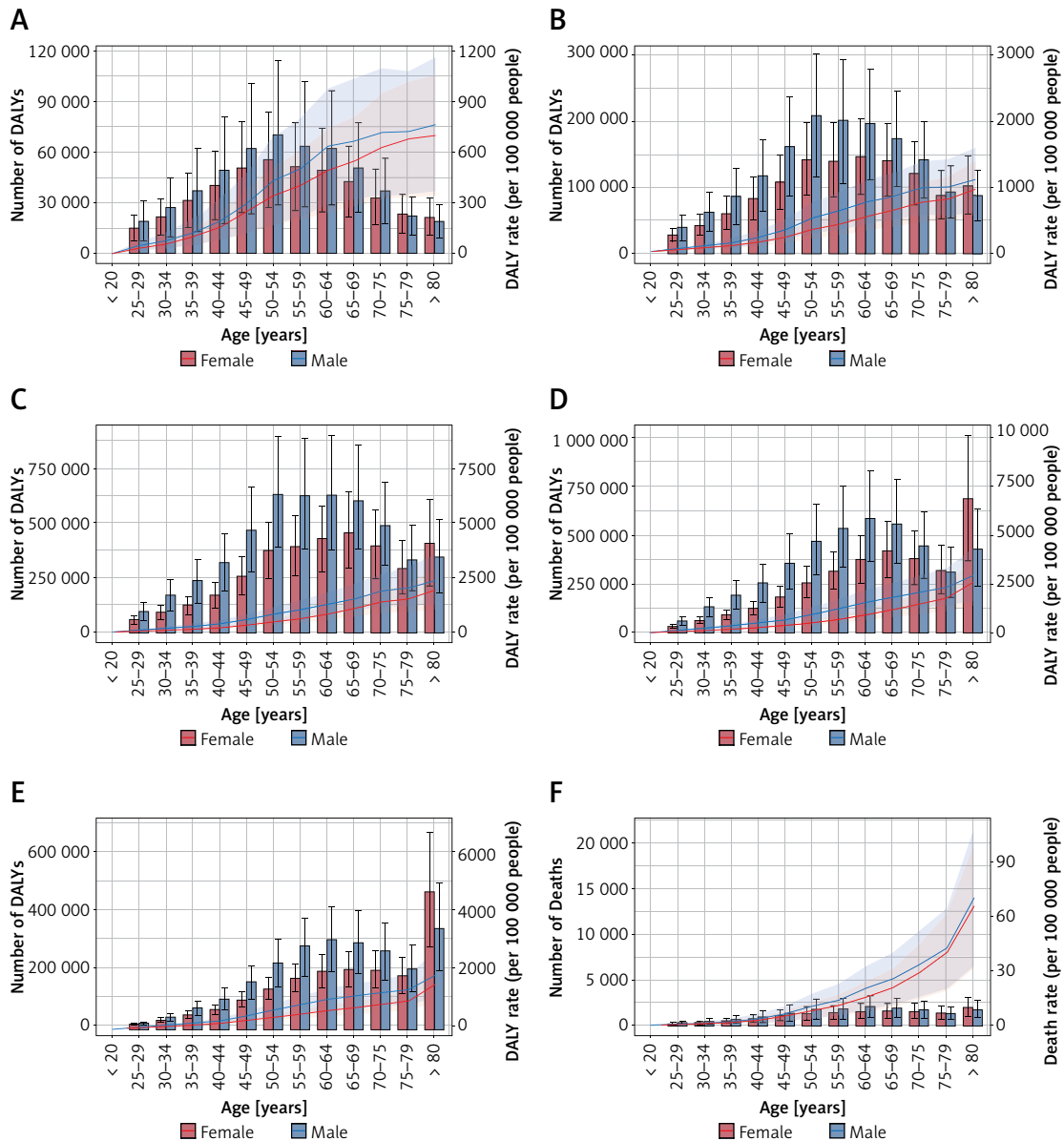
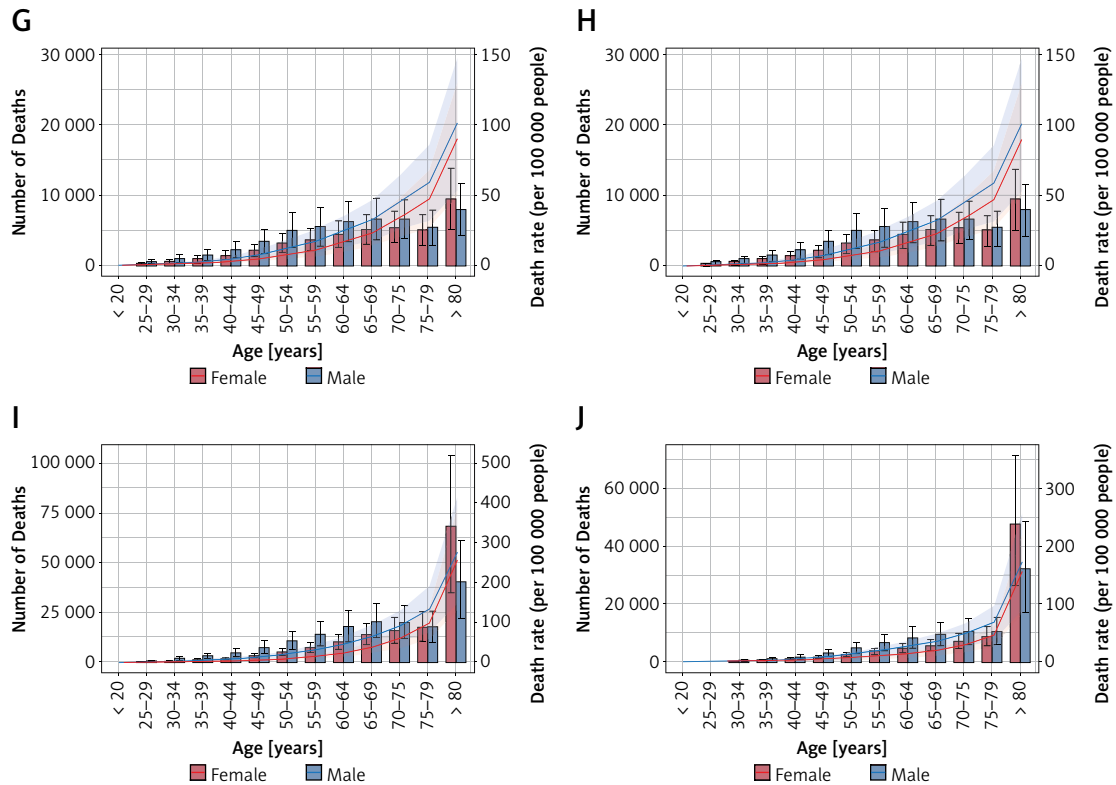




Supplementary Figure S1. Age-specific numbers and rates of diet high in red meat-related DALYs and death in males and females of 5 SDI regions. **A** – Age-specific numbers and rates of diet high in red meat-related DALYs in males and females of low SDI regions. **B** – Age-specific numbers and rates of diet high in red meat-related DALYs in males and females of low-middle SDI regions. **C** – Age-specific numbers and rates of diet high in red meat-related DALYs in males and females of middle SDI regions. **D** – Age-specific numbers and rates of diet high in red meat-related DALYs in males and females of high-middle SDI regions. **E** – Age-specific numbers and rates of diet high in red meat-related DALYs in males and females of high SDI regions. **F** – Age-specific numbers and rates of diet high in red meat-related deaths in males and females of low-SDI regions

DALY – disability-adjusted life year, SDI – socio-demographic index.



Supplementary Figure S1. Cont. **G** – Age-specific numbers and rates of diet high in red meat-related deaths in males and females of low-middle SDI regions. **H** – Age-specific numbers and rates of diet high in red meat-related deaths in males and females of middle SDI regions. **I** – Age-specific numbers and rates of diet high in red meat-related deaths in males and females of high-middle SDI regions. **J** – Age-specific numbers and rates of diet high in red meat-related deaths in males and females of high SDI regions

DALY – disability-adjusted life year, *SDI* – socio-demographic index.

Supplementary Material 1. Checklist of information that should be included in new reports of global health estimates

Item #	Checklist item	Section/paragraph/interpretation
Objectives and funding		
1	Define the indicator(s), populations (including age, sex, and geographic entities), and time period(s) for which estimates were made.	Method/Definitions section
2	List the funding sources for the work.	Funding section
Data inputs		
For all data inputs from multiple sources that are synthesized as part of the study:		
3	Describe how the data were identified and how the data were accessed.	Method/Definitions and Data source section
4	Specify the inclusion and exclusion criteria. Identify all ad-hoc exclusions.	Method/Definitions section
5	Provide information on all included data sources and their main characteristics. For each data source used, report reference information or contact name/institution, population represented, data collection method, year(s) of data collection, sex and age range, diagnostic criteria or measurement method, and sample size, as relevant.	Method/Data source section
6	Identify and describe any categories of input data that have potentially important biases (e.g., based on characteristics listed in item 5).	Method/Definitions section
For data inputs that contribute to the analysis but were not synthesized as part of the study:		
7	Describe and give sources for any other data inputs.	Method/Data source section Global Burden of Disease Collaborative Network (http://ghdx.healthdata.org/gbd-results-tool).
For all data inputs:		
8	Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet rather than a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared because of ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.	Method/Data source section Global Burden of Disease Collaborative Network (http://ghdx.healthdata.org/gbd-results-tool).
Data analysis		
9	Provide a conceptual overview of the data analysis method. A diagram may be helpful.	Flow diagrams of the overall methodological processes were available online (http://ghdx.healthdata.org/gbd-2019/code)
10	Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	Method/Statistical analyses section
11	Describe how candidate models were evaluated and how the final model(s) were selected.	Method/Statistical analyses section
12	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	Result
13	Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	Method/Statistical analyses section
14	State how analytic or statistical source code used to generate estimates can be accessed.	Method/Statistical analyses section

Supplementary Material 1. Cont.

Item #	Checklist item	Section/paragraph/interpretation
Results and Discussion		
15	Provide published estimates in a file format from which data can be efficiently extracted.	Result/Tables section
16	Report a quantitative measure of the uncertainty of the estimates (e.g., uncertainty intervals).	Result/Tables section
17	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	Discussion/paragraph 1-5
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.	Discussion/paragraph 6

Supplementary Material 2. Definitions materials

Definition	
Disability-adjusted life years (DALY)	DALY means the sum of years lost due to premature mortality (YLL) and ill-health disability (YLD). One DALY represents the loss of the equivalent of one year of full health [1].
Socio-demographic index (SDI)	SDI is a composite indicator to evaluate social development which combines income per capita, total fertility rates, and average educational attainment, and it is expressed on a scale of 0 to 1 [2]. Countries and territories are categorized into five groups by applying SDI (high, high-middle, middle, low-middle, low SDI).
Age stratification	We split ages into those age groups including age under 20, 25–29, 30–34, 35–39, 40–44, 45–49, 50–54, 55–59, 60–64, 65–69, 70–74, 75–79, 80 plus years.
Estimated annual percentage changes (EAPC)	We used EAPC to quantify the trends of age-standardized death and DALY rates. The regression model was applied in the mathematical formulae of EAPC by fitting age-standardized data from 1990 to 2019 into $y = \alpha + \beta x + \epsilon$, where $y = \ln(\text{rate})$ and $x = \text{calendar year}$. Furthermore, the EAPC was calculated by $100 \times (\exp(\beta) - 1)$, together with its 95% uncertainty interval (UI) [3].
Age-standardized data	The age-standardized data could eliminate the confounding of ages.

References

1. World Health Organization; 2022. Disability-adjusted life years (DALYs). Available from: <https://www.who.int/data/gho/indicator-metadata-registry/imr-details/158>. Accessed 2 May 2022.
2. IHME; 2022. Socio-demographic Index (SDI). Available from: <http://www.healthdata.org/taxonomy/glossary/socio-demographic-index-sdi>. Accessed 2 May 2022.
3. Liu Q, He H, Yang J, Feng X, Zhao F, Lyu J. Changes in the global burden of depression from 1990 to 2017: findings from the Global Burden of Disease study. *J Psychiatr Res* 2020; 126: 134-40.

Supplementary Table S1. Deaths and DALYs attributable to diet high in red meat of all countries and territories

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Afghanistan	1996.3 (665.8, 3500.3)	29.1 (9.8, 50.5)	2255.8 (786.3, 3932.7)	17.4 (6.2, 29.6)	-1.9% (-2.1%, -1.8%)	-40.0% (-57.0%, -19.8%)	61347.6 (22389.2, 107269.1)	819.9 (301.2, 1418.7)	80985.8 (30496.7, 140145.3)	483.5 (187.1, 812.2)	-2.0% (-2.1%, -1.9%)	-41.0% (-57.9%, -19.7%)
Albania	239.5 (84.5, 377.2)	13.1 (4.6, 20.7)	693.8 (327.5, 1121.2)	16.8 (8.0, 27.1)	1.3% (1.0%, 1.5%)	28.0% (-6.4%, 108.0%)	5911.0 (2343.4, 9122.3)	276.9 (106.5, 428.5)	14893.5 (8218.9, 22820.5)	371.3 (206.2, 564.6)	1.5% (1.2%, 1.7%)	34.1% (-2.2%, 118.3%)
Algeria	1281.2 (372.9, 2238.6)	13.5 (4.2, 23.3)	2545.2 (838.1, 4435.8)	9.2 (3.0, 16.0)	-1.3% (-1.4%, -1.2%)	-31.7% (-47.4%, -10.7%)	38543.6 (12040.9, 67237.5)	303.0 (99.0, 522.9)	73807.3 (29087.2, 122459.7)	210.5 (80.6, 349.2)	-1.3% (-1.4%, -1.2%)	-30.5% (-47.8%, 1.3%)
American Samoa	4.6 (2.7, 6.7)	21.1 (12.0, 30.6)	8.5 (4.4, 12.5)	18.6 (9.7, 27.6)	-0.5% (-0.5%, -0.5%)	-11.7% (-30.3%, 9.4%)	169.1 (100.6, 238.5)	621.8 (370.0, 874.0)	299.5 (166.2, 433.2)	591.1 (332.0, 854.3)	-0.2% (-0.3%, -0.2%)	-4.9% (-25.1%, 19.1%)
Andorra	5.8 (3.5, 8.9)	12.5 (7.3, 19.1)	12.0 (7.1, 18.1)	7.9 (4.7, 12.0)	-1.6% (-1.8%, -1.5%)	-36.4% (-55.7%, -12.4%)	161.1 (103.4, 237.7)	289.7 (184.7, 423.4)	292.2 (195.9, 416.6)	211.3 (141.6, 300.6)	-1.2% (-1.3%, -1.1%)	-27.0% (-47.7%, -2.4%)
Angola	325.8 (126.9, 539.1)	8.7 (3.6, 14.3)	902.6 (387.4, 1475.1)	8.9 (4.1, 14.1)	0.2% (0.2%, 0.3%)	2.5% (-22.5%, 42.2%)	10973.2 (4429.1, 18025.3)	235.6 (97.4, 383.5)	30555.4 (14289.1, 48997.4)	232.8 (111.9, 367.3)	0.1% (0.1%, 0.2%)	-1.2% (-26.8%, 39.9%)
Antigua and Barbuda	5.9 (2.9, 8.9)	11.0 (5.3, 16.3)	7.6 (3.9, 11.2)	8.1 (4.2, 11.9)	-1.3% (-1.5%, -1.0%)	-26.6% (-39.4%, -8.9%)	146.1 (73.6, 212.7)	284.8 (143.2, 416.1)	217.9 (117.4, 318.8)	210.0 (113.9, 308.3)	-1.2% (-1.5%, -1.0%)	-26.3% (-41.0%, -6.7%)
Argentina	11348.7 (8010.8, 14469.1)	36.9 (26.0, 47.4)	11115.4 (8123.7, 14194.3)	20.5 (15.0, 26.1)	-2.2% (-2.4%, -2.0%)	-44.5% (-49.3%, -38.3%)	290343.1 (213645.2, 361893.8)	906.2 (666.3, 1130.8)	275763.8 (212143.2, 336250.1)	527.1 (404.4, 640.4)	-2.1% (-2.3%, -1.8%)	-41.8% (-46.7%, -35.0%)
Armenia	406.9 (151.7, 663.5)	17.2 (6.1, 28.3)	619.0 (250.6, 1040.0)	15.5 (6.2, 26.2)	-0.6% (-0.8%, -0.5%)	-9.7% (-26.5%, 24.6%)	10623.2 (4437.1, 16673.3)	387.3 (158.6, 611.8)	15107.1 (7298.7, 23823.5)	373.8 (179.2, 589.8)	-0.2% (-0.4%, 0.0%)	-3.5% (-22.3%, 35.7%)
Australia	5429.4 (3353.0, 7377.3)	28.9 (17.9, 39.4)	5165.9 (3525.3, 6816.9)	11.5 (7.9, 15.0)	-3.4% (-3.6%, -3.2%)	-60.3% (-65.1%, -53.3%)	120288.0 (78332.4, 158580.7)	627.7 (409.2, 826.6)	109154.2 (80561.0, 135348.2)	280.0 (209.0, 345.2)	-2.9% (-3.1%, -2.7%)	-55.4% (-60.8%, -46.1%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Austria	2977.0 (1875.4, 4118.6)	25.1 (15.9, 34.7)	1997.5 (1078.9, 2925.2)	9.8 (5.5, 14.3)	-3.7% (-3.9%, -3.5%)	-60.8% (-67.9%, -55.1%)	62884.5 (41772.4, 83481.4)	563.9 (376.8, 744.9)	39197.0 (24788.1, 52952.2)	233.9 (153.6, 311.0)	-3.5% (-3.8%, -3.2%)	-58.5% (-63.7%, -52.7%)
Azerbaijan	700.6 (189.7, 1176.5)	14.6 (4.0, 24.5)	1714.4 (603.4, 2832.1)	23.6 (7.7, 39.2)	2.3% (1.9%, 2.6%)	62.4% (35.4%, 113.8%)	19260.0 (5880.2, 31900.9)	363.8 (111.0, 602.7)	47090.1 (18972.4, 75728.8)	498.2 (200.9, 802.5)	1.5% (1.2%, 1.9%)	37.0% (14.2%, 85.5%)
Bahamas	25.5 (14.7, 36.7)	16.9 (9.6, 24.5)	46.8 (26.9, 69.5)	12.3 (7.1, 18.2)	-1.2% (-1.3%, -1.1%)	-27.2% (-40.5%, -9.6%)	801.3 (482.1, 1116.4)	466.5 (279.7, 654.7)	1560.0 (987.5, 2219.4)	373.2 (236.1, 531.3)	-0.8% (-0.9%, -0.7%)	-20.0% (-34.0%, -1.0%)
Bahrain	33.4 (10.7, 57.8)	21.8 (7.3, 37.3)	83.7 (36.8, 135.1)	12.4 (5.2, 19.6)	-2.0% (-2.3%, -1.8%)	-43.2% (-62.6%, 3.8%)	1129.0 (401.6, 1907.2)	505.9 (184.1, 847.4)	3324.5 (1563.2, 5203.5)	293.3 (137.1, 454.8)	-2.2% (-2.3%, -2.0%)	-42.0% (-63.3%, 4.9%)
Bangladesh	1101.9 (482.7, 1778.7)	2.5 (1.2, 3.9)	3101.7 (1305.5, 5097.9)	2.6 (1.1, 4.1)	0.4% (0.0%, 0.9%)	2.7% (-20.0%, 32.0%)	33447.0 (13674.7, 55010.4)	63.1 (27.4, 101.9)	86648.1 (35636.6, 143800.5)	63.6 (26.5, 104.5)	0.4% (0.1%, 0.7%)	0.7% (-22.1%, 31.8%)
Barbados	49.9 (30.1, 69.4)	17.1 (10.3, 23.7)	46.5 (26.8, 68.0)	9.6 (5.6, 14.0)	-2.3% (-2.6%, -2.1%)	-43.8% (-55.5%, -31.5%)	1155.9 (727.4, 1571.0)	425.5 (268.7, 576.6)	1164.5 (664.2, 1668.3)	250.0 (143.1, 355.1)	-2.2% (-2.4%, -1.9%)	-41.2% (-54.3%, -28.3%)
Belarus	4230.5 (2193.6, 6282.6)	34.1 (17.3, 50.7)	5126.3 (2289.3, 8178.2)	32.2 (14.6, 51.3)	-0.5% (-0.7%, -0.3%)	-5.5% (-26.8%, 19.1%)	104947.2 (62127.7, 147455.0)	830.0 (488.1, 1169.3)	116645.3 (62055.4, 177664.1)	768.9 (414.6, 1176.2)	-0.6% (-0.9%, -0.3%)	-7.4% (-26.6%, 17.2%)
Belgium	2333.7 (1250.9, 3511.4)	15.5 (8.4, 23.0)	2236.6 (1430.7, 3115.2)	8.9 (5.8, 12.0)	-2.1% (-2.3%, -1.9%)	-42.6% (-51.3%, -24.7%)	50089.9 (29593.0, 71489.4)	349.2 (208.3, 496.2)	49298.9 (34599.7, 63497.5)	240.8 (171.5, 303.7)	-1.4% (-1.6%, -1.2%)	-31.1% (-42.8%, -9.4%)
Belize	6.9 (2.9, 10.8)	7.6 (3.2, 11.9)	15.2 (6.9, 23.6)	5.7 (2.6, 8.7)	-1.5% (-1.9%, -1.1%)	-25.7% (-40.3%, -2.1%)	181.1 (79.8, 275.5)	188.2 (82.9, 286.8)	475.1 (227.3, 724.1)	155.9 (74.1, 238.4)	-1.2% (-1.5%, -0.8%)	-17.2% (-35.0%, 9.4%)
Benin	102.3 (39.5, 166.3)	5.4 (2.2, 8.7)	190.2 (77.3, 320.5)	4.3 (1.8, 7.2)	-0.7% (-0.8%, -0.6%)	-19.8% (-37.4%, 2.6%)	2844.5 (1158.8, 4636.1)	134.0 (55.5, 217.0)	5699.0 (2396.1, 9593.0)	105.5 (45.2, 174.8)	-0.8% (-1.0%, -0.7%)	-21.3% (-39.5%, 3.3%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Bermuda	13.1 (6.4, 20.2)	22.1 (10.7, 34.1)	12.3 (6.8, 18.8)	9.3 (5.2, 14.1)	-3.0% (-3.3%, -2.8%)	-58.0% (-66.2%, -43.4%)	332.5 (182.2, 490.8)	523.8 (285.5, 777.6)	308.3 (200.5, 428.7)	259.2 (170.1, 358.4)	-2.4% (-2.7%, -2.2%)	-50.5% (-60.6%, -33.3%)
Bhutan	8.6 (2.9, 15.3)	3.7 (1.4, 6.4)	20.1 (7.6, 33.9)	3.8 (1.5, 6.5)	0.1% (0.0%, 0.1%)	3.2% (-28.7%, 45.8%)	283.4 (97.3, 500.0)	98.3 (35.4, 171.5)	571.3 (214.1, 954.1)	95.6 (37.6, 158.3)	-0.2% (-0.3%, -0.1%)	-2.8% (-32.4%, 43.1%)
Bolivia (Plurinational State of)	512.9 (281.1, 749.3)	16.7 (9.0, 25.0)	1060.2 (615.8, 1617.8)	13.0 (7.4, 19.9)	-0.9% (-1.1%, -0.7%)	-22.4% (-40.3%, -0.4%)	15696.2 (9129.7, 22513.5)	436.4 (247.3, 624.3)	30133.2 (18510.8, 44002.4)	326.2 (200.3, 476.3)	-1.0% (-1.2%, -0.8%)	-25.3% (-42.2%, -3.5%)
Bosnia and Herzegovina	305.0 (116.8, 492.5)	8.8 (3.3, 14.3)	571.2 (257.7, 928.1)	10.2 (4.5, 16.6)	0.7% (0.5%, 1.0%)	15.8% (-12.4%, 66.3%)	8413.6 (3438.4, 13257.1)	202.0 (82.4, 319.4)	13332.3 (6585.7, 20759.3)	237.2 (117.6, 369.0)	0.7% (0.6%, 0.9%)	17.4% (-10.2%, 69.2%)
Botswana	88.3 (45.1, 137.8)	16.8 (8.7, 25.7)	214.7 (110.8, 340.4)	17.4 (9.1, 27.3)	-0.2% (-0.5%, 0.1%)	3.7% (-24.5%, 41.9%)	2644.0 (1368.0, 4054.6)	425.8 (222.6, 654.5)	6677.1 (3519.2, 10477.8)	436.8 (233.3, 673.6)	-0.3% (-0.6%, 0.0%)	2.6% (-27.1%, 41.1%)
Brazil	17904.5 (10891.6, 24923.3)	21.2 (12.7, 29.9)	39849.0 (28334.3, 50772.6)	17.1 (12.1, 21.8)	-0.7% (-1.0%, -0.5%)	-19.6% (-32.7%, 4.1%)	567718.1 (363018.1, 772292.4)	569.5 (361.5, 774.9)	1180345.8 (868005.0, 1467241.2)	487.0 (358.1, 606.1)	-0.6% (-0.8%, -0.3%)	-14.5% (-27.7%, 11.8%)
Brunei Darussalam	21.6 (12.0, 31.3)	24.5 (13.6, 35.6)	26.4 (12.6, 39.8)	11.0 (5.3, 16.6)	-2.7% (-2.9%, -2.5%)	-55.3% (-65.8%, -46.3%)	746.9 (431.1, 1061.1)	625.6 (370.4, 888.5)	976.5 (499.2, 1464.1)	282.6 (144.6, 423.3)	-2.8% (-3.1%, -2.5%)	-54.8% (-65.2%, -46.0%)
Bulgaria	4609.1 (2654.4, 6644.6)	43.4 (23.9, 63.2)	4739.0 (2776.0, 7023.3)	33.6 (19.7, 49.7)	-1.3% (-1.5%, -1.1%)	-22.5% (-39.4%, 1.2%)	115089.1 (73152.3, 158776.8)	984.0 (615.4, 1364.0)	106133.0 (66985.1, 152496.1)	827.3 (524.2, 1175.3)	-0.9% (-1.1%, -0.8%)	-15.9% (-33.7%, 7.4%)
Burkina Faso	262.5 (101.3, 425.1)	6.6 (2.7, 10.6)	755.1 (288.6, 1212.0)	8.9 (3.5, 14.2)	1.2% (1.0%, 1.4%)	34.6% (7.5%, 68.0%)	8048.3 (3283.3, 12820.3)	170.8 (71.8, 271.7)	23668.0 (10077.8, 37200.3)	227.6 (96.4, 356.1)	1.1% (0.9%, 1.2%)	33.2% (5.4%, 68.3%)
Burundi	89.1 (38.3, 149.2)	4.0 (1.8, 6.6)	98.1 (44.6, 166.0)	2.4 (1.2, 4.0)	-1.9% (-2.1%, -1.7%)	-38.5% (-54.6%, -14.9%)	2697.1 (1102.9, 4567.2)	104.2 (44.5, 173.7)	3053.2 (1350.6, 5183.3)	59.1 (27.6, 98.5)	-2.2% (-2.5%, -1.9%)	-43.3% (-59.0%, -19.5%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Cabo Verde	12.4 (4.0, 20.3)	5.4 (1.7, 8.9)	30.3 (12.8, 47.4)	7.2 (3.0, 11.3)	0.2% (-0.2%, 0.5%)	32.6% (9.2%, 88.6%)	142.7 (53.9, 223.3)	770.4 (356.3, 1176.4)	172.5 (78.9, 264.1)	0.0% (-0.3%, 0.2%)	20.9% (-2.5%, 62.0%)
Cambodia	403.2 (145.2, 639.9)	9.3 (3.6, 14.6)	991.6 (421.6, 1550.7)	9.1 (4.0, 14.2)	-0.3% (-0.4%, -0.2%)	-2.0% (-24.5%, 25.6%)	252.9 (95.3, 395.9)	30100.4 (12980.3, 46617.2)	235.4 (104.2, 363.1)	-0.6% (-0.7%, -0.4%)	-6.9% (-28.3%, 24.3%)
Cameroon	335.5 (135.3, 519.3)	8.2 (3.5, 12.7)	846.9 (356.7, 1398.6)	7.8 (3.4, 12.7)	-0.1% (-0.3%, 0.1%)	-5.1% (-28.7%, 27.3%)	206.1 (86.5, 315.3)	26743.0 (11752.9, 43580.1)	194.5 (86.6, 315.5)	-0.1% (-0.3%, 0.1%)	-5.6% (-31.4%, 27.7%)
Canada	5074.1 (2514.3, 7713.5)	16.1 (8.0, 24.4)	5435.8 (2951.6, 8101.5)	7.5 (4.1, 11.1)	-3.2% (-3.4%, -3.0%)	-53.6% (-59.4%, -43.2%)	378.1 (214.1, 545.1)	121934.8 (77925.5, 167896.9)	193.3 (125.1, 262.2)	-2.7% (-3.0%, -2.5%)	-48.9% (-55.1%, -36.6%)
Central African Republic	237.8 (113.8, 362.8)	20.8 (9.8, 31.6)	484.2 (261.5, 764.2)	22.8 (12.2, 35.7)	0.5% (0.3%, 0.6%)	9.8% (-15.9%, 48.2%)	573.5 (290.3, 862.9)	16978.2 (9693.8, 26261.1)	638.0 (361.5, 975.6)	0.5% (0.3%, 0.7%)	11.3% (-15.4%, 52.0%)
Chad	246.0 (97.8, 383.0)	9.2 (3.7, 14.4)	480.5 (193.5, 784.4)	9.2 (3.8, 14.9)	0.0% (-0.1%, 0.1%)	0.0% (-19.7%, 25.4%)	238.3 (100.6, 362.8)	15137.4 (6633.9, 24196.4)	237.0 (105.6, 380.7)	-0.1% (-0.2%, 0.1%)	-0.5% (-21.8%, 25.5%)
Chile	1159.1 (608.6, 1704.0)	12.9 (6.6, 19.3)	2309.0 (1595.2, 3064.2)	9.7 (6.7, 12.9)	-0.8% (-0.9%, -0.7%)	-24.7% (-39.4%, 10.9%)	298.0 (172.9, 423.7)	62583.0 (44951.8, 79842.6)	265.5 (190.3, 338.7)	-0.2% (-0.3%, -0.2%)	-10.9% (-27.8%, 25.5%)
China	118444.4 (59612.8, 173606.7)	16.2 (8.0, 24.0)	323380.4 (204050.3, 456381.2)	17.8 (10.9, 25.4)	0.6% (0.4%, 0.8%)	9.8% (-16.2%, 59.8%)	395.3 (208.0, 569.3)	8749511.7 (6073753.9, 11756943.0)	441.4 (304.4, 596.2)	0.6% (0.5%, 0.8%)	11.7% (-12.3%, 61.9%)
Colombia	1926.2 (882.1, 2976.5)	11.5 (5.1, 18.0)	3199.3 (1412.0, 5446.9)	5.9 (2.6, 10.1)	-2.6% (-2.8%, -2.5%)	-48.8% (-60.3%, -33.6%)	309.3 (157.6, 459.0)	95818.6 (53134.4, 144488.9)	181.4 (100.8, 273.3)	-2.1% (-2.3%, -1.9%)	-41.4% (-54.0%, -24.0%)
Comoros	11.7 (4.5, 20.6)	5.7 (2.3, 9.7)	19.3 (8.2, 31.2)	4.2 (1.8, 6.7)	-1.1% (-1.3%, -0.9%)	-24.9% (-45.9%, 17.8%)	144.2 (55.2, 254.5)	538.6 (235.7, 887.0)	104.5 (47.3, 170.0)	-1.3% (-1.5%, -1.0%)	-27.5% (-49.3%, 27.0%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Congo	116.0 (45.5, 187.3)	11.5 (4.7, 18.6)	241.9 (102.6, 395.8)	10.0 (4.4, 16.2)	-0.5% (-0.6%, -0.3%)	-12.6% (-33.6%, 14.5%)	309.1 (127.8, 493.6)	7968.0 (3620.9, 12768.7)	260.6 (120.6, 414.6)	-0.6% (-0.7%, -0.4%)	-15.7% (-36.8%, 12.5%)
Cook Islands	2.5 (1.4, 3.5)	20.2 (11.2, 28.9)	3.9 (2.2, 5.7)	16.5 (9.2, 24.1)	-0.8% (-0.9%, -0.7%)	-18.7% (-36.1%, 5.2%)	572.6 (326.6, 817.7)	117.7 (70.4, 164.5)	502.9 (300.8, 710.5)	-0.5% (-0.6%, -0.4%)	-12.2% (-31.7%, 16.1%)
Costa Rica	148.4 (61.0, 238.3)	8.8 (3.5, 14.2)	260.2 (108.6, 448.2)	5.0 (2.1, 8.6)	-2.4% (-2.8%, -2.0%)	-42.8% (-56.1%, -24.5%)	229.2 (110.0, 349.3)	8058.5 (4202.6, 12378.7)	154.6 (80.7, 237.6)	-1.7% (-2.1%, -1.3%)	-32.6% (-46.5%, -13.0%)
Croatia	964.9 (406.5, 1543.4)	16.8 (6.8, 27.2)	1027.7 (476.5, 1697.1)	11.4 (5.3, 19.0)	-1.0% (-1.3%, -0.7%)	-32.1% (-47.0%, -6.2%)	373.4 (167.9, 576.1)	21733.1 (11979.2, 32894.2)	268.2 (149.5, 401.4)	-0.9% (-1.2%, -0.6%)	-28.2% (-43.6%, 1.5%)
Cuba	1231.3 (482.8, 1992.3)	12.4 (4.8, 20.2)	1533.2 (650.9, 2546.5)	7.9 (3.4, 13.0)	-1.5% (-1.8%, -1.1%)	-36.6% (-49.2%, -16.6%)	318.6 (145.9, 490.4)	39783.6 (20514.1, 61679.3)	219.8 (113.5, 339.4)	-1.1% (-1.5%, -0.7%)	-31.0% (-45.1%, -10.9%)
Cyprus	166.5 (96.2, 241.8)	25.6 (14.2, 37.3)	171.7 (90.7, 262.1)	10.1 (5.3, 15.4)	-3.8% (-4.0%, -3.6%)	-60.7% (-67.8%, -53.0%)	505.0 (298.7, 716.7)	4069.5 (2380.3, 5836.2)	221.8 (128.6, 322.2)	-3.4% (-3.6%, -3.1%)	-56.1% (-63.0%, -49.1%)
Czechia	4637.4 (2498.0, 6868.1)	35.1 (18.8, 52.1)	2839.1 (1342.3, 4568.2)	13.2 (6.2, 21.1)	-3.6% (-3.8%, -3.4%)	-62.5% (-71.2%, -54.9%)	831.9 (495.3, 1177.4)	66521.8 (40364.8, 95836.0)	341.7 (211.9, 488.5)	-3.3% (-3.6%, -3.0%)	-58.9% (-66.3%, -49.6%)
Côte d'Ivoire	374.6 (145.4, 594.7)	10.1 (4.0, 15.9)	793.3 (319.4, 1298.1)	8.2 (3.4, 13.1)	-0.7% (-0.8%, -0.7%)	-18.9% (-34.5%, 0.1%)	257.5 (108.2, 403.1)	26554.7 (11588.5, 42753.4)	208.4 (92.9, 331.5)	-0.8% (-0.8%, -0.7%)	-19.1% (-36.1%, 2.3%)
Democratic People's Republic of Korea	1251.0 (486.6, 2044.6)	8.4 (3.4, 13.6)	2457.7 (937.7, 3945.3)	8.0 (3.1, 12.7)	0.0% (-0.1%, 0.2%)	-5.0% (-26.8%, 20.8%)	223.9 (93.9, 358.9)	70117.6 (28023.2, 112403.7)	215.2 (86.8, 344.5)	0.1% (0.0%, 0.2%)	-3.9% (-27.6%, 24.6%)
Democratic Republic of the Congo	561.6 (232.0, 932.7)	4.0 (1.8, 6.4)	843.8 (371.7, 1401.2)	2.7 (1.2, 4.3)	-1.4% (-1.7%, -1.2%)	-33.1% (-47.9%, -13.2%)	99.9 (43.2, 161.1)	26461.3 (11628.2, 43487.3)	66.3 (30.6, 106.9)	-1.5% (-1.7%, -1.2%)	-33.7% (-48.9%, -14.3%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (0.2%, 0.4%)	Percentage change in age-standardized DALY rates, 1990-2019
Denmark	1959.2 (1053.8, 2897.3)	24.1 (13.0, 35.3)	1152.8 (742.5, 1583.8)	9.5 (6.3, 13.0)	-3.8% (-4.0%, -3.6%)	-60.5% (-67.0%, -47.9%)	41285.4 (24413.1, 58013.4)	552.6 (334.2, 769.3)	23626.1 (16661.0, 30639.0)	226.5 (162.8, 289.2)	-3.6% (-3.8%, -3.4%)	-59.0% (-65.3%, -46.8%)
Djibouti	12.9 (5.1, 20.7)	9.7 (4.1, 15.4)	56.6 (26.0, 92.2)	10.6 (4.9, 16.9)	0.5% (0.4%, 0.6%)	9.0% (-20.5%, 52.4%)	453.1 (189.1, 719.4)	253.2 (109.8, 397.7)	1902.0 (910.7, 3070.0)	266.9 (128.6, 425.5)	0.3% (0.2%, 0.4%)	5.4% (-24.6%, 52.3%)
Dominica	8.1 (3.9, 12.2)	11.4 (5.4, 17.1)	8.6 (4.5, 12.9)	9.6 (5.1, 14.4)	-0.7% (-0.8%, -0.7%)	-16.1% (-32.9%, 9.6%)	188.9 (95.9, 279.0)	282.4 (143.4, 416.3)	229.6 (127.5, 336.1)	263.0 (146.0, 385.0)	-0.4% (-0.5%, -0.4%)	-6.9% (-25.3%, 21.2%)
Dominican Republic	253.6 (96.2, 413.2)	7.1 (2.7, 11.7)	1019.5 (404.6, 1733.7)	11.1 (4.4, 18.9)	2.3% (2.0%, 2.6%)	55.8% (17.2%, 108.2%)	7832.6 (2976.4, 12493.6)	185.4 (73.3, 296.2)	29454.2 (12328.8, 48798.6)	300.1 (126.0, 495.2)	2.2% (2.0%, 2.4%)	61.9% (21.3%, 118.3%)
Ecuador	389.9 (169.6, 592.8)	7.6 (3.4, 11.7)	1225.5 (657.2, 1884.8)	8.6 (4.5, 13.2)	0.7% (0.4%, 0.9%)	12.6% (-15.1%, 66.7%)	12052.3 (5535.2, 17749.1)	200.1 (93.9, 294.6)	38280.0 (22238.5, 55829.0)	244.0 (139.8, 356.2)	0.8% (0.6%, 1.0%)	21.9% (-8.3%, 80.3%)
Egypt	3740.1 (974.2, 6448.5)	13.8 (3.6, 24.0)	8809.7 (2660.9, 16239.4)	14.9 (4.3, 27.3)	0.5% (0.4%, 0.6%)	8.1% (-19.0%, 49.6%)	114932.4 (32380.5, 195796.8)	346.2 (97.9, 592.3)	276783.7 (94438.3, 496918.1)	386.3 (128.2, 691.7)	0.7% (0.5%, 0.8%)	11.6% (-17.4%, 63.2%)
El Salvador	109.8 (39.8, 178.4)	3.7 (1.4, 5.9)	238.1 (87.8, 403.6)	3.8 (1.4, 6.5)	0.1% (-0.1%, 0.2%)	4.7% (-28.2%, 57.3%)	3279.1 (1221.6, 5253.1)	100.8 (39.1, 161.2)	6477.3 (2559.0, 10552.9)	109.4 (43.2, 178.5)	0.2% (0.0%, 0.3%)	8.5% (-27.5%, 68.9%)
Equatorial Guinea	21.3 (8.3, 35.7)	11.1 (4.4, 18.6)	44.7 (21.6, 72.3)	10.6 (5.2, 16.8)	0.0% (-0.1%, 0.1%)	-4.6% (-36.9%, 61.5%)	679.3 (277.8, 1133.2)	305.4 (125.8, 501.3)	1434.7 (756.7, 2322.2)	263.4 (136.3, 416.7)	-0.3% (-0.5%, -0.2%)	-13.8% (-42.8%, 46.7%)
Eritrea	67.1 (23.9, 116.8)	6.7 (2.5, 11.2)	172.3 (72.4, 274.3)	6.9 (2.9, 11.0)	0.0% (-0.1%, 0.1%)	3.4% (-27.5%, 51.8%)	2386.2 (862.2, 4119.6)	187.5 (70.2, 318.0)	5874.5 (2447.7, 9481.4)	179.7 (75.6, 284.5)	-0.3% (-0.4%, -0.2%)	-4.2% (-33.0%, 41.7%)
Estonia	530.5 (225.7, 854.9)	27.2 (11.3, 44.1)	274.1 (99.5, 493.3)	9.6 (3.6, 17.1)	-4.5% (-4.9%, -4.2%)	-64.8% (-74.3%, -53.0%)	12215.1 (5837.3, 18675.4)	614.6 (294.7, 941.2)	5499.0 (2618.6, 8990.0)	229.1 (115.0, 364.7)	-4.4% (-4.7%, -4.0%)	-62.7% (-70.9%, -52.2%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Eswatini	54.1 (32.0, 78.3)	20.2 (11.9, 29.1)	102.7 (55.0, 161.6)	20.0 (10.9, 31.1)	0.3% (-0.1%, 0.7%)	-1.2% (-28.9%, 36.4%)	1609.0 (968.8, 2310.2)	3098.5 (1700.7, 4881.7)	0.3% (-0.1%, 0.8%)	-1.8% (-29.6%, 36.6%)
Ethiopia	1293.9 (479.1, 2125.5)	6.6 (2.7, 10.5)	1696.4 (731.8, 2744.0)	4.5 (2.0, 7.2)	-1.5% (-1.6%, -1.3%)	-31.7% (-53.7%, -5.3%)	42667.4 (16541.1, 70218.5)	50438.7 (21794.3, 80803.2)	-2.0% (-2.2%, -1.8%)	-40.0% (-58.9%, -17.7%)
Fiji	137.2 (75.4, 207.8)	37.9 (21.2, 57.5)	251.8 (137.5, 379.3)	36.5 (20.0, 54.6)	-0.7% (-1.0%, -0.4%)	-3.6% (-27.9%, 31.2%)	4822.2 (2783.4, 7172.3)	8177.6 (4638.0, 11960.8)	-0.8% (-1.0%, -0.6%)	-7.3% (-30.8%, 24.8%)
Finland	1535.5 (757.2, 2331.5)	22.1 (10.9, 33.4)	1245.3 (576.6, 1955.6)	9.2 (4.5, 14.2)	-3.1% (-3.3%, -2.9%)	-58.2% (-64.2%, -52.5%)	36414.8 (20448.6, 52323.4)	25512.0 (15122.3, 35764.9)	-2.8% (-3.1%, -2.5%)	-55.7% (-61.3%, -45.8%)
France	15396.5 (10691.7, 20158.7)	18.3 (12.7, 23.8)	13049.2 (8832.1, 17611.6)	8.2 (5.8, 11.0)	-2.9% (-3.0%, -2.8%)	-54.9% (-60.7%, -49.2%)	318078.1 (230060.9, 403917.0)	248486.6 (183713.1, 313508.3)	-2.5% (-2.6%, -2.4%)	-49.6% (-54.5%, -44.3%)
Gabon	166.4 (114.1, 220.9)	31.2 (21.1, 41.6)	194.4 (117.6, 281.8)	20.5 (12.6, 29.6)	-1.6% (-1.6%, -1.5%)	-34.3% (-50.2%, -16.5%)	4956.1 (3552.5, 6490.2)	6000.1 (3826.3, 8433.6)	-1.7% (-1.8%, -1.7%)	-37.3% (-52.9%, -19.6%)
Gambia	15.4 (5.5, 26.9)	4.9 (1.8, 8.3)	41.7 (15.2, 68.4)	4.8 (1.9, 7.9)	0.0% (-0.2%, 0.2%)	-2.0% (-27.4%, 30.2%)	477.2 (184.1, 825.1)	1196.2 (469.1, 1992.2)	-0.1% (-0.3%, 0.1%)	-4.1% (-30.9%, 28.6%)
Georgia	1449.2 (506.8, 2355.2)	26.1 (9.0, 42.5)	912.7 (372.1, 1455.0)	14.8 (5.9, 23.4)	-2.1% (-2.3%, -1.8%)	-43.4% (-54.0%, -24.7%)	37009.8 (14031.0, 59424.3)	20678.1 (9387.4, 32027.9)	-1.9% (-2.1%, -1.7%)	-39.1% (-50.5%, -18.4%)
Germany	3231.6 (18225.3, 46147.9)	25.5 (14.4, 36.3)	21355.3 (11881.7, 31202.5)	10.2 (5.9, 14.7)	-3.3% (-3.7%, -3.0%)	-59.8% (-64.6%, -54.1%)	706852.8 (443225.8, 966575.1)	452267.2 (296609.3, 607356.3)	-2.9% (-3.3%, -2.5%)	-54.6% (-60.2%, -46.5%)
Ghana	303.5 (125.1, 495.1)	5.3 (2.3, 8.6)	894.4 (402.7, 1416.7)	6.2 (2.9, 9.6)	0.9% (0.8%, 1.1%)	16.2% (-9.8%, 50.7%)	9697.8 (4030.0, 15640.0)	27830.4 (12975.5, 43717.6)	0.9% (0.7%, 1.0%)	14.1% (-12.8%, 49.6%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Greece	3162.5 (1941.4, 4369.6)	22.2 (13.7, 30.8)	3758.9 (2284.4, 5197.1)	14.2 (8.8, 19.5)	-1.9% (-2.2%, -1.6%)	-36.0% (-44.3%, -26.2%)	66339.0 (42610.8, 89204.2)	462.6 (297.1, 620.7)	73253.1 (49149.8, 97350.5)	359.5 (240.3, 472.0)	-1.1% (-1.3%, -0.9%)	-22.3% (-29.6%, -11.7%)
Greenland	10.7 (7.0, 15.1)	34.1 (22.0, 47.8)	11.6 (7.5, 16.5)	18.4 (12.0, 26.0)	-2.6% (-2.8%, -2.4%)	-46.0% (-58.3%, -29.8%)	339.9 (222.8, 470.0)	845.5 (565.9, 1167.1)	338.7 (229.1, 467.7)	476.5 (327.0, 651.7)	-2.3% (-2.5%, -2.2%)	-43.6% (-56.1%, -27.0%)
Grenada	6.1 (2.8, 9.3)	8.1 (3.7, 12.5)	7.6 (3.8, 11.5)	7.3 (3.6, 10.9)	-0.3% (-0.5%, -0.2%)	-10.4% (-26.4%, 14.6%)	137.1 (64.7, 208.7)	203.0 (95.5, 309.0)	222.7 (112.1, 331.7)	194.7 (96.9, 288.7)	0.0% (-0.2%, 0.1%)	-4.1% (-23.6%, 27.3%)
Guam	12.4 (6.3, 19.0)	18.7 (9.4, 28.5)	27.3 (11.8, 44.4)	14.5 (6.2, 23.6)	-1.0% (-1.3%, -0.7%)	-22.3% (-41.8%, -3.0%)	423.6 (232.8, 615.3)	482.0 (264.2, 711.7)	887.3 (465.3, 1326.9)	471.8 (248.2, 705.5)	-0.1% (-0.3%, 0.1%)	-2.1% (-21.5%, 20.5%)
Guatemala	132.1 (43.4, 216.7)	4.1 (1.4, 6.6)	459.3 (184.7, 751.6)	4.5 (1.8, 7.4)	0.0% (-0.2%, 0.2%)	11.1% (-23.4%, 97.7%)	4369.7 (1552.1, 7083.8)	104.3 (38.6, 168.1)	14590.9 (6119.0, 23139.0)	122.1 (51.5, 194.9)	0.2% (0.1%, 0.4%)	17.1% (-24.8%, 113.8%)
Guinea	106.2 (43.8, 172.4)	3.5 (1.5, 5.7)	298.3 (119.4, 492.9)	5.7 (2.3, 9.3)	2.2% (2.0%, 2.4%)	61.2% (21.1%, 113.3%)	2934.0 (1226.8, 4805.0)	85.0 (35.7, 137.9)	8863.4 (3739.1, 14644.3)	145.6 (63.5, 238.2)	2.5% (2.2%, 2.7%)	71.3% (27.5%, 133.9%)
Guinea-Bissau	47.6 (18.2, 78.3)	12.1 (4.7, 19.8)	85.9 (35.0, 141.9)	12.2 (5.1, 19.7)	0.2% (0.1%, 0.3%)	1.1% (-23.6%, 34.9%)	1531.5 (604.9, 2479.9)	329.3 (132.1, 534.1)	2908.7 (1230.9, 4757.0)	328.9 (140.8, 534.7)	0.2% (0.1%, 0.2%)	-0.1% (-26.2%, 35.8%)
Guyana	36.2 (15.3, 58.0)	9.8 (4.2, 15.5)	39.8 (17.7, 66.0)	6.7 (3.0, 11.0)	-1.5% (-1.7%, -1.3%)	-31.2% (-49.2%, -7.7%)	1100.7 (448.3, 1758.4)	258.3 (108.1, 412.1)	1215.5 (525.4, 2009.3)	179.7 (79.0, 294.4)	-1.5% (-1.6%, -1.3%)	-30.4% (-49.8%, -5.1%)
Haiti	362.0 (143.1, 585.2)	11.6 (4.8, 18.6)	643.0 (265.4, 1086.9)	9.7 (4.0, 16.3)	-0.4% (-0.5%, -0.3%)	-16.2% (-36.0%, 11.2%)	11381.3 (4653.5, 18329.5)	309.7 (126.9, 497.5)	20773.8 (8792.4, 34910.1)	259.1 (109.9, 434.4)	-0.4% (-0.5%, -0.3%)	-16.3% (-36.2%, 11.3%)
Honduras	106.5 (38.6, 172.9)	5.2 (1.9, 8.5)	386.6 (154.9, 639.6)	7.0 (2.9, 11.6)	1.1% (0.9%, 1.3%)	35.3% (10.5%, 78.2%)	3574.1 (1417.5, 5626.7)	148.3 (60.5, 233.6)	11562.7 (5183.1, 18777.5)	179.7 (79.1, 290.8)	0.7% (0.5%, 0.8%)	21.2% (-4.0%, 60.5%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %	Percentage change in age-standardized DALY rates, 1990-2019
Hungary	3824.3 (1944.7, 5783.1)	28.0 (14.2, 42.3)	2768.0 (1223.9, 4526.7)	14.1 (6.3, 22.8)	-2.5% (-2.6%, -2.3%)	-49.5% (-61.0%, -38.9%)	711.9 (404.7, 1034.0)	63106.7 (35096.7, 94737.0)	360.5 (204.4, 540.1)	-2.5% (-2.6%, -2.3%)	-49.4% (-58.0%, -39.8%)
Iceland	67.4 (37.1, 95.3)	23.1 (12.8, 32.5)	53.9 (29.7, 79.2)	8.8 (4.9, 12.7)	-3.7% (-3.8%, -3.5%)	-62.1% (-67.8%, -55.9%)	1450.1 (877.6, 1980.1)	1198.1 (791.0, 1597.1)	229.7 (154.7, 301.8)	-3.1% (-3.3%, -2.9%)	-56.1% (-62.0%, -47.0%)
India	10627.8 (4768.7, 16942.6)	2.8 (1.3, 4.4)	24956.1 (10901.5, 39632.1)	2.4 (1.1, 3.8)	-0.6% (-0.8%, -0.5%)	-13.4% (-29.0%, 3.2%)	324155.1 (147431.4, 515009.0)	66.0 (30.4, 104.3)	707766.0 (304974.0, 1110707.9)	-0.4% (-0.6%, -0.3%)	-9.5% (-25.3%, 7.2%)
Indonesia	4315.7 (1832.5, 6943.9)	4.5 (2.0, 7.2)	11613.1 (5363.0, 18184.2)	5.8 (2.8, 9.0)	1.0% (0.8%, 1.1%)	29.0% (3.1%, 61.1%)	145369.5 (61580.1, 232258.3)	124.7 (53.9, 198.9)	362443.4 (166122.1, 566800.6)	0.7% (0.5%, 0.9%)	20.8% (-3.3%, 51.0%)
Iran (Islamic Republic of)	2793.3 (870.4, 4784.3)	12.4 (4.0, 21.0)	4420.9 (1576.6, 7220.8)	6.6 (2.3, 10.8)	-2.7% (-2.9%, -2.4%)	-46.8% (-54.4%, -32.1%)	86161.0 (30071.0, 143477.5)	299.9 (103.5, 497.3)	125646.6 (51996.6, 196091.5)	-2.6% (-2.8%, -2.4%)	-46.3% (-55.3%, -23.4%)
Iraq	782.9 (287.2, 1303.5)	10.4 (3.9, 17.2)	1319.7 (516.9, 2242.1)	6.4 (2.5, 10.7)	-1.6% (-1.9%, -1.2%)	-38.6% (-52.9%, -20.2%)	23162.9 (8970.4, 38322.5)	270.6 (103.4, 446.1)	40320.6 (16788.9, 68149.3)	-1.8% (-2.1%, -1.4%)	-41.8% (-56.2%, -22.5%)
Ireland	1178.6 (654.1, 1700.4)	30.2 (16.7, 43.5)	1002.0 (647.3, 1371.8)	13.2 (8.5, 18.0)	-3.3% (-3.5%, -3.1%)	-56.5% (-62.5%, -46.0%)	25921.0 (14941.4, 36466.2)	663.2 (384.5, 931.4)	22494.8 (16138.4, 28655.0)	-3.0% (-3.1%, -2.8%)	-52.7% (-59.6%, -39.0%)
Israel	502.0 (195.6, 812.2)	11.2 (4.4, 18.1)	725.1 (418.8, 1043.8)	5.9 (3.4, 8.4)	-2.9% (-3.2%, -2.7%)	-47.2% (-58.9%, -12.8%)	11177.2 (4798.4, 17542.8)	239.1 (102.5, 376.4)	16320.5 (932.1, 2199.0)	-2.3% (-2.5%, -2.1%)	-38.6% (-53.4%, 3.3%)
Italy	15838.8 (10422.1, 21328.2)	18.4 (12.1, 24.8)	14433.9 (8897.5, 20238.3)	8.6 (5.5, 11.8)	-2.9% (-3.0%, -2.8%)	-53.5% (-59.3%, -47.6%)	347122.5 (243131.8, 450894.7)	414.8 (290.1, 537.5)	279409.1 (195862.2, 364556.4)	-2.5% (-2.6%, -2.4%)	-47.9% (-53.4%, -40.6%)
Jamaica	142.1 (74.7, 205.4)	8.0 (4.1, 11.6)	209.4 (107.4, 320.7)	6.7 (3.4, 10.2)	-1.0% (-1.3%, -0.7%)	-16.4% (-35.5%, 6.7%)	3467.7 (1820.5, 4988.7)	199.6 (104.8, 287.9)	5325.2 (2750.8, 8170.4)	-0.8% (-1.1%, -0.5%)	-11.1% (-30.8%, 12.1%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Japan	9579.5 (4856.1, 14150.7)	6.2 (3.1, 9.1)	11136.1 (5650.9, 17262.0)	2.8 (1.4, 4.3)	-2.9% (-3.1%, -2.8%)	-54.2% (-61.1%, -44.7%)	242329.3 (132432.7, 346313.8)	147.0 (80.5, 210.5)	249447.8 (146698.9, 357000.1)	93.2 (54.3, 131.0)	-1.8% (-2.0%, -1.7%)	-36.6% (-43.6%, -26.3%)
Jordan	152.1 (63.3, 245.1)	12.9 (5.3, 20.5)	390.9 (164.2, 628.6)	7.0 (3.0, 11.2)	-2.4% (-2.6%, -2.2%)	-45.3% (-55.6%, -32.2%)	4719.7 (2091.1, 7426.0)	314.7 (140.1, 492.6)	13019.1 (5904.3, 20189.9)	178.7 (81.6, 277.5)	-2.3% (-2.5%, -2.1%)	-43.2% (-53.9%, -29.7%)
Kazakhstan	4712.2 (2795.8, 6595.7)	39.7 (23.0, 56.2)	5319.4 (3334.6, 7472.1)	35.1 (21.4, 49.5)	-0.9% (-1.2%, -0.6%)	-11.5% (-24.2%, 4.6%)	134670.7 (86938.7, 180370.9)	1015.9 (644.4, 1366.1)	149795.8 (103183.5, 201199.6)	844.5 (573.1, 1136.4)	-1.1% (-1.5%, -0.8%)	-16.9% (-28.5%, -1.6%)
Kenya	497.4 (225.8, 772.2)	6.6 (3.1, 10.2)	1463.6 (676.0, 2283.9)	7.3 (3.4, 11.3)	0.6% (0.5%, 0.8%)	11.0% (-8.1%, 31.6%)	15188.3 (7324.4, 23073.0)	166.7 (80.3, 253.7)	47145.0 (22686.1, 72189.9)	186.1 (91.1, 282.3)	0.7% (0.4%, 0.9%)	11.6% (-7.4%, 33.5%)
Kiribati	9.9 (4.1, 15.7)	24.5 (10.5, 38.4)	17.1 (7.3, 27.1)	23.4 (10.5, 36.4)	-0.3% (-0.4%, -0.2%)	-4.3% (-26.3%, 25.8%)	369.4 (147.9, 581.6)	787.4 (323.4, 1235.4)	640.1 (276.3, 997.4)	730.0 (329.6, 1131.1)	-0.4% (-0.6%, -0.3%)	-7.3% (-28.9%, 21.6%)
Kuwait	88.5 (34.1, 147.6)	14.3 (5.6, 23.6)	248.4 (106.6, 413.8)	9.4 (4.3, 15.3)	-1.3% (-1.8%, -0.7%)	-34.8% (-46.2%, -15.2%)	3471.4 (1599.1, 5435.2)	394.8 (178.7, 617.9)	10714.3 (5523.4, 16381.0)	290.7 (153.6, 441.5)	-1.0% (-1.5%, -0.5%)	-26.4% (-39.3%, -5.3%)
Kyrgyzstan	941.0 (558.8, 1312.6)	31.6 (18.6, 44.4)	964.5 (416.1, 1554.9)	23.4 (9.5, 38.6)	-1.2% (-1.6%, -0.9%)	-25.9% (-52.5%, -6.8%)	26310.2 (16892.4, 35508.5)	840.3 (537.1, 1136.0)	26140.0 (13728.1, 39700.8)	536.1 (266.2, 826.7)	-2.0% (-2.3%, -1.6%)	-36.2% (-54.3%, -21.7%)
Lao People's Democratic Republic	205.6 (77.6, 334.1)	10.4 (4.1, 16.9)	570.1 (246.5, 912.7)	13.7 (6.1, 21.5)	0.9% (0.7%, 1.1%)	31.8% (-0.8%, 84.8%)	6637.2 (2599.0, 10730.1)	286.1 (112.0, 461.9)	18675.9 (8466.8, 29698.4)	372.0 (174.1, 587.9)	0.9% (0.7%, 1.1%)	30.0% (-5.1%, 85.0%)
Latvia	1035.9 (493.2, 1598.4)	29.9 (14.1, 46.2)	675.0 (287.9, 1101.8)	15.9 (7.0, 25.9)	-2.6% (-2.8%, -2.3%)	-46.7% (-56.9%, -35.1%)	24009.7 (12679.8, 35722.6)	691.2 (363.9, 1029.1)	13214.5 (6464.4, 20526.4)	363.6 (185.8, 564.8)	-2.7% (-3.1%, -2.4%)	-47.4% (-56.4%, -37.0%)
Lebanon	315.2 (76.4, 576.0)	15.4 (3.9, 27.7)	603.6 (175.2, 1097.9)	11.8 (3.4, 21.3)	-0.6% (-0.8%, -0.5%)	-23.4% (-38.5%, 2.9%)	9047.7 (2564.0, 16013.0)	382.0 (109.1, 674.1)	16606.0 (6310.7, 27712.0)	315.7 (119.9, 527.6)	-0.3% (-0.5%, -0.2%)	-17.3% (-35.7%, 23.8%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %	Percentage change in age-standardized DALY rates, 1990-2019
Lesotho	98.7 (46.9, 151.8)	10.8 (5.1, 16.6)	195.8 (95.3, 304.8)	16.9 (8.5, 26.5)	2.4% (2.1%, 2.7%)	56.1% (12.8%, 109.0%)	267.5 (128.8, 403.9)	5835.2 (2806.7, 9113.6)	426.3 (209.3, 658.5)	2.5% (2.2%, 2.8%)	59.4% (15.8%, 112.5%)
Liberia	47.6 (18.7, 79.5)	4.7 (1.9, 7.8)	69.0 (26.8, 115.4)	3.7 (1.5, 6.0)	-0.5% (-0.8%, -0.3%)	-22.3% (-39.6%, 1.0%)	117.4 (47.8, 194.0)	2204.6 (922.6, 3679.3)	91.9 (39.4, 149.4)	-0.5% (-0.8%, -0.2%)	-21.7% (-39.9%, 3.8%)
Libya	216.8 (77.8, 377.2)	11.9 (4.3, 20.4)	403.7 (140.7, 711.9)	8.0 (2.7, 14.0)	-1.1% (-1.4%, -0.8%)	-32.8% (-51.9%, -8.1%)	320.6 (133.5, 529.6)	13816.6 (5623.6, 23338.6)	229.5 (92.8, 384.3)	-0.9% (-1.2%, -0.6%)	-28.4% (-48.0%, -2.8%)
Lithuania	1200.0 (502.3, 1941.3)	27.3 (11.3, 44.2)	1120.3 (454.8, 1877.4)	18.4 (7.7, 30.2)	-1.4% (-1.6%, -1.1%)	-32.9% (-45.1%, -16.1%)	650.4 (332.8, 980.3)	21847.7 (11149.2, 33747.5)	421.5 (226.4, 644.6)	-1.4% (-1.8%, -1.1%)	-35.2% (-46.4%, -19.9%)
Luxembourg	135.3 (86.5, 183.1)	25.7 (16.5, 34.7)	100.7 (63.4, 141.4)	9.3 (6.0, 13.0)	-3.9% (-4.0%, -3.7%)	-63.7% (-69.5%, -56.6%)	562.9 (380.7, 745.3)	2498.6 (1786.3, 3210.9)	259.5 (185.6, 330.5)	-3.1% (-3.2%, -2.9%)	-53.9% (-60.7%, -43.9%)
Madagascar	737.2 (287.4, 1124.0)	14.3 (5.8, 21.8)	1032.0 (376.2, 1801.4)	9.8 (3.8, 16.9)	-1.5% (-1.6%, -1.3%)	-31.4% (-49.7%, -9.9%)	406.4 (170.2, 611.4)	35755.8 (13437.6, 61042.9)	260.3 (105.2, 441.9)	-1.7% (-1.9%, -1.5%)	-35.9% (-53.6%, -15.2%)
Malawi	104.1 (44.7, 169.4)	3.0 (1.3, 4.8)	275.6 (117.6, 449.8)	4.0 (1.8, 6.4)	1.2% (1.1%, 1.4%)	34.6% (4.9%, 76.3%)	75.4 (33.2, 123.1)	8797.9 (3816.5, 14307.1)	106.1 (47.4, 170.3)	1.4% (1.2%, 1.6%)	40.7% (6.9%, 86.5%)
Malaysia	969.2 (381.4, 1504.4)	10.8 (4.3, 16.9)	1713.7 (630.9, 2986.4)	6.8 (2.6, 11.6)	-2.2% (-2.4%, -1.9%)	-37.2% (-54.8%, -17.1%)	293.5 (123.3, 444.3)	54079.5 (22812.0, 90006.3)	188.9 (80.3, 313.2)	-1.9% (-2.2%, -1.7%)	-35.6% (-52.2%, -17.2%)
Maldives	2.3 (1.1, 3.6)	3.1 (1.6, 4.7)	7.1 (2.8, 11.4)	2.5 (1.0, 3.9)	-1.2% (-1.4%, -1.1%)	-20.1% (-42.7%, 1.6%)	73.0 (36.0, 112.7)	228.4 (92.1, 366.3)	62.1 (26.0, 98.3)	-1.0% (-1.2%, -0.8%)	-14.9% (-38.0%, 8.6%)
Mali	413.8 (170.5, 631.6)	11.1 (4.6, 17.2)	922.2 (433.4, 1427.1)	11.9 (5.6, 18.5)	0.5% (0.4%, 0.6%)	6.9% (-13.6%, 39.4%)	280.7 (123.6, 422.4)	28107.1 (14513.5, 42345.4)	295.1 (152.2, 449.0)	0.4% (0.3%, 0.5%)	5.1% (-16.6%, 40.5%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Malta	79.0 (39.7, 120.4)	19.5 (9.8, 29.9)	81.9 (40.9, 127.3)	8.5 (4.2, 13.1)	-3.1% (-3.2%, -2.9%)	-56.6% (-62.3%, -49.1%)	433.6 (240.9, 634.2)	1787.4 (1057.2, 2526.6)	214.8 (129.5, 299.7)	-2.6% (-2.7%, -2.5%)	-50.5% (-57.0%, -39.8%)
Marshall Islands	4.0 (1.7, 6.2)	24.3 (10.4, 37.9)	8.7 (3.7, 14.2)	25.1 (11.0, 40.3)	0.2% (0.1%, 0.3%)	3.5% (-20.1%, 38.5%)	711.6 (323.4, 1087.8)	341.8 (158.4, 537.6)	781.0 (363.4, 1216.2)	0.3% (0.2%, 0.4%)	9.8% (-14.9%, 47.1%)
Mauritania	139.5 (63.7, 211.7)	14.8 (6.7, 22.4)	188.9 (92.7, 294.0)	9.9 (4.8, 15.3)	-1.2% (-1.3%, -1.1%)	-32.8% (-47.1%, -14.8%)	380.6 (182.8, 566.9)	5323.2 (2862.2, 8194.0)	240.5 (128.0, 368.7)	-1.4% (-1.5%, -1.3%)	-36.8% (-51.9%, -18.1%)
Mauritius	100.3 (39.3, 159.0)	14.0 (5.5, 22.1)	151.8 (70.0, 236.1)	9.0 (4.1, 14.0)	-2.0% (-2.2%, -1.8%)	-35.4% (-55.3%, 11.2%)	385.1 (162.7, 602.0)	4498.0 (2193.2, 6970.1)	257.4 (125.3, 395.3)	-1.9% (-2.1%, -1.6%)	-33.2% (-54.4%, 10.7%)
Mexico	5345.3 (3182.1, 7371.6)	13.5 (7.8, 18.9)	14055.9 (8150.9, 20279.4)	12.4 (7.1, 18.1)	-0.4% (-0.5%, -0.2%)	-7.6% (-20.4%, 8.6%)	369.2 (232.2, 494.9)	44440.3 (28727.7, 613669.6)	366.0 (235.1, 506.4)	-0.1% (-0.2%, 0.0%)	-0.9% (-12.2%, 13.3%)
Micronesia (Federated States of)	12.2 (5.2, 20.0)	26.1 (11.5, 42.4)	19.4 (8.6, 32.3)	28.0 (13.0, 45.7)	0.2% (0.2%, 0.2%)	7.2% (-24.5%, 50.9%)	773.5 (331.1, 1246.5)	676.3 (303.6, 1124.4)	813.9 (377.7, 1329.8)	0.2% (0.1%, 0.2%)	5.2% (-28.2%, 50.9%)
Monaco	17.1 (10.6, 24.8)	22.6 (13.9, 32.6)	14.5 (9.3, 20.4)	13.5 (8.8, 18.7)	-1.9% (-2.1%, -1.6%)	-40.3% (-55.2%, -20.5%)	485.5 (312.5, 674.8)	275.3 (188.9, 367.0)	330.4 (226.9, 437.4)	-1.4% (-1.6%, -1.1%)	-32.0% (-48.0%, -8.3%)
Mongolia	816.7 (529.9, 1117.1)	84.6 (54.1, 116.7)	1505.0 (997.6, 2061.5)	73.7 (47.8, 100.0)	-0.9% (-1.3%, -0.5%)	-12.8% (-31.1%, 12.4%)	2068.9 (1378.4, 2804.7)	46937.6 (31795.0, 63929.8)	1730.6 (1168.2, 2339.6)	-1.1% (-1.5%, -0.7%)	-16.4% (-35.6%, 10.5%)
Montenegro	146.2 (78.5, 209.2)	25.1 (13.4, 36.0)	250.6 (144.6, 362.7)	27.0 (15.5, 39.3)	0.7% (0.5%, 0.8%)	7.4% (-10.8%, 32.5%)	590.9 (349.3, 823.4)	5795.5 (3664.3, 8108.1)	613.0 (388.9, 860.7)	0.4% (0.3%, 0.6%)	3.7% (-12.6%, 27.5%)
Morocco	1495.2 (453.6, 2548.4)	11.8 (3.7, 19.9)	3614.2 (1197.2, 6185.3)	12.7 (4.2, 21.8)	0.3% (0.1%, 0.4%)	8.0% (-16.8%, 43.3%)	296.6 (96.8, 496.2)	104062.4 (39178.3, 175879.7)	315.7 (119.8, 528.7)	0.2% (0.1%, 0.4%)	6.4% (-18.1%, 51.7%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Mozambique	188.4 (78.8, 308.3)	3.5 (1.6, 5.6)	558.8 (234.3, 922.6)	5.4 (2.4, 8.8)	2.0% (1.8%, 2.1%)	56.5% (19.8%, 107.5%)	86.4 (37.7, 139.6)	17728.9 (7553.0, 29440.9)	141.3 (61.4, 232.5)	2.1% (1.9%, 2.3%)	63.5% (23.1%, 117.9%)
Myanmar	1438.4 (599.1, 2397.1)	6.4 (2.8, 10.7)	4891.1 (2248.7, 7412.7)	11.0 (5.2, 16.5)	2.4% (2.2%, 2.7%)	71.5% (21.8%, 158.4%)	175.5 (73.8, 292.1)	149299.9 (69733.4, 227387.7)	298.3 (143.4, 452.1)	2.4% (2.2%, 2.7%)	69.9% (15.0%, 168.9%)
Namibia	126.8 (72.0, 182.8)	19.0 (10.8, 27.5)	195.3 (106.2, 299.6)	15.2 (8.3, 23.0)	-1.0% (-1.2%, -0.7%)	-20.1% (-39.1%, 4.9%)	472.7 (274.8, 675.4)	5383.2 (2978.2, 8242.8)	366.2 (205.6, 553.2)	-1.1% (-1.3%, -0.8%)	-22.5% (-41.8%, 3.7%)
Nauru	1.6 (0.8, 2.5)	38.6 (19.0, 58.7)	1.7 (0.8, 2.7)	36.6 (18.0, 57.8)	-0.3% (-0.4%, -0.2%)	-4.9% (-25.4%, 17.7%)	1134.7 (567.1, 1738.1)	69.1 (33.7, 107.2)	1085.1 (548.8, 1664.7)	-0.3% (-0.4%, -0.1%)	-4.4% (-24.8%, 19.5%)
Nepal	617.3 (196.2, 1050.4)	6.7 (2.3, 11.3)	1371.7 (494.4, 2299.0)	6.7 (2.5, 11.1)	0.1% (-0.2%, 0.4%)	-0.4% (-28.1%, 32.4%)	185.7 (65.2, 310.1)	40905.8 (16232.5, 66745.8)	174.7 (70.2, 284.5)	-0.1% (-0.4%, 0.2%)	-5.9% (-30.8%, 26.4%)
Netherlands	3570.6 (2060.2, 5145.6)	18.0 (10.5, 26.0)	3152.5 (2059.0, 4279.2)	8.9 (5.9, 12.1)	-3.0% (-3.2%, -2.7%)	-50.7% (-58.4%, -37.5%)	425.7 (264.2, 592.7)	69653.0 (50589.9, 88263.4)	225.9 (165.7, 283.3)	-2.7% (-2.9%, -2.5%)	-46.9% (-55.2%, -32.2%)
New Zealand	1184.5 (725.0, 1614.9)	31.0 (19.0, 42.2)	1117.3 (734.2, 1506.9)	13.6 (9.0, 18.3)	-3.2% (-3.4%, -3.0%)	-56.2% (-61.0%, -49.9%)	714.0 (467.6, 944.4)	23189.5 (16739.7, 29609.0)	321.6 (233.6, 408.0)	-3.1% (-3.3%, -2.8%)	-55.0% (-59.5%, -47.2%)
Nicaragua	67.1 (28.3, 103.1)	4.6 (1.9, 7.1)	175.9 (69.7, 281.6)	4.7 (1.8, 7.5)	-0.1% (-0.2%, 0.1%)	1.5% (-24.5%, 26.3%)	122.0 (55.2, 184.0)	4866.4 (2038.5, 7660.3)	107.2 (44.0, 168.5)	-0.5% (-0.7%, -0.3%)	-12.1% (-34.9%, 11.4%)
Niger	311.8 (129.9, 495.6)	12.1 (5.0, 19.4)	776.5 (343.9, 1255.4)	11.2 (4.9, 18.0)	-0.2% (-0.3%, -0.1%)	-7.2% (-25.3%, 17.9%)	304.4 (132.5, 480.1)	24159.1 (11335.0, 38208.0)	276.6 (132.0, 439.5)	-0.3% (-0.4%, -0.2%)	-9.2% (-27.7%, 17.2%)
Nigeria	2051.0 (789.4, 3565.2)	5.2 (2.1, 8.8)	3783.8 (1634.5, 6126.5)	4.9 (2.2, 7.8)	-0.2% (-0.3%, -0.1%)	-5.2% (-32.2%, 29.3%)	122.3 (48.9, 210.5)	111165.5 (49397.2, 178561.0)	115.8 (52.3, 184.4)	-0.2% (-0.3%, -0.1%)	-5.3% (-32.8%, 30.7%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Niue	0.5 (0.2, 0.8)	22.8 (11.3, 35.2)	0.5 (0.2, 0.7)	22.1 (10.7, 33.2)	-0.3% (-0.3%, -0.2%)	-3.1% (-26.8%, 29.2%)	13.6 (7.1, 20.8)	653.5 (338.2, 998.8)	13.7 (7.3, 20.2)	651.1 (347.5, 965.3)	-0.2% (-0.3%, -0.1%)	-0.4% (-26.4%, 35.5%)
North Macedonia	321.9 (149.0, 490.7)	19.2 (8.9, 29.4)	495.5 (251.7, 789.2)	18.5 (9.1, 29.9)	-0.2% (-0.4%, 0.0%)	-3.7% (-22.7%, 22.1%)	8436.1 (4184.9, 12555.5)	445.5 (221.8, 664.2)	11854.6 (6448.2, 18196.0)	390.2 (213.2, 599.2)	-0.7% (-0.8%, -0.5%)	-12.4% (-30.1%, 11.7%)
Northern Mariana Islands	4.3 (2.5, 6.5)	22.2 (12.8, 32.3)	8.4 (4.4, 12.9)	17.4 (9.0, 26.1)	-0.8% (-0.9%, -0.8%)	-21.7% (-40.6%, 1.9%)	181.0 (105.7, 264.4)	640.7 (382.1, 916.7)	294.0 (164.0, 436.9)	513.4 (286.9, 748.6)	-0.8% (-0.8%, -0.7%)	-19.9% (-39.4%, 4.6%)
Norway	1138.3 (548.2, 1754.1)	16.3 (8.0, 25.1)	772.4 (465.0, 1120.1)	7.3 (4.4, 10.5)	-3.1% (-3.2%, -3.0%)	-55.3% (-62.2%, -40.0%)	23682.4 (12591.6, 35289.2)	382.0 (207.9, 563.4)	17674.9 (12304.8, 23583.9)	199.3 (141.7, 262.9)	-2.5% (-2.6%, -2.4%)	-47.8% (-57.3%, -27.6%)
Oman	151.6 (47.7, 274.8)	25.3 (7.9, 45.0)	273.1 (112.7, 452.8)	20.9 (8.3, 34.7)	-0.3% (-0.5%, -0.1%)	-17.2% (-34.6%, 19.0%)	4766.4 (1638.8, 8453.3)	602.5 (202.2, 1068.9)	9467.8 (4622.8, 14750.0)	455.1 (214.1, 719.4)	-0.7% (-1.1%, -0.4%)	-24.5% (-41.9%, 15.2%)
Pakistan	4895.4 (1867.6, 8015.0)	8.8 (3.4, 14.3)	12646.8 (5077.7, 20787.9)	11.6 (5.1, 18.8)	0.7% (0.5%, 0.9%)	31.9% (4.6%, 71.3%)	150399.9 (58233.8, 241110.6)	241.2 (94.1, 385.4)	432133.3 (175717.8, 707801.5)	325.7 (139.1, 521.8)	0.8% (0.5%, 1.0%)	35.0% (7.9%, 73.1%)
Palau	2.4 (1.1, 3.8)	24.0 (11.4, 39.0)	5.0 (2.4, 8.0)	24.2 (11.7, 38.5)	0.0% (0.0%, 0.1%)	0.6% (-26.6%, 36.7%)	80.2 (40.4, 127.0)	709.9 (355.4, 1115.9)	175.6 (88.4, 276.1)	739.9 (380.9, 1152.7)	0.2% (0.1%, 0.2%)	4.2% (-24.1%, 43.4%)
Palestine	90.7 (33.4, 151.2)	11.3 (4.2, 18.7)	158.8 (62.0, 257.8)	7.9 (3.2, 12.7)	-1.8% (-2.0%, -1.5%)	-29.8% (-46.7%, -4.3%)	2393.9 (908.6, 3977.4)	265.4 (100.8, 440.3)	4635.3 (1898.4, 7430.8)	183.4 (74.5, 290.9)	-1.8% (-2.1%, -1.6%)	-30.9% (-49.0%, -4.8%)
Panama	149.5 (74.4, 225.2)	10.3 (5.1, 15.6)	307.9 (169.2, 473.7)	7.3 (4.0, 11.2)	-1.1% (-1.4%, -0.9%)	-29.2% (-47.1%, -0.2%)	4168.9 (2343.0, 6007.4)	264.2 (148.5, 383.1)	9190.2 (5701.1, 13244.7)	220.1 (136.4, 317.5)	-0.5% (-0.8%, -0.3%)	-16.7% (-36.6%, 13.4%)
Papua New Guinea	277.0 (122.1, 442.5)	14.9 (6.7, 23.9)	782.9 (334.3, 1327.1)	16.1 (7.1, 26.7)	0.2% (0.2%, 0.3%)	8.1% (-19.1%, 41.5%)	10017.4 (4731.5, 15907.2)	439.8 (209.5, 693.9)	29321.4 (13395.0, 47685.2)	479.5 (216.8, 774.5)	0.3% (0.2%, 0.3%)	9.0% (-19.4%, 42.9%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %	Percentage change in age-standardized DALY rates, 1990-2019
Paraguay	547.4 (386.1, 715.8)	25.2 (17.8, 33.2)	1042.5 (672.3, 1480.3)	19.1 (12.3, 27.1)	-1.3% (-1.5%, -1.1%)	-24.3% (-43.0%, -1.0%)	656.1 (472.4, 833.6)	29664.8 (20355.6, 40480.0)	510.8 (350.3, 697.0)	-1.3% (-1.5%, -1.1%)	-22.1% (-39.9%, 0.7%)
Peru	519.8 (193.7, 838.2)	4.4 (1.7, 7.1)	875.9 (363.0, 1461.6)	2.7 (1.1, 4.4)	-1.6% (-2.0%, -1.3%)	-39.7% (-57.6%, -11.5%)	114.5 (44.9, 180.2)	25191.8 (12070.7, 39517.0)	76.1 (36.5, 119.4)	-1.3% (-1.7%, -0.9%)	-33.5% (-52.9%, -1.2%)
Philippines	1666.2 (812.6, 2554.8)	6.8 (3.3, 10.3)	10055.1 (4915.6, 15562.2)	13.2 (6.5, 20.4)	3.0% (2.4%, 3.5%)	94.4% (47.0%, 150.7%)	167.2 (85.1, 248.3)	333259.1 (168988.7, 508175.0)	376.8 (192.4, 573.6)	3.4% (2.8%, 4.1%)	125.4% (67.2%, 188.3%)
Poland	13125.4 (6747.9, 19688.5)	31.9 (16.3, 48.0)	11709.3 (6849.7, 17123.4)	16.5 (9.7, 24.0)	-2.5% (-2.7%, -2.3%)	-48.3% (-58.1%, -32.2%)	797.4 (456.2, 1135.6)	278493.1 (184787.5, 379034.8)	430.4 (289.3, 578.4)	-2.2% (-2.5%, -2.0%)	-46.0% (-56.0%, -28.9%)
Portugal	2982.8 (1920.8, 4043.4)	23.5 (15.2, 31.8)	3414.4 (2520.5, 4395.3)	13.0 (9.7, 16.5)	-2.7% (-3.1%, -2.4%)	-44.9% (-53.9%, -29.0%)	491.0 (332.9, 649.8)	72790.8 (56300.2, 89543.2)	339.1 (262.4, 414.6)	-1.9% (-2.3%, -1.6%)	-30.9% (-42.5%, -12.4%)
Puerto Rico	308.4 (123.4, 498.7)	8.8 (3.5, 14.3)	398.8 (185.0, 630.3)	5.3 (2.5, 8.5)	-2.1% (-2.3%, -1.9%)	-39.7% (-56.2%, -6.9%)	808.4 (3542.9, 12518.1)	10562.7 (5333.6, 16220.9)	171.3 (87.8, 262.1)	-1.2% (-1.4%, -1.1%)	-24.2% (-45.4%, 11.1%)
Qatar	21.0 (7.7, 35.4)	23.7 (8.6, 39.8)	77.7 (31.2, 134.9)	17.1 (6.7, 28.7)	-1.0% (-1.3%, -0.7%)	-27.9% (-46.2%, 3.2%)	519.3 (207.8, 844.6)	4203.9 (2178.8, 6496.9)	358.6 (171.3, 563.7)	-1.3% (-1.5%, -1.0%)	-31.0% (-50.6%, 2.6%)
Republic of Korea	3710.8 (1674.6, 5503.7)	14.7 (6.9, 22.0)	4918.2 (3213.4, 6699.8)	5.8 (3.7, 7.8)	-3.9% (-4.2%, -3.5%)	-60.9% (-69.2%, -38.3%)	344.2 (164.0, 502.7)	152230.5 (107878.6, 198196.0)	178.5 (127.2, 232.0)	-2.8% (-3.1%, -2.5%)	-48.1% (-61.1%, -13.7%)
Republic of Moldova	816.8 (282.6, 1323.6)	21.3 (7.2, 35.3)	695.7 (231.8, 1212.6)	12.1 (4.0, 21.0)	-2.2% (-2.5%, -2.0%)	-43.3% (-54.0%, -34.2%)	467.0 (186.2, 734.7)	15808.9 (6346.4, 25693.4)	280.4 (113.4, 454.6)	-2.0% (-2.2%, -1.7%)	-40.0% (-50.7%, -29.7%)
Romania	6231.3 (3008.1, 9451.5)	25.6 (12.0, 39.1)	8898.1 (5054.5, 13015.2)	23.7 (13.5, 34.5)	-0.7% (-0.9%, -0.4%)	-7.3% (-28.1%, 34.8%)	570.7 (303.5, 838.0)	197053.2 (125842.6, 274549.2)	582.2 (374.5, 803.4)	-0.4% (-0.6%, -0.1%)	2.0% (-21.9%, 44.8%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Russian Federation	65006.4 (38794.9, 90727.4)	39.3 (22.9, 55.3)	51879.1 (25366.6, 81222.8)	22.5 (10.9, 35.2)	-2.9% (-3.5%, -2.3%)	-42.6% (-56.0%, -31.6%)	1611880.4 (1008602.9, 2205146.3)	910.1 (565.3, 1247.0)	1160323.3 (617068.8, 1743716.6)	521.0 (280.2, 780.2)	-3.0% (-3.7%, -2.3%)	-42.8% (-54.4%, -31.3%)
Rwanda	137.4 (53.7, 231.8)	5.0 (2.1, 8.4)	221.4 (91.7, 369.1)	4.1 (1.8, 6.8)	-1.1% (-1.3%, -0.8%)	-17.4% (-38.3%, 13.2%)	4291.4 (1659.4, 7311.6)	131.8 (53.6, 223.1)	6728.1 (2877.8, 11195.1)	100.9 (44.1, 165.5)	-1.4% (-1.8%, -1.1%)	-23.4% (-44.5%, 7.0%)
Saint Kitts and Nevis	7.4 (3.7, 10.9)	21.2 (10.8, 31.5)	6.8 (3.6, 10.2)	11.4 (6.2, 17.0)	-2.5% (-2.7%, -2.3%)	-46.0% (-56.0%, -31.9%)	182.1 (92.1, 266.2)	528.8 (264.1, 774.1)	204.9 (109.7, 307.3)	294.2 (160.5, 435.9)	-2.6% (-2.9%, -2.4%)	-44.4% (-57.4%, -27.7%)
Saint Lucia	17.0 (10.1, 23.9)	20.8 (12.2, 29.3)	22.9 (13.5, 32.3)	11.0 (6.5, 15.5)	-3.1% (-3.5%, -2.7%)	-47.1% (-56.5%, -36.0%)	466.7 (293.3, 636.7)	531.7 (332.8, 724.5)	690.7 (420.7, 972.2)	318.5 (192.7, 448.3)	-2.5% (-2.8%, -2.2%)	-40.1% (-50.9%, -27.9%)
Saint Vincent and the Grenadines	6.9 (3.0, 10.4)	10.1 (4.4, 15.5)	12.6 (6.1, 18.9)	9.9 (4.8, 14.8)	-0.1% (-0.3%, 0.0%)	-2.4% (-17.9%, 22.8%)	177.2 (82.0, 264.3)	247.7 (114.6, 370.1)	349.5 (180.3, 521.8)	260.2 (133.6, 388.2)	0.1% (0.0%, 0.1%)	5.0% (-13.5%, 32.6%)
Samoa	19.0 (8.9, 30.5)	22.6 (10.7, 35.7)	31.4 (15.1, 50.0)	22.1 (11.1, 35.0)	0.0% (-0.1%, 0.1%)	-2.3% (-26.3%, 32.1%)	594.4 (293.9, 941.9)	630.3 (316.0, 995.7)	1016.2 (530.8, 1589.2)	640.7 (335.4, 996.8)	0.1% (0.0%, 0.2%)	1.6% (-24.8%, 38.9%)
San Marino	4.0 (2.6, 5.7)	12.6 (7.9, 17.8)	6.2 (3.6, 9.9)	8.5 (4.8, 13.6)	-1.3% (-1.4%, -1.2%)	-32.8% (-55.6%, -1.3%)	86.6 (59.0, 117.1)	273.5 (187.9, 366.8)	127.8 (80.9, 189.1)	216.6 (140.1, 323.6)	-0.7% (-0.8%, -0.6%)	-20.8% (-44.0%, 12.9%)
Sao Tome and Principe	1.3 (0.6, 2.1)	2.4 (1.2, 3.7)	2.8 (1.3, 4.5)	3.0 (1.5, 4.8)	0.9% (0.9%, 1.0%)	27.2% (1.8%, 55.2%)	35.6 (16.4, 56.0)	55.5 (26.2, 86.8)	81.9 (38.4, 131.7)	71.0 (34.2, 112.1)	0.9% (0.8%, 1.0%)	27.8% (-0.6%, 60.6%)
Saudi Arabia	641.3 (229.5, 1097.5)	11.4 (4.3, 19.3)	1615.9 (535.9, 2822.0)	8.8 (3.0, 15.0)	-0.9% (-1.0%, -0.8%)	-22.9% (-41.8%, 2.2%)	20738.4 (7746.2, 35021.3)	290.4 (111.5, 483.4)	64167.9 (24516.3, 108919.6)	241.3 (91.8, 400.9)	-0.6% (-0.6%, -0.5%)	-16.9% (-37.5%, 10.0%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Senegal	207.9 (79.8, 330.0)	7.0 (2.8, 11.0)	444.8 (188.4, 713.6)	6.5 (2.8, 10.2)	0.0% (-0.2%, 0.1%)	-6.9% (-27.3%, 21.3%)	180.2 (76.9, 282.4)	13510.9 (6132.6, 21007.4)	166.0 (75.8, 256.3)	0.0% (-0.2%, 0.1%)	-7.9% (-28.9%, 19.6%)
Serbia	2248.1 (1112.3, 3399.3)	22.1 (10.7, 33.6)	2391.4 (1116.4, 3887.8)	16.5 (7.7, 26.5)	-1.1% (-1.4%, -0.9%)	-25.4% (-41.0%, -8.2%)	507.0 (265.9, 749.9)	51543.0 (27461.7, 78450.3)	351.0 (189.9, 531.9)	-1.5% (-1.7%, -1.2%)	-30.8% (-44.2%, -14.4%)
Seychelles	3.1 (1.3, 5.0)	5.6 (2.3, 9.0)	5.2 (2.3, 8.1)	5.0 (2.2, 7.8)	-0.6% (-0.7%, -0.5%)	-12.0% (-28.5%, 13.2%)	89.1 (37.2, 141.1)	173.9 (83.2, 265.0)	148.9 (72.3, 226.5)	-0.4% (-0.5%, -0.3%)	-5.7% (-25.8%, 30.8%)
Sierra Leone	50.9 (20.3, 86.0)	2.9 (1.2, 5.0)	118.3 (46.8, 203.9)	3.5 (1.5, 6.0)	1.1% (1.0%, 1.3%)	21.7% (-5.5%, 59.9%)	68.2 (26.9, 117.4)	3574.5 (1405.3, 6174.8)	87.5 (35.5, 148.1)	1.3% (1.2%, 1.5%)	28.3% (-3.8%, 73.1%)
Singapore	283.1 (140.8, 425.6)	13.8 (6.8, 20.9)	392.6 (198.2, 606.9)	5.2 (2.6, 8.1)	-3.6% (-3.7%, -3.5%)	-62.4% (-67.8%, -52.7%)	364.3 (198.1, 522.9)	14059.1 (8762.5, 19033.8)	174.3 (108.0, 235.8)	-2.7% (-2.7%, -2.6%)	-52.1% (-59.8%, -37.1%)
Slovakia	1476.8 (607.1, 2391.9)	25.9 (10.5, 42.1)	1365.3 (593.9, 2308.8)	15.2 (6.6, 25.6)	-1.9% (-2.0%, -1.7%)	-41.3% (-53.3%, -24.1%)	619.7 (288.7, 963.8)	31938.1 (17138.2, 48772.7)	363.3 (196.7, 552.8)	-1.9% (-2.0%, -1.7%)	-41.4% (-53.2%, -21.8%)
Slovenia	478.3 (269.9, 728.1)	20.4 (11.5, 31.0)	392.2 (219.9, 593.2)	8.3 (4.7, 12.4)	-3.7% (-4.0%, -3.5%)	-59.5% (-71.9%, -43.5%)	507.7 (319.9, 732.0)	8880.0 (5699.4, 12495.8)	223.7 (142.9, 311.2)	-3.4% (-3.7%, -3.2%)	-55.9% (-67.5%, -40.5%)
Solomon Islands	32.1 (9.8, 56.0)	21.7 (7.0, 37.0)	73.4 (24.3, 124.3)	21.9 (7.8, 35.7)	0.2% (0.0%, 0.4%)	0.8% (-22.9%, 33.0%)	663.3 (351.3, 1139.2)	2717.6 (929.5, 4620.0)	657.3 (240.1, 1094.1)	0.1% (-0.1%, 0.4%)	-0.9% (-25.2%, 35.0%)
Somalia	452.4 (201.9, 709.7)	17.7 (8.0, 27.3)	819.6 (339.3, 1353.4)	13.0 (5.6, 21.3)	-1.0% (-1.0%, -0.9%)	-26.4% (-47.6%, 3.1%)	488.8 (232.3, 757.3)	28094.2 (12206.2, 45210.6)	346.1 (153.9, 556.8)	-1.2% (-1.2%, -1.1%)	-29.2% (-49.7%, -0.3%)
South Africa	2449.4 (1455.4, 3480.1)	11.8 (6.9, 17.0)	5520.3 (3511.8, 7527.6)	13.4 (8.5, 18.4)	0.7% (0.3%, 1.2%)	13.5% (-1.8%, 36.6%)	339.4 (210.1, 474.5)	163164.7 (109710.4, 217446.5)	346.8 (228.2, 461.9)	0.4% (0.0%, 0.8%)	2.2% (-11.6%, 23.1%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. DALY rates, 1990-2019	Percentage change in age-standardized DALY rates, 1990-2019
South Sudan	163.4 (65.2, 264.8)	7.3 (3.0, 11.6)	208.3 (84.8, 349.7)	6.0 (2.6, 9.9)	-0.6% (-0.7%, -0.4%)	-17.7% (-41.7%, 16.4%)	186.7 (77.4, 297.7)	6561.8 (2882.1, 10910.1)	152.4 (68.2, 249.2)	-0.6% (-0.8%, -0.5%)	-18.4% (-42.9%, 19.4%)
Spain	9194.3 (5997.9, 12387.5)	17.7 (11.5, 23.9)	8226.6 (5117.9, 11475.4)	7.4 (4.6, 10.2)	-3.5% (-3.7%, -3.3%)	-58.2% (-64.0%, -51.5%)	414.9 (289.8, 534.9)	183644.6 (127879.8, 238821.5)	211.6 (149.0, 271.9)	-2.9% (-3.1%, -2.7%)	-49.0% (-55.2%, -41.4%)
Sri Lanka	202.7 (93.9, 316.9)	2.2 (1.1, 3.4)	393.1 (184.2, 641.3)	1.8 (0.8, 2.9)	-0.4% (-0.5%, -0.2%)	-19.8% (-43.6%, 13.9%)	50.9 (23.1, 79.3)	10878.4 (4970.4, 17460.6)	43.6 (20.0, 70.2)	-0.4% (-0.5%, -0.2%)	-14.4% (-41.9%, 26.7%)
Sudan	1250.6 (361.6, 2217.4)	14.0 (4.3, 24.6)	1870.1 (591.3, 3423.0)	10.5 (3.4, 19.0)	-1.1% (-1.2%, -1.0%)	-25.5% (-43.6%, 3.5%)	366.0 (111.5, 639.4)	59237.3 (21482.0, 106612.4)	270.8 (97.0, 481.8)	-1.1% (-1.1%, -1.0%)	-26.0% (-45.5%, 9.5%)
Suriname	18.5 (7.5, 29.2)	7.2 (2.9, 11.3)	34.2 (15.7, 54.1)	5.8 (2.7, 9.1)	-0.8% (-1.2%, -0.4%)	-19.6% (-36.0%, 6.1%)	192.6 (81.8, 298.6)	1063.8 (503.0, 1650.6)	170.8 (80.9, 263.6)	-0.5% (-0.8%, -0.1%)	-11.3% (-31.2%, 19.8%)
Sweden	2436.8 (1084.0, 3878.1)	15.6 (7.2, 24.7)	2030.0 (1108.7, 3007.0)	8.5 (4.8, 12.5)	-2.3% (-2.4%, -2.2%)	-45.3% (-53.4%, -25.3%)	345.4 (183.7, 509.5)	40105.9 (25819.9, 54485.0)	213.8 (142.0, 285.8)	-1.8% (-1.9%, -1.7%)	-38.1% (-47.9%, -16.5%)
Switzerland	2088.0 (1269.7, 2908.3)	19.5 (11.9, 27.2)	1555.0 (893.3, 2288.6)	7.7 (4.6, 11.1)	-3.5% (-3.6%, -3.3%)	-60.7% (-66.3%, -54.4%)	438.0 (289.9, 586.1)	31749.3 (21737.2, 41944.7)	194.9 (136.5, 251.6)	-2.9% (-3.1%, -2.8%)	-55.5% (-60.6%, -47.8%)
Syrian Arab Republic	937.1 (270.7, 1639.0)	18.2 (5.3, 31.7)	1403.4 (383.1, 2635.9)	13.4 (3.6, 24.8)	-1.5% (-1.6%, -1.3%)	-26.3% (-48.7%, 0.2%)	476.9 (149.4, 823.7)	41250.7 (12805.4, 75108.1)	322.2 (101.2, 576.4)	-1.7% (-1.9%, -1.5%)	-32.4% (-51.3%, -7.6%)
Taiwan (Province of China)	2260.0 (1440.8, 3032.5)	15.8 (9.9, 21.5)	4453.3 (3030.1, 6230.2)	11.3 (7.7, 15.8)	-1.6% (-1.7%, -1.4%)	-28.3% (-46.7%, 3.2%)	404.8 (269.9, 534.6)	133405.5 (95609.8, 177809.5)	353.0 (253.9, 469.8)	-0.8% (-0.9%, -0.6%)	-12.8% (-32.1%, 18.5%)
Tajikistan	329.8 (88.5, 544.7)	11.9 (3.2, 19.7)	628.1 (190.1, 1061.3)	16.1 (4.8, 27.3)	1.4% (1.1%, 1.6%)	35.4% (6.2%, 70.2%)	304.1 (91.9, 494.2)	18314.1 (6250.1, 30511.7)	348.7 (117.1, 577.2)	0.7% (0.3%, 1.1%)	14.7% (-9.2%, 44.4%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Thailand	2056.9 (852.0, 3170.3)	6.1 (2.6, 9.4)	4364.8 (1997.6, 7093.1)	4.4 (2.0, 7.1)	-1.7% (-1.9%, -1.5%)	-28.4% (-48.3%, -0.6%)	66750.5 (28742.5, 100969.3)	165.3 (72.9, 248.8)	138733.5 (67624.2, 213457.0)	139.9 (68.1, 216.1)	-1.2% (-1.4%, -1.0%)	-15.4% (-37.5%, 16.2%)
Timor-Leste	15.9 (5.7, 26.4)	6.0 (2.4, 9.7)	65.1 (25.5, 108.5)	8.8 (3.5, 14.4)	1.3% (1.2%, 1.5%)	46.1% (9.1%, 90.2%)	553.2 (213.4, 919.8)	157.0 (64.8, 252.4)	1923.7 (797.6, 3142.5)	227.2 (95.9, 370.4)	1.3% (1.1%, 1.5%)	44.8% (5.2%, 89.4%)
Togo	51.4 (19.2, 84.4)	4.5 (1.8, 7.3)	145.5 (54.3, 244.6)	4.4 (1.8, 7.3)	0.1% (0.1%, 0.2%)	-1.7% (-21.1%, 24.5%)	1603.3 (615.4, 2642.4)	110.9 (43.6, 179.9)	4615.3 (1781.4, 7803.5)	108.9 (44.6, 180.4)	0.1% (0.1%, 0.2%)	-1.8% (-23.4%, 26.0%)
Tokelau	0.2 (0.1, 0.4)	19.1 (8.6, 30.2)	0.2 (0.1, 0.4)	18.6 (8.8, 29.3)	-0.1% (-0.2%, 0.0%)	-2.6% (-27.6%, 32.7%)	7.0 (3.3, 10.9)	540.1 (255.9, 845.5)	7.2 (3.6, 11.5)	541.0 (271.7, 856.3)	0.0% (-0.1%, 0.1%)	0.2% (-27.0%, 40.3%)
Tonga	7.0 (3.5, 10.6)	13.3 (6.7, 20.2)	10.8 (5.4, 16.8)	13.8 (7.0, 21.5)	0.2% (0.0%, 0.3%)	3.7% (-20.7%, 35.2%)	220.7 (113.6, 325.5)	373.2 (192.4, 552.5)	321.8 (168.4, 486.5)	396.1 (207.9, 597.8)	0.2% (0.1%, 0.3%)	6.1% (-18.6%, 39.5%)
Trinidad and Tobago	100.6 (43.2, 152.9)	12.7 (5.4, 19.3)	164.6 (71.5, 271.1)	9.0 (3.9, 14.8)	-1.3% (-1.5%, -1.1%)	-29.1% (-47.7%, -2.8%)	2864.1 (1262.3, 4349.8)	330.4 (146.2, 502.1)	4688.7 (2134.9, 7643.6)	252.9 (114.9, 411.6)	-1.0% (-1.2%, -0.8%)	-23.4% (-42.5%, 2.5%)
Tunisia	425.7 (133.3, 725.6)	9.8 (3.1, 16.7)	886.2 (292.7, 1616.0)	7.7 (2.5, 14.0)	-1.1% (-1.2%, -1.0%)	-21.8% (-42.8%, 6.9%)	12023.0 (4126.7, 19884.4)	230.0 (79.8, 380.0)	23932.9 (8981.4, 40908.6)	187.8 (70.2, 320.5)	-1.0% (-1.1%, -0.9%)	-18.3% (-39.3%, 17.5%)
Turkey	3681.3 (1216.2, 6271.1)	10.7 (3.6, 18.1)	5171.6 (2067.8, 8626.1)	6.1 (2.4, 10.2)	-1.8% (-2.2%, -1.4%)	-42.9% (-55.8%, -18.9%)	107578.1 (37805.0, 180465.0)	276.0 (97.0, 458.2)	137487.3 (62140.9, 222200.9)	153.0 (69.1, 246.0)	-2.0% (-2.4%, -1.6%)	-44.6% (-57.9%, -19.0%)
Turkmenistan	585.9 (268.0, 913.9)	33.0 (14.4, 52.5)	1769.1 (1047.1, 2569.5)	47.1 (26.6, 69.5)	1.2% (0.9%, 1.4%)	42.6% (7.1%, 125.5%)	16957.0 (8832.8, 25278.4)	826.5 (415.7, 1252.2)	54086.2 (35443.7, 75545.8)	1247.8 (801.1, 1760.0)	1.5% (1.2%, 1.8%)	51.0% (12.9%, 126.0%)
Tuvalu	1.5 (0.7, 2.4)	23.3 (10.4, 36.6)	2.2 (1.0, 3.5)	22.7 (10.2, 36.1)	-0.1% (-0.2%, -0.1%)	-2.4% (-30.8%, 38.3%)	50.1 (22.5, 77.5)	672.3 (305.6, 1040.2)	71.3 (33.5, 112.9)	665.9 (309.9, 1047.9)	-0.1% (-0.1%, 0.0%)	-1.0% (-29.1%, 40.1%)

Supplementary Table S1. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Uganda	322.6 (135.9, 513.0)	5.5 (2.4, 8.6)	810.0 (349.7, 1282.2)	6.2 (2.9, 9.7)	0.2% (-0.1%, 0.4%)	14.0% (-11.0%, 46.9%)	9694.7 (4113.8, 15278.2)	137.6 (60.2, 216.9)	26044.8 (12005.2, 41063.4)	160.7 (75.7, 248.6)	0.2% (-0.1%, 0.5%)	16.8% (-10.5%, 51.4%)
Ukraine	17300.2 (7818.8, 27258.6)	26.0 (11.5, 41.4)	17745.4 (5712.9, 31371.1)	23.8 (7.8, 42.0)	-0.9% (-1.1%, -0.6%)	-8.7% (-38.5%, 11.6%)	405550.3 (204159.6, 606938.9)	586.7 (297.7, 877.6)	398488.9 (154846.0, 671358.7)	562.3 (225.1, 941.2)	-0.7% (-1.0%, -0.4%)	-4.2% (-32.2%, 16.8%)
United Arab Emirates	149.7 (85.1, 227.0)	36.6 (20.4, 54.9)	550.9 (229.4, 974.9)	13.9 (6.5, 22.9)	-3.6% (-4.0%, -3.2%)	-62.1% (-75.5%, -50.0%)	6146.1 (3717.1, 9019.4)	893.9 (533.0, 1285.1)	26080.2 (12855.4, 43419.1)	366.9 (183.5, 593.5)	-3.4% (-3.6%, -3.1%)	-59.0% (-73.6%, -45.9%)
United Kingdom	16663.0 (8380.4, 25081.7)	18.6 (9.5, 28.0)	8935.4 (4725.1, 13529.0)	6.7 (3.6, 10.1)	-4.0% (-4.3%, -3.7%)	-63.9% (-68.4%, -56.4%)	363095.2 (198439.4, 529273.4)	435.5 (240.8, 630.7)	209441.4 (131191.4, 289288.5)	190.2 (120.4, 259.6)	-3.1% (-3.5%, -2.8%)	-56.3% (-62.7%, -43.6%)
United Republic of Tanzania	620.2 (253.4, 978.2)	6.1 (2.6, 9.7)	1199.8 (524.7, 1913.4)	5.4 (2.5, 8.5)	-0.5% (-0.7%, -0.2%)	-12.7% (-31.1%, 13.3%)	18563.4 (7647.9, 29346.8)	154.9 (65.7, 244.4)	35481.2 (15905.2, 56664.8)	131.0 (61.1, 206.0)	-0.6% (-0.9%, -0.4%)	-15.5% (-35.2%, 11.9%)
United States of America	59841.0 (31127.8, 88854.8)	18.7 (9.8, 27.6)	65652.5 (37013.5, 94390.8)	11.5 (6.6, 16.4)	-2.0% (-2.2%, -1.9%)	-38.5% (-44.3%, -27.1%)	1488945.0 (893537.8, 2072269.0)	493.5 (298.4, 681.8)	1753972.2 (1169791.2, 2319937.9)	346.5 (233.5, 455.3)	-1.3% (-1.4%, -1.2%)	-29.8% (-37.4%, -16.2%)
United States Virgin Islands	8.8 (3.6, 14.2)	11.4 (4.6, 18.6)	19.5 (8.4, 31.2)	11.3 (4.8, 18.0)	0.2% (0.0%, 0.4%)	-0.9% (-18.5%, 27.1%)	255.1 (111.3, 404.5)	279.9 (122.6, 444.1)	503.8 (236.6, 777.7)	292.0 (138.6, 450.6)	0.3% (0.2%, 0.5%)	4.3% (-16.7%, 36.5%)
Uruguay	1269.7 (897.0, 1643.4)	33.5 (23.6, 43.4)	965.5 (693.0, 1245.9)	16.7 (12.3, 21.3)	-2.7% (-2.9%, -2.5%)	-50.1% (-56.0%, -43.2%)	29260.6 (21336.6, 36635.2)	790.5 (579.6, 989.3)	20474.2 (15529.1, 25396.2)	410.4 (315.5, 507.7)	-2.6% (-2.8%, -2.4%)	-48.1% (-53.7%, -41.5%)
Uzbekistan	2464.8 (1027.1, 3940.4)	22.9 (9.2, 37.1)	6936.0 (3024.2, 11255.1)	45.7 (16.8, 77.9)	2.5% (2.0%, 3.0%)	99.3% (59.5%, 136.4%)	65953.0 (31386.6, 100087.4)	555.6 (259.8, 849.6)	213638.9 (104712.0, 334893.8)	978.1 (446.5, 1556.7)	1.9% (1.6%, 2.3%)	76.1% (45.5%, 111.5%)

Supplementary Table SI. Cont.

Country	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990-2019 EAPC % (95% UI)	Percentage change in age-standardized death rates, 1990-2019	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY no. (95% UI)	2019 age-standardized DALY rate per 100,000 (95% UI)	1990-2019 EAPC %. (95% UI)	Percentage change in age-standardized DALY rates, 1990-2019
Vanuatu	21.6 (10.4, 35.0)	32.6 (15.4, 52.6)	58.1 (27.2, 94.2)	34.0 (16.1, 54.5)	-0.1% (-0.2%, 0.1%)	4.4% (-20.8%, 40.5%)	773.3 (401.9, 1216.8)	960.4 (502.4, 1520.8)	2042.0 (1038.9, 3245.8)	1019.0 (516.3, 1612.4)	-0.1% (-0.2%, 0.1%)	6.1% (-20.3%, 44.9%)
Venezuela (Bolivarian Republic of)	1187.3 (492.2, 1873.6)	12.5 (5.1, 19.8)	3104.5 (1405.0, 5175.5)	10.8 (4.9, 18.0)	-0.6% (-0.8%, -0.4%)	-13.7% (-33.3%, 16.3%)	36588.3 (16614.2, 55671.4)	335.7 (152.9, 512.7)	91169.8 (45984.5, 144978.0)	303.5 (153.0, 481.7)	-0.4% (-0.6%, -0.2%)	-9.6% (-29.9%, 20.0%)
Viet Nam	3751.3 (1657.9, 5806.0)	9.9 (4.4, 15.3)	15161.2 (9040.8, 21709.5)	17.2 (10.3, 24.6)	2.4% (2.1%, 2.7%)	74.2% (24.0%, 168.7%)	103009.5 (44350.7, 160837.6)	247.8 (108.6, 386.5)	444803.4 (262523.6, 629976.4)	449.0 (271.3, 632.8)	2.6% (2.3%, 2.9%)	81.2% (25.4%, 192.2%)
Yemen	514.5 (131.9, 921.5)	11.0 (3.1, 19.5)	1171.1 (364.7, 2136.6)	9.2 (2.9, 16.6)	-0.4% (-0.6%, -0.2%)	-16.5% (-38.1%, 16.8%)	16270.0 (4306.2, 29177.0)	284.9 (80.3, 506.2)	37449.1 (12432.6, 67875.2)	236.4 (79.1, 423.7)	-0.4% (-0.6%, -0.2%)	-17.0% (-40.0%, 22.4%)
Zambia	201.9 (79.0, 320.9)	7.5 (3.2, 11.8)	503.4 (210.3, 810.9)	8.0 (3.7, 12.7)	0.0% (-0.1%, 0.1%)	6.5% (-19.3%, 39.1%)	6404.5 (2585.9, 10154.6)	195.5 (83.3, 306.3)	16283.0 (6900.8, 26233.0)	205.2 (90.8, 323.8)	-0.1% (-0.3%, 0.0%)	4.9% (-22.2%, 36.7%)
Zimbabwe	214.6 (90.3, 335.0)	6.1 (2.6, 9.6)	522.8 (221.9, 845.4)	8.4 (3.5, 13.6)	1.7% (1.3%, 2.0%)	37.1% (7.2%, 73.7%)	6213.0 (2748.1, 9484.2)	145.5 (64.2, 222.3)	16217.8 (7264.6, 25770.1)	213.3 (94.2, 337.5)	1.9% (1.5%, 2.3%)	46.6% (15.1%, 84.9%)

DALY – disability-adjusted life year; EAPC – estimated annual percentage change, UI – uncertainty interval.

Supplementary Table SII. Diet high in red meat-related ischemic heart disease deaths and DALYs in different geographic regions

Characteristics	1990 no. of deaths (95%UI)	1990 age-standardized Death rate per 100,000 No. (95%UI)	2019 no. of deaths (95%UI)	2019 age-standardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-standardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age-standardized DALY rate per 100,000 No. (95%UI)
Overall	244443.0 (39692.7, 446528.0)	7.1 (1.1, 12.9)	351208.5 (55890.0, 642712.1)	4.5 (0.7, 8.3)	5698588.8 (996859.9, 10253695.0)	143.9 (24.6, 259.9)	7742346.3 (1340006.5, 14077673.4)	94.6 (16.3, 172.3)
Sex								
Female	107492.5 (16329.5, 200202.5)	5.6 (0.9, 10.5)	150469.1 (21488.0, 282242.6)	3.4 (0.5, 6.4)	2083197.8 (321704.5, 3817901.1)	100.3 (15.3, 184.4)	2752357.6 (437160.3, 5084445.0)	63.3 (10.1, 117.0)
Male	136950.5 (24001.1, 246967.2)	8.7 (1.5, 15.8)	200739.4 (33981.3, 364218.2)	5.7 (1.0, 10.4)	3615390.9 (675155.4, 6468152.8)	190.1 (34.5, 342.7)	4989988.7 (911944.1, 8978315.9)	127.8 (23.1, 229.5)
Socio-demographic index								
High SDI	94625.2 (18291.9, 170318.9)	9.2 (1.8, 16.5)	76373.7 (13593.9, 139761.8)	3.8 (0.7, 6.8)	1956355.9 (431656.9, 3434463.1)	193.6 (43.2, 338.5)	1390844.6 (289700.6, 2488411.9)	81.3 (18.0, 143.0)
High-middle SDI	95353.6 (15419.0, 175716.6)	10.2 (1.6, 18.9)	124601.4 (20578.5, 230476.4)	6.3 (1.0, 11.7)	2219697.0 (393939.2, 4053063.7)	210.0 (36.3, 382.2)	2578440.3 (477281.7, 4672549.9)	129.7 (24.4, 235.2)
Middle SDI	34644.3 (3205.4, 67611.8)	4.0 (0.4, 7.8)	102322.2 (13874.9, 193441.9)	4.6 (0.6, 8.8)	954913.6 (81163.9, 1869894.6)	87.4 (7.8, 170.9)	2469054.6 (361123.5, 4646562.6)	98.3 (14.1, 185.7)
Low-middle SDI	13689.9 (2364.9, 25127.9)	2.7 (0.5, 5.0)	35398.6 (6184.1, 64760.9)	2.8 (0.5, 5.2)	388760.5 (66935.4, 710678.5)	60.4 (10.3, 110.7)	938694.9 (168074.0, 1721244.3)	65.3 (11.6, 119.6)
Low SDI	6012.7 (654.4, 11758.3)	2.8 (0.3, 5.5)	12346.6 (1460.7, 24212.9)	2.5 (0.3, 4.9)	176080.6 (17338.7, 346821.1)	67.2 (7.1, 131.4)	361347.5 (37552.7, 715233.4)	61.0 (6.9, 119.8)
Geographic regions								
Andean Latin America	564.7 (44.8, 1105.6)	3.0 (0.3, 5.8)	1134.9 (95.3, 2287.2)	2.1 (0.2, 4.2)	14222.3 (943.8, 27848.9)	64.4 (4.6, 125.9)	25851.8 (1913.3, 52572.9)	44.9 (3.3, 91.4)
Australasia	3816.6 (1348.7, 6092.9)	16.9 (5.9, 27.0)	2801.0 (958.3, 4578.3)	5.2 (1.9, 8.5)	79658.9 (30261.5, 124483.0)	346.6 (132.6, 541.1)	47053.7 (17739.1, 74642.6)	101.4 (40.1, 159.4)
Caribbean	1323.6 (99.9, 2610.6)	5.4 (0.4, 10.7)	1940.2 (144.7, 3956.8)	3.7 (0.3, 7.6)	30942.9 (2030.4, 60731.0)	117.3 (7.9, 230.6)	43707.3 (2861.9, 89086.3)	84.6 (5.5, 172.7)
Central Asia	6346.9 (1006.5, 11727.3)	14.7 (2.2, 27.3)	10112.1 (1475.4, 19298.6)	16.3 (2.2, 31.3)	155453.4 (27277.2, 282110.8)	325.5 (55.9, 592.1)	253610.1 (41558.0, 476344.3)	336.0 (53.1, 636.2)

Supplementary Table SII. Cont.

Characteristics	1990 no. of deaths (95%UI)	1990 age-standardized Death rate per 100,000 No. (95%UI)	2019 no. of deaths (95%UI)	2019 age-standardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-standardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age-standardized DALY rate per 100,000 No. (95%UI)
Central Europe	18920.6 (2311.8, 36123.6)	14.2 (1.7, 27.1)	16940.6 (2339.1, 32423.5)	7.9 (1.1, 15.1)	423922.6 (57165.3, 792873.7)	297.7 (40.4, 556.6)	308817.3 (51265.7, 574636.0)	154.7 (26.4, 284.7)
Central Latin America	3598.5 (271.9, 7109.6)	4.8 (0.4, 9.4)	8604.2 (795.2, 17111.0)	3.7 (0.3, 7.4)	90916.5 (6566.3, 179853.6)	101.9 (7.6, 201.8)	194219.0 (19107.9, 384393.9)	80.5 (7.9, 159.6)
Central Sub-Saharan Africa	471.2 (58.7, 934.0)	2.4 (0.3, 4.7)	915.0 (115.8, 1903.4)	1.9 (0.3, 3.9)	13708.7 (1542.7, 27409.4)	54.7 (6.7, 108.3)	26114.2 (2907.7, 54894.0)	43.7 (5.5, 91.1)
East Asia	25914.8 (2049.4, 52764.4)	3.7 (0.3, 7.4)	100156.8 (15321.0, 192699.9)	5.6 (0.8, 10.8)	728256.7 (54471.9, 1472880.8)	80.2 (6.2, 162.4)	2274305.6 (425949.1, 4190830.7)	114.4 (20.7, 211.8)
Eastern Europe	43837.8 (7394.9, 80487.2)	17.3 (2.8, 31.9)	42673.5 (4668.6, 84280.6)	12.6 (1.4, 24.7)	989885.0 (181696.7, 1779297.9)	367.1 (67.4, 661.1)	843053.2 (89351.2, 1663998.9)	256.6 (27.4, 507.7)
Eastern Sub-Saharan Africa	1340.9 (133.0, 2645.9)	2.0 (0.2, 4.0)	2855.8 (246.5, 5940.8)	2.0 (0.2, 4.0)	38817.3 (3367.5, 76844.0)	47.1 (4.5, 93.2)	80901.6 (5906.6, 169334.4)	44.2 (3.7, 91.8)
High-income Asia Pacific	4720.6 (351.1, 9373.7)	2.6 (0.2, 5.2)	5287.9 (487.2, 10671.9)	1.1 (0.1, 2.1)	102819.3 (6524.6, 204038.5)	52.2 (3.4, 103.8)	87491.9 (8417.4, 170095.8)	23.1 (2.4, 44.1)
High-income North America	38185.1 (7699.1, 69038.8)	10.8 (2.3, 19.4)	35574.9 (7502.9, 64362.6)	5.5 (1.2, 9.9)	803138.4 (183096.5, 1398674.6)	240.5 (55.9, 417.7)	688017.0 (162312.2, 1207067.0)	120.1 (29.3, 208.1)
North Africa and Middle East	13200.4 (989.9, 26094.9)	8.3 (0.7, 16.3)	22997.0 (1777.0, 46153.7)	5.7 (0.5, 11.4)	372521.3 (24101.7, 742786.0)	196.8 (14.0, 390.1)	608546.4 (39901.7, 1241554.9)	128.3 (9.2, 259.3)
Oceania	205.5 (13.1, 431.0)	6.9 (0.5, 14.5)	487.0 (29.7, 1032.1)	6.9 (0.5, 14.3)	6798.9 (404.2, 14441.8)	186.4 (11.7, 392.5)	15833.6 (880.3, 33900.4)	181.0 (11.0, 382.9)
South Asia	8934.4 (2069.0, 15938.4)	1.8 (0.4, 3.2)	22804.1 (4708.1, 42008.6)	1.7 (0.4, 3.2)	265127.3 (59805.4, 475363.1)	42.0 (9.7, 75.4)	635608.6 (119225.3, 1183648.2)	42.1 (8.2, 78.2)
Southeast Asia	4889.0 (557.7, 9412.9)	2.1 (0.3, 4.0)	15093.5 (1448.4, 29518.7)	2.7 (0.3, 5.2)	140004.6 (13873.6, 272089.2)	49.4 (5.4, 95.2)	412095.7 (34322.0, 809544.6)	63.3 (5.6, 124.1)
Southern Latin America	5925.7 (2058.3, 9577.1)	13.8 (4.8, 22.4)	5276.3 (1765.0, 8471.6)	6.3 (2.1, 10.1)	133941.2 (50790.1, 210702.4)	293.1 (110.9, 464.0)	107828.1 (41335.1, 170569.9)	133.1 (51.9, 210.2)
Southern Sub-Saharan Africa	865.8 (60.5, 1768.3)	3.3 (0.2, 6.8)	1754.3 (139.1, 3517.2)	3.5 (0.3, 7.0)	24588.9 (1607.2, 49951.0)	80.7 (5.4, 164.2)	45132.2 (3518.7, 89703.0)	76.0 (6.0, 151.6)

Supplementary Table SII. Cont.

Characteristics	1990 no. of deaths (95%UI)	1990 age-standardized Death rate per 100,000 No. (95%UI)	2019 no. of deaths (95%UI)	2019 age-standardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-standardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age-standardized DALY rate per 100,000 No. (95%UI)
Tropical Latin America	6210.8 (671.5, 11968.0)	7.5 (0.8, 14.5)	14253.8 (4230.3, 23898.6)	5.9 (1.7, 10.0)	171656.4 (19181.2, 329925.4)	173.2 (19.0, 334.4)	372771.2 (124738.7, 611514.2)	149.5 (49.4, 245.6)
Western Europe	53307.3 (10155.4, 95819.6)	9.4 (1.8, 16.8)	35582.7 (5819.0, 65985.5)	3.5 (0.6, 6.4)	1064240.9 (230092.1, 1865876.1)	196.0 (44.3, 341.1)	568306.7 (108853.7, 1023326.3)	68.0 (14.5, 119.9)
Western Sub-Saharan Africa	1862.7 (178.3, 3780.7)	2.4 (0.3, 4.9)	3962.7 (353.7, 8079.0)	2.4 (0.2, 5.0)	47967.2 (3921.0, 98451.5)	52.5 (4.7, 106.9)	103081.0 (7643.2, 214130.1)	51.2 (4.4, 105.0)

DALY – disability-adjusted life year, SDI – socio-demographic index, UI – uncertainty interval.

Supplementary Table SIII. Diet high in red meat-related diabetes mellitus deaths and DALYs in different geographic regions

Characteristics	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY No. (95% UI)	2019 age-standardized DALY rate per 100,000 No. (95% UI)
Overall	34533.6 (19150.8, 48390.1)	1.0 (0.5, 1.3)	82067.1 (46008.5, 115078.3)	1.0 (0.6, 1.5)	1524141.8 (872992.7, 2207200.3)	37.9 (21.8, 54.6)	4123245.2 (2434079.5, 5962469.7)	49.8 (29.4, 72.0)
Sex								
Female	19826.7 (10830.4, 27935.9)	1.0 (0.5, 1.4)	41863.9 (23273.1, 59425.6)	1.0 (0.5, 1.4)	802094.9 (459222.4, 1160802.9)	37.5 (21.4, 54.3)	1976763.9 (1159053.4, 2897914.3)	45.5 (26.6, 66.7)
Male	14706.9 (8312.4, 20702.1)	0.9 (0.5, 1.3)	40203.1 (22860.7, 55916.9)	1.1 (0.6, 1.6)	722046.9 (415264.0, 1049845.4)	38.1 (22.0, 55.2)	2146481.4 (1287875.7, 3076391.7)	54.4 (32.5, 77.8)
Socio-demographic index								
High SDI	12274.0 (8236.4, 16486.6)	1.2 (0.8, 1.6)	18509.1 (12201.7, 24844.8)	0.9 (0.6, 1.2)	514336.6 (340819.0, 716386.0)	50.5 (33.4, 70.1)	1039821.2 (667789.7, 1503095.6)	61.6 (39.2, 89.1)
High-middle SDI	10247.7 (6205.1, 14122.1)	1.0 (0.6, 1.4)	20042.6 (12515.5, 27657.3)	1.0 (0.6, 1.4)	471039.1 (287315.8, 675205.1)	43.5 (26.7, 62.5)	1082947.5 (691509.3, 1556840.2)	53.7 (34.3, 77.5)
Middle SDI	7698.0 (3191.1, 11570.5)	0.8 (0.3, 1.3)	28838.7 (14952.7, 41639.6)	1.2 (0.6, 1.8)	362704.7 (159868.2, 562482.2)	33.2 (14.3, 51.1)	1374551.6 (759961.2, 2020164.9)	53.1 (29.1, 77.8)
Low-middle SDI	2746.8 (959.8, 4278.2)	0.5 (0.2, 0.9)	10740.7 (4729.4, 15921.2)	0.9 (0.4, 1.3)	116454.5 (44131.5, 185878.9)	18.7 (7.0, 30.0)	461057.1 (213594.9, 708342.0)	32.6 (15.0, 50.2)
Low SDI	1536.3 (395.3, 2531.7)	0.7 (0.2, 1.2)	3872.0 (1179.3, 6262.9)	0.8 (0.3, 1.4)	58439.7 (15750.5, 97100.5)	23.2 (6.1, 38.4)	162048.0 (50125.2, 265980.2)	29.0 (9.0, 47.5)
Geographic regions								
Andean Latin America	174.1 (62.7, 273.0)	0.9 (0.3, 1.4)	725.8 (304.2, 1116.2)	1.3 (0.5, 2.0)	6480.6 (2398.3, 10322.4)	30.3 (10.9, 48.2)	28499.6 (12857.1, 44483.4)	50.0 (22.4, 78.0)
Australasia	366.1 (267.1, 467.0)	1.6 (1.2, 2.0)	677.3 (487.5, 892.3)	1.2 (0.9, 1.6)	12658.9 (9053.1, 16755.6)	54.5 (39.1, 72.6)	29450.6 (20337.6, 40901.4)	62.8 (43.0, 87.3)
Caribbean	378.4 (107.3, 599.2)	1.5 (0.4, 2.4)	691.4 (191.3, 1166.6)	1.3 (0.4, 2.2)	14979.7 (4491.8, 24405.8)	56.4 (16.8, 92.0)	32416.9 (10353.0, 54718.8)	62.6 (20.0, 105.6)
Central Asia	306.4 (169.6, 428.2)	0.7 (0.4, 0.9)	1347.9 (777.7, 1920.2)	1.9 (1.1, 2.6)	18662.3 (10890.9, 26754.8)	37.7 (21.9, 54.3)	70763.7 (41911.7, 102105.9)	86.6 (50.9, 125.1)

Supplementary Table SIII. Cont.

Characteristics	1990 no. of deaths (95% UI)	1990 age-stan- dardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-stan- dardized death rate per 100,000 (95% UI)	1990 DALY no. (95% UI)	1990 age-stan- dardized DALY rate per 100,000 (95% UI)	2019 DALY No. (95% UI)	2019 age-stan- dardized DALY rate per 100,000 No. (95% UI)
Central Europe	1466.1 (889.4, 2029.0)	1.0 (0.6, 1.4)	2270.5 (1344.8, 3167.1)	1.0 (0.6, 1.4)	78487.3 (48045.4, 114267.3)	53.0 (32.4, 77.2)	143018.9 (87467.5, 210359.3)	72.2 (44.4, 105.5)
Central Latin America	2324.0 (1169.6, 3379.0)	2.9 (1.4, 4.2)	7107.0 (3685.6, 10520.8)	3.1 (1.6, 4.5)	97248.4 (49927.9, 142183.5)	109.0 (55.4, 160.5)	305579.5 (163376.8, 452875.4)	125.9 (66.9, 186.8)
Central Sub-Saharan Africa	205.2 (70.8, 331.2)	1.0 (0.4, 1.7)	430.4 (146.1, 701.2)	0.9 (0.3, 1.5)	7699.0 (2581.4, 12396.3)	31.3 (10.6, 50.3)	18801.2 (6598.5, 30655.0)	31.5 (10.7, 51.1)
East Asia	4326.4 (1880.0, 6566.8)	0.5 (0.2, 0.8)	17350.1 (10869.8, 24220.9)	0.9 (0.5, 1.3)	265806.5 (122719.0, 421507.7)	28.2 (12.8, 44.4)	1065421.2 (669097.9, 1519762.4)	50.4 (31.8, 72.3)
Eastern Europe	1153.0 (772.1, 1555.9)	0.4 (0.3, 0.6)	1650.5 (879.4, 2386.6)	0.5 (0.3, 0.7)	82151.9 (52273.2, 116874.1)	29.5 (18.7, 42.0)	101033.6 (55976.9, 152611.6)	30.6 (16.9, 46.2)
Eastern Sub-Saharan Africa	673.1 (153.7, 1135.1)	1.0 (0.2, 1.7)	1333.3 (289.1, 2257.7)	0.9 (0.2, 1.6)	23049.8 (5423.1, 38982.9)	28.8 (6.7, 48.5)	50191.7 (11710.8, 85684.8)	28.6 (6.5, 48.5)
High-income Asia Pacific	693.5 (224.3, 1082.2)	0.4 (0.1, 0.6)	1313.5 (615.2, 1944.6)	0.3 (0.1, 0.4)	38939.7 (13251.9, 64772.3)	19.0 (6.4, 31.6)	93527.3 (45225.4, 148908.8)	26.8 (13.5, 42.4)
High-income North America	5149.4 (3561.8, 6820.5)	1.4 (1.0, 1.9)	8603.5 (5814.9, 11446.9)	1.3 (0.9, 1.8)	233746.6 (160433.5, 321644.9)	70.0 (48.3, 96.4)	505694.2 (332057.6, 713567.1)	87.2 (57.6, 123.1)
North Africa and Middle East	1295.6 (334.7, 2118.8)	0.9 (0.2, 1.4)	3356.1 (831.6, 5571.9)	0.9 (0.2, 1.4)	53979.3 (14275.1, 89658.7)	29.8 (7.9, 49.7)	181635.1 (46962.0, 314424.2)	39.0 (9.8, 67.6)
Oceania	130.7 (49.6, 210.2)	4.6 (1.7, 7.5)	389.2 (133.3, 634.6)	5.9 (2.0, 9.5)	4902.8 (1962.3, 7710.1)	143.4 (55.2, 228.5)	15204.5 (5400.9, 24859.8)	186.0 (63.7, 300.7)
South Asia	1204.7 (368.4, 2030.1)	0.3 (0.1, 0.5)	4706.7 (1335.5, 7738.0)	0.4 (0.1, 0.6)	53591.9 (16726.5, 90254.6)	9.3 (2.8, 15.7)	206943.6 (62988.6, 350981.3)	14.2 (4.3, 24.2)
Southeast Asia	1715.6 (395.5, 2876.7)	0.7 (0.2, 1.2)	6787.8 (2217.4, 10783.9)	1.2 (0.4, 1.9)	64050.1 (14750.1, 109295.0)	23.3 (5.4, 39.7)	271164.4 (93716.5, 438009.6)	42.2 (14.2, 68.3)
Southern Latin America	1172.9 (848.5, 1517.4)	2.6 (1.9, 3.4)	2002.6 (1454.1, 2601.9)	2.4 (1.7, 3.1)	38118.0 (26897.5, 50261.1)	82.0 (58.0, 107.8)	82389.7 (57512.6, 112627.8)	100.5 (70.0, 138.0)

Supplementary Table SIII. Cont.

Characteristics	1990 no. of deaths (95% UI)	1990 age-standardized death rate per 100,000 (95% UI)	2019 no. of deaths (95% UI)	2019 age-standardized death rate per 100,000 (95% UI)	1990 DALY no. (95% UI)	1990 age-standardized DALY rate per 100,000 (95% UI)	2019 DALY No. (95% UI)	2019 age-standardized DALY rate per 100,000 No. (95% UI)
Southern Sub-Saharan Africa	633.0 (264.7, 952.6)	2.5 (1.0, 3.8)	2171.1 (1017.0, 3195.2)	4.3 (2.0, 6.3)	21451.1 (9870.7, 31960.4)	74.8 (33.5, 111.8)	71367.3 (35572.2, 105044.3)	123.9 (61.3, 182.7)
Tropical Latin America	2084.0 (1187.7, 2956.4)	2.5 (1.4, 3.5)	7860.8 (5520.7, 10282.5)	3.3 (2.3, 4.4)	86880.6 (51178.5, 123563.3)	89.8 (52.5, 128.5)	320835.6 (225461.8, 428912.0)	130.4 (91.4, 174.2)
Western Europe	8515.1 (5842.8, 11322.5)	1.4 (1.0, 1.9)	9696.7 (6468.6, 13176.2)	0.9 (0.6, 1.2)	302245.3 (204804.9, 412750.8)	53.8 (36.2, 73.8)	471128.5 (303253.1, 675614.4)	58.5 (37.5, 85.2)
Western Sub-Saharan Africa	566.4 (123.9, 960.2)	0.7 (0.2, 1.2)	1594.8 (360.8, 2745.8)	1.0 (0.2, 1.7)	19011.9 (4335.1, 32129.2)	21.0 (4.7, 35.6)	58178.2 (13998.3, 99733.5)	29.5 (6.9, 50.7)

DALY – disability-adjusted life year, SDI – socio-demographic index, UI – uncertainty interval.

Supplementary Table SIV. Diet high in red meat-related colorectal cancer deaths and DALYs in different geographic regions

Characteristics	1990 no. of deaths (95%UI)	1990 age-standardized death rate per 100,000 (95%UI)	2019 no. of deaths (95%UI)	2019 age-standardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-standardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age-standardized DALY rate per 100,000 No. (95%UI)
Overall	26087.1 (6690.3, 50231.5)	0.7 (0.2, 1.4)	52811.0 (13598.5, 100688.3)	0.7 (0.2, 1.3)	627834.2 (165196.8, 1192278.3)	15.6 (4.1, 29.8)	1234678.5 (332703.8, 2306844.1)	14.9 (4.0, 28.0)
Sex								
Female	12951.4 (3302.4, 24856.1)	0.6 (0.2, 1.2)	22759.7 (5663.0, 44003.9)	0.5 (0.1, 1.0)	296273.3 (76862.6, 562565.0)	13.9 (3.6, 26.4)	496397.4 (132360.5, 944785.2)	11.4 (3.0, 21.7)
Male	13135.7 (3427.0, 25156.4)	0.8 (0.2, 1.6)	30051.3 (7627.5, 57327.5)	0.8 (0.2, 1.6)	331560.9 (88527.8, 627389.6)	17.7 (4.7, 33.7)	738281.1 (198239.5, 1373853.5)	18.8 (5.0, 35.1)
Socio-demographic index								
High SDI	14062.9 (3943.8, 25419.5)	1.3 (0.4, 2.4)	18849.1 (4893.3, 35349.3)	1.0 (0.3, 1.8)	314924.1 (92478.8, 557564.3)	30.9 (9.2, 54.6)	389921.3 (108477.3, 703495.4)	22.8 (6.6, 40.4)
High-middle SDI	8864.2 (2276.2, 17224.6)	0.9 (0.2, 1.7)	18793.1 (5032.8, 35131.7)	0.9 (0.3, 1.7)	221807.8 (58712.0, 422210.3)	20.3 (5.3, 38.8)	440051.5 (124025.8, 802903.3)	21.9 (6.2, 39.9)
Middle SDI	2278.1 (297.1, 5661.9)	0.2 (0.0, 0.6)	11723.4 (2560.3, 23586.8)	0.5 (0.1, 1.0)	65862.7 (8875.2, 161394.1)	5.8 (0.8, 14.3)	311975.8 (73750.4, 608406.7)	12.0 (2.8, 23.4)
Low-middle SDI	648.7 (122.0, 1496.9)	0.1 (0.0, 0.3)	2826.5 (617.0, 5903.6)	0.2 (0.0, 0.5)	18653.5 (3612.4, 42685.9)	2.8 (0.5, 6.5)	75490.3 (17505.2, 155025.5)	5.2 (1.2, 10.8)
Low SDI	221.4 (31.7, 565.5)	0.1 (0.0, 0.3)	597.8 (97.7, 1464.3)	0.1 (0.0, 0.3)	6319.2 (893.4, 16233.3)	2.4 (0.3, 6.2)	16780.4 (2642.7, 41401.0)	2.9 (0.5, 7.2)
Geographic regions								
Andean Latin America	35.6 (3.8, 92.1)	0.2 (0.0, 0.5)	154.4 (17.5, 391.6)	0.3 (0.0, 0.7)	911.7 (95.8, 2356.7)	4.2 (0.4,10.8)	3689.6 (443.0, 9188.2)	6.4 (0.8, 16.0)
Australasia	630.4 (275.7, 959.2)	2.7 (1.2, 4.1)	887.7 (367.3, 1386.7)	1.7 (0.7, 2.7)	14698.3 (6624.7, 22077.0)	63.8 (29.0, 95.8)	18261.8 (7950.7, 28010.5)	39.6 (17.8, 60.3)
Caribbean	83.1 (7.8, 219.7)	0.3 (0.0, 0.9)	209.2 (19.7, 560.4)	0.4 (0.0, 1.1)	1956.4 (184.7, 5166.3)	7.4 (0.7, 19.5)	4607.7 (436.7, 12277.0)	8.9 (0.8, 23.7)
Central Asia	271.4 (70.0, 523.6)	0.6 (0.1, 1.1)	389.3 (98.3, 756.0)	0.6 (0.1, 1.1)	8018.5 (2142.8, 15196.9)	15.9 (4.2, 30.2)	10913.8 (2929.1, 21058.7)	13.6 (3.5, 26.1)

Supplementary Table SIV. Cont.

Characteristics	1990 no. of deaths (95%UI)	1990 age-standardized death rate per 100,000 (95%UI)	2019 no. of deaths (95%UI)	2019 age-standardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-standardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age-standardized DALY rate per 100,000 No. (95%UI)
Central Europe	1538.2 (321.9, 3190.1)	1.1 (0.2, 2.2)	2862.5 (698.9, 5678.5)	1.3 (0.3, 2.6)	37987.6 (8505.6, 76660.0)	25.7 (5.8, 51.9)	63015.8 (16255.9, 122004.6)	31.4 (8.2, 60.2)
Central Latin America	188.8 (24.4, 460.7)	0.2 (0.0, 0.6)	806.9 (129.6, 1945.8)	0.3 (0.1, 0.8)	5030.4 (675.4, 11890.3)	5.5 (0.7, 13.2)	20609.9 (3626.6, 48284.0)	8.5 (1.5, 19.9)
Central Sub-Saharan Africa	27.4 (4.9, 67.4)	0.1 (0.0, 0.3)	60.8 (9.6, 149.6)	0.1 (0.0, 0.3)	796.4 (141.5, 1950.4)	3.2 (0.6, 7.8)	1771.2 (274.1, 4466.0)	2.9 (0.5, 7.2)
East Asia	2850.9 (407.7, 6969.6)	0.3 (0.0, 0.8)	16497.7 (4056.3, 31568.9)	0.8 (0.2, 1.6)	83024.0 (12430.4, 200519.0)	8.6 (1.3, 20.9)	436251.9 (115074.7, 813023.5)	20.8 (5.4, 38.6)
Eastern Europe	2994.9 (772.0, 5768.5)	1.1 (0.3, 2.1)	2707.6 (468.3, 5946.9)	0.8 (0.1, 1.7)	77518.2 (20849.3, 145612.0)	27.5 (7.4, 51.6)	62824.9 (11276.9, 137393.9)	18.9 (3.4, 41.2)
Eastern Sub-Saharan Africa	88.1 (10.3, 230.8)	0.1 (0.0, 0.3)	240.8 (27.1, 625.8)	0.2 (0.0, 0.4)	2552.6 (286.5, 6777.0)	3.0 (0.4, 8.0)	6912.3 (738.1, 18080.6)	3.7 (0.4, 9.7)
High-income Asia Pacific	909.7 (86.9, 2420.6)	0.5 (0.0, 1.2)	2196.0 (274.8, 5546.4)	0.5 (0.1, 1.1)	22154.4 (2125.8, 59218.0)	10.9 (1.0, 29.1)	41771.5 (5719.0, 101560.1)	10.9 (1.6, 25.8)
High-income North America	4797.8 (1332.0, 8718.8)	1.4 (0.4, 2.4)	6385.7 (1712.4, 11567.1)	1.0 (0.3, 1.8)	110891.4 (32929.2, 193178.9)	33.0 (10.0, 57.1)	144668.4 (42179.1, 251557.7)	25.3 (7.5, 43.9)
North Africa and Middle East	301.0 (28.9, 820.5)	0.2 (0.0, 0.5)	881.7 (86.0, 2352.2)	0.2 (0.0, 0.6)	8525.5 (802.3, 23203.2)	4.5 (0.4, 12.3)	23444.4 (2225.0, 62628.7)	5.0 (0.5, 13.2)
Oceania	6.2 (0.7, 16.1)	0.2 (0.0, 0.6)	15.3 (1.6, 40.8)	0.2 (0.0, 0.6)	187.3 (23.1, 484.1)	5.5 (0.7, 14.2)	454.0 (48.7, 1205.7)	5.6 (0.6, 15.0)
South Asia	267.5 (69.9, 582.6)	0.1 (0.0, 0.1)	947.5 (228.1, 2161.3)	0.1 (0.0, 0.2)	7509.3 (2044.9, 16221.0)	1.2 (0.3, 2.7)	24347.3 (5853.2, 55572.0)	1.7 (0.4, 3.8)
Southeast Asia	405.6 (51.4, 1035.9)	0.2 (0.0, 0.4)	1821.6 (220.2, 4549.7)	0.3 (0.0, 0.8)	11633.2 (1430.6, 29881.9)	4.1 (0.5, 10.5)	49491.9 (5926.0, 123345.2)	7.6 (0.9, 18.9)
Southern Latin America	895.6 (375.8, 1386.6)	2.0 (0.8, 3.1)	1768.2 (705.0, 2777.5)	2.1 (0.8, 3.3)	20604.6 (9149.0, 31547.6)	44.3 (19.6, 67.9)	38063.7 (16077.0, 58942.4)	46.7 (19.8, 72.1)
Southern Sub-Saharan Africa	82.7 (10.5, 211.3)	0.3 (0.0, 0.8)	209.5 (30.3, 497.6)	0.4 (0.1, 1.0)	2215.7 (302.4, 5423.2)	7.4 (1.0, 18.3)	5485.3 (877.8, 12736.0)	9.1 (1.4, 21.4)

Supplementary Table SIII. Cont.

Characteristics	1990 no. of deaths (95%UI)	1990 age-stan- dardized death rate per 100,000 (95%UI)	2019 no. of deaths (95%UI)	2019 age-stan- dardized death rate per 100,000 (95%UI)	1990 DALY no. (95%UI)	1990 age-stan- dardized DALY rate per 100,000 (95%UI)	2019 DALY no. (95%UI)	2019 age- standardized DALY rate per 100,000 No. (95%UI)
Tropical Latin America	388.0 (77.5, 833.6)	0.5 (0.1, 1.0)	2402.9 (890.2, 3925.1)	1.0 (0.4, 1.6)	10572.3 (2211.6, 22078.6)	10.6 (2.2, 22.5)	61166.9 (23984.5, 97094.7)	24.6 (9.6, 39.2)
Western Europe	9231.8 (2731.5, 16475.7)	1.6 (0.5, 2.8)	11104.0 (2953.3, 20564.8)	1.2 (0.3, 2.1)	198617.4 (60793.0, 339981.9)	36.1 (11.2, 61.5)	210073.2 (59872.1, 372017.5)	25.6 (7.6, 44.8)
Western Sub-Saharan Africa	92.5 (10.5, 244.4)	0.1 (0.0, 0.3)	261.9 (28.7, 684.2)	0.2 (0.0, 0.4)	2428.9 (261.8, 6497.5)	2.6 (0.3, 6.9)	6853.0 (713.6, 18051.5)	3.4 (0.4, 8.9)

DALY – disability-adjusted life year; SDI – socio-demographic index, UI – uncertainty interval.