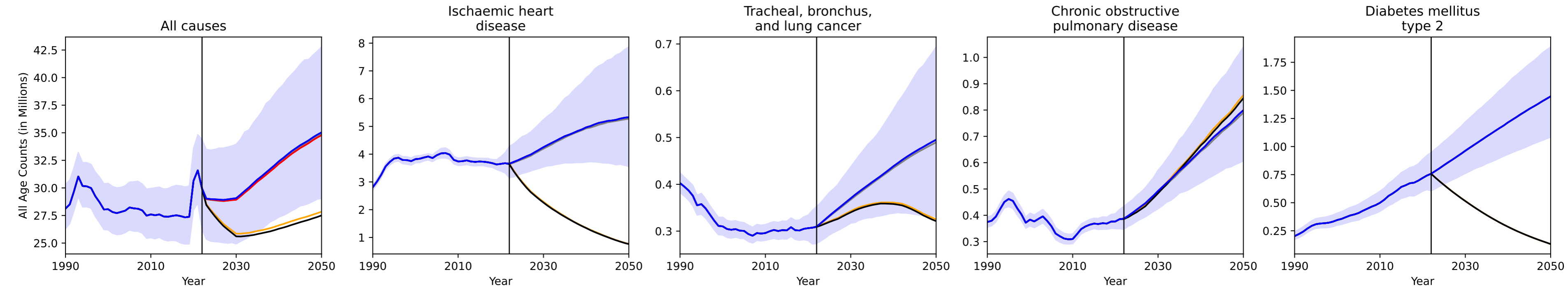
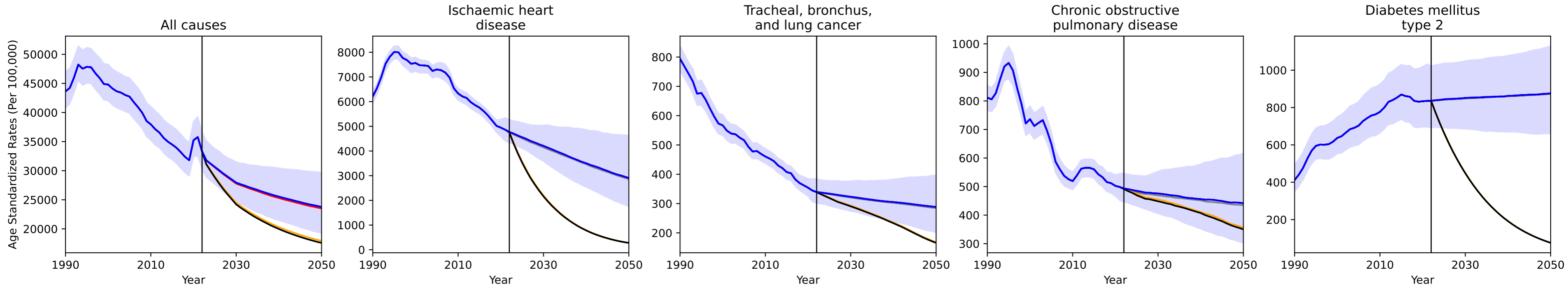


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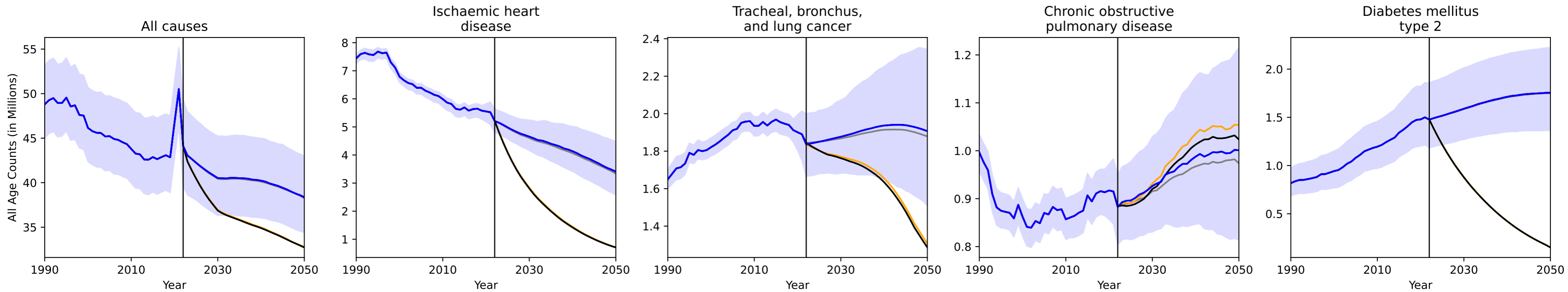
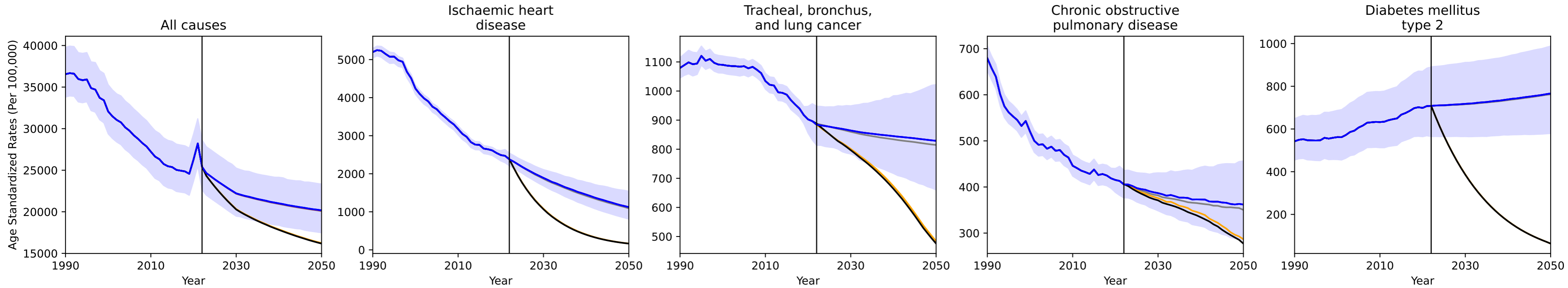
Supplemental Results Figure S12. All cause and top NCD causes age standardized DALY rates and all age counts by scenario and location, 1990-2050



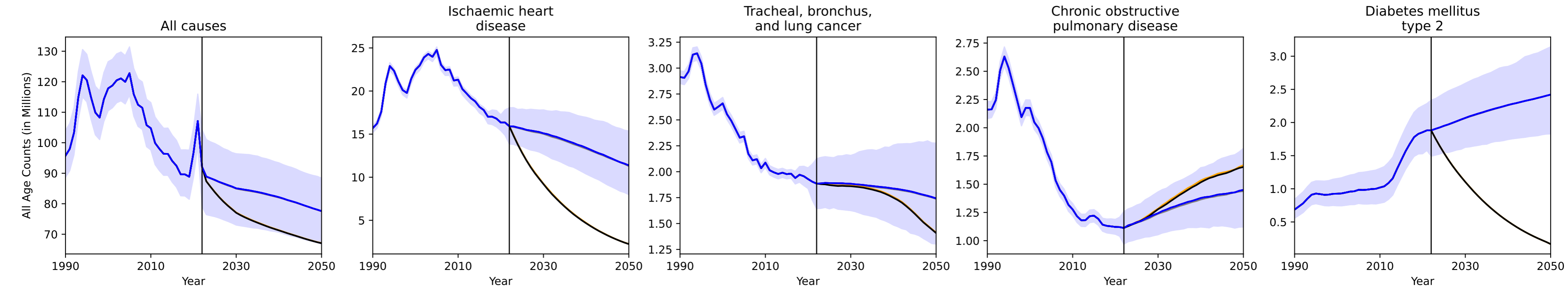
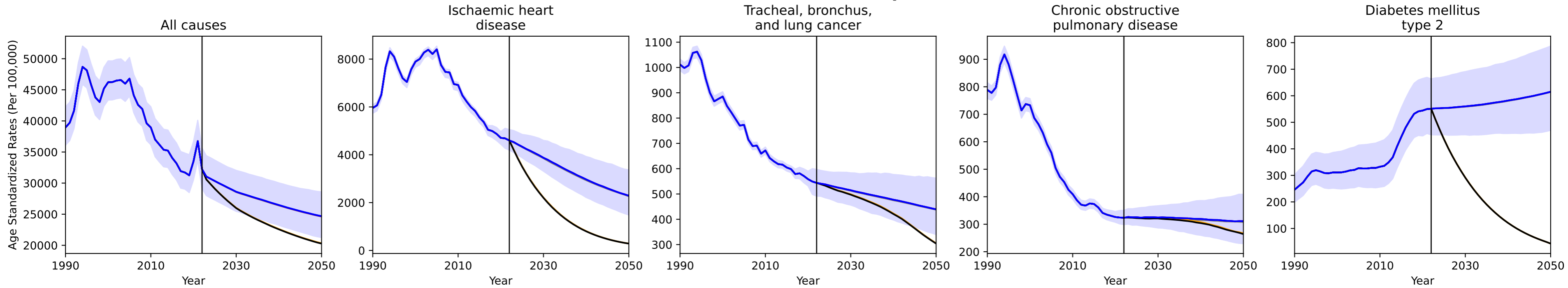
# Central Asia



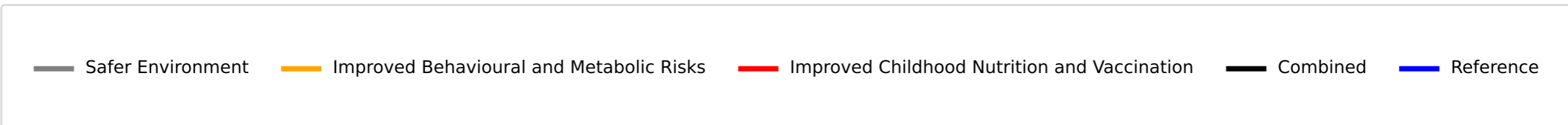
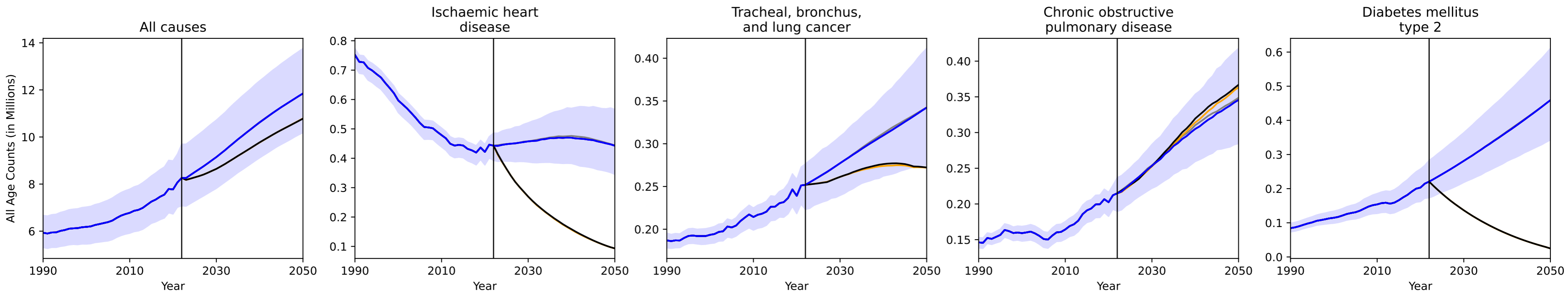
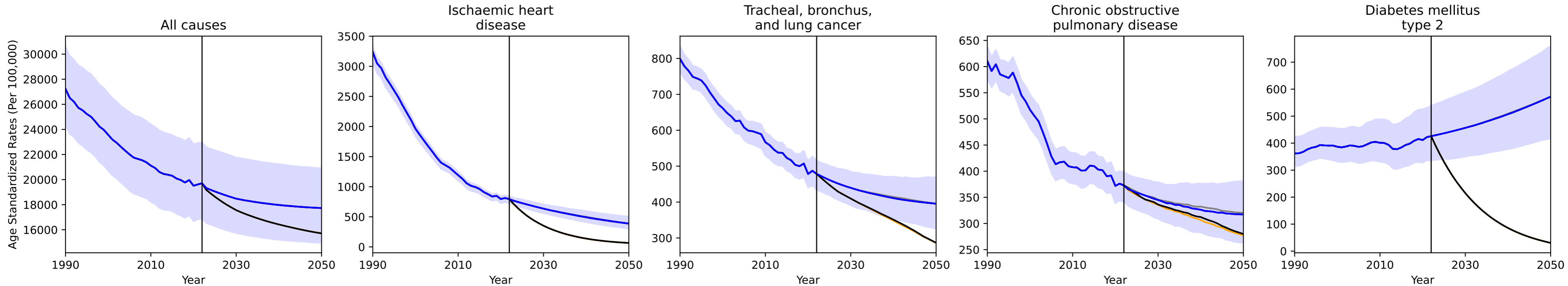
# Central Europe



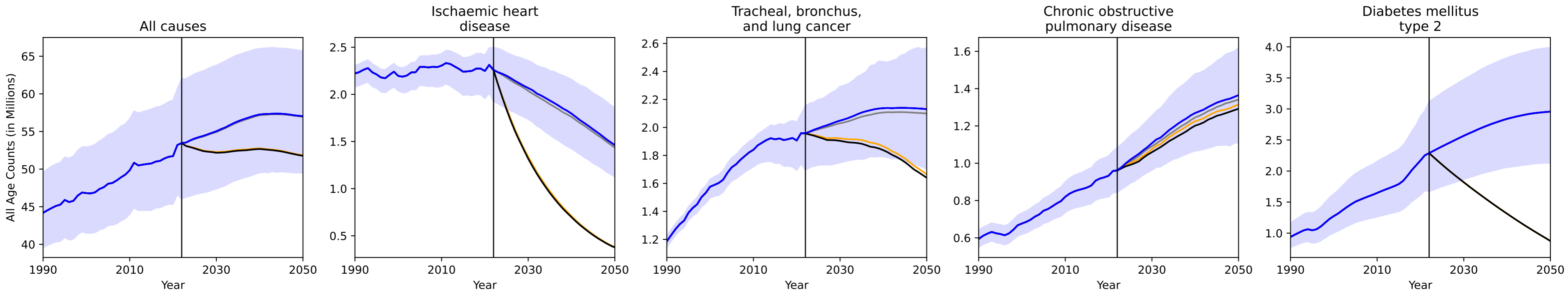
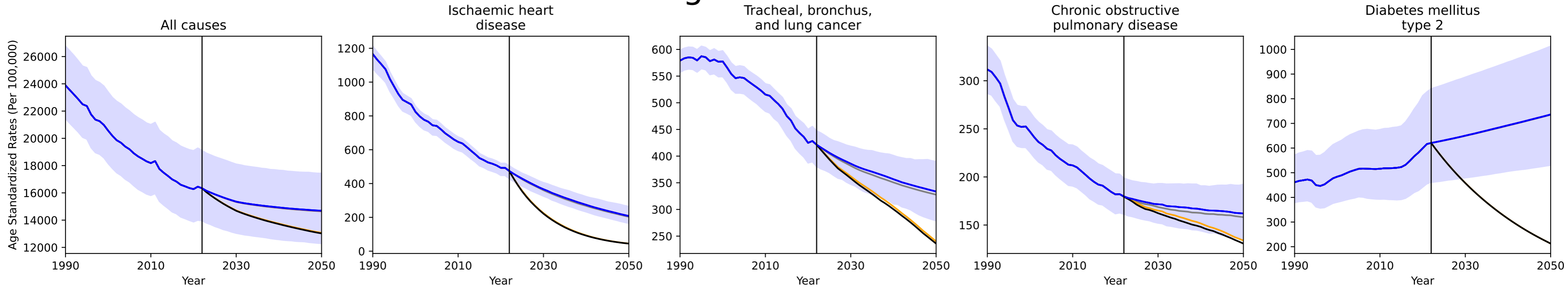
# Eastern Europe



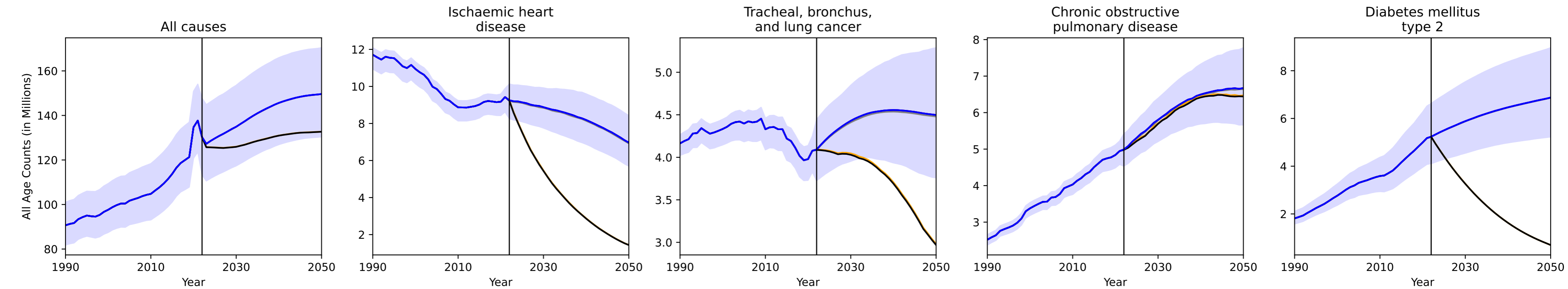
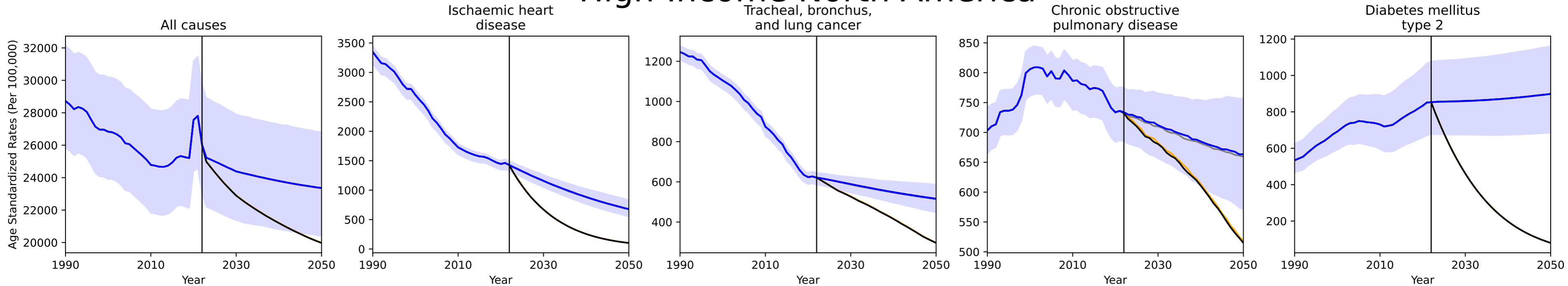
# Australasia



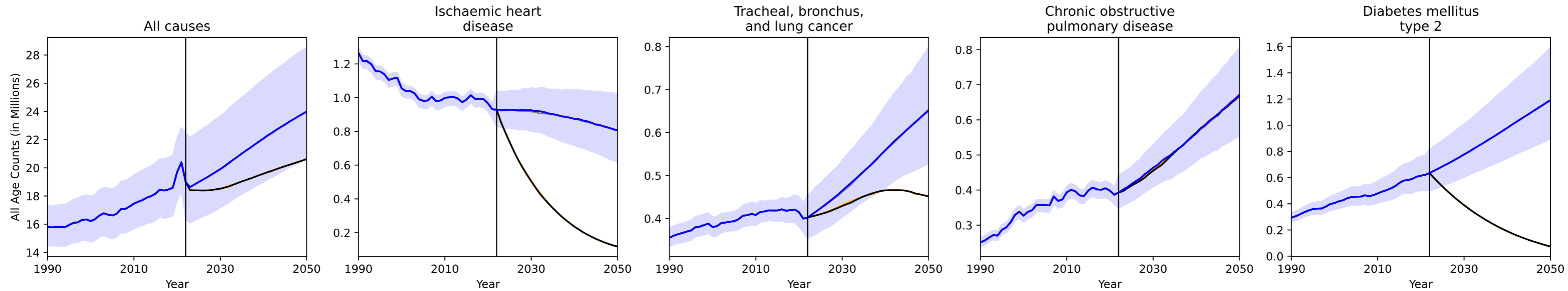
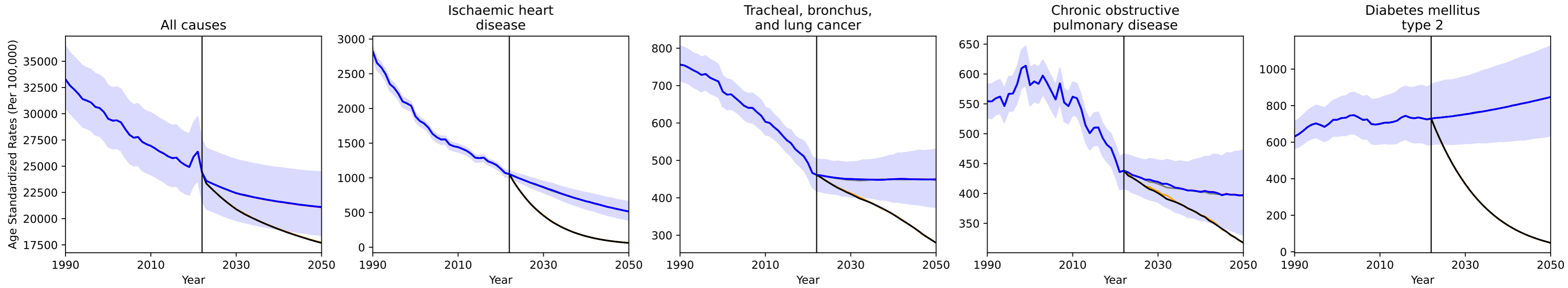
# High-Income Asia Pacific



# High-Income North America



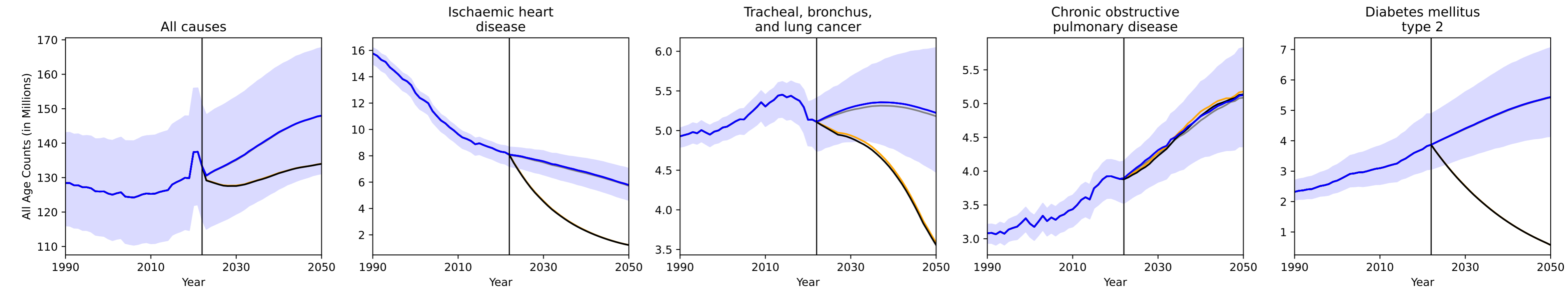
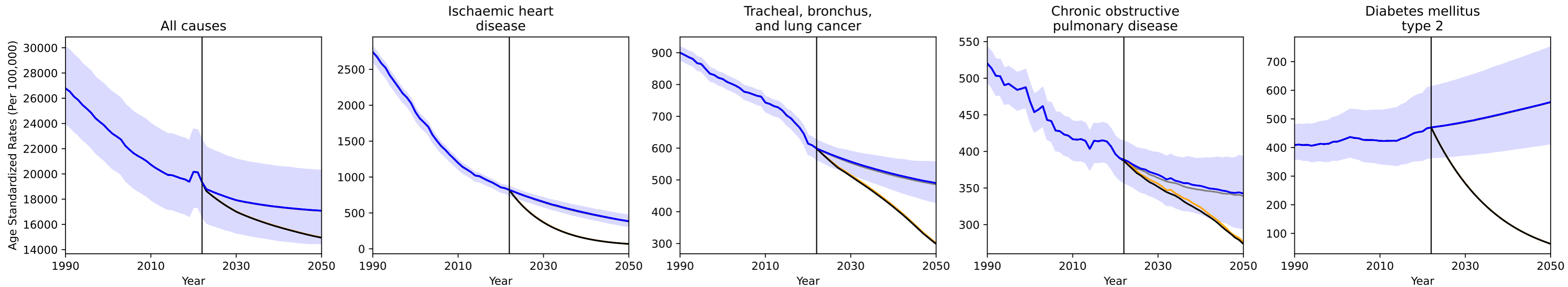
# Southern Latin America



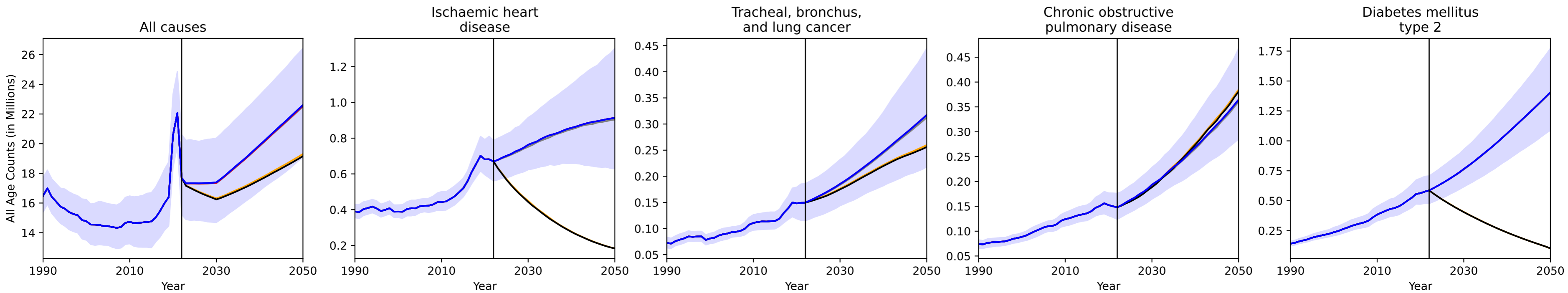
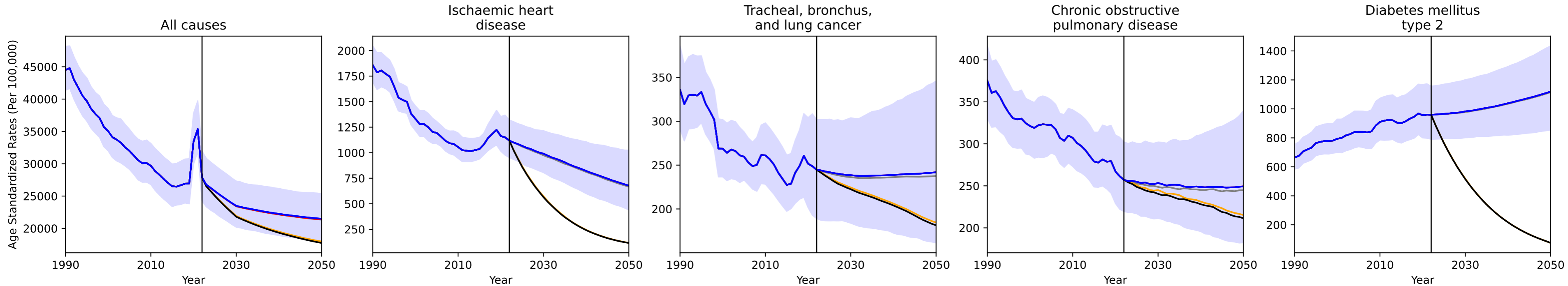
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



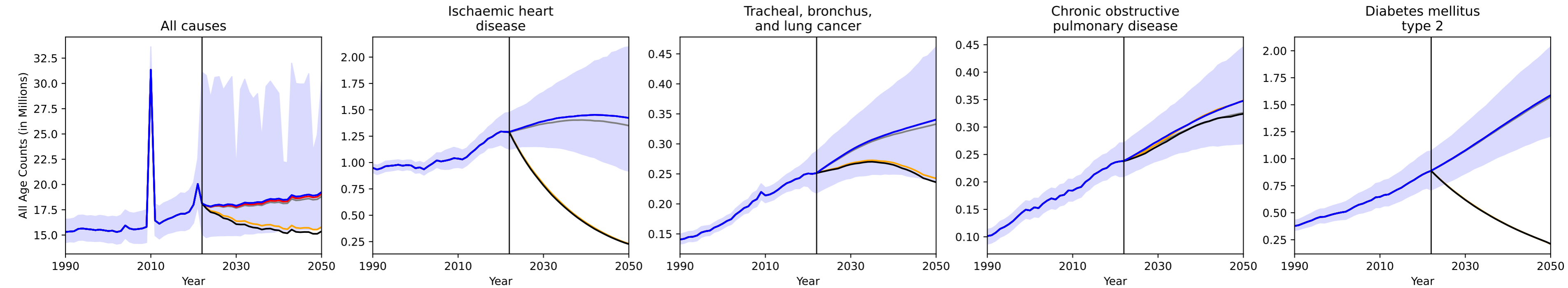
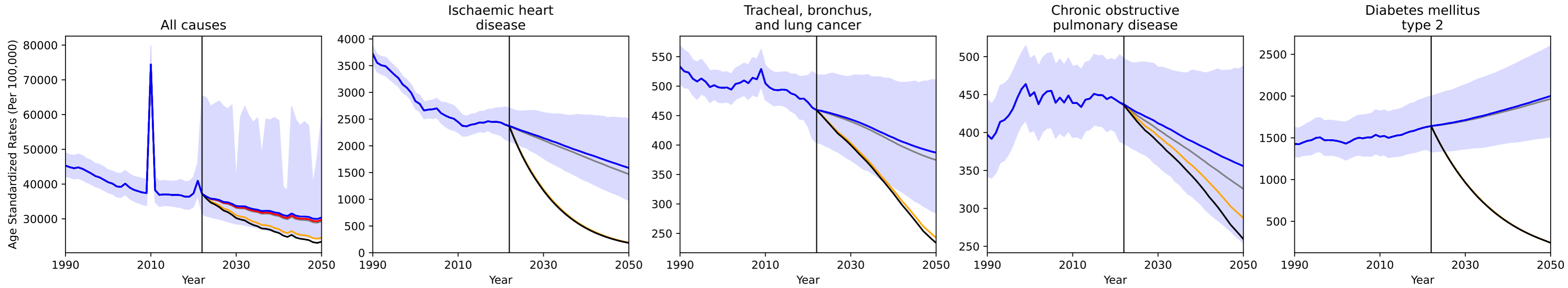
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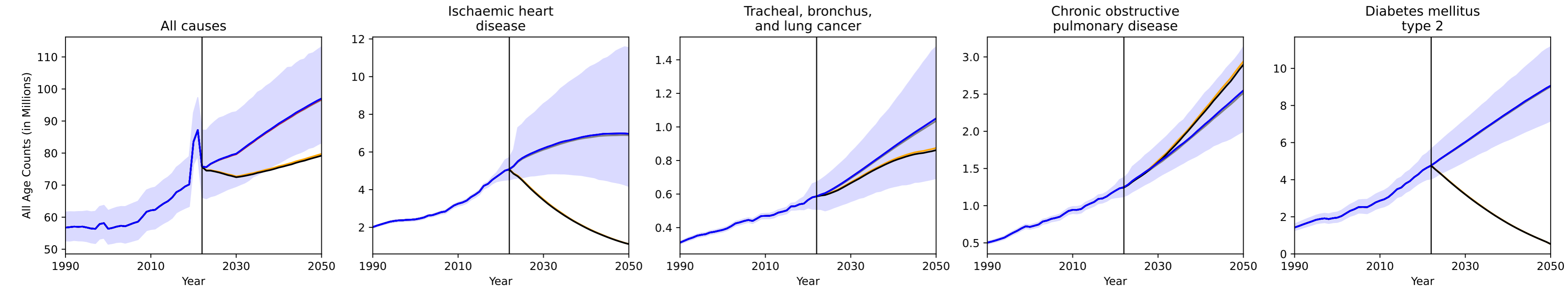
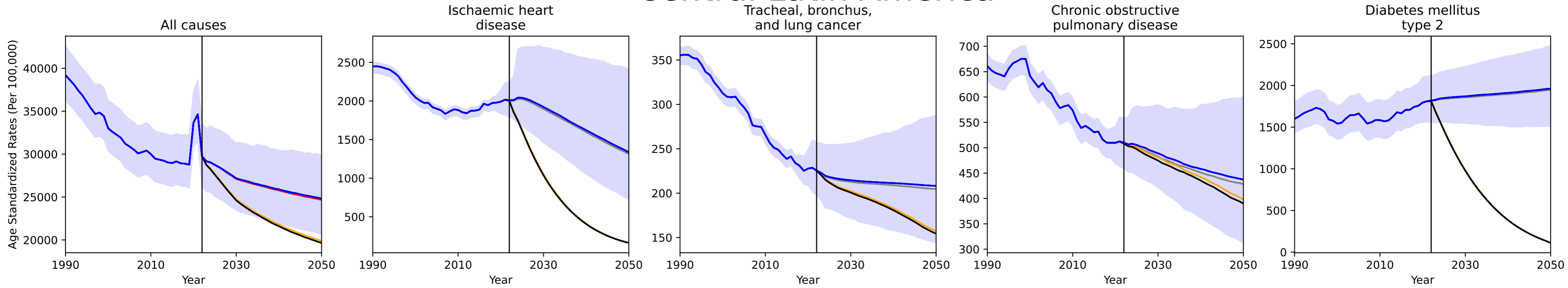
# Andean Latin America



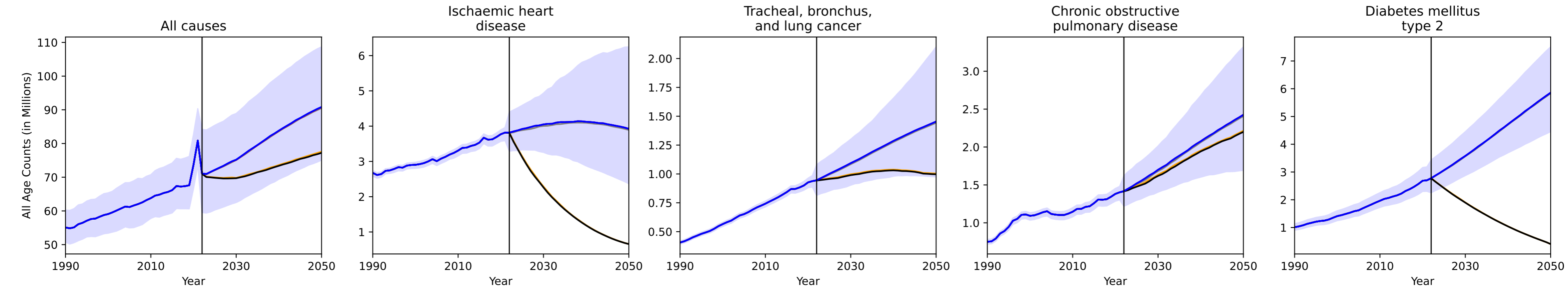
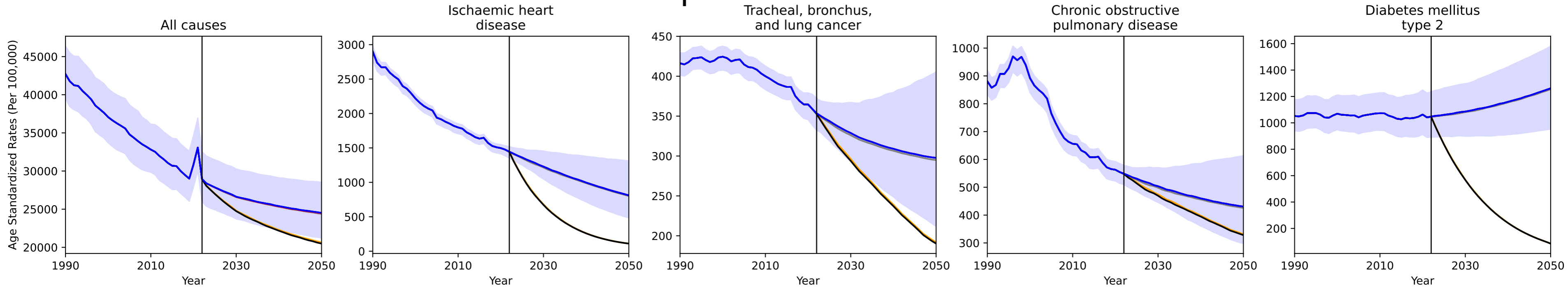
# Caribbean



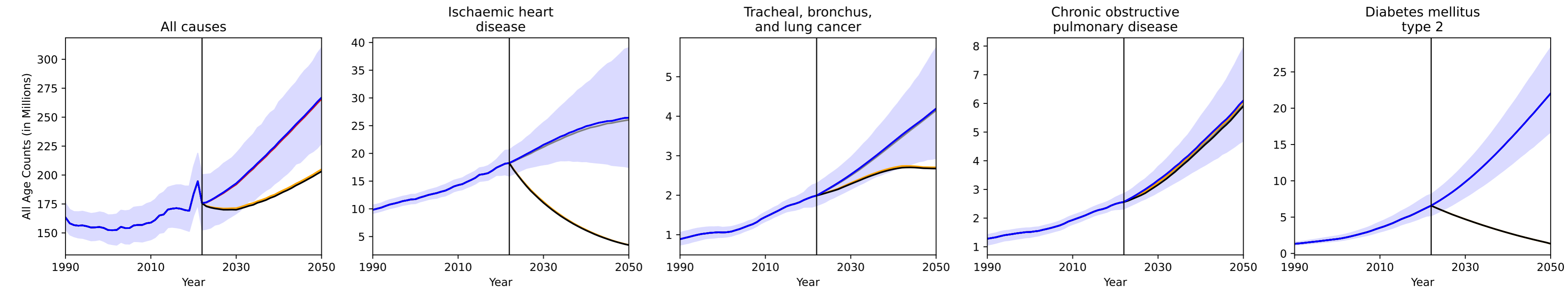
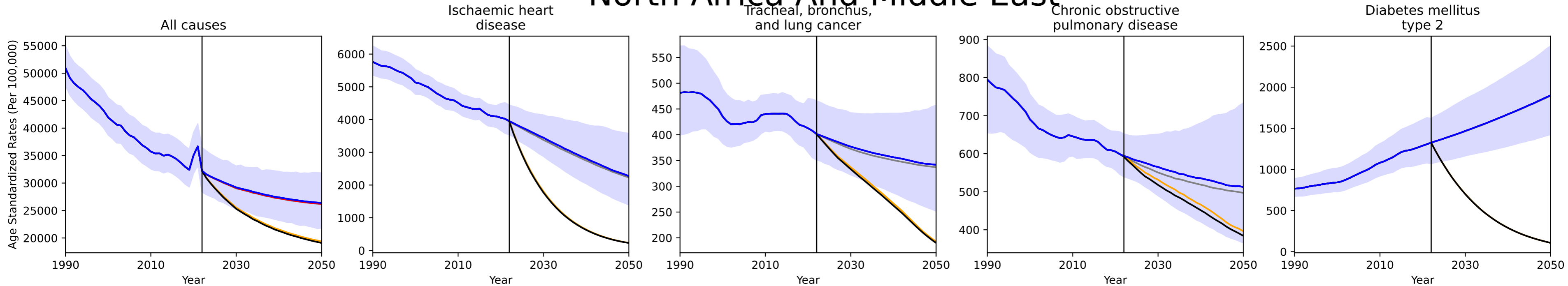
# Central Latin America



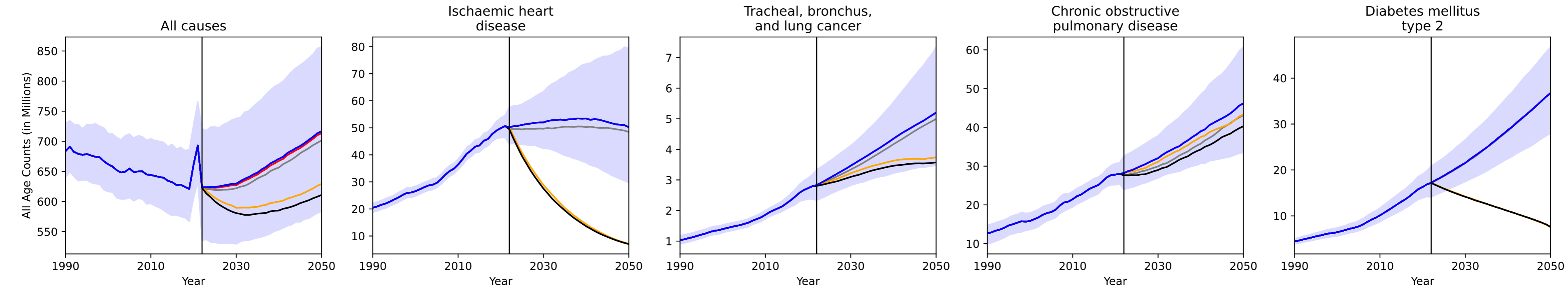
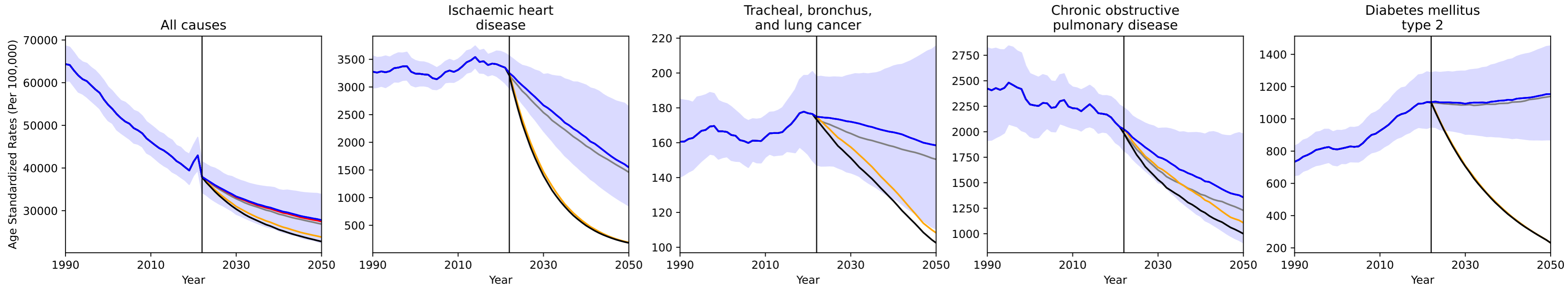
# Tropical Latin America



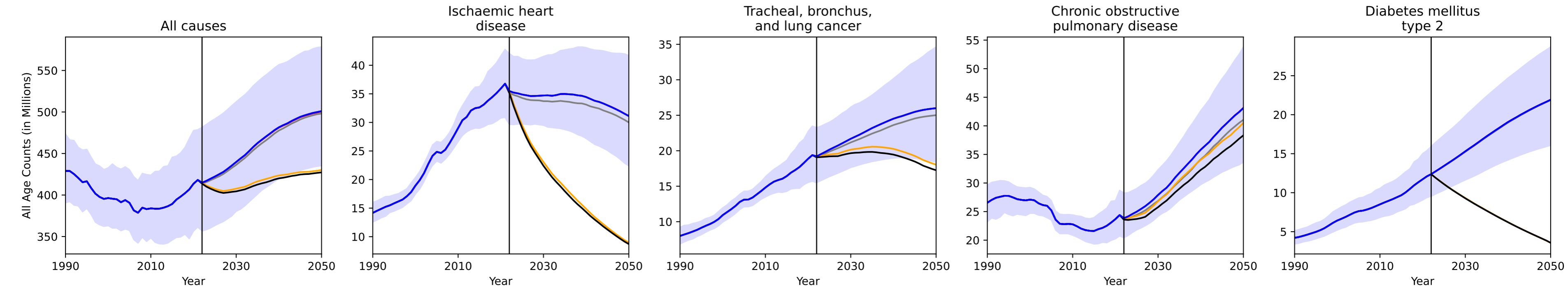
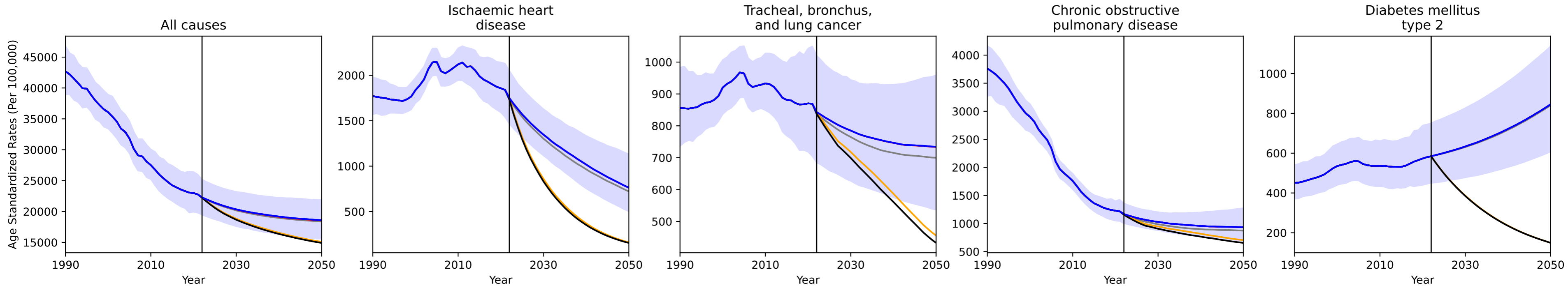
# North Africa And Middle East



# South Asia

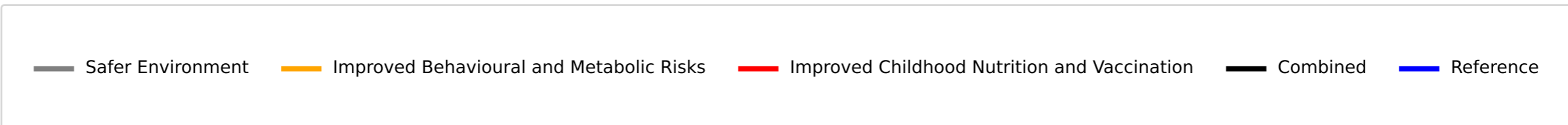
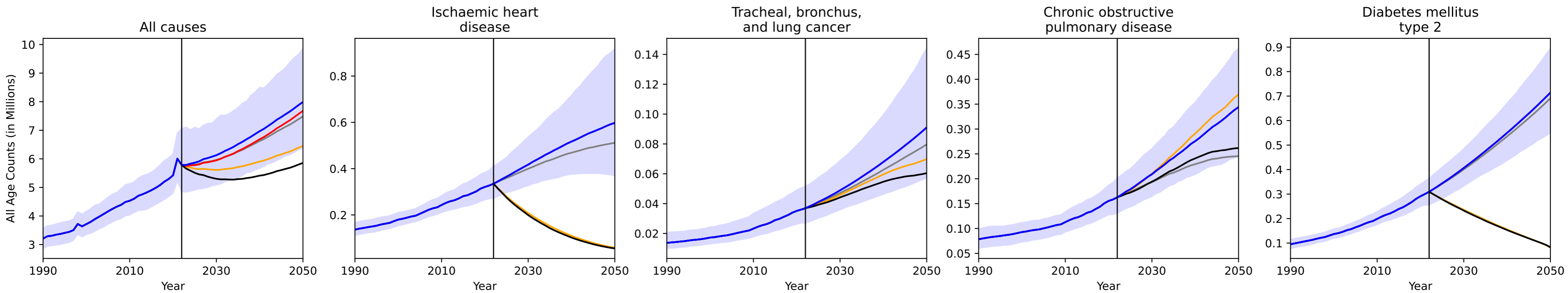
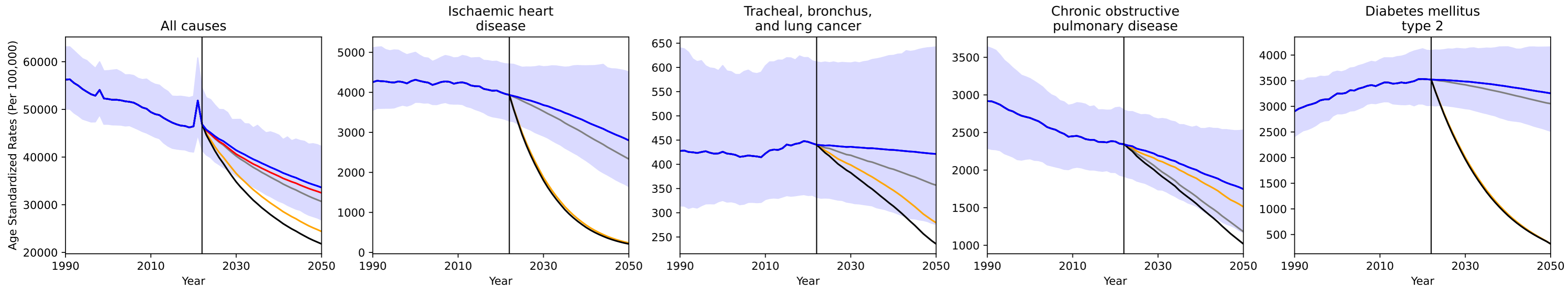


# East Asia

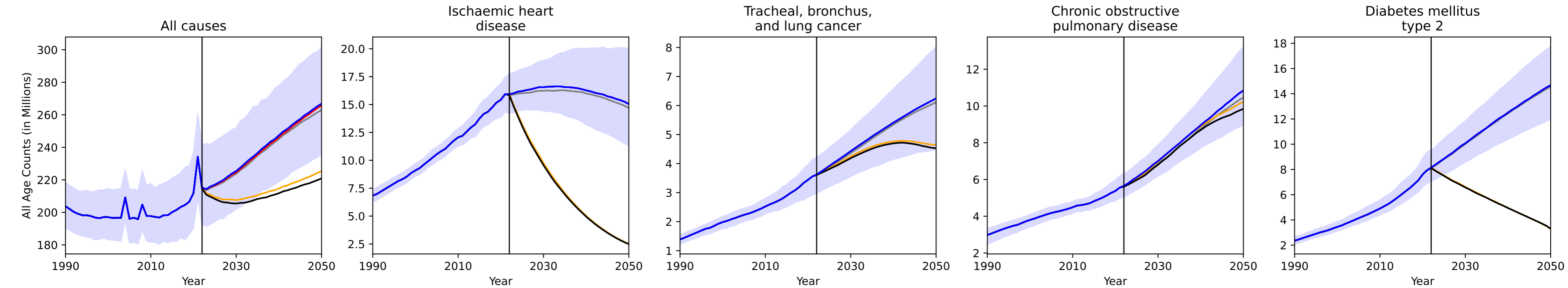
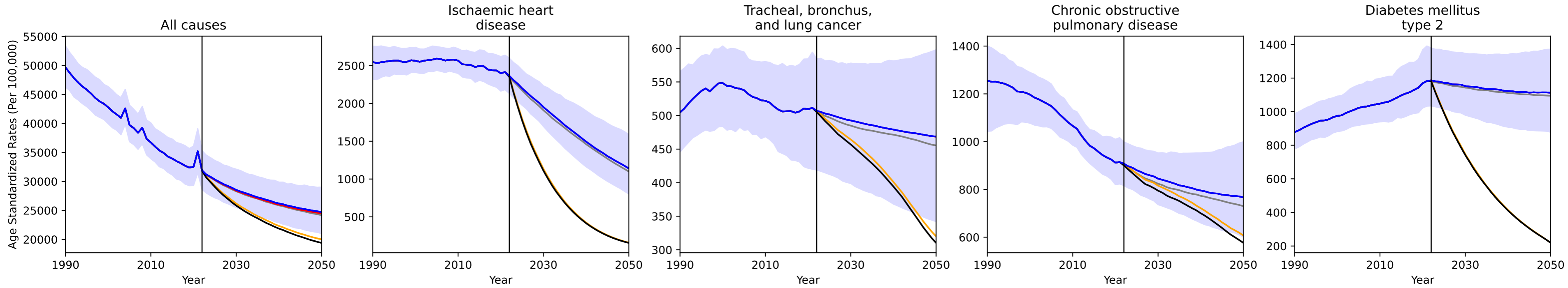




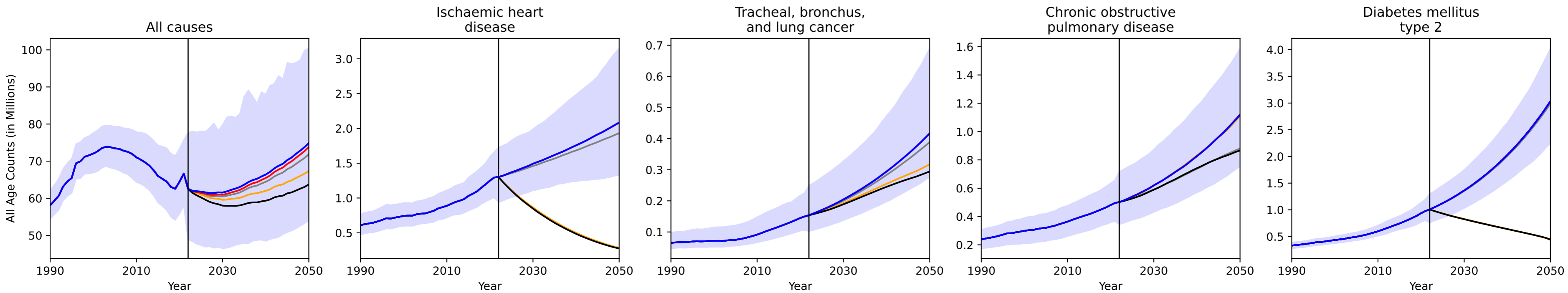
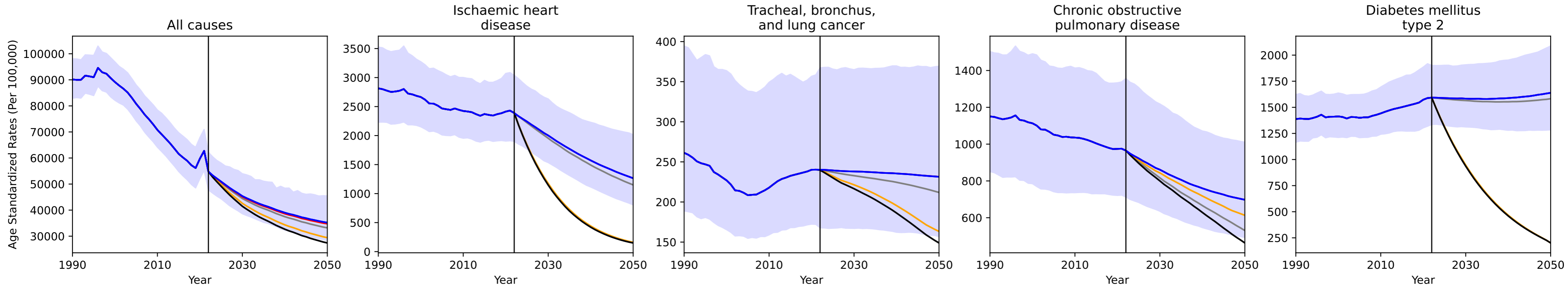
# Oceania



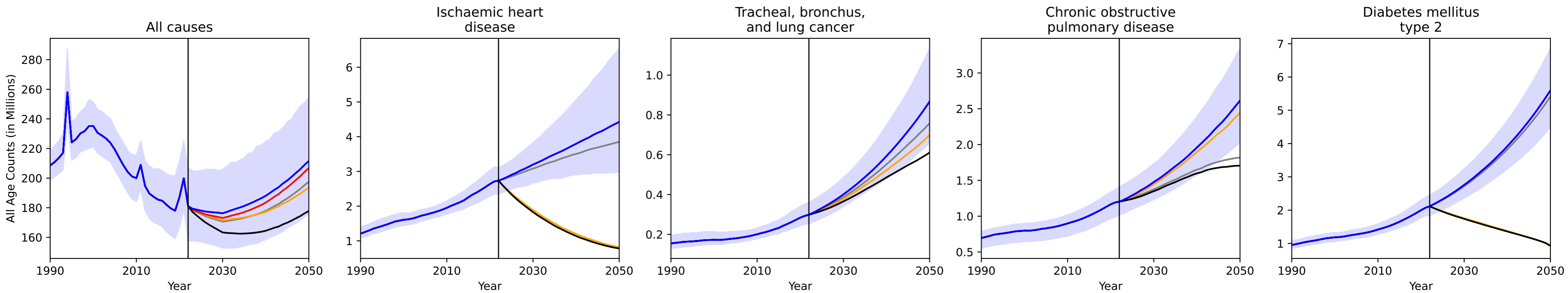
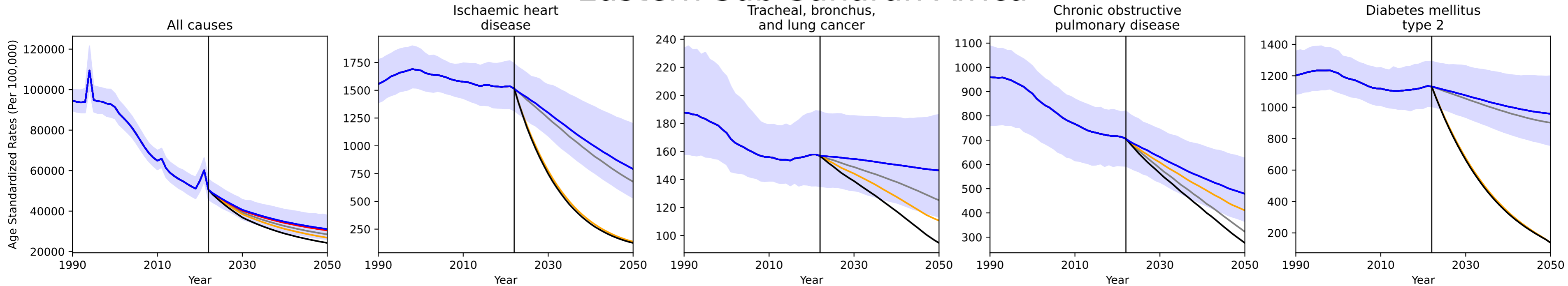
# Southeast Asia



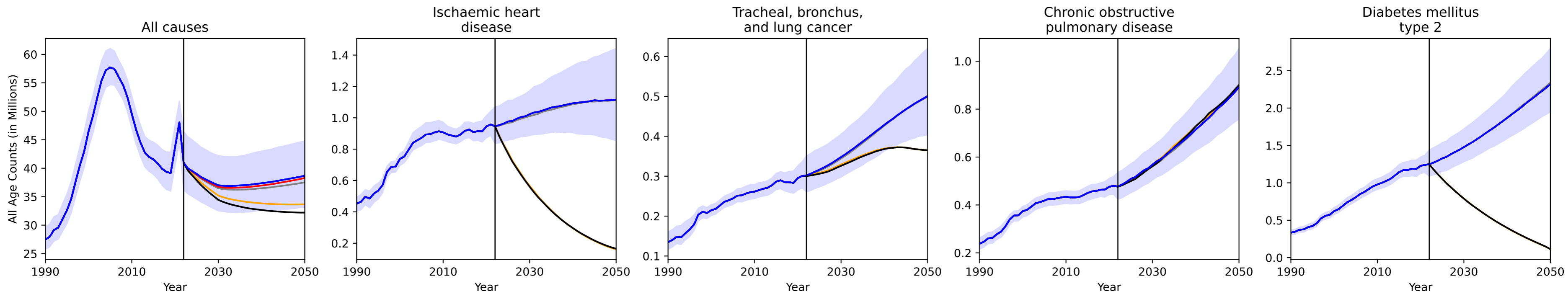
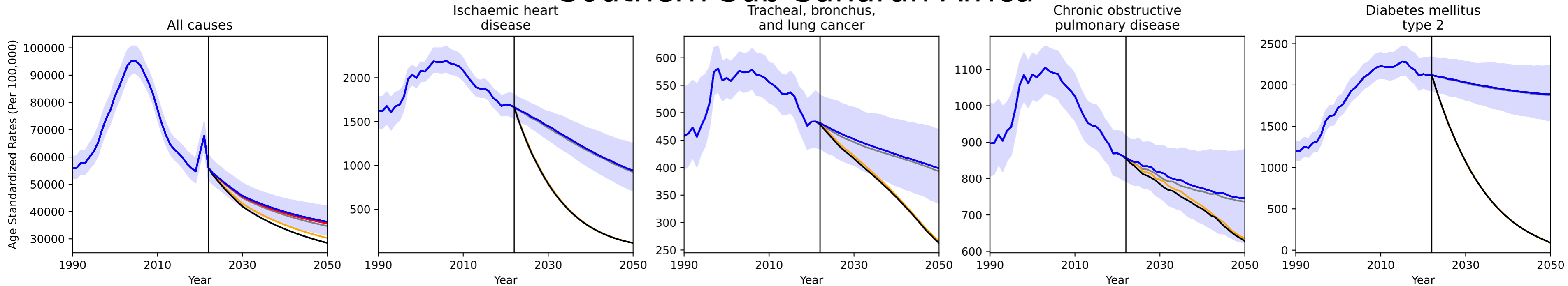
# Central Sub-Saharan Africa



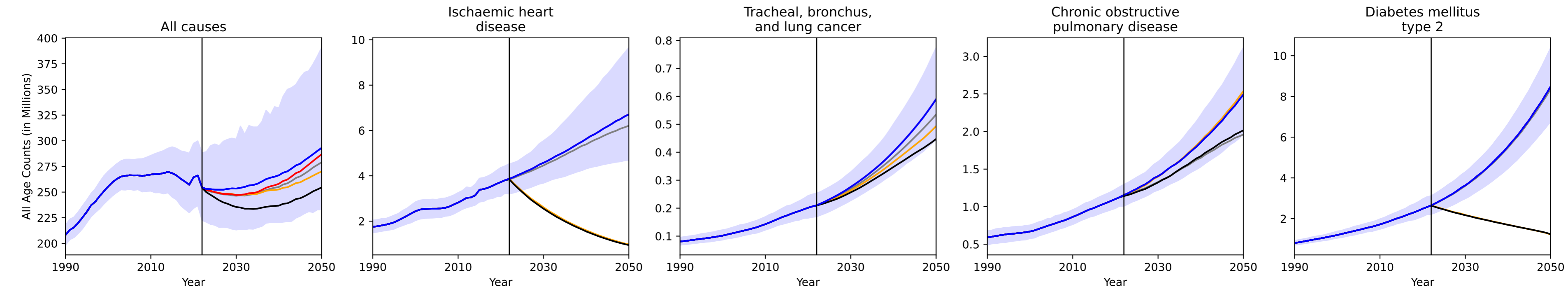
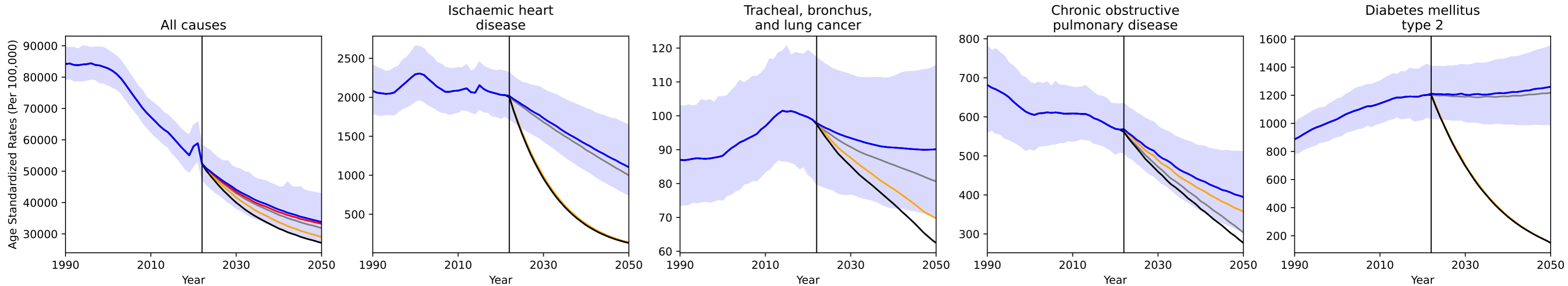
# Eastern Sub-Saharan Africa



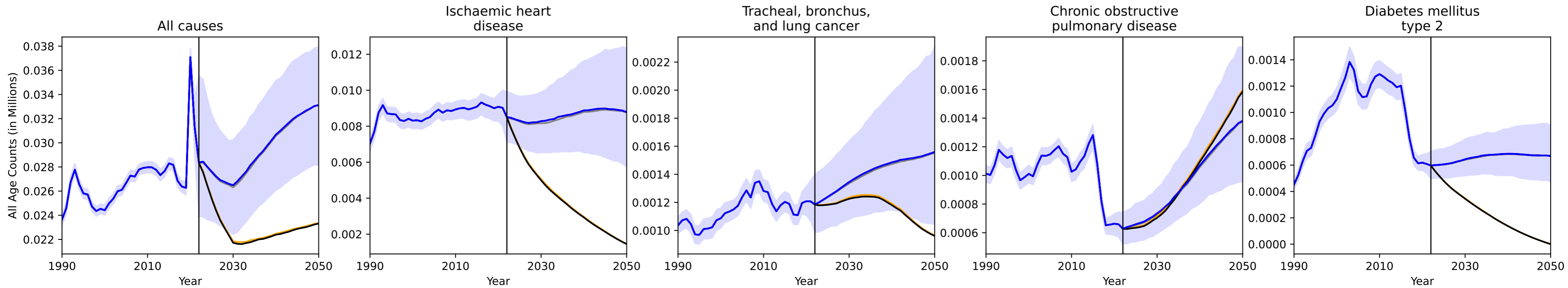
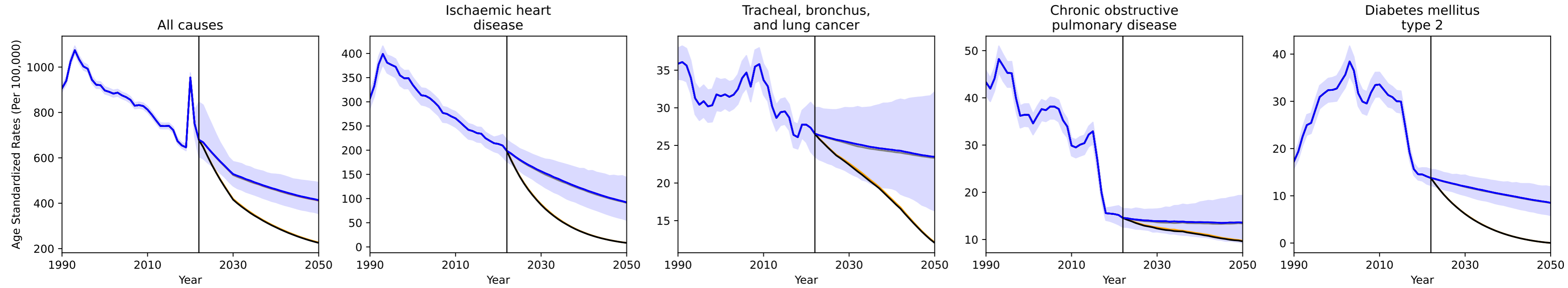
# Southern Sub-Saharan Africa



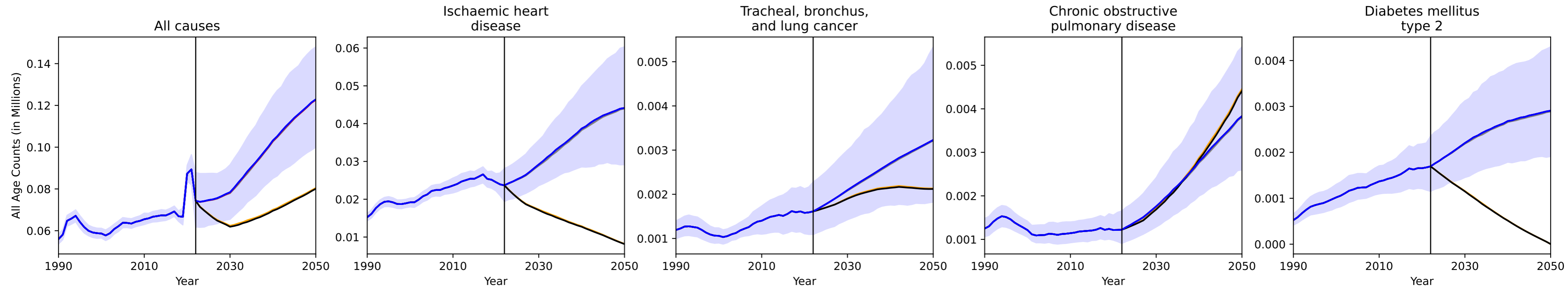
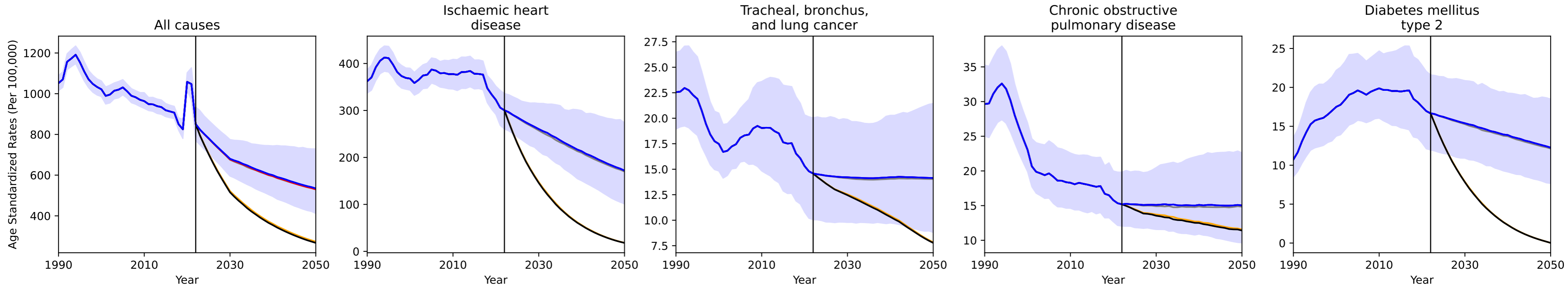
# Western Sub-Saharan Africa



# Armenia



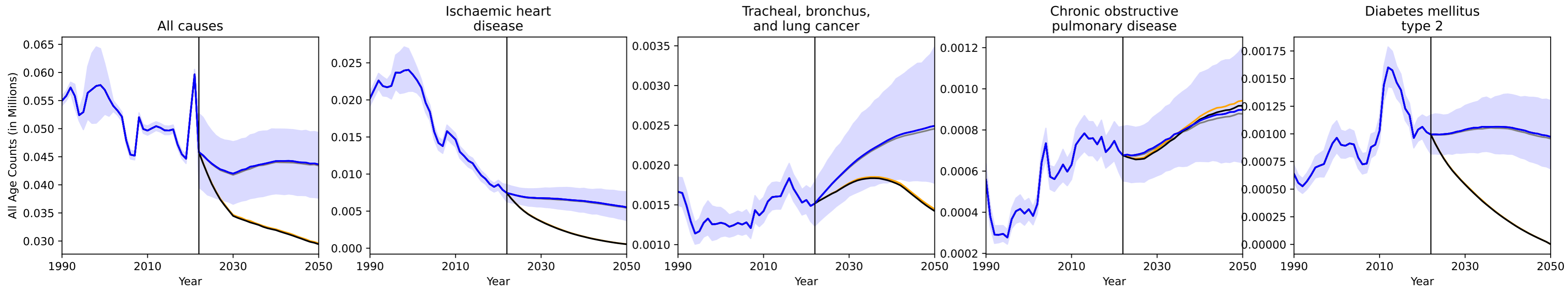
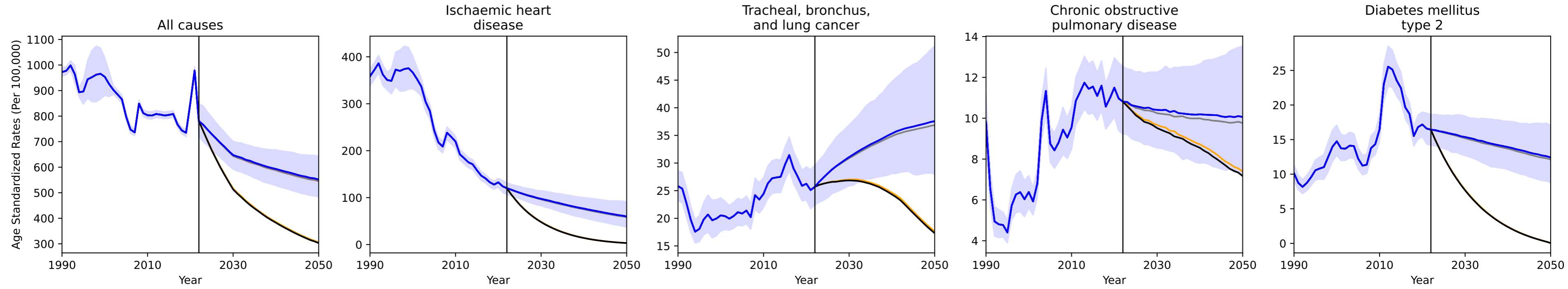
# Azerbaijan



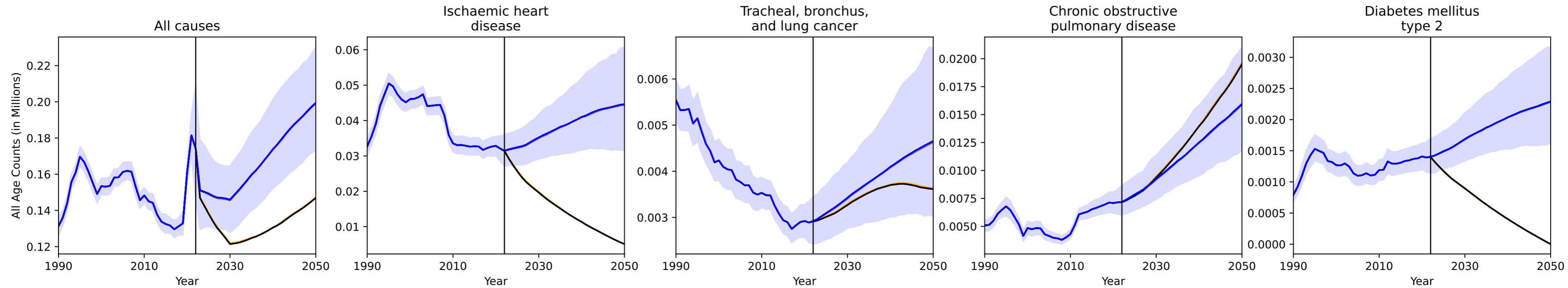
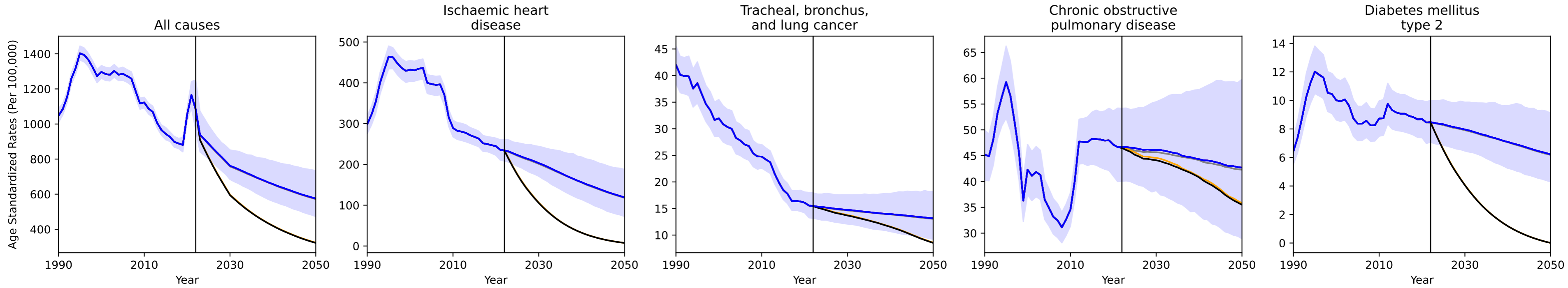
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



# Georgia

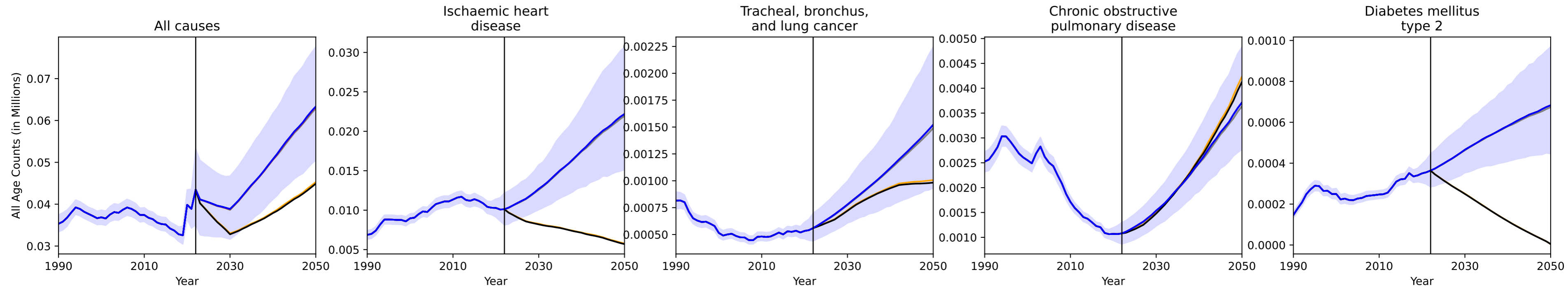
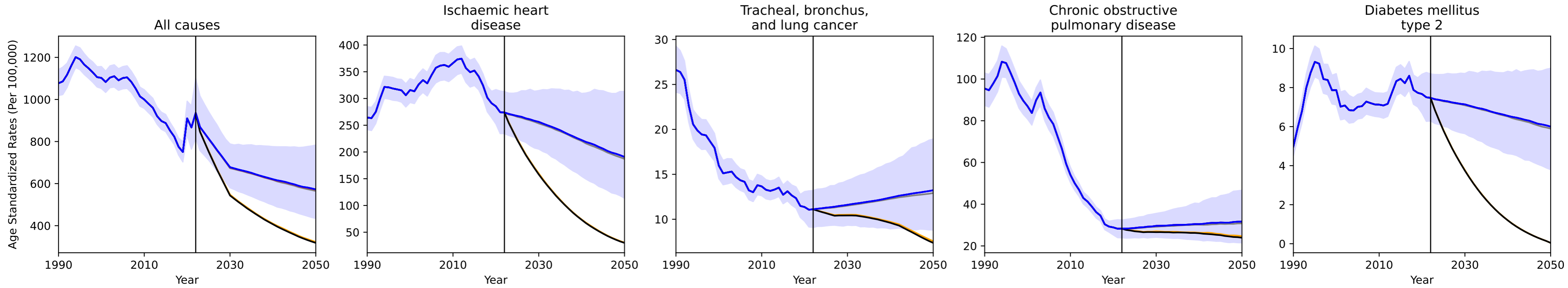


# Kazakhstan

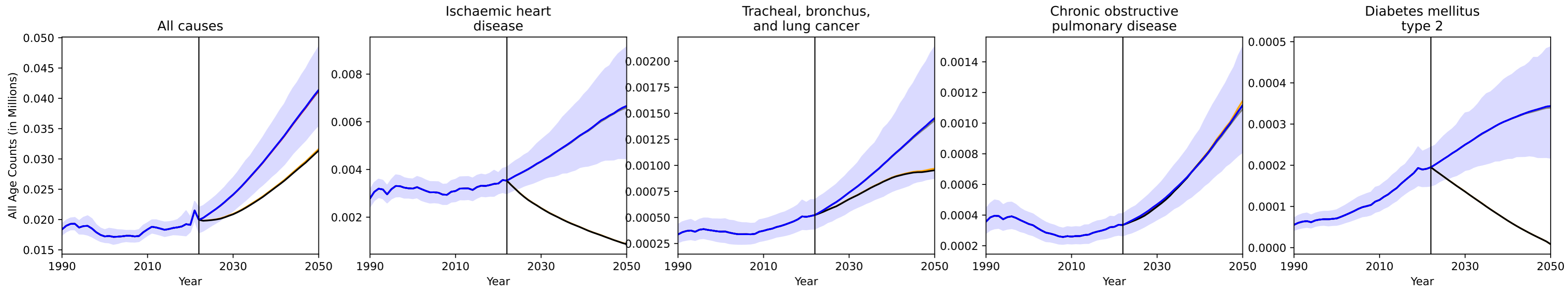
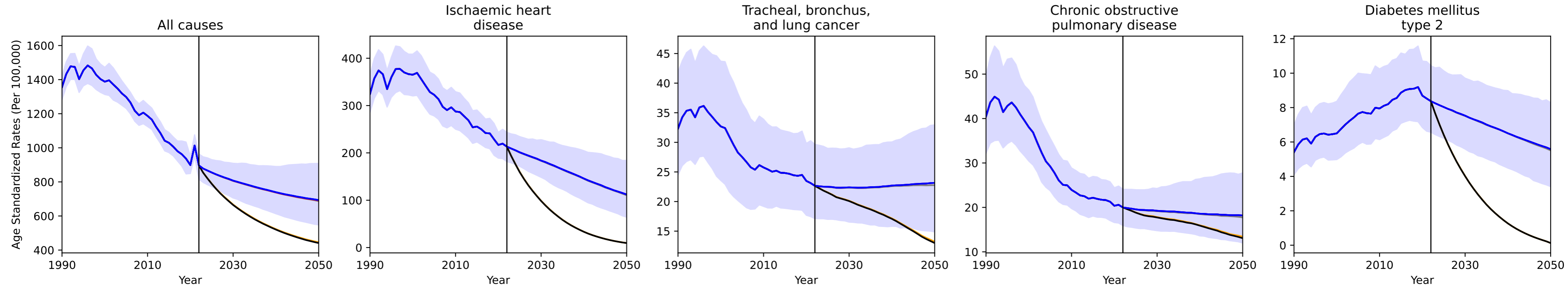


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

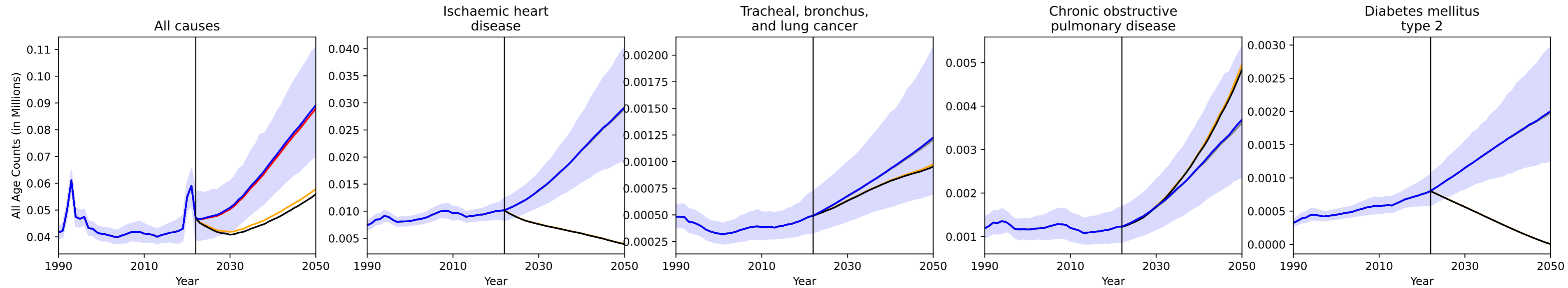
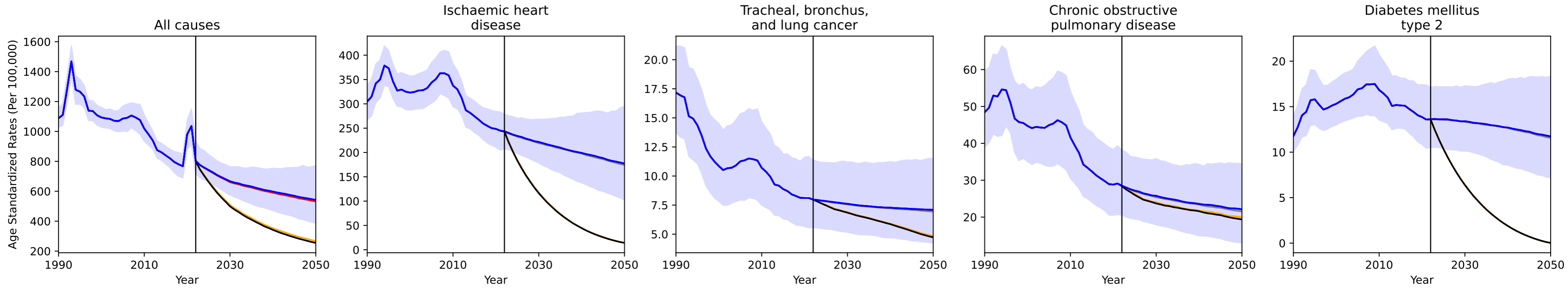
# Kyrgyzstan



# Mongolia

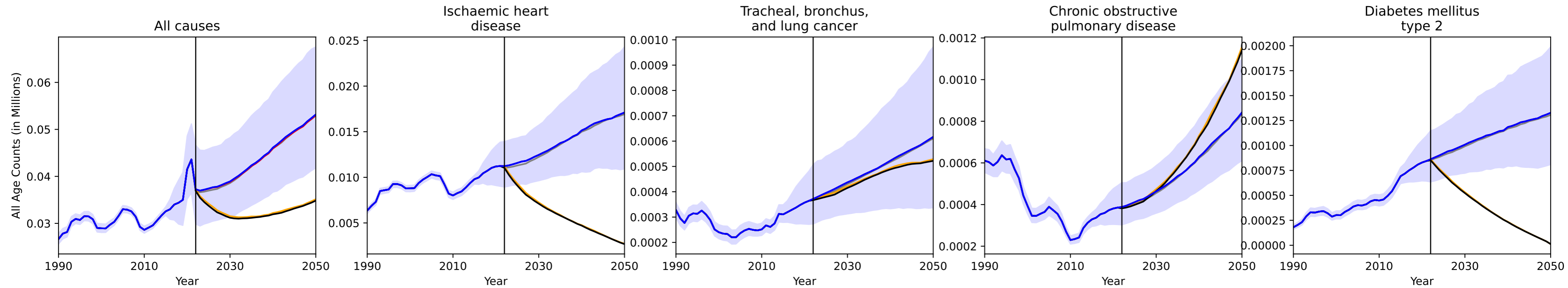
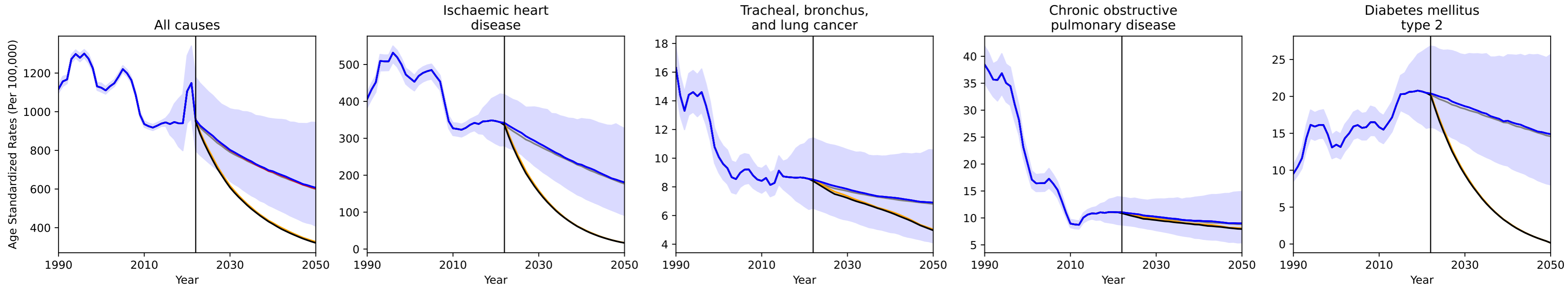


# Tajikistan



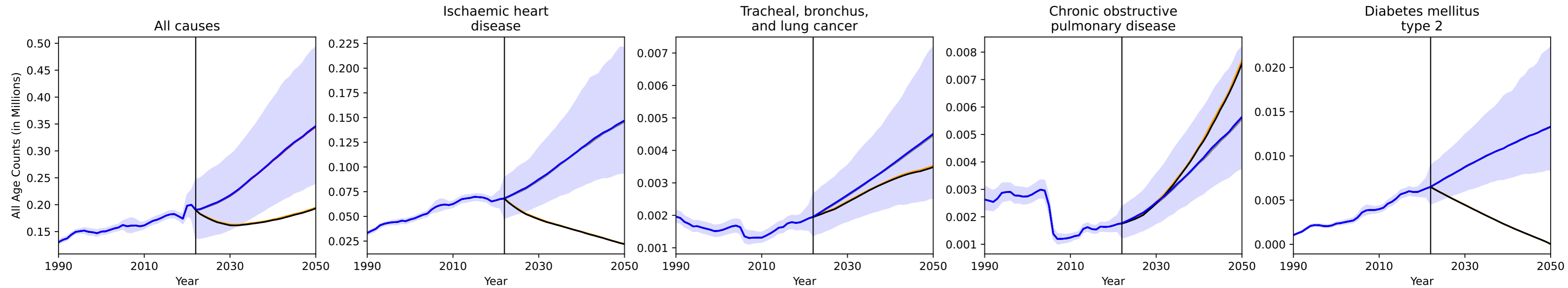
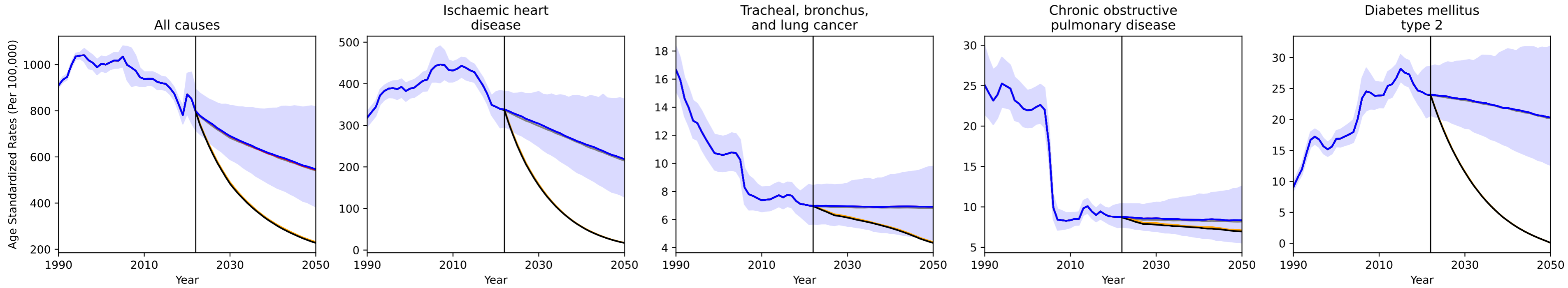
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Turkmenistan



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

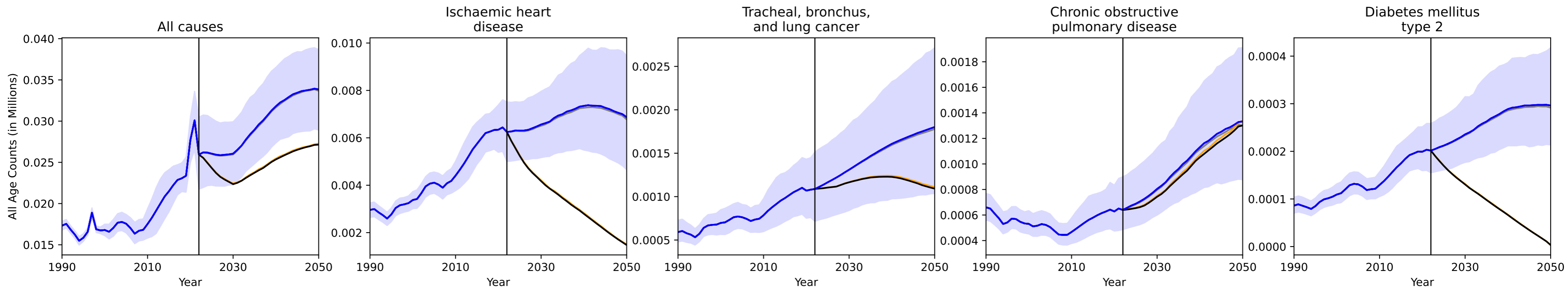
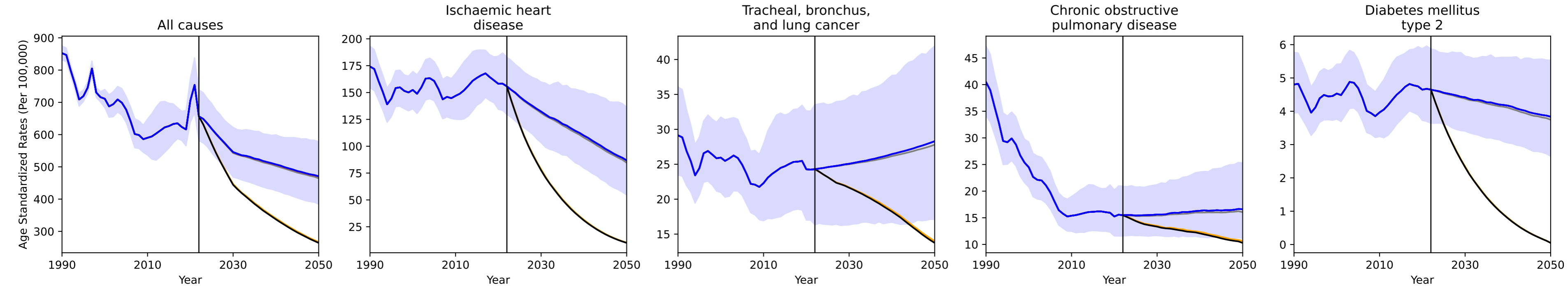
# Uzbekistan



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

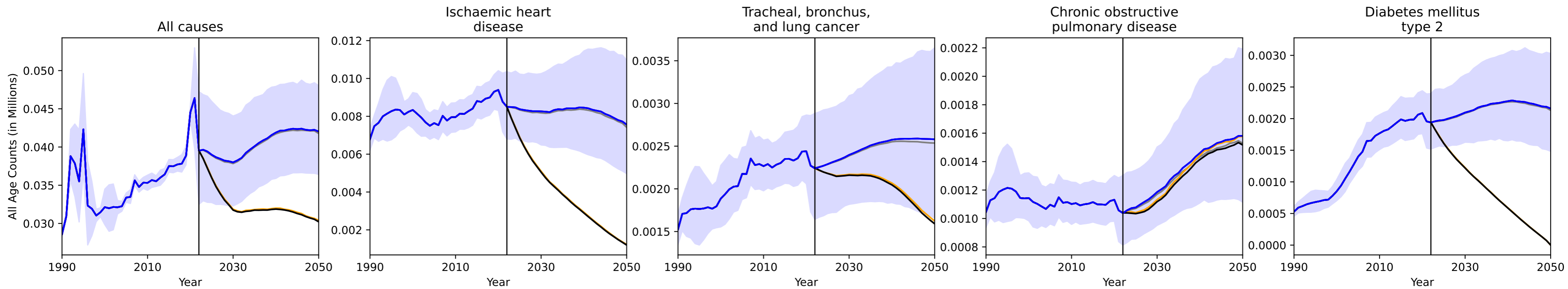
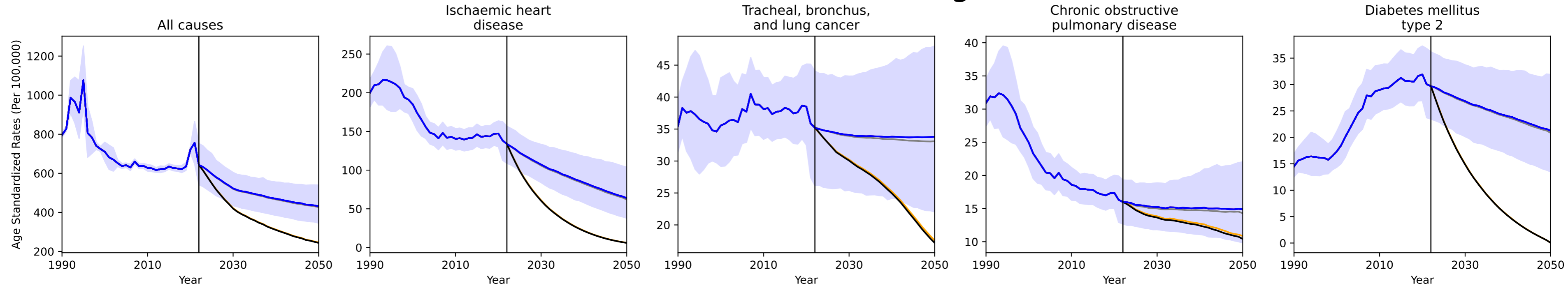
# Albania

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

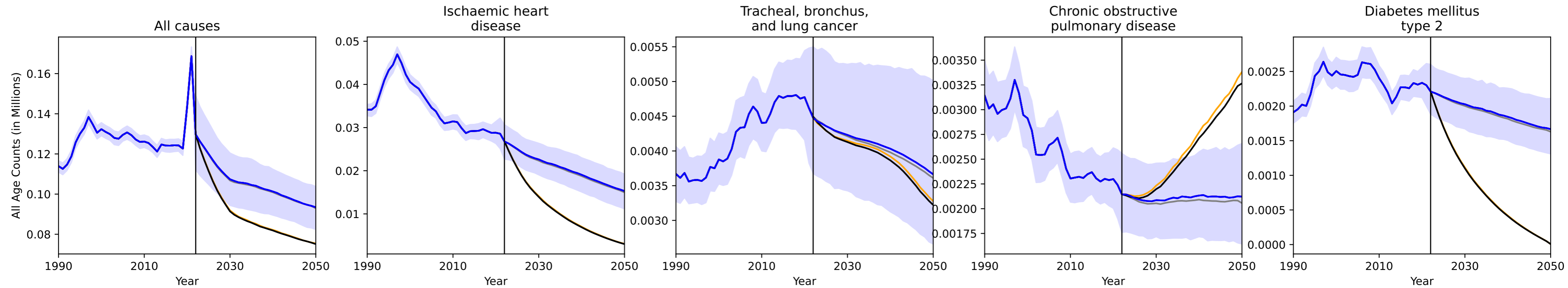
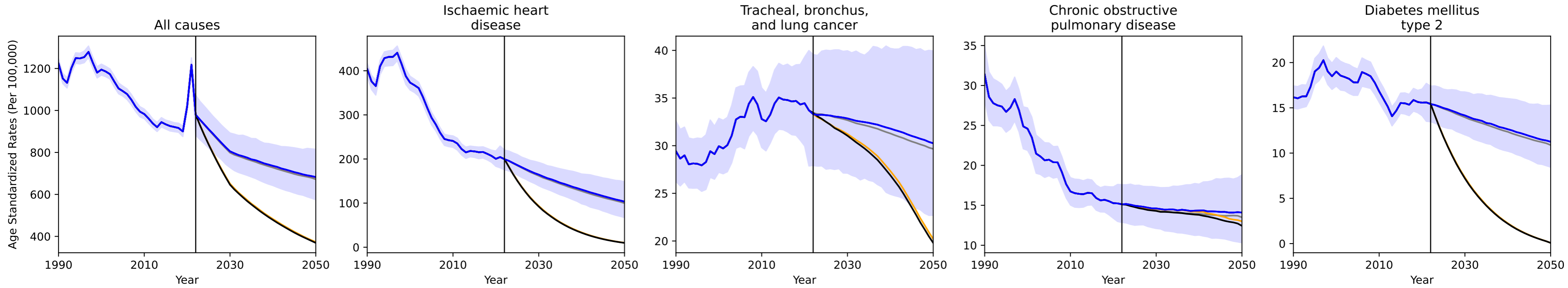




# Bosnia And Herzegovina



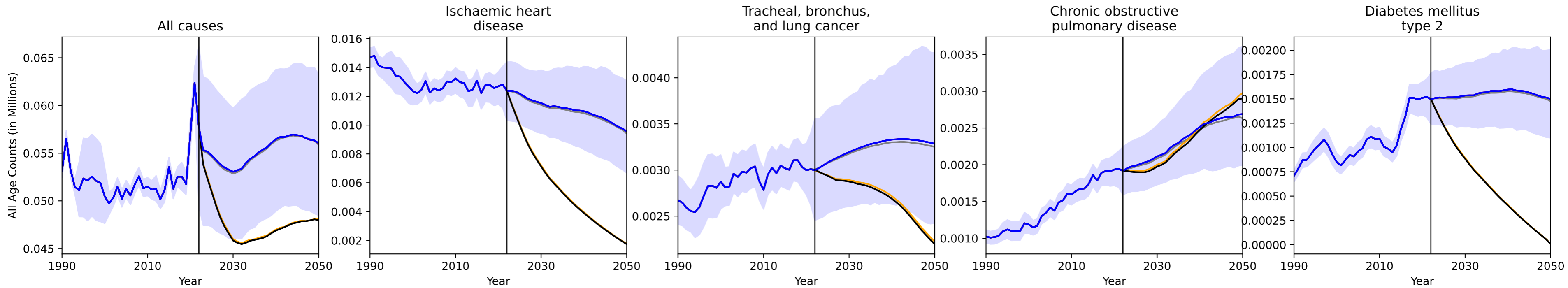
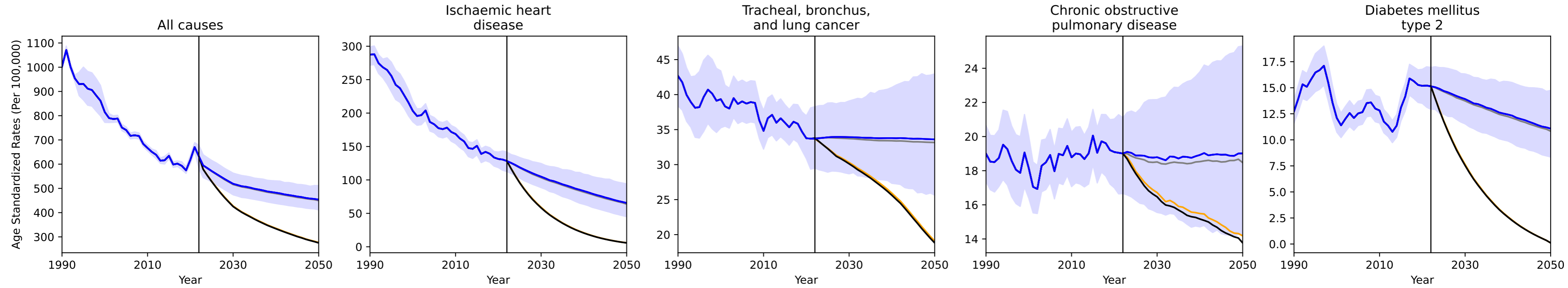
# Bulgaria



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

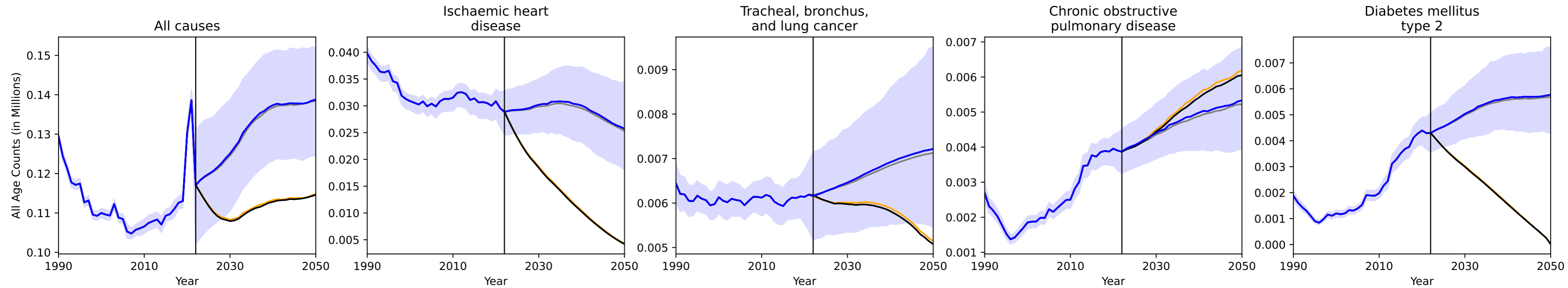
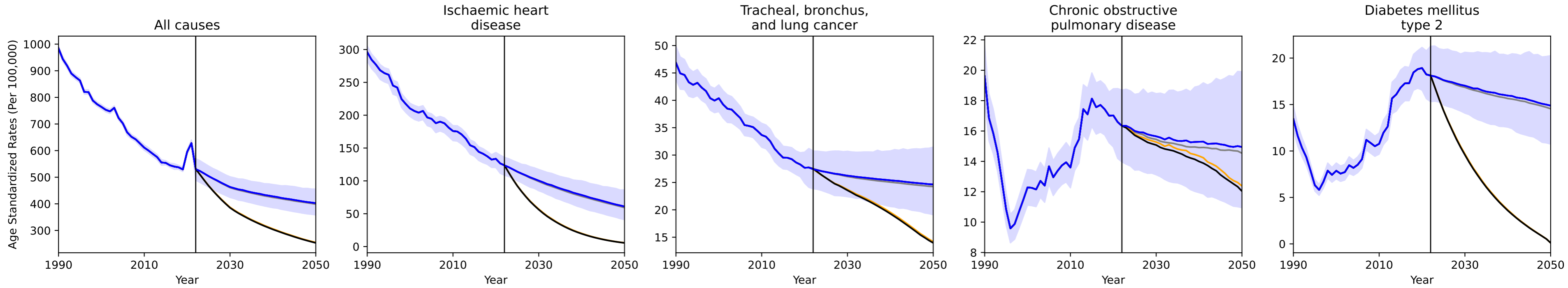
# Croatia

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



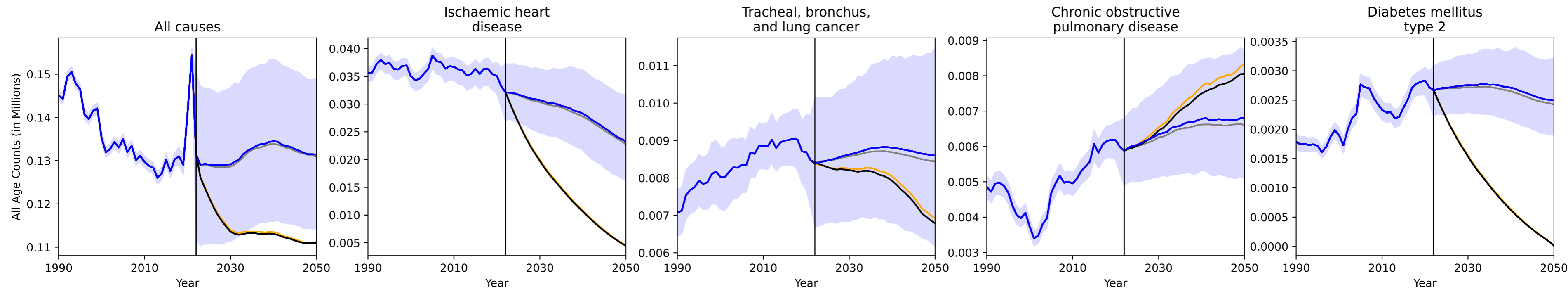
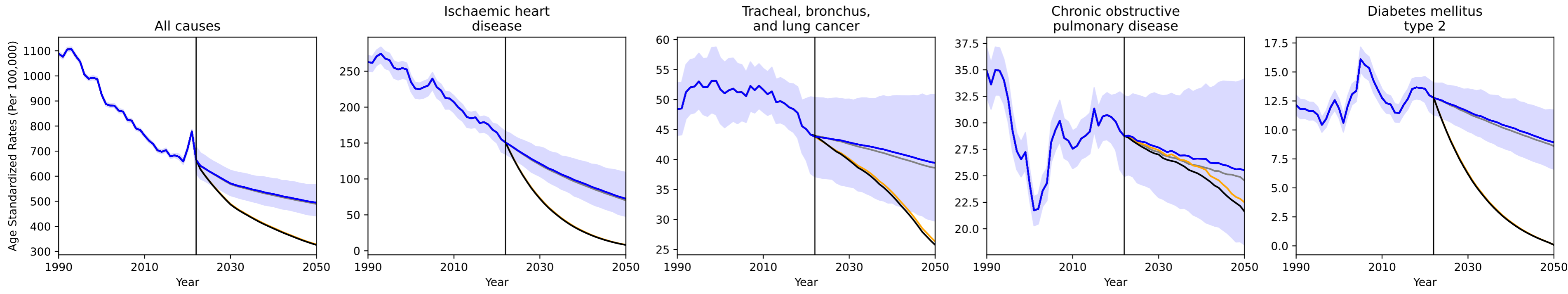
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

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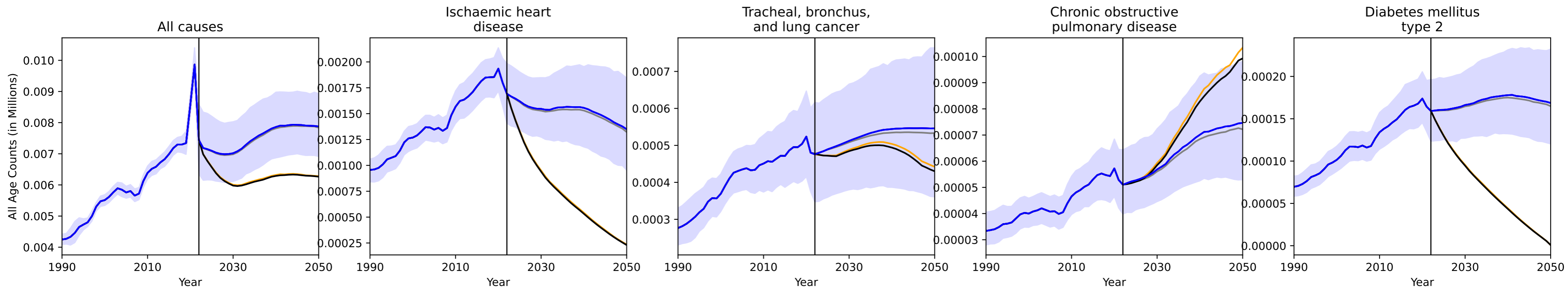
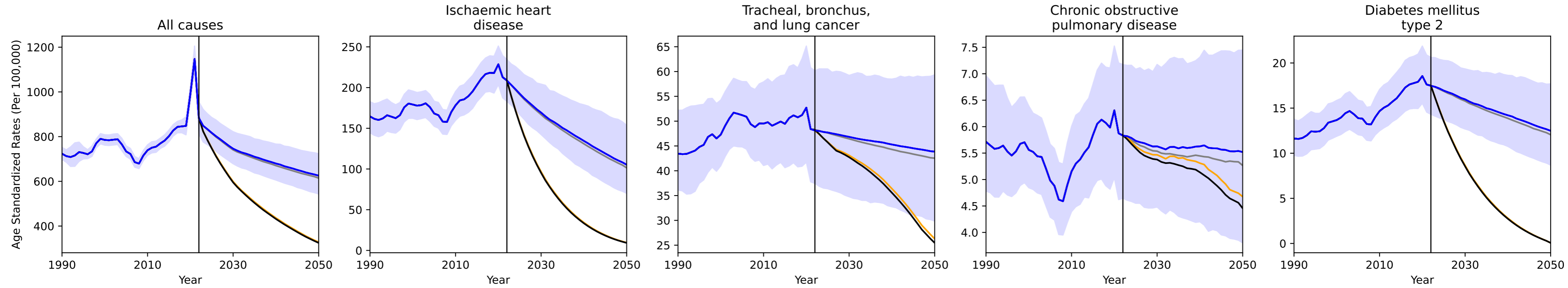


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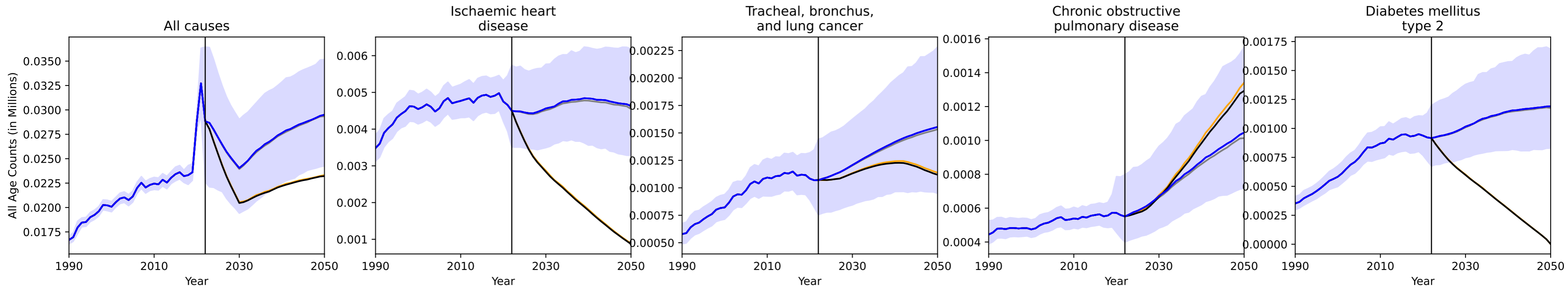
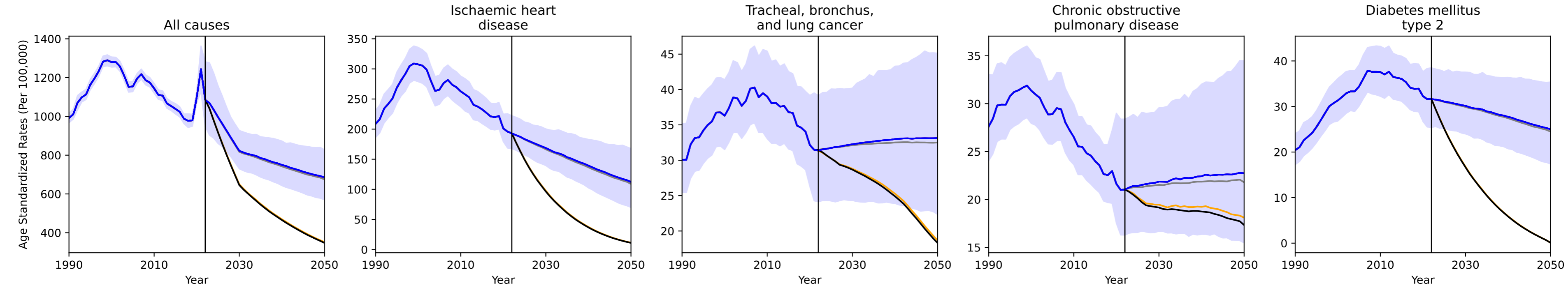
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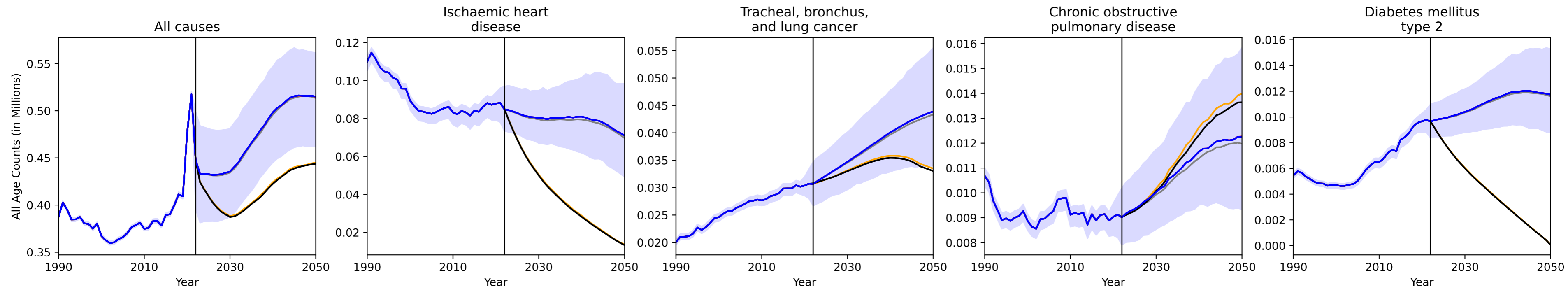
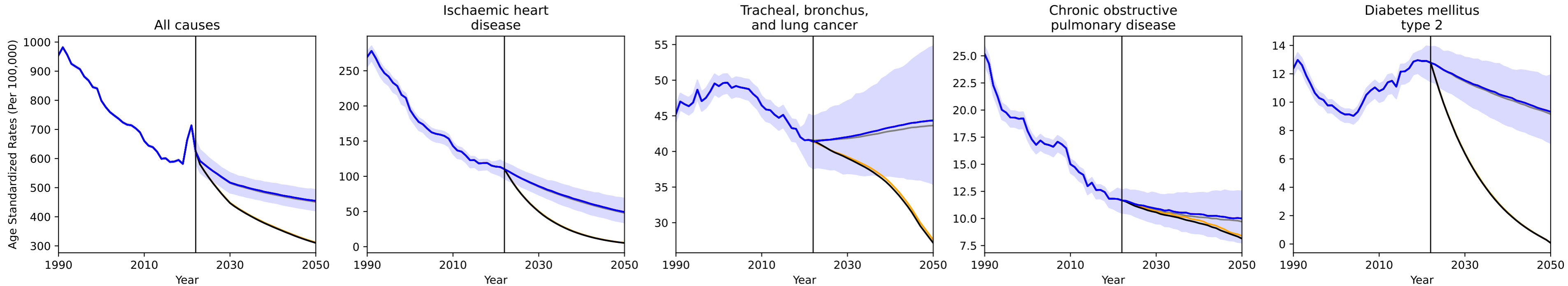
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# North Macedonia



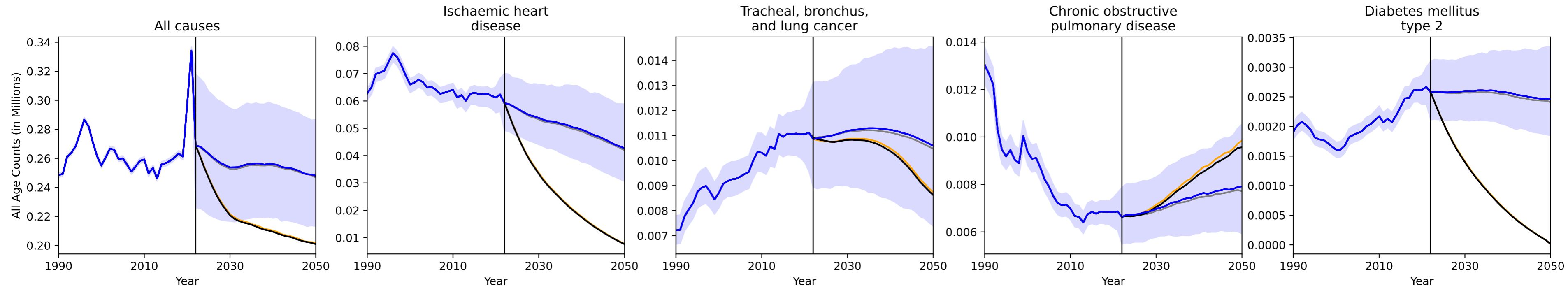
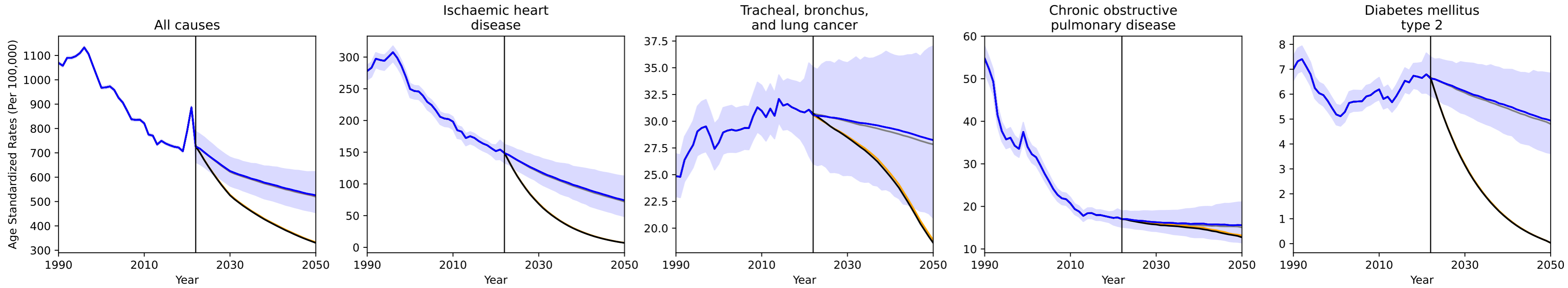
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— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

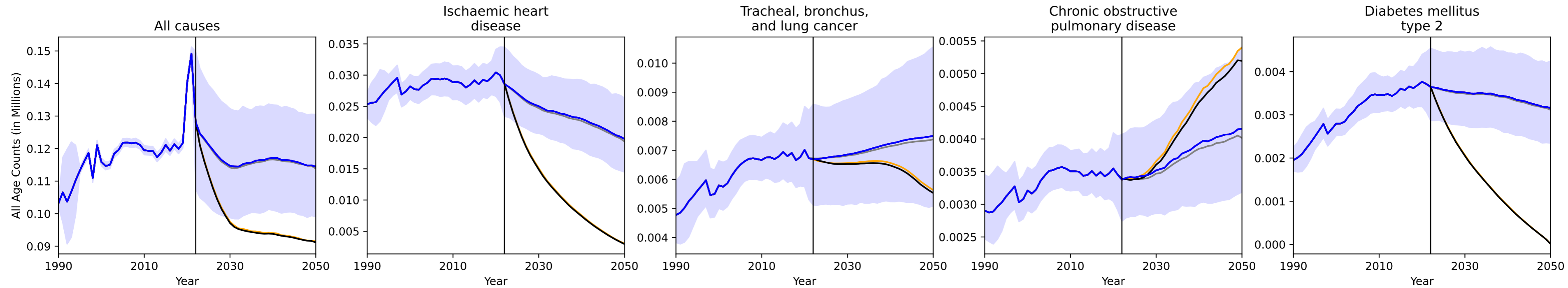
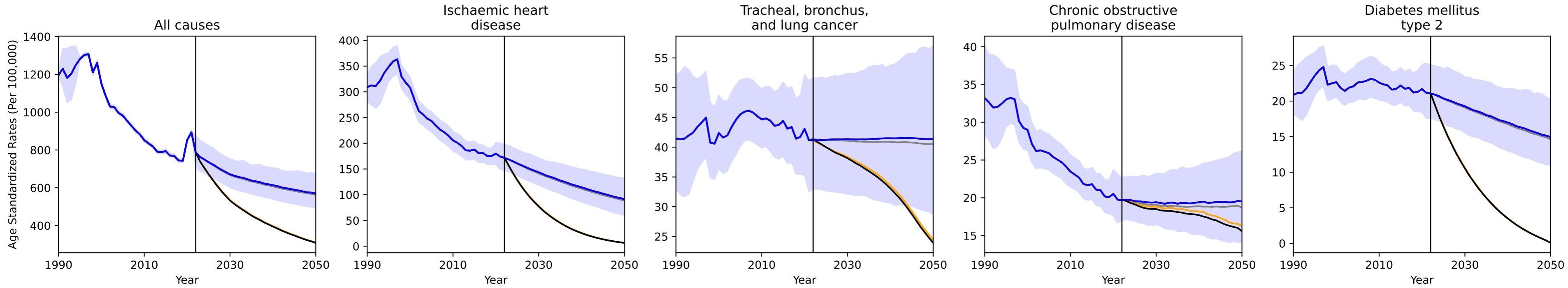


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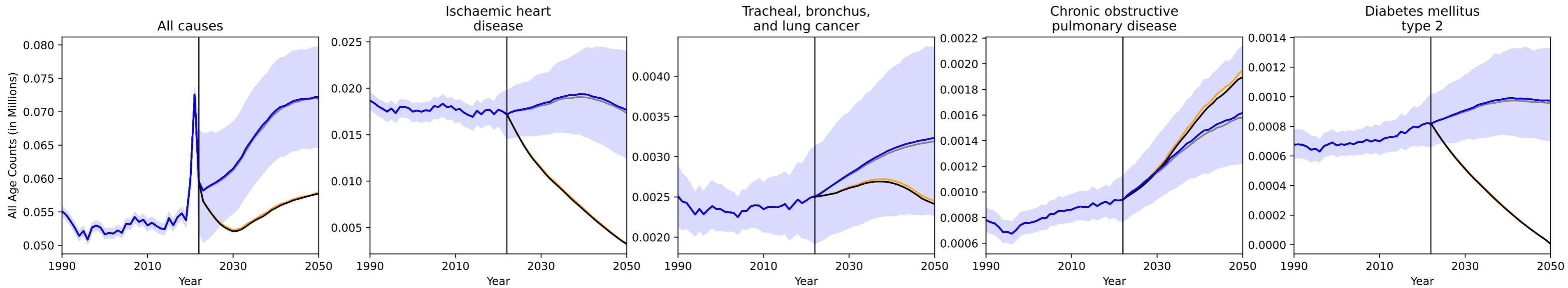
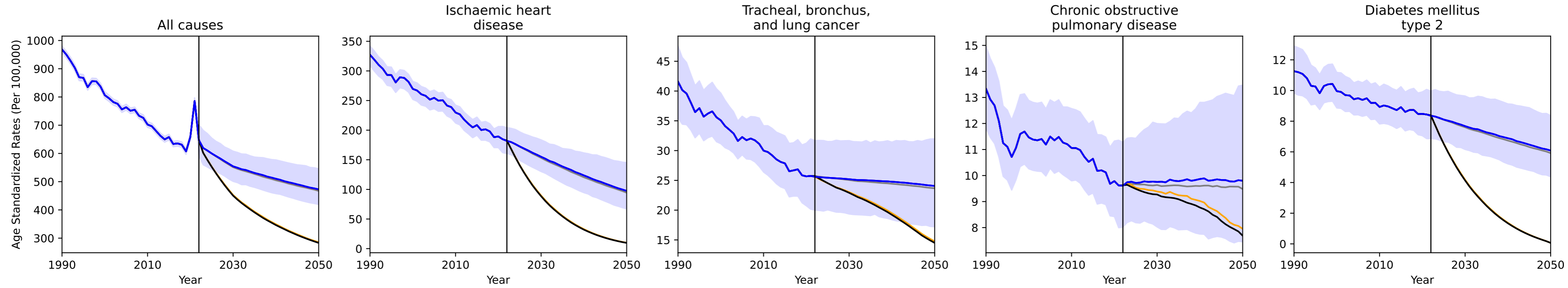


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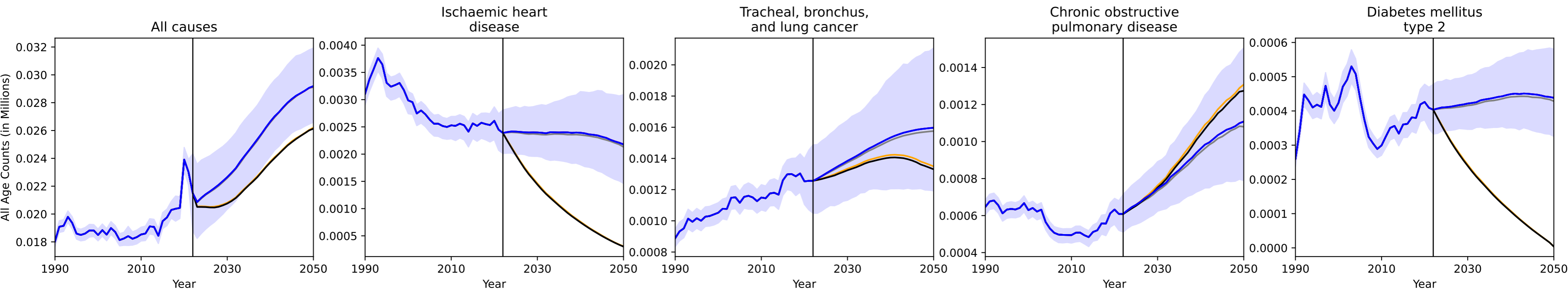
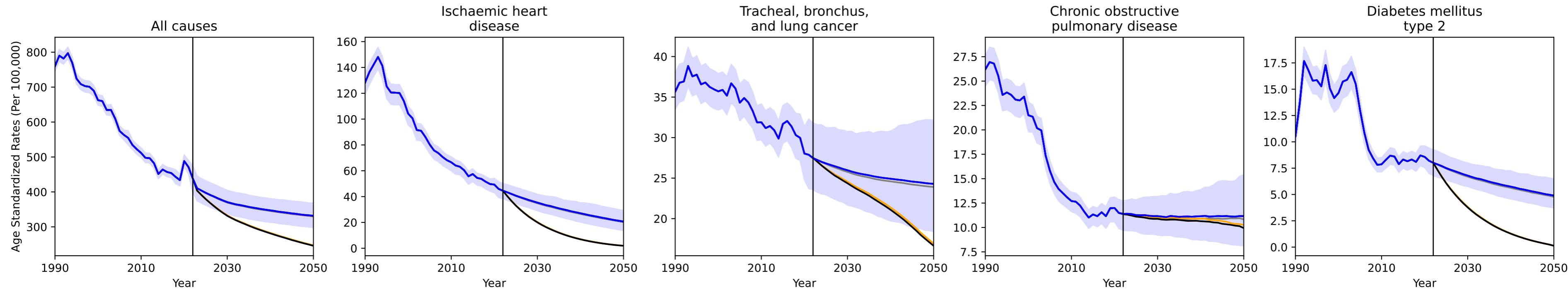


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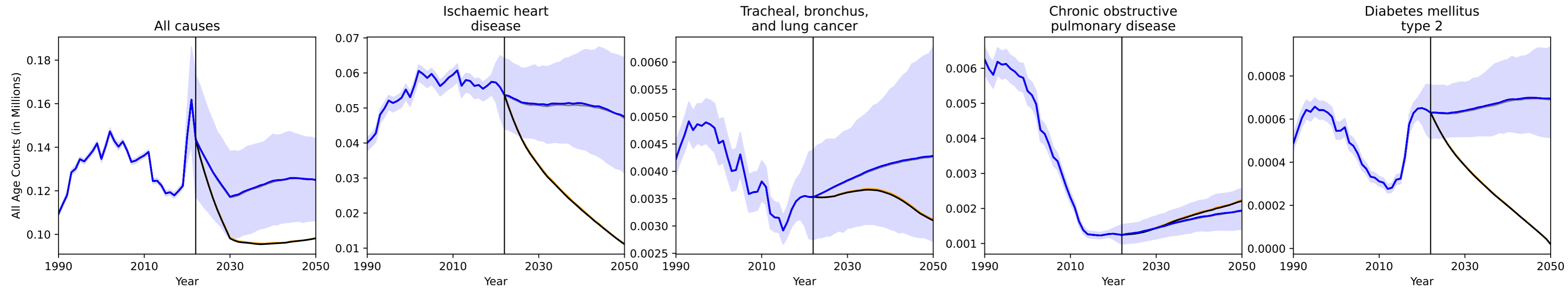
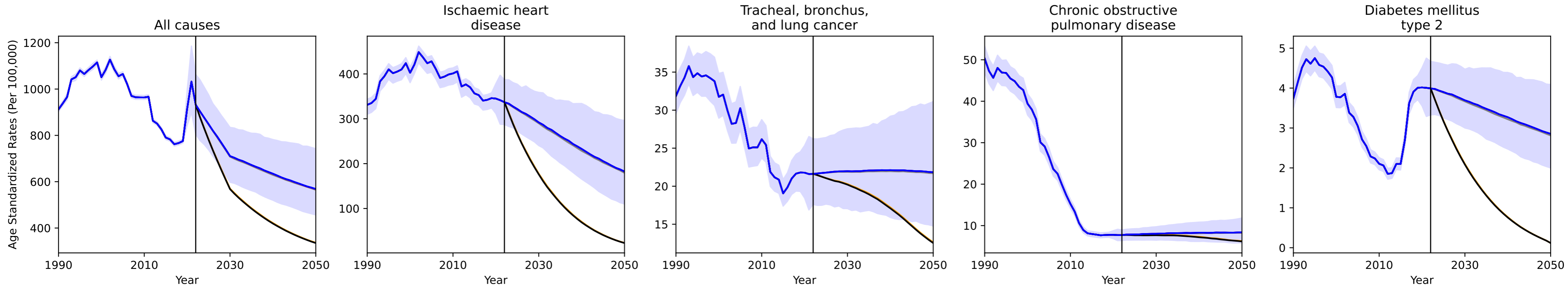


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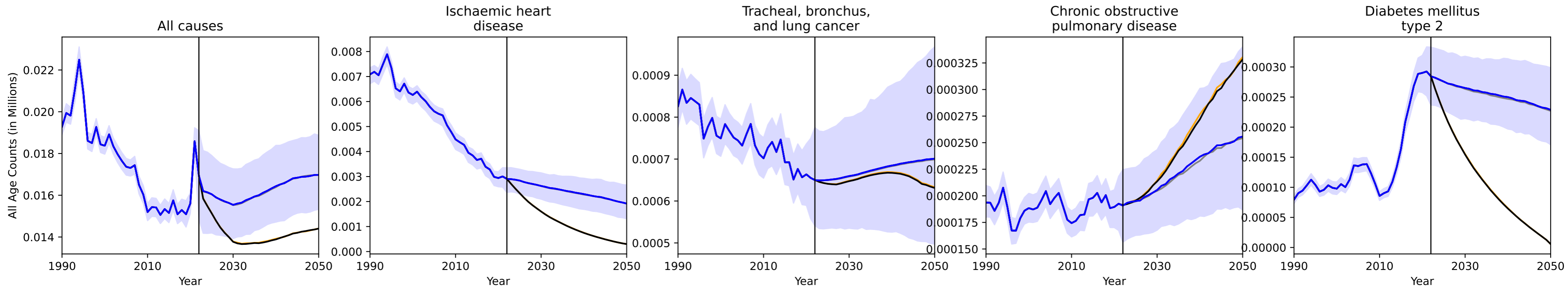
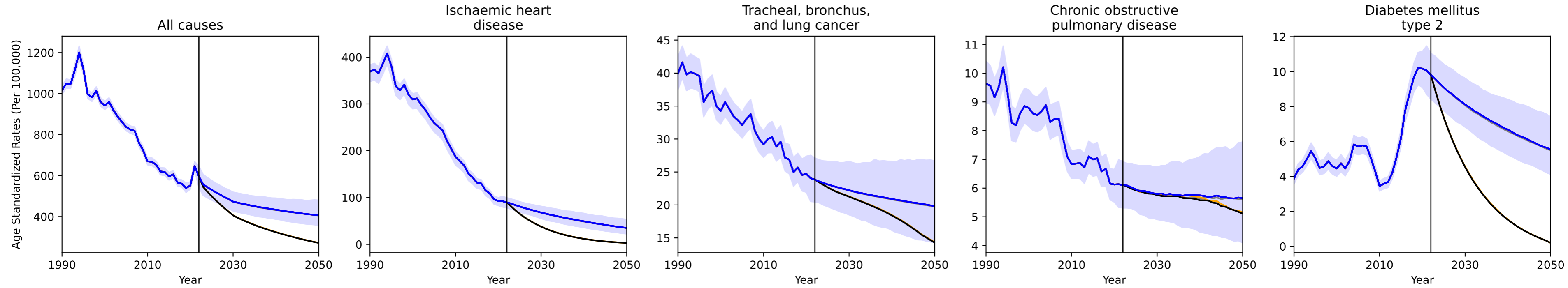


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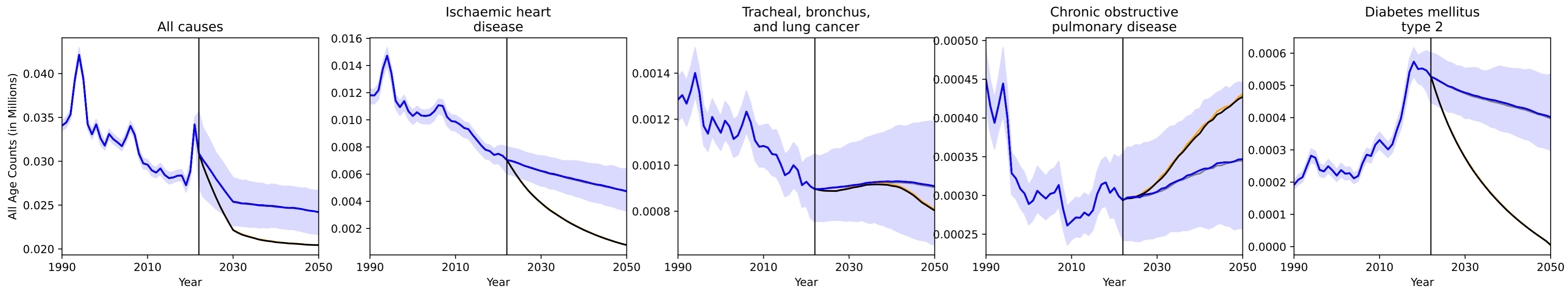
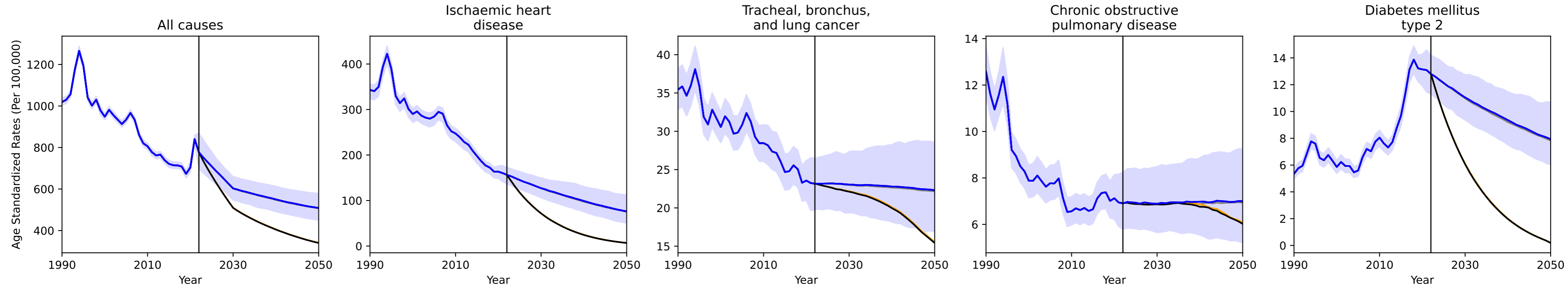


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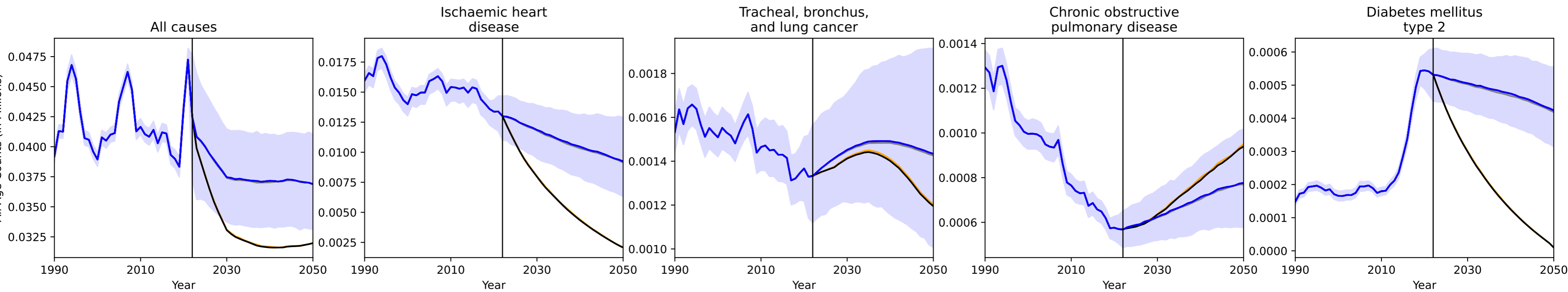
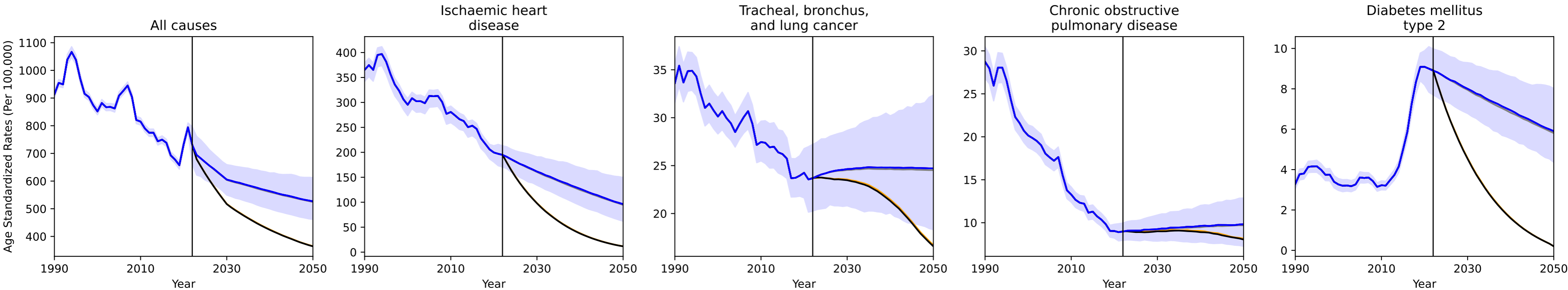
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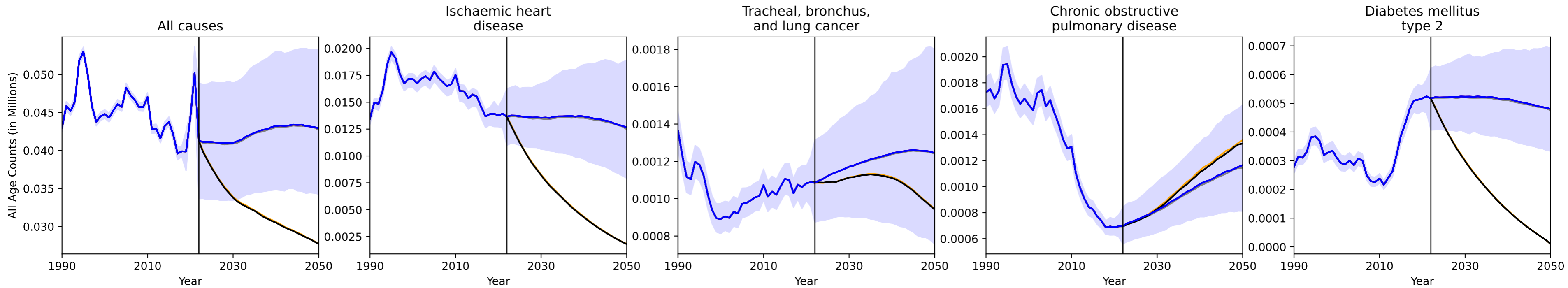
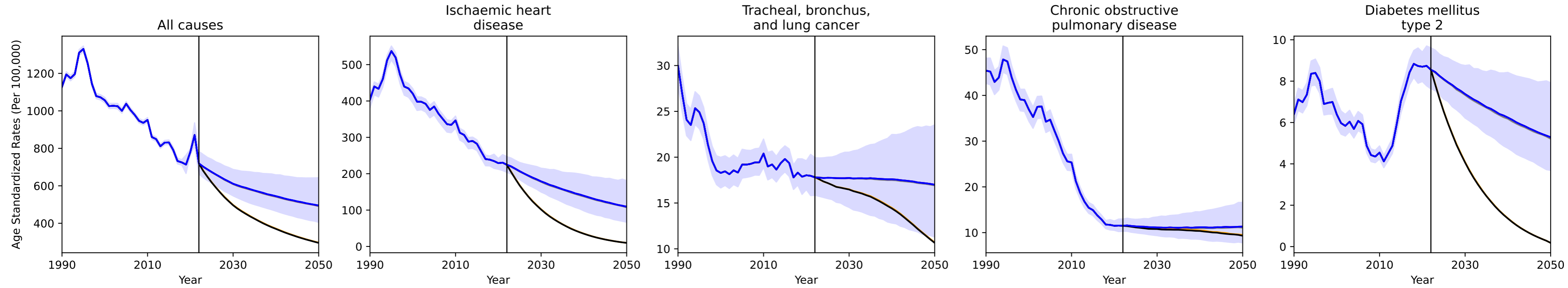


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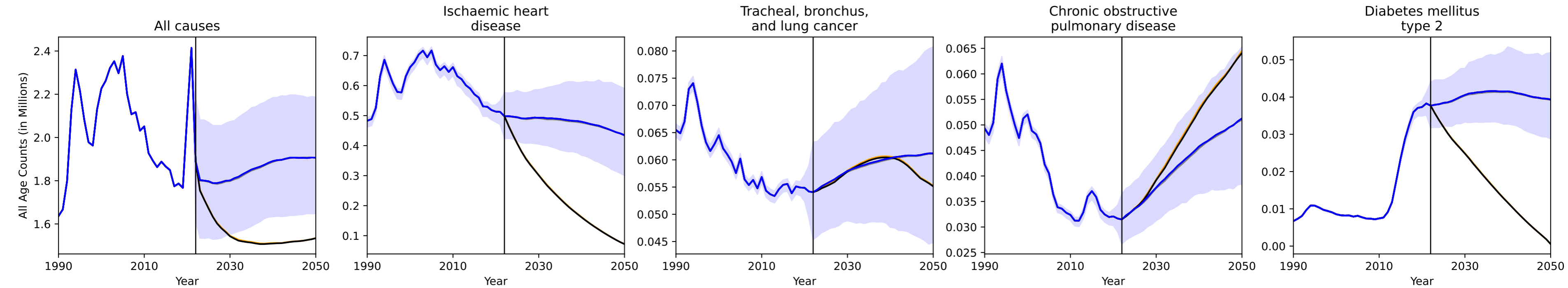
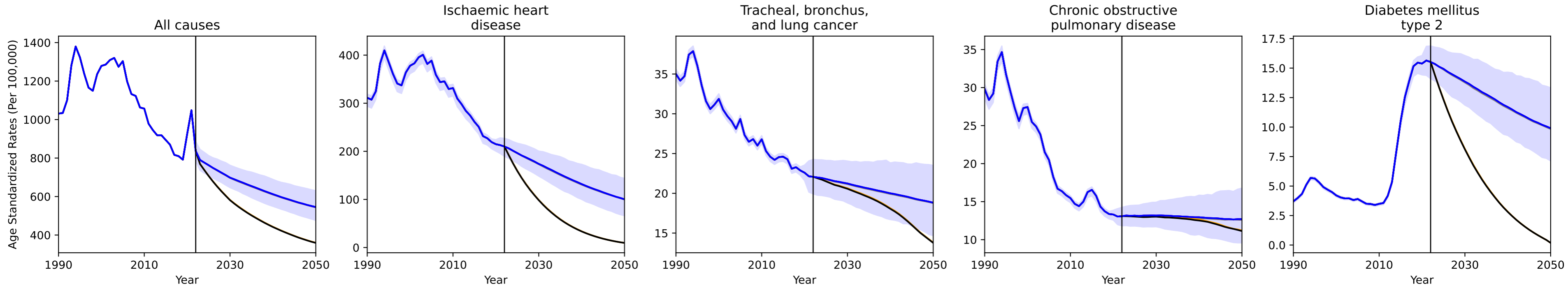




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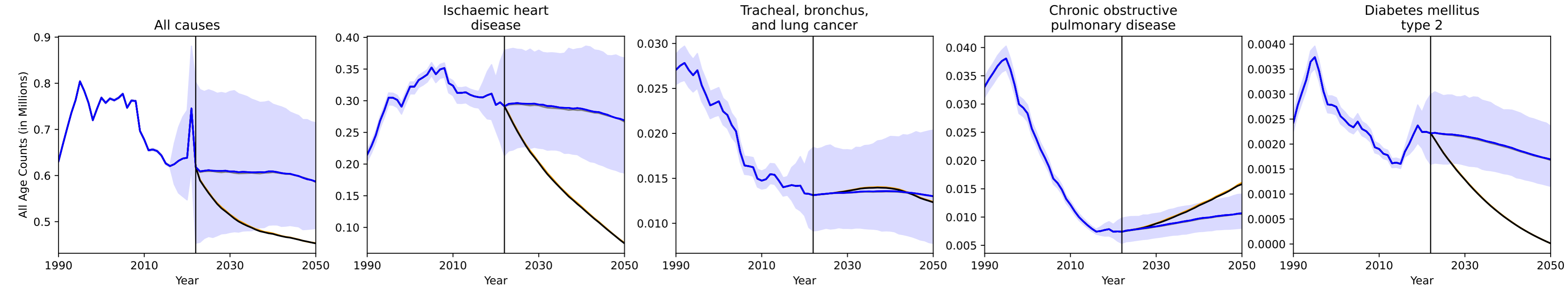
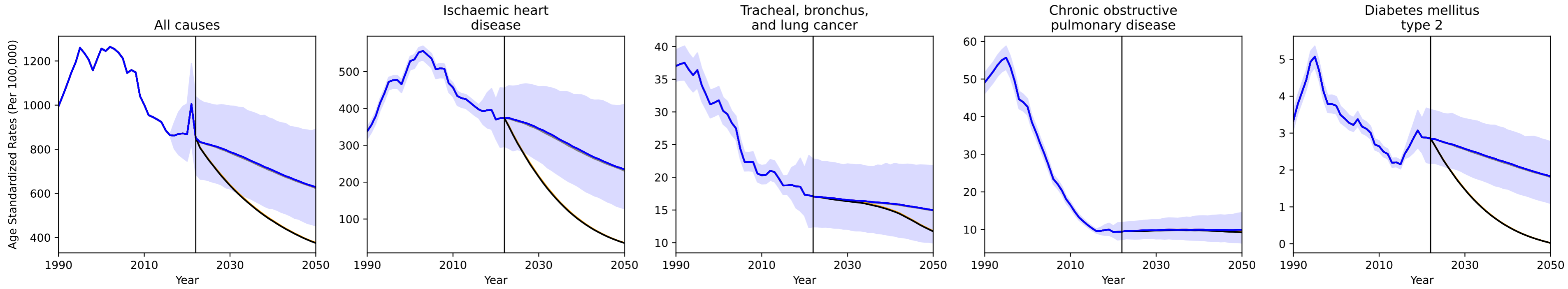


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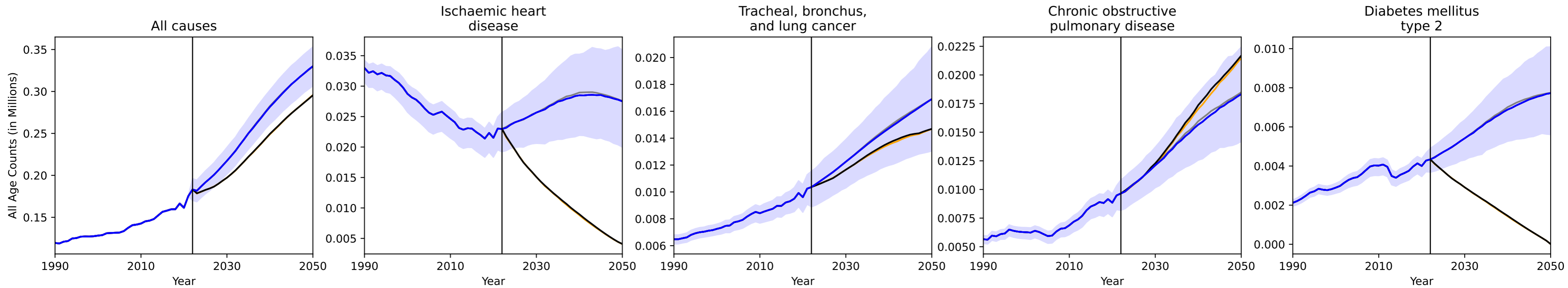
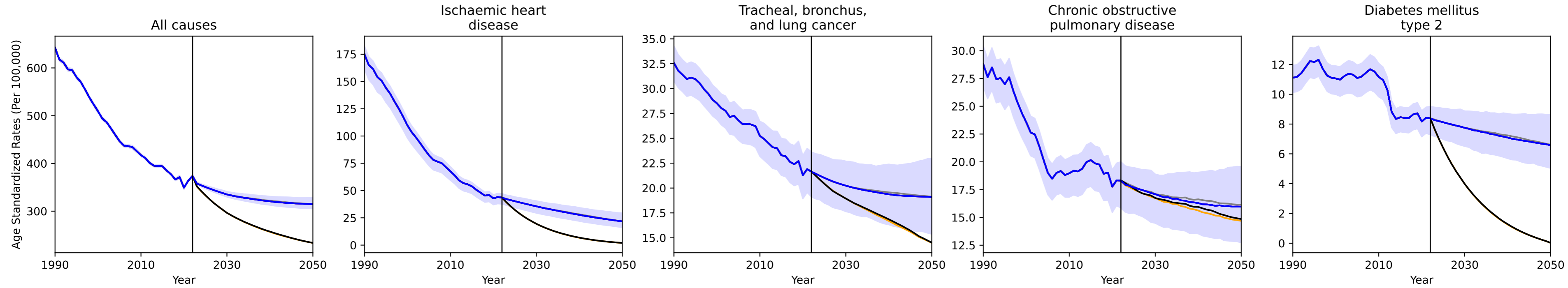
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

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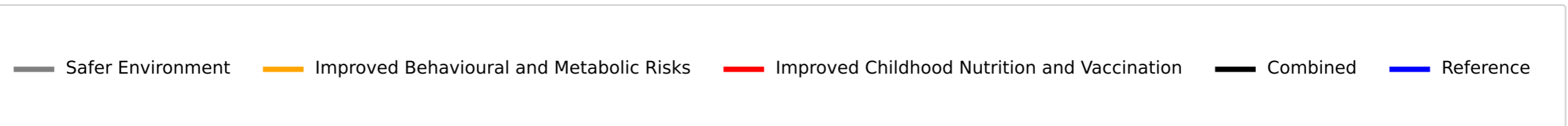
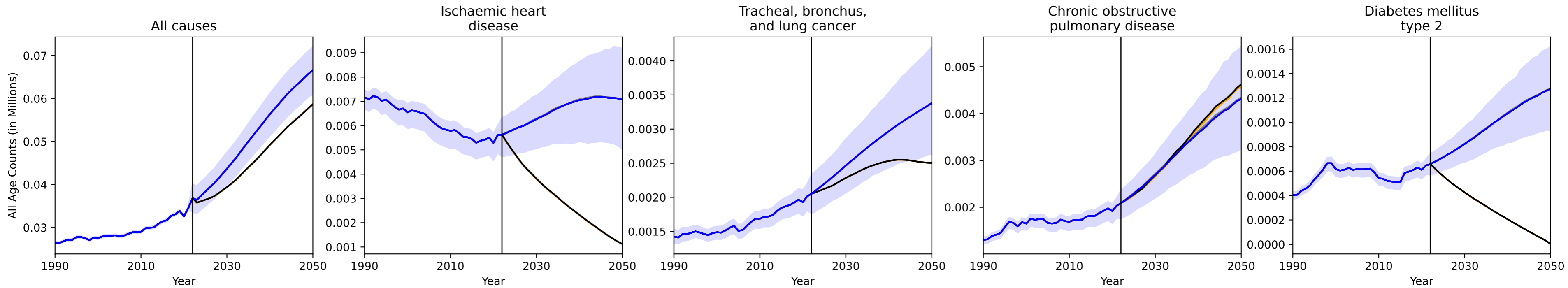
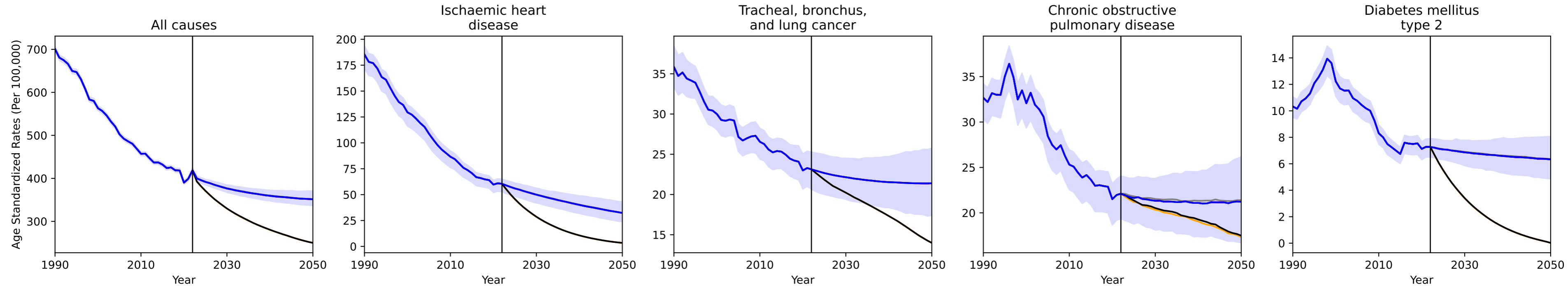


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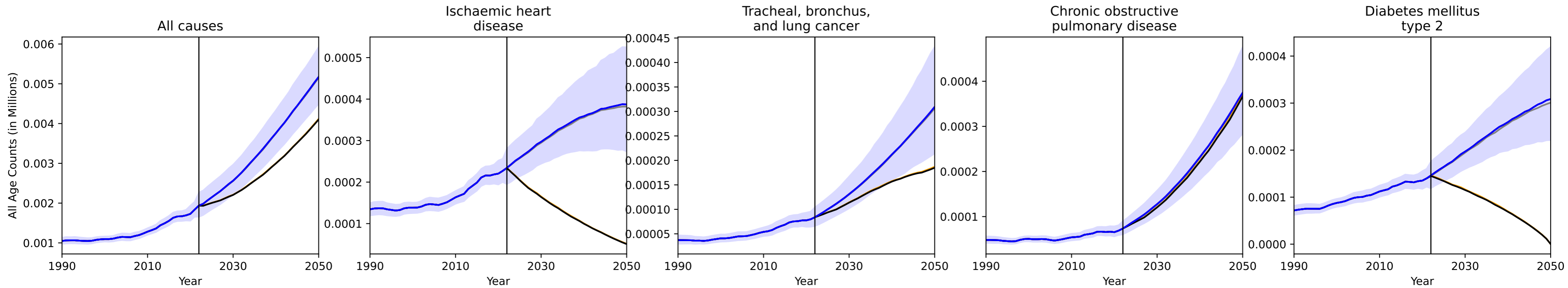
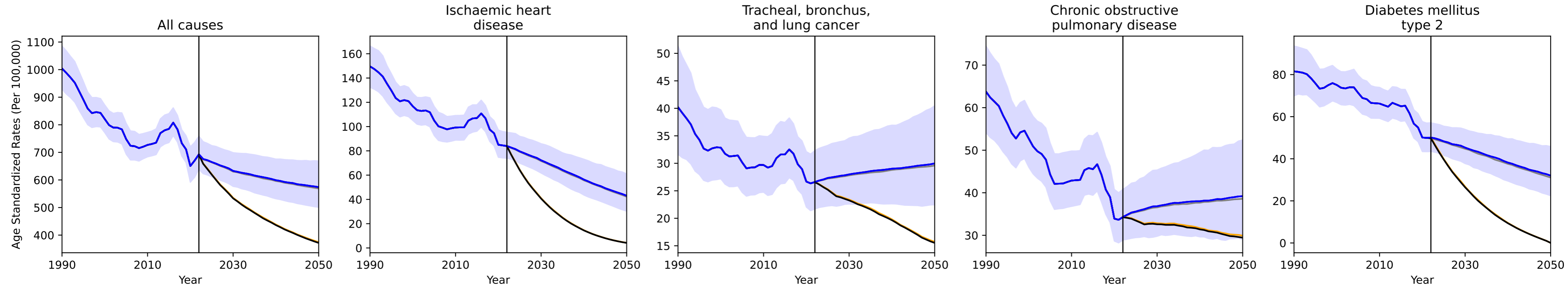
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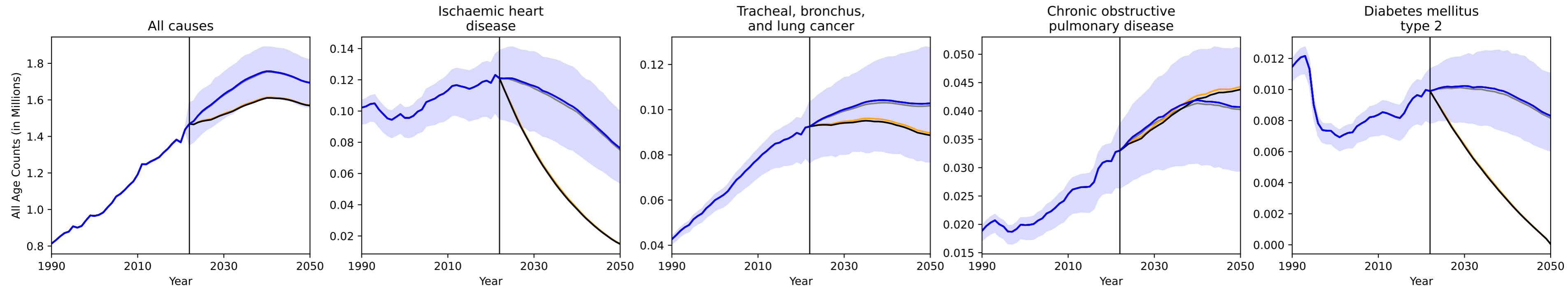
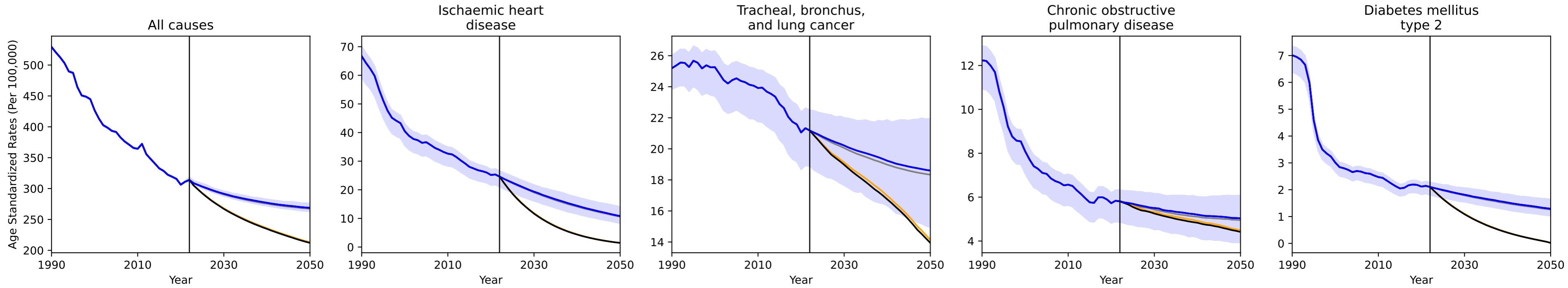
# New Zealand



# Brunei



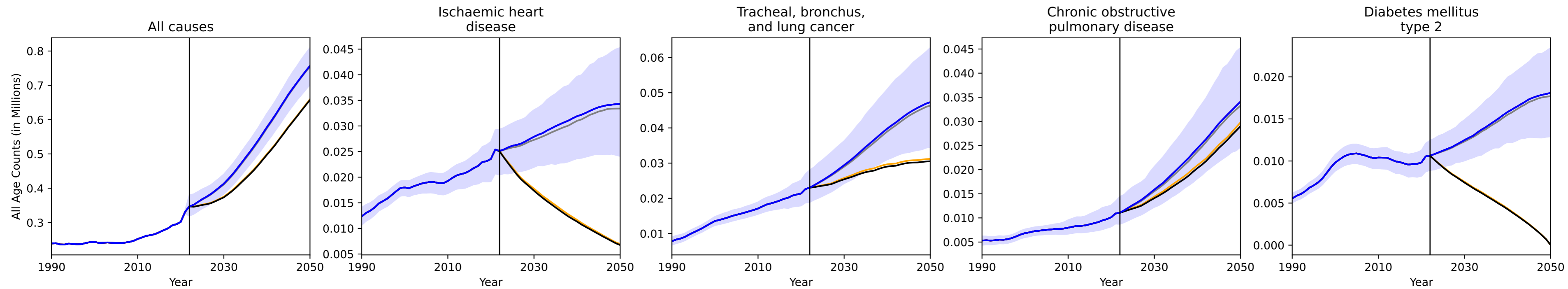
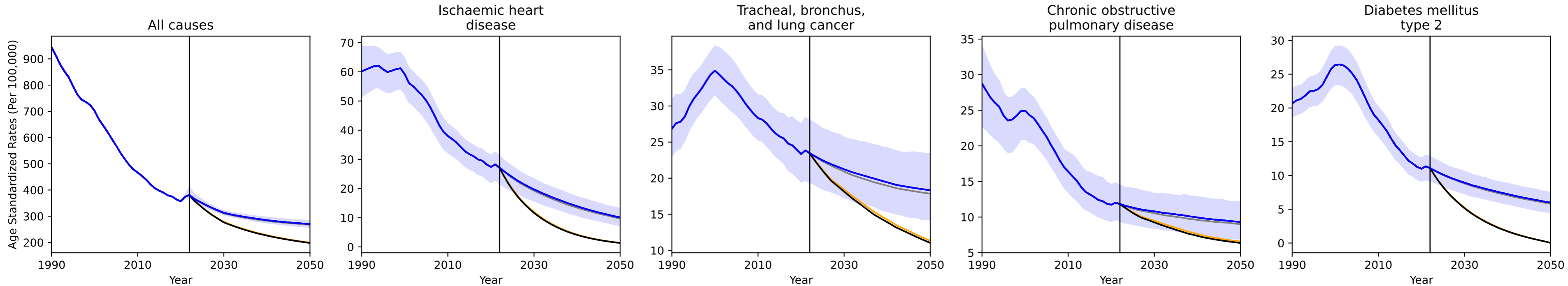
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— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

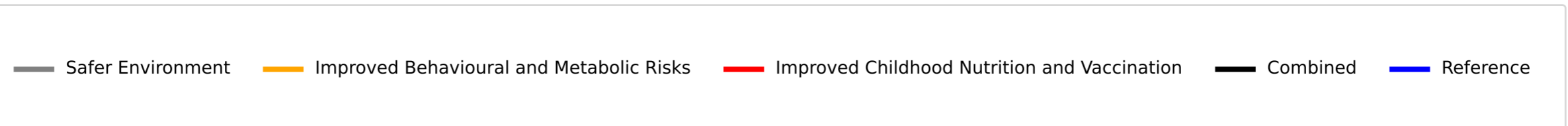
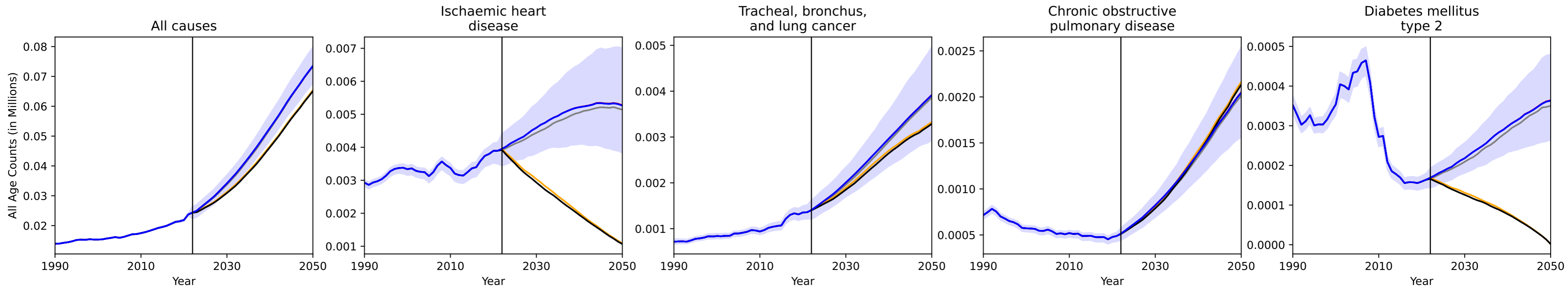
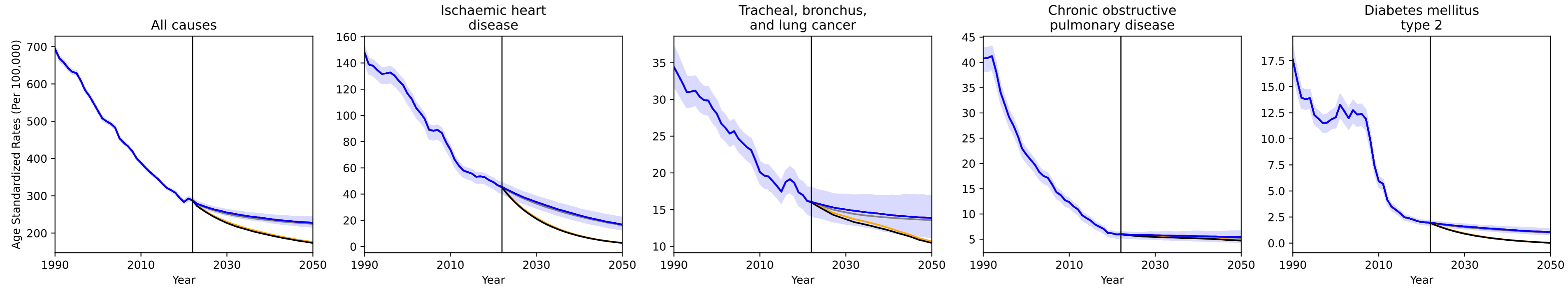
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Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

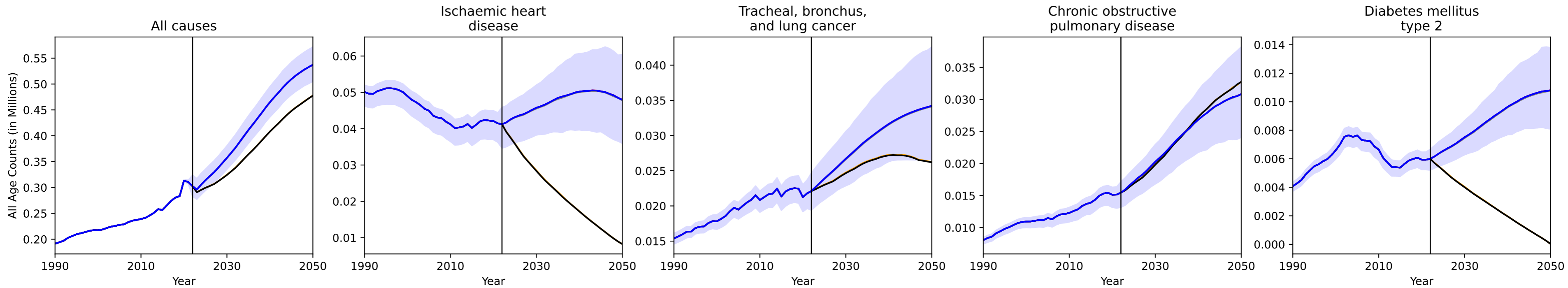
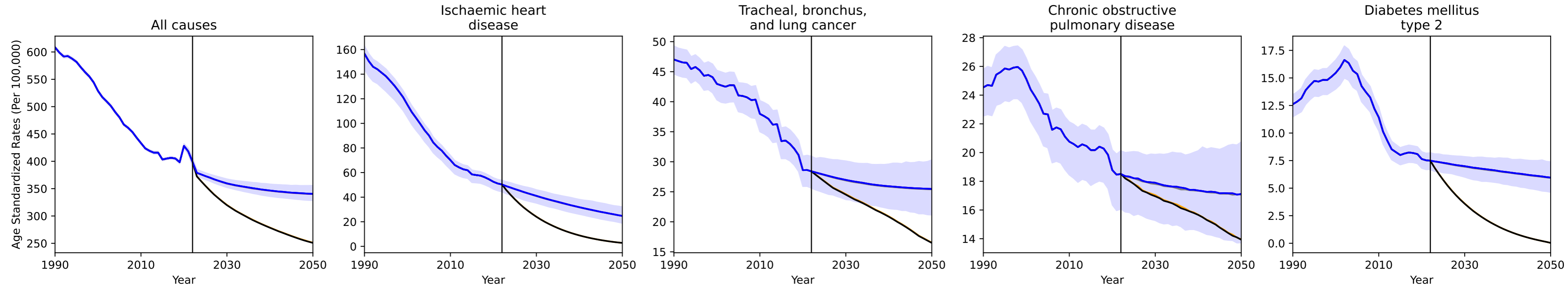




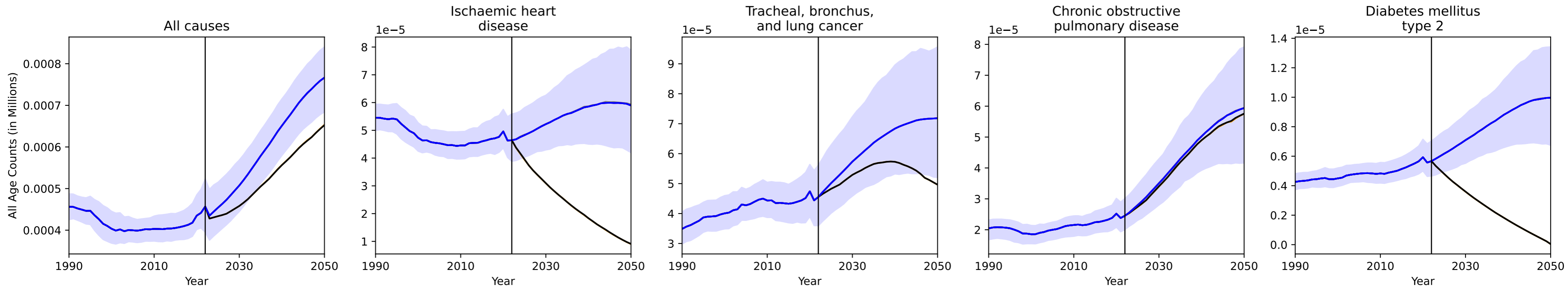
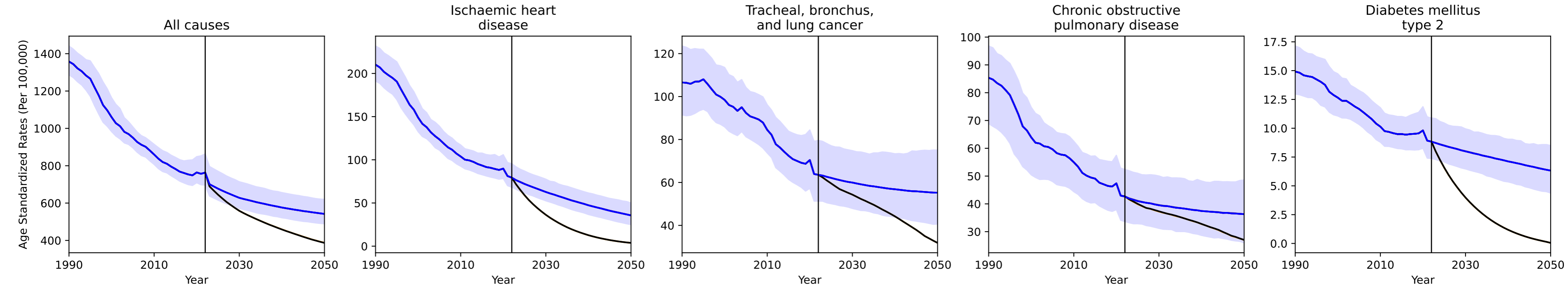
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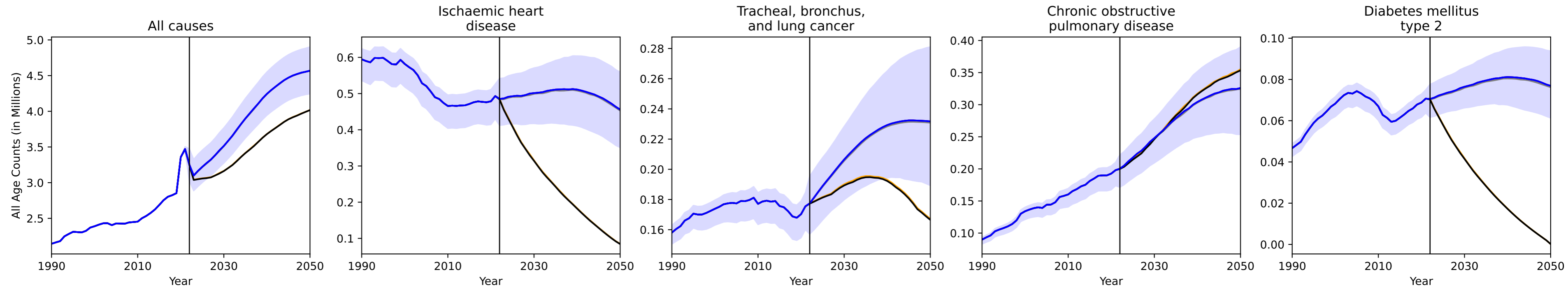
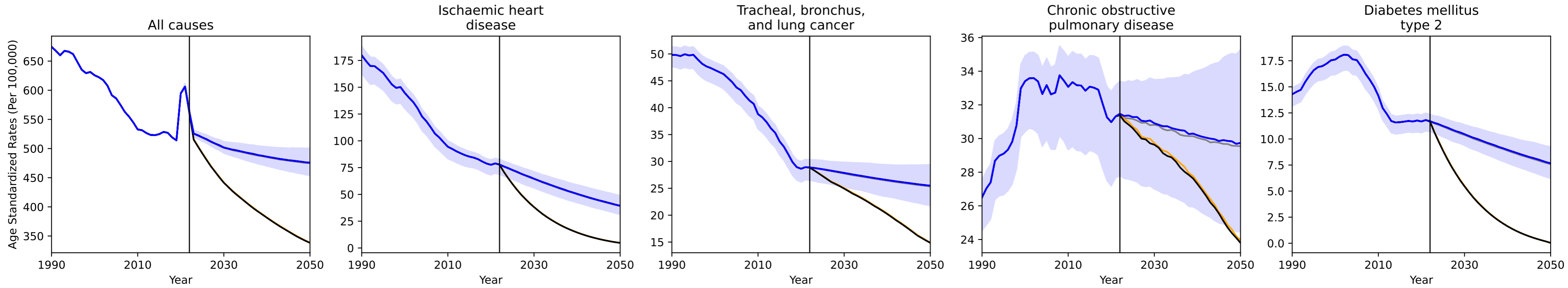
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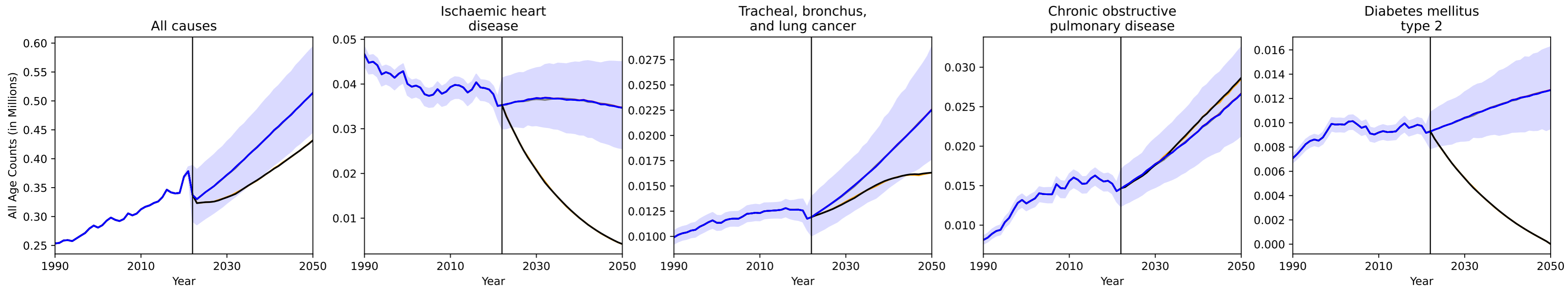
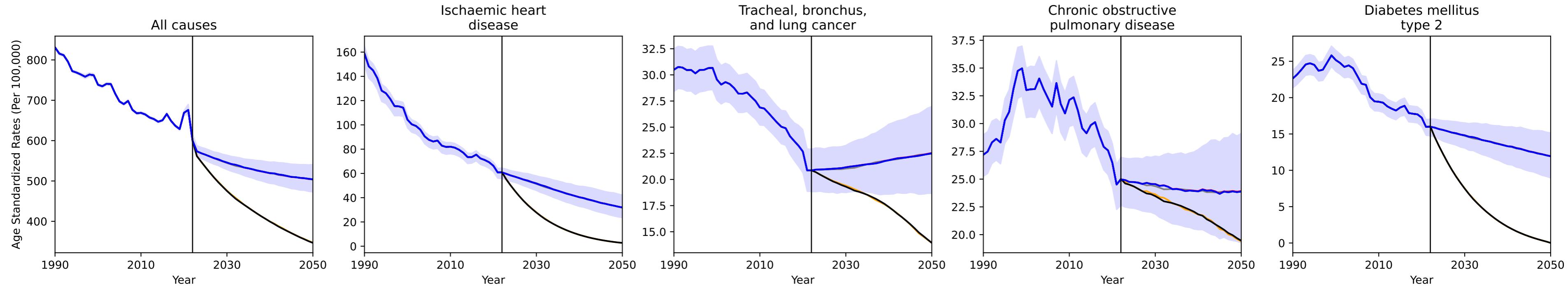
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# USA



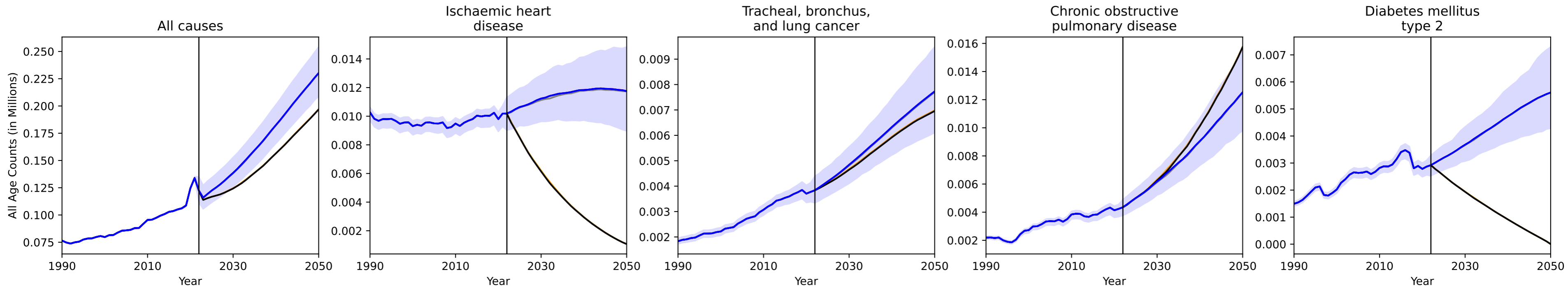
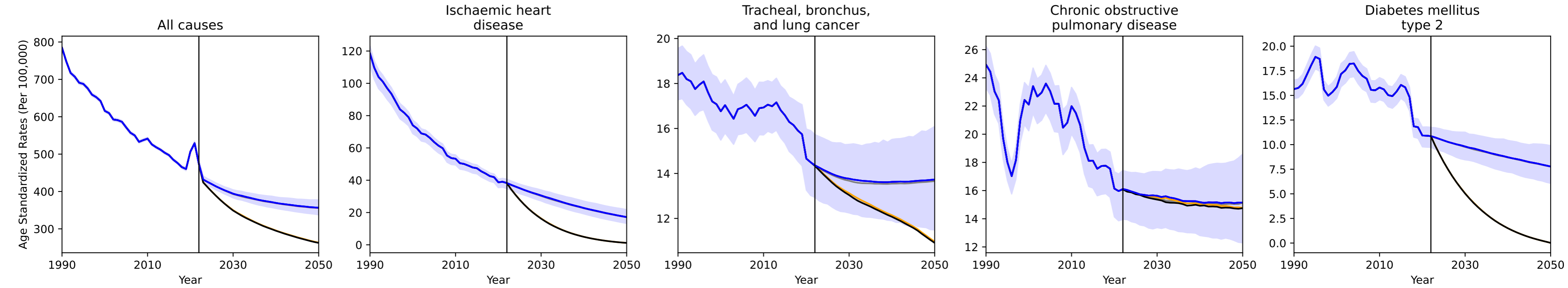
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— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

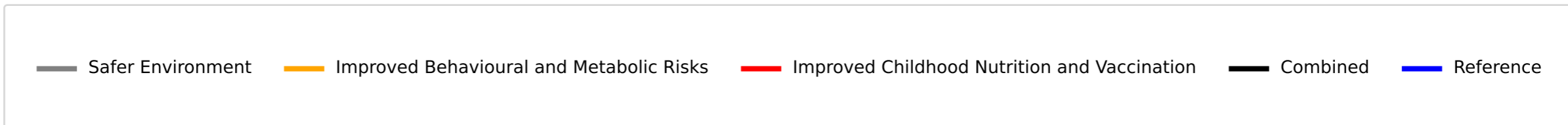
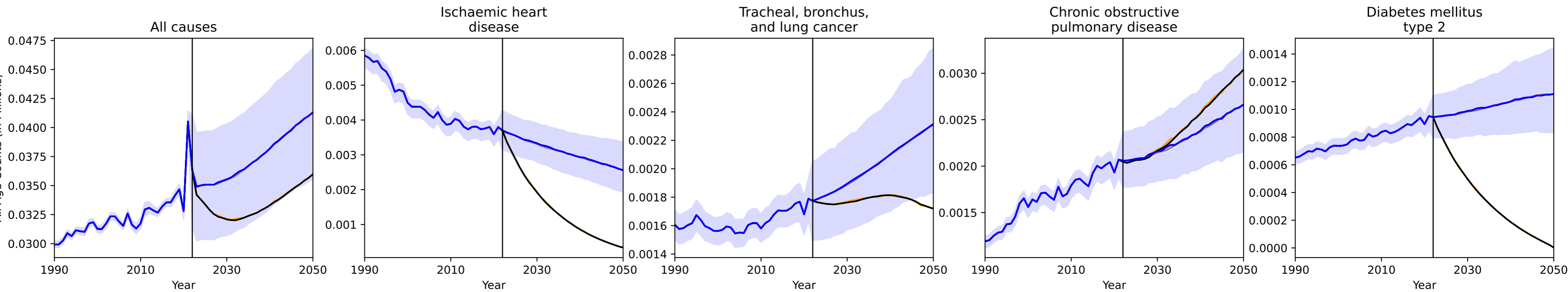
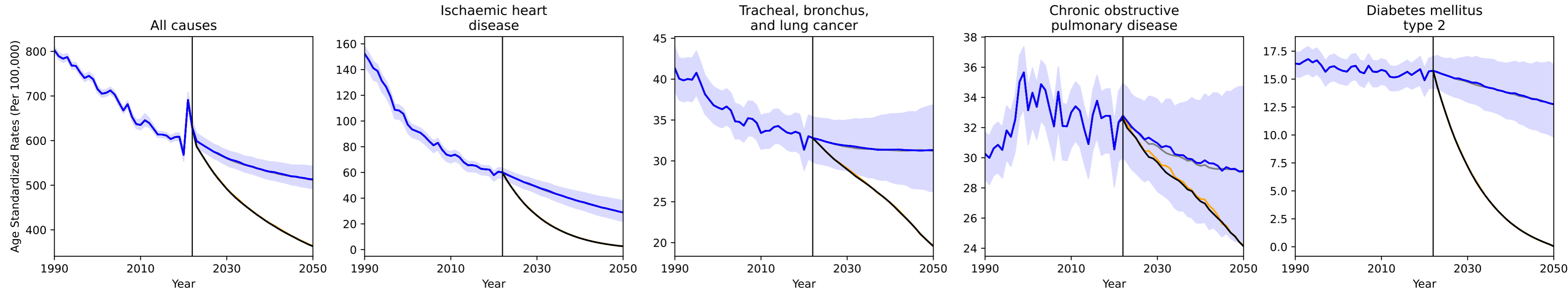
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Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

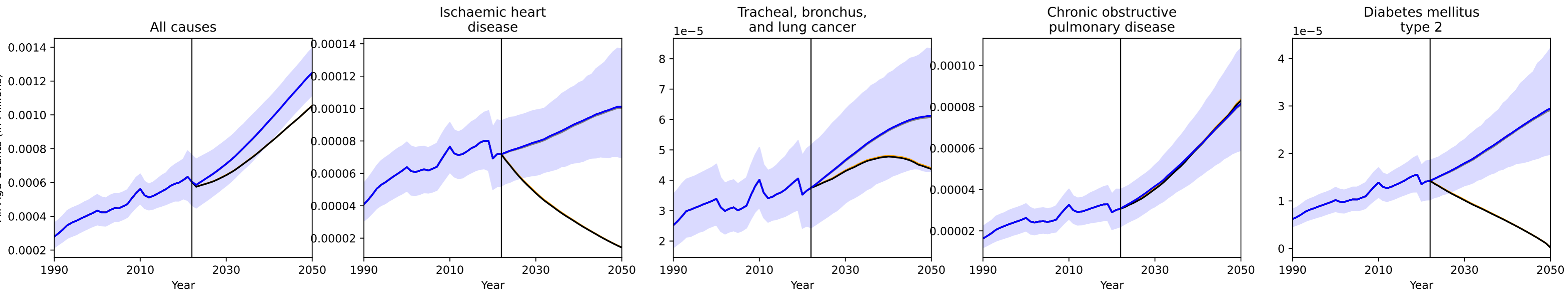
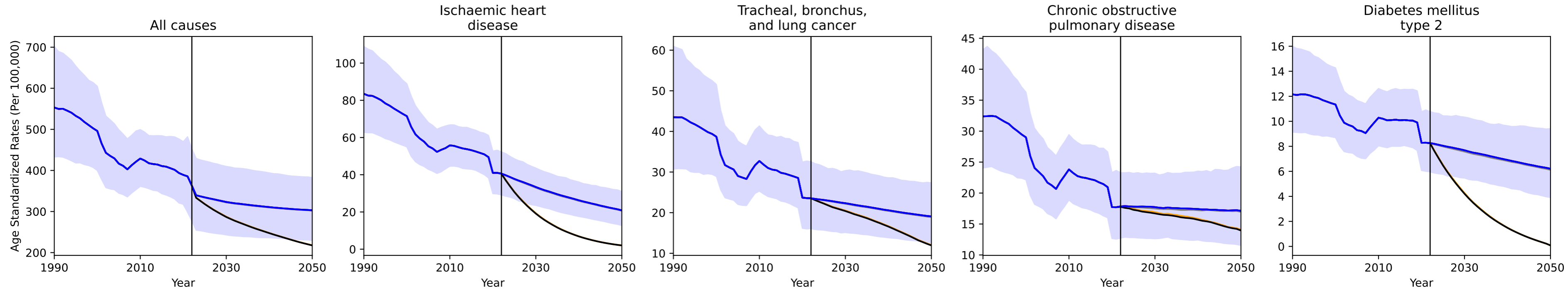


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Uruguay

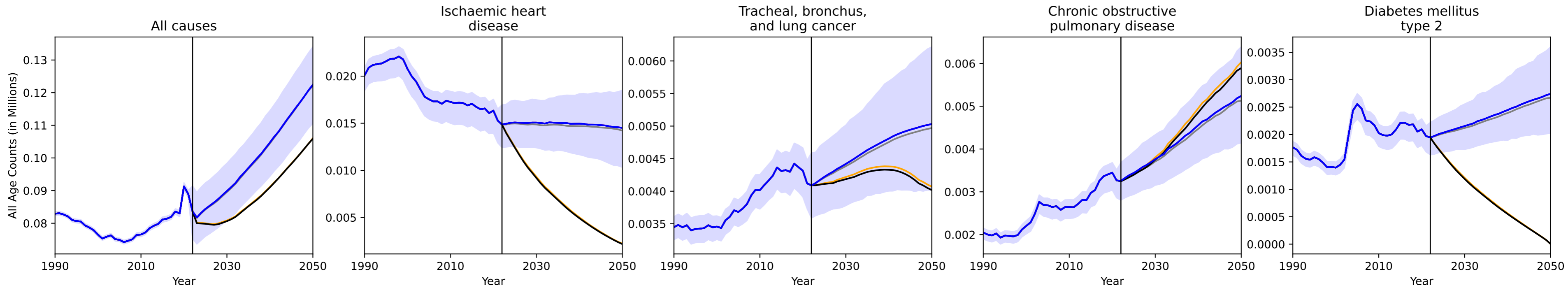
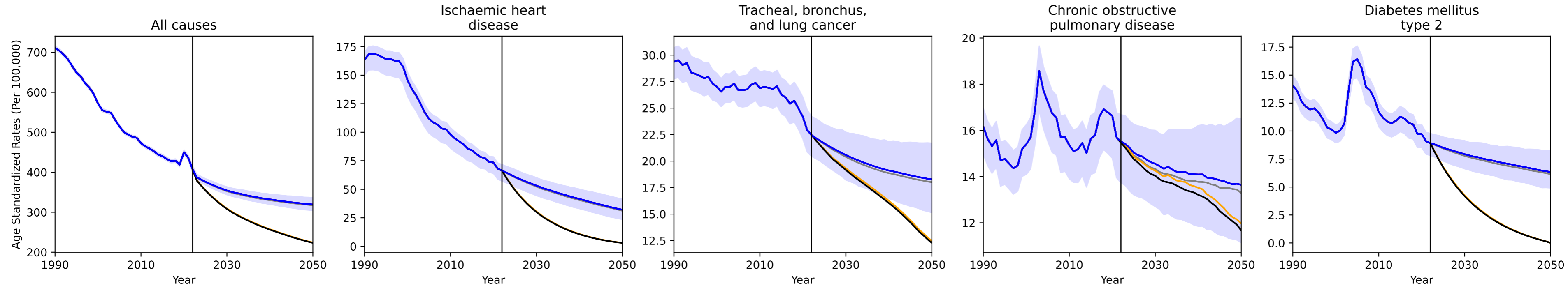


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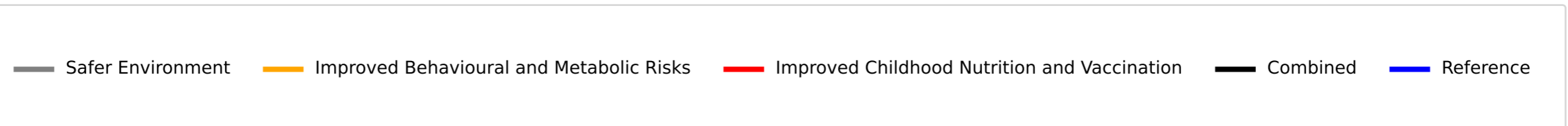
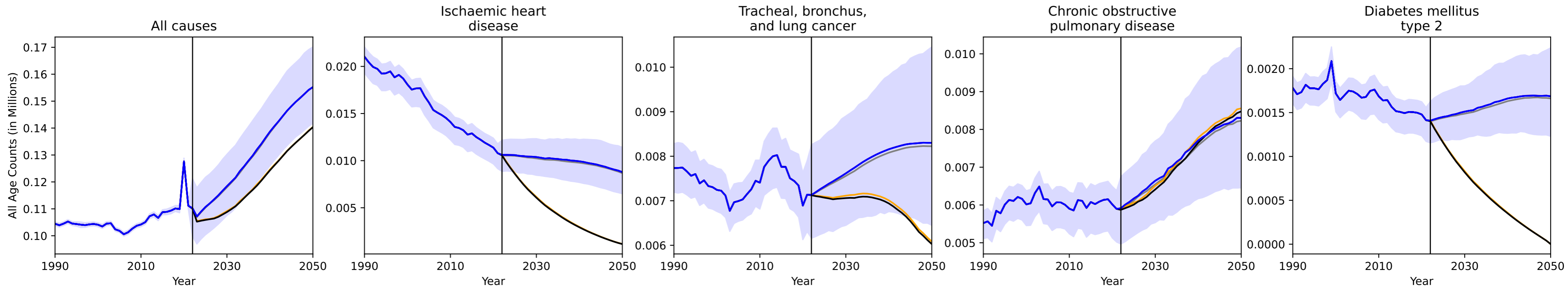
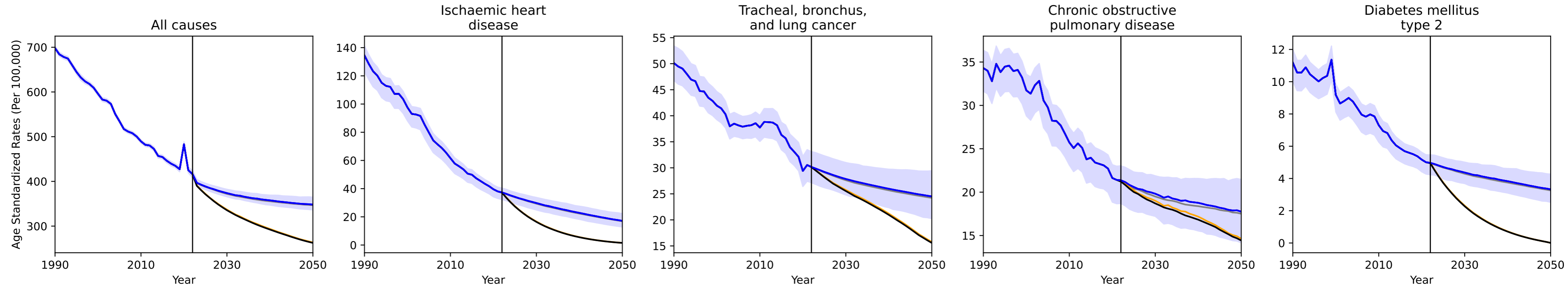


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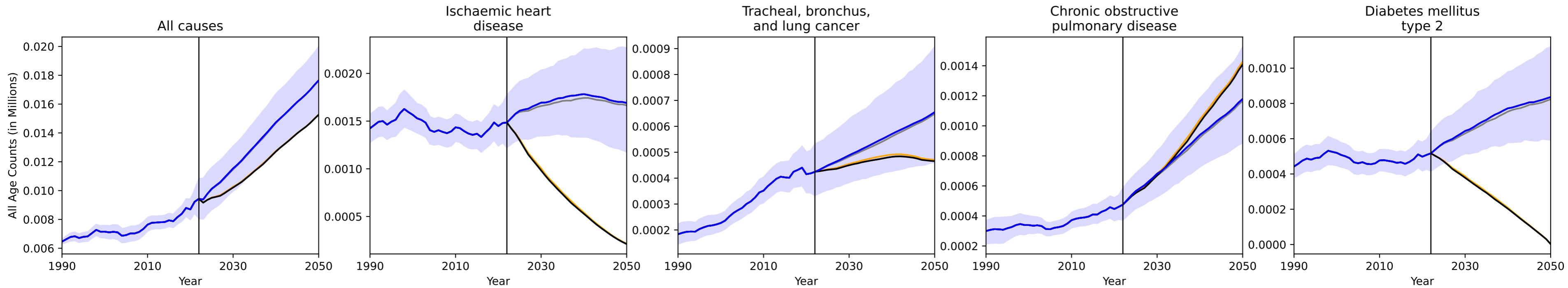
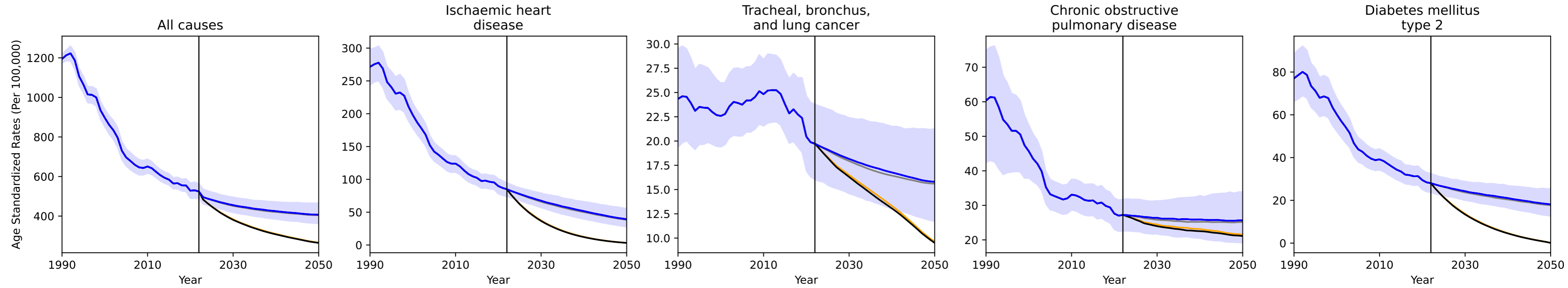


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

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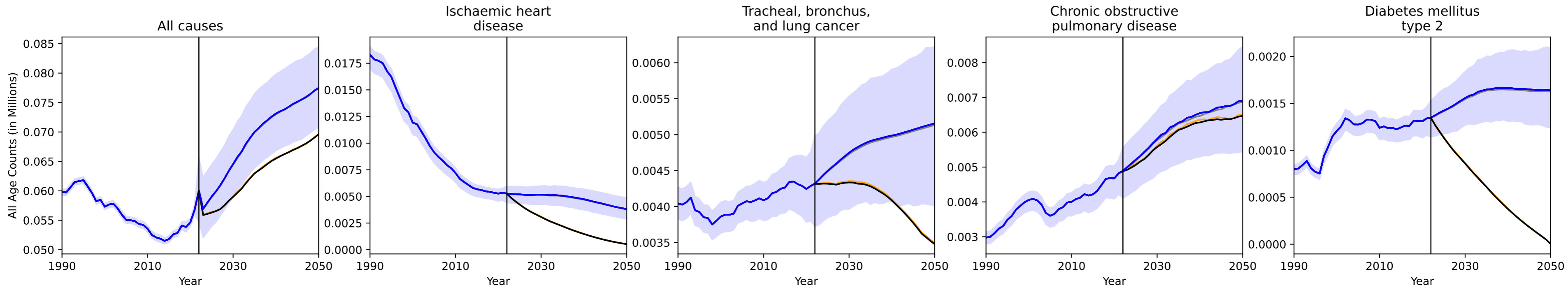
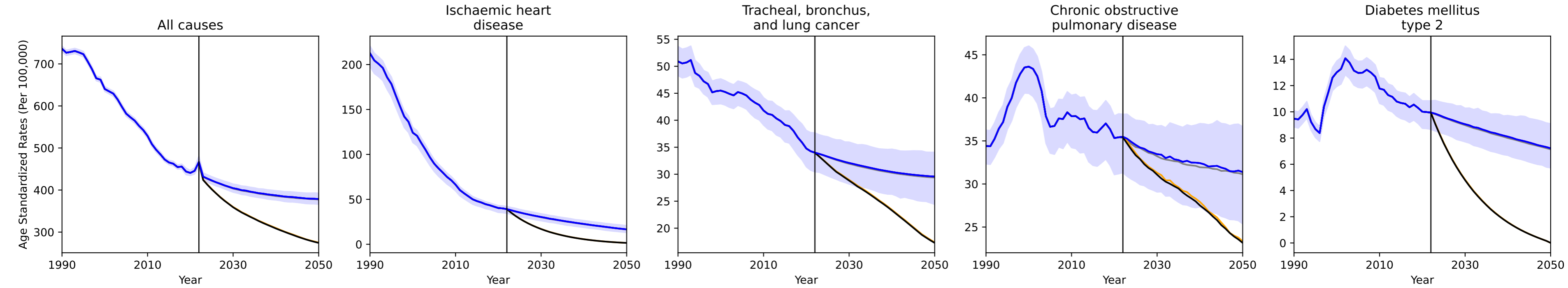


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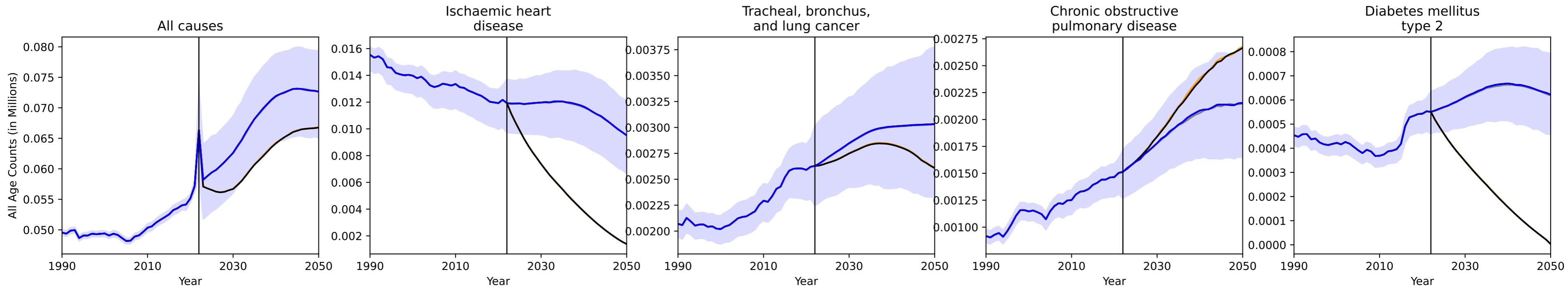
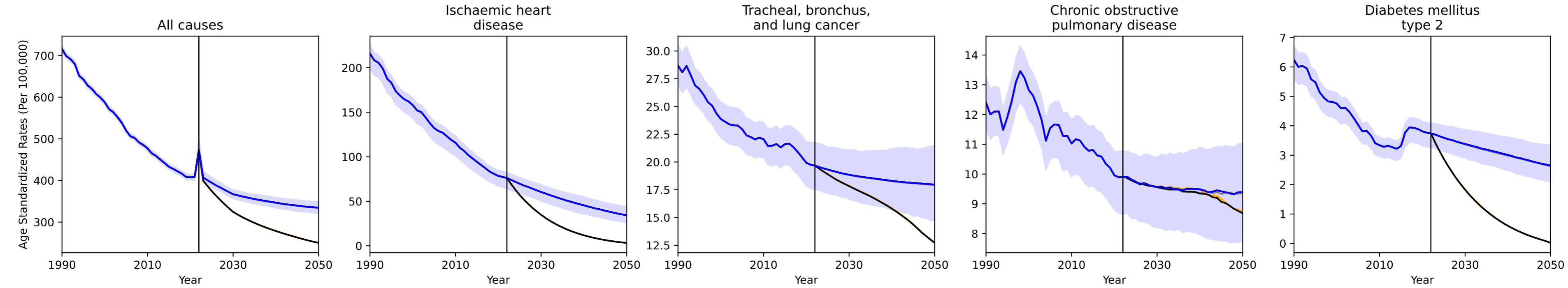
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# Denmark

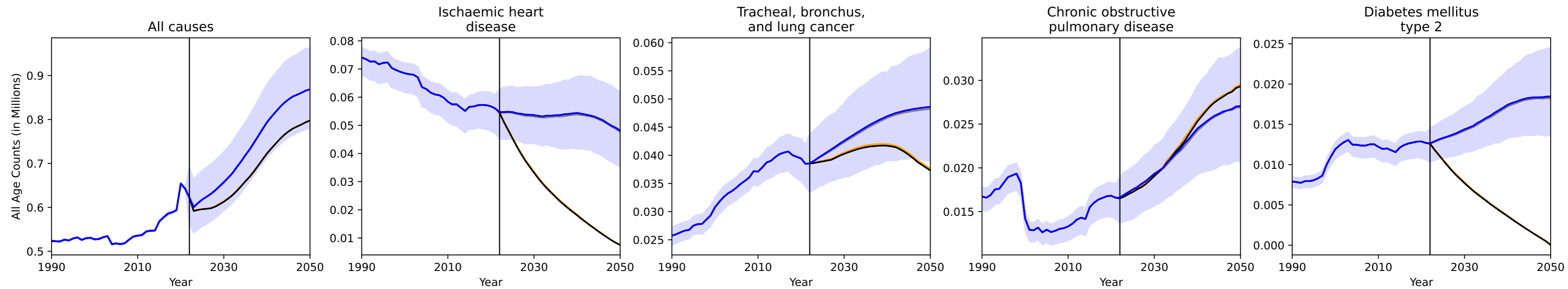
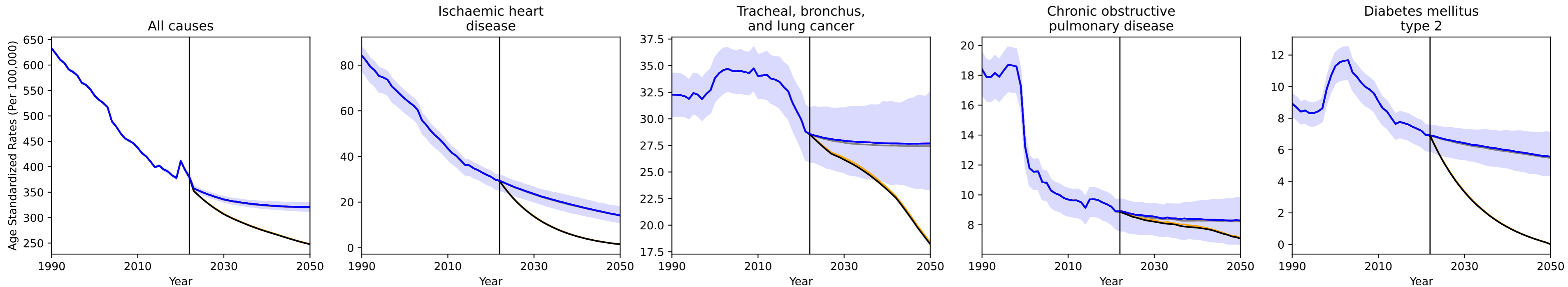


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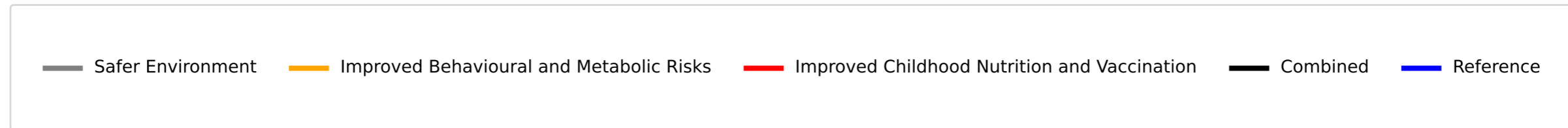
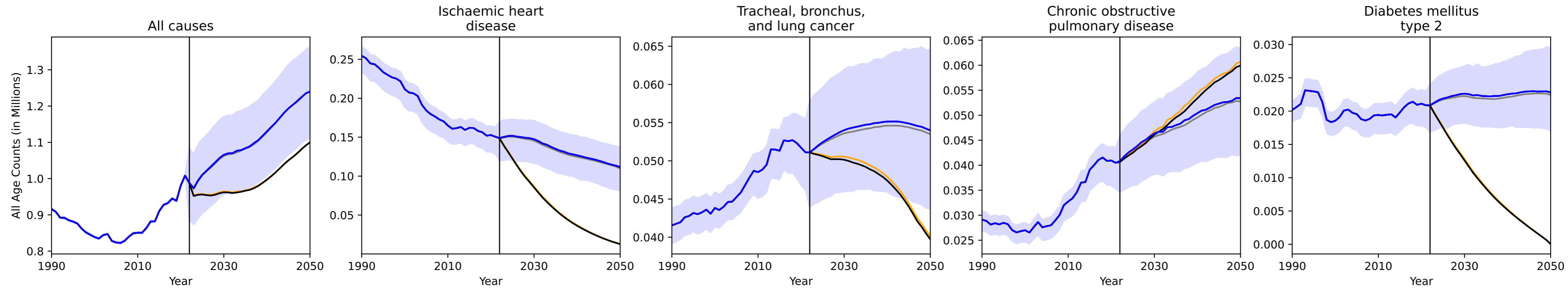
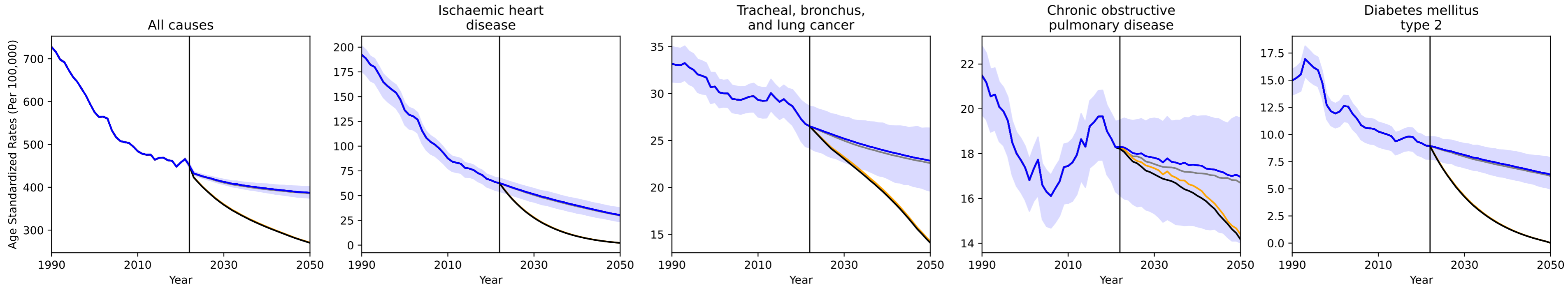


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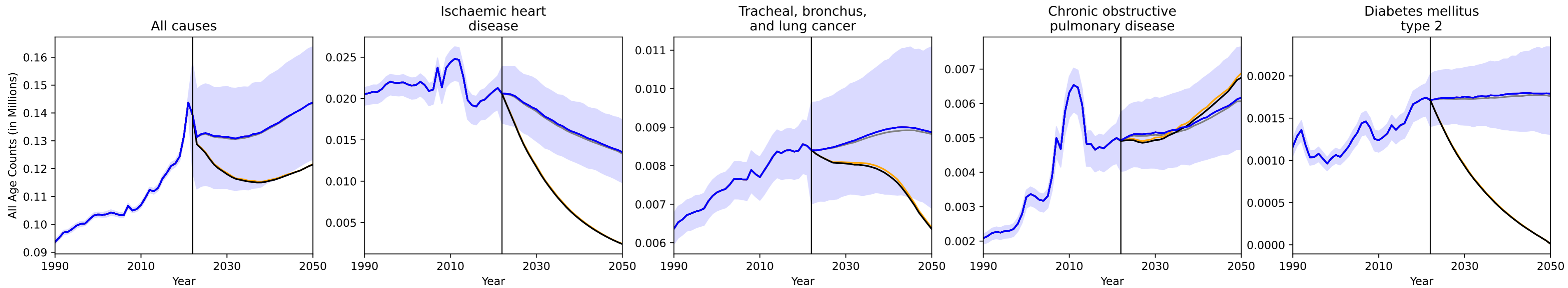
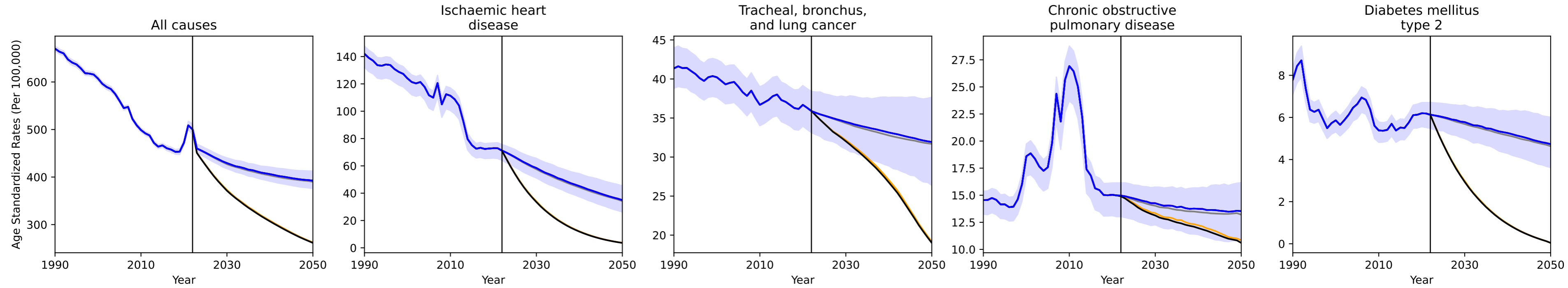


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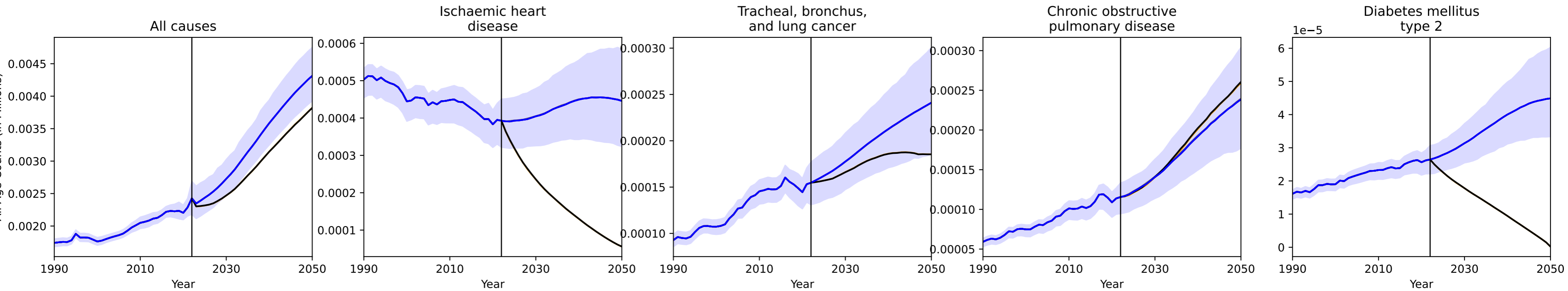
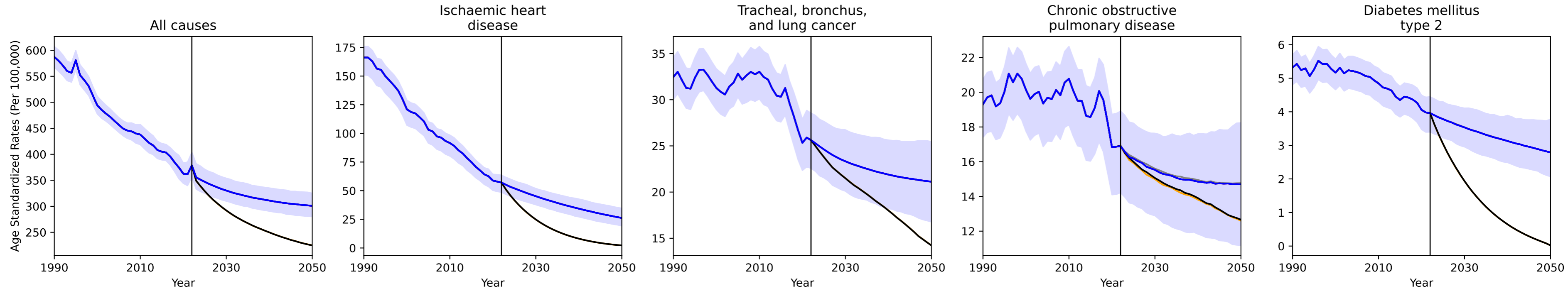
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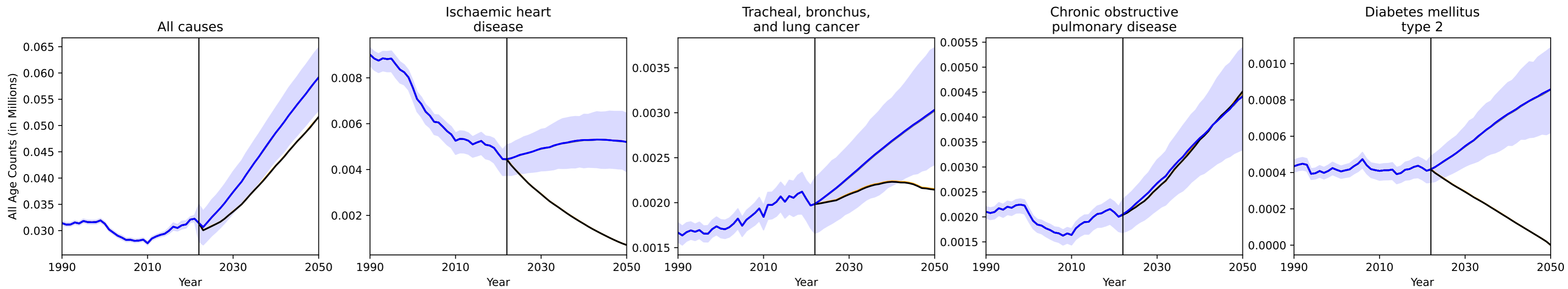
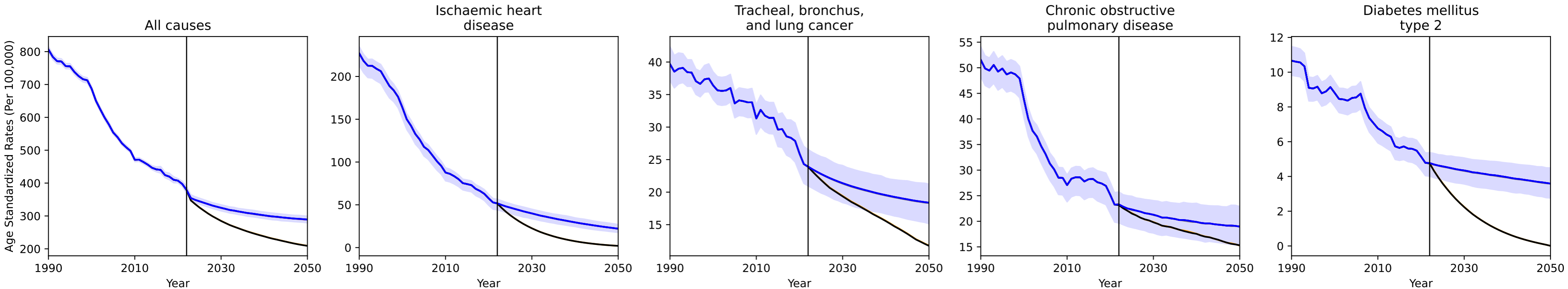
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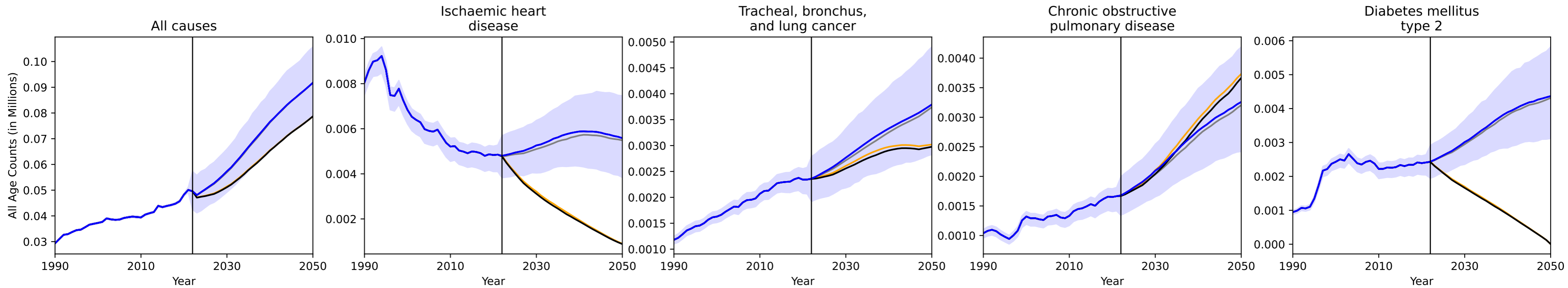
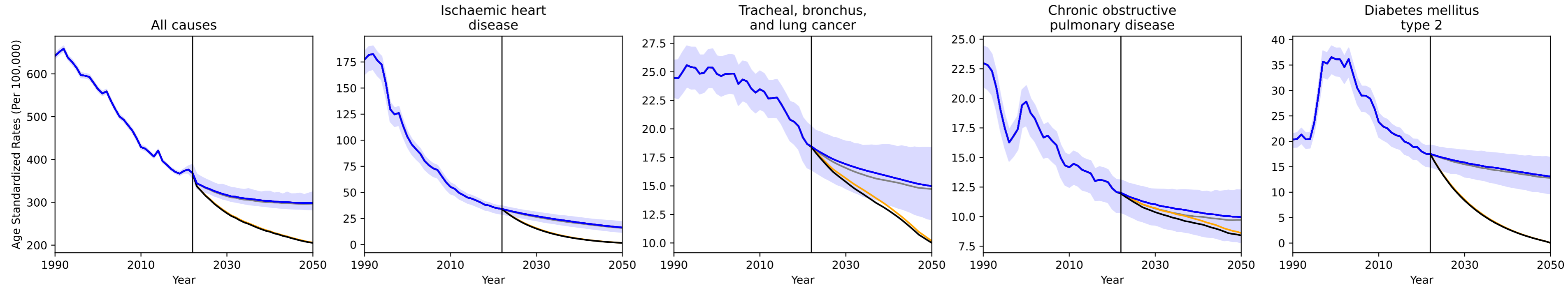


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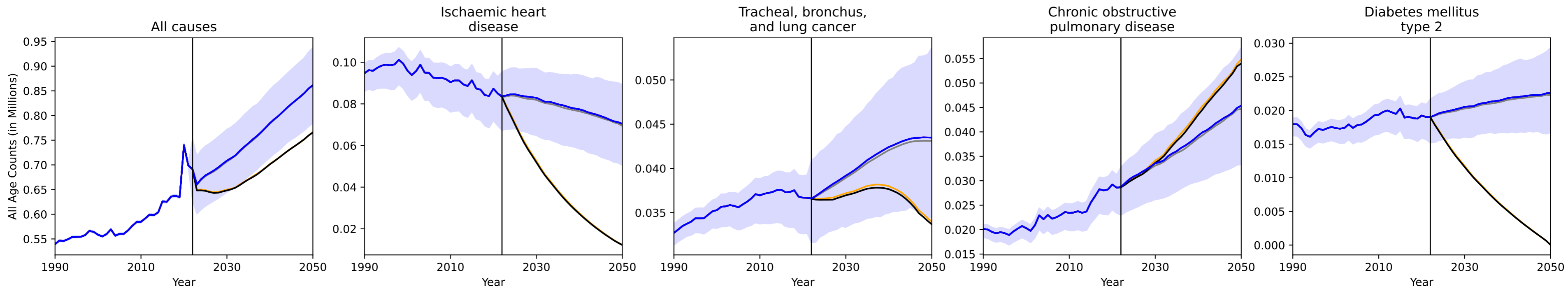
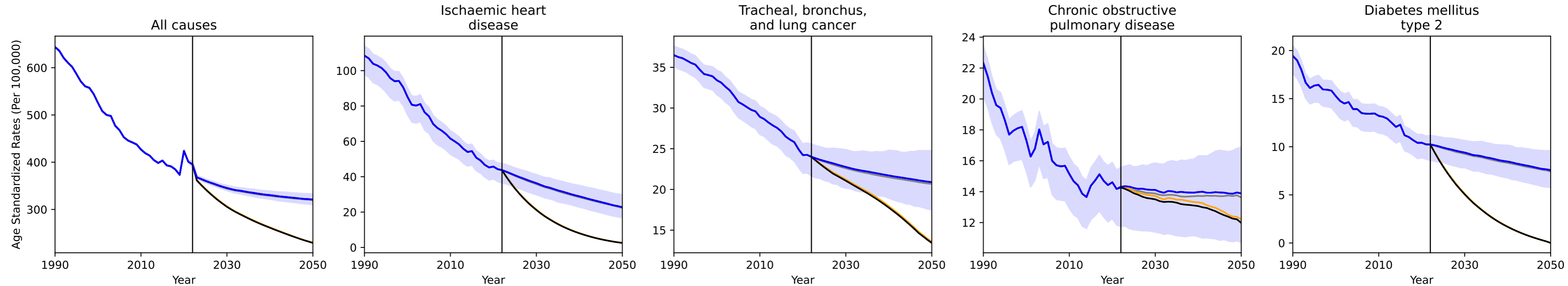


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Israel

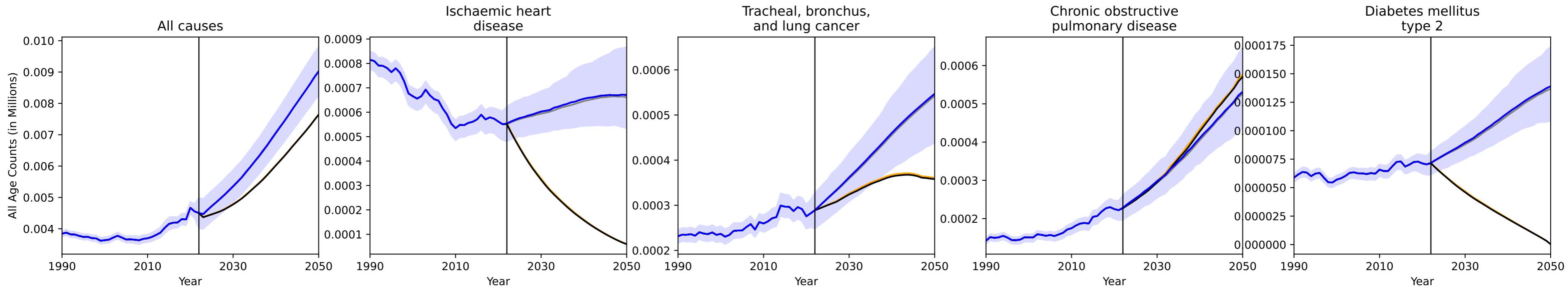
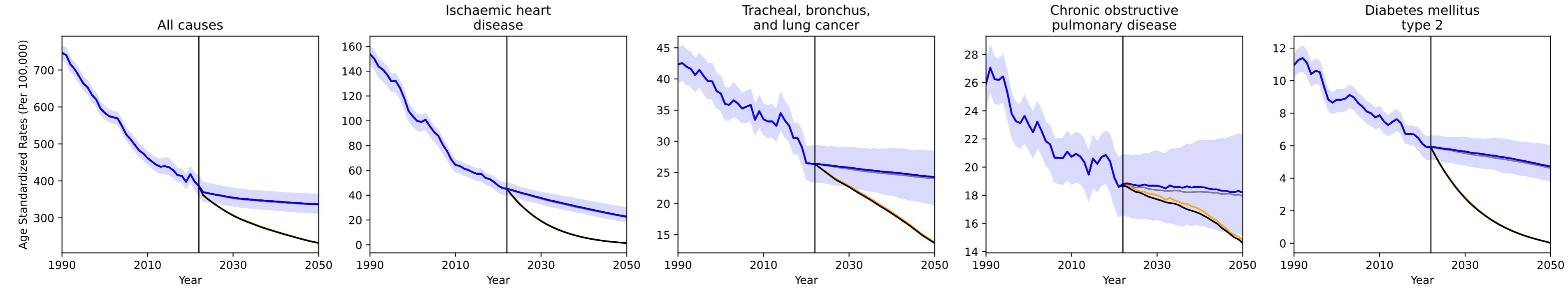


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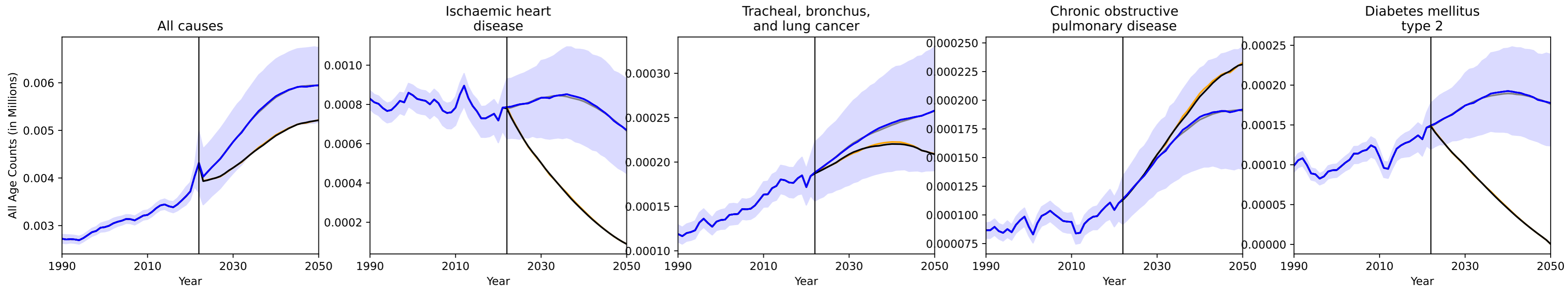
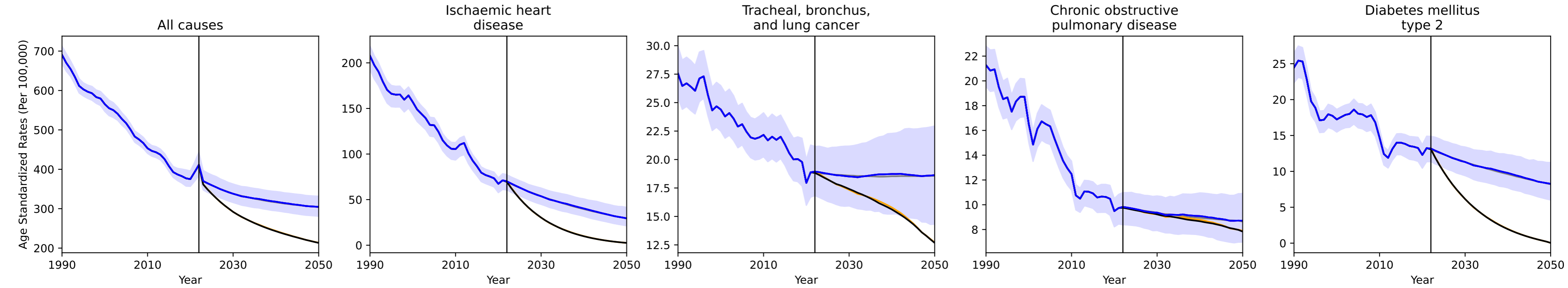


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

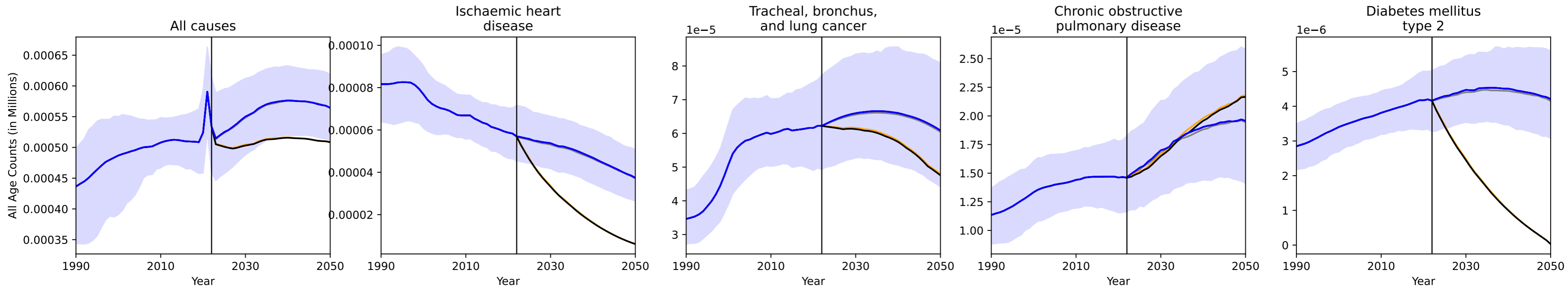
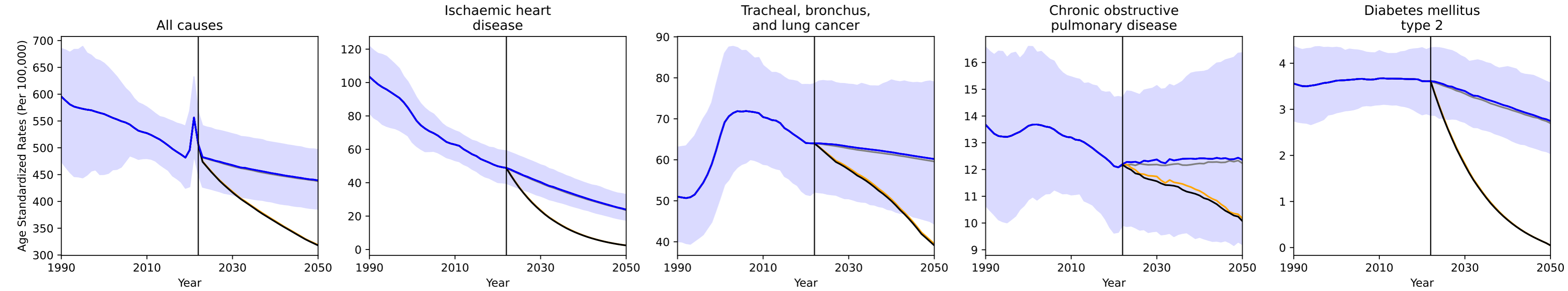
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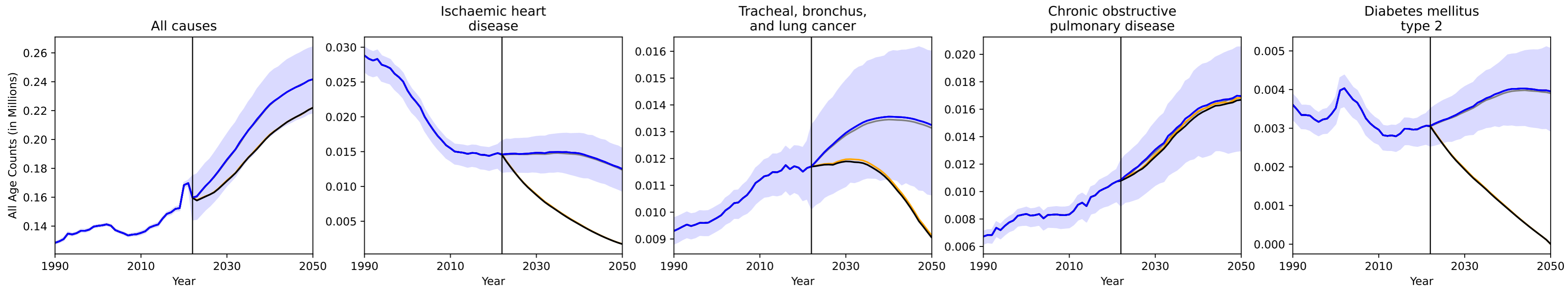
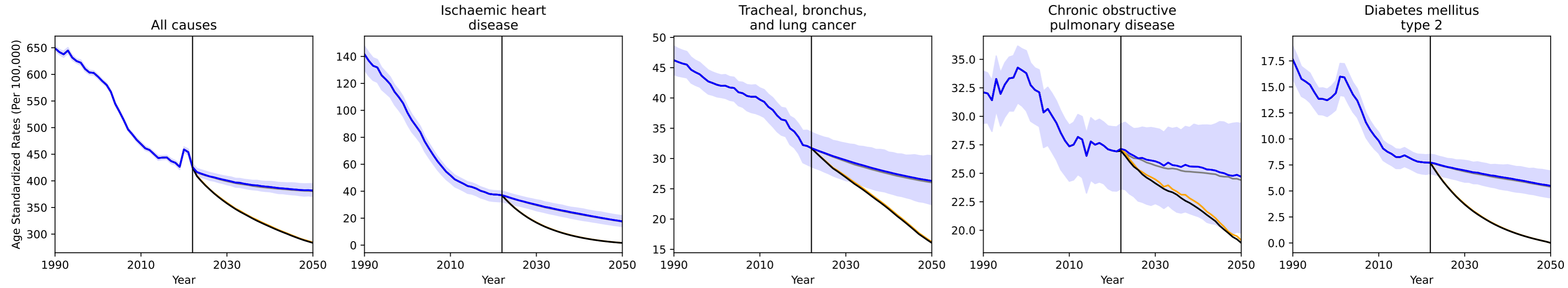
# Malta



# Monaco



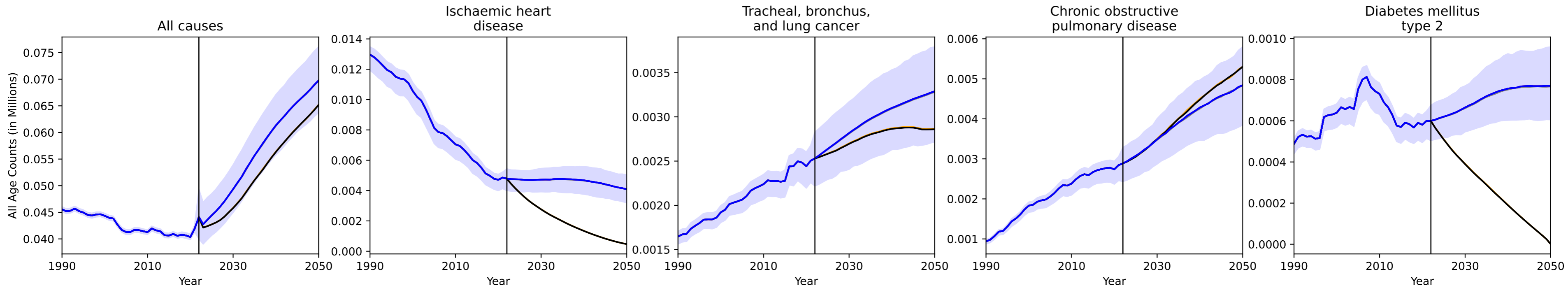
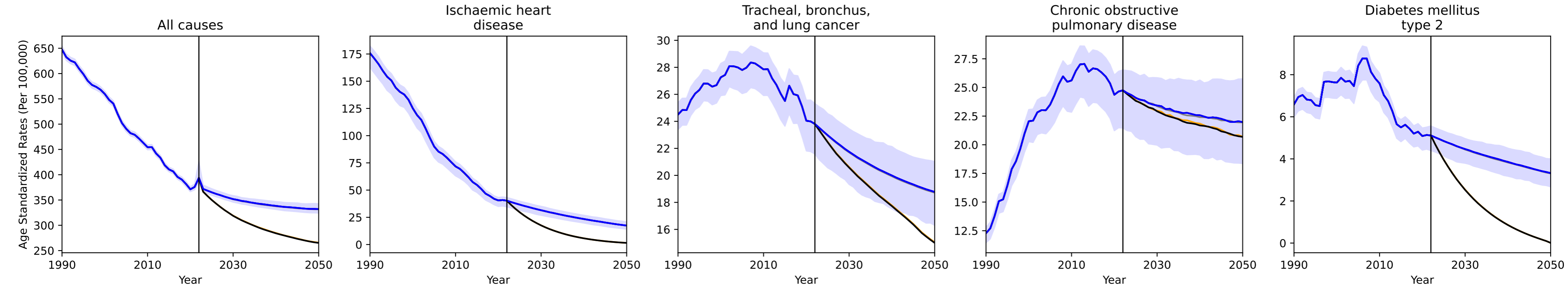
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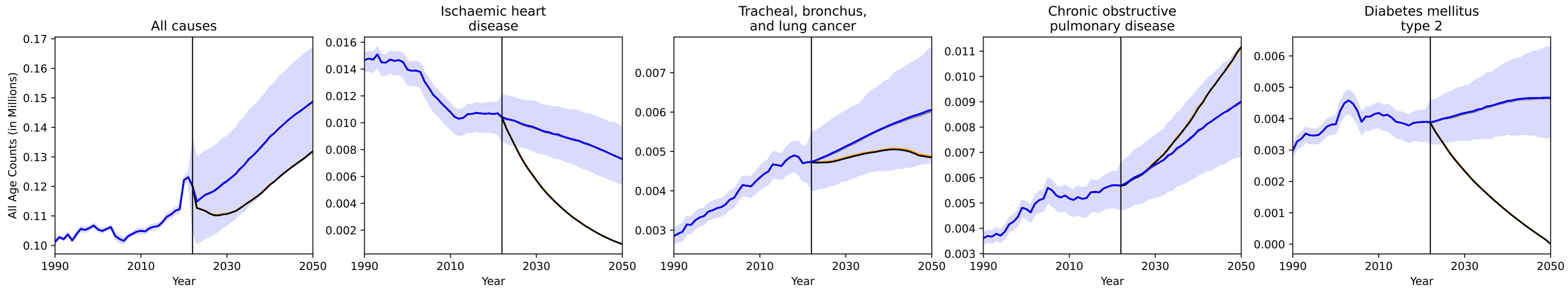
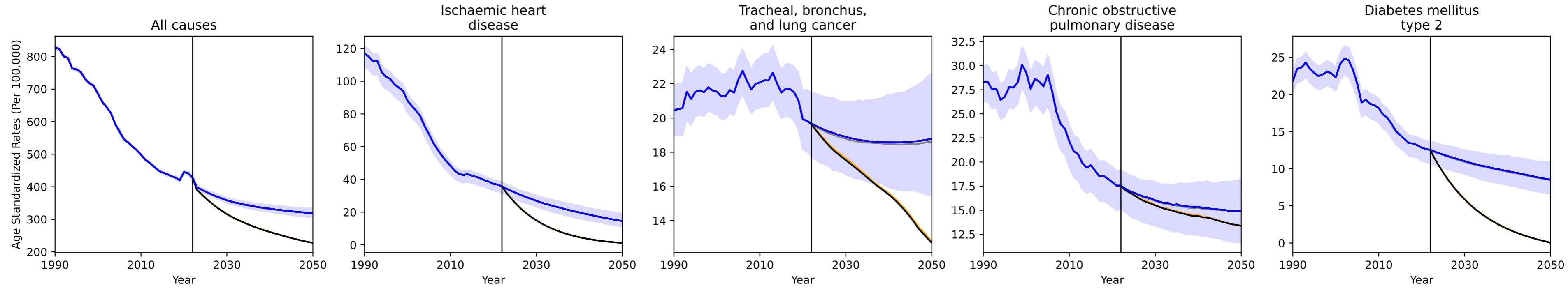
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



# Norway

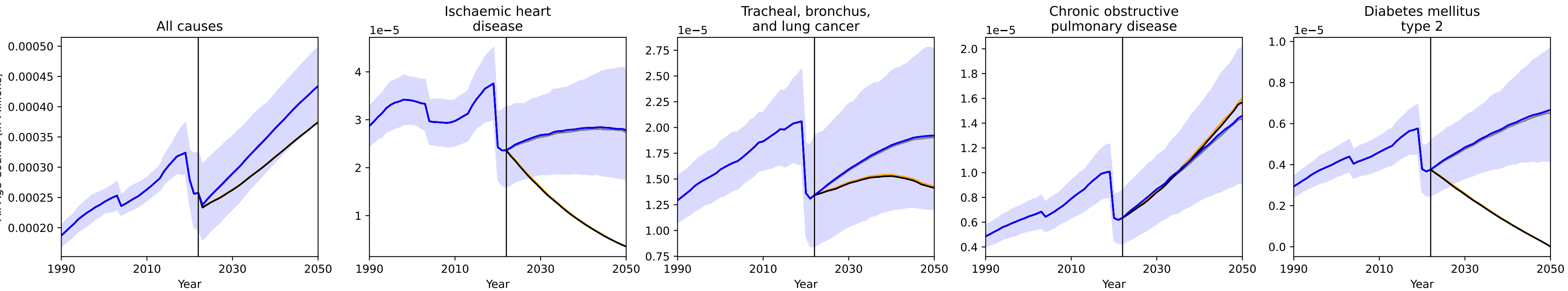
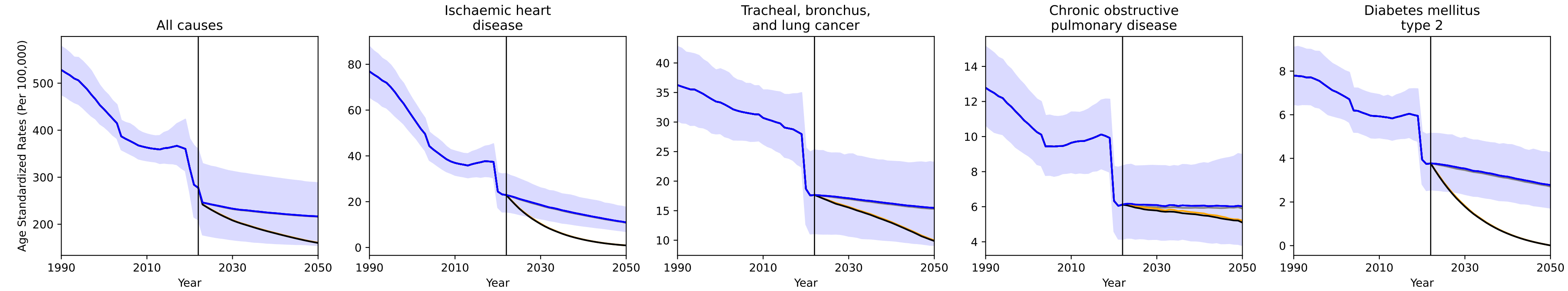


# Portugal

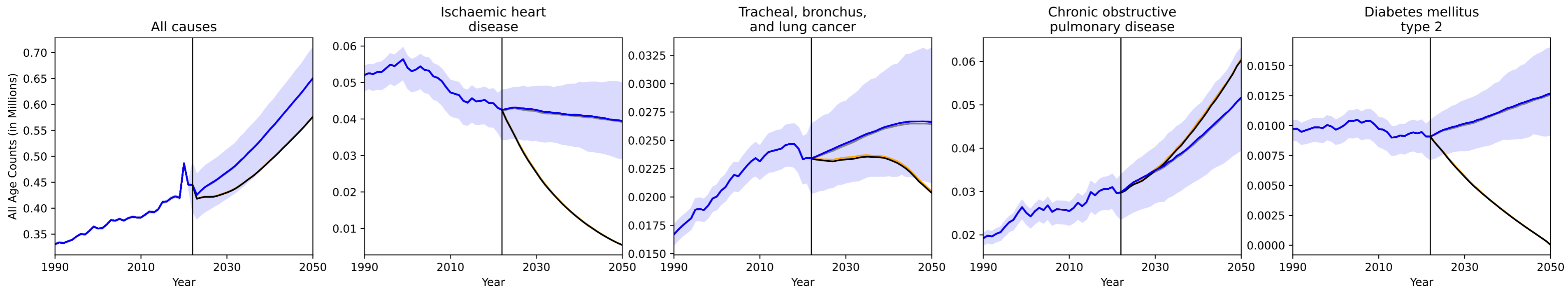
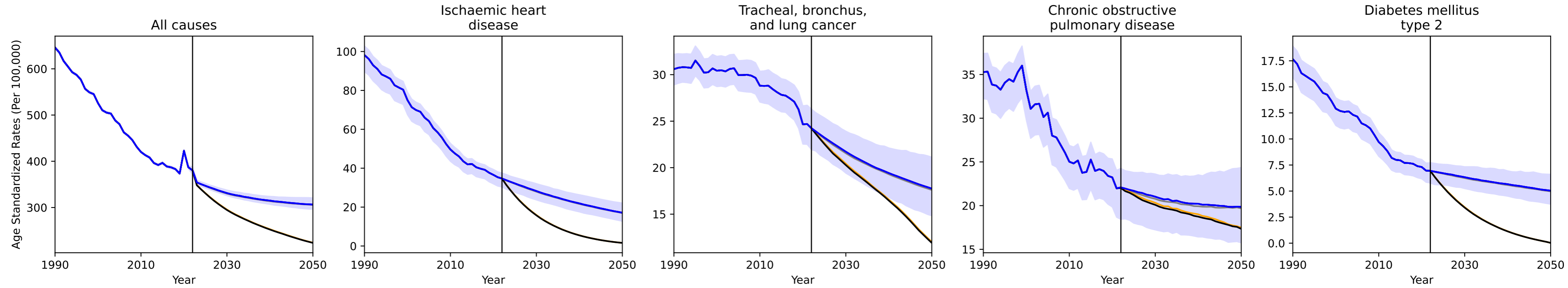


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# San Marino

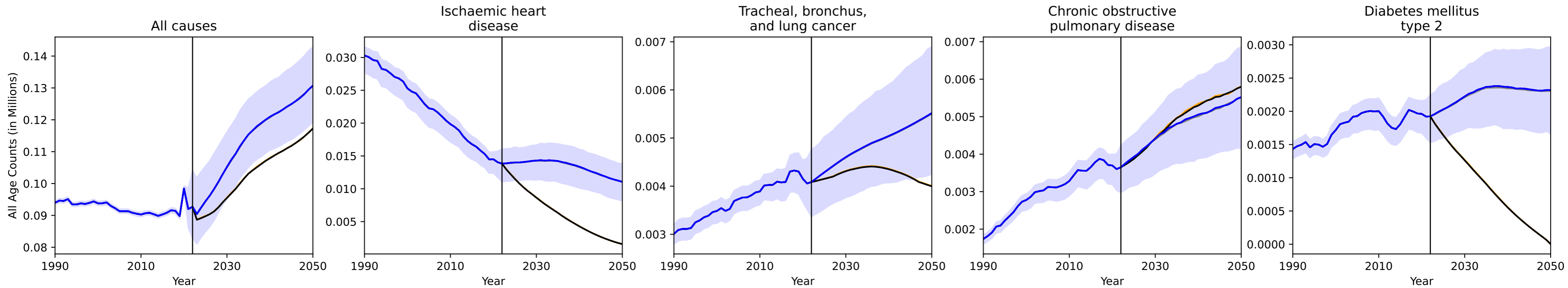
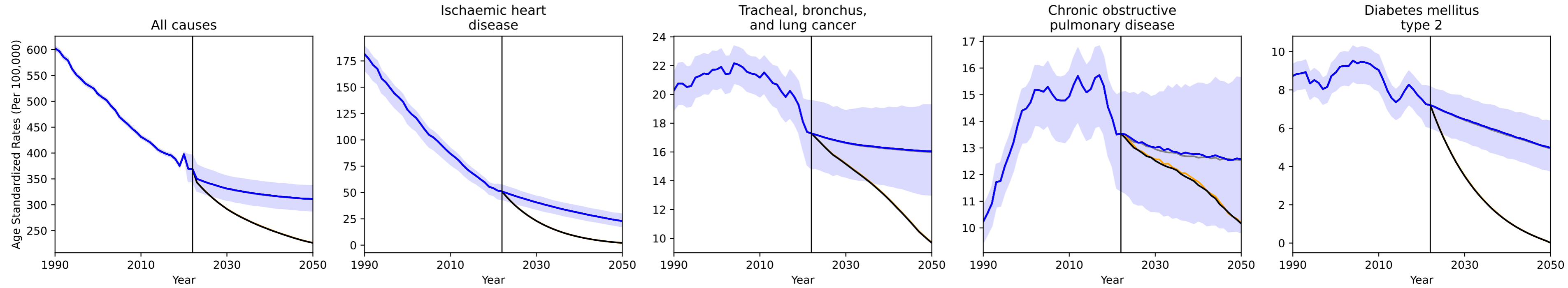


# Spain



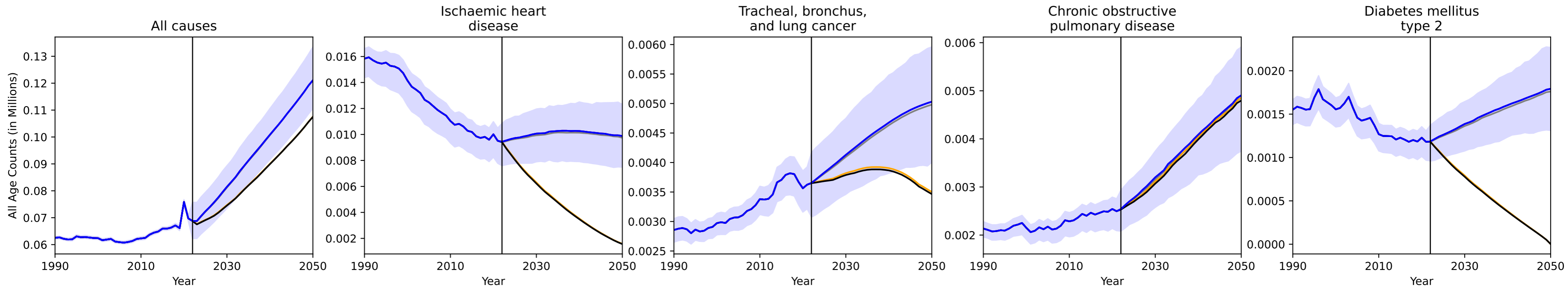
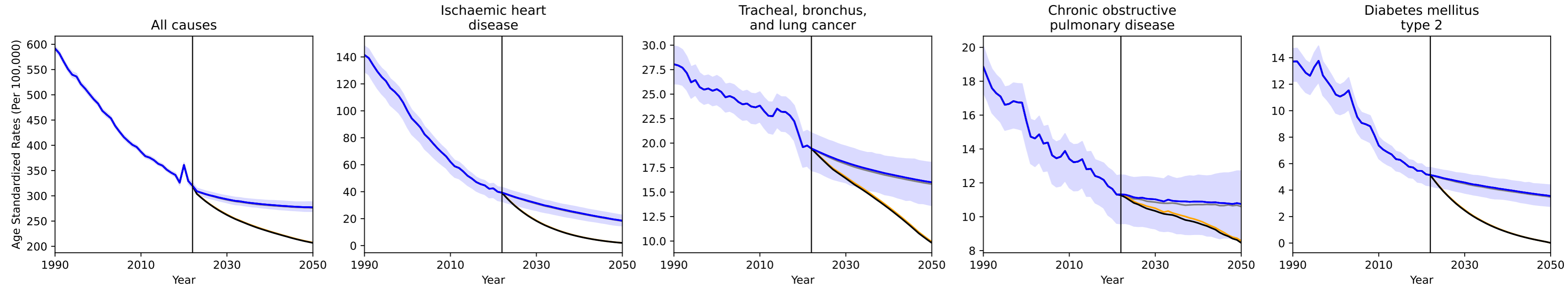
# Sweden

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



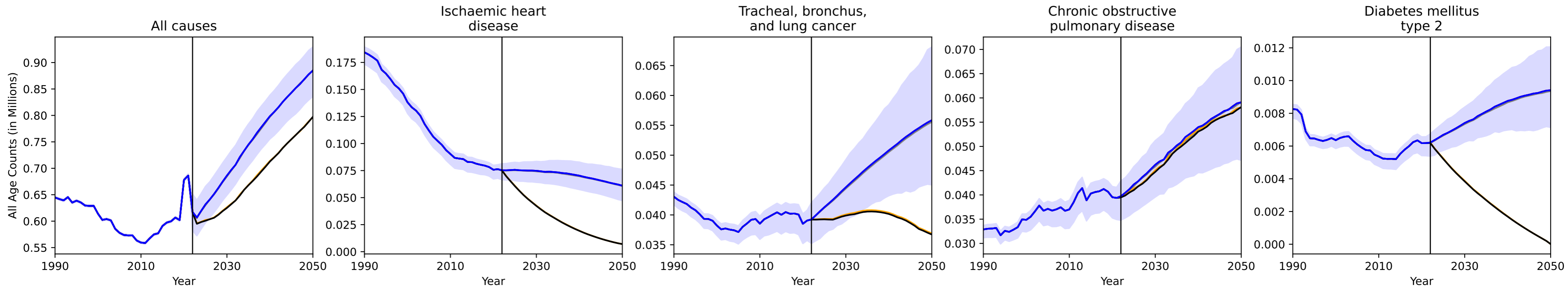
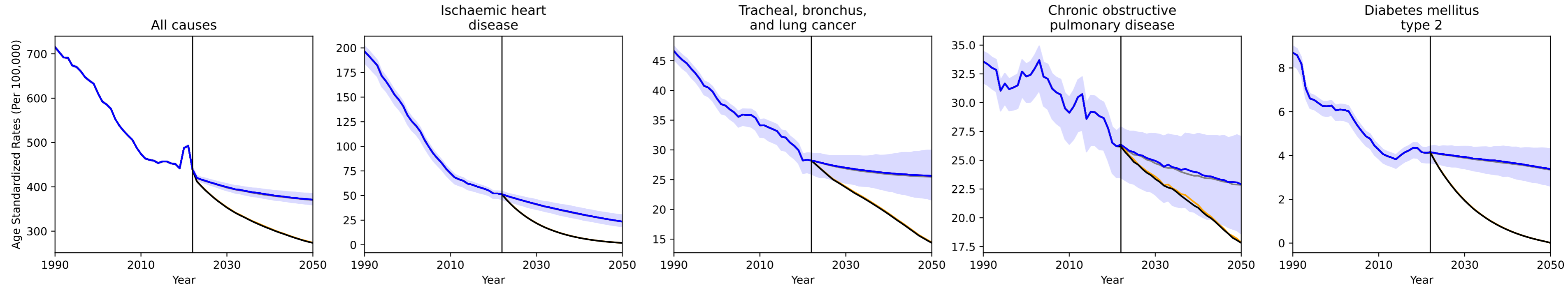
# Switzerland

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



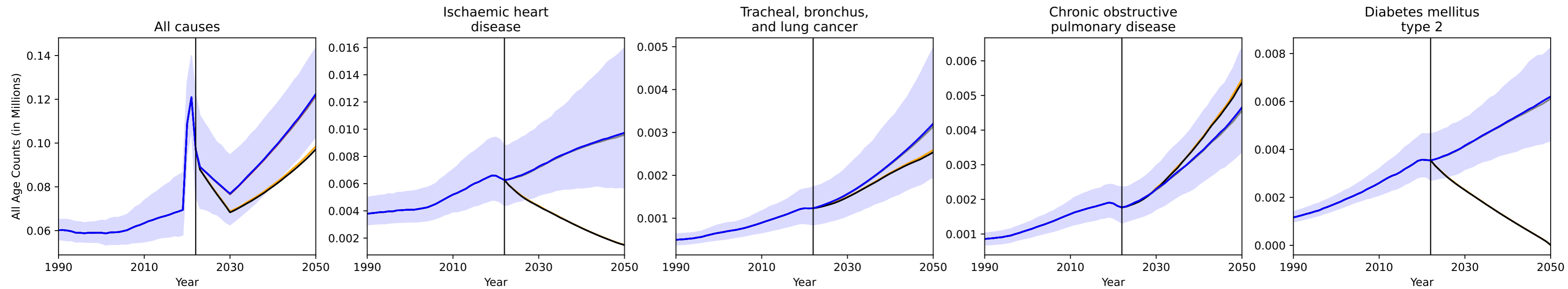
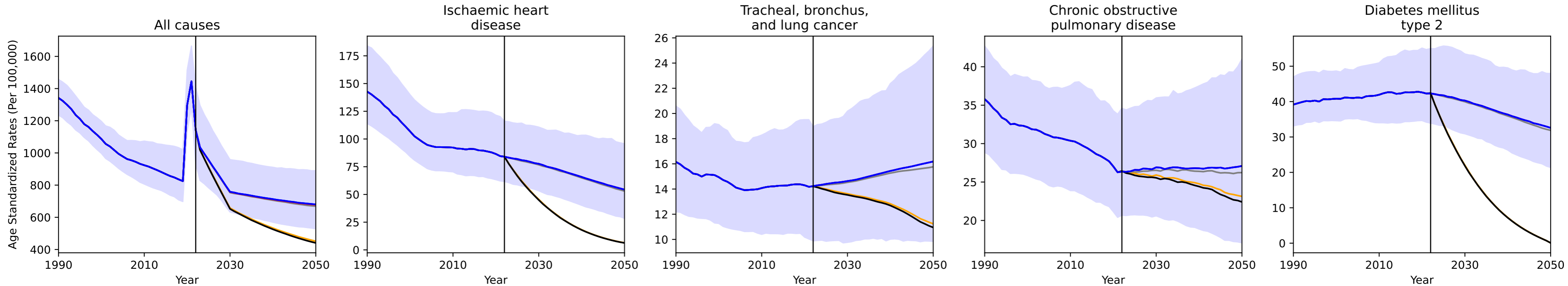
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# UK



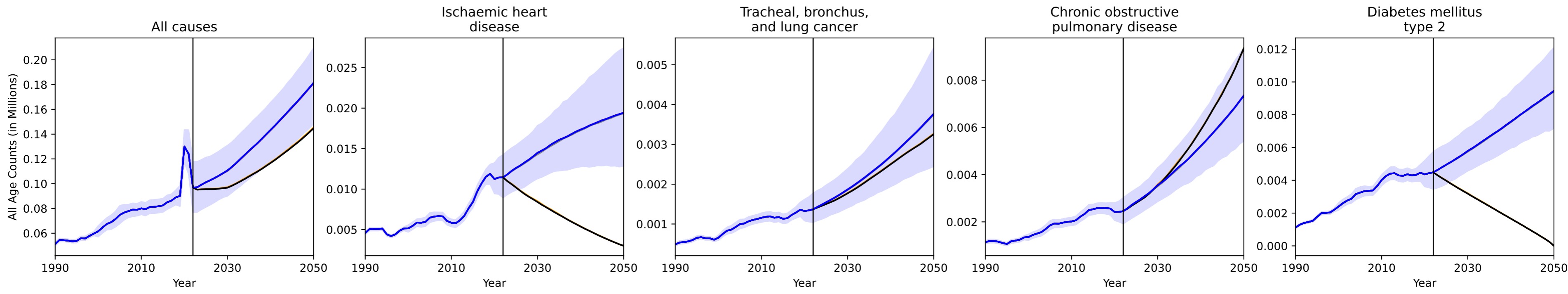
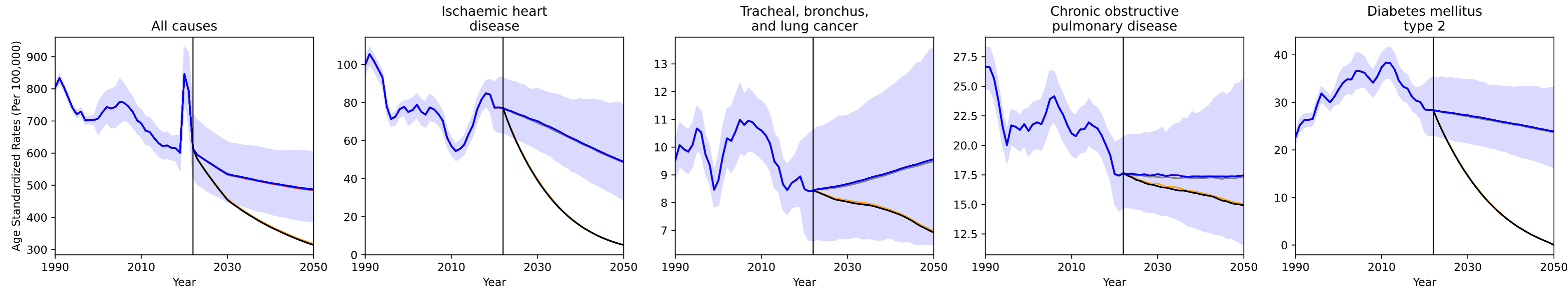
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Bolivia

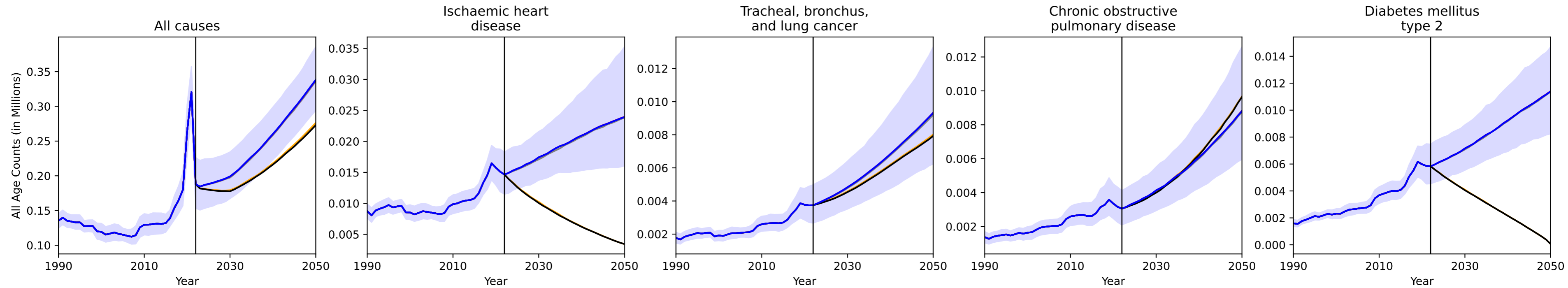
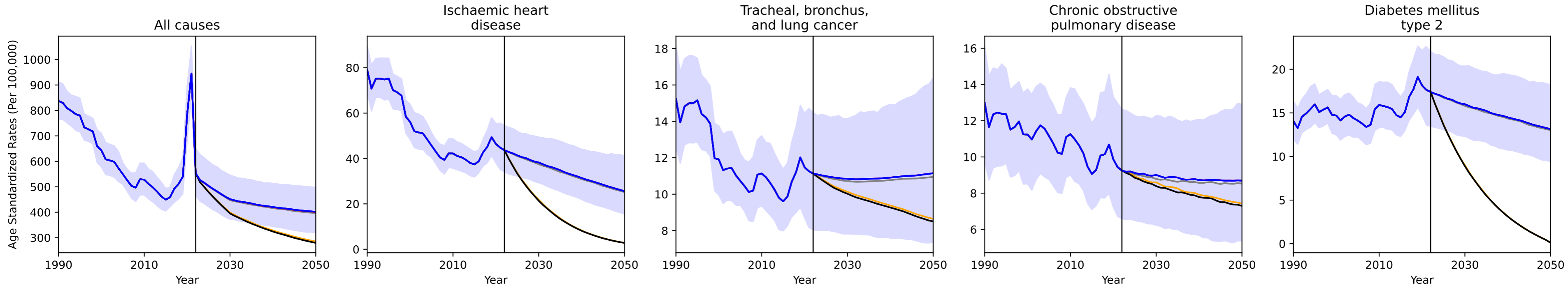




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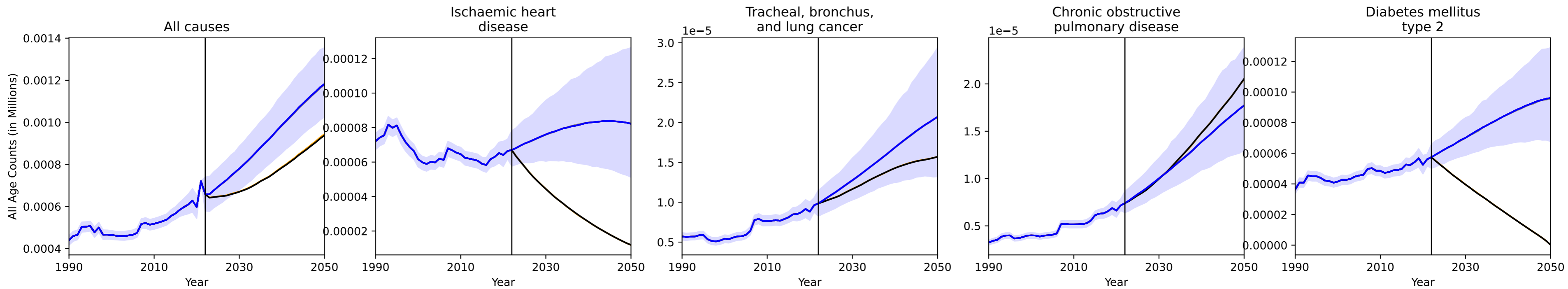
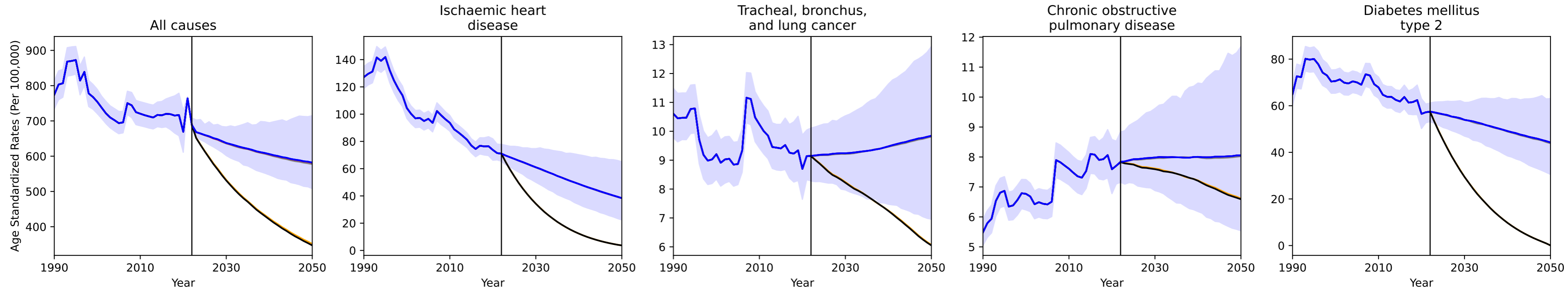


# Peru



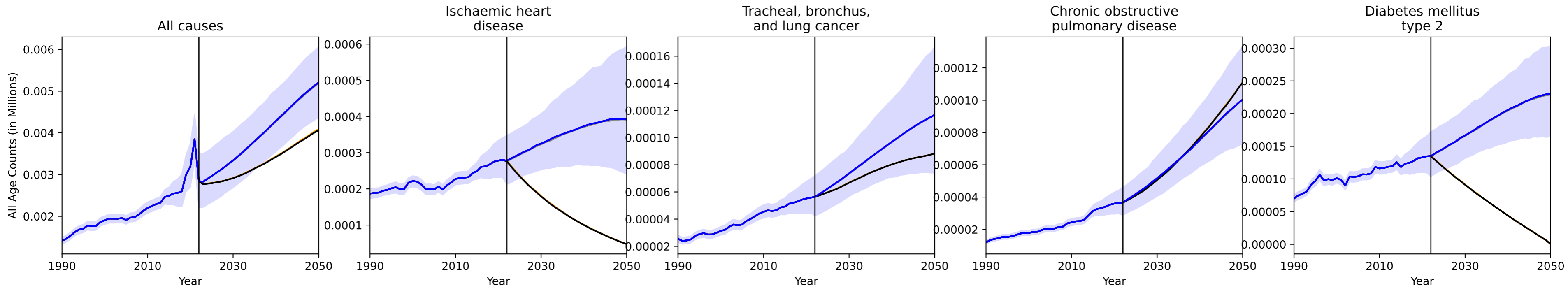
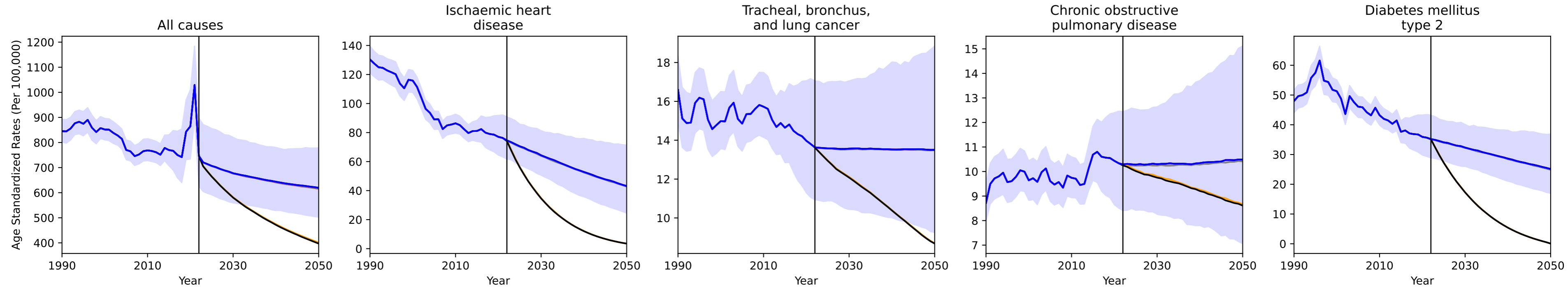
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# Antigua And Barbuda

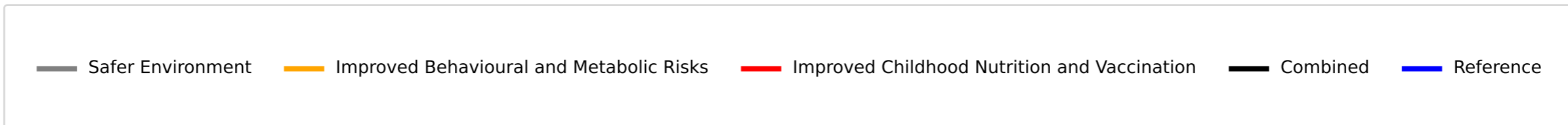
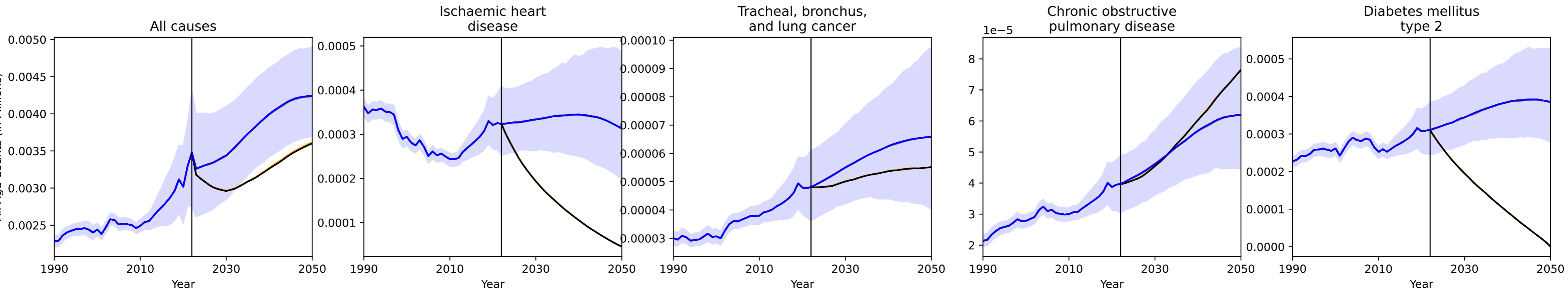
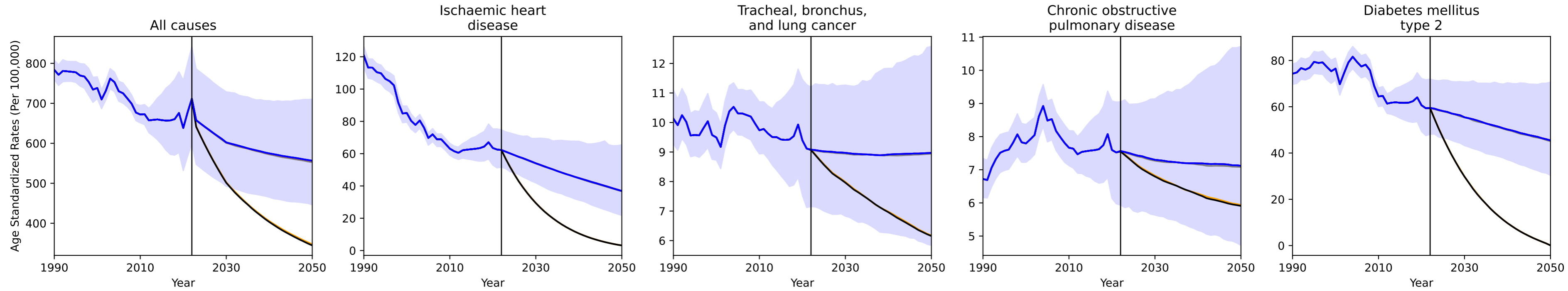


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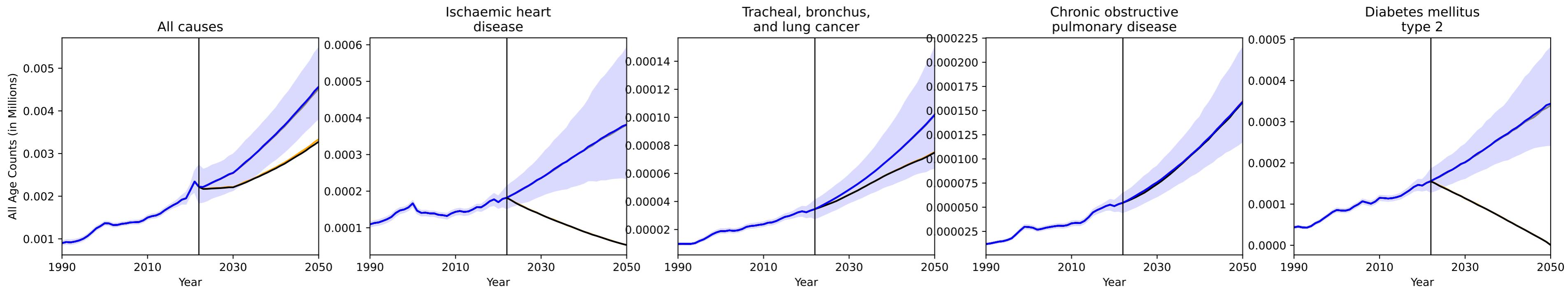
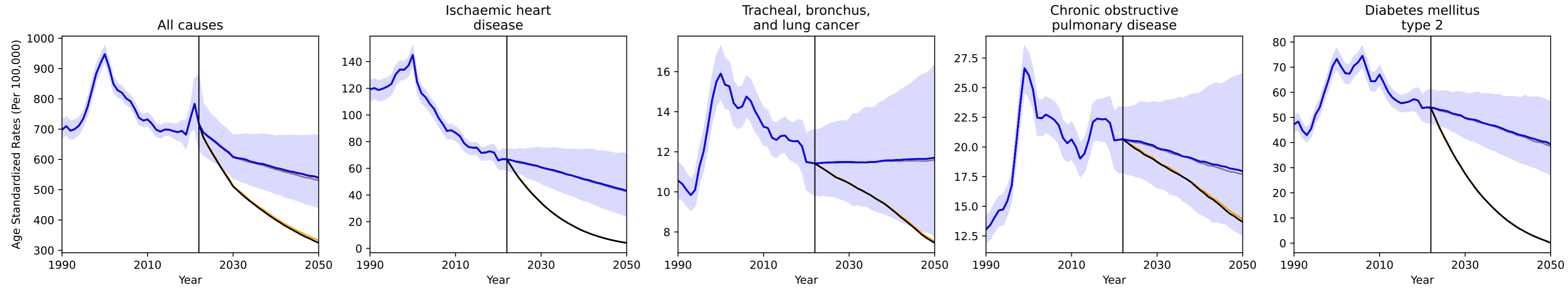
Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



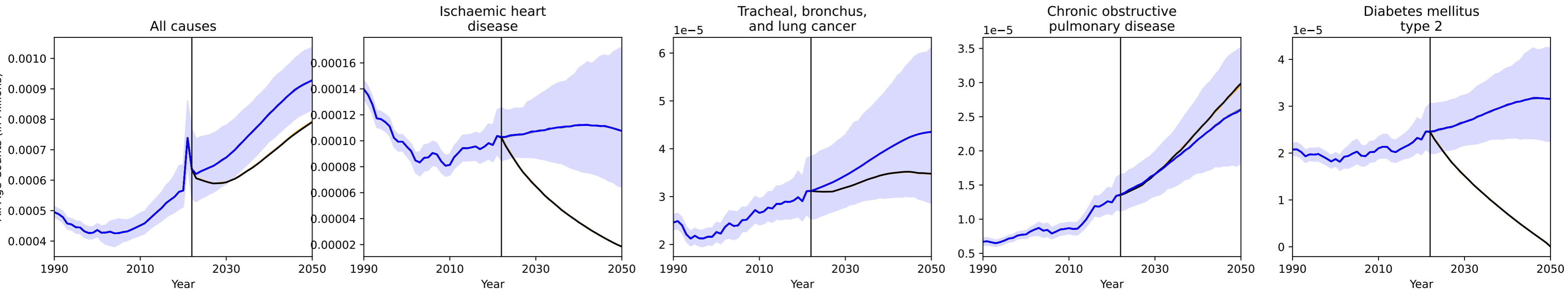
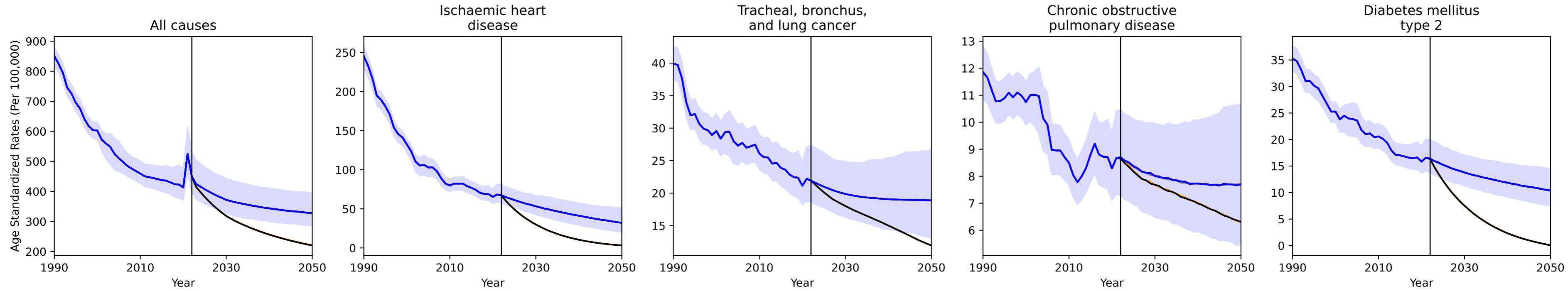
# Barbados



# Belize

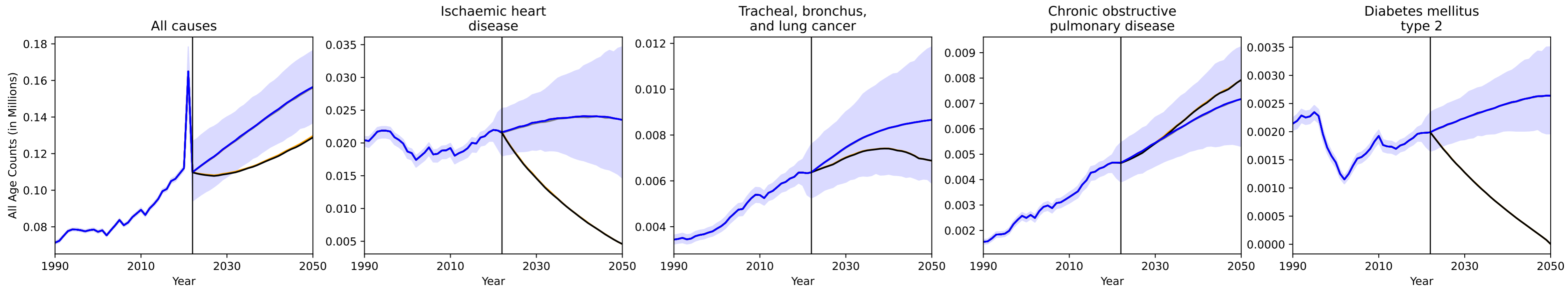
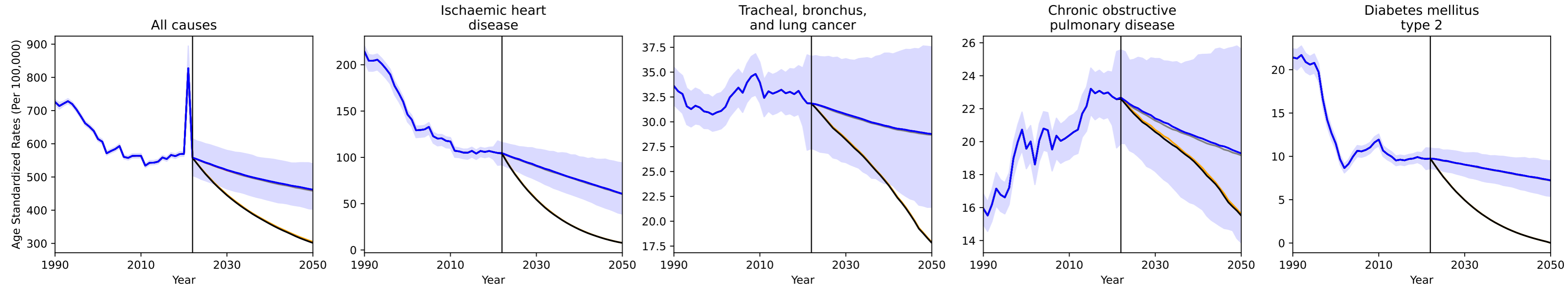


# Bermuda



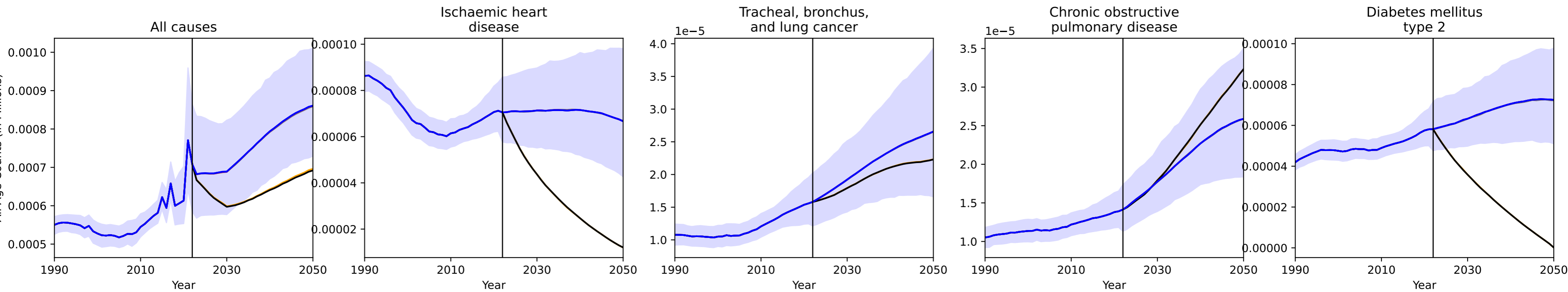
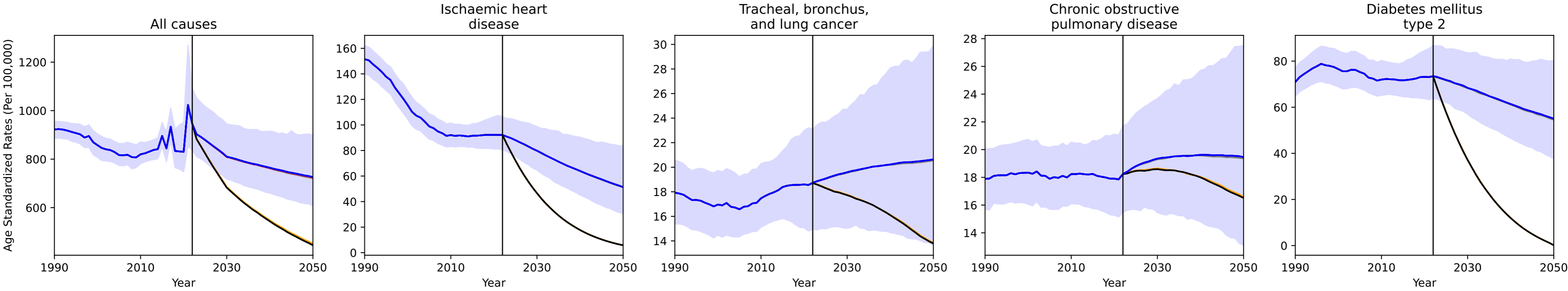
# Cuba

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

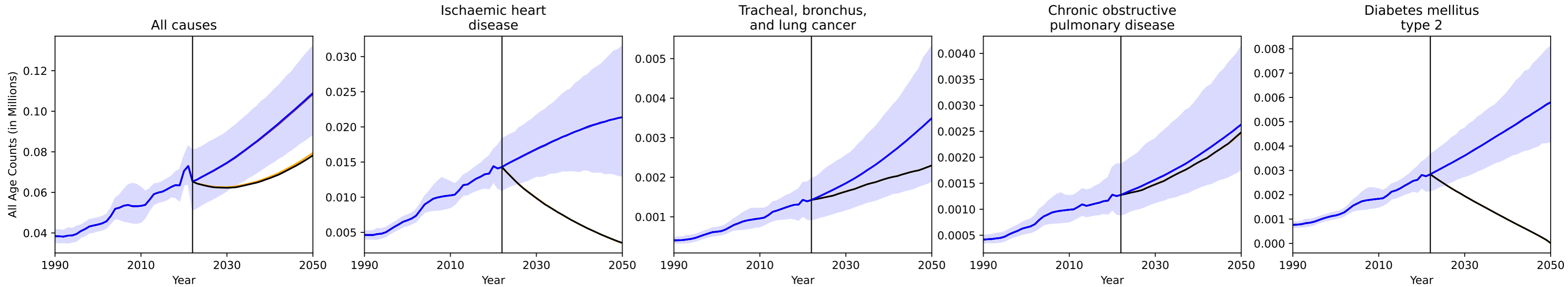
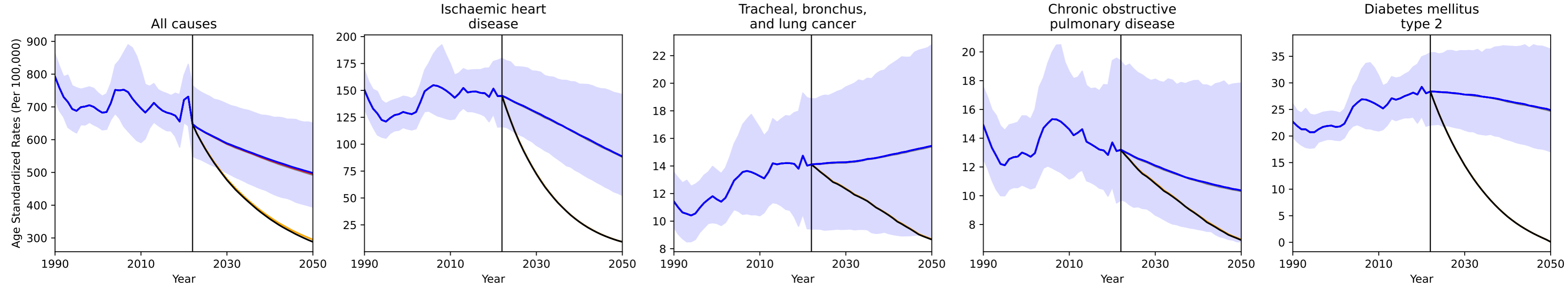




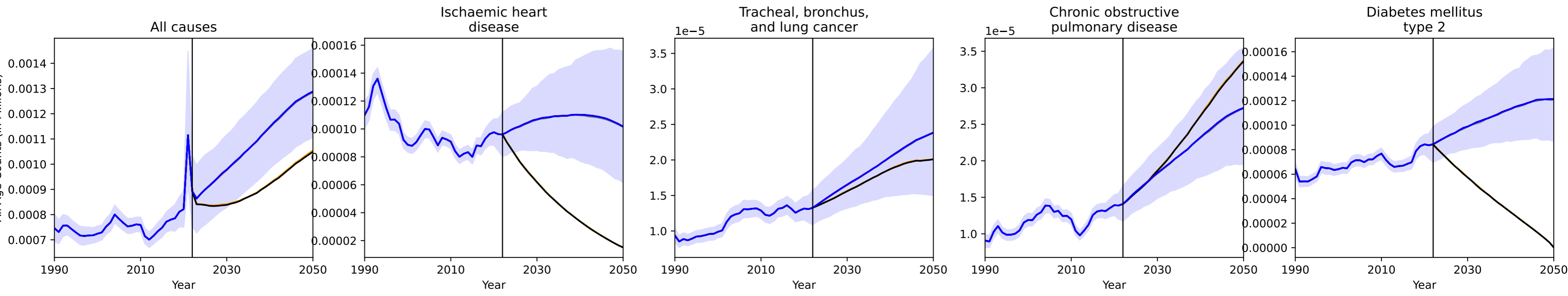
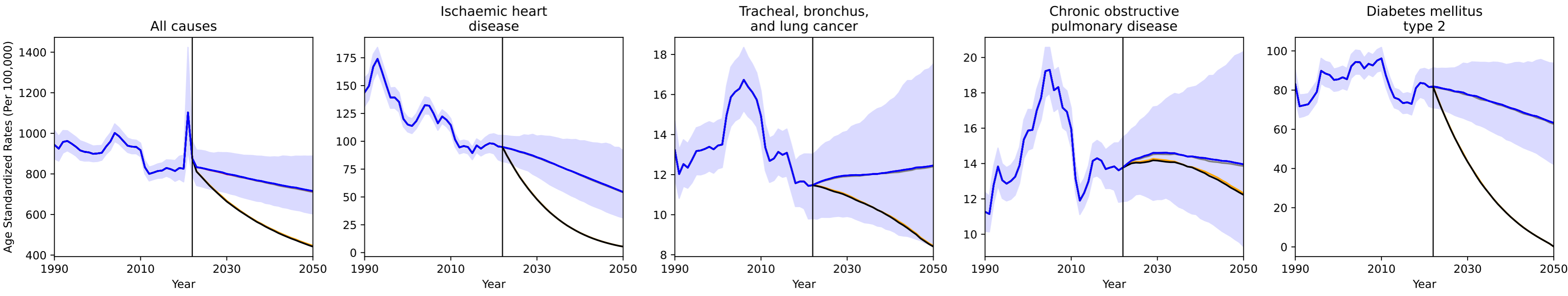
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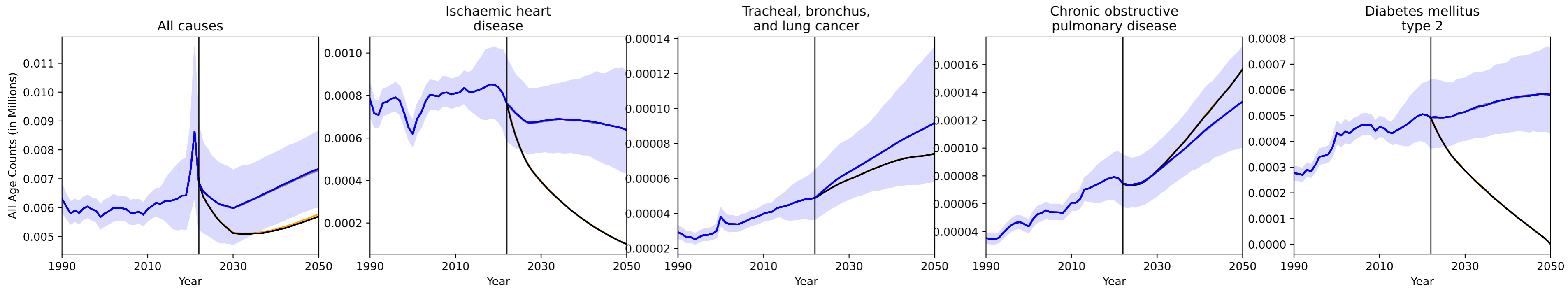
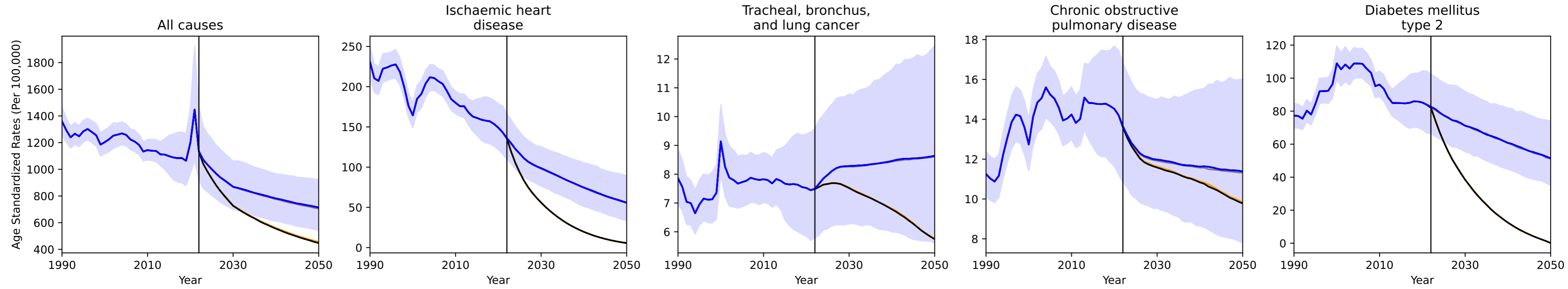
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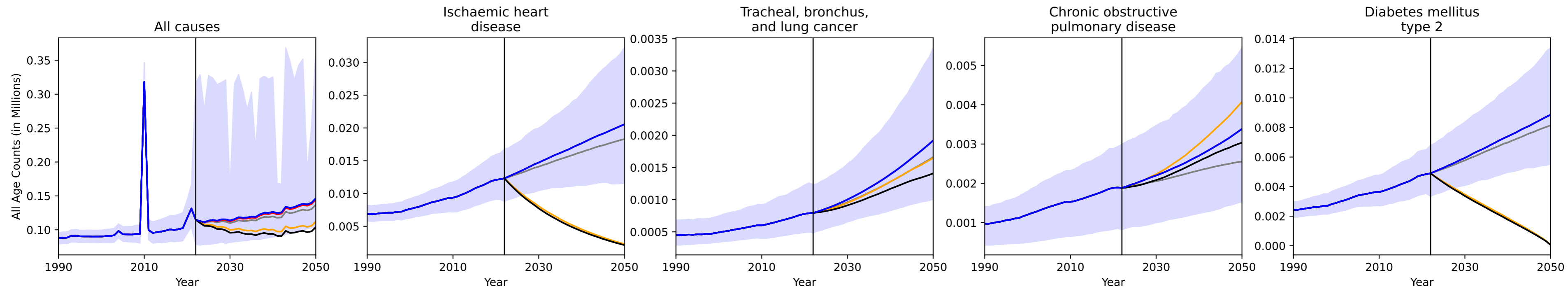
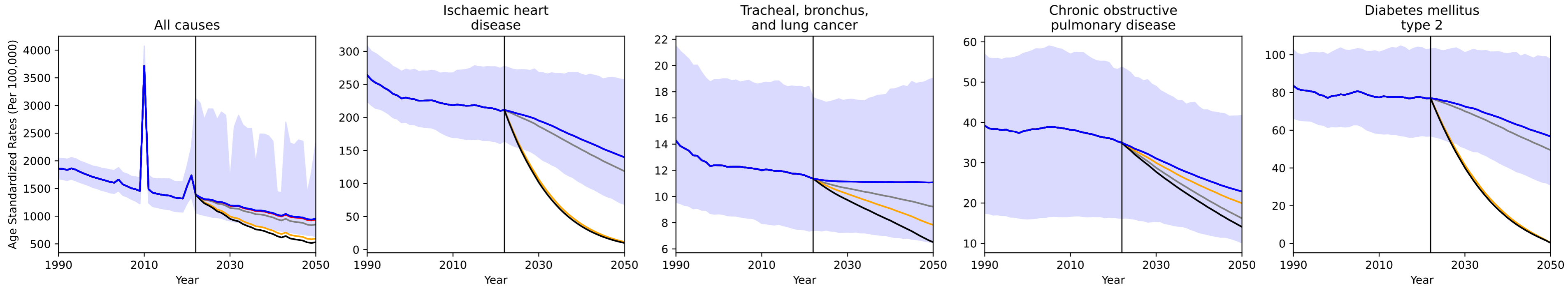
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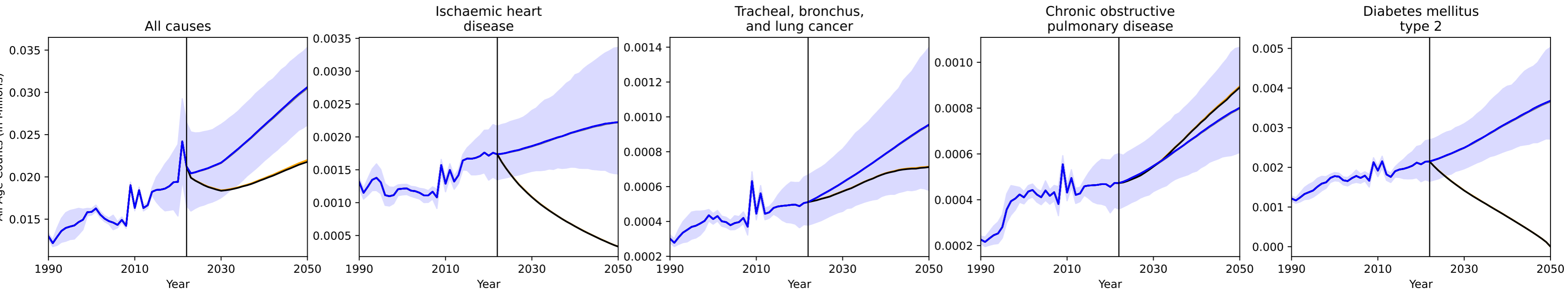
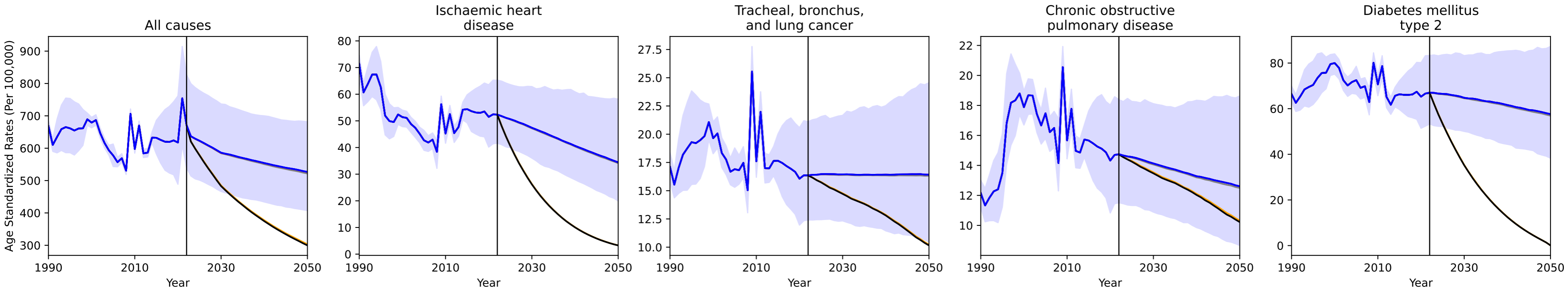
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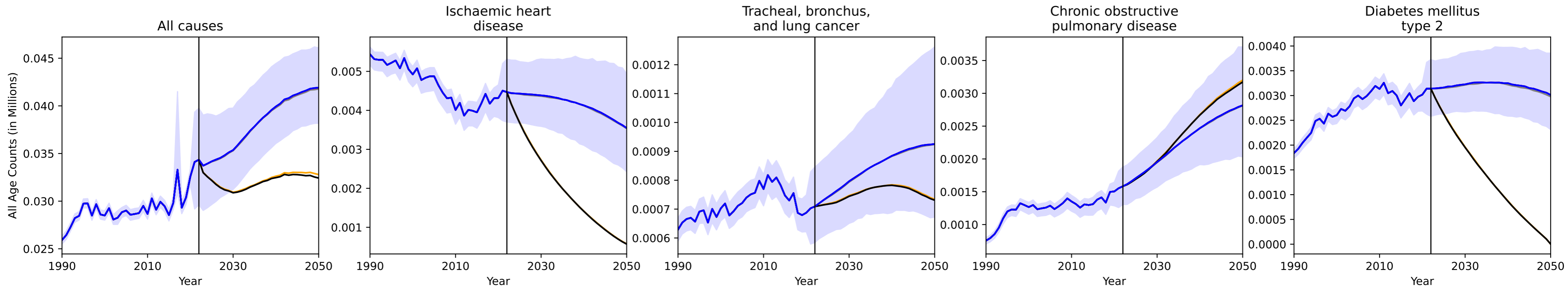
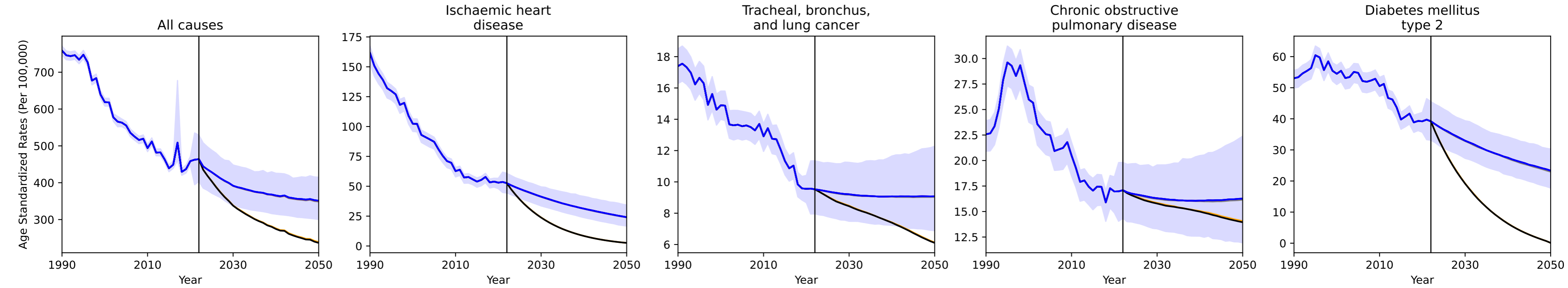
# Haiti



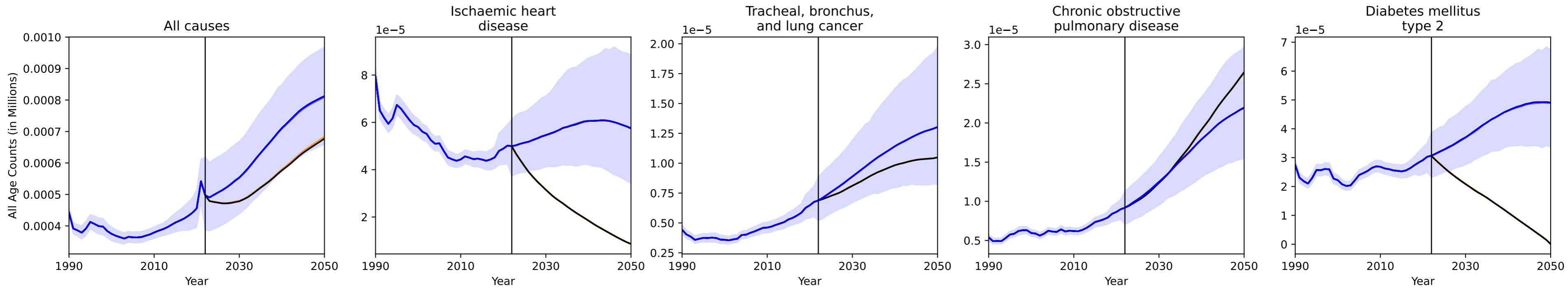
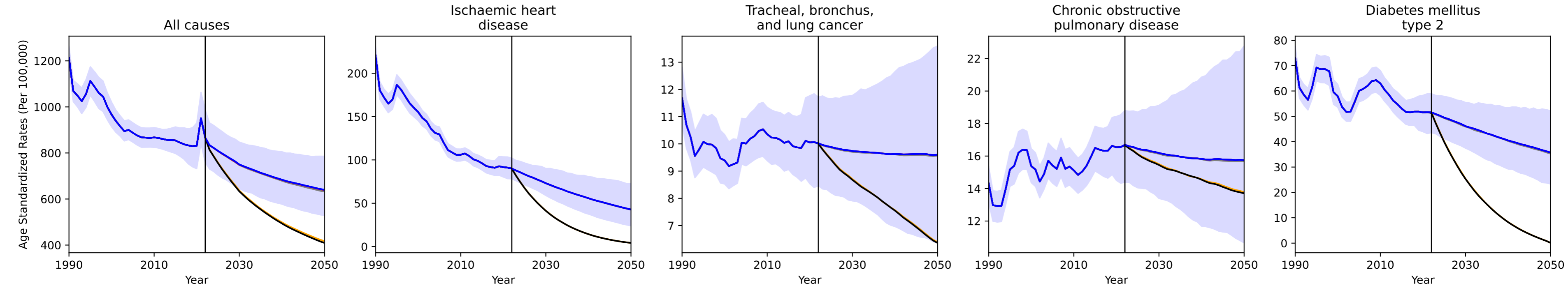
# Jamaica



# Puerto Rico

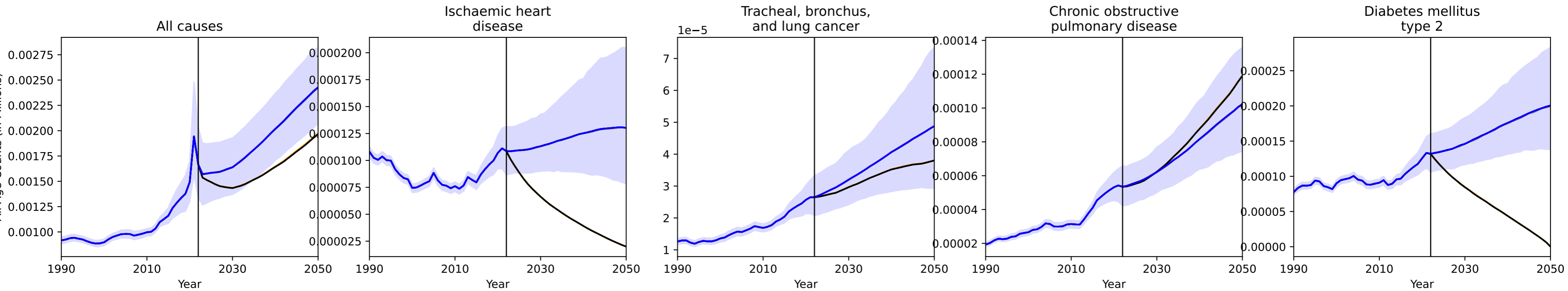
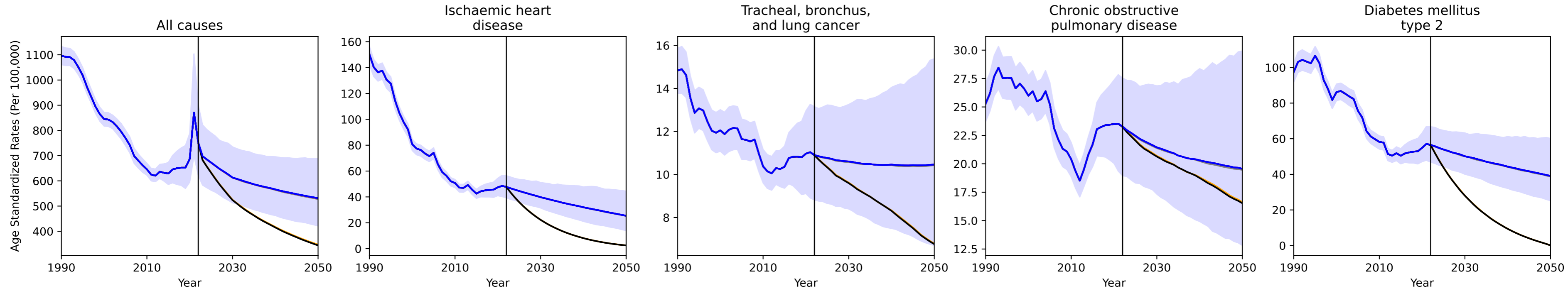


# Saint Kitts And Nevis

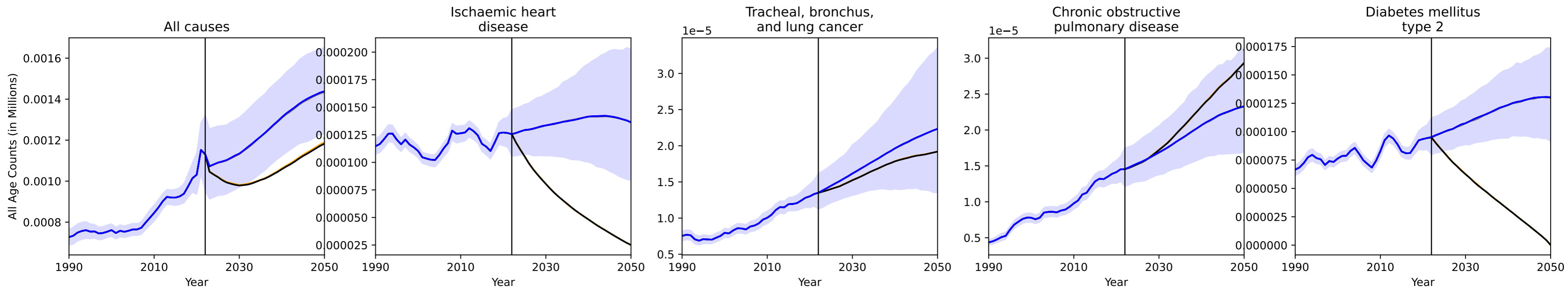
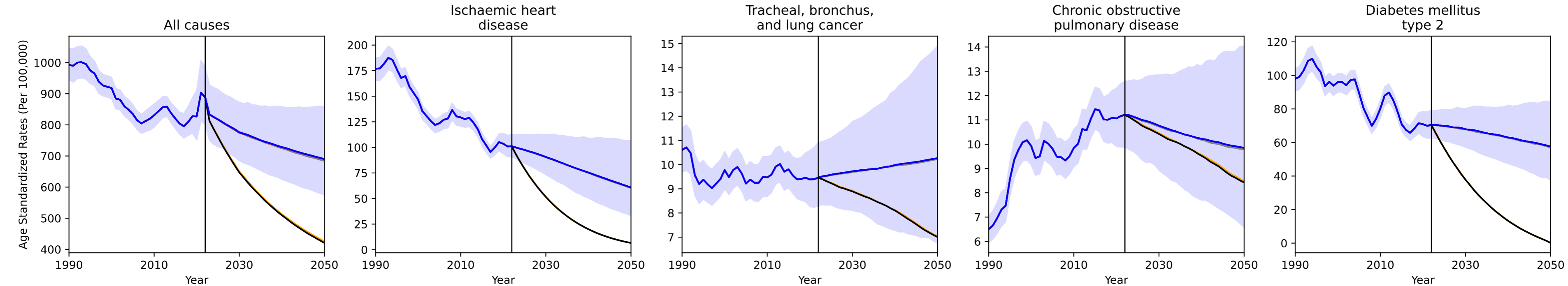




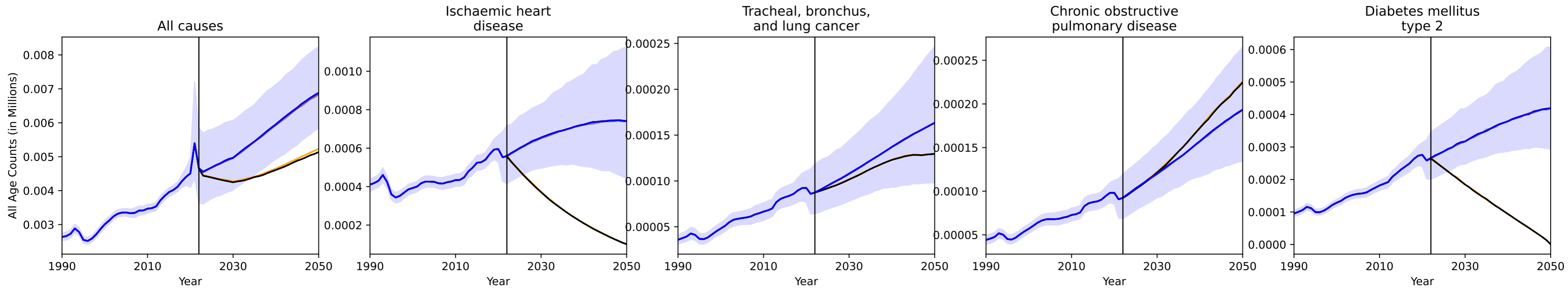
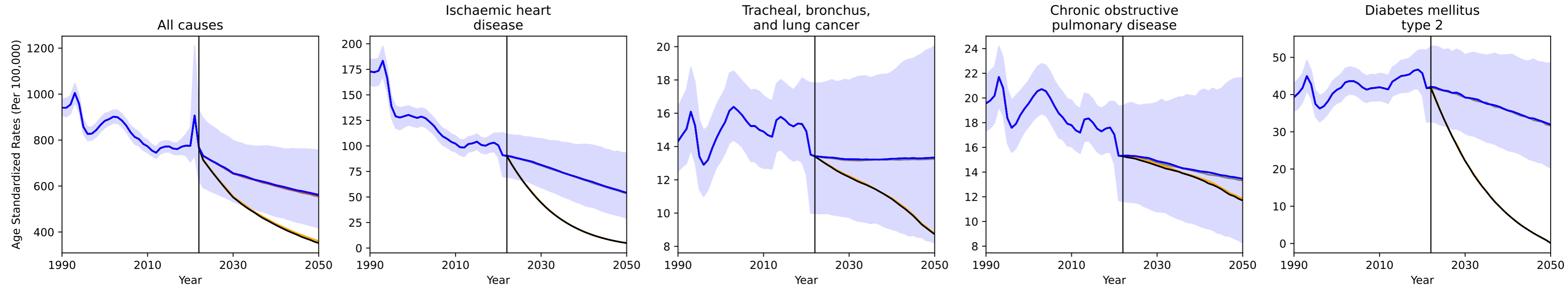
# Saint Lucia



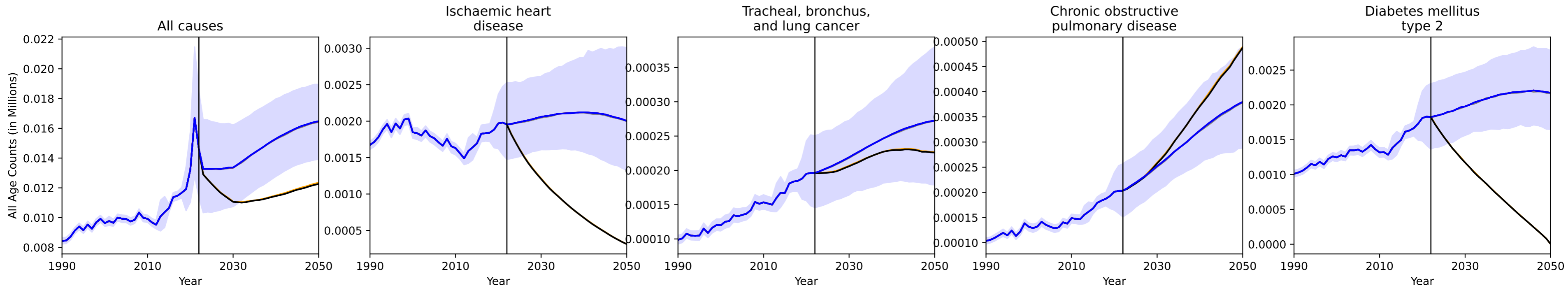
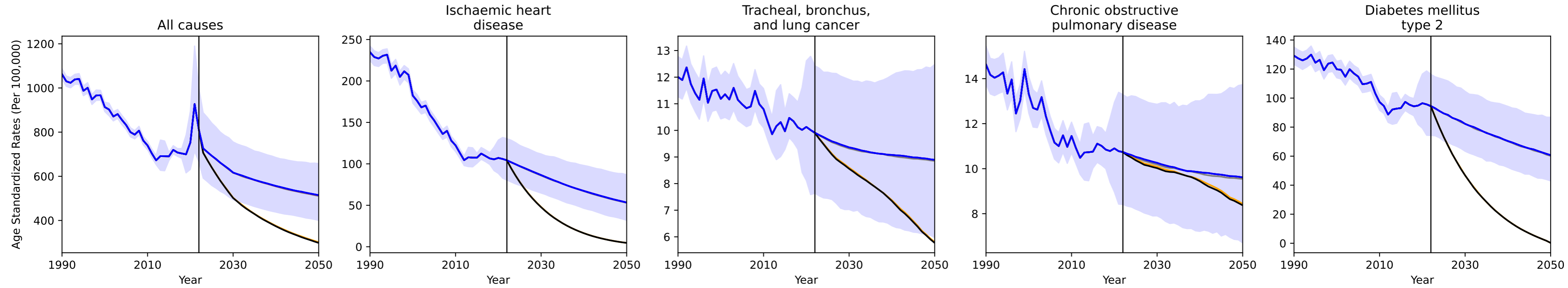
# Saint Vincent And The Grenadines



# Suriname

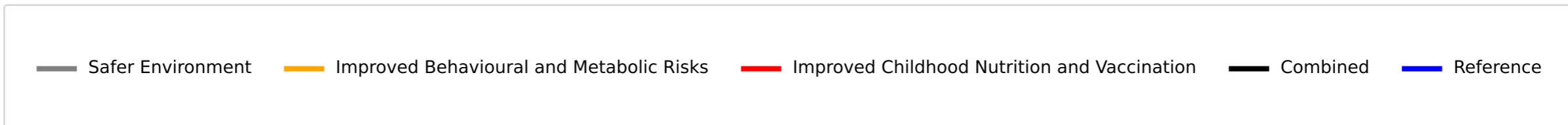
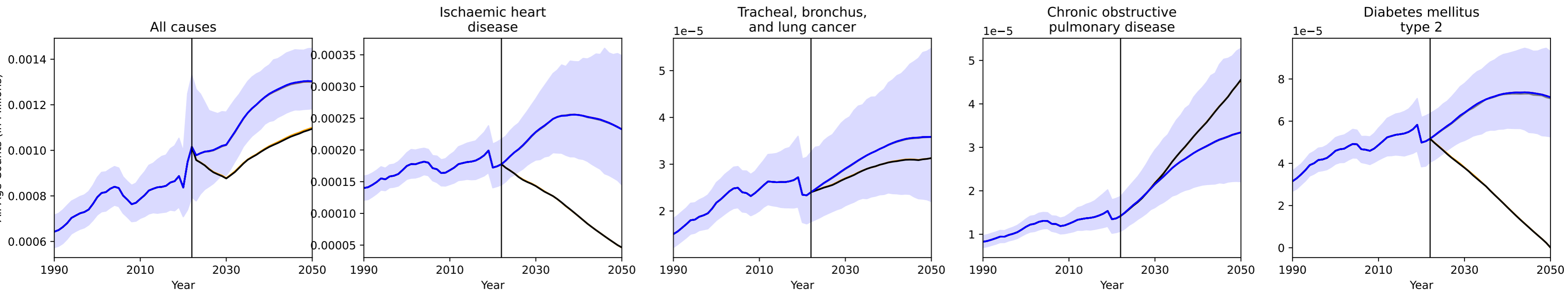
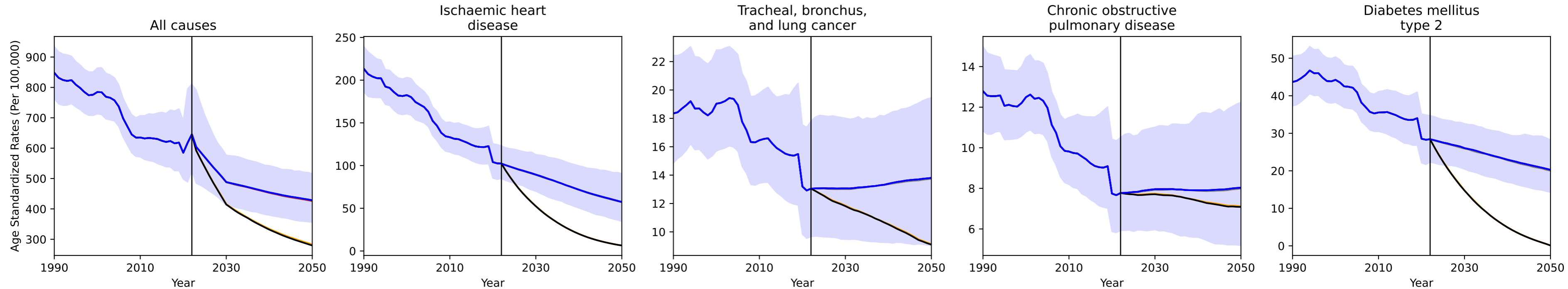


# Trinidad And Tobago

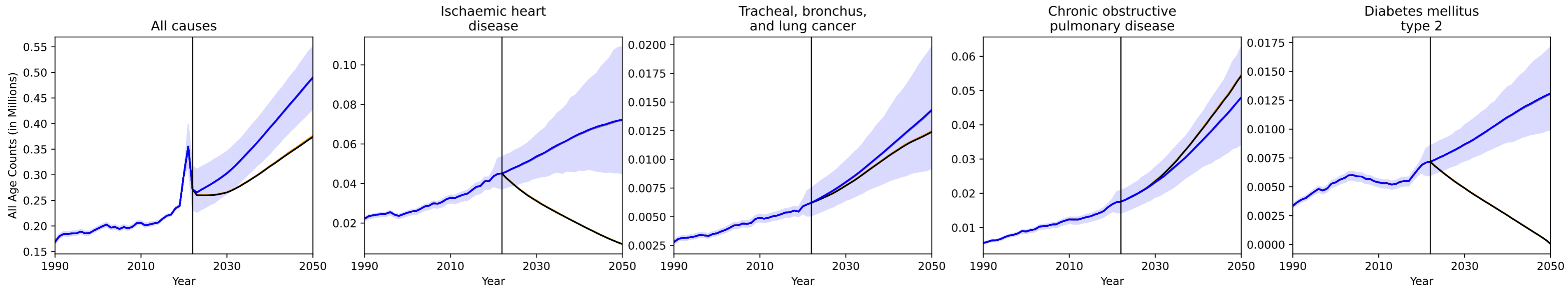
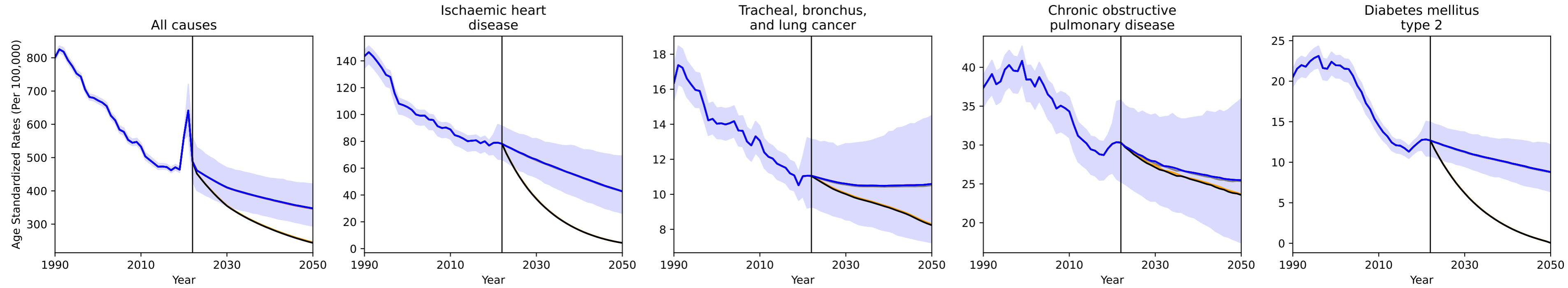


# Virgin Islands

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

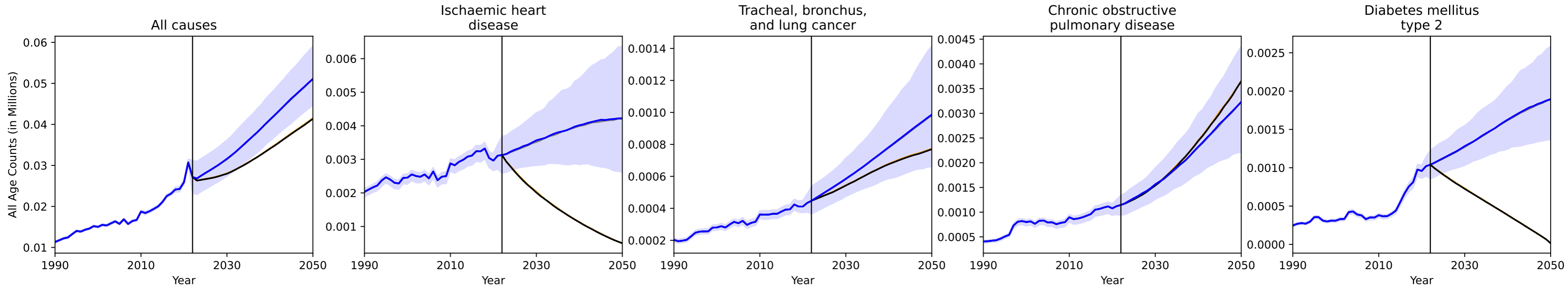
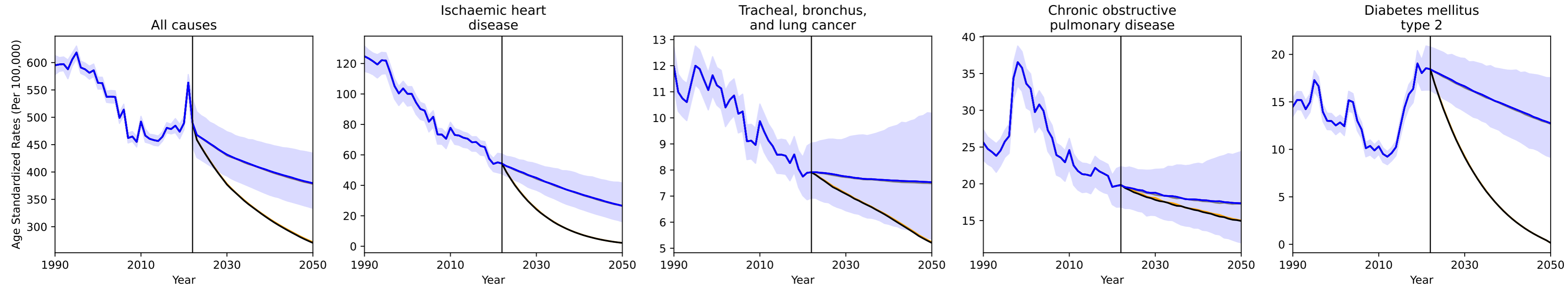


# Colombia

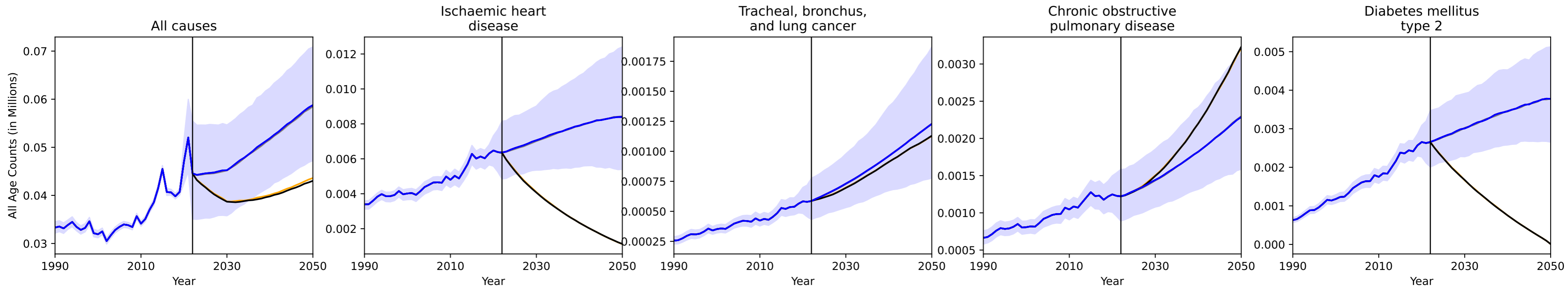
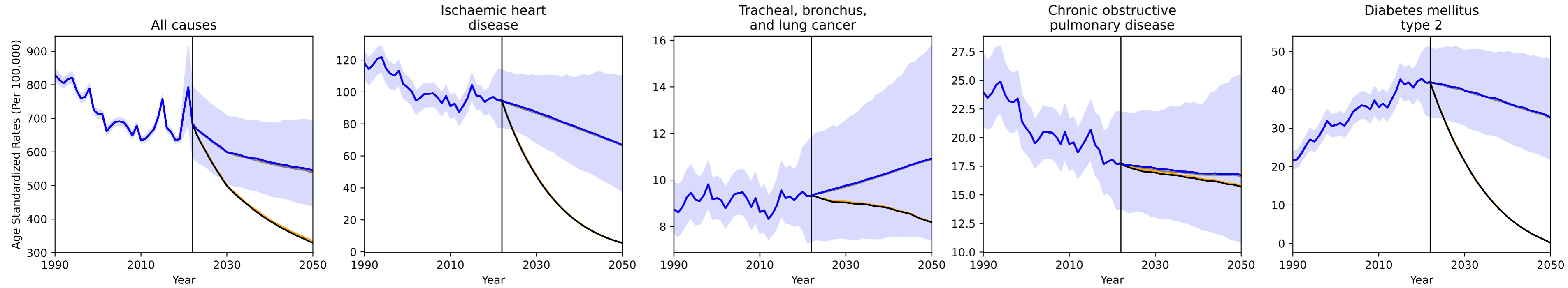


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# Costa Rica

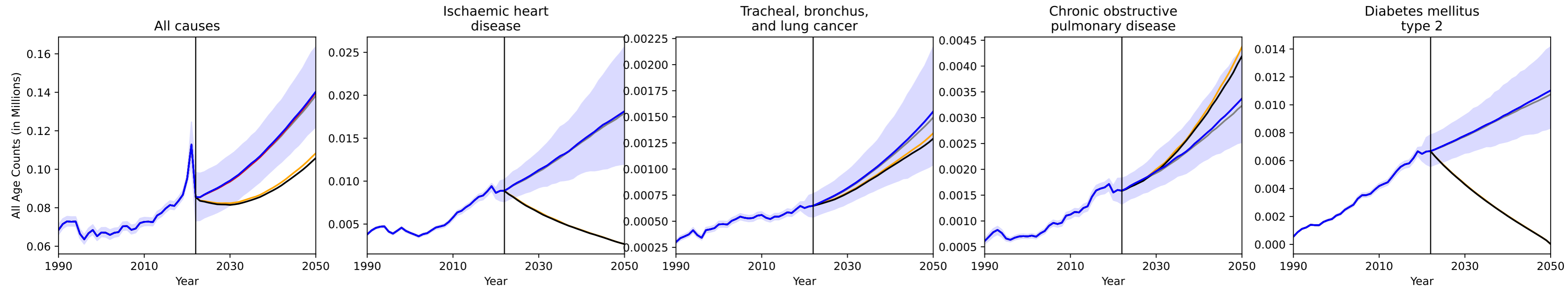
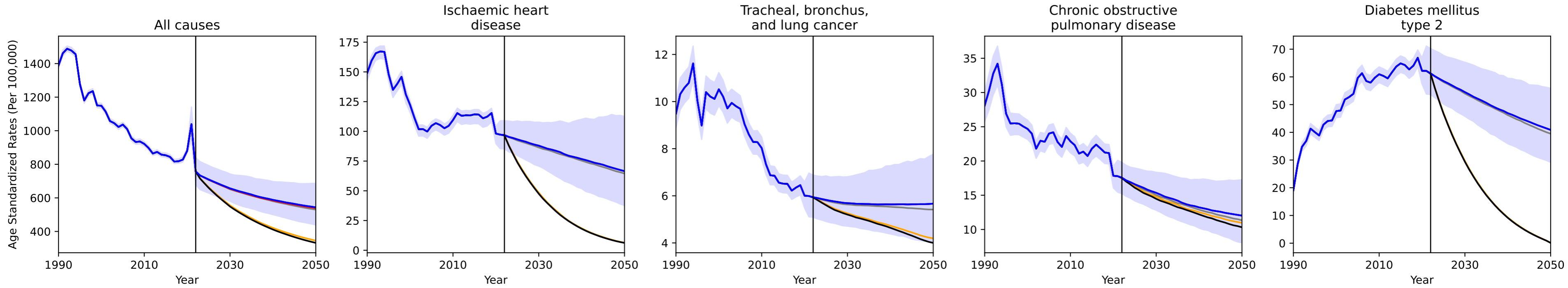


# El Salvador

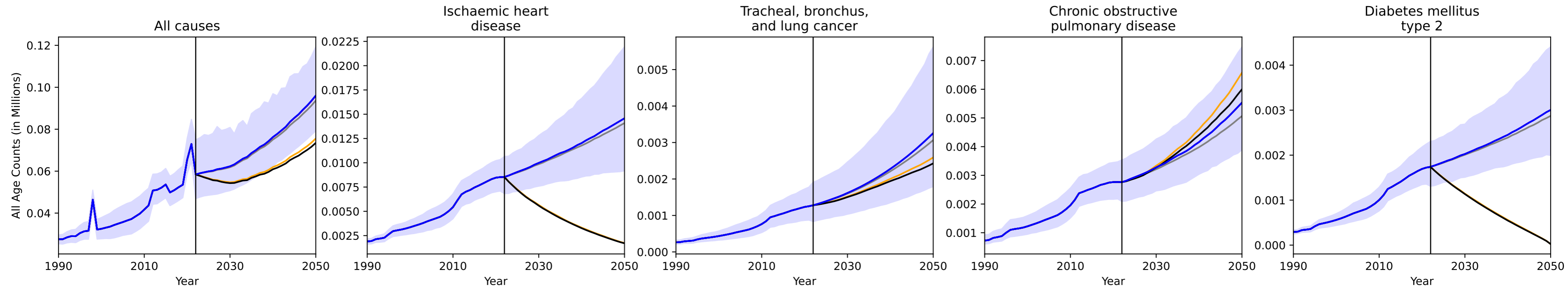
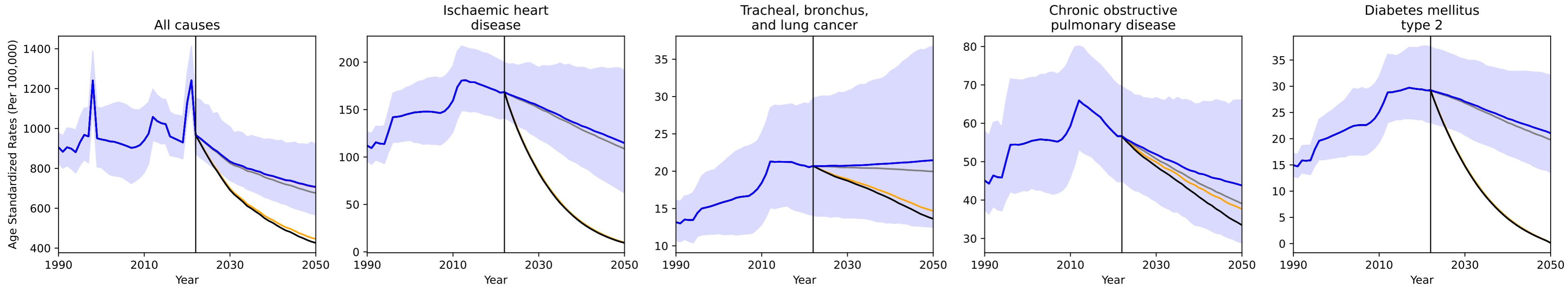




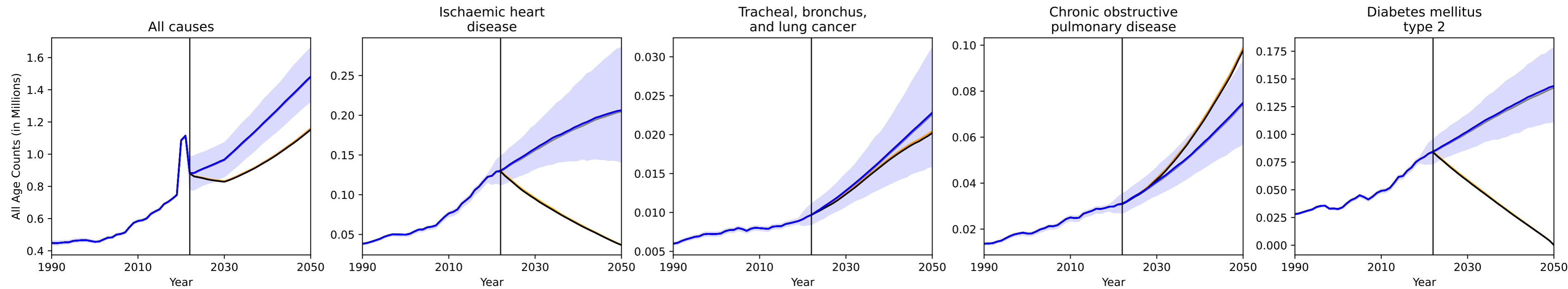
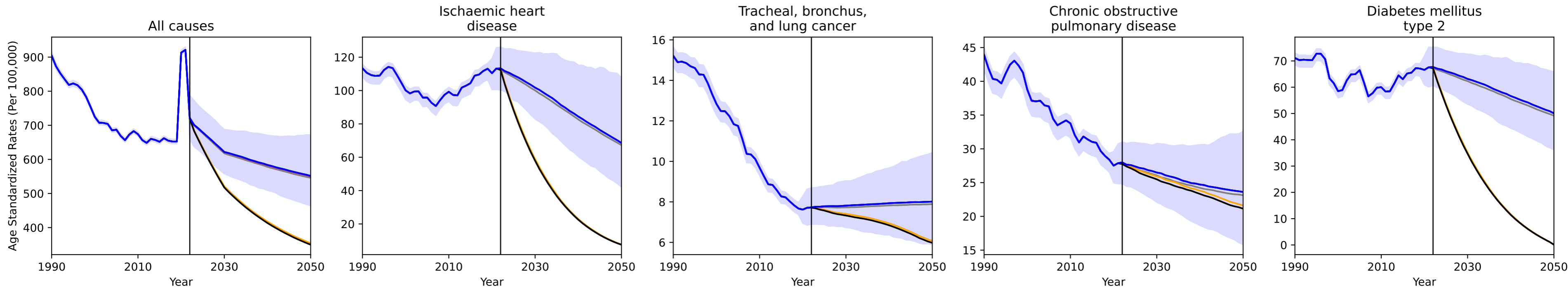
# Guatemala



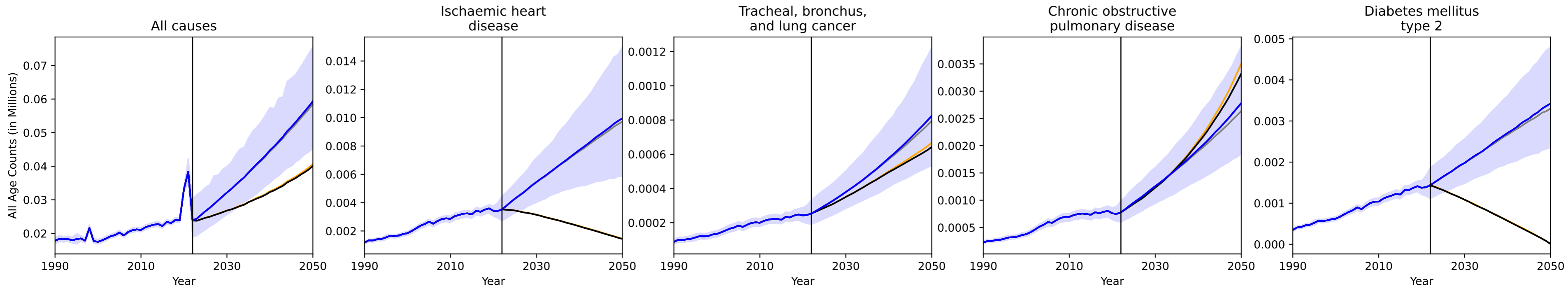
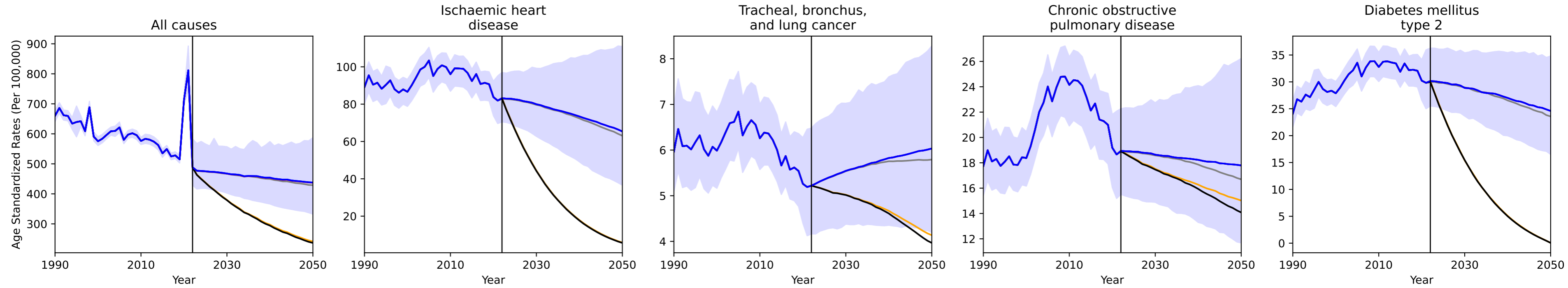
# Honduras



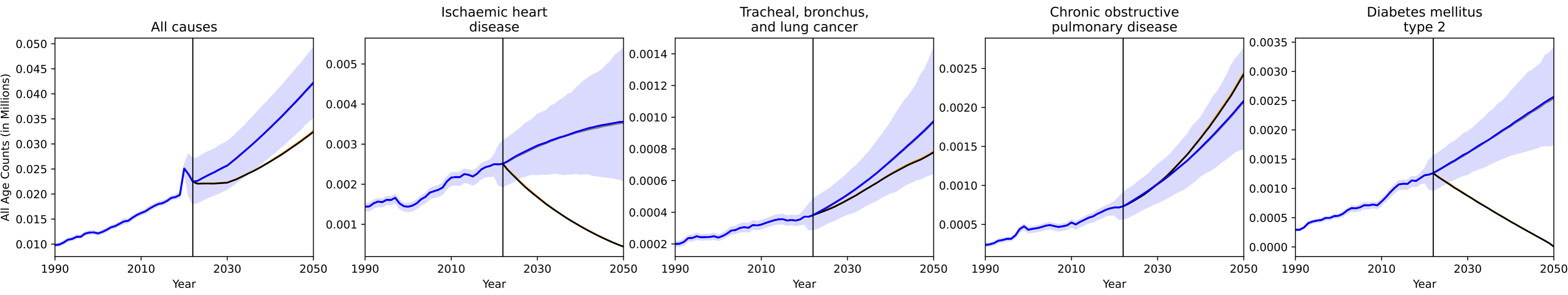
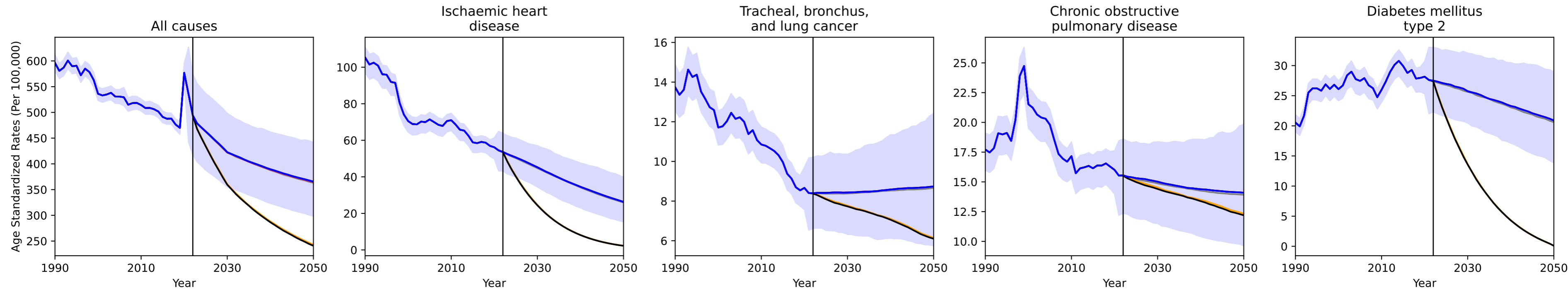
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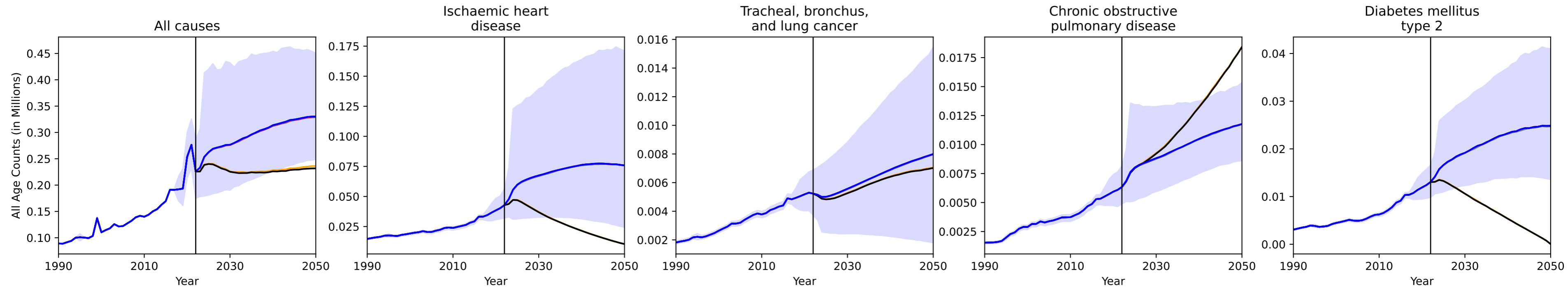
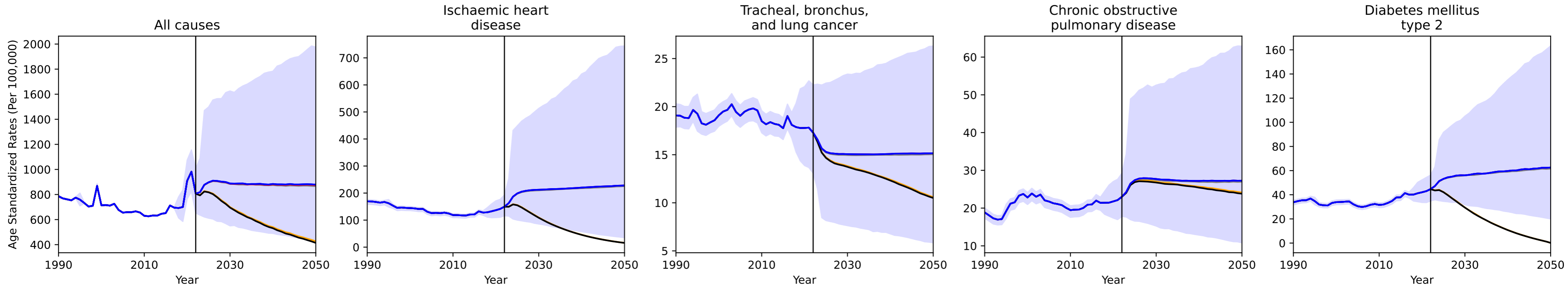
# Nicaragua



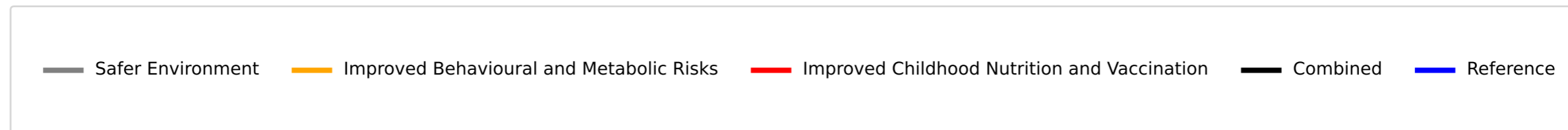
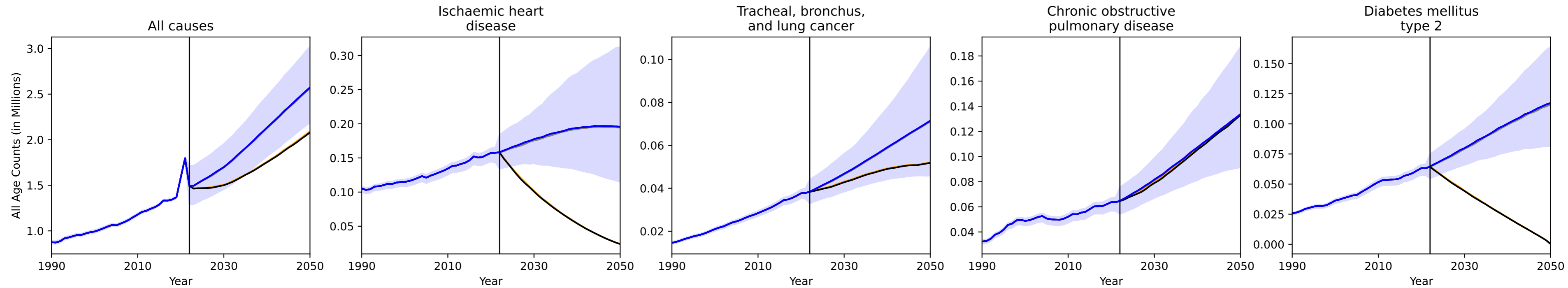
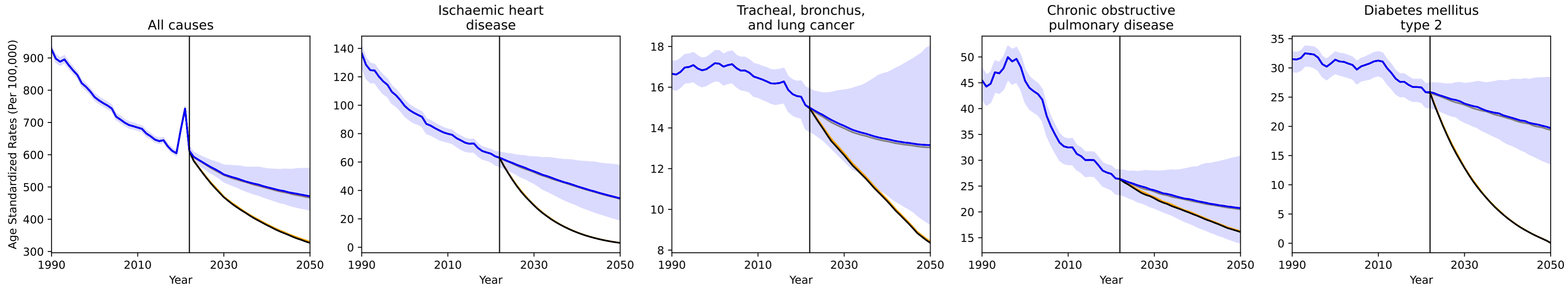
# Panama



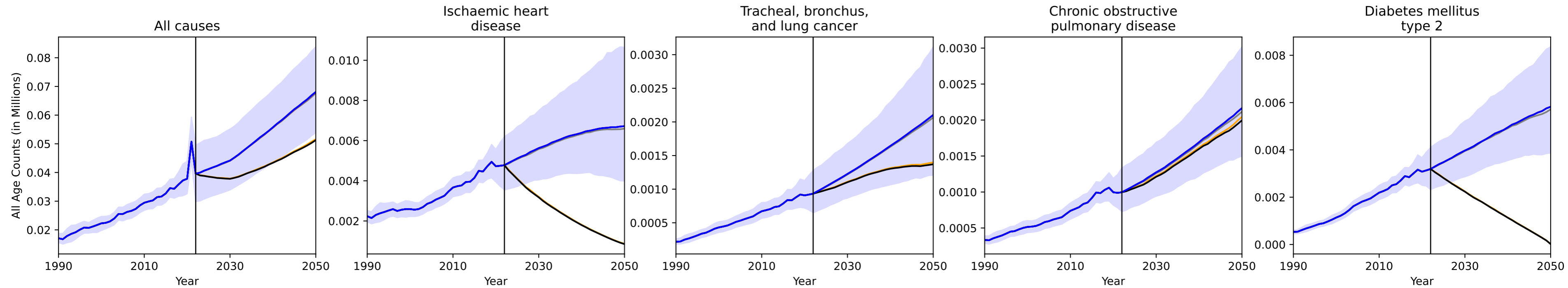
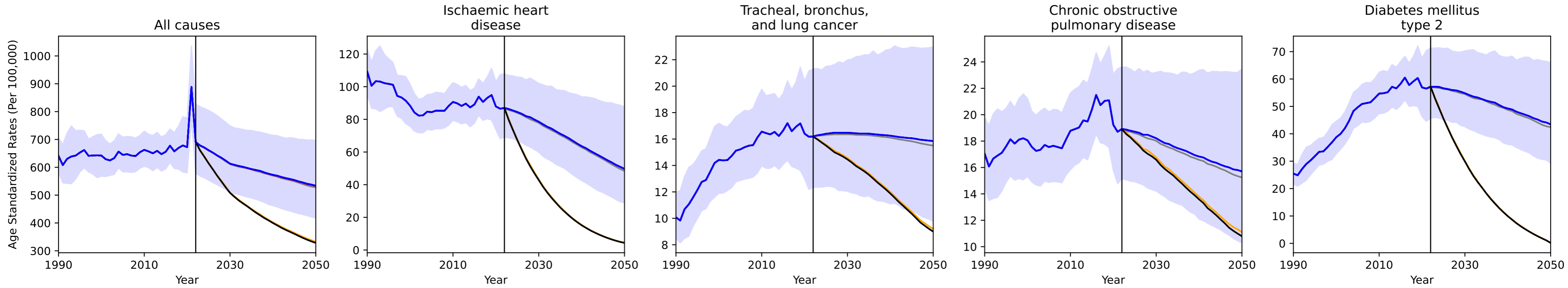
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# Brazil



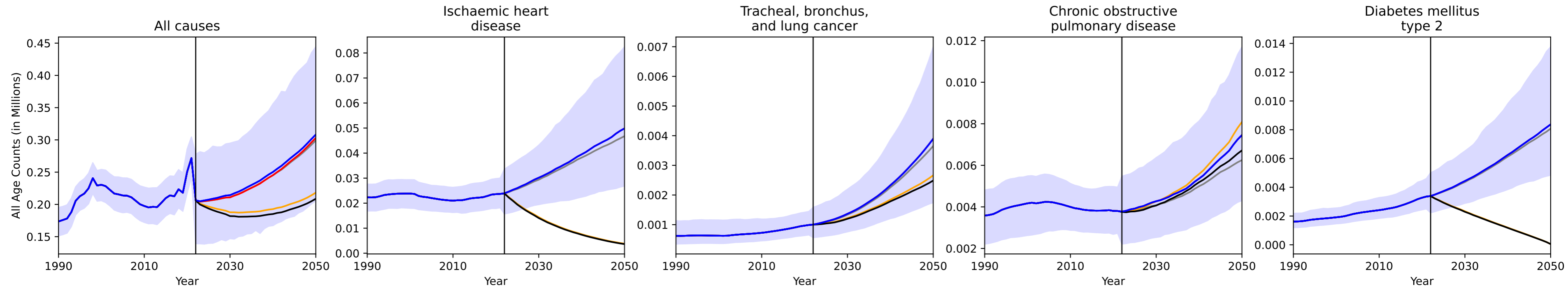
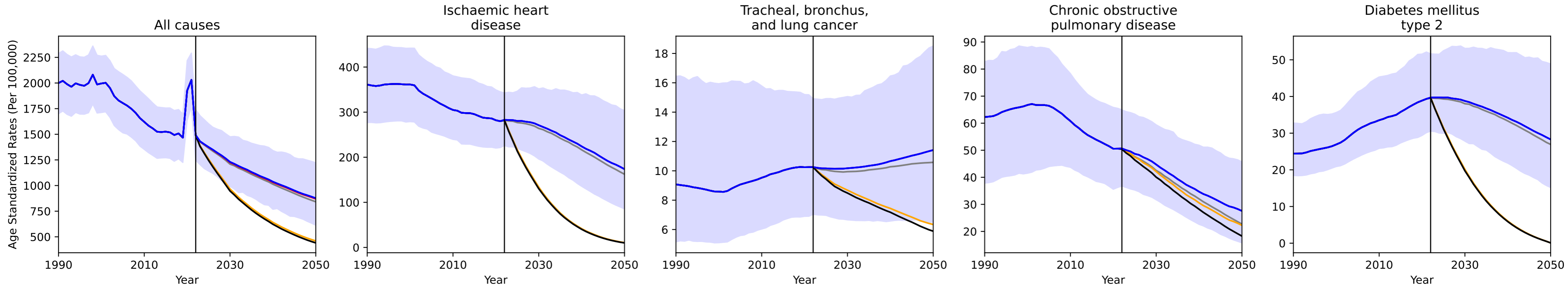
# Paraguay



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

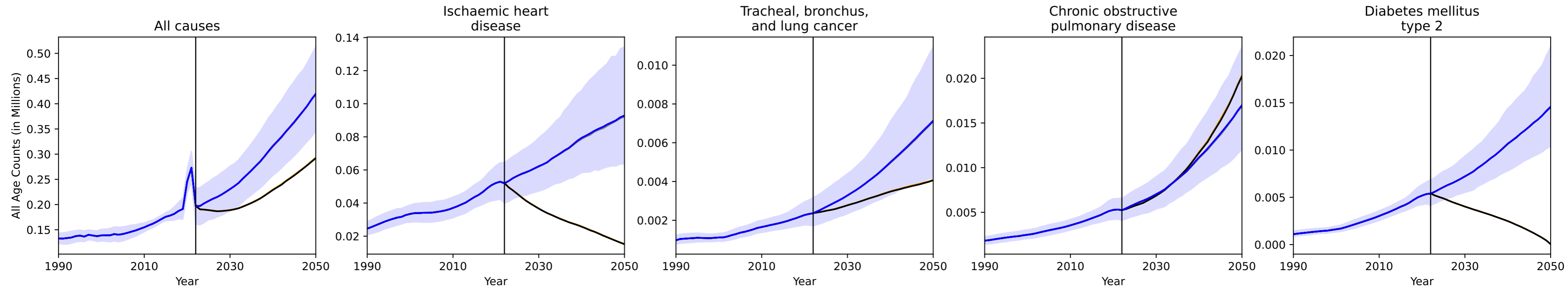
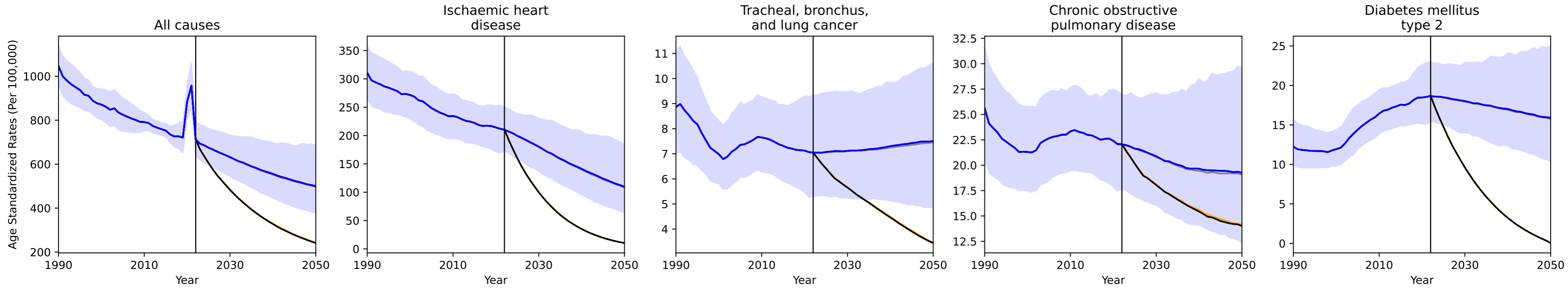


# Afghanistan



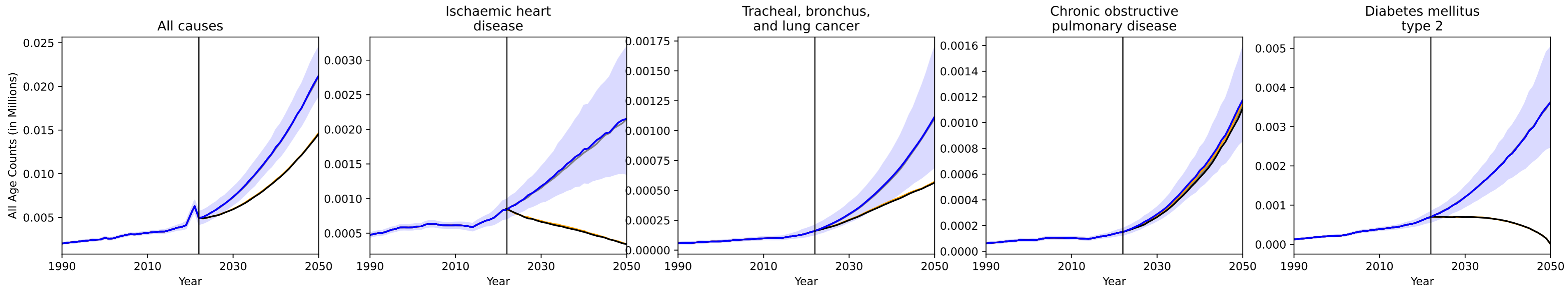
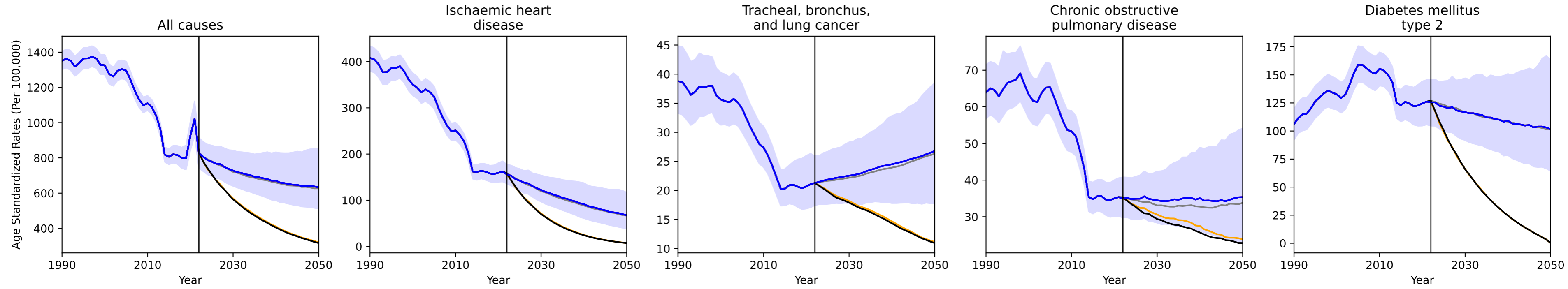
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# Algeria

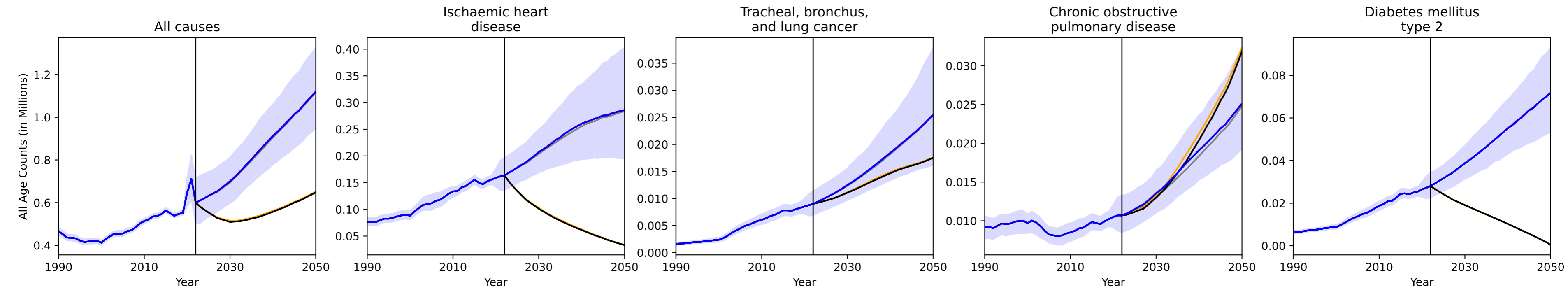
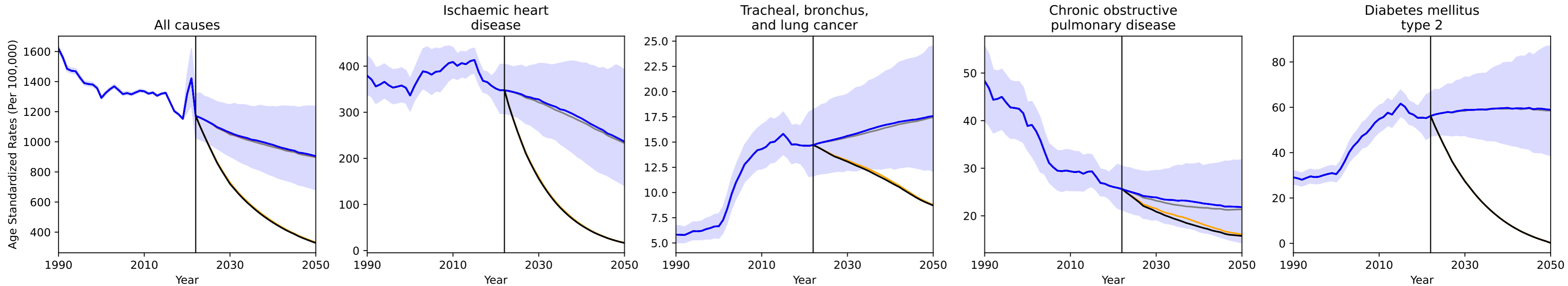


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# Bahrain

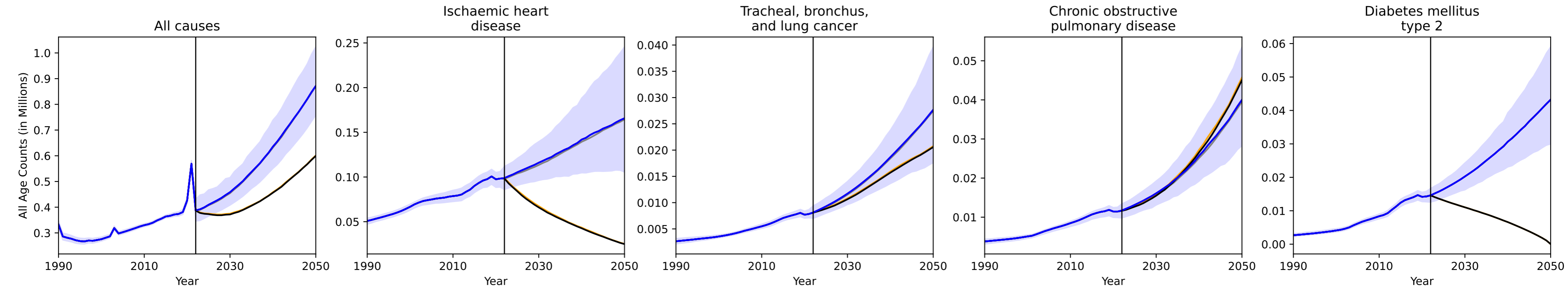
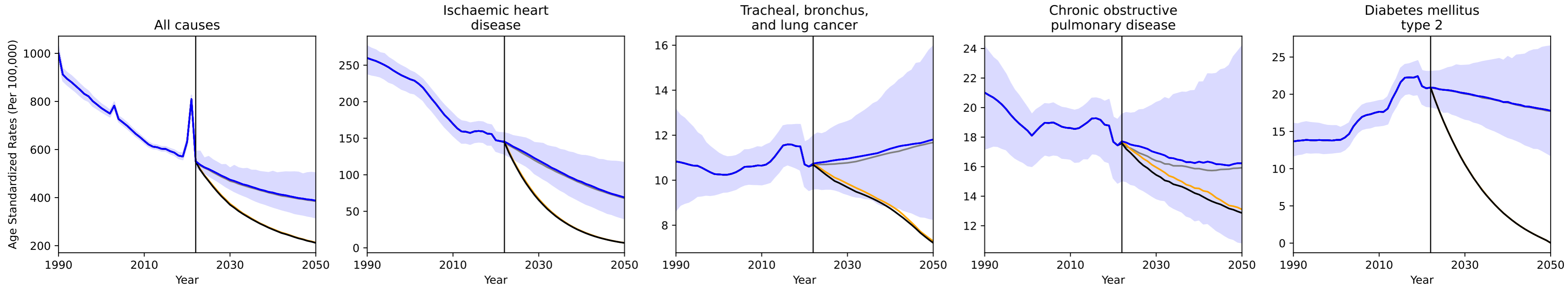


# Egypt



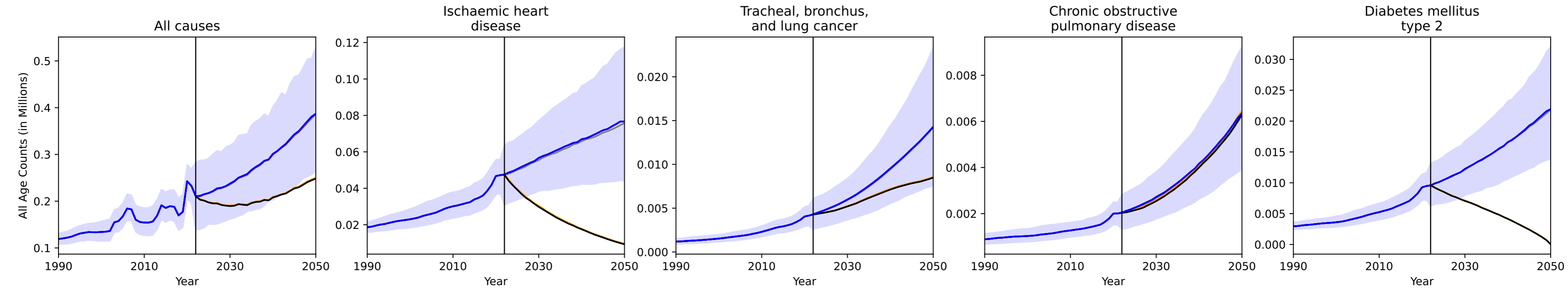
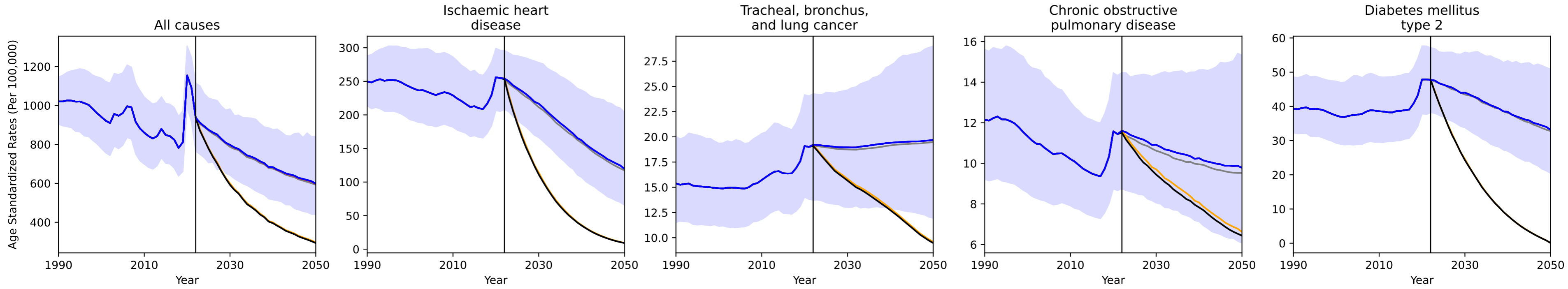
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# Iran



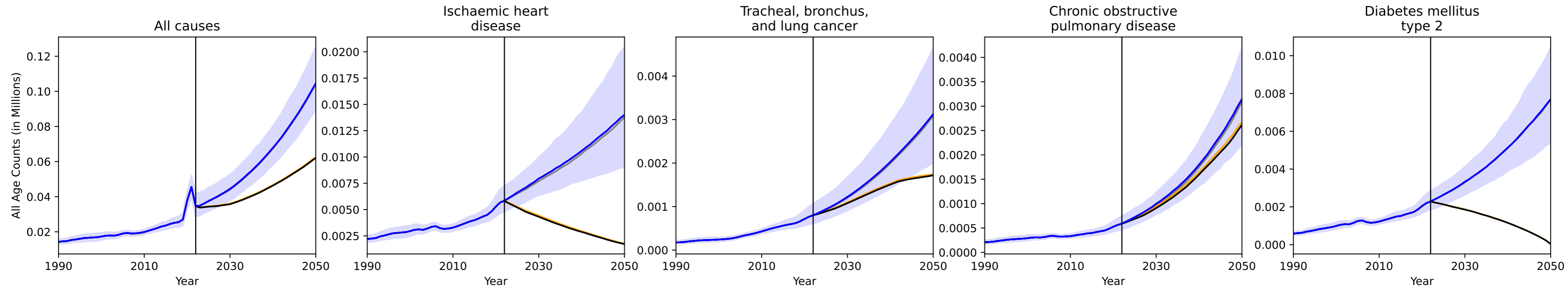
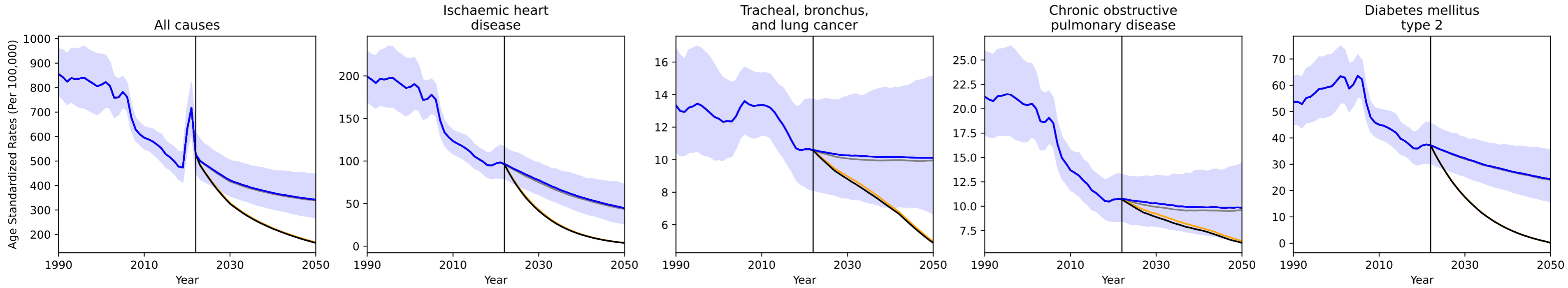
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# Iraq



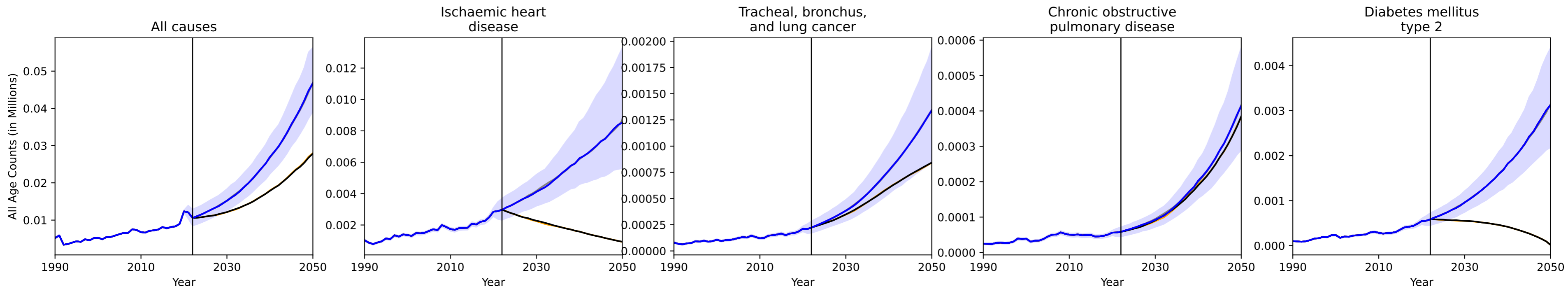
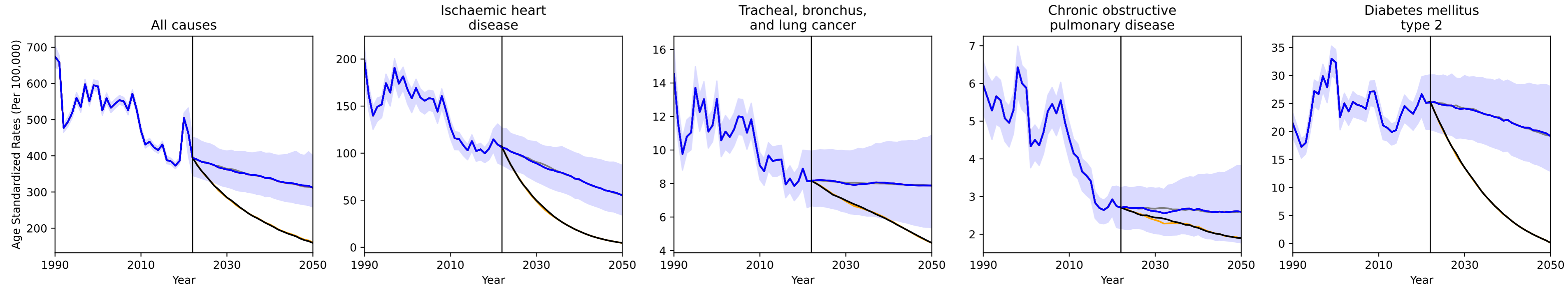
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# Jordan



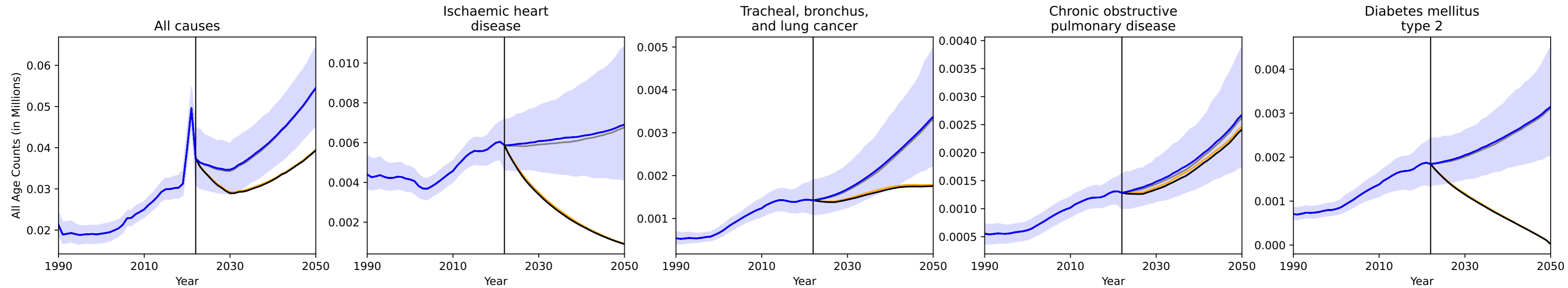
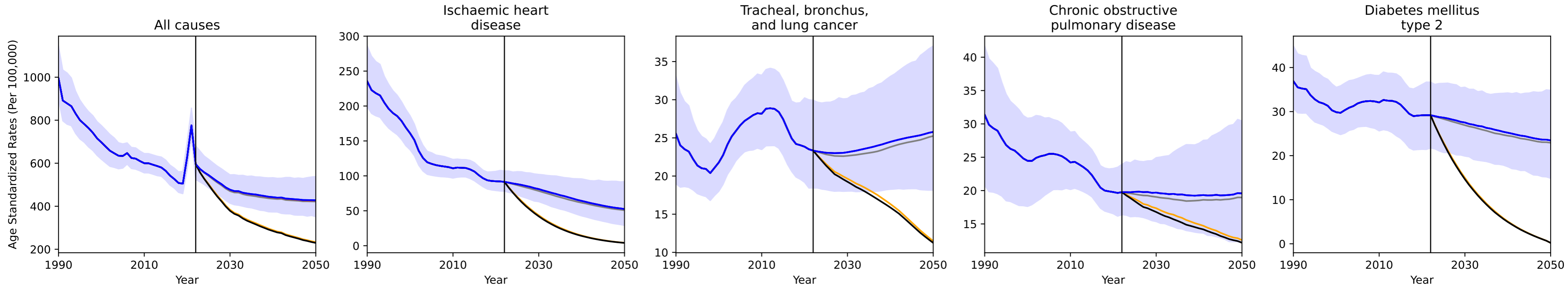
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# Kuwait



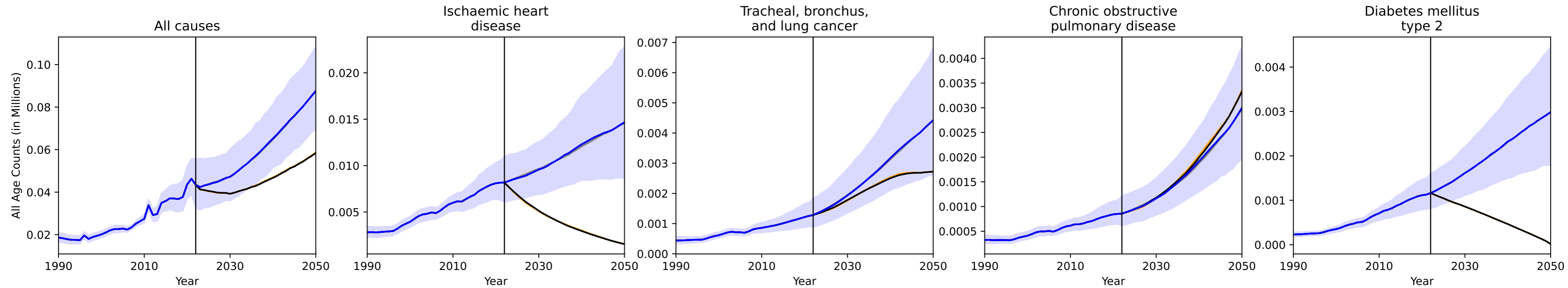
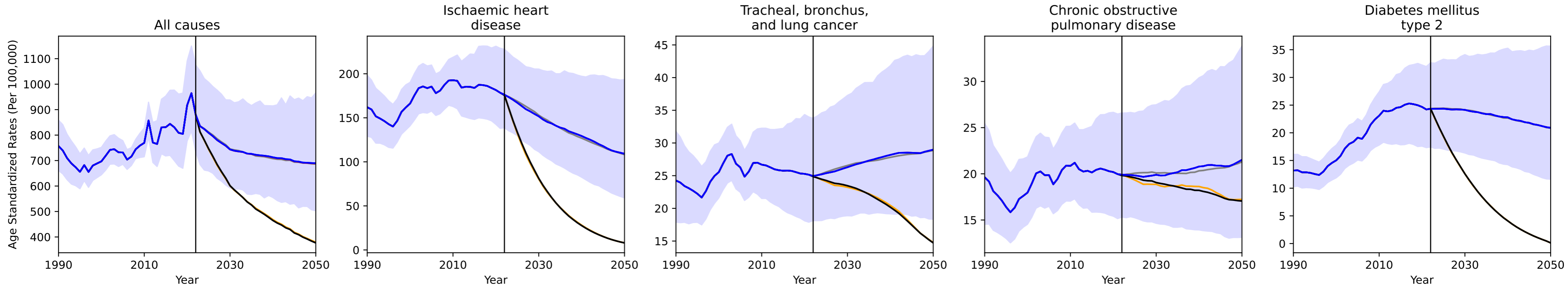


# Lebanon



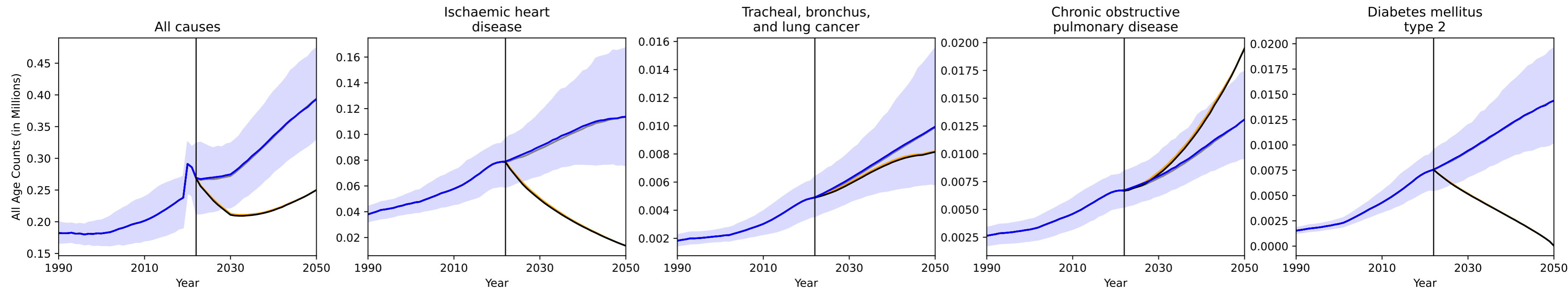
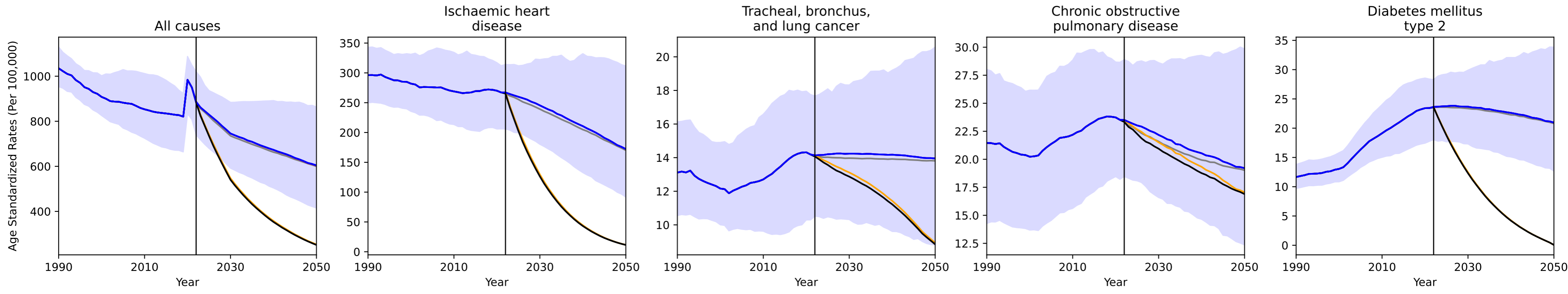
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# Libya

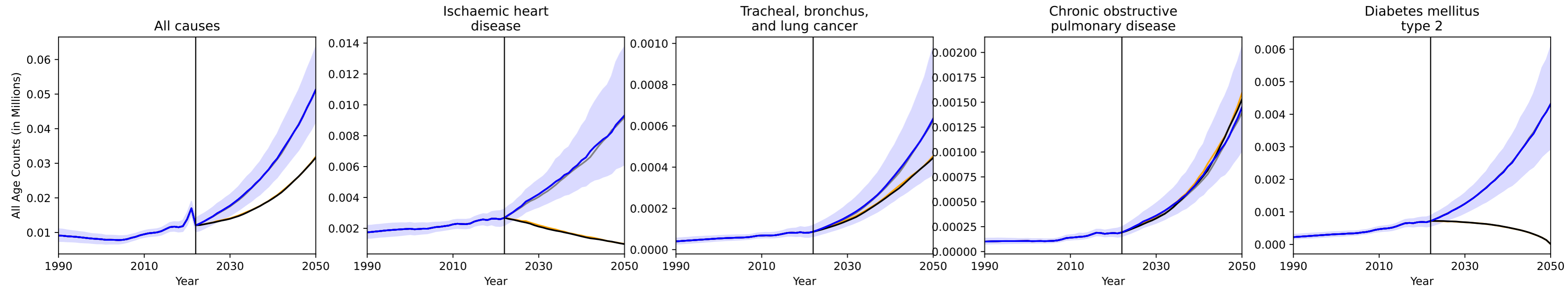
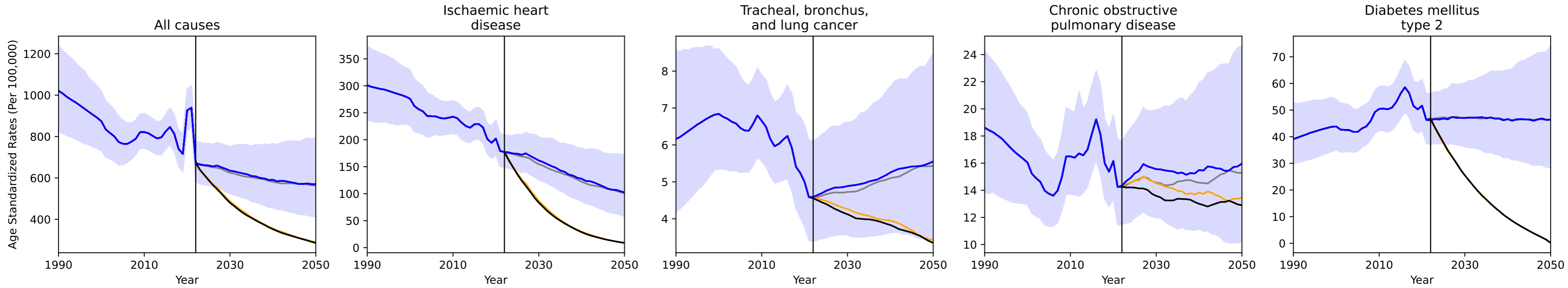


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# Morocco

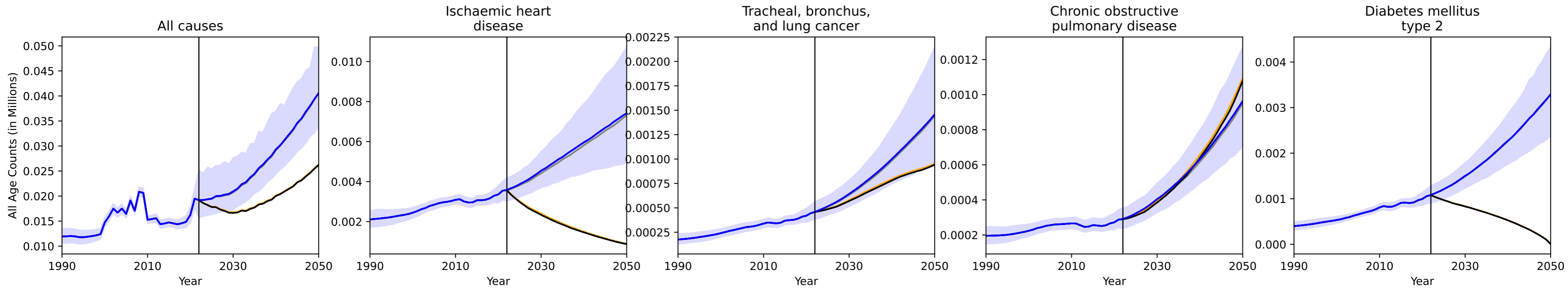
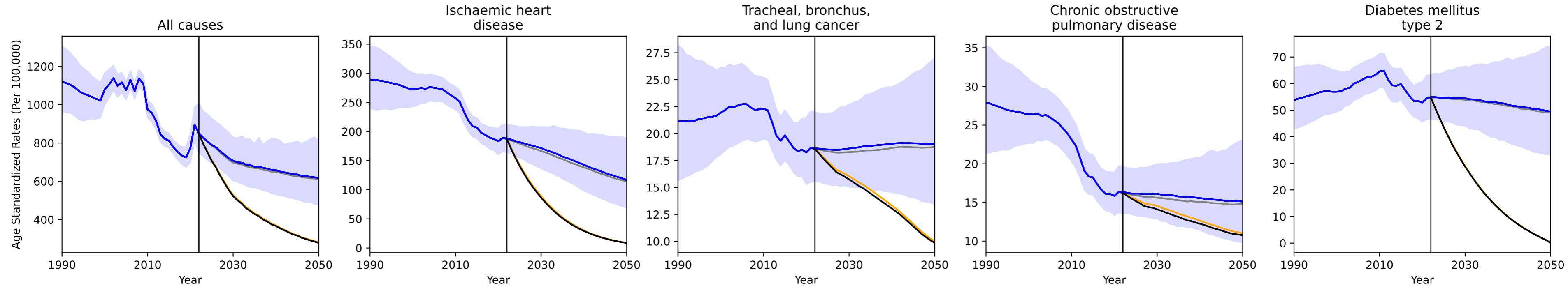


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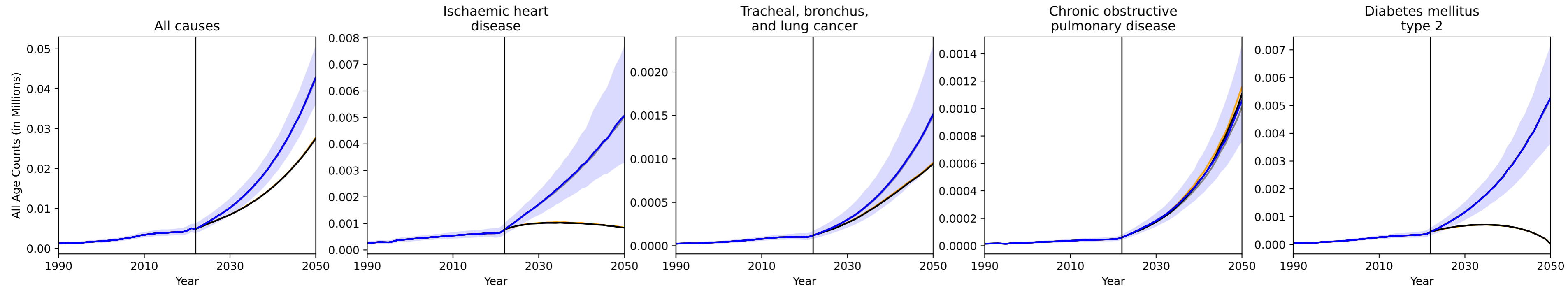
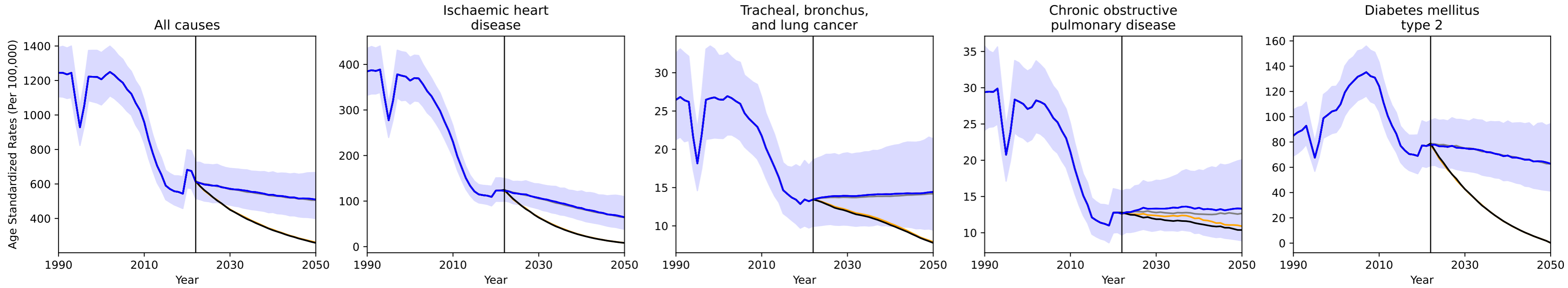


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# Palestine

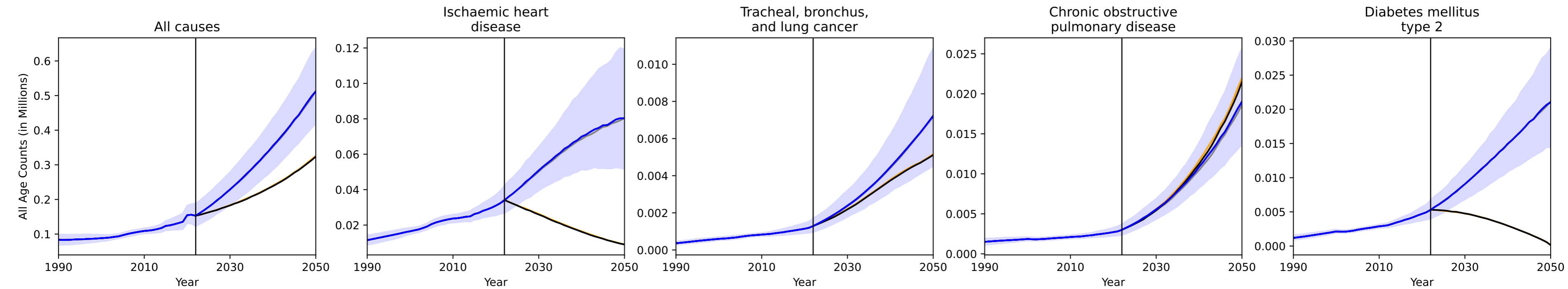
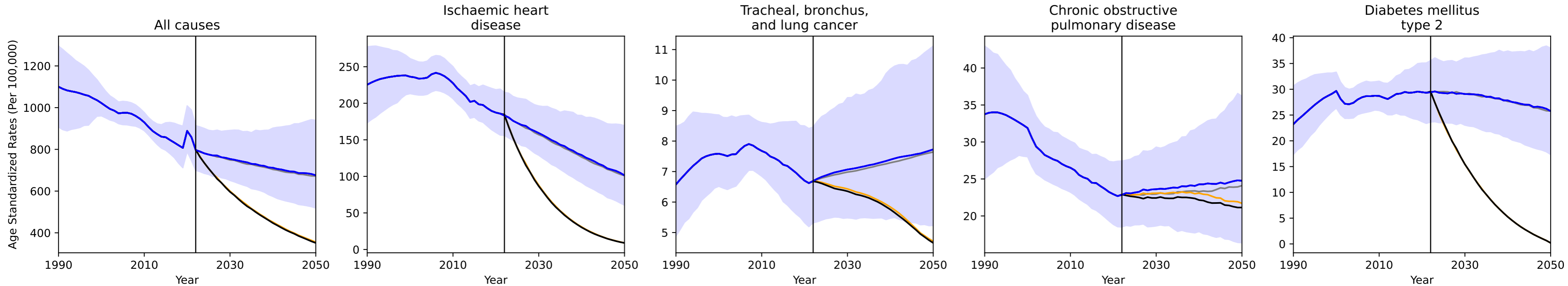


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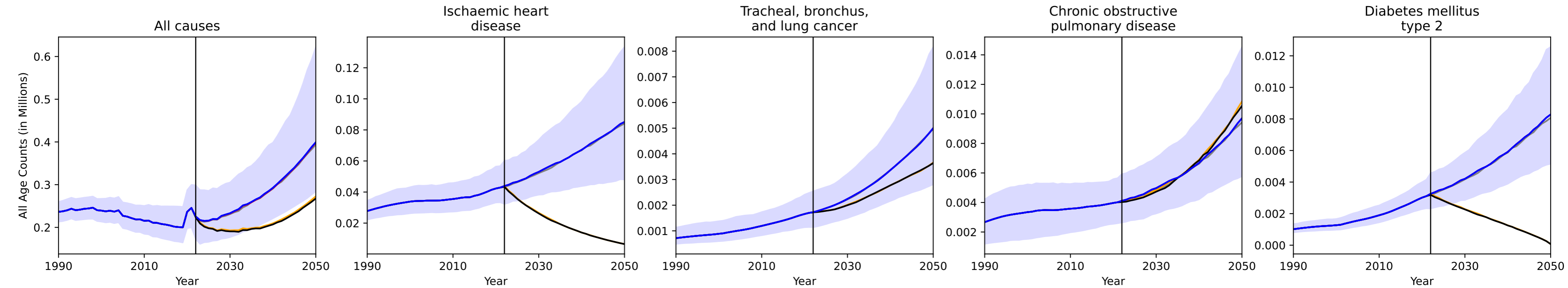
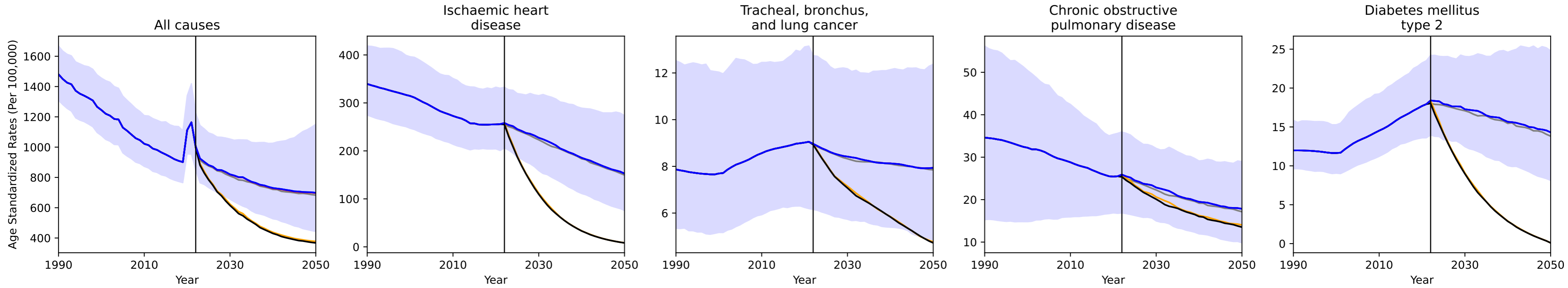


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# Saudi Arabia



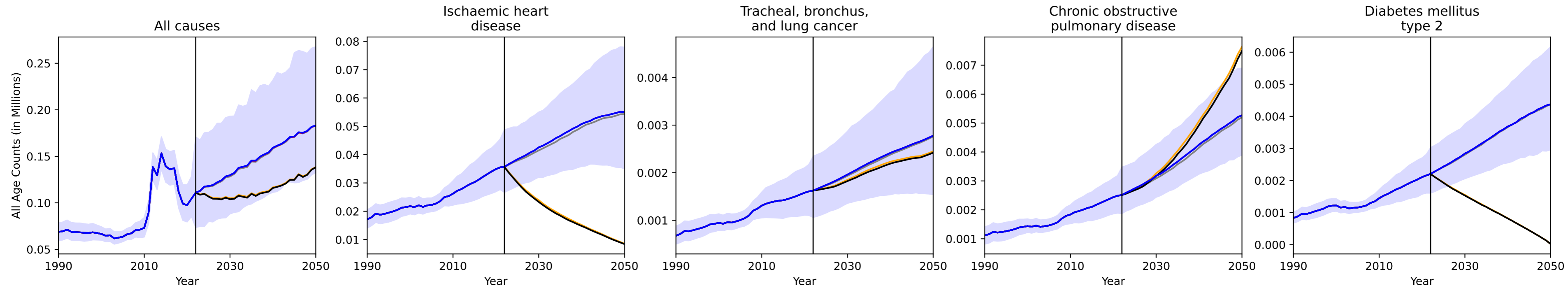
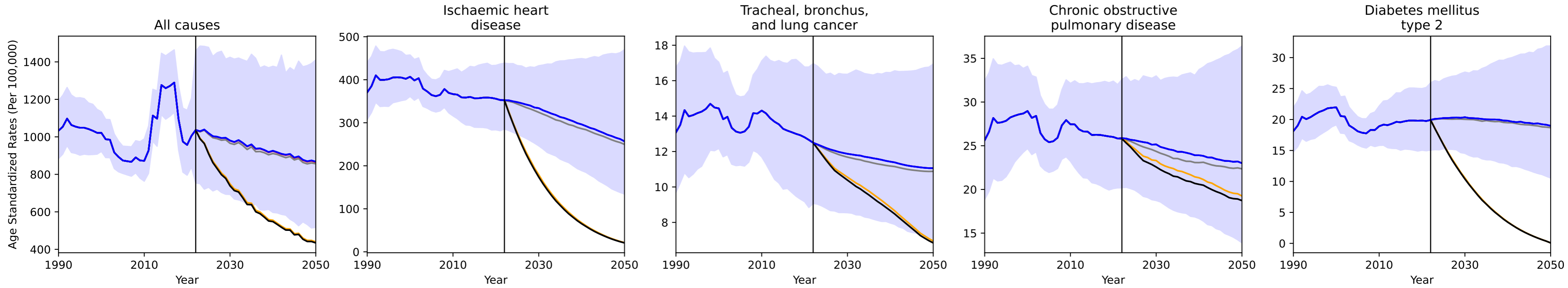
# Sudan



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

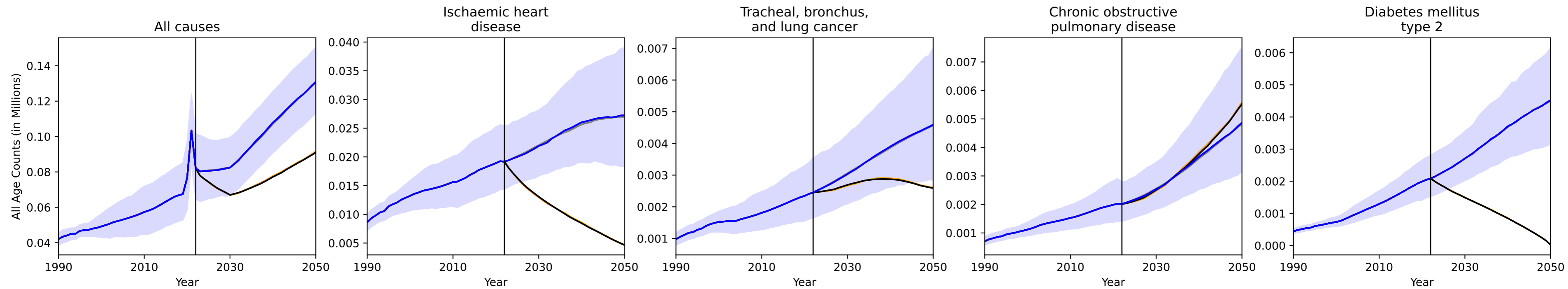
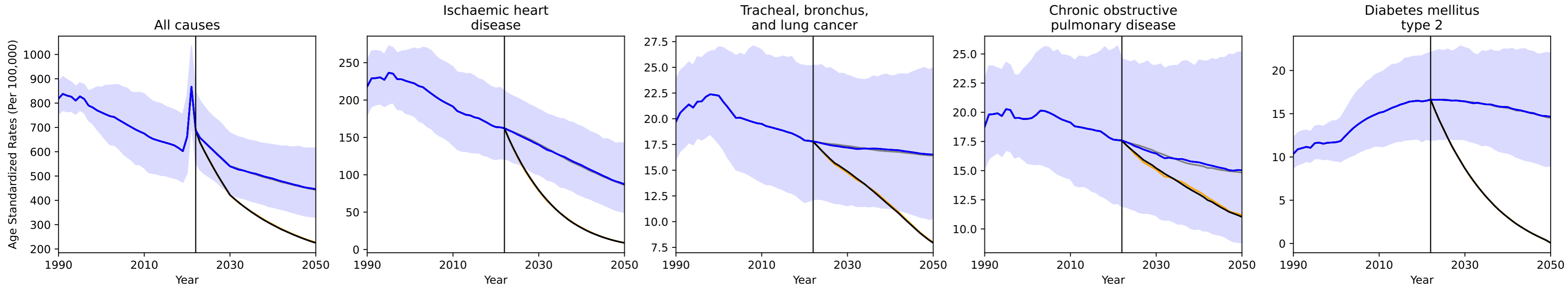


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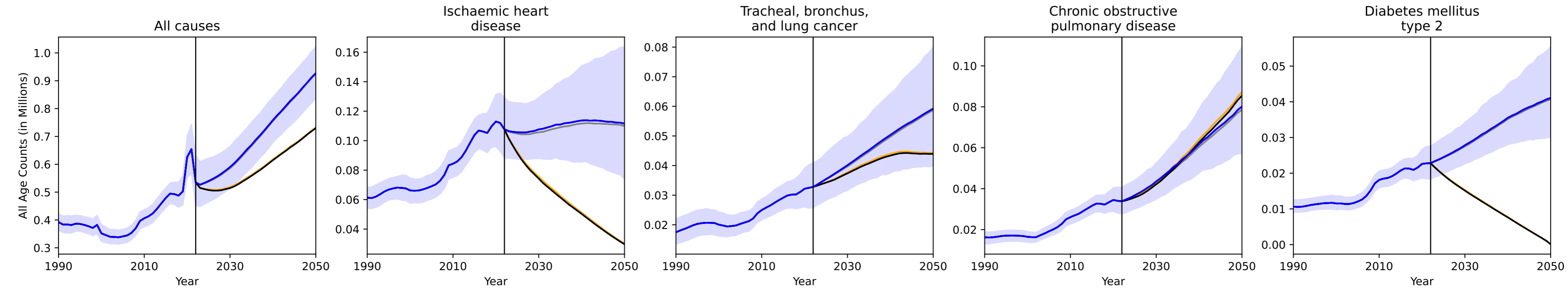
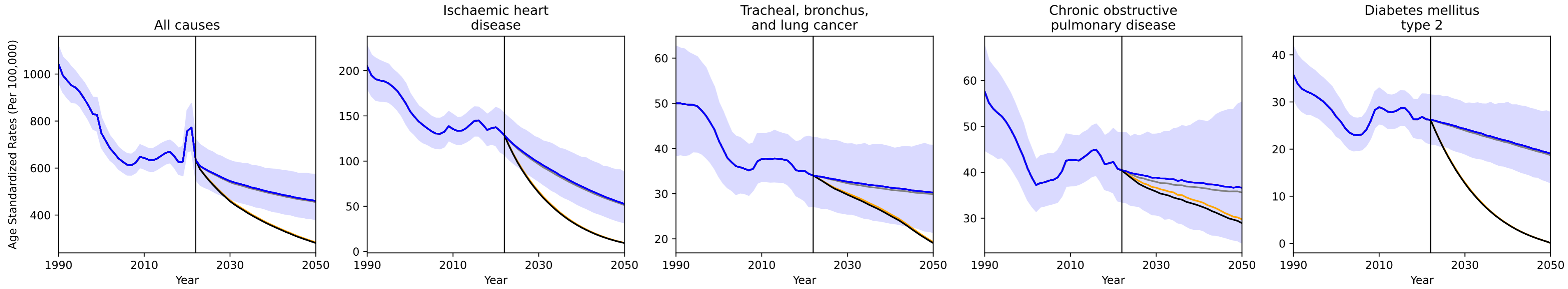


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Tunisia

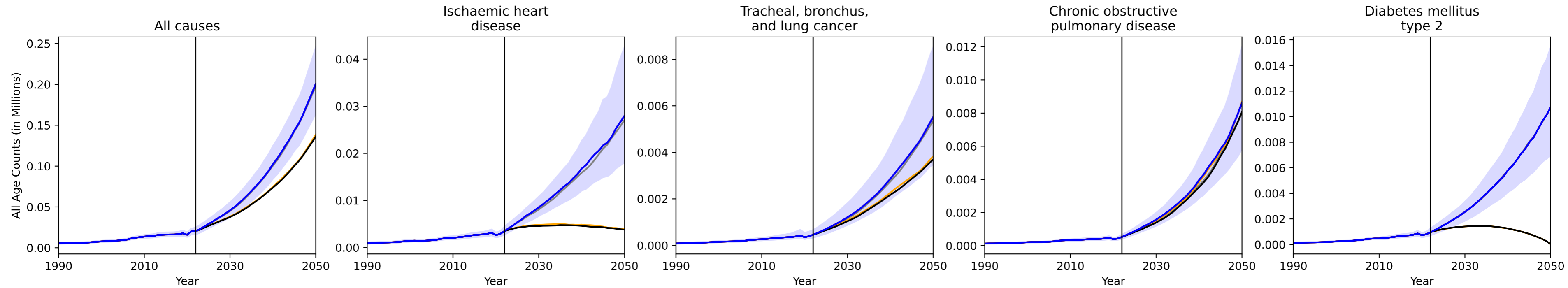
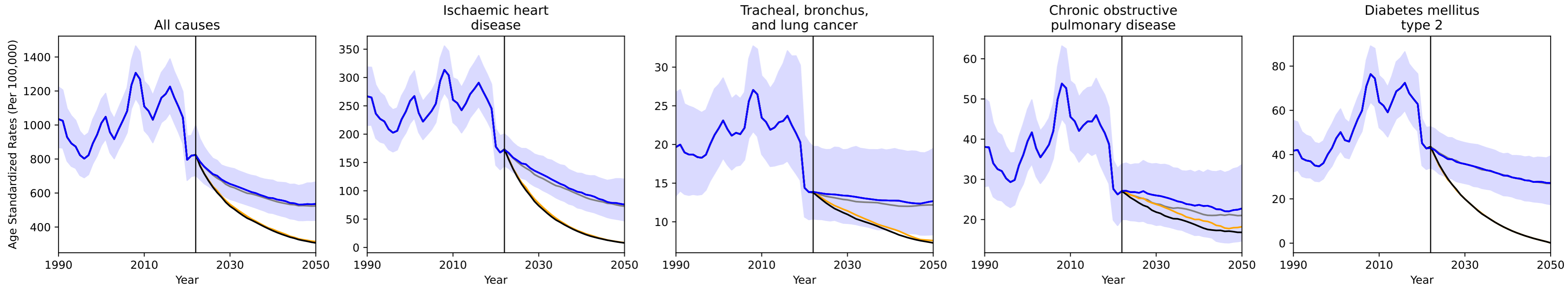


# Türkiye



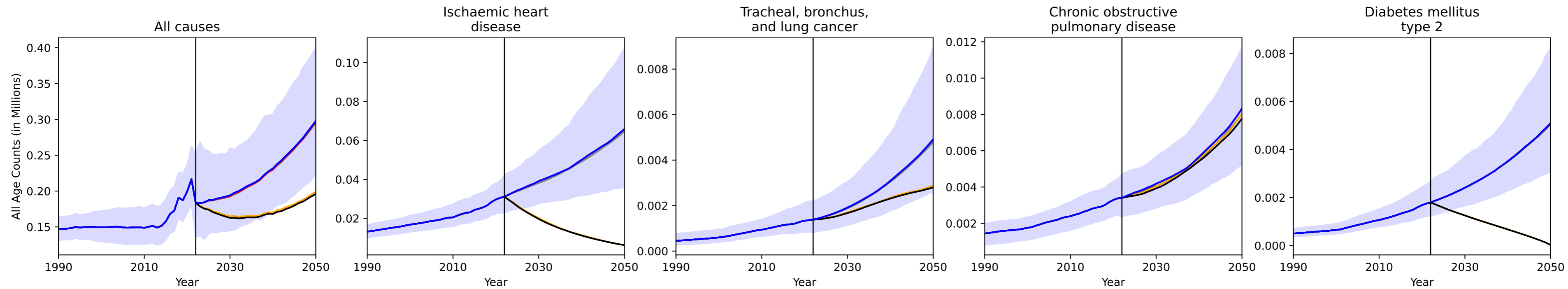
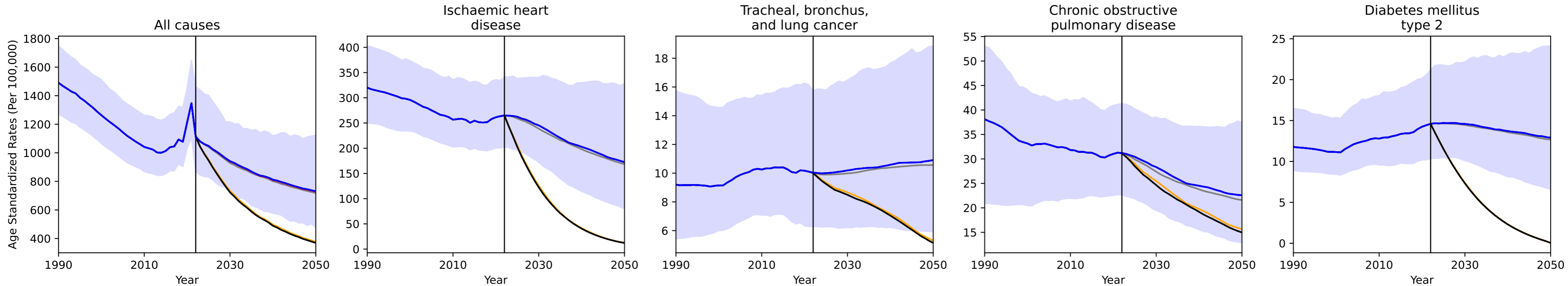
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# United Arab Emirates



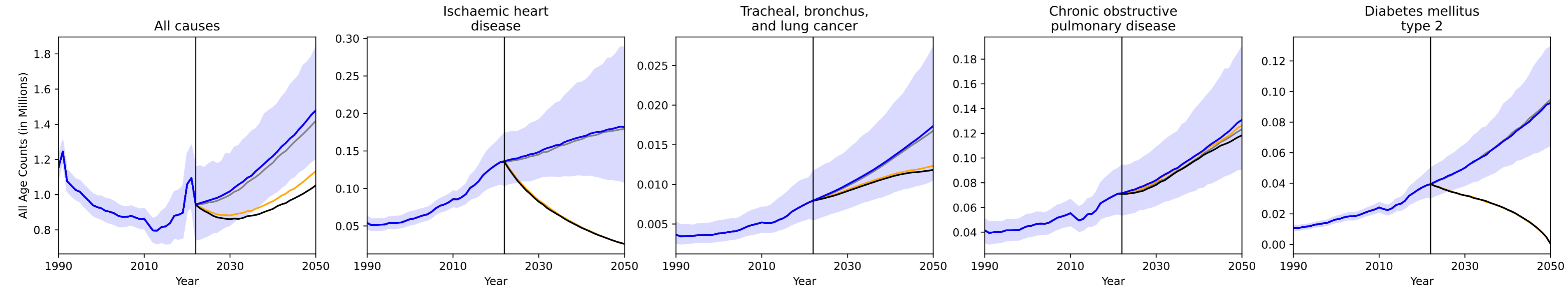
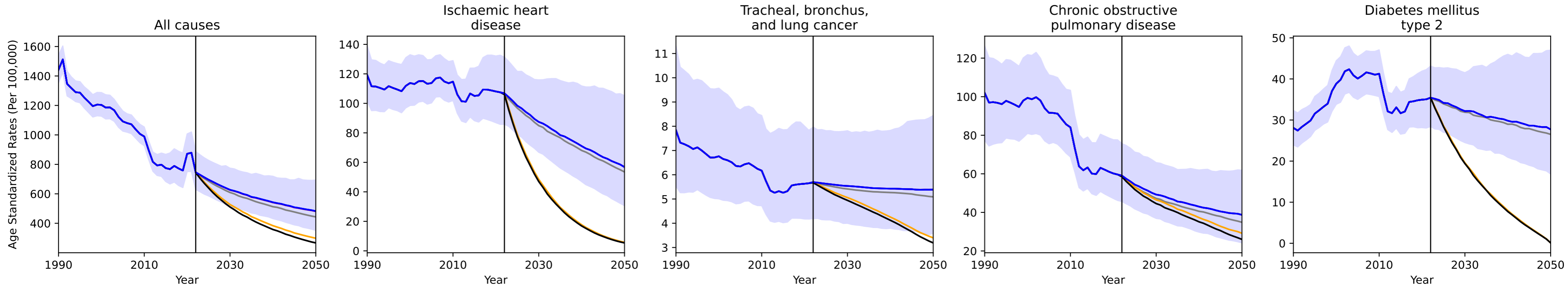
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# Yemen



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

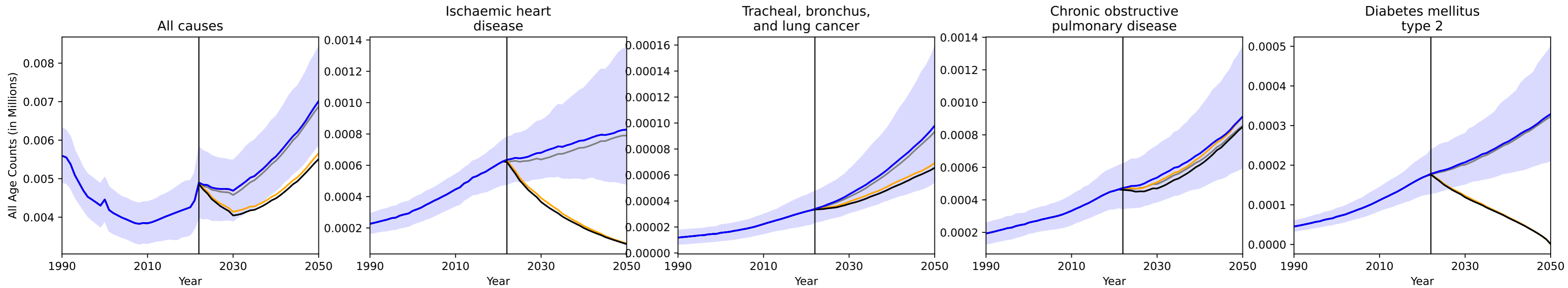
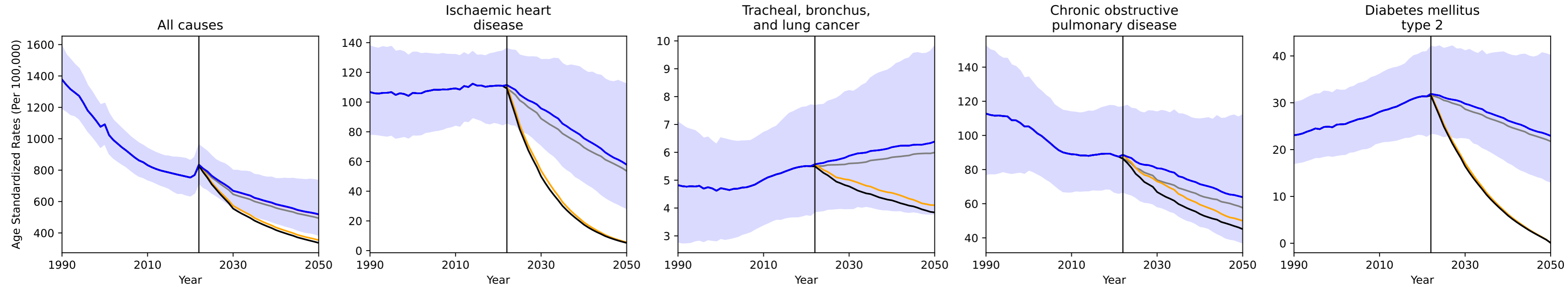
# Bangladesh



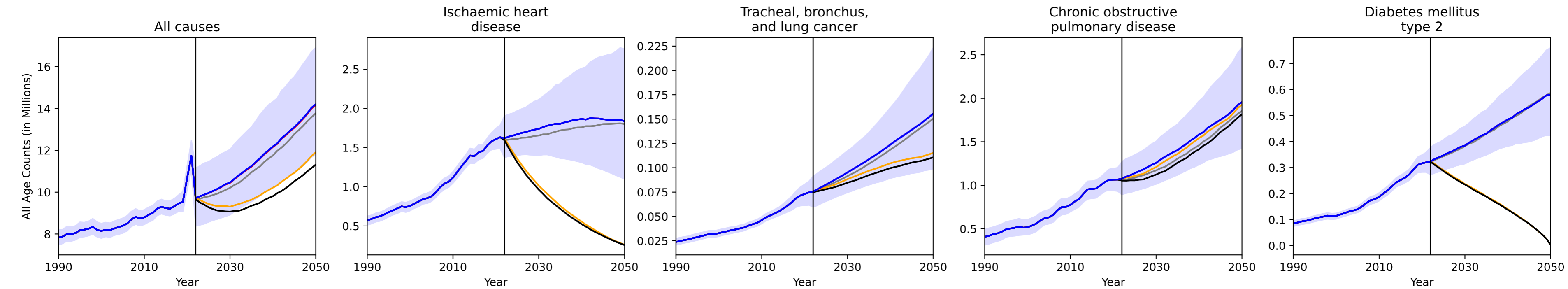
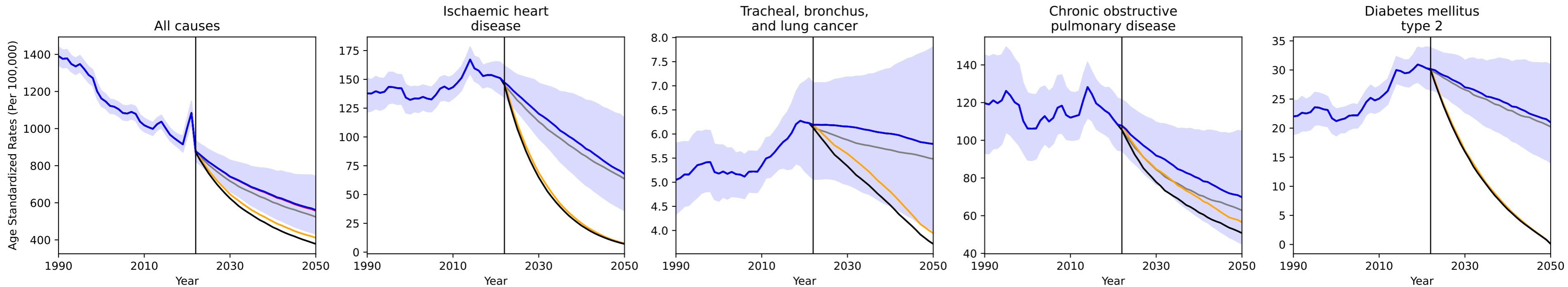
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Bhutan

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



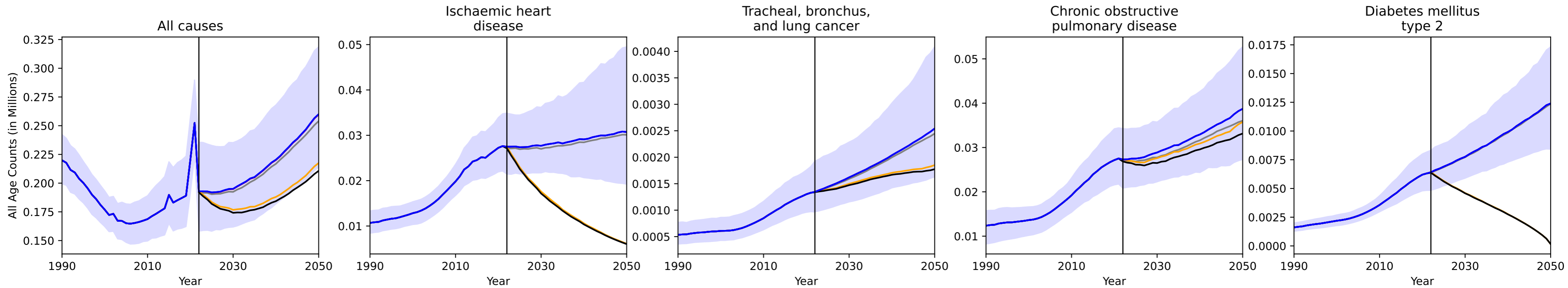
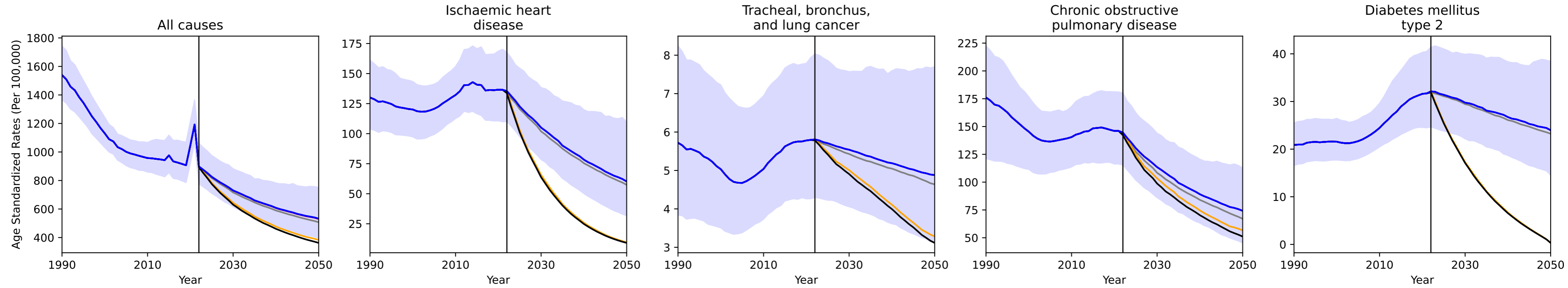
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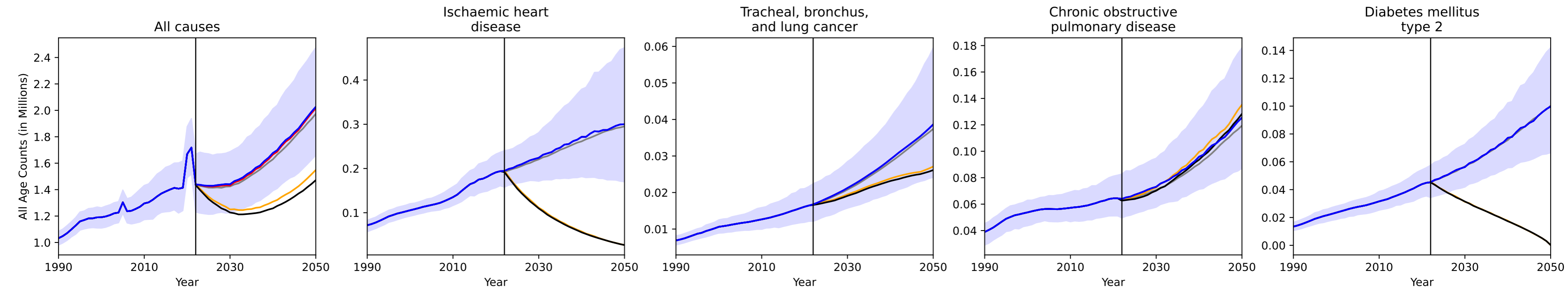
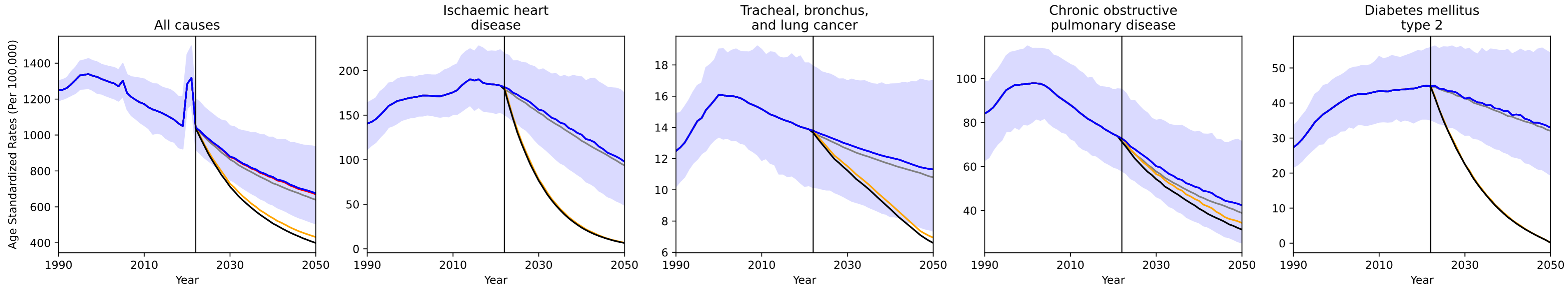
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# Nepal

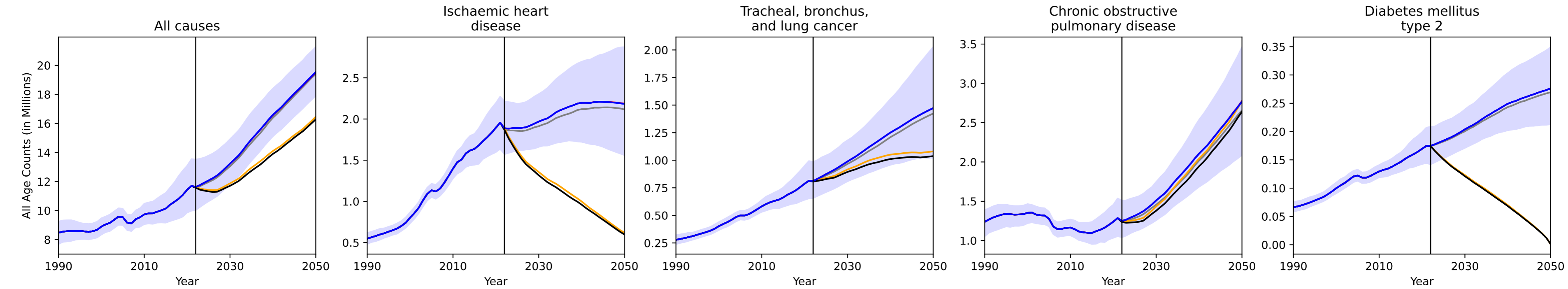
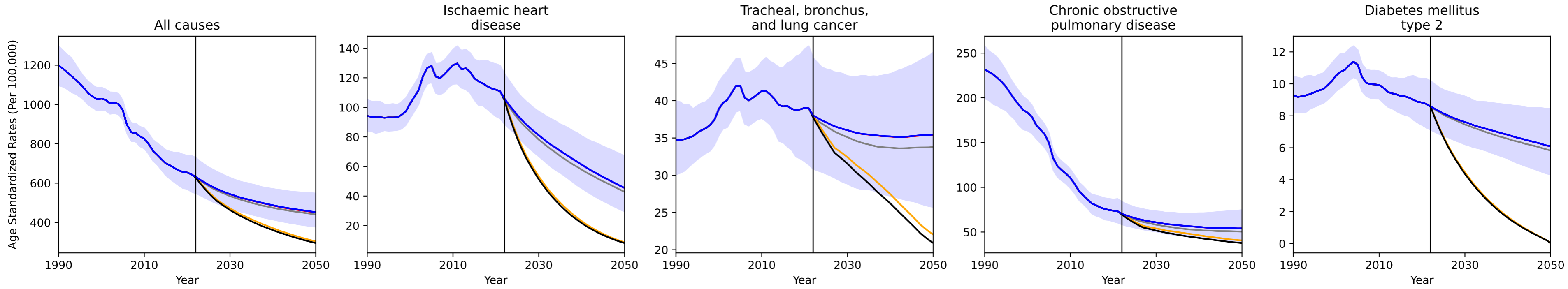


# Pakistan



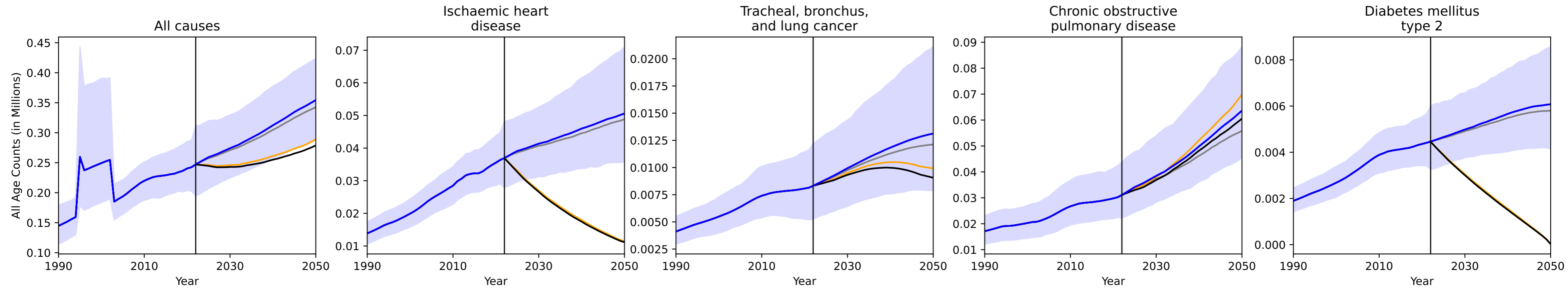
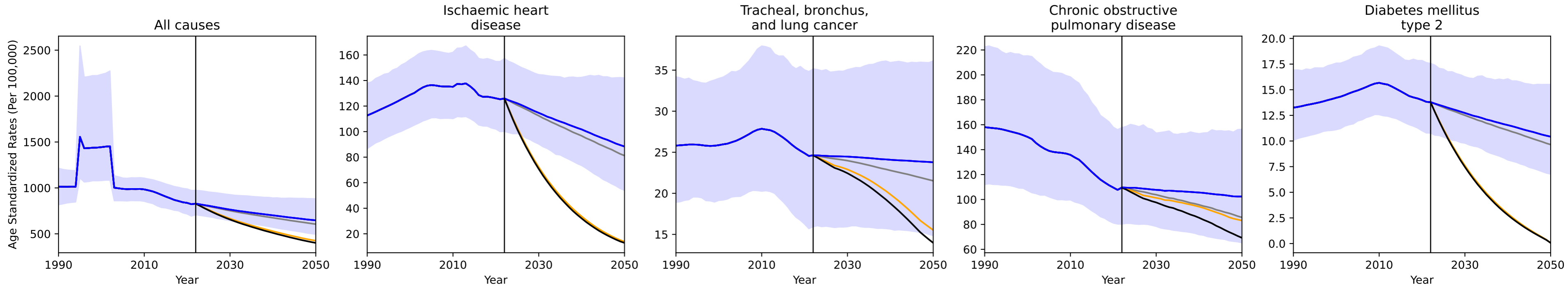
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# China



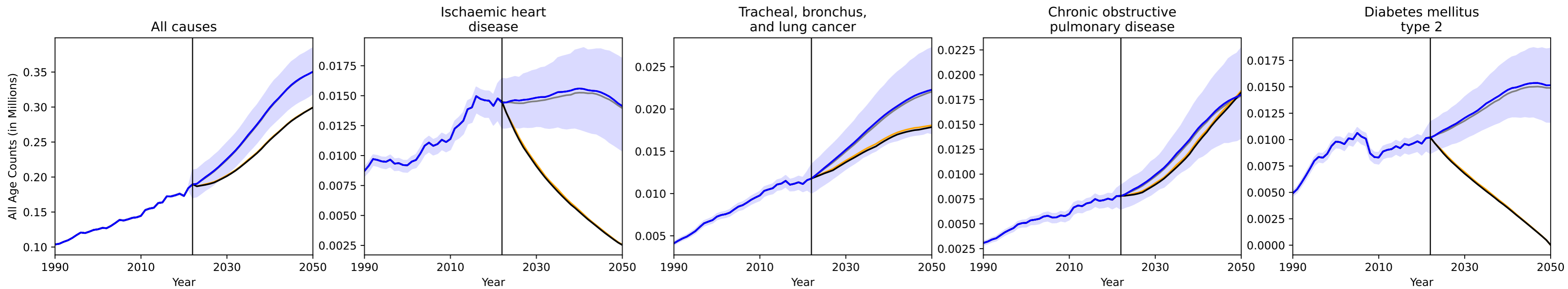
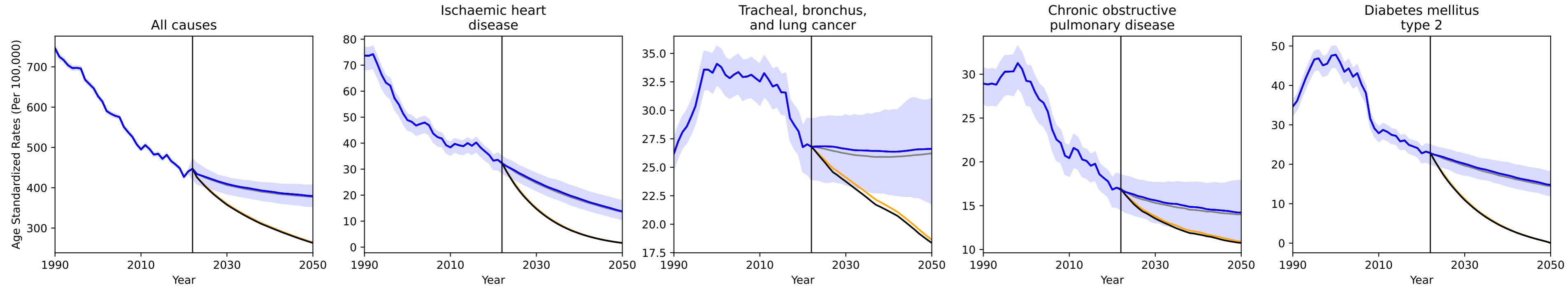
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# North Korea



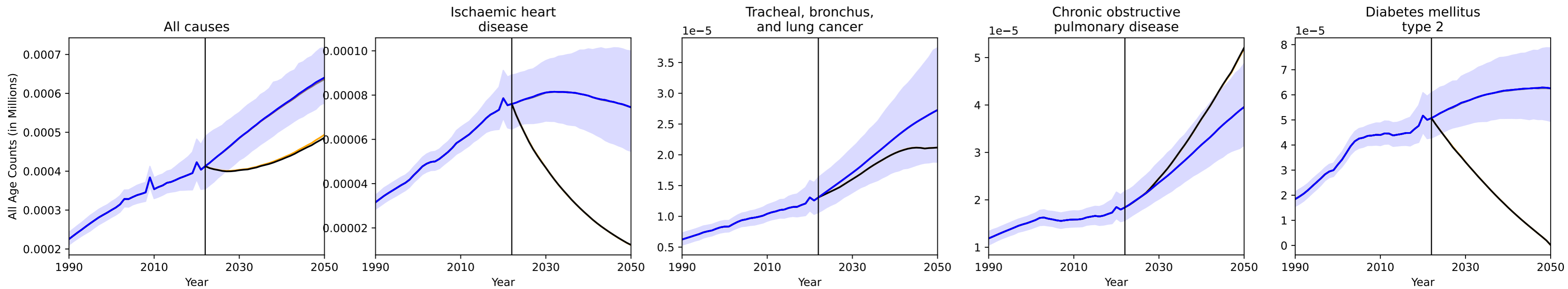
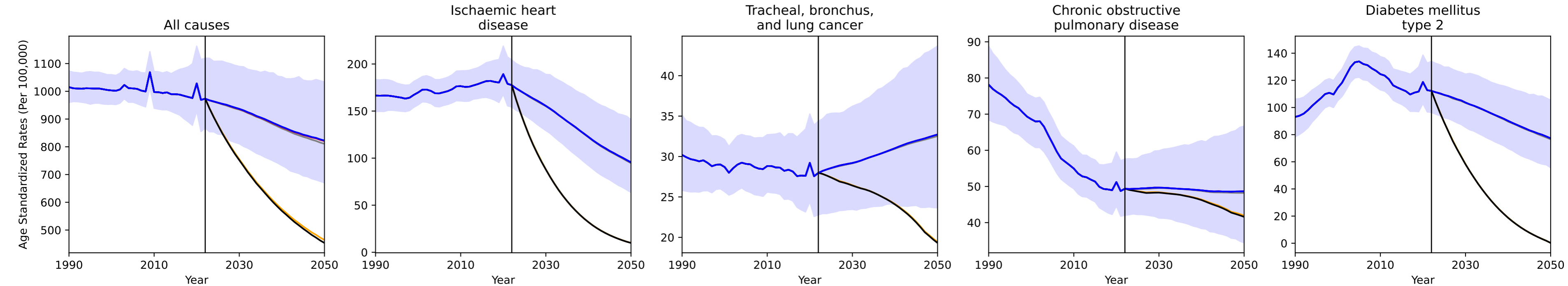
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Taiwan (Province Of China)

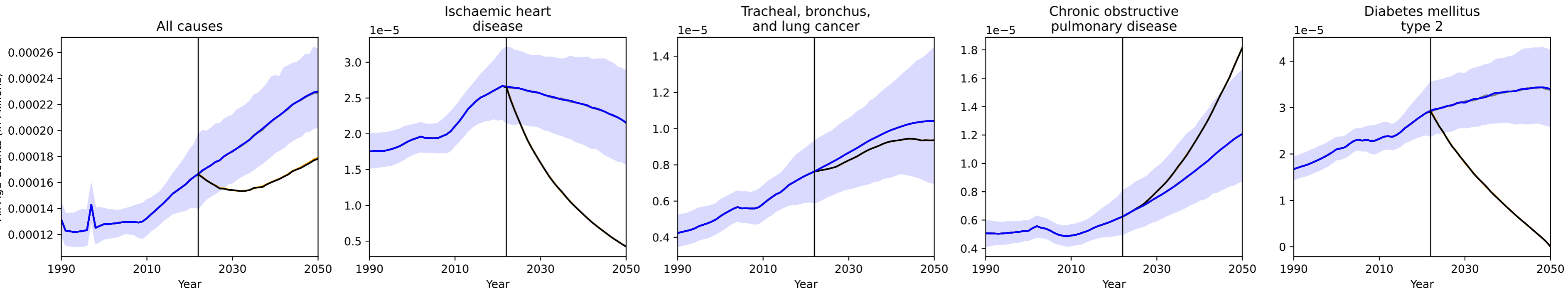
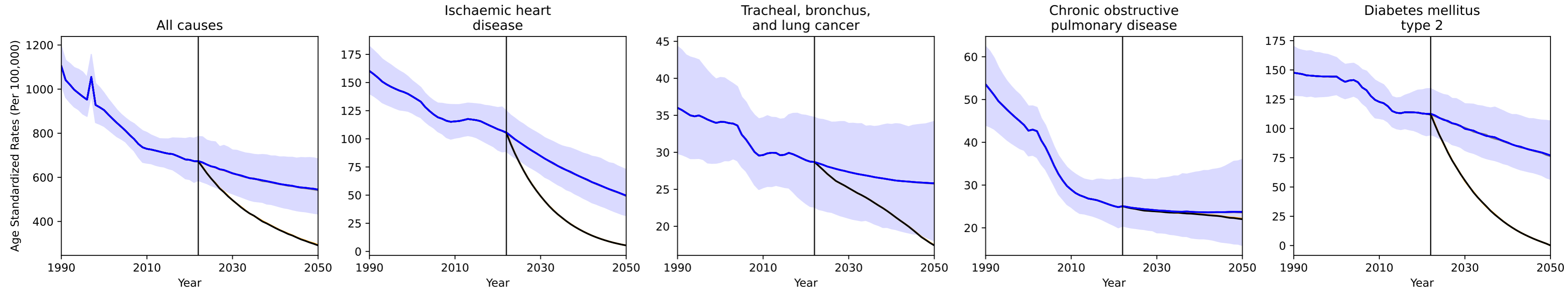


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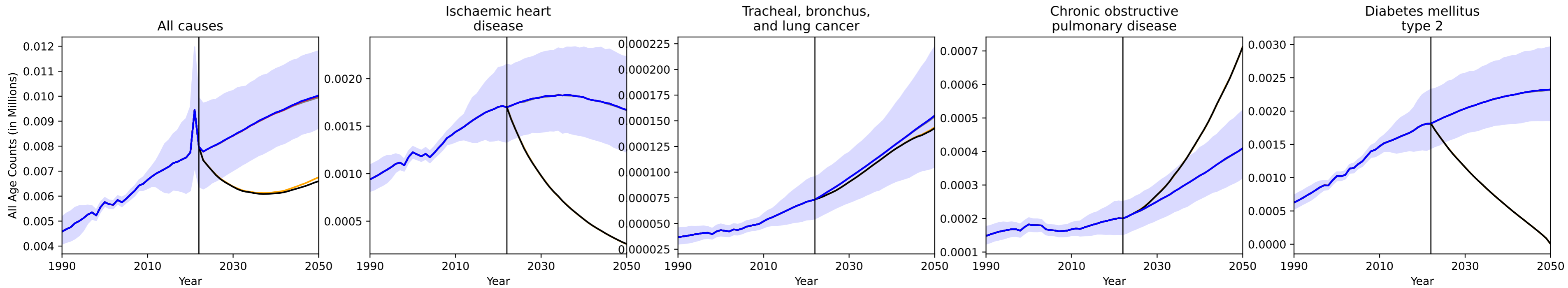
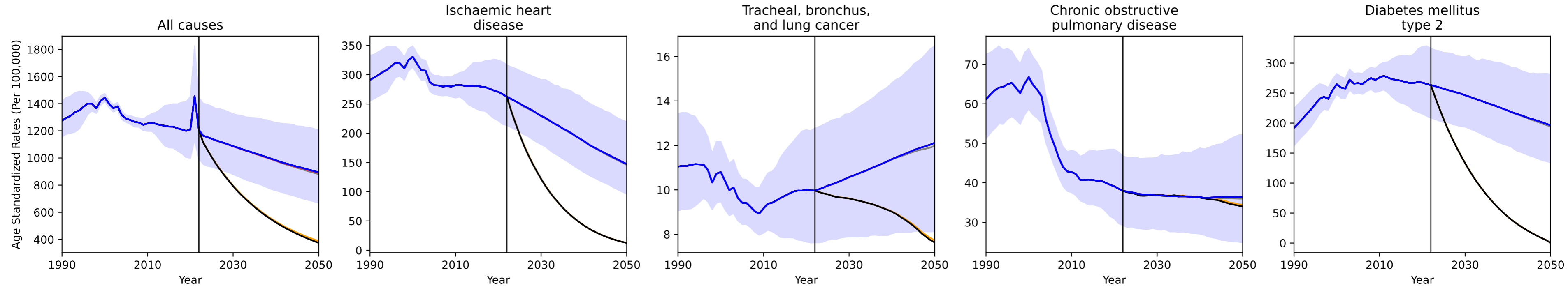
# American Samoa



# Cook Islands

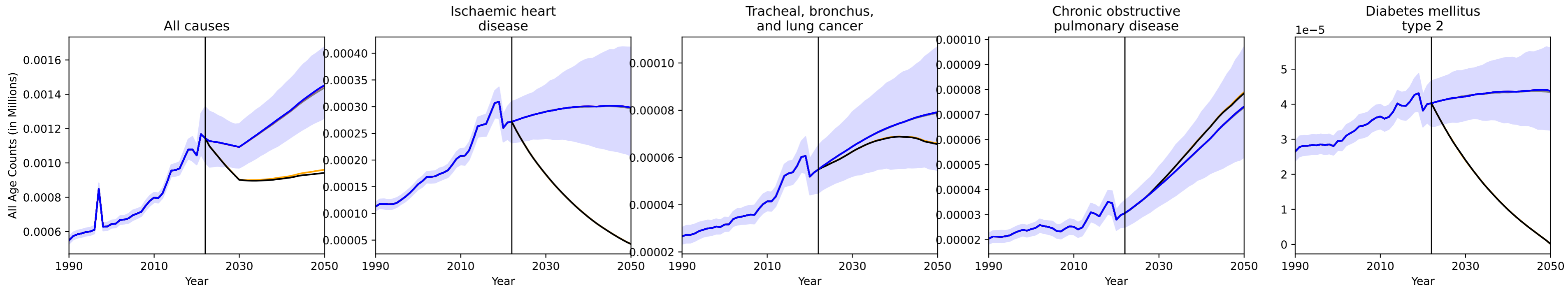
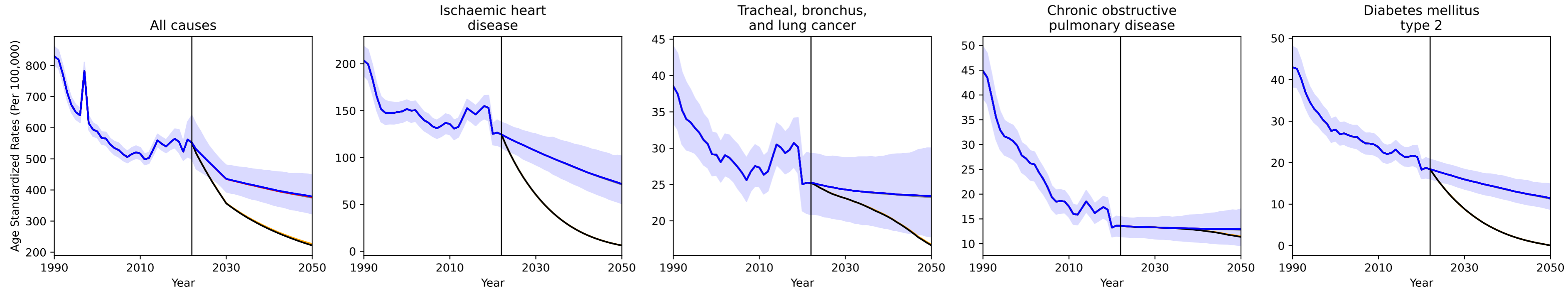


# Fiji

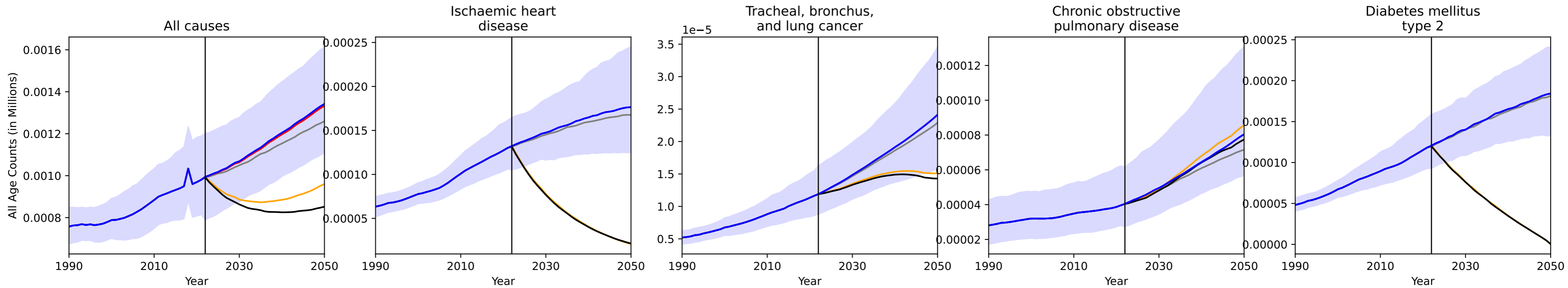
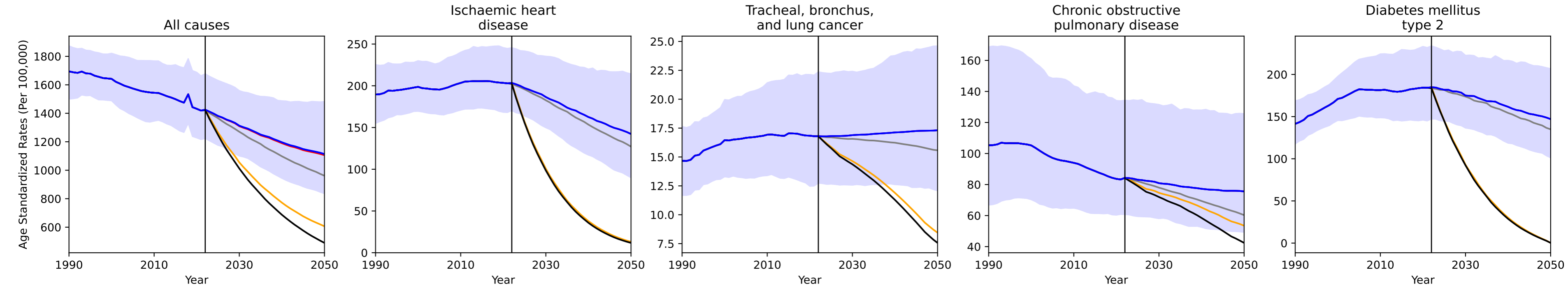




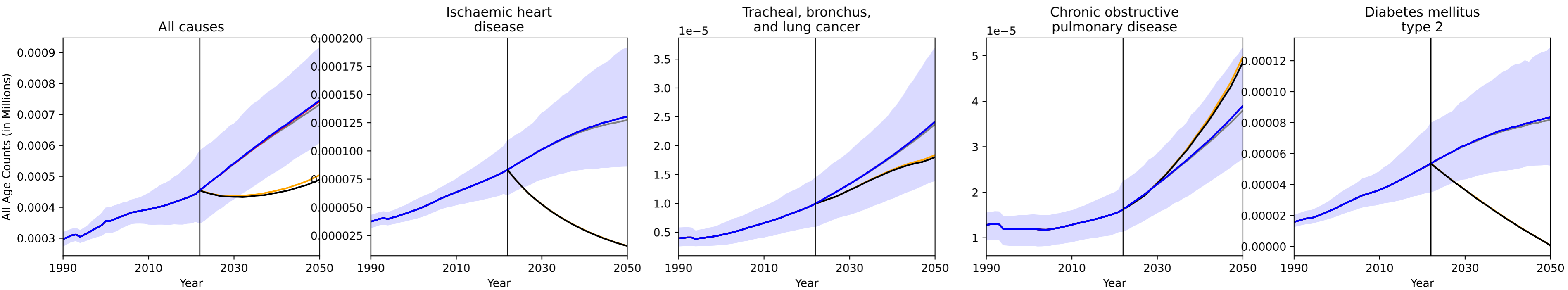
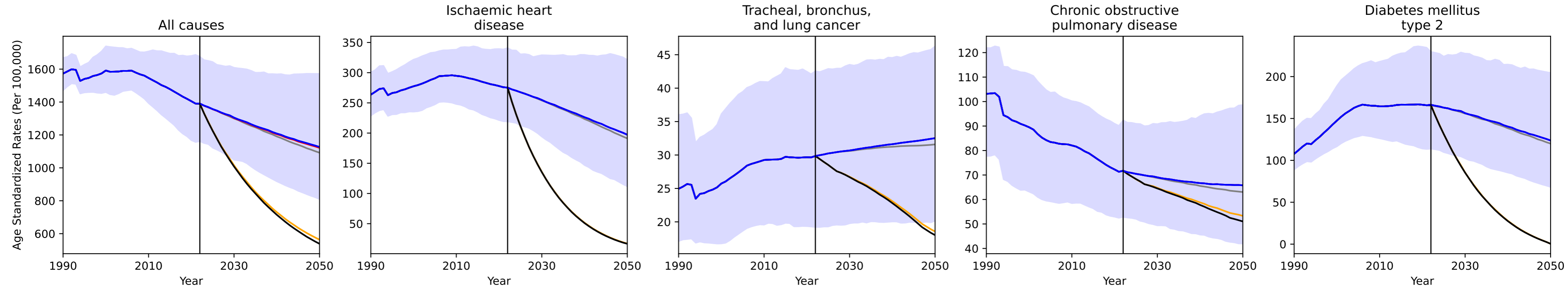
# Guam



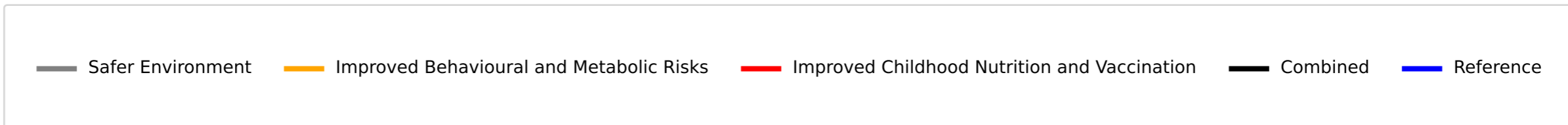
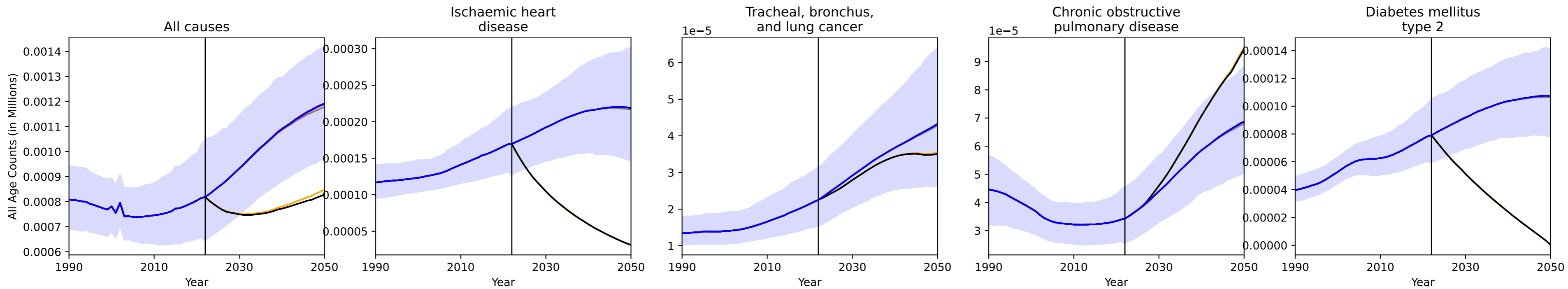
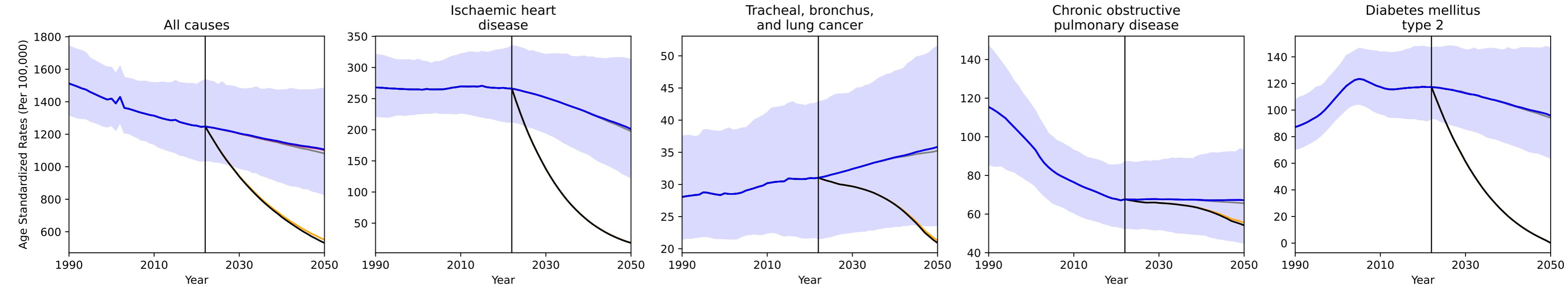
# Kiribati



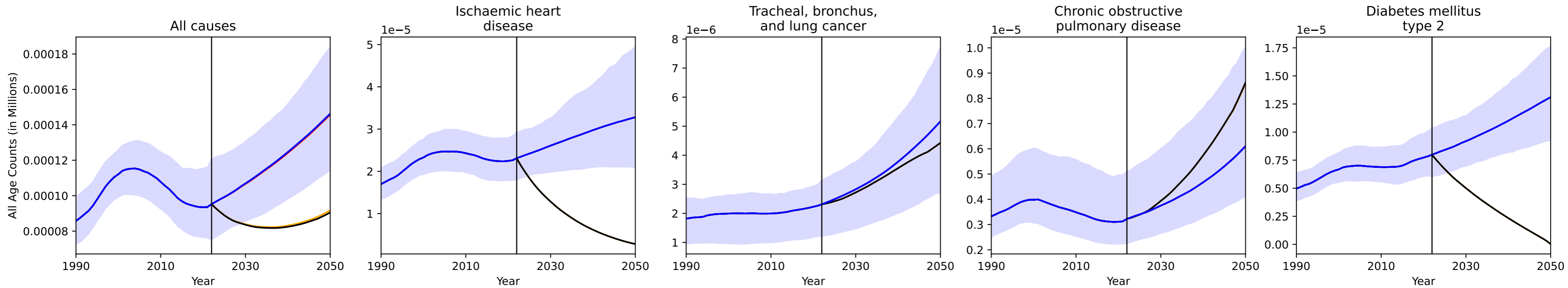
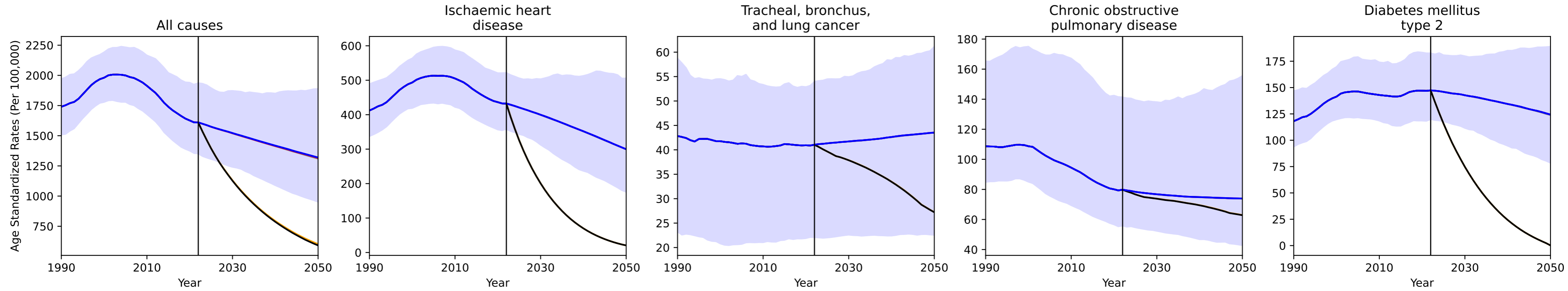
# Marshall Islands



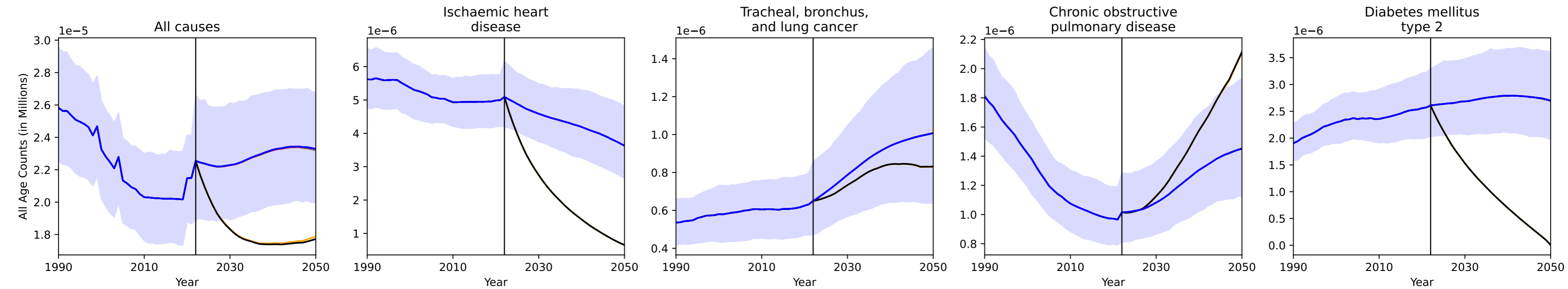
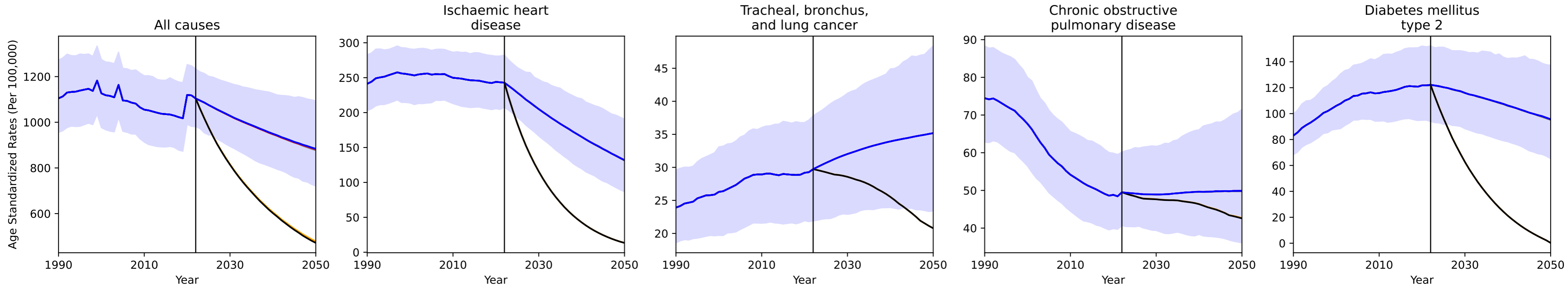
# Federated States Of Micronesia



# Nauru

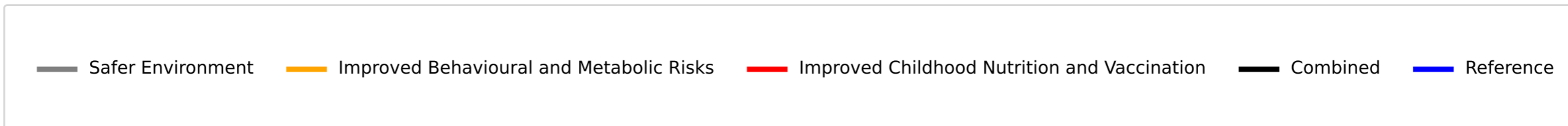
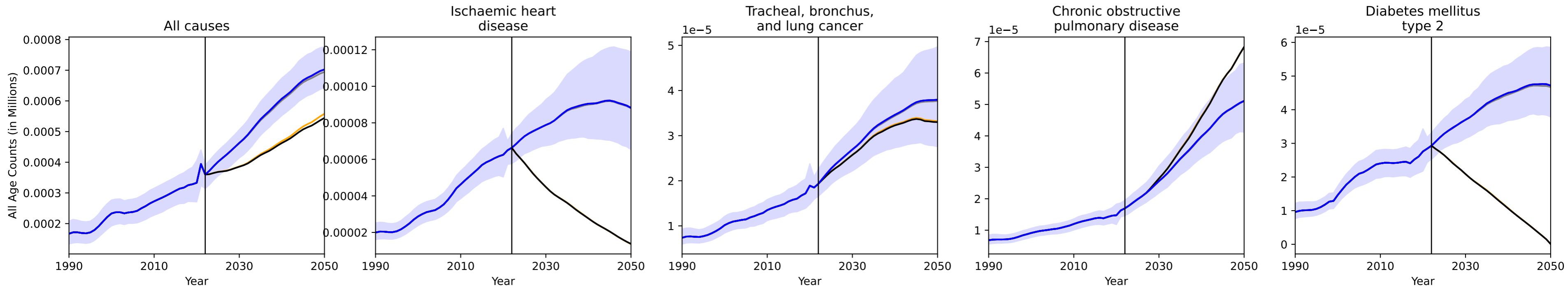
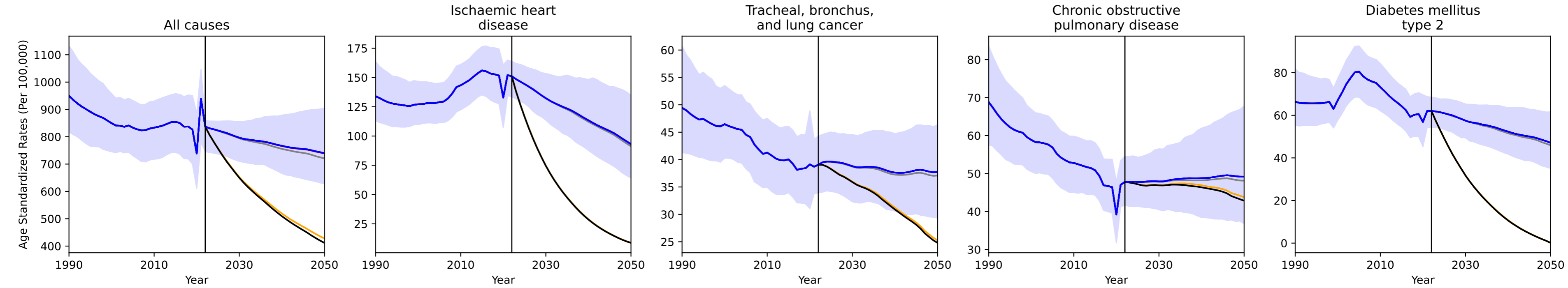


# Niue

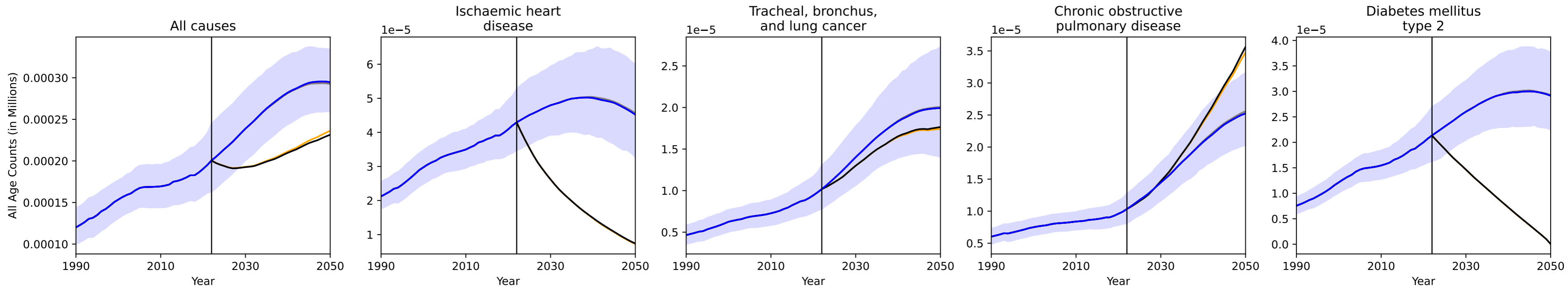
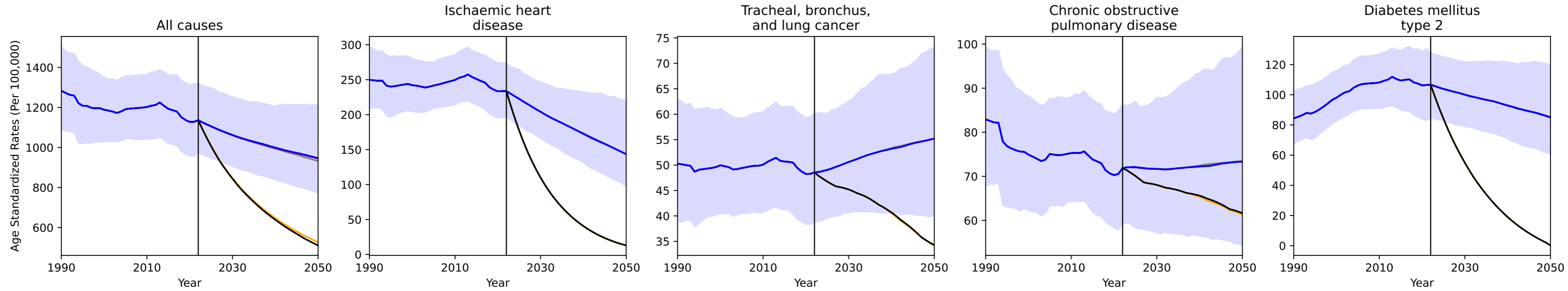


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Northern Mariana Islands

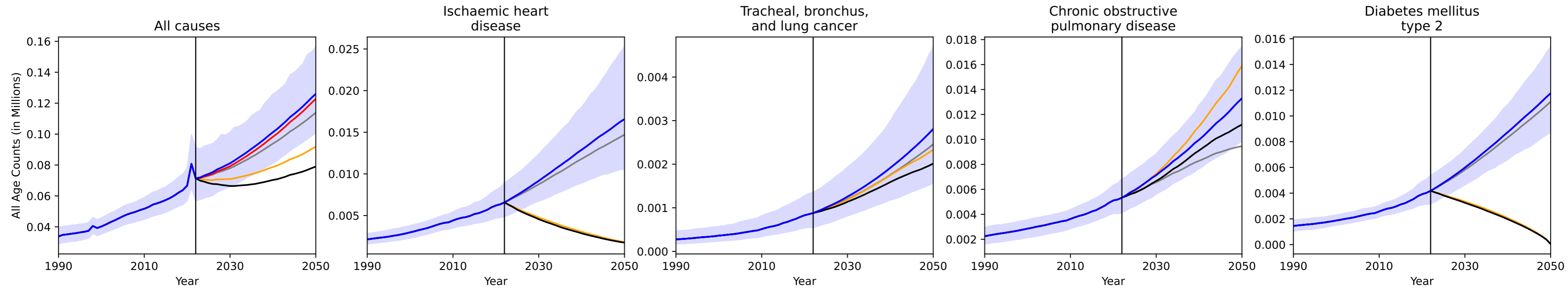
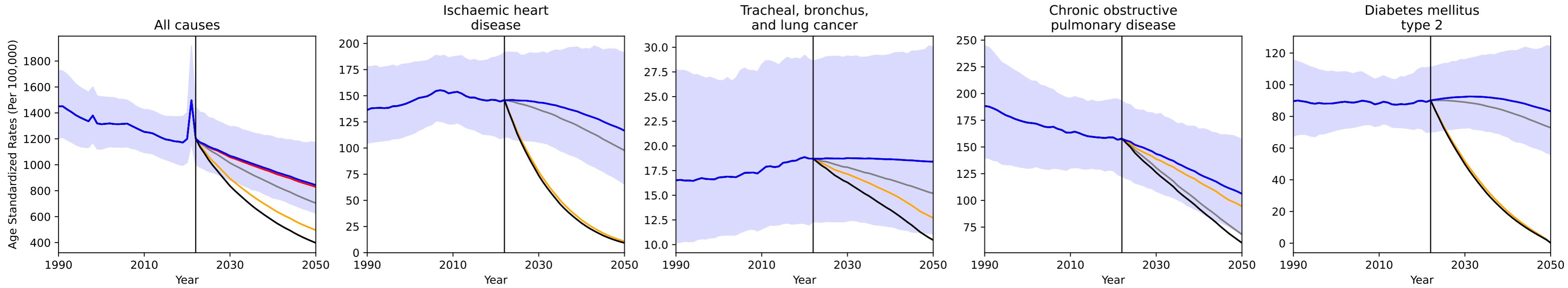


# Palau



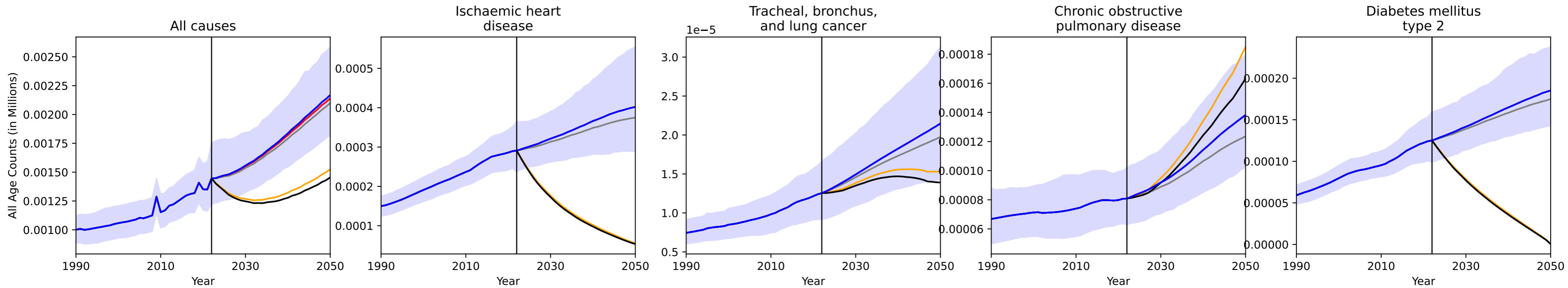
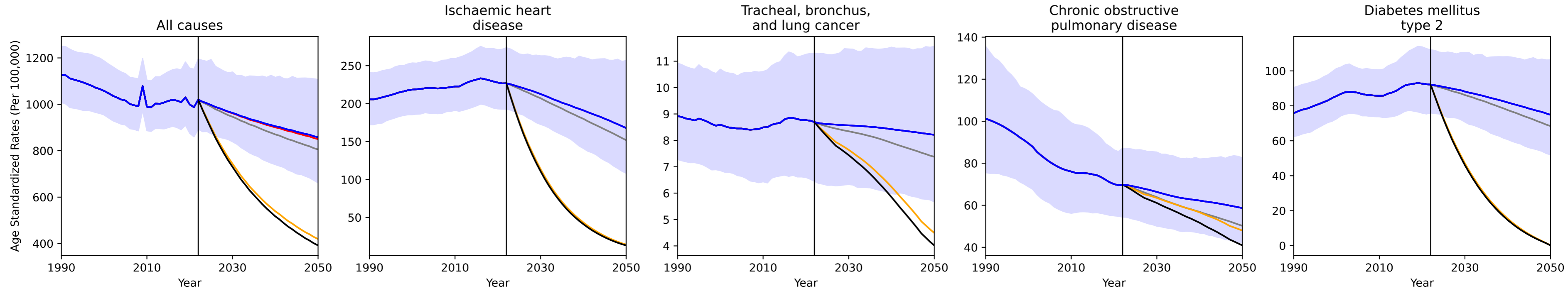


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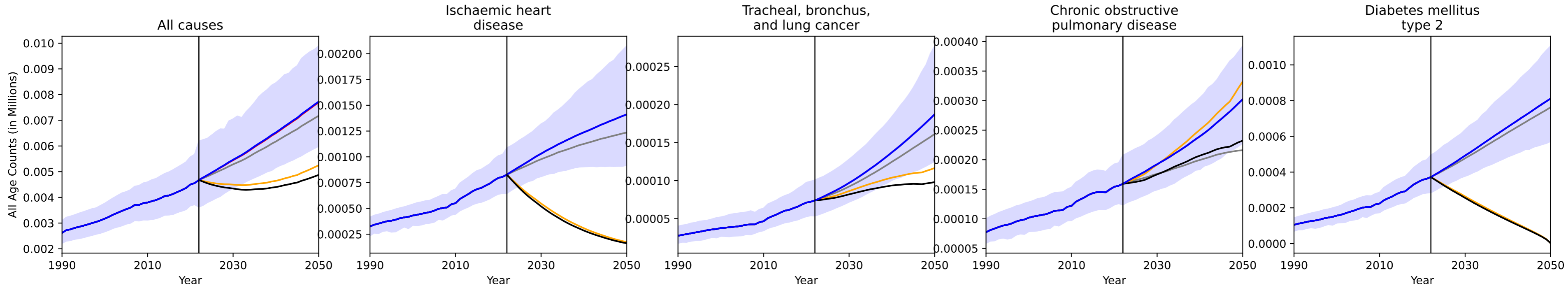
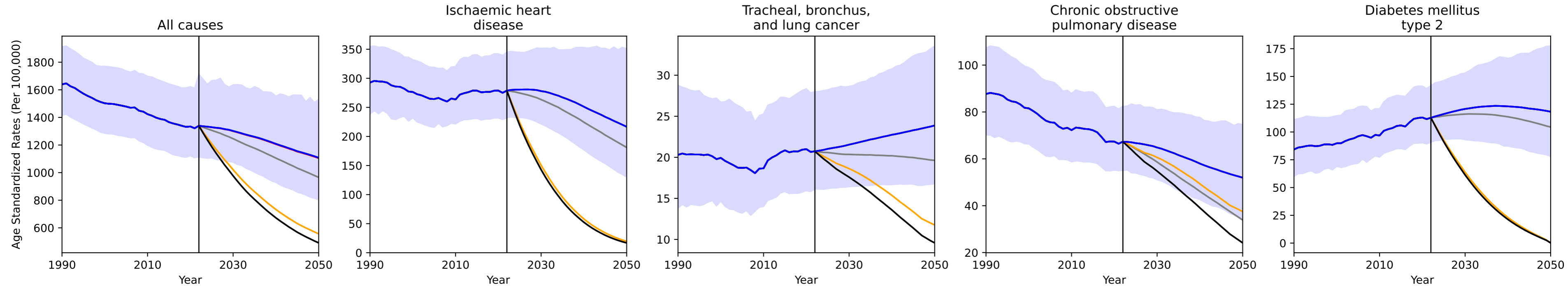


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Samoa

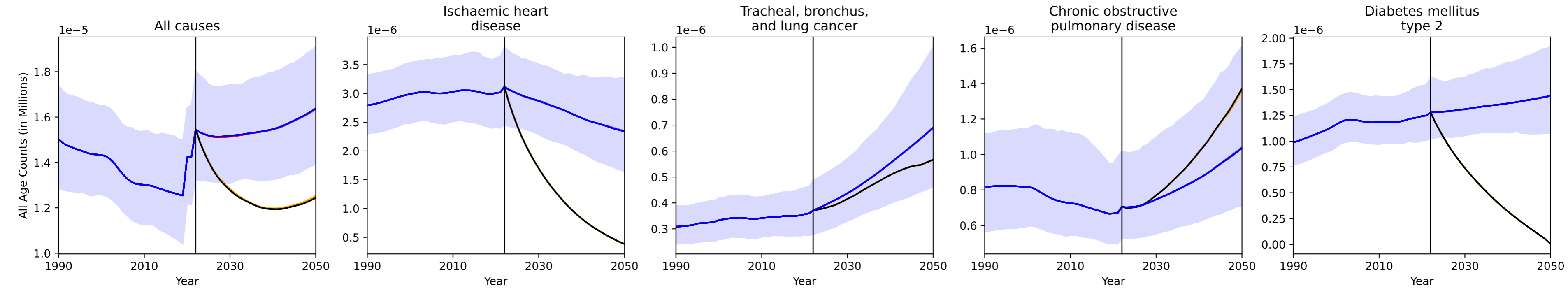
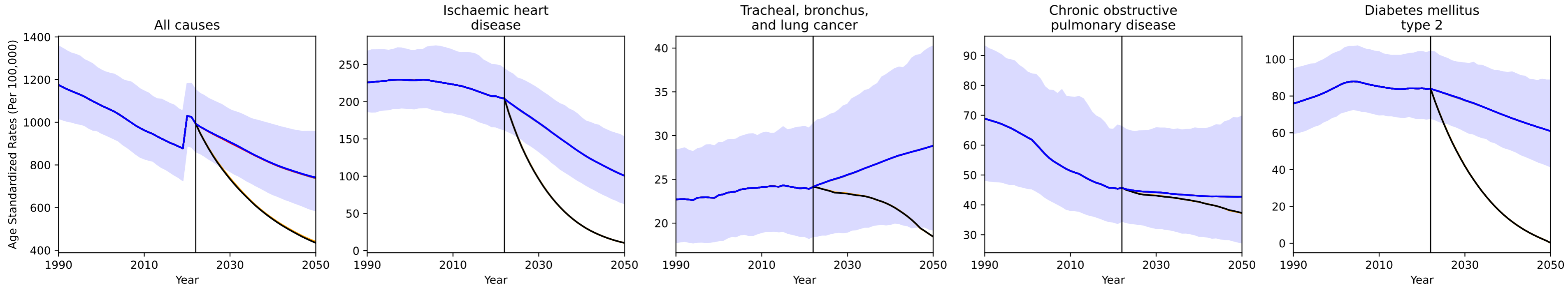


# Solomon Islands



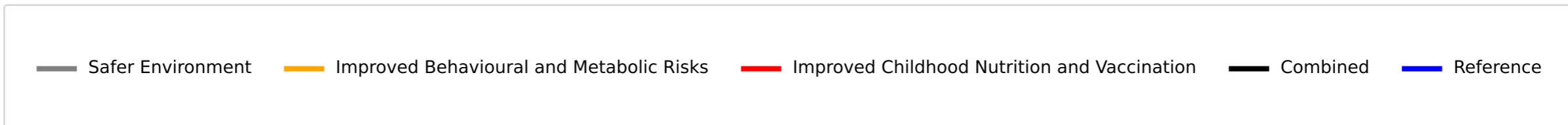
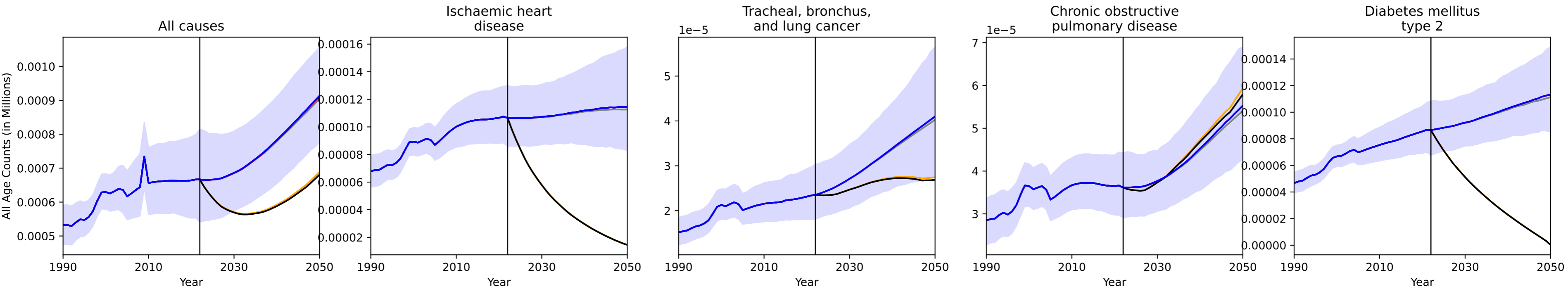
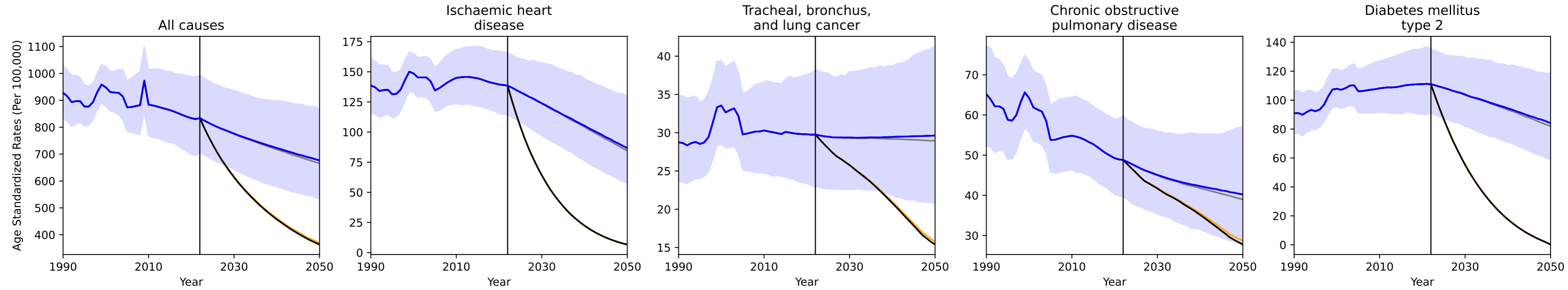
# Tokelau

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

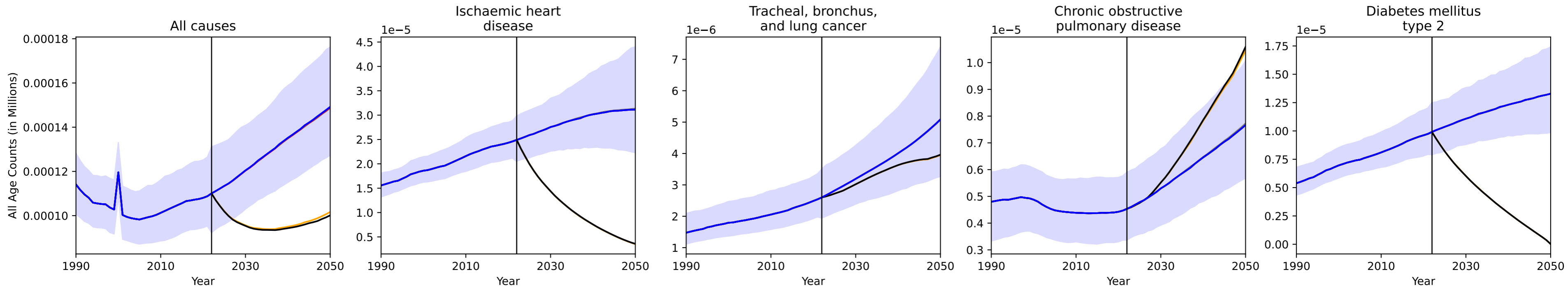
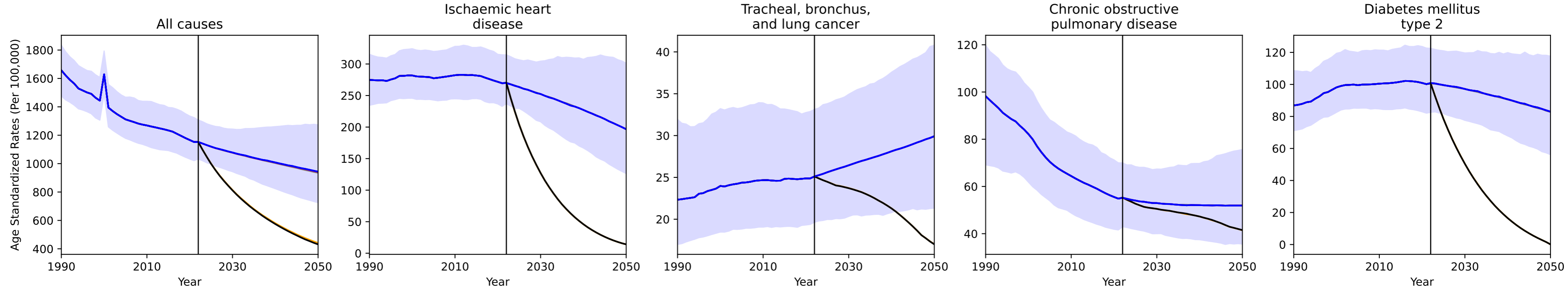


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

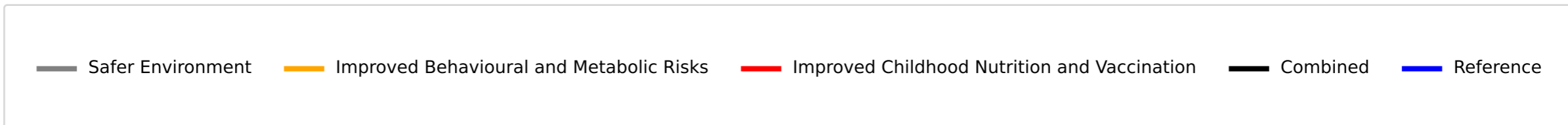
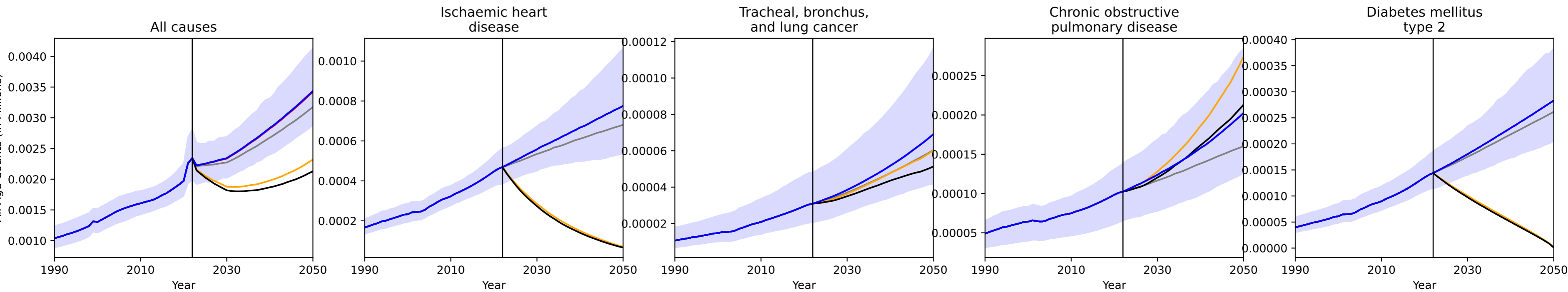
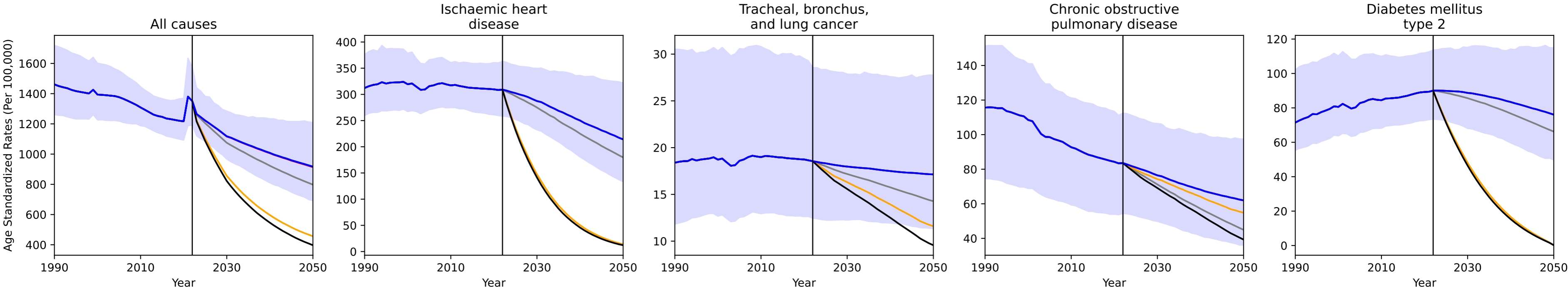
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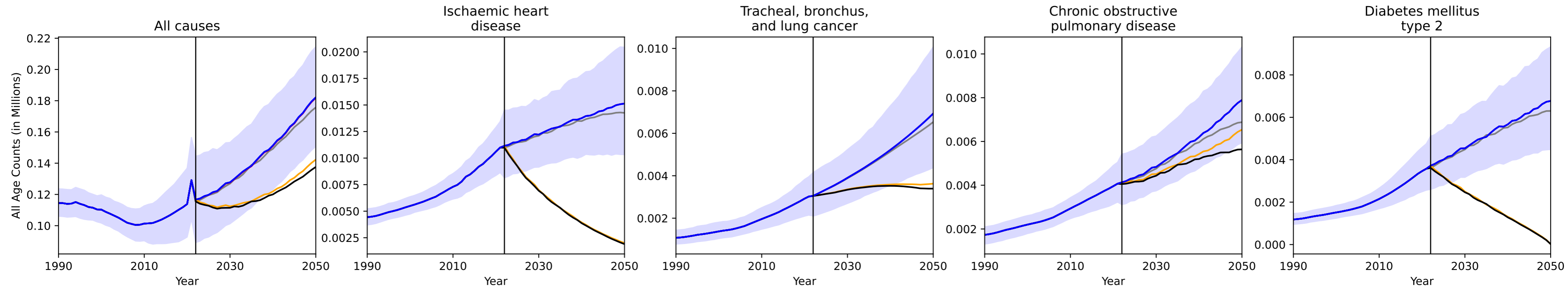
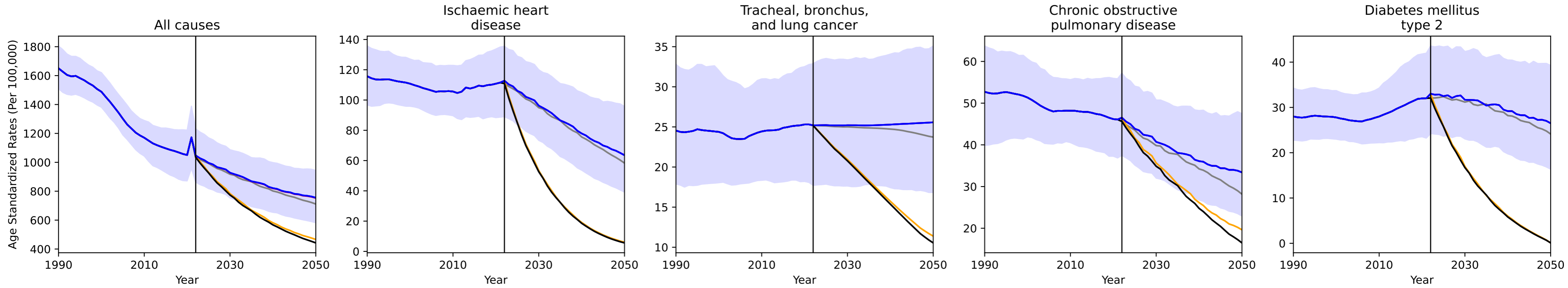
# Tuvalu



# Vanuatu

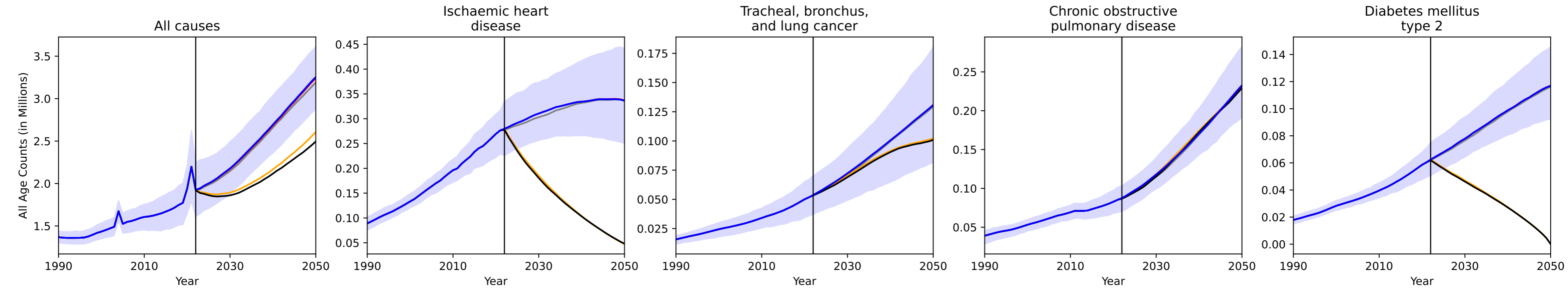
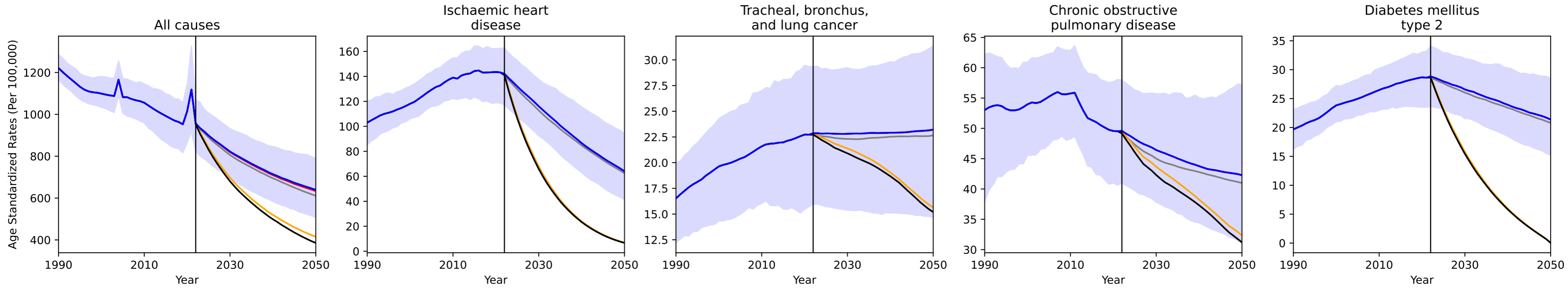


# Cambodia



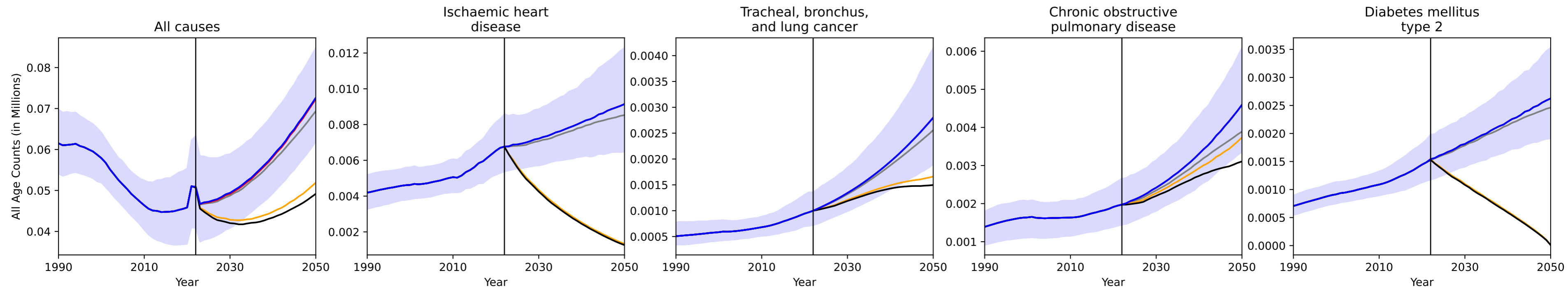
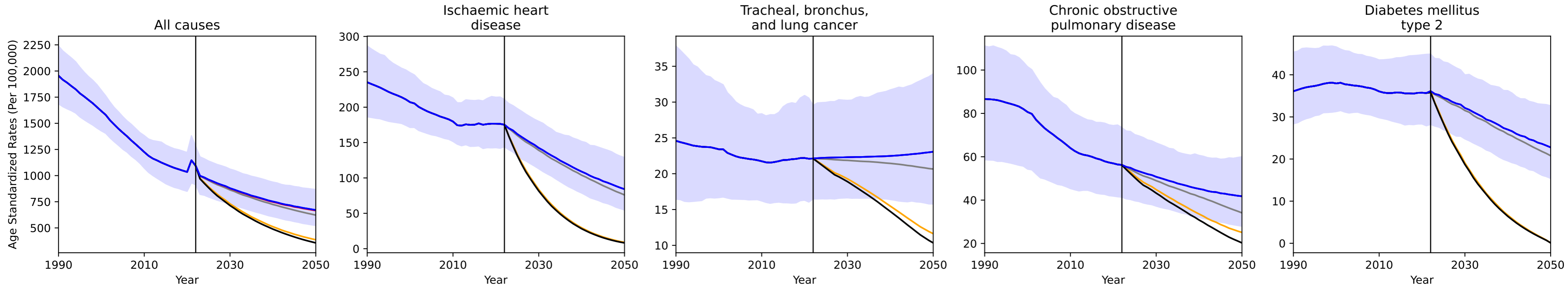


# Indonesia



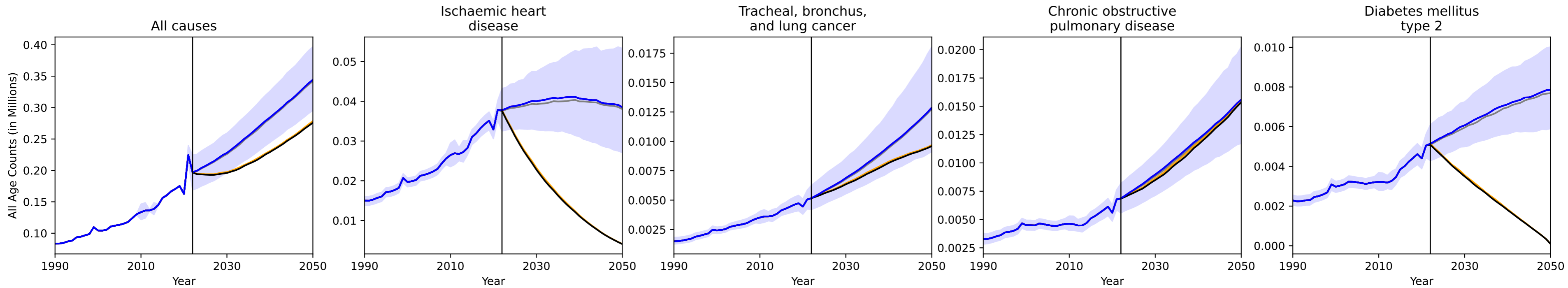
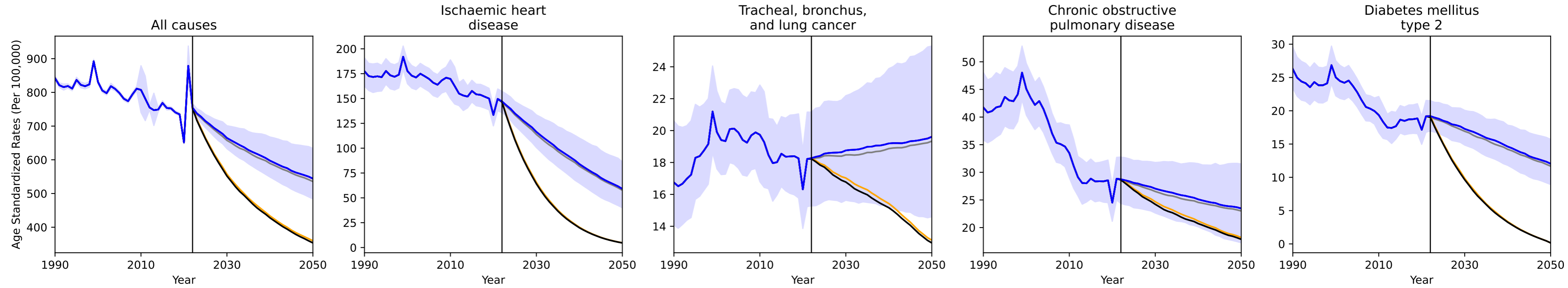
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Laos



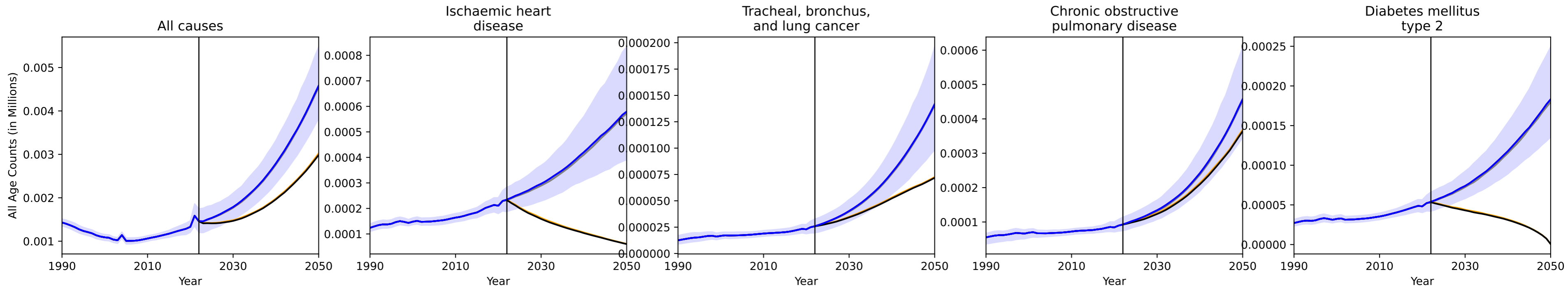
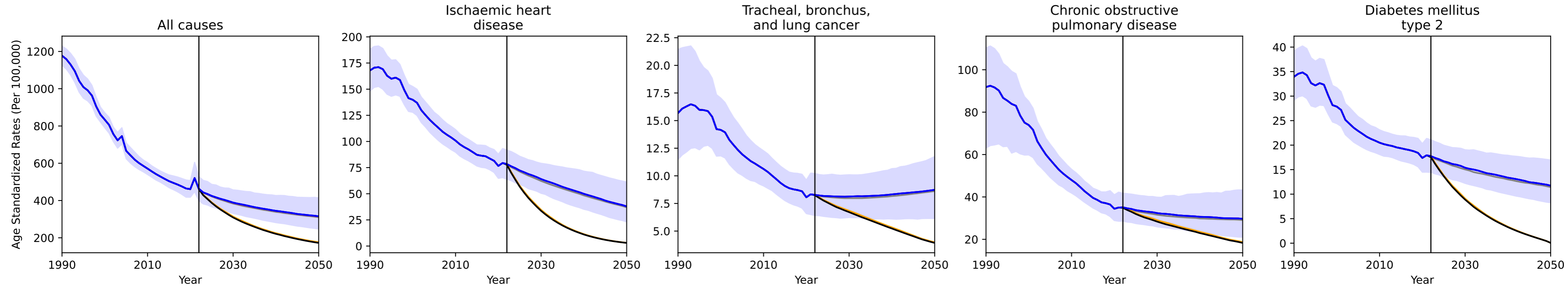
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# Malaysia

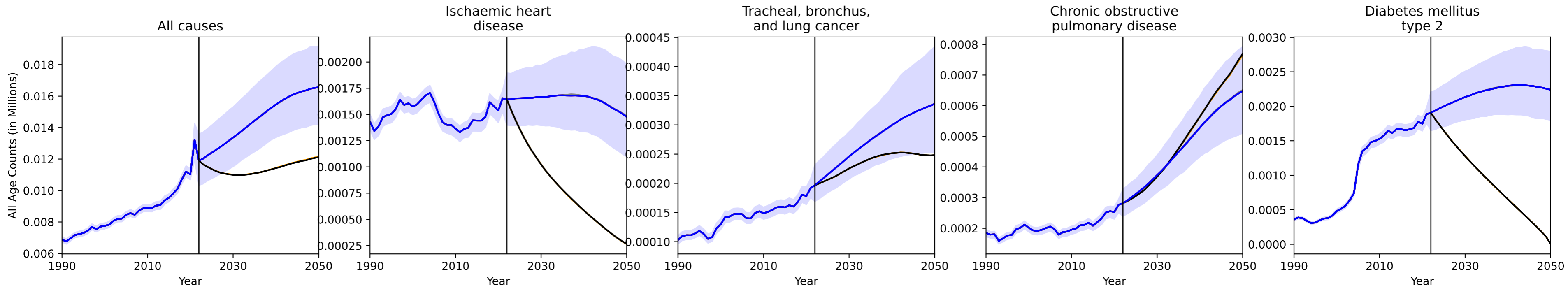
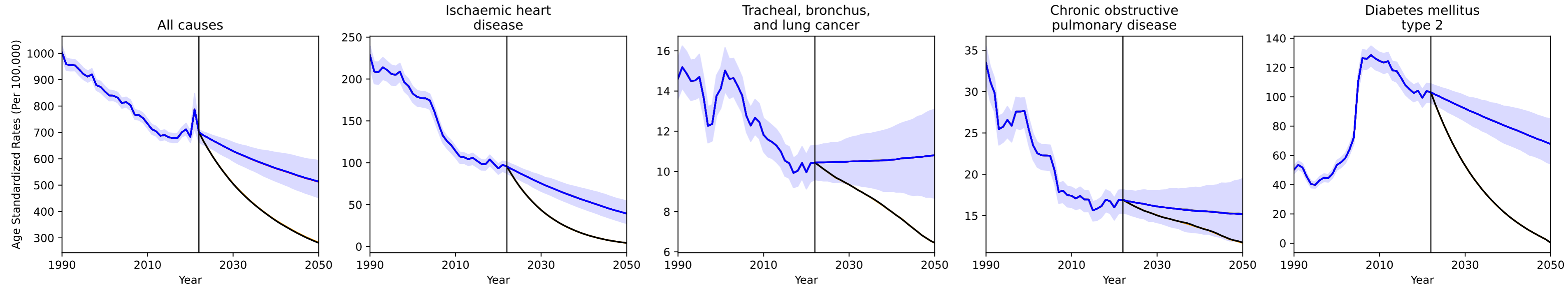


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# Maldives

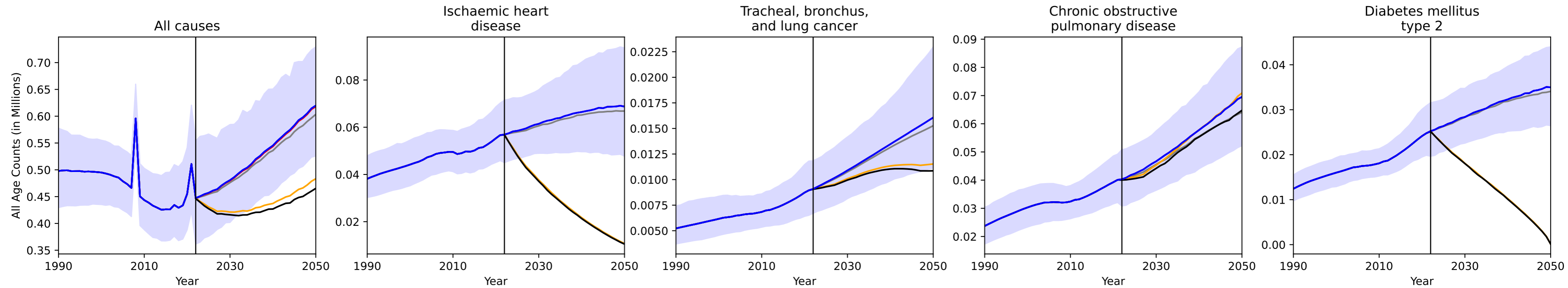
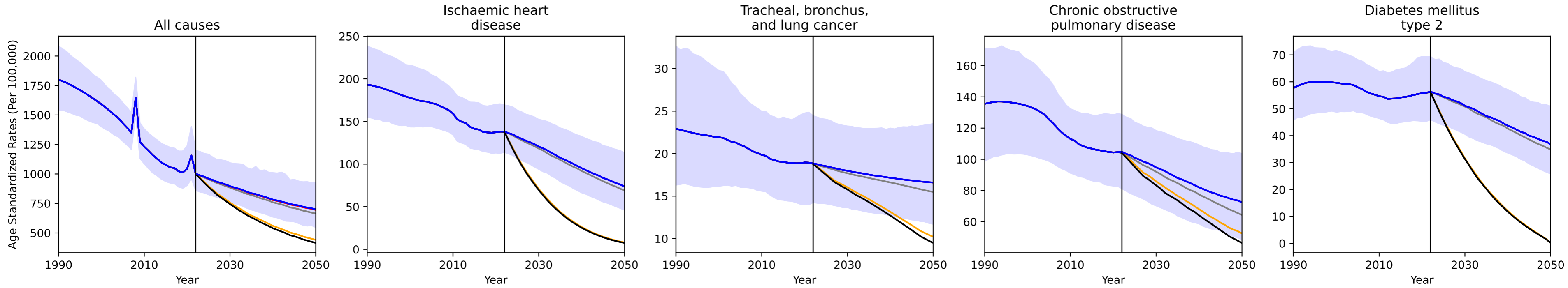


# Mauritius



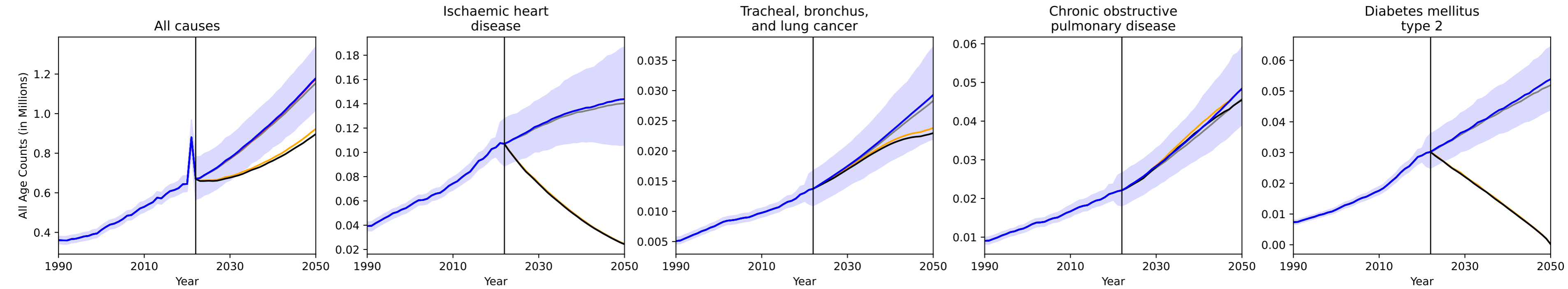
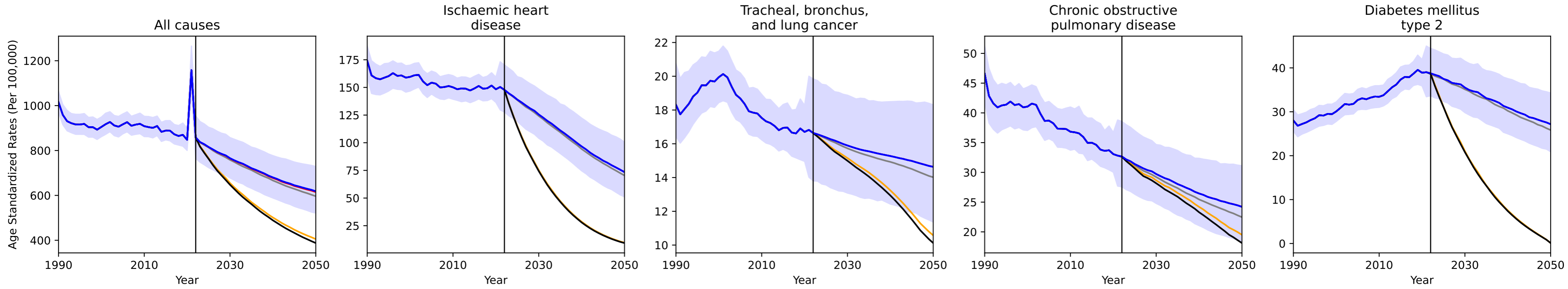
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# Myanmar

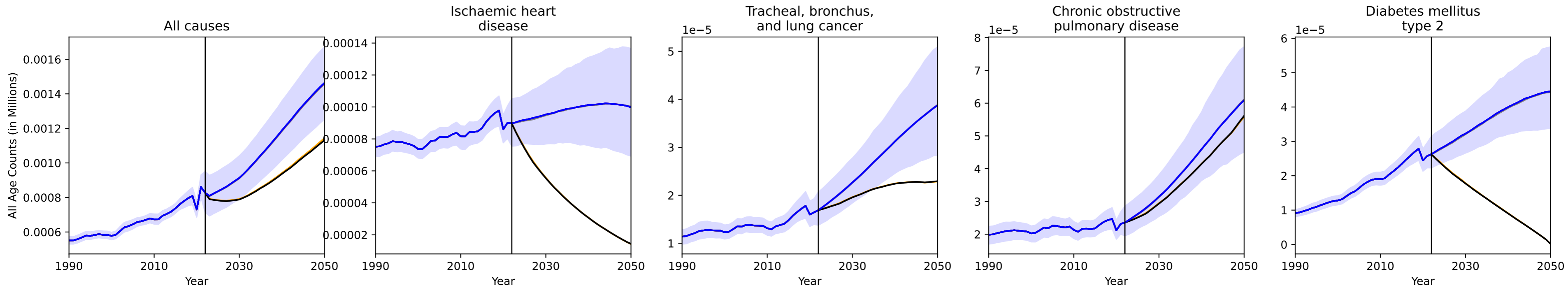
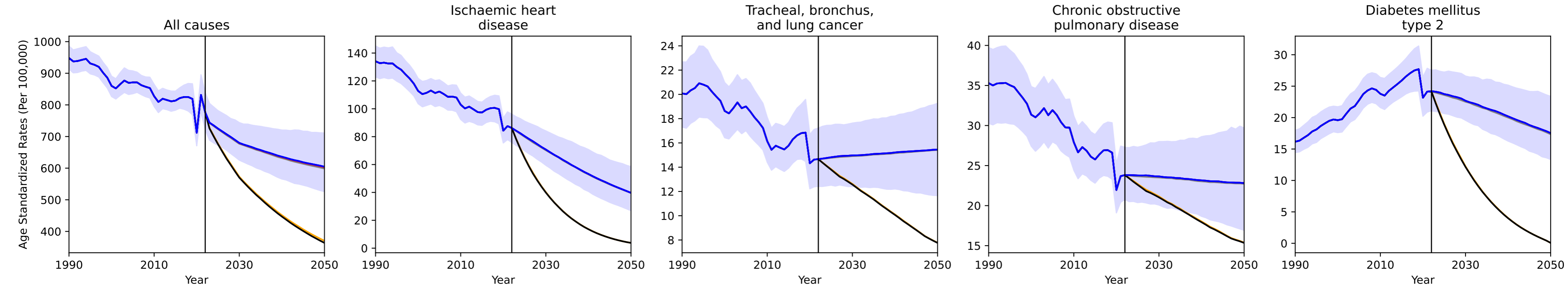


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Philippines

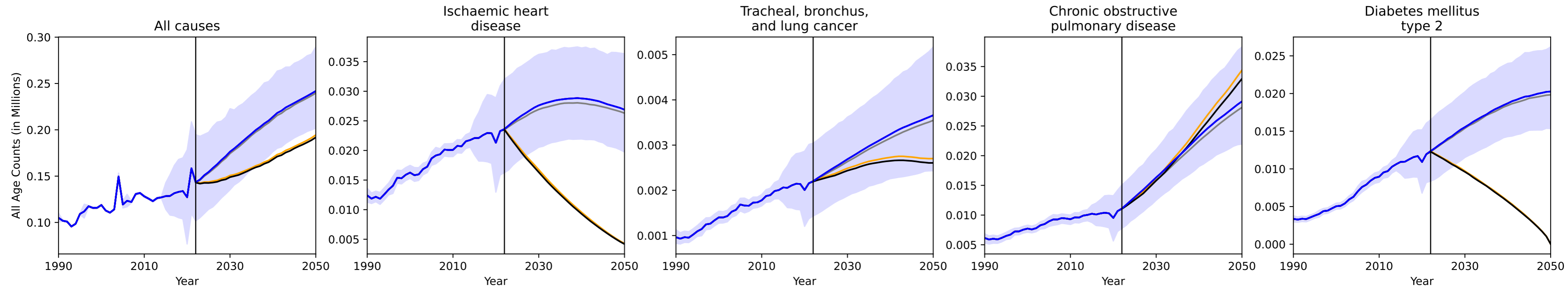
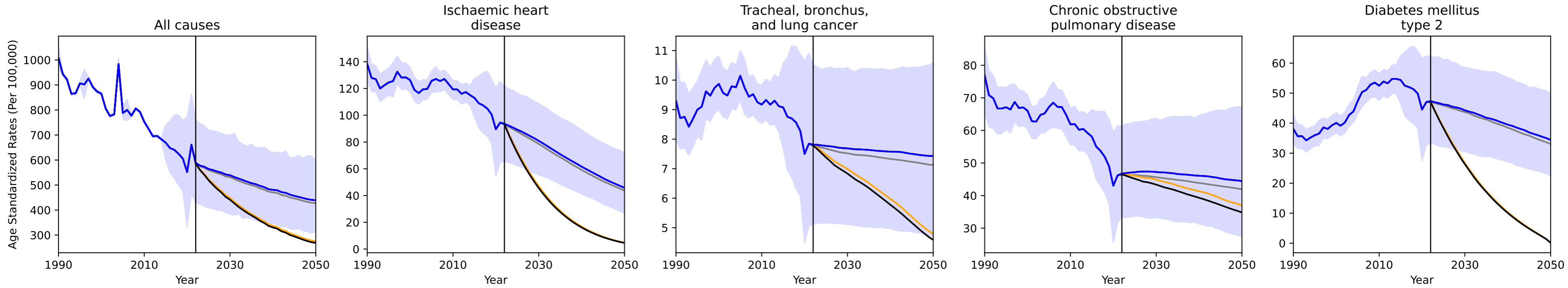


# Seychelles

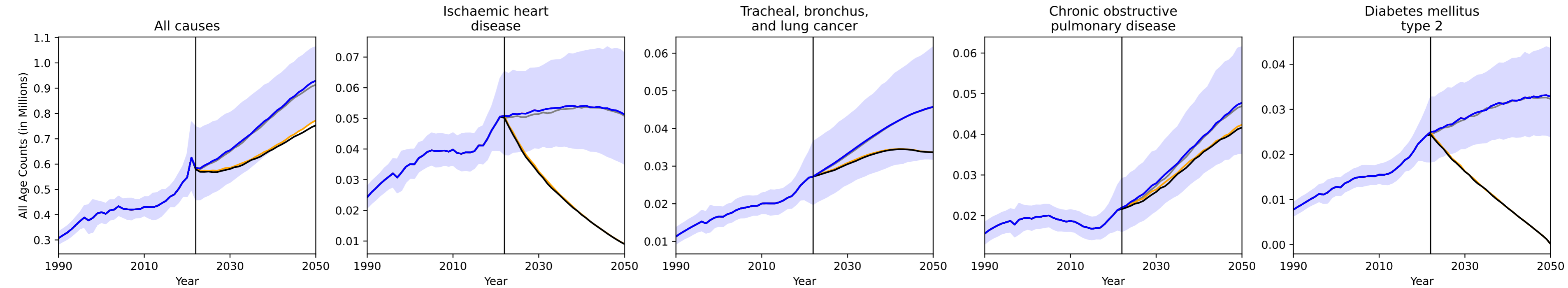
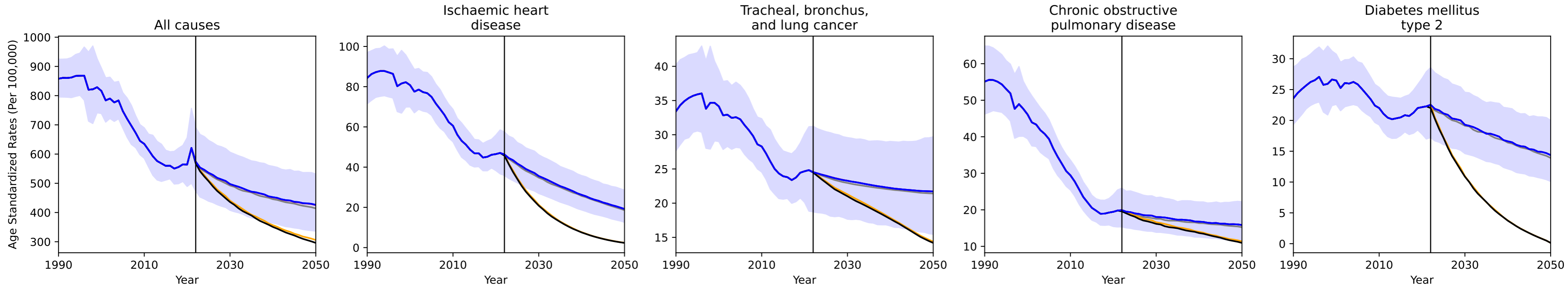




# Sri Lanka

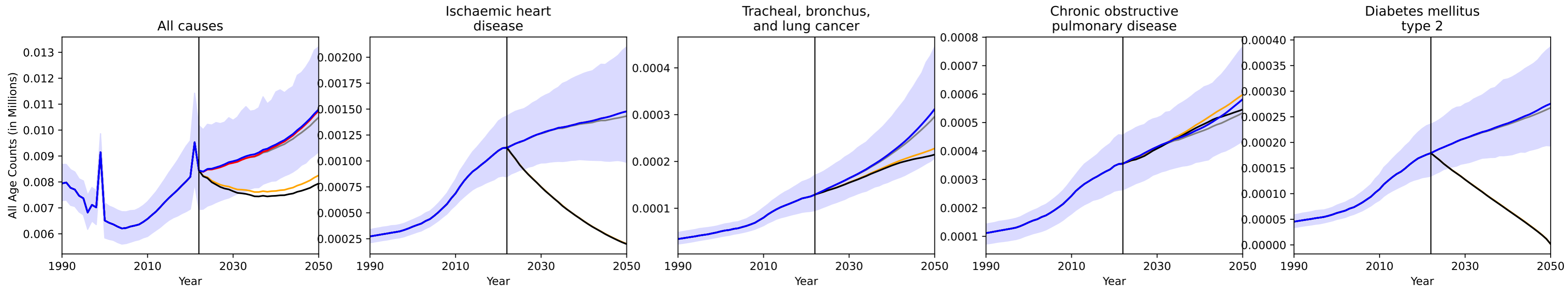
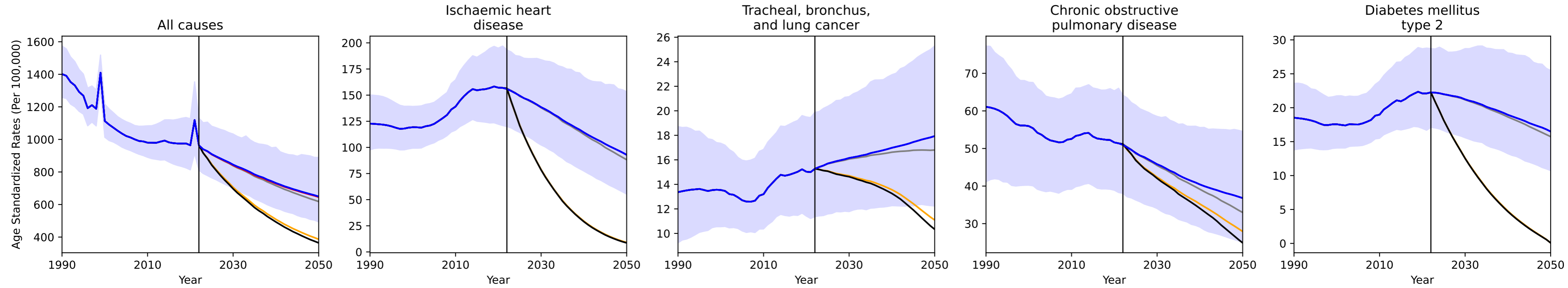


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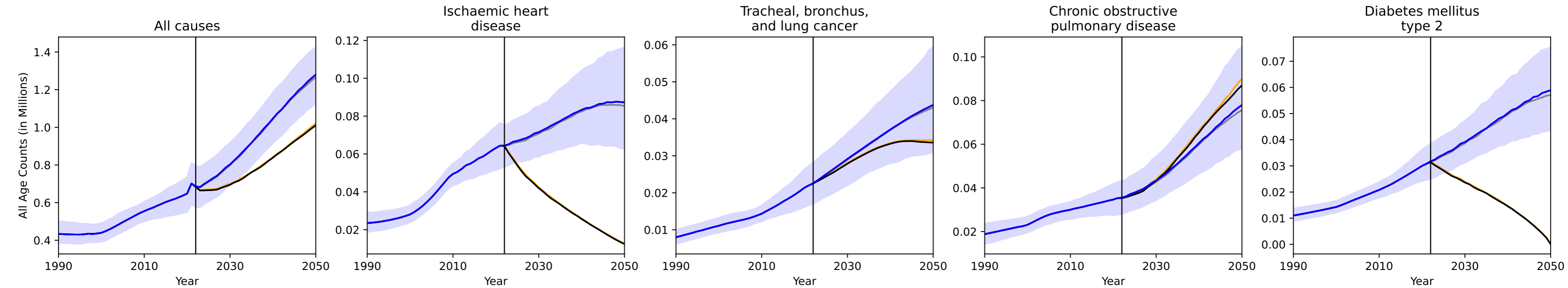
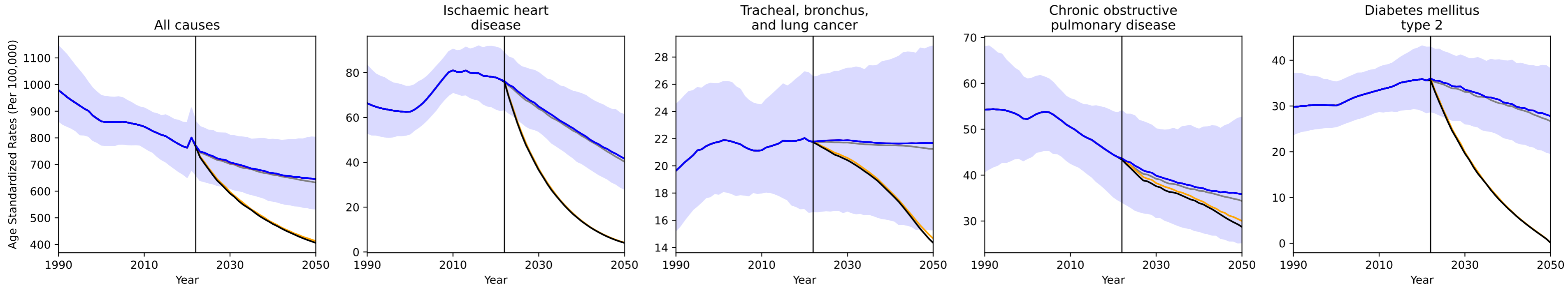


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# Timor-Leste

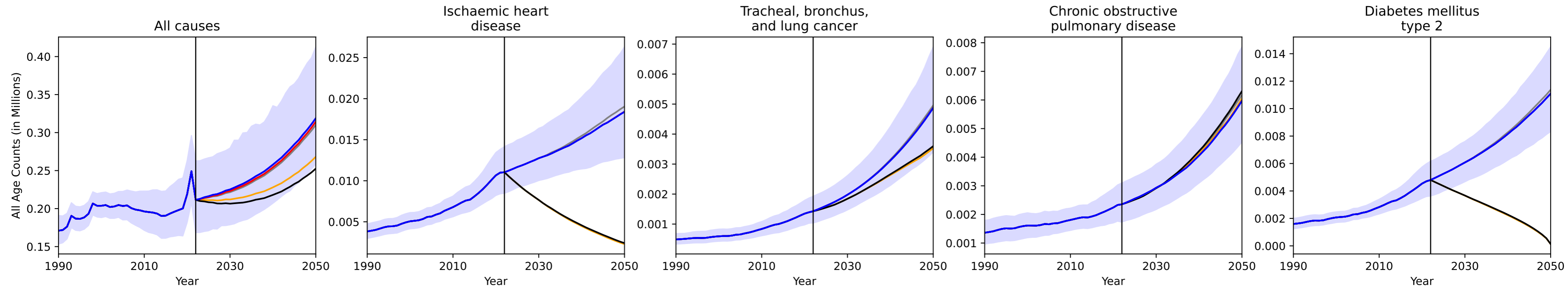
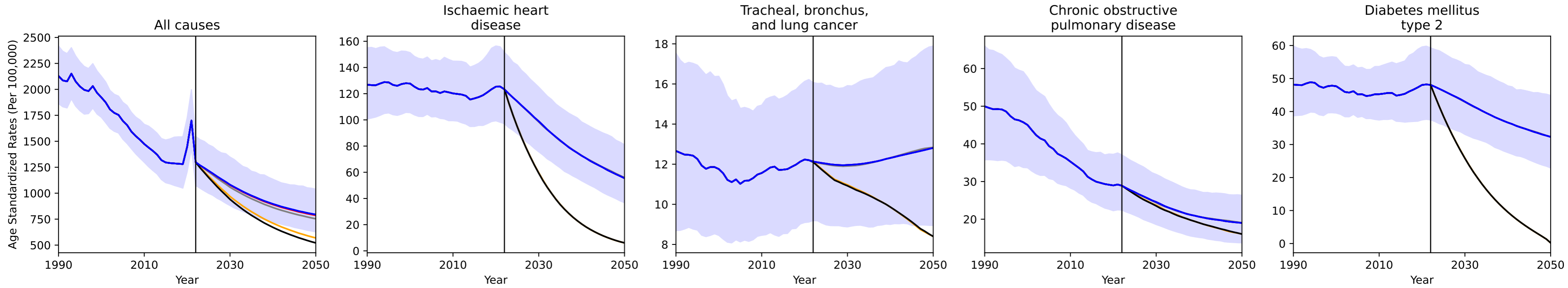


# Viet Nam



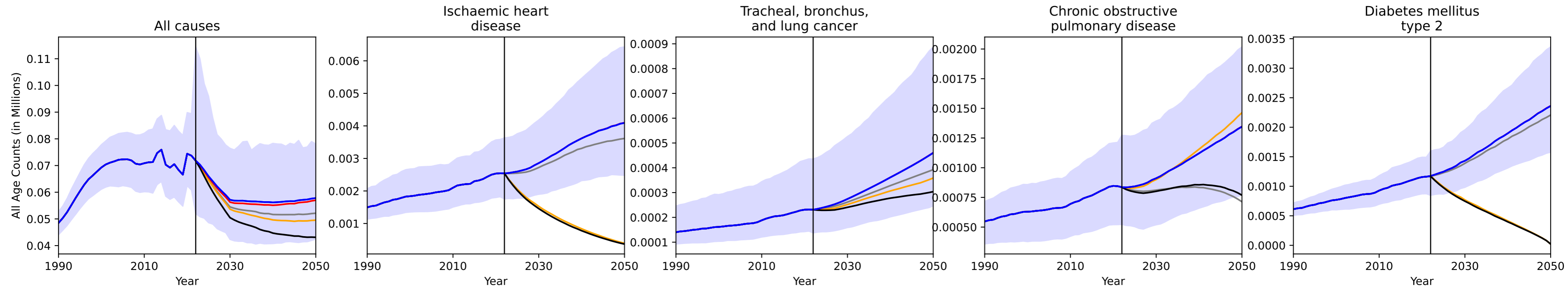
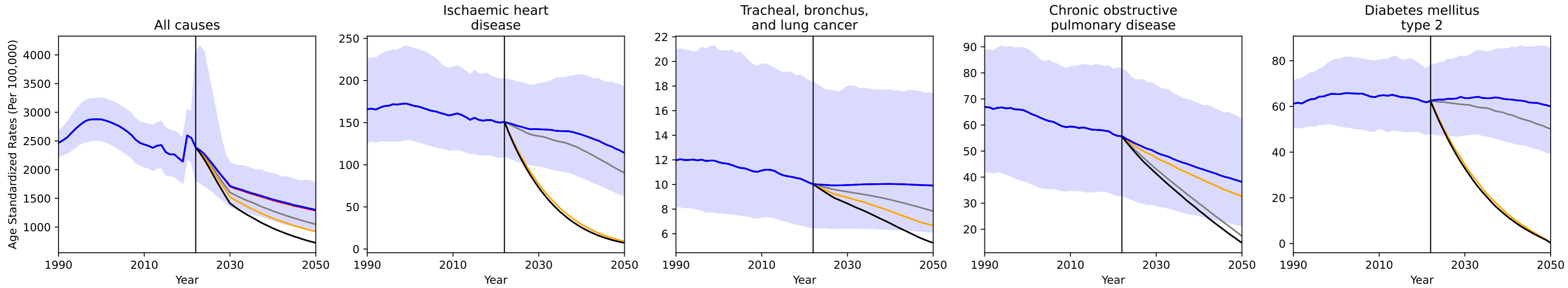
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Angola



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

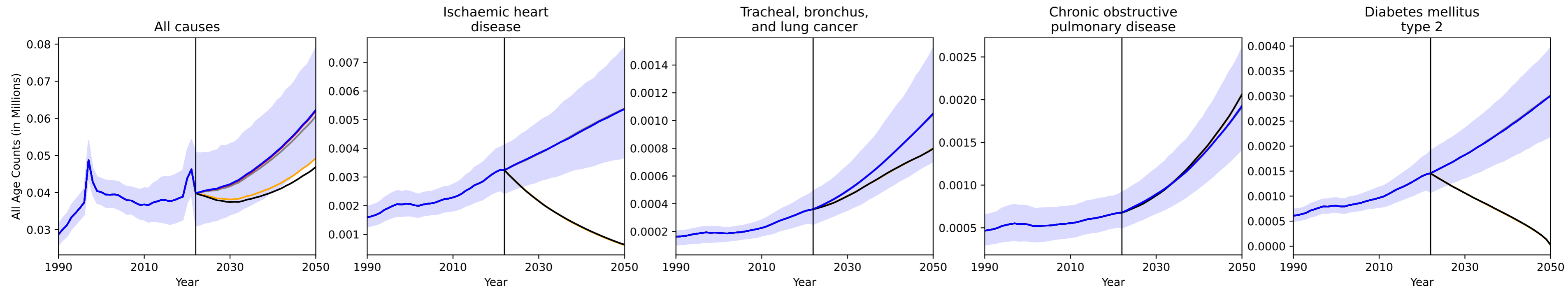
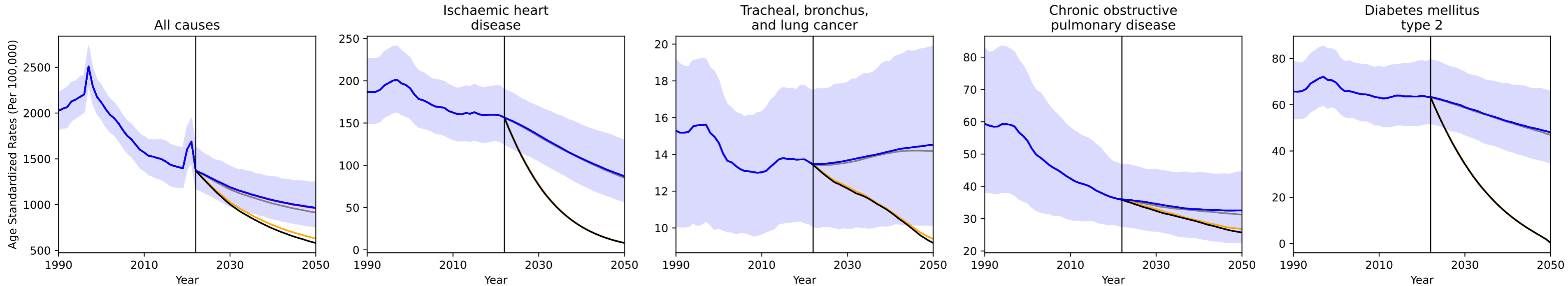
# Central African Republic



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

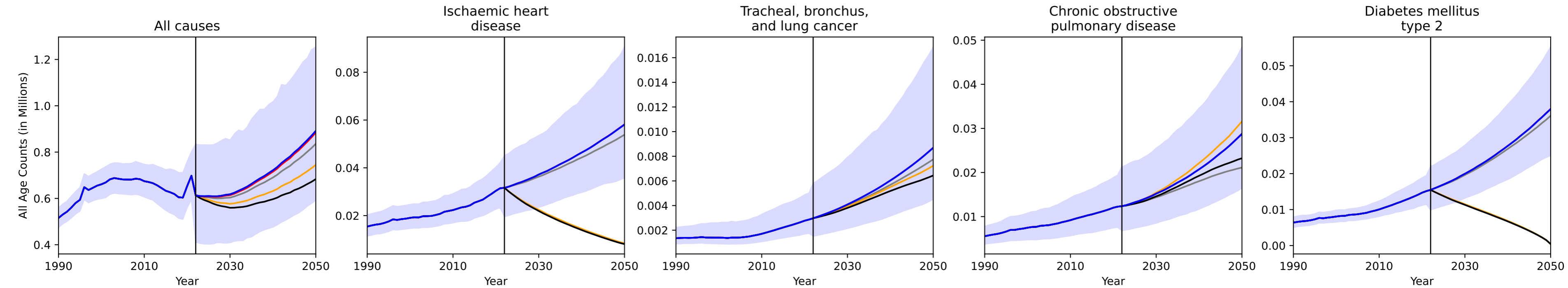
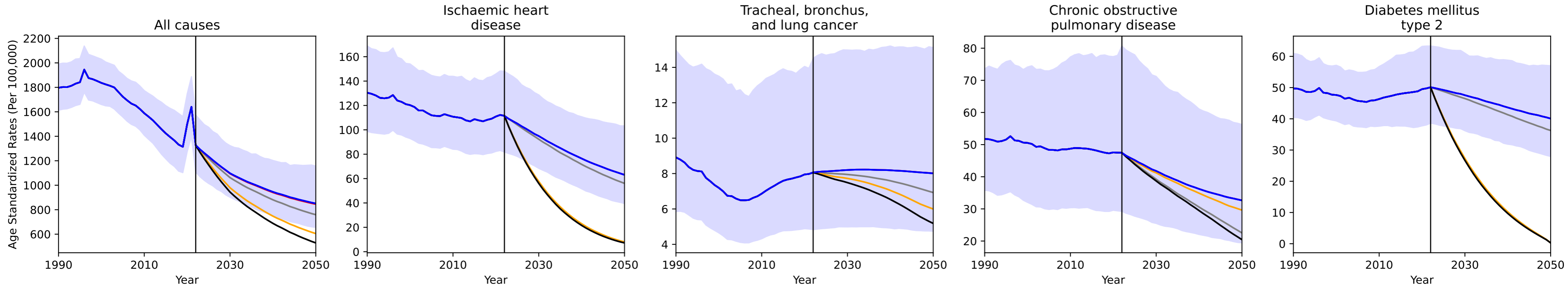
# Congo (Brazzaville)

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# DR Congo

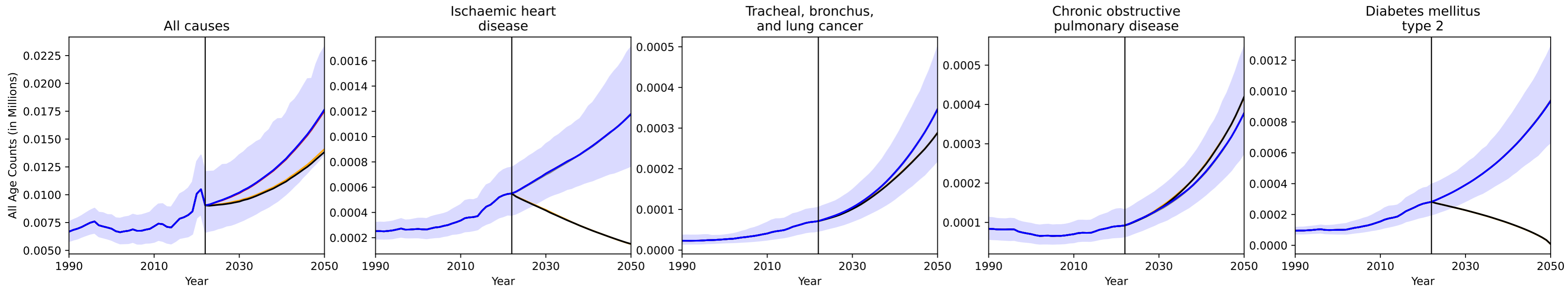
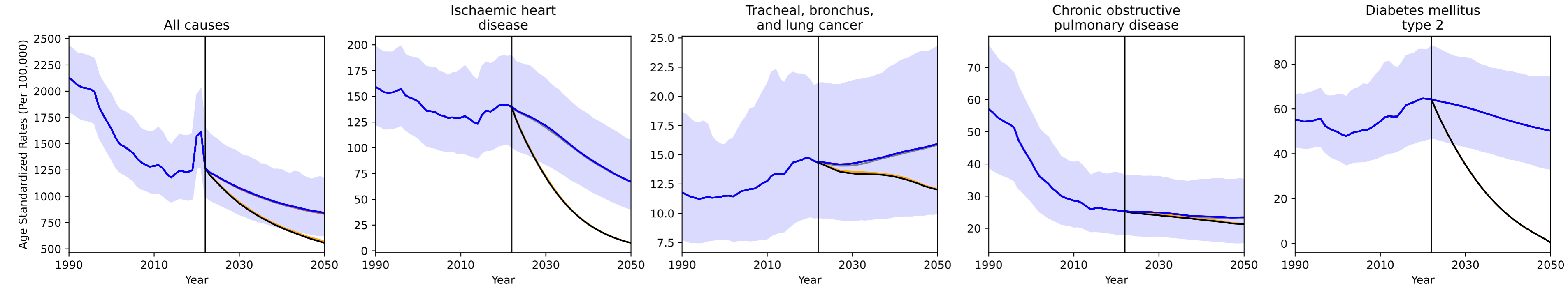


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

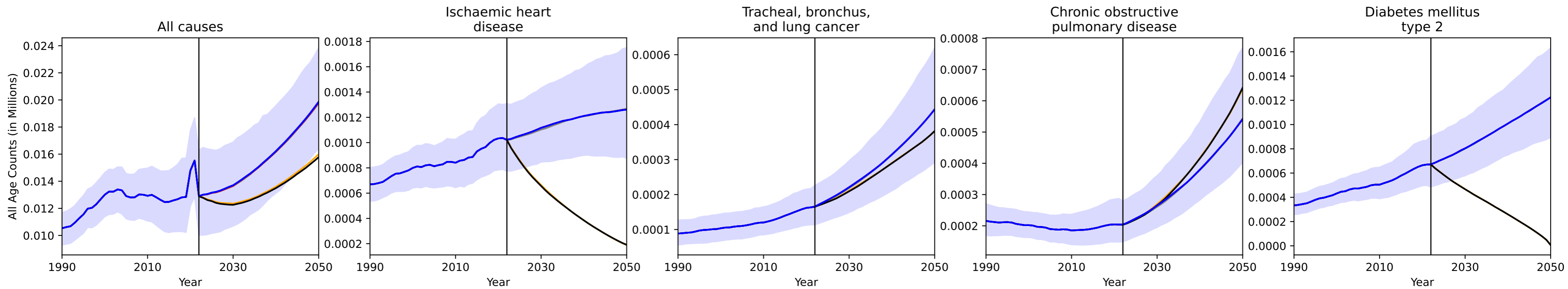
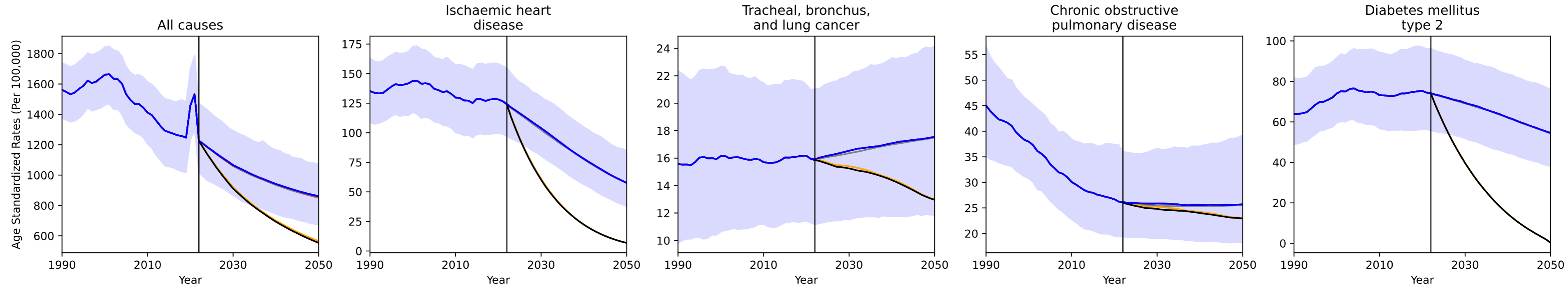


# Equatorial Guinea

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

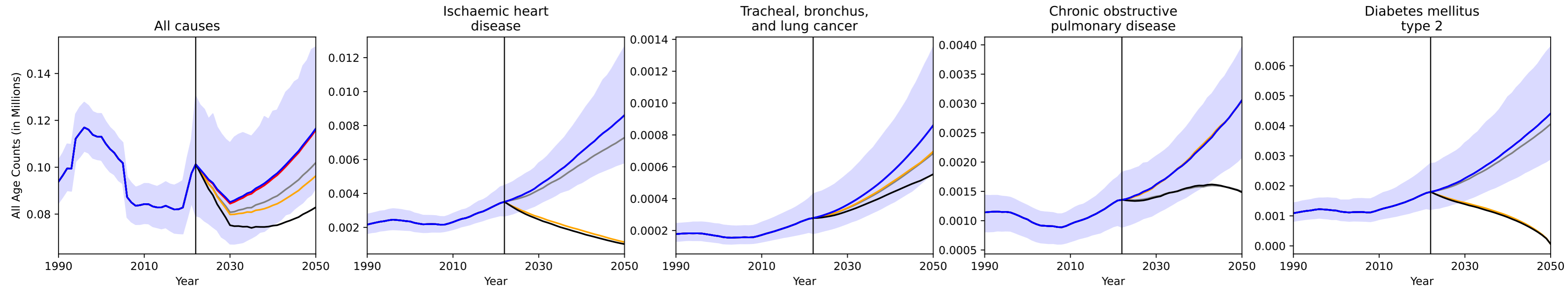
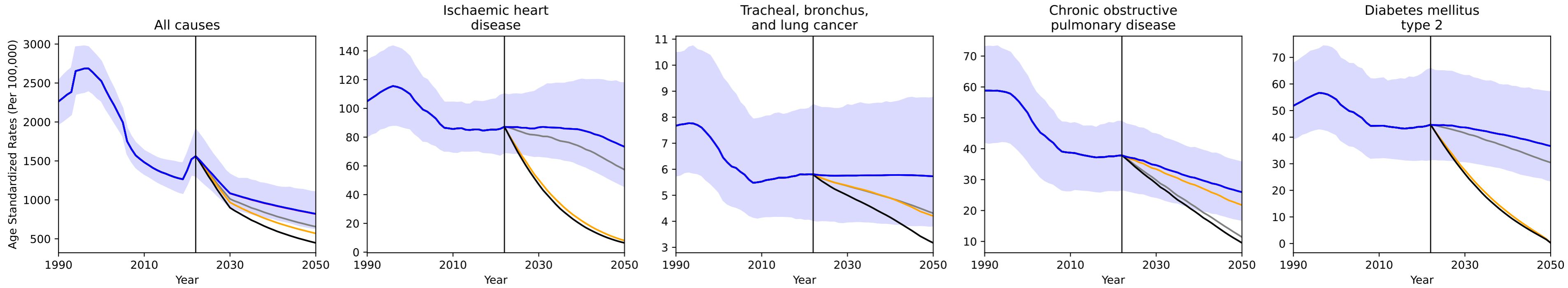


# Gabon



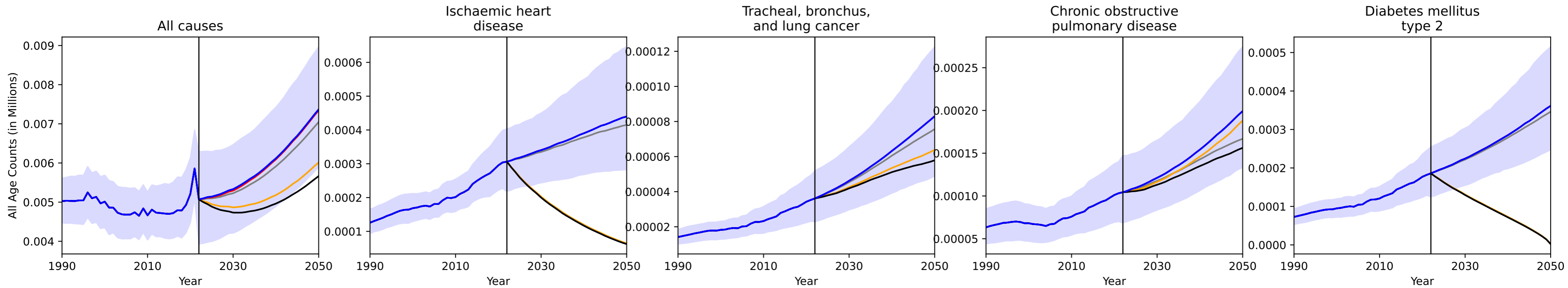
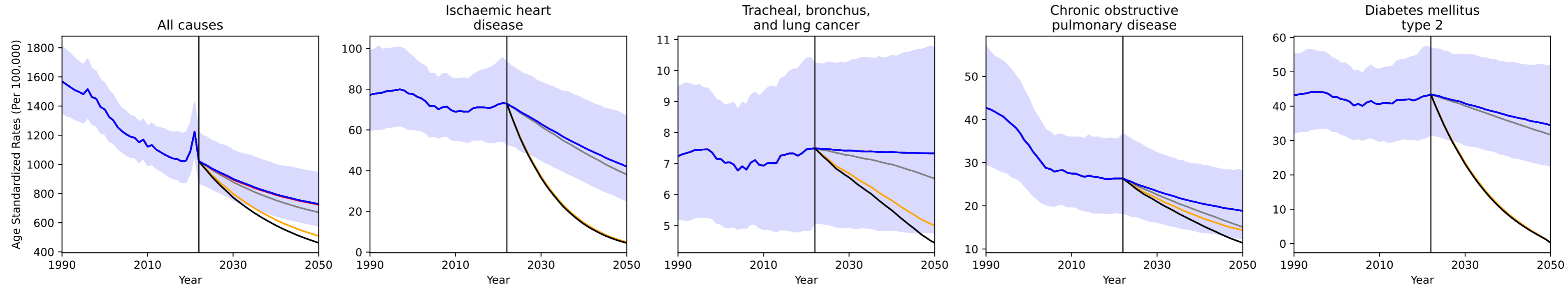
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Burundi



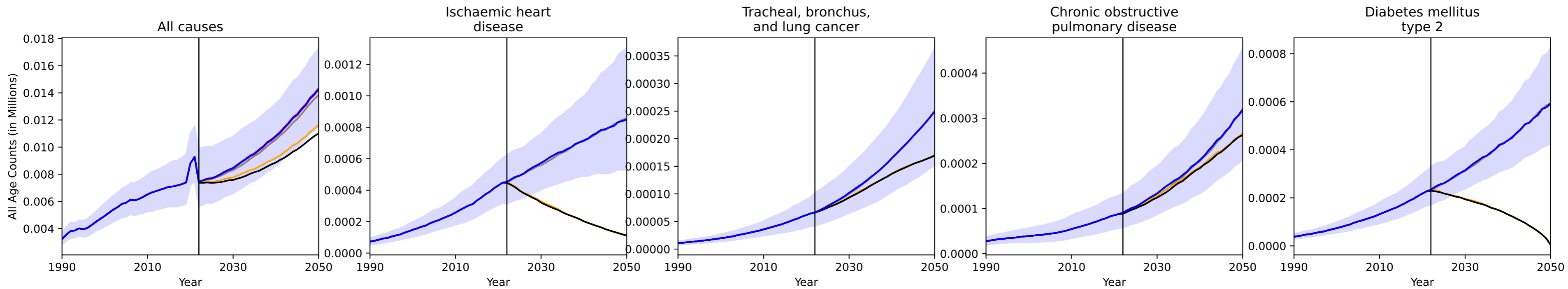
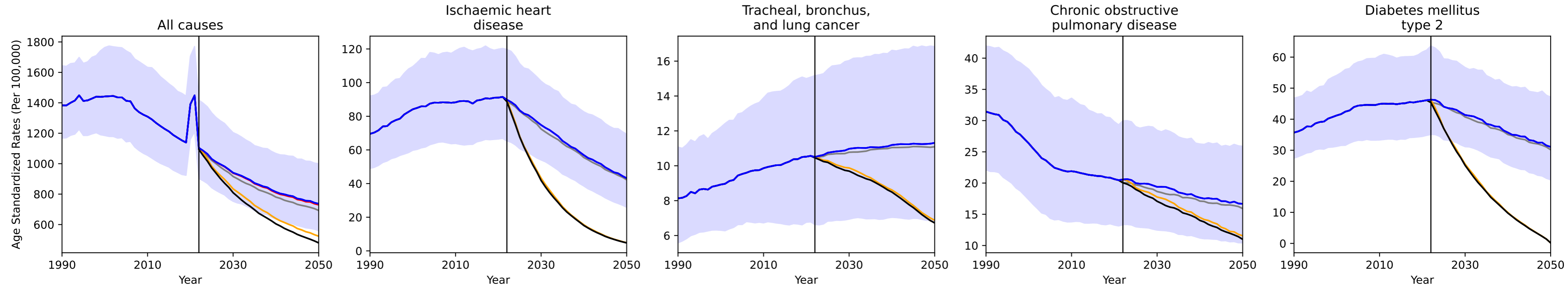
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# Comoros



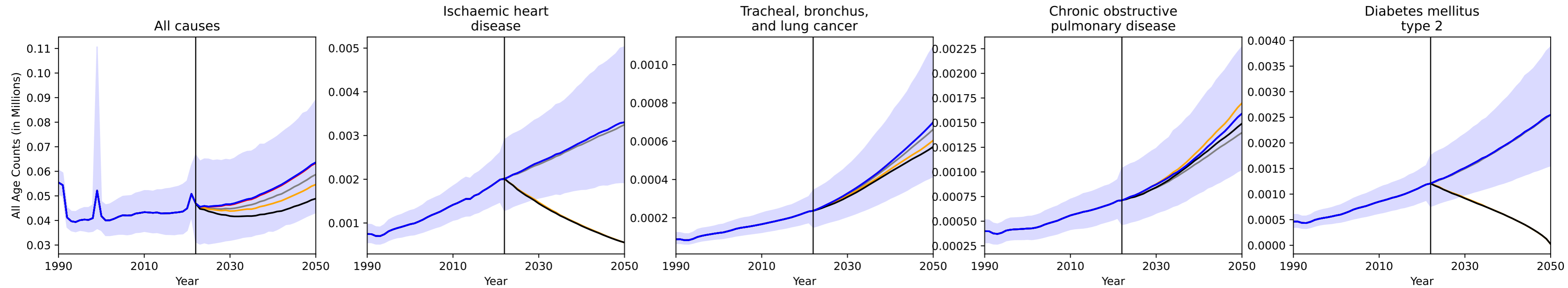
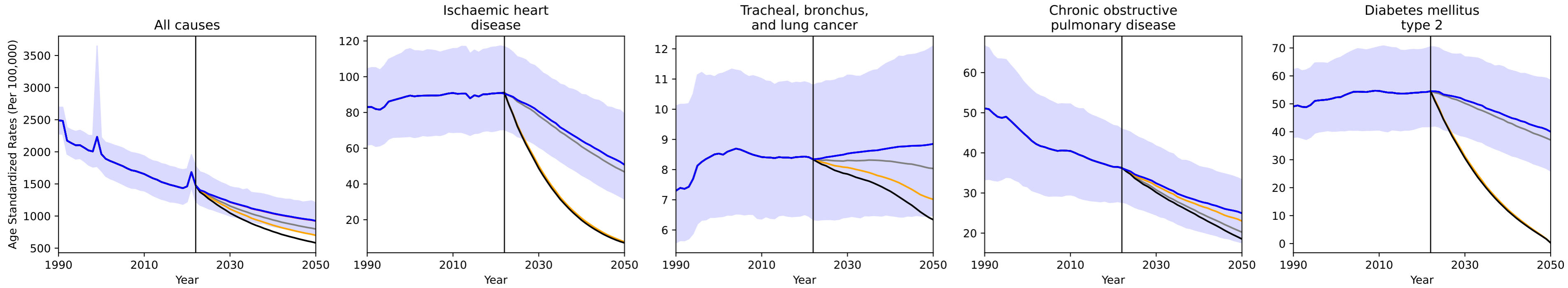
# Djibouti

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



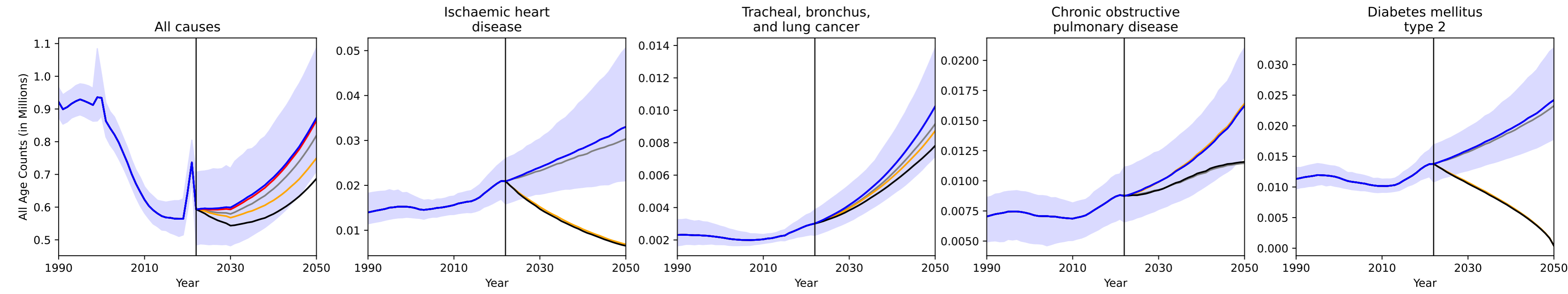
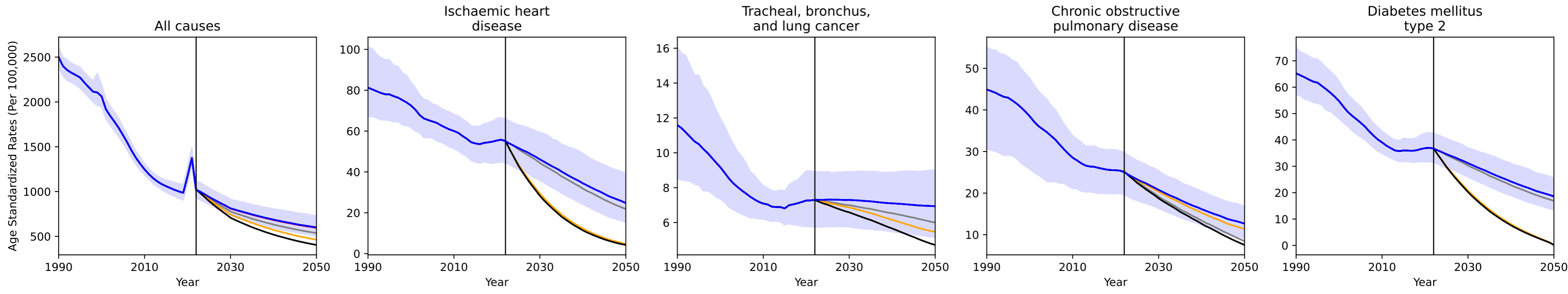
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# Eritrea

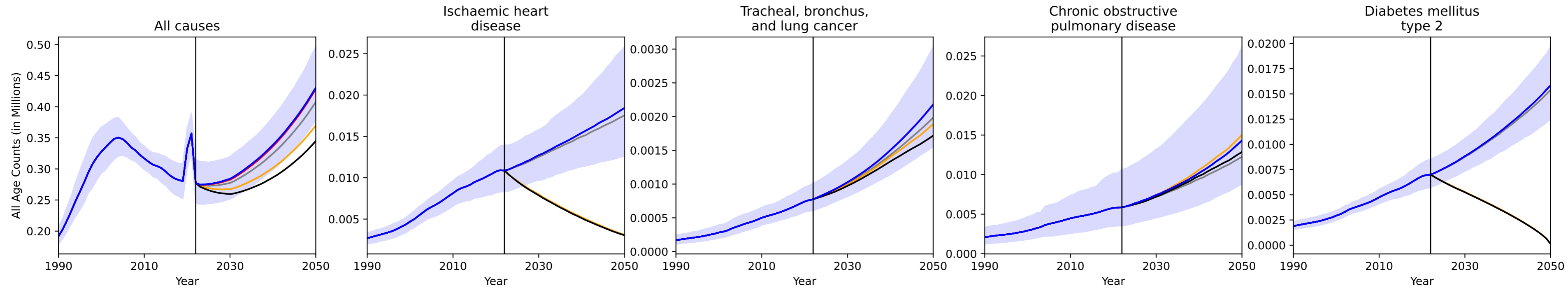
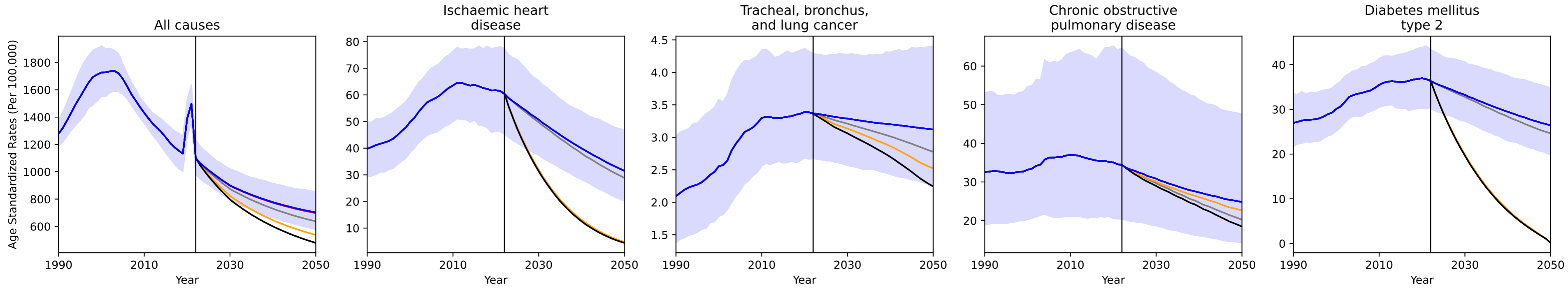


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# Ethiopia



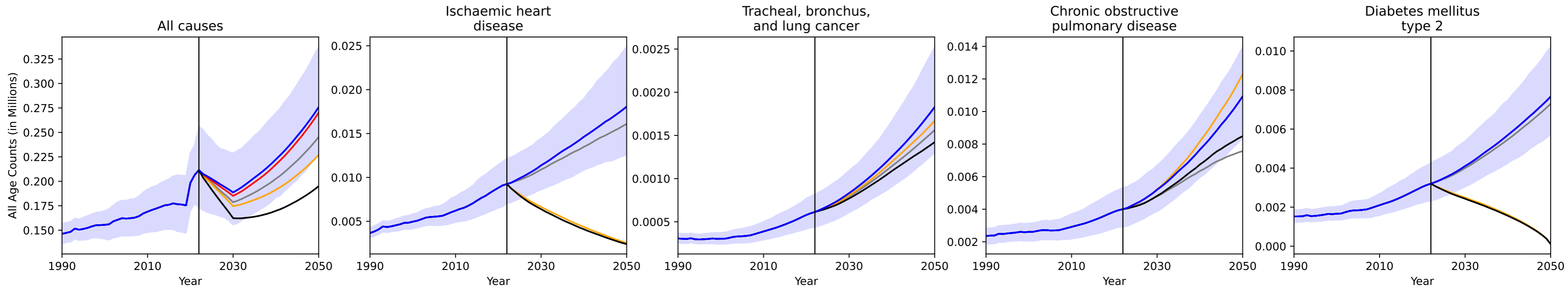
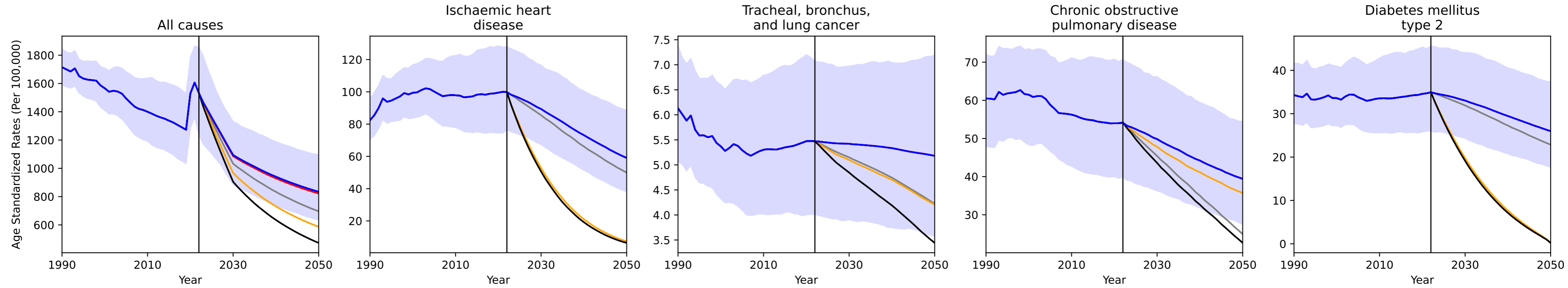
# Kenya



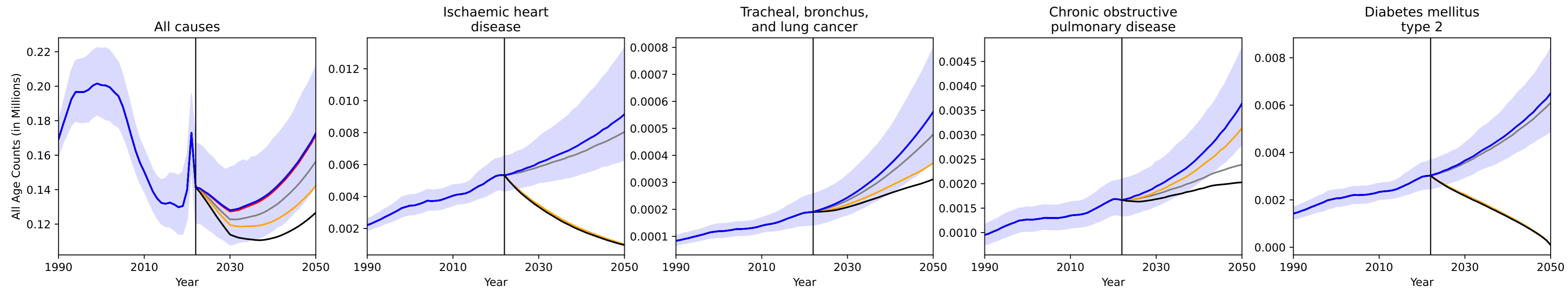
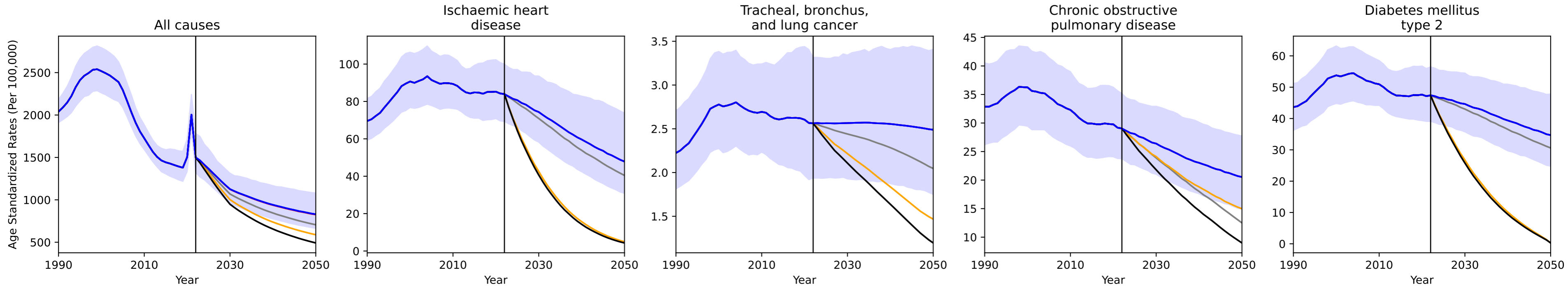
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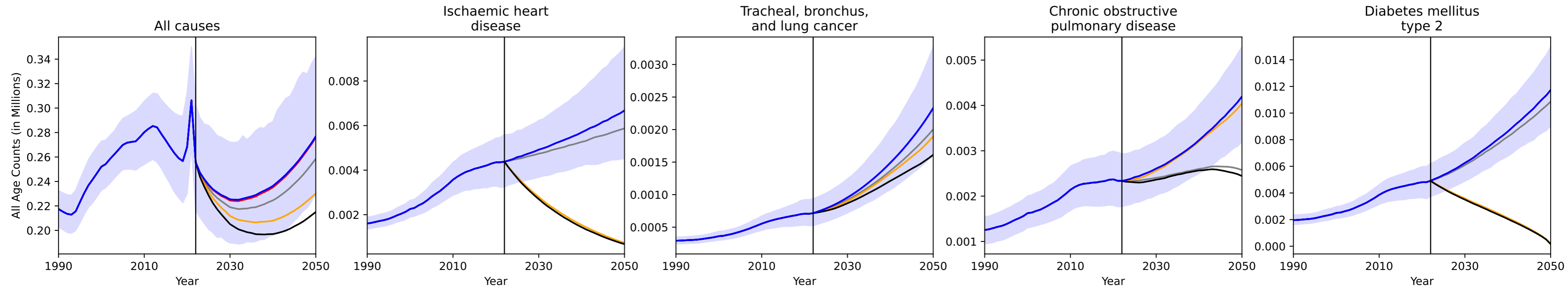
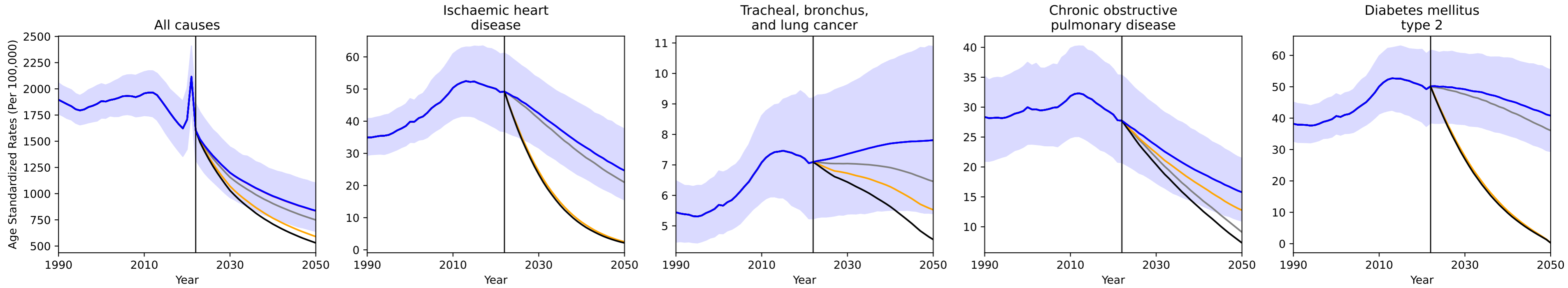
# Madagascar



# Malawi



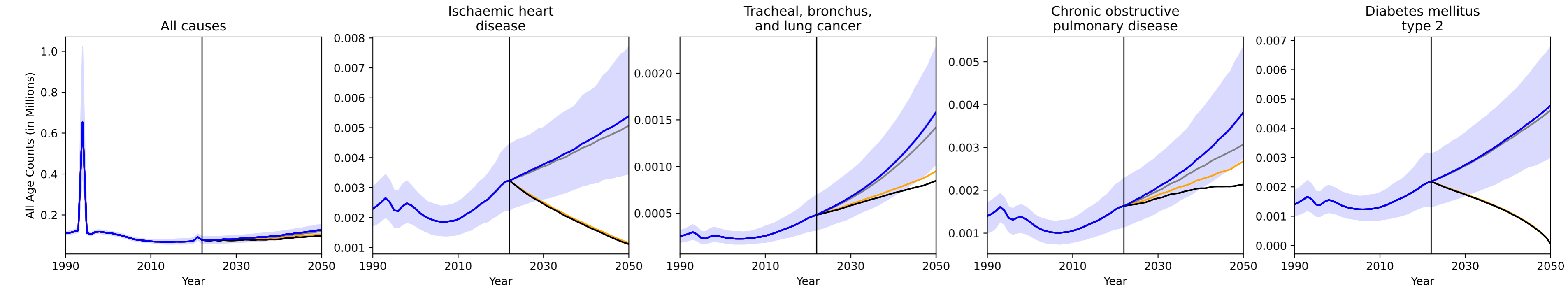
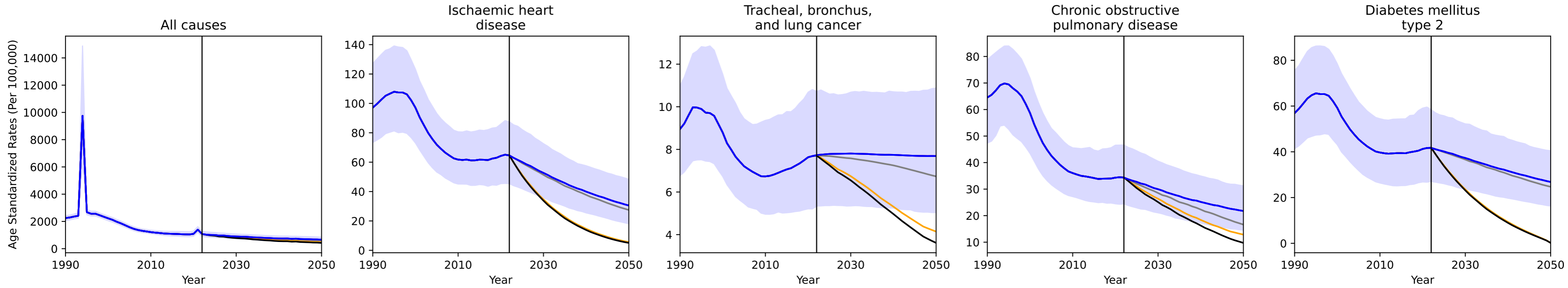
# Mozambique



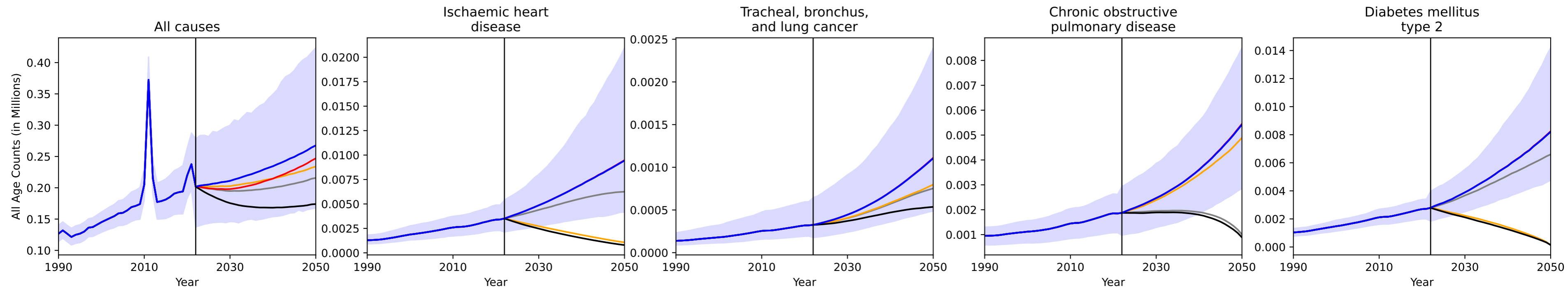
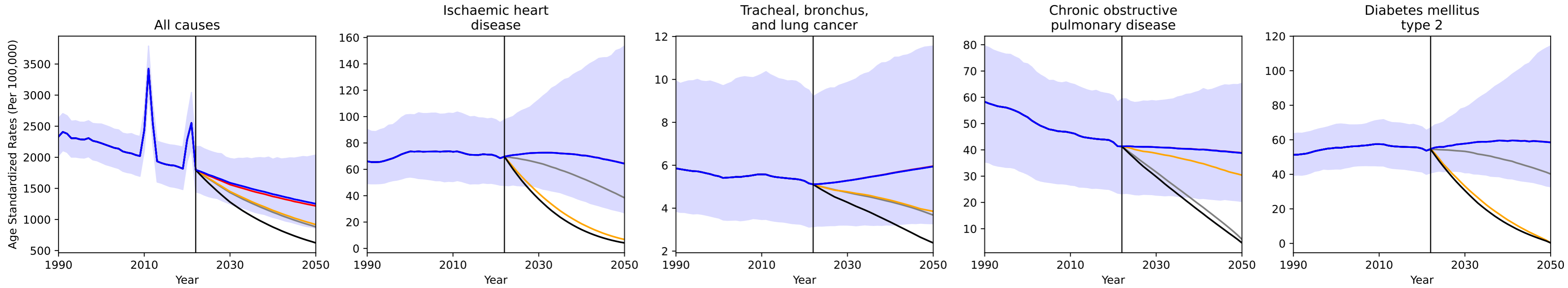
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Rwanda

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

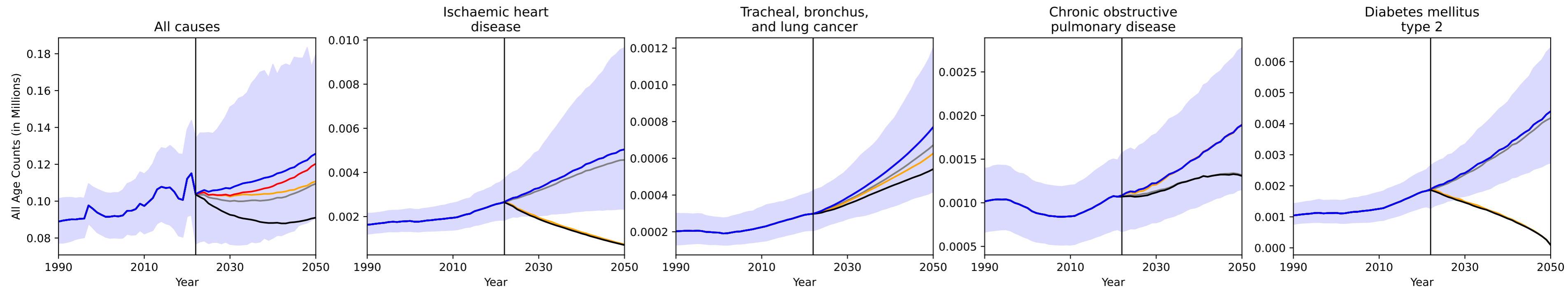
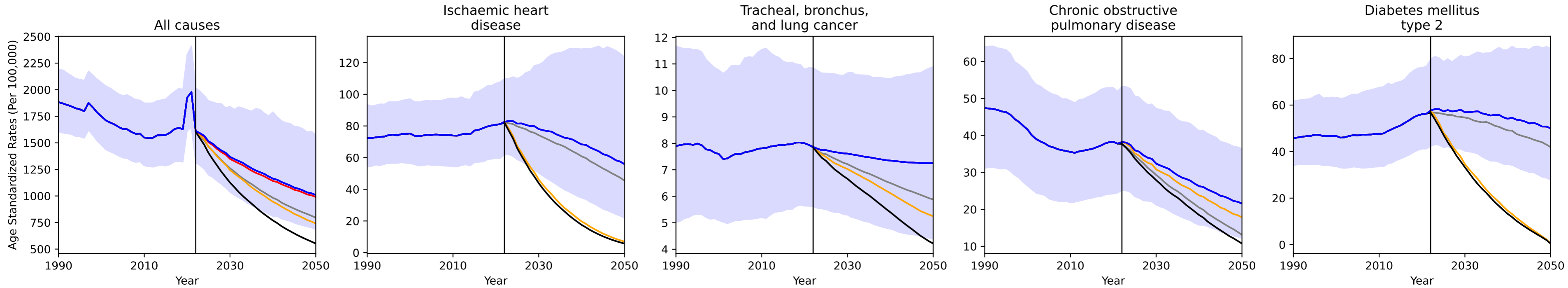


# Somalia

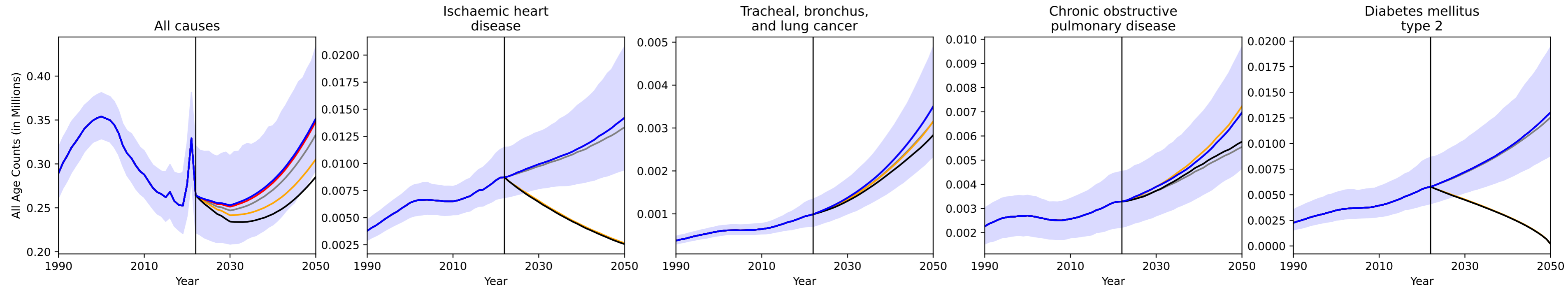
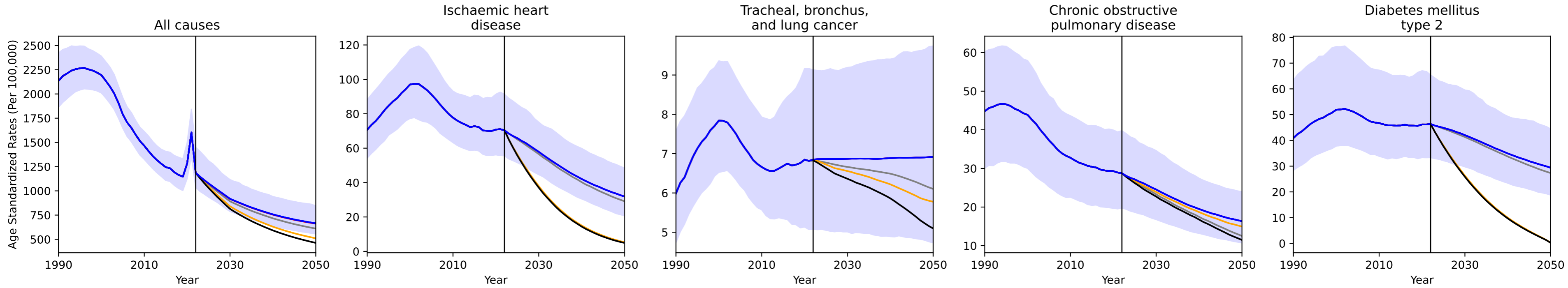


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# South Sudan

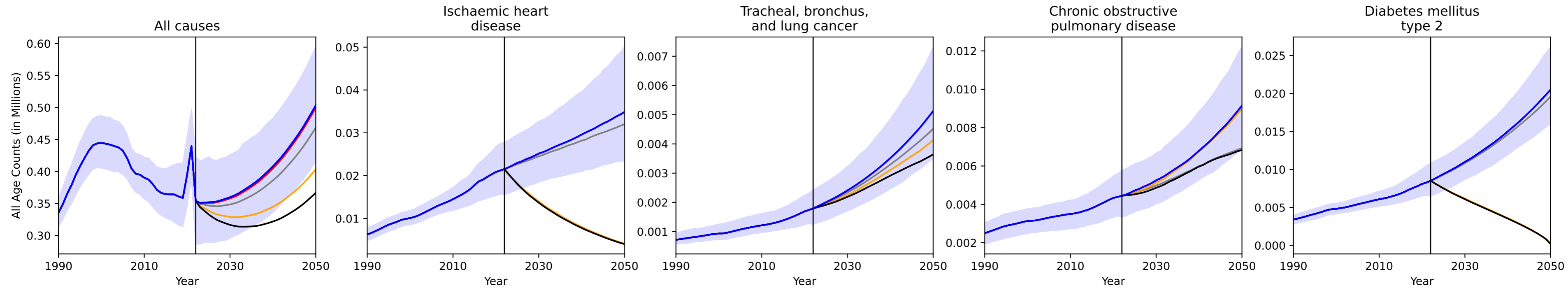
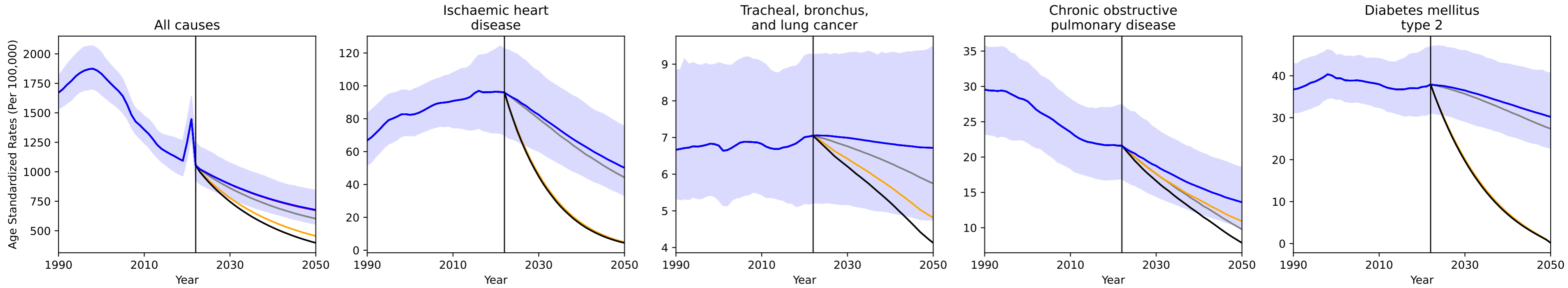


# Uganda



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Tanzania

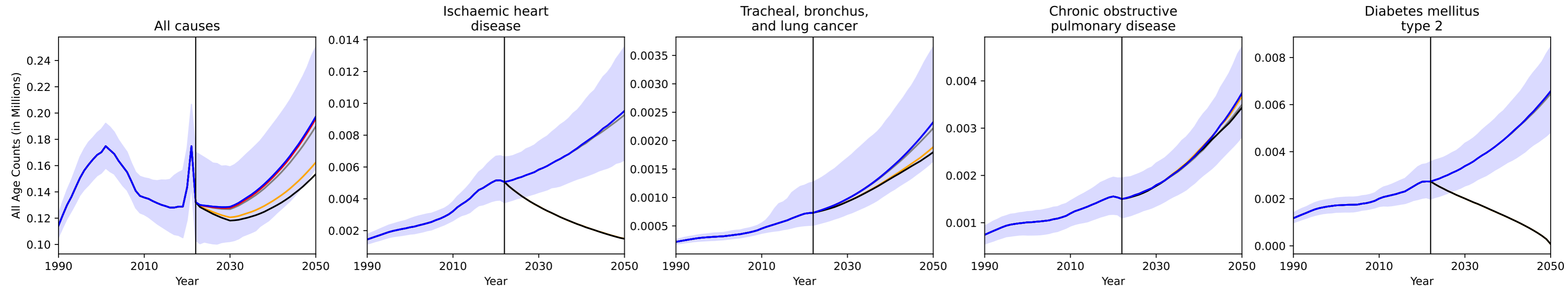
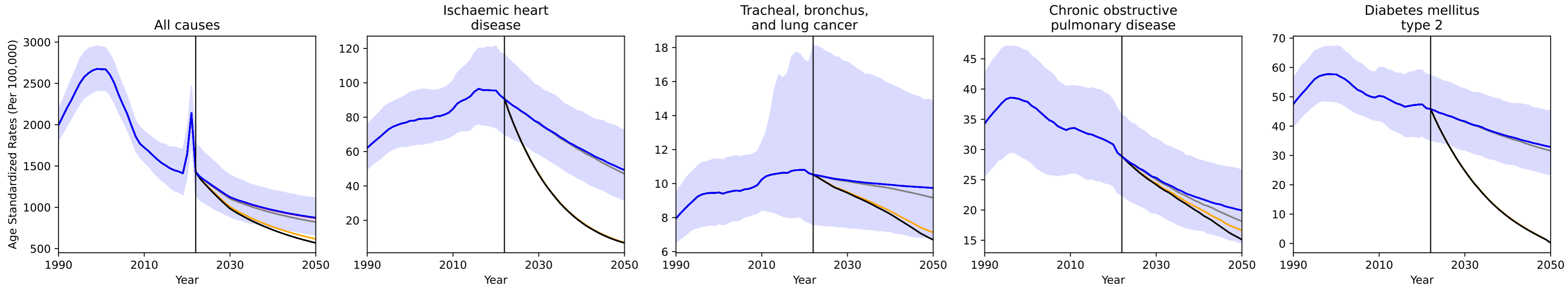


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



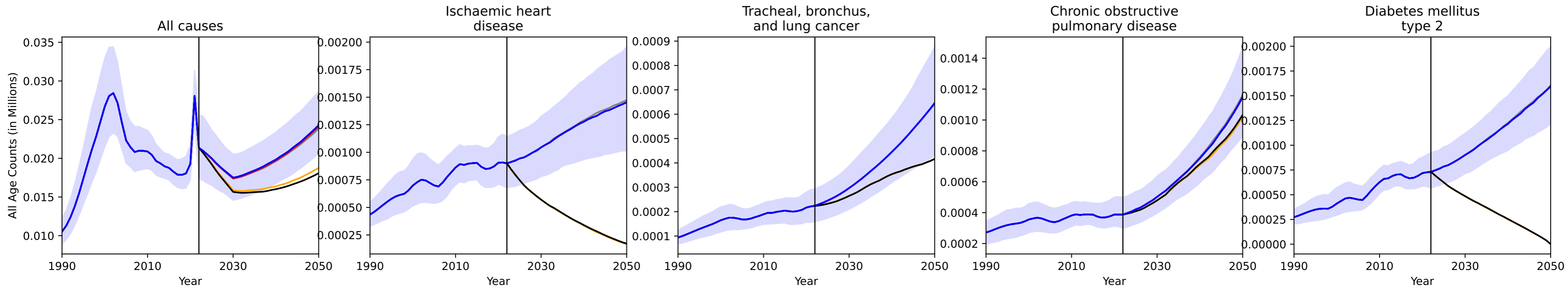
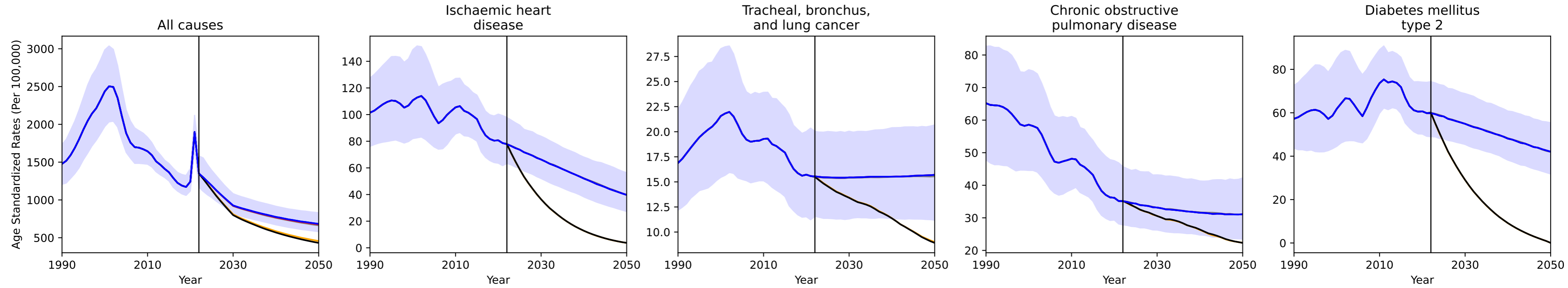
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Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050

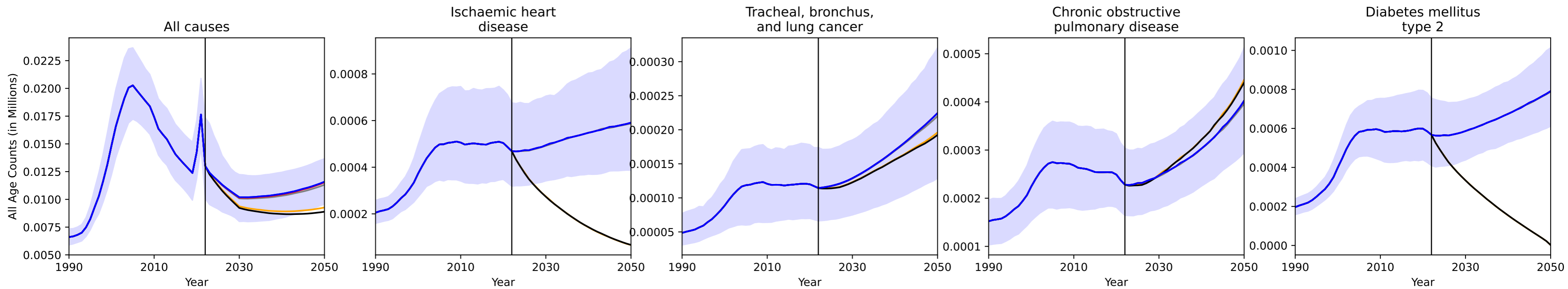
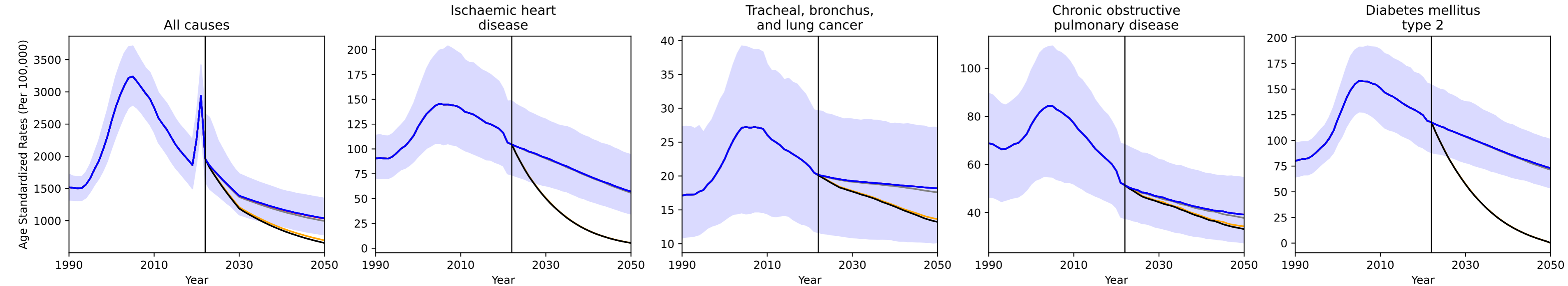


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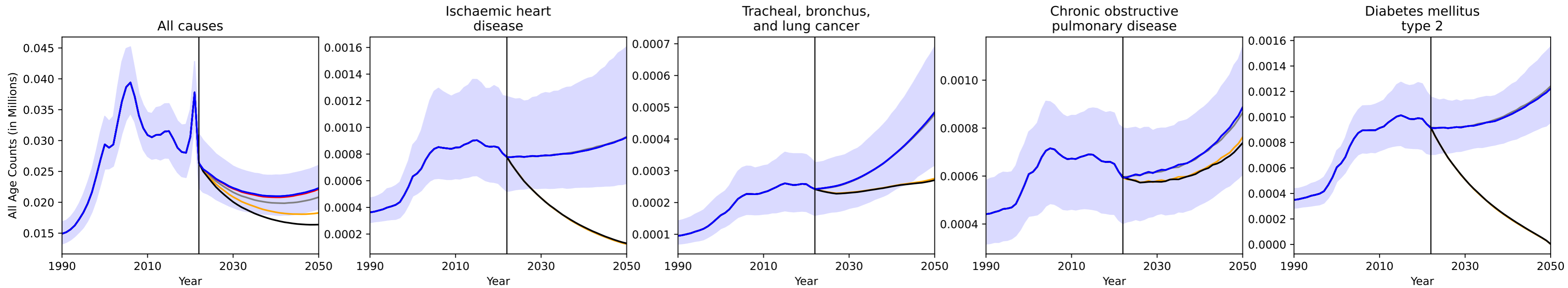
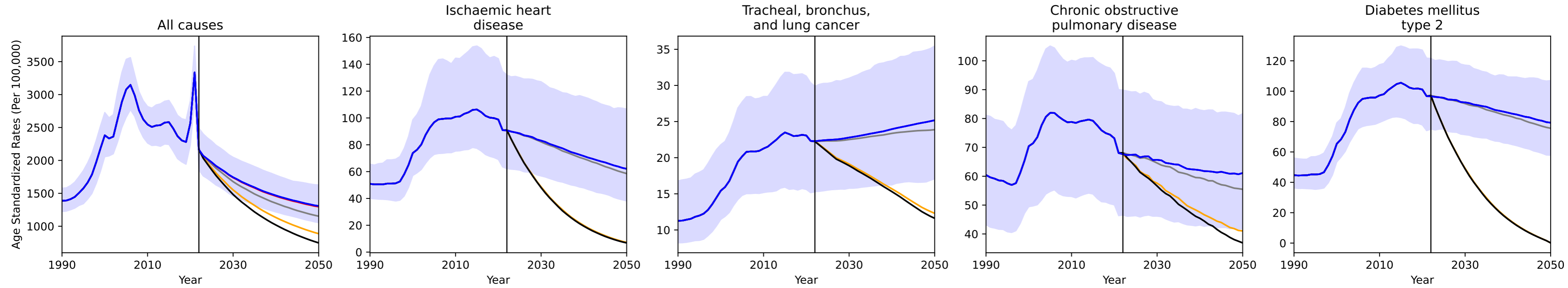
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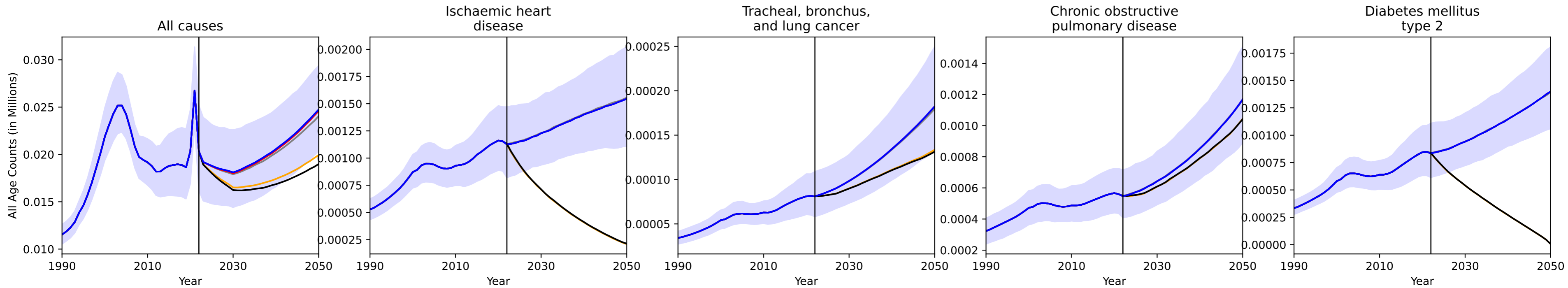
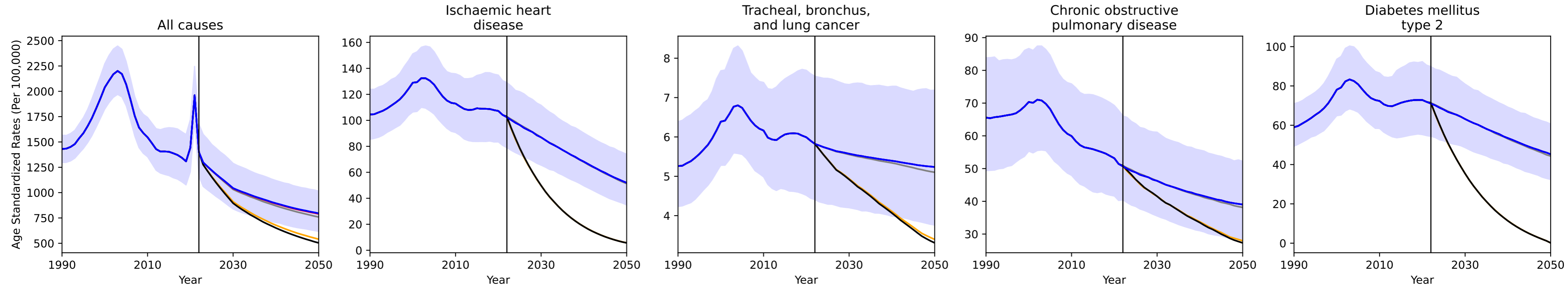
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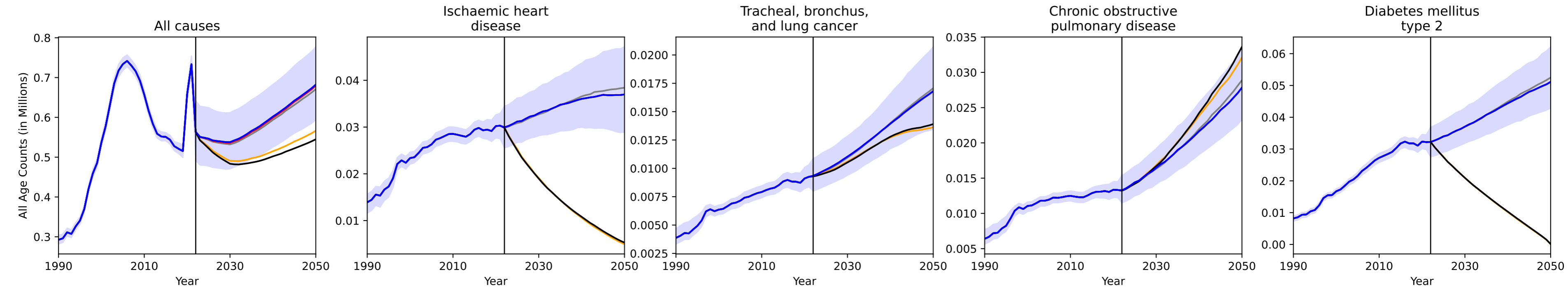
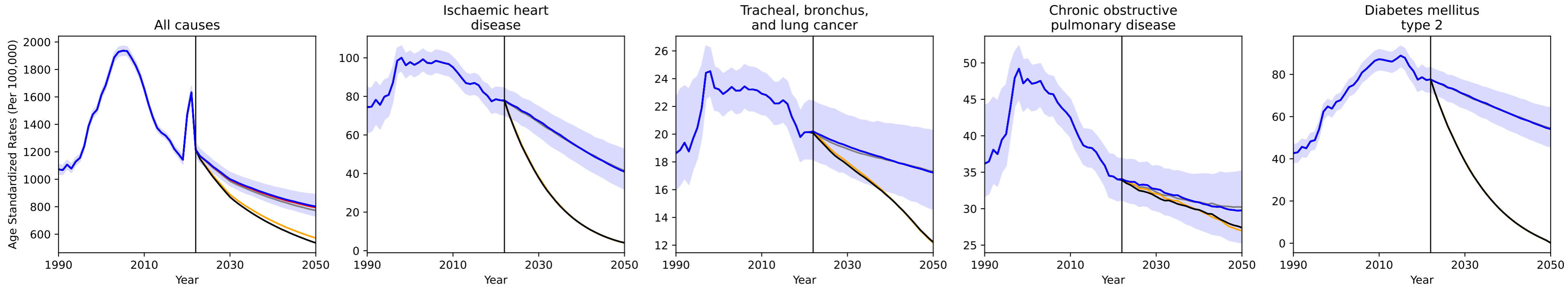
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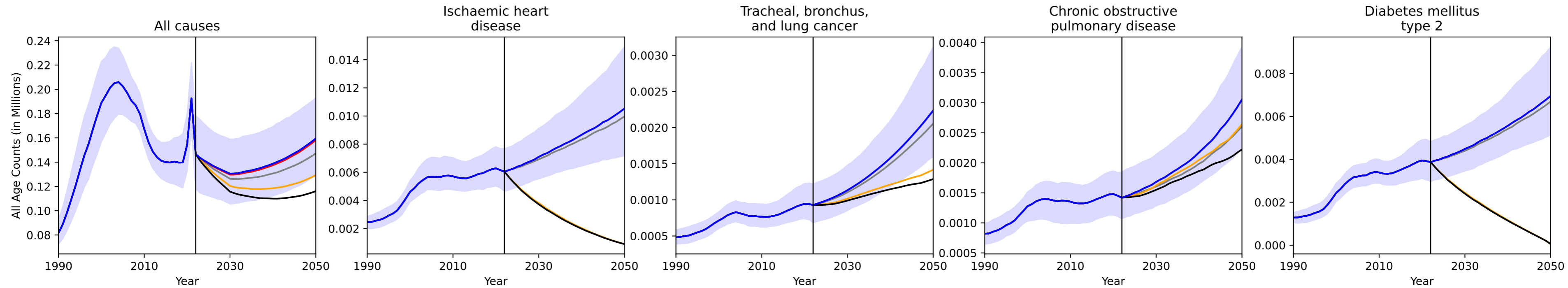
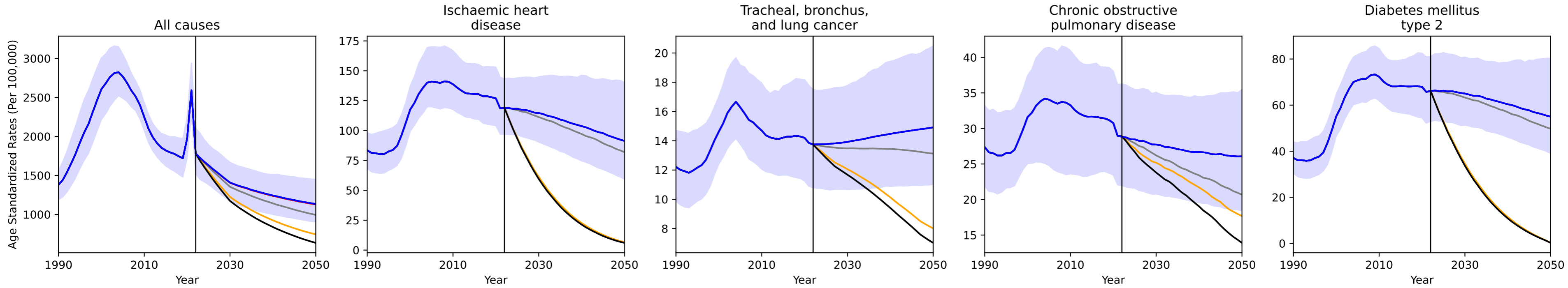
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# South Africa

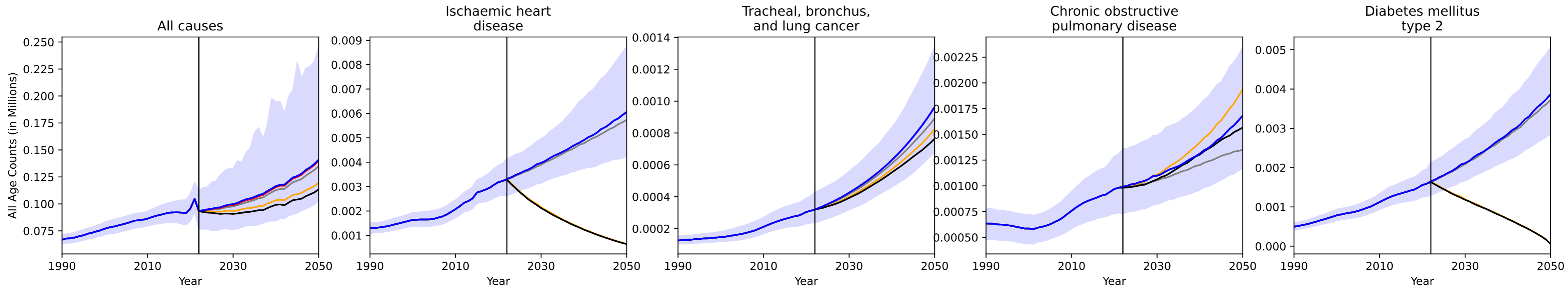
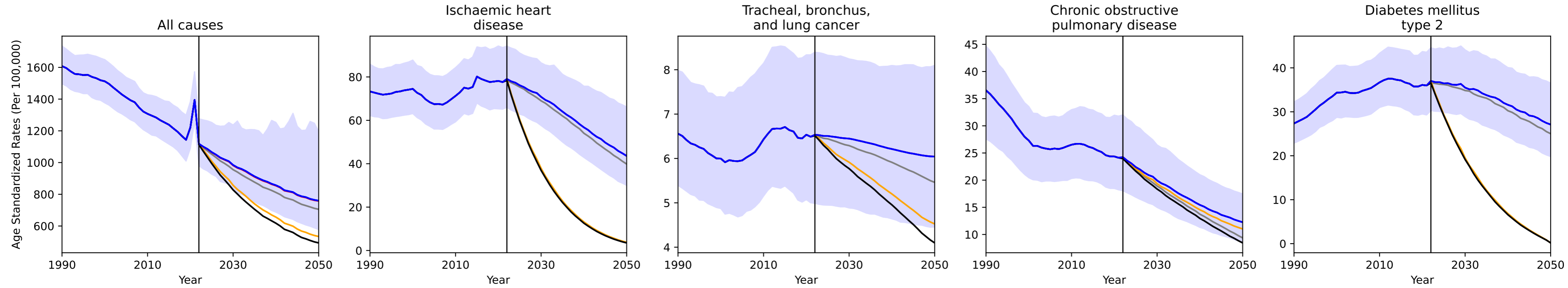


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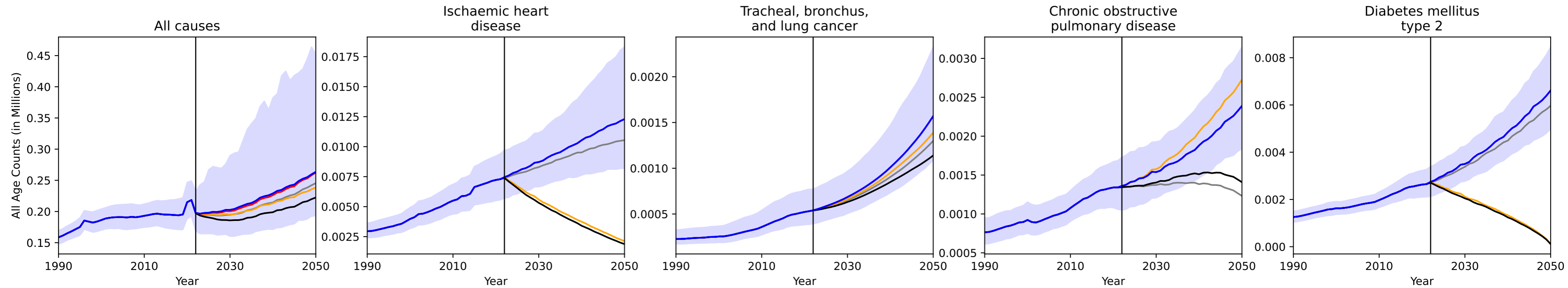
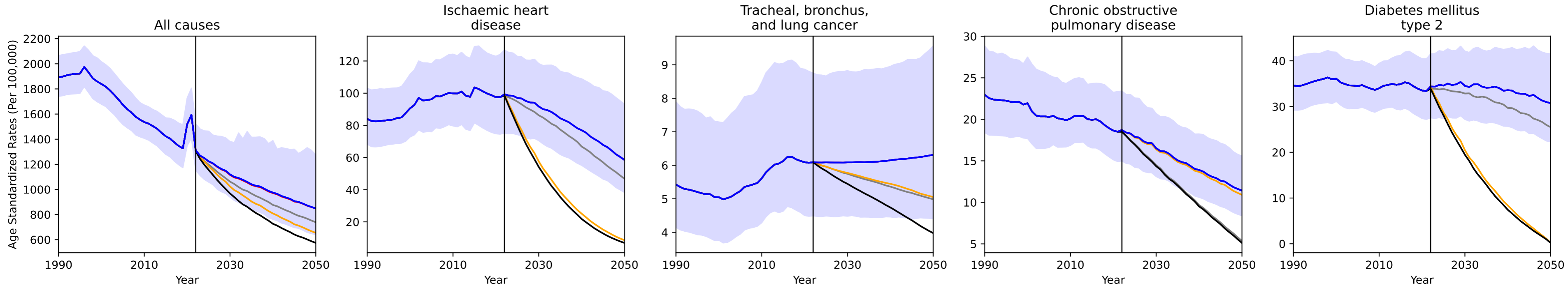
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# Benin



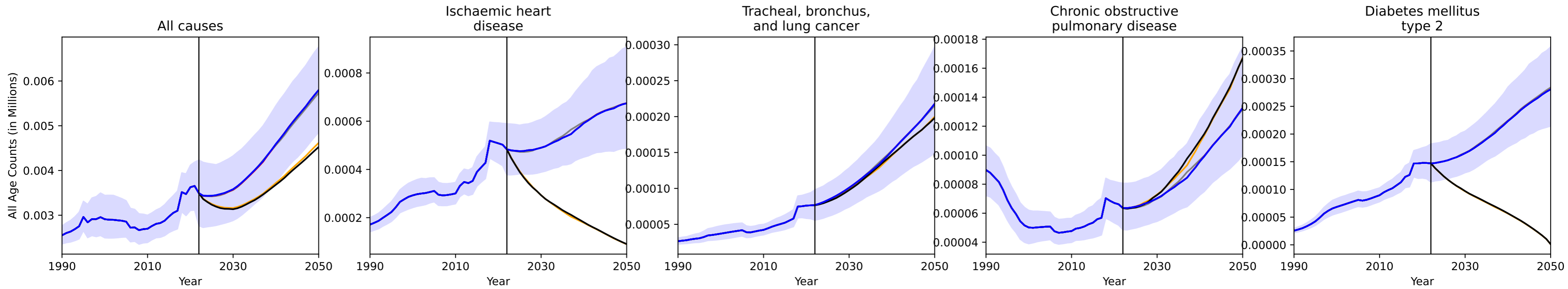
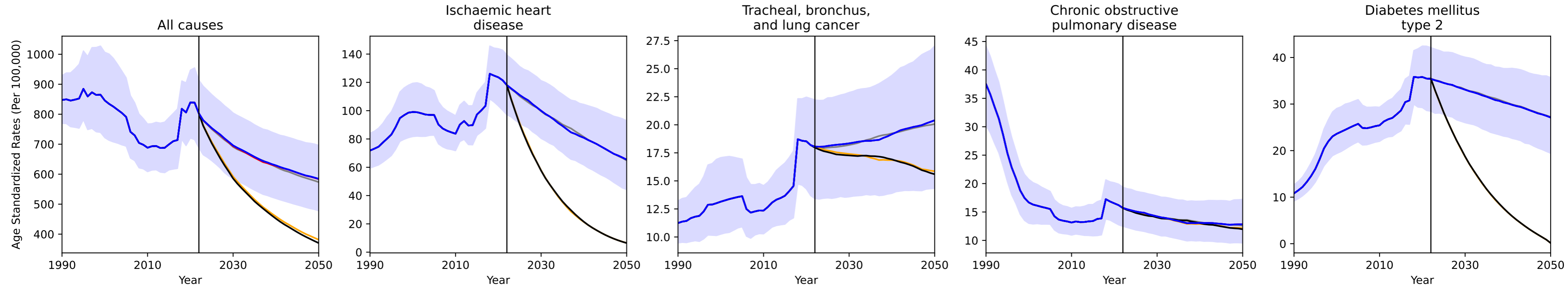


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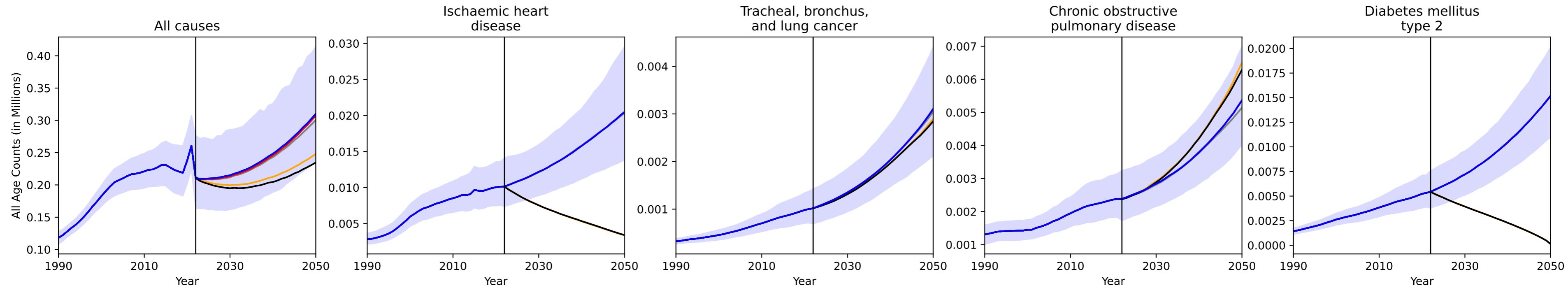
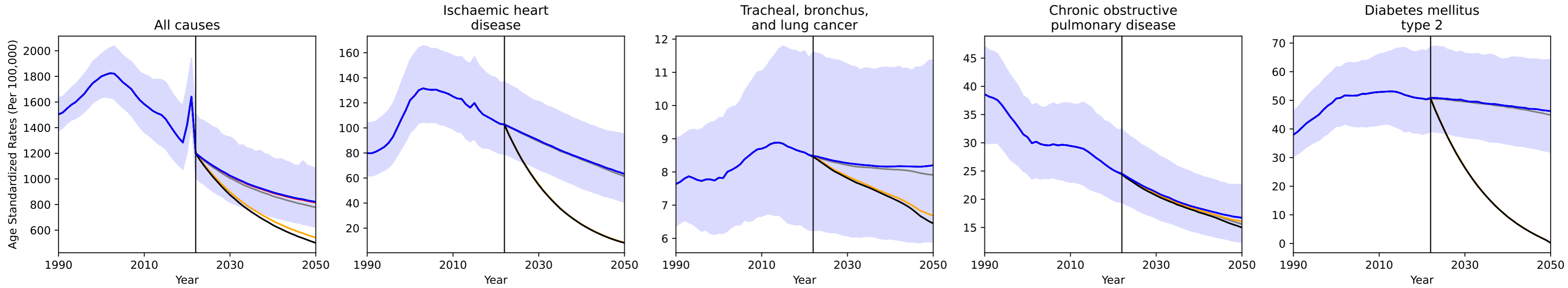


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# Cabo Verde

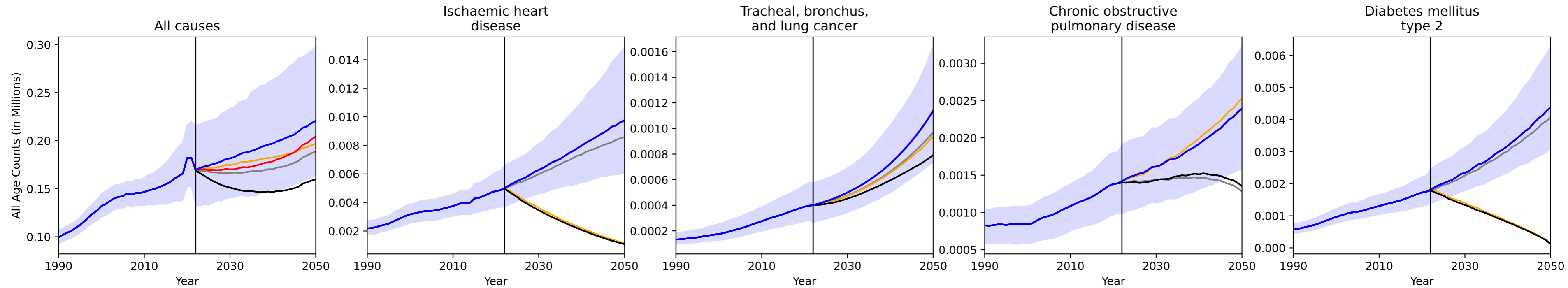
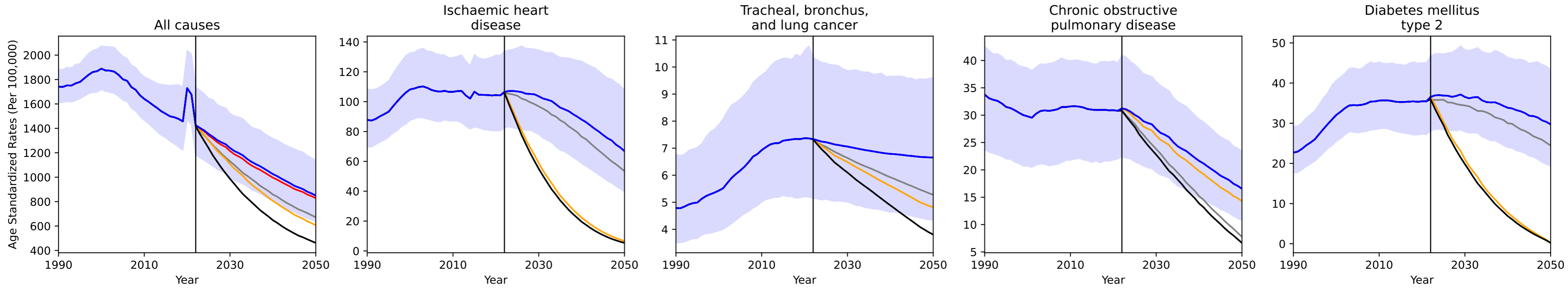


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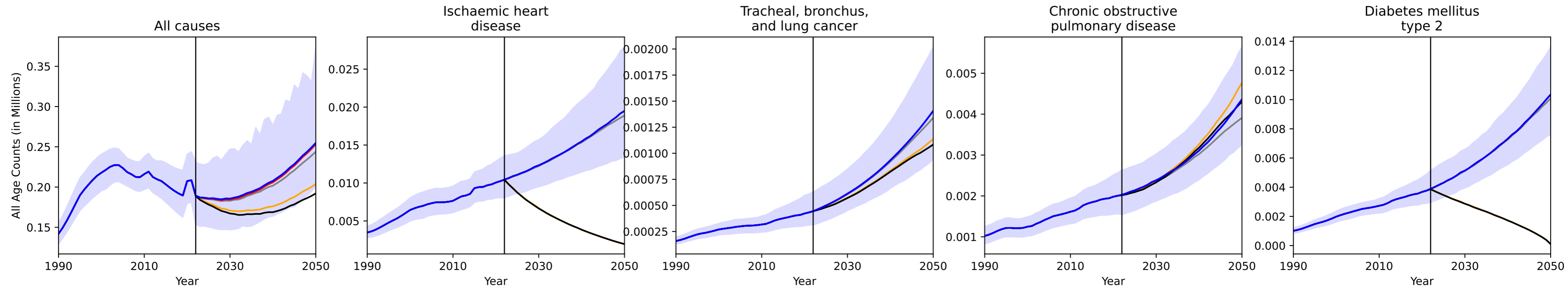
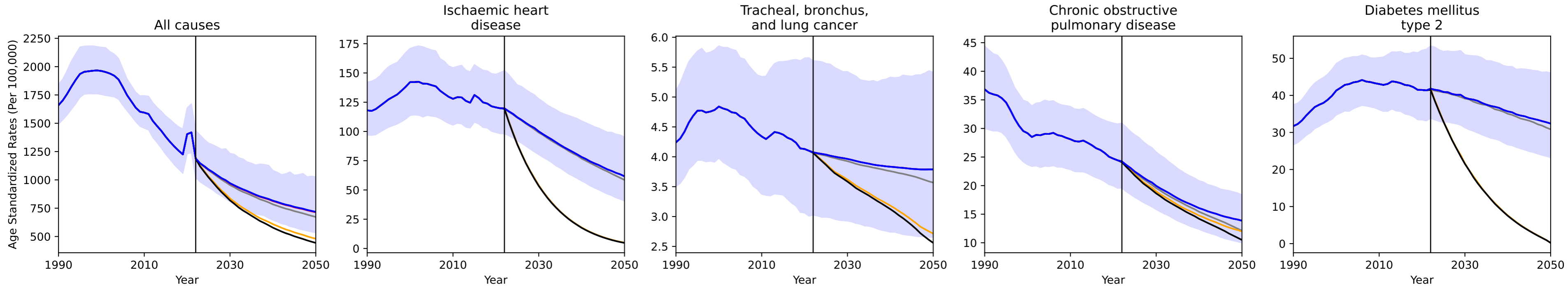
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# Chad



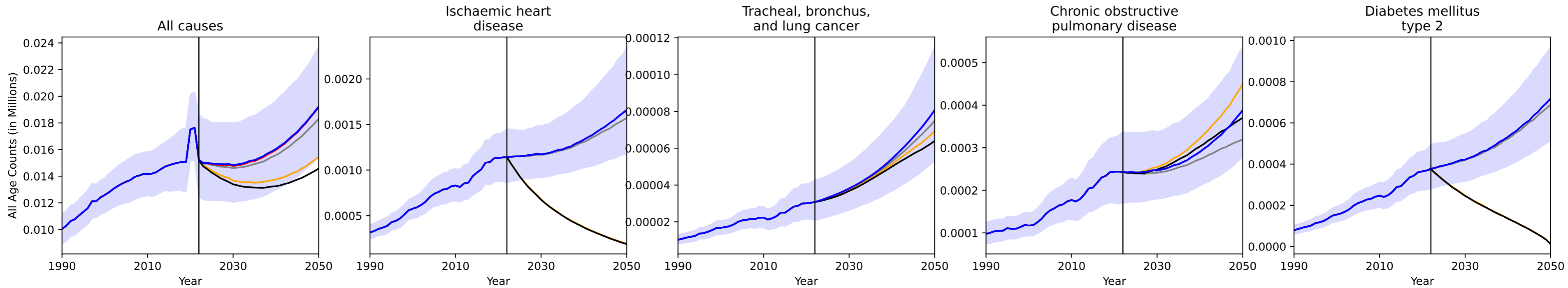
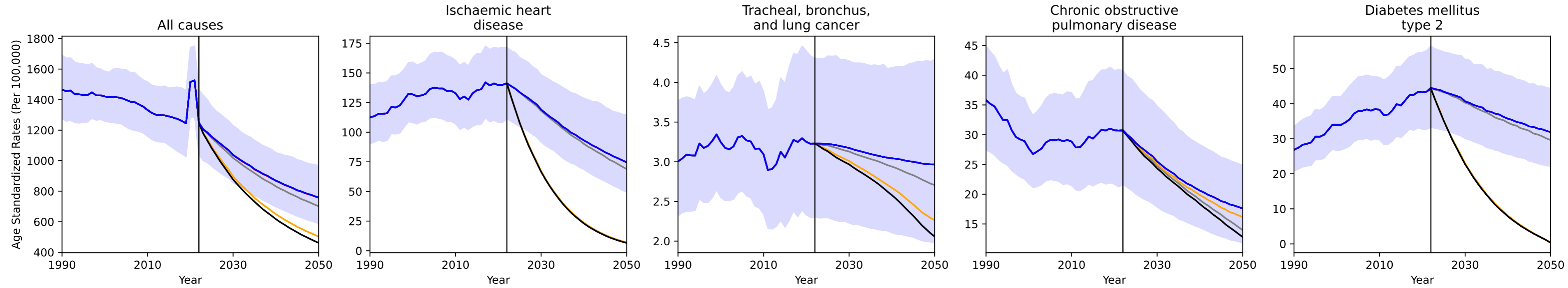
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# Côte D'Ivoire

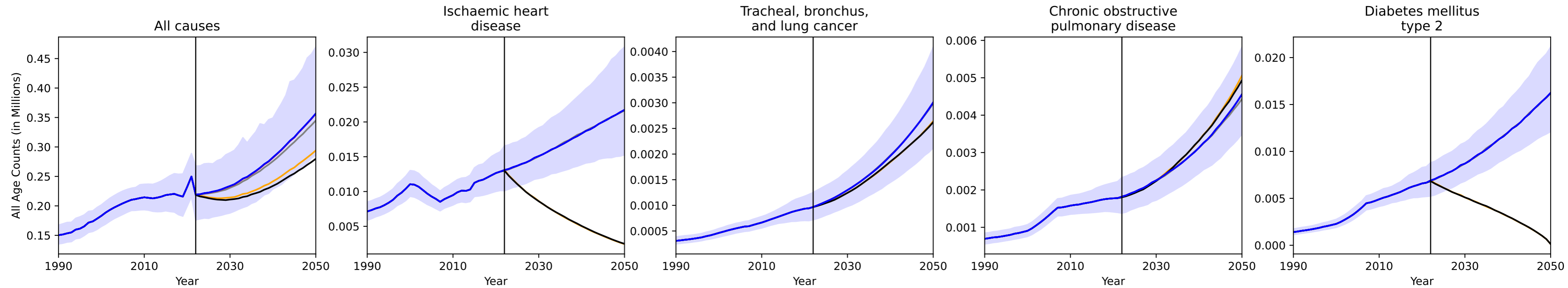
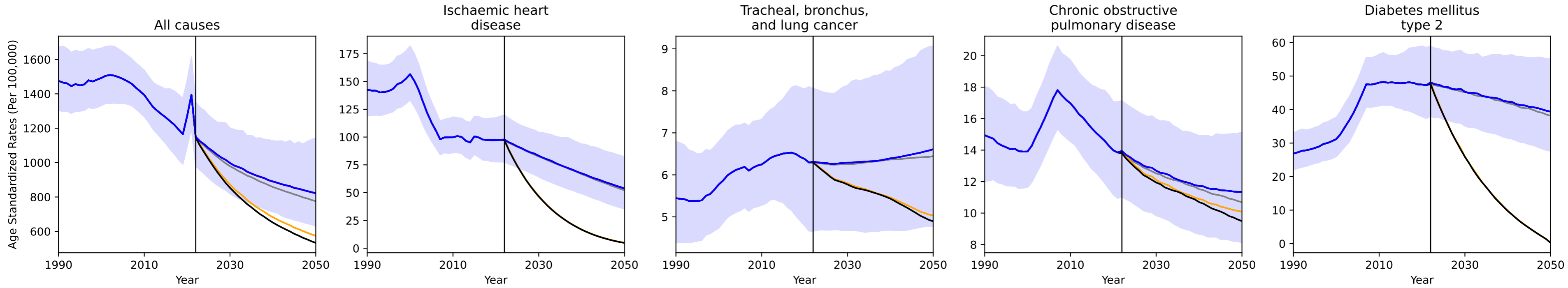


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# The Gambia

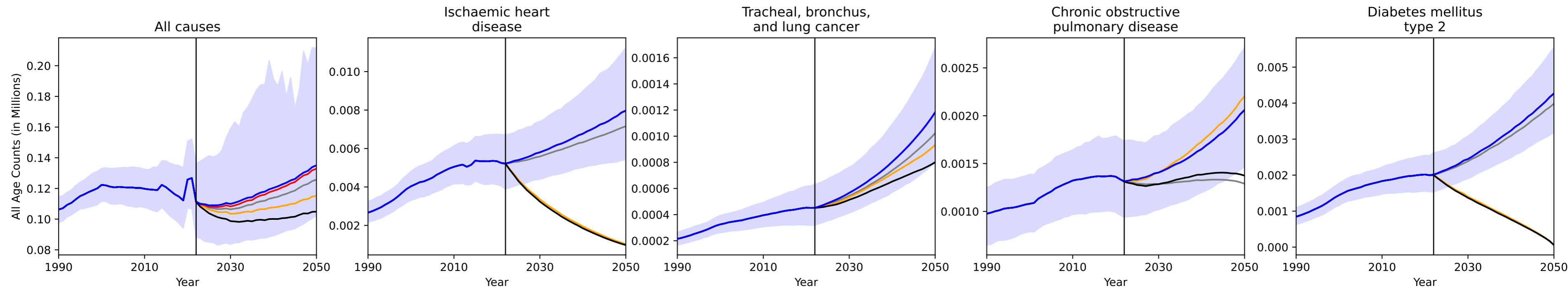
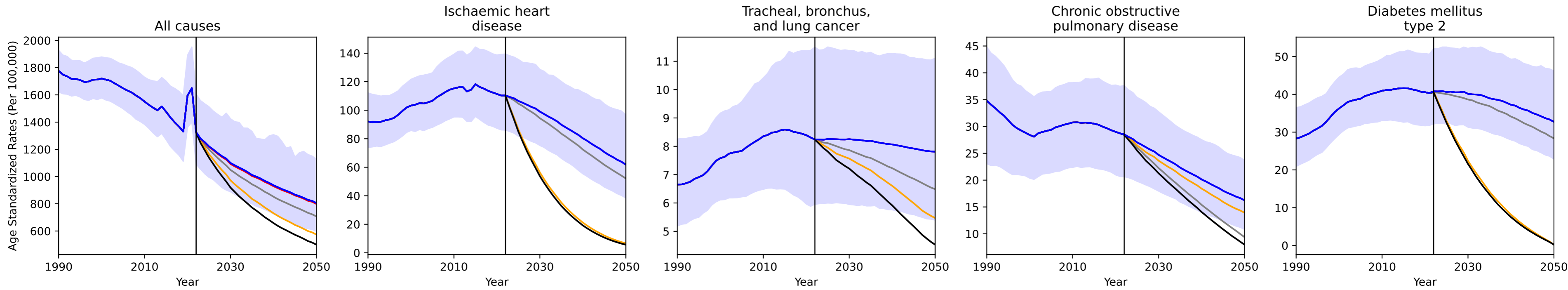


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— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

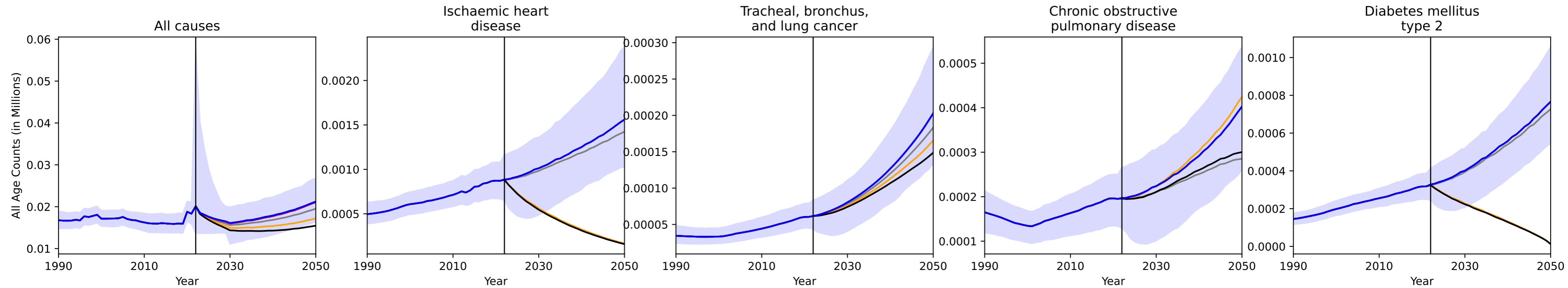
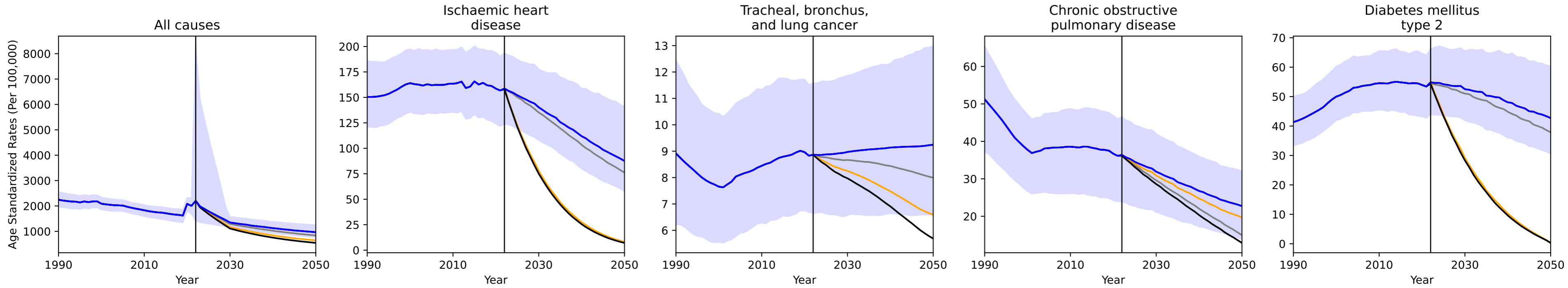
# Guinea





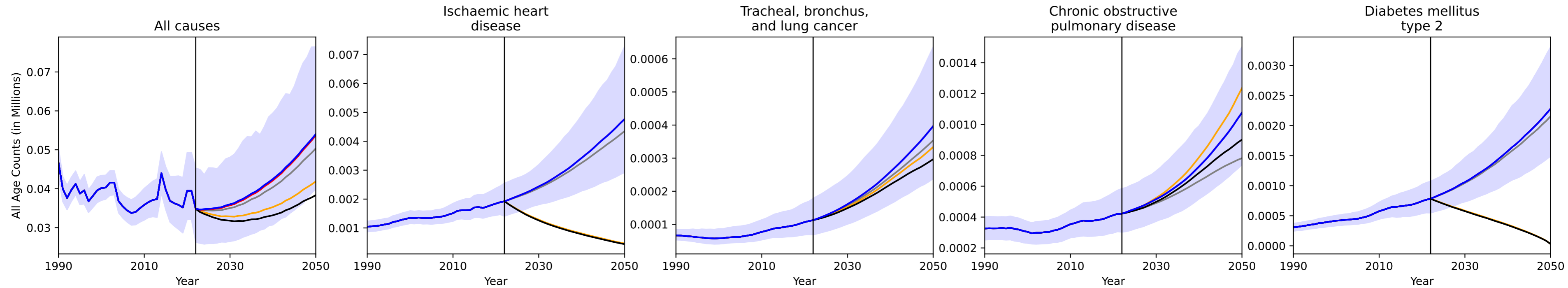
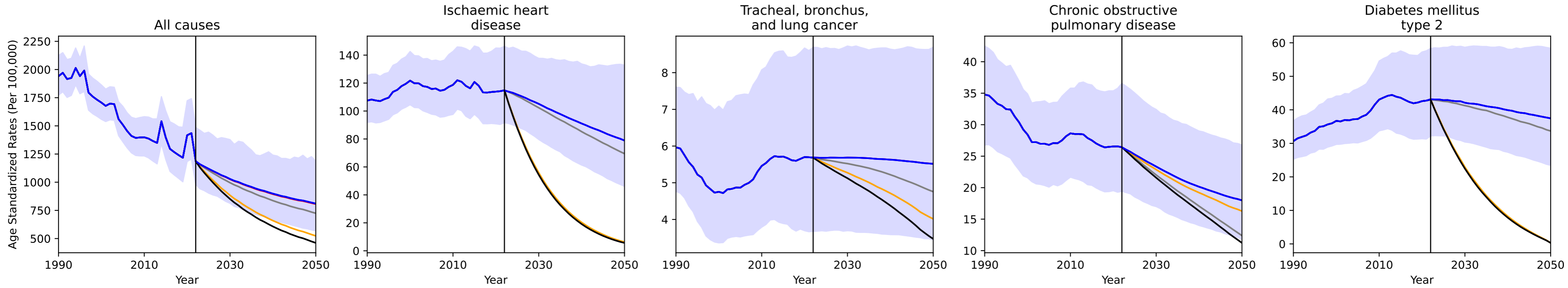
# Guinea-Bissau

Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



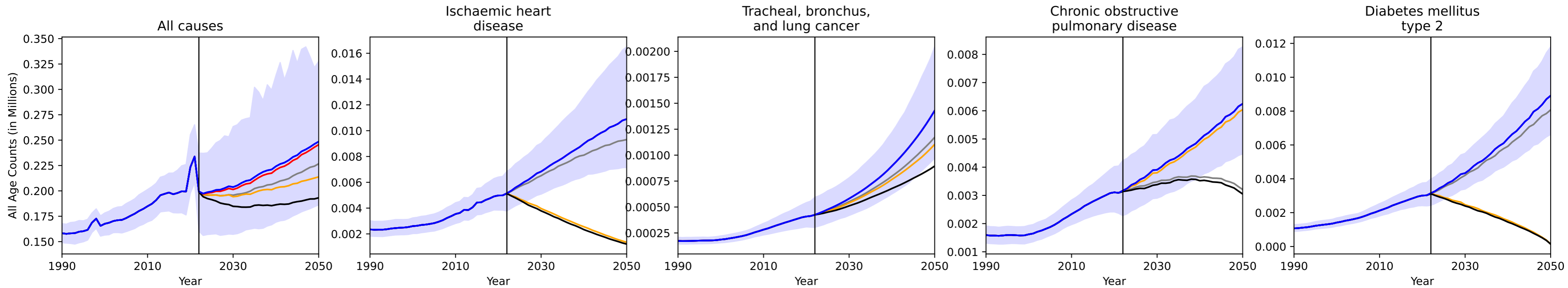
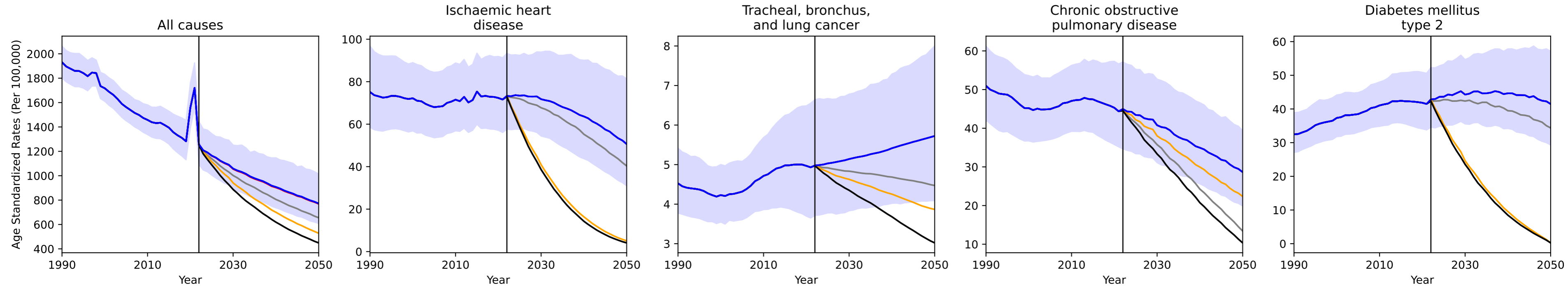
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# Liberia

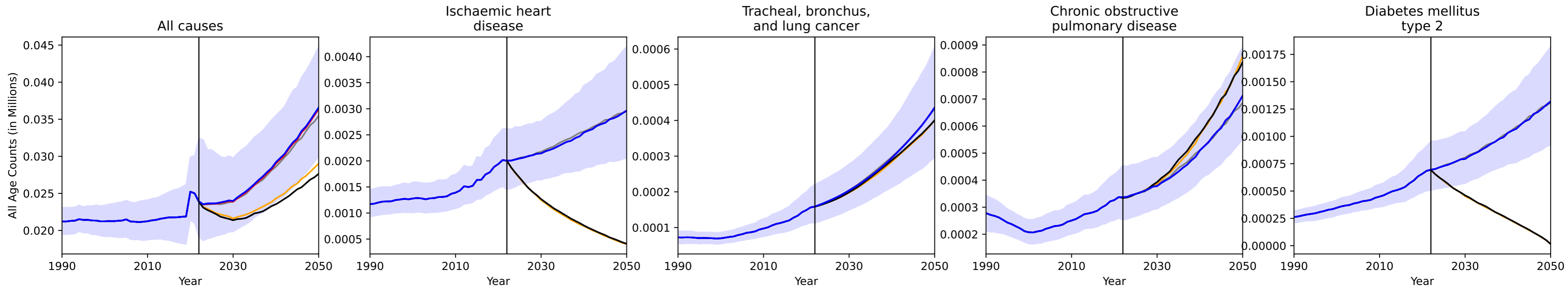
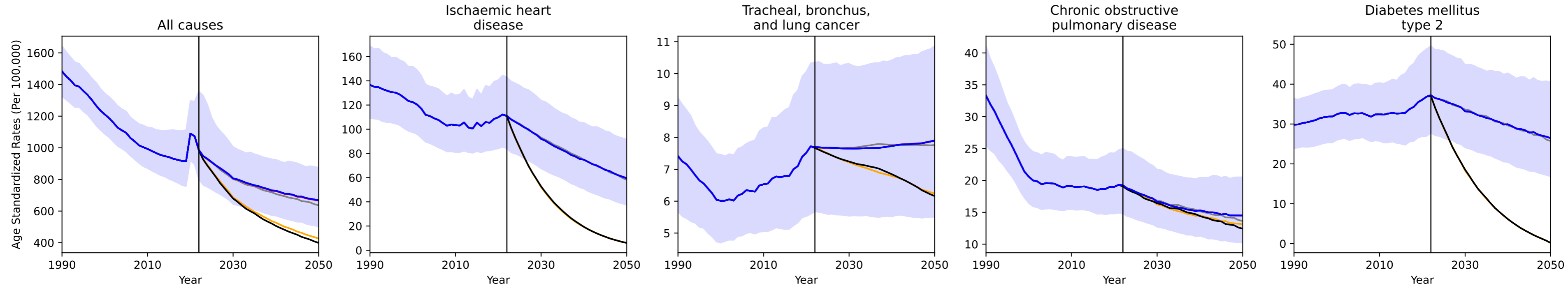


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# Mali

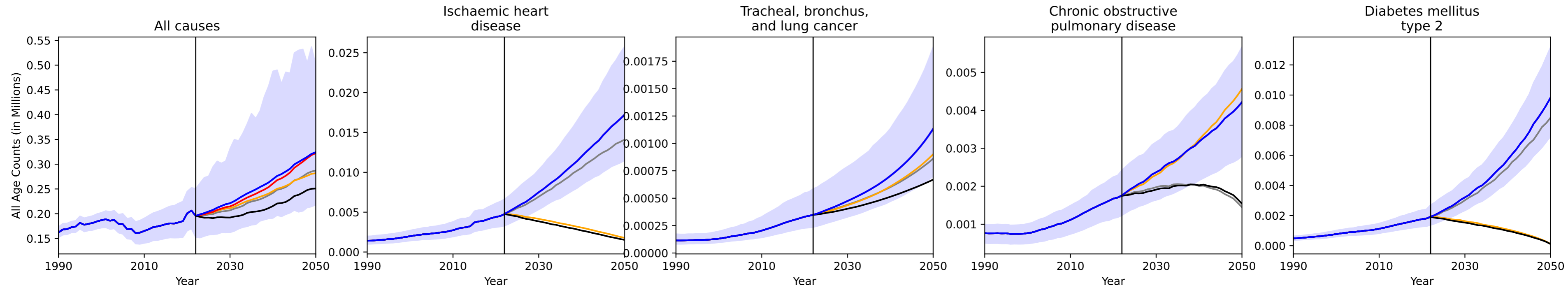
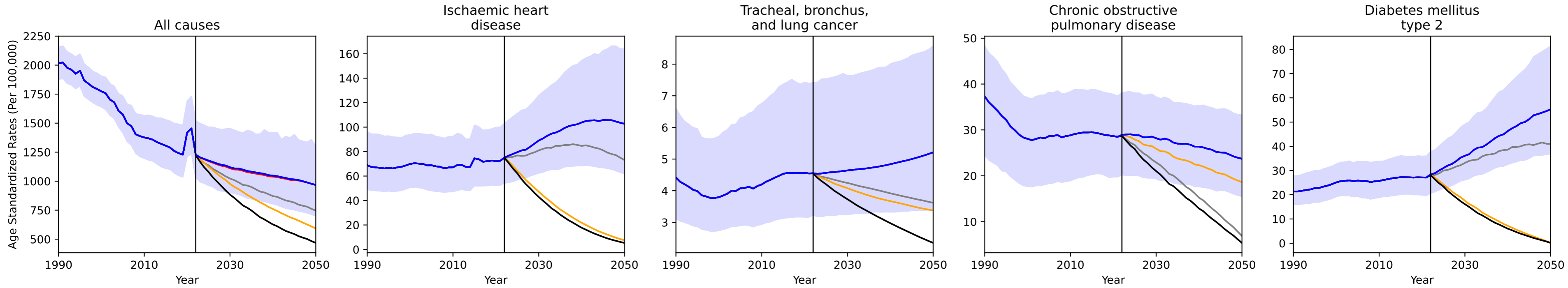


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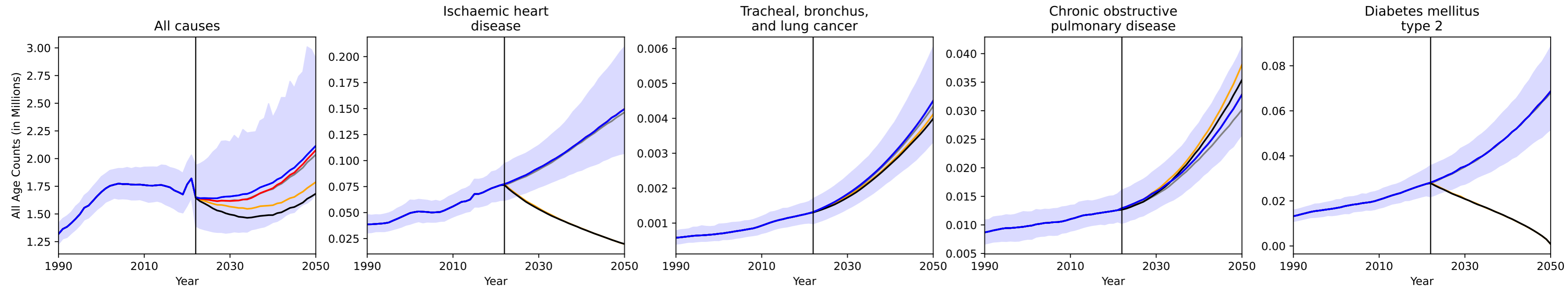
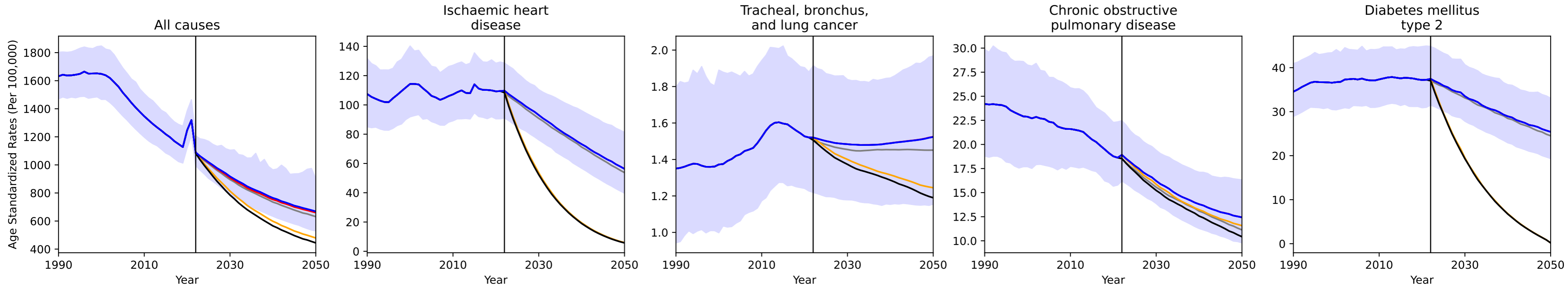
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# Niger



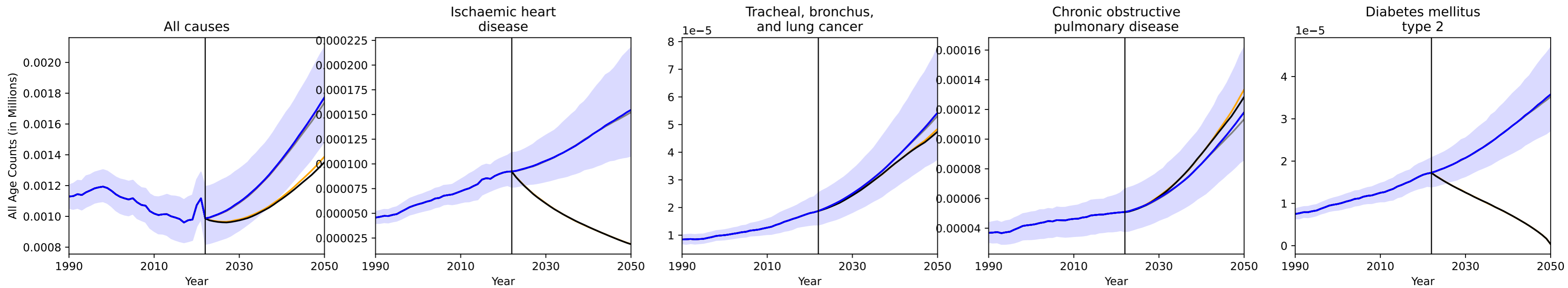
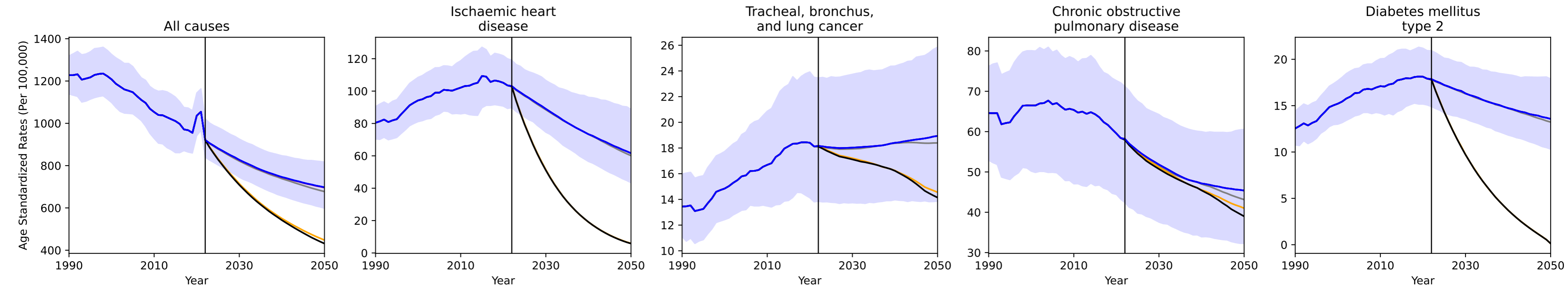
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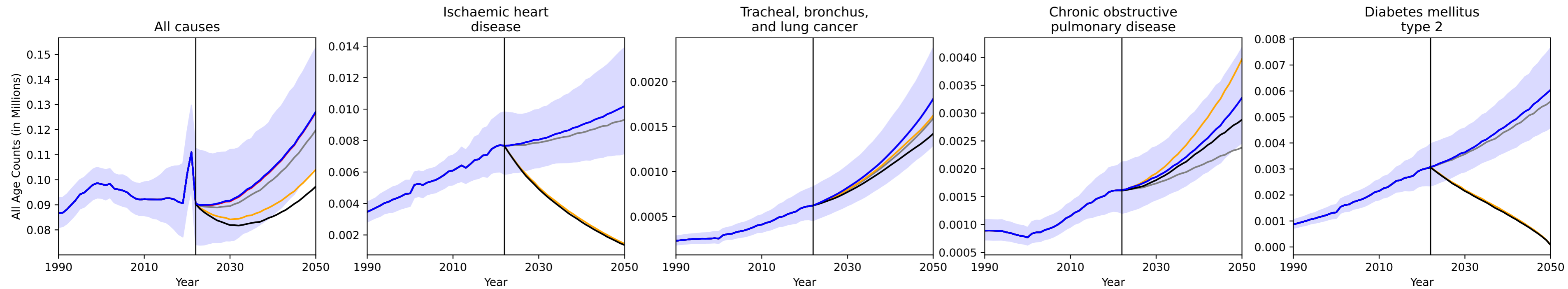
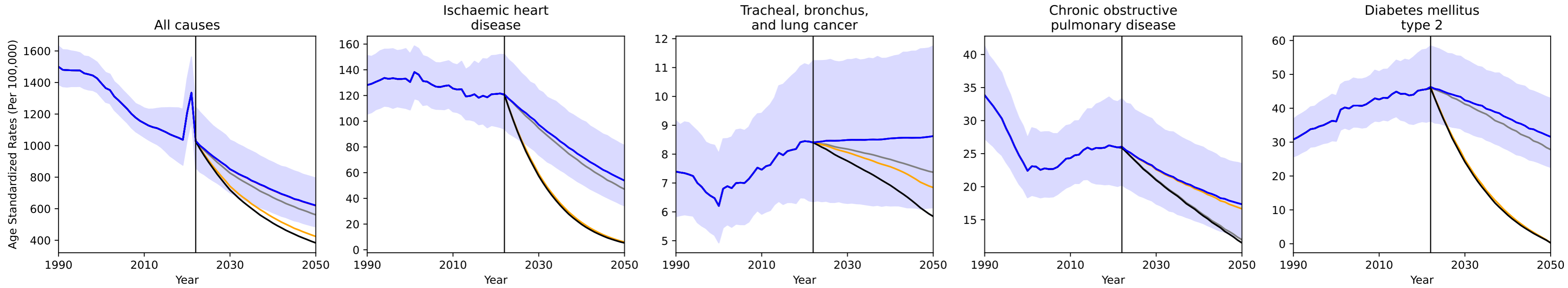


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# São Tomé And Príncipe



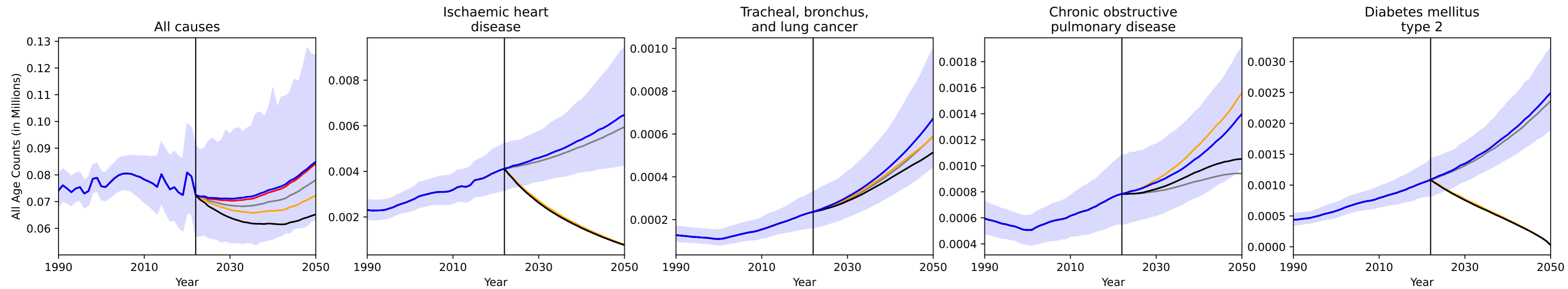
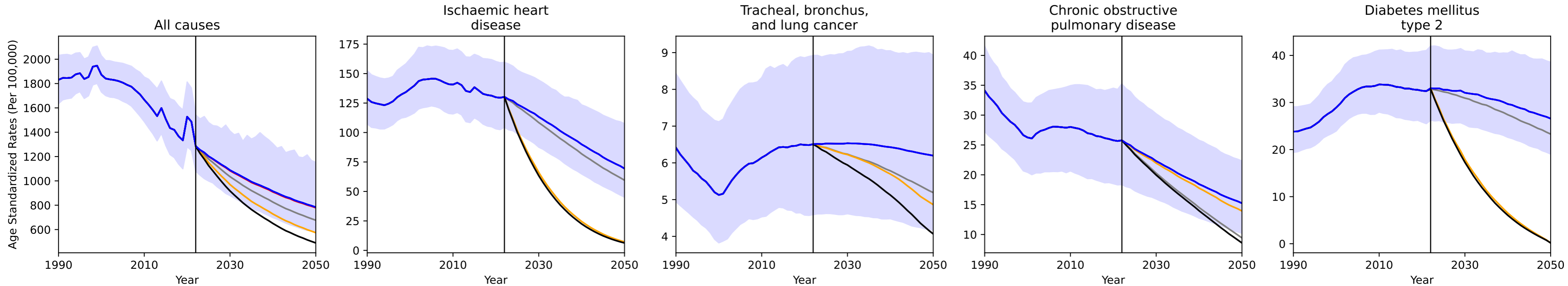
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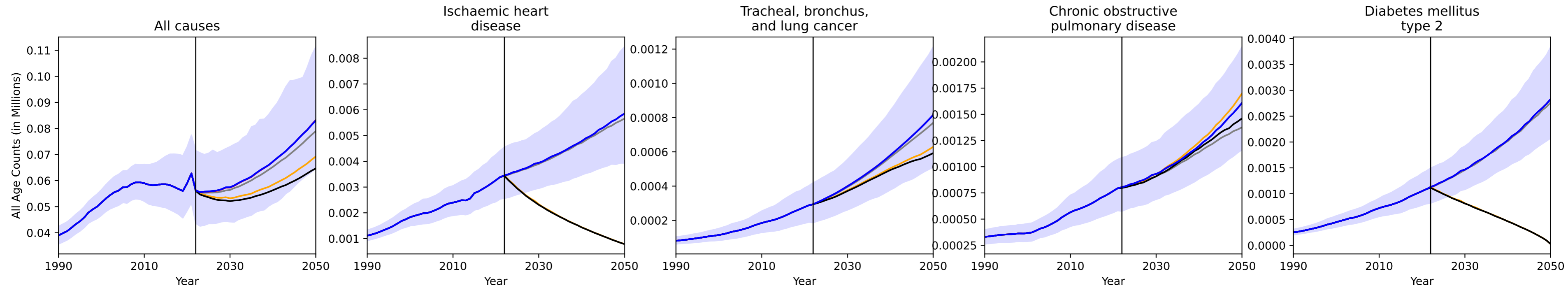
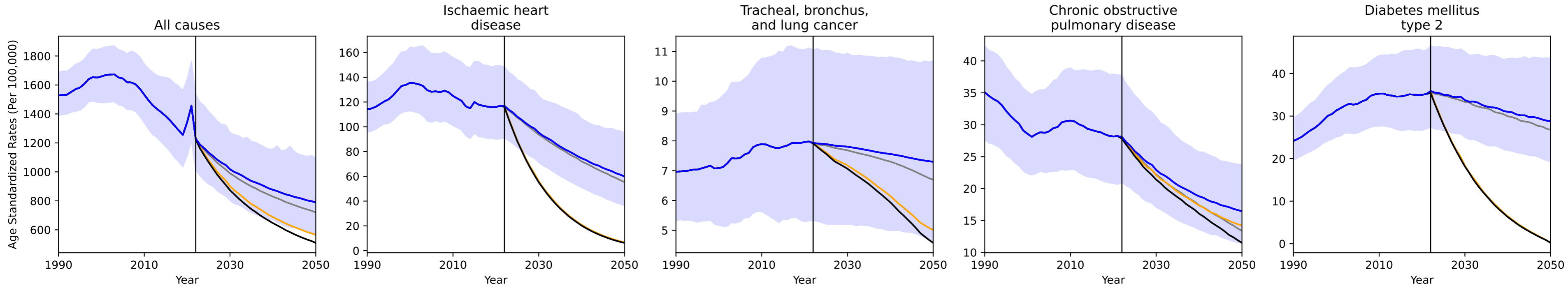
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# Sierra Leone

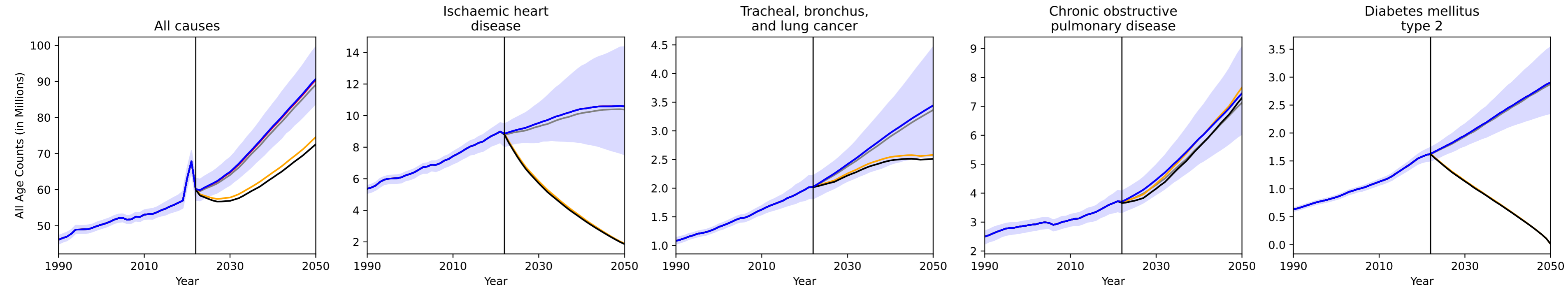
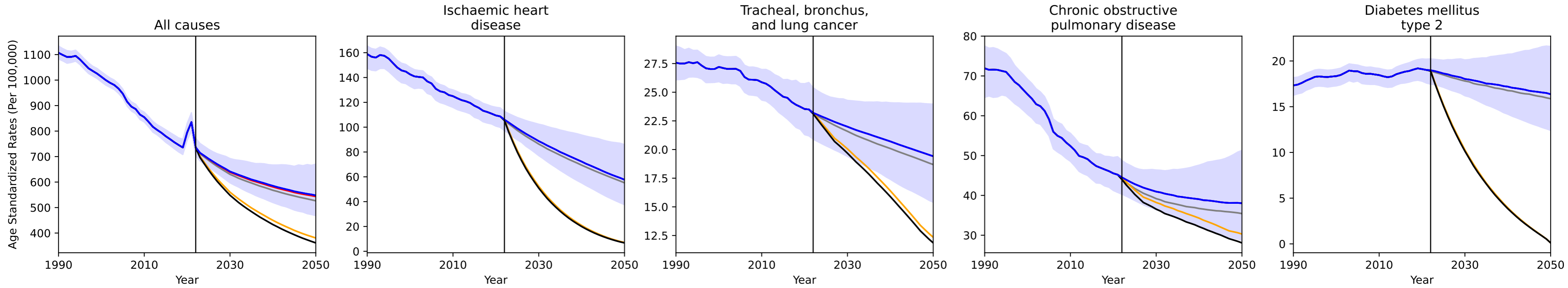


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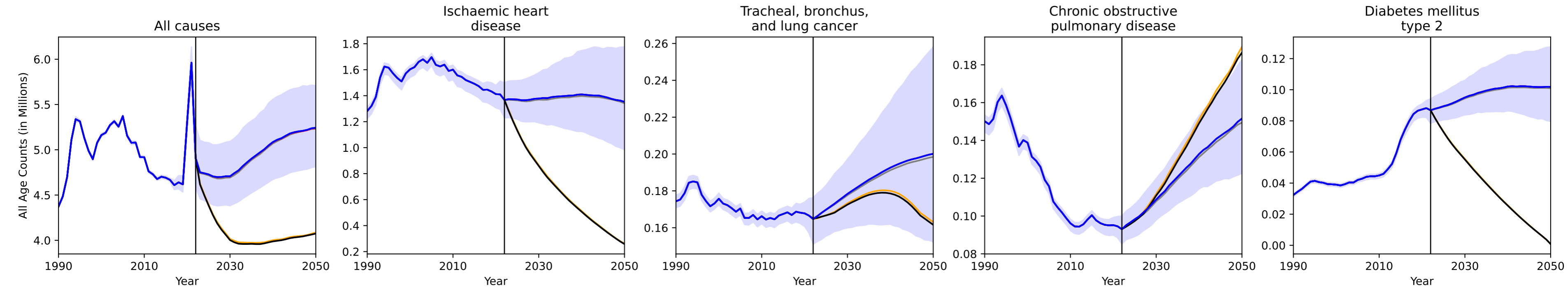
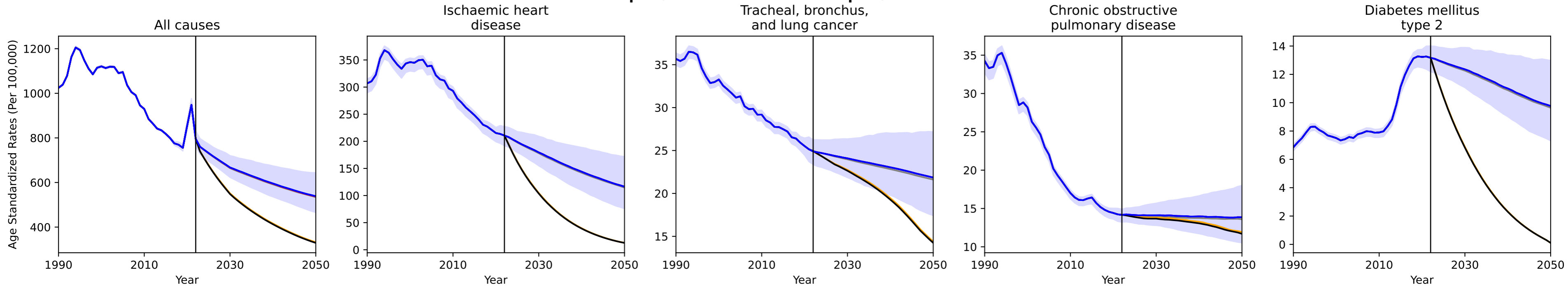
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# Global



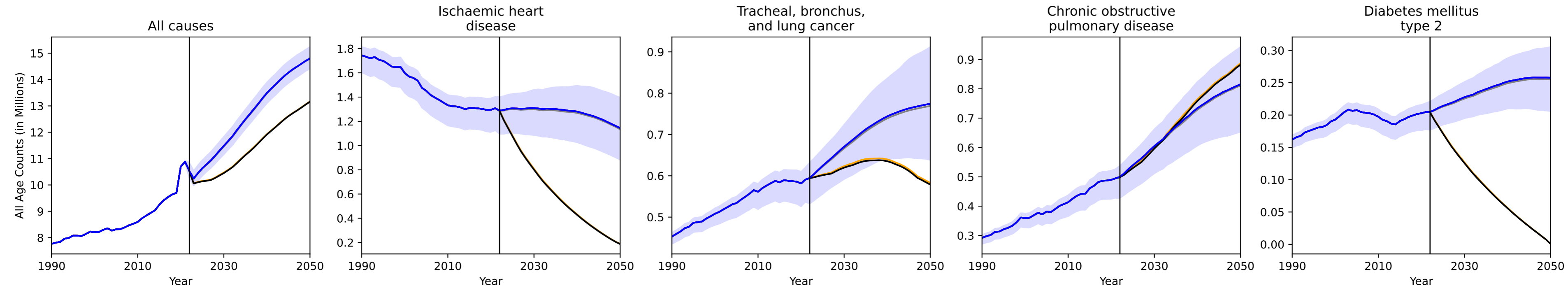
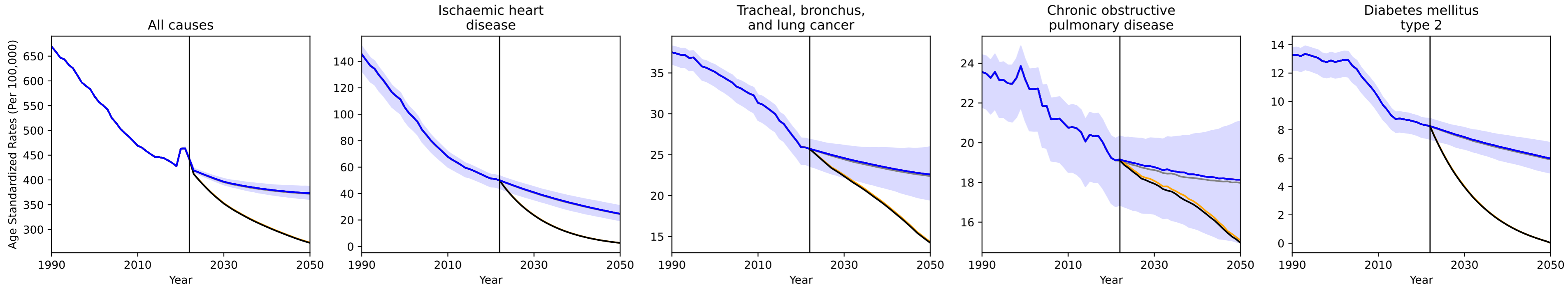
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# Central Europe, Eastern Europe, And Central Asia



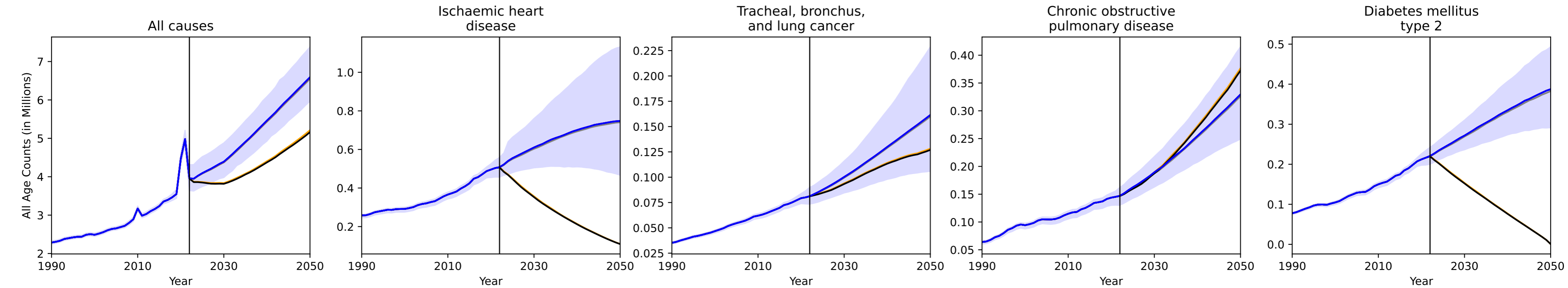
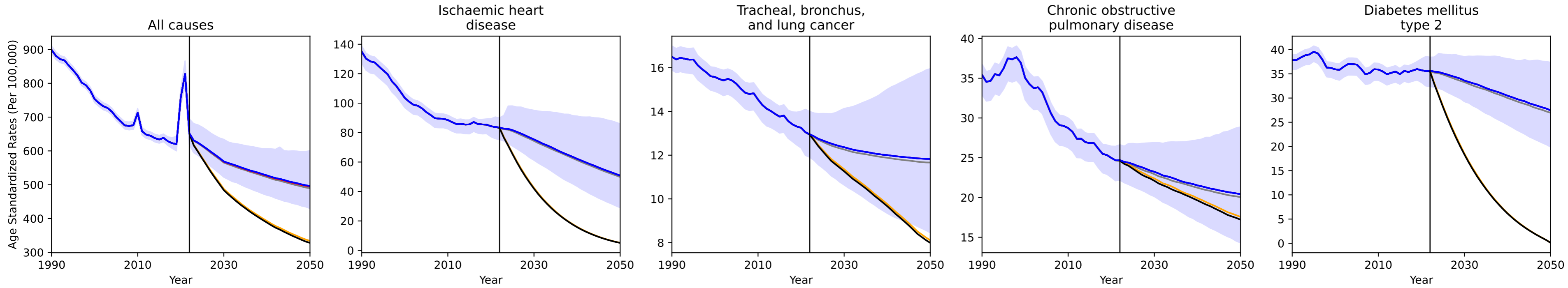
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# High Income

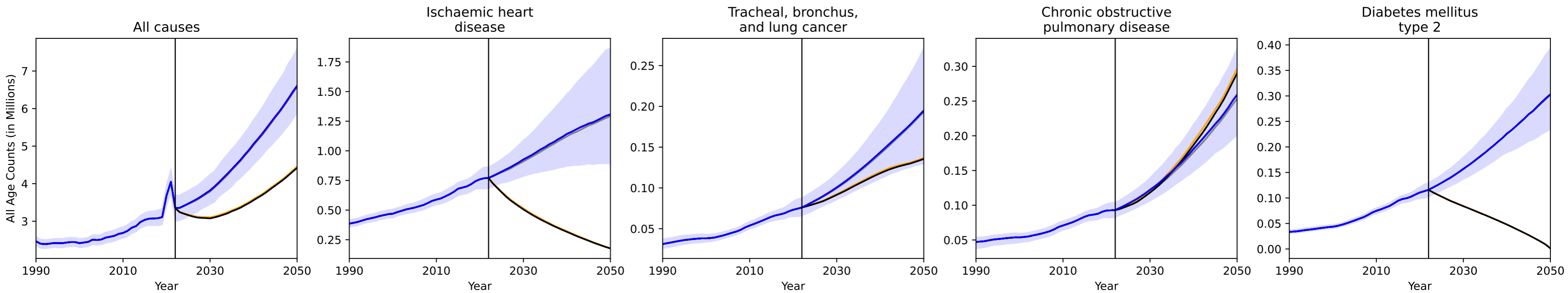
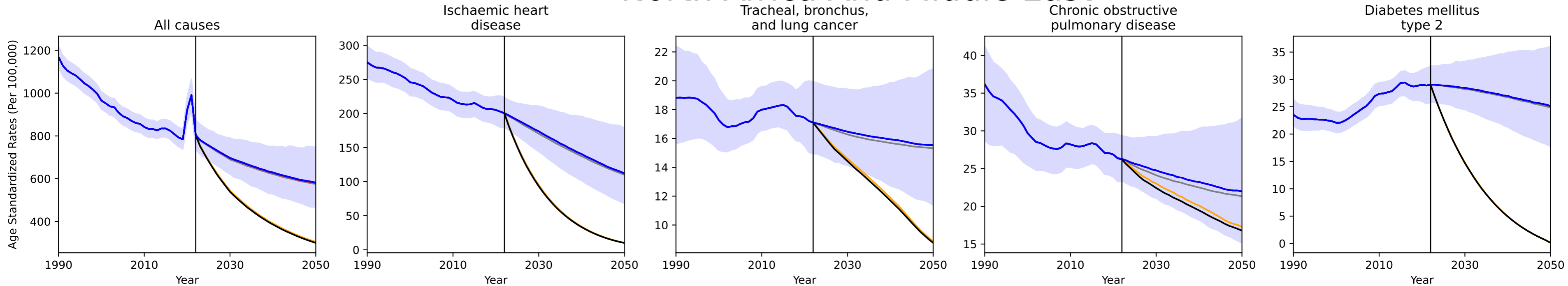


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# Latin America And Caribbean

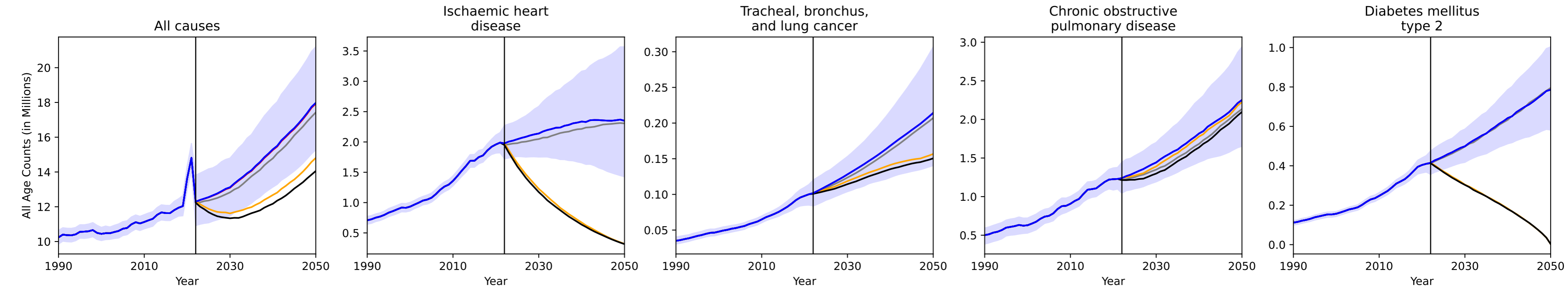
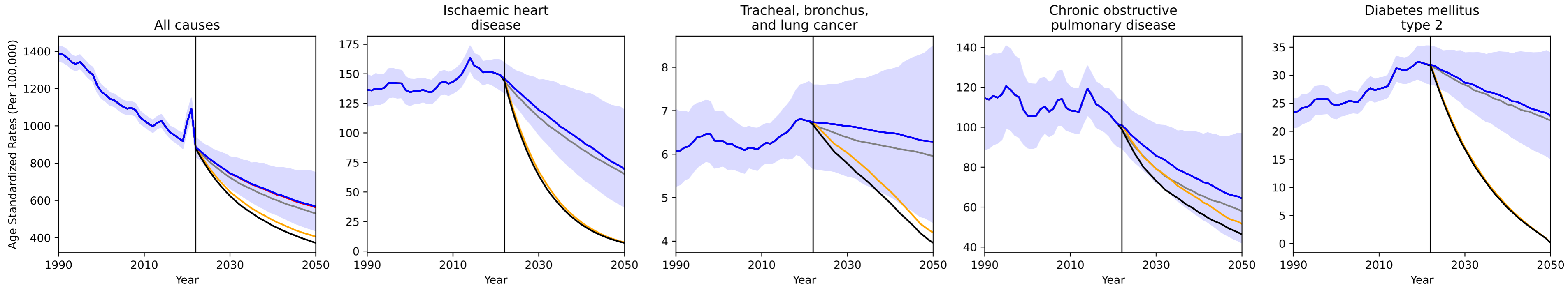


# North Africa And Middle East



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

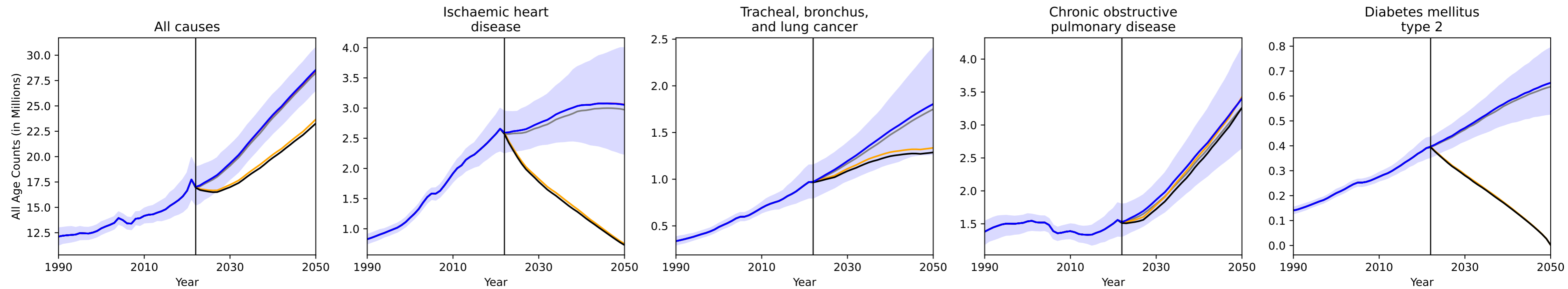
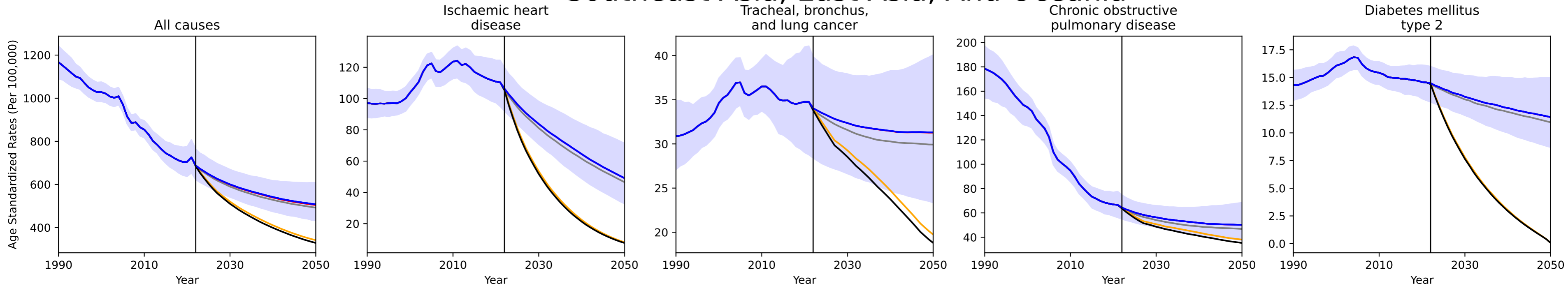
# South Asia



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference



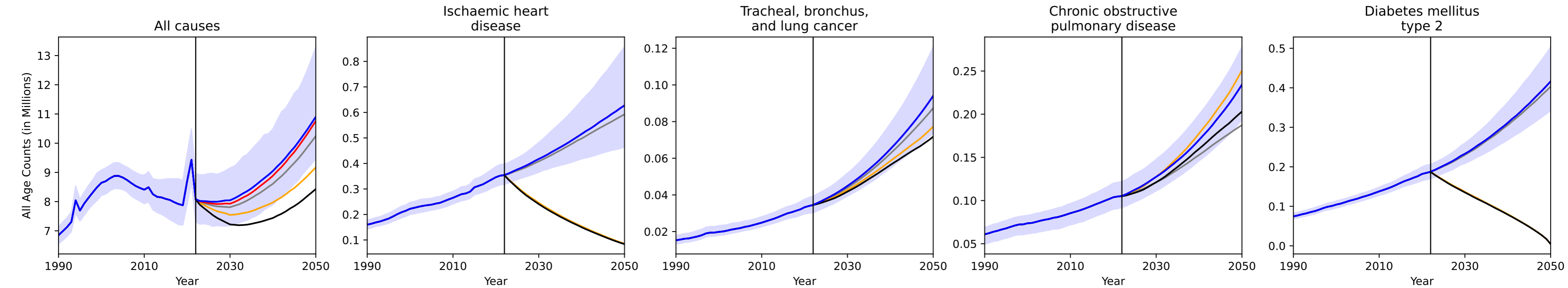
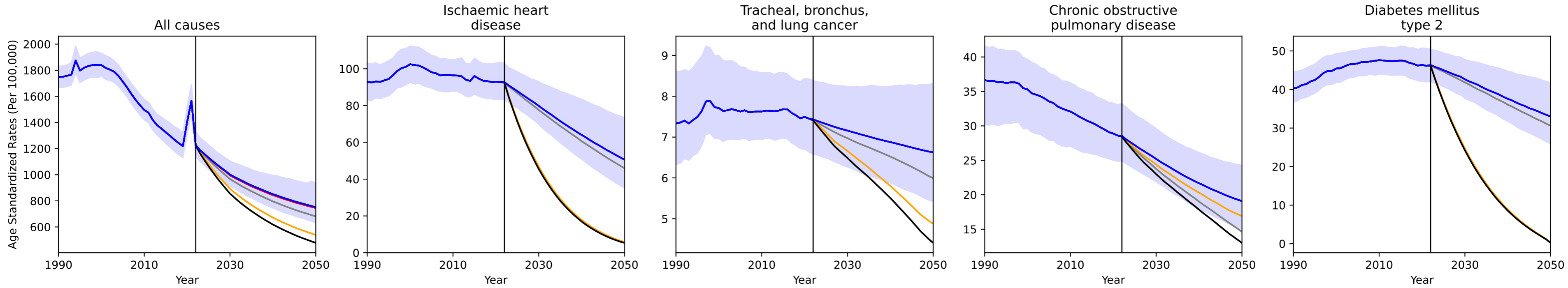
# Southeast Asia, East Asia, And Oceania



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

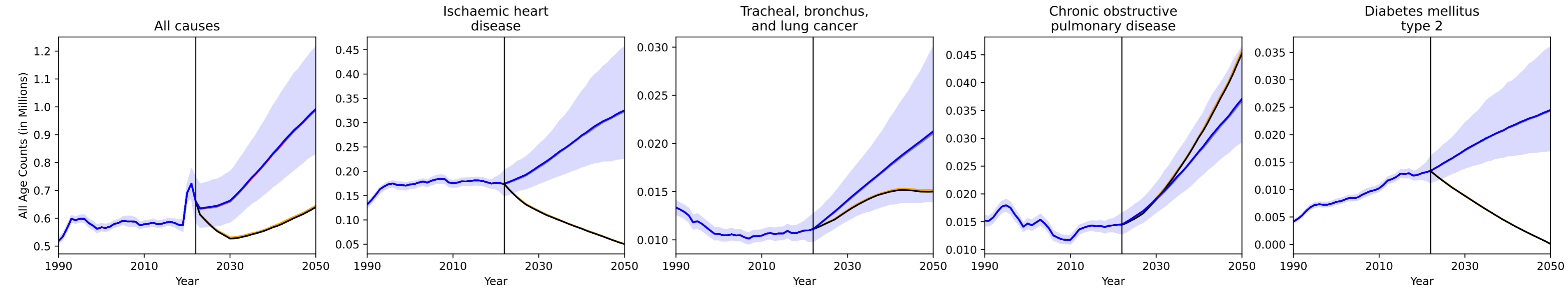
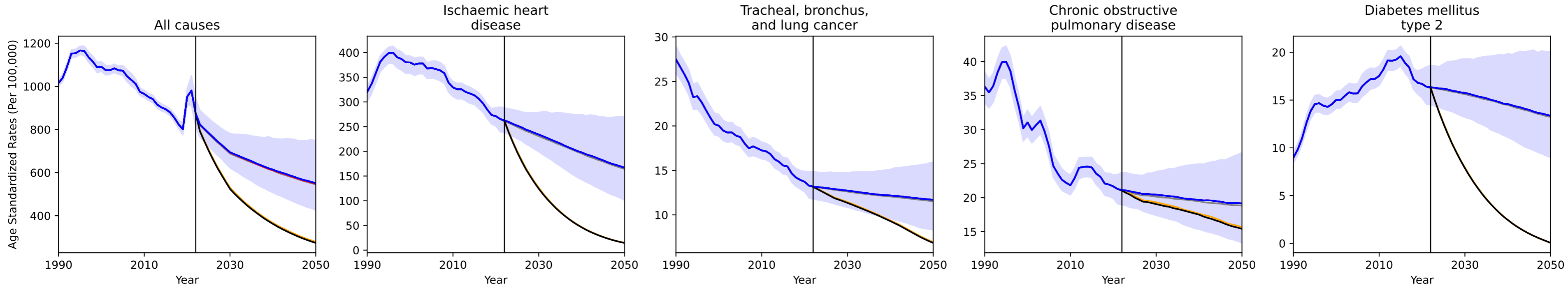
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Supplemental Results Figure S13. All cause and top NCD causes age standardized death rates and all age counts by scenario and location, 1990-2050



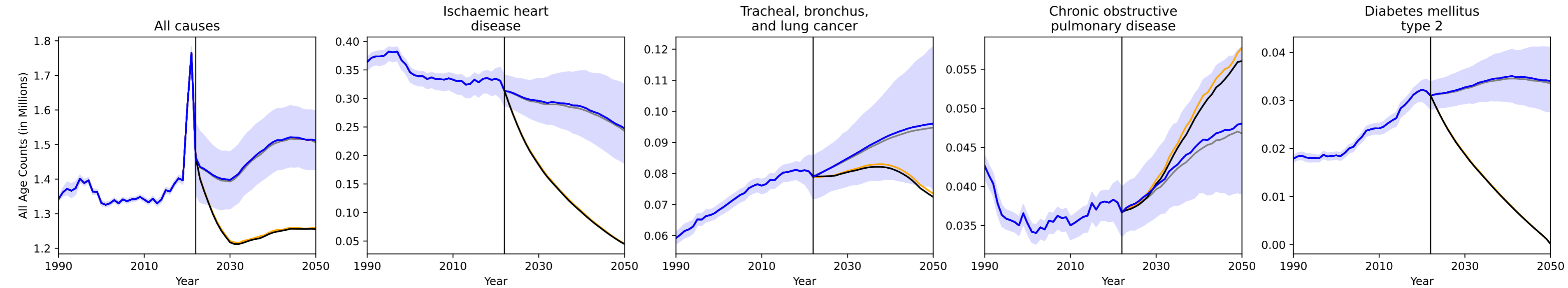
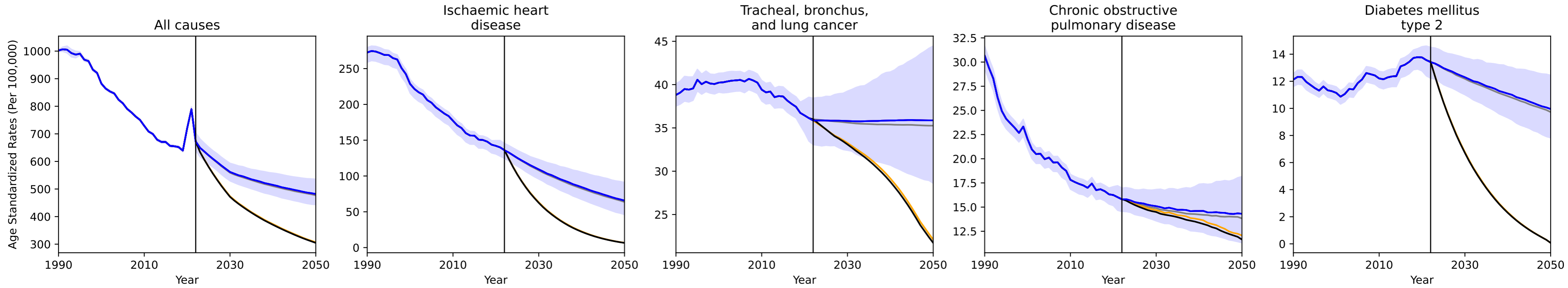
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# Central Asia



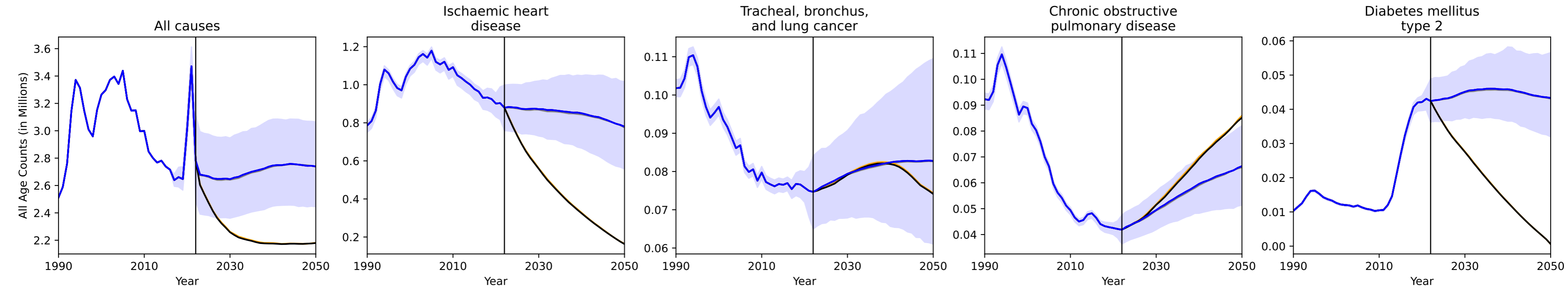
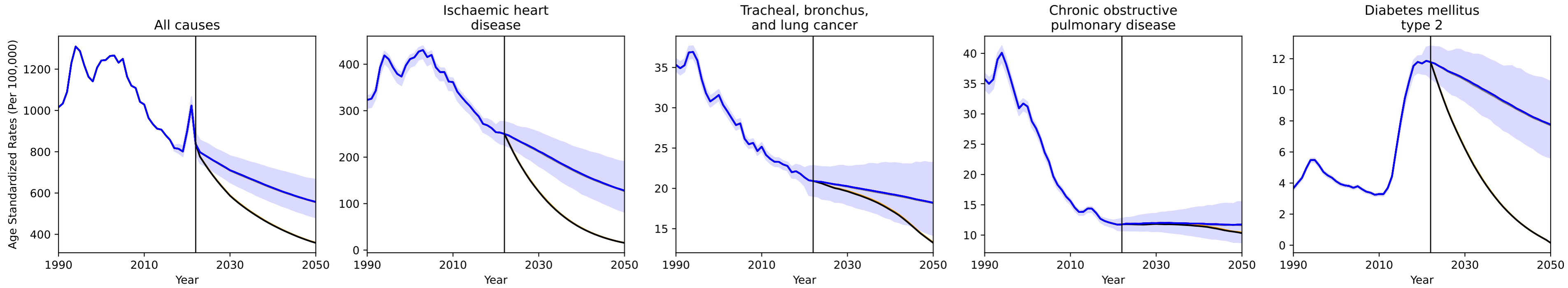
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# Central Europe



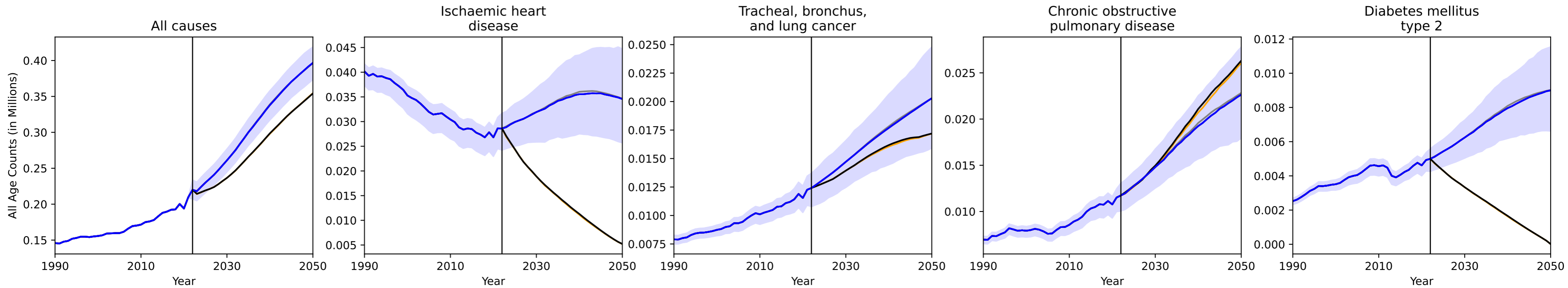
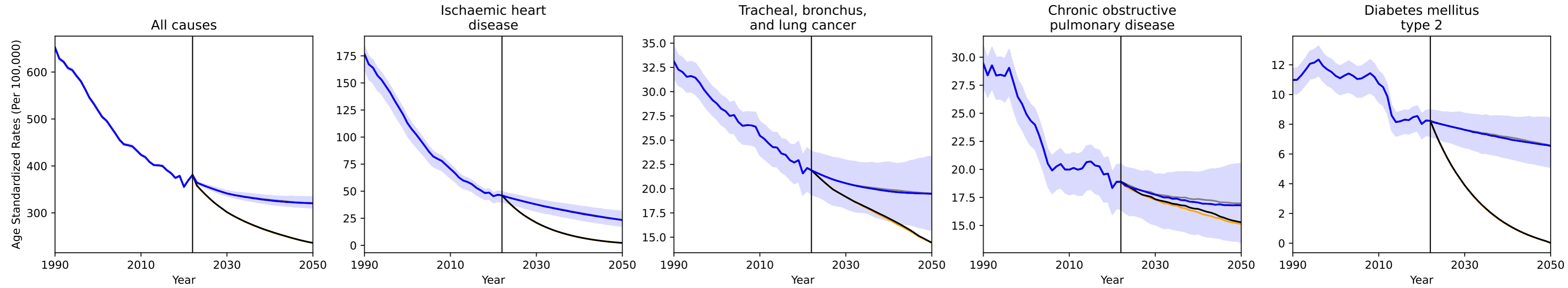
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# Eastern Europe

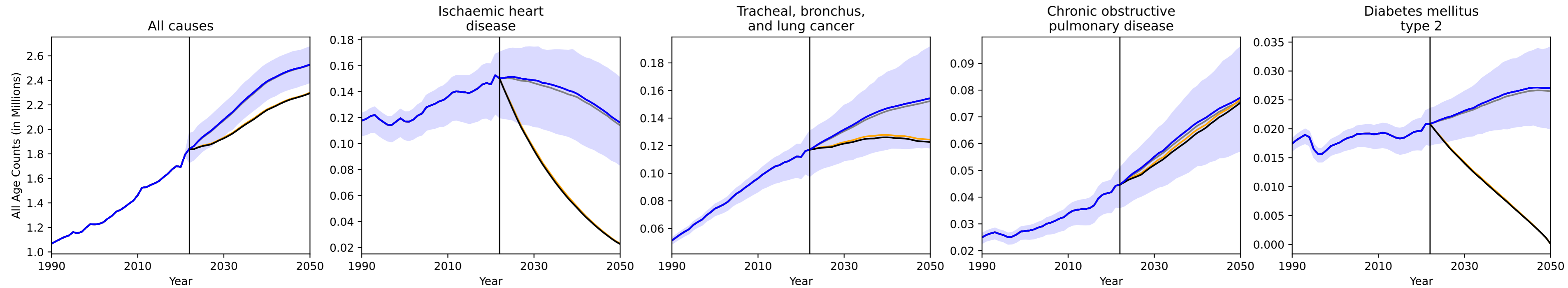
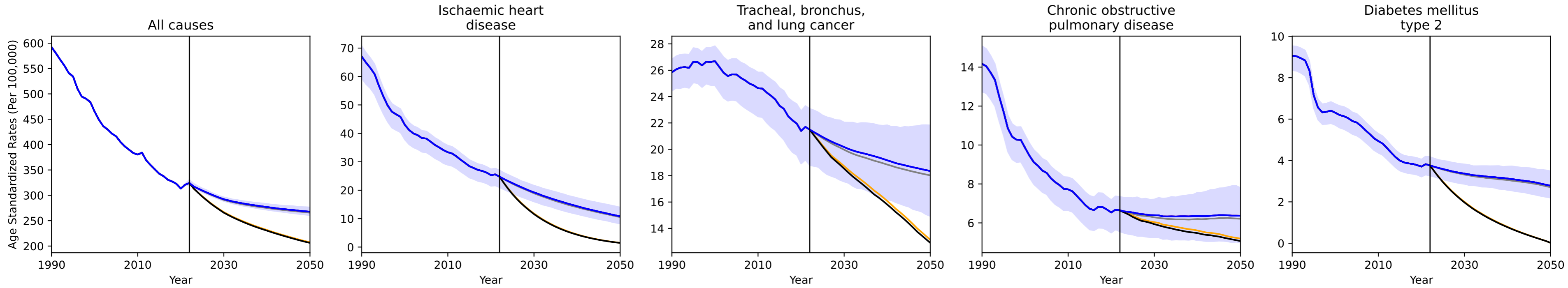


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# Australasia

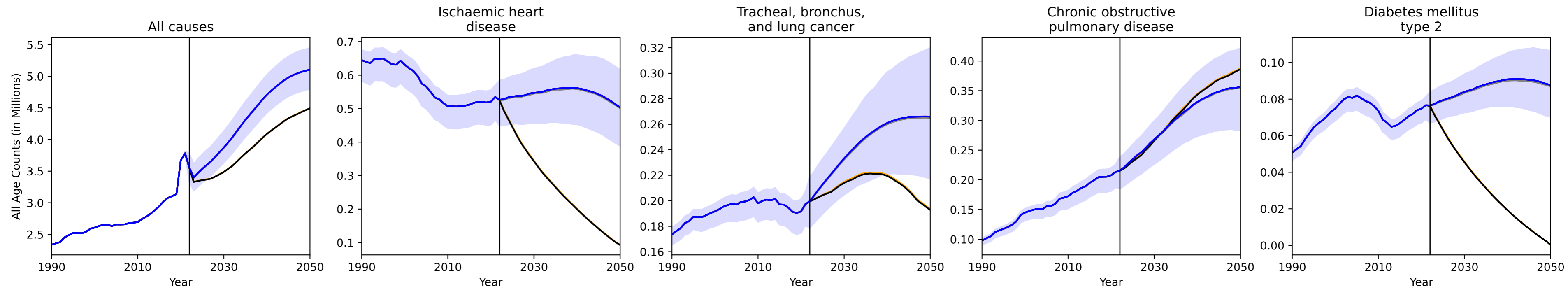
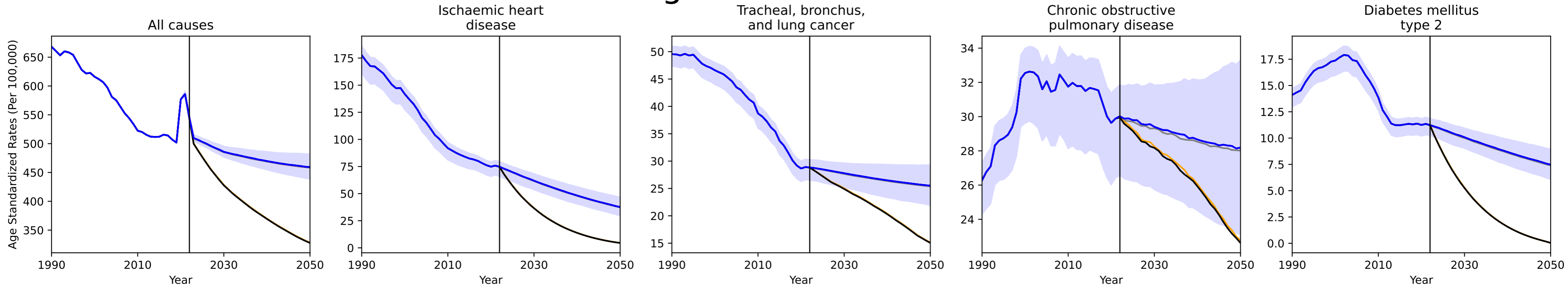


# High-Income Asia Pacific



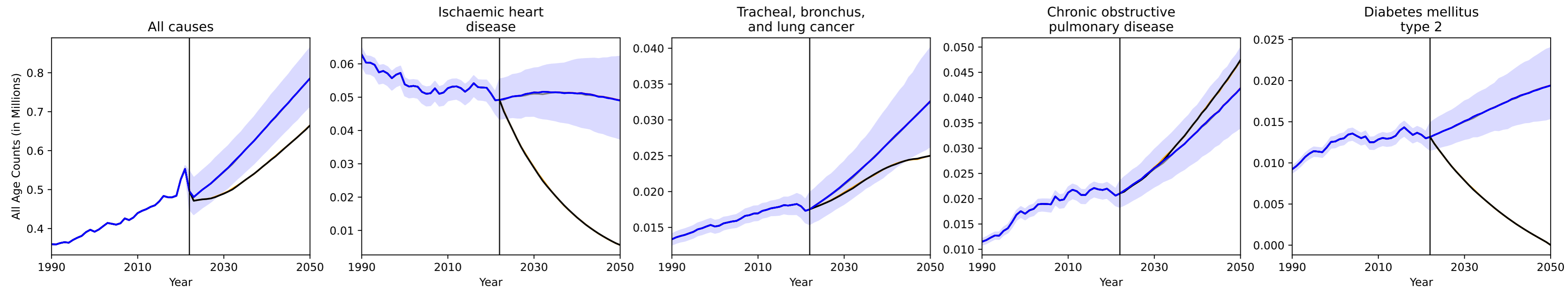
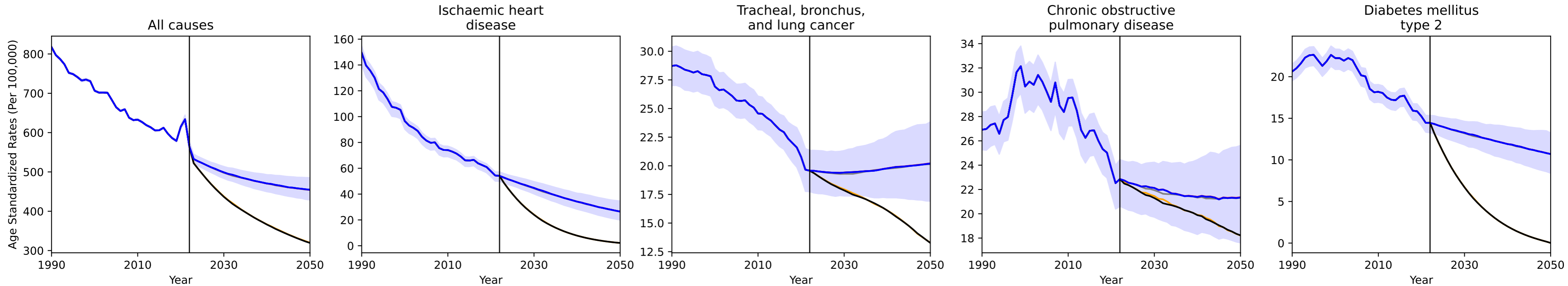
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# High-Income North America

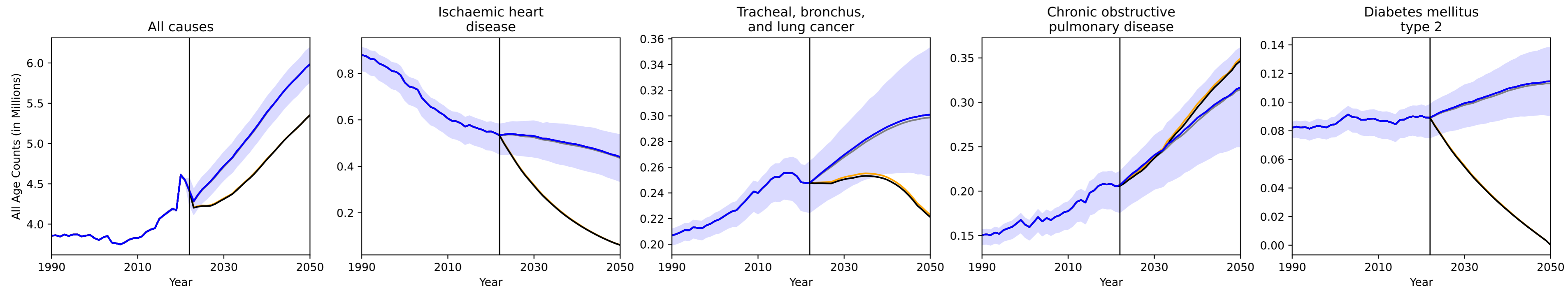
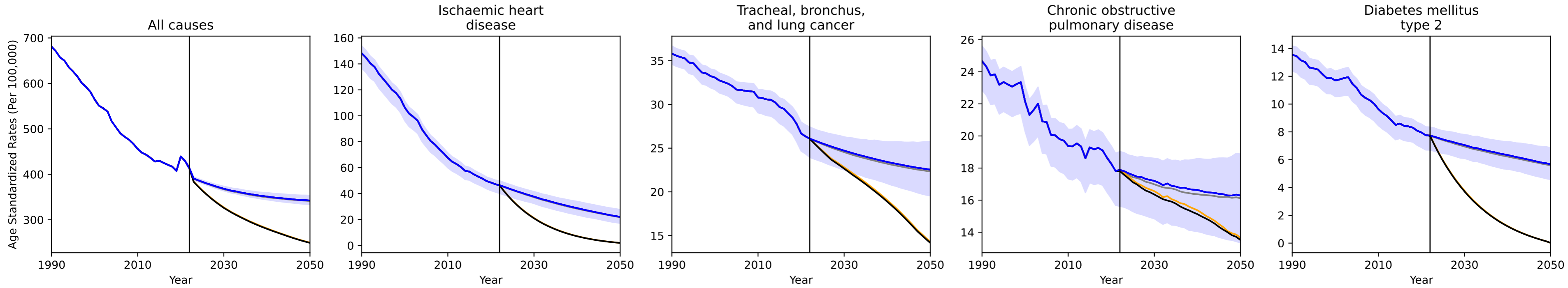




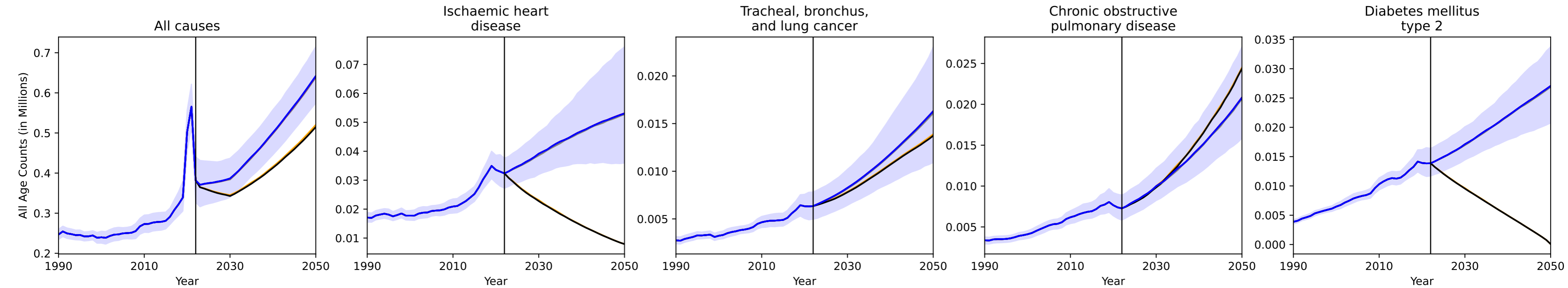
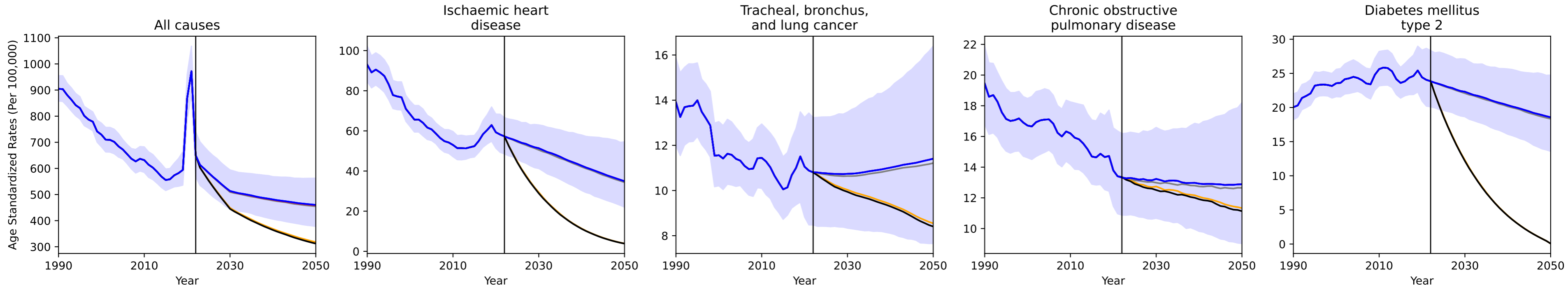
# Southern Latin America



# Western Europe

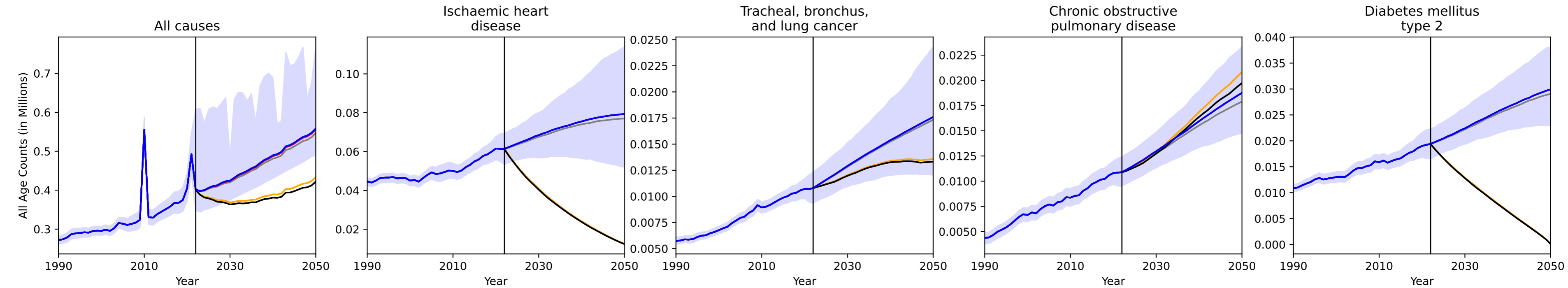
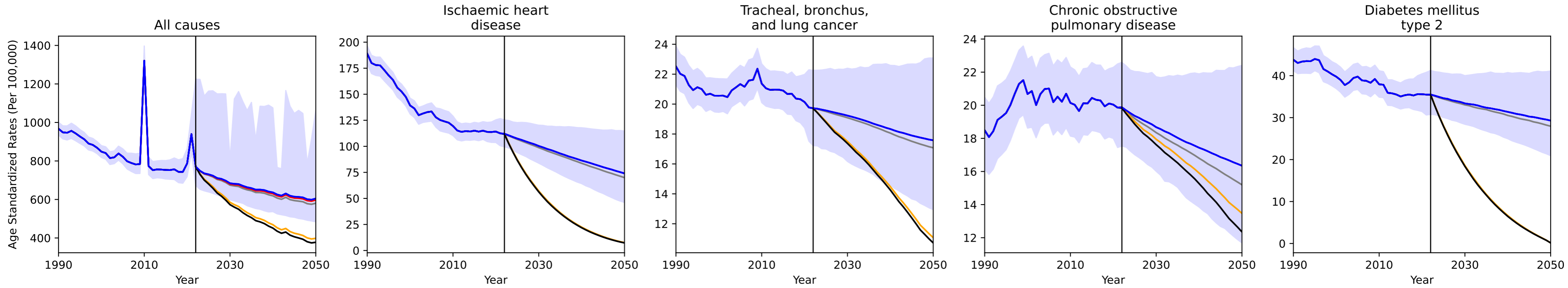


# Andean Latin America



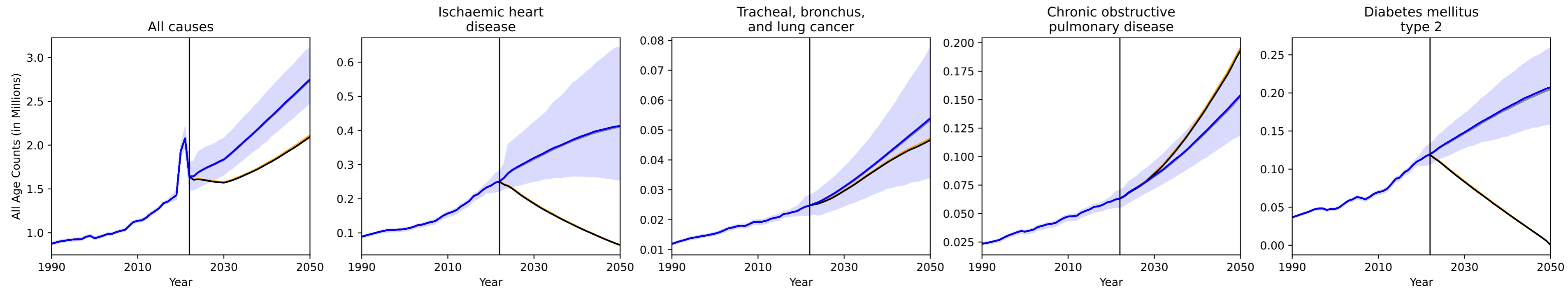
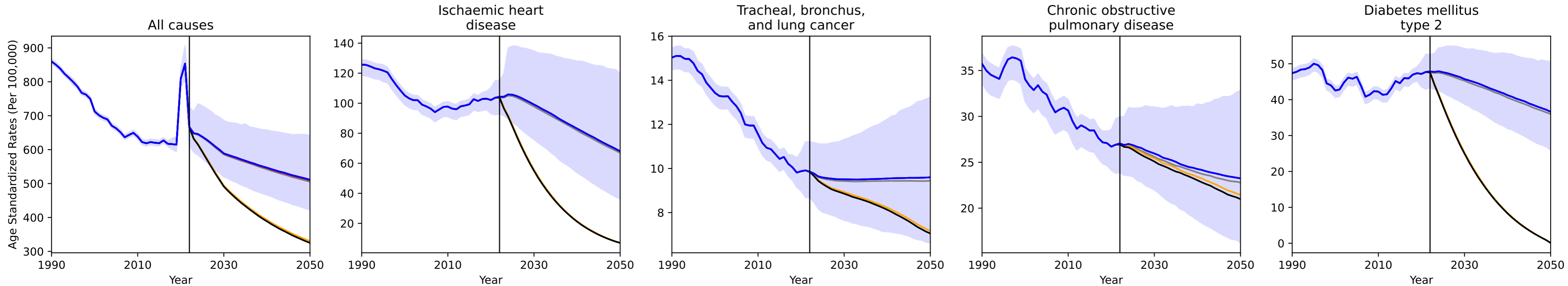
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Caribbean

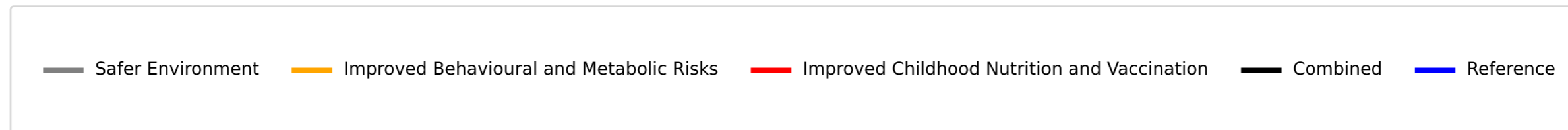
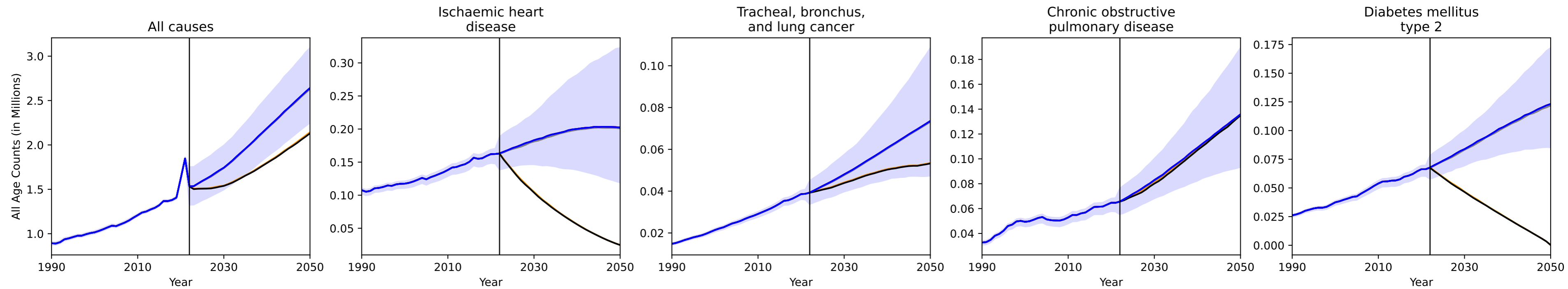
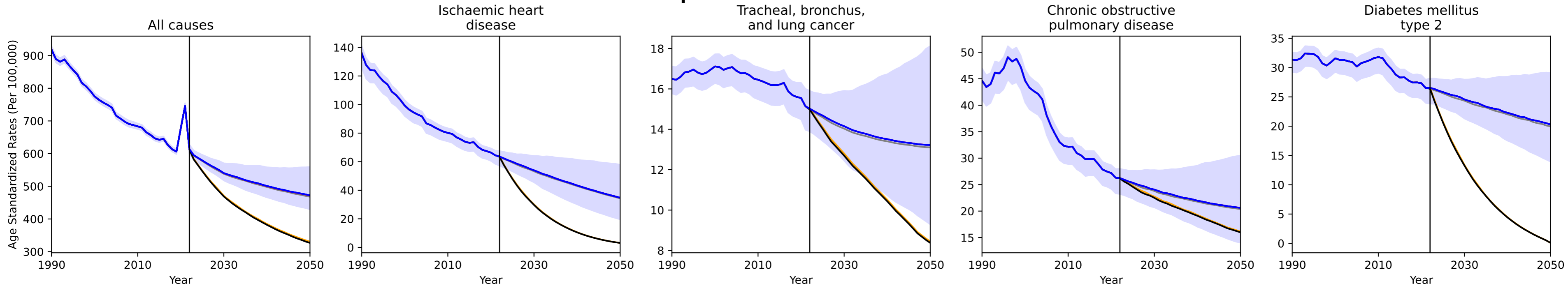


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

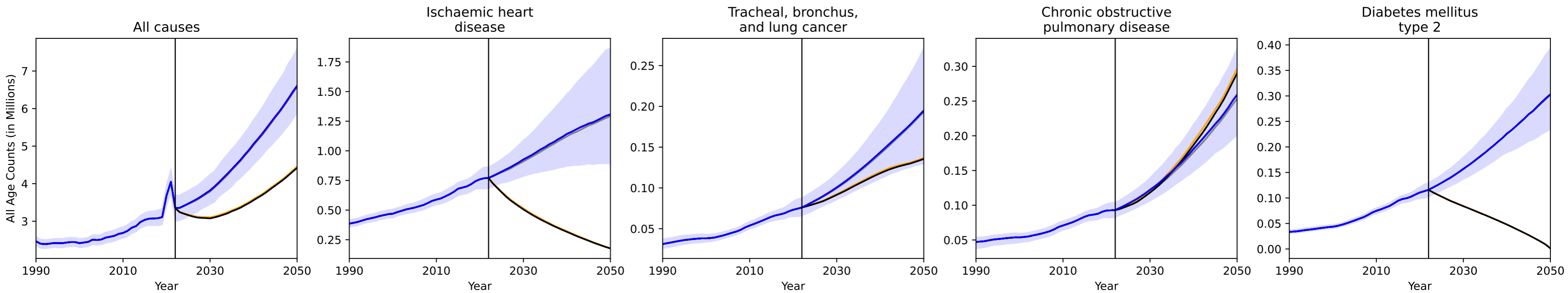
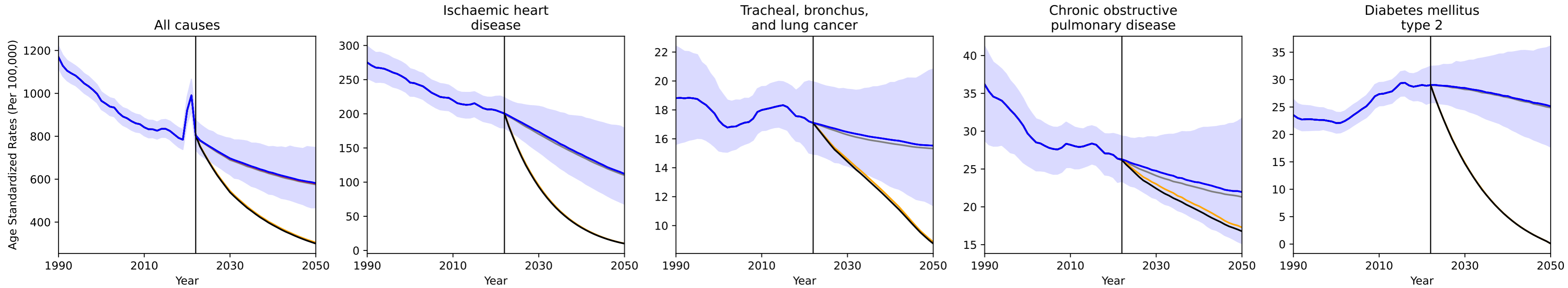
# Central Latin America



# Tropical Latin America

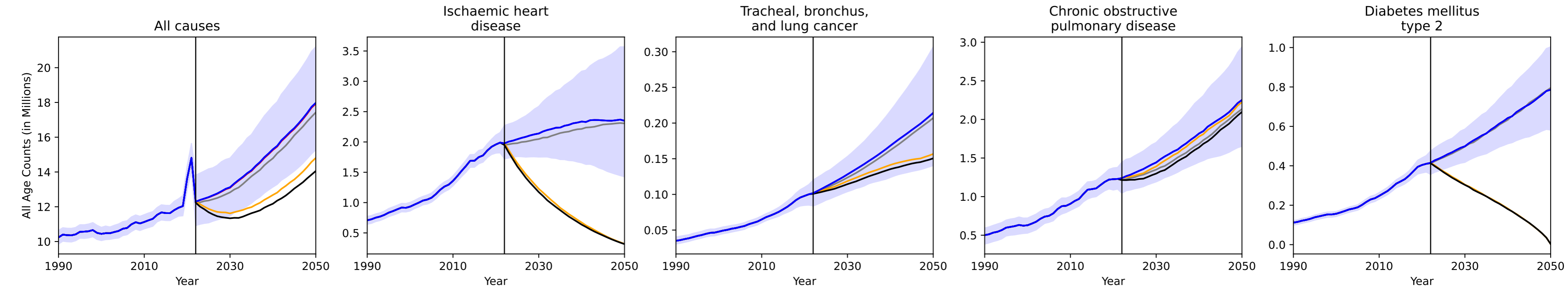
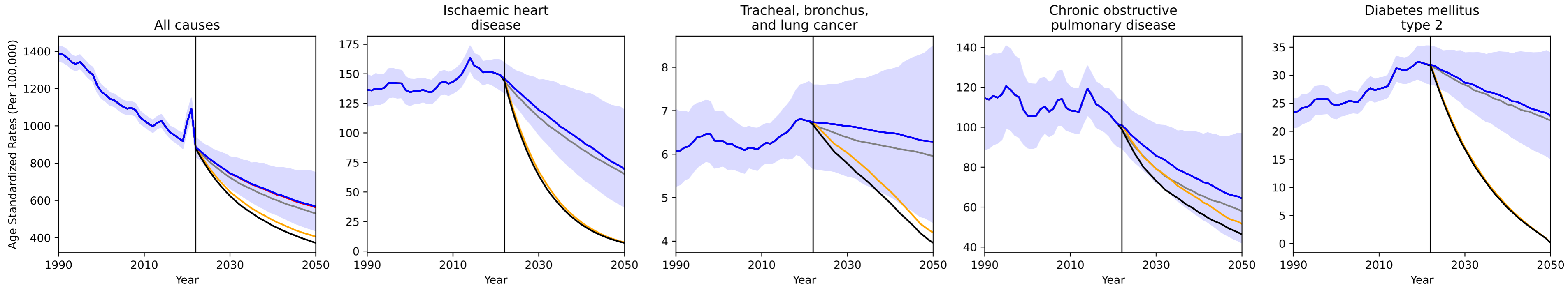


# North Africa And Middle East



— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

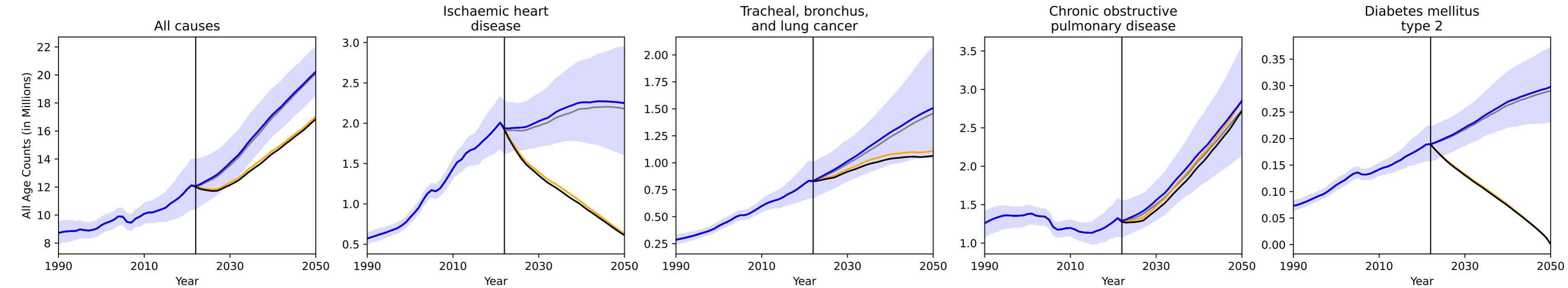
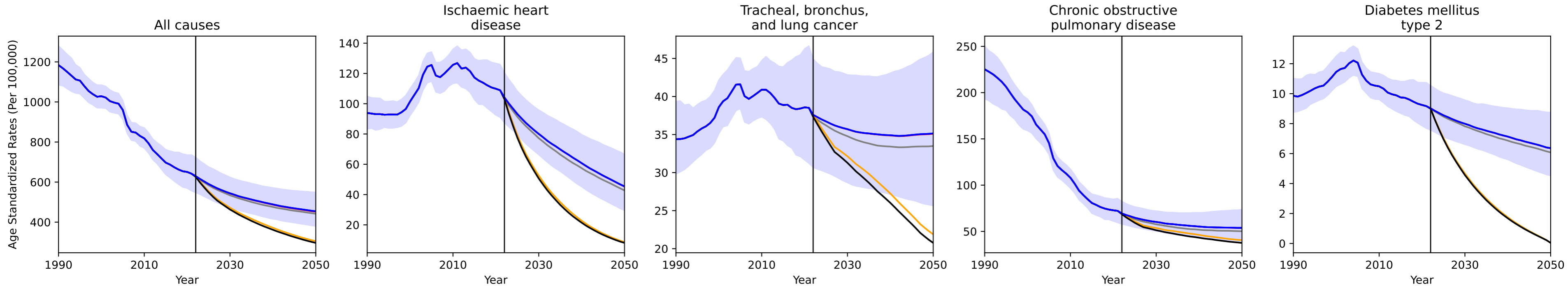
# South Asia



— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

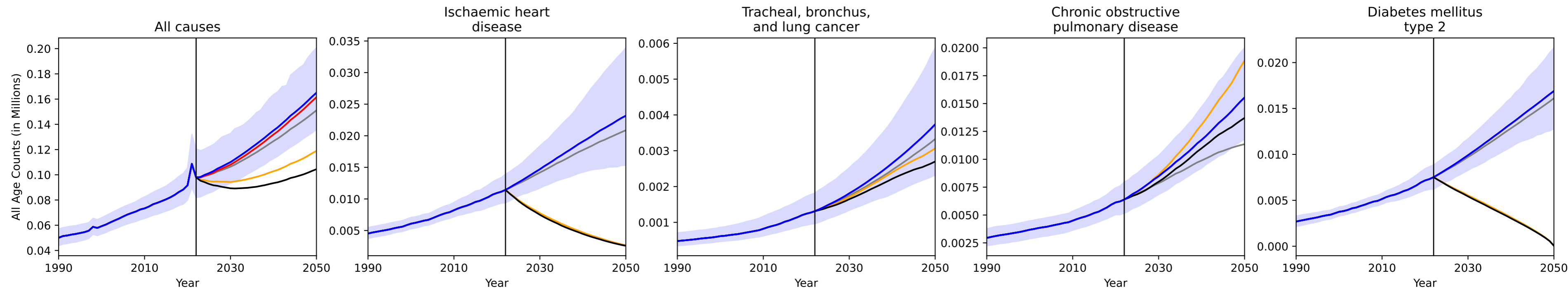
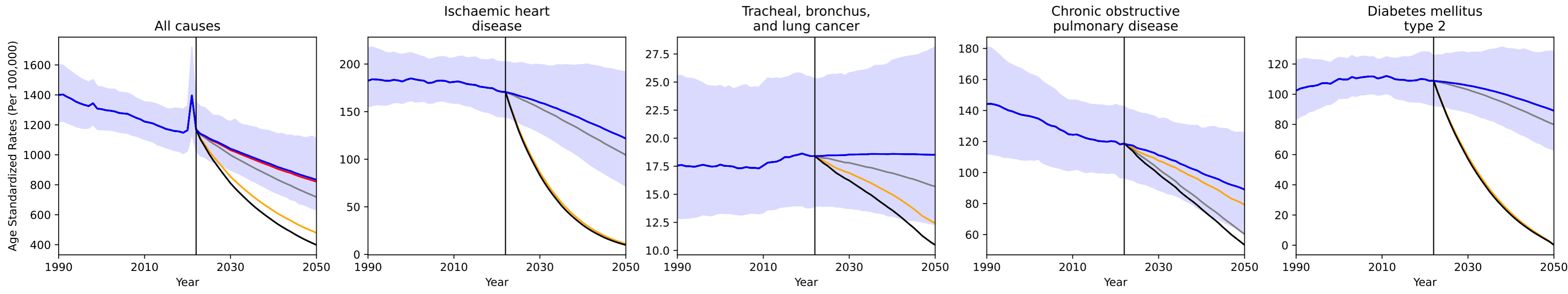


# East Asia

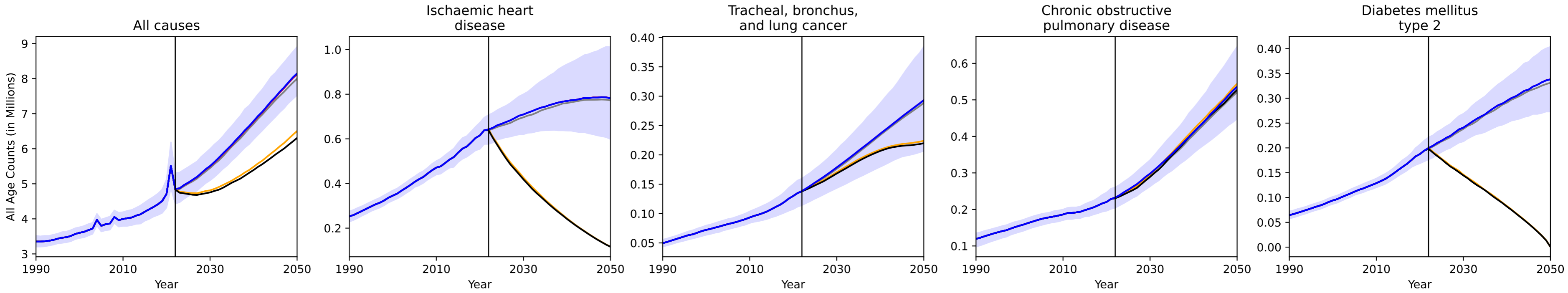
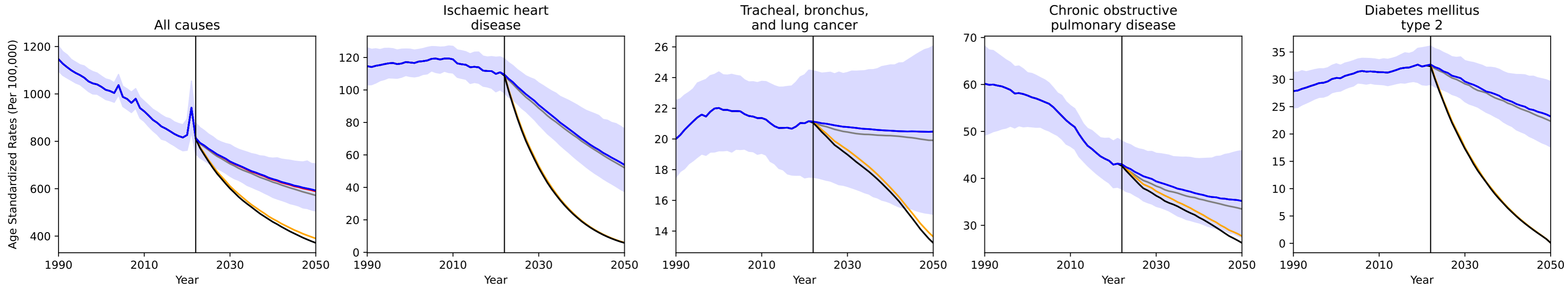


— Safer Environment    — Improved Behavioural and Metabolic Risks    — Improved Childhood Nutrition and Vaccination    — Combined    — Reference

# Oceania

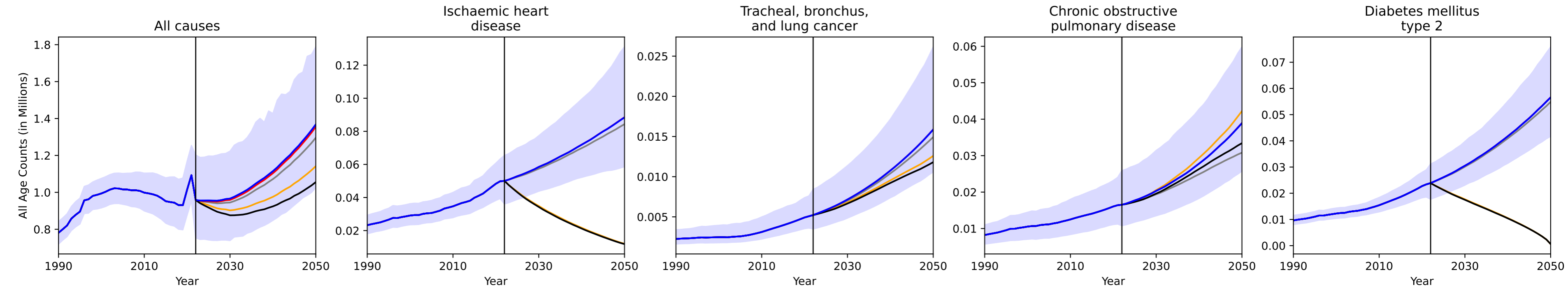
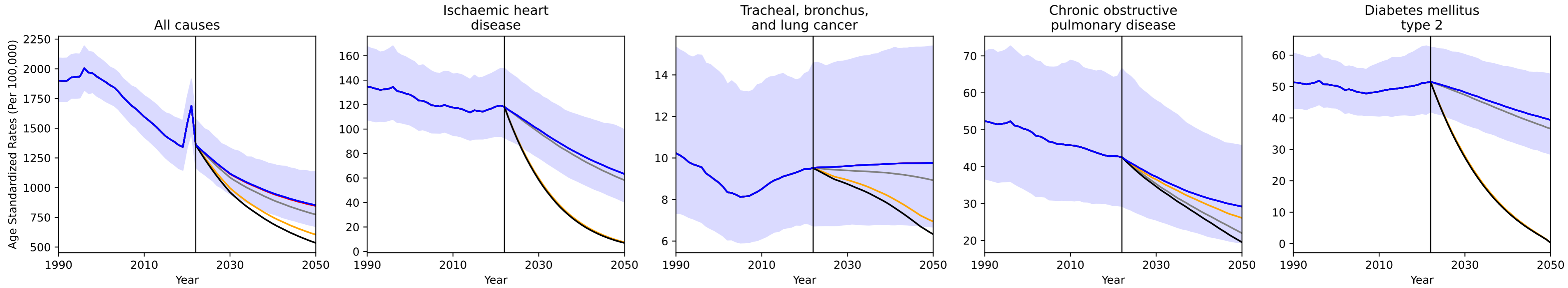


# Southeast Asia



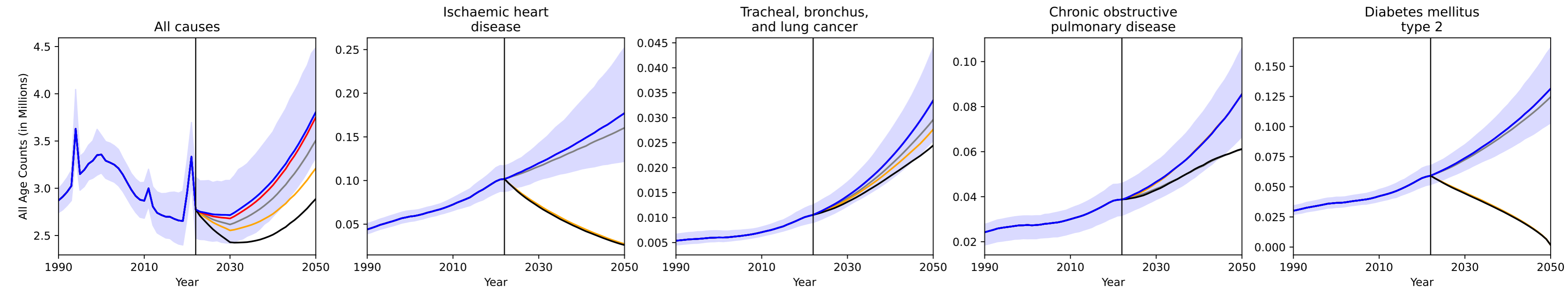
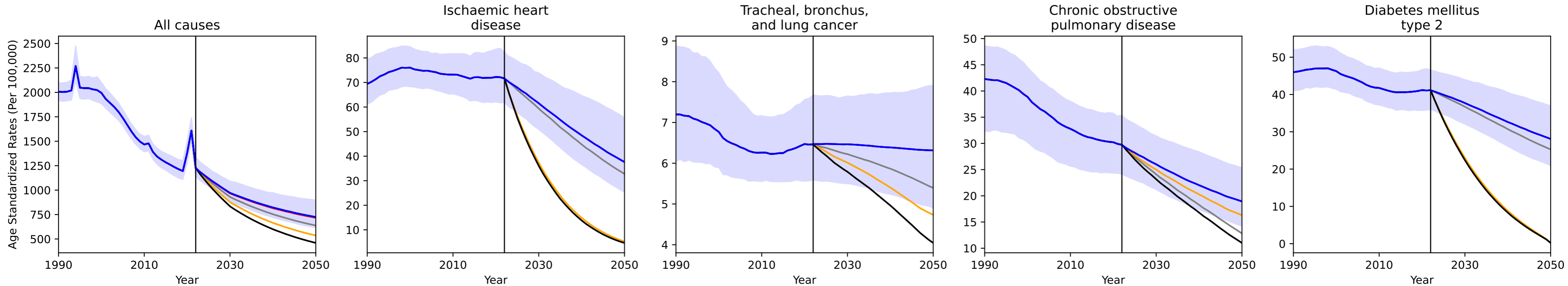
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Central Sub-Saharan Africa



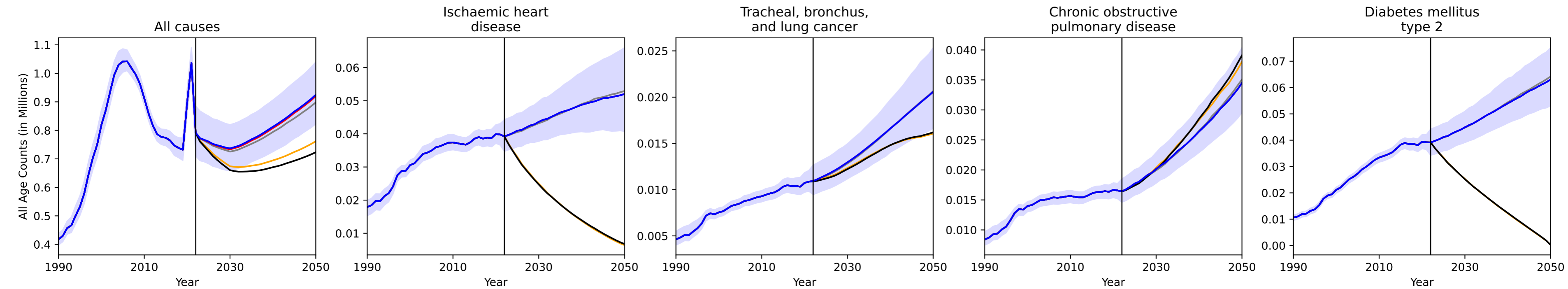
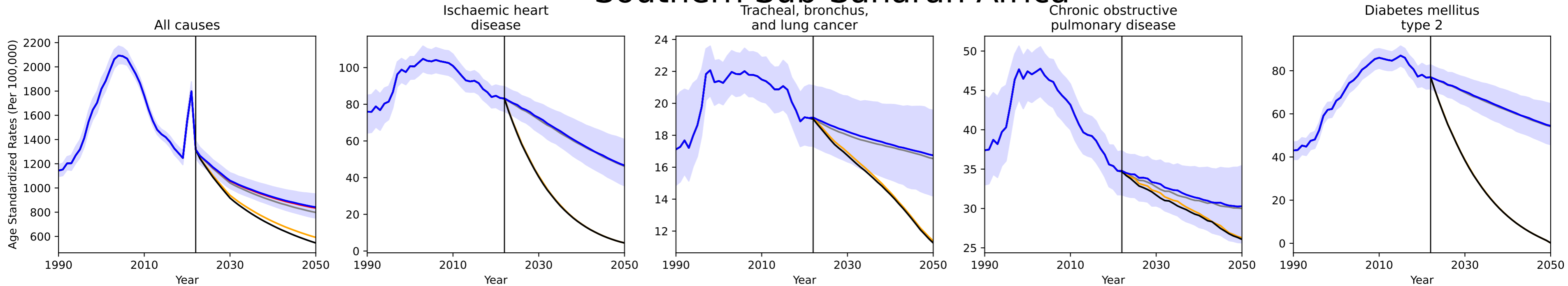
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Eastern Sub-Saharan Africa



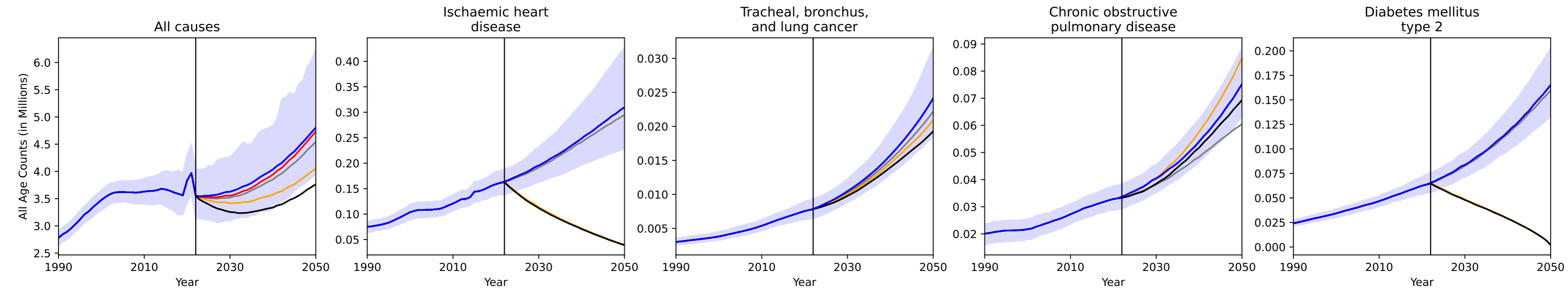
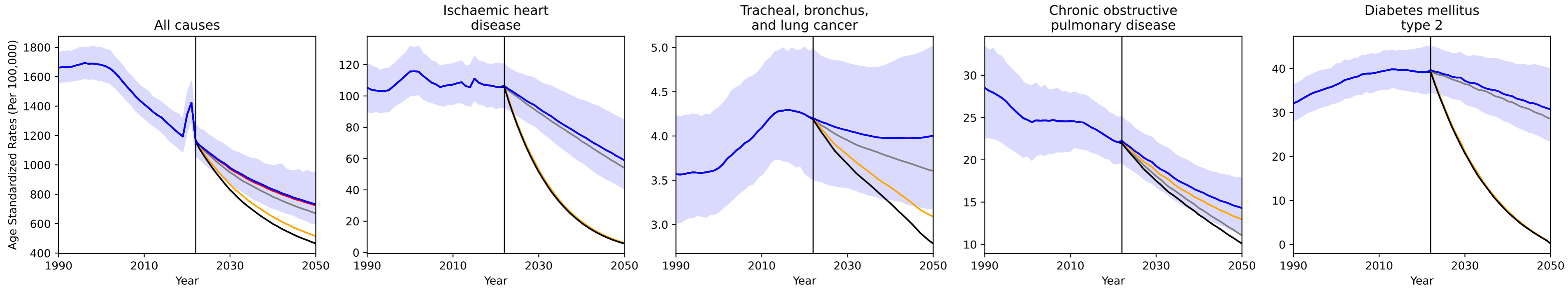
— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

# Southern Sub-Saharan Africa

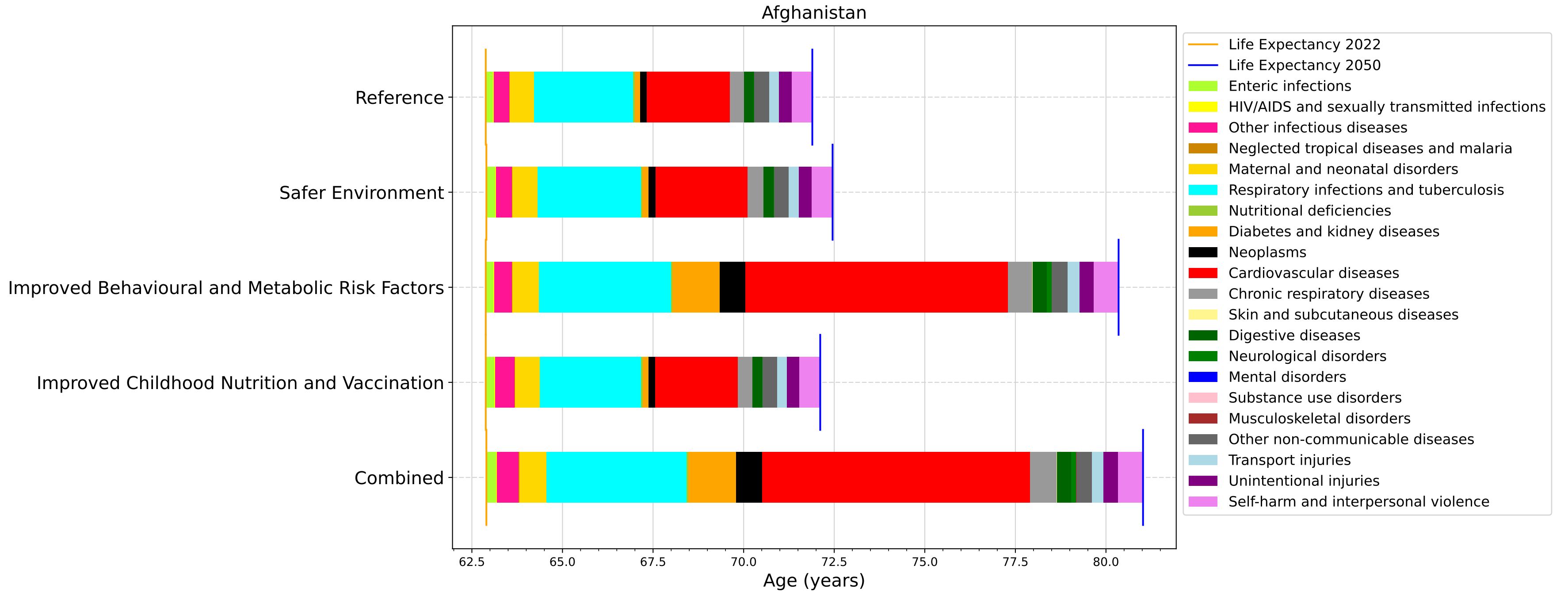


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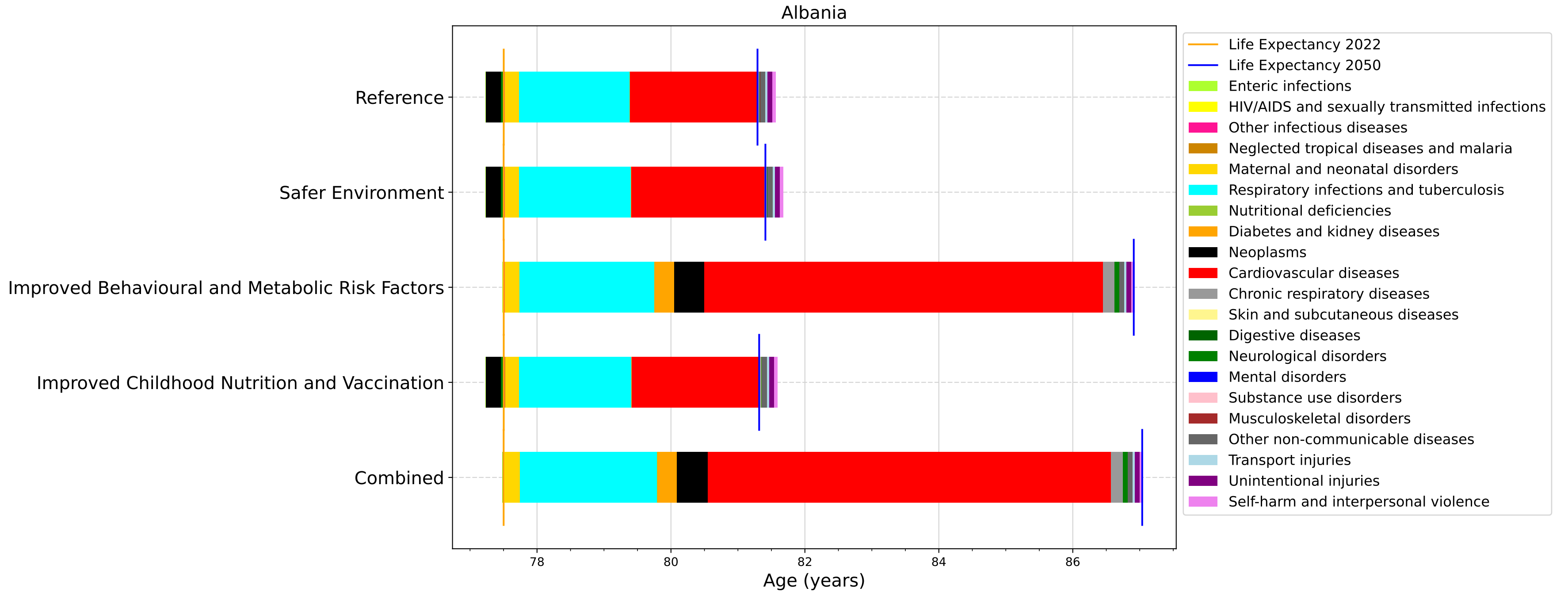
# Western Sub-Saharan Africa

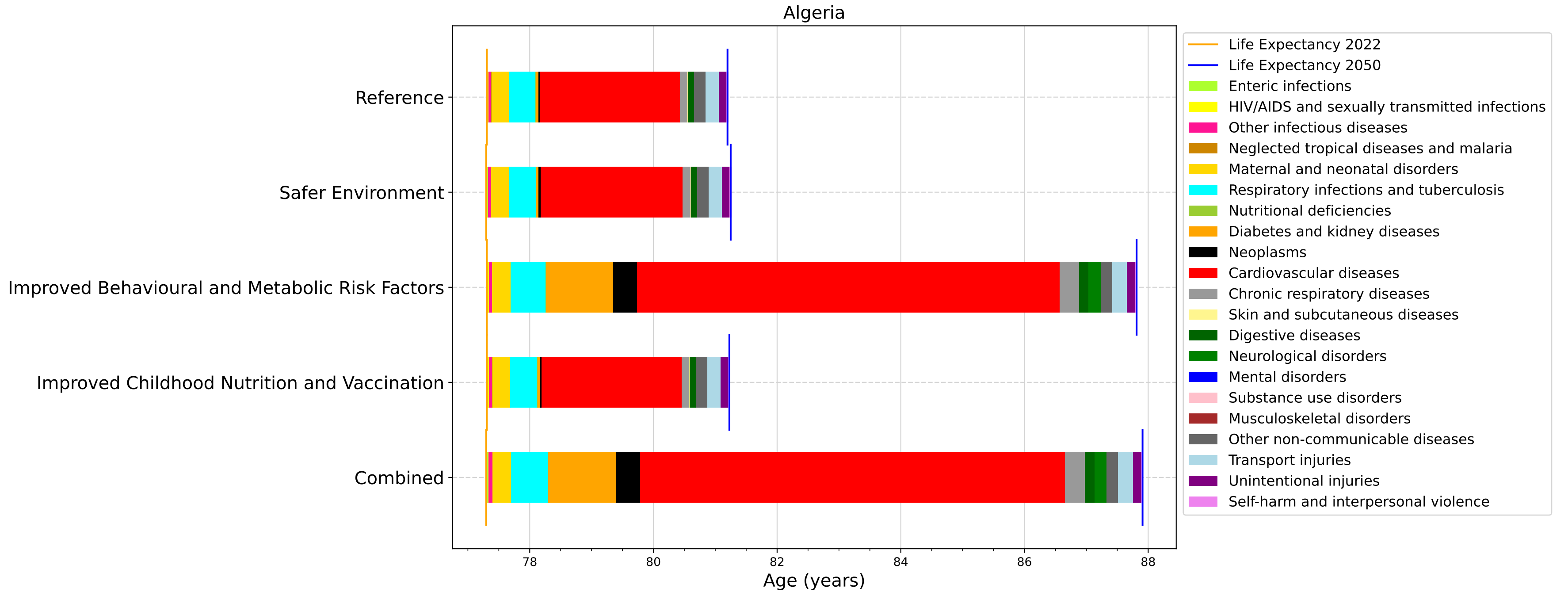


— Safer Environment — Improved Behavioural and Metabolic Risks — Improved Childhood Nutrition and Vaccination — Combined — Reference

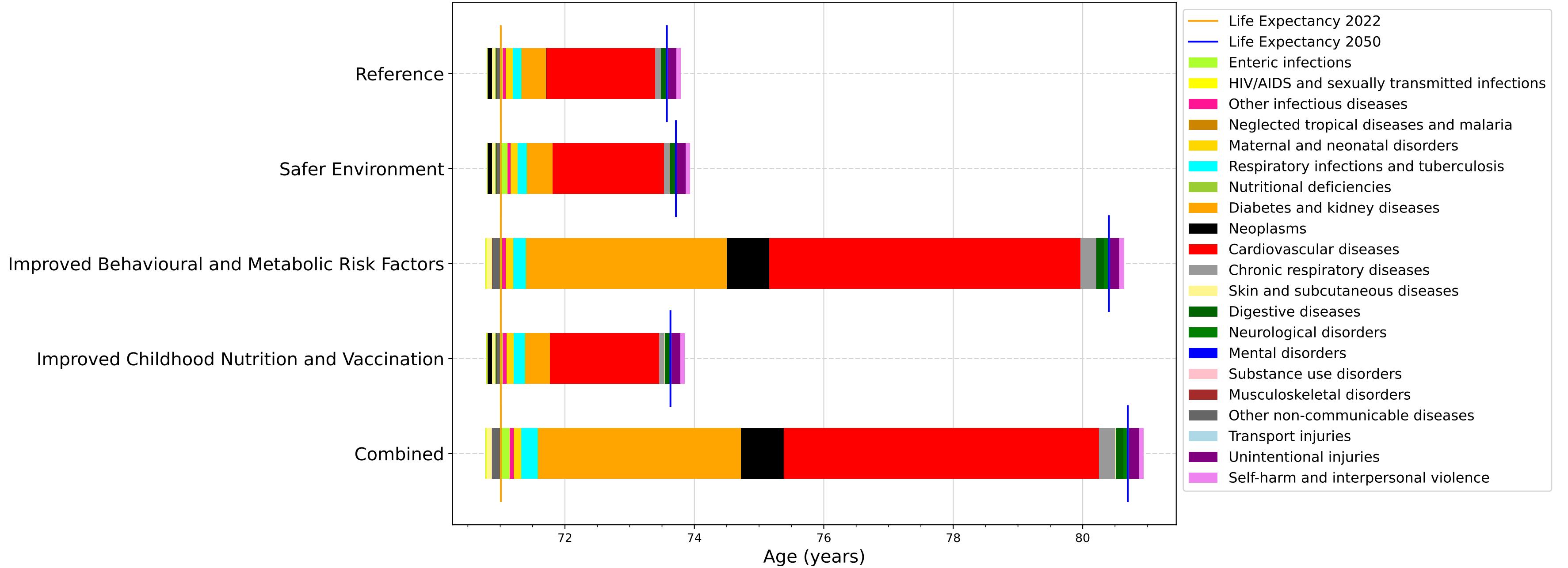




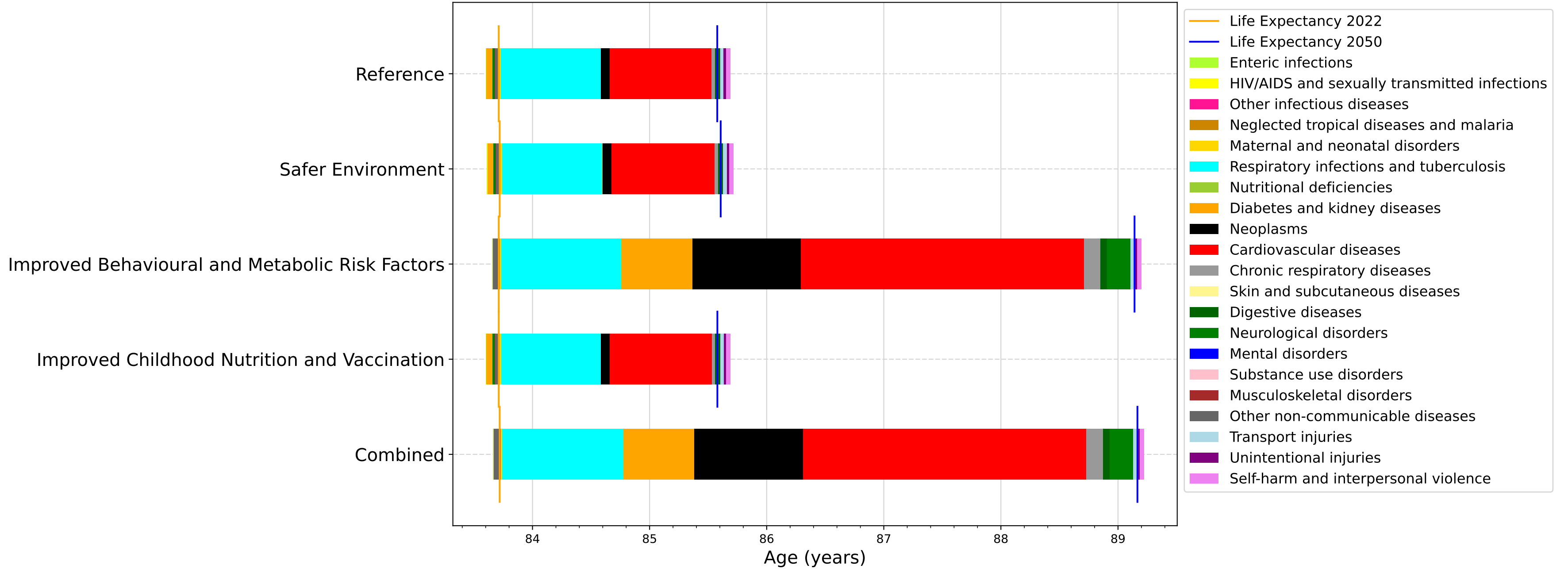


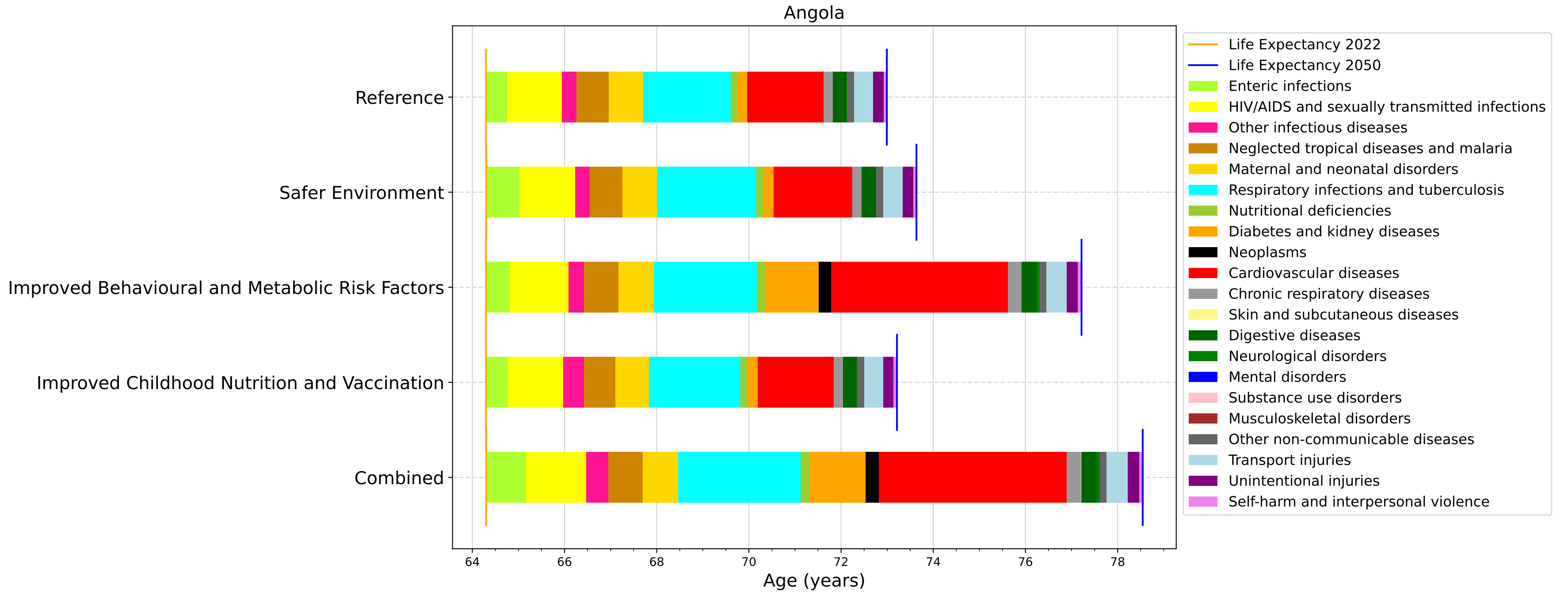


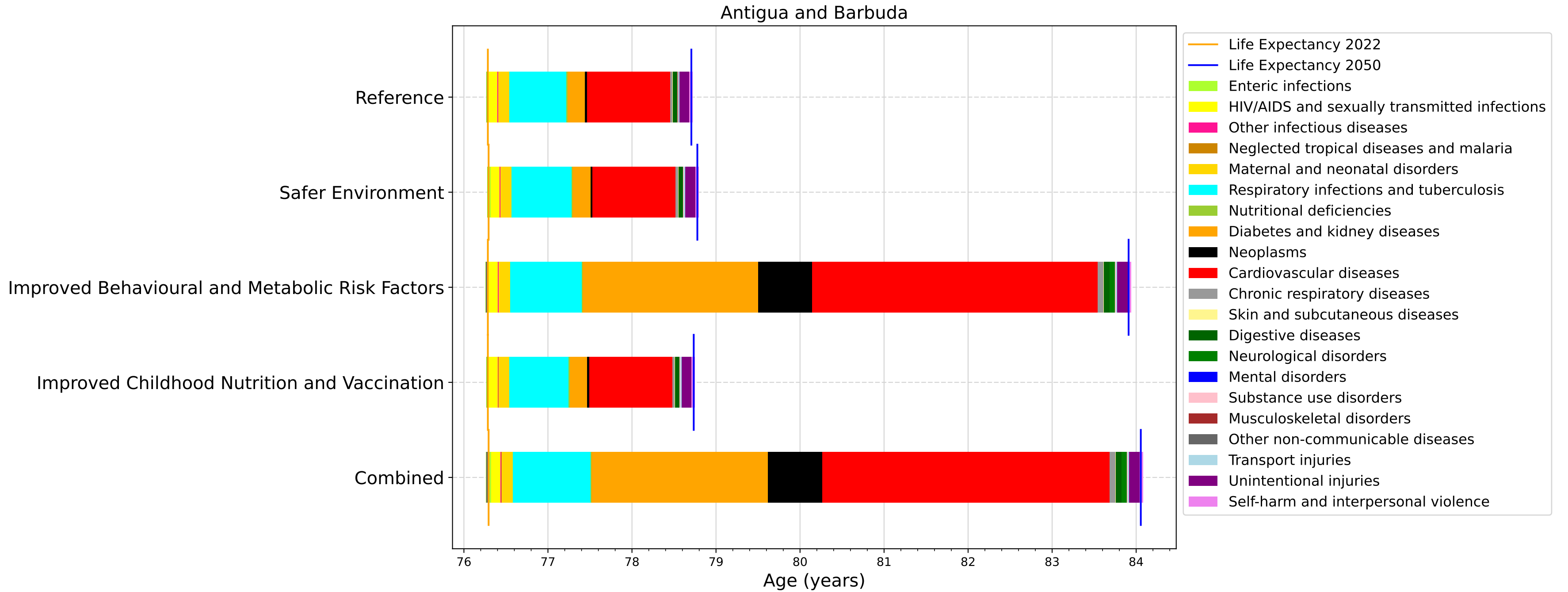
### American Samoa

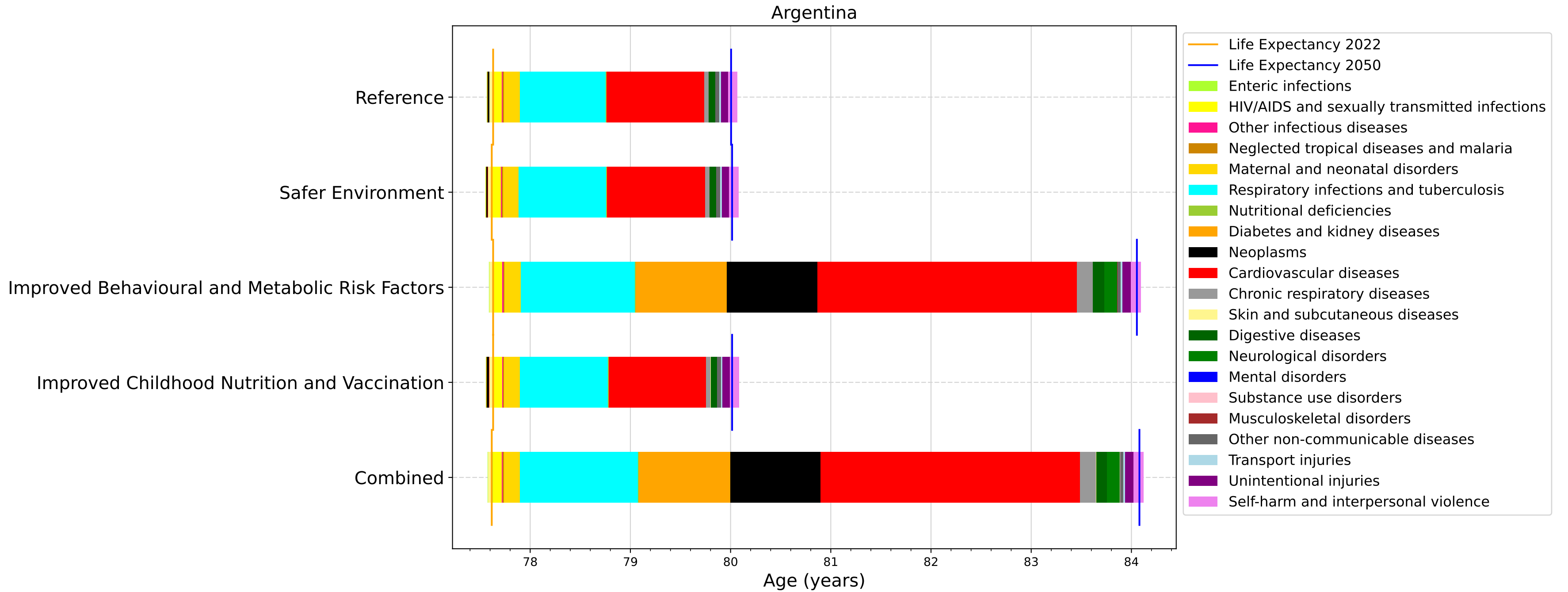


Andorra

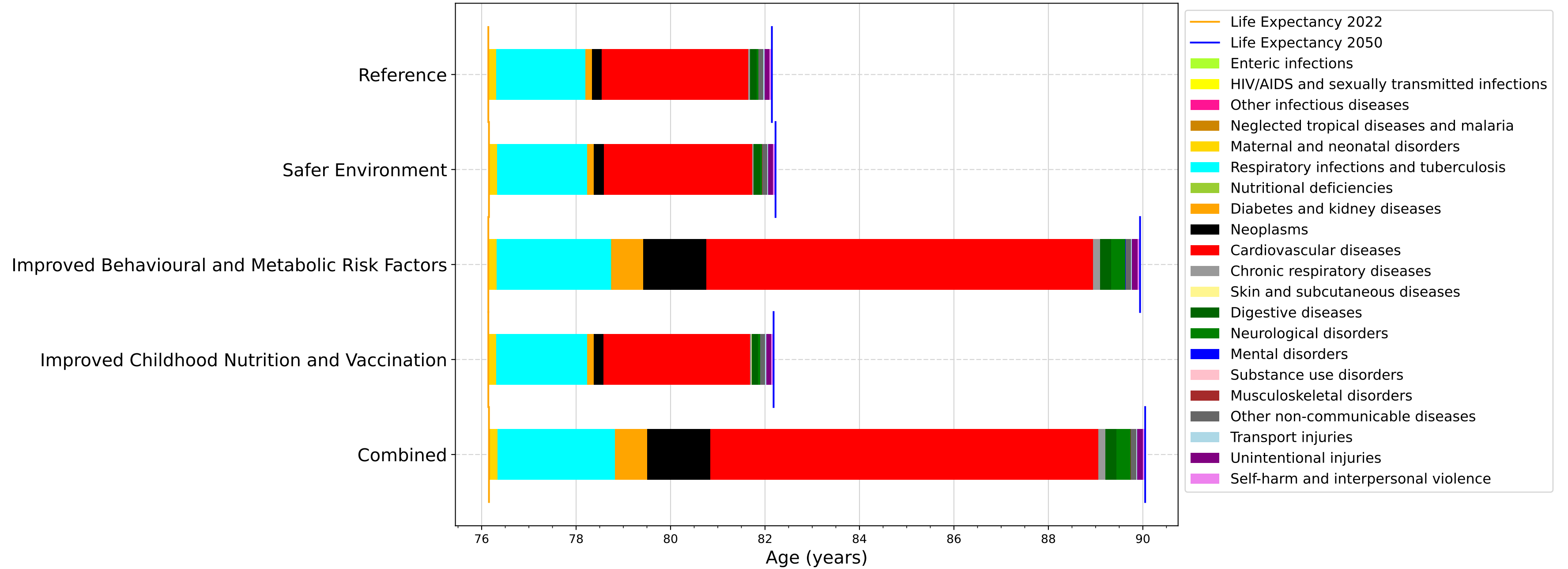




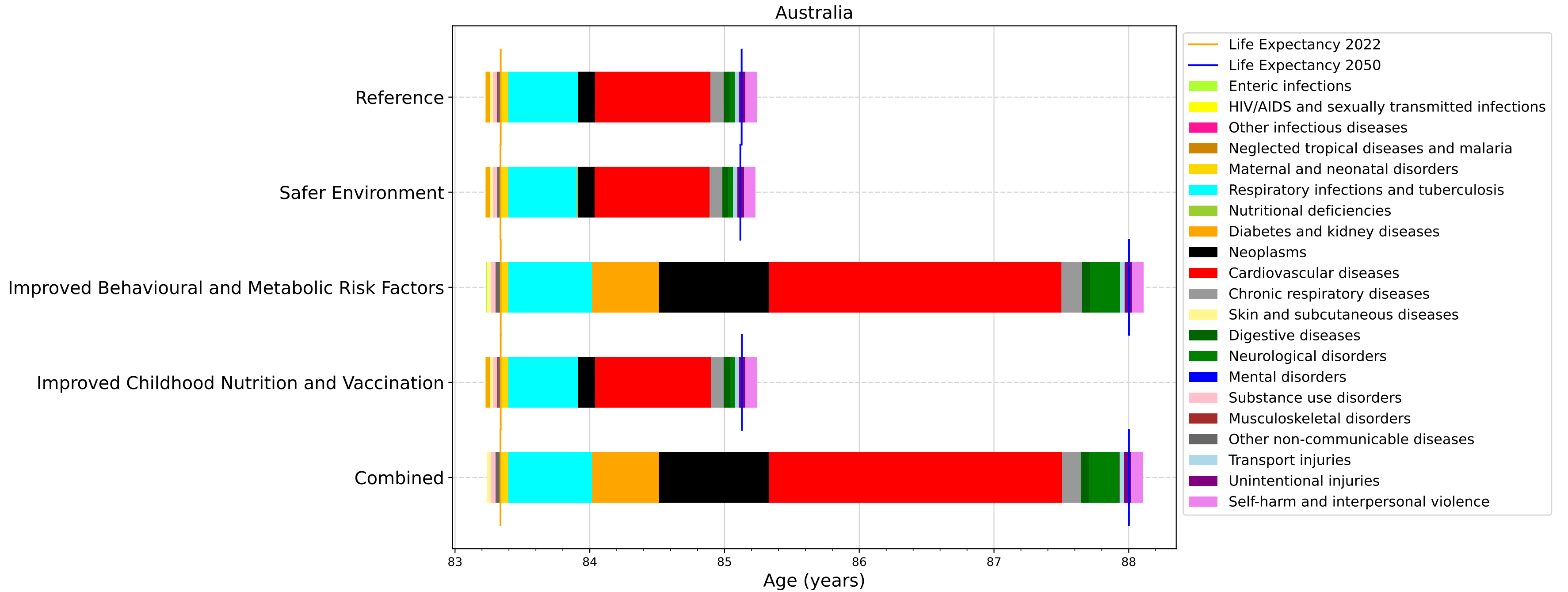


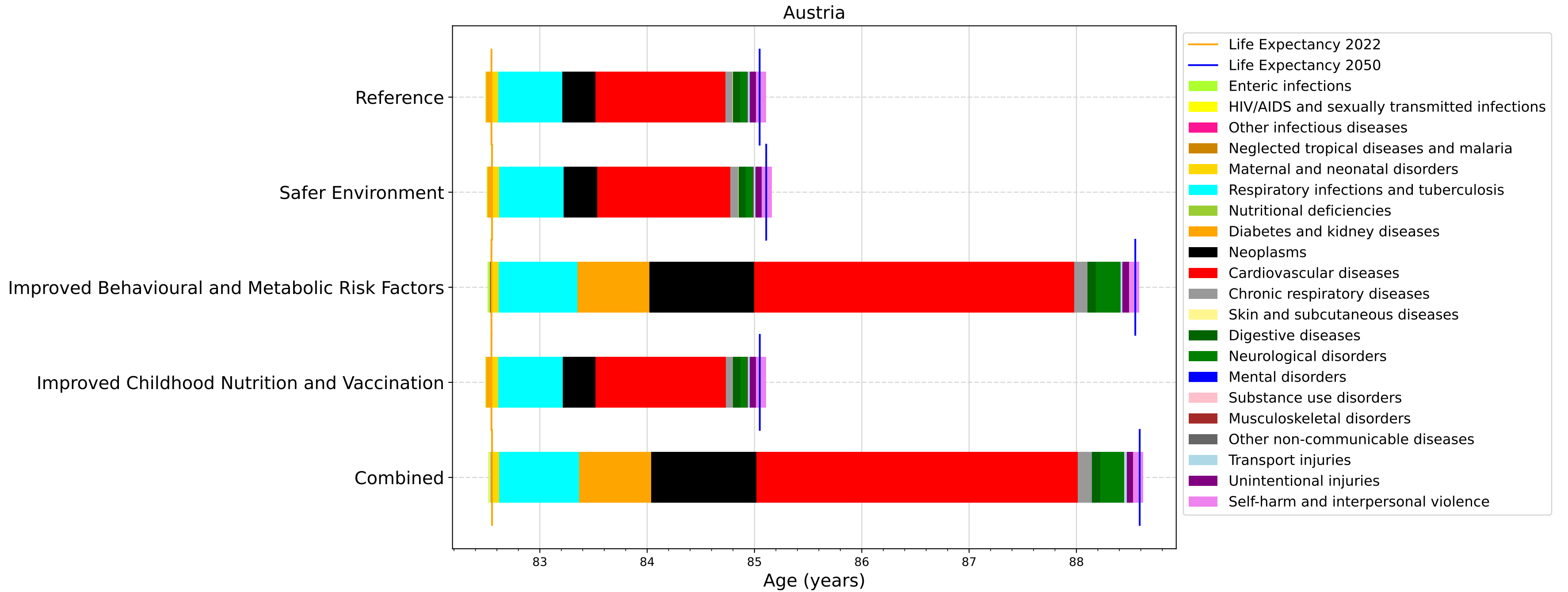


Armenia

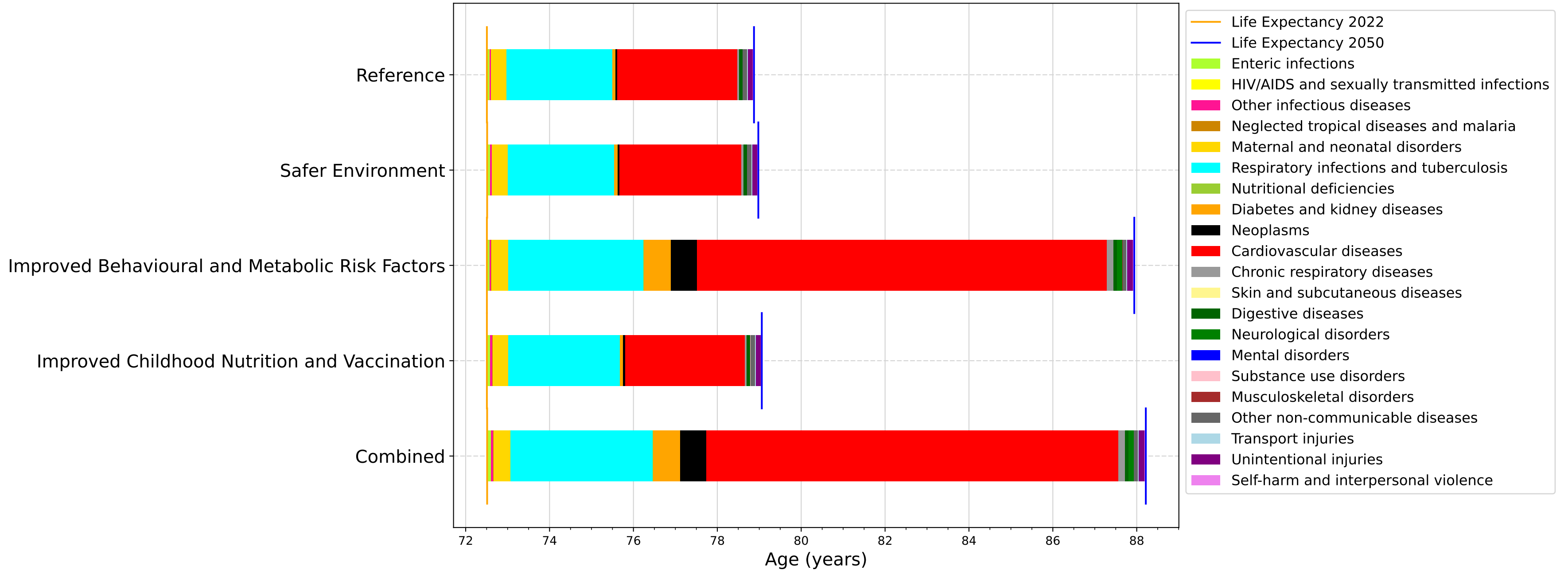


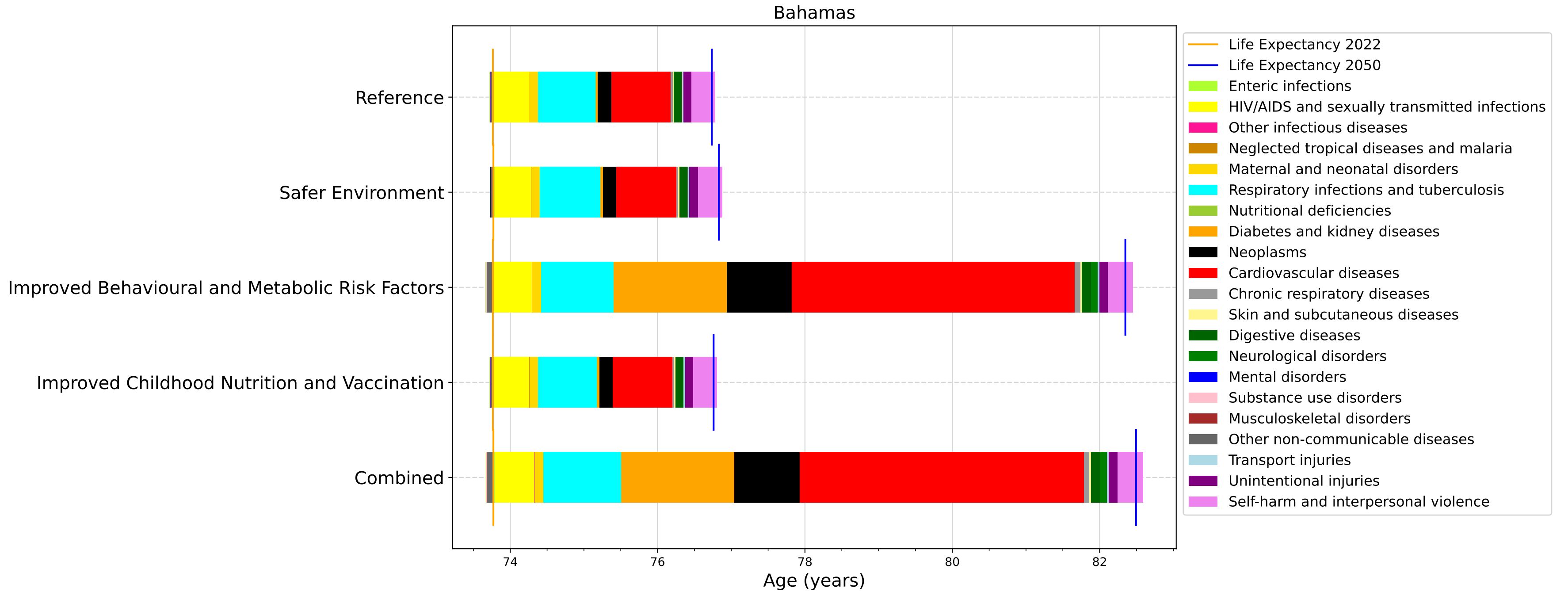




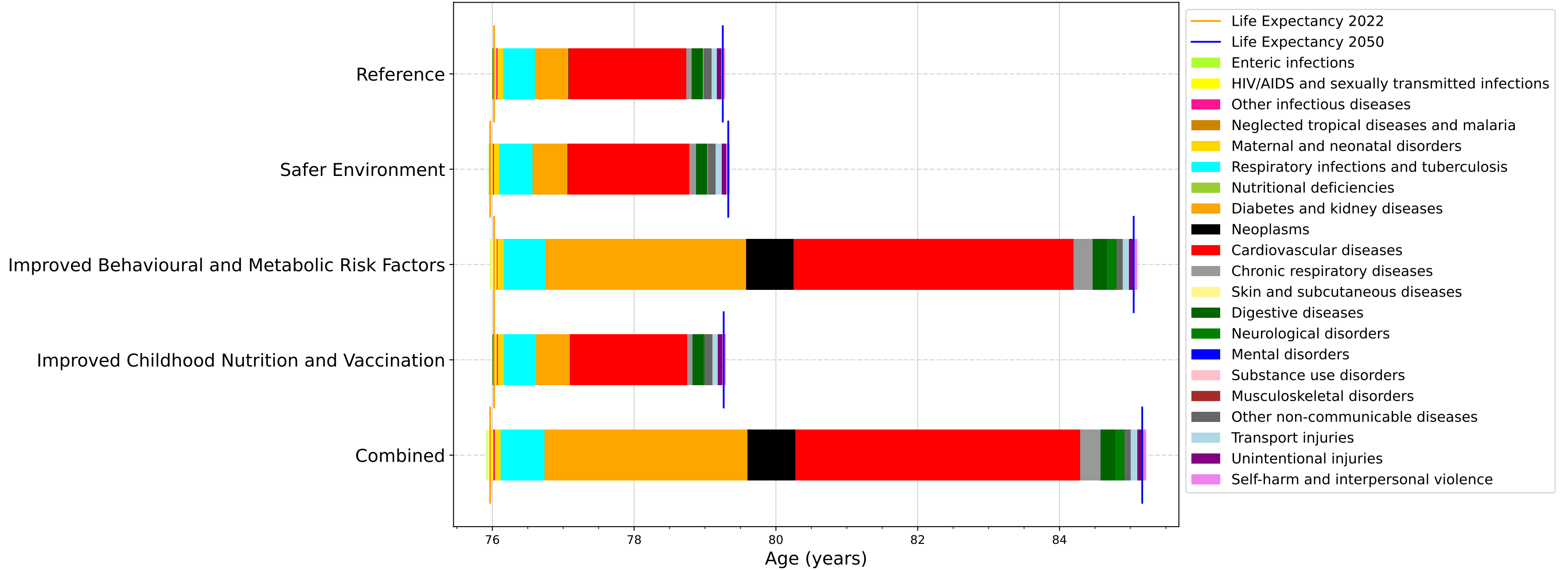


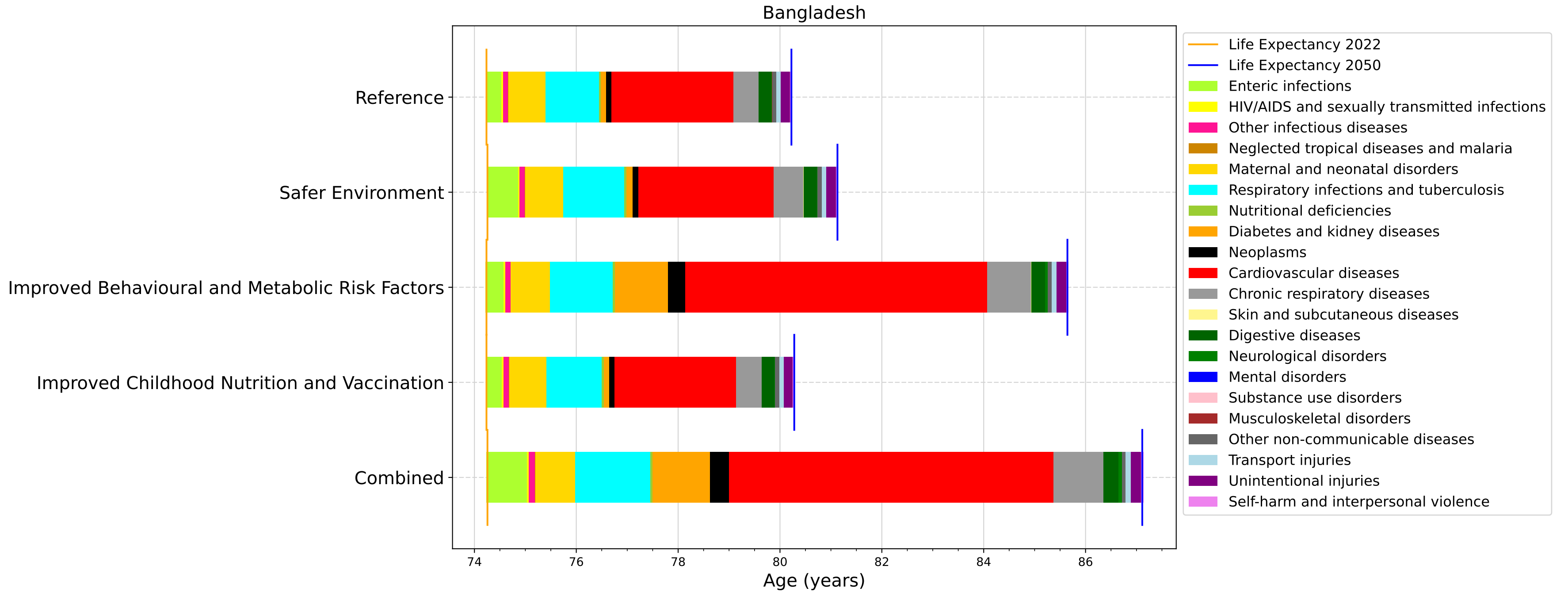
Azerbaijan

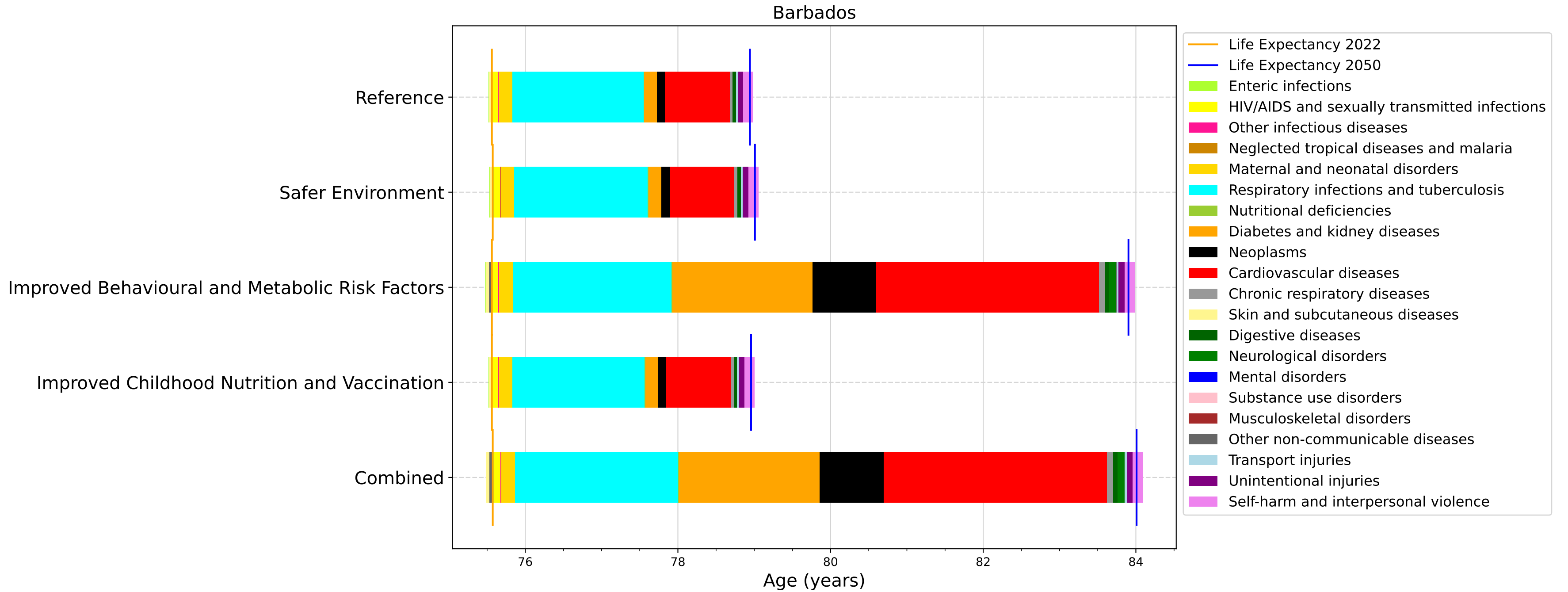


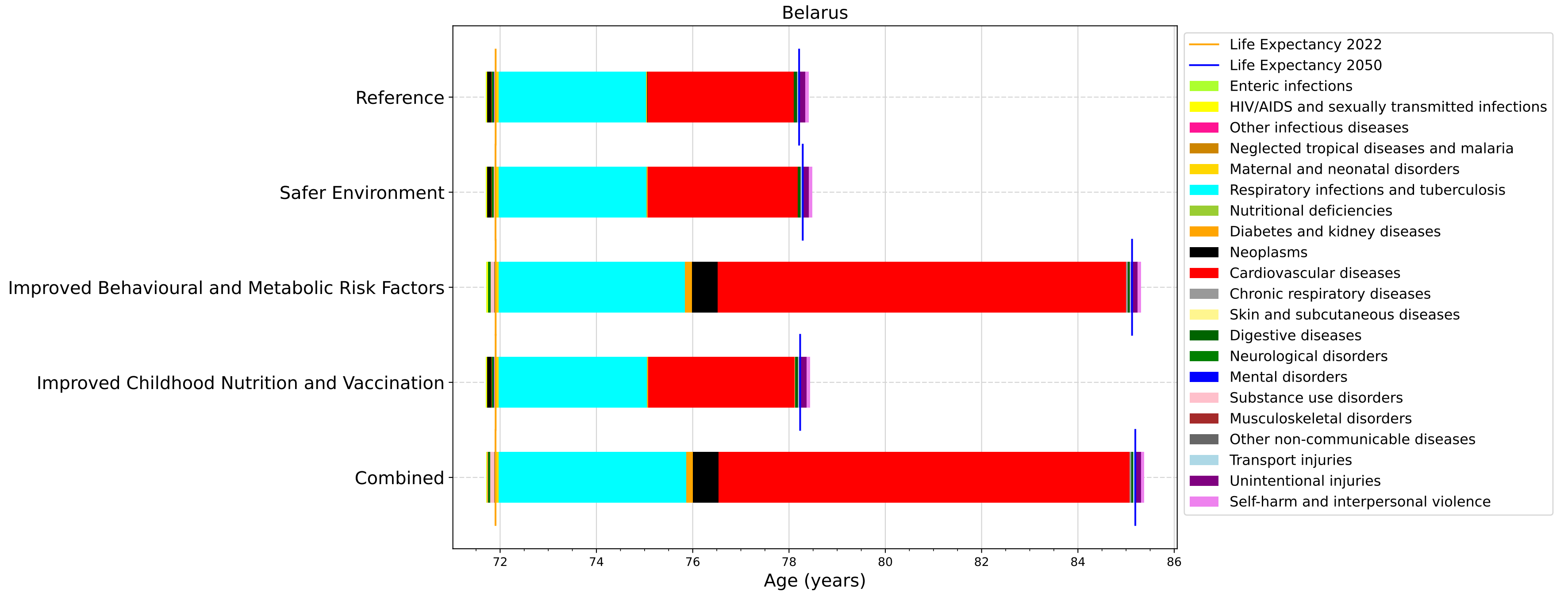


Bahrain

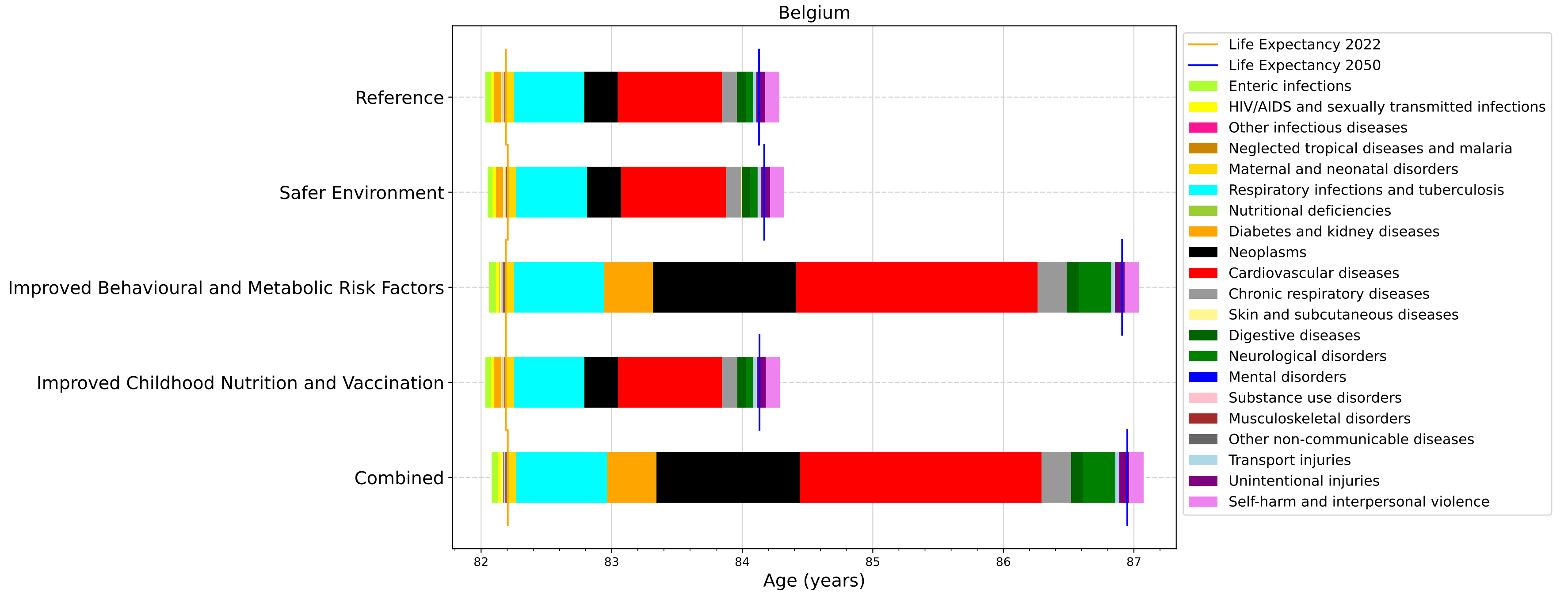


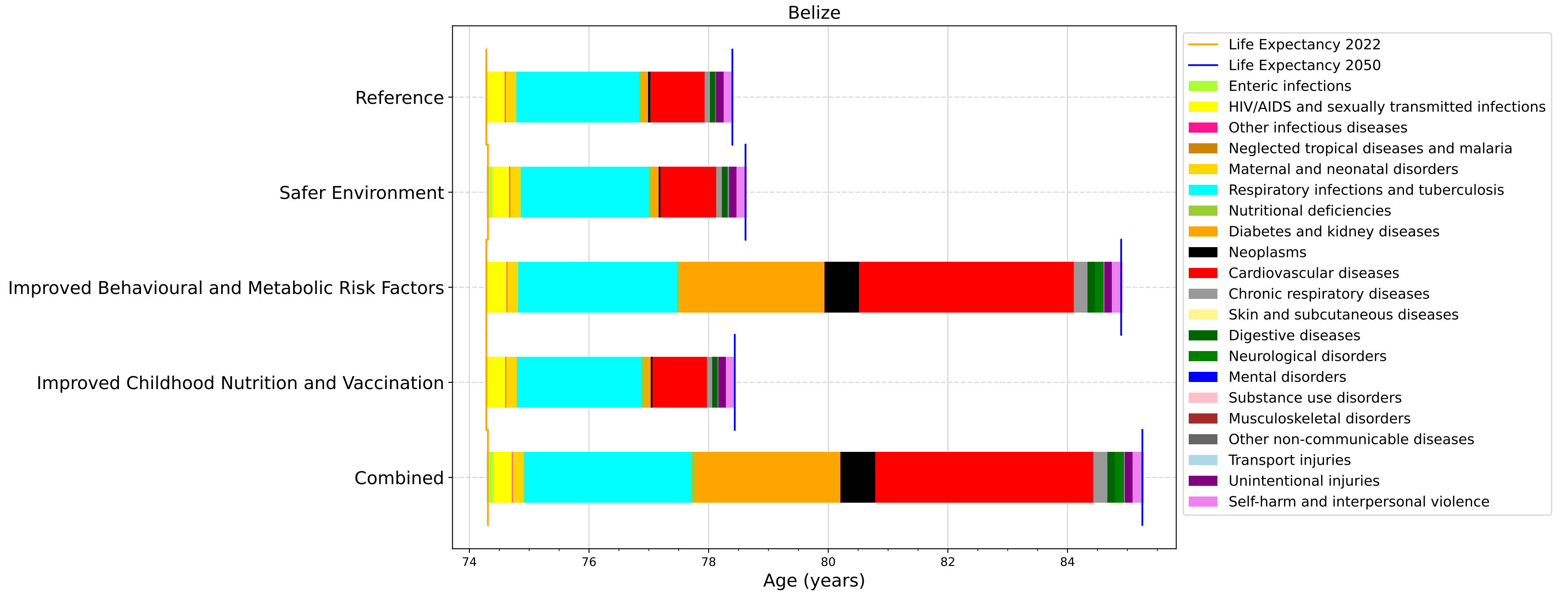


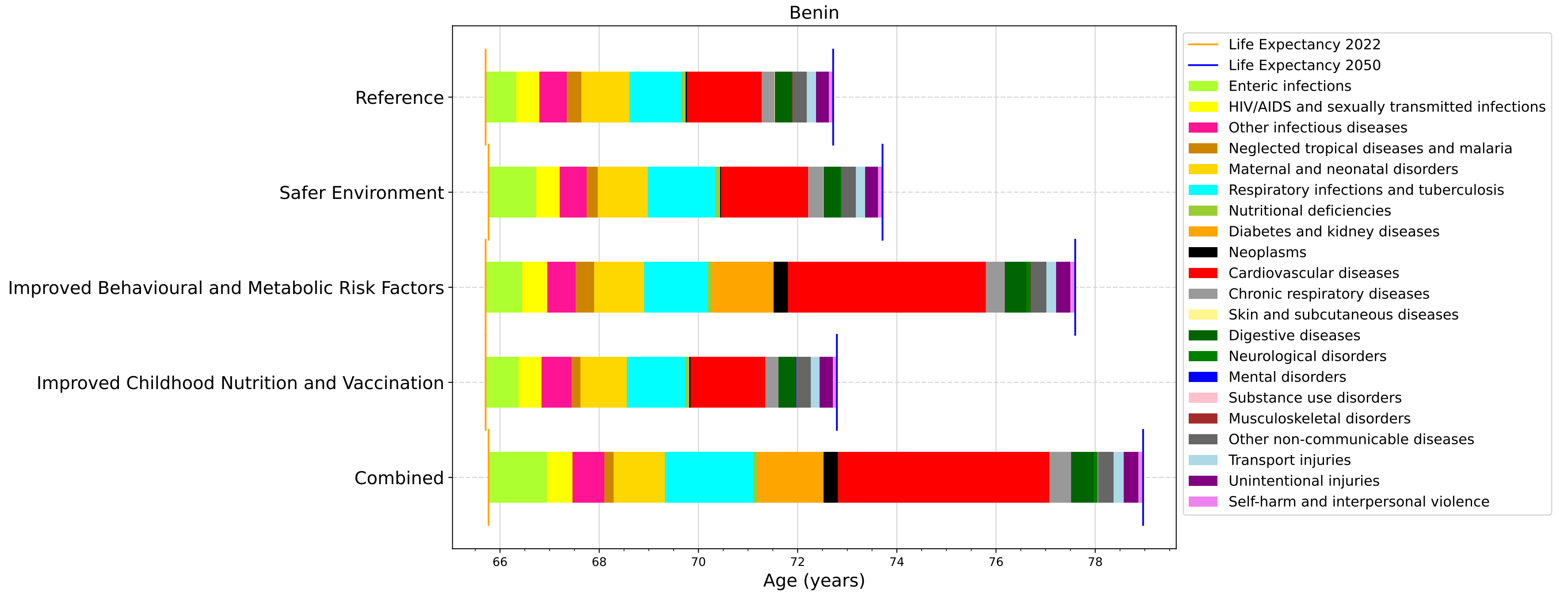


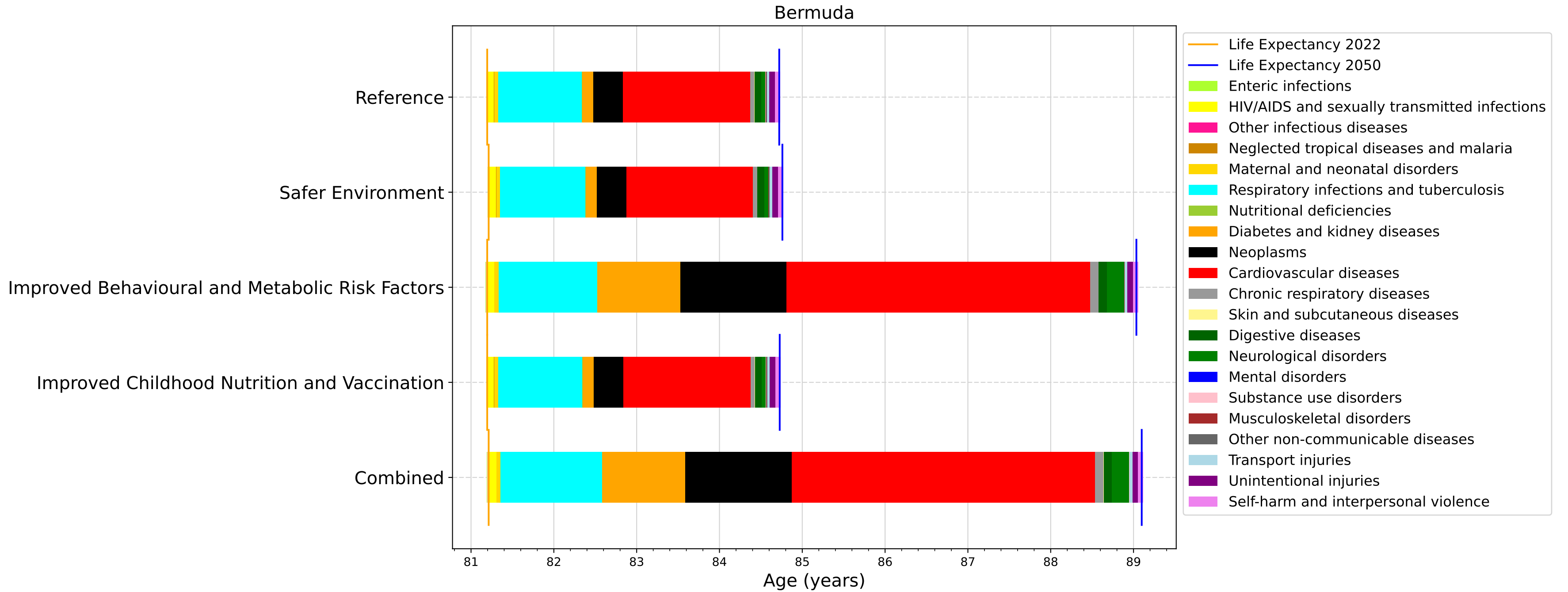


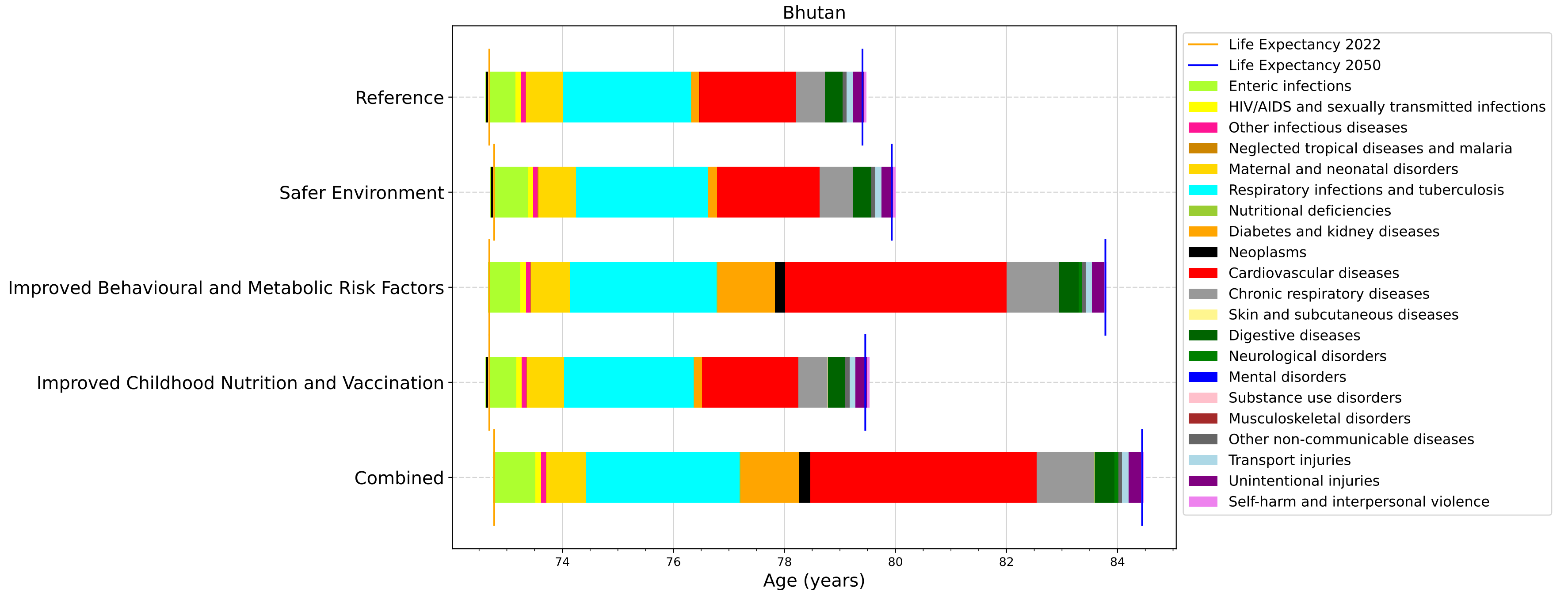




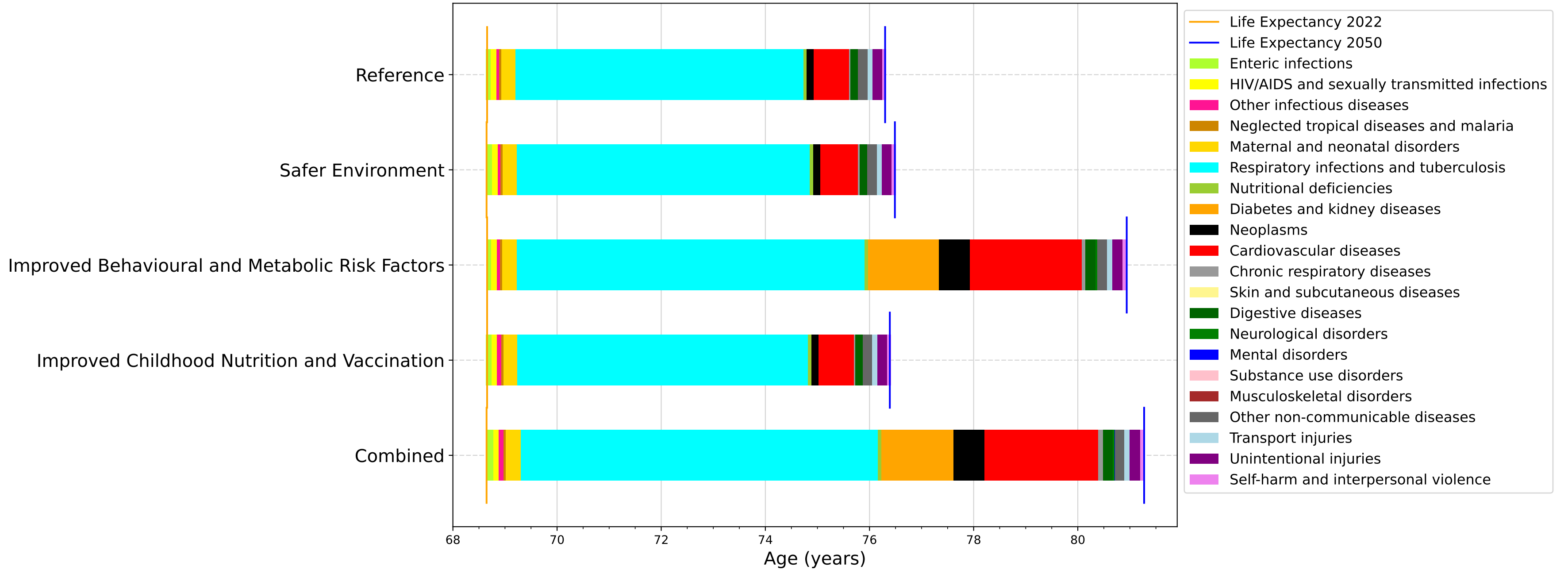


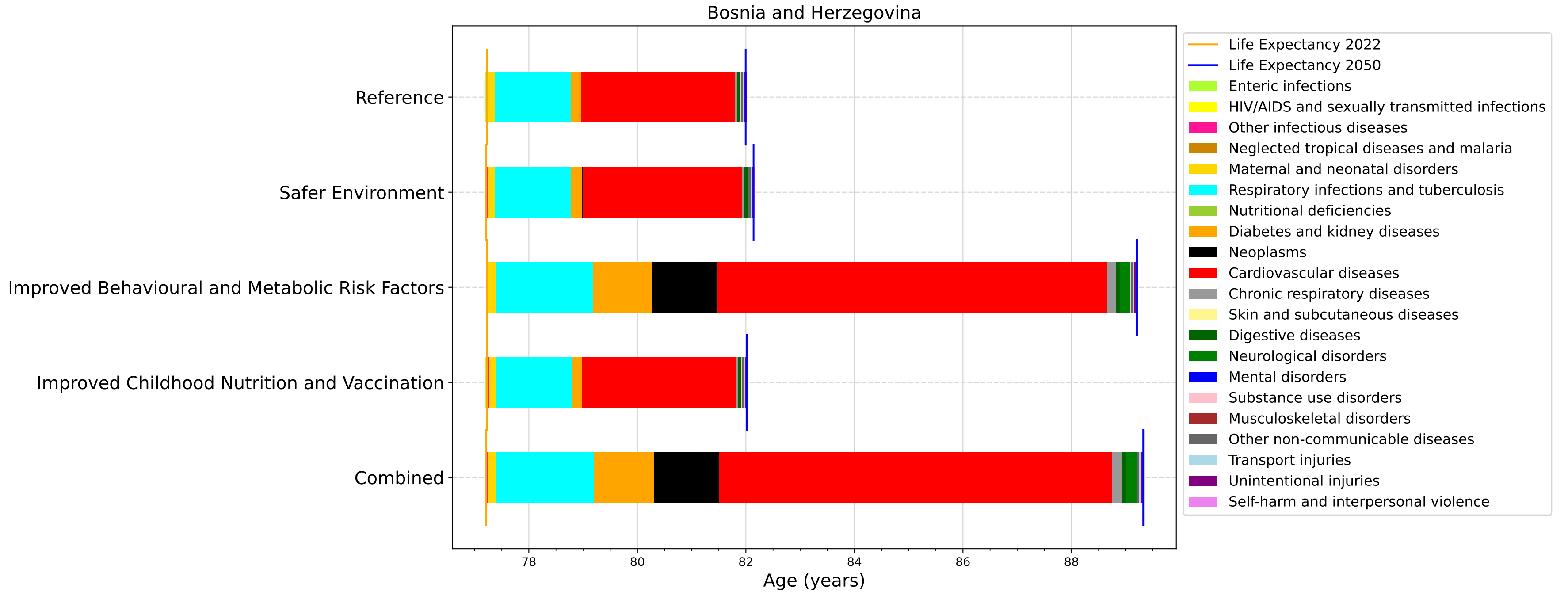


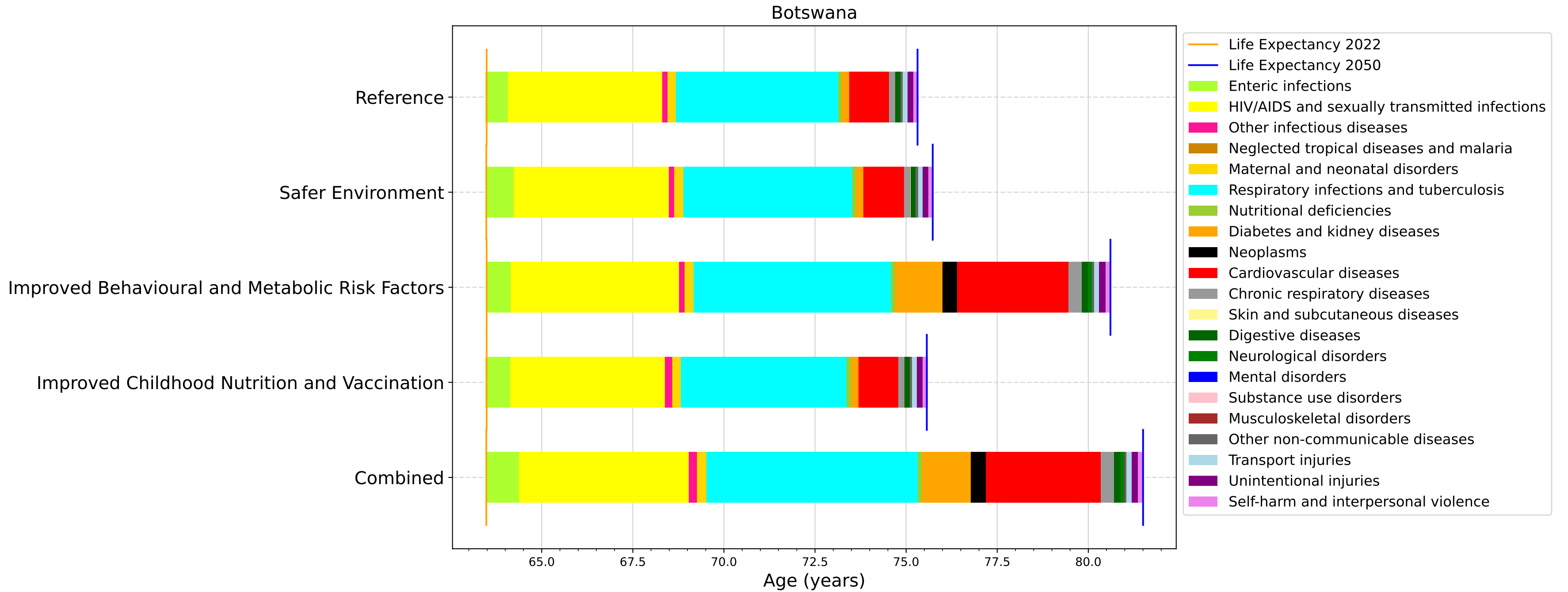




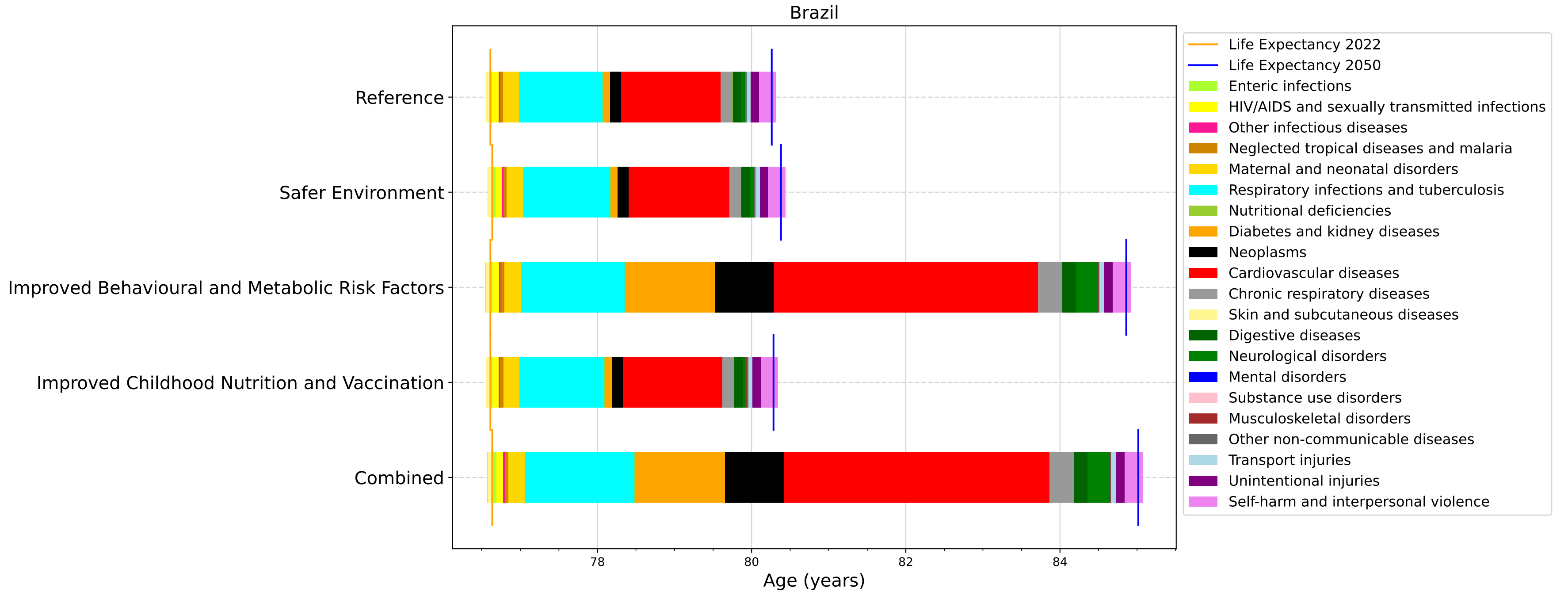
Bolivia (Plurinational State of)



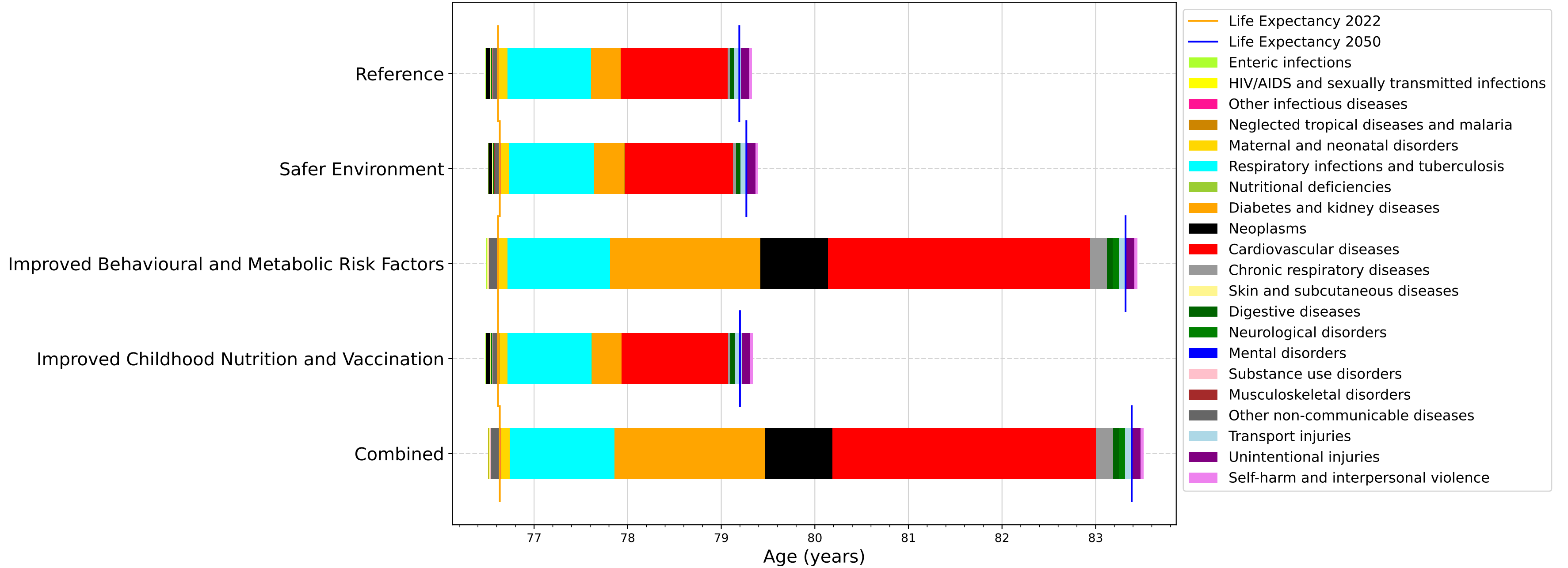




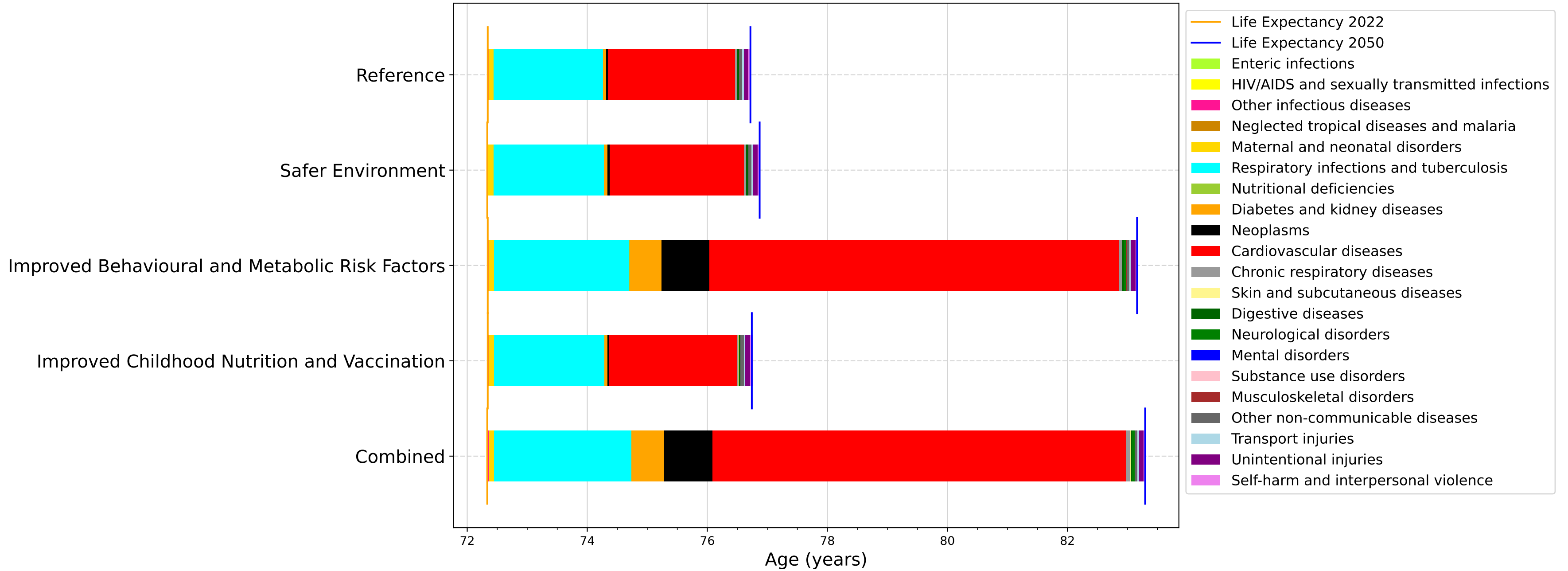


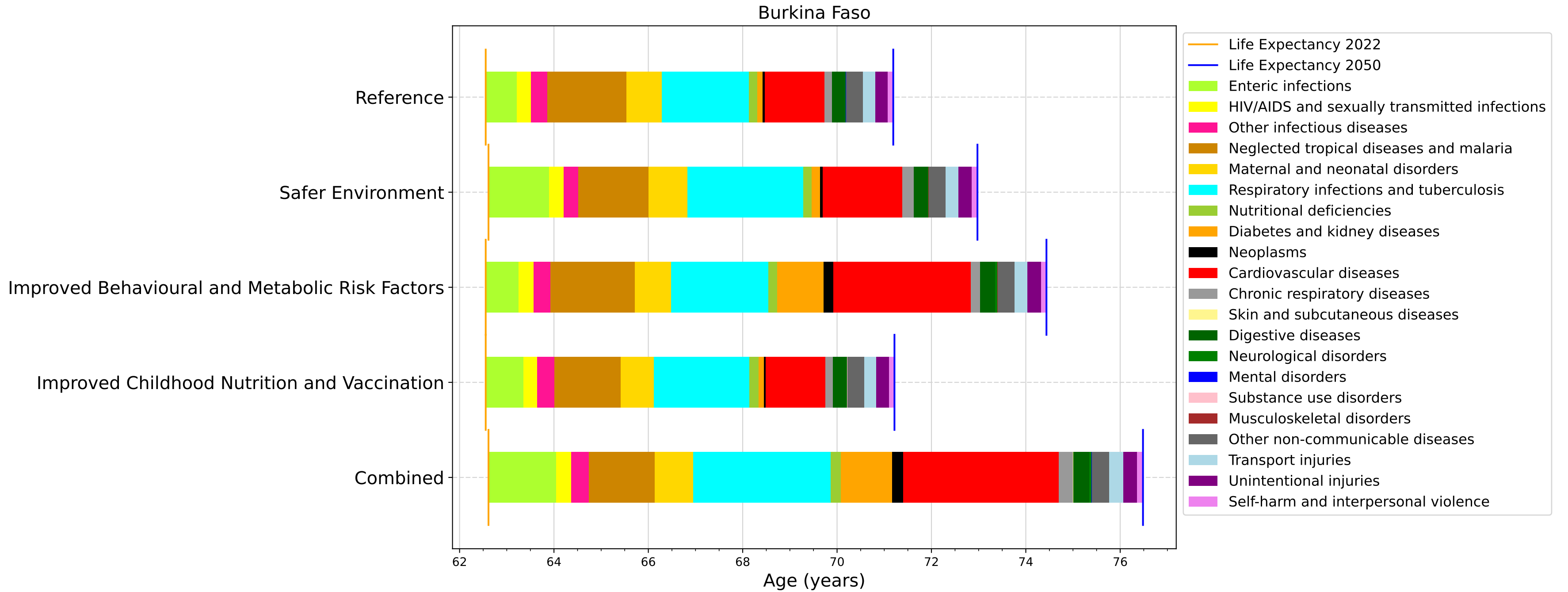


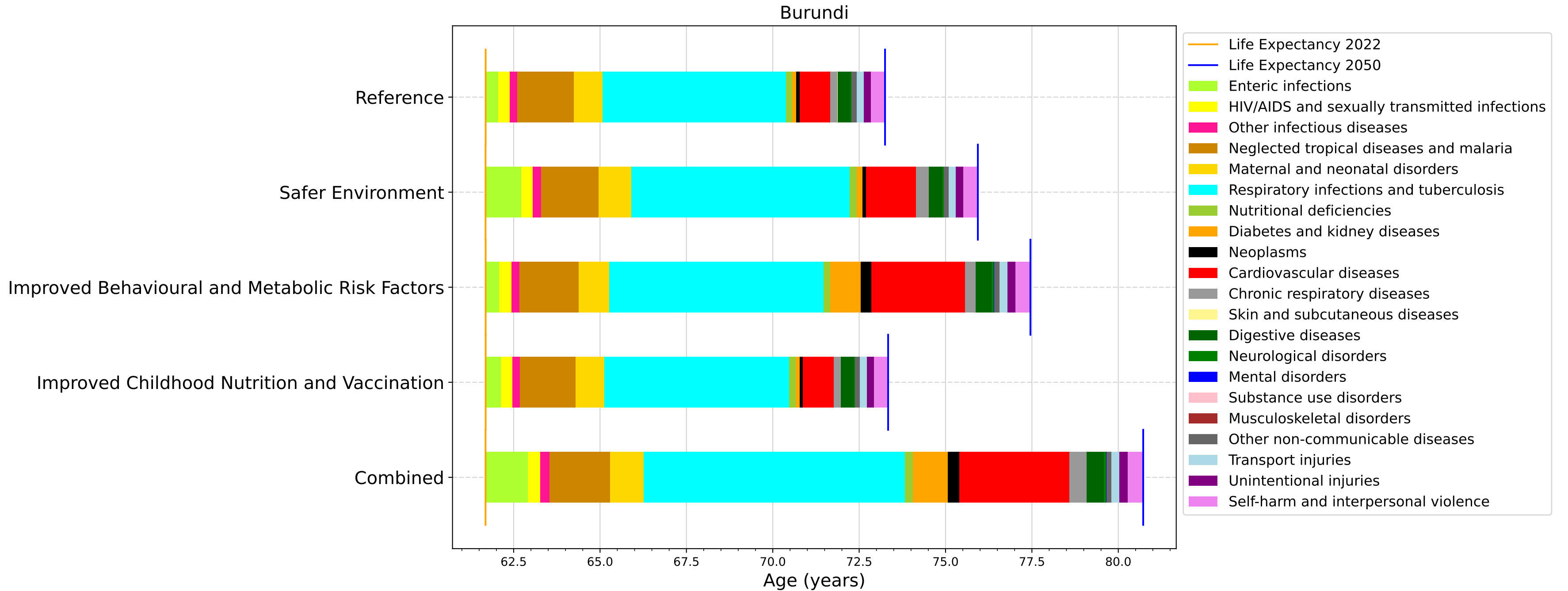
Brunei Darussalam

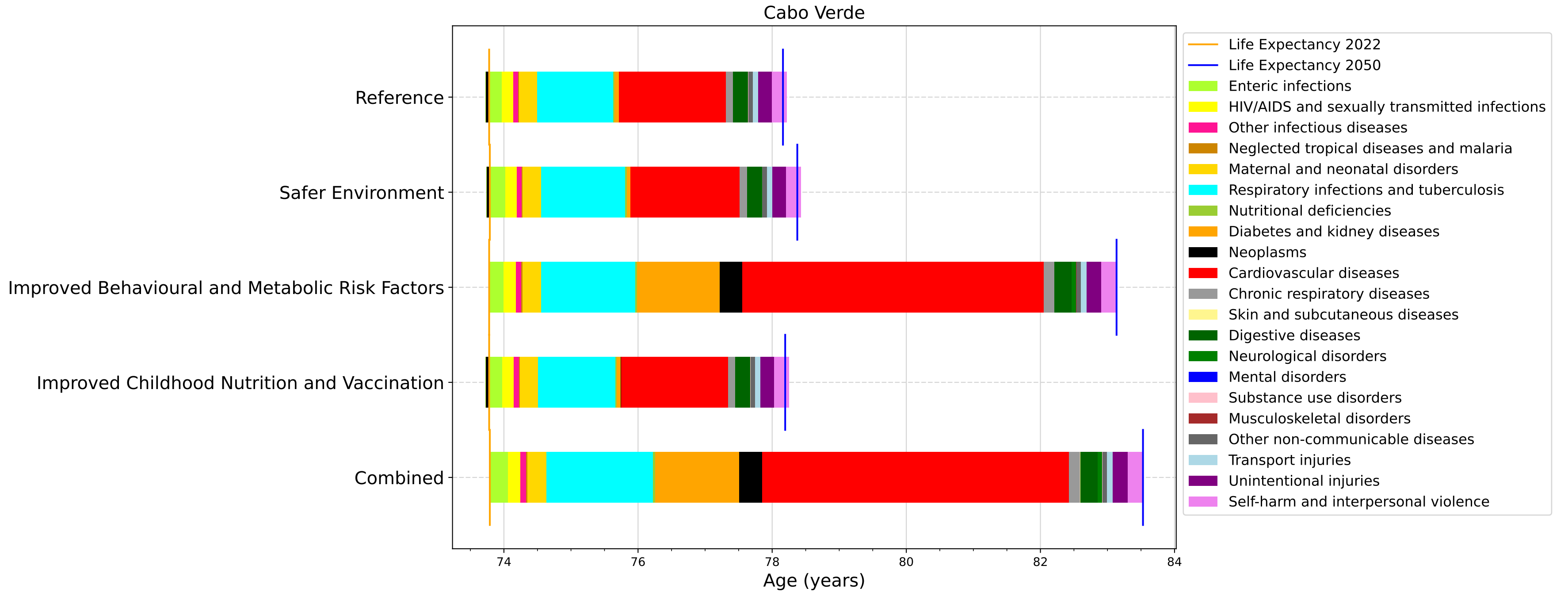


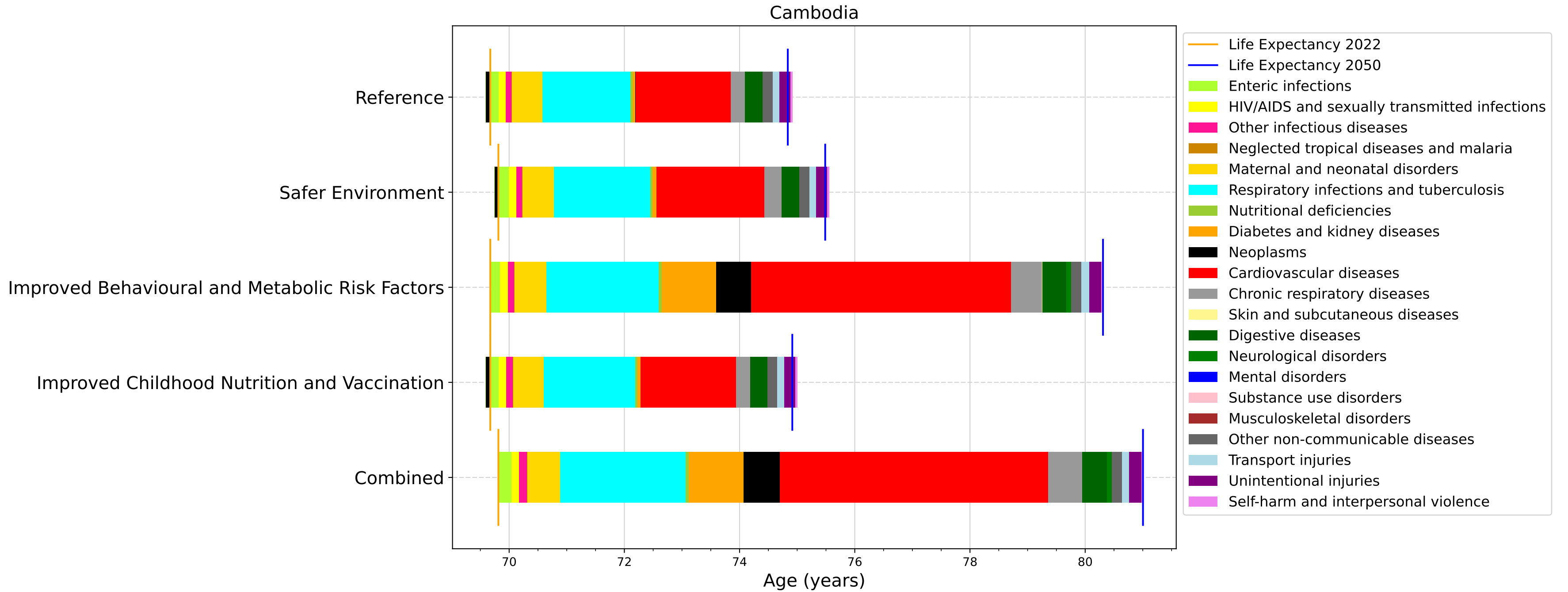
Bulgaria

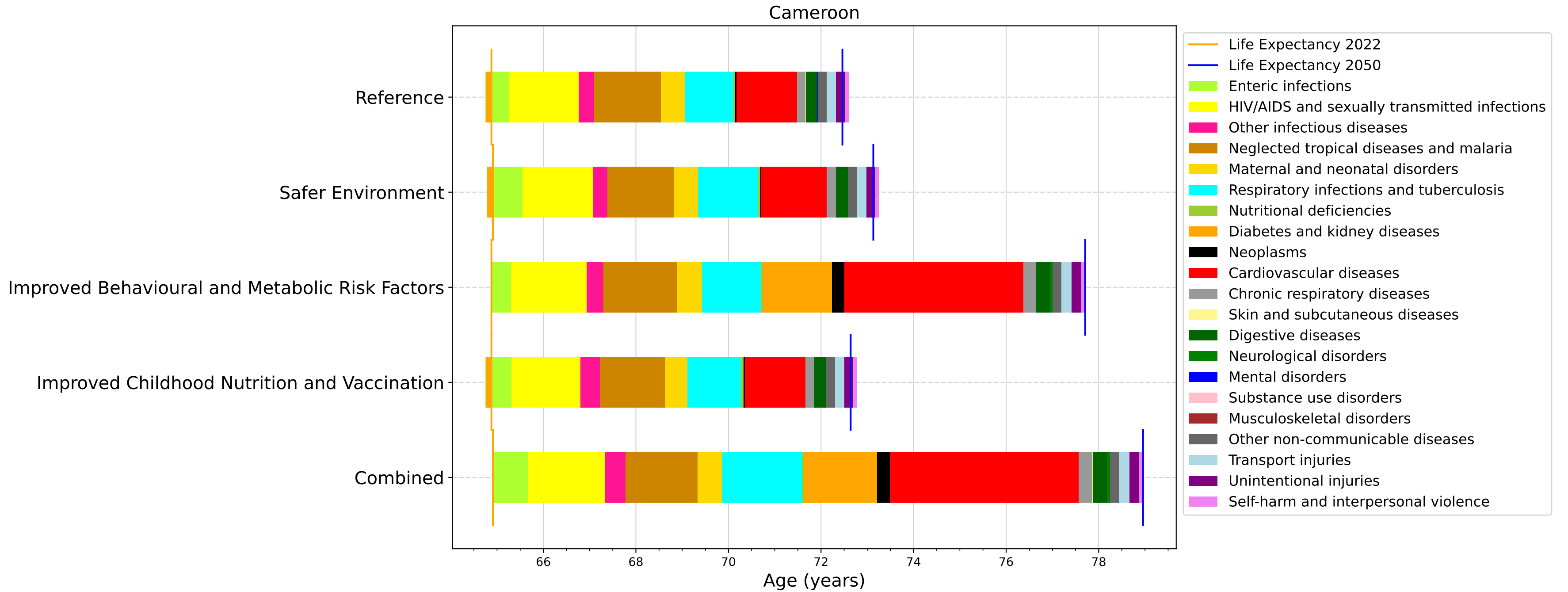




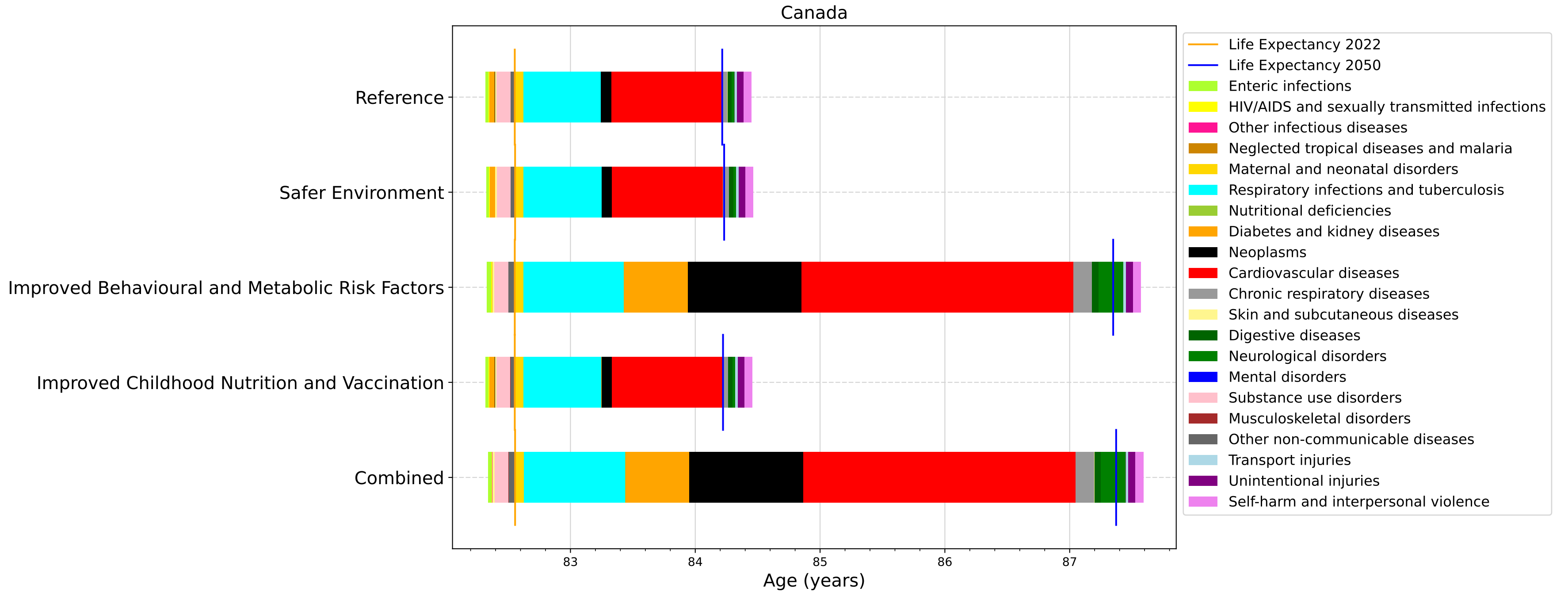


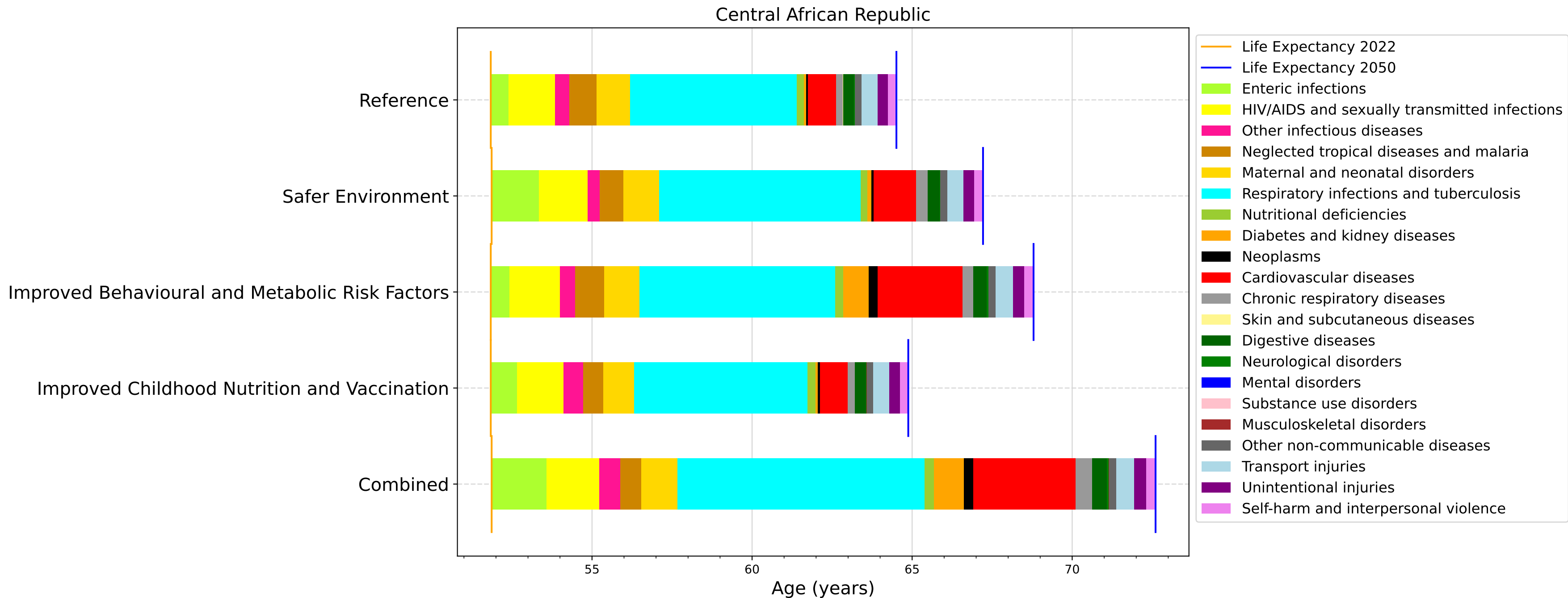


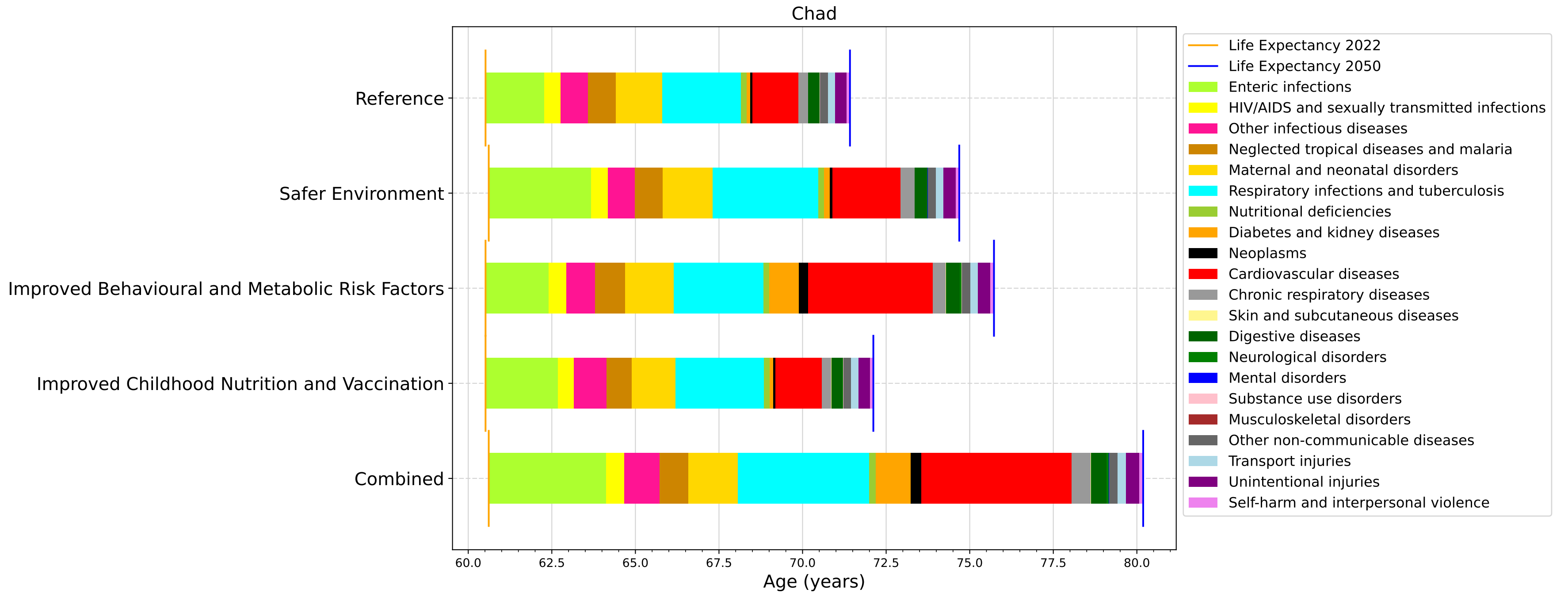


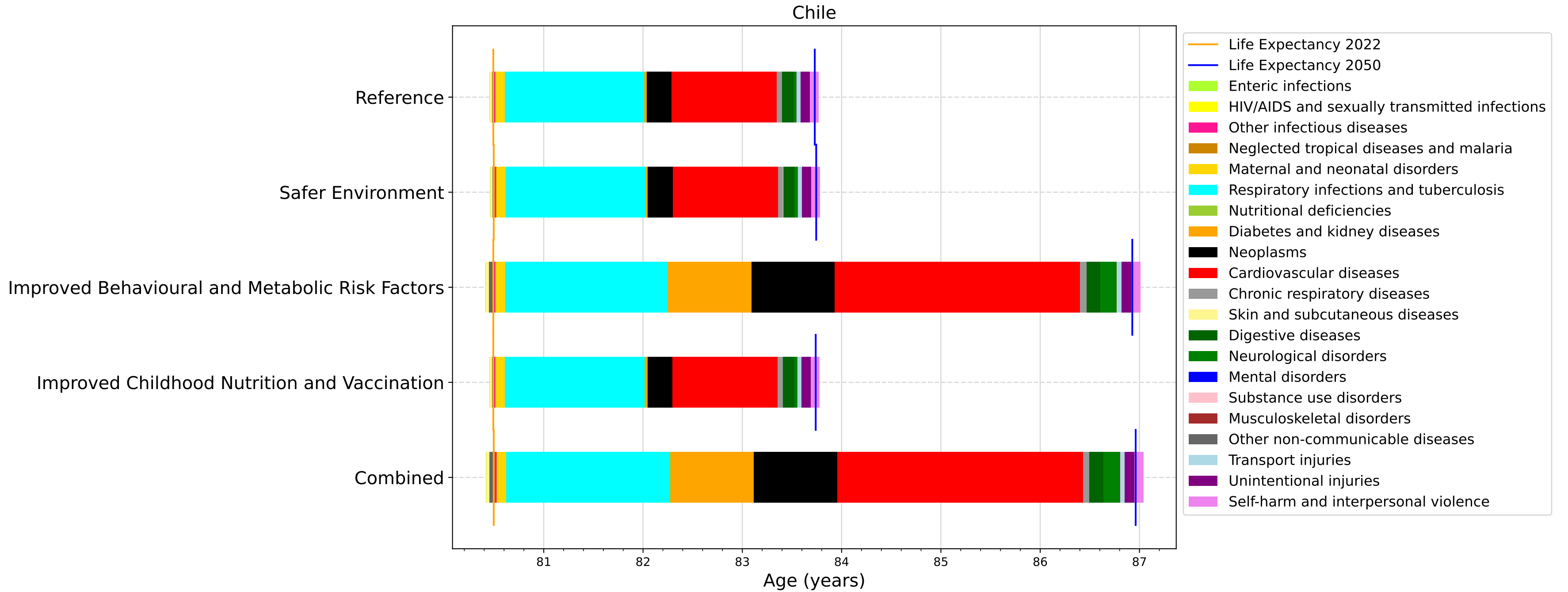


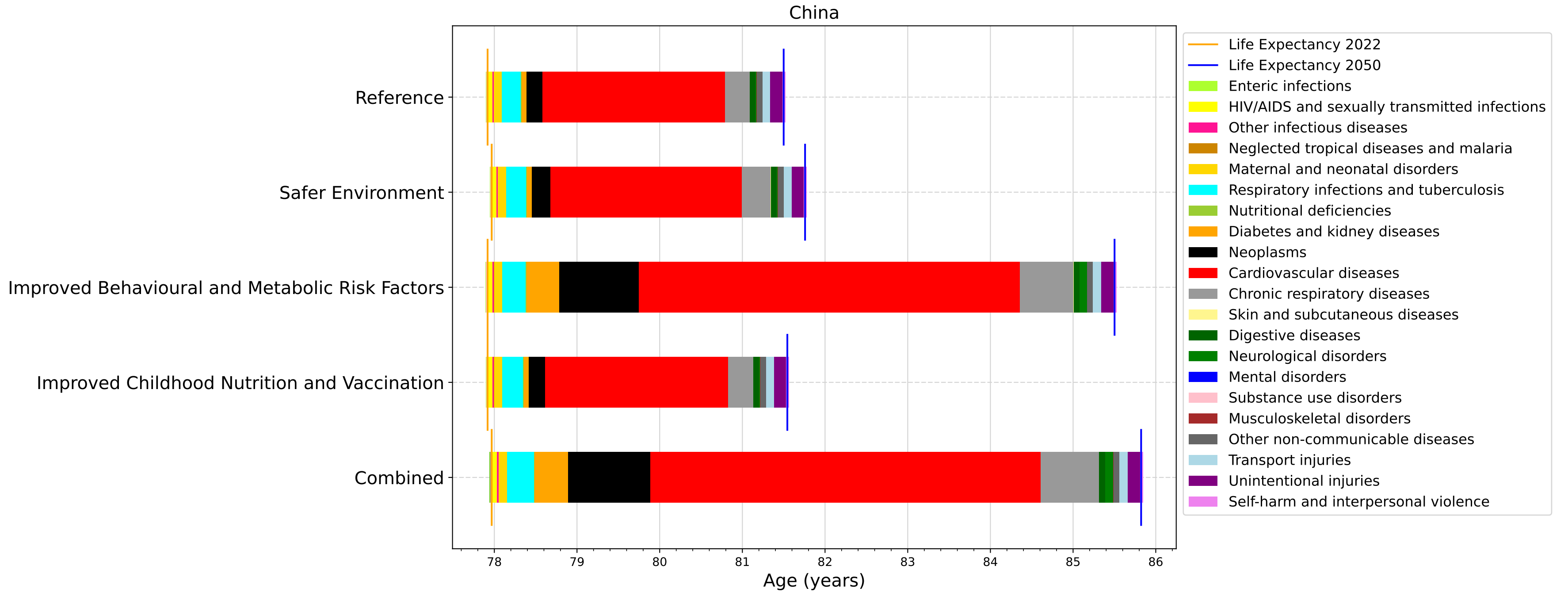


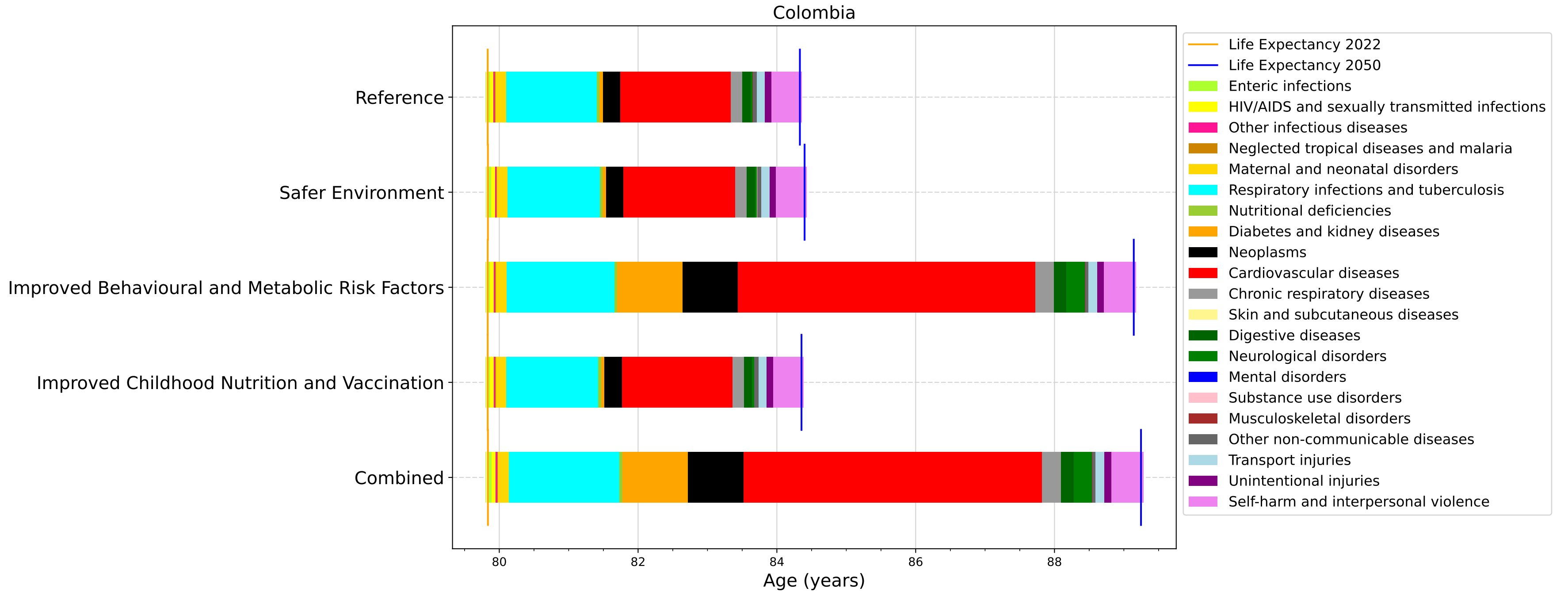


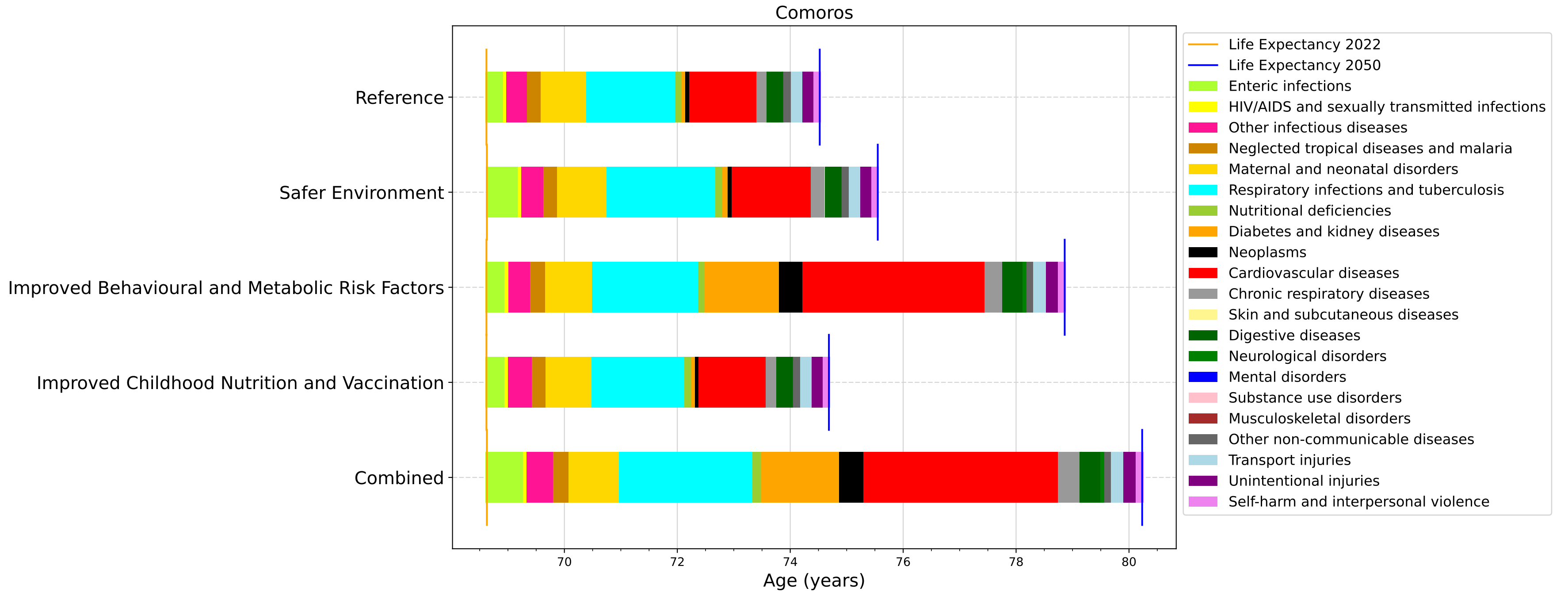


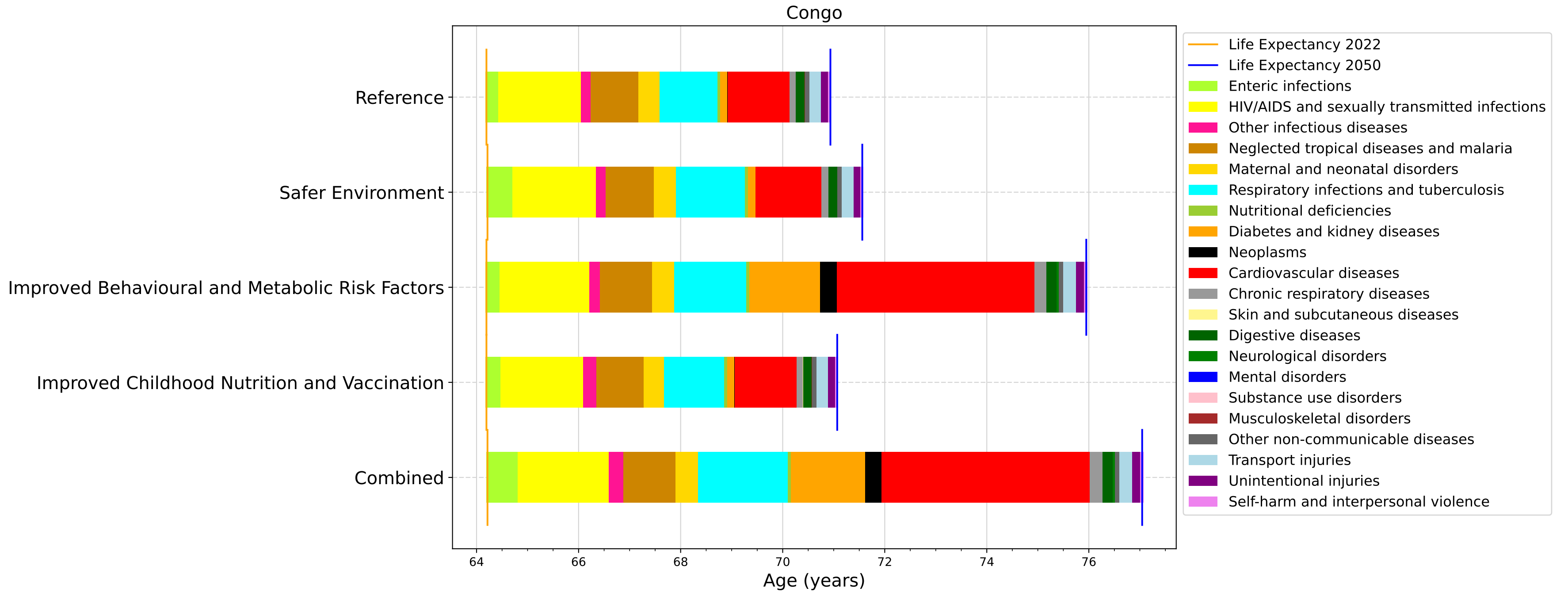






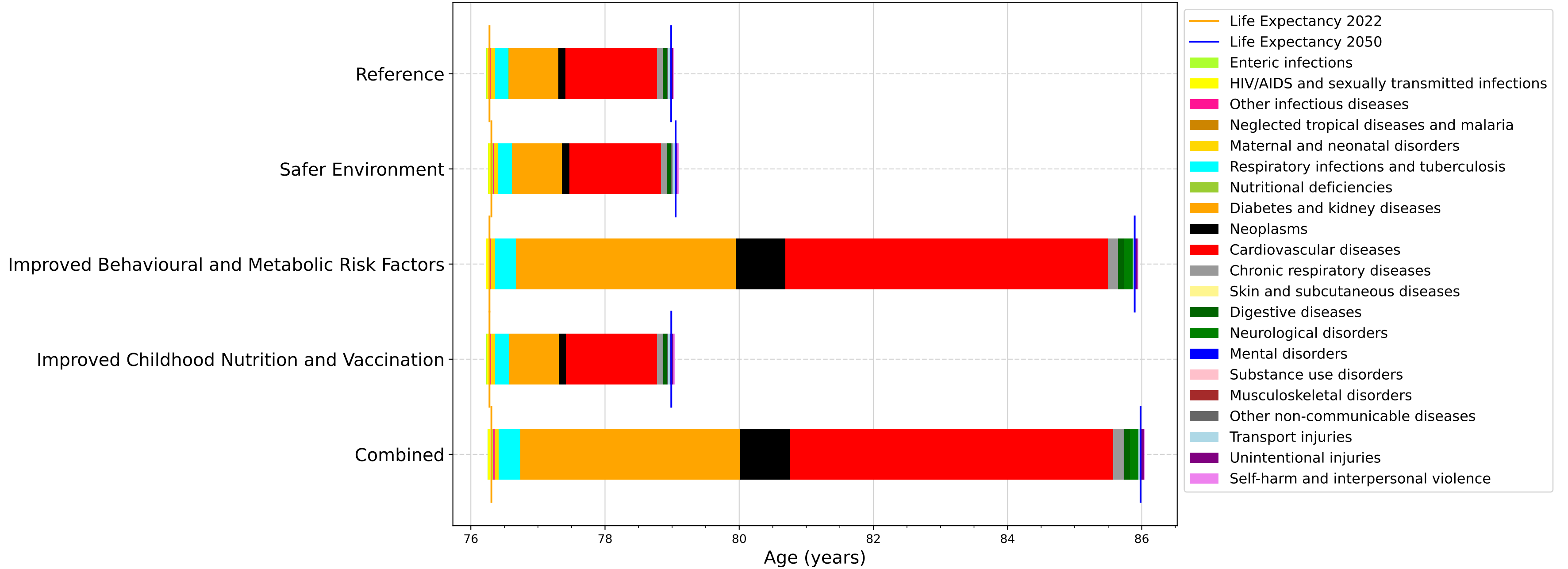


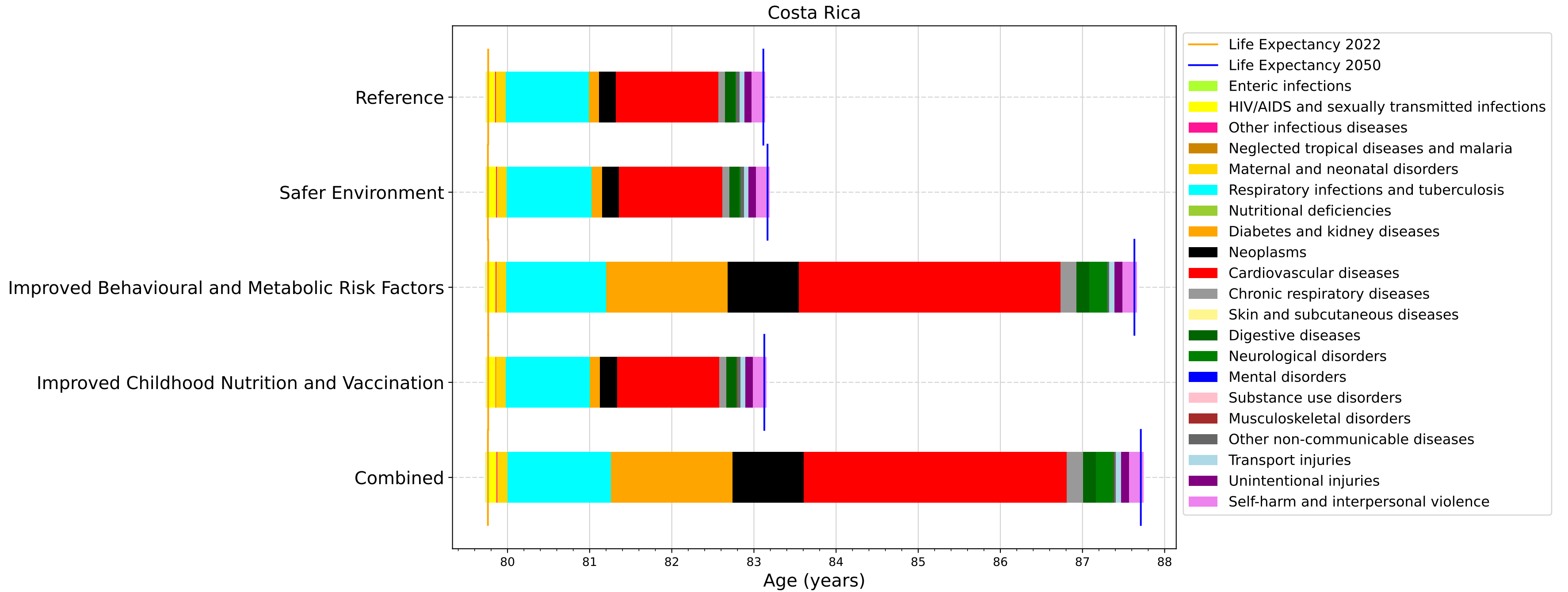


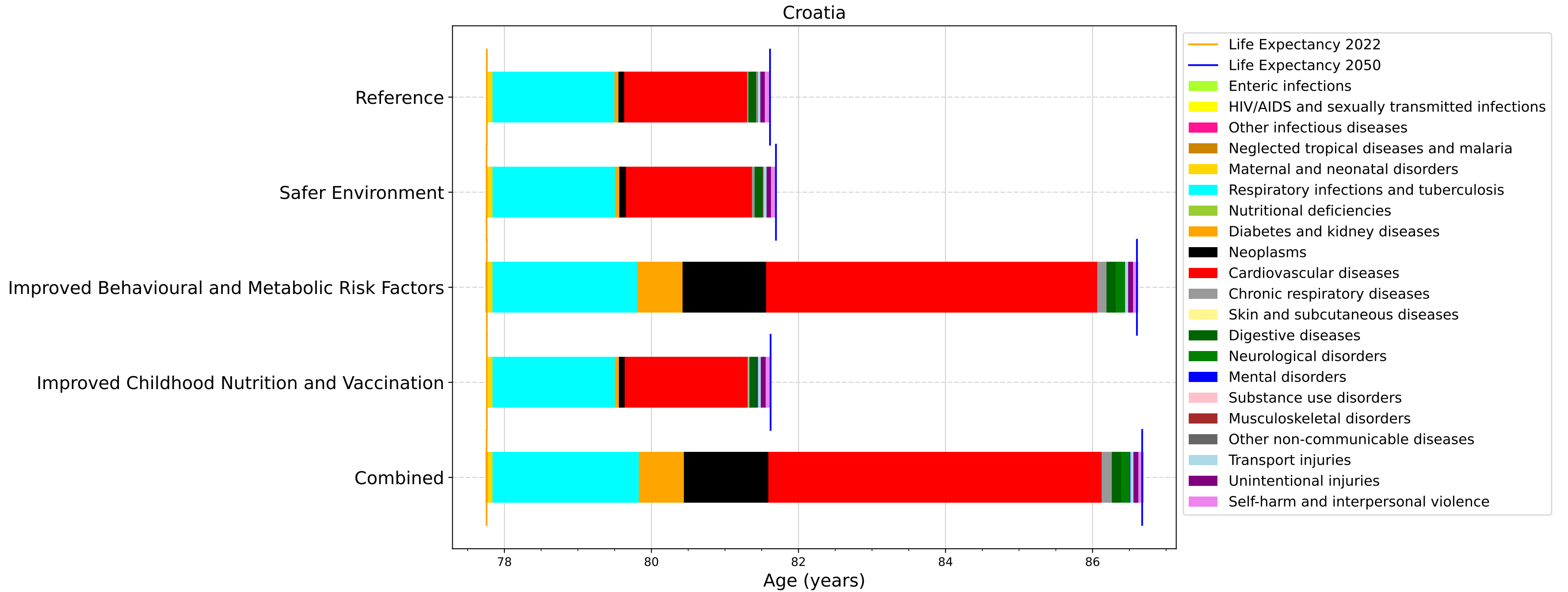


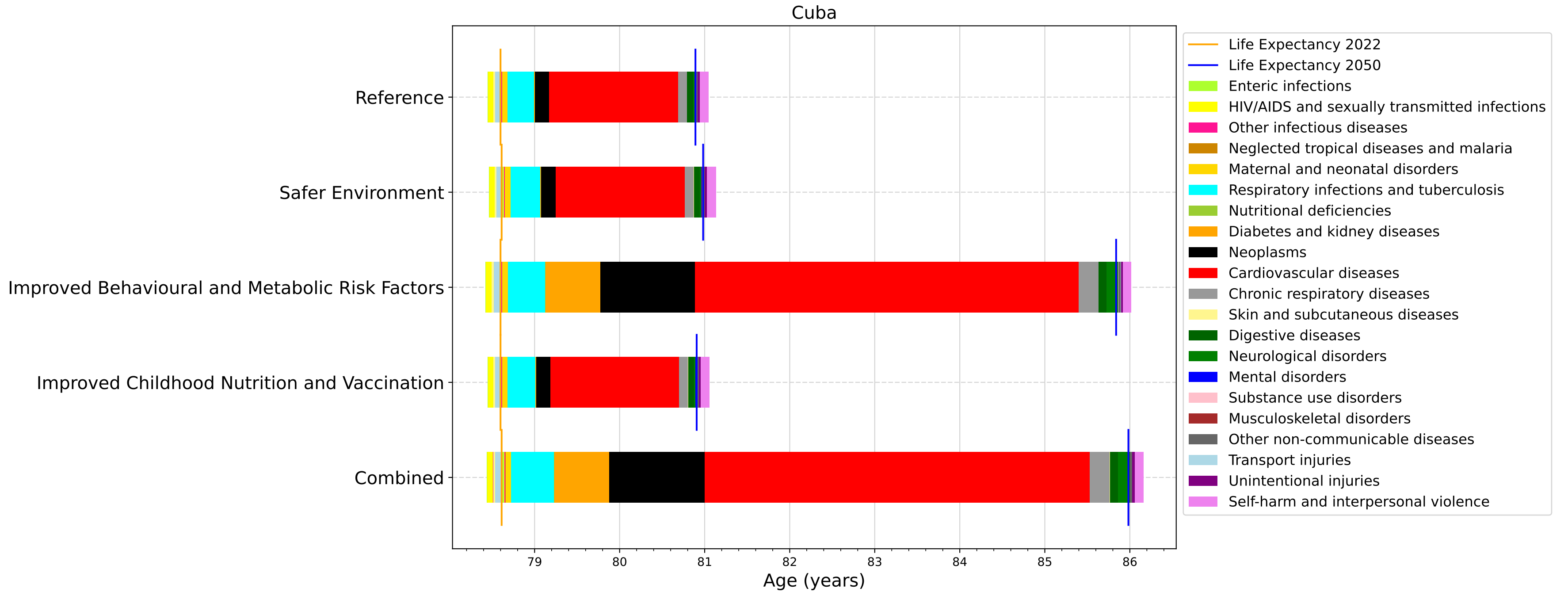


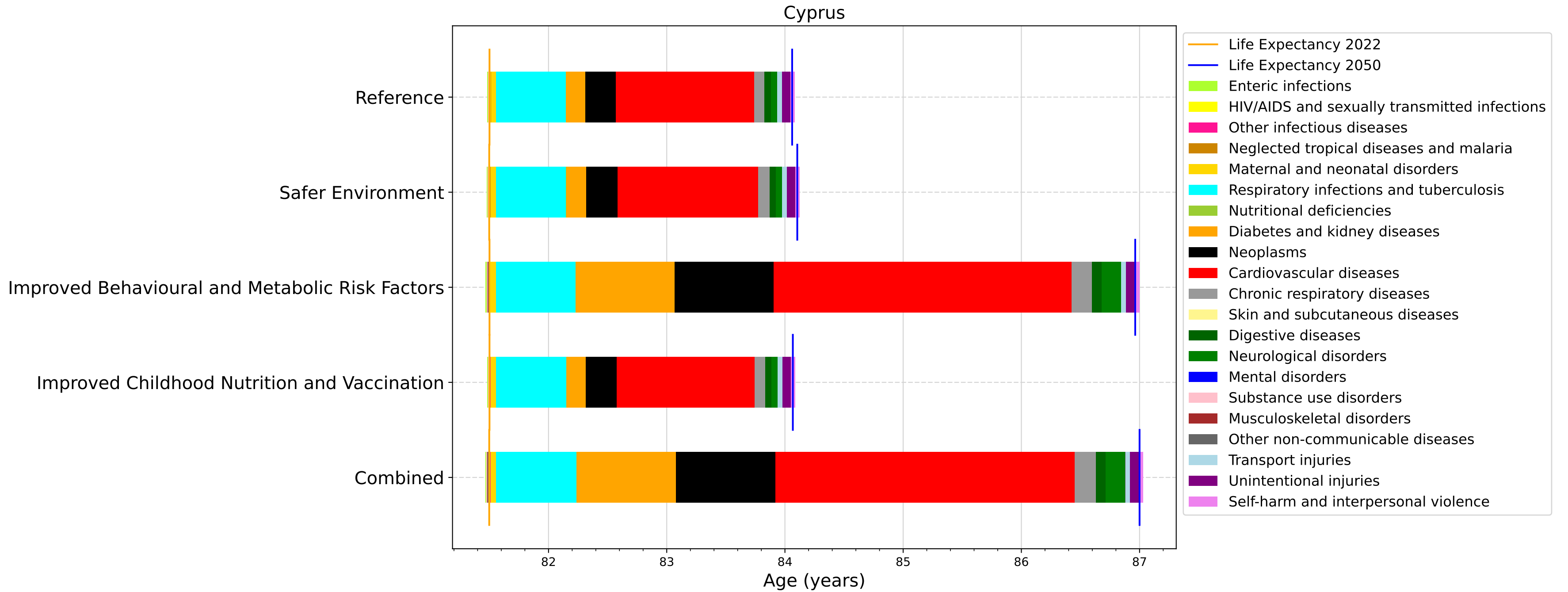
### Cook Islands



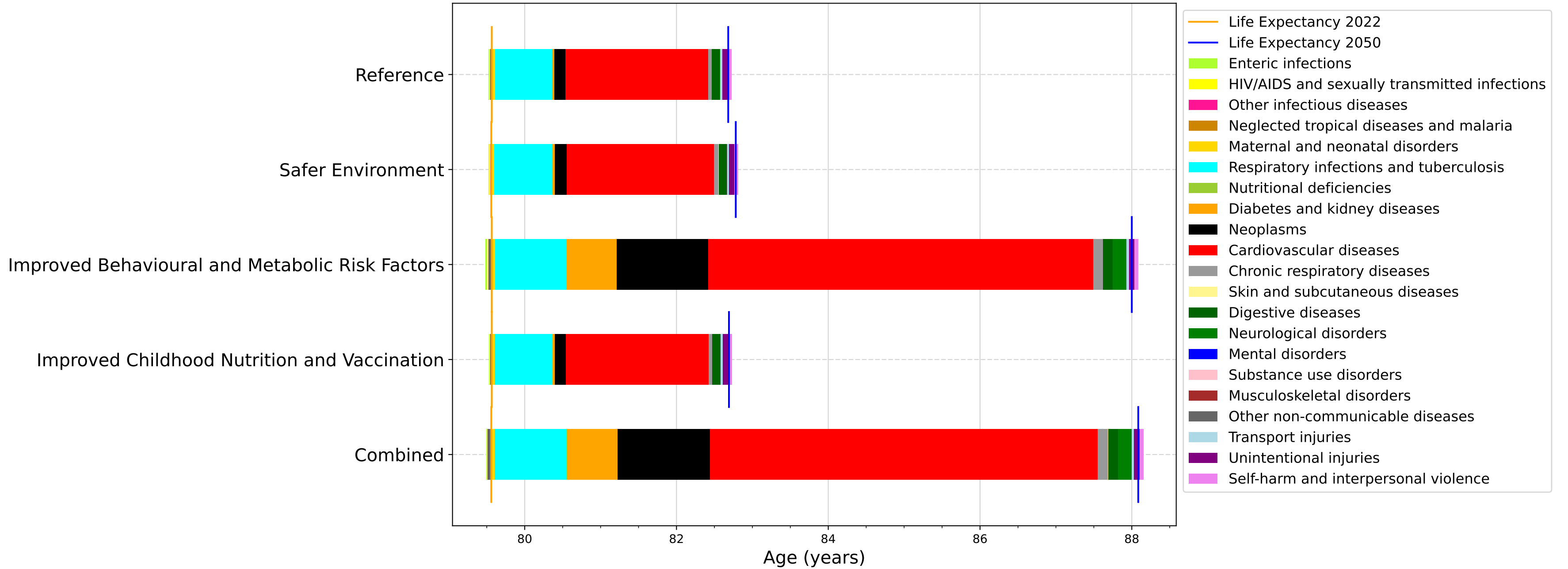


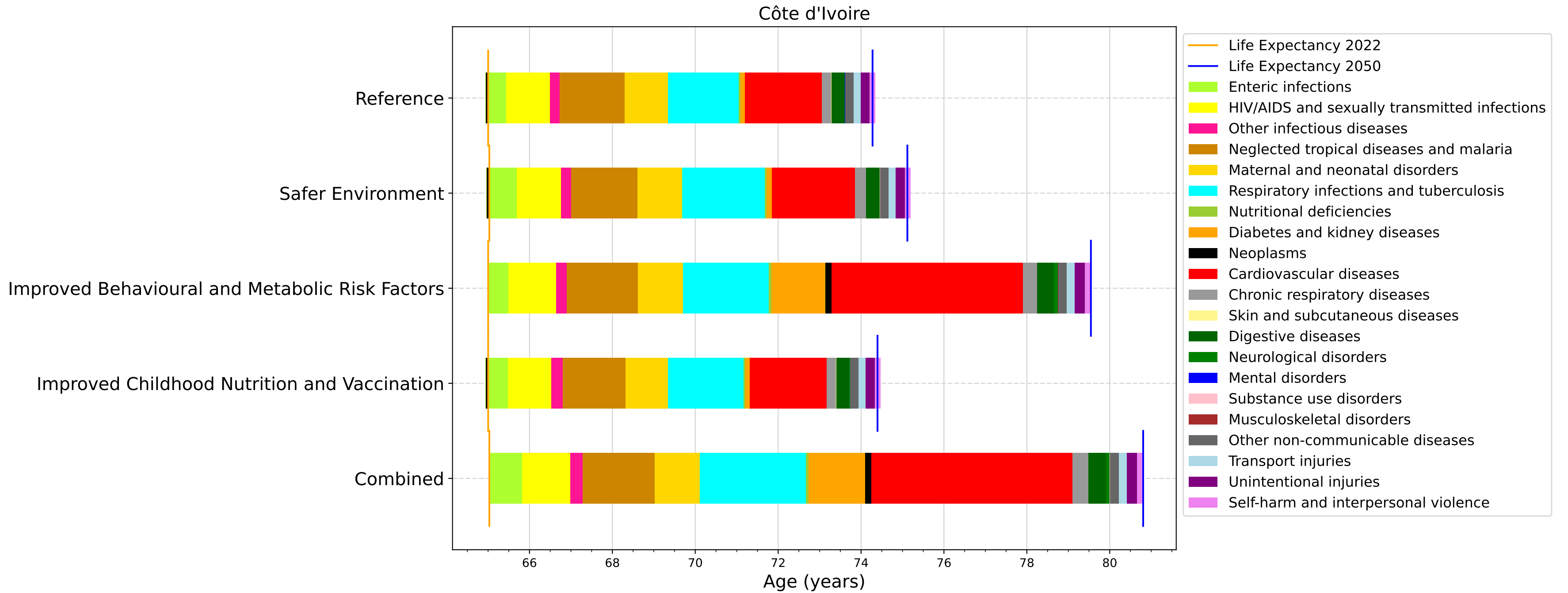




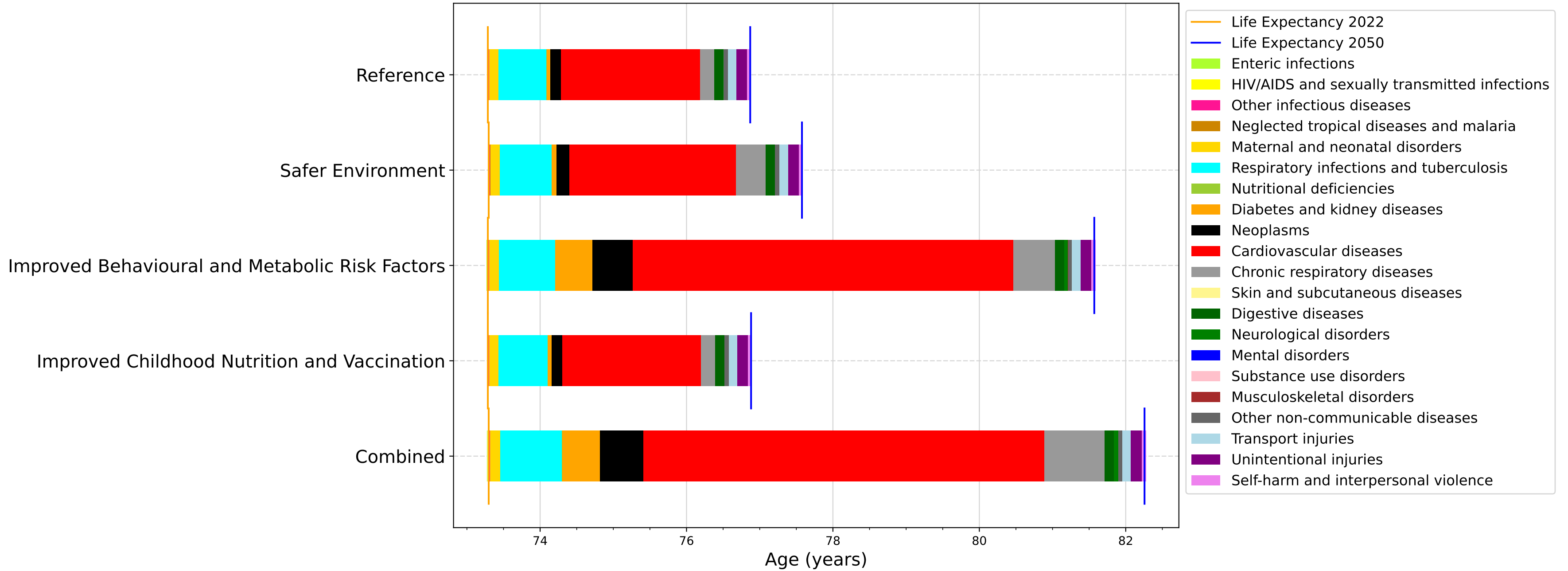


Czechia



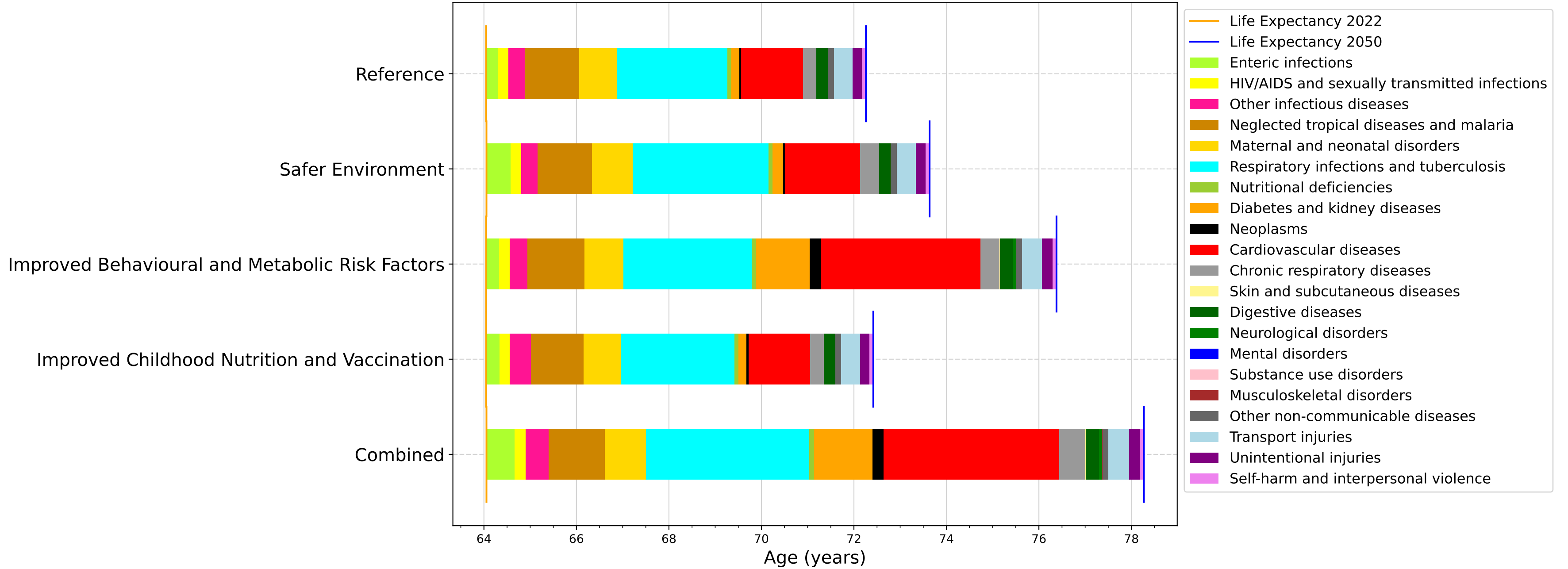


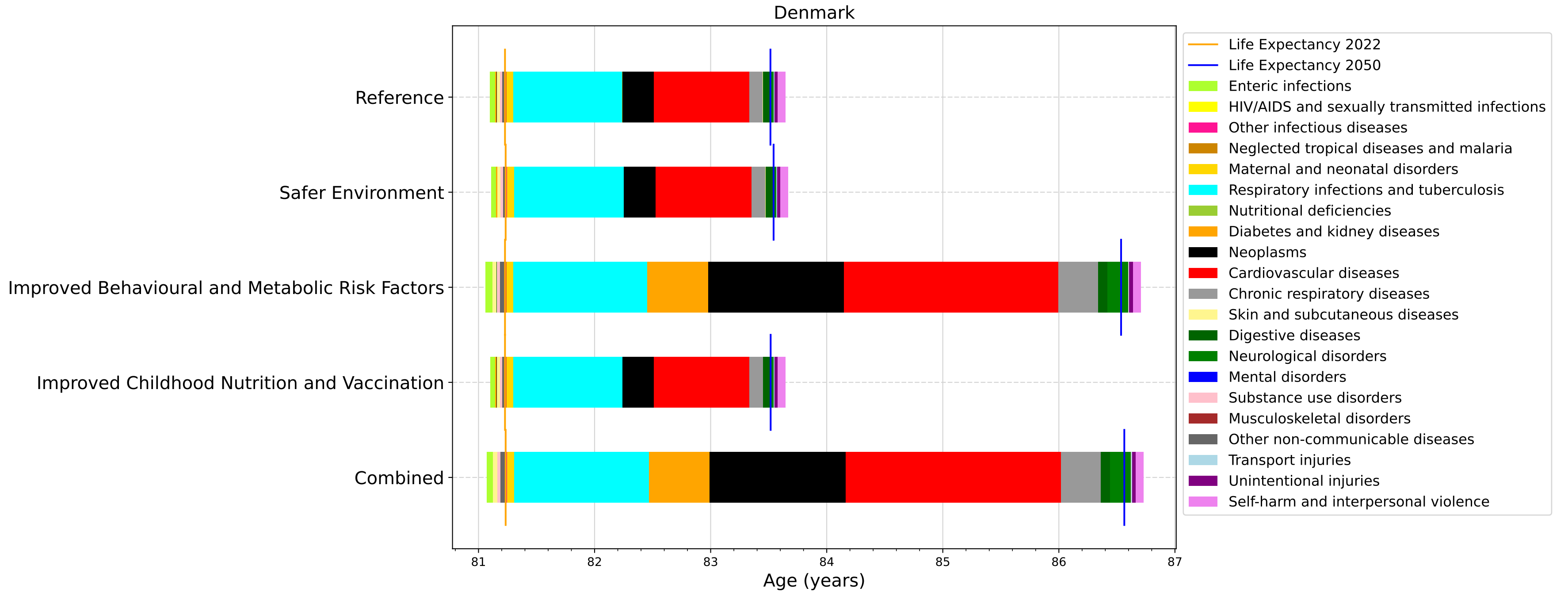
### North Korea

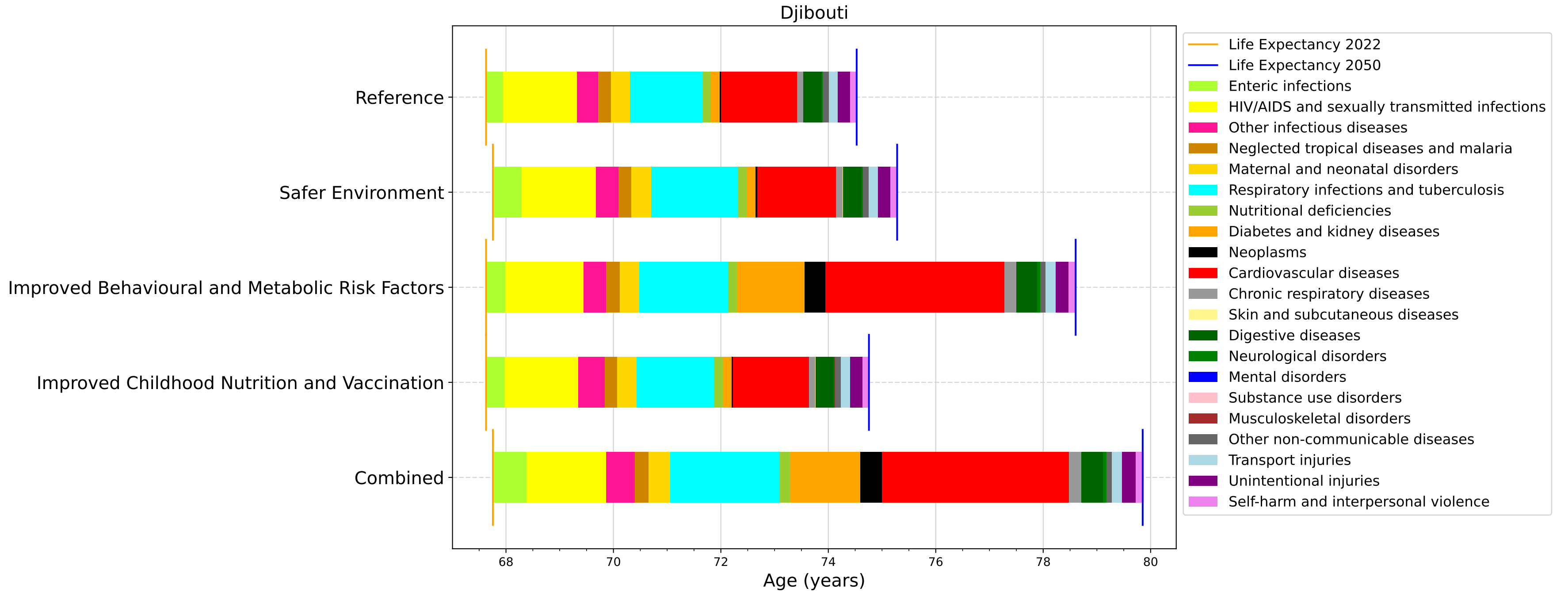


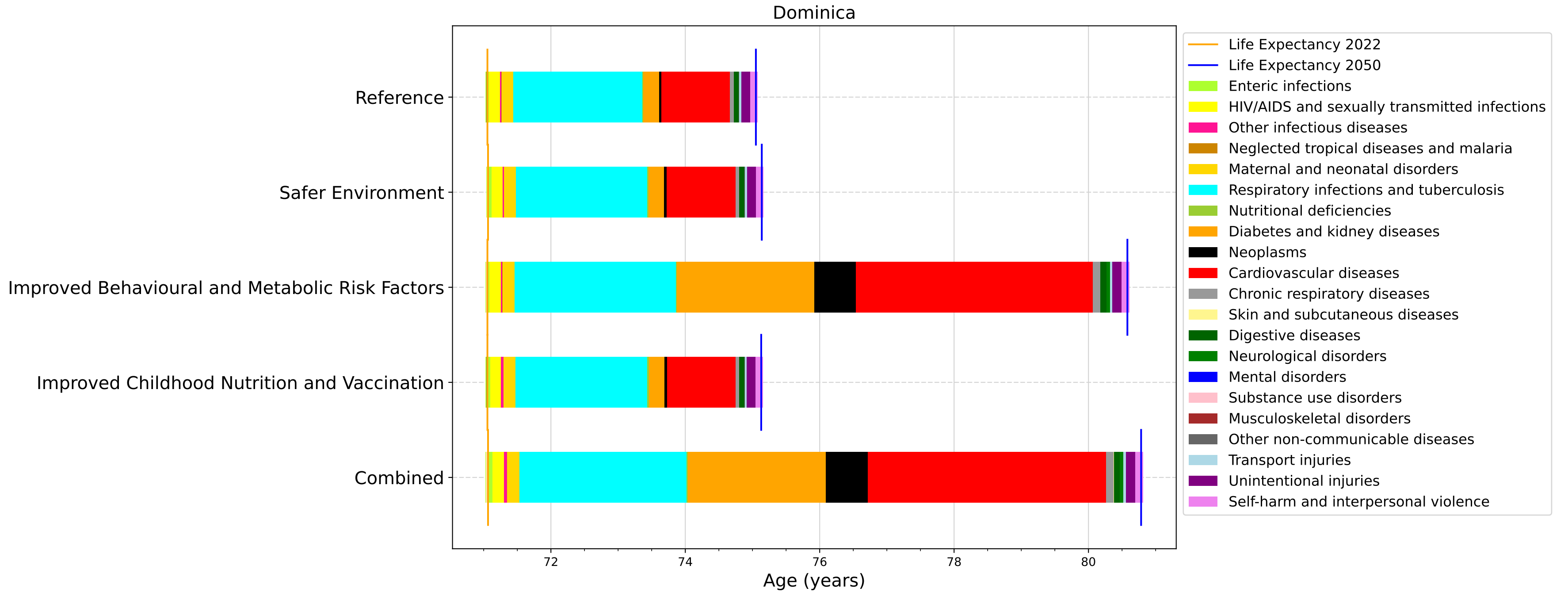


### DR Congo

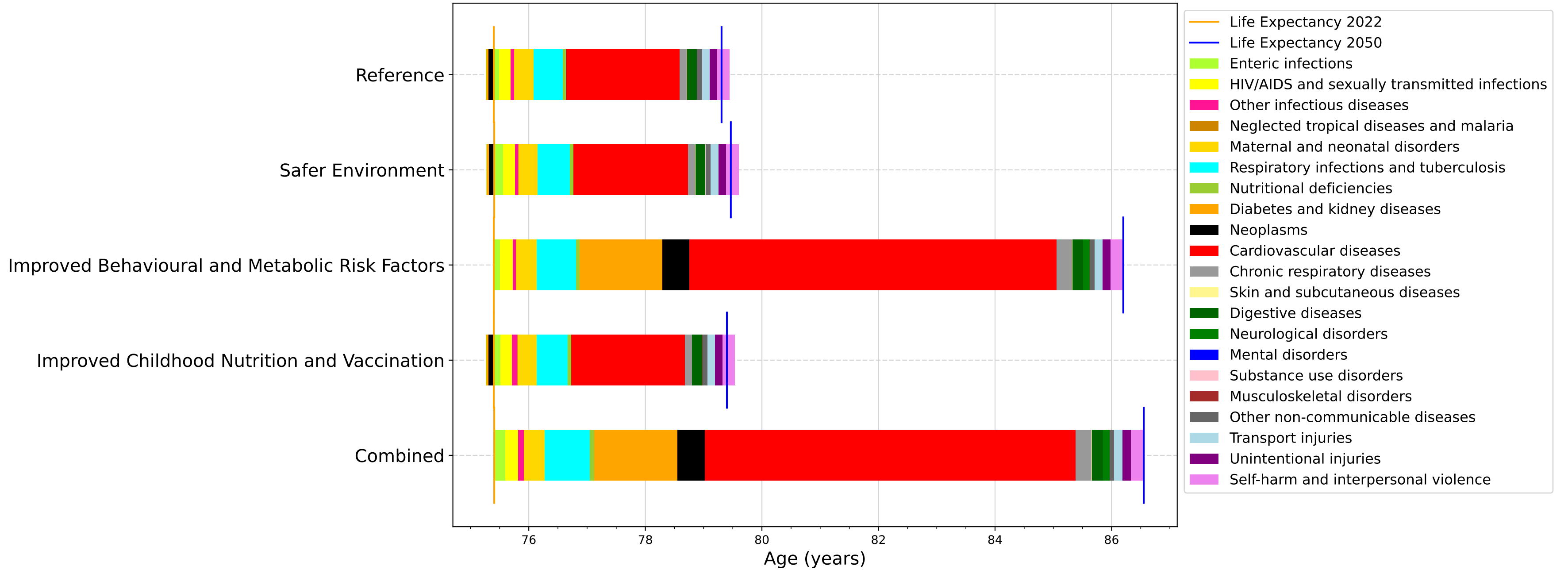


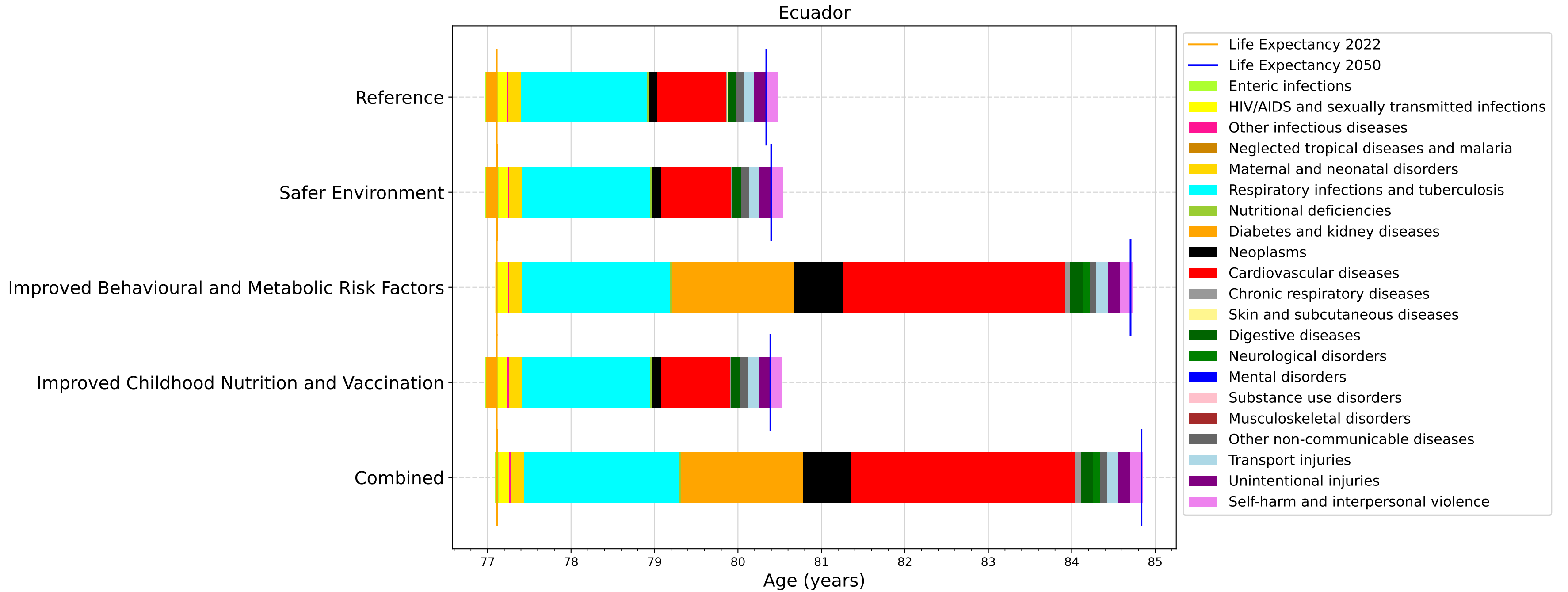


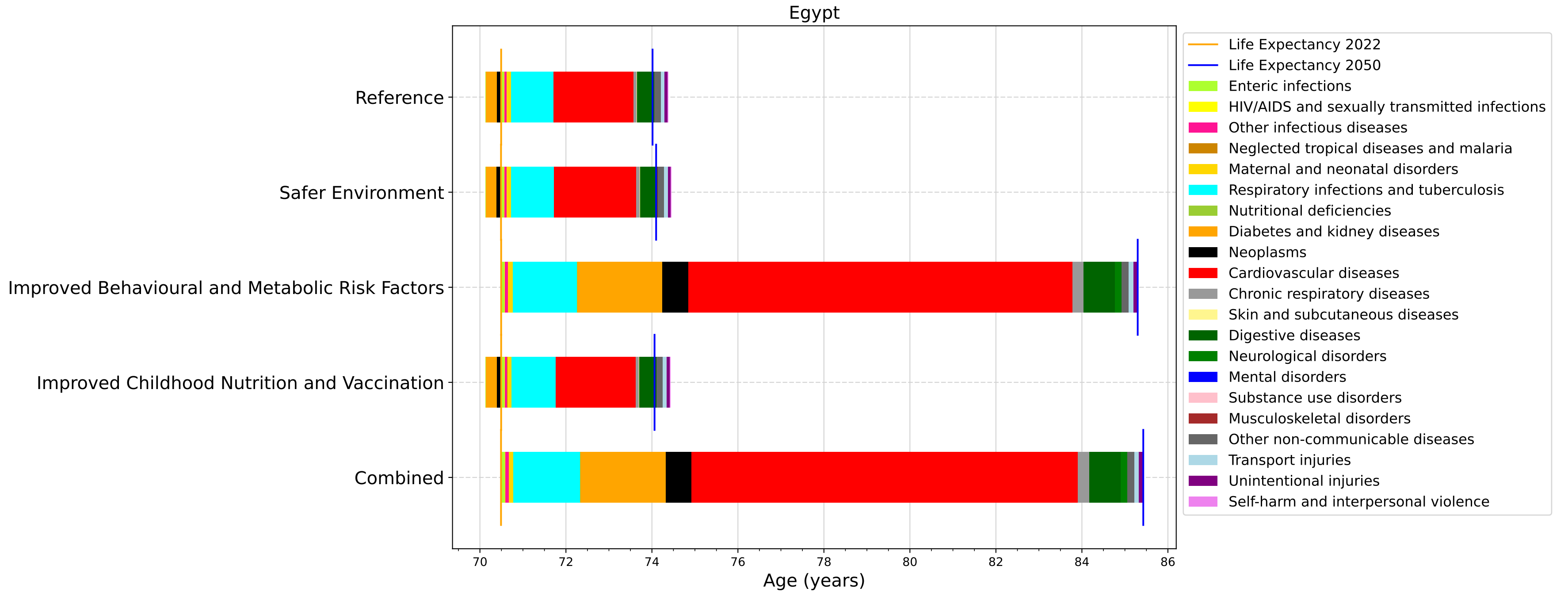




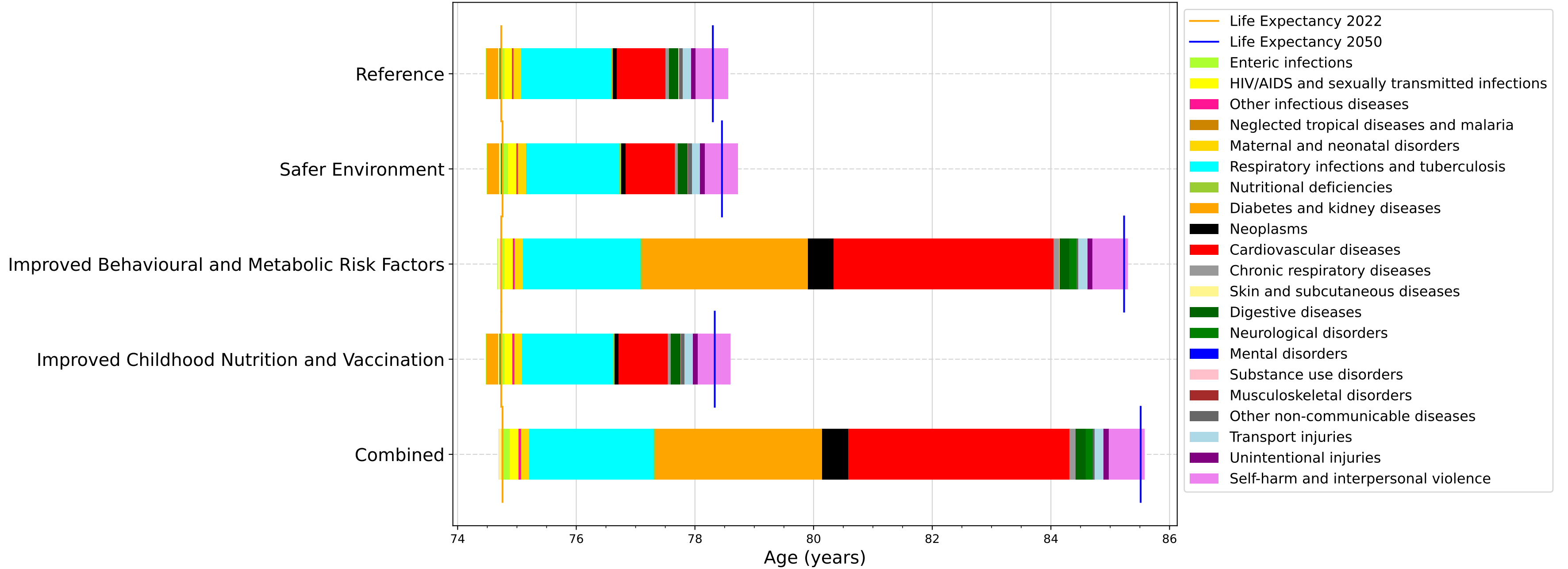
### Dominican Republic





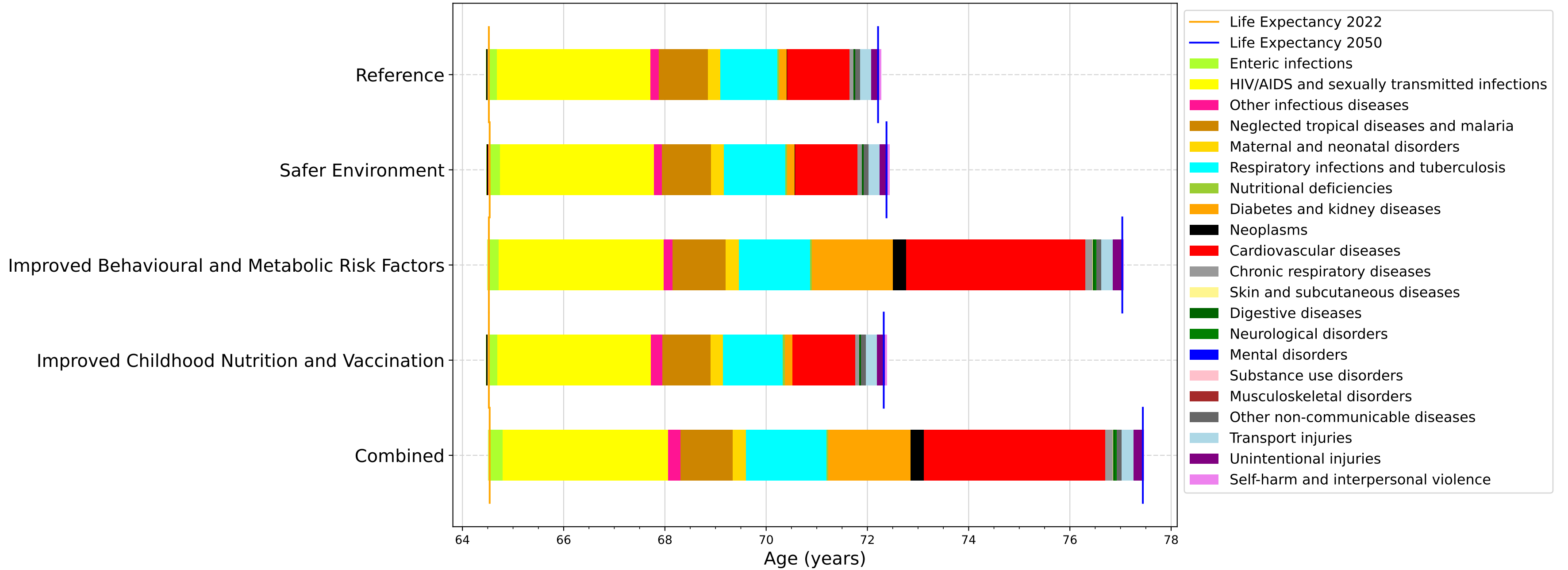


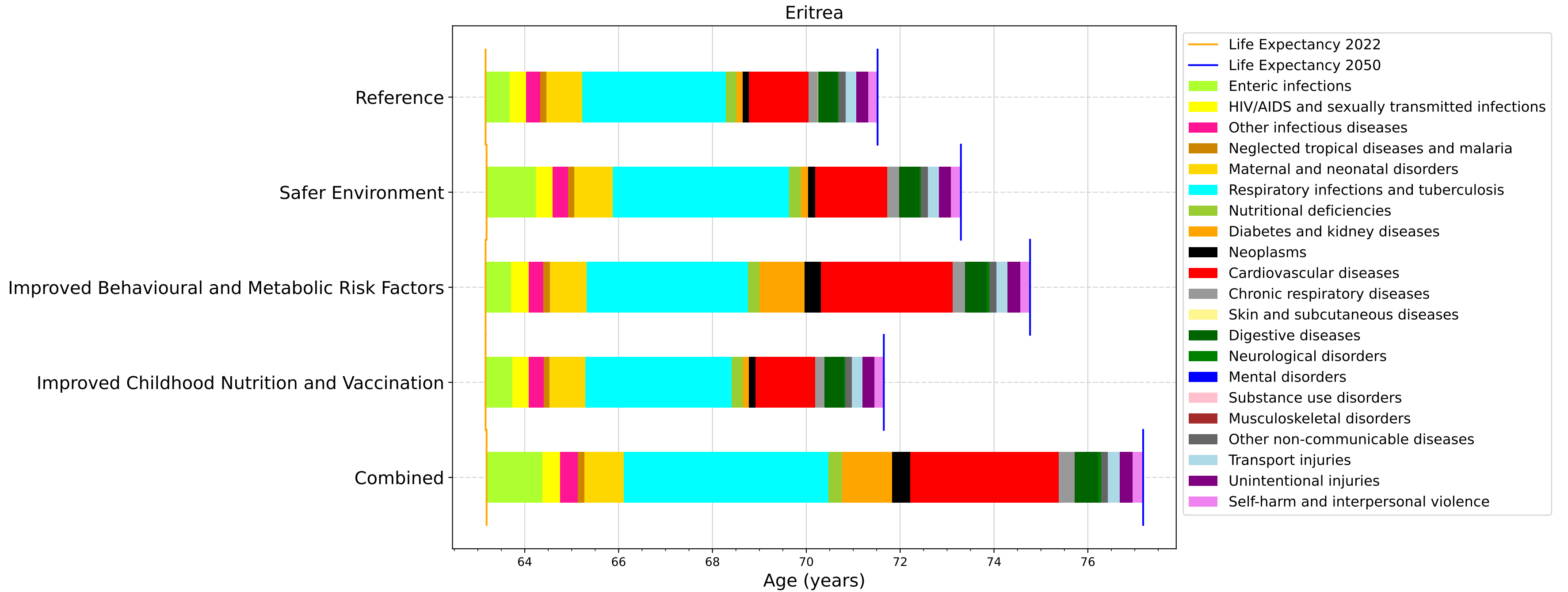
El Salvador

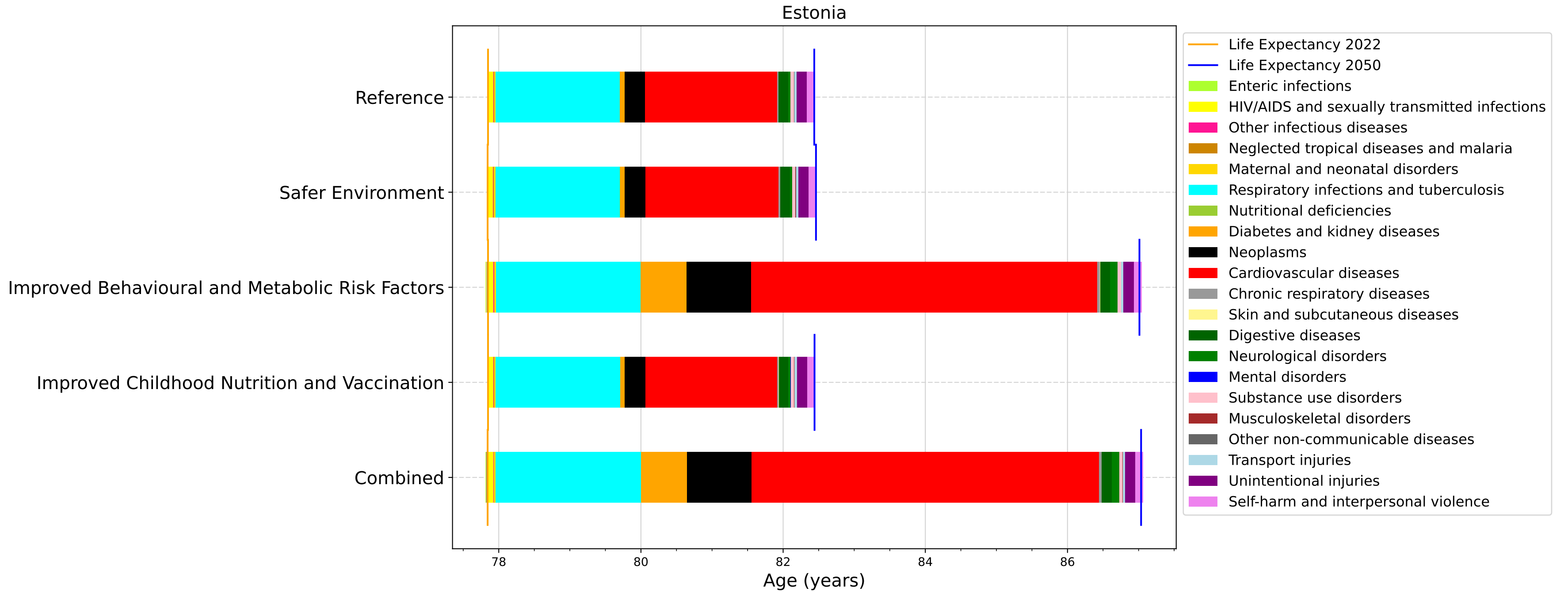




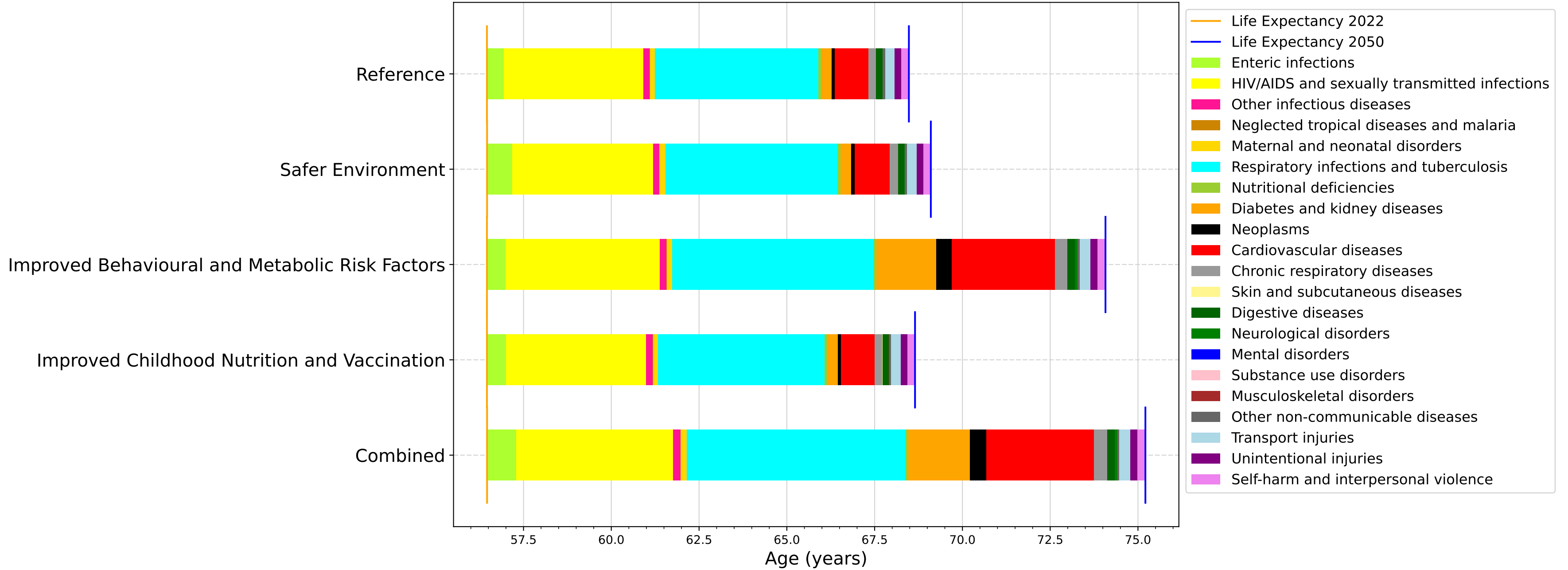
### Equatorial Guinea

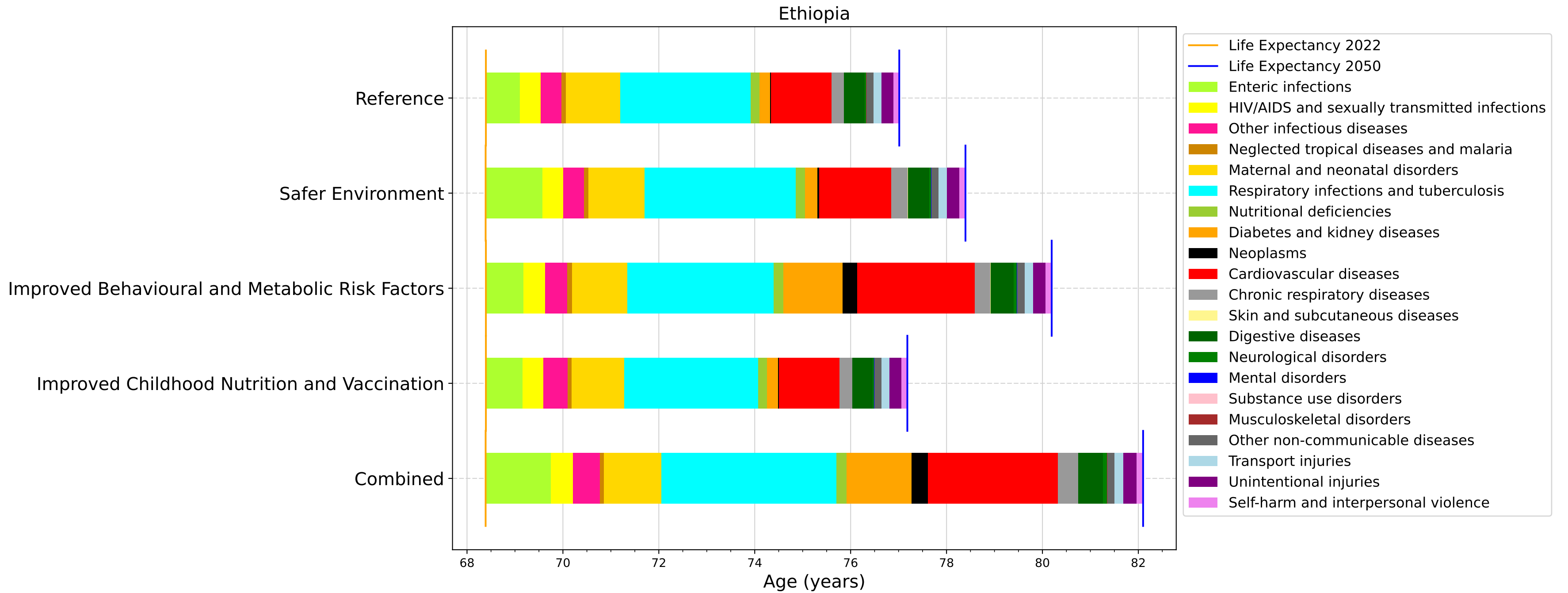


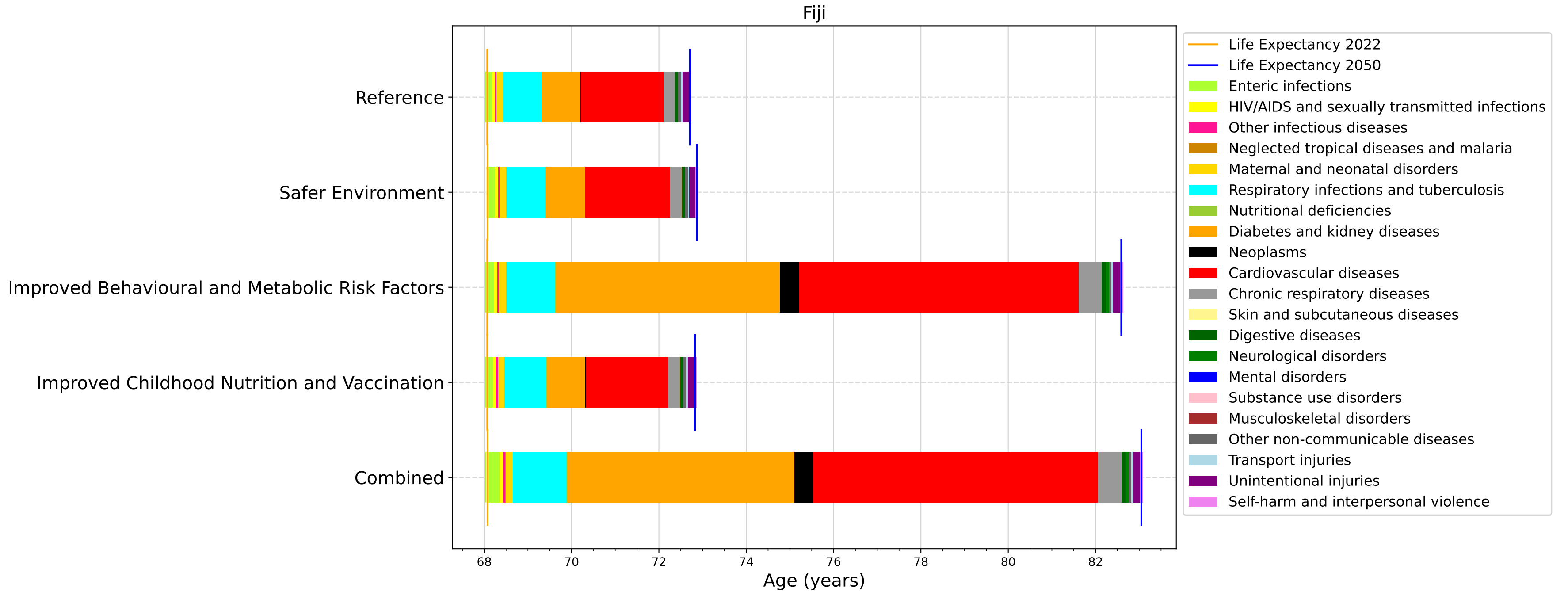


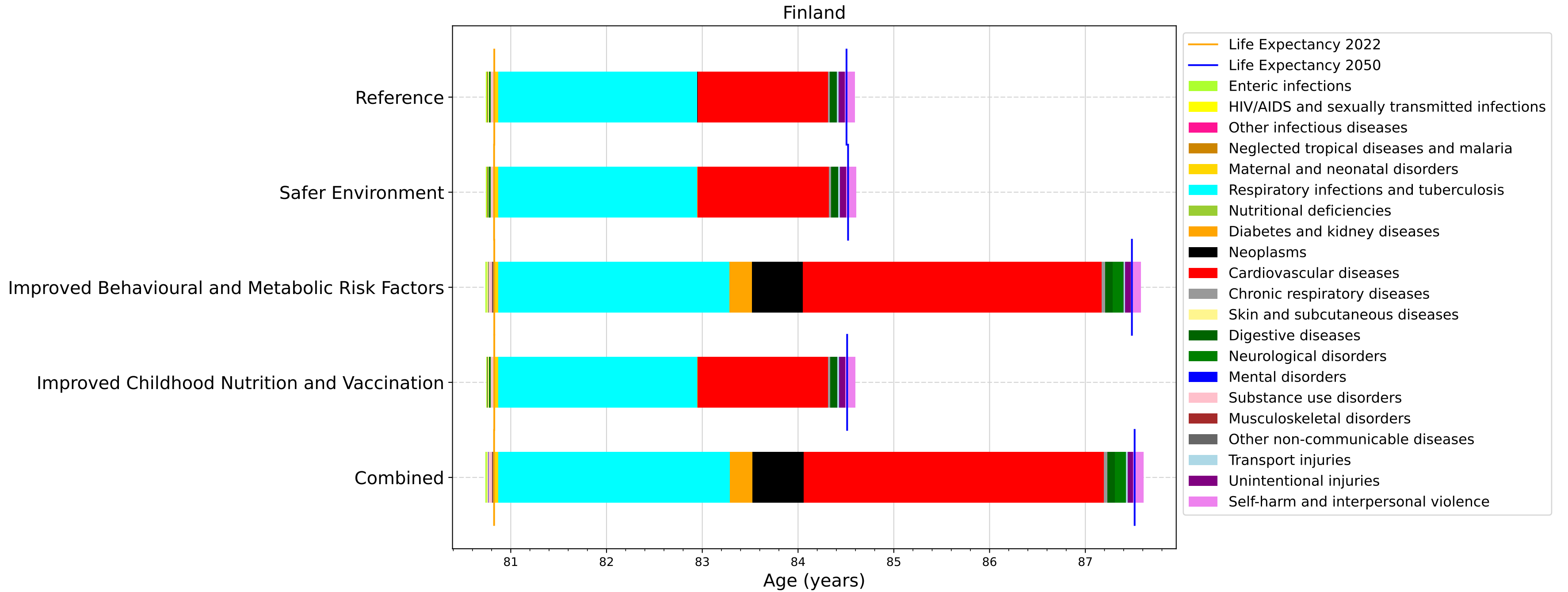


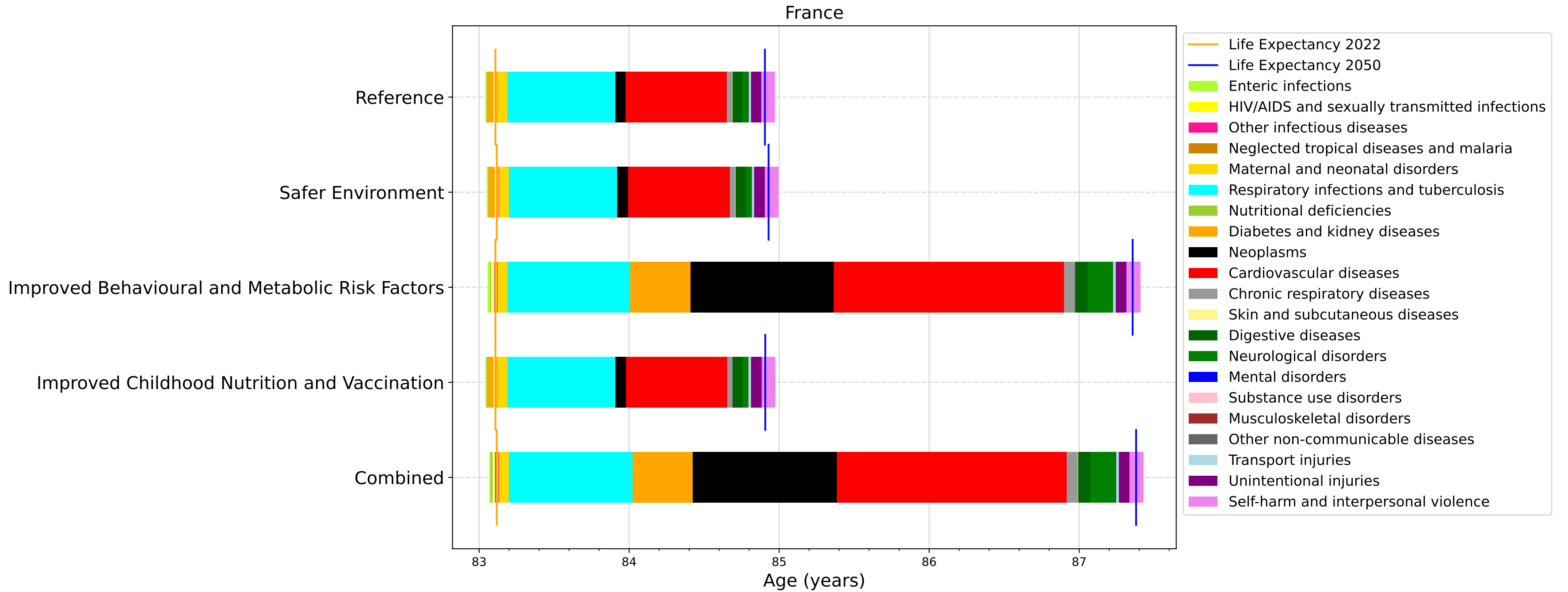
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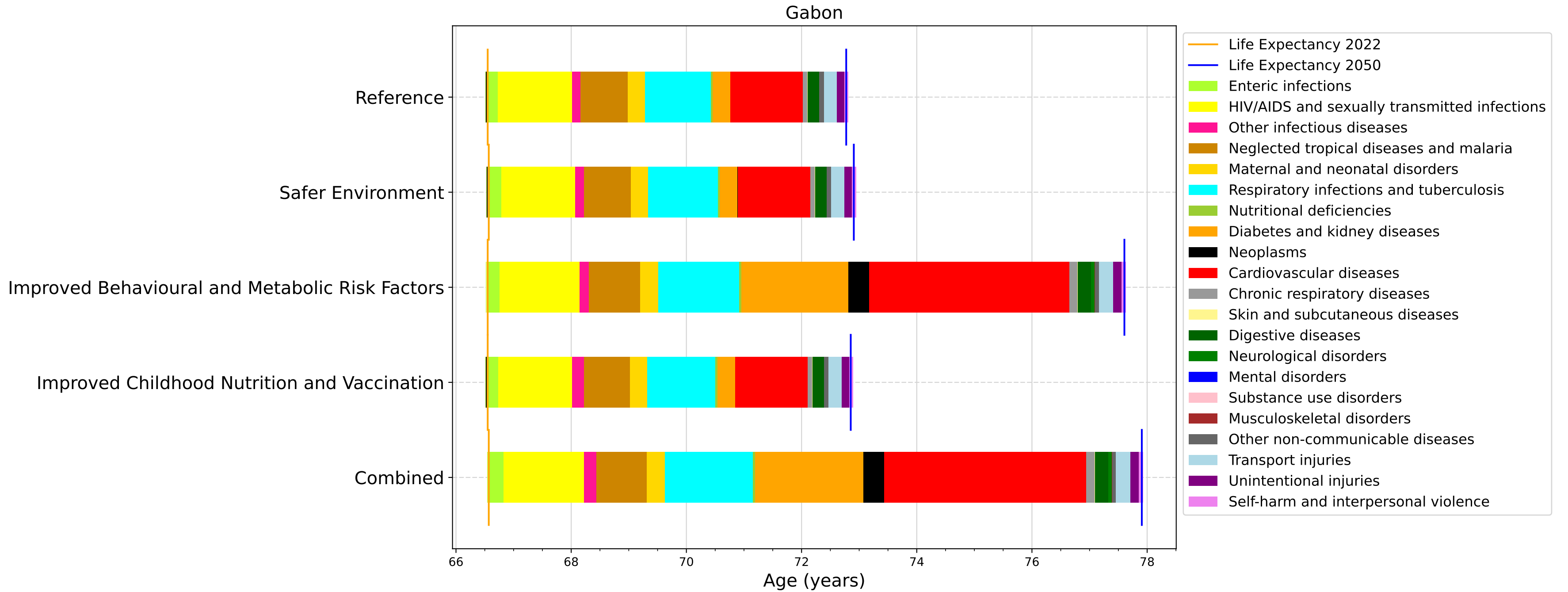




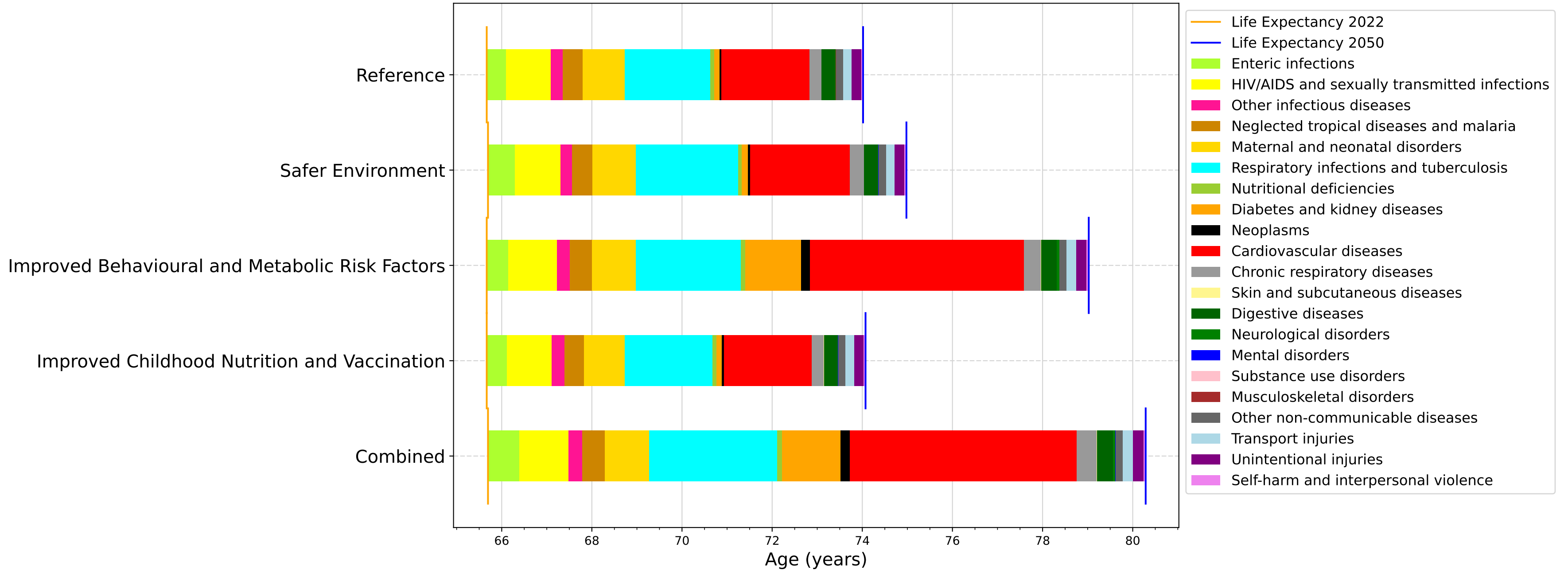


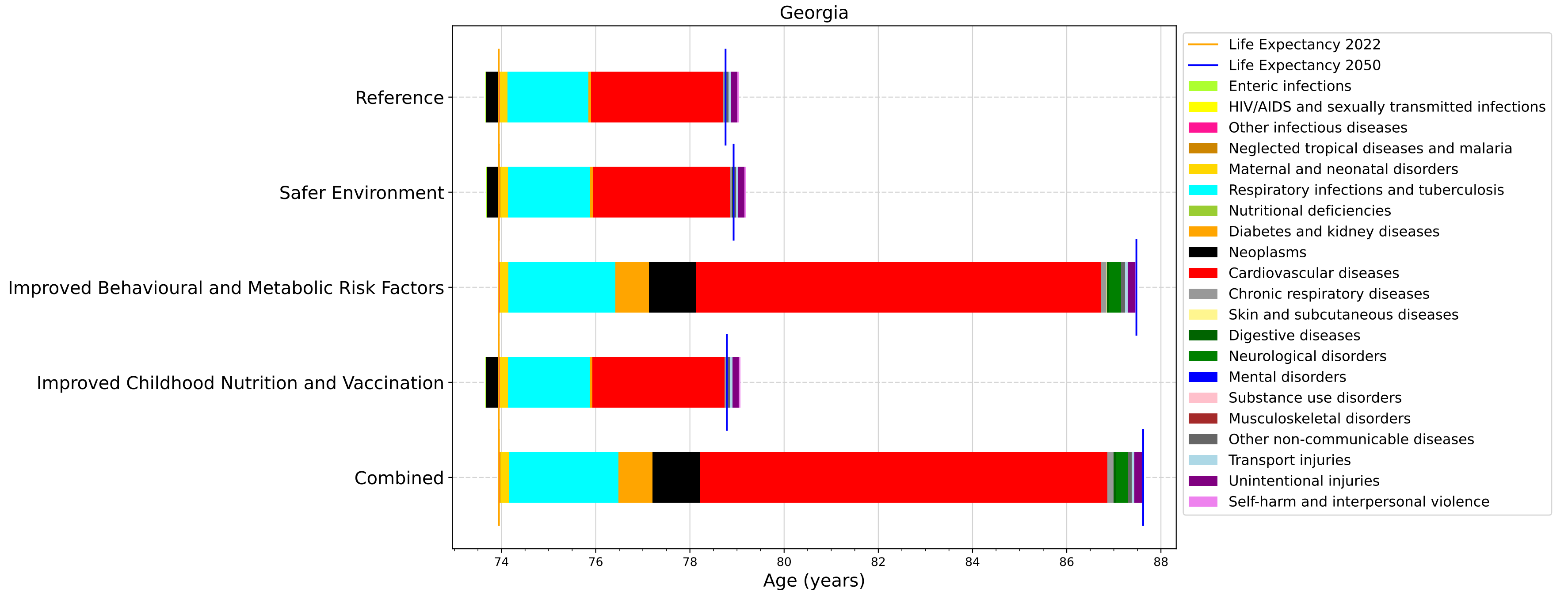


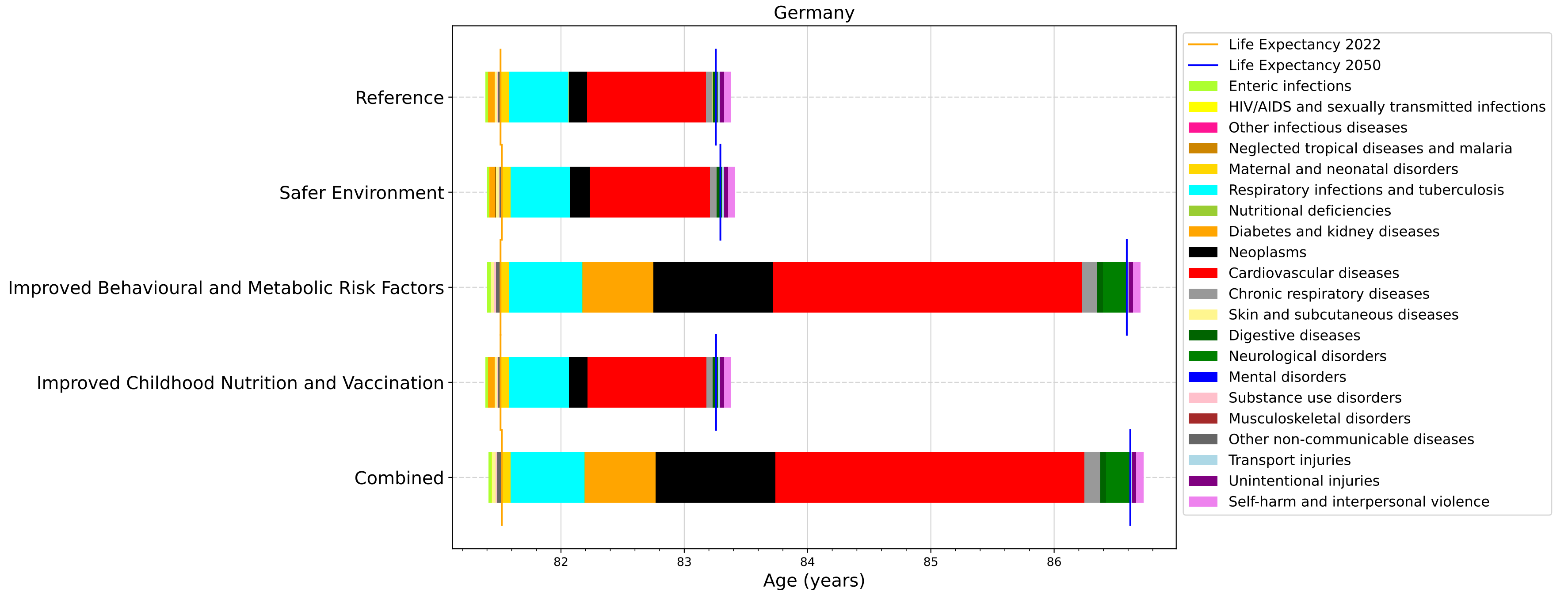


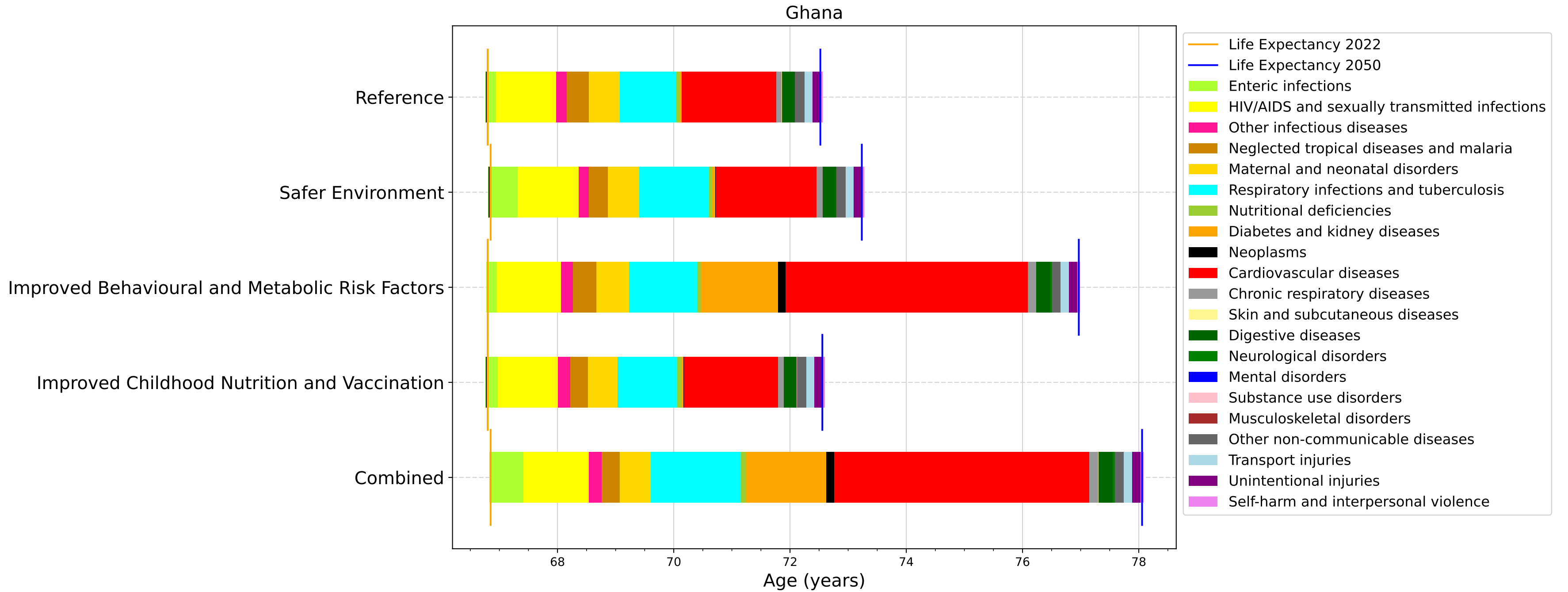


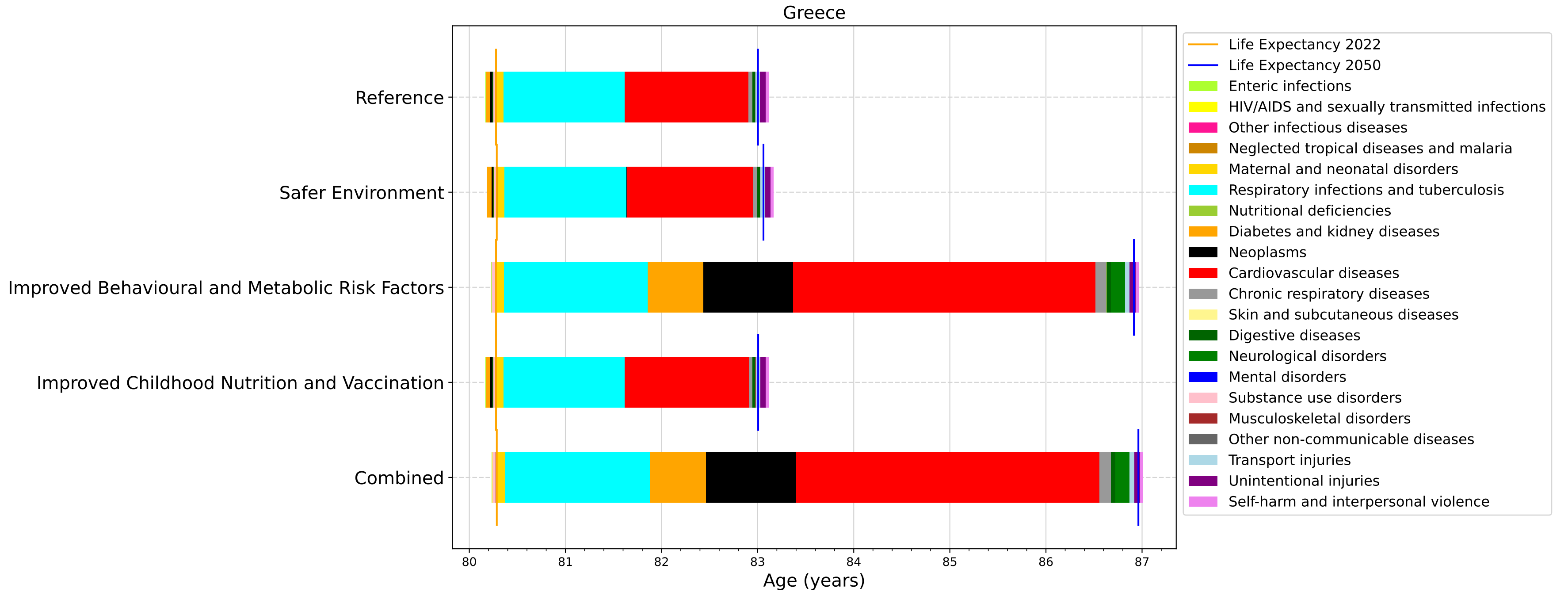
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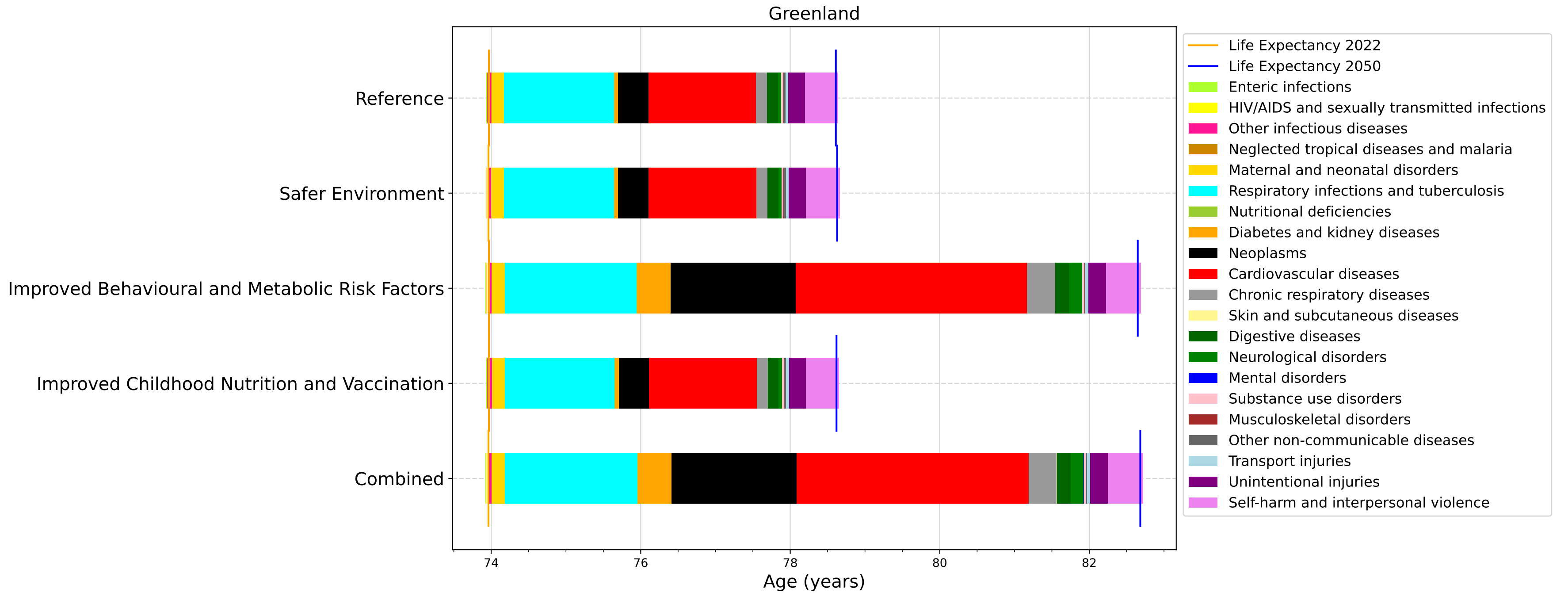


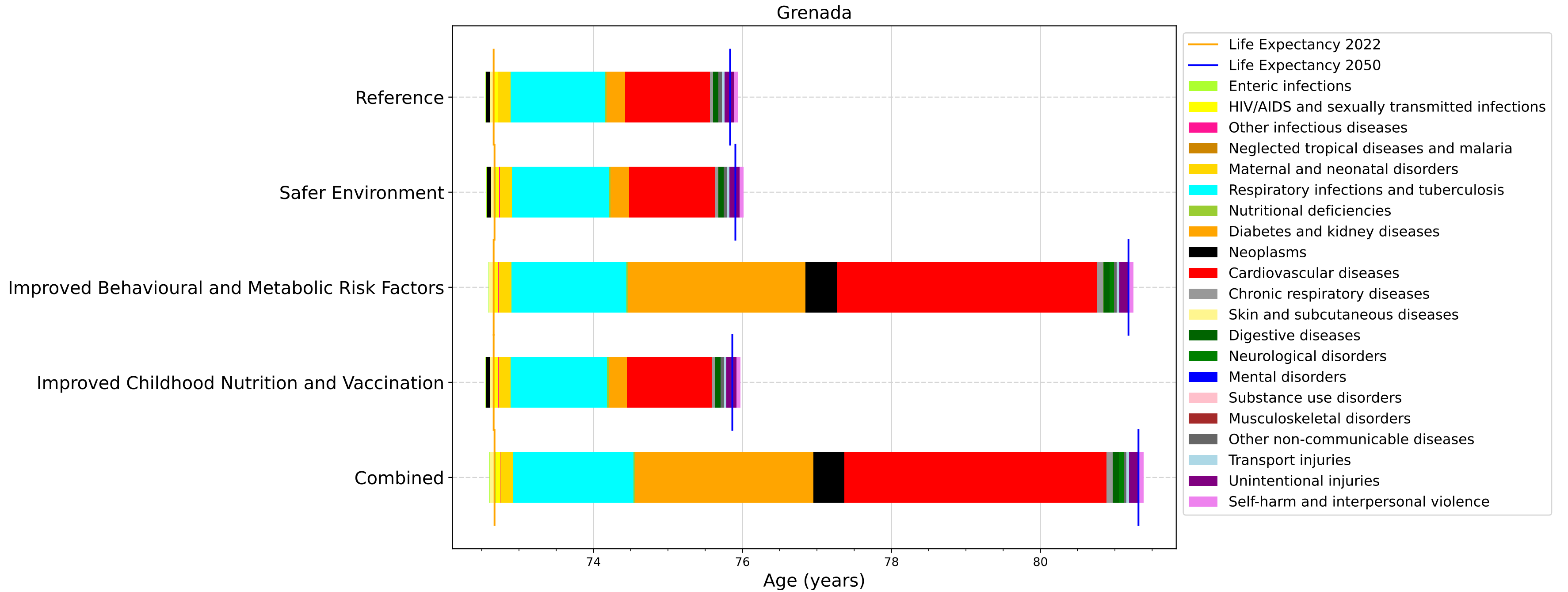




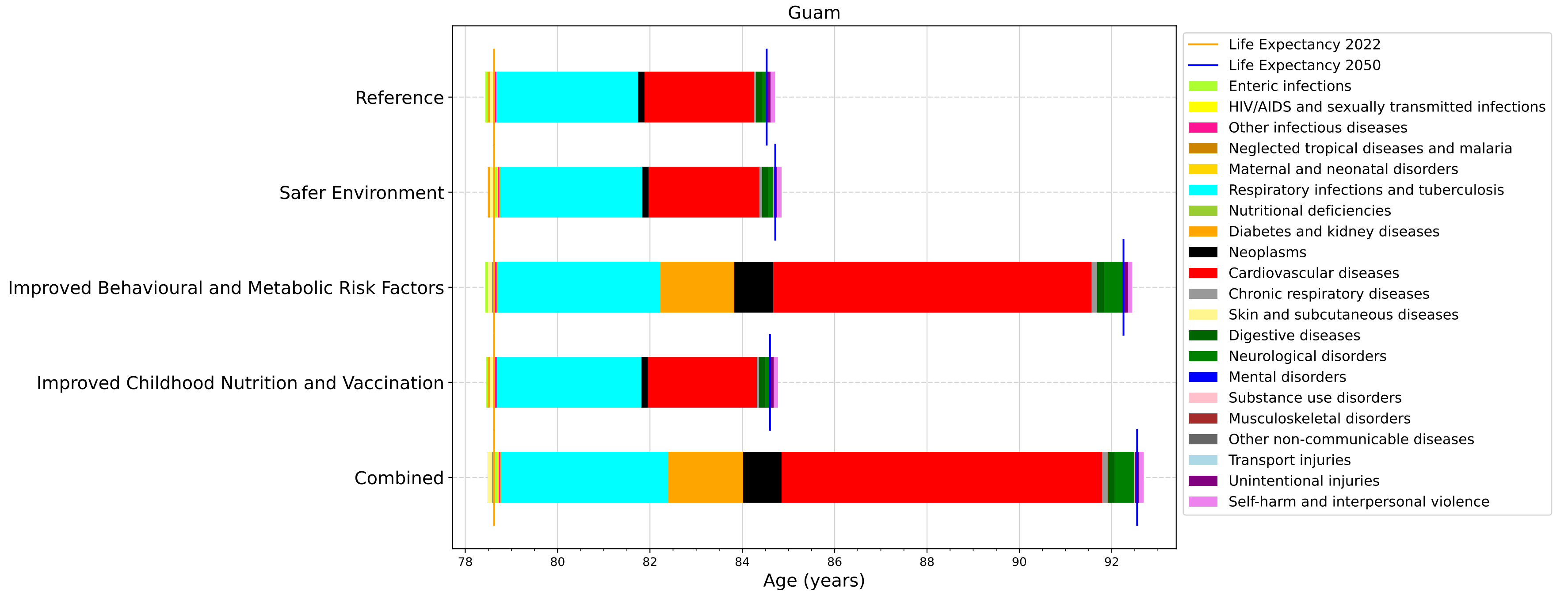


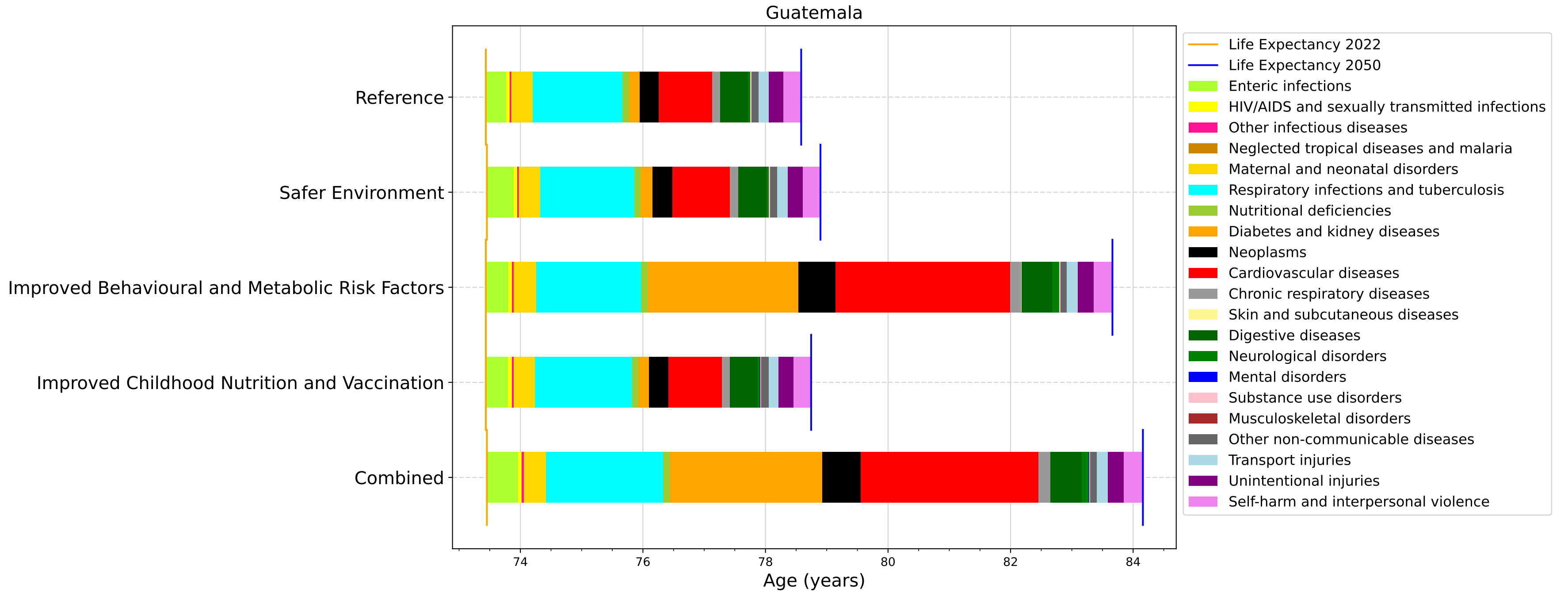


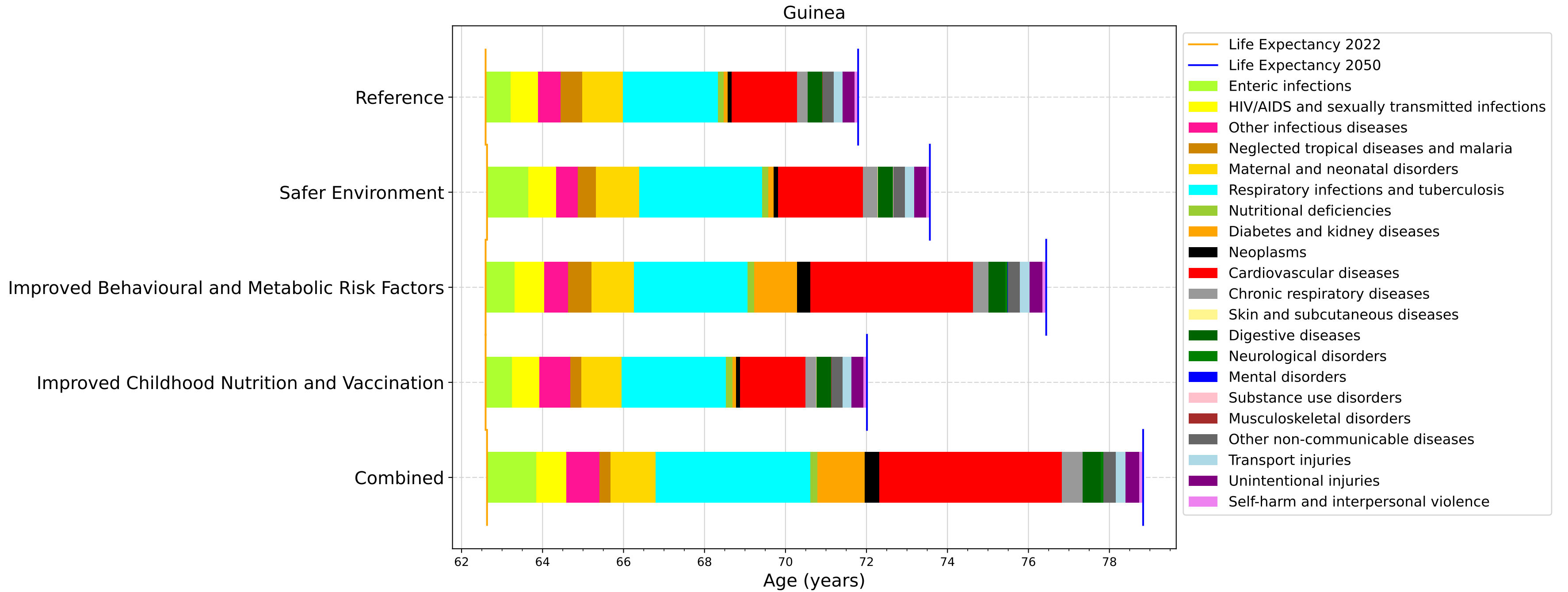


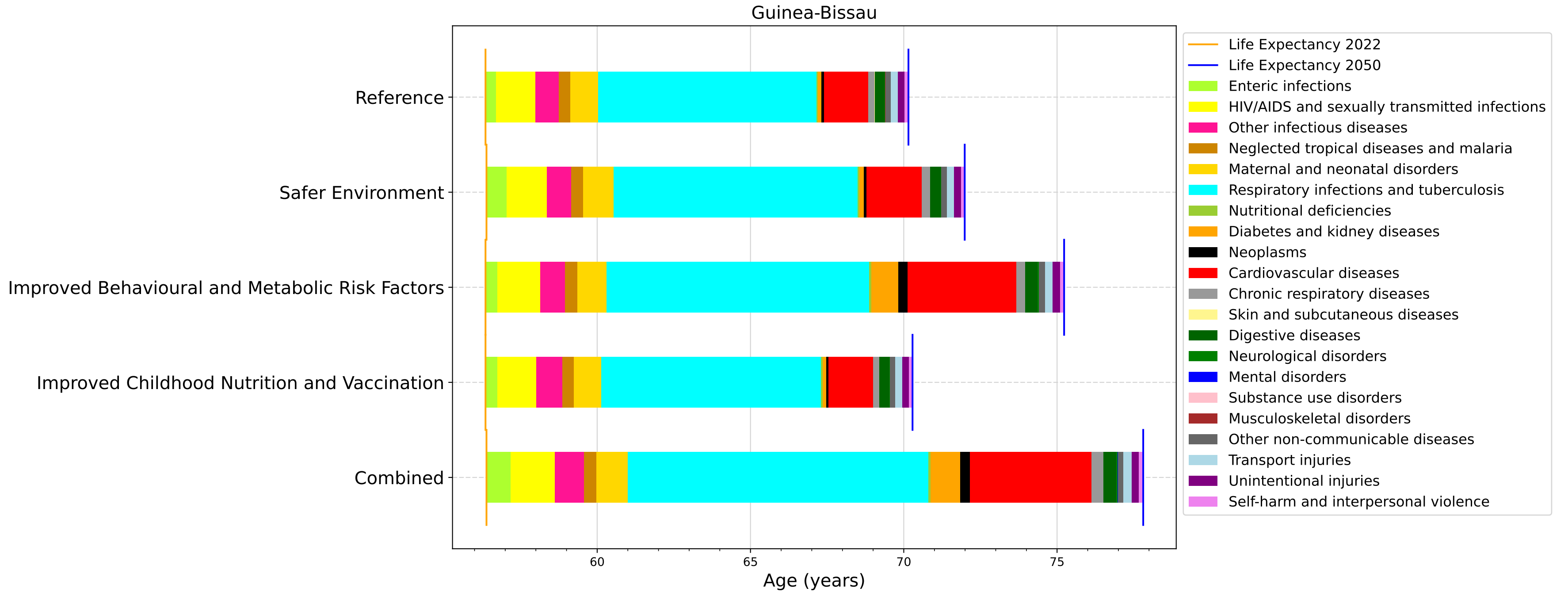


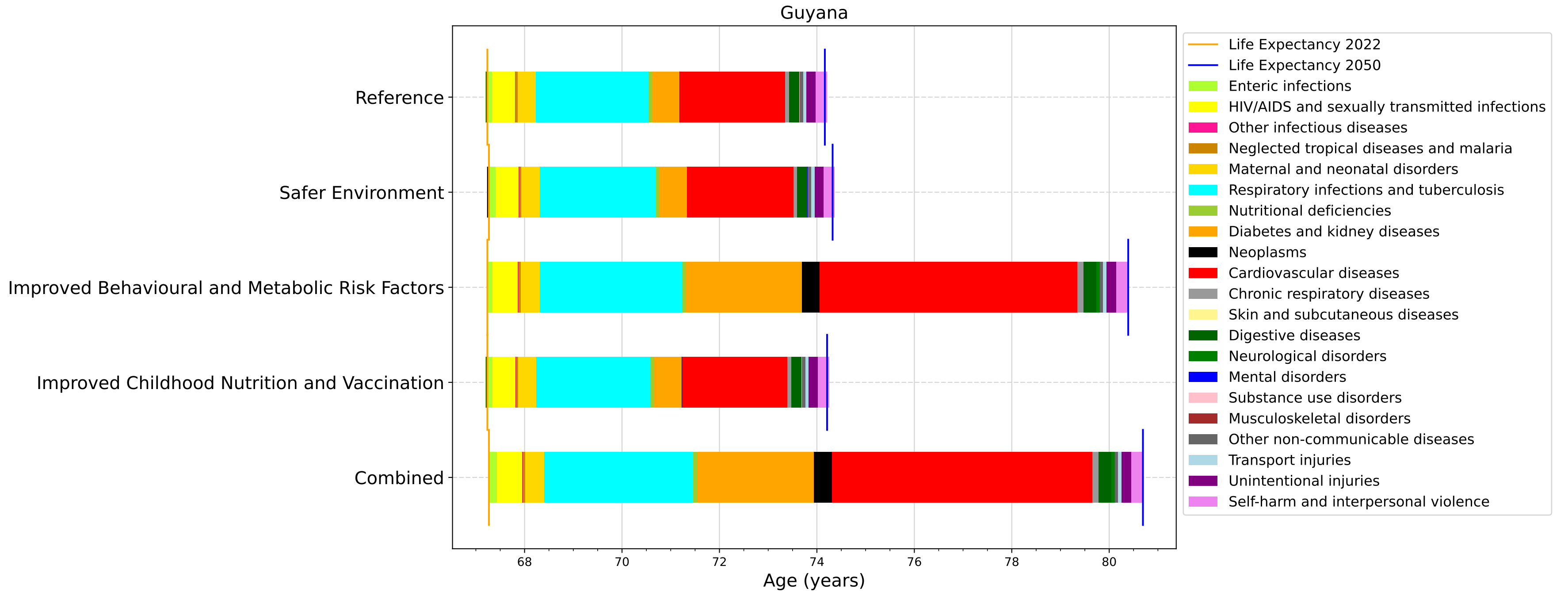


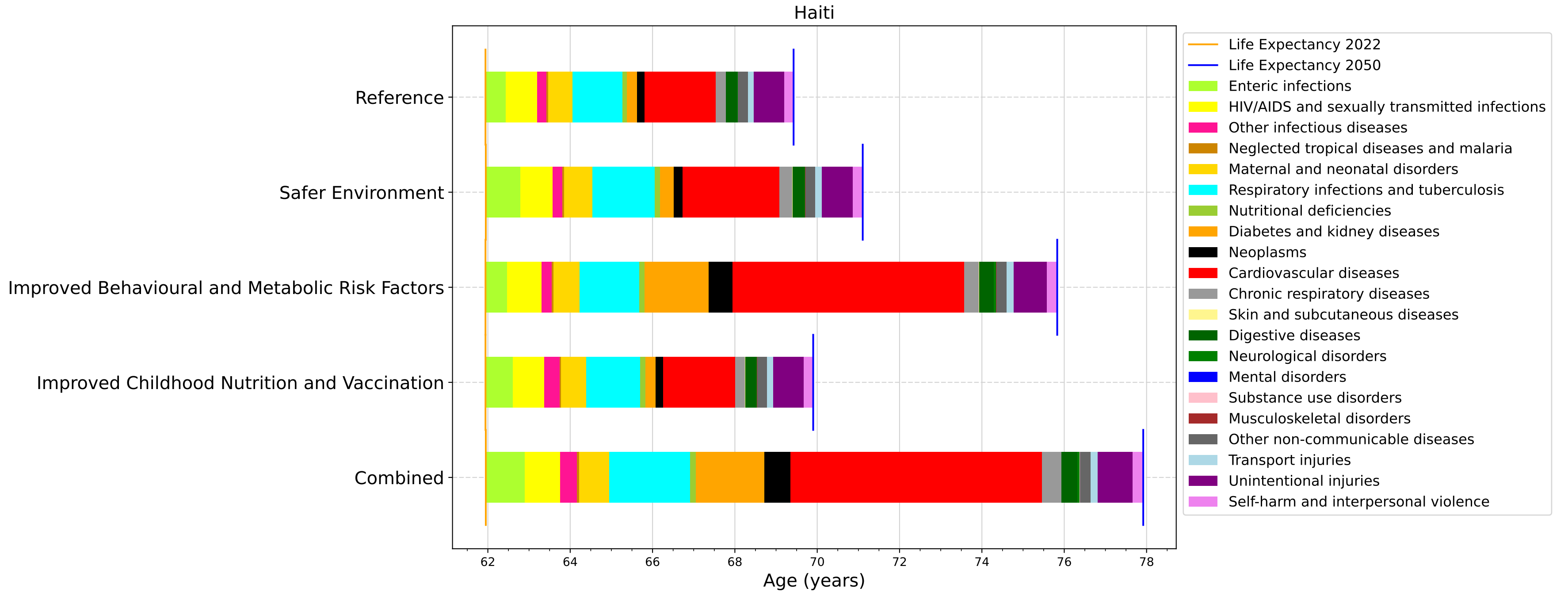


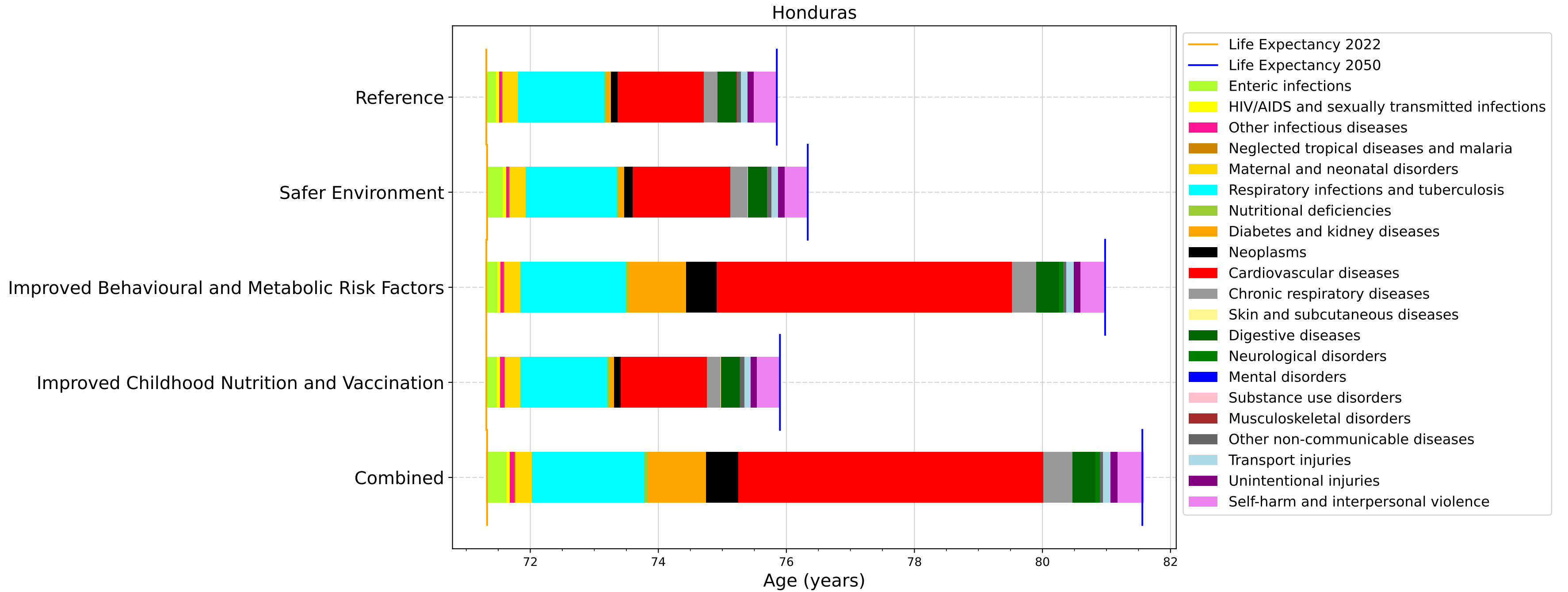


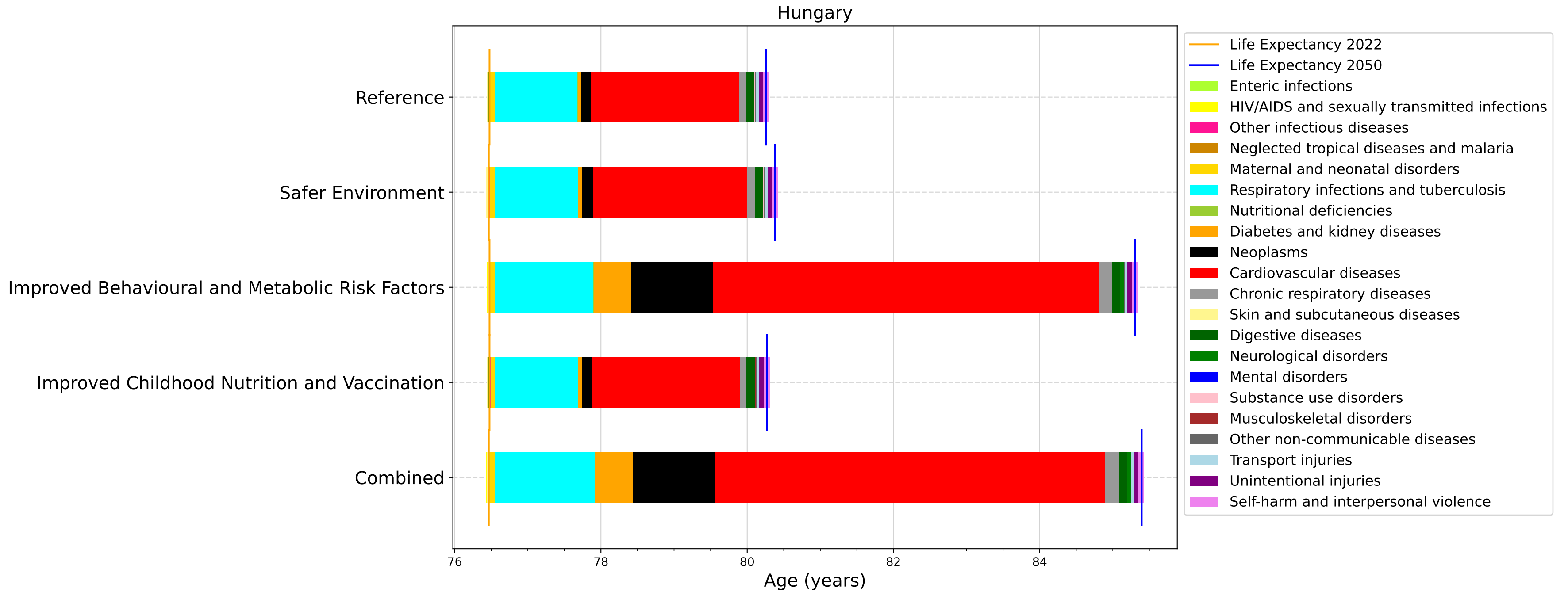




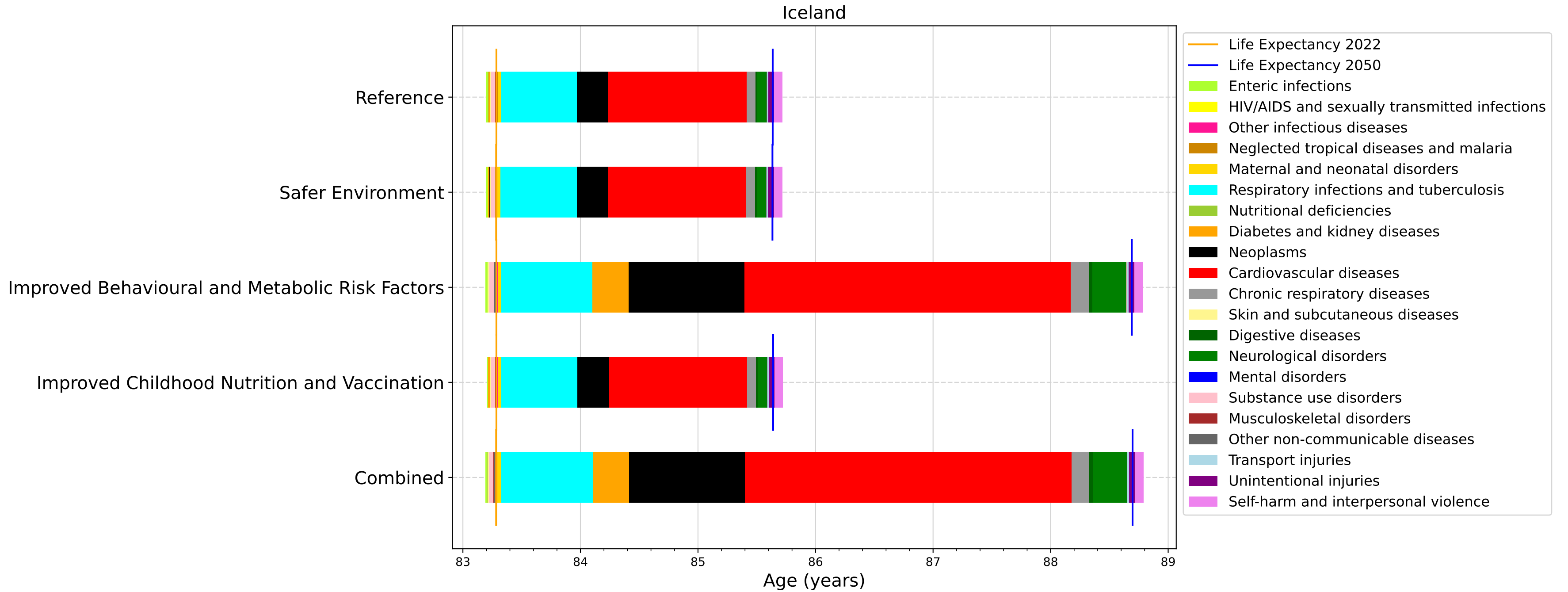


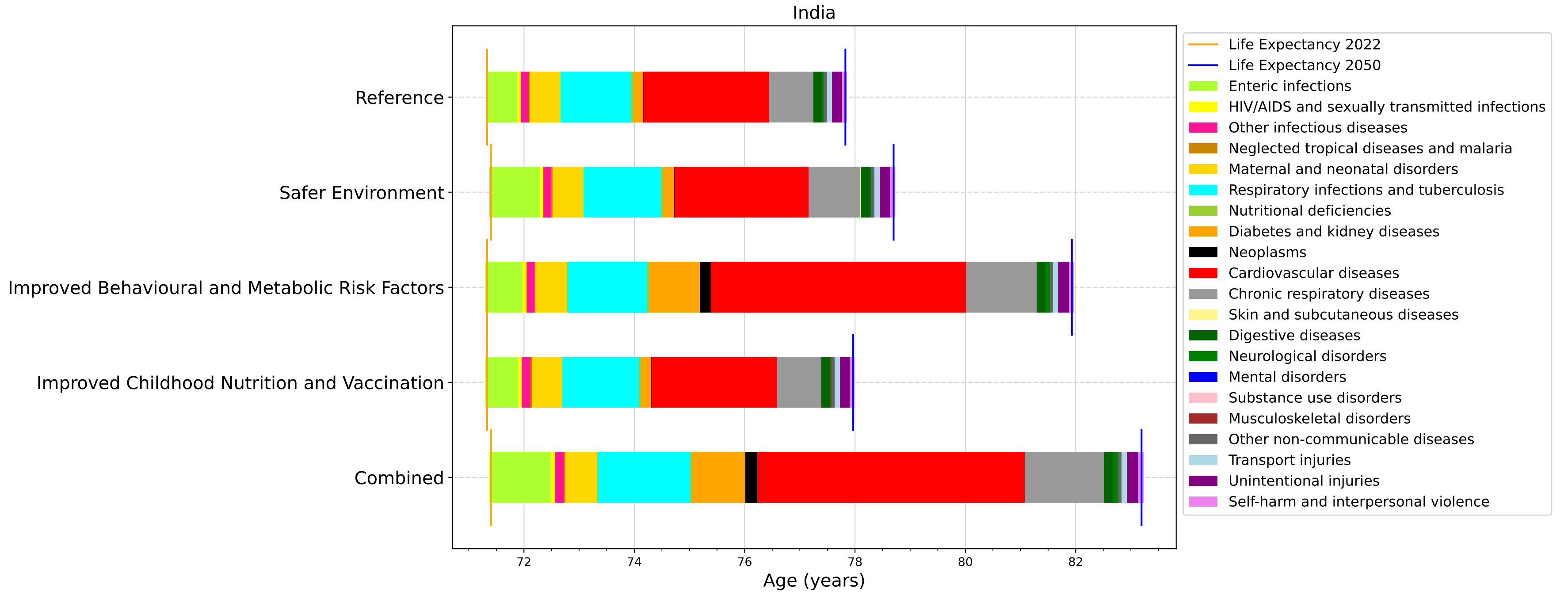


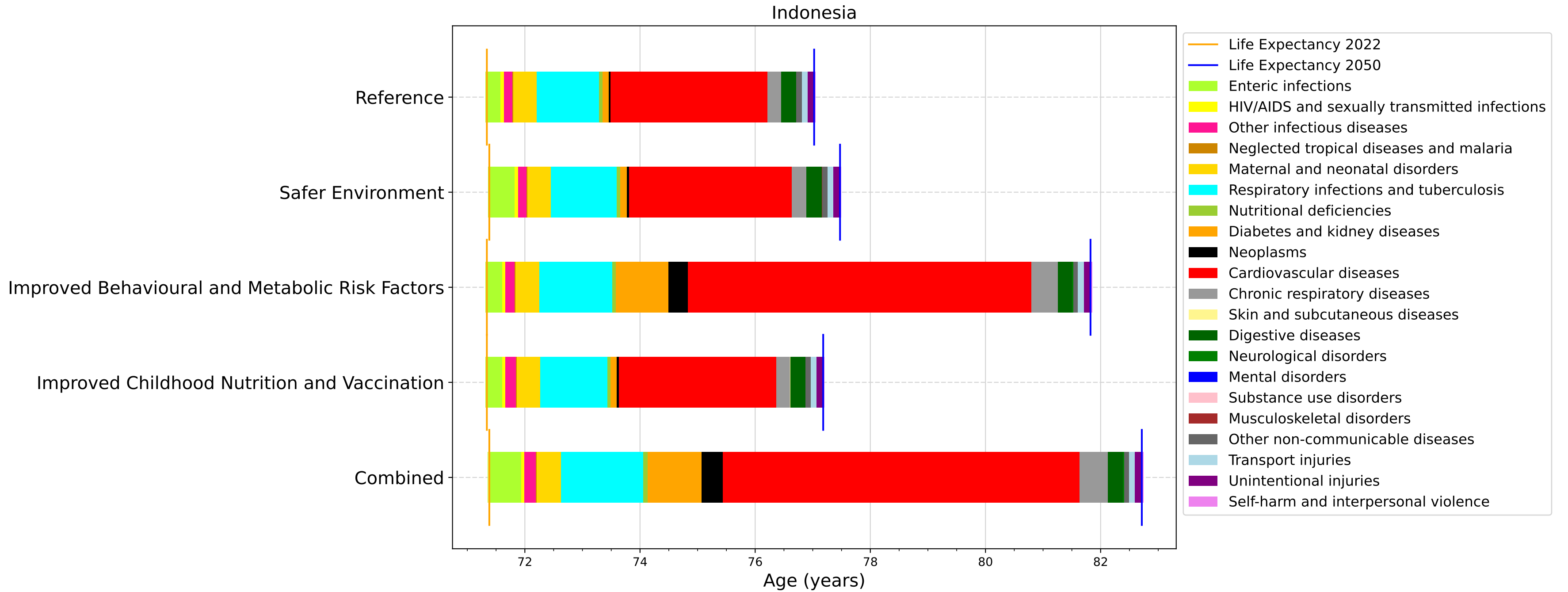


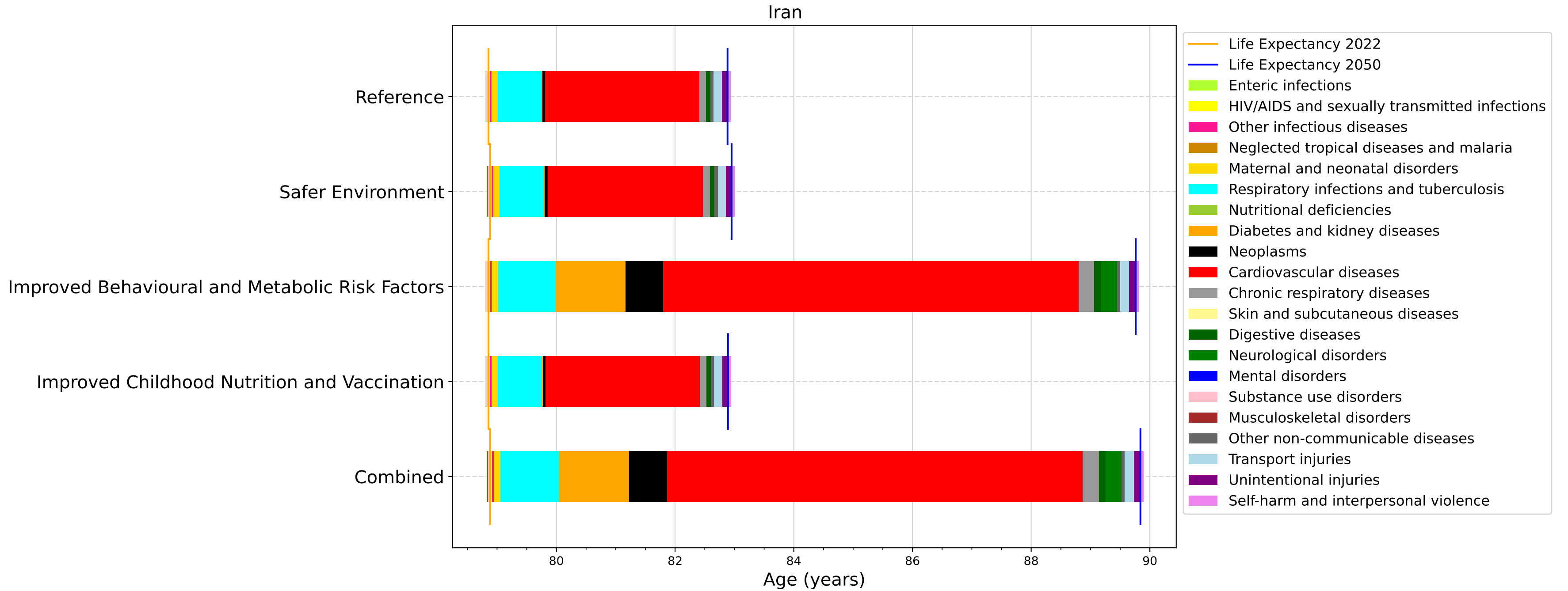


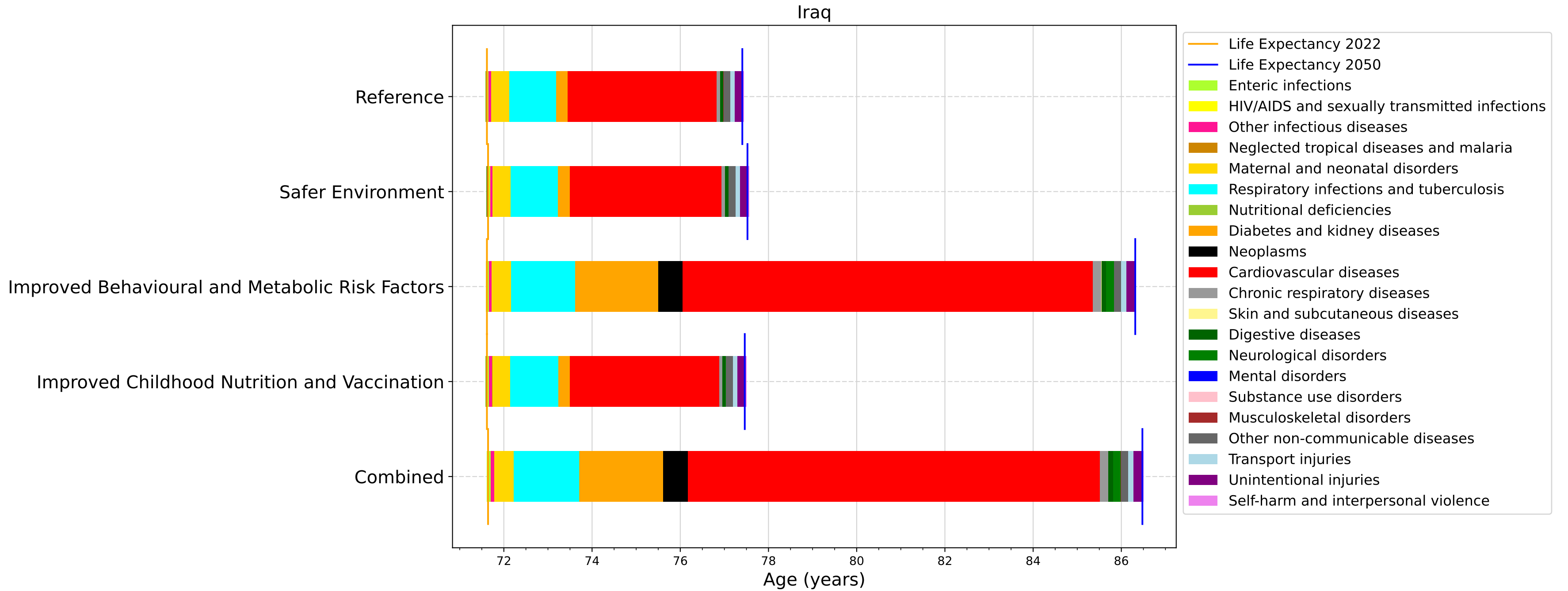


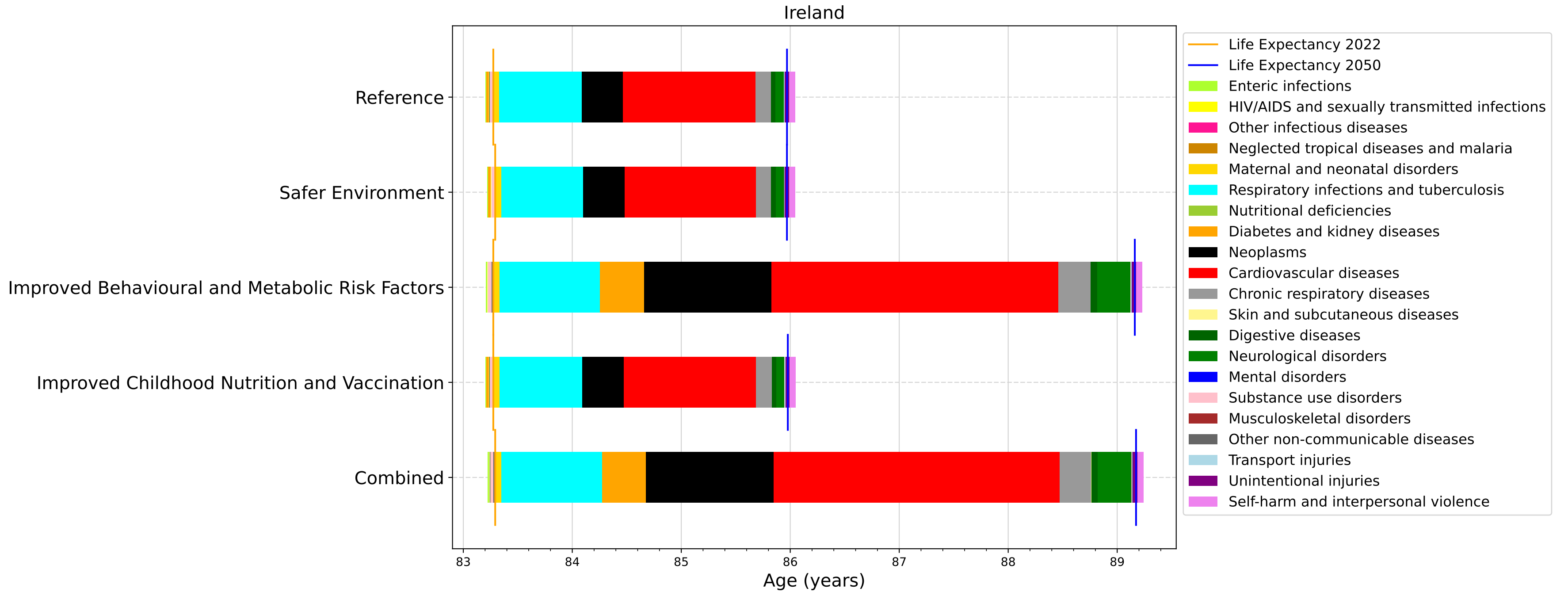


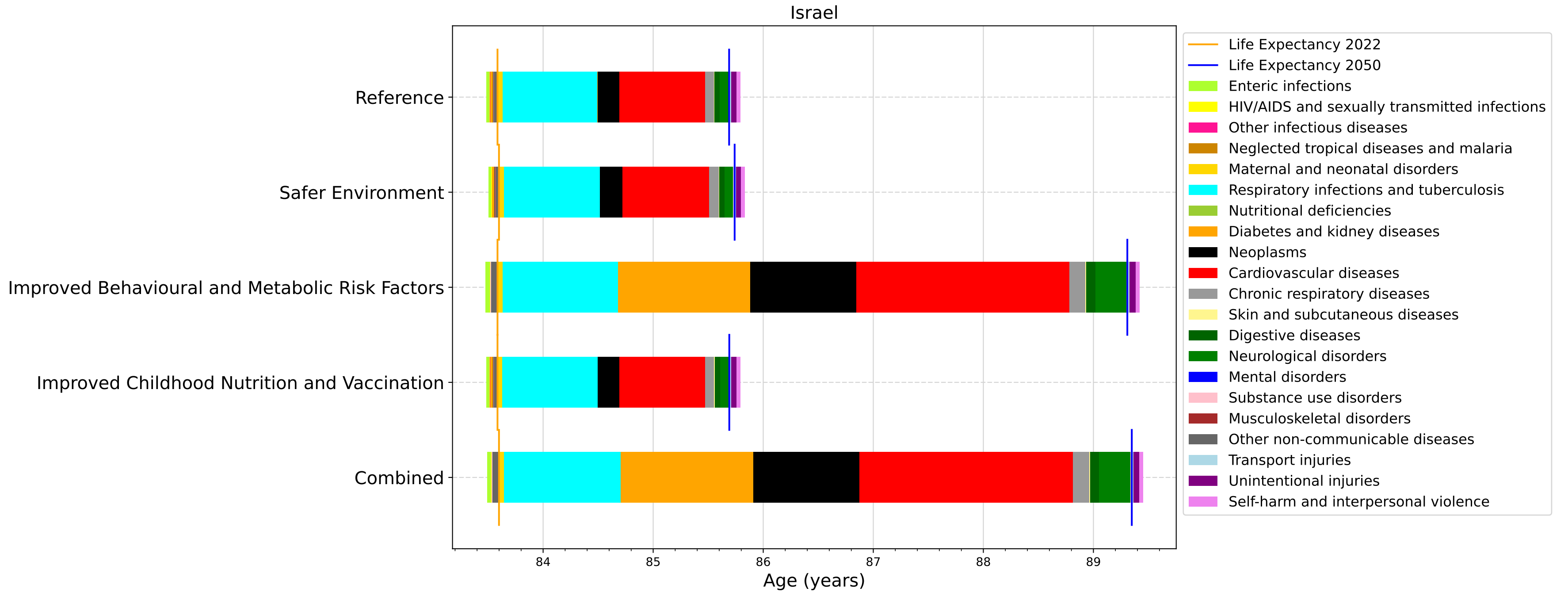


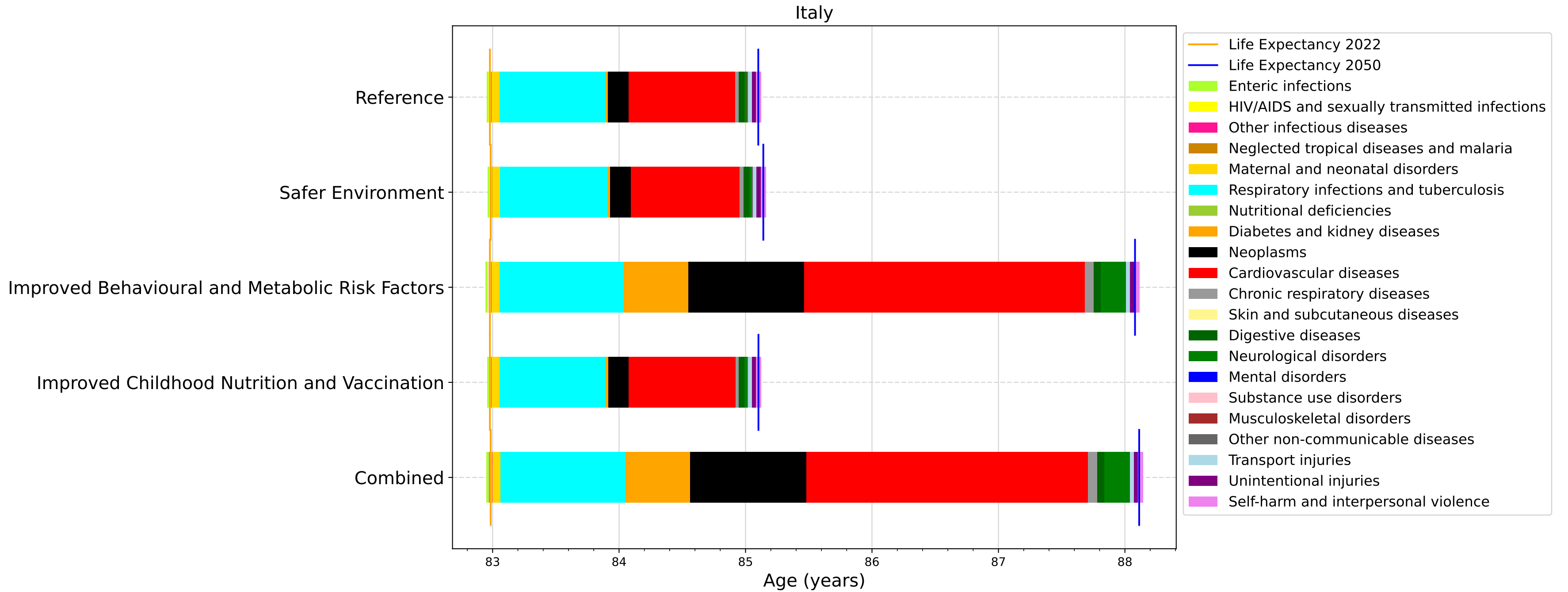






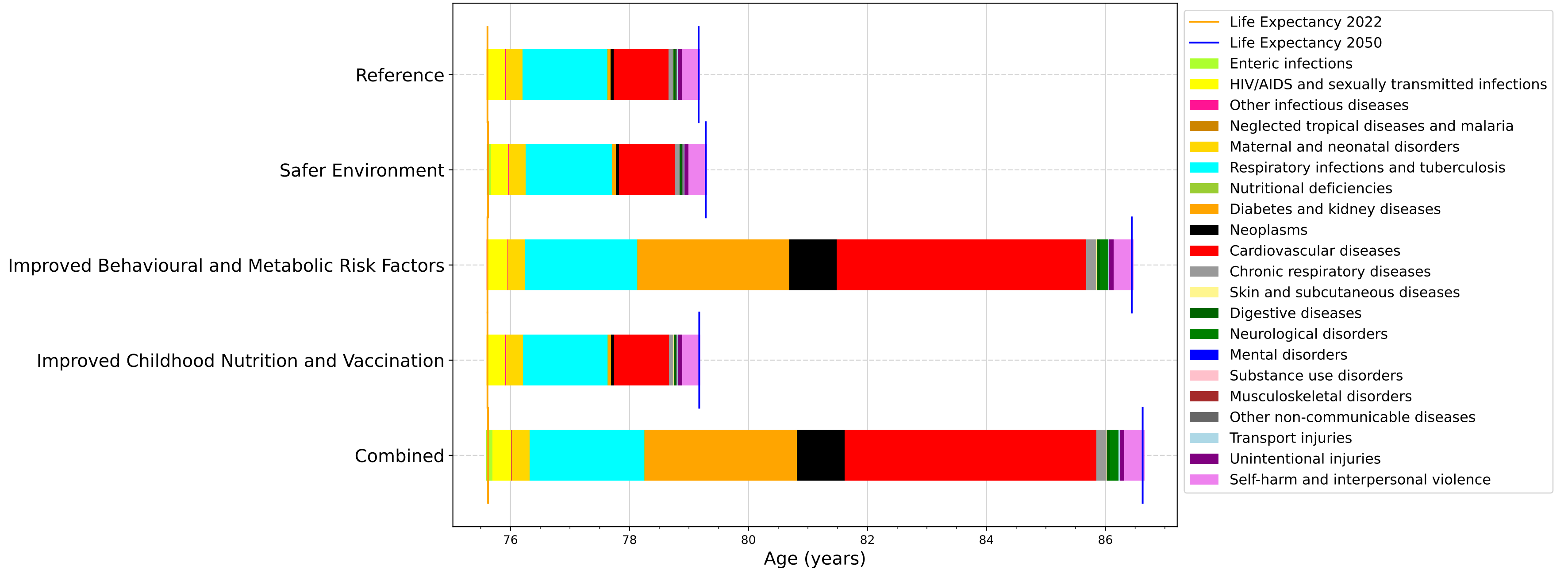


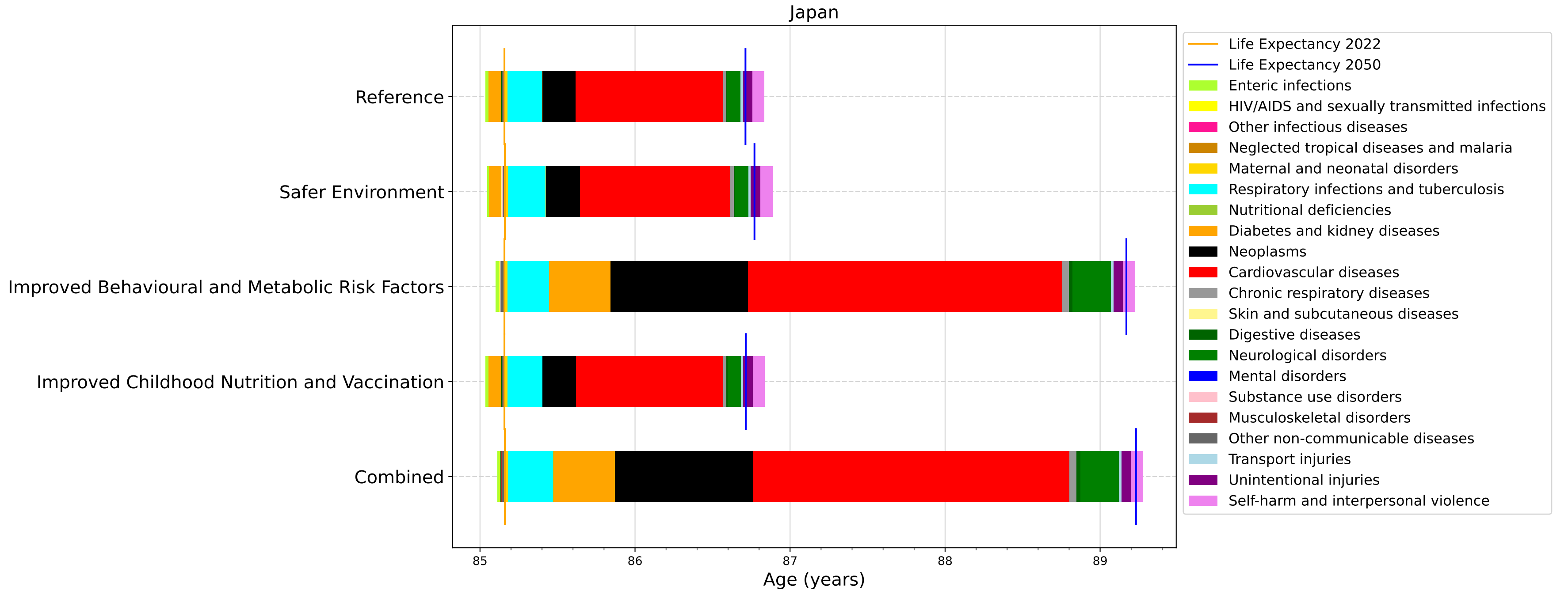


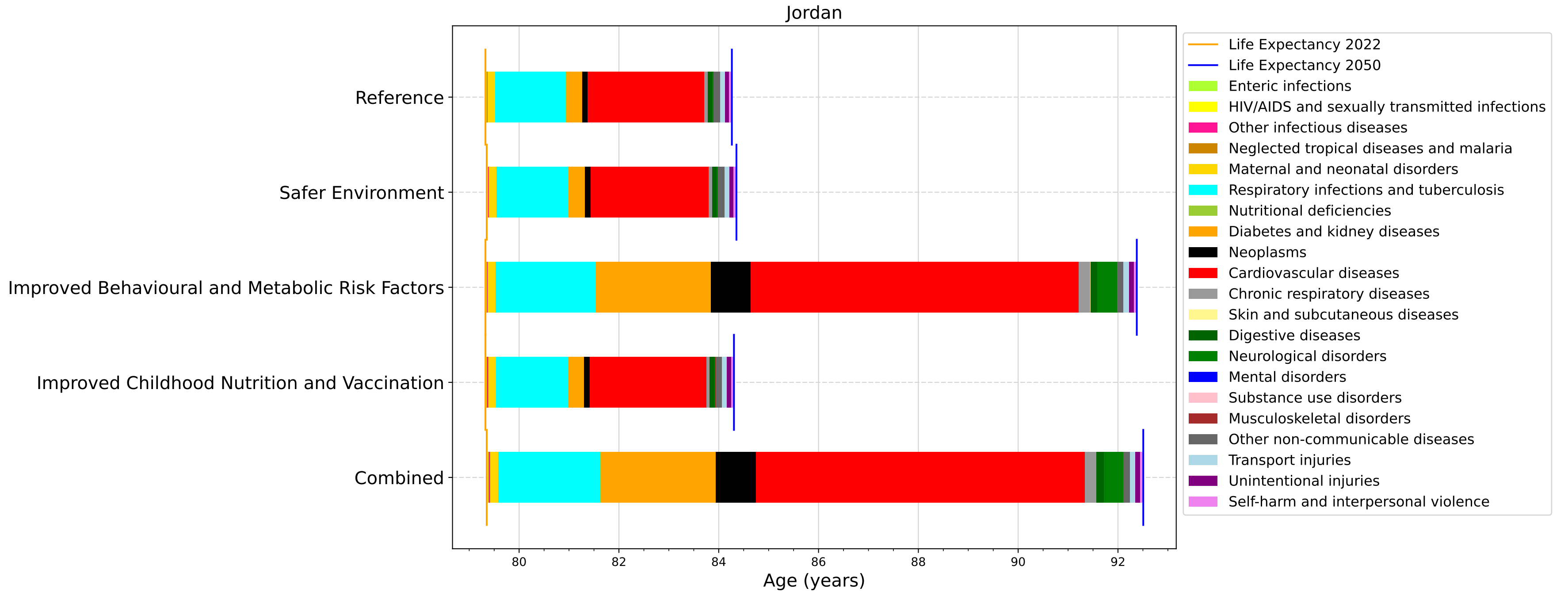


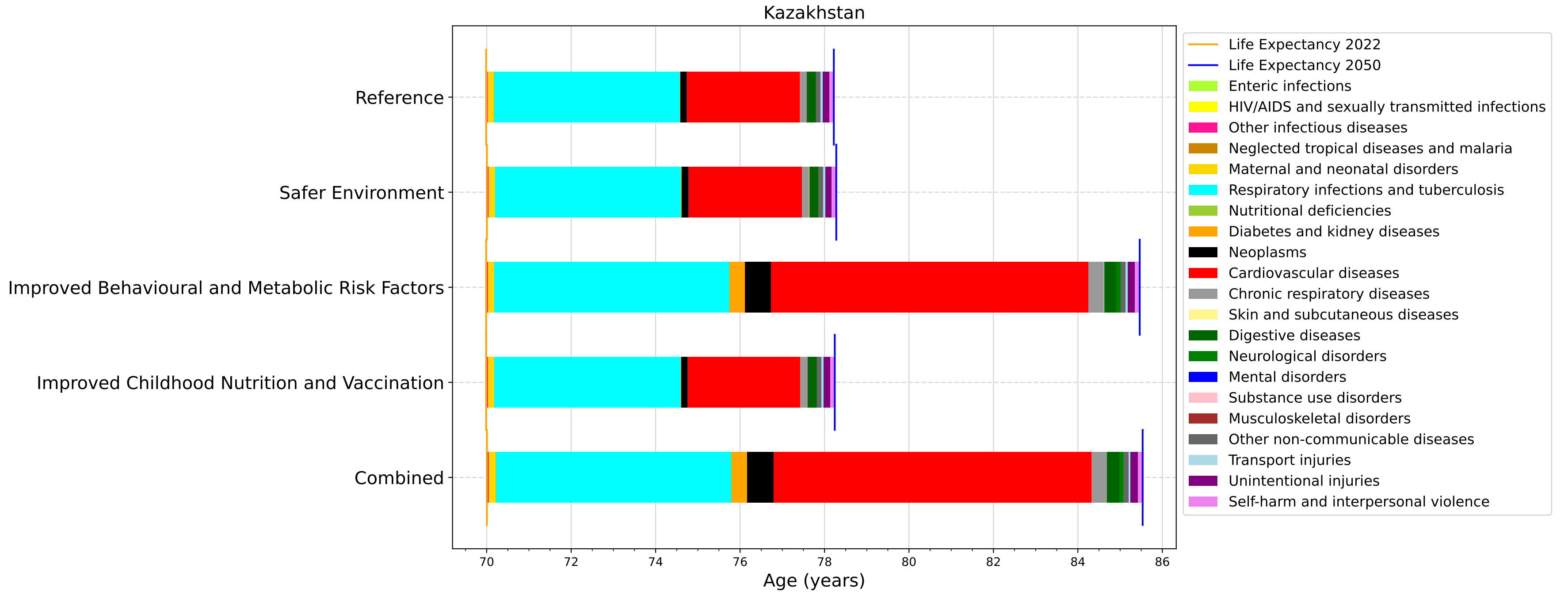


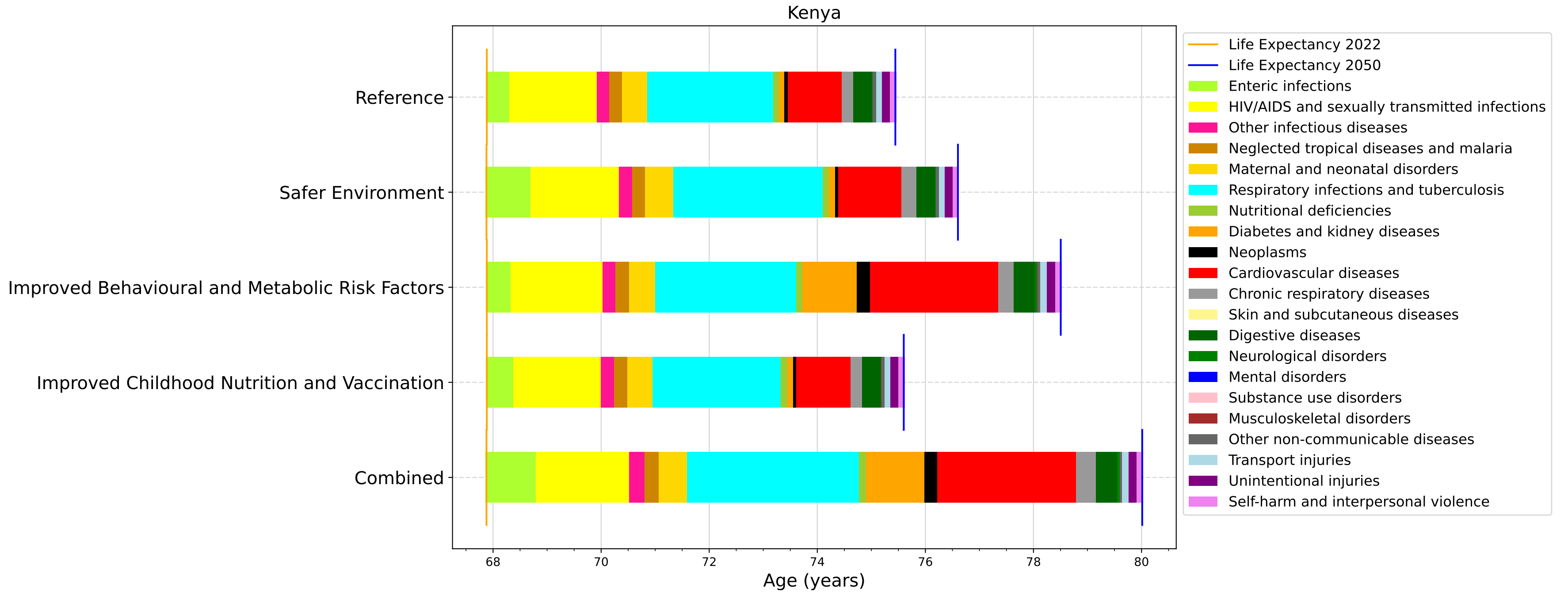
Jamaica

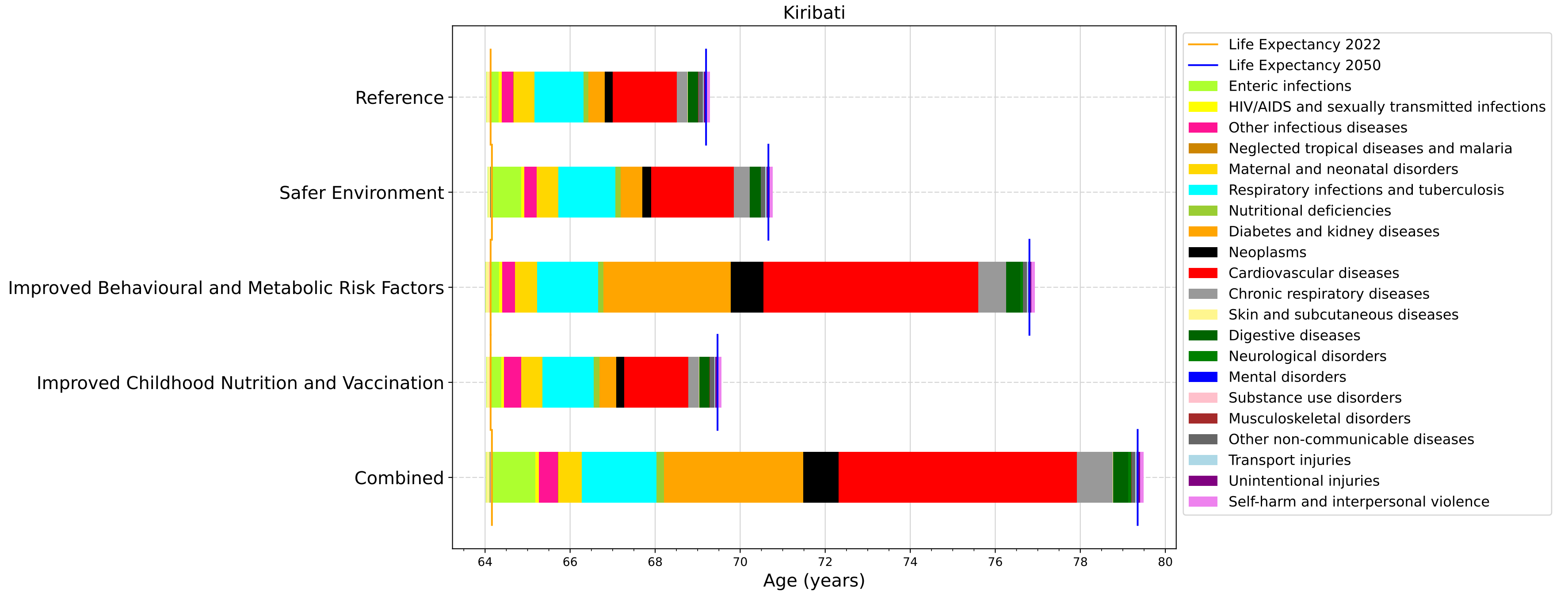


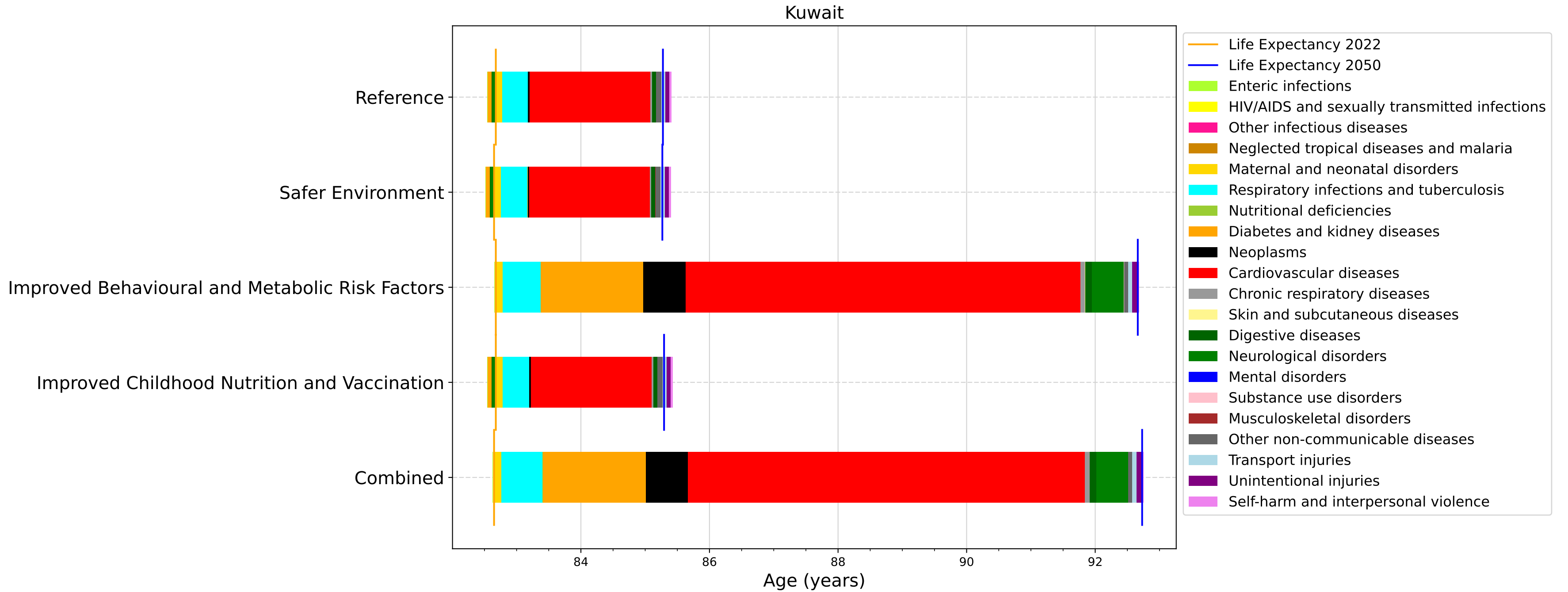


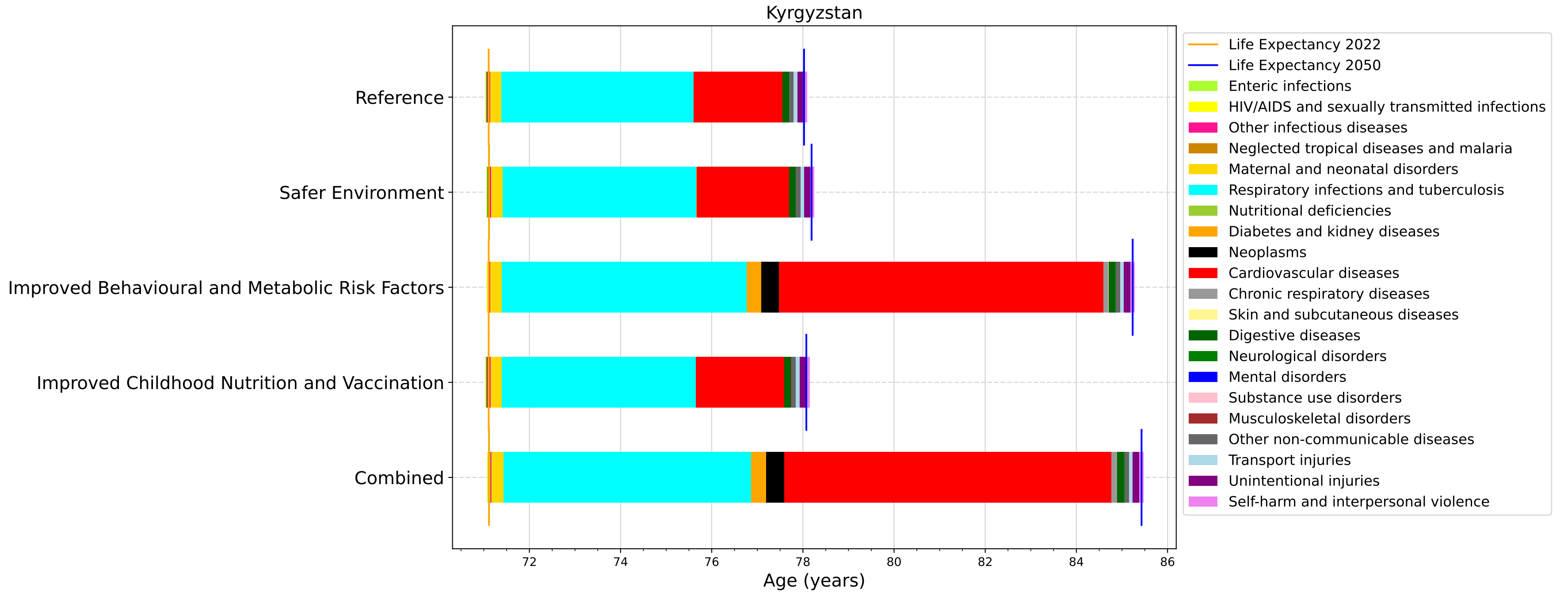




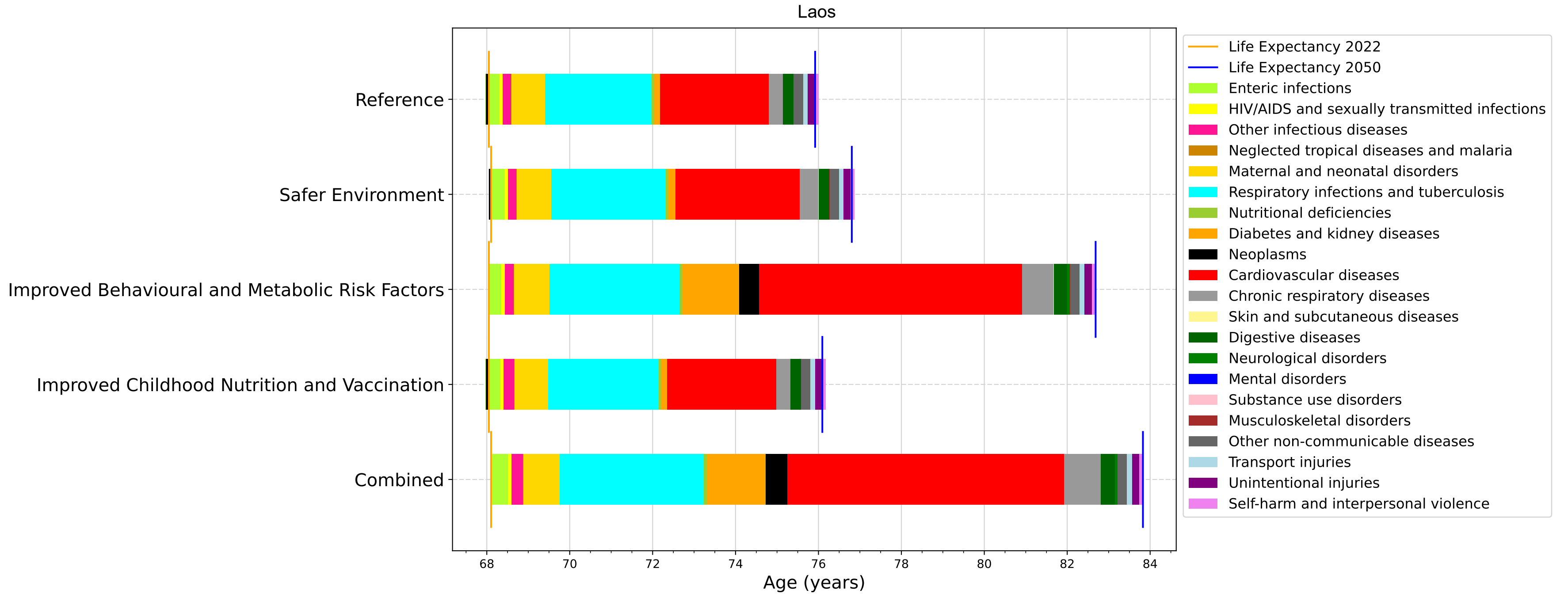


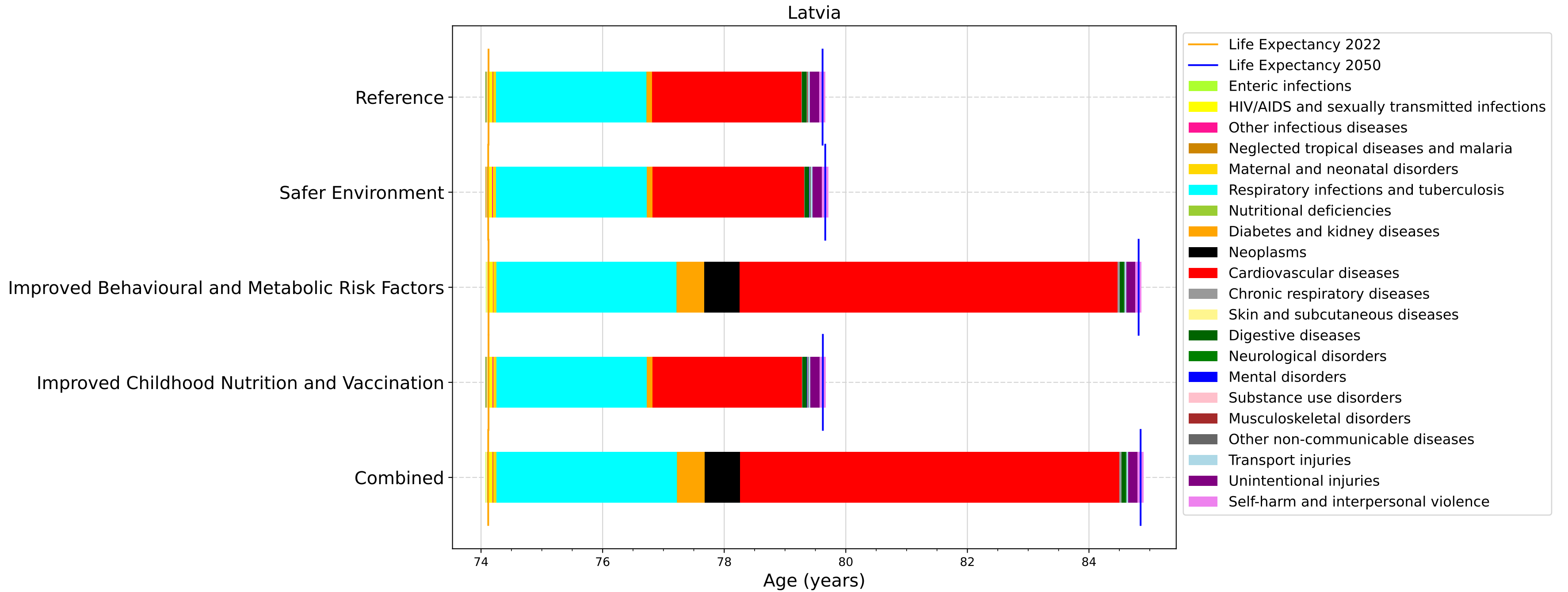


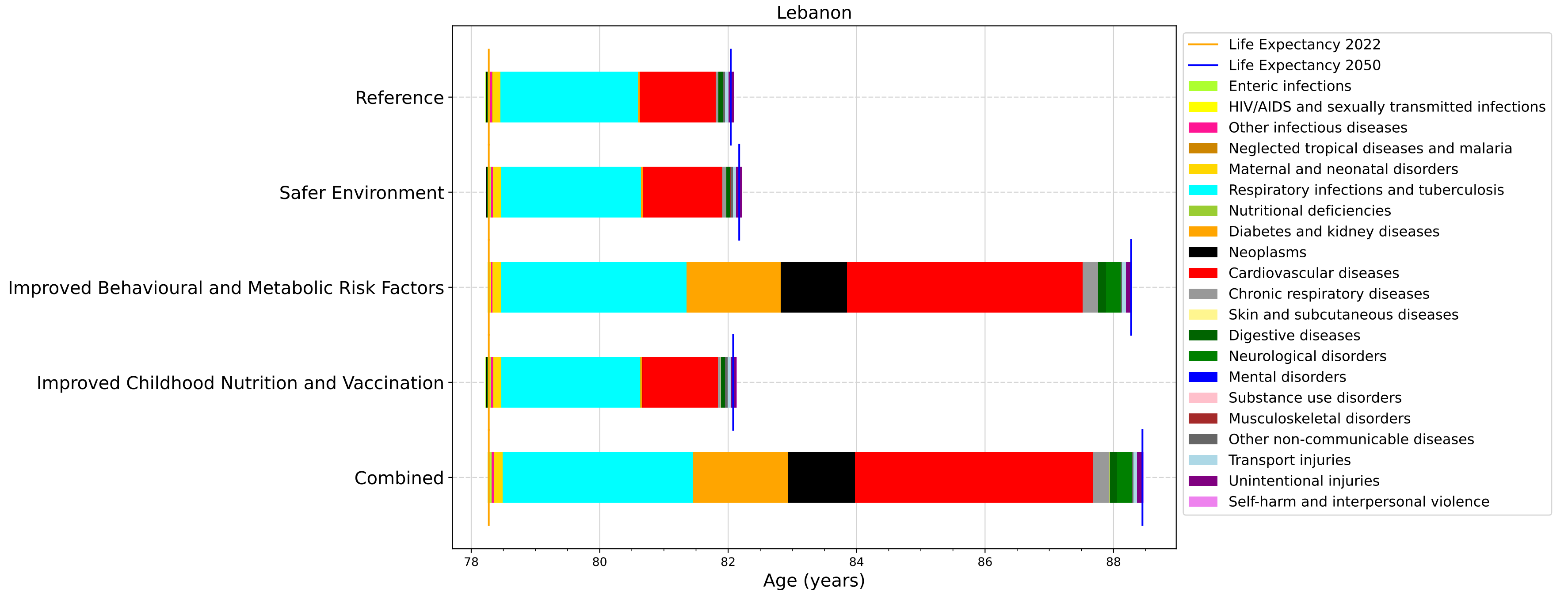


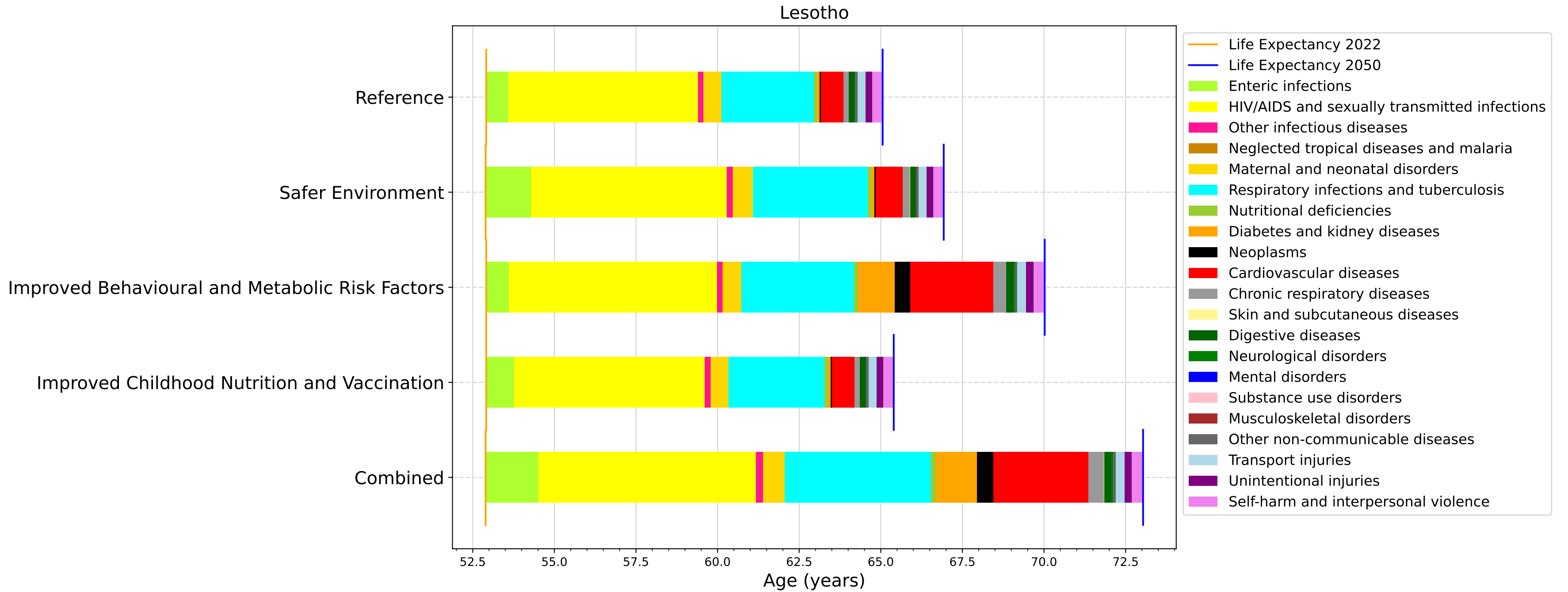


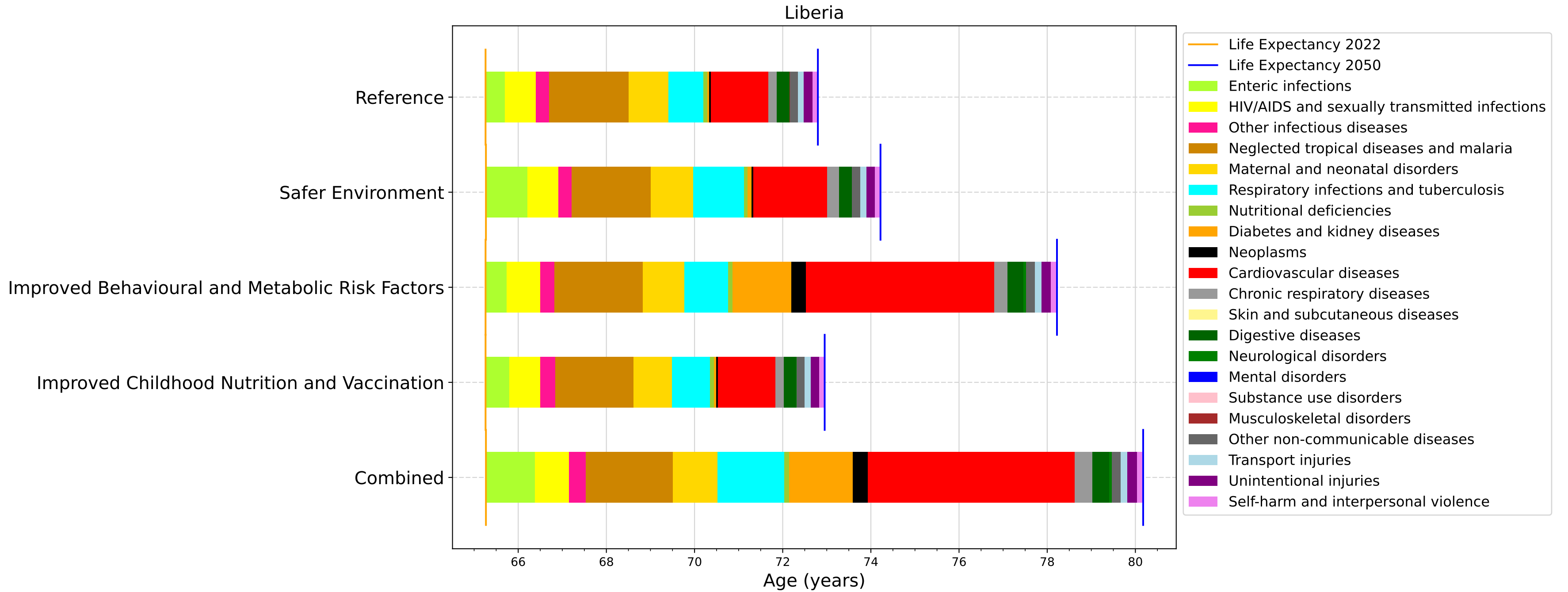


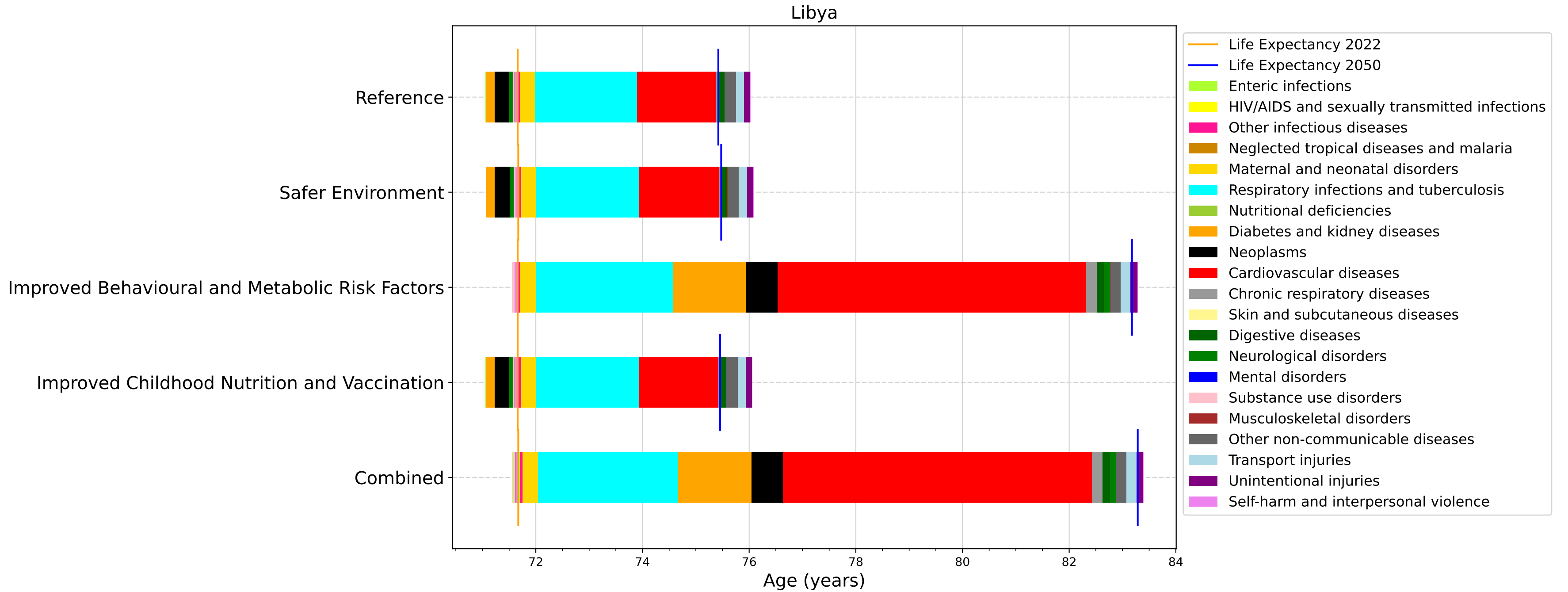


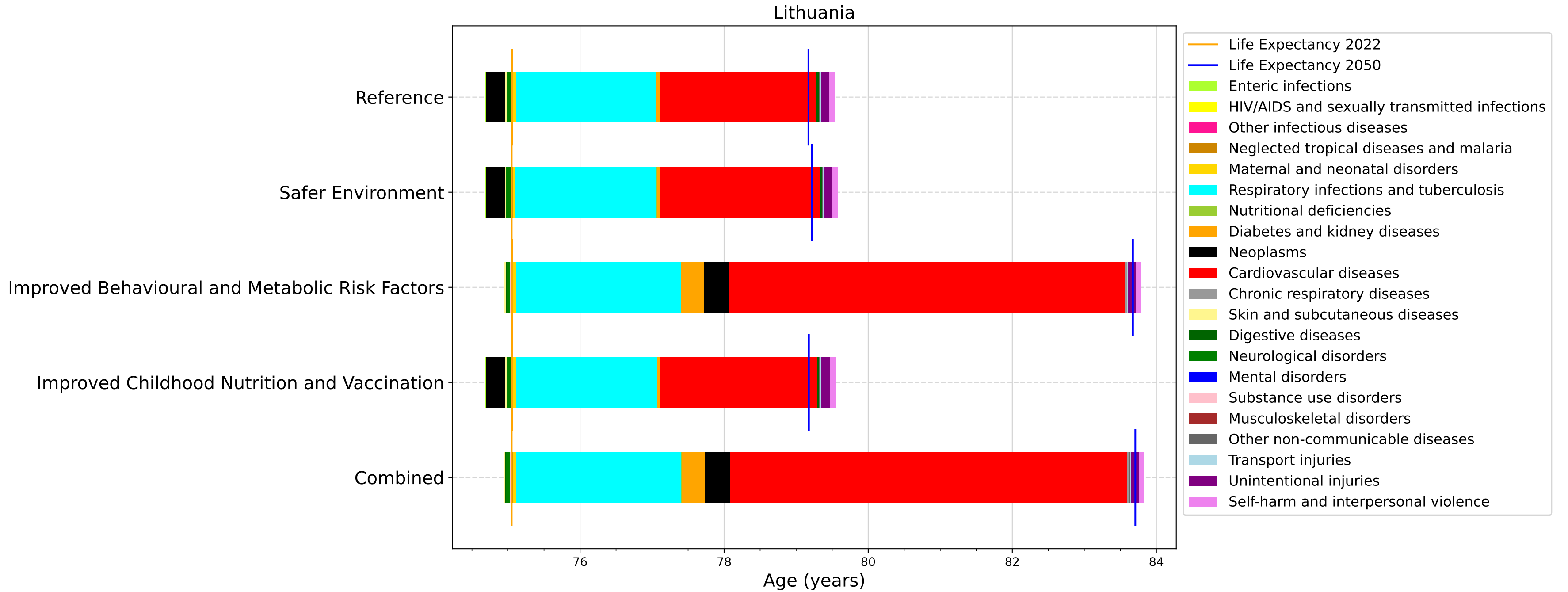


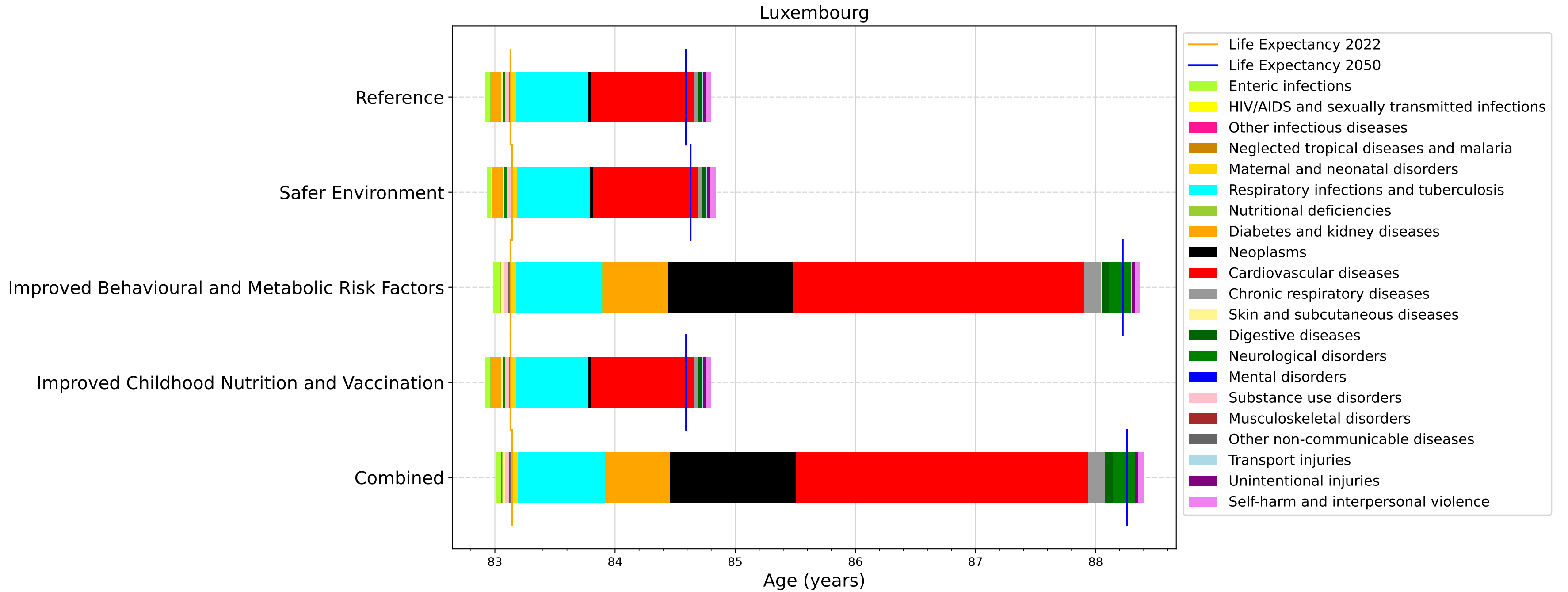




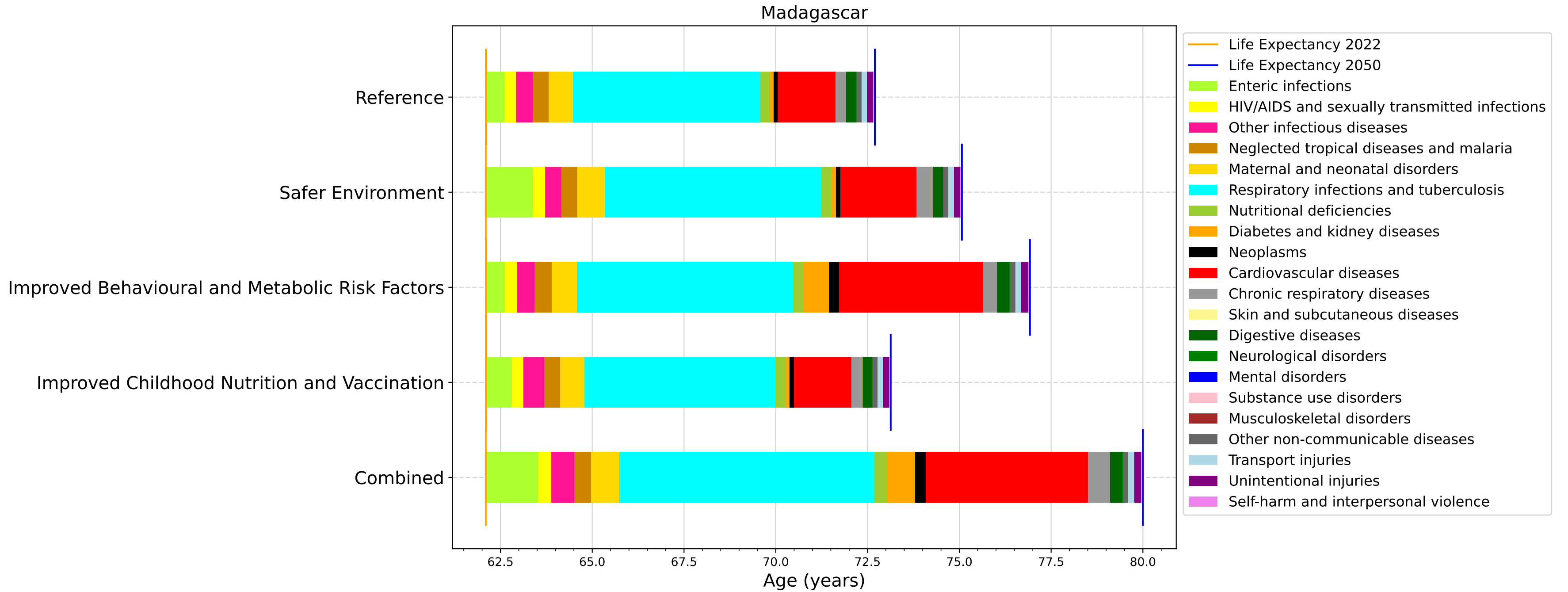


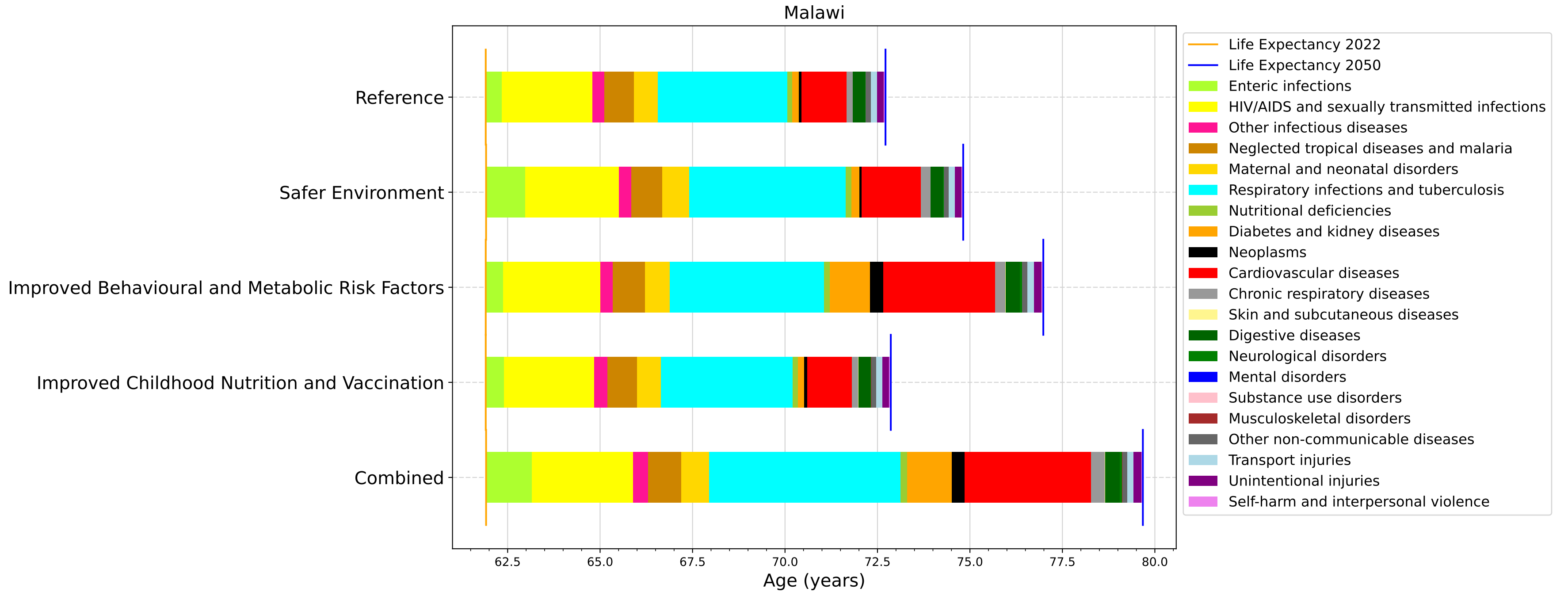


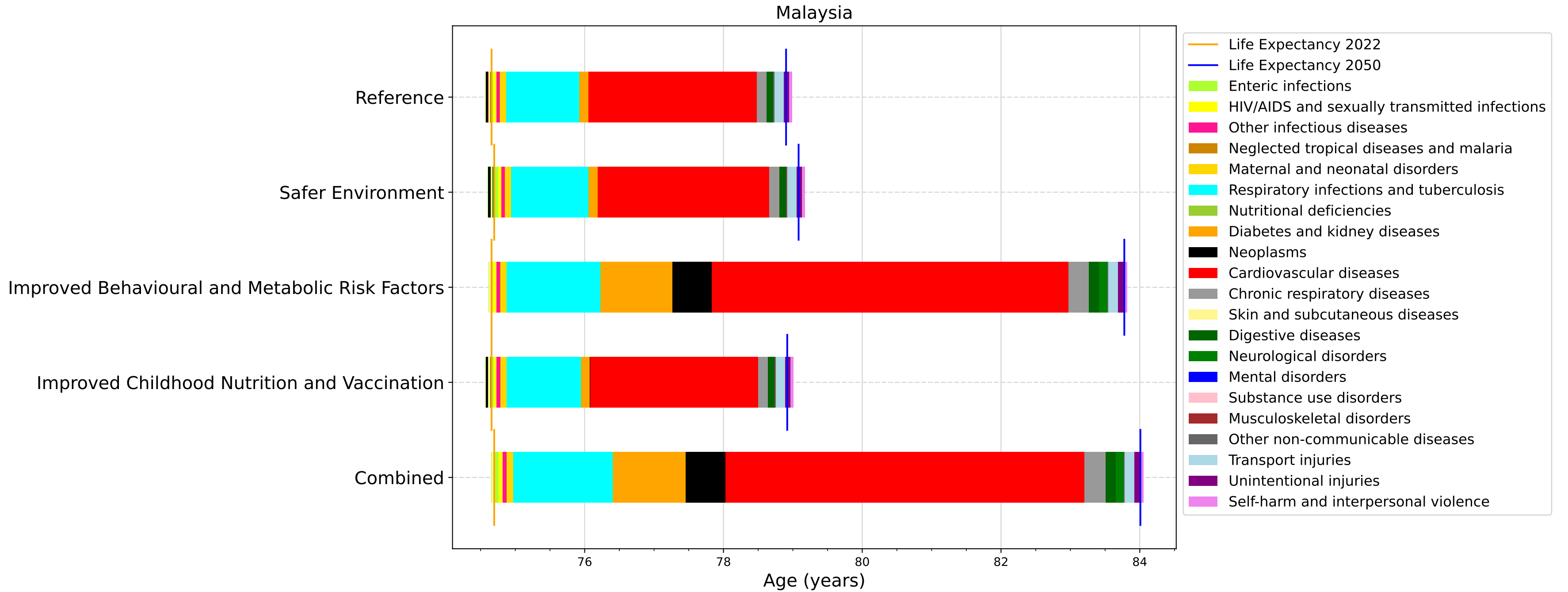


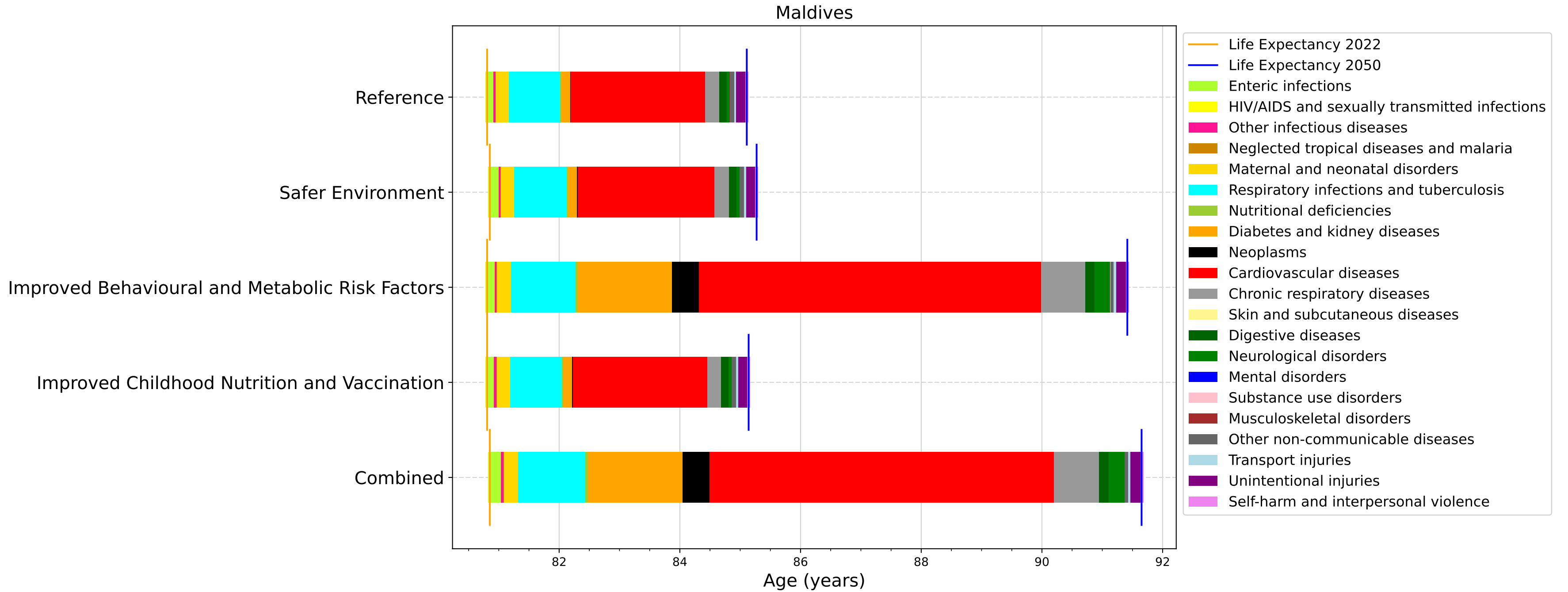


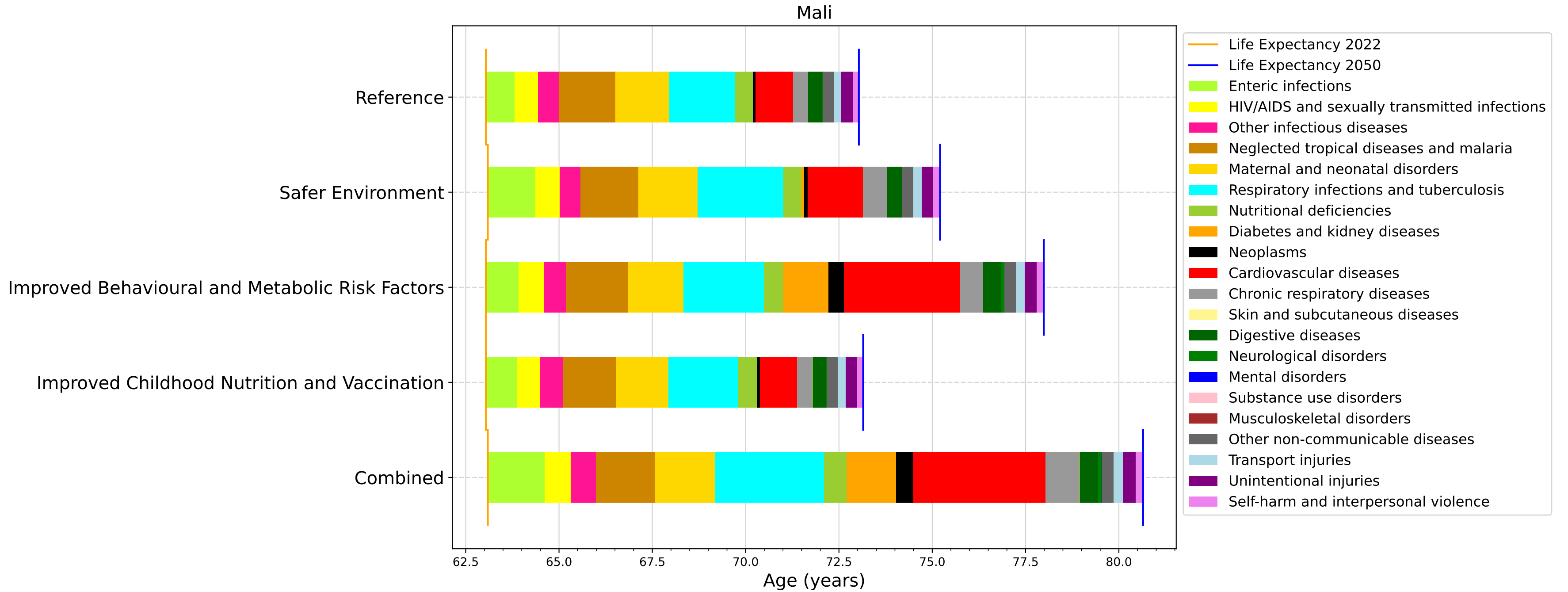


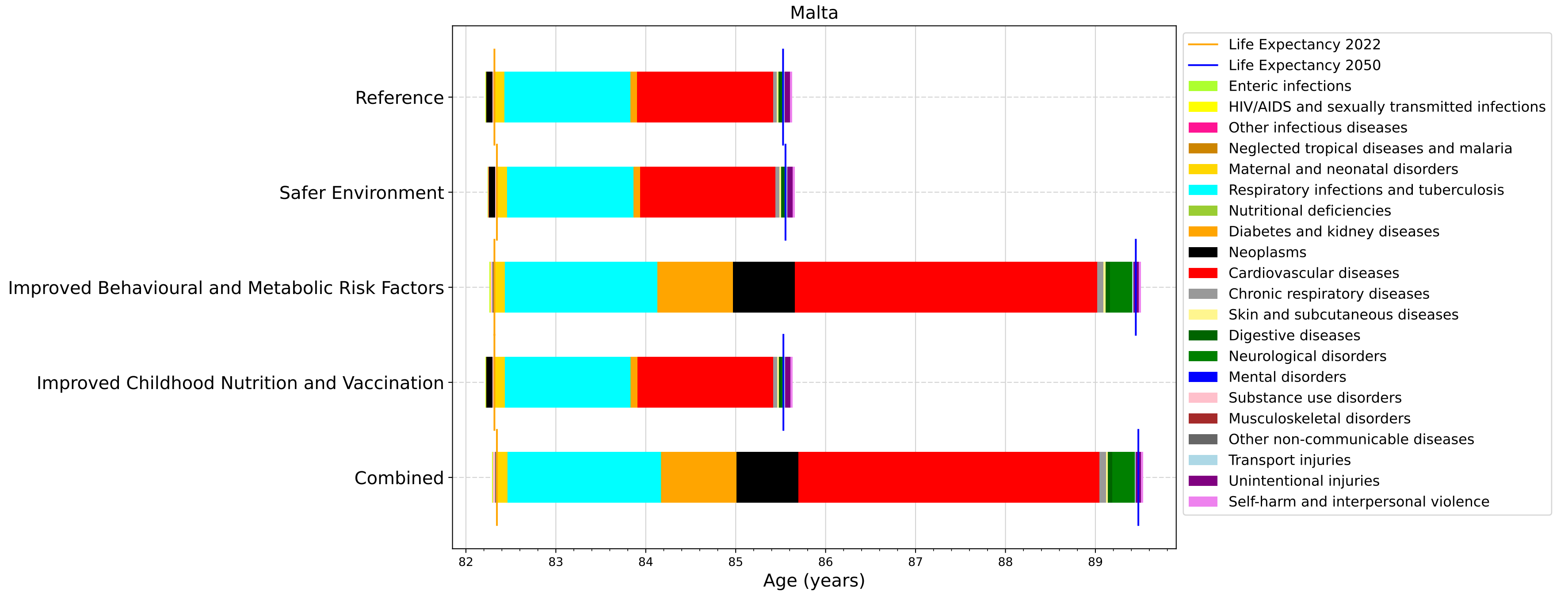




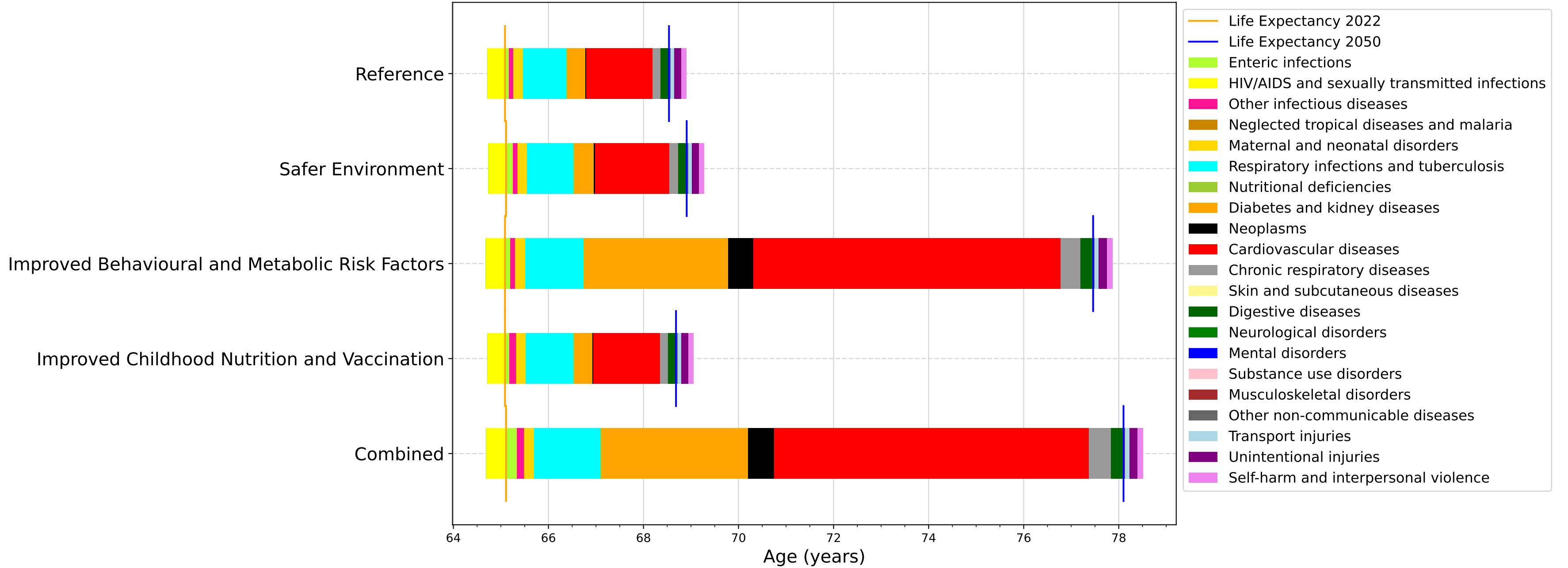


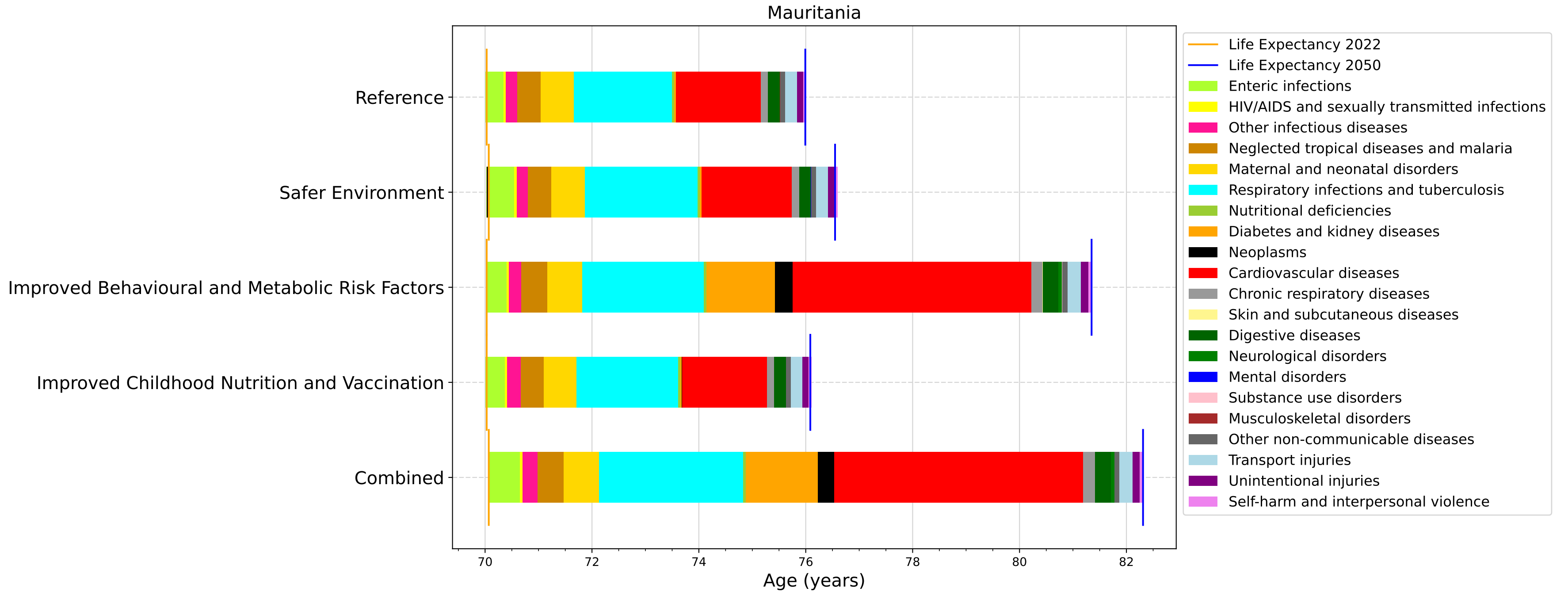




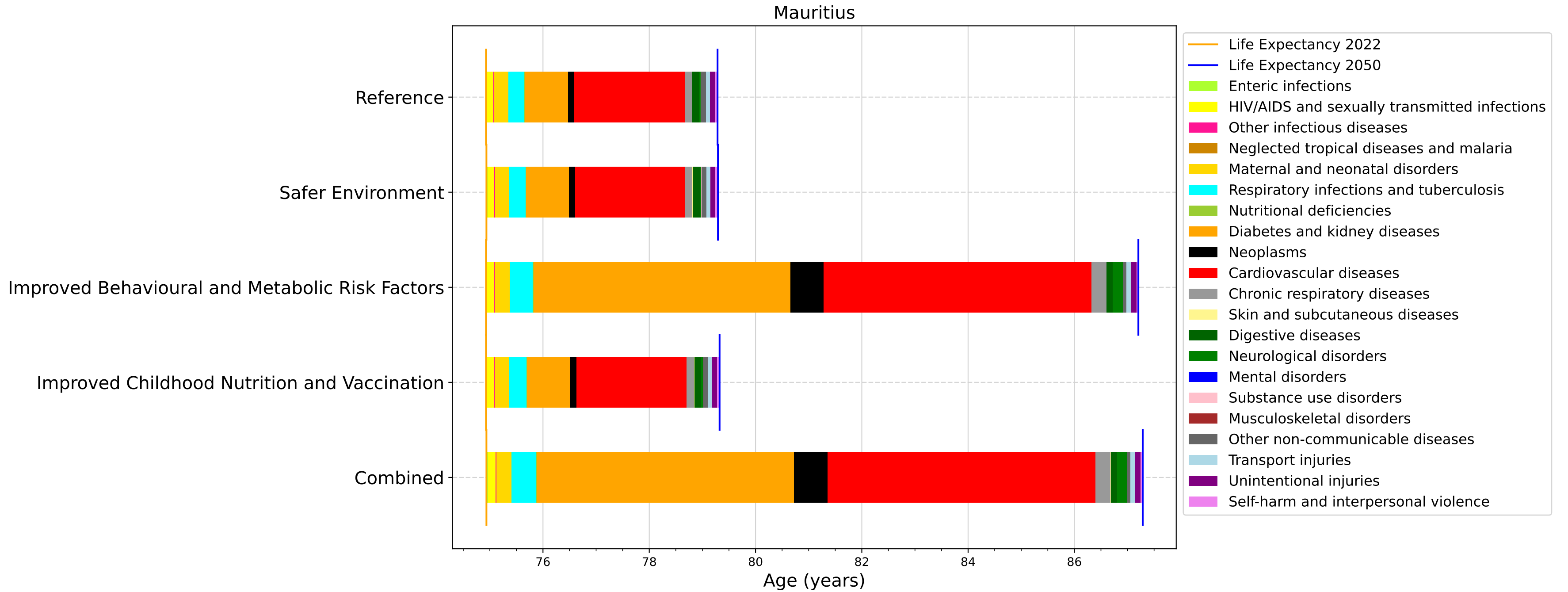


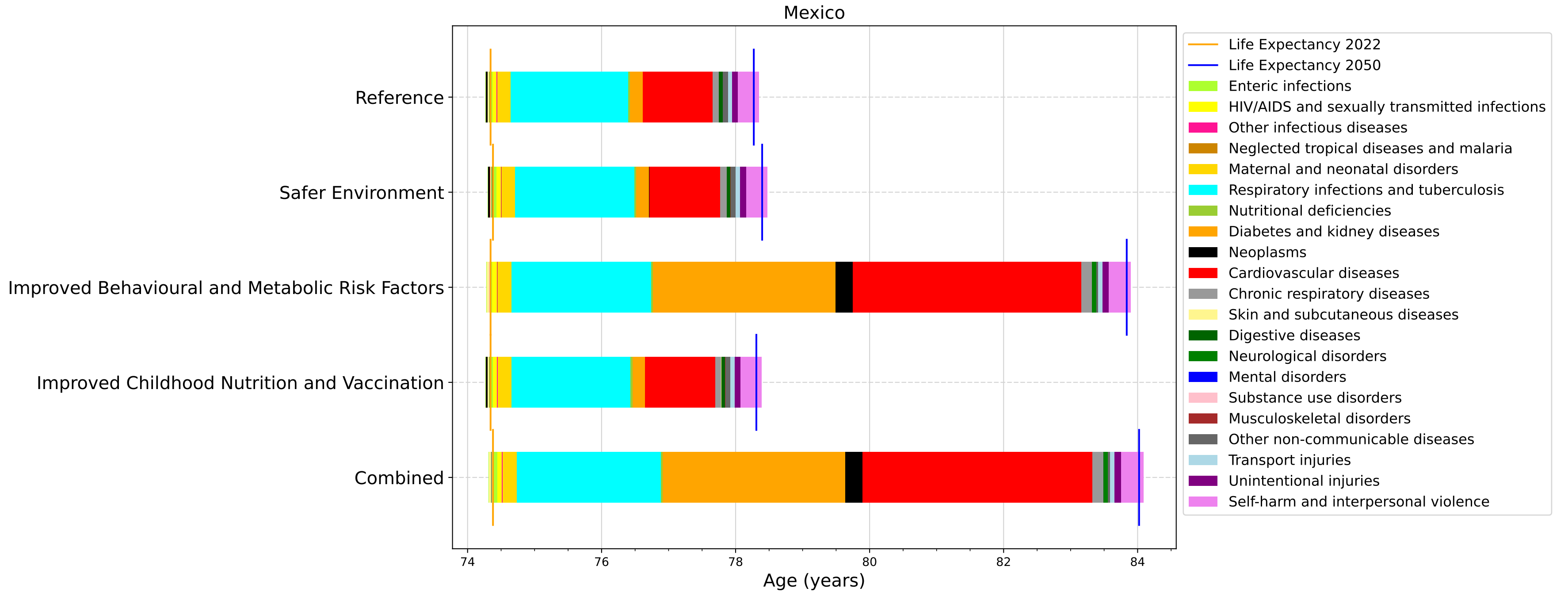
### Marshall Islands

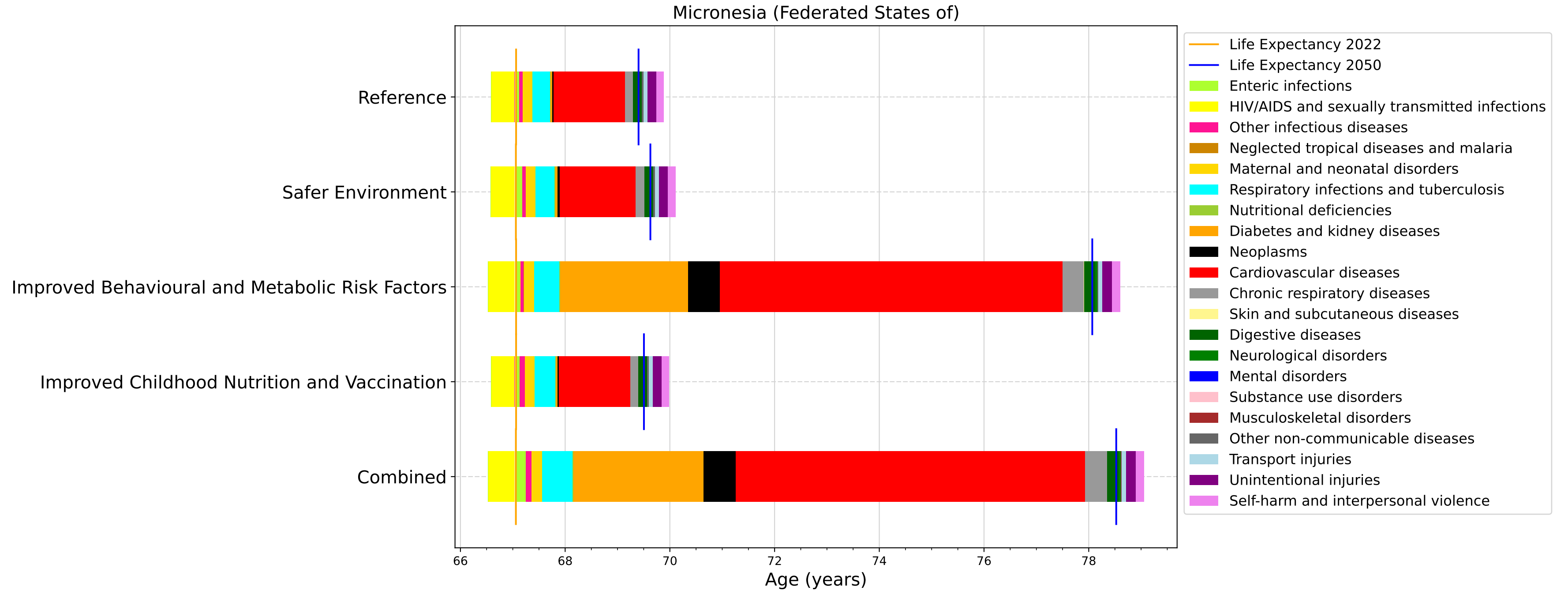




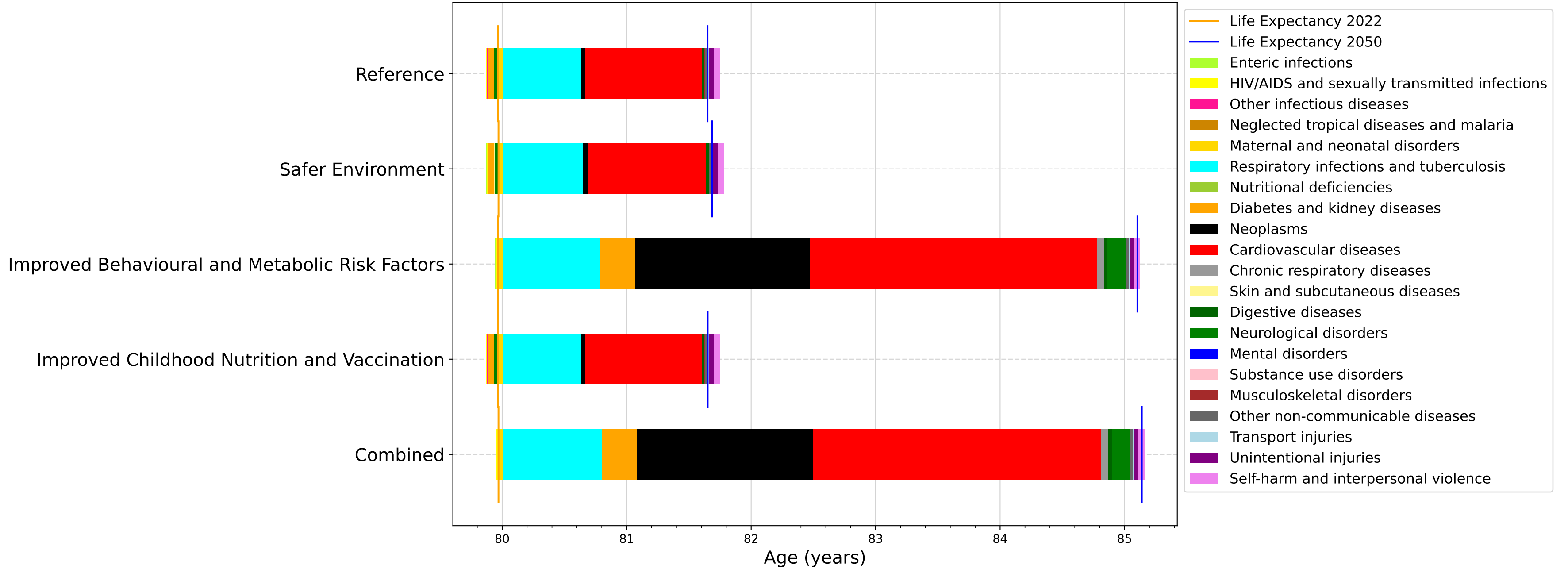


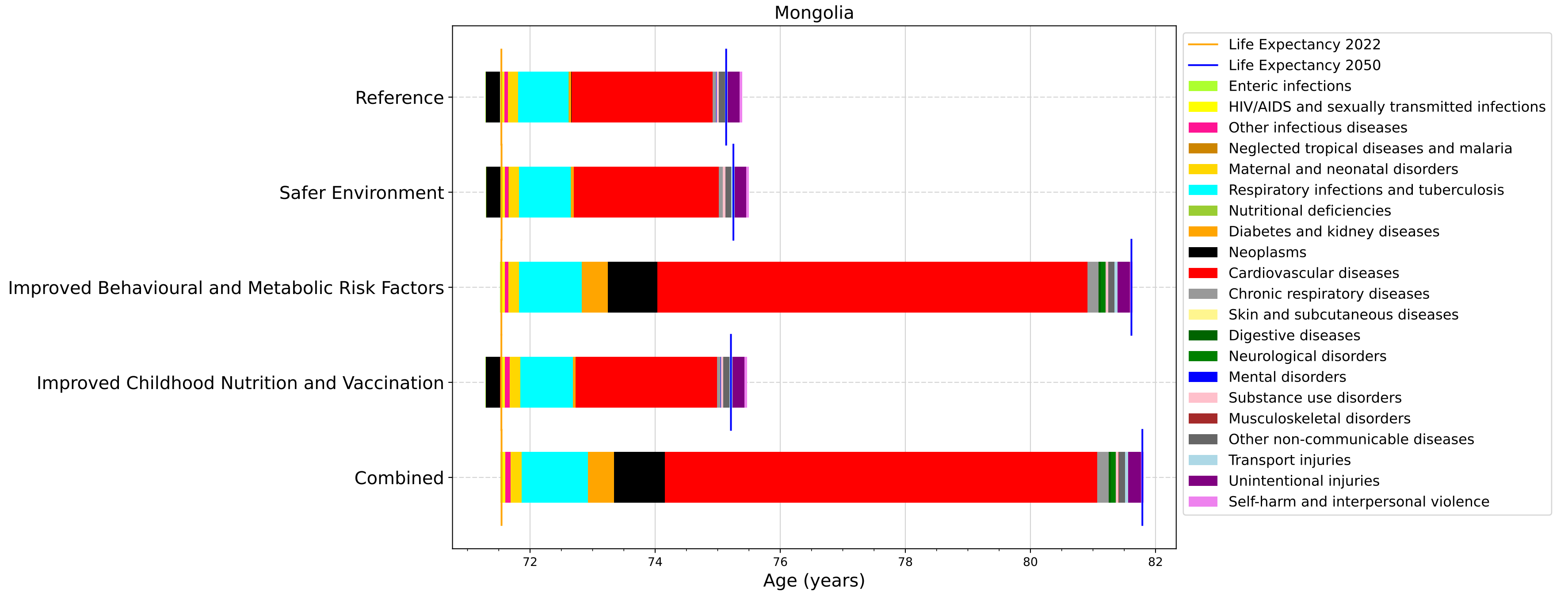




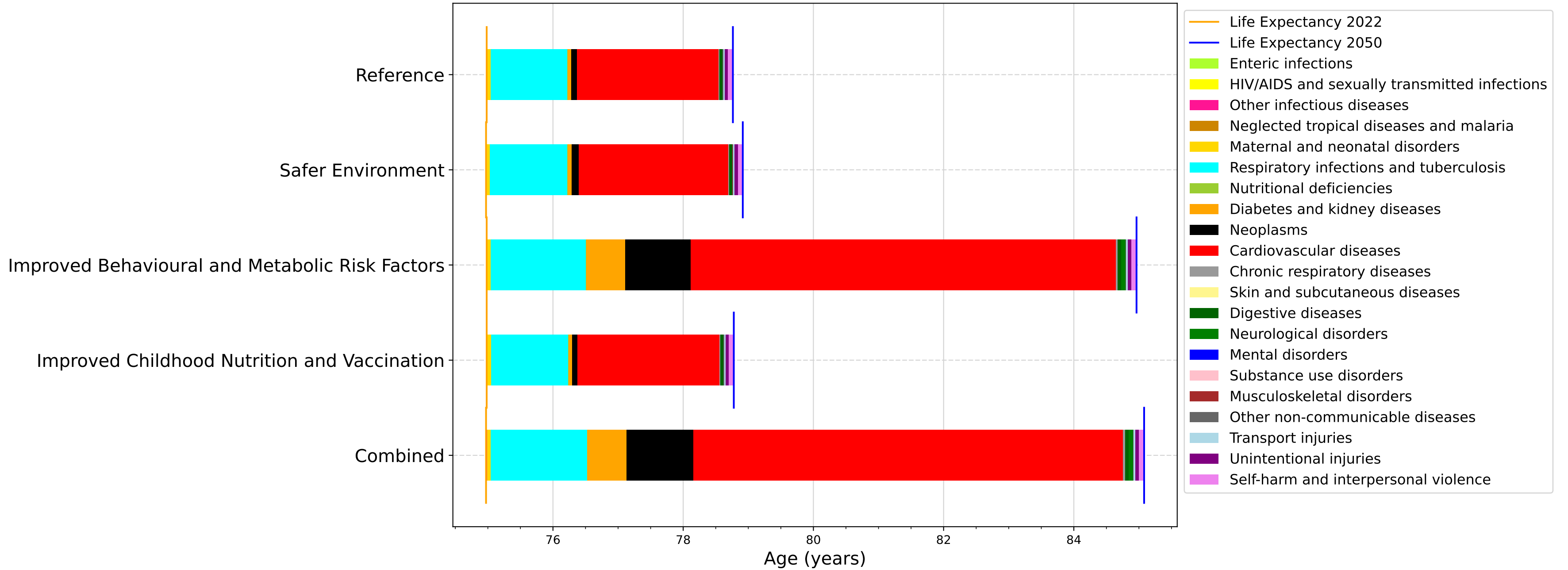


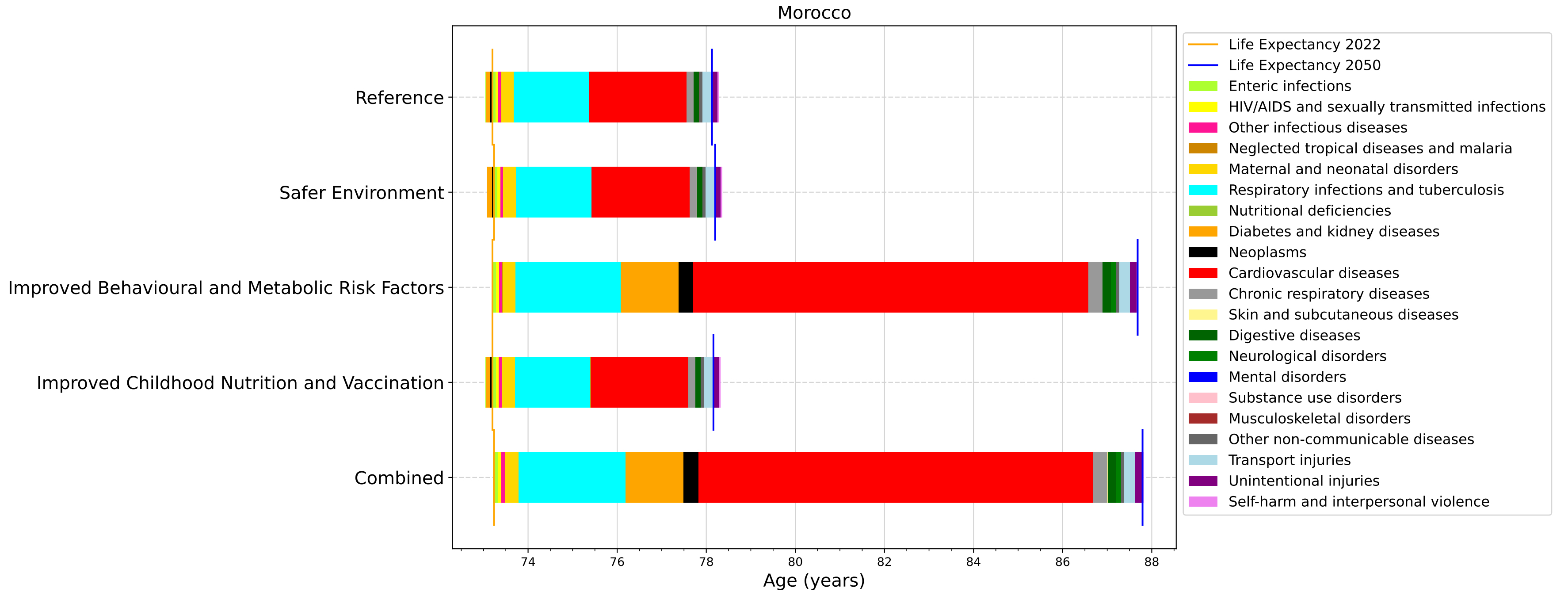
Monaco

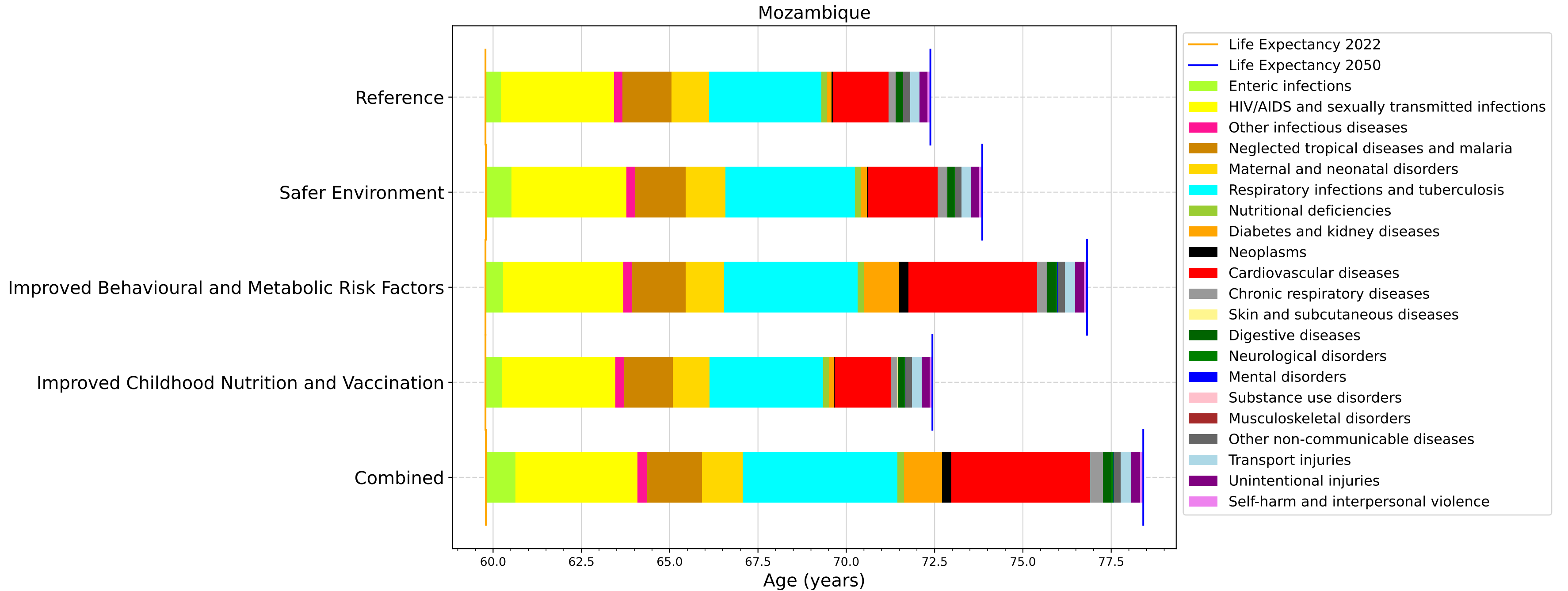




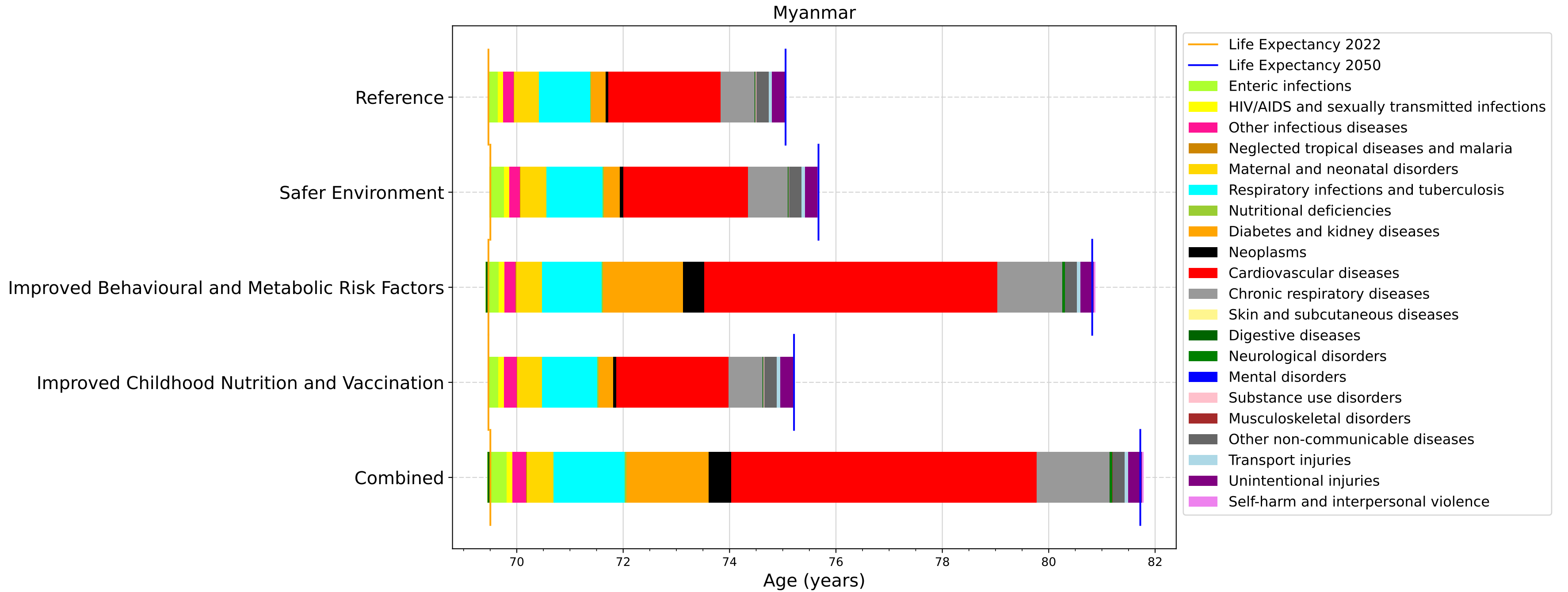
### Montenegro

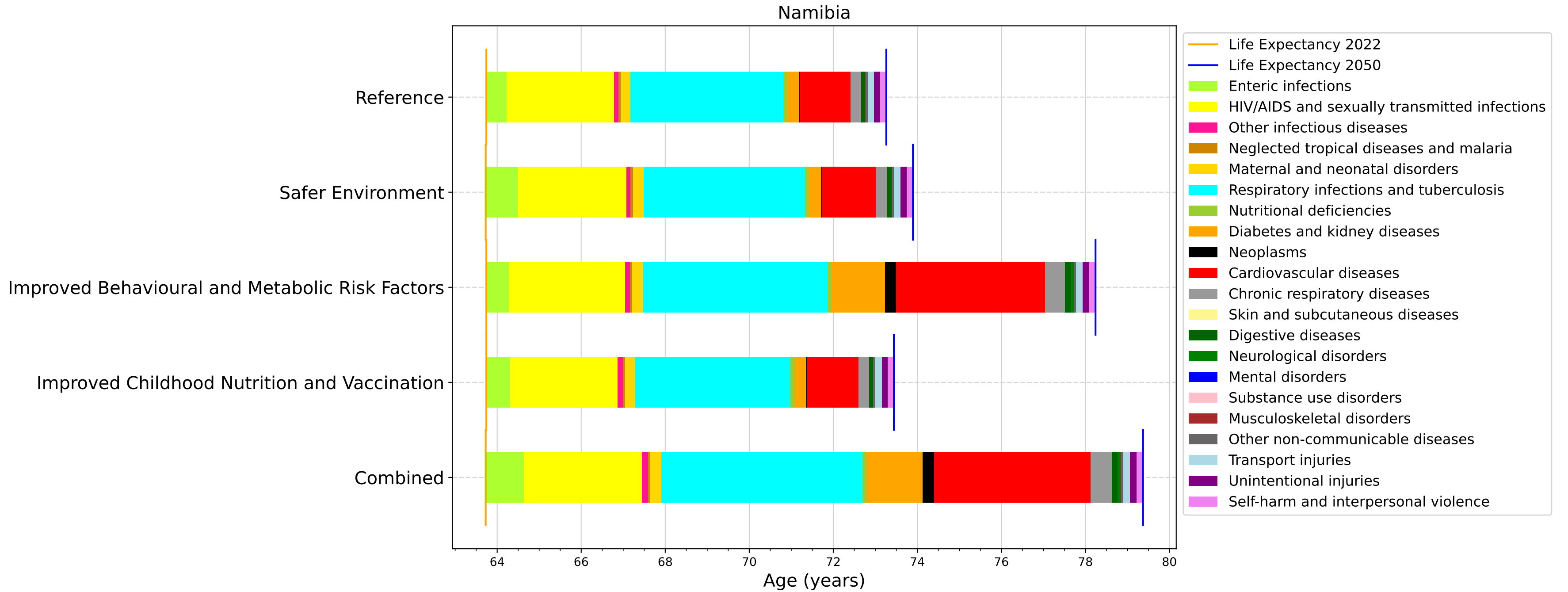


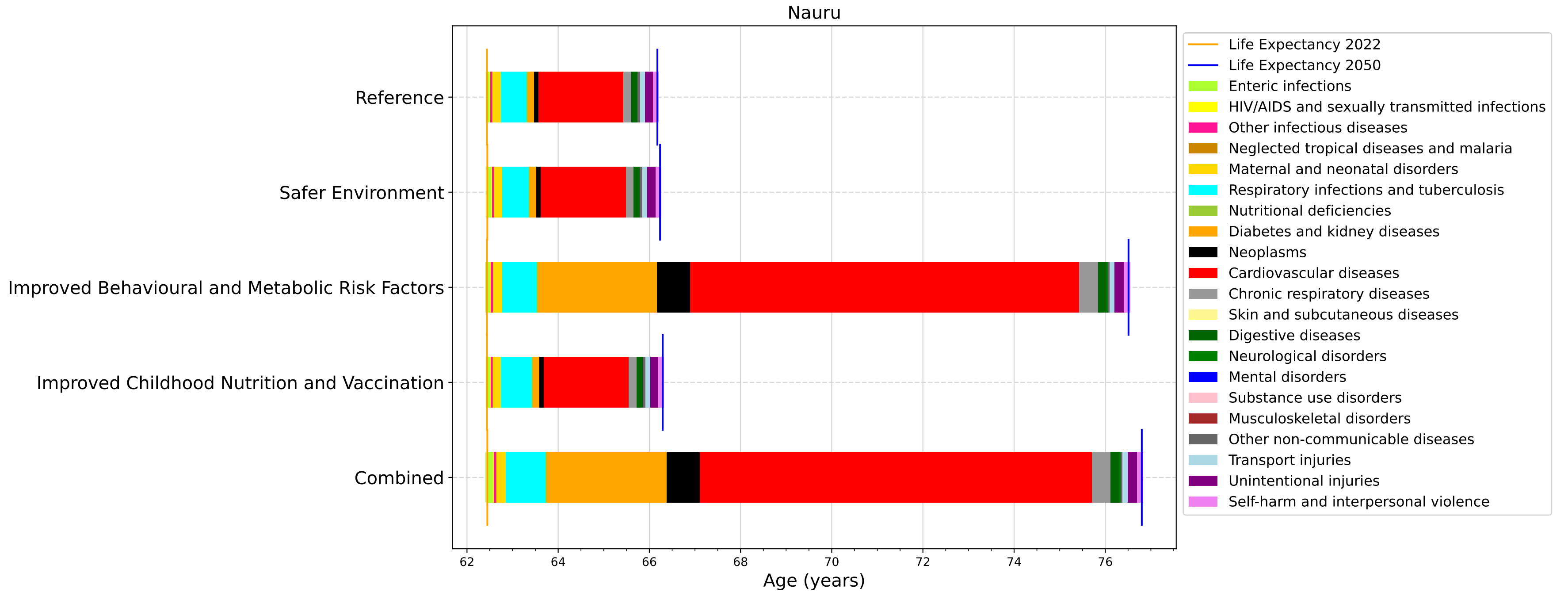


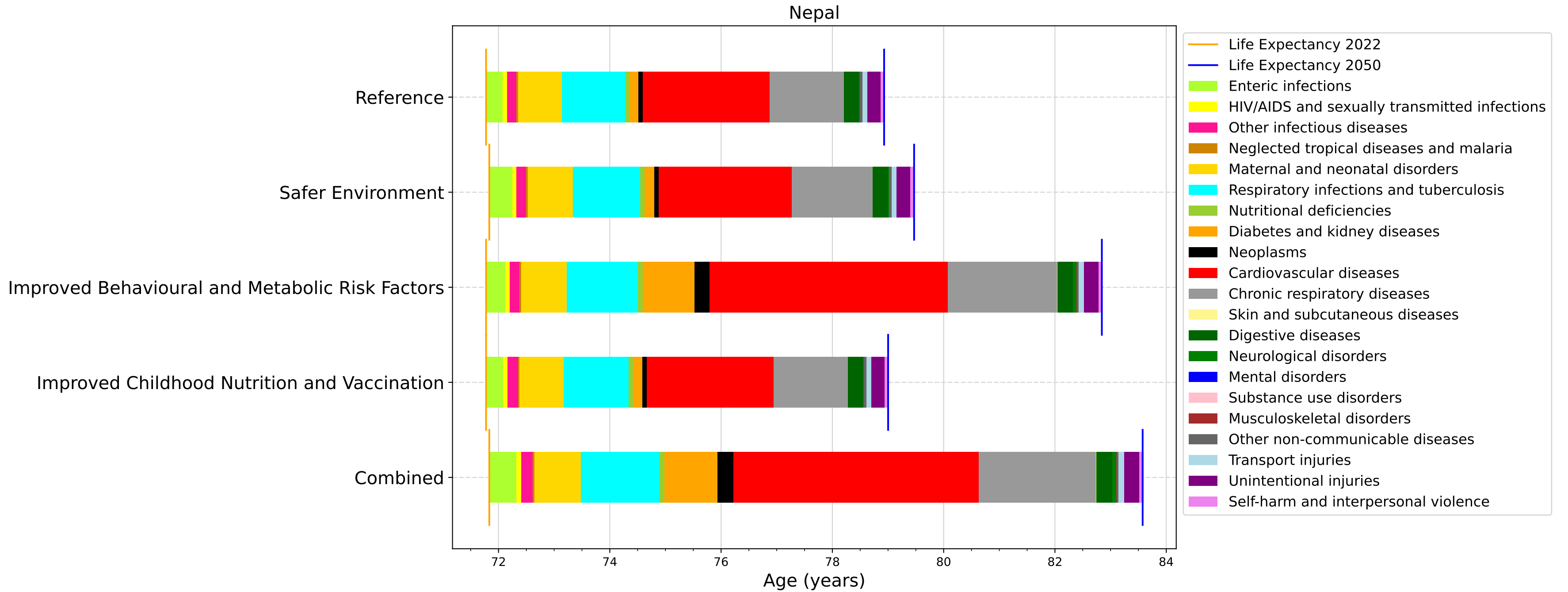




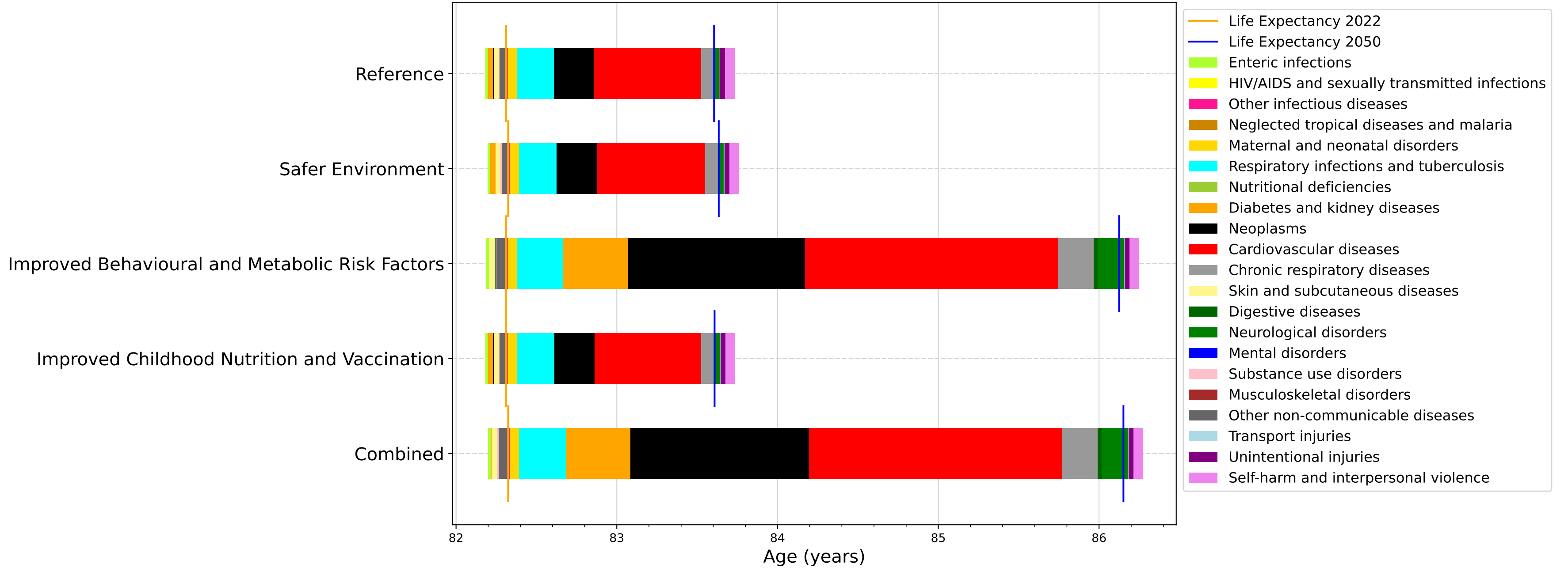


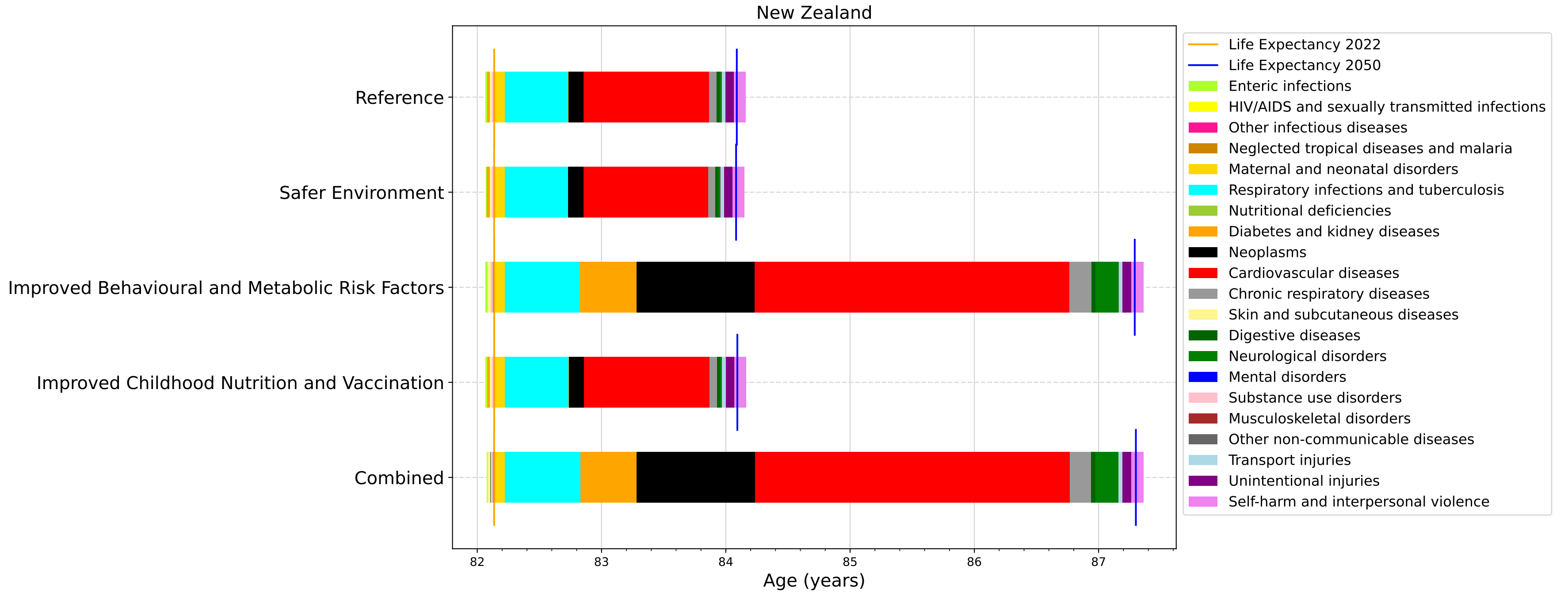


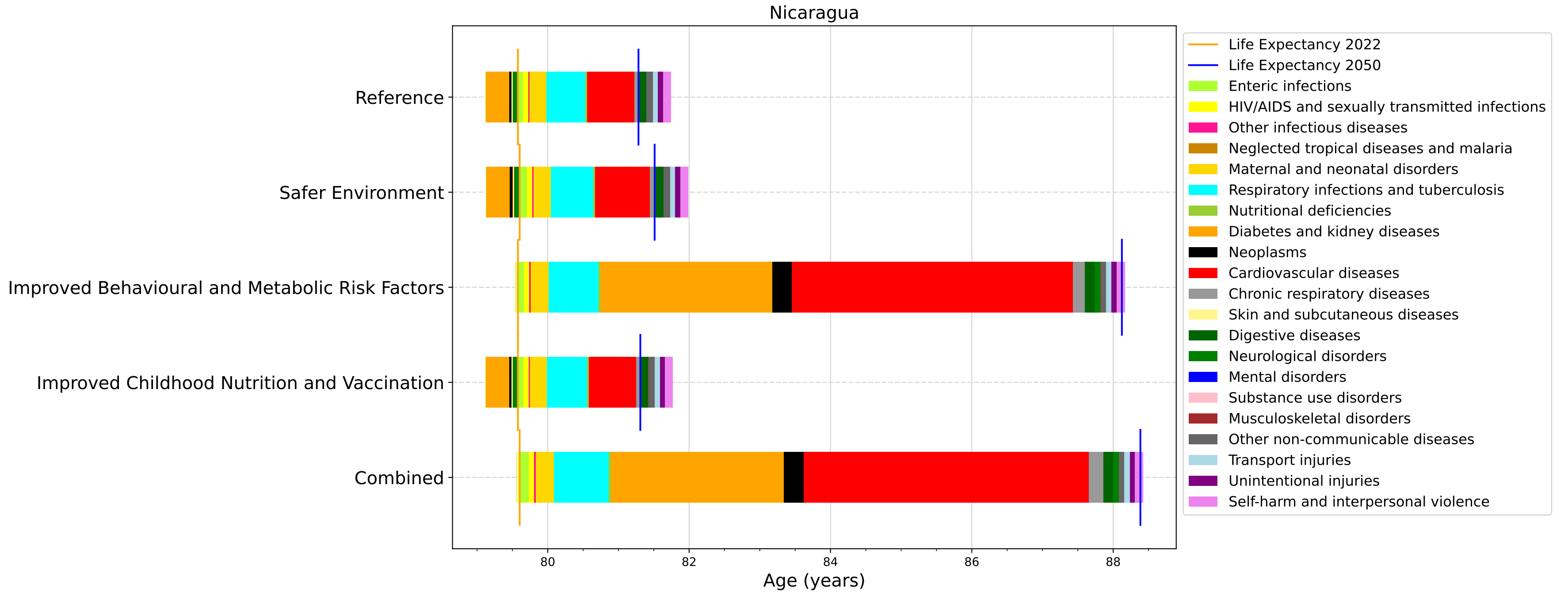


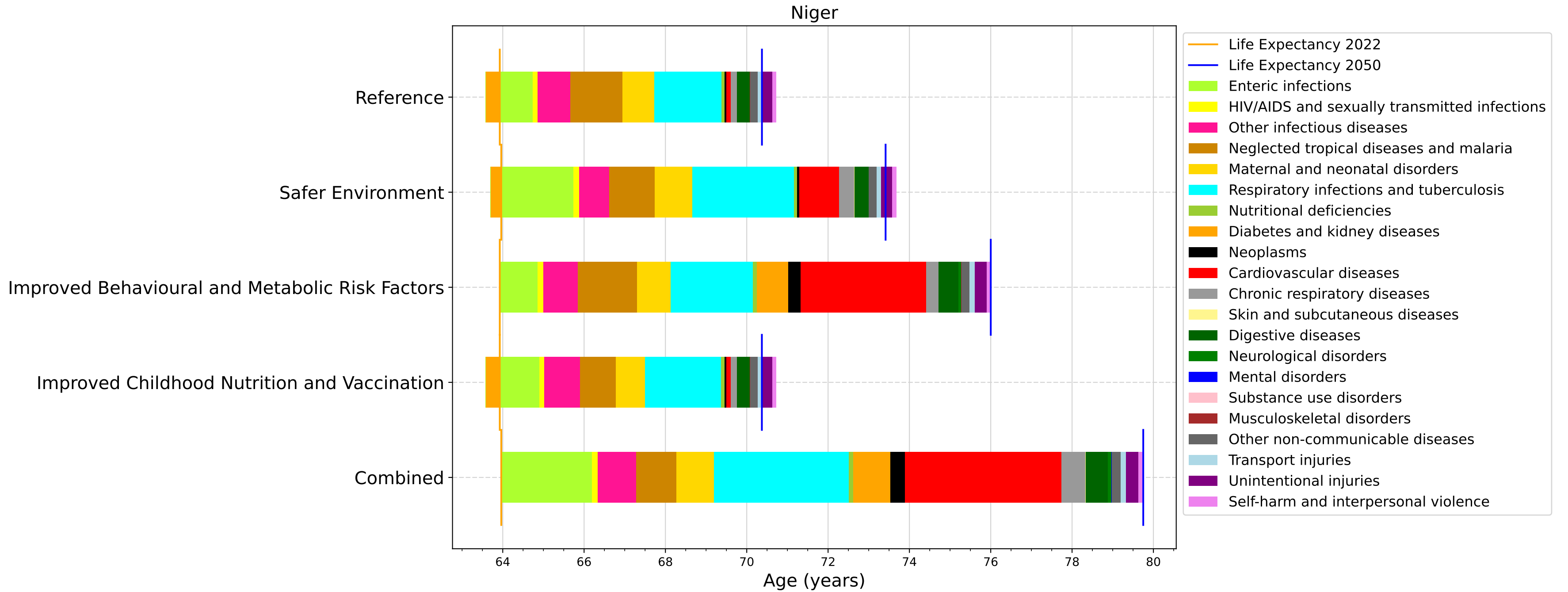


Netherlands

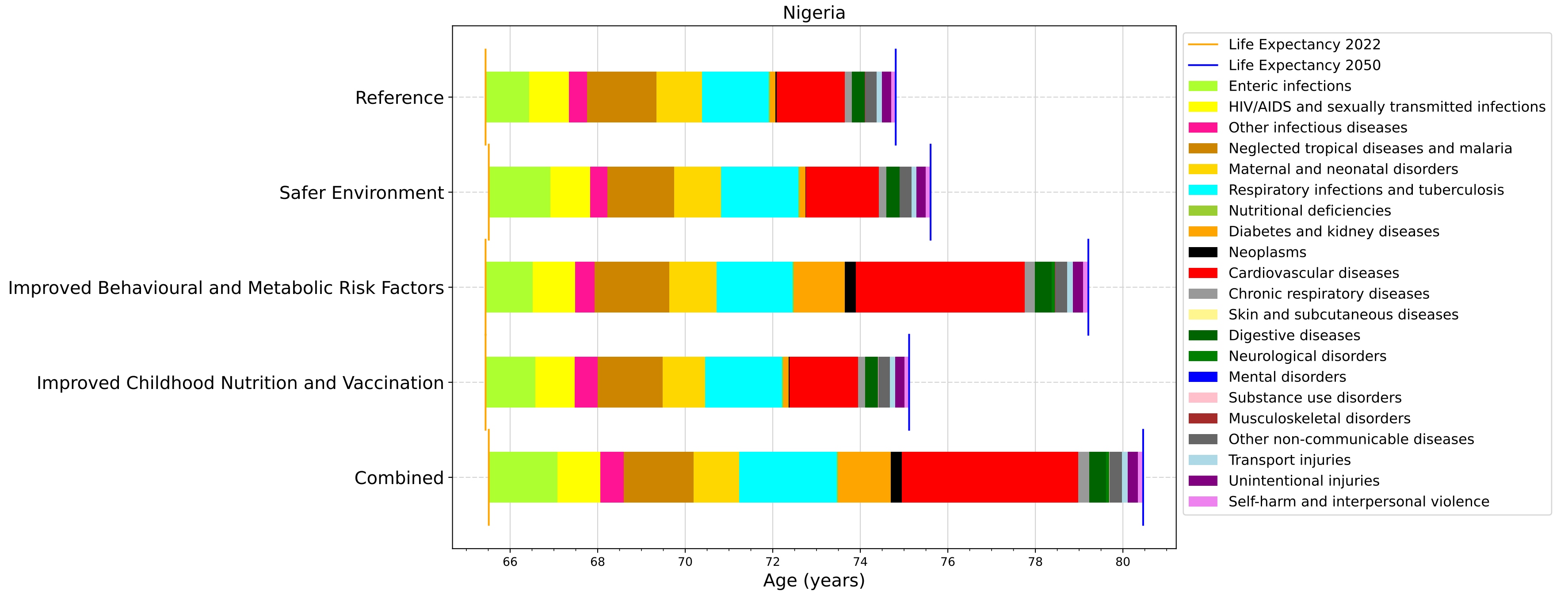


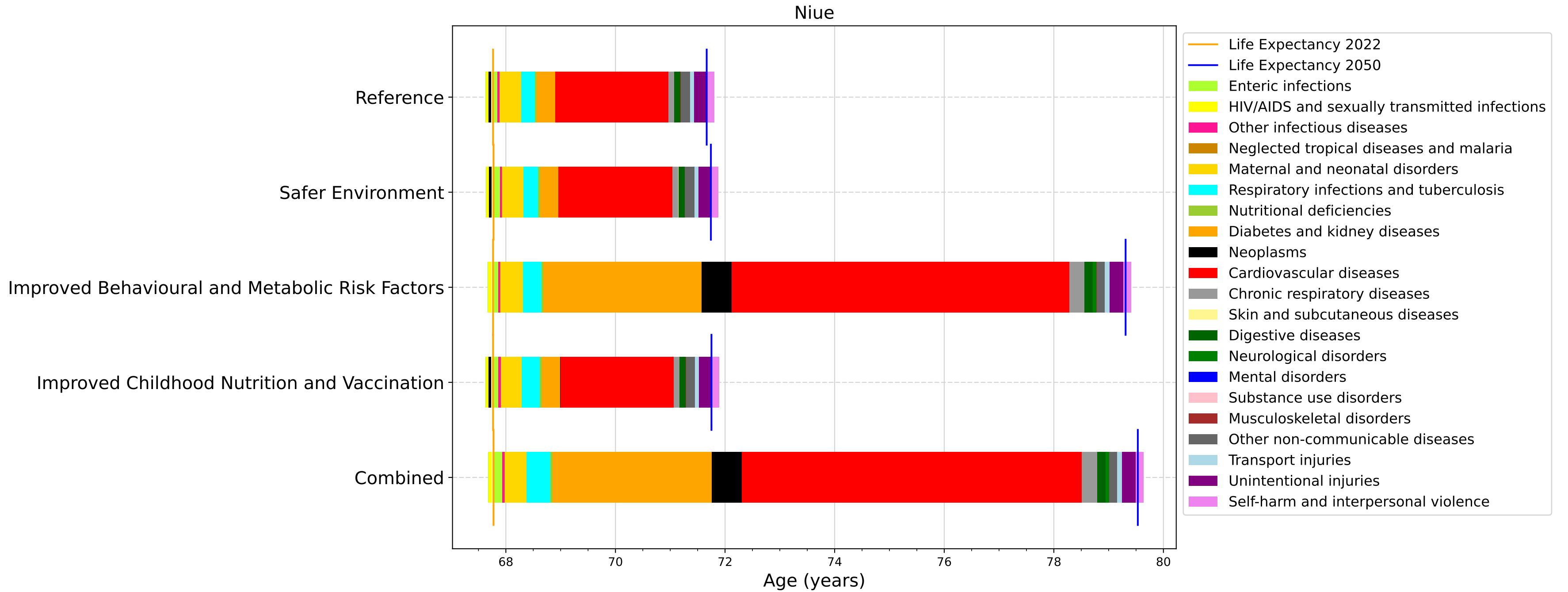


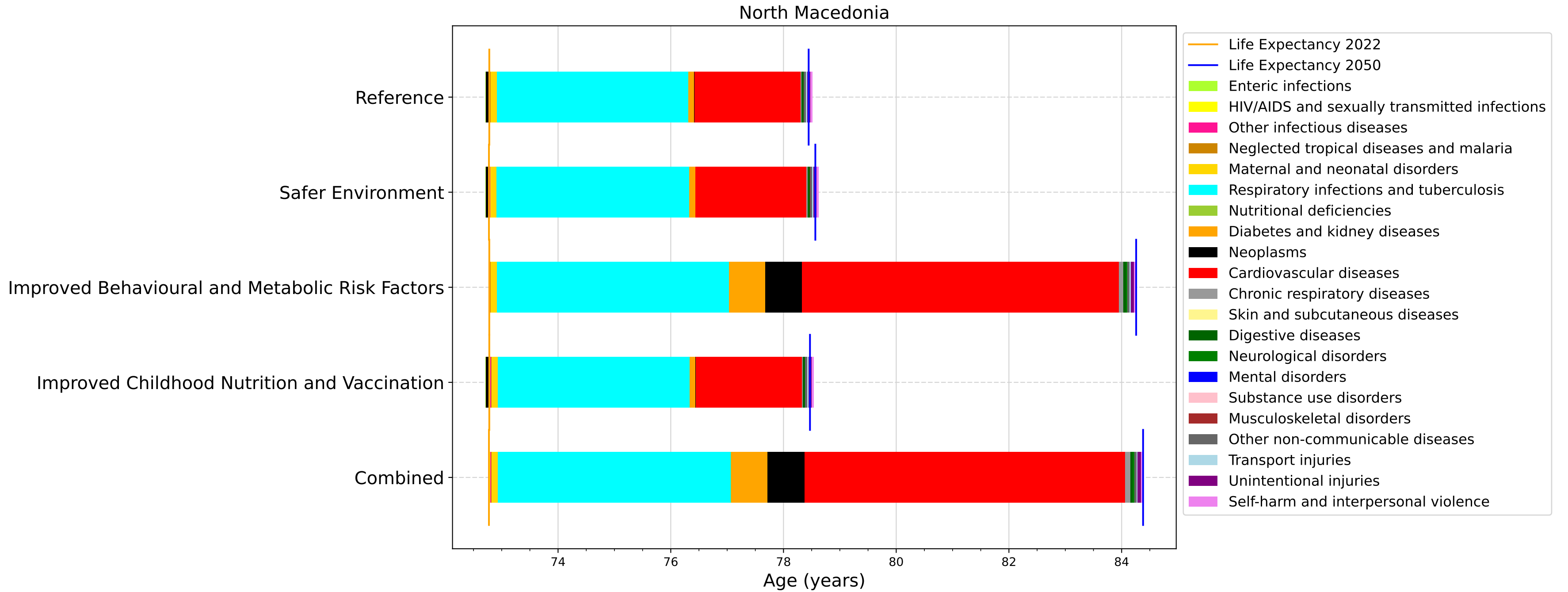




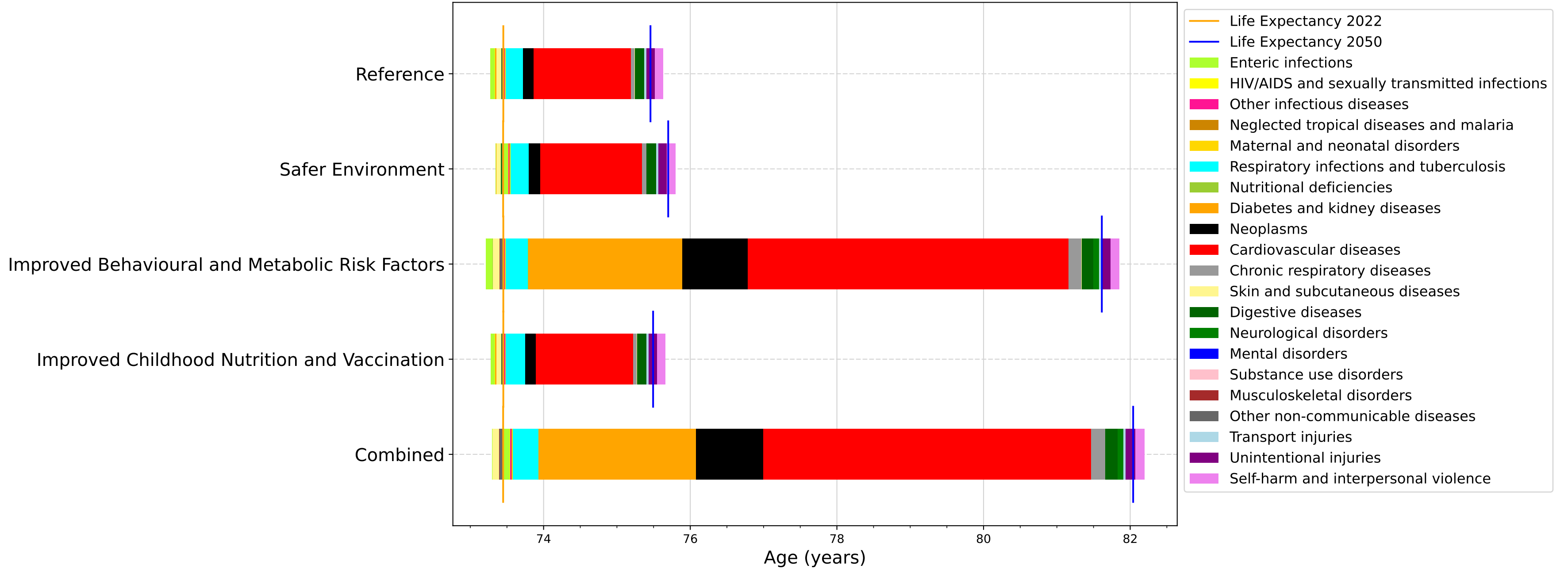


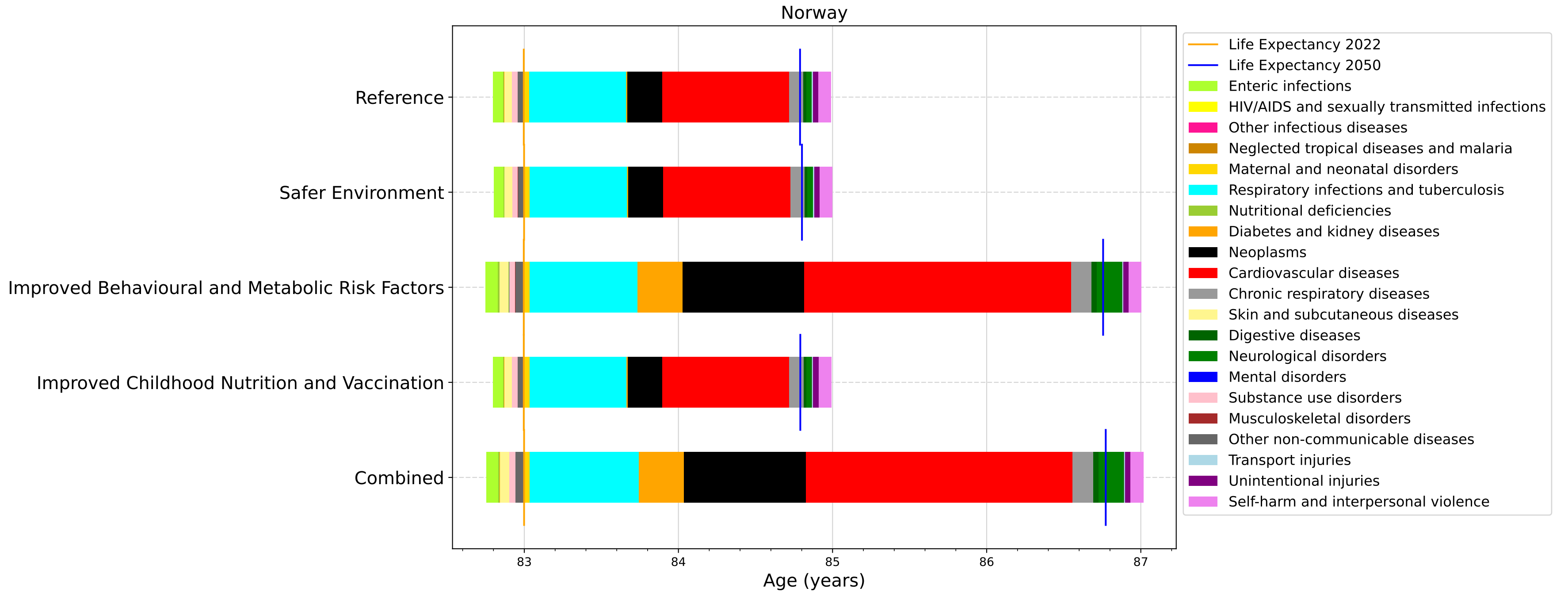


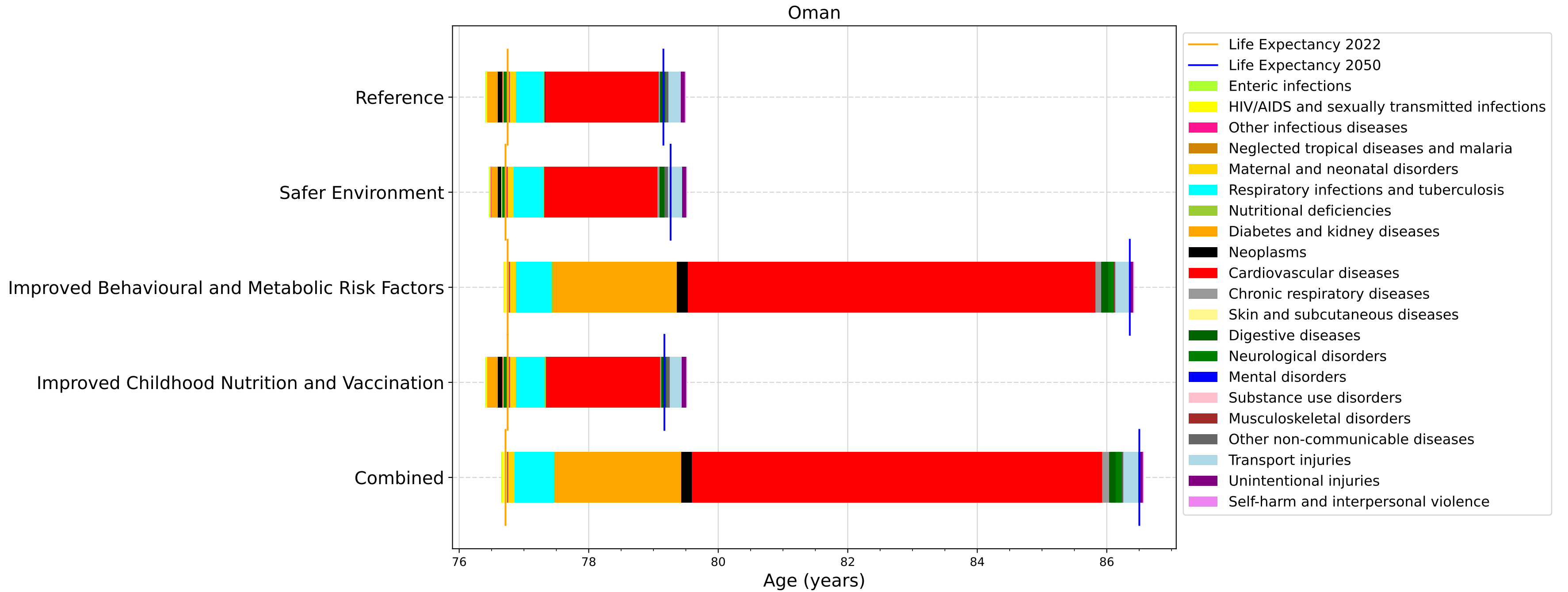


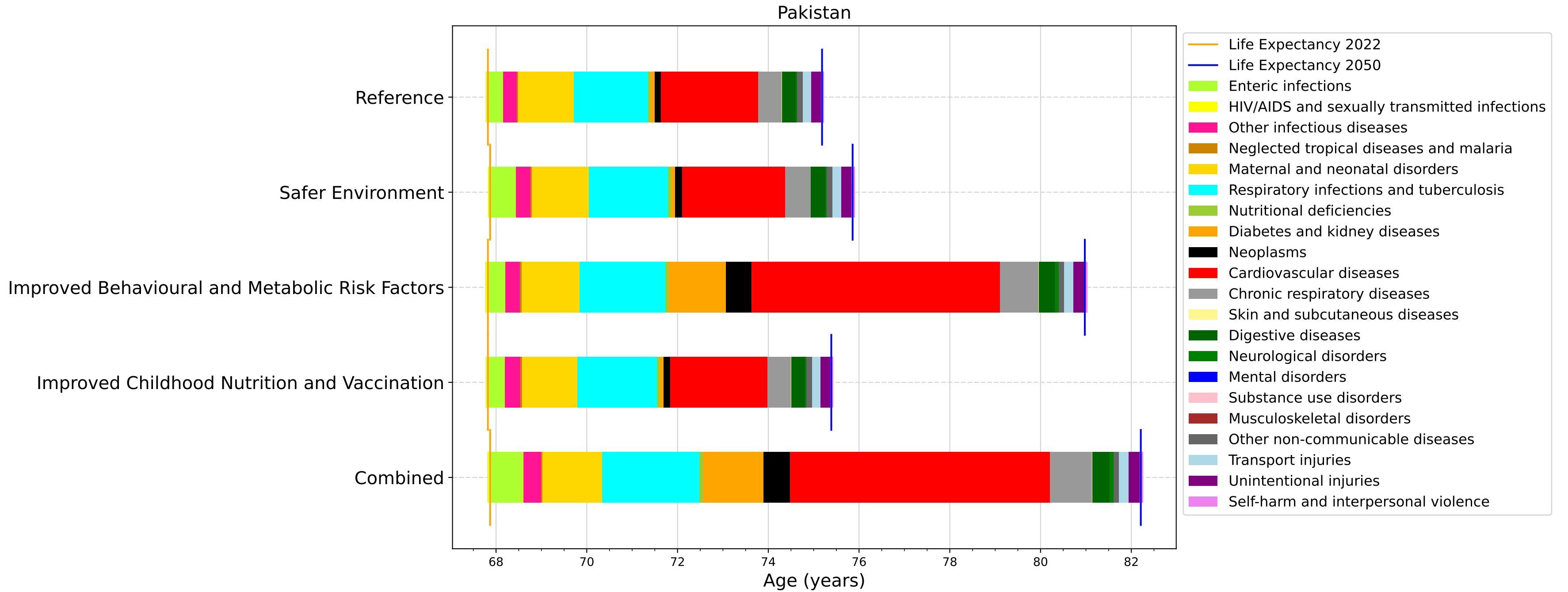


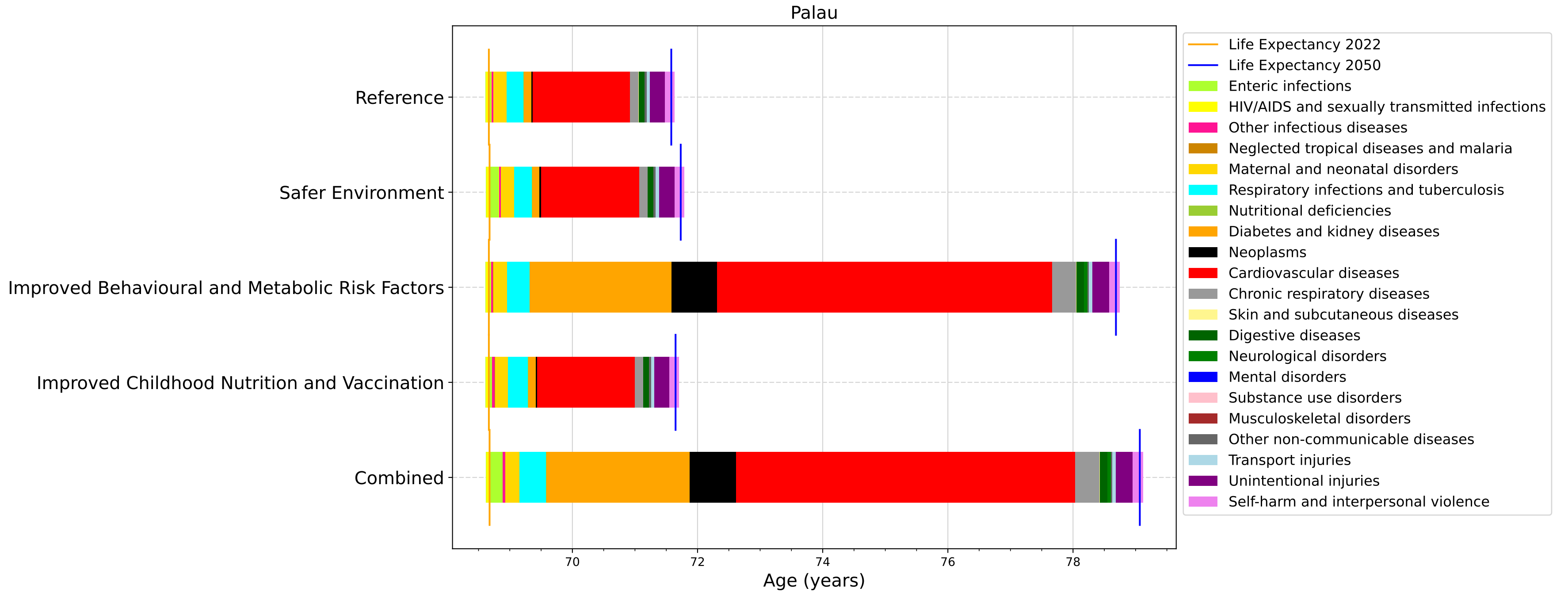
### Northern Mariana Islands



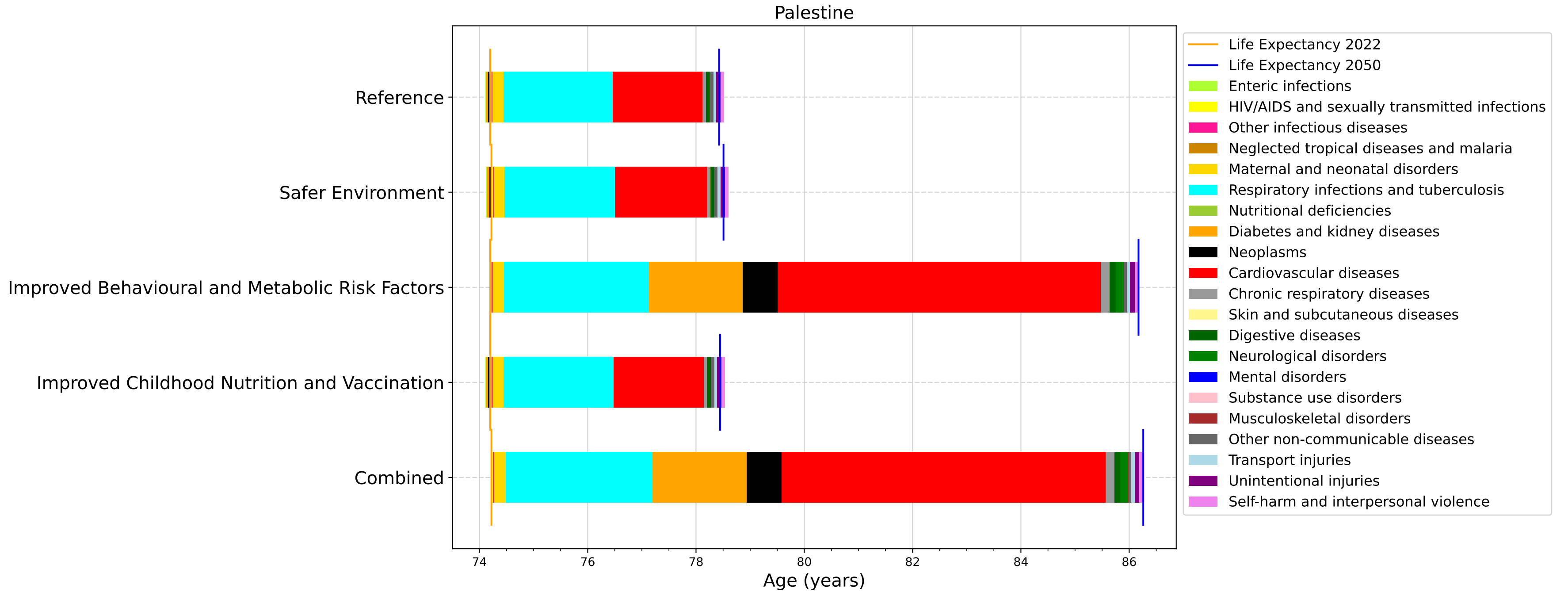


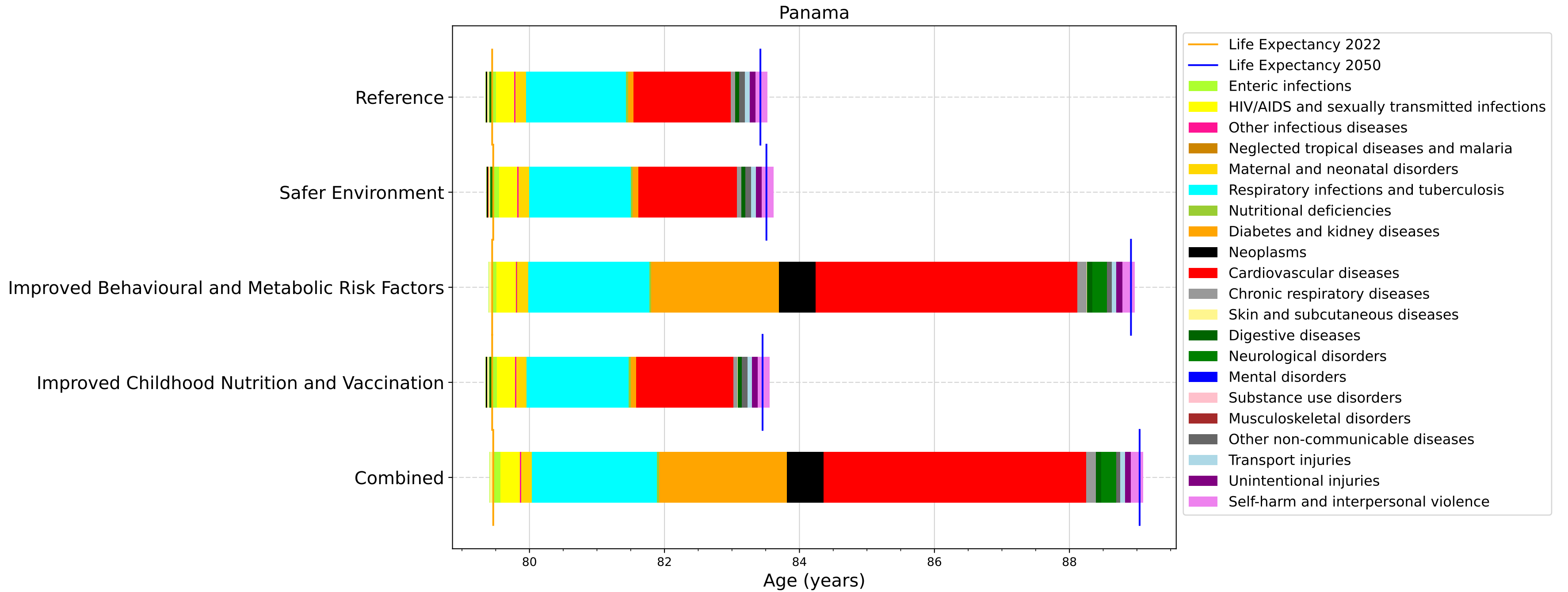




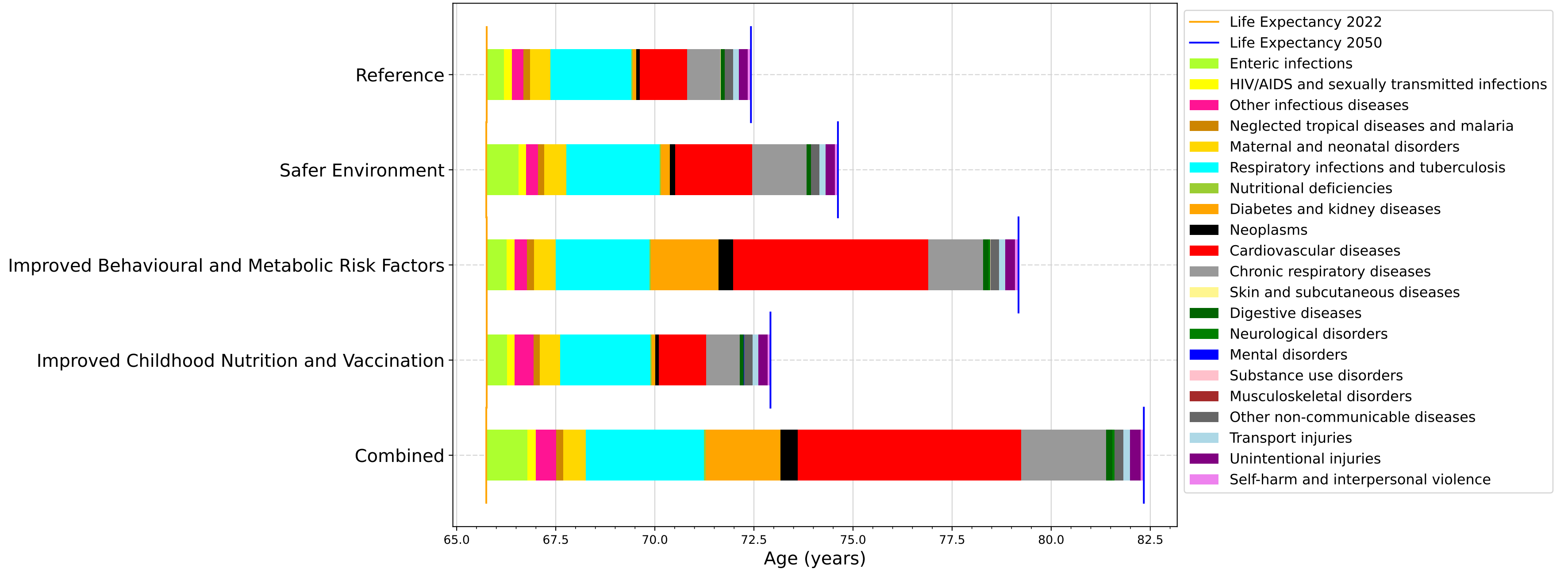


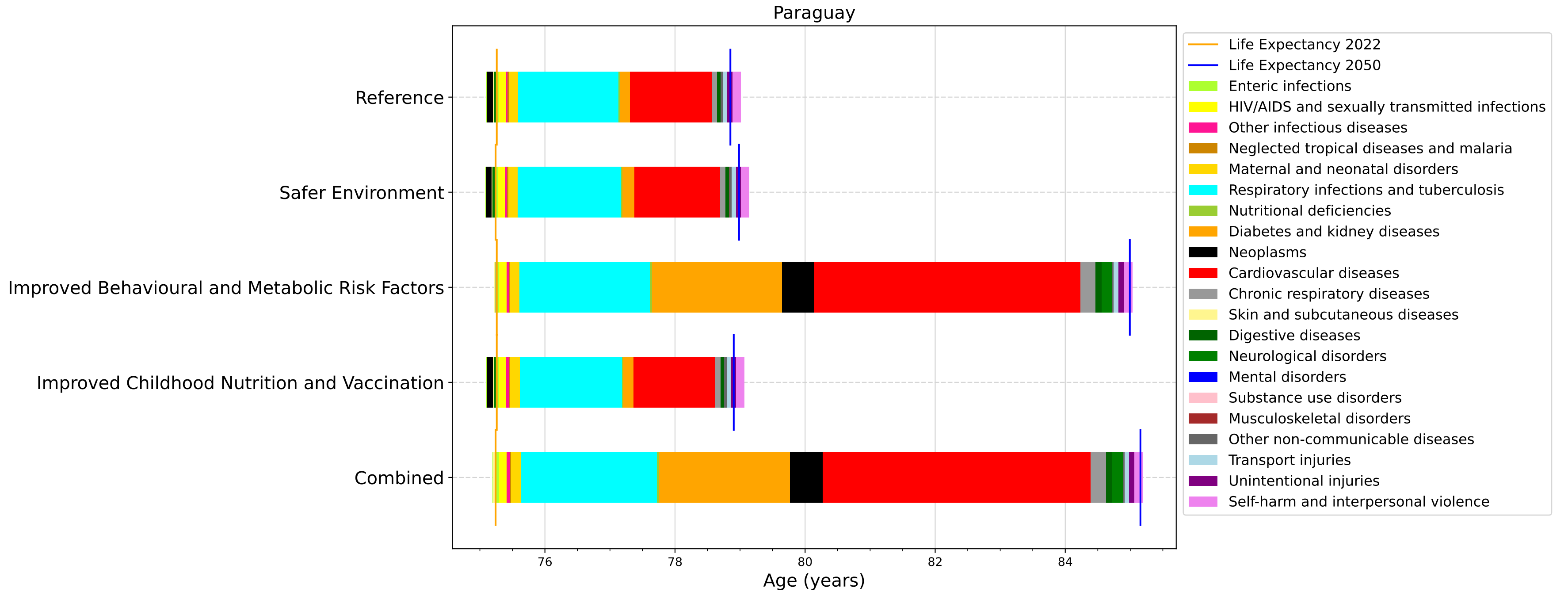


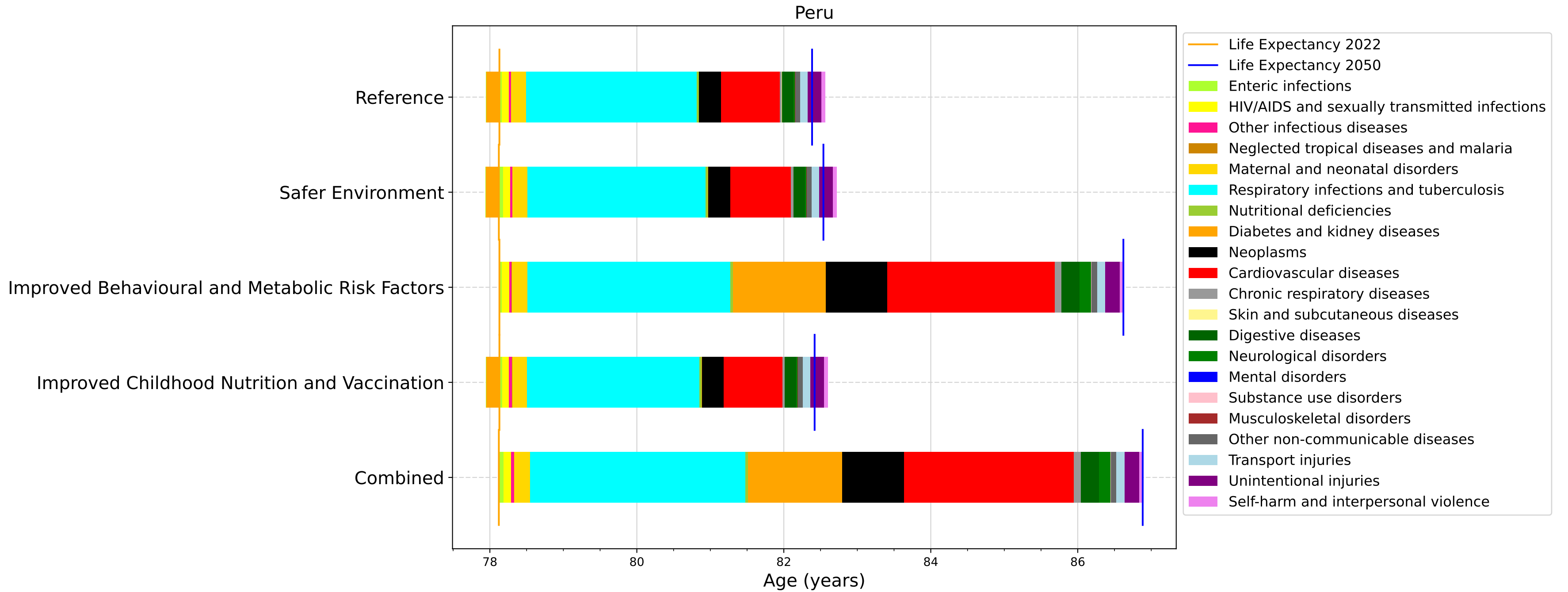


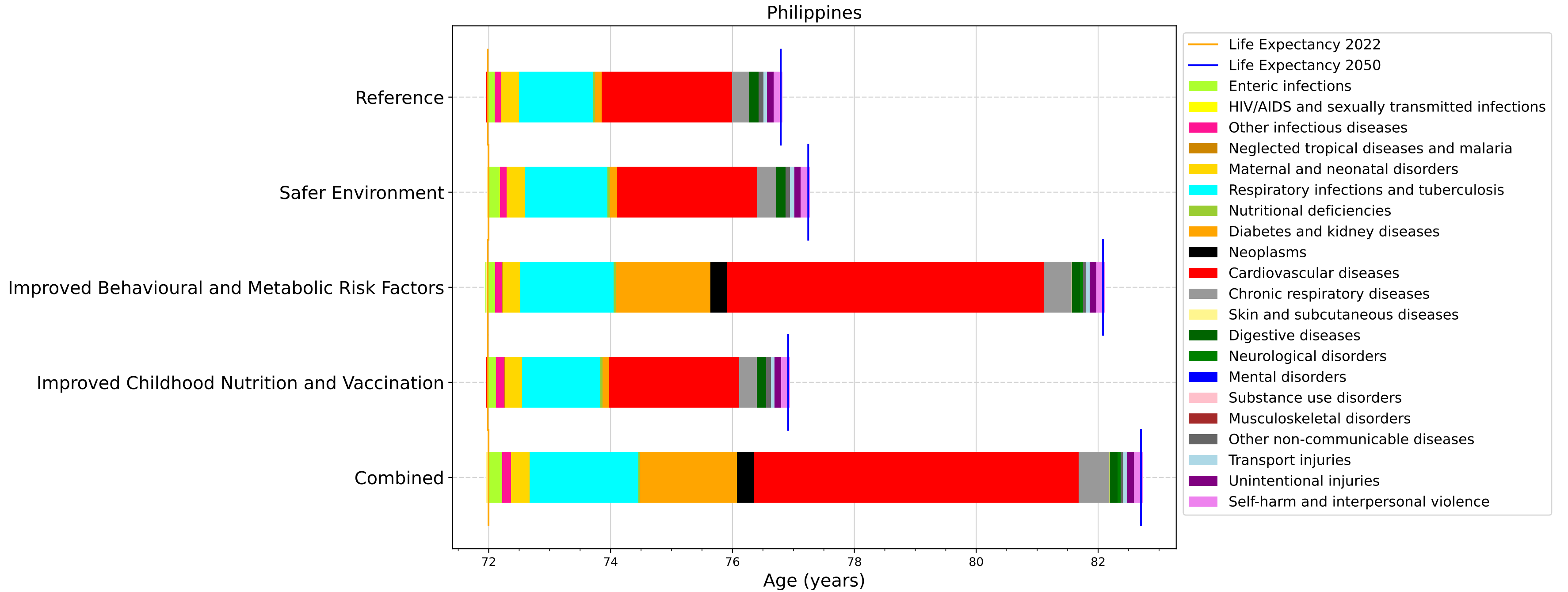


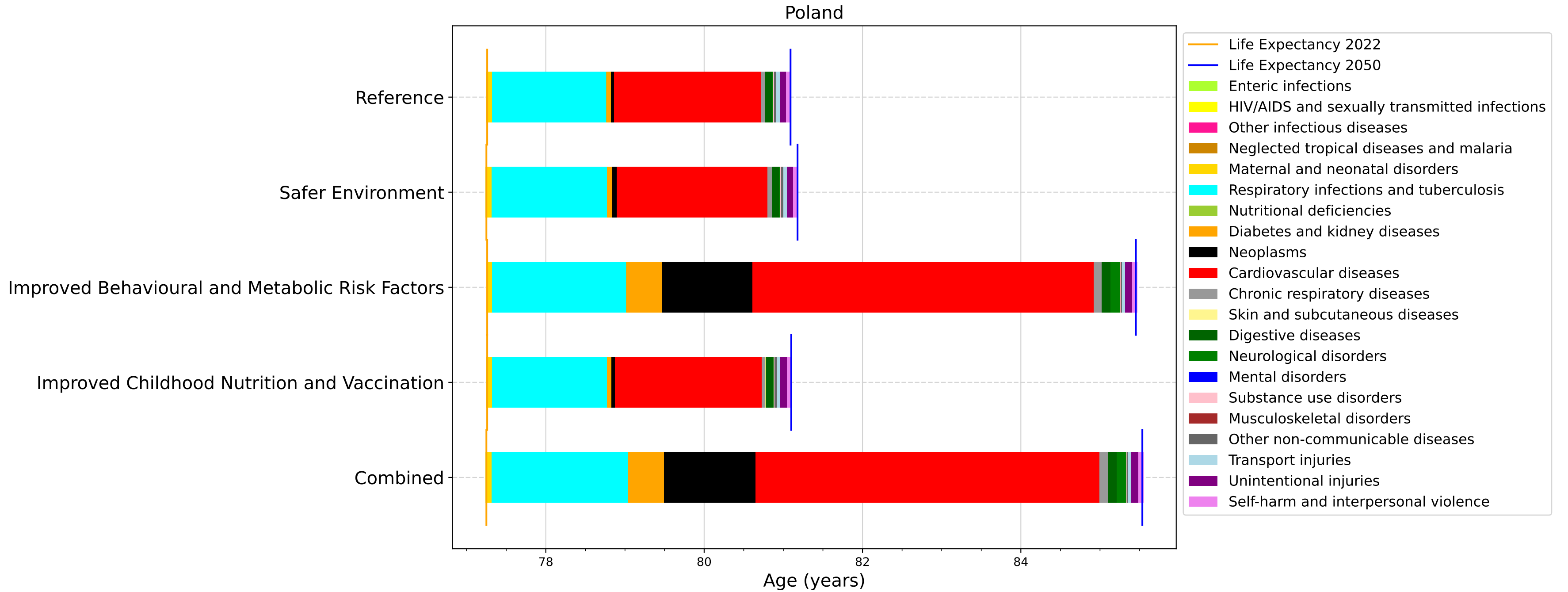
Papua New Guinea

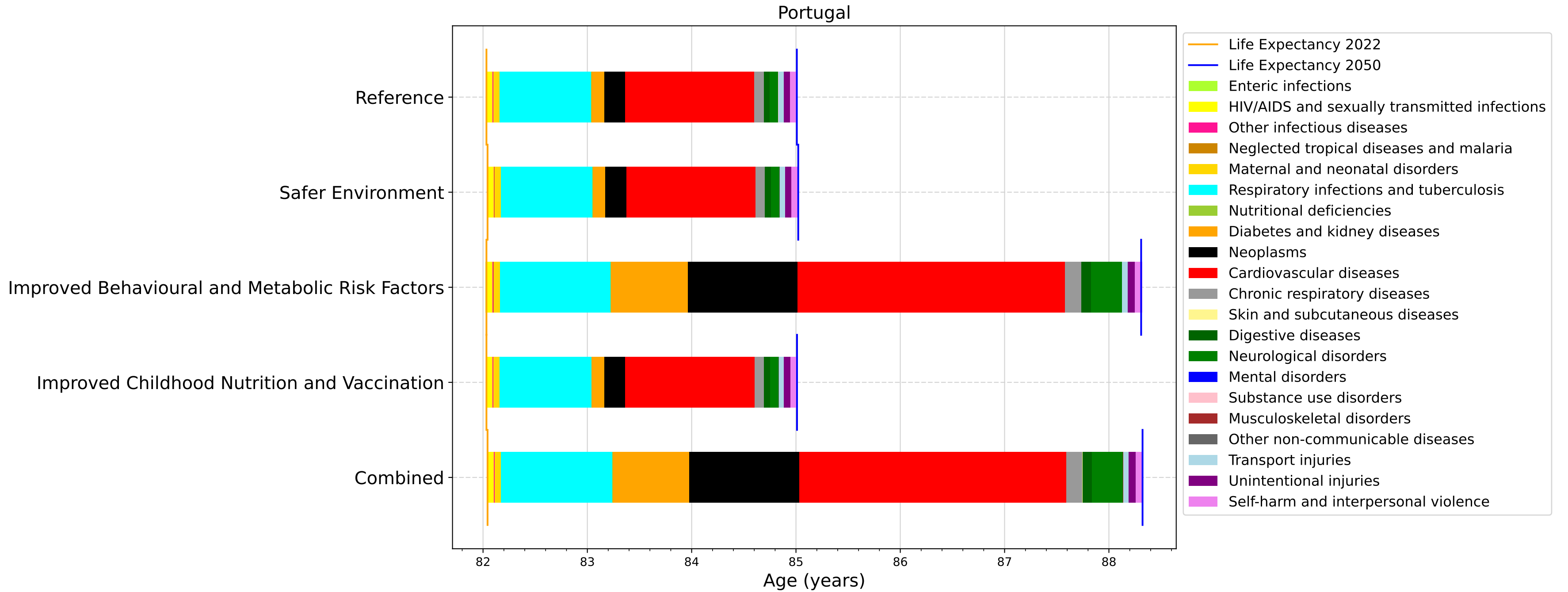




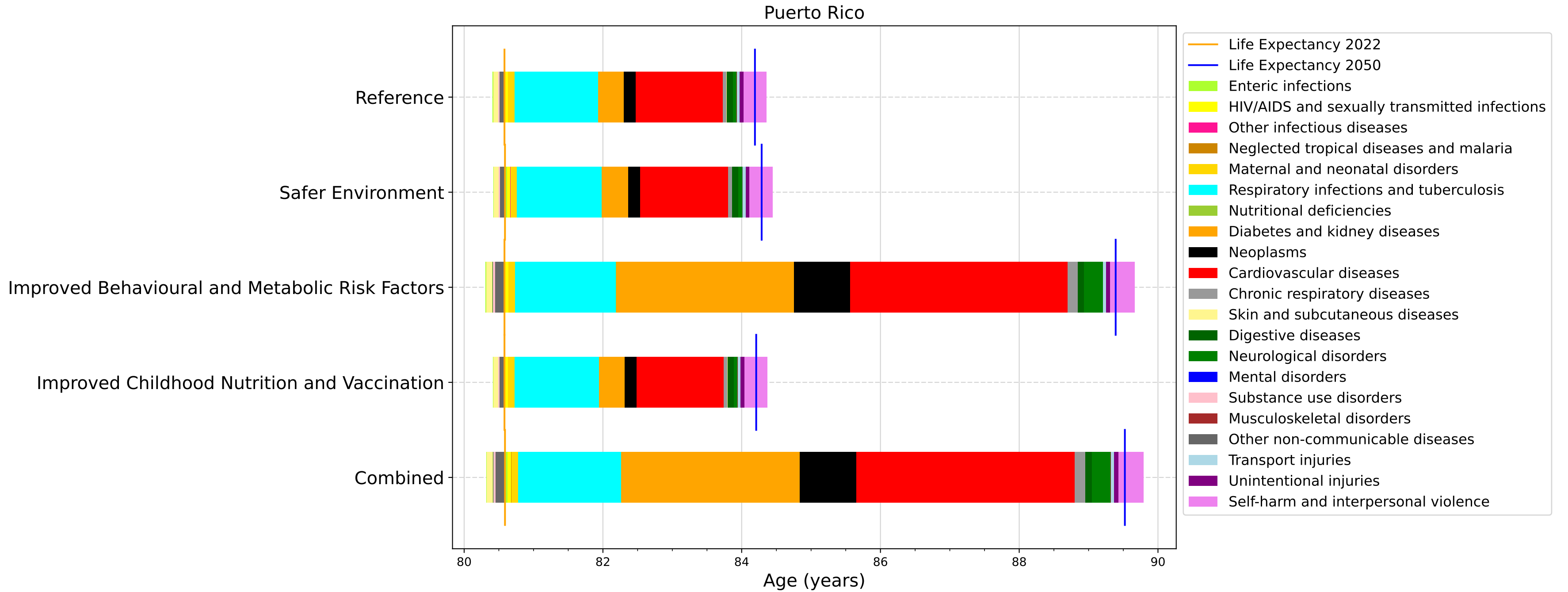


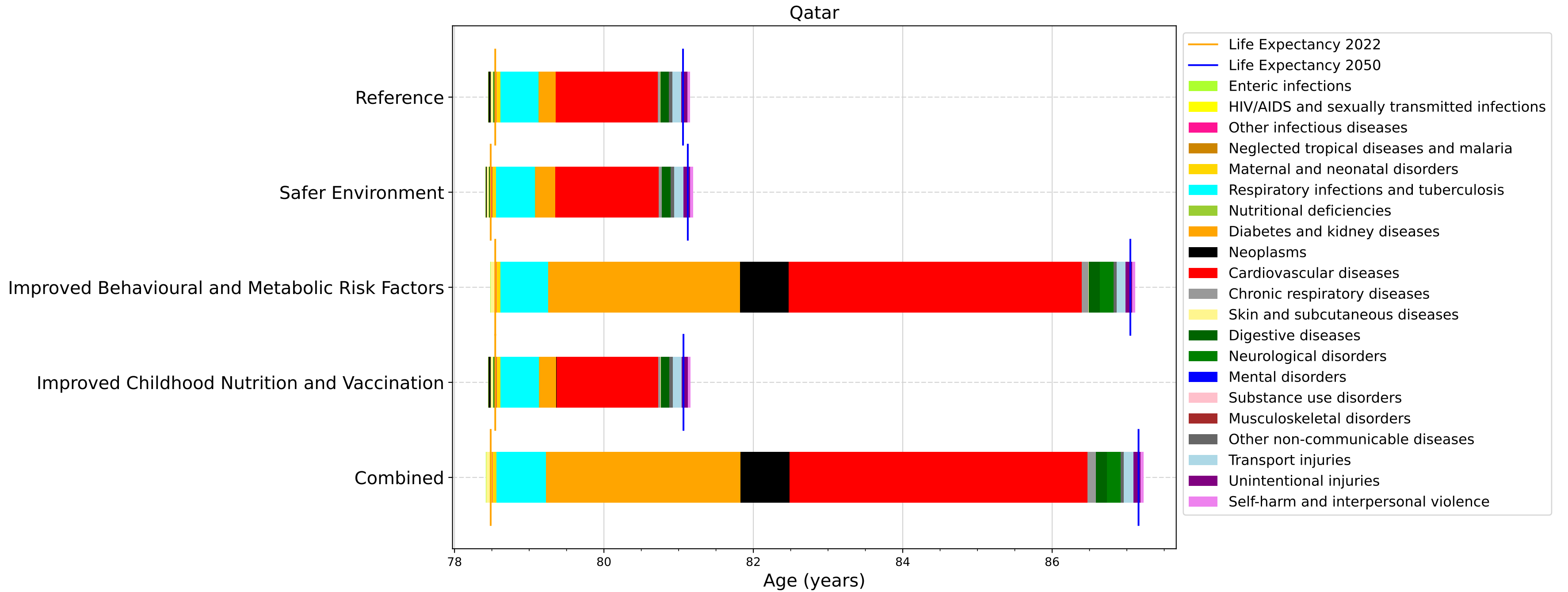


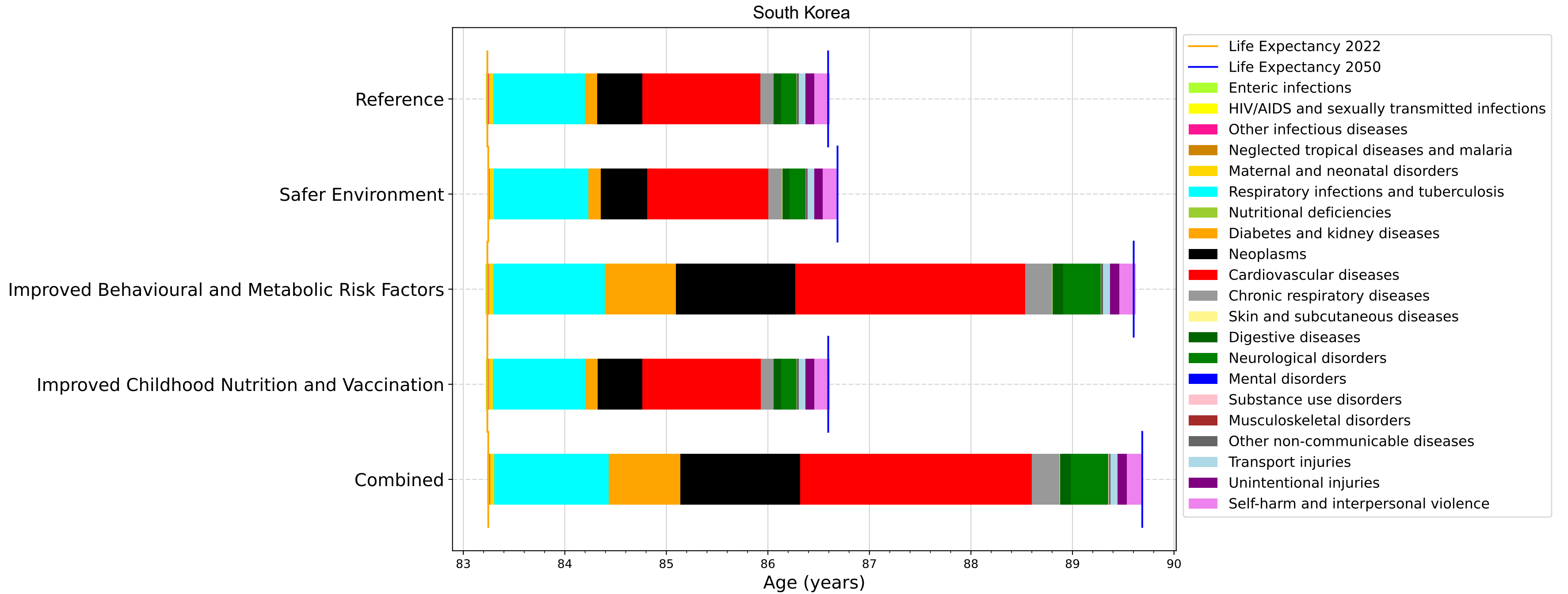




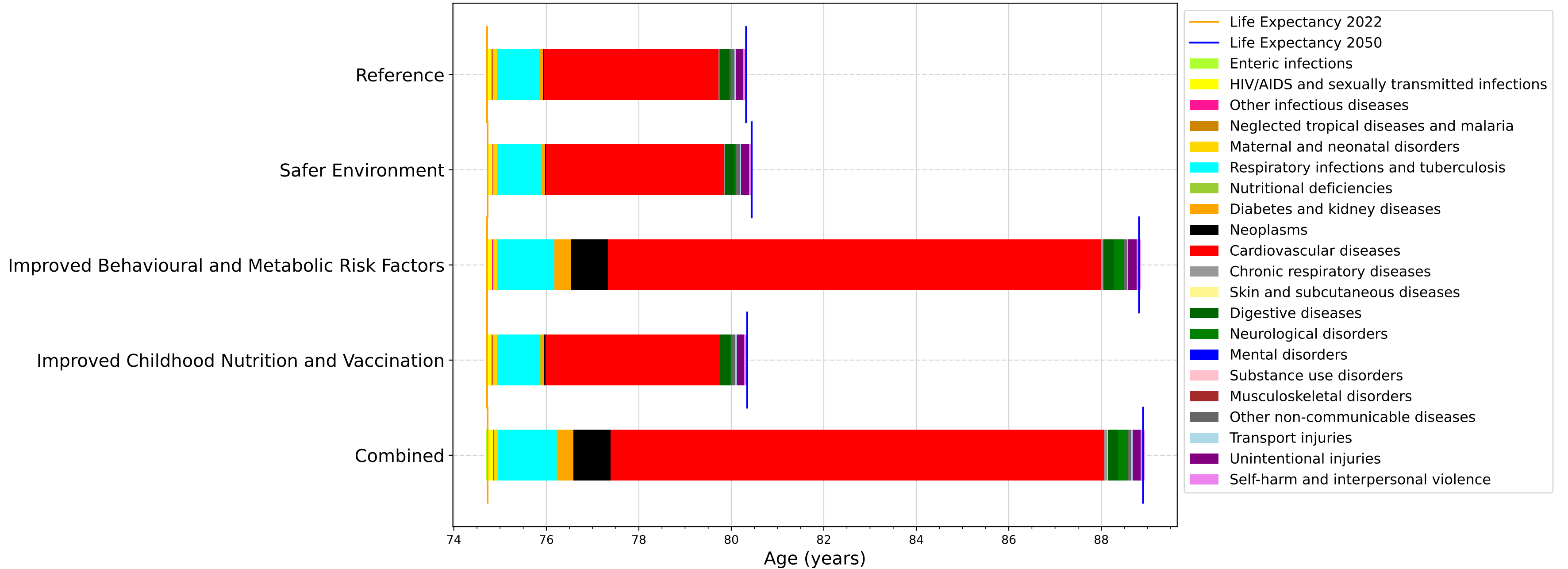


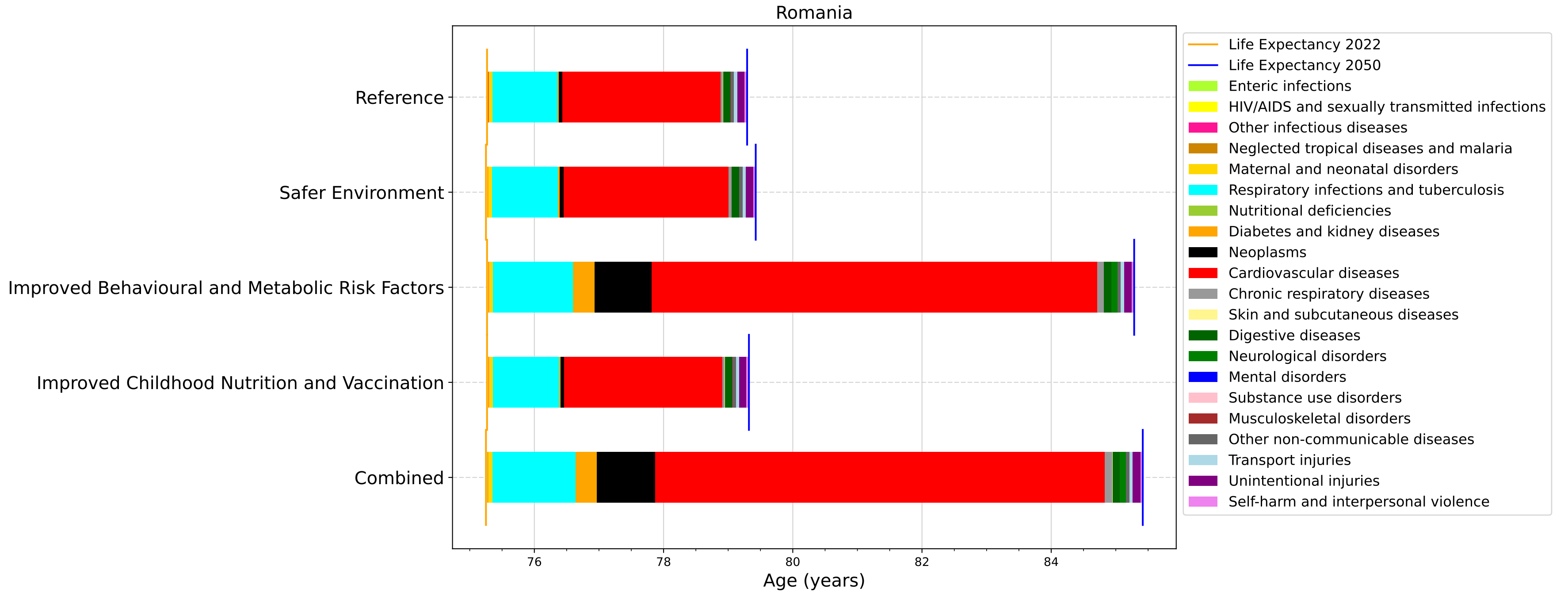




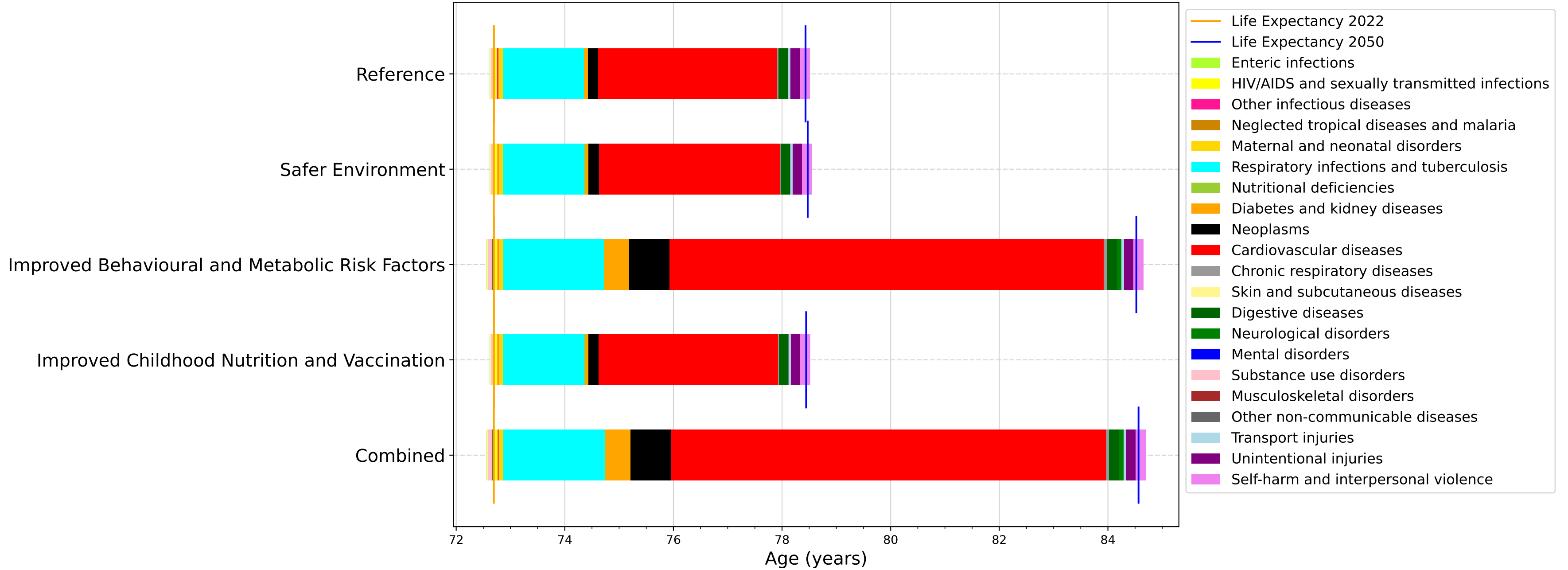


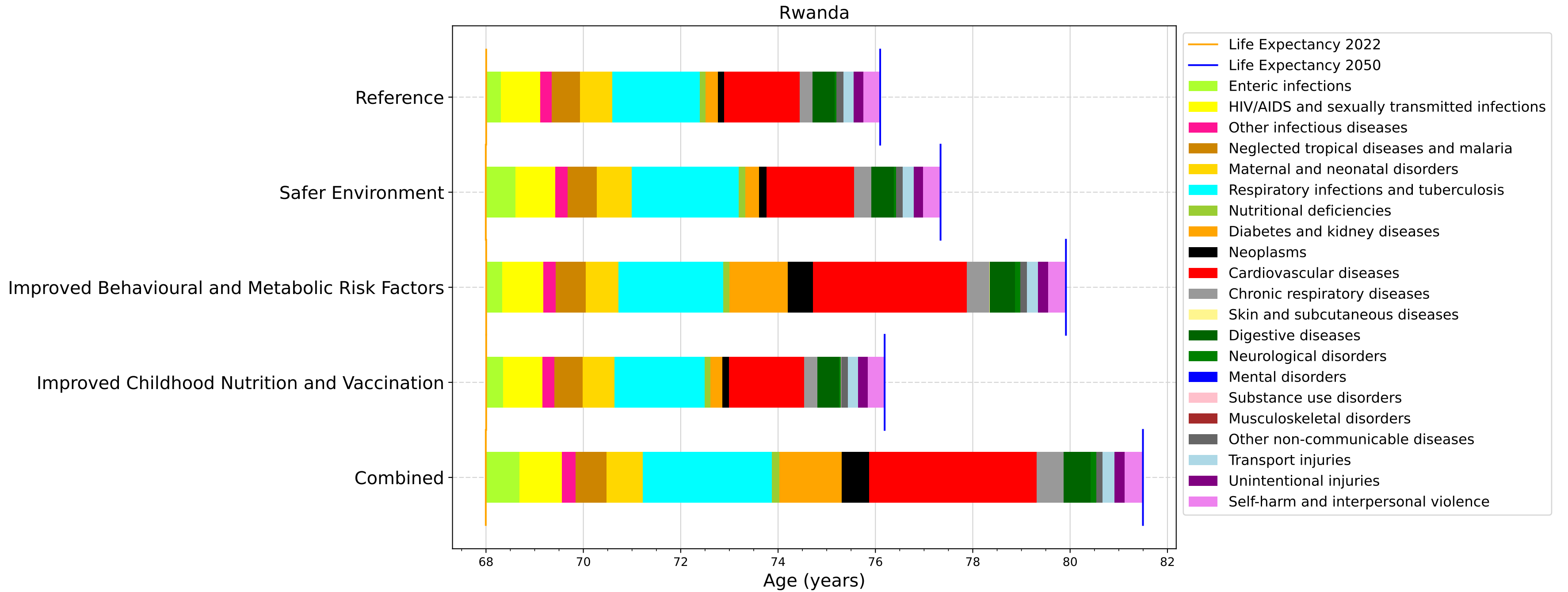
Republic of Moldova



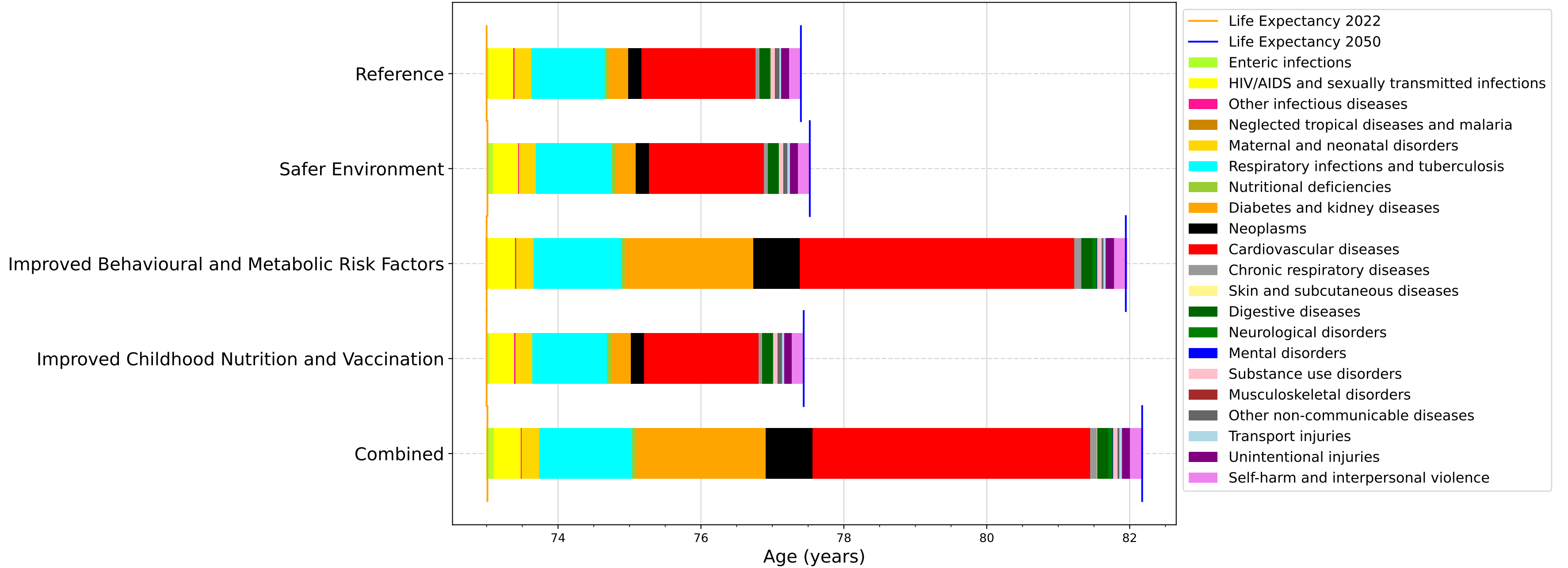


Russia

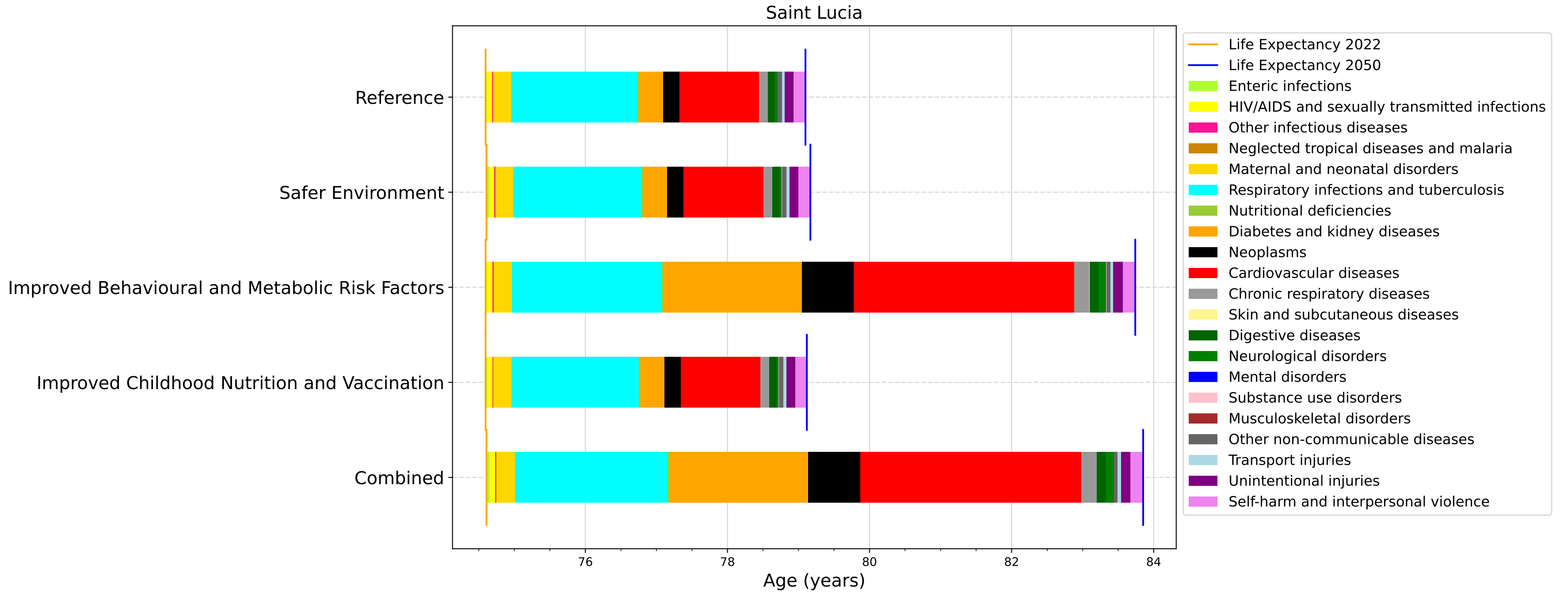




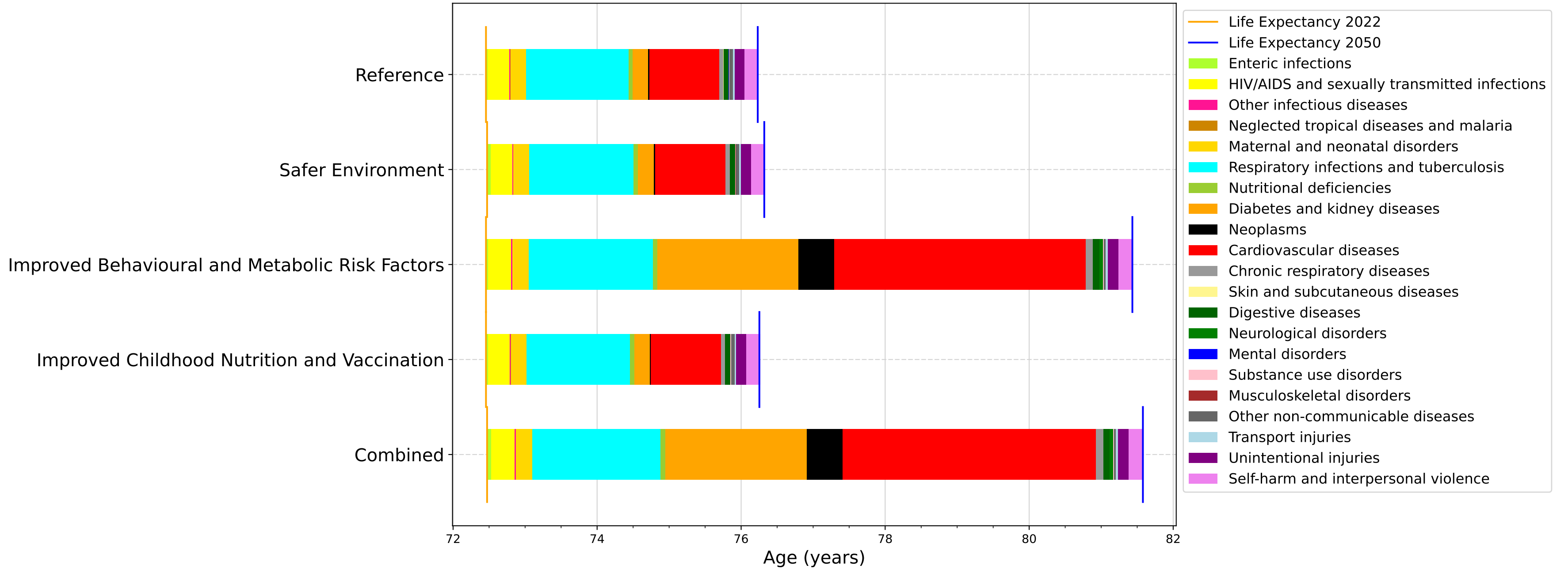
### Saint Kitts and Nevis

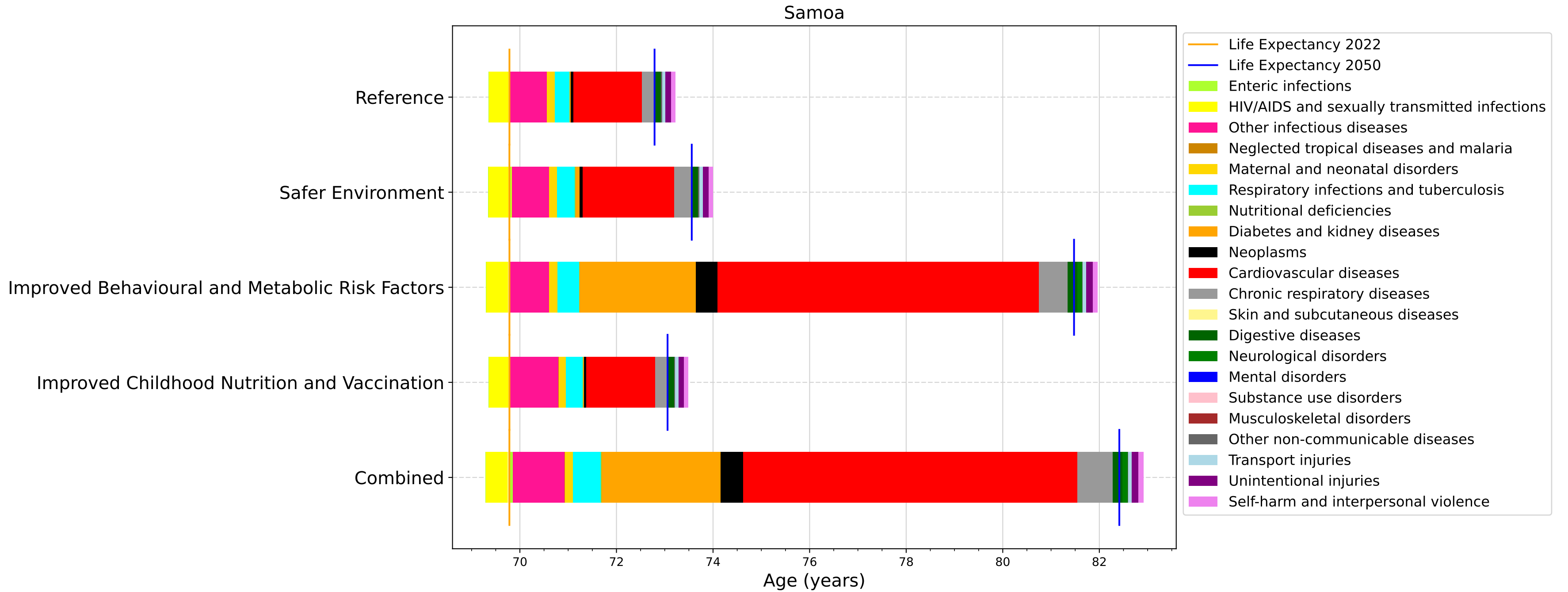


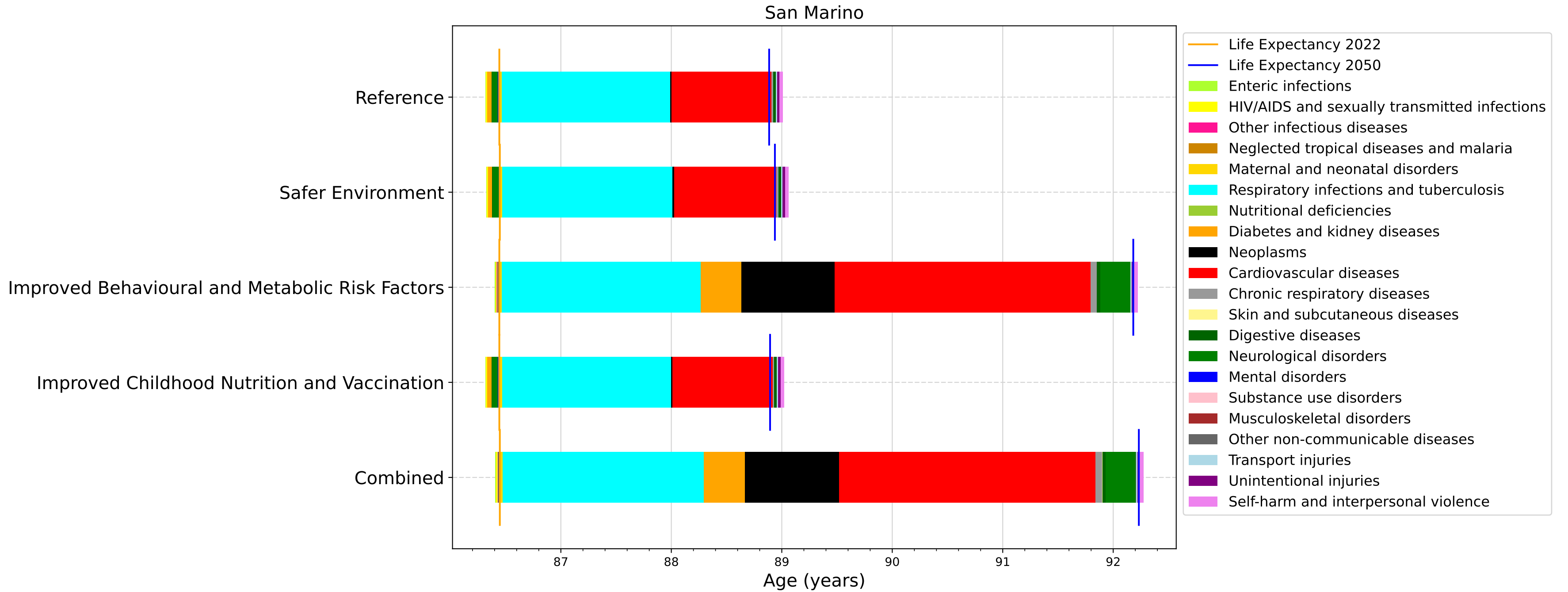


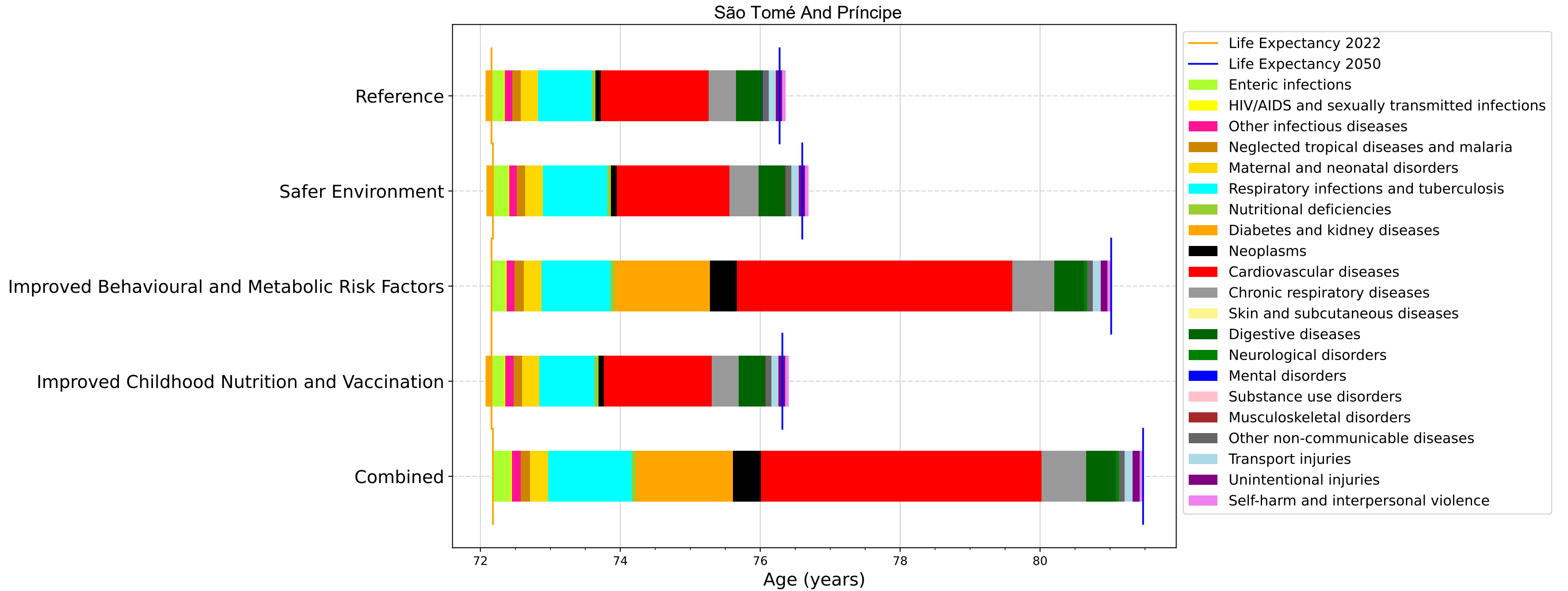


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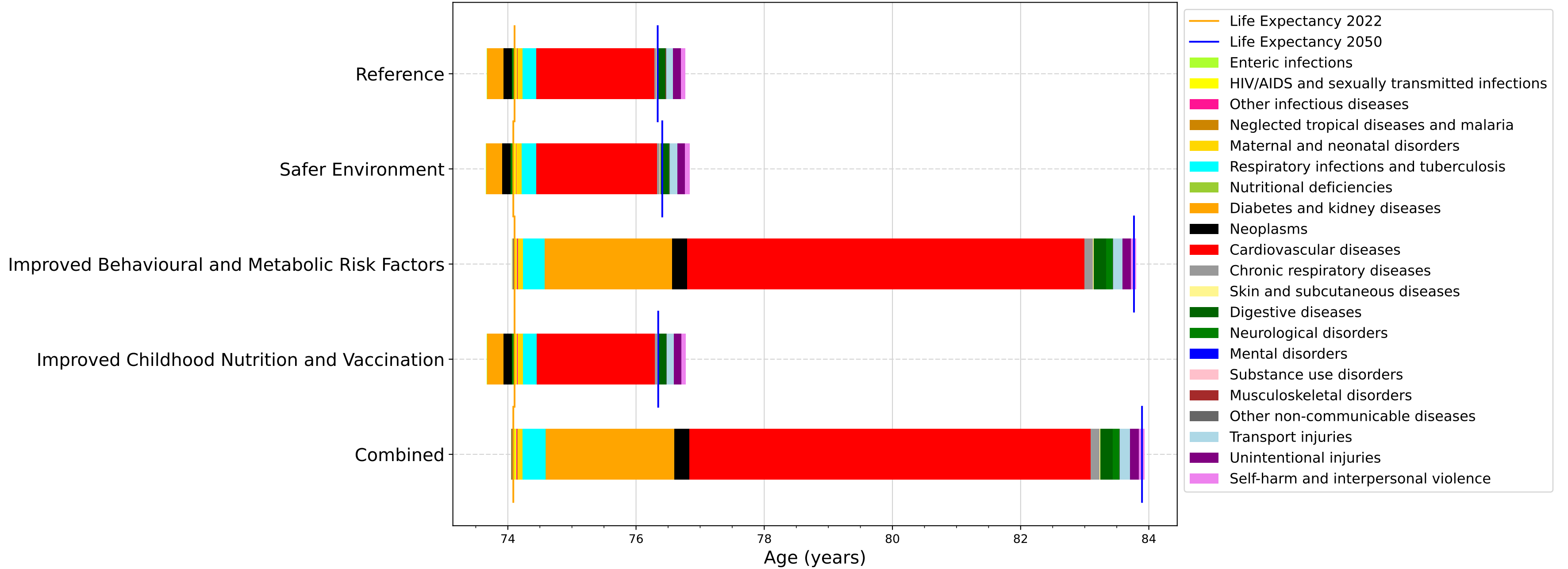


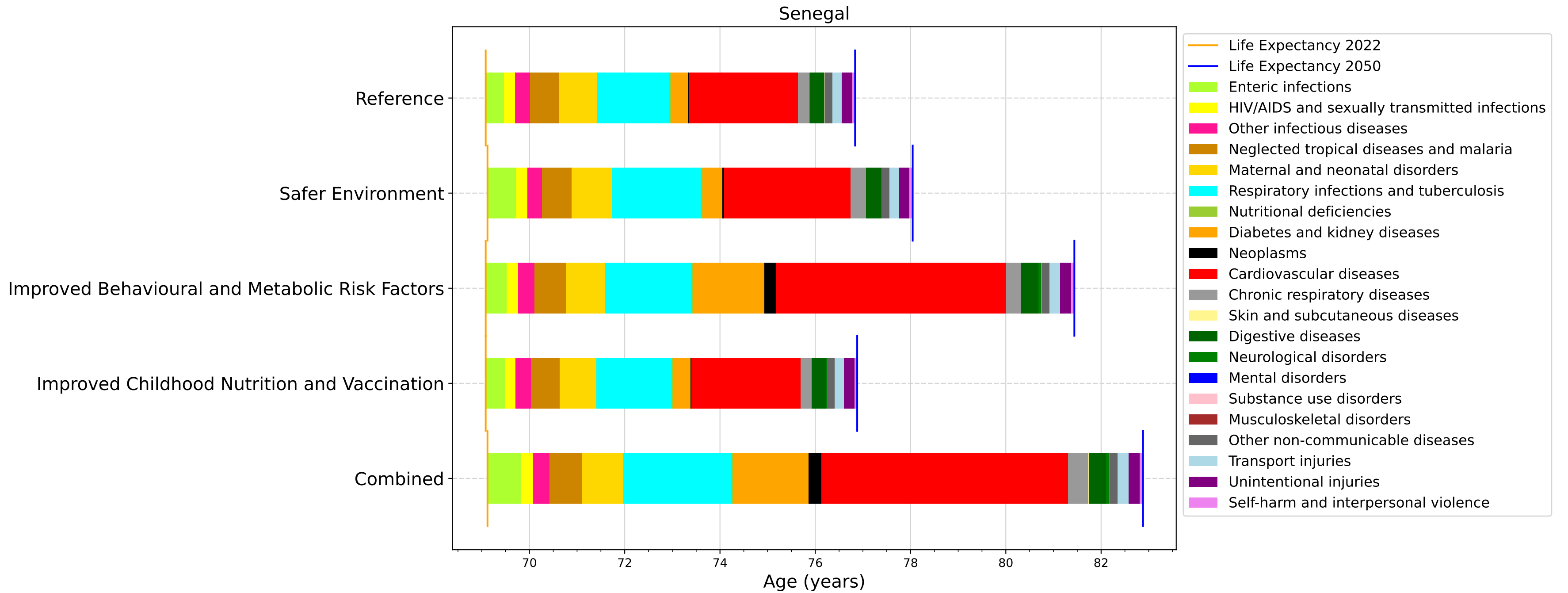


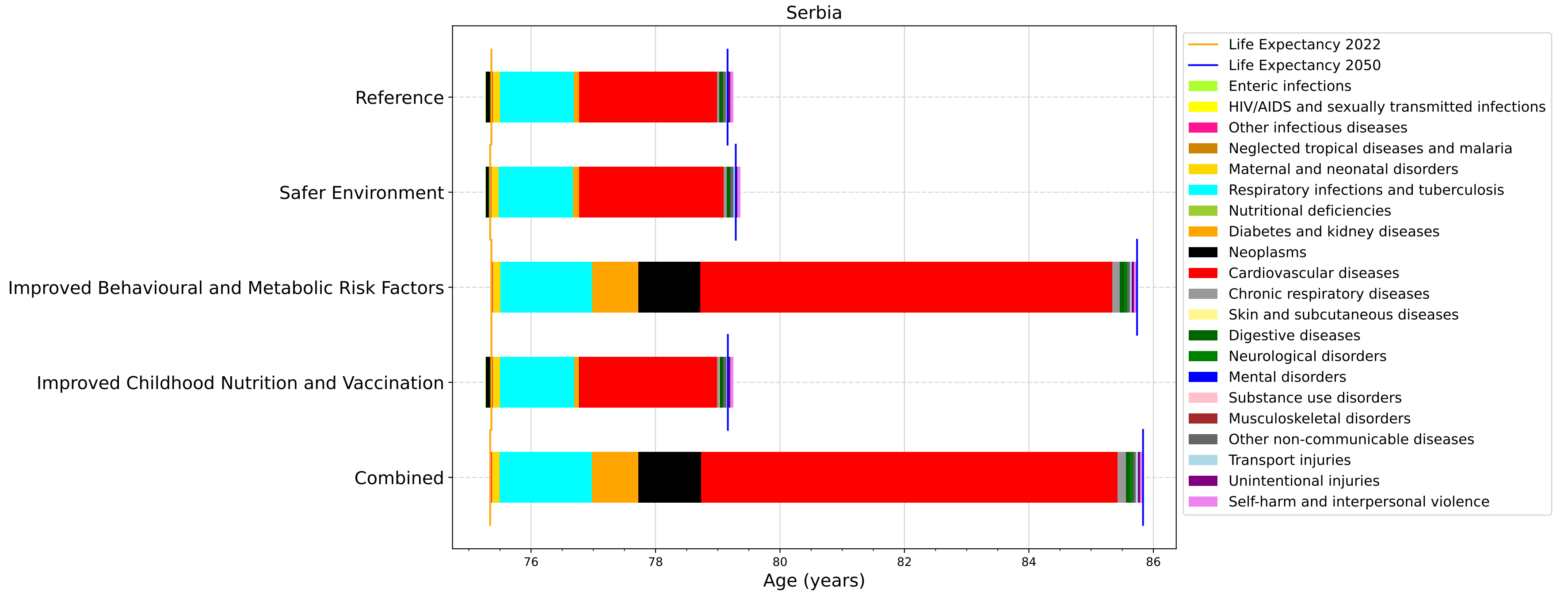




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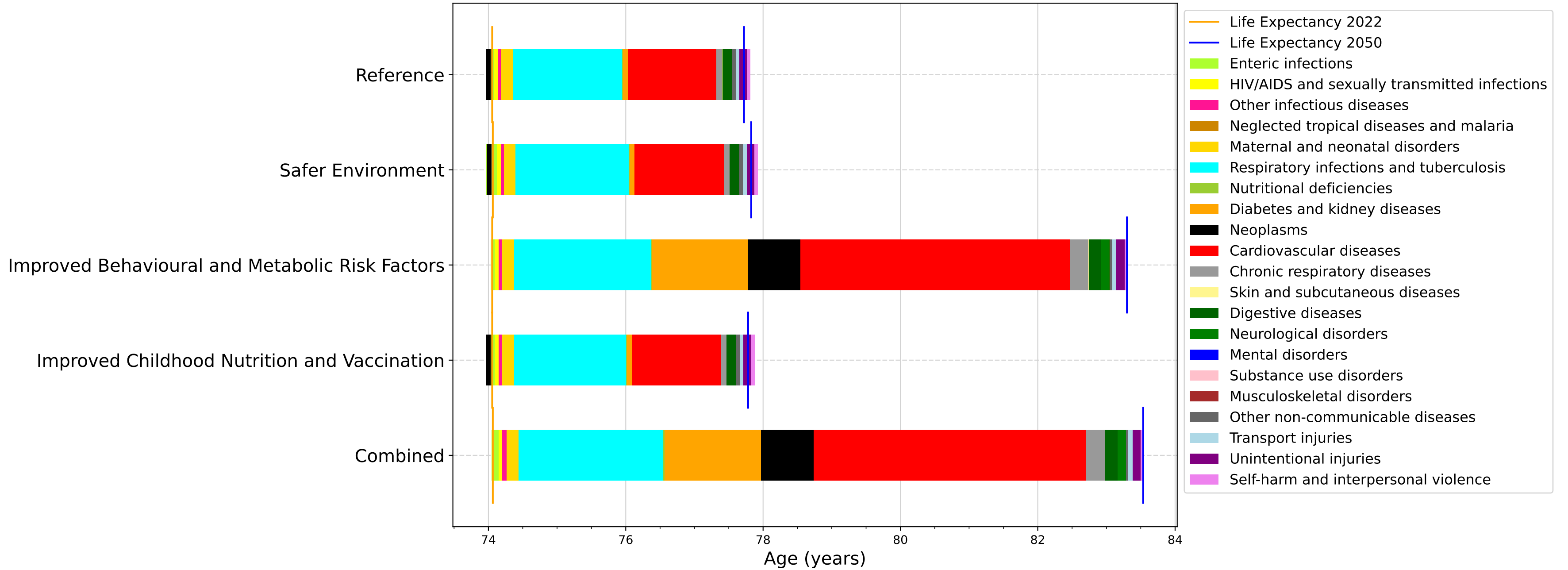


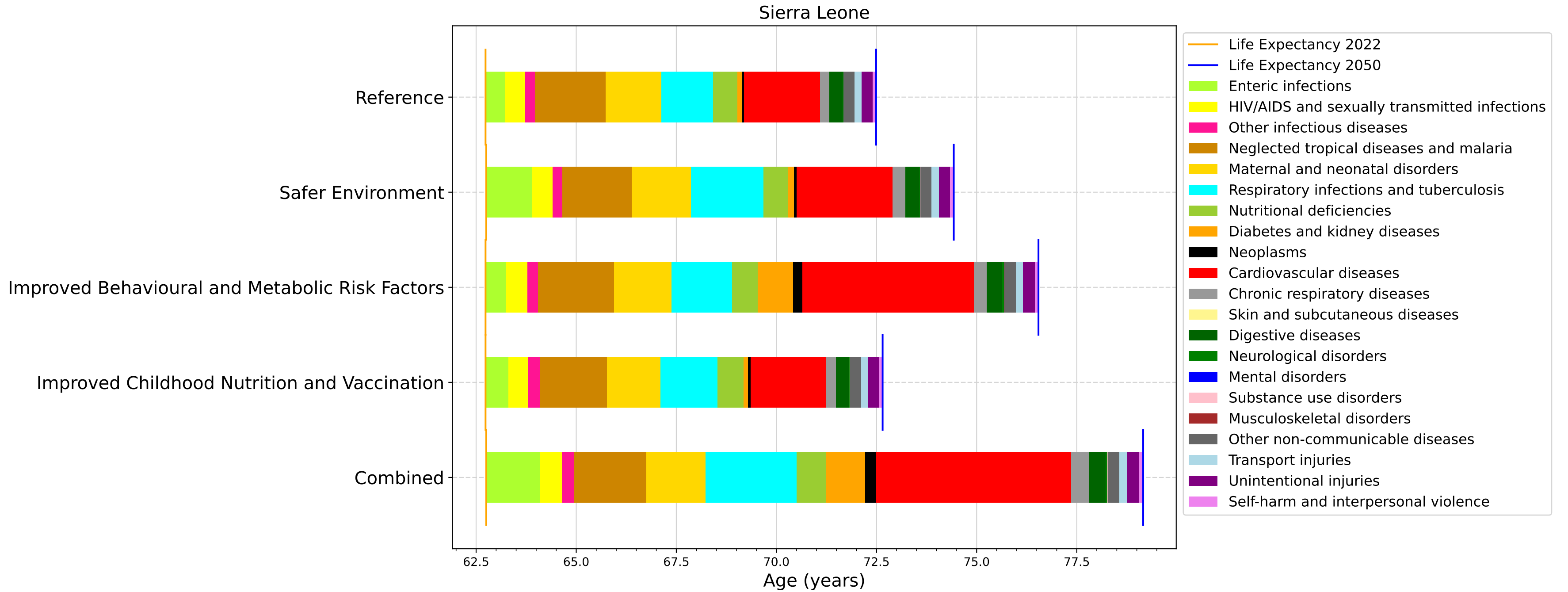


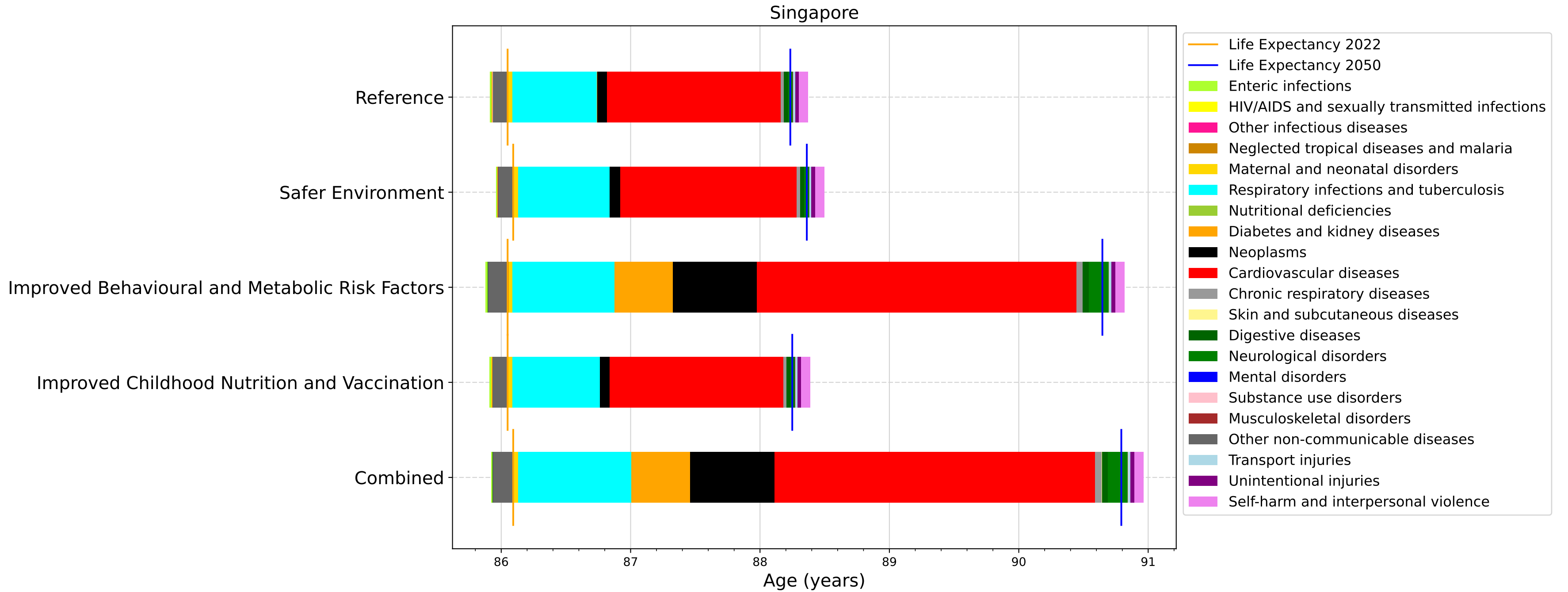




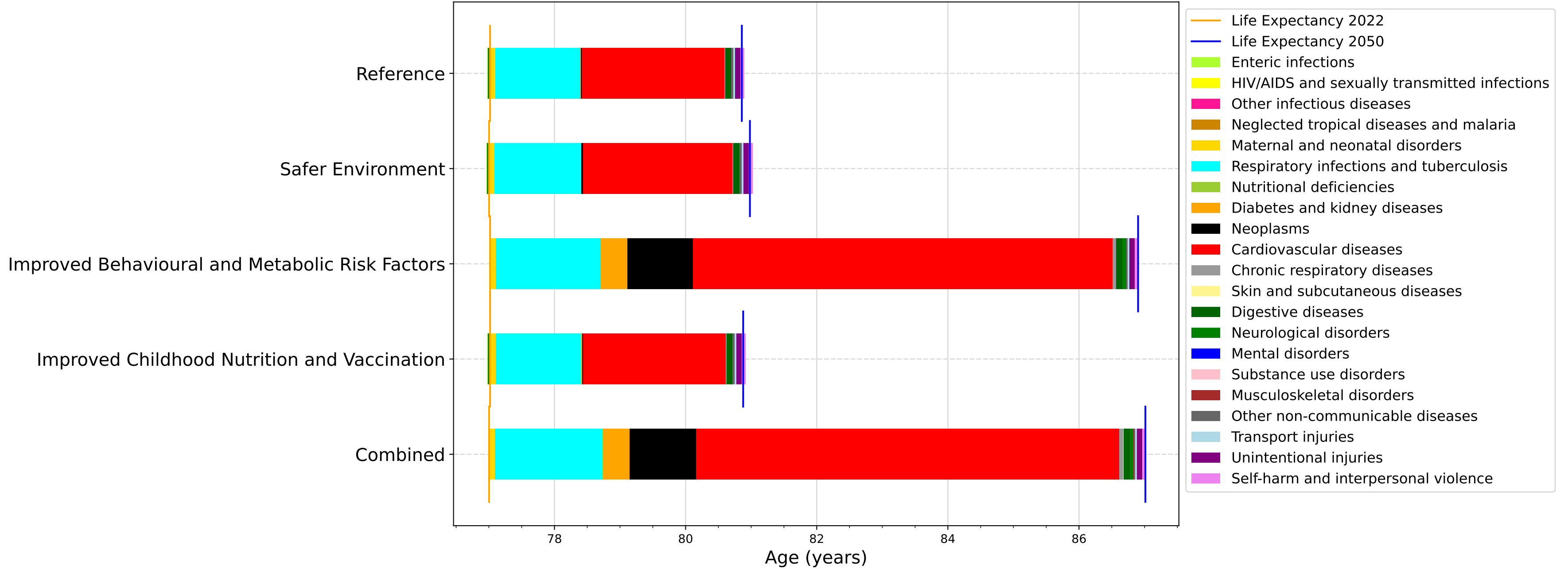
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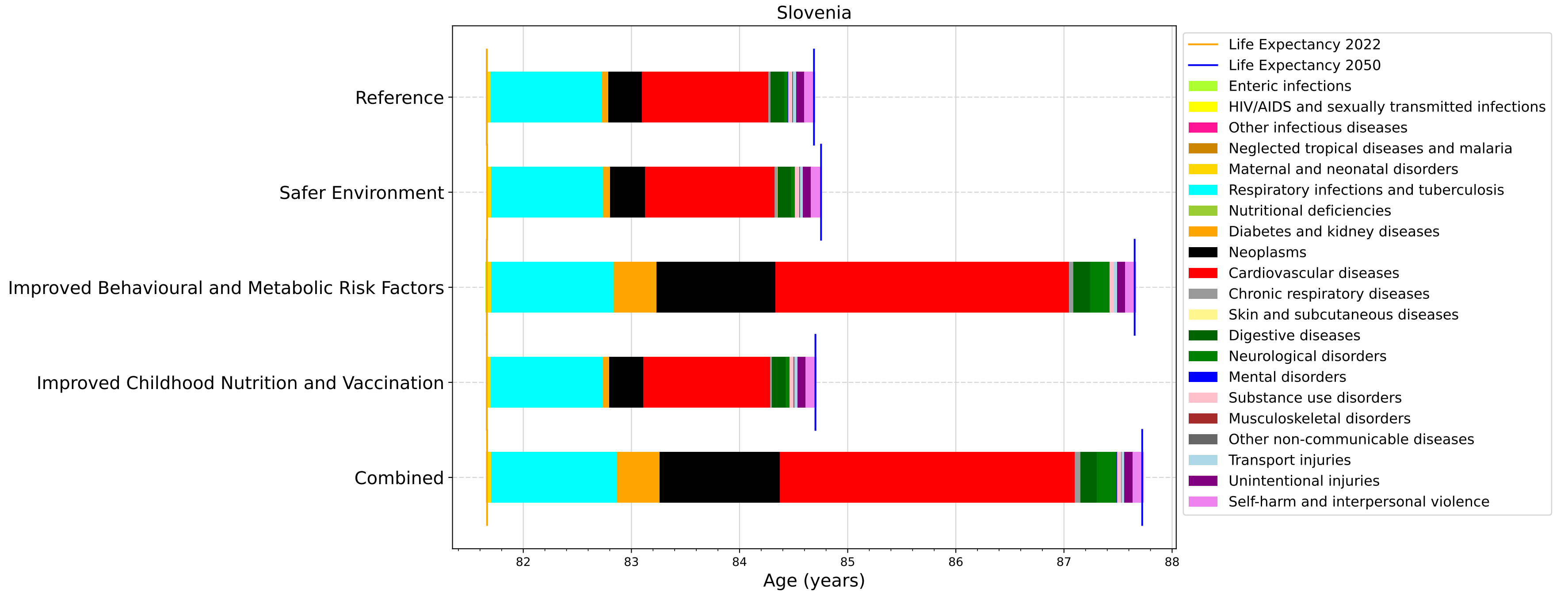




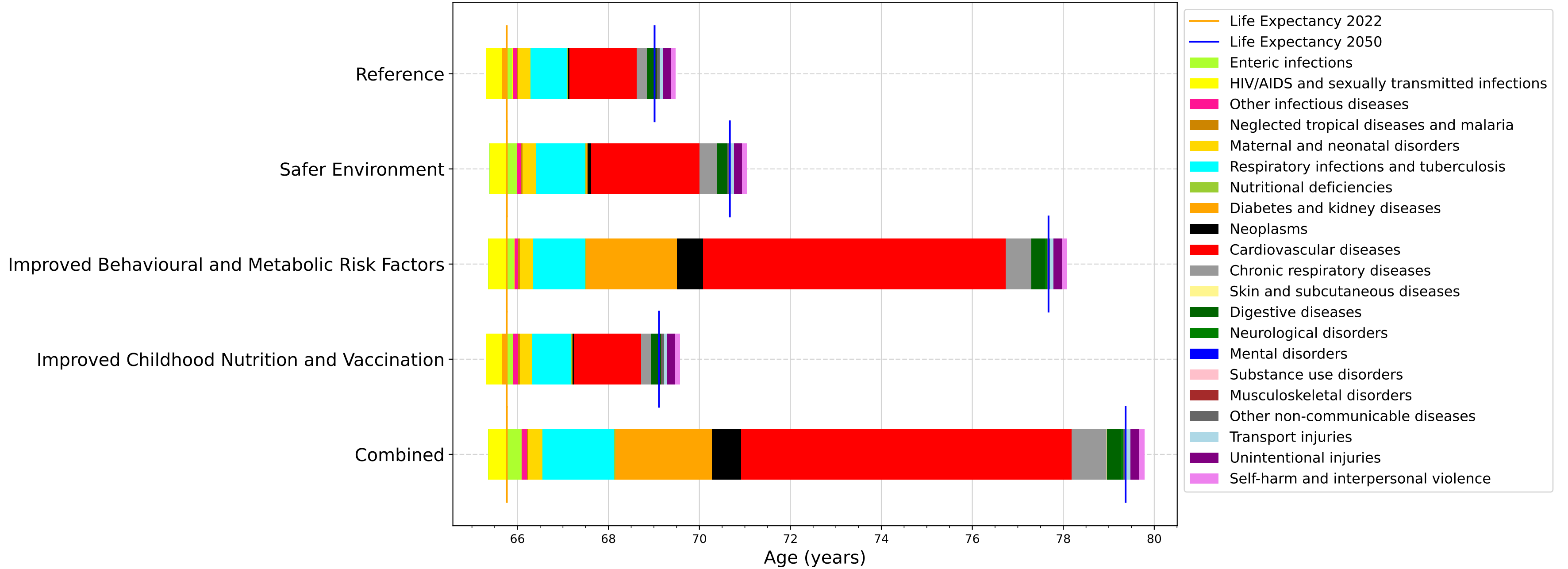


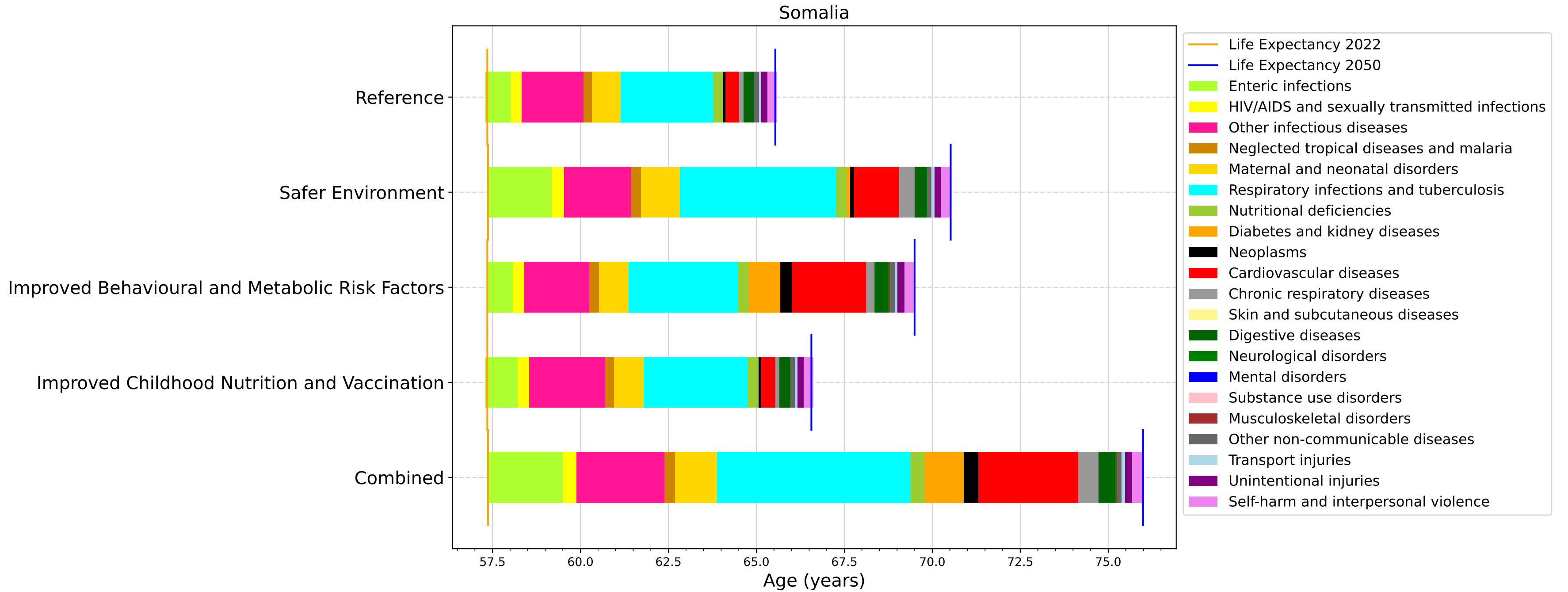
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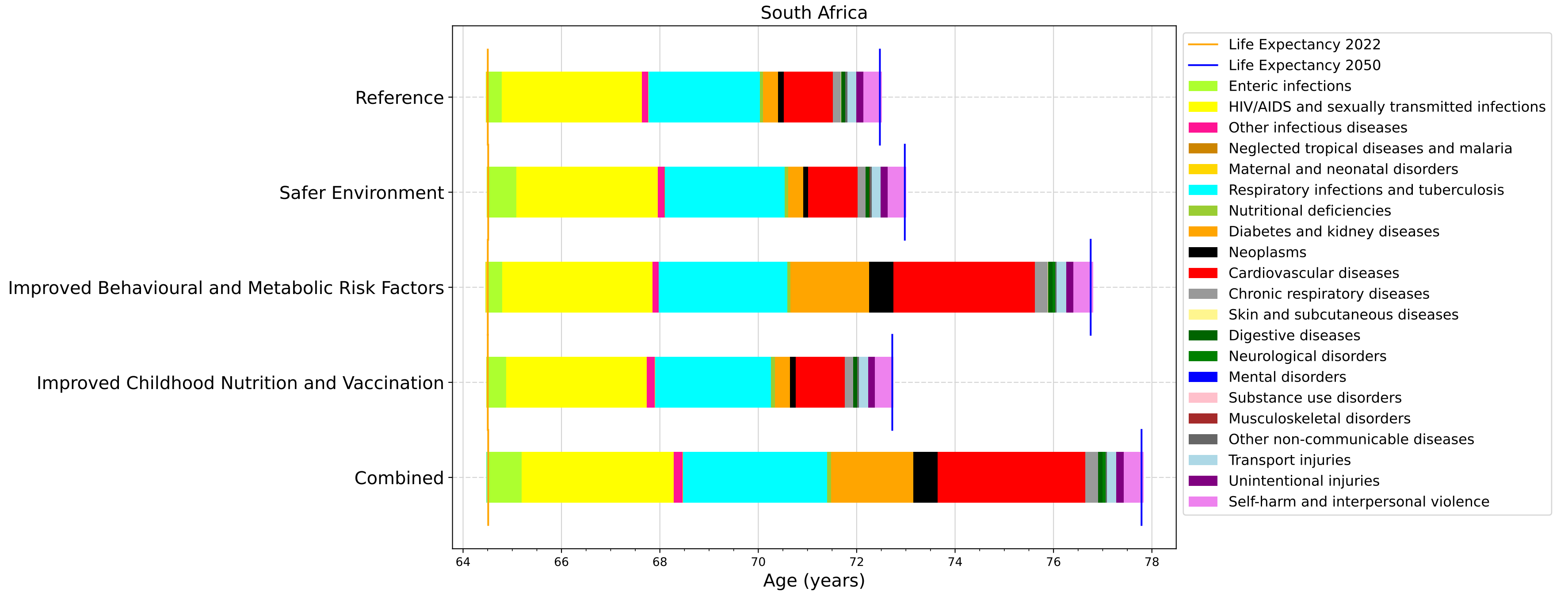




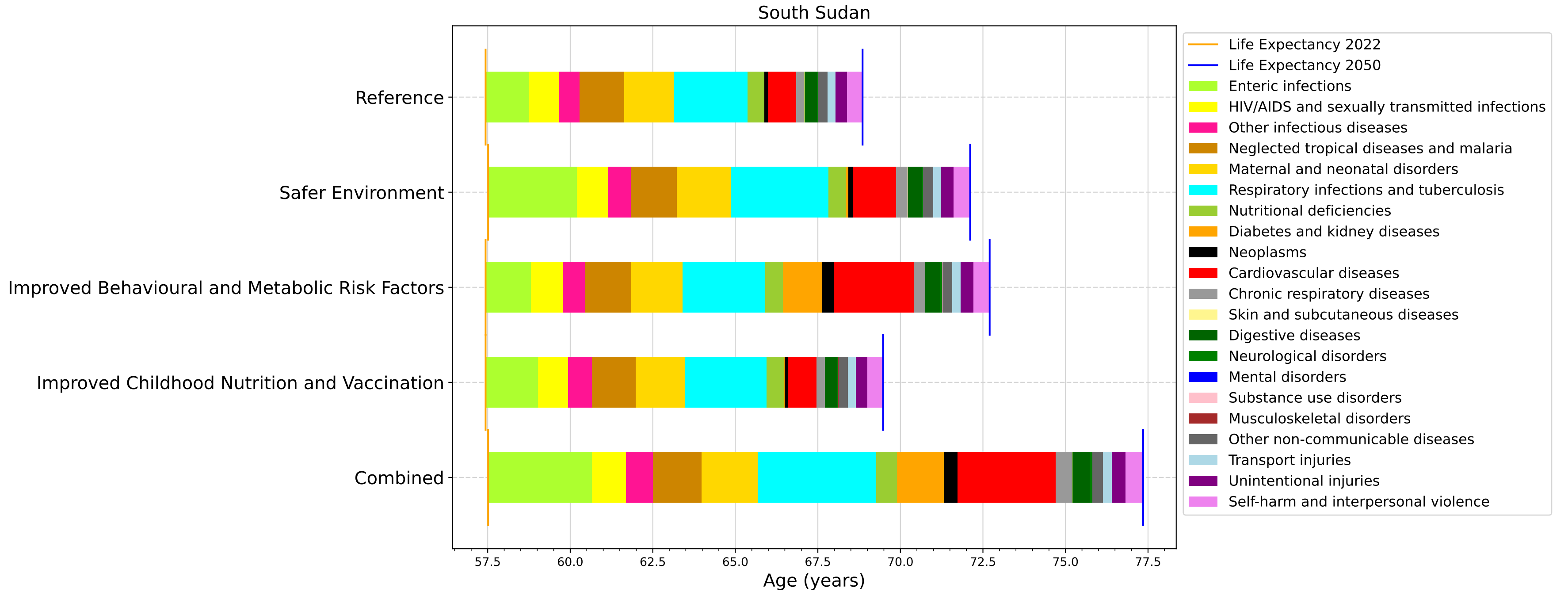
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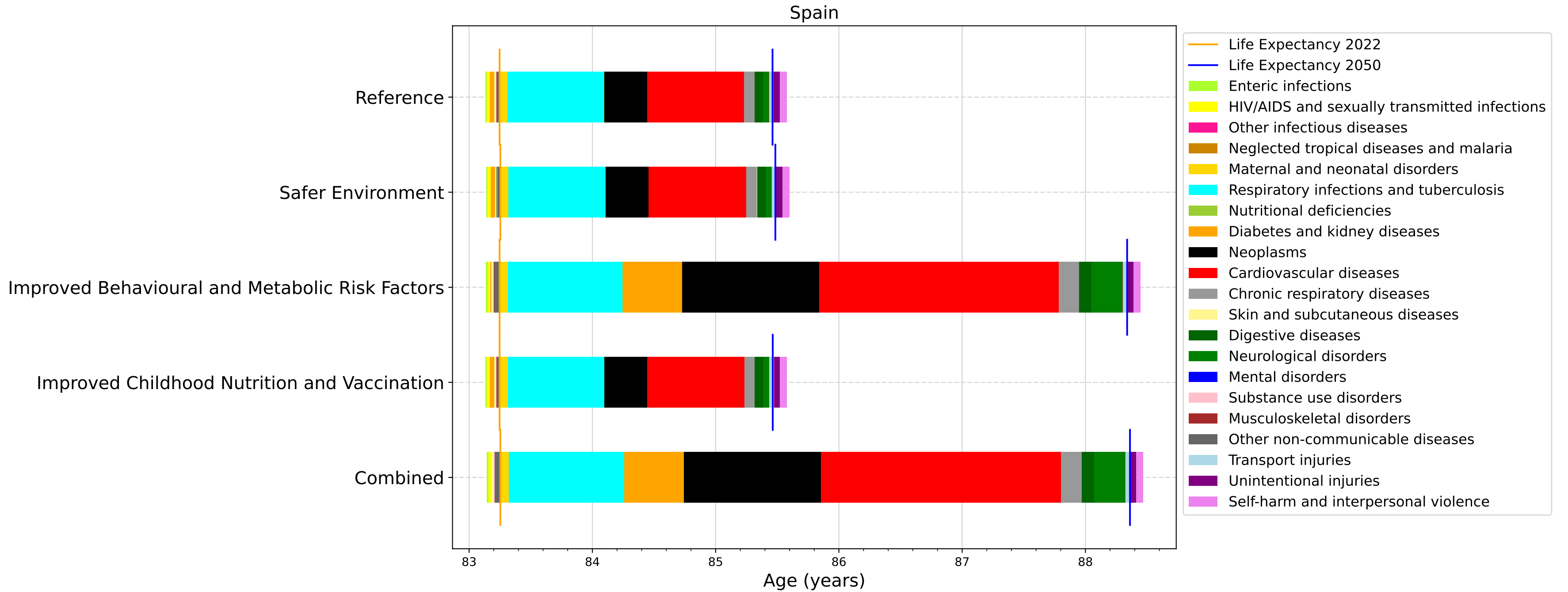


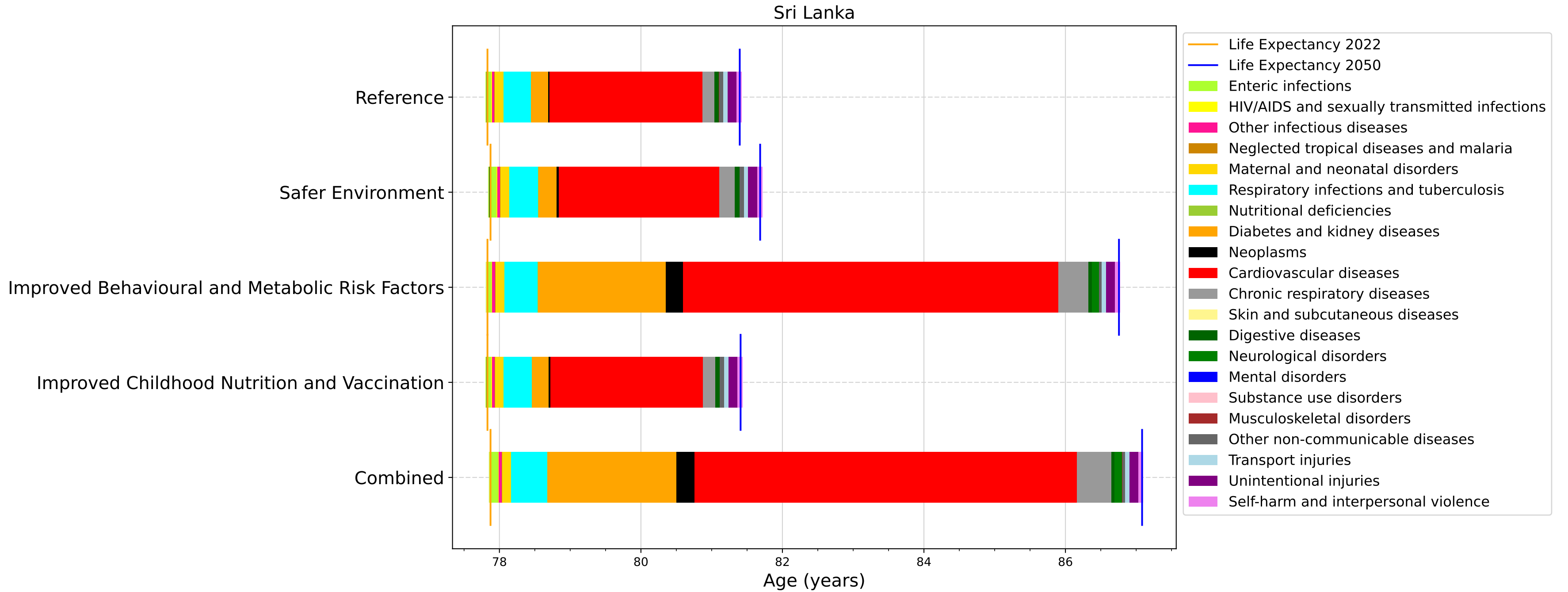


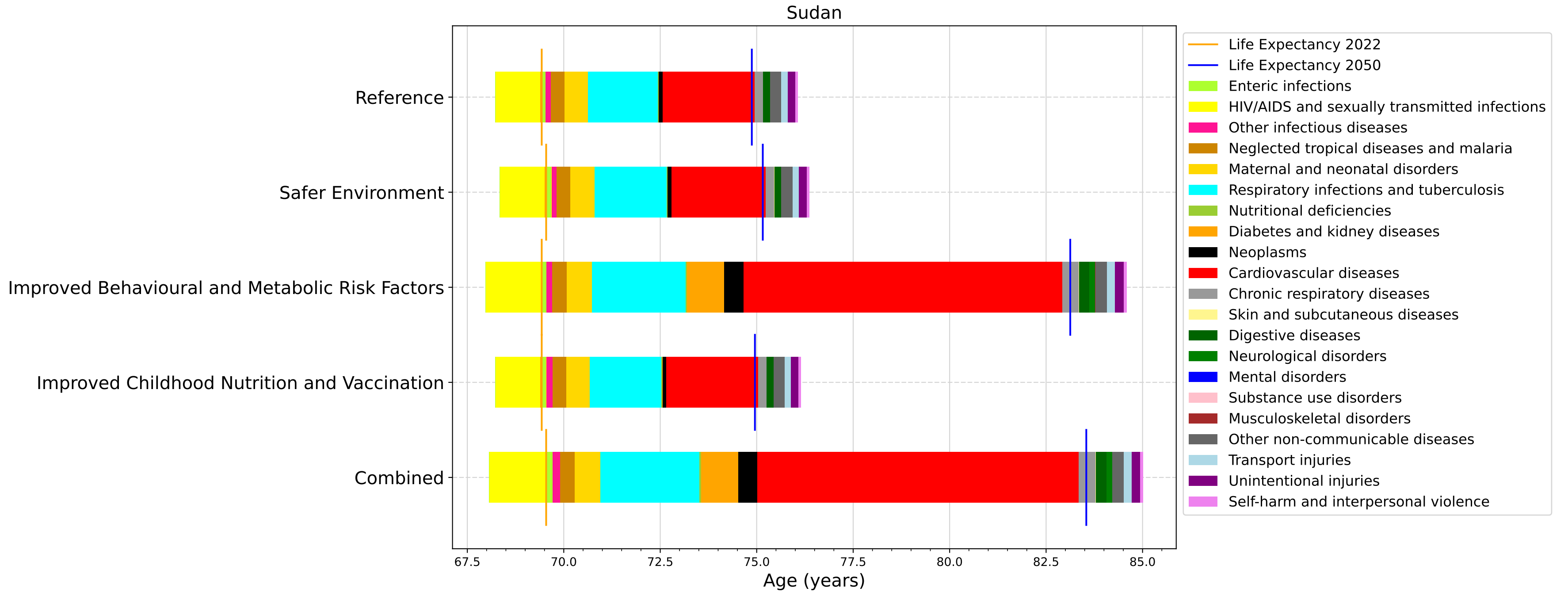


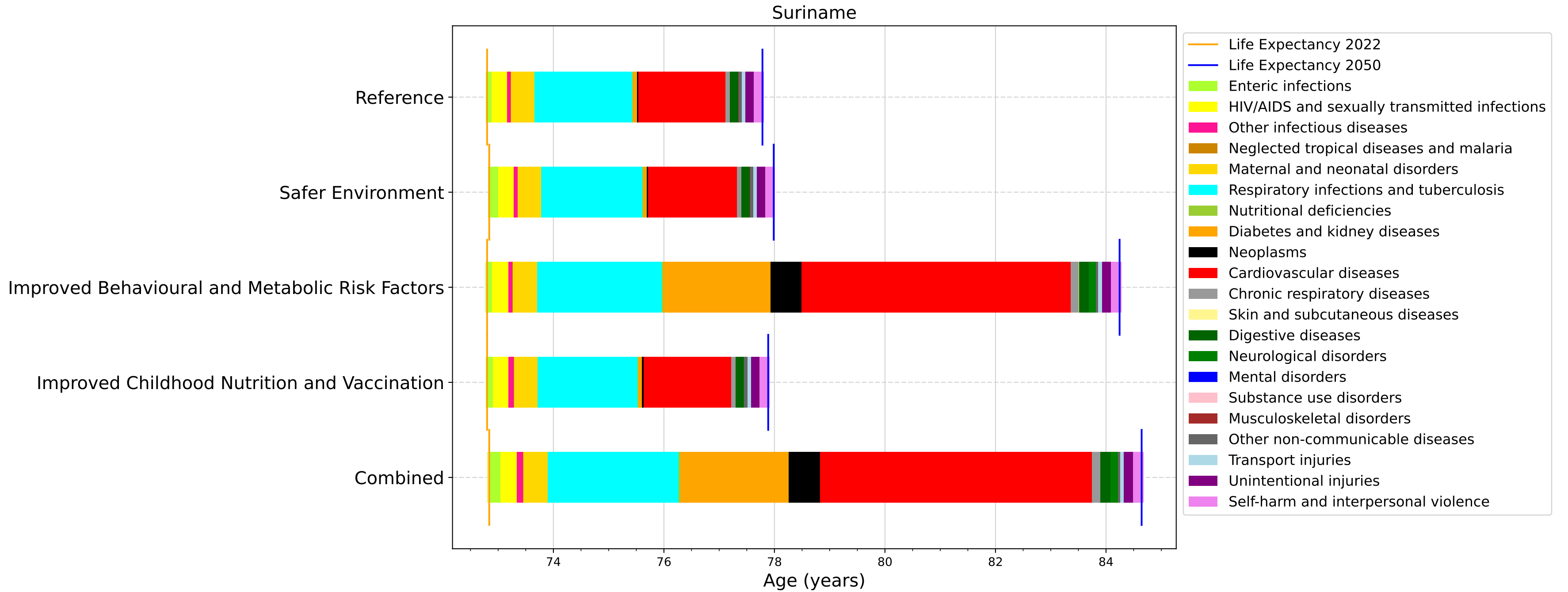




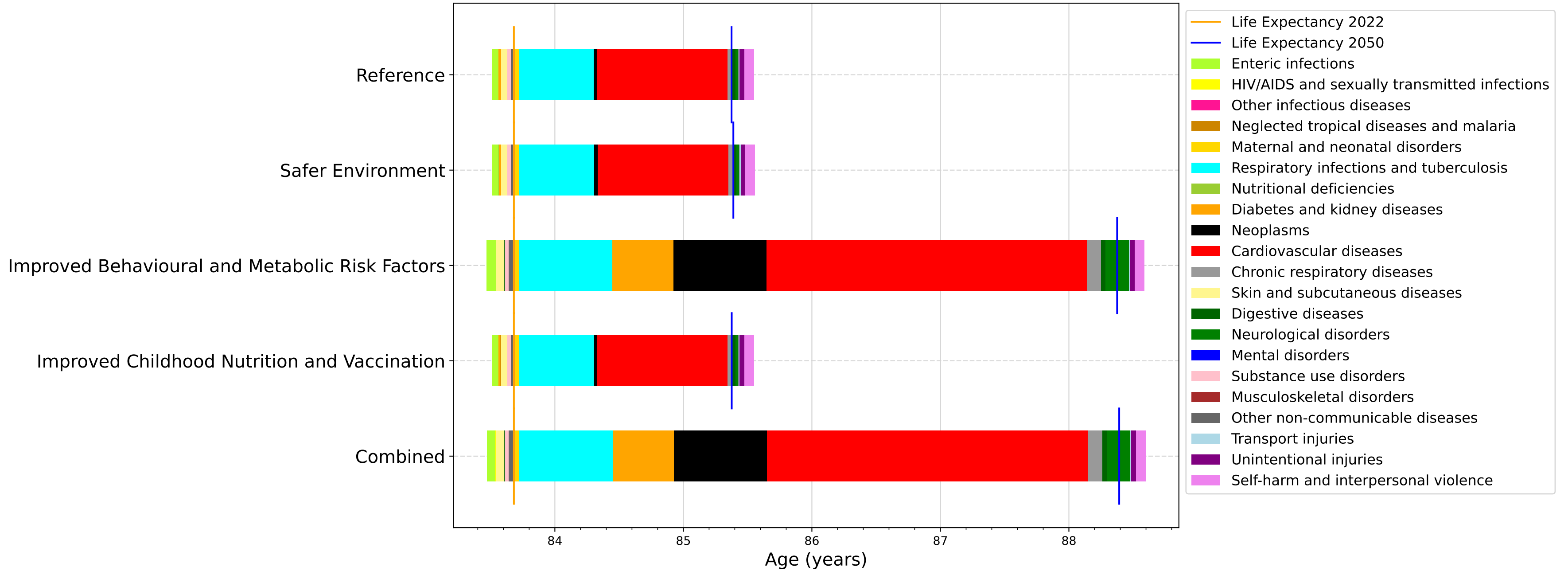




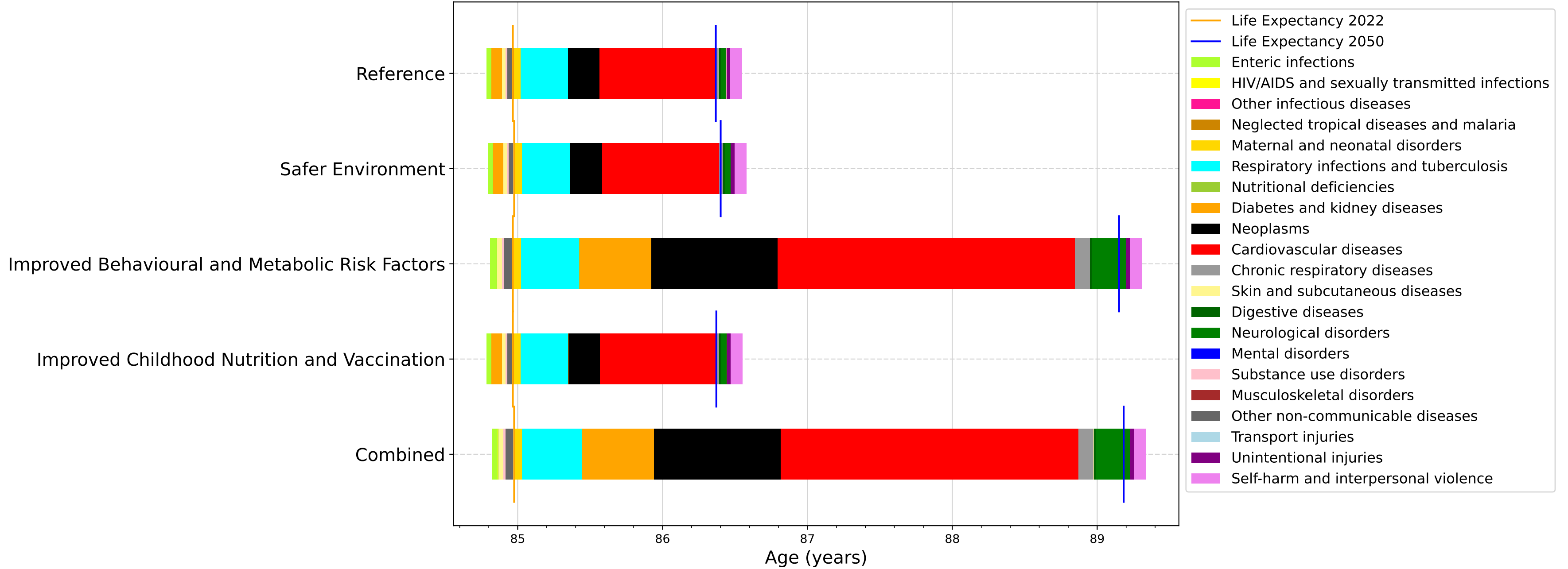




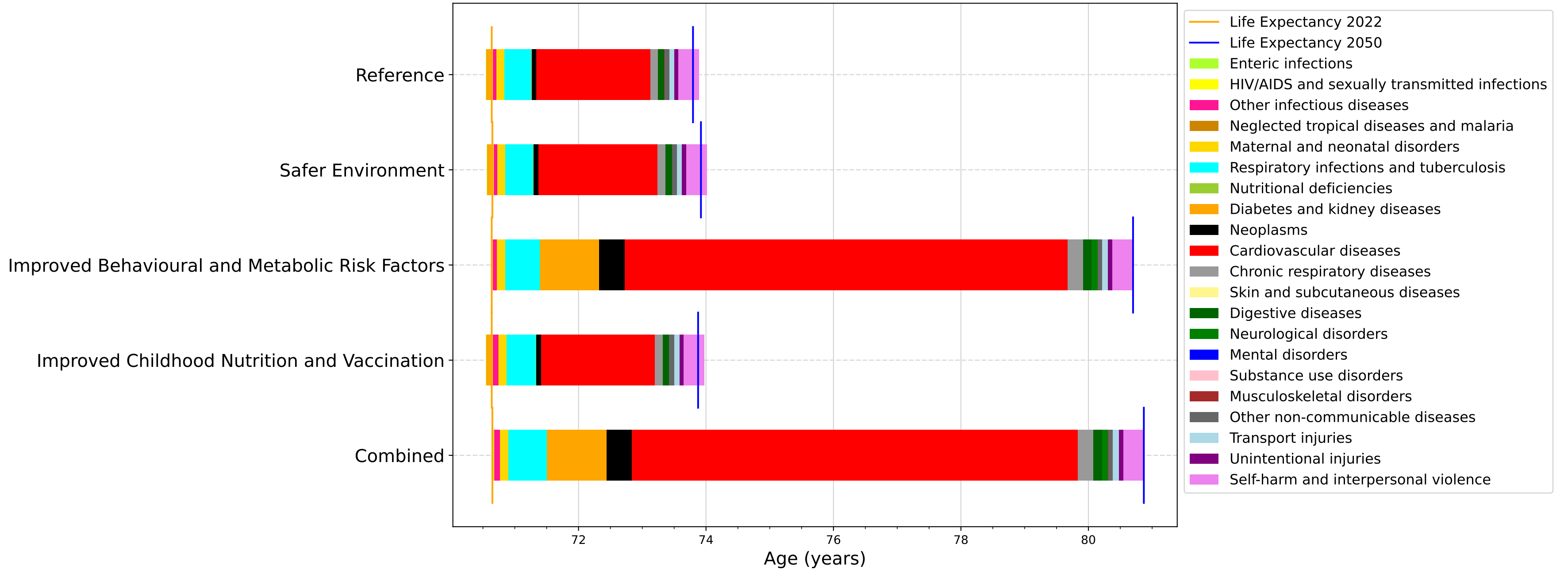
Sweden



Switzerland

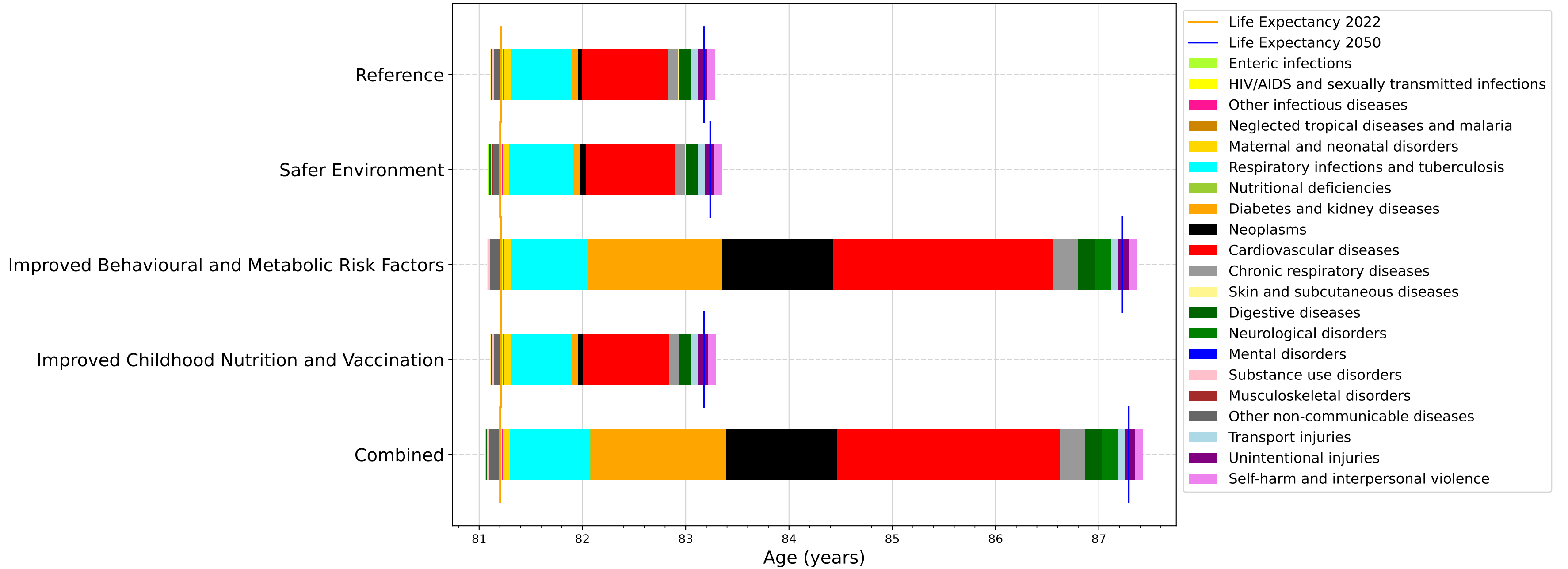


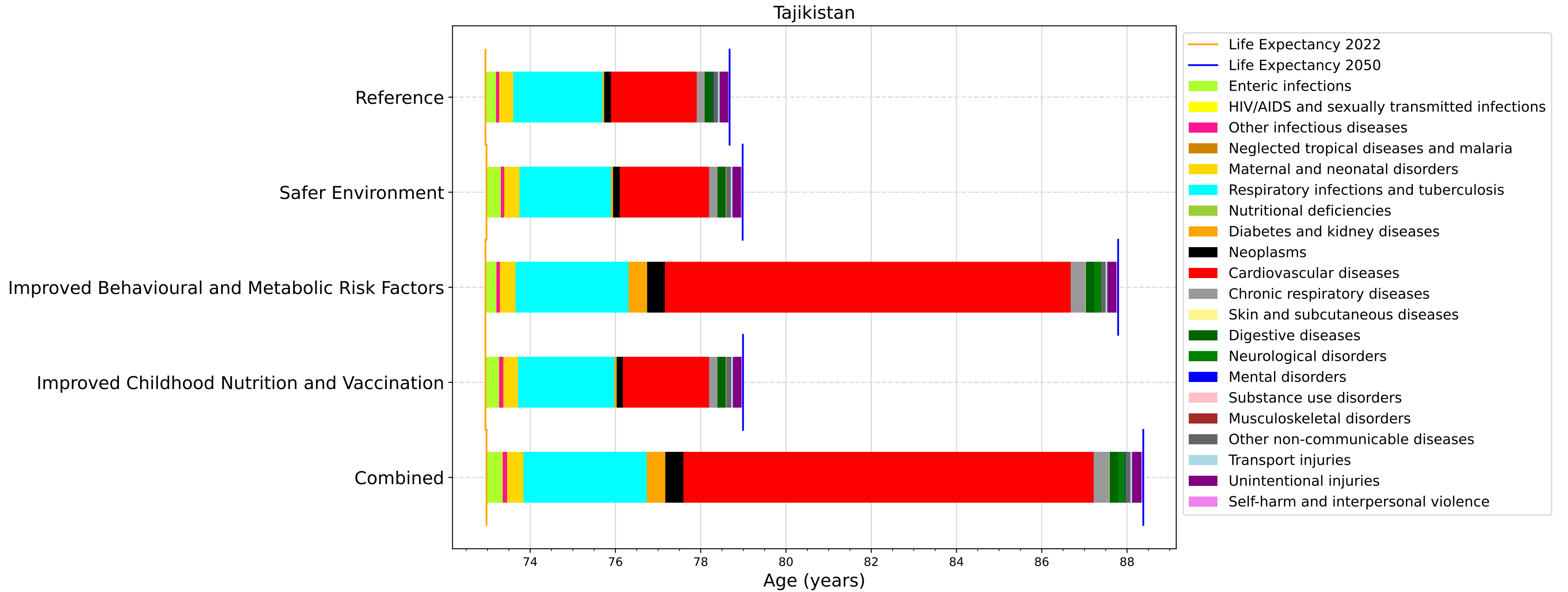
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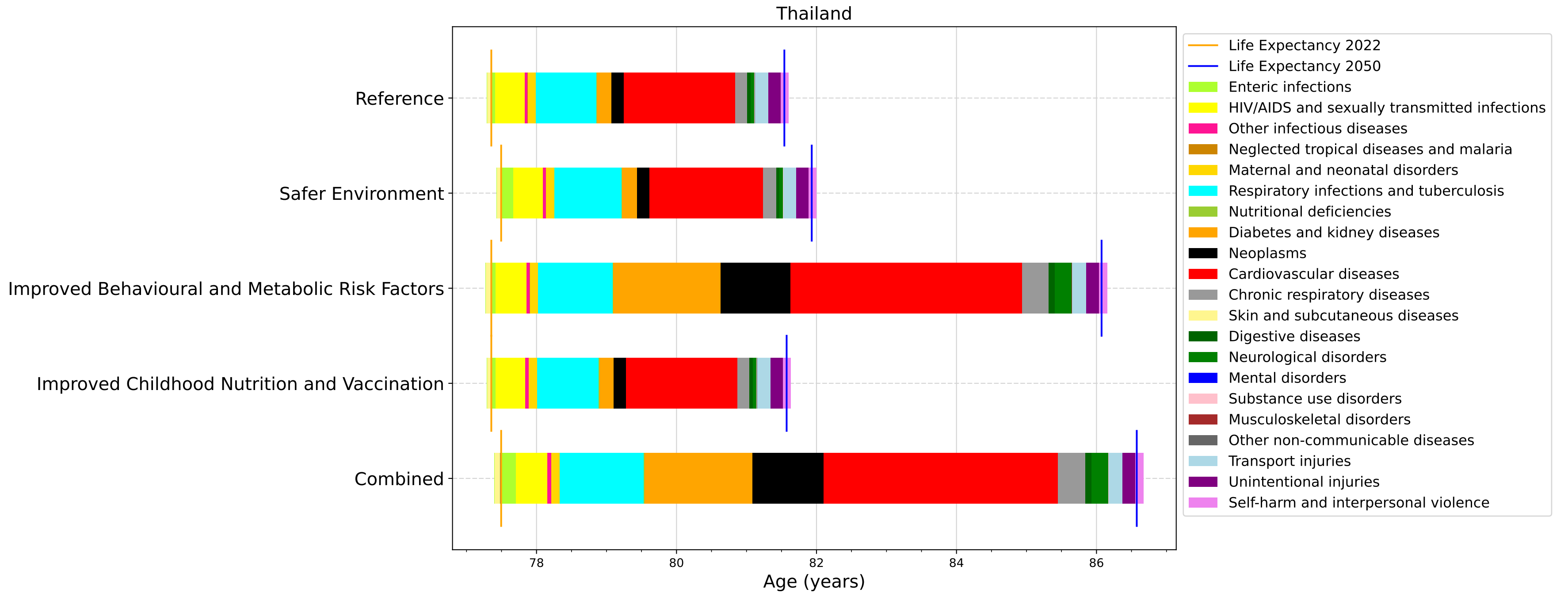


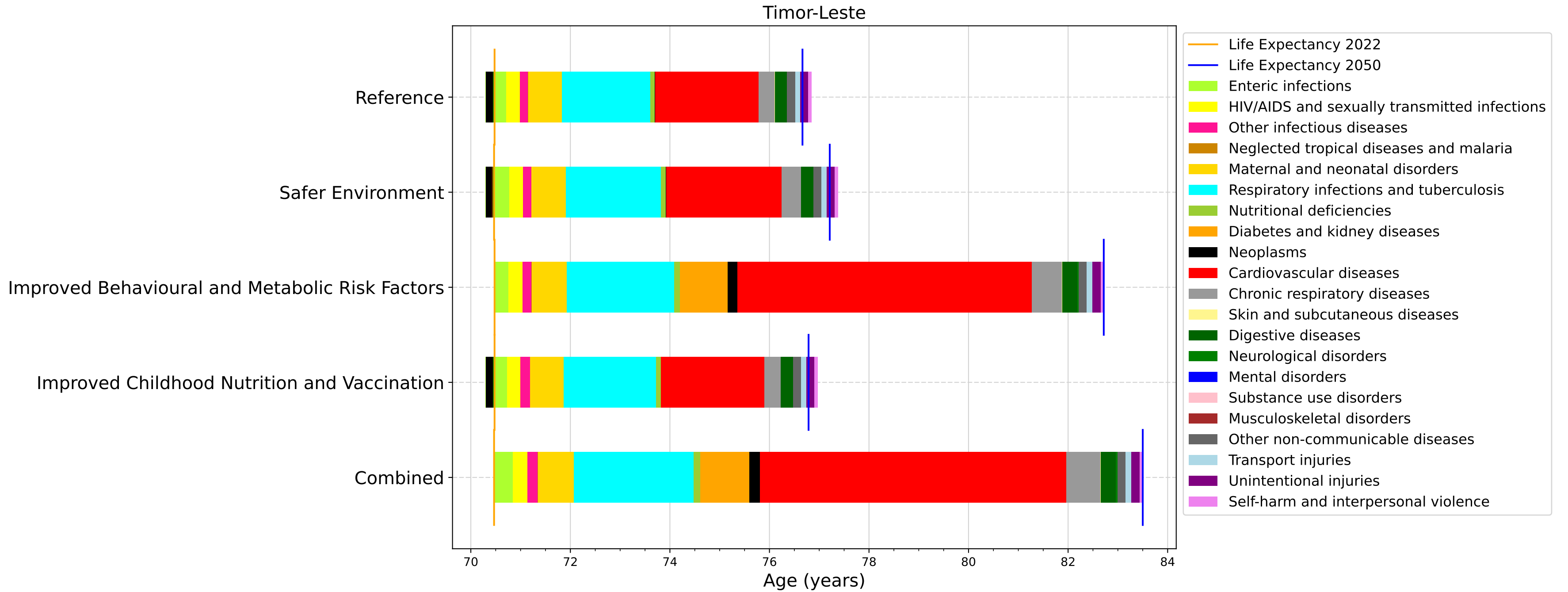


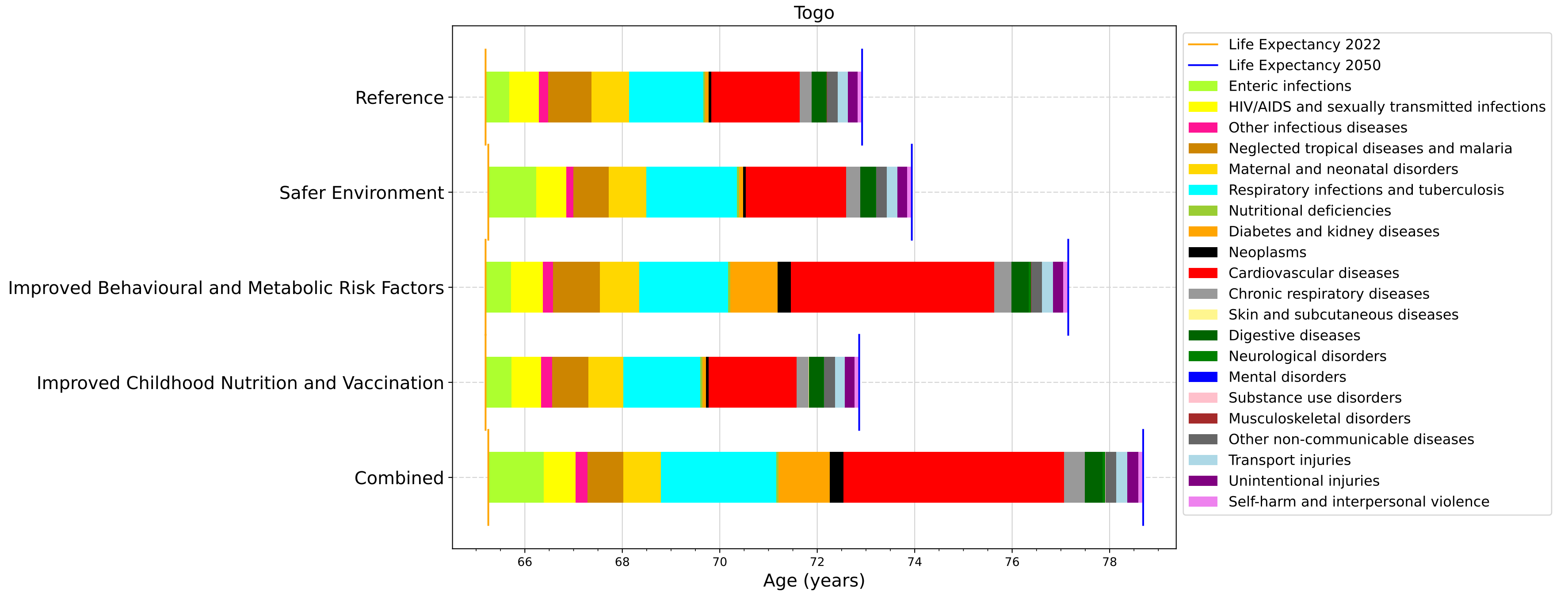
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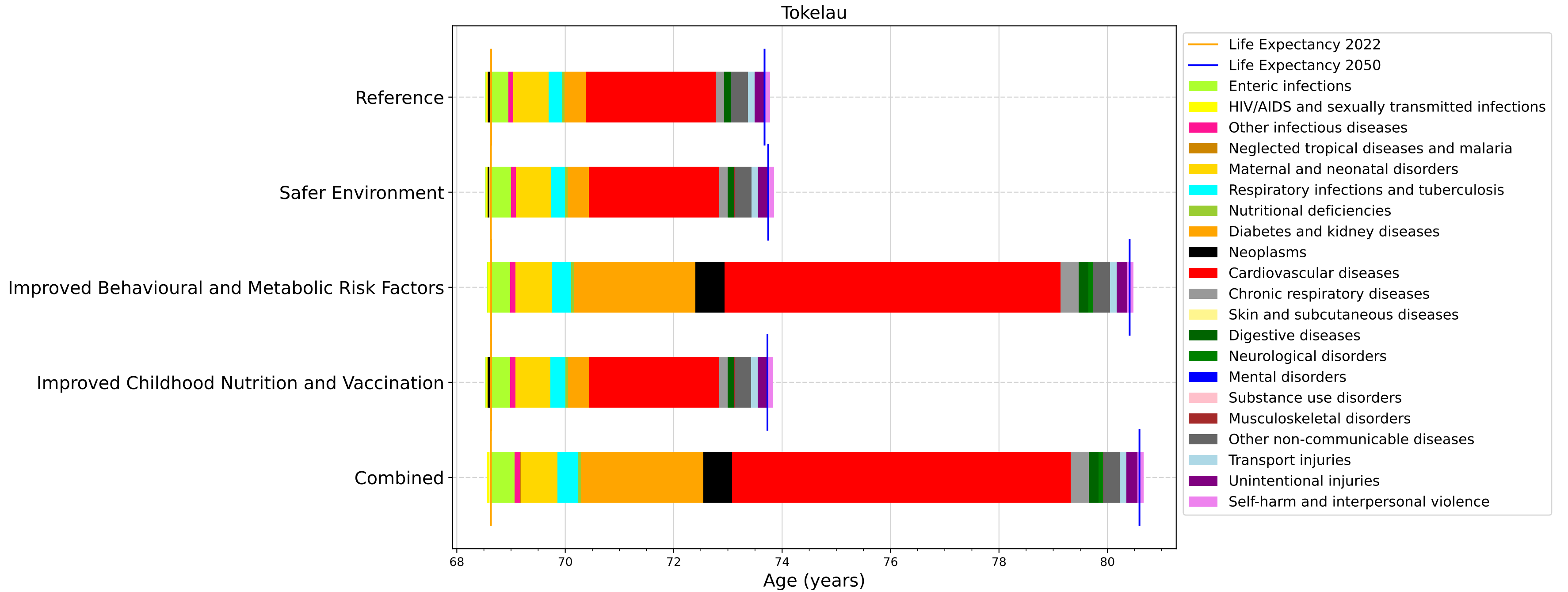


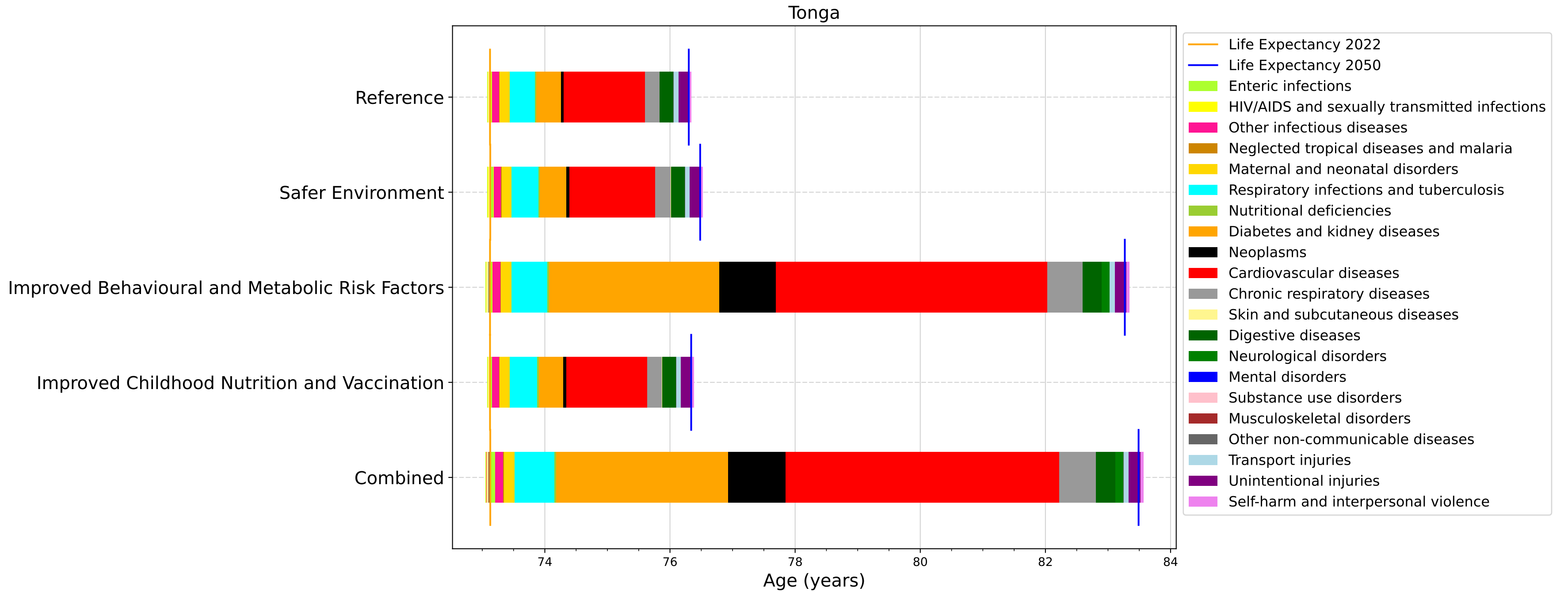




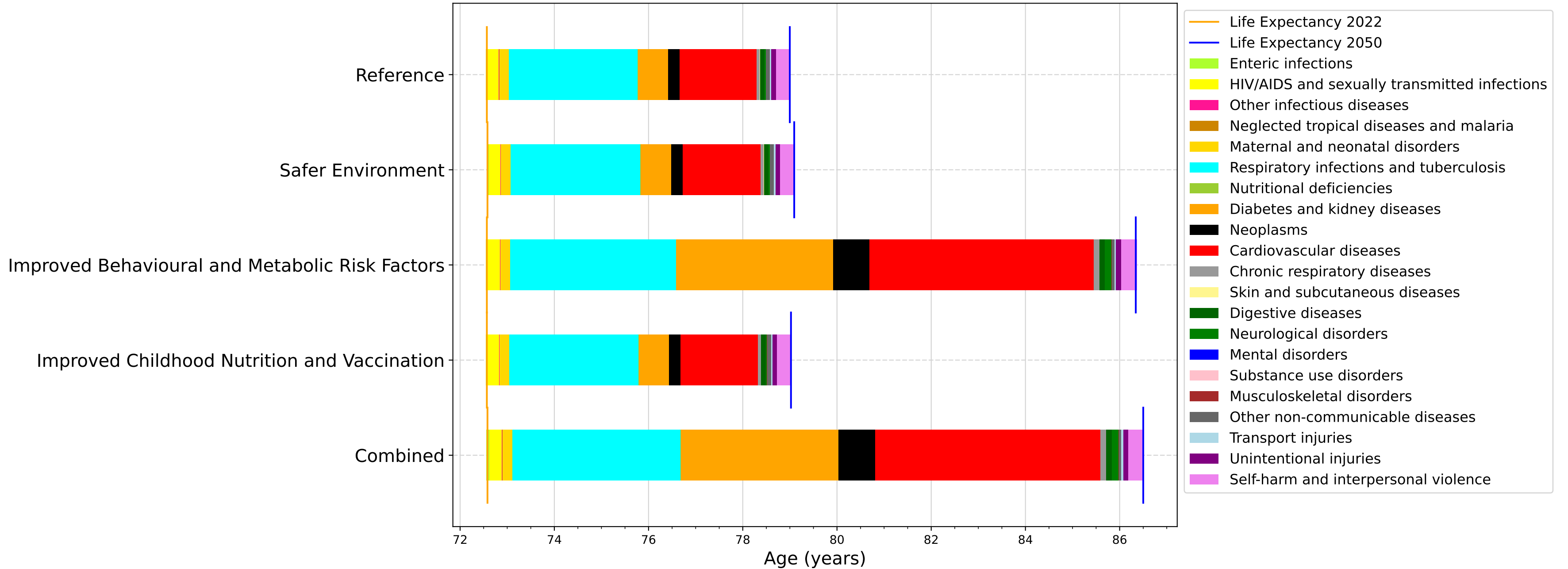




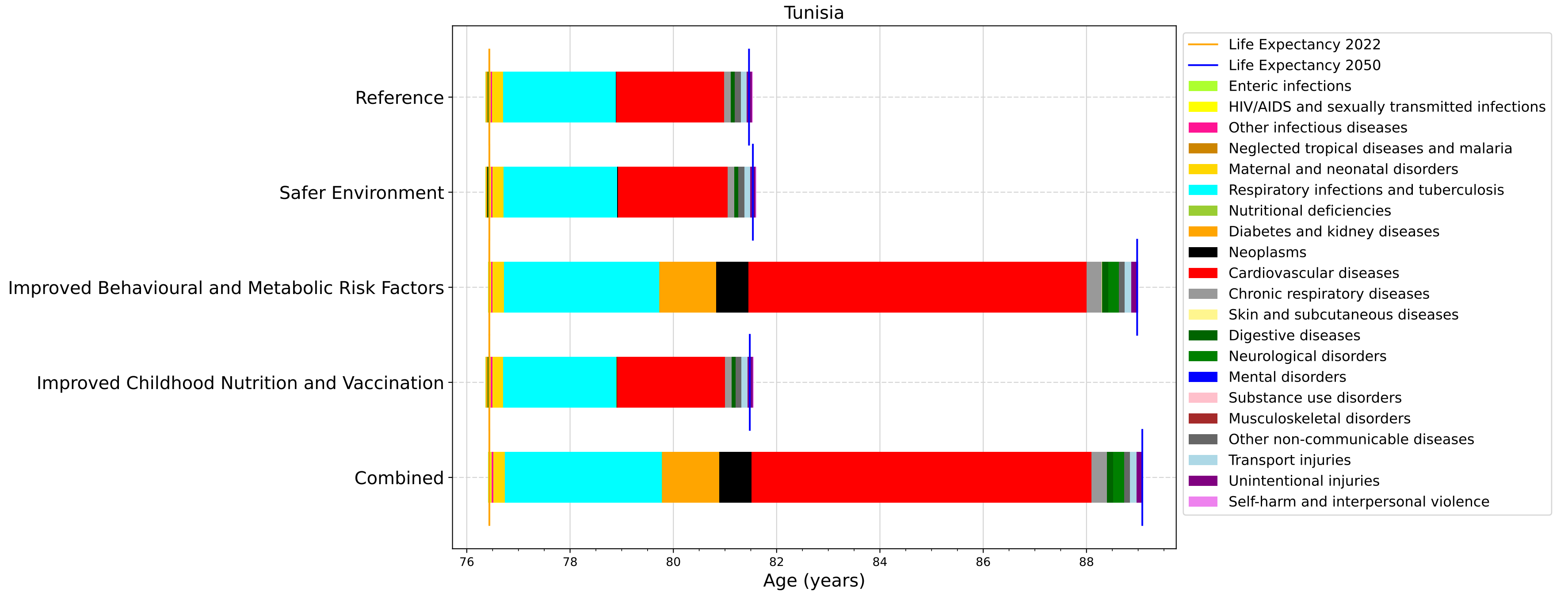


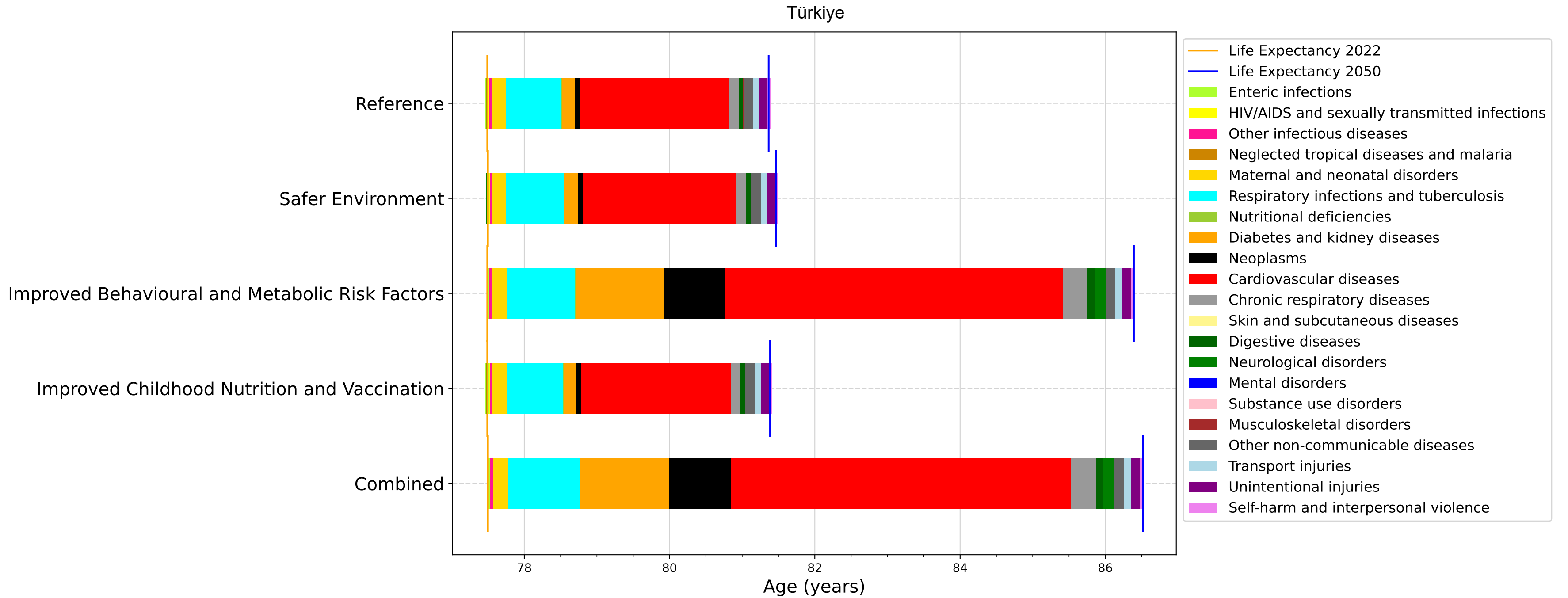


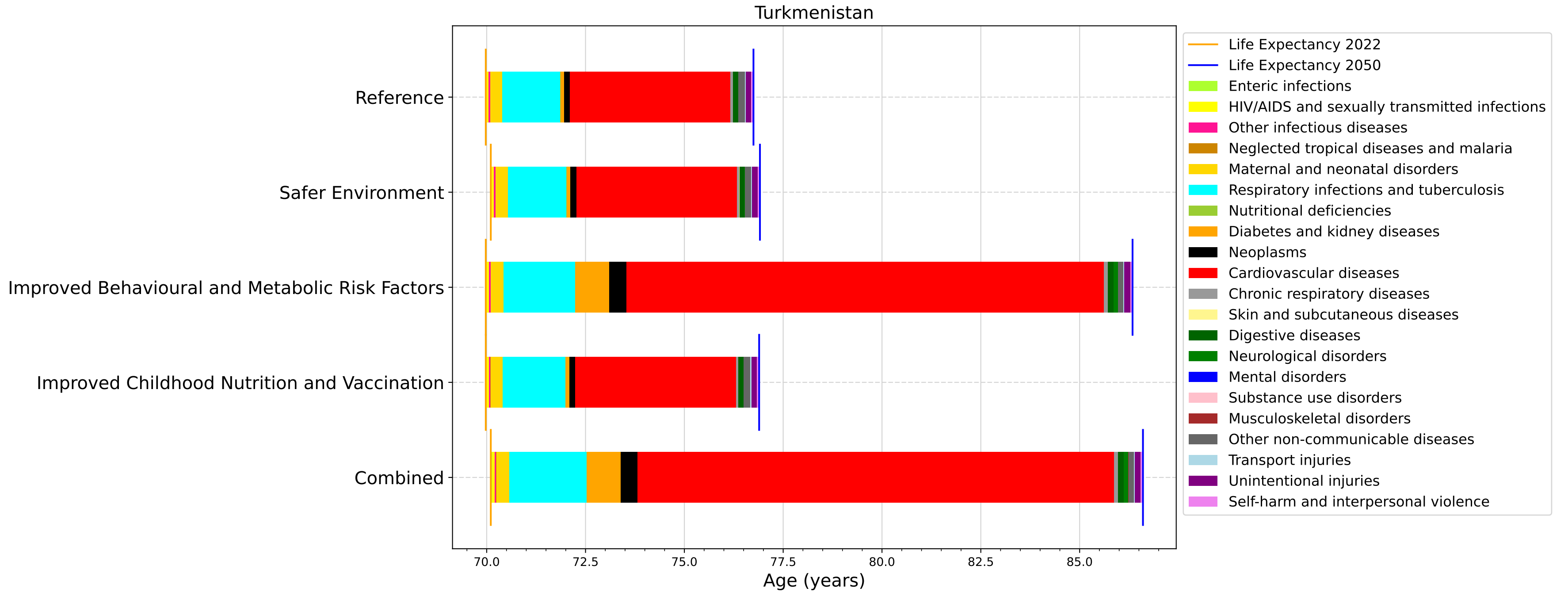
### Trinidad and Tobago

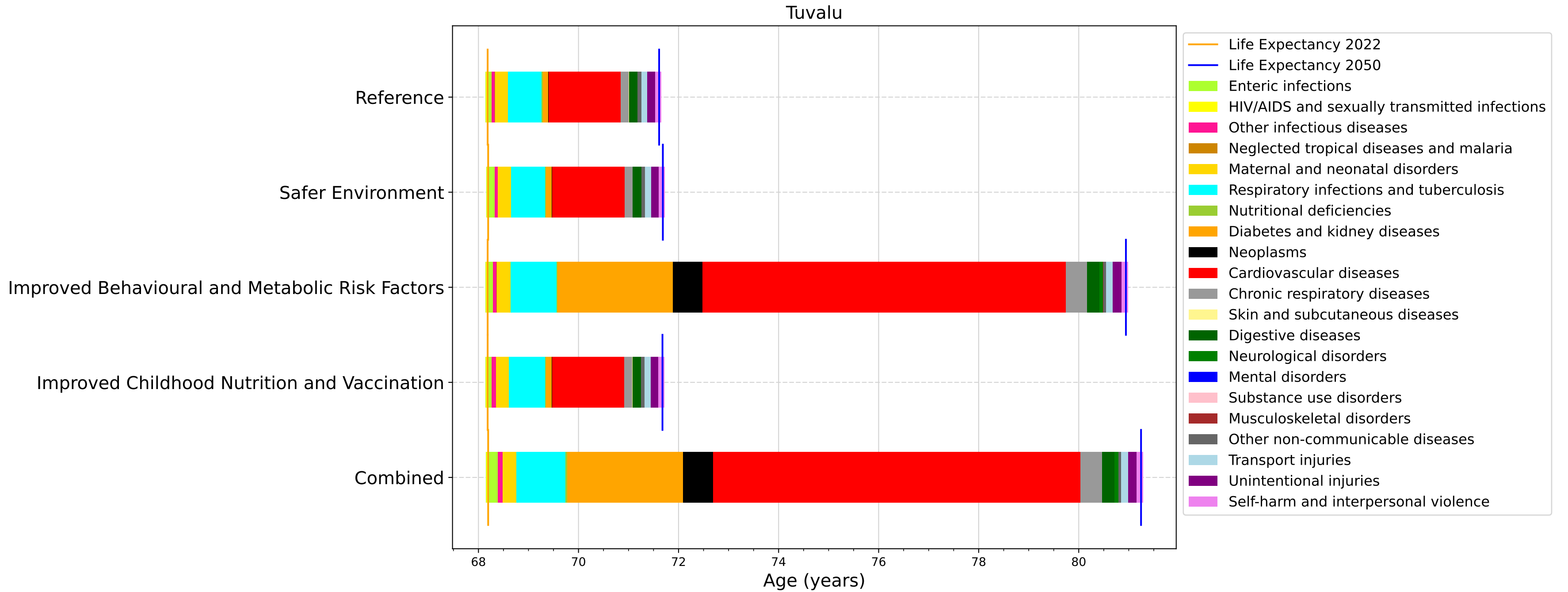


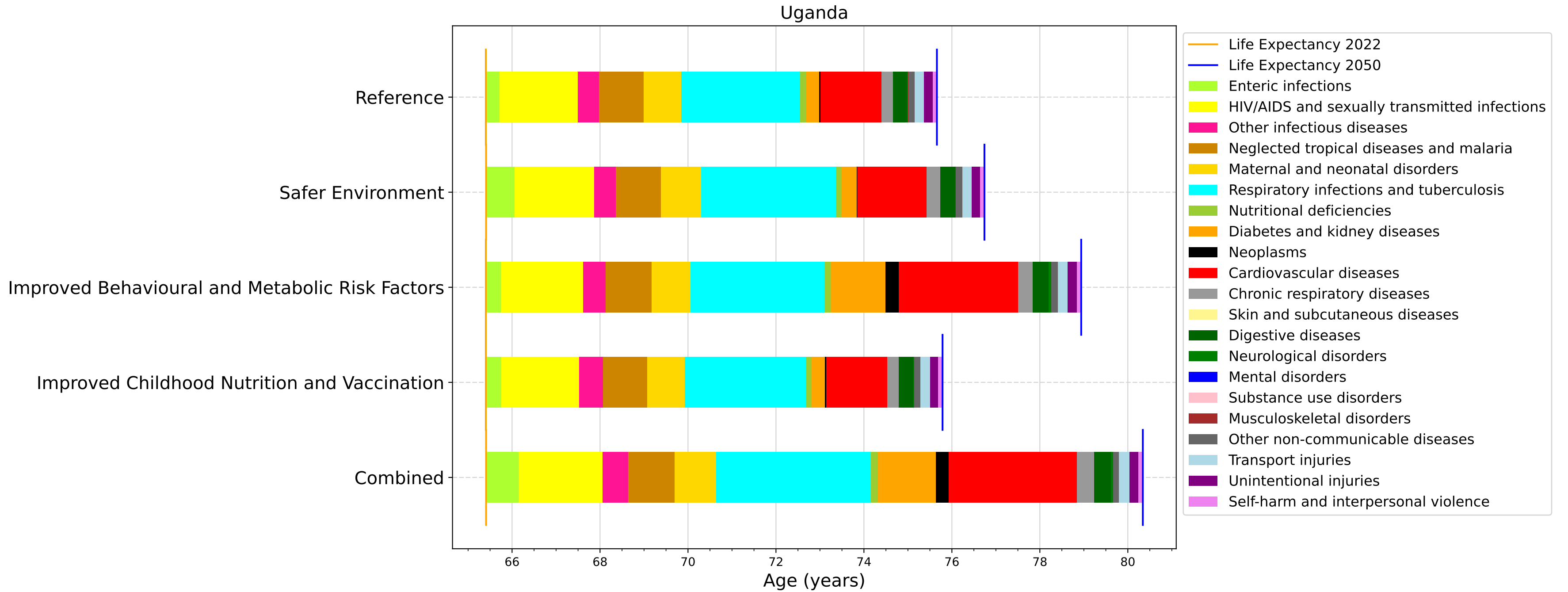




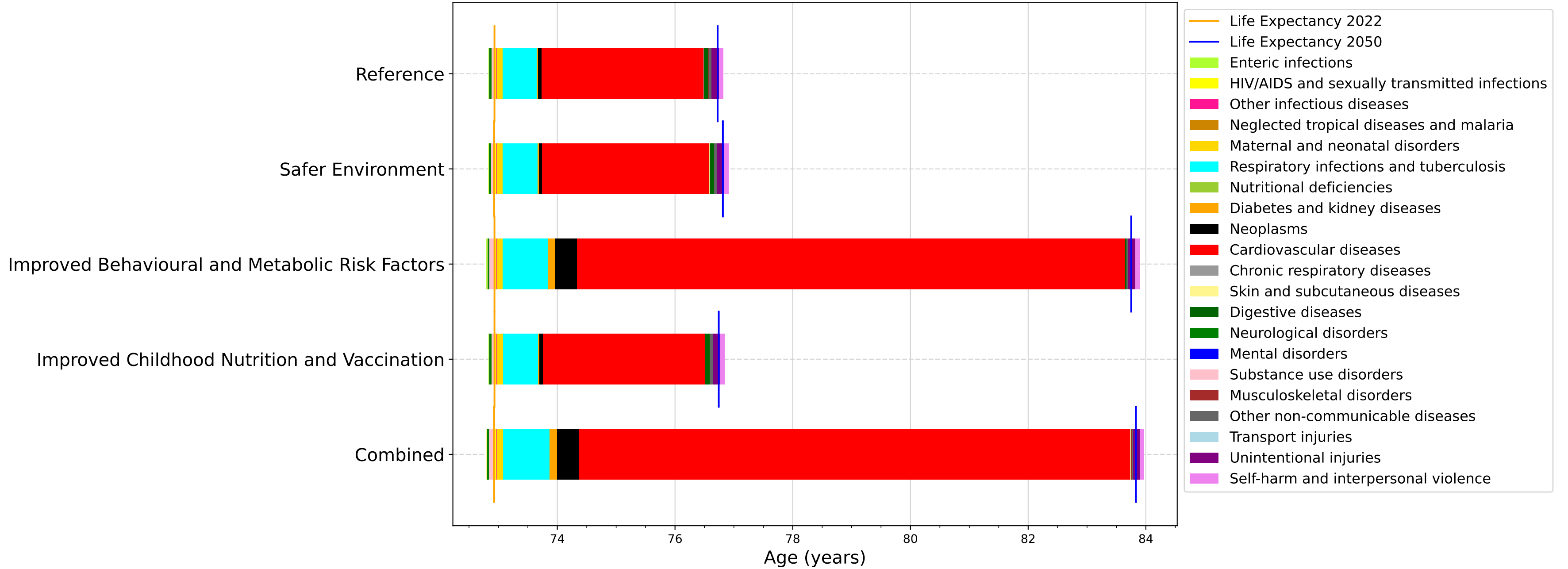


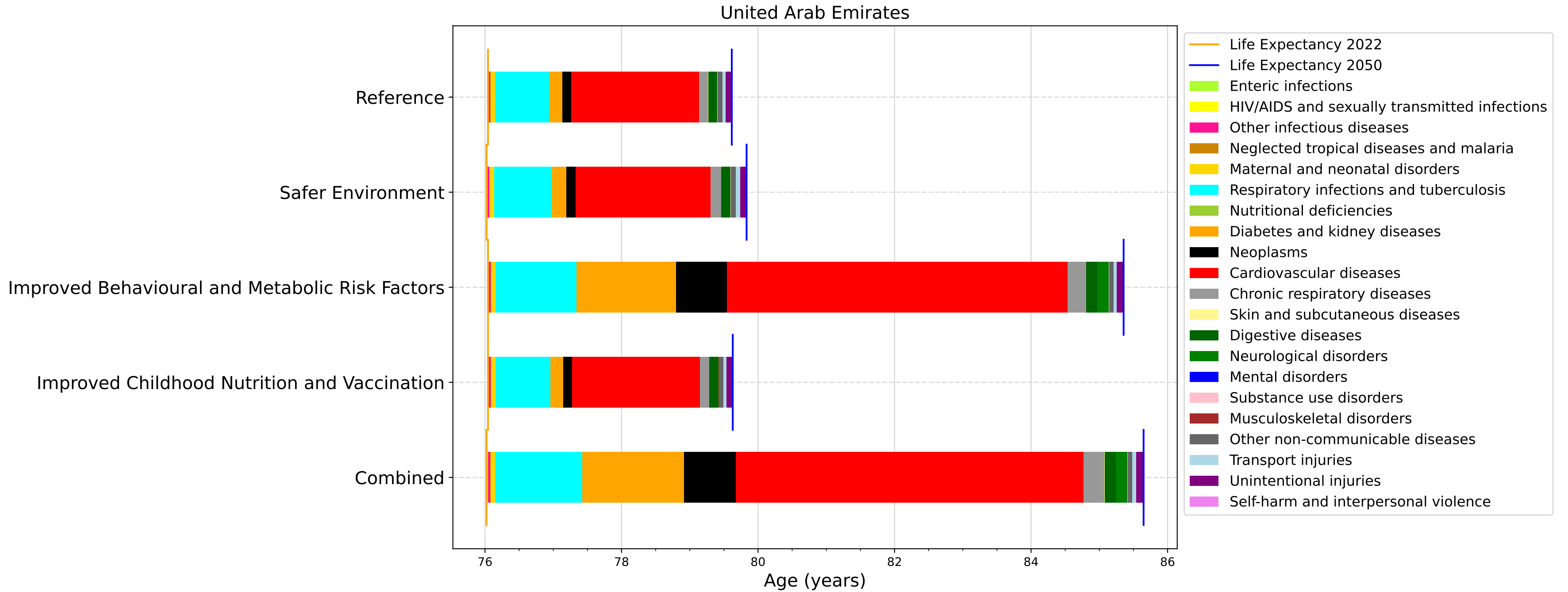


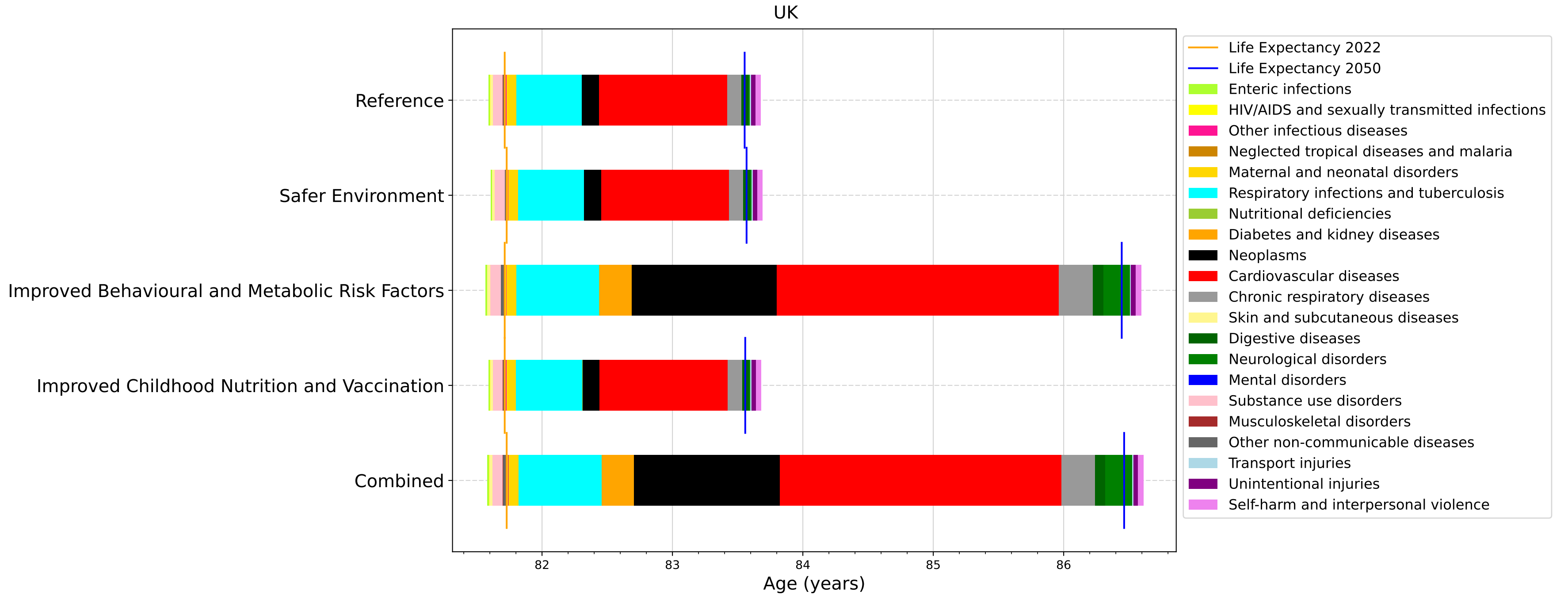




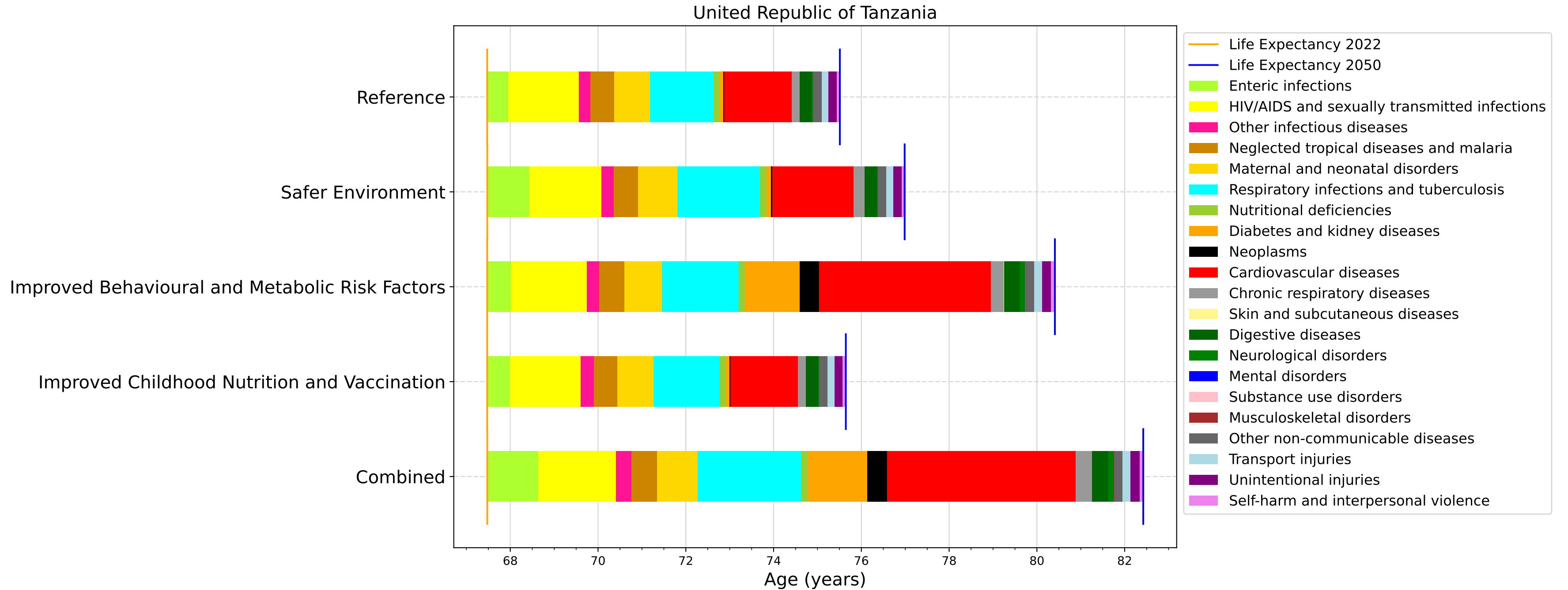
Ukraine



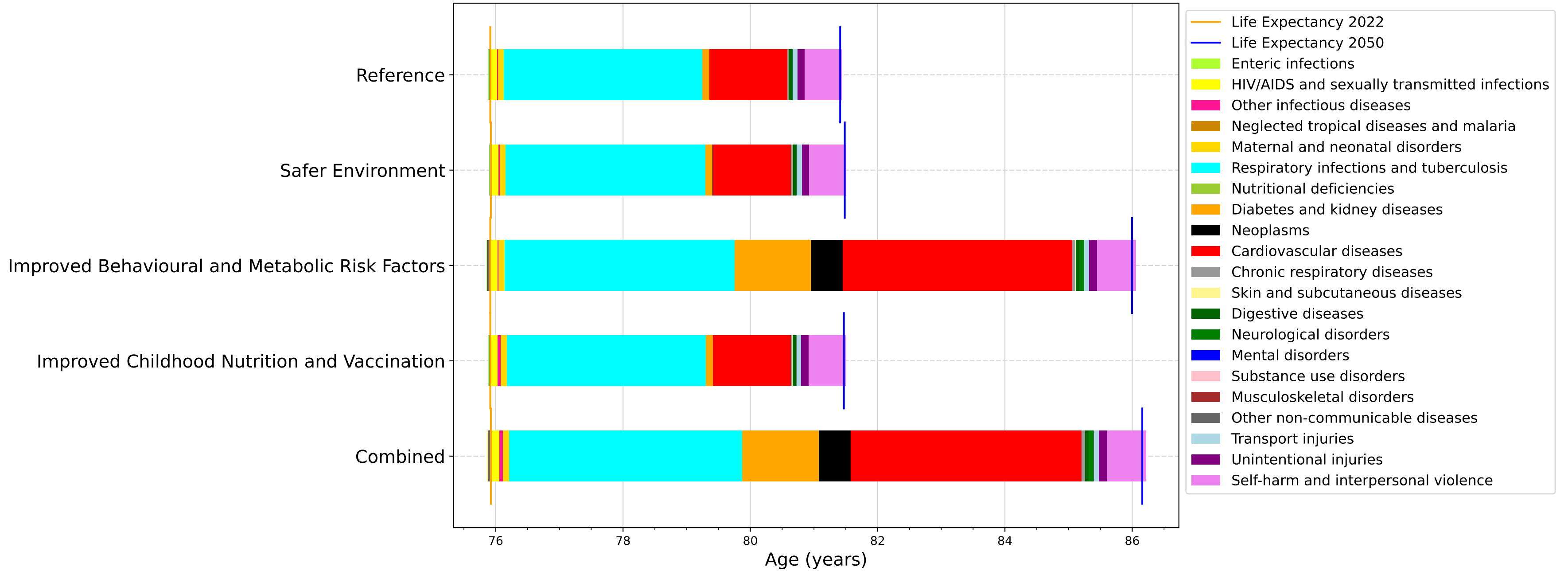




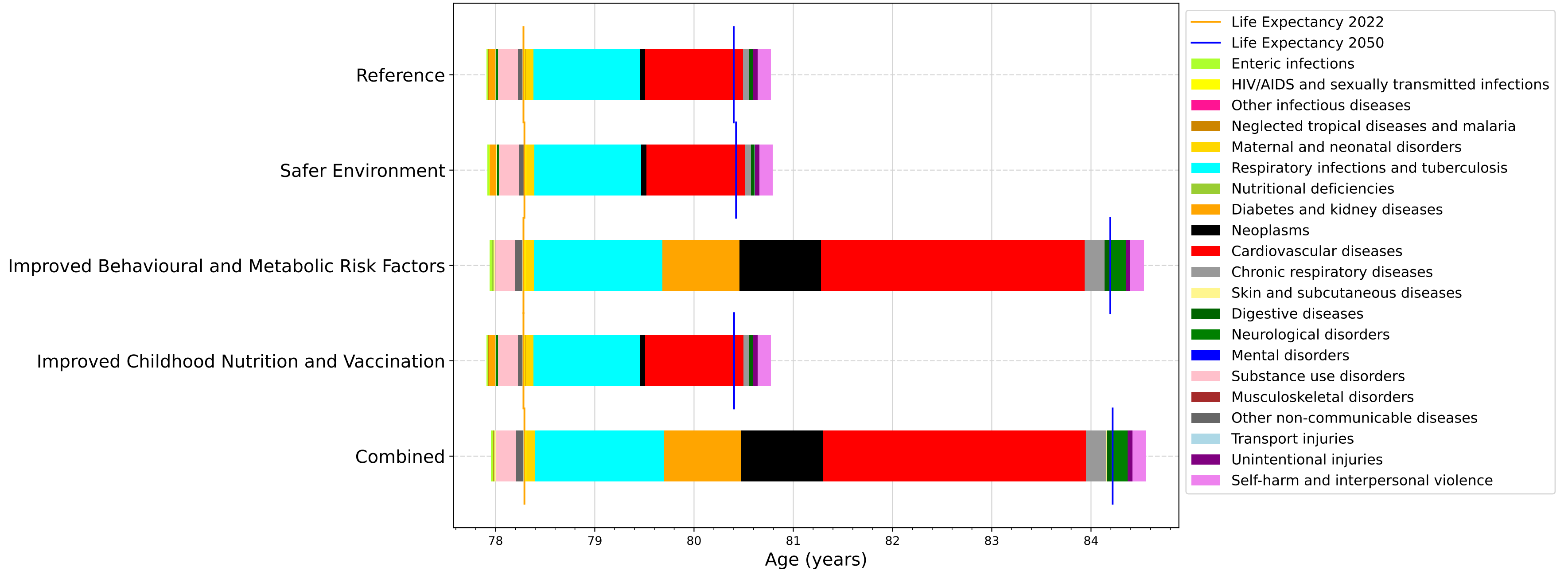


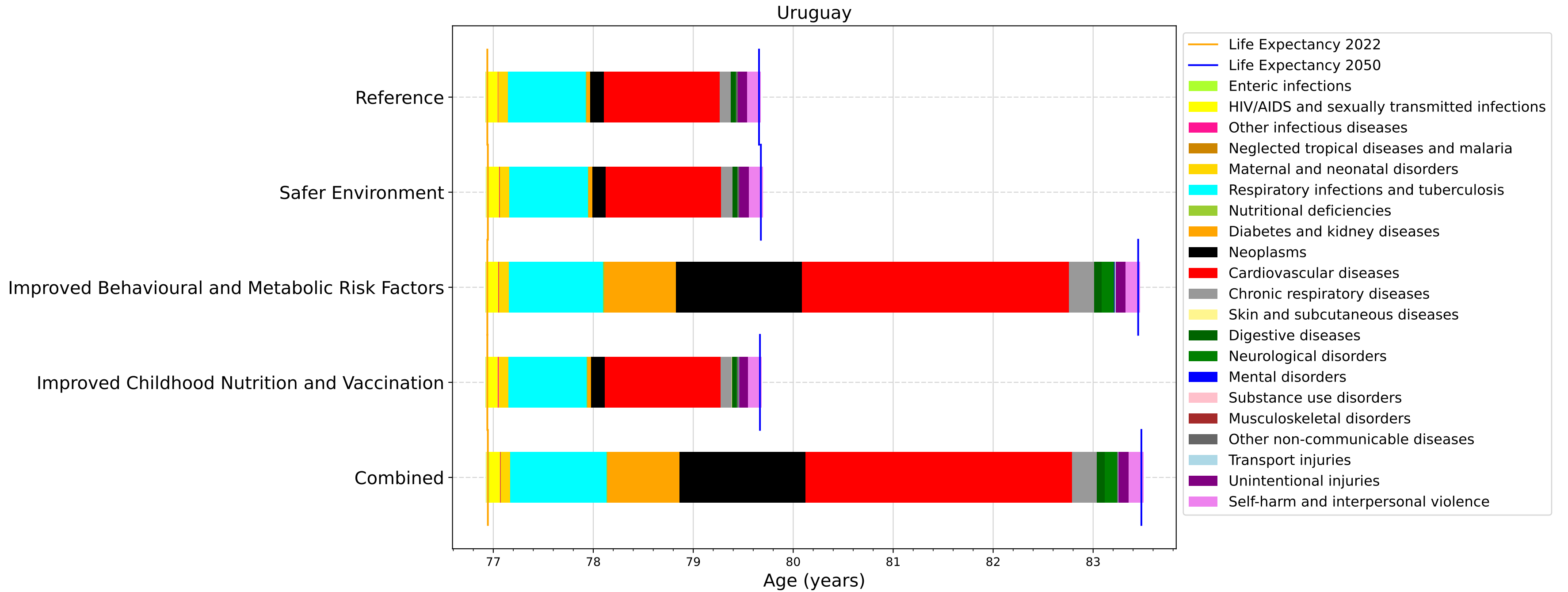


United States Virgin Islands

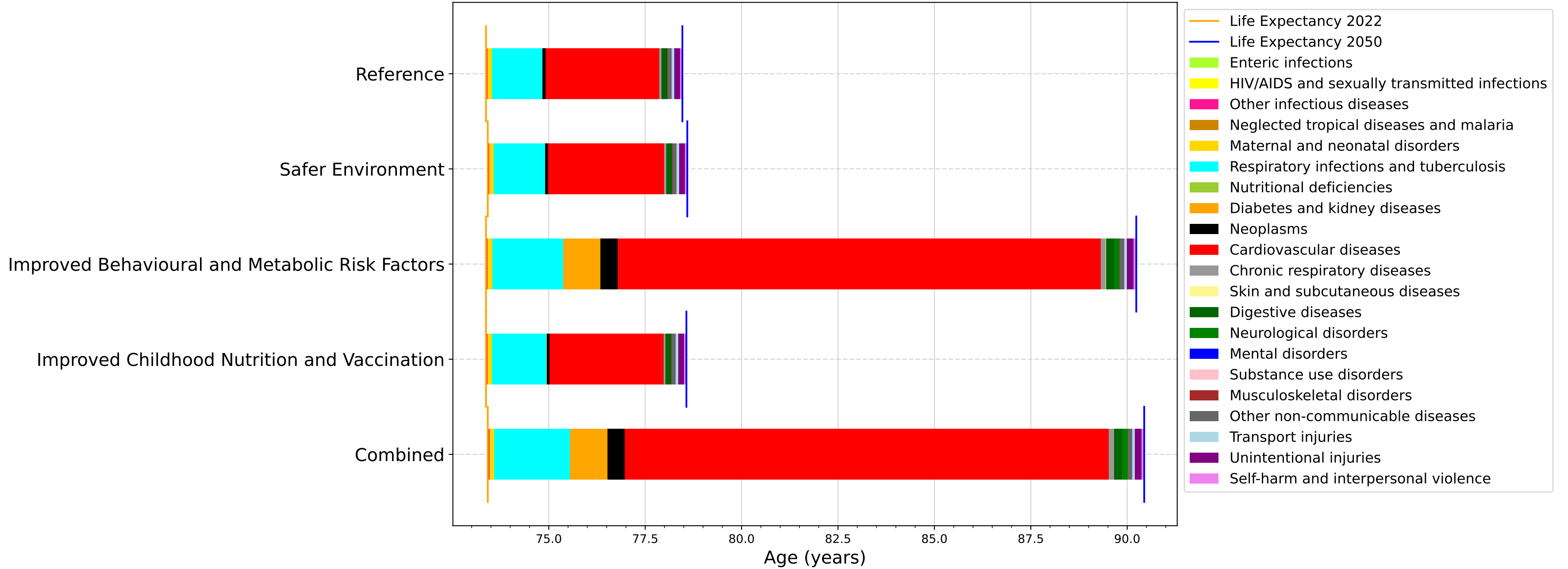


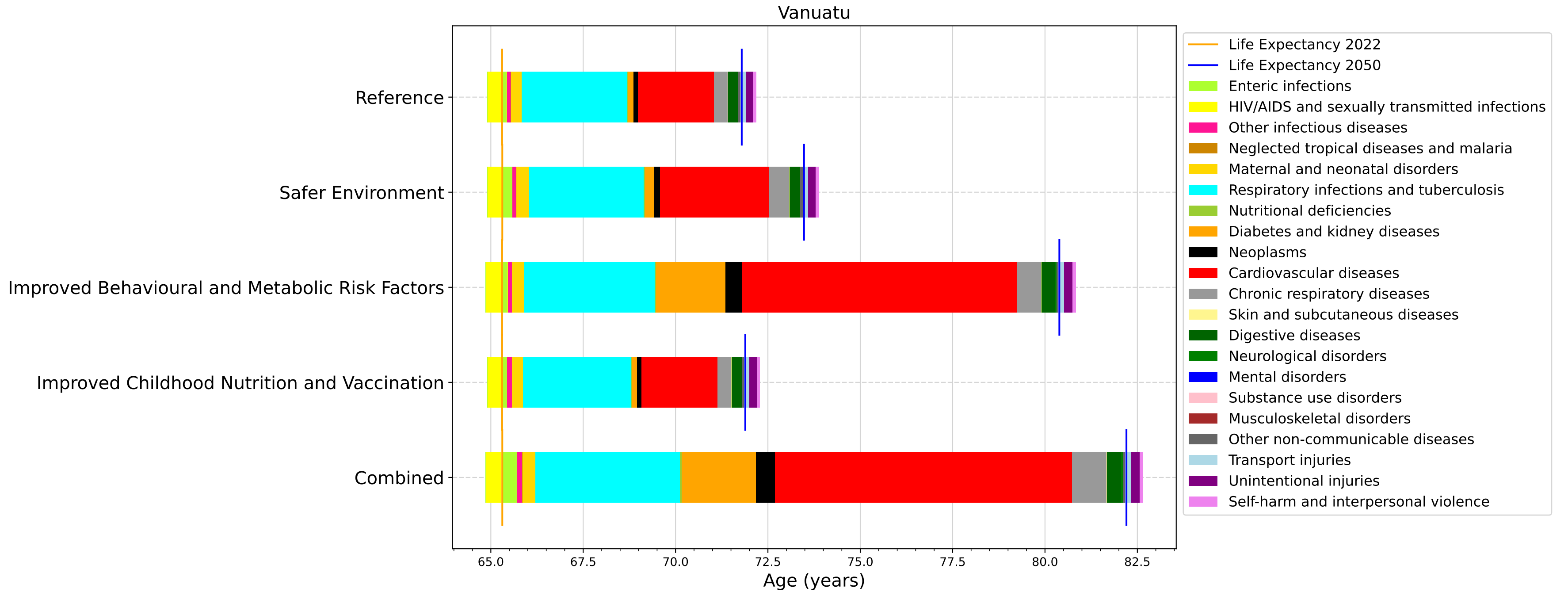
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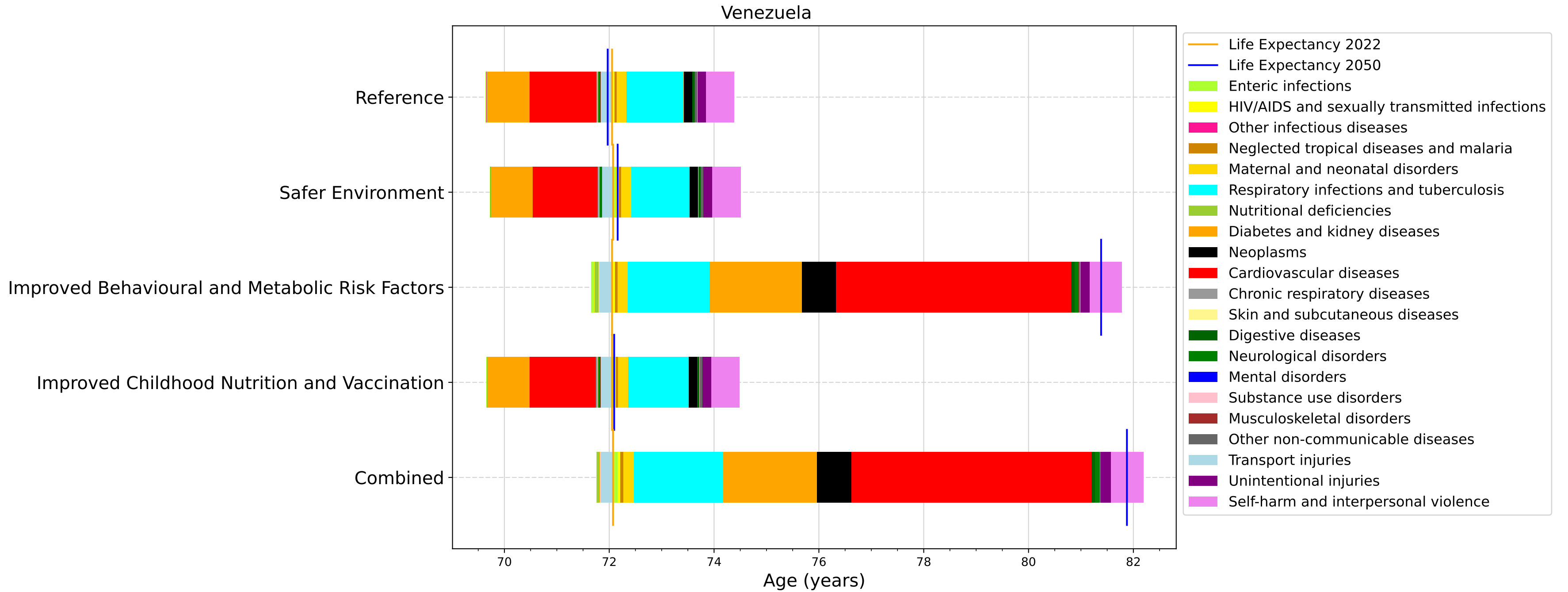


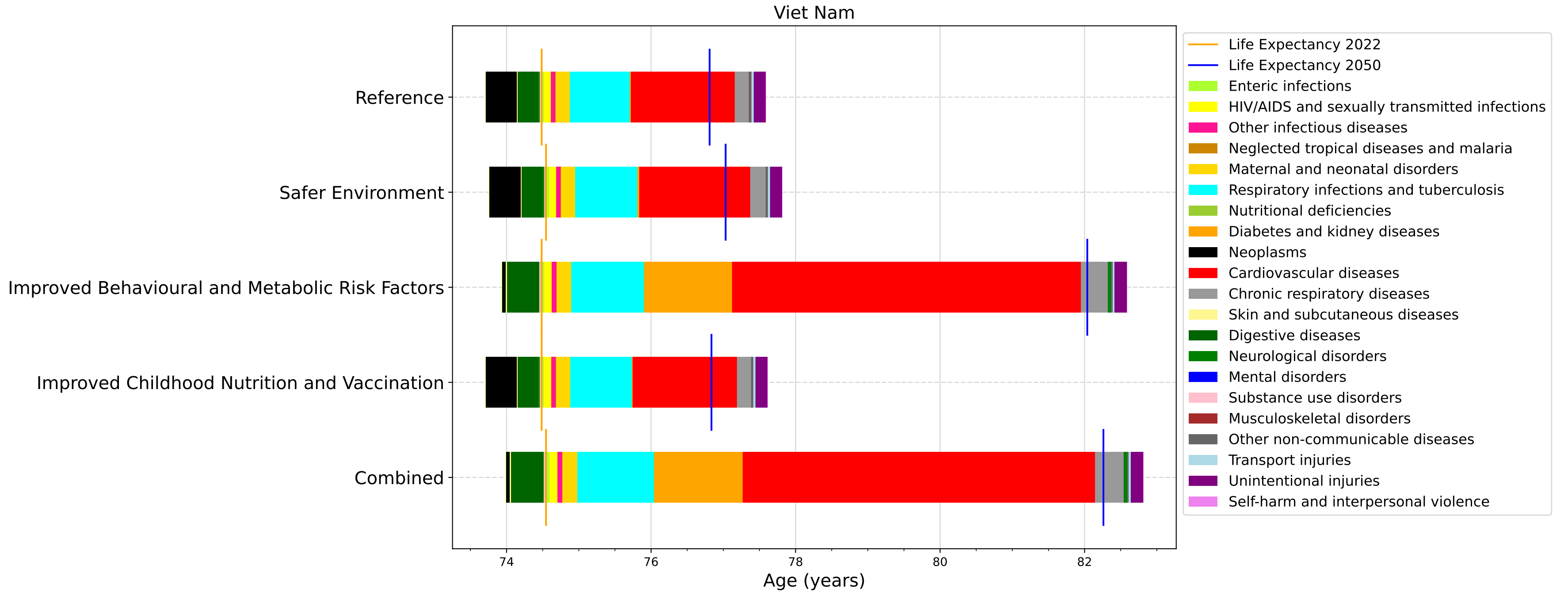


Uzbekistan

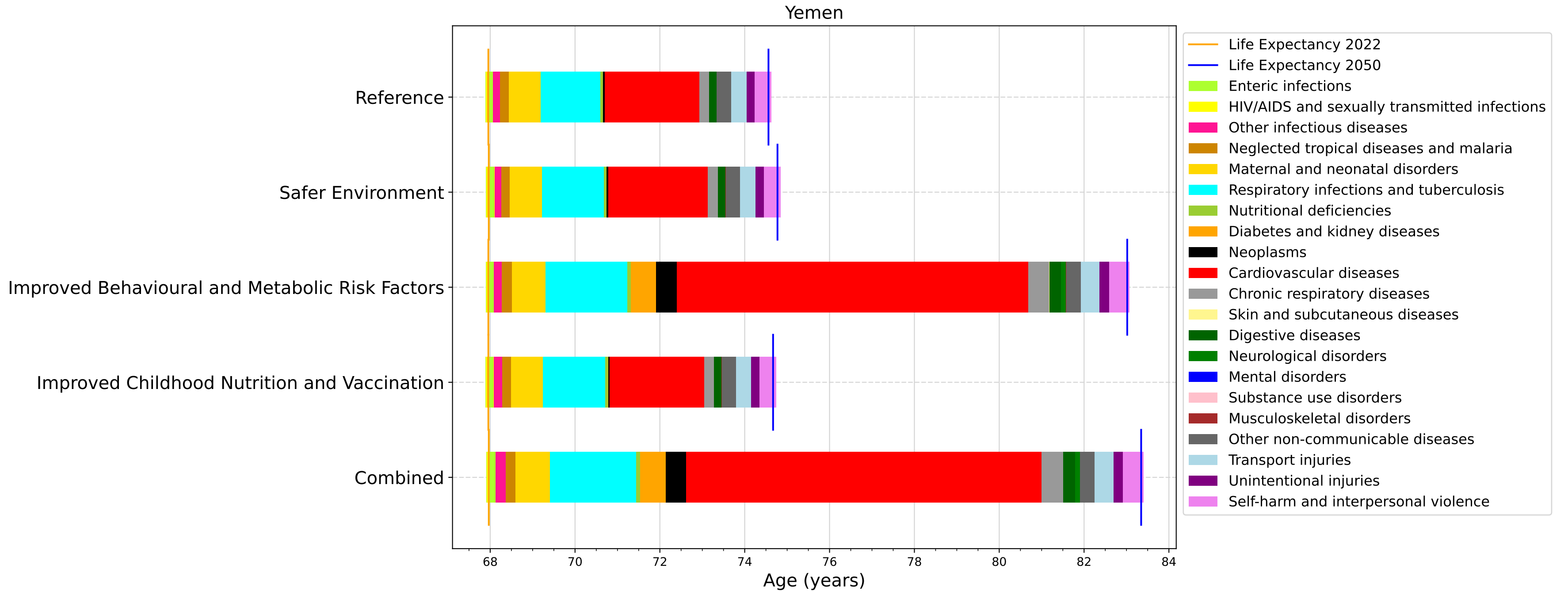


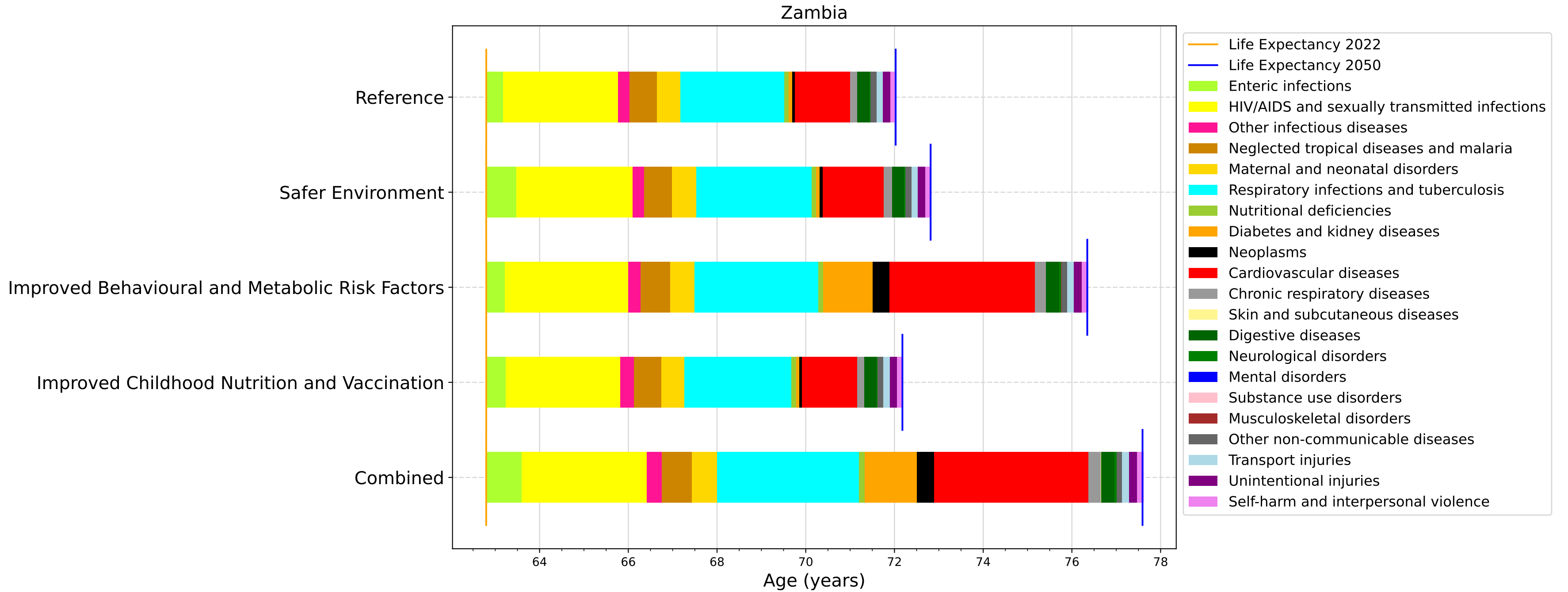


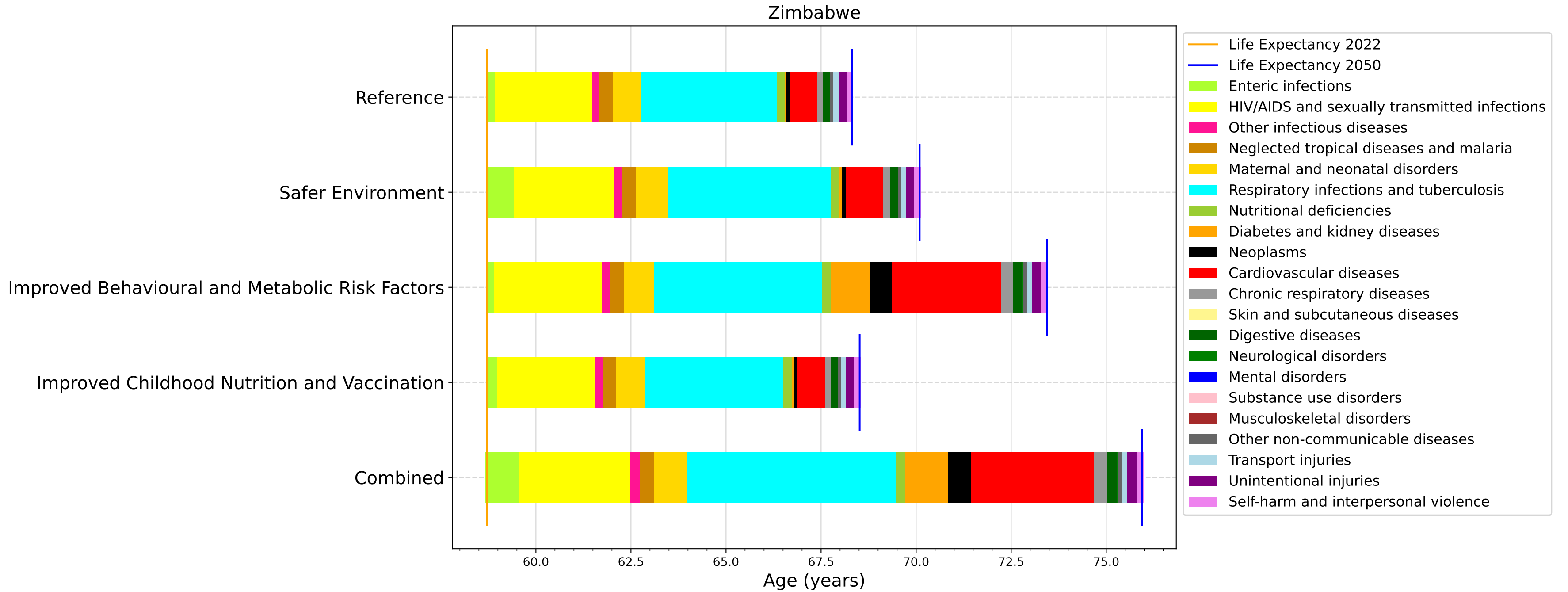












**Supplementary Results Table S1. Annual change in life expectancy in pre-COVID pandemic years (1990-2019) and post-COVID pandemic years (2022-2050) by global and super region for females, males and both sexes. Estimates are listed as means with 95% uncertainty intervals in parenthesis.**

	Male		Female		Both sexes	
	Past (1990 - 2019)	Future (2022 - 2050)	Past (1990 - 2019)	Future (2022 - 2050)	Past (1990 - 2019)	Future (2022 - 2050)
<b>Global</b>	0·27 (0·24 - 0·30)	0·15 (0·05 - 0·22)	0·27 (0·24 - 0·30)	0·18 (0·09 - 0·24)	0·27 (0·25 - 0·29)	0·16 (0·07 - 0·23)
Central Europe, Eastern Europe, and Central Asia	0·15 (0·14 - 0·16)	0·17 (0·09 - 0·23)	0·18 (0·16 - 0·19)	0·21 (0·14 - 0·27)	0·16 (0·15 - 0·17)	0·19 (0·11 - 0·25)
High income	0·16 (0·16 - 0·16)	0·05 (0·04 - 0·06)	0·21 (0·21 - 0·22)	0·09 (0·08 - 0·10)	0·19 (0·18 - 0·19)	0·07 (0·06 - 0·08)
Latin America and Caribbean	0·22 (0·20 - 0·23)	0·13 (0·03 - 0·20)	0·22 (0·20 - 0·24)	0·16 (0·08 - 0·22)	0·22 (0·20 - 0·24)	0·14 (0·05 - 0·21)
North Africa and Middle East	0·28 (0·26 - 0·31)	0·14 (0·03 - 0·23)	0·28 (0·25 - 0·31)	0·17 (0·07 - 0·25)	0·28 (0·25 - 0·31)	0·16 (0·05 - 0·24)
South Asia	0·35 (0·31 - 0·39)	0·24 (0·10 - 0·35)	0·31 (0·27 - 0·35)	0·24 (0·11 - 0·34)	0·33 (0·30 - 0·37)	0·24 (0·11 - 0·35)
Southeast Asia, East Asia, and Oceania	0·33 (0·26 - 0·38)	0·13 (0·06 - 0·18)	0·28 (0·21 - 0·35)	0·13 (0·07 - 0·17)	0·30 (0·25 - 0·35)	0·13 (0·07 - 0·18)
Sub-Saharan Africa	0·36 (0·31 - 0·41)	0·32 (0·21 - 0·40)	0·36 (0·30 - 0·41)	0·33 (0·22 - 0·41)	0·36 (0·31 - 0·41)	0·33 (0·20 - 0·40)

**Supplemental Results Table S2. Life expectancy and healthy life expectancy (HALE) in 2022 and 2050 (reference scenario) by location for both sexes. Estimates are listed as means with 95% uncertainty intervals in parentheses. Highlighted rows indicate region and super region results from the GBD location hierarchy.**

	Reference scenario life expectancy at birth			Reference scenario HALE at birth		
	Both Males and Females			Both Males and Females		
	2022	2030	2050	2022	2030	2050
<b>Global</b>	73.6 (72.7 - 74.4)	75.7 (74.4 - 76.7)	78.2 (75.2 - 80.3)	63.6 (60.7 - 66.3)	65.3 (62.3 - 68.1)	66.7 (63.0 - 70.4)
<b>Central Europe, Eastern Europe, and Central Asia</b>	73.5 (72.9 - 74.1)	75.9 (74.9 - 76.8)	78.8 (76.4 - 80.6)	63.9 (61.1 - 66.5)	66.0 (63.1 - 68.6)	68.1 (64.6 - 71.4)
<b>Central Asia</b>	72.1 (71.0 - 73.2)	75.4 (73.8 - 76.8)	78.6 (74.6 - 81.8)	63.2 (60.6 - 65.6)	65.9 (63.1 - 68.6)	68.4 (64.1 - 72.5)
Armenia	76.2 (73.3 - 77.7)	79.3 (78.1 - 80.5)	82.2 (80.1 - 84.1)	66.7 (63.2 - 69.3)	69.3 (66.3 - 71.8)	71.6 (68.2 - 74.7)
Azerbaijan	72.5 (71.2 - 73.9)	75.7 (74.0 - 77.4)	79.1 (75.2 - 82.4)	63.8 (61.3 - 66.1)	66.6 (63.8 - 69.1)	69.2 (64.9 - 73.2)
Georgia	74.0 (72.8 - 75.1)	76.5 (75.4 - 77.8)	78.8 (76.5 - 80.8)	64.6 (61.8 - 67.1)	67.0 (64.1 - 69.5)	68.8 (65.5 - 72.1)
Kazakhstan	70.0 (67.9 - 71.6)	74.9 (73.7 - 76.1)	78.3 (75.6 - 80.4)	61.4 (58.6 - 63.9)	65.3 (62.6 - 67.9)	67.8 (64.3 - 71.3)
Kyrgyzstan	71.1 (68.9 - 72.9)	75.8 (73.8 - 77.7)	78.2 (74.4 - 81.4)	62.7 (59.7 - 65.4)	66.5 (63.3 - 69.3)	68.2 (64.1 - 72.3)
Mongolia	71.6 (70.5 - 72.8)	73.1 (71.6 - 74.9)	75.3 (71.5 - 78.5)	62.4 (59.5 - 65.0)	63.9 (61.1 - 66.8)	65.4 (61.4 - 69.6)
Tajikistan	73.0 (70.7 - 74.6)	75.8 (74.0 - 77.6)	78.9 (74.4 - 82.8)	64.0 (61.1 - 66.5)	66.5 (63.4 - 69.2)	68.9 (64.4 - 73.5)
Turkmenistan	70.0 (67.0 - 72.7)	72.8 (69.3 - 75.9)	77.1 (70.6 - 82.8)	61.7 (58.4 - 64.8)	64.2 (60.6 - 67.7)	67.6 (61.7 - 73.3)
Uzbekistan	73.4 (72.0 - 74.8)	75.4 (73.2 - 77.4)	78.8 (73.5 - 83.0)	64.2 (61.5 - 66.8)	66.0 (62.9 - 68.8)	68.5 (63.4 - 73.3)
<b>Central Europe</b>	76.5 (75.9 - 77.2)	78.7 (78.1 - 79.4)	80.6 (79.4 - 81.5)	66.6 (63.5 - 69.1)	68.5 (65.5 - 71.2)	69.8 (66.7 - 72.6)
Albania	77.5 (76.0 - 78.9)	79.8 (78.4 - 81.3)	81.4 (79.3 - 83.2)	67.7 (64.6 - 70.5)	69.7 (66.6 - 72.5)	70.8 (67.2 - 73.9)
Bosnia and Herzegovina	77.3 (75.2 - 79.3)	79.8 (78.1 - 82.0)	82.1 (79.5 - 84.9)	66.9 (63.6 - 70.1)	69.1 (65.5 - 72.4)	70.7 (66.5 - 74.5)
Bulgaria	72.4 (71.1 - 73.8)	74.9 (73.5 - 76.2)	76.8 (74.9 - 78.5)	63.5 (60.6 - 65.9)	65.6 (62.7 - 68.1)	67.1 (64.0 - 69.9)
Croatia	77.8 (76.8 - 78.7)	80.2 (79.3 - 81.1)	81.6 (80.6 - 82.6)	67.5 (64.4 - 70.2)	69.6 (66.5 - 72.3)	70.6 (67.3 - 73.4)

Czechia	79.6 (78.7 - 80.5)	81.1 (80.2 - 82.1)	82.7 (81.4 - 84.0)	68.6 (65.3 - 71.4)	70.1 (66.8 - 72.9)	71.2 (67.8 - 74.2)
Hungary	76.5 (75.5 - 77.6)	78.5 (77.4 - 79.5)	80.3 (78.8 - 81.6)	66.4 (63.3 - 69.1)	68.2 (65.1 - 71.0)	69.4 (66.1 - 72.4)
Montenegro	75.0 (74.0 - 76.0)	77.0 (76.0 - 78.0)	78.8 (77.5 - 79.9)	65.5 (62.6 - 68.0)	67.5 (64.5 - 70.0)	68.7 (65.7 - 71.4)
North Macedonia	72.8 (70.4 - 74.5)	76.7 (75.5 - 78.0)	78.5 (76.8 - 79.9)	63.9 (60.9 - 66.7)	67.2 (64.3 - 69.7)	68.4 (65.4 - 71.3)
Poland	77.3 (76.4 - 78.1)	79.6 (78.8 - 80.4)	81.1 (80.2 - 82.0)	67.0 (63.9 - 69.5)	69.0 (65.9 - 71.6)	70.1 (66.9 - 72.9)
Romania	75.3 (74.2 - 76.4)	77.2 (76.1 - 78.4)	79.4 (77.4 - 81.1)	65.9 (63.0 - 68.5)	67.6 (64.6 - 70.3)	69.2 (65.9 - 72.3)
Serbia	75.4 (74.2 - 76.6)	77.4 (76.2 - 78.6)	79.2 (77.7 - 80.6)	66.0 (63.2 - 68.5)	67.7 (64.7 - 70.3)	68.7 (65.3 - 71.6)
Slovakia	77.0 (76.0 - 78.1)	79.0 (77.9 - 80.2)	80.9 (79.3 - 82.3)	66.9 (63.8 - 69.6)	68.7 (65.5 - 71.5)	70.0 (66.5 - 72.9)
Slovenia	81.7 (80.7 - 82.7)	83.5 (82.6 - 84.5)	84.7 (83.7 - 85.8)	70.2 (66.8 - 73.0)	72.0 (68.6 - 74.9)	72.9 (69.4 - 75.7)
<b>Eastern Europe</b>	<b>72.8 (71.9 - 73.7)</b>	<b>75.0 (73.8 - 76.2)</b>	<b>78.3 (75.9 - 80.2)</b>	<b>63.2 (60.4 - 65.8)</b>	<b>65.1 (62.1 - 67.7)</b>	<b>67.4 (64.0 - 70.7)</b>
Belarus	71.9 (70.1 - 73.8)	75.6 (73.6 - 77.7)	78.3 (75.1 - 81.0)	63.1 (60.4 - 65.8)	66.0 (63.3 - 68.7)	68.0 (64.4 - 71.3)
Estonia	77.9 (76.8 - 79.0)	80.7 (79.7 - 81.8)	82.5 (80.9 - 83.8)	67.4 (64.3 - 70.0)	69.9 (66.7 - 72.5)	71.3 (67.9 - 74.3)
Latvia	74.1 (72.6 - 75.5)	77.5 (76.5 - 78.7)	79.7 (78.2 - 81.1)	64.7 (61.9 - 67.2)	67.5 (64.6 - 70.0)	69.1 (65.9 - 72.0)
Lithuania	75.1 (74.0 - 76.3)	77.6 (76.6 - 78.7)	79.2 (77.6 - 80.7)	65.2 (62.2 - 67.7)	67.3 (64.3 - 69.9)	68.4 (65.3 - 71.3)
Moldova	74.7 (73.4 - 76.0)	77.2 (75.4 - 78.9)	80.5 (76.3 - 83.8)	65.2 (62.4 - 68.1)	67.4 (64.2 - 70.5)	69.9 (65.3 - 74.4)
Russia	72.7 (71.9 - 73.6)	75.2 (74.1 - 76.2)	78.5 (76.5 - 80.3)	63.0 (60.3 - 65.6)	65.1 (62.3 - 67.8)	67.6 (64.3 - 70.7)
Ukraine	73.0 (70.2 - 75.7)	74.1 (71.0 - 77.1)	77.0 (72.8 - 80.9)	63.3 (60.2 - 66.6)	64.3 (60.9 - 67.9)	66.4 (62.4 - 70.9)
<b>High income</b>	<b>81.4 (81.2 - 81.5)</b>	<b>82.6 (82.4 - 82.8)</b>	<b>83.3 (82.9 - 83.6)</b>	<b>69.3 (65.9 - 72.3)</b>	<b>70.4 (67.0 - 73.4)</b>	<b>70.8 (67.3 - 73.8)</b>
<b>Australasia</b>	<b>83.1 (83.1 - 83.2)</b>	<b>84.3 (84.1 - 84.4)</b>	<b>85.0 (84.6 - 85.2)</b>	<b>70.5 (66.9 - 73.6)</b>	<b>71.6 (68.0 - 74.7)</b>	<b>71.9 (68.3 - 75.1)</b>
Australia	83.3 (83.2 - 83.4)	84.5 (84.3 - 84.6)	85.1 (84.8 - 85.4)	70.7 (67.1 - 73.8)	71.7 (68.1 - 74.8)	72.1 (68.3 - 75.2)

New Zealand	82.1 (82.0 - 82.3)	83.3 (83.1 - 83.5)	84.1 (83.6 - 84.5)	69.8 (66.2 - 72.9)	70.9 (67.3 - 73.9)	71.4 (67.8 - 74.5)
<b>High-income Asia Pacific</b>	<b>84.8 (84.6 - 84.9)</b>	<b>85.9 (85.7 - 86.0)</b>	<b>86.7 (86.4 - 87.0)</b>	<b>73.6 (70.3 - 76.4)</b>	<b>74.4 (71.1 - 77.3)</b>	<b>74.9 (71.5 - 77.8)</b>
Brunei	76.6 (75.5 - 77.6)	77.8 (76.7 - 78.8)	79.2 (77.5 - 80.6)	66.9 (63.7 - 69.4)	67.8 (64.7 - 70.5)	68.5 (65.3 - 71.6)
Japan	85.2 (85.0 - 85.3)	85.9 (85.8 - 86.1)	86.7 (86.4 - 87.0)	73.9 (70.6 - 76.7)	74.6 (71.2 - 77.4)	75.0 (71.5 - 77.9)
Singapore	86.0 (85.8 - 86.3)	87.2 (86.9 - 87.6)	88.2 (87.6 - 88.8)	75.2 (71.9 - 77.8)	76.1 (72.9 - 78.8)	76.4 (72.8 - 79.3)
South Korea	83.2 (82.5 - 83.5)	85.2 (84.9 - 85.4)	86.6 (86.1 - 87.0)	72.1 (68.9 - 74.8)	73.7 (70.5 - 76.5)	74.6 (71.2 - 77.6)
<b>High-income North America</b>	<b>78.7 (78.5 - 78.9)</b>	<b>80.1 (79.8 - 80.3)</b>	<b>80.8 (80.3 - 81.3)</b>	<b>65.9 (62.3 - 69.0)</b>	<b>67.0 (63.4 - 70.1)</b>	<b>67.5 (63.9 - 70.6)</b>
Canada	82.6 (82.4 - 82.8)	83.6 (83.4 - 83.8)	84.2 (83.8 - 84.6)	70.6 (67.0 - 73.5)	71.4 (67.9 - 74.3)	71.6 (67.9 - 74.7)
Greenland	74.0 (72.3 - 75.2)	76.6 (74.9 - 77.9)	78.6 (77.0 - 79.9)	63.9 (60.7 - 66.6)	65.9 (62.6 - 68.9)	67.5 (64.1 - 70.6)
USA	78.3 (78.1 - 78.5)	79.6 (79.4 - 79.9)	80.4 (79.8 - 81.0)	65.4 (61.7 - 68.5)	66.5 (62.9 - 69.6)	67.0 (63.3 - 70.1)
<b>Southern Latin America</b>	<b>78.4 (78.1 - 78.7)</b>	<b>79.9 (79.6 - 80.3)</b>	<b>81.1 (80.4 - 81.7)</b>	<b>67.6 (64.4 - 70.2)</b>	<b>68.8 (65.6 - 71.5)</b>	<b>69.4 (66.0 - 72.3)</b>
Argentina	77.6 (77.3 - 78.0)	78.9 (78.5 - 79.2)	80.0 (79.2 - 80.7)	67.2 (64.1 - 69.7)	68.2 (65.1 - 70.8)	68.8 (65.4 - 71.5)
Chile	80.5 (80.2 - 80.8)	82.6 (82.3 - 82.9)	83.7 (83.1 - 84.3)	68.7 (65.3 - 71.7)	70.5 (67.0 - 73.5)	71.0 (67.4 - 74.1)
Uruguay	76.9 (76.5 - 77.3)	78.4 (78.0 - 78.8)	79.7 (79.0 - 80.1)	66.5 (63.5 - 69.1)	67.8 (64.7 - 70.4)	68.5 (65.3 - 71.2)
<b>Western Europe</b>	<b>82.4 (82.3 - 82.5)</b>	<b>83.6 (83.5 - 83.7)</b>	<b>84.4 (84.1 - 84.6)</b>	<b>70.6 (67.1 - 73.5)</b>	<b>71.7 (68.3 - 74.7)</b>	<b>72.3 (68.7 - 75.3)</b>
Andorra	83.8 (81.3 - 86.5)	85.0 (82.4 - 87.8)	85.7 (83.2 - 88.3)	71.7 (68.2 - 75.2)	72.9 (69.4 - 76.4)	73.5 (69.7 - 77.0)
Austria	82.5 (82.3 - 82.8)	84.0 (83.7 - 84.3)	85.1 (84.6 - 85.5)	70.9 (67.5 - 73.8)	72.4 (69.0 - 75.2)	73.3 (69.9 - 76.1)
Belgium	82.2 (82.0 - 82.4)	83.3 (83.1 - 83.6)	84.1 (83.7 - 84.5)	70.3 (66.7 - 73.3)	71.4 (67.9 - 74.3)	71.9 (68.3 - 74.8)
Cyprus	81.5 (80.7 - 82.2)	82.9 (82.1 - 83.6)	84.1 (83.1 - 84.9)	70.6 (67.4 - 73.3)	71.8 (68.7 - 74.5)	72.5 (69.3 - 75.3)
Denmark	81.2 (80.9 - 81.5)	82.8 (82.5 - 83.0)	83.5 (83.2 - 83.8)	70.1 (66.8 - 72.8)	71.5 (68.2 - 74.2)	72.0 (68.6 - 74.8)

Finland	80.8 (80.2 - 81.4)	83.5 (83.2 - 83.8)	84.5 (84.1 - 84.9)	69.4 (66.1 - 72.3)	71.6 (68.1 - 74.5)	72.1 (68.6 - 75.1)
France	83.1 (82.9 - 83.3)	84.4 (84.2 - 84.6)	84.9 (84.6 - 85.1)	71.0 (67.4 - 74.1)	72.2 (68.5 - 75.2)	72.5 (68.6 - 75.5)
Germany	81.5 (81.4 - 81.6)	82.5 (82.3 - 82.6)	83.3 (83.0 - 83.5)	69.8 (66.3 - 72.6)	70.7 (67.3 - 73.6)	71.3 (67.8 - 74.2)
Greece	80.3 (80.0 - 80.6)	82.0 (81.8 - 82.3)	83.0 (82.6 - 83.4)	69.1 (65.8 - 71.8)	70.5 (67.1 - 73.3)	71.1 (67.4 - 73.9)
Iceland	83.3 (82.6 - 83.9)	84.7 (84.0 - 85.4)	85.6 (84.9 - 86.4)	71.8 (68.4 - 74.6)	73.1 (69.8 - 75.9)	73.8 (70.4 - 76.7)
Ireland	83.3 (83.0 - 83.5)	84.8 (84.6 - 85.1)	86.0 (85.6 - 86.3)	71.2 (67.7 - 74.2)	72.8 (69.3 - 75.7)	73.6 (70.0 - 76.5)
Israel	83.6 (82.9 - 83.9)	85.1 (84.3 - 85.5)	85.7 (84.8 - 86.2)	72.1 (68.7 - 74.9)	73.4 (70.0 - 76.3)	73.8 (70.3 - 76.7)
Italy	83.0 (82.8 - 83.2)	84.3 (84.2 - 84.5)	85.1 (84.8 - 85.4)	71.3 (67.7 - 74.1)	72.4 (68.9 - 75.4)	72.9 (69.3 - 75.9)
Luxembourg	83.1 (82.4 - 83.9)	84.0 (83.3 - 84.7)	84.6 (83.9 - 85.3)	71.5 (68.1 - 74.3)	72.4 (69.0 - 75.2)	72.8 (69.4 - 75.7)
Malta	82.3 (81.5 - 83.1)	84.4 (83.7 - 85.2)	85.5 (84.6 - 86.4)	71.0 (67.6 - 73.8)	72.7 (69.2 - 75.6)	73.1 (69.5 - 76.3)
Monaco	80.0 (78.6 - 81.4)	80.9 (79.4 - 82.3)	81.7 (80.2 - 83.1)	69.3 (66.0 - 72.2)	70.1 (66.8 - 73.0)	70.7 (67.4 - 73.6)
Netherlands	82.3 (82.1 - 82.5)	83.0 (82.8 - 83.2)	83.6 (83.4 - 83.8)	70.9 (67.5 - 73.7)	71.7 (68.3 - 74.5)	72.1 (68.7 - 74.9)
Norway	83.0 (82.2 - 83.2)	84.2 (84.0 - 84.3)	84.8 (84.5 - 85.0)	71.1 (67.6 - 74.1)	72.3 (69.0 - 75.2)	72.9 (69.5 - 75.8)
Portugal	82.0 (81.8 - 82.3)	83.8 (83.6 - 84.1)	85.0 (84.6 - 85.4)	70.3 (66.8 - 73.2)	72.0 (68.6 - 74.9)	72.9 (69.3 - 75.8)
San Marino	86.5 (83.7 - 89.1)	88.3 (85.3 - 91.3)	89.0 (86.1 - 91.8)	73.7 (69.9 - 77.4)	75.2 (71.3 - 79.3)	75.6 (71.6 - 79.9)
Spain	83.2 (83.0 - 83.5)	84.6 (84.5 - 84.8)	85.5 (85.1 - 85.8)	71.5 (67.9 - 74.4)	72.8 (69.3 - 75.7)	73.2 (69.6 - 76.3)
Sweden	83.7 (83.0 - 84.3)	84.7 (84.1 - 85.4)	85.4 (84.7 - 86.1)	71.9 (68.3 - 74.9)	72.9 (69.4 - 75.8)	73.3 (69.7 - 76.2)
Switzerland	85.0 (84.8 - 85.2)	85.8 (85.6 - 86.1)	86.4 (86.0 - 86.7)	72.4 (68.7 - 75.5)	73.3 (69.7 - 76.4)	73.7 (70.1 - 76.7)
UK	81.7 (81.6 - 81.9)	82.7 (82.5 - 82.9)	83.6 (83.2 - 83.9)	69.9 (66.4 - 72.8)	70.9 (67.5 - 73.9)	71.5 (68.0 - 74.4)
<b>Latin America and Caribbean</b>	<b>75.6 (74.5 - 76.4)</b>	<b>77.6 (76.0 - 78.8)</b>	<b>79.6 (77.1 - 81.5)</b>	<b>64.9 (61.5 - 67.7)</b>	<b>66.5 (63.1 - 69.4)</b>	<b>67.5 (63.7 - 71.1)</b>



<b>Andean Latin America</b>	<b>76.0 (74.1 - 77.8)</b>	<b>79.2 (77.3 - 81.0)</b>	<b>80.8 (78.3 - 83.1)</b>	<b>66.2 (63.0 - 69.2)</b>	<b>68.9 (65.4 - 71.9)</b>	<b>69.7 (66.1 - 73.0)</b>
Bolivia	68.7 (65.7 - 71.4)	74.4 (71.3 - 76.8)	76.4 (73.0 - 79.4)	60.2 (57.0 - 63.4)	64.8 (61.3 - 68.1)	66.0 (62.2 - 69.6)
Ecuador	77.1 (74.9 - 79.1)	79.0 (76.8 - 81.1)	80.4 (77.9 - 82.9)	66.9 (63.6 - 70.1)	68.4 (65.1 - 71.7)	68.8 (65.1 - 72.5)
Peru	78.2 (75.9 - 80.4)	80.9 (78.4 - 83.2)	82.5 (79.8 - 85.2)	68.1 (64.9 - 71.3)	70.5 (67.0 - 73.7)	71.5 (67.8 - 74.9)
<b>Caribbean</b>	<b>72.2 (60.3 - 74.6)</b>	<b>74.2 (71.3 - 76.4)</b>	<b>76.5 (63.6 - 79.8)</b>	<b>62.3 (52.1 - 65.9)</b>	<b>64.0 (59.1 - 67.4)</b>	<b>65.2 (54.2 - 69.5)</b>
Antigua and Barbuda	76.3 (75.9 - 76.6)	77.4 (76.7 - 78.0)	78.8 (76.9 - 80.1)	66.1 (63.0 - 68.8)	67.0 (63.7 - 69.6)	67.5 (63.9 - 70.6)
The Bahamas	73.8 (70.9 - 76.3)	75.3 (72.4 - 78.0)	76.8 (73.6 - 79.5)	64.2 (61.0 - 67.6)	65.3 (61.8 - 68.9)	66.1 (62.5 - 69.9)
Barbados	75.6 (73.1 - 77.8)	77.8 (75.3 - 80.2)	79.0 (76.2 - 81.5)	65.7 (62.0 - 69.0)	67.5 (63.7 - 70.8)	67.9 (64.1 - 71.5)
Belize	74.3 (71.5 - 76.0)	76.6 (75.0 - 78.3)	78.5 (75.4 - 81.1)	64.5 (61.0 - 67.3)	66.3 (63.1 - 69.4)	67.4 (63.2 - 71.2)
Bermuda	81.2 (79.2 - 82.6)	83.4 (81.4 - 84.8)	84.8 (82.8 - 86.2)	70.5 (67.3 - 73.5)	72.3 (68.8 - 75.3)	72.9 (69.2 - 76.0)
Cuba	78.6 (77.4 - 79.8)	79.5 (78.2 - 80.8)	80.9 (79.2 - 82.5)	68.4 (65.5 - 71.2)	69.1 (66.0 - 71.8)	69.7 (66.3 - 72.8)
Dominica	71.1 (68.7 - 73.2)	73.3 (70.7 - 75.3)	75.1 (72.1 - 77.5)	61.8 (58.5 - 64.7)	63.6 (60.3 - 66.7)	64.6 (60.7 - 68.1)
Dominican Republic	75.4 (73.1 - 77.6)	76.9 (74.4 - 79.1)	79.4 (75.9 - 82.3)	65.2 (61.9 - 68.6)	66.4 (63.1 - 69.9)	67.6 (63.9 - 71.7)
Grenada	72.7 (71.4 - 74.0)	74.2 (72.6 - 75.8)	75.9 (73.4 - 77.9)	63.2 (60.2 - 65.8)	64.3 (61.5 - 67.1)	65.1 (61.5 - 68.4)
Guyana	67.4 (63.5 - 70.5)	71.2 (67.8 - 74.5)	74.3 (70.4 - 78.1)	57.9 (53.9 - 61.6)	60.6 (56.8 - 64.6)	62.6 (58.2 - 67.0)
Haiti	62.6 (38.4 - 67.0)	65.6 (59.0 - 69.8)	70.1 (44.7 - 75.8)	54.0 (33.6 - 58.6)	56.5 (50.8 - 61.1)	59.8 (39.0 - 65.7)
Jamaica	75.7 (72.6 - 78.7)	77.6 (74.3 - 80.7)	79.3 (75.8 - 82.5)	65.9 (62.4 - 69.5)	67.5 (63.8 - 71.3)	68.5 (64.4 - 72.4)
Puerto Rico	80.6 (78.8 - 82.5)	82.9 (81.0 - 84.8)	84.2 (82.0 - 86.3)	69.2 (65.5 - 72.5)	71.2 (67.6 - 74.7)	72.1 (68.1 - 75.8)
Saint Kitts and Nevis	73.0 (71.1 - 74.8)	75.1 (73.3 - 77.0)	77.5 (75.0 - 79.5)	63.5 (60.4 - 66.2)	65.1 (61.8 - 68.0)	66.5 (62.8 - 69.9)
Saint Lucia	74.6 (72.1 - 77.1)	77.2 (74.7 - 79.4)	79.2 (76.1 - 81.8)	64.5 (60.8 - 67.6)	66.4 (62.7 - 69.8)	67.4 (63.2 - 71.2)

Saint Vincent and the Grenadines	72.5 (70.8 - 74.0)	74.5 (72.8 - 76.1)	76.3 (73.8 - 78.2)	62.9 (60.0 - 65.8)	64.4 (61.2 - 67.3)	65.2 (61.6 - 68.7)
Suriname	72.9 (69.8 - 76.0)	75.4 (72.3 - 78.5)	78.0 (73.4 - 82.2)	62.7 (59.2 - 66.4)	64.7 (60.9 - 68.7)	66.3 (61.6 - 70.8)
Trinidad and Tobago	72.6 (69.5 - 75.5)	76.5 (73.5 - 79.5)	79.1 (75.8 - 82.4)	62.8 (59.2 - 66.3)	65.7 (61.9 - 69.4)	67.2 (63.0 - 71.2)
Virgin Islands	76.0 (72.7 - 78.7)	79.7 (77.4 - 81.8)	81.5 (79.2 - 83.5)	65.5 (61.6 - 68.9)	68.4 (64.7 - 71.8)	69.3 (65.4 - 73.0)
<b>Central Latin America</b>	<b>75.3 (74.0 - 76.6)</b>	<b>77.2 (74.9 - 78.9)</b>	<b>79.3 (76.3 - 81.8)</b>	<b>65.0 (61.8 - 67.9)</b>	<b>66.4 (62.8 - 69.5)</b>	<b>67.4 (63.3 - 71.3)</b>
Colombia	79.9 (77.8 - 81.7)	82.2 (80.3 - 84.1)	84.4 (81.8 - 86.5)	68.9 (65.7 - 72.0)	70.7 (67.3 - 74.0)	71.8 (68.1 - 75.5)
Costa Rica	79.8 (78.6 - 81.0)	81.4 (80.2 - 82.7)	83.2 (81.3 - 84.9)	68.4 (65.1 - 71.6)	69.7 (66.3 - 73.0)	70.7 (66.9 - 74.3)
El Salvador	74.8 (72.4 - 77.1)	76.8 (74.3 - 79.3)	78.4 (75.2 - 81.3)	64.5 (60.9 - 67.8)	66.0 (62.3 - 69.5)	66.8 (62.8 - 70.7)
Guatemala	73.5 (71.7 - 75.2)	75.7 (73.9 - 77.6)	78.7 (75.9 - 81.1)	62.8 (59.5 - 66.0)	64.6 (61.3 - 68.1)	66.2 (62.4 - 70.3)
Honduras	71.4 (67.7 - 73.3)	73.5 (69.5 - 75.5)	76.0 (71.9 - 78.6)	62.0 (58.4 - 65.1)	63.8 (59.8 - 66.9)	65.3 (61.1 - 69.0)
Mexico	74.4 (73.1 - 75.6)	76.6 (75.2 - 78.0)	78.4 (76.2 - 80.4)	64.2 (61.0 - 67.1)	65.7 (62.5 - 68.7)	66.4 (62.7 - 69.9)
Nicaragua	79.6 (77.1 - 81.2)	80.3 (78.0 - 82.0)	81.4 (78.2 - 84.3)	68.1 (64.5 - 71.6)	68.5 (65.0 - 72.0)	68.8 (64.7 - 73.1)
Panama	79.5 (77.3 - 81.7)	81.6 (79.3 - 83.8)	83.5 (81.0 - 86.1)	68.3 (64.9 - 71.6)	69.8 (66.2 - 73.3)	70.6 (66.5 - 74.4)
Venezuela	72.1 (67.7 - 75.4)	71.7 (62.3 - 77.9)	73.9 (61.8 - 81.7)	62.9 (58.6 - 66.5)	62.8 (54.7 - 68.8)	64.3 (53.8 - 71.7)
<b>Tropical Latin America</b>	<b>76.6 (76.2 - 76.9)</b>	<b>78.3 (77.6 - 78.9)</b>	<b>80.3 (78.1 - 81.5)</b>	<b>65.0 (61.6 - 67.9)</b>	<b>66.4 (62.9 - 69.3)</b>	<b>67.4 (63.6 - 70.8)</b>
Brazil	76.6 (76.3 - 76.9)	78.4 (77.7 - 78.9)	80.3 (78.2 - 81.5)	65.0 (61.5 - 67.9)	66.4 (62.9 - 69.3)	67.4 (63.6 - 70.8)
Paraguay	75.3 (72.6 - 77.7)	77.0 (74.0 - 79.4)	79.0 (75.5 - 82.0)	64.9 (61.3 - 68.3)	66.1 (62.3 - 69.5)	67.2 (63.0 - 71.0)
<b>North Africa and Middle East</b>	<b>73.7 (72.4 - 75.0)</b>	<b>75.6 (73.9 - 77.1)</b>	<b>78.1 (75.0 - 80.6)</b>	<b>63.4 (60.3 - 66.2)</b>	<b>64.8 (61.7 - 68.0)</b>	<b>65.9 (61.8 - 69.8)</b>
<b>North Africa and Middle East</b>	<b>73.7 (72.4 - 75.0)</b>	<b>75.6 (73.9 - 77.1)</b>	<b>78.1 (75.0 - 80.6)</b>	<b>63.4 (60.3 - 66.2)</b>	<b>64.8 (61.7 - 68.0)</b>	<b>65.9 (61.8 - 69.8)</b>
Afghanistan	62.9 (60.4 - 65.8)	66.4 (63.4 - 69.3)	72.1 (67.7 - 76.7)	53.6 (50.3 - 57.0)	56.4 (52.8 - 59.8)	60.4 (55.5 - 65.3)

Algeria	77.3 (75.9 - 78.6)	78.8 (77.1 - 80.3)	81.3 (78.5 - 83.8)	66.6 (63.4 - 69.5)	67.6 (64.2 - 70.7)	68.6 (64.5 - 72.5)
Bahrain	76.0 (74.9 - 77.1)	77.6 (76.3 - 78.8)	79.3 (77.0 - 81.0)	65.6 (62.5 - 68.3)	66.8 (63.9 - 69.7)	67.4 (63.9 - 70.7)
Egypt	70.5 (68.8 - 72.2)	72.0 (70.1 - 73.8)	74.2 (71.1 - 77.0)	61.7 (58.7 - 64.4)	62.7 (59.5 - 65.6)	63.4 (59.8 - 67.2)
Iran	78.9 (77.7 - 79.3)	80.6 (79.4 - 81.6)	83.0 (80.0 - 85.1)	67.2 (63.6 - 70.0)	68.5 (65.1 - 71.6)	69.4 (65.0 - 73.6)
Iraq	71.7 (68.7 - 74.6)	73.9 (70.7 - 76.8)	77.6 (73.4 - 81.2)	61.4 (57.8 - 64.7)	63.2 (59.5 - 66.8)	65.4 (60.8 - 69.7)
Jordan	79.4 (77.5 - 81.1)	82.0 (79.9 - 83.8)	84.4 (81.5 - 87.0)	67.9 (64.6 - 71.1)	69.8 (66.3 - 73.2)	70.8 (66.7 - 74.7)
Kuwait	82.7 (81.1 - 84.2)	83.7 (82.2 - 85.2)	85.4 (82.7 - 87.2)	70.2 (66.6 - 73.4)	70.8 (67.0 - 74.1)	71.2 (66.9 - 75.2)
Lebanon	78.3 (76.7 - 79.8)	80.8 (79.3 - 82.3)	82.1 (79.7 - 84.0)	66.6 (63.2 - 69.8)	68.5 (65.1 - 71.9)	68.8 (64.9 - 72.7)
Libya	71.7 (68.7 - 74.3)	74.2 (70.6 - 77.2)	75.6 (71.2 - 79.6)	61.7 (58.0 - 65.2)	63.5 (59.7 - 67.2)	63.8 (59.3 - 68.4)
Morocco	73.2 (71.1 - 75.4)	75.6 (73.4 - 78.1)	78.3 (74.3 - 82.1)	63.0 (59.5 - 66.3)	64.7 (61.3 - 68.2)	65.8 (61.3 - 70.5)
Oman	76.8 (75.0 - 78.4)	77.6 (75.7 - 79.7)	79.3 (75.8 - 82.6)	66.4 (63.5 - 69.6)	66.9 (63.6 - 70.3)	67.2 (62.9 - 71.6)
Palestine	74.2 (71.0 - 76.0)	76.6 (73.4 - 78.5)	78.5 (74.8 - 81.0)	63.8 (60.3 - 67.0)	65.7 (61.7 - 68.9)	66.6 (62.7 - 70.5)
Qatar	78.6 (76.7 - 80.3)	79.7 (77.8 - 81.4)	81.1 (78.9 - 83.3)	67.5 (64.4 - 70.6)	68.4 (65.2 - 71.5)	69.0 (65.5 - 72.4)
Saudi Arabia	74.1 (72.1 - 76.0)	74.8 (72.5 - 76.8)	76.5 (72.5 - 79.5)	63.8 (60.9 - 66.7)	64.2 (61.0 - 67.3)	64.7 (60.7 - 68.7)
Sudan	69.6 (66.5 - 72.4)	72.7 (69.0 - 76.0)	75.3 (66.9 - 81.0)	60.3 (56.7 - 63.7)	62.7 (58.6 - 66.8)	64.0 (56.7 - 69.9)
Syria	70.9 (64.1 - 76.1)	72.0 (65.1 - 77.3)	74.2 (66.2 - 80.4)	61.0 (54.5 - 66.6)	61.6 (55.6 - 67.4)	61.2 (53.5 - 68.0)
Tunisia	76.5 (73.9 - 79.0)	79.4 (76.6 - 81.9)	81.6 (78.1 - 84.7)	65.7 (62.2 - 69.1)	67.8 (64.0 - 71.4)	68.7 (64.4 - 72.9)
Türkiye	77.5 (76.0 - 79.1)	79.4 (77.8 - 81.0)	81.4 (79.4 - 83.3)	67.0 (64.0 - 70.0)	68.4 (65.3 - 71.5)	69.3 (65.9 - 72.7)
United Arab Emirates	76.1 (74.9 - 77.4)	77.8 (76.5 - 79.3)	79.7 (77.4 - 81.7)	65.8 (62.6 - 68.5)	67.2 (64.2 - 70.0)	67.9 (64.4 - 71.5)
Yemen	68.2 (63.9 - 71.6)	70.8 (66.7 - 74.2)	74.9 (69.4 - 80.0)	58.5 (53.4 - 62.6)	60.5 (56.0 - 64.6)	63.3 (58.0 - 68.7)

<b>South Asia</b>	<b>71.1 (70.1 - 72.0)</b>	<b>73.7 (72.0 - 75.3)</b>	<b>77.8 (74.1 - 81.1)</b>	<b>60.9 (58.1 - 63.6)</b>	<b>63.0 (59.8 - 66.0)</b>	<b>65.6 (61.4 - 70.0)</b>
<b>South Asia</b>	<b>71.1 (70.1 - 72.0)</b>	<b>73.7 (72.0 - 75.3)</b>	<b>77.8 (74.1 - 81.1)</b>	<b>60.9 (58.1 - 63.6)</b>	<b>63.0 (59.8 - 66.0)</b>	<b>65.6 (61.4 - 70.0)</b>
Bangladesh	74.3 (71.6 - 76.6)	76.8 (73.9 - 79.2)	80.4 (76.1 - 83.8)	64.1 (61.1 - 67.1)	65.9 (62.6 - 69.1)	67.8 (63.6 - 72.0)
Bhutan	72.7 (70.2 - 75.1)	76.0 (73.3 - 78.4)	79.6 (75.5 - 83.0)	63.2 (60.4 - 66.2)	65.5 (62.3 - 68.5)	67.6 (63.4 - 71.9)
India	71.3 (70.3 - 72.3)	73.8 (72.1 - 75.4)	78.0 (74.0 - 81.4)	61.1 (58.2 - 63.8)	63.0 (59.9 - 66.2)	65.7 (61.6 - 70.2)
Nepal	71.8 (69.4 - 73.9)	74.8 (72.3 - 77.0)	79.1 (75.0 - 82.6)	61.7 (58.9 - 64.5)	64.1 (60.9 - 67.2)	66.8 (62.7 - 71.0)
Pakistan	67.9 (65.8 - 69.8)	71.0 (68.4 - 73.3)	75.4 (70.9 - 79.1)	58.4 (55.4 - 61.5)	60.9 (57.4 - 64.4)	63.6 (58.8 - 68.0)
<b>Southeast Asia, East Asia, and Oceania</b>	<b>76.1 (74.8 - 77.3)</b>	<b>77.8 (76.4 - 79.0)</b>	<b>79.8 (77.8 - 81.6)</b>	<b>67.1 (64.5 - 69.4)</b>	<b>68.3 (65.5 - 70.9)</b>	<b>69.3 (66.0 - 72.4)</b>
<b>East Asia</b>	<b>77.9 (76.3 - 79.5)</b>	<b>79.5 (77.9 - 81.0)</b>	<b>81.5 (79.4 - 83.3)</b>	<b>68.8 (66.0 - 71.3)</b>	<b>69.9 (67.0 - 72.5)</b>	<b>70.9 (67.5 - 73.9)</b>
China	77.9 (76.3 - 79.5)	79.5 (77.9 - 81.1)	81.6 (79.4 - 83.4)	68.9 (66.0 - 71.3)	69.9 (67.0 - 72.5)	70.9 (67.5 - 74.0)
North Korea	73.3 (70.8 - 75.6)	74.6 (71.8 - 76.9)	77.0 (73.0 - 80.0)	65.3 (62.7 - 68.0)	66.3 (63.5 - 69.2)	68.2 (64.4 - 71.6)
Taiwan (Province of China)	81.2 (80.5 - 81.9)	82.3 (81.8 - 83.0)	83.2 (82.4 - 84.0)	70.8 (67.7 - 73.4)	71.6 (68.5 - 74.2)	71.8 (68.5 - 74.5)
<b>Oceania</b>	<b>66.2 (63.2 - 68.4)</b>	<b>68.5 (65.7 - 70.8)</b>	<b>72.6 (68.2 - 76.3)</b>	<b>58.0 (54.9 - 60.6)</b>	<b>60.0 (56.9 - 62.8)</b>	<b>62.9 (58.7 - 66.8)</b>
American Samoa	71.0 (68.7 - 72.9)	71.6 (69.3 - 73.7)	73.6 (70.5 - 76.3)	61.4 (58.3 - 64.3)	62.1 (58.7 - 65.1)	63.2 (59.4 - 66.8)
Cook Islands	76.3 (74.2 - 78.1)	77.4 (75.4 - 79.4)	79.1 (76.3 - 81.6)	66.1 (62.8 - 69.0)	66.8 (63.4 - 69.9)	67.2 (63.4 - 71.0)
Federated States of Micronesia	67.1 (63.7 - 70.0)	67.9 (64.6 - 70.9)	69.5 (65.2 - 73.3)	59.2 (55.9 - 62.5)	59.6 (56.1 - 63.1)	60.3 (56.1 - 64.4)
Fiji	68.1 (65.1 - 71.1)	69.8 (66.6 - 72.9)	72.8 (68.6 - 76.6)	59.7 (56.4 - 62.8)	61.0 (57.5 - 64.5)	62.9 (58.6 - 67.0)
Guam	78.6 (76.1 - 80.3)	82.5 (80.8 - 84.1)	84.6 (81.8 - 87.0)	68.3 (64.8 - 71.6)	71.5 (67.8 - 74.7)	72.8 (68.5 - 76.7)
Kiribati	64.2 (60.9 - 67.0)	65.9 (62.7 - 68.8)	69.3 (65.0 - 73.2)	56.4 (53.1 - 59.6)	57.7 (54.3 - 60.8)	59.8 (55.5 - 64.0)
Marshall Islands	65.2 (61.8 - 68.1)	66.2 (62.5 - 69.6)	68.7 (63.6 - 73.2)	57.2 (53.7 - 60.4)	57.8 (54.0 - 61.4)	59.2 (54.3 - 63.8)

Nauru	62.5 (58.9 - 65.7)	63.6 (59.9 - 67.2)	66.4 (60.6 - 71.1)	55.3 (51.8 - 58.5)	56.0 (52.3 - 59.6)	57.7 (52.5 - 62.5)
Niue	67.8 (65.6 - 69.6)	69.0 (66.7 - 71.1)	71.7 (68.5 - 74.4)	59.4 (56.6 - 62.2)	60.2 (57.1 - 63.0)	61.7 (57.8 - 65.3)
Northern Mariana Islands	73.5 (73.0 - 75.0)	74.2 (73.3 - 75.7)	75.5 (73.0 - 77.5)	64.6 (62.0 - 66.9)	65.1 (62.5 - 67.6)	65.7 (62.5 - 68.7)
Palau	68.7 (66.2 - 71.0)	69.6 (66.9 - 72.0)	71.7 (67.9 - 74.4)	60.3 (57.5 - 62.9)	60.7 (57.8 - 63.7)	61.9 (58.2 - 65.2)
Papua New Guinea	65.9 (62.6 - 68.5)	68.3 (65.1 - 71.0)	72.6 (68.0 - 76.5)	57.6 (54.2 - 60.4)	59.8 (56.5 - 62.9)	62.9 (58.7 - 67.1)
Samoa	69.8 (67.2 - 71.9)	70.9 (68.1 - 73.0)	72.9 (69.2 - 76.1)	61.2 (58.1 - 64.2)	62.0 (58.4 - 65.1)	62.9 (59.1 - 66.8)
Solomon Islands	65.9 (61.9 - 68.8)	66.5 (62.4 - 69.5)	69.2 (64.2 - 73.4)	58.3 (54.7 - 61.4)	58.7 (54.6 - 62.0)	60.4 (55.9 - 64.9)
Tokelau	68.7 (66.4 - 70.7)	70.3 (68.0 - 72.6)	73.8 (70.0 - 76.9)	60.1 (57.2 - 62.8)	61.1 (57.9 - 64.3)	63.0 (58.8 - 67.0)
Tonga	73.2 (70.5 - 75.5)	74.3 (71.6 - 76.8)	76.4 (73.1 - 79.2)	64.2 (60.8 - 67.4)	64.8 (61.3 - 68.2)	65.7 (61.6 - 69.5)
Tuvalu	68.2 (66.0 - 70.1)	69.4 (67.2 - 71.4)	71.7 (67.3 - 75.1)	60.3 (57.7 - 62.8)	61.1 (58.3 - 63.8)	62.2 (58.3 - 65.9)
Vanuatu	65.4 (62.6 - 67.6)	68.8 (66.5 - 71.1)	71.9 (68.0 - 75.5)	57.9 (55.0 - 60.6)	60.6 (57.8 - 63.7)	62.6 (58.7 - 66.7)
<b>Southeast Asia</b>	<b>72.8 (71.6 - 74.1)</b>	<b>74.8 (73.4 - 76.0)</b>	<b>77.6 (75.2 - 79.6)</b>	<b>64.0 (61.4 - 66.5)</b>	<b>65.6 (62.8 - 68.0)</b>	<b>67.4 (64.0 - 70.5)</b>
Cambodia	69.7 (66.8 - 72.5)	71.8 (69.0 - 74.5)	74.9 (71.8 - 78.0)	61.1 (57.7 - 64.2)	62.8 (59.3 - 66.0)	65.0 (61.1 - 68.9)
Indonesia	71.4 (69.4 - 73.2)	73.6 (71.7 - 75.6)	77.1 (74.6 - 79.7)	63.1 (60.3 - 65.8)	64.9 (62.0 - 67.7)	67.3 (63.9 - 70.5)
Laos	68.1 (65.2 - 70.9)	71.9 (68.8 - 74.7)	76.0 (72.4 - 79.1)	60.3 (57.4 - 63.3)	63.4 (60.5 - 66.4)	66.2 (62.6 - 69.7)
Malaysia	74.7 (74.4 - 74.9)	76.4 (75.7 - 77.0)	78.9 (77.1 - 80.3)	65.3 (62.5 - 67.7)	66.6 (63.7 - 68.9)	68.0 (64.6 - 71.0)
Maldives	80.8 (79.2 - 82.5)	82.9 (81.0 - 84.6)	85.2 (82.4 - 87.7)	70.4 (67.6 - 73.3)	71.9 (68.9 - 74.9)	72.8 (69.0 - 76.4)
Mauritius	74.9 (74.7 - 75.8)	76.5 (75.7 - 77.4)	79.3 (77.4 - 81.0)	64.8 (61.9 - 67.5)	65.9 (62.9 - 68.6)	67.6 (64.2 - 70.9)
Myanmar	69.5 (66.2 - 71.9)	71.5 (67.8 - 73.8)	75.2 (70.9 - 78.2)	61.1 (57.9 - 63.9)	62.7 (59.5 - 65.7)	65.3 (61.3 - 69.0)
Philippines	72.0 (70.4 - 73.6)	73.8 (72.2 - 75.5)	76.8 (74.7 - 79.0)	63.0 (60.3 - 65.6)	64.5 (61.6 - 67.3)	66.6 (63.1 - 69.8)

Seychelles	74.1 (73.0 - 75.1)	76.0 (74.9 - 77.1)	77.7 (75.8 - 79.3)	64.5 (61.5 - 67.2)	66.2 (63.2 - 68.8)	66.5 (63.1 - 69.7)
Sri Lanka	77.9 (73.6 - 81.7)	79.1 (74.9 - 83.0)	81.5 (77.4 - 85.2)	67.2 (63.2 - 71.3)	68.2 (64.0 - 72.1)	69.5 (65.5 - 73.7)
Thailand	77.4 (74.7 - 80.0)	79.5 (76.7 - 82.2)	81.6 (78.6 - 84.7)	67.3 (64.1 - 70.6)	68.9 (65.4 - 72.4)	69.9 (66.2 - 73.7)
Timor-Leste	70.5 (68.1 - 72.8)	72.9 (70.2 - 75.3)	76.8 (72.9 - 80.0)	61.6 (58.8 - 64.5)	63.6 (60.6 - 66.6)	66.3 (62.5 - 70.0)
Viet Nam	74.5 (72.8 - 76.5)	75.7 (73.9 - 77.6)	76.9 (74.1 - 79.1)	66.0 (63.4 - 68.5)	66.8 (64.2 - 69.6)	67.4 (64.3 - 70.5)
<b>Sub-Saharan Africa</b>	<b>64.4 (62.6 - 66.0)</b>	<b>68.4 (66.3 - 70.2)</b>	<b>73.6 (69.4 - 76.2)</b>	<b>55.8 (53.1 - 58.4)</b>	<b>59.3 (56.2 - 62.2)</b>	<b>63.2 (59.4 - 67.0)</b>
<b>Central sub-Saharan Africa</b>	<b>63.6 (60.9 - 65.9)</b>	<b>67.3 (63.8 - 70.0)</b>	<b>72.2 (67.3 - 75.6)</b>	<b>54.9 (52.0 - 58.0)</b>	<b>58.1 (54.8 - 61.3)</b>	<b>61.8 (57.4 - 65.7)</b>
Angola	64.4 (61.2 - 67.5)	67.7 (63.8 - 70.8)	73.1 (68.9 - 76.4)	55.6 (52.6 - 58.9)	58.4 (55.0 - 61.8)	62.2 (57.5 - 66.0)
Central African Republic	52.3 (45.3 - 56.8)	58.4 (53.4 - 62.8)	64.8 (58.1 - 70.2)	45.5 (39.6 - 49.7)	50.5 (45.9 - 54.7)	55.4 (49.5 - 60.9)
Congo (Brazzaville)	64.2 (60.8 - 67.0)	67.1 (63.7 - 70.2)	71.0 (66.7 - 74.6)	55.7 (52.5 - 58.8)	58.2 (54.4 - 61.5)	61.0 (56.5 - 65.0)
DR Congo	64.1 (61.3 - 66.9)	67.7 (63.6 - 70.8)	72.4 (67.3 - 76.1)	55.3 (52.4 - 58.6)	58.5 (54.6 - 61.9)	62.1 (57.5 - 66.2)
Equatorial Guinea	64.7 (59.5 - 68.9)	67.9 (63.0 - 72.2)	72.4 (66.5 - 76.7)	55.8 (51.4 - 60.0)	58.4 (53.5 - 62.8)	61.6 (56.1 - 66.5)
Gabon	66.6 (62.9 - 69.8)	69.2 (65.5 - 72.5)	72.9 (69.2 - 76.4)	57.5 (53.9 - 61.0)	59.7 (55.7 - 63.3)	62.1 (58.0 - 66.2)
<b>Eastern sub-Saharan Africa</b>	<b>65.0 (63.2 - 66.5)</b>	<b>69.3 (67.4 - 71.0)</b>	<b>74.4 (71.0 - 76.7)</b>	<b>56.6 (53.8 - 59.1)</b>	<b>60.3 (57.3 - 63.1)</b>	<b>64.2 (60.4 - 67.7)</b>
Burundi	61.8 (57.7 - 64.6)	68.2 (64.6 - 71.2)	73.4 (69.0 - 76.8)	54.3 (50.6 - 57.3)	59.5 (55.9 - 62.8)	63.6 (59.4 - 67.4)
Comoros	68.7 (66.0 - 71.0)	71.0 (68.2 - 73.5)	74.6 (70.9 - 77.7)	59.9 (57.1 - 62.8)	62.0 (59.0 - 65.1)	64.4 (60.5 - 68.1)
Djibouti	67.7 (63.5 - 71.0)	70.6 (66.7 - 74.0)	74.7 (70.2 - 78.2)	59.5 (55.6 - 63.1)	61.9 (58.0 - 65.7)	64.8 (60.5 - 69.2)
Eritrea	63.2 (59.0 - 66.8)	66.8 (63.2 - 70.2)	71.6 (67.1 - 75.1)	55.2 (51.2 - 58.7)	58.1 (54.3 - 61.9)	61.9 (57.4 - 66.0)
Ethiopia	68.4 (66.8 - 70.0)	72.3 (70.3 - 74.0)	77.1 (74.2 - 79.4)	59.3 (56.5 - 62.3)	62.6 (59.5 - 65.6)	66.0 (62.2 - 69.6)
Kenya	67.9 (66.4 - 69.5)	71.5 (69.7 - 73.0)	75.5 (72.8 - 77.9)	59.2 (56.5 - 61.7)	62.3 (59.5 - 65.0)	65.4 (62.1 - 68.7)

Madagascar	62.2 (59.3 - 65.2)	68.0 (64.8 - 70.8)	72.8 (68.9 - 76.3)	54.7 (51.8 - 57.8)	59.6 (56.3 - 63.0)	63.3 (59.4 - 67.3)
Malawi	62.0 (59.4 - 64.3)	67.2 (64.6 - 69.9)	72.8 (68.8 - 76.0)	54.4 (51.7 - 57.1)	59.0 (55.9 - 62.0)	63.6 (59.6 - 67.5)
Mozambique	59.9 (57.4 - 62.6)	65.9 (62.6 - 69.0)	72.5 (68.1 - 76.1)	51.3 (48.3 - 54.2)	56.7 (53.4 - 60.0)	61.9 (57.5 - 65.7)
Rwanda	68.2 (65.5 - 71.0)	71.5 (68.4 - 74.3)	76.2 (72.6 - 79.0)	59.3 (56.6 - 62.4)	62.2 (59.1 - 65.4)	65.8 (62.3 - 69.3)
Somalia	57.5 (53.1 - 61.5)	60.4 (55.6 - 64.5)	65.9 (58.3 - 71.3)	50.5 (46.6 - 54.1)	53.0 (48.3 - 57.0)	57.5 (50.9 - 63.1)
South Sudan	57.5 (52.4 - 61.9)	62.0 (55.6 - 67.3)	69.2 (61.0 - 74.7)	49.6 (45.0 - 53.9)	53.5 (46.7 - 58.5)	59.4 (52.4 - 65.0)
Tanzania	67.5 (65.1 - 69.6)	70.8 (68.1 - 73.1)	75.6 (72.2 - 78.1)	58.8 (55.8 - 61.7)	61.5 (58.4 - 64.5)	65.1 (61.3 - 68.5)
Uganda	65.5 (62.2 - 67.7)	70.3 (67.1 - 72.7)	75.7 (72.1 - 78.2)	56.9 (53.8 - 59.7)	61.0 (57.4 - 64.1)	65.4 (61.7 - 68.6)
Zambia	62.9 (59.0 - 66.3)	67.4 (63.7 - 71.1)	72.1 (68.2 - 75.9)	54.7 (50.9 - 58.1)	58.7 (54.7 - 62.3)	62.4 (58.3 - 66.5)
<b>Southern sub-Saharan Africa</b>	<b>63.0 (61.7 - 64.2)</b>	<b>67.4 (66.0 - 68.7)</b>	<b>71.9 (69.6 - 73.7)</b>	<b>54.1 (51.5 - 56.6)</b>	<b>57.7 (54.9 - 60.5)</b>	<b>61.4 (58.1 - 64.7)</b>
Botswana	63.5 (61.0 - 65.9)	70.1 (67.7 - 72.2)	75.4 (72.5 - 77.8)	54.9 (52.1 - 57.9)	60.4 (57.2 - 63.5)	64.6 (60.8 - 68.0)
Eswatini	56.6 (52.3 - 59.9)	62.9 (58.6 - 67.0)	68.6 (64.0 - 73.1)	49.3 (45.4 - 52.8)	54.6 (50.6 - 58.6)	59.2 (54.9 - 63.5)
Lesotho	53.0 (50.4 - 55.5)	58.3 (55.4 - 61.3)	65.2 (61.2 - 68.6)	45.9 (43.3 - 48.8)	50.7 (47.8 - 53.7)	56.8 (53.2 - 60.3)
Namibia	63.8 (60.3 - 66.7)	68.8 (65.0 - 72.2)	73.4 (69.3 - 77.0)	55.8 (52.4 - 59.0)	60.0 (56.2 - 63.6)	63.5 (59.2 - 67.7)
South Africa	64.5 (63.6 - 65.4)	68.3 (67.4 - 69.3)	72.5 (70.8 - 73.9)	55.1 (52.3 - 57.5)	58.2 (55.3 - 60.7)	61.5 (58.2 - 64.6)
Zimbabwe	58.8 (55.7 - 61.5)	63.5 (60.0 - 66.8)	68.4 (64.2 - 71.9)	51.6 (48.5 - 54.6)	55.9 (52.2 - 59.2)	60.0 (55.9 - 63.8)
<b>Western sub-Saharan Africa</b>	<b>64.8 (62.8 - 66.6)</b>	<b>68.3 (65.6 - 70.6)</b>	<b>73.7 (69.2 - 76.9)</b>	<b>56.2 (53.3 - 58.9)</b>	<b>59.3 (56.1 - 62.7)</b>	<b>63.3 (59.0 - 67.3)</b>
Benin	65.7 (63.2 - 68.0)	68.5 (63.5 - 71.7)	73.1 (62.6 - 77.4)	57.1 (54.1 - 60.0)	59.4 (55.0 - 63.0)	62.5 (53.2 - 67.4)
Burkina Faso	62.6 (59.9 - 65.0)	66.1 (60.7 - 69.6)	71.5 (62.5 - 76.0)	54.8 (51.7 - 57.6)	57.9 (52.7 - 61.7)	62.0 (53.9 - 66.9)
Cabo Verde	73.8 (71.7 - 76.0)	75.8 (73.6 - 78.1)	78.2 (75.8 - 80.6)	64.4 (61.1 - 67.4)	66.0 (62.7 - 69.1)	67.2 (63.6 - 70.6)

Cameroon	65.0 (61.5 - 67.9)	68.3 (63.9 - 72.0)	72.6 (67.8 - 76.5)	56.6 (53.0 - 60.0)	59.5 (55.3 - 63.8)	62.7 (57.2 - 67.1)
Chad	60.6 (56.4 - 64.5)	64.2 (59.9 - 68.3)	71.6 (66.5 - 75.9)	52.7 (48.8 - 56.4)	55.9 (51.7 - 59.9)	61.6 (56.6 - 66.5)
Côte d'Ivoire	65.1 (61.7 - 67.8)	69.1 (63.9 - 72.2)	74.6 (68.6 - 78.6)	56.7 (53.4 - 59.5)	60.1 (55.4 - 63.9)	63.8 (57.3 - 68.6)
The Gambia	65.7 (63.2 - 68.4)	68.9 (66.2 - 71.7)	74.1 (70.5 - 77.3)	57.2 (54.3 - 60.2)	59.8 (56.6 - 62.8)	63.3 (59.4 - 67.0)
Ghana	66.9 (64.2 - 69.4)	69.4 (66.0 - 72.3)	72.7 (67.1 - 76.4)	58.5 (55.7 - 61.3)	60.7 (57.3 - 64.1)	62.9 (58.2 - 67.0)
Guinea	62.7 (58.8 - 66.3)	66.5 (60.4 - 70.4)	72.2 (63.2 - 76.8)	54.7 (50.8 - 58.3)	58.0 (52.4 - 62.1)	62.2 (53.9 - 67.6)
Guinea-Bissau	58.7 (42.5 - 62.7)	64.2 (61.4 - 66.9)	70.2 (66.3 - 73.4)	51.6 (38.4 - 55.6)	56.1 (52.9 - 58.9)	60.6 (56.5 - 64.1)
Liberia	65.3 (60.9 - 68.8)	68.4 (63.3 - 72.4)	73.0 (66.3 - 77.9)	55.5 (51.3 - 59.5)	58.3 (53.1 - 62.8)	61.9 (55.7 - 67.1)
Mali	63.1 (60.6 - 65.6)	67.0 (63.4 - 70.1)	73.2 (68.2 - 76.7)	54.7 (51.7 - 57.6)	58.1 (54.4 - 61.4)	62.4 (57.7 - 66.6)
Mauritania	70.2 (65.5 - 72.9)	73.2 (69.9 - 76.1)	76.1 (72.3 - 79.5)	61.5 (57.4 - 64.8)	63.9 (60.2 - 67.4)	65.6 (61.4 - 69.8)
Niger	64.0 (59.7 - 67.5)	66.7 (60.6 - 70.7)	70.8 (64.3 - 75.7)	55.9 (52.2 - 59.8)	58.4 (52.8 - 62.7)	61.5 (55.6 - 66.5)
Nigeria	65.5 (63.4 - 67.4)	69.1 (65.5 - 72.0)	75.0 (69.5 - 78.4)	56.5 (53.4 - 59.5)	59.8 (55.6 - 63.5)	64.1 (58.9 - 68.4)
São Tomé and Príncipe	72.2 (70.1 - 74.0)	73.8 (71.7 - 75.6)	76.3 (73.9 - 78.4)	63.2 (60.3 - 66.0)	64.6 (61.5 - 67.4)	66.2 (62.8 - 69.5)
Senegal	69.1 (66.4 - 71.5)	72.3 (69.3 - 74.8)	76.9 (73.8 - 79.9)	60.1 (56.7 - 63.4)	62.7 (59.2 - 66.2)	65.9 (62.1 - 70.0)
Sierra Leone	62.8 (58.9 - 66.1)	66.5 (60.7 - 70.4)	72.8 (65.2 - 77.6)	54.6 (51.2 - 58.2)	57.8 (52.0 - 61.9)	62.7 (55.1 - 67.3)
Togo	65.3 (61.2 - 68.4)	68.7 (64.8 - 72.7)	73.2 (67.3 - 77.9)	56.9 (53.1 - 60.5)	59.9 (55.5 - 64.1)	63.1 (57.6 - 68.2)



**Supplemental Results Table S3. Percent decrease in DALY counts by scenario compared to reference in 2050. Estimates are listed as mean counts with percent decrease compared to the reference scenario in parentheses. Highlighted rows indicate region and super region results from the GBD location hierarchy.**

Location	Reference (million)	Combined (n, % decrease)	Safer Environment (n, % decrease)	Improved Behavioural and Metabolic Risks (n, % decrease)	Improved Nutrition and Vaccination (n, % decrease)
<b>Global</b>	3148.76	2664.36 (-18.18)	3091.02 (-1.87)	2730.64 (-15.31)	3129.41 (-0.62)
<b>Central Europe, Eastern Europe, and Central Asia</b>	151.01	127.28 (-18.64)	150.65 (-0.24)	127.74 (-18.21)	150.72 (-0.19)
<b>Central Asia</b>	35.03	27.51 (-27.35)	34.85 (-0.51)	27.84 (-25.82)	34.78 (-0.73)
Armenia	0.86	0.69 (-24.73)	0.86 (-0.04)	0.69 (-24.51)	0.86 (-0.08)
Azerbaijan	3.78	2.91 (-29.72)	3.77 (-0.18)	2.94 (-28.70)	3.76 (-0.52)
Georgia	1.22	0.96 (-28.03)	1.22 (-0.41)	0.96 (-27.58)	1.22 (-0.10)
Kazakhstan	6.79	5.64 (-20.33)	6.78 (-0.17)	5.66 (-19.98)	6.78 (-0.15)
Kyrgyzstan	2.31	1.89 (-22.49)	2.30 (-0.67)	1.90 (-21.43)	2.31 (-0.34)
Mongolia	1.64	1.39 (-17.65)	1.63 (-0.49)	1.40 (-16.54)	1.63 (-0.55)
Tajikistan	3.73	2.94 (-26.60)	3.65 (-2.03)	3.08 (-21.12)	3.62 (-2.82)
Turkmenistan	2.00	1.61 (-24.28)	1.99 (-0.46)	1.63 (-22.67)	1.98 (-0.87)
Uzbekistan	12.70	9.47 (-34.07)	12.66 (-0.37)	9.58 (-32.58)	12.62 (-0.68)
<b>Central Europe</b>	38.37	32.73 (-17.26)	38.27 (-0.27)	32.79 (-17.04)	38.36 (-0.03)
Albania	0.83	0.71 (-17.32)	0.83 (-0.34)	0.71 (-17.01)	0.83 (-0.06)
Bosnia and Herzegovina	1.02	0.82 (-24.89)	1.02 (-0.39)	0.82 (-24.52)	1.02 (-0.04)
Bulgaria	2.32	1.90 (-22.14)	2.31 (-0.44)	1.90 (-21.81)	2.32 (-0.05)
Croatia	1.29	1.12 (-15.54)	1.29 (-0.21)	1.12 (-15.38)	1.29 (-0.02)
Czechia	3.52	3.04 (-15.97)	3.52 (-0.19)	3.04 (-15.82)	3.52 (-0.03)
Hungary	3.48	3.02 (-15.32)	3.48 (-0.27)	3.03 (-15.14)	3.48 (-0.02)
Montenegro	0.20	0.16 (-23.26)	0.20 (-0.42)	0.16 (-23.00)	0.20 (-0.04)
North Macedonia	0.76	0.61 (-25.46)	0.76 (-0.43)	0.61 (-25.11)	0.76 (-0.04)

Poland	13·11	11·36 (-15·35)	13·08 (-0·20)	11·38 (-15·17)	13·11 (-0·02)
Romania	6·24	5·31 (-17·43)	6·22 (-0·35)	5·33 (-17·11)	6·24 (-0·07)
Serbia	2·99	2·43 (-23·36)	2·98 (-0·38)	2·43 (-23·15)	2·99 (-0·01)
Slovakia	1·90	1·62 (-17·31)	1·89 (-0·26)	1·62 (-17·09)	1·90 (-0·05)
Slovenia	0·71	0·63 (-11·09)	0·70 (-0·16)	0·64 (-10·92)	0·70 (-0·04)
<b>Eastern Europe</b>	<b>77·60</b>	<b>67·05 (-15·74)</b>	<b>77·53 (-0·10)</b>	<b>67·11 (-15·64)</b>	<b>77·58 (-0·03)</b>
Belarus	3·41	2·91 (-17·11)	3·40 (-0·15)	2·91 (-16·98)	3·40 (-0·06)
Estonia	0·43	0·38 (-13·29)	0·43 (-0·05)	0·38 (-13·23)	0·43 (-0·02)
Latvia	0·59	0·52 (-13·35)	0·59 (-0·08)	0·52 (-13·28)	0·59 (-0·01)
Lithuania	0·89	0·80 (-11·59)	0·89 (-0·10)	0·80 (-11·53)	0·89 (-0·01)
Moldova	1·14	0·89 (-28·41)	1·14 (-0·30)	0·89 (-28·21)	1·14 (-0·03)
Russia	55·46	48·10 (-15·30)	55·42 (-0·07)	48·14 (-15·21)	55·44 (-0·03)
Ukraine	15·69	13·46 (-16·58)	15·66 (-0·19)	13·47 (-16·45)	15·68 (-0·03)
<b>High income</b>	<b>390·50</b>	<b>349·83 (-11·62)</b>	<b>390·29 (-0·05)</b>	<b>350·04 (-11·56)</b>	<b>390·45 (-0·01)</b>
<b>Australasia</b>	<b>11·85</b>	<b>10·78 (-9·92)</b>	<b>11·84 (-0·06)</b>	<b>10·79 (-9·84)</b>	<b>11·85 (-0·01)</b>
Australia	9·87	8·99 (-9·68)	9·86 (-0·06)	9·00 (-9·61)	9·86 (-0·01)
New Zealand	1·98	1·79 (-11·12)	1·98 (-0·05)	1·79 (-11·02)	1·98 (-0·02)
<b>High-income Asia Pacific</b>	<b>57·03</b>	<b>51·77 (-10·15)</b>	<b>56·95 (-0·14)</b>	<b>51·85 (-9·99)</b>	<b>57·02 (-0·01)</b>
Brunei	0·16	0·13 (-25·00)	0·16 (-0·28)	0·13 (-24·72)	0·16 (-0·02)
Japan	37·53	34·64 (-8·34)	37·49 (-0·11)	34·69 (-8·19)	37·53 (-0·01)
Singapore	2·01	1·75 (-14·88)	2·00 (-0·19)	1·75 (-14·61)	2·01 (-0·03)
South Korea	17·32	15·25 (-13·60)	17·29 (-0·19)	15·27 (-13·42)	17·32 (0·00)
<b>High-income North America</b>	<b>149·63</b>	<b>132·68 (-12·77)</b>	<b>149·58 (-0·03)</b>	<b>132·73 (-12·73)</b>	<b>149·61 (-0·01)</b>
Canada	14·94	13·44 (-11·14)	14·94 (-0·03)	13·45 (-11·08)	14·94 (-0·02)

Greenland	0·02	0·02 (-13·26)	0·02 (-0·08)	0·02 (-13·11)	0·02 (-0·03)
USA	134·66	119·21 (-12·96)	134·62 (-0·03)	119·26 (-12·92)	134·65 (-0·01)
<b>Southern Latin America</b>	<b>23·99</b>	<b>20·62 (-16·35)</b>	<b>23·99 (-0·02)</b>	<b>20·63 (-16·28)</b>	<b>23·99 (-0·02)</b>
Argentina	15·96	13·59 (-17·48)	15·96 (-0·03)	13·59 (-17·41)	15·96 (-0·02)
Chile	6·86	6·01 (-14·12)	6·86 (-0·00)	6·02 (-14·05)	6·86 (-0·03)
Uruguay	1·17	1·02 (-14·54)	1·17 (-0·04)	1·02 (-14·46)	1·17 (-0·02)
<b>Western Europe</b>	<b>148·00</b>	<b>133·98 (-10·46)</b>	<b>147·94 (-0·04)</b>	<b>134·04 (-10·42)</b>	<b>147·98 (-0·01)</b>
Andorra	0·03	0·03 (-12·94)	0·03 (-0·07)	0·03 (-12·88)	0·03 (-0·01)
Austria	3·06	2·77 (-10·65)	3·06 (-0·14)	2·77 (-10·57)	3·06 (-0·01)
Belgium	4·06	3·68 (-10·10)	4·06 (-0·04)	3·69 (-10·03)	4·06 (-0·02)
Cyprus	0·47	0·41 (-14·75)	0·47 (-0·06)	0·41 (-14·67)	0·47 (-0·03)
Denmark	1·98	1·81 (-9·54)	1·98 (-0·06)	1·81 (-9·47)	1·98 (-0·01)
Finland	1·81	1·66 (-8·82)	1·81 (-0·03)	1·67 (-8·75)	1·81 (-0·02)
France	21·35	19·75 (-8·12)	21·34 (-0·05)	19·76 (-8·05)	21·35 (-0·02)
Germany	29·95	27·21 (-10·08)	29·94 (-0·05)	27·22 (-10·05)	29·95 (-0·01)
Greece	3·27	2·83 (-15·64)	3·27 (-0·13)	2·83 (-15·55)	3·27 (-0·01)
Iceland	0·12	0·11 (-9·64)	0·12 (-0·02)	0·11 (-9·58)	0·12 (-0·02)
Ireland	1·67	1·52 (-10·20)	1·67 (0·04)	1·52 (-10·19)	1·67 (-0·03)
Israel	2·87	2·57 (-11·82)	2·87 (-0·01)	2·57 (-11·78)	2·87 (-0·02)
Italy	19·17	17·38 (-10·33)	19·15 (-0·09)	17·39 (-10·27)	19·17 (-0·00)
Luxembourg	0·26	0·23 (-12·48)	0·26 (-0·08)	0·23 (-12·40)	0·26 (-0·02)
Malta	0·16	0·14 (-12·21)	0·16 (-0·06)	0·14 (-12·13)	0·16 (-0·02)
Monaco	0·01	0·01 (-10·44)	0·01 (-0·03)	0·01 (-10·41)	0·01 (-0·01)
Netherlands	5·82	5·34 (-9·02)	5·82 (-0·04)	5·34 (-8·97)	5·82 (-0·02)

Norway	1.84	1.72 (-6.69)	1.84 (-0.04)	1.72 (-6.63)	1.84 (-0.01)
Portugal	3.57	3.16 (-12.84)	3.57 (-0.00)	3.16 (-12.83)	3.57 (-0.01)
San Marino	0.01	0.01 (-11.24)	0.01 (-0.10)	0.01 (-11.14)	0.01 (-0.02)
Spain	16.27	14.39 (-13.10)	16.26 (-0.04)	14.39 (-13.05)	16.27 (-0.01)
Sweden	3.57	3.26 (-9.58)	3.57 (-0.04)	3.26 (-9.52)	3.57 (-0.01)
Switzerland	3.08	2.79 (-10.15)	3.08 (-0.06)	2.80 (-10.08)	3.08 (-0.02)
UK	23.46	21.09 (-11.23)	23.47 (0.03)	21.09 (-11.24)	23.46 (-0.02)
<b>Latin America and Caribbean</b>	<b>229.71</b>	<b>190.97 (-20.29)</b>	<b>228.49 (-0.53)</b>	<b>192.40 (-19.39)</b>	<b>229.24 (-0.21)</b>
<b>Andean Latin America</b>	<b>22.61</b>	<b>19.16 (-17.98)</b>	<b>22.51 (-0.43)</b>	<b>19.31 (-17.10)</b>	<b>22.55 (-0.23)</b>
Bolivia	4.71	3.95 (-19.24)	4.68 (-0.67)	4.00 (-17.86)	4.69 (-0.46)
Ecuador	6.55	5.39 (-21.51)	6.54 (-0.21)	5.42 (-20.88)	6.53 (-0.22)
Peru	11.35	9.82 (-15.53)	11.30 (-0.45)	9.89 (-14.72)	11.33 (-0.14)
<b>Caribbean</b>	<b>19.25</b>	<b>15.37 (-25.20)</b>	<b>18.82 (-2.24)</b>	<b>15.80 (-21.84)</b>	<b>19.07 (-0.94)</b>
Antigua and Barbuda	0.03	0.03 (-27.37)	0.03 (-0.32)	0.03 (-26.65)	0.03 (-0.07)
The Bahamas	0.17	0.13 (-26.77)	0.17 (-0.35)	0.13 (-26.17)	0.17 (-0.06)
Barbados	0.11	0.09 (-22.59)	0.11 (-0.27)	0.09 (-22.09)	0.11 (-0.03)
Belize	0.19	0.15 (-25.90)	0.19 (-0.89)	0.16 (-24.38)	0.19 (-0.17)
Bermuda	0.02	0.02 (-17.88)	0.02 (-0.23)	0.02 (-17.50)	0.02 (-0.01)
Cuba	3.92	3.29 (-19.34)	3.91 (-0.29)	3.30 (-18.80)	3.92 (-0.03)
Dominica	0.03	0.02 (-26.65)	0.03 (-0.30)	0.02 (-25.87)	0.03 (-0.16)
Dominican Republic	4.09	3.21 (-27.35)	4.07 (-0.54)	3.25 (-25.92)	4.08 (-0.39)
Grenada	0.04	0.03 (-25.93)	0.04 (-0.33)	0.03 (-25.25)	0.04 (-0.09)
Guyana	0.26	0.21 (-24.91)	0.26 (-0.45)	0.21 (-23.84)	0.26 (-0.17)
Haiti	6.92	5.47 (-26.37)	6.56 (-5.50)	5.81 (-18.99)	6.76 (-2.28)

Jamaica	0.94	0.72 (-30.95)	0.94 (-0.40)	0.73 (-30.16)	0.94 (-0.02)
Puerto Rico	1.00	0.80 (-25.08)	0.99 (-0.32)	0.80 (-24.21)	1.00 (-0.03)
Saint Kitts and Nevis	0.02	0.02 (-23.31)	0.02 (-0.44)	0.02 (-22.36)	0.02 (-0.06)
Saint Lucia	0.07	0.06 (-24.39)	0.07 (-0.32)	0.06 (-23.80)	0.07 (-0.05)
Saint Vincent and the Grenadines	0.04	0.03 (-24.22)	0.04 (-0.33)	0.03 (-23.58)	0.04 (-0.05)
Suriname	0.24	0.19 (-25.01)	0.24 (-0.60)	0.19 (-23.44)	0.24 (-0.38)
Trinidad and Tobago	0.46	0.35 (-31.57)	0.46 (-0.26)	0.35 (-30.98)	0.46 (-0.05)
Virgin Islands	0.03	0.02 (-21.68)	0.03 (-0.22)	0.02 (-21.11)	0.03 (-0.12)
<b>Central Latin America</b>	<b>97.02</b>	<b>79.20 (-22.50)</b>	<b>96.61 (-0.43)</b>	<b>79.74 (-21.68)</b>	<b>96.85 (-0.18)</b>
Colombia	16.55	13.89 (-19.15)	16.52 (-0.18)	13.94 (-18.75)	16.54 (-0.07)
Costa Rica	1.66	1.41 (-17.97)	1.66 (-0.16)	1.41 (-17.66)	1.66 (-0.03)
El Salvador	1.99	1.61 (-23.94)	1.98 (-0.43)	1.62 (-23.00)	1.99 (-0.09)
Guatemala	5.96	4.82 (-23.67)	5.89 (-1.15)	4.90 (-21.41)	5.91 (-0.69)
Honduras	4.05	3.32 (-21.93)	3.98 (-1.76)	3.38 (-19.82)	4.04 (-0.26)
Mexico	52.55	43.23 (-21.56)	52.40 (-0.28)	43.42 (-21.03)	52.49 (-0.11)
Nicaragua	2.26	1.76 (-28.56)	2.24 (-0.84)	1.77 (-27.58)	2.26 (-0.11)
Panama	1.60	1.34 (-19.44)	1.60 (-0.32)	1.35 (-18.83)	1.60 (-0.15)
Venezuela	10.40	7.83 (-32.83)	10.34 (-0.58)	7.95 (-30.91)	10.36 (-0.40)
<b>Tropical Latin America</b>	<b>90.84</b>	<b>77.23 (-17.61)</b>	<b>90.55 (-0.32)</b>	<b>77.56 (-17.11)</b>	<b>90.77 (-0.08)</b>
Brazil	88.27	75.13 (-17.49)	88.00 (-0.31)	75.45 (-16.99)	88.20 (-0.08)
Paraguay	2.57	2.10 (-22.10)	2.56 (-0.38)	2.11 (-21.56)	2.56 (-0.20)
<b>North Africa and Middle East</b>	<b>266.91</b>	<b>203.16 (-31.38)</b>	<b>265.68 (-0.47)</b>	<b>204.91 (-30.26)</b>	<b>265.93 (-0.37)</b>
<b>North Africa and Middle East</b>	<b>266.91</b>	<b>203.16 (-31.38)</b>	<b>265.68 (-0.47)</b>	<b>204.91 (-30.26)</b>	<b>265.93 (-0.37)</b>
Afghanistan	19.97	16.21 (-23.20)	19.54 (-2.21)	16.85 (-18.52)	19.52 (-2.30)

Algeria	15.59	12.07 (-29.11)	15.55 (-0.22)	12.12 (-28.61)	15.56 (-0.15)
Bahrain	0.73	0.54 (-35.94)	0.73 (-0.27)	0.54 (-35.30)	0.73 (-0.04)
Egypt	46.37	31.69 (-46.31)	46.28 (-0.19)	31.91 (-45.34)	46.20 (-0.36)
Iran	31.86	24.92 (-27.85)	31.82 (-0.12)	24.96 (-27.64)	31.85 (-0.02)
Iraq	18.07	14.08 (-28.28)	18.02 (-0.27)	14.17 (-27.54)	18.01 (-0.30)
Jordan	5.07	3.81 (-33.01)	5.06 (-0.18)	3.83 (-32.33)	5.06 (-0.27)
Kuwait	2.01	1.42 (-41.17)	2.01 (0.03)	1.43 (-40.77)	2.01 (-0.05)
Lebanon	1.90	1.43 (-32.83)	1.89 (-0.30)	1.44 (-32.31)	1.90 (-0.11)
Libya	3.06	2.23 (-37.32)	3.06 (-0.20)	2.24 (-36.91)	3.06 (-0.06)
Morocco	13.94	9.99 (-39.44)	13.93 (-0.02)	10.01 (-39.14)	13.92 (-0.10)
Oman	2.14	1.54 (-38.85)	2.13 (-0.45)	1.55 (-38.01)	2.14 (-0.06)
Palestine	1.83	1.40 (-30.16)	1.82 (-0.15)	1.41 (-29.80)	1.82 (-0.13)
Qatar	1.85	1.37 (-34.99)	1.84 (-0.32)	1.38 (-34.32)	1.85 (-0.03)
Saudi Arabia	19.43	13.85 (-40.32)	19.40 (-0.18)	13.92 (-39.65)	19.43 (-0.02)
Sudan	20.53	16.42 (-25.06)	20.29 (-1.18)	16.67 (-23.15)	20.44 (-0.48)
Syria	6.80	5.47 (-24.18)	6.78 (-0.19)	5.50 (-23.63)	6.78 (-0.26)
Tunisia	4.15	3.16 (-31.02)	4.13 (-0.31)	3.18 (-30.56)	4.14 (-0.05)
Türkiye	28.15	22.95 (-22.64)	28.08 (-0.23)	23.01 (-22.32)	28.13 (-0.05)
United Arab Emirates	6.94	5.21 (-33.21)	6.88 (-0.90)	5.27 (-31.78)	6.94 (-0.05)
Yemen	16.26	13.16 (-23.54)	16.14 (-0.76)	13.34 (-21.91)	16.15 (-0.68)
<b>South Asia</b>	<b>716.72</b>	<b>610.87 (-17.33)</b>	<b>701.41 (-2.18)</b>	<b>628.98 (-13.95)</b>	<b>713.46 (-0.46)</b>
<b>South Asia</b>	<b>716.72</b>	<b>610.87 (-17.33)</b>	<b>701.41 (-2.18)</b>	<b>628.98 (-13.95)</b>	<b>713.46 (-0.46)</b>
Bangladesh	55.94	45.52 (-22.90)	54.58 (-2.49)	46.95 (-19.14)	55.85 (-0.15)
Bhutan	0.27	0.23 (-17.70)	0.27 (-1.39)	0.23 (-15.99)	0.27 (-0.13)

India	554.09	477.85 (-15.95)	542.34 (-2.17)	491.67 (-12.70)	551.91 (-0.39)
Nepal	10.39	8.98 (-15.68)	10.24 (-1.48)	9.14 (-13.70)	10.36 (-0.21)
Pakistan	96.03	78.30 (-22.66)	94.00 (-2.17)	80.99 (-18.57)	95.06 (-1.02)
<b>Southeast Asia, East Asia, and Oceania</b>	<b>775.82</b>	<b>654.02 (-18.62)</b>	<b>768.54 (-0.95)</b>	<b>661.99 (-17.19)</b>	<b>773.83 (-0.26)</b>
<b>East Asia</b>	<b>501.04</b>	<b>427.27 (-17.27)</b>	<b>498.09 (-0.59)</b>	<b>430.11 (-16.49)</b>	<b>500.49 (-0.11)</b>
China	483.01	412.20 (-17.18)	480.31 (-0.56)	414.85 (-16.43)	482.46 (-0.11)
North Korea	9.70	7.97 (-21.61)	9.44 (-2.68)	8.15 (-18.97)	9.69 (-0.03)
Taiwan (Province of China)	8.34	7.09 (-17.62)	8.33 (-0.10)	7.10 (-17.47)	8.34 (-0.01)
<b>Oceania</b>	<b>7.99</b>	<b>5.86 (-36.39)</b>	<b>7.49 (-6.72)</b>	<b>6.45 (-23.86)</b>	<b>7.68 (-4.05)</b>
American Samoa	0.02	0.02 (-32.92)	0.02 (-0.58)	0.02 (-31.44)	0.02 (-0.25)
Cook Islands	0.01	0.00 (-32.98)	0.01 (-0.35)	0.00 (-32.39)	0.01 (-0.00)
Federated States of Micronesia	0.04	0.03 (-41.96)	0.04 (-0.95)	0.03 (-39.67)	0.04 (-0.42)
Fiji	0.35	0.24 (-45.26)	0.35 (-0.65)	0.24 (-42.80)	0.35 (-0.54)
Guam	0.05	0.04 (-29.21)	0.05 (-0.68)	0.04 (-27.70)	0.05 (-0.29)
Kiribati	0.06	0.04 (-45.86)	0.05 (-5.05)	0.04 (-35.55)	0.06 (-1.45)
Marshall Islands	0.03	0.02 (-44.53)	0.03 (-1.46)	0.02 (-41.36)	0.03 (-0.65)
Nauru	0.01	0.00 (-47.75)	0.01 (-0.29)	0.00 (-45.49)	0.01 (-0.74)
Niue	0.00	0.00 (-29.74)	0.00 (-0.30)	0.00 (-28.80)	0.00 (-0.26)
Northern Mariana Islands	0.02	0.02 (-28.89)	0.02 (-0.98)	0.02 (-26.89)	0.02 (-0.13)
Palau	0.01	0.01 (-31.81)	0.01 (-0.58)	0.01 (-30.07)	0.01 (-0.16)
Papua New Guinea	6.38	4.70 (-35.77)	5.94 (-7.44)	5.23 (-21.91)	6.10 (-4.70)
Samoa	0.09	0.07 (-38.02)	0.09 (-2.59)	0.07 (-31.28)	0.09 (-2.62)
Solomon Islands	0.35	0.25 (-37.09)	0.33 (-5.94)	0.26 (-30.97)	0.34 (-0.70)
Tokelau	0.00	0.00 (-28.97)	0.00 (-0.27)	0.00 (-28.23)	0.00 (-0.15)

Tonga	0.04	0.03 (-29.83)	0.04 (-0.82)	0.03 (-28.28)	0.04 (-0.40)
Tuvalu	0.01	0.00 (-42.82)	0.01 (-0.34)	0.00 (-41.08)	0.01 (-0.38)
Vanuatu	0.16	0.11 (-39.59)	0.15 (-6.31)	0.12 (-32.87)	0.15 (-0.71)
<b>Southeast Asia</b>	<b>266.78</b>	<b>220.89 (-20.78)</b>	<b>262.96 (-1.45)</b>	<b>225.43 (-18.34)</b>	<b>265.66 (-0.42)</b>
Cambodia	6.88	5.70 (-20.72)	6.71 (-2.56)	5.83 (-18.13)	6.86 (-0.36)
Indonesia	105.57	86.46 (-22.10)	103.97 (-1.54)	88.83 (-18.84)	104.98 (-0.56)
Laos	2.86	2.23 (-27.97)	2.77 (-3.28)	2.31 (-23.67)	2.83 (-0.81)
Malaysia	12.16	10.15 (-19.78)	12.08 (-0.69)	10.23 (-18.82)	12.15 (-0.07)
Maldives	0.19	0.15 (-26.98)	0.19 (-0.58)	0.15 (-26.03)	0.19 (-0.11)
Mauritius	0.47	0.36 (-28.06)	0.47 (-0.02)	0.36 (-27.78)	0.47 (-0.08)
Myanmar	22.06	18.24 (-20.93)	21.63 (-2.00)	18.70 (-17.98)	21.92 (-0.64)
Philippines	45.38	37.69 (-20.42)	44.66 (-1.62)	38.48 (-17.93)	45.10 (-0.61)
Seychelles	0.05	0.04 (-27.16)	0.05 (-0.36)	0.04 (-26.06)	0.05 (-0.26)
Sri Lanka	7.11	6.00 (-18.51)	7.06 (-0.72)	6.04 (-17.60)	7.10 (-0.04)
Thailand	24.09	20.30 (-18.66)	23.81 (-1.19)	20.60 (-16.97)	24.08 (-0.05)
Timor-Leste	0.49	0.41 (-19.80)	0.48 (-2.10)	0.42 (-16.55)	0.49 (-0.96)
Viet Nam	39.13	32.87 (-19.07)	38.76 (-0.96)	33.14 (-18.08)	39.10 (-0.10)
<b>Sub-Saharan Africa</b>	<b>618.10</b>	<b>528.22 (-17.02)</b>	<b>585.95 (-5.49)</b>	<b>564.57 (-9.48)</b>	<b>605.79 (-2.03)</b>
<b>Central sub-Saharan Africa</b>	<b>74.86</b>	<b>63.73 (-17.48)</b>	<b>71.86 (-4.18)</b>	<b>67.37 (-11.13)</b>	<b>73.83 (-1.41)</b>
Angola	18.92	16.41 (-15.28)	18.45 (-2.54)	17.22 (-9.83)	18.55 (-1.98)
Central African Republic	3.13	2.56 (-22.11)	2.89 (-8.23)	2.82 (-10.96)	3.06 (-2.27)
Congo (Brazzaville)	2.78	2.28 (-21.93)	2.71 (-2.68)	2.37 (-17.43)	2.77 (-0.68)
DR Congo	48.12	40.84 (-17.83)	45.91 (-4.82)	43.30 (-11.14)	47.55 (-1.20)
Equatorial Guinea	1.00	0.86 (-16.26)	0.99 (-0.73)	0.87 (-14.44)	0.99 (-0.68)



Gabon	0.92	0.78 (-18.24)	0.91 (-0.61)	0.79 (-16.76)	0.91 (-0.43)
<b>Eastern sub-Saharan Africa</b>	<b>211.57</b>	<b>177.80 (-18.99)</b>	<b>197.50 (-7.12)</b>	<b>193.45 (-9.36)</b>	<b>206.85 (-2.28)</b>
Burundi	6.60	5.44 (-21.27)	5.97 (-10.50)	5.99 (-10.13)	6.54 (-0.88)
Comoros	0.29	0.24 (-21.33)	0.28 (-4.00)	0.25 (-15.86)	0.29 (-0.72)
Djibouti	0.62	0.52 (-18.53)	0.60 (-3.14)	0.54 (-13.39)	0.61 (-1.02)
Eritrea	2.99	2.50 (-19.74)	2.79 (-7.27)	2.72 (-10.18)	2.97 (-0.87)
Ethiopia	50.97	44.63 (-14.21)	48.65 (-4.79)	47.41 (-7.51)	50.27 (-1.40)
Kenya	20.04	17.20 (-16.55)	19.06 (-5.16)	18.23 (-9.94)	19.85 (-0.97)
Madagascar	14.28	11.26 (-26.79)	12.84 (-11.20)	12.81 (-11.52)	13.80 (-3.48)
Malawi	9.06	7.46 (-21.35)	8.35 (-8.44)	8.12 (-11.56)	8.96 (-1.08)
Mozambique	16.38	14.18 (-15.53)	15.54 (-5.42)	14.88 (-10.11)	16.30 (-0.49)
Rwanda	6.43	5.54 (-16.05)	6.12 (-5.19)	5.85 (-10.02)	6.39 (-0.68)
Somalia	16.99	12.18 (-39.53)	14.23 (-19.45)	15.83 (-7.35)	15.20 (-11.81)
South Sudan	7.99	6.45 (-23.84)	7.08 (-12.87)	7.55 (-5.91)	7.51 (-6.37)
Tanzania	26.74	22.18 (-20.59)	25.19 (-6.14)	23.72 (-12.76)	26.42 (-1.22)
Uganda	21.37	18.83 (-13.44)	20.37 (-4.89)	19.94 (-7.15)	21.07 (-1.38)
Zambia	10.63	9.03 (-17.72)	10.27 (-3.44)	9.46 (-12.33)	10.49 (-1.27)
<b>Southern sub-Saharan Africa</b>	<b>38.69</b>	<b>32.20 (-20.16)</b>	<b>37.53 (-3.11)</b>	<b>33.67 (-14.94)</b>	<b>38.29 (-1.05)</b>
Botswana	1.02	0.83 (-22.19)	1.00 (-1.69)	0.86 (-18.36)	1.01 (-1.13)
Eswatini	0.54	0.44 (-21.41)	0.52 (-2.51)	0.46 (-16.99)	0.53 (-0.87)
Lesotho	1.03	0.81 (-26.73)	0.96 (-7.35)	0.89 (-15.64)	1.01 (-1.52)
Namibia	1.10	0.92 (-19.84)	1.07 (-2.92)	0.96 (-14.85)	1.09 (-1.08)
South Africa	27.36	23.11 (-18.41)	26.88 (-1.77)	23.83 (-14.79)	27.12 (-0.89)
Zimbabwe	7.66	6.10 (-25.61)	7.10 (-7.91)	6.67 (-14.81)	7.54 (-1.57)

Western sub-Saharan Africa	292·98	254·49 (-15·12)	279·06 (-4·99)	270·09 (-8·47)	286·82 (-2·15)
Benin	9·12	8·10 (-12·59)	8·83 (-3·34)	8·41 (-8·41)	9·04 (-0·88)
Burkina Faso	17·40	15·89 (-9·55)	16·45 (-5·82)	16·67 (-4·41)	17·30 (-0·59)
Cabo Verde	0·21	0·17 (-21·87)	0·20 (-0·92)	0·17 (-20·33)	0·21 (-0·07)
Cameroon	16·84	14·20 (-18·56)	16·39 (-2·74)	14·84 (-13·48)	16·60 (-1·44)
Chad	16·50	13·30 (-24·03)	14·47 (-13·97)	15·74 (-4·81)	15·06 (-9·56)
Côte d'Ivoire	13·99	11·89 (-17·68)	13·51 (-3·54)	12·41 (-12·73)	13·85 (-1·03)
The Gambia	1·05	0·90 (-16·70)	1·01 (-3·59)	0·93 (-12·59)	1·04 (-0·39)
Ghana	17·15	14·65 (-17·08)	16·67 (-2·87)	15·16 (-13·15)	17·11 (-0·26)
Guinea	8·43	7·29 (-15·62)	8·00 (-5·38)	7·81 (-7·96)	8·24 (-2·28)
Guinea-Bissau	1·19	0·98 (-21·31)	1·12 (-6·64)	1·06 (-12·93)	1·18 (-1·00)
Liberia	2·90	2·38 (-22·08)	2·74 (-5·79)	2·53 (-14·81)	2·88 (-0·98)
Mali	17·58	15·24 (-15·32)	16·36 (-7·43)	16·39 (-7·23)	17·32 (-1·49)
Mauritania	1·90	1·62 (-17·46)	1·85 (-2·70)	1·68 (-13·13)	1·89 (-0·84)
Niger	23·79	20·95 (-13·55)	21·74 (-9·42)	22·55 (-5·50)	23·63 (-0·68)
Nigeria	129·17	113·36 (-13·95)	124·66 (-3·62)	119·49 (-8·10)	125·81 (-2·67)
São Tomé and Príncipe	0·07	0·06 (-21·36)	0·07 (-1·44)	0·06 (-19·28)	0·07 (-0·21)
Senegal	6·71	5·76 (-16·58)	6·42 (-4·55)	6·02 (-11·42)	6·69 (-0·36)
Sierra Leone	4·86	4·17 (-16·54)	4·56 (-6·44)	4·46 (-8·88)	4·79 (-1·33)
Togo	4·12	3·59 (-14·78)	3·99 (-3·08)	3·71 (-10·96)	4·13 (0·29)

**Supplemental Results Table S4. Cause-specific death counts and age-standardised death rates in 2022 and 2050 by scenario. Estimates, listed as means, with 95% uncertainty intervals in parentheses. Highlighted rows indicate higher level aggregated causes from the GBD cause hierarchy.**

	All-age Deaths (in Thousands)						Age-standardized Death rate (per 100,000)					
	Reference 2022	Reference 2050	Safer Environment 2050	Improved Behavioural and Metabolic Risks 2050	Improved Childhood Nutrition and Vaccination	Combined 2050	Reference 2022	Reference 2050	Safer Environment 2050	Improved Behavioural and Metabolic Risks 2050	Improved Childhood Nutrition and Vaccination	Combined 2050
	<b>All causes</b>	60134.0 (57064.1 - 63169.5)	90677.9 (83840.7 - 99580.9)	89064.7 (82430.7 - 97819.0)	74578.6 (69415.0 - 80820.2)	90405.2 (83569.6 - 99492.4)	72577.2 (67646.7 - 78507.8)	736.3 (702.6 - 772.7)	547.8 (467.9 - 670.7)	526.5 (451.4 - 645.0)	380.7 (333.4 - 451.6)	543.4 (464.4 - 667.1)
<b>Communicable, maternal, neonatal, and nutritional</b>	11926.1 (11046.4 - 12984.9)	9509.4 (7857.1 - 12224.9)	7900.6 (6560.8 - 10300.7)	11244.3 (9149.0 - 14526.9)	9191.8 (7568.5 - 11900.8)	8988.5 (7278.5 - 11916.6)	157.9 (146.1 - 172.4)	80.7 (62.0 - 113.2)	68.6 (52.2 - 95.0)	80.1 (61.3 - 113.4)	76.3 (58.0 - 107.5)	65.0 (48.9 - 92.8)
<b>HIV/AIDS and sexually transmitted infections</b>	769.0 (701.2 - 865.7)	363.1 (268.4 - 617.8)	365.3 (270.0 - 620.8)	382.4 (279.6 - 667.7)	364.7 (269.4 - 619.3)	386.0 (281.9 - 671.7)	9.5 (8.5 - 11.0)	3.5 (2.6 - 6.1)	3.6 (2.6 - 6.1)	3.6 (2.6 - 6.1)	3.6 (2.6 - 6.1)	3.6 (2.6 - 6.1)
HIV/AIDS	692.4 (641.1 - 765.9)	326.8 (235.9 - 586.1)	328.5 (237.4 - 589.0)	344.2 (245.7 - 639.5)	326.9 (235.9 - 586.2)	346.0 (247.1 - 641.9)	8.3 (7.7 - 9.2)	3.0 (2.2 - 5.5)	3.0 (2.2 - 5.5)	3.0 (2.2 - 5.5)	3.0 (2.2 - 5.5)	3.0 (2.2 - 5.5)
Sexually transmitted infections excluding HIV	76.7 (33.9 - 152.1)	36.3 (18.2 - 66.7)	36.8 (18.4 - 68.1)	38.1 (19.7 - 68.9)	37.9 (18.8 - 70.3)	40.0 (20.4 - 73.2)	1.2 (0.5 - 2.4)	0.6 (0.2 - 1.1)	0.6 (0.3 - 1.1)	0.6 (0.2 - 1.1)	0.6 (0.3 - 1.1)	0.6 (0.3 - 1.1)
<b>Respiratory infections and tuberculosis</b>	6140.3 (5782.9 - 6517.1)	4934.2 (4251.2 - 5607.2)	4419.4 (3774.9 - 5046.2)	5989.6 (4989.6 - 6948.3)	4703.0 (4047.1 - 5340.6)	5163.5 (4242.1 - 6051.8)	75.8 (71.4 - 80.6)	31.3 (25.1 - 38.8)	26.9 (21.5 - 33.6)	30.3 (24.1 - 38.0)	28.5 (22.9 - 35.5)	24.0 (19.0 - 30.4)
Tuberculosis	1143.0 (1021.1 - 1279.0)	877.2 (594.7 - 1262.0)	869.1 (586.4 - 1251.6)	1025.1 (683.6 - 1499.8)	880.4 (596.6 - 1267.2)	1014.9 (673.3 - 1496.7)	13.5 (12.2 - 15.3)	6.3 (4.0 - 9.8)	6.2 (3.9 - 9.7)	6.4 (4.1 - 10.1)	6.3 (4.0 - 9.9)	6.3 (4.0 - 10.0)
Lower respiratory infections	2573.3 (2330.2 - 2777.8)	4035.0 (3508.4 - 4436.3)	3527.9 (3043.8 - 3893.8)	4938.6 (4138.8 - 5584.8)	3800.0 (3291.3 - 4185.3)	4121.7 (3391.7 - 4681.4)	33.9 (30.7 - 36.7)	24.8 (20.9 - 29.2)	20.5 (17.3 - 24.1)	23.7 (20.0 - 28.0)	22.0 (18.5 - 25.9)	17.4 (14.7 - 20.6)
Upper respiratory infections	19.4 (6.8 - 42.1)	21.2 (7.2 - 45.4)	21.7 (7.4 - 46.6)	25.0 (9.4 - 51.0)	21.8 (7.2 - 46.3)	26.0 (9.6 - 53.4)	0.3 (0.1 - 0.6)	0.2 (0.1 - 0.5)	0.2 (0.1 - 0.6)	0.2 (0.1 - 0.5)	0.2 (0.1 - 0.6)	0.2 (0.1 - 0.6)
Otitis media	0.5 (0.2 - 1.2)	0.8 (0.2 - 2.0)	0.8 (0.2 - 2.0)	0.9 (0.2 - 2.1)	0.8 (0.2 - 2.0)	0.9 (0.2 - 2.2)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
COVID-19	2404.0 (2268.6 - 2574.3)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	28.1 (26.4 - 30.2)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
<b>Enteric infections</b>	1305.3 (954.5 - 1701.9)	1593.4 (1005.4 - 2282.9)	484.3 (318.7 - 694.8)	2002.2 (1213.0 - 2926.9)	1517.4 (943.6 - 2205.9)	599.7 (386.3 - 884.5)	17.3 (12.9 - 22.3)	11.3 (7.0 - 17.8)	3.6 (2.2 - 5.7)	11.5 (7.0 - 18.1)	9.9 (6.0 - 15.4)	3.6 (2.2 - 5.6)
Diarrheal diseases	1135.9 (774.6 - 1531.9)	1480.1 (901.3 - 2155.7)	372.1 (233.7 - 542.9)	1886.8 (1131.4 - 2772.4)	1400.4 (826.0 - 2078.3)	481.1 (294.2 - 718.9)	14.9 (10.6 - 19.8)	9.7 (5.8 - 15.3)	2.1 (1.2 - 3.2)	9.9 (6.0 - 15.5)	8.2 (4.7 - 12.8)	1.9 (1.1 - 3.1)
Typhoid and paratyphoid	105.6 (55.1 - 194.9)	53.2 (24.4 - 101.4)	52.1 (23.9 - 99.6)	53.9 (24.8 - 102.5)	54.2 (24.8 - 103.7)	53.9 (24.6 - 103.4)	1.5 (0.8 - 2.7)	0.8 (0.3 - 1.4)	0.7 (0.3 - 1.4)	0.8 (0.3 - 1.4)	0.8 (0.4 - 1.5)	0.8 (0.4 - 1.5)
Invasive Non-typhoidal Salmonella (iNTS)	62.3 (35.1 - 98.7)	58.4 (27.0 - 112.7)	58.3 (27.0 - 113.2)	59.6 (27.6 - 114.7)	61.1 (28.0 - 118.0)	62.7 (28.8 - 121.6)	0.9 (0.5 - 1.4)	0.8 (0.4 - 1.6)	0.8 (0.4 - 1.6)	0.8 (0.4 - 1.6)	0.9 (0.4 - 1.7)	0.9 (0.4 - 1.7)
Other intestinal infectious diseases	1.4 (1.0 - 1.9)	1.7 (1.1 - 2.5)	1.7 (1.2 - 2.5)	1.9 (1.2 - 2.9)	1.7 (1.1 - 2.5)	1.9 (1.3 - 2.9)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
<b>Neglected tropical diseases and malaria</b>	792.3 (378.3 - 1448.8)	621.0 (251.3 - 1704.0)	655.9 (260.5 - 1882.9)	651.1 (272.6 - 1741.0)	668.1 (260.5 - 1972.3)	719.7 (289.8 - 2066.8)	11.0 (5.2 - 19.5)	7.5 (2.6 - 22.5)	8.0 (2.7 - 24.6)	7.5 (2.6 - 22.6)	8.3 (2.7 - 27.1)	8.6 (2.8 - 28.1)
Malaria	692.0 (275.2 - 1357.8)	497.4 (119.8 - 1586.4)	529.8 (127.4 - 1762.5)	510.7 (125.0 - 1609.6)	542.0 (124.8 - 1846.0)	574.8 (135.9 - 1935.7)	9.7 (3.9 - 18.4)	6.4 (1.3 - 21.6)	6.8 (1.4 - 23.2)	6.4 (1.3 - 21.6)	7.1 (1.4 - 26.2)	7.4 (1.5 - 27.0)
Chagas disease	7.7 (6.5 - 9.2)	7.9 (6.4 - 9.7)	7.9 (6.4 - 9.6)	9.5 (7.6 - 11.8)	8.0 (6.4 - 9.7)	9.5 (7.6 - 11.7)	0.1 (0.1 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)
Leishmaniasis	5.0 (1.6 - 16.0)	1.6 (0.4 - 3.6)	1.6 (0.4 - 3.7)	1.6 (0.4 - 3.7)	1.6 (0.4 - 3.7)	1.6 (0.4 - 3.8)	0.1 (0.0 - 0.2)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.1)
African trypanosomiasis	1.7 (0.4 - 6.9)	2.4 (0.8 - 6.8)	2.4 (0.8 - 6.9)	2.4 (0.9 - 7.0)	2.4 (0.8 - 6.8)	2.5 (0.9 - 7.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)
Schistosomiasis	12.8 (10.5 - 16.3)	16.6 (7.0 - 71.0)	16.8 (7.1 - 71.5)	18.9 (7.7 - 91.4)	16.7 (7.0 - 71.4)	19.1 (7.9 - 92.0)	0.2 (0.1 - 0.2)	0.1 (0.1 - 0.5)	0.1 (0.1 - 0.5)	0.1 (0.1 - 0.6)	0.1 (0.1 - 0.5)	0.1 (0.1 - 0.6)
Cysticercosis	1.7 (1.2 - 2.4)	3.4 (2.0 - 5.6)	3.5 (2.0 - 5.6)	3.6 (2.1 - 5.9)	3.4 (2.0 - 5.6)	3.6 (2.1 - 5.8)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)
Cystic echinococcosis	1.4 (1.0 - 1.8)	1.8 (1.1 - 2.6)	1.8 (1.1 - 2.6)	2.1 (1.3 - 3.0)	1.8 (1.1 - 2.6)	2.1 (1.3 - 3.1)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
Dengue	29.6 (18.1 - 41.6)	45.3 (21.5 - 68.0)	45.9 (22.1 - 68.9)	53.9 (26.0 - 79.7)	45.4 (21.6 - 68.2)	54.6 (26.6 - 80.3)	0.4 (0.2 - 0.5)	0.4 (0.2 - 0.6)	0.4 (0.2 - 0.6)	0.4 (0.2 - 0.6)	0.4 (0.2 - 0.6)	0.4 (0.2 - 0.6)
Yellow fever	4.5 (1.6 - 10.1)	2.5 (1.0 - 7.1)	2.5 (1.0 - 7.3)	2.5 (1.0 - 7.2)	2.5 (1.0 - 7.2)	2.6 (1.0 - 7.5)	0.1 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)
Rabies	10.1 (5.8 - 14.5)	8.9 (3.5 - 16.3)	9.0 (3.5 - 16.6)	9.5 (3.7 - 17.3)	9.0 (3.5 - 16.6)	9.7 (3.8 - 17.8)	0.1 (0.1 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)
Intestinal nematode infections	3.5 (2.2 - 5.7)	2.9 (1.7 - 5.0)	3.0 (1.8 - 5.1)	3.0 (1.8 - 5.1)	3.0 (1.7 - 5.1)	3.2 (1.9 - 5.3)	0.1 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.1)
Other neglected tropical diseases	22.2 (15.7 - 27.3)	30.2 (19.1 - 42.2)	31.7 (19.9 - 44.6)	33.4 (21.1 - 46.1)	32.4 (20.2 - 46.1)	36.5 (22.7 - 51.6)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.5)	0.3 (0.2 - 0.5)	0.3 (0.2 - 0.5)	0.4 (0.2 - 0.6)	0.4 (0.2 - 0.6)
<b>Other infectious diseases</b>	707.3 (551.5 - 908.7)	617.1 (455.2 - 843.6)	630.5 (462.3 - 869.1)	694.5 (508.5 - 958.6)	542.6 (399.0 - 743.2)	621.7 (450.2 - 858.6)	9.8 (7.6 - 12.8)	6.3 (4.5 - 9.0)	6.5 (4.6 - 9.4)	6.4 (4.5 - 9.1)	5.0 (3.4 - 7.3)	5.1 (3.4 - 7.5)
Meningitis	210.0 (175.3 - 259.2)	167.6 (122.7 - 234.7)	170.4 (123.8 - 241.2)	185.1 (136.2 - 257.6)	163.7 (118.4 - 232.1)	181.4 (130.5 - 257.3)	2.9 (2.4 - 3.6)	1.7 (1.2 - 2.6)	1.8 (1.2 - 2.7)	1.7 (1.2 - 2.6)	1.7 (1.1 - 2.6)	1.7 (1.1 - 2.6)
Encephalitis	93.0 (78.0 - 110.1)	161.0 (117.9 - 214.5)	162.8 (118.4 - 218.2)	190.6 (136.3 - 262.7)	162.8 (119.2 - 217.0)	193.5 (136.9 - 268.7)	1.2 (1.0 - 1.4)	1.3 (0.9 - 1.8)	1.3 (0.9 - 1.8)	1.3 (0.9 - 1.8)	1.3 (0.9 - 1.8)	1.3 (0.9 - 1.9)
Diphtheria	3.6 (2.4 - 5.1)	2.0 (1.2 - 3.1)	2.1 (1.3 - 3.3)	2.0 (1.2 - 3.1)	1.3 (0.9 - 1.8)	1.3 (0.9 - 1.8)	0.1 (0.0 - 0.1)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.1)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
Pertussis	136.5 (65.3 - 237.7)	87.9 (41.3 - 157.7)	94.5 (44.3 - 169.8)	87.9 (41.3 - 157.8)	21.7 (10.9 - 37.3)	22.1 (11.1 - 38.1)	2.1 (1.0 - 3.6)	1.5 (0.7 - 2.7)	1.6 (0.7 - 3.0)	1.5 (0.7 - 2.7)	0.3 (0.2 - 0.6)	0.3 (0.2 - 0.6)
Tetanus	20.4 (9.2 - 31.9)	7.6 (2.1 - 15.5)	7.6 (2.0 - 15.5)	8.1 (2.2 - 16.4)	6.5 (1.3 - 14.2)	6.9 (1.4 - 15.0)	0.3 (0.1 - 0.4)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.2)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.1)

Measles	90.1 (35.0 - 195.4)	12.6 (4.2 - 41.9)	13.6 (4.3 - 47.8)	12.6 (4.2 - 41.9)	5.5 (3.0 - 9.7)	5.6 (3.0 - 10.0)	1.4 (0.5 - 3.0)	0.2 (0.1 - 0.7)	0.2 (0.1 - 0.8)	0.2 (0.1 - 0.7)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.2)
Varicella and herpes zoster	13.8 (12.2 - 15.4)	16.8 (11.3 - 24.9)	17.3 (11.5 - 25.8)	22.8 (14.7 - 34.7)	17.1 (11.4 - 25.8)	23.6 (15.0 - 36.7)	0.2 (0.2 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)
Acute hepatitis	70.2 (56.1 - 91.0)	48.4 (32.6 - 72.2)	48.2 (32.3 - 72.0)	53.5 (35.5 - 80.9)	48.9 (32.8 - 73.1)	53.4 (35.4 - 81.1)	0.9 (0.7 - 1.2)	0.4 (0.3 - 0.7)	0.4 (0.3 - 0.7)	0.4 (0.3 - 0.7)	0.4 (0.3 - 0.7)	0.4 (0.3 - 0.7)
Other unspecified infectious diseases	69.7 (46.5 - 96.3)	113.2 (69.1 - 166.7)	114.1 (69.6 - 168.1)	131.9 (80.1 - 196.3)	115.2 (69.8 - 169.8)	133.9 (80.8 - 199.5)	0.9 (0.6 - 1.3)	1.0 (0.5 - 1.5)	1.0 (0.5 - 1.6)	1.0 (0.5 - 1.6)	1.0 (0.5 - 1.6)	1.0 (0.5 - 1.6)
<b>Maternal and neonatal disorders</b>	<b>1993.0 (1697.6 - 2346.3)</b>	<b>1063.5 (729.9 - 1526.7)</b>	<b>1025.6 (701.0 - 1478.3)</b>	<b>1064.0 (730.0 - 1527.9)</b>	<b>1086.4 (741.6 - 1565.0)</b>	<b>1045.1 (711.2 - 1510.9)</b>	<b>31.5 (27.1 - 36.7)</b>	<b>18.8 (13.9 - 25.1)</b>	<b>18.1 (13.3 - 24.2)</b>	<b>18.8 (13.9 - 25.1)</b>	<b>19.2 (14.2 - 25.6)</b>	<b>18.4 (13.5 - 24.6)</b>
Maternal disorders	188.5 (160.8 - 224.1)	117.0 (69.6 - 190.1)	116.6 (69.6 - 189.0)	117.0 (69.6 - 190.2)	117.4 (69.9 - 190.9)	116.9 (69.8 - 189.7)	2.4 (2.0 - 2.8)	1.4 (0.8 - 2.2)	1.4 (0.8 - 2.2)	1.4 (0.8 - 2.2)	1.4 (0.8 - 2.2)	1.4 (0.8 - 2.2)
Neonatal disorders	1804.5 (1513.8 - 2135.5)	946.5 (660.3 - 1342.3)	909.0 (631.7 - 1293.2)	947.0 (660.5 - 1343.2)	969.0 (671.8 - 1379.5)	928.2 (641.7 - 1324.0)	29.1 (25.0 - 34.0)	17.5 (13.0 - 23.1)	16.8 (12.4 - 22.3)	17.5 (13.0 - 23.1)	17.9 (13.3 - 23.7)	17.1 (12.7 - 22.7)
<b>Nutritional deficiencies</b>	<b>219.0 (196.0 - 245.8)</b>	<b>317.1 (210.2 - 467.5)</b>	<b>319.6 (209.2 - 471.9)</b>	<b>460.5 (291.1 - 713.8)</b>	<b>309.5 (206.9 - 453.0)</b>	<b>452.8 (284.3 - 701.5)</b>	<b>3.0 (2.6 - 3.3)</b>	<b>1.9 (1.1 - 3.1)</b>	<b>1.9 (1.1 - 3.1)</b>	<b>1.9 (1.1 - 3.3)</b>	<b>1.7 (1.0 - 2.9)</b>	<b>1.8 (1.0 - 2.9)</b>
Protein-energy malnutrition	186.6 (165.0 - 209.8)	278.6 (181.8 - 412.3)	280.6 (181.3 - 416.8)	406.0 (254.1 - 626.9)	270.9 (178.9 - 396.7)	397.7 (247.8 - 618.5)	2.6 (2.2 - 2.9)	1.7 (0.9 - 2.8)	1.6 (0.9 - 2.8)	1.7 (1.0 - 2.9)	1.5 (0.9 - 2.5)	1.5 (0.9 - 2.6)
Other nutritional deficiencies	32.4 (28.7 - 36.3)	38.5 (26.0 - 54.8)	39.0 (26.1 - 55.6)	54.5 (35.0 - 81.2)	38.6 (26.0 - 54.9)	55.1 (35.1 - 82.4)	0.4 (0.4 - 0.4)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)
<b>Non-communicable diseases</b>	<b>43847.1 (41685.0 - 46151.8)</b>	<b>75509.0 (70228.7 - 81369.8)</b>	<b>75425.3 (70126.0 - 81403.7)</b>	<b>56752.3 (53275.9 - 60904.1)</b>	<b>75550.1 (70274.8 - 81410.9)</b>	<b>56908.6 (53392.9 - 61137.2)</b>	<b>525.1 (502.5 - 549.1)</b>	<b>423.5 (367.8 - 504.8)</b>	<b>414.4 (360.5 - 493.2)</b>	<b>256.6 (232.1 - 291.4)</b>	<b>423.4 (367.7 - 504.8)</b>	<b>252.5 (228.9 - 286.1)</b>
<b>Neoplasms</b>	<b>10024.8 (9234.6 - 10726.8)</b>	<b>18439.5 (15234.5 - 21972.7)</b>	<b>18559.2 (15339.5 - 22085.4)</b>	<b>17090.5 (14338.1 - 19921.4)</b>	<b>18443.3 (15236.5 - 21978.6)</b>	<b>17184.4 (14429.3 - 20015.6)</b>	<b>116.4 (107.4 - 124.2)</b>	<b>109.2 (96.8 - 123.1)</b>	<b>108.4 (96.0 - 122.2)</b>	<b>86.6 (77.5 - 97.0)</b>	<b>109.2 (96.7 - 123.1)</b>	<b>86.0 (76.9 - 96.3)</b>
Lip and oral cavity cancer	212.5 (192.4 - 231.0)	430.7 (385.5 - 471.7)	438.2 (392.1 - 479.5)	442.6 (393.9 - 485.2)	430.8 (385.6 - 471.8)	449.3 (399.8 - 492.7)	2.4 (2.2 - 2.6)	2.7 (2.4 - 3.0)	2.8 (2.4 - 3.0)	2.5 (2.2 - 2.7)	2.7 (2.4 - 3.0)	2.5 (2.2 - 2.7)
Nasopharynx cancer	76.7 (67.7 - 86.0)	135.4 (112.9 - 163.0)	137.0 (114.1 - 165.1)	134.6 (110.3 - 164.7)	135.5 (112.9 - 163.1)	135.9 (111.2 - 166.4)	0.9 (0.8 - 1.0)	0.9 (0.7 - 1.2)	0.9 (0.7 - 1.2)	0.8 (0.7 - 1.1)	0.9 (0.7 - 1.2)	0.8 (0.7 - 1.1)
Other pharynx cancer	100.5 (91.3 - 110.5)	200.4 (179.7 - 227.2)	203.1 (181.9 - 230.5)	173.1 (153.9 - 195.9)	200.5 (179.7 - 227.2)	174.8 (155.5 - 198.0)	1.1 (1.0 - 1.2)	1.3 (1.2 - 1.5)	1.3 (1.2 - 1.5)	1.0 (0.9 - 1.2)	1.3 (1.2 - 1.5)	1.1 (0.9 - 1.2)
Esophageal cancer	547.4 (481.0 - 620.9)	984.4 (870.6 - 1089.5)	1000.0 (884.7 - 1107.6)	917.3 (805.1 - 1019.8)	984.4 (870.6 - 1089.4)	927.8 (813.2 - 1032.3)	6.2 (5.5 - 7.1)	5.8 (5.1 - 6.6)	5.8 (5.1 - 6.6)	4.6 (4.0 - 5.3)	5.8 (5.1 - 6.6)	4.6 (4.0 - 5.3)
Stomach cancer	955.1 (836.1 - 1083.5)	1195.0 (1023.6 - 1338.7)	1213.3 (1038.5 - 1358.9)	1320.0 (1116.2 - 1470.1)	1195.1 (1023.8 - 1338.8)	1335.6 (1127.8 - 1486.7)	11.0 (9.7 - 12.4)	6.8 (5.9 - 7.6)	6.8 (5.9 - 7.6)	6.3 (5.4 - 7.0)	6.8 (5.9 - 7.6)	6.3 (5.4 - 7.0)
Colon and rectum cancer	1064.4 (967.0 - 1142.7)	2189.8 (1532.5 - 2942.3)	2220.2 (1553.1 - 2981.0)	1238.0 (874.4 - 1644.2)	2190.6 (1532.9 - 2943.5)	1252.6 (885.0 - 1662.3)	12.5 (11.4 - 13.4)	12.2 (9.3 - 15.6)	12.2 (9.3 - 15.6)	5.7 (4.3 - 7.3)	12.2 (9.3 - 15.6)	5.7 (4.3 - 7.3)
Liver cancer	493.5 (445.3 - 551.2)	1004.7 (834.7 - 1230.5)	1017.2 (843.8 - 1246.8)	987.5 (802.8 - 1232.5)	1004.8 (834.8 - 1230.6)	997.7 (810.1 - 1246.9)	5.7 (5.1 - 6.4)	6.2 (4.9 - 8.1)	6.2 (4.9 - 8.1)	5.3 (4.2 - 6.9)	6.2 (4.9 - 8.1)	5.3 (4.2 - 6.9)
Gallbladder and biliary tract cancer	173.6 (146.0 - 194.5)	245.6 (184.3 - 307.5)	249.0 (187.1 - 311.7)	255.1 (194.2 - 315.8)	245.6 (184.3 - 307.6)	258.1 (196.3 - 319.8)	2.0 (1.7 - 2.3)	1.4 (1.1 - 1.7)	1.4 (1.1 - 1.7)	1.2 (0.9 - 1.5)	1.4 (1.1 - 1.7)	1.2 (0.9 - 1.5)
Pancreatic cancer	520.6 (473.9 - 565.5)	1268.8 (922.7 - 1676.0)	1280.9 (931.7 - 1691.2)	1224.8 (892.7 - 1605.4)	1268.9 (922.8 - 1676.2)	1234.0 (900.5 - 1616.3)	6.0 (5.5 - 6.5)	7.2 (5.6 - 9.1)	7.2 (5.6 - 9.1)	5.9 (4.6 - 7.5)	7.2 (5.6 - 9.1)	5.8 (4.5 - 7.5)
Larynx cancer	118.1 (108.8 - 128.3)	176.5 (157.2 - 197.3)	179.3 (159.5 - 200.5)	142.4 (128.4 - 158.1)	176.6 (157.2 - 197.4)	144.1 (130.1 - 159.8)	1.3 (1.2 - 1.4)	1.1 (1.0 - 1.2)	1.1 (1.0 - 1.2)	0.8 (0.7 - 0.9)	1.1 (1.0 - 1.2)	0.8 (0.7 - 0.9)
Tracheal, bronchus, and lung cancer	2024.5 (1816.3 - 2218.4)	3443.8 (2562.6 - 4466.1)	3365.2 (2507.1 - 4360.8)	2580.6 (1936.6 - 3333.2)	3444.2 (2562.9 - 4466.9)	2512.3 (1888.3 - 3243.7)	23.2 (20.9 - 25.4)	19.4 (15.4 - 24.0)	18.7 (14.8 - 23.1)	12.3 (9.7 - 15.3)	19.4 (15.4 - 24.0)	11.9 (9.4 - 14.7)
Malignant skin melanoma	62.5 (55.3 - 67.9)	112.3 (95.9 - 124.7)	113.3 (96.6 - 125.9)	136.9 (114.8 - 153.0)	112.4 (95.9 - 124.7)	137.9 (115.5 - 154.2)	0.7 (0.7 - 0.8)	0.7 (0.6 - 0.8)	0.7 (0.6 - 0.8)	0.7 (0.6 - 0.8)	0.7 (0.6 - 0.8)	0.7 (0.6 - 0.8)
Non-melanoma skin cancer	58.3 (50.1 - 64.3)	165.0 (124.1 - 205.7)	168.5 (126.6 - 210.0)	228.8 (174.3 - 283.0)	165.1 (124.2 - 205.9)	233.0 (177.8 - 288.4)	0.7 (0.6 - 0.8)	0.8 (0.7 - 1.0)	0.8 (0.7 - 1.0)	0.9 (0.7 - 1.0)	0.8 (0.7 - 1.0)	0.9 (0.7 - 1.0)
Soft tissue and other extraosseous sarcomas	51.1 (43.4 - 61.8)	95.0 (77.7 - 117.2)	96.3 (78.6 - 118.9)	110.8 (89.8 - 136.9)	95.0 (77.7 - 117.3)	112.1 (90.7 - 138.7)	0.6 (0.5 - 0.7)	0.6 (0.5 - 0.8)	0.6 (0.5 - 0.8)	0.7 (0.5 - 0.8)	0.6 (0.5 - 0.8)	0.7 (0.5 - 0.8)
Malignant neoplasm of bone and articular cartilage	67.9 (54.2 - 76.3)	145.9 (92.6 - 213.3)	147.7 (93.9 - 215.9)	171.1 (109.7 - 250.6)	145.9 (92.6 - 213.4)	172.8 (110.9 - 252.9)	0.8 (0.6 - 0.9)	1.0 (0.7 - 1.5)	1.0 (0.7 - 1.5)	1.1 (0.7 - 1.6)	1.0 (0.7 - 1.5)	1.1 (0.7 - 1.6)
Breast cancer	686.2 (630.2 - 734.2)	1261.7 (940.2 - 1629.4)	1275.4 (951.1 - 1644.4)	1104.0 (830.9 - 1410.2)	1261.9 (940.3 - 1629.6)	1115.2 (838.5 - 1422.6)	7.9 (7.3 - 8.5)	8.1 (6.4 - 10.1)	8.1 (6.4 - 10.1)	6.3 (5.0 - 7.9)	8.1 (6.4 - 10.1)	6.3 (5.0 - 7.9)
Cervical cancer	299.7 (274.3 - 324.8)	429.6 (364.5 - 498.4)	434.3 (367.9 - 504.6)	453.6 (379.8 - 532.0)	429.6 (364.5 - 498.4)	457.8 (382.7 - 538.1)	3.4 (3.1 - 3.7)	3.0 (2.5 - 3.7)	3.0 (2.5 - 3.7)	2.9 (2.4 - 3.6)	3.0 (2.5 - 3.7)	2.9 (2.4 - 3.6)
Uterine cancer	99.5 (88.7 - 108.6)	171.6 (150.5 - 192.3)	173.0 (151.7 - 194.0)	125.4 (107.9 - 143.1)	171.6 (150.5 - 192.3)	126.3 (108.5 - 144.2)	1.1 (1.0 - 1.2)	1.0 (0.9 - 1.2)	1.0 (0.9 - 1.2)	0.7 (0.6 - 0.8)	1.0 (0.9 - 1.2)	0.7 (0.6 - 0.8)
Ovarian cancer	190.6 (170.3 - 206.9)	398.0 (300.9 - 509.9)	401.0 (303.7 - 513.3)	401.1 (305.4 - 511.8)	398.0 (300.9 - 509.9)	403.5 (307.2 - 514.2)	2.2 (1.9 - 2.4)	2.6 (2.1 - 3.2)	2.6 (2.0 - 3.2)	2.3 (1.9 - 2.9)	2.6 (2.1 - 3.2)	2.3 (1.8 - 2.9)
Prostate cancer	440.4 (387.1 - 473.6)	1095.1 (833.6 - 1416.9)	1119.2 (850.5 - 1450.3)	1417.0 (1088.0 - 1825.4)	1095.7 (834.0 - 1417.8)	1445.1 (1106.5 - 1868.4)	5.3 (4.6 - 5.7)	5.6 (4.5 - 6.8)	5.6 (4.5 - 6.9)	5.8 (4.6 - 7.1)	5.6 (4.5 - 6.8)	5.8 (4.6 - 7.1)
Testicular cancer	11.5 (10.8 - 12.3)	17.3 (12.8 - 22.5)	17.5 (12.9 - 22.7)	19.9 (15.0 - 25.8)	17.3 (12.8 - 22.5)	20.1 (15.2 - 26.0)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.2 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.2 (0.1 - 0.2)
Kidney cancer	164.5 (152.3 - 174.1)	324.0 (231.6 - 430.0)	327.0 (233.8 - 434.0)	282.2 (203.1 - 371.2)	324.0 (231.6 - 430.1)	284.5 (204.9 - 374.2)	1.9 (1.8 - 2.0)	1.9 (1.5 - 2.5)	1.9 (1.5 - 2.5)	1.4 (1.1 - 1.8)	1.9 (1.5 - 2.5)	1.4 (1.1 - 1.8)
Bladder cancer	225.0 (204.3 - 245.3)	444.6 (365.7 - 537.4)	452.3 (371.7 - 547.0)	442.5 (368.2 - 526.9)	444.7 (365.8 - 537.7)	448.8 (373.2 - 535.3)	2.7 (2.4 - 2.9)	2.3 (2.1 - 2.7)	2.3 (2.1 - 2.7)	1.8 (1.6 - 2.1)	2.3 (2.1 - 2.7)	1.8 (1.6 - 2.1)
Brain and central nervous system cancer	264.8 (230.1 - 301.0)	565.4 (485.8 - 646.9)	569.5 (488.9 - 652.3)	652.9 (552.5 - 745.2)	565.5 (485.9 - 647.0)	656.3 (554.7 - 749.2)	3.1 (2.6 - 3.5)	3.9 (3.3 - 4.4)	3.9 (3.3 - 4.4)	4.0 (3.4 - 4.5)	3.9 (3.3 - 4.4)	4.0 (3.3 - 4.5)
Eye cancer	10.5 (8.3 - 12.5)	17.9 (13.5 - 22.4)	18.2 (13.7 - 22.9)	20.5 (15.4 - 25.4)	17.9 (13.5 - 22.4)	20.9 (15.6 - 26.0)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)
Neuroblastoma and other peripheral nervous cell tumors	5.2 (4.3 - 6.0)	5.8 (4.0 - 8.1)	5.9 (4.0 - 8.2)	6.6 (4.6 - 9.1)	5.8 (4.0 - 8.1)	6.7 (4.6 - 9.2)	0.1 (0.1 - 0.1)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.1)	0.1 (0.0 - 0.1)

Thyroid cancer	45.8 (40.9 - 49.8)	91.1 (74.8 - 107.6)	92.4 (76.1 - 109.0)	94.3 (78.5 - 110.3)	91.1 (74.9 - 107.6)	95.4 (79.4 - 111.7)	0.5 (0.5 - 0.6)	0.5 (0.5 - 0.6)	0.5 (0.5 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.5 - 0.6)	0.5 (0.4 - 0.6)
Mesothelioma	30.2 (27.6 - 32.5)	54.3 (46.2 - 63.5)	54.8 (46.6 - 64.1)	63.9 (54.3 - 74.3)	54.3 (46.2 - 63.5)	64.4 (54.7 - 75.0)	0.4 (0.3 - 0.4)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.4)
Hodgkin lymphoma	28.4 (21.1 - 37.6)	36.6 (25.2 - 47.3)	37.0 (25.4 - 47.8)	40.9 (28.2 - 52.8)	36.6 (25.2 - 47.3)	41.3 (28.4 - 53.4)	0.3 (0.3 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)
Non-Hodgkin lymphoma	272.0 (249.2 - 294.1)	503.8 (392.4 - 629.5)	510.0 (397.5 - 636.8)	562.2 (439.5 - 698.3)	504.0 (392.5 - 629.7)	568.0 (444.4 - 705.0)	3.2 (2.9 - 3.4)	3.2 (2.6 - 3.8)	3.2 (2.6 - 3.8)	3.0 (2.5 - 3.7)	3.2 (2.6 - 3.8)	3.0 (2.5 - 3.7)
Multiple myeloma	119.0 (104.3 - 129.8)	237.0 (198.6 - 276.3)	239.2 (200.4 - 278.8)	258.2 (216.7 - 299.4)	237.0 (198.6 - 276.3)	260.2 (218.2 - 301.5)	1.4 (1.2 - 1.5)	1.4 (1.2 - 1.5)	1.3 (1.2 - 1.5)	1.3 (1.1 - 1.4)	1.4 (1.2 - 1.5)	1.3 (1.1 - 1.4)
Leukemia	323.3 (278.8 - 356.3)	510.2 (410.0 - 620.2)	515.4 (414.2 - 626.0)	495.4 (401.4 - 598.9)	510.4 (410.1 - 620.4)	499.8 (405.1 - 604.6)	3.9 (3.3 - 4.3)	3.4 (2.8 - 4.0)	3.4 (2.8 - 4.0)	2.9 (2.4 - 3.5)	3.4 (2.8 - 4.0)	2.9 (2.4 - 3.5)
Other malignant neoplasms	225.0 (201.5 - 247.2)	365.9 (322.0 - 404.1)	371.0 (325.5 - 409.8)	439.1 (385.7 - 488.1)	366.0 (322.1 - 404.3)	444.2 (390.4 - 494.1)	2.7 (2.4 - 2.9)	2.3 (2.0 - 2.6)	2.3 (2.0 - 2.6)	2.4 (2.0 - 2.6)	2.3 (2.0 - 2.6)	2.4 (2.0 - 2.6)
Other neoplasms	56.4 (48.3 - 68.5)	116.3 (91.5 - 146.5)	117.2 (92.1 - 147.8)	147.3 (114.6 - 187.0)	116.4 (91.5 - 146.6)	148.2 (115.2 - 188.7)	0.7 (0.6 - 0.8)	0.6 (0.5 - 0.7)	0.6 (0.5 - 0.7)	0.6 (0.5 - 0.8)	0.6 (0.5 - 0.7)	0.6 (0.5 - 0.7)
<b>Cardiovascular diseases</b>	<b>19228.9 (17501.1 - 20548.0)</b>	<b>27065.7 (21794.1 - 33578.8)</b>	<b>26784.4 (21499.5 - 33315.0)</b>	<b>12861.7 (10237.6 - 15598.1)</b>	<b>27081.9 (21806.3 - 33597.2)</b>	<b>12884.4 (10215.1 - 15682.3)</b>	<b>230.6 (210.6 - 246.6)</b>	<b>146.3 (107.7 - 198.2)</b>	<b>141.2 (104.0 - 191.5)</b>	<b>50.7 (39.8 - 66.0)</b>	<b>146.2 (107.7 - 198.2)</b>	<b>49.5 (38.9 - 64.4)</b>
Rheumatic heart disease	369.2 (316.6 - 448.1)	399.2 (287.4 - 555.0)	411.6 (295.0 - 573.7)	534.3 (372.6 - 757.8)	399.4 (287.6 - 555.3)	548.6 (381.2 - 783.8)	4.4 (3.8 - 5.2)	2.4 (1.6 - 3.5)	2.4 (1.6 - 3.6)	2.6 (1.7 - 3.9)	2.4 (1.6 - 3.5)	2.6 (1.7 - 3.9)
Ischemic heart disease	8860.4 (8040.3 - 9479.5)	10582.0 (7525.2 - 14356.1)	10380.1 (7351.5 - 14101.3)	1895.2 (1316.1 - 2677.9)	10588.2 (7529.5 - 14363.6)	1860.7 (1286.2 - 2638.2)	106.1 (97.1 - 112.9)	57.7 (37.5 - 86.1)	55.2 (35.8 - 82.5)	7.1 (4.6 - 10.6)	57.6 (37.4 - 86.0)	6.8 (4.4 - 10.1)
Stroke	7159.0 (6473.9 - 7733.3)	9170.3 (7655.4 - 10768.4)	8907.0 (7405.4 - 10485.1)	4143.2 (3261.4 - 5050.0)	9175.5 (7660.6 - 10773.7)	4041.1 (3166.1 - 4936.0)	85.3 (77.2 - 92.0)	49.7 (38.5 - 63.4)	47.0 (36.4 - 60.1)	16.3 (12.5 - 21.3)	49.7 (38.5 - 63.4)	15.5 (11.8 - 20.2)
Hypertensive heart disease	1355.4 (1132.7 - 1515.8)	3575.5 (2678.5 - 4728.1)	3667.8 (2738.6 - 4873.2)	2411.0 (1718.9 - 3328.1)	3577.9 (2680.6 - 4730.8)	2473.9 (1756.9 - 3429.0)	16.5 (13.8 - 18.4)	19.1 (13.2 - 27.5)	19.2 (13.3 - 27.6)	9.4 (6.4 - 13.8)	19.1 (13.2 - 27.4)	9.4 (6.4 - 13.9)
Non-rheumatic valvular heart disease	185.1 (156.2 - 201.5)	458.5 (371.2 - 516.8)	464.7 (375.7 - 523.7)	647.9 (509.4 - 737.5)	458.6 (371.3 - 517.0)	655.2 (514.4 - 746.6)	2.4 (2.0 - 2.6)	2.2 (1.9 - 2.6)	2.2 (1.8 - 2.5)	2.2 (1.9 - 2.5)	2.2 (1.9 - 2.6)	2.2 (1.9 - 2.4)
Cardiomyopathy and myocarditis	403.4 (362.7 - 434.3)	638.4 (552.0 - 726.8)	652.7 (563.8 - 742.5)	860.7 (739.5 - 967.2)	638.8 (552.4 - 727.4)	878.9 (752.5 - 988.9)	4.9 (4.4 - 5.2)	3.9 (3.5 - 4.3)	3.9 (3.5 - 4.3)	4.2 (3.8 - 4.6)	3.9 (3.5 - 4.3)	4.2 (3.8 - 4.6)
Pulmonary Arterial Hypertension	22.6 (18.6 - 26.1)	64.7 (41.1 - 100.9)	66.1 (41.9 - 103.1)	90.0 (57.2 - 139.4)	64.8 (41.1 - 101.0)	91.6 (58.1 - 141.8)	0.3 (0.2 - 0.3)	0.4 (0.3 - 0.5)	0.4 (0.3 - 0.5)	0.4 (0.3 - 0.6)	0.4 (0.3 - 0.5)	0.4 (0.3 - 0.6)
Atrial fibrillation and flutter	346.3 (291.9 - 378.3)	1147.4 (917.7 - 1379.8)	1186.1 (944.9 - 1422.6)	1154.9 (889.2 - 1366.7)	1148.6 (918.5 - 1381.6)	1191.0 (912.1 - 1407.0)	4.5 (3.7 - 4.9)	5.2 (4.4 - 5.8)	5.2 (4.4 - 5.8)	3.6 (3.0 - 3.9)	5.2 (4.4 - 5.8)	3.5 (2.9 - 3.9)
Aortic aneurysm	155.8 (139.8 - 168.4)	265.1 (210.3 - 327.8)	269.4 (214.2 - 333.3)	206.7 (165.5 - 253.8)	265.2 (210.3 - 327.9)	209.9 (168.0 - 257.4)	1.9 (1.7 - 2.0)	1.4 (1.2 - 1.7)	1.4 (1.2 - 1.7)	0.8 (0.7 - 1.0)	1.4 (1.2 - 1.7)	0.8 (0.7 - 1.0)
Lower extremity peripheral arterial disease	69.0 (60.0 - 75.7)	176.6 (130.8 - 231.0)	180.0 (132.9 - 236.0)	130.0 (95.0 - 169.2)	176.7 (130.8 - 231.2)	132.4 (96.5 - 172.5)	0.9 (0.7 - 0.9)	0.9 (0.7 - 1.0)	0.8 (0.7 - 1.0)	0.4 (0.4 - 0.5)	0.9 (0.7 - 1.0)	0.4 (0.3 - 0.5)
Endocarditis	80.1 (69.5 - 89.3)	208.6 (160.3 - 262.0)	211.8 (162.4 - 266.3)	273.9 (204.4 - 351.4)	208.7 (160.4 - 262.1)	277.7 (206.7 - 356.7)	1.0 (0.9 - 1.1)	1.2 (0.9 - 1.7)	1.2 (0.9 - 1.6)	1.3 (0.9 - 1.7)	1.2 (0.9 - 1.7)	1.3 (0.9 - 1.7)
Other cardiovascular and circulatory diseases	222.7 (201.2 - 242.5)	379.4 (327.3 - 426.3)	387.2 (333.1 - 436.2)	514.0 (431.6 - 584.0)	379.6 (327.5 - 426.5)	523.6 (438.7 - 596.8)	2.7 (2.4 - 2.9)	2.2 (1.8 - 2.6)	2.2 (1.8 - 2.6)	2.4 (2.0 - 2.8)	2.2 (1.8 - 2.6)	2.4 (2.0 - 2.8)
<b>Chronic respiratory diseases</b>	<b>4392.9 (3930.6 - 4828.8)</b>	<b>8381.9 (6839.0 - 10109.2)</b>	<b>8085.5 (6568.4 - 9779.8)</b>	<b>8696.7 (6834.1 - 10937.5)</b>	<b>8388.8 (6843.6 - 10116.1)</b>	<b>8362.4 (6535.6 - 10566.5)</b>	<b>52.7 (47.6 - 57.7)</b>	<b>43.5 (33.5 - 57.5)</b>	<b>40.9 (31.4 - 54.0)</b>	<b>35.2 (26.9 - 47.1)</b>	<b>43.4 (33.4 - 57.5)</b>	<b>33.0 (25.3 - 44.2)</b>
Chronic obstructive pulmonary disease	3705.6 (3327.7 - 4072.5)	7443.7 (6037.1 - 9054.7)	7122.9 (5745.4 - 8696.5)	7650.6 (5954.3 - 9782.1)	7450.1 (6041.3 - 9061.6)	7291.2 (5641.4 - 9374.1)	44.5 (40.3 - 48.8)	38.0 (28.7 - 51.3)	35.4 (26.7 - 48.0)	30.3 (22.6 - 41.6)	38.0 (28.7 - 51.3)	28.1 (20.9 - 38.6)
Pneumoconiosis	18.1 (16.0 - 20.8)	20.0 (17.0 - 23.7)	20.5 (17.2 - 24.3)	25.4 (21.4 - 30.1)	20.0 (17.0 - 23.7)	25.8 (21.7 - 30.8)	0.2 (0.2 - 0.2)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.1)
Asthma	429.8 (351.8 - 557.2)	413.7 (321.3 - 538.8)	427.9 (329.9 - 560.8)	406.0 (308.6 - 540.1)	414.0 (321.5 - 539.1)	419.8 (316.8 - 563.3)	5.0 (4.1 - 6.4)	2.4 (1.8 - 3.3)	2.5 (1.8 - 3.4)	2.0 (1.5 - 2.7)	2.4 (1.8 - 3.3)	2.0 (1.5 - 2.7)
Interstitial lung disease and pulmonary sarcoidosis	193.4 (163.4 - 222.2)	429.0 (349.3 - 522.5)	437.1 (354.7 - 532.3)	524.1 (424.7 - 627.6)	429.1 (349.4 - 522.7)	533.0 (432.0 - 640.7)	2.3 (2.0 - 2.6)	2.3 (1.9 - 2.8)	2.3 (1.9 - 2.8)	2.3 (1.9 - 2.8)	2.3 (1.9 - 2.8)	2.3 (1.8 - 2.8)
Other chronic respiratory diseases	46.0 (35.9 - 58.5)	75.5 (53.8 - 102.7)	77.1 (55.0 - 105.0)	90.7 (65.6 - 121.1)	75.6 (53.9 - 102.8)	92.6 (66.8 - 123.7)	0.5 (0.4 - 0.7)	0.5 (0.4 - 0.7)	0.5 (0.4 - 0.7)	0.5 (0.4 - 0.7)	0.5 (0.4 - 0.7)	0.5 (0.4 - 0.7)
<b>Digestive diseases</b>	<b>2540.6 (2315.5 - 2798.4)</b>	<b>4258.2 (3674.7 - 4882.9)</b>	<b>4335.8 (3732.3 - 4985.8)</b>	<b>5092.9 (4299.0 - 5940.0)</b>	<b>4260.3 (3676.5 - 4885.0)</b>	<b>5180.8 (4361.4 - 6062.2)</b>	<b>29.9 (27.4 - 32.8)</b>	<b>26.9 (22.2 - 32.9)</b>	<b>26.9 (22.2 - 33.0)</b>	<b>27.2 (22.4 - 33.3)</b>	<b>26.9 (22.2 - 32.9)</b>	<b>27.2 (22.4 - 33.4)</b>
Cirrhosis and other chronic liver diseases	1439.3 (1307.6 - 1601.0)	2165.2 (1855.6 - 2520.7)	2197.0 (1880.7 - 2563.6)	2553.7 (2161.2 - 3011.5)	2165.9 (1856.3 - 2521.5)	2588.2 (2187.1 - 3059.6)	16.5 (15.1 - 18.2)	15.0 (12.4 - 18.2)	15.0 (12.5 - 18.3)	15.7 (13.0 - 19.1)	15.0 (12.4 - 18.2)	15.7 (13.0 - 19.2)
Upper digestive system diseases	271.3 (236.1 - 315.6)	350.5 (284.2 - 424.3)	360.8 (290.9 - 437.7)	432.0 (339.7 - 529.2)	350.8 (284.4 - 424.6)	443.7 (346.8 - 547.5)	3.2 (2.8 - 3.7)	2.0 (1.5 - 2.6)	2.0 (1.6 - 2.6)	2.0 (1.5 - 2.6)	2.0 (1.5 - 2.6)	2.0 (1.5 - 2.6)
Appendicitis	29.2 (25.1 - 33.5)	31.7 (22.7 - 43.7)	32.5 (23.2 - 44.7)	38.9 (27.1 - 54.9)	31.7 (22.7 - 43.7)	39.8 (27.6 - 56.4)	0.4 (0.3 - 0.4)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)
Paralytic ileus and intestinal obstruction	236.6 (207.4 - 266.6)	514.9 (422.4 - 614.2)	527.2 (430.6 - 630.5)	655.7 (520.0 - 802.3)	515.3 (422.6 - 614.7)	671.0 (529.8 - 822.8)	2.9 (2.6 - 3.3)	3.1 (2.4 - 3.9)	3.1 (2.4 - 3.9)	3.2 (2.4 - 4.0)	3.1 (2.4 - 3.9)	3.2 (2.4 - 4.0)
Inguinal, femoral, and abdominal hernia	48.2 (42.2 - 56.4)	84.2 (72.0 - 100.0)	86.9 (74.0 - 103.1)	112.6 (92.6 - 135.0)	84.3 (72.0 - 100.1)	116.2 (95.0 - 139.9)	0.6 (0.5 - 0.7)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)
Inflammatory bowel disease	42.9 (37.9 - 48.0)	75.9 (63.8 - 88.5)	77.2 (64.7 - 90.2)	100.3 (81.6 - 117.5)	76.0 (63.8 - 88.5)	101.8 (82.6 - 119.5)	0.5 (0.5 - 0.6)	0.4 (0.3 - 0.5)	0.4 (0.3 - 0.5)	0.4 (0.4 - 0.5)	0.4 (0.3 - 0.5)	0.4 (0.4 - 0.5)
Vascular intestinal disorders	92.7 (81.7 - 101.2)	179.5 (146.3 - 215.0)	181.8 (148.0 - 217.9)	235.2 (191.3 - 277.5)	179.5 (146.3 - 215.1)	237.9 (193.1 - 281.7)	1.1 (1.0 - 1.2)	0.9 (0.8 - 1.1)	0.9 (0.8 - 1.1)	0.9 (0.8 - 1.1)	0.9 (0.8 - 1.1)	0.9 (0.8 - 1.1)
Gallbladder and biliary diseases	132.9 (115.6 - 163.2)	287.5 (230.3 - 368.5)	293.5 (234.2 - 377.8)	228.7 (178.0 - 308.9)	287.7 (230.4 - 368.8)	233.7 (181.0 - 317.2)	1.6 (1.4 - 2.0)	1.5 (1.1 - 2.0)	1.5 (1.1 - 2.0)	0.9 (0.7 - 1.2)	1.5 (1.1 - 2.0)	0.9 (0.7 - 1.2)
Pancreatitis	123.4 (110.1 - 144.2)	205.5 (168.7 - 248.6)	208.3 (170.6 - 252.1)	247.7 (200.2 - 303.0)	205.6 (168.7 - 248.7)	250.6 (202.1 - 307.0)	1.4 (1.3 - 1.7)	1.4 (1.1 - 1.7)	1.4 (1.1 - 1.7)	1.4 (1.1 - 1.8)	1.4 (1.1 - 1.7)	1.4 (1.1 - 1.8)
Other digestive diseases	124.1 (106.7 - 141.2)	363.1 (290.0 - 435.1)	370.7 (294.8 - 445.7)	488.0 (376.2 - 606.1)	363.4 (290.2 - 435.4)	498.0 (382.3 - 621.0)	1.5 (1.3 - 1.7)	1.9 (1.5 - 2.6)	1.9 (1.5 - 2.6)	2.0 (1.5 - 2.6)	1.9 (1.5 - 2.6)	2.0 (1.5 - 2.6)

<b>Neurological disorders</b>	<b>2656.9 (1207.8 - 5881.4)</b>	<b>6855.4 (2842.8 - 15317.5)</b>	<b>7040.7 (2918.5 - 15710.1)</b>	<b>8094.9 (3615.9 - 17274.2)</b>	<b>6861.0 (2845.0 - 15327.4)</b>	<b>8293.8 (3706.0 - 17673.9)</b>	<b>33.9 (15.0 - 75.9)</b>	<b>33.0 (14.5 - 74.4)</b>	<b>32.9 (14.5 - 74.1)</b>	<b>28.4 (13.7 - 61.6)</b>	<b>33.0 (14.5 - 74.4)</b>	<b>28.2 (13.7 - 61.3)</b>
Alzheimer's disease and other dementias	1992.1 (500.4 - 5231.7)	5457.2 (1359.3 - 14027.4)	5615.3 (1402.1 - 14397.4)	6272.7 (1644.8 - 15620.2)	5462.1 (1360.5 - 14036.8)	6440.8 (1692.4 - 15995.7)	25.8 (6.4 - 68.0)	25.0 (6.1 - 66.8)	24.9 (6.1 - 66.5)	20.0 (4.9 - 53.6)	25.0 (6.1 - 66.8)	19.9 (4.9 - 53.3)
Parkinson's disease	395.6 (349.2 - 428.6)	982.8 (848.2 - 1114.5)	1004.9 (866.1 - 1138.0)	1349.0 (1148.3 - 1509.5)	983.3 (848.5 - 1115.1)	1374.0 (1166.3 - 1538.8)	4.8 (4.3 - 5.2)	4.9 (4.3 - 5.4)	4.9 (4.3 - 5.4)	5.3 (4.7 - 5.8)	4.9 (4.3 - 5.4)	5.3 (4.6 - 5.8)
Idiopathic epilepsy	140.9 (116.2 - 156.0)	231.8 (163.8 - 312.3)	236.0 (166.6 - 318.5)	263.2 (184.4 - 358.2)	232.0 (163.9 - 312.6)	268.2 (187.6 - 365.8)	1.7 (1.4 - 1.9)	1.9 (1.2 - 2.8)	1.9 (1.2 - 2.8)	1.9 (1.2 - 2.8)	1.9 (1.2 - 2.8)	1.9 (1.2 - 2.8)
Multiple sclerosis	16.4 (15.4 - 17.3)	20.2 (18.0 - 22.5)	20.2 (18.1 - 22.5)	20.8 (18.3 - 23.1)	20.2 (18.0 - 22.5)	20.8 (18.4 - 23.2)	0.2 (0.2 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.1)
Motor neuron disease	39.6 (35.9 - 43.1)	50.9 (44.4 - 58.1)	51.0 (44.5 - 58.2)	55.4 (48.3 - 63.4)	50.9 (44.4 - 58.1)	55.5 (48.4 - 63.5)	0.5 (0.4 - 0.5)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.3)	0.3 (0.3 - 0.4)	0.3 (0.3 - 0.3)
Other neurological disorders	72.2 (65.4 - 77.4)	112.6 (87.8 - 141.7)	113.2 (88.3 - 142.6)	133.7 (104.8 - 167.2)	112.6 (87.9 - 141.8)	134.5 (105.3 - 168.3)	0.9 (0.8 - 0.9)	0.8 (0.6 - 0.9)	0.8 (0.6 - 0.9)	0.8 (0.6 - 0.9)	0.8 (0.6 - 0.9)	0.8 (0.6 - 0.9)
<b>Mental disorders</b>	<b>0.2 (0.2 - 0.3)</b>	<b>0.3 (0.2 - 0.4)</b>	<b>0.3 (0.2 - 0.4)</b>	<b>0.3 (0.2 - 0.4)</b>	<b>0.3 (0.2 - 0.4)</b>	<b>0.3 (0.2 - 0.4)</b>	<b>0.0 (0.0 - 0.0)</b>	<b>0.0 (0.0 - 0.0)</b>	<b>0.0 (0.0 - 0.0)</b>	<b>0.0 (0.0 - 0.0)</b>	<b>0.0 (0.0 - 0.0)</b>	<b>0.0 (0.0 - 0.0)</b>
Eating disorders	0.2 (0.2 - 0.3)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.3 (0.2 - 0.4)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)	0.0 (0.0 - 0.0)
<b>Substance use disorders</b>	<b>299.9 (277.9 - 321.2)</b>	<b>440.4 (383.2 - 499.5)</b>	<b>442.9 (385.3 - 502.5)</b>	<b>472.3 (410.4 - 540.2)</b>	<b>440.5 (383.2 - 499.6)</b>	<b>474.8 (412.4 - 543.2)</b>	<b>3.5 (3.2 - 3.7)</b>	<b>3.8 (3.3 - 4.4)</b>	<b>3.8 (3.3 - 4.4)</b>	<b>3.8 (3.3 - 4.4)</b>	<b>3.8 (3.3 - 4.4)</b>	<b>3.8 (3.3 - 4.4)</b>
Alcohol use disorders	160.0 (136.3 - 175.3)	201.5 (155.3 - 251.2)	202.8 (156.2 - 252.9)	219.0 (167.4 - 274.6)	201.5 (155.3 - 251.2)	220.2 (168.2 - 276.2)	1.8 (1.5 - 2.0)	1.6 (1.2 - 2.0)	1.6 (1.2 - 2.0)	1.7 (1.3 - 2.1)	1.6 (1.2 - 2.0)	1.7 (1.3 - 2.1)
Drug use disorders	139.9 (130.1 - 150.3)	238.9 (215.6 - 268.0)	240.1 (216.7 - 269.3)	253.3 (228.7 - 284.0)	239.0 (215.6 - 268.0)	254.6 (229.8 - 285.8)	1.7 (1.5 - 1.8)	2.1 (1.9 - 2.4)	2.1 (1.9 - 2.4)	2.1 (1.9 - 2.4)	2.1 (1.9 - 2.4)	2.1 (1.9 - 2.4)
<b>Diabetes and kidney diseases</b>	<b>3257.0 (2993.4 - 3473.2)</b>	<b>7367.5 (5912.9 - 8992.9)</b>	<b>7423.5 (5941.2 - 9109.4)</b>	<b>1059.9 (800.6 - 1371.8)</b>	<b>7370.7 (5916.0 - 8996.1)</b>	<b>1077.5 (811.1 - 1398.3)</b>	<b>38.5 (35.4 - 41.0)</b>	<b>41.6 (31.0 - 55.7)</b>	<b>41.1 (30.6 - 55.0)</b>	<b>5.2 (3.7 - 7.3)</b>	<b>41.6 (31.0 - 55.7)</b>	<b>5.2 (3.7 - 7.3)</b>
Diabetes mellitus	1676.1 (1544.7 - 1796.9)	2940.3 (2374.5 - 3595.0)	2912.5 (2342.7 - 3581.0)	18.8 (14.8 - 24.3)	2941.4 (2375.6 - 3596.1)	19.0 (14.9 - 24.5)	19.6 (18.0 - 20.8)	16.7 (12.6 - 22.1)	16.2 (12.2 - 21.5)	0.2 (0.1 - 0.3)	16.7 (12.6 - 22.0)	0.2 (0.2 - 0.3)
Chronic kidney disease	1570.2 (1428.2 - 1689.4)	4409.9 (3496.1 - 5424.1)	4493.4 (3551.4 - 5536.2)	1016.7 (767.1 - 1311.5)	4411.9 (3497.6 - 5426.4)	1033.7 (777.9 - 1337.3)	18.8 (17.1 - 20.2)	24.8 (18.3 - 33.6)	24.8 (18.3 - 33.5)	4.9 (3.5 - 6.9)	24.8 (18.3 - 33.6)	4.9 (3.5 - 6.8)
Acute glomerulonephritis	10.7 (7.5 - 13.9)	17.3 (10.7 - 26.0)	17.6 (10.9 - 26.5)	24.4 (15.0 - 37.3)	17.3 (10.8 - 26.0)	24.8 (15.2 - 38.0)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)
<b>Skin and subcutaneous diseases</b>	<b>121.4 (110.5 - 129.3)</b>	<b>382.3 (322.4 - 443.0)</b>	<b>391.6 (328.7 - 453.9)</b>	<b>499.5 (404.9 - 600.6)</b>	<b>382.6 (322.6 - 443.3)</b>	<b>511.7 (412.4 - 617.2)</b>	<b>1.5 (1.4 - 1.6)</b>	<b>2.1 (1.7 - 2.7)</b>	<b>2.1 (1.7 - 2.7)</b>	<b>2.1 (1.8 - 2.8)</b>	<b>2.1 (1.7 - 2.7)</b>	<b>2.1 (1.8 - 2.8)</b>
Bacterial skin diseases	76.8 (67.5 - 86.5)	276.1 (203.9 - 363.1)	282.0 (207.4 - 371.9)	355.0 (254.3 - 487.0)	276.3 (204.0 - 363.4)	362.7 (258.7 - 499.6)	0.9 (0.8 - 1.1)	1.5 (1.1 - 2.3)	1.5 (1.1 - 2.3)	1.6 (1.1 - 2.3)	1.5 (1.1 - 2.3)	1.6 (1.1 - 2.3)
Decubitus ulcer	37.5 (28.6 - 42.8)	94.4 (61.1 - 133.6)	97.4 (63.1 - 138.0)	129.8 (85.1 - 181.4)	94.4 (61.1 - 133.7)	133.9 (87.6 - 186.9)	0.5 (0.4 - 0.5)	0.5 (0.3 - 0.6)	0.5 (0.3 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.3 - 0.6)	0.5 (0.4 - 0.6)
Other skin and subcutaneous diseases	7.0 (5.7 - 12.5)	11.8 (7.9 - 24.5)	12.1 (8.1 - 25.2)	14.7 (9.8 - 30.4)	11.8 (7.9 - 24.5)	15.1 (10.0 - 31.4)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)
<b>Musculoskeletal disorders</b>	<b>120.7 (103.5 - 131.7)</b>	<b>280.7 (209.0 - 357.0)</b>	<b>287.4 (213.6 - 365.3)</b>	<b>348.8 (260.4 - 438.7)</b>	<b>280.8 (209.1 - 357.2)</b>	<b>356.3 (265.4 - 447.1)</b>	<b>1.5 (1.2 - 1.6)</b>	<b>1.6 (1.3 - 1.9)</b>	<b>1.6 (1.3 - 1.9)</b>	<b>1.6 (1.3 - 1.9)</b>	<b>1.6 (1.3 - 1.9)</b>	<b>1.6 (1.3 - 1.9)</b>
Rheumatoid arthritis	38.3 (31.4 - 44.3)	97.8 (75.6 - 118.1)	99.9 (77.2 - 121.1)	119.6 (92.7 - 145.3)	97.8 (75.6 - 118.2)	121.9 (94.6 - 148.5)	0.5 (0.4 - 0.5)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)	0.5 (0.4 - 0.6)
Other musculoskeletal disorders	82.4 (71.9 - 91.3)	182.9 (123.8 - 250.4)	187.5 (126.9 - 256.8)	229.2 (158.4 - 309.1)	183.0 (123.8 - 250.5)	234.4 (161.8 - 316.0)	1.0 (0.9 - 1.1)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)
<b>Other non-communicable diseases</b>	<b>1203.8 (1096.2 - 1338.0)</b>	<b>2037.0 (1798.1 - 2251.5)</b>	<b>2074.0 (1826.3 - 2296.2)</b>	<b>2534.9 (2144.7 - 2862.1)</b>	<b>2040.2 (1800.6 - 2255.0)</b>	<b>2582.3 (2177.6 - 2924.2)</b>	<b>16.6 (15.1 - 18.5)</b>	<b>15.6 (13.5 - 18.2)</b>	<b>15.6 (13.5 - 18.2)</b>	<b>15.7 (13.6 - 18.4)</b>	<b>15.6 (13.5 - 18.2)</b>	<b>15.8 (13.6 - 18.4)</b>
Congenital birth defects	523.2 (445.4 - 635.3)	338.2 (269.6 - 446.4)	339.6 (270.5 - 448.3)	339.7 (271.0 - 447.9)	340.2 (270.9 - 448.9)	342.5 (272.9 - 451.6)	8.1 (6.9 - 9.8)	5.6 (4.6 - 7.0)	5.6 (4.6 - 7.1)	5.6 (4.6 - 7.0)	5.6 (4.6 - 7.1)	5.6 (4.6 - 7.1)
Urinary diseases and male infertility	373.2 (336.0 - 401.1)	1133.1 (970.5 - 1256.9)	1161.5 (989.4 - 1289.6)	1495.0 (1228.1 - 1700.8)	1133.7 (971.0 - 1257.7)	1530.6 (1251.8 - 1744.7)	4.6 (4.1 - 4.9)	6.1 (5.0 - 7.3)	6.1 (5.0 - 7.3)	6.1 (5.0 - 7.4)	6.1 (5.0 - 7.3)	6.1 (5.0 - 7.4)
Gynecological diseases	9.1 (6.4 - 10.6)	15.9 (10.6 - 20.1)	16.3 (10.9 - 20.6)	18.5 (12.3 - 23.5)	15.9 (10.7 - 20.1)	19.0 (12.5 - 24.0)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.2)	0.1 (0.1 - 0.1)	0.1 (0.1 - 0.2)
Hemoglobinopathies and hemolytic anemias	88.9 (67.7 - 112.5)	127.7 (95.5 - 165.9)	129.4 (96.6 - 168.7)	145.4 (108.9 - 188.0)	127.8 (95.6 - 166.1)	147.5 (110.3 - 191.6)	1.1 (0.9 - 1.5)	1.1 (0.8 - 1.5)	1.1 (0.8 - 1.5)	1.2 (0.8 - 1.5)	1.1 (0.8 - 1.5)	1.2 (0.8 - 1.5)
Endocrine, metabolic, blood, and immune disorders	179.6 (156.3 - 194.4)	408.8 (344.3 - 454.3)	413.9 (347.9 - 460.4)	523.0 (426.2 - 593.0)	409.1 (344.5 - 454.6)	529.3 (430.3 - 601.1)	2.2 (1.9 - 2.4)	2.5 (2.0 - 2.9)	2.5 (2.0 - 2.9)	2.5 (2.1 - 2.9)	2.5 (2.0 - 2.9)	2.5 (2.1 - 2.9)
Sudden infant death syndrome	29.9 (17.5 - 40.9)	13.3 (7.5 - 20.0)	13.2 (7.5 - 20.0)	13.3 (7.5 - 20.0)	13.4 (7.6 - 20.2)	13.4 (7.6 - 20.2)	0.5 (0.3 - 0.7)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.3)
<b>Injuries</b>	<b>4360.8 (3997.5 - 4775.7)</b>	<b>5659.5 (4955.4 - 6461.1)</b>	<b>5738.8 (5018.5 - 6558.5)</b>	<b>6581.9 (5712.3 - 7587.9)</b>	<b>5663.3 (4958.4 - 6465.8)</b>	<b>6680.1 (5790.0 - 7697.2)</b>	<b>53.4 (48.8 - 57.8)</b>	<b>43.6 (36.7 - 53.7)</b>	<b>43.6 (36.6 - 53.7)</b>	<b>44.0 (37.0 - 54.3)</b>	<b>43.6 (36.7 - 53.8)</b>	<b>43.9 (36.9 - 54.2)</b>
<b>Transport injuries</b>	<b>1277.3 (1186.6 - 1378.9)</b>	<b>1400.2 (987.6 - 2032.9)</b>	<b>1400.8 (987.9 - 2034.3)</b>	<b>1500.1 (1053.4 - 2190.0)</b>	<b>1400.9 (988.1 - 2034.4)</b>	<b>1500.8 (1053.4 - 2192.4)</b>	<b>15.4 (14.4 - 16.5)</b>	<b>12.6 (8.5 - 19.4)</b>	<b>12.5 (8.4 - 19.3)</b>	<b>12.7 (8.5 - 19.6)</b>	<b>12.6 (8.5 - 19.4)</b>	<b>12.6 (8.5 - 19.5)</b>
Road injuries	1198.3 (1113.0 - 1297.1)	1301.4 (883.6 - 1938.5)	1301.6 (883.1 - 1939.3)	1394.0 (942.5 - 2087.0)	1302.1 (884.1 - 1940.0)	1394.1 (941.8 - 2088.6)	14.5 (13.5 - 15.5)	11.7 (7.6 - 18.6)	11.6 (7.6 - 18.5)	11.8 (7.7 - 18.7)	11.7 (7.6 - 18.6)	11.7 (7.6 - 18.6)
Other transport injuries	79.0 (72.6 - 86.5)	98.7 (87.9 - 111.7)	99.3 (88.5 - 112.3)	106.1 (95.1 - 119.5)	98.8 (88.0 - 111.8)	106.7 (95.7 - 120.0)	1.0 (0.9 - 1.0)	0.9 (0.8 - 1.0)	0.9 (0.8 - 1.0)	0.9 (0.8 - 1.0)	0.9 (0.8 - 1.0)	0.9 (0.8 - 1.0)
<b>Unintentional injuries</b>	<b>1832.1 (1570.6 - 2133.0)</b>	<b>2888.4 (2461.4 - 3263.8)</b>	<b>2965.1 (2523.8 - 3348.6)</b>	<b>3602.8 (3017.4 - 4058.3)</b>	<b>2890.9 (2463.4 - 3267.1)</b>	<b>3698.1 (3086.7 - 4166.0)</b>	<b>22.8 (19.5 - 26.5)</b>	<b>18.7 (15.5 - 22.2)</b>	<b>18.8 (15.5 - 22.3)</b>	<b>18.8 (15.6 - 22.3)</b>	<b>18.7 (15.5 - 22.2)</b>	<b>18.9 (15.6 - 22.4)</b>
Falls	811.4 (686.3 - 896.9)	1744.0 (1402.2 - 2082.2)	1805.3 (1451.5 - 2156.0)	2290.2 (1856.3 - 2707.6)	1745.3 (1403.1 - 2083.9)	2366.8 (1902.6 - 2792.7)	10.0 (8.5 - 10.9)	9.5 (7.9 - 10.5)	9.5 (8.0 - 10.6)	9.5 (8.0 - 10.6)	9.5 (7.9 - 10.5)	9.6 (8.1 - 10.7)
Drowning	270.4 (247.0 - 297.5)	219.2 (173.1 - 279.0)	220.1 (173.7 - 280.5)	241.9 (189.7 - 309.1)	219.5 (173.3 - 279.5)	242.9 (190.4 - 310.5)	3.5 (3.2 - 3.8)	2.0 (1.5 - 2.8)	2.0 (1.5 - 2.8)	2.0 (1.5 - 2.8)	2.0 (1.5 - 2.8)	2.0 (1.5 - 2.8)
Fire, heat, and hot substances	116.6 (89.0 - 134.4)	125.2 (94.6 - 145.7)	127.9 (96.7 - 149.0)	145.9 (112.3 - 169.5)	125.4 (94.7 - 145.9)	149.1 (114.9 - 173.3)	1.5 (1.1 - 1.7)	1.0 (0.7 - 1.2)	1.0 (0.7 - 1.2)	1.0 (0.7 - 1.2)	1.0 (0.7 - 1.2)	1.0 (0.7 - 1.2)

Poisonings	55.2 (37.1 - 64.4)	46.5 (29.0 - 55.2)	47.1 (29.3 - 55.8)	53.3 (32.7 - 63.0)	46.5 (29.0 - 55.2)	53.9 (33.0 - 63.8)	0.7 (0.5 - 0.8)	0.4 (0.2 - 0.4)	0.4 (0.2 - 0.5)	0.4 (0.2 - 0.5)	0.4 (0.2 - 0.4)	0.4 (0.2 - 0.5)
Exposure to mechanical forces	103.8 (78.9 - 118.6)	108.3 (77.5 - 133.9)	108.7 (77.7 - 134.6)	118.0 (84.5 - 145.6)	108.4 (77.5 - 134.0)	118.6 (84.9 - 146.5)	1.3 (1.0 - 1.4)	1.0 (0.7 - 1.3)	1.0 (0.7 - 1.2)	1.0 (0.7 - 1.3)	1.0 (0.7 - 1.3)	1.0 (0.7 - 1.3)
Adverse effects of medical treatment	123.1 (107.0 - 134.9)	178.4 (126.2 - 244.0)	182.3 (128.3 - 250.0)	211.6 (147.5 - 297.2)	178.6 (126.3 - 244.3)	216.3 (149.9 - 305.6)	1.5 (1.3 - 1.7)	1.3 (0.8 - 1.9)	1.3 (0.8 - 1.9)	1.3 (0.9 - 1.9)	1.3 (0.8 - 1.9)	1.3 (0.9 - 1.9)
Animal contact	89.4 (70.4 - 108.1)	156.9 (101.8 - 236.0)	159.4 (103.4 - 239.6)	173.9 (111.4 - 262.2)	157.0 (101.9 - 236.3)	177.0 (113.1 - 267.3)	1.1 (0.9 - 1.3)	1.3 (0.8 - 2.0)	1.3 (0.8 - 2.1)	1.3 (0.8 - 2.1)	1.3 (0.8 - 2.0)	1.3 (0.8 - 2.1)
Foreign body	106.9 (86.1 - 116.3)	160.5 (126.8 - 187.5)	163.2 (128.6 - 191.3)	201.7 (155.7 - 240.2)	160.7 (126.9 - 187.7)	205.2 (157.7 - 245.0)	1.4 (1.1 - 1.5)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.8 - 1.4)	1.1 (0.7 - 1.4)
Environmental heat and cold exposure	35.8 (23.1 - 44.2)	40.5 (20.6 - 59.6)	41.3 (20.8 - 61.0)	48.3 (24.3 - 72.0)	40.5 (20.6 - 59.6)	49.2 (24.6 - 73.6)	0.4 (0.3 - 0.5)	0.3 (0.1 - 0.4)	0.3 (0.1 - 0.4)	0.3 (0.1 - 0.4)	0.3 (0.1 - 0.4)	0.3 (0.1 - 0.4)
Exposure to forces of nature	54.9 (5.0 - 262.3)	61.0 (5.7 - 271.4)	61.6 (5.7 - 273.0)	65.6 (6.0 - 290.5)	61.1 (5.7 - 271.6)	66.2 (6.1 - 292.9)	0.7 (0.1 - 3.3)	0.6 (0.1 - 2.7)	0.6 (0.1 - 2.7)	0.6 (0.1 - 2.8)	0.6 (0.1 - 2.7)	0.6 (0.1 - 2.8)
Other unintentional injuries (internal)	64.7 (41.3 - 78.1)	47.9 (28.5 - 63.3)	48.2 (28.6 - 63.8)	52.6 (31.6 - 68.8)	48.0 (28.5 - 63.4)	53.0 (31.8 - 69.3)	0.8 (0.5 - 1.0)	0.4 (0.3 - 0.6)	0.4 (0.3 - 0.6)	0.4 (0.3 - 0.6)	0.4 (0.3 - 0.6)	0.4 (0.3 - 0.6)
<b>Self-harm and interpersonal violence</b>	<b>1251.3 (1151.8 - 1367.5)</b>	<b>1370.9 (1235.4 - 1527.9)</b>	<b>1372.9 (1236.2 - 1530.0)</b>	<b>1479.0 (1323.6 - 1677.2)</b>	<b>1371.5 (1236.0 - 1528.5)</b>	<b>1481.2 (1324.8 - 1680.8)</b>	<b>15.2 (14.0 - 16.5)</b>	<b>12.4 (11.1 - 13.8)</b>	<b>12.3 (11.0 - 13.7)</b>	<b>12.5 (11.2 - 13.9)</b>	<b>12.4 (11.1 - 13.8)</b>	<b>12.4 (11.1 - 13.9)</b>
Self-harm	749.6 (688.4 - 803.8)	877.5 (736.5 - 1015.4)	880.9 (739.0 - 1020.2)	958.7 (799.7 - 1117.8)	877.7 (736.7 - 1015.6)	962.1 (801.6 - 1122.5)	8.9 (8.3 - 9.5)	7.3 (6.0 - 8.8)	7.3 (6.0 - 8.8)	7.3 (6.1 - 8.9)	7.3 (6.0 - 8.8)	7.3 (6.0 - 8.8)
Interpersonal violence	398.0 (373.5 - 424.5)	364.5 (271.7 - 508.5)	362.5 (270.4 - 505.4)	374.4 (280.8 - 520.1)	364.8 (271.9 - 508.7)	372.6 (279.6 - 517.2)	4.9 (4.6 - 5.2)	3.7 (2.8 - 5.2)	3.7 (2.8 - 5.2)	3.7 (2.8 - 5.2)	3.7 (2.8 - 5.2)	3.7 (2.8 - 5.2)
Conflict and terrorism	90.8 (24.8 - 181.2)	106.3 (29.9 - 236.5)	106.8 (30.2 - 238.0)	122.6 (35.3 - 293.0)	106.4 (29.9 - 236.6)	123.2 (35.5 - 294.5)	1.2 (0.3 - 2.3)	1.1 (0.3 - 2.2)	1.1 (0.3 - 2.2)	1.1 (0.3 - 2.4)	1.1 (0.3 - 2.2)	1.1 (0.3 - 2.4)
Police conflict and executions	13.0 (7.8 - 23.2)	22.5 (12.5 - 41.3)	22.6 (12.5 - 41.4)	23.3 (12.8 - 42.2)	22.6 (12.5 - 41.3)	23.3 (12.9 - 42.3)	0.2 (0.1 - 0.3)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)	0.2 (0.1 - 0.4)