## THE LANCET Neurology

## Supplementary appendix

This appendix formed part of the original submission and has been peer reviewed. We post it as supplied by the authors.

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Supplementary Methods and Results Appendix to:
Global, regional, and national burden of stroke, 1990 to 2016: a
systematic analysis for the Global Burden of Disease Study 2016
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## Summary of General Global Burden of Disease Study Methods

The Institute for Health Metrics and Evaluation with a growing collaboration of scientists produces annual updates of the Global Burden of Disease study. Estimates span the period from 1990 to the most recent completed year. By the time of the release of GBD 2016 in September 2017, there were over 2,700 collaborators in 132 countries who contributed to this global public good. Annual updates allow incorporation of new data and method improvements to ensure that the most up-to-date information is available to policy makers in a timely fashion to help make resource allocation decisions. In this analysis, we have aggregated results from GBD 2016 for 15 disease and injury outcomes that are generally cared for by neurological services. These include infectious conditions (tetanus, meningitis, encephalitis), stroke, brain and other nervous system cancers, traumatic brain injury, and spinal cord lesion which are classified outside the more narrowly defined category of neurological disorders in GBD (ie, Alzheimer's disease and other dementias, Parkinson's disease, multiple sclerosis, motor neuron disease, idiopathic epilepsy, migraine, tension-type headache, and a rest category of less common other neurological disorders). Compared to a previous analysis based on GBD 2015, we were able to add the non-fatal outcomes of traumatic brain injury and spinal cord lesion, and medication overuse headache is no longer included as a separate cause but quantified as a consequence of the underlying headache types.

In the methods section of this overview paper we present a summary of the general methods of the global burden of disease. In the accompanying disease-specific papers we concentrate on methods that are specific to each disorder. The guiding principle of GBD is to assess health loss due to mortality and disability comprehensively, where we define disability as any departure from full health. In GBD 2016, estimates were made for 195 countries and territories, and 579 subnational locations, for 27 years starting from 1990, for 23 age groups and both sexes. Deaths were estimated for 264 diseases and injuries, while prevalence and incidence were estimated for 328 diseases and injuries. In order to allow meaningful comparisons between deaths and non-fatal disease outcomes as well as between diseases, the data on deaths and prevalence are summarised in a single indicator, the disability-adjusted life-year (DALY). DALYs are the sum of years of life lost (YLLs) and years lived with disability (YLDs). YLLs are estimated as the multiplication of counts of death and a standard, "ideal", remaining life expectancy at the age of death. The standard life expectancy is derived from the lowest observed mortality rates in any population in the world greater than 5 million. ${ }^{2}$ YLDs are estimated as the product of prevalence of individual consequences of disease (or "sequelae") times a disability weight that quantifies the relative severity of a sequela as a number between zero (representing "full health") and 1 (representing death). Disability weights have been estimated in nine population surveys and an open-access internet survey in which respondents are asked to choose the "healthier"3 between random pairs of health states that are presented with a short description of the main features.

All-cause mortality rates are estimated from vital registration data in countries with complete coverage. For other countries, the probabilities of death before age 5 and between ages 15 and 60 are estimated from censuses and surveys asking mothers to provide a history of children ever born and those still alive, and surveys asking adults about siblings who are alive or have passed away. Using model life tables, these probabilities of death are transformed into age-specific death rates by location, year, and sex. GBD has collated a large database of cause of death data from vital registrations and verbal autopsy surveys in which relatives are asked a standard set of questions to ascertain the likely cause of death, supplemented with police and mortuary data for injury deaths in countries with no other data. For countries with vital registration data, the completeness is assessed with demographic methods based on
comparing recorded deaths with population counts between two successive censuses. The cause of death information is provided in a large number of different classification systems based on versions of the International Classification of Diseases or bespoke classifications in some countries. All data are mapped into the disease and injury categories of GBD. All classification systems contain codes that are less informative because they lack a specific diagnosis (eg, unspecified cancer) or refer to codes that cannot be underlying cause of death (eg, low back pain or senility) or are intermediate causes (eg, heart failure or sepsis). Such deaths are redistributed to more precise underlying causes of death. ${ }^{4}$ After these redistributions and corrections for under-registration, the data are analysed in CODEm (cause of death ensemble model), a highly systematised tool that runs many different models on the same data and chooses an ensemble of models that best reflects all the available input data. Models are chosen with variations in the statistical approach ("mixed effects" of spatiotemporal Gaussian Process Regression), in the unit of analysis (rates or cause fractions), and the choice of predictive covariates. The statistical performance of all models is tested by holding out $30 \%$ of the data and checking how well a model covers the data that were held out. To enforce consistency from CODEm, the sum of all cause-specific mortality rates is scaled to that of the all-cause mortality rates in each age, sex, location, and year category.

Non-fatal estimates are based on systematic reviews of published papers and unpublished documents, survey microdata, administrative records of health encounters, registries, and disease surveillance systems. Our Global Health Data Exchange (GHDx, http://ghdx.healthdata.org/) is the largest repository of health data globally. We first set a reference case definition and/or study method that best quantifies each disease or injury or consequence thereof. If there is evidence of a systematic bias in data that used different case definitions or methods compared to reference data we adjust those data points to reflect what its value would have been if measured as the reference. This is a necessary step if one wants to use all data pertaining to a particular quantity of interest rather than choosing a small subset of data of the highest quality only. DisMod-MR 2.1, a Bayesian meta-regression tool, is our main method of analyzing non-fatal data. It is designed as a geographical cascade where a first model is run on all the world's data, which produces an initial global fit and estimates coefficients for predictor variables and the adjustments for alternative study characteristics. The global fit adjusted by the values of random effects for each of seven GBD super-regions, the coefficients on sex and country predictors, are passed down as data to a model for each super-region together with the input data for that geography. The same steps are repeated going from super-region to 21 region fits and then to 195 fits by country and where applicable a further level down to subnational units. Below the global fit, all models are run separately by sex and for six time periods: 1990, 1995, 2000, 2005, 2010, and 2016. During each fit all data on prevalence, incidence, remission (ie, cure rate) and mortality are forced to be internally consistent. For most diseases, the bulk of data on prevalence or incidence is at the disease level with fewer studies providing data on the proportions of cases of disease in each of the sequelae defined for the disease. The proportions in each sequela are pooled using DisMod-MR 2.1 or meta-analysis, or derived from analyses of patient-level datasets. The multiplication of prevalent cases for each disease sequela and the appropriate disability weight produces YLD estimates that do not yet take into account comorbidity. To correct for comorbidity, these data are used in a simulation to create hypothetical individuals in each age, sex, location, and year combination who experience no, one, or multiple sequelae simultaneously. We assume that disability weights are multiplicative rather than additive as this avoids assigning a combined disability weight value in any individual to exceed 1 , ie, be worse than a
"year lost due to death". This comorbidity adjustment leads to an average scaling down of diseasespecific YLDs ranging from about $2 \%$ in young children up to $17 \%$ in oldest ages.

All our estimates of causes of death are categorical: each death is assigned to a single underlying cause. This has the attractive property that all estimates add to $100 \%$. For risks, we use a different, "counterfactual" approach, ie, answering the question: "what would the burden have been if the population had been exposed to a theoretical minimum level of exposure to a risk". Thus, we need to define what level of exposure to a risk factor leads to the lowest amount of disease. We then analyse data on the prevalence of exposure to a risk and derive relative risks for any risk-outcome pair for which we find sufficient evidence of a causal relationship. Prevalence of exposure is estimated in DisMod-MR 2.1, using spatiotemporal Gaussian Process Regression, or from satellite imagery in the case of ambient air pollution. Relative risk data are pooled using meta-analysis of cohort, case-control and/or intervention studies. For each risk and outcome pair, we evaluate the evidence and judge if the evidence falls into the categories of "convincing" or "probable" as defined by the World Cancer Research Fund. ${ }^{5}$ From the prevalence and relative risk results, population attributable fractions are estimated relative to the theoretical minimum risk exposure level (TMREL). When we aggregate estimates for clusters of risks, eg, metabolic or behavioural risks, we use a multiplicative function rather than simple addition and take into account how much of each risk is mediated through another risk. For instance, some of the risk of high body mass index is directly onto stroke as an outcome but much of its impact is mediated through high blood pressure, high cholesterol, or high fasting plasma glucose, and we would not want to double count the mediated effects when we estimate aggregates across risk factors.

Uncertainty is propagated throughout all these calculations by creating 1,000 values for each prevalence, death, YLL, YLD, or DALY estimate and performing aggregations across causes and locations at the level of each of the 1,000 values for all intermediate steps in the calculation. The lower and upper bounds of the $95 \%$ uncertainty interval are the $25^{\text {th }}$ and $975^{\text {th }}$ values of the ordered 1,000 values. For all age-standardised rates, GBD uses a standard population calculated as the non-weighted average across all countries of the percentage of the population in each five-year age group for the years 2010 to 2035 from the United Nations Population Division's World Population Prospects (2012 revision).

GBD uses a composite indicator or sociodemographic development, SDI, which reflects the geometric mean of normalised values of a location's income per capita, the average years of schooling in the population 15 and over, and the total fertility rate. Countries and territories are grouped into five quintiles of high, high-middle, middle, low-middle, and low SDI based on their 2016 values.

## Ischaemic Stroke \& Haemorrhagic Stroke

## Flowchart



Input data and methodological summary

## Case definition

Stroke was defined according to WHO criteria - rapidly developing clinical signs of focal (at times global) disturbance of cerebral function lasting more than 24 hours or leading to death with no apparent cause other than that of vascular origin(1). Data on transient ischaemic attack (TIA) were not included.

Acute stroke: Stroke cases are considered acute from the day of incidence of a first-ever stroke through day 28 following the event.

Chronic stroke: Stroke cases are considered chronic beginning 28 days following the occurrence of an event. Chronic stroke includes the sequelae of an acute stroke AND all recurrent stroke events. GBD 2015 adopts this broader definition of chronic stroke than was used in prior iterations in order to model acute strokes using only first-ever incident events.

Ischaemic stroke: Incident ischaemic stroke is defined as the occurrence of first-ever ischaemic stroke, based on clinical diagnosis by a physician using diagnostic imaging. Ischaemic strokes are considered to include all vascular events leading to limited blood flow to brain tissue, with resulting infarction, including atherosclerotic and thromboembolic strokes but excluding strokes in which the underlying cause is intracranial haemorrhage.

Haemorrhagic or other strokes: This cause includes all non-ischaemic strokes of a vascular cause including subarachnoid and stroke due to intracranial haemorrhage.

ICD codes used for inclusion of hospital and claims data can be found in Appendix Table 4
Input data
Model inputs
A systematic review was not performed for GBD 2016. Updates to systematic reviews are performed on an ongoing schedule across all GBD causes; an update for cerebrovascular disease will be performed in the next iteration.

A systematic review of the literature was performed in GBD 2013. The search terms used were: (stroke[Mesh]) AND (prevalence[Title/Abstract] OR incidence[Title/Abstract]) AND ("2010"[Date Publication] : "3000"[Date - Publication]) AND (hasabstract[text] AND Humans[Mesh] AND middle age[MeSH])) (hasabstract[text] AND Humans[Mesh] AND middle age[MeSH])) OR 21) AND ((hemorrhagic stroke/epidemiology[Mesh] OR hemorrhagic stroke/mortality[Mesh]) AND (prevalence[Title/Abstract] OR incidence[Title/Abstract]) AND ("2010"[Date - Publication] : "3000"[Date - Publication]) AND (hasabstract[text] AND Humans[Mesh] AND middle age[MeSH]))

The tables below indicate the number of literature studies included in GBD 2016, as well as the number of countries or subnational units and GBD world regions represented.

Acute Ischaemic stroke

|  | Prevalence | Incidence | Mortality risk |
| :--- | :---: | :---: | :---: |
| Studies | 0 | 73 | 14 |
| Countries/subnationals | 0 | 55 | 12 |
| GBD world regions | 0 | 14 | 5 |

Acute Haemorrhagic or other stroke

|  | Prevalence | Incidence | Mortality risk |
| :--- | :---: | :---: | :---: |
| Studies | 0 | 73 | 10 |
| Countries/subnationals | 0 | 51 | 11 |
| GBD world regions | 0 | 13 | 4 |

Chronic Ischaemic stroke

|  | Prevalence | Incidence | Mortality risk |
| :--- | :---: | :---: | :---: |
| Studies | 53 | 0 | 8 |
| Countries/subnationals | 50 | 0 | 4 |
| GBD world regions | 14 | 0 | 2 |


|  | Prevalence | Incidence | Mortality risk |
| :--- | :---: | :---: | :---: |
| Studies | 53 | 0 | 8 |
| Countries/subnationals | 50 | 0 | 4 |
| GBD world regions | 14 | 0 | 2 |

We included inpatient hospital data, adjusted for readmission and primary to any diagnosis using correction factors estimated from US claims data. We excluded data for locations where the data points were implausibly low (Vietnam, Philippines, India). In addition, we included unpublished stroke registry data for acute ischaemic and acute haemorrhagic strokes. We also included survey data for chronic cerebrovascular disease. These surveys were identified based on expert opinion and review of major survey series focused on world health that included questions regarding self-reported history of stroke.

As with many models in GBD, the diversity of data sources available means that we needed to adjust available data to our preferred or reference case definition (2). For the first ever acute stroke models we used DisMod to estimate the statistical association between measurements taken using different case definitions and then used these estimates to adjust the non-referent datapoints. We included study-level covariates to adjust data points for first and recurrent strokes combined, using data for first strokes only as reference. We also included study-level covariates to adjust ischaemic and haemorrhagic strokes combined (all stroke), using as reference studies with subtype-specific information.

## Severity split inputs

The table below illustrates the severity level, lay description, and disability weights for GBD 2016. In previous iterations of the GBD, severity splits for stroke were based on the standard approach described elsewhere (3). For GBD 2016, we undertook a review to identify epidemiologic literature which reported the degree of disability at 28 days (for acute stroke) or one year (for chronic stroke) using the modified Rankin scale (mRS) and the Mini-mental State Examination (MMSE) or the Montreal Cognitive Assessment (MoCA). The mRS assesses functional capabilities, while the MMSE and MoCA tests provide evaluations of cognitive functioning. We then mapped these measures to the existing GBD categories as indicated below. This appproach allowed us to include location-specific information and can be updated as more data on functional or cognitive status become available.

Acute stroke severity splits

| Severity level | Lay description | Modified <br> Rankin Score | Cognitive <br> Status | DW (95\% CI) |
| :--- | :--- | :---: | :---: | :---: |
| Stroke, mild | Has some difficulty in moving <br> around and some weakness in one <br> hand, but is able to walk without <br> help. | 1 | $\mathrm{~N} / \mathrm{A}$ | 0.019 |
| Stroke, moderate | Has some difficulty in moving <br> around, and in using the hands for <br> lifting and holding things, <br> dressing, and grooming. | 2,3 | MoCA>=24 | (0.01-0.032) |


| Stroke, moderate plus cognition problems | Has some difficulty in moving around, in using the hands for lifting and holding things, dressing and grooming, and in speaking. The person is often forgetful and confused. | 2,3 | $\begin{aligned} & \text { MoCA<24 } \\ & \text { or } \\ & \text { MMSE }<26 \end{aligned}$ | $\begin{gathered} 0.316 \text { (0.206- } \\ 0.437) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Stroke, severe | Is confined to bed or a wheelchair, has difficulty speaking, and depends on others for feeding, toileting, and dressing. | 4, 5 | MoCA>=24 <br> or <br> MMSE>=26 | $\begin{gathered} 0.552(0.377- \\ 0.707) \end{gathered}$ |
| Stroke, severe plus cognition problems | Is confined to bed or a wheelchair, depends on others for feeding, toileting, and dressing, and has difficulty speaking, thinking clearly, and remembering things. |  | $\begin{gathered} \text { MoCA<24 } \\ \text { or } \\ \text { MMSE<26 } \end{gathered}$ | $\begin{gathered} 0.588 \text { (0.411- } \\ 0.744) \end{gathered}$ |

## Chronic stroke severity splits

| Severity level | Lay description | Modified <br> Rankin <br> Score | Cognitive <br> Status | DW (95\% CI) |
| :---: | :---: | :---: | :---: | :---: |
| Stroke, asymptomatic |  | 0 | N/A | N/A |
| Stroke, long-term consequences, mild | Has some difficulty in moving around and some weakness in one hand, but is able to walk without help. | 1 | N/A | $\begin{gathered} 0.019 \\ (0.01-0.032) \end{gathered}$ |
| Stroke, long-term consequences, moderate | Has some difficulty in moving around, and in using the hands for lifting and holding things, dressing, and grooming. | 2,3 | $\begin{gathered} \text { MoCA> }=24 \\ \text { or } \\ \text { MMSE }>=26 \end{gathered}$ | $\begin{gathered} 0.07 \\ (0.046-0.099) \end{gathered}$ |
| Stroke, long-term consequences, moderate plus cognition problems | Has some difficulty in moving around, in using the hands for lifting and holding things, dressing and grooming, and in speaking. The person is often forgetful and confused. | 2,3 | MoCA<24 or MMSE<26 | $\begin{gathered} 0.316 \\ (0.206-0.437) \end{gathered}$ |


| Stroke, long-term consequences, severe | Is confined to bed or a wheelchair, has difficulty speaking, and depends on others for feeding, toileting, and dressing. | 4, 5 | $\begin{aligned} & \text { MoCA>=24 } \\ & \text { or } \\ & \text { MMSE }>=26 \end{aligned}$ | $\begin{gathered} 0.552 \\ (0.377-0.707) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: |
| Stroke, long-term consequences, severe plus cognition problems | Is confined to bed or a wheelchair, depends on others for feeding, toileting, and dressing, and has difficulty speaking, thinking clearly, and remembering things. | 4, 5 | $\begin{gathered} \text { MoCA<24 or } \\ \text { MMSE<26 } \end{gathered}$ | $\begin{gathered} 0.588 \\ (0.411-0.744) \end{gathered}$ |

## Severity split literature data availability

| Acute Proportion | Chronic Proportion |
| :---: | :---: |
| 6 | 13 |
| 5 | 11 |
| 5 | 5 |

We used DisMod MR 2.1, a Bayesian meta-regression tool, to model the six severity levels, with an independent proportion model for each. Reports which grouped mRS scores differently than our mapping (e.g. 0-2) were adjusted in DisMod by estimating the association between these alternate groupings and our preferred mappings. These statistical associations were used to adjust data points to the referent category as necessary. The six models were scaled such that the sum of the proportions for all levels equaled 1.

## Modelling strategy

Three general approaches were employed for all of the components of the stroke modelling process, detailed in the table below.

- Data points were adjusted from nonstandard to standard case deinitions using estimates from statistical models generated by DisMod for the acute models. Coefficients for these crosswalks can be found in the tables for fixed effects located below.
- The GBD summary exposure value, which is the relative risk-weighted prevalence of exposure, for ischaemic or haemorrhagic stroke as appropriate and a covariate for country income were used as country-level covariates for all models (4). Coefficients for these covariates can be found in the tables for fixed effects located below.
- Two versions of each stroke model were run, referred to as step 1 and step 2 models. First, we ran the step 1 DisMod-MR models for acute and chronic subtype-specific stroke using only incidence, prevalence, and case fatality data as inputs. We then used the ratio of acute:chronic cause-specific mortality estimated by these models to divide GBD stroke deaths into acute and chronic stroke deaths, using the global average for the proportion of acute:chronic stroke mortality. The acute and chronic models were then run (step 2) using the same incidence, prevalence, and case fatality data as well as the custom causespecific mortality rates as input data.

Step 1

- We generated estimates for first-ever acute ischaemic and first-ever acute haemorrhagic stroke using DisMod-MR 2.1 with data collected on stroke incidence and excess mortality. We set value priors of 11 to 13 on remission for all ages to establish a onemonth duration for these acute sequelae.
- We then calculated the rate of surviving until 28 days after an acute event for both ischaemic and haemorrhagic stroke using the modelled estimates of excess mortality and incidence.
- These survivor data were then used in the chronic ischaemic and chronic haemorrhagic stroke models as incidence inputs.
- We then ran the chronic stroke models, using the survivor incidence data and excess mortality data. Non-subtype-specific prevalence data were split into ischaemic and haemorrhagic components using the ratio of 28-day survivors from the first stage acute models. We set a value prior of 0 on remission for all ages.
- Implausible or extreme outliers in input data were dropped from these estimation results.
- From these four models, we generated the proportions of deaths due to acute ischaemic, chronic ischaemic, acute haemorrhagic, and chronic haemorrhagic stroke, and split the post-CoDCorrect stroke deaths generated from the GBD mortality estimates into these four parts, by multiplying the location-, sex-, age- and year-specific CSMR results by the global proportions estimated from the DisMod models. Thus, the mortality rates due to acute ischaemic, chronic ischaemic, acute haemorrhagic, and chronic haemorrhagic stroke are driven by all available data on incidence, prevalence, and excess mortality data for stroke. These CSMR estimates were then uploaded into the non-fatal database and used as inputs for models in Step 2.
Step 2
- We re-ran the first-ever acute ischaemic and first-ever acute haemorrhagic models with CSMR as derived from CoDCorrect and epidemiologic data as described above. Twenty-eight-day survivorship was recalculated from these models and uploaded into the chronic ischaemic and chronic haemorrhagic stroke with CSMR models. These chronic models also use CSMR as derived from CoDCorrect and epidemiologic data as described above.
- Implausible or extreme outliers were dropped from these estimation results.

Models were evaluated based on expert opinion, comparison with previous iterations, and model fit.

## Changes in the modelling of stroke for GBD 2016

Several changes were made to the modelling strategy for stroke for the GBD 2016 study. In GBD 2015 and prior, chronic stroke was modelled for both subtypes (ischaemic and haemorrhagic or other) together to estimate the total prevalence of chronic stroke. For the GBD 2016 study, each stroke subtype was modelled independently, resulting in separate acute and chronic stroke models for each subtype. This change was made in order to simplify the stroke modeling process and to ensure that both subtypes were estimated correctly. In the GBD2015 and prior studies, severity splits were based on estimates derived from standard GBD analysis of the U.S. Medical Expenditure Panel Survey. For the GBD2016 study, a review of studies reporting modified Rankin scores following stroke was performed and disability weights were applied using a model of modified Rankin level by age and sex as described above.

1) Hatano S. Experience from a mulicentre stroke register: a preliminary report. Bull WHO 54, 541553. 1976.
2) GBD 2015 Disease and Injury Incidence and Prevalence Collaborators. Global, regional, and national incidence, prevalence, and years lived with disability for 310 diseases and injuries, 19902015: a systematic analysis for the Global Burden of Disease Study 2015.
Lancet. 2016 Oct 8;388(10053):1545-1602. doi: 10.1016/S0140-6736(16)31678-6.
3) Burstein et al. Estimating distributions of health state severity for the global burden of disease study. Population Health Metrics (2015) 13:31
4) GBD 2015 Risk Factors Collaborators. Global, regional, and national comparative risk assessment of 79 behavioural, environmental and occupational, and metabolic risks or clusters of risks, 19902015: a systematic analysis for the Global Burden of Disease Study 2015. Lancet. 2016 Oct 8;388(10053):1659-1724. doi: 10.1016/S0140-6736(16)31679-8.

The tables below indicate the covariates used by cause in the estimation process, as well as the beta and exponentiated beta values.
Step 1:

| Cause | Variable name | Measure | beta | Exponentiated beta |
| :--- | :--- | :--- | :---: | :---: |
| Chronic ischaemic stroke | Log-transformed SEV <br> scalar: Isch Stroke | Prevalence | $0.83(0.75-1.03)$ | $2.29(2.12-2.80)$ |
| Chronic ischaemic stroke | LDI (I\$ per capita) | Excess <br> mortality rate | $-0.16(-0.29--0.1)$ | $0.85(0.75-0.90)$ |
| Chronic haemorrhagic <br> stroke | Log-transformed SEV <br> scalar: Hem Stroke | Prevalence | $0.79(0.75-0.92)$ | $2.21(2.12-2.50)$ |
| Chronic haemorrhagic <br> stroke | LDI (I\$ per capita) | Excess <br> mortality rate | $-0.12(-0.16--0.1)$ | $0.89(0.85-0.90)$ |
| First ever acute <br> haemorrhagic stroke | Hospital data | Incidence | $0.54(0.54-0.54)$ | $1.71(1.71-1.72)$ |
| First ever acute <br> haemorrhagic stroke | Any stroke | Incidence | $1.27(1.27-1.28)$ | $3.57(3.56-3.59)$ |
| First ever acute <br> haemorrhagic stroke | First-ever acute stroke, <br> ischemic or hemorrhagic | Incidence | $0.52(0.52-0.53)$ | $1.69(1.68-1.71)$ |
| First ever acute <br> haemorrhagic stroke | Log-transformed age- <br> standardized SEV scalar: <br> hemorrhagic stroke | Incidence | $0.77(0.75-0.82)$ | $2.17(2.12-2.27)$ |
| First ever acute <br> haemorrhagic stroke | Any stroke | Excess <br> mortality rate | $-0.48(-0.66--$ | $0.62(0.52-0.73)$ |
| First ever acute <br> haemorrhagic stroke | First-ever acute stroke, <br> ischemic or hemorrhagic | Excess <br> mortality rate | $-0.081(-0.3-0.16)$ | $0.62(0.52-0.73)$ |
| First ever acute <br> ischaemic stroke | Hospital data | Incidence | $0.38(0.37-0.38)$ | $1.46(1.45-1.46)$ |
| First ever acute <br> ischaemic stroke | Any stroke | $0.31(0.29-0.33)$ | $1.37(1.34-1.39)$ |  |
| First ever acute <br> ischaemic stroke | First-ever acute stroke, <br> ischemic or hemorrhagic | Incidence | $0.37(0.36-0.38)$ | $1.44(1.43-1.46)$ |
| First ever acute <br> ischaemic stroke | Log-transformed age- <br> standardized SEV scalar: <br> ischemic stroke | Incidence | $1.16(1.09-1.22)$ | $3.21(2.99-3.39)$ |

Step 2:

| Cause | Variable name | Measure | beta | Exponentiated beta |
| :--- | :--- | :--- | :--- | :--- |
| Chronic ischemic <br> stroke with CSMR | Log-transformed SEV <br> scalar: Ischaemic stroke | Prevalence | $0.89(0.75-1.19)$ | $2.44(2.13-3.27)$ |
| Chronic ischemic <br> stroke with CSMR | LDI (I\$ per capita) | Excess <br> mortality rate | $-0.49(-0.5--0.46)$ | $0.61(0.61-0.63)$ |
| Chronic haemorrhagic <br> stroke with CSMR | Log-transformed SEV <br> scalar: Haemorrhagic <br> stroke |  |  |  |
| Chronic haemorrhagic <br> stroke with CSMR | LDI (I\$ per capita) | Excess <br> mortality rate | $-0.48(-0.5--0.44)$ | $0.62(0.61-0.64)$ |
| First-ever acute <br> haemorrhagic stroke <br> with CSMR | Any stroke |  |  |  |
| First-ever acute <br> haemorrhagic stroke <br> with CSMR | First-ever acute stroke, <br> ischemic or <br> hemorrhagic |  |  |  |
| First-ever acute <br> haemorrhagic stroke <br> with CSMR | Log-transformed SEV <br> scalar: Hem stroke | Incidence | $1.27(1.27-1.29)$ | $3.58(3.56-3.62)$ |
| First-ever acute <br> haemorrhagic stroke <br> with CSMR | Incidence | $0.52(0.52-0.54)$ | $1.69(1.68-1.71)$ |  |
| First-ever acute <br> haemorrhagic stroke <br> with CSMR | First-ever acute stroke, <br> ischemic or <br> hemorrhagic | Excess |  |  |
| First-ever acute <br> ischaemic stroke with <br> CSMR | First-ever acute stroke, <br> ischemic or <br> hemorrhagic | Excess <br> Any | mortality rate | $0.023(-0.2-0.23)$ |

## Methods Tables

## Table A1: GATHER checklist of information that should be included in reports of global health estimates, with description of compliance and location of information for GBD 2016.

\#
GATHER checklist item
Description of compliance

## Objectives and funding

1 Define the indicators, populations, and time periods for which estimates were made.

Narrative provided in Main text (Methods)
paper and and appendix
appendix describing
indicators, definitions, and populations

Funding sources listed Summary (Funding) in paper

Reference


6 Identify and describe any categories of input data that have potentially important biases (e.g., based on characteristics listed in item 5).

Summary of known Appendix
biases by cause
included in appendix

For data inputs that contribute to the analysis but were not synthesised as part of the study:

7 Describe and give sources for any other data inputs.

For all data inputs:
8 Provide all data inputs in a file format from which data can be efficiently extracted (e.g., a spreadsheet as opposed to a PDF), including all relevant meta-data listed in item 5. For any data inputs that cannot be shared due to ethical or legal reasons, such as third-party ownership, provide a contact name or the name of the institution that retains the right to the data.

## Data analysis

9 Provide a conceptual overview of the data analysis method. A diagram may be helpful.

10 Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data preprocessing, data adjustments and weighting of data sources, and mathematical or statistical model(s).

11 Describe how candidate models were evaluated and how the final model(s) were selected.

| Included in online data | $\underline{\text { http://ghdx.healthdata.org/gbd- }}$ |
| :--- | :--- |
| source tool | $\underline{2016}$ |

Downloads of input data
available through online tools, including data visualisation tools and data query tools; input data not available in tools will be made available upon request

Flow diagrams of the overall methodological processes, as well as cause-specific modelling
processes, have been
provided
Flow diagrams and corresponding methodological writeups for each cause, as well as the databases and modelling processes, have been provided

Provided in the methodological writeups

Main text (Methods)
and
appendix

Appendix

12 Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.

13 Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.

14 State how analytic or statistical source code used to generate estimates can be accessed.

## Results and Discussion

15 Provide published estimates in a file format from which data can be efficiently extracted.

16 Report a quantitative measure of the uncertainty of the estimates (e.g. uncertainty intervals).

17 Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.

18 Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.
Provided in the
methodological write-
ups

Appendix

Appendix
GBD 2016 results are
available through
online
data visualisation tools,
the Global Health Data
Exchange, and the
online data query tool

Uncertainty intervals are provided with all results

Discussion of methodological changes
between GBD rounds
provided in the
narrative
of the manuscript and appendix

Discussion of limitations provided in the narrative of the main paper, as well as in the

Appendix

Appendix
http://ghdx.healthdata.org/gbd-2016-code

Main text, and online data tools
(data visualisation tools, data
query tools, and the Global Health Data Exchange)

Main text, appendix, and online data tools (data
visualisation tools, data query
tools, and the Global Health Data Exchange)

Main text (Methods and Discussion) and appendix

Main text (Limitations) and appendix
methodological write-
ups
in the appendix

Table A2: ICD Codes used in fatal and nonfatal analysis
Fatal analysis
ICD10 ICD9

| Cerebrovascular disease | G45-G46.8, I60-I63.9, I65- | $430-435.9,437.0-437.2,437.5-$ |
| :--- | :--- | :--- |
|  | I66.9, I67.0-I67.3, I67.5-I67.6, | 437.8 |
|  | I68.1-I68.2, I69.0-I69.3 |  |
| Ischaemic stroke | G45-G46.8, I63-I63.9, I65- | $433-435.9,437.0-437.1,437.5-$ |
|  | I66.9, I67.2-I67.3, I67.5-I67.6, | 437.8 |
|  | I69.3 |  |
| Hemorrhagic stroke | I60-I62.9, I67.0-I67.1, I68.1- | $430-432.9,437.2$ |

Nonfatal analysis

## ICD10 <br> ICD9

Cerebrovascular disease I60-I63.9, I65-I66.9, I67.0-I67.3, 430-434.9, 437.0-437.2, 437.5-I67.5-I67.6, I68.1-I68.2, I69.0- 437.8 169.3

Ischaemic stroke
Hemorrhagic stroke

I63-I63.9, I65-I66.9, I67.2-I67.3, 433-434.9, 437.0-437.1, 437.5-I67.5-I67.6, I69.3 437.8 I60-I62.9, I67.0-I67.1, I68.1- $430-432.9,437.2$ I68.2, I69.0-I69.2

Table A3: Selected covariates for CODEm models, overall stroke and subtypes

| Covariate | Level | Direction, Stroke | Direction, Ischaemic stroke | Direction, Hemorrhagic stroke |
| :---: | :---: | :---: | :---: | :---: |
| Summary exposure variable | 1 | + | + | + |
| Cholesterol (total, mean per capita) | 1 | + | + | 0 |
| Smoking prevalence | 1 | + | + | + |
| Systolic blood pressure ( mmHg ) | 1 | + | + | + |
| Trans fatty acid | 1 | + | + | + |
| Mean BMI | 2 | + | + | + |
| Elevation over 1500m (proportion) | 2 | - | - | - |
| Fasting plasma glucose | 2 | + | + | + |
| Outdoor pollution ( $\mathrm{PM}_{2.5}$ ) | 2 | + | + | + |
| Indoor air pollution | 2 | + | + | + |
| Healthcare access and quality index | 2 | - | - | - |
| Lag distributed income per capita (I\$)* | 3 |  | - | - |
| Socio-demographic Index | 3 | 0 | 0 | 0 |
| Omega-3 (kcal/capita, adjusted)* | 3 | - | - | - |
| Fruits (kcal/capita, adjusted) | 3 | - | - | - |
| Vegetables (kcal/capita, adjusted) | 3 | - | - | - |
| Nuts and seeds (kcal/capita, adjusted) | 3 | - | - | - |
| Whole grains (kcal/capita, adjusted) | 3 |  | - | - |
| Pulses/legumes (kcal/capita, adjusted) | 3 | - | - | - |
| PUFA adjusted (percent) | 3 | - | - | - |
| Alcohol (litres per capita) | 3 | 0 | 0 | 0 |

[^0]Table A4: Counts of data points used by measure and stroke model for GBD 2016
First-ever acute hemorrhagic stroke:

| Region Name | Incidence | Prevalence | Remission | Mortality | Hospital <br> Claims |
| :--- | :---: | :---: | :---: | :---: | :---: |
| East Asia | 5 | 0 | 0 | 0 | 1 |
| Southeast Asia | 0 | 0 | 0 | 0 | 1 |
| Oceania | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 1 | 0 | 0 | 1 | 1 |
| Central Europe | 3 | 0 | 0 | 1 | 14 |
| Eastern Europe | 5 | 0 | 0 | 2 | 5 |
| High-income Asia Pacific | 3 | 0 | 0 | 0 | 0 |
| Australasia | 9 | 0 | 0 | 3 | 4 |
| Western Europe | 29 | 0 | 0 | 17 | 31 |
| Southern Latin America | 2 | 0 | 0 | 2 | 0 |
| High-income North America | 2 | 0 | 0 | 0 | 5 |
| Caribbean | 0 | 0 | 0 | 0 | 0 |
| Andean Latin America | 0 | 0 | 0 | 0 | 0 |
| Central Latin America | 0 | 0 | 0 | 0 | 0 |
| Tropical Latin America | 0 | 0 | 0 | 0 | 0 |
| North Africa and Middle East | 8 | 0 | 0 | 13 | 2 |
| South Asia | 4 | 0 | 0 | 6 | 0 |
| Central Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Eastern Sub-Saharan Africa | 1 | 0 | 0 | 1 | 0 |
| Southern Sub-Saharan Africa | 1 | 0 | 0 | 0 | 0 |
| Western Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Total | $\mathbf{7 3}$ | $\mathbf{0}$ | $\mathbf{0}$ | $\mathbf{4 6}$ | $\mathbf{6 4}$ |

First-ever acute ischaemic stroke:

| Region Name | Incidence | Prevalence | Remission | Mortality | Hospital <br> Claims |
| :--- | :---: | :---: | :---: | :---: | :---: |
| East Asia | 5 | 0 | 0 | 0 | 1 |
| Southeast Asia | 0 | 0 | 0 | 0 | 1 |
| Oceania | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 1 | 0 | 0 | 0 | 1 |
| Central Europe | 3 | 0 | 0 | 2 | 14 |
| Eastern Europe | 5 | 0 | 0 | 1 | 5 |
| High-income Asia Pacific | 4 | 0 | 0 | 0 | 0 |
| Australasia | 8 | 0 | 0 | 0 | 4 |
| Western Europe | 27 | 0 | 0 | 6 | 31 |
| Southern Latin America | 2 | 0 | 0 | 1 | 0 |
| High-income North America | 1 | 0 | 0 | 0 | 5 |
| Caribbean | 0 | 0 | 0 | 0 | 0 |
| Andean Latin America | 0 | 0 | 0 | 0 | 0 |
| Central Latin America | 0 | 0 | 0 | 0 | 0 |
| Tropical Latin America | 2 | 0 | 0 | 0 | 0 |
| North Africa and Middle East | 9 | 0 | 0 | 7 | 2 |
| South Asia | 4 | 0 | 0 | 4 | 0 |
| Central Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Eastern Sub-Saharan Africa | 1 | 0 | 0 | 0 | 0 |
| Southern Sub-Saharan Africa | 1 | 0 | 0 | 0 | 0 |
| Western Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Total | $\mathbf{7 3}$ | $\mathbf{0}$ | $\mathbf{0}$ | $\mathbf{2 1}$ | $\mathbf{6 4}$ |

Chronic hemorrhagic stroke:

| Region Name | Incidence | Prevalence | Remission | Mortality | Hospital <br> Claims |
| :--- | :---: | :---: | :---: | :---: | :---: |
| East Asia | 0 | 4 | 0 | 0 | 0 |
| Southeast Asia | 0 | 3 | 0 | 0 | 0 |
| Oceania | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 1 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 |
| High-income Asia Pacific | 0 | 2 | 0 | 0 | 0 |
| Australasia | 0 | 1 | 0 | 2 | 0 |
| Western Europe | 0 | 42 | 0 | 7 | 0 |
| Southern Latin America | 0 | 1 | 0 | 0 | 0 |
| High-income North America | 0 | 39 | 0 | 0 | 0 |
| Caribbean | 0 | 2 | 0 | 0 | 0 |
| Andean Latin America | 0 | 1 | 0 | 0 | 0 |
| Central Latin America | 0 | 4 | 0 | 0 | 0 |
| Tropical Latin America | 0 | 1 | 0 | 0 | 0 |
| North Africa and Middle East | 0 | 2 | 0 | 0 | 0 |
| South Asia | 0 | 10 | 0 | 0 | 0 |
| Central Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Eastern Sub-Saharan Africa | 0 | 2 | 0 | 0 | 0 |
| Southern Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Western Sub-Saharan Africa | 0 | 4 | 0 | 0 | 0 |
| Total | $\mathbf{0}$ | $\mathbf{1 1 8}$ | $\mathbf{0}$ | $\mathbf{1 0}$ | $\mathbf{0}$ |

Chronic ischaemic stroke:

| Region Name | Incidence | Prevalence | Remission | Mortality | Hospital <br> Claims |
| :--- | :---: | :---: | :---: | :---: | :---: |
| East Asia | 0 | 4 | 0 | 0 | 0 |
| Southeast Asia | 0 | 3 | 0 | 0 | 0 |
| Oceania | 0 | 0 | 0 | 0 | 0 |
| Central Asia | 0 | 0 | 0 | 0 | 0 |
| Central Europe | 0 | 0 | 0 | 1 | 0 |
| Eastern Europe | 0 | 0 | 0 | 0 | 0 |
| High-income Asia Pacific | 0 | 2 | 0 | 0 | 0 |
| Australasia | 0 | 1 | 0 | 2 | 0 |
| Western Europe | 0 | 42 | 0 | 7 | 0 |
| Southern Latin America | 0 | 1 | 0 | 0 | 0 |
| High-income North America | 0 | 39 | 0 | 0 | 0 |
| Caribbean | 0 | 2 | 0 | 0 | 0 |
| Andean Latin America | 0 | 1 | 0 | 0 | 0 |
| Central Latin America | 0 | 4 | 0 | 0 | 0 |
| Tropical Latin America | 0 | 1 | 0 | 0 | 0 |
| North Africa and Middle East | 0 | 2 | 0 | 0 | 0 |
| South Asia | 0 | 11 | 0 | 0 | 0 |
| Central Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Eastern Sub-Saharan Africa | 0 | 2 | 0 | 0 | 0 |
| Southern Sub-Saharan Africa | 0 | 0 | 0 | 0 | 0 |
| Western Sub-Saharan Africa | 0 | 4 | 0 | 0 | 0 |
| Total | $\mathbf{0}$ | $\mathbf{1 1 9}$ | $\mathbf{0}$ | $\mathbf{1 0}$ | $\mathbf{0}$ |

Table A5: DisMod covariates
Step 1:

| Cause | Variable name | Measure | beta | Exponentiated beta |
| :---: | :---: | :---: | :---: | :---: |
| Chronic ischaemic stroke | Log-transformed SEV scalar: Isch Stroke | Prevalence | $\begin{gathered} 0.83(0.75- \\ 1.03) \end{gathered}$ | $\begin{gathered} 2.29(2.12- \\ 2.80) \end{gathered}$ |
| Chronic ischaemic stroke | LDI (I\$ per capita) | Excess mortality rate | $\begin{gathered} -0.16(-0.29-- \\ 0.1) \end{gathered}$ | $\begin{gathered} 0.85(0.75- \\ 0.90) \end{gathered}$ |
| Chronic haemorrhagic stroke | Log-transformed SEV scalar: Hem Stroke | Prevalence | $\begin{gathered} \hline 0.79(0.75- \\ 0.92) \\ \hline \end{gathered}$ | $\begin{gathered} 2.21(2.12- \\ 2.50) \\ \hline \end{gathered}$ |
| Chronic haemorrhagic stroke | LDI (I\$ per capita) | Excess mortality rate | $\begin{gathered} -0.12(-0.16-- \\ 0.1) \end{gathered}$ | $\begin{gathered} 0.89(0.85- \\ 0.90) \end{gathered}$ |
| First ever acute haemorrhagic stroke | Hospital data | Incidence | $\begin{gathered} 0.54(0.54- \\ 0.54) \\ \hline \end{gathered}$ | 1.71 (1.71-1.72) |
| First ever acute haemorrhagic stroke | Any stroke | Incidence | $\begin{gathered} 1.27(1.27- \\ 1.28) \end{gathered}$ | 3.57 (3.56-3.59) |
| First ever acute haemorrhagic stroke | First-ever acute stroke, ischaemic or hemorrhagic | Incidence | $\begin{gathered} 0.52(0.52- \\ 0.53) \end{gathered}$ | 1.69 (1.68-1.71) |
| First ever acute haemorrhagic stroke | Log-transformed agestandardized SEV scalar: hemorrhagic stroke | Incidence | $\begin{gathered} 0.77(0.75- \\ 0.82) \end{gathered}$ | 2.17 (2.12-2.27) |
| First ever acute haemorrhagic stroke | Any stroke | Excess mortality rate | $\begin{gathered} -0.48(-0.66-- \\ 0.32) \end{gathered}$ | 0.62 (0.52-0.73) |
| First ever acute haemorrhagic stroke | First-ever acute stroke, ischaemic or hemorrhagic | Excess mortality rate | $\begin{gathered} -0.081(-0.3- \\ 0.16) \end{gathered}$ | 0.62 (0.52-0.73) |
| First ever acute ischaemic stroke | Hospital data | Incidence | $\begin{gathered} 0.38(0.37- \\ 0.38) \end{gathered}$ | 1.46 (1.45-1.46) |
| First ever acute ischaemic stroke | Any stroke | Incidence | $\begin{gathered} 0.31(0.29- \\ 0.33) \\ \hline \end{gathered}$ | 1.37 (1.34-1.39) |
| First ever acute ischaemic stroke | First-ever acute stroke, ischaemic or hemorrhagic | Incidence | $\begin{gathered} 0.37(0.36- \\ 0.38) \end{gathered}$ | 1.44 (1.43-1.46) |
| First ever acute ischaemic stroke | Log-transformed agestandardized SEV scalar: ischaemic stroke | Incidence | $\begin{gathered} 1.16(1.09- \\ 1.22) \end{gathered}$ | 3.21 (2.99-3.39) |

Step 2:

| Cause | Variable name | Measure | beta | Exponentiated beta |
| :---: | :---: | :---: | :---: | :---: |
| Chronic ischaemic stroke with CSMR | Log-transformed SEV scalar: Ischaemic stroke | Prevalence | 0.89 (0.75-1.19) | 2.44 (2.13-3.27) |
| Chronic ischaemic stroke with CSMR | LDI (I\$ per capita) | Excess mortality rate | $\begin{aligned} & -0.49(-0.5-- \\ & 0.46) \\ & \hline \end{aligned}$ | 0.61 (0.61-0.63) |
| Chronic haemorrhagic stroke with CSMR | Log-transformed SEV scalar: Haemorrhagic stroke | Prevalence | $0.88(0.75-1.15)$ | 2.40 (2.13-3.17) |
| Chronic haemorrhagic stroke with CSMR | LDI (I\$ per capita) | Excess mortality rate | $\begin{aligned} & -0.48(-0.5-- \\ & 0.44) \end{aligned}$ | 0.62 (0.61-0.64) |
| First-ever acute haemorrhagic stroke with CSMR | Any stroke | Incidence | 1.27 (1.27-1.29) | 3.58 (3.56-3.62) |
| First-ever acute haemorrhagic stroke with CSMR | First-ever acute stroke, ischaemic or hemorrhagic | Incidence | 0.52 (0.52-0.54) | 1.69 (1.68-1.71) |
| First-ever acute haemorrhagic stroke with CSMR | Log-transformed SEV scalar: Hem stroke | Incidence | 1.11 (1.01-1.20) | 3.03 (2.74-3.33) |
| First-ever acute haemorrhagic stroke with CSMR | Any stroke | Excess mortality rate | $\begin{aligned} & -0.37(-0.49-- \\ & 0.27) \end{aligned}$ | 0.69 (0.62-0.77) |
| First-ever acute haemorrhagic stroke with CSMR | First-ever acute stroke, ischaemic or hemorrhagic | Excess mortality rate | $\begin{aligned} & 0.023(-0.2- \\ & 0.23) \end{aligned}$ | 1.02 (0.82-1.25) |
| First-ever acute ischaemic stroke with CSMR | Any stroke | Incidence | 0.32 (0.30-0.33) | 1.38 (1.35-1.39) |
| First-ever acute ischaemic stroke with CSMR | First-ever acute stroke, ischaemic or hemorrhagic | Incidence | 0.37 (0.36-0.38) | 1.44 (1.43-1.46) |
| First-ever acute ischaemic stroke with CSMR | Log-transformed agestandardized SEV scalar: Ischaemic stroke | Incidence | 1.11 (1.05-1.18) | 3.04 (2.86-3.26) |
| First-ever acute ischaemic stroke with CSMR | Any stroke | Excess mortality rate | $\begin{aligned} & -0.34(-0.45-- \\ & 0.24) \\ & \hline \end{aligned}$ | 0.71 (0.64-0.79) |
| First-ever acute ischaemic stroke with CSMR | First-ever acute stroke, ischaemic or hemorrhagic | Excess mortality rate | $\begin{aligned} & -0.69(-0.82-- \\ & 0.56) \end{aligned}$ | $\begin{gathered} 0.51 \quad(0.44- \\ 0.57) \\ \hline \end{gathered}$ |

Table A6: Sequelae and disability weights for ischaemic and hemorrhagic stroke

| Sequela | Health state lay description | Disability weight |
| :---: | :---: | :---: |
| Asymptomatic chronic stroke |  | N/A |
| Acute and chronic stroke, severity level 1 | Has some difficulty in moving around and some weakness in one hand, but is able to walk without help | $\begin{gathered} 0.019 \\ (0.01-0.032) \end{gathered}$ |
| Acute and chronic stroke, severity level 2 | Has some difficulty in moving around and in using the hands for lifting and holding things, dressing and grooming | $\begin{gathered} 0.07 \\ (0.046-0.099) \end{gathered}$ |
| Acute and chronic stroke, severity level 3 | Has some difficulty in moving around, in using the hands for lifting and holding things, dressing and grooming, and in speaking. The person is often forgetful and confused. | $\begin{gathered} 0.316 \\ (0.205-0.438) \end{gathered}$ |
| Acute and chronic stroke, severity level 4 | Is confined to bed or a wheelchair, has difficulty speaking and depends on others for feeding, toileting and dressing. | $\begin{gathered} 0.552 \\ (0.376-0.707) \end{gathered}$ |
| Acute and chronic stroke, severity level 5 | Is confined to bed or a wheelchair, depends on others for feeding, toileting and dressing, and has difficulty speaking, thinking clearly and remembering things. | $\begin{gathered} 0.588 \\ (0.411-0.745) \end{gathered}$ |

## Supplementary Tables and Figures

Figure A1: DALYs attributable to risk factors; all ages by sex and stroke subtype for 1990 and 2016; risk factors are ranked by percent attributable fraction shown.

Global ischaemic stroke DALYs attributable to risk factors; all ages by sex for 1990 and 2016; risk factors are ranked by percent attributable fraction shown.


Global haemorrhagic stroke DALYs attributable to risk factors; all ages by sex for 1990 and 2016; risk factors are ranked by percent attributable fraction shown.


Table A7: Incidence, deaths and DALYs for 2016 and percentage change of age-standardized rates by location for Ischemic stroke

| Location | Deaths (95\% UI) |  | Incidence (95\% UI) |  | DALYs (95\% UI) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 counts | Percentage change in agestandardised rates between 1990 and 2016 | 2016 counts | Percentage change in agestandardised rates between 1990 and 2016 | 2016 counts | Percentage change in agestandardised rates between 1990 and 2016 |
| Global | $\begin{gathered} 2690170 \\ (2571770 \text { to } 2 \\ 817623) \end{gathered}$ | $\begin{gathered} -34.5 \\ (-37.1 \text { to }-31.8) \end{gathered}$ | $\begin{gathered} 9556443 \\ (8654630 \text { to } \\ 10512905) \end{gathered}$ | $\begin{gathered} -5.4 \\ (-6.6 \text { to }-4.2) \end{gathered}$ | $\begin{gathered} \hline 51897437 \\ (47896550 \\ \text { to } 55567 \\ 646 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -29.2 \\ (-32.0 \text { to }-26.2) \end{gathered}$ |
| High SDI | $\begin{gathered} 429663 \\ \text { (399 216 to } 460 \\ 964) \end{gathered}$ | $\begin{gathered} -54.6 \\ (-56.1 \text { to }-53.0) \end{gathered}$ | $\begin{gathered} 1791320 \\ (1621796 \text { to } \\ 1959587) \end{gathered}$ | $\begin{gathered} -20.3 \\ (-21.4 \text { to }-19.1) \end{gathered}$ | $\begin{gathered} 6532239 \\ \text { (5 } 791718 \\ \text { to } 7205 \\ 027 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -48.9 \\ (-51.6 \text { to }-46.2) \end{gathered}$ |
| High-middle SDI | $\begin{gathered} 663976 \\ \text { (599 } 555 \text { to } 739 \\ 854) \end{gathered}$ | $\begin{gathered} -42.9 \\ (-48.3 \text { to }-36.4) \end{gathered}$ | $\begin{gathered} 2428051 \\ \text { (2 } 2195540 \text { to } \\ 2667827 \text { ) } \end{gathered}$ | $\begin{gathered} -14.3 \\ (-15.8 \text { to }-12.9) \end{gathered}$ | $\begin{gathered} 12192246 \\ \text { (10 } 124134 \\ \text { to } 13610 \\ 902) \\ \hline \end{gathered}$ | $\begin{gathered} -38.1 \\ (-43.7 \text { to }-32.1) \end{gathered}$ |
| Middle SDI | $\begin{gathered} 924336 \\ (887183 \text { to } 962 \\ 150) \end{gathered}$ | $\begin{gathered} -27.4 \\ (-32.8 \text { to }-22.5) \end{gathered}$ | $\begin{aligned} & 3627545 \\ & \text { (3255281 to } \\ & 3987965 \text { ) } \end{aligned}$ | $\begin{gathered} 9.8 \\ (8.5 \text { to } 11.1) \end{gathered}$ | $\begin{gathered} 19247043 \\ (17862440 \\ \text { to } 20661 \\ \text { 197) } \\ \hline \end{gathered}$ | $\begin{gathered} -23.3 \\ (-28.1 \text { to }-18.6) \end{gathered}$ |
| Low-middle SDI | $\begin{gathered} 550697 \\ \text { (516 112 to } 587 \\ 951) \end{gathered}$ | $\begin{gathered} -15.3 \\ (-21.6 \text { to }-7.8) \end{gathered}$ | $\begin{aligned} & 1391031 \\ & \text { (1 } 1246456 \text { to } \\ & 1542034 \text { ) } \end{aligned}$ | $\begin{gathered} 3.3 \\ (2.2 \text { to } 4.4) \end{gathered}$ | $\begin{gathered} \hline 11311804 \\ (10554602 \\ \text { to } 12188 \\ 078) \\ \hline \end{gathered}$ | $\begin{gathered} -15.8 \\ (-21.4 \text { to }-9.1) \end{gathered}$ |
| Low SDI | $\begin{gathered} 120112 \\ (110946 \text { to } 129 \\ 326) \end{gathered}$ | $\begin{gathered} -17.5 \\ (-23.3 \text { to }-9.5) \end{gathered}$ | $\begin{aligned} & 291575 \\ & \text { (258 } 421 \text { to } \\ & 325203 \text { ) } \end{aligned}$ | $\stackrel{-2.3}{(-3.5 \text { to }-1.1)}$ | $\begin{gathered} 2562776 \\ \text { (2 } 275815 \\ \text { to } 2756 \\ 203 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -17.8 \\ (-23.1 \text { to }-10.7) \end{gathered}$ |
| High-income North America | $\begin{gathered} 125923 \\ (118280 \text { to } 134 \\ 086) \end{gathered}$ | $\begin{gathered} -25.6 \\ (-28.6 \text { to }-23.0) \end{gathered}$ | $\begin{aligned} & 602049 \\ & (546325 \text { to } \\ & 658957) \end{aligned}$ | $\begin{gathered} -16.7 \\ (-17.8 \text { to }-15.7) \end{gathered}$ | $\begin{gathered} \hline 2042705 \\ (1806894 \\ \text { to } 2264 \\ 918) \\ \hline \end{gathered}$ | $\begin{gathered} -23.9 \\ (-26.9 \text { to }-21.0) \end{gathered}$ |
| Canada | $\begin{gathered} 12632 \\ (11444 \text { to } 14 \text { 051) } \end{gathered}$ | $\begin{gathered} -41.4 \\ (-46.6 \text { to }-35.9) \end{gathered}$ | $\begin{gathered} \hline 60288 \\ (53885 \text { to } 67 \\ 257) \\ \hline \end{gathered}$ | $\begin{gathered} -19.4 \\ (-21.4 \text { to }-17.6) \end{gathered}$ | $\begin{gathered} 185508 \\ (158484 \text { to } \\ 210038) \\ \hline \end{gathered}$ | $\begin{gathered} -37.0 \\ (-41.9 \text { to }-32.3) \end{gathered}$ |
| Greenland | $\begin{gathered} 12 \\ (10 \text { to } 16) \end{gathered}$ | $\begin{gathered} -57.7 \\ (-64.9 \text { to }-49.2) \end{gathered}$ | $\begin{gathered} 58 \\ \text { (50 to 66) } \end{gathered}$ | $\begin{gathered} -31.7 \\ (-33.4 \text { to }-30.0) \end{gathered}$ | $\begin{gathered} 275 \\ (224 \text { to } 332) \end{gathered}$ | $\begin{gathered} -53.0 \\ (-60.6 \text { to }-44.6) \end{gathered}$ |
| USA | $\begin{gathered} 113279 \\ (106424 \text { to } 120 \\ 430) \end{gathered}$ | $\begin{gathered} -23.8 \\ (-27.0 \text { to }-20.9) \end{gathered}$ | $\begin{aligned} & 541511 \\ & (491932 \text { to } \\ & 591924) \end{aligned}$ | $\begin{gathered} -16.4 \\ (-17.4 \text { to }-15.3) \end{gathered}$ | $\begin{gathered} 1856673 \\ (1643792 \\ \text { to } 2055 \\ 796) \\ \hline \end{gathered}$ | $\begin{gathered} -22.4 \\ (-25.5 \text { to }-19.4) \end{gathered}$ |


| Australasia | $\begin{gathered} 7833 \\ (7090 \text { to } 8546) \end{gathered}$ | $\begin{gathered} -52.7 \\ (-57.0 \text { to }-48.1) \end{gathered}$ | $\begin{gathered} 31498 \\ (28525 \text { to } 34 \\ 695) \\ \hline \end{gathered}$ | $\begin{gathered} -23.7 \\ (-25.3 \text { to }-22.1) \end{gathered}$ | $\begin{gathered} 102555 \\ (89408 \text { to } \\ 114758) \end{gathered}$ | $\begin{gathered} -50.9 \\ (-55.0 \text { to }-47.1) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Australia | $\begin{gathered} 6574 \\ (5871 \text { to } 7254) \end{gathered}$ | $\begin{gathered} -54.1 \\ (-58.6 \text { to }-49.1) \end{gathered}$ | $\begin{gathered} 24682 \\ (22030 \text { to } 27 \\ 527) \\ \hline \end{gathered}$ | $\begin{gathered} -28.9 \\ (-30.8 \text { to }-27.2) \end{gathered}$ | $\begin{gathered} 84977 \\ (73947 \text { to } \\ 94953) \\ \hline \end{gathered}$ | $\begin{gathered} -51.9 \\ (-56.3 \text { to }-47.9) \end{gathered}$ |
| New Zealand | $\begin{gathered} 1259 \\ (1097 \text { to } 1430) \end{gathered}$ | $\begin{gathered} -45.2 \\ (-51.5 \text { to }-38.3) \end{gathered}$ | $\begin{gathered} 6816 \\ (6072 \text { to } 7 \\ 331) \\ \hline \end{gathered}$ | $\begin{gathered} 3.5 \\ (0.4 \text { to } 7.0) \end{gathered}$ | $\begin{gathered} 17578 \\ (15228 \text { to } \\ 20101) \\ \hline \end{gathered}$ | $\begin{gathered} -45.7 \\ (-50.9 \text { to }-40.2) \end{gathered}$ |
| High-income Asia-Pacific | $\begin{aligned} & 97510 \\ & \text { (88 } 640 \text { to } 106 \\ & \text { 191) } \end{aligned}$ | $\begin{gathered} -70.2 \\ (-72.3 \text { to }-67.8) \end{gathered}$ | $\begin{aligned} & 311170 \\ & \text { (277 } 815 \text { to } \\ & 345544) \end{aligned}$ | $\begin{gathered} -33.4 \\ (-34.7 \text { to }-32.2) \end{gathered}$ | 1378765 (1 1215582 to 1530 286 ) | $\begin{gathered} -63.1 \\ (-66.3 \text { to }-59.9) \end{gathered}$ |
| Brunei | $\begin{gathered} 53 \\ (46 \text { to } 59) \end{gathered}$ | $\begin{gathered} -37.3 \\ (-46.0 \text { to }-28.0) \end{gathered}$ | $\begin{gathered} 253 \\ (223 \text { to } 284) \end{gathered}$ | $\begin{gathered} -24.4 \\ (-26.0 \text { to }-22.6) \end{gathered}$ | $\begin{gathered} 1208 \\ (1041 \text { to } 1 \\ 377) \\ \hline \end{gathered}$ | $\begin{gathered} -36.6 \\ (-44.6 \text { to }-28.8) \end{gathered}$ |
| Japan | $\begin{gathered} 74503 \\ (68306 \text { to } 80636) \end{gathered}$ | $\begin{gathered} -70.4 \\ (-72.0 \text { to }-69.0) \end{gathered}$ | $\begin{gathered} 245001 \\ (218576 \text { to } \\ 271353) \\ \hline \end{gathered}$ | $\begin{gathered} -29.8 \\ (-31.1 \text { to }-28.5) \end{gathered}$ | $\begin{gathered} 1000405 \\ (883701 \text { to } \\ 1108850) \\ \hline \end{gathered}$ | $\begin{gathered} -60.9 \\ (-63.8 \text { to }-58.3) \end{gathered}$ |
| Singapore | $\begin{gathered} 617 \\ (504 \text { to } 746) \end{gathered}$ | $\begin{gathered} -76.4 \\ (-80.9 \text { to }-70.8) \end{gathered}$ | $\begin{gathered} 4180 \\ (3699 \text { to } 4 \\ 699) \\ \hline \end{gathered}$ | $\begin{gathered} -37.1 \\ (-38.9 \text { to }-35.4) \end{gathered}$ | $\begin{gathered} 14272 \\ (11800 \text { to } \\ 16695) \\ \hline \end{gathered}$ | $\begin{gathered} -66.9 \\ (-72.1 \text { to -61.1) } \end{gathered}$ |
| South Korea | $\begin{gathered} 22337 \\ (17358 \text { to } 27 \text { 791) } \end{gathered}$ | $\begin{gathered} -72.5 \\ (-79.2 \text { to }-64.1) \end{gathered}$ | $\begin{gathered} 61736 \\ (54297 \text { to } 69 \\ 236) \\ \hline \end{gathered}$ | $\begin{gathered} -47.5 \\ (-49.2 \text { to }-46.0) \end{gathered}$ | $\begin{gathered} 362881 \\ (295633 \text { to } \\ 436337) \\ \hline \end{gathered}$ | $\begin{gathered} -71.9 \\ (-77.4 \text { to }-65.5) \end{gathered}$ |
| Western Europe | $\begin{gathered} 167818 \\ \text { (152 } 667 \text { to } 185 \\ 524) \end{gathered}$ | $\begin{gathered} -62.6 \\ (-64.6 \text { to }-60.4) \end{gathered}$ | $\begin{gathered} 708407 \\ \text { (640 } 914 \text { to } \\ 777120) \end{gathered}$ | $\begin{gathered} -22.7 \\ (-24.1 \text { to }-21.3) \end{gathered}$ | $\begin{gathered} 2376025 \\ (2094053 \\ \text { to } 2643 \\ 900) \\ \hline \end{gathered}$ | $\begin{gathered} -56.9 \\ (-59.8 \text { to }-54.2) \end{gathered}$ |
| Andorra | $\begin{gathered} 22 \\ (18 \text { to } 28) \end{gathered}$ | $\begin{gathered} -48.0 \\ (-59.5 \text { to }-33.4) \end{gathered}$ | $\begin{gathered} 123 \\ (109 \text { to } 139) \end{gathered}$ | $\begin{gathered} -16.9 \\ (-18.7 \text { to -15.4) } \end{gathered}$ | $\begin{gathered} 352 \\ (287 \text { to } 422) \end{gathered}$ | $\begin{gathered} -35.4 \\ (-45.4 \text { to }-25.1) \end{gathered}$ |
| Austria | $\begin{gathered} 2176 \\ (1859 \text { to } 2551) \end{gathered}$ | $\begin{gathered} -78.7 \\ (-80.9 \text { to }-76.1) \end{gathered}$ | $\begin{gathered} 16575 \\ (14924 \text { to } 18 \\ 374) \\ \hline \end{gathered}$ | $\begin{gathered} -25.3 \\ (-27.3 \text { to }-23.3) \end{gathered}$ | $\begin{gathered} 40550 \\ (33902 \text { to } \\ 47281) \end{gathered}$ | $\begin{gathered} -68.1 \\ (-71.9 \text { to }-64.2) \end{gathered}$ |
| Belgium | $\begin{gathered} 3889 \\ (3324 \text { to } 4460) \end{gathered}$ | $\begin{gathered} -63.0 \\ (-67.5 \text { to }-58.5) \end{gathered}$ | $\begin{gathered} \hline 19667 \\ (17327 \text { to } 22 \\ 010) \\ \hline \end{gathered}$ | $\begin{gathered} -15.0 \\ (-18.0 \text { to }-12.3) \end{gathered}$ | $\begin{gathered} 60551 \\ (51949 \text { to } \\ 69278) \\ \hline \end{gathered}$ | $\begin{gathered} -54.2 \\ (-59.1 \text { to }-49.4) \end{gathered}$ |
| Cyprus | $\begin{gathered} 252 \\ (219 \text { to } 289) \end{gathered}$ | $\begin{gathered} -60.6 \\ (-66.7 \text { to }-53.4) \end{gathered}$ | $\begin{gathered} 937 \\ (836 \text { to } 1 \end{gathered}$ 048) | $\begin{gathered} -30.7 \\ (-32.1 \text { to }-29.2) \end{gathered}$ | $\begin{gathered} 3772 \\ (3269 \text { to } 4 \\ 278) \\ \hline \end{gathered}$ | $\begin{gathered} -54.2 \\ (-60.6 \text { to }-47.7) \end{gathered}$ |
| Denmark | $\begin{gathered} 2061 \\ (1805 \text { to } 2345) \end{gathered}$ | $\begin{gathered} -46.0 \\ (-53.3 \text { to }-38.2) \end{gathered}$ | $\begin{gathered} 8391 \\ (7457 \text { to } 9 \\ 367) \\ \hline \end{gathered}$ | $\begin{gathered} -23.8 \\ (-25.7 \text { to }-22.0) \end{gathered}$ | $\begin{gathered} 31473 \\ (27631 \text { to } \\ 35389) \\ \hline \end{gathered}$ | $\begin{gathered} -44.3 \\ (-50.2 \text { to }-38.4) \end{gathered}$ |
| Finland | $\begin{gathered} 3670 \\ (3133 \text { to } 4273) \end{gathered}$ | $\begin{gathered} -54.1 \\ (-59.6 \text { to }-48.0) \end{gathered}$ | $\begin{gathered} 12717 \\ (11315 \text { to } 14 \\ 133) \\ \hline \end{gathered}$ | $\begin{gathered} -20.4 \\ (-22.7 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 49669 \\ (43163 \text { to } \\ 56448) \\ \hline \end{gathered}$ | $\begin{gathered} -52.2 \\ (-56.8 \text { to }-47.3) \end{gathered}$ |


| France | $\begin{gathered} 20422 \\ (17986 \text { to } 23381) \end{gathered}$ | $\begin{gathered} -57.9 \\ (-61.7 \text { to }-53.7) \end{gathered}$ | $\begin{gathered} 89046 \\ (79502 \text { to } 98 \\ 908) \\ \hline \end{gathered}$ | $\begin{gathered} -20.1 \\ (-22.1 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 294645 \\ (255187 \text { to } \\ 331694) \end{gathered}$ | $\begin{gathered} -47.6 \\ (-52.2 \text { to }-43.3) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Germany | $\begin{gathered} 34734 \\ (30134 \text { to } 39765) \end{gathered}$ | $\begin{gathered} -64.0 \\ (-68.1 \text { to }-59.1) \end{gathered}$ | $\begin{gathered} 175722 \\ (155872 \text { to } \\ 196369) \\ \hline \end{gathered}$ | $\begin{gathered} -11.3 \\ (-14.4 \text { to }-8.3) \end{gathered}$ | $\begin{gathered} 575150 \\ (496415 \text { to } \\ 650334) \\ \hline \end{gathered}$ | $\begin{gathered} -55.1 \\ (-59.4 \text { to }-50.1) \end{gathered}$ |
| Greece | $\begin{gathered} 8486 \\ (7482 \text { to } 9577) \end{gathered}$ | $\begin{gathered} -57.1 \\ (-61.5 \text { to }-52.5) \end{gathered}$ | $\begin{gathered} 22182 \\ (19742 \text { to } 24 \\ 707) \\ \hline \end{gathered}$ | $\begin{gathered} -26.7 \\ (-28.7 \text { to }-24.7) \end{gathered}$ | $\begin{gathered} 103609 \\ (92021 \text { to } \\ 115395) \\ \hline \end{gathered}$ | $\begin{gathered} -53.2 \\ (-57.3 \text { to }-49.1) \end{gathered}$ |
| Iceland | $\begin{gathered} 87 \\ (75 \text { to } 99) \end{gathered}$ | $\begin{gathered} -44.8 \\ (-51.1 \text { to }-37.5) \end{gathered}$ | $\begin{gathered} 431 \\ (384 \text { to } 481) \end{gathered}$ | $\begin{gathered} -13.0 \\ (-15.2 \text { to }-10.8) \end{gathered}$ | $\begin{gathered} 1297 \\ (1114 \text { to } 1 \\ 478) \\ \hline \end{gathered}$ | $\begin{gathered} -42.6 \\ (-48.2 \text { to }-37.1) \end{gathered}$ |
| Ireland | $\begin{gathered} 970 \\ \text { (833 to } 1 \text { 112) } \end{gathered}$ | $\begin{gathered} -65.0 \\ (-69.6 \text { to }-59.8) \end{gathered}$ | $\begin{gathered} 4927 \\ (4377 \text { to } 5 \\ 508) \\ \hline \end{gathered}$ | $\begin{gathered} -31.9 \\ (-33.9 \text { to }-29.9) \end{gathered}$ | $\begin{gathered} \hline 16037 \\ (13675 \text { to } \\ 18400) \\ \hline \end{gathered}$ | $\begin{gathered} -58.9 \\ (-63.7 \text { to }-54.0) \end{gathered}$ |
| Israel | $\begin{gathered} 1368 \\ (1151 \text { to } 1621) \end{gathered}$ | $\begin{gathered} -68.0 \\ (-73.6 \text { to }-61.6) \end{gathered}$ | $\begin{gathered} 7648 \\ (6755 \text { to } 8 \\ 551) \\ \hline \end{gathered}$ | $\begin{gathered} -31.7 \\ (-33.5 \text { to }-29.8) \end{gathered}$ | $\begin{gathered} 23460 \\ (19722 \text { to } \\ 27364) \\ \hline \end{gathered}$ | $\begin{gathered} -61.1 \\ (-66.6 \text { to }-54.8) \end{gathered}$ |
| Italy | $\begin{gathered} 27178 \\ (23257 \text { to } 31879) \end{gathered}$ | $\begin{gathered} -65.3 \\ (-69.0 \text { to }-60.7) \end{gathered}$ | $\begin{gathered} 110917 \\ (103644 \text { to } \\ 117073) \\ \hline \end{gathered}$ | $\begin{gathered} -26.2 \\ (-28.0 \text { to }-24.6) \end{gathered}$ | $\begin{gathered} 325996 \\ (281826 \text { to } \\ 368135) \\ \hline \end{gathered}$ | $\begin{gathered} -63.8 \\ (-67.3 \text { to }-59.9) \end{gathered}$ |
| Luxembourg | $\begin{gathered} 163 \\ (141 \text { to } 184) \end{gathered}$ | $\begin{gathered} -73.2 \\ (-76.5 \text { to }-69.9) \end{gathered}$ | $\begin{gathered} 723 \\ (662 \text { to } 782) \end{gathered}$ | $\begin{gathered} -35.4 \\ (-37.1 \text { to }-33.7) \end{gathered}$ | $\begin{gathered} 2531 \\ (2185 \text { to } 2 \\ 850) \\ \hline \end{gathered}$ | $\begin{gathered} -67.0 \\ (-70.6 \text { to }-63.3) \end{gathered}$ |
| Malta | $\begin{gathered} 128 \\ (108 \text { to } 150) \end{gathered}$ | $\begin{gathered} -62.3 \\ (-68.6 \text { to }-54.8) \end{gathered}$ | $\begin{gathered} 550 \\ (485 \text { to } 617) \end{gathered}$ | $\begin{gathered} -34.9 \\ (-36.6 \text { to }-33.3) \end{gathered}$ | $\begin{gathered} 2140 \\ (1821 \text { to } 2 \\ 478) \\ \hline \end{gathered}$ | $\begin{gathered} -58.1 \\ (-63.8 \text { to }-52.3) \end{gathered}$ |
| Netherlands | $\begin{gathered} 5859 \\ (5165 \text { to } 6584) \end{gathered}$ | $\begin{gathered} -42.6 \\ (-48.8 \text { to }-35.1) \end{gathered}$ | $\begin{gathered} 23881 \\ \text { (21 142 to } 26 \\ 763) \\ \hline \end{gathered}$ | $\begin{gathered} -15.0 \\ (-17.6 \text { to }-12.6) \end{gathered}$ | $\begin{gathered} 87451 \\ (76666 \text { to } \\ 98495) \\ \hline \end{gathered}$ | $\begin{gathered} -39.3 \\ (-44.4 \text { to }-33.9) \end{gathered}$ |
| Norway | $\begin{gathered} 1554 \\ (1332 \text { to } 1788) \end{gathered}$ | $\begin{gathered} -60.4 \\ (-65.7 \text { to }-54.9) \end{gathered}$ | $\begin{gathered} 8377 \\ (7467 \text { to } 9 \\ 354) \\ \hline \end{gathered}$ | $\begin{gathered} -18.1 \\ (-20.4 \text { to }-16.0) \end{gathered}$ | $\begin{gathered} 23913 \\ (20454 \text { to } \\ 27238) \\ \hline \end{gathered}$ | $\begin{gathered} -52.1 \\ (-57.2 \text { to }-47.0) \end{gathered}$ |
| Portugal | $\begin{gathered} 7360 \\ (6648 \text { to } 8147) \end{gathered}$ | $\begin{gathered} -73.7 \\ (-76.0 \text { to }-71.2) \end{gathered}$ | $\begin{gathered} 18103 \\ (16315 \text { to } 20 \\ 104) \\ \hline \end{gathered}$ | $\begin{gathered} -51.0 \\ (-52.3 \text { to }-49.8) \end{gathered}$ | $\begin{gathered} 93996 \\ (84140 \text { to } \\ 103548) \\ \hline \end{gathered}$ | $\begin{gathered} -71.8 \\ (-74.2 \text { to }-69.2) \end{gathered}$ |
| Spain | $\begin{gathered} 15086 \\ (13154 \text { to } 17 \text { 331) } \end{gathered}$ | $\begin{gathered} -72.2 \\ (-75.2 \text { to }-69.0) \end{gathered}$ | $\begin{gathered} 67713 \\ (60096 \text { to } 75 \\ 653) \\ \hline \end{gathered}$ | $\begin{gathered} -33.4 \\ (-35.2 \text { to }-31.6) \end{gathered}$ | $\begin{gathered} 193480 \\ (167212 \text { to } \\ 218806) \\ \hline \end{gathered}$ | $\begin{gathered} -66.8 \\ (-70.3 \text { to }-63.6) \end{gathered}$ |
| Sweden | $\begin{gathered} 4524 \\ (3900 \text { to } 5240) \end{gathered}$ | $\begin{gathered} -41.5 \\ (-48.9 \text { to }-33.6) \end{gathered}$ | $\begin{gathered} 17353 \\ (15347 \text { to } 19 \\ 407) \\ \hline \end{gathered}$ | $\begin{gathered} -11.0 \\ (-13.1 \text { to }-9.0) \end{gathered}$ | $\begin{gathered} 60304 \\ (52145 \text { to } \\ 68516) \\ \hline \end{gathered}$ | $\begin{gathered} -40.7 \\ (-46.2 \text { to }-35.0) \end{gathered}$ |
| Switzerland | $\begin{gathered} 2486 \\ (1934 \text { to } 3179) \end{gathered}$ | $\begin{gathered} -62.1 \\ (-70.1 \text { to }-53.0) \end{gathered}$ | $\begin{gathered} 13241 \\ \text { (11 } 766 \text { to } 14 \\ 682) \\ \hline \end{gathered}$ | $\begin{gathered} -11.2 \\ (-14.3 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 37406 \\ (30450 \text { to } \\ 44691) \\ \hline \end{gathered}$ | $\begin{gathered} -51.6 \\ (-58.7 \text { to }-44.3) \end{gathered}$ |


| United Kingdom | $\begin{gathered} 25342 \\ (23509 \text { to } 27 \text { 178) } \end{gathered}$ | $\begin{gathered} -57.1 \\ (-58.7 \text { to }-55.5) \end{gathered}$ | $\begin{gathered} 88538 \\ (79371 \text { to } 98 \\ 324) \end{gathered}$ | $\begin{gathered} -28.4 \\ (-29.7 \text { to }-27.2) \end{gathered}$ | $\begin{gathered} 347475 \\ (309704 \text { to } \\ 382348) \\ \hline \end{gathered}$ | $\begin{gathered} -53.6 \\ (-56.4 \text { to }-51.2) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Southern Latin America | $\begin{gathered} 19157 \\ \text { (17 } 332 \text { to } 20768 \text { ) } \end{gathered}$ | $\begin{gathered} -61.9 \\ (-65.1 \text { to }-58.3) \end{gathered}$ | $\begin{gathered} 66113 \\ \text { (59 } 452 \text { to } 73 \\ 265 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -38.0 \\ (-39.4 \text { to }-36.6) \end{gathered}$ | $\begin{gathered} 314511 \\ (281805 \text { to } \\ 345187) \\ \hline \end{gathered}$ | $\begin{gathered} -63.7 \\ (-66.8 \text { to }-60.6) \end{gathered}$ |
| Argentina | $\begin{gathered} 11456 \\ (10337 \text { to } 12476) \end{gathered}$ | $\begin{gathered} -64.1 \\ (-67.5 \text { to }-60.6) \end{gathered}$ | $\begin{gathered} 41210 \\ (37027 \text { to } 45 \\ 843) \\ \hline \end{gathered}$ | $\begin{gathered} -40.1 \\ (-41.7 \text { to }-38.5) \end{gathered}$ | $\begin{gathered} 195478 \\ (175735 \text { to } \\ 216332) \\ \hline \end{gathered}$ | $\begin{gathered} -65.5 \\ (-68.6 \text { to }-62.4) \end{gathered}$ |
| Chile | $\begin{gathered} 5481 \\ (4433 \text { to } 6700) \end{gathered}$ | $\begin{gathered} -59.8 \\ (-68.0 \text { to }-50.6) \end{gathered}$ | $\begin{gathered} \hline 19687 \\ (17471 \text { to } 22 \\ 052) \\ \hline \end{gathered}$ | $\begin{gathered} -33.7 \\ (-35.5 \text { to }-32.1) \end{gathered}$ | $\begin{gathered} 88525 \\ (73811 \text { to } \\ 105263) \\ \hline \end{gathered}$ | $\begin{gathered} -62.0 \\ (-68.3 \text { to }-54.9) \end{gathered}$ |
| Uruguay | $\begin{gathered} 2220 \\ (2033 \text { to } 2425) \end{gathered}$ | $\begin{gathered} -51.3 \\ (-55.2 \text { to }-46.9) \end{gathered}$ | $\begin{gathered} 5211 \\ (4658 \text { to } 5 \\ 784) \\ \hline \end{gathered}$ | $\begin{gathered} -32.8 \\ (-34.4 \text { to }-31.3) \end{gathered}$ | $\begin{gathered} 30502 \\ (27822 \text { to } \\ 33045) \\ \hline \end{gathered}$ | $\begin{gathered} -52.4 \\ (-55.8 \text { to }-48.5) \end{gathered}$ |
| Eastern Europe | $\begin{gathered} 342169 \\ (281418 \text { to } 415 \\ 791) \end{gathered}$ | $\begin{gathered} -30.0 \\ (-42.2 \text { to }-14.8) \end{gathered}$ | $\begin{aligned} & 773145 \\ & (678501 \text { to } \\ & 865274) \end{aligned}$ | $\begin{gathered} -15.2 \\ (-17.5 \text { to }-13.1) \end{gathered}$ | $\begin{gathered} \hline 5695149 \\ (4784886 \\ \text { to } 6821 \\ 695) \\ \hline \end{gathered}$ | $\begin{gathered} -27.4 \\ (-39.0 \text { to }-13.9) \end{gathered}$ |
| Belarus | $\begin{gathered} 10349 \\ (8751 \text { to } 11971) \end{gathered}$ | $\begin{gathered} -24.9 \\ (-36.3 \text { to }-13.0) \end{gathered}$ | $\begin{gathered} 30112 \\ (26751 \text { to } 33 \\ 673) \\ \hline \end{gathered}$ | $\begin{gathered} -13.0 \\ (-15.3 \text { to }-10.7) \end{gathered}$ | $\begin{gathered} 188243 \\ (161934 \text { to } \\ 213457) \\ \hline \end{gathered}$ | $\begin{gathered} -24.7 \\ (-35.2 \text { to }-14.6) \end{gathered}$ |
| Estonia | $\begin{gathered} 928 \\ \text { (756 to } 1 \text { 144) } \end{gathered}$ | $\begin{gathered} -75.8 \\ (-80.1 \text { to }-69.7) \end{gathered}$ | $\begin{gathered} 3745 \\ (3303 \text { to } 4 \\ 212) \\ \hline \end{gathered}$ | $\begin{gathered} -38.1 \\ (-39.9 \text { to }-36.4) \end{gathered}$ | $\begin{gathered} 17403 \\ (14509 \text { to } \\ 20627) \\ \hline \end{gathered}$ | $\begin{gathered} -68.9 \\ (-73.3 \text { to }-63.3) \end{gathered}$ |
| Latvia | $\begin{gathered} 3626 \\ (3171 \text { to } 4093) \end{gathered}$ | $\begin{gathered} -39.9 \\ (-47.3 \text { to }-31.1) \end{gathered}$ | $\begin{gathered} 10108 \\ (8794 \text { to } 11 \\ 387) \\ \hline \end{gathered}$ | $\begin{gathered} -11.6 \\ (-14.7 \text { to }-8.9) \end{gathered}$ | $\begin{gathered} 56188 \\ (49639 \text { to } \\ 63164) \\ \hline \end{gathered}$ | $\begin{gathered} -36.6 \\ (-43.5 \text { to }-28.2) \end{gathered}$ |
| Lithuania | $\begin{gathered} 3519 \\ (3174 \text { to } 3872 \text { ) } \end{gathered}$ | $\begin{gathered} -17.2 \\ (-25.1 \text { to }-8.4) \end{gathered}$ | $\begin{gathered} 12538 \\ (11248 \text { to } 13 \\ 768) \\ \hline \end{gathered}$ | $\begin{gathered} -1.1 \\ (-3.3 \text { to } 1.1) \end{gathered}$ | $\begin{gathered} 57979 \\ (51961 \text { to } \\ 63873) \\ \hline \end{gathered}$ | $\begin{gathered} -21.1 \\ (-27.8 \text { to }-13.8) \end{gathered}$ |
| Moldova | $\begin{gathered} 3275 \\ (2898 \text { to } 3666) \end{gathered}$ | $\begin{gathered} -32.2 \\ (-40.8 \text { to }-22.2) \end{gathered}$ | $\begin{gathered} 9707 \\ (8642 \text { to } 10 \\ 708) \\ \hline \end{gathered}$ | $\begin{gathered} -13.0 \\ (-15.0 \text { to }-11.1) \end{gathered}$ | $\begin{gathered} 66066 \\ (58926 \text { to } \\ 73483) \\ \hline \end{gathered}$ | $\begin{gathered} -24.9 \\ (-33.1 \text { to }-15.4) \end{gathered}$ |
| Russia | $\begin{gathered} 258005 \\ (199821 \text { to } 330 \\ 603) \end{gathered}$ | $\begin{gathered} -28.1 \\ (-44.6 \text { to }-7.1) \end{gathered}$ | $\begin{gathered} 543078 \\ (475191 \text { to } \\ 611918) \end{gathered}$ | $\begin{gathered} -14.8 \\ (-17.5 \text { to }-12.4) \end{gathered}$ | $\begin{gathered} \hline 4228949 \\ \text { (3 } 338120 \\ \text { to } 5297 \\ 810) \\ \hline \end{gathered}$ | $\begin{gathered} -26.1 \\ (-41.7 \text { to }-7.0) \end{gathered}$ |
| Ukraine | $\begin{gathered} 62468 \\ (50732 \text { to } 76775) \end{gathered}$ | $\begin{gathered} -38.6 \\ (-50.1 \text { to }-24.5) \end{gathered}$ | $\begin{gathered} 163857 \\ (144204 \text { to } \\ 183357) \\ \hline \end{gathered}$ | $\begin{gathered} -18.5 \\ (-21.0 \text { to }-16.0) \end{gathered}$ | $\begin{gathered} \hline 1080320 \\ (901746 \text { to } \\ 1294684) \\ \hline \end{gathered}$ | $\begin{gathered} -32.6 \\ (-43.5 \text { to }-18.9) \end{gathered}$ |
| Central Europe | $\begin{gathered} 108844 \\ (101306 \text { to } 118 \\ 239) \end{gathered}$ | $\begin{gathered} -43.0 \\ (-46.0 \text { to }-39.7) \end{gathered}$ | $\begin{aligned} & 370504 \\ & \text { (335 } 727 \text { to } \\ & 403092 \text { ) } \end{aligned}$ | $\begin{gathered} -10.4 \\ (-12.1 \text { to }-8.6) \end{gathered}$ | $\begin{gathered} 1760878 \\ (1609966 \\ \text { to } 1909 \\ 459) \\ \hline \end{gathered}$ | $\begin{gathered} -40.9 \\ (-43.9 \text { to }-37.7) \end{gathered}$ |


| Albania | $\begin{gathered} 731 \\ (626 \text { to } 834) \end{gathered}$ | $\begin{gathered} -19.4 \\ (-31.2 \text { to }-5.5) \end{gathered}$ | $\begin{gathered} 5040 \\ (4466 \text { to } 5 \\ 642) \\ \hline \end{gathered}$ | $\begin{gathered} 14.8 \\ (12.0 \text { to } 17.3) \end{gathered}$ | $\begin{gathered} 15582 \\ (13332 \text { to } \\ 17948) \\ \hline \end{gathered}$ | $\begin{gathered} -10.2 \\ (-19.8 \text { to } 0.6) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Bosnia and Herzegovina | $\begin{gathered} 5040 \\ (4373 \text { to } 5818) \end{gathered}$ | $\begin{gathered} -12.9 \\ (-27.0 \text { to } 3.0) \end{gathered}$ | $\begin{gathered} 13837 \\ (12195 \text { to } 15 \\ 343) \\ \hline \end{gathered}$ | $\begin{gathered} 11.9 \\ (9.2 \text { to } 14.7) \end{gathered}$ | $\begin{gathered} 84435 \\ (74433 \text { to } \\ 96153) \\ \hline \end{gathered}$ | $\begin{gathered} -5.6 \\ (-19.1 \text { to } 9.5) \end{gathered}$ |
| Bulgaria | $\begin{gathered} 12220 \\ (10725 \text { to } 13951) \end{gathered}$ | $\begin{gathered} -20.4 \\ (-30.8 \text { to }-8.5) \end{gathered}$ | $\begin{gathered} 29108 \\ (25784 \text { to } 32 \\ 543) \\ \hline \end{gathered}$ | $\begin{gathered} -5.4 \\ (-8.2 \text { to }-2.7) \end{gathered}$ | $\begin{gathered} 189600 \\ (166092 \text { to } \\ 213764) \\ \hline \end{gathered}$ | $\begin{gathered} -20.3 \\ (-29.7 \text { to }-10.1) \end{gathered}$ |
| Croatia | $\begin{gathered} 4424 \\ (3851 \text { to } 5037) \end{gathered}$ | $\begin{gathered} -39.1 \\ (-47.3 \text { to }-30.0) \end{gathered}$ | $\begin{gathered} \hline 16638 \\ (15367 \text { to } 17 \\ 697) \\ \hline \end{gathered}$ | $\begin{gathered} 0.5 \\ (-2.6 \text { to } 3.3) \end{gathered}$ | $\begin{gathered} 67867 \\ (59953 \text { to } \\ 76415) \\ \hline \end{gathered}$ | $\begin{gathered} -39.2 \\ (-46.2 \text { to }-31.7) \end{gathered}$ |
| Czech Republic | $\begin{gathered} 7011 \\ (6398 \text { to } 7658 \text { ) } \end{gathered}$ | $\begin{gathered} -69.7 \\ (-72.3 \text { to }-66.6) \end{gathered}$ | $\begin{gathered} 31094 \\ (27572 \text { to } 34 \\ 882) \\ \hline \end{gathered}$ | $\begin{gathered} -28.6 \\ (-31.0 \text { to }-26.6) \end{gathered}$ | $\begin{gathered} 112283 \\ (99229 \text { to } \\ 125964) \\ \hline \end{gathered}$ | $\begin{gathered} -66.0 \\ (-69.2 \text { to }-62.5) \end{gathered}$ |
| Hungary | $\begin{gathered} 9606 \\ (8475 \text { to } 10723) \end{gathered}$ | $\begin{gathered} -52.3 \\ (-57.8 \text { to }-46.5) \end{gathered}$ | $\begin{gathered} 32663 \\ (29019 \text { to } 36 \\ 399) \\ \hline \end{gathered}$ | $\begin{gathered} -24.8 \\ (-26.8 \text { to }-23.0) \end{gathered}$ | $\begin{gathered} 162489 \\ (144106 \text { to } \\ 180514) \\ \hline \end{gathered}$ | $\begin{gathered} -50.0 \\ (-55.2 \text { to }-44.9) \end{gathered}$ |
| Macedonia | $\begin{gathered} 2574 \\ (2247 \text { to } 3188) \end{gathered}$ | $\begin{gathered} -21.1 \\ (-29.0 \text { to }-12.6) \end{gathered}$ | $\begin{gathered} 6020 \\ (5273 \text { to } 6 \\ 728) \\ \hline \end{gathered}$ | $\begin{gathered} -13.5 \\ (-15.7 \text { to }-11.3) \end{gathered}$ | $\begin{gathered} 42298 \\ (37778 \text { to } \\ 49239) \\ \hline \end{gathered}$ | $\begin{gathered} -23.9 \\ (-30.5 \text { to }-16.8) \end{gathered}$ |
| Montenegro | $\begin{gathered} 232 \\ (199 \text { to } 264) \end{gathered}$ | $\begin{gathered} 7.2 \\ (-11.2 \text { to } 28.2) \end{gathered}$ | $\begin{gathered} 1375 \\ (1210 \text { to } 1 \\ 550) \\ \hline \end{gathered}$ | $\begin{gathered} 15.1 \\ \text { (12.4 to } 17.6 \text { ) } \end{gathered}$ | $\begin{gathered} 4388 \\ (3752 \text { to } 5 \\ 010) \\ \hline \end{gathered}$ | $\begin{gathered} 3.6 \\ (-8.6 \text { to } 16.2) \end{gathered}$ |
| Poland | $\begin{gathered} 23872 \\ (21201 \text { to } 26806 \text { ) } \end{gathered}$ | $\begin{gathered} -50.1 \\ (-55.5 \text { to }-44.0) \end{gathered}$ | $\begin{gathered} 102009 \\ (91292 \text { to } \\ 110477) \\ \hline \end{gathered}$ | $\begin{gathered} -2.1 \\ (-5.3 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 403913 \\ (354873 \text { to } \\ 448851) \\ \hline \end{gathered}$ | $\begin{gathered} -46.6 \\ (-51.7 \text { to }-41.2) \end{gathered}$ |
| Romania | $\begin{gathered} 26801 \\ (24184 \text { to } 29755) \end{gathered}$ | $\begin{gathered} -32.1 \\ (-39.0 \text { to }-24.4) \end{gathered}$ | $\begin{gathered} 79643 \\ (70183 \text { to } 89 \\ 413) \\ \hline \end{gathered}$ | $\begin{gathered} -7.9 \\ (-11.1 \text { to }-4.8) \end{gathered}$ | $\begin{gathered} 409143 \\ (366655 \text { to } \\ 453970) \\ \hline \end{gathered}$ | $\begin{gathered} -32.5 \\ (-38.5 \text { to }-25.9) \end{gathered}$ |
| Serbia | $\begin{gathered} 11865 \\ (10300 \text { to } 14724) \end{gathered}$ | $\begin{gathered} -25.0 \\ (-34.2 \text { to }-14.4) \end{gathered}$ | $\begin{gathered} 31889 \\ (29971 \text { to } 33 \\ 563) \\ \hline \end{gathered}$ | $\begin{gathered} -8.6 \\ (-11.3 \text { to }-6.3) \end{gathered}$ | 189537 $(167871$ to $221840)$ | $\begin{gathered} -25.4 \\ (-32.9 \text { to }-16.3) \end{gathered}$ |
| Slovakia | $\begin{gathered} 3378 \\ (2972 \text { to } 3793 \text { ) } \end{gathered}$ | $\begin{gathered} -43.3 \\ (-51.1 \text { to }-34.8) \end{gathered}$ | $\begin{gathered} 16484 \\ (14589 \text { to } 18 \\ 488) \\ \hline \end{gathered}$ | $\begin{gathered} 0.3 \\ (-3.1 \text { to } 3.3) \end{gathered}$ | $\begin{gathered} 62069 \\ (54501 \text { to } \\ 69635) \\ \hline \end{gathered}$ | $\begin{gathered} -40.0 \\ (-47.0 \text { to }-32.8) \end{gathered}$ |
| Slovenia | $\begin{gathered} 1091 \\ \text { (918 to } 1295 \text { ) } \end{gathered}$ | $\begin{gathered} -72.6 \\ (-76.6 \text { to }-68.3) \end{gathered}$ | $\begin{gathered} 4704 \\ (4317 \text { to } 5 \\ 069) \\ \hline \end{gathered}$ | $\begin{gathered} -36.4 \\ (-37.9 \text { to }-35.0) \end{gathered}$ | $\begin{gathered} 17274 \\ (14746 \text { to } \\ 19836) \\ \hline \end{gathered}$ | $\begin{gathered} -67.8 \\ (-72.3 \text { to }-63.5) \end{gathered}$ |
| Central Asia | $\begin{gathered} 30311 \\ (28085 \text { to } 32853 \text { ) } \end{gathered}$ | $\begin{gathered} -31.2 \\ (-35.9 \text { to }-25.5) \end{gathered}$ | $\begin{gathered} 89097 \\ (79841 \text { to } 98 \\ 278) \\ \hline \end{gathered}$ | $\begin{gathered} -12.1 \\ (-13.6 \text { to }-10.6) \end{gathered}$ | $\begin{gathered} 633970 \\ (576727 \text { to } \\ 690893) \\ \hline \end{gathered}$ | $\begin{gathered} -27.7 \\ (-32.3 \text { to }-22.4) \end{gathered}$ |
| Armenia | $\begin{gathered} 1433 \\ (1273 \text { to } 1606) \end{gathered}$ | $\begin{gathered} -49.2 \\ (-55.5 \text { to }-42.5) \end{gathered}$ | $\begin{gathered} 4713 \\ (4159 \text { to } 5 \\ 247) \\ \hline \end{gathered}$ | $\begin{gathered} -20.2 \\ (-22.3 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 26383 \\ (23319 \text { to } \\ 29315) \\ \hline \end{gathered}$ | $\begin{gathered} -43.8 \\ (-49.9 \text { to }-38.0) \end{gathered}$ |


| Azerbaijan | $\begin{gathered} 2397 \\ (1966 \text { to } 2849) \end{gathered}$ | $\begin{gathered} -18.9 \\ (-33.1 \text { to }-2.0) \end{gathered}$ | $\begin{gathered} 10270 \\ (8998 \text { to } 11 \\ 591) \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \\ \text { (6.2 to } 11.4) \end{gathered}$ | $\begin{gathered} 53918 \\ (45818 \text { to } \\ 63455) \\ \hline \end{gathered}$ | $\begin{gathered} -15.6 \\ (-28.8 \text { to }-1.5) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Georgia | $\begin{gathered} 3596 \\ (3107 \text { to } 4 \text { 139) } \end{gathered}$ | $\begin{gathered} -26.6 \\ (-38.5 \text { to }-13.3) \end{gathered}$ | $\begin{gathered} 9095 \\ (8351 \text { to } 9 \\ 647) \\ \hline \end{gathered}$ | $\begin{gathered} -1.5 \\ (-4.4 \text { to } 1.2) \end{gathered}$ | $\begin{aligned} & 58989 \\ & (51191 \text { to } \\ & 67220) \\ & \hline \end{aligned}$ | $\begin{gathered} -25.6 \\ (-36.8 \text { to }-13.7) \end{gathered}$ |
| Kazakhstan | $\begin{gathered} 10420 \\ (8946 \text { to } 12287) \end{gathered}$ | $\begin{gathered} -23.8 \\ (-35.0 \text { to }-9.8) \end{gathered}$ | $\begin{gathered} \hline 24807 \\ (22087 \text { to } 27 \\ 627) \\ \hline \end{gathered}$ | $\begin{gathered} -12.6 \\ (-15.1 \text { to }-10.5) \end{gathered}$ | $\begin{gathered} 213439 \\ (183900 \text { to } \\ 247946) \\ \hline \end{gathered}$ | $\begin{gathered} -21.0 \\ (-31.3 \text { to }-7.7) \end{gathered}$ |
| Kyrgyzstan | $\begin{gathered} 2270 \\ (2062 \text { to } 2496) \end{gathered}$ | $\begin{gathered} -36.6 \\ (-43.6 \text { to }-29.3) \end{gathered}$ | $\begin{gathered} 5240 \\ (4663 \text { to } 5 \\ 814) \\ \hline \end{gathered}$ | $\begin{gathered} -21.9 \\ (-24.0 \text { to }-20.1) \end{gathered}$ | $\begin{gathered} \hline 47974 \\ (43469 \text { to } \\ 52634) \\ \hline \end{gathered}$ | $\begin{gathered} -28.9 \\ (-36.3 \text { to }-21.3) \end{gathered}$ |
| Mongolia | $\begin{gathered} 312 \\ (272 \text { to } 355 \text { ) } \end{gathered}$ | $\begin{gathered} 6.8 \\ (-10.4 \text { to } 27.0) \end{gathered}$ | $\begin{gathered} 1999 \\ (1764 \text { to } 2 \\ 244) \\ \hline \end{gathered}$ | $\begin{gathered} 20.1 \\ (17.6 \text { to } 22.5 \text { ) } \end{gathered}$ | $\begin{gathered} 9239 \\ (8037 \text { to } 10 \\ 597) \\ \hline \end{gathered}$ | $\begin{gathered} 12.1 \\ (-3.1 \text { to } 28.9) \end{gathered}$ |
| Tajikistan | $\begin{gathered} 2160 \\ (1872 \text { to } 2515) \end{gathered}$ | $\begin{gathered} -1.4 \\ (-14.5 \text { to } 16.1) \end{gathered}$ | $\begin{gathered} 5471 \\ (4865 \text { to } 6 \\ 105) \\ \hline \end{gathered}$ | $\begin{gathered} -5.6 \\ (-7.7 \text { to }-3.4) \end{gathered}$ | $\begin{gathered} 42379 \\ (36834 \text { to } \\ 49177) \\ \hline \end{gathered}$ | $\begin{gathered} -4.0 \\ (-16.4 \text { to } 11.4) \end{gathered}$ |
| Turkmenistan | $\begin{gathered} 276 \\ (246 \text { to } 309) \end{gathered}$ | $\begin{gathered} -27.1 \\ (-36.2 \text { to }-17.5) \end{gathered}$ | $\begin{gathered} 2970 \\ (2586 \text { to } 3 \\ 372) \\ \hline \end{gathered}$ | $\begin{gathered} 17.5 \\ \text { (15.3 to } 19.9 \text { ) } \end{gathered}$ | $\begin{gathered} 7690 \\ (6461 \text { to } 8 \\ 894) \\ \hline \end{gathered}$ | $\begin{gathered} -16.4 \\ (-23.8 \text { to }-8.0) \end{gathered}$ |
| Uzbekistan | $\begin{gathered} 7447 \\ (6466 \text { to } 8651) \end{gathered}$ | $\begin{gathered} -34.7 \\ (-43.3 \text { to }-25.9) \end{gathered}$ | $\begin{gathered} 24533 \\ (21708 \text { to } 27 \\ 433) \\ \hline \end{gathered}$ | $\begin{gathered} -15.9 \\ (-17.9 \text { to }-13.8) \end{gathered}$ | $\begin{gathered} 173960 \\ (151944 \text { to } \\ 201102) \\ \hline \end{gathered}$ | $\begin{gathered} -32.6 \\ (-40.3 \text { to }-24.3) \end{gathered}$ |
| Central Latin America | $\begin{gathered} 24243 \\ \text { (22 } 222 \text { to } 26 \text { 076) } \end{gathered}$ | $\begin{gathered} -52.5 \\ (-55.1 \text { to }-49.9) \end{gathered}$ | $\begin{gathered} 140439 \\ (124060 \text { to } \\ 157744) \\ \hline \end{gathered}$ | $\begin{gathered} -11.4 \\ (-13.0 \text { to }-10.0) \end{gathered}$ | $\begin{gathered} 454046 \\ (416443 \text { to } \\ 491 \text { 199) } \\ \hline \end{gathered}$ | $\begin{gathered} -49.8 \\ (-52.6 \text { to }-46.9) \end{gathered}$ |
| Colombia | $\begin{gathered} 4280 \\ (3700 \text { to } 4824) \end{gathered}$ | $\begin{gathered} -61.4 \\ (-66.5 \text { to }-56.4) \end{gathered}$ | $\begin{gathered} 28029 \\ (24675 \text { to } 31 \\ 831) \\ \hline \end{gathered}$ | $\begin{gathered} -20.1 \\ (-22.2 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 78795 \\ (69054 \text { to } \\ 88305) \\ \hline \end{gathered}$ | $\begin{gathered} -60.8 \\ (-65.3 \text { to }-56.2) \end{gathered}$ |
| Costa Rica | $\begin{gathered} 434 \\ (379 \text { to 503) } \end{gathered}$ | $\begin{gathered} -64.5 \\ (-68.4 \text { to }-59.9) \end{gathered}$ | $\begin{gathered} 3267 \\ (2865 \text { to } 3 \\ 702) \end{gathered}$ | $\begin{gathered} -15.1 \\ (-17.4 \text { to }-12.9) \end{gathered}$ | $\begin{gathered} 7939 \\ (6955 \text { to } 8 \\ 972) \\ \hline \end{gathered}$ | $\begin{gathered} -58.7 \\ (-62.6 \text { to }-54.3) \end{gathered}$ |
| El Salvador | $\begin{gathered} 574 \\ (495 \text { to } 657) \end{gathered}$ | $\begin{gathered} -73.6 \\ (-77.2 \text { to }-69.9) \end{gathered}$ | $\begin{gathered} 3513 \\ (3087 \text { to } 3 \\ 960) \\ \hline \end{gathered}$ | $\begin{gathered} -22.9 \\ (-25.0 \text { to }-21.0) \end{gathered}$ | $\begin{gathered} 10829 \\ (9437 \text { to } 12 \\ 198) \\ \hline \end{gathered}$ | $\begin{gathered} -71.8 \\ (-75.4 \text { to }-68.2) \end{gathered}$ |
| Guatemala | $\begin{gathered} 1447 \\ (1159 \text { to } 1772) \end{gathered}$ | $\begin{gathered} -33.0 \\ (-47.3 \text { to }-16.7) \end{gathered}$ | $\begin{gathered} 6659 \\ (5830 \text { to } 7 \\ 471) \\ \hline \end{gathered}$ | $\begin{gathered} -3.6 \\ (-6.1 \text { to }-1.3) \end{gathered}$ | $\begin{gathered} 27778 \\ (22730 \text { to } \\ 33543) \\ \hline \end{gathered}$ | $\begin{gathered} -35.6 \\ (-48.0 \text { to }-21.5) \end{gathered}$ |
| Honduras | $\begin{gathered} 1354 \\ (1048 \text { to } 1708) \end{gathered}$ | $\begin{gathered} -35.6 \\ (-50.0 \text { to }-16.4) \end{gathered}$ | $\begin{gathered} 4280 \\ (3801 \text { to } 4 \\ 816) \\ \hline \end{gathered}$ | $\begin{gathered} -4.0 \\ (-6.3 \text { to }-1.7) \end{gathered}$ | $\begin{gathered} 25818 \\ (20298 \text { to } \\ 32952) \\ \hline \end{gathered}$ | $\begin{gathered} -37.3 \\ (-51.1 \text { to }-18.4) \end{gathered}$ |
| Mexico | $\begin{gathered} 11374 \\ (10389 \text { to } 12 \text { 239) } \end{gathered}$ | $\begin{gathered} -46.3 \\ (-49.1 \text { to }-43.6) \end{gathered}$ | $\begin{gathered} 70957 \\ (62726 \text { to } 79 \\ 602) \\ \hline \end{gathered}$ | $\begin{gathered} -4.8 \\ (-6.4 \text { to }-3.3) \end{gathered}$ | $\begin{gathered} 217213 \\ (198579 \text { to } \\ 234652) \\ \hline \end{gathered}$ | $\begin{gathered} -40.6 \\ (-43.3 \text { to }-37.6) \end{gathered}$ |


| Nicaragua | $\begin{gathered} 541 \\ (458 \text { to } 639) \end{gathered}$ | $\begin{gathered} -52.1 \\ (-59.8 \text { to }-43.6) \end{gathered}$ | $\begin{gathered} 3096 \\ (2730 \text { to } 3 \\ 479) \\ \hline \end{gathered}$ | $\begin{gathered} -12.0 \\ (-14.2 \text { to }-9.8) \end{gathered}$ | $\begin{gathered} 9764 \\ (8356 \text { to } 11 \\ 230) \\ \hline \end{gathered}$ | $\begin{gathered} -49.6 \\ (-56.6 \text { to }-42.2) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Panama | $\begin{gathered} 653 \\ (572 \text { to } 740) \end{gathered}$ | $\begin{gathered} -59.0 \\ (-64.6 \text { to }-52.5) \end{gathered}$ | $\begin{gathered} 2637 \\ (2342 \text { to } 2 \\ 948) \\ \hline \end{gathered}$ | $\begin{gathered} -25.8 \\ (-27.7 \text { to }-23.9) \end{gathered}$ | $\begin{gathered} 10197 \\ (8989 \text { to } 11 \\ 520) \\ \hline \end{gathered}$ | $\begin{gathered} -57.7 \\ (-63.2 \text { to }-51.5) \end{gathered}$ |
| Venezuela | $\begin{gathered} 3586 \\ (3046 \text { to } 4212) \end{gathered}$ | $\begin{gathered} -57.4 \\ (-63.8 \text { to }-49.3) \end{gathered}$ | $\begin{gathered} 18000 \\ (15897 \text { to } 20 \\ 300) \\ \hline \end{gathered}$ | $\begin{gathered} -20.5 \\ (-22.6 \text { to }-18.4) \end{gathered}$ | $\begin{gathered} 65713 \\ (56355 \text { to } \\ 76354) \\ \hline \end{gathered}$ | $\begin{gathered} -57.2 \\ (-63.3 \text { to }-50.0) \end{gathered}$ |
| Andean Latin America | $\begin{gathered} 6582 \\ (5878 \text { to } 7 \text { 381) } \end{gathered}$ | $\begin{gathered} -60.6 \\ (-65.2 \text { to }-55.8) \end{gathered}$ | $\begin{gathered} 34603 \\ (30687 \text { to } 38 \\ 740) \\ \hline \end{gathered}$ | $\begin{gathered} -19.6 \\ (-21.3 \text { to }-18.0) \end{gathered}$ | $\begin{gathered} 124819 \\ (110930 \text { to } \\ 139469) \\ \hline \end{gathered}$ | $\begin{gathered} -59.5 \\ (-63.8 \text { to }-54.7) \end{gathered}$ |
| Bolivia | $\begin{gathered} 1935 \\ (1544 \text { to } 2392) \end{gathered}$ | $\begin{gathered} -52.4 \\ (-61.7 \text { to }-41.0) \end{gathered}$ | $\begin{gathered} 7049 \\ (6225 \text { to } 7 \\ 916) \\ \hline \end{gathered}$ | $\begin{gathered} -15.6 \\ (-17.7 \text { to }-13.6) \end{gathered}$ | $\begin{gathered} 34764 \\ (27918 \text { to } \\ 42885) \\ \hline \end{gathered}$ | $\begin{gathered} -53.3 \\ (-62.1 \text { to }-42.8) \end{gathered}$ |
| Ecuador | $\begin{gathered} 1856 \\ (1664 \text { to } 2062) \end{gathered}$ | $\begin{gathered} -57.5 \\ (-61.9 \text { to }-52.4) \end{gathered}$ | $\begin{gathered} 9134 \\ (8061 \text { to } 10 \\ 185) \\ \hline \end{gathered}$ | $\begin{gathered} -22.2 \\ (-24.3 \text { to }-20.1) \end{gathered}$ | $\begin{gathered} 35627 \\ (31925 \text { to } \\ 39304) \\ \hline \end{gathered}$ | $\begin{gathered} -58.6 \\ (-62.7 \text { to }-54.6) \end{gathered}$ |
| Peru | $\begin{gathered} 2790 \\ (2318 \text { to } 3347) \end{gathered}$ | $\begin{gathered} -66.5 \\ (-73.1 \text { to }-58.7) \end{gathered}$ | $\begin{gathered} 18420 \\ (16341 \text { to } 20 \\ 776) \\ \hline \end{gathered}$ | $\begin{gathered} -19.8 \\ (-22.0 \text { to }-17.9) \end{gathered}$ | $\begin{gathered} 54429 \\ (45708 \text { to } \\ 64017) \\ \hline \end{gathered}$ | $\begin{gathered} -62.9 \\ (-69.2 \text { to }-55.4) \end{gathered}$ |
| Caribbean | $\begin{gathered} 16393 \\ \text { (15 } 129 \text { to } 17 \text { 636) } \end{gathered}$ | $\begin{gathered} -34.6 \\ (-39.1 \text { to }-29.8) \end{gathered}$ | $\begin{gathered} \hline 42716 \\ \text { (38 } 061 \text { to } 47 \\ 358) \\ \hline \end{gathered}$ | $\begin{gathered} -15.2 \\ (-16.7 \text { to }-13.8) \end{gathered}$ | $\begin{gathered} 273637 \\ (250807 \text { to } \\ 297540) \\ \hline \end{gathered}$ | $\begin{gathered} -38.7 \\ (-43.4 \text { to }-33.8) \end{gathered}$ |
| Antigua and Barbuda | $\begin{gathered} 19 \\ (16 \text { to } 21) \end{gathered}$ | $\begin{gathered} -61.7 \\ (-66.9 \text { to }-55.4) \end{gathered}$ | $\begin{gathered} 71 \\ (63 \text { to } 80) \end{gathered}$ | $\begin{gathered} -28.0 \\ (-29.7 \text { to }-26.3) \end{gathered}$ | $\begin{gathered} 345 \\ (302 \text { to } 386) \end{gathered}$ | $\begin{gathered} -59.3 \\ (-64.4 \text { to }-53.4) \end{gathered}$ |
| The Bahamas | $\begin{gathered} 106 \\ \text { (90 to } 122 \text { ) } \end{gathered}$ | $\begin{gathered} -40.2 \\ (-48.3 \text { to }-31.6) \end{gathered}$ | $\begin{gathered} 339 \\ (300 \text { to } 380) \end{gathered}$ | $\begin{gathered} -18.1 \\ (-20.1 \text { to }-16.2) \end{gathered}$ | $\begin{gathered} 1943 \\ (1689 \text { to } 2 \\ 180) \\ \hline \end{gathered}$ | $\begin{gathered} -41.6 \\ (-47.9 \text { to }-34.0) \end{gathered}$ |
| Barbados | $\begin{gathered} 132 \\ (118 \text { to } 147) \end{gathered}$ | $\begin{gathered} -55.5 \\ (-60.5 \text { to }-50.1) \end{gathered}$ | $\begin{gathered} 370 \\ (328 \text { to } 413) \end{gathered}$ | $\begin{gathered} -26.2 \\ (-28.0 \text { to }-24.2) \end{gathered}$ | $\begin{gathered} 1976 \\ (1774 \text { to } 2 \\ 187) \\ \hline \end{gathered}$ | $\begin{gathered} -52.8 \\ (-57.8 \text { to }-47.5) \end{gathered}$ |
| Belize | $\begin{gathered} 50 \\ (43 \text { to } 57) \end{gathered}$ | $\begin{gathered} -19.1 \\ (-30.9 \text { to }-6.0) \end{gathered}$ | $\begin{gathered} 168 \\ (148 \text { to } 189) \end{gathered}$ | $\begin{gathered} -6.8 \\ (-8.7 \text { to }-4.7) \end{gathered}$ | $\begin{gathered} 969 \\ (843 \text { to } 1 \\ 104) \\ \hline \end{gathered}$ | $\begin{gathered} -22.8 \\ (-34.1 \text { to }-11.2) \end{gathered}$ |
| Bermuda | $\begin{gathered} 15 \\ (13 \text { to } 18) \end{gathered}$ | $\begin{gathered} -66.4 \\ (-71.4 \text { to }-60.7) \end{gathered}$ | $\begin{gathered} 56 \\ (49 \text { to } 62) \end{gathered}$ | $\begin{gathered} -35.3 \\ (-37.1 \text { to }-33.7) \end{gathered}$ | $\begin{gathered} 245 \\ (213 \text { to } 279) \end{gathered}$ | $\begin{gathered} -65.9 \\ (-70.4 \text { to }-60.9) \end{gathered}$ |
| Cuba | $\begin{gathered} 5826 \\ (5257 \text { to } 6440) \end{gathered}$ | $\begin{gathered} -21.3 \\ (-29.1 \text { to }-12.9) \end{gathered}$ | $\begin{gathered} 15133 \\ (13457 \text { to } 16 \\ 798) \\ \hline \end{gathered}$ | $\begin{gathered} -12.2 \\ (-14.3 \text { to }-10.2) \end{gathered}$ | 85352 $(77327$ to $93828)$ | $\begin{gathered} -28.0 \\ (-34.5 \text { to }-21.0) \end{gathered}$ |
| Dominica | $\begin{gathered} 24 \\ (20 \text { to } 28) \end{gathered}$ | $\begin{gathered} -41.3 \\ (-49.8 \text { to }-30.1) \end{gathered}$ | $\begin{gathered} 64 \\ \text { (57 to 71) } \end{gathered}$ | $\begin{gathered} -15.9 \\ (-18.0 \text { to }-14.0) \end{gathered}$ | $\begin{gathered} 375 \\ (326 \text { to } 427) \end{gathered}$ | $\begin{gathered} -39.9 \\ (-47.9 \text { to }-29.9) \end{gathered}$ |
| Dominican Republic | $\begin{gathered} 2490 \\ (2101 \text { to } 2856) \end{gathered}$ | $\begin{gathered} -42.4 \\ (-51.8 \text { to }-32.0) \end{gathered}$ | $\begin{gathered} 7552 \\ (6677 \text { to } 8 \\ 477) \\ \hline \end{gathered}$ | $\begin{gathered} -16.2 \\ (-18.4 \text { to }-14.1) \end{gathered}$ | $\begin{gathered} \hline 41018 \\ (34880 \text { to } \\ 46622) \\ \hline \end{gathered}$ | $\begin{gathered} -44.7 \\ (-53.3 \text { to }-35.7) \end{gathered}$ |


| Grenada | $\begin{gathered} 44 \\ (38 \text { to } 49) \end{gathered}$ | $\begin{gathered} -43.7 \\ (-51.9 \text { to }-35.2) \end{gathered}$ | $\begin{gathered} 92 \\ \text { (82 to } 102 \text { ) } \end{gathered}$ | $\begin{gathered} -22.3 \\ (-24.1 \text { to }-20.6) \end{gathered}$ | $\begin{gathered} 699 \\ \text { (614 to } 792 \text { ) } \end{gathered}$ | $\begin{gathered} -44.0 \\ (-52.1 \text { to }-35.6) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Guyana | $\begin{gathered} 264 \\ (232 \text { to } 295) \end{gathered}$ | $\begin{gathered} -47.3 \\ (-54.4 \text { to }-40.5) \end{gathered}$ | $\begin{gathered} 587 \\ (517 \text { to } 654) \end{gathered}$ | $\begin{gathered} -27.1 \\ (-28.9 \text { to }-25.3) \end{gathered}$ | $\begin{gathered} \hline 5660 \\ (4973 \text { to } 6 \\ 336) \\ \hline \end{gathered}$ | $\begin{gathered} -51.9 \\ (-58.1 \text { to }-45.7) \end{gathered}$ |
| Haiti | $\begin{gathered} 4302 \\ (3427 \text { to } 5240) \end{gathered}$ | $\begin{gathered} -37.5 \\ (-48.8 \text { to }-24.7) \end{gathered}$ | $\begin{gathered} 7008 \\ (6195 \text { to } 7 \\ 817) \\ \hline \end{gathered}$ | $\begin{gathered} -21.9 \\ (-23.4 \text { to }-20.2) \end{gathered}$ | $\begin{gathered} \hline 85163 \\ (67786 \text { to } \\ 104977) \\ \hline \end{gathered}$ | $\begin{gathered} -42.1 \\ (-53.0 \text { to }-29.8) \end{gathered}$ |
| Jamaica | $\begin{gathered} 1460 \\ (1249 \text { to } 1681) \end{gathered}$ | $\begin{gathered} -30.8 \\ (-42.5 \text { to }-16.7) \end{gathered}$ | $\begin{gathered} 2964 \\ (2638 \text { to } 3 \\ 305) \\ \hline \end{gathered}$ | $\begin{gathered} -16.7 \\ (-18.6 \text { to }-14.7) \end{gathered}$ | $\begin{gathered} 20504 \\ (17613 \text { to } \\ 23580) \\ \hline \end{gathered}$ | $\begin{gathered} -34.9 \\ (-45.6 \text { to }-23.0) \end{gathered}$ |
| Puerto Rico | $\begin{gathered} 876 \\ (771 \text { to } 988) \end{gathered}$ | $\begin{gathered} -38.5 \\ (-45.9 \text { to }-30.9) \end{gathered}$ | $\begin{gathered} 3970 \\ (3501 \text { to } 4 \\ 439) \\ \hline \end{gathered}$ | $\begin{gathered} -1.7 \\ (-4.0 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} \hline 13514 \\ (11876 \text { to } \\ 15018) \\ \hline \end{gathered}$ | $\begin{gathered} -36.7 \\ (-43.1 \text { to }-30.3) \end{gathered}$ |
| Saint Lucia | $\begin{gathered} 55 \\ (49 \text { to } 60) \end{gathered}$ | $\begin{gathered} -58.4 \\ (-63.0 \text { to }-54.1) \end{gathered}$ | $\begin{gathered} 163 \\ (145 \text { to } 181) \end{gathered}$ | $\begin{gathered} -28.8 \\ (-30.5 \text { to }-27.1) \end{gathered}$ | $\begin{gathered} 935 \\ (842 \text { to } 1 \\ 022) \\ \hline \end{gathered}$ | $\begin{gathered} -56.3 \\ (-60.7 \text { to }-52.1) \end{gathered}$ |
| Saint Vincent and the Grenadines | $\begin{gathered} 41 \\ (36 \text { to } 45) \end{gathered}$ | $\begin{gathered} -31.0 \\ (-39.1 \text { to }-22.2) \end{gathered}$ | $\begin{gathered} 96 \\ \text { (86 to 107) } \end{gathered}$ | $\begin{gathered} -13.6 \\ (-15.5 \text { to }-11.8) \end{gathered}$ | $\begin{gathered} 692 \\ \text { (621 to 763) } \end{gathered}$ | $\begin{gathered} -31.3 \\ (-39.1 \text { to }-23.5) \end{gathered}$ |
| Suriname | $\begin{gathered} 189 \\ (170 \text { to } 208) \end{gathered}$ | $\begin{gathered} -21.0 \\ (-29.7 \text { to }-11.8) \end{gathered}$ | $\begin{gathered} 481 \\ (428 \text { to } 532) \end{gathered}$ | $\begin{gathered} -10.5 \\ (-12.6 \text { to }-8.6) \end{gathered}$ | $\begin{gathered} \hline 3410 \\ (3090 \text { to } 3 \\ 752) \\ \hline \end{gathered}$ | $\begin{gathered} -25.2 \\ (-33.0 \text { to }-17.4) \end{gathered}$ |
| Trinidad and Tobago | $\begin{gathered} 458 \\ (415 \text { to } 506) \end{gathered}$ | $\begin{gathered} -53.1 \\ (-57.9 \text { to }-48.0) \end{gathered}$ | $\begin{gathered} 1399 \\ (1239 \text { to } 1 \\ 562) \\ \hline \end{gathered}$ | $\begin{gathered} -29.3 \\ (-30.9 \text { to }-27.8) \end{gathered}$ | $\begin{gathered} 8377 \\ (7610 \text { to } 9 \\ 220) \\ \hline \end{gathered}$ | $\begin{gathered} -53.8 \\ (-58.3 \text { to }-49.1) \end{gathered}$ |
| Virgin Islands | $\begin{gathered} 42 \\ (37 \text { to } 48) \end{gathered}$ | $\begin{gathered} -30.9 \\ (-41.0 \text { to }-18.7) \end{gathered}$ | $\begin{gathered} 151 \\ (133 \text { to } 170) \end{gathered}$ | $\begin{gathered} -5.7 \\ (-7.9 \text { to }-3.7) \end{gathered}$ | $\begin{gathered} 717 \\ \text { (625 to 808) } \end{gathered}$ | $\begin{gathered} -31.3 \\ (-40.4 \text { to }-21.0) \end{gathered}$ |
| Tropical Latin America | $\begin{gathered} 67260 \\ \text { (63 } 201 \text { to } 70906 \text { ) } \end{gathered}$ | $\begin{gathered} -58.2 \\ (-59.9 \text { to }-56.5) \end{gathered}$ | $\begin{aligned} & 188137 \\ & (168347 \text { to } \\ & 208970) \end{aligned}$ | $\begin{gathered} -32.0 \\ (-33.2 \text { to }-30.9) \end{gathered}$ | $\begin{gathered} \hline 1137874 \\ (1068956 \\ \text { to } 1201 \\ 360) \\ \hline \end{gathered}$ | $\begin{gathered} -58.7 \\ (-60.5 \text { to }-57.0) \end{gathered}$ |
| Brazil | $\begin{gathered} 66270 \\ (62224 \text { to } 69881) \end{gathered}$ | $\begin{gathered} -58.5 \\ (-60.3 \text { to }-56.9) \end{gathered}$ | $\begin{gathered} 184169 \\ (164763 \text { to } \\ 204529) \end{gathered}$ | $\begin{gathered} -32.5 \\ (-33.7 \text { to }-31.4) \end{gathered}$ | $\begin{gathered} \hline 1122043 \\ (1054429 \\ \text { to } 1185 \\ 377) \\ \hline \end{gathered}$ | $\begin{gathered} -59.0 \\ (-60.8 \text { to }-57.3) \end{gathered}$ |
| Paraguay | $\begin{gathered} 989 \\ \text { (849 to } 1 \text { 137) } \end{gathered}$ | $\begin{gathered} -36.9 \\ (-46.4 \text { to }-25.9) \end{gathered}$ | $\begin{gathered} 3969 \\ (3508 \text { to } 4 \\ 446) \\ \hline \end{gathered}$ | $\begin{gathered} -7.0 \\ (-9.1 \text { to }-4.8) \end{gathered}$ | $\begin{gathered} 15831 \\ (13793 \text { to } \\ 18040) \\ \hline \end{gathered}$ | $\begin{gathered} -35.0 \\ (-44.1 \text { to }-25.1) \end{gathered}$ |
| East Asia | $\begin{gathered} 749124 \\ \text { (717 143 to } 780 \\ 957) \end{gathered}$ | $\begin{gathered} -21.3 \\ (-29.4 \text { to }-15.1) \end{gathered}$ | $\begin{aligned} & 3851577 \\ & \text { (3 } 3479960 \text { to } \\ & 4225870 \text { ) } \end{aligned}$ | $\begin{gathered} 17.5 \\ \text { (15.8 to } 19.2 \text { ) } \end{gathered}$ | $\begin{gathered} 16663455 \\ \text { (15 } 144014 \\ \text { to } 18196 \\ 688 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -16.1 \\ (-22.9 \text { to }-10.4) \end{gathered}$ |
| China | $\begin{gathered} 728566 \\ (697508 \text { to } 759 \\ 228) \\ \hline \end{gathered}$ | $\begin{gathered} -20.7 \\ (-29.0 \text { to }-14.2) \end{gathered}$ | $\begin{gathered} 3783220 \\ (3416264 \text { to } \\ 4147506) \\ \hline \end{gathered}$ | $\begin{gathered} 18.3 \\ (16.6 \text { to } 20.0) \end{gathered}$ | $\begin{aligned} & 16215916 \\ & 14726373 \end{aligned}$ | $\begin{gathered} -15.7 \\ (-22.7 \text { to }-9.7) \end{gathered}$ |


|  |  |  |  |  | $\begin{gathered} \text { to } 17715 \\ 604) \end{gathered}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| North Korea | $\begin{gathered} 14920 \\ (12783 \text { to } 17082) \end{gathered}$ | $\begin{gathered} 23.2 \\ (4.9 \text { to } 48.4) \end{gathered}$ | $\begin{gathered} 37246 \\ (33147 \text { to } 41 \\ 576) \\ \hline \end{gathered}$ | $\begin{gathered} 9.9 \\ (7.7 \text { to } 12.0) \end{gathered}$ | $\begin{gathered} 312332 \\ \text { (271 616 to } \\ 353012) \\ \hline \end{gathered}$ | $\begin{gathered} 19.5 \\ (3.5 \text { to } 38.0) \end{gathered}$ |
| Taiwan (Province of China) | $\begin{gathered} 5638 \\ (4838 \text { to } 6510) \end{gathered}$ | $\begin{gathered} -71.6 \\ (-75.6 \text { to }-67.3) \end{gathered}$ | $\begin{gathered} 31111 \\ (27369 \text { to } 35 \\ 111) \\ \hline \end{gathered}$ | $\begin{gathered} -27.1 \\ (-29.0 \text { to }-25.3) \end{gathered}$ | $\begin{gathered} 135208 \\ (113688 \text { to } \\ 155858) \\ \hline \end{gathered}$ | $\begin{gathered} -60.2 \\ (-65.3 \text { to }-55.5) \end{gathered}$ |
| Southeast Asia | $\begin{gathered} 173120 \\ \text { (160588 to } 187 \\ 248) \\ \hline \end{gathered}$ | $\begin{gathered} -22.3 \\ (-28.4 \text { to }-13.6) \end{gathered}$ | $\begin{gathered} 499431 \\ (441311 \text { to } \\ 556 \text { 179) } \end{gathered}$ | $\begin{gathered} -1.2 \\ (-2.3 \text { to -0.2) } \end{gathered}$ | $\begin{gathered} 3462907 \\ \text { (3 } 3149840 \\ \text { to } 3773 \\ 536 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-23.1 \text { to }-10.7) \end{gathered}$ |
| Cambodia | $\begin{gathered} 3904 \\ (3345 \text { to } 4521) \end{gathered}$ | $\begin{gathered} -17.8 \\ (-32.0 \text { to } 5.7) \end{gathered}$ | $\begin{gathered} 8439 \\ (7442 \text { to } 9 \\ 439) \\ \hline \end{gathered}$ | $\begin{gathered} -3.8 \\ (-5.7 \text { to -1.9) } \end{gathered}$ | $\begin{gathered} 78008 \\ (67667 \text { to } \\ 90024) \\ \hline \end{gathered}$ | $\begin{gathered} -18.6 \\ (-31.5 \text { to } 0.6) \end{gathered}$ |
| Indonesia | $\begin{gathered} 70275 \\ (62575 \text { to } 79 \text { 272) } \end{gathered}$ | $\begin{gathered} 6.2 \\ (-5.6 \text { to } 23.6) \end{gathered}$ | $\begin{aligned} & 207160 \\ & (182420 \text { to } \\ & 231480) \end{aligned}$ | $\begin{gathered} 12.5 \\ \text { (11.2 to } 13.7 \text { ) } \end{gathered}$ | $\begin{gathered} 1481907 \\ (1315216 \\ \text { to } 1660 \\ 088) \\ \hline \end{gathered}$ | $\begin{gathered} 9.6 \\ (-0.1 \text { to } 22.3) \end{gathered}$ |
| Laos | $\begin{gathered} 1710 \\ (1437 \text { to } 1991) \end{gathered}$ | $\begin{gathered} -20.7 \\ (-32.1 \text { to }-4.1) \end{gathered}$ | $\begin{gathered} 3709 \\ (3287 \text { to } 4 \\ 160) \\ \hline \end{gathered}$ | $\begin{gathered} -5.3 \\ (-7.2 \text { to }-3.3) \end{gathered}$ | $\begin{gathered} 35069 \\ (30203 \text { to } \\ 40224) \\ \hline \end{gathered}$ | $\begin{gathered} -22.5 \\ (-33.2 \text { to }-8.7) \end{gathered}$ |
| Malaysia | $\begin{gathered} 4704 \\ (4189 \text { to } 5301) \end{gathered}$ | $\begin{gathered} -44.4 \\ (-51.4 \text { to }-35.8) \end{gathered}$ | $\begin{gathered} 21268 \\ (18637 \text { to } 23 \\ 964) \\ \hline \end{gathered}$ | $\begin{gathered} -9.4 \\ (-11.3 \text { to }-7.5) \end{gathered}$ | $\begin{gathered} 109214 \\ (96030 \text { to } \\ 122920) \\ \hline \end{gathered}$ | $\begin{gathered} -40.8 \\ (-47.6 \text { to }-33.5) \end{gathered}$ |
| Maldives | $\begin{gathered} 29 \\ (24 \text { to } 36) \end{gathered}$ | $\begin{gathered} -65.2 \\ (-73.2 \text { to }-54.8) \end{gathered}$ | $\begin{gathered} 190 \\ (165 \text { to } 213) \end{gathered}$ | $\begin{gathered} -17.5 \\ (-19.7 \text { to }-15.3) \end{gathered}$ | $\begin{gathered} 699 \\ \text { (573 to } 830 \text { ) } \end{gathered}$ | $\begin{gathered} -56.6 \\ (-64.6 \text { to }-46.9) \end{gathered}$ |
| Mauritius | $\begin{gathered} 270 \\ (236 \text { to } 310) \end{gathered}$ | $\begin{gathered} -65.9 \\ (-70.3 \text { to }-60.7) \end{gathered}$ | $\begin{gathered} 1150 \\ (1009 \text { to } 1 \\ 302) \\ \hline \end{gathered}$ | $\begin{gathered} -27.9 \\ (-29.7 \text { to }-26.2) \end{gathered}$ | $\begin{gathered} 5752 \\ (5014 \text { to } 6 \\ 551) \\ \hline \end{gathered}$ | $\begin{gathered} -61.7 \\ (-66.3 \text { to }-56.6) \end{gathered}$ |
| Myanmar | $\begin{gathered} 15118 \\ (13221 \text { to } 17494) \end{gathered}$ | $\begin{gathered} -31.5 \\ (-42.4 \text { to }-16.3) \end{gathered}$ | $\begin{gathered} 40155 \\ (35397 \text { to } 45 \\ 232) \\ \hline \end{gathered}$ | $\begin{gathered} -8.4 \\ (-10.4 \text { to }-6.7) \end{gathered}$ | $\begin{gathered} 307960 \\ (268514 \text { to } \\ 355569) \\ \hline \end{gathered}$ | $\begin{gathered} -30.6 \\ (-41.1 \text { to }-17.6) \end{gathered}$ |
| Philippines | $\begin{gathered} 18137 \\ (15752 \text { to } 20640) \end{gathered}$ | $\begin{gathered} 0.6 \\ (-12.5 \text { to } 15.4) \end{gathered}$ | $\begin{gathered} 56992 \\ (50324 \text { to } 64 \\ 369) \\ \hline \end{gathered}$ | $\begin{gathered} 17.9 \\ (14.7 \text { to } 20.7) \end{gathered}$ | $\begin{gathered} 392771 \\ (342939 \text { to } \\ 443419) \\ \hline \end{gathered}$ | $\begin{gathered} 10.3 \\ (-2.5 \text { to } 25.0) \end{gathered}$ |
| Sri Lanka | $\begin{gathered} 6202 \\ (5086 \text { to } 7455) \end{gathered}$ | $\begin{gathered} -39.4 \\ (-51.1 \text { to }-25.5) \end{gathered}$ | $\begin{gathered} 19149 \\ (16916 \text { to } 21 \\ 494) \\ \hline \end{gathered}$ | $\begin{gathered} -8.5 \\ (-10.5 \text { to }-6.4) \end{gathered}$ | $\begin{gathered} \hline 114927 \\ (96432 \text { to } \\ 134818) \\ \hline \end{gathered}$ | $\begin{gathered} -30.7 \\ (-41.7 \text { to }-17.7) \end{gathered}$ |
| Seychelles | $\begin{gathered} 17 \\ (15 \text { to } 20) \end{gathered}$ | $\begin{gathered} -34.3 \\ (-44.0 \text { to }-23.4) \end{gathered}$ | $\begin{gathered} 79 \\ \text { (70 to 90) } \end{gathered}$ | $\begin{gathered} -4.1 \\ (-6.1 \text { to }-2.4) \end{gathered}$ | $\begin{gathered} 376 \\ (325 \text { to } 431) \end{gathered}$ | $\begin{gathered} -30.0 \\ (-39.4 \text { to }-21.2) \end{gathered}$ |
| Thailand | $\begin{gathered} 12242 \\ (10816 \text { to } 13755) \end{gathered}$ | $\begin{gathered} -46.9 \\ (-53.8 \text { to }-39.2) \end{gathered}$ | $\begin{gathered} 63314 \\ (55535 \text { to } 71 \\ 295) \\ \hline \end{gathered}$ | $\begin{gathered} -6.4 \\ (-8.3 \text { to }-4.5) \end{gathered}$ | $\begin{gathered} 276400 \\ (239954 \text { to } \\ 312554) \\ \hline \end{gathered}$ | $\begin{gathered} -41.6 \\ (-48.1 \text { to }-34.9) \end{gathered}$ |


| Timor-Leste | $\begin{gathered} 179 \\ (140 \text { to } 225) \end{gathered}$ | $\begin{gathered} -26.3 \\ (-44.0 \text { to } 3.6) \end{gathered}$ | $\begin{gathered} 587 \\ (513 \text { to } 666) \end{gathered}$ | $\begin{gathered} 2.7 \\ (0.7 \text { to } 4.6) \end{gathered}$ | $\begin{gathered} 3710 \\ (3010 \text { to } 4 \\ 534) \end{gathered}$ | $\begin{gathered} -25.0 \\ (-42.3 \text { to }-0.1) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Vietnam | $\begin{gathered} 40332 \\ \text { (35 } 787 \text { to } 45 \text { 089) } \end{gathered}$ | $\begin{gathered} -29.4 \\ (-40.6 \text { to }-13.4) \end{gathered}$ | $\begin{gathered} 76239 \\ (68089 \text { to } 84 \\ 310) \\ \hline \end{gathered}$ | $\begin{gathered} -14.1 \\ (-15.9 \text { to }-12.6) \end{gathered}$ | $\begin{gathered} 654666 \\ (580765 \text { to } \\ 734367 \text { ) } \end{gathered}$ | $\begin{gathered} -26.9 \\ (-38.3 \text { to }-12.9) \end{gathered}$ |
| Oceania | $\begin{gathered} 2636 \\ (2244 \text { to } 3036 \text { ) } \end{gathered}$ | $\begin{gathered} -19.8 \\ (-29.3 \text { to }-7.3) \end{gathered}$ | $\begin{gathered} 7542 \\ (6707 \text { to } 8 \\ 406) \\ \hline \end{gathered}$ | $\begin{gathered} -4.1 \\ (-5.6 \text { to }-2.6) \end{gathered}$ | $\begin{gathered} 72773 \\ (62842 \text { to } \\ 83649) \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-27.8 \text { to }-5.2) \end{gathered}$ |
| American Samoa | $\begin{gathered} 8 \\ (7 \text { to } 10) \end{gathered}$ | $\begin{gathered} -33.9 \\ (-45.2 \text { to }-20.2) \end{gathered}$ | $\begin{gathered} 48 \\ (42 \text { to } 54) \end{gathered}$ | $\begin{gathered} -8.9 \\ (-10.9 \text { to }-7.2) \end{gathered}$ | $\begin{gathered} 254 \\ (214 \text { to } 297) \end{gathered}$ | $\begin{gathered} -30.1 \\ (-40.0 \text { to }-18.8) \end{gathered}$ |
| Federated States of Micronesia | $\begin{gathered} 34 \\ (27 \text { to } 42) \end{gathered}$ | $\begin{gathered} -19.2 \\ (-35.9 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 75 \\ (66 \text { to } 84) \end{gathered}$ | $\begin{gathered} -5.0 \\ (-7.0 \text { to }-3.0) \end{gathered}$ | $\begin{gathered} 795 \\ (633 \text { to } 976) \end{gathered}$ | $\begin{gathered} -17.5 \\ (-35.4 \text { to } 2.8) \end{gathered}$ |
| Fiji | $\begin{gathered} 207 \\ (163 \text { to } 259) \end{gathered}$ | $\begin{gathered} -18.8 \\ (-38.8 \text { to } 7.5) \end{gathered}$ | $\begin{gathered} 761 \\ (666 \text { to } 853) \end{gathered}$ | $\begin{gathered} -3.0 \\ (-5.1 \text { to }-0.9) \end{gathered}$ | $\begin{gathered} 5500 \\ (4476 \text { to } 6 \\ 704) \end{gathered}$ | $\begin{gathered} -16.6 \\ (-35.7 \text { to } 6.2) \end{gathered}$ |
| Guam | $\begin{gathered} 56 \\ (49 \text { to } 64) \end{gathered}$ | $\begin{gathered} -9.4 \\ (-23.2 \text { to } 6.9) \end{gathered}$ | $\begin{gathered} 194 \\ (172 \text { to } 217) \end{gathered}$ | $\begin{gathered} 1.7 \\ (-0.5 \text { to } 3.8) \end{gathered}$ | $\begin{gathered} 1283 \\ (1118 \text { to } 1 \\ 454) \\ \hline \end{gathered}$ | $\begin{gathered} -7.1 \\ (-18.6 \text { to } 6.7) \end{gathered}$ |
| Kiribati | $\begin{gathered} 43 \\ (37 \text { to } 49) \end{gathered}$ | $\begin{gathered} -14.1 \\ (-26.1 \text { to } 1.0) \end{gathered}$ | $\begin{gathered} 87 \\ \text { (77 to } 97 \text { ) } \end{gathered}$ | $\begin{gathered} -5.2 \\ (-7.1 \text { to }-3.3) \end{gathered}$ | $\begin{gathered} 1146 \\ (1005 \text { to } 1 \\ 325) \\ \hline \end{gathered}$ | $\begin{gathered} -12.8 \\ (-25.7 \text { to } 2.2) \end{gathered}$ |
| Marshall Islands | $\begin{gathered} 13 \\ (11 \text { to } 15) \end{gathered}$ | $\begin{gathered} -21.0 \\ (-33.4 \text { to }-5.9) \end{gathered}$ | $\begin{gathered} 42 \\ (38 \text { to } 47) \end{gathered}$ | $\begin{gathered} -1.4 \\ (-3.6 \text { to } 0.8) \end{gathered}$ | $\begin{gathered} 365 \\ (309 \text { to } 429) \end{gathered}$ | $\begin{gathered} -17.8 \\ (-29.8 \text { to }-2.8) \end{gathered}$ |
| Northern Mariana Islands | $\begin{gathered} 6 \\ (5 \text { to } 7) \end{gathered}$ | $\begin{gathered} -39.7 \\ (-52.2 \text { to }-24.2) \end{gathered}$ | $\begin{gathered} 49 \\ (42 \text { to } 56) \end{gathered}$ | $\begin{gathered} -11.1 \\ (-13.0 \text { to }-9.5) \end{gathered}$ | $\begin{gathered} 224 \\ (185 \text { to } 267) \end{gathered}$ | $\begin{gathered} -33.2 \\ (-44.7 \text { to }-19.9) \end{gathered}$ |
| Papua New Guinea | $\begin{gathered} 1915 \\ (1546 \text { to } 2 \text { 294) } \end{gathered}$ | $\begin{gathered} -16.1 \\ (-30.1 \text { to } 2.7) \end{gathered}$ | $\begin{gathered} \hline 4624 \\ (4098 \text { to } 5 \\ 170) \\ \hline \end{gathered}$ | $\begin{gathered} -3.8 \\ (-5.6 \text { to }-1.7) \end{gathered}$ | $\begin{gathered} 53365 \\ (43244 \text { to } \\ 63838) \\ \hline \end{gathered}$ | $\begin{gathered} -17.1 \\ (-30.6 \text { to } 0.3) \end{gathered}$ |
| Samoa | $\begin{gathered} 47 \\ (38 \text { to } 57) \end{gathered}$ | $\begin{gathered} -30.7 \\ (-42.7 \text { to }-16.8) \end{gathered}$ | $\begin{gathered} 143 \\ (128 \text { to } 160) \end{gathered}$ | $\begin{gathered} -9.0 \\ (-11.0 \text { to }-7.2) \end{gathered}$ | $\begin{gathered} 1019 \\ (840 \text { to } 1 \\ 198) \\ \hline \end{gathered}$ | $\begin{gathered} -28.8 \\ (-40.1 \text { to }-16.6) \end{gathered}$ |
| Solomon Islands | $\begin{gathered} 185 \\ (151 \text { to } 225) \end{gathered}$ | $\begin{gathered} -14.6 \\ (-28.1 \text { to } 1.1) \end{gathered}$ | $\begin{gathered} 368 \\ (327 \text { to } 411) \end{gathered}$ | $\begin{gathered} -6.0 \\ (-8.0 \text { to }-4.3) \end{gathered}$ | $\begin{gathered} \hline 4621 \\ (3783 \text { to } 5 \\ 663) \\ \hline \end{gathered}$ | $\begin{gathered} -14.7 \\ (-28.7 \text { to } 2.1) \end{gathered}$ |
| Tonga | $\begin{gathered} 23 \\ (19 \text { to } 26) \end{gathered}$ | $\begin{gathered} -22.6 \\ (-36.2 \text { to }-5.2) \end{gathered}$ | $\begin{gathered} 73 \\ (65 \text { to } 81) \end{gathered}$ | $\begin{gathered} -2.5 \\ (-4.3 \text { to }-0.6) \end{gathered}$ | $\begin{gathered} 461 \\ (398 \text { to } 530) \end{gathered}$ | $\begin{gathered} -20.5 \\ (-33.4 \text { to }-6.8) \end{gathered}$ |
| Vanuatu | $\begin{gathered} 99 \\ \text { (79 to 120) } \end{gathered}$ | $\begin{gathered} -15.4 \\ (-29.7 \text { to } 2.5) \end{gathered}$ | $\begin{gathered} 207 \\ (184 \text { to } 231) \end{gathered}$ | $\begin{gathered} -10.5 \\ (-12.3 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 2452 \\ (1981 \text { to } 3 \\ 026) \end{gathered}$ | $\begin{gathered} -15.8 \\ (-30.6 \text { to } 1.7) \end{gathered}$ |
| North Africa and Middle East | $\begin{gathered} 136922 \\ (124993 \text { to } 149 \\ 093) \end{gathered}$ | $\begin{gathered} -20.8 \\ (-27.2 \text { to }-11.0) \end{gathered}$ | $\begin{gathered} 439579 \\ \text { (392 } 288 \text { to } \\ 489787 \text { ) } \end{gathered}$ | $\begin{gathered} -3.2 \\ (-4.5 \text { to }-2.0) \end{gathered}$ | $\begin{aligned} & 2847125 \\ & \text { (2 } 584804 \end{aligned}$ | $\begin{gathered} -20.4 \\ (-26.2 \text { to }-12.3) \end{gathered}$ |


|  |  |  |  |  | $\begin{aligned} & \text { to } 3104 \\ & 675 \text { ) } \end{aligned}$ |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Afghanistan | $\begin{gathered} 10024 \\ (7929 \text { to } 12 \text { 180) } \end{gathered}$ | $\begin{gathered} 4.6 \\ (-8.7 \text { to } 23.0) \end{gathered}$ | $\begin{gathered} \hline 18620 \\ (16596 \text { to } 20 \\ 866) \\ \hline \end{gathered}$ | $\begin{gathered} 0.5 \\ (-1.8 \text { to } 2.6) \end{gathered}$ | $\begin{gathered} 238376 \\ (190067 \text { to } \\ 292571) \\ \hline \end{gathered}$ | $\begin{gathered} 1.0 \\ (-12.5 \text { to } 17.2) \end{gathered}$ |
| Algeria | $\begin{gathered} 9724 \\ \text { (8 } 231 \text { to } 11274 \text { ) } \end{gathered}$ | $\begin{gathered} -27.0 \\ (-36.2 \text { to }-15.3) \end{gathered}$ | $\begin{gathered} 33300 \\ (29477 \text { to } 37 \\ 460) \\ \hline \end{gathered}$ | $\begin{gathered} -9.8 \\ (-11.7 \text { to }-8.0) \end{gathered}$ | $\begin{gathered} 174455 \\ (150221 \text { to } \\ 200299) \end{gathered}$ | $\begin{gathered} -29.4 \\ (-37.7 \text { to }-20.0) \end{gathered}$ |
| Bahrain | $\begin{gathered} 72 \\ \text { (59 to 88) } \end{gathered}$ | $\begin{gathered} -43.4 \\ (-54.5 \text { to }-30.0) \end{gathered}$ | $\begin{gathered} 717 \\ \text { (618 to 819) } \end{gathered}$ | $\begin{gathered} -10.6 \\ (-12.7 \text { to }-8.6) \end{gathered}$ | $\begin{gathered} 2160 \\ (1820 \text { to } 2 \\ 536) \\ \hline \end{gathered}$ | $\begin{gathered} -41.4 \\ (-50.9 \text { to }-30.5) \end{gathered}$ |
| Egypt | $\begin{gathered} 30884 \\ (26430 \text { to } 36 \text { 182) } \end{gathered}$ | $\begin{gathered} -25.1 \\ (-35.9 \text { to }-9.5) \end{gathered}$ | $\begin{gathered} \hline 80581 \\ \text { (71 381 to } 90 \\ 082) \\ \hline \end{gathered}$ | $\begin{gathered} 2.6 \\ (0.1 \text { to } 4.9) \end{gathered}$ | $\begin{gathered} 641552 \\ (556526 \text { to } \\ 747062) \\ \hline \end{gathered}$ | $\begin{gathered} -17.2 \\ (-29.0 \text { to }-1.0) \end{gathered}$ |
| Iran | $\begin{gathered} 22499 \\ (19152 \text { to } 26353) \end{gathered}$ | $\begin{gathered} -28.1 \\ (-42.2 \text { to -9.4) } \end{gathered}$ | $\begin{gathered} 67201 \\ \text { (59 503 to } 74 \\ 827) \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-19.5 \text { to }-16.0) \end{gathered}$ | $\begin{gathered} 449904 \\ (384777 \text { to } \\ 525440) \\ \hline \end{gathered}$ | $\begin{gathered} -30.2 \\ (-43.3 \text { to }-13.9) \end{gathered}$ |
| Iraq | $\begin{gathered} 8644 \\ (7194 \text { to } 10231) \end{gathered}$ | $\begin{gathered} -15.6 \\ (-32.7 \text { to } 4.1) \end{gathered}$ | $\begin{gathered} 24283 \\ \text { (21684 to } 27 \\ 257) \\ \hline \end{gathered}$ | $\begin{gathered} -6.4 \\ (-8.6 \text { to }-4.4) \end{gathered}$ | $\begin{gathered} 199425 \\ (166739 \text { to } \\ 235586) \\ \hline \end{gathered}$ | $\begin{gathered} -15.3 \\ (-32.4 \text { to } 3.6) \end{gathered}$ |
| Jordan | $\begin{gathered} 1426 \\ (1125 \text { to } 1797) \end{gathered}$ | $\begin{gathered} -40.4 \\ (-53.1 \text { to }-24.5) \end{gathered}$ | $\begin{gathered} 4938 \\ (4390 \text { to } 5 \\ 533) \\ \hline \end{gathered}$ | $\begin{gathered} -18.1 \\ (-20.3 \text { to }-16.2) \end{gathered}$ | $\begin{gathered} 28268 \\ (23050 \text { to } \\ 34848) \\ \hline \end{gathered}$ | $\begin{gathered} -41.5 \\ (-54.1 \text { to }-27.4) \end{gathered}$ |
| Kuwait | $\begin{gathered} 280 \\ (211 \text { to } 361) \end{gathered}$ | $\begin{gathered} 21.1 \\ (-8.1 \text { to } 57.9) \end{gathered}$ | $\begin{gathered} 2037 \\ (1761 \text { to } 2 \\ 333) \end{gathered}$ | $\begin{gathered} 16.9 \\ \text { (14.0 to } 19.4 \text { ) } \end{gathered}$ | $\begin{gathered} 8245 \\ (6573 \text { to } 10 \\ 200) \\ \hline \end{gathered}$ | $\begin{gathered} 13.1 \\ (-9.4 \text { to } 39.6) \end{gathered}$ |
| Lebanon | $\begin{gathered} 748 \\ (568 \text { to } 984) \end{gathered}$ | $\begin{gathered} -65.8 \\ (-75.4 \text { to }-52.2) \end{gathered}$ | $\begin{gathered} 5255 \\ (4617 \text { to } 5 \\ 957) \\ \hline \end{gathered}$ | $\begin{gathered} -15.2 \\ (-17.6 \text { to }-13.0) \end{gathered}$ | $\begin{gathered} 15917 \\ (12703 \text { to } \\ 19409) \\ \hline \end{gathered}$ | $\begin{gathered} -62.8 \\ (-71.3 \text { to }-52.5) \end{gathered}$ |
| Libya | $\begin{gathered} 1091 \\ \text { ( } 877 \text { to } 1368 \text { ) } \end{gathered}$ | $\begin{gathered} -2.9 \\ (-18.2 \text { to } 14.8) \end{gathered}$ | $\begin{gathered} 4880 \\ (4304 \text { to } 5 \\ 470) \\ \hline \end{gathered}$ | $\begin{gathered} 12.4 \\ \text { (9.8 to } 14.9 \text { ) } \end{gathered}$ | $\begin{gathered} 24016 \\ (19809 \text { to } \\ 29166) \\ \hline \end{gathered}$ | $\begin{gathered} -3.1 \\ (-16.1 \text { to } 11.1) \end{gathered}$ |
| Morocco | $\begin{gathered} 9063 \\ (7206 \text { to } 11238 \text { ) } \end{gathered}$ | $\begin{gathered} -20.9 \\ (-33.9 \text { to } 2.6) \end{gathered}$ | $\begin{gathered} 32025 \\ (28277 \text { to } 35 \\ 996) \\ \hline \end{gathered}$ | $\begin{gathered} -0.7 \\ (-2.7 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} 171547 \\ (141020 \text { to } \\ 204519) \\ \hline \end{gathered}$ | $\begin{gathered} -21.8 \\ (-33.2 \text { to }-4.4) \end{gathered}$ |
| Palestine | $\begin{gathered} 1439 \\ (1325 \text { to } 1555) \end{gathered}$ | $\begin{gathered} 302.0 \\ (244.2 \text { to } 377.4) \end{gathered}$ | $\begin{gathered} 2680 \\ (2404 \text { to } 2 \\ 969) \\ \hline \end{gathered}$ | $\begin{gathered} 79.5 \\ \text { (75.3 to } 83.5 \text { ) } \end{gathered}$ | $\begin{gathered} 25774 \\ (23836 \text { to } \\ 27890) \\ \hline \end{gathered}$ | $\begin{gathered} 225.3 \\ \text { (181.2 to } 279.2 \text { ) } \end{gathered}$ |
| Oman | $\begin{gathered} 110 \\ \text { (95 to } 127 \text { ) } \end{gathered}$ | $\begin{gathered} -29.4 \\ (-46.2 \text { to }-6.8) \end{gathered}$ | $\begin{gathered} 2015 \\ (1730 \text { to } 2 \\ 312) \\ \hline \end{gathered}$ | $\begin{gathered} 10.1 \\ \text { (8.1 to } 12.2 \text { ) } \end{gathered}$ | $\begin{gathered} 3855 \\ (3186 \text { to } 4 \\ 533) \\ \hline \end{gathered}$ | $\begin{gathered} -19.3 \\ (-32.7 \text { to }-3.9) \end{gathered}$ |
| Qatar | $\begin{gathered} 38 \\ (28 \text { to } 52) \end{gathered}$ | $\begin{gathered} -58.9 \\ (-68.7 \text { to }-46.0) \end{gathered}$ | $\begin{gathered} 951 \\ (807 \text { to } 1 \end{gathered}$ 107) | $\begin{gathered} -9.1 \\ (-11.4 \text { to }-6.7) \end{gathered}$ | $\begin{gathered} 1931 \\ (1508 \text { to } 2 \\ 381) \\ \hline \end{gathered}$ | $\begin{gathered} -50.7 \\ (-60.0 \text { to }-39.8) \end{gathered}$ |


| Saudi Arabia | $\begin{gathered} 5442 \\ (4911 \text { to } 6017) \end{gathered}$ | $\begin{gathered} -17.2 \\ (-29.9 \text { to } 0.5) \end{gathered}$ | $\begin{gathered} 19917 \\ (17580 \text { to } 22 \\ 454) \end{gathered}$ | $\begin{gathered} -4.2 \\ (-5.4 \text { to }-3.1) \end{gathered}$ | $\begin{gathered} 111774 \\ (100290 \text { to } \\ 123667) \\ \hline \end{gathered}$ | $\begin{gathered} -16.8 \\ (-28.5 \text { to }-2.6) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Sudan | $\begin{gathered} 8733 \\ (7048 \text { to } 10411) \end{gathered}$ | $\begin{gathered} -19.3 \\ (-29.3 \text { to }-7.1) \end{gathered}$ | $\begin{gathered} 23810 \\ (21235 \text { to } 26 \\ 549) \\ \hline \end{gathered}$ | $\begin{gathered} -4.1 \\ (-6.2 \text { to }-2.1) \end{gathered}$ | $\begin{gathered} 191799 \\ (155508 \text { to } \\ 228228) \\ \hline \end{gathered}$ | $\begin{gathered} -22.2 \\ (-31.5 \text { to }-12.6) \end{gathered}$ |
| Syria | $\begin{gathered} 2447 \\ (2179 \text { to } 2758 \text { ) } \end{gathered}$ | $\begin{gathered} -41.7 \\ (-50.5 \text { to }-30.5) \end{gathered}$ | $\begin{gathered} 10853 \\ (9622 \text { to } 12 \\ 157) \\ \hline \end{gathered}$ | $\begin{gathered} -12.3 \\ (-14.3 \text { to }-10.4) \end{gathered}$ | $\begin{gathered} 58090 \\ (51828 \text { to } \\ 65805) \\ \hline \end{gathered}$ | $\begin{gathered} -40.1 \\ (-48.3 \text { to }-30.6) \end{gathered}$ |
| Tunisia | $\begin{gathered} 3581 \\ (2831 \text { to } 4389) \end{gathered}$ | $\begin{gathered} -28.0 \\ (-41.7 \text { to }-12.3) \end{gathered}$ | $\begin{gathered} \hline 12130 \\ (10680 \text { to } 13 \\ 606) \\ \hline \end{gathered}$ | $\begin{gathered} -1.9 \\ (-3.9 \text { to } 0.0) \end{gathered}$ | $\begin{gathered} 59300 \\ (48626 \text { to } \\ 71097) \\ \hline \end{gathered}$ | $\begin{gathered} -26.8 \\ (-39.4 \text { to }-12.7) \end{gathered}$ |
| Turkey | $\begin{gathered} 13551 \\ (11304 \text { to } 16 \text { 127) } \end{gathered}$ | $\begin{gathered} -12.2 \\ (-30.7 \text { to } 12.1) \end{gathered}$ | $\begin{gathered} \hline 72844 \\ (64174 \text { to } 81 \\ 856) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ \text { (5.9 to 10.1) } \end{gathered}$ | 261808 $(224220$ to $302780)$ | $\begin{gathered} -18.3 \\ (-31.2 \text { to }-2.2) \end{gathered}$ |
| United Arab Emirates | $\begin{gathered} 1071 \\ \text { (839 to } 1376 \text { ) } \end{gathered}$ | $\begin{gathered} -22.3 \\ (-40.2 \text { to } 2.8) \end{gathered}$ | $\begin{gathered} 5536 \\ (4804 \text { to } 6 \\ 378) \\ \hline \end{gathered}$ | $\begin{gathered} -19.5 \\ (-21.2 \text { to }-17.9) \end{gathered}$ | $\begin{gathered} 38954 \\ (30911 \text { to } \\ 49723) \\ \hline \end{gathered}$ | $\begin{gathered} -22.4 \\ (-40.1 \text { to }-0.3) \end{gathered}$ |
| Yemen | $\begin{gathered} 6054 \\ (5026 \text { to } 7115) \end{gathered}$ | $\begin{gathered} -13.9 \\ (-25.9 \text { to } 2.3) \end{gathered}$ | $\begin{gathered} 14612 \\ (12942 \text { to } 16 \\ 326) \\ \hline \end{gathered}$ | $\begin{gathered} -6.9 \\ (-9.0 \text { to -5.1) } \end{gathered}$ | $\begin{gathered} 139540 \\ (117884 \text { to } \\ 162588) \\ \hline \end{gathered}$ | $\begin{gathered} -17.5 \\ (-28.8 \text { to }-3.1) \end{gathered}$ |
| South Asia | $\begin{gathered} 493871 \\ \text { (454668 to } 537 \\ 483) \end{gathered}$ | $\begin{gathered} -14.7 \\ (-22.5 \text { to }-5.3) \end{gathered}$ | $\begin{gathered} 1059418 \\ \text { (942765 to } 1 \\ 177770 \text { ) } \end{gathered}$ | $\begin{gathered} 1.2 \\ (0.1 \text { to } 2.3) \end{gathered}$ | $\begin{gathered} 10094867 \\ \text { (9 } 908582 \\ \text { to } 10988 \\ 007) \\ \hline \end{gathered}$ | $\begin{gathered} -15.6 \\ (-22.3 \text { to }-8.0) \end{gathered}$ |
| Bangladesh | $\begin{gathered} 66570 \\ \text { (57 } 603 \text { to } 76545 \text { ) } \end{gathered}$ | $\begin{gathered} -21.5 \\ (-33.5 \text { to }-6.7) \end{gathered}$ | $\begin{gathered} 109129 \\ (97262 \text { to } \\ 121 \text { 102) } \end{gathered}$ | $\begin{gathered} -5.8 \\ (-7.8 \text { to }-3.8) \end{gathered}$ | $\begin{gathered} 1254444 \\ (1070559 \\ \text { to } 1476 \\ 947) \\ \hline \end{gathered}$ | $\begin{gathered} -17.8 \\ (-30.3 \text { to }-2.5) \end{gathered}$ |
| Bhutan | $\begin{gathered} 149 \\ (122 \text { to } 179) \end{gathered}$ | $\begin{gathered} -40.1 \\ (-51.5 \text { to }-26.3) \end{gathered}$ | $\begin{gathered} 398 \\ (352 \text { to } 447) \end{gathered}$ | $\begin{gathered} -11.2 \\ (-13.1 \text { to }-9.5) \end{gathered}$ | $\begin{gathered} 2715 \\ (2212 \text { to } 3 \\ 242) \\ \hline \end{gathered}$ | $\begin{gathered} -39.8 \\ (-51.5 \text { to }-27.2) \end{gathered}$ |
| India | $\begin{gathered} 359456 \\ \text { (328 175 to } 392 \\ 557 \text { ) } \end{gathered}$ | $\begin{gathered} -16.4 \\ (-24.1 \text { to }-7.2) \end{gathered}$ | $\begin{aligned} & 819601 \\ & (727687 \text { to } \\ & 911905) \end{aligned}$ | $\begin{gathered} 2.6 \\ (1.5 \text { to } 3.6) \end{gathered}$ | $\begin{gathered} 7530757 \\ (6891541 \\ \text { to } 8262 \\ 600) \\ \hline \end{gathered}$ | $\begin{gathered} -17.2 \\ (-23.6 \text { to }-9.6) \end{gathered}$ |
| Nepal | $\begin{gathered} 7679 \\ (6506 \text { to } 9040) \end{gathered}$ | $\begin{gathered} -17.5 \\ (-31.9 \text { to } 2.8) \end{gathered}$ | $\begin{gathered} 17454 \\ (15462 \text { to } 19 \\ 521) \\ \hline \end{gathered}$ | $\begin{gathered} 1.2 \\ (-0.6 \text { to } 3.1) \end{gathered}$ | $\begin{gathered} 151678 \\ (130202 \text { to } \\ 176772) \\ \hline \end{gathered}$ | $\begin{gathered} -20.1 \\ (-33.1 \text { to }-3.7) \end{gathered}$ |
| Pakistan | $\begin{gathered} 60016 \\ (50269 \text { to } 70905) \end{gathered}$ | $\begin{gathered} -4.6 \\ (-22.4 \text { to } 18.2) \end{gathered}$ | $\begin{gathered} 112836 \\ (99777 \text { to } \\ 126560) \\ \hline \end{gathered}$ | $\begin{gathered} -2.6 \\ (-4.7 \text { to }-0.5) \end{gathered}$ | $\begin{gathered} 1155273 \\ (975285 \text { to } \\ 1351624) \\ \hline \end{gathered}$ | $\begin{gathered} -5.0 \\ (-22.2 \text { to } 15.1) \end{gathered}$ |
| Southern sub-Saharan Africa | $\begin{gathered} 13814 \\ (12914 \text { to } 14 \text { 691) } \end{gathered}$ | $\begin{gathered} 0.6 \\ (-7.9 \text { to } 11.9) \end{gathered}$ | $\begin{gathered} 42080 \\ (37575 \text { to } 46 \\ 844) \end{gathered}$ | $\begin{gathered} 5.5 \\ (4.3 \text { to } 6.7) \end{gathered}$ | $\begin{gathered} 256993 \\ (237894 \text { to } \\ 274440) \\ \hline \end{gathered}$ | $\begin{gathered} -1.9 \\ (-9.9 \text { to } 7.4) \end{gathered}$ |


| Botswana | $\begin{gathered} 372 \\ (190 \text { to } 521) \end{gathered}$ | $\begin{gathered} -22.7 \\ (-58.6 \text { to } 9.0) \end{gathered}$ | $\begin{gathered} 1082 \\ (949 \text { to } 1 \\ 226) \\ \hline \end{gathered}$ | $\begin{gathered} -5.2 \\ (-7.2 \text { to }-3.2) \end{gathered}$ | $\begin{gathered} 7435 \\ (4205 \text { to } 10 \\ 251) \\ \hline \end{gathered}$ | $\begin{gathered} -21.4 \\ (-55.8 \text { to } 9.7) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lesotho | $\begin{gathered} 637 \\ (468 \text { to } 824) \end{gathered}$ | $\begin{gathered} 22.5 \\ (-12.1 \text { to } 64.4) \end{gathered}$ | $\begin{gathered} 1014 \\ (893 \text { to } 1 \end{gathered}$ 140) | $\begin{gathered} 14.5 \\ \text { (12.2 to } 17.0 \text { ) } \end{gathered}$ | $\begin{gathered} 10926 \\ (8275 \text { to } 14 \\ 242) \\ \hline \end{gathered}$ | $\begin{gathered} 24.4 \\ (-10.4 \text { to } 64.5) \end{gathered}$ |
| Namibia | $\begin{gathered} 378 \\ (254 \text { to } 495) \end{gathered}$ | $\begin{gathered} -43.5 \\ (-60.7 \text { to }-27.8) \end{gathered}$ | $\begin{gathered} 1081 \\ (954 \text { to } 1 \\ 216) \\ \hline \end{gathered}$ | $\begin{gathered} -20.7 \\ (-22.6 \text { to }-18.9) \end{gathered}$ | $\begin{gathered} 7143 \\ (5092 \text { to } 9 \\ 093) \\ \hline \end{gathered}$ | $\begin{gathered} -44.6 \\ (-59.9 \text { to }-29.9) \end{gathered}$ |
| South Africa | $\begin{gathered} 10382 \\ \text { (9 } 611 \text { to } 11 \text { 112) } \end{gathered}$ | $\begin{gathered} 11.7 \\ \text { (1.3 to } 24.3 \text { ) } \end{gathered}$ | $\begin{gathered} 33158 \\ (29663 \text { to } 36 \\ 915) \\ \hline \end{gathered}$ | $\begin{gathered} 7.0 \\ \text { (5.7 to 8.2) } \end{gathered}$ | $\begin{gathered} 193250 \\ (179104 \text { to } \\ 207060) \\ \hline \end{gathered}$ | $\begin{gathered} 5.1 \\ (-3.8 \text { to } 15.0) \end{gathered}$ |
| Swaziland | $\begin{gathered} 239 \\ (156 \text { to } 332) \end{gathered}$ | $\begin{gathered} -19.3 \\ (-43.2 \text { to } 8.6) \end{gathered}$ | $\begin{gathered} 563 \\ (492 \text { to } 639) \end{gathered}$ | $\begin{gathered} 2.0 \\ (-0.5 \text { to } 4.1) \end{gathered}$ | $\begin{gathered} 4557 \\ (3073 \text { to } 6 \\ 224) \\ \hline \end{gathered}$ | $\begin{gathered} -18.4 \\ (-41.4 \text { to } 9.2) \end{gathered}$ |
| Zimbabwe | $\begin{gathered} 1805 \\ (1404 \text { to } 2213) \end{gathered}$ | $\begin{gathered} -30.4 \\ (-47.6 \text { to } 5.5) \end{gathered}$ | $\begin{gathered} 5182 \\ (4526 \text { to } 5 \\ 841) \\ \hline \end{gathered}$ | $\begin{gathered} -0.6 \\ (-2.7 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} 33682 \\ (26944 \text { to } \\ 40431) \\ \hline \end{gathered}$ | $\begin{gathered} -21.0 \\ (-40.6 \text { to } 17.0) \end{gathered}$ |
| Western sub-Saharan Africa | $\begin{gathered} 41489 \\ (37158 \text { to } 45415) \end{gathered}$ | $\begin{gathered} -19.7 \\ (-27.8 \text { to }-9.8) \end{gathered}$ | $\begin{gathered} 134878 \\ (119064 \text { to } \\ 151988) \\ \hline \end{gathered}$ | $\begin{gathered} -3.0 \\ (-4.5 \text { to }-1.6) \end{gathered}$ | $\begin{gathered} 912350 \\ (822421 \text { to } \\ 1000638) \\ \hline \end{gathered}$ | $\begin{gathered} -21.0 \\ (-29.2 \text { to }-12.1) \end{gathered}$ |
| Benin | $\begin{gathered} 1534 \\ (1267 \text { to } 1791) \end{gathered}$ | $\begin{gathered} -10.1 \\ (-22.9 \text { to } 3.9) \end{gathered}$ | $\begin{gathered} 3938 \\ (3458 \text { to } 4 \\ 421) \\ \hline \end{gathered}$ | $\begin{gathered} -2.5 \\ (-4.4 \text { to }-0.4) \end{gathered}$ | $\begin{gathered} 33737 \\ (27944 \text { to } \\ 39261) \\ \hline \end{gathered}$ | $\begin{gathered} -11.0 \\ (-23.3 \text { to } 2.3) \end{gathered}$ |
| Burkina Faso | $\begin{gathered} 1464 \\ (1130 \text { to } 1807) \end{gathered}$ | $\begin{gathered} 10.7 \\ (-8.1 \text { to } 34.4) \end{gathered}$ | $\begin{gathered} 5115 \\ (4470 \text { to } 5 \\ 848) \\ \hline \end{gathered}$ | $\begin{gathered} 11.2 \\ (8.8 \text { to } 13.6) \end{gathered}$ | $\begin{gathered} 33138 \\ (26435 \text { to } \\ 40150) \\ \hline \end{gathered}$ | $\begin{gathered} 5.8 \\ (-10.6 \text { to } 26.0) \end{gathered}$ |
| Cameroon | $\begin{gathered} 3563 \\ (2644 \text { to } 4570) \end{gathered}$ | $\begin{gathered} -5.5 \\ (-27.4 \text { to } 19.2) \end{gathered}$ | $\begin{gathered} 8208 \\ (7218 \text { to } 9 \\ 229) \\ \hline \end{gathered}$ | $\begin{gathered} -1.1 \\ (-3.2 \text { to } 1.1) \end{gathered}$ | $\begin{gathered} 71163 \\ (53117 \text { to } \\ 90538) \\ \hline \end{gathered}$ | $\begin{gathered} -4.1 \\ (-25.5 \text { to } 19.3) \end{gathered}$ |
| Cape Verde | $\begin{gathered} 95 \\ \text { (81 to 108) } \end{gathered}$ | $\begin{gathered} -33.6 \\ (-43.8 \text { to }-22.0) \end{gathered}$ | $\begin{gathered} 284 \\ (251 \text { to } 319) \end{gathered}$ | $\begin{gathered} -8.9 \\ (-11.0 \text { to }-7.1) \end{gathered}$ | $\begin{gathered} 1630 \\ (1404 \text { to } 1 \\ 833) \\ \hline \end{gathered}$ | $\begin{gathered} -32.7 \\ (-42.3 \text { to }-21.7) \end{gathered}$ |
| Chad | $\begin{gathered} 1578 \\ (1241 \text { to } 1911) \end{gathered}$ | $\begin{gathered} -15.5 \\ (-29.3 \text { to }-0.2) \end{gathered}$ | $\begin{gathered} 4474 \\ (3916 \text { to } 5 \\ 050) \\ \hline \end{gathered}$ | $\begin{gathered} -0.7 \\ (-2.9 \text { to } 1.2) \end{gathered}$ | $\begin{gathered} 33671 \\ (26652 \text { to } \\ 40297) \\ \hline \end{gathered}$ | $\begin{gathered} -15.6 \\ (-28.7 \text { to }-1.7) \end{gathered}$ |
| Cote d'Ivoire | $\begin{gathered} 3738 \\ (3175 \text { to } 4332) \end{gathered}$ | $\begin{gathered} -11.1 \\ (-23.1 \text { to } 4.1) \end{gathered}$ | $\begin{gathered} 9119 \\ (8062 \text { to } 10 \\ 268) \\ \hline \end{gathered}$ | $\begin{gathered} -6.6 \\ (-8.7 \text { to }-4.7) \end{gathered}$ | $\begin{gathered} 85876 \\ (73322 \text { to } \\ 99926) \\ \hline \end{gathered}$ | $\begin{gathered} -11.5 \\ (-23.2 \text { to } 2.7) \end{gathered}$ |
| The Gambia | $\begin{gathered} 179 \\ (144 \text { to } 218) \end{gathered}$ | $\begin{gathered} -20.7 \\ (-35.5 \text { to }-4.1) \end{gathered}$ | $\begin{gathered} 649 \\ \text { (569 to } 730 \text { ) } \end{gathered}$ | $\begin{gathered} -2.9 \\ (-4.8 \text { to -1.0) } \end{gathered}$ | $\begin{gathered} 4026 \\ (3312 \text { to } 4 \\ 786) \\ \hline \end{gathered}$ | $\begin{gathered} -21.3 \\ (-35.5 \text { to }-6.4) \end{gathered}$ |
| Ghana | $\begin{gathered} 6627 \\ \text { (5 } 512 \text { to } 7 \text { 599) } \end{gathered}$ | $\begin{gathered} -5.5 \\ (-22.7 \text { to } 14.9) \end{gathered}$ | $\begin{gathered} 12382 \\ (11006 \text { to } 13 \\ 841) \\ \hline \end{gathered}$ | $\begin{gathered} -1.6 \\ (-3.7 \text { to } 0.4) \end{gathered}$ | $\begin{gathered} 130207 \\ (110531 \text { to } \\ 148979) \\ \hline \end{gathered}$ | $\begin{gathered} -8.0 \\ (-25.2 \text { to } 11.3) \end{gathered}$ |


| Guinea | $\begin{gathered} 2285 \\ (1901 \text { to } 2675) \end{gathered}$ | $\begin{gathered} -4.1 \\ (-20.9 \text { to } 14.0) \end{gathered}$ | $\begin{gathered} 4894 \\ (4347 \text { to } 5 \\ 507) \\ \hline \end{gathered}$ | $\begin{gathered} 0.5 \\ (-1.5 \text { to } 2.4) \end{gathered}$ | $\begin{gathered} 48606 \\ (40916 \text { to } \\ 56794) \\ \hline \end{gathered}$ | $\begin{gathered} -4.9 \\ (-21.2 \text { to } 12.7) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Guinea-Bissau | $\begin{gathered} 415 \\ (356 \text { to } 481) \end{gathered}$ | $\begin{gathered} -15.4 \\ (-29.2 \text { to } 2.6) \end{gathered}$ | $\begin{gathered} 829 \\ (735 \text { to } 931) \end{gathered}$ | $\begin{gathered} -6.1 \\ (-8.2 \text { to }-4.0) \end{gathered}$ | $\begin{gathered} 9326 \\ (7962 \text { to } 10 \\ 772) \\ \hline \end{gathered}$ | $\begin{gathered} -17.1 \\ (-30.6 \text { to }-0.4) \end{gathered}$ |
| Liberia | $\begin{gathered} 622 \\ (538 \text { to } 710) \end{gathered}$ | $\begin{gathered} -2.5 \\ (-17.5 \text { to } 16.1) \end{gathered}$ | $\begin{gathered} 1702 \\ (1502 \text { to } 1 \\ 911) \\ \hline \end{gathered}$ | $\begin{gathered} 2.5 \\ (0.5 \text { to } 4.5) \end{gathered}$ | $\begin{gathered} \hline 13378 \\ (11667 \text { to } \\ 15224) \\ \hline \end{gathered}$ | $\begin{gathered} -3.8 \\ (-18.1 \text { to } 13.4) \end{gathered}$ |
| Mali | $\begin{gathered} 1912 \\ (1481 \text { to } 2450) \end{gathered}$ | $\begin{gathered} -33.7 \\ (-47.0 \text { to }-17.2) \end{gathered}$ | $\begin{gathered} 5329 \\ (4682 \text { to } 6 \\ 027) \\ \hline \end{gathered}$ | $\begin{gathered} -11.0 \\ (-12.9 \text { to }-9.2) \end{gathered}$ | $\begin{gathered} \hline 41625 \\ (32813 \text { to } \\ 52749) \\ \hline \end{gathered}$ | $\begin{gathered} -35.8 \\ (-48.5 \text { to }-20.1) \end{gathered}$ |
| Mauritania | $\begin{gathered} 536 \\ (386 \text { to } 720) \end{gathered}$ | $\begin{gathered} -42.6 \\ (-54.9 \text { to }-27.0) \end{gathered}$ | $\begin{gathered} 1704 \\ (1514 \text { to } 1 \\ 918) \end{gathered}$ | $\begin{gathered} -18.7 \\ (-20.6 \text { to }-17.0) \end{gathered}$ | $\begin{gathered} 11514 \\ (8730 \text { to } 14 \\ 996) \\ \hline \end{gathered}$ | $\begin{gathered} -44.5 \\ (-56.3 \text { to }-30.6) \end{gathered}$ |
| Niger | $\begin{gathered} 2227 \\ (1485 \text { to } 2876) \end{gathered}$ | $\begin{gathered} -13.1 \\ (-31.9 \text { to } 7.9) \end{gathered}$ | $\begin{gathered} 6674 \\ (5851 \text { to } 7 \\ 585) \\ \hline \end{gathered}$ | $\begin{gathered} -0.2 \\ (-2.3 \text { to } 1.8) \end{gathered}$ | $\begin{gathered} 50467 \\ (35006 \text { to } \\ 64601) \\ \hline \end{gathered}$ | $\begin{gathered} -13.6 \\ (-30.7 \text { to } 7.1) \end{gathered}$ |
| Nigeria | $\begin{gathered} 10616 \\ (8409 \text { to } 13114) \end{gathered}$ | $\begin{gathered} -41.0 \\ (-53.1 \text { to }-26.5) \end{gathered}$ | $\begin{gathered} 58403 \\ (50797 \text { to } 66 \\ 346) \\ \hline \end{gathered}$ | $\begin{gathered} -5.7 \\ (-8.1 \text { to }-3.6) \end{gathered}$ | $\begin{gathered} 252724 \\ (207316 \text { to } \\ 303922) \\ \hline \end{gathered}$ | $\begin{gathered} -39.9 \\ (-51.8 \text { to }-26.8) \end{gathered}$ |
| Sao Tome and Principe | $\begin{gathered} 41 \\ (35 \text { to } 48) \end{gathered}$ | $\begin{gathered} -1.7 \\ (-19.7 \text { to 17.9) } \end{gathered}$ | $\begin{gathered} 84 \\ (75 \text { to } 94) \end{gathered}$ | $\begin{gathered} -4.2 \\ (-6.3 \text { to }-2.2) \end{gathered}$ | $\begin{gathered} 717 \\ (604 \text { to } 832) \end{gathered}$ | $\begin{gathered} -4.3 \\ (-21.8 \text { to } 14.7) \end{gathered}$ |
| Senegal | $\begin{gathered} 2127 \\ (1791 \text { to } 2488) \end{gathered}$ | $\begin{gathered} -4.9 \\ (-18.1 \text { to } 10.0) \end{gathered}$ | $\begin{gathered} 5876 \\ (5212 \text { to } 6 \\ 607) \\ \hline \end{gathered}$ | $\begin{gathered} 0.3 \\ (-1.8 \text { to } 2.3) \end{gathered}$ | 45063 $(38184$ to $52611)$ | $\begin{gathered} -6.7 \\ (-18.8 \text { to } 6.7) \end{gathered}$ |
| Sierra Leone | $\begin{gathered} 878 \\ \text { (747 to } 1 \text { 011) } \end{gathered}$ | $\begin{gathered} -0.2 \\ (-15.0 \text { to } 17.3) \end{gathered}$ | $\begin{gathered} 2466 \\ (2158 \text { to } 2 \\ 766) \\ \hline \end{gathered}$ | $\begin{gathered} 5.0 \\ (2.7 \text { to } 7.1) \end{gathered}$ | $\begin{gathered} 21556 \\ (18603 \text { to } \\ 24700) \\ \hline \end{gathered}$ | $\begin{gathered} -0.1 \\ (-15.2 \text { to } 16.0) \end{gathered}$ |
| Togo | $\begin{gathered} 1052 \\ \text { (847 to } 1247 \text { ) } \end{gathered}$ | $\begin{gathered} -12.9 \\ (-26.2 \text { to } 2.3) \end{gathered}$ | $\begin{gathered} 2741 \\ (2409 \text { to } 3 \\ 084) \\ \hline \end{gathered}$ | $\begin{gathered} -2.7 \\ (-4.7 \text { to }-0.8) \end{gathered}$ | $\begin{gathered} 23920 \\ (19718 \text { to } \\ 28135) \\ \hline \end{gathered}$ | $\begin{gathered} -12.5 \\ (-25.1 \text { to } 3.1) \end{gathered}$ |
| Eastern sub-Saharan Africa | $\begin{gathered} 46002 \\ (39968 \text { to } 51920) \end{gathered}$ | $\begin{gathered} -32.4 \\ (-39.8 \text { to }-22.8) \end{gathered}$ | $\begin{gathered} 124296 \\ (109567 \text { to } \\ 139265) \\ \hline \end{gathered}$ | $\begin{gathered} -9.0 \\ (-10.2 \text { to }-7.7) \end{gathered}$ | $\begin{gathered} 925823 \\ (811263 \text { to } \\ 1036606) \\ \hline \end{gathered}$ | $\begin{gathered} -33.0 \\ (-40.2 \text { to }-24.9) \end{gathered}$ |
| Burundi | $\begin{gathered} 1416 \\ (1141 \text { to } 1752) \end{gathered}$ | $\begin{gathered} -48.5 \\ (-59.5 \text { to }-34.1) \end{gathered}$ | $\begin{gathered} 3402 \\ (2991 \text { to } 3 \\ 828) \\ \hline \end{gathered}$ | $\begin{gathered} -24.6 \\ (-26.3 \text { to }-23.1) \end{gathered}$ | 28934 (23 466 to $35292)$ | $\begin{gathered} -51.0 \\ (-61.3 \text { to }-38.2) \end{gathered}$ |
| Comoros | $\begin{gathered} 79 \\ (63 \text { to } 96) \end{gathered}$ | $\begin{gathered} -44.5 \\ (-54.9 \text { to }-31.7) \end{gathered}$ | $\begin{gathered} 257 \\ (225 \text { to } 290) \end{gathered}$ | $\begin{gathered} -20.9 \\ (-22.8 \text { to }-19.0) \end{gathered}$ | $\begin{gathered} 1676 \\ (1367 \text { to } 2 \\ 010) \\ \hline \end{gathered}$ | $\begin{gathered} -46.2 \\ (-55.9 \text { to }-34.6) \end{gathered}$ |
| Djibouti | $\begin{gathered} 125 \\ \text { (88 to } 162 \text { ) } \end{gathered}$ | $\begin{gathered} -23.2 \\ (-41.0 \text { to }-0.7) \end{gathered}$ | $\begin{gathered} 397 \\ (348 \text { to } 446) \end{gathered}$ | $\begin{gathered} -5.0 \\ (-7.0 \text { to -3.1) } \end{gathered}$ | $\begin{gathered} \hline 2572 \\ (1853 \text { to } 3 \\ 292) \\ \hline \end{gathered}$ | $\begin{gathered} -23.4 \\ (-41.1 \text { to }-4.7) \end{gathered}$ |


| Eritrea | $\begin{gathered} 682 \\ (520 \text { to } 845) \end{gathered}$ | $\begin{gathered} -41.1 \\ (-51.0 \text { to }-29.2) \end{gathered}$ | $\begin{gathered} 1518 \\ (1323 \text { to } 1 \\ 718) \end{gathered}$ | $\begin{gathered} -16.8 \\ (-18.6 \text { to }-14.9) \end{gathered}$ | $\begin{gathered} 14072 \\ (10981 \text { to } \\ 17123) \\ \hline \end{gathered}$ | $\begin{gathered} -44.2 \\ (-53.2 \text { to }-33.4) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ethiopia | $\begin{gathered} 12020 \\ \text { (9 } 609 \text { to } 15 \text { 111) } \end{gathered}$ | $\begin{gathered} -40.4 \\ (-52.5 \text { to }-23.5) \end{gathered}$ | $\begin{gathered} 33000 \\ (29027 \text { to } 37 \\ 231) \\ \hline \end{gathered}$ | $\begin{gathered} -10.9 \\ (-13.0 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 243761 \\ (200104 \text { to } \\ 300568) \\ \hline \end{gathered}$ | $\begin{gathered} -40.4 \\ (-52.0 \text { to }-25.7) \end{gathered}$ |
| Kenya | $\begin{gathered} 3616 \\ (2920 \text { to } 4381) \end{gathered}$ | $\begin{gathered} -15.9 \\ (-27.0 \text { to }-1.1) \end{gathered}$ | $\begin{gathered} 14128 \\ (12347 \text { to } 15 \\ 927) \\ \hline \end{gathered}$ | $\begin{gathered} 0.8 \\ (-0.2 \text { to } 1.9) \end{gathered}$ | $\begin{gathered} 73330 \\ (59879 \text { to } \\ 87483) \\ \hline \end{gathered}$ | $\begin{gathered} -14.9 \\ (-25.3 \text { to }-2.7) \end{gathered}$ |
| Madagascar | $\begin{gathered} 5229 \\ (4096 \text { to } 6387) \end{gathered}$ | $\begin{gathered} -15.9 \\ (-34.4 \text { to } 3.8) \end{gathered}$ | $\begin{gathered} 9662 \\ (8529 \text { to } 10 \\ 810) \\ \hline \end{gathered}$ | $\begin{gathered} -11.8 \\ (-13.9 \text { to }-9.9) \end{gathered}$ | $\begin{gathered} \hline 109727 \\ (87027 \text { to } \\ 134234) \\ \hline \end{gathered}$ | $\begin{gathered} -17.4 \\ (-35.6 \text { to } 0.6) \end{gathered}$ |
| Malawi | $\begin{gathered} 2087 \\ (1596 \text { to } 2643) \end{gathered}$ | $\begin{gathered} -21.6 \\ (-39.3 \text { to } 2.2) \end{gathered}$ | $\begin{gathered} 5946 \\ (5222 \text { to } 6 \\ 707) \\ \hline \end{gathered}$ | $\begin{gathered} -4.0 \\ (-6.0 \text { to }-2.0) \end{gathered}$ | $\begin{gathered} 40902 \\ (32159 \text { to } \\ 51061) \\ \hline \end{gathered}$ | $\begin{gathered} -20.7 \\ (-38.8 \text { to } 0.7) \end{gathered}$ |
| Mozambique | $\begin{gathered} 4638 \\ (3704 \text { to } 5755) \end{gathered}$ | $\begin{gathered} -32.1 \\ (-44.5 \text { to }-15.9) \end{gathered}$ | $\begin{gathered} 11116 \\ (9803 \text { to } 12 \\ 459) \\ \hline \end{gathered}$ | $\begin{gathered} -6.8 \\ (-9.0 \text { to -4.7) } \end{gathered}$ | $\begin{gathered} 92277 \\ (74601 \text { to } \\ 114866) \\ \hline \end{gathered}$ | $\begin{gathered} -30.9 \\ (-43.6 \text { to }-16.0) \end{gathered}$ |
| Rwanda | $\begin{gathered} 1083 \\ \text { (785 to } 1430 \text { ) } \end{gathered}$ | $\begin{gathered} -57.0 \\ (-67.4 \text { to }-44.1) \end{gathered}$ | $\begin{gathered} 3376 \\ (2950 \text { to } 3 \\ 812) \\ \hline \end{gathered}$ | $\begin{gathered} -26.1 \\ (-27.9 \text { to }-24.3) \end{gathered}$ | $\begin{gathered} 21197 \\ (15371 \text { to } \\ 27572) \\ \hline \end{gathered}$ | $\begin{gathered} -59.1 \\ (-69.2 \text { to }-47.7) \end{gathered}$ |
| Somalia | $\begin{gathered} 1832 \\ (1481 \text { to } 2254) \end{gathered}$ | $\begin{gathered} -24.7 \\ (-37.1 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 3705 \\ (3244 \text { to } 4 \\ 156) \\ \hline \end{gathered}$ | $\begin{gathered} -9.5 \\ (-11.4 \text { to }-7.7) \end{gathered}$ | $\begin{gathered} 37140 \\ (30286 \text { to } \\ 45374) \\ \hline \end{gathered}$ | $\begin{gathered} -26.6 \\ (-38.6 \text { to }-11.2) \end{gathered}$ |
| South Sudan | $\begin{gathered} 1683 \\ (1242 \text { to } 2162) \end{gathered}$ | $\begin{gathered} -15.6 \\ (-32.6 \text { to } 7.7) \end{gathered}$ | $\begin{gathered} 4726 \\ (4154 \text { to } 5 \\ 364) \\ \hline \end{gathered}$ | $\begin{gathered} -5.2 \\ (-7.3 \text { to }-3.5) \end{gathered}$ | $\begin{gathered} 33948 \\ (25464 \text { to } \\ 42874) \\ \hline \end{gathered}$ | $\begin{gathered} -16.5 \\ (-33.9 \text { to } 5.6) \end{gathered}$ |
| Tanzania | $\begin{gathered} 5640 \\ (4552 \text { to } 6784) \end{gathered}$ | $\begin{gathered} -25.9 \\ (-38.6 \text { to }-9.6) \end{gathered}$ | $\begin{gathered} 17747 \\ (15578 \text { to } 20 \\ 004) \\ \hline \end{gathered}$ | $\begin{gathered} -2.0 \\ (-4.1 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} \hline 111041 \\ (89512 \text { to } \\ 133806) \\ \hline \end{gathered}$ | $\begin{gathered} -25.4 \\ (-38.4 \text { to }-10.6) \end{gathered}$ |
| Uganda | $\begin{gathered} 3781 \\ (2988 \text { to } 4569) \end{gathered}$ | $\begin{gathered} -38.4 \\ (-50.4 \text { to }-23.9) \end{gathered}$ | $\begin{gathered} 9849 \\ (8618 \text { to } 11 \\ 144) \\ \hline \end{gathered}$ | $\begin{gathered} -14.8 \\ (-16.7 \text { to }-13.0) \end{gathered}$ | $\begin{gathered} 73386 \\ (59007 \text { to } \\ 88159) \\ \hline \end{gathered}$ | $\begin{gathered} -40.3 \\ (-52.2 \text { to }-27.3) \end{gathered}$ |
| Zambia | $\begin{gathered} 2090 \\ (1596 \text { to } 2624) \end{gathered}$ | $\begin{gathered} 4.4 \\ (-21.5 \text { to } 40.1) \end{gathered}$ | $\begin{gathered} 5372 \\ (4730 \text { to } 6 \\ 060) \\ \hline \end{gathered}$ | $\begin{gathered} 3.7 \\ (1.7 \text { to } 5.6) \end{gathered}$ | $\begin{gathered} 41769 \\ (32600 \text { to } \\ 51604) \\ \hline \end{gathered}$ | $\begin{gathered} 8.7 \\ (-18.3 \text { to } 41.1) \end{gathered}$ |
| Central sub-Saharan Africa | $\begin{gathered} 17763 \\ (14734 \text { to } 20438) \end{gathered}$ | $\begin{gathered} -18.3 \\ (-28.7 \text { to }-5.2) \end{gathered}$ | $\begin{gathered} 39764 \\ (34993 \text { to } 44 \\ 723) \\ \hline \end{gathered}$ | $\begin{gathered} -7.4 \\ (-8.9 \text { to }-5.8) \end{gathered}$ | $\begin{gathered} 345734 \\ (293024 \text { to } \\ 393121) \\ \hline \end{gathered}$ | $\begin{gathered} -20.0 \\ (-30.0 \text { to }-8.8) \end{gathered}$ |
| Angola | $\begin{gathered} 2696 \\ (2039 \text { to } 3600) \end{gathered}$ | $\begin{gathered} -25.7 \\ (-43.0 \text { to }-2.7) \end{gathered}$ | $\begin{gathered} 7778 \\ (6848 \text { to } 8 \\ 791) \\ \hline \end{gathered}$ | $\begin{gathered} -10.4 \\ (-12.2 \text { to }-8.4) \end{gathered}$ | $\begin{gathered} 56513 \\ (43654 \text { to } \\ 73621) \\ \hline \end{gathered}$ | $\begin{gathered} -27.5 \\ (-44.3 \text { to }-5.9) \end{gathered}$ |
| Central African Republic | $\begin{gathered} 1584 \\ (1177 \text { to } 2000) \end{gathered}$ | $\begin{gathered} -6.2 \\ (-24.6 \text { to } 13.2) \end{gathered}$ | $\begin{gathered} 2389 \\ (2108 \text { to } 2 \\ 673) \\ \hline \end{gathered}$ | $\begin{gathered} -2.7 \\ (-4.7 \text { to -0.6) } \end{gathered}$ | $\begin{gathered} 30518 \\ (23480 \text { to } \\ 38132) \end{gathered}$ | $\begin{gathered} -6.5 \\ (-24.9 \text { to } 13.2) \end{gathered}$ |


| Congo (Brazzaville) | $\begin{gathered} 876 \\ \text { (689 to } 1086 \text { ) } \end{gathered}$ | $\begin{gathered} -39.7 \\ (-52.7 \text { to }-24.0) \end{gathered}$ | $\begin{gathered} 1962 \\ (1722 \text { to } 2 \\ 202) \end{gathered}$ | $\begin{gathered} -20.4 \\ (-22.1 \text { to }-18.4) \end{gathered}$ | $\begin{gathered} 16591 \\ (13263 \text { to } \\ 20263) \end{gathered}$ | $\begin{gathered} -41.6 \\ (-54.7 \text { to }-27.5) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| DR Congo | $\begin{gathered} 12177 \\ \text { (9717 to } 14 \text { 501) } \end{gathered}$ | $\begin{gathered} -12.7 \\ (-26.4 \text { to } 3.9) \end{gathered}$ | $\begin{gathered} 26422 \\ (23161 \text { to } 29 \\ 745) \\ \hline \end{gathered}$ | $\begin{gathered} -4.1 \\ (-6.1 \text { to }-2.1) \end{gathered}$ | $\begin{gathered} 234372 \\ (190889 \text { to } \\ 274684) \\ \hline \end{gathered}$ | $\begin{gathered} -14.0 \\ (-27.4 \text { to } 0.8) \end{gathered}$ |
| Equatorial Guinea | $\begin{gathered} 73 \\ \text { (47 to } 105 \text { ) } \end{gathered}$ | $\begin{gathered} -68.2 \\ (-78.9 \text { to }-53.6) \end{gathered}$ | $\begin{gathered} 352 \\ (307 \text { to } 399) \end{gathered}$ | $\begin{gathered} -21.2 \\ (-23.2 \text { to }-19.4) \end{gathered}$ | $\begin{gathered} 1606 \\ (1108 \text { to } 2 \\ 222) \\ \hline \end{gathered}$ | $\begin{gathered} -67.7 \\ (-78.2 \text { to }-54.8) \end{gathered}$ |
| Gabon | $\begin{gathered} 357 \\ (282 \text { to } 434) \end{gathered}$ | $\begin{gathered} -36.7 \\ (-49.5 \text { to }-21.6) \end{gathered}$ | $\begin{gathered} 861 \\ (759 \text { to } 973) \end{gathered}$ | $\begin{gathered} -20.3 \\ (-22.0 \text { to }-18.6) \end{gathered}$ | $\begin{gathered} 6134 \\ (4964 \text { to } 7 \\ 365) \end{gathered}$ | $\begin{gathered} -38.3 \\ (-50.1 \text { to }-24.6) \end{gathered}$ |


| Location | Deaths (95\% UI) |  | Incidence (95\% UI) |  | DALYs (95\% UI) |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 counts | Percentage change in age-standardised rates between 1990 and 2016 | 2016 counts | Percentage change in age-standardised rates between 1990 and 2016 | 2016 counts | Percentage change in agestandardised rates between 1990 and 2016 |
| Global | $\begin{gathered} 2838061 \\ (2748568 \text { to } 2 \\ 934055) \end{gathered}$ | $\begin{gathered} -37.8 \\ (-41.7 \text { to }-34.9) \end{gathered}$ | $\begin{gathered} 4120318 \\ \text { (3763946 to } \\ 4508361 \text { ) } \end{gathered}$ | $\begin{gathered} -14.0 \\ (-15.1 \text { to }-12.9) \end{gathered}$ | $\begin{gathered} 64547699 \\ (62622343 \text { to } \\ 66497593) \end{gathered}$ | $\begin{gathered} -37.9 \\ (-41.3 \text { to }-35.2) \end{gathered}$ |
| High SDI | $\begin{gathered} 291386 \\ (273987 \text { to } 310 \\ 091) \\ \hline \end{gathered}$ | $\begin{gathered} -48.0 \\ (-49.9 \text { to }-46.3) \end{gathered}$ | $\begin{gathered} \hline 704823 \\ (646876 \text { to } \\ 762326) \\ \hline \end{gathered}$ | $\begin{gathered} -20.3 \\ (-21.4 \text { to }-19.3) \end{gathered}$ | $\begin{gathered} 4896000 \\ (4640190 \text { to } 5 \\ 153933) \\ \hline \end{gathered}$ | $\begin{gathered} -49.9 \\ (-51.6 \text { to }-48.2) \end{gathered}$ |


| High-middle SDI | $\begin{gathered} 418416 \\ (390452 \text { to } 451 \\ 306) \\ \hline \end{gathered}$ | $\begin{gathered} -47.4 \\ (-51.2 \text { to }-43.2) \end{gathered}$ | $\begin{aligned} & 789958 \\ & (718670 \text { to } \\ & 867704) \\ & \hline \end{aligned}$ | $\begin{gathered} -20.6 \\ (-21.9 \text { to }-19.3) \end{gathered}$ | $\begin{gathered} 8694262 \\ (8099022 \text { to } 9 \\ 350778) \\ \hline \end{gathered}$ | $\begin{gathered} -47.4 \\ (-51.4 \text { to }-43.1) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Middle SDI | $\begin{gathered} 1304666 \\ (1261170 \text { to } 1 \\ 350095) \\ \hline \end{gathered}$ | $\begin{gathered} -44.6 \\ (-50.1 \text { to }-40.7) \end{gathered}$ | $\begin{gathered} 1767307 \\ (1614289 \text { to } \\ 1934319) \\ \hline \end{gathered}$ | $\begin{gathered} -14.7 \\ (-15.8 \text { to }-13.6) \end{gathered}$ | 29305540 $(28390404$ to $30220498)$ | $\begin{gathered} -44.5 \\ (-49.2 \text { to }-40.8) \end{gathered}$ |
| Low-middle SDI | $\begin{gathered} 631012 \\ (592885 \text { to } 669 \\ 333) \\ \hline \end{gathered}$ | $\begin{gathered} -29.2 \\ (-34.9 \text { to }-24.0) \end{gathered}$ | $\begin{gathered} 671264 \\ (609117 \text { to } \\ 736888) \\ \hline \end{gathered}$ | $\begin{gathered} -13.7 \\ (-14.6 \text { to }-12.7) \end{gathered}$ | 16271025 $(15374226$ to $17161858)$ | $\begin{gathered} -30.5 \\ (-35.7 \text { to }-25.7) \end{gathered}$ |
| Low SDI | 190889 $(176800$ to 206 $045)$ | $\begin{gathered} -23.3 \\ (-28.3 \text { to }-16.4) \end{gathered}$ | $\begin{gathered} 153831 \\ (139253 \text { to } \\ 169327) \\ \hline \end{gathered}$ | $\begin{gathered} -17.6 \\ (-18.6 \text { to }-16.5) \end{gathered}$ | $\begin{gathered} 5323598 \\ (4939799 \text { to } 5 \\ 698179) \\ \hline \end{gathered}$ | $\begin{gathered} -26.1 \\ (-30.8 \text { to }-20.0) \end{gathered}$ |
| High-income North America | $\begin{gathered} 69738 \\ (66487 \text { to } 73 \\ 097) \\ \hline \end{gathered}$ | $\begin{gathered} -12.4 \\ (-15.9 \text { to }-8.9) \end{gathered}$ | $\begin{gathered} 210236 \\ (192256 \text { to } \\ 228382) \\ \hline \end{gathered}$ | $\begin{gathered} -5.5 \\ (-6.6 \text { to }-4.3) \end{gathered}$ | $\begin{gathered} 1409270 \\ (1342473 \text { to } 1 \\ 480726) \\ \hline \end{gathered}$ | $\begin{gathered} -19.0 \\ (-22.2 \text { to }-16.2) \end{gathered}$ |
| Canada | $\begin{gathered} 5801 \\ (5308 \text { to } 6366) \end{gathered}$ | $\begin{gathered} -31.5 \\ (-38.2 \text { to }-23.9) \end{gathered}$ | $\begin{gathered} \hline 20395 \\ (18266 \text { to } 22 \\ 442) \\ \hline \end{gathered}$ | $\begin{gathered} -9.9 \\ (-11.9 \text { to }-7.9) \end{gathered}$ | $\begin{gathered} 102919 \\ (94456 \text { to } 111 \\ 619) \\ \hline \end{gathered}$ | $\begin{gathered} -37.6 \\ (-42.7 \text { to }-32.1) \end{gathered}$ |
| Greenland | $\begin{gathered} 20 \\ (16 \text { to } 26) \end{gathered}$ | $\begin{gathered} -52.3 \\ (-60.7 \text { to }-41.6) \end{gathered}$ | $\begin{gathered} 29 \\ (26 \text { to } 33) \end{gathered}$ | $\begin{gathered} -36.7 \\ (-38.2 \text { to }-35.2) \end{gathered}$ | $\begin{gathered} 484 \\ (387 \text { to } 609) \end{gathered}$ | $\begin{gathered} -53.2 \\ (-62.5 \text { to }-42.2) \end{gathered}$ |
| USA | $\begin{gathered} 63916 \\ (61077 \text { to } 67 \\ 101) \\ \hline \end{gathered}$ | $\begin{gathered} -10.3 \\ (-13.9 \text { to }-6.4) \end{gathered}$ | 189745 $(173341$ to $206083)$ | $\begin{gathered} -4.9 \\ (-6.1 \text { to }-3.8) \end{gathered}$ | $\begin{gathered} 1305812 \\ (1247144 \text { to } 1 \\ 371159) \end{gathered}$ | $\begin{gathered} -17.0 \\ (-20.4 \text { to }-14.1) \end{gathered}$ |
| Australasia | $\begin{gathered} 8237 \\ (7409 \text { to } 9049) \end{gathered}$ | $\begin{gathered} -44.6 \\ (-49.5 \text { to }-39.6) \end{gathered}$ | $\begin{gathered} 15235 \\ (13955 \text { to } 16 \\ 650) \\ \hline \end{gathered}$ | $\begin{gathered} -22.9 \\ (-24.4 \text { to }-21.5) \end{gathered}$ | $\begin{gathered} 104244 \\ (96070 \text { to } 112 \\ 297) \\ \hline \end{gathered}$ | $\begin{gathered} -51.2 \\ (-55.0 \text { to }-47.3) \end{gathered}$ |
| Australia | $\begin{gathered} 6906 \\ (6178 \text { to } 7642) \end{gathered}$ | $\begin{gathered} -44.0 \\ (-49.6 \text { to }-38.4) \end{gathered}$ | $\begin{gathered} 12409 \\ (11223 \text { to } 13 \\ 674) \\ \hline \end{gathered}$ | $\begin{gathered} -24.5 \\ (-26.1 \text { to }-22.7) \end{gathered}$ | 85985 (78 641 to 93 $331)$ | $\begin{gathered} -50.6 \\ (-54.9 \text { to }-45.9) \end{gathered}$ |
| New Zealand | $\begin{gathered} 1331 \\ (1176 \text { to } 1506) \end{gathered}$ | $\begin{gathered} -46.9 \\ (-52.8 \text { to }-40.1) \end{gathered}$ | $\begin{gathered} 2826 \\ (2652 \text { to } 3 \\ 001) \\ \hline \end{gathered}$ | $\begin{gathered} -15.5 \\ (-17.4 \text { to }-13.6) \end{gathered}$ | $\begin{gathered} 18259 \\ (16281 \text { to } 20 \\ 256) \\ \hline \end{gathered}$ | $\begin{gathered} -53.7 \\ (-58.5 \text { to }-48.4) \end{gathered}$ |
| High-income Asia-Pacific | $\begin{gathered} 63100 \\ (57893 \text { to } 68 \\ 358) \\ \hline \end{gathered}$ | $\begin{gathered} -59.8 \\ (-63.1 \text { to }-56.1) \end{gathered}$ | $\begin{gathered} 137683 \\ (124197 \text { to } \\ 151005) \\ \hline \end{gathered}$ | $\begin{gathered} -32.5 \\ (-33.7 \text { to }-31.2) \end{gathered}$ | $\begin{gathered} 11111207 \\ (1016004 \text { to } 1 \\ 212988) \\ \hline \end{gathered}$ | $\begin{gathered} -59.9 \\ (-63.4 \text { to }-55.8) \end{gathered}$ |
| Brunei | $\begin{gathered} 78 \\ (64 \text { to } 92) \end{gathered}$ | $\begin{gathered} -44.3 \\ (-53.8 \text { to }-33.5) \end{gathered}$ | $\begin{gathered} 140 \\ (125 \text { to } 156) \end{gathered}$ | $\begin{gathered} -31.3 \\ (-32.7 \text { to }-29.9) \end{gathered}$ | $\begin{gathered} 2235 \\ (1816 \text { to } 2683) \end{gathered}$ | $\begin{gathered} -46.9 \\ (-57.0 \text { to }-35.4) \end{gathered}$ |
| Japan | $\begin{gathered} 47529 \\ (44147 \text { to } 50 \\ 754) \\ \hline \end{gathered}$ | $\begin{gathered} -52.8 \\ (-55.1 \text { to }-50.6) \end{gathered}$ | $\begin{gathered} 108550 \\ (98118 \text { to } \\ 119061) \\ \hline \end{gathered}$ | $\begin{gathered} -26.0 \\ (-27.3 \text { to }-24.8) \end{gathered}$ | 797303 <br> (747403 to 848 <br> 266 ) <br> 12844 | $\begin{gathered} -50.3 \\ (-52.6 \text { to }-48.0) \end{gathered}$ |
| Singapore | $\begin{gathered} 545 \\ (444 \text { to } 657) \end{gathered}$ | $\begin{gathered} -71.6 \\ (-77.2 \text { to }-64.9) \end{gathered}$ | $\begin{gathered} 1735 \\ (1549 \text { to } 1 \\ 916) \\ \hline \end{gathered}$ | $\begin{gathered} -39.4 \\ (-40.8 \text { to }-38.0) \end{gathered}$ | $\begin{gathered} 12844 \\ (10742 \text { to } 15 \\ 393) \\ \hline \end{gathered}$ | $\begin{gathered} -69.4 \\ (-75.1 \text { to }-62.8) \end{gathered}$ |


| South Korea | $\begin{gathered} 14948 \\ (11322 \text { to } 19 \\ 000) \\ \hline \end{gathered}$ | $\begin{gathered} -75.5 \\ (-81.4 \text { to }-67.6) \end{gathered}$ | $\begin{gathered} 27257 \\ (24200 \text { to } 30 \\ 373) \\ \hline \end{gathered}$ | $\begin{gathered} -53.6 \\ (-54.8 \text { to }-52.4) \end{gathered}$ | $\begin{gathered} 298824 \\ (228946 \text { to } 378 \\ 874) \\ \hline \end{gathered}$ | $\begin{gathered} -76.9 \\ (-82.7 \text { to }-69.7) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Western Europe | $\begin{gathered} 142194 \\ (131181 \text { to } 154 \\ 821) \\ \hline \end{gathered}$ | $\begin{gathered} -52.7 \\ (-55.1 \text { to }-50.3) \end{gathered}$ | $\begin{gathered} 328031 \\ (300320 \text { to } \\ 353758) \\ \hline \end{gathered}$ | $\begin{gathered} -22.7 \\ (-23.9 \text { to }-21.5) \end{gathered}$ | $\begin{gathered} 1973987 \\ (1850079 \text { to } 2 \\ 108737) \\ \hline \end{gathered}$ | $\begin{gathered} -55.9 \\ (-57.8 \text { to }-53.9) \end{gathered}$ |
| Andorra | $\begin{gathered} 26 \\ \text { (21 to 32) } \end{gathered}$ | $\begin{gathered} -36.0 \\ (-51.0 \text { to }-16.7) \end{gathered}$ | $\begin{gathered} 65 \\ \text { (58 to 73) } \end{gathered}$ | $\begin{gathered} -13.4 \\ (-15.1 \text { to }-11.7) \end{gathered}$ | $\begin{gathered} 348 \\ (282 \text { to } 421) \end{gathered}$ | $\begin{gathered} -35.7 \\ (-50.9 \text { to }-18.3) \end{gathered}$ |
| Austria | $\begin{gathered} 1712 \\ (1489 \text { to } 1962) \end{gathered}$ | $\begin{gathered} -68.5 \\ (-71.5 \text { to }-65.0) \end{gathered}$ | $\begin{gathered} 7123 \\ (6427 \text { to } 7 \\ 846) \\ \hline \end{gathered}$ | $\begin{gathered} -34.3 \\ (-35.9 \text { to }-32.6) \end{gathered}$ | $\begin{gathered} 28283 \\ (25376 \text { to } 31 \\ 165) \\ \hline \end{gathered}$ | $\begin{gathered} -65.7 \\ (-69.0 \text { to }-62.6) \end{gathered}$ |
| Belgium | $\begin{gathered} 3936 \\ (3447 \text { to } 4466) \end{gathered}$ | $\begin{gathered} -44.3 \\ (-50.8 \text { to }-37.5) \end{gathered}$ | $\begin{gathered} 8418 \\ (8006 \text { to } 8 \\ 908) \\ \hline \end{gathered}$ | $\begin{gathered} -21.9 \\ (-23.6 \text { to }-20.3) \end{gathered}$ | $\begin{gathered} 55789 \\ (49846 \text { to } 62 \\ 026) \\ \hline \end{gathered}$ | $\begin{gathered} -48.7 \\ (-54.4 \text { to }-42.8) \end{gathered}$ |
| Cyprus | $\begin{gathered} 248 \\ (217 \text { to } 278) \end{gathered}$ | $\begin{gathered} -59.4 \\ (-65.3 \text { to }-52.4) \end{gathered}$ | $\begin{gathered} 636 \\ (574 \text { to } 700) \end{gathered}$ | $\begin{gathered} -23.0 \\ (-24.7 \text { to }-21.2) \end{gathered}$ | $\begin{gathered} 3749 \\ (3387 \text { to } 4 \text { 132) } \end{gathered}$ | $\begin{gathered} -58.7 \\ (-64.2 \text { to }-52.5) \end{gathered}$ |
| Denmark | $\begin{gathered} 1952 \\ (1708 \text { to } 2236) \end{gathered}$ | $\begin{gathered} -46.8 \\ (-54.2 \text { to }-38.6) \end{gathered}$ | $\begin{gathered} 4149 \\ (3756 \text { to } 4 \\ 574) \\ \hline \end{gathered}$ | $\begin{gathered} -25.0 \\ (-26.8 \text { to }-23.4) \end{gathered}$ | $\begin{gathered} 28543 \\ (25238 \text { to } 32 \\ 190) \\ \hline \end{gathered}$ | $\begin{gathered} -53.3 \\ (-59.7 \text { to }-46.9) \end{gathered}$ |
| Finland | $\begin{gathered} 1460 \\ (1276 \text { to } 1674) \end{gathered}$ | $\begin{gathered} -52.1 \\ (-58.1 \text { to }-45.5) \end{gathered}$ | $\begin{gathered} 4711 \\ (4224 \text { to } 5 \\ 257) \\ \hline \end{gathered}$ | $\begin{gathered} -11.2 \\ (-13.6 \text { to }-9.0) \end{gathered}$ | $\begin{gathered} 25378 \\ \text { (22 } 553 \text { to } 28 \\ 518) \\ \hline \end{gathered}$ | $\begin{gathered} -57.8 \\ (-62.5 \text { to }-52.8) \end{gathered}$ |
| France | $\begin{gathered} 18135 \\ (16246 \text { to } 20 \\ 337) \\ \hline \end{gathered}$ | $\begin{gathered} -53.9 \\ (-58.3 \text { to }-49.5) \end{gathered}$ | $\begin{gathered} 42370 \\ (38259 \text { to } 46 \\ 387) \\ \hline \end{gathered}$ | $\begin{gathered} -23.2 \\ (-24.9 \text { to }-21.5) \end{gathered}$ | $\begin{gathered} 254100 \\ (233965 \text { to } 275 \\ 039) \\ \hline \end{gathered}$ | $\begin{gathered} -53.4 \\ (-57.1 \text { to }-49.5) \end{gathered}$ |
| Germany | $\begin{gathered} 22983 \\ (20219 \text { to } 26 \\ 164) \\ \hline \end{gathered}$ | $\begin{gathered} -59.6 \\ (-64.0 \text { to }-54.2) \end{gathered}$ | $\begin{gathered} 66774 \\ (59836 \text { to } 73 \\ 835) \\ \hline \end{gathered}$ | $\begin{gathered} -21.1 \\ (-23.8 \text { to }-18.7) \end{gathered}$ | $\begin{gathered} 350996 \\ (316094 \text { to } 388 \\ 449) \\ \hline \end{gathered}$ | $\begin{gathered} -61.1 \\ (-64.9 \text { to }-56.8) \end{gathered}$ |
| Greece | $\begin{gathered} 7405 \\ (6594 \text { to } 8289) \end{gathered}$ | $\begin{gathered} -51.9 \\ (-56.7 \text { to }-47.2) \end{gathered}$ | $\begin{gathered} \hline 11968 \\ (10821 \text { to } 13 \\ 134) \\ \hline \end{gathered}$ | $\begin{gathered} -28.8 \\ (-30.5 \text { to }-27.2) \end{gathered}$ | $\begin{gathered} 96933 \\ (87981 \text { to } 106 \\ 542) \\ \hline \end{gathered}$ | $\begin{gathered} -50.1 \\ (-54.7 \text { to }-45.6) \end{gathered}$ |
| Iceland | $\begin{gathered} 76 \\ (66 \text { to } 86) \end{gathered}$ | $\begin{gathered} -40.5 \\ (-47.9 \text { to }-33.0) \end{gathered}$ | $\begin{gathered} 172 \\ (156 \text { to 189) } \end{gathered}$ | $\begin{gathered} -22.5 \\ (-24.2 \text { to }-20.7) \end{gathered}$ | $\begin{gathered} 1044 \\ (927 \text { to } 1 \text { 156) } \end{gathered}$ | $\begin{gathered} -49.9 \\ (-55.2 \text { to }-44.2) \end{gathered}$ |
| Ireland | $\begin{gathered} 945 \\ \text { (820 to } 1 \text { 081) } \end{gathered}$ | $\begin{gathered} -55.7 \\ (-61.8 \text { to }-48.5) \end{gathered}$ | $\begin{gathered} 2535 \\ (2285 \text { to } 2 \\ 790) \\ \hline \end{gathered}$ | $\begin{gathered} -27.3 \\ (-28.9 \text { to }-25.6) \end{gathered}$ | $\begin{gathered} 15616 \\ (13720 \text { to } 17 \\ 760) \\ \hline \end{gathered}$ | $\begin{gathered} -57.9 \\ (-63.2 \text { to }-52.1) \end{gathered}$ |
| Israel | $\begin{gathered} 1371 \\ (1156 \text { to } 1628) \end{gathered}$ | $\begin{gathered} -57.7 \\ (-65.5 \text { to }-49.2) \end{gathered}$ | $\begin{gathered} 3742 \\ (3350 \text { to } 4 \\ 115) \\ \hline \end{gathered}$ | $\begin{gathered} -29.4 \\ (-31.1 \text { to }-27.7) \end{gathered}$ | $\begin{gathered} 21662 \\ (18337 \text { to } 25 \\ 590) \\ \hline \end{gathered}$ | $\begin{gathered} -60.6 \\ (-67.5 \text { to }-52.8) \end{gathered}$ |
| Italy | $\begin{gathered} 25149 \\ (21951 \text { to } 29 \\ 134) \\ \hline \end{gathered}$ | $\begin{gathered} -47.4 \\ (-53.0 \text { to }-41.4) \end{gathered}$ | $\begin{gathered} 55098 \\ \text { (51 } 708 \text { to } 58 \\ 323) \\ \hline \end{gathered}$ | $\begin{gathered} -12.9 \\ (-14.7 \text { to }-11.1) \end{gathered}$ | $\begin{gathered} 315409 \\ (284274 \text { to } 352 \\ 269) \\ \hline \end{gathered}$ | $\begin{gathered} -53.0 \\ (-57.4 \text { to }-48.4) \end{gathered}$ |
| Luxembourg | $\begin{gathered} 171 \\ (149 \text { to } 193) \end{gathered}$ | $\begin{gathered} -63.6 \\ (-67.9 \text { to }-58.9) \end{gathered}$ | $\begin{gathered} 351 \\ (321 \text { to } 386) \end{gathered}$ | $\begin{gathered} -41.9 \\ (-43.3 \text { to }-40.5) \end{gathered}$ | $\begin{gathered} 2435 \\ (2169 \text { to } 2729) \end{gathered}$ | $\begin{gathered} -66.3 \\ (-70.1 \text { to }-62.1) \end{gathered}$ |


| Malta | $\begin{gathered} 123 \\ (103 \text { to } 144) \end{gathered}$ | $\begin{gathered} -58.5 \\ (-65.4 \text { to }-50.6) \end{gathered}$ | $\begin{gathered} 342 \\ (307 \text { to } 379) \end{gathered}$ | $\begin{gathered} -23.1 \\ (-25.0 \text { to }-21.2) \end{gathered}$ | $\begin{gathered} 1965 \\ (1677 \text { to } 294) \end{gathered}$ | $\begin{gathered} -60.2 \\ (-66.1 \text { to }-53.2) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Netherlands | $\begin{gathered} 5274 \\ (4709 \text { to } 5889) \end{gathered}$ | $\begin{gathered} -40.1 \\ (-46.3 \text { to }-32.7) \end{gathered}$ | $\begin{gathered} \hline 11504 \\ (10352 \text { to } 12 \\ 651) \\ \hline \end{gathered}$ | $\begin{gathered} -19.0 \\ (-20.9 \text { to }-17.2) \end{gathered}$ | $\begin{gathered} 74656 \\ \text { (67807 to } 82 \\ 617) \end{gathered}$ | $\begin{gathered} -46.4 \\ (-51.6 \text { to }-40.5) \end{gathered}$ |
| Norway | $\begin{gathered} 1393 \\ (1206 \text { to } 1589) \end{gathered}$ | $\begin{gathered} -55.8 \\ (-61.4 \text { to }-49.9) \end{gathered}$ | $\begin{gathered} 3877 \\ (3486 \text { to } 4 \\ 256) \\ \hline \end{gathered}$ | $\begin{gathered} -19.6 \\ (-22.0 \text { to }-17.6) \end{gathered}$ | $\begin{gathered} 19294 \\ (17081 \text { to } 21 \\ 591) \\ \hline \end{gathered}$ | $\begin{gathered} -57.2 \\ (-62.3 \text { to }-51.5) \end{gathered}$ |
| Portugal | $\begin{gathered} 6752 \\ (6124 \text { to } 7408) \end{gathered}$ | $\begin{gathered} -64.0 \\ (-67.2 \text { to }-60.7) \end{gathered}$ | $\begin{gathered} 9344 \\ (8512 \text { to } 10 \\ 222) \\ \hline \end{gathered}$ | $\begin{gathered} -50.8 \\ (-51.9 \text { to }-49.8) \end{gathered}$ | $\begin{gathered} 93022 \\ \text { (85467 to } 100 \\ 997) \\ \hline \end{gathered}$ | $\begin{gathered} -65.7 \\ (-68.5 \text { to }-62.6) \end{gathered}$ |
| Spain | $\begin{gathered} 14561 \\ (12959 \text { to } 16 \\ 255) \\ \hline \end{gathered}$ | $\begin{gathered} -52.0 \\ (-56.6 \text { to }-47.3) \end{gathered}$ | $\begin{gathered} 34132 \\ (30876 \text { to } 37 \\ 500) \\ \hline \end{gathered}$ | $\begin{gathered} -25.8 \\ (-27.5 \text { to }-24.3) \end{gathered}$ | $\begin{gathered} \hline 195811 \\ (178528 \text { to } 212 \\ 508) \\ \hline \end{gathered}$ | $\begin{gathered} -57.4 \\ (-60.9 \text { to }-53.7) \end{gathered}$ |
| Sweden | $\begin{gathered} 3285 \\ (2819 \text { to } 3795 \text { ) } \end{gathered}$ | $\begin{gathered} -37.6 \\ (-45.1 \text { to }-29.2) \end{gathered}$ | $\begin{gathered} 7454 \\ (6613 \text { to } 8 \\ 264) \\ \hline \end{gathered}$ | $\begin{gathered} -12.5 \\ (-14.6 \text { to }-10.4) \end{gathered}$ | $\begin{gathered} 42822 \\ (37604 \text { to } 48 \\ 278) \end{gathered}$ | $\begin{gathered} -44.2 \\ (-50.7 \text { to }-37.0) \end{gathered}$ |
| Switzerland | $\begin{gathered} 1953 \\ (1527 \text { to } 2475) \end{gathered}$ | $\begin{gathered} -61.7 \\ (-69.6 \text { to }-51.5) \end{gathered}$ | $\begin{gathered} 6524 \\ (5819 \text { to } 7 \\ 216) \\ \hline \end{gathered}$ | $\begin{gathered} -16.0 \\ (-18.5 \text { to }-13.7) \end{gathered}$ | $\begin{gathered} 26005 \\ (21016 \text { to } 31 \\ 823) \end{gathered}$ | $\begin{gathered} -62.4 \\ (-69.5 \text { to }-54.4) \end{gathered}$ |
| United Kingdom | $\begin{gathered} 23286 \\ (21754 \text { to } 24 \\ 718) \end{gathered}$ | $\begin{gathered} -47.1 \\ (-49.1 \text { to }-45.1) \end{gathered}$ | $\begin{gathered} 46441 \\ (42081 \text { to } 50 \\ 584) \end{gathered}$ | $\begin{gathered} -23.8 \\ (-25.0 \text { to }-22.6) \end{gathered}$ | $\begin{gathered} 319917 \\ (302293 \text { to } 336 \\ 975) \end{gathered}$ | $\begin{gathered} -51.7 \\ (-53.4 \text { to }-50.0) \end{gathered}$ |
| Southern Latin America | $\begin{gathered} \hline 16200 \\ (14800 \text { to } 17 \\ 672) \\ \hline \end{gathered}$ | $\begin{gathered} -37.4 \\ (-43.2 \text { to }-30.7) \end{gathered}$ | $\begin{gathered} \hline 29137 \\ (26395 \text { to } 31 \\ 832) \\ \hline \end{gathered}$ | $\begin{gathered} -19.7 \\ (-21.1 \text { to }-18.2) \end{gathered}$ | $\begin{gathered} \hline 352112 \\ (322245 \text { to } 384 \\ 926) \\ \hline \end{gathered}$ | $\begin{gathered} -41.0 \\ (-46.2 \text { to }-34.6) \end{gathered}$ |
| Argentina | $\begin{gathered} 10555 \\ (9536 \text { to } 11 \\ 567) \\ \hline \end{gathered}$ | $\begin{gathered} -37.8 \\ (-44.0 \text { to }-30.7) \end{gathered}$ | $\begin{gathered} \hline 18398 \\ (16669 \text { to } 20 \\ 104) \\ \hline \end{gathered}$ | $\begin{gathered} -21.7 \\ (-23.4 \text { to }-20.1) \end{gathered}$ | $\begin{gathered} \hline 239271 \\ (216796 \text { to } 261 \\ 108) \end{gathered}$ | $\begin{gathered} -41.7 \\ (-47.3 \text { to }-35.1) \end{gathered}$ |
| Chile | $\begin{gathered} 4388 \\ (3500 \text { to } 5453) \end{gathered}$ | $\begin{gathered} -36.8 \\ (-49.5 \text { to }-21.0) \end{gathered}$ | $\begin{gathered} 8725 \\ (7837 \text { to } 9 \\ 649) \end{gathered}$ | $\begin{gathered} -15.1 \\ (-17.1 \text { to }-13.0) \end{gathered}$ | $\begin{gathered} 90597 \\ (71533 \text { to } 113 \\ 137) \end{gathered}$ | $\begin{gathered} -39.3 \\ (-52.4 \text { to }-23.9) \end{gathered}$ |
| Uruguay | $\begin{gathered} 1257 \\ (1150 \text { to } 1365) \end{gathered}$ | $\begin{gathered} -32.9 \\ (-39.1 \text { to }-26.0) \end{gathered}$ | $\begin{gathered} 2012 \\ (1830 \text { to } 2 \\ 206) \\ \hline \end{gathered}$ | $\begin{gathered} -19.8 \\ (-21.5 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 22242 \\ (20444 \text { to } 24 \\ 088) \\ \hline \end{gathered}$ | $\begin{gathered} -36.5 \\ (-42.5 \text { to }-30.2) \end{gathered}$ |
| Eastern Europe | 119249 (96 696 to 146 $686)$ | $\begin{gathered} -26.0 \\ (-40.1 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 189417 \\ (170050 \text { to } \\ 211551) \end{gathered}$ | $\begin{gathered} -15.7 \\ (-17.7 \text { to }-13.5) \end{gathered}$ | $\begin{gathered} 2540743 \\ (2058925 \text { to } 3 \\ 145177) \\ \hline \end{gathered}$ | $\begin{gathered} -18.6 \\ (-34.6 \text { to } 1.4) \end{gathered}$ |
| Belarus | $\begin{gathered} 4088 \\ (3425 \text { to } 4782) \end{gathered}$ | $\begin{gathered} -30.9 \\ (-42.8 \text { to }-18.2) \end{gathered}$ | $\begin{gathered} 7827 \\ (7056 \text { to } 8 \\ 694) \\ \hline \end{gathered}$ | $\begin{gathered} -16.5 \\ (-18.4 \text { to }-14.5) \end{gathered}$ | $\begin{gathered} 93408 \\ (78514 \text { to } 109 \\ 873) \\ \hline \end{gathered}$ | $\begin{gathered} -30.6 \\ (-43.1 \text { to }-18.0) \end{gathered}$ |
| Estonia | $\begin{gathered} 272 \\ (221 \text { to } 337) \end{gathered}$ | $\begin{gathered} -68.9 \\ (-74.6 \text { to }-61.4) \end{gathered}$ | $\begin{gathered} 864 \\ \text { (771 to } 964 \text { ) } \end{gathered}$ | $\begin{gathered} -33.6 \\ (-35.6 \text { to }-31.8) \end{gathered}$ | $\begin{gathered} 5775 \\ (4741 \text { to } 6964) \end{gathered}$ | $\begin{gathered} -67.4 \\ (-72.9 \text { to }-61.0) \end{gathered}$ |


| Latvia | $\begin{gathered} 887 \\ \text { (771 to } 1 \text { 017) } \end{gathered}$ | $\begin{gathered} -62.6 \\ (-67.8 \text { to }-56.8) \end{gathered}$ | $\begin{gathered} 2080 \\ (1846 \text { to } 2 \\ 354) \\ \hline \end{gathered}$ | $\begin{gathered} -30.8 \\ (-33.4 \text { to }-28.6) \end{gathered}$ | $\begin{gathered} 16910 \\ \text { (14 } 757 \text { to } 19 \\ 454) \end{gathered}$ | $\begin{gathered} -57.2 \\ (-63.3 \text { to }-50.3) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Lithuania | $\begin{gathered} 916 \\ (827 \text { to } 1005) \end{gathered}$ | $\begin{gathered} -29.0 \\ (-37.2 \text { to }-19.9) \end{gathered}$ | $\begin{gathered} 2497 \\ (2219 \text { to } 2 \\ 841) \\ \hline \end{gathered}$ | $\begin{gathered} -1.9 \\ (-5.2 \text { to } 0.7) \end{gathered}$ | $\begin{gathered} 19237 \\ (17403 \text { to } 21 \\ 221) \\ \hline \end{gathered}$ | $\begin{gathered} -30.5 \\ (-38.0 \text { to }-21.5) \end{gathered}$ |
| Moldova | $\begin{gathered} 2316 \\ (2048 \text { to } 2597) \end{gathered}$ | $\begin{gathered} -36.4 \\ (-44.9 \text { to }-26.3) \end{gathered}$ | $\begin{gathered} 3218 \\ (2890 \text { to } 3 \\ 569) \\ \hline \end{gathered}$ | $\begin{gathered} -27.7 \\ (-29.3 \text { to }-26.2) \end{gathered}$ | 53290 <br> (47 073 to 59 <br> $988)$ <br> 185379 | $\begin{gathered} -34.6 \\ (-43.2 \text { to }-24.5) \end{gathered}$ |
| Russia | $\begin{gathered} 87856 \\ (66274 \text { to } 115 \\ 435) \\ \hline \end{gathered}$ | $\begin{gathered} -21.6 \\ (-41.0 \text { to } 3.8) \end{gathered}$ | $\begin{gathered} 133768 \\ (119450 \text { to } \\ 149396) \\ \hline \end{gathered}$ | $\begin{gathered} -13.7 \\ (-16.2 \text { to }-11.2) \end{gathered}$ | $\begin{gathered} 1853779 \\ (1393393 \text { to } 2 \\ 447712) \\ \hline \end{gathered}$ | $\begin{gathered} -12.5 \\ (-35.9 \text { to } 17.5) \end{gathered}$ |
| Ukraine | $\begin{gathered} 22914 \\ \text { (18573 to } 28 \\ 504) \\ \hline \end{gathered}$ | $\begin{gathered} -35.6 \\ (-49.0 \text { to }-18.0) \end{gathered}$ | $\begin{gathered} 39161 \\ (35135 \text { to } 43 \\ 769) \\ \hline \end{gathered}$ | $\begin{gathered} -20.9 \\ (-22.8 \text { to }-19.0) \end{gathered}$ | $\begin{gathered} 498344 \\ (401626 \text { to } 619 \\ 748) \\ \hline \end{gathered}$ | $\begin{gathered} -28.8 \\ (-44.1 \text { to }-9.7) \end{gathered}$ |
| Central Europe | $\begin{gathered} 68623 \\ (64741 \text { to } 73 \\ 437) \\ \hline \end{gathered}$ | $\begin{gathered} -44.9 \\ (-47.7 \text { to }-41.8) \end{gathered}$ | $\begin{gathered} 96693 \\ (90605 \text { to } \\ 103015) \\ \hline \end{gathered}$ | $\begin{gathered} -28.1 \\ (-28.9 \text { to }-27.4) \end{gathered}$ | $\begin{gathered} 1209781 \\ (1148974 \text { to } 1 \\ 285770) \\ \hline \end{gathered}$ | $\begin{gathered} -48.6 \\ (-51.2 \text { to }-45.6) \end{gathered}$ |
| Albania | $\begin{gathered} 4020 \\ (3470 \text { to } 4529) \end{gathered}$ | $\begin{gathered} -6.5 \\ (-18.8 \text { to } 5.1) \end{gathered}$ | $\begin{gathered} 3395 \\ (3086 \text { to } 3 \\ 722) \\ \hline \end{gathered}$ | $\begin{gathered} -14.8 \\ (-16.6 \text { to }-12.9) \end{gathered}$ | 58336 (50 576 to 65 $629)$ | $\begin{gathered} -13.5 \\ (-24.6 \text { to }-3.0) \end{gathered}$ |
| Bosnia and Herzegovina | $\begin{gathered} 1407 \\ (1194 \text { to } 1629) \end{gathered}$ | $\begin{gathered} -68.9 \\ (-74.1 \text { to }-62.6) \end{gathered}$ | $\begin{gathered} 2850 \\ (2553 \text { to } 3 \\ 159) \\ \hline \end{gathered}$ | $\begin{gathered} -37.1 \\ (-38.4 \text { to }-35.7) \end{gathered}$ | $\begin{gathered} \hline 27678 \\ (23664 \text { to } 32 \\ 164) \\ \hline \end{gathered}$ | $\begin{gathered} -67.5 \\ (-73.0 \text { to }-60.8) \end{gathered}$ |
| Bulgaria | $\begin{gathered} 8238 \\ (7129 \text { to } 9450) \end{gathered}$ | $\begin{gathered} -47.4 \\ (-55.3 \text { to }-38.8) \end{gathered}$ | $\begin{gathered} 9259 \\ (8330 \text { to } 10 \\ 188) \\ \hline \end{gathered}$ | $\begin{gathered} -34.0 \\ (-35.5 \text { to }-32.4) \end{gathered}$ | $\begin{gathered} 138022 \\ (118756 \text { to } 158 \\ 546) \\ \hline \end{gathered}$ | $\begin{gathered} -49.1 \\ (-57.0 \text { to }-40.7) \end{gathered}$ |
| Croatia | $\begin{gathered} 3162 \\ (2732 \text { to } 3576 \text { ) } \end{gathered}$ | $\begin{gathered} -47.8 \\ (-55.2 \text { to }-39.5) \end{gathered}$ | $\begin{gathered} 3831 \\ (3619 \text { to } 4 \\ 098) \\ \hline \end{gathered}$ | $\begin{gathered} -37.0 \\ (-38.3 \text { to }-35.6) \end{gathered}$ | $\begin{gathered} 50981 \\ (44521 \text { to } 56 \\ 958) \\ \hline \end{gathered}$ | $\begin{gathered} -53.1 \\ (-59.7 \text { to }-45.6) \end{gathered}$ |
| Czech Republic | $\begin{gathered} 3158 \\ (2885 \text { to } 3443) \end{gathered}$ | $\begin{gathered} -72.3 \\ (-75.0 \text { to }-69.4) \end{gathered}$ | $\begin{gathered} 7865 \\ (7012 \text { to } 8 \\ 808) \\ \hline \end{gathered}$ | $\begin{gathered} -34.5 \\ (-36.4 \text { to }-32.8) \end{gathered}$ | $\begin{gathered} 52913 \\ (48487 \text { to } 57 \\ 421) \\ \hline \end{gathered}$ | $\begin{gathered} -72.4 \\ (-74.9 \text { to }-69.6) \end{gathered}$ |
| Hungary | $\begin{gathered} 3583 \\ (3159 \text { to } 4025) \end{gathered}$ | $\begin{gathered} -62.8 \\ (-67.3 \text { to }-57.6) \end{gathered}$ | $\begin{gathered} 7340 \\ (6619 \text { to } 8 \\ 141) \\ \hline \end{gathered}$ | $\begin{gathered} -30.5 \\ (-32.1 \text { to }-29.0) \end{gathered}$ | $\begin{gathered} 70289 \\ (62359 \text { to } 78 \\ 539) \\ \hline \end{gathered}$ | $\begin{gathered} -62.6 \\ (-67.2 \text { to }-57.6) \end{gathered}$ |
| Macedonia | $\begin{gathered} 2022 \\ (1786 \text { to } 2407) \end{gathered}$ | $\begin{gathered} -23.7 \\ (-31.9 \text { to }-15.0) \end{gathered}$ | $\begin{gathered} 2127 \\ (1926 \text { to } 2 \\ 353) \\ \hline \end{gathered}$ | $\begin{gathered} -19.0 \\ (-20.8 \text { to }-17.2) \end{gathered}$ | $\begin{gathered} 37422 \\ (33844 \text { to } 42 \\ 337) \\ \hline \end{gathered}$ | $\begin{gathered} -28.1 \\ (-35.9 \text { to }-20.4) \end{gathered}$ |
| Montenegro | $\begin{gathered} 1268 \\ (1113 \text { to } 1408) \end{gathered}$ | $\begin{gathered} -14.9 \\ (-26.4 \text { to }-1.9) \end{gathered}$ | $\begin{gathered} 972 \\ \text { (880 to } 1 \text { 065) } \end{gathered}$ | $\begin{gathered} -25.2 \\ (-26.7 \text { to }-23.8) \end{gathered}$ | $\begin{gathered} 18752 \\ (16513 \text { to } 20 \\ 772) \\ \hline \end{gathered}$ | $\begin{gathered} -23.3 \\ (-33.2 \text { to }-12.1) \end{gathered}$ |
| Poland | $\begin{gathered} 11942 \\ (10716 \text { to } 13 \\ 339) \\ \hline \end{gathered}$ | $\begin{gathered} -47.1 \\ (-53.0 \text { to }-40.5) \end{gathered}$ | $\begin{gathered} 22531 \\ (21751 \text { to } 23 \\ 525) \\ \hline \end{gathered}$ | $\begin{gathered} -24.5 \\ (-26.2 \text { to }-22.6) \end{gathered}$ | $\begin{gathered} 249417 \\ (223945 \text { to } 277 \\ 791) \\ \hline \end{gathered}$ | $\begin{gathered} -49.7 \\ (-55.5 \text { to }-43.5) \end{gathered}$ |


| Romania | $\begin{gathered} 22240 \\ (20060 \text { to } 24 \\ 668) \end{gathered}$ | $\begin{gathered} -20.1 \\ (-28.1 \text { to }-11.6) \end{gathered}$ | $\begin{gathered} 23460 \\ \text { (21 333 to } 25 \\ 656) \end{gathered}$ | $\begin{gathered} -20.8 \\ (-22.5 \text { to }-19.2) \end{gathered}$ | $\begin{gathered} 367655 \\ \text { (333 } 095 \text { to } 405 \\ 808) \\ \hline \end{gathered}$ | $\begin{gathered} -28.4 \\ (-35.7 \text { to }-20.4) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Serbia | $\begin{gathered} 5228 \\ (4579 \text { to } 6334) \end{gathered}$ | $\begin{gathered} -48.6 \\ (-55.4 \text { to }-40.9) \end{gathered}$ | $\begin{gathered} 7486 \\ (7203 \text { to } 7 \\ 785) \\ \hline \end{gathered}$ | $\begin{gathered} -31.6 \\ (-33.2 \text { to }-30.0) \end{gathered}$ | $\begin{gathered} 94912 \\ (84925 \text { to } 109 \\ 089) \\ \hline \end{gathered}$ | $\begin{gathered} -50.2 \\ (-56.6 \text { to }-43.6) \end{gathered}$ |
| Slovakia | $\begin{gathered} 1678 \\ (1460 \text { to } 1911) \end{gathered}$ | $\begin{gathered} -58.6 \\ (-64.9 \text { to }-51.9) \end{gathered}$ | $\begin{gathered} 4076 \\ (3732 \text { to } 4 \\ 439) \\ \hline \end{gathered}$ | $\begin{gathered} -17.9 \\ (-19.9 \text { to }-16.3) \end{gathered}$ | $\begin{gathered} \hline 33180 \\ (28911 \text { to } 37 \\ 811) \\ \hline \end{gathered}$ | $\begin{gathered} -58.6 \\ (-64.6 \text { to }-52.1) \end{gathered}$ |
| Slovenia | $\begin{gathered} 676 \\ (574 \text { to } 791) \end{gathered}$ | $\begin{gathered} -58.1 \\ (-64.5 \text { to }-51.2) \end{gathered}$ | $\begin{gathered} \hline 1500 \\ (1413 \text { to } 1 \\ 568) \\ \hline \end{gathered}$ | $\begin{gathered} -27.2 \\ (-28.9 \text { to }-25.7) \end{gathered}$ | $\begin{gathered} 10225 \\ (8862 \text { to } 11 \\ 640) \\ \hline \end{gathered}$ | $\begin{gathered} -64.0 \\ (-69.4 \text { to }-58.4) \end{gathered}$ |
| Central Asia | $\begin{gathered} \hline 42839 \\ (40369 \text { to } 45 \\ 827) \\ \hline \end{gathered}$ | $\begin{gathered} -20.7 \\ (-25.2 \text { to }-15.5) \end{gathered}$ | $\begin{gathered} 52616 \\ (47979 \text { to } 57 \\ 839) \end{gathered}$ | $\begin{gathered} -17.5 \\ (-18.8 \text { to }-16.2) \end{gathered}$ | $\begin{gathered} 972551 \\ (913583 \text { to } 1 \\ 040458) \\ \hline \end{gathered}$ | $\begin{gathered} -21.1 \\ (-25.7 \text { to }-16.1) \end{gathered}$ |
| Armenia | $\begin{gathered} 922 \\ (817 \text { to } 1026) \end{gathered}$ | $\begin{gathered} -47.6 \\ (-54.4 \text { to }-39.6) \end{gathered}$ | $\begin{gathered} 1926 \\ (1737 \text { to } 2 \\ 149) \\ \hline \end{gathered}$ | $\begin{gathered} -21.2 \\ (-22.9 \text { to }-19.6) \end{gathered}$ | $\begin{gathered} 18664 \\ (16565 \text { to } 20 \\ 810) \\ \hline \end{gathered}$ | $\begin{gathered} -46.0 \\ (-52.5 \text { to }-38.7) \end{gathered}$ |
| Azerbaijan | $\begin{gathered} 5624 \\ (4721 \text { to } 6665) \end{gathered}$ | $\begin{gathered} -23.8 \\ (-36.2 \text { to }-10.3) \end{gathered}$ | $\begin{gathered} 6951 \\ (6234 \text { to } 7 \\ 758) \\ \hline \end{gathered}$ | $\begin{gathered} -16.9 \\ (-18.9 \text { to }-15.0) \end{gathered}$ | $\begin{gathered} 117538 \\ (97623 \text { to } 139 \\ 582) \\ \hline \end{gathered}$ | $\begin{gathered} -26.3 \\ (-39.1 \text { to }-12.1) \end{gathered}$ |
| Georgia | $\begin{gathered} 5382 \\ (4618 \text { to } 6 \text { 153) } \end{gathered}$ | $\begin{gathered} -27.9 \\ (-39.5 \text { to }-15.4) \end{gathered}$ | $\begin{gathered} 5134 \\ (4685 \text { to } 5 \\ 623) \\ \hline \end{gathered}$ | $\begin{gathered} -23.3 \\ (-24.8 \text { to }-21.7) \end{gathered}$ | $\begin{gathered} 87424 \\ (74386 \text { to } 101 \\ 711) \\ \hline \end{gathered}$ | $\begin{gathered} -31.8 \\ (-43.0 \text { to }-19.7) \end{gathered}$ |
| Kazakhstan | $\begin{gathered} 7279 \\ (6175 \text { to } 8737) \end{gathered}$ | $\begin{gathered} -28.4 \\ (-39.7 \text { to }-13.3) \end{gathered}$ | $\begin{gathered} 10995 \\ (9912 \text { to } 12 \\ 185) \end{gathered}$ | $\begin{gathered} -20.8 \\ (-22.7 \text { to }-19.0) \end{gathered}$ | $\begin{gathered} \hline 176148 \\ (148436 \text { to } 210 \\ 473) \\ \hline \end{gathered}$ | $\begin{gathered} -28.0 \\ (-39.4 \text { to }-12.8) \end{gathered}$ |
| Kyrgyzstan | $\begin{gathered} 2319 \\ (2097 \text { to } 2546 \text { ) } \end{gathered}$ | $\begin{gathered} -34.5 \\ (-41.9 \text { to }-26.3) \end{gathered}$ | $\begin{gathered} 2873 \\ (2610 \text { to } 3 \\ 174) \\ \hline \end{gathered}$ | $\begin{gathered} -29.5 \\ (-31.2 \text { to }-28.0) \end{gathered}$ | $\begin{gathered} 59265 \\ (53410 \text { to } 65 \\ 291) \\ \hline \end{gathered}$ | $\begin{gathered} -31.6 \\ (-39.3 \text { to }-23.5) \end{gathered}$ |
| Mongolia | $\begin{gathered} 3026 \\ (2639 \text { to } 3446) \end{gathered}$ | $\begin{gathered} 65.1 \\ (40.7 \text { to } 95.4) \end{gathered}$ | $\begin{gathered} 2495 \\ (2265 \text { to } 2 \\ 738) \\ \hline \end{gathered}$ | $\begin{gathered} 24.3 \\ (22.2 \text { to } 26.3) \end{gathered}$ | $\begin{gathered} 80287 \\ (69095 \text { to } 92 \\ 565) \end{gathered}$ | $\begin{gathered} 50.8 \\ \text { (26.1 to } 79.5 \text { ) } \end{gathered}$ |
| Tajikistan | $\begin{gathered} 2642 \\ (2281 \text { to } 3 \text { 100) } \end{gathered}$ | $\begin{gathered} -17.6 \\ (-29.7 \text { to }-2.0) \end{gathered}$ | $\begin{gathered} 3320 \\ (2990 \text { to } 3 \\ 684) \\ \hline \end{gathered}$ | $\begin{gathered} -18.7 \\ (-20.4 \text { to }-17.0) \end{gathered}$ | $\begin{gathered} 60607 \\ \text { (51903 to } 71 \\ 559) \\ \hline \end{gathered}$ | $\begin{gathered} -22.3 \\ (-34.2 \text { to }-7.2) \end{gathered}$ |
| Turkmenistan | $\begin{gathered} 3869 \\ (3589 \text { to } 4 \text { 141) } \end{gathered}$ | $\begin{gathered} -10.5 \\ (-17.4 \text { to }-3.2) \end{gathered}$ | $\begin{gathered} 3880 \\ (3527 \text { to } 4 \\ 272) \\ \hline \end{gathered}$ | $\begin{gathered} -10.6 \\ (-12.4 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 101298 \\ (94167 \text { to } 108 \\ 291) \\ \hline \end{gathered}$ | $\begin{gathered} -10.7 \\ (-17.6 \text { to }-3.2) \end{gathered}$ |
| Uzbekistan | $\begin{gathered} 11776 \\ (10268 \text { to } 13 \\ 740) \\ \hline \end{gathered}$ | $\begin{gathered} -17.6 \\ (-28.2 \text { to }-6.9) \end{gathered}$ | $\begin{gathered} 15042 \\ (13596 \text { to } 16 \\ 674) \end{gathered}$ | $\begin{gathered} -13.4 \\ (-15.1 \text { to }-11.7) \end{gathered}$ | 271321 (235 517 to 318 $244)$ | $\begin{gathered} -16.9 \\ (-28.0 \text { to }-5.8) \end{gathered}$ |
| Central Latin America | $\begin{gathered} 36444 \\ (34192 \text { to } 38 \\ 668) \\ \hline \end{gathered}$ | $\begin{gathered} -32.2 \\ (-36.2 \text { to }-28.0) \end{gathered}$ | $\begin{gathered} 69681 \\ \text { (62958 to } 76 \\ 459) \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-18.9 \text { to }-16.4) \end{gathered}$ | 916646 (865 956 to 965 $724)$ | $\begin{gathered} -38.6 \\ (-42.1 \text { to }-35.3) \end{gathered}$ |


| Colombia | $\begin{gathered} 7551 \\ (6615 \text { to } 8470) \end{gathered}$ | $\begin{gathered} -48.4 \\ (-55.2 \text { to }-41.1) \end{gathered}$ | $\begin{gathered} 14248 \\ (12834 \text { to } 15 \\ 740) \\ \hline \end{gathered}$ | $\begin{gathered} -33.9 \\ (-35.3 \text { to }-32.6) \end{gathered}$ | $\begin{gathered} 170869 \\ (151958 \text { to } 189 \\ 981) \end{gathered}$ | $\begin{gathered} -56.4 \\ (-62.2 \text { to }-50.5) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Costa Rica | $\begin{gathered} 555 \\ (495 \text { to } 625) \end{gathered}$ | $\begin{gathered} -32.8 \\ (-40.3 \text { to }-24.2) \end{gathered}$ | $\begin{gathered} 1429 \\ (1293 \text { to } 1 \\ 576) \\ \hline \end{gathered}$ | $\begin{gathered} -10.4 \\ (-12.2 \text { to }-8.7) \end{gathered}$ | $\begin{gathered} 12057 \\ (10878 \text { to } 13 \\ 347) \\ \hline \end{gathered}$ | $\begin{gathered} -34.5 \\ (-41.5 \text { to }-27.1) \end{gathered}$ |
| El Salvador | $\begin{gathered} 756 \\ \text { (665 to 858) } \end{gathered}$ | $\begin{gathered} -59.4 \\ (-64.8 \text { to }-53.3) \end{gathered}$ | $\begin{gathered} 1596 \\ (1434 \text { to } 1 \\ 774) \\ \hline \end{gathered}$ | $\begin{gathered} -30.0 \\ (-31.7 \text { to }-28.5) \end{gathered}$ | $\begin{gathered} 18737 \\ (16527 \text { to } 21 \\ 293) \\ \hline \end{gathered}$ | $\begin{gathered} -66.5 \\ (-70.7 \text { to }-61.6) \end{gathered}$ |
| Guatemala | $\begin{gathered} 1949 \\ (1524 \text { to } 2429) \end{gathered}$ | $\begin{gathered} -4.8 \\ (-26.2 \text { to } 21.3) \end{gathered}$ | $\begin{gathered} 3348 \\ (3021 \text { to } 3 \\ 660) \\ \hline \end{gathered}$ | $\begin{gathered} -0.6 \\ (-2.7 \text { to } 1.5) \end{gathered}$ | 59936 $(47178$ to 74 $330)$ | $\begin{gathered} -19.5 \\ (-38.0 \text { to } 3.2) \end{gathered}$ |
| Honduras | $\begin{gathered} 1343 \\ (1078 \text { to } 1681) \end{gathered}$ | $\begin{gathered} -43.6 \\ (-55.6 \text { to }-26.2) \end{gathered}$ | $\begin{gathered} 2003 \\ (1803 \text { to } 2 \\ 215) \\ \hline \end{gathered}$ | $\begin{gathered} -28.4 \\ (-30.0 \text { to }-26.9) \end{gathered}$ | $\begin{gathered} \hline 55507 \\ (44423 \text { to } 69 \\ 617) \\ \hline \end{gathered}$ | $\begin{gathered} -52.7 \\ (-62.9 \text { to }-38.8) \end{gathered}$ |
| Mexico | $\begin{gathered} 16364 \\ (15344 \text { to } 17 \\ 261) \\ \hline \end{gathered}$ | $\begin{gathered} -26.2 \\ (-29.9 \text { to }-22.8) \end{gathered}$ | $\begin{gathered} 33920 \\ (30814 \text { to } 37 \\ 226) \\ \hline \end{gathered}$ | $\begin{gathered} -10.2 \\ (-11.5 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} 409477 \\ (389565 \text { to } 428 \\ 025) \\ \hline \end{gathered}$ | $\begin{gathered} -29.8 \\ (-33.2 \text { to }-26.8) \end{gathered}$ |
| Nicaragua | $\begin{gathered} 793 \\ (670 \text { to } 938) \end{gathered}$ | $\begin{gathered} -20.1 \\ (-32.9 \text { to }-5.0) \end{gathered}$ | $\begin{gathered} 1545 \\ (1391 \text { to } 1 \\ 696) \\ \hline \end{gathered}$ | $\begin{gathered} -10.1 \\ (-12.2 \text { to }-8.1) \end{gathered}$ | $\begin{gathered} 18692 \\ (15800 \text { to } 22 \\ 015) \\ \hline \end{gathered}$ | $\begin{gathered} -32.1 \\ (-42.9 \text { to }-18.8) \end{gathered}$ |
| Panama | $\begin{gathered} 796 \\ (696 \text { to } 901) \end{gathered}$ | $\begin{gathered} -29.7 \\ (-40.1 \text { to }-17.9) \end{gathered}$ | $\begin{gathered} 1360 \\ (1234 \text { to } 1 \\ 483) \\ \hline \end{gathered}$ | $\begin{gathered} -21.9 \\ (-23.4 \text { to }-20.4) \end{gathered}$ | $\begin{gathered} 16708 \\ (14598 \text { to } 19 \\ 169) \\ \hline \end{gathered}$ | $\begin{gathered} -35.8 \\ (-45.6 \text { to }-24.8) \end{gathered}$ |
| Venezuela | $\begin{gathered} 6337 \\ \text { (5 } 384 \text { to } 7 \text { 528) } \end{gathered}$ | $\begin{gathered} -15.4 \\ (-28.9 \text { to } 2.0) \end{gathered}$ | $\begin{gathered} 10234 \\ (9221 \text { to } 11 \\ 333) \\ \hline \end{gathered}$ | $\begin{gathered} -13.4 \\ (-15.3 \text { to }-11.5) \end{gathered}$ | $\begin{gathered} 154663 \\ (131110 \text { to } 185 \\ 276) \\ \hline \end{gathered}$ | $\begin{gathered} -23.2 \\ (-35.9 \text { to }-7.0) \end{gathered}$ |
| Andean Latin America | $\begin{gathered} 7540 \\ (6726 \text { to } 8438) \end{gathered}$ | $\begin{gathered} -47.5 \\ (-54.0 \text { to }-40.2) \end{gathered}$ | $\begin{gathered} 15367 \\ (13885 \text { to } 16 \\ 852) \\ \hline \end{gathered}$ | $\begin{gathered} -22.7 \\ (-24.1 \text { to }-21.3) \end{gathered}$ | $\begin{gathered} 205196 \\ (184630 \text { to } 230 \\ 872) \\ \hline \end{gathered}$ | $\begin{gathered} -55.1 \\ (-61.0 \text { to }-48.5) \end{gathered}$ |
| Bolivia | $\begin{gathered} 2279 \\ (1823 \text { to } 2848) \end{gathered}$ | $\begin{gathered} -46.8 \\ (-57.6 \text { to }-31.8) \end{gathered}$ | $\begin{gathered} 3300 \\ (2970 \text { to } 3 \\ 645) \\ \hline \end{gathered}$ | $\begin{gathered} -23.3 \\ (-24.9 \text { to }-21.7) \end{gathered}$ | $\begin{gathered} 61719 \\ (49218 \text { to } 77 \\ 457) \\ \hline \end{gathered}$ | $\begin{gathered} -53.3 \\ (-63.3 \text { to }-40.8) \end{gathered}$ |
| Ecuador | $\begin{gathered} 2179 \\ (1987 \text { to } 2392) \end{gathered}$ | $\begin{gathered} -38.1 \\ (-44.2 \text { to }-30.9) \end{gathered}$ | $\begin{gathered} 4175 \\ (3784 \text { to } 4 \\ 584) \\ \hline \end{gathered}$ | $\begin{gathered} -20.3 \\ (-22.0 \text { to }-18.6) \end{gathered}$ | $\begin{gathered} 57662 \\ (52368 \text { to } 63 \\ 120) \\ \hline \end{gathered}$ | $\begin{gathered} -45.9 \\ (-51.4 \text { to }-39.8) \end{gathered}$ |
| Peru | $\begin{gathered} 3082 \\ (2533 \text { to } 3733 \text { ) } \end{gathered}$ | $\begin{gathered} -52.7 \\ (-61.9 \text { to }-40.1) \end{gathered}$ | $\begin{gathered} 7892 \\ (7079 \text { to } 8 \\ 737) \\ \hline \end{gathered}$ | $\begin{gathered} -23.6 \\ (-25.3 \text { to }-21.9) \end{gathered}$ | $\begin{gathered} 85816 \\ (70261 \text { to } 104 \\ 255) \\ \hline \end{gathered}$ | $\begin{gathered} -60.4 \\ (-68.6 \text { to }-50.1) \end{gathered}$ |
| Caribbean | $\begin{gathered} 16904 \\ (15427 \text { to } 18 \\ 368) \\ \hline \end{gathered}$ | $\begin{gathered} -20.7 \\ (-27.1 \text { to }-13.8) \end{gathered}$ | $\begin{gathered} 20742 \\ (18890 \text { to } 22 \\ 732) \\ \hline \end{gathered}$ | $\begin{gathered} -16.3 \\ (-17.6 \text { to }-15.0) \end{gathered}$ | $\begin{gathered} 385717 \\ (344936 \text { to } 428 \\ 532) \\ \hline \end{gathered}$ | $\begin{gathered} -31.7 \\ (-39.2 \text { to }-24.7) \end{gathered}$ |
| Antigua and Barbuda | $\begin{gathered} 27 \\ (24 \text { to } 31) \end{gathered}$ | $\begin{gathered} -39.6 \\ (-48.1 \text { to }-29.8) \end{gathered}$ | $\begin{gathered} 39 \\ (35 \text { to } 43) \end{gathered}$ | $\begin{gathered} -25.0 \\ (-26.7 \text { to }-23.5) \end{gathered}$ | $\begin{gathered} 585 \\ (512 \text { to } 663) \end{gathered}$ | $\begin{gathered} -41.8 \\ (-50.0 \text { to }-32.4) \end{gathered}$ |


| The Bahamas | $\begin{gathered} 140 \\ (120 \text { to } 157) \end{gathered}$ | $\begin{gathered} -10.0 \\ (-21.1 \text { to } 2.0) \end{gathered}$ | $\begin{gathered} 177 \\ (160 \text { to } 195) \end{gathered}$ | $\begin{gathered} -10.1 \\ (-11.9 \text { to }-8.2) \end{gathered}$ | $\begin{gathered} 3105 \\ (2693 \text { to } 3503 \text { ) } \end{gathered}$ | $\begin{gathered} -20.7 \\ (-30.7 \text { to }-10.3) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Barbados | $\begin{gathered} 140 \\ (126 \text { to } 156) \end{gathered}$ | $\begin{gathered} -22.8 \\ (-31.6 \text { to }-12.3) \end{gathered}$ | $\begin{gathered} 183 \\ (165 \text { to } 201) \end{gathered}$ | $\begin{gathered} -15.4 \\ (-17.0 \text { to }-13.7) \end{gathered}$ | $\begin{gathered} 2452 \\ (2222 \text { to } 2731) \end{gathered}$ | $\begin{gathered} -26.0 \\ (-34.5 \text { to }-15.8) \end{gathered}$ |
| Belize | $\begin{gathered} 68 \\ \text { (59 to 78) } \end{gathered}$ | $\begin{gathered} 9.4 \\ (-6.6 \text { to } 26.6) \end{gathered}$ | $\begin{gathered} 88 \\ \text { (79 to 97) } \end{gathered}$ | $\begin{gathered} -7.6 \\ (-9.4 \text { to }-6.1) \end{gathered}$ | $\begin{gathered} 1693 \\ (1472 \text { to } 1944) \end{gathered}$ | $\begin{gathered} -9.4 \\ (-22.7 \text { to } 5.1) \end{gathered}$ |
| Bermuda | $\begin{gathered} 15 \\ (13 \text { to } 18) \end{gathered}$ | $\begin{gathered} -52.4 \\ (-59.8 \text { to }-44.4) \end{gathered}$ | $\begin{gathered} 25 \\ (23 \text { to } 28) \end{gathered}$ | $\begin{gathered} -34.8 \\ (-36.2 \text { to }-33.4) \end{gathered}$ | $\begin{gathered} 271 \\ (235 \text { to } 313) \end{gathered}$ | $\begin{gathered} -59.5 \\ (-65.8 \text { to }-52.5) \end{gathered}$ |
| Cuba | $\begin{gathered} 3858 \\ (3480 \text { to } 4215) \end{gathered}$ | $\begin{gathered} -25.2 \\ (-33.4 \text { to }-16.7) \end{gathered}$ | $\begin{gathered} 6283 \\ (5704 \text { to } 6 \\ 898) \\ \hline \end{gathered}$ | $\begin{gathered} -15.9 \\ (-17.7 \text { to }-14.2) \end{gathered}$ | $\begin{gathered} 75673 \\ (68569 \text { to } 83 \\ 022) \\ \hline \end{gathered}$ | $\begin{gathered} -33.1 \\ (-40.4 \text { to }-25.3) \end{gathered}$ |
| Dominica | $\begin{gathered} 26 \\ (22 \text { to } 30) \end{gathered}$ | $\begin{gathered} -9.9 \\ (-24.0 \text { to } 6.2) \end{gathered}$ | $\begin{gathered} 33 \\ (30 \text { to } 36) \end{gathered}$ | $\begin{gathered} -7.2 \\ (-9.2 \text { to }-5.4) \end{gathered}$ | $\begin{gathered} 508 \\ (437 \text { to } 583) \end{gathered}$ | $\begin{gathered} -12.1 \\ (-25.3 \text { to } 3.0) \end{gathered}$ |
| Dominican Republic | $\begin{gathered} 2906 \\ (2428 \text { to } 3363) \end{gathered}$ | $\begin{gathered} -15.4 \\ (-29.9 \text { to }-1.3) \end{gathered}$ | $\begin{gathered} 3813 \\ (3454 \text { to } 4 \\ 207) \\ \hline \end{gathered}$ | $\begin{gathered} -16.0 \\ (-17.8 \text { to }-14.3) \end{gathered}$ | $\begin{gathered} 60762 \\ (51237 \text { to } 70 \\ 214) \\ \hline \end{gathered}$ | $\begin{gathered} -30.5 \\ (-42.6 \text { to }-18.9) \end{gathered}$ |
| Grenada | $\begin{gathered} 48 \\ (42 \text { to } 54) \end{gathered}$ | $\begin{gathered} -14.0 \\ (-27.2 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 49 \\ (45 \text { to } 54) \end{gathered}$ | $\begin{gathered} -11.0 \\ (-13.0 \text { to }-9.2) \end{gathered}$ | $\begin{gathered} 987 \\ \text { (854 to } 1 \text { 123) } \end{gathered}$ | $\begin{gathered} -20.0 \\ (-33.7 \text { to }-5.6) \end{gathered}$ |
| Guyana | $\begin{gathered} 424 \\ (375 \text { to } 474) \end{gathered}$ | $\begin{gathered} -30.3 \\ (-39.5 \text { to }-21.1) \end{gathered}$ | $\begin{gathered} 366 \\ (331 \text { to } 402) \end{gathered}$ | $\begin{gathered} -26.0 \\ (-27.6 \text { to }-24.4) \end{gathered}$ | $\begin{gathered} 10902 \\ (9629 \text { to } 12 \\ 211) \\ \hline \end{gathered}$ | $\begin{gathered} -39.8 \\ (-47.9 \text { to }-32.0) \end{gathered}$ |
| Haiti | $\begin{gathered} 5642 \\ (4412 \text { to } 7014) \end{gathered}$ | $\begin{gathered} -24.7 \\ (-39.1 \text { to }-7.4) \end{gathered}$ | $\begin{gathered} 3974 \\ (3596 \text { to } 4 \\ 397) \\ \hline \end{gathered}$ | $\begin{gathered} -25.0 \\ (-26.7 \text { to }-23.4) \end{gathered}$ | $\begin{gathered} 161684 \\ (124701 \text { to } 203 \\ 268) \\ \hline \end{gathered}$ | $\begin{gathered} -35.0 \\ (-48.2 \text { to }-19.7) \end{gathered}$ |
| Jamaica | $\begin{gathered} 1561 \\ (1330 \text { to } 1808) \end{gathered}$ | $\begin{gathered} 0.2 \\ (-16.7 \text { to } 20.4) \end{gathered}$ | $\begin{gathered} 1604 \\ (1456 \text { to } 1 \\ 761) \\ \hline \end{gathered}$ | $\begin{gathered} -9.0 \\ (-11.0 \text { to }-7.1) \end{gathered}$ | $\begin{gathered} 27535 \\ (23270 \text { to } 31 \\ 894) \\ \hline \end{gathered}$ | $\begin{gathered} -18.7 \\ (-33.2 \text { to }-2.6) \end{gathered}$ |
| Puerto Rico | $\begin{gathered} 1041 \\ \text { (933 to } 1 \text { 158) } \end{gathered}$ | $\begin{gathered} 10.5 \\ (-2.2 \text { to } 23.9) \end{gathered}$ | $\begin{gathered} 1899 \\ (1712 \text { to } 2 \\ 090) \\ \hline \end{gathered}$ | $\begin{gathered} 4.0 \\ (2.0 \text { to } 5.9) \end{gathered}$ | $\begin{gathered} 17429 \\ (15650 \text { to } 19 \\ 276) \\ \hline \end{gathered}$ | $\begin{gathered} -6.8 \\ (-17.6 \text { to } 5.0) \end{gathered}$ |
| Saint Lucia | $\begin{gathered} 68 \\ \text { (61 to 74) } \end{gathered}$ | $\begin{gathered} -36.5 \\ (-43.1 \text { to }-29.6) \end{gathered}$ | $\begin{gathered} 89 \\ \text { (81 to 98) } \end{gathered}$ | $\begin{gathered} -21.3 \\ (-22.8 \text { to }-19.7) \end{gathered}$ | $\begin{gathered} 1396 \\ (1274 \text { to } 1516) \end{gathered}$ | $\begin{gathered} -39.9 \\ (-46.2 \text { to }-33.7) \end{gathered}$ |
| Saint Vincent and the Grenadines | $\begin{gathered} 50 \\ (45 \text { to } 55) \end{gathered}$ | $\begin{gathered} 2.6 \\ (-10.3 \text { to } 16.2) \end{gathered}$ | $\begin{gathered} 54 \\ (49 \text { to } 59) \end{gathered}$ | $\begin{gathered} -3.0 \\ (-4.8 \text { to }-1.3) \end{gathered}$ | $\begin{gathered} 1082 \\ \text { ( } 976 \text { to } 1 \text { 188) } \end{gathered}$ | $\begin{gathered} -6.2 \\ (-17.5 \text { to } 5.7) \end{gathered}$ |
| Suriname | $\begin{gathered} 293 \\ (265 \text { to } 321) \end{gathered}$ | $\begin{gathered} 22.7 \\ (10.2 \text { to } 36.8) \end{gathered}$ | $\begin{gathered} 294 \\ (268 \text { to } 324) \end{gathered}$ | $\begin{gathered} -3.1 \\ (-4.9 \text { to }-1.3) \end{gathered}$ | $\begin{gathered} 6668 \\ (6055 \text { to } 7298) \end{gathered}$ | $\begin{gathered} 3.2 \\ (-7.6 \text { to } 15.1) \end{gathered}$ |
| Trinidad and Tobago | $\begin{gathered} 544 \\ (494 \text { to } 599) \end{gathered}$ | $\begin{gathered} -30.8 \\ (-37.9 \text { to }-22.8) \end{gathered}$ | $\begin{gathered} 718 \\ (649 \text { to } 791) \end{gathered}$ | $\begin{gathered} -21.0 \\ (-22.7 \text { to }-19.5) \end{gathered}$ | $\begin{gathered} 11591 \\ (10493 \text { to } 12 \\ 741) \\ \hline \end{gathered}$ | $\begin{gathered} -36.4 \\ (-42.9 \text { to }-28.9) \end{gathered}$ |


| Virgin Islands | $\begin{gathered} 53 \\ (46 \text { to } 61) \end{gathered}$ | $\begin{gathered} -19.9 \\ (-32.3 \text { to }-5.7) \end{gathered}$ | $\begin{gathered} 73 \\ \text { (66 to 82) } \end{gathered}$ | $\begin{gathered} -12.8 \\ (-14.5 \text { to }-11.2) \end{gathered}$ | $\begin{gathered} 958 \\ \text { (819 to } 1094 \text { ) } \end{gathered}$ | $\begin{gathered} -28.4 \\ (-39.5 \text { to }-15.8) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tropical Latin America | $\begin{gathered} 43838 \\ (41676 \text { to } 45 \\ 854) \\ \hline \end{gathered}$ | $\begin{gathered} -49.9 \\ (-52.1 \text { to }-47.7) \end{gathered}$ | $\begin{gathered} 76724 \\ (69439 \text { to } 84 \\ 297) \\ \hline \end{gathered}$ | $\begin{gathered} -27.6 \\ (-28.7 \text { to }-26.6) \end{gathered}$ | $\begin{gathered} 1169071 \\ (1115344 \text { to } 1 \\ 221059) \\ \hline \end{gathered}$ | $\begin{gathered} -53.9 \\ (-55.8 \text { to }-51.9) \end{gathered}$ |
| Brazil | $\begin{gathered} 41386 \\ \text { (39 281 to } 43 \\ 382) \\ \hline \end{gathered}$ | $\begin{gathered} -51.0 \\ (-53.2 \text { to }-48.8) \end{gathered}$ | $\begin{gathered} \hline 73852 \\ (66806 \text { to } 81 \\ 171) \\ \hline \end{gathered}$ | $\begin{gathered} -27.8 \\ (-28.9 \text { to }-26.7) \end{gathered}$ | $\begin{gathered} 1114697 \\ (1061996 \text { to } 1 \\ 166155) \\ \hline \end{gathered}$ | $\begin{gathered} -54.8 \\ (-56.7 \text { to }-52.8) \end{gathered}$ |
| Paraguay | $\begin{gathered} 2452 \\ (2146 \text { to } 2773) \end{gathered}$ | $\begin{gathered} -12.5 \\ (-24.1 \text { to } 0.7) \end{gathered}$ | $\begin{gathered} 2871 \\ (2614 \text { to } 3 \\ 153) \\ \hline \end{gathered}$ | $\begin{gathered} -16.4 \\ (-18.2 \text { to }-14.6) \end{gathered}$ | $\begin{gathered} 54374 \\ (48577 \text { to } 61 \\ 108) \\ \hline \end{gathered}$ | $\begin{gathered} -17.2 \\ (-27.8 \text { to }-4.9) \end{gathered}$ |
| East Asia | $\begin{gathered} 1099808 \\ (1060910 \text { to } 1 \\ 141084) \end{gathered}$ | $\begin{gathered} -51.9 \\ (-57.3 \text { to }-47.9) \end{gathered}$ | $\begin{gathered} 1767939 \\ (1616849 \text { to } \\ 1939605) \\ \hline \end{gathered}$ | $\begin{gathered} -14.6 \\ (-15.8 \text { to }-13.2) \end{gathered}$ | $\begin{gathered} 23267943 \\ \text { (22 } 477274 \text { to } \\ 24100845 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -51.7 \\ (-56.7 \text { to }-48.0) \end{gathered}$ |
| China | $\begin{gathered} 1061467 \\ (1023168 \text { to } 1 \\ 101973) \\ \hline \end{gathered}$ | $\begin{gathered} -52.4 \\ (-57.9 \text { to }-48.4) \end{gathered}$ | $\begin{gathered} 1727057 \\ (1579068 \text { to } \\ 1894941) \\ \hline \end{gathered}$ | $\begin{gathered} -14.4 \\ (-15.7 \text { to -13.1) } \end{gathered}$ | $\begin{gathered} 22407649 \\ (21645283 \text { to } \\ 23221152) \\ \hline \end{gathered}$ | $\begin{gathered} -52.5 \\ (-57.4 \text { to }-48.7) \end{gathered}$ |
| North Korea | 31305 (27451 to 35 $612)$ | $\begin{gathered} 27.1 \\ (7.7 \text { to } 51.1) \end{gathered}$ | $\begin{gathered} 26847 \\ (24417 \text { to } 29 \\ 618) \\ \hline \end{gathered}$ | $\begin{gathered} 10.9 \\ \text { (8.8 to } 13.0 \text { ) } \end{gathered}$ | $\begin{gathered} 708781 \\ (620583 \text { to } 799 \\ 742) \\ \hline \end{gathered}$ | $\begin{gathered} 31.4 \\ (11.5 \text { to } 54.8) \end{gathered}$ |
| Taiwan (Province of China) | $\begin{gathered} 7037 \\ \text { (5971 to } 8098 \text { ) } \end{gathered}$ | $\begin{gathered} -68.4 \\ (-73.2 \text { to }-62.9) \end{gathered}$ | $\begin{gathered} 14035 \\ (12621 \text { to } 15 \\ 516) \\ \hline \end{gathered}$ | $\begin{gathered} -39.9 \\ (-41.3 \text { to }-38.6) \end{gathered}$ | $\begin{gathered} 151512 \\ \text { (129 205 to } 174 \\ 985) \\ \hline \end{gathered}$ | $\begin{gathered} -65.7 \\ (-70.9 \text { to }-60.2) \end{gathered}$ |
| Southeast Asia | $\begin{gathered} \hline 331402 \\ \text { (314980 to } 347 \\ 885) \\ \hline \end{gathered}$ | $\begin{gathered} -21.9 \\ (-27.8 \text { to }-15.3) \end{gathered}$ | $\begin{gathered} 312080 \\ (284279 \text { to } \\ 342274) \\ \hline \end{gathered}$ | $\begin{gathered} -15.3 \\ (-16.3 \text { to }-14.2) \end{gathered}$ | $\begin{gathered} 8230360 \\ (7841393 \text { to } 8 \\ 612603) \\ \hline \end{gathered}$ | $\begin{gathered} -21.1 \\ (-26.8 \text { to }-15.4) \end{gathered}$ |
| Cambodia | $\begin{gathered} 7887 \\ (7067 \text { to } 8721) \end{gathered}$ | $\begin{gathered} -28.2 \\ (-39.6 \text { to }-10.2) \end{gathered}$ | $\begin{gathered} 6164 \\ (5613 \text { to } 6 \\ 785) \\ \hline \end{gathered}$ | $\begin{gathered} -23.2 \\ (-24.6 \text { to }-21.8) \end{gathered}$ | $\begin{gathered} 197129 \\ (176422 \text { to } 219 \\ 008) \\ \hline \end{gathered}$ | $\begin{gathered} -31.9 \\ (-43.0 \text { to }-17.5) \end{gathered}$ |
| Indonesia | $\begin{gathered} 142688 \\ (133365 \text { to } 152 \\ 970) \\ \hline \end{gathered}$ | $\begin{gathered} 6.3 \\ (-4.4 \text { to } 19.1) \end{gathered}$ | $\begin{gathered} 127135 \\ (115332 \text { to } \\ 139666) \\ \hline \end{gathered}$ | $\begin{gathered} 3.2 \\ (1.9 \text { to } 4.5) \end{gathered}$ | $\begin{gathered} 3693542 \\ (3476360 \text { to } 3 \\ 925592) \end{gathered}$ | $\begin{gathered} 4.6 \\ (-4.6 \text { to } 14.4) \end{gathered}$ |
| Laos | $\begin{gathered} 3124 \\ (2690 \text { to } 3492) \end{gathered}$ | $\begin{gathered} -31.9 \\ (-41.3 \text { to }-18.5) \end{gathered}$ | $\begin{gathered} 2533 \\ (2289 \text { to } 2 \\ 782) \\ \hline \end{gathered}$ | $\begin{gathered} -22.9 \\ (-24.3 \text { to }-21.6) \end{gathered}$ | $\begin{gathered} 90235 \\ \text { (77 191 to } 103 \\ 025) \\ \hline \end{gathered}$ | $\begin{gathered} -36.0 \\ (-45.5 \text { to }-25.3) \end{gathered}$ |
| Malaysia | $\begin{gathered} 9599 \\ (8713 \text { to } 10 \\ 540) \\ \hline \end{gathered}$ | $\begin{gathered} -46.9 \\ (-53.1 \text { to }-40.3) \end{gathered}$ | $\begin{gathered} 12360 \\ (11172 \text { to } 13 \\ 595) \\ \hline \end{gathered}$ | $\begin{gathered} -26.8 \\ (-28.2 \text { to }-25.3) \end{gathered}$ | $\begin{gathered} 228722 \\ (207772 \text { to } 250 \\ 134) \\ \hline \end{gathered}$ | $\begin{gathered} -49.1 \\ (-54.6 \text { to }-43.4) \end{gathered}$ |
| Maldives | $\begin{gathered} 54 \\ (43 \text { to } 67) \end{gathered}$ | $\begin{gathered} -65.3 \\ (-73.6 \text { to }-55.1) \end{gathered}$ | $\begin{gathered} 94 \\ (84 \text { to } 104) \end{gathered}$ | $\begin{gathered} -36.9 \\ (-38.4 \text { to }-35.3) \end{gathered}$ | $\begin{gathered} 1241 \\ (1003 \text { to } 1530) \end{gathered}$ | $\begin{gathered} -70.0 \\ (-78.4 \text { to }-61.0) \end{gathered}$ |
| Mauritius | $\begin{gathered} 549 \\ (476 \text { to } 625) \end{gathered}$ | $\begin{gathered} -62.2 \\ (-67.5 \text { to }-57.0) \end{gathered}$ | $\begin{gathered} 688 \\ \text { (621 to 762) } \end{gathered}$ | $\begin{gathered} -45.2 \\ (-46.3 \text { to }-43.9) \end{gathered}$ | $\begin{gathered} 12187 \\ (10559 \text { to } 13 \\ 947) \end{gathered}$ | $\begin{gathered} -62.8 \\ (-68.1 \text { to }-57.3) \end{gathered}$ |


| Myanmar | $\begin{gathered} 26256 \\ (23237 \text { to } 29 \\ 810) \end{gathered}$ | $\begin{gathered} -40.2 \\ (-48.9 \text { to }-29.5) \end{gathered}$ | $\begin{gathered} 24087 \\ \text { (21 } 756 \text { to } 26 \\ 559) \\ \hline \end{gathered}$ | $\begin{gathered} -28.1 \\ (-29.5 \text { to }-26.7) \end{gathered}$ | $\begin{gathered} 645862 \\ \text { (568 991 to } 745 \\ 880) \\ \hline \end{gathered}$ | $\begin{gathered} -42.5 \\ (-51.5 \text { to }-31.8) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Philippines | $\begin{gathered} 49026 \\ (42645 \text { to } 56 \\ 041) \\ \hline \end{gathered}$ | $\begin{gathered} 22.4 \\ (6.7 \text { to } 40.9) \end{gathered}$ | $\begin{gathered} 43301 \\ (39274 \text { to } 47 \\ 733) \\ \hline \end{gathered}$ | $\begin{gathered} 11.4 \\ (9.1 \text { to } 13.5) \end{gathered}$ | $\begin{gathered} 1333884 \\ (1155697 \text { to } 1 \\ 526225) \\ \hline \end{gathered}$ | $\begin{gathered} 18.1 \\ (2.1 \text { to } 36.2) \end{gathered}$ |
| Sri Lanka | $\begin{gathered} 4807 \\ (3874 \text { to } 5935) \end{gathered}$ | $\begin{gathered} -29.9 \\ (-45.1 \text { to }-11.7) \end{gathered}$ | $\begin{gathered} 8301 \\ (7389 \text { to } 9 \\ 244) \\ \hline \end{gathered}$ | $\begin{gathered} -8.1 \\ (-10.0 \text { to }-6.1) \end{gathered}$ | $\begin{gathered} \hline 106187 \\ (85734 \text { to } 130 \\ 863) \\ \hline \end{gathered}$ | $\begin{gathered} -24.7 \\ (-41.8 \text { to }-5.0) \end{gathered}$ |
| Seychelles | $\begin{gathered} 30 \\ (26 \text { to } 35) \end{gathered}$ | $\begin{gathered} -39.7 \\ (-49.1 \text { to }-28.9) \end{gathered}$ | $\begin{gathered} 43 \\ (39 \text { to } 48) \end{gathered}$ | $\begin{gathered} -19.4 \\ (-21.1 \text { to }-17.7) \end{gathered}$ | $\begin{gathered} 733 \\ (627 \text { to } 860) \end{gathered}$ | $\begin{gathered} -41.6 \\ (-51.9 \text { to }-30.2) \end{gathered}$ |
| Thailand | $\begin{gathered} 24577 \\ (21909 \text { to } 27 \\ 598) \\ \hline \end{gathered}$ | $\begin{gathered} -53.7 \\ (-59.6 \text { to }-47.2) \end{gathered}$ | $\begin{gathered} 35185 \\ (31679 \text { to } 38 \\ 668) \\ \hline \end{gathered}$ | $\begin{gathered} -33.2 \\ (-34.5 \text { to }-32.1) \end{gathered}$ | 598135 (525 330 to 676 $529)$ | $\begin{gathered} -49.6 \\ (-56.3 \text { to }-42.3) \end{gathered}$ |
| Timor-Leste | $\begin{gathered} 392 \\ (299 \text { to } 509) \end{gathered}$ | $\begin{gathered} -35.3 \\ (-51.5 \text { to }-8.4) \end{gathered}$ | $\begin{gathered} 378 \\ (336 \text { to } 424) \end{gathered}$ | $\begin{gathered} -20.6 \\ (-22.2 \text { to }-18.8) \end{gathered}$ | $\begin{gathered} 9373 \\ (6822 \text { to } 12 \\ 257) \\ \hline \end{gathered}$ | $\begin{gathered} -40.2 \\ (-56.5 \text { to }-18.3) \end{gathered}$ |
| Vietnam | $\begin{gathered} 62413 \\ (55228 \text { to } 70 \\ 138) \\ \hline \end{gathered}$ | $\begin{gathered} -35.2 \\ (-46.0 \text { to }-20.8) \end{gathered}$ | $\begin{gathered} 51194 \\ (46491 \text { to } 56 \\ 378) \\ \hline \end{gathered}$ | $\begin{gathered} -29.8 \\ (-31.1 \text { to }-28.5) \end{gathered}$ | $\begin{gathered} 1312693 \\ (1142609 \text { to } 1 \\ 511735) \\ \hline \end{gathered}$ | $\begin{gathered} -37.6 \\ (-49.0 \text { to }-23.8) \end{gathered}$ |
| Oceania | $\begin{gathered} 6039 \\ \text { (5071 to } 7076 \text { ) } \end{gathered}$ | $\begin{gathered} -19.9 \\ (-31.2 \text { to }-6.8) \end{gathered}$ | $\begin{gathered} \hline 5019 \\ (4568 \text { to } 5 \\ 504) \\ \hline \end{gathered}$ | $\begin{gathered} -13.7 \\ (-14.9 \text { to }-12.5) \end{gathered}$ | $\begin{gathered} \hline 199832 \\ (167249 \text { to } 237 \\ 618) \end{gathered}$ | $\begin{gathered} -18.6 \\ (-31.4 \text { to }-4.1) \end{gathered}$ |
| American Samoa | $\begin{gathered} 19 \\ (16 \text { to } 23) \end{gathered}$ | $\begin{gathered} -32.9 \\ (-44.5 \text { to }-19.7) \end{gathered}$ | $\begin{gathered} 28 \\ (25 \text { to } 31) \end{gathered}$ | $\begin{gathered} -17.7 \\ (-19.4 \text { to }-16.1) \end{gathered}$ | $\begin{gathered} 576 \\ (479 \text { to } 684) \end{gathered}$ | $\begin{gathered} -34.7 \\ (-46.6 \text { to }-20.6) \end{gathered}$ |
| Federated States of Micronesia | $\begin{gathered} 65 \\ (51 \text { to } 84) \end{gathered}$ | $\begin{gathered} -16.4 \\ (-34.5 \text { to } 6.5) \end{gathered}$ | $\begin{gathered} 48 \\ (43 \text { to } 53) \end{gathered}$ | $\begin{gathered} -14.2 \\ (-15.9 \text { to }-12.6) \end{gathered}$ | $\begin{gathered} 1777 \\ (1367 \text { to } 2 \text { 287) } \end{gathered}$ | $\begin{gathered} -16.9 \\ (-37.7 \text { to } 8.0) \end{gathered}$ |
| Fiji | $\begin{gathered} 362 \\ (283 \text { to } 456) \end{gathered}$ | $\begin{gathered} -23.0 \\ (-42.4 \text { to } 4.4) \end{gathered}$ | $\begin{gathered} 415 \\ (370 \text { to } 463) \end{gathered}$ | $\begin{gathered} -12.1 \\ (-14.0 \text { to }-10.2) \end{gathered}$ | $\begin{gathered} 10033 \\ (7832 \text { to } 12 \\ 594) \\ \hline \end{gathered}$ | $\begin{gathered} -22.3 \\ (-43.6 \text { to } 6.0) \end{gathered}$ |
| Guam | $\begin{gathered} 65 \\ (57 \text { to } 75) \end{gathered}$ | $\begin{gathered} -8.7 \\ (-24.3 \text { to } 8.9) \end{gathered}$ | $\begin{gathered} 100 \\ (90 \text { to 111) } \end{gathered}$ | $\begin{gathered} 1.4 \\ (-0.5 \text { to } 3.2) \end{gathered}$ | $\begin{gathered} 1620 \\ (1396 \text { to } 1876) \end{gathered}$ | $\begin{gathered} -5.3 \\ (-21.6 \text { to } 12.9) \end{gathered}$ |
| Kiribati | $\begin{gathered} 71 \\ (61 \text { to } 82) \end{gathered}$ | $\begin{gathered} -14.0 \\ (-26.9 \text { to } 1.3) \end{gathered}$ | $\begin{gathered} 52 \\ (47 \text { to } 57) \end{gathered}$ | $\begin{gathered} -14.2 \\ (-15.8 \text { to }-12.4) \end{gathered}$ | $\begin{gathered} 2295 \\ (1964 \text { to } 2674) \end{gathered}$ | $\begin{gathered} -13.3 \\ (-26.9 \text { to } 3.1) \end{gathered}$ |
| Marshall Islands | $\begin{gathered} 29 \\ (24 \text { to } 35) \end{gathered}$ | $\begin{gathered} -17.1 \\ (-30.3 \text { to }-2.0) \end{gathered}$ | $\begin{gathered} 27 \\ (24 \text { to } 29) \end{gathered}$ | $\begin{gathered} -11.4 \\ (-13.0 \text { to }-9.8) \end{gathered}$ | $\begin{gathered} 947 \\ (775 \text { to } 1 \text { 134) } \end{gathered}$ | $\begin{gathered} -15.5 \\ (-30.0 \text { to } 0.8) \end{gathered}$ |
| Northern Mariana Islands | $\begin{gathered} 19 \\ (16 \text { to } 24) \end{gathered}$ | $\begin{gathered} -35.1 \\ (-48.7 \text { to }-16.6) \end{gathered}$ | $\begin{gathered} 31 \\ (28 \text { to } 35) \end{gathered}$ | $\begin{gathered} -19.2 \\ (-20.8 \text { to }-17.7) \end{gathered}$ | $\begin{gathered} 681 \\ (540 \text { to } 837) \end{gathered}$ | $\begin{gathered} -34.2 \\ (-49.9 \text { to }-15.4) \end{gathered}$ |
| Papua New Guinea | $\begin{gathered} 4705 \\ (3748 \text { to } 5731) \end{gathered}$ | $\begin{gathered} -19.2 \\ (-33.5 \text { to }-1.1) \end{gathered}$ | $\begin{gathered} 3243 \\ (2941 \text { to } 3 \\ 557) \\ \hline \end{gathered}$ | $\begin{gathered} -14.8 \\ (-16.2 \text { to }-13.3) \end{gathered}$ | $\begin{gathered} 160764 \\ (128950 \text { to } 197 \\ 513) \\ \hline \end{gathered}$ | $\begin{gathered} -20.4 \\ (-35.6 \text { to }-2.2) \end{gathered}$ |


| Samoa | $\begin{gathered} 88 \\ \text { (71 to 105) } \end{gathered}$ | $\begin{gathered} -28.0 \\ (-40.8 \text { to }-14.8) \end{gathered}$ | $\begin{gathered} 91 \\ (82 \text { to 100) } \end{gathered}$ | $\begin{gathered} -16.0 \\ (-17.6 \text { to }-14.3) \end{gathered}$ | $\begin{gathered} 2113 \\ (1708 \text { to } 2526) \end{gathered}$ | $\begin{gathered} -29.9 \\ (-42.6 \text { to }-16.9) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Solomon Islands | $\begin{gathered} 393 \\ (324 \text { to } 482) \end{gathered}$ | $\begin{gathered} -12.2 \\ (-26.2 \text { to } 7.3) \end{gathered}$ | $\begin{gathered} 257 \\ (233 \text { to } 281) \end{gathered}$ | $\begin{gathered} -12.5 \\ (-14.1 \text { to }-10.9) \end{gathered}$ | $\begin{gathered} 12118 \\ (9863 \text { to } 15 \\ 031) \\ \hline \end{gathered}$ | $\begin{gathered} -11.6 \\ (-27.9 \text { to } 10.5) \end{gathered}$ |
| Tonga | $\begin{gathered} 34 \\ (29 \text { to } 39) \end{gathered}$ | $\begin{gathered} -21.2 \\ (-35.8 \text { to }-2.7) \end{gathered}$ | $\begin{gathered} 42 \\ (38 \text { to } 46) \end{gathered}$ | $\begin{gathered} -8.8 \\ (-10.3 \text { to }-7.1) \end{gathered}$ | $\begin{gathered} 796 \\ (671 \text { to } 920) \end{gathered}$ | $\begin{gathered} -22.2 \\ (-37.3 \text { to }-4.6) \end{gathered}$ |
| Vanuatu | $\begin{gathered} 188 \\ (152 \text { to } 234) \end{gathered}$ | $\begin{gathered} -12.1 \\ (-27.8 \text { to } 6.8) \end{gathered}$ | $\begin{gathered} 138 \\ (125 \text { to } 151) \end{gathered}$ | $\begin{gathered} -13.1 \\ (-14.6 \text { to }-11.6) \end{gathered}$ | $\begin{gathered} 5774 \\ (4649 \text { to } 7251) \end{gathered}$ | $\begin{gathered} -11.2 \\ (-29.2 \text { to } 10.2) \end{gathered}$ |
| North Africa and Middle East | $\begin{gathered} 101824 \\ \text { (92 } 222 \text { to } 112 \\ 158) \end{gathered}$ | $\begin{gathered} -28.3 \\ (-33.5 \text { to }-22.0) \end{gathered}$ | $\begin{gathered} 146502 \\ (132330 \text { to } \\ 161357) \end{gathered}$ | $\begin{gathered} -13.7 \\ (-14.8 \text { to }-12.6) \end{gathered}$ | $\begin{gathered} 2808514 \\ (2573765 \text { to } 3 \\ 098537) \end{gathered}$ | $\begin{gathered} -33.3 \\ (-37.9 \text { to }-28.1) \end{gathered}$ |
| Afghanistan | $\begin{gathered} 13108 \\ (10862 \text { to } 15 \\ 845) \\ \hline \end{gathered}$ | $\begin{gathered} -1.0 \\ (-14.2 \text { to } 14.7) \end{gathered}$ | $\begin{gathered} 8422 \\ (7617 \text { to } 9 \\ 301) \\ \hline \end{gathered}$ | $\begin{gathered} -11.4 \\ (-12.9 \text { to }-9.8) \end{gathered}$ | $\begin{gathered} 412503 \\ (334089 \text { to } 510 \\ 326) \\ \hline \end{gathered}$ | $\begin{gathered} -3.4 \\ (-16.9 \text { to } 11.5) \end{gathered}$ |
| Algeria | $\begin{gathered} 6959 \\ (5729 \text { to } 8312) \end{gathered}$ | $\begin{gathered} -36.7 \\ (-45.3 \text { to }-26.6) \end{gathered}$ | $\begin{gathered} 11290 \\ (10164 \text { to } 12 \\ 515) \\ \hline \end{gathered}$ | $\begin{gathered} -21.0 \\ (-22.5 \text { to }-19.5) \end{gathered}$ | $\begin{gathered} 158399 \\ (131940 \text { to } 191 \\ 644) \\ \hline \end{gathered}$ | $\begin{gathered} -45.0 \\ (-53.1 \text { to }-35.6) \end{gathered}$ |
| Bahrain | $\begin{gathered} 67 \\ \text { (54 to } 82 \text { ) } \end{gathered}$ | $\begin{gathered} -63.4 \\ (-70.7 \text { to }-54.1) \end{gathered}$ | $\begin{gathered} 220 \\ (193 \text { to } 251) \end{gathered}$ | $\begin{gathered} -32.3 \\ (-33.7 \text { to }-30.9) \end{gathered}$ | $\begin{gathered} 2053 \\ (1682 \text { to } 2539) \end{gathered}$ | $\begin{gathered} -65.7 \\ (-72.6 \text { to }-57.0) \end{gathered}$ |
| Egypt | $\begin{gathered} 21210 \\ (17430 \text { to } 25 \\ 333) \\ \hline \end{gathered}$ | $\begin{gathered} -30.0 \\ (-40.6 \text { to }-16.7) \end{gathered}$ | $\begin{gathered} 27273 \\ (24484 \text { to } 30 \\ 257) \\ \hline \end{gathered}$ | $\begin{gathered} -11.2 \\ (-12.9 \text { to }-9.6) \end{gathered}$ | $\begin{gathered} 552204 \\ (456233 \text { to } 657 \\ 727) \\ \hline \end{gathered}$ | $\begin{gathered} -31.7 \\ (-41.8 \text { to }-19.7) \end{gathered}$ |
| Iran | $\begin{gathered} 6287 \\ (5285 \text { to } 7466) \end{gathered}$ | $\begin{gathered} -28.5 \\ (-45.0 \text { to }-6.0) \end{gathered}$ | $\begin{gathered} \hline 15315 \\ (13568 \text { to } 17 \\ 077) \\ \hline \end{gathered}$ | $\begin{gathered} -5.7 \\ (-7.3 \text { to }-4.1) \end{gathered}$ | $\begin{gathered} 171103 \\ (143217 \text { to } 203 \\ 563) \end{gathered}$ | $\begin{gathered} -30.8 \\ (-47.2 \text { to }-9.0) \end{gathered}$ |
| Iraq | $\begin{gathered} 8435 \\ (6874 \text { to } 10 \\ 226) \\ \hline \end{gathered}$ | $\begin{gathered} -17.3 \\ (-36.1 \text { to } 2.8) \end{gathered}$ | $\begin{gathered} 9107 \\ (8188 \text { to } 10 \\ 000) \\ \hline \end{gathered}$ | $\begin{gathered} -14.9 \\ (-16.6 \text { to }-13.2) \end{gathered}$ | 258093 (205 776 to 318 386 ) | $\begin{gathered} -20.2 \\ (-39.8 \text { to } 0.3) \end{gathered}$ |
| Jordan | $\begin{gathered} 565 \\ (439 \text { to } 724) \end{gathered}$ | $\begin{gathered} -46.9 \\ (-59.2 \text { to }-30.4) \end{gathered}$ | $\begin{gathered} 1364 \\ (1218 \text { to } 1 \\ 515) \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-19.4 \text { to }-16.1) \end{gathered}$ | $\begin{gathered} 14648 \\ (11478 \text { to } 18 \\ 784) \\ \hline \end{gathered}$ | $\begin{gathered} -49.4 \\ (-62.2 \text { to }-33.3) \end{gathered}$ |
| Kuwait | $\begin{gathered} 165 \\ (123 \text { to } 219) \end{gathered}$ | $\begin{gathered} -10.8 \\ (-34.3 \text { to } 18.4) \end{gathered}$ | $\begin{gathered} 618 \\ (535 \text { to } 702) \end{gathered}$ | $\begin{gathered} 7.2 \\ (4.8 \text { to } 9.5) \end{gathered}$ | $\begin{gathered} 6108 \\ (4657 \text { to } 7 \text { 947) } \end{gathered}$ | $\begin{gathered} -9.1 \\ (-32.3 \text { to } 17.6) \end{gathered}$ |
| Lebanon | $\begin{gathered} 426 \\ (315 \text { to } 572) \end{gathered}$ | $\begin{gathered} -71.6 \\ (-79.5 \text { to }-60.4) \end{gathered}$ | $\begin{gathered} 1490 \\ (1314 \text { to } 1 \\ 674) \\ \hline \end{gathered}$ | $\begin{gathered} -30.4 \\ (-32.0 \text { to }-28.8) \end{gathered}$ | $\begin{gathered} 9918 \\ (7799 \text { to } 12 \\ 589) \\ \hline \end{gathered}$ | $\begin{gathered} -74.6 \\ (-81.5 \text { to }-66.1) \end{gathered}$ |
| Libya | $\begin{gathered} 823 \\ (658 \text { to } 1022) \end{gathered}$ | $\begin{gathered} -25.5 \\ (-38.1 \text { to }-10.8) \end{gathered}$ | $\begin{gathered} 1646 \\ (1478 \text { to } 1 \\ 826) \\ \hline \end{gathered}$ | $\begin{gathered} -4.6 \\ (-6.5 \text { to }-2.6) \end{gathered}$ | $\begin{gathered} 24535 \\ (20063 \text { to } 29 \\ 940) \end{gathered}$ | $\begin{gathered} -45.1 \\ (-60.5 \text { to }-30.7) \end{gathered}$ |
| Morocco | $\begin{gathered} 6667 \\ (5042 \text { to } 8515) \end{gathered}$ | $\begin{gathered} -31.4 \\ (-41.5 \text { to }-13.9) \end{gathered}$ | $\begin{gathered} 10752 \\ (9680 \text { to } 11 \\ 945) \end{gathered}$ | $\begin{gathered} -13.1 \\ (-14.7 \text { to }-11.5) \end{gathered}$ | $\begin{gathered} 157201 \\ (121879 \text { to } 201 \\ 933) \end{gathered}$ | $\begin{gathered} -39.0 \\ (-47.4 \text { to }-29.1) \end{gathered}$ |


| Palestine | $\begin{gathered} 801 \\ (734 \text { to } 876) \end{gathered}$ | $\begin{gathered} -52.6 \\ (-59.6 \text { to }-43.9) \end{gathered}$ | $\begin{gathered} 901 \\ (816 \text { to } 995) \end{gathered}$ | $\begin{gathered} -43.1 \\ (-44.4 \text { to }-41.9) \end{gathered}$ | $\begin{gathered} 19017 \\ (17332 \text { to } 21 \\ 250) \\ \hline \end{gathered}$ | $\begin{gathered} -52.5 \\ (-59.9 \text { to }-43.4) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Oman | $\begin{gathered} 644 \\ (570 \text { to } 719) \end{gathered}$ | $\begin{gathered} -49.6 \\ (-60.3 \text { to }-36.7) \end{gathered}$ | $\begin{gathered} 1034 \\ (925 \text { to } 1 \text { 142) } \end{gathered}$ | $\begin{gathered} -26.6 \\ (-28.1 \text { to }-25.2) \end{gathered}$ | $\begin{gathered} 19529 \\ (17245 \text { to } 21 \\ 955) \\ \hline \end{gathered}$ | $\begin{gathered} -63.2 \\ (-72.1 \text { to }-53.4) \end{gathered}$ |
| Qatar | $\begin{gathered} 87 \\ \text { (63 to 117) } \end{gathered}$ | $\begin{gathered} -67.3 \\ (-76.1 \text { to }-55.0) \end{gathered}$ | $\begin{gathered} 336 \\ (291 \text { to } 388) \end{gathered}$ | $\begin{gathered} -33.8 \\ (-35.4 \text { to }-32.3) \end{gathered}$ | $\begin{gathered} 3769 \\ (2844 \text { to } 4929) \end{gathered}$ | $\begin{gathered} -66.5 \\ (-75.5 \text { to }-54.6) \end{gathered}$ |
| Saudi Arabia | $\begin{gathered} 3097 \\ (2775 \text { to } 3452) \end{gathered}$ | $\begin{gathered} -37.0 \\ (-49.0 \text { to }-21.3) \end{gathered}$ | $\begin{gathered} 6335 \\ (5617 \text { to } 7 \\ 062) \\ \hline \end{gathered}$ | $\begin{gathered} -18.6 \\ (-19.6 \text { to }-17.7) \end{gathered}$ | $\begin{gathered} 76034 \\ (68345 \text { to } 84 \\ 885) \\ \hline \end{gathered}$ | $\begin{gathered} -42.0 \\ (-52.5 \text { to }-30.0) \end{gathered}$ |
| Sudan | $\begin{gathered} 7840 \\ (6372 \text { to } 9256) \end{gathered}$ | $\begin{gathered} -33.9 \\ (-41.9 \text { to }-23.8) \end{gathered}$ | $\begin{gathered} 8972 \\ (8089 \text { to } 9 \\ 895) \\ \hline \end{gathered}$ | $\begin{gathered} -19.7 \\ (-21.0 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} \hline 260053 \\ (210699 \text { to } 318 \\ 628) \\ \hline \end{gathered}$ | $\begin{gathered} -39.8 \\ (-47.4 \text { to }-31.7) \end{gathered}$ |
| Syria | $\begin{gathered} 2858 \\ (2558 \text { to } 3 \text { 191) } \end{gathered}$ | $\begin{gathered} -48.3 \\ (-55.7 \text { to }-39.2) \end{gathered}$ | $\begin{gathered} 4210 \\ (3801 \text { to } 4 \\ 633) \\ \hline \end{gathered}$ | $\begin{gathered} -29.1 \\ (-30.5 \text { to }-27.7) \end{gathered}$ | $\begin{gathered} 90507 \\ (81007 \text { to } 101 \\ 569) \\ \hline \end{gathered}$ | $\begin{gathered} -54.8 \\ (-61.8 \text { to }-47.5) \end{gathered}$ |
| Tunisia | $\begin{gathered} 2379 \\ (1831 \text { to } 3032) \end{gathered}$ | $\begin{gathered} -35.8 \\ (-48.7 \text { to }-20.7) \end{gathered}$ | $\begin{gathered} 3946 \\ (3537 \text { to } 4 \\ 411) \\ \hline \end{gathered}$ | $\begin{gathered} -16.1 \\ (-17.9 \text { to }-14.3) \end{gathered}$ | $\begin{gathered} 48882 \\ (38232 \text { to } 62 \\ 399) \\ \hline \end{gathered}$ | $\begin{gathered} -42.3 \\ (-53.7 \text { to }-29.3) \end{gathered}$ |
| Turkey | $\begin{gathered} \hline 11944 \\ (10010 \text { to } 14 \\ 153) \\ \hline \end{gathered}$ | $\begin{gathered} -23.9 \\ (-38.3 \text { to }-5.5) \end{gathered}$ | $\begin{gathered} 25194 \\ (22616 \text { to } 27 \\ 944) \\ \hline \end{gathered}$ | $\begin{gathered} -8.6 \\ (-10.5 \text { to }-6.7) \end{gathered}$ | $\begin{gathered} 275805 \\ (234292 \text { to } 326 \\ 061) \\ \hline \end{gathered}$ | $\begin{gathered} -37.1 \\ (-49.9 \text { to }-23.1) \end{gathered}$ |
| United Arab Emirates | $\begin{gathered} 1342 \\ (1020 \text { to } 1746) \end{gathered}$ | $\begin{gathered} -30.3 \\ (-49.3 \text { to }-3.7) \end{gathered}$ | $\begin{gathered} 2123 \\ (1860 \text { to } 2 \\ 406) \\ \hline \end{gathered}$ | $\begin{gathered} -22.8 \\ (-24.2 \text { to }-21.3) \end{gathered}$ | 52135 (39 726 to 68 $346)$ | $\begin{gathered} -30.4 \\ (-50.6 \text { to }-4.3) \end{gathered}$ |
| Yemen | $\begin{gathered} 6121 \\ (5037 \text { to } 7217) \end{gathered}$ | $\begin{gathered} -29.9 \\ (-41.3 \text { to }-15.3) \end{gathered}$ | $\begin{gathered} 5817 \\ (5222 \text { to } 6 \\ 412) \\ \hline \end{gathered}$ | $\begin{gathered} -22.1 \\ (-23.6 \text { to }-20.6) \end{gathered}$ | $\begin{gathered} 195929 \\ (159741 \text { to } 234 \\ 952) \\ \hline \end{gathered}$ | $\begin{gathered} -37.4 \\ (-47.4 \text { to }-25.5) \end{gathered}$ |
| South Asia | $\begin{gathered} 461021 \\ (422318 \text { to } 503 \\ 462) \\ \hline \end{gathered}$ | $\begin{gathered} -29.9 \\ (-37.7 \text { to }-23.0) \end{gathered}$ | $\begin{gathered} 468903 \\ (422534 \text { to } \\ 519230) \\ \hline \end{gathered}$ | $\begin{gathered} -16.0 \\ (-17.0 \text { to }-15.0) \end{gathered}$ | $\begin{gathered} 12125315 \\ (11216203 \text { to } \\ 13108598) \\ \hline \end{gathered}$ | $\begin{gathered} -30.3 \\ (-37.0 \text { to }-24.5) \end{gathered}$ |
| Bangladesh | $\begin{gathered} 59799 \\ (50982 \text { to } 68 \\ 907) \\ \hline \end{gathered}$ | $\begin{gathered} -33.0 \\ (-44.1 \text { to }-19.3) \end{gathered}$ | $\begin{gathered} 52581 \\ (47755 \text { to } 57 \\ 499) \\ \hline \end{gathered}$ | $\begin{gathered} -21.6 \\ (-23.2 \text { to }-19.9) \end{gathered}$ | $\begin{gathered} 1616636 \\ (1396376 \text { to } 1 \\ 856714) \\ \hline \end{gathered}$ | $\begin{gathered} -25.9 \\ (-38.2 \text { to }-11.2) \end{gathered}$ |
| Bhutan | $\begin{gathered} 152 \\ (125 \text { to } 185) \end{gathered}$ | $\begin{gathered} -53.9 \\ (-63.0 \text { to }-43.8) \end{gathered}$ | $\begin{gathered} 180 \\ (162 \text { to } 200) \end{gathered}$ | $\begin{gathered} -31.8 \\ (-33.2 \text { to }-30.3) \end{gathered}$ | $\begin{gathered} 3628 \\ (2928 \text { to } 4478) \end{gathered}$ | $\begin{gathered} -55.9 \\ (-65.1 \text { to }-45.8) \end{gathered}$ |
| India | $\begin{gathered} \hline 334688 \\ (302445 \text { to } 372 \\ 243) \\ \hline \end{gathered}$ | $\begin{gathered} -31.5 \\ (-39.1 \text { to }-24.0) \end{gathered}$ | $\begin{gathered} 356177 \\ (320207 \text { to } \\ 395467) \\ \hline \end{gathered}$ | $\begin{gathered} -14.7 \\ (-15.7 \text { to }-13.7) \end{gathered}$ | $\begin{gathered} 8824016 \\ (8072477 \text { to } 9 \\ 677563) \\ \hline \end{gathered}$ | $\begin{gathered} -32.6 \\ (-39.3 \text { to }-25.9) \end{gathered}$ |
| Nepal | $\begin{gathered} 7237 \\ (6183 \text { to } 8374) \end{gathered}$ | $\begin{gathered} -38.7 \\ (-49.8 \text { to }-25.7) \end{gathered}$ | $\begin{gathered} 7853 \\ (7047 \text { to } 8 \\ 719) \\ \hline \end{gathered}$ | $\begin{gathered} -19.5 \\ (-20.8 \text { to }-18.0) \end{gathered}$ | $\begin{gathered} 178310 \\ (152636 \text { to } 205 \\ 223) \end{gathered}$ | $\begin{gathered} -41.4 \\ (-51.9 \text { to }-30.1) \end{gathered}$ |


| Pakistan | $\begin{gathered} 59146 \\ (49838 \text { to } 69 \\ 411) \\ \hline \end{gathered}$ | $\begin{gathered} -19.2 \\ (-34.2 \text { to }-0.4) \end{gathered}$ | $\begin{gathered} 52112 \\ (46736 \text { to } 57 \\ 665) \\ \hline \end{gathered}$ | $\begin{gathered} -20.5 \\ (-22.2 \text { to }-19.0) \end{gathered}$ | $\begin{gathered} 1502725 \\ (1266268 \text { to } 1 \\ 775050) \\ \hline \end{gathered}$ | $\begin{gathered} -20.2 \\ (-35.2 \text { to }-1.9) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Southern sub-Saharan Africa | $\begin{gathered} 19731 \\ (18454 \text { to } 20 \\ 976) \\ \hline \end{gathered}$ | $\begin{gathered} -7.2 \\ (-15.1 \text { to } 2.2) \end{gathered}$ | $\begin{gathered} 20016 \\ (18237 \text { to } 21 \\ 870) \\ \hline \end{gathered}$ | $\begin{gathered} -5.1 \\ (-6.2 \text { to }-4.0) \end{gathered}$ | $\begin{gathered} 516264 \\ (478602 \text { to } 553 \\ 123) \\ \hline \end{gathered}$ | $\begin{gathered} -10.2 \\ (-17.9 \text { to }-1.1) \end{gathered}$ |
| Botswana | $\begin{gathered} 539 \\ (264 \text { to } 777) \end{gathered}$ | $\begin{gathered} -27.3 \\ (-62.4 \text { to } 6.6) \end{gathered}$ | $\begin{gathered} 483 \\ (428 \text { to } 540) \end{gathered}$ | $\begin{gathered} -20.8 \\ (-22.5 \text { to }-19.1) \end{gathered}$ | $\begin{gathered} 13270 \\ (6335 \text { to } 19 \\ 657) \\ \hline \end{gathered}$ | $\begin{gathered} -27.1 \\ (-64.1 \text { to } 9.9) \end{gathered}$ |
| Lesotho | $\begin{gathered} 1115 \\ \text { (817 to } 1456 \text { ) } \end{gathered}$ | $\begin{gathered} 12.7 \\ (-17.6 \text { to } 53.5) \end{gathered}$ | $\begin{gathered} 596 \\ (537 \text { to } 661) \end{gathered}$ | $\begin{gathered} -8.2 \\ (-10.2 \text { to }-6.3) \end{gathered}$ | $\begin{gathered} 25293 \\ (18482 \text { to } 33 \\ 387) \\ \hline \end{gathered}$ | $\begin{gathered} 18.4 \\ (-16.2 \text { to } 61.8) \end{gathered}$ |
| Namibia | $\begin{gathered} 558 \\ (368 \text { to } 739) \end{gathered}$ | $\begin{gathered} -44.1 \\ (-62.3 \text { to }-26.8) \end{gathered}$ | $\begin{gathered} 507 \\ (453 \text { to } 566) \end{gathered}$ | $\begin{gathered} -36.3 \\ (-37.9 \text { to }-34.7) \end{gathered}$ | $\begin{gathered} 12684 \\ (8323 \text { to } 16 \\ 917) \\ \hline \end{gathered}$ | $\begin{gathered} -48.8 \\ (-65.9 \text { to }-32.5) \end{gathered}$ |
| South Africa | $\begin{gathered} 13523 \\ (12673 \text { to } 14 \\ 451) \\ \hline \end{gathered}$ | $\begin{gathered} -8.9 \\ (-16.5 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} \hline 15101 \\ (13733 \text { to } 16 \\ 533) \\ \hline \end{gathered}$ | $\begin{gathered} -7.1 \\ (-8.3 \text { to -6.0) } \end{gathered}$ | $\begin{gathered} 317788 \\ (296655 \text { to } 340 \\ 840) \\ \hline \end{gathered}$ | $\begin{gathered} -19.3 \\ (-26.4 \text { to }-11.7) \end{gathered}$ |
| Swaziland | $\begin{gathered} 342 \\ (221 \text { to } 491) \end{gathered}$ | $\begin{gathered} -25.9 \\ (-48.3 \text { to } 1.4) \end{gathered}$ | $\begin{gathered} 260 \\ (231 \text { to } 291) \end{gathered}$ | $\begin{gathered} -21.9 \\ (-23.6 \text { to }-20.2) \end{gathered}$ | $\begin{gathered} 8160 \\ (5279 \text { to } 11 \\ 776) \\ \hline \end{gathered}$ | $\begin{gathered} -25.8 \\ (-49.9 \text { to } 4.3) \end{gathered}$ |
| Zimbabwe | $\begin{gathered} 3654 \\ (3000 \text { to } 4412) \end{gathered}$ | $\begin{gathered} 11.6 \\ (-17.0 \text { to } 77.3) \end{gathered}$ | $\begin{gathered} 3069 \\ (2793 \text { to } 3 \\ 363) \\ \hline \end{gathered}$ | $\begin{gathered} 18.7 \\ \text { (16.3 to } 21.0 \text { ) } \end{gathered}$ | $\begin{gathered} 139069 \\ (115749 \text { to } 166 \\ 299) \\ \hline \end{gathered}$ | $\begin{gathered} 39.8 \\ (2.2 \text { to } 122.6) \end{gathered}$ |
| Western sub-Saharan Africa | 64450 (58 to 70 $023)$ | $\begin{gathered} -16.8 \\ (-25.5 \text { to }-7.4) \end{gathered}$ | $\begin{gathered} 67770 \\ (61096 \text { to } 74 \\ 667) \\ \hline \end{gathered}$ | $\begin{gathered} -11.2 \\ (-12.4 \text { to }-10.0) \end{gathered}$ | $\begin{gathered} 1978272 \\ (1796108 \text { to } 2 \\ 157207) \\ \hline \end{gathered}$ | $\begin{gathered} -20.0 \\ (-28.4 \text { to }-11.6) \end{gathered}$ |
| Benin | $\begin{gathered} 2528 \\ (2170 \text { to } 2915) \end{gathered}$ | $\begin{gathered} 0.0 \\ (-13.4 \text { to } 16.3) \end{gathered}$ | $\begin{gathered} 2244 \\ (2028 \text { to } 2 \\ 461) \\ \hline \end{gathered}$ | $\begin{gathered} -4.3 \\ (-6.1 \text { to }-2.5) \end{gathered}$ | $\begin{gathered} 75702 \\ (64913 \text { to } 87 \\ 263) \\ \hline \end{gathered}$ | $\begin{gathered} -5.4 \\ (-18.2 \text { to } 9.2) \end{gathered}$ |
| Burkina Faso | $\begin{gathered} 2850 \\ (2411 \text { to } 3329 \text { ) } \end{gathered}$ | $\begin{gathered} 11.6 \\ (-6.4 \text { to } 37.6) \end{gathered}$ | $\begin{gathered} 2870 \\ (2554 \text { to } 3 \\ 177) \\ \hline \end{gathered}$ | $\begin{gathered} 7.1 \\ \text { (5.1 to 9.1) } \end{gathered}$ | $\begin{gathered} 84779 \\ (71725 \text { to } 99 \\ 474) \\ \hline \end{gathered}$ | $\begin{gathered} 4.7 \\ (-12.4 \text { to } 27.3) \end{gathered}$ |
| Cameroon | $\begin{gathered} 5528 \\ (4130 \text { to } 7 \text { 165) } \end{gathered}$ | $\begin{gathered} -1.8 \\ (-25.2 \text { to } 26.3) \end{gathered}$ | $\begin{gathered} 4592 \\ (4135 \text { to } 5 \\ 076) \\ \hline \end{gathered}$ | $\begin{gathered} -7.9 \\ (-9.9 \text { to }-6.1) \end{gathered}$ | $\begin{gathered} 163763 \\ (120979 \text { to } 211 \\ 417) \\ \hline \end{gathered}$ | $\begin{gathered} 1.2 \\ (-24.6 \text { to } 29.0) \end{gathered}$ |
| Cape Verde | $\begin{gathered} 121 \\ (102 \text { to } 140) \end{gathered}$ | $\begin{gathered} -36.9 \\ (-47.3 \text { to }-25.5) \end{gathered}$ | $\begin{gathered} 142 \\ (129 \text { to } 155) \end{gathered}$ | $\begin{gathered} -23.4 \\ (-24.9 \text { to }-21.9) \end{gathered}$ | $\begin{gathered} 2842 \\ (2357 \text { to } 3334) \end{gathered}$ | $\begin{gathered} -41.1 \\ (-51.4 \text { to }-29.2) \end{gathered}$ |
| Chad | $\begin{gathered} 2681 \\ (2223 \text { to } 3 \text { 190) } \end{gathered}$ | $\begin{gathered} -7.2 \\ (-21.8 \text { to } 10.1) \end{gathered}$ | $\begin{gathered} 2473 \\ (2228 \text { to } 2 \\ 725) \\ \hline \end{gathered}$ | $\begin{gathered} -4.5 \\ (-6.4 \text { to }-2.6) \end{gathered}$ | $\begin{gathered} 87638 \\ \text { (72620 to } 104 \\ 963 \text { ) } \\ \hline \end{gathered}$ | $\begin{gathered} -8.9 \\ (-23.3 \text { to } 7.8) \end{gathered}$ |
| Cote d'Ivoire | $\begin{gathered} 7050 \\ (5940 \text { to } 8239) \end{gathered}$ | $\begin{gathered} 2.4 \\ (-12.0 \text { to } 19.1) \end{gathered}$ | $\begin{gathered} 5382 \\ (4852 \text { to } 5 \\ 921) \\ \hline \end{gathered}$ | $\begin{gathered} -8.6 \\ (-10.3 \text { to }-6.9) \end{gathered}$ | $\begin{gathered} 220676 \\ (184566 \text { to } 261 \\ 984) \\ \hline \end{gathered}$ | $\begin{gathered} 0.7 \\ (-14.0 \text { to } 18.5) \end{gathered}$ |


| The Gambia | $\begin{gathered} 298 \\ (251 \text { to } 348) \end{gathered}$ | $\begin{gathered} -7.0 \\ (-23.2 \text { to } 10.6) \end{gathered}$ | $\begin{gathered} 344 \\ (309 \text { to } 380) \end{gathered}$ | $\begin{gathered} -3.2 \\ (-5.0 \text { to }-1.6) \end{gathered}$ | $\begin{gathered} 9057 \\ (7687 \text { to } 10 \\ 498) \\ \hline \end{gathered}$ | $\begin{gathered} -11.0 \\ (-26.3 \text { to } 4.4) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Ghana | $\begin{gathered} 7295 \\ (6217 \text { to } 8426) \end{gathered}$ | $\begin{gathered} -21.4 \\ (-36.1 \text { to }-3.0) \end{gathered}$ | $\begin{gathered} 6365 \\ (5740 \text { to } 6 \\ 996) \\ \hline \end{gathered}$ | $\begin{gathered} -16.5 \\ (-18.0 \text { to }-14.9) \end{gathered}$ | $\begin{gathered} 204005 \\ (175536 \text { to } 234 \\ 599) \\ \hline \end{gathered}$ | $\begin{gathered} -21.5 \\ (-36.3 \text { to }-3.3) \end{gathered}$ |
| Guinea | $\begin{gathered} 3489 \\ (2942 \text { to } 4 \text { 102) } \end{gathered}$ | $\begin{gathered} 8.3 \\ (-10.1 \text { to } 28.4) \end{gathered}$ | $\begin{gathered} 2750 \\ (2477 \text { to } 3 \\ 048) \\ \hline \end{gathered}$ | $\begin{gathered} -1.7 \\ (-3.5 \text { to } 0.1) \end{gathered}$ | $\begin{gathered} 104956 \\ (89128 \text { to } 123 \\ 276) \\ \hline \end{gathered}$ | $\begin{gathered} 2.8 \\ (-14.8 \text { to } 21.7) \end{gathered}$ |
| Guinea-Bissau | $\begin{gathered} 730 \\ (608 \text { to } 865) \end{gathered}$ | $\begin{gathered} -6.7 \\ (-22.1 \text { to } 11.8) \end{gathered}$ | $\begin{gathered} 494 \\ (446 \text { to } 545) \end{gathered}$ | $\begin{gathered} -10.3 \\ (-11.8 \text { to }-8.8) \end{gathered}$ | $\begin{gathered} \hline 22368 \\ (18656 \text { to } 26 \\ 584) \\ \hline \end{gathered}$ | $\begin{gathered} -10.3 \\ (-25.6 \text { to } 7.3) \end{gathered}$ |
| Liberia | $\begin{gathered} 1025 \\ \text { (893 to } 1 \text { 156) } \end{gathered}$ | $\begin{gathered} 2.4 \\ (-11.9 \text { to } 20.2) \end{gathered}$ | $\begin{gathered} 947 \\ \text { (856 to } 1045 \text { ) } \end{gathered}$ | $\begin{gathered} -2.4 \\ (-4.1 \text { to }-0.8) \end{gathered}$ | 29495 (25 831 to 33 $168)$ | $\begin{gathered} -5.3 \\ (-18.9 \text { to } 9.8) \end{gathered}$ |
| Mali | $\begin{gathered} 3256 \\ (2631 \text { to } 3989) \end{gathered}$ | $\begin{gathered} -29.6 \\ (-43.5 \text { to }-11.3) \end{gathered}$ | $\begin{gathered} 3016 \\ (2721 \text { to } 3 \\ 346) \\ \hline \end{gathered}$ | $\begin{gathered} -19.7 \\ (-21.3 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 108141 \\ (87947 \text { to } 131 \\ 046) \end{gathered}$ | $\begin{gathered} -33.5 \\ (-47.7 \text { to }-17.1) \end{gathered}$ |
| Mauritania | $\begin{gathered} 576 \\ (419 \text { to } 760) \end{gathered}$ | $\begin{gathered} -37.1 \\ (-50.6 \text { to }-21.2) \end{gathered}$ | $\begin{gathered} 740 \\ (662 \text { to } 828) \end{gathered}$ | $\begin{gathered} -19.7 \\ (-21.2 \text { to }-18.1) \end{gathered}$ | $\begin{gathered} 16656 \\ (12275 \text { to } 21 \\ 516) \\ \hline \end{gathered}$ | $\begin{gathered} -41.5 \\ (-54.9 \text { to }-26.4) \end{gathered}$ |
| Niger | $\begin{gathered} 4088 \\ (3045 \text { to } 5258) \end{gathered}$ | $\begin{gathered} -6.8 \\ (-25.6 \text { to } 17.3) \end{gathered}$ | $\begin{gathered} 3605 \\ (3212 \text { to } 4 \\ 016) \\ \hline \end{gathered}$ | $\begin{gathered} -7.0 \\ (-8.7 \text { to }-5.3) \end{gathered}$ | $\begin{gathered} 129658 \\ (96513 \text { to } 164 \\ 221) \\ \hline \end{gathered}$ | $\begin{gathered} -14.0 \\ (-31.6 \text { to } 8.9) \end{gathered}$ |
| Nigeria | $\begin{gathered} \hline 16415 \\ (12903 \text { to } 19 \\ 812) \\ \hline \end{gathered}$ | $\begin{gathered} -37.8 \\ (-51.0 \text { to }-22.0) \end{gathered}$ | $\begin{gathered} 25793 \\ (22943 \text { to } 28 \\ 713) \\ \hline \end{gathered}$ | $\begin{gathered} -17.4 \\ (-19.1 \text { to }-15.7) \end{gathered}$ | 518362 (426 418 to 615 $860)$ | $\begin{gathered} -41.2 \\ (-54.2 \text { to }-26.7) \end{gathered}$ |
| Sao Tome and Principe | $\begin{gathered} 45 \\ (37 \text { to } 53) \end{gathered}$ | $\begin{gathered} -6.5 \\ (-24.7 \text { to } 13.2) \end{gathered}$ | $\begin{gathered} 43 \\ (39 \text { to } 47) \end{gathered}$ | $\begin{gathered} -11.4 \\ (-13.3 \text { to }-9.6) \end{gathered}$ | $\begin{gathered} 1204 \\ \text { (974 to } 1464 \text { ) } \end{gathered}$ | $\begin{gathered} -17.7 \\ (-34.3 \text { to } 0.3) \end{gathered}$ |
| Senegal | $\begin{gathered} 3131 \\ (2685 \text { to } 3652) \end{gathered}$ | $\begin{gathered} 4.9 \\ (-8.9 \text { to } 21.8) \end{gathered}$ | $\begin{gathered} 3089 \\ (2803 \text { to } 3 \\ 399) \\ \hline \end{gathered}$ | $\begin{gathered} -0.1 \\ (-2.0 \text { to } 1.9) \end{gathered}$ | $\begin{gathered} 91111 \\ (77944 \text { to } 105 \\ 253) \\ \hline \end{gathered}$ | $\begin{gathered} 1.2 \\ (-11.7 \text { to } 16.9) \end{gathered}$ |
| Sierra Leone | $\begin{gathered} 1621 \\ (1388 \text { to } 1852) \end{gathered}$ | $\begin{gathered} 11.6 \\ (-5.1 \text { to } 31.6) \end{gathered}$ | $\begin{gathered} 1404 \\ (1266 \text { to } 1 \\ 554) \\ \hline \end{gathered}$ | $\begin{gathered} 4.2 \\ (2.2 \text { to } 5.9) \end{gathered}$ | $\begin{gathered} 54811 \\ (46811 \text { to } 62 \\ 990) \\ \hline \end{gathered}$ | $\begin{gathered} 3.9 \\ (-11.8 \text { to } 21.2) \end{gathered}$ |
| Togo | $\begin{gathered} 1723 \\ (1426 \text { to } 2076) \end{gathered}$ | $\begin{gathered} -4.2 \\ (-19.6 \text { to } 12.9) \end{gathered}$ | $\begin{gathered} 1472 \\ (1322 \text { to } 1 \\ 616) \\ \hline \end{gathered}$ | $\begin{gathered} -6.1 \\ (-8.1 \text { to }-4.3) \end{gathered}$ | $\begin{gathered} 53049 \\ (43967 \text { to } 63 \\ 671) \\ \hline \end{gathered}$ | $\begin{gathered} -5.2 \\ (-19.7 \text { to } 11.5) \end{gathered}$ |
| Eastern sub-Saharan Africa | $\begin{gathered} 87523 \\ (78640 \text { to } 99 \\ 403) \\ \hline \end{gathered}$ | $\begin{gathered} -37.6 \\ (-43.7 \text { to }-28.3) \end{gathered}$ | $\begin{gathered} 67823 \\ (61077 \text { to } 74 \\ 894) \\ \hline \end{gathered}$ | $\begin{gathered} -27.9 \\ (-28.8 \text { to }-26.9) \end{gathered}$ | $\begin{gathered} 2263201 \\ (2041787 \text { to } 2 \\ 541233) \\ \hline \end{gathered}$ | $\begin{gathered} -40.5 \\ (-46.6 \text { to }-32.9) \end{gathered}$ |
| Burundi | $\begin{gathered} 3005 \\ (2407 \text { to } 3672) \end{gathered}$ | $\begin{gathered} -51.8 \\ (-61.7 \text { to }-39.6) \end{gathered}$ | $\begin{gathered} 2024 \\ (1817 \text { to } 2 \\ 244) \\ \hline \end{gathered}$ | $\begin{gathered} -39.9 \\ (-41.2 \text { to }-38.7) \end{gathered}$ | $\begin{gathered} 81809 \\ (65906 \text { to } 98 \\ 843) \\ \hline \end{gathered}$ | $\begin{gathered} -55.6 \\ (-65.5 \text { to }-44.3) \end{gathered}$ |


| Comoros | $\begin{gathered} 139 \\ (112 \text { to } 181) \end{gathered}$ | $\begin{gathered} -50.5 \\ (-60.0 \text { to }-37.9) \end{gathered}$ | $\begin{gathered} 131 \\ (117 \text { to } 145) \end{gathered}$ | $\begin{gathered} -36.8 \\ (-38.1 \text { to }-35.4) \end{gathered}$ | $\begin{gathered} 3787 \\ (3024 \text { to } 4895) \end{gathered}$ | $\begin{gathered} -54.8 \\ (-63.9 \text { to }-43.5) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Djibouti | $\begin{gathered} 201 \\ (141 \text { to } 280) \end{gathered}$ | $\begin{gathered} -35.6 \\ (-51.8 \text { to }-17.4) \end{gathered}$ | $\begin{gathered} 191 \\ (171 \text { to } 213) \end{gathered}$ | $\begin{gathered} -21.9 \\ (-23.5 \text { to }-20.5) \end{gathered}$ | $\begin{gathered} 5246 \\ (3693 \text { to } 7446) \end{gathered}$ | $\begin{gathered} -38.2 \\ (-54.7 \text { to }-22.0) \end{gathered}$ |
| Eritrea | $\begin{gathered} 1268 \\ (985 \text { to } 1616) \end{gathered}$ | $\begin{gathered} -48.3 \\ (-56.6 \text { to }-38.2) \end{gathered}$ | $\begin{gathered} 841 \\ (749 \text { to } 935) \end{gathered}$ | $\begin{gathered} -36.7 \\ (-38.1 \text { to }-35.5) \end{gathered}$ | $\begin{gathered} 34298 \\ (26883 \text { to } 43 \\ 739) \end{gathered}$ | $\begin{gathered} -52.3 \\ (-60.2 \text { to }-42.4) \end{gathered}$ |
| Ethiopia | $\begin{gathered} 26333 \\ (21815 \text { to } 31 \\ 005) \end{gathered}$ | $\begin{gathered} -46.2 \\ (-55.8 \text { to }-30.8) \end{gathered}$ | $\begin{gathered} \hline 19547 \\ (17577 \text { to } 21 \\ 621) \\ \hline \end{gathered}$ | $\begin{gathered} -33.5 \\ (-34.8 \text { to }-32.2) \end{gathered}$ | $\begin{gathered} 643859 \\ \text { (533 164 to } 756 \\ 663 \text { ) } \end{gathered}$ | $\begin{gathered} -49.6 \\ (-59.4 \text { to }-36.1) \end{gathered}$ |
| Kenya | $\begin{gathered} 6955 \\ (5604 \text { to } 8765) \end{gathered}$ | $\begin{gathered} -22.0 \\ (-32.8 \text { to }-6.0) \end{gathered}$ | $\begin{gathered} 6979 \\ (6181 \text { to } 7 \\ 793) \\ \hline \end{gathered}$ | $\begin{gathered} -12.9 \\ (-13.8 \text { to }-12.0) \end{gathered}$ | $\begin{gathered} 175029 \\ (141326 \text { to } 219 \\ 720) \\ \hline \end{gathered}$ | $\begin{gathered} -22.5 \\ (-33.1 \text { to }-9.4) \end{gathered}$ |
| Madagascar | $\begin{gathered} 11632 \\ (8975 \text { to } 14 \\ 710) \\ \hline \end{gathered}$ | $\begin{gathered} -14.9 \\ (-33.1 \text { to } 3.7) \end{gathered}$ | $\begin{gathered} 6325 \\ (5733 \text { to } 6 \\ 976) \\ \hline \end{gathered}$ | $\begin{gathered} -26.6 \\ (-28.1 \text { to }-25.0) \end{gathered}$ | $\begin{gathered} 338801 \\ (264142 \text { to } 429 \\ 870) \end{gathered}$ | $\begin{gathered} -18.1 \\ (-35.8 \text { to } 0.3) \end{gathered}$ |
| Malawi | $\begin{gathered} 2993 \\ (2305 \text { to } 3767 \text { ) } \end{gathered}$ | $\begin{gathered} -26.9 \\ (-44.3 \text { to }-3.7) \end{gathered}$ | $\begin{gathered} 2758 \\ (2453 \text { to } 3 \\ 090) \\ \hline \end{gathered}$ | $\begin{gathered} -19.3 \\ (-20.9 \text { to }-17.6) \end{gathered}$ | $\begin{gathered} 73727 \\ (56985 \text { to } 92 \\ 126) \\ \hline \end{gathered}$ | $\begin{gathered} -30.2 \\ (-48.2 \text { to }-8.7) \end{gathered}$ |
| Mozambique | $\begin{gathered} 7429 \\ \text { (6 } 018 \text { to } 9 \text { 192) } \end{gathered}$ | $\begin{gathered} -37.9 \\ (-49.8 \text { to }-23.1) \end{gathered}$ | $\begin{gathered} 5670 \\ (5099 \text { to } 6 \\ 299) \\ \hline \end{gathered}$ | $\begin{gathered} -29.3 \\ (-31.0 \text { to }-27.8) \end{gathered}$ | $\begin{gathered} 184079 \\ (150332 \text { to } 225 \\ 352) \end{gathered}$ | $\begin{gathered} -39.9 \\ (-51.8 \text { to }-26.0) \end{gathered}$ |
| Rwanda | $\begin{gathered} 1945 \\ (1486 \text { to } 2422) \end{gathered}$ | $\begin{gathered} -60.8 \\ (-70.4 \text { to }-49.0) \end{gathered}$ | $\begin{gathered} \hline 1675 \\ (1480 \text { to } 1 \\ 866) \\ \hline \end{gathered}$ | $\begin{gathered} -45.9 \\ (-47.1 \text { to }-44.7) \end{gathered}$ | $\begin{gathered} \hline 48977 \\ (37521 \text { to } 61 \\ 548) \\ \hline \end{gathered}$ | $\begin{gathered} -64.8 \\ (-74.6 \text { to }-53.5) \end{gathered}$ |
| Somalia | $\begin{gathered} 3415 \\ (2728 \text { to } 4287) \end{gathered}$ | $\begin{gathered} -30.4 \\ (-42.1 \text { to }-15.6) \end{gathered}$ | $\begin{gathered} 2119 \\ (1898 \text { to } 2 \\ 336) \\ \hline \end{gathered}$ | $\begin{gathered} -26.3 \\ (-27.7 \text { to }-24.9) \end{gathered}$ | $\begin{gathered} 92985 \\ (74439 \text { to } 116 \\ 909) \end{gathered}$ | $\begin{gathered} -33.6 \\ (-45.3 \text { to }-19.1) \end{gathered}$ |
| South Sudan | $\begin{gathered} 3091 \\ (2267 \text { to } 4008) \end{gathered}$ | $\begin{gathered} -20.4 \\ (-38.8 \text { to } 2.7) \end{gathered}$ | $\begin{gathered} 2481 \\ (2227 \text { to } 2 \\ 749) \\ \hline \end{gathered}$ | $\begin{gathered} -17.7 \\ (-19.2 \text { to }-16.2) \end{gathered}$ | $\begin{gathered} \hline 80313 \\ (59062 \text { to } 104 \\ 318) \\ \hline \end{gathered}$ | $\begin{gathered} -23.7 \\ (-43.0 \text { to }-0.7) \end{gathered}$ |
| Tanzania | $\begin{gathered} 9006 \\ (7257 \text { to } 10 \\ 875) \end{gathered}$ | $\begin{gathered} -33.6 \\ (-47.2 \text { to }-17.7) \end{gathered}$ | $\begin{gathered} 8810 \\ (7844 \text { to } 9 \\ 803) \\ \hline \end{gathered}$ | $\begin{gathered} -20.2 \\ (-21.9 \text { to }-18.6) \end{gathered}$ | $\begin{gathered} 233955 \\ (189636 \text { to } 281 \\ 682) \\ \hline \end{gathered}$ | $\begin{gathered} -35.3 \\ (-48.6 \text { to }-20.6) \end{gathered}$ |
| Uganda | $\begin{gathered} 6628 \\ \text { (5 } 410 \text { to } 7 \text { 909) } \end{gathered}$ | $\begin{gathered} -39.2 \\ (-50.3 \text { to }-25.1) \end{gathered}$ | $\begin{gathered} 5510 \\ (4899 \text { to } 6 \\ 134) \\ \hline \end{gathered}$ | $\begin{gathered} -28.1 \\ (-29.4 \text { to }-26.9) \end{gathered}$ | $\begin{gathered} 174112 \\ (143232 \text { to } 207 \\ 851) \\ \hline \end{gathered}$ | $\begin{gathered} -42.8 \\ (-54.1 \text { to }-28.9) \end{gathered}$ |
| Zambia | $\begin{gathered} 3482 \\ (2649 \text { to } 4384) \end{gathered}$ | $\begin{gathered} 1.5 \\ (-28.2 \text { to } 44.0) \end{gathered}$ | $\begin{gathered} 2709 \\ (2419 \text { to } 3 \\ 005) \\ \hline \end{gathered}$ | $\begin{gathered} -11.4 \\ (-13.2 \text { to }-9.5) \end{gathered}$ | $\begin{gathered} 92208 \\ (70509 \text { to } 116 \\ 912) \\ \hline \end{gathered}$ | $\begin{gathered} 5.7 \\ (-27.7 \text { to } 47.9) \end{gathered}$ |
| Central sub-Saharan Africa | $\begin{gathered} 29664 \\ (25202 \text { to } 33 \\ 547) \end{gathered}$ | $\begin{gathered} -16.2 \\ (-25.7 \text { to }-6.0) \end{gathered}$ | $\begin{gathered} 22704 \\ (20452 \text { to } 25 \\ 006) \end{gathered}$ | $\begin{gathered} -17.6 \\ (-18.9 \text { to }-16.2) \end{gathered}$ | $\begin{gathered} \hline 770847 \\ (671847 \text { to } 869 \\ 560) \\ \hline \end{gathered}$ | $\begin{gathered} -20.8 \\ (-29.6 \text { to }-11.1) \end{gathered}$ |


| Angola | $\begin{gathered} 4960 \\ (3674 \text { to } 6 \text { 639) } \end{gathered}$ | $\begin{gathered} -31.4 \\ (-48.3 \text { to }-8.0) \end{gathered}$ | $\begin{gathered} 4319 \\ (3849 \text { to } 4 \\ 797) \end{gathered}$ | $\begin{gathered} -24.3 \\ (-26.0 \text { to }-22.6) \end{gathered}$ | $\begin{gathered} 134233 \\ (99018 \text { to } 180 \\ 838) \\ \hline \end{gathered}$ | $\begin{gathered} -35.5 \\ (-53.2 \text { to }-13.4) \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Central African Republic | $\begin{gathered} 2527 \\ (1943 \text { to } 3 \text { 136) } \end{gathered}$ | $\begin{gathered} -8.5 \\ (-27.2 \text { to } 10.9) \end{gathered}$ | $\begin{gathered} 1383 \\ (1249 \text { to } 1 \\ 534) \\ \hline \end{gathered}$ | $\begin{gathered} -18.9 \\ (-20.7 \text { to -17.2) } \end{gathered}$ | $\begin{gathered} 67017 \\ (51452 \text { to } 83 \\ 752) \\ \hline \end{gathered}$ | $\begin{gathered} -9.1 \\ (-29.1 \text { to } 11.1) \end{gathered}$ |
| Congo (Brazzaville) | $\begin{gathered} 1263 \\ \text { (984 to } 1560 \text { ) } \end{gathered}$ | $\begin{gathered} -43.3 \\ (-56.3 \text { to }-28.5) \end{gathered}$ | $\begin{gathered} 1016 \\ \text { (913 to } 1 \text { 120) } \end{gathered}$ | $\begin{gathered} -33.2 \\ (-34.7 \text { to }-31.9) \end{gathered}$ | $\begin{gathered} 31422 \\ (24238 \text { to } 39 \\ 303) \\ \hline \end{gathered}$ | $\begin{gathered} -46.9 \\ (-60.4 \text { to }-32.4) \end{gathered}$ |
| DR Congo | $\begin{gathered} \hline 20320 \\ (16617 \text { to } 23 \\ 820) \\ \hline \end{gathered}$ | $\begin{gathered} -6.0 \\ (-19.3 \text { to } 9.7) \end{gathered}$ | $\begin{gathered} 15393 \\ (13859 \text { to } 16 \\ 980) \\ \hline \end{gathered}$ | $\begin{gathered} -12.3 \\ (-14.1 \text { to }-10.5) \end{gathered}$ | $\begin{gathered} 524844 \\ (443077 \text { to } 609 \\ 391) \\ \hline \end{gathered}$ | $\begin{gathered} -10.9 \\ (-23.1 \text { to } 2.4) \end{gathered}$ |
| Equatorial Guinea | $\begin{gathered} 117 \\ \text { (67 to 179) } \end{gathered}$ | $\begin{gathered} -72.6 \\ (-83.4 \text { to }-58.0) \end{gathered}$ | $\begin{gathered} 157 \\ \text { (139 to 178) } \end{gathered}$ | $\begin{gathered} -46.6 \\ (-47.9 \text { to }-45.3) \end{gathered}$ | $\begin{gathered} 2947 \\ (1686 \text { to } 4592) \end{gathered}$ | $\begin{gathered} -76.6 \\ (-86.4 \text { to }-63.8) \end{gathered}$ |
| Gabon | $\begin{gathered} 477 \\ (383 \text { to 583) } \end{gathered}$ | $\begin{gathered} -38.7 \\ (-51.7 \text { to }-21.5) \end{gathered}$ | $\begin{gathered} 436 \\ (392 \text { to } 483) \end{gathered}$ | $\begin{gathered} -30.5 \\ (-31.8 \text { to }-29.2) \end{gathered}$ | $\begin{gathered} 10384 \\ (8178 \text { to } 12 \\ 875) \\ \hline \end{gathered}$ | $\begin{gathered} -42.6 \\ (-56.0 \text { to }-26.4) \end{gathered}$ |


[^0]:    *Variables were log-transformed

