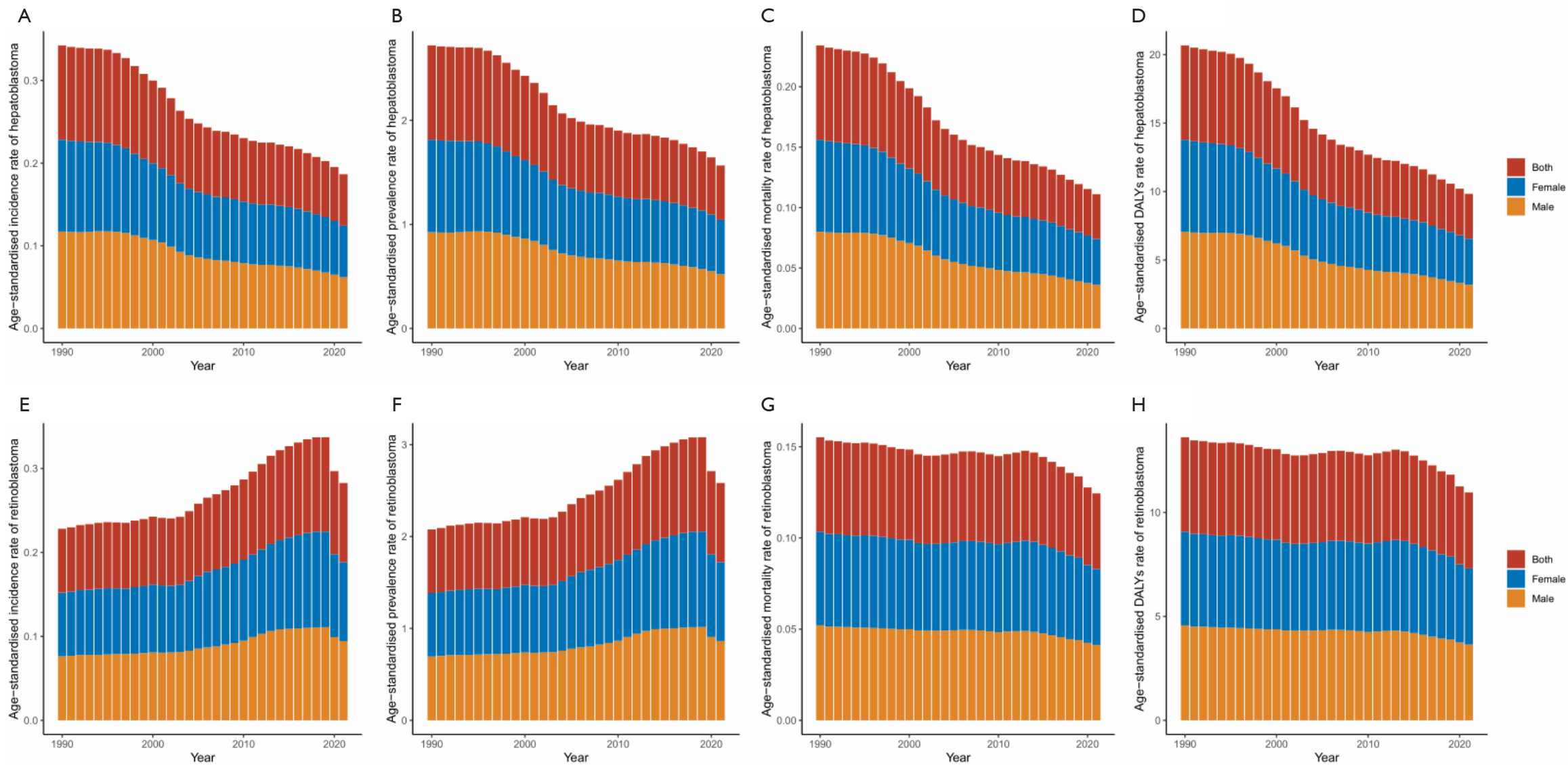
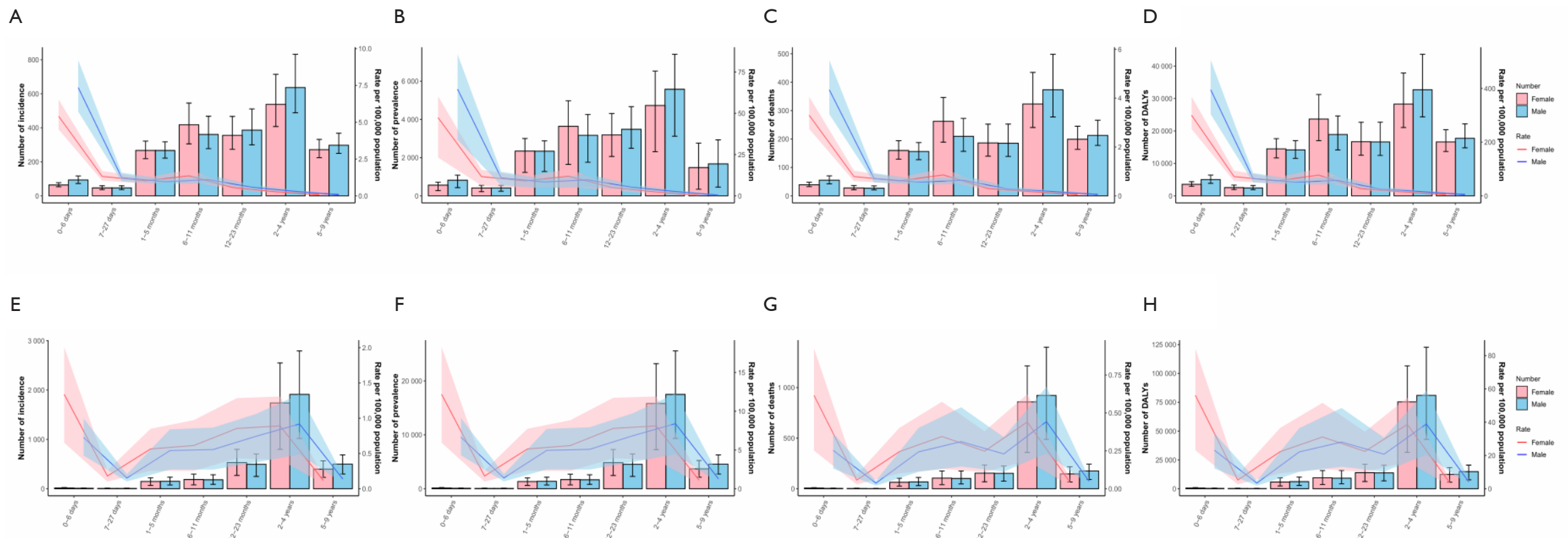


Appendix 1 GBD data processing and modeling strategies

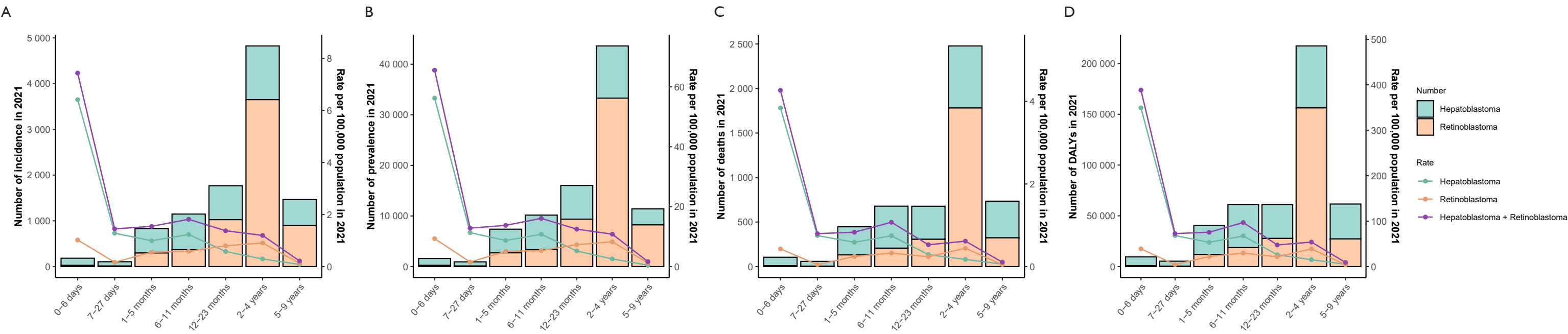
Before entering the GBD cause of death (CoD) database, cancer registry data (containing incidence and mortality data) went through a series of processing steps. These steps included data formatting, subtotal recalculation, causes mapping, age/sex splitting, cause disaggregation, redistribution, removal of duplicates and other steps. The processed data were matched by cancer, age, sex, year, and location to generate MIRs. MIRs for most cancers were estimated using spatiotemporal Gaussian process regression (ST-GPR) or negative binomial regression approach. Then the mortality estimates were generated from incidence and estimated MIRs and uploaded into CoD database along with vital registration (VR) and verbal autopsy (VA) data. These data were used to perform cancer-specific mortality modeling following the general Cause of Death Ensemble model (CODEm) process. The incidence estimates were combined with annual relative survival estimates from 1 to 10 years after diagnosis. Cancer-specific prediction models using SEER data were developed to estimate 5-year survival from MIRs. SEER\*Stat provided relevant statistics (mortality, incidence, relative survival) from nine SEER registries (1980–2014) by cancer type, sex, periods and age groups. Using a generalized linear model, 5-year relative survival was modeled with MIRs, weighted by case numbers. Predicted survival values were adjusted to fall between 0% and 100%. Annual survival estimates up to 10 years were generated by scaling SEER 1- to 10-year survival curves to GBD 5-year survival predictions under the proportional hazards assumption. Absolute survival estimates were calculated using an exponential survival function. The resulting absolute survival, combined with incidence, was used to estimate yearly prevalence. DALYs were the sums of YLDs and YLLs. YLDs were computed by multiplying the disability weight for each non-fatal sequela of a disease or injury and their respective prevalent counts, for each combination of age, sex, location, and year. YLLs were computed by multiplying the standard life expectancy at the age when death occurred by the number of deaths, also for each combination of age, sex, location, and year. Uncertainty analysis using Monte Carlo simulations was performed. The final estimates are presented as the mean estimate across 500 computations and 95% uncertainty intervals (UIs) represented by the 2.5th and 97.5th percentile values. Detailed methodology of the models above can be available in the GBD 2021 methods appendices (<https://www.healthdata.org/gbd/methods-appendices-2021/cancers>).



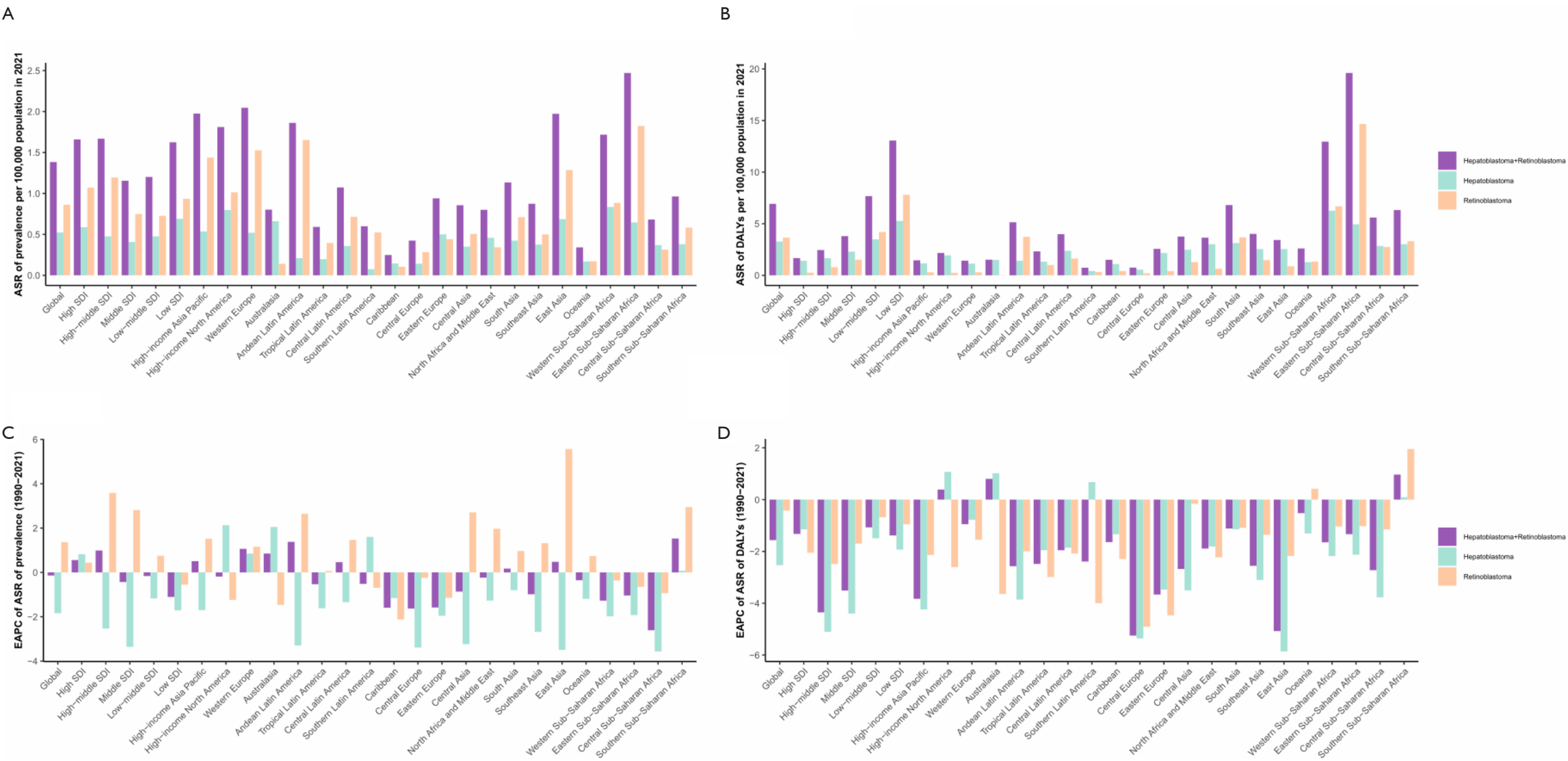
**Figure S1** The global changing trend of ASRs of incidence, prevalence, deaths and DALYs of different genders for hepatoblastoma and retinoblastoma from 1990 to 2021. ASRs of incidence (A), prevalence (B), deaths (C), DALYs (D) of hepatoblastoma; ASRs of incidence (E), prevalence (F), deaths (G), DALYs (H) of retinoblastoma. ASRs, age-standardised rates; DALYs, disability-adjusted life-years.



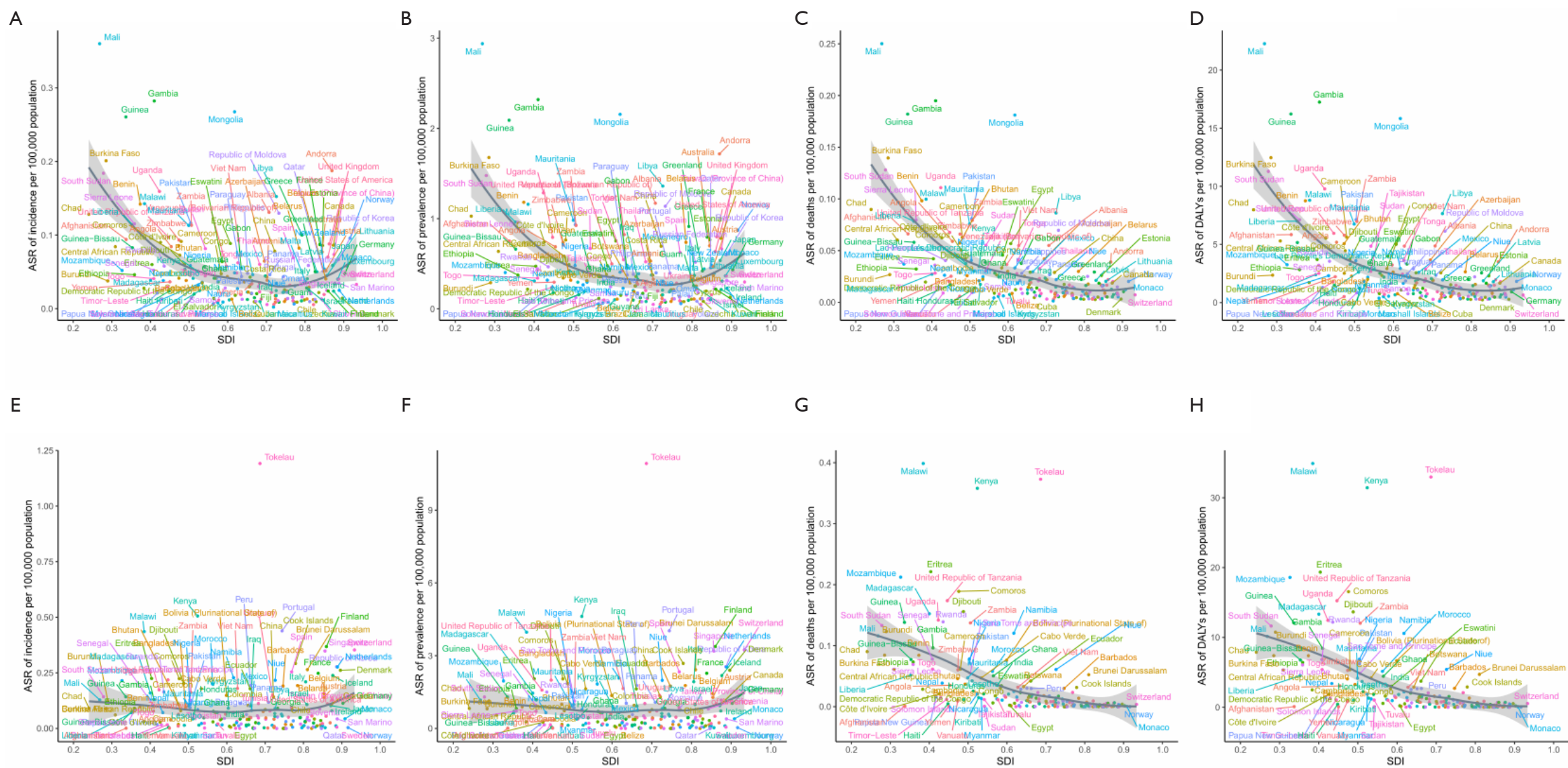
**Figure S2** The global incidence, prevalence, deaths and DALYs of hepatoblastoma and retinoblastoma among different age groups in 2021, by sex. Numbers and rates of incidence (A), prevalence (B), deaths (C), DALYs (D) of hepatoblastoma; numbers and rates of incidence (E), prevalence (F), deaths (G), DALYs (H) of retinoblastoma. DALYs, disability-adjusted life-years.



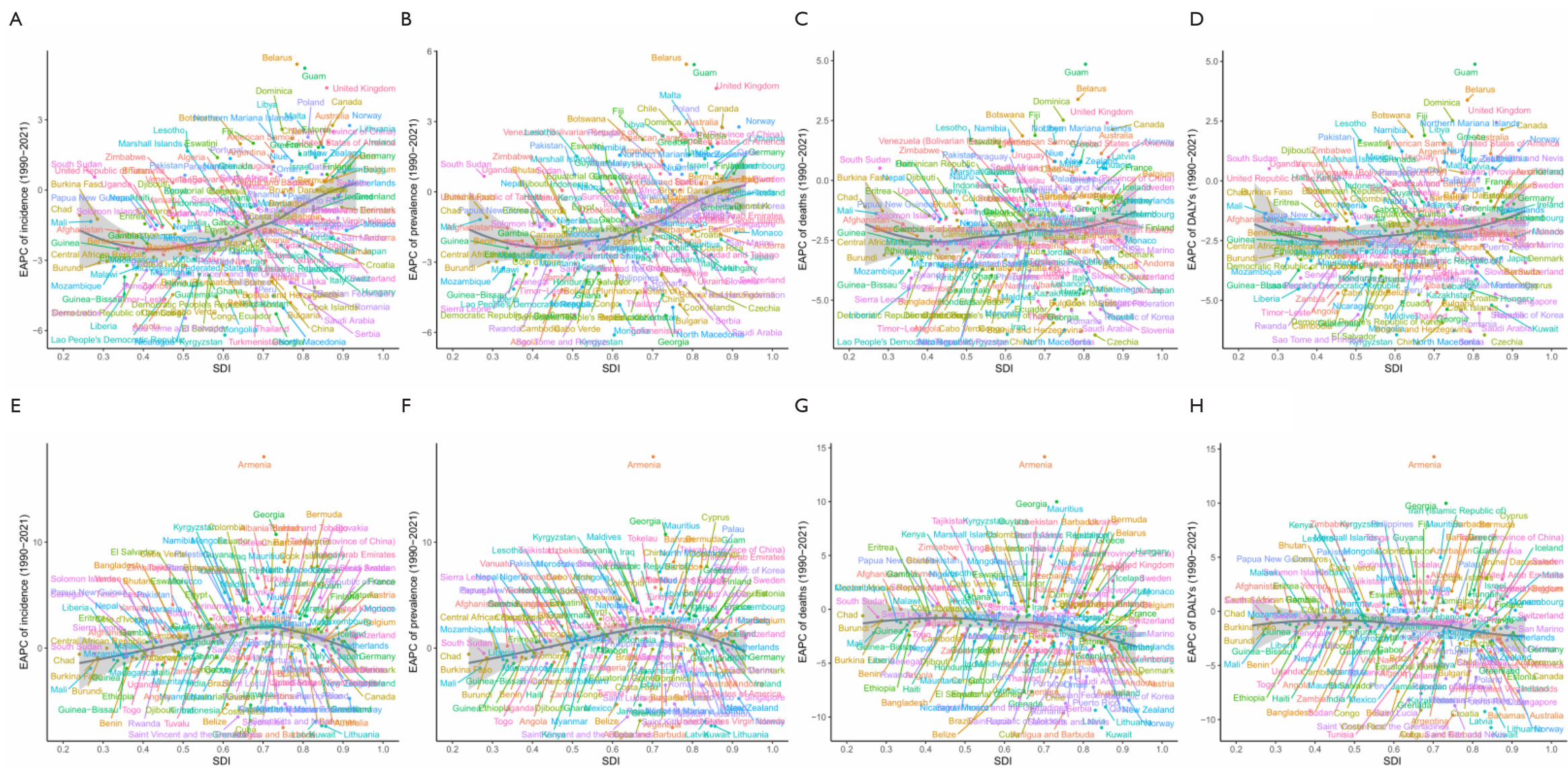
**Figure S3** The global incidence, prevalence, deaths and DALYs rates of hepatoblastoma and retinoblastoma among different age groups in 2021. Numbers and rates of incidence (A), prevalence (B), deaths (C), DALYs (D) of hepatoblastoma and retinoblastoma. DALYs, disability-adjusted life-years.



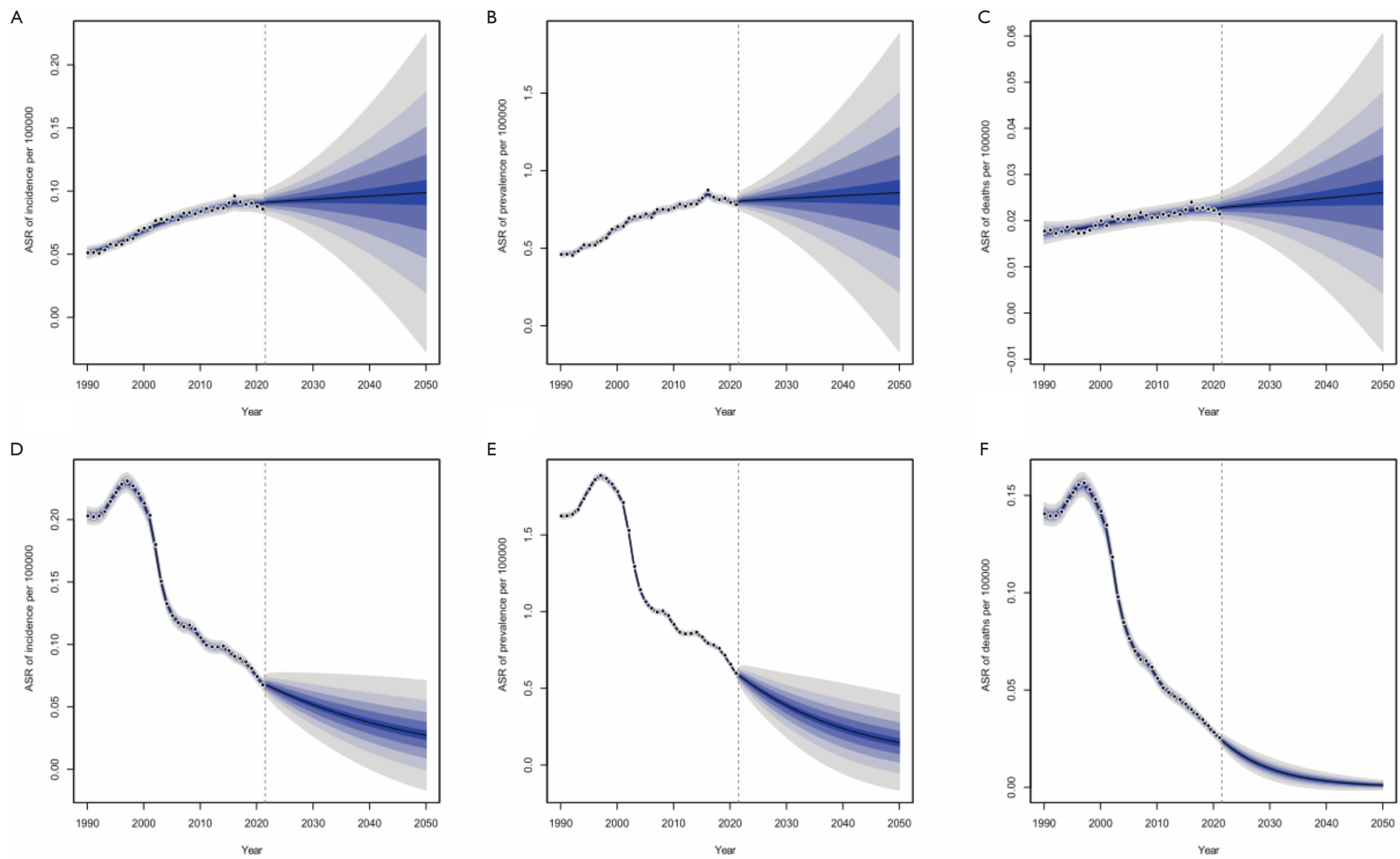
**Figure S4** ASRs of prevalence and DALYs in 2021, and their EAPCs from 1990 to 2021 for hepatoblastoma and retinoblastoma, globally and by 21 GBD regions. ASRs of prevalence (A) and DALYs (B), and EAPCs of ASRs of prevalence (C) and DALYs (D). DALYs, disability-adjusted life-years; ASRs, age-standardised rates; DALYs, disability-adjusted life-years; EAPCs, estimated annual percentage changes.



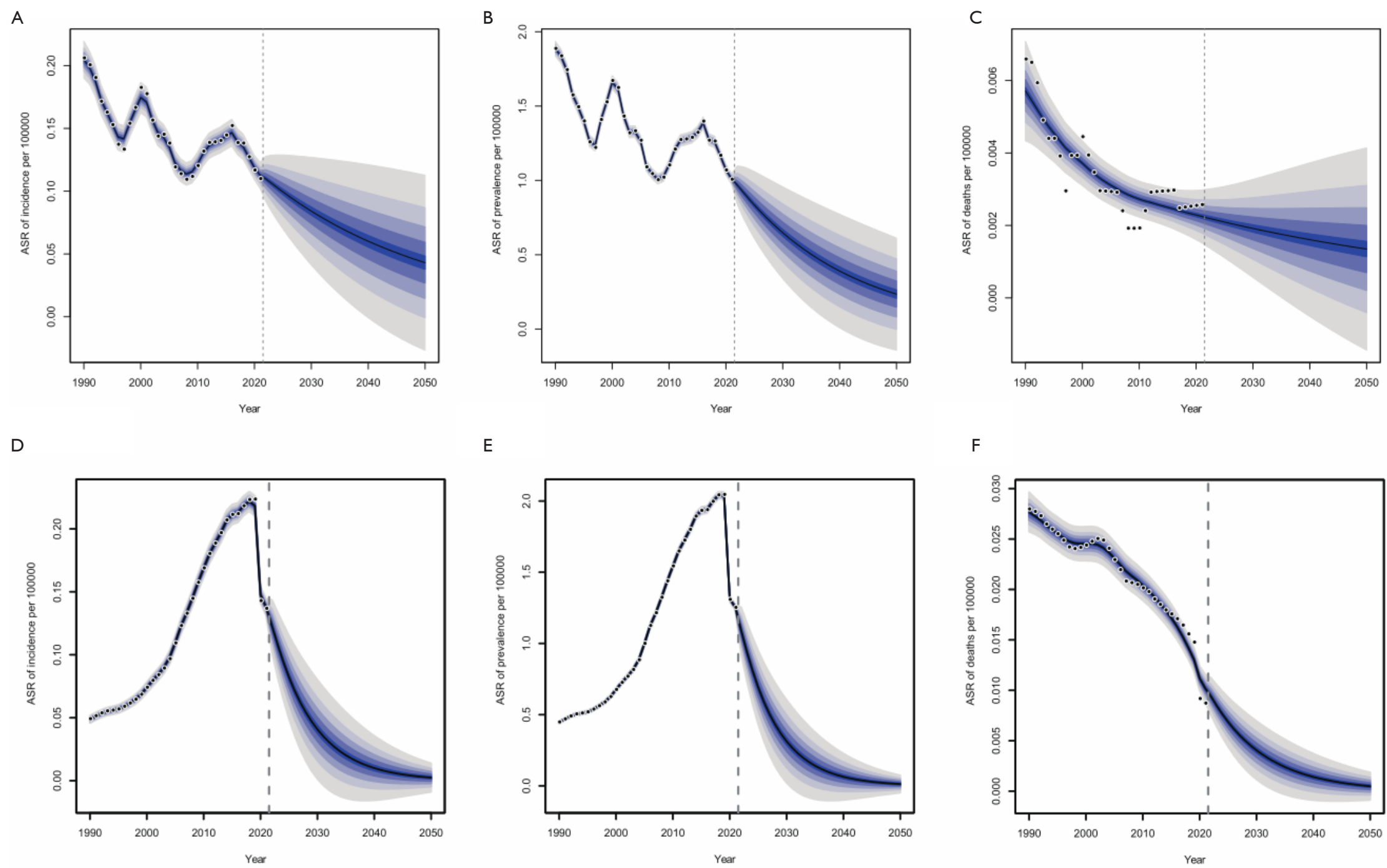
**Figure S5** ASRs of incidence, prevalence, deaths and DALYs of hepatoblastoma and retinoblastoma, for 204 countries and territories, by SDI in 2021. ASRs of incidence (A), prevalence (B), deaths (C), and DALYs (D) of hepatoblastoma, by SDI; ASRs of incidence (E), prevalence (F), deaths (G), and DALYs (H) of retinoblastoma, by SDI. Countries and territories above the solid line show a higher-than-expected burden, and countries and territories below the line represent a lower-than-expected burden. ASRs, age-standardised rates; DALYs, disability-adjusted life-years; SDI, socio-demographic index.



**Figure S6** EAPCs (1990–2021) of ASRs of incidence, prevalence, deaths and DALYs of hepatoblastoma and retinoblastoma, for 204 countries and territories, by SDI in 2021. EAPCs of ASRs of incidence (A), prevalence (B), deaths (C), and DALYs (D) of hepatoblastoma, by SDI; EAPCs of ASRs of incidence (E), prevalence (F), deaths (G), and DALYs (H) of retinoblastoma, by SDI. Countries and territories above the solid line show a higher-than-expected burden, and countries and territories below the line represent a lower-than-expected burden. EAPCs, estimated annual percentage changes; ASRs, age-standardised rates; DALYs, disability-adjusted life-years; SDI, socio-demographic index.



**Figure S7** Projections of ASRs of incidence, prevalence, and deaths of hepatoblastoma in the USA and China to 2050. Projections of ASRs of incidence (A), prevalence (B), and deaths (C) of hepatoblastoma in the USA; projections of ASRs of incidence (D), prevalence (E), and deaths (F) of hepatoblastoma in China. ASRs, age-standardised rates; USA, United States of America.



**Figure S8** Projections of ASRs of incidence, prevalence, and deaths of retinoblastoma in the USA and China to 2050. Projections of ASRs of incidence (A), prevalence (B), and deaths (C) of retinoblastoma in the USA; projections of ASRs of incidence (D), prevalence (E), and deaths (F) of retinoblastoma in China. ASRs, age-standardised rates; USA, United States of America.

**Table S1** Global and regional prevalence and DALYs of hepatoblastoma and retinoblastoma in 1990 and 2021, and estimated annual percentage changes from 1990 to 2021

| Location                     | Prevalence                      |                                 |                                 |                                 |                        | DALYs                              |                                 |                                    |                                 |                        |
|------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|------------------------------------|---------------------------------|------------------------------------|---------------------------------|------------------------|
|                              | Number of cases, 1990           | ASR per 100000 population, 1990 | Number of cases, 2021           | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                        | ASR per 100000 population, 1990 | Count, 2021                        | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Hepatoblastoma               |                                 |                                 |                                 |                                 |                        |                                    |                                 |                                    |                                 |                        |
| Global                       | 56183.04 (20484.33 to 73950.87) | 0.91 (0.33 to 1.20)             | 33829.16 (18007.12 to 44472.51) | 0.52 (0.28 to 0.68)             | −1.84 (−1.98 to −1.70) | 426364.67 (348855.70 to 500155.87) | 6.90 (5.64 to 8.09)             | 213477.91 (170089.51 to 267250.26) | 3.27 (2.61 to 4.10)             | −2.53 (−2.67 to −2.39) |
| Regions                      |                                 |                                 |                                 |                                 |                        |                                    |                                 |                                    |                                 |                        |
| High SDI                     | 2895.35 (2545.25 to 3159.99)    | 0.47 (0.41 to 0.51)             | 3114.25 (2798.67 to 3428.02)    | 0.59 (0.53 to 0.65)             | 0.82 (0.51 to 1.14)    | 12746.38 (11765.29 to 13782.25)    | 2.05 (1.90 to 2.22)             | 7603.68 (6978.67 to 8189.41)       | 1.41 (1.29 to 1.52)             | −1.15 (−1.21 to −1.08) |
| High-middle SDI              | 8225.59 (4834.06 to 10305.11)   | 0.90 (0.53 to 1.13)             | 3171.88 (2458.26 to 4031.36)    | 0.48 (0.37 to 0.60)             | −2.53 (−2.89 to −2.17) | 58221.98 (49980.00 to 68442.92)    | 6.36 (5.45 to 7.48)             | 11579.98 (9596.84 to 13953.73)     | 1.66 (1.37 to 2.01)             | −5.10 (−5.55 to −4.66) |
| Middle SDI                   | 21126.84 (7491.65 to 27054.12)  | 1.06 (0.38 to 1.36)             | 7000.82 (5041.72 to 9324.09)    | 0.41 (0.29 to 0.54)             | −3.36 (−3.65 to −3.07) | 162544.90 (141566.98 to 187916.20) | 8.16 (7.11 to 9.43)             | 40298.99 (32391.32 to 50165.40)    | 2.29 (1.84 to 2.86)             | −4.40 (−4.67 to −4.13) |
| Low-middle SDI               | 12819.46 (3163.70 to 18818.87)  | 0.74 (0.18 to 1.09)             | 9040.80 (3983.39 to 11915.33)   | 0.48 (0.21 to 0.62)             | −1.17 (−1.28 to −1.06) | 102973.20 (69477.72 to 129549.91)  | 5.94 (4.00 to 7.48)             | 66392.88 (53247.05 to 80992.05)    | 3.47 (2.78 to 4.24)             | −1.49 (−1.59 to −1.40) |
| Low SDI                      | 11091.73 (2435.76 to 16512.90)  | 1.21 (0.26 to 1.81)             | 11486.75 (2916.29 to 16897.82)  | 0.69 (0.17 to 1.02)             | −1.71 (−1.81 to −1.62) | 89698.77 (62314.49 to 115953.64)   | 9.79 (6.67 to 12.76)            | 87505.32 (61642.88 to 118845.84)   | 5.27 (3.71 to 7.16)             | −1.93 (−2.02 to −1.84) |
| High-income Asia Pacific     | 859.65 (694.71 to 1052.05)      | 0.84 (0.69 to 1.02)             | 339.08 (295.48 to 398.54)       | 0.54 (0.47 to 0.63)             | −1.70 (−2.48 to −0.92) | 4132.67 (3207.36 to 5190.45)       | 3.92 (3.07 to 4.91)             | 763.19 (681.61 to 884.34)          | 1.16 (1.04 to 1.35)             | −4.24 (−4.67 to −3.81) |
| High-income North America    | 991.04 (923.43 to 1037.34)      | 0.46 (0.42 to 0.48)             | 1621.15 (1418.98 to 1819.61)    | 0.80 (0.70 to 0.89)             | 2.13 (1.86 to 2.40)    | 3339.11 (3259.62 to 3417.05)       | 1.54 (1.50 to 1.58)             | 3991.69 (3583.78 to 4429.99)       | 1.93 (1.73 to 2.15)             | 1.07 (0.94 to 1.20)    |
| Western Europe               | 947.21 (864.11 to 1009.82)      | 0.41 (0.38 to 0.44)             | 1086.61 (941.10 to 1226.89)     | 0.52 (0.45 to 0.59)             | 0.85 (0.67 to 1.03)    | 3629.75 (3460.37 to 3805.14)       | 1.57 (1.50 to 1.65)             | 2412.36 (2143.62 to 2710.64)       | 1.13 (1.00 to 1.27)             | −0.77 (−0.98 to −0.57) |
| Australasia                  | 55.90 (48.45 to 63.24)          | 0.36 (0.32 to 0.41)             | 119.38 (92.99 to 151.64)        | 0.66 (0.51 to 0.84)             | 2.05 (1.74 to 2.36)    | 182.28 (161.48 to 202.78)          | 1.18 (1.05 to 1.31)             | 274.49 (218.49 to 338.65)          | 1.49 (1.19 to 1.84)             | 1.02 (0.79 to 1.25)    |
| Andean Latin America         | 309.52 (72.58 to 454.07)        | 0.59 (0.14 to 0.86)             | 128.54 (72.69 to 200.99)        | 0.21 (0.12 to 0.33)             | −3.29 (−3.58 to −3.00) | 2440.05 (1757.11 to 3209.72)       | 4.63 (3.33 to 6.10)             | 866.25 (595.56 to 1258.24)         | 1.41 (0.96 to 2.04)             | −3.86 (−4.12 to −3.60) |
| Tropical Latin America       | 624.78 (204.85 to 822.98)       | 0.37 (0.12 to 0.48)             | 336.41 (230.73 to 439.20)       | 0.20 (0.14 to 0.26)             | −1.62 (−1.94 to −1.29) | 4783.91 (4137.09 to 5653.07)       | 2.80 (2.42 to 3.31)             | 2255.94 (1743.67 to 2760.94)       | 1.32 (1.02 to 1.62)             | −1.95 (−2.30 to −1.60) |
| Central Latin America        | 1381.91 (448.80 to 1741.88)     | 0.60 (0.19 to 0.76)             | 717.50 (478.80 to 991.91)       | 0.36 (0.24 to 0.50)             | −1.34 (−1.47 to −1.21) | 10740.04 (9950.18 to 11705.21)     | 4.69 (4.34 to 5.11)             | 4814.49 (3718.89 to 6238.27)       | 2.37 (1.83 to 3.08)             | −1.85 (−2.00 to −1.71) |
| Southern Latin America       | 28.61 (17.50 to 35.97)          | 0.06 (0.03 to 0.07)             | 32.25 (24.04 to 41.63)          | 0.08 (0.06 to 0.10)             | 1.60 (1.32 to 1.88)    | 206.38 (177.75 to 238.32)          | 0.40 (0.35 to 0.46)             | 186.58 (152.89 to 224.95)          | 0.42 (0.34 to 0.51)             | 0.68 (0.41 to 0.95)    |
| Caribbean                    | 89.59 (32.99 to 147.15)         | 0.22 (0.08 to 0.36)             | 55.72 (23.99 to 92.48)          | 0.14 (0.06 to 0.24)             | −1.16 (−1.38 to −0.93) | 708.75 (449.18 to 1028.64)         | 1.72 (1.09 to 2.50)             | 421.23 (274.52 to 659.07)          | 1.09 (0.71 to 1.71)             | −1.34 (−1.57 to −1.11) |
| Central Europe               | 360.35 (249.63 to 442.83)       | 0.40 (0.28 to 0.49)             | 78.28 (61.86 to 97.46)          | 0.14 (0.11 to 0.18)             | −3.39 (−3.85 to −2.92) | 2467.38 (2130.04 to 2879.62)       | 2.70 (2.33 to 3.15)             | 308.93 (250.97 to 379.85)          | 0.55 (0.45 to 0.68)             | −5.36 (−5.75 to −4.97) |
| Eastern Europe               | 1307.15 (1021.32 to 1497.71)    | 0.78 (0.62 to 0.89)             | 501.52 (425.99 to 571.45)       | 0.50 (0.43 to 0.56)             | −1.96 (−2.47 to −1.45) | 8693.24 (8163.67 to 9247.84)       | 5.13 (4.82 to 5.47)             | 2275.93 (2065.03 to 2482.38)       | 2.16 (1.95 to 2.37)             | −3.47 (−3.83 to −3.11) |
| Central Asia                 | 935.08 (419.44 to 1280.31)      | 1.00 (0.44 to 1.37)             | 347.07 (214.44 to 499.98)       | 0.35 (0.22 to 0.50)             | −3.24 (−3.40 to −3.07) | 6969.26 (5703.75 to 8754.26)       | 7.48 (6.13 to 9.37)             | 2452.56 (1790.56 to 3257.19)       | 2.48 (1.81 to 3.29)             | −3.50 (−3.64 to −3.36) |
| North Africa and Middle East | 3919.11 (1357.03 to 5534.81)    | 0.77 (0.26 to 1.09)             | 2756.92 (1720.63 to 3777.87)    | 0.46 (0.29 to 0.63)             | −1.27 (−1.43 to −1.11) | 30448.59 (22384.19 to 38791.46)    | 5.98 (4.40 to 7.62)             | 18311.56 (14369.50 to 23310.53)    | 3.02 (2.37 to 3.84)             | −1.81 (−1.94 to −1.68) |
| South Asia                   | 9035.63 (2180.08 to 14169.21)   | 0.58 (0.14 to 0.90)             | 6655.56 (2671.25 to 9204.07)    | 0.42 (0.17 to 0.59)             | −0.80 (−0.92 to −0.68) | 73501.36 (43935.10 to 98979.76)    | 4.69 (2.79 to 6.32)             | 49392.27 (38650.49 to 63299.96)    | 3.12 (2.45 to 4.00)             | −1.15 (−1.25 to −1.04) |
| Southeast Asia               | 5170.69 (1731.93 to 7455.38)    | 0.89 (0.30 to 1.28)             | 2107.00 (1316.79 to 3061.05)    | 0.38 (0.24 to 0.54)             | −2.68 (−2.85 to −2.52) | 39817.83 (26731.75 to 51276.91)    | 6.82 (4.57 to 8.79)             | 14379.46 (10668.96 to 19804.69)    | 2.54 (1.88 to 3.50)             | −3.10 (−3.23 to −2.97) |
| East Asia                    | 18577.44 (7354.59 to 24720.47)  | 1.62 (0.64 to 2.16)             | 4941.73 (3442.32 to 7019.76)    | 0.69 (0.48 to 0.98)             | −3.49 (−3.95 to −3.04) | 141422.61 (117855.26 to 172858.47) | 12.39 (10.32 to 15.14)          | 19493.38 (14057.66 to 27329.21)    | 2.55 (1.84 to 3.61)             | −5.86 (−6.40 to −5.31) |
| Oceania                      | 23.37 (5.22 to 44.10)           | 0.23 (0.05 to 0.44)             | 32.94 (8.31 to 61.42)           | 0.17 (0.04 to 0.32)             | −1.19 (−1.52 to −0.86) | 182.82 (113.54 to 315.89)          | 1.81 (1.12 to 3.13)             | 246.45 (140.54 to 429.76)          | 1.27 (0.73 to 2.21)             | −1.31 (−1.65 to −0.97) |
| Western Sub-Saharan Africa   | 5740.11 (1273.09 to 8493.58)    | 1.55 (0.34 to 2.30)             | 6783.47 (2012.12 to 9805.04)    | 0.83 (0.25 to 1.21)             | −1.98 (−2.10 to −1.86) | 45617.27 (33239.75 to 59862.26)    | 12.34 (8.88 to 16.34)           | 50842.05 (36812.19 to 67184.23)    | 6.26 (4.53 to 8.29)             | −2.18 (−2.30 to −2.05) |
| Eastern Sub-Saharan Africa   | 4421.62 (955.01 to 6832.53)     | 1.22 (0.26 to 1.90)             | 4110.28 (1000.32 to 7828.46)    | 0.65 (0.16 to 1.23)             | −1.92 (−2.05 to −1.80) | 35652.33 (24335.18 to 46801.13)    | 9.91 (6.68 to 13.13)            | 31385.75 (18412.32 to 54974.87)    | 4.94 (2.90 to 8.65)             | −2.13 (−2.24 to −2.02) |
| Central Sub-Saharan Africa   | 1146.55 (208.08 to 2079.84)     | 1.12 (0.20 to 2.07)             | 773.06 (173.28 to 1526.51)      | 0.37 (0.08 to 0.73)             | −3.56 (−3.74 to −3.38) | 9396.21 (5070.89 to 14864.86)      | 9.21 (4.95 to 14.72)            | 5971.05 (2682.99 to 11311.58)      | 2.85 (1.28 to 5.40)             | −3.77 (−3.97 to −3.57) |
| Southern Sub-Saharan Africa  | 257.71 (66.44 to 394.81)        | 0.35 (0.09 to 0.53)             | 304.68 (106.34 to 469.22)       | 0.38 (0.13 to 0.58)             | 0.07 (−0.18 to 0.33)   | 2032.84 (1309.14 to 2817.26)       | 2.73 (1.76 to 3.78)             | 2432.31 (1729.92 to 3270.53)       | 3.02 (2.15 to 4.07)             | 0.09 (−0.21 to 0.39)   |
| Retinoblastoma               |                                 |                                 |                                 |                                 |                        |                                    |                                 |                                    |                                 |                        |
| Global                       | 42549.60 (27687.26 to 54219.91) | 0.69 (0.45 to 0.88)             | 57333.29 (35246.95 to 76615.45) | 0.86 (0.53 to 1.15)             | 1.36 (1.15 to 1.57)    | 279066.14 (159656.45 to 365149.79) | 4.54 (2.60 to 5.94)             | 243204.27 (147357.66 to 330473.92) | 3.65 (2.21 to 4.96)             | −0.42 (−0.53 to −0.31) |
| Regions                      |                                 |                                 |                                 |                                 |                        |                                    |                                 |                                    |                                 |                        |
| High SDI                     | 7493.23 (6267.88 to 8805.32)    | 1.20 (1.01 to 1.41)             | 5948.37 (4481.18 to 7606.79)    | 1.07 (0.81 to 1.37)             | 0.44 (0.11 to 0.77)    | 3920.16 (3251.43 to 4618.64)       | 0.63 (0.52 to 0.74)             | 1444.55 (1134.03 to 1777.95)       | 0.26 (0.20 to 0.32)             | −2.05 (−2.51 to −1.59) |
| High-middle SDI              | 5531.18 (3707.37 to 8218.57)    | 0.59 (0.40 to 0.88)             | 8559.85 (4466.41 to 12686.90)   | 1.19 (0.62 to 1.78)             | 3.59 (3.11 to 4.07)    | 18893.96 (10621.25 to 28898.74)    | 2.03 (1.14 to 3.10)             | 5661.16 (2820.21 to 8334.96)       | 0.78 (0.39 to 1.16)             | −2.49 (−2.79 to −2.18) |
| Middle SDI                   | 8272.53 (4745.77 to 12176.69)   | 0.41 (0.24 to 0.61)             | 13551.46 (7767.67 to 19120.23)  | 0.75 (0.42 to 1.05)             | 2.81 (2.52 to 3.11)    | 57028.48 (33775.27 to 75468.35)    | 2.85 (1.69 to 3.77)             | 27522.06 (15646.13 to 37126.13)    | 1.51 (0.86 to 2.04)             | −1.70 (−1.88 to −1.51) |
| Low-middle SDI               | 10887.95 (5990.02 to 15344.46)  | 0.64 (0.35 to 0.90)             | 13970.67 (8043.30 to 20461.90)  | 0.73 (0.42 to 1.06)             | 0.75 (0.55 to 0.95)    | 99162.85 (53558.02 to 138758.48)   | 5.79 (3.13 to 8.09)             | 80917.68 (48497.44 to 111997.40)   | 4.20 (2.52 to 5.82)             | −0.68 (−0.79 to −0.57) |
| Low SDI                      | 10343.27 (5689.70 to 14273.19)  |                                 |                                 |                                 |                        |                                    |                                 |                                    |                                 |                        |

**Table S2** Incidence and deaths of hepatoblastoma, retinoblastoma and two cancers together in 1990 and 2021, and estimated annual percentage changes from 1990 to 2021, by country

| Location                              | Incidence                    |                                 |                           |                                 |                        | Deaths                       |                                 |                           |                                 |                        |
|---------------------------------------|------------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|------------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|
|                                       | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Hepatoblastoma                        |                              |                                 |                           |                                 |                        |                              |                                 |                           |                                 |                        |
| Afghanistan                           | 34.34 (11.48 to 60.69)       | 0.20 (0.07 to 0.35)             | 51.43 (33.28 to 77.37)    | 0.09 (0.06 to 0.14)             | −1.75 (−2.12 to −1.38) | 24.50 (8.17 to 43.50)        | 0.14 (0.05 to 0.25)             | 36.13 (23.58 to 54.55)    | 0.07 (0.04 to 0.10)             | −1.82 (−2.18 to −1.46) |
| Albania                               | 12.28 (8.11 to 17.61)        | 0.31 (0.20 to 0.44)             | 1.86 (1.10 to 3.08)       | 0.13 (0.08 to 0.22)             | −3.01 (−3.53 to −2.48) | 8.28 (5.50 to 11.91)         | 0.21 (0.14 to 0.30)             | 0.79 (0.47 to 1.31)       | 0.06 (0.03 to 0.09)             | −4.69 (−5.08 to −4.29) |
| Algeria                               | 20.37 (14.54 to 28.95)       | 0.05 (0.04 to 0.08)             | 15.32 (9.44 to 24.10)     | 0.03 (0.02 to 0.05)             | −1.30 (−1.42 to −1.18) | 13.97 (10.04 to 20.22)       | 0.04 (0.03 to 0.05)             | 8.83 (5.42 to 13.96)      | 0.02 (0.01 to 0.03)             | −1.86 (−1.99 to −1.73) |
| American Samoa                        | 0.01 (0.00 to 0.01)          | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.01)       | 0.01 (0.01 to 0.03)             | 1.66 (1.03 to 2.29)    | 0.00 (0.00 to 0.01)          | 0.01 (0.00 to 0.01)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | 1.55 (0.89 to 2.22)    |
| Andorra                               | 0.10 (0.04 to 0.17)          | 0.34 (0.14 to 0.60)             | 0.05 (0.03 to 0.08)       | 0.19 (0.11 to 0.31)             | −1.81 (−2.12 to −1.49) | 0.03 (0.01 to 0.05)          | 0.10 (0.04 to 0.17)             | 0.01 (0.01 to 0.02)       | 0.04 (0.02 to 0.06)             | −2.53 (−2.87 to −2.19) |
| Angola                                | 64.00 (22.50 to 123.28)      | 0.34 (0.12 to 0.66)             | 47.13 (15.31 to 95.67)    | 0.08 (0.03 to 0.17)             | −4.65 (−4.87 to −4.42) | 45.54 (16.08 to 86.87)       | 0.24 (0.09 to 0.47)             | 32.98 (10.75 to 67.92)    | 0.06 (0.02 to 0.12)             | −4.70 (−4.93 to −4.47) |
| Antigua and Barbuda                   | 0.01 (0.01 to 0.01)          | 0.01 (0.01 to 0.02)             | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.02)             | −0.10 (−0.37 to 0.17)  | 0.01 (0.00 to 0.01)          | 0.01 (0.01 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.01)             | −0.50 (−0.79 to −0.20) |
| Argentina                             | 2.37 (2.01 to 2.77)          | 0.01 (0.01 to 0.01)             | 2.71 (2.16 to 3.32)       | 0.01 (0.01 to 0.01)             | 1.22 (0.94 to 1.50)    | 1.61 (1.36 to 1.88)          | 0.00 (0.00 to 0.01)             | 1.65 (1.33 to 2.02)       | 0.01 (0.00 to 0.01)             | 0.79 (0.51 to 1.08)    |
| Armenia                               | 2.68 (2.16 to 3.38)          | 0.07 (0.06 to 0.09)             | 0.73 (0.55 to 0.98)       | 0.04 (0.03 to 0.05)             | −1.82 (−2.03 to −1.60) | 1.78 (1.43 to 2.25)          | 0.05 (0.04 to 0.06)             | 0.42 (0.32 to 0.56)       | 0.02 (0.02 to 0.03)             | −2.38 (−2.61 to −2.16) |
| Australia                             | 5.13 (4.52 to 5.79)          | 0.04 (0.04 to 0.05)             | 11.57 (8.86 to 14.71)     | 0.08 (0.06 to 0.10)             | 2.05 (1.37 to 2.40)    | 1.56 (1.37 to 1.76)          | 0.01 (0.01 to 0.01)             | 2.56 (2.01 to 3.21)       | 0.02 (0.01 to 0.02)             | 1.12 (0.84 to 1.41)    |
| Austria                               | 2.00 (1.73 to 2.33)          | 0.04 (0.04 to 0.05)             | 2.20 (1.69 to 2.89)       | 0.05 (0.04 to 0.07)             | 0.39 (0.12 to 0.66)    | 0.75 (0.65 to 0.87)          | 0.02 (0.01 to 0.02)             | 0.48 (0.37 to 0.63)       | 0.01 (0.01 to 0.01)             | −1.11 (−1.37 to −0.85) |
| Azerbaijan                            | 8.19 (4.11 to 14.55)         | 0.09 (0.05 to 0.16)             | 4.81 (2.57 to 8.70)       | 0.06 (0.03 to 0.12)             | −1.53 (−1.77 to −1.28) | 5.65 (2.88 to 9.91)          | 0.06 (0.03 to 0.11)             | 3.16 (1.76 to 5.53)       | 0.04 (0.02 to 0.07)             | −1.79 (−2.05 to −1.53) |
| Bahamas                               | 0.06 (0.05 to 0.07)          | 0.02 (0.02 to 0.03)             | 0.03 (0.02 to 0.04)       | 0.01 (0.01 to 0.02)             | −1.95 (−2.28 to −1.62) | 0.04 (0.03 to 0.05)          | 0.01 (0.01 to 0.02)             | 0.02 (0.01 to 0.03)       | 0.01 (0.01 to 0.01)             | −2.19 (−2.54 to −1.84) |
| Bahrain                               | 0.22 (0.16 to 0.29)          | 0.04 (0.03 to 0.05)             | 0.22 (0.14 to 0.30)       | 0.02 (0.02 to 0.03)             | −1.08 (−1.90 to −0.26) | 0.15 (0.11 to 0.20)          | 0.02 (0.02 to 0.03)             | 0.10 (0.06 to 0.13)       | 0.01 (0.01 to 0.01)             | −2.60 (−3.24 to −1.95) |
| Bangladesh                            | 177.93 (66.87 to 294.27)     | 0.09 (0.04 to 0.16)             | 55.50 (36.40 to 78.64)    | 0.04 (0.03 to 0.05)             | −2.71 (−2.83 to −2.60) | 126.20 (47.73 to 211.19)     | 0.07 (0.03 to 0.11)             | 37.49 (24.83 to 53.81)    | 0.03 (0.02 to 0.04)             | −2.89 (−3.01 to −2.77) |
| Barbados                              | 0.03 (0.02 to 0.03)          | 0.01 (0.01 to 0.02)             | 0.01 (0.01 to 0.02)       | 0.01 (0.01 to 0.01)             | −0.89 (−1.30 to −0.48) | 0.02 (0.01 to 0.02)          | 0.01 (0.01 to 0.01)             | 0.01 (0.01 to 0.01)       | 0.01 (0.00 to 0.01)             | −1.24 (−1.66 to −0.81) |
| Belarus                               | 1.70 (1.33 to 2.25)          | 0.02 (0.02 to 0.03)             | 3.84 (2.35 to 5.89)       | 0.08 (0.05 to 0.13)             | 5.38 (4.56 to 6.19)    | 1.06 (0.82 to 1.38)          | 0.01 (0.01 to 0.02)             | 1.45 (0.93 to 2.13)       | 0.03 (0.02 to 0.04)             | 3.39 (2.50 to 4.28)    |
| Belgium                               | 2.21 (1.88 to 2.58)          | 0.04 (0.03 to 0.04)             | 2.37 (1.79 to 3.11)       | 0.04 (0.03 to 0.05)             | 0.36 (0.01 to 0.72)    | 0.80 (0.68 to 0.94)          | 0.01 (0.01 to 0.02)             | 0.52 (0.40 to 0.69)       | 0.01 (0.01 to 0.01)             | −1.15 (−1.53 to −0.77) |
| Belize                                | 0.11 (0.09 to 0.14)          | 0.04 (0.03 to 0.05)             | 0.05 (0.04 to 0.06)       | 0.01 (0.01 to 0.02)             | −3.60 (−3.82 to −3.38) | 0.08 (0.06 to 0.09)          | 0.03 (0.02 to 0.03)             | 0.03 (0.03 to 0.04)       | 0.01 (0.01 to 0.01)             | −3.74 (−3.97 to −3.52) |
| Benin                                 | 29.01 (18.23 to 44.95)       | 0.29 (0.18 to 0.44)             | 33.83 (18.93 to 54.91)    | 0.14 (0.08 to 0.23)             | −2.26 (−2.54 to −1.98) | 20.42 (12.85 to 31.93)       | 0.20 (0.13 to 0.31)             | 23.39 (13.15 to 37.81)    | 0.10 (0.06 to 0.16)             | −2.32 (−2.59 to −2.04) |
| Bermuda                               | 0.01 (0.00 to 0.01)          | 0.01 (0.01 to 0.02)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.02)             | 0.22 (−0.20 to 0.65)   | 0.00 (0.00 to 0.00)          | 0.01 (0.01 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −2.72 (−3.15 to −2.29) |
| Bhutan                                | 1.03 (0.42 to 1.89)          | 0.11 (0.04 to 0.20)             | 0.52 (0.25 to 0.92)       | 0.09 (0.04 to 0.15)             | −1.19 (−1.64 to −0.73) | 0.73 (0.30 to 1.34)          | 0.08 (0.03 to 0.14)             | 0.35 (0.17 to 0.61)       | 0.06 (0.03 to 0.10)             | −1.36 (−1.82 to −0.90) |
| Bolivia (Plurinational State of)      | 11.48 (5.73 to 18.28)        | 0.11 (0.06 to 0.18)             | 5.21 (3.26 to 8.54)       | 0.04 (0.03 to 0.07)             | −3.20 (−3.36 to −3.04) | 8.15 (4.07 to 12.99)         | 0.08 (0.04 to 0.13)             | 3.57 (2.26 to 5.80)       | 0.03 (0.02 to 0.05)             | −3.32 (−3.48 to −3.16) |
| Bosnia and Herzegovina                | 1.46 (1.04 to 1.99)          | 0.04 (0.03 to 0.06)             | 0.27 (0.18 to 0.37)       | 0.02 (0.01 to 0.02)             | −3.72 (−4.52 to −2.91) | 0.99 (0.71 to 1.34)          | 0.03 (0.02 to 0.04)             | 0.12 (0.09 to 0.17)       | 0.01 (0.01 to 0.01)             | −5.14 (−5.98 to −4.29) |
| Botswana                              | 0.44 (0.22 to 0.77)          | 0.02 (0.01 to 0.04)             | 0.86 (0.47 to 1.59)       | 0.04 (0.02 to 0.07)             | 1.97 (1.76 to 2.19)    | 0.31 (0.16 to 0.57)          | 0.01 (0.01 to 0.03)             | 0.60 (0.32 to 1.13)       | 0.03 (0.01 to 0.05)             | 1.86 (1.66 to 2.06)    |
| Brazil                                | 74.84 (64.33 to 88.37)       | 0.05 (0.04 to 0.05)             | 37.09 (28.71 to 45.90)    | 0.02 (0.02 to 0.03)             | −1.83 (−2.16 to −1.49) | 52.08 (44.88 to 61.61)       | 0.03 (0.03 to 0.04)             | 23.83 (18.36 to 29.43)    | 0.01 (0.01 to 0.02)             | −2.05 (−2.40 to −1.69) |
| Brunei Darussalam                     | 0.13 (0.08 to 0.19)          | 0.04 (0.02 to 0.06)             | 0.09 (0.06 to 0.14)       | 0.03 (0.02 to 0.05)             | −0.52 (−0.69 to −0.35) | 0.09 (0.06 to 0.13)          | 0.03 (0.02 to 0.04)             | 0.05 (0.04 to 0.08)       | 0.02 (0.01 to 0.03)             | −0.94 (−1.11 to −0.76) |
| Bulgaria                              | 3.77 (2.85 to 4.87)          | 0.07 (0.05 to 0.09)             | 0.49 (0.35 to 0.66)       | 0.02 (0.01 to 0.02)             | −4.81 (−5.20 to −4.41) | 2.42 (1.84 to 3.12)          | 0.04 (0.03 to 0.06)             | 0.26 (0.19 to 0.36)       | 0.01 (0.01 to 0.01)             | −5.38 (−5.72 to −5.03) |
| Burkina Faso                          | 60.68 (36.40 to 100.71)      | 0.31 (0.19 to 0.52)             | 85.44 (41.93 to 143.84)   | 0.20 (0.10 to 0.34)             | −1.24 (−1.45 to −1.03) | 42.65 (25.58 to 71.46)       | 0.22 (0.13 to 0.37)             | 59.29 (29.17 to 101.82)   | 0.14 (0.07 to 0.24)             | −1.28 (−1.49 to −1.07) |
| Burundi                               | 12.97 (7.02 to 23.86)        | 0.12 (0.07 to 0.23)             | 8.07 (3.23 to 18.66)      | 0.04 (0.02 to 0.09)             | −3.10 (−3.47 to −2.73) | 9.24 (5.04 to 16.88)         | 0.09 (0.05 to 0.16)             | 5.74 (2.31 to 12.92)      | 0.03 (0.01 to 0.06)             | −3.12 (−3.48 to −2.75) |
| Cabo Verde                            | 0.56 (0.26 to 0.87)          | 0.09 (0.04 to 0.15)             | 0.15 (0.09 to 0.24)       | 0.04 (0.02 to 0.06)             | −3.92 (−4.32 to −3.52) | 0.38 (0.18 to 0.59)          | 0.06 (0.03 to 0.10)             | 0.09 (0.06 to 0.15)       | 0.02 (0.01 to 0.04)             | −4.19 (−4.60 to −3.77) |
| Cambodia                              | 25.49 (13.06 to 44.78)       | 0.14 (0.07 to 0.25)             | 7.24 (3.86 to 13.89)      | 0.04 (0.02 to 0.08)             | −4.46 (−4.69 to −4.24) | 18.19 (9.58 to 31.66)        | 0.10 (0.05 to 0.18)             | 5.01 (2.61 to 9.48)       | 0.03 (0.01 to 0.05)             | −4.58 (−4.80 to −4.35) |
| Cameroon                              | 35.10 (18.08 to 56.22)       | 0.17 (0.09 to 0.28)             | 44.56 (17.12 to 87.36)    | 0.09 (0.04 to 0.18)             | −1.88 (−2.03 to −1.73) | 24.61 (12.68 to 39.11)       | 0.12 (0.06 to 0.19)             | 30.71 (11.75 to 60.59)    | 0.06 (0.02 to 0.12)             | −1.94 (−2.10 to −1.79) |
| Canada                                | 8.89 (7.88 to 10.02)         | 0.05 (0.04 to 0.05)             | 16.33 (13.16 to 20.12)    | 0.09 (0.07 to 0.11)             | 2.76 (2.38 to 3.14)    | 2.38 (2.12 to 2.66)          | 0.01 (0.01 to 0.01)             | 3.60 (2.94 to 4.38)       | 0.02 (0.02 to 0.02)             | 2.14 (1.77 to 2.50)    |
| Central African Republic              | 9.57 (5.11 to 15.67)         | 0.19 (0.10 to 0.32)             | 7.02 (3.50 to 12.90)      | 0.08 (0.04 to 0.15)             | −3.06 (−3.22 to −2.89) | 6.85 (3.69 to 11.09)         | 0.14 (0.07 to 0.23)             | 5.02 (2.47 to 9.01)       | 0.06 (0.03 to 0.11)             | −3.07 (−3.23 to −2.90) |
| Chad                                  | 23.00 (13.80 to 36.32)       | 0.18 (0.11 to 0.29)             | 47.85 (28.10 to 75.20)    | 0.13 (0.07 to 0.20)             | −1.07 (−1.27 to −0.87) | 16.23 (9.91 to 25.83)        | 0.13 (0.08 to 0.21)             | 33.48 (19.75 to 52.32)    | 0.09 (0.05 to 0.14)             | −1.10 (−1.30 to −0.90) |
| Chile                                 | 0.97 (0.76 to 1.26)          | 0.01 (0.01 to 0.01)             | 1.03 (0.79 to 1.34)       | 0.01 (0.01 to 0.01)             | 2.21 (1.80 to 2.62)    | 0.65 (0.51 to 0.85)          | 0.00 (0.00 to 0.01)             | 0.43 (0.33 to 0.55)       | 0.00 (0.00 to 0.00)             | 0.33 (−0.06 to 0.73)   |
| China                                 | 2269.12 (1880.63 to 2784.19) | 0.21 (0.17 to 0.25)             | 553.16 (390.85 to 783.37) | 0.08 (0.06 to 0.11)             | −3.90 (−4.38 to −3.42) | 1570.11 (1305.29 to 1924.38) | 0.14 (0.12 to 0.17)             | 215.77 (154.97 to 301.77) | 0.03 (0.02 to 0.04)             | −5.94 (−6.50 to −5.38) |
| Colombia                              | 22.03 (18.54 to 26.23)       | 0.05 (0.04 to 0.06)             | 10.30 (7.22 to 14.42)     | 0.03 (0.02 to 0.04)             | −1.14 (−1.64 to −0.64) | 15.28 (12.90 to 18.16)       | 0.04 (0.03 to 0.04)             | 5.98 (4.28 to 8.22)       | 0.02 (0.01 to 0.02)             | −1.74 (−2.23 to −1.25) |
| Comoros                               | 0.97 (0.52 to 1.54)          | 0.12 (0.06 to 0.19)             | 0.59 (0.34 to 1.02)       | 0.07 (0.04 to 0.13)             | −1.62 (−1.86 to −1.38) | 0.69 (0.37 to 1.09)          | 0.08 (0.04 to 0.13)             | 0.41 (0.24 to 0.71)       | 0.05 (0.03 to 0.09)             | −1.66 (−1.90 to −1.42) |
| Congo                                 | 6.64 (3.36 to 11.73)         | 0.17 (0.09 to 0.30)             | 3.02 (1.19 to 6.66)       | 0.05 (0.02 to 0.10)             | −4.56 (−4.80 to −4.32) | 4.70 (2.41 to 8.20)          | 0.12 (0.06 to 0.21)             | 2.12 (0.81 to 4.62)       | 0.03 (0.01 to 0.07)             | −4.61 (−4.86 to −4.37) |
| Cook Islands                          | 0.01 (0.00 to 0.01)          | 0.02 (0.01 to 0.04)             | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.02)             | −4.14 (−5.08 to −3.18) | 0.00 (0.00 to 0.01)          | 0.02 (0.01 to 0.03)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.01)             | −4.96 (−5.90 to −4.02) |
| Costa Rica                            | 2.61 (2.27 to 2.99)          | 0.07 (0.06 to 0.07)             | 1.32 (1.01 to 1.70)       | 0.04 (0.03 to 0.06)             | −1.39 (−1.89 to −0.88) | 1.66 (1.45 to 1.91)          | 0.04 (0.04 to 0.05)             | 0.69 (0.55 to 0.88)       | 0.02 (0.02 to 0.03)             | −2.07 (−2.38 to −1.61) |
| Côte d'Ivoire                         | 50.83 (28.44 to 83.91)       | 0.22 (0.12 to 0.36)             | 39.32 (23.47 to 64.75)    | 0.09 (0.05 to 0.15)             | −2.86 (−3.11 to −2.61) | 35.75 (19.96 to 59.31)       | 0.15 (0.09 to 0.25)             | 27.17 (16.28 to 45.84)    | 0.06 (0.04 to 0.11)             | −2.92 (−3.17 to −2.66) |
| Croatia                               | 0.82 (0.59 to 1.08)          | 0.03 (0.02 to 0.04)             | 0.22 (0.15 to 0.32)       | 0.01 (0.01 to 0.02)             | −1.99 (−2.64 to −1.34) | 0.44 (0.33 to 0.59)          | 0.01 (0.01 to 0.02)             | 0.06 (0.04 to 0.08)       | 0.00 (0.00 to 0.00)             | −4.73 (−5.35 to −4.11) |
| Cuba                                  | 1.27 (1.07 to 1.56)          | 0.01 (0.01 to 0.02)             | 0.51 (0.37 to 0.66)       | 0.01 (0.01 to 0.01)             | −1.86 (−2.37 to −1.34) | 0.82 (0.69 to 0.99)          | 0.01 (0.01 to 0.01)             | 0.25 (0.19 to 0.33)       | 0.00 (0.00 to 0.01)             | −2.67 (−3.17 to −2.17) |
| Cyprus                                | 0.17 (0.11 to 0.26)          | 0.03 (0.02 to 0.04)             | 0.16 (0.09 to 0.27)       | 0.02 (0.01 to 0.04)             | 0.00 (−0.41 to 0.42)   | 0.09 (0.06 to 0.14)          | 0.01 (0.01 to 0.02)             | 0.04 (0.02 to 0.06)       | 0.01 (0.00 to 0.01)             | −2.99 (−3.12 to −2.85) |
| Czechia                               | 2.13 (1.77 to 2.60)          | 0.03 (0.03 to 0.04)             | 0.53 (0.37 to 0.76)       | 0.01 (0.01 to 0.01)             | −4.16 (−4.67 to −3.64) | 1.25 (1.05 to 1.51)          | 0.02 (0.02 to 0.02)             | 0.15 (0.11 to 0.21)       | 0.00 (0.00 to 0.00)             | −6.45 (−6.89 to −6.02) |
| Democratic People's Republic of Korea | 35.11 (16.62 to 69.38)       | 0.15 (0.07 to 0.29)             | 6.25 (3.13 to 13.74)      | 0.04 (0.02 to 0.09)             | −4.01 (−4.31 to −3.71) | 23.99 (11.38 to 48.38)       | 0.10 (0.05 to 0.21)             | 4.02 (1.99 to 8.94)       | 0.03 (0.01 to 0.06)             | −4.22 (−4.54 to −3.91) |
| Democratic Republic of the Congo      | 67.39 (28.22 to 132.16)      | 0.09 (0.04 to 0.18)             | 37.39 (18.87 to 78.83)    | 0.03 (0.01 to 0.06)             | −3.62 (−3.85 to −3.38) | 47.94 (20.07 to 93.78)       | 0.07 (0.03 to 0.13)             | 26.48 (13.29 to 56.52)    | 0.02 (0.01 to 0.04)             | −3.64 (−3.87 to −3.40) |
| Denmark                               | 0.62 (0.54 to 0.71)          | 0.02 (0.02 to 0.02)             | 0.44 (0.34 to 0.55)       | 0.01 (0.01 to 0.02)             | −0.74 (−1.12 to −0.35) | 0.26 (0.23 to 0.29)          | 0.01 (0.01 to 0.01)             | 0.10 (0.08 to 0.12)       | 0.00 (0.00 to 0.00)             | −2.99 (−3.17 to −2.81) |
| Djibouti                              | 0.64 (0.37 to 1.17)          | 0.10 (0.06 to 0.18)             | 0.88 (0.40 to 1.77)       | 0.06 (0.03 to 0.12)             | −1.33 (−1.77 to −0.89) | 0.45 (0.26 to 0.85)          | 0.07 (0.04 to 0.13)             | 0.61 (0.28 to 1.23)       | 0.04 (0.02 to 0.09)             | −1.38 (−1.82 to −0.93) |
| Dominica                              | 0.01 (0.01 to 0.02)          | 0.01 (0.01 to 0.02)             | 0.01 (0.01 to 0.01)       | 0.03 (0.02 to 0.04)             | 2.60 (2.16 to 3.04)    | 0.01 (0.00 to 0.01)          | 0.01 (0.01 to 0.01)             | 0.01 (0.00 to 0.01)       | 0.02 (0.01 to 0.03)             | 2.52 (2.06 to 2.98)    |
| Dominican Republic                    | 3.63 (1.99 to 5.41)          | 0.04 (0.02 to 0.05)             | 1.87 (1.20 to 2.68)       | 0.02 (0.01 to 0.03)             | −1.98 (−2.27 to −1.70) | 2.54 (1.39 to 3.77)          | 0.03 (0.01 to 0.04)             | 1.26 (0.81 to 1.81)       | 0.01 (0.01 to 0.02)             | −2.10 (−2.40 to −1.80) |
| Ecuador                               | 9.82 (8.11 to 11.79)         | 0.07 (0.06 to 0.09)             | 3.48 (2.51 to 4.80)       | 0.02 (0.01 to 0.03)             | −4.51 (                |                              |                                 |                           |                                 |                        |

Table S2 (continued)

| Location                         | Incidence                  |                                 |                           |                                 |                        | Deaths                    |                                 |                           |                                 |                        |
|----------------------------------|----------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|
|                                  | Number of cases, 1990      | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990     | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Haiti                            | 4.36 (1.61 to 8.77)        | 0.04 (0.02 to 0.08)             | 3.75 (1.86 to 7.03)       | 0.02 (0.01 to 0.04)             | −1.51 (−1.71 to −1.31) | 3.13 (1.16 to 6.23)       | 0.03 (0.01 to 0.06)             | 2.67 (1.33 to 5.04)       | 0.02 (0.01 to 0.03)             | −1.55 (−1.74 to −1.35) |
| Honduras                         | 4.54 (3.12 to 6.57)        | 0.06 (0.04 to 0.08)             | 2.19 (1.25 to 3.68)       | 0.02 (0.01 to 0.03)             | −3.54 (−3.76 to −3.31) | 3.25 (2.22 to 4.68)       | 0.04 (0.03 to 0.06)             | 1.53 (0.88 to 2.56)       | 0.01 (0.01 to 0.02)             | −3.63 (−3.86 to −3.40) |
| Hungary                          | 1.41 (1.15 to 1.73)        | 0.02 (0.02 to 0.03)             | 0.48 (0.35 to 0.64)       | 0.01 (0.01 to 0.01)             | −2.38 (−2.91 to −1.85) | 0.89 (0.72 to 1.09)       | 0.01 (0.01 to 0.02)             | 0.16 (0.12 to 0.20)       | 0.00 (0.00 to 0.00)             | −4.54 (−5.11 to −3.98) |
| Iceland                          | 0.07 (0.06 to 0.09)        | 0.03 (0.03 to 0.04)             | 0.08 (0.06 to 0.10)       | 0.03 (0.03 to 0.05)             | −0.36 (−0.61 to −0.12) | 0.02 (0.02 to 0.02)       | 0.01 (0.01 to 0.01)             | 0.02 (0.01 to 0.02)       | 0.01 (0.01 to 0.01)             | −0.91 (−1.11 to −0.70) |
| India                            | 752.23 (475.40 to 1017.49) | 0.06 (0.04 to 0.09)             | 403.16 (290.37 to 553.83) | 0.04 (0.03 to 0.05)             | −1.95 (−2.03 to −1.87) | 533.03 (334.98 to 719.18) | 0.05 (0.03 to 0.06)             | 274.13 (198.33 to 379.29) | 0.02 (0.02 to 0.03)             | −2.10 (−2.19 to −2.01) |
| Indonesia                        | 117.53 (38.81 to 198.18)   | 0.05 (0.02 to 0.09)             | 67.96 (30.85 to 119.08)   | 0.03 (0.01 to 0.05)             | −1.59 (−1.74 to −1.44) | 83.24 (27.64 to 140.73)   | 0.04 (0.01 to 0.06)             | 46.46 (21.39 to 80.91)    | 0.02 (0.01 to 0.04)             | −1.70 (−1.84 to −1.56) |
| Iran (Islamic Republic of)       | 78.87 (58.80 to 101.34)    | 0.09 (0.07 to 0.12)             | 27.75 (18.83 to 44.79)    | 0.04 (0.03 to 0.07)             | −2.14 (−2.64 to −1.64) | 54.32 (40.62 to 69.40)    | 0.06 (0.05 to 0.08)             | 15.08 (10.50 to 24.11)    | 0.02 (0.02 to 0.04)             | −2.95 (−3.44 to −2.45) |
| Iraq                             | 24.72 (16.08 to 34.11)     | 0.08 (0.05 to 0.11)             | 16.47 (10.30 to 26.29)    | 0.04 (0.02 to 0.06)             | −1.93 (−2.16 to −1.71) | 17.22 (11.36 to 23.86)    | 0.06 (0.04 to 0.08)             | 9.95 (6.15 to 15.96)      | 0.02 (0.01 to 0.04)             | −2.39 (−2.62 to −2.16) |
| Ireland                          | 0.62 (0.53 to 0.72)        | 0.02 (0.02 to 0.03)             | 0.71 (0.55 to 0.89)       | 0.02 (0.02 to 0.03)             | 0.57 (0.06 to 1.07)    | 0.25 (0.22 to 0.30)       | 0.01 (0.01 to 0.01)             | 0.17 (0.13 to 0.20)       | 0.01 (0.00 to 0.01)             | −1.41 (−1.70 to −1.11) |
| Israel                           | 1.35 (1.15 to 1.56)        | 0.03 (0.02 to 0.03)             | 2.40 (1.87 to 2.99)       | 0.03 (0.02 to 0.03)             | 0.74 (0.31 to 1.18)    | 0.67 (0.58 to 0.78)       | 0.01 (0.01 to 0.02)             | 0.55 (0.43 to 0.68)       | 0.01 (0.00 to 0.01)             | −1.94 (−2.18 to −1.70) |
| Italy                            | 21.35 (20.14 to 22.73)     | 0.08 (0.07 to 0.08)             | 8.73 (7.00 to 10.49)      | 0.04 (0.03 to 0.05)             | −2.63 (−3.12 to −2.13) | 7.38 (6.99 to 7.80)       | 0.03 (0.03 to 0.03)             | 1.91 (1.57 to 2.27)       | 0.01 (0.01 to 0.01)             | −3.85 (−4.31 to −3.39) |
| Jamaica                          | 0.47 (0.34 to 0.62)        | 0.02 (0.01 to 0.02)             | 0.17 (0.12 to 0.23)       | 0.01 (0.01 to 0.01)             | −1.66 (−1.93 to −1.38) | 0.32 (0.23 to 0.41)       | 0.01 (0.01 to 0.01)             | 0.11 (0.08 to 0.15)       | 0.01 (0.00 to 0.01)             | −1.90 (−2.19 to −1.61) |
| Japan                            | 58.49 (56.24 to 61.33)     | 0.09 (0.09 to 0.09)             | 26.56 (23.38 to 29.46)    | 0.06 (0.05 to 0.07)             | −2.06 (−2.80 to −1.31) | 19.54 (18.82 to 20.45)    | 0.03 (0.03 to 0.03)             | 5.85 (5.23 to 6.43)       | 0.01 (0.01 to 0.01)             | −3.25 (−3.78 to −2.72) |
| Jordan                           | 1.57 (0.97 to 2.66)        | 0.03 (0.02 to 0.04)             | 1.97 (1.31 to 3.08)       | 0.02 (0.01 to 0.03)             | −1.41 (−1.75 to −1.07) | 1.07 (0.66 to 1.79)       | 0.02 (0.01 to 0.03)             | 1.04 (0.70 to 1.63)       | 0.01 (0.01 to 0.01)             | −2.52 (−2.87 to −2.17) |
| Kazakhstan                       | 16.05 (14.03 to 18.32)     | 0.09 (0.08 to 0.10)             | 4.80 (3.70 to 6.09)       | 0.02 (0.02 to 0.03)             | −4.51 (−4.81 to −4.22) | 10.93 (9.57 to 12.46)     | 0.06 (0.05 to 0.07)             | 2.88 (2.22 to 3.64)       | 0.01 (0.01 to 0.02)             | −4.97 (−5.29 to −4.66) |
| Kenya                            | 34.90 (21.10 to 48.24)     | 0.08 (0.05 to 0.11)             | 29.75 (21.22 to 42.18)    | 0.05 (0.04 to 0.07)             | −1.03 (−1.35 to −0.71) | 24.41 (14.73 to 33.74)    | 0.06 (0.03 to 0.08)             | 20.63 (14.72 to 29.42)    | 0.03 (0.02 to 0.05)             | −1.05 (−1.37 to −0.73) |
| Kiribati                         | 0.06 (0.03 to 0.10)        | 0.05 (0.03 to 0.09)             | 0.04 (0.02 to 0.08)       | 0.02 (0.01 to 0.06)             | −2.95 (−3.42 to −2.48) | 0.04 (0.02 to 0.07)       | 0.04 (0.02 to 0.06)             | 0.02 (0.01 to 0.06)       | 0.02 (0.01 to 0.04)             | −2.96 (−3.43 to −2.49) |
| Kuwait                           | 1.30 (1.06 to 1.59)        | 0.07 (0.05 to 0.08)             | 0.31 (0.23 to 0.40)       | 0.01 (0.01 to 0.01)             | −2.84 (−4.24 to −1.42) | 0.74 (0.60 to 0.91)       | 0.04 (0.03 to 0.05)             | 0.10 (0.08 to 0.13)       | 0.00 (0.00 to 0.00)             | −5.22 (−6.47 to −3.95) |
| Kyrgyzstan                       | 8.67 (6.29 to 11.93)       | 0.14 (0.10 to 0.19)             | 0.95 (0.71 to 1.27)       | 0.01 (0.01 to 0.02)             | −6.19 (−7.46 to −4.89) | 5.88 (4.28 to 8.00)       | 0.09 (0.07 to 0.13)             | 0.61 (0.45 to 0.80)       | 0.01 (0.01 to 0.01)             | −6.42 (−7.66 to −5.17) |
| Lao People's Democratic Republic | 11.33 (3.41 to 19.57)      | 0.16 (0.05 to 0.28)             | 4.40 (2.65 to 6.77)       | 0.05 (0.03 to 0.08)             | −3.74 (−3.85 to −3.64) | 8.13 (2.45 to 14.06)      | 0.12 (0.04 to 0.20)             | 3.08 (1.87 to 4.68)       | 0.04 (0.02 to 0.06)             | −3.83 (−3.94 to −3.72) |
| Latvia                           | 0.56 (0.47 to 0.65)        | 0.03 (0.02 to 0.03)             | 0.46 (0.35 to 0.62)       | 0.05 (0.04 to 0.07)             | 1.40 (0.80 to 2.01)    | 0.34 (0.29 to 0.40)       | 0.02 (0.01 to 0.02)             | 0.20 (0.15 to 0.26)       | 0.02 (0.02 to 0.03)             | 0.31 (−0.35 to 0.97)   |
| Lebanon                          | 1.61 (1.06 to 2.40)        | 0.04 (0.03 to 0.06)             | 0.92 (0.47 to 1.83)       | 0.02 (0.01 to 0.05)             | −2.35 (−2.61 to −2.09) | 1.07 (0.69 to 1.60)       | 0.03 (0.02 to 0.04)             | 0.38 (0.20 to 0.74)       | 0.01 (0.00 to 0.02)             | −4.06 (−4.39 to −3.72) |
| Lesotho                          | 0.58 (0.23 to 1.16)        | 0.02 (0.01 to 0.05)             | 0.86 (0.33 to 2.36)       | 0.04 (0.02 to 0.11)             | 1.67 (1.22 to 2.11)    | 0.42 (0.17 to 0.85)       | 0.02 (0.01 to 0.03)             | 0.62 (0.24 to 1.78)       | 0.03 (0.01 to 0.09)             | 1.71 (1.26 to 2.17)    |
| Liberia                          | 17.78 (6.75 to 29.77)      | 0.37 (0.14 to 0.62)             | 8.80 (4.49 to 14.82)      | 0.11 (0.06 to 0.19)             | −4.44 (−4.98 to −3.89) | 12.53 (4.76 to 21.03)     | 0.26 (0.10 to 0.44)             | 6.03 (3.10 to 10.13)      | 0.08 (0.04 to 0.13)             | −4.53 (−5.08 to −3.98) |
| Libya                            | 6.13 (4.09 to 8.68)        | 0.10 (0.07 to 0.14)             | 6.45 (3.57 to 9.71)       | 0.15 (0.08 to 0.23)             | 2.22 (1.73 to 2.71)    | 4.13 (2.76 to 5.89)       | 0.07 (0.04 to 0.09)             | 3.69 (2.08 to 5.51)       | 0.09 (0.05 to 0.13)             | 1.57 (1.09 to 2.05)    |
| Lithuania                        | 0.65 (0.57 to 0.75)        | 0.02 (0.02 to 0.03)             | 0.58 (0.45 to 0.75)       | 0.02 (0.02 to 0.02)             | 1.27 (0.58 to 1.96)    | 0.39 (0.34 to 0.45)       | 0.01 (0.01 to 0.02)             | 0.27 (0.21 to 0.35)       | 0.02 (0.02 to 0.03)             | 0.49 (−0.17 to 1.16)   |
| Luxembourg                       | 0.08 (0.07 to 0.09)        | 0.04 (0.03 to 0.04)             | 0.13 (0.11 to 0.17)       | 0.04 (0.03 to 0.05)             | 0.52 (0.09 to 0.95)    | 0.04 (0.03 to 0.04)       | 0.02 (0.01 to 0.02)             | 0.03 (0.02 to 0.03)       | 0.01 (0.01 to 0.01)             | −1.67 (−2.17 to −1.17) |
| Madagascar                       | 21.27 (12.83 to 33.76)     | 0.10 (0.06 to 0.16)             | 15.77 (7.86 to 30.50)     | 0.04 (0.02 to 0.07)             | −2.69 (−2.90 to −2.47) | 15.07 (9.16 to 24.09)     | 0.07 (0.04 to 0.11)             | 11.10 (5.55 to 21.72)     | 0.03 (0.01 to 0.05)             | −2.72 (−2.94 to −2.50) |
| Malawi                           | 67.66 (42.12 to 100.99)    | 0.36 (0.22 to 0.54)             | 38.82 (16.92 to 89.41)    | 0.14 (0.06 to 0.33)             | −3.30 (−3.73 to −2.87) | 47.69 (29.94 to 70.20)    | 0.25 (0.16 to 0.38)             | 27.14 (11.79 to 62.43)    | 0.10 (0.04 to 0.23)             | −3.33 (−3.77 to −2.90) |
| Malaysia                         | 7.38 (4.35 to 11.73)       | 0.03 (0.02 to 0.05)             | 5.44 (3.54 to 7.89)       | 0.02 (0.01 to 0.03)             | −0.91 (−1.42 to −0.39) | 5.13 (3.01 to 8.22)       | 0.02 (0.01 to 0.03)             | 3.39 (2.18 to 4.92)       | 0.01 (0.01 to 0.02)             | −1.30 (−1.79 to −0.81) |
| Maldives                         | 0.21 (0.07 to 0.37)        | 0.05 (0.02 to 0.09)             | 0.07 (0.04 to 0.11)       | 0.02 (0.01 to 0.04)             | −2.28 (−2.61 to −1.96) | 0.15 (0.05 to 0.26)       | 0.04 (0.01 to 0.06)             | 0.04 (0.02 to 0.06)       | 0.01 (0.01 to 0.02)             | −3.15 (−3.43 to −2.87) |
| Mali                             | 100.79 (46.25 to 153.20)   | 0.56 (0.25 to 0.87)             | 169.49 (98.68 to 252.53)  | 0.36 (0.21 to 0.54)             | −1.34 (−1.51 to −1.16) | 70.97 (32.27 to 107.11)   | 0.40 (0.17 to 0.60)             | 117.60 (69.19 to 176.66)  | 0.25 (0.15 to 0.38)             | −1.38 (−1.56 to −1.21) |
| Malta                            | 0.05 (0.04 to 0.06)        | 0.02 (0.01 to 0.02)             | 0.08 (0.06 to 0.10)       | 0.04 (0.03 to 0.05)             | 2.58 (2.30 to 2.87)    | 0.02 (0.02 to 0.03)       | 0.01 (0.01 to 0.01)             | 0.02 (0.01 to 0.02)       | 0.01 (0.01 to 0.01)             | 0.33 (0.08 to 0.59)    |
| Marshall Islands                 | 0.01 (0.00 to 0.01)        | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | 0.04 (−0.51 to 0.59)   | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.01)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.01)             | 0.00 (−0.55 to 0.55)   |
| Mauritania                       | 9.41 (2.51 to 22.00)       | 0.25 (0.07 to 0.57)             | 7.38 (3.58 to 12.01)      | 0.11 (0.05 to 0.18)             | −2.87 (−3.35 to −2.39) | 6.62 (1.77 to 15.32)      | 0.18 (0.05 to 0.40)             | 4.94 (2.43 to 8.03)       | 0.08 (0.04 to 0.12)             | −3.02 (−3.50 to −2.53) |
| Mauritius                        | 0.24 (0.22 to 0.27)        | 0.02 (0.02 to 0.02)             | 0.01 (0.01 to 0.02)       | 0.00 (0.00 to 0.00)             | −1.75 (−3.74 to 0.29)  | 0.16 (0.15 to 0.18)       | 0.01 (0.01 to 0.02)             | 0.01 (0.01 to 0.01)       | 0.00 (0.00 to 0.00)             | −2.07 (−4.05 to −0.04) |
| Mexico                           | 87.22 (78.64 to 98.48)     | 0.07 (0.07 to 0.08)             | 46.17 (34.59 to 61.90)    | 0.05 (0.03 to 0.06)             | −1.19 (−1.45 to −0.93) | 60.64 (54.70 to 68.38)    | 0.05 (0.05 to 0.06)             | 29.67 (22.42 to 39.42)    | 0.03 (0.02 to 0.04)             | −1.45 (−1.70 to −1.19) |
| Micronesia (Federated States of) | 0.03 (0.01 to 0.05)        | 0.02 (0.01 to 0.03)             | 0.01 (0.00 to 0.02)       | 0.01 (0.00 to 0.02)             | −2.26 (−2.61 to −1.92) | 0.02 (0.01 to 0.03)       | 0.01 (0.01 to 0.02)             | 0.01 (0.00 to 0.01)       | 0.01 (0.00 to 0.01)             | −2.35 (−2.69 to −2.00) |
| Monaco                           | 0.01 (0.01 to 0.02)        | 0.10 (0.05 to 0.16)             | 0.01 (0.01 to 0.01)       | 0.06 (0.04 to 0.09)             | −1.73 (−2.04 to −1.41) | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.04)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.02)             | −2.36 (−2.59 to −2.12) |
| Mongolia                         | 41.84 (25.23 to 65.63)     | 1.25 (0.76 to 1.97)             | 10.44 (6.55 to 15.75)     | 0.27 (0.17 to 0.40)             | −4.91 (−5.31 to −4.50) | 29.46 (17.81 to 45.86)    | 0.88 (0.54 to 1.37)             | 7.08 (4.47 to 10.66)      | 0.18 (0.11 to 0.27)             | −5.05 (−5.47 to −4.64) |
| Montenegro                       | 0.38 (0.25 to 0.55)        | 0.07 (0.05 to 0.10)             | 0.12 (0.07 to 0.20)       | 0.03 (0.02 to 0.06)             | −1.67 (−2.00 to −1.34) | 0.19 (0.13 to 0.26)       | 0.04 (0.02 to 0.05)             | 0.04 (0.02 to 0.06)       | 0.01 (0.01 to 0.02)             | −3.59 (−3.87 to −3.31) |
| Morocco                          | 4.93 (3.08 to 7.53)        | 0.01 (0.01 to 0.02)             | 2.12 (1.15 to 3.79)       | 0.01 (0.00 to 0.01)             | −2.09 (−2.23 to −1.96) | 3.43 (2.16 to 5.30)       | 0.01 (0.01 to 0.01)             | 1.40 (0.75 to 2.51)       | 0.00 (0.00 to 0.01)             | −2.27 (−2.41 to −2.13) |
| Mozambique                       | 33.91 (18.69 to 52.19)     | 0.14 (0.08 to 0.22)             | 26.78 (10.89 to 69.68)    | 0.05 (0.02 to 0.14)             | −3.26 (−3.44 to −3.08) | 24.07 (13.49 to 36.65)    | 0.10 (0.06 to 0.15)             | 19.07 (7.73 to 50.01)     | 0.04 (0.02 to 0.10)             | −3.25 (−3.43 to −3.07) |
| Myanmar                          | 38.11 (6.82 to 81.73)      | 0.08 (0.01 to 0.16)             | 18.76 (7.13 to 37.20)     | 0.04 (0.01 to 0.07)             | −2.61 (−2.77 to −2.45) | 27.12 (4.89 to 57.26)     | 0.05 (0.01 to 0.11)             | 12.93 (4.97 to 25.39)     | 0.02 (0.01 to 0.05)             | −2.72 (−2.89 to −2.55) |
| Namibia                          | 0.84 (0.47 to 1.32)        | 0.04 (0.02 to 0.06)             | 1.36 (0.84 to 2.12)       | 0.05 (0.03 to 0.08)             | 1.35 (1.07 to 1.63)    | 0.59 (0.33 to 0.92)       | 0.03 (0.01 to 0.04)             | 0.93 (0.58 to 1.44)       | 0.03 (0.02 to 0.05)             | 1.24 (0.96 to 1.53)    |
| Nauru                            | 0.01 (0.00 to 0.01)        | 0.03 (0.02 to 0.06)             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.05)             | −1.12 (−1.56 to −0.67) | 0.00 (0.00 to 0.01)       | 0.02 (0.01 to 0.04)             | 0.00 (0.00 to 0.00)       | 0.02 (0.01 to 0.03)             | −1.16 (−1.61 to −0.70) |
| Nepal                            | 22.89 (8.11 to 38.10)      | 0.07 (0.02 to 0.12)             | 11.86 (7.24 to 17.46)     | 0.04 (0.02 to 0.06)             | −1.50 (−1.70 to −1.30) | 16.19 (5.69 to 26.84)     | 0.05 (0.02 to 0.08)             | 8.12 (4.92 to 12.02)      | 0.03 (0.02 to 0.04)             | −1.62 (−1.81 to −1.42) |
| Netherlands                      | 2.53 (2.22 to 2.86)        | 0.03 (0.02 to 0.03)             | 2.16 (1.79 to 2.59)       | 0.02 (0.02 to 0.03)             | −0.30 (−0.53 to −0.07) | 0.72 (0.64 to 0.81)       | 0.01 (0.01 to 0.01)             | 0.46 (0.39 to 0.55)       | 0.01 (0.00 to 0.01)             | −1.29 (−1.52 to −1.07) |
| New Zealand                      | 1.08 (0.90 to 1.30)        | 0.04 (0.03 to 0.05)             | 1.70 (1.31 to 2.19)       | 0.05 (0.04 to 0.07)             | 1.83 (1.47 to 2.19)    | 0.49 (0.40 to 0.59)       | 0.02 (0.01 to 0.02)             | 0.52 (0.40 to 0.71)       | 0.02 (0.01 to 0.02)             | 0.51 (0.20 to 0.82)    |
| Nicaragua                        | 7.90 (6.08 to 10.25)       | 0.12 (0.09 to 0.16)             | 2.09 (1.36 to 3.17)       | 0.03 (0.02 to 0.05)             | −4.10 (−4.44 to −3.75) | 5.49 (4.20 to 7.16)       | 0.08 (0.06 to 0.11)             | 1.37 (0.90 to 2.04)       | 0.02 (0.01 to 0.03)             | −4.30 (−4.64 to −3.97) |
| Niger                            | 53.22 (32.68 to 83.92)     | 0.31 (0.18 to 0.49)             | 42.54 (25.44 to 70.18)    | 0.08 (0.05 to 0.13)             | −4.40 (−4.66 to −4.14) | 37.71 (23.20 to 59.22)    | 0.22 (0.13 to 0.34)             | 29.69 (17.76 to 48.51)    | 0.06 (0.03 to 0.09)             | −4.46 (−4.72 to −4.19) |
| Nigeria                          | 162.53 (101.81 to 221.31)  | 0.10 (0.06 to 0.13)             | 220.22 (141.97 to 298.12) | 0.06 (0.04 to 0.08)             | −1.72 (−1.88 to −1.57) | 114.43 (71.55 to 155.39)  | 0.07 (0.04 to 0.09)             | 152.19 (98.51 to 206.87)  | 0.04 (0.03 to 0.06)             | −1.79 (−1.95 to −1.63) |
| Niue                             | 0.00 (0.00 to 0.00)        | 0.02 (0.01 to 0.05)             | 0.00 (0.00 to 0.00)       | 0.03 (0.02 to 0.07)             | 1.00 (0.57 to 1.43)    | 0.00 (0.00 to 0.00)       | 0.02 (0.01 to 0.03)             | 0.00 (0.00 to 0.00)       | 0.02 (0.01 to 0.05)             | 0.79 (0.35 to 1.23)    |
| North Macedonia                  | 2.53 (1.74 to 3.25)        | 0.15 (0.10 to 0.19)             | 0.25 (0.16 to 0.38)       | 0.02 (0.02 to 0.04)             | −5.03 (−5.84 to −4.22) | 1.67 (1.16 to 2.12)       | 0.10 (0.07 to 0.13)             | 0.12 (0.08 to 0.19)       | 0.01 (0.01 to 0.02)             | −6.24 (−7.01 to −5.46) |
| Northern Mariana Islands         | 0.00 (0.00 to 0.00)        | 0.01 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.01)             | 1.24 (0.59 to 1.89)    | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.01)             | 1.07 (0.45 to 1.7      |

| Table S2 <i>(continued)</i>        |                           |                                 |                           |                                 |                        |                           |                                 |                         |                                 |                         |
|------------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|---------------------------|---------------------------------|-------------------------|---------------------------------|-------------------------|
| Location                           | Incidence                 |                                 |                           |                                 |                        | Deaths                    |                                 |                         |                                 |                         |
|                                    | Number of cases, 1990     | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990     | ASR per 100000 population, 1990 | Number of cases, 2021   | ASR per 100000 population, 2021 | EAPC, 1990–2021         |
| Sao Tome and Principe              | 0.17 (0.11 to 0.25)       | 0.08 (0.05 to 0.12)             | 0.03 (0.01 to 0.09)       | 0.01 (0.01 to 0.04)             | −5.47 (−5.94 to −4.99) | 0.12 (0.07 to 0.17)       | 0.06 (0.04 to 0.08)             | 0.02 (0.01 to 0.05)     | 0.01 (0.00 to 0.02)             | −5.61 (−6.08 to −5.13)  |
| Saudi Arabia                       | 18.32 (11.39 to 31.50)    | 0.08 (0.05 to 0.13)             | 4.91 (2.96 to 8.37)       | 0.02 (0.01 to 0.03)             | −4.58 (−4.84 to −4.31) | 12.62 (7.76 to 22.06)     | 0.05 (0.03 to 0.09)             | 2.51 (1.52 to 4.25)     | 0.01 (0.01 to 0.02)             | −5.53 (−5.73 to −5.34)  |
| Senegal                            | 22.65 (13.32 to 33.51)    | 0.15 (0.09 to 0.23)             | 11.89 (7.80 to 17.19)     | 0.05 (0.03 to 0.08)             | −3.43 (−3.78 to −3.07) | 15.89 (9.50 to 23.87)     | 0.11 (0.06 to 0.16)             | 8.18 (5.44 to 11.93)    | 0.04 (0.02 to 0.05)             | −3.49 (−3.84 to −3.14)  |
| Serbia                             | 4.05 (2.06 to 6.97)       | 0.06 (0.03 to 0.10)             | 0.60 (0.30 to 1.10)       | 0.02 (0.01 to 0.03)             | −4.43 (−4.93 to −3.92) | 2.61 (1.35 to 4.42)       | 0.04 (0.02 to 0.06)             | 0.24 (0.12 to 0.43)     | 0.01 (0.00 to 0.01)             | −6.30 (−6.79 to −5.80)  |
| Seychelles                         | 0.02 (0.01 to 0.03)       | 0.02 (0.02 to 0.03)             | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.01)             | −1.30 (−1.98 to −0.61) | 0.01 (0.01 to 0.02)       | 0.02 (0.01 to 0.02)             | 0.01 (0.00 to 0.01)     | 0.01 (0.00 to 0.01)             | −1.62 (−2.30 to −0.93)  |
| Sierra Leone                       | 28.94 (15.19 to 43.35)    | 0.35 (0.18 to 0.54)             | 15.86 (8.83 to 24.40)     | 0.12 (0.06 to 0.18)             | −4.03 (−4.40 to −3.65) | 20.30 (10.73 to 30.55)    | 0.25 (0.13 to 0.38)             | 10.95 (6.10 to 16.73)   | 0.08 (0.04 to 0.12)             | −4.08 (−4.45 to −3.70)  |
| Singapore                          | 1.17 (0.98 to 1.41)       | 0.06 (0.05 to 0.07)             | 0.71 (0.56 to 0.90)       | 0.02 (0.02 to 0.03)             | −1.66 (−2.80 to −0.52) | 0.66 (0.55 to 0.79)       | 0.03 (0.03 to 0.04)             | 0.17 (0.13 to 0.21)     | 0.01 (0.00 to 0.01)             | −4.79 (−5.57 to −4.00)  |
| Slovakia                           | 1.47 (0.96 to 2.23)       | 0.04 (0.02 to 0.05)             | 0.68 (0.39 to 1.20)       | 0.02 (0.01 to 0.04)             | −1.49 (−1.77 to −1.21) | 0.92 (0.59 to 1.39)       | 0.02 (0.01 to 0.03)             | 0.23 (0.13 to 0.42)     | 0.01 (0.00 to 0.01)             | −3.60 (−3.79 to −3.41)  |
| Slovenia                           | 0.47 (0.40 to 0.55)       | 0.04 (0.03 to 0.04)             | 0.13 (0.10 to 0.18)       | 0.01 (0.01 to 0.02)             | −2.75 (−3.21 to −2.30) | 0.24 (0.21 to 0.28)       | 0.02 (0.02 to 0.02)             | 0.03 (0.03 to 0.05)     | 0.00 (0.00 to 0.00)             | −5.38 (−5.70 to −5.05)  |
| Solomon Islands                    | 0.13 (0.05 to 0.30)       | 0.02 (0.01 to 0.05)             | 0.12 (0.06 to 0.29)       | 0.01 (0.01 to 0.03)             | −1.68 (−2.10 to −1.26) | 0.09 (0.03 to 0.22)       | 0.02 (0.01 to 0.04)             | 0.09 (0.04 to 0.20)     | 0.01 (0.00 to 0.02)             | −1.73 (−2.14 to −1.31)  |
| Somalia                            | 25.72 (13.33 to 43.45)    | 0.17 (0.09 to 0.29)             | 36.79 (14.15 to 74.62)    | 0.09 (0.03 to 0.18)             | −1.79 (−2.22 to −1.35) | 18.28 (9.46 to 31.03)     | 0.12 (0.06 to 0.21)             | 26.02 (10.22 to 52.55)  | 0.06 (0.02 to 0.13)             | −1.80 (−2.24 to −1.37)  |
| South Africa                       | 16.35 (10.75 to 21.99)    | 0.03 (0.02 to 0.05)             | 15.11 (10.86 to 19.75)    | 0.03 (0.02 to 0.04)             | −0.66 (−0.88 to −0.43) | 11.46 (7.51 to 15.42)     | 0.02 (0.02 to 0.03)             | 10.43 (7.57 to 13.66)   | 0.02 (0.02 to 0.03)             | −0.76 (−0.99 to −0.52)  |
| South Sudan                        | 17.64 (7.35 to 29.99)     | 0.17 (0.07 to 0.30)             | 28.74 (11.77 to 47.55)    | 0.18 (0.07 to 0.31)             | 0.55 (−0.18 to 1.30)   | 12.40 (5.11 to 20.81)     | 0.12 (0.05 to 0.21)             | 19.98 (8.24 to 32.84)   | 0.13 (0.05 to 0.21)             | 0.51 (−0.21 to 1.25)    |
| Spain                              | 13.33 (11.67 to 15.26)    | 0.06 (0.06 to 0.07)             | 12.53 (10.30 to 15.27)    | 0.07 (0.06 to 0.08)             | 0.07 (−0.28 to 0.42)   | 5.26 (4.57 to 6.04)       | 0.02 (0.02 to 0.03)             | 2.80 (2.29 to 3.38)     | 0.01 (0.01 to 0.02)             | −1.49 (−1.61 to −1.37)  |
| Sri Lanka                          | 1.97 (1.43 to 2.61)       | 0.01 (0.01 to 0.01)             | 0.89 (0.56 to 1.46)       | 0.01 (0.00 to 0.01)             | −2.38 (−2.80 to −1.96) | 1.38 (0.99 to 1.85)       | 0.01 (0.01 to 0.01)             | 0.51 (0.33 to 0.83)     | 0.00 (0.00 to 0.01)             | −3.11 (−3.58 to −2.64)  |
| Sudan                              | 55.96 (28.88 to 92.74)    | 0.16 (0.08 to 0.27)             | 45.89 (28.13 to 73.76)    | 0.08 (0.05 to 0.13)             | −1.74 (−1.91 to −1.57) | 39.44 (20.37 to 65.06)    | 0.11 (0.06 to 0.19)             | 31.08 (19.41 to 49.56)  | 0.06 (0.03 to 0.09)             | −1.88 (−2.05 to −1.70)  |
| Suriname                           | 0.11 (0.07 to 0.16)       | 0.02 (0.02 to 0.04)             | 0.09 (0.05 to 0.13)       | 0.02 (0.01 to 0.03)             | −1.20 (−1.43 to −0.97) | 0.08 (0.05 to 0.11)       | 0.02 (0.01 to 0.03)             | 0.06 (0.04 to 0.09)     | 0.01 (0.01 to 0.02)             | −1.29 (−1.53 to −1.05)  |
| Sweden                             | 3.22 (2.76 to 3.81)       | 0.06 (0.05 to 0.07)             | 2.34 (1.81 to 3.03)       | 0.04 (0.03 to 0.05)             | −0.23 (−1.14 to 0.69)  | 0.92 (0.79 to 1.06)       | 0.02 (0.01 to 0.02)             | 0.51 (0.40 to 0.65)     | 0.01 (0.01 to 0.01)             | −1.03 (−2.05 to −0.00)  |
| Switzerland                        | 3.33 (2.82 to 3.92)       | 0.08 (0.07 to 0.10)             | 1.45 (1.15 to 1.82)       | 0.03 (0.03 to 0.04)             | −2.97 (−3.15 to −2.78) | 0.88 (0.75 to 1.01)       | 0.02 (0.02 to 0.03)             | 0.32 (0.26 to 0.40)     | 0.01 (0.01 to 0.01)             | −3.42 (−3.66 to −3.18)  |
| Syrian Arab Republic               | 18.68 (12.02 to 25.16)    | 0.09 (0.06 to 0.12)             | 4.93 (2.37 to 7.55)       | 0.05 (0.02 to 0.07)             | −1.71 (−2.80 to −0.61) | 13.10 (8.46 to 17.64)     | 0.06 (0.04 to 0.08)             | 2.84 (1.42 to 4.33)     | 0.03 (0.01 to 0.04)             | −2.44 (−3.46 to −1.39)  |
| Taiwan (Province of China)         | 10.98 (9.73 to 12.47)     | 0.06 (0.06 to 0.07)             | 6.38 (5.21 to 7.72)       | 0.07 (0.06 to 0.09)             | 2.49 (1.13 to 3.86)    | 6.69 (5.92 to 7.60)       | 0.04 (0.03 to 0.04)             | 1.82 (1.52 to 2.17)     | 0.02 (0.02 to 0.02)             | −0.49 (−1.59 to 0.62)   |
| Tajikistan                         | 8.26 (3.49 to 13.63)      | 0.09 (0.04 to 0.15)             | 5.93 (3.25 to 10.30)      | 0.04 (0.02 to 0.08)             | −2.58 (−2.92 to −2.25) | 5.71 (2.40 to 9.39)       | 0.06 (0.03 to 0.10)             | 4.04 (2.19 to 7.02)     | 0.03 (0.02 to 0.05)             | −2.66 (−2.99 to −2.34)  |
| Thailand                           | 97.11 (70.20 to 131.28)   | 0.18 (0.13 to 0.25)             | 17.27 (12.56 to 23.05)    | 0.06 (0.04 to 0.08)             | −4.20 (−4.59 to −3.82) | 67.25 (49.25 to 90.53)    | 0.13 (0.09 to 0.17)             | 9.48 (6.84 to 12.84)    | 0.03 (0.02 to 0.04)             | −5.04 (−5.47 to −4.61)  |
| Timor-Leste                        | 1.10 (0.23 to 1.99)       | 0.08 (0.02 to 0.14)             | 0.54 (0.25 to 0.93)       | 0.03 (0.01 to 0.05)             | −3.61 (−3.99 to −3.22) | 0.78 (0.17 to 1.40)       | 0.06 (0.01 to 0.10)             | 0.38 (0.18 to 0.64)     | 0.02 (0.01 to 0.03)             | −3.70 (−4.08 to −3.32)  |
| Togo                               | 6.14 (3.81 to 9.21)       | 0.09 (0.05 to 0.13)             | 4.76 (2.74 to 8.03)       | 0.04 (0.02 to 0.07)             | −2.58 (−2.77 to −2.39) | 4.30 (2.68 to 6.44)       | 0.06 (0.04 to 0.09)             | 3.29 (1.89 to 5.51)     | 0.03 (0.02 to 0.05)             | −2.63 (−2.82 to −2.44)  |
| Tokelau                            | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.03)             | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.04)             | −0.84 (−1.41 to −0.25) | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.00)     | 0.01 (0.00 to 0.03)             | −1.02 (−1.59 to −0.44)  |
| Tonga                              | 0.11 (0.06 to 0.22)       | 0.07 (0.04 to 0.14)             | 0.09 (0.04 to 0.19)       | 0.06 (0.03 to 0.13)             | −0.94 (−1.45 to −0.42) | 0.08 (0.04 to 0.15)       | 0.05 (0.03 to 0.10)             | 0.06 (0.03 to 0.13)     | 0.04 (0.02 to 0.09)             | −1.05 (−1.58 to −0.52)  |
| Trinidad and Tobago                | 0.25 (0.22 to 0.30)       | 0.02 (0.02 to 0.02)             | 0.09 (0.06 to 0.12)       | 0.01 (0.01 to 0.01)             | −2.08 (−2.36 to −1.81) | 0.18 (0.15 to 0.21)       | 0.01 (0.01 to 0.02)             | 0.06 (0.04 to 0.08)     | 0.01 (0.01 to 0.01)             | −2.36 (−2.64 to −2.08)  |
| Tunisia                            | 6.06 (3.82 to 8.63)       | 0.06 (0.04 to 0.08)             | 2.03 (1.28 to 3.18)       | 0.02 (0.01 to 0.04)             | −2.71 (−2.93 to −2.49) | 4.04 (2.57 to 5.75)       | 0.04 (0.02 to 0.05)             | 1.06 (0.68 to 1.65)     | 0.01 (0.01 to 0.02)             | −3.53 (−3.69 to −3.38)  |
| Turkey                             | 34.20 (23.70 to 50.50)    | 0.05 (0.03 to 0.07)             | 11.87 (8.11 to 18.26)     | 0.02 (0.02 to 0.03)             | −2.48 (−2.61 to −2.36) | 23.65 (16.47 to 35.07)    | 0.03 (0.02 to 0.05)             | 5.78 (3.86 to 8.81)     | 0.01 (0.01 to 0.02)             | −3.67 (−3.88 to −3.46)  |
| Turkmenistan                       | 7.52 (6.37 to 8.69)       | 0.13 (0.11 to 0.15)             | 1.86 (1.45 to 2.35)       | 0.03 (0.03 to 0.04)             | −4.35 (−4.76 to −3.93) | 5.17 (4.34 to 5.94)       | 0.09 (0.08 to 0.10)             | 1.23 (0.96 to 1.57)     | 0.02 (0.02 to 0.03)             | −4.49 (−4.90 to −4.08)  |
| Tuvalu                             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.05)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.02)             | −2.70 (−2.84 to −2.56) | 0.00 (0.00 to 0.01)       | 0.02 (0.01 to 0.04)             | 0.00 (0.00 to 0.00)     | 0.01 (0.00 to 0.02)             | −2.78 (−2.92 to −2.63)  |
| Uganda                             | 93.90 (59.42 to 137.15)   | 0.26 (0.17 to 0.38)             | 115.93 (61.76 to 210.95)  | 0.16 (0.08 to 0.29)             | −1.21 (−1.46 to −0.96) | 65.89 (42.50 to 95.89)    | 0.18 (0.12 to 0.27)             | 80.63 (43.32 to 147.27) | 0.11 (0.06 to 0.20)             | −1.25 (−1.59 to −1.00)  |
| Ukraine                            | 27.13 (21.38 to 34.88)    | 0.07 (0.06 to 0.10)             | 5.00 (3.78 to 6.21)       | 0.03 (0.02 to 0.04)             | −2.45 (−3.13 to −1.76) | 16.49 (13.03 to 21.15)    | 0.04 (0.04 to 0.06)             | 2.71 (2.07 to 3.35)     | 0.02 (0.01 to 0.02)             | −3.06 (−3.70 to −2.42)  |
| United Arab Emirates               | 0.72 (0.40 to 1.19)       | 0.03 (0.02 to 0.05)             | 0.85 (0.58 to 1.27)       | 0.02 (0.01 to 0.03)             | −1.25 (−1.70 to −0.79) | 0.51 (0.29 to 0.84)       | 0.02 (0.01 to 0.04)             | 0.54 (0.36 to 0.81)     | 0.01 (0.01 to 0.02)             | −1.61 (−2.03 to −1.18)  |
| United Kingdom                     | 11.38 (10.89 to 11.87)    | 0.03 (0.03 to 0.03)             | 25.31 (22.60 to 27.72)    | 0.07 (0.06 to 0.08)             | 4.37 (3.82 to 4.91)    | 4.58 (4.40 to 4.77)       | 0.01 (0.01 to 0.01)             | 6.13 (5.56 to 6.65)     | 0.02 (0.02 to 0.02)             | 2.41 (1.98 to 2.84)     |
| United Republic of Tanzania        | 85.28 (53.18 to 124.20)   | 0.18 (0.11 to 0.26)             | 85.53 (48.55 to 145.03)   | 0.10 (0.06 to 0.16)             | −1.58 (−1.77 to −1.39) | 59.95 (37.75 to 86.57)    | 0.12 (0.08 to 0.18)             | 59.46 (33.82 to 101.06) | 0.07 (0.04 to 0.11)             | −1.62 (−1.81 to −1.43)  |
| United States of America           | 101.02 (98.50 to 103.64)  | 0.05 (0.05 to 0.05)             | 162.81 (144.20 to 181.83) | 0.09 (0.08 to 0.10)             | 2.04 (1.77 to 2.30)    | 35.19 (34.40 to 36.01)    | 0.02 (0.02 to 0.02)             | 41.11 (36.63 to 45.64)  | 0.02 (0.02 to 0.02)             | 0.96 (0.83 to 1.10)     |
| United States Virgin Islands       | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.01)             | −1.64 (−1.91 to −1.37) | 0.01 (0.00 to 0.01)       | 0.01 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)     | 0.00 (0.00 to 0.01)             | −2.02 (−2.31 to −1.73)  |
| Uruguay                            | 0.15 (0.12 to 0.18)       | 0.01 (0.00 to 0.01)             | 0.12 (0.08 to 0.16)       | 0.01 (0.00 to 0.01)             | 0.70 (−0.14 to 1.54)   | 0.10 (0.08 to 0.12)       | 0.00 (0.00 to 0.00)             | 0.06 (0.04 to 0.08)     | 0.00 (0.00 to 0.00)             | 0.03 (−0.79 to 0.86)    |
| Uzbekistan                         | 19.77 (13.75 to 27.22)    | 0.06 (0.04 to 0.08)             | 12.69 (9.19 to 17.04)     | 0.03 (0.02 to 0.05)             | −1.47 (−1.63 to −1.31) | 13.44 (9.50 to 18.45)     | 0.04 (0.03 to 0.06)             | 8.50 (6.13 to 11.49)    | 0.02 (0.02 to 0.03)             | −1.54 (−1.72 to −1.37)  |
| Vanuatu                            | 0.03 (0.02 to 0.07)       | 0.01 (0.01 to 0.02)             | 0.04 (0.02 to 0.07)       | 0.01 (0.00 to 0.02)             | −0.75 (−1.32 to −0.18) | 0.02 (0.01 to 0.05)       | 0.01 (0.00 to 0.02)             | 0.02 (0.01 to 0.05)     | 0.01 (0.00 to 0.01)             | −0.75 (−1.32 to −0.18)  |
| Venezuela (Bolivarian Republic of) | 13.39 (12.42 to 14.34)    | 0.05 (0.05 to 0.06)             | 12.66 (9.16 to 17.29)     | 0.06 (0.04 to 0.08)             | 0.13 (−0.90 to 1.17)   | 9.26 (8.60 to 9.91)       | 0.04 (0.03 to 0.04)             | 8.03 (5.83 to 10.88)    | 0.04 (0.03 to 0.05)             | −0.19 (−1.21 to 0.84)   |
| Viet Nam                           | 225.39 (151.12 to 317.76) | 0.24 (0.16 to 0.34)             | 75.07 (46.61 to 115.76)   | 0.09 (0.06 to 0.14)             | −2.67 (−2.92 to −2.41) | 154.74 (102.23 to 221.21) | 0.17 (0.11 to 0.24)             | 44.66 (27.68 to 69.89)  | 0.05 (0.03 to 0.09)             | −3.14 (−3.39 to −2.89)  |
| Yemen                              | 25.23 (14.48 to 41.33)    | 0.09 (0.05 to 0.15)             | 17.14 (9.34 to 28.63)     | 0.04 (0.02 to 0.06)             | −2.76 (−2.85 to −2.66) | 17.81 (10.20 to 29.05)    | 0.06 (0.04 to 0.10)             | 11.86 (6.44 to 20.01)   | 0.03 (0.01 to 0.04)             | −2.86 (−2.95 to −2.77)  |
| Zambia                             | 43.02 (28.74 to 60.87)    | 0.29 (0.19 to 0.41)             | 32.99 (14.69 to 71.99)    | 0.11 (0.05 to 0.25)             | −3.23 (−3.41 to −3.05) | 30.39 (20.29 to 43.39)    | 0.20 (0.13 to 0.29)             | 23.06 (10.21 to 51.35)  | 0.08 (0.04 to 0.18)             | −3.27 (−3.46 to −3.08)  |
| Zimbabwe                           | 14.15 (7.55 to 23.58)     | 0.08 (0.04 to 0.13)             | 20.57 (11.27 to 33.17)    | 0.09 (0.05 to 0.15)             | 0.31 (−0.18 to 0.81)   | 9.89 (5.29 to 16.40)      | 0.06 (0.03 to 0.09)             | 14.56 (8.04 to 23.09)   | 0.07 (0.04 to 0.10)             | 0.40 (−0.10 to 0.89)    |
| Retinoblastoma                     |                           |                                 |                           |                                 |                        |                           |                                 |                         |                                 |                         |
| Afghanistan                        | 0.16 (0.03 to 0.55)       | 0.00 (0.00 to 0.00)             | 0.56 (0.09 to 2.11)       | 0.00 (0.00 to 0.00)             | 0.18 (−0.03 to 0.40)   | 0.16 (0.03 to 0.56)       | 0.00 (0.00 to 0.00)             | 0.52 (0.09 to 1.91)     | 0.00 (0.00 to 0.00)             | 0.01 (−0.21 to 0.23)    |
| Albania                            | 0.02 (0.01 to 0.03)       | 0.00 (0.00 to 0.00)             | 0.03 (0.01 to 0.09)       | 0.00 (0.00 to 0.01)             | 5.72 (4.60 to 6.85)    | 0.01 (0.00 to 0.01)       | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.01)     | 0.00 (0.00 to 0.00)             | 0.09 (−0.57 to 0.74)    |
| Algeria                            | 13.42 (6.38 to 26.11)     | 0.04 (0.02 to 0.07)             | 23.57 (10.75 to 45.20)    | 0.05 (0.02 to 0.10)             | 0.90 (0.53 to 1.27)    | 8.01 (4.12 to 15.06)      | 0.02 (0.01 to 0.04)             | 3.70 (1.79 to 6.82)     | 0.01 (0.00 to 0.01)             | −3.42 (−3.70 to −3.13)  |
| American Samoa                     | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.03)             | 1.23 (0.82 to 1.63)    | 0.00 (0.00 to 0.01)       | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)     | 0.00 (0.00 to 0.01)             | 0.10 (−0.18 to 0.37)    |
| Andorra                            | 0.01 (0.00 to 0.02)       | 0.04 (0.01 to 0.07)             | 0.01 (0.00 to 0.02)       | 0.03 (0.01 to 0.06)             | −0.72 (−1.27 to −0.16) | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)     | 0.00 (0.00 to 0.00)             | −3.42 (−3.62 to −3.23)  |
| Angola                             | 11.00 (5.16 to 24.14)     | 0.06 (0.03 to 0.13)             | 21.71 (7.75 to 50.29)     | 0.04 (0.01 to 0.09)             | −1.34 (−1.48 to −1.21) | 10.95 (5.20 to 23.28)     | 0.06 (0.03 to 0.13)             | 19.52 (7.24 to 44.41)   | 0.04 (0.01 to 0.08)             | −1.54 (−1.72 to −1.35)  |
| Antigua and Barbuda                | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −7.50 (−9.30 to −5.66) | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)     | 0.00 (0.00 to 0.00)             | −9.62 (−11.27 to −7.94) |
| Argentina                          | 29.75 (14.48 to 56.89)    |                                 |                           |                                 |                        |                           |                                 |                         |                                 |                         |

| Table S2 <i>(continued)</i>           |                            |                                 |                             |                                 |                        |                            |                                 |                           |                                 |                         |
|---------------------------------------|----------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------|----------------------------|---------------------------------|---------------------------|---------------------------------|-------------------------|
| Location                              | Incidence                  |                                 |                             |                                 |                        | Deaths                     |                                 |                           |                                 |                         |
|                                       | Number of cases, 1990      | ASR per 100000 population, 1990 | Number of cases, 2021       | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990      | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021         |
| Cambodia                              | 2.79 (0.74 to 6.29)        | 0.02 (0.00 to 0.04)             | 3.20 (0.74 to 8.21)         | 0.02 (0.00 to 0.05)             | 0.25 (−0.16 to 0.67)   | 2.78 (0.74 to 6.24)        | 0.02 (0.00 to 0.04)             | 1.90 (0.45 to 4.56)       | 0.01 (0.00 to 0.03)             | −1.49 (−1.62 to −1.36)  |
| Cameroon                              | 19.44 (7.81 to 44.69)      | 0.10 (0.04 to 0.23)             | 38.48 (13.21 to 92.65)      | 0.08 (0.03 to 0.19)             | −0.33 (−0.54 to −0.12) | 19.25 (7.78 to 43.51)      | 0.10 (0.04 to 0.23)             | 29.59 (10.63 to 67.03)    | 0.06 (0.02 to 0.14)             | −0.94 (−1.22 to −0.65)  |
| Canada                                | 38.42 (26.42 to 53.16)     | 0.20 (0.14 to 0.28)             | 21.58 (11.28 to 37.91)      | 0.11 (0.06 to 0.19)             | −1.11 (−1.45 to −0.76) | 0.84 (0.62 to 1.09)        | 0.00 (0.00 to 0.01)             | 0.21 (0.13 to 0.36)       | 0.00 (0.00 to 0.00)             | −3.77 (−4.23 to −3.30)  |
| Central African Republic              | 3.09 (1.46 to 6.48)        | 0.06 (0.03 to 0.14)             | 4.97 (1.93 to 11.07)        | 0.06 (0.02 to 0.14)             | −0.00 (−0.19 to 0.18)  | 3.10 (1.44 to 6.26)        | 0.07 (0.03 to 0.13)             | 4.99 (1.96 to 11.41)      | 0.06 (0.02 to 0.14)             | −0.02 (−0.20 to 0.17)   |
| Chad                                  | 13.00 (5.27 to 29.24)      | 0.11 (0.04 to 0.25)             | 31.62 (13.42 to 66.48)      | 0.09 (0.04 to 0.19)             | −0.58 (−0.66 to −0.50) | 13.01 (5.28 to 29.48)      | 0.11 (0.05 to 0.25)             | 31.46 (13.50 to 69.71)    | 0.09 (0.04 to 0.20)             | −0.60 (−0.68 to −0.52)  |
| Chile                                 | 6.78 (3.58 to 11.79)       | 0.05 (0.03 to 0.08)             | 9.59 (4.76 to 16.57)        | 0.08 (0.04 to 0.14)             | 1.00 (−0.27 to 2.29)   | 1.13 (0.73 to 1.65)        | 0.01 (0.01 to 0.01)             | 0.34 (0.18 to 0.60)       | 0.00 (0.00 to 0.01)             | −4.18 (−5.17 to −3.18)  |
| China                                 | 551.97 (279.27 to 907.93)  | 0.05 (0.03 to 0.08)             | 1102.43 (428.53 to 1737.37) | 0.14 (0.05 to 0.22)             | 5.55 (4.81 to 6.30)    | 314.55 (162.66 to 487.77)  | 0.03 (0.01 to 0.04)             | 70.74 (29.68 to 106.50)   | 0.01 (0.00 to 0.01)             | −2.55 (−3.06 to −2.03)  |
| Colombia                              | 23.08 (13.80 to 34.71)     | 0.06 (0.03 to 0.08)             | 36.31 (20.42 to 61.18)      | 0.10 (0.06 to 0.18)             | 4.65 (3.47 to 5.83)    | 13.72 (9.63 to 19.38)      | 0.03 (0.02 to 0.05)             | 5.39 (3.15 to 8.87)       | 0.02 (0.01 to 0.03)             | −0.15 (−1.13 to 0.83)   |
| Comoros                               | 1.79 (0.83 to 3.73)        | 0.22 (0.10 to 0.47)             | 1.82 (0.68 to 3.95)         | 0.22 (0.08 to 0.49)             | −0.15 (−0.40 to 0.10)  | 1.79 (0.82 to 3.79)        | 0.22 (0.10 to 0.48)             | 1.53 (0.61 to 3.10)       | 0.19 (0.08 to 0.38)             | −0.63 (−0.88 to −0.38)  |
| Congo                                 | 2.02 (0.82 to 4.51)        | 0.05 (0.02 to 0.12)             | 2.49 (0.78 to 6.17)         | 0.04 (0.01 to 0.10)             | −0.85 (−1.10 to −0.60) | 2.02 (0.82 to 4.45)        | 0.05 (0.02 to 0.12)             | 1.96 (0.66 to 4.77)       | 0.03 (0.01 to 0.07)             | −1.49 (−1.71 to −1.26)  |
| Cook Islands                          | 0.01 (0.00 to 0.02)        | 0.03 (0.01 to 0.09)             | 0.03 (0.01 to 0.11)         | 0.29 (0.07 to 0.94)             | 4.02 (2.51 to 5.55)    | 0.00 (0.00 to 0.01)        | 0.01 (0.00 to 0.03)             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.10)             | 0.17 (−1.29 to 1.64)    |
| Costa Rica                            | 5.34 (3.21 to 8.90)        | 0.13 (0.08 to 0.22)             | 2.73 (1.53 to 4.81)         | 0.08 (0.05 to 0.15)             | −0.10 (−0.83 to 0.64)  | 1.32 (0.83 to 2.10)        | 0.03 (0.02 to 0.05)             | 0.30 (0.17 to 0.52)       | 0.01 (0.01 to 0.02)             | −2.85 (−3.53 to −2.17)  |
| Côte d'Ivoire                         | 6.59 (2.77 to 16.11)       | 0.03 (0.01 to 0.07)             | 12.33 (4.38 to 30.99)       | 0.03 (0.01 to 0.07)             | 0.15 (−0.23 to 0.54)   | 6.55 (2.79 to 16.14)       | 0.03 (0.01 to 0.07)             | 9.08 (3.54 to 21.74)      | 0.02 (0.01 to 0.05)             | −0.62 (−0.95 to −0.28)  |
| Croatia                               | 0.22 (0.14 to 0.34)        | 0.01 (0.00 to 0.01)             | 0.16 (0.06 to 0.34)         | 0.01 (0.00 to 0.02)             | 1.12 (−1.30 to 3.61)   | 0.03 (0.02 to 0.04)        | 0.00 (0.00 to 0.00)             | 0.01 (0.00 to 0.01)       | 0.00 (0.00 to 0.00)             | −2.64 (−4.91 to −0.30)  |
| Cuba                                  | 6.97 (3.81 to 11.45)       | 0.08 (0.04 to 0.13)             | 0.19 (0.09 to 0.33)         | 0.00 (0.00 to 0.01)             | −6.84 (−8.99 to −4.65) | 1.60 (0.94 to 2.56)        | 0.02 (0.01 to 0.03)             | 0.02 (0.01 to 0.03)       | 0.00 (0.00 to 0.00)             | −9.21 (−11.24 to −7.14) |
| Cyprus                                | 0.02 (0.01 to 0.03)        | 0.00 (0.00 to 0.01)             | 0.09 (0.03 to 0.22)         | 0.01 (0.00 to 0.03)             | 7.72 (6.77 to 8.67)    | 0.00 (0.00 to 0.00)        | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | 1.83 (1.30 to 2.37)     |
| Czechia                               | 1.72 (1.06 to 2.50)        | 0.03 (0.02 to 0.04)             | 2.43 (1.08 to 4.96)         | 0.04 (0.02 to 0.09)             | 1.74 (0.33 to 3.17)    | 0.27 (0.18 to 0.38)        | 0.00 (0.00 to 0.01)             | 0.11 (0.05 to 0.21)       | 0.00 (0.00 to 0.00)             | −2.15 (−3.13 to −1.15)  |
| Democratic People's Republic of Korea | 7.98 (3.49 to 16.76)       | 0.03 (0.02 to 0.07)             | 10.91 (4.31 to 24.53)       | 0.07 (0.03 to 0.16)             | 2.73 (2.51 to 2.95)    | 4.61 (2.26 to 9.40)        | 0.02 (0.01 to 0.04)             | 2.70 (1.14 to 5.89)       | 0.02 (0.01 to 0.04)             | −0.31 (−0.45 to −0.16)  |
| Democratic Republic of the Congo      | 33.87 (14.62 to 64.15)     | 0.05 (0.02 to 0.09)             | 40.71 (15.10 to 97.10)      | 0.03 (0.01 to 0.07)             | −0.99 (−1.28 to −0.71) | 33.95 (14.49 to 64.33)     | 0.05 (0.02 to 0.09)             | 38.57 (14.80 to 86.56)    | 0.03 (0.01 to 0.06)             | −1.12 (−1.43 to −0.80)  |
| Denmark                               | 7.17 (5.05 to 9.75)        | 0.25 (0.18 to 0.34)             | 8.15 (5.13 to 11.71)        | 0.26 (0.17 to 0.38)             | 0.65 (−0.20 to 1.51)   | 0.29 (0.22 to 0.37)        | 0.01 (0.01 to 0.01)             | 0.13 (0.07 to 0.22)       | 0.00 (0.00 to 0.01)             | −3.01 (−4.04 to −1.96)  |
| Djibouti                              | 1.59 (0.71 to 2.85)        | 0.25 (0.11 to 0.46)             | 2.94 (0.99 to 6.95)         | 0.20 (0.07 to 0.48)             | −0.38 (−0.73 to −0.03) | 1.59 (0.70 to 2.88)        | 0.25 (0.11 to 0.46)             | 2.26 (0.86 to 4.75)       | 0.16 (0.06 to 0.33)             | −1.00 (−1.48 to −0.53)  |
| Dominica                              | 0.00 (0.00 to 0.00)        | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)         | 0.00 (0.00 to 0.00)             | 1.56 (1.03 to 2.09)    | 0.00 (0.00 to 0.00)        | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | 0.16 (−0.26 to 0.59)    |
| Dominican Republic                    | 1.59 (0.57 to 3.35)        | 0.02 (0.01 to 0.03)             | 1.54 (0.56 to 3.60)         | 0.02 (0.01 to 0.04)             | 1.30 (0.49 to 2.12)    | 1.32 (0.46 to 2.59)        | 0.01 (0.00 to 0.03)             | 0.57 (0.20 to 1.30)       | 0.01 (0.00 to 0.01)             | −1.03 (−1.85 to −0.20)  |
| Ecuador                               | 8.43 (4.57 to 14.67)       | 0.06 (0.03 to 0.11)             | 30.25 (15.35 to 54.05)      | 0.18 (0.09 to 0.32)             | 4.33 (3.95 to 4.71)    | 7.11 (4.16 to 11.42)       | 0.05 (0.03 to 0.09)             | 7.13 (3.89 to 12.48)      | 0.04 (0.02 to 0.07)             | 0.26 (−0.16 to 0.68)    |
| Egypt                                 | 4.72 (1.52 to 13.24)       | 0.01 (0.00 to 0.02)             | 12.46 (3.82 to 39.87)       | 0.01 (0.00 to 0.03)             | 2.17 (0.48 to 3.89)    | 4.14 (1.40 to 10.58)       | 0.01 (0.00 to 0.01)             | 3.13 (1.03 to 9.84)       | 0.00 (0.00 to 0.01)             | −1.64 (−3.23 to −0.03)  |
| El Salvador                           | 1.34 (0.55 to 3.30)        | 0.02 (0.01 to 0.04)             | 1.84 (0.78 to 4.25)         | 0.03 (0.01 to 0.07)             | 1.83 (1.31 to 2.35)    | 1.14 (0.49 to 2.63)        | 0.02 (0.01 to 0.04)             | 0.38 (0.17 to 0.81)       | 0.01 (0.00 to 0.01)             | −2.86 (−2.91 to −2.80)  |
| Equatorial Guinea                     | 0.44 (0.19 to 1.01)        | 0.06 (0.02 to 0.13)             | 0.77 (0.16 to 2.14)         | 0.04 (0.01 to 0.11)             | −1.47 (−2.04 to −0.90) | 0.44 (0.19 to 1.02)        | 0.06 (0.02 to 0.13)             | 0.35 (0.08 to 0.96)       | 0.02 (0.00 to 0.05)             | −4.29 (−4.61 to −3.97)  |
| Eritrea                               | 15.03 (5.50 to 30.87)      | 0.25 (0.09 to 0.52)             | 20.40 (7.08 to 43.36)       | 0.22 (0.08 to 0.48)             | −0.50 (−0.75 to −0.26) | 15.05 (5.54 to 31.50)      | 0.25 (0.09 to 0.53)             | 20.09 (7.09 to 41.68)     | 0.22 (0.08 to 0.46)             | −0.56 (−0.82 to −0.29)  |
| Estonia                               | 0.52 (0.25 to 0.92)        | 0.04 (0.02 to 0.08)             | 0.25 (0.13 to 0.46)         | 0.04 (0.02 to 0.07)             | 1.51 (0.19 to 2.85)    | 0.10 (0.05 to 0.17)        | 0.01 (0.00 to 0.01)             | 0.01 (0.01 to 0.02)       | 0.00 (0.00 to 0.00)             | −3.10 (−4.53 to −1.65)  |
| Eswatini                              | 0.47 (0.19 to 0.90)        | 0.03 (0.01 to 0.06)             | 0.60 (0.23 to 1.26)         | 0.04 (0.02 to 0.09)             | 1.13 (0.94 to 1.31)    | 0.46 (0.18 to 0.87)        | 0.03 (0.01 to 0.06)             | 0.48 (0.19 to 0.94)       | 0.03 (0.01 to 0.07)             | 0.65 (0.38 to 0.92)     |
| Ethiopia                              | 132.49 (58.60 to 251.31)   | 0.14 (0.06 to 0.27)             | 142.61 (71.51 to 261.15)    | 0.09 (0.05 to 0.17)             | −1.90 (−2.42 to −1.37) | 132.79 (59.33 to 248.29)   | 0.14 (0.06 to 0.27)             | 115.15 (60.69 to 193.04)  | 0.07 (0.04 to 0.12)             | −2.40 (−2.79 to −2.01)  |
| Fiji                                  | 0.14 (0.02 to 0.45)        | 0.02 (0.00 to 0.05)             | 0.24 (0.03 to 0.73)         | 0.03 (0.00 to 0.08)             | 1.89 (1.44 to 2.33)    | 0.11 (0.02 to 0.33)        | 0.01 (0.00 to 0.03)             | 0.13 (0.02 to 0.36)       | 0.01 (0.00 to 0.04)             | 0.80 (0.29 to 1.31)     |
| Finland                               | 5.09 (3.50 to 6.92)        | 0.16 (0.11 to 0.22)             | 9.63 (6.06 to 13.12)        | 0.37 (0.23 to 0.51)             | 2.87 (2.47 to 3.28)    | 0.22 (0.16 to 0.29)        | 0.01 (0.00 to 0.01)             | 0.15 (0.09 to 0.24)       | 0.01 (0.00 to 0.01)             | −1.20 (−1.93 to −0.46)  |
| France                                | 70.60 (51.94 to 91.96)     | 0.18 (0.13 to 0.23)             | 90.94 (53.18 to 136.31)     | 0.25 (0.15 to 0.37)             | 1.81 (0.94 to 2.68)    | 2.83 (2.24 to 3.46)        | 0.01 (0.01 to 0.01)             | 1.11 (0.66 to 1.76)       | 0.00 (0.00 to 0.00)             | −2.39 (−3.36 to −1.40)  |
| Gabon                                 | 0.52 (0.19 to 1.12)        | 0.03 (0.01 to 0.07)             | 0.91 (0.25 to 2.36)         | 0.04 (0.01 to 0.11)             | 1.23 (0.88 to 1.57)    | 0.51 (0.19 to 1.14)        | 0.03 (0.01 to 0.08)             | 0.50 (0.15 to 1.25)       | 0.02 (0.01 to 0.06)             | −0.69 (−0.98 to −0.40)  |
| Gambia                                | 1.92 (0.81 to 4.18)        | 0.11 (0.05 to 0.24)             | 4.58 (1.67 to 11.91)        | 0.13 (0.05 to 0.34)             | 0.56 (0.15 to 0.97)    | 1.88 (0.81 to 3.97)        | 0.11 (0.05 to 0.23)             | 3.39 (1.31 to 7.63)       | 0.10 (0.04 to 0.22)             | −0.36 (−0.74 to 0.02)   |
| Georgia                               | 0.41 (0.08 to 1.41)        | 0.01 (0.00 to 0.03)             | 2.27 (0.58 to 6.06)         | 0.09 (0.02 to 0.24)             | 10.74 (9.40 to 12.10)  | 0.11 (0.02 to 0.37)        | 0.00 (0.00 to 0.01)             | 0.43 (0.11 to 1.13)       | 0.02 (0.00 to 0.05)             | 9.99 (8.60 to 11.39)    |
| Germany                               | 49.79 (31.26 to 76.36)     | 0.11 (0.07 to 0.17)             | 46.07 (25.38 to 77.54)      | 0.11 (0.06 to 0.19)             | 0.63 (0.26 to 1.00)    | 2.06 (1.41 to 3.04)        | 0.00 (0.00 to 0.01)             | 0.57 (0.35 to 0.92)       | 0.00 (0.00 to 0.00)             | −2.84 (−3.31 to −2.36)  |
| Ghana                                 | 21.25 (8.13 to 49.89)      | 0.08 (0.03 to 0.20)             | 35.43 (11.51 to 92.12)      | 0.08 (0.02 to 0.20)             | 0.02 (−0.41 to 0.46)   | 20.99 (8.04 to 50.79)      | 0.08 (0.03 to 0.20)             | 23.31 (8.01 to 55.92)     | 0.05 (0.02 to 0.12)             | −1.13 (−1.44 to −0.82)  |
| Greece                                | 1.65 (1.01 to 2.72)        | 0.03 (0.02 to 0.04)             | 2.14 (1.07 to 3.89)         | 0.05 (0.02 to 0.09)             | 2.78 (1.49 to 4.09)    | 0.04 (0.03 to 0.07)        | 0.00 (0.00 to 0.00)             | 0.03 (0.02 to 0.06)       | 0.00 (0.00 to 0.00)             | 1.09 (−0.48 to 2.68)    |
| Greenland                             | 0.02 (0.00 to 0.05)        | 0.04 (0.01 to 0.10)             | 0.01 (0.00 to 0.02)         | 0.02 (0.01 to 0.06)             | 0.31 (−0.82 to 1.45)   | 0.00 (0.00 to 0.01)        | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −3.43 (−4.53 to −2.32)  |
| Grenada                               | 0.00 (0.00 to 0.01)        | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)         | 0.00 (0.00 to 0.00)             | −5.37 (−7.43 to −3.27) | 0.00 (0.00 to 0.00)        | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −7.63 (−9.58 to −5.64)  |
| Guam                                  | 0.03 (0.01 to 0.11)        | 0.02 (0.01 to 0.07)             | 0.04 (0.01 to 0.14)         | 0.03 (0.01 to 0.11)             | 3.06 (2.35 to 3.77)    | 0.01 (0.00 to 0.03)        | 0.01 (0.00 to 0.02)             | 0.01 (0.00 to 0.02)       | 0.01 (0.00 to 0.02)             | 1.94 (1.38 to 2.51)     |
| Guatemala                             | 6.54 (2.76 to 13.65)       | 0.04 (0.02 to 0.09)             | 7.64 (3.82 to 14.58)        | 0.05 (0.02 to 0.09)             | 1.11 (0.86 to 1.36)    | 6.52 (2.75 to 13.31)       | 0.04 (0.02 to 0.09)             | 3.37 (1.80 to 5.66)       | 0.02 (0.01 to 0.04)             | −1.83 (−1.99 to −1.66)  |
| Guinea                                | 25.10 (11.73 to 52.89)     | 0.23 (0.11 to 0.48)             | 31.53 (12.14 to 74.81)      | 0.14 (0.05 to 0.34)             | −1.17 (−1.40 to −0.94) | 25.12 (11.91 to 52.64)     | 0.23 (0.11 to 0.48)             | 30.59 (12.06 to 69.94)    | 0.14 (0.05 to 0.32)             | −1.23 (−1.46 to −1.00)  |
| Guinea-Bissau                         | 2.72 (1.13 to 6.65)        | 0.15 (0.06 to 0.37)             | 2.53 (1.00 to 5.94)         | 0.08 (0.03 to 0.18)             | −1.45 (−1.91 to −0.99) | 2.72 (1.12 to 6.51)        | 0.15 (0.06 to 0.36)             | 2.53 (0.98 to 6.05)       | 0.08 (0.03 to 0.19)             | −1.43 (−1.89 to −0.97)  |
| Guyana                                | 0.03 (0.01 to 0.05)        | 0.00 (0.00 to 0.01)             | 0.12 (0.05 to 0.24)         | 0.02 (0.01 to 0.03)             | 4.47 (1.18 to 7.88)    | 0.03 (0.01 to 0.05)        | 0.00 (0.00 to 0.00)             | 0.07 (0.04 to 0.14)       | 0.01 (0.00 to 0.02)             | 3.25 (−0.09 to 6.69)    |
| Haiti                                 | 0.82 (0.23 to 1.82)        | 0.01 (0.00 to 0.02)             | 0.73 (0.22 to 1.76)         | 0.00 (0.00 to 0.01)             | −1.59 (−1.74 to −1.43) | 0.83 (0.24 to 1.80)        | 0.01 (0.00 to 0.02)             | 0.73 (0.22 to 1.75)       | 0.00 (0.00 to 0.01)             | −1.59 (−1.74 to −1.44)  |
| Honduras                              | 3.23 (1.57 to 6.90)        | 0.04 (0.02 to 0.09)             | 4.90 (2.03 to 11.08)        | 0.04 (0.02 to 0.10)             | 0.38 (0.27 to 0.48)    | 3.19 (1.56 to 6.80)        | 0.04 (0.02 to 0.08)             | 2.81 (1.33 to 5.89)       | 0.03 (0.01 to 0.05)             | −1.50 (−1.62 to −1.39)  |
| Hungary                               | 1.62 (0.99 to 2.42)        | 0.03 (0.02 to 0.04)             | 2.24 (1.00 to 4.34)         | 0.05 (0.02 to 0.09)             | 3.23 (1.53 to 4.96)    | 0.34 (0.22 to 0.51)        | 0.01 (0.00 to 0.01)             | 0.14 (0.06 to 0.26)       | 0.00 (0.00 to 0.01)             | −0.60 (−1.96 to 0.78)   |
| Iceland                               | 0.45 (0.32 to 0.59)        | 0.21 (0.15 to 0.27)             | 0.52 (0.44 to 0.61)         | 0.24 (0.20 to 0.28)             | 0.80 (0.44 to 1.17)    | 0.01 (0.01 to 0.01)        | 0.01 (0.00 to 0.01)             | 0.01 (0.01 to 0.03)       | 0.01 (0.00 to 0.01)             | 1.13 (−0.52 to 2.82)    |
| India                                 | 698.86 (321.49 to 1061.90) | 0.06 (0.03 to 0.09)             | 809.60 (439.65 to 1274.53)  | 0.07 (0.04 to 0.11)             | 0.61 (0.12 to 1.10)    | 681.31 (311.51 to 1031.97) | 0.06 (0.03 to 0.09)             | 395.52 (233.51 to 609.67) | 0.04 (0.02 to 0.05)             | −1.76 (−2.00 to −1.53)  |
| Indonesia                             | 25.39 (6.59 to 45.89)      | 0.01 (0.00 to 0.02)             | 36.79 (8.59 to 72.29)       | 0.02 (0.00 to 0.03)             | 1.48 (1.39 to 1.58)    | 24.28 (6.17 to 42.48)      | 0.01 (0.00 to 0.02)             | 18.42 (4.41 to 33.88)     | 0.01 (0.00 to 0.02)             | −0.67 (−0.87 to −0.47)  |
| Iran (Islamic Republic of)            | 1.56 (0.14 to 4.06)        | 0.00 (0.00 to 0.00)             | 2.12 (0.42 to 4.41)         | 0.00 (0.00 to 0.01)             | 4.14 (3.48 to 4.80)    | 0.43 (0.06 to 1.04)        | 0.00 (0.00 to 0.00)             | 0.21 (0.05 to 0.39)       | 0.00 (0.00 to 0.00)             | 1.14 (0.39 to 1.89)     |
| Iraq                                  | 9.20 (4.37 to 18.65)       | 0.03 (0.01 to 0.06)             | 44.14 (21.78 to 84.96)      | 0.10 (0.05 to 0.19)             | 4.28 (4.07 to 4.49)    | 5.56 (2.79 to 10.82)       | 0.02 (0.01 to 0.04)             | 7.42 (3.68 to 13.93)      | 0.02 (0.01 to 0.03)             | −0.53 (−0.7             |

| Table S2 <i>(continued)</i>      |                          |                                 |                           |                                 |                        |                          |                                 |                           |                                 |                         |
|----------------------------------|--------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|--------------------------|---------------------------------|---------------------------|---------------------------------|-------------------------|
| Location                         | Incidence                |                                 |                           |                                 |                        | Deaths                   |                                 |                           |                                 |                         |
|                                  | Number of cases, 1990    | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990    | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021         |
| Malta                            | 0.03 (0.02 to 0.05)      | 0.01 (0.01 to 0.02)             | 0.03 (0.01 to 0.05)       | 0.01 (0.01 to 0.02)             | 0.91 (−0.07 to 1.89)   | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −2.84 (−3.88 to −1.78)  |
| Marshall Islands                 | 0.01 (0.00 to 0.02)      | 0.01 (0.00 to 0.03)             | 0.01 (0.00 to 0.03)       | 0.02 (0.00 to 0.05)             | 1.34 (1.04 to 1.63)    | 0.01 (0.00 to 0.02)      | 0.01 (0.00 to 0.03)             | 0.01 (0.00 to 0.02)       | 0.01 (0.00 to 0.04)             | 0.79 (0.44 to 1.14)     |
| Mauritania                       | 3.37 (1.37 to 8.23)      | 0.09 (0.04 to 0.23)             | 6.59 (2.54 to 15.02)      | 0.10 (0.04 to 0.23)             | −0.03 (−0.37 to 0.31)  | 3.36 (1.37 to 8.18)      | 0.09 (0.04 to 0.23)             | 3.10 (1.28 to 6.91)       | 0.05 (0.02 to 0.11)             | −2.47 (−2.66 to −2.29)  |
| Mauritius                        | 0.05 (0.03 to 0.11)      | 0.00 (0.00 to 0.01)             | 0.09 (0.05 to 0.17)       | 0.01 (0.01 to 0.03)             | 7.21 (3.70 to 10.83)   | 0.02 (0.01 to 0.04)      | 0.00 (0.00 to 0.00)             | 0.02 (0.01 to 0.03)       | 0.00 (0.00 to 0.00)             | 4.92 (1.61 to 8.34)     |
| Mexico                           | 78.27 (54.67 to 112.25)  | 0.07 (0.05 to 0.10)             | 83.37 (50.01 to 125.50)   | 0.08 (0.05 to 0.12)             | 0.27 (−0.49 to 1.03)   | 53.88 (45.20 to 63.89)   | 0.05 (0.04 to 0.06)             | 20.01 (12.90 to 29.08)    | 0.02 (0.01 to 0.03)             | −2.95 (−3.39 to −2.50)  |
| Micronesia (Federated States of) | 0.02 (0.01 to 0.07)      | 0.01 (0.00 to 0.05)             | 0.02 (0.00 to 0.06)       | 0.02 (0.00 to 0.06)             | 1.11 (0.85 to 1.37)    | 0.02 (0.01 to 0.07)      | 0.01 (0.00 to 0.04)             | 0.01 (0.00 to 0.04)       | 0.01 (0.00 to 0.04)             | −0.36 (−0.66 to −0.06)  |
| Monaco                           | 0.00 (0.00 to 0.00)      | 0.01 (0.01 to 0.02)             | 0.01 (0.00 to 0.02)       | 0.04 (0.02 to 0.09)             | 1.74 (0.77 to 2.72)    | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −0.60 (−1.60 to 0.41)   |
| Mongolia                         | 0.80 (0.14 to 2.02)      | 0.02 (0.00 to 0.06)             | 2.79 (0.85 to 7.13)       | 0.07 (0.02 to 0.18)             | 4.59 (3.95 to 5.25)    | 0.78 (0.14 to 2.02)      | 0.02 (0.00 to 0.06)             | 0.99 (0.34 to 2.49)       | 0.03 (0.01 to 0.06)             | 0.57 (0.26 to 0.88)     |
| Montenegro                       | 0.03 (0.01 to 0.09)      | 0.01 (0.00 to 0.02)             | 0.01 (0.00 to 0.03)       | 0.00 (0.00 to 0.01)             | 0.25 (−0.47 to 0.97)   | 0.00 (0.00 to 0.01)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −2.36 (−3.08 to −1.64)  |
| Morocco                          | 40.88 (18.47 to 81.95)   | 0.12 (0.05 to 0.23)             | 65.20 (26.64 to 130.06)   | 0.20 (0.08 to 0.40)             | 2.24 (2.06 to 2.42)    | 35.51 (16.05 to 70.28)   | 0.10 (0.05 to 0.20)             | 18.91 (8.02 to 36.72)     | 0.06 (0.02 to 0.11)             | −1.41 (−1.65 to −1.16)  |
| Mozambique                       | 80.71 (38.83 to 162.91)  | 0.35 (0.17 to 0.70)             | 110.68 (49.93 to 208.74)  | 0.22 (0.10 to 0.41)             | −1.09 (−1.37 to −0.82) | 80.20 (38.97 to 160.23)  | 0.34 (0.17 to 0.69)             | 109.25 (51.79 to 209.88)  | 0.21 (0.10 to 0.41)             | −1.09 (−1.38 to −0.81)  |
| Myanmar                          | 9.64 (2.33 to 24.08)     | 0.02 (0.00 to 0.05)             | 11.78 (2.50 to 31.75)     | 0.02 (0.00 to 0.06)             | 0.25 (−0.04 to 0.54)   | 9.69 (2.32 to 26.09)     | 0.02 (0.00 to 0.05)             | 7.13 (1.61 to 19.99)      | 0.01 (0.00 to 0.04)             | −1.34 (−1.49 to −1.18)  |
| Namibia                          | 2.15 (0.98 to 4.59)      | 0.10 (0.04 to 0.21)             | 6.35 (2.86 to 13.89)      | 0.23 (0.10 to 0.50)             | 3.34 (2.67 to 4.01)    | 2.12 (0.98 to 4.59)      | 0.10 (0.04 to 0.21)             | 3.36 (1.60 to 6.97)       | 0.12 (0.06 to 0.25)             | 1.29 (0.87 to 1.70)     |
| Nauru                            | 0.00 (0.00 to 0.01)      | 0.02 (0.00 to 0.05)             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.08)             | 1.11 (0.94 to 1.29)    | 0.00 (0.00 to 0.01)      | 0.02 (0.00 to 0.05)             | 0.00 (0.00 to 0.01)       | 0.02 (0.00 to 0.05)             | 0.04 (−0.29 to 0.36)    |
| Nepal                            | 21.94 (9.89 to 49.81)    | 0.07 (0.03 to 0.16)             | 22.09 (9.13 to 49.47)     | 0.07 (0.03 to 0.16)             | 0.56 (0.14 to 0.98)    | 21.97 (10.03 to 49.61)   | 0.07 (0.03 to 0.16)             | 12.02 (5.75 to 24.51)     | 0.04 (0.02 to 0.08)             | −1.51 (−1.75 to −1.27)  |
| Netherlands                      | 21.52 (15.92 to 27.54)   | 0.23 (0.17 to 0.30)             | 24.12 (14.76 to 34.53)    | 0.28 (0.17 to 0.40)             | 0.87 (0.23 to 1.52)    | 0.54 (0.43 to 0.67)      | 0.01 (0.00 to 0.01)             | 0.25 (0.15 to 0.36)       | 0.00 (0.00 to 0.00)             | −2.56 (−3.30 to −1.80)  |
| New Zealand                      | 0.78 (0.38 to 1.47)      | 0.03 (0.01 to 0.05)             | 0.36 (0.11 to 0.95)       | 0.01 (0.00 to 0.03)             | −0.21 (−3.53 to 3.23)  | 0.02 (0.01 to 0.04)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.01)       | 0.00 (0.00 to 0.00)             | −3.54 (−7.26 to 0.32)   |
| Nicaragua                        | 6.29 (2.35 to 18.79)     | 0.10 (0.04 to 0.29)             | 5.57 (2.58 to 11.33)      | 0.08 (0.04 to 0.17)             | 0.74 (0.21 to 1.26)    | 4.51 (1.74 to 12.22)     | 0.07 (0.03 to 0.19)             | 1.39 (0.67 to 2.63)       | 0.02 (0.01 to 0.04)             | −2.98 (−3.42 to −2.53)  |
| Niger                            | 24.09 (10.37 to 57.99)   | 0.15 (0.06 to 0.37)             | 39.55 (15.88 to 96.97)    | 0.08 (0.03 to 0.20)             | −2.06 (−2.34 to −1.78) | 24.08 (10.28 to 61.02)   | 0.15 (0.06 to 0.39)             | 38.86 (15.30 to 95.69)    | 0.08 (0.03 to 0.19)             | −2.13 (−2.41 to −1.85)  |
| Nigeria                          | 155.87 (69.03 to 244.32) | 0.10 (0.05 to 0.16)             | 393.52 (129.27 to 716.99) | 0.11 (0.04 to 0.20)             | 0.18 (−0.02 to 0.37)   | 146.69 (66.67 to 231.33) | 0.10 (0.04 to 0.16)             | 284.79 (100.96 to 500.41) | 0.08 (0.03 to 0.14)             | −0.71 (−0.83 to −0.58)  |
| Niue                             | 0.00 (0.00 to 0.00)      | 0.03 (0.01 to 0.10)             | 0.00 (0.00 to 0.01)       | 0.22 (0.05 to 0.76)             | 3.25 (2.04 to 4.48)    | 0.00 (0.00 to 0.00)      | 0.02 (0.00 to 0.06)             | 0.00 (0.00 to 0.00)       | 0.06 (0.02 to 0.21)             | 0.79 (−0.40 to 1.99)    |
| North Macedonia                  | 0.01 (0.00 to 0.01)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.01)       | 0.00 (0.00 to 0.00)             | 3.34 (2.21 to 4.48)    | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −1.12 (−1.88 to −0.36)  |
| Northern Mariana Islands         | 0.00 (0.00 to 0.01)      | 0.01 (0.00 to 0.02)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | −0.52 (−1.29 to 0.26)  | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −1.25 (−1.76 to −0.73)  |
| Norway                           | 0.87 (0.70 to 1.08)      | 0.03 (0.03 to 0.04)             | 0.11 (0.07 to 0.17)       | 0.00 (0.00 to 0.01)             | −4.74 (−6.94 to −2.49) | 0.03 (0.02 to 0.03)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −8.43 (−10.22 to −6.62) |
| Oman                             | 0.71 (0.24 to 1.57)      | 0.02 (0.01 to 0.05)             | 1.45 (0.55 to 2.96)       | 0.03 (0.01 to 0.07)             | 1.95 (1.37 to 2.54)    | 0.30 (0.11 to 0.61)      | 0.01 (0.00 to 0.02)             | 0.13 (0.05 to 0.26)       | 0.00 (0.00 to 0.01)             | −2.73 (−3.27 to −2.20)  |
| Pakistan                         | 94.99 (43.64 to 177.34)  | 0.05 (0.02 to 0.10)             | 276.95 (119.47 to 501.90) | 0.09 (0.04 to 0.17)             | 2.43 (2.25 to 2.61)    | 93.74 (42.89 to 177.56)  | 0.05 (0.02 to 0.10)             | 212.11 (95.59 to 378.00)  | 0.07 (0.03 to 0.13)             | 1.67 (1.43 to 1.91)     |
| Palau                            | 0.00 (0.00 to 0.01)      | 0.02 (0.00 to 0.06)             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.11)             | 1.65 (1.35 to 1.95)    | 0.00 (0.00 to 0.00)      | 0.01 (0.00 to 0.03)             | 0.00 (0.00 to 0.00)       | 0.01 (0.00 to 0.03)             | −0.05 (−0.28 to 0.17)   |
| Palestine                        | 0.24 (0.08 to 0.55)      | 0.01 (0.00 to 0.01)             | 0.75 (0.31 to 1.50)       | 0.01 (0.00 to 0.02)             | 2.87 (2.12 to 3.62)    | 0.12 (0.04 to 0.26)      | 0.00 (0.00 to 0.01)             | 0.12 (0.05 to 0.24)       | 0.00 (0.00 to 0.00)             | −0.80 (−1.43 to −0.16)  |
| Panama                           | 2.34 (0.96 to 4.93)      | 0.08 (0.03 to 0.17)             | 4.48 (2.26 to 8.46)       | 0.12 (0.06 to 0.22)             | 1.41 (1.24 to 1.59)    | 0.97 (0.44 to 2.03)      | 0.03 (0.02 to 0.07)             | 0.67 (0.35 to 1.25)       | 0.02 (0.01 to 0.03)             | −1.58 (−1.80 to −1.35)  |
| Papua New Guinea                 | 0.90 (0.20 to 3.05)      | 0.01 (0.00 to 0.05)             | 2.60 (0.56 to 8.87)       | 0.02 (0.00 to 0.06)             | 0.62 (0.24 to 0.99)    | 0.88 (0.19 to 3.03)      | 0.01 (0.00 to 0.05)             | 2.30 (0.50 to 8.68)       | 0.02 (0.00 to 0.06)             | 0.35 (−0.07 to 0.77)    |
| Paraguay                         | 4.47 (1.63 to 9.21)      | 0.07 (0.03 to 0.15)             | 7.52 (2.76 to 16.67)      | 0.11 (0.04 to 0.25)             | 2.15 (1.87 to 2.43)    | 2.57 (0.98 to 5.04)      | 0.04 (0.02 to 0.08)             | 1.90 (0.75 to 4.32)       | 0.03 (0.01 to 0.07)             | −0.54 (−0.80 to −0.28)  |
| Peru                             | 34.29 (17.27 to 67.88)   | 0.12 (0.06 to 0.24)             | 63.78 (26.16 to 132.45)   | 0.19 (0.08 to 0.40)             | 2.73 (2.35 to 3.11)    | 28.29 (14.39 to 52.84)   | 0.10 (0.05 to 0.18)             | 9.83 (4.21 to 20.09)      | 0.03 (0.01 to 0.06)             | −3.14 (−3.36 to −2.92)  |
| Philippines                      | 35.60 (9.01 to 69.30)    | 0.04 (0.01 to 0.08)             | 70.93 (19.21 to 123.46)   | 0.06 (0.02 to 0.11)             | 1.85 (1.61 to 2.08)    | 25.49 (6.44 to 45.94)    | 0.03 (0.01 to 0.05)             | 34.42 (9.91 to 58.06)     | 0.03 (0.01 to 0.05)             | 0.76 (0.48 to 1.05)     |
| Poland                           | 0.73 (0.53 to 0.98)      | 0.00 (0.00 to 0.00)             | 0.79 (0.44 to 1.43)       | 0.00 (0.00 to 0.01)             | 0.21 (−2.77 to 3.27)   | 0.20 (0.15 to 0.24)      | 0.00 (0.00 to 0.00)             | 0.05 (0.03 to 0.09)       | 0.00 (0.00 to 0.00)             | −4.20 (−6.91 to −1.42)  |
| Portugal                         | 20.64 (13.85 to 28.15)   | 0.34 (0.23 to 0.46)             | 18.95 (12.67 to 23.39)    | 0.44 (0.30 to 0.54)             | 1.33 (0.19 to 2.48)    | 1.53 (1.10 to 2.14)      | 0.02 (0.02 to 0.03)             | 0.39 (0.22 to 0.66)       | 0.01 (0.01 to 0.02)             | −3.20 (−4.83 to −1.54)  |
| Puerto Rico                      | 0.94 (0.50 to 1.85)      | 0.03 (0.02 to 0.06)             | 0.08 (0.05 to 0.15)       | 0.01 (0.00 to 0.01)             | −3.50 (−5.99 to −0.95) | 0.20 (0.11 to 0.38)      | 0.01 (0.00 to 0.01)             | 0.01 (0.00 to 0.01)       | 0.00 (0.00 to 0.00)             | −7.22 (−9.43 to −4.95)  |
| Qatar                            | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | 0.74 (−2.35 to 3.93)   | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −4.88 (−7.66 to −2.02)  |
| Republic of Korea                | 35.26 (16.56 to 63.72)   | 0.10 (0.05 to 0.18)             | 46.50 (26.08 to 75.98)    | 0.28 (0.16 to 0.45)             | 3.70 (3.19 to 4.20)    | 4.72 (2.47 to 7.94)      | 0.01 (0.01 to 0.02)             | 0.65 (0.37 to 1.15)       | 0.00 (0.00 to 0.01)             | −3.99 (−4.43 to −3.54)  |
| Republic of Moldova              | 5.52 (2.01 to 14.24)     | 0.13 (0.05 to 0.32)             | 0.83 (0.35 to 1.68)       | 0.05 (0.02 to 0.11)             | −3.49 (−4.22 to −2.76) | 1.73 (0.68 to 3.91)      | 0.04 (0.02 to 0.09)             | 0.10 (0.05 to 0.21)       | 0.01 (0.00 to 0.01)             | −6.30 (−6.72 to −5.88)  |
| Romania                          | 19.52 (6.67 to 45.16)    | 0.11 (0.04 to 0.25)             | 7.99 (3.80 to 15.82)      | 0.08 (0.04 to 0.17)             | −1.73 (−2.51 to −0.95) | 6.67 (2.30 to 14.92)     | 0.04 (0.01 to 0.08)             | 0.68 (0.33 to 1.32)       | 0.01 (0.00 to 0.01)             | −6.34 (−7.07 to −5.60)  |
| Russian Federation               | 78.10 (52.66 to 112.43)  | 0.07 (0.04 to 0.09)             | 31.71 (23.47 to 42.64)    | 0.04 (0.03 to 0.05)             | −2.49 (−3.15 to −1.82) | 17.99 (12.95 to 24.35)   | 0.02 (0.01 to 0.02)             | 2.68 (2.03 to 3.50)       | 0.00 (0.00 to 0.00)             | −6.26 (−7.28 to −5.22)  |
| Rwanda                           | 36.81 (17.29 to 74.96)   | 0.28 (0.13 to 0.57)             | 28.57 (10.34 to 61.43)    | 0.16 (0.06 to 0.35)             | −1.54 (−1.87 to −1.21) | 36.65 (17.47 to 76.01)   | 0.28 (0.13 to 0.58)             | 24.15 (9.55 to 49.92)     | 0.14 (0.05 to 0.29)             | −1.99 (−2.35 to −1.62)  |
| Saint Kitts and Nevis            | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −5.26 (−7.18 to −3.30) | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −8.73 (−10.35 to −7.07) |
| Saint Lucia                      | 0.00 (0.00 to 0.01)      | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −1.88 (−3.25 to −0.50) | 0.00 (0.00 to 0.01)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −4.71 (−5.94 to −3.46)  |
| Saint Vincent and the Grenadines | 0.24 (0.10 to 0.58)      | 0.19 (0.07 to 0.45)             | 0.02 (0.01 to 0.04)       | 0.02 (0.01 to 0.04)             | −6.48 (−8.30 to −4.63) | 0.15 (0.07 to 0.34)      | 0.11 (0.05 to 0.26)             | 0.01 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | −8.17 (−9.77 to −6.54)  |
| Samoa                            | 0.08 (0.03 to 0.20)      | 0.03 (0.01 to 0.08)             | 0.13 (0.04 to 0.36)       | 0.05 (0.01 to 0.12)             | 0.85 (0.61 to 1.08)    | 0.06 (0.02 to 0.14)      | 0.03 (0.01 to 0.06)             | 0.05 (0.02 to 0.14)       | 0.02 (0.01 to 0.05)             | −1.09 (−1.30 to −0.89)  |
| San Marino                       | 0.01 (0.00 to 0.01)      | 0.05 (0.02 to 0.11)             | 0.01 (0.00 to 0.01)       | 0.04 (0.01 to 0.09)             | −0.16 (−0.36 to 0.04)  | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −1.99 (−2.33 to −1.64)  |
| Sao Tome and Principe            | 0.22 (0.08 to 0.54)      | 0.11 (0.04 to 0.27)             | 0.31 (0.10 to 0.76)       | 0.12 (0.04 to 0.30)             | 0.81 (−0.44 to 2.09)   | 0.22 (0.08 to 0.53)      | 0.11 (0.04 to 0.27)             | 0.14 (0.05 to 0.32)       | 0.05 (0.02 to 0.13)             | −1.77 (−2.81 to −0.71)  |
| Saudi Arabia                     | 6.26 (0.66 to 15.13)     | 0.03 (0.00 to 0.06)             | 8.98 (1.82 to 21.37)      | 0.04 (0.01 to 0.09)             | 2.18 (0.39 to 3.99)    | 4.05 (0.42 to 9.68)      | 0.02 (0.00 to 0.04)             | 1.02 (0.21 to 2.43)       | 0.00 (0.00 to 0.01)             | −3.80 (−5.38 to −2.19)  |
| Senegal                          | 18.35 (7.38 to 44.05)    | 0.13 (0.05 to 0.32)             | 23.41 (8.51 to 57.95)     | 0.10 (0.04 to 0.26)             | −0.22 (−0.68 to 0.23)  | 18.27 (7.37 to 44.14)    | 0.13 (0.05 to 0.32)             | 17.52 (7.03 to 41.59)     | 0.08 (0.03 to 0.19)             | −1.03 (−1.46 to −0.60)  |
| Serbia                           | 1.99 (0.78 to 4.46)      | 0.03 (0.01 to 0.06)             | 0.75 (0.31 to 1.61)       | 0.02 (0.01 to 0.04)             | −1.25 (−1.89 to −0.59) | 0.49 (0.20 to 1.03)      | 0.01 (0.00 to 0.01)             | 0.05 (0.02 to 0.11)       | 0.00 (0.00 to 0.00)             | −5.74 (−6.44 to −5.05)  |
| Seychelles                       | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | 1.38 (1.03 to 1.74)    | 0.00 (0.00 to 0.00)      | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −1.54 (−1.76 to −1.33)  |
| Sierra Leone                     | 7.94 (3.24 to 17.10)     | 0.11 (0.04 to 0.24)             | 10.37 (3.75 to 26.51)     | 0.08 (0.03 to 0.20)             | −0.87 (−1.16 to −0.57) | 7.93 (3.19 to 17.06)     | 0.11 (0.04 to 0.24)             | 9.09 (3.36 to 21.90)      | 0.07 (0.03 to 0.17)             | −1.18 (−1.44 to −0.91)  |
| Singapore                        | 7.62 (5.37 to 9.82)      | 0.37 (0.26 to 0.48)             | 10.07 (6.08 to 13.84)     | 0.35 (0.21 to 0.48)             | 0.18 (−0.32 to 0.67)   | 0.57 (0.42 to 0.75)      | 0.03 (0.02 to 0.04)             | 0.16 (0.09 to 0.26)       | 0.01 (0.00 to 0.01)             | −4.75 (−5.40 to −4.11)  |
| Slovakia                         | 0.72 (0.28 to 1.66)      | 0.02 (0.01 to 0.04)             | 1.43 (0.60 to 3.13)       | 0.05 (0.02 to 0.11)             | 4.49 (3.40 to 5.59)    | 0.14 (0.06 to 0.32)      | 0.00 (0.00 to 0.01)             | 0.09 (0.04 to 0.20)       | 0.00 (0.00 to 0                 |                         |

Table S2 (continued)

| Location                           | Incidence                    |                                 |                             |                                 |                        | Deaths                       |                                 |                           |                                 |                        |
|------------------------------------|------------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------|------------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|
|                                    | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021       | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Uganda                             | 71.80 (32.29 to 136.22)      | 0.21 (0.09 to 0.40)             | 125.56 (51.16 to 297.81)    | 0.17 (0.07 to 0.41)             | −0.40 (−0.73 to −0.06) | 71.53 (31.65 to 130.89)      | 0.21 (0.09 to 0.38)             | 102.53 (45.43 to 221.24)  | 0.14 (0.06 to 0.31)             | −0.92 (−1.22 to −0.63) |
| Ukraine                            | 14.86 (7.05 to 29.29)        | 0.04 (0.02 to 0.08)             | 9.37 (4.74 to 16.62)        | 0.05 (0.02 to 0.09)             | 1.63 (1.17 to 2.08)    | 3.01 (1.49 to 5.77)          | 0.01 (0.00 to 0.01)             | 1.27 (0.65 to 2.24)       | 0.01 (0.00 to 0.01)             | −0.24 (−0.62 to 0.15)  |
| United Arab Emirates               | 0.25 (0.08 to 0.61)          | 0.01 (0.00 to 0.03)             | 0.98 (0.38 to 2.01)         | 0.02 (0.01 to 0.05)             | 3.97 (3.18 to 4.76)    | 0.13 (0.04 to 0.33)          | 0.01 (0.00 to 0.01)             | 0.16 (0.06 to 0.33)       | 0.00 (0.00 to 0.01)             | 0.05 (−0.58 to 0.68)   |
| United Kingdom                     | 7.57 (6.37 to 8.96)          | 0.02 (0.02 to 0.02)             | 20.58 (16.54 to 25.03)      | 0.06 (0.04 to 0.07)             | 1.68 (0.38 to 3.00)    | 0.30 (0.27 to 0.33)          | 0.00 (0.00 to 0.00)             | 0.52 (0.41 to 0.68)       | 0.00 (0.00 to 0.00)             | −0.48 (−2.32 to 1.39)  |
| United Republic of Tanzania        | 114.89 (47.07 to 241.11)     | 0.25 (0.10 to 0.52)             | 191.60 (72.11 to 430.30)    | 0.22 (0.08 to 0.49)             | 0.10 (−0.17 to 0.36)   | 114.40 (47.40 to 242.46)     | 0.25 (0.10 to 0.53)             | 152.33 (63.04 to 314.04)  | 0.17 (0.07 to 0.36)             | −0.52 (−0.80 to −0.24) |
| United States of America           | 406.72 (337.65 to 480.68)    | 0.21 (0.17 to 0.25)             | 211.88 (144.89 to 304.00)   | 0.11 (0.08 to 0.16)             | −1.26 (−1.75 to −0.77) | 13.18 (11.76 to 14.66)       | 0.01 (0.01 to 0.01)             | 4.06 (3.08 to 5.39)       | 0.00 (0.00 to 0.00)             | −2.96 (−3.60 to −2.32) |
| United States Virgin Islands       | 0.09 (0.03 to 0.21)          | 0.08 (0.03 to 0.19)             | 0.02 (0.01 to 0.05)         | 0.06 (0.02 to 0.13)             | −1.44 (−1.93 to −0.94) | 0.03 (0.01 to 0.07)          | 0.03 (0.01 to 0.07)             | 0.00 (0.00 to 0.01)       | 0.01 (0.00 to 0.02)             | −3.69 (−4.10 to −3.27) |
| Uruguay                            | 4.33 (2.17 to 7.69)          | 0.16 (0.08 to 0.28)             | 3.10 (1.75 to 5.16)         | 0.15 (0.08 to 0.25)             | −0.37 (−0.69 to −0.04) | 0.60 (0.35 to 1.01)          | 0.02 (0.01 to 0.04)             | 0.18 (0.10 to 0.31)       | 0.01 (0.00 to 0.01)             | −3.15 (−3.58 to −2.71) |
| Uzbekistan                         | 7.05 (1.71 to 21.93)         | 0.02 (0.01 to 0.07)             | 18.24 (5.67 to 40.78)       | 0.05 (0.02 to 0.11)             | 3.22 (2.71 to 3.73)    | 3.73 (0.91 to 11.19)         | 0.01 (0.00 to 0.03)             | 5.67 (1.88 to 12.37)      | 0.02 (0.01 to 0.03)             | 1.00 (0.66 to 1.34)    |
| Vanuatu                            | 0.03 (0.01 to 0.08)          | 0.01 (0.00 to 0.03)             | 0.05 (0.01 to 0.15)         | 0.01 (0.00 to 0.04)             | 1.14 (0.47 to 1.82)    | 0.02 (0.01 to 0.08)          | 0.01 (0.00 to 0.03)             | 0.04 (0.01 to 0.13)       | 0.01 (0.00 to 0.03)             | 0.77 (0.07 to 1.48)    |
| Venezuela (Bolivarian Republic of) | 12.30 (5.42 to 23.67)        | 0.05 (0.02 to 0.10)             | 14.19 (6.65 to 30.89)       | 0.06 (0.03 to 0.14)             | 1.61 (1.07 to 2.16)    | 7.45 (3.65 to 14.28)         | 0.03 (0.01 to 0.06)             | 3.45 (1.67 to 7.26)       | 0.02 (0.01 to 0.03)             | −1.40 (−1.71 to −1.09) |
| Viet Nam                           | 102.75 (45.72 to 206.01)     | 0.11 (0.05 to 0.22)             | 149.74 (62.69 to 303.82)    | 0.18 (0.08 to 0.36)             | 1.55 (1.37 to 1.72)    | 70.40 (36.65 to 138.79)      | 0.07 (0.04 to 0.15)             | 26.66 (11.47 to 53.05)    | 0.03 (0.01 to 0.06)             | −2.98 (−3.13 to −2.82) |
| Yemen                              | 0.26 (0.06 to 0.85)          | 0.00 (0.00 to 0.00)             | 0.64 (0.11 to 2.31)         | 0.00 (0.00 to 0.00)             | 1.83 (1.46 to 2.20)    | 0.26 (0.06 to 0.85)          | 0.00 (0.00 to 0.00)             | 0.36 (0.07 to 1.26)       | 0.00 (0.00 to 0.00)             | −0.49 (−0.72 to −0.25) |
| Zambia                             | 38.03 (18.23 to 74.78)       | 0.26 (0.12 to 0.53)             | 47.32 (20.50 to 101.06)     | 0.16 (0.07 to 0.35)             | −1.49 (−1.70 to −1.29) | 37.97 (18.28 to 74.99)       | 0.26 (0.12 to 0.52)             | 40.03 (17.80 to 83.12)    | 0.14 (0.06 to 0.29)             | −1.88 (−2.18 to −1.58) |
| Zimbabwe                           | 6.87 (3.27 to 13.15)         | 0.04 (0.02 to 0.08)             | 13.99 (4.93 to 32.42)       | 0.06 (0.02 to 0.15)             | 4.10 (2.58 to 5.63)    | 6.17 (3.11 to 11.41)         | 0.04 (0.02 to 0.07)             | 13.29 (4.54 to 30.81)     | 0.06 (0.02 to 0.14)             | 4.76 (3.15 to 6.39)    |
| Hepatoblastoma+retinoblastoma      |                              |                                 |                             |                                 |                        |                              |                                 |                           |                                 |                        |
| Afghanistan                        | 34.50 (11.51 to 61.24)       | 0.20 (0.07 to 0.36)             | 51.99 (33.36 to 79.49)      | 0.10 (0.06 to 0.15)             | −1.74 (−2.10 to −1.37) | 24.66 (8.20 to 44.06)        | 0.14 (0.05 to 0.26)             | 36.66 (23.66 to 56.45)    | 0.07 (0.04 to 0.10)             | −1.80 (−2.16 to −1.44) |
| Albania                            | 12.29 (8.12 to 17.65)        | 0.31 (0.20 to 0.45)             | 1.88 (1.10 to 3.17)         | 0.13 (0.08 to 0.22)             | −2.95 (−3.46 to −2.43) | 8.28 (5.50 to 11.92)         | 0.21 (0.14 to 0.30)             | 0.79 (0.47 to 1.32)       | 0.06 (0.03 to 0.09)             | −4.68 (−5.07 to −4.28) |
| Algeria                            | 33.80 (20.92 to 55.05)       | 0.09 (0.06 to 0.15)             | 38.89 (20.19 to 69.30)      | 0.08 (0.04 to 0.15)             | −0.21 (−0.39 to −0.02) | 21.98 (14.16 to 35.28)       | 0.06 (0.04 to 0.09)             | 12.53 (7.21 to 20.78)     | 0.03 (0.02 to 0.04)             | −2.36 (−2.51 to −2.22) |
| American Samoa                     | 0.01 (0.00 to 0.02)          | 0.01 (0.01 to 0.03)             | 0.01 (0.00 to 0.02)         | 0.02 (0.01 to 0.06)             | 1.49 (1.00 to 1.99)    | 0.01 (0.00 to 0.01)          | 0.01 (0.00 to 0.02)             | 1.00 (0.00 to 0.01)       | 0.01 (0.01 to 0.03)             | 1.13 (0.61 to 1.67)    |
| Andorra                            | 0.11 (0.04 to 0.19)          | 0.38 (0.15 to 0.68)             | 0.06 (0.03 to 0.09)         | 0.21 (0.12 to 0.37)             | −1.67 (−1.97 to −1.36) | 0.03 (0.01 to 0.05)          | 0.10 (0.04 to 0.17)             | 0.01 (0.01 to 0.02)       | 0.04 (0.02 to 0.06)             | −2.54 (−2.87 to −2.20) |
| Angola                             | 75.00 (27.66 to 147.42)      | 0.40 (0.15 to 0.79)             | 68.84 (23.06 to 145.96)     | 0.12 (0.04 to 0.26)             | −3.93 (−4.10 to −3.76) | 56.49 (21.28 to 110.14)      | 0.30 (0.11 to 0.59)             | 52.50 (17.99 to 112.33)   | 0.09 (0.03 to 0.20)             | −3.83 (−4.01 to −3.66) |
| Antigua and Barbuda                | 0.01 (0.01 to 0.02)          | 0.02 (0.01 to 0.03)             | 0.01 (0.01 to 0.01)         | 0.01 (0.01 to 0.02)             | −1.29 (−1.70 to −0.88) | 0.01 (0.00 to 0.01)          | 0.01 (0.01 to 0.02)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.01)             | −1.20 (−1.51 to −0.89) |
| Argentina                          | 32.13 (16.49 to 59.66)       | 0.09 (0.05 to 0.17)             | 16.05 (8.79 to 25.60)       | 0.05 (0.03 to 0.08)             | −1.16 (−1.91 to −0.40) | 7.55 (4.87 to 11.85)         | 0.02 (0.01 to 0.03)             | 2.69 (1.91 to 3.65)       | 0.01 (0.01 to 0.01)             | −2.46 (−2.96 to −1.96) |
| Armenia                            | 2.72 (2.17 to 3.49)          | 0.07 (0.06 to 0.09)             | 1.66 (0.91 to 2.91)         | 0.09 (0.05 to 0.15)             | 1.51 (0.86 to 2.16)    | 1.79 (1.43 to 2.28)          | 0.05 (0.04 to 0.06)             | 0.54 (0.37 to 0.83)       | 0.03 (0.02 to 0.04)             | −1.32 (−1.55 to −1.10) |
| Australia                          | 12.51 (9.86 to 15.44)        | 0.10 (0.08 to 0.12)             | 14.08 (10.17 to 18.92)      | 0.09 (0.07 to 0.13)             | 0.76 (0.01 to 1.50)    | 1.76 (1.52 to 2.01)          | 0.01 (0.01 to 0.02)             | 2.58 (2.02 to 3.25)       | 0.02 (0.01 to 0.02)             | 0.90 (0.63 to 1.17)    |
| Austria                            | 8.76 (6.46 to 11.59)         | 0.19 (0.14 to 0.26)             | 8.28 (4.84 to 13.05)        | 0.19 (0.11 to 0.30)             | 0.68 (0.17 to 1.19)    | 0.99 (0.83 to 1.19)          | 0.02 (0.02 to 0.03)             | 0.55 (0.41 to 0.74)       | 0.01 (0.01 to 0.02)             | −1.39 (−1.73 to −1.05) |
| Azerbaijan                         | 11.42 (4.97 to 24.51)        | 0.13 (0.06 to 0.28)             | 10.68 (3.93 to 26.01)       | 0.14 (0.05 to 0.34)             | 0.31 (0.18 to 0.43)    | 7.54 (3.40 to 15.73)         | 0.09 (0.04 to 0.18)             | 4.56 (2.08 to 9.53)       | 0.06 (0.03 to 0.13)             | −1.44 (−1.67 to −1.21) |
| Bahamas                            | 0.18 (0.10 to 0.32)          | 0.07 (0.04 to 0.12)             | 0.09 (0.04 to 0.20)         | 0.04 (0.02 to 0.09)             | −0.82 (−2.22 to 0.60)  | 0.10 (0.06 to 0.17)          | 0.04 (0.02 to 0.06)             | 0.03 (0.02 to 0.06)       | 0.02 (0.01 to 0.03)             | −2.45 (−3.47 to −1.43) |
| Bahrain                            | 0.24 (0.17 to 0.35)          | 0.04 (0.03 to 0.06)             | 0.40 (0.18 to 0.75)         | 0.04 (0.02 to 0.08)             | 1.58 (0.72 to 2.44)    | 0.16 (0.11 to 0.22)          | 0.03 (0.02 to 0.04)             | 0.11 (0.07 to 0.18)       | 0.01 (0.01 to 0.02)             | −1.97 (−2.58 to −1.37) |
| Bangladesh                         | 315.57 (130.34 to 563.60)    | 0.17 (0.07 to 0.31)             | 193.95 (101.11 to 367.14)   | 0.13 (0.07 to 0.25)             | −0.66 (−1.02 to −0.30) | 264.12 (111.30 to 486.98)    | 0.14 (0.06 to 0.26)             | 91.85 (51.80 to 163.78)   | 0.06 (0.04 to 0.11)             | −2.60 (−2.72 to −2.47) |
| Barbados                           | 0.19 (0.08 to 0.44)          | 0.10 (0.04 to 0.22)             | 0.28 (0.11 to 0.60)         | 0.20 (0.08 to 0.43)             | 3.67 (2.62 to 4.74)    | 0.08 (0.04 to 0.15)          | 0.04 (0.02 to 0.08)             | 0.05 (0.02 to 0.10)       | 0.04 (0.02 to 0.07)             | 1.17 (0.29 to 2.07)    |
| Belarus                            | 7.00 (3.85 to 13.21)         | 0.09 (0.05 to 0.16)             | 13.47 (5.00 to 30.02)       | 0.28 (0.10 to 0.61)             | 4.13 (3.23 to 5.04)    | 2.14 (1.36 to 3.48)          | 0.03 (0.02 to 0.04)             | 2.15 (1.13 to 3.99)       | 0.04 (0.02 to 0.08)             | 2.06 (1.51 to 2.60)    |
| Belgium                            | 10.37 (7.18 to 14.49)        | 0.17 (0.12 to 0.24)             | 12.07 (7.31 to 18.27)       | 0.20 (0.12 to 0.30)             | 0.60 (0.03 to 1.17)    | 1.08 (0.87 to 1.33)          | 0.02 (0.01 to 0.02)             | 0.65 (0.48 to 0.88)       | 0.01 (0.01 to 0.01)             | −1.39 (−1.76 to −1.02) |
| Belize                             | 0.21 (0.13 to 0.36)          | 0.07 (0.05 to 0.12)             | 0.07 (0.05 to 0.11)         | 0.02 (0.01 to 0.03)             | −4.15 (−5.23 to −3.05) | 0.14 (0.09 to 0.21)          | 0.05 (0.03 to 0.07)             | 0.04 (0.03 to 0.06)       | 0.01 (0.01 to 0.01)             | −4.81 (−5.58 to −4.03) |
| Benin                              | 41.24 (22.97 to 72.12)       | 0.41 (0.23 to 0.73)             | 56.22 (27.07 to 108.70)     | 0.24 (0.11 to 0.47)             | −1.79 (−1.97 to −1.62) | 32.61 (17.69 to 58.77)       | 0.33 (0.18 to 0.60)             | 42.68 (20.56 to 86.62)    | 0.18 (0.09 to 0.37)             | −1.88 (−2.07 to −1.70) |
| Bermuda                            | 0.01 (0.00 to 0.01)          | 0.01 (0.01 to 0.02)             | 0.00 (0.00 to 0.00)         | 0.01 (0.01 to 0.02)             | 0.32 (−0.13 to 0.78)   | 0.00 (0.00 to 0.00)          | 0.01 (0.01 to 0.01)             | 0.00 (0.00 to 0.00)       | 0.00 (0.00 to 0.00)             | −2.70 (−3.14 to −2.27) |
| Bhutan                             | 1.61 (0.58 to 3.37)          | 0.17 (0.06 to 0.36)             | 1.19 (0.54 to 2.30)         | 0.20 (0.09 to 0.38)             | 0.21 (−0.07 to 0.50)   | 1.31 (0.48 to 2.82)          | 0.14 (0.05 to 0.30)             | 0.63 (0.30 to 1.18)       | 0.10 (0.05 to 0.19)             | −1.18 (−1.56 to −0.80) |
| Bolivia (Plurinational State of)   | 24.11 (11.36 to 45.07)       | 0.24 (0.11 to 0.45)             | 22.98 (10.54 to 45.86)      | 0.19 (0.09 to 0.38)             | −0.79 (−1.12 to −0.46) | 20.85 (9.71 to 40.72)        | 0.21 (0.10 to 0.41)             | 12.67 (6.14 to 24.50)     | 0.11 (0.05 to 0.21)             | −2.31 (−2.44 to −2.17) |
| Bosnia and Herzegovina             | 1.64 (1.08 to 2.39)          | 0.05 (0.03 to 0.07)             | 0.34 (0.20 to 0.57)         | 0.02 (0.01 to 0.04)             | −2.67 (−3.17 to −2.17) | 1.04 (0.72 to 1.46)          | 0.03 (0.02 to 0.04)             | 0.13 (0.09 to 0.19)       | 0.01 (0.01 to 0.01)             | −5.00 (−5.76 to −4.23) |
| Botswana                           | 1.07 (0.48 to 1.98)          | 0.05 (0.02 to 0.09)             | 2.12 (0.92 to 4.52)         | 0.09 (0.04 to 0.19)             | 2.15 (1.87 to 2.42)    | 0.93 (0.41 to 1.75)          | 0.04 (0.02 to 0.08)             | 1.37 (0.63 to 2.77)       | 0.06 (0.03 to 0.12)             | 1.19 (0.96 to 1.41)    |
| Brazil                             | 159.22 (123.10 to 208.74)    | 0.10 (0.07 to 0.12)             | 103.87 (72.65 to 139.89)    | 0.06 (0.04 to 0.08)             | −0.76 (−1.17 to −0.35) | 113.04 (92.43 to 138.98)     | 0.07 (0.06 to 0.08)             | 41.54 (30.37 to 53.53)    | 0.03 (0.02 to 0.03)             | −2.63 (−3.01 to −2.25) |
| Brunei Darussalam                  | 0.84 (0.40 to 1.14)          | 0.25 (0.12 to 0.34)             | 0.92 (0.66 to 1.04)         | 0.29 (0.21 to 0.33)             | 0.77 (0.66 to 0.87)    | 0.33 (0.14 to 0.68)          | 0.10 (0.04 to 0.20)             | 0.22 (0.11 to 0.41)       | 0.07 (0.04 to 0.13)             | −0.45 (−0.69 to −0.22) |
| Bulgaria                           | 4.72 (3.20 to 6.80)          | 0.09 (0.06 to 0.13)             | 1.01 (0.50 to 2.03)         | 0.03 (0.02 to 0.07)             | −3.31 (−3.54 to −3.08) | 2.64 (1.93 to 3.56)          | 0.05 (0.04 to 0.07)             | 0.32 (0.21 to 0.52)       | 0.01 (0.01 to 0.02)             | −5.06 (−5.29 to −4.84) |
| Burkina Faso                       | 83.86 (45.97 to 155.41)      | 0.44 (0.24 to 0.83)             | 120.96 (56.52 to 224.36)    | 0.29 (0.14 to 0.55)             | −1.15 (−1.34 to −0.96) | 65.85 (35.43 to 125.78)      | 0.35 (0.19 to 0.67)             | 92.87 (43.49 to 179.08)   | 0.22 (0.10 to 0.43)             | −1.22 (−1.42 to −1.02) |
| Burundi                            | 37.66 (18.64 to 70.30)       | 0.36 (0.18 to 0.68)             | 34.52 (14.13 to 75.74)      | 0.16 (0.07 to 0.36)             | −1.63 (−2.09 to −1.17) | 33.82 (16.76 to 62.49)       | 0.32 (0.16 to 0.61)             | 31.94 (13.35 to 70.36)    | 0.15 (0.06 to 0.33)             | −1.51 (−1.98 to −1.03) |
| Cabo Verde                         | 0.96 (0.39 to 1.87)          | 0.16 (0.07 to 0.32)             | 0.95 (0.43 to 1.98)         | 0.21 (0.10 to 0.45)             | 0.93 (0.42 to 1.44)    | 0.66 (0.28 to 1.22)          | 0.11 (0.05 to 0.21)             | 0.31 (0.15 to 0.62)       | 0.07 (0.03 to 0.14)             | −1.94 (−2.31 to −1.56) |
| Cambodia                           | 28.28 (13.80 to 51.07)       | 0.16 (0.08 to 0.28)             | 10.44 (4.60 to 22.10)       | 0.06 (0.03 to 0.13)             | −3.64 (−3.90 to −3.37) | 20.97 (10.32 to 37.90)       | 0.12 (0.06 to 0.21)             | 6.91 (3.05 to 14.04)      | 0.04 (0.02 to 0.08)             | −3.97 (−4.18 to −3.77) |
| Cameroon                           | 54.54 (25.89 to 100.91)      | 0.27 (0.13 to 0.51)             | 83.04 (30.33 to 180.01)     | 0.17 (0.06 to 0.37)             | −1.25 (−1.41 to −1.09) | 43.86 (20.47 to 82.63)       | 0.22 (0.10 to 0.42)             | 60.29 (22.37 to 127.62)   | 0.12 (0.05 to 0.26)             | −1.47 (−1.67 to −1.26) |
| Canada                             | 47.31 (34.30 to 63.18)       | 0.24 (0.18 to 0.33)             | 37.92 (24.45 to 58.03)      | 0.19 (0.13 to 0.30)             | 0.05 (−0.20 to 0.29)   | 3.22 (2.75 to 3.75)          | 0.02 (0.01 to 0.02)             | 3.82 (3.07 to 4.74)       | 0.02 (0.02 to 0.02)             | 1.36 (1.03 to 1.69)    |
| Central African Republic           | 12.66 (6.57 to 22.14)        | 0.26 (0.13 to 0.45)             | 11.99 (5.43 to 23.97)       | 0.15 (0.07 to 0.29)             | −2.10 (−2.21 to −1.99) | 9.95 (5.14 to 17.35)         | 0.20 (0.10 to 0.36)             | 10.00 (4.42 to 20.42)     | 0.12 (0.05 to 0.25)             | −1.89 (−2.00 to −1.78) |
| Chad                               | 36.00 (19.07 to 65.56)       | 0.29 (0.15 to 0.54)             | 79.47 (41.52 to 141.67)     | 0.22 (0.11 to 0.39)             | −0.88 (−1.02 to −0.75) | 29.24 (15.19 to 55.31)       | 0.24 (0.12 to 0.46)             | 64.93 (33.26 to 122.03)   | 0.18 (0.09 to 0.34)             | −0.87 (−0.99 to −0.74) |
| Chile                              | 7.75 (4.34 to 13.05)         | 0.05 (0.03 to 0.09)             | 10.61 (5.55 to 17.91)       | 0.09 (0.05 to 0.15)             | 1.07 (−0.11 to 2.27)   | 1.78 (1.23 to 2.49)          | 0.01 (0.01 to 0.02)             | 0.77 (0.50 to 1.15)       | 0.01 (0.00 to 0.01)             | −2.51 (−3.17 to −1.84) |
| China                              | 2821.09 (2159.91 to 3692.12) | 0.26 (0.20 to 0.33)             | 1655.58 (819.38 to 2520.73) | 0.22 (0.11 to 0.34)             | 0.09 (−0.31 to 0.49)   | 1884.66 (1467.94 to 2412.15) | 0.17 (0.13 to 0.22)             | 286.51 (184.66 to 408.26) | 0.04 (0.02 to 0.05)             | −5.24 (−5.73 to −4.75) |
| Colombia                           | 45.12 (32.34 to 60.94)       | 0.11 (0.08 to 0.15)             | 46.61 (27.64 to 75.60)      | 0.13 (0.08 to 0.22)             | 3.17 (2.26 to 4.08)    | 29.00 (22.53 to 37.54)       | 0.07 (0.05 to 0.09)             | 11.37 (7.43 to 17.09)     | 0.03 (0.02 to 0.0               |                        |

| Table S2 <i>(continued)</i>      |                             |                                 |                             |                                 |                        |                             |                                 |                           |                                 |                        |
|----------------------------------|-----------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------|-----------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|
| Location                         | Incidence                   |                                 |                             |                                 |                        | Deaths                      |                                 |                           |                                 |                        |
|                                  | Number of cases, 1990       | ASR per 100000 population, 1990 | Number of cases, 2021       | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990       | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Finland                          | 5.74 (4.08 to 7.68)         | 0.18 (0.13 to 0.24)             | 10.22 (6.52 to 13.87)       | 0.39 (0.25 to 0.54)             | 2.65 (2.32 to 2.99)    | 0.51 (0.42 to 0.63)         | 0.02 (0.01 to 0.02)             | 0.28 (0.19 to 0.41)       | 0.01 (0.01 to 0.02)             | −1.46 (−1.70 to −1.23) |
| France                           | 90.56 (69.52 to 114.64)     | 0.23 (0.18 to 0.29)             | 121.57 (77.69 to 174.23)    | 0.34 (0.21 to 0.48)             | 1.79 (1.19 to 2.39)    | 11.11 (9.55 to 12.86)       | 0.03 (0.02 to 0.03)             | 7.70 (6.00 to 9.79)       | 0.02 (0.02 to 0.03)             | −0.74 (−1.15 to −0.32) |
| Gabon                            | 2.12 (1.03 to 4.06)         | 0.14 (0.07 to 0.26)             | 2.09 (0.79 to 4.43)         | 0.10 (0.04 to 0.21)             | −0.72 (−0.94 to −0.51) | 1.65 (0.78 to 3.15)         | 0.11 (0.05 to 0.21)             | 1.31 (0.53 to 2.69)       | 0.06 (0.02 to 0.13)             | −1.36 (−1.64 to −1.07) |
| Gambia                           | 11.58 (7.32 to 18.21)       | 0.62 (0.39 to 0.99)             | 14.68 (8.25 to 27.00)       | 0.41 (0.23 to 0.76)             | −1.65 (−1.97 to −1.32) | 8.65 (5.35 to 13.93)        | 0.47 (0.29 to 0.76)             | 10.37 (5.84 to 18.04)     | 0.29 (0.16 to 0.51)             | −1.81 (−2.13 to −1.49) |
| Georgia                          | 2.11 (1.47 to 3.45)         | 0.05 (0.03 to 0.07)             | 2.49 (0.75 to 6.35)         | 0.10 (0.03 to 0.26)             | 4.16 (3.07 to 5.26)    | 1.23 (0.94 to 1.69)         | 0.03 (0.02 to 0.04)             | 0.57 (0.21 to 1.30)       | 0.02 (0.01 to 0.05)             | 0.53 (−0.45 to 1.51)   |
| Germany                          | 65.29 (44.41 to 94.93)      | 0.15 (0.10 to 0.21)             | 64.97 (40.57 to 100.79)     | 0.16 (0.10 to 0.25)             | 0.66 (0.34 to 0.99)    | 8.80 (7.09 to 11.16)        | 0.02 (0.02 to 0.03)             | 4.74 (3.68 to 6.14)       | 0.01 (0.01 to 0.02)             | −1.32 (−1.56 to −1.07) |
| Ghana                            | 52.89 (27.99 to 99.57)      | 0.20 (0.11 to 0.38)             | 54.59 (22.63 to 126.09)     | 0.12 (0.05 to 0.27)             | −1.84 (−2.07 to −1.60) | 43.10 (21.80 to 85.19)      | 0.17 (0.08 to 0.33)             | 36.40 (15.48 to 79.28)    | 0.08 (0.03 to 0.17)             | −2.31 (−2.49 to −2.14) |
| Greece                           | 5.22 (4.27 to 6.63)         | 0.09 (0.08 to 0.12)             | 6.34 (4.53 to 8.95)         | 0.15 (0.11 to 0.21)             | 1.88 (1.41 to 2.34)    | 1.15 (1.05 to 1.27)         | 0.02 (0.02 to 0.02)             | 0.98 (0.80 to 1.18)       | 0.02 (0.02 to 0.03)             | 0.77 (0.37 to 1.17)    |
| Greenland                        | 0.07 (0.04 to 0.11)         | 0.12 (0.06 to 0.21)             | 0.03 (0.01 to 0.06)         | 0.08 (0.04 to 0.14)             | −0.54 (−1.07 to −0.01) | 0.03 (0.02 to 0.05)         | 0.06 (0.04 to 0.09)             | 0.01 (0.01 to 0.02)       | 0.03 (0.02 to 0.05)             | −1.53 (−1.93 to −1.12) |
| Grenada                          | 0.03 (0.02 to 0.04)         | 0.02 (0.01 to 0.03)             | 0.01 (0.01 to 0.01)         | 0.02 (0.01 to 0.02)             | −1.08 (−1.41 to −0.74) | 0.02 (0.01 to 0.03)         | 0.02 (0.01 to 0.02)             | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.01)             | −1.25 (−1.54 to −0.96) |
| Guam                             | 0.05 (0.02 to 0.13)         | 0.03 (0.01 to 0.08)             | 0.08 (0.03 to 0.20)         | 0.06 (0.03 to 0.16)             | 3.76 (3.13 to 4.40)    | 0.02 (0.01 to 0.04)         | 0.01 (0.01 to 0.02)             | 0.03 (0.02 to 0.05)       | 0.02 (0.01 to 0.04)             | 3.66 (3.21 to 4.11)    |
| Guatemala                        | 38.40 (31.31 to 49.20)      | 0.25 (0.21 to 0.33)             | 16.60 (10.70 to 26.11)      | 0.10 (0.07 to 0.16)             | −2.10 (−2.61 to −1.58) | 29.24 (23.14 to 38.56)      | 0.19 (0.15 to 0.26)             | 9.54 (6.61 to 13.54)      | 0.06 (0.04 to 0.09)             | −3.13 (−3.60 to −2.67) |
| Guinea                           | 106.05 (46.34 to 178.52)    | 0.90 (0.39 to 1.52)             | 90.98 (45.77 to 166.77)     | 0.40 (0.20 to 0.74)             | −2.12 (−2.32 to −1.92) | 82.28 (36.56 to 142.61)     | 0.70 (0.31 to 1.22)             | 72.12 (35.46 to 133.70)   | 0.32 (0.16 to 0.60)             | −2.07 (−2.26 to −1.87) |
| Guinea-Bissau                    | 7.82 (3.70 to 15.07)        | 0.42 (0.20 to 0.82)             | 5.30 (2.56 to 10.22)        | 0.16 (0.08 to 0.31)             | −2.78 (−3.19 to −2.36) | 6.34 (2.93 to 12.49)        | 0.34 (0.16 to 0.68)             | 4.48 (2.07 to 8.98)       | 0.14 (0.06 to 0.27)             | −2.60 (−3.02 to −2.18) |
| Guyana                           | 0.28 (0.21 to 0.37)         | 0.03 (0.02 to 0.03)             | 0.21 (0.11 to 0.36)         | 0.03 (0.02 to 0.05)             | 0.93 (−0.65 to 2.53)   | 0.21 (0.15 to 0.28)         | 0.02 (0.01 to 0.03)             | 0.14 (0.08 to 0.22)       | 0.02 (0.01 to 0.03)             | 0.56 (−1.21 to 2.35)   |
| Haiti                            | 5.19 (1.84 to 10.59)        | 0.05 (0.02 to 0.10)             | 4.48 (2.08 to 8.79)         | 0.03 (0.01 to 0.06)             | −1.52 (−1.69 to −1.36) | 3.96 (1.40 to 8.03)         | 0.04 (0.01 to 0.08)             | 3.40 (1.55 to 6.79)       | 0.02 (0.01 to 0.04)             | −1.55 (−1.71 to −1.40) |
| Honduras                         | 7.77 (4.69 to 13.48)        | 0.10 (0.06 to 0.17)             | 7.09 (3.28 to 14.75)        | 0.06 (0.03 to 0.13)             | −1.39 (−1.49 to −1.28) | 6.44 (3.78 to 11.48)        | 0.08 (0.05 to 0.14)             | 4.34 (2.20 to 8.45)       | 0.04 (0.02 to 0.08)             | −2.41 (−2.54 to −2.28) |
| Hungary                          | 3.03 (2.14 to 4.15)         | 0.05 (0.03 to 0.07)             | 2.72 (1.35 to 4.99)         | 0.06 (0.03 to 0.11)             | 1.58 (0.40 to 2.77)    | 1.23 (0.94 to 1.60)         | 0.02 (0.01 to 0.03)             | 0.29 (0.18 to 0.47)       | 0.01 (0.00 to 0.01)             | −3.08 (−3.53 to −2.63) |
| Iceland                          | 0.52 (0.39 to 0.68)         | 0.24 (0.18 to 0.31)             | 0.60 (0.49 to 0.72)         | 0.27 (0.22 to 0.32)             | 0.66 (0.35 to 0.97)    | 0.03 (0.02 to 0.04)         | 0.01 (0.01 to 0.02)             | 0.03 (0.02 to 0.05)       | 0.01 (0.01 to 0.02)             | −0.04 (−0.74 to 0.66)  |
| India                            | 1451.09 (796.89 to 2079.39) | 0.12 (0.07 to 0.18)             | 1212.76 (730.03 to 1828.36) | 0.11 (0.07 to 0.16)             | −0.50 (−0.78 to −0.22) | 1214.34 (646.49 to 1751.15) | 0.10 (0.06 to 0.15)             | 669.65 (431.84 to 988.96) | 0.06 (0.04 to 0.09)             | −1.90 (−2.04 to −1.77) |
| Indonesia                        | 142.92 (45.40 to 244.07)    | 0.06 (0.02 to 0.11)             | 104.75 (39.44 to 191.37)    | 0.05 (0.02 to 0.09)             | −0.80 (−0.96 to −0.65) | 107.52 (33.82 to 183.21)    | 0.05 (0.01 to 0.08)             | 64.88 (25.81 to 114.78)   | 0.03 (0.01 to 0.05)             | −1.43 (−1.51 to −1.35) |
| Iran (Islamic Republic of)       | 80.43 (58.94 to 105.40)     | 0.09 (0.07 to 0.12)             | 29.87 (19.25 to 49.19)      | 0.05 (0.03 to 0.08)             | −1.84 (−2.34 to −1.34) | 54.75 (40.68 to 70.44)      | 0.06 (0.05 to 0.08)             | 15.29 (10.56 to 24.50)    | 0.02 (0.02 to 0.04)             | −2.90 (−3.39 to −2.41) |
| Iraq                             | 33.92 (20.45 to 52.76)      | 0.11 (0.07 to 0.17)             | 60.61 (32.08 to 111.25)     | 0.14 (0.07 to 0.26)             | 1.07 (0.81 to 1.33)    | 22.79 (14.15 to 34.68)      | 0.07 (0.05 to 0.11)             | 17.37 (9.82 to 29.88)     | 0.04 (0.02 to 0.07)             | −1.78 (−1.95 to −1.61) |
| Ireland                          | 3.44 (2.48 to 4.77)         | 0.11 (0.08 to 0.16)             | 3.17 (1.78 to 5.18)         | 0.10 (0.06 to 0.17)             | 0.10 (−0.26 to 0.46)   | 0.36 (0.30 to 0.44)         | 0.01 (0.01 to 0.01)             | 0.19 (0.15 to 0.24)       | 0.01 (0.00 to 0.01)             | −2.12 (−2.33 to −1.91) |
| Israel                           | 4.38 (2.93 to 6.52)         | 0.08 (0.06 to 0.13)             | 12.25 (7.65 to 18.57)       | 0.13 (0.08 to 0.20)             | 2.45 (2.01 to 2.88)    | 0.83 (0.67 to 1.02)         | 0.02 (0.01 to 0.02)             | 0.71 (0.53 to 0.93)       | 0.01 (0.01 to 0.01)             | −1.75 (−1.97 to −1.54) |
| Italy                            | 55.79 (48.06 to 64.30)      | 0.20 (0.17 to 0.23)             | 56.57 (40.49 to 71.04)      | 0.25 (0.18 to 0.31)             | −0.17 (−1.02 to 0.68)  | 8.53 (8.00 to 9.12)         | 0.03 (0.03 to 0.03)             | 2.62 (2.00 to 3.34)       | 0.01 (0.01 to 0.02)             | −3.55 (−4.08 to −3.01) |
| Jamaica                          | 2.00 (0.85 to 4.24)         | 0.07 (0.03 to 0.15)             | 0.57 (0.26 to 1.28)         | 0.03 (0.01 to 0.07)             | −2.05 (−3.26 to −0.82) | 0.88 (0.44 to 1.74)         | 0.03 (0.02 to 0.06)             | 0.20 (0.11 to 0.36)       | 0.01 (0.01 to 0.02)             | −3.07 (−3.94 to −2.18) |
| Japan                            | 153.31 (133.36 to 176.09)   | 0.22 (0.20 to 0.26)             | 75.92 (56.83 to 99.33)      | 0.16 (0.12 to 0.21)             | −0.42 (−1.37 to 0.54)  | 22.40 (21.34 to 23.71)      | 0.03 (0.03 to 0.03)             | 6.47 (5.69 to 7.27)       | 0.01 (0.01 to 0.02)             | −3.10 (−3.61 to −2.59) |
| Jordan                           | 3.32 (1.84 to 5.96)         | 0.06 (0.03 to 0.10)             | 8.13 (4.46 to 13.88)        | 0.07 (0.04 to 0.12)             | 0.92 (0.62 to 1.23)    | 1.83 (1.05 to 3.18)         | 0.03 (0.02 to 0.05)             | 1.74 (1.06 to 2.87)       | 0.02 (0.01 to 0.03)             | −2.78 (−3.15 to −2.41) |
| Kazakhstan                       | 30.08 (17.49 to 57.62)      | 0.16 (0.10 to 0.31)             | 17.78 (7.29 to 40.87)       | 0.09 (0.04 to 0.21)             | −1.28 (−1.54 to −1.01) | 17.00 (11.21 to 28.10)      | 0.09 (0.06 to 0.15)             | 5.00 (2.79 to 8.90)       | 0.03 (0.01 to 0.05)             | −4.30 (−4.80 to −3.79) |
| Kenya                            | 287.34 (152.47 to 436.57)   | 0.68 (0.36 to 1.04)             | 332.83 (181.82 to 538.27)   | 0.56 (0.30 to 0.90)             | −0.12 (−0.50 to 0.27)  | 249.15 (133.70 to 372.33)   | 0.59 (0.32 to 0.88)             | 235.51 (137.01 to 369.45) | 0.39 (0.23 to 0.62)             | −0.47 (−0.83 to −0.10) |
| Kiribati                         | 0.08 (0.04 to 0.17)         | 0.07 (0.03 to 0.14)             | 0.06 (0.02 to 0.15)         | 0.04 (0.01 to 0.10)             | −2.39 (−2.79 to −1.98) | 0.06 (0.03 to 0.14)         | 0.05 (0.02 to 0.12)             | 0.05 (0.02 to 0.12)       | 0.03 (0.01 to 0.09)             | −2.25 (−2.64 to −1.86) |
| Kuwait                           | 3.05 (2.19 to 4.37)         | 0.15 (0.11 to 0.22)             | 0.50 (0.34 to 0.72)         | 0.02 (0.01 to 0.03)             | −5.86 (−7.90 to −3.78) | 1.00 (0.78 to 1.29)         | 0.05 (0.04 to 0.07)             | 0.11 (0.08 to 0.15)       | 0.00 (0.00 to 0.01)             | −6.93 (−8.28 to −5.56) |
| Kyrgyzstan                       | 12.54 (7.37 to 22.44)       | 0.20 (0.12 to 0.35)             | 8.23 (3.22 to 18.17)        | 0.10 (0.04 to 0.23)             | 0.65 (−1.60 to 2.95)   | 7.92 (4.87 to 13.16)        | 0.13 (0.08 to 0.21)             | 2.27 (1.03 to 4.63)       | 0.03 (0.01 to 0.06)             | −2.46 (−4.23 to −0.67) |
| Lao People's Democratic Republic | 12.50 (3.70 to 22.56)       | 0.18 (0.05 to 0.32)             | 5.56 (2.90 to 9.93)         | 0.07 (0.04 to 0.12)             | −3.31 (−3.40 to −3.22) | 9.30 (2.73 to 16.94)        | 0.13 (0.04 to 0.24)             | 4.01 (2.08 to 7.03)       | 0.05 (0.03 to 0.09)             | −3.37 (−3.47 to −3.27) |
| Latvia                           | 1.61 (0.97 to 2.62)         | 0.08 (0.05 to 0.13)             | 0.52 (0.37 to 0.74)         | 0.06 (0.04 to 0.08)             | −1.36 (−1.82 to −0.89) | 0.55 (0.39 to 0.79)         | 0.03 (0.02 to 0.04)             | 0.21 (0.15 to 0.27)       | 0.02 (0.02 to 0.03)             | −0.88 (−1.40 to −0.35) |
| Lebanon                          | 2.36 (1.36 to 4.05)         | 0.06 (0.03 to 0.10)             | 3.23 (1.48 to 6.25)         | 0.08 (0.04 to 0.15)             | 0.96 (0.73 to 1.18)    | 1.35 (0.80 to 2.16)         | 0.03 (0.02 to 0.06)             | 0.56 (0.27 to 1.09)       | 0.01 (0.01 to 0.03)             | −3.37 (−3.64 to −3.10) |
| Lesotho                          | 1.41 (0.56 to 2.76)         | 0.06 (0.02 to 0.11)             | 1.75 (0.69 to 4.29)         | 0.08 (0.03 to 0.21)             | 1.39 (1.20 to 1.58)    | 1.24 (0.50 to 2.46)         | 0.05 (0.02 to 0.10)             | 1.50 (0.59 to 3.61)       | 0.07 (0.03 to 0.17)             | 1.35 (1.17 to 1.53)    |
| Liberia                          | 22.14 (8.52 to 40.61)       | 0.47 (0.18 to 0.87)             | 14.17 (6.40 to 30.06)       | 0.19 (0.08 to 0.39)             | −3.51 (−4.11 to −2.91) | 16.91 (6.52 to 31.31)       | 0.36 (0.14 to 0.67)             | 9.95 (4.55 to 20.17)      | 0.13 (0.06 to 0.26)             | −3.73 (−4.31 to −3.15) |
| Libya                            | 9.81 (5.77 to 16.80)        | 0.16 (0.09 to 0.27)             | 10.41 (5.32 to 18.16)       | 0.24 (0.12 to 0.41)             | 1.80 (1.60 to 2.01)    | 5.67 (3.51 to 9.20)         | 0.09 (0.06 to 0.15)             | 4.32 (2.38 to 6.81)       | 0.10 (0.05 to 0.16)             | 0.82 (0.46 to 1.18)    |
| Lithuania                        | 2.08 (1.30 to 3.47)         | 0.07 (0.05 to 0.12)             | 0.63 (0.47 to 0.85)         | 0.05 (0.04 to 0.07)             | −1.03 (−1.36 to −0.69) | 0.64 (0.47 to 0.90)         | 0.02 (0.02 to 0.03)             | 0.27 (0.21 to 0.36)       | 0.02 (0.02 to 0.03)             | −0.37 (−0.86 to 0.13)  |
| Luxembourg                       | 0.11 (0.09 to 0.14)         | 0.05 (0.04 to 0.06)             | 0.17 (0.12 to 0.29)         | 0.05 (0.03 to 0.09)             | 0.73 (0.37 to 1.10)    | 0.04 (0.03 to 0.04)         | 0.02 (0.01 to 0.02)             | 0.03 (0.02 to 0.04)       | 0.01 (0.01 to 0.01)             | −1.69 (−2.20 to −1.19) |
| Madagascar                       | 65.90 (31.90 to 120.37)     | 0.31 (0.15 to 0.58)             | 80.90 (32.29 to 180.18)     | 0.20 (0.08 to 0.44)             | −1.31 (−1.49 to −1.13) | 59.73 (28.28 to 114.60)     | 0.28 (0.13 to 0.55)             | 73.26 (29.50 to 158.32)   | 0.18 (0.07 to 0.39)             | −1.33 (−1.49 to −1.16) |
| Malawi                           | 167.53 (91.11 to 292.75)    | 0.90 (0.49 to 1.60)             | 157.22 (63.31 to 332.21)    | 0.58 (0.23 to 1.22)             | −1.39 (−1.65 to −1.12) | 147.38 (79.49 to 256.94)    | 0.80 (0.43 to 1.43)             | 135.47 (56.35 to 302.06)  | 0.50 (0.21 to 1.11)             | −1.37 (−1.67 to −1.07) |
| Malaysia                         | 16.59 (7.34 to 33.29)       | 0.07 (0.03 to 0.14)             | 21.37 (9.50 to 42.01)       | 0.09 (0.04 to 0.17)             | 1.13 (0.67 to 1.60)    | 10.94 (5.09 to 21.30)       | 0.05 (0.02 to 0.09)             | 6.49 (3.36 to 11.62)      | 0.03 (0.01 to 0.05)             | −1.62 (−2.11 to −1.13) |
| Maldives                         | 0.23 (0.08 to 0.40)         | 0.06 (0.02 to 0.10)             | 0.11 (0.06 to 0.19)         | 0.03 (0.02 to 0.06)             | −1.13 (−1.45 to −0.82) | 0.16 (0.06 to 0.29)         | 0.04 (0.01 to 0.07)             | 0.04 (0.03 to 0.07)       | 0.01 (0.01 to 0.02)             | −3.07 (−3.31 to −2.82) |
| Mali                             | 140.82 (63.77 to 240.12)    | 0.81 (0.35 to 1.40)             | 226.23 (117.77 to 416.34)   | 0.49 (0.25 to 0.91)             | −1.49 (−1.63 to −1.35) | 110.91 (50.01 to 190.73)    | 0.64 (0.28 to 1.12)             | 168.97 (87.17 to 324.67)  | 0.37 (0.19 to 0.71)             | −1.65 (−1.80 to −1.51) |
| Malta                            | 0.08 (0.06 to 0.11)         | 0.03 (0.02 to 0.04)             | 0.11 (0.07 to 0.15)         | 0.05 (0.03 to 0.07)             | 2.05 (1.67 to 2.43)    | 0.02 (0.02 to 0.03)         | 0.01 (0.01 to 0.01)             | 0.02 (0.01 to 0.02)       | 0.01 (0.01 to 0.01)             | 0.22 (−0.05 to 0.49)   |
| Marshall Islands                 | 0.01 (0.00 to 0.04)         | 0.02 (0.01 to 0.05)             | 0.01 (0.00 to 0.04)         | 0.02 (0.01 to 0.07)             | 0.79 (0.42 to 1.17)    | 0.01 (0.00 to 0.03)         | 0.01 (0.00 to 0.04)             | 0.01 (0.00 to 0.03)       | 0.02 (0.01 to 0.05)             | 0.51 (0.10 to 0.92)    |
| Mauritania                       | 12.78 (3.88 to 30.23)       | 0.34 (0.10 to 0.80)             | 13.97 (6.12 to 27.03)       | 0.21 (0.09 to 0.41)             | −1.94 (−2.22 to −1.65) | 9.98 (3.14 to 23.50)        | 0.27 (0.09 to 0.63)             | 8.04 (3.70 to 14.94)      | 0.12 (0.06 to 0.23)             | −2.84 (−3.20 to −2.48) |
| Mauritius                        | 0.29 (0.24 to 0.38)         | 0.03 (0.02 to 0.04)             | 0.11 (0.06 to 0.19)         | 0.02 (0.01 to 0.03)             | 4.83 (1.76 to 7.99)    | 0.18 (0.16 to 0.22)         | 0.02 (0.01 to 0.02)             | 0.03 (0.02 to 0.04)       | 0.00 (0.00 to 0.01)             | 1.95 (−0.79 to 4.76)   |
| Mexico                           | 165.49 (133.31 to 210.74)   | 0.14 (0.11 to 0.18)             | 129.54 (84.59 to 187.40)    | 0.13 (0.08 to 0.19)             | −0.31 (−0.83 to 0.22)  | 114.51 (99.90 to 132.27)    | 0.10 (0.09 to 0.11)             | 49.67 (35.32 to 68.50)    | 0.05 (0.03 to 0.07)             | −2.17 (−2.47 to −1.87) |
| Micronesia (Federated States of) | 0.05 (0.02 to 0.12)         | 0.03 (0.01 to 0.08)             | 0.02 (0.01 to 0.08)         | 0.03 (0.01 to 0.08)             | −0.49 (−0.73 to −0.26) | 0.04 (0.02 to 0.11)         | 0.03 (0.01 to 0.07)             | 0.02 (0.01 to 0.05)       | 0.02 (0.01 to 0.05)             | −1.21 (−1.51 to −0.91) |
| Monaco                           | 0.01 (0.01 to 0.02)         | 0.11 (0.06 to 0.18)             | 0.02 (0.01 to 0.03)         | 0.10 (0.06 to 0.19)             | −1.03 (−1.39 to −0.67) | 0.00 (0.00 to 0.01)         | 0.03 (0.01 to 0.04)             | 0.00 (0.00 to 0.00)       | 0.01 (0.01 to 0.02)             | −2.32 (−2.55 to −2.09) |
| Mongolia                         | 42.63 (25.37 to 67.65)      | 1.28 (0.76 to 2.03)             | 13.23 (7.40 to 22.88        |                                 |                        |                             |                                 |                           |                                 |                        |

Table S2 (continued)

| Location                         | Incidence                 |                                 |                           |                                 |                        | Deaths                   |                                 |                          |                                 |                        |
|----------------------------------|---------------------------|---------------------------------|---------------------------|---------------------------------|------------------------|--------------------------|---------------------------------|--------------------------|---------------------------------|------------------------|
|                                  | Number of cases, 1990     | ASR per 100000 population, 1990 | Number of cases, 2021     | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Number of cases, 1990    | ASR per 100000 population, 1990 | Number of cases, 2021    | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Philippines                      | 158.23 (90.89 to 229.75)  | 0.17 (0.10 to 0.25)             | 125.33 (61.60 to 193.84)  | 0.11 (0.05 to 0.17)             | −1.12 (−1.38 to −0.87) | 111.17 (64.11 to 157.88) | 0.12 (0.07 to 0.17)             | 72.07 (39.37 to 106.97)  | 0.06 (0.03 to 0.09)             | −1.70 (−1.88 to −1.51) |
| Poland                           | 2.71 (2.32 to 3.20)       | 0.01 (0.01 to 0.01)             | 2.58 (1.90 to 3.55)       | 0.01 (0.01 to 0.02)             | 1.29 (−0.00 to 2.59)   | 1.51 (1.34 to 1.71)      | 0.00 (0.00 to 0.01)             | 0.71 (0.58 to 0.87)      | 0.00 (0.00 to 0.00)             | −0.57 (−1.14 to −0.00) |
| Portugal                         | 23.08 (15.84 to 31.03)    | 0.38 (0.26 to 0.51)             | 20.78 (14.04 to 25.79)    | 0.48 (0.33 to 0.60)             | 1.23 (0.25 to 2.22)    | 2.92 (2.24 to 3.77)      | 0.05 (0.04 to 0.06)             | 0.80 (0.54 to 1.19)      | 0.02 (0.01 to 0.03)             | −2.93 (−3.77 to −2.10) |
| Puerto Rico                      | 1.40 (0.88 to 2.42)       | 0.04 (0.03 to 0.08)             | 0.21 (0.15 to 0.32)       | 0.02 (0.01 to 0.03)             | −2.29 (−4.07 to −0.48) | 0.50 (0.35 to 0.74)      | 0.02 (0.01 to 0.02)             | 0.06 (0.04 to 0.08)      | 0.01 (0.00 to 0.01)             | −3.97 (−4.85 to −3.08) |
| Qatar                            | 0.22 (0.15 to 0.32)       | 0.04 (0.03 to 0.06)             | 0.94 (0.61 to 1.46)       | 0.05 (0.03 to 0.08)             | 0.67 (0.20 to 1.14)    | 0.15 (0.10 to 0.21)      | 0.03 (0.02 to 0.04)             | 0.28 (0.18 to 0.44)      | 0.02 (0.01 to 0.02)             | −1.97 (−2.29 to −1.65) |
| Republic of Korea                | 75.53 (40.81 to 122.44)   | 0.22 (0.12 to 0.35)             | 56.77 (32.38 to 92.78)    | 0.34 (0.20 to 0.56)             | 2.08 (1.57 to 2.60)    | 31.50 (18.48 to 46.55)   | 0.09 (0.05 to 0.13)             | 3.12 (1.97 to 5.10)      | 0.02 (0.01 to 0.03)             | −5.08 (−5.42 to −4.75) |
| Republic of Moldova              | 14.92 (10.12 to 25.18)    | 0.35 (0.24 to 0.58)             | 2.84 (1.88 to 4.37)       | 0.18 (0.12 to 0.28)             | −2.20 (−2.87 to −1.53) | 7.92 (6.02 to 11.13)     | 0.19 (0.14 to 0.26)             | 1.20 (0.90 to 1.66)      | 0.08 (0.06 to 0.11)             | −2.77 (−3.30 to −2.24) |
| Romania                          | 29.20 (14.33 to 57.59)    | 0.17 (0.08 to 0.33)             | 9.36 (4.79 to 17.67)      | 0.10 (0.05 to 0.19)             | −2.22 (−2.79 to −1.64) | 13.09 (7.39 to 23.09)    | 0.07 (0.04 to 0.13)             | 1.28 (0.76 to 2.12)      | 0.01 (0.01 to 0.02)             | −5.94 (−6.34 to −5.54) |
| Russian Federation               | 193.42 (162.68 to 233.73) | 0.17 (0.14 to 0.20)             | 76.92 (64.02 to 92.44)    | 0.10 (0.08 to 0.12)             | −2.58 (−3.14 to −2.02) | 92.36 (83.98 to 102.54)  | 0.08 (0.07 to 0.09)             | 22.72 (20.12 to 25.43)   | 0.03 (0.03 to 0.03)             | −4.49 (−5.05 to −3.93) |
| Rwanda                           | 56.11 (27.21 to 106.30)   | 0.43 (0.21 to 0.81)             | 38.64 (15.77 to 80.30)    | 0.22 (0.09 to 0.46)             | −2.19 (−2.52 to −1.86) | 50.44 (24.58 to 98.15)   | 0.38 (0.19 to 0.75)             | 31.19 (13.37 to 63.22)   | 0.18 (0.08 to 0.36)             | −2.42 (−2.77 to −2.06) |
| Saint Kitts and Nevis            | 0.01 (0.01 to 0.01)       | 0.02 (0.02 to 0.03)             | 0.00 (0.00 to 0.01)       | 0.01 (0.01 to 0.02)             | −0.99 (−1.48 to −0.50) | 0.01 (0.01 to 0.01)      | 0.02 (0.01 to 0.02)             | 0.00 (0.00 to 0.00)      | 0.01 (0.01 to 0.01)             | −1.11 (−1.63 to −0.57) |
| Saint Lucia                      | 0.03 (0.02 to 0.04)       | 0.02 (0.01 to 0.03)             | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.02)             | −1.37 (−1.74 to −0.99) | 0.02 (0.02 to 0.03)      | 0.01 (0.01 to 0.02)             | 0.01 (0.00 to 0.01)      | 0.01 (0.01 to 0.01)             | −1.76 (−2.13 to −1.37) |
| Saint Vincent and the Grenadines | 0.28 (0.13 to 0.63)       | 0.21 (0.10 to 0.48)             | 0.03 (0.01 to 0.05)       | 0.03 (0.02 to 0.06)             | −5.54 (−7.00 to −4.06) | 0.17 (0.09 to 0.37)      | 0.13 (0.07 to 0.28)             | 0.01 (0.01 to 0.02)      | 0.02 (0.01 to 0.03)             | −6.44 (−7.53 to −5.34) |
| Samoa                            | 0.21 (0.10 to 0.43)       | 0.08 (0.04 to 0.17)             | 0.21 (0.08 to 0.56)       | 0.07 (0.03 to 0.19)             | −0.64 (−0.84 to −0.43) | 0.15 (0.08 to 0.30)      | 0.06 (0.03 to 0.12)             | 0.11 (0.04 to 0.27)      | 0.04 (0.01 to 0.09)             | −1.70 (−1.86 to −1.55) |
| San Marino                       | 0.01 (0.01 to 0.03)       | 0.12 (0.06 to 0.22)             | 0.01 (0.00 to 0.02)       | 0.08 (0.03 to 0.15)             | −1.14 (−1.26 to −1.03) | 0.00 (0.00 to 0.00)      | 0.02 (0.01 to 0.03)             | 0.00 (0.00 to 0.00)      | 0.01 (0.00 to 0.01)             | −2.43 (−2.52 to −2.34) |
| Sao Tome and Principe            | 0.39 (0.19 to 0.79)       | 0.19 (0.09 to 0.39)             | 0.35 (0.12 to 0.84)       | 0.14 (0.05 to 0.33)             | −0.88 (−1.90 to 0.16)  | 0.33 (0.15 to 0.71)      | 0.16 (0.07 to 0.35)             | 0.16 (0.06 to 0.38)      | 0.06 (0.02 to 0.15)             | −2.75 (−3.62 to −1.88) |
| Saudi Arabia                     | 24.58 (12.05 to 46.63)    | 0.10 (0.05 to 0.19)             | 13.88 (4.78 to 29.73)     | 0.06 (0.02 to 0.12)             | −1.83 (−2.56 to −1.10) | 16.67 (8.19 to 31.74)    | 0.07 (0.03 to 0.13)             | 3.53 (1.73 to 6.69)      | 0.01 (0.01 to 0.03)             | −5.18 (−5.48 to −4.87) |
| Senegal                          | 41.00 (20.70 to 77.55)    | 0.28 (0.14 to 0.54)             | 35.30 (16.31 to 75.14)    | 0.16 (0.07 to 0.33)             | −1.75 (−2.00 to −1.50) | 34.16 (16.86 to 68.00)   | 0.24 (0.11 to 0.48)             | 25.71 (12.47 to 53.52)   | 0.11 (0.06 to 0.24)             | −2.06 (−2.32 to −1.79) |
| Serbia                           | 6.05 (2.84 to 11.43)      | 0.09 (0.04 to 0.17)             | 1.35 (0.61 to 2.71)       | 0.04 (0.02 to 0.07)             | −2.97 (−3.34 to −2.61) | 3.11 (1.55 to 5.46)      | 0.04 (0.02 to 0.08)             | 0.29 (0.14 to 0.54)      | 0.01 (0.00 to 0.01)             | −6.20 (−6.65 to −5.75) |
| Seychelles                       | 0.02 (0.01 to 0.03)       | 0.02 (0.02 to 0.03)             | 0.01 (0.01 to 0.01)       | 0.01 (0.01 to 0.01)             | −1.30 (−1.98 to −0.61) | 0.01 (0.01 to 0.02)      | 0.02 (0.01 to 0.02)             | 0.01 (0.00 to 0.01)      | 0.01 (0.00 to 0.01)             | −1.62 (−2.30 to −0.93) |
| Sierra Leone                     | 36.88 (18.43 to 60.45)    | 0.46 (0.23 to 0.78)             | 26.23 (12.58 to 50.91)    | 0.19 (0.09 to 0.38)             | −3.11 (−3.35 to −2.87) | 28.23 (13.92 to 47.62)   | 0.36 (0.17 to 0.61)             | 20.05 (9.46 to 38.63)    | 0.15 (0.07 to 0.29)             | −3.04 (−3.26 to −2.82) |
| Singapore                        | 8.79 (6.35 to 11.23)      | 0.43 (0.31 to 0.55)             | 10.78 (6.64 to 14.74)     | 0.37 (0.23 to 0.51)             | 0.02 (−0.45 to 0.49)   | 1.23 (0.97 to 1.54)      | 0.06 (0.05 to 0.07)             | 0.33 (0.22 to 0.47)      | 0.01 (0.01 to 0.02)             | −4.79 (−5.22 to −4.36) |
| Slovakia                         | 2.20 (1.24 to 3.89)       | 0.05 (0.03 to 0.09)             | 2.11 (0.99 to 4.33)       | 0.07 (0.03 to 0.15)             | 1.66 (1.19 to 2.13)    | 1.07 (0.65 to 1.71)      | 0.03 (0.02 to 0.04)             | 0.32 (0.17 to 0.61)      | 0.01 (0.01 to 0.02)             | −2.69 (−2.87 to −2.51) |
| Slovenia                         | 0.87 (0.67 to 1.15)       | 0.07 (0.05 to 0.09)             | 1.04 (0.49 to 1.95)       | 0.10 (0.05 to 0.19)             | 2.10 (1.41 to 2.79)    | 0.28 (0.24 to 0.35)      | 0.02 (0.02 to 0.03)             | 0.06 (0.04 to 0.10)      | 0.01 (0.00 to 0.01)             | −4.14 (−4.49 to −3.79) |
| Solomon Islands                  | 0.20 (0.06 to 0.55)       | 0.03 (0.01 to 0.09)             | 0.28 (0.09 to 0.83)       | 0.03 (0.01 to 0.09)             | −0.50 (−0.98 to −0.01) | 0.17 (0.05 to 0.47)      | 0.03 (0.01 to 0.08)             | 0.22 (0.07 to 0.67)      | 0.02 (0.01 to 0.07)             | −0.49 (−1.00 to 0.02)  |
| Somalia                          | 61.29 (28.01 to 119.31)   | 0.41 (0.19 to 0.81)             | 94.71 (31.54 to 214.37)   | 0.23 (0.08 to 0.53)             | −1.34 (−1.78 to −0.90) | 53.93 (24.54 to 110.01)  | 0.36 (0.16 to 0.74)             | 84.25 (27.47 to 193.64)  | 0.21 (0.07 to 0.48)             | −1.28 (−1.38 to −0.84) |
| South Africa                     | 30.15 (16.59 to 49.15)    | 0.06 (0.03 to 0.10)             | 43.63 (19.97 to 78.47)    | 0.09 (0.04 to 0.16)             | 1.17 (0.54 to 1.81)    | 21.13 (11.77 to 33.07)   | 0.04 (0.02 to 0.07)             | 22.17 (11.41 to 35.93)   | 0.04 (0.02 to 0.07)             | −0.02 (−0.38 to 0.34)  |
| South Sudan                      | 38.19 (16.18 to 70.02)    | 0.38 (0.16 to 0.71)             | 50.22 (20.96 to 89.66)    | 0.33 (0.13 to 0.59)             | 0.00 (−0.41 to 0.42)   | 32.94 (13.93 to 61.48)   | 0.33 (0.14 to 0.63)             | 40.00 (17.12 to 71.97)   | 0.26 (0.11 to 0.48)             | −0.22 (−0.58 to 0.14)  |
| Spain                            | 53.76 (42.01 to 68.95)    | 0.25 (0.19 to 0.32)             | 62.45 (39.11 to 90.09)    | 0.32 (0.20 to 0.47)             | 1.01 (0.49 to 1.53)    | 6.71 (5.70 to 7.89)      | 0.03 (0.03 to 0.04)             | 3.35 (2.62 to 4.27)      | 0.02 (0.01 to 0.02)             | −1.68 (−1.89 to −1.47) |
| Sri Lanka                        | 6.32 (3.22 to 12.00)      | 0.03 (0.02 to 0.07)             | 7.66 (3.49 to 16.11)      | 0.05 (0.02 to 0.10)             | 2.27 (1.77 to 2.77)    | 3.83 (2.05 to 6.84)      | 0.02 (0.01 to 0.04)             | 1.48 (0.77 to 2.94)      | 0.01 (0.00 to 0.02)             | −2.12 (−2.61 to −1.63) |
| Sudan                            | 56.43 (29.00 to 94.29)    | 0.16 (0.08 to 0.27)             | 46.96 (28.36 to 77.60)    | 0.08 (0.05 to 0.14)             | −1.69 (−1.86 to −1.52) | 39.91 (20.48 to 66.60)   | 0.11 (0.06 to 0.19)             | 31.52 (19.50 to 51.09)   | 0.06 (0.03 to 0.09)             | −1.87 (−2.04 to −1.70) |
| Suriname                         | 0.11 (0.07 to 0.16)       | 0.03 (0.02 to 0.04)             | 0.09 (0.06 to 0.13)       | 0.02 (0.01 to 0.03)             | −1.18 (−1.40 to −0.95) | 0.08 (0.05 to 0.11)      | 0.02 (0.01 to 0.03)             | 0.06 (0.04 to 0.09)      | 0.01 (0.01 to 0.02)             | −1.28 (−1.51 to −1.04) |
| Sweden                           | 3.50 (2.94 to 4.23)       | 0.06 (0.05 to 0.07)             | 2.68 (1.98 to 3.67)       | 0.05 (0.03 to 0.06)             | 0.87 (−0.66 to 2.43)   | 0.93 (0.80 to 1.07)      | 0.02 (0.01 to 0.02)             | 0.52 (0.41 to 0.66)      | 0.01 (0.01 to 0.01)             | −0.98 (−1.93 to −0.03) |
| Switzerland                      | 12.75 (9.43 to 17.30)     | 0.32 (0.24 to 0.44)             | 17.26 (10.49 to 23.70)    | 0.39 (0.23 to 0.53)             | 0.37 (0.09 to 0.66)    | 1.09 (0.91 to 1.31)      | 0.03 (0.02 to 0.03)             | 0.49 (0.36 to 0.67)      | 0.01 (0.01 to 0.02)             | −2.92 (−3.21 to −2.62) |
| Syrian Arab Republic             | 18.79 (12.06 to 25.41)    | 0.09 (0.06 to 0.12)             | 5.01 (2.40 to 7.71)       | 0.05 (0.02 to 0.08)             | −1.66 (−2.72 to −0.58) | 13.17 (8.49 to 17.79)    | 0.06 (0.04 to 0.08)             | 2.85 (1.43 to 4.35)      | 0.03 (0.01 to 0.04)             | −2.44 (−3.47 to −1.40) |
| Taiwan (Province of China)       | 15.96 (13.44 to 19.18)    | 0.10 (0.08 to 0.11)             | 17.92 (11.86 to 27.54)    | 0.20 (0.13 to 0.31)             | 4.45 (3.28 to 5.64)    | 7.45 (6.52 to 8.59)      | 0.04 (0.04 to 0.05)             | 2.37 (1.85 to 3.07)      | 0.03 (0.02 to 0.03)             | −0.00 (−1.04 to 1.04)  |
| Tajikistan                       | 9.26 (3.69 to 16.21)      | 0.10 (0.04 to 0.18)             | 9.00 (3.79 to 19.05)      | 0.07 (0.03 to 0.14)             | −1.41 (−1.68 to −1.13) | 6.44 (2.53 to 11.06)     | 0.07 (0.03 to 0.12)             | 5.58 (2.48 to 11.67)     | 0.04 (0.02 to 0.09)             | −1.83 (−2.05 to −1.61) |
| Thailand                         | 123.50 (82.98 to 177.86)  | 0.23 (0.16 to 0.33)             | 31.35 (18.90 to 53.69)    | 0.11 (0.07 to 0.18)             | −2.67 (−2.98 to −2.35) | 79.57 (55.52 to 112.16)  | 0.15 (0.10 to 0.21)             | 11.21 (7.61 to 16.71)    | 0.04 (0.03 to 0.06)             | −4.91 (−5.31 to −4.51) |
| Timor-Leste                      | 1.29 (0.28 to 2.44)       | 0.09 (0.02 to 0.18)             | 0.84 (0.32 to 1.69)       | 0.05 (0.02 to 0.09)             | −2.56 (−2.98 to −2.15) | 0.96 (0.22 to 1.84)      | 0.07 (0.02 to 0.14)             | 0.59 (0.23 to 1.17)      | 0.03 (0.01 to 0.06)             | −2.84 (−3.19 to −2.48) |
| Togo                             | 12.58 (6.42 to 24.42)     | 0.18 (0.09 to 0.36)             | 13.91 (6.00 to 32.51)     | 0.12 (0.05 to 0.28)             | −1.53 (−1.68 to −1.37) | 10.70 (5.34 to 22.01)    | 0.16 (0.08 to 0.33)             | 10.49 (4.62 to 23.50)    | 0.09 (0.04 to 0.20)             | −1.83 (−1.96 to −1.70) |
| Tokelau                          | 0.00 (0.00 to 0.00)       | 0.02 (0.01 to 0.06)             | 0.01 (0.00 to 0.04)       | 1.20 (0.26 to 3.90)             | 4.68 (1.35 to 8.12)    | 0.00 (0.00 to 0.00)      | 0.02 (0.01 to 0.05)             | 0.00 (0.00 to 0.01)      | 0.38 (0.08 to 1.26)             | 2.40 (−0.55 to 5.43)   |
| Tonga                            | 0.14 (0.06 to 0.30)       | 0.09 (0.04 to 0.20)             | 0.13 (0.05 to 0.35)       | 0.09 (0.04 to 0.25)             | −0.20 (−0.66 to 0.26)  | 0.09 (0.04 to 0.20)      | 0.06 (0.03 to 0.13)             | 0.07 (0.03 to 0.18)      | 0.05 (0.02 to 0.13)             | −0.78 (−1.28 to −0.28) |
| Trinidad and Tobago              | 0.96 (0.50 to 1.88)       | 0.07 (0.04 to 0.14)             | 0.87 (0.38 to 1.75)       | 0.11 (0.05 to 0.21)             | 2.58 (1.47 to 3.69)    | 0.59 (0.33 to 1.11)      | 0.04 (0.02 to 0.08)             | 0.25 (0.12 to 0.47)      | 0.03 (0.01 to 0.06)             | −0.46 (−1.38 to 0.46)  |
| Tunisia                          | 15.13 (8.34 to 27.05)     | 0.14 (0.08 to 0.25)             | 12.23 (6.24 to 21.96)     | 0.14 (0.07 to 0.24)             | −0.01 (−0.17 to 0.14)  | 7.48 (4.38 to 12.32)     | 0.07 (0.04 to 0.12)             | 2.22 (1.25 to 3.72)      | 0.02 (0.01 to 0.04)             | −3.28 (−3.34 to −3.21) |
| Turkey                           | 53.28 (32.25 to 87.16)    | 0.08 (0.05 to 0.13)             | 57.18 (33.72 to 98.65)    | 0.10 (0.06 to 0.18)             | 1.26 (0.99 to 1.53)    | 35.93 (22.52 to 57.69)   | 0.05 (0.03 to 0.08)             | 10.55 (6.71 to 17.22)    | 0.02 (0.01 to 0.03)             | −3.21 (−3.47 to −2.96) |
| Turkmenistan                     | 8.48 (6.67 to 11.15)      | 0.15 (0.12 to 0.19)             | 3.17 (1.76 to 6.29)       | 0.06 (0.03 to 0.12)             | −2.93 (−3.31 to −2.55) | 5.79 (4.54 to 7.46)      | 0.10 (0.08 to 0.13)             | 1.64 (1.06 to 2.72)      | 0.03 (0.02 to 0.05)             | −3.90 (−4.23 to −3.56) |
| Tuvalu                           | 0.01 (0.00 to 0.02)       | 0.05 (0.02 to 0.10)             | 0.00 (0.00 to 0.01)       | 0.03 (0.01 to 0.09)             | −0.90 (−1.13 to −0.68) | 0.01 (0.00 to 0.01)      | 0.04 (0.01 to 0.09)             | 0.00 (0.00 to 0.01)      | 0.02 (0.01 to 0.05)             | −1.83 (−2.10 to −1.56) |
| Uganda                           | 165.71 (91.72 to 273.37)  | 0.47 (0.26 to 0.78)             | 241.49 (112.92 to 508.75) | 0.33 (0.16 to 0.70)             | −0.83 (−1.05 to −0.61) | 137.42 (74.15 to 226.78) | 0.39 (0.21 to 0.65)             | 183.16 (88.75 to 368.51) | 0.25 (0.12 to 0.51)             | −1.08 (−1.31 to −0.84) |
| Ukraine                          | 41.99 (28.43 to 64.17)    | 0.11 (0.08 to 0.17)             | 14.37 (8.52 to 22.83)     | 0.08 (0.05 to 0.13)             | −0.48 (−0.96 to 0.01)  | 19.50 (14.51 to 26.92)   | 0.05 (0.04 to 0.07)             | 3.98 (2.72 to 5.60)      | 0.02 (0.02 to 0.03)             | −2.46 (−2.99 to −1.92) |
| United Arab Emirates             | 0.97 (0.48 to 1.80)       | 0.04 (0.02 to 0.08)             | 1.83 (0.95 to 3.28)       | 0.04 (0.02 to 0.07)             | 1.07 (0.53 to 1.61)    | 0.64 (0.33 to 1.17)      | 0.03 (0.01 to 0.05)             | 0.70 (0.42 to 1.14)      | 0.02 (0.01 to 0.03)             | −1.17 (−1.53 to −0.80) |
| United Kingdom                   | 18.96 (17.26 to 20.83)    | 0.05 (0.05 to 0.05)             | 45.89 (39.14 to 52.75)    | 0.13 (0.11 to 0.14)             | 3.04 (2.59 to 3.50)    | 4.88 (4.67 to 5.10)      | 0.01 (0.01 to 0.01)             | 6.66 (5.97 to 7.34)      | 0.02 (0.02 to 0.02)             | 2.13 (1.82 to 2.44)    |
| United Republic of Tanzania      | 200.17 (100.25 to 365.31) | 0.42 (0.21 to 0.78)             | 277.13 (120.66 to 575.33) | 0.32 (0.14 to 0.66)             | −0.53 (−0.76 to −0.30) | 174.34 (85.15 to 329.04) | 0.37 (0.18 to 0.71)             | 211.79 (96.86 to 415.10) | 0.24 (0.11 to 0.47)             | −0.86 (−1.11 to −0.61) |
| United States of America         | 507.75 (436.16 to 584.32) | 0.26 (0.22 to 0.30)             | 374.69 (289.09 to 485.83) | 0.20 (0.15 to 0.26)             | −0.21 (−0.55 to 0.12)  | 48.37 (46.16 to 50.67)   | 0.02 (0.02 to 0.03)             | 45.18 (39.72 to 51.03)   | 0.02 (0.02 to 0.03)             | 0.35 (0.18 to 0.52)    |
| United States Virgin Islands     | 0.10 (0.03 to 0.22)       | 0.09 (0.03 to 0.21)             | 0.02 (0.01 to 0.05)       | 0.06 (0.02 to 0.14)             | −1.45 (−1.91 to −1.00) | 0.04 (0.02 to 0.08)      | 0.04 (0.01 to 0.08)             | 0.00 (0.00 to 0.01)      | 0.01 (0.00 to 0.03)             | −3.33 (−3.69 to −2.98) |
| Uruguay                          | 4.47 (2.29 to 7.87)       | 0.16 (0.08 to 0.29)             | 3.21 (1.83 to 5.32)       | 0.16 (0.09 to 0.25)             | −0.33 (−0.64 to −0.0   |                          |                                 |                          |                                 |                        |

**Table S3** Prevalence and DALYs of hepatoblastoma, retinoblastoma and two cancers together in 1990 and 2021, and estimated annual percentage changes from 1990 to 2021, by country

| Location                              | Prevalence                     |                                 |                              |                                 |                        | DALYs                              |                                 |                                 |                                 |                        |
|---------------------------------------|--------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------|------------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|
|                                       | Number of cases, 1990          | ASR per 100000 population, 1990 | Number of cases, 2021        | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                        | ASR per 100000 population, 1990 | Count, 2021                     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Hepatoblastoma                        |                                |                                 |                              |                                 |                        |                                    |                                 |                                 |                                 |                        |
| Afghanistan                           | 264.86 (53.67 to 555.34)       | 1.50 (0.30 to 3.20)             | 413.80 (113.57 to 668.76)    | 0.75 (0.20 to 1.23)             | −1.55 (−1.95 to −1.15) | 2172.71 (723.08 to 3857.45)        | 12.46 (4.14 to 22.31)           | 3195.24 (2093.25 to 4824.23)    | 5.85 (3.80 to 8.85)             | −1.82 (−2.18 to −1.46) |
| Albania                               | 101.70 (57.51 to 153.73)       | 2.56 (1.44 to 3.87)             | 16.56 (9.88 to 27.73)        | 1.17 (0.70 to 1.96)             | −2.71 (−3.30 to −2.12) | 728.07 (484.90 to 1045.28)         | 18.39 (12.24 to 26.40)          | 69.61 (41.66 to 115.56)         | 4.87 (2.93 to 8.09)             | −4.67 (−5.08 to −4.25) |
| Algeria                               | 167.49 (64.86 to 255.53)       | 0.45 (0.18 to 0.69)             | 135.09 (82.70 to 214.58)     | 0.29 (0.18 to 0.47)             | −1.07 (−1.20 to −0.95) | 1237.30 (888.56 to 1788.69)        | 3.33 (2.39 to 4.81)             | 781.53 (480.07 to 1234.23)      | 1.70 (1.04 to 2.69)             | −1.86 (−1.99 to −1.73) |
| American Samoa                        | 0.05 (0.02 to 0.11)            | 0.07 (0.02 to 0.14)             | 0.04 (0.02 to 0.09)          | 0.12 (0.05 to 0.24)             | 1.79 (1.28 to 2.31)    | 0.39 (0.22 to 0.72)                | 0.51 (0.29 to 0.93)             | 0.29 (0.15 to 0.58)             | 0.78 (0.39 to 1.59)             | 1.56 (0.91 to 2.20)    |
| Andorra                               | 0.88 (0.35 to 1.55)            | 3.15 (1.27 to 5.54)             | 0.44 (0.25 to 0.73)          | 1.72 (0.98 to 2.87)             | −1.81 (−2.12 to −1.49) | 2.41 (1.02 to 4.22)                | 8.51 (3.60 to 14.88)            | 0.93 (0.55 to 1.46)             | 3.50 (2.04 to 5.60)             | −2.52 (−2.85 to −2.18) |
| Angola                                | 489.26 (66.65 to 1073.98)      | 2.58 (0.34 to 5.73)             | 385.14 (78.60 to 834.39)     | 0.69 (0.14 to 1.49)             | −4.41 (−4.62 to −4.20) | 4009.52 (1412.99 to 7665.62)       | 21.31 (7.54 to 41.05)           | 2899.27 (941.57 to 5967.14)     | 5.19 (1.69 to 10.67)            | −4.70 (−4.93 to −4.47) |
| Antigua and Barbuda                   | 0.07 (0.04 to 0.09)            | 0.11 (0.07 to 0.14)             | 0.06 (0.04 to 0.07)          | 0.11 (0.09 to 0.14)             | 0.06 (−0.19 to 0.31)   | 0.47 (0.37 to 0.59)                | 0.78 (0.61 to 0.98)             | 0.35 (0.29 to 0.42)             | 0.66 (0.55 to 0.80)             | −0.49 (−0.78 to −0.20) |
| Argentina                             | 19.43 (11.65 to 24.66)         | 0.06 (0.03 to 0.07)             | 22.40 (16.11 to 29.75)       | 0.07 (0.06 to 0.10)             | 1.31 (1.02 to 1.60)    | 141.02 (119.31 to 164.99)          | 0.41 (0.35 to 0.48)             | 143.75 (115.53 to 176.10)       | 0.46 (0.37 to 0.57)             | 0.78 (0.50 to 1.06)    |
| Armenia                               | 22.58 (15.30 to 29.88)         | 0.60 (0.41 to 0.80)             | 6.11 (4.11 to 8.34)          | 0.33 (0.23 to 0.45)             | −1.80 (−2.01 to −1.59) | 156.57 (125.87 to 198.44)          | 4.18 (3.36 to 5.30)             | 36.42 (27.70 to 48.97)          | 1.91 (1.44 to 2.58)             | −2.41 (−2.63 to −2.18) |
| Australia                             | 46.50 (40.08 to 52.78)         | 0.37 (0.32 to 0.42)             | 104.34 (78.72 to 133.72)     | 0.70 (0.53 to 0.90)             | 2.04 (1.69 to 2.40)    | 139.19 (122.69 to 157.11)          | 1.10 (0.97 to 1.24)             | 228.48 (179.58 to 286.13)       | 1.50 (1.18 to 1.89)             | 1.14 (0.86 to 1.42)    |
| Austria                               | 18.01 (15.37 to 21.17)         | 0.40 (0.34 to 0.47)             | 19.95 (15.17 to 26.32)       | 0.47 (0.36 to 0.62)             | 0.41 (0.13 to 0.68)    | 66.86 (57.47 to 77.49)             | 1.48 (1.28 to 1.72)             | 43.26 (33.23 to 56.14)          | 1.01 (0.77 to 1.31)             | −1.11 (−1.34 to −0.83) |
| Azerbaijan                            | 66.32 (22.91 to 127.73)        | 0.75 (0.26 to 1.44)             | 38.61 (18.53 to 71.28)       | 0.53 (0.26 to 0.98)             | −1.36 (−1.57 to −1.15) | 497.76 (251.70 to 875.20)          | 5.67 (2.89 to 9.93)             | 274.55 (151.97 to 483.83)       | 3.67 (1.99 to 6.53)             | −1.80 (−2.06 to −1.55) |
| Bahamas                               | 0.46 (0.25 to 0.62)            | 0.17 (0.10 to 0.23)             | 0.23 (0.14 to 0.35)          | 0.11 (0.07 to 0.16)             | −1.69 (−1.96 to −1.41) | 3.43 (2.77 to 4.18)                | 1.30 (1.05 to 1.59)             | 1.66 (1.22 to 2.29)             | 0.76 (0.55 to 1.05)             | −2.17 (−2.51 to −1.83) |
| Bahrain                               | 1.79 (1.06 to 2.54)            | 0.29 (0.17 to 0.41)             | 1.95 (1.25 to 2.77)          | 0.21 (0.14 to 0.30)             | −0.70 (−1.57 to 0.16)  | 12.89 (9.43 to 17.52)              | 2.09 (1.53 to 2.85)             | 8.51 (5.60 to 11.79)            | 0.91 (0.60 to 1.27)             | −2.56 (−3.21 to −1.90) |
| Bangladesh                            | 1349.64 (271.88 to 2584.19)    | 0.72 (0.14 to 1.38)             | 455.10 (250.12 to 693.60)    | 0.32 (0.18 to 0.48)             | −2.40 (−2.51 to −2.29) | 11121.61 (4216.50 to 18594.89)     | 5.94 (2.24 to 9.95)             | 3288.19 (2177.07 to 4688.55)    | 2.27 (1.49 to 3.19)             | −2.89 (−3.01 to −2.78) |
| Barbados                              | 0.22 (0.13 to 0.29)            | 0.11 (0.07 to 0.15)             | 0.11 (0.07 to 0.16)          | 0.08 (0.06 to 0.12)             | −0.83 (−1.23 to −0.43) | 1.61 (1.29 to 1.96)                | 0.80 (0.64 to 0.96)             | 0.71 (0.52 to 1.01)             | 0.51 (0.37 to 0.73)             | −1.24 (−1.65 to −0.81) |
| Belarus                               | 14.68 (10.65 to 19.74)         | 0.19 (0.14 to 0.26)             | 34.01 (20.80 to 52.39)       | 0.74 (0.45 to 1.14)             | 5.45 (4.65 to 6.26)    | 93.17 (72.51 to 121.51)            | 1.20 (0.93 to 1.56)             | 127.54 (81.67 to 188.71)        | 2.64 (1.67 to 3.97)             | 3.38 (2.50 to 4.27)    |
| Belgium                               | 19.88 (16.92 to 23.32)         | 0.33 (0.28 to 0.39)             | 21.45 (16.28 to 28.00)       | 0.37 (0.28 to 0.48)             | 0.39 (0.04 to 0.74)    | 71.37 (60.63 to 83.39)             | 1.18 (1.00 to 1.38)             | 46.98 (35.58 to 61.66)          | 0.79 (0.60 to 1.03)             | −1.11 (−1.49 to −0.73) |
| Belize                                | 0.91 (0.43 to 1.21)            | 0.31 (0.14 to 0.41)             | 0.41 (0.27 to 0.55)          | 0.11 (0.07 to 0.14)             | −3.55 (−3.78 to −3.32) | 6.71 (5.57 to 8.30)                | 2.27 (1.89 to 2.81)             | 2.93 (2.37 to 3.64)             | 0.76 (0.61 to 0.95)             | −3.74 (−3.96 to −3.52) |
| Benin                                 | 229.63 (40.44 to 395.33)       | 2.26 (0.40 to 3.86)             | 282.07 (74.23 to 488.37)     | 1.18 (0.31 to 2.05)             | −2.10 (−2.37 to −1.82) | 1818.52 (1145.23 to 2845.20)       | 17.94 (11.26 to 28.04)          | 2086.02 (1171.62 to 3362.19)    | 8.75 (4.91 to 14.23)            | −2.31 (−2.59 to −2.03) |
| Bermuda                               | 0.05 (0.04 to 0.07)            | 0.13 (0.09 to 0.17)             | 0.03 (0.02 to 0.04)          | 0.11 (0.08 to 0.15)             | 0.35 (−0.07 to 0.77)   | 0.34 (0.25 to 0.43)                | 0.79 (0.59 to 1.01)             | 0.08 (0.05 to 0.10)             | 0.29 (0.21 to 0.39)             | −2.69 (−3.13 to −2.26) |
| Bhutan                                | 8.00 (1.46 to 16.49)           | 0.84 (0.15 to 1.73)             | 4.46 (1.92 to 8.27)          | 0.73 (0.32 to 1.36)             | −0.85 (−1.30 to −0.39) | 64.26 (27.05 to 117.97)            | 6.73 (2.80 to 12.49)            | 30.88 (14.70 to 53.83)          | 5.07 (2.41 to 8.83)             | −1.36 (−1.82 to −0.90) |
| Bolivia (Plurinational State of)      | 88.22 (17.07 to 164.14)        | 0.87 (0.17 to 1.61)             | 42.48 (18.48 to 73.59)       | 0.36 (0.16 to 0.62)             | −2.94 (−3.09 to −2.79) | 719.13 (359.38 to 1151.37)         | 7.16 (3.56 to 11.41)            | 313.37 (198.56 to 510.39)       | 2.63 (1.67 to 4.29)             | −3.33 (−3.49 to −3.17) |
| Bosnia and Herzegovina                | 11.40 (6.50 to 16.93)          | 0.32 (0.19 to 0.47)             | 2.25 (1.47 to 3.29)          | 0.15 (0.10 to 0.22)             | −3.47 (−4.29 to −2.65) | 85.91 (61.41 to 116.50)            | 2.39 (1.70 to 3.24)             | 10.88 (7.65 to 14.87)           | 0.71 (0.49 to 0.97)             | −5.11 (−5.96 to −4.26) |
| Botswana                              | 3.29 (0.66 to 6.41)            | 0.16 (0.03 to 0.30)             | 6.77 (2.25 to 13.67)         | 0.29 (0.10 to 0.58)             | 2.22 (1.97 to 2.47)    | 27.31 (14.06 to 49.18)             | 1.29 (0.67 to 2.34)             | 52.09 (28.34 to 98.53)          | 2.21 (1.20 to 4.17)             | 1.86 (1.67 to 2.06)    |
| Brazil                                | 598.27 (193.80 to 791.12)      | 0.37 (0.12 to 0.48)             | 312.26 (214.03 to 407.42)    | 0.19 (0.13 to 0.25)             | −1.73 (−2.05 to −1.40) | 4586.17 (3956.70 to 5424.53)       | 2.79 (2.41 to 3.30)             | 2095.50 (1615.84 to 2587.50)    | 1.28 (0.98 to 1.57)             | −2.06 (−2.41 to −1.71) |
| Brunei Darussalam                     | 1.03 (0.54 to 1.64)            | 0.30 (0.16 to 0.49)             | 0.78 (0.50 to 1.20)          | 0.25 (0.16 to 0.39)             | −0.34 (−0.50 to −0.18) | 7.52 (5.04 to 11.07)               | 2.24 (1.50 to 3.30)             | 4.85 (3.15 to 7.48)             | 1.56 (1.02 to 2.41)             | −0.91 (−1.08 to −0.74) |
| Bulgaria                              | 31.50 (20.99 to 42.15)         | 0.59 (0.40 to 0.79)             | 4.15 (2.80 to 5.82)          | 0.14 (0.09 to 0.19)             | −4.81 (−5.21 to −4.41) | 211.87 (160.88 to 273.41)          | 3.92 (2.97 to 5.05)             | 23.00 (16.50 to 31.49)          | 0.74 (0.53 to 1.02)             | −5.39 (−5.74 to −5.05) |
| Burkina Faso                          | 487.66 (88.30 to 906.94)       | 2.50 (0.46 to 4.67)             | 715.24 (173.35 to 1288.51)   | 1.68 (0.40 to 3.03)             | −1.09 (−1.31 to −0.88) | 3798.36 (2277.13 to 6378.93)       | 19.56 (11.65 to 32.58)          | 5297.97 (2608.77 to 9094.80)    | 12.46 (6.12 to 21.31)           | −1.27 (−1.47 to −1.06) |
| Burundi                               | 98.62 (17.66 to 200.75)        | 0.93 (0.17 to 1.92)             | 62.21 (10.89 to 161.27)      | 0.29 (0.05 to 0.75)             | −3.00 (−3.39 to −2.62) | 814.50 (447.39 to 1484.25)         | 7.71 (4.12 to 14.22)            | 504.07 (202.16 to 1135.69)      | 2.36 (0.95 to 5.31)             | −3.12 (−3.49 to −2.75) |
| Cabo Verde                            | 4.77 (1.49 to 7.86)            | 0.80 (0.25 to 1.32)             | 1.32 (0.80 to 2.13)          | 0.31 (0.19 to 0.51)             | −3.77 (−4.17 to −3.37) | 34.24 (15.89 to 53.05)             | 5.74 (2.66 to 8.90)             | 8.49 (5.28 to 13.43)            | 2.00 (1.24 to 3.18)             | −4.19 (−4.61 to −3.78) |
| Cambodia                              | 194.98 (38.22 to 375.80)       | 1.07 (0.21 to 2.07)             | 59.57 (26.75 to 119.22)      | 0.34 (0.15 to 0.68)             | −4.18 (−4.39 to −3.96) | 1602.10 (842.53 to 2789.26)        | 8.88 (4.70 to 15.51)            | 439.80 (229.75 to 832.05)       | 2.52 (1.32 to 4.77)             | −4.58 (−4.80 to −4.36) |
| Cameroon                              | 279.30 (60.85 to 499.76)       | 1.35 (0.30 to 2.45)             | 372.40 (104.04 to 780.23)    | 0.76 (0.21 to 1.60)             | −1.73 (−1.88 to −1.57) | 2191.33 (1133.41 to 3480.79)       | 10.65 (5.41 to 17.05)           | 2738.07 (1050.07 to 5393.57)    | 5.61 (2.15 to 11.07)            | −1.93 (−2.09 to −1.78) |
| Canada                                | 80.37 (69.57 to 91.69)         | 0.42 (0.36 to 0.47)             | 147.25 (117.39 to 181.87)    | 0.78 (0.62 to 0.97)             | 2.77 (2.39 to 3.15)    | 212.08 (189.21 to 237.19)          | 1.09 (0.97 to 1.22)             | 322.08 (263.49 to 390.99)       | 1.67 (1.36 to 2.04)             | 2.16 (1.80 to 2.52)    |
| Central African Republic              | 71.51 (11.64 to 133.48)        | 1.43 (0.23 to 2.69)             | 53.30 (9.09 to 111.29)       | 0.64 (0.11 to 1.33)             | −2.98 (−3.14 to −2.82) | 604.06 (327.15 to 979.43)          | 12.16 (6.45 to 19.84)           | 441.53 (218.17 to 797.73)       | 5.30 (2.58 to 9.53)             | −3.07 (−3.23 to −2.90) |
| Chad                                  | 179.53 (32.53 to 331.36)       | 1.40 (0.25 to 2.61)             | 384.92 (86.84 to 674.61)     | 1.03 (0.23 to 1.83)             | −0.97 (−1.16 to −0.78) | 1442.38 (879.70 to 2295.43)        | 11.30 (6.77 to 18.19)           | 2979.56 (1758.59 to 4641.86)    | 7.98 (4.67 to 12.53)            | −1.09 (−1.29 to −0.89) |
| Chile                                 | 7.96 (4.86 to 11.01)           | 0.06 (0.03 to 0.08)             | 8.86 (6.53 to 11.64)         | 0.08 (0.06 to 0.11)             | 2.46 (2.04 to 2.89)    | 56.95 (44.75 to 74.21)             | 0.40 (0.31 to 0.52)             | 37.33 (28.58 to 47.70)          | 0.33 (0.25 to 0.42)             | 0.34 (−0.05 to 0.74)   |
| China                                 | 18195.03 (7147.52 to 24358.62) | 1.65 (0.65 to 2.21)             | 4831.03 (3359.42 to 6845.47) | 0.69 (0.49 to 0.99)             | −3.56 (−4.03 to −3.08) | 138716.34 (115370.16 to 169802.21) | 12.60 (10.48 to 15.42)          | 18978.14 (13613.89 to 26640.62) | 2.56 (1.83 to 3.63)             | −5.93 (−6.49 to −5.37) |
| Colombia                              | 176.30 (73.37 to 231.04)       | 0.42 (0.17 to 0.55)             | 87.22 (56.51 to 128.37)      | 0.25 (0.16 to 0.37)             | −0.90 (−1.37 to −0.42) | 1341.25 (1131.90 to 1593.83)       | 3.21 (2.71 to 3.82)             | 521.86 (371.96 to 717.53)       | 1.50 (1.07 to 2.06)             | −1.76 (−2.24 to −1.27) |
| Comoros                               | 7.60 (1.55 to 13.30)           | 0.91 (0.19 to 1.63)             | 4.74 (1.23 to 8.69)          | 0.58 (0.15 to 1.07)             | −1.51 (−1.75 to −1.27) | 60.87 (32.49 to 96.43)             | 7.36 (3.90 to 11.74)            | 36.30 (20.88 to 62.40)          | 4.46 (2.57 to 7.67)             | −1.67 (−1.91 to −1.44) |
| Congo                                 | 51.16 (9.29 to 97.47)          | 1.30 (0.24 to 2.50)             | 24.14 (6.71 to 55.57)        | 0.38 (0.11 to 0.88)             | −4.43 (−4.67 to −4.19) | 414.71 (212.38 to 720.30)          | 10.59 (5.40 to 18.42)           | 185.83 (71.52 to 405.08)        | 2.92 (1.12 to 6.38)             | −4.63 (−4.87 to −4.38) |
| Cook Islands                          | 0.05 (0.02 to 0.08)            | 0.21 (0.11 to 0.37)             | 0.01 (0.00 to 0.02)          | 0.08 (0.04 to 0.18)             | −4.02 (−5.00 to −3.04) | 0.32 (0.18 to 0.55)                | 1.45 (0.83 to 2.48)             | 0.05 (0.02 to 0.10)             | 0.40 (0.20 to 0.89)             | −4.96 (−5.90 to −4.02) |
| Costa Rica                            | 22.50 (17.18 to 27.00)         | 0.56 (0.43 to 0.68)             | 11.34 (8.35 to 14.85)        | 0.37 (0.28 to 0.49)             | −1.41 (−1.92 to −0.89) | 147.00 (107.44 to 169.08)          | 3.68 (3.22 to 4.23)             | 60.53 (47.73 to 76.76)          | 1.94 (1.52 to 2.46)             | −2.10 (−2.57 to −1.64) |
| Côte d'Ivoire                         | 403.32 (75.86 to 723.07)       | 1.70 (0.32 to 3.02)             | 324.39 (90.92 to 585.12)     | 0.74 (0.21 to 1.35)             | −2.76 (−3.01 to −2.50) | 3179.57 (1770.44 to 5284.36)       | 13.47 (7.55 to 22.31)           | 2411.12 (1440.55 to 4038.14)    | 5.53 (3.31 to 9.31)             | −2.92 (−3.18 to −2.67) |
| Croatia                               | 6.92 (4.77 to 9.55)            | 0.23 (0.16 to 0.31)             | 1.96 (1.32 to 2.93)          | 0.11 (0.07 to 0.16)             | −1.82 (−2.47 to −1.16) | 38.88 (28.53 to 51.41)             | 1.26 (0.92 to 1.67)             | 4.99 (3.44 to 7.43)             | 0.27 (0.18 to 0.40)             | −4.68 (−5.30 to −4.05) |
| Cuba                                  | 10.60 (7.61 to 13.82)          | 0.12 (0.09 to 0.16)             | 4.39 (3.09 to 5.95)          | 0.08 (0.06 to 0.11)             | −1.68 (−2.19 to −1.17) | 71.76 (60.56 to 87.29)             | 0.82 (0.70 to 1.00)             | 22.26 (16.59 to 28.78)          | 0.40 (0.30 to 0.52)             | −2.66 (−3.15 to −2.16) |
| Cyprus                                | 1.51 (0.91 to 2.38)            | 0.23 (0.14 to 0.37)             | 1.47 (0.84 to 2.43)          | 0.20 (0.11 to 0.33)             | −0.02 (−0.45 to 0.41)  | 8.03 (5.02 to 12.63)               | 1.22 (0.76 to 1.92)             | 3.39 (2.09 to 5.31)             | 0.45 (0.28 to 0.71)             | −2.98 (−3.10 to −2.85) |
| Czechia                               | 18.22 (13.96 to 22.90)         | 0.28 (0.22 to 0.35)             | 4.67 (3.12 to 6.78)          | 0.08 (0.06 to 0.12)             | −4.11 (−4.65 to −3.57) | 110.07 (91.84 to 133.00)           | 1.67 (1.40 to 2.03)             | 13.34 (9.49 to 18.16)           | 0.24 (0.17 to 0.32)             | −6.45 (−6.88 to −6.01) |
| Democratic People's Republic of Korea | 292.18 (95.69 to 600.90)       | 1.23 (0.40 to 2.52)             | 53.63 (25.02 to 118.83)      | 0.36 (0.17 to 0.79)             | −3.85 (−4.14 to −3.56) | 2123.45 (1006.82 to 4300.02)       | 9.07 (4.31 to 18.15)            | 354.08 (174.56 to 787.10)       | 2.34 (1.15 to 5.22)             | −4.23 (−4.54 to −3.91) |
| Democratic Republic of the Congo      | 518.44 (102.46 to 1147.69)     | 0.71 (0.14 to 1.58)             | 294.15 (62.28 to 652.17)     | 0.22 (0.05 to 0.48)             | −1.41 (−3.75 to −3.29) | 4237.53 (1770.24 to 8296.30)       | 5.84 (2.43 to 11.58)            | 2325.15 (1164.09 to 4986.27)    | 1.73 (0.86 to 3.70)             | −3.65 (−3.89 to −3.42) |
| Denmark                               | 5.54 (4.73 to 6.38)            | 0.19 (0.16 to 0.22)             | 3.99 (3.01 to 5.10)          | 0.13 (0.10 to 0.17)             | −0.68 (−1.08 to −0.28) | 22.98 (20.27 to 26.21)             | 0.78 (0.69 to 0.89)             | 8.89 (6.83 to 11.06)            | 0.29 (0.22 to 0.36)             | −2.94 (−3.12 to −2.76) |
| Djibouti                              | 5.04 (0.99 to 10.00)           | 0.78 (0.15 to 1.53)             | 7.11 (1.86 to 15.77)         | 0.49 (0.13 to 1.09)             | −1.20 (−1.63 to −0.78) | 40.11 (22.97 to 75.62)             | 6.22 (3.57 to 1                 |                                 |                                 |                        |

Table S3 (continued)

| Location                         | Prevalence                   |                                 |                              |                                 |                        | DALYs                           |                                 |                                 |                                 |                        |
|----------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|
|                                  | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021        | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                     | ASR per 100000 population, 1990 | Count, 2021                     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Haiti                            | 31.84 (5.56 to 73.40)        | 0.30 (0.05 to 0.68)             | 28.16 (5.62 to 56.20)        | 0.18 (0.04 to 0.36)             | −1.39 (−1.60 to −1.18) | 276.58 (102.49 to 549.07)       | 2.62 (0.96 to 5.23)             | 235.17 (117.12 to 445.53)       | 1.50 (0.75 to 2.84)             | −1.55 (−1.75 to −1.35) |
| Honduras                         | 33.50 (6.38 to 56.01)        | 0.41 (0.08 to 0.69)             | 17.23 (6.51 to 31.89)        | 0.16 (0.06 to 0.29)             | −3.26 (−3.45 to −3.07) | 284.28 (194.66 to 407.92)       | 3.50 (2.39 to 5.06)             | 133.61 (76.56 to 224.54)        | 1.22 (0.70 to 2.05)             | −3.63 (−3.86 to −3.40) |
| Hungary                          | 11.79 (8.88 to 15.12)        | 0.19 (0.14 to 0.24)             | 4.29 (3.07 to 5.66)          | 0.09 (0.07 to 0.13)             | −2.23 (−2.74 to −1.72) | 77.90 (63.55 to 95.49)          | 1.24 (1.01 to 1.51)             | 13.80 (10.16 to 17.98)          | 0.30 (0.22 to 0.39)             | −4.52 (−5.09 to −3.96) |
| Iceland                          | 0.66 (0.53 to 0.80)          | 0.30 (0.24 to 0.36)             | 0.68 (0.50 to 0.93)          | 0.31 (0.23 to 0.42)             | −0.36 (−0.61 to −0.11) | 1.80 (1.51 to 2.14)             | 0.82 (0.68 to 0.97)             | 1.49 (1.18 to 1.95)             | 0.67 (0.53 to 0.88)             | −0.90 (−1.10 to −0.69) |
| India                            | 5767.21 (1381.61 to 9018.21) | 0.50 (0.12 to 0.78)             | 3334.09 (1390.98 to 5057.14) | 0.30 (0.13 to 0.46)             | −1.65 (−1.73 to −1.58) | 46934.73 (29542.26 to 63361.40) | 4.04 (2.54 to 5.45)             | 24241.12 (17522.34 to 33627.16) | 2.19 (1.58 to 3.03)             | −2.08 (−2.16 to −1.99) |
| Indonesia                        | 906.65 (192.72 to 1701.70)   | 0.41 (0.09 to 0.76)             | 557.74 (218.72 to 983.22)    | 0.25 (0.10 to 0.45)             | −1.41 (−1.58 to −1.23) | 7312.06 (2421.35 to 12374.78)   | 3.25 (1.07 to 5.51)             | 4077.14 (1868.08 to 7104.76)    | 1.85 (0.84 to 3.23)             | −1.70 (−1.85 to −1.56) |
| Iran (Islamic Republic of)       | 632.87 (302.31 to 892.01)    | 0.75 (0.37 to 1.05)             | 228.39 (133.96 to 379.05)    | 0.38 (0.23 to 0.63)             | −2.05 (−2.55 to −1.53) | 4770.71 (3560.39 to 6099.88)    | 5.61 (4.17 to 7.18)             | 1311.55 (911.32 to 2106.12)     | 2.05 (1.41 to 3.38)             | −2.97 (−3.46 to −2.47) |
| Iraq                             | 194.25 (81.82 to 296.23)     | 0.62 (0.26 to 0.95)             | 139.60 (81.43 to 226.21)     | 0.33 (0.19 to 0.52)             | −1.66 (−1.90 to −1.43) | 1514.09 (995.11 to 2089.80)     | 4.89 (3.23 to 6.79)             | 872.10 (540.55 to 1404.23)      | 2.01 (1.25 to 3.24)             | −2.40 (−2.63 to −2.17) |
| Ireland                          | 5.49 (4.54 to 6.48)          | 0.19 (0.16 to 0.23)             | 6.34 (4.72 to 7.98)          | 0.21 (0.16 to 0.27)             | 0.56 (0.03 to 1.09)    | 22.49 (19.36 to 26.13)          | 0.77 (0.66 to 0.89)             | 14.75 (11.64 to 17.94)          | 0.48 (0.38 to 0.59)             | −1.37 (−1.67 to −1.08) |
| Israel                           | 12.00 (9.97 to 14.15)        | 0.23 (0.19 to 0.28)             | 21.83 (16.96 to 27.41)       | 0.24 (0.19 to 0.30)             | 0.81 (0.36 to 1.26)    | 59.50 (50.86 to 68.85)          | 1.16 (0.99 to 1.34)             | 49.24 (38.79 to 60.82)          | 0.54 (0.43 to 0.67)             | −1.89 (−2.13 to −1.65) |
| Italy                            | 192.20 (176.66 to 206.77)    | 0.70 (0.64 to 0.75)             | 78.85 (61.67 to 94.95)       | 0.37 (0.29 to 0.45)             | −2.61 (−3.10 to −2.11) | 656.02 (622.45 to 693.85)       | 2.35 (2.23 to 2.49)             | 171.47 (140.55 to 203.47)       | 0.78 (0.63 to 0.93)             | −3.82 (−4.28 to −3.36) |
| Jamaica                          | 3.86 (2.31 to 5.38)          | 0.14 (0.08 to 0.19)             | 1.40 (0.88 to 1.99)          | 0.08 (0.05 to 0.11)             | −1.52 (−1.79 to −1.24) | 27.92 (20.31 to 36.14)          | 0.99 (0.72 to 1.29)             | 9.63 (6.91 to 13.05)            | 0.55 (0.39 to 0.74)             | −1.90 (−2.18 to −1.61) |
| Japan                            | 525.88 (481.90 to 561.53)    | 0.80 (0.74 to 0.86)             | 240.82 (208.96 to 268.62)    | 0.54 (0.47 to 0.60)             | −2.04 (−2.75 to −1.28) | 1732.71 (1667.01 to 1811.41)    | 2.58 (2.48 to 2.70)             | 524.20 (468.62 to 576.14)       | 1.14 (1.01 to 1.25)             | −3.22 (−3.75 to −2.68) |
| Jordan                           | 12.86 (5.93 to 22.47)        | 0.21 (0.10 to 0.37)             | 16.92 (10.87 to 26.75)       | 0.15 (0.10 to 0.25)             | −1.16 (−1.48 to −0.84) | 94.00 (58.30 to 157.24)         | 1.56 (0.96 to 2.63)             | 91.50 (61.12 to 143.68)         | 0.82 (0.54 to 1.29)             | −2.52 (−2.86 to −2.17) |
| Kazakhstan                       | 131.09 (80.74 to 164.15)     | 0.71 (0.44 to 0.89)             | 40.40 (29.29 to 53.23)       | 0.21 (0.15 to 0.27)             | −4.39 (−4.70 to −4.08) | 959.92 (839.94 to 1098.03)      | 5.24 (4.59 to 5.99)             | 251.82 (194.12 to 319.33)       | 1.30 (1.00 to 1.64)             | −4.98 (−5.30 to −4.66) |
| Kenya                            | 278.76 (69.25 to 428.90)     | 0.64 (0.16 to 0.99)             | 243.10 (83.55 to 377.42)     | 0.41 (0.14 to 0.64)             | −0.96 (−1.30 to −0.62) | 2162.56 (1305.10 to 2995.10)    | 5.02 (3.01 to 6.94)             | 1817.60 (1297.34 to 2591.68)    | 3.06 (2.18 to 4.36)             | −1.07 (−1.39 to −0.74) |
| Kiribati                         | 0.45 (0.08 to 0.87)          | 0.38 (0.07 to 0.74)             | 0.27 (0.05 to 0.69)          | 0.19 (0.04 to 0.49)             | −2.90 (−3.38 to −2.41) | 3.67 (2.04 to 6.37)             | 3.12 (1.74 to 5.40)             | 2.19 (0.99 to 4.92)             | 1.53 (0.69 to 3.45)             | −2.98 (−3.45 to −2.51) |
| Kuwait                           | 11.28 (8.99 to 13.88)        | 0.59 (0.47 to 0.72)             | 2.66 (2.00 to 3.55)          | 0.10 (0.08 to 0.13)             | −2.68 (−4.09 to −1.24) | 65.14 (53.18 to 79.96)          | 3.39 (2.78 to 4.17)             | 8.81 (6.81 to 11.36)            | 0.32 (0.25 to 0.42)             | −5.20 (−6.45 to −3.93) |
| Kyrgyzstan                       | 73.53 (40.39 to 107.20)      | 1.16 (0.63 to 1.70)             | 7.94 (5.28 to 10.73)         | 0.10 (0.07 to 0.14)             | −6.11 (−7.42 to −4.78) | 521.85 (379.36 to 712.79)       | 8.29 (6.04 to 11.28)            | 52.96 (39.64 to 69.78)          | 0.67 (0.50 to 0.88)             | −6.44 (−7.69 to −5.18) |
| Lao People's Democratic Republic | 83.57 (14.85 to 169.39)      | 1.18 (0.21 to 2.40)             | 34.77 (8.31 to 59.99)        | 0.42 (0.10 to 0.73)             | −3.50 (−3.60 to −3.41) | 715.31 (214.37 to 1238.96)      | 10.17 (3.07 to 17.59)           | 270.54 (164.02 to 410.10)       | 3.30 (2.01 to 5.00)             | −3.83 (−3.94 to −3.72) |
| Latvia                           | 4.77 (3.67 to 5.81)          | 0.24 (0.19 to 0.30)             | 4.07 (2.92 to 5.56)          | 0.44 (0.32 to 0.60)             | 1.41 (0.80 to 2.03)    | 30.11 (25.48 to 35.26)          | 1.53 (1.29 to 1.79)             | 17.62 (13.35 to 23.24)          | 1.87 (1.42 to 2.47)             | 0.29 (−0.36 to 0.96)   |
| Lebanon                          | 13.73 (8.34 to 20.89)        | 0.35 (0.21 to 0.53)             | 8.07 (4.02 to 16.44)         | 0.20 (0.10 to 0.41)             | −2.19 (−2.47 to −1.92) | 95.14 (61.44 to 141.72)         | 2.42 (1.56 to 3.62)             | 33.18 (17.29 to 65.59)          | 0.81 (0.42 to 1.61)             | −4.05 (−4.39 to −3.72) |
| Lesotho                          | 4.26 (0.58 to 9.48)          | 0.17 (0.02 to 0.38)             | 6.09 (0.88 to 17.13)         | 0.30 (0.04 to 0.81)             | 1.52 (1.13 to 1.91)    | 36.44 (14.85 to 74.82)          | 1.48 (0.60 to 3.04)             | 54.42 (20.95 to 155.32)         | 2.62 (1.01 to 7.39)             | 1.69 (1.23 to 2.15)    |
| Liberia                          | 139.17 (28.18 to 258.01)     | 2.89 (0.58 to 5.40)             | 74.00 (22.41 to 132.14)      | 0.96 (0.29 to 1.72)             | −4.15 (−4.70 to −3.60) | 1118.75 (422.94 to 1875.21)     | 23.33 (8.82 to 39.12)           | 538.46 (276.96 to 901.89)       | 7.00 (3.60 to 11.73)            | −4.52 (−5.07 to −3.97) |
| Libya                            | 51.66 (30.30 to 74.89)       | 0.82 (0.48 to 1.19)             | 57.09 (29.81 to 88.12)       | 1.36 (0.72 to 2.09)             | 2.40 (1.91 to 2.89)    | 365.25 (244.64 to 519.58)       | 5.80 (3.89 to 8.26)             | 325.45 (183.41 to 486.38)       | 7.65 (4.26 to 11.45)            | 1.58 (1.10 to 2.07)    |
| Lithuania                        | 5.72 (4.63 to 6.72)          | 0.20 (0.16 to 0.24)             | 5.07 (3.70 to 6.79)          | 0.39 (0.29 to 0.52)             | 1.25 (0.55 to 1.95)    | 34.37 (29.86 to 39.39)          | 1.21 (1.05 to 1.39)             | 23.53 (18.14 to 30.50)          | 1.79 (1.38 to 2.31)             | −0.48 (−0.18 to 1.14)  |
| Luxembourg                       | 0.74 (0.63 to 0.85)          | 0.32 (0.27 to 0.37)             | 1.21 (0.95 to 1.51)          | 0.37 (0.29 to 0.46)             | 0.59 (0.15 to 1.04)    | 3.30 (2.92 to 3.70)             | 1.41 (1.25 to 1.59)             | 2.55 (2.07 to 3.12)             | 0.77 (0.62 to 0.94)             | −1.62 (−2.11 to −1.13) |
| Madagascar                       | 162.03 (33.57 to 282.82)     | 0.75 (0.15 to 1.32)             | 125.47 (24.43 to 262.05)     | 0.31 (0.06 to 0.64)             | −2.53 (−2.74 to −2.31) | 1328.86 (807.90 to 2111.24)     | 6.23 (3.78 to 10.03)            | 977.14 (487.39 to 1910.56)      | 2.40 (1.20 to 4.69)             | −2.72 (−2.93 to −2.50) |
| Malawi                           | 528.92 (105.80 to 864.08)    | 2.77 (0.55 to 4.57)             | 315.01 (62.77 to 781.63)     | 1.16 (0.23 to 2.88)             | −3.15 (−3.58 to −2.73) | 4224.63 (2656.90 to 6210.09)    | 22.23 (13.87 to 33.52)          | 2394.63 (1041.44 to 5525.24)    | 8.80 (3.83 to 20.33)            | −3.34 (−3.77 to −2.90) |
| Malaysia                         | 59.22 (23.12 to 100.65)      | 0.25 (0.10 to 0.43)             | 45.84 (27.71 to 67.23)       | 0.19 (0.12 to 0.28)             | −0.69 (−1.22 to −0.16) | 451.03 (264.63 to 720.47)       | 1.91 (1.12 to 3.06)             | 297.18 (191.64 to 429.69)       | 1.21 (0.78 to 1.74)             | −1.30 (−1.79 to −0.80) |
| Maldives                         | 1.71 (0.42 to 3.11)          | 0.42 (0.10 to 0.76)             | 0.64 (0.39 to 1.05)          | 0.20 (0.12 to 0.33)             | −1.87 (−2.17 to −1.57) | 13.24 (4.54 to 22.93)           | 3.25 (1.13 to 5.61)             | 3.49 (2.12 to 5.48)             | 1.09 (0.67 to 1.73)             | −3.13 (−3.41 to −2.85) |
| Mali                             | 785.82 (169.27 to 1375.79)   | 4.35 (0.93 to 7.69)             | 1390.28 (348.73 to 2302.25)  | 2.94 (0.74 to 4.94)             | −1.18 (−1.35 to −1.01) | 6316.50 (2879.94 to 9532.01)    | 35.15 (15.51 to 53.65)          | 10484.30 (6164.54 to 15704.56)  | 22.27 (13.04 to 33.42)          | −1.38 (−1.55 to −1.20) |
| Malta                            | 0.44 (0.34 to 0.54)          | 0.16 (0.12 to 0.19)             | 0.72 (0.52 to 0.95)          | 0.33 (0.24 to 0.44)             | 2.64 (2.35 to 2.92)    | 2.00 (1.57 to 2.39)             | 0.71 (0.56 to 0.85)             | 1.55 (1.14 to 1.99)             | 0.71 (0.52 to 0.92)             | 0.39 (0.14 to 0.63)    |
| Marshall Islands                 | 0.04 (0.01 to 0.10)          | 0.06 (0.01 to 0.14)             | 0.04 (0.01 to 0.09)          | 0.07 (0.02 to 0.17)             | 0.11 (−0.43 to 0.65)   | 0.34 (0.15 to 0.77)             | 0.46 (0.20 to 1.04)             | 0.29 (0.12 to 0.67)             | 0.51 (0.21 to 1.18)             | −0.01 (−0.56 to 0.54)  |
| Mauritania                       | 75.02 (9.64 to 187.60)       | 1.98 (0.25 to 4.86)             | 64.02 (25.48 to 108.08)      | 0.98 (0.39 to 1.66)             | −2.57 (−3.04 to −2.09) | 588.32 (157.23 to 1368.95)      | 15.60 (4.17 to 35.60)           | 440.33 (216.10 to 714.77)       | 6.75 (3.31 to 10.96)            | −3.00 (−3.49 to −2.51) |
| Mauritius                        | 2.06 (1.44 to 2.42)          | 0.19 (0.13 to 0.22)             | 0.13 (0.10 to 0.15)          | 0.02 (0.02 to 0.02)             | −1.64 (−3.63 to 0.40)  | 14.33 (13.02 to 15.91)          | 1.33 (1.20 to 1.47)             | 0.77 (0.64 to 0.88)             | 0.12 (0.10 to 0.14)             | −2.06 (−4.04 to −0.03) |
| Mexico                           | 696.95 (207.61 to 898.09)    | 0.59 (0.18 to 0.76)             | 383.79 (251.68 to 544.55)    | 0.39 (0.26 to 0.55)             | −1.03 (−1.31 to −0.75) | 5342.34 (4809.22 to 6029.92)    | 4.55 (4.10 to 5.14)             | 2597.03 (1956.99 to 3456.04)    | 2.59 (1.94 to 3.46)             | −1.46 (−1.71 to −1.21) |
| Micronesia (Federated States of) | 0.21 (0.04 to 0.43)          | 0.14 (0.03 to 0.28)             | 0.07 (0.02 to 0.16)          | 0.07 (0.02 to 0.17)             | −2.10 (−2.46 to −1.75) | 1.74 (0.92 to 3.07)             | 1.12 (0.59 to 1.98)             | 0.52 (0.24 to 1.15)             | 0.55 (0.25 to 1.22)             | −2.35 (−2.70 to −2.00) |
| Monaco                           | 0.10 (0.06 to 0.18)          | 0.88 (0.49 to 1.51)             | 0.09 (0.05 to 0.14)          | 0.53 (0.34 to 0.84)             | −1.74 (−2.05 to −1.43) | 0.27 (0.16 to 0.45)             | 2.24 (1.29 to 3.76)             | 0.18 (0.12 to 0.28)             | 1.11 (0.73 to 1.72)             | −2.34 (−2.57 to −2.11) |
| Mongolia                         | 329.61 (65.79 to 582.97)     | 9.82 (1.95 to 17.42)            | 83.73 (41.68 to 137.12)      | 2.16 (1.08 to 3.52)             | −4.82 (−5.18 to −4.45) | 2589.11 (1558.95 to 4038.33)    | 77.64 (47.05 to 120.78)         | 618.16 (390.78 to 932.38)       | 15.83 (10.00 to 23.88)          | −5.07 (−5.48 to −4.66) |
| Montenegro                       | 3.34 (2.08 to 4.78)          | 0.64 (0.40 to 0.92)             | 1.11 (0.63 to 1.83)          | 0.31 (0.18 to 0.51)             | −1.54 (−1.89 to −1.19) | 16.68 (11.18 to 23.29)          | 3.17 (2.12 to 4.43)             | 3.41 (1.86 to 5.50)             | 0.94 (0.52 to 1.52)             | −3.55 (−3.83 to −3.28) |
| Morocco                          | 39.68 (10.34 to 62.90)       | 0.11 (0.03 to 0.17)             | 17.84 (9.59 to 32.49)        | 0.06 (0.03 to 0.10)             | −1.91 (−2.04 to −1.78) | 304.92 (191.07 to 470.10)       | 0.85 (0.53 to 1.31)             | 123.67 (66.34 to 220.43)        | 0.38 (0.21 to 0.68)             | −2.28 (−2.42 to −2.14) |
| Mozambique                       | 260.61 (50.71 to 457.76)     | 1.08 (0.21 to 1.92)             | 207.75 (31.77 to 585.80)     | 0.40 (0.06 to 1.13)             | −3.25 (−3.42 to −3.08) | 2124.61 (1195.00 to 3239.37)    | 8.87 (4.88 to 13.58)            | 1677.99 (681.27 to 4405.45)     | 3.26 (1.32 to 8.55)             | −3.25 (−3.43 to −3.07) |
| Myanmar                          | 287.74 (35.88 to 680.43)     | 0.57 (0.07 to 1.35)             | 153.76 (45.91 to 327.77)     | 0.30 (0.09 to 0.63)             | −2.30 (−2.44 to −2.16) | 2387.33 (426.93 to 5040.05)     | 4.73 (0.84 to 9.99)             | 1137.31 (437.63 to 2237.75)     | 2.18 (0.84 to 4.29)             | −2.72 (−2.89 to −2.55) |
| Namibia                          | 6.62 (1.34 to 11.56)         | 0.29 (0.06 to 0.51)             | 11.28 (5.31 to 18.47)        | 0.41 (0.19 to 0.67)             | 1.57 (1.30 to 1.84)    | 52.19 (29.21 to 81.26)          | 2.31 (1.29 to 3.62)             | 81.58 (51.01 to 126.64)         | 2.93 (1.83 to 4.55)             | 1.24 (0.95 to 1.52)    |
| Nauru                            | 0.04 (0.01 to 0.08)          | 0.27 (0.06 to 0.51)             | 0.03 (0.01 to 0.06)          | 0.23 (0.10 to 0.42)             | −1.02 (−1.44 to −0.61) | 0.33 (0.20 to 0.56)             | 2.03 (1.22 to 3.42)             | 0.23 (0.12 to 0.41)             | 1.65 (0.89 to 2.92)             | −1.12 (−1.62 to −0.71) |
| Nepal                            | 176.64 (36.97 to 340.52)     | 0.54 (0.11 to 1.04)             | 98.56 (42.66 to 153.15)      | 0.32 (0.14 to 0.49)             | −1.21 (−1.42 to −1.00) | 1431.01 (504.90 to 2370.87)     | 4.36 (1.52 to 7.20)             | 716.77 (435.90 to 1065.25)      | 2.31 (1.41 to 3.44)             | −1.61 (−1.81 to −1.41) |
| Netherlands                      | 23.02 (20.13 to 26.04)       | 0.25 (0.21 to 0.28)             | 19.63 (15.90 to 23.84)       | 0.23 (0.18 to 0.28)             | −0.29 (−0.52 to −0.06) | 64.43 (57.27 to 72.38)          | 0.69 (0.61 to 0.77)             | 41.77 (35.19 to 49.48)          | 0.48 (0.40 to 0.57)             | −1.26 (−1.48 to −1.04) |
| New Zealand                      | 9.40 (7.50 to 11.64)         | 0.34 (0.27 to 0.42)             | 15.04 (11.47 to 19.33)       | 0.48 (0.37 to 0.62)             | 1.93 (1.56 to 2.30)    | 43.09 (35.46 to 52.10)          | 1.56 (1.28 to 1.89)             | 46.02 (35.26 to 62.18)          | 1.44 (1.11 to 1.95)             | 0.55 (0.23 to 0.86)    |
| Nicaragua                        | 63.94 (18.78 to 90.63)       | 0.97 (0.28 to 1.37)             | 17.29 (9.88 to 27.11)        | 0.27 (0.15 to 0.42)             | −4.06 (−4.38 to −3.72) | 483.52 (370.36 to 629.90)       | 7.32 (5.60 to 9.54)             | 119.51 (78.66 to 179.00)        | 1.82 (1.19 to 2.75)             | −4.32 (−4.66 to −3.99) |
| Niger                            | 411.96 (86.38 to 741.68)     | 2.36 (0.49 to 4.34)             | 345.13 (77.70 to 611.86)     | 0.66 (0.15 to 1.18)             | −4.24 (−4.49 to −3.98) | 3349.69 (2060.97 to 5259.48)    | 19.26 (11.45 to 30.38)          | 2644.83 (1577.70 to 4325.08)    | 5.06 (3.02 to 8.26)             | −4.45 (−4.71 to −4.18) |
| Nigeria                          | 1276.89 (290.46 to 1921.54)  | 0.77 (0.17 to 1.16)             | 1808.73 (580.99 to 2665.25)  | 0.48 (0.15 to 0.71)             | −1.55 (−1.69 to −1.40) | 10181.37 (6349.96 to 13818.42)  | 6.17 (3.85 to 8.40)             | 13550.61 (8787.73 to 18374.48)  | 3.60 (2.33 to 4.90)             | −1.78 (−1.94 to −1.63) |
| Niue                             | 0.00 (0.00 to 0.0            |                                 |                              |                                 |                        |                                 |                                 |                                 |                                 |                        |

Table S3 (continued)

| Location                           | Prevalence                  |                                 |                              |                                 |                        | DALYs                          |                                 |                               |                                 |                        |
|------------------------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|-------------------------------|---------------------------------|------------------------|
|                                    | Number of cases, 1990       | ASR per 100000 population, 1990 | Number of cases, 2021        | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                    | ASR per 100000 population, 1990 | Count, 2021                   | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Sao Tome and Principe              | 1.37 (0.31 to 2.22)         | 0.66 (0.15 to 1.07)             | 0.30 (0.11 to 0.77)          | 0.12 (0.05 to 0.32)             | −5.24 (−5.73 to −4.75) | 10.42 (6.61 to 15.62)          | 4.98 (3.15 to 7.46)             | 2.04 (0.85 to 4.91)           | 0.83 (0.35 to 2.02)             | −5.59 (−6.07 to −5.12) |
| Saudi Arabia                       | 153.34 (68.06 to 278.93)    | 0.64 (0.28 to 1.16)             | 43.07 (25.24 to 72.92)       | 0.18 (0.11 to 0.31)             | −4.41 (−4.70 to −4.13) | 1118.61 (689.93 to 1949.16)    | 4.65 (2.87 to 8.11)             | 221.64 (134.21 to 375.91)     | 0.91 (0.56 to 1.57)             | −5.54 (−5.74 to −5.34) |
| Senegal                            | 182.03 (39.74 to 301.45)    | 1.22 (0.27 to 2.06)             | 100.37 (37.72 to 154.71)     | 0.44 (0.17 to 0.68)             | −3.26 (−3.62 to −2.91) | 1410.09 (845.01 to 2109.18)    | 9.52 (5.63 to 14.29)            | 729.78 (485.06 to 1059.30)    | 3.21 (2.13 to 4.65)             | −3.47 (−3.82 to −3.11) |
| Serbia                             | 34.10 (16.39 to 57.04)      | 0.50 (0.24 to 0.83)             | 5.13 (2.58 to 9.57)          | 0.14 (0.07 to 0.26)             | −4.31 (−4.81 to −3.80) | 229.46 (117.66 to 388.65)      | 3.32 (1.69 to 5.65)             | 21.05 (10.64 to 37.66)        | 0.55 (0.28 to 0.98)             | −6.30 (−6.79 to −5.81) |
| Seychelles                         | 0.15 (0.06 to 0.23)         | 0.18 (0.08 to 0.29)             | 0.07 (0.05 to 0.11)          | 0.10 (0.06 to 0.14)             | −1.10 (−1.77 to −0.43) | 1.09 (0.75 to 1.69)            | 1.36 (0.93 to 2.10)             | 0.47 (0.33 to 0.65)           | 0.60 (0.42 to 0.83)             | −1.59 (−2.28 to −0.91) |
| Sierra Leone                       | 230.36 (45.98 to 386.71)    | 2.80 (0.56 to 4.83)             | 132.16 (33.76 to 214.58)     | 0.96 (0.24 to 1.55)             | −3.87 (−4.23 to −3.51) | 1810.98 (954.69 to 2727.00)    | 22.12 (11.57 to 33.47)          | 979.88 (545.12 to 1497.02)    | 7.12 (3.97 to 10.84)            | −4.06 (−4.44 to −3.68) |
| Singapore                          | 10.25 (8.35 to 12.48)       | 0.48 (0.39 to 0.59)             | 6.33 (4.83 to 8.15)          | 0.22 (0.17 to 0.29)             | −1.58 (−2.75 to −0.40) | 58.44 (48.72 to 69.79)         | 2.73 (2.27 to 3.30)             | 14.93 (11.98 to 18.46)        | 0.52 (0.42 to 0.65)             | −4.74 (−5.52 to −3.94) |
| Slovakia                           | 12.25 (7.74 to 18.38)       | 0.30 (0.19 to 0.45)             | 6.03 (3.40 to 10.35)         | 0.21 (0.12 to 0.37)             | −1.29 (−1.57 to −1.01) | 80.81 (52.01 to 122.12)        | 1.94 (1.26 to 2.94)             | 20.36 (11.54 to 36.47)        | 0.72 (0.41 to 1.28)             | −3.57 (−3.76 to −3.37) |
| Slovenia                           | 4.07 (3.26 to 4.96)         | 0.34 (0.27 to 0.40)             | 1.15 (0.80 to 1.59)          | 0.12 (0.08 to 0.16)             | −2.73 (−3.20 to −2.25) | 21.20 (17.99 to 24.98)         | 1.70 (1.45 to 2.00)             | 2.99 (2.20 to 3.97)           | 0.29 (0.22 to 0.39)             | −5.36 (−5.68 to −5.03) |
| Solomon Islands                    | 1.02 (0.16 to 2.56)         | 0.17 (0.03 to 0.42)             | 0.99 (0.23 to 2.51)          | 0.10 (0.02 to 0.26)             | −1.60 (−2.02 to −1.18) | 8.12 (3.02 to 19.19)           | 1.34 (0.50 to 3.16)             | 7.54 (3.65 to 17.88)          | 0.79 (0.38 to 1.87)             | −1.74 (−2.15 to −1.32) |
| Somalia                            | 194.87 (33.34 to 389.56)    | 1.27 (0.22 to 2.57)             | 284.25 (48.58 to 658.25)     | 0.69 (0.11 to 1.59)             | −1.72 (−2.15 to −1.28) | 1614.05 (832.46 to 2731.93)    | 10.58 (5.44 to 18.20)           | 2297.14 (901.59 to 4628.95)   | 5.60 (2.19 to 11.31)            | −1.80 (−2.24 to −1.37) |
| South Africa                       | 126.46 (32.49 to 196.24)    | 0.26 (0.07 to 0.41)             | 117.64 (59.71 to 177.80)     | 0.24 (0.12 to 0.36)             | −0.50 (−0.70 to −0.29) | 1004.16 (660.18 to 1350.72)    | 2.08 (1.36 to 2.80)             | 910.39 (661.43 to 1191.13)    | 1.82 (1.32 to 2.38)             | −0.75 (−0.98 to −0.52) |
| South Sudan                        | 138.09 (27.79 to 264.92)    | 1.36 (0.27 to 2.64)             | 231.57 (50.99 to 414.34)     | 1.48 (0.32 to 2.69)             | 0.66 (−0.10 to 1.42)   | 1096.59 (455.23 to 1831.02)    | 10.83 (4.37 to 18.39)           | 1763.54 (729.92 to 2900.76)   | 11.28 (4.63 to 18.78)           | 0.51 (−0.21 to 1.24)   |
| Spain                              | 118.07 (99.98 to 135.35)    | 0.57 (0.49 to 0.65)             | 112.70 (90.55 to 139.97)     | 0.63 (0.50 to 0.78)             | 0.09 (−0.27 to 0.45)   | 463.76 (405.02 to 532.75)      | 2.15 (1.89 to 2.46)             | 249.94 (206.00 to 302.63)     | 1.34 (1.10 to 1.63)             | −1.45 (−1.57 to −1.33) |
| Sri Lanka                          | 15.05 (6.81 to 22.38)       | 0.08 (0.04 to 0.12)             | 7.62 (4.35 to 12.67)         | 0.05 (0.03 to 0.08)             | −2.03 (−2.47 to −1.59) | 120.34 (87.22 to 160.04)       | 0.66 (0.49 to 0.88)             | 44.88 (28.59 to 72.82)        | 0.28 (0.18 to 0.46)             | −3.08 (−3.55 to −2.61) |
| Sudan                              | 437.01 (80.03 to 811.53)    | 1.25 (0.22 to 2.34)             | 375.33 (169.63 to 622.93)    | 0.67 (0.30 to 1.11)             | −1.54 (−1.73 to −1.36) | 3483.03 (1797.09 to 5751.47)   | 10.01 (5.12 to 16.58)           | 2731.42 (1708.99 to 4355.22)  | 4.85 (3.04 to 7.73)             | −1.88 (−2.05 to −1.71) |
| Suriname                           | 0.86 (0.21 to 1.38)         | 0.20 (0.05 to 0.31)             | 0.68 (0.33 to 1.11)          | 0.15 (0.08 to 0.25)             | −1.09 (−1.30 to −0.89) | 6.88 (4.56 to 9.80)            | 1.55 (1.03 to 2.21)             | 5.20 (3.28 to 7.95)           | 1.15 (0.73 to 1.75)             | −1.30 (−1.53 to −1.06) |
| Sweden                             | 29.35 (24.78 to 34.69)      | 0.52 (0.43 to 0.61)             | 21.19 (16.16 to 27.70)       | 0.37 (0.28 to 0.48)             | −0.23 (−1.14 to 0.69)  | 82.10 (70.86 to 94.93)         | 1.47 (1.27 to 1.69)             | 45.80 (36.03 to 58.09)        | 0.78 (0.61 to 0.99)             | −1.01 (−2.03 to 0.02)  |
| Switzerland                        | 30.45 (25.65 to 36.04)      | 0.76 (0.64 to 0.90)             | 13.02 (10.02 to 16.50)       | 0.30 (0.23 to 0.38)             | −3.00 (−3.19 to −2.81) | 78.81 (67.37 to 91.58)         | 1.97 (1.68 to 2.29)             | 28.79 (22.95 to 35.26)        | 0.65 (0.52 to 0.80)             | −3.42 (−3.66 to −3.19) |
| Syrian Arab Republic               | 144.67 (57.78 to 219.87)    | 0.67 (0.27 to 1.02)             | 42.56 (18.47 to 67.40)       | 0.42 (0.18 to 0.67)             | −1.29 (−2.42 to −0.15) | 1146.98 (736.98 to 1549.31)    | 5.36 (3.45 to 7.22)             | 249.35 (124.05 to 380.57)     | 2.44 (1.20 to 3.76)             | −2.41 (−3.46 to −1.35) |
| Taiwan (Province of China)         | 90.24 (68.92 to 109.94)     | 0.54 (0.43 to 0.66)             | 57.08 (45.87 to 69.51)       | 0.67 (0.54 to 0.81)             | 2.74 (1.35 to 4.15)    | 582.83 (516.64 to 661.71)      | 3.41 (3.02 to 3.86)             | 161.15 (134.66 to 191.98)     | 1.79 (1.49 to 2.14)             | −0.41 (−1.51 to 0.70)  |
| Tajikistan                         | 68.64 (20.82 to 122.27)     | 0.73 (0.22 to 1.32)             | 49.50 (21.48 to 89.34)       | 0.37 (0.16 to 0.67)             | −2.44 (−2.78 to −2.10) | 503.85 (212.12 to 828.09)      | 5.45 (2.30 to 8.95)             | 355.70 (193.27 to 617.97)     | 2.68 (1.45 to 4.65)             | −2.65 (−2.98 to −2.33) |
| Thailand                           | 749.76 (348.05 to 1130.83)  | 1.43 (0.68 to 2.13)             | 147.43 (104.02 to 202.78)    | 0.52 (0.38 to 0.71)             | −3.88 (−4.27 to −3.49) | 5869.15 (4291.75 to 7878.26)   | 11.03 (8.06 to 14.74)           | 830.86 (600.98 to 1121.69)    | 2.86 (2.08 to 3.84)             | −5.02 (−5.44 to −4.59) |
| Timor-Leste                        | 8.43 (1.39 to 17.53)        | 0.61 (0.10 to 1.27)             | 4.41 (1.30 to 8.24)          | 0.24 (0.07 to 0.45)             | −3.36 (−3.76 to −2.97) | 68.55 (14.82 to 123.08)        | 4.98 (1.09 to 8.97)             | 33.04 (15.54 to 56.61)        | 1.79 (0.85 to 3.07)             | −3.70 (−4.08 to −3.31) |
| Togo                               | 48.71 (10.44 to 81.87)      | 0.69 (0.15 to 1.19)             | 39.72 (14.08 to 71.18)       | 0.34 (0.12 to 0.61)             | −2.43 (−2.61 to −2.25) | 382.44 (238.41 to 568.98)      | 5.48 (3.38 to 8.24)             | 292.68 (168.73 to 490.44)     | 2.51 (1.45 to 4.21)             | −2.62 (−2.81 to −2.43) |
| Tokelau                            | 0.00 (0.00 to 0.01)         | 0.11 (0.02 to 0.27)             | 0.00 (0.00 to 0.00)          | 0.11 (0.04 to 0.35)             | −0.61 (−1.19 to −0.03) | 0.02 (0.01 to 0.04)            | 0.82 (0.37 to 1.87)             | 0.01 (0.00 to 0.02)           | 0.76 (0.29 to 2.26)             | −1.01 (−1.58 to −0.44) |
| Tonga                              | 0.96 (0.30 to 2.00)         | 0.62 (0.19 to 1.30)             | 0.78 (0.33 to 1.73)          | 0.54 (0.23 to 1.20)             | −0.84 (−1.35 to −0.32) | 6.89 (3.56 to 13.65)           | 4.50 (2.34 to 8.88)             | 5.21 (2.41 to 11.46)          | 3.63 (1.69 to 7.96)             | −1.06 (−1.59 to −0.53) |
| Trinidad and Tobago                | 1.89 (0.73 to 2.59)         | 0.14 (0.06 to 0.20)             | 0.72 (0.45 to 1.02)          | 0.09 (0.06 to 0.13)             | −1.84 (−2.11 to −1.56) | 15.68 (13.26 to 18.46)         | 1.17 (0.99 to 1.38)             | 5.10 (3.75 to 6.82)           | 0.62 (0.45 to 0.84)             | −2.34 (−2.63 to −2.06) |
| Tunisia                            | 51.49 (29.60 to 78.15)      | 0.49 (0.28 to 0.74)             | 17.74 (11.02 to 28.38)       | 0.20 (0.13 to 0.32)             | −2.63 (−2.85 to −2.41) | 357.79 (226.49 to 508.73)      | 3.37 (2.13 to 4.80)             | 93.22 (59.72 to 146.14)       | 1.05 (0.67 to 1.64)             | −3.54 (−3.70 to −3.38) |
| Turkey                             | 277.63 (101.07 to 436.76)   | 0.40 (0.14 to 0.63)             | 105.44 (72.29 to 163.36)     | 0.20 (0.13 to 0.31)             | −2.17 (−2.31 to −2.03) | 2094.28 (1454.08 to 3105.64)   | 3.00 (2.08 to 4.46)             | 511.91 (343.30 to 783.46)     | 0.94 (0.64 to 1.46)             | −3.65 (−3.85 to −3.45) |
| Turkmenistan                       | 62.48 (29.01 to 78.86)      | 1.07 (0.49 to 1.36)             | 15.48 (10.34 to 20.83)       | 0.29 (0.19 to 0.39)             | −4.27 (−4.68 to −3.86) | 457.35 (384.78 to 525.62)      | 7.92 (6.68 to 9.10)             | 108.48 (84.26 to 138.09)      | 2.03 (1.57 to 2.58)             | −4.50 (−4.91 to −4.09) |
| Tuvalu                             | 0.03 (0.01 to 0.06)         | 0.22 (0.05 to 0.40)             | 0.01 (0.00 to 0.03)          | 0.10 (0.03 to 0.20)             | −2.50 (−2.64 to −2.35) | 0.27 (0.14 to 0.47)            | 1.78 (0.91 to 3.17)             | 0.09 (0.05 to 0.17)           | 0.71 (0.39 to 1.36)             | −2.79 (−2.93 to −2.64) |
| Uganda                             | 740.82 (154.00 to 1223.74)  | 2.04 (0.42 to 3.39)             | 938.55 (213.36 to 1776.98)   | 1.29 (0.29 to 2.43)             | −1.07 (−1.32 to −0.82) | 5838.86 (3761.28 to 8522.73)   | 16.21 (10.42 to 23.49)          | 7112.48 (3827.35 to 13022.52) | 9.78 (5.26 to 17.86)            | −1.26 (−1.51 to −1.00) |
| Ukraine                            | 236.14 (175.06 to 308.46)   | 0.65 (0.48 to 0.85)             | 43.78 (32.77 to 55.19)       | 0.29 (0.22 to 0.36)             | −2.34 (−3.05 to −1.63) | 1453.81 (1147.97 to 1870.50)   | 3.96 (3.13 to 5.06)             | 238.84 (181.97 to 295.27)     | 1.49 (1.14 to 1.85)             | −3.03 (−3.68 to −2.38) |
| United Arab Emirates               | 5.47 (1.86 to 9.53)         | 0.24 (0.08 to 0.42)             | 6.67 (3.87 to 10.53)         | 0.16 (0.09 to 0.24)             | −1.14 (−1.60 to −0.67) | 44.33 (24.90 to 72.84)         | 1.95 (1.10 to 3.21)             | 46.53 (31.31 to 69.62)        | 1.04 (0.71 to 1.54)             | −1.61 (−2.04 to −1.18) |
| United Kingdom                     | 102.00 (93.23 to 108.88)    | 0.27 (0.24 to 0.28)             | 228.27 (199.63 to 255.31)    | 0.64 (0.56 to 0.71)             | 4.42 (3.87 to 4.97)    | 406.38 (390.02 to 423.42)      | 1.06 (1.02 to 1.11)             | 547.23 (495.76 to 595.13)     | 1.49 (1.34 to 1.62)             | 2.45 (2.02 to 2.88)    |
| United Republic of Tanzania        | 675.48 (143.39 to 1095.54)  | 1.39 (0.29 to 2.29)             | 699.26 (179.22 to 1297.91)   | 0.79 (0.20 to 1.47)             | −1.45 (−1.65 to −1.25) | 5302.95 (3344.44 to 7632.15)   | 11.02 (6.90 to 16.16)           | 5243.60 (2980.79 to 8972.18)  | 5.96 (3.39 to 10.16)            | −1.62 (−1.81 to −1.43) |
| United States of America           | 910.29 (847.70 to 953.60)   | 0.46 (0.43 to 0.48)             | 1473.71 (1288.82 to 1664.99) | 0.80 (0.70 to 0.90)             | 2.07 (1.80 to 2.34)    | 3124.41 (3047.23 to 3201.37)   | 1.58 (1.55 to 1.62)             | 3668.52 (3277.44 to 4080.21)  | 1.96 (1.75 to 2.18)             | 0.99 (0.86 to 1.13)    |
| United States Virgin Islands       | 0.08 (0.04 to 0.13)         | 0.07 (0.04 to 0.12)             | 0.02 (0.01 to 0.04)          | 0.05 (0.02 to 0.10)             | −1.45 (−1.69 to −1.20) | 0.58 (0.37 to 0.85)            | 0.53 (0.34 to 0.78)             | 0.11 (0.05 to 0.23)           | 0.29 (0.14 to 0.58)             | −2.01 (−2.29 to −1.72) |
| Uruguay                            | 1.22 (0.83 to 1.60)         | 0.04 (0.03 to 0.06)             | 1.00 (0.69 to 1.41)          | 0.05 (0.04 to 0.07)             | 0.77 (−0.09 to 1.64)   | 8.40 (6.79 to 10.44)           | 0.31 (0.25 to 0.38)             | 5.49 (3.93 to 7.33)           | 0.27 (0.19 to 0.36)             | 0.01 (−0.81 to 0.84)   |
| Uzbekistan                         | 166.59 (88.10 to 245.74)    | 0.50 (0.26 to 0.74)             | 103.49 (63.41 to 150.80)     | 0.27 (0.17 to 0.40)             | −1.58 (−1.73 to −1.43) | 1184.78 (837.74 to 1626.69)    | 3.60 (2.54 to 4.92)             | 742.67 (534.73 to 1001.92)    | 1.99 (1.44 to 2.69)             | −1.57 (−1.74 to −1.40) |
| Vanuatu                            | 0.25 (0.05 to 0.53)         | 0.09 (0.02 to 0.19)             | 0.28 (0.06 to 0.61)          | 0.07 (0.01 to 0.15)             | −0.71 (−1.27 to −0.15) | 1.99 (1.03 to 4.07)            | 0.73 (0.38 to 1.49)             | 2.18 (0.98 to 4.22)           | 0.52 (0.23 to 1.01)             | −0.76 (−1.33 to −0.19) |
| Venezuela (Bolivarian Republic of) | 108.14 (46.84 to 131.14)    | 0.42 (0.18 to 0.52)             | 108.74 (73.44 to 152.35)     | 0.50 (0.34 to 0.70)             | 0.33 (−0.72 to 1.39)   | 815.59 (757.43 to 872.26)      | 3.22 (2.99 to 3.44)             | 708.09 (512.83 to 961.52)     | 3.23 (2.33 to 4.40)             | −0.19 (−1.22 to 0.85)  |
| Viet Nam                           | 1892.89 (688.22 to 2841.19) | 2.03 (0.74 to 3.04)             | 661.88 (403.99 to 1006.33)   | 0.82 (0.50 to 1.24)             | −2.51 (−2.76 to −2.25) | 13698.10 (9077.46 to 19482.35) | 14.65 (9.72 to 20.82)           | 3939.16 (2436.92 to 6143.29)  | 4.86 (3.01 to 7.56)             | −3.15 (−3.40 to −2.90) |
| Yemen                              | 196.93 (39.45 to 355.55)    | 0.70 (0.14 to 1.26)             | 138.50 (54.37 to 241.08)     | 0.30 (0.12 to 0.51)             | −2.59 (−2.70 to −2.49) | 1576.01 (900.95 to 2571.64)    | 5.63 (3.23 to 9.10)             | 1045.25 (570.69 to 1759.13)   | 2.23 (1.22 to 3.74)             | −2.86 (−2.95 to −2.77) |
| Zambia                             | 336.78 (66.39 to 556.18)    | 2.22 (0.44 to 3.68)             | 269.17 (59.72 to 627.16)     | 0.93 (0.21 to 2.16)             | −3.05 (−3.21 to −2.90) | 2689.68 (1796.88 to 3831.82)   | 17.86 (11.86 to 25.62)          | 2030.95 (902.60 to 4504.96)   | 6.98 (3.10 to 15.48)            | −3.28 (−3.46 to −3.09) |
| Zimbabwe                           | 112.54 (25.16 to 198.95)    | 0.63 (0.14 to 1.12)             | 156.19 (36.39 to 286.96)     | 0.71 (0.16 to 1.30)             | 0.06 (−0.41 to 0.54)   | 875.62 (467.56 to 1452.87)     | 4.93 (2.64 to 8.18)             | 1277.68 (709.31 to 2033.42)   | 5.79 (3.21 to 9.22)             | 0.35 (−0.15 to 0.84)   |
| Retinoblastoma                     |                             |                                 |                              |                                 |                        |                                |                                 |                               |                                 |                        |
| Afghanistan                        | 1.44 (0.28 to 5.00)         | 0.01 (0.00 to 0.03)             | 5.10 (0.82 to 19.33)         | 0.01 (0.00 to 0.04)             | 0.21 (−0.01 to 0.42)   | 14.09 (2.79 to 48.96)          | 0.08 (0.02 to 0.30)             | 45.85 (7.81 to 166.27)        | 0.09 (0.01 to 0.31)             | −0.01 (−0.22 to 0.21)  |
| Albania                            | 0.16 (0.07 to 0.31)         | 0.00 (0.00 to 0.01)             | 0.25 (0.06 to 0.79)          | 0.02 (0.00 to 0.05)             | 5.73 (4.61 to 6.86)    | 0.59 (0.25 to 1.13)            | 0.01 (0.01 to 0.03)             | 0.22 (0.05 to 0.68)           | 0.02 (0.00 to 0.05)             | 0.31 (−0.33 to 0.96)   |
| Algeria                            | 122.37 (58.30 to 238.07)    | 0.33 (0.16 to 0.63)             | 215.63 (98.56 to 414.16)     | 0.46 (0.21 to 0.88)             | 0.91 (0.54 to 1.29)    | 701.69 (359.85 to 1321.89)     | 1.87 (0.96 to 3.52)             | 333.20 (160.88 to 620.11)     | 0.71 (0.34 to 1.32)             | −3.33 (−3.61 to −3.05) |
| American Samoa                     | 0.03 (0.01 to 0.11)         | 0.05 (0.01 to 0.15)             | 0.03 (0.01 to 0.11)          | 0.08 (0.02 to 0.28)             | 1.23 (0.83 to 1.63)    | 0.18 (0.05 to 0.48)            | 0.24 (0.07 to 0.66)             | 0.11 (0.03 to 0.34)           | 0.28 (0.07 to 0.86)             | 0.11 (−0.17 to 0.39)   |
| Andorra                            | 0.10 (0.04 to 0.19)         | 0.35 (0.13 to 0.68)             | 0.07 (0.02 to 0.15)          | 0.23 (0.08 to 0.55)             | −0.71 (−1.26 to −0.16) | 0.03 (0.01 to 0.06)            | 0.10 (0.04 to 0.20)             | 0.01 (0.00 to 0.02)           |                                 |                        |

| Table S3 <i>(continued)</i>           |                              |                                 |                                |                                 |                        |                                 |                                 |                                 |                                 |                         |
|---------------------------------------|------------------------------|---------------------------------|--------------------------------|---------------------------------|------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|-------------------------|
| Location                              | Prevalence                   |                                 |                                |                                 |                        | DALYs                           |                                 |                                 |                                 |                         |
|                                       | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021          | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                     | ASR per 100000 population, 1990 | Count, 2021                     | ASR per 100000 population, 2021 | EAPC, 1990–2021         |
| Cambodia                              | 25.30 (6.72 to 57.02)        | 0.15 (0.04 to 0.33)             | 29.25 (6.75 to 74.88)          | 0.17 (0.04 to 0.43)             | 0.28 (−0.14 to 0.69)   | 241.67 (64.64 to 544.63)        | 1.39 (0.37 to 3.10)             | 165.53 (38.83 to 398.76)        | 0.94 (0.22 to 2.28)             | −1.48 (−1.61 to −1.35)  |
| Cameroon                              | 176.56 (70.69 to 407.36)     | 0.92 (0.36 to 2.12)             | 350.50 (120.65 to 844.08)      | 0.73 (0.25 to 1.75)             | −0.32 (−0.53 to −0.11) | 1686.86 (683.53 to 3804.58)     | 8.77 (3.52 to 19.87)            | 2588.90 (930.53 to 5866.97)     | 5.38 (1.93 to 12.18)            | −0.94 (−1.22 to −0.65)  |
| Canada                                | 352.17 (242.24 to 486.62)    | 1.82 (1.25 to 2.53)             | 198.17 (103.68 to 349.96)      | 1.00 (0.52 to 1.76)             | −1.10 (−1.44 to −0.76) | 94.22 (67.22 to 127.31)         | 0.49 (0.34 to 0.66)             | 30.91 (17.28 to 53.01)          | 0.15 (0.09 to 0.26)             | −2.89 (−3.30 to −2.48)  |
| Central African Republic              | 27.94 (13.23 to 58.71)       | 0.59 (0.27 to 1.24)             | 45.17 (17.56 to 99.73)         | 0.55 (0.21 to 1.22)             | 0.01 (−0.18 to 0.19)   | 270.71 (126.68 to 547.24)       | 5.68 (2.64 to 11.57)            | 434.04 (170.52 to 998.60)       | 5.30 (2.08 to 12.16)            | −0.03 (−0.21 to 0.16)   |
| Chad                                  | 117.86 (47.90 to 264.63)     | 1.01 (0.41 to 2.28)             | 287.53 (122.02 to 599.86)      | 0.83 (0.35 to 1.72)             | −0.57 (−0.65 to −0.49) | 1139.45 (462.28 to 2579.15)     | 9.78 (3.97 to 22.20)            | 2746.79 (1183.37 to 6073.64)    | 7.88 (3.36 to 17.50)            | −0.60 (−0.69 to −0.52)  |
| Chile                                 | 62.04 (32.73 to 107.68)      | 0.44 (0.23 to 0.76)             | 87.89 (43.61 to 152.00)        | 0.76 (0.38 to 1.30)             | 1.01 (−0.26 to 2.30)   | 101.35 (64.65 to 150.63)        | 0.72 (0.46 to 1.06)             | 34.52 (17.81 to 60.58)          | 0.30 (0.15 to 0.52)             | −3.73 (−4.71 to −2.73)  |
| China                                 | 5032.40 (2547.81 to 8269.71) | 0.45 (0.23 to 0.74)             | 10091.34 (3924.03 to 15885.33) | 1.30 (0.50 to 2.05)             | 5.57 (4.83 to 6.32)    | 27716.77 (14354.96 to 42866.10) | 2.49 (1.29 to 3.85)             | 6765.72 (2802.91 to 10311.97)   | 0.87 (0.36 to 1.32)             | −2.25 (−2.74 to −1.75)  |
| Colombia                              | 210.77 (126.07 to 316.37)    | 0.51 (0.31 to 0.77)             | 332.79 (187.42 to 559.51)      | 0.95 (0.54 to 1.61)             | 4.65 (3.48 to 5.84)    | 1196.76 (837.65 to 1688.86)     | 2.92 (2.04 to 4.13)             | 482.18 (279.91 to 788.26)       | 1.37 (0.79 to 2.24)             | −0.04 (−1.02 to 0.95)   |
| Comoros                               | 16.29 (7.51 to 33.86)        | 2.03 (0.92 to 4.27)             | 16.57 (6.19 to 35.99)          | 2.04 (0.76 to 4.44)             | −0.14 (−0.39 to 0.11)  | 157.05 (72.05 to 332.18)        | 19.56 (8.87 to 41.66)           | 134.33 (53.60 to 271.94)        | 16.55 (6.59 to 33.55)           | −0.63 (−0.89 to −0.38)  |
| Congo                                 | 18.37 (7.47 to 41.00)        | 0.48 (0.20 to 1.08)             | 22.69 (7.12 to 56.21)          | 0.35 (0.11 to 0.88)             | −0.84 (−1.09 to −0.58) | 176.59 (71.26 to 389.89)        | 4.61 (1.86 to 10.21)            | 170.73 (57.27 to 415.57)        | 2.66 (0.89 to 6.46)             | −1.49 (−1.72 to −1.26)  |
| Cook Islands                          | 0.05 (0.01 to 0.19)          | 0.23 (0.05 to 0.83)             | 0.31 (0.07 to 0.98)            | 2.68 (0.63 to 8.61)             | 4.03 (2.52 to 5.56)    | 0.18 (0.04 to 0.61)             | 0.79 (0.19 to 2.68)             | 0.33 (0.08 to 1.08)             | 2.90 (0.73 to 9.43)             | 0.29 (−1.16 to 1.77)    |
| Costa Rica                            | 48.87 (29.36 to 81.39)       | 1.21 (0.73 to 2.02)             | 24.98 (14.06 to 43.54)         | 0.78 (0.44 to 1.35)             | −0.09 (−0.82 to 0.64)  | 117.96 (73.50 to 186.86)        | 2.93 (1.83 to 4.63)             | 27.04 (15.70 to 47.37)          | 0.84 (0.48 to 1.48)             | −2.77 (−3.45 to −2.08)  |
| Côte d'Ivoire                         | 59.80 (25.09 to 145.97)      | 0.27 (0.11 to 0.65)             | 112.19 (39.86 to 281.11)       | 0.26 (0.09 to 0.66)             | 0.16 (−0.23 to 0.55)   | 575.16 (244.13 to 1414.16)      | 2.57 (1.08 to 6.34)             | 795.85 (311.19 to 1910.68)      | 1.86 (0.73 to 4.46)             | −0.62 (−0.96 to −0.28)  |
| Croatia                               | 2.03 (1.25 to 3.16)          | 0.06 (0.04 to 0.10)             | 1.48 (0.59 to 3.14)            | 0.08 (0.03 to 0.17)             | 1.13 (−1.30 to 3.61)   | 2.37 (1.45 to 3.56)             | 0.07 (0.05 to 0.11)             | 0.65 (0.26 to 1.34)             | 0.03 (0.01 to 0.07)             | −2.29 (−4.57 to 0.04)   |
| Cuba                                  | 63.71 (34.83 to 104.67)      | 0.72 (0.40 to 1.19)             | 1.75 (0.86 to 3.06)            | 0.03 (0.02 to 0.06)             | −6.84 (−8.99 to −4.64) | 143.09 (83.98 to 227.01)        | 1.63 (0.95 to 2.58)             | 1.76 (0.86 to 3.09)             | 0.03 (0.02 to 0.05)             | −9.11 (−11.14 to −7.04) |
| Cyprus                                | 0.15 (0.06 to 0.31)          | 0.02 (0.01 to 0.05)             | 0.83 (0.29 to 1.99)            | 0.11 (0.04 to 0.27)             | 7.72 (6.78 to 8.68)    | 0.09 (0.03 to 0.19)             | 0.01 (0.01 to 0.03)             | 0.15 (0.05 to 0.35)             | 0.02 (0.01 to 0.05)             | 3.06 (2.45 to 3.68)     |
| Czechia                               | 15.74 (9.73 to 22.95)        | 0.24 (0.15 to 0.34)             | 22.32 (9.92 to 45.52)          | 0.39 (0.17 to 0.80)             | 1.75 (0.34 to 3.18)    | 24.13 (16.18 to 34.18)          | 0.36 (0.24 to 0.51)             | 10.38 (4.98 to 20.30)           | 0.18 (0.09 to 0.35)             | −1.82 (−2.83 to −0.81)  |
| Democratic People's Republic of Korea | 72.80 (31.86 to 153.02)      | 0.32 (0.14 to 0.66)             | 99.74 (39.43 to 224.00)        | 0.66 (0.26 to 1.48)             | 2.74 (2.52 to 2.97)    | 408.03 (199.21 to 832.89)       | 1.77 (0.87 to 3.60)             | 241.52 (101.70 to 524.68)       | 1.59 (0.67 to 3.45)             | −0.26 (−0.41 to −0.12)  |
| Democratic Republic of the Congo      | 307.51 (132.30 to 583.98)    | 0.44 (0.19 to 0.85)             | 371.32 (137.86 to 884.15)      | 0.28 (0.10 to 0.66)             | −0.98 (−1.26 to −0.70) | 2967.80 (1269.00 to 5616.47)    | 4.29 (1.81 to 8.18)             | 3351.81 (1287.49 to 7503.41)    | 2.49 (0.96 to 5.58)             | −1.13 (−1.44 to −0.81)  |
| Denmark                               | 65.65 (46.22 to 89.38)       | 2.28 (1.61 to 3.12)             | 74.75 (46.98 to 107.35)        | 2.40 (1.51 to 3.45)             | 0.66 (−0.19 to 1.52)   | 28.98 (21.87 to 37.68)          | 1.01 (0.76 to 1.31)             | 15.89 (8.98 to 24.03)           | 0.51 (0.29 to 0.77)             | −2.20 (−3.20 to −1.18)  |
| Djibouti                              | 14.45 (6.42 to 25.95)        | 2.29 (1.02 to 4.17)             | 26.78 (9.00 to 63.29)          | 1.85 (0.62 to 4.37)             | −0.37 (−0.72 to −0.02) | 139.27 (61.76 to 252.33)        | 22.05 (9.67 to 40.32)           | 197.79 (75.60 to 418.01)        | 13.65 (5.22 to 28.84)           | −1.01 (−1.48 to −0.53)  |
| Dominica                              | 0.00 (0.00 to 0.00)          | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)            | 0.00 (0.00 to 0.00)             | 1.55 (1.03 to 2.08)    | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.01)             | 0.19 (−0.23 to 0.62)    |
| Dominican Republic                    | 14.46 (5.17 to 30.52)        | 0.15 (0.05 to 0.31)             | 14.12 (5.18 to 32.88)          | 0.14 (0.05 to 0.32)             | 1.31 (0.50 to 2.13)    | 115.44 (40.49 to 226.58)        | 1.19 (0.42 to 2.34)             | 50.43 (17.82 to 113.60)         | 0.49 (0.17 to 1.11)             | −1.01 (−1.84 to −0.18)  |
| Ecuador                               | 76.84 (41.74 to 133.72)      | 0.58 (0.31 to 1.01)             | 276.37 (140.25 to 493.88)      | 1.63 (0.83 to 2.91)             | 4.34 (3.96 to 4.72)    | 619.90 (362.50 to 997.75)       | 4.68 (2.72 to 7.55)             | 632.23 (343.20 to 1101.18)      | 3.73 (2.02 to 6.53)             | 0.31 (−0.11 to 0.74)    |
| Egypt                                 | 42.96 (13.87 to 120.43)      | 0.05 (0.02 to 0.15)             | 113.95 (34.92 to 364.72)       | 0.09 (0.03 to 0.28)             | 2.19 (0.50 to 3.91)    | 360.97 (122.31 to 921.28)       | 0.44 (0.15 to 1.12)             | 276.62 (91.09 to 869.80)        | 0.21 (0.07 to 0.67)             | −1.60 (−3.19 to 0.01)   |
| El Salvador                           | 12.20 (5.01 to 30.18)        | 0.16 (0.07 to 0.41)             | 16.83 (7.16 to 38.84)          | 0.27 (0.12 to 0.63)             | 1.84 (1.32 to 2.36)    | 99.29 (42.36 to 231.55)         | 1.33 (0.57 to 3.11)             | 33.97 (15.16 to 72.40)          | 0.55 (0.25 to 1.18)             | −2.79 (−2.84 to −2.73)  |
| Equatorial Guinea                     | 3.97 (1.68 to 9.12)          | 0.51 (0.22 to 1.20)             | 7.01 (1.47 to 19.54)           | 0.37 (0.08 to 1.02)             | −1.45 (−2.02 to −0.88) | 38.37 (16.50 to 88.91)          | 4.96 (2.12 to 11.53)            | 30.99 (7.14 to 84.55)           | 1.62 (0.37 to 4.42)             | −4.27 (−4.59 to −3.95)  |
| Eritrea                               | 135.75 (49.55 to 278.47)     | 2.25 (0.82 to 4.66)             | 185.96 (64.55 to 393.41)       | 2.05 (0.71 to 4.34)             | −0.48 (−0.73 to −0.23) | 1318.99 (485.18 to 2756.99)     | 21.89 (8.03 to 46.08)           | 1756.06 (617.63 to 3645.69)     | 19.34 (6.82 to 40.11)           | −0.56 (−0.82 to −0.30)  |
| Estonia                               | 4.75 (2.26 to 8.40)          | 0.39 (0.19 to 0.69)             | 2.30 (1.19 to 4.21)            | 0.33 (0.17 to 0.60)             | 1.52 (0.20 to 2.86)    | 8.64 (4.10 to 15.10)            | 0.72 (0.34 to 1.25)             | 1.31 (0.73 to 2.25)             | 0.19 (0.10 to 0.32)             | −2.81 (−4.23 to −1.37)  |
| Eswatini                              | 4.29 (1.71 to 8.20)          | 0.30 (0.12 to 0.58)             | 5.46 (2.08 to 11.47)           | 0.39 (0.15 to 0.82)             | 1.12 (0.93 to 1.31)    | 40.07 (15.75 to 76.14)          | 2.83 (1.11 to 5.36)             | 42.15 (16.30 to 81.63)          | 3.00 (1.16 to 5.81)             | 0.66 (0.39 to 0.93)     |
| Ethiopia                              | 1195.98 (528.78 to 2270.00)  | 1.29 (0.57 to 2.44)             | 1299.98 (651.18 to 2384.52)    | 0.83 (0.41 to 1.52)             | −1.87 (−2.38 to −1.34) | 11648.06 (5204.85 to 21754.58)  | 12.53 (5.60 to 23.44)           | 10082.90 (5311.33 to 16962.55)  | 6.41 (3.37 to 10.79)            | −2.40 (−2.79 to −2.01)  |
| Fiji                                  | 1.32 (0.20 to 4.14)          | 0.14 (0.02 to 0.43)             | 2.20 (0.31 to 6.64)            | 0.24 (0.03 to 0.72)             | 1.89 (1.45 to 2.34)    | 9.97 (1.70 to 29.16)            | 1.04 (0.18 to 3.05)             | 11.35 (1.73 to 31.55)           | 1.24 (0.19 to 3.43)             | 0.81 (0.31 to 1.32)     |
| Finland                               | 46.59 (32.09 to 63.42)       | 1.46 (1.01 to 1.99)             | 88.39 (55.57 to 120.11)        | 3.38 (2.11 to 4.63)             | 2.87 (2.47 to 3.28)    | 21.61 (15.49 to 29.01)          | 0.68 (0.48 to 0.91)             | 18.35 (11.18 to 27.92)          | 0.69 (0.42 to 1.04)             | −0.25 (−0.92 to 0.42)   |
| France                                | 646.86 (475.89 to 842.50)    | 1.65 (1.22 to 2.14)             | 834.00 (487.67 to 1251.93)     | 2.28 (1.33 to 3.40)             | 1.81 (0.95 to 2.68)    | 284.64 (224.08 to 355.99)       | 0.72 (0.57 to 0.91)             | 147.17 (87.00 to 226.36)        | 0.40 (0.24 to 0.62)             | −1.35 (−2.32 to −0.36)  |
| Gabon                                 | 4.69 (1.69 to 10.22)         | 0.31 (0.11 to 0.68)             | 8.35 (2.27 to 21.56)           | 0.39 (0.10 to 1.00)             | 1.23 (0.89 to 1.58)    | 44.75 (16.42 to 99.36)          | 2.96 (1.09 to 6.58)             | 43.88 (13.10 to 109.60)         | 2.03 (0.61 to 5.07)             | −0.68 (−0.97 to −0.39)  |
| Gambia                                | 17.44 (7.44 to 37.97)        | 0.99 (0.42 to 2.16)             | 41.71 (15.27 to 108.30)        | 1.19 (0.43 to 3.09)             | 0.57 (0.16 to 0.98)    | 164.65 (71.35 to 346.92)        | 9.31 (4.02 to 19.74)            | 296.21 (114.37 to 668.81)       | 8.43 (3.24 to 19.06)            | −0.36 (−0.74 to 0.03)   |
| Georgia                               | 3.72 (0.73 to 12.91)         | 0.08 (0.02 to 0.27)             | 20.77 (5.35 to 55.47)          | 0.83 (0.21 to 2.23)             | 10.75 (9.40 to 12.10)  | 9.75 (1.76 to 33.15)            | 0.21 (0.04 to 0.70)             | 38.39 (10.04 to 101.44)         | 1.53 (0.40 to 4.07)             | 9.99 (8.61 to 11.39)    |
| Germany                               | 456.10 (286.03 to 699.68)    | 1.02 (0.64 to 1.57)             | 422.30 (233.07 to 710.22)      | 1.04 (0.57 to 1.75)             | 0.63 (0.26 to 1.01)    | 206.78 (138.79 to 308.40)       | 0.46 (0.31 to 0.69)             | 76.09 (44.95 to 120.97)         | 0.19 (0.11 to 0.30)             | −1.98 (−2.39 to −1.56)  |
| Ghana                                 | 193.15 (74.01 to 452.20)     | 0.76 (0.29 to 1.78)             | 323.08 (105.03 to 839.30)      | 0.70 (0.23 to 1.82)             | 0.03 (−0.40 to 0.47)   | 1837.44 (706.73 to 4434.78)     | 7.20 (2.74 to 17.47)            | 2041.95 (703.99 to 4902.18)     | 4.43 (1.53 to 10.62)            | −1.13 (−1.43 to −0.82)  |
| Greece                                | 15.10 (9.26 to 24.95)        | 0.25 (0.15 to 0.40)             | 19.62 (9.82 to 35.54)          | 0.45 (0.23 to 0.82)             | 2.78 (1.49 to 4.09)    | 4.73 (3.10 to 7.47)             | 0.08 (0.05 to 0.12)             | 4.04 (2.08 to 7.26)             | 0.09 (0.05 to 0.17)             | 1.54 (0.04 to 3.06)     |
| Greenland                             | 0.21 (0.04 to 0.49)          | 0.39 (0.08 to 0.91)             | 0.09 (0.02 to 0.22)            | 0.23 (0.06 to 0.55)             | 0.32 (−0.80 to 1.46)   | 0.39 (0.08 to 0.83)             | 0.74 (0.16 to 1.54)             | 0.06 (0.02 to 0.14)             | 0.15 (0.04 to 0.34)             | −3.24 (−4.34 to −2.13)  |
| Grenada                               | 0.03 (0.01 to 0.06)          | 0.03 (0.01 to 0.05)             | 0.00 (0.00 to 0.01)            | 0.00 (0.00 to 0.01)             | −5.38 (−7.43 to −3.27) | 0.21 (0.09 to 0.40)             | 0.17 (0.08 to 0.33)             | 0.01 (0.00 to 0.01)             | 0.01 (0.01 to 0.02)             | −7.58 (−9.53 to −5.59)  |
| Guam                                  | 0.32 (0.08 to 1.00)          | 0.21 (0.05 to 0.66)             | 0.36 (0.09 to 1.32)            | 0.28 (0.07 to 1.05)             | 3.06 (2.35 to 3.78)    | 0.75 (0.20 to 2.30)             | 0.49 (0.13 to 1.50)             | 0.60 (0.15 to 2.08)             | 0.48 (0.12 to 1.65)             | 1.97 (1.41 to 2.54)     |
| Guatemala                             | 59.45 (25.11 to 124.00)      | 0.40 (0.17 to 0.83)             | 69.83 (35.01 to 131.73)        | 0.44 (0.22 to 0.82)             | 1.13 (0.88 to 1.37)    | 568.35 (238.90 to 1161.57)      | 3.81 (1.60 to 7.78)             | 295.10 (158.01 to 499.79)       | 1.84 (0.99 to 3.12)             | −1.80 (−1.97 to −1.64)  |
| Guinea                                | 227.30 (106.61 to 479.24)    | 2.06 (0.96 to 4.37)             | 286.80 (110.56 to 685.16)      | 1.30 (0.50 to 3.10)             | −1.16 (−1.39 to −0.93) | 2201.51 (1042.92 to 4612.71)    | 19.96 (9.41 to 41.85)           | 2674.52 (1054.87 to 6113.32)    | 12.08 (4.77 to 27.69)           | −1.23 (−1.46 to −1.00)  |
| Guinea-Bissau                         | 24.58 (10.23 to 59.85)       | 1.36 (0.56 to 3.33)             | 22.95 (9.12 to 53.94)          | 0.70 (0.28 to 1.65)             | −1.43 (−1.89 to −0.97) | 237.94 (98.01 to 569.98)        | 13.19 (5.43 to 31.81)           | 221.19 (85.76 to 527.31)        | 6.75 (2.62 to 16.16)            | −1.24 (−1.90 to −0.98)  |
| Guyana                                | 0.25 (0.12 to 0.50)          | 0.02 (0.01 to 0.05)             | 1.07 (0.43 to 2.21)            | 0.14 (0.06 to 0.30)             | 4.48 (1.19 to 7.88)    | 2.38 (1.16 to 4.60)             | 0.22 (0.11 to 0.43)             | 6.41 (3.16 to 12.32)            | 0.86 (0.43 to 1.65)             | 3.25 (−0.08 to 6.70)    |
| Haiti                                 | 7.49 (2.12 to 16.51)         | 0.07 (0.02 to 0.16)             | 6.65 (2.01 to 15.95)           | 0.04 (0.01 to 0.10)             | −1.59 (−1.74 to −1.44) | 72.26 (20.58 to 157.57)         | 0.71 (0.20 to 1.54)             | 63.82 (19.04 to 152.62)         | 0.41 (0.12 to 0.99)             | −1.59 (−1.74 to −1.44)  |
| Honduras                              | 29.44 (14.35 to 62.74)       | 0.37 (0.18 to 0.78)             | 44.77 (18.60 to 101.37)        | 0.41 (0.17 to 0.92)             | 0.39 (0.29 to 0.50)    | 276.84 (135.50 to 590.96)       | 3.45 (1.69 to 7.36)             | 245.49 (115.18 to 517.44)       | 2.23 (1.05 to 4.71)             | −1.48 (−1.59 to −1.36)  |
| Hungary                               | 14.87 (9.03 to 22.16)        | 0.23 (0.14 to 0.35)             | 20.53 (9.19 to 39.82)          | 0.45 (0.20 to 0.87)             | 3.24 (1.54 to 4.96)    | 29.93 (19.41 to 44.94)          | 0.47 (0.31 to 0.71)             | 12.91 (5.66 to 24.52)           | 0.28 (0.12 to 0.53)             | −0.37 (−1.75 to 1.02)   |
| Iceland                               | 4.10 (2.97 to 5.38)          | 1.90 (1.37 to 2.50)             | 4.79 (3.99 to 5.63)            | 2.18 (1.82 to 2.55)             | 0.80 (0.44 to 1.17)    | 1.19 (0.86 to 1.59)             | 0.55 (0.39 to 0.73)             | 1.52 (0.82 to 2.66)             | 0.69 (0.37 to 1.22)             | 1.14 (−0.11 to 2.42)    |
| India                                 | 6340.57 (2922.11 to 9657.93) | 0.55 (0.25 to 0.83)             | 7395.18 (4016.44 to 11637.42)  | 0.66 (0.36 to 1.04)             | 0.63 (0.15 to 1.12)    | 59516.98 (27178.97 to 90412.72) | 5.12 (2.34 to 7.78)             | 34814.07 (20462.60 to 53354.00) | 3.08 (1.80 to 4.72)             | −1.74 (−1.97 to −1.50)  |
| Indonesia                             | 231.30 (60.17 to 417.6       |                                 |                                |                                 |                        |                                 |                                 |                                 |                                 |                         |

| Table S3 <i>(continued)</i>      |                             |                                 |                              |                                 |                        |                                |                                 |                                |                                 |                         |
|----------------------------------|-----------------------------|---------------------------------|------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|-------------------------|
| Location                         | Prevalence                  |                                 |                              |                                 |                        | DALYs                          |                                 |                                |                                 |                         |
|                                  | Number of cases, 1990       | ASR per 100000 population, 1990 | Number of cases, 2021        | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                    | ASR per 100000 population, 1990 | Count, 2021                    | ASR per 100000 population, 2021 | EAPC, 1990–2021         |
| Malta                            | 0.28 (0.18 to 0.41)         | 0.10 (0.06 to 0.14)             | 0.26 (0.13 to 0.45)          | 0.12 (0.06 to 0.20)             | 0.91 (−0.07 to 1.89)   | 0.13 (0.09 to 0.18)            | 0.05 (0.03 to 0.06)             | 0.05 (0.03 to 0.09)            | 0.02 (0.01 to 0.04)             | −1.98 (−3.02 to −0.94)  |
| Marshall Islands                 | 0.07 (0.02 to 0.21)         | 0.09 (0.02 to 0.28)             | 0.08 (0.02 to 0.28)          | 0.15 (0.03 to 0.49)             | 1.34 (1.05 to 1.64)    | 0.64 (0.15 to 1.98)            | 0.85 (0.20 to 2.63)             | 0.64 (0.14 to 2.07)            | 1.12 (0.25 to 3.63)             | 0.79 (0.44 to 1.14)     |
| Mauritania                       | 30.58 (12.43 to 74.83)      | 0.86 (0.34 to 2.09)             | 60.13 (23.21 to 136.81)      | 0.92 (0.35 to 2.09)             | −0.01 (−0.35 to 0.32)  | 293.94 (119.92 to 717.90)      | 8.24 (3.35 to 20.22)            | 272.63 (112.59 to 607.28)      | 4.16 (1.72 to 9.26)             | −2.46 (−2.64 to −2.27)  |
| Mauritius                        | 0.48 (0.23 to 0.98)         | 0.05 (0.02 to 0.09)             | 0.86 (0.47 to 1.57)          | 0.13 (0.07 to 0.24)             | 7.20 (3.70 to 10.82)   | 1.89 (1.01 to 3.45)            | 0.18 (0.10 to 0.33)             | 1.59 (0.90 to 2.78)            | 0.24 (0.14 to 0.43)             | 4.98 (1.67 to 8.40)     |
| Mexico                           | 714.63 (499.66 to 1022.87)  | 0.62 (0.43 to 0.88)             | 762.91 (457.32 to 1148.27)   | 0.75 (0.45 to 1.14)             | 0.28 (−0.48 to 1.04)   | 4704.41 (3937.79 to 5580.25)   | 4.05 (3.39 to 4.81)             | 1770.45 (1147.04 to 2595.41)   | 1.73 (1.12 to 2.54)             | −2.90 (−3.35 to −2.45)  |
| Micronesia (Federated States of) | 0.20 (0.05 to 0.68)         | 0.13 (0.03 to 0.43)             | 0.14 (0.03 to 0.52)          | 0.15 (0.03 to 0.54)             | 1.12 (0.86 to 1.38)    | 1.94 (0.47 to 6.22)            | 1.23 (0.30 to 3.93)             | 0.91 (0.20 to 3.17)            | 0.94 (0.21 to 3.30)             | −0.35 (−0.65 to −0.05)  |
| Monaco                           | 0.01 (0.01 to 0.02)         | 0.11 (0.05 to 0.21)             | 0.07 (0.03 to 0.14)          | 0.40 (0.16 to 0.87)             | 1.75 (0.78 to 2.72)    | 0.00 (0.00 to 0.01)            | 0.03 (0.01 to 0.05)             | 0.01 (0.00 to 0.02)            | 0.07 (0.03 to 0.14)             | 0.11 (−0.89 to 1.11)    |
| Mongolia                         | 7.25 (1.28 to 18.44)        | 0.22 (0.04 to 0.56)             | 25.54 (7.74 to 65.19)        | 0.65 (0.20 to 1.65)             | 4.60 (3.95 to 5.25)    | 67.73 (12.58 to 175.17)        | 2.07 (0.38 to 5.34)             | 86.66 (29.75 to 217.55)        | 2.19 (0.75 to 5.51)             | 0.62 (0.30 to 0.93)     |
| Montenegro                       | 0.32 (0.11 to 0.85)         | 0.06 (0.02 to 0.16)             | 0.11 (0.03 to 0.28)          | 0.03 (0.01 to 0.08)             | 0.25 (−0.47 to 0.97)   | 0.33 (0.11 to 0.86)            | 0.06 (0.02 to 0.16)             | 0.07 (0.02 to 0.16)            | 0.02 (0.01 to 0.04)             | −2.16 (−2.87 to −1.44)  |
| Morocco                          | 373.05 (168.29 to 748.05)   | 1.06 (0.48 to 2.15)             | 596.88 (244.07 to 1189.80)   | 1.83 (0.75 to 3.67)             | 2.26 (2.08 to 2.43)    | 3100.94 (1402.95 to 6125.00)   | 8.85 (3.99 to 17.54)            | 1676.57 (716.07 to 3249.15)    | 5.14 (2.20 to 9.91)             | −1.36 (−1.60 to −1.12)  |
| Mozambique                       | 731.36 (351.00 to 1474.85)  | 3.15 (1.50 to 6.38)             | 1007.36 (455.00 to 1900.74)  | 1.96 (0.89 to 3.70)             | −1.08 (−1.36 to −0.81) | 7035.80 (3416.24 to 14047.30)  | 30.23 (14.60 to 60.72)          | 9565.10 (4511.54 to 18287.64)  | 18.60 (8.78 to 35.59)           | −1.10 (−1.38 to −0.82)  |
| Myanmar                          | 87.51 (21.19 to 218.61)     | 0.17 (0.04 to 0.44)             | 107.58 (22.82 to 289.88)     | 0.21 (0.04 to 0.55)             | 0.27 (−0.02 to 0.56)   | 842.94 (201.96 to 2258.27)     | 1.68 (0.40 to 4.51)             | 621.46 (140.28 to 1752.39)     | 1.18 (0.27 to 3.35)             | −1.33 (−1.48 to −1.18)  |
| Namibia                          | 19.63 (8.92 to 41.80)       | 0.89 (0.40 to 1.89)             | 57.97 (26.07 to 126.74)      | 2.08 (0.94 to 4.56)             | 3.34 (2.67 to 4.01)    | 185.76 (85.58 to 402.60)       | 8.42 (3.85 to 18.19)            | 294.64 (139.98 to 611.23)      | 10.58 (5.03 to 21.98)           | 1.31 (0.89 to 1.72)     |
| Nauru                            | 0.02 (0.01 to 0.08)         | 0.15 (0.04 to 0.47)             | 0.03 (0.01 to 0.10)          | 0.23 (0.05 to 0.73)             | 1.12 (0.94 to 1.29)    | 0.22 (0.06 to 0.65)            | 1.37 (0.35 to 4.05)             | 0.19 (0.05 to 0.63)            | 1.38 (0.34 to 4.55)             | 0.04 (−0.28 to 0.36)    |
| Nepal                            | 199.45 (89.53 to 453.34)    | 0.63 (0.28 to 1.43)             | 201.89 (83.28 to 452.50)     | 0.65 (0.27 to 1.46)             | 0.58 (0.16 to 1.00)    | 1920.48 (876.42 to 4332.85)    | 6.04 (2.75 to 13.71)            | 1052.74 (503.46 to 2151.80)    | 3.39 (1.62 to 6.94)             | −1.50 (−1.74 to −1.25)  |
| Netherlands                      | 197.12 (145.75 to 252.51)   | 2.12 (1.57 to 2.72)             | 221.35 (135.20 to 316.84)    | 2.54 (1.56 to 3.63)             | 0.88 (0.24 to 1.52)    | 58.72 (46.14 to 75.34)         | 0.63 (0.50 to 0.81)             | 35.15 (21.98 to 51.49)         | 0.40 (0.25 to 0.59)             | −1.50 (−2.22 to −0.77)  |
| New Zealand                      | 7.12 (3.46 to 13.38)        | 0.26 (0.13 to 0.49)             | 3.30 (0.99 to 8.71)          | 0.10 (0.03 to 0.28)             | −0.20 (−3.53 to 3.24)  | 2.41 (1.21 to 4.38)            | 0.09 (0.04 to 0.16)             | 0.56 (0.20 to 1.45)            | 0.02 (0.01 to 0.05)             | −2.69 (−6.29 to 1.05)   |
| Nicaragua                        | 57.42 (21.46 to 171.51)     | 0.88 (0.33 to 2.61)             | 50.99 (23.67 to 103.71)      | 0.77 (0.36 to 1.56)             | 0.75 (0.22 to 1.27)    | 393.05 (151.83 to 1069.38)     | 5.99 (2.31 to 16.30)            | 123.43 (59.12 to 232.19)       | 1.87 (0.89 to 3.52)             | −2.93 (−3.37 to −2.48)  |
| Niger                            | 217.87 (93.57 to 524.01)    | 1.38 (0.59 to 3.37)             | 359.89 (144.30 to 882.52)    | 0.73 (0.29 to 1.80)             | −2.04 (−2.32 to −1.76) | 2109.77 (900.13 to 5343.81)    | 13.40 (5.66 to 34.41)           | 3396.10 (1337.12 to 8357.84)   | 6.91 (2.72 to 17.02)            | −2.13 (−2.41 to −1.86)  |
| Nigeria                          | 1413.01 (623.95 to 2213.46) | 0.95 (0.42 to 1.49)             | 3584.26 (1177.74 to 6539.68) | 0.98 (0.32 to 1.80)             | 0.19 (−0.00 to 0.39)   | 12857.56 (5841.45 to 20276.37) | 8.61 (3.91 to 13.65)            | 24939.61 (8828.85 to 43745.63) | 6.85 (2.42 to 12.01)            | −0.70 (−0.83 to −0.58)  |
| Niue                             | 0.01 (0.00 to 0.02)         | 0.27 (0.06 to 0.92)             | 0.02 (0.01 to 0.08)          | 1.99 (0.48 to 6.93)             | 3.25 (2.04 to 4.48)    | 0.04 (0.01 to 0.13)            | 1.54 (0.36 to 4.94)             | 0.06 (0.02 to 0.22)            | 5.40 (1.38 to 18.50)            | 0.82 (−0.37 to 2.03)    |
| North Macedonia                  | 0.05 (0.02 to 0.11)         | 0.00 (0.00 to 0.01)             | 0.04 (0.01 to 0.11)          | 0.00 (0.00 to 0.01)             | 3.35 (2.22 to 4.49)    | 0.15 (0.06 to 0.32)            | 0.01 (0.00 to 0.02)             | 0.04 (0.01 to 0.11)            | 0.00 (0.00 to 0.01)             | −0.94 (−1.71 to −0.17)  |
| Northern Mariana Islands         | 0.03 (0.01 to 0.09)         | 0.06 (0.01 to 0.21)             | 0.02 (0.00 to 0.05)          | 0.05 (0.01 to 0.16)             | −0.52 (−1.29 to 0.26)  | 0.07 (0.02 to 0.25)            | 0.16 (0.04 to 0.57)             | 0.03 (0.01 to 0.09)            | 0.09 (0.02 to 0.28)             | −1.23 (−1.75 to −0.71)  |
| Norway                           | 7.96 (6.41 to 9.88)         | 0.29 (0.23 to 0.36)             | 1.02 (0.62 to 1.53)          | 0.04 (0.02 to 0.05)             | −4.74 (−6.94 to −2.49) | 2.92 (2.50 to 3.44)            | 0.11 (0.09 to 0.12)             | 0.16 (0.10 to 0.23)            | 0.01 (0.00 to 0.01)             | −7.35 (−9.23 to −5.43)  |
| Oman                             | 6.50 (2.21 to 14.28)        | 0.20 (0.07 to 0.45)             | 13.26 (5.01 to 27.06)        | 0.31 (0.12 to 0.64)             | 1.95 (1.37 to 2.54)    | 26.22 (9.25 to 53.72)          | 0.82 (0.29 to 1.70)             | 12.32 (4.64 to 24.57)          | 0.29 (0.11 to 0.58)             | −2.56 (−3.09 to −2.01)  |
| Pakistan                         | 864.01 (397.15 to 1616.00)  | 0.47 (0.22 to 0.89)             | 2523.23 (1087.94 to 4566.50) | 0.85 (0.37 to 1.54)             | 2.44 (2.26 to 2.61)    | 8223.77 (3771.88 to 15545.48)  | 4.49 (2.05 to 8.55)             | 18533.72 (8336.01 to 33047.25) | 6.25 (2.81 to 11.14)            | 1.67 (1.42 to 1.91)     |
| Palau                            | 0.02 (0.01 to 0.08)         | 0.16 (0.04 to 0.54)             | 0.03 (0.01 to 0.10)          | 0.28 (0.07 to 0.99)             | 1.66 (1.36 to 1.96)    | 0.12 (0.03 to 0.38)            | 0.79 (0.21 to 2.56)             | 0.07 (0.02 to 0.28)            | 0.76 (0.18 to 2.85)             | −0.03 (−0.26 to 0.20)   |
| Palestine                        | 2.17 (0.72 to 4.98)         | 0.06 (0.02 to 0.13)             | 6.89 (2.83 to 13.72)         | 0.11 (0.05 to 0.22)             | 2.88 (2.13 to 3.63)    | 10.69 (3.89 to 23.16)          | 0.29 (0.10 to 0.62)             | 11.17 (4.74 to 20.95)          | 0.18 (0.08 to 0.34)             | −0.71 (−1.35 to −0.07)  |
| Panama                           | 21.35 (8.73 to 45.38)       | 0.75 (0.31 to 1.59)             | 40.98 (20.67 to 77.46)       | 1.08 (0.55 to 2.02)             | 1.42 (1.24 to 1.60)    | 85.18 (38.75 to 179.14)        | 2.98 (1.35 to 6.28)             | 60.63 (31.70 to 111.30)        | 1.59 (0.84 to 2.89)             | −1.50 (−1.72 to −1.28)  |
| Papua New Guinea                 | 8.20 (1.78 to 27.43)        | 0.13 (0.03 to 0.44)             | 23.75 (5.13 to 81.04)        | 0.16 (0.03 to 0.55)             | 0.63 (0.25 to 1.00)    | 76.94 (16.35 to 264.52)        | 1.23 (0.26 to 4.23)             | 200.72 (43.89 to 756.64)       | 1.37 (0.30 to 5.16)             | 0.35 (−0.07 to 0.77)    |
| Paraguay                         | 40.81 (14.90 to 84.07)      | 0.67 (0.25 to 1.38)             | 68.70 (25.27 to 152.10)      | 1.04 (0.38 to 2.30)             | 2.15 (1.88 to 2.43)    | 224.19 (85.34 to 442.19)       | 3.69 (1.40 to 7.25)             | 167.40 (65.07 to 383.92)       | 2.52 (0.97 to 5.82)             | −0.50 (−0.76 to −0.24)  |
| Peru                             | 312.37 (157.73 to 618.19)   | 1.08 (0.55 to 2.15)             | 583.18 (238.48 to 1208.36)   | 1.77 (0.72 to 3.67)             | 2.74 (2.36 to 3.12)    | 2470.79 (1262.23 to 4608.93)   | 8.58 (4.36 to 16.03)            | 881.99 (377.03 to 1812.05)     | 2.68 (1.14 to 5.50)             | −3.04 (−3.26 to −2.81)  |
| Philippines                      | 324.36 (81.94 to 631.24)    | 0.36 (0.09 to 0.70)             | 648.18 (175.55 to 1127.15)   | 0.57 (0.16 to 1.00)             | 1.86 (1.62 to 2.09)    | 2219.90 (561.00 to 4000.35)    | 2.47 (0.62 to 4.44)             | 3007.16 (868.57 to 5084.21)    | 2.66 (0.77 to 4.49)             | 0.78 (0.49 to 1.06)     |
| Poland                           | 6.70 (4.84 to 8.96)         | 0.02 (0.02 to 0.03)             | 7.28 (4.04 to 13.13)         | 0.04 (0.02 to 0.07)             | 0.21 (−2.77 to 3.28)   | 17.25 (13.13 to 21.49)         | 0.06 (0.04 to 0.07)             | 5.05 (2.94 to 8.83)            | 0.03 (0.02 to 0.05)             | −3.97 (−6.67 to −1.18)  |
| Portugal                         | 188.93 (126.61 to 257.89)   | 3.09 (2.09 to 4.20)             | 173.84 (116.16 to 214.49)    | 4.03 (2.71 to 4.97)             | 1.33 (0.20 to 2.48)    | 143.14 (104.96 to 201.48)      | 2.32 (1.72 to 3.25)             | 43.88 (25.71 to 68.92)         | 1.01 (0.59 to 1.59)             | −2.42 (−4.00 to −0.82)  |
| Puerto Rico                      | 8.57 (4.54 to 16.99)        | 0.27 (0.14 to 0.53)             | 0.75 (0.42 to 1.36)          | 0.07 (0.04 to 0.12)             | −3.50 (−5.99 to −0.95) | 18.06 (9.86 to 33.91)          | 0.56 (0.31 to 1.06)             | 0.56 (0.33 to 1.01)            | 0.05 (0.03 to 0.09)             | −7.01 (−9.23 to −4.74)  |
| Qatar                            | 0.01 (0.00 to 0.01)         | 0.00 (0.00 to 0.00)             | 0.02 (0.01 to 0.04)          | 0.00 (0.00 to 0.00)             | 0.75 (−2.35 to 3.94)   | 0.01 (0.00 to 0.04)            | 0.00 (0.00 to 0.01)             | 0.01 (0.00 to 0.02)            | 0.00 (0.00 to 0.00)             | −4.60 (−7.41 to −1.72)  |
| Republic of Korea                | 322.65 (151.58 to 592.27)   | 0.92 (0.43 to 1.66)             | 426.64 (239.16 to 697.09)    | 2.55 (1.44 to 4.13)             | 3.70 (3.20 to 4.21)    | 425.52 (225.16 to 718.63)      | 1.20 (0.64 to 2.00)             | 82.95 (45.85 to 139.23)        | 0.50 (0.28 to 0.84)             | −2.68 (−3.07 to −2.28)  |
| Republic of Moldova              | 50.38 (18.40 to 129.73)     | 1.16 (0.32 to 2.95)             | 7.61 (3.23 to 15.36)         | 0.47 (0.20 to 0.96)             | −3.48 (−4.21 to −2.75) | 152.48 (59.55 to 346.05)       | 3.51 (1.37 to 7.93)             | 9.45 (4.12 to 18.94)           | 0.58 (0.25 to 1.17)             | −6.21 (−6.64 to −5.78)  |
| Romania                          | 178.47 (61.00 to 412.54)    | 1.00 (0.34 to 2.31)             | 73.23 (34.83 to 144.99)      | 0.76 (0.36 to 1.52)             | −1.72 (−2.50 to −0.94) | 586.39 (202.09 to 1310.12)     | 3.28 (1.13 to 7.34)             | 63.19 (31.32 to 122.87)        | 0.66 (0.32 to 1.29)             | −6.15 (−6.88 to −5.42)  |
| Russian Federation               | 714.17 (481.70 to 1028.09)  | 0.60 (0.40 to 0.87)             | 290.58 (215.09 to 391.10)    | 0.36 (0.27 to 0.49)             | −2.48 (−3.14 to −1.81) | 1597.57 (1149.72 to 2161.69)   | 1.34 (0.97 to 1.82)             | 248.71 (189.17 to 326.06)      | 0.31 (0.23 to 0.40)             | −6.08 (−7.09 to −5.06)  |
| Rwanda                           | 332.99 (156.35 to 681.27)   | 2.54 (1.20 to 5.19)             | 260.64 (94.16 to 559.93)     | 1.50 (0.54 to 3.23)             | −1.43 (−1.83 to −1.04) | 3213.17 (1527.80 to 6656.16)   | 24.48 (11.68 to 50.72)          | 2114.44 (842.03 to 4372.02)    | 12.18 (4.84 to 25.16)           | −1.98 (−2.35 to −1.62)  |
| Saint Kitts and Nevis            | 0.00 (0.00 to 0.00)         | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)          | 0.00 (0.00 to 0.00)             | −5.26 (−7.19 to −3.30) | 0.00 (0.00 to 0.01)            | 0.01 (0.00 to 0.01)             | 0.00 (0.00 to 0.00)            | 0.00 (0.00 to 0.00)             | −8.71 (−10.34 to −7.04) |
| Saint Lucia                      | 0.04 (0.02 to 0.09)         | 0.02 (0.01 to 0.05)             | 0.01 (0.00 to 0.02)          | 0.01 (0.00 to 0.02)             | −1.89 (−3.25 to −0.50) | 0.24 (0.09 to 0.51)            | 0.13 (0.05 to 0.29)             | 0.02 (0.01 to 0.05)            | 0.03 (0.01 to 0.06)             | −4.66 (−5.89 to −3.40)  |
| Saint Vincent and the Grenadines | 2.21 (0.87 to 5.32)         | 1.69 (0.67 to 4.07)             | 0.15 (0.05 to 0.33)          | 0.19 (0.07 to 0.41)             | −6.48 (−8.29 to −4.62) | 12.97 (6.06 to 29.42)          | 9.87 (4.54 to 22.41)            | 0.49 (0.19 to 1.08)            | 0.62 (0.24 to 1.33)             | −8.17 (−9.78 to −6.53)  |
| Samoa                            | 0.77 (0.26 to 1.84)         | 0.30 (0.10 to 0.73)             | 1.20 (0.38 to 3.28)          | 0.41 (0.13 to 1.14)             | 0.85 (0.62 to 1.09)    | 5.60 (2.08 to 12.42)           | 2.21 (0.83 to 4.91)             | 4.55 (1.55 to 12.19)           | 1.57 (0.53 to 4.21)             | −1.07 (−1.27 to −0.87)  |
| San Marino                       | 0.05 (0.02 to 0.12)         | 0.43 (0.17 to 1.01)             | 0.05 (0.02 to 0.11)          | 0.39 (0.13 to 0.83)             | −0.15 (−0.35 to 0.05)  | 0.01 (0.01 to 0.03)            | 0.11 (0.04 to 0.25)             | 0.01 (0.00 to 0.02)            | 0.07 (0.02 to 0.15)             | −1.40 (−1.67 to −1.12)  |
| Sao Tome and Principe            | 2.03 (0.71 to 4.93)         | 1.01 (0.35 to 2.46)             | 2.85 (0.95 to 6.91)          | 1.13 (0.38 to 2.73)             | 0.83 (−0.43 to 2.10)   | 18.94 (6.75 to 46.44)          | 9.44 (3.33 to 23.19)            | 12.21 (4.38 to 28.57)          | 4.84 (1.74 to 11.30)            | −1.75 (−2.80 to −0.68)  |
| Saudi Arabia                     | 57.18 (6.02 to 138.32)      | 0.24 (0.03 to 0.58)             | 82.26 (16.67 to 195.40)      | 0.33 (0.07 to 0.79)             | 2.19 (0.41 to 4.00)    | 355.11 (36.92 to 850.63)       | 1.48 (0.15 to 3.55)             | 92.96 (19.10 to 221.01)        | 0.37 (0.08 to 0.88)             | −3.65 (−5.25 to −2.03)  |
| Senegal                          | 166.69 (67.11 to 400.15)    | 1.19 (0.47 to 2.87)             | 213.44 (77.69 to 525.87)     | 0.95 (0.35 to 2.34)             | −0.21 (−0.67 to 0.25)  | 1599.70 (649.52 to 3864.49)    | 11.39 (4.54 to 27.72)           | 1533.45 (617.86 to 3628.09)    | 6.83 (2.75 to 16.16)            | −1.03 (−1.46 to −0.60)  |
| Serbia                           | 18.27 (7.12 to 40.85)       | 0.26 (0.10 to 0.59)             | 6.88 (2.81 to 14.72)         | 0.18 (0.07 to 0.39)             | −1.24 (−1.89 to −0.59) | 43.58 (17.66 to 91.22)         | 0.62 (0.25 to 1.29)             | 4.94 (1.99 to 10.27)           | 0.13 (0.05 to 0.27)             | −5.50 (−6.18 to −4.81)  |
| Seychelles                       | 0.00 (0.00 to 0.00)         | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)          | 0.00 (0.00 to 0.00)             | 1.38 (1.03 to 1.74)    | 0.00 (0.00 to 0.00)            | 0.00 (0.00 to 0.00)             | 0.00 (0.00 to 0.00)            | 0.00 (0.00 to 0.00)             | −1.48 (−1.70 to −1.27)  |
| Sierra Leone                     | 71.95 (29.35 to 155.18)     | 0.99 (0.39 to 2.17)             | 94.37 (34.17 to 242.04)      | 0.72 (0.26 to 1.84)             | −0.85 (−1.15 to −0.56) | 695.37 (280.30 to 1495.7       |                                 |                                |                                 |                         |

Table S3 (continued)

| Location                           | Prevalence                   |                                 |                              |                                 |                        | DALYs                          |                                 |                                |                                 |                        |
|------------------------------------|------------------------------|---------------------------------|------------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|------------------------|
|                                    | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021        | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                    | ASR per 100000 population, 1990 | Count, 2021                    | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Uganda                             | 651.70 (292.15 to 1237.31)   | 1.90 (0.85 to 3.64)             | 1144.73 (467.99 to 2715.29)  | 1.58 (0.65 to 3.76)             | −0.38 (−0.71 to −0.04) | 6288.01 (2788.48 to 11540.66)  | 18.28 (8.06 to 33.65)           | 8989.97 (3994.67 to 19338.92)  | 12.44 (5.52 to 26.90)           | −0.93 (−1.22 to −0.63) |
| Ukraine                            | 135.95 (64.48 to 268.14)     | 0.35 (0.17 to 0.70)             | 85.82 (43.36 to 152.28)      | 0.47 (0.23 to 0.85)             | 1.63 (1.18 to 2.09)    | 266.29 (131.38 to 509.31)      | 0.69 (0.34 to 1.31)             | 113.69 (57.78 to 196.84)       | 0.61 (0.29 to 1.06)             | −0.16 (−0.54 to 0.22)  |
| United Arab Emirates               | 2.26 (0.69 to 5.59)          | 0.10 (0.03 to 0.25)             | 8.97 (3.43 to 18.46)         | 0.20 (0.08 to 0.41)             | 3.96 (3.17 to 4.76)    | 11.72 (3.85 to 28.52)          | 0.52 (0.17 to 1.26)             | 14.25 (5.58 to 29.75)          | 0.32 (0.13 to 0.67)             | 0.17 (−0.47 to 0.80)   |
| United Kingdom                     | 69.34 (58.15 to 82.07)       | 0.18 (0.15 to 0.22)             | 188.47 (151.20 to 229.11)    | 0.50 (0.40 to 0.61)             | 1.68 (0.38 to 3.00)    | 29.82 (26.53 to 33.64)         | 0.08 (0.07 to 0.09)             | 56.90 (44.57 to 71.65)         | 0.15 (0.12 to 0.19)             | −0.07 (−1.80 to 1.70)  |
| United Republic of Tanzania        | 1043.92 (427.31 to 2190.30)  | 2.25 (0.90 to 4.73)             | 1747.43 (657.91 to 3929.22)  | 1.99 (0.75 to 4.49)             | 0.11 (−0.15 to 0.37)   | 10044.16 (4174.85 to 21275.01) | 21.62 (8.77 to 46.21)           | 13365.61 (5531.81 to 27551.04) | 15.25 (6.30 to 31.49)           | −0.52 (−0.80 to −0.24) |
| United States of America           | 3726.33 (3093.05 to 4405.45) | 1.91 (1.59 to 2.26)             | 1943.44 (1330.05 to 2786.97) | 1.02 (0.69 to 1.45)             | −1.26 (−1.75 to −0.76) | 1367.65 (1201.89 to 1563.07)   | 0.70 (0.62 to 0.80)             | 470.39 (348.27 to 635.05)      | 0.24 (0.18 to 0.33)             | −2.58 (−3.19 to −1.97) |
| United States Virgin Islands       | 0.81 (0.26 to 1.93)          | 0.75 (0.23 to 1.77)             | 0.20 (0.06 to 0.45)          | 0.52 (0.16 to 1.18)             | −1.43 (−1.92 to −0.93) | 2.82 (0.98 to 6.59)            | 2.60 (0.90 to 6.02)             | 0.33 (0.11 to 0.76)            | 0.86 (0.28 to 2.00)             | −3.59 (−4.01 to −3.17) |
| Uruguay                            | 39.58 (19.85 to 70.32)       | 1.44 (0.72 to 2.57)             | 28.37 (15.99 to 47.25)       | 1.37 (0.76 to 2.26)             | −0.36 (−0.69 to −0.04) | 54.25 (31.81 to 89.65)         | 1.98 (1.16 to 3.28)             | 17.05 (9.33 to 29.34)          | 0.82 (0.44 to 1.41)             | −2.94 (−3.37 to −2.52) |
| Uzbekistan                         | 64.42 (15.63 to 200.35)      | 0.20 (0.05 to 0.62)             | 166.82 (51.87 to 373.01)     | 0.45 (0.14 to 1.00)             | 3.22 (2.71 to 3.73)    | 325.30 (79.58 to 973.37)       | 1.01 (0.25 to 3.03)             | 497.81 (164.25 to 1084.27)     | 1.34 (0.44 to 2.92)             | 1.03 (0.69 to 1.37)    |
| Vanuatu                            | 0.23 (0.05 to 0.76)          | 0.09 (0.02 to 0.30)             | 0.41 (0.09 to 1.39)          | 0.10 (0.02 to 0.33)             | 1.14 (0.47 to 1.82)    | 2.16 (0.47 to 7.35)            | 0.83 (0.18 to 2.85)             | 3.36 (0.71 to 11.43)           | 0.80 (0.17 to 2.73)             | 0.77 (0.07 to 1.48)    |
| Venezuela (Bolivarian Republic of) | 112.32 (49.59 to 215.65)     | 0.45 (0.20 to 0.87)             | 129.91 (60.93 to 282.40)     | 0.59 (0.28 to 1.29)             | 1.62 (1.07 to 2.17)    | 650.65 (318.71 to 1256.34)     | 2.62 (1.28 to 5.04)             | 304.15 (146.92 to 645.49)      | 1.38 (0.66 to 2.94)             | −1.36 (−1.67 to −1.04) |
| Viet Nam                           | 938.16 (417.72 to 1885.55)   | 1.00 (0.44 to 2.01)             | 1370.71 (574.39 to 2792.42)  | 1.65 (0.69 to 3.34)             | 1.55 (1.38 to 1.73)    | 6165.81 (3212.74 to 12184.28)  | 6.57 (3.42 to 12.97)            | 2386.36 (1028.56 to 4706.55)   | 2.86 (1.24 to 5.62)             | −2.90 (−3.05 to −2.75) |
| Yemen                              | 2.39 (0.52 to 7.74)          | 0.01 (0.00 to 0.03)             | 5.84 (0.97 to 21.09)         | 0.01 (0.00 to 0.04)             | 1.85 (1.48 to 2.22)    | 22.91 (5.04 to 75.02)          | 0.08 (0.02 to 0.27)             | 31.83 (5.79 to 110.81)         | 0.07 (0.01 to 0.24)             | −0.48 (−0.72 to −0.24) |
| Zambia                             | 344.96 (166.18 to 677.48)    | 2.38 (1.13 to 4.79)             | 431.18 (186.69 to 918.50)    | 1.48 (0.64 to 3.15)             | −1.47 (−1.68 to −1.27) | 3336.14 (1607.82 to 6569.06)   | 22.99 (10.81 to 45.97)          | 3505.82 (1566.94 to 7272.72)   | 12.03 (5.38 to 24.94)           | −1.89 (−2.18 to −1.59) |
| Zimbabwe                           | 62.61 (29.89 to 120.34)      | 0.36 (0.17 to 0.69)             | 127.55 (44.73 to 295.73)     | 0.58 (0.20 to 1.34)             | 4.09 (2.58 to 5.62)    | 540.96 (272.50 to 999.76)      | 3.10 (1.56 to 5.73)             | 1160.59 (396.22 to 2680.72)    | 5.27 (1.80 to 12.18)            | 4.74 (3.14 to 6.37)    |
| Hepatoblastoma+retinoblastoma      |                              |                                 |                              |                                 |                        |                                |                                 |                                |                                 |                        |
| Afghanistan                        | 266.31 (53.96 to 560.34)     | 1.51 (0.30 to 3.23)             | 418.91 (114.39 to 688.09)    | 0.76 (0.21 to 1.26)             | −1.53 (−1.93 to −1.14) | 2186.80 (725.87 to 3906.41)    | 12.55 (4.15 to 22.61)           | 3241.09 (2101.06 to 4990.50)   | 5.93 (3.82 to 9.16)             | −1.80 (−2.16 to −1.44) |
| Albania                            | 101.86 (57.58 to 154.04)     | 2.57 (1.45 to 3.88)             | 16.81 (9.94 to 28.52)        | 1.19 (0.70 to 2.02)             | −2.65 (−3.23 to −2.06) | 728.65 (485.15 to 1046.41)     | 18.41 (12.25 to 26.43)          | 69.83 (41.70 to 116.24)        | 4.88 (2.94 to 8.14)             | −4.66 (−5.06 to −4.25) |
| Algeria                            | 289.86 (123.15 to 493.60)    | 0.78 (0.33 to 1.32)             | 350.72 (181.25 to 628.74)    | 0.75 (0.39 to 1.35)             | −0.06 (−0.25 to 0.14)  | 1938.99 (1248.10 to 3110.58)   | 5.20 (3.35 to 8.33)             | 1114.72 (640.95 to 1854.34)    | 2.40 (1.38 to 4.01)             | −2.33 (−2.47 to −2.19) |
| American Samoa                     | 0.09 (0.03 to 0.21)          | 0.12 (0.04 to 0.28)             | 0.07 (0.03 to 0.20)          | 0.20 (0.07 to 0.52)             | 1.56 (1.14 to 1.99)    | 0.57 (0.27 to 1.19)            | 0.76 (0.36 to 1.59)             | 0.40 (0.18 to 0.91)            | 1.06 (0.46 to 2.44)             | 1.14 (0.63 to 1.66)    |
| Andorra                            | 0.98 (0.39 to 1.74)          | 3.50 (1.40 to 6.22)             | 0.50 (0.28 to 0.88)          | 1.95 (1.07 to 3.41)             | −1.67 (−1.97 to −1.36) | 2.44 (1.04 to 4.28)            | 8.62 (3.64 to 15.07)            | 0.94 (0.55 to 1.48)            | 3.54 (2.05 to 5.68)             | −2.52 (−2.85 to −2.19) |
| Angola                             | 588.79 (113.37 to 1292.17)   | 3.13 (0.59 to 6.91)             | 583.15 (149.25 to 1289.19)   | 1.04 (0.27 to 2.31)             | −3.66 (−3.81 to −3.51) | 4966.67 (1867.40 to 9706.02)   | 26.55 (10.03 to 52.04)          | 4598.68 (1572.91 to 9831.12)   | 8.24 (2.82 to 17.62)            | −3.84 (−4.01 to −3.66) |
| Antigua and Barbuda                | 0.10 (0.05 to 0.19)          | 0.17 (0.09 to 0.31)             | 0.06 (0.05 to 0.08)          | 0.12 (0.09 to 0.15)             | −1.25 (−1.66 to −0.84) | 0.60 (0.42 to 0.92)            | 0.99 (0.69 to 1.52)             | 0.36 (0.29 to 0.43)            | 0.67 (0.55 to 0.82)             | −1.19 (−1.50 to −0.89) |
| Argentina                          | 291.57 (144.08 to 545.09)    | 0.85 (0.42 to 1.58)             | 144.52 (76.73 to 233.88)     | 0.46 (0.25 to 0.74)             | −1.17 (−1.92 to −0.41) | 671.13 (430.75 to 1058.30)     | 1.95 (1.25 to 3.06)             | 240.41 (169.87 to 327.80)      | 0.76 (0.54 to 1.04)             | −2.42 (−2.92 to −1.90) |
| Armenia                            | 22.95 (15.40 to 30.86)       | 0.61 (0.41 to 0.82)             | 14.67 (7.42 to 26.02)        | 0.77 (0.40 to 1.35)             | 1.71 (1.03 to 2.38)    | 157.72 (126.18 to 201.39)      | 4.21 (3.37 to 5.37)             | 47.59 (31.94 to 73.10)         | 2.48 (1.66 to 3.81)             | −1.32 (−1.55 to −1.10) |
| Australia                          | 114.08 (89.05 to 141.26)     | 0.90 (0.70 to 1.11)             | 127.39 (90.66 to 172.38)     | 0.85 (0.61 to 1.14)             | −0.74 (−0.01 to 1.50)  | 160.53 (139.10 to 184.37)      | 1.27 (1.10 to 1.46)             | 232.16 (181.53 to 292.47)      | 1.53 (1.19 to 1.93)             | 0.89 (0.63 to 1.15)    |
| Austria                            | 79.92 (58.66 to 105.98)      | 1.77 (1.30 to 2.34)             | 75.70 (44.11 to 120.81)      | 1.75 (1.02 to 2.78)             | 0.69 (0.18 to 1.19)    | 91.13 (75.44 to 110.75)        | 2.02 (1.67 to 2.45)             | 52.80 (38.33 to 72.25)         | 1.23 (0.89 to 1.68)             | −1.23 (−1.57 to −0.89) |
| Azerbaijan                         | 95.84 (30.74 to 218.34)      | 1.08 (0.35 to 2.46)             | 92.33 (30.90 to 229.59)      | 1.23 (0.42 to 3.03)             | 0.53 (0.40 to 0.67)    | 661.98 (296.93 to 1378.83)     | 7.52 (3.40 to 15.61)            | 397.77 (179.40 to 834.51)      | 5.25 (2.34 to 11.05)            | −1.43 (−1.65 to −1.21) |
| Bahamas                            | 1.61 (0.78 to 2.88)          | 0.62 (0.30 to 1.11)             | 0.82 (0.36 to 1.79)          | 0.38 (0.17 to 0.84)             | −0.74 (−2.17 to 0.71)  | 8.81 (5.58 to 14.67)           | 3.35 (2.10 to 5.65)             | 3.08 (1.77 to 5.68)            | 1.40 (0.79 to 2.64)             | −2.41 (−3.43 to −1.38) |
| Bahrain                            | 2.01 (1.15 to 3.02)          | 0.33 (0.19 to 0.49)             | 3.58 (1.55 to 6.90)          | 0.38 (0.17 to 0.73)             | 1.98 (1.09 to 2.89)    | 13.75 (9.85 to 19.28)          | 2.24 (1.60 to 3.15)             | 10.02 (5.87 to 15.81)          | 1.07 (0.63 to 1.67)             | −1.91 (−2.52 to −1.29) |
| Bangladesh                         | 2595.94 (846.73 to 5028.49)  | 1.39 (0.45 to 2.71)             | 1719.95 (840.81 to 3327.70)  | 1.18 (0.58 to 2.28)             | −0.38 (−0.75 to −0.02) | 23165.86 (9760.21 to 42566.20) | 12.45 (5.23 to 23.00)           | 8056.27 (4546.96 to 14322.19)  | 5.51 (3.10 to 9.75)             | −2.59 (−2.71 to −2.46) |
| Barbados                           | 1.74 (0.70 to 4.02)          | 0.87 (0.35 to 2.04)             | 2.55 (0.94 to 5.43)          | 1.83 (0.69 to 3.94)             | 3.72 (2.65 to 4.80)    | 6.65 (3.19 to 13.58)           | 3.32 (1.58 to 6.89)             | 4.51 (1.90 to 9.22)            | 3.21 (1.36 to 6.50)             | 1.23 (0.34 to 2.13)    |
| Belarus                            | 63.11 (33.74 to 120.06)      | 0.79 (0.43 to 1.49)             | 122.27 (45.11 to 273.43)     | 2.51 (0.93 to 5.55)             | 4.15 (3.22 to 5.08)    | 190.15 (120.52 to 308.73)      | 2.39 (1.52 to 3.87)             | 193.27 (100.09 to 363.04)      | 3.95 (2.03 to 7.44)             | 2.10 (1.56 to 2.64)    |
| Belgium                            | 94.52 (65.52 to 132.38)      | 1.57 (1.09 to 2.21)             | 110.42 (66.91 to 167.22)     | 1.81 (1.11 to 2.73)             | 0.61 (0.03 to 1.19)    | 99.58 (79.62 to 123.92)        | 1.65 (1.32 to 2.05)             | 63.43 (45.44 to 87.46)         | 1.05 (0.76 to 1.45)             | −1.24 (−1.60 to −0.87) |
| Belize                             | 1.85 (0.82 to 3.24)          | 0.63 (0.28 to 1.10)             | 0.60 (0.35 to 0.96)          | 0.16 (0.09 to 0.25)             | −4.16 (−5.29 to −3.02) | 11.94 (8.03 to 18.80)          | 4.06 (2.72 to 6.41)             | 3.50 (2.64 to 4.85)            | 0.91 (0.68 to 1.26)             | −4.80 (−5.57 to −4.02) |
| Benin                              | 340.62 (83.47 to 642.16)     | 3.42 (0.85 to 6.47)             | 486.04 (148.15 to 979.80)    | 2.07 (0.63 to 4.20)             | −1.65 (−1.82 to −1.48) | 2887.03 (1569.03 to 5191.12)   | 29.17 (15.68 to 52.79)          | 3774.60 (1818.76 to 7641.58)   | 16.14 (7.74 to 32.88)           | −1.88 (−2.07 to −1.69) |
| Bermuda                            | 0.06 (0.04 to 0.07)          | 0.13 (0.09 to 0.17)             | 0.03 (0.02 to 0.04)          | 0.11 (0.08 to 0.16)             | 0.45 (−0.00 to 0.90)   | 0.34 (0.25 to 0.43)            | 0.79 (0.59 to 1.01)             | 0.08 (0.05 to 0.10)            | 0.30 (0.21 to 0.40)             | −2.67 (−3.11 to −2.24) |
| Bhutan                             | 13.30 (2.93 to 29.68)        | 1.40 (0.31 to 3.16)             | 10.58 (4.55 to 20.99)        | 1.73 (0.75 to 3.44)             | 0.49 (0.21 to 0.77)    | 115.44 (42.08 to 247.85)       | 12.19 (4.38 to 26.49)           | 55.71 (26.12 to 103.78)        | 9.12 (4.28 to 17.00)            | −1.17 (−1.55 to −0.80) |
| Bolivia (Plurinational State of)   | 203.10 (67.92 to 408.46)     | 2.05 (0.68 to 4.09)             | 204.71 (85.03 to 414.49)     | 1.71 (0.71 to 3.47)             | −0.58 (−0.91 to −0.25) | 1827.30 (854.15 to 3577.64)    | 18.45 (8.53 to 36.06)           | 1109.27 (537.95 to 2155.90)    | 9.28 (4.51 to 18.08)            | −2.30 (−2.44 to −2.17) |
| Bosnia and Herzegovina             | 13.02 (6.82 to 20.62)        | 0.37 (0.20 to 0.58)             | 2.91 (1.57 to 5.12)          | 0.19 (0.11 to 0.34)             | −2.39 (−2.90 to −1.88) | 90.37 (62.42 to 126.76)        | 2.51 (1.73 to 3.53)             | 11.49 (7.75 to 16.60)          | 0.75 (0.50 to 1.08)             | −4.96 (−5.72 to −4.19) |
| Botswana                           | 9.06 (3.00 to 17.41)         | 0.43 (0.14 to 0.83)             | 18.27 (6.33 to 40.42)        | 0.78 (0.27 to 1.72)             | 2.25 (1.95 to 2.56)    | 81.53 (36.13 to 152.26)        | 3.88 (1.72 to 7.25)             | 119.82 (55.32 to 241.67)       | 5.08 (2.34 to 10.24)            | 1.20 (0.98 to 1.43)    |
| Brazil                             | 1368.85 (731.48 to 1890.36)  | 0.82 (0.44 to 1.13)             | 923.63 (616.30 to 1267.56)   | 0.56 (0.37 to 0.77)             | −0.68 (−1.09 to −0.26) | 9895.91 (8092.96 to 12152.03)  | 5.91 (4.84 to 7.24)             | 3654.74 (2673.51 to 4699.80)   | 2.22 (1.62 to 2.85)             | −2.62 (−2.99 to −2.24) |
| Brunei Darussalam                  | 7.53 (3.43 to 10.38)         | 2.24 (1.02 to 3.09)             | 8.37 (5.99 to 9.40)          | 2.68 (1.91 to 3.01)             | 0.80 (0.69 to 0.91)    | 29.48 (12.70 to 59.41)         | 8.78 (3.78 to 17.66)            | 19.56 (10.25 to 35.88)         | 6.27 (3.28 to 11.50)            | −0.42 (−0.65 to −0.19) |
| Bulgaria                           | 40.18 (24.22 to 59.79)       | 0.75 (0.46 to 1.11)             | 8.94 (4.17 to 18.32)         | 0.29 (0.14 to 0.59)             | −3.25 (−3.49 to −3.01) | 231.16 (168.30 to 312.28)      | 4.27 (3.10 to 5.76)             | 28.54 (18.09 to 45.92)         | 0.92 (0.58 to 1.48)             | −5.06 (−5.28 to −4.84) |
| Burkina Faso                       | 697.78 (175.19 to 1402.59)   | 3.67 (0.94 to 7.45)             | 1038.47 (307.21 to 2022.72)  | 2.49 (0.74 to 4.88)             | −1.03 (−1.22 to −0.84) | 5832.30 (3142.59 to 11142.74)  | 30.86 (16.45 to 59.19)          | 8236.51 (3858.77 to 15847.54)  | 19.85 (9.26 to 38.43)           | −1.21 (−1.41 to −1.01) |
| Burundi                            | 322.24 (122.95 to 621.35)    | 3.08 (1.18 to 6.00)             | 303.01 (110.17 to 679.31)    | 1.42 (0.51 to 3.19)             | −1.51 (−1.98 to −1.04) | 2971.59 (1474.87 to 5478.23)   | 28.46 (14.00 to 53.02)          | 2794.61 (1175.95 to 6156.40)   | 13.11 (5.48 to 28.88)           | −1.51 (−1.99 to −1.04) |
| Cabo Verde                         | 8.41 (2.67 to 16.98)         | 1.42 (0.45 to 2.87)             | 8.61 (3.86 to 18.06)         | 1.95 (0.88 to 4.06)             | 1.06 (0.55 to 1.57)    | 58.62 (24.78 to 108.78)        | 9.88 (4.17 to 18.34)            | 27.21 (13.55 to 55.61)         | 6.19 (3.09 to 12.63)            | −1.93 (−2.30 to −1.55) |
| Cambodia                           | 220.28 (44.94 to 432.82)     | 1.22 (0.25 to 2.40)             | 88.82 (33.49 to 194.10)      | 0.51 (0.19 to 1.11)             | −3.31 (−3.57 to −3.04) | 1843.78 (907.17 to 3333.90)    | 10.27 (5.07 to 18.61)           | 605.33 (268.58 to 1230.81)     | 3.47 (1.54 to 7.05)             | −3.98 (−4.19 to −3.77) |
| Cameroon                           | 455.85 (131.54 to 907.12)    | 2.27 (0.66 to 4.57)             | 722.90 (224.69 to 1624.30)   | 1.49 (0.46 to 3.35)             | −1.12 (−1.29 to −0.95) | 3878.19 (1816.94 to 7285.36)   | 19.42 (8.94 to 36.92)           | 5326.97 (1980.60 to 11260.54)  | 10.99 (4.08 to 23.25)           | −1.47 (−1.67 to −1.26) |
| Canada                             | 432.54 (311.81 to 578.31)    | 2.23 (1.61 to 3.00)             | 345.42 (221.07 to 531.84)    | 1.78 (1.14 to 2.73)             | 0.04 (−0.20 to 0.29)   | 306.30 (256.43 to 364.50)      | 1.58 (1.32 to 1.88)             | 353.00 (280.77 to 444.00)      | 1.83 (1.45 to 2.30)             | 1.27 (0.96 to 1.58)    |
| Central African Republic           | 99.44 (24.88 to 192.19)      | 2.01 (0.50 to 3.92)             | 98.47 (26.65 to 211.02)      | 1.19 (0.32 to 2.56)             | −1.92 (−2.03 to −1.81) | 874.77 (453.83 to 1526.66)     | 17.84 (9.08 to 31.41)           | 875.57 (388.69 to 1796.34)     | 10.60 (4.66 to 21.69)           | −1.90 (−2.01 to −1.79) |
| Chad                               | 297.39 (80.43 to 595.99)     | 2.41 (0.66 to 4.89)             | 672.46 (208.85 to 1274.47)   | 1.85 (0.58 to 3.56)             | −0.80 (−0.93 to −0.68) | 2581.83 (1341.98 to 4874.58)   | 21.08 (10.74 to 40.39)          | 5726.35 (2941.96 to 10715.50)  | 15.86 (8.03 to 30.02)           |                        |

| Table S3 <i>(continued)</i>      |                                |                                 |                                |                                 |                        |                                   |                                 |                                 |                                 |                        |
|----------------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|------------------------|-----------------------------------|---------------------------------|---------------------------------|---------------------------------|------------------------|
| Location                         | Prevalence                     |                                 |                                |                                 |                        | DALYs                             |                                 |                                 |                                 |                        |
|                                  | Number of cases, 1990          | ASR per 100000 population, 1990 | Number of cases, 2021          | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                       | ASR per 100000 population, 1990 | Count, 2021                     | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Finland                          | 52.36 (37.01 to 70.25)         | 1.64 (1.16 to 2.21)             | 93.72 (59.71 to 127.01)        | 3.59 (2.28 to 4.91)             | 2.67 (2.34 to 3.01)    | 47.83 (38.57 to 59.25)            | 1.49 (1.20 to 1.85)             | 30.23 (20.41 to 42.95)          | 1.16 (0.79 to 1.63)             | −0.95 (−1.21 to −0.70) |
| France                           | 826.38 (632.58 to 1047.28)     | 2.12 (1.63 to 2.68)             | 1112.18 (706.05 to 1600.21)    | 3.07 (1.96 to 4.40)             | 1.80 (1.20 to 2.41)    | 1021.22 (871.81 to 1188.71)       | 2.63 (2.25 to 3.06)             | 739.24 (565.12 to 946.05)       | 2.06 (1.57 to 2.64)             | −0.55 (−0.98 to −0.13) |
| Gabon                            | 17.26 (4.17 to 35.00)          | 1.11 (0.27 to 2.27)             | 18.02 (5.91 to 39.91)          | 0.84 (0.28 to 1.86)             | −0.53 (−0.75 to −0.31) | 144.79 (68.86 to 277.27)          | 9.40 (4.47 to 18.02)            | 115.00 (45.88 to 235.93)        | 5.35 (2.13 to 10.96)            | −1.36 (−1.64 to −1.08) |
| Gambia                           | 95.43 (25.58 to 164.55)        | 5.12 (1.37 to 8.82)             | 125.00 (43.54 to 246.48)       | 3.51 (1.22 to 6.94)             | −1.55 (−1.87 to −1.22) | 764.97 (473.51 to 1229.00)        | 41.26 (25.32 to 66.94)          | 913.88 (514.81 to 1591.28)      | 25.67 (14.42 to 44.81)          | −1.81 (−2.13 to −1.49) |
| Georgia                          | 17.95 (10.85 to 31.12)         | 0.39 (0.24 to 0.67)             | 22.58 (6.58 to 57.95)          | 0.91 (0.26 to 2.33)             | 4.43 (3.34 to 5.53)    | 107.81 (82.49 to 149.09)          | 2.35 (1.80 to 3.23)             | 50.19 (18.90 to 116.84)         | 2.02 (0.76 to 4.70)             | 0.56 (−0.42 to 1.54)   |
| Germany                          | 594.15 (399.61 to 868.44)      | 1.34 (0.90 to 1.95)             | 593.50 (369.32 to 919.70)      | 1.47 (0.92 to 2.28)             | 0.68 (0.35 to 1.01)    | 803.88 (642.89 to 1026.92)        | 1.81 (1.45 to 2.31)             | 450.05 (342.55 to 586.63)       | 1.12 (0.86 to 1.46)             | −1.18 (−1.40 to −0.95) |
| Ghana                            | 451.70 (129.82 to 884.12)      | 1.72 (0.50 to 3.40)             | 487.80 (173.87 to 1144.12)     | 1.06 (0.38 to 2.48)             | −1.68 (−1.93 to −1.44) | 3803.39 (1932.46 to 7472.50)      | 14.56 (7.31 to 29.07)           | 3206.53 (1369.72 to 6976.09)    | 6.95 (2.97 to 15.11)            | −2.32 (−2.49 to −2.14) |
| Greece                           | 47.05 (37.84 to 60.37)         | 0.84 (0.68 to 1.05)             | 57.84 (41.18 to 81.09)         | 1.36 (0.98 to 1.91)             | 1.89 (1.42 to 2.36)    | 103.28 (93.71 to 114.94)          | 1.80 (1.63 to 2.00)             | 89.02 (72.24 to 108.26)         | 2.10 (1.70 to 2.56)             | 0.81 (0.41 to 1.22)    |
| Greenland                        | 0.57 (0.25 to 1.01)            | 1.03 (0.45 to 1.85)             | 0.26 (0.12 to 0.49)            | 0.65 (0.29 to 1.20)             | −0.46 (−1.00 to 0.09)  | 2.94 (1.91 to 4.38)               | 5.38 (3.48 to 8.06)             | 1.09 (0.63 to 1.77)             | 2.71 (1.57 to 4.40)             | −1.55 (−1.95 to −1.15) |
| Grenada                          | 0.21 (0.08 to 0.34)            | 0.18 (0.07 to 0.29)             | 0.09 (0.05 to 0.12)            | 0.13 (0.08 to 0.17)             | −1.08 (−1.43 to −0.73) | 1.61 (1.07 to 2.40)               | 1.36 (0.90 to 2.03)             | 0.61 (0.46 to 0.77)             | 0.88 (0.67 to 1.13)             | −1.25 (−1.54 to −0.96) |
| Guam                             | 0.44 (0.17 to 1.17)            | 0.28 (0.10 to 0.76)             | 0.69 (0.31 to 1.80)            | 0.54 (0.24 to 1.42)             | 3.83 (3.18 to 4.47)    | 1.54 (0.78 to 3.40)               | 0.97 (0.49 to 2.18)             | 2.45 (1.42 to 4.76)             | 1.93 (1.12 to 3.74)             | 3.68 (3.23 to 4.14)    |
| Guatemala                        | 296.60 (75.07 to 443.52)       | 1.95 (0.49 to 2.93)             | 140.18 (70.59 to 230.90)       | 0.89 (0.45 to 1.46)             | −1.79 (−2.26 to −1.32) | 2561.97 (2027.58 to 3382.06)      | 16.93 (13.36 to 22.38)          | 834.92 (577.18 to 1188.90)      | 5.25 (3.62 to 7.50)             | −3.13 (−3.59 to −2.67) |
| Guinea                           | 856.36 (241.19 to 1594.22)     | 7.25 (2.07 to 13.67)            | 764.89 (216.69 to 1503.49)     | 3.39 (0.96 to 6.70)             | −2.01 (−2.20 to −1.81) | 7296.60 (3249.53 to 12645.03)     | 62.18 (27.21 to 107.95)         | 6376.74 (3148.41 to 11808.06)   | 28.30 (13.89 to 52.64)          | −2.07 (−2.27 to −1.87) |
| Guinea-Bissau                    | 63.38 (16.50 to 133.85)        | 3.38 (0.89 to 7.27)             | 45.15 (13.36 to 92.13)         | 1.36 (0.41 to 2.78)             | −2.59 (−3.01 to −2.17) | 559.39 (259.41 to 1097.85)        | 29.97 (13.82 to 60.01)          | 394.06 (182.90 to 787.46)       | 11.92 (5.53 to 23.96)           | −2.60 (−3.02 to −2.18) |
| Guyana                           | 2.16 (0.51 to 3.25)            | 0.19 (0.05 to 0.30)             | 1.78 (0.70 to 3.25)            | 0.24 (0.09 to 0.44)             | 1.16 (−0.51 to 2.87)   | 18.12 (13.59 to 24.21)            | 1.65 (1.23 to 2.21)             | 12.07 (7.30 to 19.66)           | 1.63 (0.99 to 2.65)             | 0.55 (−1.21 to 2.34)   |
| Haiti                            | 39.33 (7.68 to 89.91)          | 0.37 (0.07 to 0.84)             | 34.81 (7.63 to 72.16)          | 0.22 (0.05 to 0.46)             | −1.43 (−1.61 to −1.26) | 348.84 (123.07 to 706.63)         | 3.33 (1.16 to 6.76)             | 298.99 (136.16 to 598.15)       | 1.91 (0.87 to 3.83)             | −1.56 (−1.72 to −1.40) |
| Honduras                         | 62.94 (20.73 to 118.75)        | 0.78 (0.26 to 1.47)             | 62.00 (25.11 to 133.25)        | 0.56 (0.23 to 1.21)             | −1.09 (−1.18 to −1.00) | 561.12 (330.17 to 998.88)         | 6.96 (4.08 to 12.42)            | 379.11 (191.75 to 741.98)       | 3.44 (1.74 to 6.76)             | −2.40 (−2.53 to −2.27) |
| Hungary                          | 26.65 (17.91 to 37.28)         | 0.42 (0.29 to 0.59)             | 24.82 (12.27 to 45.47)         | 0.54 (0.27 to 0.99)             | 1.68 (0.48 to 2.89)    | 107.83 (82.96 to 140.43)          | 1.71 (1.31 to 2.22)             | 26.71 (15.82 to 42.50)          | 0.58 (0.35 to 0.92)             | −2.94 (−3.41 to −2.47) |
| Iceland                          | 4.76 (3.50 to 6.18)            | 2.20 (1.61 to 2.87)             | 5.48 (4.49 to 6.55)            | 2.49 (2.05 to 2.97)             | 0.66 (0.35 to 0.97)    | 2.99 (2.36 to 3.72)               | 1.36 (1.08 to 1.70)             | 3.02 (2.00 to 4.62)             | 1.36 (0.90 to 2.10)             | 0.05 (−0.57 to 0.68)   |
| India                            | 12107.78 (4303.72 to 18676.14) | 1.04 (0.37 to 1.61)             | 10729.27 (5407.42 to 16694.56) | 0.96 (0.48 to 1.49)             | −0.28 (−0.58 to 0.01)  | 106451.71 (56721.23 to 153774.12) | 9.16 (4.87 to 13.23)            | 59055.18 (37984.94 to 86981.16) | 5.28 (3.39 to 7.76)             | −1.88 (−2.01 to −1.74) |
| Indonesia                        | 1137.96 (252.89 to 2119.37)    | 0.51 (0.11 to 0.94)             | 894.14 (297.24 to 1644.06)     | 0.41 (0.14 to 0.75)             | −0.59 (−0.75 to −0.43) | 9417.67 (2957.05 to 16069.04)     | 4.18 (1.30 to 7.15)             | 5682.95 (2251.02 to 10055.77)   | 2.57 (1.01 to 4.56)             | −1.43 (−1.51 to −1.35) |
| Iran (Islamic Republic of)       | 647.14 (303.59 to 929.04)      | 0.77 (0.37 to 1.09)             | 247.83 (137.80 to 419.43)      | 0.40 (0.23 to 0.69)             | −1.72 (−2.23 to −1.21) | 4808.90 (3566.02 to 6193.31)      | 5.65 (4.18 to 7.29)             | 1330.50 (916.31 to 2142.45)     | 2.08 (1.42 to 3.43)             | −2.92 (−3.41 to −2.42) |
| Iraq                             | 278.06 (121.68 to 466.16)      | 0.89 (0.39 to 1.51)             | 543.53 (280.64 to 1004.14)     | 1.25 (0.64 to 2.30)             | 1.40 (1.13 to 1.67)    | 1999.65 (1236.87 to 3030.84)      | 6.48 (4.03 to 9.90)             | 1537.63 (872.61 to 2658.10)     | 3.52 (2.01 to 6.09)             | −1.75 (−1.92 to −1.59) |
| Ireland                          | 31.33 (22.39 to 43.61)         | 1.04 (0.74 to 1.45)             | 28.89 (16.07 to 47.38)         | 0.94 (0.53 to 1.55)             | 0.10 (−0.27 to 0.46)   | 33.46 (27.31 to 40.85)            | 1.13 (0.92 to 1.38)             | 18.30 (13.54 to 24.23)          | 0.60 (0.44 to 0.79)             | −1.94 (−2.13 to −1.75) |
| Israel                           | 39.73 (26.27 to 59.45)         | 0.77 (0.51 to 1.15)             | 112.19 (69.84 to 170.36)       | 1.23 (0.77 to 1.86)             | 2.47 (2.04 to 2.91)    | 74.78 (60.26 to 92.47)            | 1.45 (1.17 to 1.79)             | 68.44 (50.96 to 90.95)          | 0.75 (0.56 to 1.00)             | −1.50 (−1.73 to −1.27) |
| Italy                            | 507.76 (432.59 to 587.69)      | 1.83 (1.56 to 2.11)             | 517.84 (368.83 to 650.51)      | 2.29 (1.64 to 2.88)             | −0.16 (−1.01 to 0.70)  | 775.29 (725.37 to 831.72)         | 2.78 (2.60 to 2.98)             | 260.24 (196.19 to 333.08)       | 1.17 (0.88 to 1.50)             | −2.28 (−2.43 to −2.13) |
| Jamaica                          | 17.84 (6.97 to 38.51)          | 0.64 (0.25 to 1.38)             | 5.09 (2.14 to 11.62)           | 0.29 (0.12 to 0.66)             | −2.03 (−3.26 to −0.78) | 77.67 (38.83 to 152.94)           | 2.76 (1.38 to 5.45)             | 17.31 (9.60 to 32.19)           | 0.98 (0.54 to 1.82)             | −3.04 (−3.92 to −2.15) |
| Japan                            | 1394.82 (1187.59 to 1613.17)   | 2.05 (1.75 to 2.35)             | 693.37 (515.06 to 909.24)      | 1.48 (1.11 to 1.93)             | −0.41 (−1.36 to 0.55)  | 2032.42 (1928.84 to 2157.28)      | 3.00 (2.85 to 3.19)             | 605.99 (526.32 to 690.33)       | 1.30 (1.13 to 1.49)             | −2.92 (−3.44 to −2.39) |
| Jordan                           | 28.91 (13.84 to 52.73)         | 0.48 (0.23 to 0.89)             | 73.31 (39.68 to 125.54)        | 0.65 (0.36 to 1.11)             | 1.07 (0.76 to 1.37)    | 161.13 (92.88 to 278.43)          | 2.70 (1.55 to 4.70)             | 154.94 (94.39 to 255.37)        | 1.38 (0.84 to 2.28)             | −2.70 (−3.07 to −2.34) |
| Kazakhstan                       | 259.37 (112.38 to 522.42)      | 1.40 (0.61 to 2.83)             | 159.32 (62.18 to 372.13)       | 0.82 (0.32 to 1.93)             | −1.11 (−1.39 to −0.84) | 1489.62 (982.97 to 2458.79)       | 8.10 (5.36 to 13.34)            | 441.46 (244.48 to 792.07)       | 2.28 (1.26 to 4.10)             | −4.26 (−4.75 to −3.76) |
| Kenya                            | 2578.85 (1267.57 to 3967.13)   | 6.12 (3.03 to 9.44)             | 3010.74 (1551.07 to 4903.27)   | 5.03 (2.59 to 8.20)             | −0.09 (−0.49 to 0.30)  | 21885.51 (11737.07 to 32718.54)   | 52.00 (27.97 to 77.72)          | 20664.37 (11988.45 to 32351.41) | 34.49 (20.01 to 53.92)          | −0.47 (−0.83 to −0.10) |
| Kiribati                         | 0.63 (0.13 to 1.47)            | 0.54 (0.11 to 1.27)             | 0.47 (0.10 to 1.29)            | 0.33 (0.07 to 0.90)             | −2.28 (−2.69 to −1.88) | 5.37 (2.45 to 11.94)              | 4.63 (2.11 to 10.35)            | 4.05 (1.48 to 10.82)            | 2.84 (1.04 to 7.57)             | −2.27 (−2.66 to −1.88) |
| Kuwait                           | 27.32 (19.32 to 39.17)         | 1.38 (0.99 to 1.97)             | 4.43 (3.02 to 6.53)            | 0.17 (0.12 to 0.24)             | −5.84 (−7.92 to −3.72) | 88.53 (68.88 to 114.69)           | 4.55 (3.57 to 5.86)             | 9.82 (7.41 to 13.05)            | 0.36 (0.27 to 0.48)             | −0.91 (−0.82 to −0.53) |
| Kyrgyzstan                       | 108.90 (50.21 to 203.10)       | 1.72 (0.79 to 3.21)             | 74.64 (28.32 to 164.78)        | 0.93 (0.35 to 2.06)             | 0.91 (−1.38 to 3.25)   | 701.54 (431.37 to 1167.93)        | 11.14 (6.86 to 18.50)           | 199.88 (90.31 to 407.59)        | 2.49 (1.13 to 5.08)             | −2.46 (−4.23 to −0.65) |
| Lao People's Democratic Republic | 94.22 (17.42 to 196.48)        | 1.34 (0.25 to 2.80)             | 45.36 (10.60 to 88.83)         | 0.55 (0.13 to 1.08)             | −3.03 (−3.12 to −2.94) | 816.98 (239.27 to 1488.76)        | 11.68 (3.44 to 21.30)           | 351.17 (181.67 to 615.23)       | 4.29 (2.22 to 7.51)             | −3.37 (−3.48 to −3.27) |
| Latvia                           | 14.37 (8.26 to 23.80)          | 0.72 (0.41 to 1.19)             | 4.62 (3.14 to 6.70)            | 0.50 (0.34 to 0.72)             | −1.42 (−1.90 to −0.94) | 48.49 (34.40 to 69.78)            | 2.44 (1.74 to 3.50)             | 18.09 (13.54 to 24.22)          | 1.92 (1.44 to 2.58)             | −0.90 (−1.42 to −0.37) |
| Lebanon                          | 20.60 (11.08 to 35.98)         | 0.53 (0.28 to 0.93)             | 29.25 (13.27 to 56.82)         | 0.72 (0.32 to 1.39)             | 1.10 (0.87 to 1.34)    | 119.36 (71.03 to 191.62)          | 3.06 (1.81 to 4.92)             | 50.16 (24.61 to 98.10)          | 1.22 (0.60 to 2.39)             | −3.29 (−3.56 to −3.03) |
| Lesotho                          | 11.85 (3.55 to 24.12)          | 0.48 (0.15 to 0.98)             | 14.23 (4.15 to 34.68)          | 0.69 (0.20 to 1.66)             | 1.29 (1.14 to 1.44)    | 108.73 (43.45 to 214.37)          | 4.45 (1.78 to 8.78)             | 130.62 (51.47 to 313.69)        | 6.30 (2.48 to 15.01)            | 1.34 (1.16 to 1.51)    |
| Liberia                          | 178.62 (44.21 to 356.03)       | 3.78 (0.94 to 7.62)             | 122.96 (39.80 to 271.11)       | 1.61 (0.52 to 3.55)             | −3.22 (−3.83 to −2.61) | 1502.02 (577.13 to 2776.49)       | 31.95 (12.28 to 59.60)          | 881.81 (403.71 to 1782.75)      | 11.52 (5.26 to 23.33)           | −3.73 (−4.31 to −3.15) |
| Libya                            | 85.22 (45.70 to 148.90)        | 1.35 (0.72 to 2.35)             | 93.32 (45.87 to 165.64)        | 2.18 (1.08 to 3.80)             | 1.90 (1.70 to 2.09)    | 500.65 (309.89 to 812.96)         | 7.94 (4.92 to 12.88)            | 382.12 (209.81 to 601.05)       | 8.91 (4.85 to 14.01)            | 0.84 (0.48 to 1.20)    |
| Lithuania                        | 18.71 (11.32 to 31.52)         | 0.65 (0.40 to 1.09)             | 5.51 (3.91 to 7.70)            | 0.43 (0.31 to 0.59)             | −1.10 (−1.43 to −0.76) | 56.52 (41.45 to 80.54)            | 1.98 (1.45 to 2.81)             | 23.93 (18.32 to 31.31)          | 1.82 (1.40 to 2.37)             | −0.40 (−0.89 to 0.10)  |
| Luxembourg                       | 0.95 (0.74 to 1.22)            | 0.41 (0.32 to 0.53)             | 1.57 (1.04 to 2.61)            | 0.47 (0.32 to 0.79)             | 0.79 (0.43 to 1.15)    | 3.39 (2.97 to 3.87)               | 1.46 (1.28 to 1.66)             | 2.61 (2.09 to 3.28)             | 0.78 (0.63 to 0.99)             | −1.62 (−2.12 to −1.12) |
| Madagascar                       | 565.39 (205.86 to 1062.53)     | 2.68 (0.97 to 5.06)             | 718.97 (247.34 to 1628.10)     | 1.76 (0.61 to 3.99)             | −1.20 (−1.38 to −1.03) | 5254.08 (2501.23 to 10058.06)     | 24.93 (11.68 to 48.28)          | 6416.45 (2574.89 to 13902.30)   | 15.73 (6.31 to 34.11)           | −1.33 (−1.50 to −1.17) |
| Malawi                           | 1433.88 (547.64 to 2599.37)    | 7.72 (2.99 to 14.18)            | 1393.84 (486.05 to 2993.18)    | 5.13 (1.79 to 11.02)            | −1.24 (−1.49 to −0.98) | 12994.98 (7009.77 to 22615.08)    | 70.12 (37.70 to 125.43)         | 11878.97 (4947.28 to 26444.93)  | 43.71 (18.16 to 97.42)          | −1.38 (−1.68 to −1.08) |
| Malaysia                         | 143.36 (50.36 to 297.70)       | 0.61 (0.21 to 1.26)             | 191.71 (82.27 to 379.87)       | 0.77 (0.33 to 1.53)             | 1.27 (0.81 to 1.73)    | 957.90 (445.19 to 1851.79)        | 4.07 (1.89 to 7.88)             | 574.44 (296.40 to 1024.97)      | 2.32 (1.20 to 4.12)             | −1.58 (−2.08 to −1.08) |
| Maldives                         | 1.83 (0.47 to 3.38)            | 0.44 (0.11 to 0.82)             | 0.97 (0.54 to 1.72)            | 0.30 (0.17 to 0.53)             | −0.72 (−1.01 to −0.43) | 14.25 (4.99 to 25.21)             | 3.50 (1.24 to 6.19)             | 3.94 (2.33 to 6.37)             | 1.23 (0.73 to 1.99)             | −3.03 (−3.28 to −2.79) |
| Mali                             | 1148.35 (327.19 to 2157.37)    | 6.59 (1.89 to 12.52)            | 1906.83 (521.22 to 3792.95)    | 4.11 (1.12 to 8.31)             | −1.39 (−1.53 to −1.25) | 9815.33 (4436.49 to 16870.79)     | 56.71 (24.87 to 98.83)          | 14973.82 (7739.58 to 28625.89)  | 32.41 (16.58 to 62.69)          | −1.65 (−1.79 to −1.50) |
| Malta                            | 0.73 (0.52 to 0.95)            | 0.26 (0.18 to 0.34)             | 0.99 (0.65 to 1.40)            | 0.45 (0.30 to 0.64)             | 2.08 (1.70 to 2.46)    | 2.14 (1.66 to 2.58)               | 0.75 (0.59 to 0.91)             | 1.60 (1.17 to 2.08)             | 0.74 (0.54 to 0.96)             | 0.28 (0.01 to 0.55)    |
| Marshall Islands                 | 0.11 (0.02 to 0.31)            | 0.15 (0.03 to 0.42)             | 0.12 (0.03 to 0.38)            | 0.21 (0.05 to 0.66)             | 0.87 (0.51 to 1.23)    | 0.98 (0.30 to 2.75)               | 1.30 (0.40 to 3.66)             | 0.93 (0.26 to 2.74)             | 1.63 (0.46 to 4.80)             | 0.51 (0.10 to 0.91)    |
| Mauritania                       | 105.60 (22.07 to 262.43)       | 2.84 (0.60 to 6.96)             | 124.15 (48.69 to 244.89)       | 1.90 (0.74 to 3.74)             | −1.68 (−1.95 to −1.40) | 882.26 (277.15 to 2086.85)        | 23.84 (7.52 to 55.82)           | 712.96 (328.69 to 1322.05)      | 10.91 (5.03 to 20.22)           | −2.82 (−3.18 to −2.46) |
| Mauritius                        | 2.55 (1.67 to 3.40)            | 0.24 (0.16 to 0.32)             | 0.99 (0.57 to 1.72)            | 0.15 (0.09 to 0.27)             | 4.92 (1.84 to 8.09)    | 16.22 (14.03 to 19.37)            | 1.51 (1.30 to 1.81)             | 2.36 (1.53 to 3.66)             | 0.36 (0.24 to 0.57)             | 1.99 (−0.74 to 4.80)   |
| Mexico                           | 1411.58 (707.27 to 1920.96)    | 1.2                             |                                |                                 |                        |                                   |                                 |                                 |                                 |                        |

| Table S3 <i>(continued)</i>      |                              |                                 |                             |                                 |                        |                                |                                 |                                |                                 |                        |
|----------------------------------|------------------------------|---------------------------------|-----------------------------|---------------------------------|------------------------|--------------------------------|---------------------------------|--------------------------------|---------------------------------|------------------------|
| Location                         | Prevalence                   |                                 |                             |                                 |                        | DALYs                          |                                 |                                |                                 |                        |
|                                  | Number of cases, 1990        | ASR per 100000 population, 1990 | Number of cases, 2021       | ASR per 100000 population, 2021 | EAPC, 1990–2021        | Count, 1990                    | ASR per 100000 population, 1990 | Count, 2021                    | ASR per 100000 population, 2021 | EAPC, 1990–2021        |
| Philippines                      | 1285.36 (340.09 to 2058.74)  | 1.41 (0.37 to 2.26)             | 1078.37 (379.18 to 1736.53) | 0.96 (0.34 to 1.54)             | −0.92 (−1.18 to −0.66) | 9727.48 (5612.58 to 13808.16)  | 10.71 (6.17 to 15.22)           | 6291.92 (3435.10 to 9358.90)   | 5.56 (3.03 to 8.27)             | −1.70 (−1.88 to −1.51) |
| Poland                           | 22.72 (16.10 to 29.01)       | 0.08 (0.06 to 0.10)             | 22.98 (16.43 to 32.30)      | 0.12 (0.09 to 0.17)             | 1.42 (0.08 to 2.78)    | 131.79 (116.55 to 149.83)      | 0.44 (0.39 to 0.50)             | 63.17 (51.42 to 77.00)         | 0.34 (0.27 to 0.41)             | −0.54 (−1.11 to 0.04)  |
| Portugal                         | 210.00 (142.74 to 283.65)    | 3.45 (2.37 to 4.64)             | 190.40 (128.30 to 236.24)   | 4.42 (3.00 to 5.49)             | 1.25 (0.27 to 2.24)    | 265.69 (205.70 to 345.15)      | 4.36 (3.39 to 5.66)             | 81.20 (54.65 to 116.67)        | 1.90 (1.28 to 2.72)             | −2.56 (−3.41 to −1.70) |
| Puerto Rico                      | 12.49 (7.29 to 21.96)        | 0.39 (0.23 to 0.69)             | 1.91 (1.28 to 2.90)         | 0.18 (0.12 to 0.28)             | −2.25 (−4.04 to −0.42) | 44.02 (31.08 to 65.64)         | 1.37 (0.97 to 2.04)             | 5.19 (3.95 to 6.92)            | 0.48 (0.36 to 0.64)             | −3.91 (−4.81 to −3.00) |
| Qatar                            | 1.83 (1.14 to 2.77)          | 0.36 (0.22 to 0.55)             | 8.40 (5.26 to 13.34)        | 0.45 (0.28 to 0.72)             | 0.98 (0.50 to 1.47)    | 12.94 (8.84 to 18.49)          | 2.61 (1.76 to 3.75)             | 25.28 (15.97 to 39.67)         | 1.39 (0.87 to 2.16)             | −1.94 (−2.25 to −1.62) |
| Republic of Korea                | 645.13 (331.16 to 1095.62)   | 1.86 (0.96 to 3.10)             | 517.79 (293.98 to 849.89)   | 3.15 (1.80 to 5.16)             | 2.24 (1.70 to 2.79)    | 2759.52 (1620.64 to 4104.28)   | 7.83 (4.65 to 11.62)            | 302.16 (185.67 to 489.62)      | 1.83 (1.11 to 3.00)             | −4.71 (−5.02 to −4.39) |
| Republic of Moldova              | 130.17 (76.04 to 228.60)     | 3.06 (1.81 to 5.30)             | 25.04 (15.88 to 38.76)      | 1.61 (1.02 to 2.49)             | −2.15 (−2.85 to −1.44) | 698.22 (529.98 to 981.15)      | 16.50 (12.58 to 23.03)          | 105.89 (78.61 to 146.71)       | 6.72 (4.94 to 9.37)             | −2.77 (−3.30 to −2.22) |
| Romania                          | 260.32 (112.47 to 519.85)    | 1.48 (0.65 to 2.93)             | 85.28 (43.38 to 161.55)     | 0.89 (0.46 to 1.70)             | −2.16 (−2.74 to −1.57) | 1151.96 (650.35 to 2028.74)    | 6.59 (3.76 to 11.54)            | 115.37 (68.99 to 192.76)       | 1.21 (0.73 to 2.03)             | −5.85 (−6.25 to −5.45) |
| Russian Federation               | 1676.69 (1220.74 to 2126.50) | 1.45 (1.06 to 1.83)             | 682.53 (541.59 to 841.23)   | 0.88 (0.71 to 1.08)             | −2.48 (−3.03 to −1.93) | 8111.73 (7364.59 to 9003.71)   | 7.03 (6.39 to 7.79)             | 2004.71 (1771.14 to 2255.58)   | 2.52 (2.21 to 2.84)             | −4.45 (−5.00 to −3.89) |
| Rwanda                           | 477.13 (183.34 to 949.17)    | 3.62 (1.40 to 7.21)             | 341.81 (112.91 to 722.44)   | 1.97 (0.65 to 4.16)             | −1.94 (−2.33 to −1.55) | 4427.89 (2154.60 to 8613.32)   | 33.63 (16.37 to 65.46)          | 2733.28 (1176.07 to 5542.11)   | 15.74 (6.76 to 31.89)           | −2.42 (−2.77 to −2.06) |
| Saint Kitts and Nevis            | 0.09 (0.02 to 0.12)          | 0.19 (0.04 to 0.26)             | 0.03 (0.02 to 0.05)         | 0.11 (0.07 to 0.16)             | −1.08 (−1.47 to −0.69) | 0.71 (0.58 to 0.85)            | 1.51 (1.25 to 1.82)             | 0.25 (0.19 to 0.33)            | 0.81 (0.60 to 1.09)             | −1.16 (−1.68 to −0.64) |
| Saint Lucia                      | 0.26 (0.10 to 0.40)          | 0.15 (0.06 to 0.23)             | 0.08 (0.04 to 0.13)         | 0.09 (0.05 to 0.14)             | −1.35 (−1.74 to −0.95) | 1.90 (1.37 to 2.61)            | 1.08 (0.78 to 1.49)             | 0.55 (0.40 to 0.76)            | 0.60 (0.44 to 0.84)             | −1.77 (−2.14 to −1.39) |
| Saint Vincent and the Grenadines | 2.50 (0.99 to 5.73)          | 1.91 (0.77 to 4.38)             | 0.22 (0.09 to 0.44)         | 0.29 (0.12 to 0.56)             | −5.64 (−7.14 to −4.11) | 15.28 (7.87 to 32.31)          | 11.63 (5.92 to 24.62)           | 1.06 (0.64 to 1.81)            | 1.38 (0.83 to 2.31)             | −6.44 (−7.55 to −5.33) |
| Samoa                            | 1.85 (0.58 to 3.74)          | 0.73 (0.23 to 1.47)             | 1.92 (0.66 to 5.12)         | 0.66 (0.23 to 1.76)             | −0.51 (−0.72 to −0.31) | 13.60 (6.72 to 26.16)          | 5.34 (2.64 to 10.27)            | 9.40 (3.67 to 24.24)           | 3.22 (1.26 to 8.32)             | −1.70 (−1.85 to −1.55) |
| San Marino                       | 0.13 (0.07 to 0.24)          | 1.09 (0.57 to 2.03)             | 0.09 (0.04 to 0.18)         | 0.71 (0.30 to 1.40)             | −1.14 (−1.26 to −1.03) | 0.20 (0.12 to 0.31)            | 1.66 (1.03 to 2.62)             | 0.09 (0.05 to 0.16)            | 0.71 (0.39 to 1.30)             | −2.37 (−2.45 to −2.28) |
| Sao Tome and Principe            | 3.40 (1.02 to 7.16)          | 1.67 (0.50 to 3.53)             | 3.16 (1.07 to 7.68)         | 1.26 (0.43 to 3.05)             | −0.72 (−1.76 to 0.33)  | 29.36 (13.36 to 62.06)         | 14.42 (6.48 to 30.65)           | 14.25 (5.22 to 33.48)          | 5.67 (2.08 to 13.32)            | −2.75 (−3.61 to −1.88) |
| Saudi Arabia                     | 210.51 (74.08 to 417.25)     | 0.88 (0.31 to 1.73)             | 125.34 (41.90 to 268.32)    | 0.51 (0.17 to 1.09)             | −1.64 (−2.41 to −0.86) | 1473.72 (726.85 to 2799.78)    | 6.14 (3.02 to 11.66)            | 314.60 (153.30 to 596.92)      | 1.29 (0.63 to 2.45)             | −5.14 (−5.46 to −4.83) |
| Senegal                          | 348.72 (106.86 to 701.60)    | 2.41 (0.74 to 4.93)             | 313.82 (115.41 to 680.58)   | 1.39 (0.51 to 3.02)             | −1.59 (−1.85 to −1.34) | 3009.78 (1494.53 to 5973.67)   | 20.91 (10.18 to 42.01)          | 2263.22 (1102.93 to 4687.39)   | 10.03 (4.88 to 20.82)           | −2.05 (−2.32 to −1.78) |
| Serbia                           | 52.37 (23.51 to 97.89)       | 0.76 (0.34 to 1.42)             | 12.01 (5.39 to 24.29)       | 0.32 (0.14 to 0.65)             | −2.86 (−3.23 to −2.49) | 273.04 (135.32 to 479.87)      | 3.95 (1.94 to 6.95)             | 25.99 (12.63 to 47.92)         | 0.67 (0.33 to 1.25)             | −6.16 (−6.60 to −5.72) |
| Seychelles                       | 0.15 (0.06 to 0.23)          | 0.18 (0.08 to 0.29)             | 0.07 (0.05 to 0.11)         | 0.10 (0.06 to 0.14)             | −1.10 (−1.77 to −0.43) | 1.09 (0.75 to 1.69)            | 1.36 (0.93 to 2.10)             | 0.47 (0.33 to 0.65)            | 0.60 (0.42 to 0.83)             | −1.59 (−2.28 to −0.91) |
| Sierra Leone                     | 302.31 (75.32 to 541.89)     | 3.79 (0.95 to 7.00)             | 226.53 (67.93 to 456.62)    | 1.68 (0.51 to 3.40)             | −2.93 (−3.15 to −2.70) | 2506.35 (1235.00 to 4222.74)   | 31.68 (15.31 to 54.27)          | 1775.80 (837.83 to 3416.21)    | 13.17 (6.22 to 25.46)           | −3.05 (−3.27 to −2.82) |
| Singapore                        | 80.01 (57.55 to 102.44)      | 3.92 (2.82 to 4.99)             | 98.65 (60.49 to 135.10)     | 3.42 (2.11 to 4.67)             | 0.04 (−0.43 to 0.50)   | 111.83 (88.05 to 139.07)       | 5.36 (4.18 to 6.79)             | 34.45 (22.96 to 48.85)         | 1.20 (0.80 to 1.69)             | −4.29 (−4.69 to −3.89) |
| Slovakia                         | 18.87 (10.34 to 33.58)       | 0.46 (0.25 to 0.81)             | 19.18 (8.95 to 39.05)       | 0.67 (0.31 to 1.37)             | 1.83 (1.33 to 2.32)    | 93.35 (57.09 to 150.12)        | 2.24 (1.38 to 3.59)             | 29.05 (15.45 to 55.20)         | 1.02 (0.54 to 1.94)             | −2.58 (−2.77 to −2.40) |
| Slovenia                         | 7.72 (5.77 to 10.36)         | 0.62 (0.47 to 0.82)             | 9.51 (4.43 to 17.88)        | 0.92 (0.44 to 1.71)             | 2.17 (1.47 to 2.87)    | 25.11 (20.78 to 30.53)         | 2.00 (1.66 to 2.42)             | 5.77 (3.56 to 9.29)            | 0.56 (0.35 to 0.91)             | −3.88 (−4.24 to −3.51) |
| Solomon Islands                  | 1.71 (0.31 to 4.85)          | 0.29 (0.05 to 0.83)             | 2.42 (0.55 to 7.50)         | 0.26 (0.06 to 0.80)             | −0.37 (−0.87 to 0.12)  | 14.73 (4.43 to 41.14)          | 2.50 (0.75 to 7.00)             | 19.66 (6.42 to 58.35)          | 2.09 (0.68 to 6.20)             | −0.51 (−1.02 to 0.01)  |
| Somalia                          | 516.55 (166.14 to 1076.45)   | 3.44 (1.11 to 7.21)             | 810.62 (206.35 to 1935.14)  | 2.01 (0.50 to 4.79)             | −1.27 (−1.72 to −0.83) | 4742.94 (2155.67 to 9670.83)   | 31.60 (14.26 to 65.38)          | 7388.96 (2406.97 to 16961.18)  | 18.32 (6.00 to 42.17)           | −1.29 (−1.73 to −0.84) |
| South Africa                     | 252.25 (85.72 to 444.33)     | 0.52 (0.18 to 0.92)             | 378.06 (142.89 to 714.61)   | 0.75 (0.29 to 1.42)             | 1.37 (0.65 to 2.11)    | 1848.53 (1030.54 to 2891.27)   | 3.83 (2.13 to 6.00)             | 1940.95 (997.38 to 3151.42)    | 3.86 (1.98 to 6.28)             | 0.00 (−0.36 to 0.37)   |
| South Sudan                      | 324.45 (107.81 to 627.80)    | 3.25 (1.08 to 6.37)             | 426.86 (134.67 to 797.14)   | 2.78 (0.87 to 5.26)             | 0.02 (−0.39 to 0.42)   | 2900.39 (1232.75 to 5395.47)   | 29.12 (12.18 to 55.26)          | 3514.26 (1502.70 to 6333.59)   | 22.91 (9.70 to 41.84)           | −0.23 (−0.58 to 0.13)  |
| Spain                            | 488.52 (378.04 to 627.38)    | 2.24 (1.74 to 2.87)             | 570.83 (354.63 to 820.26)   | 2.96 (1.86 to 4.29)             | 1.02 (0.50 to 1.54)    | 612.24 (519.63 to 726.11)      | 2.81 (2.40 to 3.33)             | 325.70 (250.95 to 420.23)      | 1.72 (1.33 to 2.23)             | −1.47 (−1.70 to −1.24) |
| Sri Lanka                        | 54.84 (23.18 to 108.07)      | 0.30 (0.13 to 0.60)             | 69.64 (31.22 to 146.87)     | 0.43 (0.20 to 0.92)             | 2.42 (1.90 to 2.94)    | 333.27 (178.96 to 594.64)      | 1.83 (0.98 to 3.27)             | 131.90 (68.49 to 262.09)       | 0.82 (0.43 to 1.61)             | −2.02 (−2.50 to −1.53) |
| Sudan                            | 441.29 (81.06 to 825.57)     | 1.26 (0.23 to 2.38)             | 385.13 (171.76 to 658.05)   | 0.69 (0.31 to 1.17)             | −1.50 (−1.68 to −1.31) | 3523.91 (1806.99 to 5886.42)   | 10.12 (5.14 to 16.98)           | 2770.18 (1717.42 to 4489.67)   | 4.92 (3.05 to 7.97)             | −1.87 (−2.05 to −1.70) |
| Suriname                         | 0.87 (0.21 to 1.39)          | 0.20 (0.05 to 0.31)             | 0.69 (0.33 to 1.13)         | 0.16 (0.08 to 0.25)             | −1.06 (−1.26 to −0.86) | 6.93 (4.59 to 9.89)            | 1.56 (1.04 to 2.22)             | 5.24 (3.30 to 8.02)            | 1.16 (0.73 to 1.77)             | −1.29 (−1.52 to −1.06) |
| Sweden                           | 31.86 (26.40 to 38.47)       | 0.56 (0.46 to 0.68)             | 24.32 (17.76 to 33.54)      | 0.42 (0.31 to 0.58)             | 0.88 (−0.66 to 2.44)   | 82.81 (71.34 to 95.97)         | 1.48 (1.28 to 1.71)             | 46.29 (36.29 to 58.98)         | 0.79 (0.62 to 1.01)             | −0.91 (−1.83 to 0.03)  |
| Switzerland                      | 116.78 (86.10 to 158.78)     | 2.93 (2.16 to 3.99)             | 158.08 (95.78 to 217.30)    | 3.54 (2.13 to 4.87)             | 0.37 (0.09 to 0.66)    | 102.90 (84.98 to 124.91)       | 2.58 (2.13 to 3.13)             | 52.69 (37.04 to 71.07)         | 1.19 (0.83 to 1.60)             | −2.52 (−2.81 to −2.23) |
| Syrian Arab Republic             | 145.66 (58.13 to 222.06)     | 0.68 (0.27 to 1.03)             | 43.31 (18.76 to 68.96)      | 0.43 (0.19 to 0.69)             | −1.24 (−2.34 to −0.13) | 1152.61 (739.07 to 1562.13)    | 5.38 (3.46 to 7.28)             | 250.51 (124.49 to 382.91)      | 2.45 (1.20 to 3.78)             | −2.41 (−3.45 to −1.36) |
| Taiwan (Province of China)       | 135.81 (102.89 to 171.39)    | 0.82 (0.63 to 1.03)             | 162.80 (106.82 to 250.83)   | 1.83 (1.21 to 2.80)             | 4.63 (3.44 to 5.83)    | 652.15 (570.02 to 751.46)      | 3.83 (3.34 to 4.40)             | 215.41 (167.15 to 281.30)      | 2.39 (1.85 to 3.12)             | 0.14 (−0.89 to 1.18)   |
| Tajikistan                       | 77.79 (22.59 to 145.82)      | 0.84 (0.24 to 1.58)             | 77.52 (26.42 to 169.37)     | 0.59 (0.20 to 1.28)             | −1.19 (−1.48 to −0.90) | 567.58 (223.69 to 973.42)      | 6.17 (2.43 to 10.61)            | 489.49 (218.46 to 1021.64)     | 3.71 (1.65 to 7.75)             | −1.83 (−2.05 to −1.61) |
| Thailand                         | 990.61 (464.77 to 1556.15)   | 1.88 (0.90 to 2.93)             | 276.31 (162.17 to 483.12)   | 0.96 (0.57 to 1.67)             | −2.36 (−2.70 to −2.03) | 6940.94 (4841.13 to 9741.67)   | 13.01 (9.09 to 18.15)           | 987.76 (670.97 to 1476.55)     | 3.39 (2.32 to 5.04)             | −4.86 (−5.26 to −4.47) |
| Timor-Leste                      | 10.13 (1.82 to 21.62)        | 0.74 (0.13 to 1.58)             | 7.16 (1.94 to 15.20)        | 0.39 (0.11 to 0.83)             | −2.27 (−2.68 to −1.85) | 84.84 (18.98 to 161.43)        | 6.24 (1.41 to 11.90)            | 51.76 (19.99 to 102.65)        | 2.83 (1.09 to 5.62)             | −2.84 (−3.20 to −2.48) |
| Togo                             | 107.24 (34.12 to 220.32)     | 1.58 (0.51 to 3.29)             | 123.00 (43.87 to 294.44)    | 1.05 (0.38 to 2.52)             | −1.41 (−1.57 to −1.25) | 942.57 (471.24 to 1929.64)     | 13.91 (6.89 to 28.79)           | 922.21 (408.05 to 2060.78)     | 7.90 (3.50 to 17.63)            | −1.83 (−1.96 to −1.70) |
| Tokelau                          | 0.00 (0.00 to 0.01)          | 0.20 (0.04 to 0.57)             | 0.12 (0.02 to 0.38)         | 11.04 (2.36 to 35.73)           | 4.88 (1.53 to 8.33)    | 0.03 (0.01 to 0.09)            | 1.62 (0.56 to 4.42)             | 0.35 (0.07 to 1.17)            | 33.73 (7.04 to 111.13)          | 2.42 (−0.53 to 5.46)   |
| Tonga                            | 1.18 (0.34 to 2.72)          | 0.77 (0.22 to 1.78)             | 1.19 (0.42 to 3.21)         | 0.83 (0.29 to 2.24)             | −0.09 (−0.54 to 0.36)  | 8.12 (3.82 to 17.69)           | 5.32 (2.52 to 11.59)            | 6.57 (2.73 to 15.97)           | 4.58 (1.92 to 11.13)            | −0.78 (−1.28 to −0.28) |
| Trinidad and Tobago              | 8.34 (3.34 to 17.08)         | 0.62 (0.25 to 1.25)             | 7.91 (3.33 to 15.94)        | 0.96 (0.40 to 1.94)             | 2.71 (1.59 to 3.84)    | 51.70 (28.70 to 97.47)         | 3.80 (2.11 to 7.10)             | 22.46 (10.92 to 41.30)         | 2.70 (1.31 to 4.91)             | −0.42 (−1.33 to 0.50)  |
| Tunisia                          | 134.37 (70.80 to 246.63)     | 1.26 (0.67 to 2.32)             | 111.18 (56.45 to 200.26)    | 1.23 (0.63 to 2.22)             | 0.05 (−0.11 to 0.21)   | 661.12 (385.98 to 1091.61)     | 6.21 (3.62 to 10.26)            | 199.39 (112.15 to 335.35)      | 2.21 (1.24 to 3.73)             | −3.22 (−3.28 to −3.16) |
| Turkey                           | 451.68 (179.15 to 771.29)    | 0.65 (0.26 to 1.11)             | 520.39 (306.67 to 900.35)   | 0.92 (0.54 to 1.61)             | 1.49 (1.19 to 1.79)    | 3170.45 (1986.05 to 5090.19)   | 4.56 (2.85 to 7.32)             | 949.27 (603.09 to 1548.79)     | 1.70 (1.09 to 2.78)             | −3.14 (−3.39 to −2.89) |
| Turkmenistan                     | 71.28 (31.79 to 101.29)      | 1.23 (0.54 to 1.77)             | 27.42 (13.18 to 56.81)      | 0.51 (0.25 to 1.06)             | −2.77 (−3.14 to −2.39) | 511.36 (401.40 to 658.37)      | 8.89 (6.97 to 11.48)            | 144.18 (92.88 to 238.94)       | 2.69 (1.73 to 4.46)             | −3.90 (−4.24 to −3.57) |
| Tuvalu                           | 0.06 (0.01 to 0.13)          | 0.38 (0.09 to 0.90)             | 0.04 (0.01 to 0.11)         | 0.29 (0.07 to 0.84)             | −0.69 (−0.92 to −0.46) | 0.48 (0.19 to 1.16)            | 3.29 (1.27 to 8.01)             | 0.22 (0.08 to 0.61)            | 1.71 (0.62 to 4.75)             | −1.83 (−2.10 to −1.56) |
| Uganda                           | 1392.52 (446.15 to 2461.05)  | 3.94 (1.27 to 7.03)             | 2083.28 (681.35 to 4492.27) | 2.87 (0.94 to 6.19)             | −0.72 (−0.96 to −0.48) | 12126.87 (6549.76 to 20063.38) | 34.49 (18.48 to 57.14)          | 16102.45 (7822.02 to 32361.45) | 22.22 (10.78 to 44.76)          | −1.08 (−1.32 to −0.84) |
| Ukraine                          | 372.09 (239.54 to 576.60)    | 1.00 (0.65 to 1.55)             | 129.60 (76.13 to 207.47)    | 0.75 (0.44 to 1.21)             | −0.39 (−0.88 to 0.11)  | 1720.10 (1279.35 to 2379.81)   | 4.65 (3.47 to 6.37)             | 352.54 (239.75 to 492.11)      | 2.10 (1.43 to 2.91)             | −2.41 (−2.95 to −1.87) |
| United Arab Emirates             | 7.73 (2.55 to 15.12)         | 0.34 (0.11 to 0.67)             | 15.64 (7.30 to 28.99)       | 0.36 (0.17 to 0.65)             | 1.34 (0.79 to 1.88)    | 56.06 (28.75 to 101.37)        | 2.47 (1.27 to 4.47)             | 60.78 (36.89 to 99.37)         | 1.36 (0.83 to 2.21)             | −1.13 (−1.50 to −0.76) |
| United Kingdom                   | 171.34 (151.37 to 190.95)    | 0.45 (0.40 to 0.50)             | 416.74 (350.83 to 484.42)   | 1.14 (0.96 to 1.32)             | 3.06 (2.61 to 3.52)    | 436.20 (416.55 to 457.05)      | 1.14 (1.09 to 1.20)             | 604.13 (540.33 to 666.78)      | 1.64 (1.46 to 1.81)             | 2.17 (1.87 to 2.47)    |
| United Republic of Tanzania      | 1719.40 (570.71 to 3285.84)  | 3.65 (1.20 to 7.02)             | 2446.                       |                                 |                        |                                |                                 |                                |                                 |                        |