

Global Burden and International Disparities in NASH-Associated Liver Cancer: Mortality Trends (1990 – 2021) and Future Projections to 2045

Supplementary material catalogue

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Supplementary Methods

Calculation of ASR

$$ASR = \frac{(\sum_{i=1}^A a_i w_i)}{(\sum_{i=1}^A w_i)} \times 100,000$$

In this formula, i represents the i -th age group. The term a_i denotes the crude rate of the specific disease within the i -th age group, while w_i refers to the weight assigned to the i -th age group based on a reference standard population. The weight w_i reflects the proportion of individuals in that age group within the reference population, ensuring that the age distribution is standardized across different populations.

Joinpoint analysis

Time trend analysis is an important component of epidemiological research. Traditional regression models primarily fit and evaluate the overall trend of disease distribution within the study period from a global perspective, failing to capture local variation characteristics. In 1998, Kim et al. first proposed the Joinpoint regression model. The core idea of this model is to establish segmented regression based on the temporal characteristics of disease distribution. By dividing the study time into different intervals through several Joinpoints, the trend in each interval is fitted and optimized, allowing for a more detailed assessment of the specific disease change characteristics within different intervals of the overall time range[1]. The Joinpoint regression model, developed by the Division of Cancer Control and Population Sciences at the National Cancer Institute of the United States, has been widely applied in the field of trend studies on disease incidence and mortality rates.

(I) Model Introduction

The Joinpoint regression model includes two types: the linear model ($y = xb$) and the logarithmic linear model ($\ln y = xb$). If the dependent variable follows a normal distribution (or approximately normal distribution) and the sample size is large (usually greater than 100), the linear model is preferred. For example, when the dependent variable is continuous variables like height, weight, etc. If the dependent variable follows an exponential distribution or a Poisson distribution, the logarithmic linear model is more suitable. For instance, when the dependent variable represents epidemiological data based on populations such as incidence rates, number of cases, etc. When analyzing trends in the incidence, prevalence, mortality rates, and DALYs rates of thalassemia based on population data, the logarithmic linear model is generally chosen.

(II) Modeling Method

The grid search method (GSM) is the default modeling approach used by Joinpoint. GSM divides the study data into a grid, with each grid intersection corresponding to a planned scenario[1]. Then, within the specified intervals, it computes performance metrics for the corresponding equations at each point using a fixed step size to determine the optimal function. In essence, the Joinpoint model uses the GSM to establish all possible segment function Joinpoints (i.e., Joinpoints) and calculates the sum of squares errors (SSE) and mean squared errors (MSE) for each possible scenario. It selects the grid point with the smallest MSE as the Joinpoint for the segment function and fits the equation parameters such as $\beta_0, \beta_1, \delta_1, \dots, \delta_k$ based on the selected Joinpoints and interval functions[2].

(III) Model Optimization

Monte Carlo permutation test is the default model optimization method in Joinpoint software. Before modeling, it is necessary to set the range of the number of Joinpoints k as $k \in (\text{MIN}, \text{MAX})$, where MIN represents the minimum number of Joinpoints, which is usually set to 0;

MAX represents the maximum number of Joinpoints. Each permutation test checks the null hypothesis H_0 : the number of Joinpoints is $k = k_a$, and the alternative hypothesis H_1 : the number of Joinpoints is $k = k_b$. The permutation test starts from $k_a = \text{MIN}$ and $k_b = \text{MAX}$. If H_0 is rejected, k is set to $k_a + 1$ for further testing; if H_0 is not rejected, k is set to $k_b - 1$ for another test, until $k_a = k_b$, which means $k = k_a = k_b$ is the preferred number of Joinpoints selected by the permutation test, and the corresponding model is the optimal model IV) Index Calculation

Annual percent change (APC) and average annual percent change (AAPC) along with their 95% confidence intervals (CI) are the primary outcome indicators of the Joinpoint model. As the name suggests, APC represents the average annual percentage change of the dependent variable. For example, in a logarithmic linear model $\ln(y) = \beta_0 + \beta_1 x$, where y represents the incidence rate and x represents the year of incidence, the formula for calculating APC in the fitted model can be derived as:

$$APC = \left(\frac{y_{x+1} - y_x}{y_x} \right) \times 100 = (e^{\beta_1} - 1) \times 100$$

The lower and upper limits of the $100(1-\alpha)\%$ confidence interval are respectively:

$$APC_{L(\alpha)} = 100 \left(e^{\beta_1 - s \times t_d^{-1}(1-\alpha/2)} - 1 \right)$$

$$APC_{U(\alpha)} = 100 \left(e^{\beta_1 + s \times t_d^{-1}(1-\alpha/2)} - 1 \right)$$

In the above formula, β_1 represents the regression coefficient, s represents the standard error of β_1 , d represents the degrees of freedom, and $t_d(q)$ is the value corresponding to the q th percentile of the t -distribution with d degrees of freedom (such as 95%).

The APC is used to evaluate the internal trend of each independent interval of a segmented function or the overall trend with no connecting points. When it comes to assessing the overall average change trend encompassing multiple intervals, the AAPC is required. The parameter

calculation method of AAPC involves weighted calculation of the regression coefficients of each interval based on the width w of the segment intervals. Its formula is as follows:

$$AAPC = \left(e^{\frac{\sum w_i \beta_i}{\sum w_i}} - 1 \right) \times 100$$

The lower and upper limits of the $100(1-\alpha)$ % confidence interval are respectively:

$$AAPC_{L(\alpha)} = \left\{ \exp \left[\ln \left(\frac{AAPC}{100} + 1 \right) - Z_{1-\alpha/2} \sqrt{\sum \widetilde{w_i^2} \widetilde{\sigma_i^2}} \right] - 1 \right\}$$

$$AAPC_{U(\alpha)} = \left\{ \exp \left[\ln \left(\frac{AAPC}{100} + 1 \right) + Z_{1-\alpha/2} \sqrt{\sum \widetilde{w_i^2} \widetilde{\sigma_i^2}} \right] - 1 \right\}$$

In the above formula, w_i represents the width of each segment function interval (i.e, the number of years included in the interval), β_i denotes the regression coefficient corresponding to each interval, σ_i^2 is the variance of β_i , and Z_α represents the corresponding value of the α percentile in the normal distribution.

Decomposition analysis

We first used the decomposition methodology of Das Gupta to decompose NASH-associated liver cancer deaths by population age structure, population growth, and epidemiologic changes[3-5]. The number of deaths at each location was obtained from the following formula:

$$DALY_{ay, py, ey} = \sum_{i=1}^{17} (a_{i, y} * p_y * e_{i, y})$$

Where $DALY_{ay, py, ey}$ represented DALYs based on the factors of age structure, population, and DALYs rate for specific year y ; a_{iy} represents the proportion of population for the age category i of the 17 age categories in given year y ; p_y represents the total population in given year y ; and e_{iy} represents DALYs rate given age category i in year y . The contribution of each factor to the change in DALYs from 1990 to 2021 was defined by the effect of one factor changing while the other factors were held constant. For example, the effect of age structure was calculated as:

$$(DALY_{a2021, p1990, e1990} + DALY_{a2021, p2021, e2021})/3 + (DALY_{a2021, p1990, e2019} + DALY_{a2021, p2021, e1990})/6 - [(DALY_{a1990, p2021, e2021} + DALY_{a1990, p1990, e1990})/3 + (DALY_{a1990, p2021b, e1990} + DALY_{a1990, p1990, e2021})/6]$$

Frontier analysis

In order to evaluate the relationship between the burden of NASH-associated liver cancer and socio-demographic development, we applied a frontier analysis as a quantitative methodology to identify the lowest potentially achievable age-standardized death rate based on development status, as measured by the SDI. The death rate frontier pinpoints the minimum number of deaths that could be attained for every country or territory given its SDI. Distance from the frontier is termed the effective difference; a large effective difference from the frontier suggests there may be unrealized opportunities for gains or improvement (reduction in NASH-associated liver cancer deaths) that should be possible based on the country or territory's place on the development spectrum. A data envelopment analysis, which allows for the delineation of non-linear frontiers, utilizing the free disposal hull method, was developed to produce a frontier for age-adjusted NASH-associated liver cancer deaths by SDI, using data from 1990-2021. In order to account for uncertainty, we used 1,000 bootstrapped samples of the data, randomly sampling with replacement from all countries and territories across all years. The mean death rate for NASH-associated liver cancer at each SDI value from the

bootstrapped samples was computed. A LOESS regression with local polynomial degree of 1 and span of 0.2 was then developed to generate a smoothed frontier. To exclude the influence of outliers, super-efficient countries were excluded from the generation of the frontier. To understand the relationship between age-standardized NASH-associated liver cancer death rates relative to the frontier in 2021, we calculated the effective difference (the absolute distance from the frontier) using 2021 SDI and age-standardized death rate data points for each country or territory. Countries or territories with lower death rates than the frontier were assigned a zero distance.

References

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Table S1. List of International Classification of Diseases (ICD) codes mapped to the Global Burden of Disease cause list for liver cancer mortality data.

Disease	ICD10	ICD9
Liver cancer	C22 to C22.0 to C22.1 to C22.3 to C22.4 to C22.5 to C22.7 to C22.8 to D13.4	155 to 155.0 to 155.1 to 155.3 to 155.5 to 155.9 to 211.5

Table S2 Terms and definitions to Country/Region Groupings Used in This Study to Including SDI Countries and GBD Regions to 21GBD region and 5 SDI region specific distribution

The Global Burden of Disease (GBD): GBD is a comprehensive epidemiological database spearheaded by the Institute for Health Metrics and Evaluation (IHME) at the University of Washington. It covers 288 causes of death to 71 diseases and injuries to and 88 risk factors across 204 countries and territories to including subnational estimates for 21 regions to spanning the years 1990 to 2021. The GBD provides detailed insights in to global health trends and emerging challenges. With its vast array of data sources and advanced statistical modeling methods to the GBD database offers the most comprehensive estimates of disease burden to including the burden of nonalcoholic steatohepatitis (NASH)-associated liver cancer. This study utilized the most recent GBD dataset to evaluate the global burden of NASH-associated liver cancer to providing updated and in-depth assessments of this pressing public health issue.

Age-standardized rate: Rate per 100 to 000 population following standardization to the global age structure. The difference between age-standardized rates across geographies and over time is independent of population size and age structure.

The Sociodemographic Index (SDI): SDI is a composite measure that quantifies the level of sociodemographic development of a country or region. It is comparable across geographies and over time. The SDI is expressed on a scale from 0 to 1 and is calculated as the composite average of rankings for per capita income to average educational attainment to and to total fertility rates across all areas included in the GBD study. A value of 0 represents the lowest income per capita to lowest educational attainment to and highest fertility rate observed across all GBD geographies from 1970 to 2021 to while a value of 1 represents the highest income per capita to highest educational attainment to and lowest fertility rate.

Decomposition analysis: An analysis approach invented by Das Gupta to which summarize the contribution of various factors to the observed changes by algebraic isolation of the standardized impact of each contribution multiplication factor. Decomposing the epidemiological indicators of disease according to age structure to

population growth and epidemiologic changes can quantify the contribution of each of these factors to the overall effect.

Frontier analysis: frontier analysis is an analytic approach used to identify the lowest potentially achievable burden of NASH-associated liver cancer based on a country or region's level of development to as measured by the SDI. The frontier represents those countries or territories that are at the forefront of performance to achieving the lowest burden of NASH-associated liver cancer for their respective SDI. The distance from this frontier to termed the “effective difference to” reflects the gap between the observed burden and the theoretically achievable burden of disease for a country or region to given its SDI. This gap suggests an opportunity to reduce or eliminate the excess burden of disease based on the country or region’s sociodemographic resources. For instance, to if a country or territory falls significantly below the frontier for its SDI to this indicates an unrealized potential for reducing NASH-associated liver cancer deaths to which could be addressed through better utilization of available resources aligned with its development status.

Disability-adjusted life-years (DALYs): A measure that quantitates the overall burden of disease in terms of years of healthy life lost due to the disease. It represents the sum of years lost due to premature death and years living with disability due to the disease. The years of living with disability is weighted in proportion to the severity of the underlying disease.

Confidence interval (CI) and uncertainty intervals (UIs): Because the mean value of the real population is unknown to the range with upper and lower limits is calculated according to the samples to describe the possible value of the mean value to which is the mean CI. We used the 25th and 975th ordinal 1000 draw values of the posterior distribution to generate UIs.

Country/Region Groupings Used in This Study to Including SDI Countries and GBD Regions

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
1	Global	0.666367819	Middle SDI
4	Southeast Asia, East Asia, and Oceania	0.696630914	Middle SDI
5	East Asia	0.722912119	High-middle SDI
6	China	0.71867919	High-middle SDI
7	Democratic People's Republic of Korea	0.56945513	Low-middle SDI
8	Taiwan (Province of China)	0.875139514	High SDI
9	Southeast Asia	0.64907177	Middle SDI
10	Cambodia	0.473999694	Low-middle SDI
11	Indonesia	0.657934796	Middle SDI
12	Lao People's Democratic Republic	0.489280726	Low-middle SDI
13	Malaysia	0.742552841	High-middle SDI
14	Maldives	0.657665453	Middle SDI
15	Myanmar	0.528492169	Low-middle SDI
16	Philippines	0.651920253	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
17	Sri Lanka	0.701371778	Middle SDI
18	Thailand	0.682657272	Middle SDI
19	Timor-Leste	0.450689053	Low SDI
20	Viet Nam	0.621620778	Middle SDI
21	Oceania	0.467359461	Low-middle SDI
22	Fiji	0.669068631	Middle SDI
23	Kiribati	0.525957502	Low-middle SDI
24	Marshall Islands	0.573524783	Low-middle SDI
25	Micronesia (Federated States of)	0.588012508	Low-middle SDI
26	Papua New Guinea	0.418098053	Low SDI
27	Samoa	0.592340278	Low-middle SDI
28	Solomon Islands	0.429541799	Low SDI
29	Tonga	0.629100964	Middle SDI
30	Vanuatu	0.472796337	Low-middle SDI
31	Central Europe, Eastern Europe, and Central Asia	0.768649142	High-middle SDI
32	Central Asia	0.674963478	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
33	Armenia	0.702496602	Middle SDI
34	Azerbaijan	0.695410598	Middle SDI
35	Georgia	0.733123642	High-middle SDI
36	Kazakhstan	0.718331647	High-middle SDI
37	Kyrgyzstan	0.609180728	Low-middle SDI
38	Mongolia	0.618744133	Low-middle SDI
39	Tajikistan	0.536613238	Low-middle SDI
40	Turkmenistan	0.683039569	Middle SDI
41	Uzbekistan	0.664964654	Middle SDI
42	Central Europe	0.795780357	High-middle SDI
43	Albania	0.706888685	Middle SDI
44	Bosnia and Herzegovina	0.72296408	High-middle SDI
45	Bulgaria	0.764641037	High-middle SDI
46	Croatia	0.799069214	High-middle SDI
47	Czechia	0.828510085	High SDI
48	Hungary	0.791024669	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
49	North Macedonia	0.750954677	High-middle SDI
50	Montenegro	0.796532951	High-middle SDI
51	Poland	0.812073312	High SDI
52	Romania	0.766321392	High-middle SDI
53	Serbia	0.79221264	High-middle SDI
54	Slovakia	0.808329132	High-middle SDI
55	Slovenia	0.842633141	High SDI
56	Eastern Europe	0.803414319	High-middle SDI
57	Belarus	0.784114127	High-middle SDI
58	Estonia	0.845787294	High SDI
59	Latvia	0.830715451	High SDI
60	Lithuania	0.857613278	High SDI
61	Republic of Moldova	0.732393345	High-middle SDI
62	Russian Federation	0.809111108	High-middle SDI
63	Ukraine	0.761045561	High-middle SDI
64	High-income	0.85286503	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
65	High-income Asia Pacific	0.877157409	High SDI
66	Brunei Darussalam	0.810288851	High SDI
67	Japan	0.871459701	High SDI
68	Republic of Korea	0.887195638	High SDI
69	Singapore	0.856235308	High SDI
70	Australasia	0.845644432	High SDI
71	Australia	0.844269408	High SDI
72	New Zealand	0.850145187	High SDI
73	Western Europe	0.848728514	High SDI
74	Andorra	0.869895393	High SDI
75	Austria	0.854558286	High SDI
76	Belgium	0.853674059	High SDI
77	Cyprus	0.835648571	High SDI
78	Denmark	0.897314038	High SDI
79	Finland	0.860244219	High SDI
80	France	0.837816091	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
81	Germany	0.903515704	High SDI
82	Greece	0.791882294	High-middle SDI
83	Iceland	0.874628639	High SDI
84	Ireland	0.873989853	High SDI
85	Israel	0.809091066	High-middle SDI
86	Italy	0.805537426	High-middle SDI
87	Luxembourg	0.884636327	High SDI
88	Malta	0.801853922	High-middle SDI
89	Netherlands	0.888375951	High SDI
90	Norway	0.916631633	High SDI
91	Portugal	0.745394909	High-middle SDI
92	Spain	0.76948336	High-middle SDI
93	Sweden	0.887384361	High SDI
94	Switzerland	0.933531726	High SDI
95	United Kingdom	0.858444983	High SDI
96	Southern Latin America	0.743029817	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
97	Argentina	0.733528396	High-middle SDI
98	Chile	0.770149297	High-middle SDI
99	Uruguay	0.721713499	High-middle SDI
100	High-income North America	0.86421664	High SDI
101	Canada	0.873181934	High SDI
102	United States of America	0.863243823	High SDI
103	Latin America and Caribbean	0.646195591	Middle SDI
104	Caribbean	0.6423146	Middle SDI
105	Antigua and Barbuda	0.749849952	High-middle SDI
106	Bahamas	0.805143711	High-middle SDI
107	Barbados	0.74706542	High-middle SDI
108	Belize	0.61055234	Low-middle SDI
109	Cuba	0.669331767	Middle SDI
110	Dominica	0.747381853	High-middle SDI
111	Dominican Republic	0.619170694	Middle SDI
112	Grenada	0.6693506	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
113	Guyana	0.650902479	Middle SDI
114	Haiti	0.448751017	Low SDI
115	Jamaica	0.68306364	Middle SDI
116	Saint Lucia	0.672601687	Middle SDI
117	Saint Vincent and the Grenadines	0.640886762	Middle SDI
118	Suriname	0.641162711	Middle SDI
119	Trinidad and Tobago	0.769401094	High-middle SDI
120	Andean Latin America	0.654007956	Middle SDI
121	Bolivia (Plurinational State of)	0.604496662	Low-middle SDI
122	Ecuador	0.665675436	Middle SDI
123	Peru	0.662036006	Middle SDI
124	Central Latin America	0.641931122	Middle SDI
125	Colombia	0.65664043	Middle SDI
126	Costa Rica	0.704369665	Middle SDI
127	El Salvador	0.565569678	Low-middle SDI
128	Guatemala	0.540099007	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
129	Honduras	0.513585699	Low-middle SDI
130	Mexico	0.66496867	Middle SDI
131	Nicaragua	0.52364671	Low-middle SDI
132	Panama	0.706659844	Middle SDI
133	Venezuela (Bolivarian Republic of)	0.596599587	Low-middle SDI
134	Tropical Latin America	0.648941531	Middle SDI
135	Brazil	0.648846512	Middle SDI
136	Paraguay	0.650487525	Middle SDI
137	North Africa and Middle East	0.658716072	Middle SDI
138	North Africa and Middle East	0.658716072	Middle SDI
139	Algeria	0.659720087	Middle SDI
140	Bahrain	0.752218099	High-middle SDI
141	Egypt	0.603962121	Low-middle SDI
142	Iran (Islamic Republic of)	0.69729326	Middle SDI
143	Iraq	0.662777495	Middle SDI
144	Jordan	0.725420238	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
145	Kuwait	0.846802486	High SDI
146	Lebanon	0.741226017	High-middle SDI
147	Libya	0.73508433	High-middle SDI
148	Morocco	0.561680434	Low-middle SDI
149	Palestine	0.629201641	Middle SDI
150	Oman	0.773801229	High-middle SDI
151	Qatar	0.846704498	High SDI
152	Saudi Arabia	0.814515567	High SDI
153	Syrian Arab Republic	0.622855859	Middle SDI
154	Tunisia	0.681701488	Middle SDI
155	Turkey	0.713246106	High-middle SDI
156	United Arab Emirates	0.849740335	High SDI
157	Yemen	0.453539967	Low SDI
158	South Asia	0.559642669	Low-middle SDI
159	South Asia	0.559642669	Low-middle SDI
160	Afghanistan	0.335068107	Low SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
161	Bangladesh	0.493106236	Low-middle SDI
162	Bhutan	0.476724988	Low-middle SDI
163	India	0.5777383	Low-middle SDI
164	Nepal	0.433952916	Low SDI
165	Pakistan	0.504275856	Low-middle SDI
166	Sub-Saharan Africa	0.461224007	Low SDI
167	Central Sub-Saharan Africa	0.484517732	Low-middle SDI
168	Angola	0.482946052	Low-middle SDI
169	Central African Republic	0.311026626	Low SDI
170	Congo	0.586908906	Low-middle SDI
171	Democratic Republic of the Congo	0.390178166	Low SDI
172	Equatorial Guinea	0.663978286	Middle SDI
173	Gabon	0.639080604	Middle SDI
174	Eastern Sub-Saharan Africa	0.412187942	Low SDI
175	Burundi	0.291288817	Low SDI
176	Comoros	0.476955685	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
177	Djibouti	0.489200321	Low-middle SDI
178	Eritrea	0.404572056	Low SDI
179	Ethiopia	0.360727644	Low SDI
180	Kenya	0.524783146	Low-middle SDI
181	Madagascar	0.401385119	Low SDI
182	Malawi	0.381985594	Low SDI
183	Mauritius	0.717977109	High-middle SDI
184	Mozambique	0.327475463	Low SDI
185	Rwanda	0.436140248	Low SDI
186	Seychelles	0.727579445	High-middle SDI
187	Somalia	0.077433678	Low SDI
189	United Republic of Tanzania	0.448565569	Low SDI
190	Uganda	0.426553554	Low SDI
191	Zambia	0.510230369	Low-middle SDI
192	Southern Sub-Saharan Africa	0.643347819	Middle SDI
193	Botswana	0.643077969	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
194	Lesotho	0.51157061	Low-middle SDI
195	Namibia	0.618073651	Low-middle SDI
196	South Africa	0.681292244	Middle SDI
197	Eswatini	0.586216849	Low-middle SDI
198	Zimbabwe	0.475577138	Low-middle SDI
199	Western Sub-Saharan Africa	0.446420999	Low SDI
200	Benin	0.37452237	Low SDI
201	Burkina Faso	0.284470947	Low SDI
202	Cameroon	0.480364523	Low-middle SDI
203	Cabo Verde	0.533600978	Low-middle SDI
204	Chad	0.243516859	Low SDI
205	Côte d'Ivoire	0.424540566	Low SDI
206	Gambia	0.410077462	Low SDI
207	Ghana	0.563348184	Low-middle SDI
208	Guinea	0.336555329	Low SDI
209	Guinea-Bissau	0.353448423	Low SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
210	Liberia	0.353229409	Low SDI
211	Mali	0.271175692	Low SDI
212	Mauritania	0.495266784	Low-middle SDI
213	Niger	0.170310328	Low SDI
214	Nigeria	0.503698612	Low-middle SDI
215	Sao Tome and Principe	0.503305577	Low-middle SDI
216	Senegal	0.409005254	Low SDI
217	Sierra Leone	0.35900867	Low SDI
218	Togo	0.410016394	Low SDI
298	American Samoa	0.726267628	High-middle SDI
305	Bermuda	0.821319794	High SDI
320	Cook Islands	0.778251758	High-middle SDI
349	Greenland	0.835640003	High SDI
351	Guam	0.80216771	High-middle SDI
354	Hong Kong Special Administrative Region of China	0.850450848	High SDI
361	Macao Special Administrative Region of China	0.874759481	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
367	Monaco	0.909519124	High SDI
369	Nauru	0.627549782	Middle SDI
374	Niue	0.72621855	High-middle SDI
376	Northern Mariana Islands	0.777504838	High-middle SDI
380	Palau	0.754590186	High-middle SDI
385	Puerto Rico	0.824543903	High SDI
393	Saint Kitts and Nevis	0.756332641	High-middle SDI
396	San Marino	0.887883596	High SDI
413	Tokelau	0.68701842	Middle SDI
416	Tuvalu	0.578627145	Low-middle SDI
422	United States Virgin Islands	0.822988043	High SDI
433	Northern Ireland	0.841529955	High SDI
434	Scotland	0.853887319	High SDI
435	South Sudan	0.278377554	Low SDI
482	Eastern Cape	0.619101287	Middle SDI
483	Free State	0.678893967	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
484	Gauteng	0.736905342	High-middle SDI
485	KwaZulu-Natal	0.662386215	Middle SDI
486	Limpopo	0.613431617	Low-middle SDI
487	Mpumalanga	0.648324523	Middle SDI
488	North-West	0.654616033	Middle SDI
489	Northern Cape	0.665813245	Middle SDI
490	Western Cape	0.719732052	High-middle SDI
491	Anhui	0.661241263	Middle SDI
492	Beijing	0.845876468	High SDI
493	Chongqing	0.713248108	High-middle SDI
494	Fujian	0.715426566	High-middle SDI
495	Gansu	0.629648423	Middle SDI
496	Guangdong	0.766590014	High-middle SDI
497	Guangxi	0.677747142	Middle SDI
498	Guizhou	0.622926981	Middle SDI
499	Hainan	0.70526301	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
500	Hebei	0.703535825	Middle SDI
501	Heilongjiang	0.712062797	High-middle SDI
502	Henan	0.699479878	Middle SDI
503	Hubei	0.711832348	Middle SDI
504	Hunan	0.692120518	Middle SDI
505	Inner Mongolia	0.731684517	High-middle SDI
506	Jiangsu	0.755114988	High-middle SDI
507	Jiangxi	0.678215672	Middle SDI
508	Jilin	0.735628033	High-middle SDI
509	Liaoning	0.744555054	High-middle SDI
510	Ningxia	0.695319453	Middle SDI
511	Qinghai	0.648309483	Middle SDI
512	Shaanxi	0.724147628	High-middle SDI
513	Shandong	0.725623497	High-middle SDI
514	Shanghai	0.828661817	High SDI
515	Shanxi	0.711816196	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
516	Sichuan	0.672696014	Middle SDI
517	Tianjin	0.833804693	High SDI
518	Tibet	0.483893412	Low-middle SDI
519	Xinjiang	0.70686651	Middle SDI
520	Yunnan	0.627205795	Middle SDI
521	Zhejiang	0.742041363	High-middle SDI
522	Sudan	0.542748299	Low-middle SDI
523	Alabama	0.826417909	High SDI
524	Alaska	0.857125567	High SDI
525	Arizona	0.847683473	High SDI
526	Arkansas	0.816754461	High SDI
527	California	0.871090459	High SDI
528	Colorado	0.875986347	High SDI
529	Connecticut	0.901972117	High SDI
530	Delaware	0.866079256	High SDI
531	District of Columbia	0.907426863	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
532	Florida	0.861825164	High SDI
533	Georgia	0.847268118	High SDI
534	Hawaii	0.87084045	High SDI
535	Idaho	0.836495322	High SDI
536	Illinois	0.880611434	High SDI
537	Indiana	0.844050669	High SDI
538	Iowa	0.864342086	High SDI
539	Kansas	0.858890931	High SDI
540	Kentucky	0.821720983	High SDI
541	Louisiana	0.826669718	High SDI
542	Maine	0.866792716	High SDI
543	Maryland	0.891055635	High SDI
544	Massachusetts	0.90725037	High SDI
545	Michigan	0.864940748	High SDI
546	Minnesota	0.887884435	High SDI
547	Mississippi	0.811867151	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
548	Missouri	0.849044295	High SDI
549	Montana	0.859517184	High SDI
550	Nebraska	0.865629234	High SDI
551	Nevada	0.847864111	High SDI
552	New Hampshire	0.898526447	High SDI
553	New Jersey	0.891850577	High SDI
554	New Mexico	0.832846305	High SDI
555	New York	0.88592619	High SDI
556	North Carolina	0.846173734	High SDI
557	North Dakota	0.876134627	High SDI
558	Ohio	0.851227042	High SDI
559	Oklahoma	0.82814491	High SDI
560	Oregon	0.870189511	High SDI
561	Pennsylvania	0.873950359	High SDI
562	Rhode Island	0.884283653	High SDI
563	South Carolina	0.838586487	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
564	South Dakota	0.856263782	High SDI
565	Tennessee	0.831968835	High SDI
566	Texas	0.836777383	High SDI
567	Utah	0.854829295	High SDI
568	Vermont	0.89152237	High SDI
569	Virginia	0.881907315	High SDI
570	Washington	0.878013634	High SDI
571	West Virginia	0.82033351	High SDI
572	Wisconsin	0.873095963	High SDI
573	Wyoming	0.863142903	High SDI
4618	North East England	0.825842759	High SDI
4619	North West England	0.843295382	High SDI
4620	Yorkshire and the Humber	0.836407087	High SDI
4621	East Midlands	0.835023214	High SDI
4622	West Midlands	0.834648192	High SDI
4623	East of England	0.85577408	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4624	Greater London	0.9041535	High SDI
4625	South East England	0.875365568	High SDI
4626	South West England	0.860849638	High SDI
4636	Wales	0.833274667	High SDI
4643	Aguascalientes	0.682557435	Middle SDI
4644	Baja California	0.704776585	Middle SDI
4645	Baja California Sur	0.710175355	Middle SDI
4646	Campeche	0.665087938	Middle SDI
4647	Coahuila	0.678075116	Middle SDI
4648	Colima	0.699338436	Middle SDI
4649	Chiapas	0.569756592	Low-middle SDI
4650	Chihuahua	0.674472052	Middle SDI
4651	Mexico City	0.759378377	High-middle SDI
4652	Durango	0.640562517	Middle SDI
4653	Guanajuato	0.647044734	Middle SDI
4654	Guerrero	0.584126986	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4655	Hidalgo	0.633128071	Middle SDI
4656	Jalisco	0.677078025	Middle SDI
4657	México	0.681505383	Middle SDI
4658	Michoacán de Ocampo	0.613949206	Low-middle SDI
4659	Morelos	0.670104932	Middle SDI
4660	Nayarit	0.657928691	Middle SDI
4661	Nuevo León	0.712152517	High-middle SDI
4662	Oaxaca	0.588389144	Low-middle SDI
4663	Puebla	0.622884968	Middle SDI
4664	Querétaro	0.684048164	Middle SDI
4665	Quintana Roo	0.682591131	Middle SDI
4666	San Luis Potosí	0.647579585	Middle SDI
4667	Sinaloa	0.678348037	Middle SDI
4668	Sonora	0.709903997	Middle SDI
4669	Tabasco	0.649850519	Middle SDI
4670	Tamaulipas	0.682912198	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4671	Tlaxcala	0.64898896	Middle SDI
4672	Veracruz de Ignacio de la Llave	0.627366789	Middle SDI
4673	Yucatán	0.654459012	Middle SDI
4674	Zacatecas	0.636670528	Middle SDI
4709	Aceh	0.671759479	Middle SDI
4710	North Sumatra	0.669499052	Middle SDI
4711	West Sumatra	0.66784543	Middle SDI
4712	Riau	0.724215125	High-middle SDI
4713	Jambi	0.640779478	Middle SDI
4714	South Sumatra	0.646421244	Middle SDI
4715	Bengkulu	0.613885329	Low-middle SDI
4716	Lampung	0.60891275	Low-middle SDI
4717	Bangka-Belitung Islands	0.644388463	Middle SDI
4718	Riau Islands	0.749803315	High-middle SDI
4719	North Kalimantan	0.754016402	High-middle SDI
4720	Jakarta	0.801237549	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4721	West Java	0.644279321	Middle SDI
4722	Central Java	0.613780247	Low-middle SDI
4723	Yogyakarta	0.676829859	Middle SDI
4724	East Java	0.646540022	Middle SDI
4725	Banten	0.641544087	Middle SDI
4726	Bali	0.652382779	Middle SDI
4727	West Nusa Tenggara	0.587663369	Low-middle SDI
4728	East Nusa Tenggara	0.550545868	Low-middle SDI
4729	West Kalimantan	0.587438981	Low-middle SDI
4730	Central Kalimantan	0.639931265	Middle SDI
4731	South Kalimantan	0.622221912	Middle SDI
4732	East Kalimantan	0.761652368	High-middle SDI
4733	North Sulawesi	0.652614588	Middle SDI
4734	Central Sulawesi	0.617544908	Low-middle SDI
4735	South Sulawesi	0.622994177	Middle SDI
4736	Southeast Sulawesi	0.618324728	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4737	Gorontalo	0.571050074	Low-middle SDI
4738	West Sulawesi	0.576458969	Low-middle SDI
4739	Maluku	0.581624279	Low-middle SDI
4740	North Maluku	0.563444978	Low-middle SDI
4741	West Papua	0.676555222	Middle SDI
4742	Papua	0.646553603	Middle SDI
4749	England	0.860552694	High SDI
4750	Acre	0.562074727	Low-middle SDI
4751	Alagoas	0.529742892	Low-middle SDI
4752	Amazonas	0.603585976	Low-middle SDI
4753	Amapá	0.629807813	Middle SDI
4754	Bahia	0.574142222	Low-middle SDI
4755	Ceará	0.563912693	Low-middle SDI
4756	Distrito Federal	0.776152007	High-middle SDI
4757	Espírito Santo	0.667428625	Middle SDI
4758	Goiás	0.639347711	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4759	Maranhão	0.49216193	Low-middle SDI
4760	Minas Gerais	0.648904701	Middle SDI
4761	Mato Grosso do Sul	0.642693307	Middle SDI
4762	Mato Grosso	0.647043759	Middle SDI
4763	Pará	0.577314362	Low-middle SDI
4764	Paraíba	0.557922296	Low-middle SDI
4765	Paraná	0.669860641	Middle SDI
4766	Pernambuco	0.583214758	Low-middle SDI
4767	Piauí	0.520291625	Low-middle SDI
4768	Rio de Janeiro	0.710470527	Middle SDI
4769	Rio Grande do Norte	0.585328241	Low-middle SDI
4770	Rondônia	0.618510473	Low-middle SDI
4771	Roraima	0.609883228	Low-middle SDI
4772	Rio Grande do Sul	0.689722837	Middle SDI
4773	Santa Catarina	0.694839624	Middle SDI
4774	Sergipe	0.590589987	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4775	São Paulo	0.711182598	Middle SDI
4776	Tocantins	0.601403	Low-middle SDI
4841	Andhra Pradesh	0.552472881	Low-middle SDI
4842	Arunachal Pradesh	0.585180701	Low-middle SDI
4843	Assam	0.573442541	Low-middle SDI
4844	Bihar	0.45805086	Low SDI
4846	Chhattisgarh	0.540359862	Low-middle SDI
4849	Delhi	0.728650031	High-middle SDI
4850	Goa	0.724320503	High-middle SDI
4851	Gujarat	0.622975241	Middle SDI
4852	Haryana	0.629602575	Middle SDI
4853	Himachal Pradesh	0.643033305	Middle SDI
4854	Jammu & Kashmir and Ladakh	0.609583681	Low-middle SDI
4855	Jharkhand	0.5242297	Low-middle SDI
4856	Karnataka	0.585910724	Low-middle SDI
4857	Kerala	0.666417241	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4859	Madhya Pradesh	0.531115567	Low-middle SDI
4860	Maharashtra	0.639494993	Middle SDI
4861	Manipur	0.584558179	Low-middle SDI
4862	Meghalaya	0.560405068	Low-middle SDI
4863	Mizoram	0.62843683	Middle SDI
4864	Nagaland	0.637648412	Middle SDI
4865	Odisha	0.551364782	Low-middle SDI
4867	Punjab	0.632901572	Middle SDI
4868	Rajasthan	0.536745684	Low-middle SDI
4869	Sikkim	0.635190296	Middle SDI
4870	Tamil Nadu	0.629914474	Middle SDI
4871	Telangana	0.567480596	Low-middle SDI
4872	Tripura	0.555782348	Low-middle SDI
4873	Uttar Pradesh	0.527579329	Low-middle SDI
4874	Uttarakhand	0.661804198	Middle SDI
4875	West Bengal	0.556791581	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
4910	Oslo	0.947286104	High SDI
4920	Rogaland	0.916764681	High SDI
4923	Møre og Romsdal	0.908149197	High SDI
4926	Nordland	0.898213885	High SDI
4940	Sweden except Stockholm	0.875759008	High SDI
4944	Stockholm	0.916765403	High SDI
25318	Abia	0.629261465	Middle SDI
25319	Adamawa	0.474621913	Low-middle SDI
25320	Akwa Ibom	0.589407255	Low-middle SDI
25321	Anambra	0.62862687	Middle SDI
25322	Bauchi	0.294070246	Low SDI
25323	Bayelsa	0.558802657	Low-middle SDI
25324	Benue	0.49859261	Low-middle SDI
25325	Borno	0.398589587	Low SDI
25326	Cross River	0.562249026	Low-middle SDI
25327	Delta	0.614789164	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
25328	Ebonyi	0.540874531	Low-middle SDI
25329	Edo	0.6270757	Middle SDI
25330	Ekiti	0.609689218	Low-middle SDI
25331	Enugu	0.60872942	Low-middle SDI
25332	FCT (Abuja)	0.621406693	Middle SDI
25333	Gombe	0.379904259	Low SDI
25334	Imo	0.629384576	Middle SDI
25335	Jigawa	0.287216991	Low SDI
25336	Kaduna	0.442437011	Low SDI
25337	Kano	0.408256207	Low SDI
25338	Katsina	0.297115378	Low SDI
25339	Kebbi	0.284501095	Low SDI
25340	Kogi	0.560608509	Low-middle SDI
25341	Kwara	0.536539828	Low-middle SDI
25342	Lagos	0.679573249	Middle SDI
25343	Nasarawa	0.518505244	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
25344	Niger	0.42518919	Low SDI
25345	Ogun	0.569648186	Low-middle SDI
25346	Ondo	0.592384037	Low-middle SDI
25347	Osun	0.627939478	Middle SDI
25348	Oyo	0.584428907	Low-middle SDI
25349	Plateau	0.530865998	Low-middle SDI
25350	Rivers	0.638605802	Middle SDI
25351	Sokoto	0.254081326	Low SDI
25352	Taraba	0.438659637	Low SDI
25353	Yobe	0.312002634	Low SDI
25354	Zamfara	0.267800369	Low SDI
35424	Hokkaidō	0.844008657	High SDI
35425	Aomori	0.828693902	High SDI
35426	Iwate	0.835652812	High SDI
35427	Miyagi	0.860058983	High SDI
35428	Akita	0.832380775	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35429	Yamagata	0.838535343	High SDI
35430	Fukushima	0.841218485	High SDI
35431	Ibaraki	0.860523394	High SDI
35432	Tochigi	0.861256293	High SDI
35433	Gunma	0.861770439	High SDI
35434	Saitama	0.85655373	High SDI
35435	Chiba	0.861645419	High SDI
35436	Tōkyō	0.929043198	High SDI
35437	Kanagawa	0.882743596	High SDI
35438	Niigata	0.845233683	High SDI
35439	Toyama	0.865453766	High SDI
35440	Ishikawa	0.860214615	High SDI
35441	Fukui	0.856579697	High SDI
35442	Yamanashi	0.858173518	High SDI
35443	Nagano	0.858966672	High SDI
35444	Gifu	0.853447894	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35445	Shizuoka	0.865720709	High SDI
35446	Aichi	0.883329296	High SDI
35447	Mie	0.860795402	High SDI
35448	Shiga	0.874377981	High SDI
35449	Kyōto	0.876288854	High SDI
35450	Ōsaka	0.876433199	High SDI
35451	Hyōgo	0.868490782	High SDI
35452	Nara	0.851417382	High SDI
35453	Wakayama	0.847330156	High SDI
35454	Tottori	0.836091465	High SDI
35455	Shimane	0.838873648	High SDI
35456	Okayama	0.862350161	High SDI
35457	Hiroshima	0.870170469	High SDI
35458	Yamaguchi	0.856635725	High SDI
35459	Tokushima	0.85729815	High SDI
35460	Kagawa	0.857948449	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35461	Ehime	0.843779842	High SDI
35462	Kōchi	0.835890247	High SDI
35463	Fukuoka	0.858415047	High SDI
35464	Saga	0.835872528	High SDI
35465	Nagasaki	0.829106338	High SDI
35466	Kumamoto	0.834728198	High SDI
35467	Ōita	0.848715974	High SDI
35468	Miyazaki	0.826768586	High SDI
35469	Kagoshima	0.832472168	High SDI
35470	Okinawa	0.821640127	High SDI
35494	Piemonte	0.806813454	High-middle SDI
35495	Valle d'Aosta	0.812706016	High SDI
35496	Liguria	0.821521126	High SDI
35497	Lombardia	0.829091495	High SDI
35498	Provincia autonoma di Bolzano	0.838907386	High SDI
35499	Provincia autonoma di Trento	0.829531919	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35500	Veneto	0.808196606	High-middle SDI
35501	Friuli-Venezia Giulia	0.819858092	High SDI
35502	Emilia-Romagna	0.829695157	High SDI
35503	Toscana	0.811485035	High SDI
35504	Umbria	0.799092255	High-middle SDI
35505	Marche	0.803749028	High-middle SDI
35506	Lazio	0.827195546	High SDI
35507	Abruzzo	0.816496827	High SDI
35508	Molise	0.787791453	High-middle SDI
35509	Campania	0.766832076	High-middle SDI
35510	Puglia	0.763946911	High-middle SDI
35511	Basilicata	0.783798467	High-middle SDI
35512	Calabria	0.775304844	High-middle SDI
35513	Sicilia	0.76255912	High-middle SDI
35514	Sardegna	0.772644153	High-middle SDI
35617	Baringo	0.514621991	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35618	Bomet	0.530035509	Low-middle SDI
35619	Bungoma	0.488274636	Low-middle SDI
35620	Busia	0.478169739	Low-middle SDI
35621	Elgeyo-Marakwet	0.525285148	Low-middle SDI
35622	Embu	0.548377806	Low-middle SDI
35623	Garissa	0.32165019	Low SDI
35624	Homa Bay	0.507694781	Low-middle SDI
35625	Isiolo	0.435133975	Low SDI
35626	Kajiado	0.501634865	Low-middle SDI
35627	Kakamega	0.508518514	Low-middle SDI
35628	Kericho	0.520411743	Low-middle SDI
35629	Kiambu	0.593046232	Low-middle SDI
35630	Kilifi	0.486686815	Low-middle SDI
35631	Kirinyaga	0.546740689	Low-middle SDI
35632	Kisii	0.549398782	Low-middle SDI
35633	Kisumu	0.548720604	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35634	Kitui	0.474177297	Low-middle SDI
35635	Kwale	0.47965716	Low-middle SDI
35636	Laikipia	0.576686523	Low-middle SDI
35637	Lamu	0.505575183	Low-middle SDI
35638	Machakos	0.55015778	Low-middle SDI
35639	Makueni	0.514230695	Low-middle SDI
35640	Mandera	0.239926734	Low SDI
35641	Marsabit	0.399976958	Low SDI
35642	Meru	0.509152437	Low-middle SDI
35643	Migori	0.482207014	Low-middle SDI
35644	Mombasa	0.598166665	Low-middle SDI
35645	Murang'a	0.55292203	Low-middle SDI
35646	Nairobi	0.684188978	Middle SDI
35647	Nakuru	0.5721094	Low-middle SDI
35648	Nandi	0.516039708	Low-middle SDI
35649	Narok	0.458227005	Low SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
35650	Nyamira	0.593029203	Low-middle SDI
35651	Nyandarua	0.577540201	Low-middle SDI
35652	Nyeri	0.579362636	Low-middle SDI
35653	Samburu	0.371475608	Low SDI
35654	Siaya	0.484421932	Low-middle SDI
35655	Taita Taveta	0.542579215	Low-middle SDI
35656	Tana River	0.389358757	Low SDI
35657	Tharaka Nithi	0.528624517	Low-middle SDI
35658	Trans Nzoia	0.549784994	Low-middle SDI
35659	Turkana	0.3683857	Low SDI
35660	Uasin Gishu	0.567922916	Low-middle SDI
35661	Vihiga	0.527054687	Low-middle SDI
35662	Wajir	0.258713923	Low SDI
35663	West Pokot	0.44769021	Low SDI
43872	Andhra Pradesh, Urban	0.647551072	Middle SDI
43873	Arunachal Pradesh, Urban	0.68419449	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
43874	Assam, Urban	0.675446354	Middle SDI
43875	Bihar, Urban	0.591183966	Low-middle SDI
43877	Chhattisgarh, Urban	0.679763349	Middle SDI
43880	Delhi, Urban	0.730151189	High-middle SDI
43881	Goa, Urban	0.741223296	High-middle SDI
43882	Gujarat, Urban	0.703282867	Middle SDI
43883	Haryana, Urban	0.703932889	Middle SDI
43884	Himachal Pradesh, Urban	0.748161993	High-middle SDI
43885	Jammu & Kashmir and Ladakh, Urban	0.684343769	Middle SDI
43886	Jharkhand, Urban	0.670458961	Middle SDI
43887	Karnataka, Urban	0.658831954	Middle SDI
43888	Kerala, Urban	0.672698917	Middle SDI
43890	Madhya Pradesh, Urban	0.675329604	Middle SDI
43891	Maharashtra, Urban	0.705231591	Middle SDI
43892	Manipur, Urban	0.632756357	Middle SDI
43893	Meghalaya, Urban	0.685725867	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
43894	Mizoram, Urban	0.670528706	Middle SDI
43895	Nagaland, Urban	0.691617405	Middle SDI
43896	Odisha, Urban	0.657514066	Middle SDI
43898	Punjab, Urban	0.698430939	Middle SDI
43899	Rajasthan, Urban	0.671757713	Middle SDI
43900	Sikkim, Urban	0.695740102	Middle SDI
43901	Tamil Nadu, Urban	0.676173806	Middle SDI
43902	Telangana, Urban	0.667241582	Middle SDI
43903	Tripura, Urban	0.633348097	Middle SDI
43904	Uttar Pradesh, Urban	0.63211101	Middle SDI
43905	Uttarakhand, Urban	0.746776963	High-middle SDI
43906	West Bengal, Urban	0.6493937	Middle SDI
43908	Andhra Pradesh, Rural	0.495920251	Low-middle SDI
43909	Arunachal Pradesh, Rural	0.549469207	Low-middle SDI
43910	Assam, Rural	0.551639812	Low-middle SDI
43911	Bihar, Rural	0.434277772	Low SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
43913	Chhattisgarh, Rural	0.486779046	Low-middle SDI
43916	Delhi, Rural	0.655467765	Middle SDI
43917	Goa, Rural	0.687517157	Middle SDI
43918	Gujarat, Rural	0.549296846	Low-middle SDI
43919	Haryana, Rural	0.579178153	Low-middle SDI
43920	Himachal Pradesh, Rural	0.629512224	Middle SDI
43921	Jammu & Kashmir and Ladakh, Rural	0.572664356	Low-middle SDI
43922	Jharkhand, Rural	0.463971644	Low SDI
43923	Karnataka, Rural	0.526848679	Low-middle SDI
43924	Kerala, Rural	0.659487084	Middle SDI
43926	Madhya Pradesh, Rural	0.464482329	Low SDI
43927	Maharashtra, Rural	0.574895865	Low-middle SDI
43928	Manipur, Rural	0.560840633	Low-middle SDI
43929	Meghalaya, Rural	0.519625901	Low-middle SDI
43930	Mizoram, Rural	0.57456484	Low-middle SDI
43931	Nagaland, Rural	0.600219084	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
43932	Odisha, Rural	0.520670909	Low-middle SDI
43934	Punjab, Rural	0.585512634	Low-middle SDI
43935	Rajasthan, Rural	0.478194737	Low-middle SDI
43936	Sikkim, Rural	0.593976905	Low-middle SDI
43937	Tamil Nadu, Rural	0.580536414	Low-middle SDI
43938	Telangana, Rural	0.483176983	Low-middle SDI
43939	Tripura, Rural	0.515999282	Low-middle SDI
43940	Uttar Pradesh, Rural	0.490024946	Low-middle SDI
43941	Uttarakhand, Rural	0.61464175	Low-middle SDI
43942	West Bengal, Rural	0.502428983	Low-middle SDI
44533	China (without Hong Kong and Macao)	0.717406624	High-middle SDI
44538	Other Union Territories	0.676062684	Middle SDI
44539	Other Union Territories, Rural	0.601933292	Low-middle SDI
44540	Other Union Territories, Urban	0.708204745	Middle SDI
44643	Darlington	0.835427723	High SDI
44644	Northumberland	0.822333819	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44645	Stockton-on-Tees	0.829517602	High SDI
44646	Newcastle upon Tyne	0.871588115	High SDI
44647	North Tyneside	0.835247504	High SDI
44648	Redcar and Cleveland	0.796360243	High-middle SDI
44649	County Durham	0.810754624	High SDI
44650	Gateshead	0.828579746	High SDI
44651	Middlesbrough	0.798976656	High-middle SDI
44652	South Tyneside	0.799489743	High-middle SDI
44653	Sunderland	0.817933435	High SDI
44654	Hartlepool	0.797297174	High-middle SDI
44655	Cheshire East	0.884278805	High SDI
44656	Stockport	0.861014705	High SDI
44657	Trafford	0.896679044	High SDI
44658	Cheshire West and Chester	0.870242062	High SDI
44659	Sefton	0.825438177	High SDI
44660	Lancashire	0.839626361	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44661	Cumbria	0.842325739	High SDI
44662	Bolton	0.812595954	High SDI
44663	Wirral	0.818111684	High SDI
44664	Bury	0.828816843	High SDI
44665	St Helens	0.810914124	High SDI
44666	Warrington	0.878129342	High SDI
44667	Oldham	0.796704511	High-middle SDI
44668	Rochdale	0.800322186	High-middle SDI
44669	Wigan	0.80548334	High-middle SDI
44670	Halton	0.835687566	High SDI
44671	Liverpool	0.847483043	High SDI
44672	Tameside	0.798557943	High-middle SDI
44673	Salford	0.837393179	High SDI
44674	Blackburn with Darwen	0.810134059	High SDI
44675	Knowsley	0.811985259	High SDI
44676	Blackpool	0.788904606	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44677	Manchester	0.88057256	High SDI
44678	North Yorkshire	0.855520996	High SDI
44679	East Riding of Yorkshire	0.835193656	High SDI
44680	York	0.888110353	High SDI
44681	North East Lincolnshire	0.803563778	High-middle SDI
44682	Calderdale	0.836996359	High SDI
44683	North Lincolnshire	0.824582845	High SDI
44684	Bradford	0.814923693	High SDI
44685	Kirklees	0.823525465	High SDI
44686	Leeds	0.86787974	High SDI
44687	Sheffield	0.854247178	High SDI
44688	Wakefield	0.804506533	High-middle SDI
44689	Rotherham	0.803331209	High-middle SDI
44690	Doncaster	0.793628472	High-middle SDI
44691	Kingston upon Hull, City of	0.797611011	High-middle SDI
44692	Barnsley	0.788111758	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44693	Northamptonshire	0.839033237	High SDI
44694	Leicestershire	0.851100665	High SDI
44695	Lincolnshire	0.820522815	High SDI
44696	Rutland	0.852195785	High SDI
44697	Derby	0.844076935	High SDI
44698	Derbyshire	0.823174583	High SDI
44699	Nottinghamshire	0.822432787	High SDI
44700	Nottingham	0.858455251	High SDI
44701	Leicester	0.828051202	High SDI
44702	Warwickshire	0.865693767	High SDI
44703	Herefordshire, County of	0.846194561	High SDI
44704	Solihull	0.871566638	High SDI
44705	Shropshire	0.842380445	High SDI
44706	Worcestershire	0.842681308	High SDI
44707	Staffordshire	0.828181727	High SDI
44708	Dudley	0.802585915	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44709	Coventry	0.847335743	High SDI
44710	Telford and Wrekin	0.826093832	High SDI
44711	Stoke-on-Trent	0.796441727	High-middle SDI
44712	Walsall	0.790654736	High-middle SDI
44713	Wolverhampton	0.810887602	High SDI
44714	Birmingham	0.836949232	High SDI
44715	Sandwell	0.793668776	High-middle SDI
44716	Bedford	0.856962284	High SDI
44717	Central Bedfordshire	0.851318833	High SDI
44718	Suffolk	0.840388992	High SDI
44719	Hertfordshire	0.886963263	High SDI
44720	Essex	0.844953071	High SDI
44721	Cambridgeshire	0.887630336	High SDI
44722	Thurrock	0.818629818	High SDI
44723	Norfolk	0.836988602	High SDI
44724	Southend-on-Sea	0.825018651	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44725	Peterborough	0.837008458	High SDI
44726	Luton	0.838003231	High SDI
44727	Richmond upon Thames	0.932021729	High SDI
44728	Kensington and Chelsea	0.946366051	High SDI
44729	Barnet	0.885110546	High SDI
44730	Westminster	0.93701032	High SDI
44731	Bromley	0.869193749	High SDI
44732	Bexley	0.844097911	High SDI
44733	Redbridge	0.849278219	High SDI
44734	Merton	0.887252238	High SDI
44735	Brent	0.858683624	High SDI
44736	Hillingdon	0.892536477	High SDI
44737	Havering	0.834176853	High SDI
44738	Kingston upon Thames	0.908394132	High SDI
44739	Sutton	0.857530229	High SDI
44740	Harrow	0.858244679	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44741	Enfield	0.845516817	High SDI
44742	Croydon	0.851439949	High SDI
44743	Hammersmith and Fulham	0.934892187	High SDI
44744	Ealing	0.882007048	High SDI
44745	Greenwich	0.845443655	High SDI
44746	Wandsworth	0.924121015	High SDI
44747	Waltham Forest	0.840038834	High SDI
44748	Camden	0.936076172	High SDI
44749	Lambeth	0.916015975	High SDI
44750	Lewisham	0.85672931	High SDI
44751	Hounslow	0.896360928	High SDI
44752	Southwark	0.919165412	High SDI
44753	Newham	0.840477768	High SDI
44754	Barking and Dagenham	0.80642649	High-middle SDI
44755	Haringey	0.8714663	High SDI
44756	Hackney	0.891329222	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44757	Islington	0.924302624	High SDI
44758	Tower Hamlets	0.903700654	High SDI
44759	Wokingham	0.910821902	High SDI
44760	Buckinghamshire	0.888192339	High SDI
44761	Surrey	0.904483995	High SDI
44762	Windsor and Maidenhead	0.915543426	High SDI
44763	West Berkshire	0.897124589	High SDI
44764	Hampshire	0.87199888	High SDI
44765	Bracknell Forest	0.890716234	High SDI
44766	West Sussex	0.863885895	High SDI
44767	Oxfordshire	0.899135231	High SDI
44768	Reading	0.90527187	High SDI
44769	Kent	0.844500542	High SDI
44770	Brighton and Hove	0.897901251	High SDI
44771	Medway	0.819461594	High SDI
44772	East Sussex	0.83898657	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44773	Portsmouth	0.864778156	High SDI
44774	Isle of Wight	0.826023587	High SDI
44775	Milton Keynes	0.886756129	High SDI
44776	Southampton	0.860211008	High SDI
44777	Slough	0.877374496	High SDI
44778	South Gloucestershire	0.88411864	High SDI
44779	Dorset	0.8514167	High SDI
44780	Wiltshire	0.859020608	High SDI
44781	North Somerset	0.85864883	High SDI
44782	Devon	0.854622345	High SDI
44783	Poole	0.862990852	High SDI
44784	Bath and North East Somerset	0.895075988	High SDI
44785	Gloucestershire	0.870918382	High SDI
44786	Somerset	0.842820976	High SDI
44787	Swindon	0.86670182	High SDI
44788	Torbay	0.812459589	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44789	Bristol, City of	0.896565514	High SDI
44790	Bournemouth	0.870149525	High SDI
44791	Cornwall	0.839219489	High SDI
44792	Plymouth	0.84217698	High SDI
44793	Central	0.577789494	Low-middle SDI
44794	Coast	0.518014043	Low-middle SDI
44795	Eastern	0.508217906	Low-middle SDI
44796	Nairobi	0.684188971	Middle SDI
44797	North Eastern	0.264360533	Low SDI
44798	Nyanza	0.525077558	Low-middle SDI
44799	Rift Valley	0.51425552	Low-middle SDI
44800	Western	0.504497721	Low-middle SDI
44850	New Zealand Maori population	0.770791784	High-middle SDI
44851	New Zealand non-Maori population	0.870812225	High SDI
44852	Tigray	0.38400255	Low SDI
44853	Afar	0.286502778	Low SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44854	Amhara	0.322156172	Low SDI
44855	Oromia	0.337961203	Low SDI
44856	Somali	0.27014767	Low SDI
44857	Benishangul-Gumuz	0.323654895	Low SDI
44858	Southern Nations, Nationalities, and Peoples	0.357248469	Low SDI
44859	Harari	0.539739601	Low-middle SDI
44860	Gambella	0.460576186	Low SDI
44861	Addis Ababa	0.695287927	Middle SDI
44862	Dire Dawa	0.542617703	Low-middle SDI
44864	Alborz	0.748208954	High-middle SDI
44865	Ardebil	0.658777858	Middle SDI
44866	East Azarbayejan	0.667933993	Middle SDI
44867	West Azarbayejan	0.626918833	Middle SDI
44868	Bushehr	0.708677286	Middle SDI
44869	Chahar Mahaal and Bakhtiari	0.678339055	Middle SDI
44870	Fars	0.715109154	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44871	Gilan	0.712361968	High-middle SDI
44872	Golestan	0.656422158	Middle SDI
44873	Hamadan	0.666968762	Middle SDI
44874	Hormozgan	0.670775004	Middle SDI
44875	Ilam	0.705185457	Middle SDI
44876	Isfahan	0.709893952	Middle SDI
44877	Kerman	0.66878396	Middle SDI
44878	Kermanshah	0.674511267	Middle SDI
44879	North Khorasan	0.651483141	Middle SDI
44880	Khorasan-e-Razavi	0.67053956	Middle SDI
44881	South Khorasan	0.653364832	Middle SDI
44882	Khuzestan	0.669816556	Middle SDI
44883	Kohgiluyeh and Boyer-Ahmad	0.694488035	Middle SDI
44884	Kurdistan	0.642334326	Middle SDI
44885	Lorestan	0.669421197	Middle SDI
44886	Markazi	0.682789151	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44887	Mazandaran	0.729935836	High-middle SDI
44888	Qazvin	0.687516004	Middle SDI
44889	Qom	0.694133773	Middle SDI
44890	Semnan	0.724001841	High-middle SDI
44891	Sistan and Baluchistan	0.549869409	Low-middle SDI
44892	Tehran	0.776102826	High-middle SDI
44893	Yazd	0.713637577	High-middle SDI
44894	Zanjan	0.661463751	Middle SDI
44903	Belgorod oblast	0.803695074	High-middle SDI
44904	Bryansk oblast	0.792329315	High-middle SDI
44905	Vladimir oblast	0.788797618	High-middle SDI
44906	Voronezh oblast	0.810406591	High SDI
44907	Ivanovo oblast	0.789631875	High-middle SDI
44908	Kaluga oblast	0.800527701	High-middle SDI
44909	Kostroma oblast	0.787756437	High-middle SDI
44910	Kursk oblast	0.793649987	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44911	Lipetzk oblast	0.802916176	High-middle SDI
44912	Moscow oblast	0.828120859	High SDI
44913	Oryol oblast	0.79451294	High-middle SDI
44914	Ryazan oblast	0.793693116	High-middle SDI
44915	Smolensk oblast	0.800950484	High-middle SDI
44916	Tambov oblast	0.790982828	High-middle SDI
44917	Tver oblast	0.799102213	High-middle SDI
44918	Tula oblast	0.797660828	High-middle SDI
44919	Yaroslavl oblast	0.805364359	High-middle SDI
44920	Moscow City	0.887772609	High SDI
44921	Republic of Karelia	0.81238914	High SDI
44922	Komi Republic	0.790079817	High-middle SDI
44923	Nenets autonomous district	0.800997369	High-middle SDI
44924	Arkhangelsk oblast without Nenets autonomous district	0.812017693	High SDI
44925	Vologda oblast	0.786532281	High-middle SDI
44926	Kaliningrad oblast	0.803693646	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44927	Leningrad oblast	0.814446452	High SDI
44928	Murmansk oblast	0.829529044	High SDI
44929	Novgorod oblast	0.779643289	High-middle SDI
44930	Pskov oblast	0.787746847	High-middle SDI
44931	Saint Petersburg	0.859435837	High SDI
44932	Republic of Adygeya	0.783355473	High-middle SDI
44933	Republic of Kalmykia	0.754503495	High-middle SDI
44934	Republic of Crimea	0.713851386	High-middle SDI
44935	Krasnodar kray	0.799215014	High-middle SDI
44936	Astrakhan oblast	0.777754786	High-middle SDI
44937	Volgograd oblast	0.792090776	High-middle SDI
44938	Rostov oblast	0.804560133	High-middle SDI
44939	Sevastopol	0.778562755	High-middle SDI
44940	Republic of Dagestan	0.75489971	High-middle SDI
44941	Republic of Ingushetia	0.723181052	High-middle SDI
44942	Kabardino-Balkar Republic	0.773368211	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44943	Karachay-Cherkess Republic	0.756823567	High-middle SDI
44944	Republic of North Ossetia-Alania	0.792451998	High-middle SDI
44945	Chechen Republic	0.697000298	Middle SDI
44946	Stavropol kray	0.785308224	High-middle SDI
44947	Republic of Bashkortostan	0.807048582	High-middle SDI
44948	Republic of Mari El	0.777484633	High-middle SDI
44949	Republic of Mordovia	0.77934414	High-middle SDI
44950	Republic of Tatarstan	0.815624973	High SDI
44951	Udmurt Republic	0.786843627	High-middle SDI
44952	Chuvash Republic	0.779169152	High-middle SDI
44953	Perm kray	0.796955473	High-middle SDI
44954	Kirov oblast	0.785897475	High-middle SDI
44955	Nizhny Novgorod oblast	0.81057854	High SDI
44956	Orenburg oblast	0.78313786	High-middle SDI
44957	Penza oblast	0.790346819	High-middle SDI
44958	Samara oblast	0.814000588	High SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44959	Saratov oblast	0.785980203	High-middle SDI
44960	Ulyanovsk oblast	0.782641776	High-middle SDI
44961	Kurgan oblast	0.76552614	High-middle SDI
44962	Sverdlovsk oblast	0.816064746	High SDI
44963	Khanty-Mansi autonomous area	0.826709092	High SDI
44964	Yamalo-Nenets autonomous area	0.837700215	High SDI
44965	Tyumen oblast without autonomous areas	0.813017728	High SDI
44966	Chelyabinsk oblast	0.793022546	High-middle SDI
44967	Republic of Altai	0.749802645	High-middle SDI
44968	Republic of Buryatia	0.778616162	High-middle SDI
44969	Republic of Tuva	0.692513465	Middle SDI
44970	Republic of Khakassia	0.777318539	High-middle SDI
44971	Altai kray	0.777099855	High-middle SDI
44972	Zabaikalsk kray	0.740925147	High-middle SDI
44973	Krasnoyarsk kray	0.796852774	High-middle SDI
44974	Irkutsk oblast	0.77351672	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
44975	Kemerovo oblast	0.782797668	High-middle SDI
44976	Novosibirsk oblast	0.796528925	High-middle SDI
44977	Omsk oblast	0.791260764	High-middle SDI
44978	Tomsk oblast	0.802325795	High-middle SDI
44979	Republic of Sakha (Yakutia)	0.814649347	High SDI
44980	Kamchatka kray	0.798113769	High-middle SDI
44981	Primorsky kray	0.802659761	High-middle SDI
44982	Khabarovsk kray	0.818047393	High SDI
44983	Amur oblast	0.793881993	High-middle SDI
44984	Magadan oblast	0.830546268	High SDI
44985	Sakhalin oblast	0.822655388	High SDI
44986	Jewish autonomous oblast	0.765463494	High-middle SDI
44987	Chukotka Autonomous Area	0.800770455	High-middle SDI
50559	Ukraine (without Crimea & Sevastopol)	0.761743094	High-middle SDI
53432	Trøndelag	0.916773946	High SDI
53533	Mountain Province	0.51921863	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53534	Ifugao	0.597325624	Low-middle SDI
53535	Benguet	0.716293119	High-middle SDI
53536	Abra	0.654173651	Middle SDI
53537	Apayao	0.60770129	Low-middle SDI
53538	Kalinga	0.575239213	Low-middle SDI
53539	La Union	0.661006064	Middle SDI
53540	Ilocos Norte	0.687657015	Middle SDI
53541	Ilocos Sur	0.671836522	Middle SDI
53542	Pangasinan	0.666135554	Middle SDI
53543	Nueva Vizcaya	0.616609509	Low-middle SDI
53544	Cagayan	0.63433253	Middle SDI
53545	Isabela	0.636783935	Middle SDI
53546	Quirino	0.575885131	Low-middle SDI
53547	Batanes	0.682565947	Middle SDI
53548	Bataan	0.660374268	Middle SDI
53549	Zambales	0.65425423	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53550	Tarlac	0.650760386	Middle SDI
53551	Pampanga	0.697271285	Middle SDI
53552	Bulacan	0.708002625	Middle SDI
53553	Nueva Ecija	0.650591609	Middle SDI
53554	Aurora	0.614063114	Low-middle SDI
53555	Rizal	0.710524418	Middle SDI
53556	Cavite	0.72917856	High-middle SDI
53557	Laguna	0.701620417	Middle SDI
53558	Batangas	0.686055208	Middle SDI
53559	Quezon	0.630168626	Middle SDI
53560	Occidental Mindoro	0.46028876	Low SDI
53561	Oriental Mindoro	0.60555167	Low-middle SDI
53562	Romblon	0.527572654	Low-middle SDI
53563	Palawan	0.527211201	Low-middle SDI
53564	Marinduque	0.549650294	Low-middle SDI
53565	Catanduanes	0.60942324	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53566	Camarines Norte	0.594459098	Low-middle SDI
53567	Sorsogon	0.600776304	Low-middle SDI
53568	Albay	0.640151269	Middle SDI
53569	Masbate	0.458060424	Low SDI
53570	Camarines Sur	0.633743794	Middle SDI
53571	Capiz	0.5714003	Low-middle SDI
53572	Aklan	0.64042058	Middle SDI
53573	Antique	0.569823295	Low-middle SDI
53574	Negros Occidental	0.604235111	Low-middle SDI
53575	Iloilo	0.673508341	Middle SDI
53576	Guimaras	0.609860186	Low-middle SDI
53577	Negros Oriental	0.578181475	Low-middle SDI
53578	Cebu	0.658154663	Middle SDI
53579	Bohol	0.604933545	Low-middle SDI
53580	Siquijor	0.600945243	Low-middle SDI
53581	Southern Leyte	0.60149118	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53582	Eastern Samar	0.499800385	Low-middle SDI
53583	Northern Samar	0.52396754	Low-middle SDI
53584	Samar (Western Samar)	0.527590959	Low-middle SDI
53585	Leyte	0.611701754	Low-middle SDI
53586	Biliran	0.643027685	Middle SDI
53587	Zamboanga Sibugay	0.549420679	Low-middle SDI
53588	Zamboanga Del Norte	0.53803222	Low-middle SDI
53589	Zamboanga Del Sur	0.630995266	Middle SDI
53590	Misamis Occidental	0.588184738	Low-middle SDI
53591	Bukidnon	0.551058807	Low-middle SDI
53592	Lanao Del Norte	0.587617211	Low-middle SDI
53593	Misamis Oriental	0.662873429	Middle SDI
53594	Camiguin	0.632089767	Middle SDI
53595	Davao Oriental	0.547236917	Low-middle SDI
53596	Davao de Oro	0.533098715	Low-middle SDI
53597	Davao Del Sur	0.659917629	Middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53598	Davao Occidental	0.578314908	Low-middle SDI
53599	Davao Del Norte	0.636970822	Middle SDI
53600	South Cotabato	0.632536869	Middle SDI
53601	Sultan Kudarat	0.519757294	Low-middle SDI
53602	Cotabato (North Cotabato)	0.55211245	Low-middle SDI
53603	Sarangani	0.582418699	Low-middle SDI
53604	Agusan Del Norte	0.615707618	Low-middle SDI
53605	Agusan Del Sur	0.541666497	Low-middle SDI
53606	Surigao Del Sur	0.587486668	Low-middle SDI
53607	Surigao Del Norte	0.627545678	Middle SDI
53608	Dinagat Islands	0.622041414	Middle SDI
53609	Tawi-Tawi	0.535621341	Low-middle SDI
53610	Basilan	0.546108643	Low-middle SDI
53611	Sulu	0.48399862	Low-middle SDI
53612	Maguindanao	0.51070243	Low-middle SDI
53613	Lanao Del Sur	0.532909532	Low-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53614	National Capital Region	0.751536473	High-middle SDI
53615	Azad Jammu & Kashmir	0.541342775	Low-middle SDI
53616	Balochistan	0.417109886	Low SDI
53617	Gilgit-Baltistan	0.399312068	Low SDI
53618	Islamabad Capital Territory	0.695559154	Middle SDI
53619	Khyber Pakhtunkhwa	0.451366327	Low SDI
53620	Punjab	0.520053339	Low-middle SDI
53621	Sindh	0.513737094	Low-middle SDI
53660	Dolnośląskie	0.817783922	High SDI
53661	Kujawsko-Pomorskie	0.790185071	High-middle SDI
53662	Łódzkie	0.805693677	High-middle SDI
53663	Lubelskie	0.789673817	High-middle SDI
53664	Lubuskie	0.791264292	High-middle SDI
53665	Małopolskie	0.812434112	High SDI
53666	Mazowieckie	0.849859302	High SDI
53667	Opolskie	0.794191353	High-middle SDI

Location ID	Location Name	2021 SDI Index Value	SDI Quintile
53668	Podkarpackie	0.792282338	High-middle SDI
53669	Podlaskie	0.786166754	High-middle SDI
53670	Pomorskie	0.804282452	High-middle SDI
53671	Śląskie	0.81907325	High SDI
53672	Świętokrzyskie	0.796464119	High-middle SDI
53673	Warmińsko-Mazurskie	0.777449817	High-middle SDI
53674	Wielkopolskie	0.813257407	High SDI
53675	Zachodniopomorskie	0.792789122	High-middle SDI
60132	Vestland	0.917642172	High SDI
60133	Agder	0.907093137	High SDI
60134	Vestfold og Telemark	0.907351769	High SDI
60135	Innlandet	0.899977235	High SDI
60136	Viken	0.914602128	High SDI
60137	Troms og Finnmark	0.904453583	High SDI

21GBD region and 5 SDI region specific distribution

Location

Global

Central Europe to Eastern Europe to and Central Asia

Central Asia

Central Europe

Eastern Europe

High-income

Australasia

High-income Asia Pacific

High-income North America

Southern Latin America

Western Europe

Latin America and Caribbean

Andean Latin America

Caribbean

Central Latin America

Tropical Latin America

North Africa and Middle East

North Africa and Middle East

South Asia

South Asia

Southeast Asia to East Asia to and Oceania

East Asia

Oceania

Southeast Asia

Sub-Saharan Africa

Central Sub-Saharan Africa

Eastern Sub-Saharan Africa

Southern Sub-Saharan Africa

Western Sub-Saharan Africa

SDI region

Low SDI

Low-middle SDI

Middle SDI

High-middle SDI

High SDI

Table S3 Absolute deaths and age-standardized death rate (ASDR) of NALC globally and regionally in 1990 and 2021, and their average annual percentage change (AAPC) from 1990 to 2021 across 204 countries and regions.

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Afghanistan	62 (38 to 99)	0.65 (0.38 to 1.11)	0.69 (0.65 to 0.73)	14 (8 to 24)	0.36 (0.2 to 0.61)	0.23 (0.03 to 0.43)	47 (27 to 79)	0.91 (0.49 to 1.63)	0.68 (0.64 to 0.73)
Albania	40 (23 to	0.91 (0.53	-0.91	21 (12 to	1.02 (0.59 to	-0.67	19 (10 to	0.8 (0.45 to	-1.59

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
	65)	to 1.48)	(-1.36 to -0.47)	35)	1.68)	(-1.17 to -0.16)	31)	1.33)	(-2.15 to -1.03)
Algeria	81 (51 to	0.24 (0.15	2.02	40 (23 to	0.24 (0.14 to	2.25	41 (25 to	0.26 (0.16 to	1.83
	118)	to 0.37)	(1.71 to 2.32)	63)	0.38)	(2.12 to 2.39)	61)	0.39)	(1.58 to 2.07)
American Samoa	0 (0 to 1)	0.96 (0.63	1.87	0 (0 to 0)	0.83 (0.51 to	1.74	0 (0 to 0)	1.09 (0.69 to	1.93
		to 1.4)	(1.2 to 2.54)		1.24)	(1.08 to 2.41)		1.63)	(1.65 to 2.21)
Andorra	1 (1 to 2)	0.87 (0.51	0.31	0 (0 to 1)	0.52 (0.29 to	0.12	1 (1 to 2)	1.22 (0.69 to	0.37
		to 1.39)	(0.1 to 0.53)		0.85)	(-0.15 to 0.4)		1.9)	(0.16 to 0.58)
Angola	76 (18 to	0.67 (0.16	-0.85	40 (7 to	0.8 (0.14 to	-0.87	35 (9 to	0.57 (0.13 to	-0.7
	203)	to 1.78)	(-1.03 to -0.67)	108)	2.08)	(-1.18 to -0.56)	106)	1.78)	(-0.99 to -0.41)
Antigua and Barbuda	0 (0 to 0)	0.28 (0.19	0.18	0 (0 to 0)	0.33 (0.22 to	0.17	0 (0 to 0)	0.24 (0.17 to	0.1
		to 0.4)	(-0.76 to 1.14)		0.48)	(-0.93 to 1.28)		0.33)	(-0.87 to 1.08)
Argentina	63 (42 to	0.11 (0.07	3	32 (21 to	0.13 (0.09 to	3.44	30 (20 to	0.09 (0.06 to	2.6
	89)	to 0.16)	(2.25 to 3.76)	48)	0.2)	(2.8 to 4.08)	42)	0.13)	(1.69 to 3.52)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Armenia	29 (19 to	0.66 (0.43	-0.03	12 (8 to 18)	0.65 (0.43 to	0.5	17 (11 to	0.66 (0.43 to	-0.31
	42)	to 0.96)	(-0.59 to 0.53)		0.98)	(-0.21 to 1.22)	26)	0.99)	(-1.04 to 0.42)
Australia	260 (179 to	0.57 (0.39	4.43	137 (88 to	0.64 (0.42 to	4.21	123 (81 to	0.5 (0.34 to	4.62
	365)	to 0.79)	(3.94 to 4.92)	194)	0.91)	(3.5 to 4.93)	175)	0.7)	(4.13 to 5.11)
Austria	58 (38 to	0.3 (0.2 to	2.22	31 (20 to	0.38 (0.25 to	2.35	26 (17 to	0.24 (0.16 to	2.01
	84)	0.43)	(1.56 to 2.87)	46)	0.56)	(2.15 to 2.56)	38)	0.34)	(1.29 to 2.73)
Azerbaijan	75 (38 to	0.8 (0.39 to	1.22	34 (17 to	0.83 (0.4 to	1.41	40 (20 to	0.77 (0.37 to	1.03
	137)	1.46)	(0.94 to 1.5)	63)	1.51)	(1.13 to 1.69)	77)	1.43)	(0.65 to 1.4)
Bahamas	1 (1 to 2)	0.34 (0.23	0.13	1 (0 to 1)	0.43 (0.29 to	1.01	1 (0 to 1)	0.26 (0.17 to	-0.51
		to 0.49)	(-0.35 to 0.61)		0.63)	(0.5 to 1.52)		0.38)	(-1.32 to 0.31)
Bahrain	5 (3 to 8)	0.83 (0.53	-0.7	3 (2 to 5)	0.94 (0.58 to	-0.57	2 (1 to 3)	0.75 (0.46 to	-0.87
		to 1.26)	(-1.08 to -0.33)		1.45)	(-1.01 to -0.13)		1.11)	(-1.31 to -0.43)
Bangladesh	280 (171 to	0.21 (0.13	0.78	157 (90 to	0.22 (0.13 to	0.66	123 (71 to	0.19 (0.11 to	1.09

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases (95% UI)	ASDR	1990-2021AAP C (95% UI)	Cases (95% UI)	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95% UI)		(95% UI)			(95% UI)	AAPC (95% UI)
	2021	2021	UI)	UI) 2021	2021		2021	2021	UI)
Barbados	431)	to 0.32)	(0.42 to 1.14)	257)	0.36)	(0.37 to 0.95)	192)	0.29)	(0.64 to 1.55)
	2 (1 to 2)	0.31 (0.2 to 0.46)	0.67 (-0.2 to 1.54)	1 (0 to 1)	0.26 (0.16 to 0.39)	0.67 (-0.63 to 1.98)	1 (1 to 2)	0.36 (0.23 to 0.53)	0.99 (0.38 to 1.6)
Belarus	38 (24 to 55)	0.24 (0.15 to 0.34)	0.69 (0.07 to 1.3)	19 (12 to 28)	0.33 (0.21 to 0.49)	1.43 (0.95 to 1.92)	19 (12 to 28)	0.18 (0.12 to 0.27)	0.02 (-0.8 to 0.83)
Belgium	66 (41 to 95)	0.26 (0.17 to 0.38)	1.2 (0.63 to 1.78)	31 (20 to 47)	0.29 (0.19 to 0.43)	2.11 (1.51 to 2.71)	34 (20 to 50)	0.24 (0.15 to 0.34)	0.65 (-0.08 to 1.4)
Belize	1 (1 to 1)	0.28 (0.18 to 0.39)	1.29 (0.36 to 2.23)	0 (0 to 0)	0.23 (0.15 to 0.35)	2.17 (1.23 to 3.12)	0 (0 to 1)	0.32 (0.21 to 0.45)	0.89 (-0.32 to 2.11)
Benin	86 (55 to 131)	1.77 (1.12 to 2.74)	-0.51 (-0.64 to -0.37)	36 (22 to 57)	1.58 (0.98 to 2.51)	-0.9 (-1.11 to -0.68)	50 (30 to 81)	1.93 (1.14 to 3.18)	-0.2 (-0.34 to -0.05)
Bermuda	0 (0 to 0)	0.19 (0.12 to 0.28)	-1.92 (-2.5 to -1.34)	0 (0 to 0)	0.22 (0.15 to 0.33)	-1.11 (-1.79 to -0.43)	0 (0 to 0)	0.16 (0.1 to 0.24)	-2.42 (-3.17 to -1.66)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Bhutan	3 (2 to 4)	0.47 (0.26 to 0.75)	1.46 (1.39 to 1.54)	2 (1 to 3)	0.52 (0.27 to 0.83)	1.35 (1.26 to 1.45)	1 (1 to 2)	0.41 (0.18 to 0.74)	1.59 (1.54 to 1.64)
Bolivia (Plurinational State of)	40 (23 to 66)	0.48 (0.27 to 0.8)	0.89 (0.7 to 1.09)	9 (5 to 15)	0.24 (0.13 to 0.4)	1.63 (1.27 to 2)	31 (16 to 53)	0.7 (0.36 to 1.2)	0.76 (0.57 to 0.96)
Bosnia and Herzegovina	45 (28 to 68)	0.7 (0.43 to 1.04)	0.4 (0.13 to 0.66)	19 (11 to 31)	0.69 (0.42 to 1.12)	0.4 (0.09 to 0.71)	26 (16 to 39)	0.71 (0.42 to 1.03)	0.35 (0.12 to 0.59)
Botswana	11 (6 to 23)	0.83 (0.44 to 1.57)	0.69 (0.27 to 1.11)	6 (2 to 14)	0.99 (0.39 to 2.32)	1.75 (1.34 to 2.15)	6 (3 to 10)	0.72 (0.42 to 1.24)	-0.11 (-1.12 to 0.9)
Brazil	409 (345 to 477)	0.17 (0.14 to 0.19)	0.71 (0.47 to 0.94)	179 (152 to 210)	0.16 (0.14 to 0.19)	1.38 (0.96 to 1.79)	230 (192 to 267)	0.17 (0.14 to 0.19)	0.33 (-0.26 to 0.92)
Brunei Darussalam	2 (1 to 3)	0.71 (0.44 to 1.08)	-0.73 (-1.24 to -0.21)	1 (1 to 2)	0.63 (0.38 to 0.97)	-1.04 (-2.08 to 0.01)	1 (1 to 2)	0.76 (0.45 to 1.23)	-0.63 (-1.03 to -0.22)
Bulgaria	46 (28 to 68)	0.32 (0.21 to 0.43)	-2.84 (-2.84 to -2.84)	19 (12 to 26)	0.32 (0.2 to 0.43)	-2.14 (-2.14 to -2.14)	27 (16 to 38)	0.32 (0.2 to 0.43)	-3.39 (-3.39 to -3.39)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021AAP	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	C (95% UI)	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	2021	2021	2021	UI)
Burkina Faso	70)	to 0.48)	(-3.7 to -1.97)	30)	0.51)	(-2.84 to -1.42)	41)	0.47)	(-4.61 to -2.16)
	177 (85 to	2 (0.97 to	-0.48	80 (33 to	1.9 (0.77 to	-1.11	97 (43 to	2.09 (0.91 to	0.09
	344)	3.97)	(-0.81 to -0.15)	142)	3.35)	(-1.39 to -0.82)	212)	4.7)	(-0.27 to 0.46)
Burundi	18 (11 to	0.39 (0.23	-1.21	4 (1 to 12)	0.18 (0.06 to	-1.45	14 (8 to 22)	0.61 (0.35 to	-0.9
	30)	to 0.64)	(-1.37 to -1.05)		0.5)	(-1.6 to -1.29)		0.99)	(-1.06 to -0.75)
Cabo Verde	9 (5 to 13)	2.11 (1.23	1.56	3 (2 to 5)	1.92 (1 to	2.73	5 (3 to 9)	2.22 (1.17 to	0.94
		to 3.23)	(1.28 to 1.84)		3.11)	(1.96 to 3.5)		3.56)	(0.78 to 1.1)
Cambodia	75 (37 to	0.66 (0.33	-0.38	25 (10 to	0.52 (0.22 to	-0.34	50 (23 to	0.75 (0.34 to	-0.47
	137)	to 1.28)	(-0.51 to -0.26)	62)	1.31)	(-0.44 to -0.25)	91)	1.35)	(-0.57 to -0.37)
Cameroon	214 (109 to	1.83 (0.91	-0.73	90 (45 to	1.57 (0.78 to	-0.76	123 (54 to	2.06 (0.91 to	-0.73
	340)	to 2.94)	(-0.92 to -0.54)	177)	3.06)	(-0.99 to -0.52)	210)	3.62)	(-0.85 to -0.61)
Canada	502 (348 to	0.66 (0.47	3.19	232 (149 to	0.68 (0.44 to	3.21	270 (183 to	0.65 (0.44 to	3.42
	700)	to 0.91)	(2.62 to 3.75)	332)	0.96)	(2.86 to 3.55)	376)	0.89)	(3.21 to 3.63)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Central African Republic	12 (5 to 26)	0.57 (0.21 to 1.34)	-1.29 (-1.5 to -1.08)	6 (2 to 12)	0.61 (0.23 to 1.29)	-1.65 (-1.93 to -1.37)	6 (2 to 16)	0.52 (0.15 to 1.49)	-0.91 (-1.14 to -0.68)
Chad	76 (41 to 144)	1.42 (0.74 to 2.73)	-0.08 (-0.29 to 0.14)	36 (20 to 64)	1.24 (0.69 to 2.22)	-0.91 (-1.41 to -0.41)	40 (19 to 87)	1.65 (0.74 to 3.62)	0.76 (0.6 to 0.92)
Chile	96 (62 to 137)	0.37 (0.24 to 0.52)	2.98 (2.46 to 3.5)	43 (27 to 64)	0.38 (0.24 to 0.56)	3.19 (2.22 to 4.16)	53 (34 to 75)	0.36 (0.23 to 0.51)	2.91 (2.44 to 3.38)
China	10409 (8036 to 13180)	0.51 (0.39 to 0.64)	0.12 (-0.36 to 0.6)	5514 (3895 to 7542)	0.58 (0.41 to 0.78)	0.34 (-0.09 to 0.78)	4895 (3669 to 6558)	0.45 (0.34 to 0.6)	-0.08 (-0.53 to 0.38)
Colombia	163 (107 to 233)	0.3 (0.2 to 0.43)	0.16 (-0.85 to 1.17)	62 (39 to 92)	0.26 (0.16 to 0.38)	1 (-0.03 to 2.03)	101 (66 to 145)	0.33 (0.21 to 0.47)	-0.54 (-2.04 to 0.97)
Comoros	4 (2 to 6)	0.85 (0.49 to 1.29)	-0.24 (-0.39 to -0.08)	1 (0 to 2)	0.47 (0.21 to 0.9)	-0.46 (-0.95 to 0.03)	3 (2 to 5)	1.17 (0.66 to 1.81)	-0.25 (-0.39 to -0.1)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021AAP	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	C (95% UI)	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Congo	19 (8 to 41)	0.74 (0.3 to 1.72)	-1.17 (-1.37 to -0.96)	7 (3 to 13)	0.55 (0.28 to 1.05)	-1.89 (-2.11 to -1.66)	12 (4 to 30)	0.91 (0.3 to 2.3)	-0.7 (-1.04 to -0.35)
Cook Islands	0 (0 to 1)	1.33 (0.87 to 1.94)	0.36 (0.13 to 0.6)	0 (0 to 0)	1.55 (0.96 to 2.29)	1.19 (0.77 to 1.61)	0 (0 to 0)	1.13 (0.7 to 1.71)	-0.35 (-0.67 to -0.04)
Costa Rica	38 (25 to 54)	0.7 (0.46 to 0.99)	1.58 (0.89 to 2.27)	18 (12 to 26)	0.74 (0.48 to 1.08)	2.06 (0.66 to 3.48)	20 (13 to 29)	0.67 (0.44 to 0.96)	1.39 (0.78 to 2.01)
Croatia	33 (21 to 49)	0.35 (0.22 to 0.5)	-0.84 (-0.97 to -0.7)	15 (9 to 23)	0.38 (0.23 to 0.57)	-1.68 (-1.97 to -1.38)	18 (12 to 27)	0.31 (0.2 to 0.45)	-0.12 (-0.42 to 0.18)
Cuba	39 (26 to 53)	0.19 (0.13 to 0.26)	0.27 (-0.72 to 1.27)	16 (10 to 23)	0.17 (0.11 to 0.25)	1.65 (0.43 to 2.89)	23 (15 to 32)	0.21 (0.14 to 0.3)	-0.52 (-1.82 to 0.8)
Cyprus	5 (3 to 8)	0.24 (0.15 to 0.37)	-0.56 (-1.19 to 0.08)	2 (1 to 4)	0.3 (0.17 to 0.47)	0.11 (-1.08 to 1.3)	2 (1 to 4)	0.21 (0.13 to 0.33)	-0.94 (-2 to 0.12)
Czechia	52 (33 to 71)	0.23 (0.15 to 0.31)	-0.01 (-0.12 to 0.1)	25 (16 to 34)	0.26 (0.17 to 0.35)	0.36 (-0.04 to 0.76)	27 (17 to 37)	0.2 (0.13 to 0.27)	-0.15 (-0.45 to 0.15)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
	79)	to 0.34)	(-0.26 to 0.23)	38)	0.38)	(0.04 to 0.67)	42)	0.3)	(-0.47 to 0.17)
Côte d'Ivoire	52 (26 to	0.5 (0.26 to	-1.53	22 (11 to	0.4 (0.19 to	-0.91	30 (13 to	0.61 (0.26 to	-2
	83)	0.81)	(-2.38 to -0.67)	38)	0.69)	(-1.79 to -0.03)	52)	1.07)	(-3.01 to -0.98)
Democratic People's	149 (86 to	0.46 (0.26	-0.73	59 (31 to	0.43 (0.23 to	-1.23	89 (52 to	0.47 (0.28 to	-0.37
Republic of Korea	241)	to 0.72)	(-0.83 to -0.62)	105)	0.72)	(-1.32 to -1.14)	146)	0.74)	(-0.57 to -0.17)
Democratic Republic	113 (48 to	0.34 (0.13	-0.46	34 (12 to	0.22 (0.07 to	-0.83	79 (32 to	0.42 (0.17 to	-0.44
of the Congo	275)	to 0.87)	(-0.55 to -0.36)	89)	0.62)	(-1.12 to -0.53)	194)	1.11)	(-0.52 to -0.36)
Denmark	25 (15 to	0.19 (0.12	2.57	13 (8 to 19)	0.22 (0.14 to	3.1	12 (7 to 17)	0.17 (0.11 to	2.14
	36)	to 0.28)	(1.65 to 3.51)		0.33)	(2.08 to 4.12)		0.24)	(1.26 to 3.03)
Djibouti	4 (2 to 7)	0.71 (0.43	1.07	2 (1 to 3)	0.5 (0.25 to	1.54	2 (1 to 4)	0.94 (0.54 to	0.96
		to 1.13)	(0.93 to 1.21)		0.91)	(1.37 to 1.71)		1.48)	(0.81 to 1.11)
Dominica	0 (0 to 1)	0.46 (0.28	1.89	0 (0 to 0)	0.56 (0.34 to	2.11	0 (0 to 0)	0.4 (0.24 to	1.66
		to 0.69)	(1.38 to 2.4)		0.87)	(1.5 to 2.72)		0.6)	(1.18 to 2.14)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Dominican Republic	19 (12 to	0.19 (0.12	1.63	9 (5 to 14)	0.18 (0.11 to	2.4	10 (6 to 16)	0.2 (0.12 to	1.12
	29)	to 0.29)	(1.28 to 1.98)		0.29)	(1.48 to 3.32)		0.3)	(0.88 to 1.36)
Ecuador	73 (50 to	0.46 (0.32	-0.37	19 (12 to	0.26 (0.16 to	-0.16	54 (37 to	0.63 (0.43 to	-0.49
	104)	to 0.65)	(-1.54 to 0.8)		0.38)	(-1.55 to 1.25)		0.9)	(-1.75 to 0.78)
Egypt	1427 (889	2.42 (1.5 to	2.11	777 (472 to	2.35 (1.43 to	3.13	651 (413 to	3.03 (1.93 to	2.07
	to 2052)	3.54)	(1.37 to 2.86)		3.51)	(2.59 to 3.66)		4.44)	(1.36 to 2.78)
El Salvador	13 (8 to 18)	0.2 (0.13 to	0.34	5 (3 to 7)	0.18 (0.11 to	0.8	8 (5 to 12)	0.22 (0.14 to	0.06
		0.29)	(-0.25 to 0.93)		0.27)	(-0.2 to 1.82)		0.33)	(-0.57 to 0.69)
Equatorial Guinea	3 (2 to 5)	0.69 (0.39	2.38	1 (1 to 3)	0.69 (0.37 to	4.47	2 (1 to 3)	0.69 (0.37 to	1.4
		to 1.15)	(2.12 to 2.64)		1.38)	(4.07 to 4.86)		1.15)	(1.09 to 1.71)
Eritrea	15 (8 to 24)	0.58 (0.33	0.17	3 (1 to 7)	0.26 (0.11 to	-0.47	11 (7 to 19)	0.77 (0.43 to	0.35
		to 0.95)	(-0.04 to 0.39)		0.63)	(-0.76 to -0.17)		1.27)	(0.16 to 0.55)
Estonia	11 (7 to 16)	0.37 (0.25	1.29	4 (3 to 6)	0.44 (0.3 to	1.72	6 (4 to 9)	0.33 (0.21 to	1.06

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
		to 0.54)	(0.26 to 2.32)		0.65)	(0.37 to 3.09)		0.46)	(0.51 to 1.61)
Eswatini	15 (6 to 32)	2.81 (1.23 to 5.97)	2.56 (2.1 to 3.02)	10 (3 to 26)	5.01 (1.46 to 12.83)	4.52 (4.01 to 5.03)	5 (3 to 8)	1.56 (0.91 to 2.75)	0.59 (0.18 to 1)
Ethiopia	145 (95 to 231)	0.35 (0.23 to 0.55)	-0.86 (-1.06 to -0.66)	33 (19 to 58)	0.15 (0.09 to 0.27)	-0.8 (-1.01 to -0.59)	112 (71 to 185)	0.55 (0.34 to 0.9)	-0.85 (-0.99 to -0.72)
Fiji	4 (3 to 7)	0.58 (0.36 to 0.88)	1.19 (0.73 to 1.66)	2 (1 to 3)	0.64 (0.37 to 1.03)	1.39 (0.7 to 2.08)	2 (1 to 3)	0.55 (0.34 to 0.84)	1 (0.83 to 1.18)
Finland	43 (28 to 63)	0.31 (0.2 to 0.44)	1.22 (0.53 to 1.92)	21 (13 to 31)	0.34 (0.23 to 0.5)	1.52 (0.76 to 2.29)	23 (14 to 34)	0.28 (0.18 to 0.42)	0.88 (0.49 to 1.28)
France	639 (406 to 924)	0.43 (0.28 to 0.61)	1.36 (1.09 to 1.63)	347 (221 to 516)	0.56 (0.36 to 0.83)	0.87 (0.6 to 1.15)	293 (171 to 432)	0.33 (0.2 to 0.46)	2.04 (1.71 to 2.37)
Gabon	11 (6 to 18)	1.08 (0.6 to 1.82)	0.91 (0.7 to 1.12)	5 (3 to 10)	1.15 (0.59 to 2.15)	1.35 (1.2 to 1.49)	5 (2 to 10)	1 (0.45 to 1.88)	0.56 (0.36 to 0.77)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Gambia	38 (22 to	3.99 (2.18	1.25	21 (11 to	4.52 (2.46 to	1.41	18 (8 to 28)	3.54 (1.67 to	1.17
	60)	to 6.4)	(0.8 to 1.71)	36)	8.03)	(1.01 to 1.82)		5.84)	(0.55 to 1.79)
Georgia	21 (14 to	0.35 (0.23	-0.24	11 (7 to 16)	0.45 (0.3 to	0.13	10 (7 to 15)	0.28 (0.19 to	-0.82
	31)	to 0.51)	(-1.95 to 1.51)		0.66)	(-2.51 to 2.83)		0.4)	(-2.59 to 0.98)
Germany	676 (446 to	0.33 (0.22	1.75	337 (210 to	0.37 (0.23 to	2.08	339 (218 to	0.29 (0.2 to	1.52
	1019)	to 0.47)	(1.54 to 1.97)	503)	0.54)	(1.82 to 2.33)	507)	0.42)	(1.2 to 1.84)
Ghana	174 (97 to	1.16 (0.63	-0.1	84 (50 to	1.32 (0.77 to	0.68	91 (41 to	1.06 (0.47 to	-0.7
	273)	to 1.8)	(-0.29 to 0.09)	145)	2.31)	(0.46 to 0.91)	156)	1.85)	(-0.88 to -0.52)
Greece	81 (55 to	0.3 (0.21 to	2.31	35 (23 to	0.3 (0.2 to	3.54	47 (29 to	0.31 (0.21 to	1.67
	117)	0.43)	(1.83 to 2.79)	52)	0.44)	(2.92 to 4.16)	67)	0.43)	(1.16 to 2.18)
Greenland	0 (0 to 1)	0.81 (0.48	0.72	0 (0 to 0)	0.78 (0.46 to	0.17	0 (0 to 0)	0.84 (0.49 to	1.22
		to 1.21)	(0.25 to 1.2)		1.22)	(-0.03 to 0.38)		1.28)	(0.53 to 1.91)
Grenada	0 (0 to 1)	0.42 (0.29	2.37	0 (0 to 0)	1.11 (0.68 to	6.35	0 (0 to 0)	0.38 (0.26 to	1.72

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
		to 0.6)	(0.92 to 3.85)		1.68)	(5.19 to 7.53)		0.53)	(0.23 to 3.23)
Guam	1 (1 to 2)	0.61 (0.42	1.98	1 (1 to 1)	0.85 (0.57 to	2.67	0 (0 to 1)	0.4 (0.26 to	0.92
		to 0.87)	(1.38 to 2.58)		1.22)	(2.31 to 3.03)		0.6)	(-0.1 to 1.94)
Guatemala	60 (41 to 85)	0.56 (0.37	-0.67	24 (16 to 35)	0.48 (0.32 to	-0.66	36 (24 to 50)	0.64 (0.42 to	-0.39
		to 0.8)	(-2.68 to 1.39)		0.71)	(-2.79 to 1.52)		0.9)	(-1.98 to 1.23)
Guinea	133 (76 to 198)	2.42 (1.36	-0.19	53 (29 to 92)	1.91 (1.05 to	-0.35	80 (41 to 129)	2.93 (1.51 to	-0.11
		to 3.61)	(-0.33 to -0.05)		3.41)	(-0.66 to -0.03)		4.84)	(-0.21 to -0.02)
Guinea-Bissau	15 (10 to 23)	2.31 (1.45	-0.81	7 (4 to 12)	2.43 (1.29 to	-1.37	8 (5 to 12)	2.23 (1.35 to	-0.2
		to 3.51)	(-0.99 to -0.63)		3.97)	(-1.95 to -0.78)		3.4)	(-0.34 to -0.07)
Guyana	2 (1 to 2)	0.25 (0.16	0.33	1 (0 to 1)	0.21 (0.13 to	1.03	1 (1 to 1)	0.27 (0.18 to	-0.11
		to 0.36)	(-0.69 to 1.35)		0.32)	(0.04 to 2.02)		0.39)	(-0.97 to 0.75)
Haiti	9 (4 to 18)	0.14 (0.06	-0.33	2 (1 to 6)	0.07 (0.03 to	-0.13	7 (3 to 13)	0.2 (0.09 to	-0.33
		to 0.29)	(-0.4 to -0.25)		0.19)	(-0.22 to -0.04)		0.42)	(-0.41 to -0.24)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Honduras	26 (15 to 40)	0.43 (0.25 to 0.69)	2.61 (2.12 to 3.1)	8 (4 to 13)	0.28 (0.15 to 0.47)	2.5 (2.29 to 2.71)	18 (10 to 29)	0.56 (0.32 to 0.92)	2.5 (1.92 to 3.09)
Hungary	35 (23 to 52)	0.17 (0.11 to 0.26)	-1.38 (-2.48 to -0.27)	16 (10 to 24)	0.2 (0.13 to 0.29)	-0.52 (-1.72 to 0.69)	20 (12 to 29)	0.16 (0.1 to 0.23)	-1.91 (-2.78 to -1.04)
Iceland	2 (1 to 3)	0.33 (0.22 to 0.47)	1.9 (1.4 to 2.4)	1 (1 to 2)	0.39 (0.26 to 0.57)	2.22 (1.69 to 2.75)	1 (1 to 1)	0.26 (0.16 to 0.38)	1.68 (1.08 to 2.29)
India	4735 (3969 to 5648)	0.41 (0.34 to 0.49)	1.52 (1.4 to 1.65)	2404 (1947 to 2948)	0.43 (0.35 to 0.53)	1.42 (1.3 to 1.54)	2331 (1908 to 2805)	0.39 (0.32 to 0.47)	1.7 (1.55 to 1.85)
Indonesia	1085 (576 to 1699)	0.48 (0.25 to 0.75)	1.31 (1.24 to 1.37)	603 (378 to 1053)	0.53 (0.33 to 0.92)	1.61 (1.52 to 1.7)	481 (149 to 804)	0.42 (0.13 to 0.71)	0.98 (0.9 to 1.07)
Iran (Islamic Republic of)	338 (277 to 401)	0.49 (0.4 to 0.58)	1.83 (1.31 to 2.35)	148 (123 to 178)	0.42 (0.35 to 0.51)	2.42 (1.29 to 3.57)	189 (148 to 234)	0.55 (0.43 to 0.68)	1.58 (1.21 to 1.96)
Iraq	136 (82 to 208)	0.64 (0.4 to 0.9)	1.32 (1.1 to 1.5)	67 (39 to 115)	0.67 (0.39 to 1.0)	1.62 (1.1 to 2.2)	69 (44 to 104)	0.62 (0.4 to 0.9)	1.04 (0.7 to 1.4)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Ireland	199)	0.95)	(0.97 to 1.67)	101)	1)	(1.3 to 1.94)	103)	0.94)	(0.62 to 1.45)
	22 (14 to	0.27 (0.18	1.98	10 (6 to 14)	0.25 (0.16 to	2.42	12 (8 to 18)	0.28 (0.18 to	1.75
	32)	to 0.38)	(1.42 to 2.55)		0.36)	(2.02 to 2.81)		0.4)	(1.01 to 2.5)
Israel	27 (18 to	0.21 (0.14	0.23	13 (8 to 19)	0.23 (0.15 to	0.8	14 (9 to 21)	0.2 (0.13 to	-0.17
	39)	to 0.3)	(0 to 0.47)		0.33)	(0.61 to 1)		0.29)	(-0.78 to 0.45)
Italy	315 (248 to	0.2 (0.17 to	-1.28	165 (134 to	0.25 (0.21 to	-1.2	150 (113 to	0.16 (0.12 to	-1.44
	386)	0.24)	(-2.8 to 0.25)	200)	0.3)	(-2.9 to 0.53)	188)	0.19)	(-2.79 to -0.07)
Jamaica	6 (4 to 9)	0.2 (0.13 to	1.9	3 (2 to 4)	0.18 (0.11 to	2.17	4 (2 to 5)	0.22 (0.14 to	1.76
		0.3)	(0.59 to 3.23)		0.28)	(-0.05 to 4.44)		0.32)	(0.86 to 2.66)
Japan	1470 (1105	0.33 (0.26	-1.28	706 (566 to	0.4 (0.33 to	-1.49	764 (534 to	0.26 (0.2 to	-0.98
	to 1848)	to 0.4)	(-1.51 to -1.04)	856)	0.47)	(-1.64 to -1.34)	994)	0.33)	(-1.41 to -0.56)
Jordan	16 (9 to 23)	0.23 (0.14	0.11	8 (5 to 12)	0.23 (0.13 to	0.36	8 (5 to 12)	0.25 (0.15 to	-0.08
		to 0.36)	(-0.32 to 0.54)		0.35)	(0.05 to 0.67)		0.38)	(-0.63 to 0.47)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Kazakhstan	82 (54 to 117)	0.5 (0.32 to 0.7)	-1.35 (-2.02 to -0.68)	33 (21 to 49)	0.51 (0.34 to 0.74)	-1.99 (-2.68 to -1.3)	49 (31 to 70)	0.48 (0.32 to 0.7)	-0.74 (-1.56 to 0.09)
Kenya	170 (124 to 228)	0.77 (0.57 to 1.02)	2.07 (1.86 to 2.27)	63 (44 to 92)	0.59 (0.41 to 0.84)	2.87 (2.64 to 3.1)	107 (74 to 153)	0.9 (0.63 to 1.26)	1.5 (1.23 to 1.77)
Kiribati	1 (0 to 1)	0.72 (0.44 to 1.02)	0.26 (0.11 to 0.41)	0 (0 to 0)	0.43 (0.24 to 0.71)	-0.12 (-0.68 to 0.45)	0 (0 to 1)	0.92 (0.55 to 1.37)	0.36 (0.22 to 0.49)
Kuwait	5 (3 to 7)	0.21 (0.14 to 0.3)	-2.78 (-7.16 to 1.81)	3 (2 to 4)	0.21 (0.13 to 0.31)	-2.92 (-6.35 to 0.63)	2 (1 to 3)	0.21 (0.14 to 0.3)	-2.54 (-5.84 to 0.88)
Kyrgyzstan	13 (8 to 19)	0.29 (0.18 to 0.43)	-1.25 (-3.18 to 0.71)	6 (4 to 10)	0.32 (0.2 to 0.49)	-1.15 (-3.01 to 0.75)	7 (4 to 10)	0.26 (0.16 to 0.4)	-1.55 (-3.35 to 0.29)
Lao People's Democratic Republic	26 (15 to 41)	0.59 (0.33 to 0.94)	-0.9 (-0.99 to -0.81)	14 (7 to 22)	0.64 (0.34 to 1.03)	-0.98 (-1.11 to -0.86)	12 (7 to 19)	0.55 (0.32 to 0.86)	-0.79 (-0.94 to -0.64)
Latvia	12 (8 to 17)	0.29 (0.2 to 0.4)	1.19	5 (3 to 7)	0.33 (0.22 to 0.4)	0.95	7 (5 to 10)	0.26 (0.18 to 0.3)	1.1

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021AAP	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	C (95% UI)	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	2021	2021	2021	UI)
Lebanon	14 (9 to 21)	0.39)	(-0.28 to 2.67)	6 (4 to 9)	0.46)	(-0.56 to 2.48)	8 (5 to 13)	0.36)	(0.25 to 1.95)
		0.23 (0.15 to 0.35)	-0.34 (-0.57 to -0.12)		0.22 (0.14 to 0.34)	0.17 (-0.1 to 0.44)		0.24 (0.15 to 0.39)	-0.68 (-0.85 to -0.52)
Lesotho	21 (9 to 47)	2.1 (0.91 to 4.47)	3.58 (3.23 to 3.93)	12 (3 to 35)	3.2 (0.83 to 10.16)	4.77 (4.49 to 5.05)	9 (6 to 15)	1.54 (0.93 to 2.47)	2.6 (2.23 to 2.97)
		2.38 (1.5 to 3.62)	-0.09 (-0.36 to 0.19)		2.31 (1.27 to 3.85)	-0.37 (-0.62 to -0.11)		2.45 (1.52 to 3.68)	0.19 (-0.17 to 0.55)
Libya	49 (31 to 74)	1 (0.64 to 1.52)	1.77 (1.5 to 2.04)	22 (14 to 33)	0.87 (0.54 to 1.32)	2.29 (1.87 to 2.71)	28 (17 to 42)	1.13 (0.72 to 1.75)	1.36 (0.93 to 1.79)
		0.29 (0.2 to 0.41)	1.63 (0.74 to 2.53)		0.37 (0.25 to 0.52)	2.53 (1.92 to 3.13)		0.24 (0.16 to 0.35)	0.93 (0.02 to 1.84)
Luxembourg	3 (2 to 5)	0.29 (0.18 to 0.41)	0.9 (0.51 to 1.29)	1 (1 to 2)	0.3 (0.19 to 0.44)	1.13 (0.58 to 1.68)	2 (1 to 2)	0.27 (0.17 to 0.39)	0.58 (0.26 to 0.9)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Madagascar	45 (26 to	0.42 (0.24	0	11 (5 to 25)	0.22 (0.1 to	-0.49	34 (20 to	0.6 (0.35 to	0.1
	73)	to 0.66)	(-0.15 to 0.15)		0.47)	(-0.95 to -0.03)	53)	0.97)	(-0.04 to 0.24)
Malawi	51 (32 to	0.71 (0.44	1.22	24 (14 to	0.72 (0.43 to	1.85	27 (16 to	0.68 (0.41 to	0.73
	72)	to 1.03)	(1.03 to 1.41)		1.13)	(1.48 to 2.23)	40)	1.05)	(0.62 to 0.85)
Malaysia	182 (121 to	0.68 (0.45	1.72	105 (66 to	0.78 (0.5 to	2.07	78 (51 to	0.58 (0.38 to	1.13
	269)	to 1.01)	(1.02 to 2.43)		1.2)	(1.14 to 3)	116)	0.85)	(0.73 to 1.54)
Maldives	1 (1 to 2)	0.5 (0.3 to	-0.4	1 (1 to 2)	0.75 (0.44 to	0.03	0 (0 to 0)	0.21 (0.13 to	-1.06
		0.76)	(-0.78 to -0.01)		1.19)	(-0.32 to 0.37)		0.31)	(-1.45 to -0.68)
Mali	235 (151 to	2.87 (1.83	0.58	138 (84 to	3.31 (2.03 to	0.69	97 (59 to	2.41 (1.46 to	0.42
	364)	to 4.47)	(0.41 to 0.76)		5.08)	(0.56 to 0.82)	152)	3.93)	(0.21 to 0.63)
Malta	2 (1 to 3)	0.2 (0.13 to	1.21	1 (1 to 2)	0.26 (0.16 to	1.7	1 (1 to 1)	0.15 (0.1 to	0.42
		0.3)	(0.54 to 1.89)		0.4)	(1.34 to 2.06)		0.22)	(-0.37 to 1.22)
Marshall Islands	0 (0 to 0)	0.4 (0.22 to	0.95	0 (0 to 0)	0.33 (0.14 to	1.08	0 (0 to 0)	0.48 (0.29 to	0.87

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021AAP	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	C (95% UI)	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Mauritania		0.67)	(0.77 to 1.14)		0.7)	(0.55 to 1.61)		0.79)	(0.68 to 1.06)
	63 (35 to	3.13 (1.66	-0.99	32 (12 to	3.16 (1.19 to	-1.41	31 (18 to	3.1 (1.73 to	-0.58
	99)	to 4.95)	(-1.11 to -0.86)	57)	5.77)	(-1.58 to -1.25)	50)	4.92)	(-0.73 to -0.43)
Mauritius		0.09 (0.07	-4.52		0.09 (0.06 to	-4.27		0.09 (0.07 to	-4.37
	2 (1 to 2)	to 0.13)	(-7.49 to -1.46)	1 (1 to 1)	0.13)	(-7.94 to -0.46)	1 (1 to 1)	0.13)	(-7.35 to -1.3)
Mexico		0.32 (0.27	1.92		0.3 (0.24 to	2.41		0.34 (0.27 to	1.76
	389 (324 to	to 0.38)	(1.45 to 2.39)	169 (134 to	0.37)	(1.76 to 3.07)	220 (176 to	0.41)	(1.5 to 2.03)
Micronesia (Federated States of)		0.59 (0.34	0.79		0.56 (0.27 to	0.93		0.6 (0.29 to	0.66
	0 (0 to 1)	to 0.93)	(0.65 to 0.92)	0 (0 to 0)	1.15)	(0.67 to 1.19)	0 (0 to 0)	0.97)	(0.61 to 0.72)
Monaco		0.69 (0.41	2.69		0.82 (0.5 to	2.6		0.57 (0.31 to	2.67
	1 (0 to 1)	to 1.05)	(2.53 to 2.85)	0 (0 to 1)	1.24)	(2.38 to 2.82)	0 (0 to 1)	0.91)	(2.53 to 2.82)
Mongolia		5.87 (3.61	1.86		4.68 (2.74 to	0.87		6.57 (3.99 to	2.29
	118 (73 to	to 9.12)	(1.39 to 2.33)	43 (25 to	7.38)	(0.08 to 1.66)	74 (47 to	10.25)	(1.73 to 2.85)
	183)			68)			116)		

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Montenegro	8 (5 to 11)	0.81 (0.51 to 1.2)	1.16 (0.87 to 1.47)	3 (2 to 5)	0.75 (0.45 to 1.18)	1.33 (0.88 to 1.79)	5 (3 to 7)	0.84 (0.52 to 1.21)	0.98 (0.77 to 1.19)
Morocco	21 (13 to 31)	0.06 (0.04 to 0.09)	1.88 (1.75 to 2.01)	12 (7 to 20)	0.07 (0.05 to 0.12)	2.09 (1.87 to 2.3)	9 (5 to 14)	0.05 (0.03 to 0.08)	1.62 (1.53 to 1.71)
Mozambique	304 (154 to 564)	3.43 (1.74 to 6.44)	1.13 (1.05 to 1.22)	139 (51 to 341)	3.4 (1.3 to 8.53)	1.82 (1.56 to 2.08)	165 (77 to 294)	3.34 (1.49 to 6.19)	0.54 (0.4 to 0.69)
Myanmar	140 (62 to 261)	0.3 (0.13 to 0.56)	0.23 (0.17 to 0.3)	57 (25 to 139)	0.28 (0.13 to 0.68)	0.61 (0.45 to 0.78)	83 (22 to 168)	0.31 (0.08 to 0.64)	0 (-0.08 to 0.08)
Namibia	5 (3 to 7)	0.41 (0.26 to 0.62)	1.17 (0.84 to 1.49)	2 (1 to 3)	0.42 (0.25 to 0.63)	2.82 (2.45 to 3.19)	3 (2 to 5)	0.4 (0.24 to 0.63)	0.26 (0.11 to 0.42)
Nauru	0 (0 to 0)	0.52 (0.32 to 0.82)	-0.58 (-0.97 to -0.19)	0 (0 to 0)	0.6 (0.33 to 1.02)	-0.04 (-0.43 to 0.35)	0 (0 to 0)	0.45 (0.25 to 0.75)	-1.27 (-1.52 to -1.02)
Nepal	77 (44 to 111)	0.34 (0.19 to 0.51)	2.64 (2.31 to 2.97)	41 (22 to 60)	0.38 (0.2 to 0.56)	3.08 (2.65 to 3.51)	36 (19 to 53)	0.3 (0.16 to 0.44)	2.12 (1.83 to 2.41)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021AAP	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	C (95% UI)	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	2021	2021	2021	UI)
Netherlands	123)	to 0.54)	(2.51 to 2.76)	65)	0.59)	(2.88 to 3.29)	60)	0.5)	(1.98 to 2.26)
	87 (58 to	0.24 (0.16	2.51	41 (26 to	0.24 (0.16 to	2.54	46 (30 to	0.23 (0.15 to	2.64
	126)	to 0.33)	(1.73 to 3.3)	61)	0.36)	(1.68 to 3.42)	66)	0.32)	(1.65 to 3.63)
New Zealand	37 (30 to	0.43 (0.36	3.08	18 (14 to	0.46 (0.37 to	3.08	19 (15 to	0.41 (0.33 to	2.87
	44)	to 0.52)	(2.13 to 4.03)	22)	0.55)	(2.67 to 3.5)	23)	0.49)	(1.07 to 4.7)
Nicaragua	16 (10 to	0.33 (0.21	0.63	6 (4 to 10)	0.31 (0.19 to	0.76	9 (6 to 14)	0.35 (0.22 to	0.47
	23)	to 0.49)	(0.12 to 1.14)		0.47)	(0.38 to 1.14)		0.53)	(0.01 to 0.93)
Niger	92 (52 to	1.23 (0.68	-1.33	35 (20 to	0.96 (0.54 to	-2.31	58 (30 to	1.48 (0.76 to	-0.58
	165)	to 2.16)	(-1.44 to -1.23)	62)	1.68)	(-2.44 to -2.17)	105)	2.68)	(-0.74 to -0.42)
Nigeria	614 (415 to	0.75 (0.52	0.17	128 (83 to	0.33 (0.22 to	0.07	487 (316 to	1.11 (0.74 to	0.17
	902)	to 1.07)	(0.06 to 0.29)	190)	0.48)	(-0.31 to 0.45)	752)	1.66)	(0.02 to 0.32)
Niue	0 (0 to 0)	0.63 (0.38	1.17	0 (0 to 0)	0.78 (0.42 to	1.67	0 (0 to 0)	0.51 (0.28 to	0.68
		to 0.99)	(1.05 to 1.29)		1.39)	(1.56 to 1.79)		0.8)	(0.55 to 0.81)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
North Macedonia	28 (17 to	1.02 (0.62	0.45	13 (8 to 21)	1.04 (0.62 to	1.43	15 (9 to 23)	1.01 (0.62 to	-0.35
	43)	to 1.53)	(0.12 to 0.78)		1.64)	(1.08 to 1.78)		1.48)	(-0.72 to 0.01)
Northern Mariana Islands	0 (0 to 1)	0.91 (0.59	0.9	0 (0 to 0)	1.05 (0.67 to	1.87	0 (0 to 0)	0.85 (0.54 to	-0.01
		to 1.33)	(0.21 to 1.6)		1.56)	(0.83 to 2.93)		1.26)	(-0.51 to 0.5)
Norway	26 (21 to	0.25 (0.21	2.87	11 (9 to 13)	0.24 (0.2 to	2.66	15 (12 to	0.26 (0.21 to	3.02
	30)	to 0.29)	(1.59 to 4.18)		0.28)	(1.74 to 3.58)		0.31)	(1.1 to 4.97)
Oman	9 (6 to 14)	0.5 (0.32 to	2.2	6 (4 to 10)	0.64 (0.39 to	2.81	3 (2 to 5)	0.37 (0.22 to	1.35
		0.74)	(1.96 to 2.45)		0.98)	(2.46 to 3.17)		0.58)	(1.08 to 1.63)
Pakistan	375 (278 to	0.3 (0.22 to	1.14	140 (96 to	0.21 (0.14 to	1.23	235 (165 to	0.39 (0.27 to	0.91
	501)	0.39)	(0.98 to 1.29)		0.29)	(1.02 to 1.44)		0.55)	(0.73 to 1.1)
Palau	0 (0 to 0)	0.71 (0.43	0.7	0 (0 to 0)	1.35 (0.81 to	0.52	0 (0 to 0)	0 (0 to 0)	0.9
		to 1.11)	(0.49 to 0.91)		2.14)	(0.3 to 0.74)			(0.78 to 1.01)
Palestine	16 (10 to	0.72 (0.47	-0.14	7 (5 to 11)	0.78 (0.5 to	0.19	8 (6 to 12)	0.72 (0.46 to	-0.36

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases (95% UI) 2021	ASDR	1990-2021AAP	Cases (95% UI) 2021	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95% UI)		(95% UI)	C (95% UI)		(95% UI)	AAPC (95% UI)
	2021	2021	UI)		2021			2021	UI)
Panama	24)	to 1.07)	(-0.38 to 0.12)		1.16)	(-0.01 to 0.39)		1.05)	(-0.6 to -0.12)
	16 (10 to	0.36 (0.23	0.24	6 (4 to 10)	0.31 (0.19 to	0.3	9 (6 to 14)	0.4 (0.26 to	0.08
	23)	to 0.52)	(-0.95 to 1.43)		0.47)	(-0.1 to 0.71)		0.59)	(-0.25 to 0.41)
Papua New Guinea	11 (5 to 27)	0.22 (0.09	-1.02	5 (2 to 16)	0.2 (0.07 to	-1.08	6 (3 to 12)	0.24 (0.1 to	-0.91
		to 0.55)	(-1.16 to -0.88)		0.62)	(-1.19 to -0.96)		0.55)	(-1.04 to -0.77)
Paraguay	14 (9 to 21)	0.25 (0.16	1.94	6 (4 to 10)	0.23 (0.13 to	2.93	8 (5 to 12)	0.27 (0.16 to	1.31
		to 0.37)	(1.53 to 2.35)		0.37)	(2.38 to 3.49)		0.4)	(0.82 to 1.8)
Peru	100 (60 to	0.3 (0.18 to	1.57	27 (16 to	0.17 (0.1 to	2.41	73 (44 to	0.42 (0.25 to	1.4
	152)	0.46)	(0.2 to 2.96)	43)	0.28)	(1.29 to 3.54)	108)	0.62)	(0.46 to 2.35)
Philippines	444 (353 to	0.56 (0.45	0.32	246 (181 to	0.67 (0.5 to	0.27	198 (150 to	0.47 (0.36 to	0.2
	559)	to 0.7)	(0.02 to 0.63)	326)	0.88)	(-0.09 to 0.63)	259)	0.61)	(-0.01 to 0.4)
Poland	132 (110 to	0.18 (0.15	3.06	50 (41 to	0.17 (0.14 to	4.99	82 (66 to	0.18 (0.15 to	2.3
	156)	to 0.21)	(2.14 to 3.98)	60)	0.2)	(3.79 to 6.21)	97)	0.22)	(1.27 to 3.34)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Portugal	79 (52 to	0.31 (0.21	2.92	45 (29 to	0.43 (0.28 to	3.73	34 (21 to	0.22 (0.14 to	1.8
	115)	to 0.45)	(2.39 to 3.46)	67)	0.63)	(3.19 to 4.28)	51)	0.32)	(1.43 to 2.18)
Puerto Rico	29 (19 to	0.39 (0.26	0.8	16 (10 to	0.51 (0.34 to	2.03	13 (8 to 18)	0.29 (0.2 to	-0.5
	41)	to 0.55)	(-0.12 to 1.73)	23)	0.73)	(1.12 to 2.94)		0.41)	(-1.63 to 0.64)
Qatar	16 (10 to	2.68 (1.65	1.84	11 (7 to 18)	3.19 (1.96 to	2.46	5 (3 to 7)	2.19 (1.26 to	0.51
	24)	to 4.21)	(0.35 to 3.35)		5.29)	(0.11 to 4.87)		3.43)	(-0.45 to 1.48)
Republic of Korea	990 (626 to	1.04 (0.66	-2.44	479 (287 to	1.18 (0.73 to	-2.24	512 (320 to	0.93 (0.59 to	-2.64
	1485)	to 1.56)	(-2.66 to -2.22)	765)	1.86)	(-2.51 to -1.98)	796)	1.43)	(-2.79 to -2.48)
Republic of Moldova	15 (10 to	0.25 (0.17	0.42	7 (5 to 10)	0.29 (0.2 to	0.72	8 (5 to 11)	0.22 (0.15 to	0.67
	21)	to 0.35)	(-1.62 to 2.51)		0.42)	(-1.5 to 3)		0.3)	(-1.68 to 3.08)
Romania	110 (74 to	0.29 (0.2 to	3.15	49 (32 to	0.32 (0.21 to	3.59	61 (40 to	0.26 (0.18 to	2.88
	162)	0.42)	(2.56 to 3.74)	73)	0.47)	(3.01 to 4.19)	91)	0.38)	(2.23 to 3.53)
Russian Federation	614 (520 to	0.26 (0.22	2.18	273 (227 to	0.31 (0.26 to	2.07	341 (281 to	0.22 (0.18 to	2.26

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases (95% UI)	ASDR	1990-2021AAP C (95% UI)	Cases (95% UI) 2021	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95% UI)		(95% UI)			(95% UI)	AAPC (95% UI)
	2021	2021	UI)	UI) 2021	2021			2021	UI)
Rwanda	717)	to 0.3)	(1.35 to 3)	328)	0.37)	(0.83 to 3.32)	404)	0.26)	(1.18 to 3.35)
	39 (23 to	0.66 (0.4 to	-0.82	9 (4 to 18)	0.36 (0.17 to	-1.07	29 (18 to	0.86 (0.51 to	-0.85
	59)	1.01)	(-1.14 to -0.51)		0.73)	(-1.38 to -0.75)	44)	1.31)	(-1.17 to -0.53)
Saint Kitts and Nevis	0 (0 to 0)	0.39 (0.26	0.24	0 (0 to 0)	0.53 (0.34 to	1.56	0 (0 to 0)	0.28 (0.19 to	-1.2
		to 0.56)	(-0.98 to 1.47)		0.78)	(0.83 to 2.31)		0.41)	(-2.68 to 0.31)
Saint Lucia	0 (0 to 1)	0.16 (0.11	-0.92	0 (0 to 0)	0.17 (0.11 to	0.03	0 (0 to 0)	0.14 (0.1 to	-1.63
		to 0.23)	(-1.32 to -0.52)		0.25)	(-0.77 to 0.83)		0.2)	(-2.66 to -0.59)
Saint Vincent and the Grenadines	0 (0 to 1)	0.27 (0.18	-0.42	0 (0 to 0)	0.32 (0.21 to	-0.16	0 (0 to 0)	0.22 (0.15 to	-0.95
		to 0.38)	(-1.04 to 0.21)		0.46)	(-0.72 to 0.41)		0.3)	(-2.06 to 0.16)
Samoa	1 (0 to 1)	0.54 (0.34	-0.05	0 (0 to 1)	0.63 (0.38 to	-0.36	0 (0 to 0)	0.46 (0.27 to	0.32
		to 0.79)	(-0.18 to 0.08)		1.02)	(-0.92 to 0.2)		0.69)	(0.25 to 0.39)
San Marino	0 (0 to 0)	0.17 (0.09	0.74	0 (0 to 0)	0.21 (0.11 to	0.58	0 (0 to 0)	0.14 (0.08 to	0.89
		to 0.29)	(0.67 to 0.82)		0.37)	(0.47 to 0.68)		0.23)	(0.61 to 1.17)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Sao Tome and Principe	0 (0 to 1)	0.34 (0.17 to 0.54)	0.27 (0.02 to 0.52)	0 (0 to 0)	0.37 (0.19 to 0.73)	-0.61 (-1.54 to 0.32)	0 (0 to 0)	0.31 (0.13 to 0.55)	0.48 (0.34 to 0.62)
Saudi Arabia	172 (112 to 252)	1.14 (0.74 to 1.67)	1.46 (1.23 to 1.68)	114 (73 to 167)	1.33 (0.85 to 1.97)	1.58 (1.24 to 1.92)	58 (34 to 88)	0.85 (0.51 to 1.29)	1.06 (0.89 to 1.22)
Senegal	116 (73 to 175)	1.61 (1.01 to 2.46)	-0.17 (-0.53 to 0.18)	33 (20 to 52)	0.98 (0.59 to 1.58)	-1.06 (-1.55 to -0.57)	82 (49 to 130)	2.18 (1.28 to 3.43)	0.18 (-0.1 to 0.46)
Serbia	72 (44 to 112)	0.43 (0.26 to 0.65)	0.13 (0.02 to 0.23)	32 (19 to 50)	0.43 (0.26 to 0.66)	0.59 (0.42 to 0.75)	40 (24 to 64)	0.42 (0.26 to 0.65)	-0.17 (-0.48 to 0.14)
Seychelles	1 (0 to 1)	0.5 (0.33 to 0.73)	-1.77 (-2.07 to -1.47)	0 (0 to 1)	0.68 (0.43 to 0.98)	-1.33 (-1.65 to -1)	0 (0 to 0)	0.34 (0.23 to 0.52)	-2.5 (-2.7 to -2.31)
Sierra Leone	44 (27 to 71)	1.23 (0.74 to 1.95)	-1.13 (-1.26 to -0.99)	17 (10 to 27)	0.92 (0.55 to 1.49)	-2.34 (-2.52 to -2.16)	27 (16 to 46)	1.53 (0.87 to 2.57)	-0.06 (-0.2 to 0.08)
Singapore	27 (18 to 36)	0.32 (0.21 to 0.43)	-0.56 (-0.68 to -0.44)	15 (9 to 24)	0.38 (0.23 to 0.53)	-0.75 (-0.87 to -0.63)	12 (8 to 18)	0.27 (0.17 to 0.37)	-0.21 (-0.31 to -0.11)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Slovakia	41)	to 0.49)	(-1.71 to 0.6)		0.6)	(-1.28 to -0.22)		0.4)	(-2.56 to 2.21)
	34 (20 to	0.36 (0.21	-0.65	15 (9 to 24)	0.38 (0.22 to	0.02	19 (11 to	0.34 (0.2 to	-1.14
	54)	to 0.56)	(-1.13 to -0.17)		0.6)	(-0.34 to 0.38)	30)	0.51)	(-1.51 to -0.76)
Slovenia	23 (15 to	0.49 (0.32	0.88	12 (8 to 19)	0.61 (0.38 to	1.84	11 (7 to 17)	0.39 (0.25 to	0.13
	34)	to 0.72)	(-0.24 to 2.02)		0.92)	(1.64 to 2.03)		0.58)	(-0.97 to 1.25)
Solomon Islands		0.41 (0.23	-0.36		0.45 (0.24 to	-0.46		0.36 (0.2 to	0.01
	1 (1 to 3)	to 0.72)	(-0.53 to -0.19)	1 (0 to 2)	0.9)	(-0.64 to -0.28)	1 (0 to 1)	0.63)	(-0.34 to 0.37)
Somalia	64 (32 to	1.2 (0.58 to	0.07	21 (6 to 49)	0.87 (0.24 to	-0.51	43 (21 to	1.4 (0.65 to	0.22
	124)	2.29)	(-0.04 to 0.17)		2.05)	(-0.69 to -0.33)	85)	2.86)	(0.15 to 0.28)
South Africa	445 (359 to	1.02 (0.84	2.09	252 (193 to	1.45 (1.12 to	3.25	193 (161 to	0.76 (0.63 to	0.96
	538)	to 1.23)	(1.66 to 2.51)	323)	1.84)	(2.96 to 3.54)	230)	0.9)	(0.49 to 1.43)
South Sudan	37 (21 to	1.01 (0.6 to	1.24	15 (7 to 27)	0.77 (0.38 to	1.48	22 (12 to	1.28 (0.72 to	0.97
	58)	1.65)	(1.1 to 1.38)		1.38)	(1.1 to 1.86)	35)	2.07)	(0.86 to 1.09)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR			ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Spain	313 (200 to	0.31 (0.2 to	1.25	169 (107 to	0.39 (0.25 to	1.74	145 (86 to	0.23 (0.15 to	0.77
	466)	0.45)	(0.99 to 1.52)	256)	0.59)	(1.32 to 2.17)	222)	0.34)	(0.38 to 1.16)
Sri Lanka	39 (22 to	0.15 (0.08	-0.79	23 (12 to	0.19 (0.11 to	-0.09	17 (9 to 27)	0.11 (0.06 to	-1.58
	64)	to 0.24)	(-1.32 to -0.26)	38)	0.32)	(-0.81 to 0.64)		0.18)	(-2.09 to -1.06)
Sudan	92 (53 to	0.5 (0.29 to	1.39	50 (26 to	0.52 (0.27 to	1.7	42 (23 to	0.48 (0.27 to	1.04
	145)	0.8)	(1.29 to 1.48)	81)	0.83)	(1.58 to 1.83)	70)	0.8)	(0.96 to 1.12)
Suriname	2 (1 to 3)	0.28 (0.17	1.13	1 (1 to 1)	0.31 (0.18 to	2.04	1 (1 to 1)	0.25 (0.16 to	0.35
		to 0.42)	(0.58 to 1.69)		0.49)	(1.22 to 2.87)		0.37)	(-0.01 to 0.7)
Sweden	53 (42 to	0.24 (0.19	0.67	27 (21 to	0.27 (0.2 to	1.1	26 (20 to	0.21 (0.16 to	0.38
	65)	to 0.29)	(-0.87 to 2.23)	35)	0.34)	(-0.71 to 2.94)	32)	0.26)	(-1.41 to 2.2)
Switzerland	49 (31 to	0.26 (0.17	0.45	28 (17 to	0.32 (0.2 to	-0.17	22 (14 to	0.2 (0.13 to	0.91
	74)	to 0.37)	(-0.03 to 0.93)	44)	0.5)	(-0.58 to 0.25)	32)	0.29)	(0.62 to 1.2)
Syrian Arab Republic	78 (48 to	0.65 (0.4 to	-0.05	38 (22 to	0.6 (0.35 to	0.22	40 (24 to	0.72 (0.44 to	-0.22

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
	117)	0.97)	(-0.44 to 0.34)	57)	0.92)	(-0.19 to 0.63)	61)	1.07)	(-0.45 to 0.01)
Taiwan (Province of	378 (257 to	0.89 (0.61	1.62	193 (128 to	0.98 (0.65 to	1.36	185 (120 to	0.8 (0.53 to	2.13
China)	531)	to 1.25)	(-0.33 to 3.61)	282)	1.41)	(-0.45 to 3.2)	265)	1.15)	(-0.27 to 4.58)
Tajikistan	17 (9 to 29)	0.32 (0.17	-0.21	7 (4 to 12)	0.27 (0.14 to	-0.2	10 (6 to 16)	0.37 (0.2 to	-0.12
		to 0.54)	(-0.52 to 0.09)		0.5)	(-0.49 to 0.09)		0.61)	(-0.58 to 0.34)
Thailand	1243 (803	1.15 (0.74	-0.38	701 (431 to	1.43 (0.89 to	0.08	542 (340 to	0.9 (0.57 to	-0.95
	to 1863)	to 1.71)	(-0.67 to -0.09)	1097)	2.23)	(-0.25 to 0.41)	828)	1.37)	(-1.2 to -0.7)
Timor-Leste	2 (1 to 4)	0.3 (0.16 to	-0.25	1 (0 to 2)	0.22 (0.1 to	-0.13	2 (1 to 3)	0.37 (0.16 to	-0.37
		0.5)	(-0.47 to -0.02)		0.46)	(-0.3 to 0.04)		0.62)	(-0.6 to -0.15)
Togo	41 (25 to	1.22 (0.72	0.47	12 (6 to 24)	0.8 (0.42 to	-0.04	29 (15 to	1.5 (0.75 to	0.51
	65)	to 1.93)	(0.28 to 0.66)		1.57)	(-0.4 to 0.32)	49)	2.53)	(0.35 to 0.66)
Tokelau	0 (0 to 0)	0.51 (0.28	0.76	0 (0 to 0)	0.53 (0.28 to	1.85	0 (0 to 0)	0.5 (0.26 to	-0.01
		to 0.89)	(0.44 to 1.07)		0.95)	(1.44 to 2.27)		0.88)	(-0.45 to 0.43)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	ASDR			ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Tonga	2 (1 to 3)	2.43 (1.47 to 3.6)	0.59 (0.12 to 1.07)	1 (1 to 2)	3.34 (1.94 to 5.41)	0.87 (0.21 to 1.54)	1 (0 to 1)	1.65 (0.97 to 2.57)	0.19 (0.02 to 0.36)
Trinidad and Tobago	5 (3 to 8)	0.28 (0.18 to 0.4)	0.3 (-0.85 to 1.46)	2 (1 to 3)	0.23 (0.14 to 0.36)	0.88 (-0.8 to 2.59)	3 (2 to 5)	0.32 (0.21 to 0.48)	-0.01 (-0.82 to 0.8)
Tunisia	23 (13 to 38)	0.18 (0.1 to 0.29)	1.43 (1.28 to 1.58)	13 (7 to 21)	0.21 (0.12 to 0.34)	2.12 (1.97 to 2.27)	10 (6 to 18)	0.15 (0.08 to 0.26)	0.75 (0.6 to 0.9)
Turkey	322 (205 to 466)	0.36 (0.23 to 0.52)	1 (0.81 to 1.19)	177 (108 to 265)	0.44 (0.27 to 0.64)	1.35 (1 to 1.7)	145 (91 to 213)	0.3 (0.19 to 0.43)	0.61 (0.37 to 0.85)
Turkmenistan	20 (13 to 31)	0.52 (0.33 to 0.77)	0.94 (-0.05 to 1.94)	9 (6 to 15)	0.54 (0.32 to 0.83)	0.01 (-0.55 to 0.57)	11 (7 to 17)	0.51 (0.33 to 0.75)	1.91 (0.78 to 3.05)
Tuvalu	0 (0 to 0)	0.52 (0.31 to 0.84)	0.59 (0.53 to 0.65)	0 (0 to 0)	0.54 (0.28 to 0.96)	1.06 (0.8 to 1.32)	0 (0 to 0)	0.51 (0.3 to 0.85)	0.32 (0.19 to 0.45)
Uganda	137 (85 to 211)	0.96 (0.58 to 1.34)	0.28 (0.12 to 0.44)	51 (30 to 72)	0.8 (0.46 to 1.14)	-0.47 (-0.82 to -0.12)	86 (48 to 124)	1.07 (0.58 to 1.56)	0.78 (0.42 to 1.14)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Ukraine	211)	to 1.49)	(0.15 to 0.41)	79)	1.26)	(-0.65 to -0.28)	138)	1.77)	(0.6 to 0.96)
	90 (63 to	0.12 (0.08	-0.69	46 (29 to	0.16 (0.1 to	-0.41	44 (28 to	0.09 (0.06 to	-1.14
	119)	to 0.15)	(-1.87 to 0.51)	66)	0.23)	(-1.58 to 0.77)	63)	0.13)	(-2.33 to 0.06)
United Arab Emirates	58 (35 to	1.91 (1.15	1.77	41 (23 to	1.6 (0.93 to	1.91	17 (11 to	3.24 (1.88 to	2.78
	92)	to 2.96)	(1.29 to 2.25)	68)	2.65)	(1.42 to 2.39)	25)	4.9)	(1.75 to 3.82)
United Kingdom	582 (474 to	0.42 (0.35	3.64	247 (201 to	0.4 (0.33 to	3.56	335 (268 to	0.44 (0.36 to	3.78
	699)	to 0.5)	(3.3 to 3.98)	298)	0.48)	(3.26 to 3.86)	406)	0.52)	(3.38 to 4.18)
United Republic of	179 (112 to	0.73 (0.44	-0.15	57 (30 to	0.47 (0.25 to	-0.79	122 (77 to	0.95 (0.58 to	0.15
Tanzania	274)	to 1.09)	(-0.26 to -0.04)	102)	0.83)	(-0.91 to -0.67)	181)	1.43)	(0.04 to 0.26)
United States of	2799 (2341	0.47 (0.4 to	2.71	1561 (1308	0.58 (0.49 to	2.74	1238 (1021	0.37 (0.31 to	2.55
America	to 3270)	0.55)	(2.52 to 2.9)	to 1839)	0.68)	(2.54 to 2.94)	to 1456)	0.43)	(2.35 to 2.75)
United States Virgin	1 (0 to 1)	0.32 (0.2 to	1.23	0 (0 to 1)	0.43 (0.25 to	2.88	0 (0 to 0)	0.21 (0.13 to	-0.51
Islands		0.49)	(1 to 1.46)		0.71)	(2.5 to 3.25)		0.34)	(-0.67 to -0.34)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021		ASDR		ASDR	1990-2021	
	(95% UI)	(95% UI)	AAPC (95%	Cases (95%	(95% UI)	1990-2021AAP	Cases (95%	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Uruguay	13 (8 to 18)	0.23 (0.15 to 0.33)	3.47 (2.56 to 4.38)	8 (5 to 12)	0.34 (0.21 to 0.5)	4.19 (3.57 to 4.82)	5 (3 to 7)	0.15 (0.1 to 0.2)	2.63 (1.67 to 3.6)
Uzbekistan	99 (62 to 150)	0.38 (0.24 to 0.58)	1.62 (1.25 to 1.99)	43 (27 to 68)	0.36 (0.22 to 0.55)	1.64 (1.13 to 2.15)	56 (35 to 85)	0.4 (0.25 to 0.6)	1.61 (1.29 to 1.93)
Vanuatu	1 (0 to 1)	0.45 (0.25 to 0.77)	0.24 (-0.12 to 0.6)	0 (0 to 1)	0.47 (0.23 to 0.91)	0.43 (0.1 to 0.76)	0 (0 to 1)	0.43 (0.25 to 0.76)	0.1 (-0.15 to 0.34)
Venezuela (Bolivarian Republic of)	83 (52 to 124)	0.29 (0.18 to 0.43)	-1.89 (-2.75 to -1.02)	37 (23 to 57)	0.29 (0.18 to 0.45)	-0.86 (-1.9 to 0.2)	46 (28 to 69)	0.29 (0.18 to 0.43)	-2.47 (-3.62 to -1.29)
Viet Nam	1020 (646 to 1527)	1.04 (0.67 to 1.57)	-0.05 (-0.18 to 0.09)	587 (346 to 950)	1.35 (0.85 to 2.14)	-0.2 (-0.38 to -0.02)	433 (260 to 654)	0.8 (0.48 to 1.2)	0.17 (-0.04 to 0.37)
Yemen	24 (12 to 47)	0.18 (0.09 to 0.37)	-0.49 (-0.63 to -0.35)	11 (6 to 22)	0.18 (0.09 to 0.36)	-0.97 (-1.16 to -0.78)	13 (6 to 27)	0.19 (0.08 to 0.41)	-0.01 (-0.14 to 0.11)

Location	Both			Men			Women		
	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021	Cases	ASDR	1990-2021
	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	AAPC (95%	(95% UI)	(95% UI)	AAPC (95%
	2021	2021	UI)	UI) 2021	2021	C (95% UI)	UI) 2021	2021	UI)
Zambia	49 (20 to 115)	0.78 (0.34 to 1.78)	-1.39 (-1.71 to -1.07)	19 (7 to 53)	0.62 (0.25 to 1.66)	-1.64 (-2.01 to -1.27)	30 (12 to 69)	0.91 (0.38 to 2.05)	-1.43 (-1.69 to -1.17)
Zimbabwe	125 (71 to 191)	2.06 (1.18 to 3.22)	1.3 (0.99 to 1.61)	34 (17 to 62)	1.24 (0.63 to 2.34)	0.26 (-0.29 to 0.82)	92 (48 to 148)	2.61 (1.38 to 4.33)	1.69 (1.1 to 2.28)

Table S4 Absolute deaths and age-standardized death rate (ASDR) of NALC globally and regionally in 1990 and 2021 across 21 GBD regions and 5 SDI regions.

Location	1990 Cases (95% UI)			2019 Cases (95% UI)			2021 Cases (95% UI)		
	Both	Women	Men	Both	Women	Men	Both	Women	Men
Global	14,675 (11,621-18,159)	7,558 (5,870-9,620)	7,118 (5,598-8,864)	39074.57 (31718.58 - 47007.82)	19703.52 (15921.83 - 23902.04)	19371.04 (15316.59 - 24070.74)	40,925 (32,961-49,610)	20,456 (16,632-25,003)	20,469 (16,180-25,363)
Andean Latin America	56 (39-77)	43 (30-59)	13 (9-19)	198.16 (134.98 - 281.57)	146.54 (100.21 - 207.10)	51.62 (33.63 - 77.47)	213 (139-306)	158 (104-228)	55 (36-81)
Australasia	36 (26-48)	17 (12-22)	19 (13-26)	272.16 (196.05 - 368.17)	131.55 (91.29 - 181.13)	140.62 (97.57 - 197.83)	297 (211-404)	142 (98-196)	155 (103-212)
Caribbean	53 (37-74)	34 (23-46)	20 (13-28)	113.76 (79.27 - 156.24)	62.08 (42.41 - 85.80)	51.68 (36.00 - 73.68)	121 (82-167)	67 (45-94)	54 (37-77)
Central Asia	248 (173-349)	140 (95-192)	108 (74-157)	445.80 (304.20 - 623.10)	258.50 (176.55 - 362.40)	187.30 (126.01 - 271.44)	474 (318-679)	275 (187-389)	199 (130-296)
Central Europe	401	252	150	650.36 (467.40 -	366.22 (264.96 -	284.14 (201.57 -	669	376	294

Location	1990 Cases (95% UI)			2019 Cases (95% UI)			2021 Cases (95% UI)		
	Both	Women	Men	Both	Women	Men	Both	Women	Men
	(277-562)	(174-345)	(102-215)	864.98)	487.26)	391.40)	(475-908)	(271-500)	(204-409)
Central Latin America	207	131	76	725.32 (570.25 -	420.38 (331.42 -	304.94 (240.46 -	803	468	335
Central Sub-Saharan Africa	(159-267)	(100-169)	(59-100)	903.39)	523.83)	381.75)	(631-1014)	(359-594)	(257-422)
	114	63	51	212.88 (86.39 -	127.51 (48.13 -	85.37 (32.63 -	233	139	94 (37-225)
	(49-250)	(25-152)	(20-122)	492.58)	326.17)	213.08)	(96-535)	(54-360)	
East Asia	4,292	2,071	2,221	10974.71	5391.43 (4109.94	5583.28 (4034.71	10,936	5,169	5,767
	(3,440-5,304	(1567-2,5	(1,709-2,8	(8502.96 -	- 6866.18)	- 7518.27)	(8458-13,79	(3,920-6,823	(4,113-7,793
	)	97)	57)	13774.87)			8)	)	)
Eastern Europe	387	223	164	753.53 (631.78 -	412.38 (345.45 -	341.15 (284.59 -	796	434	362
	(323-460)	(187-266)	(136-194)	884.04)	484.66)	400.28)	(668-935)	(356-518)	(300-436)
Eastern Sub-Saharan Africa	532	338	194	1180.89 (807.38	753.05 (536.41 -	427.84 (259.10 -	1,261	808	453
	(371-751)	(241-472)	(119-312)	- 1639.70)	1021.79)	684.85)	(865-1,739)	(572-1073)	(270-727)
High SDI	3,360	1,710	1,650	9078.80 (7096.75	4486.90 (3406.95	4591.90 (3662.89	9,585	4,700	4,885

Location	1990 Cases (95% UI)			2019 Cases (95% UI)			2021 Cases (95% UI)		
	Both	Women	Men	Both	Women	Men	Both	Women	Men
	(2,663-4,196)	(1,337-2,146)	(1,316-2,101)	- 11328.93)	- 5700.33)	- 5797.04)	(7,410-11,975)	(3,555-5,978)	(3,841-6,150)
High-income	1,436	686	751	2304.36 (1770.01	1189.29 (860.50	1115.08 (872.88	2,490	1,289	1,201
Asia Pacific	(1,132-1,835)	(517-894)	(602-959)	- 2986.55)	- 1570.51)	- 1438.52)	(1,864-3,212)	(903-1,729)	(926-1,562)
High-income	744	383	361	3146.59 (2593.11	1458.53 (1190.99	1688.05 (1398.86	3,302	1,508	1,793
North America	(630-873)	(319-448)	(304-426)	- 3732.03)	- 1726.24)	- 2015.60)	(2,726-3,914)	(1,218-1,805)	(1,486-2,133)
High-middle	3,102	1,523	1,579	7323.95 (5814.73	3585.60 (2812.34	3738.35 (2834.12	7,438	3,556	3,882
SDI	(2,540-3,748)	(1,208-1,867)	(1,249-1,964)	- 9014.42)	- 4425.41)	- 4821.64)	(5,952-9,089)	(2,826-4,423)	(2,931-4,938)
Low SDI	1,465	825	639	3019.38 (2148.21	1811.37 (1294.30	1208.01 (819.02	3,222	1,949	1,273
	(942-2,243)	(520-1342)	(397-962)	- 4129.08)	- 2485.00)	- 1731.43)	(2,283-4,455)	(1,396-2,661)	(865-1,833)
Low-middle	2,144	1,154	990	6561.92 (5263.20	3460.41 (2799.62	3101.51 (2394.87	7,040	3,733	3,308

Location	1990 Cases (95% UI)			2019 Cases (95% UI)			2021 Cases (95% UI)		
	Both	Women	Men	Both	Women	Men	Both	Women	Men
SDI	(1,572-3,011)	(823-1,677)	(736-1,334)	- 8024.35)	- 4280.06)	- 3921.63)	(5,612-8,681)	(2,969-4,636)	(2,517-4,165)
	4,592	2,337	2,255	13064.15	6345.49 (5071.88 - 7713.99)	6718.66 (5200.09 - 8561.74)	13,613	6,504	7,109
Middle SDI	(3,709-5,603)	(1,844-2,856)	(1,762-2,803)	(10541.50 - 15743.29)			(10,818-16,683)	(5,233-8,029)	(5,434-9,006)
North Africa and Middle East	694 (438-1,140)	389 (229-701)	305 (202-479)	2749.13 (1982.89 - 3678.99)	1299.01 (974.68 - 1727.75)	1450.12 (1013.51 - 1990.54)	2,966 (2,066-4,066)	1,396 (1,020-1881)	1,570 (1,066-2,214)
Oceania	11 (6-22)	5 (3-11)	6 (3-12)	23.50 (13.41 - 41.85)	11.56 (6.87 - 19.41)	11.94 (6.32 - 23.88)	25 (14-46)	12 (7-21)	13 (7-27)
South Asia	1,375 (1,108-1,649)	615 (494-734)	760 (600-934)	5056.54 (4191.70 - 5929.69)	2496.43 (2063.55 - 2924.40)	2560.11 (2077.19 - 3048.06)	5,469 (4,600-6,486)	2,726 (2,223-3,236)	2,744 (2,238-3,426)
Southeast Asia	1,484 (1,070-2,019)	707 (517-943)	777 (541-1,08)	3997.25 (2858.60 - 5427.95)	1792.12 (1131.32 - 2488.42)	2205.13 (1534.31 - 3173.11)	4,267 (3,013-5,833)	1,900 (1,187-2,704)	2,366 (1,644-3,467)

Location	1990 Cases (95% UI)			2019 Cases (95% UI)			2021 Cases (95% UI)		
	Both	Women	Men	Both	Women	Men	Both	Women	Men
	)		5)				)	)	)
Southern Latin America	32 (22-46)	18 (11-24)	15 (9-22)	157.33 (106.59 - 222.30)	81.19 (54.83 - 112.54)	76.14 (50.32 - 111.78)	171 (113-242)	88 (59-122)	84 (53-124)
Southern Sub-Saharan Africa	178 (108-268)	107 (73-157)	71 (30-133)	584.41 (467.58 - 721.10)	288.27 (227.99 - 374.30)	296.14 (217.75 - 388.48)	623 (492-769)	307 (242-397)	316 (235-417)
Tropical Latin America	115 (99-132)	72 (62-82)	43 (37-50)	392.69 (333.45 - 459.17)	216.95 (183.78 - 254.10)	175.74 (149.18 - 206.67)	423 (356-493)	239 (199-277)	185 (157-217)
Western Europe	1,217 (907-1,612)	652 (474-877)	565 (417-769)	3067.47 (2193.32 - 4156.19)	1542.47 (1067.93 - 2122.06)	1525.00 (1097.21 - 2070.72)	3,159 (2,255-4,272)	1,580 (1,078-2,166)	1,579 (1,136-2,155)
Western Sub-Saharan Africa	1,062 (623-1,781)	612 (336-1116)	450 (252-706)	2067.72 (1527.29 - 2771.48)	1258.06 (920.04 - 1695.19)	809.66 (577.30 - 1125.98)	2,227 (1,654-2,944)	1,376 (1,015-1,829)	850 (598-1,176)

Table S5 Absolute and age-standardized death rate (ASDR) for NALC in men and women globally over 30 years from 1990 to 2021

Year	Both		Men		Women	
	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)
1990	14675 (11621,18159)	0.38 (0.3,0.47)	7118 (5598,8864)	0.39 (0.31,0.49)	7558 (5870,9620)	0.36 (0.28,0.46)
1991	15136 (12001,18903)	0.38 (0.3,0.47)	7369 (5816,9240)	0.4 (0.32,0.5)	7767 (6002,9896)	0.36 (0.28,0.46)
1992	15660 (12355,19555)	0.38 (0.3,0.48)	7641 (6030,9591)	0.4 (0.32,0.51)	8019 (6259,10147)	0.36 (0.28,0.46)
1993	16198 (12757,20083)	0.39 (0.31,0.48)	7945 (6296,10002)	0.41 (0.33,0.52)	8253 (6424,10464)	0.36 (0.28,0.46)
1994	16831 (13464,20804)	0.39 (0.31,0.49)	8274 (6599,10421)	0.42 (0.33,0.52)	8557 (6720,10751)	0.37 (0.29,0.46)
1995	17625 (14024,21785)	0.4 (0.32,0.5)	8689 (6967,10707)	0.43 (0.35,0.54)	8936 (7059,11081)	0.38 (0.3,0.47)
1996	18300 (14637,22589)	0.41 (0.33,0.51)	9047 (7221,11260)	0.44 (0.35,0.54)	9253 (7323,11433)	0.38 (0.3,0.47)
1997	18843 (15119,23353)	0.41 (0.33,0.51)	9322 (7441,11572)	0.44 (0.35,0.55)	9520 (7581,11816)	0.39 (0.31,0.48)
1998	19626 (15860,24194)	0.42 (0.34,0.52)	9763 (7734,12148)	0.45 (0.36,0.57)	9863 (7933,12216)	0.39 (0.31,0.48)
1999	20442 (16508,25065)	0.43 (0.35,0.53)	10173 (8195,12769)	0.46 (0.37,0.58)	10269 (8193,12663)	0.4 (0.32,0.49)
2000	21185 (17154,25852)	0.43 (0.35,0.53)	10581 (8437,13070)	0.47 (0.37,0.58)	10603 (8478,12968)	0.4 (0.32,0.49)
2001	21722 (17607,26679)	0.43 (0.35,0.53)	10854 (8736,13635)	0.47 (0.38,0.59)	10869 (8773,13240)	0.4 (0.32,0.49)
2002	22221 (18061,27355)	0.43 (0.35,0.54)	11090 (8900,13832)	0.47 (0.38,0.59)	11131 (9011,13643)	0.4 (0.32,0.49)
2003	22547 (18349,27521)	0.43 (0.35,0.52)	11258 (9081,13912)	0.46 (0.37,0.57)	11289 (9157,13675)	0.4 (0.32,0.48)

Year	Both		Men		Women	
	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)
2004	22831 (18796,27989)	0.42 (0.35,0.52)	11401 (9218,14125)	0.46 (0.37,0.56)	11430 (9293,13874)	0.39 (0.32,0.48)
2005	23380 (19169,28566)	0.42 (0.35,0.52)	11666 (9502,14318)	0.46 (0.37,0.57)	11714 (9522,14277)	0.39 (0.32,0.48)
2006	23983 (19639,29440)	0.42 (0.35,0.52)	11932 (9694,14869)	0.46 (0.37,0.57)	12051 (9764,14720)	0.39 (0.32,0.48)
2007	24862 (20374,30481)	0.43 (0.35,0.53)	12355 (9980,15370)	0.46 (0.37,0.57)	12506 (10091,15233)	0.4 (0.32,0.48)
2008	26104 (21476,31737)	0.44 (0.36,0.53)	12971 (10428,15904)	0.47 (0.38,0.58)	13132 (10646,15881)	0.41 (0.33,0.49)
2009	27181 (22336,33106)	0.44 (0.36,0.54)	13498 (11033,16618)	0.48 (0.39,0.59)	13683 (10996,16699)	0.41 (0.33,0.5)
2010	28259 (23212,34209)	0.45 (0.37,0.54)	14053 (11385,17259)	0.48 (0.39,0.59)	14207 (11555,17167)	0.42 (0.34,0.5)
2011	29164 (23853,35345)	0.45 (0.37,0.55)	14501 (11690,17762)	0.48 (0.39,0.59)	14663 (11868,17656)	0.42 (0.34,0.5)
2012	30276 (24953,36855)	0.45 (0.37,0.55)	15039 (12129,18514)	0.49 (0.39,0.6)	15237 (12254,18375)	0.42 (0.34,0.51)
2013	31821 (26133,38533)	0.46 (0.38,0.56)	15801 (12691,19419)	0.5 (0.41,0.62)	16020 (13109,19218)	0.43 (0.35,0.52)
2014	33497 (27635,40620)	0.48 (0.39,0.58)	16628 (13601,20403)	0.51 (0.42,0.62)	16868 (13725,20388)	0.44 (0.36,0.53)
2015	34802 (28636,42264)	0.48 (0.39,0.58)	17310 (13999,21225)	0.52 (0.42,0.63)	17492 (14259,21292)	0.45 (0.36,0.54)
2016	35977 (29481,43083)	0.48 (0.4,0.58)	17803 (14311,22063)	0.52 (0.42,0.64)	18174 (15011,21892)	0.45 (0.37,0.54)
2017	37019 (30390,45204)	0.48 (0.4,0.59)	18261 (14433,22592)	0.51 (0.41,0.63)	18758 (15306,22814)	0.45 (0.37,0.55)
2018	38188 (31086,46197)	0.48 (0.39,0.58)	18873 (15014,23594)	0.52 (0.41,0.65)	19315 (15691,23174)	0.45 (0.37,0.54)

Year	Both		Men		Women	
	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)	Cases (95% UI)	ASDR (95% UI)
2019	39075 (31719,47008)	0.48 (0.39,0.58)	19371 (15317,24071)	0.52 (0.41,0.64)	19704 (15922,23902)	0.45 (0.36,0.54)
2020	39930 (31997,48130)	0.48 (0.39,0.58)	19999 (15540,24759)	0.52 (0.41,0.64)	19930 (16024,24218)	0.44 (0.36,0.54)
2021	40925 (32961,49610)	0.48 (0.39,0.58)	20469 (16180,25363)	0.52 (0.41,0.64)	20456 (16632,25003)	0.44 (0.36,0.54)

Table S6 The annual percentage change (APC) of ASDR of NALC in 21 GBD regions and global, from 1990 to 2021

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Global	3	0	1990	2000	1.54 (1.42 to 1.66)	<0.001
Global	3	1	2000	2006	-0.42 (-0.76 to -0.08)	0.018
Global	3	2	2006	2016	1.36 (1.22 to 1.5)	<0.001
Global	3	3	2016	2021	-0.21 (-0.55 to 0.13)	0.210
Andean Latin America	5	0	1990	1996	1.53 (0.86 to 2.2)	<0.001
Andean Latin America	5	1	1996	1999	-8.8 (-12.3 to -5.15)	<0.001
Andean Latin America	5	2	1999	2003	5.65 (3.6 to 7.74)	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Andean Latin America	5	3	2003	2007	-1.74 (-3.65 to 0.2)	0.075
Andean Latin America	5	4	2007	2013	0.97 (0.09 to 1.86)	0.033
Andean Latin America	5	5	2013	2021	2.65 (2.21 to 3.09)	<0.001
Australasia	4	0	1990	1994	7.89 (6.68 to 9.12)	<0.001
Australasia	4	1	1994	2002	4.45 (3.95 to 4.95)	<0.001
Australasia	4	2	2002	2012	3.29 (2.96 to 3.63)	<0.001
Australasia	4	3	2012	2016	5.94 (4.07 to 7.86)	<0.001
Australasia	4	4	2016	2021	1.51	0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(0.7 to 2.32)	
Caribbean	3	0	1990	1999	0.17 (-0.38 to 0.71)	0.531
Caribbean	3	1	1999	2002	-6.62 (-12.02 to -0.88)	0.026
Caribbean	3	2	2002	2015	0.84 (0.48 to 1.2)	<0.001
Caribbean	3	3	2015	2021	2.3 (1.28 to 3.34)	<0.001
Central Asia	5	0	1990	1992	4.34 (2.26 to 6.46)	<0.001
Central Asia	5	1	1992	1999	-0.63 (-0.97 to -0.29)	0.001
Central Asia	5	2	1999	2006	0.31 (-0.03 to 0.65)	0.072

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Central Asia	5	3	2006	2010	2.34 (1.31 to 3.37)	<0.001
Central Asia	5	4	2010	2017	-0.63 (-0.97 to -0.3)	0.001
Central Asia	5	5	2017	2021	0.54 (-0.1 to 1.18)	0.092
Central Europe	4	0	1990	2004	-0.96 (-1.13 to -0.8)	<0.001
Central Europe	4	1	2004	2009	2.37 (1.24 to 3.51)	<0.001
Central Europe	4	2	2009	2013	-2.4 (-4.09 to -0.67)	0.009
Central Europe	4	3	2013	2017	4.15 (2.34 to 5.99)	<0.001
Central Europe	4	4	2017	2021	0.04	0.938

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(-1.06 to 1.16)	
Central Latin America	2	0	1990	1992	2.16 (-4.91 to 9.74)	0.545
Central Latin America	2	1	1992	2000	-2.22 (-3.15 to -1.28)	<0.001
Central Latin America	2	2	2000	2021	1.85 (1.66 to 2.03)	<0.001
Central Sub-Saharan Africa	3	0	1990	1996	-0.06 (-0.28 to 0.16)	0.551
Central Sub-Saharan Africa	3	1	1996	2008	-1.82 (-1.91 to -1.74)	<0.001
Central Sub-Saharan Africa	3	2	2008	2017	-0.17 (-0.32 to -0.03)	0.018
Central Sub-Saharan Africa	3	3	2017	2021	1.72 (1.31 to 2.14)	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
East Asia	4	0	1990	1995	-0.54 (-1.76 to 0.7)	0.373
East Asia	4	1	1995	2001	2.12 (0.86 to 3.39)	0.002
East Asia	4	2	2001	2005	-3.89 (-6.51 to -1.18)	0.008
East Asia	4	3	2005	2015	2.17 (1.66 to 2.69)	<0.001
East Asia	4	4	2015	2021	-1.76 (-2.67 to -0.83)	0.001
Eastern Europe	5	0	1990	1994	4.06 (2.12 to 6.05)	<0.001
Eastern Europe	5	1	1994	2003	-1.24 (-1.88 to -0.59)	0.001
Eastern Europe	5	2	2003	2008	6.45	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(4.46 to 8.48)	
Eastern Europe	5	3	2008	2015	2.12 (1.09 to 3.16)	<0.001
Eastern Europe	5	4	2015	2018	-2.79 (-8.43 to 3.19)	0.328
Eastern Europe	5	5	2018	2021	2.53 (-0.49 to 5.64)	0.095
Eastern Sub-Saharan Africa	5	0	1990	1996	1.61 (1.5 to 1.73)	<0.001
Eastern Sub-Saharan Africa	5	1	1996	2000	0.29 (-0.04 to 0.62)	0.084
Eastern Sub-Saharan Africa	5	2	2000	2005	-0.49 (-0.7 to -0.28)	<0.001
Eastern Sub-Saharan Africa	5	3	2005	2009	-1.04 (-1.37 to -0.72)	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Eastern Sub-Saharan Africa	5	4	2009	2019	-0.13 (-0.19 to -0.07)	<0.001
Eastern Sub-Saharan Africa	5	5	2019	2021	1.05 (0.39 to 1.72)	0.004
High-income Asia Pacific	5	0	1990	1993	-0.29 (-1.08 to 0.5)	0.442
High-income Asia Pacific	5	1	1993	1996	6.51 (4.83 to 8.22)	<0.001
High-income Asia Pacific	5	2	1996	1999	-0.17 (-1.75 to 1.43)	0.824
High-income Asia Pacific	5	3	1999	2016	-2.69 (-2.75 to -2.63)	<0.001
High-income Asia Pacific	5	4	2016	2019	-4.96 (-6.46 to -3.44)	<0.001
High-income Asia Pacific	5	5	2019	2021	2.31	0.008

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(0.7 to 3.95)	
High-income North America	3	0	1990	2001	4.03 (3.86 to 4.2)	<0.001
High-income North America	3	1	2001	2007	2.33 (1.78 to 2.89)	<0.001
High-income North America	3	2	2007	2017	2.97 (2.75 to 3.2)	<0.001
High-income North America	3	3	2017	2021	-0.19 (-0.95 to 0.57)	0.602
North Africa and Middle East	4	0	1990	2002	0.84 (0.68 to 0.99)	<0.001
North Africa and Middle East	4	1	2002	2007	-0.81 (-1.63 to 0.03)	0.057
North Africa and Middle East	4	2	2007	2013	2.88 (2.27 to 3.49)	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
North Africa and Middle East	4	3	2013	2018	3.91 (3.05 to 4.79)	<0.001
North Africa and Middle East	4	4	2018	2021	1.2 (-0.13 to 2.54)	0.075
Oceania	3	0	1990	2005	0.59 (0.53 to 0.64)	<0.001
Oceania	3	1	2005	2009	-2.67 (-3.31 to -2.02)	<0.001
Oceania	3	2	2009	2014	-1.34 (-1.76 to -0.93)	<0.001
Oceania	3	3	2014	2021	-0.37 (-0.54 to -0.19)	<0.001
South Asia	1	0	1990	2004	0.9 (0.72 to 1.07)	<0.001
South Asia	1	1	2004	2021	1.96	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(1.83 to 2.09)	
Southeast Asia	4	0	1990	1996	1.25 (0.99 to 1.52)	<0.001
Southeast Asia	4	1	1996	2005	0.8 (0.63 to 0.97)	<0.001
Southeast Asia	4	2	2005	2010	0.18 (-0.31 to 0.66)	0.458
Southeast Asia	4	3	2010	2017	-0.46 (-0.72 to -0.2)	0.002
Southeast Asia	4	4	2017	2021	0.2 (-0.29 to 0.69)	0.400
Southern Latin America	4	0	1990	1998	1.88 (1.24 to 2.52)	<0.001
Southern Latin America	4	1	1998	2002	6.12 (3.11 to 9.21)	<0.001

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Southern Latin America	4	2	2002	2009	4.13 (3.12 to 5.15)	<0.001
Southern Latin America	4	3	2009	2012	8.01 (1.97 to 14.4)	0.011
Southern Latin America	4	4	2012	2021	1.17 (0.64 to 1.71)	<0.001
Southern Sub-Saharan Africa	4	0	1990	1995	4.99 (4.3 to 5.67)	<0.001
Southern Sub-Saharan Africa	4	1	1995	1998	10.09 (6.92 to 13.35)	<0.001
Southern Sub-Saharan Africa	4	2	1998	2004	3.09 (2.42 to 3.76)	<0.001
Southern Sub-Saharan Africa	4	3	2004	2013	-2.18 (-2.49 to -1.86)	<0.001
Southern Sub-Saharan Africa	4	4	2013	2021	0.26	0.101

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(-0.06 to 0.58)	
Tropical Latin America	2	0	1990	1998	-2.41 (-2.93 to -1.89)	<0.001
Tropical Latin America	2	1	1998	2015	2.84 (2.65 to 3.04)	<0.001
Tropical Latin America	2	2	2015	2021	-0.88 (-1.69 to -0.05)	0.038
Western Europe	5	0	1990	1994	2.67 (2.08 to 3.26)	<0.001
Western Europe	5	1	1994	1997	0.81 (-1.02 to 2.66)	0.363
Western Europe	5	2	1997	2000	3.31 (1.44 to 5.21)	0.002
Western Europe	5	3	2000	2005	0.22 (-0.36 to 0.8)	0.436

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
Western Europe	5	4	2005	2013	2.58 (2.33 to 2.83)	<0.001
Western Europe	5	5	2013	2021	0.04 (-0.16 to 0.24)	0.691
Western Sub-Saharan Africa	5	0	1990	1994	1.22 (1.01 to 1.44)	<0.001
Western Sub-Saharan Africa	5	1	1994	1999	0.14 (-0.08 to 0.35)	0.194
Western Sub-Saharan Africa	5	2	1999	2007	-1.37 (-1.46 to -1.28)	<0.001
Western Sub-Saharan Africa	5	3	2007	2014	0.26 (0.14 to 0.37)	<0.001
Western Sub-Saharan Africa	5	4	2014	2019	-0.46 (-0.67 to -0.25)	<0.001
Western Sub-Saharan Africa	5	5	2019	2021	1.15	0.003

Location	Joinpoint number	Segment order	Segment Start year	Segment End year	APC (95%CI)	P Value
					(0.46 to 1.84)	

Table S7 Changes in NALC deaths in men and Women at global and regional levels from 1990 to 2021, decomposed by three population-level determinants: population aging, population growth, and epidemiological changes.

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Andean Latin America	156.09	114.7	41.39	44.35 (28.41%)	35.46 (30.92%)	10.08 (24.36%)	84.09 (53.87%)	62.44 (54.44%)	21.15 (51.1%)	27.66 (17.72%)	16.8 (14.65%)	10.16 (24.54%)
Australasia	261.09	125.13	135.96	49.12 (18.81%)	20.38 (16.29%)	29.61 (21.78%)	62.71 (24.02%)	30.23 (24.16%)	32.46 (23.88%)	149.26 (57.17%)	74.52 (59.55%)	73.88 (54.34%)
Caribbean	67.79	33.27	34.52	28.35 (41.82%)	18.56 (55.78%)	10.17 (29.45%)	33.72 (49.74%)	19.84 (59.64%)	13.89 (40.24%)	5.72 (8.44%)	-5.13 (-15.42%)	10.46 (30.3%)
Central Asia	225.89	135.09	90.8	38.52 (17.05%)	9.88 (7.31%)	29.57 (32.56%)	149.88 (66.35%)	82.94 (61.4%)	66.57 (73.31%)	37.48 (16.59%)	42.27 (31.29%)	-5.34 (-5.88%)
Central Europe	268.13	123.93	144.2	222.54	134.34	88.05	10.75	7.07	3.86	34.84	-17.48	52.29

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(83%)	(108.4%)	(61.06%)	(4.01%)	(5.71%)	(2.67%)	(13%)	(-14.11%)	(36.26%)
Central Latin America	595.86	337.14	258.72	216.25 (36.29%)	139.51 (41.38%)	79.1 (30.57%)	277.26 (46.53%)	170.33 (50.52%)	108.17 (41.81%)	102.36 (17.18%)	27.3 (8.1%)	71.45 (27.62%)
Central Sub-Saharan Africa	118.37	75.52	42.85	-8.96 (-7.57%)	-0.59 (-0.78%)	-7.13 (-16.64%)	165.51 (139.83%)	93.62 (123.97%)	71.79 (167.55%)	-38.18 (-32.26%)	-17.52 (-23.19%)	-21.81 (-50.91%)
East Asia	6643.61	3098.0 4	3545.5 7	4545 (68.41%)	2208.69 (71.29%)	2329.81 (65.71%)	2195.39 (33.05%)	1091.12 (35.22%)	1102.21 (31.09%)	-96.78 (-1.46%)	-201.77 (-6.51%)	113.54 (3.2%)
Eastern Europe	409.08	210.62	198.46	151.35 (37%)	72.86 (34.59%)	87.21 (43.94%)	-12.44 (-3.04%)	-6.96 (-3.3%)	-5.48 (-2.76%)	270.18 (66.04%)	144.72 (68.71%)	116.73 (58.82%)
Eastern Sub-Saharan Africa	729.07	470.06	259.02	-62.68 (-8.6%)	-9.09 (-1.93%)	-40.96 (-15.81%)	766.07 (105.07)	486.07 (103.41)	279.06 (107.74)	25.69 (3.52%)	-6.92 (-1.47%)	20.92 (8.08%)

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
						)	%)	%)	%)			
Global	26249.7	12898.	13351.	7911.1	3745.16	4170.45	12436.23	6340.5	6094.42	5902.43	2812.94	3086.3
										(22.49%	(21.81%	(23.12%
	6	6	16	(30.14%)	(29.04%)	(31.24%)	(47.38%)	(49.16%)	(45.65%)	)	)	)
High SDI		2989.5	3235.2	2182.93	981.87	1256.04	1687.41	790.41	897.45	2354.5	1217.31	1081.76
	6224.84									(37.82%	(40.72%	(33.44%
		9	5	(35.07%)	(32.84%)	(38.82%)	(27.11%)	(26.44%)	(27.74%)	)	)	)
High-income Asia Pacific				1318.35	693.72	641.56				-585.4	-251.01	-351.48
	1053.35	603.02	450.33	(125.16	(115.04	(142.46	320.4	160.32	160.25	(-55.58	(-41.63	(-78.05
				%)	%)	%)	(30.42%)	(26.59%)	(35.58%)	%)	%)	%)
High-income North America		1125.1	1432.0	532.56	197.25	354.6	579.97	267.94	312.65	1444.68	659.98	764.79
	2557.22									(56.49%	(58.66%	(53.41%
		7	4	(20.83%)	(17.53%)	(24.76%)	(22.68%)	(23.81%)	(21.83%)	)	)	)
High-middle SDI		2033.3		1967.3	895.13	1105.4	1513.52	712.83	802.73	855.36	425.42	394.67
	4336.18		2302.8									
		8		(45.37%)	(44.02%)	(48%)	(34.9%)	(35.06%)	(34.86%)	(19.73%	(20.92%	(17.14%

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
										)	)	)
Low SDI	1757.28	1123.9 4	633.34	-109.7 (-6.24%)	-23.65 (-2.1%)	-74.82 (-11.81%)	1975.8 (112.43 %)	1163.87 (103.55 %)	814.25 (128.56 %)	-108.81 (-6.19%)	-16.28 (-1.45%)	-106.08 (-16.75 %)
Low-middle SDI	4896.26	2578.2 5	2318.0 1	878.79 (17.95%)	555.29 (21.54%)	330.04 (14.24%)	2694.72 (55.04%)	1473.79 (57.16%)	1227.34 (52.95%)	1322.75 (27.02%)	549.17 (21.3%)	760.63 (32.81%)
Middle SDI	9020.42	4166.6 1	4853.8 1	4063.99 (45.05%)	2033.5 (48.8%)	2014.45 (41.5%)	4087.2 (45.31%)	2071.18 (49.71%)	2015.52 (41.52%)	869.23 (9.64%)	61.93 (1.49%)	823.84 (16.97%)
North Africa and Middle East	2272.2	1006.5 8	1265.6 2	346.43 (15.25%)	186.46 (18.52%)	158.95 (12.56%)	1215.61 (53.5%)	599.38 (59.55%)	614.93 (48.59%)	710.17 (31.25%)	220.74 (21.93%)	491.74 (38.85%)
Oceania	14.21	6.92	7.29	2.18 (15.32%)	1 (14.5%)	1.19 (16.28%)	14.08 (99.09%)	6.95 (100.46	7.13 (97.83%)	-2.05 (-14.42	-1.03 (-14.96	-1.03 (-14.11

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
								%)		%)	%)	%)
South Asia	4094.41	2110.3	1984.0	800.65	440.02	353.78	2053.14	1022.01	1028.39	1240.62	648.29	601.92
		3	9	(19.55%)	(20.85%)	(17.83%)	(50.14%)	(48.43%)	(51.83%)	(30.3%)	(30.72%)	(30.34%)
											)	)
Southeast Asia	2782.72	1192.9	1589.7	1024.21	504.25	517.7	1507.67	674.73	836.77	250.85	14.01	235.27
		8	4	(36.81%)	(42.27%)	(32.56%)	(54.18%)	(56.56%)	(52.64%)	(9.01%)	(1.17%)	(14.8%)
Southern Latin America	139.14	70.21	68.93	20.61	10.98	9.71	37.28	19.36	17.91	81.25	39.87	41.32
				(14.81%)	(15.64%)	(14.08%)	(26.79%)	(27.58%)	(25.98%)	(58.4%)	(56.79%)	(59.94%)
											)	)
Southern Sub-Saharan Africa	445.37	200.61	244.76	62.29	38.02	22.58	201.51	105.09	96.63	181.58	57.49	125.56
				(13.99%)	(18.95%)	(9.22%)	(45.24%)	(52.39%)	(39.48%)	(40.77%)	(28.66%)	(51.3%)
											)	)
Tropical Latin America	308.87	166.81	142.06	115.31	71.56	43.97	136.26	81.79	54.97	57.3	13.45	43.12
				(37.33%)	(42.9%)	(30.95%)	(44.12%)	(49.03%)	(38.69%)	(18.55%)	(8.06%)	(30.35%)
										)	)	)

location	Overall difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Western Europe	1942.26	928.04	1014.2	676.55	299.54	397.49	338.37	161.14	176.75	927.34	467.36	439.99
			2	(34.83%)	(32.28%)	(39.19%)	(17.42%)	(17.36%)	(17.43%)	(47.75%)	(50.36%)	(43.38%)
										)	)	)
Western Sub-Saharan Africa	1165.02	764.43	400.59	-263.72	-163.21	-104.19	1542.13	964.93	590.09	-113.39	-37.28	-85.31
				(-22.64%)	(-21.35%)	(-26.01%)	(132.37	(126.23	(147.31	(-9.73%)	(-4.88%)	(-21.3%)
				)	)	)	%)	%)	%)			

Table S8 Changes in NALC deaths according to population-level determinants of population growth, aging, and epidemiological change from 1990 to 2021 in 203 countries

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Afghanistan	27.05	24.29	2.76	-40.63 (-150.19%)	-19.71 (-81.15%)	-16.6 (-601.83%)	57.25 (211.64%)	36.91 (151.94%)	18.23 (660.95%)	10.43 (38.55%)	7.1 (29.21%)	1.13 (40.88%)
Albania	16.52	5.45	11.08	27.45 (166.09%)	13.07 (239.82%)	14.46 (130.51%)	0.54 (3.29%)	0.68 (12.56%)	-0.12 (-1.07%)	-11.46 (-69.37%)	-8.3 (-152.38%)	-3.26 (-29.44%)
Algeria	65.25	32.04	33.21	13.79 (21.14%)	6.7 (20.9%)	7.13 (21.48%)	28.83 (44.19%)	15.01 (46.84%)	13.81 (41.58%)	22.63 (34.67%)	10.34 (32.26%)	12.27 (36.94%)
American Samoa	0.33	0.18	0.14	0.14 (43.74%)	0.08 (43.17%)	0.06 (44.45%)	0.05 (14.73%)	0.03 (14.34%)	0.02 (15.2%)	0.14 (41.52%)	0.08 (42.48%)	0.06 (40.35%)
Andorra	0.93	0.69	0.25	0.43 (45.76%)	0.29 (42.42%)	0.13 (50.5%)	0.43 (45.65%)	0.32 (46.06%)	0.12 (49.43%)	0.08 (8.59%)	0.08 (11.52%)	0 (0.06%)
Angola	42.87	22.48	20.39	-0.28	0.74	-1.55	60.61	27.56	32.27	-17.46	-5.82	-10.33

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(-0.66%)	(3.28%)	(-7.63%)	(141.4%)	(122.61%)	(158.3%)	(-40.74%)	(-25.89%)	(-50.67%)
								)		)		)
Antigua and Barbuda	0.14	0.06	0.08	0.01	0	0.02	0.11	0.05	0.06	0.01	0.01	0
				(9.31%)	(-3.6%)	(20.39%)	(82.71%)	(92.56%)	(76.67%)	(7.97%)	(11.04%)	(2.94%)
Argentina	48.42	22.55	25.87	5.16	2.77	2.45	14.53	7.29	7.22	28.73	12.48	16.2
				(10.66%)	(12.29%)	(9.45%)	(30%)	(32.35%)	(27.93%)	(59.34%)	(55.37%)	(62.62%)
Armenia	11.64	5.61	6.03	12.14	7.33	4.61	0.25	0.42	-0.09	-0.74	-2.14	1.5
				(104.28%	(130.66	(76.56%)	(2.11%)	(7.51%)	(-1.47%)	(-6.4%)	(-38.17%	(24.91%)
				)	%)						)	
Australia	231.1	109.95	121.2	43.81	17.96	26.85	54.22	25.99	28.19	133.12	65.99	66.16
	5			(18.95%)	(16.34%)	(22.16%)	(23.46%)	(23.64%)	(23.26%)	(57.59%)	(60.02%)	(54.59%)
Austria	39.24	16.35	22.89	8.48	2.96	6.6	6.39	2.6	3.81	24.37	10.79	12.49
				(21.61%)	(18.12%)	(28.81%)	(16.29%)	(15.88%)	(16.65%)	(62.1%)	(66%)	(54.54%)
Azerbaijan	49.5	24.23	25.27	8.54	3.19	5.55	23.06	12.56	10.28	17.9	8.49	9.44
				(17.26%)	(13.16%)	(21.98%)	(46.59%)	(51.82%)	(40.67%)	(36.15%)	(35.02%)	(37.35%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Bahamas	0.82	0.29	0.53	0.34 (41.15%)	0.14 (50.02%)	0.2 (36.93%)	0.46 (56.43%)	0.23 (78.72%)	0.23 (44.2%)	0.02 (2.43%)	-0.08 (-28.74%)	0.1 (18.88%)
Bahrain	3.8	1.45	2.35	1.18 (30.93%)	0.55 (37.99%)	0.65 (27.53%)	3.73 (98.08%)	1.48 (101.81%)	2.19 (93.39%)	-1.1 (-29.01%)	-0.58 (-39.8%)	-0.49 (-20.92%)
Bangladesh	201.9 6	94.09	107.86	63.61 (31.5%)	26.7 (28.37%)	36.91 (34.22%)	105.49 (52.23%)	46.82 (49.75%)	56.86 (52.71%)	32.86 (16.27%)	20.58 (21.87%)	14.1 (13.07%)
Barbados	0.89	0.56	0.33	0.26 (29.63%)	0.12 (22.05%)	0.13 (38.9%)	0.32 (35.46%)	0.2 (35.22%)	0.12 (35.21%)	0.31 (34.91%)	0.24 (42.73%)	0.09 (25.9%)
Belarus	12.78	3.22	9.56	7.75 (60.66%)	4.05 (126.04 %)	3.95 (41.36%)	-1.16 (-9.09%)	-0.59 (-18.42%)	-0.57 (-5.93%)	6.19 (48.43%)	-0.25 (-7.62%)	6.17 (64.57%)
Belgium	35.79	14.62	21.17	13.18 (36.82%)	6.17 (42.23%)	6.89 (32.54%)	7.15 (19.98%)	3.91 (26.75%)	3.16 (14.94%)	15.46 (43.2%)	4.54 (31.03%)	11.11 (52.51%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Belize	0.62	0.34	0.28	0.02 (3.33%)	0 (-0.81%)	0.02 (6.32%)	0.43 (68.42%)	0.27 (78.54%)	0.16 (56.86%)	0.18 (28.25%)	0.08 (22.27%)	0.1 (36.82%)
Benin	45.76	29.6	16.16	-12.25 (-26.77%)	-3.76 (-12.69%)	-7.99 (-49.46%)	70.43 (153.91%)	36.55 (123.48%)	33.83 (209.34%)	-12.42 (-27.14%)	-3.2 (-10.79%)	-9.68 (-59.88%)
Bermuda	0.07	0.01	0.06	0.18 (247.19%)	0.1 (650.83%)	0.08 (140.28%)	0.04 (52.37%)	0.02 (142.73%)	0.02 (28.65%)	-0.14 (-199.56%)	-0.1 (-693.56%)	-0.04 (-68.93%)
Bhutan	2.08	0.92	1.16	0.77 (37.34%)	0.31 (33.45%)	0.47 (40.89%)	0.67 (32.12%)	0.3 (32.99%)	0.36 (31.15%)	0.63 (30.54%)	0.31 (33.56%)	0.32 (27.96%)
Bolivia (Plurinational State of)	29.84	22.68	7.16	6.22 (20.84%)	5.11 (22.51%)	1.25 (17.41%)	17.57 (58.87%)	13.55 (59.74%)	3.76 (52.52%)	6.05 (20.29%)	4.03 (17.75%)	2.15 (30.07%)
Bosnia and Herzegovina	21.91	12.7	9.21	23.86 (108.9%)	13.48 (106.12%)	10.37 (112.6%)	-6.66 (-30.38%)	-3.37 (-26.54%)	-3.18 (-34.54%)	4.71 (21.48%)	2.59 (20.42%)	2.02 (21.94%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Botswana	8.1	3.63	4.46	1.02 (12.6%)	0.8 (21.9%)	0.22 (4.98%)	5.38 (66.41%)	2.77 (76.33%)	2.59 (58.09%)	1.7 (20.99%)	0.06 (1.77%)	1.65 (36.93%)
Brazil	297.6 9	160.8	136.89	113.38 (38.09%)	70.27 (43.7%)	43.3 (31.63%)	130.91 (43.98%)	78.59 (48.87%)	52.83 (38.59%)	53.4 (17.94%)	11.95 (7.43%)	40.76 (29.77%)
Brunei Darussalam	1.33	0.72	0.6	0.7 (52.74%)	0.37 (51.43%)	0.33 (55.27%)	1.04 (78.5%)	0.54 (74.82%)	0.5 (83.17%)	-0.41 (-31.24%)	-0.19 (-26.25%)	-0.23 (-38.44%)
Bulgaria	-39.0 9	-25.08	-14.01	29.82 (-76.27%)	23.61 (-94.13%)	7.71 (-55.02%)	-12.16 (31.1%)	-6.88 (27.42%)	-5.13 (36.59%)	-56.75 (145.17%)	-41.81 (166.71%)	-16.6 (118.43%)
Burkina Faso	82.3	53.5	28.8	-22.69 (-27.57%)	-10.08 (-18.84%)	-12.38 (-42.98%)	127.85 (155.34%)	62.78 (117.34%)	65.25 (226.57%)	-22.86 (-27.77%)	0.8 (1.5%)	-24.07 (-83.59%)
Burundi	5.29	3.75	1.54	-2.97 (-56.02%)	-3.18 (-84.85%)	-0.33 (-21.51%)	15.35 (289.86%)	11 (293.27%)	3.78 (245%)	-7.09 (-133.84)	-4.07 (-108.42)	-1.91 (-123.49)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
					)	)	)	)		%)	%)	%)
Cabo Verde	5.68	3.21	2.47	-1.2 (-21.19%)	-0.28 (-8.7%)	-0.68 (-27.56%)	4.13 (72.64%)	2.36 (73.32%)	1.61 (65.21%)	2.76 (48.54%)	1.14 (35.38%)	1.54 (62.35%)
Cambodia	43.23	28.64	14.59	14.72 (34.06%)	12.28 (42.88%)	3.45 (23.62%)	38.35 (88.72%)	23.54 (82.19%)	13.99 (95.91%)	-9.85 (-22.78%)	-7.18 (-25.07%)	-2.85 (-19.54%)
Cameroon	119.0 3	69.08	49.95	-22.09 (-18.55%)	-9.17 (-13.27%)	-11.97 (-23.96%)	181.92 (152.84%)	101.88 (147.48%)	79.47 (159.1%)	-40.81 (-34.29%)	-23.63 (-34.21%)	-17.55 (-35.14%)
Canada	418.1 2	223.5	194.62	111.01 (26.55%)	54.09 (24.2%)	56.8 (29.18%)	91.56 (21.9%)	49.61 (22.2%)	41.9 (21.53%)	215.55 (51.55%)	119.8 (53.6%)	95.93 (49.29%)
Central African Republic	2.63	1.81	0.82	-0.76 (-28.92%)	-0.3 (-16.45%)	-0.47 (-56.81%)	8.15 (309.23%)	3.71 (204.73%)	4.44 (538.05	-4.75 (-180.31	-1.6 (-88.28%	-3.14 (-381.24

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Chad	36.65	21.86	14.79	-21.64 (-59.03%)	-13.78 (-63.03%)	-8.35 (-56.44%)	60.76 (165.77%)	29.1 (133.11%)	32.1 (217.04%)	-2.47 (-6.74%)	6.54 (29.92%)	-8.96 (-60.6%)
Chile	80.98	44.27	36.72	22.27 (27.5%)	12.51 (28.26%)	9.82 (26.75%)	21.59 (26.66%)	11.74 (26.53%)	9.83 (26.76%)	37.12 (45.83%)	20.01 (45.21%)	17.07 (46.49%)
China	6281.15	2899.84	3381.31	4379.44 (69.72%)	2119.31 (73.08%)	2253.76 (66.65%)	2087.99 (33.24%)	1038.43 (35.81%)	1047.43 (30.98%)	-186.29 (-2.97%)	-257.9 (-8.89%)	80.11 (2.37%)
Colombia	116.85	69.28	47.57	55.68 (47.65%)	39.95 (57.66%)	17.17 (36.09%)	55.99 (47.92%)	37.17 (53.65%)	19.19 (40.34%)	5.18 (4.43%)	-7.84 (-11.31%)	11.21 (23.56%)
Comoros	2.29	1.75	0.54	0.63 (27.66%)	0.59 (33.44%)	0.12 (22.63%)	1.83 (79.83%)	1.31 (74.53%)	0.51 (94.43%)	-0.17 (-7.49%)	-0.14 (-7.97%)	-0.09 (-17.06%)
Congo	8.14	5.87	2.27	0.28 (3.49%)	-0.34 (-5.83%)	0.57 (24.92%)	14.26 (175.07%)	8.3 (141.45%)	5.92 (260.44%)	-6.4 (-78.56%)	-2.09 (-35.62%)	-4.21 (-185.35%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
							)	)	%)	)	)	%)
Cook Islands	0.21	0.08	0.13	0.15 (70.09%)	0.07 (86.53%)	0.08 (59.22%)	0.03 (13.99%)	0.02 (28.49%)	0 (3.9%)	0.03 (15.93%)	-0.01 (-15.02%)	0.05 (36.88%)
Costa Rica	30.81	15.88	14.93	9.43 (30.6%)	5.24 (32.98%)	4.19 (28.04%)	12.38 (40.2%)	6.95 (43.76%)	5.47 (36.66%)	8.99 (29.2%)	3.69 (23.26%)	5.27 (35.3%)
Croatia	16.21	6.19	10.02	14.53 (89.68%)	8.76 (141.63%)	5.62 (56.06%)	-1.78 (-10.98%)	-1.13 (-18.21%)	-0.65 (-6.51%)	3.45 (21.3%)	-1.45 (-23.42%)	5.06 (50.45%)
Cuba	15.26	8.03	7.23	16.32 (106.99%)	11.17 (139.23%)	5.54 (76.58%)	3.99 (26.18%)	2.75 (34.23%)	1.36 (18.81%)	-5.06 (-33.17%)	-5.9 (-73.46%)	0.33 (4.61%)
Cyprus	3.07	1.39	1.67	1.14 (37.15%)	0.54 (38.93%)	0.6 (35.92%)	1.96 (64.07%)	1.01 (72.55%)	0.95 (56.85%)	-0.04 (-1.21%)	-0.16 (-11.48%)	0.12 (7.23%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Czechia	-1.35	-5.78	4.43	20.41 (-1511.92)	10.63 (-184.04)	10 (225.94)	5.24 (-388.48)	2.37 (-40.95%)	2.74 (61.79%)	-27.01 (2000.4)	-18.77 (324.99%)	-8.31 (-187.73)
Democratic People's Republic of Korea	58.41	40.22	18.18	39.86 (68.24%)	26.17 (65.06%)	15.17 (83.41%)	45.95 (78.67%)	21.53 (53.52%)	23.76 (130.7%)	-27.4 (-46.91%)	-7.47 (-18.58%)	-20.75 (-114.11)
Democratic Republic of the Congo	55.96	41.3	14.66	-4.93 (-8.8%)	0.21 (0.52%)	-3.42 (-23.3%)	77.76 (138.97%)	50.5 (122.3%)	26.31 (179.43)	-16.88 (-30.16%)	-9.42 (-22.82%)	-8.23 (-56.12%)
Denmark	17.21	7.25	9.96	3.64 (21.15%)	1.35 (18.59%)	2.42 (24.27%)	2.08 (12.11%)	0.96 (13.3%)	1.11 (11.17%)	11.49 (66.74%)	4.94 (68.12%)	6.43 (64.56%)
Djibouti	3.38	2.01	1.37	0.61 (17.95%)	0.33 (16.41%)	0.25 (18.25%)	2.24 (66.24%)	1.39 (69.24%)	0.83 (60.6%)	0.54 (15.82%)	0.29 (14.35%)	0.29 (21.15%)
Dominica	0.21	0.09	0.12	0.04 (21.27%)	0.02 (18.37%)	0.03 (27%)	0.03 (14.01%)	0.01 (10.12%)	0.02 (16.73%)	0.13 (64.72%)	0.07 (71.52%)	0.07 (56.27%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Dominican Republic	15.02	7.9	7.12	4.21 (28.06%)	2.84 (35.96%)	1.47 (20.68%)	5.84 (38.9%)	3.15 (39.89%)	2.66 (37.37%)	4.96 (33.05%)	1.91 (24.15%)	2.99 (41.95%)
Ecuador	48.51	36.19	12.32	18.74 (38.62%)	15.13 (41.81%)	4.26 (34.54%)	32.89 (67.8%)	24.39 (67.39%)	8.49 (68.92%)	-3.12 (-6.42%)	-3.33 (-9.2%)	-0.43 (-3.45%)
Egypt	1115.93	465.1	650.83	106.05 (9.5%)	30.45 (6.55%)	66.72 (10.25%)	528.91 (47.4%)	261.99 (56.33%)	266.78 (40.99%)	480.96 (43.1%)	172.66 (37.12%)	317.33 (48.76%)
El Salvador	7.29	4.56	2.73	3.09 (42.34%)	2.17 (47.6%)	0.96 (35.01%)	3.22 (44.19%)	2.29 (50.29%)	1.01 (37.1%)	0.98 (13.48%)	0.1 (2.11%)	0.76 (27.89%)
Equatorial Guinea	2.71	1.42	1.29	-0.75 (-27.6%)	-0.23 (-16.24%)	-0.48 (-37.18%)	2.27 (83.75%)	1.24 (86.88%)	0.97 (74.96%)	1.19 (43.86%)	0.42 (29.36%)	0.8 (62.22%)
Eritrea	9.1	7.52	1.58	1.4 (15.38%)	1.46 (19.36%)	0.13 (8.46%)	7.39 (81.19%)	5.36 (71.33%)	1.84 (116.32%)	0.31 (3.43%)	0.7 (9.31%)	-0.39 (-24.78%)
Estonia	5.25	2.84	2.41	3.17	1.93	1.33	-0.84	-0.58	-0.28	2.92	1.49	1.37

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(60.43%)	(67.84%)	(55.03%)	(-16.09%)	(-20.31%)	(-11.69%)	(55.66%)	(52.47%)	(56.66%)
									)			
Eswatini	11.41	2.62	8.8	0.73 (6.36%)	0.53 (20.09%)	-0.16 (-1.81%)	4.44 (38.87%)	1.61 (61.59%)	2.96 (33.62%)	6.25 (54.77%)	0.48 (18.32%)	6 (68.19%)
Ethiopia	61.77	48.62	13.15	-5.77 (-9.35%)	0.39 (0.8%)	-3.56 (-27.08%)	103.32 (167.28%)	77.25 (158.88%)	24.61 (187.19%)	-35.78 (-57.93%)	-29.02 (-59.68%)	-7.9 (-60.11%)
						)	)	)	)	)	)	)
Fiji	2.9	1.47	1.43	1.18 (40.72%)	0.66 (44.68%)	0.52 (36.51%)	0.81 (27.93%)	0.42 (28.79%)	0.39 (27.09%)	0.91 (31.35%)	0.39 (26.53%)	0.52 (36.4%)
Finland	27.5	12.61	14.9	12.66 (46.04%)	5.79 (45.95%)	7.14 (47.91%)	4.08 (14.85%)	1.94 (15.38%)	2.06 (13.85%)	10.76 (39.11%)	4.87 (38.66%)	5.7 (38.24%)
France	401.1 3	197.84	203.29	150.65 (37.56%)	62.61 (31.65%)	96.64 (47.54%)	71.48 (17.82%)	31.9 (16.12%)	39.33 (19.35%)	179 (44.62%)	103.33 (52.23%)	67.31 (33.11%)
Gabon	6.05	2.64	3.41	-0.8 (-13.28%)	-0.71 (-26.71%)	-0.05 (-1.33%)	5.09 (84.14%)	2.79 (105.48%)	2.31 (67.76%)	1.76 (29.14%)	0.56 (21.23%)	1.14 (33.57%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
					)			)				
Gambia	29.11	13.63	15.48	1.28 (4.4%)	1.12 (8.19%)	0.05 (0.34%)	19.75 (67.83%)	9.02 (66.16%)	10.66 (68.86%)	8.08 (27.77%)	3.5 (25.65%)	4.77 (30.8%)
Georgia	-2.64	-3.09	0.45	7.49 (-283.91 %)	4.06 (-131.43 %)	3.53 (785.3%)	-8.38 (317.98%)	-4.58 (148.38%)	-3.8 (-844.15 %)	-1.74 (65.93%)	-2.56 (83.05%)	0.71 (158.85 %)
Germany	420.3 7	176.82	243.55	153.75 (36.57%)	62.34 (35.26%)	97.55 (40.05%)	40.7 (9.68%)	13.6 (7.69%)	25.54 (10.48%)	225.93 (53.74%)	100.88 (57.05%)	120.46 (49.46%)
Ghana	105.5 8	51.14	54.44	6.64 (6.29%)	7.55 (14.75%)	-1.01 (-1.86%)	108.28 (102.55%)	61.03 (119.33%)	47.74 (87.7%)	-9.33 (-8.84%)	-17.43 (-34.08%)	7.71 (14.16%)
Greece	58.58	31	27.58	25.39 (43.33%)	15.94 (51.43%)	9.17 (33.25%)	2.36 (4.03%)	1.79 (5.77%)	0.68 (2.47%)	30.84 (52.64%)	13.27 (42.8%)	17.73 (64.28%)
Greenland	0.3	0.15	0.15	0.23 (77.32%)	0.09 (57.1%)	0.14 (97.33%)	0.02 (7.93%)	0.02 (12.95%)	0 (2.99%)	0.04 (14.75%)	0.05 (29.95%)	0 (-0.32%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Grenada	0.29	0.13	0.16	-0.03 (-11.04%)	-0.02 (-12.15%)	-0.13 (-80.53%)	0.12 (39.98%)	0.06 (44.61%)	0.07 (45.29%)	0.21 (71.06%)	0.08 (67.54%)	0.22 (135.24%)
Guam	1.04	0.33	0.71	0.47 (45.74%)	0.18 (55.73%)	0.3 (41.7%)	0.17 (16.22%)	0.08 (24.74%)	0.08 (10.78%)	0.39 (38.03%)	0.06 (19.54%)	0.34 (47.52%)
Guatemala	40	24.17	15.84	11.58 (28.96%)	7.65 (31.64%)	4.18 (26.42%)	33.31 (83.26%)	20.48 (84.76%)	12.96 (81.85%)	-4.89 (-12.22%)	-3.96 (-16.4%)	-1.31 (-8.28%)
Guinea	50.27	31.38	18.89	-31.65 (-62.95%)	-19.5 (-62.13%)	-12.57 (-66.56%)	89.41 (177.84%)	53.5 (170.47%)	35.99 (190.51%)	-7.49 (-14.89%)	-2.62 (-8.34%)	-4.52 (-23.95%)
Guinea-Bissau	3.87	3.23	0.64	-2.52 (-65.13%)	-0.76 (-23.4%)	-1.8 (-280.8%)	10.93 (282.08%)	4.82 (149.09%)	6.11 (952.9%)	-4.53 (-116.95%)	-0.83 (-25.69%)	-3.67 (-572.1%)
Guyana	0.69	0.35	0.34	0.44	0.29	0.16	0.15	0.1	0.05	0.1	-0.04	0.13

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(64.67%)	(82.99%)	(47.48%)	(21.22%)	(27.67%)	(15.22%)	(14.11%)	(-10.66%)	(37.29%)
											)	
				-0.21	-0.1	-0.09	5.43	4.06	1.35	-0.86	-0.75	-0.11
Haiti	4.35	3.2	1.15	(-4.87%)	(-3.22%)	(-7.65%)	(124.72%)	(126.75%)	(117.57	(-19.86%	(-23.53%	(-9.91%)
							)	)	%)	)	)	
				1.72	1.37	0.46	11.15	8.02	3.22	8.9	5.92	2.78
Honduras	21.77	15.31	6.46	(7.92%)	(8.93%)	(7.1%)	(51.22%)	(52.39%)	(49.81%)	(40.86%)	(38.69%)	(43.09%)
				12.36	8.11	4.25				-15.6	-13.61	-2.02
Hungary	-3.49	-5.57	2.07	(-353.74	(-145.59	(204.98	-0.25	-0.07	-0.16	(446.52	(244.33%	(-97.4%)
				%)	%)	%)	(7.21%)	(1.26%)	(-7.58%)	%)	)	
				0.35	0.14	0.22	0.44	0.2	0.24	0.66	0.26	0.39
Iceland	1.45	0.59	0.85	(24.3%)	(24.1%)	(25.34%)	(30.38%)	(32.88%)	(28.68%)	(45.32%)	(43.02%)	(45.98%)
	3571.		1746.5	773.03	414.75	347.85	1712.98	832.3	877.63	1085.73	578.18	521.04
India	74	1825.22	2	(21.64%)	(22.72%)	(19.92%)	(47.96%)	(45.6%)	(50.25%)	(30.4%)	(31.68%)	(29.83%)
Indonesia	770.7	322.63	448.16	196.88	95.42	101.64	361.89	161.97	200.78	212.02	65.24	145.74

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Iran (Islamic Republic of)	9			(25.54%)	(29.57%)	(22.68%)	(46.95%)	(50.2%)	(44.8%)	(27.51%)	(20.22%)	(32.52%)
	278.9	154.13	124.8	81.55	48.93	31.72	112.41	65.15	47.3	84.97	40.04	45.78
	3			(29.24%)	(31.75%)	(25.42%)	(40.3%)	(42.27%)	(37.9%)	(30.46%)	(25.98%)	(36.68%)
Iraq	103.0			4.73	2.79	1.85	72.12	37.55	34.54	26.24	10.87	15.5
	9	51.2	51.89	(4.59%)	(5.45%)	(3.56%)	(69.96%)	(73.33%)	(66.56%)	(25.45%)	(21.23%)	(29.87%)
Ireland				3.22	1.42	1.66	5.02	3	2.03	7.94	4.24	3.83
	16.18	8.66	7.52	(19.91%)	(16.45%)	(22.11%)	(31.04%)	(34.62%)	(27.03%)	(49.05%)	(48.93%)	(50.86%)
Israel				4.18	2.65	1.64	11.84	6.33	5.51	1.67	-0.35	1.92
	17.7	8.63	9.07	(23.61%)	(30.69%)	(18.1%)	(66.93%)	(73.37%)	(60.76%)	(9.46%)	(-4.06%)	(21.14%)
Italy					59.05	62.78				-96.76	-52.59	-46.8
				119.32	(312.22	(202.73	27.33	12.45	14.98	(-193.98	(-278.06	(-151.11
	49.88	18.91	30.97	(239.2%)	%)	%)	(54.78%)	(65.84%)	(48.38%)	(%)	(%)	(%)
Jamaica				0.61	0.37	0.25	1.43	0.83	0.59	2.12	1.16	0.97
	4.17	2.36	1.8	(14.74%)	(15.73%)	(13.65%)	(34.44%)	(35.15%)	(32.72%)	(50.82%)	(49.12%)	(53.63%)
Japan	632.7	409.39	223.37	782.17	412.8	384.09	99.09	50.77	47.87	-248.5	-54.18	-208.6

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Jordan	6			(123.61%	(100.83	(171.95	(15.66%)	(12.4%)	(21.43%)	(-39.27%	(-13.23%	(-93.38%
				)	%)	%)				)	)	)
	12.74	6.11	6.63	2.79	1.37	1.42	10.22	5.17	5.02	-0.26	-0.42	0.19
				(21.87%)	(22.42%)	(21.36%)	(80.21%)	(84.52%)	(75.74%)	(-2.08%)	(-6.95%)	(2.9%)
Kazakhstan				13.88	4.53	10.33	16.85	9.25	7.65	-40.12	-12.21	-28.95
	-9.39	1.57	-10.96	(-147.73	(288.56	(-94.26%	(-179.34	(589.49%	(-69.82%	(427.07	(-778.05	(264.08
Kenya				%)	%)	)	%)	)	)	%)	%)	%)
	136.3			4.76	6	0.6	79.41	51.77	27.56	52.22	25.43	25.03
	9	83.2	53.19	(3.49%)	(7.21%)	(1.12%)	(58.22%)	(62.22%)	(51.82%)	(38.29%)	(30.57%)	(47.05%)
Kiribati				0.04	0.03	0.01	0.21	0.15	0.06	0.02	0.02	-0.01
	0.27	0.21	0.06	(16.28%)	(16.13%)	(17.87%)	(77.31%)	(74.02%)	(91.76%)	(6.41%)	(9.85%)	(-9.63%)
Kuwait						1.34	5.06	2.25	2.75	-4.62	-1.72	-2.87
	2.31	1.09	1.22	1.88	0.55	(109.73	(218.81%	(206.33%	(225.59	(-199.91	(-157.07	(-235.31
				(81.1%)	(50.74%)	%)	)	)	%)	%)	%)	%)
Kyrgyzstan	-0.4	-1.36	0.96	-0.59	-0.95	0.39	6.79	3.75	3.01	-6.6	-4.15	-2.45

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(147.12%	(70.09%)	(40.79%)	(-1698.72	(-275.95	(314.73	(1651.6	(305.85%	(-255.52
				)			%)	%)	%)	%)	)	%)
							16.31	7.28	9.11	-6.79		-3.96
Lao People's Democratic Republic	10.48	5.14	5.34	0.96 (9.19%)	0.74 (14.37%)	0.2 (3.7%)	(155.59%	(141.73%	(170.46	(-64.78%	-2.88 (-56.1%)	(-74.16%
							)	)	%)	)		)
						1.59						
Latvia	4.12	2.57	1.55	3.93 (95.32%)	2.41 (93.91%)	(102.24 %)	-2.83 (-68.63%)	-1.68 (-65.4%)	-1.14 (-73.6%)	3.02 (73.31%)	1.84 (71.49%)	1.11 (71.36%)
										-1.01	-1.23	
Lebanon	8.79	4.86	3.93	2.8 (31.88%)	2.04 (41.93%)	0.76 (19.26%)	6.99 (79.59%)	4.05 (83.27%)	2.92 (74.44%)	(-11.47%	(-25.21%	0.25 (6.29%)
										)	)	
					-0.67	-1.59						
Lesotho	15.68	5.91	9.77	-2.12 (-13.54%)	(-11.28%	(-16.29%	4.84 (30.89%)	1.71 (28.97%)	3.29 (33.69%)	12.96 (82.65%)	4.87 (82.31%)	8.07 (82.59%)
					)	)						
Liberia	19.94	11.27	8.66	-12.19	-4.89	-7.17	33.36	14.98	18.39	-1.23	1.18	-2.56

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Libya	38.73	21.18	17.55	(-61.15%)	(-43.35%)	(-82.74%)	(167.33%)	(132.9%)	(212.28	(-6.18%)	(10.45%)	(-29.53%
					)	)	)		%)			)
				5.15	2.86	2.28	19.79	12.14	7.92	13.79	6.18	7.36
Lithuania	9.18	4.27	4.91	(13.3%)	(13.5%)	(12.97%)	(51.1%)	(57.31%)	(45.11%)	(35.6%)	(29.19%)	(41.92%)
				5.86	3.71	2.22	-2.63	-1.37	-1.23	5.94	1.93	3.92
				(63.87%)	(86.89%)	(45.28%)	(-28.6%)	(-32.13%)	(-25.16%	(64.73%)	(45.24%)	(79.88%)
Luxembourg	1.96	0.98	0.98						)			
				0.26	0.06	0.21	1.09	0.59	0.49	0.61	0.33	0.29
				(13.28%)	(6.41%)	(20.99%)	(55.49%)	(60.19%)	(49.74%)	(31.24%)	(33.4%)	(29.27%)
Madagascar	23.68	18.83	4.84	-5.68	-3.25	-1.85	31.06	22.63	8.58	-1.7	-0.54	-1.88
				(-24%)	(-17.28%	(-38.28%	(131.2%)	(120.17%	(177.11	(-7.2%)	(-2.89%)	(-38.83%
					)	)	)	)	%)			)
Malawi	32.6	15.93	16.67			-1.97						
				-3.1	-0.98		24.09	13.63	10.51	11.6	3.28	8.13
				(-9.5%)	(-6.16%)	(-11.84%	(73.91%)	(85.55%)	(63.08%)	(35.59%)	(20.61%)	(48.76%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Malaysia	146.0	58.93	87.08	33.43 (22.89%)	15.61 (26.49%)	17.81 (20.45%)	69.25 (47.43%)	30.29 (51.39%)	39.09 (44.89%)	43.33 (29.68%)	13.04 (22.12%)	30.18 (34.66%)
Maldives	1	0.18	0.82	0.14 (14.48%)	0.1 (54.02%)	-0.13 (-16.43%)	1.07 (107.15%)	0.16 (87.29%)	1.04 (127.45%)	-0.22 (-21.63%)	-0.08 (-41.3%)	-0.09 (-11.02%)
Mali	144.6	57.68	86.92	-31.93 (-22.08%)	-13.39 (-23.22%)	-18.66 (-21.47%)	154.73 (107.01%)	64.32 (111.51%)	91 (104.7%)	21.8 (15.08%)	6.75 (11.7%)	14.58 (16.77%)
Malta	1.49	0.54	0.95	0.7 (46.83%)	0.32 (57.97%)	0.4 (41.67%)	0.35 (23.41%)	0.15 (26.93%)	0.21 (21.6%)	0.44 (29.76%)	0.08 (15.11%)	0.35 (36.74%)
Marshall Islands	0.09	0.05	0.04	0.02 (23.21%)	0.01 (20.06%)	0.01 (26.2%)	0.04 (47.58%)	0.03 (51.65%)	0.02 (42.43%)	0.03 (29.21%)	0.01 (28.29%)	0.01 (31.38%)
Mauritania	21.99	12.41	9.58	-2.12 (-9.63%)	-3.08 (-24.78%)	1.15 (12.01%)	43 (195.54%)	20.64 (166.25%)	22.39 (233.71%)	-18.89 (-85.91%)	-5.15 (-41.47%)	-13.96 (-145.72%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Mauritius	-1.43	-1.03	-0.41	2.03 (-142.22 %)	1.19 (-116.1%)	0.81 (-199.61 %)	1 (-70.22%)	0.64 (-62.02%)	0.37 (-92.32%)	-4.47 (312.44 %)	-2.85 (278.12%)	-1.59 (391.93 %)
Mexico	318.9 7	178.03	140.94	90.67 (28.43%)	56.69 (31.84%)	35.42 (25.13%)	116 (36.37%)	67.71 (38.03%)	48.62 (34.5%)	112.3 (35.21%)	53.63 (30.13%)	56.89 (40.37%)
Micronesia (Federated States of)	0.2	0.1	0.1	0.06 (31.06%)	0.03 (33.71%)	0.03 (28.42%)	0.07 (35.19%)	0.04 (37.51%)	0.03 (32.79%)	0.07 (33.75%)	0.03 (28.78%)	0.04 (38.8%)
Monaco	0.48	0.22	0.26	0.05 (11.03%)	0.01 (6.06%)	0.04 (16.82%)	0.09 (18.42%)	0.04 (17.19%)	0.05 (19.73%)	0.34 (70.55%)	0.17 (76.75%)	0.17 (63.46%)
Mongolia	83.55	56.44	27.1	11.11 (13.3%)	6.05 (10.72%)	4.75 (17.54%)	39.33 (47.07%)	24.28 (43.02%)	15.24 (56.23%)	33.11 (39.63%)	26.11 (46.26%)	7.11 (26.23%)
Montenegro	4.15	2.37	1.77	1.98 (47.64%)	1.14 (47.97%)	0.83 (46.89%)	0.46 (11.19%)	0.31 (13.08%)	0.16 (9.18%)	1.71 (41.17%)	0.92 (38.95%)	0.78 (43.93%)
Morocco	16.17	6.63	9.55	3.67 (22.68%)	1.66 (24.98%)	1.97 (20.66%)	6.27 (38.76%)	2.62 (39.57%)	3.67 (38.44%)	6.24 (38.55%)	2.35 (35.44%)	3.9 (40.9%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Mozambique	183.59	91.95	91.64	-53.1 (-28.93%)	-18.33 (-19.93%)	-33.25 (-36.29%)	170.43 (92.83%)	95.69 (104.06%)	74.91 (81.75%)	66.26 (36.09%)	14.6 (15.87%)	49.98 (54.54%)
Myanmar	77.28	44.77	32.52	29.21 (37.8%)	19.44 (43.43%)	9.89 (30.4%)	44.49 (57.57%)	28.05 (62.67%)	16.87 (51.89%)	3.58 (4.63%)	-2.73 (-6.1%)	5.76 (17.71%)
Namibia	3.46	1.71	1.75	0.3 (8.53%)	0.27 (16.08%)	0.03 (1.93%)	2.09 (60.46%)	1.34 (78.32%)	0.77 (43.81%)	1.07 (31%)	0.1 (5.61%)	0.95 (54.26%)
Nauru	0.01	0	0	0 (37.22%)	0 (82.03%)	0 (-90.69%)	0.01 (89.86%)	0 (75.49%)	0 (123.05%)	0 (-27.08%)	0 (-57.52%)	0 (67.64%)
Nepal	63.1	29.06	34.05	10.22 (16.19%)	5.14 (17.7%)	5.05 (14.85%)	25.01 (39.63%)	12.85 (44.21%)	11.96 (35.14%)	27.88 (44.18%)	11.07 (38.09%)	17.03 (50.01%)
Netherlands	65.65	33.54	32.1	19.55 (29.78%)	8.41 (25.08%)	11.32 (35.26%)	8.67 (13.21%)	4.58 (13.66%)	4.06 (12.63%)	37.42 (57.01%)	20.55 (61.27%)	16.73 (52.11%)
New Zealand	29.94	15.19	14.75	5.49	2.41	2.96	8.47	4.25	4.23	15.98	8.53	7.57

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Nicaragua	11.69	6.84	4.85	(18.34%)	(15.87%)	(20.06%)	(28.29%)	(27.98%)	(28.65%)	(53.37%)	(56.15%)	(51.29%)
				3.03	2.01	1.08	6.8	4.04	2.74	1.86	0.79	1.02
				(25.93%)	(29.43%)	(22.34%)	(58.16%)	(59.04%)	(56.56%)	(15.92%)	(11.53%)	(21.09%)
Niger	44.52	35.9	8.62	-1.03	2.29	-2.75	81.07	42.6	38.21	-35.52	-9	-26.84
				(-2.32%)	(6.38%)	(-31.89%)	(182.1%)	(118.69%)	(443.19	(-79.78%	(-25.07%	(-311.31
						)	)	)	)	)	)	)
Nigeria	325.07	266.14	58.93	-108.07	-103.13	-18.07	411.02	358.22	80.35	22.11	11.04	-3.36
				(-33.25%)	(-38.75%	(-30.66%	(126.44%	(134.6%)	(136.36	(6.8%)	(4.15%)	(-5.7%)
					)	)	)	)	)			
Niue	0	0	0	0	0	0	0	0	0	0	0	0
				(34.3%)	(24.23%)	(37.02%)	(-48.38%)	(-171.87	(-27.48%	(114.08	(247.64%	(90.46%)
								)	)	)	)	
North Macedonia	12.56	5.26	7.3	7.36	4.76	2.78	5.09	2.82	2.22	0.11	-2.32	2.31
				(58.56%)	(90.49%)	(38.08%)	(40.54%)	(53.69%)	(30.33%)	(0.9%)	(-44.19%	(31.59%)
											)	

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Northern Mariana Islands	0.33	0.13	0.2	0.23 (69.27%)	0.12 (88.68%)	0.11 (54.75%)	0.03 (9.24%)	0.02 (12.73%)	0.01 (7.09%)	0.07 (21.49%)	0 (-1.42%)	0.08 (38.16%)
Norway	18.21	10.09	8.12	1.64 (9.01%)	0.41 (4.06%)	1.2 (14.74%)	4.11 (22.55%)	2.16 (21.43%)	1.88 (23.12%)	12.47 (68.45%)	7.52 (74.51%)	5.05 (62.14%)
Oman	7.56	2.3	5.26	-0.13 (-1.67%)	-0.09 (-3.81%)	-0.02 (-0.37%)	4.82 (63.72%)	1.71 (74.68%)	3.1 (58.87%)	2.87 (37.95%)	0.67 (29.13%)	2.18 (41.5%)
Pakistan	255.5 4	161.03	94.5	-26.78 (-10.48%)	-13.25 (-8.23%)	-10.05 (-10.63%)	196.7 (76.98%)	128.05 (79.52%)	70.89 (75.01%)	85.61 (33.5%)	46.23 (28.71%)	33.66 (35.62%)
Palau	0.11	0	0.11	0.05 (47%)	0 (51.53%)	0.05 (44.19%)	0.03 (30.1%)	0 (27.44%)	0.04 (36.9%)	0.03 (22.9%)	0 (21.03%)	0.02 (18.9%)
Palestine	9.76	4.87	4.9	-0.96 (-9.79%)	-0.54 (-11%)	-0.44 (-8.9%)	11.39 (116.68%)	6.22 (127.83%)	5.11 (104.3%)	-0.67 (-6.89%)	-0.82 (-16.83%)	0.23 (4.6%)
Panama	10.92	6.42	4.5	3.94	2.48	1.49	6.38	3.8	2.6	0.6	0.13	0.41

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Papua New Guinea	5.78	3.03	2.74	(36.04%)	(38.68%)	(33.17%)	(58.45%)	(59.25%)	(57.66%)	(5.52%)	(2.08%)	(9.17%)
				0.4	0.11	0.28	7.88	4.11	3.77	-2.5	-1.19	-1.31
				(6.85%)	(3.67%)	(10.17%)	(136.47%	(135.57%	(137.59	(-43.32%	(-39.25%	(-47.76%
							)	)	%)	)	)	)
Paraguay	11.17	6	5.17	1.46	0.93	0.55	5.57	3.37	2.19	4.15	1.7	2.44
				(13.03%)	(15.47%)	(10.58%)	(49.83%)	(56.17%)	(42.28%)	(37.14%)	(28.36%)	(47.14%)
Peru	77.74	55.83	21.91	19.66	15.49	4.64	34.85	25.54	9.09	23.23	14.8	8.17
				(25.29%)	(27.75%)	(21.19%)	(44.83%)	(45.74%)	(41.5%)	(29.88%)	(26.5%)	(37.31%)
Philippines	293.4	138.43	155	77.01	41.88	34.78	197.8	83.25	115.18	18.61	13.29	5.04
	2			(26.25%)	(30.25%)	(22.44%)	(67.41%)	(60.14%)	(74.31%)	(6.34%)	(9.6%)	(3.25%)
Poland	103.8	59.37	44.46	31	20.02	10.5	9.02	5.98	3.03	63.81	33.37	30.92
	3			(29.86%)	(33.72%)	(23.62%)	(8.69%)	(10.07%)	(6.82%)	(61.45%)	(56.21%)	(69.56%)
Portugal	61.39	23.85	37.55	19.99	9.88	10.4	6.29	3.12	3.09	35.11	10.85	24.05
				(32.56%)	(41.43%)	(27.7%)	(10.25%)	(13.08%)	(8.24%)	(57.19%)	(45.49%)	(64.06%)
Puerto Rico	17.49	6.11	11.39	11.73	6.43	5.3	1.66	0.95	0.7	4.1	-1.27	5.39

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(67.06%)	(105.32	(46.51%)	(9.48%)	(15.5%)	(6.14%)	(23.46%)	(-20.82%	(47.35%)
				%)						)		
Qatar	14.93	4.35	10.58	0.87	0.45	0.44	11.17	3.72	7.41	2.89	0.18	2.73
				(5.82%)	(10.32%)	(4.14%)	(74.83%)	(85.58%)	(70.02%)	(19.35%)	(4.1%)	(25.84%)
				812.7	420.6	399.7				-693.09	-382.04	-318.48
Republic of Korea	400.1	184.25	215.88	(203.11%	(228.27	(185.15	280.52	145.69	134.65	(-173.22	(-207.34	(-147.52
	3			)	%)	%)	(70.11%)	(79.07%)	(62.37%)	%)	%)	%)
				4.34	2.44	1.92	-0.51	-0.33	-0.19	2.4	1.14	1.24
Republic of Moldova	6.23	3.25	2.97	(69.67%)	(75.06%)	(64.61%)	(-8.23%)	(-10.04%)	(-6.29%)	(38.56%)	(34.97%)	(41.68%)
				28.12	17.58	10.64	-7.62	-3.77	-3.8	60.1	30.13	29.8
Romania	80.6	43.95	36.65	(34.89%)	(40.01%)	(29.04%)	(-9.45%)	(-8.57%)	(-10.36%	(74.56%)	(68.56%)	(81.32%)
									)			
	385.2			111.69	51.95	67.09	8.6	5.34	3.3	264.93	152.48	105.07
Russian Federation		209.76	175.46	(28.99%)	(24.76%)	(38.24%)	(2.23%)	(2.54%)	(1.88%)	(68.77%)	(72.69%)	(59.88%)
	2											
Rwanda	16.56	13.28	3.28	1.47	2.02	-0.01	23.55	17.64	5.99	-8.46	-6.38	-2.7

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(8.86%)	(15.21%)	(-0.32%)	(142.23%)	(132.84%)	(182.67	(-51.09%	(-48.05%	(-82.35%
							)	)	%)	)	)	)
				-0.02	-0.01	-0.01	0.12	0.06	0.06	0	-0.04	0.05
Saint Kitts and Nevis	0.1	0	0.1	(638.22	(638.22	(-9.51%)	(120.08%	(-2743.05	(60.39%)	0	(2204.83	(49.12%)
				(-23.49%)	%)	)	%)	%)	(3.41%)	(3.41%)	%)	(49.12%)
								0.08		-0.07	-0.07	0
Saint Lucia	0.2	0.07	0.13	0.13	0.07	0.06	0.15	(105.18%	0.07	(-35.95%	(-100.75	(2.22%)
				(63.05%)	(95.57%)	(44.4%)	(72.9%)	)	(53.38%)	)	%)	(2.22%)
					0.04					-0.03	-0.04	0.01
Saint Vincent and the				0.12		0.08	0.08	0.03	0.05			0.01
Grenadines	0.16	0.03	0.13	(72.67%)	(135.11	(60.97%)	(46.84%)	(95.49%)	(34.81%)	(-19.52%	(-130.6%	(4.22%)
					%)	)	)	)	)	)	)	
				0.13	0.05	0.09	0.18	0.08	0.1	0	0.03	-0.03
Samoa	0.31	0.16	0.16	(42.34%)	(30.29%)	(55.83%)	(58.58%)	(52.16%)	(63.77%)	(-0.92%)	(17.55%)	(-19.6%)
				0.03	0.01	0.02	0.03	0.01	0.02	0.02	0.01	0.01
San Marino	0.08	0.04	0.05	(39.62%)	(34.16%)	(46.08%)	(37.17%)	(39.05%)	(35.13%)	(23.21%)	(26.79%)	(18.79%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Sao Tome and Principe	0.15	0.08	0.07	-0.07 (-44.93%)	-0.04 (-45.94%)	-0.02 (-32.19%)	0.2 (129.98%)	0.1 (121.35%)	0.1 (139.83%)	0.02 (14.95%)	0.02 (24.59%)	-0.01 (-7.63%)
Saudi Arabia	131.77	43.12	88.65	-6.16 (-4.67%)	-2.19 (-5.08%)	-2.21 (-2.49%)	105.86 (80.33%)	35.98 (83.44%)	69.59 (78.5%)	32.07 (24.34%)	9.33 (21.64%)	21.26 (23.99%)
Senegal	64.22	51.31	12.91	1.15 (1.79%)	5.21 (10.15%)	-1.73 (-13.42%)	69.42 (108.1%)	43.91 (85.57%)	24.82 (192.32%)	-6.35 (-9.89%)	2.2 (4.28%)	-10.18 (-78.9%)
Serbia	30.67	15.71	14.96	25.9 (84.46%)	15.91 (101.28%)	9.96 (66.59%)	0.99 (3.23%)	0.61 (3.91%)	0.39 (2.59%)	3.77 (12.31%)	-0.82 (-5.19%)	4.61 (30.83%)
Seychelles	0.07	-0.05	0.11	0.1 (145.18%)	0.03 (-73.19%)	0.07 (65.18%)	0.28 (408.75%)	0.1 (-231.97%)	0.18 (160.22%)	-0.32 (-453.92%)	-0.18 (405.16%)	-0.14 (-125.4%)
Sierra Leone	9.41	12.31	-2.9	-9.21	-3.79	-5.18	33.8	16.6	17.18	-15.18	-0.5	-14.9

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Singapore	19.13	8.65	10.48	(-97.94%)	(-30.81%	(178.69	(359.26%	(134.92%	(-593.18	(-161.33	(-4.1%)	(514.49
				)	)	)	)	)	)	)	)	)
				11.39	4.91	6.7	11.26	4.83	6.5	-3.52	-1.09	-2.72
				(59.55%)	(56.74%)	(63.94%)	(58.86%)	(55.82%)	(62.01%)	(-18.42%	(-12.57%	(-25.95%
				)	)	)	)	)	)	)	)	)
Slovakia	8.09	2.48	5.61	9.91	6.24	3.8	4.38	2.57	1.78	-6.21	-6.33	0.02
				(122.55%	(251.67	(67.79%)	(54.22%)	(103.73%	(31.83%)	(-76.77%	(-255.4%	(0.38%)
				)	)	)	)	)	)	)	)	)
Slovenia	14.21	5.43	8.77	7.52	3.8	3.98	1.83	0.73	1.06	4.86	0.9	3.72
				(52.92%)	(69.98%)	(45.42%)	(12.89%)	(13.49%)	(12.14%)	(34.19%)	(16.53%)	(42.44%)
Solomon Islands	0.85	0.43	0.42	0.1	0.07	0.02	0.83	0.34	0.48	-0.08	0.01	-0.08
				(11.77%)	(17.12%)	(3.7%)	(98%)	(79.9%)	(114.77	(-9.76%)	(2.98%)	(-18.46%
				)	)	)	)	)	)	)	)	)
Somalia	37.96	27.7	10.27	-2.55	0.77	-2.59	43.98	27.43	16.58	-3.47	-0.5	-3.72
				(-6.72%)	(2.77%)	(-25.28%	(115.85%	(99.05%)	(161.49	(-9.13%)	(-1.82%)	(-36.21%

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
						)	)		%)			)
South Africa	332.06	125.49	206.57	51.98 (15.65%)	27.52 (21.93%)	22.91 (11.09%)	138.51 (41.71%)	66.07 (52.65%)	72.81 (35.25%)	141.57 (42.63%)	31.89 (25.41%)	110.85 (53.66%)
South Sudan	19.67	12.04	7.64	-3.12 (-15.85%)	-1.36 (-11.26%)	-1.35 (-17.72%)	12.97 (65.9%)	9.08 (75.44%)	4.35 (56.94%)	9.83 (49.95%)	4.31 (35.82%)	4.64 (60.78%)
Spain	198.98	84.49	114.49	73.89 (37.13%)	37.85 (44.8%)	37.57 (32.81%)	46.34 (23.29%)	22.36 (26.46%)	23.91 (20.88%)	78.76 (39.58%)	24.28 (28.74%)	53.02 (46.3%)
Sri Lanka	20.51	7.9	12.61	16.79 (81.88%)	8.89 (112.59%)	7.66 (60.73%)	11.2 (54.6%)	5.82 (73.66%)	5.26 (41.7%)	-7.48 (-36.48%)	-6.81 (-86.25%)	-0.31 (-2.43%)
Sudan	62.79	26.63	36.16	-7.75 (-12.34%)	-3.88 (-14.57%)	-3.87 (-10.69%)	47.98 (76.42%)	22.63 (84.98%)	25.36 (70.12%)	22.55 (35.92%)	7.88 (29.59%)	14.67 (40.57%)
Suriname	1.27	0.58	0.69	0.4	0.23	0.18	0.52	0.29	0.23	0.34	0.06	0.28

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Sweden	20.91	6.74	14.17	(31.53%)	(39.05%)	(25.41%)	(41.34%)	(51.07%)	(33.67%)	(27.14%)	(9.89%)	(40.93%)
				6.91	2.56	4.55	8.17	3.84	4.26	5.83	0.35	5.36
				(33.03%)	(37.97%)	(32.1%)	(39.09%)	(56.91%)	(30.09%)	(27.89%)	(5.12%)	(37.81%)
Switzerland	25.31	11.97	13.35	9.22	2.99	7.37	9.91	3.99	6.04	6.18	4.99	-0.07
				(36.43%)	(25.01%)	(55.23%)	(39.14%)	(33.31%)	(45.26%)	(24.43%)	(41.69%)	(-0.49%)
Syrian Arab Republic	46.27	22.66	23.61	25.81	12.01	13.63	21.81	13.81	8.23	-1.35	-3.15	1.75
				(55.79%)	(52.99%)	(57.72%)	(47.13%)	(60.93%)	(34.86%)	(-2.91%)	(-13.92%)	(7.42%)
											)	
Taiwan (Province of China)	304.05	157.97	146.08	122.39	61.57	59.07	62.48	32.09	29.32	119.18	64.31	57.69
				(40.25%)	(38.98%)	(40.44%)	(20.55%)	(20.32%)	(20.07%)	(39.2%)	(40.71%)	(39.49%)
Tajikistan	7.71	4.07	3.64	-0.96	-1.29	0.2	10.04	6.12	3.85	-1.38	-0.76	-0.42
				(-12.39%)	(-31.6%)	(5.53%)	(130.22%)	(150.24%)	(105.92%)	(-17.83%)	(-18.64%)	(-11.45%)
							)	)	)	)	)	)
Thailand	812.2	326.12	486.08	624.74	301.33	325.81	281.65	140.36	139.63	-94.19	-115.56	20.63
				(76.92%)	(92.4%)	(67.03%)	(34.68%)	(43.04%)	(28.73%)	(-11.6%)	(-35.44%)	(4.25%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
											)	
Timor-Leste	1.67	1.06	0.61	0.8 (47.98%)	0.52 (49.3%)	0.28 (45.95%)	1.01 (60.59%)	0.67 (62.68%)	0.36 (58.99%)	-0.14 (-8.57%)	-0.13 (-11.98%)	-0.03 (-4.94%)
Togo	29.04	21.43	7.6	3.19 (10.98%)	3.86 (18.02%)	0.28 (3.64%)	23.32 (80.31%)	15.52 (72.4%)	7.69 (101.15%)	2.53 (8.71%)	2.05 (9.58%)	-0.36 (-4.79%)
Tokelau	0	0	0	0 (38.15%)	0 (135.69%)	0 (15.92%)	0 (-3.66%)	0 (-29.53%)	0 (1.53%)	0 (65.51%)	0 (-6.15%)	0 (82.56%)
Tonga	0.84	0.27	0.57	0.33 (39.45%)	0.14 (51.05%)	0.19 (32.88%)	0.25 (29.4%)	0.1 (38.11%)	0.14 (24.03%)	0.26 (31.15%)	0.03 (10.84%)	0.24 (43.09%)
Trinidad and Tobago	3.32	1.91	1.41	1.77 (53.3%)	1.13 (59.21%)	0.63 (44.52%)	1.18 (35.68%)	0.75 (39.34%)	0.43 (30.56%)	0.37 (11.02%)	0.03 (1.45%)	0.35 (24.92%)
Tunisia	17.79	7.55	10.24	5.57	2.9	2.66	6.68	3.29	3.39	5.53	1.35	4.19

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
Turkey	237.9	102.8	135.1	(31.33%)	(38.47%)	(25.97%)	(37.58%)	(43.59%)	(33.12%)	(31.09%)	(17.94%)	(40.9%)
				88.38	40.92	47.79	99.3	47.31	51.94	50.22	14.56	35.37
				(37.15%)	(39.81%)	(35.38%)	(41.74%)	(46.03%)	(38.45%)	(21.11%)	(14.17%)	(26.18%)
Turkmenistan	13.62	8.07	5.56	2.95	1.43	1.58	6.2	2.88	3.33	4.47	3.75	0.64
				(21.65%)	(17.78%)	(28.5%)	(45.52%)	(35.7%)	(59.9%)	(32.83%)	(46.51%)	(11.6%)
Tuvalu	0.03	0.01	0.01	0	0	0	0.01	0.01	0.01	0.01	0	0.01
				(18.25%)	(35.46%)	(5.35%)	(53.45%)	(44.62%)	(57.04%)	(28.3%)	(19.92%)	(37.61%)
Uganda	82.47	59.33	23.14	-13.4	-3.31	-9.36	87.93	49.29	38.4	7.93	13.35	-5.9
				(-16.25%)	(-5.58%)	(-40.44%)	(106.63%)	(83.08%)	(165.95%)	(9.62%)	(22.5%)	(-25.51%)
						)	)		)			)
Ukraine	-13.69	-15.29	1.6	18.53	8.51	11.36	-11.49	-6.44	-5.01	-20.73	-17.36	-4.75
				(-135.33%)	(-55.69%)	(710.84%)	(83.9%)	(42.12%)	(-313.65%)	(151.43%)	(113.57%)	(-297.2%)
					)	)			)	)	)	)
United Arab Emirates	53.98	14.98	39	8.9	-1.4	8.45	36.15	12.88	22.93	8.93	3.49	7.62
				(16.5%)	(-9.34%)	(21.67%)	(66.96%)	(86.01%)	(58.79%)	(16.54%)	(23.33%)	(19.54%)

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
United Kingdom	456.9 7	259.38	197.6	60.72 (13.29%)	18.3 (7.05%)	40.73 (20.61%)	61.12 (13.37%)	33.72 (13%)	26.84 (13.58%)	335.14 (73.34%)	207.36 (79.94%)	130.03 (65.8%)
United Republic of Tanzania	98.78	72.95	25.82	-4.76 (-4.82%)	-1.25 (-1.71%)	-2.75 (-10.66%)	112.6 (113.99%)	72.29 (99.09%)	40.15 (155.49%)	-9.06 (-9.17%)	1.91 (2.62%)	-11.57 (-44.83%)
United States of America	2138. 76	901.51	1237.2 5	433.16 (20.25%)	152.61 (16.93%)	299.78 (24.23%)	490.79 (22.95%)	220.47 (24.46%)	271.21 (21.92%)	1214.81 (56.8%)	528.43 (58.62%)	666.27 (53.85%)
United States Virgin Islands	0.44	0.13	0.31	0.31 (69.79%)	0.16 (124.92%)	0.15 (47.64%)	-0.01 (-1.84%)	-0.01 (-4.09%)	0 (-0.82%)	0.14 (32.05%)	-0.03 (-20.83%)	0.17 (53.18%)
Uruguay	9.73	3.39	6.34	1.26 (12.91%)	0.59 (17.48%)	0.67 (10.57%)	1.26 (12.9%)	0.54 (15.83%)	0.69 (10.92%)	7.22 (74.19%)	2.26 (66.69%)	4.98 (78.51%)
Uzbekistan	72.29	39.54	32.76	8.96 (12.39%)	2.81 (7.11%)	6.1 (18.62%)	36.65 (50.7%)	21.21 (53.65%)	15.37 (46.92%)	26.69 (36.92%)	15.52 (39.24%)	11.29 (34.46%)
Vanuatu	0.5	0.25	0.25	0.09	0.06	0.03	0.37	0.18	0.19	0.04	0.01	0.03

location	Overll difference			Aging			Population			Epidemiological change		
	Both	Women	Men	Both	Women	Men	Both	Women	Men	Both	Women	Men
				(17.68%)	(23.74%)	(11.15%)	(73.61%)	(71.78%)	(75.39%)	(8.71%)	(4.47%)	(13.46%)
Venezuela (Bolivarian Republic of)	37.56	16.65	20.9	40.1 (106.78%)	24.41 (146.6%)	15.6 (74.65%)	35.71 (95.07%)	22.99 (138.03%)	13.21 (63.18%)	-38.25 (-101.85%)	-30.75 (-184.63%)	-7.91 (-37.83%)
Viet Nam	603.68	258.63	345.06	215.71 (35.73%)	90.25 (34.89%)	127.35 (36.91%)	396.87 (65.74%)	155.39 (60.08%)	247.77 (71.81%)	-8.9 (-1.47%)	12.99 (5.02%)	-30.06 (-8.71%)
Yemen	14.27	8.15	6.12	-0.41 (-2.86%)	-0.42 (-5.17%)	0.03 (0.53%)	17.98 (126.02%)	8.83 (108.27%)	9.17 (149.94%)	-3.3 (-23.16%)	-0.25 (-3.1%)	-3.09 (-50.48%)
Zambia	14.83	10.74	4.1	-3.84 (-25.91%)	0.72 (6.7%)	-3.56 (-86.77%)	43.46 (292.96%)	25.38 (236.38%)	18.03 (439.78%)	-24.78 (-167.05%)	-15.36 (-143.08%)	-10.37 (-253.02%)
Zimbabwe	74.66	61.25	13.41	-1.86 (-2.49%)	2.57 (4.19%)	-2.92 (-21.81%)	42.88 (57.43%)	30.42 (49.67%)	12.96 (96.66%)	33.64 (45.06%)	28.26 (46.14%)	3.37 (25.15%)

Table S9 Frontier deaths, and effective difference by country or territory in 2021

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Mongolia	0.617621565	5.87(3.61 to 9.12)	0.03	5.84	204 (204)
Gambia	0.40971416	3.99(2.18 to 6.4)	0.04	3.95	203 (203)
Mozambique	0.326462614	3.43(1.74 to 6.44)	0.06	3.36	202 (202)
Mauritania	0.4989451	3.13(1.66 to 4.95)	0.04	3.09	201 (201)
Eswatini	0.585459713	2.81(1.23 to 5.97)	0.03	2.77	200 (199)
Mali	0.268579941	2.87(1.83 to 4.47)	0.15	2.72	199 (200)
Qatar	0.846860584	2.68(1.65 to 4.21)	0.03	2.64	198 (198)
Tonga	0.626349936	2.43(1.47 to 3.6)	0.03	2.4	197 (197)
Egypt	0.606787094	2.42(1.5 to 3.54)	0.03	2.38	196 (196)
Guinea	0.336401293	2.42(1.36 to 3.61)	0.04	2.37	195 (195)
Liberia	0.352442452	2.38(1.5 to 3.62)	0.04	2.35	194 (194)
Guinea-Bissau	0.353109621	2.31(1.45 to 3.51)	0.04	2.28	193 (193)
Cabo Verde	0.533534539	2.11(1.23 to 3.23)	0.04	2.07	192 (192)
Lesotho	0.510393066	2.1(0.91 to 4.47)	0.04	2.07	191 (191)
Zimbabwe	0.473819486	2.06(1.18 to 3.22)	0.04	2.02	190 (190)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Burkina Faso	0.285118402	2(0.97 to 3.97)	0.1	1.9	189 (189)
United Arab Emirates	0.849317734	1.91(1.15 to 2.96)	0.03	1.88	188 (188)
Cameroon	0.479691223	1.83(0.91 to 2.94)	0.04	1.79	187 (187)
Benin	0.373486574	1.77(1.12 to 2.74)	0.04	1.73	186 (186)
Senegal	0.408054193	1.61(1.01 to 2.46)	0.04	1.58	185 (185)
Cook Islands	0.779109955	1.33(0.87 to 1.94)	0.03	1.3	184 (183)
Chad	0.240436019	1.42(0.74 to 2.73)	0.15	1.27	183 (184)
Sierra Leone	0.358665881	1.23(0.74 to 1.95)	0.04	1.19	182 (182)
Togo	0.408533695	1.22(0.72 to 1.93)	0.04	1.19	181 (180)
Ghana	0.56493039	1.16(0.63 to 1.8)	0.04	1.13	180 (178)
Saudi Arabia	0.815143493	1.14(0.74 to 1.67)	0.03	1.11	178 (176)
Thailand	0.682547933	1.15(0.74 to 1.71)	0.03	1.11	179 (177)
Gabon	0.634691393	1.08(0.6 to 1.82)	0.03	1.05	177 (175)
Niger	0.168072774	1.23(0.68 to 2.16)	0.21	1.02	176 (181)
Republic of Korea	0.886675267	1.04(0.66 to 1.56)	0.03	1.01	175 (174)
Viet Nam	0.627933721	1.04(0.67 to 1.57)	0.03	1.01	174 (173)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
South Africa	0.679626598	1.02(0.84 to 1.23)	0.03	0.99	173 (172)
North Macedonia	0.750629703	1.02(0.62 to 1.53)	0.03	0.98	172 (171)
Libya	0.725771399	1(0.64 to 1.52)	0.03	0.97	171 (169)
American Samoa	0.723727533	0.96(0.63 to 1.4)	0.03	0.93	170 (168)
Uganda	0.423261181	0.96(0.58 to 1.49)	0.04	0.93	169 (167)
Albania	0.706849791	0.91(0.53 to 1.48)	0.03	0.88	168 (166)
Northern Mariana Islands	0.771535213	0.91(0.59 to 1.33)	0.03	0.87	167 (165)
South Sudan	0.278371125	1.01(0.6 to 1.65)	0.15	0.86	166 (170)
Taiwan (Province of China)	0.874747053	0.89(0.61 to 1.25)	0.03	0.85	165 (164)
Andorra	0.869444113	0.87(0.51 to 1.39)	0.03	0.84	164 (163)
Comoros	0.475978688	0.85(0.49 to 1.29)	0.04	0.82	163 (162)
Bahrain	0.753043204	0.83(0.53 to 1.26)	0.03	0.8	161 (160)
Botswana	0.642721629	0.83(0.44 to 1.57)	0.04	0.8	162 (161)
Greenland	0.826210336	0.81(0.48 to 1.21)	0.04	0.77	159 (159)
Montenegro	0.795800584	0.81(0.51 to 1.2)	0.03	0.77	160 (158)
Azerbaijan	0.694851274	0.8(0.39 to 1.46)	0.03	0.76	158 (157)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Zambia	0.505948954	0.78(0.34 to 1.78)	0.04	0.75	157 (156)
Kenya	0.523768077	0.77(0.57 to 1.02)	0.04	0.73	156 (155)
Congo	0.583075236	0.74(0.3 to 1.72)	0.03	0.71	154 (153)
Nigeria	0.503390833	0.75(0.52 to 1.07)	0.04	0.71	155 (154)
Kiribati	0.527186583	0.72(0.44 to 1.02)	0.04	0.69	151 (150)
Palestine	0.631011665	0.72(0.47 to 1.07)	0.03	0.69	152 (151)
United Republic of Tanzania	0.446568273	0.73(0.44 to 1.09)	0.04	0.69	153 (152)
Djibouti	0.487958371	0.71(0.43 to 1.13)	0.04	0.68	150 (149)
Palau	0.754046931	0.71(0.43 to 1.11)	0.03	0.68	149 (147)
Bosnia and Herzegovina	0.723077893	0.7(0.43 to 1.04)	0.03	0.67	145 (145)
Brunei Darussalam	0.810234367	0.71(0.44 to 1.08)	0.03	0.67	148 (148)
Costa Rica	0.700340477	0.7(0.46 to 0.99)	0.03	0.67	146 (144)
Malawi	0.384553634	0.71(0.44 to 1.03)	0.04	0.67	147 (146)
Monaco	0.908262831	0.69(0.41 to 1.05)	0.03	0.66	144 (143)
Equatorial Guinea	0.657857456	0.69(0.39 to 1.15)	0.03	0.65	143 (142)
Angola	0.453721949	0.67(0.16 to 1.78)	0.04	0.64	141 (140)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Malaysia	0.742523828	0.68(0.45 to 1.01)	0.03	0.64	142 (141)
Armenia	0.701833194	0.66(0.43 to 0.96)	0.03	0.63	138 (136)
Cambodia	0.473621491	0.66(0.33 to 1.28)	0.04	0.63	139 (138)
Canada	0.87317068	0.66(0.47 to 0.91)	0.03	0.63	140 (139)
Rwanda	0.435588706	0.66(0.4 to 1.01)	0.04	0.63	137 (137)
Syrian Arab Republic	0.623004075	0.65(0.4 to 0.97)	0.03	0.62	136 (134)
Afghanistan	0.337199998	0.65(0.38 to 1.11)	0.05	0.6	135 (135)
Iraq	0.662626231	0.64(0.4 to 0.95)	0.03	0.6	134 (133)
Niue	0.72622205	0.63(0.38 to 0.99)	0.03	0.6	133 (132)
Guam	0.803982203	0.61(0.42 to 0.87)	0.03	0.58	132 (131)
Lao People's Democratic Republic	0.489136091	0.59(0.33 to 0.94)	0.04	0.56	131 (130)
Fiji	0.675051631	0.58(0.36 to 0.88)	0.03	0.55	129 (128)
Micronesia (Federated States of)	0.587534967	0.59(0.34 to 0.93)	0.03	0.55	130 (129)
Eritrea	0.403863943	0.58(0.33 to 0.95)	0.04	0.54	128 (127)
Australia	0.844252814	0.57(0.39 to 0.79)	0.03	0.53	127 (125)
Guatemala	0.539972424	0.56(0.37 to 0.8)	0.04	0.53	126 (124)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Philippines	0.651219329	0.56(0.45 to 0.7)	0.03	0.53	125 (123)
Central African Republic	0.30916769	0.57(0.21 to 1.34)	0.04	0.52	124 (126)
Samoa	0.593392769	0.54(0.34 to 0.79)	0.03	0.51	123 (122)
Nauru	0.625177834	0.52(0.32 to 0.82)	0.03	0.49	121 (120)
Tuvalu	0.576620529	0.52(0.31 to 0.84)	0.03	0.49	122 (121)
Tokelau	0.686425621	0.51(0.28 to 0.89)	0.03	0.48	119 (118)
Turkmenistan	0.682160776	0.52(0.33 to 0.77)	0.03	0.48	120 (119)
China	0.72162976	0.51(0.39 to 0.64)	0.03	0.47	118 (117)
Coted'Ivoire	0.425941883	0.5(0.26 to 0.81)	0.04	0.47	117 (116)
Oman	0.773391602	0.5(0.32 to 0.74)	0.03	0.47	114 (113)
Seychelles	0.730150775	0.5(0.33 to 0.73)	0.03	0.47	115 (114)
Sudan	0.541949735	0.5(0.29 to 0.8)	0.04	0.47	116 (115)
Kazakhstan	0.725144495	0.5(0.32 to 0.7)	0.03	0.46	113 (111)
Maldives	0.650886627	0.5(0.3 to 0.76)	0.03	0.46	112 (112)
Bolivia (Plurinational State of)	0.599010799	0.48(0.27 to 0.8)	0.03	0.45	109 (108)
Iran (Islamic Republic of)	0.697207398	0.49(0.4 to 0.58)	0.03	0.45	110 (109)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Slovenia	0.842430731	0.49(0.32 to 0.72)	0.03	0.45	111 (110)
Indonesia	0.656868336	0.48(0.25 to 0.75)	0.03	0.44	108 (107)
Bhutan	0.473062378	0.47(0.26 to 0.75)	0.04	0.43	106 (105)
Ecuador	0.661017053	0.46(0.32 to 0.65)	0.03	0.43	105 (103)
United States of America	0.862448354	0.47(0.4 to 0.55)	0.03	0.43	107 (106)
Democratic People's Republic of Korea	0.569854634	0.46(0.26 to 0.72)	0.03	0.42	103 (102)
Dominica	0.746967185	0.46(0.28 to 0.69)	0.03	0.42	104 (104)
Vanuatu	0.473100706	0.45(0.25 to 0.77)	0.04	0.42	102 (101)
France	0.838364875	0.43(0.28 to 0.61)	0.03	0.4	99 (98)
Honduras	0.513037248	0.43(0.25 to 0.69)	0.04	0.4	100 (99)
New Zealand	0.849442499	0.43(0.36 to 0.52)	0.03	0.4	101 (100)
Grenada	0.668993028	0.42(0.29 to 0.6)	0.03	0.39	95 (94)
Madagascar	0.400246943	0.42(0.24 to 0.66)	0.04	0.39	97 (96)
Serbia	0.792416294	0.43(0.26 to 0.65)	0.03	0.39	98 (97)
United Kingdom	0.859000182	0.42(0.35 to 0.5)	0.03	0.39	96 (95)
India	0.575401649	0.41(0.34 to 0.49)	0.03	0.38	94 (93)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Marshall Islands	0.574091128	0.4(0.22 to 0.67)	0.03	0.37	92 (90)
Namibia	0.617564872	0.41(0.26 to 0.62)	0.03	0.37	93 (92)
Solomon Islands	0.429360316	0.41(0.23 to 0.72)	0.04	0.37	91 (91)
Puerto Rico	0.825525847	0.39(0.26 to 0.55)	0.03	0.36	89 (88)
Saint Kitts and Nevis	0.754987055	0.39(0.26 to 0.56)	0.03	0.36	90 (89)
Uzbekistan	0.662621694	0.38(0.24 to 0.58)	0.03	0.35	88 (86)
Estonia	0.844917787	0.37(0.25 to 0.54)	0.03	0.34	87 (85)
Chile	0.771514716	0.37(0.24 to 0.52)	0.03	0.33	86 (84)
Turkey	0.712692673	0.36(0.23 to 0.52)	0.03	0.33	85 (83)
Georgia	0.732473604	0.35(0.23 to 0.51)	0.03	0.32	82 (80)
Panama	0.708864828	0.36(0.23 to 0.52)	0.03	0.32	84 (81)
Slovakia	0.81061053	0.36(0.21 to 0.56)	0.03	0.32	83 (82)
Croatia	0.798341027	0.35(0.22 to 0.5)	0.03	0.31	81 (79)
Ethiopia	0.358823295	0.35(0.23 to 0.55)	0.04	0.31	80 (78)
Bahamas	0.805020668	0.34(0.23 to 0.49)	0.03	0.3	78 (75)
Democratic Republic of the Congo	0.383179849	0.34(0.13 to 0.87)	0.04	0.3	77 (76)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Nepal	0.433174635	0.34(0.19 to 0.54)	0.04	0.3	79 (77)
Nicaragua	0.523958472	0.33(0.21 to 0.49)	0.04	0.3	75 (73)
Sao Tome and Principe	0.505413747	0.34(0.17 to 0.54)	0.04	0.3	76 (74)
Bulgaria	0.768150939	0.32(0.21 to 0.48)	0.03	0.29	69 (67)
Germany	0.902957091	0.33(0.22 to 0.47)	0.03	0.29	74 (72)
Iceland	0.87636168	0.33(0.22 to 0.47)	0.03	0.29	73 (71)
Japan	0.871241813	0.33(0.26 to 0.4)	0.03	0.29	72 (70)
Singapore	0.856097766	0.32(0.21 to 0.49)	0.03	0.29	71 (68)
Tajikistan	0.541511187	0.32(0.17 to 0.54)	0.04	0.29	70 (69)
Barbados	0.746748764	0.31(0.2 to 0.46)	0.03	0.28	67 (63)
Burundi	0.289374365	0.39(0.23 to 0.64)	0.11	0.28	64 (87)
Finland	0.859831368	0.31(0.2 to 0.44)	0.03	0.28	63 (62)
Mexico	0.664575304	0.32(0.27 to 0.38)	0.03	0.28	68 (66)
Portugal	0.744151851	0.31(0.21 to 0.45)	0.03	0.28	65 (64)
United States Virgin Islands	0.821830853	0.32(0.2 to 0.49)	0.04	0.28	66 (65)
Austria	0.853837004	0.3(0.2 to 0.43)	0.03	0.27	61 (60)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Greece	0.791854408	0.3(0.21 to 0.43)	0.03	0.27	60 (59)
Peru	0.662054037	0.3(0.18 to 0.46)	0.03	0.27	59 (58)
Spain	0.769283698	0.31(0.2 to 0.45)	0.03	0.27	62 (61)
Timor-Leste	0.444667619	0.3(0.16 to 0.5)	0.04	0.27	58 (57)
Colombia	0.655442913	0.3(0.2 to 0.43)	0.03	0.26	56 (55)
Lithuania	0.856484049	0.29(0.2 to 0.41)	0.03	0.26	54 (53)
Myanmar	0.53390084	0.3(0.13 to 0.56)	0.04	0.26	57 (56)
Pakistan	0.504028689	0.3(0.22 to 0.39)	0.04	0.26	55 (54)
Venezuela (Bolivarian Republic of)	0.596513059	0.29(0.18 to 0.43)	0.03	0.26	53 (52)
Antigua and Barbuda	0.749886887	0.28(0.19 to 0.4)	0.03	0.25	46 (46)
Kyrgyzstan	0.603979328	0.29(0.18 to 0.43)	0.03	0.25	49 (48)
Latvia	0.830663516	0.29(0.2 to 0.39)	0.03	0.25	50 (50)
Luxembourg	0.884428955	0.29(0.18 to 0.41)	0.03	0.25	52 (49)
Romania	0.768453864	0.29(0.2 to 0.42)	0.03	0.25	51 (51)
Suriname	0.633665739	0.28(0.17 to 0.42)	0.03	0.25	48 (47)
Trinidad and Tobago	0.768763254	0.28(0.18 to 0.4)	0.03	0.25	47 (45)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Belize	0.610229002	0.28(0.18 to 0.39)	0.03	0.24	45 (44)
Saint Vincent and the Grenadines	0.637195963	0.27(0.18 to 0.38)	0.03	0.24	43 (43)
Switzerland	0.933059111	0.26(0.17 to 0.37)	0.02	0.24	44 (39)
Belgium	0.853654016	0.26(0.17 to 0.38)	0.03	0.23	41 (41)
Ireland	0.87375385	0.27(0.18 to 0.38)	0.04	0.23	42 (42)
Russian Federation	0.808536005	0.26(0.22 to 0.3)	0.03	0.23	40 (40)
Norway	0.91613281	0.25(0.21 to 0.29)	0.03	0.22	38 (37)
Paraguay	0.635718099	0.25(0.16 to 0.37)	0.03	0.22	39 (38)
Algeria	0.659500924	0.24(0.15 to 0.37)	0.04	0.21	35 (34)
Cyprus	0.835630545	0.24(0.15 to 0.37)	0.04	0.21	33 (33)
Guyana	0.650812335	0.25(0.16 to 0.36)	0.03	0.21	36 (35)
Netherlands	0.888464256	0.24(0.16 to 0.33)	0.03	0.21	34 (32)
Republic of Moldova	0.732214875	0.25(0.17 to 0.35)	0.04	0.21	37 (36)
Belarus	0.784484711	0.24(0.15 to 0.34)	0.03	0.2	31 (30)
Jordan	0.725307227	0.23(0.14 to 0.36)	0.03	0.2	30 (29)
Lebanon	0.744746351	0.23(0.15 to 0.35)	0.03	0.2	29 (28)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Sweden	0.886880299	0.24(0.19 to 0.29)	0.03	0.2	32 (31)
Uruguay	0.719283445	0.23(0.15 to 0.33)	0.04	0.2	28 (27)
Czechia	0.828450433	0.23(0.15 to 0.34)	0.03	0.19	27 (26)
Papua New Guinea	0.417797443	0.22(0.09 to 0.55)	0.04	0.19	26 (25)
Israel	0.809011652	0.21(0.14 to 0.3)	0.03	0.18	25 (24)
Kuwait	0.846651055	0.21(0.14 to 0.3)	0.03	0.18	24 (23)
Bangladesh	0.492420885	0.21(0.13 to 0.32)	0.04	0.17	23 (22)
Italy	0.805773534	0.2(0.17 to 0.24)	0.03	0.17	21 (19)
Jamaica	0.683263064	0.2(0.13 to 0.3)	0.03	0.17	22 (21)
Malta	0.801585034	0.2(0.13 to 0.3)	0.04	0.17	20 (20)
Bermuda	0.821365422	0.19(0.12 to 0.28)	0.03	0.16	15 (14)
Cuba	0.668729864	0.19(0.13 to 0.26)	0.03	0.16	17 (16)
Denmark	0.896424204	0.19(0.12 to 0.28)	0.03	0.16	16 (15)
Dominican Republic	0.619388201	0.19(0.12 to 0.29)	0.03	0.16	18 (17)
El Salvador	0.563775188	0.2(0.13 to 0.29)	0.04	0.16	19 (18)
Tunisia	0.682432216	0.18(0.1 to 0.29)	0.03	0.15	13 (12)

Location	SDI	Rate of Deaths	Frontier Deaths	Effective difference	Effective difference rank (Age-standardized Deaths rank)
Yemen	0.450376375	0.18(0.09 to 0.37)	0.04	0.15	14 (13)
Hungary	0.790754768	0.17(0.11 to 0.26)	0.03	0.14	11 (10)
Poland	0.812042809	0.18(0.15 to 0.21)	0.03	0.14	12 (11)
San Marino	0.888005474	0.17(0.09 to 0.29)	0.03	0.14	10 (9)
Brazil	0.653043887	0.17(0.14 to 0.19)	0.03	0.13	9 (8)
Saint Lucia	0.672509735	0.16(0.11 to 0.23)	0.03	0.12	8 (7)
Sri Lanka	0.701534935	0.15(0.08 to 0.24)	0.03	0.11	7 (6)
Haiti	0.448278285	0.14(0.06 to 0.29)	0.04	0.1	6 (5)
Argentina	0.723122973	0.11(0.07 to 0.16)	0.03	0.08	4 (3)
Ukraine	0.760773913	0.12(0.08 to 0.15)	0.03	0.08	5 (4)
Mauritius	0.718260446	0.09(0.07 to 0.13)	0.03	0.06	3 (2)
Somalia	0.077688109	1.2(0.58 to 2.29)	1.16	0.04	2 (179)
Morocco	0.562698301	0.06(0.04 to 0.09)	0.04	0.03	1 (1)

Table S10 Projected Absolute and Age-Standardized Death Rates (ASDR) for NALC in Men and Women Globally through 2045

year	Deaths			ASDR		
	Both	Women	Men	Both	Women	Women
1992	15660	8019	7641	0.38	0.36	0.40
1993	16198	8253	7945	0.39	0.36	0.41
1994	16831	8557	8274	0.39	0.37	0.42
1995	17625	8936	8689	0.40	0.38	0.43
1996	18300	9253	9047	0.41	0.38	0.44
1997	18843	9520	9322	0.41	0.39	0.44
1998	19626	9863	9763	0.42	0.39	0.45
1999	20442	10269	10173	0.43	0.40	0.46
2000	21185	10603	10581	0.43	0.40	0.47
2001	21722	10869	10854	0.43	0.40	0.47
2002	22221	11131	11090	0.43	0.40	0.47
2003	22547	11289	11258	0.43	0.40	0.46
2004	22831	11430	11401	0.42	0.39	0.46
2005	23380	11714	11666	0.42	0.39	0.46

year	Deaths			ASDR		
	Both	Women	Men	Both	Women	Women
2006	23983	12051	11932	0.42	0.39	0.46
2007	24862	12506	12355	0.43	0.40	0.46
2008	26104	13132	12971	0.44	0.41	0.47
2009	27181	13683	13498	0.44	0.41	0.48
2010	28259	14207	14053	0.45	0.42	0.48
2011	29164	14663	14501	0.45	0.42	0.48
2012	30276	15237	15039	0.45	0.42	0.49
2013	31821	16020	15801	0.46	0.43	0.50
2014	33497	16868	16628	0.48	0.44	0.51
2015	34802	17492	17310	0.48	0.45	0.52
2016	35977	18174	17803	0.48	0.45	0.52
2017	37019	18758	18261	0.48	0.45	0.51
2018	38188	19315	18873	0.48	0.45	0.52
2019	39075	19704	19371	0.48	0.45	0.52
2020	39930	19930	19999	0.48	0.44	0.52

year	Deaths			ASDR		
	Both	Women	Men	Both	Women	Women
2021	40925	20456	20469	0.48	0.44	0.52
2022	42202	21605	20596	0.49	0.45	0.52
2023	43510	22297	21214	0.49	0.46	0.52
2024	44961	23059	21903	0.49	0.46	0.52
2025	46284	23755	22529	0.49	0.46	0.52
2026	47632	24467	23165	0.49	0.46	0.52
2027	49034	25209	23825	0.49	0.46	0.52
2028	50505	25990	24514	0.49	0.46	0.52
2029	51993	26783	25211	0.49	0.46	0.52
2030	53317	27497	25821	0.49	0.46	0.52
2031	54639	28211	26428	0.49	0.46	0.52
2032	55987	28942	27046	0.49	0.46	0.52
2033	57385	29700	27685	0.49	0.46	0.52
2034	58774	30454	28320	0.49	0.46	0.52
2035	59959	31107	28852	0.48	0.45	0.51

year	Deaths			ASDR		
	Both	Women	Men	Both	Women	Women
2036	61113	31743	29371	0.48	0.45	0.51
2037	62269	32380	29890	0.48	0.45	0.51
2038	63463	33038	30426	0.47	0.45	0.50
2039	64634	33682	30952	0.47	0.45	0.50
2040	65741	34293	31448	0.47	0.44	0.50
2041	66804	34878	31926	0.47	0.44	0.49
2042	67849	35454	32395	0.46	0.44	0.49
2043	68923	36044	32879	0.46	0.44	0.49
2044	69981	36626	33355	0.46	0.44	0.48
2045	71001	37186	33816	0.46	0.43	0.48

Table S11 Projected Absolute Death Numbers for NALC in Women Globally by Age Group through 2045

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
1992	66.57	73.78	86.74	100.48	144.38	215.94	301.70	475.65	694.96	985.34	1192.94	1207.29	1111.68	784.16	413.97	134.76	28.43
1993	67.73	75.26	90.34	105.66	144.98	226.81	312.91	477.72	704.55	1008.41	1230.14	1268.29	1122.88	807.94	435.49	143.72	30.60
1994	68.34	77.25	93.83	113.54	147.49	239.64	334.32	486.78	714.93	1038.23	1272.31	1339.82	1146.22	835.78	462.57	153.79	32.29
1995	69.76	79.66	96.15	120.26	147.52	249.19	350.30	491.15	726.60	1074.13	1328.47	1414.85	1218.84	872.74	494.96	165.89	35.24
1996	71.36	80.17	97.83	125.82	147.85	253.83	369.07	502.84	732.95	1097.44	1374.82	1466.85	1289.28	905.47	522.20	176.69	38.26
1997	73.42	79.77	98.86	130.56	150.41	257.80	384.56	521.61	735.50	1110.11	1409.46	1513.10	1355.31	928.48	542.22	187.63	41.60
1998	74.66	79.90	98.57	134.09	158.80	262.24	407.78	542.81	740.92	1127.59	1446.41	1574.34	1437.57	959.77	571.92	200.89	44.97
1999	76.45	81.90	99.83	135.90	168.66	260.28	429.58	575.61	754.88	1142.47	1487.34	1649.85	1536.88	998.33	605.27	217.19	48.83
2000	78.32	82.72	100.15	136.42	178.95	256.04	443.72	607.20	769.10	1153.95	1514.65	1704.03	1613.14	1054.88	627.23	230.10	52.76
2001	80.04	83.38	100.07	135.31	186.74	254.63	443.59	638.88	785.73	1158.60	1539.66	1743.73	1665.71	1113.26	641.82	240.62	56.74
2002	81.73	83.46	96.40	129.09	187.96	257.23	426.96	658.71	822.49	1170.63	1566.82	1771.35	1717.11	1187.26	660.69	252.70	60.45
2003	84.24	83.27	91.80	122.95	185.06	259.06	406.65	677.81	851.34	1167.40	1577.58	1795.08	1751.20	1252.65	659.57	259.69	64.11
2004	85.29	84.09	90.32	121.05	182.04	263.26	396.95	685.10	874.76	1160.65	1564.08	1806.67	1793.31	1320.13	668.18	266.34	68.01
2005	85.92	85.39	89.64	118.13	181.47	271.96	392.28	705.32	909.32	1169.62	1576.91	1841.13	1857.77	1380.37	701.02	274.64	72.80

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2006	85.09	86.81	89.02	116.12	181.90	284.31	390.71	720.73	957.47	1188.86	1586.28	1884.84	1917.79	1437.83	754.42	290.57	78.62
2007	84.80	88.83	89.31	115.36	182.16	296.62	400.08	732.89	1003.37	1241.10	1610.95	1952.68	1986.58	1517.65	817.75	302.20	83.96
2008	85.42	91.10	92.43	117.55	184.59	305.19	427.29	742.84	1056.73	1311.18	1652.29	2023.32	2092.90	1635.28	901.89	320.25	92.20
2009	86.11	92.90	96.68	119.57	186.03	302.99	456.82	739.84	1084.91	1381.06	1698.87	2073.38	2166.26	1761.59	992.96	342.19	100.78
2010	86.96	94.32	99.31	120.52	184.46	302.04	483.42	742.86	1118.97	1452.04	1735.63	2119.23	2234.17	1878.53	1069.28	375.28	109.59
2011	87.07	93.07	100.02	119.82	180.10	299.69	501.94	754.61	1144.61	1541.86	1786.13	2157.89	2312.48	1941.04	1118.03	407.67	117.27
2012	86.14	91.96	102.89	121.97	180.24	301.86	524.22	779.76	1174.57	1631.28	1883.95	2209.12	2390.86	2018.83	1173.07	443.44	122.64
2013	87.87	91.92	107.07	127.38	183.45	308.79	541.22	833.21	1190.55	1727.78	1997.20	2252.38	2461.32	2198.80	1284.32	494.58	132.01
2014	89.01	90.27	109.98	132.07	185.78	314.28	557.45	910.04	1211.81	1840.14	2148.38	2304.56	2538.05	2362.90	1389.42	542.83	141.49
2015	89.95	90.18	111.76	136.25	188.55	316.96	569.84	980.07	1238.65	1959.62	2311.80	2365.14	2608.43	2380.92	1416.51	570.74	156.21
2016	91.21	91.53	114.22	141.92	193.98	321.72	580.19	1026.82	1276.30	2033.77	2493.83	2462.84	2673.68	2426.44	1468.20	605.68	172.05
2017	92.45	93.38	115.13	147.32	200.17	328.00	584.42	1035.06	1325.09	2068.30	2591.55	2569.64	2707.20	2511.51	1552.38	646.64	190.00
2018	92.91	94.20	114.71	151.44	204.35	330.93	588.07	1046.68	1389.78	2097.09	2716.75	2683.66	2757.14	2561.36	1597.06	681.82	207.55
2019	93.83	95.18	115.41	153.59	209.27	331.34	586.28	1038.90	1452.42	2102.16	2803.91	2804.55	2808.99	2553.90	1614.94	715.46	223.39
2020	95.78	97.32	115.84	154.89	215.51	332.93	578.47	1021.15	1512.28	2086.51	2842.00	2861.96	2825.15	2562.86	1645.00	746.35	236.44

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2021	99.66	101.64	117.76	157.94	222.64	336.58	573.09	1028.13	1552.58	2110.24	2919.52	2984.28	2891.10	2633.47	1694.07	781.51	251.90
2022	103.42	98.90	112.88	153.35	221.63	343.57	581.73	1087.37	1625.96	2206.99	3051.50	3316.79	3038.13	2754.25	1814.78	839.77	254.26
2023	106.77	100.46	112.74	152.51	225.58	351.10	579.11	1098.14	1650.83	2280.56	3109.08	3491.26	3212.59	2797.54	1879.11	879.82	269.48
2024	110.26	102.13	112.77	151.40	229.59	357.54	579.53	1103.07	1677.75	2380.62	3142.46	3667.86	3420.89	2858.57	1952.15	925.08	286.86
2025	113.33	104.51	113.66	149.94	232.54	363.53	585.97	1099.38	1696.70	2480.19	3166.10	3793.20	3656.72	2918.73	2016.45	958.40	305.38
2026	116.37	106.94	114.79	148.81	233.91	369.59	595.87	1092.55	1718.25	2576.63	3188.55	3898.86	3890.83	3014.49	2080.08	995.89	324.14
2027	119.43	109.63	116.02	148.35	233.21	375.51	608.83	1086.34	1739.27	2644.16	3240.82	3992.64	4108.94	3173.11	2134.47	1035.69	343.06
2028	122.34	112.58	117.35	148.17	231.73	381.36	622.14	1081.58	1751.01	2679.52	3359.16	4074.20	4317.73	3370.29	2182.83	1075.73	362.76
2029	125.02	115.66	118.81	148.21	229.80	387.21	633.38	1082.23	1752.47	2716.42	3513.63	4116.82	4518.56	3591.70	2235.21	1114.21	383.31
2030	126.96	118.22	120.87	148.59	226.56	390.70	641.80	1091.07	1742.45	2742.48	3655.39	4139.99	4670.35	3840.84	2286.61	1153.78	399.87
2031	128.78	120.72	122.97	149.29	223.83	391.50	650.26	1106.29	1727.41	2772.50	3791.47	4161.55	4797.06	4086.90	2368.31	1194.36	417.94
2032	130.36	123.24	125.36	150.10	222.13	388.79	658.42	1127.08	1713.35	2801.35	3883.70	4224.20	4909.08	4314.40	2503.60	1230.01	436.54
2033	131.48	125.59	128.03	151.05	220.85	384.79	666.36	1148.37	1701.58	2814.84	3928.14	4376.32	5005.78	4529.36	2669.10	1263.02	455.10
2034	132.20	127.69	130.84	152.13	219.89	380.06	674.24	1165.66	1698.40	2811.52	3974.87	4575.35	5052.53	4735.37	2851.09	1298.53	473.20
2035	131.87	128.98	133.00	153.91	219.47	373.35	678.36	1178.21	1708.32	2790.43	4008.38	4756.68	5074.16	4894.28	3052.28	1332.35	492.74

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2036	131.17	130.15	135.08	155.73	219.49	367.51	677.73	1190.72	1728.18	2761.16	4047.39	4928.73	5093.96	5026.12	3249.73	1386.09	513.65
2037	130.32	131.06	137.16	157.90	219.69	363.38	670.99	1202.60	1756.65	2733.46	4084.14	5041.77	5167.91	5143.09	3431.22	1475.32	532.88
2038	129.83	131.51	139.05	160.42	220.06	359.95	662.01	1213.98	1785.69	2709.44	4097.84	5092.64	5357.33	5244.02	3600.17	1582.34	551.24
2039	129.82	131.56	140.65	163.09	220.62	357.04	651.80	1225.15	1808.26	2699.23	4086.50	5146.86	5603.83	5289.43	3762.07	1696.17	570.25
2040	130.29	131.24	142.06	165.74	223.13	356.52	640.82	1234.02	1829.22	2717.35	4059.40	5197.74	5838.34	5318.27	3897.58	1821.38	589.46
2041	131.19	130.54	143.34	168.32	225.69	356.72	631.33	1234.21	1850.21	2751.52	4020.11	5255.72	6059.24	5346.03	4011.78	1944.10	618.01
2042	132.25	129.69	144.34	170.88	228.77	357.19	624.77	1223.19	1870.29	2799.64	3983.04	5310.10	6205.54	5437.99	4115.66	2057.87	662.27
2043	133.33	129.21	144.82	173.20	232.34	357.97	619.43	1208.05	1889.64	2848.70	3951.36	5333.76	6276.67	5661.94	4207.68	2162.99	713.31
2044	134.41	129.20	144.86	175.16	236.14	359.05	615.00	1190.63	1908.72	2887.35	3940.20	5324.25	6353.42	5944.96	4252.60	2264.60	765.17
2045	135.51	129.66	144.49	176.87	239.90	360.01	611.99	1170.10	1924.82	2922.19	3960.23	5288.78	6454.47	6211.55	4267.91	2369.52	817.66

Table S12 Projected age-standardized death rate (ASDR) for NALC in Women Globally by Age Group through 2045

year	ASDR																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
1992	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.45	0.73	1.17	1.71	2.38	3.07	3.35	3.77	3.94	3.45
1993	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.45	0.73	1.18	1.72	2.39	3.12	3.36	3.82	3.95	3.56
1994	0.03	0.03	0.04	0.05	0.08	0.15	0.26	0.45	0.73	1.20	1.74	2.43	3.17	3.40	3.91	3.99	3.59
1995	0.03	0.03	0.04	0.06	0.08	0.15	0.26	0.46	0.73	1.23	1.78	2.49	3.29	3.50	4.06	4.09	3.71
1996	0.03	0.03	0.04	0.06	0.08	0.15	0.26	0.46	0.73	1.24	1.82	2.50	3.35	3.63	4.14	4.15	3.77
1997	0.03	0.03	0.04	0.06	0.08	0.15	0.26	0.46	0.72	1.23	1.84	2.52	3.37	3.73	4.17	4.19	3.87
1998	0.03	0.03	0.04	0.06	0.08	0.15	0.27	0.46	0.73	1.22	1.86	2.55	3.41	3.86	4.25	4.28	3.93
1999	0.03	0.03	0.04	0.06	0.08	0.15	0.28	0.46	0.74	1.22	1.89	2.61	3.50	3.97	4.38	4.43	4.00
2000	0.03	0.03	0.04	0.06	0.08	0.14	0.27	0.47	0.75	1.21	1.90	2.64	3.54	4.07	4.44	4.51	4.05
2001	0.03	0.03	0.04	0.06	0.08	0.14	0.27	0.47	0.75	1.20	1.90	2.65	3.55	4.10	4.51	4.52	4.08
2002	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.47	0.76	1.21	1.89	2.65	3.55	4.16	4.62	4.57	4.07
2003	0.03	0.03	0.04	0.05	0.08	0.13	0.24	0.46	0.75	1.20	1.86	2.65	3.52	4.17	4.60	4.53	4.08
2004	0.03	0.03	0.04	0.05	0.08	0.13	0.23	0.46	0.73	1.18	1.81	2.63	3.51	4.20	4.57	4.48	4.09
2005	0.03	0.03	0.04	0.05	0.08	0.13	0.22	0.45	0.73	1.18	1.79	2.64	3.55	4.22	4.61	4.49	4.14

year	ASDR																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2006	0.03	0.03	0.03	0.05	0.08	0.13	0.22	0.45	0.73	1.18	1.78	2.64	3.58	4.24	4.69	4.67	4.23
2007	0.03	0.03	0.03	0.05	0.08	0.13	0.22	0.45	0.74	1.18	1.79	2.67	3.64	4.32	4.79	4.79	4.29
2008	0.03	0.03	0.03	0.05	0.08	0.14	0.23	0.45	0.74	1.20	1.82	2.70	3.76	4.51	4.98	4.99	4.48
2009	0.03	0.03	0.04	0.05	0.08	0.13	0.23	0.44	0.74	1.19	1.86	2.70	3.82	4.70	5.20	5.16	4.65
2010	0.03	0.03	0.04	0.05	0.08	0.13	0.24	0.44	0.73	1.19	1.88	2.70	3.86	4.88	5.35	5.33	4.82
2011	0.03	0.03	0.04	0.05	0.07	0.13	0.24	0.43	0.73	1.20	1.90	2.71	3.89	4.91	5.37	5.40	4.98
2012	0.03	0.03	0.04	0.05	0.07	0.13	0.24	0.44	0.73	1.22	1.91	2.74	3.91	4.99	5.42	5.49	5.04
2013	0.03	0.03	0.04	0.05	0.07	0.13	0.25	0.45	0.73	1.25	1.94	2.77	3.91	5.31	5.71	5.74	5.25
2014	0.03	0.03	0.04	0.05	0.07	0.13	0.25	0.47	0.74	1.29	1.97	2.80	3.93	5.58	5.97	5.96	5.39
2015	0.03	0.03	0.04	0.05	0.08	0.13	0.25	0.49	0.74	1.31	2.02	2.84	3.95	5.48	5.89	5.97	5.59
2016	0.03	0.03	0.04	0.05	0.08	0.13	0.25	0.50	0.75	1.33	2.06	2.90	3.97	5.42	5.92	6.06	5.76
2017	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.49	0.76	1.32	2.06	2.88	3.97	5.43	6.09	6.19	5.97
2018	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.49	0.77	1.32	2.08	2.87	3.99	5.37	6.10	6.25	6.15
2019	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.48	0.77	1.31	2.08	2.83	4.01	5.21	5.99	6.29	6.25
2020	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.46	0.78	1.29	2.02	2.75	3.99	5.11	5.93	6.35	6.27

ASDR																	
year	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2021	0.03	0.03	0.04	0.05	0.08	0.14	0.24	0.46	0.77	1.28	2.03	2.73	4.01	5.17	5.95	6.48	6.40
2022	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.47	0.78	1.31	2.04	2.90	4.06	5.33	6.15	6.68	6.54
2023	0.03	0.03	0.04	0.05	0.08	0.14	0.25	0.47	0.79	1.31	2.04	2.93	4.09	5.36	6.20	6.80	6.64
2024	0.04	0.03	0.04	0.05	0.08	0.14	0.24	0.47	0.79	1.31	2.03	2.96	4.11	5.39	6.25	6.92	6.75
2025	0.04	0.04	0.04	0.05	0.08	0.14	0.24	0.47	0.79	1.32	2.04	2.95	4.13	5.41	6.26	6.92	6.84
2026	0.04	0.04	0.04	0.05	0.08	0.14	0.24	0.47	0.78	1.32	2.04	2.94	4.15	5.42	6.28	6.93	6.94
2027	0.04	0.04	0.04	0.05	0.08	0.14	0.24	0.47	0.78	1.32	2.05	2.94	4.17	5.44	6.29	6.93	7.04
2028	0.04	0.04	0.04	0.05	0.08	0.14	0.24	0.47	0.78	1.32	2.05	2.93	4.19	5.45	6.30	6.94	7.13
2029	0.04	0.04	0.04	0.05	0.08	0.14	0.24	0.47	0.77	1.32	2.05	2.92	4.21	5.47	6.32	6.94	7.23
2030	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.46	0.77	1.32	2.05	2.92	4.20	5.48	6.32	6.95	7.22
2031	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.46	0.76	1.31	2.05	2.92	4.18	5.50	6.33	6.95	7.21
2032	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.46	0.76	1.30	2.05	2.92	4.16	5.52	6.34	6.95	7.20
2033	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.46	0.75	1.29	2.05	2.91	4.14	5.53	6.34	6.95	7.20
2034	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.46	0.75	1.28	2.04	2.91	4.12	5.55	6.35	6.96	7.19
2035	0.04	0.04	0.04	0.05	0.08	0.13	0.24	0.45	0.74	1.27	2.03	2.90	4.11	5.51	6.35	6.95	7.18

ASDR																	
year	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2036	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.45	0.74	1.26	2.01	2.90	4.10	5.48	6.36	6.94	7.17
2037	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.45	0.73	1.25	1.99	2.89	4.09	5.44	6.36	6.94	7.16
2038	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.44	0.73	1.24	1.98	2.88	4.08	5.41	6.37	6.93	7.15
2039	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.44	0.72	1.23	1.96	2.87	4.07	5.38	6.38	6.92	7.13
2040	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.44	0.72	1.22	1.95	2.85	4.06	5.36	6.34	6.93	7.13
2041	0.04	0.04	0.04	0.05	0.08	0.13	0.23	0.43	0.72	1.22	1.93	2.82	4.04	5.35	6.30	6.93	7.12
2042	0.04	0.04	0.04	0.05	0.08	0.13	0.22	0.43	0.71	1.21	1.92	2.80	4.03	5.34	6.26	6.94	7.11
2043	0.04	0.04	0.04	0.05	0.08	0.12	0.22	0.43	0.71	1.20	1.90	2.78	4.02	5.32	6.22	6.95	7.11
2044	0.04	0.04	0.04	0.05	0.08	0.12	0.22	0.42	0.70	1.19	1.89	2.76	4.01	5.31	6.18	6.95	7.10
2045	0.04	0.04	0.04	0.05	0.08	0.12	0.22	0.42	0.70	1.19	1.87	2.74	4.00	5.30	6.15	6.96	7.09

Table S13 Projected Absolute Death Numbers for NALC in Men Globally by Age Group through 2045

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
1992	34.97	42.19	62.60	101.16	179.13	303.70	420.49	623.54	932.40	1180.57	1188.66	1044.46	786.68	480.38	201.80	50.59	7.52
1993	35.70	43.38	65.90	107.76	182.57	324.06	440.29	629.26	945.77	1218.36	1250.79	1113.41	806.24	502.93	214.70	55.71	8.22
1994	36.55	44.61	69.81	116.79	185.12	341.16	466.42	640.15	959.63	1249.66	1319.53	1185.23	833.96	527.32	228.21	60.72	8.82
1995	37.20	46.11	74.13	128.23	188.31	362.86	492.01	651.32	982.37	1294.10	1397.76	1266.81	893.46	555.30	243.66	66.08	9.64
1996	37.81	46.73	75.87	135.78	189.97	377.49	524.28	670.24	992.92	1329.34	1457.88	1335.50	954.40	576.37	260.26	71.60	10.66
1997	38.54	46.72	76.11	140.48	192.25	386.40	551.19	701.90	992.83	1341.93	1497.95	1387.32	1015.13	590.99	273.75	76.91	11.74
1998	40.46	47.19	77.68	145.82	205.36	385.60	586.12	747.98	1009.15	1367.86	1563.72	1471.84	1107.62	620.32	290.90	82.65	12.83
1999	41.83	47.53	78.12	149.15	226.36	380.82	623.81	799.94	1035.06	1382.66	1605.10	1551.79	1191.57	649.37	307.17	88.23	14.11
2000	42.86	48.17	76.68	151.01	245.16	377.41	661.83	849.30	1058.49	1399.24	1637.12	1629.74	1266.95	701.63	325.04	95.19	15.55
2001	43.56	48.52	75.31	151.09	256.14	375.91	669.42	893.49	1075.62	1400.38	1651.83	1680.70	1322.59	749.86	340.41	101.72	17.01
2002	44.49	48.39	72.21	142.66	251.39	379.55	652.34	927.98	1128.89	1399.77	1661.28	1708.53	1382.38	810.16	353.64	107.83	18.42
2003	45.04	48.48	68.15	133.36	244.10	380.57	631.01	953.97	1171.37	1397.24	1657.61	1725.46	1440.53	863.88	364.18	112.63	20.31
2004	45.66	49.08	67.29	129.22	239.75	388.77	617.09	971.38	1214.71	1397.61	1642.02	1729.91	1489.82	910.96	370.79	115.77	21.36
2005	46.05	49.75	67.12	124.92	238.68	403.21	609.54	1009.70	1272.69	1404.21	1647.29	1744.57	1555.04	958.45	392.46	120.41	22.31

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2006	45.89	50.98	66.78	121.22	239.55	424.68	603.02	1038.81	1345.94	1422.98	1644.93	1749.46	1604.49	1005.12	419.41	125.19	23.56
2007	45.64	52.85	68.09	120.95	243.86	445.42	613.72	1064.92	1404.82	1495.04	1660.51	1801.75	1661.43	1068.17	452.63	130.37	25.16
2008	45.78	54.88	70.92	124.33	249.51	451.20	652.00	1085.84	1477.63	1597.37	1713.63	1866.23	1737.13	1169.32	503.86	143.62	27.93
2009	45.38	56.04	73.89	128.63	247.04	442.43	697.29	1078.64	1523.55	1700.28	1760.33	1901.19	1800.64	1287.31	565.11	159.48	30.73
2010	45.06	57.25	76.51	130.09	243.08	441.82	730.52	1074.44	1588.33	1801.40	1821.08	1946.30	1857.66	1402.63	621.40	180.73	34.29
2011	44.94	57.15	78.50	128.61	233.95	437.93	759.03	1091.25	1645.83	1923.80	1876.60	1983.44	1912.38	1446.40	650.47	193.99	36.84
2012	44.83	56.32	80.97	128.46	228.02	435.07	795.22	1125.83	1704.13	2032.19	1977.59	2023.23	1968.31	1494.36	692.69	211.19	40.42
2013	44.96	56.22	84.90	133.08	229.17	441.52	827.58	1188.04	1738.03	2151.59	2111.95	2069.68	2026.20	1633.11	782.97	237.33	44.88
2014	45.41	55.68	88.42	138.75	231.43	445.92	854.47	1281.69	1766.73	2291.25	2303.78	2129.09	2091.83	1735.60	857.39	261.65	49.02
2015	45.56	55.72	90.66	143.52	232.57	444.46	872.38	1366.96	1801.07	2452.37	2495.47	2201.78	2162.92	1741.24	873.18	275.67	54.49
2016	45.49	56.35	91.07	147.97	234.30	443.76	873.57	1400.15	1824.12	2515.88	2653.32	2277.06	2213.01	1769.47	903.21	294.79	59.47
2017	46.07	57.14	90.91	152.80	240.77	448.54	862.78	1392.64	1853.39	2524.13	2719.31	2390.10	2254.05	1861.30	978.70	324.66	63.94
2018	46.75	58.52	91.15	158.48	246.13	449.08	861.00	1410.68	1912.29	2572.45	2854.09	2530.37	2319.28	1918.47	1019.83	353.40	70.98
2019	46.74	58.95	89.96	163.15	252.86	450.34	856.47	1419.11	1980.82	2591.18	2954.08	2680.09	2381.67	1946.16	1044.27	378.18	77.00
2020	46.84	59.41	88.62	165.61	262.07	455.76	854.10	1430.68	2090.76	2624.83	3061.21	2813.74	2451.67	2005.24	1096.97	409.55	82.07

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2021	47.92	60.45	89.59	167.11	271.70	456.13	842.87	1437.22	2159.91	2658.77	3129.00	2932.76	2504.34	2050.26	1136.62	435.00	89.15
2022	52.26	60.13	90.85	168.04	280.30	471.37	839.93	1482.33	2245.72	2664.51	3163.68	3034.27	2483.50	1968.87	1100.93	416.05	73.49
2023	54.15	60.30	90.77	167.95	288.07	481.49	831.29	1493.48	2282.16	2749.31	3240.02	3198.46	2626.45	2001.06	1136.29	433.31	79.15
2024	56.11	60.53	90.79	167.60	296.09	490.06	827.17	1496.64	2322.64	2867.55	3293.29	3370.83	2795.45	2049.03	1178.85	454.04	85.87
2025	57.84	62.07	90.60	165.48	299.79	500.91	835.53	1484.41	2342.17	2991.91	3310.07	3496.20	2990.64	2113.37	1224.19	471.30	92.31
2026	59.55	63.63	90.56	163.74	301.47	512.00	848.73	1467.90	2364.79	3112.22	3325.12	3606.92	3185.44	2202.82	1269.36	492.55	98.53
2027	61.27	65.37	90.54	162.75	300.40	523.19	866.11	1452.29	2385.94	3196.76	3372.97	3709.78	3370.59	2336.25	1309.88	516.30	104.39
2028	62.90	67.28	90.57	162.05	298.34	534.54	883.79	1438.66	2393.60	3242.56	3492.79	3803.85	3551.54	2490.67	1350.60	540.13	110.55
2029	64.39	69.26	90.66	161.53	295.79	546.17	898.27	1432.30	2386.58	3290.93	3649.76	3860.91	3730.49	2659.29	1393.79	563.41	117.04
2030	65.45	70.90	92.28	160.51	290.94	551.20	914.70	1443.24	2363.58	3315.61	3805.22	3877.30	3870.07	2847.44	1441.64	588.09	122.40
2031	66.45	72.50	93.94	159.74	286.77	552.44	931.45	1462.50	2333.63	3344.29	3954.18	3891.57	3992.87	3034.42	1509.21	613.08	128.86
2032	67.31	74.09	95.84	159.02	283.94	548.59	948.26	1488.85	2305.08	3370.34	4056.40	3946.85	4107.28	3211.78	1610.56	635.78	135.82
2033	67.93	75.57	97.97	158.36	281.62	542.93	965.27	1515.50	2279.66	3376.81	4109.46	4090.18	4212.07	3383.64	1726.19	659.24	142.77
2034	68.32	76.88	100.21	157.81	279.60	536.38	982.66	1536.44	2265.89	3362.20	4165.92	4276.58	4273.90	3553.98	1849.76	683.81	149.71
2035	68.11	77.65	101.91	159.62	276.93	526.11	989.38	1560.10	2279.05	3325.82	4195.32	4458.91	4291.36	3690.94	1984.26	709.83	157.20

year	Deaths-number																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2036	67.68	78.33	103.53	161.48	274.71	517.09	989.18	1584.19	2305.35	3279.41	4229.35	4631.52	4306.62	3811.59	2117.53	747.92	165.03
2037	67.18	78.86	105.15	163.74	272.55	510.52	979.75	1608.27	2342.78	3234.91	4259.26	4747.56	4371.44	3925.15	2244.52	805.67	172.30
2038	66.86	79.08	106.59	166.38	270.49	504.86	967.08	1632.53	2380.35	3194.82	4263.67	4806.72	4539.87	4029.95	2366.55	870.23	179.90
2039	66.81	79.06	107.78	169.18	268.59	499.74	952.84	1657.29	2408.61	3171.34	4240.85	4870.45	4755.35	4090.95	2488.26	936.96	187.70
2040	67.01	78.80	108.81	171.96	271.55	495.74	935.80	1670.77	2447.30	3193.38	4200.65	4915.81	4973.03	4118.14	2594.55	1008.62	196.21
2041	67.45	78.29	109.73	174.62	274.58	492.54	920.99	1672.47	2486.77	3234.18	4147.37	4966.44	5177.54	4144.04	2689.61	1080.22	208.67
2042	67.97	77.69	110.43	177.25	278.31	489.44	910.58	1658.42	2526.33	3290.97	4096.35	5011.37	5317.24	4224.69	2781.28	1150.04	226.97
2043	68.51	77.31	110.71	179.59	282.68	486.54	901.78	1638.82	2566.29	3347.89	4050.93	5025.46	5395.64	4415.07	2867.83	1216.88	246.87
2044	69.05	77.24	110.63	181.51	287.33	483.94	893.94	1616.51	2607.10	3391.55	4027.03	5006.77	5480.87	4649.50	2921.11	1284.46	266.66
2045	69.61	77.45	110.22	183.14	291.90	481.09	887.86	1590.03	2645.29	3430.45	4035.42	4962.06	5586.93	4866.39	2954.55	1357.05	286.10

Table S14 Projected age-standardized death rate (ASDR) for NALC in Men Globally by Age Group through 2045

year	ASDR																
	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
1992	0.01	0.02	0.03	0.05	0.10	0.19	0.34	0.57	0.97	1.44	1.94	2.57	3.08	3.41	3.62	3.56	2.65
1993	0.01	0.02	0.03	0.05	0.10	0.20	0.34	0.57	0.97	1.47	1.97	2.63	3.14	3.47	3.70	3.67	2.77
1994	0.01	0.02	0.03	0.05	0.10	0.20	0.34	0.58	0.98	1.49	2.01	2.69	3.20	3.55	3.79	3.75	2.83
1995	0.01	0.02	0.03	0.06	0.10	0.21	0.35	0.59	0.99	1.53	2.07	2.77	3.33	3.67	3.91	3.83	2.92
1996	0.01	0.02	0.03	0.06	0.10	0.21	0.36	0.60	0.99	1.55	2.11	2.82	3.42	3.77	4.04	3.92	3.00
1997	0.01	0.02	0.03	0.06	0.10	0.21	0.36	0.60	0.98	1.54	2.13	2.82	3.48	3.83	4.11	3.99	3.10
1998	0.01	0.02	0.03	0.06	0.10	0.21	0.37	0.62	1.00	1.55	2.20	2.88	3.63	3.98	4.23	4.10	3.14
1999	0.01	0.02	0.03	0.06	0.11	0.20	0.39	0.63	1.02	1.54	2.23	2.93	3.74	4.08	4.33	4.20	3.19
2000	0.01	0.02	0.03	0.06	0.11	0.20	0.40	0.64	1.03	1.54	2.24	2.98	3.81	4.25	4.47	4.36	3.24
2001	0.01	0.02	0.03	0.06	0.11	0.20	0.39	0.65	1.03	1.52	2.23	3.00	3.82	4.33	4.60	4.49	3.29
2002	0.01	0.02	0.03	0.06	0.11	0.20	0.37	0.65	1.04	1.51	2.20	2.98	3.83	4.45	4.70	4.60	3.32
2003	0.01	0.02	0.03	0.05	0.10	0.19	0.36	0.65	1.04	1.49	2.15	2.97	3.83	4.52	4.77	4.64	3.45
2004	0.01	0.02	0.03	0.05	0.10	0.19	0.35	0.64	1.02	1.48	2.09	2.93	3.81	4.54	4.74	4.61	3.44
2005	0.01	0.02	0.03	0.05	0.10	0.19	0.34	0.64	1.03	1.47	2.06	2.90	3.84	4.56	4.79	4.63	3.41

ASDR																	
year	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2006	0.01	0.02	0.03	0.05	0.10	0.19	0.33	0.64	1.03	1.46	2.03	2.85	3.84	4.58	4.83	4.68	3.43
2007	0.01	0.02	0.03	0.05	0.10	0.20	0.33	0.64	1.04	1.47	2.02	2.86	3.87	4.64	4.91	4.73	3.47
2008	0.01	0.02	0.03	0.05	0.10	0.20	0.34	0.65	1.06	1.51	2.06	2.89	3.95	4.84	5.15	5.04	3.65
2009	0.01	0.02	0.03	0.05	0.10	0.19	0.35	0.64	1.06	1.52	2.08	2.88	4.00	5.09	5.46	5.37	3.79
2010	0.01	0.02	0.03	0.05	0.10	0.19	0.35	0.63	1.06	1.54	2.12	2.89	4.03	5.33	5.68	5.71	4.01
2011	0.01	0.02	0.03	0.05	0.09	0.18	0.36	0.63	1.07	1.56	2.14	2.89	4.04	5.29	5.66	5.72	4.10
2012	0.01	0.02	0.03	0.05	0.09	0.18	0.36	0.63	1.09	1.60	2.15	2.90	4.04	5.29	5.71	5.81	4.30
2013	0.01	0.02	0.03	0.05	0.09	0.18	0.37	0.65	1.09	1.63	2.20	2.91	4.04	5.62	6.11	6.12	4.57
2014	0.01	0.02	0.03	0.05	0.09	0.18	0.38	0.67	1.10	1.69	2.26	2.94	4.07	5.81	6.37	6.38	4.80
2015	0.01	0.02	0.03	0.05	0.09	0.18	0.38	0.69	1.11	1.73	2.34	2.99	4.10	5.65	6.22	6.37	5.05
2016	0.01	0.02	0.03	0.05	0.09	0.18	0.38	0.69	1.10	1.73	2.37	3.01	4.10	5.56	6.17	6.45	5.20
2017	0.01	0.02	0.03	0.05	0.09	0.18	0.37	0.66	1.09	1.70	2.34	3.01	4.09	5.65	6.44	6.70	5.25
2018	0.01	0.02	0.03	0.05	0.09	0.18	0.37	0.66	1.09	1.71	2.37	3.04	4.11	5.63	6.48	6.87	5.49
2019	0.01	0.02	0.03	0.05	0.09	0.18	0.36	0.66	1.09	1.70	2.38	3.03	4.13	5.54	6.40	6.95	5.59
2020	0.01	0.02	0.03	0.05	0.09	0.18	0.36	0.65	1.11	1.71	2.37	3.05	4.18	5.56	6.51	7.21	5.63

ASDR																	
year	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2021	0.01	0.02	0.03	0.05	0.10	0.18	0.35	0.65	1.11	1.71	2.37	3.04	4.19	5.59	6.59	7.46	5.90
2022	0.02	0.02	0.03	0.05	0.10	0.18	0.35	0.65	1.11	1.70	2.38	3.17	4.23	5.55	6.47	7.22	5.89
2023	0.02	0.02	0.03	0.05	0.10	0.18	0.35	0.65	1.12	1.69	2.39	3.21	4.26	5.54	6.47	7.27	6.00
2024	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.64	1.12	1.69	2.39	3.25	4.29	5.53	6.47	7.33	6.10
2025	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.64	1.11	1.69	2.39	3.25	4.32	5.56	6.46	7.31	6.15
2026	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.63	1.10	1.69	2.38	3.25	4.36	5.59	6.45	7.30	6.20
2027	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.63	1.09	1.69	2.37	3.24	4.40	5.62	6.45	7.28	6.25
2028	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.62	1.08	1.69	2.37	3.24	4.43	5.65	6.44	7.26	6.30
2029	0.02	0.02	0.03	0.05	0.10	0.19	0.34	0.61	1.07	1.69	2.36	3.24	4.47	5.68	6.43	7.25	6.35
2030	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.61	1.06	1.67	2.36	3.22	4.45	5.72	6.45	7.23	6.32
2031	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.61	1.05	1.66	2.35	3.21	4.44	5.75	6.48	7.21	6.30
2032	0.02	0.02	0.03	0.05	0.10	0.18	0.34	0.60	1.04	1.64	2.35	3.19	4.43	5.78	6.50	7.19	6.27
2033	0.02	0.02	0.03	0.05	0.09	0.18	0.34	0.60	1.02	1.62	2.35	3.18	4.41	5.81	6.52	7.17	6.24
2034	0.02	0.02	0.03	0.05	0.09	0.18	0.34	0.60	1.01	1.60	2.34	3.16	4.40	5.85	6.54	7.14	6.22
2035	0.02	0.02	0.03	0.05	0.09	0.18	0.34	0.60	1.01	1.58	2.31	3.15	4.37	5.82	6.57	7.16	6.19

ASDR																	
year	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 to 44	45 to 49	50 to 54	55 to 59	60 to 64	65 to 69	70 to 74	75 to 79	80 to 84	85 to 89	90 to 94	95 plus
2036	0.02	0.02	0.03	0.05	0.09	0.18	0.33	0.59	1.00	1.56	2.28	3.14	4.35	5.79	6.59	7.17	6.16
2037	0.02	0.02	0.03	0.05	0.09	0.17	0.33	0.59	0.99	1.54	2.26	3.13	4.32	5.77	6.62	7.18	6.13
2038	0.02	0.02	0.03	0.05	0.09	0.17	0.33	0.59	0.98	1.52	2.23	3.11	4.29	5.74	6.64	7.19	6.10
2039	0.02	0.02	0.03	0.05	0.09	0.17	0.33	0.59	0.97	1.50	2.20	3.10	4.26	5.71	6.66	7.20	6.07
2040	0.02	0.02	0.03	0.05	0.09	0.17	0.32	0.59	0.97	1.49	2.17	3.07	4.25	5.68	6.63	7.22	6.08
2041	0.02	0.02	0.03	0.05	0.09	0.17	0.32	0.58	0.97	1.48	2.15	3.03	4.23	5.64	6.60	7.25	6.09
2042	0.02	0.02	0.03	0.05	0.09	0.16	0.32	0.58	0.97	1.47	2.12	3.00	4.22	5.61	6.57	7.28	6.10
2043	0.02	0.02	0.03	0.05	0.09	0.16	0.31	0.57	0.97	1.46	2.10	2.96	4.20	5.57	6.54	7.30	6.11
2044	0.02	0.02	0.03	0.05	0.09	0.16	0.31	0.57	0.96	1.45	2.07	2.93	4.18	5.54	6.51	7.33	6.11
2045	0.02	0.02	0.03	0.05	0.09	0.16	0.31	0.56	0.96	1.44	2.04	2.89	4.17	5.50	6.48	7.35	6.12