

Table 1S Summary of the data. COVID-19 confirmed cases, deaths, and tests, and burden of non-communicable diseases, lockdown delay, number of tourists, life expectancy, and healthy life expectancy according to the A) Global Burden of Disease Study classification of countries and B) World Bank income level classification.

Super regions	COVID-19				Non-communicable diseases		Cardiovascular diseases		Life expectancy	Healthy life expectancy	Lockdown*	International tourism
	Tests per million (95% CI)	Cases per million (95% CI)	Deaths per million (95% CI)	Percentage of confirmed cases to tests performed (%)	DALYs per 100000 (95% UI)	Deaths per 100000 (95% UI)	DALYs per 100000 (95% UI)	Deaths per 100000 (95% UI)	Years (95% UI)	Years (95% UI)	Days (IQR)	Million arrivals in 2018
A. Global Burden of Disease Study classification												
Central Europe, Eastern Europe, and Central Asia region	41927.31 (41905.17–41949.45)	1343.95 (1340.40–1347.49)	23.15 (22.68–23.61)	1.56	29870.30 (27200.42 to 32884.00)	1013.35 (1003.91 to 1022.59)	11067.6 (10800.75 to 1339.18)	612.83 (605.82 to 620.59)	73.06 (72.9 to 73.2)	63.06 (60.24 to 65.55)	9 (2 to 13)	245.89
High-income region	34757.76 (34746.66–34768.86)	3050.60 (3047.30–3053.88)	249.72 (248.78–250.66)	6.55	23778.16 (20877.82 to 27083.21)	799.07 (789.08 to 808.45)	4231.29 (4034.62 to 4435.93)	277.96 (273.37 to 283.23)	81.02 (80.88 to 81.16)	69.59 (66.35 to 72.36)	19 (13 to 44)	364.16
Latin America and Caribbean region	2216.54 (2212.37–2220.72)	1276.58 (1273.67–1279.48)	75.42 (74.71–76.12)	18.98	18282.75 (16095.66 to 20785.06)	441.20 (435.76 to 446.57)	3300.12 (3192.61 to 3416.93)	157.32 (154.88 to 159.78)	75.86 (75.56 to 76.15)	66.21 (63.44 to 68.57)	1 (0 to 10)	129.69
North Africa and Middle East region	16152.44 (16136.89–16168.04)	1014.67 (1011.98–1017.36)	27.60 (27.16–28.04)	7.20	18345.83 (15982.13 to 20996.15)	353.61 (343.56 to 364.54)	4377.16 (4193.87 to 4578.48)	187.11 (181.23 to 193.44)	75.86 (75.56 to 76.15)	66.21 (63.44 to 68.57)	9 (4 to 13)	100.17
South Asia region	2199.04 (2196.87–2201.21)	147.85 (147.29–148.40)	3.57 (3.49–3.66)	1.67	19263.67 (17262.69 to 21591.08)	444.10 (423.55 to 458.55)	4681.63 (4492.75 to 4847.12)	189.89 (180.87 to 196.67)	72.54 (72.09 to 72.96)	59.48 (56.9 to 61.8)	17 (12 to 54)	897.41
Southeast Asia, East Asia, and Oceania region	2643.1 (2639.18–2647.01)	63.86 (63.52–64.20)	3.34 (3.26–3.42)	1.74	21301.25 (19072.91 to 23900.89)	606.41 (592.67 to 621.96)	5677.22 (5466.53 to 5892.72)	275.91 (269.21 to 283.01)	75.61 (75.33 to 75.88)	66.64 (64.11 to 68.81)	34 (2 to 52)	499.70
Sub-Saharan Africa	2190.69 (2186.80–2194.59)	80.60 (80.08–81.12)	1.9 (1.82–1.98)	1.47	14746.32 (12998.59 to 16739.18)	250.40 (236.48 to 268.17)	2228.06 (2096.14 to 2368.79)	85.19 (80.47 to 90.93)	63.91 (63.06 to 64.65)	55.2 (52.68 to 57.58)	2 (-5 to 5)	297.25
B. World Bank classification												
High-income countries	34908.03 (34897.34–34918.73)	2962.47 (2959.39–2965.56)	228.79 (227.93–229.65)	6.24	23691.99 (20786.54 to 26962.76)	784.51 (775.53 to 792.79)	4362.40 (4160.84 to 4572.38)	280.60 (276.48 to 285.56)	80.82 (80.7 to 80.94)	69.4 (66.15 to 72.18)	14.5 (7.5 to 31.5)	798.71
Upper middle-income countries	15810.48 (15802.91–15818.06)	614.39 (613.45–615.33)	25.51 (25.32–25.70)	3.65	21298.92 (18991.72 to 23967.28)	609.96 (599.38 to 620.65)	5593.41 (5406.94 to 5794.14)	286.57 (281.26 to 291.92)	76.07 (75.86 to 76.28)	66.63 (64 to 68.9)	5 (1 to 12)	382.01
Lower middle-income countries	2043.03 (2041.33–2044.74)	135.17 (134.77–135.58)	3.90 (3.83–3.97)	2.30	19084.26 (17071.08 to 21435.58)	434.61 (420.93 to 445.92)	4685.64 (4533.35 to 4825.17)	195.61 (189.77 to 200.96)	68.89 (68.5 to 69.28)	59.55 (56.95 to 61.87)	3 (1 to 13)	149.16
Low-income countries	1487.74 (1482.80–1492.68)	53.17 (52.63–53.71)	1.23 (1.15–1.31)	1.70	15910.57 (14190.80 to 17798.17)	287.97 (275.44 to 299.99)	2803.09 (2658.78 to 2936.56)	107.00 (101.97 to 112.26)	64.32 (63.66 to 64.93)	55.66 (53.17 to 57.97)	1 (0 to 8)	12.16

*Days from COVID-19 first case to institutional shot down as median (25th to 75th); CI, confidence interval; COVID-19, coronavirus disease 2019; DALY, disability-adjusted life years; IQR, interquartile range; UI, uncertainty interval.

Table 2S Regional and national rates of COVID-19 cases, deaths, and tests as of May 28, 2020

GBD regions and countries	Total cases per million	Total deaths per million	Total tests per thousand	Percentage of confirmed cases to tests performed
Central Europe, Eastern Europe, and Central Asia				
Albania	364.9	11.5		
Armenia	2623.5	33.1		
Azerbaijan	450.5	5.3		
Belarus	4122.6	22.6	50.0	8.2%
Bosnia and Herzegovina	742.2	46.0		
Bulgaria	354.0	19.1	11.0	3.2%
Croatia	546.6	24.6	15.5	3.5%
Czech Republic	848.4	29.6	39.0	2.2%
Estonia	1387.1	49.8	60.0	2.3%
Georgia	184.2	3.0		
Hungary	395.0	52.7	17.6	2.2%
Kazakhstan	510.0	2.0	37.8	1.3%
Kyrgyzstan	244.3	2.5		
Latvia	560.4	12.2	54.9	1.0%
Lithuania	605.0	24.2	103.3	0.6%
Macedonia	979.2	57.1		
Moldova	1868.4	67.9		
Mongolia	49.1	0.0		
Montenegro	515.9	14.3		
Poland	593.8	27.2	21.8	2.7%
Romania	966.5	63.4	20.1	4.8%
Russian Federation	2540.0	27.2	64.5	3.9%
Serbia	1657.0	35.3	32.9	5.0%
Slovakia	277.5	5.1	29.9	0.9%
Slovenia	707.6	51.5	36.8	1.9%
Tajikistan	325.0	4.8		
Turkmenistan				
Ukraine	493.5	14.7	7.1	6.9%
Uzbekistan	99.6	0.4		
High-income				
Andorra	9875.1	660.1		
Argentina	308.0	11.1	3.1	9.9%
Australia	280.0	4.0	52.5	0.5%
Austria	1833.7	71.6	46.5	3.9%
Belgium	4969.3	808.0	56.0	8.9%
Brunei	322.3	4.6		
Canada	2318.6	179.2	40.5	5.7%
Chile	4304.7	44.0	26.9	16.0%
Cyprus	1072.0	19.4		
Denmark	1982.0	97.5	82.9	2.4%
Finland	1207.8	56.5	31.3	3.9%
France	2232.9	438.1	12.7	17.5%
Germany	2145.0	100.4	47.2	4.5%
Greece	278.5	16.6	16.0	1.7%
Iceland	5289.4	29.3	174.6	3.0%
Ireland	5023.1	330.3	66.0	7.6%
Israel	1940.1	32.5	57.6	3.4%
Italy	3822.9	547.0	59.7	6.4%
Japan	131.7	6.8	2.2	6.0%
Luxembourg	6391.6	175.7	112.1	5.7%
Malta	1392.9	15.9		
Netherlands	2671.0	342.6	19.6	13.6%
New Zealand	239.3	4.6	55.5	0.4%
Norway	1546.3	43.3	44.2	3.5%
Portugal	3068.8	133.0	74.9	4.1%
Singapore	5619.5	3.9	37.4	15.0%
South Korea	221.3	5.2	16.6	1.3%
Spain	5064.1	615.0	47.5	10.7%

Table 2S Regional and national rates of COVID-19 cases, deaths, and tests as of May 28, 2020

GBD regions and countries	Total cases per million	Total deaths per million	Total tests per thousand	Percentage of confirmed cases to tests performed
Sweden	3474.3	417.9	23.6	14.7%
Switzerland	3544.7	190.3	44.0	8.1%
United Kingdom	3936.6	551.8	31.6	12.5%
United States	5135.7	303.4	45.0	11.4%
Uruguay	231.2	6.3	11.4	2.0%
Latin America and Caribbean				
Antigua and Barbuda	255.3	30.6		
Barbados	320.1	24.4		
Belize	45.3	5.0		
Bolivia	665.5	24.0	1.1	58.8%
Brazil	1937.4	120.4	0.6	310.9%
Colombia	473.7	15.8	5.1	9.2%
Costa Rica	193.2	2.0	3.4	5.7%
Cuba	174.3	7.2	8.7	2.0%
Dominica	222.3	0.0		
Dominican Republic	1449.4	43.7		
Ecuador	2159.7	185.6	3.8	57.4%
El Salvador	325.2	6.0	12.3	2.6%
Grenada	204.4	0.0		
Guatemala	231.4	3.8		
Guyana	176.7	14.0		
Haiti	115.8	3.0		
Honduras	468.5	19.6		
Jamaica	192.2	3.0		
Mexico	605.1	66.7	1.6	38.4%
Nicaragua	114.6	5.3		
Panama	2718.1	73.0	13.5	20.1%
Paraguay	123.9	1.5	3.8	3.3%
Peru	4121.9	120.8	3.9	106.6%
Saint Lucia	98.0	0.0		
Saint Vincent and the Grenadines	162.2	0.0		
Suriname	20.5	1.7		
The Bahamas	254.3	28.0		
Trinidad and Tobago	82.9	5.7		
Venezuela	43.8	0.4		
North Africa and Middle East				
Algeria	202.0	14.2		
Bahrain	5661.2	8.8	171.1	3.3%
Egypt	192.2	8.0		
Iran	1685.7	90.1	10.2	16.5%
Iraq	127.7	4.4		
Jordan	70.6	0.9		
Kuwait	5448.2	41.0		
Lebanon	170.1	3.8		
Libya	14.4	0.6		
Morocco	205.9	5.5	2.6	8.0%
Oman	1639.6	7.4		
Palestine	120.2	1.0		
Qatar	16989.2	10.4	69.8	24.3%
Saudi Arabia	2256.0	12.2	21.7	10.4%
Syria	6.9	0.2		
Tunisia	88.9	4.1	4.2	2.1%
Turkey	1882.4	52.1	22.5	8.4%
United Arab Emirates	3232.3	25.8		
Yemen	8.6	1.8		
South Asia				
Afghanistan	320.0	5.8		
Bangladesh	232.5	3.3	1.6	14.4%

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GBD regions and countries	Total cases per million	Total deaths per million	Total tests per thousand	Percentage of confirmed cases to tests performed
Bhutan	36.3	0.0		
India	114.7	3.3	2.3	5.1%
Nepal	30.4	0.1	1.9	1.6%
Pakistan	277.2	5.7	2.3	12.3%
Southeast Asia, East Asia, and Oceania				
Cambodia	7.4	0.0		
China	58.4	3.2		
Federated States of Micronesia				
Fiji	20.1	0.0		
Indonesia	87.2	5.4	0.7	12.2%
Kiribati				
Laos	2.6	0.0		
Malaysia	235.4	3.6	16.1	1.5%
Maldives	2695.4	9.3	37.0	7.3%
Marshall Islands				
Myanmar	3.8	0.1	0.4	1.0%
North Korea				
Papua New Guinea	0.9	0.0		
Philippines	137.3	8.3	2.6	5.3%
Samoa				
Solomon Islands				
Sri Lanka	68.6	0.5		
Taiwan (Province of China)	18.5	0.3	3.0	0.6%
Thailand	43.8	0.8	5.4	0.8%
Timor-Leste	18.2	0.0		
Tonga				
Vanuatu				
Vietnam	3.4	0.0	2.7	0.1%
Sub-Saharan Africa				
American Samoa				
Angola	2.2	0.1		
Benin	28.0	0.2		
Bermuda	2232.1	144.5		
Botswana	14.9	0.4		
Burkina Faso	40.4	2.5		
Burundi	3.5	0.1		
Cameroon	204.8	6.7		
Cape Verde	701.5	7.2		
Central African Republic	145.3	0.2		
Chad	43.5	3.9		
Comoros	100.0	2.3		
Congo	103.5	3.4		
Cote d'Ivoire	96.9	1.2		
Democratic Republic of the Congo	29.7	0.8		
Djibouti	2729.8	18.2		
Equatorial Guinea	743.4	8.6		
Eritrea	11.0	0.0		
Ethiopia	6.4	0.1	0.8	0.8%
Gabon	1041.9	6.3		
Ghana	235.0	1.1	6.5	3.6%
Greenland	211.4	0.0		
Guam	1013.1	29.6		
Guinea	262.4	1.6		
Guinea-Bissau	598.6	3.6		
Kenya	27.4	1.0	1.3	2.2%
Lesotho	0.9	0.0		
Liberia	52.6	5.3		
Madagascar	22.1	0.1		

Table 2S Regional and national rates of COVID-19 cases, deaths, and tests as of May 28, 2020

GBD regions and countries	Total cases per million	Total deaths per million	Total tests per thousand	Percentage of confirmed cases to tests performed
Malawi	5.3	0.2		
Mali	55.1	3.5		
Mauritania	62.8	3.4		
Mauritius	262.6	7.9		
Mozambique	7.3	0.0		
Namibia	8.7	0.0		
Niger	39.5	2.6		
Nigeria	42.4	1.2	0.2	18.0%
Northern Mariana Islands	382.2	34.7		
Puerto Rico	1187.4	45.1		
Rwanda	26.7	0.0	4.7	0.6%
Sao Tome and Principe	2021.3	54.8		
Senegal	194.3	2.3	2.3	8.5%
Seychelles	111.9	0.0		
Sierra Leone	98.0	5.6		
Somalia	108.9	4.2		
South Africa	437.3	9.3	10.2	4.3%
South Sudan	72.0	0.7		
Sudan	94.6	4.2		
Swaziland	234.5	1.7		
Tanzania	8.5	0.4		
The Gambia	10.3	0.4		
Togo	47.7	1.6		
Uganda	6.1	0.0	1.9	0.3%
Virgin Islands, U.S.	660.8	57.5		
Zambia	57.5	0.4		
Zimbabwe	8.9	0.3	1.1	0.8%
Number of countries with data	185	185	84	84

Number of COVID-19 confirmed cases, deaths, and number of tests were retrieved from the Worldometers

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Global	All causes	2499.29 (2285.52 to 2737.39)	1.00	32711.25 (29913.42 to 35827.54)	55.95 (55.36 to 56.52)	1.00	732.23 (724.52 to 739.70)
	Non-communicable diseases	1550.90 (1380.12 to 1748.21)	0.62	20298.45 (18063.26 to 22880.88)	41.07 (40.47 to 41.55)	0.73	537.55 (529.69 to 543.80)
	Cardiovascular diseases	365.87 (355.16 to 376.75)	0.15	4788.58 (4648.44 to 4930.95)	17.79 (17.53 to 18.04)	0.32	232.85 (229.40 to 236.15)
	Ischemic heart disease	170.28 (167.14 to 174.05)	0.07	2228.60 (2187.56 to 2277.96)	8.93 (8.79 to 9.14)	0.16	116.88 (115.05 to 119.61)
	Stroke	132.05 (126.50 to 137.35)	0.05	1728.32 (1655.64 to 1797.67)	6.17 (6.04 to 6.33)	0.11	80.72 (79.11 to 82.82)
	Ischemic stroke	55.14 (50.93 to 59.42)	0.02	721.66 (666.62 to 777.66)	2.75 (2.66 to 2.86)	0.05	35.96 (34.78 to 37.40)
	Hypertensive heart disease	16.54 (12.74 to 17.88)	0.01	216.52 (166.78 to 233.99)	0.93 (0.68 to 0.99)	0.02	12.12 (8.92 to 13.02)
GBD super regions							
Central Europe, Eastern Europe, and Central Asia	All causes	157.81 (143.98 to 173.42)	1.00	37942.75 (34615.89 to 41693.83)	4.73 (4.69 to 4.77)	1.00	1137.09 (1126.79 to 1147.19)
	Non-communicable diseases	124.24 (113.13 to 136.77)	0.79	29870.30 (27200.42 to 32884.00)	4.21 (4.18 to 4.25)	0.89	1013.35 (1003.91 to 1022.59)
	Cardiovascular diseases	46.03 (44.92 to 47.16)	0.29	11067.59 (10800.75 to 11339.18)	2.55 (2.52 to 2.58)	0.54	612.83 (605.82 to 620.59)
	Ischemic heart disease	25.23 (24.73 to 25.91)	0.16	6066.22 (5945.25 to 6229.47)	1.53 (1.50 to 1.56)	0.32	367.50 (361.83 to 376.17)
	Stroke	13.41 (12.81 to 13.97)	0.09	3224.92 (3080.69 to 3358.28)	0.71 (0.70 to 0.73)	0.15	171.61 (168.83 to 176.09)
	Ischemic stroke	7.87 (7.40 to 8.32)	0.05	1892.20 (1779.23 to 2001.11)	0.45 (0.44 to 0.46)	0.10	108.65 (106.84 to 111.59)
	Hypertensive heart disease	1.15 (0.86 to 1.25)	0.01	277.46 (205.92 to 299.56)	0.07 (0.05 to 0.07)	0.01	16.71 (11.05 to 17.89)
High-income	All causes	300.62 (264.12 to 342.80)	1.00	27967.30 (24571.95 to 31892.06)	9.67 (9.55 to 9.78)	1.00	899.54 (888.77 to 909.84)
	Non-communicable diseases	255.59 (224.41 to 291.11)	0.85	23778.16 (20877.82 to 27083.21)	8.59 (8.48 to 8.69)	0.89	799.07 (789.08 to 808.45)
	Cardiovascular diseases	45.48 (43.37 to 47.68)	0.15	4231.29 (4034.62 to 4435.93)	2.99 (2.94 to 3.04)	0.31	277.96 (273.37 to 283.23)
	Ischemic heart disease	20.84 (20.33 to 21.49)	0.07	1938.65 (1891.41 to 1999.15)	1.53 (1.49 to 1.59)	0.16	142.10 (139.00 to 147.99)
	Stroke	12.43 (11.43 to 13.39)	0.04	1156.35 (1063.07 to 1245.33)	0.75 (0.73 to 0.78)	0.08	69.35 (67.75 to 72.39)
	Ischemic stroke	6.42 (5.66 to 7.14)	0.02	597.21 (526.24 to 664.19)	0.39 (0.38 to 0.41)	0.04	36.36 (35.42 to 38.20)
	Hypertensive heart disease	2.02 (1.43 to 2.21)	0.01	188.08 (133.41 to 206.03)	0.15 (0.09 to 0.16)	0.02	13.59 (8.36 to 14.62)
Latin America and Caribbean	All causes	154.91 (139.54 to 172.08)	1.00	26619.11 (23977.92 to 29569.73)	3.40 (3.35 to 3.44)	1.00	583.60 (576.09 to 590.62)
	Non-communicable diseases	106.40 (93.67 to 120.96)	0.69	18282.75 (16095.66 to 20785.06)	2.57 (2.54 to 2.60)	0.76	441.20 (435.76 to 446.57)
	Cardiovascular diseases	19.20 (18.58 to 19.88)	0.12	3300.12 (3192.61 to 3416.93)	0.92 (0.90 to 0.93)	0.27	157.32 (154.88 to 159.78)
	Ischemic heart disease	9.22 (8.95 to 9.47)	0.06	1584.84 (1538.74 to 1626.46)	0.48 (0.46 to 0.49)	0.14	82.02 (79.83 to 83.80)
	Stroke	5.47 (5.28 to 5.66)	0.04	939.18 (907.70 to 972.21)	0.26 (0.25 to 0.26)	0.08	44.49 (43.37 to 45.49)
	Ischemic stroke	1.80 (1.69 to 1.92)	0.01	309.88 (290.73 to 329.67)	0.10 (0.10 to 0.10)	0.03	17.56 (17.04 to 17.98)
	Hypertensive heart disease	1.08 (0.98 to 1.36)	0.01	184.83 (169.09 to 233.86)	0.06 (0.05 to 0.08)	0.02	9.99 (8.77 to 12.97)
North Africa and Middle East	All causes	167.84 (150.55 to 186.92)	1.00	27964.53 (25084.51 to 31143.74)	2.86 (2.79 to 2.94)	1.00	477.06 (464.37 to 490.05)
	Non-communicable diseases	110.11 (95.92 to 126.02)	0.66	18345.83 (15982.13 to 20996.15)	2.12 (2.06 to 2.19)	0.74	353.61 (343.56 to 364.54)
	Cardiovascular diseases	26.27 (25.17 to 27.48)	0.16	4377.16 (4193.87 to 4578.48)	1.12 (1.09 to 1.16)	0.39	187.11 (181.23 to 193.44)
	Ischemic heart disease	15.59 (14.77 to 16.46)	0.09	2597.77 (2461.36 to 2742.25)	0.71 (0.68 to 0.75)	0.25	118.26 (112.85 to 124.70)
	Stroke	6.62 (6.17 to 7.07)	0.04	1102.33 (1027.54 to 1178.48)	0.27 (0.25 to 0.29)	0.09	44.76 (41.86 to 47.59)
	Ischemic stroke	3.56 (3.28 to 3.84)	0.02	593.08 (547.01 to 639.27)	0.16 (0.15 to 0.17)	0.06	26.99 (25.09 to 28.80)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
South Asia	Hypertensive heart disease	1.45 (0.91 to 1.62)	0.01	240.96 (151.11 to 270.17)	0.07 (0.04 to 0.08)	0.03	12.33 (7.28 to 13.84)
	All causes	620.26 (571.07 to 677.72)	1.00	34793.64 (32034.38 to 38016.97)	12.40 (12.13 to 12.64)	1.00	695.56 (680.52 to 709.31)
	Non-communicable diseases	343.41 (307.74 to 384.90)	0.55	19263.67 (17262.69 to 21591.08)	7.92 (7.55 to 8.17)	0.64	444.10 (423.55 to 458.55)
	Cardiovascular diseases	83.46 (80.09 to 86.41)	0.13	4681.63 (4492.75 to 4847.12)	3.39 (3.22 to 3.51)	0.27	189.89 (180.87 to 196.67)
	Ischemic heart disease	46.18 (44.28 to 47.97)	0.07	2590.53 (2484.01 to 2690.65)	1.92 (1.83 to 2.00)	0.15	107.64 (102.55 to 112.22)
	Stroke	24.34 (23.17 to 25.45)	0.04	1365.23 (1299.93 to 1427.54)	1.02 (0.97 to 1.07)	0.08	57.19 (54.13 to 59.88)
	Ischemic stroke	8.75 (7.41 to 10.49)	0.01	491.00 (415.61 to 588.68)	0.41 (0.35 to 0.50)	0.03	23.14 (19.75 to 27.84)
Southeast Asia, East Asia, and Oceania	Hypertensive heart disease	2.58 (1.97 to 3.20)	0.00	144.97 (110.60 to 179.61)	0.12 (0.09 to 0.15)	0.01	6.99 (5.32 to 8.60)
	All causes	590.25 (534.07 to 655.58)	1.00	27341.60 (24739.00 to 30367.62)	15.41 (15.08 to 15.75)	1.00	713.88 (698.47 to 729.72)
	Non-communicable diseases	459.85 (411.75 to 515.97)	0.78	21301.25 (19072.91 to 23900.89)	13.09 (12.79 to 13.43)	0.85	606.41 (592.67 to 621.96)
	Cardiovascular diseases	122.56 (118.01 to 127.21)	0.21	5677.22 (5466.53 to 5892.72)	5.96 (5.81 to 6.11)	0.39	275.91 (269.21 to 283.01)
	Ischemic heart disease	44.76 (43.46 to 46.13)	0.08	2073.42 (2012.94 to 2136.97)	2.40 (2.34 to 2.47)	0.16	111.12 (108.19 to 114.19)
	Stroke	61.66 (58.85 to 64.52)	0.10	2856.19 (2726.23 to 2988.61)	2.84 (2.77 to 2.93)	0.18	131.71 (128.19 to 135.81)
	Ischemic stroke	24.29 (22.23 to 26.32)	0.04	1124.94 (1029.76 to 1219.14)	1.12 (1.08 to 1.16)	0.07	51.79 (50.10 to 53.58)
Sub-Saharan Africa	Hypertensive heart disease	6.66 (4.72 to 7.25)	0.01	308.68 (218.79 to 335.92)	0.38 (0.26 to 0.41)	0.02	17.70 (11.90 to 19.22)
	All causes	507.60 (477.65 to 543.66)	1.00	49472.07 (46552.81 to 52985.89)	7.48 (7.21 to 7.81)	1.00	728.71 (702.47 to 761.46)
	Non-communicable diseases	151.30 (133.37 to 171.75)	0.30	14746.32 (12998.59 to 16739.18)	2.57 (2.43 to 2.75)	0.34	250.40 (236.48 to 268.17)
	Cardiovascular diseases	22.86 (21.51 to 24.30)	0.05	2228.06 (2096.14 to 2368.79)	0.87 (0.83 to 0.93)	0.12	85.19 (80.47 to 90.93)
	Ischemic heart disease	8.45 (7.81 to 9.25)	0.02	823.53 (761.54 to 901.38)	0.37 (0.34 to 0.41)	0.05	36.01 (33.13 to 39.52)
	Stroke	8.13 (7.58 to 8.67)	0.02	792.36 (738.75 to 845.36)	0.32 (0.29 to 0.34)	0.04	30.97 (28.74 to 33.59)
	Ischemic stroke	2.45 (2.12 to 2.79)	0.00	238.56 (207.06 to 272.37)	0.11 (0.09 to 0.13)	0.01	10.73 (9.19 to 12.30)
	Hypertensive heart disease	1.60 (1.03 to 2.06)	0.00	155.69 (100.76 to 200.41)	0.07 (0.05 to 0.10)	0.01	6.94 (4.49 to 9.26)
World Bank income level regions							
World Bank High Income	All causes	332.62 (292.69 to 379.53)	1.00	27962.08 (24604.84 to 31905.26)	10.50 (10.38 to 10.61)	1.00	882.56 (872.97 to 891.63)
	Non-communicable diseases	281.83 (247.27 to 320.74)	0.85	23691.99 (20786.54 to 26962.76)	9.33 (9.23 to 9.43)	0.89	784.51 (775.53 to 792.79)
	Cardiovascular diseases	51.89 (49.50 to 54.39)	0.16	4362.40 (4160.84 to 4572.38)	3.34 (3.29 to 3.40)	0.32	280.60 (276.48 to 285.56)
	Ischemic heart disease	24.32 (23.74 to 25.09)	0.07	2044.41 (1995.90 to 2109.49)	1.74 (1.71 to 1.81)	0.17	146.50 (143.39 to 152.49)
	Stroke	14.17 (13.07 to 15.23)	0.04	1191.48 (1098.41 to 1280.16)	0.83 (0.81 to 0.87)	0.08	69.73 (68.22 to 72.75)
	Ischemic stroke	7.55 (6.69 to 8.36)	0.02	634.33 (562.68 to 702.81)	0.45 (0.44 to 0.47)	0.04	37.72 (36.82 to 39.53)
	Hypertensive heart disease	2.27 (1.61 to 2.49)	0.01	191.12 (135.57 to 208.96)	0.16 (0.10 to 0.17)	0.02	13.47 (8.37 to 14.44)
World Bank Upper Middle Income	All causes	729.07 (658.67 to 810.80)	1.00	27669.32 (24997.81 to 30771.38)	18.94 (18.62 to 19.25)	1.00	718.68 (706.56 to 730.51)
	Non-communicable diseases	561.21 (500.42 to 631.52)	0.77	21298.92 (18991.72 to 23967.28)	16.07 (15.79 to 16.35)	0.85	609.96 (599.38 to 620.65)
	Cardiovascular diseases	147.38 (142.47 to 152.67)	0.20	5593.41 (5406.94 to 5794.14)	7.55 (7.41 to 7.69)	0.40	286.57 (281.26 to 291.92)
	Ischemic heart disease	61.19 (59.85 to 62.71)	0.08	2322.35 (2271.56 to 2379.93)	3.48 (3.41 to 3.55)	0.18	131.91 (129.54 to 134.54)
	Stroke	63.14 (60.12 to 66.22)	0.09	2396.16 (2281.59 to 2513.24)	3.06 (2.98 to 3.14)	0.16	115.99 (113.22 to 119.20)
	Ischemic stroke	27.87 (25.62 to 30.07)	0.04	1057.76 (972.38 to 1141.21)	1.37 (1.33 to 1.40)	0.07	51.88 (50.63 to 53.19)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
World Bank Lower Middle Income	Hypertensive heart disease	7.52 (5.69 to 8.15)	0.01	285.45 (215.98 to 309.32)	0.45 (0.32 to 0.49)	0.02	17.11 (12.15 to 18.52)
	All causes	1109.50 (1024.62 to 1208.48)	1.00	35551.81 (32832.24 to 38723.56)	21.47 (21.03 to 21.93)	1.00	688.02 (674.01 to 702.78)
	Non-communicable diseases	595.58 (532.75 to 668.96)	0.54	19084.26 (17071.08 to 21435.58)	13.56 (13.14 to 13.92)	0.63	434.61 (420.93 to 445.92)
	Cardiovascular diseases	146.23 (141.48 to 150.58)	0.13	4685.64 (4533.35 to 4825.17)	6.10 (5.92 to 6.27)	0.28	195.61 (189.77 to 200.96)
	Ischemic heart disease	76.72 (74.46 to 79.03)	0.07	2458.43 (2385.95 to 2532.48)	3.36 (3.26 to 3.46)	0.16	107.77 (104.51 to 110.98)
	Stroke	47.06 (45.23 to 48.84)	0.04	1508.10 (1449.42 to 1564.95)	1.98 (1.90 to 2.05)	0.09	63.31 (60.97 to 65.66)
	Ischemic stroke	17.26 (15.59 to 19.40)	0.02	553.03 (499.62 to 621.68)	0.82 (0.75 to 0.92)	0.04	26.34 (23.94 to 29.45)
World Bank Low Income	Hypertensive heart disease	5.43 (4.27 to 6.24)	0.00	173.89 (136.98 to 200.10)	0.25 (0.20 to 0.29)	0.01	8.13 (6.49 to 9.30)
	All causes	320.25 (301.33 to 341.45)	1.00	48030.11 (45192.39 to 51210.71)	4.83 (4.70 to 4.95)	1.00	724.04 (705.29 to 741.81)
	Non-communicable diseases	106.09 (94.62 to 118.67)	0.33	15910.57 (14190.80 to 17798.17)	1.92 (1.84 to 2.00)	0.40	287.97 (275.44 to 299.99)
	Cardiovascular diseases	18.69 (17.73 to 19.58)	0.06	2803.09 (2658.78 to 2936.56)	0.71 (0.68 to 0.75)	0.15	107.00 (101.97 to 112.26)
	Ischemic heart disease	7.43 (6.97 to 7.93)	0.02	1113.66 (1045.59 to 1189.68)	0.31 (0.29 to 0.34)	0.07	47.08 (43.83 to 50.64)
	Stroke	6.85 (6.42 to 7.21)	0.02	1027.21 (962.76 to 1080.81)	0.27 (0.25 to 0.28)	0.06	40.03 (37.33 to 42.62)
	Ischemic stroke	2.12 (1.85 to 2.40)	0.01	318.24 (277.98 to 359.46)	0.09 (0.08 to 0.11)	0.02	14.10 (11.96 to 16.01)
	Hypertensive heart disease	1.23 (0.77 to 1.63)	0.00	183.97 (115.57 to 244.91)	0.06 (0.03 to 0.08)	0.01	8.28 (5.12 to 11.46)
GBD nations							
Afghanistan	All causes	16307.23 (14399.69 to 18288.65)	1.00	49634.29 (43828.32 to 55665.15)	226.65 (202.69 to 253.55)	1.00	689.85 (616.94 to 771.74)
	Non-communicable diseases	6948.56 (6058.38 to 7934.18)	0.43	21149.32 (18439.87 to 24149.24)	116.29 (103.23 to 130.40)	0.51	353.96 (314.19 to 396.89)
	Cardiovascular diseases	1637.82 (1401.52 to 1893.59)	0.10	4985.02 (4265.81 to 5763.53)	56.12 (49.28 to 62.91)	0.25	170.81 (150.01 to 191.48)
	Ischemic heart disease	936.16 (783.69 to 1105.46)	0.06	2849.39 (2385.31 to 3364.68)	33.68 (29.24 to 38.71)	0.15	102.52 (89.00 to 117.83)
	Stroke	470.53 (401.20 to 551.68)	0.03	1432.14 (1221.14 to 1679.14)	15.60 (13.53 to 17.95)	0.07	47.50 (41.18 to 54.64)
	Ischemic stroke	215.81 (183.17 to 253.70)	0.01	656.86 (557.50 to 772.20)	8.27 (7.06 to 9.58)	0.04	25.17 (21.48 to 29.16)
	Hypertensive heart disease	89.60 (39.05 to 125.76)	0.01	272.71 (118.87 to 382.78)	3.61 (1.58 to 4.78)	0.02	10.98 (4.81 to 14.56)
Albania	All causes	769.54 (653.15 to 884.64)	1.00	27819.79 (23612.06 to 31980.70)	21.76 (18.73 to 25.05)	1.00	786.53 (677.08 to 905.68)
	Non-communicable diseases	627.63 (532.49 to 721.45)	0.82	22689.46 (19250.24 to 26081.16)	20.27 (17.40 to 23.41)	0.93	732.62 (629.10 to 846.20)
	Cardiovascular diseases	209.56 (181.48 to 241.62)	0.27	7575.95 (6560.59 to 8734.81)	12.14 (10.48 to 14.05)	0.56	439.05 (378.73 to 508.09)
	Ischemic heart disease	96.44 (81.29 to 113.57)	0.13	3486.51 (2938.55 to 4105.60)	5.87 (4.99 to 6.89)	0.27	212.30 (180.48 to 249.07)
	Stroke	77.73 (67.20 to 89.81)	0.10	2810.13 (2429.32 to 3246.64)	4.84 (4.11 to 5.61)	0.22	174.98 (148.64 to 202.79)
	Ischemic stroke	17.27 (14.54 to 20.10)	0.02	624.33 (525.69 to 726.59)	0.74 (0.62 to 0.87)	0.03	26.71 (22.43 to 31.51)
	Hypertensive heart disease	2.11 (1.72 to 2.89)	0.00	76.24 (62.19 to 104.47)	0.13 (0.10 to 0.18)	0.01	4.62 (3.71 to 6.35)
Algeria	All causes	9288.02 (8126.94 to 10578.39)	1.00	22953.96 (20084.51 to 26142.90)	167.91 (161.07 to 174.98)	1.00	414.96 (398.05 to 432.43)
	Non-communicable diseases	7036.44 (6025.85 to 8176.51)	0.76	17389.52 (14891.99 to 20207.02)	139.17 (132.99 to 145.12)	0.83	343.93 (328.68 to 358.63)
	Cardiovascular diseases	1607.33 (1500.94 to 1703.79)	0.17	3972.28 (3709.35 to 4210.65)	79.39 (75.56 to 83.17)	0.47	196.20 (186.74 to 205.55)
	Ischemic heart disease	918.61 (837.75 to 1021.12)	0.10	2270.22 (2070.38 to 2523.55)	49.21 (45.34 to 54.22)	0.29	121.62 (112.06 to 134.00)
	Stroke	408.07 (358.24 to 456.59)	0.04	1008.47 (885.35 to 1128.39)	19.19 (16.77 to 21.62)	0.11	47.42 (41.45 to 53.43)
	Ischemic stroke	244.46 (212.92 to 277.10)	0.03	604.15 (526.19 to 684.82)	13.01 (11.26 to 14.85)	0.08	32.15 (27.82 to 36.70)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
American Samoa	Hypertensive heart disease	109.36 (50.40 to 153.38)	0.01	270.25 (124.55 to 379.06)	6.01 (2.41 to 8.74)	0.04	14.85 (5.95 to 21.61)
	All causes	15.60 (13.85 to 17.41)	1.00	28049.05 (24904.24 to 31288.98)	0.33 (0.30 to 0.35)	1.00	589.51 (541.31 to 637.16)
	Non-communicable diseases	12.23 (10.80 to 13.77)	0.78	21992.36 (19421.63 to 24755.08)	0.28 (0.25 to 0.30)	0.84	496.87 (454.58 to 540.27)
	Cardiovascular diseases	2.78 (2.53 to 3.04)	0.18	4989.03 (4545.94 to 5462.71)	0.10 (0.09 to 0.11)	0.30	179.49 (162.48 to 196.54)
	Ischemic heart disease	1.28 (1.14 to 1.43)	0.08	2300.17 (2053.40 to 2561.87)	0.05 (0.04 to 0.06)	0.15	89.39 (80.03 to 99.06)
	Stroke	0.86 (0.78 to 0.94)	0.06	1546.74 (1404.79 to 1694.33)	0.03 (0.03 to 0.03)	0.09	54.77 (49.39 to 60.56)
	Ischemic stroke	0.22 (0.19 to 0.25)	0.01	398.04 (347.12 to 445.34)	0.01 (0.01 to 0.01)	0.02	14.02 (12.51 to 15.61)
Andorra	Hypertensive heart disease	0.12 (0.10 to 0.14)	0.01	211.71 (181.57 to 252.79)	0.00 (0.00 to 0.01)	0.01	8.04 (6.84 to 9.66)
	All causes	19.40 (16.60 to 22.50)	1.00	24265.59 (20752.59 to 28140.50)	0.56 (0.51 to 0.61)	1.00	699.65 (638.26 to 762.39)
	Non-communicable diseases	16.83 (14.39 to 19.56)	0.87	21045.48 (17994.47 to 24465.40)	0.50 (0.45 to 0.54)	0.89	623.32 (568.31 to 679.56)
	Cardiovascular diseases	2.67 (2.43 to 2.96)	0.14	3342.91 (3043.66 to 3703.17)	0.17 (0.16 to 0.19)	0.31	214.39 (194.62 to 236.84)
	Ischemic heart disease	1.21 (1.07 to 1.38)	0.06	1513.31 (1343.95 to 1730.97)	0.08 (0.07 to 0.09)	0.15	104.04 (92.53 to 117.79)
	Stroke	0.68 (0.60 to 0.76)	0.04	851.07 (755.14 to 953.11)	0.04 (0.04 to 0.05)	0.08	56.12 (49.22 to 63.65)
	Ischemic stroke	0.33 (0.29 to 0.38)	0.02	417.23 (360.57 to 474.21)	0.02 (0.02 to 0.03)	0.04	28.14 (24.08 to 32.27)
Angola	Hypertensive heart disease	0.05 (0.04 to 0.07)	0.00	68.21 (53.69 to 84.35)	0.00 (0.00 to 0.00)	0.01	4.27 (3.25 to 5.42)
	All causes	13114.80 (11517.27 to 14927.92)	1.00	46502.58 (40838.04 to 52931.58)	184.36 (163.28 to 206.00)	1.00	653.69 (578.96 to 730.42)
	Non-communicable diseases	4181.84 (3603.85 to 4813.45)	0.32	14828.00 (12778.58 to 17067.58)	64.30 (56.59 to 72.39)	0.35	228.00 (200.64 to 256.68)
	Cardiovascular diseases	604.41 (527.32 to 684.16)	0.05	2143.12 (1869.78 to 2425.91)	21.78 (18.98 to 24.83)	0.12	77.24 (67.32 to 88.03)
	Ischemic heart disease	217.34 (180.77 to 256.95)	0.02	770.63 (640.96 to 911.09)	8.82 (7.44 to 10.42)	0.05	31.29 (26.37 to 36.93)
	Stroke	199.55 (170.74 to 228.83)	0.02	707.56 (605.42 to 811.40)	7.35 (6.28 to 8.53)	0.04	26.06 (22.27 to 30.26)
	Ischemic stroke	53.84 (45.87 to 63.08)	0.00	190.91 (162.65 to 223.66)	2.22 (1.84 to 2.66)	0.01	7.86 (6.52 to 9.42)
Antigua and Barbuda	Hypertensive heart disease	56.68 (32.56 to 77.31)	0.00	200.97 (115.44 to 274.14)	2.41 (1.40 to 3.30)	0.01	8.54 (4.96 to 11.71)
	All causes	22.84 (20.19 to 25.90)	1.00	25675.70 (22695.66 to 29113.43)	0.56 (0.53 to 0.59)	1.00	633.25 (598.85 to 665.00)
	Non-communicable diseases	17.79 (15.64 to 20.23)	0.78	19993.08 (17580.75 to 22736.25)	0.48 (0.45 to 0.50)	0.84	534.57 (506.66 to 559.79)
	Cardiovascular diseases	3.66 (3.45 to 3.89)	0.16	4118.30 (3881.15 to 4371.33)	0.19 (0.18 to 0.20)	0.33	209.96 (198.80 to 220.79)
	Ischemic heart disease	1.30 (1.21 to 1.39)	0.06	1456.99 (1363.23 to 1566.39)	0.07 (0.07 to 0.08)	0.13	82.82 (77.33 to 88.50)
	Stroke	1.13 (1.06 to 1.21)	0.05	1270.62 (1189.10 to 1361.32)	0.06 (0.05 to 0.06)	0.10	64.85 (60.48 to 69.51)
	Ischemic stroke	0.42 (0.39 to 0.46)	0.02	473.64 (436.77 to 516.09)	0.02 (0.02 to 0.03)	0.04	27.90 (25.80 to 30.22)
Argentina	Hypertensive heart disease	0.40 (0.32 to 0.46)	0.02	454.87 (357.34 to 520.26)	0.02 (0.02 to 0.02)	0.04	24.26 (18.38 to 27.73)
	All causes	11856.98 (10441.39 to 13425.90)	1.00	26785.80 (23587.88 to 30330.11)	332.47 (306.01 to 363.64)	1.00	751.06 (691.30 to 821.48)
	Non-communicable diseases	8999.39 (7822.11 to 10325.51)	0.76	20330.29 (17670.74 to 23326.10)	268.45 (246.62 to 293.77)	0.81	606.45 (557.14 to 663.64)
	Cardiovascular diseases	1874.06 (1703.71 to 2065.94)	0.16	4233.63 (3848.82 to 4667.11)	105.78 (96.99 to 115.57)	0.32	238.96 (219.10 to 261.08)
	Ischemic heart disease	860.69 (776.57 to 952.19)	0.07	1944.36 (1754.33 to 2151.06)	53.94 (49.30 to 59.00)	0.16	121.85 (111.37 to 133.28)
	Stroke	485.88 (438.29 to 535.80)	0.04	1097.63 (990.13 to 1210.42)	23.78 (21.50 to 26.17)	0.07	53.72 (48.56 to 59.12)
	Ischemic stroke	168.74 (148.80 to 189.34)	0.01	381.20 (336.15 to 427.73)	9.12 (8.24 to 10.09)	0.03	20.61 (18.61 to 22.78)
	Hypertensive heart disease	92.41 (79.95 to 121.18)	0.01	208.76 (180.62 to 273.74)	6.21 (5.26 to 8.21)	0.02	14.03 (11.88 to 18.56)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Armenia	All causes	911.39 (819.94 to 1019.65)	1.00	30106.52 (27085.36 to 33682.58)	28.29 (27.59 to 29.04)	1.00	934.65 (911.26 to 959.35)
	Non-communicable diseases	769.01 (694.20 to 856.50)	0.84	25403.18 (22931.73 to 28293.30)	26.37 (25.69 to 27.10)	0.93	871.24 (848.68 to 895.13)
	Cardiovascular diseases	235.34 (226.68 to 243.91)	0.26	7774.18 (7488.14 to 8057.35)	13.63 (13.24 to 14.03)	0.48	450.28 (437.24 to 463.43)
	Ischemic heart disease	153.33 (147.70 to 159.04)	0.17	5064.91 (4878.99 to 5253.74)	9.43 (9.11 to 9.89)	0.33	311.61 (300.88 to 326.63)
	Stroke	50.79 (47.48 to 53.92)	0.06	1677.93 (1568.44 to 1781.27)	2.62 (2.50 to 2.76)	0.09	86.48 (82.45 to 91.08)
	Ischemic stroke	29.47 (27.15 to 31.74)	0.03	973.61 (896.79 to 1048.64)	1.58 (1.50 to 1.68)	0.06	52.15 (49.40 to 55.57)
	Hypertensive heart disease	7.91 (4.03 to 9.03)	0.01	261.38 (132.98 to 298.31)	0.59 (0.19 to 0.69)	0.02	19.40 (6.27 to 22.90)
Australia	All causes	5868.04 (5067.01 to 6792.38)	1.00	24508.29 (21162.71 to 28368.85)	170.87 (156.98 to 185.43)	1.00	713.66 (655.62 to 774.46)
	Non-communicable diseases	4880.08 (4218.12 to 5624.14)	0.83	20382.00 (17617.29 to 23489.63)	155.10 (142.75 to 168.38)	0.91	647.78 (596.19 to 703.26)
	Cardiovascular diseases	724.10 (664.26 to 790.09)	0.12	3024.26 (2774.32 to 3299.86)	52.10 (48.27 to 56.53)	0.30	217.60 (201.60 to 236.09)
	Ischemic heart disease	347.20 (316.00 to 380.75)	0.06	1450.09 (1319.78 to 1590.24)	27.70 (25.50 to 30.06)	0.16	115.67 (106.49 to 125.53)
	Stroke	177.26 (160.39 to 194.43)	0.03	740.32 (669.86 to 812.03)	12.51 (11.44 to 13.67)	0.07	52.24 (47.78 to 57.08)
	Ischemic stroke	93.77 (82.74 to 104.47)	0.02	391.64 (345.58 to 436.35)	6.76 (6.17 to 7.41)	0.04	28.25 (25.79 to 30.93)
	Hypertensive heart disease	15.07 (13.00 to 18.96)	0.00	62.95 (54.30 to 79.17)	1.20 (0.91 to 1.47)	0.01	5.00 (3.80 to 6.16)
Austria	All causes	2396.29 (2080.21 to 2744.46)	1.00	27251.82 (23657.28 to 31211.39)	81.37 (77.97 to 85.12)	1.00	925.40 (886.71 to 968.02)
	Non-communicable diseases	2089.18 (1812.28 to 2389.00)	0.87	23759.23 (20610.22 to 27168.96)	75.79 (72.54 to 79.30)	0.93	861.93 (824.99 to 901.89)
	Cardiovascular diseases	413.79 (387.24 to 440.80)	0.17	4705.87 (4403.95 to 5013.03)	31.39 (29.91 to 32.90)	0.39	356.94 (340.20 to 374.12)
	Ischemic heart disease	209.34 (196.38 to 227.09)	0.09	2380.73 (2233.38 to 2582.60)	17.73 (16.66 to 19.66)	0.22	201.60 (189.50 to 223.61)
	Stroke	79.09 (71.14 to 87.27)	0.03	899.45 (809.08 to 992.45)	4.86 (4.50 to 5.43)	0.06	55.22 (51.20 to 61.75)
	Ischemic stroke	44.32 (38.63 to 50.10)	0.02	503.98 (439.27 to 569.76)	2.71 (2.49 to 3.08)	0.03	30.87 (28.32 to 34.97)
	Hypertensive heart disease	25.44 (14.21 to 28.85)	0.01	289.36 (161.58 to 328.07)	2.45 (0.91 to 2.87)	0.03	27.88 (10.35 to 32.64)
Azerbaijan	All causes	3226.37 (2905.69 to 3607.57)	1.00	31553.63 (28417.40 to 35281.76)	75.51 (71.27 to 80.24)	1.00	738.50 (696.99 to 784.76)
	Non-communicable diseases	2366.33 (2129.06 to 2643.43)	0.73	23142.57 (20822.01 to 25852.52)	65.60 (62.04 to 69.63)	0.87	641.60 (606.72 to 680.97)
	Cardiovascular diseases	844.71 (793.79 to 903.27)	0.26	8261.22 (7763.23 to 8833.88)	40.27 (38.00 to 42.88)	0.53	393.80 (371.59 to 419.34)
	Ischemic heart disease	537.72 (499.87 to 579.40)	0.17	5258.83 (4888.69 to 5666.46)	27.27 (25.53 to 29.14)	0.36	266.68 (249.64 to 285.00)
	Stroke	209.46 (193.61 to 226.08)	0.07	2048.54 (1893.48 to 2211.06)	9.71 (8.96 to 10.55)	0.13	94.97 (87.63 to 103.15)
	Ischemic stroke	54.58 (48.74 to 60.38)	0.02	533.82 (476.64 to 590.48)	2.43 (2.19 to 2.69)	0.03	23.74 (21.40 to 26.35)
	Hypertensive heart disease	14.79 (12.63 to 20.14)	0.00	144.65 (123.47 to 196.92)	0.69 (0.57 to 0.99)	0.01	6.74 (5.62 to 9.67)
Bahrain	All causes	272.66 (227.30 to 322.59)	1.00	18543.73 (15458.81 to 21939.13)	3.33 (3.09 to 3.59)	1.00	226.21 (210.12 to 244.01)
	Non-communicable diseases	225.09 (185.80 to 267.24)	0.83	15308.37 (12636.53 to 18174.73)	2.80 (2.60 to 3.02)	0.84	190.64 (176.82 to 205.53)
	Cardiovascular diseases	28.63 (25.89 to 31.47)	0.11	1947.29 (1760.51 to 2140.49)	0.96 (0.88 to 1.05)	0.29	65.38 (59.73 to 71.50)
	Ischemic heart disease	17.63 (15.87 to 19.49)	0.07	1199.25 (1079.15 to 1325.78)	0.66 (0.60 to 0.72)	0.20	44.87 (40.76 to 49.18)
	Stroke	6.05 (5.35 to 6.78)	0.02	411.31 (363.64 to 460.86)	0.17 (0.15 to 0.18)	0.05	11.42 (10.32 to 12.57)
	Ischemic stroke	2.66 (2.27 to 3.06)	0.01	181.13 (154.15 to 208.01)	0.07 (0.07 to 0.08)	0.02	4.93 (4.43 to 5.51)
	Hypertensive heart disease	0.80 (0.69 to 0.94)	0.00	54.66 (47.09 to 64.17)	0.03 (0.02 to 0.04)	0.01	1.78 (1.52 to 2.44)
Bangladesh	All causes	45956.81 (40978.61 to 51428.77)	1.00	29275.39 (26104.18 to 32761.14)	887.22 (815.99 to 963.53)	1.00	565.18 (519.80 to 613.79)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Barbados	Non-communicable diseases	28707.32 (25032.58 to 32720.31)	0.62	18287.13 (15946.25 to 20843.49)	649.43 (591.52 to 709.86)	0.73	413.70 (376.81 to 452.20)
	Cardiovascular diseases	7474.07 (6757.57 to 8180.23)	0.16	4761.13 (4304.70 to 5210.97)	320.56 (289.32 to 352.49)	0.36	204.20 (184.30 to 224.54)
	Ischemic heart disease	3112.83 (2766.84 to 3462.93)	0.07	1982.94 (1762.53 to 2205.96)	130.98 (117.76 to 145.43)	0.15	83.44 (75.02 to 92.64)
	Stroke	3526.65 (3195.31 to 3878.88)	0.08	2246.54 (2035.47 to 2470.93)	161.69 (146.41 to 178.60)	0.18	103.00 (93.26 to 113.77)
	Ischemic stroke	1303.16 (1043.46 to 1639.70)	0.03	830.14 (664.70 to 1044.52)	69.76 (56.04 to 86.62)	0.08	44.44 (35.70 to 55.18)
	Hypertensive heart disease	200.13 (147.19 to 282.81)	0.00	127.49 (93.77 to 180.16)	9.81 (6.86 to 14.60)	0.01	6.25 (4.37 to 9.30)
	All causes	87.52 (77.65 to 98.19)	1.00	29578.63 (26245.02 to 33185.01)	2.78 (2.61 to 2.95)	1.00	938.92 (880.93 to 995.47)
	Non-communicable diseases	71.99 (63.53 to 81.24)	0.82	24330.85 (21469.78 to 27457.12)	2.39 (2.24 to 2.53)	0.86	806.69 (755.84 to 855.74)
	Cardiovascular diseases	14.91 (13.80 to 16.02)	0.17	5037.58 (4664.79 to 5414.97)	0.84 (0.78 to 0.89)	0.30	284.05 (265.12 to 302.14)
	Ischemic heart disease	5.13 (4.72 to 5.60)	0.06	1734.55 (1596.60 to 1893.31)	0.31 (0.29 to 0.34)	0.11	105.91 (97.42 to 114.43)
	Stroke	5.06 (4.64 to 5.46)	0.06	1711.46 (1569.14 to 1844.67)	0.30 (0.27 to 0.32)	0.11	100.62 (92.55 to 108.12)
	Ischemic stroke	2.14 (1.95 to 2.32)	0.02	722.22 (659.78 to 785.45)	0.14 (0.13 to 0.15)	0.05	47.67 (43.67 to 51.49)
	Hypertensive heart disease	1.03 (0.88 to 1.26)	0.01	349.28 (296.51 to 426.37)	0.06 (0.05 to 0.08)	0.02	20.01 (16.41 to 25.52)
Belarus	All causes	3701.76 (3338.56 to 4086.62)	1.00	39002.72 (35175.92 to 43057.63)	120.94 (115.83 to 126.28)	1.00	1274.26 (1220.38 to 1330.52)
Belgium	Non-communicable diseases	3057.17 (2754.08 to 3369.82)	0.83	32211.07 (29017.67 to 35505.32)	110.52 (105.85 to 115.38)	0.91	1164.46 (1115.30 to 1215.70)
	Cardiovascular diseases	1248.29 (1185.56 to 1314.11)	0.34	13152.26 (12491.32 to 13845.83)	73.01 (69.57 to 76.52)	0.60	769.30 (733.06 to 806.22)
	Ischemic heart disease	822.99 (779.51 to 869.59)	0.22	8671.25 (8213.17 to 9162.21)	52.64 (50.14 to 55.29)	0.44	554.67 (528.24 to 582.58)
	Stroke	304.84 (282.53 to 326.49)	0.08	3211.89 (2976.78 to 3439.95)	15.86 (14.91 to 16.82)	0.13	167.11 (157.14 to 177.25)
	Ischemic stroke	190.23 (173.98 to 205.61)	0.05	2004.33 (1833.13 to 2166.32)	10.62 (9.91 to 11.32)	0.09	111.93 (104.39 to 119.25)
	Hypertensive heart disease	18.74 (12.95 to 23.46)	0.01	197.40 (136.40 to 247.18)	1.01 (0.64 to 1.24)	0.01	10.60 (6.71 to 13.02)
	All causes	3193.58 (2782.02 to 3667.43)	1.00	28213.32 (24577.43 to 32399.44)	108.89 (104.22 to 113.90)	1.00	961.99 (920.71 to 1006.27)
	Non-communicable diseases	2716.26 (2356.29 to 3106.62)	0.85	23996.44 (20816.37 to 27445.10)	94.51 (90.54 to 98.91)	0.87	834.96 (799.87 to 873.83)
	Cardiovascular diseases	456.35 (425.59 to 488.08)	0.14	4031.55 (3759.83 to 4311.89)	32.19 (30.49 to 33.96)	0.30	284.42 (269.40 to 299.98)
	Ischemic heart disease	197.55 (184.93 to 211.24)	0.06	1745.25 (1633.72 to 1866.19)	15.42 (14.39 to 16.68)	0.14	136.26 (127.14 to 147.34)
	Stroke	121.46 (110.86 to 131.55)	0.04	1073.03 (979.40 to 1162.17)	8.23 (7.63 to 8.96)	0.08	72.70 (67.39 to 79.15)
	Ischemic stroke	62.88 (55.58 to 70.34)	0.02	555.54 (491.03 to 621.43)	4.15 (3.83 to 4.54)	0.04	36.69 (33.86 to 40.10)
	Hypertensive heart disease	7.77 (6.28 to 10.34)	0.00	68.67 (55.46 to 91.34)	0.68 (0.40 to 0.80)	0.01	5.98 (3.55 to 7.09)
Belize	All causes	102.33 (92.17 to 113.79)	1.00	25909.81 (23336.81 to 28811.70)	1.87 (1.81 to 1.95)	1.00	474.62 (458.84 to 492.77)
Benin	Non-communicable diseases	63.05 (55.39 to 72.14)	0.62	15964.70 (14023.03 to 18265.40)	1.25 (1.22 to 1.29)	0.67	317.46 (308.57 to 327.87)
	Cardiovascular diseases	10.23 (9.73 to 10.73)	0.10	2588.88 (2462.70 to 2716.45)	0.42 (0.41 to 0.44)	0.23	107.42 (103.57 to 111.75)
	Ischemic heart disease	3.99 (3.76 to 4.22)	0.04	1009.74 (951.82 to 1069.44)	0.19 (0.18 to 0.20)	0.10	47.40 (44.90 to 49.88)
	Stroke	2.83 (2.67 to 3.01)	0.03	717.67 (675.11 to 762.63)	0.12 (0.11 to 0.13)	0.06	30.36 (28.61 to 32.22)
	Ischemic stroke	0.89 (0.82 to 0.96)	0.01	225.80 (207.62 to 244.29)	0.04 (0.04 to 0.05)	0.02	11.03 (10.22 to 11.81)
	Hypertensive heart disease	0.90 (0.72 to 1.10)	0.01	228.72 (181.45 to 277.43)	0.04 (0.03 to 0.05)	0.02	10.51 (8.22 to 13.32)
	All causes	5617.34 (4883.54 to 6506.33)	1.00	48486.79 (42152.94 to 56160.25)	80.81 (71.22 to 91.84)	1.00	697.48 (614.74 to 792.73)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Bermuda	Non-communicable diseases	1671.25 (1417.09 to 1930.43)	0.30	14425.64 (12231.81 to 16662.76)	27.50 (23.75 to 31.60)	0.34	237.34 (204.98 to 272.75)
	Cardiovascular diseases	242.68 (207.78 to 283.80)	0.04	2094.74 (1793.44 to 2449.69)	9.22 (7.89 to 10.77)	0.11	79.60 (68.12 to 93.00)
	Ischemic heart disease	80.15 (66.12 to 96.20)	0.01	691.84 (570.75 to 830.40)	3.68 (3.08 to 4.34)	0.05	31.74 (26.58 to 37.50)
	Stroke	94.78 (78.81 to 113.26)	0.02	818.09 (680.26 to 977.63)	3.66 (3.04 to 4.36)	0.05	31.58 (26.23 to 37.65)
	Ischemic stroke	30.01 (24.68 to 36.38)	0.01	259.00 (213.02 to 314.02)	1.35 (1.12 to 1.64)	0.02	11.66 (9.64 to 14.12)
	Hypertensive heart disease	11.50 (6.13 to 17.43)	0.00	99.27 (52.95 to 150.45)	0.46 (0.25 to 0.71)	0.01	3.99 (2.14 to 6.09)
	All causes	16.81 (14.69 to 19.19)	1.00	25512.08 (22292.74 to 29124.12)	0.53 (0.50 to 0.56)	1.00	798.76 (758.50 to 843.55)
	Non-communicable diseases	14.53 (12.70 to 16.58)	0.86	22054.79 (19283.05 to 25169.28)	0.48 (0.45 to 0.51)	0.91	724.65 (687.76 to 766.81)
	Cardiovascular diseases	3.05 (2.87 to 3.24)	0.18	4634.10 (4348.86 to 4917.66)	0.18 (0.17 to 0.20)	0.35	280.07 (264.28 to 296.47)
	Ischemic heart disease	1.50 (1.41 to 1.60)	0.09	2276.81 (2135.97 to 2431.98)	0.10 (0.09 to 0.11)	0.19	149.30 (139.64 to 159.66)
	Stroke	0.67 (0.62 to 0.73)	0.04	1019.12 (944.48 to 1101.20)	0.04 (0.04 to 0.04)	0.08	60.12 (55.63 to 65.10)
Bhutan	Ischemic stroke	0.34 (0.30 to 0.37)	0.02	509.10 (462.00 to 557.23)	0.02 (0.02 to 0.02)	0.04	32.21 (29.62 to 35.37)
	Hypertensive heart disease	0.14 (0.11 to 0.17)	0.01	220.06 (166.30 to 254.40)	0.01 (0.01 to 0.01)	0.02	12.97 (8.47 to 15.10)
	All causes	232.23 (201.04 to 268.38)	1.00	24255.56 (20998.55 to 28032.32)	4.14 (3.60 to 4.70)	1.00	432.40 (376.41 to 490.43)
	Non-communicable diseases	144.85 (122.07 to 169.61)	0.62	15129.17 (12749.88 to 17715.76)	2.94 (2.48 to 3.40)	0.71	306.56 (259.08 to 354.84)
	Cardiovascular diseases	27.38 (22.52 to 32.22)	0.12	2860.00 (2352.02 to 3365.57)	1.16 (0.96 to 1.36)	0.28	120.79 (100.74 to 142.50)
	Ischemic heart disease	14.79 (11.60 to 17.94)	0.06	1544.63 (1211.55 to 1873.81)	0.65 (0.52 to 0.78)	0.16	67.75 (54.76 to 81.36)
	Stroke	7.52 (5.98 to 9.35)	0.03	785.19 (624.29 to 976.32)	0.33 (0.26 to 0.41)	0.08	34.59 (27.15 to 43.18)
	Ischemic stroke	2.77 (2.17 to 3.46)	0.01	289.12 (226.91 to 361.03)	0.14 (0.10 to 0.18)	0.03	14.48 (10.85 to 18.72)
	Hypertensive heart disease	0.94 (0.68 to 1.24)	0.00	97.69 (71.24 to 129.00)	0.05 (0.03 to 0.06)	0.01	5.02 (3.61 to 6.69)
	All causes	3241.35 (2813.55 to 3695.18)	1.00	28080.68 (24374.51 to 32012.36)	66.61 (57.82 to 75.67)	1.00	577.02 (500.91 to 655.59)
	Non-communicable diseases	2001.76 (1691.73 to 2315.15)	0.62	17341.81 (14655.88 to 20056.71)	46.86 (39.66 to 53.86)	0.70	405.93 (343.57 to 466.62)
Bolivia	Cardiovascular diseases	329.04 (275.10 to 382.87)	0.10	2850.57 (2383.30 to 3316.89)	15.27 (12.86 to 17.84)	0.23	132.33 (111.40 to 154.53)
	Ischemic heart disease	154.03 (127.77 to 185.46)	0.05	1334.36 (1106.94 to 1606.71)	8.02 (6.71 to 9.57)	0.12	69.49 (58.16 to 82.87)
	Stroke	107.66 (88.04 to 128.00)	0.03	932.69 (762.68 to 1108.86)	4.75 (3.86 to 5.68)	0.07	41.12 (33.43 to 49.25)
	Ischemic stroke	32.38 (26.44 to 39.06)	0.01	280.55 (229.10 to 338.41)	1.74 (1.40 to 2.15)	0.03	15.07 (12.14 to 18.62)
	Hypertensive heart disease	15.29 (11.20 to 19.64)	0.00	132.46 (97.03 to 170.12)	0.79 (0.57 to 1.02)	0.01	6.85 (4.95 to 8.84)
	All causes	1164.81 (1035.70 to 1308.69)	1.00	34266.70 (30468.63 to 38499.35)	37.01 (35.35 to 38.82)	1.00	1088.79 (1040.04 to 1142.16)
	Non-communicable diseases	997.52 (892.03 to 1110.11)	0.86	29345.32 (26242.05 to 32657.50)	35.20 (33.61 to 36.92)	0.95	1035.62 (988.61 to 1086.07)
	Cardiovascular diseases	313.15 (294.17 to 332.85)	0.27	9212.36 (8653.92 to 9791.80)	18.11 (17.17 to 19.03)	0.49	532.69 (505.22 to 559.87)
	Ischemic heart disease	143.11 (132.41 to 152.77)	0.12	4210.19 (3895.20 to 4494.28)	8.94 (8.30 to 9.53)	0.24	263.09 (244.04 to 280.47)
	Stroke	119.30 (109.67 to 128.50)	0.10	3509.70 (3226.20 to 3780.17)	6.92 (6.36 to 7.43)	0.19	203.51 (187.21 to 218.51)
	Ischemic stroke	89.09 (79.49 to 96.87)	0.08	2620.87 (2338.47 to 2849.61)	5.37 (4.80 to 5.80)	0.14	157.84 (141.08 to 170.58)
Botswana	Hypertensive heart disease	4.79 (4.09 to 7.29)	0.00	140.87 (120.45 to 214.48)	0.26 (0.21 to 0.46)	0.01	7.65 (6.29 to 13.59)
	All causes	779.16 (690.85 to 890.76)	1.00	34146.00 (30275.78 to 39036.99)	14.26 (12.98 to 16.00)	1.00	624.84 (568.99 to 701.03)
	Non-communicable diseases	329.74 (281.83 to 380.51)	0.42	14450.45 (12350.97 to 16675.62)	6.63 (6.12 to 7.38)	0.47	290.63 (268.14 to 323.36)

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Countries	Cause	DALYs			Deaths			
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate	
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)	
Brazil	Cardiovascular diseases	55.20 (50.24 to 61.24)	0.07	2419.18 (2201.80 to 2683.86)	2.55 (2.34 to 2.84)	0.18	111.66 (102.66 to 124.29)	
	Ischemic heart disease	21.71 (19.36 to 24.64)	0.03	951.59 (848.48 to 1079.78)	1.10 (0.99 to 1.24)	0.08	48.13 (43.32 to 54.45)	
	Stroke	19.21 (17.07 to 21.69)	0.02	841.92 (748.08 to 950.68)	0.91 (0.81 to 1.03)	0.06	39.89 (35.42 to 45.35)	
	Ischemic stroke	6.41 (5.46 to 7.35)	0.01	280.73 (239.18 to 322.23)	0.34 (0.28 to 0.40)	0.02	14.78 (12.45 to 17.43)	
	Hypertensive heart disease	4.75 (3.46 to 5.99)	0.01	208.35 (151.84 to 262.66)	0.24 (0.17 to 0.30)	0.02	10.41 (7.66 to 13.19)	
	All causes	60484.38 (54413.00 to 67543.30)	1.00	28555.59 (25689.21 to 31888.22)	1349.15 (1341.19 to 1357.26)	1.00	636.95 (633.19 to 640.78)	
	Non-communicable diseases	43033.06 (37888.35 to 48885.42)	0.71	20316.56 (17887.67 to 23079.55)	1024.47 (1018.13 to 1031.57)	0.76	483.67 (480.67 to 487.02)	
	Cardiovascular diseases	8477.77 (8219.14 to 8738.29)	0.14	4002.48 (3880.38 to 4125.48)	388.27 (383.81 to 392.70)	0.29	183.31 (181.20 to 185.40)	
	Ischemic heart disease	3678.32 (3579.15 to 3768.78)	0.06	1736.59 (1689.77 to 1779.30)	175.79 (171.32 to 179.41)	0.13	82.99 (80.88 to 84.70)	
	Stroke	2594.66 (2510.57 to 2684.85)	0.04	1224.98 (1185.28 to 1267.56)	122.78 (119.90 to 125.35)	0.09	57.97 (56.61 to 59.18)	
Brunei	Ischemic stroke	846.62 (794.64 to 900.33)	0.01	399.70 (375.16 to 425.06)	47.45 (45.94 to 48.71)	0.04	22.40 (21.69 to 23.00)	
	Hypertensive heart disease	433.62 (381.16 to 572.97)	0.01	204.72 (179.95 to 270.51)	22.98 (19.06 to 30.66)	0.02	10.85 (9.00 to 14.47)	
	All causes	96.65 (85.53 to 109.49)	1.00	22350.00 (19776.89 to 25317.97)	1.88 (1.76 to 2.00)	1.00	433.58 (406.76 to 463.23)	
	Non-communicable diseases	74.35 (65.28 to 84.85)	0.77	17192.90 (15095.57 to 19620.57)	1.54 (1.44 to 1.64)	0.82	355.70 (333.67 to 379.67)	
	Cardiovascular diseases	13.33 (12.34 to 14.47)	0.14	3082.65 (2852.66 to 3346.29)	0.51 (0.47 to 0.54)	0.27	117.10 (108.70 to 125.53)	
	Ischemic heart disease	6.53 (5.97 to 7.12)	0.07	1510.17 (1380.34 to 1646.51)	0.27 (0.25 to 0.29)	0.14	62.19 (57.38 to 67.32)	
	Stroke	3.80 (3.45 to 4.17)	0.04	878.56 (797.85 to 964.76)	0.14 (0.13 to 0.15)	0.07	31.90 (29.26 to 34.68)	
	Ischemic stroke	1.28 (1.11 to 1.45)	0.01	295.13 (256.58 to 334.55)	0.05 (0.04 to 0.05)	0.03	11.01 (9.95 to 12.15)	
	Hypertensive heart disease	0.38 (0.33 to 0.43)	0.00	87.45 (77.37 to 99.24)	0.02 (0.02 to 0.02)	0.01	3.98 (3.54 to 4.57)	
	All causes	2938.97 (2663.26 to 3239.56)	1.00	41673.69 (37764.27 to 45935.94)	107.62 (102.92 to 112.03)	1.00	1526.01 (1459.35 to 1588.56)	
Bulgaria	Non-communicable diseases	2559.30 (2337.74 to 2800.05)	0.87	36290.03 (33148.48 to 39703.86)	102.17 (97.75 to 106.38)	0.95	1448.79 (1386.09 to 1508.50)	
	Cardiovascular diseases	1100.50 (1041.92 to 1154.37)	0.38	15604.73 (14774.15 to 16368.58)	65.62 (62.83 to 68.40)	0.61	930.46 (890.95 to 969.84)	
	Ischemic heart disease	528.46 (499.78 to 556.34)	0.18	7493.34 (7086.70 to 7888.75)	33.80 (32.21 to 35.53)	0.31	479.21 (456.79 to 503.85)	
	Stroke	364.85 (340.68 to 388.18)	0.12	5173.48 (4830.67 to 5504.30)	21.47 (20.33 to 22.70)	0.20	304.40 (288.31 to 321.86)	
	Ischemic stroke	210.05 (193.75 to 226.01)	0.07	2978.43 (2747.25 to 3204.81)	12.81 (12.08 to 13.63)	0.12	181.63 (171.25 to 193.25)	
	Hypertensive heart disease	89.53 (57.78 to 99.95)	0.03	1269.50 (819.25 to 1417.29)	5.66 (3.65 to 6.36)	0.05	80.31 (51.70 to 90.21)	
	All causes	12915.55 (11192.77 to 15142.03)	1.00	61147.47 (52991.13 to 71688.56)	182.84 (162.60 to 208.16)	1.00	865.65 (769.83 to 985.53)	
	Non-communicable diseases	3660.77 (3138.17 to 4333.19)	0.28	17331.56 (14857.38 to 20515.09)	60.35 (53.22 to 69.13)	0.33	285.71 (251.98 to 327.29)	
	Cardiovascular diseases	522.36 (464.09 to 582.24)	0.04	2473.08 (2197.19 to 2756.55)	19.57 (17.46 to 21.73)	0.11	92.65 (82.65 to 102.90)	
	Ischemic heart disease	215.01 (187.00 to 246.27)	0.02	1017.97 (885.35 to 1165.94)	9.51 (8.40 to 10.74)	0.05	45.02 (39.77 to 50.83)	
Burkina Faso	Stroke	157.48 (137.10 to 179.38)	0.01	745.58 (649.10 to 849.26)	5.72 (5.00 to 6.49)	0.03	27.07 (23.67 to 30.73)	
	Ischemic stroke	43.86 (35.53 to 53.97)	0.00	207.64 (168.19 to 255.52)	1.85 (1.49 to 2.30)	0.01	8.76 (7.06 to 10.89)	
	Hypertensive heart disease	30.20 (16.08 to 40.89)	0.00	142.97 (76.12 to 193.61)	1.24 (0.65 to 1.68)	0.01	5.88 (3.10 to 7.93)	
	All causes	5539.97 (4864.14 to 6324.12)	1.00	50800.22 (44602.99 to 57990.68)	81.92 (73.12 to 91.91)	1.00	751.16 (670.48 to 842.79)	
	Non-communicable diseases	1654.04 (1424.25 to 1884.43)	0.30	15167.12 (13060.01 to 17279.78)	27.17 (23.72 to 30.95)	0.33	249.15 (217.48 to 283.78)	
	Burundi	Cardiovascular diseases	522.36 (464.09 to 582.24)	0.04	2473.08 (2197.19 to 2756.55)	19.57 (17.46 to 21.73)	0.11	92.65 (82.65 to 102.90)
		Ischemic heart disease	215.01 (187.00 to 246.27)	0.02	1017.97 (885.35 to 1165.94)	9.51 (8.40 to 10.74)	0.05	45.02 (39.77 to 50.83)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Cambodia	Cardiovascular diseases	254.15 (219.38 to 294.19)	0.05	2330.50 (2011.66 to 2697.66)	9.01 (7.72 to 10.42)	0.11	82.63 (70.83 to 95.53)
	Ischemic heart disease	96.18 (80.36 to 116.75)	0.02	881.93 (736.91 to 1070.55)	3.78 (3.17 to 4.51)	0.05	34.63 (29.03 to 41.33)
	Stroke	88.48 (73.05 to 106.61)	0.02	811.32 (669.89 to 977.63)	3.25 (2.65 to 3.93)	0.04	29.76 (24.28 to 36.02)
	Ischemic stroke	20.43 (15.33 to 26.63)	0.00	187.36 (140.53 to 244.23)	0.85 (0.60 to 1.13)	0.01	7.75 (5.48 to 10.32)
	Hypertensive heart disease	23.94 (10.44 to 43.33)	0.00	219.54 (95.74 to 397.35)	1.03 (0.43 to 1.92)	0.01	9.45 (3.95 to 17.65)
	All causes	5156.12 (4618.26 to 5767.71)	1.00	31981.13 (28645.03 to 35774.57)	101.86 (93.88 to 111.13)	1.00	631.77 (582.32 to 689.27)
	Non-communicable diseases	2984.49 (2617.44 to 3383.25)	0.58	18511.48 (16234.83 to 20984.79)	64.60 (59.28 to 71.66)	0.63	400.67 (367.66 to 444.49)
	Cardiovascular diseases	598.93 (539.85 to 666.25)	0.12	3714.93 (3348.47 to 4132.46)	24.91 (22.70 to 27.76)	0.24	154.53 (140.78 to 172.20)
	Ischemic heart disease	177.69 (155.32 to 203.04)	0.03	1102.12 (963.36 to 1259.38)	7.62 (6.77 to 8.63)	0.07	47.24 (42.01 to 53.53)
	Stroke	320.12 (287.53 to 358.31)	0.06	1985.57 (1783.41 to 2222.42)	13.97 (12.64 to 15.63)	0.14	86.64 (78.40 to 96.93)
Cameroon	Ischemic stroke	103.27 (87.94 to 119.93)	0.02	640.56 (545.43 to 743.86)	5.22 (4.39 to 6.06)	0.05	32.39 (27.25 to 37.58)
	Hypertensive heart disease	32.72 (20.95 to 40.23)	0.01	202.93 (129.96 to 249.56)	1.43 (0.89 to 1.82)	0.01	8.90 (5.51 to 11.29)
	All causes	12454.24 (11013.11 to 14045.92)	1.00	44848.25 (39658.66 to 50579.95)	191.22 (169.87 to 212.94)	1.00	688.57 (611.71 to 766.79)
	Non-communicable diseases	3985.74 (3428.97 to 4615.90)	0.32	14352.82 (12347.86 to 16622.06)	68.46 (58.12 to 79.54)	0.36	246.52 (209.29 to 286.44)
	Cardiovascular diseases	624.16 (522.33 to 735.96)	0.05	2247.63 (1880.94 to 2650.21)	22.66 (18.93 to 26.59)	0.12	81.61 (68.16 to 95.74)
	Ischemic heart disease	206.52 (158.81 to 254.07)	0.02	743.68 (571.87 to 914.91)	8.88 (6.96 to 10.81)	0.05	31.97 (25.07 to 38.94)
	Stroke	237.25 (191.40 to 291.00)	0.02	854.35 (689.23 to 1047.91)	8.75 (7.13 to 10.66)	0.05	31.50 (25.67 to 38.39)
	Ischemic stroke	74.30 (59.29 to 93.99)	0.01	267.57 (213.52 to 338.46)	3.16 (2.50 to 4.04)	0.02	11.37 (8.99 to 14.55)
	Hypertensive heart disease	32.26 (16.64 to 46.91)	0.00	116.16 (59.93 to 168.91)	1.23 (0.63 to 1.80)	0.01	4.42 (2.25 to 6.49)
	All causes	9341.35 (8152.28 to 10741.64)	1.00	25960.51 (22655.97 to 29852.06)	279.40 (267.87 to 291.87)	1.00	776.49 (744.43 to 811.14)
Canada	Non-communicable diseases	8022.67 (6984.88 to 9244.50)	0.86	22295.77 (19411.65 to 25691.35)	249.59 (239.24 to 260.69)	0.89	693.64 (664.87 to 724.49)
	Cardiovascular diseases	1285.87 (1196.97 to 1378.35)	0.14	3573.56 (3326.48 to 3830.58)	80.84 (77.38 to 84.40)	0.29	224.66 (215.05 to 234.55)
	Ischemic heart disease	661.10 (625.86 to 700.88)	0.07	1837.25 (1739.34 to 1947.80)	48.38 (46.12 to 50.80)	0.17	134.45 (128.18 to 141.17)
	Stroke	320.49 (287.20 to 355.51)	0.03	890.68 (798.16 to 987.99)	18.06 (16.97 to 19.15)	0.06	50.19 (47.16 to 53.22)
	Ischemic stroke	170.57 (143.22 to 197.04)	0.02	474.03 (398.01 to 547.59)	8.57 (7.97 to 9.28)	0.03	23.82 (22.14 to 25.79)
	Hypertensive heart disease	20.47 (16.24 to 23.50)	0.00	56.88 (45.12 to 65.30)	1.22 (0.76 to 1.39)	0.00	3.40 (2.12 to 3.86)
	All causes	141.20 (124.09 to 159.23)	1.00	25869.86 (22735.03 to 29172.61)	3.00 (2.81 to 3.19)	1.00	549.89 (515.55 to 583.71)
Cape Verde	Non-communicable diseases	86.25 (74.53 to 98.86)	0.61	15801.56 (13655.51 to 18112.64)	2.05 (1.92 to 2.17)	0.68	375.71 (352.51 to 397.10)
	Cardiovascular diseases	16.13 (14.90 to 17.32)	0.11	2955.87 (2730.28 to 3173.04)	0.83 (0.78 to 0.88)	0.28	152.51 (142.47 to 161.70)
	Ischemic heart disease	7.55 (6.90 to 8.22)	0.05	1383.69 (1265.08 to 1506.65)	0.46 (0.43 to 0.50)	0.15	84.62 (78.39 to 91.38)
	Stroke	4.55 (4.00 to 5.13)	0.03	834.42 (733.25 to 940.29)	0.22 (0.19 to 0.25)	0.07	40.02 (34.94 to 44.95)
	Ischemic stroke	1.52 (1.33 to 1.73)	0.01	278.93 (242.95 to 316.40)	0.08 (0.07 to 0.09)	0.03	15.14 (13.16 to 17.32)
	Hypertensive heart disease	0.62 (0.54 to 0.72)	0.00	114.29 (99.61 to 131.65)	0.03 (0.02 to 0.04)	0.01	5.22 (4.53 to 6.64)
	All causes	4146.02 (3600.28 to 4840.23)	1.00	89691.78 (77885.67 to 104709.86)	63.85 (55.93 to 72.47)	1.00	1381.33 (1209.93 to 1567.81)
Central African Republic	Non-communicable diseases	1001.65 (849.44 to 1152.50)	0.24	21668.98 (18376.07 to 24932.34)	18.04 (15.20 to 20.91)	0.28	390.31 (328.86 to 452.28)
	Cardiovascular diseases	212.28 (174.51 to 247.47)	0.05	4592.20 (3775.12 to 5353.60)	7.28 (5.92 to 8.42)	0.11	157.45 (128.09 to 182.07)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Chad	Ischemic heart disease	83.48 (66.90 to 101.46)	0.02	1806.02 (1447.30 to 2195.00)	3.10 (2.51 to 3.68)	0.05	67.11 (54.38 to 79.64)
	Stroke	74.71 (60.45 to 90.77)	0.02	1616.27 (1307.64 to 1963.68)	2.60 (2.08 to 3.16)	0.04	56.18 (44.92 to 68.44)
	Ischemic stroke	17.31 (13.15 to 21.92)	0.00	374.40 (284.53 to 474.10)	0.69 (0.51 to 0.89)	0.01	15.01 (11.07 to 19.21)
	Hypertensive heart disease	17.67 (8.64 to 26.05)	0.00	382.22 (186.86 to 563.65)	0.69 (0.34 to 1.02)	0.01	15.00 (7.35 to 22.05)
	All causes	10881.72 (9579.65 to 12386.54)	1.00	71486.42 (62932.58 to 81372.18)	146.65 (130.96 to 164.49)	1.00	963.42 (860.31 to 1080.60)
	Non-communicable diseases	2270.79 (1956.28 to 2604.75)	0.21	14917.71 (12851.60 to 17111.62)	36.88 (32.69 to 41.47)	0.25	242.30 (214.73 to 272.46)
	Cardiovascular diseases	366.21 (322.18 to 415.38)	0.03	2405.80 (2116.55 to 2728.79)	13.09 (11.49 to 14.84)	0.09	86.02 (75.49 to 97.49)
	Ischemic heart disease	122.42 (100.85 to 146.93)	0.01	804.25 (662.50 to 965.24)	5.44 (4.54 to 6.49)	0.04	35.76 (29.79 to 42.62)
	Stroke	139.91 (118.12 to 165.93)	0.01	919.09 (776.00 to 1090.08)	5.08 (4.28 to 6.02)	0.03	33.38 (28.12 to 39.58)
Chile	Ischemic stroke	44.78 (36.46 to 54.90)	0.00	294.19 (239.52 to 360.66)	1.94 (1.57 to 2.40)	0.01	12.76 (10.31 to 15.74)
	Hypertensive heart disease	14.83 (8.09 to 21.69)	0.00	97.41 (53.18 to 142.52)	0.58 (0.32 to 0.85)	0.00	3.84 (2.07 to 5.61)
	All causes	4407.72 (3829.53 to 5053.27)	1.00	24599.10 (21372.24 to 28201.83)	112.32 (102.86 to 122.69)	1.00	626.83 (574.07 to 684.73)
	Non-communicable diseases	3591.61 (3101.15 to 4151.74)	0.81	20044.45 (17307.25 to 23170.47)	96.32 (88.11 to 105.05)	0.86	537.54 (491.72 to 586.26)
	Cardiovascular diseases	546.57 (496.42 to 600.21)	0.12	3050.38 (2770.46 to 3349.69)	29.91 (27.36 to 32.57)	0.27	166.90 (152.69 to 181.77)
	Ischemic heart disease	210.68 (190.05 to 235.12)	0.05	1175.80 (1060.66 to 1312.19)	12.30 (11.20 to 13.57)	0.11	68.65 (62.51 to 75.72)
	Stroke	193.83 (174.99 to 214.18)	0.04	1081.74 (976.60 to 1195.33)	10.21 (9.29 to 11.20)	0.09	56.99 (51.87 to 62.52)
	Ischemic stroke	71.93 (63.41 to 80.87)	0.02	401.46 (353.89 to 451.33)	4.07 (3.67 to 4.52)	0.04	22.74 (20.48 to 25.22)
	Hypertensive heart disease	37.09 (26.96 to 42.54)	0.01	207.01 (150.47 to 237.41)	2.59 (1.60 to 2.98)	0.02	14.45 (8.94 to 16.64)
China	All causes	371485.31 (334364.57 to 413802.76)	1.00	26300.21 (23672.16 to 29296.18)	10452.10 (10151.79 to 10762.04)	1.00	739.98 (718.72 to 761.93)
	Non-communicable diseases	307002.37 (274553.65 to 344076.99)	0.83	21734.98 (19437.70 to 24359.77)	9352.91 (9076.55 to 9640.74)	0.89	662.16 (642.60 to 682.54)
	Cardiovascular diseases	85040.85 (81465.71 to 88952.44)	0.23	6020.67 (5767.56 to 6297.61)	4377.97 (4232.70 to 4517.15)	0.42	309.95 (299.66 to 319.80)
	Ischemic heart disease	30106.30 (29014.83 to 31230.36)	0.08	2131.45 (2054.18 to 2211.03)	1750.04 (1693.12 to 1811.06)	0.17	123.90 (119.87 to 128.22)
	Stroke	44291.29 (41935.45 to 46729.49)	0.12	3135.71 (2968.92 to 3308.33)	2109.77 (2042.15 to 2185.70)	0.20	149.37 (144.58 to 154.74)
	Ischemic stroke	18686.59 (16947.57 to 20397.40)	0.05	1322.96 (1199.84 to 1444.08)	851.30 (818.92 to 884.16)	0.08	60.27 (57.98 to 62.60)
	Hypertensive heart disease	4853.82 (3261.35 to 5370.19)	0.01	343.64 (230.90 to 380.20)	298.42 (188.96 to 331.21)	0.03	21.13 (13.38 to 23.45)
	All causes	10977.81 (9601.53 to 12422.95)	1.00	21692.63 (18973.05 to 24548.30)	234.22 (214.78 to 255.10)	1.00	462.82 (424.42 to 504.09)
	Non-communicable diseases	7596.54 (6481.21 to 8825.90)	0.69	15011.10 (12807.17 to 17440.38)	181.87 (167.11 to 198.65)	0.78	359.38 (330.21 to 392.53)
Colombia	Cardiovascular diseases	1299.53 (1184.18 to 1414.04)	0.12	2567.94 (2340.00 to 2794.20)	68.02 (62.29 to 74.10)	0.29	134.42 (123.09 to 146.42)
	Ischemic heart disease	666.99 (603.16 to 730.71)	0.06	1318.00 (1191.87 to 1443.92)	39.05 (35.51 to 42.60)	0.17	77.16 (70.16 to 84.17)
	Stroke	318.51 (285.61 to 351.18)	0.03	629.40 (564.38 to 693.96)	15.68 (14.03 to 17.40)	0.07	30.98 (27.72 to 34.38)
	Ischemic stroke	92.09 (81.00 to 102.80)	0.01	181.97 (160.06 to 203.14)	5.26 (4.69 to 5.88)	0.02	10.40 (9.27 to 11.62)
	Hypertensive heart disease	81.23 (67.87 to 130.66)	0.01	160.52 (134.11 to 258.20)	4.90 (4.12 to 8.29)	0.02	9.69 (8.13 to 16.38)
	All causes	236.24 (207.56 to 270.62)	1.00	32888.07 (28895.64 to 37673.33)	4.42 (3.94 to 4.90)	1.00	615.10 (549.13 to 682.76)
	Non-communicable diseases	119.80 (104.37 to 136.58)	0.51	16677.13 (14530.05 to 19013.28)	2.54 (2.24 to 2.87)	0.57	352.95 (311.43 to 399.40)
	Cardiovascular diseases	23.40 (20.13 to 27.07)	0.10	3257.54 (2802.65 to 3768.50)	0.98 (0.85 to 1.13)	0.22	136.71 (117.93 to 157.90)
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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Congo	Ischemic heart disease	10.88 (9.05 to 12.98)	0.05	1515.31 (1259.52 to 1806.68)	0.49 (0.41 to 0.58)	0.11	67.83 (56.65 to 80.35)
	Stroke	7.69 (6.48 to 9.12)	0.03	1071.24 (901.89 to 1269.69)	0.33 (0.28 to 0.39)	0.07	45.67 (38.41 to 54.70)
	Ischemic stroke	2.52 (1.95 to 3.16)	0.01	350.53 (271.16 to 439.24)	0.12 (0.09 to 0.16)	0.03	17.09 (12.98 to 21.82)
	Hypertensive heart disease	1.67 (0.95 to 2.57)	0.01	232.07 (132.59 to 357.30)	0.08 (0.04 to 0.13)	0.02	11.31 (6.25 to 17.89)
	All causes	2220.12 (1956.35 to 2511.17)	1.00	45188.09 (39819.37 to 51111.95)	37.91 (33.70 to 42.83)	1.00	771.65 (686.02 to 871.78)
	Non-communicable diseases	854.06 (724.83 to 982.04)	0.38	17383.32 (14753.12 to 19988.35)	16.38 (14.10 to 18.86)	0.43	333.38 (287.03 to 383.89)
	Cardiovascular diseases	167.78 (142.33 to 193.59)	0.08	3415.03 (2896.88 to 3940.36)	6.53 (5.60 to 7.42)	0.17	132.86 (114.02 to 151.06)
Costa Rica	Ischemic heart disease	71.00 (58.98 to 83.54)	0.03	1445.03 (1200.55 to 1700.35)	2.99 (2.52 to 3.46)	0.08	60.78 (51.25 to 70.46)
	Stroke	53.98 (44.98 to 63.79)	0.02	1098.70 (915.61 to 1298.43)	2.09 (1.76 to 2.44)	0.06	42.58 (35.72 to 49.72)
	Ischemic stroke	16.04 (12.92 to 19.58)	0.01	326.40 (262.96 to 398.58)	0.70 (0.55 to 0.88)	0.02	14.34 (11.29 to 17.81)
	Hypertensive heart disease	14.43 (7.50 to 21.67)	0.01	293.74 (152.72 to 441.16)	0.64 (0.34 to 0.92)	0.02	13.03 (6.92 to 18.63)
	All causes	997.37 (883.04 to 1136.90)	1.00	21431.68 (18974.92 to 24429.93)	23.55 (22.45 to 24.69)	1.00	506.07 (482.32 to 530.50)
	Non-communicable diseases	766.74 (669.03 to 879.36)	0.77	16475.76 (14376.14 to 18895.87)	19.75 (18.80 to 20.72)	0.84	424.49 (404.04 to 445.22)
	Cardiovascular diseases	132.40 (123.98 to 141.90)	0.13	2844.98 (2664.17 to 3049.17)	6.85 (6.45 to 7.28)	0.29	147.24 (138.68 to 156.37)
Cote d'Ivoire	Ischemic heart disease	68.57 (63.84 to 74.04)	0.07	1473.49 (1371.82 to 1590.99)	3.86 (3.59 to 4.16)	0.16	83.03 (77.05 to 89.38)
	Stroke	28.11 (25.88 to 30.53)	0.03	603.96 (556.16 to 655.97)	1.51 (1.39 to 1.64)	0.06	32.42 (29.78 to 35.28)
	Ischemic stroke	10.69 (9.67 to 11.76)	0.01	229.65 (207.70 to 252.75)	0.68 (0.61 to 0.75)	0.03	14.58 (13.15 to 16.07)
	Hypertensive heart disease	9.11 (7.63 to 10.56)	0.01	195.79 (163.99 to 226.88)	0.58 (0.43 to 0.67)	0.02	12.37 (9.35 to 14.37)
	All causes	12579.14 (11218.42 to 14075.34)	1.00	50386.54 (44936.07 to 56379.67)	185.07 (165.63 to 204.57)	1.00	741.31 (663.42 to 819.42)
	Non-communicable diseases	3909.50 (3420.84 to 4488.40)	0.31	15659.76 (13702.41 to 17978.56)	63.30 (55.35 to 71.35)	0.34	253.53 (221.71 to 285.78)
	Cardiovascular diseases	729.54 (632.92 to 830.11)	0.06	2922.22 (2535.20 to 3325.06)	25.09 (21.78 to 28.62)	0.14	100.51 (87.25 to 114.62)
Croatia	Ischemic heart disease	296.88 (251.39 to 346.31)	0.02	1189.16 (1006.95 to 1387.18)	11.77 (10.08 to 13.59)	0.06	47.13 (40.39 to 54.42)
	Stroke	264.40 (226.82 to 304.22)	0.02	1059.07 (908.55 to 1218.57)	9.04 (7.68 to 10.44)	0.05	36.22 (30.77 to 41.82)
	Ischemic stroke	74.20 (61.58 to 88.02)	0.01	297.22 (246.68 to 352.56)	2.90 (2.38 to 3.48)	0.02	11.61 (9.53 to 13.93)
	Hypertensive heart disease	28.12 (14.98 to 43.02)	0.00	112.63 (60.01 to 172.33)	1.00 (0.51 to 1.54)	0.01	4.01 (2.04 to 6.17)
	All causes	1440.95 (1286.95 to 1619.81)	1.00	33702.43 (30100.61 to 37885.93)	51.21 (48.81 to 53.72)	1.00	1197.77 (1141.59 to 1256.42)
	Non-communicable diseases	1239.02 (1112.18 to 1385.61)	0.86	28979.61 (26012.94 to 32408.08)	47.73 (45.50 to 50.12)	0.93	1116.35 (1064.30 to 1172.17)
	Cardiovascular diseases	352.07 (332.74 to 372.93)	0.24	8234.61 (7782.47 to 8722.43)	23.43 (22.26 to 24.64)	0.46	547.91 (520.66 to 576.24)
Cuba	Ischemic heart disease	177.30 (168.06 to 188.34)	0.12	4146.88 (3930.78 to 4404.99)	13.00 (12.30 to 13.89)	0.25	304.12 (287.70 to 324.78)
	Stroke	113.90 (105.73 to 122.18)	0.08	2663.95 (2473.02 to 2857.67)	6.86 (6.42 to 7.37)	0.13	160.56 (150.21 to 172.42)
	Ischemic stroke	61.95 (55.79 to 68.11)	0.04	1448.94 (1304.91 to 1593.00)	3.76 (3.49 to 4.06)	0.07	87.83 (81.58 to 94.87)
	Hypertensive heart disease	17.64 (12.10 to 19.71)	0.01	412.52 (282.96 to 461.09)	1.35 (0.78 to 1.51)	0.03	31.58 (18.33 to 35.43)
	All causes	3170.96 (2809.68 to 3565.83)	1.00	27872.50 (24696.85 to 31343.37)	101.44 (93.21 to 110.75)	1.00	891.69 (819.31 to 973.44)
	Non-communicable diseases	2656.11 (2349.46 to 2997.83)	0.84	23346.98 (20651.60 to 26350.65)	86.76 (79.59 to 94.68)	0.86	762.60 (699.63 to 832.26)
	Cardiovascular diseases	647.56 (589.45 to 704.62)	0.20	5691.96 (5181.17 to 6193.56)	37.60 (34.35 to 41.10)	0.37	330.49 (301.91 to 361.26)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Cyprus	Ischemic heart disease	338.91 (307.58 to 373.74)	0.11	2979.01 (2703.64 to 3285.18)	21.24 (19.40 to 23.30)	0.21	186.74 (170.54 to 204.81)
	Stroke	172.40 (155.55 to 191.57)	0.05	1515.37 (1367.28 to 1683.85)	9.87 (8.91 to 10.95)	0.10	86.78 (78.33 to 96.21)
	Ischemic stroke	89.58 (80.94 to 98.60)	0.03	787.42 (711.44 to 866.68)	5.86 (5.28 to 6.45)	0.06	51.48 (46.37 to 56.74)
	Hypertensive heart disease	35.13 (21.07 to 40.52)	0.01	308.77 (185.22 to 356.17)	1.97 (1.05 to 2.29)	0.02	17.28 (9.21 to 20.10)
	All causes	290.67 (249.83 to 336.76)	1.00	23020.89 (19786.79 to 26671.48)	7.74 (7.24 to 8.29)	1.00	612.83 (573.79 to 656.54)
	Non-communicable diseases	248.86 (213.04 to 287.79)	0.86	19709.61 (16872.44 to 22792.85)	7.05 (6.60 to 7.55)	0.91	558.18 (522.38 to 598.04)
	Cardiovascular diseases	46.26 (42.15 to 50.55)	0.16	3663.93 (3338.57 to 4003.73)	2.71 (2.51 to 2.96)	0.35	214.27 (198.55 to 234.29)
	Ischemic heart disease	25.46 (23.00 to 28.50)	0.09	2016.44 (1821.44 to 2256.87)	1.51 (1.38 to 1.71)	0.20	119.57 (109.08 to 135.25)
Czech Republic	Stroke	9.97 (8.95 to 11.00)	0.03	789.54 (708.64 to 871.48)	0.59 (0.54 to 0.68)	0.08	47.06 (42.80 to 53.90)
	Ischemic stroke	4.43 (3.85 to 4.97)	0.02	350.70 (304.96 to 393.99)	0.27 (0.24 to 0.32)	0.04	21.46 (19.27 to 25.07)
	Hypertensive heart disease	1.26 (0.92 to 1.44)	0.00	99.50 (73.15 to 114.07)	0.11 (0.05 to 0.13)	0.01	8.74 (4.12 to 10.32)
	All causes	3402.78 (3001.47 to 3881.69)	1.00	32123.76 (28335.16 to 36644.80)	110.50 (105.46 to 115.82)	1.00	1043.17 (995.62 to 1093.41)
	Non-communicable diseases	2820.64 (2514.35 to 3187.48)	0.83	26628.06 (23736.57 to 30091.16)	101.13 (96.46 to 105.95)	0.92	954.72 (910.60 to 1000.19)
	Cardiovascular diseases	776.76 (725.75 to 826.23)	0.23	7332.91 (6851.35 to 7800.01)	48.96 (46.60 to 51.48)	0.44	462.20 (439.93 to 485.97)
	Ischemic heart disease	434.38 (408.72 to 461.30)	0.13	4100.77 (3858.45 to 4354.89)	31.72 (30.16 to 33.46)	0.29	299.50 (284.71 to 315.87)
	Stroke	186.63 (169.23 to 202.27)	0.05	1761.90 (1597.58 to 1909.51)	10.48 (9.83 to 11.12)	0.09	98.97 (92.79 to 104.96)
Democratic Republic of the Congo	Ischemic stroke	126.32 (112.82 to 138.46)	0.04	1192.52 (1065.03 to 1307.14)	7.15 (6.70 to 7.60)	0.06	67.50 (63.27 to 71.74)
	Hypertensive heart disease	20.62 (16.98 to 25.19)	0.01	194.67 (160.32 to 237.77)	1.23 (0.97 to 1.54)	0.01	11.65 (9.13 to 14.51)
	All causes	44299.93 (39192.40 to 50132.34)	1.00	54769.25 (48454.67 to 61980.02)	642.87 (577.58 to 715.30)	1.00	794.80 (714.08 to 884.34)
	Non-communicable diseases	13536.93 (11527.33 to 15569.71)	0.31	16736.09 (14251.57 to 19249.28)	226.12 (195.51 to 257.21)	0.35	279.55 (241.71 to 318.00)
	Cardiovascular diseases	2184.71 (1881.05 to 2483.94)	0.05	2701.02 (2325.60 to 3070.97)	83.26 (72.08 to 94.83)	0.13	102.94 (89.12 to 117.24)
	Ischemic heart disease	872.46 (730.78 to 1030.81)	0.02	1078.65 (903.49 to 1274.42)	36.69 (30.81 to 43.00)	0.06	45.37 (38.09 to 53.16)
	Stroke	731.23 (607.86 to 861.51)	0.02	904.04 (751.51 to 1065.10)	28.10 (23.51 to 33.30)	0.04	34.74 (29.07 to 41.16)
	Ischemic stroke	197.22 (155.37 to 242.99)	0.00	243.83 (192.09 to 300.42)	8.83 (6.67 to 11.21)	0.01	10.92 (8.24 to 13.86)
Denmark	Hypertensive heart disease	192.75 (109.70 to 291.49)	0.00	238.30 (135.62 to 360.38)	8.82 (4.98 to 14.03)	0.01	10.91 (6.16 to 17.34)
	All causes	1611.42 (1408.02 to 1841.96)	1.00	28111.42 (24563.03 to 32133.14)	54.22 (51.63 to 56.82)	1.00	945.80 (900.71 to 991.15)
	Non-communicable diseases	1420.73 (1245.58 to 1621.23)	0.88	24784.68 (21729.26 to 28282.41)	48.86 (46.53 to 51.18)	0.90	852.33 (811.73 to 892.91)
	Cardiovascular diseases	210.87 (196.30 to 225.50)	0.13	3678.62 (3424.55 to 3933.81)	14.52 (13.82 to 15.34)	0.27	253.38 (241.02 to 267.64)
	Ischemic heart disease	89.24 (83.56 to 95.82)	0.06	1556.83 (1457.62 to 1671.58)	6.92 (6.52 to 7.40)	0.13	120.71 (113.70 to 129.12)
	Stroke	62.91 (57.79 to 68.17)	0.04	1097.47 (1008.14 to 1189.29)	4.08 (3.82 to 4.39)	0.08	71.22 (66.64 to 76.65)
	Ischemic stroke	33.31 (29.77 to 36.84)	0.02	581.10 (519.37 to 642.64)	2.19 (2.03 to 2.38)	0.04	38.25 (35.36 to 41.60)
	Hypertensive heart disease	3.15 (2.64 to 3.86)	0.00	55.03 (46.07 to 67.28)	0.25 (0.16 to 0.28)	0.00	4.35 (2.83 to 4.95)
Djibouti	All causes	374.35 (301.92 to 474.89)	1.00	33630.96 (27124.18 to 42663.69)	6.23 (4.80 to 8.17)	1.00	559.42 (431.02 to 733.84)
	Non-communicable diseases	168.48 (134.43 to 208.28)	0.45	15135.74 (12076.78 to 18711.77)	3.00 (2.27 to 3.99)	0.48	269.73 (203.51 to 358.55)
	Cardiovascular diseases	30.15 (22.79 to 39.65)	0.08	2708.32 (2047.86 to 3562.20)	1.08 (0.81 to 1.40)	0.17	97.08 (73.20 to 126.20)
	Ischemic heart disease	14.13 (10.29 to 18.86)	0.04	1269.38 (924.87 to 1694.33)	0.54 (0.40 to 0.70)	0.09	48.45 (35.70 to 63.33)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Dominica	Stroke	9.48 (7.05 to 12.60)	0.03	852.12 (633.02 to 1132.29)	0.35 (0.26 to 0.46)	0.06	31.47 (23.05 to 41.57)
	Ischemic stroke	2.68 (1.94 to 3.64)	0.01	240.33 (174.73 to 326.93)	0.11 (0.08 to 0.15)	0.02	9.83 (6.80 to 13.87)
	Hypertensive heart disease	2.01 (1.06 to 2.97)	0.01	180.66 (95.51 to 267.07)	0.08 (0.04 to 0.12)	0.01	7.53 (3.90 to 11.01)
	All causes	23.36 (21.09 to 25.75)	1.00	33886.40 (30600.86 to 37350.31)	0.69 (0.65 to 0.72)	1.00	997.89 (947.89 to 1049.07)
	Non-communicable diseases	17.79 (15.94 to 19.74)	0.76	25811.04 (23128.81 to 28635.25)	0.58 (0.55 to 0.62)	0.85	848.45 (804.67 to 893.55)
	Cardiovascular diseases	3.96 (3.74 to 4.20)	0.17	5751.53 (5428.11 to 6096.75)	0.22 (0.21 to 0.24)	0.32	323.73 (306.05 to 342.39)
	Ischemic heart disease	1.25 (1.16 to 1.34)	0.05	1812.16 (1685.91 to 1946.21)	0.08 (0.07 to 0.08)	0.11	112.13 (104.30 to 120.67)
	Stroke	1.02 (0.95 to 1.10)	0.04	1479.40 (1375.39 to 1600.63)	0.06 (0.05 to 0.06)	0.09	85.56 (79.25 to 92.87)
Dominican Republic	Ischemic stroke	0.42 (0.39 to 0.46)	0.02	613.68 (562.93 to 670.07)	0.03 (0.03 to 0.03)	0.04	40.19 (36.64 to 44.08)
	Hypertensive heart disease	0.56 (0.47 to 0.67)	0.02	818.63 (678.88 to 978.60)	0.03 (0.03 to 0.04)	0.05	48.64 (39.90 to 60.68)
	All causes	3108.13 (2760.34 to 3493.91)	1.00	29737.85 (26410.27 to 33428.91)	67.05 (60.45 to 73.48)	1.00	641.54 (578.34 to 703.01)
	Non-communicable diseases	1906.11 (1659.81 to 2174.45)	0.61	18237.22 (15880.67 to 20804.64)	48.21 (43.03 to 53.09)	0.72	461.30 (411.74 to 507.96)
	Cardiovascular diseases	504.83 (447.19 to 564.84)	0.16	4830.14 (4278.61 to 5404.26)	23.98 (21.27 to 26.72)	0.36	229.46 (203.50 to 255.61)
	Ischemic heart disease	271.71 (236.11 to 309.50)	0.09	2599.65 (2259.05 to 2961.26)	13.62 (12.03 to 15.28)	0.20	130.28 (115.10 to 146.24)
	Stroke	148.86 (131.00 to 168.88)	0.05	1424.23 (1253.37 to 1615.83)	7.04 (6.20 to 7.92)	0.10	67.33 (59.35 to 75.79)
	Ischemic stroke	48.65 (43.12 to 54.79)	0.02	465.49 (412.52 to 524.20)	2.71 (2.38 to 3.05)	0.04	25.97 (22.78 to 29.18)
Ecuador	Hypertensive heart disease	27.34 (23.50 to 31.93)	0.01	261.61 (224.81 to 305.47)	1.43 (1.20 to 1.67)	0.02	13.71 (11.51 to 15.93)
	All causes	4035.79 (3577.03 to 4574.45)	1.00	24186.41 (21437.05 to 27414.60)	87.37 (81.32 to 94.47)	1.00	523.60 (487.34 to 566.13)
	Non-communicable diseases	2721.35 (2364.03 to 3155.89)	0.67	16308.98 (14167.56 to 18913.16)	64.65 (60.06 to 69.89)	0.74	387.47 (359.92 to 418.87)
	Cardiovascular diseases	405.98 (372.25 to 440.78)	0.10	2433.04 (2230.89 to 2641.61)	19.68 (18.19 to 21.25)	0.23	117.94 (109.01 to 127.34)
	Ischemic heart disease	172.14 (156.78 to 189.71)	0.04	1031.66 (939.60 to 1136.92)	9.28 (8.47 to 10.12)	0.11	55.60 (50.77 to 60.64)
	Stroke	123.38 (112.47 to 134.57)	0.03	739.39 (674.03 to 806.47)	5.62 (5.11 to 6.14)	0.06	33.67 (30.62 to 36.82)
	Ischemic stroke	42.53 (38.44 to 46.82)	0.01	254.91 (230.39 to 280.60)	2.37 (2.14 to 2.60)	0.03	14.19 (12.83 to 15.56)
	Hypertensive heart disease	41.74 (31.97 to 48.53)	0.01	250.16 (191.59 to 290.84)	2.49 (1.86 to 2.99)	0.03	14.94 (11.17 to 17.95)
Egypt	All causes	27099.34 (24119.16 to 30465.03)	1.00	28086.87 (24998.10 to 31575.21)	499.50 (459.01 to 543.94)	1.00	517.71 (475.73 to 563.76)
	Non-communicable diseases	19790.06 (17410.23 to 22414.07)	0.73	20511.24 (18044.68 to 23230.86)	405.51 (373.09 to 440.99)	0.81	420.29 (386.68 to 457.06)
	Cardiovascular diseases	6052.48 (5494.04 to 6684.01)	0.22	6273.04 (5694.25 to 6927.58)	232.67 (211.82 to 256.63)	0.47	241.15 (219.53 to 265.99)
	Ischemic heart disease	3966.80 (3511.85 to 4457.33)	0.15	4111.35 (3639.83 to 4619.76)	158.82 (141.34 to 176.97)	0.32	164.61 (146.49 to 183.42)
	Stroke	1372.70 (1217.13 to 1543.65)	0.05	1422.73 (1261.48 to 1599.90)	50.84 (44.97 to 57.57)	0.10	52.69 (46.61 to 59.67)
	Ischemic stroke	782.71 (681.03 to 900.88)	0.03	811.23 (705.85 to 933.70)	31.81 (27.46 to 36.67)	0.06	32.97 (28.46 to 38.01)
	Hypertensive heart disease	300.11 (139.40 to 411.50)	0.01	311.05 (144.47 to 426.49)	12.88 (5.56 to 17.26)	0.03	13.35 (5.76 to 17.88)
	All causes	1721.16 (1509.50 to 1958.26)	1.00	28276.20 (24799.03 to 32171.46)	41.52 (36.53 to 47.06)	1.00	682.08 (600.15 to 773.13)
El Salvador	Non-communicable diseases	1122.67 (972.01 to 1292.93)	0.65	18443.96 (15968.75 to 21240.96)	30.25 (26.48 to 34.56)	0.73	497.01 (435.04 to 567.75)
	Cardiovascular diseases	188.36 (164.07 to 216.84)	0.11	3094.49 (2695.47 to 3562.42)	9.84 (8.57 to 11.31)	0.24	161.74 (140.82 to 185.86)
	Ischemic heart disease	111.63 (96.08 to 129.82)	0.06	1834.00 (1578.43 to 2132.78)	6.44 (5.60 to 7.38)	0.16	105.74 (91.92 to 121.19)
	Stroke	39.52 (34.10 to 45.25)	0.02	649.19 (560.14 to 743.45)	2.02 (1.75 to 2.34)	0.05	33.17 (28.71 to 38.43)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Equatorial Guinea	Ischemic stroke	14.20 (12.35 to 16.21)	0.01	233.30 (202.82 to 266.31)	0.90 (0.77 to 1.04)	0.02	14.80 (12.72 to 17.04)
	Hypertensive heart disease	10.26 (8.62 to 12.63)	0.01	168.51 (141.61 to 207.55)	0.52 (0.42 to 0.76)	0.01	8.55 (6.91 to 12.49)
	All causes	503.45 (408.89 to 628.74)	1.00	37430.12 (30399.98 to 46745.43)	7.26 (5.56 to 9.45)	1.00	539.88 (413.45 to 702.25)
	Non-communicable diseases	166.07 (129.84 to 204.99)	0.33	12346.58 (9653.35 to 15240.88)	2.40 (1.69 to 3.26)	0.33	178.64 (125.94 to 242.20)
	Cardiovascular diseases	17.89 (12.88 to 23.73)	0.04	1330.17 (957.48 to 1764.13)	0.71 (0.51 to 0.95)	0.10	52.69 (37.57 to 70.71)
	Ischemic heart disease	5.86 (4.08 to 8.22)	0.01	435.71 (303.35 to 611.36)	0.28 (0.20 to 0.38)	0.04	20.55 (14.55 to 28.10)
	Stroke	5.44 (3.95 to 7.26)	0.01	404.37 (293.57 to 539.66)	0.21 (0.15 to 0.29)	0.03	15.96 (11.07 to 21.91)
Eritrea	Ischemic stroke	1.73 (1.32 to 2.24)	0.00	128.90 (97.88 to 166.47)	0.07 (0.05 to 0.10)	0.01	5.48 (3.78 to 7.60)
	Hypertensive heart disease	1.87 (1.03 to 2.88)	0.00	138.80 (76.27 to 214.11)	0.09 (0.05 to 0.13)	0.01	6.59 (3.64 to 9.88)
	All causes	2684.56 (2294.87 to 3100.14)	1.00	45816.84 (39166.11 to 52909.41)	41.76 (36.16 to 47.91)	1.00	712.75 (617.20 to 817.75)
	Non-communicable diseases	959.23 (813.16 to 1109.49)	0.36	16371.01 (13878.09 to 18935.46)	16.50 (13.92 to 19.17)	0.40	281.65 (237.52 to 327.22)
	Cardiovascular diseases	156.80 (132.03 to 181.64)	0.06	2676.00 (2253.38 to 3100.09)	5.21 (4.41 to 6.01)	0.12	88.93 (75.20 to 102.50)
	Ischemic heart disease	56.28 (45.50 to 67.63)	0.02	960.46 (776.46 to 1154.19)	2.01 (1.65 to 2.38)	0.05	34.31 (28.18 to 40.55)
	Stroke	57.02 (47.35 to 67.54)	0.02	973.13 (808.04 to 1152.68)	1.99 (1.63 to 2.35)	0.05	33.95 (27.85 to 40.07)
Estonia	Ischemic stroke	14.01 (10.45 to 18.32)	0.01	239.04 (178.34 to 312.59)	0.58 (0.42 to 0.76)	0.01	9.89 (7.12 to 13.02)
	Hypertensive heart disease	13.53 (7.18 to 19.93)	0.01	230.90 (122.53 to 340.09)	0.55 (0.30 to 0.83)	0.01	9.42 (5.10 to 14.10)
	All causes	449.49 (391.57 to 508.92)	1.00	34193.70 (29787.51 to 38714.44)	15.30 (13.85 to 16.78)	1.00	1163.63 (1053.90 to 1276.46)
	Non-communicable diseases	378.41 (329.47 to 427.80)	0.84	28786.57 (25063.55 to 32543.38)	14.24 (12.90 to 15.60)	0.93	1083.45 (981.69 to 1187.01)
	Cardiovascular diseases	114.61 (102.99 to 126.43)	0.26	8718.32 (7834.32 to 9617.79)	7.74 (6.97 to 8.53)	0.51	589.08 (529.85 to 649.13)
	Ischemic heart disease	55.68 (47.68 to 72.82)	0.12	4236.01 (3627.01 to 5539.51)	4.35 (3.75 to 5.72)	0.28	330.97 (284.95 to 435.06)
	Stroke	22.70 (19.46 to 27.82)	0.05	1726.83 (1480.35 to 2116.51)	1.12 (0.96 to 1.49)	0.07	85.53 (73.09 to 113.47)
Ethiopia	Ischemic stroke	16.77 (14.33 to 20.11)	0.04	1275.87 (1090.13 to 1529.64)	0.85 (0.73 to 1.11)	0.06	64.59 (55.36 to 84.20)
	Hypertensive heart disease	20.98 (4.98 to 26.02)	0.05	1595.99 (378.53 to 1979.14)	1.60 (0.28 to 2.02)	0.10	122.04 (21.06 to 153.67)
	All causes	37827.92 (34540.71 to 41082.48)	1.00	36767.57 (33572.50 to 39930.89)	536.99 (511.09 to 566.67)	1.00	521.94 (496.77 to 550.79)
	Non-communicable diseases	12376.23 (10770.38 to 14204.30)	0.33	12029.31 (10468.47 to 13806.14)	196.67 (182.16 to 209.05)	0.37	191.16 (177.05 to 203.19)
	Cardiovascular diseases	1552.45 (1411.81 to 1704.33)	0.04	1508.93 (1372.24 to 1656.56)	58.72 (53.18 to 65.23)	0.11	57.07 (51.69 to 63.40)
	Ischemic heart disease	613.13 (530.06 to 699.56)	0.02	595.95 (515.20 to 679.95)	26.17 (22.17 to 30.37)	0.05	25.43 (21.55 to 29.51)
	Stroke	496.02 (431.63 to 563.76)	0.01	482.11 (419.53 to 547.96)	19.84 (16.84 to 23.14)	0.04	19.28 (16.37 to 22.49)
Federated States of Micronesia	Ischemic stroke	135.73 (101.24 to 173.64)	0.00	131.92 (98.41 to 168.77)	6.01 (4.11 to 8.04)	0.01	5.84 (3.99 to 7.81)
	Hypertensive heart disease	124.62 (69.09 to 191.93)	0.00	121.13 (67.15 to 186.55)	5.89 (3.16 to 9.28)	0.01	5.73 (3.07 to 9.02)
	All causes	36.17 (32.09 to 41.01)	1.00	34801.23 (30881.06 to 39459.28)	0.75 (0.67 to 0.83)	1.00	719.11 (642.66 to 799.78)
	Non-communicable diseases	25.11 (21.11 to 29.07)	0.69	24165.37 (20312.42 to 27976.43)	0.58 (0.49 to 0.65)	0.77	555.55 (476.01 to 629.13)
	Cardiovascular diseases	7.63 (6.13 to 8.90)	0.21	7338.15 (5900.36 to 8568.31)	0.27 (0.23 to 0.30)	0.35	255.24 (218.33 to 290.10)
	Ischemic heart disease	3.57 (2.86 to 4.22)	0.10	3431.72 (2750.06 to 4061.29)	0.13 (0.11 to 0.15)	0.18	127.04 (108.69 to 146.17)
	Stroke	2.57 (2.06 to 3.03)	0.07	2474.87 (1979.01 to 2920.12)	0.09 (0.07 to 0.10)	0.12	85.44 (71.54 to 98.67)
	Ischemic stroke	0.62 (0.51 to 0.73)	0.02	595.54 (493.52 to 702.37)	0.02 (0.02 to 0.03)	0.03	23.51 (19.64 to 27.66)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Fiji	Hypertensive heart disease	0.37 (0.25 to 0.49)	0.01	351.85 (238.01 to 467.83)	0.01 (0.01 to 0.02)	0.02	13.09 (9.02 to 16.82)
	All causes	326.30 (290.09 to 365.63)	1.00	35978.20 (31985.21 to 40314.74)	7.25 (6.51 to 8.01)	1.00	799.67 (717.76 to 883.70)
	Non-communicable diseases	246.91 (219.82 to 278.41)	0.76	27224.40 (24237.88 to 30697.33)	6.09 (5.44 to 6.75)	0.84	671.82 (599.91 to 744.40)
	Cardiovascular diseases	70.53 (63.13 to 79.08)	0.22	7776.84 (6961.15 to 8719.51)	2.55 (2.28 to 2.85)	0.35	281.52 (251.24 to 314.20)
	Ischemic heart disease	37.69 (33.19 to 42.67)	0.12	4155.29 (3659.77 to 4704.54)	1.44 (1.27 to 1.62)	0.20	158.51 (140.31 to 178.47)
	Stroke	14.79 (13.21 to 16.63)	0.05	1631.11 (1456.32 to 1833.46)	0.54 (0.47 to 0.60)	0.07	59.00 (52.26 to 66.37)
	Ischemic stroke	4.90 (4.31 to 5.54)	0.02	540.47 (475.26 to 610.53)	0.18 (0.16 to 0.21)	0.03	20.33 (17.90 to 23.05)
Finland	Hypertensive heart disease	4.68 (3.99 to 5.56)	0.01	515.92 (439.92 to 613.45)	0.19 (0.16 to 0.22)	0.03	20.46 (17.45 to 24.42)
	All causes	1605.24 (1406.27 to 1834.21)	1.00	29091.06 (25485.20 to 33240.57)	55.07 (52.68 to 57.86)	1.00	998.03 (954.61 to 1048.59)
	Non-communicable diseases	1384.09 (1213.74 to 1582.42)	0.86	25083.31 (21996.03 to 28677.62)	50.96 (48.78 to 53.51)	0.93	923.49 (884.06 to 969.68)
	Cardiovascular diseases	304.52 (286.65 to 323.84)	0.19	5518.72 (5194.81 to 5868.75)	21.36 (20.40 to 22.46)	0.39	387.09 (369.63 to 407.12)
	Ischemic heart disease	157.59 (147.57 to 172.37)	0.10	2855.90 (2674.34 to 3123.74)	12.43 (11.71 to 13.56)	0.23	225.27 (212.21 to 245.70)
	Stroke	71.95 (65.51 to 78.75)	0.04	1303.96 (1187.12 to 1427.09)	4.57 (4.28 to 4.96)	0.08	82.86 (77.50 to 89.90)
	Ischemic stroke	46.39 (41.60 to 51.24)	0.03	840.64 (753.90 to 928.56)	3.19 (2.98 to 3.44)	0.06	57.73 (53.92 to 62.30)
France	Hypertensive heart disease	12.53 (6.25 to 14.42)	0.01	227.11 (113.18 to 261.34)	1.02 (0.39 to 1.20)	0.02	18.42 (7.03 to 21.69)
	All causes	16675.43 (14570.51 to 19111.11)	1.00	25376.30 (22173.08 to 29082.87)	579.16 (556.35 to 604.72)	1.00	881.36 (846.64 to 920.24)
	Non-communicable diseases	14228.80 (12369.72 to 16328.02)	0.85	21653.08 (18823.97 to 24847.63)	509.32 (488.75 to 532.40)	0.88	775.07 (743.77 to 810.20)
	Cardiovascular diseases	2148.33 (1982.65 to 2321.60)	0.13	3269.29 (3017.16 to 3532.96)	155.68 (148.49 to 163.99)	0.27	236.91 (225.96 to 249.56)
	Ischemic heart disease	813.22 (760.26 to 873.36)	0.05	1237.54 (1156.94 to 1329.06)	68.36 (64.26 to 74.26)	0.12	104.03 (97.78 to 113.00)
	Stroke	565.98 (516.66 to 620.96)	0.03	861.30 (786.23 to 944.97)	38.76 (36.04 to 42.15)	0.07	58.99 (54.84 to 64.15)
	Ischemic stroke	308.53 (271.60 to 346.53)	0.02	469.51 (413.31 to 527.34)	21.27 (19.63 to 23.32)	0.04	32.36 (29.88 to 35.48)
Gabon	Hypertensive heart disease	58.24 (42.77 to 67.18)	0.00	88.63 (65.09 to 102.23)	5.77 (2.72 to 6.70)	0.01	8.78 (4.13 to 10.20)
	All causes	625.61 (553.38 to 701.70)	1.00	36741.67 (32499.56 to 41210.66)	11.14 (10.09 to 12.19)	1.00	653.97 (592.64 to 715.77)
	Non-communicable diseases	293.59 (253.21 to 337.87)	0.47	17242.52 (14870.75 to 19843.01)	5.94 (5.27 to 6.61)	0.53	348.69 (309.79 to 388.11)
	Cardiovascular diseases	51.76 (45.50 to 58.72)	0.08	3040.02 (2672.33 to 3448.67)	2.23 (1.97 to 2.51)	0.20	130.95 (115.87 to 147.53)
	Ischemic heart disease	22.13 (19.04 to 25.70)	0.04	1299.98 (1118.00 to 1509.48)	1.03 (0.90 to 1.18)	0.09	60.78 (52.77 to 69.48)
	Stroke	15.50 (13.38 to 18.02)	0.02	910.12 (785.73 to 1058.40)	0.66 (0.58 to 0.77)	0.06	38.89 (33.83 to 45.33)
	Ischemic stroke	4.75 (3.91 to 5.64)	0.01	278.87 (229.79 to 331.46)	0.23 (0.19 to 0.28)	0.02	13.50 (11.13 to 16.30)
Georgia	Hypertensive heart disease	4.54 (2.48 to 6.04)	0.01	266.78 (145.68 to 354.59)	0.23 (0.12 to 0.30)	0.02	13.30 (7.07 to 17.83)
	All causes	1435.11 (1317.17 to 1569.20)	1.00	38878.07 (35682.88 to 42510.65)	50.56 (49.32 to 51.70)	1.00	1369.80 (1336.19 to 1400.59)
	Non-communicable diseases	1204.98 (1107.40 to 1317.27)	0.84	32643.66 (30000.00 to 35685.57)	46.82 (45.67 to 47.93)	0.93	1268.37 (1237.30 to 1298.41)
	Cardiovascular diseases	494.71 (478.06 to 511.26)	0.35	13401.87 (12950.88 to 13850.41)	29.99 (29.21 to 30.78)	0.59	812.43 (791.33 to 833.75)
	Ischemic heart disease	239.06 (228.47 to 251.79)	0.17	6476.20 (6189.25 to 6821.03)	15.01 (14.33 to 16.07)	0.30	406.60 (388.16 to 435.38)
	Stroke	172.89 (163.34 to 184.19)	0.12	4683.62 (4425.02 to 4989.69)	10.21 (9.72 to 11.05)	0.20	276.65 (263.19 to 299.43)
	Ischemic stroke	62.18 (57.14 to 67.93)	0.04	1684.55 (1547.83 to 1840.16)	3.78 (3.52 to 4.16)	0.07	102.48 (95.34 to 112.61)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Germany	Hypertensive heart disease	38.87 (19.87 to 44.06)	0.03	1053.02 (538.23 to 1193.62)	2.83 (1.10 to 3.29)	0.06	76.76 (29.83 to 89.04)
	All causes	25683.27 (22530.57 to 29380.02)	1.00	30834.29 (27049.29 to 35272.46)	947.31 (870.02 to 1026.31)	1.00	1137.30 (1044.51 to 1232.15)
Ghana	Non-communicable diseases	22727.10 (19944.08 to 26050.38)	0.88	27285.23 (23944.05 to 31275.02)	875.09 (804.22 to 947.61)	0.92	1050.60 (965.51 to 1137.66)
	Cardiovascular diseases	4838.02 (4457.85 to 5250.18)	0.19	5808.32 (5351.91 to 6303.15)	356.36 (327.97 to 385.36)	0.38	427.83 (393.75 to 462.65)
	Ischemic heart disease	2378.65 (2169.44 to 2620.31)	0.09	2855.71 (2604.55 to 3145.84)	192.86 (176.28 to 211.62)	0.20	231.55 (211.64 to 254.07)
	Stroke	1023.38 (917.52 to 1126.22)	0.04	1228.63 (1101.54 to 1352.10)	65.55 (59.48 to 72.72)	0.07	78.70 (71.41 to 87.30)
	Ischemic stroke	623.07 (549.44 to 691.33)	0.02	748.03 (659.64 to 829.98)	40.03 (36.19 to 44.49)	0.04	48.06 (43.45 to 53.41)
	Hypertensive heart disease	251.86 (187.09 to 287.18)	0.01	302.37 (224.61 to 344.78)	24.78 (12.96 to 28.84)	0.03	29.74 (15.55 to 34.62)
	All causes	12014.16 (10804.46 to 13389.63)	1.00	39775.01 (35770.10 to 44328.74)	201.64 (185.65 to 219.69)	1.00	667.56 (614.63 to 727.34)
	Non-communicable diseases	4746.70 (4149.58 to 5426.26)	0.40	15714.79 (13737.92 to 17964.59)	88.80 (79.48 to 98.57)	0.44	294.00 (263.14 to 326.34)
	Cardiovascular diseases	948.20 (836.08 to 1069.40)	0.08	3139.17 (2768.00 to 3540.45)	36.61 (32.49 to 41.08)	0.18	121.22 (107.56 to 136.00)
	Ischemic heart disease	351.36 (306.89 to 401.95)	0.03	1163.23 (1016.02 to 1330.72)	15.51 (13.64 to 17.60)	0.08	51.34 (45.15 to 58.27)
Greece	Stroke	389.88 (337.79 to 447.58)	0.03	1290.77 (1118.33 to 1481.79)	15.15 (13.17 to 17.34)	0.08	50.15 (43.61 to 57.42)
	Ischemic stroke	146.62 (125.92 to 169.65)	0.01	485.40 (416.89 to 561.66)	6.52 (5.60 to 7.49)	0.03	21.58 (18.54 to 24.80)
	Hypertensive heart disease	33.02 (17.15 to 53.00)	0.00	109.32 (56.77 to 175.46)	1.29 (0.66 to 2.09)	0.01	4.27 (2.19 to 6.92)
	All causes	3165.01 (2788.61 to 3581.20)	1.00	30425.98 (26807.54 to 34426.91)	120.26 (114.93 to 125.59)	1.00	1156.07 (1104.88 to 1207.37)
	Non-communicable diseases	2802.15 (2468.44 to 3161.22)	0.89	26937.70 (23729.70 to 30389.62)	111.58 (106.60 to 116.54)	0.93	1072.63 (1024.80 to 1120.36)
	Cardiovascular diseases	698.11 (657.55 to 737.37)	0.22	6711.11 (6321.16 to 7088.55)	50.90 (48.40 to 53.39)	0.42	489.27 (465.27 to 513.27)
	Ischemic heart disease	352.65 (333.66 to 371.40)	0.11	3390.09 (3207.55 to 3570.33)	25.73 (24.41 to 27.18)	0.21	247.30 (234.63 to 261.25)
	Stroke	214.89 (199.32 to 230.04)	0.07	2065.83 (1916.11 to 2211.47)	16.86 (15.78 to 18.05)	0.14	162.08 (151.66 to 173.51)
	Ischemic stroke	101.60 (92.18 to 110.59)	0.03	976.72 (886.13 to 1063.11)	8.43 (7.77 to 9.09)	0.07	81.01 (74.67 to 87.41)
	Hypertensive heart disease	21.79 (13.84 to 24.63)	0.01	209.44 (133.07 to 236.81)	1.89 (0.89 to 2.20)	0.02	18.20 (8.51 to 21.17)
Greenland	All causes	18.58 (16.80 to 20.61)	1.00	33089.18 (29910.89 to 36695.98)	0.45 (0.43 to 0.47)	1.00	798.96 (762.38 to 831.50)
	Non-communicable diseases	14.02 (12.50 to 15.71)	0.75	24968.17 (22252.40 to 27981.57)	0.36 (0.34 to 0.37)	0.80	637.95 (607.13 to 664.36)
	Cardiovascular diseases	2.52 (2.36 to 2.68)	0.14	4493.03 (4206.84 to 4777.18)	0.11 (0.11 to 0.12)	0.25	200.17 (187.72 to 213.14)
	Ischemic heart disease	1.09 (1.01 to 1.18)	0.06	1944.26 (1802.94 to 2094.97)	0.05 (0.05 to 0.06)	0.12	93.66 (86.99 to 101.44)
	Stroke	0.87 (0.80 to 0.95)	0.05	1553.87 (1418.30 to 1694.76)	0.04 (0.03 to 0.04)	0.08	67.00 (61.55 to 73.01)
	Ischemic stroke	0.31 (0.27 to 0.36)	0.02	556.13 (475.74 to 635.51)	0.01 (0.01 to 0.01)	0.03	21.93 (19.58 to 24.55)
	Hypertensive heart disease	0.07 (0.06 to 0.08)	0.00	123.06 (98.28 to 139.81)	0.00 (0.00 to 0.00)	0.01	5.00 (4.02 to 5.81)
	All causes	35.12 (31.80 to 39.01)	1.00	31670.58 (28682.15 to 35178.15)	1.14 (1.09 to 1.20)	1.00	1029.38 (979.47 to 1079.70)
	Non-communicable diseases	28.25 (25.43 to 31.43)	0.80	25479.85 (22931.17 to 28345.11)	0.97 (0.92 to 1.02)	0.85	874.80 (832.36 to 918.68)
	Cardiovascular diseases	7.25 (6.88 to 7.62)	0.21	6534.88 (6206.15 to 6868.61)	0.41 (0.39 to 0.43)	0.36	370.36 (350.58 to 390.90)
Grenada	Ischemic heart disease	2.93 (2.77 to 3.10)	0.08	2641.36 (2494.65 to 2799.29)	0.17 (0.16 to 0.19)	0.15	156.57 (146.95 to 167.05)
	Stroke	2.30 (2.16 to 2.45)	0.07	2074.09 (1944.38 to 2206.62)	0.13 (0.12 to 0.14)	0.12	120.97 (112.71 to 129.83)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Guam	Ischemic stroke	0.98 (0.90 to 1.05)	0.03	881.50 (812.22 to 950.85)	0.06 (0.06 to 0.07)	0.06	58.21 (53.48 to 63.28)
	Hypertensive heart disease	0.54 (0.42 to 0.63)	0.02	488.00 (376.15 to 571.87)	0.03 (0.02 to 0.04)	0.03	29.39 (20.89 to 34.20)
	All causes	52.44 (47.30 to 58.08)	1.00	31247.30 (28182.99 to 34603.54)	1.25 (1.18 to 1.33)	1.00	745.89 (702.41 to 790.09)
	Non-communicable diseases	40.97 (36.62 to 45.80)	0.78	24409.29 (21818.30 to 27288.60)	1.07 (1.00 to 1.13)	0.85	635.10 (597.89 to 673.90)
	Cardiovascular diseases	12.65 (11.84 to 13.48)	0.24	7536.57 (7052.28 to 8031.02)	0.52 (0.49 to 0.55)	0.41	308.68 (289.54 to 328.88)
	Ischemic heart disease	7.63 (7.05 to 8.24)	0.15	4547.62 (4201.65 to 4907.31)	0.34 (0.31 to 0.37)	0.27	202.21 (186.86 to 217.85)
	Stroke	2.80 (2.56 to 3.04)	0.05	1665.79 (1523.35 to 1809.69)	0.10 (0.09 to 0.11)	0.08	60.77 (55.67 to 65.76)
Guatemala	Ischemic stroke	1.07 (0.94 to 1.20)	0.02	635.23 (560.27 to 713.55)	0.04 (0.04 to 0.04)	0.03	24.29 (21.87 to 26.74)
	Hypertensive heart disease	0.79 (0.68 to 1.08)	0.02	469.59 (403.44 to 643.53)	0.03 (0.03 to 0.04)	0.02	18.53 (15.93 to 26.57)
	All causes	4878.00 (4327.31 to 5477.47)	1.00	28822.63 (25568.73 to 32364.68)	89.11 (82.12 to 97.07)	1.00	526.50 (485.22 to 573.55)
	Non-communicable diseases	2690.96 (2332.64 to 3100.21)	0.55	15900.09 (13782.87 to 18318.17)	53.74 (49.68 to 58.40)	0.60	317.51 (293.53 to 345.06)
	Cardiovascular diseases	348.30 (318.19 to 379.49)	0.07	2058.00 (1880.06 to 2242.26)	15.01 (13.84 to 16.29)	0.17	88.68 (81.75 to 96.25)
	Ischemic heart disease	167.95 (152.18 to 185.39)	0.03	992.36 (899.16 to 1095.40)	8.63 (7.85 to 9.42)	0.10	50.97 (46.39 to 55.67)
	Stroke	105.84 (96.30 to 116.09)	0.02	625.37 (569.03 to 685.93)	4.37 (3.99 to 4.79)	0.05	25.85 (23.57 to 28.32)
Guinea	Ischemic stroke	29.93 (26.93 to 32.96)	0.01	176.83 (159.11 to 194.73)	1.57 (1.41 to 1.73)	0.02	9.26 (8.33 to 10.22)
	Hypertensive heart disease	16.49 (13.97 to 23.69)	0.00	97.46 (82.56 to 139.96)	0.78 (0.65 to 1.28)	0.01	4.60 (3.86 to 7.59)
	All causes	6868.48 (6094.85 to 7765.28)	1.00	58109.00 (51563.96 to 65696.20)	108.47 (98.59 to 120.13)	1.00	917.65 (834.11 to 1016.32)
	Non-communicable diseases	2046.64 (1782.42 to 2299.45)	0.30	17315.09 (15079.67 to 19453.91)	40.44 (36.11 to 44.70)	0.37	342.15 (305.50 to 378.21)
	Cardiovascular diseases	406.35 (360.82 to 452.33)	0.06	3437.81 (3052.64 to 3826.86)	16.15 (14.34 to 17.91)	0.15	136.64 (121.33 to 151.52)
	Ischemic heart disease	159.56 (137.86 to 183.23)	0.02	1349.88 (1166.31 to 1550.21)	7.31 (6.43 to 8.28)	0.07	61.88 (54.40 to 70.06)
	Stroke	158.43 (136.83 to 182.00)	0.02	1340.39 (1157.62 to 1539.80)	6.29 (5.46 to 7.22)	0.06	53.24 (46.16 to 61.10)
Guinea-Bissau	Ischemic stroke	48.92 (41.11 to 58.03)	0.01	413.87 (347.79 to 490.91)	2.31 (1.94 to 2.73)	0.02	19.54 (16.44 to 23.08)
	Hypertensive heart disease	15.58 (7.95 to 24.08)	0.00	131.84 (67.26 to 203.71)	0.64 (0.32 to 0.99)	0.01	5.42 (2.72 to 8.35)
	All causes	1023.36 (903.33 to 1162.90)	1.00	55151.76 (48683.01 to 62671.54)	15.50 (13.78 to 17.36)	1.00	835.58 (742.58 to 935.46)
	Non-communicable diseases	340.89 (288.71 to 404.51)	0.33	18371.50 (15559.16 to 21799.96)	5.93 (5.11 to 6.84)	0.38	319.48 (275.40 to 368.63)
	Cardiovascular diseases	65.07 (56.49 to 74.57)	0.06	3506.63 (3044.50 to 4018.52)	2.22 (1.94 to 2.54)	0.14	119.75 (104.32 to 136.80)
	Ischemic heart disease	24.85 (21.08 to 29.30)	0.02	1339.13 (1136.25 to 1578.94)	0.96 (0.83 to 1.12)	0.06	51.89 (44.46 to 60.23)
	Stroke	25.44 (21.84 to 29.55)	0.02	1370.89 (1176.79 to 1592.55)	0.87 (0.74 to 1.00)	0.06	46.64 (40.06 to 54.16)
Guyana	Ischemic stroke	6.84 (5.73 to 8.19)	0.01	368.39 (309.00 to 441.28)	0.27 (0.22 to 0.32)	0.02	14.41 (11.96 to 17.42)
	Hypertensive heart disease	2.86 (1.38 to 4.45)	0.00	154.20 (74.13 to 240.02)	0.10 (0.05 to 0.16)	0.01	5.45 (2.61 to 8.46)
	All causes	258.42 (232.02 to 288.24)	1.00	34812.79 (31256.61 to 38830.28)	5.56 (5.05 to 6.05)	1.00	748.84 (680.71 to 814.52)
	Non-communicable diseases	165.80 (147.33 to 187.31)	0.64	22336.20 (19847.21 to 25233.25)	4.04 (3.67 to 4.41)	0.73	544.48 (493.94 to 594.58)
	Cardiovascular diseases	48.60 (43.88 to 53.40)	0.19	6547.11 (5911.63 to 7193.65)	2.03 (1.84 to 2.23)	0.37	274.05 (248.09 to 300.83)
	Ischemic heart disease	20.75 (18.61 to 23.08)	0.08	2795.41 (2506.77 to 3109.37)	0.91 (0.82 to 1.01)	0.16	122.72 (110.80 to 135.54)
	Stroke	16.12 (14.53 to 17.79)	0.06	2171.45 (1956.97 to 2397.19)	0.69 (0.62 to 0.76)	0.12	92.90 (83.99 to 102.45)
	Ischemic stroke	4.75 (4.27 to 5.30)	0.02	640.27 (575.15 to 714.42)	0.23 (0.21 to 0.26)	0.04	31.23 (27.87 to 34.99)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Haiti	Hypertensive heart disease	4.86 (4.02 to 5.95)	0.02	654.80 (541.90 to 802.12)	0.21 (0.18 to 0.28)	0.04	28.72 (23.80 to 37.16)
	All causes	5160.86 (4561.07 to 5854.06)	1.00	43644.21 (38571.92 to 49506.45)	88.63 (78.33 to 100.40)	1.00	749.52 (662.41 to 849.08)
	Non-communicable diseases	2494.09 (2179.50 to 2843.65)	0.48	21091.96 (18431.51 to 24048.10)	53.70 (46.21 to 61.48)	0.61	454.13 (390.75 to 519.92)
	Cardiovascular diseases	625.34 (531.34 to 730.85)	0.12	5288.35 (4493.43 to 6180.61)	23.98 (20.40 to 27.76)	0.27	202.77 (172.55 to 234.77)
	Ischemic heart disease	232.67 (190.13 to 280.54)	0.05	1967.62 (1607.88 to 2372.47)	9.99 (8.25 to 11.94)	0.11	84.49 (69.80 to 100.94)
	Stroke	220.81 (182.83 to 265.94)	0.04	1867.35 (1546.12 to 2248.99)	8.59 (7.13 to 10.17)	0.10	72.62 (60.34 to 86.01)
	Ischemic stroke	65.47 (54.01 to 77.55)	0.01	553.68 (456.75 to 655.81)	3.02 (2.48 to 3.58)	0.03	25.57 (20.97 to 30.31)
Honduras	Hypertensive heart disease	46.85 (29.61 to 61.61)	0.01	396.19 (250.40 to 521.06)	1.99 (1.27 to 2.58)	0.02	16.83 (10.76 to 21.79)
	All causes	2287.65 (2013.55 to 2617.61)	1.00	24083.54 (21197.87 to 27557.20)	44.43 (38.31 to 50.61)	1.00	467.72 (403.32 to 532.82)
	Non-communicable diseases	1441.97 (1242.24 to 1684.00)	0.63	15180.54 (13077.88 to 17728.52)	32.01 (27.21 to 36.70)	0.72	336.95 (286.42 to 386.36)
	Cardiovascular diseases	290.07 (246.44 to 337.07)	0.13	3053.73 (2594.46 to 3548.53)	13.12 (10.97 to 15.31)	0.30	138.09 (115.51 to 161.20)
	Ischemic heart disease	172.07 (144.25 to 202.95)	0.08	1811.51 (1518.63 to 2136.54)	8.32 (6.87 to 9.76)	0.19	87.63 (72.32 to 102.73)
	Stroke	67.23 (56.26 to 78.65)	0.03	707.79 (592.31 to 827.98)	3.05 (2.50 to 3.62)	0.07	32.11 (26.34 to 38.07)
	Ischemic stroke	29.44 (24.56 to 34.76)	0.01	309.89 (258.58 to 365.95)	1.64 (1.30 to 1.97)	0.04	17.23 (13.72 to 20.78)
Hungary	Hypertensive heart disease	19.13 (15.09 to 26.58)	0.01	201.44 (158.85 to 279.82)	0.84 (0.63 to 1.22)	0.02	8.81 (6.67 to 12.83)
	All causes	3604.45 (3230.55 to 4014.18)	1.00	37054.77 (33210.96 to 41266.87)	122.04 (117.08 to 127.41)	1.00	1254.56 (1203.64 to 1309.77)
	Non-communicable diseases	3095.70 (2792.85 to 3422.11)	0.86	31824.68 (28711.32 to 35180.20)	114.40 (109.73 to 119.34)	0.94	1176.04 (1128.03 to 1226.84)
	Cardiovascular diseases	934.66 (885.42 to 986.87)	0.26	9608.57 (9102.35 to 10145.30)	57.21 (54.91 to 59.75)	0.47	588.15 (564.49 to 614.29)
	Ischemic heart disease	501.12 (476.28 to 531.30)	0.14	5151.63 (4896.28 to 5461.90)	34.17 (32.58 to 35.99)	0.28	351.24 (334.89 to 370.02)
	Stroke	226.60 (208.17 to 244.30)	0.06	2329.55 (2140.06 to 2511.50)	11.77 (11.08 to 12.50)	0.10	120.96 (113.92 to 128.51)
	Ischemic stroke	159.68 (144.56 to 174.24)	0.04	1641.60 (1486.16 to 1791.20)	8.58 (8.06 to 9.12)	0.07	88.17 (82.86 to 93.74)
Iceland	Hypertensive heart disease	67.80 (46.17 to 75.12)	0.02	697.03 (474.61 to 772.25)	4.65 (2.78 to 5.16)	0.04	47.83 (28.62 to 53.01)
	All causes	75.42 (64.75 to 87.62)	1.00	22348.55 (19185.56 to 25963.12)	2.20 (2.14 to 2.28)	1.00	653.08 (633.66 to 674.54)
	Non-communicable diseases	64.88 (55.53 to 75.61)	0.86	19226.60 (16453.84 to 22404.33)	1.97 (1.91 to 2.04)	0.89	584.11 (566.56 to 603.82)
	Cardiovascular diseases	10.37 (9.76 to 11.03)	0.14	3073.31 (2890.84 to 3269.47)	0.74 (0.71 to 0.77)	0.33	218.76 (211.25 to 226.85)
	Ischemic heart disease	5.59 (5.34 to 5.88)	0.07	1657.79 (1582.40 to 1741.30)	0.44 (0.43 to 0.46)	0.20	131.36 (126.55 to 136.90)
	Stroke	2.27 (2.08 to 2.48)	0.03	672.85 (615.48 to 734.99)	0.15 (0.14 to 0.16)	0.07	43.89 (41.32 to 46.58)
	Ischemic stroke	1.27 (1.12 to 1.44)	0.02	376.55 (330.49 to 425.61)	0.08 (0.08 to 0.09)	0.04	25.04 (23.47 to 26.94)
India	Hypertensive heart disease	0.24 (0.17 to 0.27)	0.00	70.34 (50.56 to 79.52)	0.02 (0.01 to 0.02)	0.01	5.78 (3.05 to 6.67)
	All causes	480731.95 (441714.56 to 526290.40)	1.00	34821.51 (31995.31 to 38121.51)	9909.50 (9731.58 to 10093.18)	1.00	717.79 (704.90 to 731.09)
	Non-communicable diseases	269176.26 (241103.84 to 301575.73)	0.56	19497.61 (17464.20 to 21844.44)	6289.77 (5977.56 to 6495.63)	0.63	455.60 (432.98 to 470.51)
	Cardiovascular diseases	65117.83 (62327.78 to 67477.62)	0.14	4716.77 (4514.67 to 4887.70)	2632.78 (2489.26 to 2726.49)	0.27	190.70 (180.31 to 197.49)
	Ischemic heart disease	36987.50 (35381.26 to 38327.29)	0.08	2679.17 (2562.82 to 2776.21)	1540.33 (1459.04 to 1598.87)	0.16	111.57 (105.68 to 115.81)
	Stroke	17611.21 (16734.08 to 18415.49)	0.04	1275.66 (1212.12 to 1333.91)	726.23 (684.96 to 760.01)	0.07	52.60 (49.61 to 55.05)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Indonesia	Ischemic stroke	6346.13 (5419.79 to 7606.49)	0.01	459.68 (392.58 to 550.97)	289.97 (248.18 to 348.67)	0.03	21.00 (17.98 to 25.26)
	Hypertensive heart disease	2050.13 (1519.16 to 2561.91)	0.00	148.50 (110.04 to 185.57)	98.91 (72.73 to 123.12)	0.01	7.16 (5.27 to 8.92)
	All causes	74647.66 (67764.73 to 82775.51)	1.00	28918.11 (26251.69 to 32066.79)	1642.53 (1572.16 to 1719.46)	1.00	636.31 (609.05 to 666.11)
	Non-communicable diseases	52215.60 (46545.99 to 58674.74)	0.70	20228.04 (18031.67 to 22730.28)	1239.74 (1177.56 to 1307.39)	0.75	480.27 (456.18 to 506.48)
	Cardiovascular diseases	14617.32 (13831.28 to 15454.91)	0.20	5662.67 (5358.16 to 5987.15)	597.99 (566.52 to 633.16)	0.36	231.66 (219.47 to 245.28)
	Ischemic heart disease	5717.63 (5394.05 to 6076.34)	0.08	2214.98 (2089.63 to 2353.94)	234.75 (221.18 to 249.72)	0.14	90.94 (85.68 to 96.74)
	Stroke	7377.27 (6968.42 to 7798.62)	0.10	2857.91 (2699.53 to 3021.14)	308.49 (290.39 to 328.00)	0.19	119.51 (112.50 to 127.07)
Iran	Ischemic stroke	2283.19 (2034.40 to 2517.47)	0.03	884.49 (788.12 to 975.26)	108.92 (97.85 to 119.77)	0.07	42.20 (37.91 to 46.40)
	Hypertensive heart disease	538.68 (434.46 to 627.31)	0.01	208.68 (168.31 to 243.01)	24.01 (19.43 to 28.26)	0.01	9.30 (7.53 to 10.95)
	All causes	20376.96 (17898.89 to 23139.04)	1.00	24796.70 (21781.13 to 28157.87)	380.01 (378.02 to 381.86)	1.00	462.43 (460.02 to 464.68)
	Non-communicable diseases	15509.60 (13322.79 to 17930.62)	0.76	18873.61 (16212.48 to 21819.75)	312.81 (310.70 to 314.75)	0.82	380.66 (378.09 to 383.02)
	Cardiovascular diseases	3214.11 (3100.19 to 3337.67)	0.16	3911.25 (3772.61 to 4061.61)	161.33 (159.00 to 166.16)	0.42	196.32 (193.48 to 202.20)
	Ischemic heart disease	1766.63 (1718.88 to 1876.94)	0.09	2149.81 (2091.70 to 2284.04)	95.56 (93.33 to 101.44)	0.25	116.28 (113.57 to 123.44)
	Stroke	774.57 (725.67 to 823.50)	0.04	942.58 (883.06 to 1002.11)	36.36 (35.10 to 38.65)	0.10	44.25 (42.71 to 47.04)
Iraq	Ischemic stroke	549.05 (512.35 to 585.06)	0.03	668.13 (623.48 to 711.96)	28.05 (27.07 to 29.93)	0.07	34.14 (32.95 to 36.42)
	Hypertensive heart disease	290.67 (246.92 to 309.14)	0.01	353.71 (300.47 to 376.19)	17.14 (13.81 to 18.14)	0.05	20.86 (16.81 to 22.07)
	All causes	11735.93 (10497.50 to 13183.41)	1.00	27100.99 (24241.15 to 30443.56)	152.18 (144.60 to 160.52)	1.00	351.41 (333.91 to 370.68)
	Non-communicable diseases	6033.37 (5119.70 to 7022.00)	0.51	13932.46 (11822.57 to 16215.44)	83.01 (78.52 to 88.05)	0.55	191.69 (181.31 to 203.32)
	Cardiovascular diseases	1142.64 (1070.50 to 1221.47)	0.10	2638.63 (2472.04 to 2820.65)	43.07 (40.63 to 45.74)	0.28	99.46 (93.83 to 105.63)
	Ischemic heart disease	555.17 (519.90 to 597.01)	0.05	1282.01 (1200.56 to 1378.63)	25.02 (23.48 to 26.74)	0.16	57.78 (54.22 to 61.75)
	Stroke	370.66 (342.06 to 399.20)	0.03	855.95 (789.89 to 921.85)	13.21 (12.38 to 14.09)	0.09	30.51 (28.58 to 32.55)
Ireland	Ischemic stroke	152.21 (136.71 to 166.81)	0.01	351.48 (315.69 to 385.21)	6.20 (5.76 to 6.67)	0.04	14.33 (13.30 to 15.39)
	Hypertensive heart disease	33.89 (30.10 to 40.15)	0.00	78.27 (69.50 to 92.72)	1.39 (1.24 to 1.81)	0.01	3.22 (2.87 to 4.17)
	All causes	1109.55 (958.96 to 1286.15)	1.00	22827.71 (19729.50 to 26460.94)	30.81 (29.29 to 32.33)	1.00	633.88 (602.54 to 665.12)
	Non-communicable diseases	967.65 (836.97 to 1122.12)	0.87	19908.27 (17219.73 to 23086.25)	27.97 (26.58 to 29.35)	0.91	575.36 (546.86 to 603.79)
	Cardiovascular diseases	149.33 (138.15 to 160.41)	0.14	3072.34 (2842.18 to 3300.26)	9.68 (9.12 to 10.26)	0.31	199.18 (187.73 to 211.06)
	Ischemic heart disease	76.27 (71.04 to 81.88)	0.07	1569.13 (1461.46 to 1684.65)	5.42 (5.09 to 5.82)	0.18	111.52 (104.74 to 119.68)
	Stroke	34.63 (31.52 to 37.90)	0.03	712.37 (648.57 to 779.85)	2.15 (2.00 to 2.32)	0.07	44.28 (41.22 to 47.64)
Israel	Ischemic stroke	17.75 (15.64 to 19.83)	0.02	365.18 (321.85 to 408.00)	1.14 (1.05 to 1.23)	0.04	23.38 (21.58 to 25.30)
	Hypertensive heart disease	2.31 (1.90 to 2.95)	0.00	47.55 (39.14 to 60.62)	0.16 (0.11 to 0.19)	0.01	3.28 (2.31 to 3.89)
	All causes	1727.45 (1472.85 to 2017.03)	1.00	19302.87 (16457.91 to 22538.68)	45.68 (43.61 to 47.88)	1.00	510.40 (487.29 to 534.97)
	Non-communicable diseases	1447.74 (1227.13 to 1689.20)	0.84	16177.26 (13712.17 to 18875.46)	40.24 (38.38 to 42.25)	0.88	449.64 (428.88 to 472.09)
	Cardiovascular diseases	178.99 (166.38 to 191.78)	0.10	2000.08 (1859.15 to 2143.03)	11.85 (11.20 to 12.54)	0.26	132.40 (125.14 to 140.13)
	Ischemic heart disease	80.31 (74.76 to 85.98)	0.05	897.38 (835.40 to 960.76)	6.05 (5.69 to 6.42)	0.13	67.56 (63.57 to 71.72)
	Stroke	50.09 (45.35 to 54.52)	0.03	559.71 (506.79 to 609.17)	3.04 (2.84 to 3.27)	0.07	34.00 (31.74 to 36.49)
	Ischemic stroke	24.89 (21.45 to 28.11)	0.01	278.17 (239.73 to 314.15)	1.47 (1.36 to 1.60)	0.03	16.47 (15.15 to 17.83)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Italy	Hypertensive heart disease	3.30 (2.64 to 6.25)	0.00	36.90 (29.52 to 69.79)	0.23 (0.19 to 0.44)	0.00	2.52 (2.08 to 4.88)
	All causes	16493.04 (14333.70 to 18969.10)	1.00	27217.37 (23653.96 to 31303.45)	622.13 (594.42 to 649.34)	1.00	1026.66 (980.93 to 1071.57)
	Non-communicable diseases	14724.10 (12826.62 to 16919.76)	0.89	24298.20 (21166.93 to 27921.56)	580.98 (555.26 to 606.00)	0.93	958.74 (916.30 to 1000.03)
	Cardiovascular diseases	2636.26 (2466.95 to 2808.29)	0.16	4350.44 (4071.05 to 4634.34)	216.58 (206.67 to 227.00)	0.35	357.42 (341.06 to 374.61)
	Ischemic heart disease	1109.84 (1033.99 to 1203.91)	0.07	1831.50 (1706.32 to 1986.73)	96.46 (89.82 to 107.29)	0.16	159.18 (148.23 to 177.05)
	Stroke	700.53 (647.33 to 764.26)	0.04	1156.04 (1068.25 to 1261.21)	59.35 (55.16 to 66.25)	0.10	97.95 (91.03 to 109.33)
	Ischemic stroke	340.45 (306.75 to 376.60)	0.02	561.82 (506.20 to 621.48)	30.68 (28.23 to 34.69)	0.05	50.63 (46.59 to 57.24)
Jamaica	Hypertensive heart disease	218.17 (121.59 to 249.90)	0.01	360.04 (200.66 to 412.40)	22.00 (7.37 to 26.03)	0.04	36.31 (12.17 to 42.95)
	All causes	780.01 (685.67 to 887.21)	1.00	28065.26 (24670.94 to 31922.44)	20.26 (18.19 to 22.59)	1.00	728.97 (654.62 to 812.72)
	Non-communicable diseases	575.48 (501.06 to 658.59)	0.74	20706.14 (18028.52 to 23696.50)	16.94 (15.12 to 18.92)	0.84	609.43 (544.09 to 680.86)
	Cardiovascular diseases	117.28 (104.28 to 132.22)	0.15	4219.89 (3752.20 to 4757.37)	6.28 (5.61 to 7.04)	0.31	225.91 (202.00 to 253.26)
	Ischemic heart disease	37.51 (32.36 to 42.96)	0.05	1349.67 (1164.33 to 1545.77)	2.18 (1.91 to 2.47)	0.11	78.52 (68.84 to 88.81)
	Stroke	50.28 (43.84 to 57.38)	0.06	1809.24 (1577.29 to 2064.50)	2.77 (2.43 to 3.16)	0.14	99.70 (87.43 to 113.55)
	Ischemic stroke	16.00 (13.97 to 18.17)	0.02	575.54 (502.70 to 653.89)	1.02 (0.89 to 1.17)	0.05	36.87 (32.15 to 42.04)
Japan	Hypertensive heart disease	9.93 (8.01 to 14.42)	0.01	357.35 (288.14 to 518.75)	0.57 (0.46 to 0.83)	0.03	20.58 (16.54 to 30.03)
	All causes	35129.02 (30654.61 to 40267.94)	1.00	27366.88 (23881.14 to 31370.30)	1371.73 (1347.73 to 1396.46)	1.00	1068.63 (1049.94 to 1087.90)
	Non-communicable diseases	29209.31 (25404.22 to 33572.71)	0.83	22755.19 (19790.88 to 26154.46)	1177.92 (1158.15 to 1198.78)	0.86	917.65 (902.25 to 933.89)
	Cardiovascular diseases	5211.33 (4893.66 to 5542.95)	0.15	4059.83 (3812.35 to 4318.17)	368.09 (359.04 to 377.10)	0.27	286.76 (279.71 to 293.77)
	Ischemic heart disease	1832.25 (1761.62 to 1904.08)	0.05	1427.39 (1372.37 to 1483.36)	151.05 (146.22 to 155.58)	0.11	117.68 (113.91 to 121.20)
	Stroke	2217.89 (2023.13 to 2412.04)	0.06	1727.82 (1576.10 to 1879.08)	140.00 (135.87 to 144.08)	0.10	109.06 (105.85 to 112.24)
	Ischemic stroke	1196.75 (1059.44 to 1329.91)	0.03	932.31 (825.35 to 1036.05)	83.46 (80.86 to 86.39)	0.06	65.02 (62.99 to 67.30)
Jordan	Hypertensive heart disease	144.19 (117.11 to 239.63)	0.00	112.33 (91.23 to 186.68)	11.20 (9.60 to 21.98)	0.01	8.72 (7.48 to 17.12)
	All causes	2063.62 (1756.80 to 2406.32)	1.00	19379.48 (16498.17 to 22597.82)	27.52 (25.19 to 30.07)	1.00	258.40 (236.57 to 282.39)
	Non-communicable diseases	1482.73 (1248.13 to 1743.44)	0.72	13924.39 (11721.27 to 16372.73)	21.39 (19.54 to 23.55)	0.78	200.89 (183.46 to 221.18)
	Cardiovascular diseases	219.44 (199.40 to 242.15)	0.11	2060.77 (1872.59 to 2274.07)	9.02 (8.17 to 10.03)	0.33	84.69 (76.76 to 94.15)
	Ischemic heart disease	111.32 (99.12 to 126.19)	0.05	1045.38 (930.87 to 1185.04)	4.74 (4.20 to 5.39)	0.17	44.50 (39.48 to 50.63)
	Stroke	57.98 (51.81 to 64.92)	0.03	544.52 (486.57 to 609.62)	2.36 (2.11 to 2.69)	0.09	22.20 (19.80 to 25.30)
	Ischemic stroke	36.96 (32.82 to 41.72)	0.02	347.05 (308.26 to 391.84)	1.62 (1.44 to 1.86)	0.06	15.23 (13.53 to 17.51)
Kazakhstan	Hypertensive heart disease	26.54 (19.23 to 30.80)	0.01	249.21 (180.61 to 289.24)	1.30 (0.88 to 1.51)	0.05	12.19 (8.29 to 14.21)
	All causes	5608.90 (5119.59 to 6187.92)	1.00	31327.04 (28594.13 to 34561.02)	134.59 (129.77 to 139.82)	1.00	751.73 (724.81 to 780.91)
	Non-communicable diseases	4125.65 (3757.13 to 4584.68)	0.74	23042.77 (20984.48 to 25606.56)	113.20 (109.08 to 117.56)	0.84	632.26 (609.22 to 656.57)
	Cardiovascular diseases	1434.55 (1371.39 to 1503.39)	0.26	8012.31 (7659.56 to 8396.82)	67.34 (64.67 to 69.95)	0.50	376.11 (361.19 to 390.70)
	Ischemic heart disease	714.10 (673.29 to 775.05)	0.13	3988.44 (3760.49 to 4328.86)	38.56 (36.84 to 40.55)	0.29	215.34 (205.75 to 226.51)
	Stroke	435.86 (404.08 to 471.17)	0.08	2434.40 (2256.89 to 2631.57)	19.59 (18.40 to 20.75)	0.15	109.44 (102.80 to 115.91)
	Ischemic stroke	235.98 (218.32 to 254.11)	0.04	1318.02 (1219.36 to 1419.26)	11.44 (10.77 to 12.17)	0.09	63.90 (60.17 to 67.99)
	Hypertensive heart disease	38.17 (33.01 to 61.79)	0.01	213.17 (184.34 to 345.13)	1.63 (1.37 to 2.88)	0.01	9.09 (7.67 to 16.07)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Kenya	All causes	17856.95 (16706.84 to 19268.59)	1.00	36950.44 (34570.58 to 39871.45)	288.90 (280.69 to 297.17)	1.00	597.80 (580.81 to 614.92)
	Non-communicable diseases	6417.84 (5613.34 to 7351.16)	0.36	13280.09 (11615.38 to 15211.36)	111.28 (103.76 to 117.47)	0.39	230.26 (214.71 to 243.08)
	Cardiovascular diseases	950.65 (874.13 to 1043.70)	0.05	1967.13 (1808.78 to 2159.67)	35.99 (32.96 to 39.82)	0.12	74.48 (68.20 to 82.40)
	Ischemic heart disease	351.02 (308.64 to 404.81)	0.02	726.35 (638.65 to 837.64)	14.47 (12.63 to 16.96)	0.05	29.93 (26.13 to 35.08)
	Stroke	352.34 (312.92 to 393.58)	0.02	729.07 (647.52 to 814.41)	13.97 (12.06 to 15.98)	0.05	28.91 (24.96 to 33.07)
	Ischemic stroke	95.12 (73.93 to 112.14)	0.01	196.83 (152.98 to 232.05)	4.25 (3.07 to 5.16)	0.01	8.79 (6.36 to 10.69)
	Hypertensive heart disease	74.02 (43.85 to 96.83)	0.00	153.17 (90.74 to 200.36)	3.39 (1.97 to 4.65)	0.01	7.02 (4.07 to 9.62)
Kiribati	All causes	53.66 (47.71 to 60.33)	1.00	45382.34 (40348.85 to 51024.83)	1.01 (0.91 to 1.12)	1.00	853.51 (765.75 to 951.22)
	Non-communicable diseases	32.62 (28.66 to 36.51)	0.61	27586.50 (24235.12 to 30878.93)	0.69 (0.62 to 0.78)	0.69	586.28 (522.45 to 656.07)
	Cardiovascular diseases	8.89 (7.72 to 10.24)	0.17	7519.93 (6532.87 to 8657.43)	0.27 (0.24 to 0.31)	0.27	228.59 (200.67 to 258.58)
	Ischemic heart disease	3.38 (2.88 to 3.94)	0.06	2862.43 (2437.15 to 3331.68)	0.11 (0.10 to 0.13)	0.11	94.11 (81.28 to 107.27)
	Stroke	3.72 (3.21 to 4.28)	0.07	3142.75 (2712.56 to 3623.15)	0.11 (0.10 to 0.13)	0.11	95.35 (83.09 to 108.21)
	Ischemic stroke	0.74 (0.64 to 0.84)	0.01	627.24 (543.76 to 713.07)	0.03 (0.02 to 0.03)	0.03	22.00 (19.05 to 24.90)
	Hypertensive heart disease	0.40 (0.31 to 0.49)	0.01	341.16 (259.44 to 415.14)	0.01 (0.01 to 0.02)	0.01	11.39 (8.85 to 13.65)
Kuwait	All causes	719.01 (599.18 to 856.70)	1.00	16869.47 (14058.11 to 20099.90)	7.73 (7.35 to 8.14)	1.00	181.43 (172.55 to 191.04)
	Non-communicable diseases	573.97 (468.77 to 690.08)	0.80	13466.55 (10998.19 to 16190.73)	5.93 (5.63 to 6.25)	0.77	139.16 (132.16 to 146.73)
	Cardiovascular diseases	92.50 (86.31 to 99.08)	0.13	2170.30 (2025.06 to 2324.70)	3.09 (2.91 to 3.29)	0.40	72.59 (68.23 to 77.11)
	Ischemic heart disease	56.84 (52.31 to 61.20)	0.08	1333.57 (1227.27 to 1435.91)	2.00 (1.85 to 2.15)	0.26	46.85 (43.48 to 50.38)
	Stroke	19.45 (17.51 to 21.33)	0.03	456.45 (410.76 to 500.36)	0.63 (0.58 to 0.68)	0.08	14.73 (13.64 to 15.94)
	Ischemic stroke	11.25 (10.03 to 12.43)	0.02	263.95 (235.29 to 291.67)	0.41 (0.38 to 0.45)	0.05	9.71 (8.96 to 10.53)
	Hypertensive heart disease	6.20 (5.24 to 9.15)	0.01	145.53 (122.84 to 214.73)	0.24 (0.20 to 0.36)	0.03	5.61 (4.77 to 8.34)
Kyrgyzstan	All causes	1695.21 (1537.04 to 1881.78)	1.00	26618.30 (24134.83 to 29547.95)	33.90 (33.10 to 34.69)	1.00	532.32 (519.71 to 544.64)
	Non-communicable diseases	1130.03 (1011.68 to 1267.01)	0.67	17743.90 (15885.46 to 19894.77)	27.34 (26.73 to 27.94)	0.81	429.35 (419.80 to 438.79)
	Cardiovascular diseases	347.95 (335.18 to 361.05)	0.21	5463.49 (5263.03 to 5669.30)	16.56 (16.12 to 17.05)	0.49	259.97 (253.08 to 267.69)
	Ischemic heart disease	192.73 (184.77 to 202.56)	0.11	3026.26 (2901.32 to 3180.66)	10.75 (10.41 to 11.15)	0.32	168.81 (163.43 to 175.09)
	Stroke	110.84 (104.60 to 117.34)	0.07	1740.36 (1642.40 to 1842.48)	4.53 (4.33 to 4.74)	0.13	71.20 (68.01 to 74.45)
	Ischemic stroke	37.42 (34.54 to 40.33)	0.02	587.61 (542.42 to 633.28)	1.71 (1.62 to 1.80)	0.05	26.83 (25.45 to 28.31)
	Hypertensive heart disease	9.35 (7.55 to 11.51)	0.01	146.78 (118.47 to 180.71)	0.41 (0.33 to 0.52)	0.01	6.38 (5.14 to 8.17)
Laos	All causes	2568.15 (2283.47 to 2904.68)	1.00	36844.85 (32760.56 to 41673.03)	45.56 (41.36 to 50.34)	1.00	653.57 (593.44 to 722.19)
	Non-communicable diseases	1368.37 (1181.27 to 1560.59)	0.53	19631.72 (16947.45 to 22389.55)	28.66 (24.99 to 32.24)	0.63	411.13 (358.57 to 462.59)
	Cardiovascular diseases	345.43 (290.84 to 396.22)	0.13	4955.83 (4172.60 to 5684.54)	13.15 (11.47 to 15.04)	0.29	188.60 (164.54 to 215.82)
	Ischemic heart disease	140.30 (114.27 to 164.88)	0.05	2012.80 (1639.38 to 2365.48)	5.62 (4.85 to 6.49)	0.12	80.61 (69.54 to 93.16)
	Stroke	149.37 (126.44 to 171.71)	0.06	2142.94 (1814.01 to 2463.48)	5.92 (5.13 to 6.76)	0.13	84.86 (73.58 to 96.93)
	Ischemic stroke	45.12 (38.65 to 51.74)	0.02	647.37 (554.57 to 742.34)	2.11 (1.82 to 2.44)	0.05	30.31 (26.10 to 35.02)
	Hypertensive heart disease	14.30 (9.79 to 18.40)	0.01	205.09 (140.45 to 263.97)	0.60 (0.41 to 0.76)	0.01	8.59 (5.89 to 10.94)
Latvia	All causes	796.60 (706.61 to 885.66)	1.00	40947.22 (36321.38 to 45525.26)	28.05 (25.69 to 30.52)	1.00	1442.04 (1320.57 to 1568.98)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Lebanon	Non-communicable diseases	665.72 (590.47 to 736.34)	0.84	34219.81 (30351.53 to 37849.97)	25.79 (23.61 to 28.04)	0.92	1325.47 (1213.58 to 1441.58)
	Cardiovascular diseases	249.93 (228.12 to 273.93)	0.31	12847.01 (11726.16 to 14080.78)	15.46 (14.14 to 16.88)	0.55	794.86 (727.04 to 867.66)
	Ischemic heart disease	128.28 (115.92 to 143.25)	0.16	6593.68 (5958.39 to 7363.65)	8.91 (8.12 to 9.91)	0.32	458.16 (417.47 to 509.59)
	Stroke	76.96 (69.05 to 85.07)	0.10	3955.97 (3549.56 to 4372.91)	4.60 (4.12 to 5.15)	0.16	236.50 (211.80 to 264.78)
	Ischemic stroke	57.33 (51.26 to 63.22)	0.07	2947.00 (2634.72 to 3249.58)	3.57 (3.20 to 3.96)	0.13	183.66 (164.55 to 203.34)
	Hypertensive heart disease	9.24 (2.62 to 11.35)	0.01	474.77 (134.87 to 583.46)	0.63 (0.14 to 0.79)	0.02	32.38 (7.22 to 40.42)
	All causes	1797.72 (1551.72 to 2068.83)	1.00	21119.88 (18229.79 to 24304.90)	33.58 (31.80 to 35.49)	1.00	394.48 (373.56 to 416.95)
	Non-communicable diseases	1438.77 (1226.38 to 1670.04)	0.80	16902.94 (14407.73 to 19619.84)	29.19 (27.77 to 30.79)	0.87	342.96 (326.27 to 361.74)
	Cardiovascular diseases	286.26 (268.62 to 304.93)	0.16	3363.08 (3155.83 to 3582.42)	14.09 (13.33 to 14.86)	0.42	165.58 (156.59 to 174.63)
	Ischemic heart disease	198.52 (185.53 to 214.83)	0.11	2332.25 (2179.60 to 2523.87)	10.24 (9.61 to 11.03)	0.31	120.30 (112.90 to 129.53)
Lesotho	Stroke	47.25 (41.67 to 53.78)	0.03	555.09 (489.54 to 631.77)	2.13 (1.89 to 2.45)	0.06	25.01 (22.15 to 28.73)
	Ischemic stroke	31.06 (26.85 to 36.23)	0.02	364.88 (315.40 to 425.67)	1.54 (1.33 to 1.82)	0.05	18.12 (15.58 to 21.43)
	Hypertensive heart disease	16.54 (7.87 to 22.50)	0.01	194.29 (92.45 to 264.31)	0.93 (0.38 to 1.37)	0.03	10.94 (4.50 to 16.07)
	All causes	1310.74 (1170.38 to 1455.36)	1.00	67300.93 (60094.37 to 74726.49)	25.22 (22.25 to 28.05)	1.00	1294.78 (1142.21 to 1440.36)
	Non-communicable diseases	414.35 (356.37 to 472.91)	0.32	21274.89 (18298.27 to 24281.85)	9.87 (8.29 to 11.40)	0.39	506.53 (425.44 to 585.26)
	Cardiovascular diseases	95.83 (78.82 to 112.74)	0.07	4920.38 (4047.31 to 5788.93)	4.01 (3.28 to 4.72)	0.16	205.75 (168.66 to 242.13)
	Ischemic heart disease	32.30 (26.18 to 39.62)	0.02	1658.61 (1344.19 to 2034.30)	1.43 (1.14 to 1.74)	0.06	73.40 (58.74 to 89.20)
	Stroke	39.55 (31.68 to 47.65)	0.03	2030.72 (1626.85 to 2446.81)	1.71 (1.37 to 2.08)	0.07	87.90 (70.31 to 106.62)
	Ischemic stroke	9.28 (7.10 to 11.53)	0.01	476.50 (364.34 to 592.24)	0.47 (0.36 to 0.60)	0.02	24.38 (18.25 to 30.98)
	Hypertensive heart disease	9.42 (6.30 to 12.60)	0.01	483.84 (323.62 to 647.05)	0.42 (0.29 to 0.56)	0.02	21.67 (14.75 to 28.69)
Liberia	All causes	2162.10 (1869.11 to 2484.27)	1.00	45781.67 (39577.68 to 52603.49)	31.20 (27.77 to 35.14)	1.00	660.62 (587.97 to 744.01)
	Non-communicable diseases	690.03 (589.07 to 803.12)	0.32	14611.13 (12473.42 to 17005.78)	11.51 (10.03 to 13.15)	0.37	243.68 (212.34 to 278.43)
	Cardiovascular diseases	117.45 (101.41 to 133.89)	0.05	2487.05 (2147.25 to 2834.96)	4.41 (3.81 to 5.05)	0.14	93.47 (80.59 to 107.00)
	Ischemic heart disease	50.41 (42.38 to 58.76)	0.02	1067.45 (897.41 to 1244.27)	2.17 (1.84 to 2.52)	0.07	45.94 (38.94 to 53.29)
	Stroke	41.29 (35.25 to 47.84)	0.02	874.34 (746.50 to 1012.93)	1.54 (1.31 to 1.79)	0.05	32.58 (27.75 to 37.91)
	Ischemic stroke	11.71 (9.87 to 13.74)	0.01	248.01 (209.00 to 291.04)	0.51 (0.43 to 0.61)	0.02	10.80 (9.01 to 12.88)
	Hypertensive heart disease	4.66 (2.68 to 6.96)	0.00	98.60 (56.73 to 147.39)	0.18 (0.10 to 0.26)	0.01	3.73 (2.19 to 5.52)
	All causes	1908.75 (1672.87 to 2151.57)	1.00	27628.01 (24213.82 to 31142.70)	34.46 (31.02 to 38.11)	1.00	498.73 (449.05 to 551.67)
	Non-communicable diseases	1378.92 (1180.88 to 1579.32)	0.72	19959.04 (17092.51 to 22859.77)	26.85 (23.79 to 30.05)	0.78	388.68 (344.41 to 434.99)
	Cardiovascular diseases	340.73 (303.30 to 382.86)	0.18	4931.85 (4390.16 to 5541.66)	13.33 (11.92 to 14.95)	0.39	193.01 (172.53 to 216.39)
Libya	Ischemic heart disease	216.81 (185.43 to 250.22)	0.11	3138.19 (2684.01 to 3621.80)	9.18 (7.99 to 10.38)	0.27	132.87 (115.62 to 150.24)
	Stroke	73.13 (57.52 to 87.90)	0.04	1058.52 (832.55 to 1272.24)	2.70 (2.11 to 3.28)	0.08	39.12 (30.52 to 47.46)
	Ischemic stroke	40.34 (33.30 to 48.55)	0.02	583.85 (481.96 to 702.73)	1.73 (1.37 to 2.11)	0.05	25.08 (19.89 to 30.52)
	Hypertensive heart disease	14.22 (6.43 to 19.32)	0.01	205.84 (93.14 to 279.68)	0.68 (0.28 to 0.97)	0.02	9.84 (4.05 to 14.08)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Lithuania	All causes	1171.79 (1055.97 to 1297.73)	1.00	41149.50 (37082.10 to 45572.10)	40.90 (38.97 to 42.86)	1.00	1436.23 (1368.62 to 1505.03)
	Non-communicable diseases	954.39 (861.56 to 1057.26)	0.81	33514.88 (30255.16 to 37127.66)	36.88 (35.18 to 38.57)	0.90	1295.13 (1235.28 to 1354.48)
	Cardiovascular diseases	343.13 (325.26 to 361.56)	0.29	12049.73 (11422.15 to 12696.67)	22.25 (21.18 to 23.37)	0.54	781.39 (743.90 to 820.61)
	Ischemic heart disease	206.68 (195.63 to 219.09)	0.18	7258.01 (6870.03 to 7693.75)	15.37 (14.57 to 16.22)	0.38	539.58 (511.78 to 569.49)
	Stroke	89.03 (81.65 to 96.03)	0.08	3126.53 (2867.38 to 3372.24)	4.92 (4.64 to 5.24)	0.12	172.94 (162.83 to 184.00)
	Ischemic stroke	65.60 (59.61 to 71.33)	0.06	2303.55 (2093.31 to 2504.89)	3.78 (3.55 to 4.02)	0.09	132.74 (124.56 to 141.05)
	Hypertensive heart disease	8.02 (4.23 to 9.12)	0.01	281.75 (148.61 to 320.22)	0.45 (0.22 to 0.51)	0.01	15.66 (7.86 to 17.85)
Luxembourg	All causes	149.52 (128.61 to 173.57)	1.00	25319.30 (21777.96 to 29391.51)	4.42 (4.12 to 4.73)	1.00	747.95 (697.02 to 800.43)
	Non-communicable diseases	129.29 (110.86 to 150.50)	0.86	21892.51 (18771.77 to 25484.24)	3.98 (3.71 to 4.26)	0.90	673.31 (627.83 to 720.92)
	Cardiovascular diseases	21.06 (19.12 to 23.19)	0.14	3566.41 (3238.39 to 3926.35)	1.40 (1.27 to 1.52)	0.32	236.56 (215.67 to 257.45)
	Ischemic heart disease	8.57 (7.69 to 9.51)	0.06	1450.52 (1302.08 to 1610.60)	0.66 (0.59 to 0.73)	0.15	111.32 (100.00 to 123.05)
	Stroke	5.00 (4.45 to 5.55)	0.03	846.25 (753.71 to 939.96)	0.33 (0.30 to 0.37)	0.08	56.25 (49.96 to 63.23)
	Ischemic stroke	2.47 (2.15 to 2.79)	0.02	418.05 (363.61 to 472.30)	0.16 (0.14 to 0.18)	0.04	27.59 (24.33 to 31.11)
	Hypertensive heart disease	0.51 (0.39 to 0.66)	0.00	87.12 (65.95 to 111.98)	0.04 (0.02 to 0.05)	0.01	7.16 (4.17 to 8.59)
Macedonia	All causes	670.48 (595.91 to 753.69)	1.00	30829.17 (27400.46 to 34655.09)	19.11 (18.28 to 19.95)	1.00	878.74 (840.61 to 917.30)
	Non-communicable diseases	566.52 (507.59 to 632.93)	0.85	26049.17 (23339.14 to 29102.70)	18.12 (17.33 to 18.92)	0.95	832.96 (796.80 to 869.91)
	Cardiovascular diseases	193.73 (183.13 to 204.65)	0.29	8907.67 (8420.60 to 9409.96)	10.52 (10.02 to 11.02)	0.55	483.62 (460.69 to 506.64)
	Ischemic heart disease	75.49 (69.81 to 81.48)	0.11	3471.23 (3209.94 to 3746.67)	4.10 (3.82 to 4.38)	0.21	188.39 (175.84 to 201.36)
	Stroke	88.52 (82.66 to 94.74)	0.13	4070.00 (3800.84 to 4356.19)	4.93 (4.61 to 5.27)	0.26	226.47 (212.10 to 242.32)
	Ischemic stroke	40.93 (37.56 to 44.43)	0.06	1881.80 (1727.05 to 2043.08)	2.41 (2.24 to 2.61)	0.13	110.88 (102.91 to 119.86)
	Hypertensive heart disease	9.59 (7.33 to 11.17)	0.01	441.07 (336.90 to 513.71)	0.65 (0.45 to 0.76)	0.03	29.79 (20.53 to 35.12)
Madagascar	All causes	12671.68 (10858.96 to 14876.92)	1.00	48534.17 (41591.21 to 56980.51)	184.89 (161.14 to 212.99)	1.00	708.15 (617.20 to 815.77)
	Non-communicable diseases	4230.85 (3635.66 to 4911.28)	0.33	16204.70 (13925.03 to 18810.85)	73.77 (63.59 to 85.40)	0.40	282.55 (243.54 to 327.08)
	Cardiovascular diseases	1022.72 (870.60 to 1194.99)	0.08	3917.16 (3334.52 to 4576.97)	34.53 (29.45 to 40.32)	0.19	132.24 (112.79 to 154.43)
	Ischemic heart disease	280.68 (232.91 to 336.12)	0.02	1075.04 (892.08 to 1287.40)	10.62 (8.90 to 12.68)	0.06	40.69 (34.09 to 48.56)
	Stroke	456.16 (380.65 to 543.33)	0.04	1747.17 (1457.94 to 2081.04)	15.87 (13.22 to 18.78)	0.09	60.78 (50.63 to 71.94)
	Ischemic stroke	102.10 (79.56 to 131.17)	0.01	391.06 (304.71 to 502.40)	4.23 (3.23 to 5.48)	0.02	16.19 (12.38 to 20.98)
	Hypertensive heart disease	91.97 (46.59 to 137.36)	0.01	352.27 (178.43 to 526.12)	3.61 (1.82 to 5.61)	0.02	13.82 (6.96 to 21.49)
Malawi	All causes	8275.47 (7426.12 to 9338.16)	1.00	48137.77 (43197.20 to 54319.39)	129.41 (118.98 to 142.09)	1.00	752.80 (692.09 to 826.51)
	Non-communicable diseases	2556.87 (2220.29 to 2934.31)	0.31	14873.11 (12915.23 to 17068.69)	46.57 (41.64 to 51.44)	0.36	270.91 (242.22 to 299.21)
	Cardiovascular diseases	368.71 (327.89 to 410.83)	0.04	2144.76 (1907.31 to 2389.75)	15.01 (13.35 to 16.71)	0.12	87.29 (77.67 to 97.21)
	Ischemic heart disease	155.29 (133.96 to 178.17)	0.02	903.32 (779.25 to 1036.42)	6.83 (5.92 to 7.80)	0.05	39.70 (34.43 to 45.37)
	Stroke	121.64 (106.60 to 137.61)	0.01	707.56 (620.10 to 800.46)	5.20 (4.50 to 5.94)	0.04	30.23 (26.15 to 34.53)
	Ischemic stroke	41.47 (31.88 to 51.17)	0.01	241.25 (185.43 to 297.67)	2.05 (1.52 to 2.55)	0.02	11.95 (8.83 to 14.85)
	Hypertensive heart disease	29.56 (15.43 to 50.31)	0.00	171.94 (89.76 to 292.67)	1.52 (0.78 to 2.69)	0.01	8.85 (4.54 to 15.64)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Malaysia	All causes	7124.79 (6352.11 to 7978.67)	1.00	23253.37 (20731.54 to 26040.19)	165.13 (154.45 to 176.85)	1.00	538.95 (504.07 to 577.20)
	Non-communicable diseases	5158.86 (4499.22 to 5880.02)	0.72	16837.12 (14684.23 to 19190.76)	118.71 (109.97 to 128.82)	0.72	387.44 (358.90 to 420.44)
	Cardiovascular diseases	1397.31 (1288.03 to 1520.98)	0.20	4560.44 (4203.78 to 4964.06)	57.29 (52.96 to 62.52)	0.35	186.97 (172.84 to 204.05)
	Ischemic heart disease	758.17 (691.27 to 834.23)	0.11	2474.45 (2256.11 to 2722.70)	33.40 (30.67 to 36.62)	0.20	109.00 (100.11 to 119.53)
	Stroke	426.90 (388.95 to 469.98)	0.06	1393.30 (1269.43 to 1533.87)	17.75 (16.12 to 19.54)	0.11	57.94 (52.62 to 63.76)
	Ischemic stroke	159.07 (141.56 to 177.38)	0.02	519.16 (462.02 to 578.91)	7.05 (6.29 to 7.83)	0.04	23.01 (20.52 to 25.57)
	Hypertensive heart disease	13.57 (11.73 to 17.74)	0.00	44.30 (38.28 to 57.89)	0.51 (0.43 to 0.76)	0.00	1.67 (1.41 to 2.48)
Maldives	All causes	70.32 (59.69 to 82.64)	1.00	15334.39 (13016.64 to 18020.60)	1.15 (1.10 to 1.21)	1.00	250.63 (238.88 to 263.11)
	Non-communicable diseases	55.49 (46.57 to 66.06)	0.79	12100.88 (10155.03 to 14405.43)	0.95 (0.91 to 1.00)	0.83	208.15 (197.45 to 219.03)
	Cardiovascular diseases	9.49 (8.71 to 10.15)	0.14	2069.83 (1898.82 to 2213.94)	0.42 (0.39 to 0.45)	0.37	92.02 (86.07 to 97.93)
	Ischemic heart disease	5.38 (4.92 to 5.79)	0.08	1173.90 (1073.33 to 1263.02)	0.26 (0.24 to 0.28)	0.23	57.46 (53.23 to 61.59)
	Stroke	2.52 (2.26 to 2.77)	0.04	550.07 (493.27 to 603.97)	0.10 (0.09 to 0.11)	0.09	22.46 (20.44 to 24.43)
	Ischemic stroke	0.96 (0.84 to 1.09)	0.01	210.07 (182.51 to 237.06)	0.04 (0.04 to 0.05)	0.04	8.95 (8.06 to 9.89)
	Hypertensive heart disease	0.34 (0.29 to 0.39)	0.00	73.35 (62.93 to 84.17)	0.02 (0.01 to 0.02)	0.01	3.66 (3.11 to 4.26)
Mali	All causes	13994.42 (12135.29 to 16260.34)	1.00	69095.54 (59916.34 to 80283.18)	186.24 (164.66 to 212.95)	1.00	919.54 (812.99 to 1051.41)
	Non-communicable diseases	3386.05 (2939.28 to 3828.03)	0.24	16718.14 (14512.29 to 18900.38)	55.21 (48.32 to 61.90)	0.30	272.60 (238.56 to 305.62)
	Cardiovascular diseases	507.03 (443.39 to 571.12)	0.04	2503.41 (2189.16 to 2819.84)	18.04 (15.72 to 20.42)	0.10	89.05 (77.63 to 100.83)
	Ischemic heart disease	155.17 (129.13 to 184.41)	0.01	766.12 (637.58 to 910.50)	7.14 (6.01 to 8.41)	0.04	35.25 (29.69 to 41.51)
	Stroke	199.80 (168.43 to 238.27)	0.01	986.49 (831.60 to 1176.45)	7.20 (6.02 to 8.66)	0.04	35.54 (29.74 to 42.74)
	Ischemic stroke	56.96 (45.28 to 69.24)	0.00	281.24 (223.59 to 341.86)	2.45 (1.92 to 3.04)	0.01	12.09 (9.49 to 15.00)
	Hypertensive heart disease	20.98 (11.80 to 31.51)	0.00	103.60 (58.25 to 155.56)	0.82 (0.46 to 1.21)	0.00	4.03 (2.28 to 5.99)
Malta	All causes	122.20 (107.21 to 140.12)	1.00	28125.93 (24676.57 to 32249.51)	3.99 (3.84 to 4.14)	1.00	918.63 (883.66 to 953.85)
	Non-communicable diseases	107.53 (94.60 to 122.68)	0.88	24750.53 (21774.15 to 28235.80)	3.65 (3.51 to 3.79)	0.91	840.45 (807.86 to 872.71)
	Cardiovascular diseases	23.50 (22.29 to 24.75)	0.19	5408.03 (5131.17 to 5696.31)	1.57 (1.50 to 1.63)	0.39	361.03 (346.17 to 376.25)
	Ischemic heart disease	13.58 (12.91 to 14.26)	0.11	3126.45 (2971.44 to 3281.21)	0.97 (0.93 to 1.02)	0.24	223.27 (212.98 to 233.74)
	Stroke	5.15 (4.78 to 5.53)	0.04	1184.75 (1099.17 to 1272.69)	0.34 (0.32 to 0.36)	0.08	77.13 (72.58 to 81.88)
	Ischemic stroke	2.63 (2.38 to 2.89)	0.02	606.02 (547.15 to 664.07)	0.18 (0.17 to 0.19)	0.04	41.14 (38.31 to 44.04)
	Hypertensive heart disease	0.61 (0.49 to 0.71)	0.01	141.28 (113.86 to 163.32)	0.04 (0.03 to 0.05)	0.01	10.00 (6.63 to 11.33)
Marshall Islands	All causes	21.29 (18.92 to 23.65)	1.00	37806.23 (33600.99 to 42000.02)	0.42 (0.37 to 0.46)	1.00	737.09 (658.28 to 822.15)
	Non-communicable diseases	14.67 (12.95 to 16.48)	0.69	26055.07 (23000.62 to 29260.47)	0.32 (0.28 to 0.35)	0.76	562.10 (500.59 to 629.67)
	Cardiovascular diseases	4.87 (4.26 to 5.56)	0.23	8655.84 (7561.59 to 9872.51)	0.15 (0.14 to 0.17)	0.37	271.89 (239.74 to 309.27)
	Ischemic heart disease	2.14 (1.82 to 2.52)	0.10	3803.25 (3234.51 to 4480.22)	0.07 (0.06 to 0.08)	0.17	127.38 (110.07 to 147.42)
	Stroke	1.71 (1.46 to 2.01)	0.08	3039.87 (2597.04 to 3574.98)	0.05 (0.05 to 0.06)	0.13	95.48 (82.45 to 111.76)
	Ischemic stroke	0.35 (0.30 to 0.42)	0.02	623.19 (524.07 to 751.93)	0.01 (0.01 to 0.01)	0.03	21.93 (18.26 to 26.48)
	Hypertensive heart disease	0.25 (0.15 to 0.32)	0.01	437.06 (270.89 to 568.75)	0.01 (0.01 to 0.01)	0.02	14.68 (9.24 to 18.92)
Mauritania	All causes	1231.89 (1083.28 to 1415.77)	1.00	31474.58 (27677.60 to 36172.61)	20.05 (17.92 to 22.19)	1.00	512.27 (457.95 to 566.90)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths			
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate	
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)	
Mauritius	Non-communicable diseases	546.93 (470.01 to 638.16)	0.44	13973.87 (12008.70 to 16304.80)	10.35 (9.03 to 11.67)	0.52	264.42 (230.62 to 298.17)	
	Cardiovascular diseases	92.12 (79.95 to 105.38)	0.07	2353.72 (2042.65 to 2692.39)	3.92 (3.39 to 4.50)	0.20	100.26 (86.71 to 114.86)	
	Ischemic heart disease	39.40 (32.95 to 46.32)	0.03	1006.75 (841.83 to 1183.50)	1.93 (1.64 to 2.25)	0.10	49.21 (41.82 to 57.36)	
	Stroke	31.87 (27.07 to 37.01)	0.03	814.15 (691.65 to 945.49)	1.34 (1.13 to 1.57)	0.07	34.22 (28.82 to 40.04)	
	Ischemic stroke	11.71 (9.47 to 13.94)	0.01	299.08 (241.90 to 356.19)	0.55 (0.44 to 0.66)	0.03	13.96 (11.22 to 16.86)	
	Hypertensive heart disease	3.75 (2.15 to 5.74)	0.00	95.90 (55.01 to 146.72)	0.16 (0.09 to 0.24)	0.01	4.01 (2.22 to 6.10)	
	All causes	402.56 (361.11 to 449.23)	1.00	31645.39 (28386.28 to 35313.39)	10.33 (9.80 to 10.88)	1.00	812.24 (770.00 to 855.49)	
	Non-communicable diseases	333.71 (298.41 to 372.99)	0.83	26233.01 (23457.71 to 29320.82)	9.19 (8.72 to 9.69)	0.89	722.57 (685.12 to 761.86)	
	Cardiovascular diseases	71.73 (67.23 to 76.22)	0.18	5639.04 (5284.76 to 5991.72)	3.31 (3.13 to 3.50)	0.32	260.17 (245.88 to 275.11)	
	Ischemic heart disease	35.28 (32.73 to 37.85)	0.09	2773.60 (2572.78 to 2975.38)	1.74 (1.62 to 1.85)	0.17	136.73 (127.42 to 145.78)	
Mexico	Stroke	22.87 (21.23 to 24.54)	0.06	1797.72 (1669.18 to 1928.69)	1.00 (0.94 to 1.08)	0.10	78.89 (73.88 to 84.64)	
	Ischemic stroke	8.25 (7.43 to 9.11)	0.02	648.76 (583.90 to 716.00)	0.40 (0.37 to 0.43)	0.04	31.33 (29.05 to 33.92)	
	Hypertensive heart disease	6.29 (4.96 to 7.11)	0.02	494.66 (389.54 to 558.78)	0.34 (0.24 to 0.38)	0.03	26.59 (18.70 to 29.76)	
	All causes	31970.78 (28926.67 to 35394.45)	1.00	25259.42 (22854.34 to 27964.39)	711.32 (703.47 to 718.77)	1.00	562.00 (555.80 to 567.88)	
	Non-communicable diseases	22759.45 (20173.35 to 25791.92)	0.71	17981.75 (15938.53 to 20377.64)	560.04 (552.90 to 566.76)	0.79	442.48 (436.84 to 447.79)	
	Cardiovascular diseases	3280.17 (3155.91 to 3424.66)	0.10	2591.59 (2493.41 to 2705.75)	161.78 (158.67 to 165.26)	0.23	127.82 (125.36 to 130.57)	
	Ischemic heart disease	1841.67 (1778.62 to 1907.83)	0.06	1455.06 (1405.25 to 1507.34)	101.35 (97.66 to 104.44)	0.14	80.07 (77.16 to 82.52)	
	Stroke	785.04 (753.29 to 819.02)	0.02	620.24 (595.16 to 647.09)	36.65 (35.28 to 37.67)	0.05	28.96 (27.88 to 29.76)	
	Ischemic stroke	268.15 (247.07 to 288.97)	0.01	211.86 (195.21 to 228.31)	14.89 (14.25 to 15.41)	0.02	11.77 (11.26 to 12.18)	
	Hypertensive heart disease	157.93 (140.10 to 205.94)	0.00	124.77 (110.69 to 162.71)	9.07 (7.51 to 12.00)	0.01	7.17 (5.93 to 9.48)	
Moldova	All causes	1447.48 (1320.69 to 1591.93)	1.00	38891.64 (35485.13 to 42772.80)	41.80 (40.83 to 42.71)	1.00	1123.22 (1097.04 to 1147.64)	
	Non-communicable diseases	1162.88 (1060.60 to 1280.92)	0.80	31244.92 (28496.74 to 34416.55)	37.41 (36.56 to 38.26)	0.89	1005.14 (982.19 to 1028.03)	
	Cardiovascular diseases	419.29 (406.53 to 432.18)	0.29	11265.75 (10922.93 to 11612.16)	23.19 (22.61 to 23.80)	0.55	623.18 (607.50 to 639.53)	
	Ischemic heart disease	249.42 (239.85 to 266.02)	0.17	6701.52 (6444.44 to 7147.58)	15.22 (14.67 to 16.28)	0.36	408.86 (394.06 to 437.41)	
	Stroke	121.86 (115.04 to 130.02)	0.08	3274.11 (3090.92 to 3493.34)	5.77 (5.50 to 6.19)	0.14	155.15 (147.71 to 166.37)	
	Ischemic stroke	57.83 (53.40 to 62.44)	0.04	1553.86 (1434.73 to 1677.73)	2.82 (2.66 to 3.03)	0.07	75.65 (71.42 to 81.34)	
	Hypertensive heart disease	21.35 (6.34 to 25.11)	0.01	573.52 (170.40 to 674.78)	1.35 (0.28 to 1.61)	0.03	36.22 (7.65 to 43.30)	
	All causes	1087.76 (982.22 to 1200.75)	1.00	33454.82 (30208.92 to 36929.90)	21.21 (19.67 to 22.82)	1.00	652.33 (605.12 to 701.92)	
	Non-communicable diseases	716.57 (640.10 to 797.48)	0.66	22038.78 (19686.62 to 24527.11)	16.59 (15.38 to 17.87)	0.78	510.30 (473.12 to 549.47)	
	Cardiovascular diseases	205.36 (188.20 to 224.00)	0.19	6316.03 (5788.26 to 6889.21)	7.77 (7.15 to 8.46)	0.37	238.97 (219.97 to 260.17)	
Mongolia	Ischemic heart disease	91.56 (83.27 to 100.68)	0.08	2816.06 (2561.18 to 3096.57)	3.88 (3.54 to 4.24)	0.18	119.29 (108.94 to 130.49)	
	Stroke	92.10 (84.19 to 100.90)	0.08	2832.75 (2589.33 to 3103.34)	3.27 (2.98 to 3.59)	0.15	100.55 (91.69 to 110.26)	
	Ischemic stroke	9.30 (8.16 to 10.51)	0.01	285.90 (250.87 to 323.11)	0.26 (0.24 to 0.29)	0.01	8.12 (7.32 to 9.03)	
	Hypertensive heart disease	4.02 (3.39 to 4.62)	0.00	123.63 (104.14 to 142.09)	0.15 (0.13 to 0.18)	0.01	4.69 (3.93 to 5.47)	
	All causes	201.46 (179.93 to 227.12)	1.00	32166.37 (28728.39 to 36262.05)	6.50 (6.11 to 6.94)	1.00	1038.18 (975.08 to 1108.32)	
	Non-communicable diseases	171.56 (153.99 to 192.34)	0.85	27392.48 (24586.12 to 30709.13)	6.14 (5.77 to 6.56)	0.94	980.13 (921.14 to 1047.25)	
	Montenegro	Non-communicable diseases	171.56 (153.99 to 192.34)	0.85	27392.48 (24586.12 to 30709.13)	6.14 (5.77 to 6.56)	0.94	980.13 (921.14 to 1047.25)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Morocco	Cardiovascular diseases	63.29 (59.14 to 67.92)	0.31	10105.17 (9442.02 to 10844.43)	3.74 (3.52 to 3.98)	0.57	596.73 (561.41 to 635.09)
	Ischemic heart disease	24.90 (22.97 to 27.16)	0.12	3974.94 (3666.97 to 4336.24)	1.45 (1.34 to 1.57)	0.22	230.95 (214.02 to 250.23)
	Stroke	28.61 (26.53 to 30.82)	0.14	4567.63 (4236.43 to 4920.17)	1.80 (1.67 to 1.93)	0.28	286.92 (267.15 to 308.24)
	Ischemic stroke	5.91 (5.28 to 6.61)	0.03	943.49 (842.96 to 1054.58)	0.32 (0.29 to 0.35)	0.05	50.83 (45.68 to 56.64)
	Hypertensive heart disease	0.33 (0.28 to 0.38)	0.00	52.60 (44.96 to 60.86)	0.02 (0.02 to 0.02)	0.00	3.30 (2.52 to 3.88)
	All causes	10345.39 (8996.07 to 11846.88)	1.00	29151.04 (25348.95 to 33381.91)	220.71 (191.72 to 251.07)	1.00	621.92 (540.23 to 707.46)
	Non-communicable diseases	7846.07 (6709.86 to 9019.16)	0.76	22108.52 (18906.93 to 25414.03)	183.54 (159.24 to 209.70)	0.83	517.17 (448.71 to 590.89)
	Cardiovascular diseases	2462.67 (2131.04 to 2809.15)	0.24	6939.26 (6004.80 to 7915.57)	115.12 (99.55 to 131.42)	0.52	324.39 (280.50 to 370.32)
Mozambique	Ischemic heart disease	1562.97 (1324.94 to 1821.59)	0.15	4404.10 (3733.40 to 5132.84)	76.24 (65.40 to 88.13)	0.35	214.84 (184.28 to 248.33)
	Stroke	601.31 (493.96 to 712.61)	0.06	1694.37 (1391.88 to 2007.97)	27.15 (21.95 to 32.50)	0.12	76.51 (61.84 to 91.56)
	Ischemic stroke	348.63 (293.20 to 409.37)	0.03	982.36 (826.17 to 1153.52)	17.72 (14.50 to 21.18)	0.08	49.92 (40.85 to 59.69)
	Hypertensive heart disease	124.06 (56.17 to 159.18)	0.01	349.58 (158.27 to 448.54)	6.55 (2.71 to 8.69)	0.03	18.46 (7.64 to 24.49)
	All causes	16947.93 (15093.68 to 19110.05)	1.00	56426.69 (50253.14 to 63625.29)	256.85 (232.53 to 286.08)	1.00	855.16 (774.19 to 952.47)
	Non-communicable diseases	4618.67 (4011.28 to 5236.96)	0.27	15377.48 (13355.23 to 17436.01)	79.40 (69.90 to 89.01)	0.31	264.35 (232.72 to 296.35)
	Cardiovascular diseases	825.54 (723.33 to 929.40)	0.05	2748.56 (2408.28 to 3094.36)	29.83 (26.05 to 33.76)	0.12	99.33 (86.72 to 112.39)
	Ischemic heart disease	249.24 (215.46 to 287.76)	0.01	829.81 (717.34 to 958.08)	9.69 (8.35 to 11.15)	0.04	32.25 (27.81 to 37.14)
Myanmar	Stroke	381.82 (329.62 to 440.78)	0.02	1271.22 (1097.45 to 1467.55)	14.32 (12.25 to 16.57)	0.06	47.69 (40.80 to 55.15)
	Ischemic stroke	101.36 (79.03 to 127.66)	0.01	337.46 (263.13 to 425.04)	4.42 (3.36 to 5.62)	0.02	14.72 (11.19 to 18.71)
	Hypertensive heart disease	65.97 (36.72 to 96.86)	0.00	219.64 (122.27 to 322.49)	2.90 (1.60 to 4.49)	0.01	9.64 (5.34 to 14.95)
	All causes	18778.56 (16729.51 to 20917.77)	1.00	35568.82 (31687.68 to 39620.74)	409.96 (372.74 to 445.31)	1.00	776.52 (706.01 to 843.47)
	Non-communicable diseases	11875.38 (10484.60 to 13370.93)	0.63	22493.38 (19859.08 to 25326.13)	292.64 (264.16 to 319.59)	0.71	554.29 (500.35 to 605.34)
	Cardiovascular diseases	1832.53 (1637.05 to 2035.11)	0.10	3471.03 (3100.77 to 3854.74)	77.46 (69.99 to 84.93)	0.19	146.72 (132.57 to 160.86)
	Ischemic heart disease	685.27 (604.39 to 774.53)	0.04	1297.98 (1144.78 to 1467.05)	31.88 (28.36 to 35.80)	0.08	60.39 (53.72 to 67.82)
	Stroke	832.97 (736.85 to 926.67)	0.04	1577.75 (1395.68 to 1755.23)	35.53 (31.67 to 38.88)	0.09	67.30 (59.98 to 73.65)
Namibia	Ischemic stroke	288.57 (245.29 to 330.37)	0.02	546.58 (464.60 to 625.76)	13.80 (11.82 to 15.80)	0.03	26.13 (22.39 to 29.93)
	Hypertensive heart disease	86.08 (63.58 to 109.49)	0.00	163.04 (120.43 to 207.39)	3.88 (2.88 to 4.94)	0.01	7.34 (5.46 to 9.36)
	All causes	928.04 (822.59 to 1049.77)	1.00	39432.37 (34951.87 to 44604.52)	17.00 (15.26 to 18.95)	1.00	722.36 (648.38 to 805.04)
	Non-communicable diseases	347.20 (297.93 to 398.55)	0.37	14752.45 (12659.19 to 16934.48)	7.48 (6.65 to 8.51)	0.44	317.71 (282.64 to 361.67)
	Cardiovascular diseases	62.17 (54.93 to 70.89)	0.07	2641.73 (2333.90 to 3012.06)	3.00 (2.67 to 3.43)	0.18	127.58 (113.27 to 145.55)
	Ischemic heart disease	23.61 (20.46 to 27.48)	0.03	1003.12 (869.44 to 1167.73)	1.24 (1.09 to 1.42)	0.07	52.68 (46.35 to 60.43)
	Stroke	22.44 (19.46 to 26.03)	0.02	953.44 (826.69 to 1105.95)	1.12 (0.97 to 1.30)	0.07	47.71 (41.33 to 55.30)
	Ischemic stroke	7.38 (6.20 to 8.79)	0.01	313.56 (263.38 to 373.32)	0.42 (0.34 to 0.51)	0.02	17.76 (14.62 to 21.76)
Nepal	Hypertensive heart disease	5.23 (4.03 to 6.65)	0.01	222.33 (171.21 to 282.70)	0.28 (0.22 to 0.35)	0.02	11.86 (9.29 to 15.00)
	All causes	9015.32 (8073.81 to 10065.06)	1.00	30160.12 (27010.36 to 33671.95)	182.75 (166.24 to 197.58)	1.00	611.38 (556.15 to 661.00)
	Non-communicable diseases	5289.34 (4588.20 to 6066.05)	0.59	17695.12 (15349.51 to 20293.54)	120.83 (106.79 to 133.06)	0.66	404.22 (357.26 to 445.16)
	Cardiovascular diseases	1153.57 (982.13 to 1307.97)	0.13	3859.18 (3285.64 to 4375.72)	49.25 (42.64 to 55.46)	0.27	164.76 (142.66 to 185.53)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Netherlands	Ischemic heart disease	679.48 (565.02 to 783.20)	0.08	2273.16 (1890.23 to 2620.13)	30.03 (25.71 to 34.06)	0.16	100.45 (86.01 to 113.95)
	Stroke	314.43 (263.39 to 364.43)	0.03	1051.91 (881.16 to 1219.16)	13.80 (11.66 to 16.01)	0.08	46.17 (39.00 to 53.55)
	Ischemic stroke	120.68 (95.68 to 145.88)	0.01	403.74 (320.09 to 488.04)	5.84 (4.53 to 7.16)	0.03	19.53 (15.17 to 23.96)
	Hypertensive heart disease	30.32 (23.80 to 37.92)	0.00	101.44 (79.63 to 126.86)	1.50 (1.17 to 1.89)	0.01	5.02 (3.90 to 6.32)
	All causes	4591.39 (3981.60 to 5255.27)	1.00	26962.03 (23381.16 to 30860.55)	152.06 (145.36 to 159.47)	1.00	892.95 (853.59 to 936.46)
	Non-communicable diseases	4062.74 (3518.63 to 4644.45)	0.88	23857.63 (20662.44 to 27273.59)	136.93 (130.53 to 143.50)	0.90	804.10 (766.54 to 842.65)
	Cardiovascular diseases	596.25 (555.17 to 636.94)	0.13	3501.38 (3260.10 to 3740.29)	40.56 (38.56 to 42.75)	0.27	238.20 (226.44 to 251.06)
New Zealand	Ischemic heart disease	247.18 (231.66 to 262.73)	0.05	1451.53 (1360.36 to 1542.82)	18.26 (17.19 to 19.49)	0.12	107.26 (100.96 to 114.45)
	Stroke	171.76 (156.79 to 186.08)	0.04	1008.60 (920.73 to 1092.73)	10.94 (10.26 to 11.85)	0.07	64.23 (60.25 to 69.58)
	Ischemic stroke	93.03 (82.31 to 103.41)	0.02	546.30 (483.35 to 607.27)	5.77 (5.37 to 6.25)	0.04	33.88 (31.55 to 36.69)
	Hypertensive heart disease	9.93 (7.58 to 11.33)	0.00	58.33 (44.50 to 66.51)	0.87 (0.49 to 1.00)	0.01	5.10 (2.86 to 5.90)
	All causes	1162.70 (1005.91 to 1347.45)	1.00	26137.73 (22612.98 to 30290.75)	32.62 (31.32 to 34.09)	1.00	733.33 (704.15 to 766.30)
	Non-communicable diseases	950.72 (826.77 to 1103.70)	0.82	21372.20 (18585.95 to 24811.40)	29.80 (28.61 to 31.17)	0.91	669.88 (643.08 to 700.68)
	Cardiovascular diseases	161.34 (152.28 to 171.77)	0.14	3627.00 (3423.19 to 3861.49)	10.90 (10.39 to 11.48)	0.33	244.99 (233.56 to 258.01)
Nicaragua	Ischemic heart disease	81.27 (77.02 to 86.10)	0.07	1826.91 (1731.40 to 1935.52)	5.97 (5.67 to 6.32)	0.18	134.23 (127.39 to 142.18)
	Stroke	36.64 (33.78 to 39.67)	0.03	823.65 (759.33 to 891.70)	2.45 (2.30 to 2.61)	0.08	55.04 (51.66 to 58.74)
	Ischemic stroke	18.47 (16.52 to 20.58)	0.02	415.31 (371.38 to 462.74)	1.28 (1.19 to 1.38)	0.04	28.77 (26.85 to 30.97)
	Hypertensive heart disease	3.37 (2.85 to 5.17)	0.00	75.71 (63.99 to 116.18)	0.22 (0.19 to 0.38)	0.01	4.96 (4.19 to 8.43)
	All causes	1288.60 (1131.39 to 1453.39)	1.00	20145.23 (17687.46 to 22721.42)	23.17 (21.39 to 25.17)	1.00	362.28 (334.42 to 393.54)
	Non-communicable diseases	883.76 (755.85 to 1023.71)	0.69	13816.17 (11816.41 to 16004.11)	17.94 (16.47 to 19.62)	0.77	280.51 (257.55 to 306.67)
	Cardiovascular diseases	120.76 (108.38 to 133.40)	0.09	1887.85 (1694.39 to 2085.54)	6.03 (5.50 to 6.61)	0.26	94.32 (86.04 to 103.40)
Niger	Ischemic heart disease	62.88 (56.41 to 70.02)	0.05	983.00 (881.90 to 1094.67)	3.56 (3.24 to 3.89)	0.15	55.62 (50.67 to 60.85)
	Stroke	30.72 (27.56 to 34.35)	0.02	480.18 (430.90 to 537.01)	1.49 (1.34 to 1.66)	0.06	23.35 (20.94 to 25.93)
	Ischemic stroke	9.11 (8.09 to 10.28)	0.01	142.49 (126.44 to 160.71)	0.54 (0.48 to 0.59)	0.02	8.41 (7.48 to 9.30)
	Hypertensive heart disease	9.11 (7.92 to 10.42)	0.01	142.47 (123.75 to 162.84)	0.49 (0.42 to 0.57)	0.02	7.69 (6.64 to 8.88)
	All causes	13115.64 (11364.32 to 15207.67)	1.00	61357.01 (53164.08 to 71143.83)	172.90 (151.61 to 198.65)	1.00	808.86 (709.26 to 929.30)
	Non-communicable diseases	2830.54 (2431.18 to 3267.76)	0.22	13241.70 (11373.46 to 15287.10)	41.82 (36.08 to 48.01)	0.24	195.63 (168.79 to 224.58)
	Cardiovascular diseases	412.92 (352.65 to 471.15)	0.03	1931.71 (1649.73 to 2204.10)	13.97 (11.90 to 16.08)	0.08	65.34 (55.67 to 75.21)
Nigeria	Ischemic heart disease	125.58 (93.00 to 158.40)	0.01	587.51 (435.07 to 741.02)	5.32 (3.96 to 6.59)	0.03	24.88 (18.52 to 30.81)
	Stroke	166.30 (137.55 to 196.74)	0.01	777.97 (643.49 to 920.37)	5.78 (4.72 to 6.88)	0.03	27.04 (22.09 to 32.18)
	Ischemic stroke	53.65 (40.89 to 69.92)	0.00	251.00 (191.27 to 327.10)	2.18 (1.61 to 2.89)	0.01	10.18 (7.54 to 13.50)
	Hypertensive heart disease	18.33 (9.67 to 29.53)	0.00	85.74 (45.23 to 138.15)	0.69 (0.35 to 1.14)	0.00	3.24 (1.66 to 5.33)
	All causes	117672.21 (102236.47 to 137185.57)	1.00	57098.05 (49608.17 to 66566.52)	1582.43 (1345.84 to 1895.74)	1.00	767.84 (653.04 to 919.87)
	Non-communicable diseases	28148.57 (23516.09 to 34221.93)	0.24	13658.52 (11410.71 to 16605.50)	426.62 (337.57 to 555.88)	0.27	207.01 (163.80 to 269.73)
	Cardiovascular diseases	3076.05 (2370.75 to 4071.63)	0.03	1492.59 (1150.36 to 1975.68)	122.52 (92.56 to 163.27)	0.08	59.45 (44.91 to 79.22)
	Ischemic heart disease	1035.74 (755.35 to 1450.22)	0.01	502.57 (366.52 to 703.69)	51.10 (38.04 to 69.37)	0.03	24.80 (18.46 to 33.66)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
North Korea	Stroke	1083.49 (830.01 to 1447.06)	0.01	525.74 (402.75 to 702.16)	45.52 (34.10 to 61.45)	0.03	22.09 (16.55 to 29.82)
	Ischemic stroke	396.78 (296.17 to 520.17)	0.00	192.53 (143.71 to 252.40)	19.00 (13.37 to 25.78)	0.01	9.22 (6.49 to 12.51)
	Hypertensive heart disease	143.34 (86.45 to 219.93)	0.00	69.55 (41.95 to 106.72)	5.70 (3.23 to 8.97)	0.00	2.76 (1.57 to 4.35)
	All causes	8652.55 (7614.73 to 9687.50)	1.00	33645.72 (29610.12 to 37670.14)	235.06 (209.70 to 259.51)	1.00	914.05 (815.43 to 1009.10)
	Non-communicable diseases	6818.85 (6002.54 to 7638.42)	0.79	26515.33 (23341.06 to 29702.22)	204.45 (181.83 to 226.46)	0.87	795.02 (707.05 to 880.60)
	Cardiovascular diseases	1992.48 (1753.57 to 2232.77)	0.23	7747.81 (6818.82 to 8682.18)	90.24 (79.31 to 101.41)	0.38	350.90 (308.39 to 394.35)
	Ischemic heart disease	629.68 (528.47 to 735.49)	0.07	2448.51 (2054.97 to 2859.97)	30.48 (25.16 to 35.54)	0.13	118.50 (97.82 to 138.19)
	Stroke	1114.40 (975.13 to 1259.14)	0.13	4333.37 (3791.81 to 4896.22)	49.42 (43.24 to 56.29)	0.21	192.18 (168.14 to 218.87)
Northern Mariana Islands	Ischemic stroke	382.32 (321.18 to 438.97)	0.04	1486.66 (1248.90 to 1706.94)	17.96 (14.49 to 20.77)	0.08	69.82 (56.33 to 80.76)
	Hypertensive heart disease	90.63 (66.73 to 121.67)	0.01	352.40 (259.50 to 473.11)	5.05 (3.57 to 7.30)	0.02	19.65 (13.90 to 28.38)
	All causes	12.18 (10.70 to 13.88)	1.00	27138.94 (23847.41 to 30922.24)	0.27 (0.24 to 0.29)	1.00	591.56 (540.96 to 642.45)
	Non-communicable diseases	9.94 (8.72 to 11.42)	0.82	22158.05 (19437.63 to 25441.46)	0.23 (0.21 to 0.25)	0.85	503.82 (461.78 to 548.49)
	Cardiovascular diseases	2.20 (1.99 to 2.41)	0.18	4898.51 (4441.66 to 5380.61)	0.08 (0.07 to 0.09)	0.31	182.03 (165.62 to 199.47)
	Ischemic heart disease	1.03 (0.92 to 1.15)	0.08	2298.39 (2053.83 to 2564.96)	0.04 (0.04 to 0.05)	0.15	91.52 (83.04 to 100.97)
	Stroke	0.77 (0.69 to 0.85)	0.06	1712.78 (1538.68 to 1890.07)	0.03 (0.02 to 0.03)	0.10	61.95 (55.42 to 68.53)
	Ischemic stroke	0.21 (0.18 to 0.24)	0.02	471.69 (407.24 to 534.92)	0.01 (0.01 to 0.01)	0.03	15.97 (14.22 to 18.03)
Norway	Hypertensive heart disease	0.06 (0.05 to 0.07)	0.01	136.31 (118.02 to 158.30)	0.00 (0.00 to 0.00)	0.01	5.17 (4.52 to 6.12)
	All causes	1322.07 (1142.13 to 1528.77)	1.00	25119.19 (21700.36 to 29046.54)	41.37 (40.76 to 41.99)	1.00	786.11 (774.40 to 797.75)
	Non-communicable diseases	1133.37 (977.82 to 1310.78)	0.86	21534.02 (18578.45 to 24904.72)	36.56 (36.01 to 37.11)	0.88	694.58 (684.28 to 705.16)
	Cardiovascular diseases	176.50 (166.51 to 186.86)	0.13	3353.47 (3163.60 to 3550.40)	12.89 (12.54 to 13.36)	0.31	244.83 (238.17 to 253.80)
	Ischemic heart disease	80.12 (76.63 to 84.68)	0.06	1522.36 (1455.91 to 1608.92)	6.54 (6.31 to 6.97)	0.16	124.25 (119.82 to 132.35)
	Stroke	50.86 (46.05 to 55.62)	0.04	966.26 (874.92 to 1056.75)	3.20 (3.07 to 3.41)	0.08	60.72 (58.29 to 64.85)
	Ischemic stroke	29.58 (25.76 to 33.31)	0.02	562.10 (489.43 to 632.93)	1.79 (1.72 to 1.90)	0.04	34.03 (32.65 to 36.03)
	Hypertensive heart disease	2.30 (1.92 to 2.86)	0.00	43.73 (36.40 to 54.40)	0.19 (0.12 to 0.21)	0.00	3.64 (2.33 to 3.95)
Oman	All causes	890.45 (754.19 to 1034.34)	1.00	19631.57 (16627.53 to 22803.73)	11.18 (9.70 to 12.79)	1.00	246.41 (213.92 to 281.88)
	Non-communicable diseases	626.62 (513.68 to 745.75)	0.70	13815.05 (11324.96 to 16441.40)	7.52 (6.49 to 8.58)	0.67	165.85 (143.00 to 189.09)
	Cardiovascular diseases	121.21 (103.77 to 140.45)	0.14	2672.18 (2287.76 to 3096.41)	4.13 (3.53 to 4.77)	0.37	91.01 (77.80 to 105.17)
	Ischemic heart disease	73.06 (60.68 to 86.74)	0.08	1610.79 (1337.86 to 1912.32)	2.84 (2.40 to 3.32)	0.25	62.71 (52.99 to 73.20)
	Stroke	27.20 (23.44 to 31.32)	0.03	599.67 (516.70 to 690.42)	0.85 (0.72 to 0.98)	0.08	18.68 (15.92 to 21.55)
	Ischemic stroke	9.76 (8.29 to 11.31)	0.01	215.09 (182.75 to 249.28)	0.34 (0.29 to 0.41)	0.03	7.56 (6.29 to 8.94)
	Hypertensive heart disease	1.82 (1.49 to 2.25)	0.00	40.08 (32.83 to 49.69)	0.05 (0.04 to 0.08)	0.00	1.19 (0.92 to 1.83)
	All causes	84322.25 (74324.40 to 94898.95)	1.00	39350.07 (34684.44 to 44285.82)	1416.04 (1249.53 to 1589.76)	1.00	660.81 (583.11 to 741.88)
Pakistan	Non-communicable diseases	40091.44 (34964.68 to 45701.60)	0.48	18709.19 (16316.72 to 21327.24)	854.00 (735.06 to 977.27)	0.60	398.53 (343.03 to 456.06)
	Cardiovascular diseases	9685.49 (8186.39 to 11296.19)	0.12	4519.86 (3820.28 to 5271.51)	381.42 (324.45 to 440.91)	0.27	178.00 (151.41 to 205.75)
	Ischemic heart disease	5386.17 (4434.71 to 6388.13)	0.06	2513.52 (2069.52 to 2981.10)	216.93 (182.64 to 255.25)	0.15	101.23 (85.23 to 119.11)
	Stroke	2877.83 (2397.47 to 3352.69)	0.03	1342.98 (1118.81 to 1564.58)	117.38 (97.26 to 137.88)	0.08	54.78 (45.39 to 64.34)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Palestine	Ischemic stroke	980.24 (769.69 to 1206.55)	0.01	457.44 (359.18 to 563.05)	46.72 (36.21 to 57.67)	0.03	21.80 (16.90 to 26.91)
	Hypertensive heart disease	302.90 (223.84 to 417.11)	0.00	141.35 (104.46 to 194.65)	14.26 (10.76 to 19.20)	0.01	6.66 (5.02 to 8.96)
	All causes	983.30 (854.62 to 1129.78)	1.00	20265.41 (17613.36 to 23284.34)	14.45 (13.80 to 15.13)	1.00	297.76 (284.48 to 311.88)
	Non-communicable diseases	681.64 (580.44 to 797.32)	0.69	14048.45 (11962.75 to 16432.57)	11.33 (10.80 to 11.92)	0.78	233.48 (222.67 to 245.72)
	Cardiovascular diseases	123.71 (115.97 to 131.77)	0.13	2549.52 (2390.01 to 2715.80)	5.33 (5.02 to 5.67)	0.37	109.78 (103.50 to 116.78)
	Ischemic heart disease	68.14 (63.43 to 73.40)	0.07	1404.25 (1307.33 to 1512.73)	3.13 (2.92 to 3.36)	0.22	64.46 (60.11 to 69.19)
	Stroke	34.62 (31.85 to 37.30)	0.04	713.42 (656.41 to 768.73)	1.55 (1.44 to 1.67)	0.11	31.99 (29.66 to 34.33)
Panama	Ischemic stroke	21.59 (19.70 to 23.50)	0.02	444.88 (406.09 to 484.41)	1.07 (0.98 to 1.16)	0.07	22.02 (20.25 to 23.94)
	Hypertensive heart disease	4.84 (4.23 to 6.60)	0.00	99.82 (87.11 to 136.07)	0.24 (0.21 to 0.33)	0.02	5.03 (4.36 to 6.82)
	All causes	880.65 (774.73 to 993.74)	1.00	22459.42 (19758.05 to 25343.62)	18.98 (18.07 to 19.88)	1.00	484.01 (460.85 to 507.00)
	Non-communicable diseases	599.96 (516.35 to 690.57)	0.68	15300.95 (13168.56 to 17611.75)	14.61 (13.89 to 15.31)	0.77	372.61 (354.34 to 390.57)
	Cardiovascular diseases	98.16 (92.05 to 104.45)	0.11	2503.52 (2347.60 to 2663.79)	5.25 (4.97 to 5.53)	0.28	133.78 (126.65 to 141.11)
	Ischemic heart disease	42.02 (39.35 to 44.80)	0.05	1071.74 (1003.67 to 1142.67)	2.54 (2.37 to 2.71)	0.13	64.75 (60.48 to 69.18)
	Stroke	30.28 (28.44 to 32.16)	0.03	772.28 (725.40 to 820.13)	1.74 (1.63 to 1.86)	0.09	44.35 (41.47 to 47.33)
Papua New Guinea	Ischemic stroke	10.60 (9.72 to 11.49)	0.01	270.23 (247.89 to 292.94)	0.73 (0.67 to 0.78)	0.04	18.53 (16.99 to 19.94)
	Hypertensive heart disease	4.81 (4.17 to 6.05)	0.01	122.55 (106.33 to 154.31)	0.27 (0.23 to 0.37)	0.01	6.81 (5.95 to 9.56)
	All causes	4854.05 (4264.25 to 5549.05)	1.00	52603.89 (46212.18 to 60135.73)	84.87 (74.54 to 96.52)	1.00	919.74 (807.79 to 1045.98)
	Non-communicable diseases	2633.57 (2300.12 to 3000.99)	0.54	28540.26 (24926.62 to 32522.03)	52.76 (46.43 to 60.25)	0.62	571.75 (503.16 to 652.95)
	Cardiovascular diseases	844.23 (725.70 to 992.54)	0.17	9148.98 (7864.46 to 10756.24)	23.55 (20.50 to 27.30)	0.28	255.18 (222.17 to 295.89)
	Ischemic heart disease	355.39 (295.05 to 430.08)	0.07	3851.44 (3197.52 to 4660.79)	10.95 (9.26 to 12.97)	0.13	118.62 (100.40 to 140.52)
	Stroke	290.69 (241.95 to 350.38)	0.06	3150.21 (2622.02 to 3797.09)	8.02 (6.67 to 9.59)	0.09	86.92 (72.29 to 103.92)
Paraguay	Ischemic stroke	53.02 (43.32 to 64.64)	0.01	574.59 (469.44 to 700.50)	1.62 (1.30 to 1.99)	0.02	17.54 (14.05 to 21.59)
	Hypertensive heart disease	34.77 (19.10 to 45.85)	0.01	376.78 (207.03 to 496.85)	1.07 (0.60 to 1.39)	0.01	11.63 (6.52 to 15.09)
	All causes	1616.04 (1399.92 to 1863.83)	1.00	23315.58 (20197.44 to 26890.58)	32.70 (28.81 to 37.32)	1.00	471.72 (415.68 to 538.43)
	Non-communicable diseases	1133.32 (964.96 to 1325.97)	0.70	16350.99 (13921.98 to 19130.55)	25.03 (21.91 to 28.76)	0.77	361.17 (316.05 to 414.94)
	Cardiovascular diseases	205.12 (178.98 to 237.05)	0.13	2959.32 (2582.28 to 3420.03)	9.84 (8.60 to 11.32)	0.30	141.90 (124.05 to 163.36)
	Ischemic heart disease	95.41 (82.18 to 111.45)	0.06	1376.50 (1185.62 to 1607.98)	4.93 (4.28 to 5.68)	0.15	71.14 (61.81 to 81.97)
	Stroke	68.06 (59.18 to 78.72)	0.04	981.88 (853.89 to 1135.74)	3.30 (2.88 to 3.82)	0.10	47.63 (41.49 to 55.06)
Peru	Ischemic stroke	18.97 (16.65 to 21.67)	0.01	273.72 (240.23 to 312.64)	1.13 (0.98 to 1.31)	0.03	16.27 (14.11 to 18.86)
	Hypertensive heart disease	11.79 (7.96 to 14.29)	0.01	170.11 (114.85 to 206.21)	0.66 (0.37 to 0.82)	0.02	9.57 (5.35 to 11.77)
	All causes	7014.83 (6038.31 to 8052.03)	1.00	21116.53 (18176.95 to 24238.77)	141.76 (126.72 to 157.91)	1.00	426.73 (381.45 to 475.35)
	Non-communicable diseases	4608.53 (3852.01 to 5399.41)	0.66	13872.92 (11595.59 to 16253.69)	99.49 (88.35 to 111.60)	0.70	299.48 (265.97 to 335.95)
	Cardiovascular diseases	569.75 (501.20 to 638.69)	0.08	1715.10 (1508.74 to 1922.62)	27.72 (24.48 to 30.94)	0.20	83.44 (73.70 to 93.14)
	Ischemic heart disease	259.51 (226.65 to 295.50)	0.04	781.20 (682.26 to 889.54)	15.11 (13.35 to 16.99)	0.11	45.49 (40.19 to 51.15)
	Stroke	167.37 (146.38 to 187.98)	0.02	503.84 (440.66 to 565.87)	7.98 (7.00 to 9.00)	0.06	24.04 (21.07 to 27.08)
	Ischemic stroke	59.10 (51.44 to 66.83)	0.01	177.92 (154.86 to 201.17)	3.76 (3.31 to 4.22)	0.03	11.30 (9.97 to 12.71)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Philippines	Hypertensive heart disease	20.94 (16.27 to 24.83)	0.00	63.04 (48.99 to 74.74)	1.05 (0.83 to 1.27)	0.01	3.16 (2.49 to 3.83)
	All causes	32543.80 (29256.04 to 36279.80)	1.00	31452.21 (28274.73 to 35062.90)	666.56 (598.76 to 736.92)	1.00	644.20 (578.67 to 712.20)
	Non-communicable diseases	21108.73 (18592.20 to 23852.09)	0.65	20400.70 (17968.58 to 23052.04)	462.18 (411.16 to 512.54)	0.69	446.68 (397.37 to 495.34)
	Cardiovascular diseases	5675.42 (5010.41 to 6362.59)	0.17	5485.05 (4842.35 to 6149.18)	217.55 (192.77 to 242.37)	0.33	210.26 (186.30 to 234.24)
	Ischemic heart disease	2578.36 (2259.91 to 2933.63)	0.08	2491.87 (2184.11 to 2835.23)	105.23 (93.09 to 118.50)	0.16	101.71 (89.97 to 114.53)
	Stroke	1971.83 (1734.82 to 2217.56)	0.06	1905.69 (1676.63 to 2143.18)	73.30 (64.63 to 82.40)	0.11	70.84 (62.46 to 79.64)
	Ischemic stroke	482.17 (424.99 to 540.92)	0.01	466.00 (410.73 to 522.77)	20.96 (18.50 to 23.49)	0.03	20.26 (17.88 to 22.70)
Poland	Hypertensive heart disease	564.64 (323.94 to 664.11)	0.02	545.71 (313.08 to 641.83)	24.57 (14.26 to 28.72)	0.04	23.75 (13.79 to 27.76)
	All causes	12570.49 (11156.23 to 14154.48)	1.00	32741.56 (29057.92 to 36867.28)	394.35 (379.11 to 411.21)	1.00	1027.14 (987.44 to 1071.05)
	Non-communicable diseases	10358.44 (9227.30 to 11569.51)	0.82	26979.97 (24033.76 to 30134.37)	359.32 (345.40 to 374.83)	0.91	935.90 (899.63 to 976.29)
	Cardiovascular diseases	2776.50 (2618.46 to 2925.34)	0.22	7231.77 (6820.13 to 7619.45)	168.71 (162.01 to 176.16)	0.43	439.43 (421.98 to 458.83)
	Ischemic heart disease	1420.86 (1350.82 to 1496.73)	0.11	3700.84 (3518.39 to 3898.44)	97.69 (93.28 to 102.40)	0.25	254.45 (242.96 to 266.71)
	Stroke	740.45 (681.18 to 795.72)	0.06	1928.61 (1774.23 to 2072.56)	39.30 (37.13 to 41.62)	0.10	102.37 (96.72 to 108.41)
	Ischemic stroke	460.98 (414.66 to 503.77)	0.04	1200.68 (1080.03 to 1312.13)	26.28 (24.60 to 28.01)	0.07	68.44 (64.09 to 72.94)
Portugal	Hypertensive heart disease	70.50 (61.16 to 107.62)	0.01	183.63 (159.30 to 280.30)	4.20 (3.62 to 7.16)	0.01	10.93 (9.43 to 18.64)
	All causes	3149.87 (2746.60 to 3597.81)	1.00	29488.43 (25713.15 to 33681.94)	113.75 (108.93 to 118.56)	1.00	1064.94 (1019.74 to 1109.93)
	Non-communicable diseases	2726.31 (2374.08 to 3117.78)	0.87	25523.15 (22225.68 to 29188.02)	100.74 (96.41 to 105.16)	0.89	943.15 (902.62 to 984.46)
	Cardiovascular diseases	496.63 (464.35 to 525.87)	0.16	4649.31 (4347.11 to 4923.11)	36.94 (35.13 to 38.77)	0.32	345.86 (328.90 to 362.98)
	Ischemic heart disease	174.21 (162.35 to 185.50)	0.06	1630.93 (1519.89 to 1736.64)	13.76 (12.87 to 14.69)	0.12	128.83 (120.50 to 137.55)
	Stroke	204.94 (191.87 to 218.21)	0.07	1918.59 (1796.22 to 2042.84)	15.82 (14.89 to 16.82)	0.14	148.11 (139.35 to 157.51)
	Ischemic stroke	98.90 (90.74 to 106.92)	0.03	925.91 (849.47 to 1000.92)	8.22 (7.63 to 8.86)	0.07	76.97 (71.48 to 82.91)
Puerto Rico	Hypertensive heart disease	14.99 (9.61 to 16.97)	0.00	140.33 (89.96 to 158.91)	1.41 (0.61 to 1.66)	0.01	13.22 (5.72 to 15.56)
	All causes	1126.78 (1013.91 to 1260.86)	1.00	30737.06 (27657.94 to 34394.49)	34.52 (33.09 to 35.97)	1.00	941.65 (902.74 to 981.17)
	Non-communicable diseases	841.02 (741.89 to 960.58)	0.75	22941.74 (20237.80 to 26203.22)	27.65 (26.43 to 28.93)	0.80	754.16 (720.98 to 789.13)
	Cardiovascular diseases	144.66 (135.63 to 153.54)	0.13	3946.07 (3699.71 to 4188.38)	8.45 (8.02 to 8.90)	0.24	230.43 (218.87 to 242.91)
	Ischemic heart disease	72.46 (68.24 to 77.13)	0.06	1976.70 (1861.58 to 2103.96)	4.49 (4.25 to 4.79)	0.13	122.53 (115.88 to 130.61)
	Stroke	31.90 (29.49 to 34.56)	0.03	870.26 (804.35 to 942.87)	1.87 (1.74 to 2.01)	0.05	50.97 (47.55 to 54.80)
	Ischemic stroke	13.94 (12.30 to 15.40)	0.01	380.31 (335.55 to 420.08)	0.85 (0.78 to 0.92)	0.02	23.11 (21.32 to 25.22)
Qatar	Hypertensive heart disease	14.13 (10.47 to 16.08)	0.01	385.35 (285.59 to 438.63)	0.80 (0.58 to 0.91)	0.02	21.85 (15.77 to 24.93)
	All causes	448.13 (365.06 to 533.31)	1.00	16311.49 (13287.91 to 19412.10)	3.75 (3.16 to 4.38)	1.00	136.34 (115.16 to 159.53)
	Non-communicable diseases	343.94 (274.15 to 415.22)	0.77	12519.29 (9978.76 to 15113.60)	2.49 (2.12 to 2.89)	0.66	90.63 (77.12 to 105.08)
	Cardiovascular diseases	32.29 (27.09 to 37.97)	0.07	1175.36 (986.01 to 1382.05)	0.92 (0.77 to 1.08)	0.24	33.40 (27.96 to 39.37)
	Ischemic heart disease	18.73 (15.44 to 22.47)	0.04	681.66 (561.99 to 818.01)	0.64 (0.53 to 0.76)	0.17	23.26 (19.42 to 27.63)
	Stroke	7.98 (6.65 to 9.30)	0.02	290.41 (241.91 to 338.50)	0.18 (0.15 to 0.21)	0.05	6.40 (5.33 to 7.59)
	Ischemic stroke	2.74 (2.27 to 3.26)	0.01	99.77 (82.60 to 118.70)	0.06 (0.05 to 0.07)	0.01	2.02 (1.70 to 2.39)
	Hypertensive heart disease	0.52 (0.42 to 0.65)	0.00	18.94 (15.46 to 23.69)	0.01 (0.01 to 0.02)	0.00	0.44 (0.36 to 0.67)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Romania	All causes	7559.01 (6827.27 to 8378.24)	1.00	38896.25 (35130.98 to 43111.78)	261.10 (250.66 to 270.83)	1.00	1343.54 (1289.84 to 1393.61)
	Non-communicable diseases	6291.89 (5718.10 to 6944.81)	0.83	32376.05 (29423.52 to 35735.78)	242.44 (232.48 to 251.59)	0.93	1247.52 (1196.29 to 1294.60)
	Cardiovascular diseases	2305.35 (2196.16 to 2407.43)	0.31	11862.60 (11300.74 to 12387.88)	144.85 (139.12 to 150.33)	0.55	745.35 (715.88 to 773.57)
	Ischemic heart disease	1003.80 (954.35 to 1057.81)	0.13	5165.26 (4910.78 to 5443.14)	67.53 (64.43 to 71.26)	0.26	347.49 (331.56 to 366.67)
	Stroke	831.01 (775.96 to 881.83)	0.11	4276.13 (3992.84 to 4537.63)	49.81 (47.41 to 52.75)	0.19	256.29 (243.97 to 271.42)
	Ischemic stroke	420.52 (384.39 to 455.70)	0.06	2163.86 (1977.97 to 2344.89)	26.07 (24.55 to 28.09)	0.10	134.17 (126.34 to 144.52)
	Hypertensive heart disease	165.19 (116.00 to 184.51)	0.02	850.02 (596.91 to 949.41)	12.01 (7.30 to 13.29)	0.05	61.78 (37.57 to 68.40)
Russian Federation	All causes	61229.88 (56133.02 to 67051.69)	1.00	41883.81 (38397.34 to 45866.17)	1834.72 (1822.20 to 1846.66)	1.00	1255.03 (1246.46 to 1263.19)
	Non-communicable diseases	47626.09 (43525.60 to 52290.04)	0.78	32578.24 (29773.34 to 35768.58)	1605.09 (1593.57 to 1615.80)	0.87	1097.95 (1090.07 to 1105.27)
	Cardiovascular diseases	18642.92 (18258.71 to 19024.25)	0.31	12752.54 (12489.73 to 13013.38)	1000.22 (991.37 to 1013.34)	0.55	684.19 (678.14 to 693.17)
	Ischemic heart disease	9602.95 (9428.80 to 9971.27)	0.16	6568.82 (6449.69 to 6820.76)	562.92 (555.00 to 578.87)	0.31	385.06 (379.65 to 395.97)
	Stroke	5802.50 (5546.90 to 6051.18)	0.09	3969.15 (3794.31 to 4139.26)	317.55 (312.22 to 326.52)	0.17	217.22 (213.57 to 223.35)
	Ischemic stroke	3712.43 (3508.12 to 3905.65)	0.06	2539.46 (2399.70 to 2671.63)	219.73 (215.86 to 226.81)	0.12	150.31 (147.66 to 155.15)
	Hypertensive heart disease	325.11 (222.51 to 350.26)	0.01	222.39 (152.21 to 239.59)	17.41 (10.46 to 18.75)	0.01	11.91 (7.15 to 12.83)
Rwanda	All causes	4434.80 (3929.50 to 5017.53)	1.00	35325.34 (31300.35 to 39967.00)	68.23 (61.91 to 75.08)	1.00	543.48 (493.16 to 598.07)
	Non-communicable diseases	1736.39 (1496.74 to 2001.03)	0.39	13831.21 (11922.23 to 15939.18)	29.83 (26.62 to 33.28)	0.44	237.61 (212.04 to 265.12)
	Cardiovascular diseases	203.07 (179.32 to 229.05)	0.05	1617.52 (1428.36 to 1824.45)	8.13 (7.13 to 9.22)	0.12	64.72 (56.76 to 73.40)
	Ischemic heart disease	55.71 (39.78 to 72.58)	0.01	443.75 (316.89 to 578.12)	2.52 (1.77 to 3.33)	0.04	20.06 (14.07 to 26.55)
	Stroke	77.86 (62.12 to 93.06)	0.02	620.16 (494.83 to 741.26)	3.27 (2.52 to 3.99)	0.05	26.03 (20.05 to 31.81)
	Ischemic stroke	24.09 (16.00 to 32.40)	0.01	191.89 (127.48 to 258.10)	1.15 (0.71 to 1.57)	0.02	9.14 (5.65 to 12.53)
	Hypertensive heart disease	25.19 (12.17 to 40.71)	0.01	200.65 (96.98 to 324.26)	1.24 (0.59 to 2.07)	0.02	9.91 (4.67 to 16.47)
Saint Lucia	All causes	50.19 (44.98 to 55.91)	1.00	28439.89 (25489.61 to 31681.20)	1.33 (1.27 to 1.40)	1.00	753.46 (719.02 to 790.50)
	Non-communicable diseases	38.68 (34.38 to 43.28)	0.77	21916.16 (19482.18 to 24524.65)	1.11 (1.06 to 1.17)	0.84	630.12 (600.60 to 662.44)
	Cardiovascular diseases	8.30 (7.80 to 8.79)	0.17	4701.64 (4417.69 to 4982.34)	0.42 (0.40 to 0.44)	0.32	239.20 (226.40 to 251.70)
	Ischemic heart disease	2.51 (2.32 to 2.69)	0.05	1421.07 (1314.48 to 1526.51)	0.14 (0.13 to 0.15)	0.10	78.00 (72.09 to 83.78)
	Stroke	2.90 (2.70 to 3.11)	0.06	1644.98 (1529.33 to 1761.91)	0.15 (0.14 to 0.16)	0.12	86.83 (80.59 to 92.62)
	Ischemic stroke	0.99 (0.91 to 1.07)	0.02	560.41 (513.53 to 605.04)	0.06 (0.06 to 0.07)	0.05	34.27 (31.36 to 36.87)
	Hypertensive heart disease	0.72 (0.59 to 0.88)	0.01	408.70 (337.13 to 497.94)	0.04 (0.03 to 0.05)	0.03	22.17 (17.58 to 28.34)
Saint Vincent and the Grenadines	All causes	37.77 (34.15 to 41.67)	1.00	33096.44 (29925.40 to 36517.19)	1.01 (0.96 to 1.05)	1.00	880.87 (844.11 to 920.86)
	Non-communicable diseases	28.50 (25.65 to 31.52)	0.75	24976.32 (22476.46 to 27626.19)	0.83 (0.79 to 0.86)	0.82	724.44 (694.41 to 758.02)
	Cardiovascular diseases	6.88 (6.52 to 7.25)	0.18	6030.68 (5709.87 to 6356.23)	0.35 (0.33 to 0.37)	0.35	305.04 (290.84 to 320.28)
	Ischemic heart disease	2.78 (2.62 to 2.95)	0.07	2439.67 (2293.37 to 2587.49)	0.16 (0.15 to 0.17)	0.16	136.92 (129.03 to 145.20)
	Stroke	2.10 (1.96 to 2.24)	0.06	1836.52 (1713.61 to 1958.88)	0.11 (0.10 to 0.11)	0.10	92.06 (86.51 to 98.15)
	Ischemic stroke	0.74 (0.68 to 0.80)	0.02	649.21 (598.85 to 699.35)	0.04 (0.04 to 0.05)	0.04	37.39 (34.63 to 40.27)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Samoa	Hypertensive heart disease	0.80 (0.64 to 0.91)	0.02	702.57 (556.67 to 796.61)	0.04 (0.03 to 0.05)	0.04	36.02 (27.88 to 40.79)
	All causes	50.05 (44.40 to 56.71)	1.00	25162.69 (22320.95 to 28509.59)	1.08 (0.98 to 1.18)	1.00	544.82 (493.08 to 592.79)
	Non-communicable diseases	35.66 (31.15 to 40.81)	0.71	17925.42 (15660.19 to 20515.72)	0.88 (0.79 to 0.96)	0.81	440.11 (394.81 to 481.05)
	Cardiovascular diseases	9.57 (8.45 to 10.61)	0.19	4811.28 (4250.39 to 5332.72)	0.41 (0.37 to 0.45)	0.38	206.59 (184.47 to 225.95)
	Ischemic heart disease	4.37 (3.77 to 4.92)	0.09	2194.82 (1896.48 to 2473.17)	0.20 (0.18 to 0.23)	0.19	102.65 (90.09 to 114.38)
	Stroke	3.20 (2.79 to 3.61)	0.06	1610.05 (1401.82 to 1812.60)	0.14 (0.12 to 0.15)	0.13	68.26 (59.75 to 76.78)
	Ischemic stroke	0.90 (0.77 to 1.03)	0.02	450.39 (384.66 to 517.10)	0.04 (0.03 to 0.05)	0.04	21.12 (17.58 to 24.69)
Sao Tome and Principe	Hypertensive heart disease	0.51 (0.37 to 0.64)	0.01	254.43 (187.64 to 323.44)	0.02 (0.02 to 0.03)	0.02	11.33 (8.18 to 14.37)
	All causes	58.25 (51.40 to 65.43)	1.00	29094.90 (25671.80 to 32683.42)	1.05 (0.96 to 1.14)	1.00	525.80 (480.63 to 571.89)
	Non-communicable diseases	34.12 (29.76 to 39.02)	0.59	17044.01 (14863.65 to 19490.01)	0.70 (0.63 to 0.76)	0.66	347.23 (313.02 to 381.42)
	Cardiovascular diseases	6.05 (5.35 to 6.79)	0.10	3020.02 (2670.88 to 3393.50)	0.24 (0.21 to 0.27)	0.23	118.99 (104.69 to 133.87)
	Ischemic heart disease	2.20 (1.88 to 2.55)	0.04	1097.25 (939.01 to 1274.19)	0.10 (0.09 to 0.12)	0.10	51.39 (44.08 to 59.28)
	Stroke	2.27 (1.96 to 2.67)	0.04	1133.02 (979.67 to 1331.70)	0.09 (0.08 to 0.11)	0.09	45.30 (38.93 to 54.32)
	Ischemic stroke	0.88 (0.73 to 1.07)	0.02	437.33 (365.53 to 535.63)	0.04 (0.03 to 0.05)	0.04	20.02 (16.64 to 25.00)
Saudi Arabia	Hypertensive heart disease	0.12 (0.09 to 0.16)	0.00	61.57 (43.10 to 79.90)	0.00 (0.00 to 0.01)	0.00	2.17 (1.40 to 2.96)
	All causes	6939.82 (5894.88 to 8009.52)	1.00	20148.10 (17114.37 to 23253.70)	94.59 (85.54 to 105.51)	1.00	274.61 (248.33 to 306.34)
	Non-communicable diseases	4945.28 (4107.18 to 5872.88)	0.71	14357.42 (11924.21 to 17050.48)	63.55 (58.01 to 70.99)	0.67	184.51 (168.43 to 206.10)
	Cardiovascular diseases	915.42 (801.03 to 1052.26)	0.13	2657.71 (2325.60 to 3054.98)	31.57 (28.44 to 35.36)	0.33	91.65 (82.56 to 102.65)
	Ischemic heart disease	566.02 (491.50 to 658.74)	0.08	1643.30 (1426.95 to 1912.48)	21.02 (18.86 to 23.62)	0.22	61.02 (54.75 to 68.56)
	Stroke	224.03 (191.81 to 259.65)	0.03	650.41 (556.86 to 753.82)	7.51 (6.68 to 8.50)	0.08	21.81 (19.39 to 24.69)
	Ischemic stroke	95.32 (82.15 to 109.88)	0.01	276.73 (238.50 to 319.01)	3.45 (3.05 to 3.95)	0.04	10.01 (8.84 to 11.48)
Senegal	Hypertensive heart disease	10.66 (8.43 to 14.03)	0.00	30.95 (24.48 to 40.72)	0.31 (0.25 to 0.43)	0.00	0.91 (0.72 to 1.24)
	All causes	5338.68 (4703.38 to 6118.30)	1.00	36347.16 (32021.83 to 41654.98)	87.60 (79.60 to 96.70)	1.00	596.40 (541.95 to 658.33)
	Non-communicable diseases	2197.08 (1899.86 to 2513.50)	0.41	14958.30 (12934.72 to 17112.56)	41.84 (37.61 to 46.36)	0.48	284.87 (256.08 to 315.66)
	Cardiovascular diseases	364.24 (320.87 to 410.98)	0.07	2479.83 (2184.59 to 2798.04)	14.79 (13.11 to 16.69)	0.17	100.72 (89.22 to 113.63)
	Ischemic heart disease	155.33 (133.85 to 179.45)	0.03	1057.56 (911.31 to 1221.77)	7.20 (6.27 to 8.23)	0.08	49.01 (42.71 to 56.01)
	Stroke	133.65 (117.21 to 152.41)	0.03	909.91 (797.99 to 1037.67)	5.36 (4.68 to 6.12)	0.06	36.46 (31.88 to 41.69)
	Ischemic stroke	43.35 (36.04 to 52.96)	0.01	295.16 (245.37 to 360.55)	1.96 (1.59 to 2.42)	0.02	13.33 (10.83 to 16.47)
Serbia	Hypertensive heart disease	14.31 (8.05 to 21.74)	0.00	97.41 (54.79 to 148.01)	0.57 (0.31 to 0.87)	0.01	3.90 (2.13 to 5.94)
	All causes	3280.87 (2963.76 to 3655.68)	1.00	36971.30 (33397.92 to 41194.98)	123.69 (118.56 to 128.88)	1.00	1393.78 (1335.97 to 1452.28)
	Non-communicable diseases	2832.37 (2573.34 to 3131.62)	0.86	31917.26 (28998.28 to 35289.40)	117.35 (112.51 to 122.37)	0.95	1322.39 (1267.80 to 1378.94)
	Cardiovascular diseases	991.24 (936.32 to 1046.72)	0.30	11170.06 (10551.12 to 11795.27)	67.12 (63.94 to 70.68)	0.54	756.31 (720.58 to 796.49)
	Ischemic heart disease	438.51 (411.58 to 470.64)	0.13	4941.45 (4637.96 to 5303.53)	31.33 (29.52 to 33.62)	0.25	353.05 (332.71 to 378.85)
	Stroke	400.20 (372.82 to 429.17)	0.12	4509.75 (4201.19 to 4836.21)	26.26 (24.70 to 28.15)	0.21	295.92 (278.37 to 317.20)
	Ischemic stroke	281.54 (259.28 to 304.37)	0.09	3172.60 (2921.73 to 3429.90)	19.41 (18.10 to 20.94)	0.16	218.73 (203.98 to 235.98)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Seychelles	Hypertensive heart disease	32.93 (28.10 to 36.70)	0.01	371.03 (316.62 to 413.53)	2.68 (2.03 to 3.03)	0.02	30.19 (22.89 to 34.14)
	All causes	29.45 (26.71 to 32.43)	1.00	29181.51 (26467.80 to 32138.33)	0.76 (0.73 to 0.79)	1.00	755.70 (726.61 to 785.01)
	Non-communicable diseases	22.59 (20.17 to 25.30)	0.77	22390.69 (19988.64 to 25073.99)	0.60 (0.57 to 0.62)	0.78	592.57 (568.82 to 615.91)
	Cardiovascular diseases	5.31 (5.03 to 5.59)	0.18	5258.54 (4983.14 to 5539.97)	0.24 (0.23 to 0.25)	0.31	233.90 (223.13 to 244.39)
	Ischemic heart disease	1.96 (1.82 to 2.10)	0.07	1941.54 (1802.85 to 2084.37)	0.09 (0.09 to 0.10)	0.12	92.30 (85.91 to 98.64)
	Stroke	1.36 (1.26 to 1.48)	0.05	1352.30 (1244.03 to 1462.03)	0.06 (0.05 to 0.06)	0.07	54.52 (50.12 to 58.55)
	Ischemic stroke	0.53 (0.46 to 0.59)	0.02	521.76 (460.08 to 580.75)	0.02 (0.02 to 0.03)	0.03	23.50 (21.30 to 25.92)
Sierra Leone	Hypertensive heart disease	1.15 (0.93 to 1.37)	0.04	1139.26 (918.87 to 1358.10)	0.06 (0.05 to 0.07)	0.08	57.13 (46.94 to 68.79)
	All causes	4820.57 (4170.33 to 5545.74)	1.00	61567.32 (53262.64 to 70829.04)	71.23 (63.05 to 80.33)	1.00	909.70 (805.32 to 1025.91)
	Non-communicable diseases	1357.74 (1171.02 to 1554.41)	0.28	17340.77 (14955.99 to 19852.56)	23.98 (21.07 to 27.38)	0.34	306.24 (269.11 to 349.68)
	Cardiovascular diseases	261.83 (227.88 to 297.82)	0.05	3344.00 (2910.49 to 3803.73)	9.66 (8.45 to 11.03)	0.14	123.37 (107.92 to 140.92)
	Ischemic heart disease	108.05 (90.89 to 126.66)	0.02	1380.02 (1160.87 to 1617.72)	4.63 (3.97 to 5.37)	0.07	59.15 (50.64 to 68.59)
	Stroke	93.79 (80.88 to 107.76)	0.02	1197.91 (1033.02 to 1376.30)	3.44 (2.97 to 3.98)	0.05	43.93 (37.99 to 50.86)
	Ischemic stroke	28.21 (24.20 to 32.64)	0.01	360.27 (309.12 to 416.82)	1.21 (1.03 to 1.40)	0.02	15.42 (13.13 to 17.94)
Singapore	Hypertensive heart disease	10.10 (5.40 to 14.24)	0.00	129.06 (69.03 to 181.83)	0.39 (0.21 to 0.54)	0.01	4.95 (2.65 to 6.86)
	All causes	958.20 (812.17 to 1128.01)	1.00	17207.64 (14585.14 to 20257.03)	19.84 (18.86 to 20.90)	1.00	356.30 (338.74 to 375.30)
	Non-communicable diseases	769.74 (647.34 to 910.12)	0.80	13823.08 (11624.98 to 16344.15)	15.96 (15.19 to 16.83)	0.80	286.59 (272.76 to 302.24)
	Cardiovascular diseases	135.04 (125.08 to 145.27)	0.14	2425.08 (2246.25 to 2608.77)	6.16 (5.85 to 6.51)	0.31	110.64 (104.99 to 116.94)
	Ischemic heart disease	64.13 (58.91 to 70.32)	0.07	1151.65 (1057.84 to 1262.73)	3.46 (3.24 to 3.71)	0.17	62.17 (58.14 to 66.64)
	Stroke	38.64 (33.77 to 43.19)	0.04	693.95 (606.54 to 775.58)	1.46 (1.37 to 1.57)	0.07	26.21 (24.65 to 28.17)
	Ischemic stroke	17.34 (14.33 to 20.31)	0.02	311.33 (257.36 to 364.71)	0.62 (0.57 to 0.66)	0.03	11.07 (10.17 to 11.93)
Slovakia	Hypertensive heart disease	13.00 (6.64 to 15.01)	0.01	233.37 (119.16 to 269.53)	0.61 (0.37 to 0.69)	0.03	10.90 (6.58 to 12.41)
	All causes	1734.67 (1538.29 to 1953.95)	1.00	32009.70 (28385.88 to 36055.94)	52.78 (50.41 to 55.29)	1.00	973.98 (930.21 to 1020.20)
	Non-communicable diseases	1439.70 (1284.21 to 1615.95)	0.83	26566.63 (23697.31 to 29818.88)	48.10 (45.93 to 50.42)	0.91	887.65 (847.47 to 930.48)
	Cardiovascular diseases	427.83 (400.59 to 459.02)	0.25	7894.76 (7392.04 to 8470.30)	25.22 (23.98 to 26.66)	0.48	465.30 (442.47 to 491.96)
	Ischemic heart disease	246.14 (231.26 to 266.58)	0.14	4541.92 (4267.46 to 4919.18)	16.89 (15.98 to 17.98)	0.32	311.58 (294.88 to 331.76)
	Stroke	105.67 (96.60 to 115.79)	0.06	1950.00 (1782.59 to 2136.73)	5.21 (4.84 to 5.63)	0.10	96.11 (89.38 to 103.91)
	Ischemic stroke	69.11 (62.08 to 76.20)	0.04	1275.36 (1145.59 to 1406.14)	3.46 (3.21 to 3.76)	0.07	63.92 (59.17 to 69.41)
Slovenia	Hypertensive heart disease	15.93 (10.53 to 18.19)	0.01	293.94 (194.38 to 335.67)	0.96 (0.60 to 1.11)	0.02	17.71 (11.03 to 20.56)
	All causes	622.87 (545.28 to 714.10)	1.00	30107.05 (26356.54 to 34516.85)	19.90 (18.85 to 21.04)	1.00	962.08 (911.26 to 1016.97)
	Non-communicable diseases	506.04 (446.04 to 576.24)	0.81	24459.66 (21559.97 to 27853.20)	17.86 (16.91 to 18.87)	0.90	863.42 (817.23 to 912.30)
	Cardiovascular diseases	108.14 (100.71 to 116.51)	0.17	5226.92 (4868.09 to 5631.49)	7.45 (7.03 to 7.93)	0.37	360.11 (340.00 to 383.34)
	Ischemic heart disease	44.54 (41.11 to 49.08)	0.07	2153.01 (1987.30 to 2372.56)	3.35 (3.10 to 3.84)	0.17	162.11 (149.73 to 185.54)
	Stroke	30.64 (27.93 to 33.52)	0.05	1481.05 (1350.07 to 1620.43)	1.89 (1.74 to 2.15)	0.10	91.41 (84.10 to 104.13)
	Ischemic stroke	18.18 (16.12 to 20.15)	0.03	878.78 (779.07 to 973.99)	1.12 (1.02 to 1.28)	0.06	54.12 (49.39 to 62.07)
	Hypertensive heart disease	7.00 (4.25 to 8.05)	0.01	338.16 (205.41 to 388.91)	0.61 (0.26 to 0.72)	0.03	29.35 (12.47 to 34.77)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Solomon Islands	All causes	225.44 (199.94 to 252.07)	1.00	35356.97 (31358.63 to 39534.31)	4.13 (3.71 to 4.59)	1.00	648.02 (582.28 to 719.92)
	Non-communicable diseases	126.84 (110.50 to 144.08)	0.56	19892.90 (17330.99 to 22596.60)	2.63 (2.35 to 2.92)	0.64	412.69 (368.91 to 457.89)
	Cardiovascular diseases	36.46 (31.97 to 40.98)	0.16	5717.50 (5013.77 to 6426.83)	1.26 (1.13 to 1.40)	0.31	198.17 (177.07 to 219.98)
	Ischemic heart disease	18.37 (15.90 to 20.91)	0.08	2880.52 (2493.69 to 3279.51)	0.66 (0.58 to 0.74)	0.16	103.55 (91.53 to 115.77)
	Stroke	11.83 (10.37 to 13.28)	0.05	1855.95 (1626.99 to 2083.28)	0.43 (0.38 to 0.48)	0.10	67.03 (59.95 to 74.76)
	Ischemic stroke	2.94 (2.53 to 3.44)	0.01	460.91 (397.16 to 538.89)	0.12 (0.10 to 0.14)	0.03	18.53 (15.70 to 21.82)
	Hypertensive heart disease	1.41 (0.85 to 1.73)	0.01	221.03 (133.66 to 271.96)	0.05 (0.03 to 0.06)	0.01	8.13 (5.03 to 9.94)
Somalia	All causes	9844.82 (8045.64 to 12252.13)	1.00	58321.04 (47662.68 to 72582.04)	145.66 (115.65 to 185.44)	1.00	862.87 (685.14 to 1098.54)
	Non-communicable diseases	2574.17 (2107.51 to 3112.85)	0.26	15249.45 (12484.97 to 18440.66)	46.45 (36.04 to 58.22)	0.32	275.18 (213.53 to 344.91)
	Cardiovascular diseases	517.26 (403.17 to 654.52)	0.05	3064.29 (2388.39 to 3877.41)	18.05 (14.14 to 22.58)	0.12	106.92 (83.80 to 133.74)
	Ischemic heart disease	207.38 (157.37 to 270.11)	0.02	1228.55 (932.29 to 1600.17)	7.85 (6.00 to 10.08)	0.05	46.53 (35.57 to 59.69)
	Stroke	187.77 (141.22 to 238.45)	0.02	1112.37 (836.59 to 1412.58)	6.80 (5.10 to 8.65)	0.05	40.31 (30.22 to 51.22)
	Ischemic stroke	48.69 (34.79 to 67.56)	0.00	288.45 (206.10 to 400.22)	1.99 (1.37 to 2.85)	0.01	11.81 (8.13 to 16.86)
	Hypertensive heart disease	40.48 (22.18 to 68.88)	0.00	239.82 (131.39 to 408.05)	1.65 (0.88 to 2.89)	0.01	9.75 (5.24 to 17.09)
South Africa	All causes	24022.71 (22314.42 to 26071.54)	1.00	43715.12 (40606.47 to 47443.46)	475.37 (458.47 to 495.03)	1.00	865.05 (834.29 to 900.83)
	Non-communicable diseases	9432.85 (8272.79 to 10771.13)	0.39	17165.36 (15054.33 to 19600.67)	211.38 (204.41 to 216.53)	0.44	384.65 (371.98 to 394.03)
	Cardiovascular diseases	1679.42 (1611.02 to 1756.40)	0.07	3056.11 (2931.64 to 3196.20)	76.67 (74.19 to 79.87)	0.16	139.52 (135.01 to 145.34)
	Ischemic heart disease	650.67 (618.92 to 687.08)	0.03	1184.05 (1126.27 to 1250.31)	31.90 (30.43 to 33.63)	0.07	58.05 (55.38 to 61.20)
	Stroke	546.65 (514.69 to 580.71)	0.02	994.76 (936.61 to 1056.73)	25.03 (23.72 to 26.51)	0.05	45.56 (43.17 to 48.25)
	Ischemic stroke	171.99 (156.74 to 186.60)	0.01	312.98 (285.22 to 339.56)	8.59 (8.10 to 9.18)	0.02	15.64 (14.74 to 16.70)
	Hypertensive heart disease	185.84 (168.23 to 213.45)	0.01	338.17 (306.13 to 388.42)	9.66 (8.62 to 10.78)	0.02	17.58 (15.68 to 19.62)
South Korea	All causes	11871.12 (10281.67 to 13804.61)	1.00	22538.36 (19520.65 to 26209.27)	299.61 (284.40 to 315.10)	1.00	568.85 (539.95 to 598.24)
	Non-communicable diseases	9556.66 (8209.31 to 11177.83)	0.80	18144.15 (15586.08 to 21222.08)	249.40 (236.97 to 262.52)	0.83	473.50 (449.91 to 498.41)
	Cardiovascular diseases	1232.83 (1129.95 to 1335.06)	0.10	2340.64 (2145.31 to 2534.74)	66.79 (62.28 to 71.36)	0.22	126.80 (118.25 to 135.49)
	Ischemic heart disease	370.89 (342.79 to 401.98)	0.03	704.17 (650.81 to 763.20)	24.75 (22.88 to 26.73)	0.08	47.00 (43.44 to 50.75)
	Stroke	619.78 (560.89 to 677.70)	0.05	1176.71 (1064.90 to 1286.67)	30.66 (28.30 to 33.05)	0.10	58.21 (53.73 to 62.75)
	Ischemic stroke	308.63 (268.23 to 346.40)	0.03	585.97 (509.26 to 657.68)	15.53 (14.15 to 16.87)	0.05	29.49 (26.87 to 32.03)
	Hypertensive heart disease	58.96 (49.55 to 87.12)	0.00	111.95 (94.08 to 165.41)	4.14 (3.44 to 6.28)	0.01	7.87 (6.54 to 11.92)
South Sudan	All causes	7064.92 (6021.44 to 8298.79)	1.00	71068.46 (60571.70 to 83480.35)	97.28 (82.43 to 116.21)	1.00	978.56 (829.17 to 1169.05)
	Non-communicable diseases	1470.29 (1236.33 to 1759.88)	0.21	14790.16 (12436.70 to 17703.27)	24.97 (19.80 to 31.68)	0.26	251.19 (199.17 to 318.67)
	Cardiovascular diseases	240.65 (190.30 to 307.55)	0.03	2420.77 (1914.26 to 3093.75)	8.42 (6.60 to 10.65)	0.09	84.72 (66.35 to 107.15)
	Ischemic heart disease	89.07 (66.70 to 117.12)	0.01	896.00 (670.92 to 1178.13)	3.52 (2.68 to 4.57)	0.04	35.42 (26.97 to 45.94)
	Stroke	85.54 (67.13 to 110.89)	0.01	860.47 (675.25 to 1115.45)	3.16 (2.45 to 4.07)	0.03	31.82 (24.67 to 40.92)
	Ischemic stroke	21.37 (15.70 to 29.09)	0.00	214.97 (157.97 to 292.59)	0.91 (0.64 to 1.27)	0.01	9.15 (6.42 to 12.80)
	Hypertensive heart disease	17.87 (9.45 to 29.61)	0.00	179.79 (95.11 to 297.82)	0.76 (0.40 to 1.27)	0.01	7.63 (4.06 to 12.77)
Spain	All causes	11701.35 (10191.15 to 13433.48)	1.00	25224.30 (21968.80 to 28958.21)	416.52 (400.32 to 432.61)	1.00	897.88 (862.97 to 932.57)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Sri Lanka	Non-communicable diseases	10268.13 (8967.45 to 11777.18)	0.88	22134.74 (19330.90 to 25387.75)	384.88 (369.75 to 400.17)	0.92	829.67 (797.05 to 862.64)
	Cardiovascular diseases	1681.34 (1566.88 to 1789.85)	0.14	3624.41 (3377.68 to 3858.33)	123.58 (117.64 to 129.94)	0.30	266.39 (253.58 to 280.10)
	Ischemic heart disease	697.28 (654.27 to 744.93)	0.06	1503.10 (1410.38 to 1605.82)	55.23 (51.91 to 59.57)	0.13	119.07 (111.91 to 128.42)
	Stroke	459.10 (416.81 to 499.90)	0.04	989.68 (898.51 to 1077.61)	32.38 (30.22 to 35.27)	0.08	69.81 (65.14 to 76.03)
	Ischemic stroke	232.77 (203.85 to 260.13)	0.02	501.77 (439.44 to 560.75)	16.45 (15.23 to 17.95)	0.04	35.46 (32.84 to 38.70)
	Hypertensive heart disease	56.85 (33.16 to 65.02)	0.00	122.54 (71.47 to 140.17)	5.94 (2.17 to 7.06)	0.01	12.81 (4.67 to 15.21)
	All causes	5169.41 (4480.18 to 6014.39)	1.00	23936.38 (20745.00 to 27849.01)	126.00 (109.30 to 142.48)	1.00	583.41 (506.11 to 659.75)
	Non-communicable diseases	3983.50 (3395.85 to 4671.21)	0.77	18445.19 (15724.14 to 21629.56)	102.39 (88.53 to 115.51)	0.81	474.10 (409.95 to 534.86)
	Cardiovascular diseases	888.83 (771.59 to 1013.01)	0.17	4115.61 (3572.75 to 4690.65)	41.87 (36.25 to 47.25)	0.33	193.86 (167.85 to 218.77)
	Ischemic heart disease	466.01 (397.00 to 538.49)	0.09	2157.83 (1838.27 to 2493.41)	23.42 (20.26 to 26.78)	0.19	108.43 (93.83 to 123.99)
Sudan	Stroke	243.28 (210.76 to 278.00)	0.05	1126.49 (975.90 to 1287.24)	11.71 (10.03 to 13.32)	0.09	54.22 (46.43 to 61.68)
	Ischemic stroke	131.62 (113.01 to 149.16)	0.03	609.43 (523.26 to 690.68)	6.97 (5.97 to 7.90)	0.06	32.27 (27.63 to 36.58)
	Hypertensive heart disease	39.43 (23.39 to 50.39)	0.01	182.58 (108.32 to 233.33)	1.83 (1.07 to 2.33)	0.01	8.48 (4.97 to 10.80)
	All causes	14301.44 (12477.75 to 16437.46)	1.00	35526.64 (30996.35 to 40832.77)	209.01 (183.23 to 236.53)	1.00	519.20 (455.16 to 587.58)
	Non-communicable diseases	7347.28 (6296.44 to 8521.57)	0.51	18251.59 (15641.18 to 21168.69)	125.60 (108.38 to 142.91)	0.60	312.01 (269.22 to 355.00)
	Cardiovascular diseases	1749.53 (1474.84 to 2047.22)	0.12	4346.07 (3663.70 to 5085.57)	69.01 (58.02 to 80.48)	0.33	171.43 (144.14 to 199.93)
	Ischemic heart disease	963.47 (776.97 to 1172.03)	0.07	2393.40 (1930.08 to 2911.48)	41.75 (34.03 to 50.20)	0.20	103.71 (84.53 to 124.71)
	Stroke	480.57 (391.51 to 580.50)	0.03	1193.79 (972.55 to 1442.04)	18.20 (14.35 to 22.46)	0.09	45.22 (35.64 to 55.80)
	Ischemic stroke	244.94 (199.41 to 298.44)	0.02	608.46 (495.36 to 741.37)	11.02 (8.70 to 13.63)	0.05	27.37 (21.61 to 33.85)
	Hypertensive heart disease	93.37 (41.11 to 129.49)	0.01	231.94 (102.11 to 321.68)	4.48 (1.83 to 6.42)	0.02	11.14 (4.54 to 15.96)
Suriname	All causes	186.20 (167.17 to 207.64)	1.00	32526.55 (29201.41 to 36272.13)	4.30 (3.95 to 4.64)	1.00	750.74 (689.30 to 810.25)
	Non-communicable diseases	128.25 (113.57 to 144.61)	0.69	22403.50 (19839.32 to 25260.17)	3.29 (3.02 to 3.56)	0.76	574.23 (526.80 to 621.93)
	Cardiovascular diseases	31.12 (28.29 to 33.91)	0.17	5436.46 (4941.25 to 5924.01)	1.40 (1.27 to 1.51)	0.32	243.79 (222.35 to 264.50)
	Ischemic heart disease	12.63 (11.23 to 13.97)	0.07	2205.71 (1961.99 to 2439.46)	0.59 (0.53 to 0.64)	0.14	102.43 (92.11 to 111.86)
	Stroke	11.93 (10.73 to 13.07)	0.06	2084.62 (1874.25 to 2282.89)	0.55 (0.50 to 0.60)	0.13	96.27 (86.98 to 105.10)
	Ischemic stroke	3.13 (2.80 to 3.46)	0.02	547.42 (489.92 to 604.58)	0.17 (0.15 to 0.18)	0.04	29.03 (25.86 to 32.10)
	Hypertensive heart disease	2.22 (1.88 to 2.88)	0.01	388.04 (328.25 to 503.67)	0.11 (0.09 to 0.14)	0.03	18.83 (15.91 to 25.20)
Swaziland	All causes	576.62 (520.67 to 641.32)	1.00	51280.62 (46304.67 to 57035.05)	10.12 (9.05 to 11.33)	1.00	900.40 (805.04 to 1007.19)
	Non-communicable diseases	197.35 (170.88 to 228.04)	0.34	17551.21 (15196.64 to 20280.26)	4.10 (3.47 to 4.83)	0.40	364.37 (308.18 to 429.38)
	Cardiovascular diseases	37.64 (31.29 to 44.47)	0.07	3347.09 (2782.43 to 3954.47)	1.46 (1.21 to 1.75)	0.14	130.28 (107.76 to 155.65)
	Ischemic heart disease	14.21 (11.39 to 17.13)	0.02	1263.76 (1012.99 to 1523.33)	0.60 (0.48 to 0.72)	0.06	53.31 (43.11 to 64.30)
	Stroke	13.76 (11.27 to 16.66)	0.02	1223.78 (1002.69 to 1481.28)	0.56 (0.45 to 0.68)	0.05	49.42 (40.18 to 60.42)
	Ischemic stroke	3.52 (2.84 to 4.36)	0.01	313.42 (252.96 to 387.35)	0.16 (0.13 to 0.21)	0.02	14.49 (11.33 to 18.26)
	Hypertensive heart disease	3.29 (2.23 to 4.50)	0.01	292.35 (198.51 to 400.35)	0.14 (0.09 to 0.19)	0.01	12.22 (8.39 to 16.69)
Sweden	All causes	2615.62 (2257.67 to 3007.73)	1.00	26039.04 (22475.58 to 29942.53)	91.94 (88.31 to 95.50)	1.00	915.29 (879.15 to 950.76)
	Non-communicable diseases	2270.82 (1964.53 to 2616.43)	0.87	22606.46 (19557.25 to 26047.06)	83.21 (79.94 to 86.46)	0.91	828.38 (795.84 to 860.73)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Switzerland	Cardiovascular diseases	452.31 (423.09 to 482.38)	0.17	4502.84 (4211.99 to 4802.16)	34.16 (32.67 to 35.73)	0.37	340.11 (325.24 to 355.66)
	Ischemic heart disease	220.26 (206.72 to 239.68)	0.08	2192.73 (2057.98 to 2386.07)	18.32 (17.26 to 20.22)	0.20	182.35 (171.80 to 201.25)
	Stroke	109.30 (99.46 to 119.70)	0.04	1088.10 (990.16 to 1191.63)	7.62 (7.11 to 8.50)	0.08	75.89 (70.76 to 84.58)
	Ischemic stroke	66.07 (58.56 to 73.82)	0.03	657.78 (582.95 to 734.93)	4.62 (4.28 to 5.19)	0.05	46.02 (42.60 to 51.70)
	Hypertensive heart disease	12.76 (5.42 to 14.97)	0.00	127.01 (53.94 to 148.99)	1.24 (0.29 to 1.48)	0.01	12.37 (2.89 to 14.78)
	All causes	2067.72 (1763.99 to 2406.03)	1.00	24062.56 (20528.01 to 27999.58)	64.57 (61.60 to 67.41)	1.00	751.36 (716.89 to 784.41)
	Non-communicable diseases	1784.21 (1519.12 to 2080.14)	0.86	20763.30 (17678.44 to 24207.17)	58.23 (55.54 to 60.81)	0.90	677.59 (646.33 to 707.64)
	Cardiovascular diseases	266.11 (246.91 to 284.44)	0.13	3096.77 (2873.33 to 3310.10)	21.28 (20.16 to 22.41)	0.33	247.64 (234.63 to 260.81)
	Ischemic heart disease	125.57 (115.65 to 138.54)	0.06	1461.34 (1345.85 to 1612.20)	11.36 (10.52 to 12.85)	0.18	132.20 (122.42 to 149.54)
Syria	Stroke	59.82 (53.41 to 66.13)	0.03	696.17 (621.50 to 769.56)	4.19 (3.82 to 4.83)	0.06	48.80 (44.48 to 56.20)
	Ischemic stroke	35.93 (31.17 to 40.72)	0.02	418.14 (362.70 to 473.89)	2.54 (2.28 to 2.99)	0.04	29.52 (26.50 to 34.80)
	Hypertensive heart disease	13.84 (6.39 to 16.10)	0.01	161.07 (74.33 to 187.33)	1.54 (0.38 to 1.86)	0.02	17.95 (4.43 to 21.66)
	All causes	6453.50 (5891.79 to 7065.43)	1.00	35593.37 (32495.32 to 38968.39)	114.38 (105.92 to 124.49)	1.00	630.86 (584.17 to 686.60)
	Non-communicable diseases	3120.84 (2673.41 to 3606.35)	0.48	17212.57 (14744.82 to 19890.33)	64.82 (57.04 to 73.60)	0.57	357.48 (314.59 to 405.94)
	Cardiovascular diseases	992.52 (857.72 to 1141.83)	0.15	5474.12 (4730.61 to 6297.60)	41.38 (36.30 to 47.24)	0.36	228.23 (200.19 to 260.56)
	Ischemic heart disease	696.88 (596.49 to 812.91)	0.11	3843.57 (3289.85 to 4483.50)	31.19 (27.24 to 35.79)	0.27	172.05 (150.24 to 197.42)
	Stroke	205.39 (177.54 to 232.98)	0.03	1132.81 (979.22 to 1284.99)	7.54 (6.56 to 8.57)	0.07	41.59 (36.19 to 47.26)
	Ischemic stroke	80.16 (69.72 to 90.43)	0.01	442.09 (384.52 to 498.73)	3.33 (2.89 to 3.78)	0.03	18.36 (15.94 to 20.84)
Taiwan (Province of China)	Hypertensive heart disease	10.94 (9.23 to 13.30)	0.00	60.33 (50.91 to 73.36)	0.44 (0.37 to 0.61)	0.00	2.44 (2.03 to 3.35)
	All causes	6186.11 (5492.68 to 6957.78)	1.00	26231.09 (23290.73 to 29503.23)	179.64 (172.53 to 187.21)	1.00	761.72 (731.58 to 793.82)
	Non-communicable diseases	5224.54 (4612.72 to 5913.88)	0.84	22153.71 (19559.42 to 25076.75)	151.28 (145.32 to 157.59)	0.84	641.46 (616.19 to 668.25)
	Cardiovascular diseases	818.45 (758.64 to 879.62)	0.13	3470.50 (3216.90 to 3729.89)	40.53 (38.79 to 42.54)	0.23	171.85 (164.49 to 180.39)
	Ischemic heart disease	292.80 (277.13 to 310.96)	0.05	1241.57 (1175.10 to 1318.56)	17.90 (16.97 to 18.94)	0.10	75.91 (71.94 to 80.30)
	Stroke	320.91 (289.56 to 350.21)	0.05	1360.76 (1227.82 to 1485.02)	13.75 (13.00 to 14.51)	0.08	58.32 (55.13 to 61.54)
	Ischemic stroke	132.57 (111.88 to 152.24)	0.02	562.16 (474.42 to 645.54)	5.33 (4.98 to 5.69)	0.03	22.59 (21.11 to 24.12)
	Hypertensive heart disease	57.88 (51.02 to 69.54)	0.01	245.43 (216.35 to 294.86)	3.45 (2.94 to 4.42)	0.02	14.65 (12.49 to 18.74)
	All causes	2908.87 (2599.89 to 3266.66)	1.00	31468.63 (28125.99 to 35339.27)	47.99 (44.71 to 51.39)	1.00	519.21 (483.67 to 555.97)
Tajikistan	Non-communicable diseases	1559.78 (1378.58 to 1764.97)	0.54	16873.93 (14913.67 to 19093.67)	32.81 (30.56 to 35.08)	0.68	354.98 (330.58 to 379.50)
	Cardiovascular diseases	424.40 (390.23 to 460.18)	0.15	4591.23 (4221.61 to 4978.28)	18.27 (16.95 to 19.66)	0.38	197.63 (183.42 to 212.68)
	Ischemic heart disease	244.42 (223.32 to 266.40)	0.08	2644.19 (2415.89 to 2881.99)	11.32 (10.49 to 12.25)	0.24	122.49 (113.49 to 132.57)
	Stroke	121.20 (110.74 to 132.26)	0.04	1311.13 (1198.05 to 1430.77)	4.83 (4.45 to 5.27)	0.10	52.25 (48.09 to 57.00)
	Ischemic stroke	35.60 (31.06 to 40.44)	0.01	385.12 (336.06 to 437.48)	1.51 (1.33 to 1.71)	0.03	16.32 (14.40 to 18.52)
	Hypertensive heart disease	30.47 (24.33 to 34.29)	0.01	329.61 (263.18 to 370.92)	1.38 (1.06 to 1.55)	0.03	14.95 (11.49 to 16.75)
	All causes	22689.18 (20028.87 to 26046.90)	1.00	42037.92 (37108.96 to 48259.00)	342.55 (311.49 to 378.89)	1.00	634.67 (577.12 to 702.01)
	Non-communicable diseases	8362.61 (7243.08 to 9589.42)	0.37	15494.01 (13419.79 to 17767.03)	141.61 (127.92 to 156.38)	0.41	262.38 (237.00 to 289.74)
	Cardiovascular diseases	1099.23 (976.09 to 1229.07)	0.05	2036.63 (1808.47 to 2277.19)	44.17 (38.96 to 49.72)	0.13	81.85 (72.18 to 92.12)
Tanzania							

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Thailand	Ischemic heart disease	454.24 (383.84 to 534.54)	0.02	841.61 (711.16 to 990.39)	20.52 (17.29 to 24.23)	0.06	38.02 (32.03 to 44.89)
	Stroke	326.66 (279.06 to 378.45)	0.01	605.22 (517.04 to 701.18)	13.35 (11.15 to 15.80)	0.04	24.74 (20.66 to 29.28)
	Ischemic stroke	115.43 (89.20 to 141.50)	0.01	213.87 (165.26 to 262.17)	5.36 (3.99 to 6.78)	0.02	9.93 (7.39 to 12.55)
	Hypertensive heart disease	95.76 (52.53 to 132.81)	0.00	177.42 (97.33 to 246.06)	4.90 (2.61 to 7.13)	0.01	9.08 (4.84 to 13.21)
	All causes	19531.73 (17341.60 to 21992.88)	1.00	27655.14 (24554.10 to 31139.89)	467.23 (429.81 to 503.47)	1.00	661.55 (608.58 to 712.87)
	Non-communicable diseases	14180.05 (12379.98 to 16268.06)	0.73	20077.65 (17528.92 to 23034.07)	344.26 (314.22 to 373.01)	0.74	487.44 (444.91 to 528.15)
	Cardiovascular diseases	2421.63 (2190.33 to 2688.61)	0.12	3428.80 (3101.30 to 3806.83)	102.58 (93.66 to 113.84)	0.22	145.25 (132.61 to 161.19)
	Ischemic heart disease	882.34 (791.87 to 992.60)	0.05	1249.32 (1121.21 to 1405.43)	44.72 (40.54 to 50.04)	0.10	63.32 (57.40 to 70.86)
The Bahamas	Stroke	1072.27 (966.45 to 1198.68)	0.05	1518.24 (1368.40 to 1697.22)	43.05 (38.92 to 48.37)	0.09	60.96 (55.11 to 68.48)
	Ischemic stroke	364.61 (319.81 to 413.39)	0.02	516.26 (452.82 to 585.32)	15.72 (14.03 to 18.22)	0.03	22.26 (19.86 to 25.79)
	Hypertensive heart disease	42.81 (37.56 to 49.71)	0.00	60.62 (53.19 to 70.38)	1.92 (1.68 to 2.20)	0.00	2.72 (2.38 to 3.11)
	All causes	110.12 (98.54 to 122.75)	1.00	29329.62 (26246.57 to 32694.34)	2.52 (2.36 to 2.68)	1.00	670.44 (628.04 to 714.55)
	Non-communicable diseases	80.13 (70.57 to 90.71)	0.73	21343.28 (18795.65 to 24160.44)	1.97 (1.83 to 2.11)	0.78	523.67 (487.49 to 560.97)
	Cardiovascular diseases	18.65 (17.26 to 20.16)	0.17	4967.30 (4596.38 to 5369.76)	0.80 (0.75 to 0.86)	0.32	213.23 (198.50 to 228.35)
	Ischemic heart disease	6.74 (6.18 to 7.35)	0.06	1795.33 (1644.88 to 1958.52)	0.31 (0.28 to 0.33)	0.12	81.60 (75.17 to 88.74)
	Stroke	4.73 (4.30 to 5.17)	0.04	1260.71 (1145.80 to 1377.35)	0.20 (0.19 to 0.22)	0.08	54.15 (49.28 to 59.53)
The Gambia	Ischemic stroke	1.61 (1.45 to 1.77)	0.01	428.50 (386.89 to 471.64)	0.08 (0.07 to 0.09)	0.03	21.40 (19.36 to 23.74)
	Hypertensive heart disease	3.49 (2.77 to 3.97)	0.03	928.81 (738.72 to 1056.74)	0.16 (0.13 to 0.19)	0.06	43.08 (33.43 to 49.69)
	All causes	835.57 (737.49 to 957.86)	1.00	39182.44 (34583.10 to 44917.23)	13.65 (12.31 to 15.33)	1.00	640.20 (577.47 to 718.83)
	Non-communicable diseases	346.95 (291.89 to 414.96)	0.42	16269.66 (13687.74 to 19458.73)	6.64 (5.79 to 7.73)	0.49	311.44 (271.32 to 362.52)
	Cardiovascular diseases	65.95 (57.56 to 75.52)	0.08	3092.75 (2699.35 to 3541.15)	2.69 (2.37 to 3.05)	0.20	125.94 (110.99 to 143.06)
	Ischemic heart disease	29.85 (25.18 to 34.57)	0.04	1399.74 (1180.88 to 1620.89)	1.35 (1.17 to 1.54)	0.10	63.52 (54.98 to 72.16)
	Stroke	23.07 (19.52 to 27.15)	0.03	1082.06 (915.38 to 1273.08)	0.93 (0.79 to 1.09)	0.07	43.68 (37.16 to 51.04)
	Ischemic stroke	7.29 (5.93 to 8.73)	0.01	341.68 (278.11 to 409.56)	0.34 (0.27 to 0.41)	0.02	15.95 (12.84 to 19.11)
Timor-Leste	Hypertensive heart disease	2.50 (1.54 to 3.51)	0.00	117.01 (72.05 to 164.40)	0.10 (0.06 to 0.14)	0.01	4.83 (2.94 to 6.68)
	All causes	388.24 (345.34 to 437.01)	1.00	30155.03 (26822.87 to 33943.21)	7.19 (6.56 to 7.85)	1.00	558.67 (509.38 to 609.43)
	Non-communicable diseases	217.81 (182.79 to 250.60)	0.56	16917.75 (14197.07 to 19464.02)	4.87 (4.20 to 5.43)	0.68	378.26 (326.59 to 421.76)
	Cardiovascular diseases	53.48 (43.62 to 61.36)	0.14	4153.66 (3388.27 to 4765.77)	2.28 (1.96 to 2.59)	0.32	177.41 (152.30 to 201.09)
	Ischemic heart disease	20.83 (15.37 to 25.55)	0.05	1618.25 (1193.55 to 1984.82)	0.94 (0.73 to 1.13)	0.13	72.63 (56.32 to 87.45)
	Stroke	24.81 (20.34 to 28.71)	0.06	1927.02 (1579.80 to 2230.13)	1.10 (0.92 to 1.26)	0.15	85.28 (71.37 to 97.80)
	Ischemic stroke	8.28 (6.59 to 9.71)	0.02	643.18 (511.75 to 754.10)	0.42 (0.32 to 0.49)	0.06	32.32 (25.22 to 37.99)
	Hypertensive heart disease	2.11 (1.53 to 2.61)	0.01	164.04 (118.56 to 202.58)	0.10 (0.07 to 0.12)	0.01	7.50 (5.36 to 9.19)
Togo	All causes	3264.43 (2870.40 to 3707.66)	1.00	43432.93 (38190.33 to 49330.09)	50.47 (45.05 to 56.81)	1.00	671.48 (599.36 to 755.80)
	Non-communicable diseases	1128.19 (955.47 to 1305.84)	0.35	15010.49 (12712.49 to 17374.03)	19.02 (16.32 to 22.13)	0.38	253.11 (217.19 to 294.39)
	Cardiovascular diseases	209.08 (179.47 to 243.47)	0.06	2781.81 (2387.88 to 3239.36)	7.58 (6.54 to 8.87)	0.15	100.86 (86.99 to 118.07)
	Ischemic heart disease	86.72 (72.03 to 103.39)	0.03	1153.85 (958.31 to 1375.56)	3.55 (3.00 to 4.17)	0.07	47.22 (39.97 to 55.51)

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Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Tonga	Stroke	77.60 (65.29 to 93.10)	0.02	1032.43 (868.66 to 1238.72)	2.80 (2.36 to 3.35)	0.06	37.20 (31.42 to 44.57)
	Ischemic stroke	25.21 (20.72 to 30.37)	0.01	335.43 (275.63 to 404.13)	1.03 (0.83 to 1.25)	0.02	13.72 (11.07 to 16.66)
	Hypertensive heart disease	8.44 (4.77 to 12.54)	0.00	112.23 (63.44 to 166.90)	0.31 (0.17 to 0.47)	0.01	4.16 (2.31 to 6.19)
	All causes	29.27 (25.95 to 32.96)	1.00	28461.62 (25232.14 to 32048.92)	0.70 (0.63 to 0.78)	1.00	681.45 (612.29 to 757.16)
	Non-communicable diseases	21.46 (18.87 to 24.32)	0.73	20865.55 (18351.77 to 23646.07)	0.57 (0.51 to 0.63)	0.81	552.04 (497.21 to 615.89)
	Cardiovascular diseases	3.94 (3.55 to 4.38)	0.13	3833.87 (3452.40 to 4263.43)	0.17 (0.15 to 0.19)	0.24	163.57 (146.70 to 182.87)
	Ischemic heart disease	1.99 (1.77 to 2.29)	0.07	1938.74 (1717.05 to 2226.99)	0.09 (0.08 to 0.10)	0.13	88.80 (79.58 to 99.96)
	Stroke	1.20 (1.07 to 1.35)	0.04	1170.72 (1045.21 to 1308.18)	0.05 (0.05 to 0.06)	0.08	51.61 (45.14 to 58.56)
Trinidad and Tobago	Ischemic stroke	0.42 (0.37 to 0.47)	0.01	408.82 (357.98 to 461.23)	0.02 (0.02 to 0.02)	0.03	19.08 (16.30 to 21.90)
	Hypertensive heart disease	0.13 (0.11 to 0.15)	0.00	124.58 (105.12 to 148.93)	0.01 (0.00 to 0.01)	0.01	5.47 (4.55 to 6.59)
	All causes	446.70 (386.98 to 512.89)	1.00	32094.99 (27804.40 to 36850.83)	11.41 (9.80 to 13.26)	1.00	819.70 (703.79 to 952.62)
	Non-communicable diseases	345.48 (297.11 to 399.06)	0.77	24822.19 (21346.86 to 28672.09)	9.63 (8.23 to 11.25)	0.84	691.91 (591.05 to 808.38)
	Cardiovascular diseases	83.03 (70.51 to 97.25)	0.19	5965.51 (5066.27 to 6987.54)	3.92 (3.35 to 4.57)	0.34	281.52 (240.58 to 328.67)
	Ischemic heart disease	42.81 (35.76 to 50.64)	0.10	3076.10 (2569.34 to 3638.13)	2.12 (1.79 to 2.48)	0.19	152.08 (128.60 to 178.10)
	Stroke	22.58 (19.04 to 26.57)	0.05	1622.39 (1367.65 to 1908.99)	1.10 (0.93 to 1.29)	0.10	78.95 (66.93 to 92.55)
	Ischemic stroke	8.75 (7.57 to 10.19)	0.02	628.66 (543.88 to 732.27)	0.46 (0.39 to 0.54)	0.04	33.24 (28.25 to 38.85)
Tunisia	Hypertensive heart disease	5.77 (4.57 to 9.21)	0.01	414.40 (328.24 to 661.77)	0.28 (0.22 to 0.47)	0.02	20.22 (15.88 to 33.55)
	All causes	2737.52 (2327.86 to 3181.91)	1.00	23924.84 (20344.50 to 27808.57)	66.26 (56.00 to 77.77)	1.00	579.12 (489.41 to 679.71)
	Non-communicable diseases	2197.53 (1850.29 to 2571.19)	0.80	19205.55 (16170.80 to 22471.14)	57.12 (48.25 to 67.12)	0.86	499.17 (421.71 to 586.56)
	Cardiovascular diseases	596.99 (502.98 to 706.21)	0.22	5217.48 (4395.87 to 6172.00)	34.12 (28.81 to 40.00)	0.51	298.21 (251.80 to 349.58)
	Ischemic heart disease	365.92 (301.80 to 437.91)	0.13	3197.97 (2637.63 to 3827.17)	22.03 (18.36 to 25.95)	0.33	192.49 (160.44 to 226.79)
	Stroke	146.46 (124.66 to 172.95)	0.05	1279.98 (1089.45 to 1511.54)	7.97 (6.67 to 9.51)	0.12	69.65 (58.31 to 83.13)
	Ischemic stroke	98.04 (83.04 to 116.91)	0.04	856.79 (725.71 to 1021.75)	5.81 (4.81 to 7.02)	0.09	50.79 (42.05 to 61.37)
	Hypertensive heart disease	38.64 (17.60 to 52.77)	0.01	337.72 (153.78 to 461.22)	2.35 (0.94 to 3.29)	0.04	20.56 (8.18 to 28.76)
Turkey	All causes	18906.02 (16493.27 to 21596.36)	1.00	23498.33 (20499.52 to 26842.16)	402.29 (374.82 to 430.23)	1.00	500.01 (465.87 to 534.74)
	Non-communicable diseases	15587.08 (13432.33 to 18003.55)	0.82	19373.21 (16695.08 to 22376.65)	353.27 (328.05 to 378.33)	0.88	439.08 (407.73 to 470.23)
	Cardiovascular diseases	2955.83 (2711.54 to 3190.86)	0.16	3673.81 (3370.18 to 3965.93)	146.58 (135.82 to 157.39)	0.36	182.19 (168.82 to 195.62)
	Ischemic heart disease	1577.22 (1435.99 to 1716.91)	0.08	1960.34 (1784.79 to 2133.95)	84.45 (77.43 to 91.62)	0.21	104.96 (96.24 to 113.88)
	Stroke	819.52 (750.41 to 888.95)	0.04	1018.59 (932.68 to 1104.88)	38.01 (34.97 to 41.12)	0.09	47.25 (43.47 to 51.10)
	Ischemic stroke	349.68 (312.49 to 391.61)	0.02	434.62 (388.40 to 486.73)	16.79 (15.19 to 18.32)	0.04	20.86 (18.88 to 22.77)
	Hypertensive heart disease	178.71 (146.54 to 200.43)	0.01	222.12 (182.13 to 249.11)	11.36 (7.56 to 12.96)	0.03	14.11 (9.40 to 16.11)
	All causes	1556.89 (1394.09 to 1722.22)	1.00	31282.38 (28011.30 to 34604.35)	32.99 (31.17 to 35.13)	1.00	662.90 (626.24 to 705.81)
Turkmenistan	Non-communicable diseases	1133.70 (1016.62 to 1259.96)	0.73	22779.32 (20426.82 to 25316.22)	27.95 (26.35 to 29.65)	0.85	561.65 (529.46 to 595.70)
	Cardiovascular diseases	422.55 (395.79 to 449.83)	0.27	8490.19 (7952.65 to 9038.33)	17.56 (16.55 to 18.58)	0.53	352.77 (332.55 to 373.42)
	Ischemic heart disease	226.83 (211.90 to 242.50)	0.15	4557.70 (4257.59 to 4872.54)	10.64 (9.99 to 11.32)	0.32	213.80 (200.78 to 227.51)
	Stroke	134.73 (125.43 to 144.06)	0.09	2707.16 (2520.31 to 2894.52)	5.12 (4.77 to 5.46)	0.16	102.82 (95.85 to 109.69)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Uganda	Ischemic stroke	11.45 (9.83 to 12.96)	0.01	230.13 (197.55 to 260.42)	0.48 (0.43 to 0.53)	0.01	9.61 (8.60 to 10.68)
	Hypertensive heart disease	15.01 (10.47 to 18.40)	0.01	301.54 (210.31 to 369.70)	0.59 (0.46 to 0.75)	0.02	11.81 (9.20 to 15.13)
	All causes	16628.90 (14934.71 to 18551.78)	1.00	42552.68 (38217.33 to 47473.27)	232.63 (213.45 to 256.09)	1.00	595.29 (546.21 to 655.33)
	Non-communicable diseases	5077.10 (4364.49 to 5825.55)	0.31	12992.09 (11168.55 to 14907.35)	79.16 (70.56 to 88.00)	0.34	202.58 (180.56 to 225.18)
	Cardiovascular diseases	604.53 (535.20 to 679.20)	0.04	1546.98 (1369.54 to 1738.06)	22.89 (20.26 to 25.61)	0.10	58.57 (51.85 to 65.54)
	Ischemic heart disease	208.67 (167.83 to 253.41)	0.01	533.98 (429.48 to 648.47)	9.04 (7.28 to 10.89)	0.04	23.13 (18.63 to 27.88)
	Stroke	206.96 (174.63 to 241.17)	0.01	529.60 (446.87 to 617.16)	8.33 (6.94 to 9.77)	0.04	21.33 (17.75 to 25.00)
Ukraine	Ischemic stroke	58.45 (45.52 to 76.10)	0.00	149.56 (116.47 to 194.73)	2.70 (2.01 to 3.64)	0.01	6.91 (5.14 to 9.32)
	Hypertensive heart disease	55.52 (28.18 to 79.23)	0.00	142.06 (72.12 to 202.75)	2.62 (1.31 to 3.88)	0.01	6.70 (3.34 to 9.92)
	All causes	21194.68 (19440.88 to 23095.20)	1.00	47426.96 (43502.52 to 51679.74)	689.88 (664.02 to 718.85)	1.00	1543.73 (1485.86 to 1608.55)
	Non-communicable diseases	17308.19 (15861.54 to 18813.12)	0.82	38730.24 (35493.09 to 42097.80)	625.97 (602.29 to 651.79)	0.91	1400.73 (1347.74 to 1458.51)
	Cardiovascular diseases	7563.39 (7232.45 to 7901.04)	0.36	16924.46 (16183.92 to 17680.03)	427.32 (411.21 to 445.32)	0.62	956.21 (920.16 to 996.49)
	Ischemic heart disease	4971.27 (4751.77 to 5195.69)	0.23	11124.14 (10632.96 to 11626.32)	309.60 (297.61 to 322.55)	0.45	692.80 (665.96 to 721.76)
	Stroke	1751.07 (1642.42 to 1859.05)	0.08	3918.35 (3675.21 to 4159.96)	87.40 (83.30 to 92.02)	0.13	195.58 (186.39 to 205.92)
United Arab Emirates	Ischemic stroke	1142.04 (1056.96 to 1218.97)	0.05	2555.52 (2365.13 to 2727.67)	61.89 (58.86 to 65.22)	0.09	138.49 (131.70 to 145.95)
	Hypertensive heart disease	22.83 (20.00 to 36.43)	0.00	51.10 (44.75 to 81.53)	1.27 (1.08 to 1.75)	0.00	2.84 (2.43 to 3.91)
	All causes	2235.43 (1872.31 to 2616.72)	1.00	22964.95 (19234.59 to 26882.02)	26.37 (21.54 to 31.75)	1.00	270.95 (221.32 to 326.13)
	Non-communicable diseases	1713.30 (1416.88 to 2032.67)	0.77	17600.98 (14555.83 to 20881.97)	18.58 (15.11 to 22.60)	0.70	190.84 (155.27 to 232.19)
	Cardiovascular diseases	267.70 (215.57 to 326.47)	0.12	2750.08 (2214.54 to 3353.93)	7.35 (5.87 to 9.04)	0.28	75.48 (60.25 to 92.91)
	Ischemic heart disease	142.20 (110.43 to 180.28)	0.06	1460.86 (1134.48 to 1852.02)	4.25 (3.31 to 5.36)	0.16	43.70 (33.97 to 55.10)
	Stroke	77.54 (62.49 to 93.93)	0.03	796.59 (641.97 to 965.01)	1.95 (1.55 to 2.42)	0.07	20.03 (15.93 to 24.86)
United Kingdom	Ischemic stroke	39.90 (31.86 to 49.26)	0.02	409.89 (327.25 to 506.10)	1.04 (0.80 to 1.31)	0.04	10.69 (8.23 to 13.43)
	Hypertensive heart disease	19.34 (8.17 to 27.32)	0.01	198.68 (83.93 to 280.69)	0.57 (0.23 to 0.82)	0.02	5.86 (2.35 to 8.40)
	All causes	18434.41 (16175.11 to 21066.45)	1.00	27664.54 (24274.01 to 31614.45)	608.26 (603.29 to 613.32)	1.00	912.82 (905.35 to 920.40)
	Non-communicable diseases	16057.59 (14051.21 to 18301.02)	0.87	24097.65 (21086.67 to 27464.37)	545.31 (540.67 to 549.88)	0.90	818.34 (811.38 to 825.21)
	Cardiovascular diseases	2669.28 (2552.23 to 2797.26)	0.15	4005.79 (3830.13 to 4197.86)	176.52 (174.53 to 178.53)	0.29	264.90 (261.91 to 267.91)
	Ischemic heart disease	1242.17 (1213.54 to 1276.24)	0.07	1864.13 (1821.16 to 1915.25)	87.02 (85.60 to 88.72)	0.14	130.59 (128.45 to 133.14)
	Stroke	686.48 (642.74 to 728.78)	0.04	1030.20 (964.56 to 1093.68)	47.02 (46.03 to 48.05)	0.08	70.57 (69.08 to 72.10)
United States	Ischemic stroke	355.33 (320.71 to 389.13)	0.02	533.24 (481.29 to 583.97)	24.89 (24.33 to 25.55)	0.04	37.36 (36.51 to 38.34)
	Hypertensive heart disease	62.81 (49.76 to 71.71)	0.00	94.26 (74.67 to 107.61)	4.01 (3.07 to 4.87)	0.01	6.02 (4.61 to 7.30)
	All causes	100563.72 (89138.99 to 113306.07)	1.00	30958.02 (27440.97 to 34880.68)	2857.69 (2806.19 to 2907.78)	1.00	879.73 (863.87 to 895.14)
	Non-communicable diseases	85221.37 (74993.96 to 96308.64)	0.85	26234.95 (23086.50 to 29648.11)	2533.70 (2488.46 to 2578.48)	0.89	779.99 (766.06 to 793.77)
	Cardiovascular diseases	15639.79 (14983.80 to 16332.27)	0.16	4814.63 (4612.69 to 5027.80)	902.27 (885.05 to 918.75)	0.32	277.76 (272.46 to 282.83)
	Ischemic heart disease	8025.82 (7787.05 to 8271.68)	0.08	2470.71 (2397.20 to 2546.39)	533.17 (518.96 to 548.04)	0.19	164.13 (159.76 to 168.71)
	Stroke	3584.47 (3250.74 to 3922.02)	0.04	1103.46 (1000.72 to 1207.37)	172.32 (166.41 to 178.29)	0.06	53.05 (51.23 to 54.89)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Uruguay	Ischemic stroke	1815.87 (1541.58 to 2076.69)	0.02	559.00 (474.57 to 639.30)	79.10 (76.10 to 82.67)	0.03	24.35 (23.43 to 25.45)
	Hypertensive heart disease	848.05 (521.71 to 920.14)	0.01	261.07 (160.61 to 283.26)	43.46 (27.18 to 46.70)	0.02	13.38 (8.37 to 14.38)
	All causes	1018.20 (901.79 to 1145.21)	1.00	29758.62 (26356.44 to 33470.59)	33.51 (30.71 to 36.40)	1.00	979.49 (897.43 to 1063.77)
	Non-communicable diseases	811.22 (712.13 to 915.87)	0.80	23709.16 (20813.11 to 26767.80)	28.73 (26.31 to 31.22)	0.86	839.56 (768.87 to 912.53)
	Cardiovascular diseases	158.44 (145.23 to 173.03)	0.16	4630.65 (4244.52 to 5057.21)	9.91 (9.11 to 10.76)	0.30	289.69 (266.21 to 314.50)
	Ischemic heart disease	62.05 (56.36 to 68.28)	0.06	1813.50 (1647.27 to 1995.46)	4.17 (3.81 to 4.55)	0.12	121.85 (111.40 to 133.11)
	Stroke	54.68 (49.84 to 60.03)	0.05	1598.26 (1456.60 to 1754.49)	3.34 (3.03 to 3.66)	0.10	97.49 (88.62 to 107.10)
Uzbekistan	Ischemic stroke	27.05 (24.38 to 29.75)	0.03	790.48 (712.46 to 869.48)	1.78 (1.61 to 1.98)	0.05	51.92 (47.07 to 57.89)
	Hypertensive heart disease	7.03 (5.43 to 8.26)	0.01	205.50 (158.69 to 241.31)	0.51 (0.35 to 0.60)	0.02	14.82 (10.22 to 17.51)
	All causes	9431.11 (8353.67 to 10546.97)	1.00	29255.64 (25913.37 to 32717.08)	205.26 (188.07 to 224.11)	1.00	636.74 (583.41 to 695.20)
	Non-communicable diseases	6573.79 (5794.62 to 7420.00)	0.70	20392.12 (17975.12 to 23017.12)	171.96 (156.72 to 188.49)	0.84	533.41 (486.16 to 584.69)
	Cardiovascular diseases	2489.35 (2262.11 to 2730.41)	0.26	7722.04 (7017.14 to 8469.82)	115.26 (105.06 to 125.71)	0.56	357.55 (325.91 to 389.97)
	Ischemic heart disease	1659.06 (1499.58 to 1826.57)	0.18	5146.47 (4651.74 to 5666.08)	82.81 (75.50 to 90.28)	0.40	256.89 (234.20 to 280.05)
	Stroke	602.38 (543.20 to 660.72)	0.06	1868.61 (1685.04 to 2049.58)	25.14 (22.68 to 27.55)	0.12	77.98 (70.35 to 85.46)
Vanuatu	Ischemic stroke	190.46 (169.48 to 210.08)	0.02	590.81 (525.72 to 651.69)	7.98 (7.12 to 8.84)	0.04	24.74 (22.09 to 27.43)
	Hypertensive heart disease	65.24 (50.55 to 80.44)	0.01	202.39 (156.82 to 249.52)	3.12 (2.29 to 3.81)	0.02	9.66 (7.12 to 11.83)
	All causes	111.55 (92.30 to 135.75)	1.00	38792.10 (32097.43 to 47207.66)	2.24 (1.82 to 2.75)	1.00	777.61 (634.28 to 956.78)
	Non-communicable diseases	71.12 (59.49 to 84.90)	0.64	24733.06 (20687.65 to 29523.54)	1.66 (1.36 to 2.02)	0.74	577.92 (473.95 to 701.12)
	Cardiovascular diseases	22.76 (17.65 to 28.53)	0.20	7915.76 (6137.95 to 9921.82)	0.80 (0.64 to 0.97)	0.36	277.15 (221.33 to 338.55)
	Ischemic heart disease	10.56 (7.82 to 13.70)	0.09	3671.53 (2717.82 to 4764.98)	0.40 (0.31 to 0.51)	0.18	140.80 (106.59 to 177.06)
	Stroke	7.40 (5.62 to 9.57)	0.07	2573.81 (1955.29 to 3326.36)	0.26 (0.20 to 0.32)	0.11	88.84 (69.31 to 112.92)
Venezuela	Ischemic stroke	1.75 (1.38 to 2.16)	0.02	607.87 (480.80 to 752.35)	0.07 (0.05 to 0.09)	0.03	24.18 (18.95 to 29.96)
	Hypertensive heart disease	1.01 (0.67 to 1.42)	0.01	351.51 (232.91 to 492.99)	0.04 (0.03 to 0.05)	0.02	12.96 (8.75 to 17.67)
	All causes	8200.70 (7251.77 to 9318.87)	1.00	26598.25 (23520.48 to 30224.91)	172.58 (153.71 to 195.60)	1.00	559.76 (498.54 to 634.40)
	Non-communicable diseases	5175.50 (4480.20 to 5993.31)	0.63	16786.29 (14531.14 to 19438.75)	125.71 (111.98 to 141.90)	0.73	407.71 (363.19 to 460.25)
	Cardiovascular diseases	1085.66 (959.29 to 1236.69)	0.13	3521.26 (3111.36 to 4011.08)	52.71 (46.77 to 59.50)	0.31	170.95 (151.68 to 192.98)
	Ischemic heart disease	627.53 (545.96 to 722.87)	0.08	2035.34 (1770.77 to 2344.55)	31.38 (27.34 to 35.83)	0.18	101.77 (88.67 to 116.20)
	Stroke	273.64 (240.07 to 313.37)	0.03	887.54 (778.65 to 1016.40)	12.95 (11.31 to 14.80)	0.08	42.01 (36.68 to 48.01)
Vietnam	Ischemic stroke	70.38 (61.50 to 79.86)	0.01	228.27 (199.48 to 259.01)	4.12 (3.60 to 4.71)	0.02	13.35 (11.68 to 15.26)
	Hypertensive heart disease	82.67 (69.08 to 111.10)	0.01	268.15 (224.05 to 360.35)	4.60 (3.83 to 6.48)	0.03	14.93 (12.41 to 21.01)
	All causes	24813.15 (22031.24 to 27851.69)	1.00	25809.19 (22915.62 to 28969.71)	606.30 (557.72 to 666.41)	1.00	630.64 (580.11 to 693.16)
	Non-communicable diseases	18441.62 (16179.87 to 20967.33)	0.74	19181.90 (16829.37 to 21809.00)	478.94 (439.35 to 529.75)	0.79	498.17 (456.99 to 551.02)
	Cardiovascular diseases	4223.55 (3829.53 to 4715.08)	0.17	4393.09 (3983.26 to 4904.36)	201.14 (185.60 to 222.30)	0.33	209.21 (193.05 to 231.22)
	Ischemic heart disease	1264.70 (1130.59 to 1434.04)	0.05	1315.47 (1175.97 to 1491.60)	65.27 (59.28 to 72.67)	0.11	67.89 (61.66 to 75.59)
	Stroke	2357.69 (2116.83 to 2652.26)	0.10	2452.33 (2201.80 to 2758.73)	111.64 (101.86 to 124.27)	0.18	116.12 (105.95 to 129.25)
	Ischemic stroke	816.51 (720.94 to 921.41)	0.03	849.28 (749.88 to 958.40)	44.85 (39.93 to 50.62)	0.07	46.65 (41.53 to 52.65)

Table 3S National and regional disability-adjusted life years (DALYs) and deaths of non-communicable and cardiovascular diseases for 195 countries according to the GBD 2017 study.

Countries	Cause	DALYs			Deaths		
		Number (thousand)	Percent	Rate	Number (thousand)	Percent	Rate
		Mean (95% UI)	Mean	Mean (95% UI)	Mean (95% UI)	Mean	Mean (95% UI)
Virgin Islands, U.S.	Hypertensive heart disease	188.38 (146.03 to 233.10)	0.01	195.95 (151.89 to 242.46)	9.35 (7.17 to 11.51)	0.02	9.73 (7.46 to 11.97)
	All causes	39.13 (34.46 to 43.87)	1.00	37279.79 (32831.41 to 41801.52)	1.26 (1.10 to 1.37)	1.00	1197.58 (1044.68 to 1304.15)
	Non-communicable diseases	32.69 (28.47 to 36.71)	0.84	31142.96 (27124.52 to 34978.14)	1.11 (0.96 to 1.21)	0.88	1056.85 (917.89 to 1151.89)
	Cardiovascular diseases	9.20 (7.94 to 10.18)	0.24	8769.57 (7561.01 to 9702.53)	0.47 (0.41 to 0.52)	0.38	452.01 (392.50 to 496.77)
	Ischemic heart disease	5.00 (4.21 to 5.60)	0.13	4764.65 (4013.22 to 5333.08)	0.27 (0.23 to 0.30)	0.22	258.39 (221.47 to 286.82)
	Stroke	1.79 (1.53 to 2.00)	0.05	1702.40 (1460.00 to 1902.61)	0.09 (0.08 to 0.10)	0.07	84.38 (71.92 to 93.82)
	Ischemic stroke	0.66 (0.57 to 0.74)	0.02	626.86 (541.41 to 703.43)	0.03 (0.03 to 0.04)	0.03	33.15 (28.45 to 37.38)
Yemen	Hypertensive heart disease	0.83 (0.68 to 1.02)	0.02	793.01 (651.95 to 970.35)	0.04 (0.03 to 0.05)	0.03	40.97 (33.05 to 49.86)
	All causes	11871.20 (10030.06 to 14172.37)	1.00	38986.96 (32940.35 to 46544.39)	164.70 (134.86 to 202.47)	1.00	540.89 (442.91 to 664.93)
	Non-communicable diseases	5178.49 (4264.58 to 6179.49)	0.44	17007.02 (14005.58 to 20294.45)	89.57 (71.10 to 113.19)	0.54	294.16 (233.51 to 371.75)
	Cardiovascular diseases	1406.62 (1110.94 to 1797.01)	0.12	4619.56 (3648.51 to 5901.67)	53.37 (42.44 to 66.77)	0.32	175.27 (139.38 to 219.28)
	Ischemic heart disease	797.72 (626.38 to 1025.48)	0.07	2619.85 (2057.15 to 3367.84)	32.46 (25.81 to 40.56)	0.20	106.59 (84.76 to 133.20)
	Stroke	384.78 (304.21 to 487.20)	0.03	1263.67 (999.08 to 1600.05)	14.26 (11.21 to 18.03)	0.09	46.84 (36.80 to 59.23)
	Ischemic stroke	199.01 (159.00 to 248.58)	0.02	653.60 (522.18 to 816.38)	8.52 (6.70 to 10.72)	0.05	27.99 (22.02 to 35.21)
Zambia	Hypertensive heart disease	74.02 (32.09 to 104.29)	0.01	243.08 (105.39 to 342.51)	3.36 (1.36 to 4.63)	0.02	11.02 (4.48 to 15.19)
	All causes	7919.62 (6947.61 to 9048.46)	1.00	45609.19 (40011.40 to 52110.22)	118.47 (106.84 to 131.10)	1.00	682.27 (615.29 to 755.03)
	Non-communicable diseases	2472.27 (2149.63 to 2811.09)	0.31	14237.85 (12379.77 to 16189.09)	40.78 (36.77 to 45.13)	0.34	234.86 (211.78 to 259.93)
	Cardiovascular diseases	329.74 (294.98 to 368.12)	0.04	1898.98 (1698.77 to 2120.00)	12.16 (10.78 to 13.57)	0.10	70.01 (62.09 to 78.13)
	Ischemic heart disease	136.74 (120.82 to 154.65)	0.02	787.47 (695.80 to 890.62)	5.56 (4.91 to 6.22)	0.05	32.02 (28.28 to 35.85)
	Stroke	107.55 (94.69 to 122.34)	0.01	619.38 (545.33 to 704.58)	4.14 (3.61 to 4.70)	0.03	23.84 (20.79 to 27.08)
	Ischemic stroke	30.88 (25.36 to 38.35)	0.00	177.81 (146.03 to 220.88)	1.33 (1.04 to 1.71)	0.01	7.69 (5.98 to 9.87)
Zimbabwe	Hypertensive heart disease	24.47 (12.83 to 33.56)	0.00	140.90 (73.90 to 193.29)	1.10 (0.59 to 1.52)	0.01	6.33 (3.39 to 8.77)
	All causes	6980.18 (6269.80 to 7645.99)	1.00	47439.85 (42611.82 to 51964.89)	117.63 (106.98 to 128.49)	1.00	799.44 (727.10 to 873.28)
	Non-communicable diseases	2332.98 (2050.70 to 2648.79)	0.33	15855.78 (13937.29 to 18002.15)	44.90 (39.66 to 50.32)	0.38	305.16 (269.57 to 342.02)
	Cardiovascular diseases	474.02 (416.70 to 535.85)	0.07	3221.58 (2832.07 to 3641.81)	16.98 (14.82 to 19.28)	0.14	115.38 (100.69 to 131.00)
	Ischemic heart disease	201.63 (172.00 to 232.17)	0.03	1370.34 (1168.97 to 1577.94)	8.65 (7.40 to 9.94)	0.07	58.80 (50.32 to 67.55)
	Stroke	117.77 (101.68 to 136.39)	0.02	800.42 (691.08 to 926.95)	4.41 (3.75 to 5.11)	0.04	29.94 (25.49 to 34.72)
	Ischemic stroke	36.68 (30.76 to 43.80)	0.01	249.26 (209.04 to 297.65)	1.61 (1.33 to 1.91)	0.01	10.93 (9.07 to 13.00)
	Hypertensive heart disease	18.48 (11.32 to 33.97)	0.00	125.59 (76.95 to 230.84)	0.73 (0.45 to 1.39)	0.01	4.93 (3.04 to 9.48)

Table 4S Population, life expectancy and healthy life expectancy (HALE) for 195 countries and territories according to the GBD 2017 study.

GBD regions and countries	Population in 2020 (N)	Life expectancy (Years, 95% UI)	HALE (Years, 95% UI)
Central Europe, Eastern Europe, and Central Asia		73.06 (72.9 to 73.2)	63.06 (60.24 to 65.55)
Albania	2877800	78.23 (76.67 to 79.70)	67.49 (64.2 to 70.44)
Armenia	2963234	75.61 (75.33 to 75.90)	65.83 (62.91 to 68.25)
Azerbaijan	10139175	70.76 (69.97 to 71.55)	62.05 (59.46 to 64.34)
Belarus	9449321	74.03 (73.47 to 74.53)	63.92 (60.96 to 66.52)
Bosnia and Herzegovina	3280815	76.72 (76.21 to 77.21)	65.71 (62.66 to 68.5)
Bulgaria	6948445	74.88 (74.36 to 75.43)	64.87 (61.97 to 67.39)
Croatia	4105268	78.53 (78.02 to 79.01)	67.42 (64.33 to 70.09)
Czech Republic	10708982	79.17 (78.65 to 79.66)	67.4 (63.97 to 70.27)
Estonia	1326539	78.09 (76.94 to 79.32)	67.03 (63.79 to 70.05)
Georgia	3989175	72.83 (72.50 to 73.17)	63.8 (61.18 to 66.03)
Hungary	9660350	76.81 (76.31 to 77.30)	65.78 (62.75 to 68.47)
Kazakhstan	18776707	71.98 (71.46 to 72.49)	62.71 (60.12 to 64.95)
Kyrgyzstan	6524191	72.71 (72.42 to 73.00)	63.45 (60.83 to 65.72)
Latvia	1886202	75.17 (74.04 to 76.31)	64.58 (61.6 to 67.36)
Lithuania	2722291	75.02 (74.39 to 75.64)	64.33 (61.33 to 67)
Macedonia	2083380	76.55 (76.07 to 77.03)	66.01 (62.97 to 68.63)
Moldova	4033963	72.90 (72.56 to 73.23)	63 (60.22 to 65.43)
Mongolia	3278292	68.94 (67.95 to 69.93)	60.25 (57.67 to 62.61)
Montenegro	628062	76.49 (75.76 to 77.18)	65.98 (62.92 to 68.6)
Poland	37846605	77.99 (77.49 to 78.46)	66.81 (63.68 to 69.64)
Romania	19237682	75.18 (74.70 to 75.67)	64.71 (61.63 to 67.36)
Russian Federation	145934460	72.08 (71.98 to 72.17)	62.16 (59.36 to 64.62)
Serbia	6804596	75.71 (75.26 to 76.19)	65.28 (62.32 to 67.89)
Slovakia	5459643	77.41 (76.90 to 77.91)	66.33 (63.22 to 69.04)
Slovenia	2078932	81.10 (80.54 to 81.66)	68.74 (65.26 to 71.77)
Tajikistan	9537642	70.32 (69.31 to 71.26)	61.32 (58.63 to 63.81)
Turkmenistan		70.10 (69.27 to 70.87)	61.67 (59.12 to 63.97)
Ukraine	43733759	70.55 (69.96 to 71.12)	60.99 (58.33 to 63.38)
Uzbekistan	33469199	70.35 (69.23 to 71.51)	61.58 (58.86 to 64.2)
High-income		81.02 (80.88 to 81.16)	69.59 (66.35 to 72.36)
Andorra	77265	82.70 (81.77 to 83.58)	71.2 (67.94 to 74.12)
Argentina	45195777	76.66 (75.54 to 77.68)	66.82 (63.8 to 69.55)
Australia	25499881	82.39 (81.50 to 83.24)	70.37 (66.89 to 73.33)
Austria	9006400	81.77 (81.29 to 82.22)	70.44 (67.21 to 73.34)
Belgium	11589616	81.38 (80.88 to 81.85)	69.62 (66.22 to 72.54)
Brunei	437483	75.35 (74.60 to 76.08)	66.17 (63.43 to 68.57)
Canada	37742157	81.96 (81.47 to 82.42)	70.51 (67.2 to 73.35)
Chile	19116209	79.70 (78.68 to 80.67)	68.69 (65.48 to 71.4)
Cyprus	875899	81.72 (81.00 to 82.40)	70.68 (67.52 to 73.43)
Denmark	5792203	80.76 (80.25 to 81.27)	69.63 (66.38 to 72.44)
Finland	5540718	81.42 (80.90 to 81.90)	69.78 (66.44 to 72.69)
France	65273512	82.84 (82.37 to 83.29)	71.75 (68.58 to 74.46)
Germany	83783945	80.63 (79.72 to 81.53)	69.55 (66.28 to 72.46)
Greece	10423056	80.99 (80.52 to 81.47)	69.93 (66.88 to 72.64)
Iceland	341250	82.75 (82.41 to 83.06)	71.26 (67.93 to 74.11)
Ireland	4937796	81.85 (81.35 to 82.35)	70.35 (67.07 to 73.09)
Israel	8655541	82.97 (82.50 to 83.45)	71.38 (68 to 74.36)
Italy	60461828	83.17 (82.73 to 83.62)	71.87 (68.71 to 74.68)
Japan	126476458	84.19 (83.98 to 84.38)	73.07 (69.88 to 75.86)
Luxembourg	625976	81.66 (80.95 to 82.39)	69.7 (66.26 to 72.64)
Malta	441539	80.99 (80.62 to 81.37)	69.82 (66.49 to 72.6)
Netherlands	17134873	81.52 (81.04 to 81.97)	70.16 (66.91 to 73.01)
New Zealand	4822233	81.64 (81.17 to 82.05)	69.05 (65.37 to 72.2)
Norway	5421242	82.34 (82.19 to 82.49)	70.24 (66.81 to 73.16)

Table 4S Population, life expectancy and healthy life expectancy (HALE) for 195 countries and territories according to the GBD 2017 study.

GBD regions and countries	Population in 2020 (N)	Life expectancy (Years, 95% UI)	HALE (Years, 95% UI)
Portugal	10196707	81.44 (80.99 to 81.90)	70.13 (66.87 to 73)
Singapore	5850343	84.79 (84.30 to 85.25)	74.22 (71.22 to 76.83)
South Korea	51269183	82.60 (82.11 to 83.10)	71.68 (68.51 to 74.31)
Spain	46754783	83.06 (82.68 to 83.46)	72.08 (68.86 to 74.84)
Sweden	10099270	82.50 (82.10 to 82.90)	70.93 (67.59 to 73.89)
Switzerland	8654618	83.96 (83.54 to 84.40)	71.98 (68.56 to 75)
United Kingdom	67886004	80.97 (80.87 to 81.06)	69.3 (66.01 to 72.12)
United States	331002647	78.59 (78.37 to 78.81)	66.57 (63.33 to 69.46)
Uruguay	3473727	77.05 (75.98 to 78.08)	67.2 (64.34 to 69.79)
Latin America and Caribbean		75.86 (75.56 to 76.15)	66.21 (63.44 to 68.57)
Antigua and Barbuda	97928	77.02 (76.47 to 77.61)	67.26 (64.34 to 69.76)
Barbados	287371	77.13 (76.38 to 77.87)	67.89 (65.14 to 70.3)
Belize	397621	74.16 (73.72 to 74.58)	64.92 (62.27 to 67.26)
Bolivia	11673029	72.75 (71.04 to 74.63)	63.59 (60.65 to 66.45)
Brazil	212559409	75.51 (75.25 to 75.73)	65.4 (62.5 to 67.83)
Colombia	50882884	80.11 (79.04 to 81.14)	70.4 (67.5 to 72.95)
Costa Rica	5094114	79.47 (78.89 to 80.04)	69.83 (67.04 to 72.23)
Cuba	11326616	78.42 (77.37 to 79.40)	69.15 (66.45 to 71.54)
Dominica	71991	72.77 (72.02 to 73.57)	64.08 (61.58 to 66.37)
Dominican Republic	10847904	73.09 (71.71 to 74.61)	64.23 (61.43 to 66.68)
Ecuador	17643060	76.73 (75.74 to 77.65)	67.21 (64.4 to 69.61)
El Salvador	6486201	74.01 (72.22 to 75.81)	65 (62.12 to 67.66)
Grenada	112519	74.11 (73.55 to 74.63)	65.24 (62.59 to 67.46)
Guatemala	17915567	72.63 (71.42 to 73.69)	63.67 (60.95 to 66.19)
Guyana	786559	69.21 (67.90 to 70.49)	60.44 (57.63 to 62.8)
Haiti	11402533	64.95 (63.05 to 66.94)	56.26 (53.4 to 58.87)
Honduras	9904608	73.98 (72.10 to 75.89)	64.91 (61.84 to 67.62)
Jamaica	2961161	74.66 (73.22 to 76.08)	65.6 (62.67 to 68.02)
Mexico	128932753	75.52 (75.27 to 75.76)	66.23 (63.6 to 68.47)
Nicaragua	6624554	78.80 (77.73 to 79.78)	68.8 (66.01 to 71.44)
Panama	4314768	79.29 (78.72 to 79.87)	69.44 (66.67 to 71.93)
Paraguay	7132530	76.12 (74.36 to 77.67)	66.05 (62.87 to 68.88)
Peru	32971846	80.31 (78.92 to 81.63)	70.28 (67.31 to 73.28)
Saint Lucia	183629	75.54 (74.90 to 76.13)	66.33 (63.69 to 68.64)
Saint Vincent and the Grenadines	110947	72.29 (71.66 to 72.88)	63.46 (60.9 to 65.77)
Suriname	586634	72.04 (70.94 to 73.22)	63.15 (60.5 to 65.54)
The Bahamas	393248	73.73 (72.87 to 74.63)	65.08 (62.46 to 67.58)
Trinidad and Tobago	1399491	74.24 (72.19 to 76.22)	64.99 (61.85 to 67.82)
Venezuela	28435943	75.29 (73.61 to 76.78)	66.21 (63.31 to 68.8)
North Africa and Middle East		74.24 (73.87 to 74.59)	63.36 (60.31 to 66.02)
Algeria	43851043	77.74 (77.30 to 78.19)	66.48 (63.26 to 69.32)
Bahrain	1701583	79.49 (78.81 to 80.16)	67.81 (64.48 to 70.79)
Egypt	102334403	70.64 (69.61 to 71.69)	60.81 (58.03 to 63.35)
Iran	83992953	77.35 (77.28 to 77.42)	65.74 (62.49 to 68.6)
Iraq	40222503	76.73 (76.06 to 77.34)	64.42 (61.07 to 67.49)
Jordan	10203140	79.33 (78.33 to 80.25)	67.73 (64.4 to 70.59)
Kuwait	4270563	83.12 (82.62 to 83.59)	70.75 (67.18 to 73.87)
Lebanon	6825442	77.97 (77.42 to 78.51)	66.26 (62.98 to 69.15)
Libya	6871287	72.96 (71.67 to 74.25)	62.13 (59.15 to 65.08)
Morocco	36910558	73.97 (72.35 to 75.60)	63.15 (59.94 to 66.11)
Oman	5106622	77.10 (75.60 to 78.63)	65.82 (62.77 to 68.91)
Palestine	5101416	76.85 (76.24 to 77.40)	65.14 (61.86 to 68.02)
Qatar	2881060	80.21 (78.73 to 81.64)	68.35 (64.98 to 71.59)
Saudi Arabia	34813867	76.86 (75.77 to 77.69)	66.32 (63.43 to 69.12)
Syria	17500657	69.79 (68.55 to 70.93)	59.79 (57.02 to 62.4)

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GBD regions and countries	Population in 2020 (N)	Life expectancy (Years, 95% UI)	HALE (Years, 95% UI)
Tunisia	11818618	78.33 (76.51 to 80.07)	67.31 (64.06 to 70.31)
Turkey	84339067	78.94 (78.13 to 79.74)	67.88 (64.76 to 70.73)
United Arab Emirates	9890400	73.32 (71.41 to 75.22)	63.1 (60.08 to 65.95)
Yemen	29825968	68.06 (65.47 to 70.43)	56.73 (53.29 to 60.32)
South Asia		72.54 (72.09 to 72.96)	59.48 (56.9 to 61.8)
Afghanistan	38928341	63.38 (61.63 to 65.10)	53.04 (49.94 to 55.91)
Bangladesh	164689383	73.12 (71.94 to 74.24)	63.06 (60.2 to 65.63)
Bhutan	771612	74.05 (72.45 to 75.80)	64.11 (61.09 to 66.86)
India	1380004385	68.97 (68.40 to 69.45)	59.37 (56.71 to 61.74)
Nepal	29136808	70.92 (69.77 to 72.12)	61.1 (58.38 to 63.55)
Pakistan	220892331	66.85 (64.93 to 68.67)	58 (55.18 to 60.65)
Southeast Asia, East Asia, and Oceania		75.61 (75.33 to 75.88)	66.64 (64.11 to 68.81)
Cambodia	16718971	69.88 (68.62 to 71.05)	60.74 (58.02 to 63.23)
China	1439323774	77.07 (76.73 to 77.42)	68.09 (65.62 to 70.28)
Federated States of Micronesia		67.21 (65.58 to 68.79)	58.23 (55.21 to 60.72)
Fiji	896444	68.07 (66.68 to 69.48)	59.14 (56.41 to 61.65)
Indonesia	273523621	71.48 (70.84 to 72.09)	62.65 (60.04 to 64.93)
Kiribati		62.41 (60.64 to 64.12)	53.97 (51.26 to 56.54)
Laos	7275556	67.58 (66.03 to 69.11)	59.48 (56.9 to 61.99)
Malaysia	32365998	74.72 (73.91 to 75.49)	65.97 (63.56 to 68.25)
Maldives	540542	81.45 (80.91 to 81.99)	71.12 (68.16 to 73.71)
Marshall Islands		64.54 (63.02 to 66.05)	56.41 (53.88 to 58.84)
Myanmar	54409794	68.50 (67.20 to 69.92)	59.9 (57.29 to 62.26)
North Korea		72.00 (70.65 to 73.39)	63.46 (61.06 to 65.94)
Papua New Guinea	8947027	58.50 (56.42 to 60.51)	50.83 (48.12 to 53.24)
Philippines	109581085	69.73 (68.38 to 71.19)	60.99 (58.36 to 63.32)
Samoa		72.88 (71.80 to 74.05)	63.26 (60.42 to 65.74)
Solomon Islands		65.73 (64.17 to 67.24)	57.15 (54.46 to 59.69)
Sri Lanka	21413250	77.47 (76.03 to 78.97)	67.87 (64.83 to 70.58)
Taiwan (Province of China)	23816775	79.95 (79.48 to 80.41)	69.93 (67.25 to 72.31)
Thailand	69799978	78.11 (77.15 to 79.16)	68.46 (65.67 to 70.89)
Timor-Leste	1318442	70.81 (69.64 to 72.13)	61.22 (58.36 to 63.79)
Tonga		71.77 (70.42 to 72.98)	62.3 (59.46 to 64.83)
Vanuatu		64.72 (61.80 to 67.36)	56.26 (53.18 to 59.2)
Vietnam	97338583	74.53 (73.31 to 75.60)	65.77 (63.21 to 68.14)
Sub-Saharan Africa		63.91 (63.06 to 64.65)	55.2 (52.68 to 57.58)
American Samoa		71.83 (70.86 to 72.80)	62.12 (59.31 to 64.73)
Angola	32866268	64.19 (62.55 to 65.80)	55.01 (52.16 to 57.77)
Benin	12123198	64.63 (62.65 to 66.47)	55.84 (52.97 to 58.66)
Bermuda	62273	81.34 (80.77 to 81.86)	71.38 (68.5 to 73.92)
Botswana	2351625	69.07 (67.37 to 70.38)	58.89 (55.81 to 61.63)
Burkina Faso	20903278	61.68 (59.95 to 63.25)	53.43 (50.68 to 55.91)
Burundi	11890781	61.55 (59.72 to 63.45)	53.8 (51.25 to 56.35)
Cameroon	26545864	62.98 (61.09 to 64.88)	54.49 (51.56 to 57.24)
Cape Verde	555988	75.77 (74.94 to 76.62)	65.85 (63.09 to 68.45)
Central African Republic	4829764	51.87 (49.79 to 54.08)	44.75 (42.16 to 47.31)
Chad	16425859	60.03 (58.22 to 61.79)	51.48 (48.73 to 54.09)
Comoros	869595	68.63 (67.14 to 70.18)	59.97 (57.24 to 62.54)
Congo	5518092	62.65 (60.81 to 64.62)	54.03 (51.22 to 56.71)
Cote d'Ivoire	26378275	62.48 (60.59 to 64.25)	54.15 (51.33 to 56.71)
Democratic Republic of the Congo	89561404	62.37 (60.71 to 64.10)	53.31 (50.35 to 56.11)
Djibouti	988002	67.35 (64.13 to 70.18)	59.26 (56.09 to 62.47)
Equatorial Guinea	1402985	65.52 (62.03 to 68.85)	56.32 (52.75 to 59.88)
Eritrea	3546427	62.67 (60.58 to 64.81)	54.36 (51.45 to 57.1)
Ethiopia	114963583	68.39 (67.46 to 69.31)	59.53 (56.93 to 61.91)

Table 4S Population, life expectancy and healthy life expectancy (HALE) for 195 countries and territories according to the GBD 2017 study.

GBD regions and countries	Population in 2020 (N)	Life expectancy (Years, 95% UI)	HALE (Years, 95% UI)
Gabon	2225728	68.39 (66.94 to 69.74)	58.74 (55.77 to 61.34)
Ghana	31072945	65.50 (64.27 to 66.76)	57.04 (54.37 to 59.5)
Greenland	56772	73.55 (73.03 to 74.08)	63.47 (60.68 to 65.91)
Guam	168783	73.09 (72.32 to 73.88)	63.63 (60.87 to 65.99)
Guinea	13132792	60.72 (59.11 to 62.26)	52.77 (49.99 to 55.36)
Guinea-Bissau	1967998	59.99 (58.30 to 61.61)	52 (49.3 to 54.31)
Kenya	53771300	65.86 (65.19 to 66.46)	57.62 (55.11 to 59.69)
Lesotho	2142252	54.66 (52.71 to 56.72)	46.95 (44.35 to 49.51)
Liberia	5057677	64.41 (62.82 to 66.07)	54.33 (51.16 to 57.26)
Madagascar	27691019	63.51 (61.64 to 65.39)	55.45 (52.71 to 58.07)
Malawi	19129955	63.21 (61.91 to 64.61)	55.03 (52.38 to 57.46)
Mali	20250834	61.95 (60.20 to 63.51)	53.12 (50.29 to 55.75)
Mauritania	4649660	70.53 (69.02 to 72.04)	60.9 (57.96 to 63.62)
Mauritius	1271767	74.77 (74.12 to 75.42)	64.78 (61.89 to 67.26)
Mozambique	31255435	58.35 (56.54 to 60.14)	50.6 (47.94 to 52.98)
Namibia	2540916	66.49 (64.64 to 68.21)	57.09 (54.14 to 59.85)
Niger	24206636	62.37 (60.54 to 64.10)	54.2 (51.58 to 56.79)
Nigeria	206139587	64.35 (61.05 to 67.08)	55.1 (51.56 to 58.34)
Northern Mariana Islands	57557	76.20 (75.27 to 77.19)	66.13 (63.03 to 68.58)
Puerto Rico	2860840	78.09 (77.55 to 78.64)	68.33 (65.45 to 70.76)
Rwanda	12952209	68.46 (67.13 to 69.88)	59.65 (56.96 to 62.19)
Sao Tome and Principe	219161	69.93 (68.69 to 71.22)	60.93 (58.27 to 63.53)
Senegal	16743930	68.05 (66.67 to 69.31)	58.85 (56.05 to 61.48)
Seychelles	98340	73.62 (73.12 to 74.12)	64.96 (62.49 to 67.16)
Sierra Leone	7976985	60.42 (58.70 to 62.21)	52.09 (49.38 to 54.7)
Somalia	15893219	58.52 (55.57 to 61.20)	51.2 (48.03 to 54.2)
South Africa	59308690	66.31 (65.50 to 66.99)	57.05 (54.46 to 59.38)
South Sudan	11193729	59.25 (56.06 to 62.35)	50.6 (47.1 to 53.91)
Sudan	43849269	70.30 (68.42 to 72.37)	60.01 (56.87 to 63.11)
Swaziland	1160164	59.89 (57.87 to 61.81)	51.33 (48.54 to 53.93)
Tanzania	59734213	66.72 (65.46 to 67.97)	58.23 (55.5 to 60.68)
The Gambia	2416664	65.77 (64.19 to 67.30)	56.72 (53.92 to 59.27)
Togo	8278737	64.37 (62.62 to 66.18)	55.84 (53.02 to 58.55)
Uganda	45741000	65.71 (64.22 to 67.17)	56.96 (54.45 to 59.57)
Virgin Islands, U.S.	104423	73.93 (72.82 to 75.40)	65.38 (62.69 to 67.88)
Zambia	18383956	63.20 (61.71 to 64.60)	55.13 (52.54 to 57.55)
Zimbabwe	14862927	61.35 (59.82 to 62.88)	53.15 (50.56 to 55.4)
Number of countries with data	195	195	195

Table 5S Dates of the first COVID-19 confirmed cases and deaths, national and local lockdown initiation, and tourists number

Countries and regions	Disease onset	Deaths onset	Localised lockdown onset	National lockdown onset	International tourism*
Central Europe, Eastern Europe, and Central Asia					186477600
Albania	9 March 2020	12 March 2020		11 March 2020	5340000
Armenia	1 March 2020	27 March 2020		2 March 2020	1652000
Azerbaijan	29 February 2020	21 March 2020		3 March 2020	2633000
Belarus	28 February 2020	3 April 2020			11501600
Bosnia and Herzegovina	6 March 2020	22 March 2020		11 March 2020	1053000
Bulgaria	8 March 2020	12 March 2020		26 March 2020	9273000
Croatia	26 February 2020	25 March 2020		16 March 2020	16645000
Czech Republic	2 March 2020	23 March 2020		11 March 2020	10611000
Estonia	28 February 2020	26 March 2020		16 March 2020	3234000
Georgia	27 February 2020	6 April 2020		2 March 2020	4757000
Hungary	5 March 2020	16 March 2020	11 March 2020	16 March 2020	17552000
Kazakhstan	15 March 2020	30 March 2020		16 March 2020	8789000
Kyrgyzstan	19 March 2020	2 April 2020		16 March 2020	423000
Latvia	3 March 2020	4 April 2020		13 March 2020	1946000
Lithuania	28 February 2020	21 March 2020		16 March 2020	2825000
Macedonia	27 February 2020	23 March 2020		11 March 2020	707000
Moldova	8 March 2020	19 March 2020		11 March 2020	160000
Mongolia	10 March 2020			19 February 2020	529000
Montenegro	18 March 2020	27 March 2020		16 March 2020	2077000
Poland	4 March 2020	13 March 2020		16 March 2020	19622000
Romania	27 February 2020	23 March 2020		11 March 2020	11720000
Russian Federation	1 February 2020	27 March 2020	11 March 2020		24551000
Serbia	7 March 2020	21 March 2020		16 March 2020	1711000
Slovakia	7 March 2020	7 April 2020	10 March 2020	16 March 2020	2256000
Slovenia	5 March 2020	25 March 2020		26 March 2020	4425000
Tajikistan	1 May 2020	4 May 2020		4 May 2020	1035000
Turkmenistan					
Ukraine	4 March 2020	19 March 2020	6 March 2020	12 March 2020	14104000
Uzbekistan	16 March 2020	29 March 2020		16 March 2020	5346000
High-income					672770920
Andorra	3 March 2020	27 March 2020		16 March 2020	3042000
Argentina	4 March 2020	8 March 2020		16 March 2020	6942000
Australia	25 January 2020	1 March 2020	24 March 2020		9246000
Austria	26 February 2020	13 March 2020		16 March 2020	30816000
Belgium	4 February 2020	12 March 2020		13 March 2020	9119000
Brunei	10 March 2020	29 March 2020		30 March 2020	278000
Canada	26 January 2020	10 March 2020	13 March 2020	23 March 2020	21134000
Chile	4 March 2020	23 March 2020		16 March 2020	5723000
Cyprus	10 March 2020	25 March 2020		13 March 2020	3939000
Denmark	27 February 2020	16 March 2020		16 March 2020	12749000
Finland	30 January 2020	22 March 2020		18 March 2020	3224000
France	25 January 2020	15 February 2020	3 March 2020	16 March 2020	89322000
Germany	28 January 2020	10 March 2020	3 March 2020	18 March 2020	38881000
Greece	27 February 2020	12 March 2020	5 March 2020	11 March 2020	30123000
Iceland	29 February 2020	20 March 2020	16 March 2020		2343800
Ireland	1 March 2020	12 March 2020		12 March 2020	10926000
Israel	22 February 2020	21 March 2020		12 March 2020	4121000
Italy	31 January 2020	23 February 2020	24 February 2020	10 March 2020	61567200
Japan	15 January 2020	13 February 2020		2 March 2020	31192000
Luxembourg	1 March 2020	14 March 2020		16 March 2020	1018000
Malta	8 March 2020	9 April 2020		13 March 2020	2599000
Netherlands	28 February 2020	7 March 2020		16 March 2020	18780000
New Zealand	28 February 2020	29 March 2020		24 March 2020	3686000
Norway	27 February 2020	13 March 2020		12 March 2020	5688000

Table 5S Dates of the first COVID-19 confirmed cases and deaths, national and local lockdown initiation, and tourists number

Countries and regions	Disease onset	Deaths onset	Localised lockdown onset	National lockdown onset	International tourism*
Portugal	3 March 2020	18 March 2020	5 March 2020	16 March 2020	16186000
Singapore	24 January 2020	22 March 2020		8 April 2020	14673000
South Korea	20 January 2020	21 February 2020		2 March 2020	15347000
Spain	1 February 2020	5 March 2020	11 March 2020	16 March 2020	82773000
Sweden	1 February 2020	12 March 2020	18 March 2020		7440000
Switzerland	26 February 2020	6 March 2020	12 March 2020	16 March 2020	10362000
United Kingdom	31 January 2020	7 March 2020	28 February 2020	20 March 2020	36316000
United States	21 January 2020	1 March 2020	28 February 2020		79745920
Uruguay	15 March 2020	30 March 2020		16 March 2020	3469000
Latin America and Caribbean					89260300
Antigua and Barbuda	15 March 2020	10 April 2020		13 March 2020	269000
Barbados	18 March 2020	6 April 2020		19 March 2020	680000
Belize	24 March 2020			23 March 2020	489000
Bolivia	12 March 2020	30 March 2020		12 March 2020	1142000
Brazil	26 February 2020	18 March 2020	12 March 2020	25 March 2020	6621000
Colombia	7 March 2020	22 March 2020		16 March 2020	3904000
Costa Rica	7 March 2020	19 March 2020		17 March 2020	3017000
Cuba	12 March 2020	19 March 2020		24 March 2020	4684000
Dominica	23 March 2020			23 March 2020	63000
Dominican Republic	2 March 2020	21 March 2020		19 March 2020	6569000
Ecuador	1 March 2020	14 March 2020		13 March 2020	2535000
El Salvador	19 March 2020	1 April 2020		11 March 2020	1677300
Grenada	23 March 2020			16 March 2020	185000
Guatemala	15 March 2020	16 March 2020		16 March 2020	1781000
Guyana	13 March 2020	13 March 2020		16 March 2020	287000
Haiti	20 March 2020	7 April 2020		20 March 2020	447000
Honduras	12 March 2020	27 March 2020		12 March 2020	
Jamaica	12 March 2020	25 March 2020		13 March 2020	2473000
Mexico	29 February 2020	21 March 2020		23 March 2020	41313000
Nicaragua	19 March 2020	28 March 2020			1256000
Panama	10 March 2020	11 March 2020		12 March 2020	1785000
Paraguay	8 March 2020	21 March 2020		11 March 2020	1181000
Peru	7 March 2020	20 March 2020		16 March 2020	4419000
Saint Lucia	15 March 2020			16 March 2020	395000
Saint Vincent and the Grenadines	13 March 2020			23 March 2020	80000
Suriname	15 March 2020	4 April 2020		16 March 2020	
The Bahamas	16 March 2020	2 April 2020		16 March 2020	1633000
Trinidad and Tobago	13 March 2020	26 March 2020		14 March 2020	375000
Venezuela	15 March 2020	27 March 2020		16 March 2020	
North Africa and Middle East					154911300
Algeria	26 February 2020	13 March 2020		12 March 2020	2657000
Bahrain	24 February 2020	17 March 2020		26 February 2020	12045000
Egypt	15 February 2020	9 March 2020		16 March 2020	11196000
Iran	20 February 2020	20 February 2020		26 February 2020	7295000
Iraq	25 February 2020	6 March 2020	28 February 2020	7 March 2020	
Jordan	3 March 2020	29 March 2020		15 March 2020	4150000
Kuwait	24 February 2020	5 April 2020		1 March 2020	8508000
Lebanon	22 February 2020	11 March 2020		2 March 2020	1964000
Libya	25 March 2020	3 April 2020		16 March 2020	
Morocco	3 March 2020	12 March 2020		16 March 2020	12289000
Oman	25 February 2020	1 April 2020		15 March 2020	2301000
Palestine	6 March 2020	27 March 2020	5 March 2020	16 March 2020	
Qatar	1 March 2020	29 March 2020		10 March 2020	1819300
Saudi Arabia	3 March 2020	25 March 2020		9 March 2020	15334000
Syria	23 March 2020	30 March 2020		16 March 2020	

Table 5S Dates of the first COVID-19 confirmed cases and deaths, national and local lockdown initiation, and tourists number

Countries and regions	Disease onset	Deaths onset	Localised lockdown onset	National lockdown onset	International tourism*
Tunisia	3 March 2020	21 March 2020		16 March 2020	8299000
Turkey	12 March 2020	19 March 2020		16 March 2020	45768000
United Arab Emirates	27 January 2020	22 March 2020		8 March 2020	21286000
Yemen	10 April 2020	1 May 2020	15 March 2020	25 March 2020	
South Asia					18870000
Afghanistan	25 February 2020	24 March 2020	3 March 2020	14 March 2020	
Bangladesh	9 March 2020	22 March 2020		17 March 2020	
Bhutan	6 March 2020		6 March 2020	18 March 2020	274000
India	30 January 2020	13 March 2020	4 March 2020	25 March 2020	17423000
Nepal	25 January 2020	17 May 2020		19 March 2020	1173000
Pakistan	27 February 2020	20 March 2020	27 February 2020	14 March 2020	
Southeast Asia, East Asia, and Oceania					184206000
Cambodia	28 January 2020		8 March 2020	16 March 2020	6201000
China	31 December 2019	11 January 2020	16 February 2020	21 February 2020	62900000
Federated States of Micronesia				16 March 2020	19200
Fiji	20 March 2020			23 March 2020	870000
Indonesia	2 March 2020	12 March 2020	16 March 2020	25 March 2020	15810000
Kiribati				30 March 2020	7100
Laos	25 March 2020			19 March 2020	3770000
Malaysia	25 January 2020	18 March 2020		18 March 2020	25832000
Maldives	8 March 2020	1 May 2020		12 March 2020	1484000
Marshall Islands				30 March 2020	6800
Myanmar	24 March 2020	1 April 2020	16 March 2020	20 March 2020	3551000
North Korea				2 March 2020	
Papua New Guinea	21 March 2020			23 March 2020	140000
Philippines	30 January 2020	2 February 2020	10 March 2020	16 March 2020	7168000
Samoa				20 March 2020	164000
Solomon Islands				30 March 2020	27900
Sri Lanka	28 January 2020	29 March 2020		13 March 2020	2334000
Taiwan (Province of China)	21 January 2020	17 February 2020			
Thailand	13 January 2020	1 March 2020		18 March 2020	38178000
Timor-Leste	22 March 2020			23 March 2020	75000
Tonga				27 March 2020	54000
Vanuatu			23 March 2020	30 March 2020	116000
Vietnam	24 January 2020		28 February 2020	31 March 2020	15498000
Sub-Saharan Africa					9972100
American Samoa					20200
Angola	22 March 2020	30 March 2020		24 March 2020	218000
Benin	17 March 2020	7 April 2020		30 March 2020	295000
Bermuda	20 March 2020	7 April 2020		23 March 2020	282000
Botswana	1 April 2020	2 April 2020		20 March 2020	
Burkina Faso	11 March 2020	19 March 2020		16 March 2020	144000
Burundi	1 April 2020	15 April 2020			
Cameroon	7 March 2020	25 March 2020		18 March 2020	
Cape Verde	21 March 2020	25 March 2020		14 April 2020	710000
Central African Republic	16 March 2020	24 May 2020		30 March 2020	
Chad	20 March 2020	29 April 2020		20 March 2020	
Comoros	2 May 2020			20 March 2020	35900
Congo	16 March 2020	1 April 2020		19 March 2020	156000
Cote d'Ivoire	12 March 2020	30 March 2020		17 March 2020	1965000
Democratic Republic of the Congo	11 March 2020	22 March 2020		19 March 2020	
Djibouti	19 March 2020	10 April 2020		20 March 2020	
Equatorial Guinea	15 March 2020	24 April 2020		15 March 2020	
Eritrea	22 March 2020			27 March 2020	
Ethiopia	14 March 2020	6 April 2020		16 March 2020	849000

Table 5S Dates of the first COVID-19 confirmed cases and deaths, national and local lockdown initiation, and tourists number

Countries and regions	Disease onset	Deaths onset	Localised lockdown onset	National lockdown onset	International tourism*
Gabon	13 March 2020	21 March 2020		16 March 2020	
Ghana	13 March 2020	22 March 2020		16 March 2020	
Greenland	20 March 2020			19 March 2020	
Guam	19 March 2020	22 March 2020			1549000
Guinea	14 March 2020	16 April 2020		25 March 2020	
Guinea-Bissau	27 March 2020	27 April 2020		17 March 2020	
Kenya	14 March 2020	27 March 2020		16 March 2020	
Lesotho	15 March 2020			19 March 2020	1173000
Liberia	17 March 2020	5 April 2020		16 March 2020	
Madagascar	21 March 2020	18 May 2020		21 March 2020	291000
Malawi	3 April 2020	8 April 2020		23 March 2020	871000
Mali	26 March 2020	1 April 2020		19 March 2020	14000
Mauritania	15 March 2020	3 April 2020		16 March 2020	
Mauritius	20 March 2020	22 March 2020		19 March 2020	1399000
Mozambique	23 March 2020	26 May 2020		23 March 2020	2743000
Namibia	15 March 2020			16 March 2020	
Niger	21 March 2020	25 March 2020		23 March 2020	157000
Nigeria	28 February 2020	24 March 2020		26 March 2020	
Northern Mariana Islands	31 March 2020	2 April 2020			517000
Puerto Rico	28 March 2020	28 March 2020			3068000
Rwanda	15 March 2020			16 March 2020	
Sao Tome and Principe	9 April 2020	1 May 2020		20 March 2020	33400
Senegal	3 March 2020	2 April 2020		16 March 2020	
Seychelles	15 March 2020		16 March 2020		362000
Sierra Leone	1 April 2020	24 April 2020		31 March 2020	57000
Somalia	17 March 2020	10 April 2020		18 March 2020	
South Africa	6 March 2020	27 March 2020		18 March 2020	10472000
South Sudan	6 April 2020	15 May 2020		20 March 2020	
Sudan	14 March 2020	15 March 2020		16 March 2020	836000
Swaziland	15 March 2020	18 April 2020		19 March 2020	782000
Tanzania	17 March 2020	29 March 2020		19 March 2020	1378000
The Gambia	18 March 2020			18 March 2020	552000
Togo	7 March 2020	28 March 2020		20 March 2020	573000
Uganda	22 March 2020			20 March 2020	
Virgin Islands, U.S.	24 March 2020	6 April 2020			381000
Zambia	19 March 2020	3 April 2020		20 March 2020	1072000
Zimbabwe	21 March 2020	24 March 2020		24 March 2020	2580000
Number of countries with data	185	163	33	179	164

*, arrivals in 2018; Data reported according to the European Center for Disease Prevention and Control, the United Nations Educational, Scientific and Cultural Organisation, and the 2018 World Bank report, respectively.