# THE LANCET Public Health

### 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 Tobacco Forecasting Collaborators. Forecasting the effects of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet Public Health* 2024; **9:** e729–44.

Appendix 2: supplementary results appendix to "Forecasting the impacts of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050 - a systematic analysis for the Global Burden of Disease Study 2021"

This supplement provides additional figures and tables containing more detailed results for "Forecasting the impacts of smoking prevalence scenarios on years of life lost and life expectancy from 2022 to 2050 - a systematic analysis for the Global Burden of Disease Study 2021".

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Supplementary Results Table S1. Global all-age	and age-standar	rdised prevalence of current and for Current Smoking	mer smokers by location, sex, and scenario		Former Smoking				
Location	Sex	Prevalence 2022	Current Smoking Prevalence 2050	Former Smoking Prevalence 2022	Former Smoking Prevalence 2050	Current Smokers (millions) 2022	Current Smokers (millions) 2050	Former Smokers (millions) 2022	Former Smokers (millions) 2050
Global	Female	5.96% (5.76% - 6.21%)	4.18% (3.98% - 4.48%)	5.81% (5.6% - 6.05%)	5.5% (5.28% - 5.72%)	241 (229 - 252)	201 (187 - 220)	237 (225 - 249)	280 (264 - 299)
Global	Male	28.4% (27.9% - 29.1%)	21.1% (20.6% - 21.6%)	14.3% (13.9% - 14.6%)	14.2% (13.9% - 14.6%)	1160 (1120 - 1200)	1040 (983 - 1110)	569 (548 - 593)	754 (711 - 801)
Central Europe, Eastern Europe, and Central Asi		13.9% (13.3% - 14.5%)	11.3% (9.91% - 13.1%)	8.59% (8.13% - 9.08%)	8.68% (8.17% - 9.32%)	28.2 (26.3 - 30.4)	19.9 (17.3 - 23.7)	17.7 (16.4 - 19.1)	15.8 (14.4 - 17.4)
Central Europe, Eastern Europe, and Central Asi Central Asia	ia Male Female	34.4% (33.7% - 35.2%) 3.53% (3.21% - 3.86%)	26% (24.1% - 29.3%) 3.34% (2.82% - 3.95%)	19.4% (19% - 19.9%) 2.5% (2.27% - 2.73%)	19.5% (18.9% - 20.1%) 2.72% (2.47% - 2.98%)	71.7 (67.3 - 76.1) 1.78 (1.52 - 2.02)	50.4 (45.4 - 58.8) 1.95 (1.57 - 2.37)	40.8 (38.4 - 43.1) 1.24 (1.08 - 1.42)	44.1 (41 - 47.6) 1.59 (1.36 - 1.81)
Central Asia	Male	29.8% (28.7% - 30.9%)	26.3% (24.2% - 28.8%)	12.8% (12.3% - 13.3%)	13.1% (12.6% - 13.6%)	14.7 (13.2 - 16.4)	16.3 (14 - 19.2)	5.73 (5.11 - 6.31)	8.21 (7.21 - 9.17)
Armenia	Female	2.97% (2.38% - 3.63%)	2.89% (2.28% - 3.58%)	1.27% (1.06% - 1.52%)	1.23% (1.03% - 1.49%)	0.0472 (0.0364 - 0.0601)	0.0308 (0.0218 - 0.0413)	0.0207 (0.0167 - 0.0254)	0.0176 (0.0131 - 0.0226)
Armenia	Male	48.9% (47.6% - 50.3%)	45.4% (43.8% - 47.3%)	13.9% (12.8% - 15%)	13.6% (12.6% - 14.7%)	0.736 (0.639 - 0.839)	0.538 (0.428 - 0.649)	0.212 (0.18 - 0.244)	0.227 (0.179 - 0.282)
Azerbaijan	Female	2.31% (1.75% - 2.98%)	2.17% (1.53% - 3.1%)	1.06% (0.85% - 1.29%)	1.05% (0.84% - 1.3%)	0.126 (0.0932 - 0.167)	0.107 (0.0726 - 0.152)	0.0555 (0.0416 - 0.0699)	0.0477 (0.0361 - 0.0608)
Azerbaijan	Male	39.6% (38.2% - 41.2%)	38.4% (35.8% - 41.6%)	12.4% (11.6% - 13.3%)	12.6% (11.7% - 13.5%)	2.21 (1.89 - 2.54)	2.35 (1.95 - 2.76)	0.625 (0.524 - 0.726)	0.811 (0.67 - 0.945)
Georgia	Female	7.4% (6.39% - 8.61%)	8.66% (7.4% - 10.2%)	1.94% (1.62% - 2.34%)	1.76% (1.48% - 2.14%)	0.126 (0.106 - 0.152)	0.123 (0.0984 - 0.15)	0.0344 (0.0283 - 0.0415)	0.0277 (0.022 - 0.0338)
Georgia Kazakhstan	Male Female	47% (45.3% - 48.7%) 6.52% (5.52% - 7.68%)	46.4% (43.6% - 49.1%) 5.09% (3.75% - 6.9%)	21.3% (20% - 22.9%) 3.54% (2.97% - 4.17%)	21.9% (20.6% - 23.5%) 3.57% (2.97% - 4.26%)	0.818 (0.713 - 0.913) 0.646 (0.533 - 0.78)	0.717 (0.593 - 0.834) 0.553 (0.398 - 0.773)	0.405 (0.354 - 0.459) 0.352 (0.291 - 0.425)	0.428 (0.353 - 0.503) 0.4 (0.325 - 0.49)
Kazakhstan	Male	35.8% (34.2% - 37.6%)	27.9% (24.8% - 32%)	7.21% (6.63% - 7.87%)	7.74% (7.1% - 8.44%)	3.51 (3.08 - 3.91)	3.19 (2.64 - 3.9)	0.65 (0.569 - 0.734)	0.908 (0.774 - 1.04)
Kyrgyzstan	Female	5.17% (4.21% - 6.23%)	6.35% (5.08% - 7.71%)	2.07% (1.69% - 2.5%)	2.43% (1.91% - 3.04%)	0.188 (0.144 - 0.239)	0.258 (0.195 - 0.33)	0.0756 (0.0591 - 0.0948)	0.0933 (0.0674 - 0.126)
Kyrgyzstan	Male	40.9% (39.1% - 42.7%)	44% (39.7% - 46.8%)	14.7% (13.6% - 15.8%)	17.4% (16% - 18.8%)	1.4 (1.2 - 1.6)	1.83 (1.45 - 2.22)	0.472 (0.394 - 0.55)	0.752 (0.604 - 0.929)
Mongolia	Female	8.16% (7.01% - 9.36%)	10.6% (9.15% - 12.1%)	1.93% (1.63% - 2.27%)	1.78% (1.52% - 2.09%)	0.148 (0.125 - 0.173)	0.301 (0.248 - 0.355)	0.0335 (0.0281 - 0.04)	0.0504 (0.0422 - 0.0605)
Mongolia	Male	47.4% (45.9% - 48.8%)	52% (50.3% - 53.5%)	11.8% (10.8% - 12.7%)	11.7% (10.8% - 12.7%)	0.833 (0.766 - 0.901)	1.42 (1.27 - 1.57)	0.189 (0.168 - 0.212)	0.303 (0.26 - 0.349)
Tajikistan	Female	1% (0.78% - 1.28%)	0.61% (0.47% - 0.77%)	2.66% (2.22% - 3.09%)	3.18% (2.61% - 3.74%)	0.0528 (0.0391 - 0.0691)	0.0465 (0.0342 - 0.0609)	0.14 (0.109 - 0.175)	0.241 (0.185 - 0.31)
Tajikistan	Male	13.2% (12.1% - 14.3%)	7.45% (6.43% - 8.36%)	14.3% (13.2% - 15.6%)	14.9% (13.8% - 16.2%)	0.684 (0.577 - 0.802)	0.586 (0.471 - 0.717) 0.0471 (0.0331 - 0.07)	0.676 (0.569 - 0.8)	1.16 (0.968 - 1.4) 0.0867 (0.0688 - 0.108)
Turkmenistan	Female Male	2.6% (2.03% - 3.31%) 17.4% (15.9% - 19.2%)	1.51% (1.09% - 2.18%) 8.47% (6.83% - 10.8%)	2.39% (2.01% - 2.83%) 14.4% (13.3% - 15.6%)	2.73% (2.25% - 3.28%) 15.5% (14.3% - 16.9%)	0.0684 (0.0522 - 0.0896) 0.488 (0.422 - 0.562)	0.0471 (0.0331 - 0.07) 0.282 (0.217 - 0.369)	0.0621 (0.0508 - 0.0771) 0.363 (0.315 - 0.414)	0.0867 (0.0688 - 0.108)
Uzbekistan	Female	2.02% (1.59% - 2.58%)	2.21% (1.65% - 3%)	2.71% (2.28% - 3.18%)	2.89% (2.42% - 3.38%)	0.367 (0.244 - 0.513)	0.491 (0.301 - 0.707)	0.483 (0.339 - 0.662)	0.642 (0.432 - 0.884)
Uzbekistan	Male	22.2% (20.6% - 23.9%)	22.9% (19.7% - 26.9%)	13.4% (12.3% - 14.5%)	13.4% (12.3% - 14.5%)	3.92 (2.83 - 5.02)	5.41 (3.7 - 7.38)	2.12 (1.5 - 2.74)	3.07 (2.09 - 4)
Central Europe	Female	23.7% (23% - 24.5%)	22% (21.1% - 23%)	13.1% (12.4% - 13.8%)	14% (13.2% - 15.1%)	12.6 (11.9 - 13.3)	8.88 (8.22 - 9.48)	7.51 (7.01 - 7.99)	6.46 (5.9 - 7.09)
Central Europe	Male	31.9% (31.3% - 32.6%)	25.5% (24.8% - 26.1%)	20% (19.5% - 20.5%)	19.7% (19% - 20.4%)	17.7 (16.7 - 18.5)	11 (10.3 - 11.7)	12.6 (11.9 - 13.2)	11.6 (10.8 - 12.3)
Albania	Female	11.5% (9.61% - 13.7%)	13.5% (10.7% - 16.4%)	2.54% (2.14% - 3.08%)	2.83% (2.36% - 3.47%)	0.154 (0.122 - 0.188)	0.149 (0.109 - 0.193)	0.0345 (0.0281 - 0.0427)	0.0333 (0.0256 - 0.0423)
Albania	Male	48% (46.5% - 49.6%)	55.1% (52.7% - 56.9%)	11.8% (10.8% - 12.6%)	11.7% (10.8% - 12.6%)	0.665 (0.573 - 0.766)	0.672 (0.553 - 0.807)	0.176 (0.15 - 0.206)	0.182 (0.148 - 0.222)
Bosnia and Herzegovina Bosnia and Herzegovina	Female Male	27.7% (24.5% - 31.4%) 40% (37.4% - 42.1%)	30% (25.1% - 35.5%) 38.5% (33% - 44.7%)	10.5% (9% - 12.2%) 16.2% (15.1% - 17.5%)	12.4% (10.2% - 14.7%) 16.8% (15.7% - 18.1%)	0.439 (0.371 - 0.512) 0.66 (0.577 - 0.742)	0.266 (0.198 - 0.349) 0.403 (0.306 - 0.521)	0.169 (0.138 - 0.202) 0.306 (0.262 - 0.353)	0.123 (0.0926 - 0.156) 0.301 (0.238 - 0.375)
Bulgaria	Female	30.8% (28.6% - 33.3%)	27.3% (24.9% - 29.8%)	13.4% (11.8% - 15.2%)	16.8% (14.9% - 18.9%)	0.885 (0.772 - 0.991)	0.517 (0.44 - 0.595)	0.416 (0.359 - 0.478)	0.354 (0.301 - 0.407)
Bulgaria	Male	37.4% (35.5% - 39.4%)	28.7% (26.5% - 31.3%)	18.4% (17.3% - 19.6%)	17.9% (16.7% - 19.1%)	1.19 (1.05 - 1.32)	0.609 (0.511 - 0.7)	0.692 (0.614 - 0.778)	0.527 (0.455 - 0.601)
Croatia	Female	29.6% (27.3% - 32%)	28.7% (25.9% - 31.3%)	13.3% (11.8% - 15%)	14.8% (13% - 16.6%)	0.576 (0.491 - 0.661)	0.35 (0.29 - 0.417)	0.29 (0.24 - 0.341)	0.219 (0.176 - 0.262)
Croatia	Male	34.5% (32.6% - 36.2%)	29.7% (27.7% - 31.7%)	19.5% (18.3% - 20.6%)	19.2% (18% - 20.4%)	0.676 (0.582 - 0.775)	0.376 (0.306 - 0.436)	0.477 (0.405 - 0.549)	0.4 (0.326 - 0.468)
Czechia	Female	21.6% (19.9% - 23.5%)	17.8% (16% - 19.9%)	15.3% (13.6% - 17.2%)	14.8% (13% - 16.7%)	1.06 (0.933 - 1.2)	0.727 (0.632 - 0.833)	0.832 (0.72 - 0.959)	0.705 (0.607 - 0.82)
Czechia	Male	31% (29.6% - 32.7%)	25.8% (24.3% - 27.3%)	21.4% (20.1% - 22.9%)	20.7% (19.4% - 22.1%)	1.56 (1.4 - 1.72)	1.08 (0.958 - 1.2)	1.3 (1.15 - 1.46)	1.23 (1.07 - 1.39)
Hungary	Female Male	23.4% (21% - 25.7%) 30% (28.2% - 31.8%)	17.2% (14% - 21.6%) 21.2% (18.4% - 24.9%)	10.8% (9.63% - 12.2%) 18.3% (17.1% - 19.6%)	10.6% (9.01% - 12.4%) 17.1% (16% - 18.4%)	1.04 (0.87 - 1.19) 1.35 (1.15 - 1.56)	0.686 (0.533 - 0.877) 0.893 (0.736 - 1.07)	0.554 (0.466 - 0.65) 0.961 (0.826 - 1.1)	0.497 (0.41 - 0.609) 0.941 (0.812 - 1.09)
Hungary Montenegro	Female	29.4% (26.9% - 31.8%)	21.276 (18.476 - 24.976) 25.6% (21.8% - 30.3%)	18.3% (17.1% - 19.0%)	17.176 (1076 - 18.476)	0.0942 (0.0796 - 0.11)	0.895 (0.756 - 1.07)	0.961 (0.826 - 1.1)	0.0332 (0.0268 - 0.0407)
Montenegro	Male	32.7% (30.9% - 34.4%)	26.1% (23.1% - 30.9%)	19.8% (18.4% - 21.2%)	19.8% (18.4% - 21.2%)	0.106 (0.0921 - 0.121)	0.0705 (0.0565 - 0.0878)	0.0659 (0.0564 - 0.077)	0.0628 (0.0528 - 0.0748)
North Macedonia	Female	28.1% (25.6% - 30.4%)	27.8% (25.3% - 30.2%)	9.73% (8.16% - 11.5%)	10.4% (8.72% - 12.2%)	0.308 (0.249 - 0.373)	0.224 (0.178 - 0.273)	0.104 (0.0813 - 0.136)	0.0833 (0.0635 - 0.108)
North Macedonia	Male	42.3% (40.4% - 44.1%)	42.3% (40.5% - 44.2%)	15.7% (14.6% - 17%)	15.7% (14.6% - 17%)	0.502 (0.411 - 0.596)	0.384 (0.311 - 0.466)	0.187 (0.15 - 0.226)	0.173 (0.136 - 0.212)
Poland	Female	22.2% (20.5% - 23.9%)	19.4% (17.9% - 21%)	14.5% (12.9% - 16.2%)	14.3% (11.7% - 17.4%)	4.08 (3.59 - 4.57)	2.72 (2.39 - 3.06)	2.9 (2.48 - 3.3)	2.4 (1.91 - 2.96)
Poland	Male	28.2% (26.8% - 29.6%)	19.6% (16.1% - 22.1%)	21.5% (20.1% - 22.9%)	21% (19.2% - 22.7%)	5.35 (4.72 - 5.95)	2.89 (2.29 - 3.41)	4.41 (3.9 - 4.92)	4.16 (3.65 - 4.68)
Romania	Female Male	22.4% (20.7% - 24.1%) 34.7% (33.2% - 36.2%)	23.8% (22% - 25.6%) 28.9% (27.4% - 30.4%)	9.78% (8.63% - 11%) 19.4% (18.3% - 20.7%)	12.2% (10.7% - 13.8%) 19.7% (18.6% - 21%)	1.91 (1.63 - 2.22)	1.44 (1.21 - 1.68) 1.84 (1.54 - 2.15)	0.89 (0.737 - 1.05) 2.06 (1.77 - 2.4)	0.79 (0.638 - 0.961) 1.78 (1.49 - 2.08)
Romania Serbia	Female	34.7% (33.2% - 30.2%) 33.4% (30.6% - 36.6%)	28.5% (27.4% - 30.4%) 38.5% (35.2% - 41.8%)	19.4% (18.3% - 20.7%)	20.7% (16.9% - 24.6%)	3.1 (2.67 - 3.57) 1.41 (1.19 - 1.66)	1.84 (1.94 - 2.15)	0.704 (0.582 - 0.836)	0.681 (0.542 - 0.821)
Serbia	Male	33.7% (31.8% - 35.5%)	30% (26.7% - 34.5%)	19.3% (17.9% - 20.8%)	19% (17.6% - 20.6%)	1.5 (1.29 - 1.73)	1.06 (0.873 - 1.31)	0.973 (0.825 - 1.14)	0.826 (0.693 - 0.963)
Slovakia	Female	19.6% (17.7% - 21.8%)	18% (16.1% - 20%)	14.3% (12.8% - 16%)	14.1% (12.3% - 15.9%)	0.482 (0.418 - 0.554)	0.355 (0.308 - 0.408)	0.388 (0.335 - 0.455)	0.321 (0.274 - 0.375)
Slovakia	Male	30.2% (28.3% - 32%)	25% (22.8% - 26.9%)	22.6% (21.1% - 24.1%)	22.9% (21.3% - 24.5%)	0.804 (0.711 - 0.9)	0.57 (0.497 - 0.64)	0.658 (0.588 - 0.738)	0.664 (0.585 - 0.751)
Slovenia	Female	22% (20% - 24.2%)	20.7% (17.5% - 23.5%)	17.7% (15.6% - 19.7%)	19.5% (17.1% - 22%)	0.203 (0.178 - 0.232)	0.177 (0.147 - 0.209)	0.185 (0.16 - 0.215)	0.198 (0.17 - 0.229)
Slovenia	Male	25.7% (24.1% - 27.2%)	22.5% (20% - 24.6%)	23.3% (21.8% - 24.9%)	22.2% (20.8% - 23.8%)	0.246 (0.22 - 0.273)	0.2 (0.17 - 0.226)	0.287 (0.257 - 0.32)	0.294 (0.266 - 0.328)
Eastern Europe	Female	14% (12.8% - 15.2%) 38.8% (37.6% - 40%)	11.8% (9.32% - 15.4%)	9.02% (8.27% - 9.91%)	9.9% (8.97% - 10.9%)	13.4 (11.7 - 15.3)	8.65 (6.68 - 11.6)	8.42 (7.35 - 9.57) 21.7 (19.5 - 24.1)	7.19 (6.23 - 8.18)
Eastern Europe Belarus	Male Female	38.8% (37.6% - 40%) 13.6% (12.1% - 15.6%)	26.8% (23.6% - 32.8%) 10.9% (9.41% - 12.8%)	21.5% (20.6% - 22.4%) 6.7% (5.79% - 7.87%)	22.9% (21.7% - 23.9%) 5.75% (4.87% - 6.89%)	39 (34.9 - 43.3) 0.568 (0.462 - 0.699)	23.1 (19.4 - 29.3) 0.348 (0.285 - 0.431)	21.7 (19.5 - 24.1) 0.301 (0.247 - 0.366)	23.2 (20.7 - 26) 0.209 (0.168 - 0.258)
Belarus	Male	42.7% (40.9% - 44.4%)	38.2% (36.3% - 39.9%)	22.8% (21.2% - 24.5%)	23.8% (22.1% - 25.5%)	1.94 (1.69 - 2.22)	1.5 (1.28 - 1.74)	1.05 (0.891 - 1.22)	1.05 (0.893 - 1.24)
Estonia	Female	16.7% (15.2% - 18.1%)	11.6% (8.85% - 15.7%)	18.1% (16.2% - 20.2%)	21.1% (18.9% - 23.5%)	0.104 (0.0899 - 0.118)	0.0622 (0.0453 - 0.0851)	0.119 (0.105 - 0.136)	0.123 (0.108 - 0.142)
Estonia	Male	27.2% (25.8% - 28.7%)	16.1% (12.8% - 21.3%)	27.7% (26.2% - 29.3%)	30.5% (28.9% - 32.2%)	0.171 (0.152 - 0.189)	0.0904 (0.0686 - 0.122)	0.188 (0.168 - 0.21)	0.211 (0.187 - 0.235)
Latvia	Female	20.1% (18.2% - 22.1%)	18.9% (16% - 21.6%)	14.4% (13% - 16%)	18.2% (16.3% - 20.3%)	0.164 (0.144 - 0.187)	0.0917 (0.0732 - 0.112)	0.121 (0.105 - 0.138)	0.0975 (0.0802 - 0.115)
Latvia	Male	41.6% (39.9% - 43.4%)	36.2% (34.1% - 38.4%)	21.4% (20.1% - 22.8%)	21.9% (20.5% - 23.4%)	0.355 (0.32 - 0.392)	0.2 (0.17 - 0.232)	0.206 (0.185 - 0.231)	0.192 (0.162 - 0.225)
Lithuania	Female	20.1% (18.1% - 22.1%)	22.4% (19.3% - 25.3%)	11.3% (10% - 12.7%)	13.7% (11.8% - 15.6%)	0.232 (0.2 - 0.265)	0.137 (0.11 - 0.165)	0.152 (0.13 - 0.177)	0.117 (0.0946 - 0.144)
Lithuania Republic of Moldova	Male Female	34.7% (32.7% - 36.5%) 6.97% (5.82% - 8.22%)	28.9% (26.7% - 30.9%) 6.95% (5.67% - 8.37%)	20.8% (19.4% - 22.1%) 3.32% (2.84% - 3.82%)	22% (20.7% - 23.4%) 3.51% (3.02% - 4.05%)	0.434 (0.388 - 0.483) 0.112 (0.0863 - 0.137)	0.228 (0.192 - 0.27) 0.0331 (0.022 - 0.0473)	0.287 (0.254 - 0.318) 0.065 (0.0493 - 0.0808)	0.267 (0.224 - 0.309) 0.048 (0.0331 - 0.0633)
Republic of Moldova Republic of Moldova	Female Male	6.97% (5.82% - 8.22%) 37.2% (35% - 39.4%)	6.95% (5.67% - 8.37%) 34.7% (31.4% - 39.2%)	3.32% (2.84% - 3.82%) 29.7% (28% - 31.6%)	3.51% (3.02% - 4.05%) 30.8% (29% - 32.6%)	0.112 (0.0863 - 0.137) 0.644 (0.531 - 0.756)	0.0331 (0.022 - 0.0473) 0.248 (0.174 - 0.33)	0.065 (0.0493 - 0.0808) 0.511 (0.411 - 0.605)	0.048 (0.0331 - 0.0633) 0.409 (0.285 - 0.528)
Russian Federation	Female	14.2% (12.7% - 15.8%)	11.9% (9.06% - 16.1%)	9.01% (7.96% - 10.2%)	9.98% (8.78% - 11.3%)	9.71 (8.14 - 11.3)	6.74 (4.95 - 9.55)	5.92 (4.96 - 7.02)	5.49 (4.61 - 6.46)
Russian Federation	Male	39.5% (38% - 41%)	27.1% (23.4% - 33.8%)	20.6% (19.3% - 21.8%)	22.2% (20.7% - 23.6%)	28.1 (24.4 - 32.3)	17.7 (14.3 - 23.2)	14.6 (12.6 - 16.7)	16.8 (14.6 - 19.2)
Ukraine	Female	13.4% (11.9% - 15.2%)	11.2% (8.94% - 14%)	9.43% (8.24% - 10.6%)	9.96% (8.77% - 11.3%)	2.48 (2 - 3.08)	1.22 (0.889 - 1.65)	1.74 (1.37 - 2.17)	1.11 (0.838 - 1.38)
Ukraine	Male	36.2% (34.6% - 37.9%)	22.3% (19.5% - 27.2%)	23.5% (22.2% - 24.8%)	25.2% (23.8% - 26.6%)	7.36 (5.87 - 8.81)	3.14 (2.28 - 4.2)	4.91 (3.94 - 5.96)	4.32 (3.33 - 5.38)
High-income	Female	15.6% (15.1% - 16%)	11% (10.5% - 11.7%)	16.7% (16.2% - 17.3%)	16.6% (16% - 17.3%)	81.1 (77.9 - 84.5)	55.7 (52.7 - 59.2)	99.8 (96.1 - 104)	103 (98.2 - 108)
High-income	Male	23% (22.5% - 23.5%)	14.9% (14.4% - 15.7%)	23.8% (23.4% - 24.3%)	23.6% (23.1% - 24.1%)	121 (117 - 125)	78.1 (74.6 - 82.4)	148 (143 - 153)	161 (155 - 168)
Australasia	Female Male	12.6% (11% - 14.2%) 14.2% (13.1% - 15.3%)	7.2% (6.15% - 8.3%) 7.69% (7.07% - 8.36%)	22.4% (20.5% - 24.4%) 26.2% (24.8% - 27.6%)	21% (19.4% - 23.4%) 25.4% (23.9% - 26.8%)	1.92 (1.66 - 2.18)	1.42 (1.22 - 1.63) 1.51 (1.38 - 1.66)	3.63 (3.3 - 4.04) 4.27 (3.93 - 4.62)	4.6 (4.12 - 5.15) 5.66 (5.2 - 6.14)
Australasia	Male Female	14.2% (13.1% - 15.3%) 12.2% (10.3% - 14.1%)	7.69% (7.07% - 8.36%) 7.05% (5.76% - 8.3%)	26.2% (24.8% - 27.6%) 21.7% (19.6% - 24%)	25.4% (23.9% - 26.8%) 20.3% (18.3% - 22.9%)	2.11 (1.93 - 2.32) 1.56 (1.32 - 1.82)	1.51 (1.38 - 1.66) 1.17 (0.974 - 1.38)	4.27 (3.93 - 4.62) 2.9 (2.57 - 3.3)	5.66 (5.2 - 6.14) 3.65 (3.2 - 4.18)
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Supplementary Results Table S1. Global all-age	and age-standard	lised prevalence of current and I Current Smoking	former smokers by location, sex, and scenario, 2 Current Smoking	2022 and 2050 Former Smoking	Former Smoking	Current Smokers	Current Smokers	Former Smokers	Former Smokers
Location	Sex	Prevalence 2022	Prevalence 2050	Prevalence 2022	Prevalence 2050	(millions) 2022	(millions) 2050	(millions) 2022	(millions) 2050
Australia	Male	13.4% (12.2% - 14.7%)	6.71% (6.02% - 7.46%)	25.4% (23.8% - 27%)	24.5% (22.8% - 26%)	1.67 (1.5 - 1.88)	1.11 (0.995 - 1.25)	3.4 (3.07 - 3.72)	4.48 (4.08 - 4.89)
New Zealand	Female	14.4% (13.3% - 15.8%)	8% (7.16% - 9.2%)	25.8% (24.3% - 27.5%)	25.2% (23.3% - 27.3%)	0.358 (0.317 - 0.401)	0.256 (0.222 - 0.298)	0.736 (0.659 - 0.813)	0.953 (0.848 - 1.05)
New Zealand	Male	18.2% (17.3% - 19.2%)	12.8% (12.1% - 13.6%)	30.4% (29.1% - 31.6%)	31% (28.9% - 32.8%)	0.446 (0.402 - 0.49)	0.412 (0.376 - 0.453)	0.893 (0.804 - 0.972)	1.2 (1.08 - 1.33)
High-income Asia Pacific High-income Asia Pacific	Female Male	7.45% (6.54% - 8.46%) 29.9% (28.6% - 31.1%)	5.03% (4.26% - 6.03%) 18.2% (17.1% - 19.3%)	6.48% (5.7% - 7.28%) 16.5% (15.6% - 17.5%)	7.63% (6.73% - 8.54%) 17.6% (16.5% - 18.6%)	6.36 (5.53 - 7.2) 27.2 (25.2 - 29.1)	3.55 (3 - 4.28) 13.6 (12.4 - 14.7)	6.8 (5.94 - 7.72) 18.8 (17.3 - 20.3)	7.44 (6.53 - 8.57) 19.9 (18.2 - 21.5)
Brunci Darussalam	Female	4.66% (3.6% - 5.88%)	4.05% (2.9% - 5.24%)	6.16% (5.22% - 7.11%)	7.04% (6.03% - 8.16%)	0.0102 (0.0075 - 0.0135)	0.0094 (0.0065 - 0.013)	0.0127 (0.0102 - 0.0154)	0.0173 (0.0137 - 0.0214)
Brunei Darussalam	Male	24.3% (21.9% - 26.4%)	20.3% (15.1% - 23.4%)	17.3% (16.1% - 18.6%)	18% (16.8% - 19.4%)	0.063 (0.0539 - 0.0741)	0.0469 (0.0333 - 0.0586)	0.0372 (0.0313 - 0.0433)	0.0518 (0.0426 - 0.0613)
Japan	Female	8.86% (7.5% - 10.4%)	5.77% (4.62% - 7.3%)	7.09% (6.04% - 8.24%)	8.32% (7.04% - 9.67%)	5.04 (4.22 - 5.88)	2.6 (2.07 - 3.33)	5.14 (4.29 - 6.02)	5.23 (4.36 - 6.22)
Japan	Male	27.6% (25.9% - 29.4%)	15.2% (13.7% - 16.6%)	16.8% (15.6% - 18.1%)	18.1% (16.8% - 19.6%)	16.7 (15.1 - 18.3)	7.31 (6.48 - 8.24)	13.7 (12.2 - 15)	13.5 (11.8 - 15)
Republic of Korea	Female	4.98% (3.98% - 6.07%)	3.69% (2.94% - 4.66%)	5.57% (4.73% - 6.48%)	6.78% (5.75% - 7.92%)	1.16 (0.929 - 1.4)	0.815 (0.629 - 1.05)	1.56 (1.31 - 1.83)	2.06 (1.69 - 2.53)
Republic of Korea	Male	35.8% (33.9% - 38.1%)	25.8% (24% - 28%)	16.3% (15.1% - 17.5%)	17.2% (15.8% - 18.6%)	9.72 (8.84 - 10.6)	5.57 (4.96 - 6.15)	4.8 (4.31 - 5.27)	5.83 (5.25 - 6.38)
Singapore	Female	6.01% (4.84% - 7.34%)	4.1% (3.27% - 5.14%)	3.52% (2.98% - 4.12%)	3.74% (3.18% - 4.39%)	0.169 (0.133 - 0.21)	0.136 (0.108 - 0.169)	0.0981 (0.0829 - 0.115)	0.134 (0.111 - 0.16)
Singapore	Male	18.2% (16.6% - 20%)	13.4% (12.1% - 14.8%)	11.7% (10.8% - 12.7%)	12.3% (11.3% - 13.4%)	0.58 (0.511 - 0.653)	0.498 (0.438 - 0.56)	0.373 (0.332 - 0.422)	0.55 (0.489 - 0.618)
High-income North America High-income North America	Female Male	12.9% (12% - 14%) 16.6% (15.7% - 17.3%)	7.48% (6.72% - 8.58%) 10.1% (9.23% - 11.5%)	19.2% (18% - 20.5%) 26% (24.8% - 27.1%)	18.2% (17.1% - 19.4%) 24.9% (23.7% - 26%)	24 (21.7 - 26.6) 29.8 (27.5 - 32.1)	14.5 (12.8 - 16.8) 19.3 (17.2 - 22.2)	41.4 (38.2 - 45.1) 53.7 (49.7 - 57.7)	43.6 (40.2 - 47.6) 58.6 (54.5 - 63)
Canada	Female	13.4% (11.2% - 16%)	7.5% (5.99% - 9.31%)	21.4% (18.9% - 24%)	20.9% (18.4% - 23.4%)	2.51 (2.1 - 2.99)	1.76 (1.42 - 2.22)	4.58 (3.98 - 5.16)	5.7 (5 - 6.47)
Canada	Male	14.9% (13.4% - 16.3%)	7.59% (6.76% - 8.51%)	25.4% (23.9% - 27.1%)	25.8% (24.2% - 27.4%)	2.74 (2.45 - 3.05)	1.79 (1.57 - 2.05)	5.61 (5.11 - 6.14)	7.31 (6.65 - 8)
Greenland	Female	38.7% (34.2% - 44.3%)	34.5% (29.9% - 40.7%)	28.5% (25.3% - 31.8%)	28.7% (25% - 33.1%)	0.0103 (0.0086 - 0.0121)	0.0093 (0.0077 - 0.0112)	0.0079 (0.0068 - 0.0091)	0.0088 (0.0075 - 0.0104)
Greenland	Male	39.6% (36.8% - 42.4%)	34.4% (31.3% - 37.3%)	24.7% (23% - 26.4%)	24.9% (23.2% - 26.6%)	0.0117 (0.0105 - 0.0131)	0.0098 (0.0085 - 0.0111)	0.0079 (0.007 - 0.0089)	0.0088 (0.0076 - 0.01)
United States of America	Female	12.9% (11.8% - 14%)	7.47% (6.68% - 8.68%)	19% (17.7% - 20.4%)	17.8% (16.6% - 19.1%)	21.5 (19.2 - 24)	12.7 (11.1 - 14.9)	36.8 (33.6 - 40.6)	37.9 (34.7 - 41.7)
United States of America	Male	16.7% (15.9% - 17.5%)	10.4% (9.5% - 12%)	26.1% (24.8% - 27.3%)	24.8% (23.4% - 26%)	27 (24.8 - 29.3)	17.5 (15.5 - 20.3)	48.1 (44.2 - 51.9)	51.3 (47.2 - 55.6)
Southern Latin America	Female	22.8% (21.1% - 24.7%)	20.3% (18.4% - 22.2%)	19.3% (17.7% - 20.8%)	18.4% (16.8% - 19.8%)	7.65 (6.73 - 8.67)	6.51 (5.64 - 7.48)	6.72 (5.97 - 7.54)	6.78 (5.98 - 7.63)
Southern Latin America	Male	28.1% (26.8% - 29.5%)	23.5% (22% - 25.1%)	24.7% (23.8% - 25.8%)	24.9% (23.9% - 26%)	9.4 (8.43 - 10.5)	7.83 (6.89 - 8.96)	8.42 (7.55 - 9.39)	10.3 (9.24 - 11.5)
Argentina	Female	20% (17.8% - 22.5%)	18% (15.8% - 20.5%)	16.7% (15.1% - 18.5%)	15.5% (13.9% - 17.2%)	4.54 (3.76 - 5.43)	3.91 (3.19 - 4.72)	3.94 (3.29 - 4.66)	3.92 (3.25 - 4.68)
Argentina	Male Female	25.9% (24.3% - 27.6%) 30.7% (27.5% - 34.3%)	21.9% (20.2% - 23.5%) 26.6% (23.4% - 30.2%)	24.6% (23.1% - 26.1%) 25.4% (22% - 28.6%)	24.7% (23.3% - 26.3%) 24.9% (21.6% - 28.2%)	5.82 (4.94 - 6.86) 2.79 (2.4 - 3.23)	4.96 (4.13 - 5.91) 2.42 (2.04 - 2.84)	5.52 (4.74 - 6.44) 2.4 (2.05 - 2.8)	6.6 (5.62 - 7.72) 2.54 (2.17 - 2.95)
Chile	Male	34.2% (32% - 36.3%)	28% (25.6% - 30.6%)	23.4% (22.8% - 26.1%) 24.4% (22.8% - 26.1%)	24.9% (21.0% - 26.3%) 24.6% (23% - 26.3%)	2.79 (2.4 - 3.23) 3.17 (2.82 - 3.54)	2.62 (2.31 - 2.97)	2.4 (2.05 - 2.8)	3.19 (2.83 - 3.56)
Uruguay	Female	19.2% (17.4% - 21.3%)	13.1% (11.2% - 16.6%)	20% (18.2% - 22.1%)	19.4% (17.7% - 21.6%)	0.318 (0.27 - 0.37)	0.193 (0.156 - 0.249)	0.351 (0.299 - 0.406)	0.319 (0.269 - 0.373)
Uruguay	Male	24.8% (23.2% - 26.3%)	17% (15.6% - 19.2%)	28.2% (26.8% - 29.6%)	29.3% (27.9% - 30.9%)	0.403 (0.346 - 0.463)	0.257 (0.218 - 0.302)	0.492 (0.432 - 0.561)	0.533 (0.461 - 0.619)
Western Europe	Female	20.2% (19.6% - 20.8%)	15.2% (14.5% - 16.1%)	18.4% (17.7% - 19.2%)	18% (17.1% - 18.9%)	41.5 (39.6 - 43.2)	29.8 (28.2 - 31.7)	42.2 (40.1 - 44.4)	41.1 (38.7 - 43.5)
Western Europe	Male	25.1% (24.6% - 25.6%)	17.6% (17.1% - 18.2%)	25.1% (24.6% - 25.6%)	24.3% (23.9% - 24.9%)	52.2 (50 - 54.2)	35.8 (34 - 37.6)	63.3 (61 - 65.6)	66.9 (64.1 - 69.6)
Andorra	Female	22% (17.8% - 26.2%)	18.8% (14.9% - 22.8%)	16.7% (14.4% - 19.1%)	16.8% (14.5% - 19.4%)	0.0087 (0.0069 - 0.0108)	0.0049 (0.0039 - 0.0062)	0.007 (0.0059 - 0.0085)	0.0057 (0.0048 - 0.0068)
Andorra	Male	28% (25.4% - 30.6%)	21.9% (19.5% - 24.2%)	24.6% (22.8% - 26.3%)	24.3% (22.6% - 26.1%)	0.0125 (0.0108 - 0.0144)	0.0068 (0.0058 - 0.0079)	0.0124 (0.0109 - 0.0139)	0.0125 (0.0109 - 0.0142)
Austria	Female	22.9% (20.6% - 25.3%)	17.2% (14.4% - 22%)	16.5% (14.8% - 18.3%)	16.1% (14.4% - 18.1%)	0.983 (0.861 - 1.11)	0.735 (0.604 - 0.953)	0.778 (0.679 - 0.893)	0.796 (0.698 - 0.913)
Austria	Male	31.4% (29.5% - 33.6%)	25.4% (23.2% - 29.1%)	21.3% (20.1% - 22.8%)	21.5% (20% - 23.2%)	1.38 (1.22 - 1.52)	1.14 (1.01 - 1.33)	1.05 (0.935 - 1.17)	1.21 (1.08 - 1.34)
Belgium	Female Male	18.7% (17% - 20.5%) 20.9% (19.8% - 22.3%)	13.3% (12% - 14.8%) 12.3% (11.6% - 13.4%)	18.4% (16.3% - 20.2%) 24.2% (22.7% - 25.6%)	17.6% (15.5% - 19.8%) 23.6% (22.1% - 25.2%)	1.03 (0.916 - 1.16)	0.792 (0.698 - 0.905) 0.758 (0.678 - 0.841)	1.06 (0.905 - 1.2) 1.58 (1.4 - 1.76)	1.12 (0.955 - 1.29) 1.77 (1.6 - 1.97)
Belgium Cyprus	Female	20.9% (19.8% - 22.3%)	12.3% (11.0% - 13.4%)	24.2% (22.7% = 23.8%) 9.76% (8.55% = 11.2%)	23.07% (22.17% - 23.27%) 9.74% (8.45% - 11.2%)	0.137 (0.114 - 0.162)	0.116 (0.0966 - 0.137)	0.0686 (0.0563 - 0.081)	0.0744 (0.0609 - 0.0877)
Cyprus	Male	40.8% (38.6% - 42.9%)	37.5% (34.3% - 40.8%)	22.4% (21.1% - 23.9%)	23% (21.5% - 24.5%)	0.284 (0.246 - 0.324)	0.274 (0.233 - 0.316)	0.166 (0.142 - 0.193)	0.226 (0.196 - 0.259)
Denmark	Female	19% (17.2% - 20.8%)	11% (8.8% - 13.8%)	26.5% (24.5% - 28.6%)	29.5% (27.3% - 31.9%)	0.561 (0.497 - 0.633)	0.351 (0.278 - 0.442)	0.866 (0.777 - 0.958)	1.06 (0.959 - 1.17)
Denmark	Male	18.8% (17.7% - 20%)	9.96% (9.03% - 11.2%)	27.7% (26.3% - 29.1%)	30% (28.4% - 31.6%)	0.569 (0.508 - 0.64)	0.329 (0.288 - 0.38)	0.931 (0.84 - 1.02)	1.14 (1.04 - 1.25)
Finland	Female	15.6% (14% - 17.2%)	10.8% (9.65% - 12.1%)	21.4% (19.5% - 23.8%)	23.2% (20.8% - 25.9%)	0.382 (0.334 - 0.435)	0.251 (0.219 - 0.288)	0.567 (0.495 - 0.642)	0.59 (0.512 - 0.671)
Finland	Male	21.1% (19.9% - 22.3%)	15% (14.1% - 16.1%)	27.3% (26% - 28.9%)	27.9% (26.5% - 29.5%)	0.541 (0.478 - 0.598)	0.366 (0.329 - 0.405)	0.858 (0.76 - 0.95)	0.889 (0.794 - 0.981)
France	Female	28.3% (26.3% - 30.2%)	27.8% (25.7% - 29.9%)	18.5% (16.6% - 20.6%)	18.6% (16.5% - 21%)	8.57 (7.55 - 9.57)	7.56 (6.58 - 8.47)	6.25 (5.38 - 7.22)	5.83 (4.92 - 6.81)
France	Male	33.3% (31.8% - 34.9%)	29.4% (27.5% - 31.2%)	25.3% (24% - 26.9%)	24.9% (23.5% - 26.5%)	9.91 (8.79 - 11)	8.11 (7.04 - 9.17)	9.9 (8.8 - 11)	10.1 (8.84 - 11.3)
Germany	Female Male	20% (18.4% - 21.7%) 26.7% (25.2% - 28.3%)	15.4% (14.1% - 16.8%) 20.2% (19% - 21.6%)	17.8% (16.1% - 19.5%) 22.9% (21.6% - 24.3%)	16.7% (14.8% - 18.9%) 21.5% (20.2% - 23%)	7.94 (6.94 - 8.95) 11.1 (9.81 - 12.3)	5.82 (5.1 - 6.56) 8.09 (7.2 - 8.97)	7.91 (6.8 - 9.03) 11.7 (10.4 - 13)	7.23 (6.24 - 8.42) 11.7 (10.5 - 12.9)
Germany Greece	Female	28% (25.6% - 30.3%)	24.2% (19.8% - 29.4%)	13.7% (12.4% - 15%)	16.2% (14% - 18.5%)	1.39 (1.19 - 1.62)	0.781 (0.601 - 1.01)	0.684 (0.572 - 0.796)	0.577 (0.454 - 0.711)
Greece	Male	37.1% (35.6% - 38.5%)	28.2% (26% - 30.6%)	22.3% (21.1% - 23.5%)	23.5% (22.2% - 24.8%)	1.79 (1.54 - 2.03)	0.924 (0.762 - 1.1)	1.38 (1.18 - 1.57)	1.39 (1.17 - 1.64)
Iceland	Female	13% (11.2% - 14.9%)	7.26% (6.21% - 8.68%)	14.4% (12.4% - 16.7%)	14.1% (12.1% - 16.2%)	0.0223 (0.0188 - 0.0264)	0.0166 (0.0138 - 0.0199)	0.026 (0.0219 - 0.0306)	0.0349 (0.0288 - 0.0405)
Iceland	Male	13.2% (12.2% - 14.2%)	6.86% (6.03% - 7.79%)	25.9% (24.2% - 27.5%)	25.7% (24% - 27.3%)	0.024 (0.0212 - 0.027)	0.0167 (0.0143 - 0.0195)	0.0508 (0.0455 - 0.0566)	0.0724 (0.0653 - 0.081)
Ireland	Female	18.8% (16.8% - 20.9%)	11.5% (9.85% - 13.4%)	17% (15.4% - 18.6%)	15.4% (13.5% - 17.4%)	0.454 (0.391 - 0.525)	0.327 (0.277 - 0.39)	0.457 (0.398 - 0.518)	0.532 (0.451 - 0.623)
Ireland	Male	18.1% (16.7% - 19.3%)	9.64% (8.55% - 11.1%)	21.6% (20.3% - 23%)	20.9% (19.6% - 22.2%)	0.436 (0.384 - 0.489)	0.283 (0.242 - 0.338)	0.59 (0.519 - 0.654)	0.763 (0.679 - 0.854)
Israel	Female	12.6% (10.8% - 14.4%)	8.86% (7.22% - 10.8%)	13.6% (11.8% - 15.6%)	13.4% (11.5% - 15.5%)	0.597 (0.488 - 0.72)	0.555 (0.422 - 0.703)	0.662 (0.53 - 0.803)	0.877 (0.704 - 1.08)
Israel Italy	Male Female	22.6% (21% - 24.3%) 18.7% (17.1% - 20.4%)	15.2% (14% - 16.6%) 16.3% (14.6% - 18%)	22.5% (21.1% - 24.1%) 11.9% (10.8% - 13.2%)	22.3% (20.9% - 23.9%) 10.5% (9.23% - 11.8%)	1.07 (0.902 - 1.25) 5.04 (4.42 - 5.69)	0.976 (0.812 - 1.15) 3.18 (2.75 - 3.62)	1.13 (0.96 - 1.33) 3.75 (3.27 - 4.29)	1.63 (1.37 - 1.89) 2.7 (2.26 - 3.19)
italy	Male	25% (23.8% - 26.5%)	19.9% (18.6% - 21.2%)	20.6% (19.4% - 21.8%)	18.4% (17.2% - 19.5%)	6.79 (6.1 - 7.49)	4.05 (3.62 - 4.48)	7.31 (6.53 - 8.02)	6.22 (5.53 - 6.92)
Luxembourg	Female	18.9% (16.8% - 20.8%)	13.8% (12% - 15.6%)	17.8% (15.7% - 19.9%)	17.5% (15.4% - 19.6%)	0.0584 (0.0499 - 0.0662)	0.061 (0.052 - 0.0694)	0.0592 (0.0516 - 0.0681)	0.0879 (0.0769 - 0.0995)
Luxembourg	Male	23% (21.6% - 24.5%)	16.1% (14.9% - 17.3%)	24.8% (23.4% - 26.3%)	24.6% (23.2% - 26.2%)	0.0767 (0.069 - 0.0857)	0.076 (0.0689 - 0.0838)	0.0902 (0.0808 - 0.0993)	0.142 (0.129 - 0.154)
Malta	Female	19.6% (17.4% - 22.1%)	17.5% (14.4% - 20.2%)	16.4% (14.2% - 19%)	19.8% (17.1% - 22.8%)	0.0381 (0.032 - 0.0455)	0.0403 (0.0319 - 0.0477)	0.0334 (0.0277 - 0.0403)	0.0486 (0.0412 - 0.058)
Malta	Male	23.6% (21.8% - 25.5%)	17.2% (14.2% - 19.8%)	21.8% (20.3% - 23.2%)	21.8% (20.2% - 23.1%)	0.0517 (0.0443 - 0.0604)	0.0451 (0.0351 - 0.054)	0.0567 (0.0488 - 0.0648)	0.0713 (0.062 - 0.0798)
Monaco	Female	21.2% (16.7% - 26%)	17.8% (13.7% - 22%)	17.1% (14.7% - 19.6%)	17.2% (14.7% - 19.7%)	0.0036 (0.0028 - 0.0044)	0.0021 (0.0016 - 0.0027)	0.0033 (0.0027 - 0.0039)	0.0024 (0.002 - 0.0029)
Monaco	Male	25.7% (23.3% - 28.5%)	20.3% (17.9% - 22.8%)	24.6% (22.9% - 26.4%)	24.3% (22.5% - 26%)	0.0044 (0.0038 - 0.005)	0.0026 (0.0022 - 0.003)	0.0057 (0.0051 - 0.0063)	0.0045 (0.004 - 0.0051)
Netherlands	Female	17.4% (15.7% - 18.9%)	10.2% (9% - 11.5%)	26.9% (24.6% - 29.4%)	26.6% (24% - 29.5%)	1.49 (1.3 - 1.69)	0.886 (0.756 - 1.02)	2.59 (2.28 - 2.95)	2.7 (2.34 - 3.1)
Netherlands	Male	20.8% (19.5% - 22%)	12.2% (11.3% - 13.1%)	29.6% (28.1% - 31.4%)	29.4% (27.8% - 31.4%)	1.78 (1.59 - 1.98)	1.07 (0.966 - 1.19)	2.96 (2.67 - 3.31)	3.25 (2.93 - 3.62)
Norway	Female	15.7% (13.8% - 18%)	7.65% (6.35% - 9.22%)	15.3% (13% - 17.8%)	13.2% (11.1% - 15.6%)	0.413 (0.352 - 0.48)	0.224 (0.184 - 0.273)	0.392 (0.329 - 0.46)	0.378 (0.313 - 0.444)
Portugal	Male Female	19% (17.6% - 20.6%) 21.8% (20% - 23.9%)	9.82% (8.77% - 11.1%) 25% (22.9% - 27.2%)	19.4% (17.9% - 21%) 9.58% (8.34% - 11.1%)	18.8% (17.2% - 20.2%) 9.69% (8.28% - 11.2%)	0.527 (0.467 - 0.593) 1.01 (0.857 - 1.17)	0.302 (0.261 - 0.348) 0.977 (0.839 - 1.13)	0.553 (0.484 - 0.612) 0.453 (0.38 - 0.534)	0.629 (0.557 - 0.696) 0.394 (0.331 - 0.462)
Portugal	Male	21.8% (20% - 23.9%) 30.2% (28.7% - 31.7%)	2576 (22.9% - 27.2%) 25.1% (23.8% - 26.6%)	9.58% (8.34% - 11.1%) 19.4% (18.1% - 20.6%)	9.09% (8.28% - 11.2%) 18.2% (17% - 19.4%)	1.43 (1.24 - 1.62)	1.08 (0.947 - 1.21)	1.15 (0.994 - 1.31)	1.1 (0.965 - 1.25)
San Marino	Female	17% (14.2% - 20%)	12.5% (10.3% - 14.8%)	15.4% (13.3% - 17.7%)	15.2% (13.1% - 17.4%)	0.0027 (0.0021 - 0.0033)	0.0015 (0.0012 - 0.0019)	0.0027 (0.0022 - 0.0032)	0.0023 (0.0019 - 0.0028)
San Marino	Male	19.6% (18% - 21.4%)	13.6% (11.7% - 15.7%)	25.3% (23.5% - 27%)	25.2% (23.4% - 26.9%)	0.003 (0.0025 - 0.0035)	0.0018 (0.0014 - 0.0021)	0.0047 (0.004 - 0.0054)	0.0046 (0.0039 - 0.0054)
Spain	Female	21.8% (19.9% - 23.7%)	14.4% (11% - 18.9%)	16.1% (14.4% - 18%)	17% (14.8% - 19.7%)	4.54 (3.96 - 5.09)	2.97 (2.21 - 4)	3.56 (3.06 - 4.1)	3.77 (3.15 - 4.45)
Spain	Male	25.8% (24.6% - 27.2%)	13.4% (11.1% - 16.1%)	24.3% (22.8% - 25.8%)	24.3% (22.8% - 25.9%)	5.68 (5.01 - 6.32)	3.06 (2.5 - 3.78)	6.48 (5.78 - 7.19)	7.74 (7 - 8.48)

Supplementary Results Table S1. Global all-age	and age-standard								
Location	Sex	Current Smoking Prevalence 2022	Current Smoking Prevalence 2050	Former Smoking Prevalence 2022	Former Smoking Prevalence 2050	Current Smokers (millions) 2022	Current Smokers (millions) 2050	Former Smokers (millions) 2022	Former Smokers (millions) 2050
Sweden	Female	2022 12.8% (11.4% - 14.2%)	7.93% (6.83% - 9.17%)	2022 27.3% (24.8% - 30.4%)	27.7% (25% - 30.7%)	2022 0.66 (0.575 - 0.752)	0.523 (0.444 - 0.611)	1.53 (1.33 - 1.76)	1.97 (1.73 - 2.27)
Sweden	Male	11.4% (10.5% - 12.3%)	7.74% (6.66% - 8.92%)	28.4% (26.8% - 30%)	29.6% (27.9% - 31.3%)	0.608 (0.544 - 0.68)	0.525 (0.442 - 0.61)	1.69 (1.52 - 1.86)	2.24 (2.03 - 2.45)
Switzerland	Female	20.6% (18.1% - 23.2%)	16.8% (14.7% - 19.2%)	18.9% (16.6% - 21.4%)	20% (17.5% - 22.9%)	0.919 (0.791 - 1.06)	0.791 (0.681 - 0.914)	0.857 (0.727 - 1)	0.988 (0.842 - 1.17)
Switzerland	Male	25.4% (23.7% - 27.1%)	19.2% (17.5% - 20.9%)	23.2% (21.6% - 24.9%)	23% (21.4% - 24.7%)	1.15 (1.02 - 1.29)	0.932 (0.834 - 1.04)	1.19 (1.05 - 1.32)	1.4 (1.27 - 1.55)
United Kingdom	Female	15.2% (13.6% - 16.8%)	8.13% (6.89% - 9.71%)	26.2% (24% - 28.6%)	22.5% (20.3% - 25.1%)	5.14 (4.54 - 5.7)	2.85 (2.4 - 3.44)	9.9 (8.91 - 10.9)	9.47 (8.41 - 10.7)
United Kingdom	Male	17.7% (16.6% - 18.8%)	10% (8.94% - 11.4%)	33.6% (32% - 35.4%)	30.8% (29.2% - 32.7%)	5.72 (5.29 - 6.15)	3.39 (2.96 - 3.92)	12.5 (11.6 - 13.4)	13.2 (12 - 14.2)
Latin America and Caribbean	Female	7.31% (6.91% - 7.7%)	4.33% (4% - 4.7%)	12.8% (12.2% - 13.4%)	11.5% (11% - 12.1%)	22.5 (20.9 - 24.2)	14.2 (12.8 - 15.7)	39.4 (36.2 - 42.2)	44.3 (40.6 - 47.9)
Latin America and Caribbean	Male	15.8% (15.3% - 16.4%)	10.5% (9.78% - 11.3%)	25.4% (24.9% - 26%)	25.2% (24.5% - 26%)	47.3 (44.4 - 50.4)	34.2 (31 - 37.8)	73.6 (69.2 - 77.9)	91.8 (84.9 - 98.9)
Andean Latin America	Female	5.74% (5.22% - 6.36%)	5.64% (5.04% - 6.31%)	7.24% (6.6% - 7.94%)	7.59% (6.94% - 8.35%)	1.93 (1.71 - 2.19)	2.14 (1.85 - 2.45)	2.37 (2.1 - 2.66)	3.42 (3 - 3.9)
Andean Latin America	Male	21.4% (20.6% - 22.2%)	21.3% (20.2% - 22.4%)	22.1% (21.1% - 23%)	21.9% (20.9% - 22.8%)	7.3 (6.74 - 7.91)	8.36 (7.57 - 9.32)	7.05 (6.48 - 7.66)	9.86 (8.81 - 10.9)
Bolivia (Plurinational State of)	Female	8.13% (6.89% - 9.65%)	9.51% (7.44% - 11.5%)	9.8% (8.5% - 11.3%)	10.2% (8.82% - 11.8%)	0.482 (0.386 - 0.596)	0.747 (0.568 - 0.946)	0.548 (0.458 - 0.663)	0.835 (0.686 - 1.02)
Bolivia (Plurinational State of)	Male	18.4% (16.9% - 20%)	21.1% (16.5% - 23.6%)	22.6% (21% - 24.3%)	22.3% (20.8% - 24%)	1.1 (0.934 - 1.27)	1.71 (1.3 - 2.08)	1.23 (1.04 - 1.42)	1.8 (1.51 - 2.12)
Ecuador	Female	4.54% (3.78% - 5.49%)	3.55% (2.81% - 4.41%)	8.73% (7.48% - 10.1%)	8.88% (7.61% - 10.2%)	0.422 (0.326 - 0.529)	0.398 (0.305 - 0.519)	0.782 (0.63 - 0.939)	1.13 (0.884 - 1.37)
Ecuador	Male	22.5% (21% - 24%)	19.8% (17.6% - 21.7%)	21.9% (20.5% - 23.4%)	21.9% (20.4% - 23.6%)	2.06 (1.72 - 2.38)	2.29 (1.88 - 2.7)	1.88 (1.59 - 2.16)	2.72 (2.23 - 3.21)
Peru	Female	5.64% (4.87% - 6.46%)	5.27% (4.49% - 6.15%)	5.74% (4.95% - 6.65%)	5.85% (5.03% - 6.79%)	1.03 (0.864 - 1.2)	0.973 (0.808 - 1.17)	1.04 (0.876 - 1.23)	1.44 (1.18 - 1.75)
Peru	Male	22% (21% - 23.2%)	22.6% (21% - 24.9%)	22% (20.5% - 23.6%)	21.6% (20.1% - 23.1%)	4.15 (3.72 - 4.57)	4.36 (3.74 - 5.06)	3.94 (3.51 - 4.39)	5.35 (4.61 - 6.17)
Caribbean	Female	7.8% (7.02% - 8.65%)	4.62% (4.04% - 5.62%)	10.1% (9.43% - 10.7%)	9.68% (8.96% - 10.3%)	1.91 (1.69 - 2.15)	1.21 (0.994 - 1.5)	2.52 (2.28 - 2.76)	2.81 (2.48 - 3.16)
Caribbean	Male	16.9% (16% - 17.7%)	11% (10.1% - 12.4%)	21.2% (20.5% - 21.9%)	21.3% (20.5% - 22.1%)	4.06 (3.7 - 4.42)	2.81 (2.44 - 3.31)	5.06 (4.69 - 5.48)	6.09 (5.38 - 6.85)
Antigua and Barbuda	Female	5.5% (4.37% - 6.78%)	6.27% (5% - 7.78%)	9.87% (8.6% - 11.4%)	9.89% (8.6% - 11.4%)	0.0025 (0.0019 - 0.0032)	0.0026 (0.002 - 0.0033)	0.0047 (0.0039 - 0.0057)	0.0053 (0.0044 - 0.0065)
Antigua and Barbuda	Male	11.9% (10.5% - 13.4%)	13.7% (12% - 15.5%)	22% (20.5% - 23.7%)	21.7% (20.2% - 23.4%)	0.0054 (0.0045 - 0.0064)	0.006 (0.0049 - 0.0072)	0.0099 (0.0084 - 0.0113)	0.0117 (0.0101 - 0.0137)
Bahamas	Female	3.42% (2.66% - 4.33%)	2.97% (2.34% - 3.81%)	9.03% (7.67% - 10.4%)	9.05% (7.69% - 10.5%)	0.0067 (0.005 - 0.0087)	0.0057 (0.0043 - 0.0074)	0.0187 (0.0151 - 0.0229)	0.0238 (0.019 - 0.0291)
Bahamas	Male	11.6% (10.5% - 12.8%)	12.3% (11.2% - 13.6%)	21.3% (19.8% - 22.9%)	21.3% (19.8% - 22.9%)	0.0223 (0.0186 - 0.0261)	0.0238 (0.0198 - 0.0279)	0.0396 (0.0339 - 0.0459)	0.0513 (0.0435 - 0.0596)
Barbados	Female	4.14% (3.29% - 5.25%)	3.06% (2.37% - 3.94%)	6.15% (5.22% - 7.18%)	6.33% (5.35% - 7.41%)	0.0052 (0.004 - 0.0068)	0.0028 (0.0021 - 0.0037)	0.0093 (0.0076 - 0.0113)	0.0082 (0.0067 - 0.0101)
Barbados	Male	11.7% (10.4% - 13%)	8.13% (6.89% - 10.2%)	21% (19.4% - 22.6%)	21.3% (19.6% - 23%)	0.0161 (0.0136 - 0.0187)	0.0097 (0.0078 - 0.0121)	0.0328 (0.0281 - 0.0381)	0.0331 (0.0277 - 0.0392)
Belize	Female	4.5% (3.53% - 5.57%)	4.48% (3.41% - 5.62%)	9.22% (7.93% - 10.6%)	9.4% (8.08% - 10.8%)	0.0103 (0.0077 - 0.0131)	0.0142 (0.0106 - 0.0185)	0.0185 (0.0151 - 0.0221)	0.0333 (0.0274 - 0.0397)
Belize	Male	20.2% (18.3% - 22%)	19.7% (17.4% - 21.8%)	20.3% (18.9% - 21.7%)	20.2% (18.9% - 21.6%)	0.0437 (0.0368 - 0.051)	0.065 (0.0542 - 0.0767)	0.039 (0.0332 - 0.0452)	0.0664 (0.0558 - 0.0774)
Bermuda	Female	8.5% (6.82% - 10.5%)	8.25% (6.59% - 10.2%)	17.9% (15.9% - 20.2%)	18.8% (16.7% - 21.2%)	0.0026 (0.002 - 0.0032)	0.0018 (0.0014 - 0.0022)	0.007 (0.0059 - 0.0081)	0.0067 (0.0056 - 0.0079)
Bermuda	Male	17.7% (16% - 19.4%)	17.5% (15.8% - 19.3%)	23% (21.7% - 24.6%)	23.5% (22.1% - 25.1%)	0.0053 (0.0046 - 0.0061)	0.0037 (0.0032 - 0.0043)	0.0086 (0.0077 - 0.0097)	0.0082 (0.0071 - 0.0093)
Cuba	Female	13.6% (11.6% - 16.1%)	8.7% (7.22% - 10.9%)	9.74% (8.32% - 11.1%)	9.22% (7.84% - 10.6%)	0.8 (0.633 - 0.997)	0.379 (0.295 - 0.488)	0.637 (0.508 - 0.762)	0.53 (0.421 - 0.64)
Cuba	Male	27.5% (25.4% - 29.6%)	20.5% (18.7% - 22.6%)	20.2% (18.8% - 21.7%)	20.6% (19.2% - 22.1%)	1.64 (1.4 - 1.88)	0.948 (0.795 - 1.11)	1.29 (1.11 - 1.49)	1.29 (1.09 - 1.51)
Dominica	Female	6.14% (4.78% - 7.93%)	5.5% (4.3% - 7.07%)	6.98% (5.98% - 8.13%)	6.97% (5.98% - 8.09%)	0.0019 (0.0014 - 0.0025)	0.0015 (0.0011 - 0.0019)	0.0024 (0.0019 - 0.0029)	0.0025 (0.002 - 0.0031)
Dominica	Male	13.6% (12% - 15.2%)	12.7% (11% - 14.6%)	28.2% (26.3% - 29.9%)	28.1% (26.1% - 29.8%)	0.0045 (0.0038 - 0.0054)	0.0036 (0.0029 - 0.0045)	0.01 (0.0085 - 0.0117)	0.0098 (0.0083 - 0.0116)
Dominican Republic	Female	8.08% (6.6% - 9.51%)	5.43% (4.09% - 7.4%)	11.1% (9.82% - 12.8%)	10.5% (9.25% - 12%)	0.435 (0.339 - 0.535)	0.402 (0.278 - 0.568)	0.593 (0.48 - 0.711)	0.783 (0.619 - 0.964)
Dominican Republic	Male	11.6% (10.5% - 12.6%)	8.68% (7.24% - 11.1%)	21.1% (19.7% - 22.6%)	21.3% (19.8% - 22.8%)	0.633 (0.524 - 0.75)	0.598 (0.45 - 0.828)	1.11 (0.929 - 1.3)	1.49 (1.2 - 1.8)
Grenada	Female	5.15% (4.09% - 6.55%)	4.34% (3.41% - 5.54%)	9.68% (8.3% - 11.2%)	9.85% (8.45% - 11.4%)	0.0025 (0.0019 - 0.0033)	0.0018 (0.0013 - 0.0025)	0.005 (0.0041 - 0.0061)	0.0053 (0.0043 - 0.0066)
Grenada	Male	15.4% (13.9% - 17.1%)	13.4% (11.7% - 15.9%)	20.7% (19.1% - 22.2%)	20.8% (19.2% - 22.3%)	0.0084 (0.0071 - 0.0097)	0.0063 (0.005 - 0.0077)	0.0109 (0.0092 - 0.0126)	0.0117 (0.0094 - 0.0141)
Guyana	Female	4.2% (3.46% - 5.18%)	3.73% (3.06% - 4.63%)	8.93% (7.67% - 10.3%)	8.99% (7.71% - 10.4%)	0.0161 (0.0124 - 0.0206)	0.011 (0.0075 - 0.0151)	0.0333 (0.0273 - 0.0406)	0.0387 (0.0281 - 0.0517)
Guyana	Male	22.4% (21% - 24%)	21.9% (20.3% - 23.7%)	20.2% (18.8% - 21.9%)	20.2% (18.7% - 21.8%)	0.0849 (0.073 - 0.0973)	0.0466 (0.0334 - 0.0613)	0.07 (0.06 - 0.0811)	0.0926 (0.0654 - 0.122)
Haiti	Female	2.86% (2.22% - 3.61%)	1.82% (1.36% - 2.35%)	9.68% (8.41% - 11.2%)	9.62% (8.33% - 11.1%)	0.203 (0.144 - 0.272)	0.146 (0.1 - 0.2)	0.582 (0.453 - 0.739)	0.824 (0.611 - 1.05)
Haiti	Male	9.12% (8.3% - 10%)	5.89% (5% - 6.87%)	21.1% (19.8% - 22.6%)	21.4% (20.1% - 23%)	0.581 (0.466 - 0.705)	0.499 (0.372 - 0.659)	1.16 (0.93 - 1.38)	1.76 (1.31 - 2.18)
Jamaica	Female	7.42% (6.33% - 8.59%)	5.57% (4.66% - 6.65%)	8.84% (7.63% - 10.3%)	8.52% (7.35% - 9.99%)	0.1 (0.0826 - 0.122)	0.06 (0.0469 - 0.0782)	0.125 (0.101 - 0.153)	0.132 (0.104 - 0.165)
Jamaica	Male	18.3% (16.8% - 19.8%)	13.1% (11.8% - 15%)	21.5% (20% - 23.2%)	22% (20.3% - 23.7%)	0.258 (0.221 - 0.297)	0.16 (0.131 - 0.194)	0.294 (0.255 - 0.34)	0.334 (0.272 - 0.398)
Puerto Rico	Female	8.3% (7.14% - 9.86%)	6.71% (5.7% - 7.95%)	11.8% (10.7% - 12.9%)	12% (10.8% - 13.2%)	0.127 (0.107 - 0.147)	0.0592 (0.0484 - 0.0697)	0.232 (0.206 - 0.259)	0.199 (0.167 - 0.232)
Puerto Rico	Male	14.9% (13.9% - 16%)	12.3% (11.3% - 13.3%)	23.7% (22.5% - 24.7%)	23.2% (22% - 24.4%)	0.216 (0.196 - 0.239)	0.101 (0.0859 - 0.118)	0.442 (0.404 - 0.48)	0.395 (0.334 - 0.453)
Saint Kitts and Nevis	Female	2.8% (2.15% - 3.6%)	2.22% (1.67% - 2.9%)	4.88% (4.17% - 5.63%)	4.97% (4.25% - 5.76%)	0.0008 (0.0006 - 0.0011)	0.0006 (0.0004 - 0.0008)	0.0014 (0.0011 - 0.0018)	0.0018 (0.0014 - 0.0024)
Saint Kitts and Nevis	Male	8.8% (7.7% - 9.81%)	6.44% (5.32% - 8.39%)	18.1% (16.8% - 19.6%)	18.3% (17% - 19.8%)	0.0027 (0.0021 - 0.0033)	0.0016 (0.0012 - 0.0022)	0.0053 (0.0043 - 0.0064)	0.0056 (0.0045 - 0.0068)
Saint Lucia	Female	4.93% (3.95% - 6.05%)	3.61% (2.82% - 4.56%)	9.24% (7.98% - 10.6%)	9.5% (8.18% - 10.9%)	0.0042 (0.0031 - 0.0052)	0.0026 (0.0019 - 0.0034)	0.0087 (0.0071 - 0.0104)	0.0103 (0.0083 - 0.0125)
Saint Lucia	Male	16.5% (15% - 18.2%)	12.1% (10.7% - 14.6%)	20.7% (19.4% - 22.3%)	21% (19.6% - 22.6%)	0.0152 (0.0126 - 0.0177)	0.0099 (0.0079 - 0.0126)	0.0191 (0.0164 - 0.0218)	0.0222 (0.0186 - 0.0262)
Saint Vincent and the Grenadines	Female	4.69% (3.86% - 5.75%)	4.22% (3.46% - 5.22%)	8.94% (7.67% - 10.4%)	9.01% (7.74% - 10.4%)	0.0025 (0.0019 - 0.0031)	0.0016 (0.0013 - 0.0021)	0.0052 (0.0042 - 0.0063)	0.0055 (0.0044 - 0.0069)
Saint Vincent and the Grenadines	Male	18.7% (17.1% - 20.4%)	17.1% (15.6% - 18.7%)	20.7% (19.2% - 22.2%)	20.7% (19.2% - 22.2%)	0.0107 (0.0092 - 0.0124)	0.0074 (0.006 - 0.0088)	0.0127 (0.011 - 0.0146)	0.013 (0.0106 - 0.0157)
Suriname	Female	8.34% (6.75% - 10%)	5.83% (4.57% - 7.45%)	9% (7.77% - 10.4%)	9.5% (8.19% - 10.9%)	0.0246 (0.019 - 0.0308)	0.0181 (0.0134 - 0.0242)	0.0275 (0.0224 - 0.033)	0.0358 (0.0285 - 0.0439)
Suriname	Male	28.8% (26.6% - 31.3%)	21% (18.7% - 24.6%)	19.8% (18.4% - 21.3%)	20.1% (18.6% - 21.6%)	0.0844 (0.0719 - 0.0968)	0.0677 (0.0544 - 0.0829)	0.057 (0.0487 - 0.0656)	0.0737 (0.0611 - 0.0875)
Trinidad and Tobago	Female	8.23% (6.56% - 9.87%)	7.66% (6.1% - 9.21%)	11.1% (9.47% - 12.9%)	10.6% (9.01% - 12.2%)	0.0523 (0.041 - 0.0655)	0.0297 (0.0223 - 0.0384)	0.0774 (0.0633 - 0.0932)	0.0578 (0.0458 - 0.0729)
Trinidad and Tobago	Male	26.1% (24.1% - 28.3%)	24.2% (21.9% - 26.4%)	23.9% (22.3% - 25.6%)	22.8% (21.2% - 24.4%)	0.18 (0.152 - 0.208)	0.102 (0.0806 - 0.126)	0.177 (0.147 - 0.204)	0.147 (0.116 - 0.179)
United States Virgin Islands	Female	5.1% (4% - 6.35%)	3.93% (3.04% - 4.94%)	7.96% (6.94% - 8.95%)	7.2% (6.31% - 8.19%)	0.0022 (0.0017 - 0.0027)	0.0013 (0.001 - 0.0016)	0.0043 (0.0037 - 0.0049)	0.0032 (0.0026 - 0.0039)
United States Virgin Islands	Male	7.82% (7.04% - 8.72%)	5.98% (5.32% - 6.89%)	15.7% (14.6% - 16.8%)	15.2% (14.1% - 16.4%)	0.0033 (0.0028 - 0.0037)	0.0018 (0.0014 - 0.0022)	0.0079 (0.0072 - 0.0087)	0.0059 (0.0049 - 0.007)
Central Latin America	Female	8.29% (7.6% - 8.94%)	5.82% (5.23% - 6.37%)	8.82% (8.21% - 9.47%)	7.92% (7.36% - 8.51%)	10.9 (9.93 - 11.9)	7.91 (7.02 - 8.83)	11.5 (10.5 - 12.6)	11.7 (10.5 - 12.8)
Central Latin America	Male	19.4% (18.8% - 20.2%)	13.5% (12.3% - 14.6%)	24.7% (23.8% - 25.5%)	24.3% (23.3% - 25.4%)	24.5 (23 - 26)	18.4 (16.3 - 20.8)	30.4 (28.8 - 32.2)	34.9 (31.6 - 38.1)
Colombia	Female	7.67% (6.51% - 8.95%)	4.46% (3.58% - 5.7%)	8.08% (6.95% - 9.39%)	7.57% (6.5% - 8.81%)	1.97 (1.62 - 2.34)	1.24 (0.95 - 1.64)	2.04 (1.71 - 2.43)	2.17 (1.8 - 2.59)
Colombia	Male	12.4% (11.3% - 13.7%)	5.39% (4.68% - 6.68%)	23.2% (21.5% - 25%)	24% (22.3% - 25.9%)	3.06 (2.68 - 3.45)	1.42 (1.17 - 1.82)	5.61 (5.03 - 6.31)	6.93 (6.03 - 7.87)
Costa Rica	Female	6.42% (5.33% - 7.59%)	3.36% (2.68% - 4.22%)	11.1% (9.81% - 12.5%)	10.4% (9.13% - 11.7%)	0.157 (0.127 - 0.191)	0.0785 (0.063 - 0.0993)	0.277 (0.235 - 0.329)	0.287 (0.244 - 0.343)
Costa Rica	Male	13.1% (12% - 14.2%)	7.15% (6.5% - 7.84%)	27% (25.6% - 28.7%)	26.8% (25.3% - 28.5%)	0.308 (0.264 - 0.355)	0.173 (0.149 - 0.203)	0.627 (0.553 - 0.708)	0.748 (0.651 - 0.849)
El Salvador	Female	4.33% (3.47% - 5.36%)	4.82% (3.77% - 6.17%)	8.72% (7.52% - 10.1%)	8.51% (7.34% - 9.88%)	0.143 (0.109 - 0.183)	0.117 (0.0784 - 0.159)	0.298 (0.233 - 0.361)	0.241 (0.182 - 0.31)
El Salvador	Male	16.8% (15.2% - 18.4%)	20.1% (17.9% - 22.4%)	24.2% (22.3% - 26.2%)	23.2% (21.3% - 25.1%)	0.516 (0.418 - 0.605)	0.456 (0.328 - 0.576)	0.715 (0.586 - 0.832)	0.614 (0.457 - 0.778)
Guatemala	Female	4.66% (3.78% - 5.78%)	3.86% (3.09% - 4.84%)	7.87% (6.78% - 9.14%)	7.69% (6.61% - 8.98%)	0.398 (0.318 - 0.503)	0.341 (0.265 - 0.444)	0.631 (0.524 - 0.754)	0.786 (0.638 - 0.939)
Guatemala	Male	18.4% (17.1% - 19.8%)	15.4% (13.9% - 17.3%)	23.8% (22.1% - 25.6%)	23.2% (21.4% - 24.9%)	1.48 (1.31 - 1.67)	1.42 (1.2 - 1.7)	1.73 (1.53 - 1.95)	2.22 (1.89 - 2.6)
Honduras	Female Male	5.31% (4.3% - 6.45%) 22.5% (20.9% - 24.2%)	5.02% (4.06% - 6.14%) 19.9% (18.2% - 21.7%)	6.56% (5.59% - 7.75%) 23.4% (21.6% - 25.2%)	6.49% (5.51% - 7.64%) 22.7% (21% - 24.5%)	0.282 (0.219 - 0.348) 1.12 (0.964 - 1.28)	0.347 (0.269 - 0.44) 1.38 (1.17 - 1.62)	0.338 (0.274 - 0.416) 1.1 (0.942 - 1.26)	0.454 (0.365 - 0.56) 1.53 (1.29 - 1.78)
Honduras Mexico	Male Female	22.5% (20.9% - 24.2%) 9.31% (8.28% - 10.4%)	19.9% (18.2% - 21.7%) 6.69% (5.76% - 7.59%)	23.4% (21.6% - 25.2%) 9.58% (8.5% - 10.7%)	22.7% (21% - 24.5%) 8.24% (7.27% - 9.23%)	6.22 (5.37 - 7.11)	1.38 (1.17 - 1.62) 4.64 (3.92 - 5.38)	6.4 (5.59 - 7.34)	1.53 (1.29 - 1.78) 6.23 (5.38 - 7.08)
Mexico	Female Male	9.31% (8.28% - 10.4%) 22.9% (21.8% - 24%)	6.69% (5.76% - 7.59%) 15.5% (13.5% - 17.6%)	9.58% (8.5% - 10.7%) 26.2% (24.5% - 27.8%)	8:24% (7:27% = 9:25%) 25:4% (23:5% = 27:3%)	6.22 (5.37 - 7.11) 14.8 (13.4 - 16.1)	4.64 (3.92 - 5.38) 11.1 (9.33 - 13.1)	6.4 (5.59 - 7.54) 16.5 (15 - 18.1)	6.23 (5.38 - 7.08) 18.8 (16.8 - 20.9)
Nicaragua	Female	22.9% (21.8% - 24%) 6.7% (5.23% - 8.34%)	15.3% (13.5% - 17.6%) 6.73% (5.19% - 8.42%)	26.2% (24.5% - 27.8%) 6.91% (5.91% - 8.08%)	25.4% (23.5% - 27.5%) 6.76% (5.77% - 7.94%)	14.8 (13.4 - 16.1) 0.238 (0.177 - 0.316)	0.236 (0.165 - 0.316)	0.235 (0.184 - 0.3)	18.8 (16.8 - 20.9) 0.267 (0.205 - 0.336)
Nicaragua	Male	0.7% (3.23% - 8.34%) 23.6% (21.4% - 25.9%)	6./3% (3.19% = 8.42%) 23.3% (19.4% = 26.3%)	23.4% (21.7% - 25.1%)	6.76% (2.77% - 7.94%) 22.6% (20.9% - 24.3%)	0.804 (0.65 - 0.962)	0.236 (0.165 - 0.316)	0.235 (0.184 - 0.3)	0.896 (0.708 - 1.1)
Panama	Female	4.33% (3.54% - 5.24%)	23.3% (19.4% = 26.3%)	23.4% (21.7% - 23.1%) 5.51% (4.75% - 6.31%)	5.4% (4.66% - 6.19%)	0.093 (0.0712 - 0.116)	0.0814 (0.0631 - 0.101)	0.121 (0.1 - 0.145)	0.191 (0.156 - 0.229)

Supplementary Results Table S1. Global all-age a	and age-standard			2022 and 2050					
Location	Sex	Current Smoking Prevalence 2022	Current Smoking Prevalence	Former Smoking Prevalence 2022	Former Smoking Prevalence 2050	Current Smokers (millions) 2022	Current Smokers (millions) 2050	Former Smokers (millions) 2022	Former Smokers (millions) 2050
Panama	Male	2022 11.4% (10.3% - 12.5%)	7.57% (6.7% - 8.53%)	2022 11.8% (10.9% - 12.7%)	11.5% (10.6% - 12.4%)	0.251 (0.21 - 0.295)	0.226 (0.187 - 0.268)	0.258 (0.216 - 0.3)	0.382 (0.32 - 0.443)
Venezuela (Bolivarian Republic of)	Female	9.73% (7.6% - 12.1%)	6.81% (5.29% - 8.59%)	8.6% (7.1% - 10%)	8.12% (6.68% - 9.5%)	1.37 (1.06 - 1.75)	0.836 (0.624 - 1.11)	1.19 (0.948 - 1.43)	1.02 (0.776 - 1.31)
Venezuela (Bolivarian Republic of)	Male	17.2% (15.5% - 19.2%)	12.2% (10.8% - 13.7%)	23.7% (22% - 25.5%)	23.4% (21.7% - 25.1%)	2.26 (1.89 - 2.63)	1.36 (1.01 - 1.72)	3.08 (2.67 - 3.56)	2.75 (2.01 - 3.51)
Tropical Latin America	Female	6.36% (5.82% - 6.99%)	2.09% (1.86% - 2.46%)	18.5% (17.3% - 19.7%)	17% (15.8% - 18.2%)	7.83 (6.59 - 9.13)	2.96 (2.45 - 3.64)	22.5 (19.1 - 26.1)	26.3 (22.3 - 30.2)
Tropical Latin America	Male	10% (9.54% - 10.5%)	3.46% (3.22% - 3.79%)	27.7% (26.6% - 28.7%)	27.7% (26.5% - 28.9%)	11.6 (9.88 - 13.4)	4.63 (3.89 - 5.36)	30.8 (26.8 - 35.1)	41 (35.2 - 46.9)
Brazil	Female	6.34% (5.78% - 6.98%)	2.03% (1.78% - 2.39%)	18.6% (17.4% - 19.8%)	17% (15.9% - 18.3%)	7.59 (6.34 - 8.85)	2.78 (2.28 - 3.44)	21.9 (18.6 - 25.5)	25.6 (21.6 - 29.6)
Brazil	Male	9.71% (9.21% - 10.2%)	3.18% (2.95% - 3.47%)	27.7% (26.6% - 28.8%)	27.8% (26.5% - 29%)	10.9 (9.26 - 12.6)	4.11 (3.47 - 4.75)	29.9 (25.9 - 34.3)	39.8 (33.9 - 45.6)
		6.98% (5.76% - 8.4%)		27.7% (26.6% - 28.8%) 16.2% (14.3% - 18.2%)		0.245 (0.188 - 0.308)			
Paraguay	Female Male	6.98% (5.76% - 8.4%) 20.7% (19% - 22.4%)	4.21% (3.44% - 5.15%) 12.1% (10.8% - 13.6%)		15.4% (13.6% - 17.4%) 27.2% (25.5% - 29.2%)	0.245 (0.188 - 0.308) 0.734 (0.595 - 0.886)	0.18 (0.129 - 0.235) 0.525 (0.404 - 0.665)	0.549 (0.441 - 0.682) 0.884 (0.717 - 1.06)	0.707 (0.537 - 0.894) 1.21 (0.94 - 1.53)
Paraguay North Africa and Middle East		20.7% (197% - 22.47%) 5.29% (4.93% - 5.69%)	4.62% (4.32% - 4.94%)	26.4% (24.6% - 28.3%) 2.54% (2.37% - 2.73%)	2.27% (2.1% - 2.54%)	16.5 (15.2 - 18)	18.9 (17.1 - 20.6)	0.884 (0.717 - 1.06) 7.53 (6.92 - 8.25)	9.92 (8.87 - 11.2)
North Africa and Middle East	Female								
	Male	29.7% (29.2% - 30.3%)	29.3% (28.6% - 30%)	15.6% (15.3% - 16%)	15.4% (15.1% - 15.8%)	101 (96.3 - 105)	130 (121 - 140)	46.4 (44.3 - 48.5)	75.5 (70.1 - 81.2)
North Africa and Middle East	Female	5.29% (4.93% - 5.69%)	4.62% (4.32% - 4.94%)	2.54% (2.37% - 2.73%)	2.27% (2.1% - 2.54%)	16.5 (15.2 - 18)	18.9 (17.1 - 20.6)	7.53 (6.92 - 8.25)	9.92 (8.87 - 11.2)
North Africa and Middle East	Male	29.7% (29.2% - 30.3%)	29.3% (28.6% - 30%)	15.6% (15.3% - 16%)	15.4% (15.1% - 15.8%)	101 (96.3 - 105)	130 (121 - 140)	46.4 (44.3 - 48.5)	75.5 (70.1 - 81.2)
Afghanistan	Female	2.83% (2.27% - 3.62%)	3.54% (2.64% - 4.81%)	2.51% (2.14% - 2.96%)	2.35% (2% - 2.77%)	0.455 (0.281 - 0.67)	1.21 (0.724 - 1.84)	0.356 (0.236 - 0.482)	0.732 (0.477 - 1)
Afghanistan	Male	16.2% (14.9% - 17.6%)	19.7% (17% - 23.2%)	14.5% (13.5% - 15.6%)	14.7% (13.6% - 15.8%)	2.62 (1.73 - 3.44)	7.11 (4.5 - 9.78)	1.75 (1.2 - 2.31)	4.39 (2.87 - 5.89)
Algeria	Female	1.32% (1.02% - 1.72%)	1.08% (0.83% - 1.41%)	0.82% (0.7% - 0.96%)	0.69% (0.58% - 0.84%)	0.289 (0.212 - 0.393)	0.284 (0.204 - 0.384)	0.176 (0.138 - 0.217)	0.204 (0.155 - 0.259)
Algeria	Male	29.4% (27.8% - 31%)	30.3% (26.6% - 33%)	26.6% (25% - 28.3%)	28.5% (26.8% - 30.3%)	6.8 (5.79 - 7.86)	8.53 (6.83 - 10.2)	5.9 (4.87 - 6.82)	9.16 (7.49 - 10.8)
Bahrain	Female	5.4% (4.43% - 6.54%)	5.64% (4.43% - 7.04%)	2.09% (1.75% - 2.44%)	1.97% (1.65% - 2.31%)	0.0308 (0.0242 - 0.0384)	0.0469 (0.0358 - 0.0585)	0.012 (0.0099 - 0.0145)	0.0177 (0.0146 - 0.0211)
Bahrain	Male	23.9% (21.6% - 26%)	28.2% (23.4% - 31.5%)	15.8% (14.6% - 17%)	15.7% (14.5% - 16.9%)	0.237 (0.207 - 0.27)	0.361 (0.292 - 0.418)	0.152 (0.135 - 0.17)	0.274 (0.245 - 0.304)
Egypt	Female	1.38% (1.02% - 1.87%)	1.22% (0.89% - 1.68%)	0.57% (0.48% - 0.67%)	0.56% (0.47% - 0.65%)	0.758 (0.542 - 1.06)	0.948 (0.68 - 1.33)	0.258 (0.212 - 0.307)	0.444 (0.36 - 0.545)
Egypt	Male	40.6% (39.3% - 41.8%)	45% (43.7% - 46.3%)	12.2% (11.5% - 13.1%)	12.2% (11.4% - 13%)	22.2 (20.2 - 24.3)	37.6 (33.3 - 42.7)	6.03 (5.27 - 6.81)	10 (8.52 - 11.7)
Iran (Islamic Republic of)	Female	4.22% (3.41% - 5.19%)	4.63% (3.75% - 5.67%)	3.19% (2.71% - 3.8%)	3.02% (2.54% - 3.62%)	1.86 (1.46 - 2.36)	2.34 (1.82 - 2.96)	1.36 (1.1 - 1.63)	1.46 (1.19 - 1.75)
Iran (Islamic Republic of)	Male	24.1% (22.5% - 25.7%)	26.5% (24.6% - 28.3%)	13.8% (12.8% - 14.9%)	13.9% (12.9% - 15%)	11.4 (10 - 12.8)	13.5 (11.7 - 15.4)	5.78 (5.04 - 6.64)	8.65 (7.49 - 9.92)
Iraq	Female	3.15% (2.59% - 3.74%)	2.4% (1.97% - 2.87%)	4% (3.48% - 4.59%)	4.21% (3.63% - 4.95%)	0.583 (0.398 - 0.816)	0.758 (0.518 - 1.03)	0.672 (0.457 - 0.885)	1.35 (0.933 - 1.82)
Iraq	Male	33.4% (31.8% - 35.2%)	31.2% (27.8% - 34.3%)	17.3% (16.3% - 18.5%)	18% (17% - 19.2%)	7.28 (5.16 - 9.22)	10 (7.1 - 13.2)	2.82 (1.98 - 3.58)	5.79 (4.12 - 7.41)
Jordan	Female	11.6% (9.87% - 13.3%)	12.6% (10.8% - 14.5%)	3.36% (2.86% - 3.97%)	3.29% (2.74% - 4.01%)	0.706 (0.573 - 0.841)	1.38 (1.14 - 1.65)	0.17 (0.139 - 0.205)	0.38 (0.308 - 0.471)
Jordan	Male	49.6% (47.9% - 51.3%)	55.9% (52.2% - 58.2%)	15.6% (14.5% - 17%)	15.1% (14% - 16.4%)	3.44 (3.07 - 3.83)	6.77 (5.96 - 7.52)	0.88 (0.766 - 1)	1.91 (1.65 - 2.16)
Kuwait	Female	5.52% (4.58% - 6.57%)	5% (4.13% - 6%)	1.51% (1.29% - 1.79%)	1.58% (1.35% - 1.87%)	0.116 (0.0902 - 0.145)	0.138 (0.109 - 0.169)	0.0321 (0.0254 - 0.0403)	0.0589 (0.0493 - 0.071)
Kuwait	Male	33.1% (31.3% - 34.9%)	31.1% (29.2% - 33%)	16.4% (15.2% - 17.6%)	16.6% (15.4% - 17.8%)	0.899 (0.766 - 1.04)	1.02 (0.895 - 1.16)	0.372 (0.312 - 0.433)	0.745 (0.648 - 0.853)
Lebanon	Female	23.7% (21.6% - 26%)	26.3% (23.2% - 30.4%)	6.05% (5.26% - 6.88%)	6.12% (5.32% - 6.98%)	0.682 (0.566 - 0.812)	0.794 (0.626 - 1)	0.173 (0.138 - 0.211)	0.224 (0.175 - 0.278)
Lebanon	Male	42.2% (40.3% - 44.2%)	45.6% (43% - 49.2%)	10.9% (10.1% - 11.7%)	10.8% (10% - 11.7%)	1.19 (0.996 - 1.38)	1.38 (1.1 - 1.65)	0.286 (0.24 - 0.337)	0.385 (0.314 - 0.465)
Libya	Female	1.66% (1.27% - 2.15%)	1.84% (1.38% - 2.45%)	0.47% (0.39% - 0.55%)	0.47% (0.39% - 0.56%)	0.0549 (0.04 - 0.075)	0.0535 (0.0377 - 0.0736)	0.0153 (0.0117 - 0.0192)	0.0171 (0.0132 - 0.0219)
Libya	Male	35.4% (32.8% - 37.9%)	38.5% (34.4% - 41.6%)	10.3% (9.44% - 11.2%)	10.6% (9.72% - 11.6%)	1.35 (1.12 - 1.57)	1.38 (1.1 - 1.68)	0.343 (0.281 - 0.408)	0.479 (0.384 - 0.584)
Morocco	Female	1.21% (0.9% - 1.57%)	0.96% (0.7% - 1.25%)	0.67% (0.57% - 0.8%)	0.6% (0.49% - 0.73%)	0.222 (0.163 - 0.299)	0.16 (0.116 - 0.207)	0.127 (0.101 - 0.157)	0.118 (0.0914 - 0.15)
Morocco	Male	20% (18.9% - 21.2%)	15.6% (13.9% - 17.4%)	16.9% (15.9% - 18%)	17.8% (16.7% - 19%)	3.9 (3.39 - 4.43)	3.21 (2.67 - 3.82)	3.16 (2.73 - 3.53)	4.01 (3.41 - 4.61)
Oman	Female	2.04% (1.58% - 2.54%)	1.81% (1.39% - 2.31%)	2.37% (2.05% - 2.75%)	2.27% (1.95% - 2.67%)	0.0369 (0.0279 - 0.0481)	0.0553 (0.0413 - 0.0715)	0.0412 (0.0345 - 0.0493)	0.0692 (0.0575 - 0.083)
Oman	Male	14% (13% - 15.3%)	12.3% (9.47% - 14.4%)	11.3% (10.4% - 12.2%)	11.6% (10.6% - 12.5%)	0.483 (0.424 - 0.551)	0.516 (0.393 - 0.624)	0.276 (0.244 - 0.312)	0.59 (0.522 - 0.668)
Palestine	Female	3.53% (2.75% - 4.41%)	3.27% (2.55% - 4.21%)	1.04% (0.89% - 1.21%)	1.03% (0.88% - 1.2%)	0.0856 (0.066 - 0.11)	0.119 (0.089 - 0.158)	0.023 (0.0192 - 0.0276)	0.0376 (0.0302 - 0.0463)
Palestine	Male	36.4% (34.5% - 38.7%)	33.5% (31.2% - 36.3%)	10.9% (10.1% - 11.9%)	11.2% (10.4% - 12.2%)	0.928 (0.827 - 1.03)	1.24 (1.06 - 1.44)	0.238 (0.208 - 0.273)	0.42 (0.349 - 0.493)
Qatar	Female	4.08% (3.12% - 5.1%)	3.91% (2.99% - 4.89%)	1.17% (0.96% - 1.4%)	1.15% (0.94% - 1.38%)	0.0363 (0.0276 - 0.0453)	0.0779 (0.0593 - 0.0977)	0.0111 (0.0087 - 0.0138)	0.0285 (0.0235 - 0.0344)
Qatar	Male	23.2% (21.5% - 24.6%)	23.2% (21.4% - 24.7%)	11.9% (11.1% - 12.9%)	12% (11.1% - 13%)	0.551 (0.496 - 0.608)	1.01 (0.909 - 1.11)	0.202 (0.178 - 0.226)	0.661 (0.596 - 0.734)
Saudi Arabia	Female	2.44% (1.88% - 3.1%)	2.64% (1.98% = 3.37%)	1.05% (0.89% - 1.24%)	0.88% (0.74% - 1.05%)	0.379 (0.275 - 0.5)	0.498 (0.371 - 0.663)	0.166 (0.132 - 0.206)	0.188 (0.149 - 0.232)
Saudi Arabia	Male	21.5% (20% - 23%)	23.4% (20.8% - 26.9%)	9.13% (8.37% - 9.91%)	9.9% (9.1% - 10.7%)	5.47 (4.66 - 6.31)	5.87 (4.78 - 7.06)	1.87 (1.55 - 2.2)	3.08 (2.64 - 3.59)
Saudi Arabia									
Sudan	Female	2.09% (1.61% - 2.78%)	1.54% (1.17% - 2.03%)	0.97% (0.82% - 1.13%)	0.89% (0.75% - 1.05%)	0.492 (0.349 - 0.677)	0.505 (0.357 - 0.671) 4.49 (3.71 - 5.45)	0.179 (0.14 - 0.225)	0.294 (0.229 - 0.37) 4.96 (4.04 - 6.06)
Sudan	Male	16.7% (15.5% - 18.2%)	12.8% (11.8% - 14.1%)	14.4% (13.4% - 15.6%)	14.9% (13.8% - 16.1%)	3.71 (3.11 - 4.39)		2.83 (2.33 - 3.37)	
Syrian Arab Republic	Female	5.66% (4.49% - 7.05%)	4.34% (3.42% - 5.44%)	2.12% (1.81% - 2.48%)	2.1% (1.79% - 2.46%)	0.427 (0.322 - 0.559)	0.362 (0.263 - 0.491)	0.153 (0.12 - 0.192)	0.195 (0.15 - 0.248)
Syrian Arab Republic	Male	36.2% (33.6% - 38.9%)	29.6% (27.1% - 32.2%)	13.4% (12.4% - 14.4%)	14.1% (13.1% - 15.2%)	2.36 (1.92 - 2.8)	2.29 (1.79 - 2.85)	0.911 (0.758 - 1.08)	1.27 (1.01 - 1.59)
Tunisia	Female	2.62% (2.08% - 3.24%)	2.15% (1.71% - 2.68%)	1.67% (1.42% - 1.96%)	1.68% (1.4% - 1.98%)	0.158 (0.123 - 0.2)	0.128 (0.0986 - 0.165)	0.103 (0.084 - 0.125)	0.115 (0.0927 - 0.143)
Tunisia	Male	40.9% (39.4% - 42.4%)	36% (34.4% - 37.7%)	13.2% (12.2% - 14.3%)	13.8% (12.7% - 15%)	2.48 (2.21 - 2.77)	2.17 (1.86 - 2.49)	0.811 (0.708 - 0.932)	1.02 (0.85 - 1.21)
Turkey	Female	17.8% (15.9% - 19.8%)	19% (17% - 21.1%)	6.26% (5.41% - 7.32%)	6.91% (5.57% - 8.64%)	7.36 (6.36 - 8.42)	6.29 (5.45 - 7.25)	2.64 (2.25 - 3.1)	2.81 (2.25 - 3.61)
Turkey	Male	39.5% (37.8% - 41.5%)	34.5% (31.8% - 37.4%)	20% (18.7% - 21.3%)	18.9% (17.5% - 20.4%)	17.4 (15.8 - 18.9)	13.2 (11.6 - 15)	8.36 (7.5 - 9.29)	10.4 (9.19 - 11.8)
United Arab Emirates	Female	3.94% (3.17% - 4.9%)	3.5% (2.61% - 4.74%)	2.03% (1.76% - 2.38%)	1.97% (1.7% - 2.31%)	0.118 (0.0892 - 0.159)	0.219 (0.157 - 0.304)	0.0542 (0.0415 - 0.0702)	0.135 (0.111 - 0.166)
United Arab Emirates	Male	17.4% (16.1% - 18.9%)	14.1% (11.8% - 17.2%)	15.2% (14.1% - 16.5%)	16.1% (14.8% - 17.4%)	1.37 (1.1 - 1.64)	1.7 (1.36 - 2.15)	0.995 (0.815 - 1.19)	2.62 (2.24 - 3)
Yemen	Female	8.13% (6.72% - 9.69%)	8.23% (6.79% - 9.87%)	2.39% (2.03% - 2.79%)	2.32% (1.97% - 2.73%)	1.3 (1 - 1.62)	2.28 (1.76 - 2.92)	0.377 (0.289 - 0.478)	0.625 (0.478 - 0.803)
Yemen	Male	28.4% (26.5% - 30.1%)	28.7% (26.6% - 30.9%)	13.9% (12.8% - 15%)	14.2% (13.2% - 15.4%)	4.54 (3.76 - 5.44)	8.15 (6.54 - 9.97)	1.91 (1.58 - 2.27)	3.63 (2.89 - 4.54)
South Asia	Female	3.03% (2.64% - 3.51%)	2.12% (1.83% - 2.45%)	1.57% (1.4% - 1.75%)	1.74% (1.52% - 1.97%)	26.5 (22.3 - 31.7)	25.3 (20.9 - 30.5)	13.4 (11.4 - 15.6)	20.7 (16.8 - 24.6)
South Asia	Male	21.3% (20.3% - 22.2%)	14.1% (13.4% - 14.9%)	8.47% (7.93% - 9.05%)	8.92% (8.37% - 9.55%)	196 (175 - 220)	168 (149 - 191)	72.8 (64.6 - 81.7)	107 (93.2 - 122)
South Asia	Female	3.03% (2.64% - 3.51%)	2.12% (1.83% - 2.45%)	1.57% (1.4% - 1.75%)	1.74% (1.52% - 1.97%)	26.5 (22.3 - 31.7)	25.3 (20.9 - 30.5)	13.4 (11.4 - 15.6)	20.7 (16.8 - 24.6)
South Asia	Male	21.3% (20.3% - 22.2%)	14.1% (13.4% - 14.9%)	8.47% (7.93% - 9.05%)	8.92% (8.37% - 9.55%)	196 (175 - 220)	168 (149 - 191)	72.8 (64.6 - 81.7)	107 (93.2 - 122)
Bangladesh	Female	3.11% (2.53% - 3.83%)	3.41% (2.66% - 4.3%)	4.94% (4.18% - 5.7%)	6.99% (5.73% - 8.32%)	2.53 (1.94 - 3.22)	3.52 (2.61 - 4.67)	3.94 (3.19 - 4.77)	7.32 (5.48 - 9.41)
Bangladesh	Male	41.9% (40.2% - 43.6%)	41.7% (38.9% - 43.9%)	24.8% (23.4% - 26.3%)	27.3% (25.5% - 29%)	33.9 (28.6 - 38.6)	39.3 (32.1 - 46.3)	19.4 (16.5 - 22.1)	27.4 (22 - 32.9)
Bhutan	Female	5.85% (4.71% - 7.12%)	5.73% (4.54% - 7.08%)	1.92% (1.62% - 2.28%)	2.11% (1.75% - 2.52%)	0.0215 (0.0171 - 0.0273)	0.0226 (0.0177 - 0.0292)	0.0066 (0.0055 - 0.008)	0.01 (0.0079 - 0.0127)
Bhutan	Male	14.3% (13% - 15.7%)	13.6% (11.8% - 15.4%)	26.3% (24.6% - 28%)	27% (25.3% - 28.8%)	0.0582 (0.0504 - 0.0662)	0.0477 (0.0391 - 0.0572)	0.0952 (0.0834 - 0.106)	0.138 (0.119 - 0.158)
India	Female	2.78% (2.3% - 3.36%)	1.87% (1.52% - 2.29%)	1.15% (0.98% - 1.35%)	1.14% (0.96% - 1.35%)	18.8 (15 - 23.5)	17.2 (13.6 - 22.4)	7.51 (6.15 - 9.18)	10.6 (8.24 - 13.1)
India	Male	19% (17.9% - 20%)	11.4% (10.6% - 12.1%)	6.86% (6.28% - 7.52%)	7.35% (6.74% - 8.02%)	136 (117 - 155)	105 (90.5 - 122)	45.8 (38.9 - 53.1)	67.8 (57.1 - 80.4)
Nepal	Female	11.5% (9.88% - 13.1%)	4.97% (3.93% - 6.94%)	5.59% (4.8% - 6.49%)	4.45% (3.76% - 5.31%)	1.67 (1.37 - 2.01)	1.1 (0.802 - 1.54)	0.856 (0.703 - 1.04)	0.845 (0.67 - 1.07)
Nepal	Male	26.9% (25.4% - 28.4%)	16.7% (15.3% - 18.1%)	14.1% (13% - 15.3%)	15.5% (14.3% - 16.9%)	3.76 (3.26 - 4.31)	2.93 (2.37 - 3.48)	1.98 (1.71 - 2.27)	2.56 (2.07 - 3.05)
Pakistan	Female	3.48% (2.83% - 4.31%)	2.24% (1.73% - 2.92%)	1.11% (0.94% - 1.3%)	1.14% (0.96% - 1.35%)	3.54 (2.79 - 4.57)	3.41 (2.5 - 4.55)	1.02 (0.85 - 1.22)	1.62 (1.3 - 2.01)
Pakistan	Male	21.7% (20.2% - 23.1%)	13.2% (11.7% - 15.4%)	4.76% (4.38% - 5.21%)	4.97% (4.55% - 5.43%)	22.6 (20.1 - 25.1)	20.9 (16.7 - 25.4)	4.91 (4.34 - 5.51)	7.51 (6.32 - 8.91)
Southeast Asia, East Asia, and Oceania	Female	3.63% (3.28% - 4.02%)	3.27% (2.91% - 3.67%)	2.02% (1.83% - 2.24%)	2.85% (2.56% - 3.18%)	43 (38 - 49)	41.9 (36.7 - 48.4)	22.5 (20.3 - 25.2)	34.9 (30.5 - 39.6)
Southeast Asia, East Asia, and Oceania	Male	43.9% (42.9% - 44.8%)	39% (38% - 39.9%)	9.56% (9.12% - 10%)	11.3% (10.8% - 11.9%)	526 (494 - 558)	444 (414 - 478)	112 (104 - 120)	148 (137 - 160)
East Asia	Female	3.15% (2.63% - 3.73%)	2.84% (2.38% - 3.36%)	1.92% (1.66% - 2.24%)	3.21% (2.77% - 3.77%)	27 (22.6 - 32.7)	25.9 (21.1 - 31.4)	14.4 (12.3 - 16.9)	23.6 (19.8 - 27.7)
East Asia	Male	43.5% (42.1% - 44.8%)	39.5% (36.6% - 41.5%)	7.78% (7.21% - 8.4%)	9.64% (8.89% - 10.5%)	365 (334 - 395)	286 (253 - 320)	64.7 (58.3 - 71.7)	84.4 (74.5 - 95.1)

Supplementary Results Table S1. Global all-age a	and age-standard	dised prevalence of current and fo Current Smoking		2022 and 2050	P	Constant Constant	6	The second and finders a finance	P
Location	Sex	Prevalence 2022	Current Smoking Prevalence 2050	Former Smoking Prevalence 2022	Former Smoking Prevalence 2050	Current Smokers (millions) 2022	Current Smokers (millions) 2050	Former Smokers (millions) 2022	Former Smokers (millions) 2050
China	Female	3.11% (2.57% - 3.7%)	2.79% (2.31% - 3.33%)	1.94% (1.67% - 2.27%)	3.25% (2.8% - 3.84%)	25.9 (21.5 - 31.5)	25 (20.3 - 30.6)	14.1 (11.9 - 16.5)	23.1 (19.3 - 27.3)
China	Male	43.7% (42.3% - 45.1%)	39.8% (36.7% - 41.8%)	7.83% (7.25% - 8.47%)	9.7% (8.93% - 10.6%)	355 (324 - 386)	279 (245 - 312)	63 (56.4 - 69.9)	82.3 (72.2 - 93.1)
Democratic People's Republic of Korea	Female	4.49% (3.59% - 5.63%)	4.64% (3.72% - 5.82%)	1.42% (1.2% - 1.65%)	1.98% (1.59% - 2.37%)	0.631 (0.479 - 0.825)	0.613 (0.46 - 0.811)	0.195 (0.153 - 0.241)	0.265 (0.202 - 0.335)
Democratic People's Republic of Korea	Male	38.3% (36.3% - 40.3%)	32.9% (30.8% - 35%)	6.27% (5.72% - 6.83%)	7.83% (7.14% - 8.56%)	5.56 (4.7 - 6.46)	4.37 (3.6 - 5.14)	0.818 (0.675 - 0.977)	1.12 (0.91 - 1.33)
Taiwan (Province of China)	Female	4.52% (3.71% - 5.59%)	3.18% (2.57% - 3.92%)	1.51% (1.27% - 1.78%)	2.19% (1.82% - 2.56%)	0.497 (0.394 - 0.624)	0.237 (0.187 - 0.3)	0.185 (0.154 - 0.223)	0.25 (0.204 - 0.304)
Taiwan (Province of China)	Male	35.4% (33.5% - 37.4%)	30.4% (28.1% - 32.8%)	6.36% (5.79% - 6.93%)	7.7% (6.95% - 8.4%)	4.51 (4.05 - 5.01)	3.16 (2.8 - 3.55)	0.834 (0.723 - 0.947)	0.989 (0.854 - 1.14)
Oceania	Female	18.8% (17.3% - 20.3%)	15.8% (14.2% - 17.9%)	8.74% (7.81% - 9.74%)	7.93% (6.94% - 8.99%)	1.36 (1.2 - 1.54)	2.08 (1.77 - 2.46)	0.589 (0.503 - 0.679)	1.01 (0.836 - 1.21)
Oceania	Male	45.1% (43.8% - 46.4%)	44.9% (43% - 46.8%)	14.4% (13.7% - 15.2%)	13.1% (12.2% - 13.9%)	3.49 (3.09 - 3.88)	6.41 (5.64 - 7.3)	0.923 (0.825 - 1.02)	1.62 (1.41 - 1.85)
American Samoa	Female Male	21.8% (18% - 26.2%) 39.4% (36.4% - 42.3%)	20.6% (17.1% - 24.9%) 38.8% (35.8% - 41.7%)	9.11% (7.55% - 10.7%) 18.2% (17% - 19.5%)	8.87% (7.33% - 10.4%) 18.4% (17% - 19.6%)	0.0054 (0.0044 - 0.0065) 0.0101 (0.009 - 0.0112)	0.0061 (0.005 - 0.0075)	0.0022 (0.0018 - 0.0027)	0.0027 (0.0022 - 0.0033) 0.0058 (0.0051 - 0.0066)
Cook Islands	Female	22.5% (20.2% - 24.8%)	14.6% (12.4% - 18.3%)	13.3% (11.5% - 15.2%)	11.7% (10% - 13.7%)	0.002 (0.0017 - 0.0023)	0.0012 (0.001 - 0.0016)	0.0012 (0.001 - 0.0015)	0.0011 (0.0009 - 0.0013)
Cook Islands	Male	34.1% (32.2% - 36.1%)	29.7% (27.7% - 31.6%)	19.8% (18.4% - 21.4%)	20.2% (18.8% - 21.7%)	0.0028 (0.0025 - 0.0031)	0.0024 (0.0021 - 0.0027)	0.0019 (0.0017 - 0.0021)	0.0019 (0.0016 - 0.0021)
Fiji	Female	14.8% (12.3% - 17.3%)	14.1% (11.3% - 16.7%)	16% (14.1% - 18.3%)	15.8% (13.8% - 18%)	0.0682 (0.0545 - 0.0824)	0.0591 (0.0454 - 0.0753)	0.074 (0.0631 - 0.0856)	0.0694 (0.0564 - 0.0841)
Fiji	Male	34.5% (32.1% - 36.8%)	29.2% (26.5% - 32%)	26.2% (24.4% - 28.1%)	27.1% (25.2% - 29.1%)	0.165 (0.146 - 0.186)	0.125 (0.105 - 0.15)	0.119 (0.105 - 0.135)	0.144 (0.12 - 0.176)
Guam	Female	19.4% (17.6% - 21.6%)	17.2% (15.2% - 19.4%)	11.8% (10.5% - 13.2%)	12.3% (11% - 13.8%)	0.0148 (0.0131 - 0.017)	0.0104 (0.0084 - 0.0127)	0.0093 (0.0081 - 0.0104)	0.0092 (0.0076 - 0.0108)
Guam	Male	28.6% (27.2% - 30.2%)	24.2% (22.6% - 26.3%)	22.4% (21.1% - 23.6%)	23.4% (22.1% - 24.7%)	0.0229 (0.0207 - 0.0252)	0.0152 (0.0127 - 0.0179)	0.0186 (0.0169 - 0.0204)	0.0227 (0.0189 - 0.0264)
Kiribati	Female	32.9% (30.2% - 35.6%)	31.3% (27.7% - 36.5%)	10.4% (8.82% - 11.8%)	8.6% (7.19% - 10.2%)	0.0204 (0.0179 - 0.0231)	0.0233 (0.0188 - 0.0292)	0.0064 (0.0054 - 0.0078)	0.0063 (0.005 - 0.008)
Kiribati	Male	59.3% (57.6% - 60.9%)	60.1% (57.1% - 64.4%)	16.4% (15.3% - 17.7%)	16.1% (15% - 17.4%)	0.0355 (0.0316 - 0.0398)	0.0434 (0.036 - 0.0513)	0.0086 (0.0074 - 0.0097)	0.0107 (0.009 - 0.0128)
Marshall Islands	Female	10.8% (8.92% - 13.2%)	13.5% (11.1% - 16.3%)	6.57% (5.58% - 7.75%)	6.83% (5.77% - 8.06%)	0.0032 (0.0025 - 0.0041)	0.0049 (0.0037 - 0.0062)	0.0018 (0.0014 - 0.0022)	0.0025 (0.0019 - 0.0031)
Marshall Islands	Male	34.3% (31.9% - 36.9%)	36.6% (34.1% - 39.2%)	18.8% (17.4% - 20.2%)	18.9% (17.5% - 20.3%)	0.0106 (0.0088 - 0.0122)	0.0137 (0.0114 - 0.0161)	0.0049 (0.0042 - 0.0057)	0.0069 (0.0057 - 0.0083)
Micronesia (Federated States of)	Female	35.2% (30.8% - 40%)	38.1% (33.5% - 43%)	13.4% (11.4% - 15.6%)	13.8% (11.7% - 16%)	0.0182 (0.0149 - 0.0216)	0.0191 (0.0143 - 0.0242)	0.0068 (0.0056 - 0.0083)	0.0071 (0.0053 - 0.0091)
Micronesia (Federated States of)	Male	60.7% (58.1% - 63.2%)	63.2% (60.6% - 65.6%)	16.6% (15.3% - 17.8%)	16.7% (15.4% - 17.8%)	0.0325 (0.0283 - 0.0374)	0.0319 (0.0247 - 0.0399)	0.0077 (0.0066 - 0.009)	0.0094 (0.0072 - 0.0119)
Nauru	Female	37.6% (33.6% - 41.6%)	31.8% (27.4% - 37.7%)	16.4% (14.2% - 18.7%)	14.7% (12.4% - 17.5%)	0.0022 (0.0018 - 0.0026)	0.0027 (0.0022 - 0.0033)	0.001 (0.0008 - 0.0012)	0.0012 (0.001 - 0.0015)
Nauru	Male	41.2% (39.2% - 43.4%) 14.4% (12% - 17.1%)	39.2% (36.9% - 41.7%) 14.1% (11.7% - 16.8%)	18.2% (17% - 19.6%) 8.51% (7.2% - 9.89%)	18.4% (17.1% - 19.7%) 8.55% (7.23% - 9.96%)	0.0024 (0.0021 - 0.0028)	0.0034 (0.0028 - 0.0041)	0.0008 (0.0007 - 0.001)	0.0014 (0.0011 - 0.0017)
Niue	Female Male	25.7% (23.6% - 27.6%)	25% (22.8% - 27%)	8.51% (7.2% - 9.89%) 19.2% (17.8% - 20.7%)	8.55% (7.23% - 9.90%) 19.4% (17.9% - 20.9%)	0.0002 (0.0002 - 0.0002)	0.0002 (0.0002 - 0.0002)	0.0001 (0.0001 - 0.0001)	0.0002 (0.0001 - 0.0002)
Northern Mariana Islands	Female	17.2% (13.8% - 20.9%)	14.2% (11.3% - 17.4%)	8.05% (6.94% - 9.42%)	8.04% (6.92% - 9.4%)	0.004 (0.0032 - 0.005)	0.0031 (0.0025 - 0.004)	0.0019 (0.0016 - 0.0023)	0.002 (0.0017 - 0.0024)
Northern Mariana Islands	Male	37.6% (34.6% - 40.3%)	33.1% (30.3% - 35.9%)	18.3% (16.9% - 19.8%)	18.6% (17.2% - 20%)	0.0098 (0.0088 - 0.0109)	0.0081 (0.0071 - 0.0092)	0.0049 (0.0043 - 0.0055)	0.0053 (0.0047 - 0.006)
Palau	Female	13.4% (11.8% - 15.1%)	12.7% (11.2% - 14.3%)	10.5% (9.03% - 12.1%)	10.4% (8.93% - 12%)	0.001 (0.0009 - 0.0012)	0.0007 (0.0006 - 0.0009)	0.001 (0.0008 - 0.0011)	0.0008 (0.0007 - 0.001)
Palau	Male	31.6% (29.7% - 33.4%)	31.6% (29.6% - 33.4%)	19.4% (18.1% - 20.7%)	19.5% (18.2% - 20.8%)	0.003 (0.0026 - 0.0034)	0.0024 (0.0021 - 0.0027)	0.002 (0.0017 - 0.0023)	0.002 (0.0017 - 0.0023)
Papua New Guinea	Female	19.4% (17.4% - 21.3%)	15.6% (13.8% - 18.1%)	8.21% (7.05% - 9.45%)	7.78% (6.65% - 8.97%)	1.06 (0.899 - 1.23)	1.7 (1.4 - 2.05)	0.41 (0.333 - 0.492)	0.81 (0.648 - 0.988)
Papua New Guinea	Male	46.4% (44.7% - 48.1%)	45.5% (43.4% - 47.6%)	12.4% (11.5% - 13.3%)	11.8% (10.8% - 12.8%)	2.76 (2.36 - 3.13)	5.4 (4.65 - 6.23)	0.587 (0.507 - 0.675)	1.19 (1 - 1.38)
Samoa	Female	13.9% (12% - 15.7%)	11.8% (9.73% - 14%)	3.93% (3.32% - 4.61%)	3.67% (3.1% - 4.31%)	0.0147 (0.0123 - 0.0175)	0.0177 (0.0138 - 0.0224)	0.0041 (0.0034 - 0.0049)	0.0056 (0.0044 - 0.007)
Samoa	Male	35.1% (33.4% - 37%)	30% (27.9% - 33.3%)	8.23% (7.56% - 8.93%)	8.2% (7.53% - 8.9%)	0.0383 (0.0341 - 0.0432)	0.0477 (0.0399 - 0.0565)	0.0084 (0.0074 - 0.0096)	0.0139 (0.0116 - 0.0165)
Solomon Islands	Female	19.4% (16.8% - 22.1%)	21.9% (18.8% - 24.9%)	8.09% (6.86% - 9.57%)	8.24% (6.98% - 9.78%)	0.0685 (0.0556 - 0.0818)	0.112 (0.0893 - 0.14)	0.0268 (0.0212 - 0.0332)	0.0402 (0.0311 - 0.0511)
Solomon Islands	Male	48.7% (46.6% - 50.7%)	53.6% (50% - 56.2%)	17.2% (15.9% - 18.6%)	17% (15.8% - 18.4%)	0.17 (0.145 - 0.196)	0.279 (0.226 - 0.34)	0.0523 (0.0429 - 0.0609)	0.0759 (0.0612 - 0.0934)
Tokelau	Female	23.3% (19.6% - 27.6%)	24.2% (20.4% - 28.6%)	8.09% (6.84% - 9.33%)	8.11% (6.86% - 9.36%)	0.0002 (0.0001 - 0.0002)	0.0002 (0.0001 - 0.0002)	0.0001 (0 - 0.0001)	0.0001 (0 - 0.0001)
Tokelau	Male	40.6% (37.8% - 43.8%)	39.9% (37.1% - 43.2%)	18.4% (16.9% - 19.8%)	18.5% (17.1% - 20%)	0.0003 (0.0003 - 0.0003)	0.0003 (0.0003 - 0.0003)	0.0001 (0.0001 - 0.0001)	0.0002 (0.0001 - 0.0002)
Tonga Tonga	Female Male	13.1% (11.2% - 15.4%) 39.4% (37.1% - 41.7%)	12.5% (10.6% - 14.6%) 32.7% (30.6% - 35%)	5.48% (4.6% - 6.41%) 14.3% (13.1% - 15.5%)	5.35% (4.5% - 6.27%) 15.6% (14.3% - 16.9%)	0.007 (0.0057 - 0.0086) 0.0202 (0.0178 - 0.0227)	0.008 (0.0062 - 0.0102) 0.0225 (0.0184 - 0.0268)	0.0029 (0.0024 - 0.0035) 0.0073 (0.0063 - 0.0083)	0.0037 (0.0029 - 0.0047) 0.0118 (0.0095 - 0.0145)
Tuvalu	Female	20.4% (17.4% - 23.7%)	23.1% (19.8% - 26.4%)	9.18% (7.8% - 10.8%)	9.39% (7.98% - 11%)	0.0012 (0.001 - 0.0015)	0.0019 (0.0015 - 0.0023)	0.0006 (0.0004 - 0.0007)	0.0008 (0.0006 - 0.0009)
Tuvalu	Male	43.6% (41.4% - 46.1%)	45.2% (43% - 47.6%)	17.6% (16.3% - 18.8%)	17.6% (16.3% - 18.8%)	0.0029 (0.0025 - 0.0033)	0.004 (0.0033 - 0.0046)	0.0011 (0.0009 - 0.0012)	0.0015 (0.0013 - 0.0018)
Vanuatu	Female	6.38% (5.34% - 7.62%)	4.9% (3.97% - 6.15%)	2.74% (2.32% - 3.16%)	2.69% (2.29% - 3.09%)	0.0114 (0.0095 - 0.0139)	0.0126 (0.0099 - 0.0163)	0.0038 (0.0032 - 0.0045)	0.0064 (0.0053 - 0.0076)
Vanuatu	Male	33.6% (31.4% - 35.8%)	26% (22.9% - 30.9%)	24.2% (22.6% - 25.9%)	24.8% (23.1% - 26.5%)	0.054 (0.0488 - 0.0592)	0.0678 (0.0578 - 0.0814)	0.0363 (0.0325 - 0.0403)	0.0593 (0.052 - 0.0675)
Southeast Asia	Female	4.18% (3.84% - 4.55%)	3.2% (2.76% - 3.88%)	2.22% (2.05% - 2.4%)	2.22% (1.99% - 2.47%)	14.9 (13.5 - 16.5)	14.1 (12 - 17.4)	7.69 (7.01 - 8.4)	10 (8.83 - 11.3)
Southeast Asia	Male	43.2% (42.3% - 44%)	36.6% (34.4% - 39.9%)	14.4% (13.9% - 15%)	14.1% (13.5% - 14.8%)	156 (149 - 163)	151 (137 - 168)	48.7 (45.8 - 51.6)	63.1 (58 - 68.5)
Cambodia	Female	5.31% (4.39% - 6.33%)	5.09% (4.01% - 6.63%)	1.35% (1.13% - 1.59%)	1.41% (1.18% - 1.67%)	0.455 (0.356 - 0.576)	0.591 (0.432 - 0.79)	0.115 (0.0896 - 0.146)	0.162 (0.126 - 0.207)
Cambodia	Male	35.4% (33.9% - 36.8%)	28.7% (26.8% - 32.5%)	10% (9.23% - 10.9%)	11.1% (10.2% - 12%)	2.76 (2.29 - 3.2)	3.32 (2.67 - 3.97)	0.772 (0.636 - 0.917)	1.22 (1 - 1.47)
Indonesia	Female	3.33% (2.79% - 4.06%)	3% (2.19% - 4.21%)	0.98% (0.84% - 1.14%)	0.79% (0.67% - 0.95%)	4.69 (3.78 - 5.84)	5.26 (3.71 - 7.42)	1.32 (1.11 - 1.56)	1.4 (1.14 - 1.69)
Indonesia	Male	52.6% (51.1% - 54.1%)	49.3% (44% - 56.3%)	7.55% (6.99% - 8.13%)	6.86% (6.29% - 7.45%)	76.9 (70.1 - 82.6)	81.5 (68.8 - 96.9)	9.93 (8.84 - 11)	12.6 (10.9 - 14.4)
Lao People's Democratic Republic	Female	6.5% (5.47% - 7.85%)	8.15% (6.63% - 9.84%)	1.97% (1.66% - 2.32%)	1.9% (1.59% - 2.25%)	0.232 (0.187 - 0.288)	0.414 (0.321 - 0.515)	0.0683 (0.0549 - 0.0836)	0.095 (0.0747 - 0.117)
Lao People's Democratic Republic	Male	44.6% (42.6% - 46.6%) 3.14% (2.55% - 3.83%)	49.7% (45.5% - 52.5%) 2.22% (1.72% - 2.84%)	12% (11.1% - 13%) 1.12% (0.95% - 1.34%)	11.3% (10.4% - 12.4%) 1.04% (0.87% - 1.24%)	1.63 (1.45 - 1.81) 0.479 (0.371 - 0.609)	2.48 (2.14 - 2.82) 0.42 (0.318 - 0.554)	0.403 (0.351 - 0.45) 0.171 (0.136 - 0.209)	0.556 (0.477 - 0.633) 0.209 (0.166 - 0.257)
Malaysia Malaysia	Female Male	3.14% (2.55% - 3.83%) 37.1% (34.9% - 39.2%)	2.22% (1.72% - 2.84%) 28.3% (25.8% - 31.7%)	1.12% (0.95% - 1.34%) 9.89% (9.08% - 10.8%)	1.04% (0.87% - 1.24%) 9.13% (8.34% - 10.1%)	6.4 (5.47 - 7.33)	0.42 (0.318 - 0.554) 5.59 (4.68 - 6.61)	0.171 (0.136 - 0.209) 1.58 (1.34 - 1.83)	0.209 (0.166 - 0.257) 1.96 (1.64 - 2.3)
Maldives	Female	7.52% (6.27% - 8.91%)	8.19% (6.44% - 9.92%)	1.62% (1.37% - 1.95%)	1.41% (1.16% - 1.76%)	0.015 (0.0121 - 0.0183)	0.0293 (0.0225 - 0.0363)	0.0031 (0.0025 - 0.0038)	0.0054 (0.0043 - 0.0068)
Maldives	Male	41.4% (39.7% - 43.2%)	45.1% (38.6% - 49.6%)	13% (12% - 14.1%)	12.5% (11.5% - 13.7%)	0.142 (0.125 - 0.16)	0.221 (0.182 - 0.255)	0.0374 (0.0324 - 0.043)	0.0678 (0.0592 - 0.0771)
Mauritius	Female	6.11% (5.07% - 7.36%)	6.6% (5.04% - 8.25%)	3.27% (2.79% - 3.85%)	3.04% (2.55% - 3.58%)	0.0357 (0.0285 - 0.0446)	0.0298 (0.0218 - 0.0384)	0.021 (0.0172 - 0.0254)	0.0177 (0.0141 - 0.0215)
Mauritius	Male	40.2% (38.1% - 42.5%)	42.6% (35.6% - 47.6%)	13.2% (12.1% - 14.3%)	13.1% (12% - 14.3%)	0.258 (0.222 - 0.293)	0.221 (0.172 - 0.267)	0.0875 (0.0739 - 0.103)	0.0898 (0.0751 - 0.107)
Myanmar	Female	7.26% (6.16% - 8.53%)	4.25% (3.53% - 5.05%)	3.06% (2.55% - 3.59%)	2.61% (2.13% - 3.12%)	2.16 (1.79 - 2.63)	1.81 (1.44 - 2.31)	0.896 (0.73 - 1.08)	1.05 (0.832 - 1.34)
Myanmar	Male	36.3% (34.6% - 38.2%)	28.4% (24.1% - 31.6%)	14.9% (13.8% - 15.8%)	15.2% (14.1% - 16.3%)	10 (8.86 - 11.2)	9.01 (7.24 - 10.8)	3.87 (3.37 - 4.41)	4.99 (4.27 - 5.76)
Philippines	Female	7.62% (6.65% - 8.71%)	4.43% (3.64% - 5.64%)	6.41% (5.56% - 7.23%)	6.18% (5.24% - 7.25%)	4.19 (3.5 - 4.97)	3.45 (2.75 - 4.46)	3.49 (2.89 - 4.08)	4.82 (3.9 - 5.9)
Philippines	Male	36% (34.4% - 37.3%)	23.7% (22.2% - 25.8%)	20.6% (19.5% - 21.7%)	21% (19.8% - 22.1%)	21.1 (18.6 - 23.4)	18.5 (15.9 - 21)	10.9 (9.55 - 12.2)	16.5 (14.3 - 18.9)
Seychelles	Female	7.35% (5.93% - 8.9%)	6.51% (5.11% - 7.95%)	2.88% (2.41% - 3.37%)	2.68% (2.25% - 3.14%)	0.0035 (0.0027 - 0.0044)	0.004 (0.0031 - 0.0051)	0.0015 (0.0012 - 0.0019)	0.0019 (0.0015 - 0.0023)
Seychelles	Male	36.4% (33.6% - 39.2%)	33.2% (30.3% - 35.9%)	16% (14.8% - 17.4%)	15.4% (14.1% - 16.7%)	0.021 (0.0178 - 0.0246)	0.0239 (0.0204 - 0.028)	0.0091 (0.0076 - 0.0107)	0.0118 (0.01 - 0.0138)
Sri Lanka	Female	1.8% (1.36% - 2.22%)	1.37% (1% - 1.77%)	2.04% (1.73% - 2.37%)	1.98% (1.68% - 2.32%)	0.212 (0.157 - 0.27)	0.156 (0.109 - 0.211)	0.249 (0.203 - 0.302)	0.254 (0.199 - 0.32)
Sri Lanka	Male	26.3% (24.6% - 28.1%)	22.5% (17.5% - 26.6%)	18.9% (17.7% - 20.3%)	19.5% (18.1% - 21%)	2.88 (2.46 - 3.3)	2.36 (1.72 - 3.03)	2.12 (1.81 - 2.41)	2.28 (1.86 - 2.74)
Thailand	Female	3.25% (2.7% - 3.91%)	2.09% (1.72% - 2.53%)	2.12% (1.8% - 2.43%)	1.97% (1.66% - 2.29%)	1.2 (0.917 - 1.53)	0.695 (0.522 - 0.884)	0.834 (0.659 - 1.01)	0.954 (0.741 - 1.19)
Thailand Timor-Leste	Male Female	36.2% (34.6% - 37.8%) 5.73% (4.7% - 6.87%)	30% (28.1% - 31.6%) 5.61% (4.6% - 6.75%)	19.8% (18.6% - 21.1%) 1.84% (1.57% - 2.16%)	19.1% (17.8% - 20.9%) 1.77% (1.51% - 2.1%)	12.1 (10.3 - 13.9) 0.0397 (0.0312 - 0.0505)	8.08 (6.74 - 9.48) 0.0559 (0.0425 - 0.0726)	7.05 (5.89 - 8.17) 0.0118 (0.0095 - 0.0142)	7.24 (5.94 - 8.58) 0.0174 (0.0134 - 0.0219)
Timor-Leste	Female	5./3% (4.7% - 6.87%) 61.2% (59.1% - 63.2%)	5.61% (4.6% - 6.75%) 61.4% (59.2% - 63.5%)	1.84% (1.57% - 2.16%) 6.32% (5.75% - 6.88%)	1.77% (1.51% - 2.1%) 5.97% (5.43% - 6.53%)	0.0397 (0.0312 - 0.0505) 0.429 (0.382 - 0.483)	0.0559 (0.0425 - 0.0726) 0.639 (0.528 - 0.762)	0.0118 (0.0095 - 0.0142) 0.0407 (0.0352 - 0.0471)	0.0174 (0.0134 - 0.0219)
Viet Nam	Female	2.38% (1.93% - 2.85%)	1.85% (1.46% - 2.31%)	1.23% (1.06% - 1.42%)	1.19% (1.03% - 1.39%)	1.29 (1.02 - 1.59)	1.22 (0.951 - 1.53)	0.618 (0.516 - 0.733)	0.934 (0.761 - 1.13)
Viet Nam	Male	40.9% (39.6% - 42.4%)	33.7% (31.8% - 36%)	21.8% (20.5% - 23.1%)	23% (21.5% - 24.5%)	22.2 (20.1 - 24.2)	19.8 (17.4 - 22.4)	10.7 (9.52 - 12)	14.5 (12.7 - 16.5)
Sub-Saharan Africa	Female	2.88% (2.73% - 3.06%)	2.09% (1.98% - 2.23%)	4.11% (3.78% - 4.48%)	4.22% (3.85% - 4.6%)	16.5 (15.3 - 18)	22 (20.1 - 24.4)	23.2 (20.8 - 25.7)	44.4 (39.2 - 49.8)

Supplementary Results Table S1. Global all-age a	and age-standard	lised prevalence of current and f Current Smoking	former smokers by location, sex, and scenario, Current Smoking	2022 and 2050	F	6	6		Frank Constant
Location	Sex	Prevalence 2022	Prevalence 2050	Former Smoking Prevalence 2022	Former Smoking Prevalence 2050	Current Smokers (millions) 2022	Current Smokers (millions) 2050	Former Smokers (millions) 2022	Former Smokers (millions) 2050
Sub-Saharan Africa	Male	15.2% (14.8% - 15.6%)	12.4% (11.9% - 12.8%)	11.5% (11.1% - 11.8%)	11.5% (11.1% - 11.8%)	79.5 (76 - 83.6)	128 (116 - 139)	55.9 (53 - 58.9)	111 (101 - 121)
Central Sub-Saharan Africa	Female	2.07% (1.72% - 2.45%)	2.23% (1.75% - 2.72%)	2.51% (2.25% - 2.82%)	2.28% (2.04% - 2.56%)	1.49 (1.1 - 2)	2.8 (1.98 - 3.76)	1.64 (1.29 - 2.01)	2.76 (2.15 - 3.42)
Central Sub-Saharan Africa	Male	19.1% (18.1% - 20.1%)	19.8% (17% - 21.7%)	11.6% (11% - 12.3%)	10.8% (10.2% - 11.5%)	12.1 (9.61 - 14.6)	24.7 (18.2 - 30.5)	6.66 (5.27 - 8.16)	12 (9.42 - 14.8)
Angola	Female	3.36% (2.6% - 4.31%)	3.77% (2.7% - 4.89%)	2.46% (2.09% - 2.88%)	2.22% (1.88% - 2.63%)	0.59 (0.421 - 0.837)	1.27 (0.882 - 1.76)	0.395 (0.322 - 0.487)	0.727 (0.586 - 0.9)
Angola Central African Republic	Male Female	18.3% (16.9% - 20.1%) 1.82% (1.34% - 2.33%)	20% (15.9% - 22.9%) 1.7% (1.2% - 2.3%)	11.8% (10.9% - 12.7%) 2.52% (2.14% - 2.97%)	11% (10.1% - 11.9%) 2.29% (1.94% - 2.71%)	2.64 (2.27 - 3.04) 0.0537 (0.0364 - 0.0752)	6.46 (4.94 - 7.86) 0.0622 (0.0381 - 0.0915)	1.59 (1.38 - 1.83) 0.0662 (0.0498 - 0.0844)	3.17 (2.68 - 3.73) 0.0811 (0.0571 - 0.108)
Central African Republic	Male	14.1% (12.5% - 15.9%)	13% (10.1% - 15.6%)	12% (11.2% - 13%)	11.3% (10.4% - 12.3%)	0.36 (0.282 - 0.439)	0.447 (0.292 - 0.62)	0.27 (0.217 - 0.323)	0.337 (0.242 - 0.442)
Congo	Female	2.53% (1.78% - 3.52%)	2.94% (2.08% - 4.05%)	2.37% (2.01% - 2.79%)	2.09% (1.77% - 2.47%)	0.0787 (0.052 - 0.118)	0.112 (0.075 - 0.16)	0.0619 (0.0481 - 0.0766)	0.0822 (0.0624 - 0.105)
Congo	Male	21.3% (19.5% - 23.2%)	26.6% (24.2% - 29.1%)	11.7% (10.6% - 12.7%)	10.6% (9.69% - 11.5%)	0.573 (0.47 - 0.681)	1.07 (0.872 - 1.3)	0.279 (0.229 - 0.329)	0.401 (0.322 - 0.479)
Democratic Republic of the Congo	Female	1.56% (1.16% - 2.07%)	1.6% (1.16% - 2.18%)	2.54% (2.15% - 2.99%)	2.31% (1.97% - 2.73%)	0.715 (0.425 - 1.16)	1.29 (0.785 - 1.99)	1.08 (0.723 - 1.47)	1.8 (1.2 - 2.45)
Democratic Republic of the Congo	Male	19.3% (17.9% - 20.7%)	19.4% (16.6% - 21.6%)	11.6% (10.7% - 12.5%)	10.8% (9.92% - 11.7%)	8.07 (5.54 - 10.5)	15.8 (10.3 - 21.2)	4.36 (3.03 - 5.84)	7.82 (5.55 - 10.6)
Equatorial Guinea	Female	2.74% (2.02% - 3.58%)	3.03% (2.23% - 4.06%)	2.39% (2.01% - 2.79%)	2.14% (1.79% - 2.5%)	0.022 (0.0154 - 0.0304)	0.046 (0.0329 - 0.0641)	0.0156 (0.0126 - 0.019)	0.0321 (0.0254 - 0.0405)
Equatorial Guinea	Male	25.9% (23.9% - 27.9%)	28.6% (25.4% - 31.3%)	11.3% (10.4% - 12.2%)	10.4% (9.58% - 11.2%)	0.21 (0.183 - 0.241)	0.506 (0.422 - 0.595)	0.0684 (0.0589 - 0.0777)	0.157 (0.133 - 0.182)
Gabon	Female Male	3.78% (3.02% - 4.78%) 20.7% (19.3% - 22.3%)	4.36% (3.46% - 5.53%) 23.6% (21.9% - 25.6%)	2.49% (2.1% - 2.89%) 11.8% (10.9% - 12.8%)	2.24% (1.88% - 2.63%) 10.9% (10% - 11.9%)	0.0386 (0.0302 - 0.0511) 0.189 (0.163 - 0.215)	0.0621 (0.0473 - 0.081) 0.339 (0.283 - 0.403)	0.0228 (0.0182 - 0.0279) 0.0923 (0.0796 - 0.106)	0.0334 (0.0266 - 0.041) 0.145 (0.12 - 0.172)
Eastern Sub-Saharan Africa	Female	3.16% (2.95% - 3.39%)	2.51% (2.26% - 2.79%)	8.22% (7.39% - 9.1%)	8.53% (7.64% - 9.46%)	6.52 (5.9 - 7.18)	9.73 (8.48 - 11.1)	17.3 (15.2 - 19.5)	33.6 (29.3 - 38.5)
Eastern Sub-Saharan Africa	Male	15.5% (15% - 16%)	12.8% (12.2% - 13.4%)	15.8% (15% - 16.6%)	16% (15.1% - 16.8%)	29.2 (27.6 - 31)	49.2 (44 - 54.6)	29.5 (27.3 - 31.6)	59.4 (53.2 - 66.5)
Burundi	Female	3.94% (3.14% - 4.93%)	2.66% (2.08% - 3.35%)	2.88% (2.39% - 3.47%)	3.03% (2.51% - 3.63%)	0.246 (0.183 - 0.329)	0.335 (0.248 - 0.441)	0.188 (0.148 - 0.235)	0.38 (0.294 - 0.479)
Burundi	Male	14.5% (13.4% - 15.8%)	11.9% (8.11% - 14.9%)	17.3% (16.1% - 18.4%)	17.8% (16.6% - 19.1%)	0.862 (0.705 - 1.01)	1.39 (0.878 - 1.87)	1.01 (0.834 - 1.16)	1.99 (1.62 - 2.42)
Comoros	Female	3.19% (2.56% - 4.08%)	2.86% (2.28% - 3.65%)	2.57% (2.19% - 2.98%)	2.6% (2.23% - 3.03%)	0.0124 (0.0092 - 0.0166)	0.0122 (0.009 - 0.0165)	0.0092 (0.0071 - 0.0116)	0.0121 (0.0091 - 0.0161)
Comoros	Male	21.5% (19.9% - 23.2%)	18.7% (17.1% - 20.4%)	16.8% (15.6% - 18%)	16.8% (15.7% - 18.1%)	0.0784 (0.0646 - 0.094)	0.086 (0.0671 - 0.11)	0.0573 (0.0469 - 0.0697)	0.0804 (0.0629 - 0.101)
Djibouti Djibouti	Female Male	5.6% (4.51% - 6.82%) 37.1% (34.6% - 39.3%)	5.97% (4.75% - 7.34%) 38.6% (35.9% - 41%)	3.14% (2.69% - 3.65%) 10.5% (9.67% - 11.4%)	3.16% (2.7% - 3.65%) 10.4% (9.58% - 11.4%)	0.0325 (0.024 - 0.0428) 0.246 (0.208 - 0.288)	0.0571 (0.0425 - 0.0735) 0.425 (0.356 - 0.499)	0.017 (0.0134 - 0.0207) 0.0663 (0.0552 - 0.0782)	0.0308 (0.0244 - 0.0378) 0.107 (0.0895 - 0.127)
Eritrea	Female	0.74% (0.56% - 0.98%)	38.07% (33.97% - 417%) 0.65% (0.47% - 0.88%)	0.74% (0.61% - 0.89%)	0.74% (0.61% - 0.89%)	0.246 (0.208 - 0.288)	0.425 (0.356 - 0.499)	0.0663 (0.0552 - 0.0782)	0.0348 (0.0203 - 0.0508)
Eritrea	Male	11.2% (10.1% - 12.6%)	9.85% (8.32% - 11.4%)	13.2% (12.1% - 14.3%)	12.6% (11.5% - 13.7%)	0.366 (0.245 - 0.495)	0.477 (0.29 - 0.693)	0.45 (0.315 - 0.611)	0.604 (0.381 - 0.844)
Ethiopia	Female	1.59% (1.23% - 2.04%)	1.9% (1.3% - 2.54%)	1.2% (1% - 1.42%)	1.24% (1.03% - 1.46%)	0.856 (0.602 - 1.22)	2.01 (1.35 - 2.82)	0.616 (0.476 - 0.767)	1.29 (1.01 - 1.64)
Ethiopia	Male	9.78% (8.96% - 10.6%)	11.2% (8.3% - 12.9%)	6.72% (6.11% - 7.35%)	6.33% (5.71% - 6.96%)	4.6 (3.86 - 5.4)	11.6 (8.36 - 14.5)	3.19 (2.62 - 3.78)	6.3 (5.13 - 7.52)
Kenya	Female	2.55% (2% - 3.2%)	1.32% (0.9% - 1.98%)	2.29% (1.93% - 2.71%)	2.26% (1.89% - 2.68%)	0.642 (0.474 - 0.864)	0.48 (0.322 - 0.723)	0.446 (0.368 - 0.53)	0.855 (0.688 - 1.07)
Kenya	Male	16.9% (15.7% - 18%)	11% (9.89% - 12.2%)	11.1% (10.1% - 12.1%)	11.5% (10.5% - 12.4%)	3.8 (3.42 - 4.22)	4.2 (3.55 - 4.93)	2.44 (2.15 - 2.75)	4.13 (3.49 - 4.83)
Madagascar	Female	2.8% (2.22% - 3.54%)	2.06% (1.54% - 2.69%)	2.58% (2.18% - 3.04%)	2.88% (2.44% - 3.35%)	0.454 (0.334 - 0.595)	0.515 (0.375 - 0.665)	0.369 (0.296 - 0.446)	0.712 (0.573 - 0.871)
Madagascar Malawi	Male Female	22.4% (20.8% - 24.5%) 3.42% (2.8% - 4.27%)	16.2% (13.4% - 18.9%) 2.72% (1.92% - 3.99%)	11.8% (10.9% - 12.8%) 2.3% (1.95% - 2.71%)	12.2% (11.3% - 13.3%) 2.13% (1.79% - 2.52%)	3.35 (2.97 - 3.77) 0.313 (0.236 - 0.426)	4.19 (3.3 - 5.11) 0.446 (0.302 - 0.666)	1.46 (1.28 - 1.65) 0.182 (0.151 - 0.215)	2.9 (2.51 - 3.32) 0.327 (0.263 - 0.397)
Malawi	Male	22.5% (21.2% - 23.9%)	23.6% (22.3% - 25%)	12.1% (11.2% - 13%)	11.3% (10.4% - 12.3%)	1.74 (1.57 - 1.95)	3.68 (3.11 - 4.32)	0.82 (0.73 - 0.925)	1.56 (1.3 - 1.86)
Mozambique	Female	5.81% (4.66% - 7.24%)	4.9% (3.63% - 6.53%)	2.94% (2.45% - 3.49%)	3.12% (2.61% - 3.74%)	0.931 (0.722 - 1.22)	1.45 (1.05 - 1.98)	0.467 (0.374 - 0.574)	0.917 (0.727 - 1.15)
Mozambique	Male	20.6% (19% - 22.6%)	19% (17.3% - 20.8%)	11.5% (10.6% - 12.6%)	11.6% (10.6% - 12.7%)	2.58 (2.25 - 2.92)	5.09 (4.28 - 6.03)	1.5 (1.32 - 1.7)	2.93 (2.45 - 3.48)
Rwanda	Female	7.85% (6.69% - 9.26%)	7.15% (5.96% - 8.51%)	3.34% (2.86% - 3.91%)	3.56% (3.04% - 4.14%)	0.402 (0.325 - 0.508)	0.894 (0.71 - 1.12)	0.211 (0.17 - 0.262)	0.448 (0.362 - 0.552)
Rwanda	Male	20.4% (19% - 21.7%)	20.5% (19.1% - 21.9%)	11.5% (10.5% - 12.6%)	11.6% (10.5% - 12.6%)	1.06 (0.9 - 1.22)	2.48 (2.11 - 2.88)	0.677 (0.56 - 0.783)	1.42 (1.19 - 1.67)
Somalia	Female	3.02% (2.33% - 3.85%)	2.55% (1.94% - 3.27%)	2.61% (2.17% - 3.09%)	2.86% (2.33% - 3.4%)	0.33 (0.207 - 0.5)	0.568 (0.336 - 0.867)	0.271 (0.184 - 0.365)	0.613 (0.396 - 0.831)
Somalia South Sudan	Male Female	18.3% (16.4% - 20.4%) 3.08% (2.34% - 3.92%)	16.1% (14.2% - 18.2%) 2.59% (1.95% - 3.33%)	11.8% (10.8% - 12.8%) 2.61% (2.19% - 3.06%)	11.9% (11% - 12.9%) 2.88% (2.41% - 3.36%)	1.79 (1.29 - 2.26) 0.155 (0.108 - 0.218)	3.33 (2.26 - 4.44) 0.288 (0.199 - 0.403)	1.11 (0.787 - 1.43) 0.124 (0.0958 - 0.156)	2.4 (1.6 - 3.18) 0.311 (0.238 - 0.397)
South Sudan	Male	3.08% (2.34% - 3.92%) 18.6% (16.8% - 20.5%)	2.39% (1.95% - 3.33%)	2.01% (2.19% - 3.00%) 11.8% (10.8% - 12.8%)	2.88% (2.41% - 3.30%) 12.1% (11% - 13.1%)	0.155 (0.108 - 0.218)	1.66 (1.32 - 2.05)	0.527 (0.427 - 0.629)	1.21 (0.95 - 1.48)
Uganda	Female	4.44% (3.76% - 5.18%)	3.12% (2.33% - 4.61%)	5.85% (5.12% - 6.92%)	5.86% (5.09% - 6.92%)	0.954 (0.739 - 1.24)	1.34 (0.973 - 2.03)	1.1 (0.903 - 1.35)	2.42 (2.01 - 2.95)
Uganda	Male	13.2% (12.2% - 14.4%)	7.78% (6.49% - 11.1%)	9.29% (8.56% - 10.1%)	9.86% (9.02% - 10.7%)	2.55 (2.17 - 2.97)	3.36 (2.61 - 4.91)	1.58 (1.35 - 1.82)	3.83 (3.23 - 4.52)
United Republic of Tanzania	Female	2.3% (1.84% - 2.87%)	1.2% (0.84% - 1.82%)	42.7% (38.7% - 46.8%)	46.9% (42.9% - 51.4%)	0.613 (0.457 - 0.808)	0.612 (0.41 - 0.97)	13.3 (11.2 - 15.5)	25 (21.2 - 29.7)
United Republic of Tanzania	Male	13.8% (12.9% - 14.8%)	7.11% (6.29% - 8.7%)	51.7% (49.4% - 53.6%)	56.9% (54.1% - 59.1%)	3.41 (2.94 - 3.89)	3.53 (2.87 - 4.52)	14 (12.1 - 15.8)	28.4 (24 - 33.2)
Zambia	Female	6.07% (4.9% - 7.66%)	4.12% (2.59% - 6.72%)	1.39% (1.17% - 1.62%)	1.14% (0.94% - 1.36%)	0.613 (0.459 - 0.859)	0.735 (0.441 - 1.24)	0.127 (0.0982 - 0.159)	0.205 (0.158 - 0.262)
Zambia	Male	23.1% (22% - 24.3%)	21.1% (18.8% - 23.4%)	10.3% (9.48% - 11.1%)	10.2% (9.35% - 10.9%)	2.09 (1.78 - 2.42)	3.82 (3.1 - 4.69)	0.853 (0.72 - 0.995)	1.69 (1.39 - 2.01)
Southern Sub-Saharan Africa Southern Sub-Saharan Africa	Female Male	8.88% (7.74% - 10.1%)	6.17% (5.26% - 7.14%)	3.1% (2.71% - 3.54%) 9.05% (8.51% - 9.61%)	2.69% (2.33% - 3.05%) 9.1% (8.51% - 9.71%)	3.68 (3.12 - 4.26) 12.9 (11.6 - 14.2)	3.07 (2.57 - 3.63) 14.5 (12.2 - 16.6)	1.24 (1.03 - 1.44)	1.43 (1.18 - 1.66)
Botswana	Female	32.1% (31% - 33.3%) 8.27% (6.92% - 9.82%)	29.5% (26.2% - 31.8%) 7.3% (6.07% - 8.68%)	4.73% (4.12% - 5.49%)	4.76% (4.15% - 5.52%)	0.099 (0.0786 - 0.124)	0.118 (0.0948 - 0.148)	3.41 (3.03 - 3.83) 0.0544 (0.0438 - 0.0654)	4.43 (3.92 - 5) 0.0795 (0.0643 - 0.0979)
Botswana	Male	33.9% (32% - 36%)	36.5% (31.6% - 39.9%)	16.8% (15.6% - 18%)	16.7% (15.5% - 18.1%)	0.414 (0.358 - 0.474)	0.578 (0.471 - 0.689)	0.184 (0.156 - 0.212)	0.256 (0.216 - 0.297)
Eswatini	Female	2.79% (2.13% - 3.48%)	2.11% (1.6% - 2.69%)	1.39% (1.2% - 1.59%)	1.31% (1.13% - 1.51%)	0.0141 (0.0104 - 0.0186)	0.0148 (0.0108 - 0.0196)	0.0071 (0.0059 - 0.0085)	0.0091 (0.0072 - 0.0112)
Eswatini	Male	13.4% (12.1% - 14.7%)	10.2% (8.97% - 11.7%)	9.43% (8.72% - 10.2%)	9.09% (8.36% - 9.92%)	0.0742 (0.0632 - 0.0857)	0.0673 (0.0528 - 0.0826)	0.0426 (0.0365 - 0.0482)	0.0543 (0.0428 - 0.0662)
Lesotho	Female	2.81% (1.97% - 3.8%)	3.24% (2.28% - 4.37%)	1.75% (1.5% - 2.03%)	1.48% (1.26% - 1.71%)	0.0253 (0.0171 - 0.037)	0.0339 (0.024 - 0.0463)	0.0152 (0.0126 - 0.0178)	0.0172 (0.0136 - 0.021)
Lesotho	Male	40.8% (38.8% - 42.9%)	49.9% (46% - 52.5%)	9.95% (9.16% - 10.8%)	9.33% (8.57% - 10.1%)	0.377 (0.338 - 0.419)	0.556 (0.462 - 0.662)	0.0807 (0.0699 - 0.0919)	0.0966 (0.0792 - 0.114)
Namibia	Female Male	10.4% (8.57% - 12.5%) 22.1% (20.5% - 23.6%)	7.11% (5.64% - 9.08%) 17.9% (16.6% - 19.2%)	3.36% (2.95% - 3.88%) 10.8% (9.89% - 11.7%)	2.88% (2.5% - 3.36%) 10.9% (9.98% - 11.8%)	0.122 (0.0956 - 0.154) 0.251 (0.213 - 0.288)	0.129 (0.0959 - 0.171) 0.298 (0.25 - 0.352)	0.0371 (0.0302 - 0.0441) 0.12 (0.1 - 0.138)	0.0532 (0.0424 - 0.0651) 0.181 (0.15 - 0.218)
South Africa	Female	22.1% (20.3% - 23.0%)	7.25% (6.02% - 8.57%)	3.46% (2.92% - 4.03%)	3.06% (2.58% - 3.62%)	3.03 (2.48 - 3.6)	2.35 (1.88 - 2.87)	0.12 (0.1 - 0.138)	1.08 (0.852 - 1.32)
South Africa	Male	32.7% (31.2% - 34.3%)	28% (24.2% - 30.8%)	7.56% (6.99% - 8.25%)	7.19% (6.59% - 7.87%)	9.49 (8.23 - 10.8)	9.19 (7.49 - 10.9)	2.03 (1.75 - 2.37)	2.38 (2.03 - 2.78)
Zimbabwe	Female	4.36% (3.46% - 5.45%)	3.7% (2.77% - 5.01%)	1.62% (1.36% - 1.91%)	1.53% (1.28% - 1.81%)	0.358 (0.268 - 0.477)	0.419 (0.289 - 0.596)	0.108 (0.0881 - 0.132)	0.165 (0.128 - 0.209)
Zimbabwe	Male	32.5% (30.8% - 34.3%)	36.3% (32.4% - 38.9%)	15.3% (14.2% - 16.6%)	15.1% (14% - 16.4%)	2.22 (1.95 - 2.54)	3.85 (3.11 - 4.6)	1.06 (0.91 - 1.23)	1.58 (1.29 - 1.87)
Western Sub-Saharan Africa	Female	1.68% (1.53% - 1.85%)	1.21% (1.07% - 1.42%)	1.16% (1.07% - 1.25%)	1.11% (1.03% - 1.21%)	4.44 (3.91 - 5.05)	6.01 (5.11 - 7.23)	2.76 (2.5 - 3.05)	5.3 (4.71 - 5.97)
Western Sub-Saharan Africa	Male	10.4% (9.95% - 10.8%)	7.75% (7.17% - 8.7%)	8.23% (7.94% - 8.52%)	8.04% (7.69% - 8.35%)	24.1 (22.3 - 26)	37.7 (32.8 - 43.8)	16.1 (15 - 17.2)	33.7 (30.1 - 37.2)
Benin	Female	1.52% (1.2% - 1.9%)	0.78% (0.58% - 1.11%)	1.39% (1.18% - 1.61%)	1.29% (1.09% - 1.51%)	0.104 (0.0771 - 0.142)	0.113 (0.0808 - 0.16)	0.0892 (0.0717 - 0.111)	0.181 (0.146 - 0.226)
Benin	Male	8.4% (7.77% - 9.1%)	4.42% (3.95% - 5.39%)	3.82% (3.46% - 4.18%)	3.8% (3.44% - 4.17%)	0.507 (0.429 - 0.59)	0.613 (0.497 - 0.787)	0.172 (0.147 - 0.198)	0.406 (0.336 - 0.487)
Burkina Faso Burkina Faso	Female Male	1.52% (1.15% - 1.98%) 15.5% (14.2% - 16.9%)	1.03% (0.75% - 1.38%) 12.3% (11.2% - 13.6%)	1.42% (1.17% - 1.68%) 14% (13% - 15.1%)	1.36% (1.13% - 1.61%) 14.2% (13.1% - 15.3%)	0.176 (0.129 - 0.233) 1.72 (1.52 - 1.95)	0.266 (0.188 - 0.366) 3.28 (2.81 - 3.79)	0.164 (0.135 - 0.199)	0.35 (0.287 - 0.429) 2.99 (2.53 - 3.43)
Cabo Verde	Male	2.73% (2.15% - 3.35%)	12.3% (11.2% - 13.6%) 2.19% (1.64% - 2.75%)	14% (13% - 15.1%) 3.5% (2.95% - 4.06%)	14.2% (13.1% - 15.5%) 3.26% (2.74% - 3.79%)	1.72 (1.52 - 1.95) 0.0076 (0.0056 - 0.0096)	3.28 (2.81 - 3.79) 0.0075 (0.0054 - 0.0101)	0.0097 (0.0077 - 0.012)	2.99 (2.53 - 3.43) 0.011 (0.0085 - 0.014)
Cabo Verde	Male	8.6% (7.62% - 9.72%)	6.51% (5.13% - 8.06%)	9.93% (9.1% - 10.8%)	9.36% (8.52% - 10.2%)	0.0252 (0.0209 - 0.0305)	0.0215 (0.0159 - 0.0285)	0.0247 (0.0209 - 0.029)	0.0323 (0.0262 - 0.0397)
Cameroon	Female	1.37% (1.07% - 1.72%)	0.93% (0.71% - 1.21%)	0.94% (0.77% - 1.12%)	0.94% (0.77% - 1.12%)	0.223 (0.155 - 0.306)	0.259 (0.183 - 0.355)	0.154 (0.118 - 0.2)	0.27 (0.203 - 0.356)
Cameroon	Male	12.5% (11.4% - 13.6%)	8.21% (7.36% - 9.17%)	9.77% (8.99% - 10.5%)	9.96% (9.16% - 10.7%)	1.88 (1.56 - 2.26)	2.35 (1.85 - 2.94)	1.27 (1.04 - 1.52)	2.55 (2.02 - 3.12)
Chad	Female	2.74% (2.13% - 3.45%)	1.66% (1.23% - 2.29%)	1.37% (1.17% - 1.63%)	1.2% (1% - 1.42%)	0.262 (0.191 - 0.369)	0.441 (0.306 - 0.653)	0.12 (0.0916 - 0.153)	0.298 (0.227 - 0.38)
Chad	Male	14.2% (12.9% - 15.4%)	9.82% (8.8% - 10.8%)	9.63% (8.84% - 10.5%)	9.16% (8.36% - 10.1%)	1.15 (0.967 - 1.36)	2.4 (1.98 - 2.84)	0.702 (0.589 - 0.83)	1.8 (1.48 - 2.16)

Supplementary Results Table S1. Global all-a	ige and age-standard Sex	ised prevalence of current and fo Current Smoking Prevalence	ormer smokers by location, sex, and scenario, Current Smoking Prevalence	2022 and 2050 Former Smoking Prevalence	Former Smoking Prevalence	Current Smokers (millions)	Current Smokers (millions)	Former Smokers (millions)	Former Smokers (millions)
		2022	2050	2022	2050	2022	2050	2022	2050
Côte d'Ivoire	Female	2.5% (1.91% - 3.18%)	1.77% (1.27% - 2.5%)	1.23% (1.01% - 1.44%)	1.12% (0.92% - 1.33%)	0.36 (0.265 - 0.493)	0.433 (0.3 - 0.655)	0.163 (0.128 - 0.202)	0.269 (0.206 - 0.336)
Côte d'Ivoire	Male	16.7% (15.3% - 18%)	12.6% (10.6% - 16.5%)	9.78% (8.99% - 10.7%)	9.17% (8.37% - 10%)	2.53 (2.17 - 2.9)	3.19 (2.5 - 4.32)	1.16 (1 - 1.34)	2.09 (1.73 - 2.47)
Gambia	Female	0.93% (0.71% - 1.19%)	0.63% (0.48% - 0.8%)	1.49% (1.25% - 1.78%)	1.51% (1.25% - 1.8%)	0.0124 (0.009 - 0.0172)	0.0119 (0.0089 - 0.0162)	0.0166 (0.0132 - 0.0207)	0.0282 (0.0223 - 0.036)
Gambia	Male	17.9% (16.7% - 19.3%)	12.7% (11.8% - 13.8%)	15.3% (14.2% - 16.6%)	15.4% (14.3% - 16.7%)	0.203 (0.175 - 0.231)	0.236 (0.196 - 0.279)	0.154 (0.132 - 0.176)	0.263 (0.217 - 0.312)
Ghana	Female	2.66% (2.1% - 3.35%)	3.06% (2.41% - 3.88%)	1.2% (1.02% - 1.39%)	1.19% (1.01% - 1.38%)	0.494 (0.373 - 0.653)	0.817 (0.601 - 1.07)	0.192 (0.152 - 0.235)	0.333 (0.253 - 0.415)
Ghana	Male	10.5% (9.56% - 11.6%)	12.3% (10.2% - 13.8%)	10.4% (9.67% - 11.2%)	10.2% (9.48% - 11.1%)	1.64 (1.39 - 1.91)	3.33 (2.54 - 4.04)	1.37 (1.17 - 1.57)	2.53 (2.05 - 3.03)
Guinea	Female	1.93% (1.42% - 2.6%)	1.67% (1.23% - 2.22%)	1.19% (0.99% - 1.41%)	1.06% (0.88% - 1.27%)	0.148 (0.0961 - 0.222)	0.23 (0.157 - 0.335)	0.0799 (0.0641 - 0.1)	0.14 (0.108 - 0.175)
Guinea	Male	15.2% (14% - 16.7%)	11.4% (10.2% - 13%)	9.15% (8.53% - 9.96%)	9.2% (8.56% - 9.97%)	0.952 (0.814 - 1.11)	1.49 (1.24 - 1.77)	0.5 (0.429 - 0.565)	0.996 (0.842 - 1.16)
Guinea-Bissau	Female	1.37% (1.07% - 1.83%)	1.86% (1.26% - 2.55%)	1.34% (1.12% - 1.6%)	1.18% (0.97% - 1.42%)	0.0153 (0.0109 - 0.022)	0.0359 (0.023 - 0.0513)	0.0138 (0.0107 - 0.0173)	0.0225 (0.0174 - 0.0289)
Guinea-Bissau	Male	9.92% (8.8% - 11.1%)	13.8% (10.3% - 16.2%)	9.86% (8.99% - 10.7%)	9.01% (8.18% - 9.83%)	0.0969 (0.0807 - 0.114)	0.262 (0.189 - 0.331)	0.0773 (0.0652 - 0.0907)	0.142 (0.113 - 0.171)
Liberia	Female	2.14% (1.68% - 2.67%)	1.78% (1.31% - 2.43%)	2.35% (1.93% - 2.82%)	2.28% (1.86% - 2.72%)	0.0583 (0.0417 - 0.0759)	0.0807 (0.0559 - 0.114)	0.0537 (0.041 - 0.0678)	0.101 (0.0745 - 0.129)
Liberia	Male	11.2% (10.2% - 12.3%)	9.28% (8.24% - 10.6%)	13.2% (12.2% - 14.3%)	13.1% (12.2% - 14.2%)	0.285 (0.232 - 0.335)	0.431 (0.335 - 0.535)	0.309 (0.257 - 0.372)	0.572 (0.459 - 0.7)
Mali	Female	2.82% (2.11% - 3.65%)	3.4% (2.51% - 4.5%)	1.33% (1.11% - 1.57%)	1.18% (0.97% - 1.39%)	0.335 (0.232 - 0.48)	0.968 (0.676 - 1.37)	0.156 (0.122 - 0.192)	0.331 (0.257 - 0.414)
Mali	Male	19.1% (17.8% - 20.6%)	19.1% (16.5% - 22.8%)	10.1% (9.29% - 11%)	10.1% (9.32% - 11%)	2.27 (1.89 - 2.68)	5.57 (4.41 - 7.01)	1.06 (0.892 - 1.23)	2.55 (2.12 - 3.04)
Mauritania	Female	8.86% (7.29% - 10.6%)	7.24% (5.9% - 8.86%)	1.44% (1.2% - 1.69%)	1.29% (1.07% - 1.56%)	0.232 (0.183 - 0.286)	0.288 (0.215 - 0.375)	0.0324 (0.0255 - 0.04)	0.0501 (0.039 - 0.0631)
Mauritania	Male	26.8% (24.6% - 29.4%)	21.9% (19.8% - 24.1%)	9.24% (8.52% - 10%)	8.64% (7.88% - 9.48%)	0.594 (0.504 - 0.694)	0.867 (0.703 - 1.05)	0.171 (0.148 - 0.198)	0.305 (0.254 - 0.37)
Niger	Female	1.44% (1.09% - 1.85%)	1.07% (0.77% - 1.54%)	1.32% (1.12% - 1.6%)	1.27% (1.07% - 1.53%)	0.212 (0.148 - 0.286)	0.433 (0.293 - 0.654)	0.166 (0.131 - 0.211)	0.448 (0.345 - 0.582)
Niger	Male	12.5% (11.3% - 13.6%)	9.78% (8.52% - 12%)	11% (10.2% - 11.9%)	10.9% (10.1% - 11.8%)	1.67 (1.39 - 2)	3.86 (3.09 - 4.86)	1.22 (1.03 - 1.42)	3.38 (2.78 - 4.06)
Nigeria	Female	1% (0.74% - 1.31%)	0.5% (0.36% - 0.68%)	1% (0.85% - 1.18%)	0.97% (0.82% - 1.15%)	1.22 (0.852 - 1.78)	1.11 (0.762 - 1.61)	1.12 (0.908 - 1.38)	2.11 (1.68 - 2.68)
Nigeria	Male	5.87% (5.19% - 6.52%)	3.38% (2.91% - 3.97%)	5.56% (5.14% - 6.03%)	5.25% (4.76% - 5.81%)	6.14 (5.18 - 7.19)	7.39 (5.71 - 9.36)	4.79 (4.21 - 5.52)	9.72 (8 - 11.6)
Sao Tome and Principe	Female	1.87% (1.36% - 2.51%)	1.61% (1.16% - 2.27%)	2.94% (2.5% - 3.46%)	2.87% (2.42% - 3.36%)	0.002 (0.0014 - 0.0029)	0.002 (0.0014 - 0.0028)	0.0029 (0.0023 - 0.0035)	0.0036 (0.0027 - 0.0047)
Sao Tome and Principe	Male	7.44% (6.6% - 8.23%)	6.85% (5.9% - 8.28%)	18.6% (17.3% - 20.2%)	20% (18.6% - 21.7%)	0.0078 (0.0064 - 0.0091)	0.0085 (0.0065 - 0.011)	0.0189 (0.0161 - 0.0217)	0.0251 (0.0193 - 0.0313)
Senegal	Female	1.5% (1.1% - 2.04%)	0.78% (0.54% - 1.17%)	0.65% (0.54% - 0.77%)	0.65% (0.54% - 0.78%)	0.138 (0.0941 - 0.195)	0.106 (0.0721 - 0.165)	0.0524 (0.0417 - 0.0648)	0.0879 (0.0694 - 0.109)
Senegal	Male	12.3% (11.4% - 13.3%)	5.75% (5.17% - 6.73%)	16% (14.8% - 17.1%)	16.9% (15.7% - 18.1%)	0.992 (0.844 - 1.13)	0.809 (0.666 - 0.985)	1.1 (0.954 - 1.25)	2.2 (1.84 - 2.57)
Sierra Leone	Female	7.08% (5.73% - 8.58%)	4.69% (3.53% - 6.33%)	2.74% (2.29% - 3.3%)	2.33% (1.87% - 2.93%)	0.351 (0.269 - 0.464)	0.375 (0.269 - 0.523)	0.104 (0.0855 - 0.13)	0.177 (0.137 - 0.23)
Sierra Leone	Male	24.1% (22.7% - 25.5%)	18.1% (16.2% - 20.5%)	6.87% (6.29% - 7.5%)	6.47% (5.88% - 7.18%)	1.02 (0.9 - 1.15)	1.4 (1.18 - 1.67)	0.213 (0.186 - 0.243)	0.43 (0.354 - 0.515)
Togo	Female	2.11% (1.62% - 2.74%)	1.37% (1.04% - 1.79%)	1.54% (1.26% - 1.85%)	1.52% (1.24% - 1.84%)	0.0881 (0.0635 - 0.124)	0.0899 (0.0661 - 0.126)	0.0667 (0.0521 - 0.0849)	0.101 (0.0786 - 0.128)
Togo	Male	12.4% (11.2% - 13.4%)	8.32% (7.47% - 9.25%)	11.8% (10.8% - 12.7%)	11.8% (10.8% - 12.8%)	0.481 (0.397 - 0.562)	0.545 (0.438 - 0.659)	0.429 (0.355 - 0.501)	0.733 (0.58 - 0.876)

Supplementary Results Table S2. Cumulative all-ag	ze counts ar	nd age-standardised rates of years o		y location, sex, and scenario count (Millions)		Age-Standardized Rate (per 100,000)				
Location	Sex	Reference	Difference between Reference and	Difference between Reference and	Difference between Elimination - 2050	Reference	Difference between Reference and	Difference between Reference and	Difference between Elimination - 2050	
Global	Female	22200 (20100-24600)	Elimination - 2023 341 (318-369)	Elimination - 2050 141 (131–154)	and Elimination - 2023 200 (186-216)	14600 (12900-16700)	Elimination - 2023 230 (207-259)	Elimination - 2050 95.7 (85.2–108)	and Elimination - 2023 135 (121-151)	
Global	Male	29300 (26800-32400)	1700 (1570–1850)	735 (675-808)	967 (897–1050)	20600 (18600-23300)	(10)-1300 (1190-1450)	560 (506-629)	745 (675–828)	
Central Europe, Eastern Europe, and Central Asia	Female	1250 (1140-1370)	18.8 (17.2-20.5)	4.66 (4.27-5.14)	14.1 (13-15.5)	11000 (9840-12400)	216 (194-241)	58.5 (52.6-65.8)	157 (143–175)	
Central Europe, Eastern Europe, and Central Asia	Male	1660 (1530-1820)	122 (113–133)	42.9 (39.4–47.6)	79 (73.2–86)	20600 (19000-22600)	1720 (1580–1880)	597 (544–668)	1120 (1030-1220)	
Central Asia	Female	239 (203-293)	1.79 (1.47-2.32)	0.439 (0.345-0.588)	1.36 (1.12-1.72)	12500 (10600-15200)	102 (82.6–128)	25.2 (19.7–33)	76.6 (62.9–95.6)	
Central Asia	Male	337 (291-405)	26.2 (22.9-31.2)	11.6 (9.86-14.3)	14.5 (12.8-17)	20500 (17700-24300)	1860 (1600-2230)	842 (706-1030)	1020 (889-1200)	
Armenia	Female	6.87 (5.83-7.9)	0.0393 (0.0322-0.0462)	0.00746 (0.00598-0.00891)	0.0318 (0.0262-0.0373)	8150 (7250-9220)	57.1 (49-66.2)	12 (10.1–14.3)	45.1 (38.8–51.9)	
Armenia	Male	8.84 (7.47–10.2)	1.2 (1.02–1.38)	0.531 (0.449-0.611)	0.674 (0.577-0.775)	15100 (13500-16800)	2320 (2050-2620)	1000 (883-1130)	1320 (1160–1490)	
Azerbaijan	Female	27.1 (22.3-32.4)	0.0823 (0.0619-0.111)	0.00744 (0.0054-0.0106)	0.0748 (0.0565-0.101)	12900 (10900-15400)	37.8 (29.2-51.1)	3.95 (2.87-5.68)	33.8 (26.4–45.5)	
Azerbaijan	Male	36.5 (30.1-43.4)	4.25 (3.48-5.12)	2.2 (1.78-2.66)	2.05 (1.67-2.46)	19700 (16800-23200)	2420 (2020-2920)	1300 (1080-1590)	1120 (933–1330)	
Georgia	Female	10.1 (8.75-11.5)	0.122 (0.104-0.14)	0.0203 (0.01660.0257)	0.101 (0.0868-0.116)	9550 (8640-10500)	156 (137-177)	29.5 (25.5-34.4)	127 (112-143)	
Georgia	Male	15.1 (13.1–17.1)	1.67 (1.43–1.91)	0.748 (0.64-0.858)	0.922 (0.794-1.05)	22200 (20300-24100)	3040 (2760-3330)	1340 (1210-1480)	1700 (1550–1860)	
Kazakhstan	Female	47.2 (40.7-55.1)	0.354 (0.295-0.428)	0.0383 (0.03-0.0493)	0.316 (0.264-0.38)	11500 (10100-13300)	103 (85.8–125)	12.7 (10.2-16.3)	90 (75.5–109)	
Kazakhstan	Male	68.7 (59.9–79.3)	4.79 (4.09–5.52)	1.32 (1.1–1.59)	3.47 (3-3.97)	21900 (19400-24900)	1790 (1570-2080)	469 (407–556)	1320 (1160–1520)	
Kyrgyzstan	Female	14.7 (11.7–18)	0.236 (0.179-0.306)	0.0534 (0.0396-0.0705)	0.182 (0.139-0.235)	11900 (9830-14300)	207 (162-260)	46.8 (36-60)	160 (126-201)	
Kyrgyzstan	Male	22.4 (17.9-27.5)	2.49 (1.99-3.05)	1.32 (1.05-1.63)	1.17 (0.948-1.41)	21500 (17600-25500)	2990 (2400-3650)	1640 (1300-2030)	1350 (1090-1640)	
Mongolia	Female	8.69 (7.45-10.2)	0.201 (0.171-0.238)	0.0888 (0.0751-0.107)	0.112 (0.0958-0.132)	12700 (10800-15300)	330 (275-401)	144 (119–176)	186 (155-226)	
Mongolia	Male	16.2 (13.8–18.8)	1.54 (1.32–1.81)	0.826 (0.695-0.983)	0.715 (0.622-0.822)	27800 (23500-33300)	3340 (2740-4080)	1740 (1410-2160)	1600 (1330–1940)	
Tajikistan	Female	24.8 (19.8-31)	0.148 (0.108-0.204)	0.0569 (0.0406-0.0808)	0.0908 (0.0675-0.123)	14100 (11300-18000)	92.5 (67.4–130)	34 (24.1–49.4)	58.6 (43.1-81.2)	
Tajikistan	Male	32.6 (25.7-40.6)	1.25 (0.966-1.58)	0.521 (0.398-0.666)	0.732 (0.564-0.915)	18300 (14900-22100)	908 (701–1170)	402 (309-515)	506 (392-651)	
Turkmenistan	Female	14.5 (11.4–18.7)	0.104 (0.0708-0.153)	0.0208 (0.0132-0.033)	0.0834 (0.0577-0.12)	15400 (11900-20800)	121 (80.7–185)	24.4 (15.2-39.1)	96.9 (65.4–145)	
Turkmenistan	Male	22 (17.6-28.1)	0.994 (0.751-1.3)	0.283 (0.212-0.388)	0.711 (0.54-0.922)	25200 (19800-33000)	1310 (932–1840)	395 (278-558)	919 (655-1280)	
Uzbekistan	Female	85.2 (59.6-120)	0.508 (0.339-0.807)	0.145 (0.0937-0.235)	0.363 (0.245-0.567)	13100 (10700-16800)	79.8 (59.7–111)	23.1 (16.7–32.6)	56.7 (43-78.8)	
Uzbekistan	Male	114 (79.9–161)	7.96 (5.44–11.6)	3.86 (2.61–5.77)	4.09 (2.8–5.83)	19500 (15900-24400)	1520 (1200-2010)	761 (585–1030)	763 (602–988)	
Central Europe	Female	318 (296-338)	10 (9.16-10.7)	2.97 (2.7–3.22)	7.05 (6.48-7.51)	8170 (7620-8770)	384 (356-412)	125 (114-135)	260 (242-278)	
Central Europe	Male	419 (390-447)	29.5 (27.2–31.7)	10.3 (9.47-11.1)	19.2 (17.8-20.6)	15300 (14300-16300)	1330 (1240-1430)	462 (430-496)	868 (805–929)	
Albania	Female	6.4 (5.38–7.45)	0.201 (0.165-0.237)	0.0685 (0.0562-0.0812)	0.132 (0.109-0.155)	8850 (7540-10300)	333 (274–391)	119 (97.4–140)	214 (177-251)	
Albania	Male	7.9 (6.69-9.16)	0.963 (0.797-1.13)	0.545 (0.451-0.638)	0.418 (0.341-0.495)	13000 (11100-15100)	1930 (1620-2280)	1120 (945-1310)	817 (679–970)	
Bosnia and Herzegovina	Female	8.9 (7.51–10.3)	0.419 (0.35-0.5)	0.0981 (0.0825-0.117)	0.321 (0.268-0.382)	8010 (6640-9270)	537 (435-642)	140 (110-169)	398 (325-473)	
Bosnia and Herzegovina	Male	10.8 (8.96-12.8)	1.21 (0.998–1.43)	0.488 (0.409-0.574)	0.722 (0.586-0.862)	13000 (10500-15200)	1800 (1400-2160)	729 (573–869)	1070 (829-1290)	
Bulgaria	Female	24.5 (21.4-27.5)	0.593 (0.495-0.706)	0.134 (0.109-0.161)	0.459 (0.386-0.545)	11900 (10500-13400)	470 (397–546)	123 (102–145)	347 (294–402)	
Bulgaria	Male	31.5 (27.4–35.8)	1.93 (1.65-2.23)	0.502 (0.421-0.587)	1.43 (1.23–1.64)	21700 (19100-24500)	1680 (1450–1930)	434 (369–506)	1240 (1080-1430)	
Croatia	Female	11.3 (9.78–12.8)	0.347 (0.293-0.408)	0.0998 (0.0829-0.122)	0.247 (0.209-0.29)	7190 (6500-7930)	367 (327-412)	122 (108–137)	246 (220-274)	
Croatia	Male	13.9 (11.9–15.8)	1.12 (0.95–1.3)	0.428 (0.364-0.493)	0.695 (0.585-0.804)	12700 (11400-13900)	1370 (1220–1510)	547 (493-606)	818 (727-909)	
Czechia	Female	26.4 (23.3-29.6)	0.758 (0.663–0.863)	0.19 (0.163-0.22)	0.568 (0.498-0.643)	6470 (5830-7170)	285 (252–317)	78.5 (68-88.4)	206 (183-229)	
Czechia	Male	34 (29.9-38.1)	2.38 (2.05–2.67)	0.873 (0.751-0.982)	1.51 (1.3–1.69)	11600 (10500-12800)	999 (886-1110)	362 (321-407)	637 (565–707)	
Hungary	Female	30.4 (26.3-34.4)	0.99 (0.826-1.15)	0.276 (0.229-0.326)	0.714 (0.594-0.821)	8720 (7870-9610)	441 (387-493)	134 (116–152)	307 (270-342)	
Hungary	Male	36.1 (30.9-40.9)	2.4 (2.02-2.79)	0.74 (0.62-0.862)	1.66 (1.4–1.92)	15100 (13700-16600)	1270 (1120-1410)	380 (335–423)	889 (784–986)	
Montenegro	Female	1.74 (1.51-2)	0.0769 (0.0649-0.0904)	0.0225 (0.0187-0.0268)	0.0544 (0.046-0.0637)	10000 (8990-11200)	602 (527-688)	190 (166-220)	412 (361–466)	
Montenegro	Male	2.19 (1.88-2.53)	0.211 (0.174-0.249)	0.0898 (0.074-0.106)	0.121 (0.101-0.143)	16600 (14700-18600)	1960 (1680-2250)	824 (706–947)	1140 (980–1300)	
North Macedonia	Female	6.51 (5.28-7.89)	0.245 (0.192-0.31)	0.0568 (0.0439-0.0731)	0.189 (0.149-0.239)	12300 (10500-14200)	641 (535-752)	200 (168-235)	441 (367-519)	
North Macedonia	Male	8.1 (6.51–9.86)	0.755 (0.586-0.947)	0.3 (0.23-0.378)	0.455 (0.356-0.569)	16200 (14000-18800)	1810 (1490-2150)	744 (621–880)	1070 (875-1270)	
Poland	Female	98.8 (86.9-109)	3.58 (3.07-4.09)	1.21 (1.02–1.39)	2.37 (2.04–2.72)	7200 (6530-7750)	378 (335–419)	138 (120–155)	240 (215-264)	
Poland	Male	139 (123-155)	9.4 (8.19-10.6)	3.28 (2.81-3.71)	6.12 (5.36-6.89)	15200 (13800-16500)	1230 (1090–1360)	427 (379-472)	803 (715–886)	
Romania	Female	56.8 (48.3-66.2)	1.22 (1-1.45)	0.28 (0.225-0.339)	0.936 (0.777-1.11)	9330 (8310-10400)	317 (276–362)	86 (74.2–100)	231 (202-261)	
Romania	Male	77.4 (65.4-90.1)	4.83 (4.06-5.69)	1.48 (1.24–1.75)	3.36 (2.82-3.93)	18000 (16200-19900)	1420 (1270–1580)	431 (382–484)	989 (883-1100)	
Serbia	Female	26.8 (23-30.7)	1.24 (1.02–1.46)	0.44 (0.362-0.523)	0.797 (0.657-0.936)	9830 (8800–10900)	662 (580-760)	252 (218–292)	410 (360-470)	
Serbia	Male	32.6 (27.9–37.3)	2.61 (2.18–3.07)	0.868 (0.72-1.04)	1.74 (1.45-2.04)	15300 (13500-17500)	1570 (1350–1820)	519 (446-608)	1050 (905-1220)	
Slovakia	Female	14.5 (12.9–16.2)	0.246 (0.207-0.291)	0.0696 (0.0568-0.0842)	0.176 (0.15-0.206)	8020 (7140-9030)	202 (174-236)	63.6 (54.1-75)	139 (120–161)	
Slovakia	Male	19.3 (17-21.6)	1.41 (1.21–1.6)	0.622 (0.535-0.704)	0.79 (0.678-0.896)	14700 (13000-16300)	1290 (1130-1450)	551 (484-622)	735 (644–832)	
Slovenia	Female	4.54 (4.03-5.08)	0.108 (0.088–0.128)	0.0285 (0.0227-0.0344)	0.0792 (0.065-0.0937)	4810 (4260-5340)	198 (168-230)	61.4 (51.2-72.4)	137 (117–158)	
Slovenia	Male	6.13 (5.45-6.85)	0.294 (0.25-0.336)	0.0755 (0.0629-0.087)	0.219 (0.187-0.25)	9250 (8380–10100)	581 (506-654)	159 (136–179)	423 (370-476)	
Eastern Europe	Female	691 (605–783)	6.96 (5.83-8.28)	1.25 (1.01–1.56)	5.71 (4.8–6.75)	11000 (9720-12500)	171 (145-207)	38.9 (31.3-48.5)	132 (112–158)	
Eastern Europe	Male	907 (801–1030)	66.3 (58.7–75)	21 (18.6-24.1)	45.2 (40.2–51.3)	22700 (20400-25300)	1910 (1680-2170)	594 (523-685)	1320 (1160–1490)	
Belarus	Female	30.1 (25.1–35.7)	0.258 (0.201-0.338)	0.0283 (0.0206-0.04)	0.229 (0.179-0.297)	9900 (8270–12000)	141 (111–186)	20.6 (15.7–29.2)	120 (94.7–156)	
Belarus	Male	42.3 (35.1–49.9)	4.71 (3.97–5.46)	2.3 (1.95-2.66)	2.41 (2.03-2.8)	23300 (19600-27500)	3220 (2660-3850)	1550 (1280-1870)	1670 (1370–1980)	
Estonia	Female	3.38 (3.01–3.76)	0.0479 (0.0414-0.0551)	0.0146 (0.0123-0.0169)	0.0333 (0.029-0.0384)	6330 (5680-6990)	151 (131–172)	49.7 (43.1–56.4)	102 (88.3–115)	
Estonia	Male	4.24 (3.75–4.74)	0.211 (0.182-0.24)	0.0597 (0.0516-0.0683)	0.151 (0.131-0.172)	13500 (12100-14900)	823 (723-930)	229 (201–258)	594 (522-673)	
Latvia	Female	5.87 (5.21–6.52)	0.0776 (0.0661-0.0886)	0.0165 (0.0138-0.0191)	0.0611 (0.0526-0.0695)	8780 (7840-9760)	192 (168–217)	47.3 (41.1–54.5)	145 (127-163)	
Latvia	Male	7.26 (6.42-8.07)	0.458 (0.405-0.516)	0.14 (0.122-0.16)	0.318 (0.282-0.358)	19200 (17200-20900)	1490 (1310–1660)	450 (395–503)	1040 (913-1150)	
Lithuania	Female	8.38 (7.41-9.3)	0.0852 (0.0725-0.0977)	0.0237 (0.0199-0.0279)	0.0614 (0.0526-0.0704)	8450 (7490-9350)	158 (137–179)	51 (43.7–58.5)	107 (92.9–121)	
Lithuania	Male	10.8 (9.65–12)	0.706 (0.626-0.787)	0.249 (0.22-0.279)	0.457 (0.407-0.511)	19700 (17800-21500)	1610 (1440–1780)	580 (521-637)	1030 (919–1150)	
Republic of Moldova	Female	10.3 (8.34–12.6)	0.0968 (0.0752-0.124)	0.00824 (0.00611-0.0112)	0.0886 (0.0684-0.113)	10100 (8780-11900)	119 (99.8–149)	12.6 (10.2–16.5)	106 (89.3–132)	
Republic of Moldova	Male	14.3 (11.6–17.2)	1.39 (1.11–1.67)	0.504 (0.396-0.618)	0.891 (0.719-1.06)	20300 (17800-23200)	2200 (1960-2550)	787 (690–937)	1410 (1260–1600)	
Russian Federation	Female	481 (408–558)	5.33 (4.33–6.45)	1.04 (0.825–1.3)	4.29 (3.51–5.15)	11000 (9810-12300)	187 (158–221)	45.3 (36.3–56.5)	142 (121–166)	
Russian Federation	Male	632 (537–733)	46.3 (39.4–54)	14.5 (12.3–17.2)	31.8 (27.1–37)	22500 (20200-24700)	1890 (1670-2140)	575 (500–666)	1320 (1170–1480)	
Ukraine	Female	152 (115-202)	1.07 (0.709–1.58)	0.122 (0.0833-0.183)	0.946 (0.62-1.39)	11800 (8320-16600)	129 (79.6–190)	20.7 (12.3–31.8)	108 (67.5–159)	
Ukraine	Male	196 (141-258)	12.5 (9.17–15.9)	3.28 (2.47-4.13)	9.22 (6.74–11.8)	24600 (17300-33400)	1810 (1230-2520)	498 (342-674)	1310 (877-1840)	
High-income	Female	2560 (2480-2650)	77.8 (74.5-81)	22.7 (21.7-23.7)	55.1 (52.8–57.4)	6560 (6390-6760)	280 (272–287)	87.1 (84.3-90)	193 (188–197)	
High-income	Male	3140 (3050-3240)	150 (145–156)	50.3 (48.5-52.5)	99.7 (96.6–104)	10600 (10400-10800)	614 (602-630)	207 (202-214)	407 (400-417)	
Australasia	Female	61.2 (57.7-64.9)	1.5 (1.4–1.59)	0.346 (0.324-0.369)	1.15 (1.08–1.22)	5410 (5250-5580)	185 (179–192)	47.7 (45.6-50)	137 (133–143)	
Australasia	Male	75.3 (70.6–79.6)	1.99 (1.88–2.12)	0.634 (0.597-0.675)	1.36 (1.28–1.45)	8400 (8190-8650)	287 (276–297)	94.3 (90-98.8)	192 (186–199)	

Supplementary Results Table S2. Cumulative	all-age counts ar	nd age-standardised rates of year	rs of life lost (YLLs) between 2022 to 2050 by	location, sex, and scenario					
			-	ount (Millions)				d Rate (per 100,000)	
Location	Sex	Reference	Difference between Reference and Elimination - 2023	Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023	Reference	Difference between Reference and Elimination - 2023	Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023
Australia	Female	50.3 (46.7-53.8) 62.7	1.14 (1.06–1.23) 1.46	0.249 (0.23–0.268) 0.397	0.89 (0.823-0.96)	5220 (5070-5400)	169 (163–176) 254	42.4 (40.1–44.8) 73.9	127 (122–132) 180
Australia	Male	62.7 (58.1-67.1) 11	1.46 (1.35–1.57) 0.357	0.397 (0.365-0.43) 0.0965	1.06 (0.985–1.14) 0.26	8330 (8110-8570) 6380	254 (245-265) 268	(70.1–78.2) 76.1	180 (173–188) 192
New Zealand	Female	(10-11.9) 12.7	(0.326-0.391) 0.534	(0.0882-0.106) 0.237	(0.237-0.286) 0.297	(6140-6640) 8780	(254–282) 459	(71.8–80.3) 204	(182–202) 255
New Zealand	Male	(11.6–13.7) 378	(0.487-0.583) 5.36	(0.235) (0.215-0.259) 1.42	(0.271-0.325) 3.93	(8480-9080) 4070	(439–479) 87.9	(195–213) 19.9	(244-266) 68
High-income Asia Pacific	Female	(355-401) 484	(5.02–5.73) 23.7	(1.31–1.56) 5.54	(3.67-4.2) 18.1	(3990–4160) 7460	(85.3–90.9) 480	(18.8–21.2) 108	(66-70.2) 373
High-income Asia Pacific	Male	(455-513) 0.931	(22.3-25.4) 0.0311	(5.19-6) 0.0141	(17–19.4) 0.017	(7320-7610) 11100	(464-501)	(103-114) 190	(361-388) 220
Brunei Darussalam	Female	(0.789-1.09) 1.25	(0.0263-0.0365) 0.0954	(0.012-0.0167) 0.0419	(0.0144-0.0199) 0.0534	(9890-12500) 15100	(361–468) 1250	(167-216) 670	(193–253) 576
Brunei Darussalam	Male	(1.05-1.47) 278	(0.0805-0.113) 3.26	(0.0354-0.0492) 0.335	(0.0449-0.0632) 2.92	(13400-17200) 4080	(1100-1410) 90.3	(595-761) 13.2	(503–664) 77.2
Japan	Female	(255–299) 343	(2.97–3.52) 14.1	(0.307-0.363) 2.4	(2.66-3.16) 11.7	(4000-4160) 7520	(87.5–93.4) 438	(12.6–13.8) 74.8	(74.6-80) 363
Japan	Male	343 (316–369) 91,3	(12.9–15.2) 1.97	(2.2–2.66) 1.06	(10.7–12.6) 0.907	(7380-7680) 4140	438 (425-455) 104	/4.8 (71.9–78) 52.2	363 (352–377) 52.3
Republic of Korea	Female	(84.5-97.7)	(1.77-2.2)	(0.945-1.2)	(0.815-1.01)	(3970-4320)	(96.4-114)	(47.8-57.5)	(48.6-56.7)
Republic of Korea	Male	129 (119–138)	8.93 (8.07-9.93)	2.95 (2.66-3.29)	5.98 (5.41–6.65)	7560 (7310-7820)	627 (589–676)	215 (200-235)	412 (387–444)
Singapore	Female	8.53 (7.85-9.23)	0.105 (0.0955-0.114)	0.0158 (0.0141-0.0179)	0.0889 (0.0809-0.0972)	3730 (3570-3900)	57.8 (55.2-60.7)	7.69 (7.32-8.09)	50.1 (47.9-52.8)
Singapore	Male	11.4 (10.5–12.4)	0.576 (0.526-0.631)	0.147 (0.134-0.161)	0.429 (0.392-0.47)	5510 (5310-5780)	322 (307–338)	82.7 (78.6-87.6)	239 (228–251)
High-income North America	Female	989 (926–1060)	39.9 (37.1-42.6)	12.4 (11.5–13.3)	27.4 (25.5-29.4)	8840 (8530-9180)	446 (432–464)	145 (140-152)	301 (292–313)
High-income North America	Male	1220 (1150-1300)	53.9 (50.1–57.9)	21.6 (20.1–23.3)	32.2 (30-34.6)	13900 (13500-14300)	708 (682–735)	281 (271–293)	426 (411–442)
Canada	Female	86.6 (81.1–92.6)	3.02 (2.8–3.28)	0.804 (0.741-0.868)	2.22 (2.06-2.42)	6210 (5970-6470)	282 (270–297)	81 (76.9-85.3)	201 (193–212)
Canada	Male	103 (96.5-110)	4.22 (3.9–4.6)	1.58 (1.46-1.73)	2.64 (2.44–2.88)	9430 (9110-9770)	464 (446–485)	175 (168–183)	289 (278–303)
Greenland	Female	0.141 (0.124-0.16)	0.0125 (0.011-0.0142)	0.00499 (0.00435-0.00569)	0.00752 (0.00658-0.00853)	11400 (10200-12900)	1090 (969–1260)	443 (393–514)	647 (577-749)
Greenland	Male	0.232 (0.202-0.263)	0.0171 (0.0148-0.0197)	0.006 (0.00516-0.00698)	0.0111 (0.0096-0.0127)	18500 (16600-21200)	1530 (1330–1780)	539 (471–626)	992 (864–1160)
United States of America	Female	903 (837–969)	36.8 (34–39.6)	11.6 (10.7-12.5)	25.2 (23.3-27.1)	9180 (8850-9540)	468 (452–487)	154 (147-161)	314 (304–327)
United States of America	Male	1120 (1040-1200)	49.6 (45.9-53.5)	20.1 (18.6-21.7)	29.6 (27.4–31.9)	14400 (14000-14900)	739 (709–770)	295 (283-308)	444 (427-461)
Southern Latin America	Female	150 (136–167)	5.12 (4.53-5.81)	2.15 (1.88-2.47)	2.96 (2.64-3.34)	8580 (8180-9030)	349 (329–371)	149 (140-160)	200 (190-211)
Southern Latin America	Male	189 (171–209)	9.2 (8.2–10.3)	3.78 (3.33-4.26)	5.43 (4.86-6.04)	13600 (13100-14200)	723 (687–758)	289 (272-306)	433 (413-453)
Argentina	Female	104 (90.6-121)	4.22 (3.64-4.9)	1.88 (1.63-2.2)	2.33 (2.02-2.71)	9460 (89909970)	442 (416-471)	198 (185-213)	245 (231-260)
Argentina	Male	131 (113-151)	7.35 (6.33-8.47)	3.2 (2.74–3.69)	4.16 (3.59-4.79)	14900 (14200-15600)	902 (860-945)	377 (357-397)	524 (501-548)
Chile	Female	37.5 (34-41.3)	0.691 (0.618-0.764)	0.197 (0.176-0.222)	0.493 (0.442-0.544)	6570 (6310-6850)	165 (156-174)	51.9 (48.3-56.1)	113 (107–118)
Chile	Male	47.1 (42.9-51.9)	1.17 (1.06–1.3)	0.295 (0.265-0.332)	0.879 (0.791-0.97)	10700 (10200-11100)	303 (287–317)	79 (73.2–84.9)	224 (213–234)
Uruguay	Female	8.73 (7.53-9.91)	0.208 (0.178-0.238)	0.0711 (0.06020.0816)	0.137 (0.117-0.156)	9080 (86909500)	298 (282-314)	109 (102-116)	189 (180–199)
Uruguay	Male	11.2 (9.67–12.7)	0.677 (0.578-0.77)	0.287 (0.246-0.328)	0.39 (0.333-0.444)	16600 (16000-17400)	1150 (1090–1210)	473 (448-499)	673 (639–705)
Western Europe	Female	983 (945-1020)	26 (24.8–27.1)	6.34 (6.07-6.61)	19.6 (18.8-20.5)	5470 (5370-5600)	230 (224–236)	61.7 (60-63.5)	168 (164–173)
Western Europe	Male	1160 (1120–1200)	61.3 (58.6–64)	18.7 (17.9–19.6)	42.6 (40.8-44.4)	8680 (8530-8840)	599 (584–618)	186 (181–193)	412 (402-425)
Andorra	Female	0.155 (0.127-0.189)	0.00368 (0.00279-0.00469)	0.000667 (0.000479-0.000887)	0.00302 (0.00231-0.0038)	4590 (3420-5910)	155 (110-207)	34.5 (23.7–47.1)	120 (86.3–160)
Andorra	Male	0.229 (0.178-0.284)	0.0164 (0.0124-0.0204)	0.00533 (0.00413-0.0065)	0.0111 (0.00821-0.0139)	7760 (5570–10100)	651 (459–866)	215 (153–282)	437 (306–587)
Austria	Female	(0.173-0.234) 19.2 (17.3-21)	0.475 (0.427-0.522)	0.111 (0.0987-0.123)	0.364 (0.327-0.401)	5070 (4890-5250)	204 (194–215)	54.8 (51.8–58.1)	(300-337) 149 (142-158)
Austria	Male	(17.3=21) 23 (20.7=25.1)	1.26 (1.13–1.38)	0.312 (0.28-0.343)	0.944 (0.853-1.04)	(4890-3230) 8220 (7930-8510)	571 (545-600)	(31.8-38.1) 147 (139-155)	424 (405–445)
Belgium	Female	(20.7=2.5.1) 25.9 (23.5=28.5)	0.696 (0.627-0.78)	0.139 (0.125-0.156)	0.558 (0.501-0.624)	5870 (5670-6110)	246 (234–259)	56.6 (53.4–60.3)	189 (179–199)
	Male	31	1.72	0.558 (0.498-0.624)	1.16	(5670-6110) 9120 (8830-9420)	(234-259) 643 (614-675)	211	432
Belgium		(28.1-34) 2.6	(1.54–1.92) 0.0516	0.00859	(1.04–1.3) 0.043	5640	143	(201-222) 26.6	(412–454) 116
Cyprus	Female	(2.24-2.94) 3.19	(0.0434-0.06) 0.239	(0.00727-0.0102) 0.0879	(0.0362-0.0499) 0.151	(5150-6180) 8680	(126–160) 826	(23.2–30.3) 321	(103–130) 506
Cyprus	Male	(2.74–3.68) 13.7	(0.201-0.281) 0.663	(0.0742-0.103) 0.224	(0.127-0.177) 0.439	(7750–9770) 6150	(717–940) 428	(280-363) 145	(436–579) 282
Denmark	Female	(12.5–15) 15.8	(0.602-0.727) 0.913	(0.203-0.244) 0.42	(0.398-0.483) 0.493	(5930-6390) 8840	(404-451) 687	(137-153) 315	(268–298) 372
Denmark	Male	(14.5-17.3) 12.6	(0.822-1.01) 0.192	(0.377-0.467) 0.0384	(0.443-0.546) 0.154	(8550-9150) 5420	(654–728) 145	(298-336) 35.5	(355–392) 109
Finland	Female	(11.3-13.9) 15.6	(0.17-0.212) 0.549	(0.0338-0.0424) 0.137	(0.136-0.17) 0.413	(5230-5620) 9390	(137–154) 435	(33.3-37.8) 114	(103-116) 321
Finland	Male	(13.9–17) 138	(0.489-0.615) 3.22	(0.121-0.153) 0.804	(0.367-0.462) 2.42	(9070-9720) 5050	(412–460) 207	(108–121) 61.3	(304–339) 146
France	Female	(124–153) 170	(2.81-3.67) 9.18	(0.699-0.925) 2.47	(2.11-2.73) 6.71	(4920-5200) 9040	(193-223) 643	(56.6-67) 181	(137–157) 463
France	Male	(153–188) 214	(8.12-10.2) 5.49	(2.18-2.76) 1.06	(5.94-7.47) 4.43	(8840-9250) 6070	(599-682) 258	(168–194) 59.5	(432–490) 198
Germany	Female	(192-235) 255	(4.85-6.08) 12.8	(0.935-1.18) 3.38	(3.92-4.91) 9.46	(5940-6200) 9500	(247-268) 654	(56.1-62.8) 182	(190-207) 473
Germany	Male	(228-280) 26	(11.4–14.2) 0.859	(3.01-3.72) 0.253	(8.41-10.4) 0.606	(9330-9700) 6200	(628-683) 353	(174-191) 107	(454–493) 246
Greece	Female	(22.4–29.5) 30.9	(0.736-0.982) 2.75	(0.215-0.293) 0.93	(0.521-0.691) 1.82	(6000-6420) 10700	(336–370) 1210	(101–114) 413	(234–258) 801
Greece	Male	(26.5-35) 0.644	(2.36-3.14) 0.0206	(0.793-1.07) 0.00335	(1.56-2.07) 0.0173	(10400-11000) 5140	(1160-1280) 232	(392–435) 41.6	(766–841) 191
Iceland	Female	(0.584-0.712) 0.809	(0.0182-0.0232) 0.0345	(0.00294-0.00382) 0.0141	(0.0153-0.0194) 0.0203	(4790-5560) 7650	(213-253) 399	(37.8–46.1) 162	(175-208) 237
Iceland	Male	(0.73-0.89) 8.95	(0.0304-0.0384) 0.357	(0.0125-0.0157) 0.0872	(0.018-0.0226) 0.269	(7130-8270) 5050	(368–436) 270	(150–177) 67.3	(219-259) 203
Ireland	Female	(7.97–9.83) 10.4	(0.314-0.397) 0.486	(0.0767-0.0974) 0.147	(0.238-0.3) 0.339	(4860-5260) 7100	(253-288) 411	(63.1–72) 125	(190-216) 287
Ireland	Male	(9.3–11.4) 13.8	(0.429-0.535) 0.249	(0.13-0.162) 0.0573	(0.3-0.374) 0.192	(6820-7400) 4640	(391–433) 125	(118-132) 30.4	(272-302) 94.6
Israel	Female	(12–16) 17.1	(0.211-0.291) 0.765	(0.0486-0.0671) 0.21	(0.162-0.225) 0.555	(4460–4850) 7240	(118–133) 410	(28.5–32.5)	(89.3-101) 299
Israel	Male	(14.7–19.7) 139	(0.644–0.895) 2.84	(0.175-0.244) 0.461	(0.467-0.649) 2.38	(6910-7590) 4860	(387–436) 172	(104–117) 36.4	(282–318) 136
Italy	Female	(126–151) 157	(2.56–3.13) 8.14	(0.412-0.512) 2.62	(2.14-2.62) 5.52	(4750-4970) 7680	(165-180) 529	(34.5–38.5) 173	(130-142) 356
Italy	Male	(142–171) 1.28	(7.32-9.05)	(2.36-2.91)	(4.97-6.12)	(7520-7840) 5200	(509-552) 224	(166–181) 52.7	(342–372) 171
Luxembourg	Female	1.28 (1.16–1.41) 1.64	0.0424 (0.0375-0.047) 0.107	0.00972 (0.00853-0.0108) 0.0402	0.0327 (0.029-0.0362) 0.0669	5200 (4830–5630) 7990	224 (204–245) 621	52.7 (47.7–57.9) 226	171 (156–187) 395
Luxembourg	Male	(1.47-1.82)	(0.0937-0.121)	(0.0352-0.0454)	(0.0585-0.0755)	(7320-8700)	(562-685)	(205-250)	(357-434)
Malta	Female	1.02 (0.882-1.16)	0.0199 (0.017-0.0229)	0.00378 (0.00322-0.00435) 0.0162	0.0161 (0.0137-0.0186)	5650 (5160-6190)	179 (162–197) 407	40.6 (36.5-45)	139 (126–153) 240
Malta	Male	1.16 (1-1.32)	0.0548 (0.0474-0.0632)	0.0163 (0.0142-0.0189)	0.0385 (0.0333-0.0442)	8050 (7360-8870)	497 (455–543)	156 (143–171)	340 (313–371)
Monaco	Female	0.113 (0.0973-0.129)	0.0037 (0.00302-0.00445)	0.00088 (0.000704-0.00107)	0.00282 (0.00232-0.00339)	7800 (6470-9240)	418 (336–514)	120 (94.6-152)	298 (241-365)
Monaco	Male	0.129 (0.114-0.146)	0.00819 (0.0069-0.00957)	0.00318 (0.00269-0.0037)	0.00501 (0.0042-0.00587)	11700 (10200-13500)	999 (854–1170)	393 (334–462)	606 (519–708)
Netherlands	Female	41.2 (37.2-45.1)	1.43 (1.28–1.6)	0.448 (0.4-0.502)	0.985 (0.88-1.1)	6320 (6140-6490)	325 (308-341)	106 (99.6–112)	219 (208–229)
Netherlands	Male	45.2 (40.8-49.5)	2.23 (1.99–2.46)	0.858 (0.765-0.945)	1.38 (1.22–1.52)	8320 (8070-8560)	559 (534–582)	221 (211–233)	337 (323–352)
Norway	Female	10.9 (10-12)	0.13 (0.118-0.144)	0.0173 (0.0154-0.0193)	0.113 (0.102-0.125)	5380 (5230-5510)	101 (96.4–106)	15.5 (14.6–16.6)	85.7 (81.6-90)
Norway	Male	12.8 (11.6-13.9)	0.262 (0.237-0.288)	0.042 (0.0379-0.0465)	0.22 (0.199-0.242)	7390 (7210-7590)	210 (201–221)	38.9 (36.9-41.3)	172 (164–180)
Portugal	Female	24.5 (21.6–27.6)	0.257 (0.225-0.29)	0.0643 (0.0562-0.0726)	0.193 (0.167-0.218)	4880 (4720-5040)	109 (104–115)	33.7 (31.7–36)	75.6 (71.9–79.6)
Portugal	Male	29.7 (26-33.5)	1.34 (1.16–1.52)	0.308 (0.269-0.346)	1.03 (0.893-1.17)	9130 (8870-9370)	576 (549-603)	146 (138–154)	430 (411–450)
San Marino	Female	0.06 (0.0458-0.0745)	0.00108 (0.000746-0.00144)	0.000162 (0.000109-0.000223)	0.000923 (0.000636-0.00122)	3770 (2520-5280)	111 (71–158)	22.3 (14.1-32.5)	88.7 (56.8–126)
San Marino	Male	0.0677 (0.0524-0.0846)	0.00354 (0.002530.0046)	0.00133 (0.001-0.00167)	0.00221 (0.00152-0.00293)	5610 (3850-7690)	374 (249–540)	134 (90.4–192)	240 (158-348)
	1	-		-	- 1		-	•	

Supplementary Results Table S2. Cumulative	all-age counts an	d age-standardised rates of yea	urs of life lost (YLLs) between 2022 to 2050 by	location, sex, and scenario					
	-		All-Age Co Difference between Reference and	unt (Millions) Difference between Reference and	Difference between Elimination - 2050			ed Rate (per 100,000) Difference between Reference and	Difference between Elimination - 2050
Location	Sex	Reference 95.4	Elimination - 2023 1.34	Elimination - 2050 0.27	and Elimination - 2023 1.07	Reference 4520	Elimination - 2023 122	Elimination - 2050 29.2	and Elimination - 2023 92.3
Spain	Female	(85.1-104) 120	(1.19–1.47) 7.27	(0.239-0.299) 1.74	(0.95-1.18) 5.53	(4400-4640) 7970	(115-129) 618	(27.3–31.2) 154	(87.1–98.5) 464
Spain	Male	(107–132) 21.4	(6.4-8.06) 0.736	(1.55–1.93) 0.272	(4.86-6.13) 0.463	(7810-8140) 5070	(594-645) 261	(148–161) 102	(446–484) 160
Sweden	Female	(19.2–23.9) 24.4	(0.645-0.833) 0.913	(0.238-0.311) 0.458	(0.407-0.521) 0.455	(4590-5600) 7020	(234-292) 346	(90.4–115) 171	(143–178) 174
Sweden	Male	(21.6-27.6) 17.2 (15.6-18.9)	(0.796-1.05) 0.54 (0.487-0.597)	(0.399-0.526) 0.126 (0.113-0.141)	(0.398-0.52) 0.414	(6230-7820) 4480 (4330-4640)	(303-393) 206 (195-217)	(150-194) 53.1 (49.8-57)	(153–198) 153
Switzerland	Female Male	(15.6–18.9) 19.9 (18.1–21.8)	(0.487-0.597) 1.06 (0.952-1.18)	(0.113-0.141) 0.362 (0.323-0.404)	(0.371-0.46) 0.7 (0.627-0.775)	(4330-4640) 6510 (6290-6740)	(195–217) 436 (414–462)	(49.8–57) 146 (138–156)	(145–161) 290 (276–307)
United Kingdom	Female	(16.1-21.8) 155 (146-164)	6.35 (5.96–6.72)	(0.323-0.404) 1.87 (1.76-1.99)	(4.47 (4.2–4.74)	6480 (6300-6660)	(414-402) 362 (349-374)	(138-136) 108 (104-112)	254 (245-263)
United Kingdom	Male	178 (169–187)	9.13 (8.51-9.71)	3.57 (3.32–3.8)	5.56 (5.18-5.92)	9300 (9070-9540)	603 (581-623)	236 (227-245)	367 (354–380)
Latin America and Caribbean	Female	1450 (1280–1660)	24 (21-28.3)	8.86 (7.62–10.6)	15.1 (13.4–17.6)	11300 (9910–13300)	198 (174-234)	72.5 (63.5-86.8)	126 (110–148)
Latin America and Caribbean	Male	2010 (1820-2240)	57.6 (51.6-65)	26.1 (23.1–29.9)	31.5 (28.5-35.1)	18600 (17000-20700)	579 (524-660)	255 (227–293)	324 (296-367)
Andean Latin America	Female	140 (119–162)	0.973 (0.82-1.12)	0.332 (0.272-0.394)	0.641 (0.549-0.737)	10800 (9130-12900)	81 (67.9-95.8)	26.9 (22-32.5)	54.1 (45.8-63.3)
Andean Latin America	Male	176 (149–203)	3.65 (3.14-4.17)	1.55 (1.32-1.81)	2.09 (1.81-2.38)	14600 (12300-17400)	339 (286-403)	140 (116-167)	200 (170-236)
Bolivia (Plurinational State of)	Female	34.6 (27.6-42.8)	0.287 (0.221-0.365)	0.158 (0.119-0.206)	0.129 (0.102-0.159)	17200 (13800-21900)	155 (117-203)	77.3 (57.4–104)	77.5 (59.5–100)
Bolivia (Plurinational State of)	Male	38.9 (30.8–48.1)	1.07 (0.831-1.34)	0.598 (0.452-0.763)	0.47 (0.377-0.577)	20000 (16000-25400)	656 (505-853)	333 (254–435)	324 (254–418)
Ecuador	Female	37.3 (30.5-44.1)	0.318 (0.245-0.393)	0.102 (0.0767-0.127)	0.216 (0.168-0.265)	10200 (8470-12200)	97.6 (77.9–122)	31.1 (24.7–39.2)	66.5 (53.2-82.5)
Ecuador	Male	50.8 (39.8–61.6)	1.13 (0.876–1.41)	0.445 (0.34-0.562)	0.687 (0.534-0.845)	15500 (12600-18900)	395 (307-504)	149 (115–191)	246 (191–313)
Peru	Female	68.2 (55.7-82.7)	0.368 (0.291-0.455)	0.072 (0.0567-0.0907)	0.296 (0.235-0.364)	9240 (7500-11400)	53.9 (42.3-67.9)	10.7 (8.32–13.6)	43.2 (34-54.1)
Peru	Male	86 (70-104)	1.44 (1.19–1.76)	0.511 (0.424-0.614)	0.934 (0.764-1.14)	12700 (10200-15600)	237 (191–294)	84.5 (68.1–105)	153 (123–190)
Caribbean	Female	155 (131–186)	2.7 (2.35–3.08)	1.09 (0.93–1.28)	1.61 (1.42–1.81)	18000 (14900-21800)	305 (264–364)	123 (104–149)	181 (159–214)
Caribbean	Male	192 (164–226)	6.69 (5.93-7.49)	3.05 (2.65–3.45)	3.64 (3.25-4.02)	24000 (20100-28600)	867 (758–1000)	382 (331–447)	485 (426-551)
Antigua and Barbuda	Female	0.248 (0.215-0.283)	0.00369 (0.00318-0.00426)	0.00135 (0.00115-0.00156)	0.00235 (0.00203-0.00271)	11600 (10800-12800)	191 (176-213)	70.8 (64.6-79.4)	120 (111–133)
Antigua and Barbuda	Male	0.272 (0.236-0.309)	0.00893 (0.00770.0103)	0.00442 (0.00378-0.00511)	0.00451 (0.0039-0.00515)	14800 (13900-16100)	545 (504–598)	265 (245-291)	280 (261–306)
Bahamas	Female	1.15 (0.922–1.41) 1.57	0.0122 (0.00967-0.0149) 0.0478	0.00531 (0.004230.00648) 0.0263	0.00685 (0.00544-0.00838) 0.0215	13100 (10600-16100) 21800	148 (118–183) 720	65.4 (52.2-81) 392	82.4 (66–102) 328
Bahamas	Male	1.57 (1.24–1.93) 0.979	0.0478 (0.0384-0.0576) 0.00371	0.0263 (0.0211-0.0319) 0.000606	0.0215 (0.0173-0.0256) 0.0031	21800 (17600-26700) 12200	720 (575–898) 62.9	392 (313–489) 11.7	328 (262-410) 51.2
Barbados	Female	0.979 (0.799–1.18) 0.985	(0.003971 (0.00292-0.00472) 0.0242	0.000606 (0.0004810.000765) 0.0101	0.0031 (0.00243-0.00395) 0.0142	(9800–15200) 14800	62.9 (49.1-80.5) 436	(9.19–15) 185	51.2 (39.9-65.6) 251
Barbados	Male	(0.79-1.21)	(0.0196-0.0292) 0.0145	(0.00845-0.0118) 0.0064	(0.0113-0.0174) 0.00813	(11500-18700) 12300	(345-539) 185	(151-225) 78.9	(195-315) 106
Belize	Female	(0.845-1.23) 1.57	(0.012-0.0176) 0.058	(0.00523-0.0078) 0.0307	(0.00672-0.0098) 0.0273	(10700-14500) 19600	(157–222) 862	(66.3–95) 430	(90.5-127) 432
Belize	Male	(1.32–1.85) 0.137	(0.0473-0.0688) 0.00255	(0.0248-0.0369) 0.000904	(0.0225-0.0321) 0.00165	(17100-22500) 5210	(728-1010) 128	(362-508) 51.2	(366-499) 77.2
Bermada	Female	(0.117-0.161) 0.195	(0.00213-0.00307) 0.0086	(0.000752-0.00109) 0.00364	(0.00138-0.00199) 0.00496	(4480-6350) 10800	(108–161) 580	(43-64.2) 250	(65.4–96.9) 330
Bermada	Male	(0.168-0.225) 29.7	(0.00733-0.00994) 0.927	(0.0031-0.00421) 0.267	(0.00423-0.00575) 0.66	(9270-12700) 8340	(498-685) 346	(214-295) 108	(283-391) 237
Cuba	Female	(25.9-33.9) 38.8	(0.792-1.08) 2.64	(0.225-0.316) 0.945	(0.566-0.762) 1.69	(7420-9470) 13800	(303-402) 1120	(93-127) 399	(209-275) 718
Cuba	Male	(33-44.5) 0.204	(2.24-3.06) 0.00197	(0.793-1.12) 0.000453	(1.45–1.95) 0.00152	(12000-15600) 16700	(957–1290) 165	(340-468) 39.2	(619-823) 126
Dominica	Female	(0.168-0.249) 0.282	(0.00161-0.00239) 0.00824	(0.000368-0.00055) 0.00404	(0.00124-0.00184) 0.00421	(13900-20700) 24100	(137–201) 741	(32.5–47.9) 358	(104–153) 383
Dominica	Male	(0.233-0.341) 25.1	(0.00686-0.00985) 0.871	(0.00335-0.00484) 0.488	(0.00351-0.00502) 0.382	(20000-29500) 12200	(632885) 458	(305–426) 254	(328–459) 204
Dominican Republic	Female Male	(20.2-30.9) 37.8 (30.6-46.3)	(0.697-1.07) 1.67 (1.34-2.06)	(0.389-0.603) 1.06 (0.848-1.31)	(0.307-0.47) 0.612 (0.491-0.755)	(10200-14900) 19600 (16500-23400)	(377-569) 956 (762-1220)	(209-318) 591 (473-753)	(168-252) 364 (291-464)
Grenada	Female	0.295 (0.249-0.341)	0.00306 (0.0026-0.00358)	0.001 (0.00084-0.0012)	0.00205 (0.00174-0.00238)	14500 (12600-16700)	170 (146–197)	56.8 (48.6-67.4)	113 (98.2–130)
Grenada	Male	0.396 (0.333-0.457)	0.0115 (0.00968-0.0134)	0.00481 (0.00396-0.00576)	0.00668 (0.00571-0.00772)	21400 (18600-24900)	707 (608–827)	282 (240-335)	424 (366-492)
Guyana	Female	2.15 (1.65-2.69)	0.0202 (0.0156-0.0251)	0.00899 (0.0068-0.0114)	0.0112 (0.00879-0.0136)	18100 (14000-23000)	189 (144-243)	83.7 (63-108)	106 (80.8-135)
Guyana	Male	3.13 (2.39–3.93)	0.082 (0.0637-0.101)	0.0298 (0.0216-0.0385)	0.0522 (0.0416-0.0635)	30300 (23300-38100)	925 (681–1200)	329 (244-429)	596 (441-769)
Haiti	Female	68.1 (48-91.7)	0.431 (0.297-0.599)	0.202 (0.137-0.287)	0.229 (0.159-0.315)	33200 (24900-43800)	254 (177-363)	118 (81.8–170)	136 (94.8–193)
Haiti	Male	73.3 (51.4–100)	0.925 (0.644-1.25)	0.455 (0.307-0.634)	0.47 (0.338-0.62)	36700 (27600-49400)	602 (412-830)	280 (191-392)	322 (223-440)
Jamaica	Female	6.96 (5.46-8.61)	0.106 (0.0825-0.133)	0.0261 (0.0199-0.0331)	0.0795 (0.0626-0.099)	12500 (9580-16000)	199 (152-255)	49 (37-63.7)	150 (114–191)
Jamaica	Male	8.16 (6.41–10.1)	0.326 (0.256-0.406)	0.12 (0.0925-0.151)	0.207 (0.164-0.255)	16000 (12300-20500)	693 (517–899)	246 (184-321)	447 (333–583)
Puerto Rico	Female	7.6 (6.66–8.71)	0.125 (0.109-0.144)	0.0251 (0.0215-0.0292)	0.1 (0.0874-0.115)	6620 (5730-7660)	135 (116–158)	32.3 (27.4–38.5)	103 (88.6–119)
Puerto Rico	Male	9.74 (8.43-11.1)	0.314 (0.271-0.357)	0.131 (0.113-0.15)	0.182 (0.158-0.208)	13500 (11500-15700)	454 (381–531)	189 (158–222)	265 (223-310)
Saint Kitts and Nevis	Female	0.16 (0.125-0.194) 0.236	0.00143 (0.00113-0.00174) 0.00495	0.00052 (0.000416-0.000634) 0.00192	0.000906 (0.000717-0.00111) 0.00304	12400 (10200-14800) 21000	117 (96.7–140) 495	44.1 (36.6-52.4) 210	72.9 (60-87.4) 285
Saint Kitts and Nevis	Male	0.236 (0.186-0.287) 0.457	0.00495 (0.00391-0.00603) 0.00523	0.00192 (0.00152-0.00231) 0.00167	0.00304 (0.00238-0.00372) 0.00356	21000 (17800-24300) 11100	495 (421–575) 127	210 (179–241) 41.7	285 (239-335) 85.7
Saint Lucia	Female	0.457 (0.378-0.552) 0.667	0.00523 (0.0043-0.00634) 0.021	0.00167 (0.00137-0.00203) 0.00731	0.00356 (0.00294-0.0043) 0.0136	11100 (8910-13900) 18800	127 (104–157) 602	41.7 (34.1–51.6) 215	85.7 (70.2–105) 387
Saint Lucia	Male	(0.55-0.799) 0.315	(0.0171-0.025) 0.0029	(0.00595-0.0088) 0.00117	(0.0112-0.0162) 0.00173	(15200-23200) 14300	(477-741) 146	(170-266) 60.1	(306–476) 86
Saint Vincent and the Grenadines	Female	(0.262-0.372) 0.458	(0.00238-0.00347) 0.0126	(0.000966-0.0014) 0.00504	(0.00141-0.00208) 0.00758	(12100-16900) 21900	(123-173) 675	(50.7-71.1) 268	(72–102) 407
Saint Vincent and the Grenadines	Male	(0.391-0.533) 1.72	(0.0105-0.0148) 0.0286	(0.00412-0.00603) 0.00733	(0.00637-0.00885) 0.0213	(19000-25100) 14600	(582-781) 252	(227–314) 66.9	(356-468) 185
Suriname	Female	(1.38-2.09) 2.33	(0.0229-0.0355) 0.0939	(0.00568-0.0094) 0.0305	(0.0172-0.0262) 0.0633	(11800-18000) 22300	(200-319) 978	(52-86.4) 306	(147-233) 672
Suriname	Male	(1.84-2.88) 3.61	(0.0746-0.116) 0.0459	(0.0234-0.0393) 0.0106	(0.0513-0.077) 0.0353	(17500-27900) 11900	(738–1260) 168	(230–401) 41.6	(513-857) 127
Trinidad and Tobago	Female	(2.87-4.43) 5.26	(0.0358-0.0576) 0.202	(0.00807-0.0135) 0.0768	(0.0277-0.0442) 0.125	(9430-14700) 20700	(128-213) 811	(31.2-53.3) 307	(97.2-160) 504
Trinidad and Tobago	Male	(4.08-6.44) 0.22	(0.155-0.251) 0.00284	(0.0573-0.0983) 0.000792	(0.0978-0.153) 0.00205	(16500-25600) 7360	(612–1030) 127	(228–396) 39	(382–635) 87.6
United States Virgin Islands United States Virgin Islands	Female Male	(0.192-0.253) 0.33 (0.284-0.384)	(0.00234-0.00345) 0.00747 (0.0063-0.00893)	(0.000599-0.00116) 0.00386 (0.00327-0.00459)	(0.00173-0.00246) 0.00361 (0.00303-0.00435)	(6080-8880) 19400 (16200-23500)	(101–158) 438 (349–556)	(30.7-50.4) 226 (180-285)	(70.3–109) 212 (168–271)
		609	6.83	1.51	5.32	11400	138	30.4	108
Central Latin America Central Latin America	Female Male	(526-724) 868 (775-996)	(5.62-8.85) 19.6 (17.2-23.6)	(1.15-2.15) 6.92 (5.88-8.71)	(4.46-6.72) 12.7 (11.3-14.8)	(9620-14100) 19400 (17000-22700)	(110-185) 490 (412-609)	(22.7–43.7) 166 (136–214)	(87–141) 324 (275–395)
Colombia	Female	91.9 (77.8–107)	1.12 (0.935-1.33)	0.221 (0.179-0.27)	0.895 (0.753–1.05)	7780 (6600-9220)	101 (85.3-120)	(136-214) 21.4 (17.6-25.9)	79.8 (67.4–94.9)
Colombia	Male	(715-107) 125 (106-145)	2.42 (2.06–2.86)	0.553 (0.465-0.661)	1.87 (1.59–2.2)	13100 (11100-15300)	261 (218–318)	59.5 (49.3–72.9)	201 (167-245)
Costa Rica	Female	9.15 (7.87–10.6)	0.114 (0.0974-0.132)	0.019 (0.0162-0.0224)	0.0946 (0.0812-0.11)	7740 (6940-8630)	101 (89.4–114)	17.6 (15.4–20.2)	83.4 (73.9–94.1)
Costa Rica	Male	13.2 (11.3–15.2)	0.382 (0.327-0.446)	0.168 (0.144-0.196)	0.215 (0.183-0.25)	14100 (12600-15700)	432 (382–486)	187 (165–212)	244 (215-275)
El Salvador	Female	14.1 (10.9–17.5)	0.167 (0.125-0.207)	0.075 (0.0561-0.0949)	0.0916 (0.07-0.113)	10800 (8900-13200)	143 (113–178)	64 (50.2-79.9)	78.6 (62.6–98)
El Salvador	Male	20.4 (15.7–25.2)	0.417 (0.312-0.529)	0.195 (0.143-0.252)	0.222 (0.17-0.278)	22200 (18600-26400)	521 (418-643)	240 (191-301)	281 (228-346)
Guatemala	Female	37.4 (31.6–44.1)	0.312 (0.258-0.374)	0.123 (0.102-0.148)	0.188 (0.156-0.225)	13500 (11400-16000)	127 (105–154)	49.9 (41.3-60.4)	77.2 (63.9-93.1)
Guatemala	Male	51.5 (43.5-60.2)	1.01 (0.845-1.2)	0.446 (0.371-0.538)	0.563 (0.471-0.661)	20800 (17700-24300)	490 (409–583)	214 (178-257)	276 (231–328)
Honduras	Female	28 (21.6-35.4)	0.418 (0.313-0.536)	0.175 (0.127-0.23)	0.243 (0.186-0.307)	16800 (13400-21100)	280 (215-366)	107 (79.8–143)	173 (135–225)
Honduras	Male	30.8 (24.3-38)	1.13 (0.889–1.41)	0.574 (0.45-0.721)	0.556 (0.439-0.69)	20600 (17400-25100)	1010 (833–1250)	505 (415-625)	508 (418-625)
Mexico	Female	321 (275-370)	2.98 (2.51-3.41)	0.43 (0.351-0.529)	2.55 (2.16-2.9)	11700 (10200-13700)	124 (103–145)	17.9 (14.5–21.6)	106 (88.9–124)
Mexico	Male	469 (405-537)	9.87 (8.5–11.3)	3.23 (2.72–3.82)	6.63 (5.76-7.53)	20200 (17600-23100)	491 (403–585)	151 (122–183)	339 (279–401)

Supplementary Results Table S2. Cumulat	tive all-age counts an	nd age-standardised rates of ye	ars of life lost (YLLs) between 2022 to 2050 by	location, sex, and scenario					
			-	unt (Millions)				ed Rate (per 100,000)	
Location	Sex	Reference	Elimination - 2023	Difference between Reference and Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023	Reference	Elimination - 2023	Elimination - 2050	and Elimination - 2023
Nicaragua	Female	11.6 (9-14.4) 15.9	0.0916 (0.0676-0.12) 0.456	0.0253 (0.018-0.0342) 0.215	0.0663 (0.0491-0.0868) 0.241	8970 (7470-10600) 14100	75.2 (59.4–95.3) 476	20.4 (15.8–26.4) 228	54.8 (43.4–68.9) 248
Nicaragua	Male	(12.3-20.1) 8.25	(0.354-0.589) 0.0921	0.215 (0.167-0.278) 0.0303	0.241 (0.187-0.308) 0.0618	(12000–17000) 8700	476 (389–589) 102	(186-281) 33.1	248 (203–310) 69.1
Panama	Female	(6.72–9.9) 11.7	(0.0758-0.11) 0.24	(0.025-0.036) 0.0746	(0.0508-0.0734) 0.165	(7270–10300) 13400	(84.9–121) 304	(27.6–39) 91.8	(57.3–82.3) 212
Panama	Male	(9.34–14.2) 87.6	(0.191-0.289) 1.55	(0.0594-0.0916) 0.414	(0.132-0.198) 1.14	(11000–16000) 17600	(242-369) 328	(72.8–112) 90	(169-257) 238
Venezuela (Bolivarian Republic of	f) Female	(56.8-149) 131	(0.868–3.06) 3.7	(0.213-0.88) 1.46	(0.656-2.18) 2.24	(10300-34000) 31900	(159–733) 1020	(41.2-210) 396	(119-522) 619
Venezuela (Bolivarian Republic of	f) Male	(93.5–198) 541	(2.42-5.97) 13.5	(0.908-2.54) 5.92	(1.51-3.46) 7.55	(21200-54100) 10100	(567–1980) 268	(214-788) 118	(353-1180) 150
Tropical Latin America	Female	(461-631) 771	(11.4–15.8) 27.7	(4.96-7.03) 14.6	(6.42-8.83) 13.1	(9290-11100) 17800	(244–302) 676	(106–133) 348	(138–168) 327
Tropical Latin America	Male	(665-884) 526	(23.7-31.9) 13.1	(12.4–16.9) 5.74	(11.2–15.1) 7.35	(16900-18900) 10000	(633–738) 267	(326-383)	(307–356) 150
Brazil	Female	(445-615) 749	(11.1–15.3) 26.6	(4.79-6.83) 14	(6.22-8.62) 12.6	(9240-11000) 17700	(243-301) 665	(106–133) 343	(137–167) 322
Brazil	Male	(646-861) 14.6	(22.7-30.8) 0.38	(12-16.3) 0.184	(10.7-14.6) 0.197	(16900-18900) 11300	(624-728) 339	(321–378) 163	(303–350) 176
Paraguay	Female	(10.9–18.7) 22.5	(0.289-0.476) 1.1	(0.14-0.23) 0.562	(0.149-0.247) 0.54	(9030-14200) 18800	(269-424) 1110	(130-205) 545	(139-219) 563
Paraguay	Male	(17-29) 1490	(0.839-1.4) 16.9	(0.425-0.72) 5.57	(0.412-0.686) 11.3	(14900-24000) 13900	(867-1420) 168	(426-695) 54.2	(440-724) 114
North Africa and Middle East	Female	(1300-1740) 2070	(14-20.9) 159	(4.51-7.01) 73.8	(9.41–14) 84.9	(11800-16500) 18000	(136-216) 1490	(43.5–69.8) 688	(92.5-145) 804
North Africa and Middle East	Male	(1830-2370) 1490	(139–183) 16.9	(63.4-87.2) 5.57	(75-95.2) 11.3	(15600-20900) 13900	(1270-1750) 168	(579-821) 54.2	(696-927) 114
North Africa and Middle East	Female	(1300–1740) 2070	(14-20.9) 159	(4.51-7.01) 73.8	(9.41–14) 84.9	(11800-16500) 18000	(136-216) 1490	(43.5–69.8) 688	(92.5-145) 804
North Africa and Middle East	Male	(1830–2370) 161	(139–183) 1.09	(63.4-87.2) 0.445	(75-95.2) 0.646	(15600-20900) 30300	(1270-1750) 332	(579-821) 114	(696-927) 218
Afghanistan	Female	(107–226) 176	(0.658-1.71) 5.76	(0.258-0.725) 3.18	(0.4-0.977) 2.57	(24100-38400) 29500	(229–475) 1790	(76–167) 976	(153–307) 810
Afghanistan	Male	(119-245) 85.6	(3.66-8.48) 0.546	(2.01-4.75) 0.142	(1.67-3.73) 0.404	(23600-36800) 12000	(1240-2380) 99.2	(680–1300) 44.7	(560-1080) 54.4
Algeria	Female	(68.6-105) 100	(0.409-0.841) 7.44	(0.106-0.288) 4.17	(0.299-0.548) 3.27	(10100-14600) 12400	(76.4–136) 1020	(34.6-63.1) 598	(41.1-72.8) 421
Algeria	Male	(79.3-123) 2.37	(5.71-9.23) 0.0498	(3.22-5.16) 0.0169 (0.0144-0.0199)	(2.48-4.11) 0.0329	(10300-15100) 11200	(797-1270) 286	(470–745) 104	(328-531) 182
Bahrain	Female	(2.07-2.78) 4.75	(0.0424-0.0585) 0.492	0.306	(0.028-0.0385) 0.186	(9520-13600) 12900	(240-350) 1500	(87.7-128) 993	(152-221) 506 (420,505)
Bahrain	Male	(4.1-5.58) 269	(0.426-0.57) 1.08	(0.267-0.354) 0.398 (0.208.0.641)	(0.16-0.215) 0.683 (0.534-0.853)	(11000-15500) 21100 (12100 25000)	(1290–1750) 127 (00.2.150)	(854–1160) 65.7	(428-595) 61.4 (426-579.0)
Egypt	Female Male	(225-321) 375 (310-454)	(0.835–1.39) 45.1 (36.8–55.2)	(0.298-0.641) 24.7 (19.9-30.8)	(0.534-0.853) 20.4 (16.9-24.3)	(17100-25900) 21800 (17900-26900)	(98.3–159) 3220 (2560–4050)	(50.6-81.6) 1690 (1330-2140)	(46.6-78.8) 1530 (1230-1910)
Egypt Iran (Islamic Republic of)	Female	(310-454) 144 (126-166)	(36.8-55.2) 2.26 (1.89-2.7)	(19.9–30.8) 0.837 (0.698–1)	(16.9–24.3) 1.42 (1.19–1.7)	(17900–26900) 7780 (6900–9000)	(2560–4050) 117 (100–139)	(1330–2140) 42.5 (36.5–50.4)	(1230–1910) 74.9 (63.7–89.1)
Iran (Islamic Republic of)	Male	(126-166) 207 (182-236)	(1.89–2.7) 15.5 (13.5–17.7)	(0.698-1) 6.64 (5.76-7.68)	(1.19-1.7) 8.87 (7.79-10)	(10500-5000) 11600 (10500-13400)	(100–139) 861 (776–986)	(36.3–30.4) 362 (322–419)	(63.7-89.1) 500 (452-563)
Iraq	Female	(182-236) 94.4 (63.8-125)	(13.5–17.7) 1.66 (1.09–2.28)	0.916 (0.595-1.28)	(7.79-10) 0.745 (0.499-1)	(10500-15400) 13800 (11100-17100)	(776–986) 287 (207–389)	(322-419) 149 (106-205)	(432-363) 138 (101-183)
Iraq	Male	(03.8-123) 152 (105-200)	(1.09-2.28) 10.9 (7.32-14.6)	5.55 (3.77-7.43)	(0.499-1) 5.32 (3.54-7.15)	21900 (17600-26600)	(207-389) 2030 (1480-2570)	1090 (806–1390)	932 (667–1190)
Jordan	Female	(105-200) 17.5 (14.6-21)	0.416 (0.342-0.524)	0.133 (0.112-0.165)	0.283 (0.23-0.359)	(17600-26000) 7750 (6420-9510)	218 (170-276)	81.3 (63.1–103)	136 (106–175)
Jordan	Male	(14.0-21) 25.7 (21.4-31)	2.79 (2.27–3.47)	1.36 (1.1–1.71)	(0.23-0.339) 1.44 (1.17-1.78)	9720 (8140–11900)	(170-270) 1110 (900-1420)	525 (424–674)	590 (476–758)
Kuwait	Female	4.49 (3.73-5.38)	0.0531 (0.0436-0.064)	0.00808 (0.00677-0.00956)	0.0451 (0.0368-0.0546)	4800 (4220-5600)	50.5 (43-60.8)	9.42 (7.85-11.5)	41.1 (35-49.5)
Kuwait	Male	10.4 (8.45-12.9)	0.91 (0.735-1.14)	0.297 (0.242-0.371)	0.614 (0.491-0.772)	9640 (7950–11600)	797 (646–976)	294 (240–360)	503 (402–624)
Lebanon	Female	9.72 (7.96–11.8)	0.67 (0.543-0.813)	0.298 (0.24-0.361)	0.372 (0.302-0.448)	7570 (6470-8900)	593 (500-712)	265 (222–318)	328 (277–395)
Lebanon	Male	12.7 (10.3-15.4)	1.58 (1.28–1.91)	0.825 (0.668-0.999)	0.753 (0.61-0.915)	12200 (10500-14400)	1690 (1430-2000)	876 (743-1040)	812 (681–969)
Libya	Female	19.1 (14.5-24.3)	0.0646 (0.0471-0.0859)	0.0128 (0.00932-0.017)	0.0518 (0.0376-0.069)	16200 (13200-20800)	53.9 (39.5-74.3)	10.8 (7.93–14.9)	43.1 (31.5–59.4)
Libya	Male	26.5 (20.1–33.5)	2.66 (2.03-3.42)	1.21 (0.911-1.55)	1.45 (1.11–1.86)	22100 (17700-28000)	2130 (1630-2830)	962 (739-1250)	1170 (898-1570)
Morocco	Female	95.5 (75–117)	0.434 (0.302-0.6)	0.0584 (0.041-0.0824)	0.376 (0.261-0.518)	13900 (10700-17800)	69.4 (46.5–99.2)	9.58 (6.47–13.6)	59.9 (40.1-85.7)
Morocco	Male	110 (87.3-132)	5.6 (4.25-7.04)	1.93 (1.4-2.54)	3.66 (2.8-4.52)	16700 (13000-20500)	908 (666-1160)	298 (217-398)	610 (450-760)
Oman	Female	5.74 (4.64-7.1)	0.0392 (0.03-0.0516)	0.0141 (0.0108-0.0187)	0.0251 (0.0192-0.0329)	9250 (7330-11700)	68.4 (49.6–93.6)	23.7 (17.3–32.3)	44.6 (32.4–61.2)
Oman	Male	14.1 (11.4–17.3)	0.629 (0.498-0.796)	0.227 (0.179-0.288)	0.402 (0.315-0.507)	14900 (11700-18900)	635 (491-818)	277 (217–350)	358 (271–458)
Palestine	Female	8.55 (7.29-9.99)	0.0821 (0.0675-0.0998)	0.0194 (0.0161-0.0236)	0.0627 (0.0515-0.0761)	11500 (9860-13500)	150 (122-187)	42.6 (34.6-52.6)	108 (87–134)
Palestine	Male	12.5 (10.5-14.5)	1.04 (0.864–1.23)	0.466 (0.385-0.556)	0.574 (0.479-0.673)	16900 (14400-19200)	1730 (1440-2050)	815 (685–962)	917 (759–1090)
Qatar	Female	3.1 (2.58–3.71)	0.0132 (0.0106-0.0163)	0.00177 (0.00152-0.00209)	0.0114 (0.0091-0.0142)	8680 (7110-10700)	37.7 (30.2–47.4)	10.1 (8.18-12.6)	27.7 (21.7–34.9)
Qatar	Male	9.37 (7.49–11.6)	0.64 (0.504-0.797)	0.242 (0.189-0.307)	0.397 (0.314-0.494)	10100 (7890–12500)	632 (492–806)	247 (193-314)	385 (298–492)
Saudi Arabia	Female	83 (64.8–105)	0.902 (0.656-1.22)	0.325 (0.232-0.445)	0.577 (0.424-0.777)	13700 (10900-17600)	139 (102–191)	45.6 (33.2-63)	93.9 (68.9–128)
Saudi Arabia	Male	169 (132-209)	12.2 (9.52–15.6)	4.9 (3.72-6.41)	7.34 (5.76-9.17)	18400 (15000-22800)	1260 (995–1590)	477 (368–628)	780 (626–975)
Sudan	Female	135 (92.6–191)	0.906 (0.587–1.37)	0.097 (0.0663-0.142)	0.809 (0.519-1.23)	19600 (14000-26700)	161 (105–243)	22.2 (15.1–32.1)	139 (89-211)
Sudan	Male	165 (122-230)	7.05 (4.83–10.1)	2.83 (1.92-3.98)	4.22 (2.93-6.02)	23200 (17300-32200)	1310 (919–1880)	546 (378–779)	763 (527–1090)
Syrian Arab Republic	Female	45.2 (35.6-57) 66.3	0.54 (0.364–0.759) 3.44	0.0886 (0.0583-0.132) 1.18	0.451 (0.306-0.639) 2.26	18700 (14500-23700) 27800	230 (155–335) 1730	47.9 (32.5–67.1) 605	182 (122–268) 1120
Syrian Arab Republic	Male	66.3 (52.2-83.8) 23.7	3.44 (2.53-4.56) 0.198	1.18 (0.827–1.62) 0.0458	2.26 (1.67-2.97) 0.152	27800 (21800-34500) 8600	1730 (1200–2410) 79.9	605 (416–855) 18.5	1120 (789–1550) 61.3
Tunisia	Female	(19-28.9) 32.7	(0.198 (0.147-0.259) 3.11	(0.0458 (0.0336-0.061) 1.38	0.132 (0.114-0.198) 1.72	(6660-11000) 13900	(56.1-109) 1510	(12.9–25.7) 693	(42.9–83.6) 821
Tunisia	Male	(25.9-40.2) 160	(2.39–3.84) 2.93	(1.08-1.69) 0.628	(1.31-2.16) 2.3	(10600–18100) 8370	(1110-2020) 177	(513–906) 40.4	(593-1110) 136
Turkey	Female	(139–184) 224	(2.39–3.55) 20.2	(0.494-0.782) 6.37	(1.89-2.76) 13.8	(7130-9730) 13300	(142–217) 1340	(31.9–50.4) 439	(110-167) 901
Turkey	Male	(192-256) 19.4	(16.9-23.8) 0.204	(5.37-7.43) 0.0246	(11.6-16.4) 0.179	(11300-15600) 24600	(1090-1630) 283	(359–523) 30.4	(727-1100) 253
United Arab Emirates	Female	(16.1-23.2) 38.3	(0.163-0.25) 2.63	(0.019-0.0304) 1.15	(0.143-0.219) 1.48	(20800-29100) 9890	(235–349) 635	(25.4–36.8) 336	(209-312) 300
United Arab Emirates	Male	(30.2-47.8) 107	(2.06-3.27) 2.75	(0.915-1.41) 1.05	(1.15–1.86) 1.7	(8180-11700) 20100	(510-767) 659	(270-407) 226	(240-364) 434
Yemen	Female	(79.5-147) 142	(1.8-4.21) 8.87	(0.667-1.72) 4.82	(1.14-2.51) 4.05	(15200-27000) 26700	(423–1020) 2360	(141-364) 1220	(282–659) 1140
Yemen	Male	(105–189) 5110	(6.29–12.2) 54.1	(3.36-6.85) 22.6	(2.97–5.42) 31.5	(20600-35100) 17100	(1630–3260) 205	(840–1700) 87.6	(793-1550) 118
South Asia	Female	(4350-5980) 6510	(43.8-66.8) 330	(18.3–27.9) 149	(25.5–39.1) 181	(14700-20000) 21500	(155–271) 1230	(65.6–116) 550	(89.6–155) 677
South Asia	Male	(5490-7700) 5110	(275–391) 54.1	(123-178) 22.6	(151-213) 31.5	(18700-25400) 17100	(1000-1500) 205	(444–686) 87.6	(562-820) 118
South Asia	Female	(4350-5980) 6510	(43.8-66.8) 330	(18.3–27.9) 149	(25.5–39.1) 181	(14700-20000) 21500 (10700-25400)	(155–271) 1230	(65.6-116) 550	(89.6–155) 677
South Asia	Male	(5490-7700) 371	(275–391) 3.46	(123-178) 1.75	(151-213) 1.7	(18700-25400) 13500 (19990, 1(799)	(1000-1500) 128 (02.7, 102)	(444-686) 60.2	(562-820) 68.2
Bangladesh	Female	(294-464) 443 (251,550)	(2.56-4.61) 38.5 (20.6-48.7)	(1.26-2.41) 21.3 (16.2.27.4)	(1.27-2.21) 17.2 (12.2, 21.5)	(10900-16700) 16500 (13400, 20600)	(92.7-182) 1520 (1150-2020)	(43.7-83.7) 818 (112,1110)	(49.5–95.9) 698 (532, 021)
Bangladesh	Male	(351-550) 1.7 (1.24.2.12)	(29.6-48.7) 0.021	(16.3–27.4) 0.00511 (0.00271, 0.00700)	(13.3–21.5) 0.0159 (0.0159	(13400-20600) 14100 (11000-18200)	(1150-2030) 182 (120-267)	(613-1110) 44.9 (318,65.6)	(533–921) 137 (09.6.200)
Bhutan	Female Male	(1.34-2.12) 2.22 (1.76-2.74)	(0.0154-0.0291) 0.0912 (0.0704-0.115)	(0.00371-0.00709) 0.0572 (0.0456-0.0702)	(0.0117-0.0219) 0.0339 (0.0252-0.0454)	(11000-18200) 17400 (13800-22400)	(130-267) 805 (616-1060)	(31.8-65.6) 553 (429-721)	(98.6-200) 252 (186-343)
India	Male Female	(1.76-2.74) 3870 (3240-4590)	(0.0704-0.115) 42.7 (34.1-53.1)	(0.0456-0.0702) 18.5 (14.7-22.9)	(0.0252-0.0454) 24.2 (19.2-30.2)	(13800-22400) 16500 (14000-19700)	(616-1060) 204 (153-270)	(429-721) 90.2 (66.7-119)	(186-543) 114 (86.4-150)
India	Male	(3240-4390) 5080 (4180-6160)	(34.1-35.1) 247 (199-300)	(14.7-22.9) 106 (84.3-129)	(19.2-30.2) 142 (115-171)	(14000-19700) 21400 (18200-25400)	(153-270) 1170 (954-1460)	(00.7–119) 502 (403–628)	(85.4-130) 669 (548-826)
Nepal	Female	(4180-6180) 76.5 (61.4-95)	(199-300) 1.87 (1.45-2.5)	(84.3-129) 0.761 (0.583-1.03)	(115-171) 1.11 (0.86-1.48)	(18200-25400) 14700 (12100-18400)	(954-1400) 445 (328-621)	(403-628) 180 (130-255)	(548-820) 265 (197-367)
Nepal	Male	(61.4-95) 87.6 (70.8-108)	(1.45-2.5) 4.15 (3.29-5.12)	(0.585-1.03) 2 (1.58-2.5)	(0.86-1.48) 2.15 (1.71-2.63)	(12100-18400) 19500 (16000-24300)	(328-621) 1210 (939-1570)	(130-255) 585 (449-764)	(197-387) 624 (488-793)
Pakistan	Female	(10.0-100) 794 (633-984)	6.09 (4.48-8.37)	1.66 (1.17-2.33)	4.42 (3.3–6.01)	23000 (18700-28200)	217 (154–314)	52.3 (36-76.9)	165 (118–236)
Pakistan	Male	896 (721-1110)	40.2 (30.2-52.5)	19.8 (14.7–26.1)	20.3 (15.5-26.1)	24500 (19600-30500)	1410 (1000–1940)	675 (475–932)	733 (525-1000)
	.1								

Supplementary Results Table S2. Cumulative all	-age counts an	nd age-standardised rates of year		y location, sex, and scenario ount (Millions)			Ase-Standardize	ed Rate (per 100,000)	
Location	Sex	Reference	Difference between Reference and	Difference between Reference and	Difference between Elimination - 2050	Reference	Difference between Reference and	Difference between Reference and	
		5160	Elimination - 2023 136	Elimination - 2050 71.5	and Elimination - 2023 64.8	9860	Elimination - 2023 283	Elimination - 2050	and Elimination - 2023 132
Southeast Asia, East Asia, and Oceania	Female	(4590-5770) 7540	(123-151) 799	(65.1-79.2) 353	(58.1-72.1) 446	(8550-11300) 16800	(238–332) 2000	(126–177) 926	(111–155) 1070
Southeast Asia, East Asia, and Oceania	Male	(6740-8450) 3240	(710-902) 111	(316-398) 63	(394–504) 48.2	(14700-19400) 7430	(1710-2340) 300	(806-1070) 172	(902-1270) 128
East Asia	Female	(2770-3770) 4830	(99.2–126) 597	(56.9-70.6) 273	(41.8-55.1) 324	(5970-9060) 14100	(243-365) 2070	(139–209) 1020	(103–155) 1050
East Asia	Male	(4160-5660) 3110	(512-693) 109	(237-314) 62.3	(275–379) 46.7	(11500-17100) 7350	(1670-2550) 304	(847-1230) 176	(825-1320) 128
China	Female	(2640-3640) 4650	(97-124) 579	(56.2-70) 265	(40.3-53.7) 313	(5840-9000) 14000	(244–373) 2090	(142-216) 1040	(102–157) 1050
China	Male	(3990-5470) 81.2	(494-674) 1.93	(229-307) 0.647	(264–368) 1.28	(11300-17100) 13200	(1680-2600) 370	(856-1260) 133	(817-1330) 237
Democratic People's Republic of Korea	Female	(64.5–103) 107	(1.44-2.53) 12.3	(0.471-0.873) 4.95	(0.965-1.66) 7.35	(10400-17400) 21000	(275–498) 2670	(98.4–180) 1110	(177-317) 1560
Democratic People's Republic of Korea	Male	(85.4–134) 51.2	(9.68–15.1) 0.221	(3.84–6.25) 0.00937	(5.83-8.96) 0.211	(17100-26300) 5990	(2150-3280) 37.2	(888–1410) 2.61	(1260–1890) 34.6
Taiwan (Province of China)	Female	(46.6-56.4)	(0.198-0.25)	(0.00827-0.0107)	(0.189-0.239)	(5610-6310)	(34.2-39.8)	(2.34-2.92)	(31.7-37.1)
Taiwan (Province of China)	Male	76.1 (69.1-83.9)	5.71 (5.18-6.32)	2.21 (2-2.44)	3.5 (3.16-3.89)	11800 (11100-12400)	1080 (1020–1140)	440 (414–463)	643 (602–677)
Oceania	Female	62.5 (50.2–77.9)	1.65 (1.24-2.15)	0.605 (0.446-0.813)	1.04 (0.79–1.34)	24800 (20300-30800)	840 (631–1130)	290 (215–398)	550 (415-732)
Oceania	Male	77.5 (63.4–95.1)	3.57 (2.87–4.56)	1.28 (1-1.7)	2.29 (1.85-2.88)	29600 (24800-36500)	1860 (1460-2380)	602 (462-781)	1260 (995–1590)
American Samoa	Female	0.174 (0.147-0.206)	0.00518 (0.00422-0.00636)	0.00187 (0.00146-0.00241)	0.00331 (0.00275-0.00396)	19200 (15500-23800)	655 (513-838)	230 (174–304)	425 (337-532)
American Samoa	Male	0.222 (0.191-0.261)	0.0151 (0.0129-0.0178)	0.00644 (0.00535-0.00787)	0.00866 (0.00753-0.00999)	24500 (20500-29300)	1990 (1660-2410)	808 (658–1010)	1180 (1010-1410)
Cook Islands	Female	0.0438 (0.037-0.0519)	0.000658 (0.000515-0.00084)	0.000121 (0.0000907-0.00016)	0.000537 (0.000425-0.00068)	9150 (7500-11200)	184 (140-239)	36.6 (26.9-49.2)	147 (113–190)
Cook Islands	Male	0.0664 (0.0573-0.0769)	0.00353 (0.00302-0.00415)	0.00117 (0.000974-0.00141)	0.00236 (0.00204-0.00273)	18000 (15100-21400)	1230 (1020–1490)	407 (330-503)	824 (690–989)
Fiji	Female	3.01 (2.42–3.8)	0.0615 (0.0467-0.0803)	0.0254 (0.0186-0.0341)	0.0361 (0.028-0.0464)	20800 (15900-27000)	470 (341-643)	188 (134–263)	282 (207–380)
Fiji		(2.42=5.8) 3.93 (3.15=4.9)	0.257 (0.204–0.324)	0.115 (0.0887-0.15)	0.142 (0.114-0.173)	29600 (22800-37600)	2150 (1570–2790)	(134-203) 893 (647-1180)	1250 (923-1610)
· · · · ·	Male	0.313	0.011	0.00306	0.00792	10100	401	130	272
Guam	Female	(0.27-0.358) 0.515	(0.00928-0.0131) 0.0304	(0.00244-0.00381) 0.0108	(0.00679-0.00932) 0.0196	(8900-11600) 17400	(343-475) 1140	(108–157) 427 (264–500)	(233–317) 715
Guam	Male	(0.444-0.581) 0.491	(0.0261-0.0351) 0.0288	(0.00907-0.0127) 0.0159	(0.017-0.0222) 0.0128	(15500-19700) 27200	(994-1320) 1810	(364–500) 902	(628-816) 904
Kiribati	Female	(0.383-0.617) 0.645	(0.0219-0.0373) 0.0706	(0.0118-0.0213) 0.0366	(0.0101-0.0161) 0.034	(21400-34400) 39000	(1340-2390) 5490	(641-1220) 2740	(694–1170) 2750
Kiribati	Male	(0.505-0.804) 0.251	(0.0553-0.0876) 0.00715	(0.028-0.0465) 0.00297	(0.0272-0.041) 0.00418	(31400-48400) 29100	(4330-7150) 919	(2140-3570) 356	(2190-3530) 563
Marshall Islands	Female	(0.194-0.327) 0.321	(0.00509-0.00986) 0.0269	(0.00204-0.00419) 0.012	(0.00305-0.00567) 0.0148	(22100-38800) 35600	(654–1260) 3460	(247-499) 1540	(405-762) 1930
Marshall Islands	Male	(0.246-0.409) 0.356	(0.0209-0.0344) 0.0182	(0.00891-0.0159) 0.00859	(0.0148 (0.0113-0.0186) 0.00959	(27700-46100) 24000	(2540-4600) 1340	(1110-2060) 593	(1420–2540) 745
Micronesia (Federated States of)	Female	(0.273-0.456) 0.502	(0.0131-0.0241) 0.0497	(0.00559 (0.00589-0.0118) 0.0232	(0.00939 (0.00725-0.0123) 0.0265	(18600-30600) 34300	(975–1820) 4020	(420-828) 1730	/45 (554–996) 2290
Micronesia (Federated States of)	Male	(0.387-0.631) 0.0499	0.0497 (0.0372-0.0625) 0.00302	0.0232 (0.0167-0.0305) 0.00134	0.0265 (0.0206-0.0323) 0.00168	34300 (27400-43600) 30100	4020 (3040-5270) 1890	(1270-2310) 752	(1770–2980) 1130
Nauru	Female	(0.0373-0.0645)	(0.00212-0.0042)	(0.000897-0.00197)	(0.00122-0.00222)	(22800-40200)	(1300-2700)	(494-1130)	(814-1580)
Nauru	Male	0.075 (0.0575-0.0944)	0.00616 (0.00467-0.00789)	0.00314 (0.00234-0.00411)	0.00301 (0.00234-0.00379)	47700 (37000-61700)	5220 (3850-6940)	2520 (1840-3390)	2710 (2010-3590)
Niue	Female	0.00802 (0.00673-0.00949)	0.000144 (0.000108-0.000186)	0.0000401 (0.0000288-0.0000543)	0.000103 (0.0000795-0.000132)	24500 (21000-28800)	497 (364-642)	143 (103–191)	354 (261-452)
Niue	Male	0.00966 (0.00816-0.0113)	0.000512 (0.000415-0.000621)	0.000263 (0.000214-0.000321)	0.000249 (0.000203-0.000301)	31600 (27300-37000)	2060 (1670-2520)	1010 (809-1240)	1050 (853-1280)
Northern Mariana Islands	Female	0.138 (0.121-0.158)	0.00325 (0.00275-0.0038)	0.000876 (0.000715-0.00106)	0.00238 (0.00203-0.00274)	13700 (11600-15900)	360 (299-424)	99.9 (80.7-122)	260 (219–304)
Northern Mariana Islands	Male	0.218 (0.194-0.242)	0.0156 (0.0141-0.0173)	0.0055 (0.00488-0.00623)	0.0101 (0.00914-0.0111)	21700 (19300-24100)	1810 (1580-2020)	625 (542-711)	1180 (1040-1310)
Palau	Female	0.0752 (0.0629-0.091)	0.00177 (0.00146-0.00212)	0.000666 (0.000545-0.000816)	0.0011 (0.000922-0.00131)	24400 (20300-30000)	582 (467-722)	209 (167-260)	374 (301–461)
Palau	Male	0.106 (0.0872-0.129)	0.00912 (0.00751-0.011)	0.00466 (0.00387-0.00559)	0.00445 (0.00364-0.00544)	27500 (22800-33700)	2490 (2000–3110)	1230 (993–1530)	1260 (1010–1590)
		50	1.28	0.448	0.836	25800	886	287	599
Papua New Guinea	Female	(39.1-63.5) 60.8	(0.925–1.73) 2.4	(0.31-0.625) 0.726	(0.616-1.1) 1.68	(20600-32600) 29500	(644–1240) 1640	(206-415) 427	(438-825) 1210
Papua New Guinea	Male	(48.4-76.8) 0.703	(1.81-3.27) 0.0208	(0.504-1.07) 0.00613	(1.3-2.17) 0.0147	(24200-36900) 21800	(1230-2190) 836	(306-596) 228	(916-1580) 608
Samoa	Female	(0.571-0.877) 0.846	(0.0155-0.0271) 0.0632	(0.00436-0.00842) 0.0257	(0.0112-0.0188) 0.0375	(17800-27200) 24500	(612–1110) 2460	(160-313) 967	(449–792) 1500
Samoa	Male	(0.688-1.07) 2.61	(0.0508-0.0774) 0.108	(0.0201-0.0324) 0.0578	(0.0309-0.0456) 0.0502	(20100-30400) 26800	(2000-3050) 1310	(769-1220) 678	(1230–1850) 635
Solomon Islands	Female	(1.97–3.42) 3.61	(0.0762-0.146) 0.324	(0.0401-0.0793) 0.196	(0.0361-0.0671) 0.128	(21100-35300) 36200	(945-1810) 4340	(484–947) 2530	(459-867) 1810
Solomon Islands	Male	(2.8-4.57) 0.00649	(0.252-0.412) 0.000138	(0.152-0.25) 0.0000486	(0.0993-0.161) 0.0000889	(29100-46200) 24900	(3230-5700) 619	(1870-3340) 214	(1370-2370) 405
Tokelau	Female	(0.00556-0.00768) 0.00685	(0.000105-0.000177) 0.000371	(0.0000364-0.0000647) 0.000152	(0.0000694-0.000113) 0.000219	(21000-29600) 26300	(459-830) 1710	(155-293) 661	(303-538) 1050
Tokelau	Male	(0.00591-0.008) 0.241	(0.000296-0.000463) 0.00539	(0.000117-0.000196) 0.00153	(0.000178-0.000266) 0.00387	(22900-30800) 14100	(1330-2190) 407	(495–869) 113	(831–1320) 294
Tonga	Female	(0.189-0.299)	(0.00422-0.00674)	(0.00118-0.00192)	(0.00304-0.00482)	(10900-18000)	(310-527)	(85.8-147)	(224-380)
Tonga	Male	0.318 (0.252-0.393)	0.0262 (0.0211-0.0313)	0.0133 (0.0107-0.0159)	0.0129 (0.0105-0.0154)	21100 (16800-26100)	2440 (1970–2960)	1220 (984–1480)	1220 (981–1480)
Tuvalu	Female	0.0429 (0.0346-0.0541)	0.00193 (0.00143-0.00256)	0.000898 (0.000643-0.00124)	0.00103 (0.000793-0.00133)	20900 (16600-26600)	1090 (803–1480)	480 (341–666)	613 (460-809)
Tuvalu	Male	0.0635 (0.0518-0.0783)	0.00605 (0.00481-0.0076)	0.003 (0.00236-0.00387)	0.00304 (0.00246-0.00374)	30300 (24500-38200)	3430 (2670–4470)	1590 (1220-2100)	1830 (1450-2350)
Vanuatu	Female	1.05 (0.871-1.28)	0.00929 (0.00719-0.0118)	0.00196 (0.00153-0.00249)	0.00733 (0.00558-0.00936)	21300 (17300-25900)	250 (189-331)	60.4 (45.7-81.5)	190 (143-252)
Vanuatu	Male	1.57 (1.3–1.86)	0.0946 (0.0744-0.115)	0.0388 (0.0299-0.0483)	0.0559 (0.0445-0.0671)	32500 (26900-38500)	2500 (1930-3110)	987 (761-1240)	1510 (1180-1860)
Southeast Asia	Female	1860 (1660-2080)	23.4 (20.8–26.2)	7.86 (7-8.91)	15.5 (13.9–17.3)	13500 (11800-15400)	192 (165–222)	64.1 (54.9–75)	127 (110-147)
Southeast Asia	Male	2620 (2380-2930)	199 (181-221)	79.1 (71.6-88.9)	120 (109–132)	21100 (18900-23600)	1810 (1590-2040)	708 (625-804)	1100 (968-1240)
Cambodia	Female	51.6 (39.8-64.6)	0.829 (0.653-1.02)	0.34 (0.264-0.425)	0.489 (0.388-0.601)	17500 (13700-21900)	359 (273-450)	141 (107–178)	218 (167–272)
Cambodia	Male	65.5 (50.5-81.9)	5.5 (4.44–6.69)	3.32 (2.68–4.02)	2.18 (1.75-2.65)	25700 (20500-31400)	3020 (2400-3620)	1870 (1490–2220)	1150 (910–1400)
Indonesia	Female	793 (659–952)	9.01 (7.54–10.6)	2.7 (2.28–3.17)	6.31 (5.26-7.44)	15400 (12500-18900)	214 (169-260)	72 (56.8–88)	142 (112–173)
Indonesia	Male	(039-932) 1020 (860-1200)	92.7 (77.6–110)	(2.28-3.17) 35.3 (29.5-42.7)	(3.267/344) 57.4 (47.9-67.7)	21000 (17600-25200)	(169-260) 2160 (1680-2700)	(30.8-88) 836 (657-1050)	(112-175) 1320 (1030-1650)
Indonesia Lao People's Democratic Republic	Female	(860–1200) 21.5 (17.3–26.8)	(77.6–110) 0.393 (0.311–0.483)	(29.5-42.7) 0.191 (0.15-0.237)	(47.9-67.7) 0.202 (0.161-0.246)	(17600-23200) 17900 (14400-22900)	(1080-2700) 397 (307-506)	(657–1050) 187 (144–239)	210 (163–266)
	Female Male	28.5	2.58	1.49	1.09	24700	2880	1690	1190
Lao People's Democratic Republic		(22.6-35.6) 72	(2.11–3.12) 0.495	(1.22–1.8) 0.116 (0.027) 0.142)	(0.888-1.31) 0.379	(19600-31000) 11700	(2290-3550) 118 (106, 124)	(1350-2080) 40.4	(927–1480) 77.3
Malaysia	Female	(61.8-82.6) 106	(0.422-0.571) 7.38 ((.22, 0.42))	(0.0978-0.142) 2.07	(0.32-0.442) 5.31	(10800-12800) 16800	(106–134) 1380	(35.9–46.4) 403	(69.5-87.9) 975
Malaysia	Male	(91–122) 0.567	(6.32-8.43) 0.0122	(1.76-2.38) 0.00433	(4.54-6.07) 0.00786	(15700-18200) 6630	(1270–1500) 146	(369–443) 49.5	(900-1060) 96.3
Maldives	Female	(0.466-0.689) 1.06	(0.00975-0.0153) 0.128	(0.00344-0.00546) 0.0769	(0.00629-0.00977) 0.0512	(5470-8070) 8890	(116–190) 1020	(38.7–65) 637	(76.4–125) 379
Maldives	Male	(0.846-1.29) 3.64	(0.101-0.159) 0.0288	(0.0612-0.0954) 0.00565	(0.0395-0.0645) 0.0232	(7380-10800) 11400	(808-1280) 104	(511-804) 20.8	(299–477) 83
Mauritius	Female	(3.13-4.24) 4.99	(0.0247-0.0338) 0.332	(0.00486-0.00669) 0.16	(0.0198-0.0271) 0.172	(10500-12500) 19200	(93.6-115) 1410	(18.6–23.2) 660	(74.8-91.6) 750
Mauritius	Male	(4.34–5.8) 176	(0.287-0.386) 3.67	(0.137-0.185) 1.83	(0.149-0.2) 1.85	(17700-20600) 17200	(1300–1520) 412	(608–716) 186	(693-802) 226
Myanmar	Female	(145-214) 245	(2.97–4.48) 12.1	(1.45–2.28) 5.13	(1.55 (1.51–2.22) 6.96	(14300-21400) 28600	412 (322–540) 1930	(142-243) 893	(175-296) 1040
Myanmar	Male	245 (202–297) 200	(10.1-14.5)	(4.28-6.09)	(5.78-8.38)	(23700-35000)	(1580-2350)	(740-1090)	(835-1280)
Philippines	Female	290 (243-342)	5.03 (4.17–5.93)	1.82 (1.53–2.13)	3.21 (2.63–3.81)	14600 (12400-17100)	324 (266–392)	127 (106–152)	197 (161–240)
Philippines	Male	436 (362–509)	26 (21.3–30.5)	9.25 (7.41–11.1)	16.7 (13.8–19.5)	22600 (18800-26700)	1590 (1250–1970)	522 (407–645)	1070 (844–1320)
Seychelles	Female	0.283 (0.242-0.325)	0.00277 (0.00235-0.00321)	0.000517 (0.000441-0.0006)	0.00225 (0.00191-0.00261)	12200 (11000-13800)	141 (124–161)	28.2 (24.8-32.2)	113 (99.2–129)
Seychelles	Male	0.425 (0.366-0.485)	0.0317 (0.0275-0.0365)	0.0166 (0.0145-0.0191)	0.0151 (0.0131-0.0175)	18300 (16600-20300)	1650 (1480–1840)	884 (805–984)	761 (681–857)
Sri Lanka	Female	46.8 (36.2–58.9)	0.279 (0.219-0.352)	0.0755 (0.0601-0.0938)	0.204 (0.16-0.258)	8240 (6020–10600)	58.7 (41.4–79.3)	16 (11.3–21.5)	42.7 (30-57.5)
Sri Lanka	Male	63.2 (46.9-80.6)	2.86 (2.18-3.61)	1.18 (0.922-1.46)	1.68 (1.24-2.14)	14900 (10700-19500)	806 (545-1090)	341 (235–457)	464 (309-635)
Thailand	Female	172 (137-210)	1.76 (1.41-2.12)	0.312 (0.246-0.38)	1.45 (1.16-1.74)	8700 (7120-10600)	88.9 (69.8–110)	16.1 (12.6-20.2)	72.8 (57.2-89.4)
Thailand	Male	242 (193–306)	16.2 (12.9–19.9)	6.43 (5.16-7.83)	9.77 (7.68–12.1)	17300 (13900-21300)	1140 (881–1460)	446 (350–565)	691 (532–895)
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Supplementary Results Table S2. Cumulative all	l-age counts an	d age-standardised rates of years	All-Age Co	ount (Millions)				ed Rate (per 100,000)	
Location	Sex	Reference	Difference between Reference and Elimination - 2023	Difference between Reference and Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023	Reference	Difference between Reference and Elimination - 2023	Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023
Timor-Leste	Female	3.61 (2.98–4.45)	0.026 (0.0203-0.0327)	0.00761 (0.00589-0.00986)	0.0184 (0.0145-0.0228)	16600 (13700-20700)	187 (144-245)	53.6 (41-71.7)	133 (103–174)
Timor-Leste	Male	4.79 (3.97–5.87)	0.313 (0.249-0.398)	0.132 (0.102-0.175)	0.181 (0.146-0.225)	22100 (18100-27300)	2140 (1650-2780)	848 (651–1120)	1290 (999–1670)
Viet Nam	Female	226 (189–266)	1.83 (1.53-2.17)	0.449 (0.368-0.549)	1.38 (1.16-1.63)	9940 (8240-12000)	94.5 (76.1–117)	22.4 (17.9-28.3)	72 (58-89.3)
Viet Nam	Male	403 (337-470)	32.5 (26.8-37.5)	14.4 (11.7–17.1)	18.1 (15.2–20.5)	22500 (19000-26200)	2140 (1740-2500)	909 (731–1080)	1230 (1000–1420)
Sub-Saharan Africa		5200 (4360-6390)	13.1 (11.1–15.2)	5.5 (4.61–6.63)	7.59 (6.56-8.74)	24200 (20600-29000)	107 (88.9–129)	42.6 (35.4–52.1)	64.4 (54.1–76.8)
	Female	6390	84.4	39.7	44.7	31300	708	299	410
Sub-Saharan Africa	Male	(5350-7830) 598	(74.1-95.8) 1.43	(34.2-46.3) 0.624	(39.7-49.7) 0.801	(26800-37100) 25300	(615-814) 90.8	(257-350) 33.8	(355–465) 57
Central Sub-Saharan Africa	Female	(437-830) 748	(1.06-1.89) 14.5	(0.452-0.846) 7.61	(0.606-1.05) 6.89	(20200-33100) 33500	(68.1-120) 1060	(24.9-45.2) 482	(43-74.8) 574
Central Sub-Saharan Africa	Male	(558-1000)	(11.2–18.1) 0.539	(5.9–9.6) 0.238	(5.32-8.54) 0.301	(27400-42600) 24100	(837-1310) 142	(376-607) 53.2	(462-706) 88.9
Angola	Female	(115-195)	(0.394-0.715)	(0.167-0.325)	(0.228-0.39)	(19100-31400)	(104-192)	(37.9-74.1)	(66.2-118)
Angola	Male	177 (136–235)	4.2 (3.32-5.21)	2.51 (1.96-3.19)	1.68 (1.36-2.03)	31900 (25400-40500)	1440 (1130-1800)	779 (605–976)	664 (528-825)
Central African Republic	Female	36.4 (25.7-51.8)	0.0623 (0.0424-0.0882)	0.0259 (0.01680.0378)	0.0364 (0.025-0.0507)	43100 (31900-59100)	129 (86.5-181)	46.4 (30-67.6)	82.2 (57.3-114)
Central African Republic	Male	48.2 (34.7-65.3)	0.628 (0.441-0.827)	0.329 (0.225-0.442)	0.299 (0.215-0.386)	63000 (48600-81800)	1640 (1220-2090)	810 (593-1030)	834 (624–1060)
Congo	Female	23.3 (17.9–30.5)	0.0703 (0.0495-0.0945)	0.0291 (0.0195-0.0399)	0.0411 (0.0294-0.0543)	27700 (22000-35300)	94.9 (65.6–128)	36.3 (24.7–50.7)	58.7 (41-78.2)
		26.2	0.905	0.498	0.407	31500	1530	854	671
Congo	Male	(20.6-34.3) 376	(0.707-1.13) 0.721	(0.391-0.618) 0.323	(0.315-0.509) 0.397	(25400-39100) 24800	(1190-1880) 70.1	(680–1050) 26.5	(517-836) 43.6
Democratic Republic of the Congo	Female	(232–590) 480	(0.457-1.05) 8.3	(0.202-0.482) 4.05	(0.255-0.581) 4.26	(19100-35000) 32800	(51.2-96) 862	(19.3–36) 340	(32-60.3) 522
Democratic Republic of the Congo	Male	(321-700) 6.47	(5.48-11.2) 0.0129	(2.62-5.6) 0.00391	(2.84-5.69) 0.00903	(26200-42100) 24300	(675–1110) 70.5	(259-451) 18.9	(412-658) 51.6
Equatorial Guinea	Female	(4.44-9.2) 8.46	(0.00825-0.019) 0.224	(0.00236-0.00602)	(0.00586-0.0131) 0.105	(16400-34000)	(43.9-107)	(11.3-29.3)	(32.7-77.6)
Equatorial Guinea	Male	(6.22-11.8)	(0.155-0.302)	0.118 (0.0794-0.165)	(0.0763-0.139)	32100 (24300-43100)	1250 (896–1690)	533 (373–735)	716 (525–948)
Gabon	Female	6.19 (4.61–8.24)	0.0206 (0.0145-0.0277)	0.00459 (0.00308-0.00633)	0.016 (0.0114-0.0213)	20300 (15400-26700)	80.1 (55.8–112)	16.3 (11.2-23.1)	63.8 (44.7–88)
Gabon	Male	8.74 (6.6-11.4)	0.242 (0.189-0.298)	0.106 (0.0815-0.134)	0.136 (0.108-0.166)	31800 (25200-40100)	1180 (945-1470)	481 (385-605)	699 (559–868)
Eastern Sub-Saharan Africa	Female	1650 (1400–1960)	5.63 (4.69–6.77)	3.09 (2.53–3.78)	2.54 (2.15-3.02)	21800 (18800-25900)	132 (109–163)	68.3 (55.8–85.6)	64 (53.7–78.4)
Eastern Sub-Saharan Africa	Male	2120 (1780-2530)	(4.5-0.77) 33.2 (28.6-39.2)	(15.1-21.7)	(2.15-3.02) 15.4 (13.6-17.6)	29200 (25400-34300)	(105–103) 754 (652–884)	360 (308-430)	394 (343-456)
		53.1	0.15	0.0518	0.0978	23600	101	25.4	75.5
Burundi	Female	(40.6-72) 70	(0.109-0.198) 1.11	(0.0362-0.0716) 0.658	(0.0728-0.128) 0.448	(18800-30300) 31700	(74.2-135) 811	(18.1–35.2) 410	(56.1-100) 402
Burundi	Male	(55-91.4) 2.55	(0.84–1.38) 0.00994	(0.495-0.838) 0.00286	(0.354-0.55) 0.00708	(25600-39600) 21800	(632-1030) 104	(314-527) 29.2	(317-502) 75.1
Comoros	Female	(1.94–3.19) 2.89	(0.00742-0.0128) 0.0801	(0.00286 (0.00209-0.00373) 0.0424	(0.00532-0.00906) 0.0377	(18000-27000) 25400	(80–138) 916	(22.2–38.9) 490	(57.6–99.2) 426
Comoros	Male	(2.2-3.6)	(0.0616-0.099)	(0.0326-0.0524)	(0.029-0.0466)	(21000-30900)	(719-1170)	(388-625)	(331-552)
Djibouti	Female	3.98 (2.98-5.27)	0.0297 (0.022-0.0394)	0.012 (0.00877-0.016)	0.0177 (0.0132-0.0233)	19700 (15100-25900)	184 (131-259)	70.2 (49.4–99)	114 (81.7–160)
Djibouti	Male	5.81 (4.45-7.53)	0.304 (0.231-0.391)	0.157 (0.117-0.206)	0.146 (0.113-0.185)	26500 (20500-34400)	1730 (1320-2340)	860 (655–1160)	872 (659–1180)
Eritrea	Female	23.8 (15.4-34)	0.0138 (0.00907-0.0199)	0.00339 (0.002210.00506)	0.0104 (0.00686-0.0149)	24600 (18900-31700)	20.1 (14.6-26.3)	4.72 (3.43-6.24)	15.3 (11.2-20.1)
Eritrea	Male	33.9 (22-48.5)	0.66 (0.412-0.951)	0.292 (0.174-0.444)	0.368 (0.239-0.515)	35500 (28000-44600)	862 (648-1150)	325 (232-455)	537 (414-699)
		353	0.264	0.107	0.158	18100	18.3	6.12	12.1
Ethiopia	Female	(274–448) 470	(0.192-0.35) 4.41	(0.0755-0.144) 2.29	(0.117-0.206) 2.11	(15000-21700) 23700	(13.6-23.7) 371	(4.43-8.15) 169	(9.27-15.5) 202
Ethiopia	Male	(372–590) 140	(3.51-5.61) 0.353	(1.81-2.97) 0.106	(1.69-2.64) 0.247	(20100-28300) 18100	(300-466) 67.8	(136-214) 18.4	(165-248) 49.4
Kenya	Female	(118–166) 185	(0.275-0.483) 3.39	(0.0812-0.147)	(0.192-0.337) 2.08	(15300-22000) 25300	(49.3–104) 615	(13.4-27.4) 196	(35.7–76.5) 418
Kenya	Male	(156-219)	(2.69-4.12) 0.256	(0.996-1.67) 0.0532	(1.7-2.49) 0.203	(21200-29900) 26500	(479-755) 84.6	(152-247) 21.1	(327-511) 63.5
Madagascar	Female	(103-155)	(0.19-0.331)	(0.0384-0.0701)	(0.151-0.261)	(21800-32400)	(61.5-112)	(15.2-27.9)	(46.4-84.7)
Madagascar	Male	142 (116–175)	2.26 (1.7-2.88)	0.734 (0.538-0.981)	1.52 (1.16-1.93)	30600 (24700-37900)	710 (514–930)	210 (153–276)	500 (362–656)
Malawi	Female	72.8 (55.3–96.5)	0.279 (0.207-0.365)	0.153 (0.112-0.203)	0.126 (0.0951-0.162)	23300 (18000-30200)	138 (97.7–186)	72.6 (50.9-99.6)	65.6 (47-87.1)
Malawi	Male	98.6 (79.3-124)	2.67 (2.18-3.29)	1.7 (1.39–2.11)	0.972 (0.806-1.17)	35300 (29200-44300)	1770 (1440-2200)	1120 (917-1390)	649 (525-808)
Mozambique	Female	139 (109–174)	0.437 (0.299-0.583)	0.124 (0.08-0.172)	0.313	24900 (19700-31500)	138 (93.7–190)	34 (22.2-48.3)	104 (72.3–142)
		181	3.23	1.81	(0.218-0.411) 1.42	38700	1370	685	687
Mozambique	Male	(145-228) 46	(2.52-3.94) 0.812	(1.38-2.28) 0.558	(1.15–1.68) 0.254	(32100-47700) 18800	(1100-1700) 547	(544-859) 355	(556-839) 192
Rwanda	Female	(35.4-64.2)	(0.632-1.01) 1.82	(0.432-0.701) 1.28	(0.199-0.31) 0.541	(14900-25100) 25300	(424-703) 1400	(274-457) 938	(150-245) 460
Rwanda	Male	(42.6-91.5) 156	(1.43-2.23) 0.28	(1-1.57) 0.121	(0.427-0.657) 0.159	(20000-37900) 37900	(1120-1750)	(748–1170) 71.9	(366-574) 117
Somalia	Female	(103-236)	(0.177-0.411)	(0.0745-0.18)	(0.102-0.232)	(27900-52200)	(133-268)	(49.4-105)	(83.3-165)
Somalia	Male	213 (139–316)	2.78 (1.84-4.05)	1.58 (1.02-2.41)	1.2 (0.827–1.68)	52300 (39200-71300)	1780 (1280-2400)	895 (641-1220)	881 (647–1170)
South Sudan	Female	79.5 (53.8-124)	0.11 (0.0755-0.154)	0.0428 (0.02850.0623)	0.067 (0.0472-0.0922)	34800 (25000-51600)	121 (83–180)	40.1 (26.7-61.5)	80.4 (55.8–119)
South Sudan	Male	98.9 (68.5-143)	0.894 (0.625-1.24)	0.441 (0.296-0.652)	0.453 (0.329-0.588)	45400 (33000-64300)	1060 (740-1490)	443 (301–649)	618 (438-852)
Uganda	Female	158 (123–203)	0.482 (0.376-0.606)	0.229 (0.176-0.298)	0.253 (0.202-0.309)	19100 (15600-24200)	124 (94.9–164)	51.9 (39–69.6)	72.2 (56.1–94.4)
		212	1.94	0.768	1.17	28600	495	155	340
Uganda	Male	(169–271) 216	(1.53-2.47) 1.8	(0.587-1) 1.36	(0.944-1.45) 0.437	(24200-34700) 20800	(396-624) 273	(122-201) 195	(274–425) 78.5
United Republic of Tanzania	Female	(174–268) 249	(1.41-2.31) 5.59	(1.06-1.77) 3.65	(0.349-0.536) 1.94	(17300-25500) 25200	(216-353) 837	(153–252) 486	(62.4–102) 352
United Republic of Tanzania	Male	(201–306) 79	(4.35-7.09) 0.354	(2.79-4.71) 0.166	(1.55-2.37) 0.188	(21200-30300) 24000	(661–1080) 263	(378-631) 125	(283-443) 138
Zambia	Female	(59.2–104) 101	(0.277–0.453) 2.04	(0.13-0.211) 1.07	(0.185 (0.146-0.242) 0.966	(18100-31200) 33200	(195–345) 1110	(92.4–164) 488	(102–183) 623
Zambia	Male	(78.3-133)	(1.57-2.55)	(0.813-1.37)	(0.761-1.18)	(25600-42100)	(868-1390)	(373-623)	(492-769)
Southern Sub-Saharan Africa	Female	336 (295–382)	3.27 (2.91–3.66)	0.938 (0.83-1.05)	2.33 (2.05-2.63)	24500 (22100-27400)	280 (257–306)	78.3 (69.8–88.8)	202 (185-218)
Southern Sub-Saharan Africa	Male	445 (389–505)	15.1 (13.5–16.8)	6.78 (5.97-7.61)	8.35 (7.44-9.28)	36100 (32700-40200)	1480 (1340-1620)	606 (539-691)	869 (798–943)
Botswana	Female	8.42 (6.97-10.1)	0.105 (0.0829-0.129)	0.0439 (0.0343-0.0541)	0.0616 (0.0486-0.0747)	20900 (17600-24800)	311 (248–390)	121 (94.9–153)	190 (152–237)
	Male	10.6	0.542	0.289	0.253	29000 (24800-33900)	1830	1000	826
Botswana		(8.78–12.6) 5.25	(0.437-0.645) 0.0216	(0.233-0.345) 0.0127	(0.204-0.3) 0.00892	30800	(1510-2230) 253	(837-1210) 147	(679–1010) 105
Eswatini	Female	(3.95-6.62) 7.12	(0.0168-0.0263) 0.106	(0.01-0.0152) 0.0433	(0.00681-0.0112) 0.0624	(23000-40200) 48800	(178–340) 1190	(104–198) 467	(74–144) 727
Eswatini	Male	(5.52-8.67) 10.7	(0.0841-0.128) 0.0668	(0.0339-0.0527) 0.0532	(0.0501-0.0749) 0.0136	(39200-61600) 38500	(951–1530) 526	(371-591) 431	(578–948) 94.5
Lesotho	Female	(8.85–12.9) 15.1	(0.0555-0.0785) 0.854	(0.0442-0.0622) 0.512	(0.0109-0.0169) 0.342	(31500-47600) 62600	(411–654) 5590	(340-532) 3280	(70.5–123) 2300
Lesotho	Male	(12.8-17.9)	(0.7-1.01)	(0.417-0.614)	(0.282-0.407)	(53200-74400)	(4630-6820)	(2740-3960)	(1870-2850)
Namibia	Female	8.17 (6.32–10.6)	0.108 (0.0802-0.138)	0.0563 (0.0418-0.0718)	0.052 (0.0385-0.0667)	20000 (14900-26500)	402 (275-540)	206 (141-275)	196 (134–266)
Namibia	Male	12 (9.33-15.3)	0.279 (0.221-0.337)	0.144 (0.114-0.173)	0.135 (0.106-0.164)	34100 (27100-43100)	1320 (1090-1610)	727 (604–875)	597 (483-741)
South Africa	Female	228 (197-263)	2.41 (2.08-2.77)	0.417 (0.354-0.487)	1.99 (1.73-2.28)	23200 (21500-25100)	257 (234–279)	42.1 (37.9-46.6)	214 (196-233)
		309	9.46	3.21	6.24	34600	1170	357	816
South Africa	Male	(269–357) 74.9	(8.15–10.9) 0.556	(2.75–3.7) 0.355	(5.4–7.18) 0.201	(31900-37500) 31700	(1080–1280) 488	(325-391) 309	(750-886) 180
Zimbabwe	Female	(58.2–92.9) 91.6	(0.452-0.668) 3.89	(0.288-0.427) 2.58	(0.163-0.241) 1.32	(25100-39600) 43800	(383-603) 3170	(244–380) 1950	(140-223) 1220
Zimbabwe	Male	(71–115) 2620	(3.14–4.72) 2.76	(2.05-3.14) 0.849	(1.07-1.58) 1.92	(35300-53200) 25400	(2550-3880) 49.4	(1560-2400) 14.8	(997-1480) 34.6
Western Sub-Saharan Africa	Female	(2080–3340) 3080	(2.08-3.47) 21.6	(0.626-1.09) 7.53	(1.46-2.39)	(20600-31900) 31200	(37.3-63.8) 424	(11.1–19.2) 135	(26.1-44.3) 289
Western Sub-Saharan Africa	Male	(2490-3910)	(17.3-26)	(5.99-9.24)	(11.2-16.8)	(25500-38200)	(346-522)	(109-167)	(235-355)
Benin	Female	70.4 (50.1–107)	0.0816 (0.0543-0.108)	0.0203 (0.0133-0.0267)	0.0612 (0.0409-0.0811)	23700 (18400-35900)	54.3 (38.3-72.3)	13.3 (9.19–17.9)	41 (29.2–54.4)
Benin	Male	91.1 (66.1-151)	0.495 (0.346-0.633)	0.103 (0.0694-0.134)	0.392 (0.271-0.503)	32300 (25300-45600)	392 (292-498)	74.2 (53.6-95.7)	317 (239-403)
Burkina Faso	Female	156 (107-253)	0.0447 (0.0188-0.0639)	0.00897 (0.00294-0.0135)	0.0357 (0.015-0.0502)	28500 (20900-43300)	17.2 (9.17-24.7)	2.86 (0.952-4.23)	14.3 (7.88-20.5)
Burkina Faso	Male	(107–253) 187 (137–316)	0.919 (0.344-1.24)	0.289 (0.075-0.419)	0.63 (0.313-0.825)	37500 (29000-58700)	(9.1-24.7) 396 (196-530)	(0.92-4.23) 99.1 (27.8-140)	(1.56=20.3) 297 (175=393)
Бигкіна Газо	wine	(137-310)	(0.344-1.24)	(2012-0413)	(0.313-0.023)	(29000-36700)	(190-330)	(27.0-140)	(173-393)

			All-Age Co	unt (Millions)		Age-Standardized Rate (per 100,000)				
Location	Sex	Reference	Difference between Reference and Elimination - 2023	Difference between Reference and Elimination - 2050	Difference between Elimination - 2050 and Elimination - 2023	Reference	Difference between Reference and Elimination - 2023	Difference between Reference and Elimination - 2050	Difference between Eliminatio and Elimination - 202.	
Cabo Verde	Female	1.08 (0.849-1.32)	0.00625 (0.00478-0.00795)	0.00194 (0.00146-0.00253)	0.00431 (0.00332-0.0054)	10300 (8260-12600)	60.7 (47.6–75.7)	17.8 (13.6-22.7)	42.9 (33.9–53.2)	
Cabo Verde	Male	(0.849=1.52) 1.91 (1.49=2.35)	0.0506 (0.0395-0.0614)	0.0177 (0.0136-0.0223)	0.0329 (0.0261-0.0392)	21100 (17200-25200)	(47.6–7.5.7) 573 (457–686)	(13.0-22.7) 177 (140-216)	(33.9–33.2) 396 (318–469)	
Cameroon	Female	136 (99.5–199)	0.117 (0.0789-0.16)	0.0247 (0.0183-0.0326)	0.0919 (0.0601-0.128)	24200 (18600–34800)	40.7 (29.3–55.6)	13.7 (10.8–17.2)	27.1 (18.7–38.1)	
Cameroon	Male	(173 (128–239)	(1.07.89-0.10) 1.92 (1.25-2.69)	0.747	1.17 (0.779–1.6)	(1800-54800) 31900 (24900-42500)	(29.3–53.0) 521 (340–719)	(10.8~17.2) 170 (104-241)	(18.7-38.1) 352 (238-479)	
Chad		(128-239) 153 (113-201)	0.138 (0.0987-0.186)	(0.439-1.06) 0.0172 (0.0123-0.0234)	0.121 (0.0863-0.162)	(24900-42500) 30900 (24400-39700)	94.1 (68.3–126)	(104-241) 12 (8.68-16)	(238-479) 82.1 (59.5-110)	
	Female	187	1.02	0.358	0.661	38100	657	188	469	
Chad	Male	(134-248) 112	(0.733-1.31) 0.279	(0.248-0.475) 0.0732	(0.477-0.837) 0.206	(29200-48900) 22500	(475-861) 87.5	(136-246) 21.8	(342-616) 65.8	
Côte d'Ivoire	Female	(79.8–185) 153	(0.18-0.398) 2.3	(0.045-0.105) 0.643	(0.134-0.293) 1.66	(16800-35900) 30300	(57–126) 669	(13.7–31.8) 177	(42.9-94) 491	
Côte d'Ivoire	Male	(116-202) 8.21	(1.47-3.09) 0.00894	(0.406-0.897) 0.00384	(1.12-2.2) 0.00511	(23400-40600) 21900	(447-925) 38.3	(119-245) 14.2	(327-679) 24.1	
Gambia	Female	(6.46-10.2) 10.5	(0.00646-0.0121) 0.193	(0.00267-0.00524) 0.0694	(0.00378-0.00677) 0.123	(17700-26700) 29500	(27.9-50.5) 797	(10.1–19.2) 235	(17.7-31.3) 562	
Gambia	Male	(8.41–13) 128	(0.148-0.251) 0.347	(0.0508-0.0942) 0.0878	(0.0966-0.157) 0.259	(24300-35400) 21800	(606-1010) 82.4	(178-305) 22.2	(431–705) 60.2	
Ghana	Female	(99.4–186) 165	(0.249-0.461) 2.42	(0.0624-0.118) 1.4	(0.181-0.346) 1.02	(17100-30000) 31700	(60-110) 716	(16.3-29.4) 409	(43.6-81.2) 307	
Ghana	Male	(126-225) 79.9	(1.83–3.03) 0.145	(1.04–1.79) 0.0464	(0.786-1.25) 0.0985	(25200-40300) 29300	(570-897) 108	(321–512) 32.8	(242-386) 74.8	
Guinea	Female	(56.9–134) 90.2	(0.106-0.191) 1.25	(0.0334-0.0625) 0.466	(0.0724-0.129) 0.786	(21500-44900) 33900	(78.7–145) 988	(23.7-44.7) 329	(55.1-101) 659	
Guinea	Male	(65.8–159) 10.4	(0.927-1.6) 0.0228	(0.334-0.612) 0.011	(0.586-0.987) 0.0118	(25300-51800) 29800	(728-1290) 101	(241-435) 43.2	(486–860) 57.6	
Guinea-Bissau	Female	(8.14–13.7) 13.7	(0.0163-0.0302) 0.199	(0.00771-0.0146) 0.118	(0.00848-0.0156) 0.0813	(23900-39400) 42900	(74.3–135) 1070	(31.1–59.2) 561	(43.1-76.4) 505	
Guinea-Bissau	Male	(10.8-17.9)	(0.15-0.259)	(0.0868-0.156)	(0.0601-0.102)	(34800-57500)	(830-1400)	(432-756)	(397-649)	
Liberia	Female	23.7 (16.2-33.5)	0.0637 (0.0403-0.0883)	0.0257 (0.016-0.0364)	0.038 (0.0244-0.0522)	26800 (19200-38600)	95.1 (64.2–136)	34.5 (22.6-50.4)	60.6 (41.3-85.7)	
Liberia	Male	27.5 (18.7-42)	0.364 (0.242-0.484)	0.18 (0.111-0.244)	0.185 (0.123-0.24)	29500 (21200-43200)	518 (362-707)	220 (142-310)	297 (211-404)	
Mali	Female	161 (115-247)	0.273 (0.194–0.366)	0.142 (0.0981-0.197)	0.131 (0.093-0.174)	28300 (22500-37400)	123 (88.3–167)	55.2 (38.8-75.2)	67.8 (49.1–91.4)	
Mali	Male	195 (144-260)	1.7 (1.31–2.12)	0.84 (0.649-1.06)	0.857 (0.667-1.06)	31800 (25600-39700)	847 (674–1080)	417 (332–533)	430 (339-549)	
Mauritania	Female	13.6 (10.8–17.5)	0.0565 (0.0413-0.0787)	0.00987 (0.00697-0.014)	0.0466 (0.0343-0.0647)	18700 (15000-23800)	88.5 (63.8–123)	14 (9.87–20.1)	74.5 (53.9–104)	
Mauritania	Male	15.4 (12.2–19.5)	0.232 (0.171-0.307)	0.062 (0.0432-0.087)	0.17 (0.128-0.222)	20900 (16600-26500)	436 (321–588)	94.5 (67.5–132)	341 (253–458)	
Niger	Female	203 (141-347)	0.094 (0.0642-0.13)	0.0217 (0.0142-0.0307)	0.0723 (0.0505-0.0998)	30400 (22200-45800)	38.6 (26.4–54.3)	8.59 (5.82-12)	30 (20.8–42.4)	
Niger	Male	227 (153-394)	0.784 (0.509-1.08)	0.207 (0.121-0.293)	0.577 (0.355-0.778)	33500 (24000-48800)	379 (273-500)	111 (82.9–141)	268 (188-360)	
Nigeria	Female	1230 (880–1800)	0.755 (0.514-1.04)	0.244 (0.16-0.342)	0.511 (0.35-0.696)	25200 (19000-36100)	27.7 (18.5-39.4)	8.57 (5.66–12.4)	19.1 (12.8–27)	
Nigeria	Male	1380 (1020-2120)	5.48 (3.71–7.36)	1.11 (0.727–1.53)	4.37 (3-5.82)	29800 (22700-40100)	224 (151–310)	36.1 (24-50.1)	188 (130-260)	
Sao Tome and Principe	Female	0.468 (0.373-0.594)	0.00213 (0.00166-0.00275)	0.00118 (0.000908-0.00154)	0.000958 (0.00075-0.00124)	15600 (12600-19000)	79.7 (62.5-99.7)	40.9 (31.9-51.7)	38.8 (30.7-48.5)	
Sao Tome and Principe	Male	0.591 (0.477-0.737)	0.0158 (0.0129-0.0192)	0.00807 (0.00647-0.0101)	0.00773 (0.00648-0.00922)	19900 (16800-23600)	605 (516-705)	276 (226-331)	329 (287–380)	
Senegal	Female	48.7 (39.4-60.2)	0.0496 (0.0362-0.0652)	0.00533 (0.00384-0.00714)	0.0443 (0.0324-0.0581)	18100 (14900-22300)	23.9 (17.4–32.3)	2.45 (1.76-3.35)	21.4 (15.6-29)	
Senegal	Male	60.3 (49.2-74.2)	0.788 (0.6-1)	0.253 (0.186-0.331)	0.535 (0.415-0.67)	23200 (19000-28600)	398 (300-512)	106 (78.9–138)	293 (222–373)	
Sierra Leone	Female	48 (34.5-69.2)	0.149 (0.0843-0.215)	0.0285 (0.0163-0.0415)	0.12 (0.07-0.174)	29500 (22100-42700)	126 (76.5–186)	22.7 (13.6-34.2)	103 (62.9–151)	
Sierra Leone	Male	55 (39.3-75.5)	0.736 (0.5-0.965)	0.319 (0.205-0.438)	0.417 (0.297-0.533)	33100 (24300-47100)	684 (476-929)	247 (163-343)	437 (307–585)	
Togo	Female	32.7 (24.2-46.9)	0.132 (0.094-0.175)	0.0753 (0.0531-0.101)	0.0566 (0.0406-0.0726)	22800 (16800-32600)	124 (85.5–170)	64.9 (43.9–90.4)	59 (41.7-81)	
Togo	Male	41.3 (30.4-59.8)	0.712 (0.479-0.925)	0.347 (0.221-0.46)	0.365 (0.255-0.465)	32100 (23800-45300)	849 (561–1150)	378 (242–517)	471 (318–632)	

Supplementary Results Table S3. Life expectancy at	birth by lo	cation, sex, and scenario					
			2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference		Reference	Elimination - 2023	Elimination - 2050
Global	Male	76.1 (73.6–78)	1.51 (1.45–1.58)	0.957 (0.912–1)	5.07 (2.79–6.67)	6.58 (4.27–8.23)	6.03 (3.73–7.66)
Global	Female	80.6 (78.1–82.6)	0.414 (0.395–0.435)	0.213 (0.197–0.23)	4.39 (1.82–6.16)	4.81 (2.22–6.58)	4.61 (2.02–6.38)
Central Europe, Eastern Europe, and Central Asia	Male	75.6 (73.5–77.2)	1.87 (1.81–1.95)	1.08 (1.04–1.12)	6.06 (4.04–7.53)	7.93 (5.92–9.42)	7.13 (5.14–8.61)
Central Europe, Eastern Europe, and Central Asia	Female	82.1 (79.9–84.1)	0.326 (0.309-0.343)	0.118 (0.11–0.127)	4.72 (2.61–6.4)	5.04 (2.94–6.73)	4.84 (2.73-6.52)
Central Asia	Male	75.9 (72–78.8)	1.94 (1.85-2.04)	1.28 (1.22–1.35)	6.95 (3.23-9.75)	8.88 (5.16–11.7)	8.23 (4.5–11.1)
Central Asia	Female	81.6 (77.7-84.8)	0.144 (0.126-0.166)	0.0389 (0.0298-0.0476)	6.25 (2.56–9.4)	6.4 (2.72–9.54)	6.29 (2.6–9.44)
Armenia	Male	79.8 (77.6–81.7)	3.38 (3.06–3.76)	2.34 (2.12–2.6)	7.05 (4.59–10.1)	10.4 (7.81–13.6)	9.39 (6.8–12.5)
Armenia	Female	84.8 (82.9–86.6)	0.104 (0.094–0.114)	0.0198 (0.0175-0.0223)	5.34 (3.14–8.14)	5.45 (3.24–8.24)	5.36 (3.16–8.16)
Azerbaijan	Male	76.7 (73.2–79.6)	2.75 (2.52–3.04)	2.06 (1.87–2.29)	6.95 (3.78–9.66)	9.7 (6.36–12.5)	9.01 (5.67–11.8)
Azerbaijan	Female	81.8 (78–85.2)	0.0492 (0.0415-0.0614)	0.00714 (0.00599–0.00901)	6.52 (3.01–9.64)	6.57 (3.06–9.68)	6.52 (3.02–9.64)
	Male	73.3 (71.7–74.8)	3.1 (2.87–3.4)	2.11 (1.96–2.29)	4 (2.43–5.24)	7.1 (5.4–8.53)	6.11 (4.47–7.45)
Georgia		84.4	0.303	0.0632	5.81	6.11	(4.47-7.43) 5.87 (3.91-7.55)
Georgia	Female	(82.4–86.3) 75.1	(0.285-0.319) 1.59	(0.0583-0.0693) 0.785	(3.84–7.49) 9.05	(4.14–7.79) 10.6	9.83
Kazakhstan	Male	(72.4–77) 81.7	(1.47–1.71) 0.124	(0.725-0.847) 0.0197	(6.43–11.6) 7.68	(8.05–13.1) 7.8	(7.24–12.3) 7.69
Kazakhstan	Female	(79.1–83.9) 74.9	(0.11–0.146) 3.12	(0.0167–0.0243) 2.27	(5.05–10.3) 7.48	(5.19–10.5) 10.6	(5.08–10.4) 9.75
Kyrgyzstan	Male	(71.3–78.2) 81.6	(2.92–3.34) 0.3	(2.12-2.44) 0.0668	(3.74–10.6) 6.72	(6.82–13.8) 7.02	(5.99–12.9) 6.78
Kyrgyzstan	Female	(78.3-84.9) 70.3	(0.258-0.349) 2.86	(0.0555-0.0816) 2.07	(3.11–10) 3.18	(3.45–10.3) 6.04	(3.19–10.1) 5.25
Mongolia	Male	(66.3–73.8) 80.4	(2.63-3.11) 0.456	(1.91-2.25) 0.219	(-0.527–5.97) 4.39	(2.28-8.89) 4.85	(1.54-8.09) 4.61
Mongolia	Female	(76.9–83.3) 77.8	(0.421-0.494) 1.04	(0.199-0.241) 0.632	(1.08–6.93) 6.46	(1.55–7.37) 7.5	(1.31–7.14) 7.1
Tajikistan	Male	(74–81.4) 80.3	(0.926–1.16) 0.133	(0.56–0.709) 0.0461	(2.44–10.1) 5.49	(3.56–11.1) 5.62	(3.09–10.8) 5.53
Tajikistan	Female	(75.3-84.4)	(0.11-0.166)	(0.0366-0.0613)	(1.22-9.63)	(1.38–9.74)	(1.28-9.66)
Turkmenistan	Male	73.9 (67.8–78.9)	1.08 (0.988–1.21)	0.545 (0.506-0.606)	7.21 (2.26–11.3)	8.29 (3.4–12.4)	7.75 (2.82–11.9)
Turkmenistan	Female	80.8 (74.3–86.3)	0.143 (0.11-0.189)	0.03 (0.0206-0.0464)	7.29 (2.09–12.4)	7.43 (2.26–12.5)	7.32 (2.13–12.4)
Uzbekistan	Male	76.5 (71.3-80.5)	1.64 (1.51–1.83)	1.12 (1.04–1.25)	5.61 (1.3–9.18)	7.25 (3.01–10.8)	6.73 (2.48–10.3)
Uzbekistan	Female	81.3 (76.6–85.6)	0.111 (0.0937–0.141)	0.0317 (0.0262-0.0414)	5.48 (1.03–9.34)	5.59 (1.16–9.44)	5.51 (1.07–9.36)
Central Europe	Male	77.7 (76.7–78.5)	1.69 (1.59–1.82)	0.95 (0.893-1.02)	4.52 (3.83–5.09)	6.21 (5.41–6.86)	5.47 (4.73–6.08)
Central Europe	Female	83.7 (82.6-84.6)	0.701 (0.654-0.758)	0.295 (0.274–0.32)	3.81 (2.84–4.58)	4.51 (3.51–5.32)	4.1 (3.13-4.89)
Albania	Male	79.7 (77.6–81.4)	2.88 (2.56-3.29)	2.21 (1.96-2.53)	4.29 (2.39–5.79)	7.16 (5.15-8.78)	6.49 (4.48-8.06)
Albania	Female	83.1 (81.2-84.9)	0.666 (0.587-0.756)	0.283 (0.248-0.327)	3.39 (1.55-4.94)	4.06 (2.19–5.69)	3.68 (1.82–5.26)
Bosnia and Herzegovina	Male	80 (77.7–82.8)	2.93 (2.52–3.34)	1.91 (1.63–2.18)	5.28 (3.42–7.19)	8.21 (6.1–10.2)	7.19 (5.16–9.19)
Bosnia and Herzegovina	Female	84.4 (81.7–87)	1.15 (1.02–1.31)	0.477 (0.414–0.555)	4.63 (2.22–6.43)	5.79 (3.25–7.62)	5.11 (2.63–6.93)
Bulgaria	Male	74 (72.2–75.6)	1.52 (1.39–1.67)	0.78 (0.701-0.869)	5.08 (3.92–6.18)	6.59 (5.49–7.71)	5.86 (4.76–6.95)
Bulgaria	Female	80.4 (78.9–81.9)	0.619 (0.547–0.695)	0.275 (0.239–0.318)	4.41 (3.31–5.63)	5.03 (3.94–6.25)	4.69 (3.59–5.9)
Croatia	Male	79.3 (78.3–80.4)	1.92 (1.72–2.15)	1.16 (1.05–1.29)	4.5 (3.73–5.29)	6.43 (5.56–7.24)	5.67 (4.83–6.47)
		84.1	0.711	0.294	3.35	4.06	3.65
Croatia	Female	(83-85.1) 80.4	(0.636-0.805)	(0.256–0.34) 0.817	(2.47–4.22) 3.66	(3.14-4.97) 5.16	(2.74-4.54) 4.48
Czechia	Male	(79.2–81.6) 85.4	(1.37–1.64) 0.596	(0.752–0.894) 0.204	(2.89–4.32) 2.92	(4.3–5.87) 3.51	(3.66–5.13) 3.12
Czechia	Female	(84.1–86.8) 78	(0.539–0.663) 1.54	(0.182–0.231) 0.76	(1.88–3.89) 4.82	(2.44-4.53) 6.36	(2.07–4.11) 5.58
Hungary	Male	(76.7–79.2) 82.9	(1.39–1.7) 0.716	(0.689–0.84) 0.255	(4–5.53) 3.21	(5.49–7.08) 3.92	(4.73–6.29) 3.46
Hungary	Female	(81.5–84.2) 76.7	(0.632–0.799) 2.01	(0.223-0.288) 1.29	(2.13–4.09) 4.4	(2.83-4.83) 6.41	(2.38–4.35) 5.69
Montenegro	Male	(75.4–78) 81.1	(1.76–2.28) 0.807	(1.13–1.46) 0.406	(3.6–5.34) 3.34	(5.52–7.34) 4.15	(4.84–6.61) 3.75
Montenegro	Female	(80-82.3) 77.3	(0.721–0.898) 1.9	(0.363-0.463) 1.15	(2.36–4.43) 6.34	(3.13–5.23) 8.24	(2.76–4.81) 7.49
North Macedonia	Male	(75.7–78.9) 80	(1.67–2.18) 0.729	(1.01–1.31) 0.301	(4.71-8.71) 5.19	(6.55–10.6) 5.92	(5.8–9.83) 5.49
North Macedonia	Female	(78.5–81.4) 77.5	(0.646–0.82) 1.63	(0.264-0.343) 0.883	(3.66–7.08) 4.07	(4.41–7.76) 5.7	(3.97–7.36) 4.95
Poland	Male	(76.4–78.7) 84.8	(1.49–1.82) 0.744	(0.805-0.978) 0.309	(3.44–4.85) 3.68	(5.02–6.48) 4.43	(4.32–5.73) 3.99
Poland	Female	(83.9–85.9) 76.2	(0.663–0.837) 1.64	(0.272–0.353) 0.877	(2.9–4.47) 4.49	(3.6–5.21) 6.13	(3.19–4.78) 5.37
Romania	Male	/6.2 (74.6–77.8) 83	(1.54 (1.51–1.79) 0.541	0.877 (0.807–0.953) 0.221	4.49 (3.21–5.45) 4.02	(4.76-7.1)	5.37 (4.05–6.31) 4.24
Romania	Female	(81.2-84.6)	(0.491-0.59)	(0.196-0.246)	(2.55-5.29)	4.56 (3.1–5.82)	(2.79-5.51)
Serbia	Male	77.3 (75.8–78.7)	1.8 (1.6–2.03)	1.01 (0.889–1.13)	4.27 (3.42–5.2)	6.07 (5.13–7.01)	5.28 (4.4–6.23)
Serbia	Female	81.5 (80.2-82.7)	1.09 (0.977–1.22)	0.549 (0.489–0.625)	3.68 (2.55–4.78)	4.76 (3.65–5.95)	4.23 (3.13–5.38)
Slovakia	Male	78.2 (76.8–79.6)	1.66 (1.48–1.84)	1.06 (0.946–1.17)	4.49 (3.4–5.4)	6.15 (4.97–7.15)	5.55 (4.38–6.51)
Slovakia	Female	83.8 (82.3–85.2)	0.321 (0.282-0.364)	0.127 (0.11–0.147)	3.56 (2.24–4.73)	3.88 (2.55–5.06)	3.68 (2.37-4.87)
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Supplementary Results Table S3. Life expectan	cy at birth by locat	ion, sex, and scenario					
			2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference	Difference between Elimination-2050 and Reference	Reference	Elimination - 2023	Elimination - 2050
Slovenia	Male	82.2 (81.3-83.1)	0.99 (0.88–1.1)	0.395 (0.348–0.446)	3.66 (3.24-4.07)	4.65 (4.15–5.07)	4.05 (3.6–4.46)
Slovenia	Female	87.5 (86.4-88.5)	0.461 (0.394-0.532)	0.17 (0.14–0.203)	2.7 (2.1–3.23)	3.16 (2.53–3.69)	2.87 (2.26–3.4)
Eastern Europe	Male	74.7 (72.4–76.7)	1.95 (1.86–2.05)	1.06 (1.01–1.12)	6.48 (4.65–7.97)	8.43 (6.62–9.98)	7.54 (5.76–9.05)
Eastern Europe	Female	81.9 (79.6-84)	0.226 (0.202-0.262)	0.0736 (0.062-0.09)	4.74 (2.81–6.5)	4.97 (3.07–6.7)	4.82 (2.9–6.56)
Belarus	Male	73.6 (70.5–76.3)	3.01 (2.8–3.26)	2.16 (2-2.33)	6.57 (4.14–8.52)	9.58 (7.08–11.6)	8.72 (6.24–10.7)
Belarus	Female	82.9 (80-85.4)	0.175 (0.148-0.222)	0.0425 (0.0337-0.059)	6.24 (3.65–8.66)	6.42 (3.88–8.82)	6.29 (3.72–8.7)
Estonia	Male	79.4 (78.2–80.7)	1.09 (1-1.21)	0.497 (0.457–0.547)	5.78 (5.03–6.44)	6.88 (6.09–7.57)	6.28 (5.52–6.95)
Estonia	Female	(78.2-80.7) 86 (84.9-87.1)	0.285 (0.255–0.322)	0.103 (0.0904–0.117)	4.26	4.54	4.36 (3.43–5.25)
Latvia		75.9	1.69	0.885	(3.33–5.15) 6.3 (5.05, 7.74)	(3.62–5.45) 7.98 ((74.0.45)	7.18
	Male	(74.5–77.4) 83.8	(1.57–1.82) 0.323	(0.819-0.949) 0.113	(5.05-7.74) 5.28	(6.74–9.45) 5.6	(5.95–8.65) 5.39
Latvia	Female	(82.4-85.1) 75	(0.294–0.354) 1.82	(0.102–0.127) 1.08	(3.81–6.92) 4.74	(4.13–7.24) 6.56	(3.93–7.03) 5.82
Lithuania	Male	(73.6–76.4) 83.6	(1.69–1.96) 0.279	(0.998–1.16) 0.111	(3.6–5.81) 3.96	(5.37–7.7) 4.24	(4.66–6.93) 4.07
Lithuania	Female	(82.2–85.1) 76.6	(0.249–0.309) 2.67	(0.0964–0.124) 1.6	(2.69–5.23) 6.12	(2.97–5.52) 8.8	(2.81–5.34) 7.72
Republic of Moldova	Male	(73–79.3) 84.9	(2.53–2.82) 0.218	(1.51–1.69) 0.0242	(2.82-8.14) 6.08	(5.49–10.9) 6.3	(4.46–9.77) 6.1
Republic of Moldova	Female	(80.9-87.9) 75.1	(0.198-0.251) 1.98	(0.0198-0.033) 1.04	(2.38-8.7) 6.94	(2.61-8.9) 8.92	(2.41-8.72) 7.98
Russian Federation	Male	(73.1–76.9) 82	(1.87–2.12) 0.242	(0.977-1.12) 0.0826	(5.43-8.3) 4.97	(7.42–10.3) 5.21	(6.51–9.35) 5.05
Russian Federation	Female	(80-83.9) 73.3	(0.212–0.277) 1.64	(0.0681-0.102) 0.863	(3.27–6.5) 4.77	(3.53-6.73) 6.41	(3.37–6.58) 5.63
Ukraine	Male	(68.2–78.3) 81	(1.46–1.8) 0.168	(0.785-0.936) 0.0421	(2.04–7.2) 3.56	(3.67–8.93) 3.73	(2.91-8.11) 3.6
Ukraine	Female	(76.6-85.6) 81.5	(0.128-0.223) 1.05	(0.0313-0.0597) 0.524	(0.723-6.28) 2.64	(0.916–6.42) 3.69	(0.775–6.32) 3.17
High-income	Male	(81.1–81.7) 85.4	(1.01–1.1) 0.594	(0.505–0.547) 0.232	(2.31–2.92) 1.57	(3.33–3.98) 2.16	(2.81–3.45)
High-income	Female	(85–85.8) 83.4	(0.573–0.614) 0.504	(0.224–0.239) 0.194	(1.17–1.91) 2.35	(1.75–2.51) 2.85	(1.4–2.14) 2.54
Australasia	Male	(83-83.7)	(0.481-0.529)	(0.184-0.204)	(1.98-2.62)	(2.47-3.13)	(2.17-2.82)
Australasia	Female	86.6 (86.2–87)	0.41 (0.39–0.434)	0.105 (0.1-0.111)	1.43 (0.974–1.75)	1.84 (1.38–2.17)	1.54 (1.08–1.86)
Australia	Male	83.5 (83.1–83.8)	0.434 (0.413–0.458)	0.133 (0.126–0.14)	2.3 (1.92–2.6)	2.74 (2.35–3.03)	2.43 (2.06–2.73)
Australia	Female	86.9 (86.4-87.3)	0.374 (0.353–0.398)	0.0856 (0.0806-0.0911)	1.42 (0.951–1.74)	1.79 (1.31–2.12)	1.5 (1.04–1.82)
New Zealand	Male	83 (82.6–83.4)	0.858 (0.813-0.906)	0.5 (0.474–0.527)	2.59 (2.21–2.91)	3.45 (3.05–3.78)	3.09 (2.7–3.42)
New Zealand	Female	85.4 (84.8-85.8)	0.593 (0.558–0.629)	0.205 (0.193-0.219)	1.5 (1–1.88)	2.1 (1.6–2.49)	1.71 (1.21–2.09)
High-income Asia Pacific	Male	84.5 (84.1-84.8)	1.05 (0.977–1.12)	0.422 (0.39–0.457)	2.63 (2.28–2.99)	3.68 (3.28–4.06)	3.05 (2.68–3.42)
High-income Asia Pacific	Female	89.3 (88.9–89.6)	0.299 (0.276-0.323)	0.0996 (0.09-0.112)	1.53 (1.18–1.91)	1.83 (1.45–2.22)	1.63 (1.27–2.01)
Brunei Darussalam	Male	78.1 (76.5–79.3)	1.26 (1.18–1.35)	0.849 (0.796-0.908)	3.13 (1.94-4)	4.39 (3.2–5.3)	3.97 (2.78-4.89)
Brunei Darussalam	Female	80.6 (79.1-82)	0.637 (0.581-0.697)	0.317 (0.289–0.35)	2.31 (1.07–3.12)	2.94 (1.72-3.79)	2.62 (1.39-3.46)
Japan	Male	84.3 (84-84.6)	0.938 (0.875-0.995)	0.291 (0.274-0.308)	2.13 (1.79–2.42)	3.06 (2.7–3.38)	2.42 (2.07–2.71)
Japan	Female	89.4 (89.1-89.7)	0.253 (0.238-0.271)	0.0316 (0.03–0.0333)	1.28 (0.965-1.59)	1.54 (1.21–1.84)	1.31 (0.996–1.62)
Republic of Korea	Male	84.5 (84.1-85)	1.3 (1.19–1.45)	0.701 (0.632–0.786)	4.17 (3.68–5.01)	5.48 (4.91–6.35)	4.87 (4.33–5.72)
Republic of Korea	Female	89 (88.5–89.5)	0.424 (0.373–0.487)	0.265 (0.229–0.308)	3.03 (2.5–3.91)	3.46 (2.89–4.35)	3.3 (2.74-4.19)
Singapore	Male	87 (86.4–87.6)	0.713 (0.677–0.758)	0.239 (0.228–0.253)	2.93 (2.3–3.47)	3.64 (3-4.2)	3.17 (2.54–3.72)
Singapore	Female	89.8 (89.1–90.4)	0.187 (0.166-0.21)	0.0374 (0.0306–0.0457)	1.82 (1.18–2.38)	2.01 (1.35–2.59)	1.86 (1.21–2.43)
High-income North America	Male	(39.1-90.4) 79.1 (78.5-79.5)	1.04 (0.996–1.09)	0.589 (0.562–0.617)	2.91 (2.4–3.36)	3.95 (3.43–4.44)	3.5 (2.98–3.97)
High-income North America	Female	(78.5-73.5) 83 (82.5-83.5)	0.848 (0.813–0.88)	0.341 (0.329–0.353)	1.77 (1.19–2.25)	2.62 (2.02–3.1)	2.11 (1.53–2.58)
Canada	Male	(82.3–83.5) 82.8 (82.3–83.2)	0.885 (0.835–0.94)	0.458 (0.432–0.485)	2.27 (1.84–2.65)	3.16 (2.7–3.54)	2.73 (2.28–3.12)
		85.9	0.675	0.22	1.31	1.98	1.53
Canada	Female	(85.4–86.3) 76 (74.3–77.4)	(0.632–0.725) 1.94 (1.74, 2.15)	(0.206-0.237) 1.08 (0.971 1.10)	(0.808–1.71) 4.45 (2.57, 5.08)	(1.47–2.39) 6.39 (5.44, 7, 1)	(1.03–1.93) 5.53 (4.62, 6.2)
Greenland	Male	(74.3–77.4) 81.8	(1.74-2.15) 1.82	(0.971–1.19) 0.993	(3.57–5.08) 4.64	(5.44–7.1) 6.45	(4.62–6.2) 5.63
Greenland	Female	(80.1-82.9) 78.6 (78.70.1)	(1.64–2.01) 1.06 (1.01–1.11)	(0.901–1.11) 0.604 (0.575-0.(24)	(3.51–5.37) 2.91	(5.24–7.26) 3.98 (2.42, 4.40)	(4.47–6.39) 3.52 (2.07–4.02)
United States of America	Male	(78–79.1) 82.7	(1.01–1.11) 0.868	(0.575–0.634) 0.356	(2.36–3.41) 1.77	(3.42–4.49) 2.64	(2.97–4.03) 2.13
United States of America	Female	(82.1-83.2) 79.1	(0.832-0.902) 1.01	(0.342–0.369) 0.524	(1.17–2.27) 3.51	(2.02–3.14) 4.52	(1.52–2.62) 4.03
Southern Latin America	Male	(78.5–79.7) 83.3	(0.963-1.06) 0.578	(0.497–0.552) 0.281	(2.96–3.99) 2.28	(3.95–5.04) 2.86	(3.47–4.53) 2.56
Southern Latin America	Female	(82.7–83.9) 77.9	(0.549–0.611) 1.18	(0.264-0.299) 0.643	(1.69–2.84) 3.09	(2.28–3.41) 4.27	(1.98–3.12) 3.73
Argentina	Male	(77.3–78.5) 82.3	(1.12–1.24) 0.716	(0.611-0.674) 0.361	(2.49–3.66) 2.01	(3.65–4.85) 2.72	(3.12–4.3) 2.37
Argentina	Female	(81.6–83) 82.1	(0.684–0.755) 0.503	(0.341–0.383) 0.151	(1.36–2.65) 4.16	(2.08–3.38) 4.66	(1.73–3.02) 4.31
Chile	Male	(81.6–82.7) 85.6	(0.48–0.528) 0.267	(0.142–0.161) 0.0997	(3.6–4.66) 2.68	(4.11–5.18) 2.95	(3.76–4.81) 2.78
Chile	Female	(85.1-86.1)	(0.253-0.281)	(0.0933-0.107)	(2.16–3.13)	(2.42–3.39)	(2.26–3.22)

Supplementary Results Table S3. Life expectance	cy at birth by locat	tion, sex, and scenario					
			2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference	Difference between Elimination-2050 and Reference	Reference	Elimination - 2023	Elimination - 2050
Uruguay	Male	76.7 (76.1–77.2)	1.44 (1.36–1.53)	0.844 (0.8–0.892)	3.27 (2.8–3.66)	4.71 (4.21–5.11)	4.12 (3.62–4.51)
Uruguay	Female	82.7 (82.1–83.2)	0.449 (0.426-0.472)	0.168 (0.159-0.179)	2.36 (1.84-2.79)	2.81 (2.28–3.25)	2.53 (2.01–2.96)
Western Europe	Male	82.7 (82.5–82.9)	1.08 (1.03–1.13)	0.522 (0.5–0.546)	2.64 (2.42–2.8)	3.72 (3.48–3.89)	3.16 (2.94–3.33)
Western Europe	Female	86.2 (85.9-86.5)	0.497 (0.476–0.52)	0.177 (0.17-0.185)	1.63 (1.35–1.86)	2.13 (1.84–2.37)	1.81 (1.52–2.05)
Andorra	Male	83.9 (81.1–87)	1.37 (1.2–1.54)	0.727 (0.655–0.811)	2.27 (1.8–2.66)	3.64 (3.13–4.04)	3 (2.52–3.37)
Andorra	Female	87.8 (85.6–90.1)	0.364 (0.31–0.423)	0.0947 (0.0743–0.118)	1.58 (0.736–2.28)	1.95 (1.06–2.64)	1.68 (0.823–2.37)
		83.4	1.04	0.437	3.14	4.18	(3.14–3.93)
Austria	Male	(83-83.8) 86.9	(0.982–1.11) 0.428	(0.412-0.467) 0.136	(2.7–3.49)	(3.74-4.55) 2.63	2.34
Austria	Female	(86.5–87.4) 82.5	(0.4–0.462) 1.17	(0.126-0.148) 0.593	(1.76–2.61) 2.65	(2.19–3.04) 3.81	(1.9–2.75) 3.24
Belgium	Male	(82.1-82.9) 86	(1.08–1.25) 0.503	(0.551–0.637) 0.142	(2.3–2.96) 1.56	(3.45–4.13) 2.06	(2.88–3.56) 1.7
Belgium	Female	(85.5–86.4) 82.6	(0.469–0.542) 1.22	(0.133-0.155) 0.647	(1.1–1.96) 3.04	(1.6–2.46) 4.26	(1.24–2.1) 3.69
Cyprus	Male	(81.6-83.6) 85.7	(1.11–1.35) 0.248	(0.589-0.717) 0.0586	(2.46–3.5) 2.22	(3.63–4.75) 2.47	(3.09–4.15) 2.28
Cyprus	Female	(84.9-86.3) 82.3	(0.222-0.275) 1.23	(0.0521-0.0665) 0.804	(1.64–2.67) 3.02	(1.89–2.93) 4.25	(1.7–2.74) 3.83
Denmark	Male	(82-82.6) 84.8	(1.15–1.32) 1.02	(0.751–0.867) 0.49	(2.71–3.38) 1.62	(3.92–4.63) 2.63	(3.5–4.19) 2.11
Denmark	Female	(84.4-85.2)	(0.956-1.08)	(0.46-0.521)	(1.21-2.01)	(2.22-3.02)	(1.7-2.5)
Finland	Male	82.6 (82.2–83.1)	0.841 (0.794–0.899)	0.321 (0.304–0.342)	4.56 (3.91–5.26)	5.4 (4.74–6.12)	4.88 (4.23–5.59)
Finland	Female	86.6 (86.2-87.1)	0.325 (0.303–0.349)	0.0894 (0.0831-0.0964)	2.98 (2.37–3.63)	3.31 (2.7–3.97)	3.07 (2.46–3.73)
France	Male	82.6 (82.3-82.8)	1.19 (1.09–1.29)	0.545 (0.498-0.592)	2.31 (2.03–2.59)	3.49 (3.22–3.77)	2.85 (2.58–3.13)
France	Female	87.3 (87–87.6)	0.465 (0.423-0.514)	0.183 (0.164-0.204)	1.43 (1.13–1.7)	1.9 (1.58–2.18)	1.62 (1.31–1.89)
Germany	Male	81.7 (81.5-82)	1.08 (1.02–1.14)	0.477 (0.453-0.505)	2.5 (2.2–2.78)	3.58 (3.26–3.87)	2.98 (2.67–3.26)
Germany	Female	85.2 (84.9-85.5)	0.52 (0.49–0.553)	0.165 (0.155-0.177)	1.38 (1.07–1.65)	1.9 (1.58–2.17)	1.54 (1.23–1.82)
Greece	Male	81.3 (80.8–81.7)	2.03 (1.92–2.17)	1.15 (1.09–1.22)	3.6 (3.18–4.01)	5.64 (5.18–6.1)	4.76 (4.33–5.19)
		85.1	0.667	0.265	2.19	2.86	2.46
Greece	Female	(84.8-85.4) 84.3	(0.631–0.711) 0.845	(0.251-0.284) 0.45	(1.84–2.55) 2.47	(2.5–3.24) 3.32	(2.1–2.83) 2.92
Iceland	Male	(83.6-85.1) 87.1	(0.787–0.914) 0.534	(0.42–0.485) 0.1	(2.01–2.95) 2.4	(2.84–3.79) 2.94	(2.46–3.4) 2.5
Iceland	Female	(86.4–87.8) 85	(0.494-0.584) 0.86	(0.0916–0.111) 0.417	(1.89–2.83) 3.44	(2.38–3.4) 4.3	(1.98-2.94) 3.86
Ireland	Male	(84.6-85.4) 87.1	(0.817-0.917) 0.645	(0.394-0.447) 0.205	(3.13–3.89) 2.14	(4-4.74) 2.79	(3.55–4.3) 2.35
Ireland	Female	(86.7–87.5) 84.5	(0.601–0.687) 0.802	(0.19-0.219) 0.321	(1.82–2.48) 2.78	(2.46–3.13) 3.58	(2.02–2.7) 3.1
Israel	Male	(83.5–85.2) 87.3	(0.734–0.88) 0.287	(0.295-0.351) 0.0644	(1.73–3.73) 1.92	(2.52-4.58) 2.21	(2.04-4.07) 1.98
Israel	Female	(86.6–87.7) 83.5	(0.262–0.316) 1.01	(0.0583-0.0716)	(1.28–2.43) 2.76	(1.54–2.73) 3.77	(1.34–2.49) 3.26
Italy	Male	(83.3–83.8) 87	(0.956–1.09) 0.409	(0.471–0.535) 0.108	(2.43–3.08) 1.87	(3.46–4.12) 2.28	(2.94–3.59) 1.98
Italy	Female	(86.6-87.2)	(0.383-0.438)	(0.1-0.117)	(1.5-2.2)	(1.91-2.62)	(1.61-2.31)
Luxembourg	Male	83.1 (82.2–83.8)	1.14 (1.06–1.22)	0.584 (0.545-0.626)	2.05 (1.64–2.4)	3.19 (2.76–3.51)	2.64 (2.21–2.95)
Luxembourg	Female	86.5 (85.7–87.2)	0.507 (0.471–0.546)	0.126 (0.115-0.137)	1.22 (0.622–1.62)	1.73 (1.09–2.13)	1.35 (0.74–1.75)
Malta	Male	84.5 (83.7–85.4)	0.98 (0.907-1.06)	0.391 (0.362-0.425)	3.81 (3.09–4.46)	4.79 (4.04–5.45)	4.2 (3.47–4.85)
Malta	Female	86.8 (85.9–87.6)	0.377 (0.349–0.415)	0.0944 (0.0867-0.103)	2.87 (2.21–3.45)	3.25 (2.57–3.84)	2.97 (2.3–3.55)
Monaco	Male	80 (78.6-81.1)	1.6 (1.41–1.82)	0.96 (0.843-1.09)	2.3 (1.96–2.65)	3.9 (3.53-4.29)	3.26 (2.92–3.64)
Monaco	Female	83.5 (81.9-85.2)	0.829 (0.707-0.957)	0.293 (0.243-0.347)	1.22 (0.823-1.56)	2.04 (1.66–2.38)	1.51 (1.13–1.86)
Netherlands	Male	82.7 (82.4–82.9)	0.99 (0.932–1.05)	0.571 (0.539–0.607)	1.94 (1.73–2.13)	2.93 (2.71–3.12)	2.51 (2.29–2.7)
Netherlands	Female	84.7 (84.4–85)	0.68 (0.636-0.729)	0.289 (0.27–0.31)	0.872 (0.593–1.1)	1.55 (1.27–1.78)	1.16 (0.876–1.39)
	Male	83.8	0.346	0.0837	2.38	2.72	2.46
Norway		(83.5–84) 85.9	(0.327–0.368) 0.183	(0.0786-0.0894) 0.027	(2.08–3.22)	(2.43–3.58)	(2.16–3.31) 1.36
Norway	Female	(85.6-86.2) 82.6	(0.173–0.194) 0.976	(0.025-0.0291) 0.378	(1.01–2.06) 3.44	(1.19–2.24) 4.42	(1.04–2.08) 3.82
Portugal	Male	(82.3-82.9) 87.5	(0.92–1.04) 0.212	(0.355-0.401) 0.0848	(3.09–3.83) 2.69	(4.04-4.81) 2.91	(3.46–4.22) 2.78
Portugal	Female	(87–87.9) 87.9	(0.199–0.228) 1.09	(0.0795-0.0907) 0.608	(2.21–3.08) 3.14	(2.42–3.31) 4.23	(2.3–3.17) 3.75
San Marino	Male	(85–90.7) 90.1	(0.887–1.3) 0.309	(0.51-0.714) 0.0653	(2.55–3.79) 1.89	(3.56–4.9) 2.2	(3.12–4.39) 1.96
San Marino	Female	(87.1–93.2) 83.5	(0.243-0.381) 1.15	(0.0474–0.085) 0.492	(1.15–2.57) 2.98	(1.47–2.87) 4.13	(1.22–2.63) 3.48
Spain	Male	(83.2–83.7) 87.7	(1.09–1.22) 0.215	(0.492 (0.465–0.521) 0.0698	(2.68–3.25) 1.77	(3.79–4.41) 1.99	(3.16–3.75) 1.84
Spain	Female	(87.3-88.1)	(0.198-0.236)	(0.0642-0.0767)	(1.37-2.19)	(1.58-2.41)	(1.44-2.26)
Sweden	Male	84.5 (83.4–85.6)	0.777 (0.72–0.854)	0.475 (0.439–0.518)	2.24 (1.93–2.53)	3.01 (2.71–3.32)	2.71 (2.4–3.01)
Sweden	Female	86.5 (85.6–87.4)	0.673 (0.618–0.724)	0.299 (0.274–0.325)	1.37 (0.997–1.71)	2.04 (1.64–2.4)	1.66 (1.28–2.02)
Switzerland	Male	85.3 (84.9–85.6)	0.961 (0.9–1.04)	0.51 (0.476-0.553)	2.13 (1.84–2.43)	3.09 (2.78–3.39)	2.64 (2.34–2.94)
Switzerland	Female	87.8 (87.5–88.1)	0.551 (0.515-0.589)	0.174 (0.162–0.189)	1.12 (0.822–1.37)	1.67 (1.35–1.93)	1.3 (0.983–1.55)
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		tion, sex, and scenario	2050		Change between 2022 and 2050		
Location	Sex	Reference	Difference between	Difference between	Reference	Elimination - 2023	Elimination - 2050
		82.2	1.08	Elimination-2050 and Reference 0.604	2.3	3.38 (3.06–3.64)	2.9
United Kingdom	Male	(81.9-82.5) 84.9	(1.03–1.13) 0.771	(0.577-0.632) 0.304	(1.98–2.56) 1.47	2.24	(2.59-3.16) 1.78
United Kingdom	Female	(84.6-85.3) 77.2	(0.731–0.812) 0.757	(0.289-0.319) 0.441	(1.12–1.78) 4.64	(1.89–2.56) 5.39	(1.42-2.09) 5.08
Latin America and Caribbean	Male	(74.8-78.8)	(0.724-0.792)	(0.421-0.46)	(2.41-6.14)	(3.14-6.91)	(2.84-6.59)
Latin America and Caribbean	Female	82.4 (79.8-84.5)	0.312 (0.296-0.331)	0.116 (0.108-0.129)	3.7 (1.22–5.68)	4.01 (1.54–5.99)	3.81 (1.35-5.79)
Andean Latin America	Male	79.6 (77.1–81.9)	0.505 (0.468-0.545)	0.283 (0.262-0.306)	5.63 (3.91–7.13)	6.14 (4.4–7.66)	5.92 (4.19-7.42)
Andean Laun America	Male	82.6	0.136	0.0451	4.56	4.69	(4.19-7.42) 4.6
Andean Latin America	Female	(80.2-84.7) 76.1	(0.123-0.149) 0.788	(0.0399-0.0507) 0.514	(2.75-6) 9.02	(2.88–6.14) 9.8	(2.79-6.05) 9.53
Bolivia (Plurinational State of)	Male	(72.7–79.1)	(0.697-0.898)	(0.454-0.587)	(6.16–12)	(6.92-12.8)	(6.66-12.5)
Bolivia (Plurinational State of)	Female	77.4 (74.1-80.3)	0.182 (0.159-0.207)	0.101 (0.0851-0.118)	6.93 (4.43–9.34)	7.11 (4.59–9.53)	7.03 (4.52–9.44)
Ecuador	Male	78.6 (75.9–81.2)	0.512 (0.46-0.571)	0.262 (0.234-0.294)	3.82 (1.96-5.24)	4.33 (2.45–5.75)	4.08 (2.22-5.49)
	Male	82.6	0.165	0.0495	2.99	3.15	3.04
Ecuador	Female	(80.3-84.8) 81.3	(0.147-0.183) 0.397	(0.0434-0.0561) 0.203	(1.34–4.19) 5.08	(1.5-4.36) 5.48	(1.39-4.24) 5.29
Peru	Male	(78.4-84.1)	(0.356-0.445)	(0.183-0.225)	(3.45-6.4)	(3.82-6.82)	(3.65-6.61)
Peru	Female	84.4 (81.8-86.9)	0.1 (0.0895-0.113)	0.0194 (0.0173-0.0217)	4.19 (2.45–5.59)	4.29 (2.55–5.69)	4.21 (2.47-5.61)
Creibhan	Mala	74.5	1.03	0.62	4.72	5.76	5.34
Caribbean	Male	(59.9–77.5) 78.8	(0.667–1.11) 0.457	(0.405-0.666) 0.208	(-11.4–18.7) 4.13	(-10.8–19.8) 4.58	(-11–19.3) 4.34
Caribbean	Female	(68.2-82.1) 77.8	(0.341-0.493) 0.681	(0.155-0.228) 0.416	(-7.52–14.7) 3.26	(-7.18–15.1) 3.94	(-7.37–14.9) 3.68
Antigua and Barbuda	Male	(76.3-78.9)	(0.626-0.739)	(0.383-0.451)	(1.63-4.29)	(2.31-5.02)	(2.05-4.73)
Antigua and Barbuda	Female	80.2 (78.6-81.4)	0.283 (0.267-0.301)	0.111 (0.104–0.119)	2.22 (0.541-3.34)	2.5 (0.807–3.63)	2.33 (0.647–3.45)
C C		74.3	0.789	0.518	3.82	4.61	4.34
Bahamas	Male	(71.2–77.1) 80.1	(0.734–0.842) 0.222	(0.481-0.553) 0.102	(2.46-5.29) 3.04	(3.24–6.11) 3.26	(2.98-5.83) 3.14
Bahamas	Female	(77.4–82.6) 78.5	(0.208-0.237) 0.575	(0.0955-0.109) 0.291	(1.43-4.28)	(1.65-4.51)	(1.53-4.39) 4.9
Barbados	Male	(75.7–81.2)	(0.523-0.626)	(0.263-0.318)	4.61 (2.79–5.96)	5.19 (3.31–6.55)	(3.05-6.26)
Barbados	Female	80 (77.3-82.2)	0.0857 (0.0749-0.0986)	0.0154 (0.0136-0.0182)	2.73 (0.966–3.96)	2.82 (1.06-4.05)	2.75 (0.984–3.98)
		76.2	1.09	0.702	4.3	5.39	5.01
Belize	Male	(73.4–78.6) 81.5	(1.03–1.16) 0.274	(0.663-0.744) 0.118	(1.3–7.43) 4.51	(2.35–8.54) 4.78	(1.98–8.15) 4.63
Belize	Female	(78.5-84.1)	(0.26-0.29)	(0.11-0.129)	(1.26-7.3)	(1.53-7.57)	(1.38-7.42)
Bermuda	Male	81.4 (79.6-82.7)	0.979 (0.888–1.09)	0.587 (0.533-0.649)	3.84 (3.1–4.52)	4.82 (4.06–5.54)	4.42 (3.69–5.13)
Bermuda	Female	88.4 (86.4-89.8)	0.388 (0.341-0.441)	0.156 (0.137-0.178)	3.35 (2.46-4.09)	3.74 (2.82–4.49)	3.51 (2.61-4.25)
		78.5	1.57	0.884	2.35	3.92	3.23
Cuba	Male	(76.7-80.2) 83.7	(1.45–1.7) 0.625	(0.813-0.955) 0.205	(1.29-3.05) 2.54	(2.79–4.64) 3.16	(2.15–3.93) 2.74
Cuba	Female	(81.9-85.1)	(0.573-0.677)	(0.185-0.227)	(1.27-3.45)	(1.87-4.09)	(1.47-3.66)
Dominica	Male	73.1 (70.3–75.4)	0.77 (0.698–0.852)	0.458 (0.416-0.505)	4.55 (2.55-6.18)	5.32 (3.25-7.01)	5 (2.97–6.68)
Dominica	Female	77.7 (74.8–79.9)	0.218 (0.199-0.241)	0.0526 (0.0476-0.0578)	3.84 (1.65-5.58)	4.06 (1.85–5.82)	3.89 (1.7-5.63)
		76.9	1.21	0.909	4.37	5.58	5.28
Dominican Republic	Male	(73.3–79.8) 82.5	(1.11–1.33) 0.804	(0.837-0.996) 0.53	(1.9–5.99) 3.83	(3.07–7.24) 4.63	(2.77-6.93) 4.36
Dominican Republic	Female	(79.1-85.2)	(0.725-0.893)	(0.474-0.596)	(1.38-5.62)	(2.13-6.52)	(1.86-6.22)
Grenada	Male	73.9 (71.5–75.7)	0.658 (0.617-0.704)	0.361 (0.333-0.394)	3.58 (1.74–4.77)	4.23 (2.4–5.43)	3.94 (2.11-5.13)
Grenada	Female	78.5	0.227	0.0799	3.35	3.58	3.43
		(76-80.5) 70.9	(0.215-0.241) 0.825	(0.0747–0.0868) 0.458	(1.25–4.76) 6.86	(1.48–4.99) 7.69	(1.33–4.84) 7.32
Guyana	Male	(66.8–75) 77.8	(0.748-0.901) 0.225	(0.406-0.517) 0.107	(4.35–10.2) 6.9	(5.24–11) 7.13	(4.86–10.6) 7.01
Guyana	Female	(74.3-81)	(0.203-0.247)	(0.0947-0.12)	(4.43–10)	(4.66–10.2)	(4.54–10.1)
Haiti	Male	69.5 (40.8–74.9)	0.49 (0.134–0.577)	0.272 (0.077-0.329)	7.71 (-21.4–36)	8.2 (-21.3-36.5)	7.98 (-21.3-36.2)
Haiti	Female	71 (50.1–76.8)	0.2 (0.0892-0.24)	0.105 (0.0473-0.126)	7.69 (-13.6–29.2)	7.89 (-13.5–29.5)	7.8 (-13.6–29.4)
		78	0.94	0.469	4.14	5.08	4.61
Jamaica	Male	(74.8-81.4) 81.4	(0.861-1.03) 0.323	(0.429–0.511) 0.0777	(2.58-5.73) 3.85	(3.49–6.68) 4.17	(3.05-6.21) 3.93
Jamaica	Female	(78-84.7)	(0.298-0.35)	(0.0702-0.0862)	(1.45-5.57)	(1.76-5.89)	(1.53-5.65)
Puerto Rico	Male	81.4 (78.9–83.7)	0.885 (0.81–0.959)	0.484 (0.444–0.521)	4.61 (3.33–5.73)	5.49 (4.17–6.65)	5.09 (3.79-6.23)
Puerto Rico	Female	87.4 (85.4-89.3)	0.39 (0.362-0.419)	0.0884 (0.0812-0.0968)	3.03 (1.55-4.33)	3.42 (1.92-4.74)	3.11 (1.64-4.42)
		74.8	0.464	0.232	4.96	5.42	5.19
Saint Kitts and Nevis	Male	(72.7–76.7) 80.5	(0.429-0.51) 0.172	(0.216-0.253) 0.0711	(3.32–6.3) 4.02	(3.79–6.78) 4.19	(3.55-6.54) 4.09
Saint Kitts and Nevis	Female	(78.1-82.7)	(0.158-0.187)	(0.0649-0.0781)	(2.04-5.59)	(2.2-5.77)	(2.11-5.66)
Saint Lucia	Male	76.4 (73.5–78.9)	0.708 (0.647–0.771)	0.351 (0.32-0.383)	4.73 (2.47–6.78)	5.44 (3.2–7.45)	5.08 (2.83-7.11)
Saint Lucia	Female	82.5	0.214	0.0718	4.52	4.73	4.59 (2.19-6.52)
		(79.6–85) 74	(0.196–0.233) 0.687	(0.0657–0.0785) 0.383	(2.12–6.44) 3.88	(2.33–6.67) 4.56	4.26
Saint Vincent and the Grenadines	Male	(72–75.7) 79.3	(0.633-0.741) 0.192	(0.345-0.423) 0.0842	(2.18-5.14) 3.93	(2.9-5.81) 4.12	(2.59–5.5) 4.01
Saint Vincent and the Grenadines	Female	(76.9-81.3)	(0.181-0.206)	(0.0795-0.09)	(1.69–5.4)	(1.89-5.59)	(1.78-5.48)
Suriname	Male	75.5 (70.9–79.8)	1.1 (1.03–1.18)	0.525 (0.479–0.58)	5.44 (2.33-7.96)	6.54 (3.39–9.11)	5.96 (2.85-8.5)
		80.9	0.373	0.102	4.82	5.2	4.92
Suriname	Female	(76.8-84.2) 76	(0.347-0.405) 0.951	(0.091-0.117) 0.519	(1.79–7.32) 6.62	(2.15–7.68) 7.57	(1.89–7.41) 7.14
Trinidad and Tobago	Male	(72.5–79.5) 82.8	(0.856-1.04) 0.277	(0.453-0.586) 0.0721	(4.67-8.82) 6.48	(5.67–9.75) 6.76	(5.24–9.32) 6.55
Trinidad and Tobago	Female	82.8 (79.7-85.9)	(0.253-0.304)	(0.0632-0.0816)	6.48 (4.37–8.76)	6.76 (4.66-9.05)	6.55 (4.45-8.83)

Supplementary Results Table S3. Life expectancy	y at birth by loc:	ation, sex, and scenario					
	_		2050			Change between 2022 and 2050	
Location	Sex	Reference		Difference between Elimination-2050 and Reference	Reference	Elimination - 2023	Elimination - 2050
United States Virgin Islands	Male	77.2 (74.6–79.6)	0.615 (0.553-0.698)	0.395 (0.355-0.446)	6.3 (4.45–9.14)	6.92 (5.05–9.78)	6.7 (4.84–9.55)
United States Virgin Islands	Female	86 (84–87.8)	0.278 (0.243-0.317)	0.0819 (0.0701-0.0959)	4.59 (2.62–7.29)	4.87 (2.88–7.58)	4.67 (2.7–7.38)
Central Latin America	Male	76.8 (73.7–79.1)	0.613 (0.585-0.642)	0.3 (0.283-0.321)	4.7 (2.03–6.24)	5.32 (2.63–6.86)	5 (2.34–6.54)
		82.1	0.214	0.0459	3.55	3.76	3.59
Central Latin America	Female	(78.9–84.8) 82.1	(0.198-0.238) 0.497	(0.0388-0.0608) 0.145	(0.609-5.71) 5.33	(0.844–5.9) 5.83	(0.667–5.75) 5.48
Colombia	Male	(79.5-84.2) 86.8	(0.457–0.543) 0.193	(0.134-0.158) 0.0354	(3.78–6.4) 3.85	(4.24–6.92) 4.05	(3.92-6.55) 3.89
Colombia	Female	(84.2-89)	(0.177-0.211)	(0.0309-0.0406)	(1.71–5.33)	(1.9-5.53)	(1.74–5.37)
Costa Rica	Male	80.4 (78.5–82)	0.738 (0.681–0.795)	0.418 (0.386-0.451)	3.8 (2.36–4.78)	4.54 (3.05-5.52)	4.22 (2.75–5.19)
Costa Rica	Female	86.2 (84.5-87.7)	0.251 (0.238-0.265)	0.0403 (0.0382-0.0427)	3.26 (1.65-4.42)	3.51 (1.9–4.67)	3.3 (1.69–4.46)
El Salvador	Male	75.3 (72.1–78.3)	0.635 (0.574-0.701)	0.338 (0.298-0.385)	5.15 (3.07-6.72)	5.79 (3.72–7.33)	5.49 (3.43-7.03)
		82.5	0.241	0.104	3.52	3.76	3.62
El Salvador	Female	(79.4–85.6) 76.7	(0.216-0.265) 0.55	(0.09-0.118) 0.309	(0.991–5.66) 5.77	(1.22–5.92) 6.32	(1.09–5.77) 6.08
Guatemala	Male	(74–79) 81.4	(0.512-0.595) 0.182	(0.286-0.336) 0.0691	(3.66–7.28) 5.45	(4.22–7.86) 5.63	(3.98–7.6) 5.52
Guatemala	Female	(78.7-83.8)	(0.17-0.195)	(0.0637-0.0751)	(2.88-7.55)	(3.06-7.74)	(2.95-7.62)
Honduras	Male	74.9 (70.5–77.1)	0.975 (0.826-1.12)	0.636 (0.541-0.729)	5.03 (0.328–9.96)	6 (1.15–11)	5.66 (0.862–10.6)
Honduras	Female	77.2 (73.5–79.9)	0.327 (0.278–0.383)	0.119 (0.0982-0.144)	4.39 (0.809–7.54)	4.72 (1.11–7.86)	4.51 (0.916-7.66)
Mexico	Male	75.8 (73.2–78.3)	0.582 (0.54–0.626)	0.277 (0.258-0.296)	4.56 (2.63–5.93)	5.14 (3.21–6.56)	4.83 (2.92–6.23)
		81.2	0.186	0.0244	3.6	3.79	3.63
Mexico	Female	(78.8–83.5) 79.7	(0.173–0.199) 0.716	(0.0218-0.0266) 0.464	(1.61–5.27) 2.62	(1.78–5.47) 3.34	(1.63–5.3) 3.09
Nicaragua	Male	(75.9–82.6) 84	(0.598-0.801) 0.116	(0.387-0.527) 0.0305	(-0.74-5.16) 2	(-0.0674–5.95) 2.11	(-0.333-5.68) 2.03
Nicaragua	Female	(81.1-86.5)	(0.1-0.136)	(0.0258-0.0369)	(-0.609-4.26)	(-0.479-4.37)	(-0.573-4.29)
Panama	Male	81.5 (78.9-84.1)	0.537 (0.487–0.59)	0.208 (0.191-0.228)	4.61 (3.12–5.77)	5.15 (3.61–6.33)	4.82 (3.31–5.99)
Panama	Female	85.8 (83.4–88.3)	0.272 (0.254-0.291)	0.0985 (0.0921-0.106)	3.49 (1.75-4.94)	3.76 (2.01–5.22)	3.58 (1.85-5.04)
Venezuela (Bolivarian Republic of)	Male	70.3 (58.4–77.5)	0.874 (0.78–1.03)	0.497 (0.429–0.634)	2.52 (-7.89-8.01)	3.4 (-6.87–8.86)	3.02 (-7.27-8.47)
		78.1	0.366	0.119	1.46	1.83	1.58
Venezuela (Bolivarian Republic of)	Female	(65.5–85.9) 77.5	(0.27-0.562) 0.915	(0.0719-0.225) 0.59	(-9.22-8.31) 4.18	(-8.7–8.63) 5.1	(-9.02–8.4) 4.77
Tropical Latin America	Male	(75.6–78.6) 83.3	(0.866-0.961) 0.437	(0.559–0.62) 0.194	(2.27–5.09) 3.49	(3.16-6.01) 3.92	(2.85-5.69) 3.68
Tropical Latin America	Female	(81.2-84.8) 77.5	(0.417–0.459) 0.906	(0.184–0.21) 0.583	(1.41–4.9) 4.2	(1.86–5.34) 5.1	(1.62–5.09) 4.78
Brazil	Male	(75.6-78.6)	(0.858-0.951)	(0.552-0.613)	(2.31-5.1)	(3.19-6.02)	(2.88-5.7)
Brazil	Female	83.3 (81.2-84.8)	0.433 (0.413–0.456)	0.191 (0.18-0.208)	3.48 (1.42-4.91)	3.91 (1.86–5.34)	3.67 (1.62-5.09)
Paraguay	Male	76 (72.3–79.1)	1.21 (1.09–1.34)	0.807 (0.727–0.893)	3.62 (1.31-5.02)	4.83 (2.4–6.27)	4.42 (2.03-5.85)
Paraguay	Female	82.3 (78.9–85.3)	0.637 (0.577-0.697)	0.341 (0.306-0.374)	3.82 (1.37–5.48)	4.45 (1.96–6.11)	4.16 (1.68–5.82)
		77.2	1.71	1.13	5.03	6.74	6.16
North Africa and Middle East	Male	(74.3–79.5) 79.7	(1.62–1.8) 0.206	(1.06–1.2) 0.0756	(2.31–7.1) 4.19	(4.03-8.89) 4.4	(3.44-8.28) 4.27
North Africa and Middle East	Female	(76.8–82) 77.2	(0.186–0.234) 1.71	(0.0679-0.0879) 1.13	(1.4-6.34) 5.03	(1.63–6.54) 6.74	(1.49–6.41) 6.16
North Africa and Middle East	Male	(74.3-79.5)	(1.62–1.8)	(1.06-1.2)	(2.31-7.1)	(4.03-8.89)	(3.44-8.28)
North Africa and Middle East	Female	79.7 (76.8–82)	0.206 (0.186-0.234)	0.0756 (0.0679–0.0879)	4.19 (1.4–6.34)	4.4 (1.63–6.54)	4.27 (1.49–6.41)
Afghanistan	Male	72.5 (68.2–76.7)	1.4 (1.2–1.58)	1 (0.87–1.12)	9.78 (5.73–13.5)	11.2 (7.15–14.9)	10.8 (6.73–14.5)
Afghanistan	Female	72 (67.5–76.3)	0.242 (0.196-0.306)	0.0957 (0.0748-0.125)	8.82 (4.63–12.6)	9.07 (4.88–12.8)	8.92 (4.73–12.7)
Algeria	Male	81.4 (78.6–83.8)	1.44 (1.26–1.62)	1.08 (0.948–1.23)	4.5 (2–6.48)	(4.86–12.8) 5.94 (3.35–7.97)	5.58 (2.99–7.63)
		81.6	0.0908	0.034	3.79	3.89	3.83
Algeria	Female	(79.3–83.5) 78.9	(0.0779-0.105) 1.55	(0.0281-0.04) 1.17	(1.68–5.59) 3.54	(1.78–5.68) 5.09	(1.72–5.63) 4.72
Bahrain	Male	(76.9-80.5) 80.1	(1.36–1.79) 0.334	(1.02–1.37) 0.122	(1.92–4.83) 3.24	(3.3–6.58) 3.57	(2.96–6.16) 3.36
Bahrain	Female	(77.9-81.9)	(0.302-0.374)	(0.109-0.14)	(1.29-4.62)	(1.61-4.97)	(1.4-4.75)
Egypt	Male	73.8 (70.2–76.9)	2.9 (2.71–3.06)	2.1 (1.96–2.23)	4.06 (1.01-6.41)	6.96 (3.89–9.35)	6.16 (3.1-8.52)
Egypt	Female	75.5 (73–77.7)	0.066 (0.0584-0.0732)	0.031 (0.0275-0.0323)	4.12 (1.79–5.85)	4.18 (1.86–5.91)	4.15 (1.82–5.88)
Iran (Islamic Republic of)	Male	82.1 (79.1–84.1)	1.41 (1.31–1.51)	0.863 (0.802–0.921)	4.72 (1.82–6.86)	6.13 (3.19–8.35)	5.59 (2.66–7.77)
		84.5	0.19	0.0596	4.07	4.26	4.13
Iran (Islamic Republic of)	Female	(82-86.4) 74.9	(0.175–0.21) 1.86	(0.0544–0.067) 1.35	(1.59–5.94) 5.87	(1.8–6.12) 7.72	(1.66–6) 7.22
Iraq	Male	(70.8–78.9) 80.7	(1.59–2.13) 0.34	(1.14–1.56) 0.207	(1.56–9.67) 5.96	(3.15–11.6) 6.3	(2.7–11.1) 6.17
Iraq	Female	(76.7–84) 84.3	(0.286-0.393) 2.17	(0.17-0.243) 1.47	(2.24–8.95) 5.4	(2.58-9.27)	(2.45-9.14) 6.87
Jordan	Male	(81.3-86.6)	(1.95-2.45)	(1.31-1.65)	(3.29-7.24)	7.58 (5.3–9.5)	(4.67-8.77)
Jordan	Female	84.9 (82.3–87)	0.393 (0.353–0.435)	0.189 (0.164-0.221)	4.92 (3.01-6.57)	5.31 (3.4–6.97)	5.11 (3.19-6.78)
Kuwait	Male	82.8 (80.3–84.9)	1.25 (1.13–1.38)	0.711 (0.645-0.793)	2.61 (0.599–4.1)	3.86 (1.77–5.4)	3.32 (1.26-4.84)
		89.4	0.167	0.0528	2.4	2.57	2.45
Kuwait	Female	(87.1–91.1) 79.9	(0.145–0.194) 2.39	(0.0391–0.0673) 1.68	(0.571–3.81) 4.2	(0.736–3.99) 6.6	(0.619–3.87) 5.89
Lebanon	Male	(77.6-81.8)	(2.16-2.68) 1.2	(1.52–1.88) 0.682	(2.19-6.23) 3.55	(4.44–8.64) 4.75	(3.77–7.93) 4.23
		84.5					

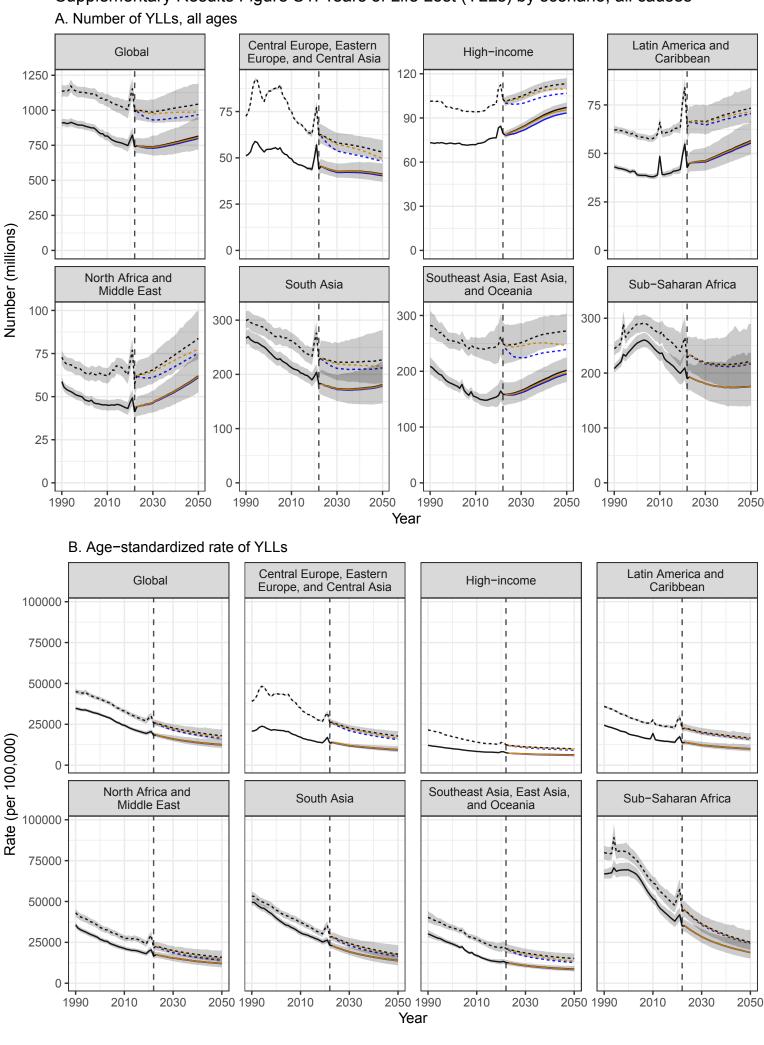
Supplementary Results Table S3. Life expectancy	at birth by loca	tion, sex, and scenario					
	_		2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference		Reference	Elimination - 2023	Elimination - 2050
Libya	Male	74.1 (69.8–77.9)	2.3 (2.01–2.63)	1.52 (1.33–1.72)	4.36 (0.365–7.98)	6.66 (2.48–10.4)	5.88 (1.78–9.56)
Libya	Female	77.8 (73.5–81.6)	0.0653 (0.0564–0.0745)	0.0164 (0.0144-0.0184)	3.83 (0.352–6.62)	3.89 (0.419–6.68)	3.84 (0.368–6.64)
Morocco	Male	77.6 (73.9–81.1)	0.987 (0.851–1.13)	0.496 (0.42–0.588)	5.51 (2.07-8.37)	6.49 (3.08–9.31)	6 (2.6–8.84)
Morocco	Female	79.6 (75.5–83.3)	0.0708 (0.0545-0.0915)	0.0113 (0.00921-0.0144)	5.09 (1.26-8.15)	5.16 (1.36-8.2)	5.1 (1.28-8.16)
Oman	Male	77.8 (74.6–80.5)	0.568 (0.518–0.617)	0.304 (0.281-0.331)	3.17 (0.408–5.21)	3.74 (0.97–5.79)	3.47 (0.702–5.53)
Oman	Female	83.1 (79.2–86.5)	0.104 (0.0936-0.115)	0.0425 (0.0387-0.0468)	3.32 (-0.145-6.07)	3.43 (-0.03446.17)	3.36 (-0.102-6.12)
Palestine	Male	77.2 (72.7–79.7)	1.65 (1.45–1.82)	1.06 (0.936–1.17)	5.02 (0.538-9.64)	6.67 (1.96–11.3)	6.08 (1.45–10.7)
Palestine	Female	80.6 (77.7–82.7)	0.187 (0.172-0.202)	0.0542 (0.0473-0.0641)	4.1 (1.15-6.66)	4.28 (1.33-6.85)	4.15 (1.2-6.72)
Qatar	Male	81.1 (78.9–83.3)	0.782 (0.683–0.905)	0.389 (0.337-0.447)	3.26 (1.54-4.69)	4.04 (2.27–5.53)	3.65 (1.9-5.11)
Qatar	Female	81.5 (79.3–83.5)	0.0472 (0.0425-0.0533)	0.012 (0.00843-0.0165)	1.42 (-0.287–2.83)	1.47 (-0.241–2.88)	1.44 (-0.278–2.85)
Saudi Arabia	Male	75.5 (71.7–78.5)	1.18 (1.03–1.37)	0.678 (0.57-0.814)	2.49 (-0.82-4.88)	3.67 (0.476–5.97)	3.17 (-0.0102–5.48)
Saudi Arabia	Female	78.7 (74.9–81.6)	0.142 (0.119-0.177)	0.05 (0.0397–0.0647)	2.84 (-0.0445-5.13)	2.98 (0.113-5.27)	2.89 (0.0124–5.18)
Sudan	Male	74.3 (66.4–79.4)	1.21 (0.701–1.45)	0.699 (0.382-0.829)	5.84 (-1.38–10.1)	7.05	6.54
		76.7	0.152	0.0249	5.42	(-0.585–11.3) 5.57	(-0.926-10.8) 5.44
Sudan	Female	(67.8–82.5) 72	(0.089–0.193) 1.49	(0.0132–0.031) 0.846	(-2.91–10.4) 4.05	(-2.79–10.5) 5.54	(-2.89–10.4) 4.89
Syrian Arab Republic	Male	(62.4–79.6) 76.8	(0.957–1.96) 0.207	(0.552–1.13) 0.0364	(-9–17.4) 3.25	(-7.74–19.1) 3.45	(-8.28–18.3) 3.28
Syrian Arab Republic	Female	(70.8–81.5) 79.5	(0.146-0.283) 1.87	(0.0253-0.0519) 1.27	(-3.71–10.2) 5.49	(-3.53–10.4) 7.37	(-3.68–10.3) 6.76
Tunisia	Male	(76.1-82.7) 84.2	(1.6–2.15) 0.136	(1.09–1.45) 0.0334	(3.41–7.36) 4.94	(5.19–9.28) 5.07	(4.64–8.7) 4.97
Tunisia	Female	(81-87.2) 79.6	(0.117–0.157) 1.76	(0.029-0.0391) 0.948	(2.57–7) 4.61	(2.72–7.13) 6.37	(2.61-7.03) 5.55
Turkey	Male	(77.6–81.7) 83.5	(1.56–1.99) 0.285	(0.841-1.05) 0.0774	(3.43–5.56) 3.39	(5.06–7.44) 3.68	(4.29–6.58) 3.47
Turkey	Female	(81.5–85.3) 81.8	(0.255–0.32) 0.963	(0.067–0.0899) 0.648	(1.94–4.52) 2.83	(2.24-4.82) 3.79	(2.02–4.6) 3.47
United Arab Emirates	Male	(79.6–84) 73.6	(0.881–1.05) 0.122	(0.584–0.715) 0.0126	(1.04–4.17) 1.72	(1.91–5.19) 1.84	(1.61–4.87) 1.73
United Arab Emirates	Female	(72.3-74.8)	(0.111-0.136)	(0.0109-0.0148)	(0.533-2.55)	(0.667-2.68)	(0.547-2.57)
Yemen	Male	72.9 (67.6–77.5)	1.99 (1.67–2.26)	1.41 (1.19–1.6)	6.52 (2.1–11.1)	8.51 (4.21–13)	7.93 (3.6–12.4)
Yemen	Female	77 (71.7–82)	0.648 (0.511–0.826)	0.273 (0.217-0.361)	6.79 (1.9–11.3)	7.44 (2.65–11.9)	7.06 (2.22–11.6)
South Asia	Male	76.4 (72.5–79.5)	1.23 (1.13–1.32)	0.797 (0.736-0.851)	6.93 (3.56–9.76)	8.15 (4.83–11)	7.72 (4.37–10.6)
South Asia	Female	79.5 (75.7–82.8)	0.301 (0.26-0.345)	0.157 (0.135–0.18)	6.74 (3.2–9.69)	7.05 (3.52–9.99)	6.9 (3.35–9.86)
South Asia	Male	76.4 (72.5–79.5)	1.23 (1.13–1.32)	0.797 (0.736-0.851)	6.93 (3.56–9.76)	8.15 (4.83–11)	7.72 (4.37–10.6)
South Asia	Female	79.5 (75.7–82.8)	0.301 (0.26-0.345)	0.157 (0.135–0.18)	6.74 (3.2–9.69)	7.05 (3.52–9.99)	6.9 (3.35–9.86)
Bangladesh	Male	79.3 (74.9–82.4)	1.96 (1.71–2.23)	1.43 (1.26–1.64)	6.25 (2.89–9.19)	8.21 (4.92–11.1)	7.69 (4.38–10.6)
Bangladesh	Female	81.7 (77.4–84.8)	0.235 (0.196-0.285)	0.116 (0.0952-0.14)	6.1 (2.7–8.99)	6.33 (2.97–9.22)	6.21 (2.84–9.11)
Bhutan	Male	78.5 (74.4–81.7)	1.07 (0.909–1.23)	0.784 (0.653-0.92)	7.03 (3.56–10.1)	8.09 (4.62–11.2)	7.81 (4.3–10.9)
Bhutan	Female	80.9 (77–84)	0.257 (0.21–0.335)	0.0699 (0.0576-0.0926)	6.76 (3.48–9.55)	7.02 (3.74–9.79)	6.83 (3.55–9.63)
India	Male	76.3 (72.3–79.6)	1.14 (1.05–1.25)	0.72 (0.658–0.783)	6.78 (3.33–9.42)	7.93 (4.52–10.6)	7.5 (4.06–10.2)
India		79.9 (76.2–83.4)	0.314	0.171	6.65	6.97	6.82 (3.24–9.88)
Nepal	Female Male	(76.2–83.4) 77.2 (73.1–80.4)	(0.263–0.36) 1.25 (1.11–1.38)	(0.143-0.198) 0.866 (0.768-0.96)	(3.07–9.7) 7.08 (3.8–9.74)	(3.4–10) 8.33 (5.1–11)	(3.24-9.88) 7.94 (4.66-10.6)
		80.7	0.513	0.276	7.24	7.75	7.52
Nepal	Female	(76.9–83.9) 75.3	(0.42–0.609) 1.27 (1.1–1.42)	(0.226-0.327) 0.869 (0.754, 0.060)	(3.98–9.91) 8.01 (4.22, 10.0)	(4.56–10.4) 9.28	(4.27–10.2) 8.87 (5.04–11–7)
Pakistan	Male	(70.6–79.6) 75.9	(1.1–1.43) 0.197	(0.754–0.969) 0.047	(4.23–10.9) 7.45	(5.46–12.1) 7.65	(5.04–11.7) 7.5
Pakistan	Female	(71.3–79.5) 77.2	(0.162-0.242) 2.35	(0.0357–0.0637) 1.57	(3.66–10.3) 3.82	(3.87–10.5) 6.16	(3.71–10.4) 5.39
Southeast Asia, East Asia, and Oceania	Male	(75–78.9) 82.9	(2.19–2.5) 0.61	(1.46–1.68) 0.383	(2.39–4.94) 3.7	(4.62–7.38) 4.31	(3.88–6.57) 4.08
Southeast Asia, East Asia, and Oceania	Female	(80.9-84.7) 78.7	(0.559–0.671) 2.56	(0.34–0.437) 1.75	(1.9–5.07) 3.53	(2.48–5.69) 6.08	(2.25-5.46) 5.28
East Asia	Male	(76.3–80.8) 84.7	(2.34–2.79) 0.741	(1.61–1.91) 0.492	(2.32–4.38) 3.63	(4.75–7.09) 4.37	(3.97–6.24) 4.12
East Asia	Female	(82.5-86.7) 78.8	(0.673–0.822) 2.57	(0.435-0.561) 1.76	(2.06–4.83) 3.54	(2.75–5.63) 6.1	(2.51–5.38) 5.3
China	Male	(76.3–80.9) 84.7	(2.34–2.8) 0.756	(1.61–1.93) 0.506	(2.36–4.37) 3.67	(4.78–7.11) 4.42	(4.01–6.25) 4.17
China	Female	(82.5–86.8) 74.8	(0.685-0.842) 2.61	(0.447–0.577) 1.66	(2.1-4.87) 4.51	(2.81–5.69) 7.12	(2.57–5.44) 6.16
Democratic People's Republic of Korea	Male	(71.1–77.7) 79.6	2.61 (2.35–2.87) 0.542	(1.48–1.83) 0.207	4.51 (1.76–6.68) 3.35	7.12 (4.4–9.36) 3.89	(3.44–8.39) 3.56
Democratic People's Republic of Korea	Female	(75.6-82.6)	(0.458-0.636)	(0.178-0.24)	(0.564-5.52)	(1.13-6.06)	(0.782-5.73)
Taiwan (Province of China)	Male	80.4 (79.6–81.2)	1.69 (1.59–1.78)	1.03 (0.973–1.09)	2.38 (1.82–3.04)	4.07 (3.43–4.76)	3.42 (2.81–4.09)
Taiwan (Province of China)	Female	86.5 (85.7–87.2)	0.072 (0.0656–0.0796)	0.00691 (0.00627-0.00768)	1.89 (1.24–2.55)	1.96 (1.31–2.62)	1.9 (1.25–2.56)
Oceania	Male	71.5 (67.1–74.9)	1.46 (1.27–1.66)	0.738 (0.63–0.867)	6.66 (2.6–9.91)	8.13 (4.17–11.4)	7.4 (3.4–10.7)
Oceania	Female	74 (69.3–77.7)	0.733 (0.61–0.876)	0.307 (0.247-0.385)	6.12 (1.71–10.2)	6.86 (2.6–10.8)	6.43 (2.1–10.5)
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Supplementary Results Table S3. Life expectancy	y at birth by loca	ation, sex, and scenario					
			2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference		Reference	Elimination - 2023	Elimination - 2050
American Samoa	Male	72.4 (69.4–74.7)	1.73 (1.6–1.88)	1.06 (0.96–1.18)	3 (0.768–4.77)	4.73 (2.51–6.49)	4.06 (1.89–5.8)
American Samoa	Female	75.1 (71.8–77.8)	0.633 (0.55–0.735)	0.296 (0.246-0.361)	2.21 (-0.255-4.25)	2.85 (0.398–4.88)	2.51 (0.0611–4.53)
Cook Islands	Male	75.6 (73.1–77.8)	1.34 (1.21–1.46)	0.709 (0.631–0.792)	2.49 (0.496–3.95)	3.84 (1.85-5.34)	3.2 (1.23-4.71)
Cook Islands	Female	83 (80.5–85.3)	0.242 (0.205-0.289)	0.0599 (0.0475-0.0778)	3.12 (1.11–4.63)	3.36 (1.38–4.87)	3.17 (1.18–4.69)
Fiji	Male	70.9 (66.9–74.6)	1.5 (1.3–1.71)	0.957 (0.801-1.13)	4.87 (2.11–7.21)	6.38 (3.69–8.66)	5.83 (3.14–8.11)
Fiji	Female	75.4 (71.1–78.9)	0.428 (0.355-0.512)	0.217 (0.171-0.275)	4.97 (1.72–7.52)	5.39 (2.2-7.92)	5.18 (1.97–7.71)
Guam	Male	80.6 (77.8–83)	1.66 (1.53–1.77)	0.898 (0.818-0.986)	6.47 (3.66–9)	8.13 (5.37–10.7)	7.37 (4.6–9.88)
Guam	Female	89.7 (86.7–92.2)	0.756 (0.669–0.869)	0.315 (0.27-0.377)	6.15 (3.34–8.65)	6.91 (4.2–9.39)	6.47 (3.72–8.94)
Kiribati	Male	67 (62.6–70.9)	3.32 (2.96–3.85)	2.39 (2.11–2.75)	5.72 (2.36-8.38)	9.04 (5.83-11.6)	8.11 (4.9–10.7)
Kiribati	Female	72.2 (67.9–76.1)	1.38 (1.18–1.61)	0.945 (0.79-1.13)	5.1 (1.57-8.13)	6.49 (3.05-9.39)	6.05 (2.62-8.95)
Marshall Islands	Male	67.6 (62.6-71.9)	2.31 (1.99–2.66)	1.51 (1.3–1.76)	4.01 (0.301–6.91)	6.32 (2.76–9.07)	5.51 (1.95-8.28)
Marshall Islands	Female	70.4 (65.2–74.8)	0.693 (0.55-0.825)	0.333 (0.255-0.417)	3.45 (-0.601-6.83)	4.15 (0.121–7.43)	3.79 (-0.24-7.11)
Micronesia (Federated States of)	Male	67.6 (63.2–71.4)	2.75 (2.43–3.07)	1.83 (1.59–2.1)	2.9 (-0.0819-5.29)	5.65 (2.79–8.02)	4.73 (1.86–7.06)
Micronesia (Federated States of)	Female	72.3 (68.2–76)	1.15 (0.968–1.39)	0.705 (0.565-0.881)	2.49 (-0.64-5.16)	3.65 (0.668–6.17)	3.2 (0.194–5.75)
Nauru	Male	63.1 (57.4–67.9)	2.5 (2.28–2.84)	1.74 (1.58–1.98)	3.74 (-0.567–7.12)	6.24 (2.13–9.57)	5.48 (1.37–8.8)
Nauru	Female	70.3 (64.8–74.8)	1.24 (0.981–1.59)	0.714 (0.529–0.964)	4.44 (-0.31-7.66)	5.68 (1.25–8.81)	5.15 (0.649–8.34)
Niue	Male	69.8 (66.8–72.3)	1.69 (1.51–1.87)	1.16 (1.04–1.29)	4.16 (1.43–6.38)	5.84 (3.06–8.14)	5.32 (2.54–7.59)
Niue	Female	74 (70.6–76.9)	0.52 (0.419-0.615)	0.198 (0.154-0.249)	3.91 (0.885–6.39)	4.43 (1.42–6.87)	4.1 (1.11–6.55)
		73.3	1.7	0.946	2.18	3.89	3.13
Northern Mariana Islands	Male	(71.1–75.2) 78.6	(1.59–1.8) 0.432	(0.876–1.01) 0.148 (0.127, 0.172)	(0.0927–3.72) 2.34	(1.78–5.48) 2.78	(1.05-4.68) 2.49 (0.250-4.14)
Northern Mariana Islands	Female	(76.1–80.7) 71.3	(0.385-0.48) 2.27	(0.127–0.172) 1.55	(0.19–4.01) 3.51	(0.655–4.43) 5.78	(0.359-4.14) 5.06
Palau	Male	(67.4–74.3) 72.7	(2.06–2.47) 0.567	(1.43–1.67) 0.234	(0.717–5.67) 2.24	(3.06–7.97) 2.8	(2.31–7.25) 2.47
Palau	Female	(69.2–75.2) 71.8	(0.518-0.62) 1.31	(0.209–0.261) 0.571	(-0.249–4) 6.96	(0.361–4.58) 8.27	(0.011-4.24) 7.53
Papua New Guinea	Male	(67.1–75.5) 73.7	(1.11–1.52) 0.737	(0.471-0.701) 0.288	(2.76–10.8) 6.61	(4.15–12) 7.35	(3.42–11.3) 6.9
Papua New Guinea	Female	(68.8–77.6) 72.8	(0.607–0.883) 2.14	(0.226–0.368) 1.29	(2.24–10.8) 4	(3.14–11.5) 6.14	(2.62–11.1) 5.29
Samoa	Male	(69.3–75.8) 73.9	(1.9–2.4) 0.747	(1.13–1.47) 0.263	(1.05-6.61) 2.92	(3.33–8.59) 3.67	(2.47–7.79) 3.19
Samoa	Female	(70.1–77.3) 67.4	(0.606–0.913) 2.74	(0.199–0.337) 2.15	(-0.124–5.7) 3.74	(0.768–6.31) 6.48	(0.203-5.88) 5.89
Solomon Islands	Male	(62.6–71.4) 71.6	(2.45–2.99) 1.01	(1.91–2.36) 0.657	(0.36–6.9) 3.3	(3.03–9.46) 4.31	(2.41–8.9) 3.96
Solomon Islands	Female	(66.5–75.9) 73.2	(0.825-1.2) 1.71	(0.529-0.796) 0.973	(-1.19–6.84) 4.98	(0.0569–7.73) 6.69	(-0.362–7.41) 5.95
Tokelau	Male	(69.9–76) 74.6	(1.5–1.95) 0.644	(0.832–1.15) 0.277	(1.97–7.08) 5.48	(3.72–8.76) 6.12	(2.99–8) 5.76
Tokelau	Female	(70.5–78) 74.2	(0.54–0.752) 2.3	(0.225-0.34) 1.63	(1.85-8.01) 3.52	(2.5-8.62) 5.82	(2.15-8.26) 5.15
Tonga	Male	(71–77) 79	(2.15-2.45) 0.513	(1.53–1.73) 0.176	(1.33–5.32) 3.22	(3.59–7.7) 3.73	(2.93–7.01) 3.39
Tonga	Female	(75.6-81.9) 69.8	(0.461-0.569) 2.61	(0.155–0.2) 1.78	(0.849–5.06) 3.83	(1.36–5.58) 6.44	(1.02–5.24) 5.61
Tuvalu	Male	(65.4–73.2) 74.5	(2.31–2.91) 1.04	(1.54–2.02) 0.6	(0.671–6.37) 3.68	(3.46-8.85) 4.72	(2.6-8.02) 4.28
Tuvalu	Female	(70.4–78) 69.5	(0.862–1.23) 1.65	(0.48-0.748) 1.01	(0.541–6.2) 7.27	(1.72–7.14) 8.92	(1.26–6.74) 8.28
Vanuatu	Male	(65.7–73) 74.7	(1.42–1.85) 0.213	(0.867–1.15) 0.0571	(3.37–10.8) 5.79	(5.13–12.5) 6.01	(4.46–11.8) 5.85
Vanuatu	Female	(71.1–78) 75.2	(0.178-0.252) 1.89	(0.0475-0.0679) 1.18	(1.9–9.34) 5.16	(2.13–9.54) 7.06	(1.96–9.4) 6.34
Southeast Asia	Male	(73.1–77.1) 80.3	(1.8–2) 0.271	(1.12–1.25) 0.105	(3.31–6.82) 4.55	(5.14–8.74) 4.82	(4.44–8.02) 4.65
Southeast Asia	Female	(78.1–82.4) 72.9	(0.257–0.286) 2.4	(0.0996-0.112) 1.92	(2.65–6.17) 5.88	(2.91–6.44) 8.29	(2.75–6.28) 7.8
Cambodia	Male	(69.9–75.9) 77.5	(2.21–2.61) 0.404	(1.76–2.08) 0.177	(4.17–7.42) 5.24	(6.47–10) 5.65	(5.99–9.5) 5.42
Cambodia	Female	(74.4–80.6) 75.7	(0.372-0.442) 2.08	(0.163–0.195) 1.27	(3.2–6.93) 6.22	(3.62–7.35) 8.3	(3.39–7.11) 7.49
Indonesia	Male	(72.8–78.5) 78.9	(1.93–2.25) 0.252	(1.17–1.38) 0.0976	(4.19–7.99) 5.43	(6.21–10.1) 5.68	(5.45–9.31) 5.52
Indonesia	Female	(76.3–81.6) 74.2	(0.228–0.276) 2.77	(0.0867–0.113) 2.14	(3.51–7.18) 8.29	(3.75–7.44)	(3.6–7.29) 10.4
Lao People's Democratic Republic	Male	(70.8–77.2) 78.3	(2.51–3) 0.508	(1.94–2.31) 0.283	(6.2–10.1) 7.77	(8.92–13) 8.27	(8.28–12.3) 8.05
Lao People's Democratic Republic	Female	(74.6–81.1) 77.8	(0.451–0.58) 1.65	(0.252–0.322) 0.857	(5.49–9.83) 5.2	(5.99–10.4) 6.85	(5.77–10.1) 6.06
Malaysia	Male	(75.8–79.2) 80.3	1.65 (1.54–1.76) 0.139	0.857 (0.8–0.924) 0.0464	5.2 (3.33–6.62) 3.31	6.85 (4.86–8.33) 3.45	(4.12–7.52) 3.36
Malaysia	Female	80.5 (78.8–81.5) 84.4	(0.139 (0.131–0.15) 2.15	(0.0398–0.054) 1.74	5.51 (1.8-4.42) 4.64	(1.94-4.57) 6.8	(1.84–4.47) 6.38
Maldives	Male	84.4 (81.7–86.7) 87	2.15 (1.98–2.33) 0.401	1.74 (1.58–1.89) 0.159	4.64 (2.65–6.36) 4.7	6.8 (4.66–8.63) 5.1	6.38 (4.25–8.19) 4.86
Maldives	Female	(84.1-89.3)	(0.364-0.445)	(0.143-0.178)	(2.44-6.67)	(2.83-7.07)	(2.59-6.84)
Mauritius	Male	76.7 (74.8–78.1)	1.8 (1.69–1.92)	1.28 (1.2–1.36)	4.81 (3.07–6.31)	6.62 (4.79–8.19)	6.09 (4.29–7.64)
Mauritius	Female	82.1 (80.2-83.6)	0.177 (0.168–0.185)	0.0384 (0.0362–0.0407)	3.94 (2.11–5.29)	4.12 (2.29–5.47)	3.98 (2.15–5.33)

Supplementary Results Table S3. Life expectancy	y at birth by loca	tion, sex, and scenario					
	Ļ		2050	Difference between		Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference	Elimination-2050 and Reference	Reference	Elimination - 2023	Elimination - 2050
Myanmar	Male	71.5 (67.1–74.6)	1.51 (1.3–1.67)	0.981 (0.84–1.09)	5.32 (1.95–9.2)	6.83 (3.31–10.7)	6.3 (2.84–10.1)
Myanmar	Female	79 (74.8–81.8)	0.509 (0.428-0.565)	0.272 (0.233-0.303)	6.19 (2.88–9.07)	6.7 (3.4–9.56)	6.47 (3.17–9.33)
Philippines	Male	74.9 (72.2–77.9)	1.53 (1.45–1.62)	0.831 (0.782-0.882)	5.87 (4.23–7.21)	7.4 (5.75–8.7)	6.7 (5.05-8.02)
Philippines	Female	79.5 (77.1–81.7)	0.381 (0.362-0.403)	0.175 (0.166-0.188)	4.2 (2.63–5.52)	4.58 (3.01–5.91)	4.37 (2.8–5.7)
Seychelles	Male	75.9 (74.3–77.3)	1.76 (1.65–1.87)	1.28 (1.2–1.38)	4.54 (3.37–5.49)	6.3 (5.13–7.31)	5.82 (4.65–6.82)
Seychelles	Female	80.4 (78.7–81.8)	0.196 (0.184–0.21)	0.0397 (0.037-0.0423)	3.18 (1.8-4.25)	3.38 (2-4.45)	3.22 (1.84–4.29)
Sri Lanka	Male	78.8 (74.1–82.9)	1.09 (0.957-1.19)	0.668 (0.583-0.727)	3.89 (-0.0564-7.91)	4.98 (0.909–9.05)	4.56 (0.548-8.6)
Sri Lanka	Female	84.4 (80.5–87.8)	0.13 (0.113–0.152)	0.0429 (0.0362-0.0505)	3.53 (0.619–6.48)	3.66 (0.733-6.61)	3.57 (0.657–6.52)
Thailand	Male	78.7 (75.1–82.2)	1.83 (1.69–2)	1.17 (1.08–1.27)	5.01 (3.4–6.18)	6.84 (5.08–8.19)	6.18 (4.45–7.46)
Thailand	Female	84.8 (82.3–87.5)	0.209 (0.187–0.234)	0.0389 (0.0349–0.0437)	3.58 (2.04-4.8)	3.79 (2.21–5.04)	3.62 (2.07–4.84)
		75.1	2.09	1.24	6.04	8.14	7.28
Timor-Leste	Male	(71.1–78.3) 79	(1.85–2.3) 0.226	(1.09–1.37) 0.0712	(3.18-8.41) 6.87	(5.21–10.5) 7.1	(4.38–9.67) 6.95
Timor-Leste	Female	(75.2–81.9) 72.4	(0.203-0.248) 1.82	(0.0635–0.0786) 1.17	(4.04–9.13) 2.02	(4.26–9.35) 3.83	(4.11–9.2) 3.18
Viet Nam	Male	(69.8–74.7) 82.2	(1.63–1.98) 0.158	(1.04–1.29) 0.0417	(0.102–3.46) 3.39	(1.91–5.3) 3.55	(1.29–4.61) 3.43
Viet Nam	Female	(79.7–84.3) 71.8	(0.142-0.175) 0.553	(0.0375-0.0463) 0.314	(1.63–4.83) 9.56	(1.8-4.97) 10.1	(1.68–4.86) 9.88
Sub-Saharan Africa	Male	(68.1–74.4) 75.8	(0.513-0.585) 0.106	(0.291-0.338) 0.0488	(6.42–11.7) 9.19	(6.96–12.3) 9.3	(6.74–12.1) 9.24
Sub-Saharan Africa	Female	(72.1–78.2) 70.1	(0.0965-0.116) 0.742	(0.0437–0.0543) 0.473	(5.98–11.2) 8.76	(6.08–11.3) 9.51	(6.03–11.2) 9.24
Central Sub-Saharan Africa	Male	(65.8–73.4)	(0.666-0.819)	(0.418-0.53)	(5.22-11.5)	(5.98-12.3)	(5.72-12)
Central Sub-Saharan Africa	Female	74.4 (70.1–77.7)	0.0843 (0.0701–0.101)	0.0356 (0.0283-0.0432)	8.55 (5.5–10.9)	8.63 (5.58–11)	8.58 (5.54–11)
Angola	Male	70.8 (66.4–74.3)	1.08 (0.974–1.17)	0.771 (0.692–0.835)	8.58 (5.61–11)	9.66 (6.68–12.1)	9.35 (6.39–11.8)
Angola	Female	75.3 (70.7–78.8)	0.142 (0.122-0.165)	0.0599 (0.0482-0.0733)	8.76 (5.63–10.9)	8.9 (5.78–11.1)	8.82 (5.7–11)
Central African Republic	Male	61 (53.6–66.5)	0.68 (0.433-0.782)	0.461 (0.291-0.53)	11.7 (4.36–20)	12.4 (4.94–20.8)	12.2 (4.76–20.5)
Central African Republic	Female	67.9 (58.8–73.5)	0.0827 (0.0489-0.103)	0.0346 (0.0196-0.0445)	12 (3.12–20)	12 (3.17–20.1)	12 (3.14–20)
Congo	Male	70.1 (65.6–73.6)	1.15 (1.02–1.26)	0.822 (0.727–0.898)	6.55 (2.76–9.22)	7.7 (3.83–10.4)	7.38 (3.53–10.1)
		72.4	0.0788	0.0333	7.49	7.57	7.52
Congo	Female	(68–75.9) 70.3	(0.0636–0.0949) 0.6	(0.025-0.042) 0.349	(4.29–9.81) 8.44	(4.38–9.88) 9.04	(4.33–9.84) 8.79
Democratic Republic of the Congo	Male	(65.6–73.8) 74.6	(0.524–0.687) 0.0642	(0.298-0.412) 0.0279	(4.42–11.4) 8.04	(4.99–12) 8.11	(4.76–11.7) 8.07
Democratic Republic of the Congo	Female	(70–78.1) 70	(0.051–0.0827) 0.887	(0.0214-0.0357) 0.52	(4.6–11) 7.25	(4.66–11) 8.14	(4.63–11) 7.77
Equatorial Guinea	Male	(64.8–74) 75.1	(0.731-1.01) 0.069	(0.428-0.608) 0.0208	(2.93–10.7) 8.72	(3.78–11.7) 8.79	(3.43–11.3) 8.74
Equatorial Guinea	Female	(69.7–79.9) 69.8	(0.0558-0.081) 0.854	(0.0159-0.0258) 0.499	(4.69–12) 5.94	(4.74–12.1) 6.8	(4.71–12.1) 6.44
Gabon	Male	(65.9–72.9) 76.1	(0.759–0.971) 0.0825	(0.444–0.569) 0.0169	(3.3–8.1) 6.49	(4.12–9.03) 6.57	(3.79–8.66) 6.51
Gabon	Female	(72.4–79.7)	(0.0692-0.0964)	(0.0133-0.021)	(4.32-8.2)	(4.41-8.28)	(4.34-8.21)
Eastern Sub-Saharan Africa	Male	72.5 (69.4–74.8)	0.596 (0.557–0.638)	0.374 (0.348–0.403)	9.76 (6.85–11.8)	10.4 (7.45–12.4)	10.1 (7.23–12.2)
Eastern Sub-Saharan Africa	Female	76.6 (73.3–78.8)	0.14 (0.125-0.155)	0.0822 (0.0732-0.0919)	9.3 (6.62–11.2)	9.44 (6.76–11.4)	9.38 (6.7–11.3)
Burundi	Male	71.4 (67.2–75)	0.587 (0.519–0.649)	0.375 (0.327-0.424)	11.8 (7.82–17.3)	12.4 (8.42–17.8)	12.2 (8.21–17.6)
Burundi	Female	75.6 (71.5-78.9)	0.0813 (0.0685-0.0951)	0.0249 (0.019-0.0319)	11 (7.43–15.1)	11.1 (7.51–15.2)	11.1 (7.45–15.1)
Comoros	Male	73.8 (70–76.7)	0.837 (0.775–0.896)	0.583 (0.54-0.625)	6.2 (3.33-8.16)	7.04 (4.16–9.03)	6.79 (3.9–8.77)
Comoros	Female	76 (72.4–78.8)	0.107 (0.0949–0.119)	0.0339 (0.0302-0.0381)	6.23 (3.48–8.24)	6.33 (3.59–8.35)	6.26 (3.52–8.27)
Djibouti	Male	72.7 (68.4–76.2)	1.46 (1.32–1.62)	1.01 (0.916–1.12)	6.57 (4.02–8.54)	8.03 (5.45–10)	7.58 (5.01–9.56)
Djibouti	Female	77.2 (72.9–80.6)	0.207 (0.183–0.231)	0.0857 (0.0751–0.0964)	7.4 (5.07–9.33)	7.61 (5.28–9.54)	(5.16–9.42)
		69.3	0.524	0.277	8.83	9.36	9.11
Eritrea	Male	(64.5–72.6) 74.4	(0.428-0.619) 0.015	(0.218-0.345) 0.00388	(5.44–11.4) 8.35	(5.98–12) 8.37	(5.74–11.7) 8.36
Eritrea	Female	(70.4–77.8) 75.8	(0.0128-0.0172) 0.373	(0.00321-0.00458) 0.214	(5.63–10.5) 9.12	(5.65–10.5) 9.49	(5.64–10.5) 9.33
Ethiopia	Male	(72.2–78.4) 78.9	(0.338-0.408) 0.0188	(0.193-0.236) 0.00688	(6.6–11.1) 8.52	(6.98–11.5) 8.54	(6.82–11.3) 8.53
Ethiopia	Female	(75.8–81.4) 73.6	(0.0155-0.022) 0.467	(0.00529-0.00856) 0.22	(6.21–10.3) 8.2	(6.23–10.3) 8.67	(6.22–10.3) 8.42
Kenya	Male	(70.7–76.4) 77.8	(0.391–0.527) 0.0722	(0.183-0.25) 0.0224	(5.77–10) 7.19	(6.28–10.5) 7.27	(6.01–10.2) 7.22
Kenya	Female	(75.1–80.2) 72	(0.0583–0.106) 0.5	(0.0183–0.0319) 0.205	(5.11–8.93) 11.3	(5.17–9) 11.8	(5.13-8.95) 11.5
Madagascar	Male	(67.9–75.5)	(0.424-0.571)	(0.171-0.238)	(7.9–15.2)	(8.44-15.7)	(8.13-15.4)
Madagascar	Female	73.9 (70–77.2)	0.0674 (0.0582–0.0763)	0.017 (0.0145-0.0196)	10.1 (6.92–13.2)	10.2 (6.99–13.2)	10.1 (6.93–13.2)
Malawi	Male	69.5 (65–72.8)	1.15 (1.04–1.25)	0.904 (0.817–0.985)	10.3 (6.64–13.2)	11.5 (7.75–14.4)	11.2 (7.51–14.1)
Malawi	Female	76.1 (71.9–79.9)	0.121 (0.101-0.143)	0.0703 (0.0565-0.084)	11.2 (8–14)	11.4 (8.13–14.1)	11.3 (8.08–14)
Mozambique	Male	68.7 (64.7–71.8)	0.798 (0.717–0.864)	0.55 (0.492-0.598)	11.8 (8.82–14.4)	12.6 (9.55–15.2)	12.3 (9.33–15)
Mozambique	Female	76 (71.6–80)	0.125 (0.104-0.142)	0.0288 (0.0226-0.0359)	12.9 (9.69–15.4)	13 (9.79–15.6)	12.9 (9.72–15.5)
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Supplementary Results Table S3. Life expecta	ncy at birth by loca	tion, sex, and scenario					
			2050			Change between 2022 and 2050	
Location	Sex	Reference	Difference between Elimination-2023 and Reference		Reference	Elimination - 2023	Elimination - 2050
Rwanda	Male	74.4 (70.8–77.2)	1.24 (1.1–1.35)	1.02 (0.908–1.11)	8.32 (6.1–10.3)	9.55 (7.23–11.6)	9.34 (7.04–11.3)
Rwanda	Female	78.1 (75-80.8)	0.644 (0.571–0.734)	0.501 (0.445-0.569)	7.94 (5.74–9.52)	8.58 (6.39–10.2)	8.44 (6.25–10)
Somalia	Male	63.2 (55.8–68.6)	0.815 (0.698–0.939)	0.558 (0.478–0.644)	8.2 (1.96–12.5)	9.01 (2.75–13.4)	8.76 (2.51–13.1)
Somalia	Female	69.1 (61.2–74.4)	0.118 (0.1–0.136)	0.0533 (0.0458-0.0628)	8.87 (1.77–13.2)	8.99 (1.88–13.3)	8.92 (1.83-13.2)
South Sudan	Male	66.9 (59.6-72.6)	0.645 (0.539-0.718)	0.386 (0.321-0.435)	11.7 (5.79–15.7)	12.3 (6.44–16.3)	12.1 (6.2–16)
South Sudan	Female	72 (63.5–77.6)	0.0935 (0.074-0.109)	0.037 (0.0299–0.0445)	11.8 (4.47–16.7)	11.8 (4.55–16.8)	11.8 (4.5–16.7)
Uganda	Male	72.9 (69.3–75.3)	0.357 (0.316-0.391)	0.149 (0.129–0.168)	10.6 (7.93–13.5)	11 (8.28–13.8)	10.8 (8.08–13.6)
Uganda	Female	78.5 (74.9–81)	0.148 (0.128-0.165)	0.0676 (0.0581-0.0759)	9.75 (7.63–12.4)	9.9 (7.77–12.6)	9.82 (7.7–12.5)
United Republic of Tanzania	Male	74.6 (71.4–77.3)	0.767 (0.687–0.854)	0.526 (0.462-0.601)	8.64 (6.31–10.5)	9.41 (7.2–11.2)	9.16 (6.94–11)
United Republic of Tanzania	Female	76.8 (73.8–79.3)	0.322 (0.288-0.359)	0.244 (0.217-0.273)	7.77 (5.67–9.52)	8.09 (6.03–9.84)	8.01 (5.94–9.76)
Zambia	Male	69.8 (66.1–73.4)	0.758 (0.699–0.833)	0.461 (0.42–0.511)	9.04 (6.66–11.4)	9.79 (7.42–12.1)	9.5 (7.13–11.8)
		75	0.237	0.135	9.73	9.97	9.87
Zambia	Female	(70.9–78.9) 68.9	(0.211-0.269) 1.08	(0.119–0.154) 0.649	(7.46–11.8) 9.04	(7.7–12.1) 10.1	(7.6–12) 9.69
Southern Sub-Saharan Africa	Male	(66.5–70.8) 75.1	(1.03–1.14) 0.274	(0.608–0.697) 0.0901	(7.05–10.5) 9	(8.11–11.6) 9.27	(7.69–11.2) 9.09
Southern Sub-Saharan Africa	Female	(72.9–76.9) 72.8	(0.261–0.286) 1.67	(0.0828–0.0967) 1.2	(7.28–10.4) 11.7	(7.55–10.7) 13.4	(7.37–10.5) 12.9
Botswana	Male	(69.9–75.1) 78.2	(1.49–1.84) 0.41	(1.07–1.32) 0.184	(9.43–14.2) 12.1	(11.1–15.8) 12.5	(10.6–15.4) 12.3
Botswana	Female	(75.4–80.5) 64.4	(0.377-0.444) 0.576	(0.167–0.2) 0.32	(9.86–14.5) 10.9	(10.3–14.9) 11.4	(10–14.7) 11.2
Eswatini	Male	(60.1–68.3) 73.1	(0.512-0.639) 0.238	(0.284-0.356) 0.165	(7.51–14.4) 13.3	(8.08–15) 13.5	(7.83–14.7) 13.4
Eswatini	Female	(68.2–78) 60.6	(0.198-0.278) 2.43	(0.136-0.193) 1.91	(10.6–17.6) 10.9	(10.8–17.8) 13.3	(10.7–17.8) 12.8
Lesotho	Male	(56.7–63.8) 70.1	(2.19–2.65) 0.365	(1.72–2.08) 0.333	(7.91–13.2) 13.6	(10.2–15.8) 14	(9.74–15.2) 14
Lesotho	Female	(65.9–73.7)	(0.297-0.431)	(0.268-0.4)	(10.8–15.9)	(11.2–16.3)	(11.1-16.2)
Namibia	Male	69.5 (65.6–72.8)	0.846 (0.741–0.934)	0.603 (0.522-0.671)	9.13 (6.62–11.3)	9.98 (7.41–12.1)	9.74 (7.17–11.9)
Namibia	Female	77.5 (73.4–81.2)	0.449 (0.406–0.498)	0.278 (0.25-0.309)	10.2 (8.11–12.1)	10.6 (8.54–12.5)	10.5 (8.37–12.4)
South Africa	Male	69.6 (67.7–71.2)	0.887 (0.843-0.94)	0.438 (0.413-0.464)	8.34 (6.61–9.63)	9.22 (7.51–10.5)	8.77 (7.06–10.1)
South Africa	Female	75.8 (74.3–77.1)	0.258 (0.244-0.271)	0.0461 (0.0427-0.0496)	7.99 (6.6–9.2)	8.25 (6.86–9.46)	8.03 (6.65–9.25)
Zimbabwe	Male	65.8 (61.8–69.2)	1.8 (1.64–1.94)	1.42 (1.3–1.53)	9.5 (6.13–12.2)	11.3 (7.87–14.1)	10.9 (7.52–13.7)
Zimbabwe	Female	71.3 (67.2–74.8)	0.334 (0.304-0.363)	0.249 (0.225-0.274)	10.2 (7.2–12.5)	10.5 (7.52–12.8)	10.4 (7.44–12.7)
Western Sub-Saharan Africa	Male	72.3 (68–75.6)	0.349 (0.287-0.384)	0.144 (0.119-0.162)	9.25 (5.15–11.9)	9.6 (5.52–12.2)	9.39 (5.3–12)
Western Sub-Saharan Africa	Female	75.7 (71–78.9)	0.0485 (0.0388-0.0565)	0.0155 (0.0124-0.0182)	9.15 (5-11.7)	9.2 (5.05-11.8)	9.16 (5.01–11.7)
Benin	Male	71.6 (62.1–75.7)	0.299 (0.159-0.345)	0.0662 (0.0325-0.0782)	8.28 (-0.327–12)	8.58 (-0.187–12.3)	8.34 (-0.292-12.1)
Benin	Female	76 (61.3–79.9)	0.0455 (0.0217–0.0566)	0.0121 (0.00585-0.0155)	7.73 (-6.46–11.8)	7.77 (-6.43–11.8)	7.74 (-6.45–11.8)
Burkina Faso	Male	69.4 (61–73.5)	0.288 (0.109-0.348)	0.107 (0.0313–0.14)	9.02 (0.275–13)	9.31 (0.546–13.3)	9.13 (0.381–13.1)
		74.2	0.0148	0.00249	9.09	9.1	9.09
Burkina Faso	Female	(60.7–78.8) 74.8	(0.00576-0.0189) 0.533	(0.00025-0.00342) 0.214	(-3.82–13.4) 5.16	(-3.81–13.4) 5.7	(-3.82–13.4) 5.38
Cabo Verde	Male	(72.4–77.2) 82.3	(0.484–0.589) 0.0943	(0.19-0.241) 0.0242	(3.79–6.29) 4.05	(4.32–6.85) 4.15	(4.01–6.51) 4.08
Cabo Verde	Female	(80.2–84.7) 70.8	(0.0821-0.108) 0.403	(0.0199–0.0289) 0.164	(2.75–5.09) 7.77	(2.84–5.2) 8.17	(2.77–5.12) 7.93
Cameroon	Male	(64.9–74.9) 75.3	(0.282-0.487) 0.0378	(0.111-0.21) 0.0146	(2.38–10.7) 8.27	(2.71–11) 8.31	(2.52–10.8) 8.29
Cameroon	Female	(70.2–79.2) 69.8	(0.03-0.0424) 0.433	(0.0099–0.0188) 0.184	(4.57–11.1) 10.7	(4.59–11.1) 11.1	(4.58–11.1) 10.8
Chad	Male	(64.8–74.2) 73.7	(0.371-0.482) 0.0684	(0.155-0.207) 0.0104	(7.09–13.6) 11.4	(7.52–14) 11.5	(7.27–13.8) 11.4
Chad	Female	(68.8–77.7) 72.6	(0.059–0.0773) 0.515	(0.00898-0.0117) 0.203	(7.38–14.5) 9.82	(7.45–14.5) 10.3	(7.39–14.5) 10
Côte d'Ivoire	Male	(66.8–76.8) 77.4	(0.269–0.634) 0.088	(0.102–0.252) 0.0194	(4.31–13) 9.57	(4.52–13.6) 9.66	(4.41–13.2) 9.59
Côte d'Ivoire	Female	(71.1–81.2) 72.2	(0.0489–0.11) 0.591	(0.0109-0.0261) 0.275	(4–12.8) 8.49	(4.06–12.9) 9.08	(4.02–12.9) 8.76
Gambia	Male	(68.4–75.4)	(0.519-0.664)	(0.235-0.317)	(5.66-10.7)	(6.32–11.3)	(5.98-11)
Gambia	Female	76.3 (73–79.4)	0.036 (0.0302–0.0425)	0.0143 (0.0114-0.0177)	8.43 (6.15–10.5)	8.47 (6.19–10.6)	8.45 (6.17–10.5)
Ghana	Male	70.1 (63.7–73.7)	0.517 (0.388–0.575)	0.356 (0.259–0.396)	5.83 (-0.704–8.87)	6.35 (-0.243-9.37)	6.19 (-0.386–9.22)
Ghana	Female	75.8 (70.5–79.4)	0.0887 (0.0656-0.1)	0.0282 (0.0207-0.0314)	6.38 (0.57–9.15)	6.47 (0.62–9.24)	6.41 (0.587–9.18)
Guinea	Male	71.5 (61.9–76.3)	0.773 (0.507–0.895)	0.371 (0.248–0.429)	10.2 (1.93–14.1)	11 (2.63–14.8)	10.6 (2.26–14.5)
Guinea	Female	73.7 (65–78.1)	0.0951 (0.0591–0.113)	0.0312 (0.0198-0.0375)	9.46 (1.15–13.6)	9.55 (1.2–13.7)	9.49 (1.16–13.6)
Guinea-Bissau	Male	67.5 (63.4–70.6)	0.647 (0.574–0.717)	0.434 (0.381-0.489)	11.6 (7.01–27.7)	12.2 (7.71–28.3)	12 (7.48–28.1)
Guinea-Bissau	Female	73 (69–76.1)	0.0791 (0.0679–0.0918)	0.0372 (0.031–0.0447)	11.4 (7.18–27.9)	11.4 (7.26–28)	11.4 (7.22–27.9)
Liberia	Male	72.4 (64.4–77.4)	0.442 (0.285–0.516)	0.228 (0.145-0.281)	7.7 (1.11–11.7)	8.14 (1.57–12.2)	7.93 (1.37–12)
Liberia	Female	74 (66.6–78.6)	0.0816 (0.0512-0.102)	0.0292 (0.0195-0.0387)	7.84 (1.25–11.6)	7.92	7.86 (1.27–11.6)
Lioena	remaie	(00.0-78.0)	(0.0312-0.102)	(0.0175-0.0387)	(1.2.3-11.0)	(1.31-11.7)	(1.27-11.0)

Location	Sex	2050			Change between 2022 and 2050		
		Reference	Difference between Elimination-2023 and Reference	Difference between Elimination-2050 and Reference	Reference	Elimination - 2023	Elimination - 2050
Mali	Male	72.6 (67.9–76.1)	0.795 (0.693–0.875)	0.517 (0.443–0.57)	10.5 (6.53–13.6)	11.3 (7.26–14.5)	11 (7–14.2)
Mali	Female	74 (69.4–77.8)	0.121 (0.0955-0.147)	0.0564 (0.0434-0.0718)	9.94 (6.18–13.1)	10.1 (6.29–13.2)	9.99 (6.23–13.1)
Mauritania	Male	75.8 (72–79.3)	0.424 (0.36-0.497)	0.141 (0.113-0.178)	6.13 (3.12–12.1)	6.55 (3.53–12.5)	6.27 (3.26–12.2)
Mauritania	Female	77 (73.6–80.1)	0.0751 (0.0589-0.0959)	0.0126 (0.00918-0.0174)	6.35 (3.62–10)	6.42 (3.71–10.1)	6.36 (3.63–10)
Niger	Male	70.4 (64.3–75.2)	0.269 (0.174-0.318)	0.0821 (0.0431-0.0982)	7.58 (0.245–11.3)	7.85 (0.426–11.6)	7.67 (0.305–11.4)
Niger	Female	71.7 (64.1–76.3)	0.0307 (0.021-0.0384)	0.00613 (0.00397-0.00808)	6.67 (-0.409-10.7)	6.7 (-0.384–10.7)	6.68 (-0.404–10.7)
Nigeria	Male	73.8 (67–78.1)	0.2 (0.126-0.238)	0.0373 (0.0246-0.0475)	9.76 (3.11–13.2)	9.96 (3.27–13.4)	9.8 (3.14–13.2)
Nigeria	Female	76.7 (70.4–80.7)	0.0284 (0.0185-0.0349)	0.00883 (0.00651-0.0111)	9.77 (3.75–12.8)	9.8 (3.76–12.8)	9.78 (3.75–12.8)
Sao Tome and Principe	Male	75.3 (73.1–77.1)	0.637	0.349	4.61 (2.93–6.2)	5.24 (3.54–6.85)	4.95 (3.27–6.56)
Sao Tome and Principe	Female	78 (75.5–80.2)	0.0961 (0.0805–0.114)	0.0509	4.36 (2.6–6.05)	4.45 (2.7–6.14)	4.41 (2.66–6.1)
Senegal	Male	75.2 (72–78.1)	0.362 (0.315-0.407)	0.121 (0.101-0.143)	7.64 (5.62–9.37)	8 (6–9.73)	7.76 (5.75–9.48)
Senegal	Female	78.5 (75.3–81.3)	0.0217 (0.018-0.0261)	0.00179 (0.00144-0.00224)	7.72 (5.71–9.41)	7.74 (5.73–9.43)	7.72 (5.71–9.41)
Sierra Leone	Male	72.6 (65.2–77.1)	0.531 (0.33–0.63)	0.258 (0.166-0.318)	10.7 (3.92–15.1)	11.3 (4.24–15.7)	11 (4.06–15.4)
Sierra Leone	Female	73.8 (64.2–78.5)	0.0877 (0.0455-0.117)	0.0169 (0.00935-0.0237)	9.84 (1.37–13.8)	9.93 (1.43–13.8)	9.86 (1.38–13.8)
Togo	Male	70.9 (64.9–75.2)	0.601 (0.348-0.678)	0.354 (0.201-0.402)	8.39 (1.93–11.4)	8.99 (2.23–12)	8.74 (2.09–11.8)
Togo	Female	76 (69–80.4)	0.123 (0.092-0.145)	0.0659	8.11 (2.25–11.1)	8.23 (2.38–11.2)	8.17 (2.32–11.1)



Supplementary Results Figure S1. Years of Life Lost (YLLs) by scenario, all causes

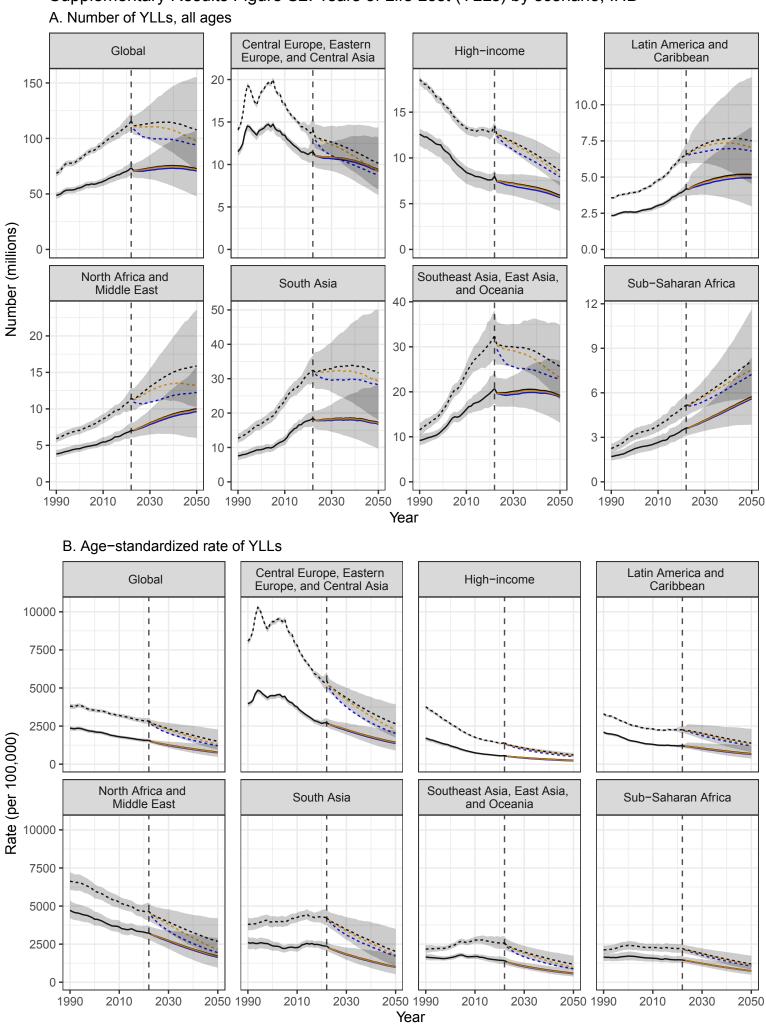
Past

Reference

Elimination - 2023

Elimination - 2050

Female ---- Male 27



Supplementary Results Figure S2. Years of Life Lost (YLLs) by scenario, IHD

Past

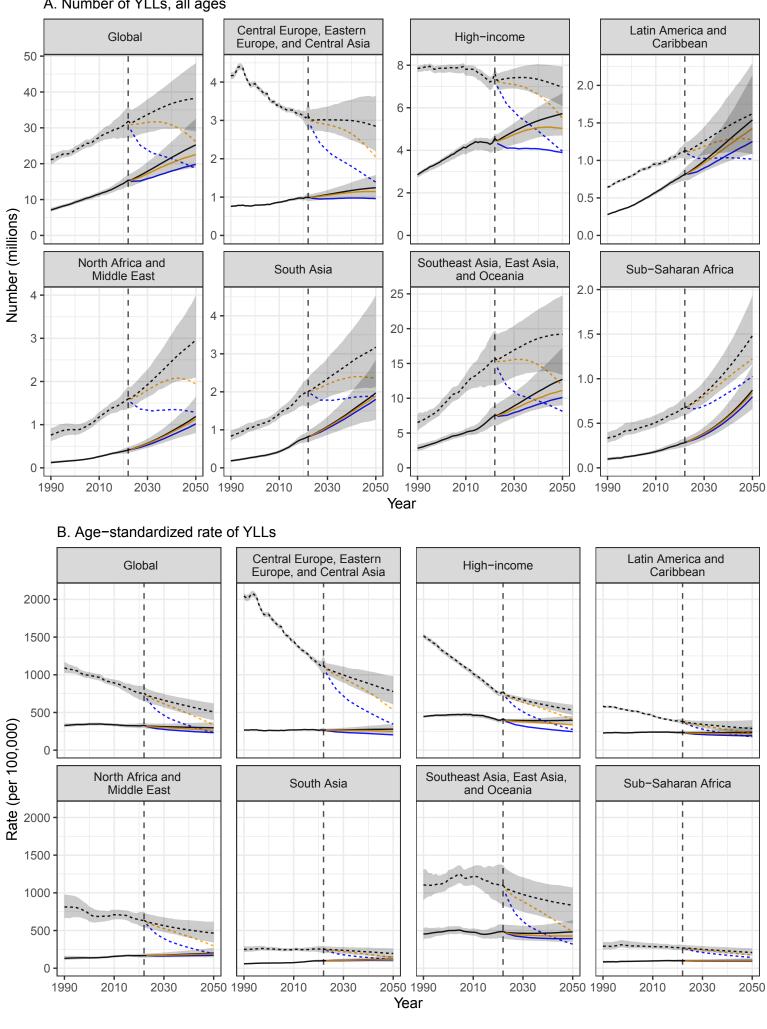
Reference

Elimination - 2023

Elimination - 2050

Female ---- Male

28



Elimination - 2023

Elimination - 2050

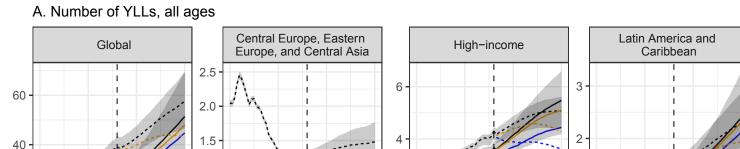
Reference

Past

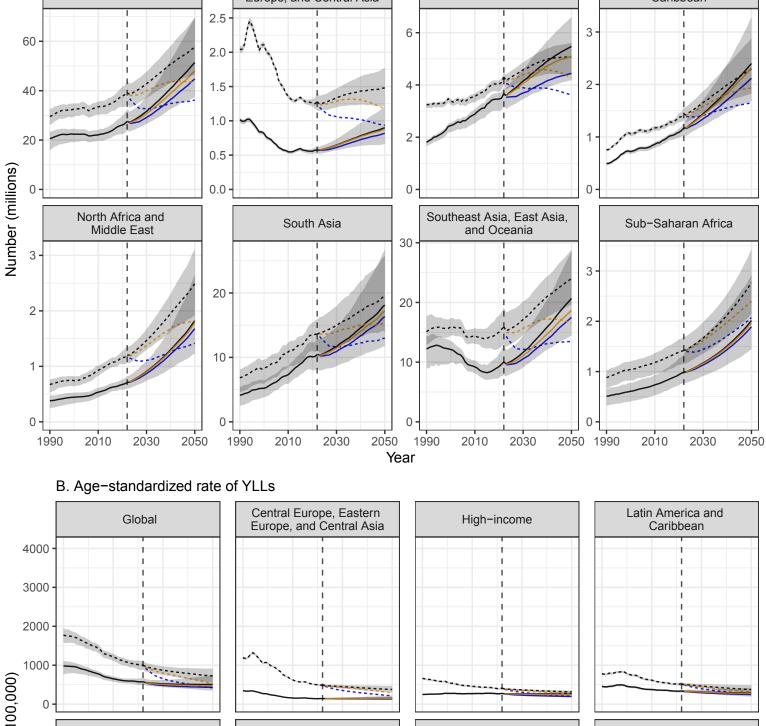
Supplementary Results Figure S3. Years of Life Lost (YLLs) by scenario, lung cancer A. Number of YLLs, all ages

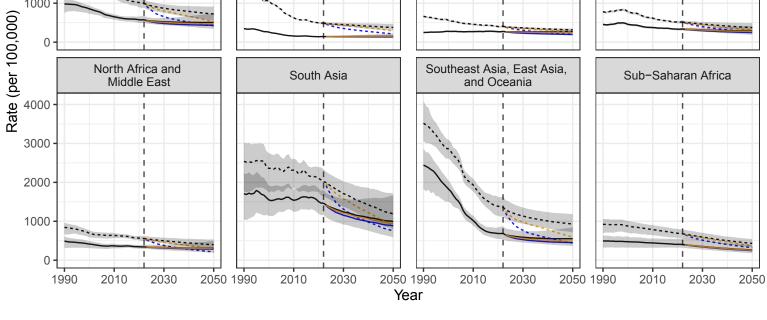
29

Female ---- Male



## Supplementary Results Figure S4. Years of Life Lost (YLLs) by scenario, COPD





Elimination - 2023

Reference

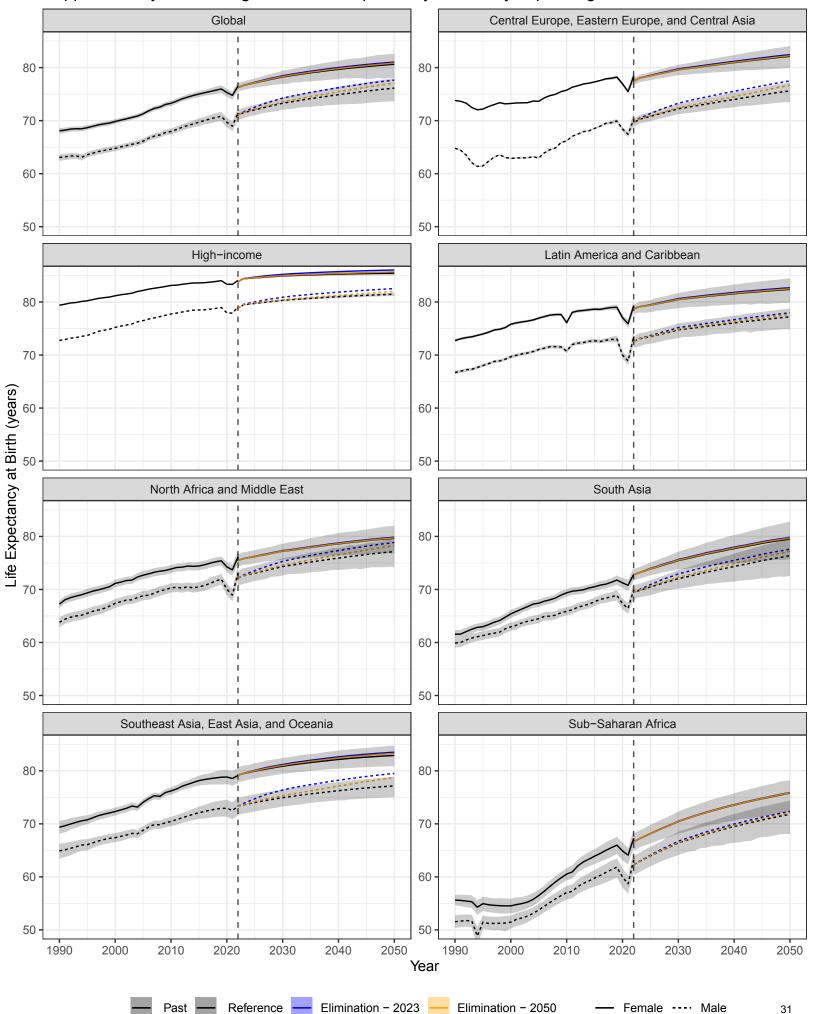
Past

Elimination - 2050

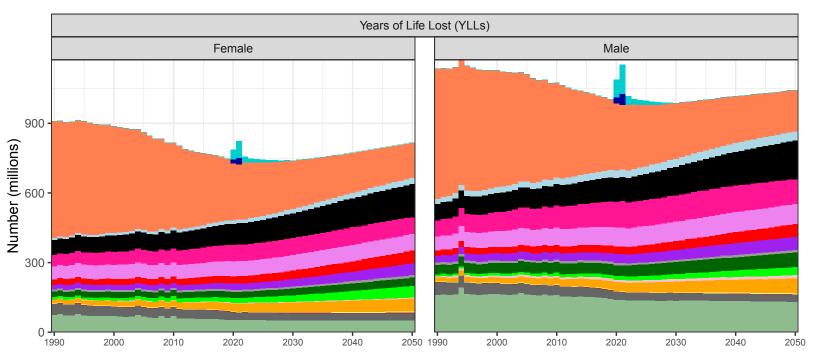
Female ---- Male

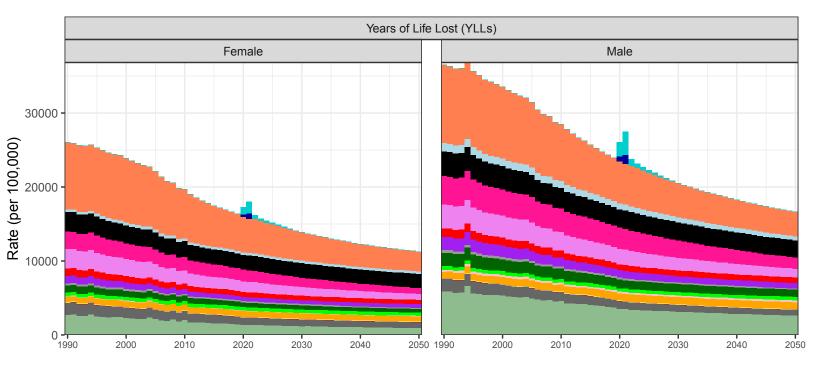
30

Supplementary Results Figure S5. Life expectancy at birth by super-region, sex, and scenario



### Supplementary Results Figure S6. Global YLLs under Reference scenario

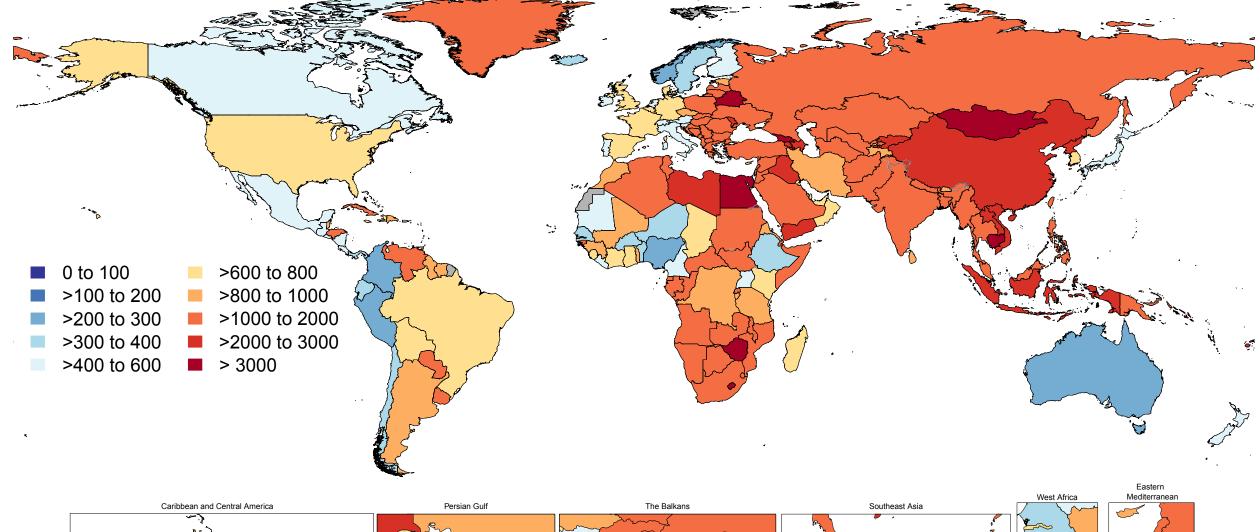




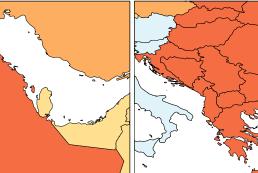
#### COVID-19

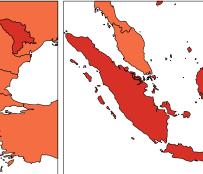
Other COVID-19 pandemic-related outcomes Communicable, maternal, neonatal, and nutritional diseases without COVID Tracheal, bronchus, and lung cancer Other cancers Ischemic heart disease Stroke Other cardiovascular diseases Chronic obstructive pulmonary disease Other chronic respiratory diseases Digestive diseases Neurological disorders Mental disorders Substance use disorders Diabetes and kidney diseases Skin and subcutaneous diseases Musculoskeletal disorders Other non-communicable diseases Injuries

Supplementary Results Figure S7. Difference in cumulative age-standardised rate of YLLs under Elimination-2023 scenario compared to Reference scenario, 2022 to 2050 (per 100,000), Males







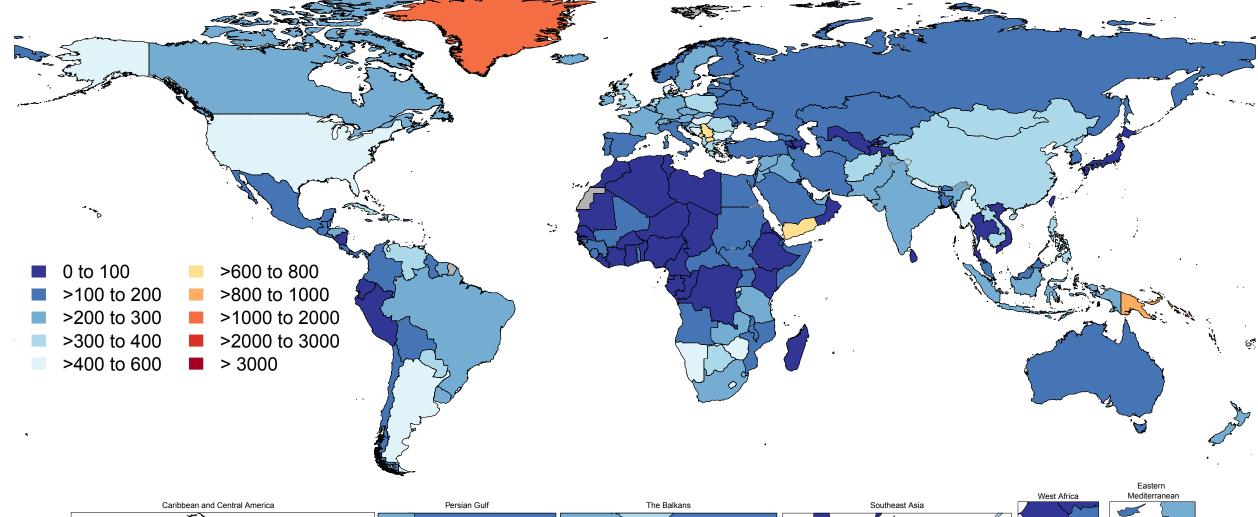




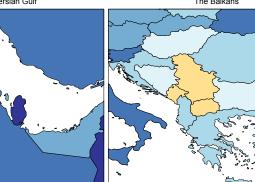


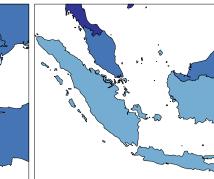
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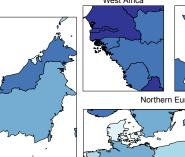
Supplementary Results Figure S8. Difference in cumulative age-standardised rate of YLLs under Elimination-2023 scenario compared to Reference scenario, 2022 to 2050 (per 100,000), Females

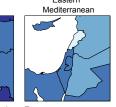












Northern Europe

