

Morbidity and mortality from road injuries: results from the Global Burden of Disease Study 2017

Spencer L James ^(b), ¹ Lydia R Lucchesi, ¹ Catherine Bisignano, ¹ Chris D Castle, ¹ Zachary V Dingels,¹ Jack T Fox,¹ Erin B Hamilton,¹ Zichen Liu,¹ Darrah McCracken,¹ Molly R Nixon,¹ Dillon O Sylte,¹ Nicholas L S Roberts,¹ Oladimeji M Adebayo,² Teamur Aghamolaei,³ Suliman A Alghnam,⁴ Syed Mohamed Aljunid,^{5,6} Amir Almasi-Hashiani,⁷ Alaa Badawi,^{8,9} Masoud Behzadifar,¹⁰ Meysam Behzadifar,¹¹ Eyasu Tamru Bekru,¹² Derrick A Bennett,¹³ Jens Robert Chapman,¹⁴ Kebede Deribe,^{15,16} Bereket Duko Adema,¹⁷ Yousef Fatahi,¹⁸ Belayneh K Gelaw,¹⁹ Eskezyiaw Agedew Getahun,²⁰ Delia Hendrie,²¹ Andualem Henok,²² Hagos de Hidru,²³ Mehdi Hosseinzadeh, 24,25 Guoqing Hu, 26 Mohammad Ali Jahani, 27 Mihajlo Jakovljevic,²⁸ Farzad Jalilian,²⁹ Nitin Joseph,³⁰ Manoochehr Karami,³¹ Abraham Getachew Kelbore,³² Md Nuruzzaman Khan,^{33,34} Yun Jin Kim,³⁵ Parvaiz A Koul,³⁶ Carlo La Vecchia,³⁷ Shai Linn,³⁸ Reza Majdzadeh,^{39,40} Man Mohan Mehndiratta,^{41,42} Peter T N Memiah,⁴³ Melkamu Merid Mengesha,⁴⁴ Hayimro Edemealem Merie,⁴⁵ Ted R Miller,^{21,46} Mehdi Mirzaei-Alavijeh,²⁹ Aso Mohammad Darwesh,⁴⁷ Naser Mohammad Gholi Mezerji,⁴⁸ Roghayeh Mohammadibakhsh, ⁴⁹ Yoshan Moodley, ⁵⁰ Maziar Moradi-Lakeh, ⁵¹ Kamarul Imran Musa, ⁵² Bruno Ramos Nascimento, ⁵³ Rajan Nikbakhsh, ⁵⁴ Peter S Nyasulu,⁵⁵ Ahmed Omar Bali,⁵⁶ Obinna E Onwujekwe,⁵⁷ Sanghamitra Pati,⁵⁸ Reza Pourmirza Kalhori,⁵⁹ Farkhonde Salehi,⁶⁰ Saeed Shahabi,⁶¹ Seifadin Ahmed Shallo,⁶² Morteza Shamsizadeh,⁶³ Zeinab Sharafi,⁶⁴ Sharvari Rahul Shukla,⁶⁵ Mohammad Reza Sobhiyeh,^{66,67} Joan B Soriano,^{68,69} Bryan L Sykes, ⁷⁰ Rafael Tabarés-Seisdedos, ^{71,72} Degena Bahray Bahrey Tadesse, ^{73,74} Yonatal Mesfin Tefera, ^{75,76} Arash Tehrani-Banihashemi, ^{51,77} Boikhutso Tlou, ⁷⁸ Roman Topor-Madry, ^{79,80} Taweewat Wiangkham, ⁸¹ Mehdi Yaseri, ^{82,83} Sanni Yaya, ⁸⁴ Muluken Azage Yenesew, ⁸⁵ Mustafa Z Younis, ^{86,87} Arash Ziapour, ⁸⁸ Sanjay Zodpey, ⁸⁹ David M Pigott, ^{1,90} Robert C Reiner Jr, ^{1,90} Simon I Hay, ^{1,90} Alan D Lopez, ^{1,91} Ali H Mokdad^{1,90}

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For numbered affiliations see end of article.

Correspondence to

Spencer L James, Institute for Health Metrics and Evaluation, University of Washington, Seattle, WA 98121, USA; spencj@uw.edu

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ABSTRACT

Background The global burden of road injuries is known to follow complex geographical, temporal and demographic patterns. While health loss from road injuries is a major topic of global importance, there has been no recent comprehensive assessment that includes estimates for every age group, sex and country over recent years.

Methods We used results from the Global Burden of Disease (GBD) 2017 study to report incidence, prevalence, years lived with disability, deaths, years of life lost and disability-adjusted life years for all locations in the GBD 2017 hierarchy from 1990 to 2017 for road injuries. Second, we measured mortality-to-incidence ratios by location. Third, we assessed the distribution of the natures of injury (eg, traumatic brain injury) that result from each road injury.

Results Globally, 1243068 (95% uncertainty interval 1191889 to 1276 940) people died from road injuries in 2017 out of 54 192 330 (47 381 583 to 61 645 891) new

cases of road injuries. Age-standardised incidence rates of road injuries increased between 1990 and 2017, while mortality rates decreased. Regionally, age-standardised mortality rates decreased in all but two regions, South Asia and Southern Latin America, where rates did not change significantly. Nine of 21 GBD regions experienced significant increases in age-standardised incidence rates, while 10 experienced significant decreases and two experienced no significant change.

Conclusions While road injury mortality has improved in recent decades, there are worsening rates of incidence and significant geographical heterogeneity. These findings indicate that more research is needed to better understand how road injuries can be prevented.

INTRODUCTION

In the original 1971 formulation of the epidemiological transition, Abdel Omran suggested that a country could be expected to pass through three phases of health loss patterns as its economy improved.¹ A country would experience, first, an 'age of pestilence and famine' and, second, an 'age of receding pandemics'. The third phase would include increased burden from 'degenerative and man-made diseases', a phase that in their 2002 review Salomon and Murray summarised as health loss from 'cancers, cardiovascular diseases, and accidents'.² This work on the epidemiological transition provides a starting point for reviewing the current global burden of road injuries and for investigating the relationship between road injuries and economic development. The burden of road injuries has become an area of particular focus across global forums in recent years. In March 2010, the United Nations (UN) General Assembly proclaimed 2011–2020 as the Decade of Action for Road Safety.³ In 2015, the UN General Assembly established Sustainable Development Goal 3.6 as the target of reducing road traffic deaths and injuries by 50% by 2020.⁴ More recently, the WHO published the Global Status Report on Road Safety 2018 and established focus on road safety goals with performance targets in the WHO's General Programme of Work 2019–2023.⁵ Efforts such as Vision Zero have developed cross-setting efforts ranging from countries in Europe to states in India to cities in the USA to develop a road safety paradigm focused on reducing road injury burden to zero.⁶ The European Transport Safety Council has developed evidence-based guidance on transport safety improvements in Europe, while the Insurance Institute for Highway Safety in the USA has conducted research on the science of highway safety and on safety profiles of different vehicles. Globally, the International Transport Forum has developed important resources to guide transport safety improvements on a global basis across multiple modes of transport. The complexity of road safety science has advanced such that entire textbooks now focus on the elements of road safety ranging from behavioural science to economic relationships.⁷ Across these efforts, it is evident that it is now more critical than ever for legislative policymakers, ministries of health, transportation sectors, academic research groups and other agencies to work collaboratively with a Safe System paradigm on improving road safety.⁸ Measurement of road injury burden is a critical component of advancing these initiatives.

Many other studies have measured road injury burden using different methods and data sources including updates to the Global Burden of Disease (GBD) Study, road safety reports by the WHO and reports or studies published by other groups.9-12 While past research has been instrumental in advancing road safety initiatives, it is also important to produce regular updates of road injury burden estimates. Updates that include recent years are critical to ensuring that the effects of economic development, new policies and new safety technologies can be observed and discussed with minimal latency. Timeliness of updating road injury burden estimates helps ensure that policymakers and health resources researchers appropriately focus their efforts, and historically evidence-informed policies regarding road injuries have been impactful. For example, research on road injury burden in Iran in the early 2000s led to new policies being enacted to address the growing burden, while elsewhere in countries such as the USA and Australia, legislation focused on intoxicated driving, seatbelt requirements, speed controls and vehicle safety have likely contributed to decreasing mortality rates from road injuries in select areas.^{13–16} In cases where road safety legislation has been passed, successful implementation of such policies is also critical, and it is also not clear the extent to which successful policy in one location can be equally successful elsewhere. Road injuries are a unique cause of morbidity and mortality on the global landscape because unlike diseases and injuries for which there may be

considerable lag between burden measurement, policy implementation and burden improvement, road injury burden can change rapidly if measures such as seatbelt laws, intoxicated driving laws and infrastructure improvements are implemented.^{17–20} Hence, it is important to continue regular updates of health assessments that measure morbidity and mortality from road injuries, as preventing and treating road injuries is of critical importance for sustainable improvements in population health outcomes and warrants detailed analysis to understand sociodemographic patterns as well as geographical trends over time.

The Global Burden of Diseases, Injuries, and Risk Factors Study (GBD) is a comprehensive assessment of health loss to measure morbidity and mortality from a wide array of diseases, injuries and risk factors.^{11 12 21-24} The study involves a global network of over 3500 collaborators who provide broad expertise on diseases, injuries, risk factors and locations. The study is published on an annual basis, so estimates are frequently updated with new input data and methodological improvements. GBD 2017 was published in 2018 and included road injuries as one of 30 mutually exclusive, collectively exhaustive injury-related causes of death and disability. In the GBD, road injuries encompass injuries involving motor vehicles, pedestrians, motorcyclists and cyclists. GBD 2017 included estimates of road injury morbidity and mortality in terms of incidence, prevalence, years lived with disability (YLDs), cause-specific mortality, years of life lost (YLLs) and disability-adjusted life years (DALYs) for 195 countries and territories, all age groups and both sexes, for years between 1990 and 2017.

The objective of this paper is to use the GBD 2017 results and framework to provide an updated assessment of the global burden of road injuries and to identify trends and patterns that may be useful by policymakers, organisations and the private sector for preventing future road injury burden.

METHODS GBD 2017

GBD 2017 methods and results are described in extensive detail in GBD literature, including descriptions of the analytical estimation framework used to measure deaths, YLLs, incidence, prevalence, YLDs and DALYs for every cause in GBD including injuries.^{11 12 21-24} A review of key GBD methods is summarised in online supplementary appendix 1. The methodological components specific to injuries and road injuries estimation within the GBD framework are as follows. All key analytical steps are conducted across 1000 draws, and the ordered 25th and 975th values of the final estimates are used to determine the 95% uncertainty interval (UI).

GBD injury classification

Our case definition for a road injury is 'interaction, as a pedestrian on the road, with an automobile, motorcycle, pedal cycle, or other vehicles resulting in bodily damage or death'. The GBD cause hierarchy includes road injuries as an external cause of injury, similar to falls or poisoning. These external cause-of-injury codes or 'E codes' are designated as mutually exclusive and collectively exhaustive in the cause hierarchy, meaning that they include every possible cause of death or disability either as specific injuries or as residual ('other') injuries. These external cause-of-injury codes cause nature-of-injury codes, which specify the bodily injury that is caused by an external cause of injury. In terms of the nature-of-injury codes (eg, the traumatic brain injury (TBI) that might be due to a road injury), injuries were categorised into 47 mutually exclusive and collectively exhaustive nature-of-injury categories using chapters S and T in the International Classification of Diseases (ICD), 10th revision, and codes 800–999 in ICD-9. Since it is possible that an external cause of injury

including a road injury may not actually lead to bodily harm, we only include injuries in our morbidity analysis that warranted some form of healthcare, which is typically indicated in survey data for road injuries and can be inferred from our use of hospital records. For example, a low-speed collision ('fender bender') that did not lead to any bodily injury to drivers, passengers or bystanders would not be considered an injury in GBD.

Mortality and YLLs from road injuries

GBD methods for cause of death estimation is provided in GBD literature.¹¹ ¹² ^{21–25} A brief overview of this process is as follows. First, all available data sources were accessed and mapped into the GBD cause list and cause hierarchy. Road injuries data sources included vital registration, verbal autopsy studies, mortality surveillance, censuses, surveys, hospital records and mortuary data. For road injuries, we used ICD-9 codes E800.3, E801.3, E802.3, E803.3, E804.3, E805.3, E806.3, E807.3, E810.0-E810.6, E811.0-E811.7, E812.0-E812.7, E813.0-E813.7, E814.0-E814.7, E815.0-E815.7. E816.0-E816.7, E817.0-E817.7, E818.0-E818.7, E819.0-E819.7, E820.0-E820.6, E821.0-E821.6, E822.0-E822.7, E823.0-E823.7, E824.0-E824.7, E825.0-E825.7, E826.0-E826.1, E826.3-E826.4, E827.0, E827.3-E827.4, E828.0, E828.4 and E829.0-E829.4, and ICD-10 codes V01-V04.99, V06-V80.929, V82-V82.9 and V87.2-V87.3. Second, we redistributed ill-defined causes of death to specific underlying causes, including road injuries, via a process known as garbage code redistribution.¹²²⁶ Third, ensemble models for road injuries and each subtype were conducted using the GBD Cause of Death Ensemble modelling (CODEm) software. CODEm employs five principles to build a cause of death model based on testing a variety of possible models that have been run through several modelling classes using an array of covariates.²⁷ Next, an ensemble of best-performing models is constructed based on out-of-sample validity testing. The covariates used in the models included lag-distributed income per capita (a smoothed series of GDP per capita), education per capita in years, alcohol use in litres per capita, an indicator for opium cultivation, population density over 1000 per square kilometre, a summary exposure value for violent injuries, Socio-demographic Index (SDI) and Healthcare Access and Quality Index. Deaths for each cause are then rescaled such that the sum of deaths across causes equals the total deaths, which enforces internal consistency across GBD estimates. As a final step, YLLs due to road injuries and each subtype are calculated by multiplying deaths by the residual life expectancy at the age of death from GBD 2017 standard model life table. YLLs measure the number of years of life are lost when a death occurs at an age less than the life expectancy; for example, if the residual life expectancy at age 25 years is 60, then 60 years of life were lost when a person dies at age 25 years.

Incidence, prevalence and YLDs due to road injuries

Estimation of non-fatal injury outcomes (incidence, prevalence and YLDs) in GBD is described in detail in related publications.¹¹ A summary is as follows. We used DisMod-MR 2.1 (a descriptive epidemiological meta-regression tool) to model incidence data for road injuries from emergency department and hospital records and survey data to estimate incidence by location, year, age and sex. These models were conducted for each subtype of road injuries. We used cause-specific mortality rates and incidence data to compute excess mortality rates following an injury since DisMod-MR 2.1 functions in a compartmental framework such that all incident cases of injury must be explained by dying, remaining prevalent or going into After incidence cause models were conducted for each type of road injury, we split the cause incidence into inpatient and outpatient incidence based on a coefficient derived in DisMod-MR 2.1 in locations that had both types of data. Both of these series then went through the following steps. We developed a severity hierarchy of nature-of-injury types by using pooled datasets of follow-up studies from China, the Netherlands and the USA where health status 1 year after injury could be mapped to existing GBD disability weights.²⁸⁻³⁴ This severity hierarchy was used to identify the injury that would cause the most disability in the event that a road injury lead to multiple types of injuries (eg, a spinal cord transection and a wrist fracture).

Next, recognising that injury disability is determined by nature of injury rather than cause of injury, we estimated the proportion of road injuries that would lead to each nature-of-injury type being the most severe. We computed these proportions using Dirichlet regression methods in dual-coded hospital and emergency department data where both cause and nature could be identified. This process and the data sources used are described in more detail in other GBD studies.³⁵ Each cause-nature matrix was specific to hospital admission versus injury warranting other healthcare, high/low income countries and territories, male/female and age category. Deriving these matrices separately in this manner allows variation by these variables. We then applied these proportions to our cause-of-injury incidence from DisMod-MR 2.1 in order to estimate cause-nature incidence. We converted these estimates to prevalence using the average duration for each nature of nature of injury and for inpatient and outpatient injuries from the Dutch Injury Surveillance System with supplementation from expert-driven estimates of short-term duration for nature of injury categories that had insufficient numbers in the Dutch dataset and for untreated injuries.³¹ We measured the probability of long-term (permanent) disability to account for the permanence of conditions such as spinal cord injury as opposed to the shorter term recovery for conditions such as a fibular fracture. The probability of long-term disability was based on analysis of long-term follow-up studies.²⁸⁻³⁴ Long-term prevalence was then calculated based on the ordinary differential equation solver used in DisMod-MR 2.1 to incorporate the parameters of incidence and long-term mortality risk for natureof-injury conditions with increased mortality risk (eg, traumatic brain injury) such that prevalence is correctly estimated after accounting for excess mortality risk. Finally, we calculated YLDs by multiplying the prevalence of a health state, as defined in this process as the nature of injury, and a disability weight, which has been mapped to these injuries in previous GBD research.³⁶ Finally, across all causes in GBD, a comorbidity correction is applied to account for comorbidity distributions in the population.¹⁷

Socio-demographic Index

SDI is an indicator based on the human development index that includes income per capita, average educational attainment and total fertility rate under 25. Low SDI values correspond to low income per capita, low educational attainment and high fertility under 25 years, while high values correspond to higher income per capita, greater educational attainment and lower fertility under 25 years. We tabulate some results in this study by SDI quintile in order to identify socioeconomic patterns in road injury burden.

Guidelines for Accurate and Transparent Health Estimates Reporting (GATHER) compliance

This study complies with the GATHER recommendations (see online supplementary appendix 2). Analyses were completed using Python version 2.7, Stata V.13.1 or R version 3.3. Statistical code used for GBD estimation is publicly available online at healthdata.org.

RESULTS

Summary results are as follows. Additional results by age, sex, year, location and injury cause and nature are available online at healthdata.org. Online resources also allow for measuring changes between different years, for example, between 2007 and 2017 as opposed to 1990 and 2017 as well as reviewing sources of data used in GBD 2017.

Incidence

Online supplementary appendix table 1 shows all ages incidence counts and age-standardised incidence rates for 2017 as well as the percentage change in age-standardised rates from 1990 to 2017 for overall road injuries. Countries in the middle SDI quintile experienced the highest increase of incidence rates from 1990 to 2017, with a 53.3% (95% UI 47.1 to 59.4) increase. High SDI was the only quintile that had decreased incidence rates during that time period, with a decrease of 16.5% (11.9 to 21.0). Figure 1 shows the new cases and age-standardised incidence rates of road injuries for 2017 and the per cent change between 1990 and 2017 for age-standardised incidence rates by country and territory. Globally, the age-standardised incidence rate was 692 (605 to 786) per 100 000 in 2017, representing an increase of 11.3% (6.4 to 15.8) from 1990 to 2017 and corresponding to 54 192 330 (47 381 583 to 61 645 891) new cases in 2017. Age-standardised incidence rates decreased from 1990 to 2017 in 109 out of 195 countries and territories, with the largest declines in South Korea, Iraq and Portugal, which decreased by 40.6% (33.3 to 46.6), 40.4% (34.5 to 45.2) and 38.8% (31.9 to 45.5), respectively.

The regions with the highest age-standardised incidence rates in 2017 were Central Europe (1467 (1297 to 1687)), Australasia (1304 (1157 to 1480)) and Eastern Europe (1193 (1022 to 1405)). Among the 21 GBD regions, 10 experienced significant decreases in age-standardised incidence rates, 9 regions experienced significant increases in age-standardised incidence rates (with the greatest increases found in East Asia and Oceania) and the remaining two regions experienced no significant change in age-standardised incidence rates (Central Europe and Central Asia). Age-standardised incidence rates decreased the most from 1990 to 2017 in High-income Asia Pacific, decreasing by 28.3% (23.5 to 33.2) and had the greatest increase in East Asia, where it increased by 111.2% (101.4 to 120.8). In terms of an age pattern, figure 2 shows global age-specific incidence rates for each age group by sex in 2017. This figure emphasises how road injury incidence is heavily concentrated in young to middle age groups and that males experience higher incidence rates than females, particularly in young adulthood.

Cause-specific mortality

Online supplementary appendix table 2 shows all ages deaths and age-standardised mortality rates for 2017 as well as the percentage change in age-standardised rates from 1990 to 2017. Globally, the age-standardised mortality rate was 15.8 (15.2 to 16.3) per 100 000 in 2017, which corresponded to 1 243 068 (1 191 889 to 1 276 940) deaths in 2017 and represented a 29.0% (25.0 to 33.6) decrease in age-standardised mortality rate from 1990 to 2017. Geographically, figure 3 shows the deaths and age-standardised mortality rate from road injuries in 2017 and the per cent change between 1990 and 2017. This figure reveals the general pattern that mortality rates from road injuries is highest in select countries in North Africa, the Middle East and Southern sub-Saharan Africa in 2017. The countries with the highest age-standardised mortality rates were Central African Republic (85.5 (50.7 to 111.2) deaths per 100 000), Somalia (51.1 (27.8 to 72.0)) and United Arab Emirates (49.9 (39.5 to 61.1)). China had the highest number of total deaths, with 261 802 (247 924 to 273 651) deaths estimated in 2017.

YLDs, YLLs and DALYs

Online supplementary appendix table 3 shows the counts, agestandardised rates and per cent change from 1990 to 2017 of YLDs, YLLs and DALYs for road injuries. Globally, in 2017, road injuries resulted in 57 638 366 (55 500 786 to 59 369 191) YLLs, 10 159 667 (7 272 042 to 13 618 818) YLDs and 67 798 033 (64 337 599 to 71 454 968) DALYs, reflecting age-standardised rates of 745 (718 to 767) per 100 000, 126 (90 to 169) and 871 (828 to 917), respectively. Age-standardised YLLs and DALYs decreased by 34.4% (30.4 to 38.5) and 30.8% (26.9 to 35.0), respectively, between 1990 and 2017, while age-standardised YLDs increased 2.2% (0.3 to 4.0). The region with the highest age-standardised DALY rate was Central sub-Saharan Africa with 1720 (1448 to 1999) DALYs per 100 000, which represented 1564 (1302 to 1834) YLLs and 156 (114 to 204) YLDs.

Mortality-to-incidence ratios (MIRs)

Figure 4 shows the ratios of age-standardised mortality rates to age-standardised incidence rates by region in 1990 and 2017, which approximates the risk of death given a road injury. This figure shows how the MIRs vary by both time and location. The Caribbean had the highest MIR in 2017, while Australasia had the lowest, following the pattern of percentage DALYs caused by YLDs described above. While MIR varied substantially across regions, it also declined in every region from 1990 to 2017.

Nature of injuries caused by road injuries

The average global disability weight used in computing YLDs after comorbidity adjustment was 5.8%. Figure 5 shows the distribution of natures of injury in terms of age-standardised prevalence by region. This figure shows that the category of injury that includes fractures of patella, tibia or fibula or ankle is the leading cause of disability for victims of road injuries. TBI is also an important contributor to health loss from road injuries in all regions of the world.

DISCUSSION

The Global Status Report on Road Safety in 2018 published by the WHO cites important progress in road safety initiatives that have made at the country level, such as new legislation oriented to road safety, updated vehicle standards and technology and access to trauma care.⁵ For example, 123 out of 175 countries included in the report were noted to have best-practice road safety laws implemented for at least one of the key risk factors for road injuries, and the report notes progress such as additional countries passing legislation and policy related to drink driving, motorcycle helmet use and child restraint systems. In this study, we found that despite global increases in road injuries incidence between 1990 and 2017, cause-specific mortality has decreased over the same time period, which likely reflects many of these underlying country-level

Incidence







Figure 1 Incident cases, age-standardised incidence rates, and per cent change between 1990 and 2017 by country for road injuries.



Figure 2 Age-specific and sex-specific incidence of road injuries globally in 2017.

improvements as described by the WHO. From this summary finding, several important themes emerge.

First, the observation of incidence increasing and mortality decreasing on the global level implies that while road injuries are becoming more frequent, individuals experiencing road injuries are less likely to die. It is likely that at least part of the increases in incidence can be explained by broadly increasing access to and utilisation of motorised transport in all locations of the world over the time period of this study, including shifts in types of motorised transit (eg, from bicycles to motorbikes) being used. This observation may also imply general improvements in case fatality rates. Improvements in case fatality rates may be affected by two general processes. First, it is possible that improvements in infrastructure, driving laws such as seatbelt laws and vehicle safety improvements have led to the types of disability sustained in road injuries decreasing in severity over time. For example, a driver who was in a road incident in 1990 may have been less likely to be wearing a seatbelt than a driver in 2017, which could have increased the probability of more severe injuries and death in 1990 relative to 2017, all else being equal. Similarly, infrastructure improvements such as improved roads, guard rails and streetlights, particularly in developing economies, may have led to less morbidity and mortality in each road injury case, even if the total number of cases is increasing due to factors such as increased rates of driving.^{37 38} The second possible factor that could lead to improvements in case fatality is improvements in access to medical care following a road injury. For example, adding ambulance services, building trauma centres and ensuring access to emergency medical care in all populations is likely to be beneficial in terms of improving survival for road injury cases, which has been shown in locations that advance trauma

systems.³⁹ Advances in trauma care over the past three decades have led to improved imaging and diagnostic technologies being more readily available to global populations, and research in trauma resuscitation has led to better understanding of the pathology that can occur in a road injury, though postincident care in road injuries remains an ongoing area of research.^{40 41} It is likely that the implied improvements in case fatality have also been affected by improved quality and access to medical care on a global scale. Among SDI quintiles, one exception to this trend occurred in the highest SDI quintile, which experienced decreases both in incidence and mortality, suggesting that concomitant improvements may be possible as socioeconomic development continues globally.

Second, while we found global improvements in mortality despite increases in incidence, we also observed considerable heterogeneity by country and region. Despite global improvements in mortality, multiple countries experienced increases in age-standardised cause-specific mortality from road injuries during this study period. For example, Paraguay, Chad, Lesotho, Pakistan, Mongolia and North Korea experienced increases in road injuries mortality, emphasising that despite global improvements, it is important for health policy research to be conducted in areas where fatal burden from road injuries is still increasing. For example, patients with moderate-to-severe injury that received treatment at a level 1 trauma centre in the USA were shown to be at a 25% decreased risk of death when compared with those who accessed a non-trauma centre, raising the question of whether medical infrastructure development could produce similar improvements in lower income settings.⁴⁰ It is possible that portions of road injury burden may be mitigated by legislation (eg, seatbelt laws), infrastructure and engineering

Mortality







Figure 3 Deaths, age-standardised mortality rates and per cent change between 1990 and 2017 by country for road injuries.



Figure 4 Changes in mortality-to-incidence ratios by GBD region from 1990 to 2017. GBD, Global Burden of Disease.

(eg, road construction) and behavioural modifications (eg, intoxicated driving). Yet it is also likely that there are still unidentified factors that lead to road injury incidence and mortality, particularly as these trends are likely governed by a wide array of factors ranging from trauma pathophysiology to vehicle engineering to social behaviours. Future road injury research may benefit from more comprehensive syntheses of how various causes and modifiers affect these outcomes, similar to how our understanding of cancer, infectious disease and cardiovascular disease has benefited from laboratory-based, translational-based and populationbased research studies.

Third, we found that changes in incidence and mortality varied by development. Specifically, countries and territories in the middle SDI quintile experienced the greatest increases in age-standardised incidence between 1990 and 2017, while low SDI quintile locations increased less, and high SDI quintile locations actually decreased in terms of incidence. These findings are reminiscent of the transition phases described in literature on the epidemiological transition, where a country's burden of disease and injury is modulated by where the country is on the development spectrum. For example, Papua New Guinea and Myanmar, low and low-middle SDI countries, respectively, have experienced significant economic growth in the past decade.⁴² Both countries have also experienced increased incidence of road injuries over the past 10 years, while the burden of communicable diseases decreased. These country experiences support the idea that while countries transition to more stable economies, road injuries predictively become more burdensome. Interestingly, there is evidence that reductions in road traffic injuries have positive effects on GDP per capita, so there is incentive

for developing countries to prioritise road safety initiatives and injury prevention. $^{\rm 43}$

Fourth, for the first time in GBD research, we were able to estimate the burden of road injuries in terms of the types of disability that road injuries caused. Specifically, we found that the most common nature of injury sustained in a road injury in all regions was fracture of patella, tibia/fibula or ankle and that in most regions, moderate/severe TBIs were the next leading cause of disability in road injuries. These are important findings for two reasons. Lower extremity fractures can require surgical management in order to avoid longer term disability, which emphasises the importance of modern medical services including surgical services being available in all areas of the world. In addition, these findings show how disability from road injuries can lead to lifelong health loss in the form of conditions like TBI that can have irreversible health consequences, emphasising the importance of preventative strategies in reducing future burden from road injuries.

There were several limitations to this study. First, similar to other analyses in GBD research, the uncertainty of road injury morbidity and mortality rates is affected by data availability. In countries and territories with absent or sparse data, the modelling framework relies more on covariates and other locations that do have data, which leads to greater uncertainty around the point estimates. Greater UIs mean that readers and policymakers should use more caution when acting on these results. To address this limitation, health systems in the future should prioritise good data collection strategies in order to help improve the accuracy of future research in road injury burden. Current data limitations, modelling differences and garbage code redistribution,



Figure 5 Distribution of most severe nature of injury sustained in road injuries by region in 2017. TBI, traumatic brain injury.

particularly for data-sparse or data-absent locations likely account for much of the difference between global mortality estimates from the WHO, which estimated 1.35 million deaths in 2016, and GBD 2017, which estimated 1.25 million deaths in 2016. Second, as described in other GBD literature on injury

What is already known on the subject

- Road injuries are known to be a major cause of health loss globally, both in terms of morbidity and mortality.
- While progress on mitigating health loss from road injuries has been made in some locations, there is still considerable morbidity and mortality in all areas of the world, including in low-income and middle-income regions.

What this study adds

- Road injury incidence has increased globally from 1990 to 2017, while mortality has decreased.
- Trends in mortality-to-incidence ratios for road injuries have varied depending on region of the world between 1990 and 2017.
- The specific type of bodily injury occurring in road injuries is now estimated, with the most common nature of injury sustained in road injuries being a fracture of the patella, tibia or fibula, or ankle.

estimation, the current process for assigning disability to a road injury case requires predicting the most disabling injury that results from a road injury, without taking into consideration the possibility that multiple natures of injury can result from a road injury. In future GBD research, developing methods to capture all forms of disability that result from road injuries could help measure the total health loss burden from these conditions. Finally, a general limitation of non-fatal injury estimation in GBD 2017 was that long-term follow-up studies used for injury severity hierarchies and probabilities of long-term disability are only available in select countries. Future GBD updates should focus on adding more data to inform this analytical process.

CONCLUSION

This study further substantiates the key messages highlighted in the Global Status Report on Road Safety 2018 by the WHO. In particular, despite improvements in mortality, road injuries remain critically important cause of morbidity and mortality globally, and more research is needed to better measure and understand how road injuries can be prevented, particularly in developing economies. Investing in preventative measures as well as ensuring that victims of road injuries have access to first response trauma and medical care could help drive improvements in road injury burden in the future.

Author affiliations

¹Institute for Health Metrics and Evaluation, University of Washington, Seattle, Washington, USA

²College of Medicine, University College Hospital, Ibadan, Nigeria
³Department of Health Education and Health Promotion, Hormozgan University of Medical Sciences, Bandar Abbas, Iran

Original article

⁴Department of Population Health Research, King Abdullah International Medical Research Center, Riyadh, Saudi Arabia

⁵Department of Health Policy and Management, Kuwait University, Safat, Kuwait ⁶International Centre for Casemix and Clinical Coding, National University of Malaysia, Bandar Tun Razak, Malaysia

⁷Department of Epidemiology, Arak University of Medical Sciences, Arak, Iran ⁸Public Health Risk Sciences Division, Public Health Agency of Canada, Toronto, Ontario, Canada

⁹Department of Nutritional Sciences, University of Toronto, Toronto, Ontario, Canada ¹⁰Social Determinants of Health Research Center, Lorestan University of Medical Sciences, Khorramabad, Iran

¹¹Hepatitis Research Center, Lorestan University of Medical Sciences, Khorramabad, Iran

¹²College of Health Science and Medicine, Wolaita Sodo University, Sodo, Ethiopia ¹³Nuffield Department of Population Health, University of Oxford, Oxford, UK

¹⁴Swedish Neuroscience Institute, Swedish Brain and Spine Specialists, Seattle, Washington, USA

¹⁵Department of Global Health and Infection. Brighton and Sussex Medical School. Brighton, UK

⁶School of Public Health, Addis Ababa University, Addis Ababa, Ethiopia

¹⁷Department of Public Health, Hawassa University, Hawassa, Ethiopia ¹⁸Department of Pharmaceutical Nanotechnology, Tehran University of Medical Sciences, Tehran, Iran ¹⁹School of Pharmacy, Debre Tabor University, Ambo, Ethiopia

²⁰Department of Public Health, Arba Minch University, Arba Minch City, Ethiopia ²¹School of Public Health, Curtin University, Perth, Western Australia, Australia

²²Department of Public Health, Mizan-Tepi University, Teppi, Ethiopia

²³Department of Biostatistics and Epidemiology, Adigrat University, Adigrat, Ethiopia ²⁴Health Management and Economics Research Center, Iran University of Medical Sciences, Tehran, Iran ²⁵Computer Science Department, University of Human Development, Sulaimaniyah,

Iraq

²⁶Department of Epidemiology and Health Statistics, Central South University, Changsha, China

²⁷Faculty of Medicine, Babol University of Medical Sciences, Babol, Iran

²⁸Department of Global Health, Economics and Policy, University of Kragujevac, Kragujevac, Serbia

²⁹Social Development & Health Promotion Research Center, Kermanshah University of Medical Sciences, Kermanshah, Iran

³⁰Department of Community Medicine, Kasturba Medical College, Manipal University, Mangalore, India

³¹Department of Epidemiology, Hamadan University of Medical Sciences, Hamadan, Iran

³²Department of Dermatology, Wolaita Sodo University, Wolaita Sodo, Ethiopia ³³Department of Population Sciences, Jatiya Kabi Kazi Nazrul Islam University, Mymensingh, Bangladesh

³⁴Department of Public Health, University of Newcastle, Newcastle, New South Wales, Australia

³⁵School of Medicine, Xiamen University Malaysia, Sepang, Malaysia

³⁶Department of Internal and Pulmonary Medicine, Sheri Kashmir Institute of Medical

Sciences, Srinagar, India ³⁷Department of Clinical Medicine and Community Health, University of Milan, Milano, Italy

³⁸School of Public Health, University of Haifa, Haifa, Israel

³⁹Community-Based Participatory-Research (CBPR) Center, Tehran University of Medical Sciences, Tehran, Iran

⁴⁰Knowledge Utilization Research Center (KURC), Tehran University of Medical Sciences, Tehran, Iran

⁴¹Neurology Department, Janakpuri Super Specialty Hospital Society, New Delhi, India

⁴²Department of Neurology, New Delhi, India

⁴³Department of Public Health, University of West Florida, Pensacola, Florida, USA ⁴⁴Department of Epidemiology and Biostatistics, Haramaya University, Harar, Ethiopia

⁴⁵Department of Statistics, Debre Markos University, Debre Markos, Ethiopia ⁴⁶Pacific Institute for Research and Evaluation, Calverton, Maryland, United States

⁴⁷Information Technology Department, University of Human Development, Sulaimaniyah, Irag

⁴⁸Department of Biostatistics, Hamadan University of Medical Sciences, Hamadan, Iran

⁴⁹Hamadan University of Medical Sciences, Hamadan, Iran

⁵⁰Department of Public Health Medicine, University of KwaZulu-Natal, Durban, South Africa

⁵¹Preventive Medicine and Public Health Research Center, Iran University of Medical Sciences, Tehran, Iran ⁵²School of Medical Sciences, Science University of Malaysia, Kubang Kerian,

Malaysia

⁵³Hospital of the Federal University of Minas Gerais, Federal University of Minas Gerais, Belo Horizonte, Brazil

⁵⁴Obesity Research Center, Research Institute for Endocrine Science, Shahid Beheshti University of Medical Sciences, Tehran, Iran

⁵⁵Faculty of Medicine & Health Sciences, Stellenbosch University, Cape Town, South Africa

⁵⁶Department of Diplomacy and Public Relations, University of Human Development, Sulaimaniyah, Iraq

⁵⁷Department of Pharmacology and Therapeutics, University of Nigeria Nsukka, Enugu, Nigeria

⁵⁸Regional Medical Research Centre, Indian Council of Medical Research, Bhubaneswar, India

⁵⁹Paramedic Department, Kermanshah University of Medical Sciences, Kermanshah, Iran

⁶⁰Taleghani Hospital, Kermanshah University of Medical Sciences, Kermanshah, Iran ⁶¹Health Policy Research Center, Institute of Health, Shiraz University of Medical Sciences, Shiraz, Iran

⁶²Department of Public Health, Ambo University, Ambo, Ethiopia

⁶³Chronic Diseases (Home Care) Research Center, Hamadan University of Medical Sciences, Hamadan, Iran

⁶⁴Razi Herbal Medicines Research Center, Lorestan University of Medical Sciences, Khorramabad, Iran

⁶⁵Symbiosis Institute of Health Sciences, Symbiosis International University, Pune, India

⁶⁶Departments of Vascular & Endovascular Surgery, General Surgery, Kermanshah University of Medical Sciences, Kermanshah, Iran

⁶⁷Peripheral Vascular Intervention Department, Kermanshah University of Medical

Sciences, Kermanshah, Iran ⁶⁸Hospital Universitario de la Princesa, Autonomous University of Madrid, Madrid,

Respiratory Diseases Networking Biomedical Research Centre (CIBERES), Institute of Health Carlos III. Madrid, Spain

⁷⁰Department of Criminology, Law and Society, University of California Irvine, Irvine, California, USA

Department of Medicine, University of Valencia, Valencia, Spain

⁷²Carlos III Health Institute, Biomedical Research Networking Center for Mental Health Network (CiberSAM), Madrid, Spain

73 Nursing Department, Institute of Tropical Medicine, Aksum, Ethiopia ⁷⁴Axum College of Health Science, Mekelle, Ethiopia

⁷⁵School of Public Health, University of Adelaide, Adelaide, South Australia, Australia ⁷⁶Department of Environmental Health, Wollo University, Dessie, Ethiopia

⁷⁷Department of Community Medicine, Iran University of Medical Sciences, Tehran,

Iran ⁷⁸Department of Public Health, University of KwaZulu-Natal, Durban, South Africa ⁷⁹Faculty of Health Sciences, Jagiellonian University Medical College, Krakow, Poland ⁸⁰The Agency for Health Technology Assessment and Tariff System, Warsaw, Poland ⁸¹Department of Physical Therapy, Faculty of Allied Health Sciences, Naresuan University, Meung District, Thailand

⁸²Department of Epidemiology and Biostatistics, Tehran University of Medical Sciences, Tehran, Iran

⁸³Ophthalmic Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran

⁸⁴School of International Development and Global Studies, University of Ottawa, Ottawa, Ontario, Canada

School of Public Health, Bahir Dar University, Bahir Dar, Ethiopia

⁸⁶Health Economics & Finance, Jackson State University, Jackson, Mississippi, USA ⁸⁷Research Center for Public Health, Tsinghua University, Peking, China

⁸⁸Health Promotion Research Center, Iran University of Medical Sciences, Tehran, Iran ⁸⁹Indian Institute of Public Health, Public Health Foundation of India, Gurugram, India

⁹⁰Department of Health Metrics Sciences, School of Medicine, University of Washington, Seattle, Washington, USA

⁹¹School of Population and Global Health, University of Melbourne, Melbourne, Queensland, Australia

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Spain

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ORCID iD

Spencer L James http://orcid.org/0000-0003-4653-2507

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Correction: *Morbidity and mortality from road injuries: results from the* **global Burden of Disease Study 2017**

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Author Rakhi Dandona has been added prior to author Kebede Deribe. Affiliations for Rakhi Dandona are below:

Rakhi Dandona^{1, 90, 92}

1 Institute for Health Metrics and Evaluation, University of Washington, Seattle, Washington, USA.

90 Department of Health Metrics Sciences, School of Medicine, University of Washington, Seattle, Washington, USA.

92 Public Health Foundation of India, Gurugram, India



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Appendix 1

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 (2017). By the time of the release of GBD 2017 in November 2018, there were 3,676 collaborators in 144 countries and 2 territories 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.

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 2017, estimates were made for 195 countries and territories, and 579 subnational locations, for 28 years starting from 1990, for 23 age groups and both sexes. Deaths were estimated for 282 diseases and injuries, while prevalence and incidence were estimated for 355 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. 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" 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 coverage¹. 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.

For cause of death estimation, 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 data². 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. 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 systems³. 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 2017. During each fit all data on prevalence, incidence, remission, 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 disease-specific 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 Fund⁴.

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 factors⁵.

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 25th and 975th values of the ordered 1,000 values. For all age-standardised rates, GBD uses a standard population estimated elsewhere in the GBD analytical process.

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 under age 25. Countries and territories are grouped into five quintiles of high, high-middle, middle, low-middle, and low SDI based on their 2017 values.

1GBD 2017 Collaborators. Global, regional, and national age- and sex-specific mortality and life expectancy for 195 countries and territories, 1950–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet* 2018.

- 2 GBD 2017 Collaborators. Global, regional, and national age-sex-specific mortality for 282 causes of death for 195 countries and territories, 1980–2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet* 2018.
- 3GBD 2017 Collaborators. Global, regional, and national incidence, prevalence, and YLDs for 328 acute and chronic diseases and injuries for 195 countries, 1990-2017: a systematic analysis for the Global Burden of Disease Study 2017. *The Lancet* 2018.
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Appendix 2

GATHER checklist of information that should be included in reports of global health estimates, with description of compliance and location of information for GBD 2017.

#	GATHER checklist item	Description of	Reference
		compliance	
Obj	ectives and funding		
1	Define the indicators, populations, and time periods for	Narrative provided in	Main text (Methods)
	which estimates were made.	paper and	and appendix
		appendix describing	
		indicators, definitions,	
		and populations	
2	List the funding sources for the work.	Funding sources listed in	Summary (Funding)
Det		paper	
Dat	a inputs	t of the study	
For	all data inputs from multiple sources that are synthesised as part	t of the study:	
3	Describe now the data were identified and now the data	Narrative description of	Main text (Methods) and
	were accessed.	data seeking methods	appendix
4		Norrative about	
4	specify the inclusion and exclusion criteria. Identify all ad-noc	inclusion and exclusion	annondix
	exclusions.	critoria by data type	appendix
		provided: ad boc	
		exclusions in cause-	
		specific write-ups	
5	Provide information on all included data sources and their	An interactive online	Online data citation
5	main characteristics. For each data source used, report	data source tool that	tools:
	reference information or contact name/institution	provides metadata for	http://ghdx.healthdata.o
	nonulation represented data collection method year(s) of	data sources by	rg/gbd-2017
	data collection sex and age range diagnostic criteria or	component, geography,	
	measurement method and sample size as relevant	cause, risk, or	
		impairment has been	
		developed	
6	Identify and describe any categories of input data that have	Summary of known	Appendix
	potentially important biases (e.g., based on characteristics	biases by cause included	
	listed in item 5).	in appendix	
For	data inputs that contribute to the analysis but were not synthesis	sed as part of the study:	
7	Describe and give sources for any other data inputs.	Included in online data	http://ghdx.healthdata.o
		source tool	<u>rg/gbd-2017</u>
For	all data inputs:		
8	Provide all data inputs in a file format from which data can be	Downloads of input data	Online data
	efficiently extracted (e.g., a spreadsheet as opposed to a	available through online	visualisation tools,
	PDF), including all relevant meta-data listed in item 5. For any	tools, including data	data query tools, and
	data inputs that cannot be shared due to ethical or legal	visualisation tools and	the Global Health Data
	reasons, such as third-party ownership, provide a contact	data query tools; input	Exchange
	name or the name of the institution that retains the right to	data not available in	
	the data.	toois will be made	
Det		available upon request	
Dat	a analysis		

9	Provide a conceptual overview of the data analysis method. A diagram may be helpful. Provide a detailed description of all steps of the analysis, including mathematical formulae. This description should cover, as relevant, data cleaning, data pre-processing, data adjustments and weighting of data sources, and mathematical or statistical model(s).	Flow diagrams of the overall methodological processes, as well as cause-specific modelling processes, have been provided Flow diagrams and corresponding methodological write- ups for each cause, as well as the databases and modelling processes, have been	Main text (Methods) and appendix Main text (Methods) and appendix
11	Describe how candidate models were evaluated and how the final model(s) were selected.	provided Provided in the methodological write- ups	Appendix
12	Provide the results of an evaluation of model performance, if done, as well as the results of any relevant sensitivity analysis.	Provided in the methodological write- ups	Appendix
13	Describe methods for calculating uncertainty of the estimates. State which sources of uncertainty were, and were not, accounted for in the uncertainty analysis.	Appendix	Appendix
14	State how analytic or statistical source code used to generate estimates can be accessed.	Appendix	http://ghdx.healthdata.o rg/gbd-2017/code
Res	ults and Discussion		
15	Provide published estimates in a file format from which data can be efficiently extracted.	GBD 2017 results are available through online data visualisation tools, the Global Health Data Exchange, and the online data query tool	Main text, and online data tools (data visualisation tools, data query tools, and the Global Health Data Exchange)
16	Report a quantitative measure of the uncertainty of the estimates (e.g. uncertainty intervals).	Uncertainty intervals are provided with all results	Main text, appendix, and online data tools (data visualisation tools, data query tools, and the Global Health Data Exchange)
17	Interpret results in light of existing evidence. If updating a previous set of estimates, describe the reasons for changes in estimates.	Discussion of methodological changes between GBD rounds provided in the narrative of the manuscript and appendix	Main text (Methods and Discussion) and appendix
18	Discuss limitations of the estimates. Include a discussion of any modelling assumptions or data limitations that affect interpretation of the estimates.	Discussion of limitations provided in the narrative of the main paper, as well as in the methodological write- ups in the appendix	Main text (Limitations) and appendix

Table 1: Incidence and prevalence for 2017 and perc	entage change of age-standardise	d rates between 1990 and 2017 by	location for road injuries			
		Incidence (95% UI)			Prevalence (95% UI)	
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017
Global	54 192 330	692	11.3	174 209 559	2 162	6.1
	(47 381 583 to 61 645 891)	(605 to 786)	(6.4 to 15.8)	(162 041 952 to 187 472 078)	(2 012 to 2 326)	(4.4 to 7.8)
Low SDI	5 375 667	441	5.1	12 631 012	1 350	3.1
	(4 618 485 to 6 300 332)	(382 to 507)	(0.5 to 9.6)	(11 768 288 to 13 604 175)	(1 257 to 1 453)	(1.4 to 4.7)
Low-middle SDI	8 877 424	526	28.0	23 019 357	1 600	25.0
	(7 650 756 to 10 260 632)	(456 to 601)	(22.4 to 33.4)	(21 410 093 to 24 775 486)	(1 488 to 1 723)	(23.4 to 27.1)
Middle SDI	14 929 437	675	53.3	46 704 019	2 030	46.9
	(13 032 825 to 17 017 698)	(590 to 768)	(47 1 to 59 4)	(43 353 475 to 50 443 635)	(1 886 to 2 190)	(44 5 to 49 4)
High-middle SDI	14 383 420	958	26.1	48 571 716	2801	17.0
	(12 442 509 to 16 459 412)	(828 to 1.088)	(21.0 to 20.8)	(45 076 557 to 52 482 617)	(2604 to 2022)	(15.2 to 18.7)
High SDI	10 350 223	925	-16.5	42 346 323	2 689	-15.8
Central Europe, Eastern Europe, and Central Asia	4 923 859	1170	-12.9	18 465 790	3 461	-12.3
Central Asia	759 348	818	-5.3	2 078 416	2 385	-6.7
Armenia	(665 702 to 856 937)	(722 to 920)	(-12.0 to 1.6)	(1 922 852 to 2 256 558)	(2 205 to 2 591)	(-7.7 to -5.7)
	20 268	654	-14.3	69 543	1 877	-16.0
Azerbaijan	(17 748 to 22 866)	(567 to 751)	(-20.7 to -7.1)	(64 414 to 75 333)	(1741 to 2 032)	(-17.1 to -15.0)
	72 627	685	-15.6	213 505	1986	-16.2
Gaorgia	(62 997 to 84 136)	(596 to 792)	(-23.0 to -6.1)	(197 288 to 231 133)	(1835 to 2151)	(-18.1 to -14.5)
	38 439	1 039	9.8	140 220	2925	7.8
Kazaliketan	(34 200 to 42 558)	(919 to 1 158)	(1.8 to 18.0)	(129 273 to 153 114)	(2 696 to 3 188)	(6.3 to 9.2)
	196 365	1 084	1.3	564 509	3 078	-0.4
Kazakristan	(172 735 to 219 475)	(953 to 1 218)	(-7.5 to 10.9)	(520 315 to 615 237)	(2 838 to 3 349)	(-1.8 to 1.0)
	50 019	788	-19.8	126 026	2 284	-20.4
Kyrgyzstan	(43 806 to 56 283)	(695 to 881)	(-26.9 to -11.8)	(116 646 to 136 699)	(2 113 to 2 480)	(-21.4 to -19.5)
	31 285	934	37.6	83 458	2 751	30.5
Mongolia	(27 303 to 35 608)	(820 to 1 061)	(27.4 to 49.8)	(77 193 to 90 344)	(2 542 to 2 986)	(27.8 to 33.2)
Tajikistan	(41 170 to 55 096)	(448 to 588)	(-24.5 to -10.3)	(105 809 to 122 835)	(1 449 to 1 682)	(-18.5 to -16.2)
Turkmenistan	(31 858 to 43 047)	(628 to 842)	(-20.3 to -3.5)	(91 974 to 108 293)	(1951 to 2 293)	(-15.0 to -12.6)
Uzbekistan	(231 341 to 303 579)	(704 to 911)	6.1 (-3.6 to 16.4)	(617 655 to 724 065)	(2 118 to 2 492)	(1.2 to 4.6)
Central Europe	1 628 842	1 467	-7.2	6 668 038	4 220	-8.0
	(1 458 069 to 1 819 420)	(1 297 to 1 687)	(-14.4 to 0.4)	(6 185 225 to 7 288 830)	(3 904 to 4 618)	(-9.0 to -6.9)
Albania	36 354	1 286	26.4	128 825	3 692	21.7
	(31 854 to 41 425)	(1 121 to 1 488)	(14.3 to 39.1)	(119 526 to 140 658)	(3 423 to 4 030)	(19.5 to 24.0)
Bosnia and Herzegovina	41 883	1 274	74.9	170 361	3 705	69.1
	(37 038 to 47 354)	(1 116 to 1 484)	(63.0 to 85.8)	(157 649 to 186 256)	(3 421 to 4 054)	(65.5 to 73.6)
Bulgaria	95 174	1 435	6.1	419 604	4 105	4.3
	(84 225 to 106 564)	(1 243 to 1 644)	(-4.9 to 17.1)	(388 565 to 459 091)	(3 792 to 4 496)	(2.5 to 6.1)
Croatia	66 672	1 654	-14.2	284 734	4 749	-12.2
	(59 485 to 75 079)	(1 444 to 1 920)	(-21.5 to -5.7)	(264 091 to 312 943)	(4 397 to 5 249)	(-13.6 to -10.8)
Czech Republic	168 633	1 711	-2.5	726 269	4 949	-0.5
	(149 243 to 187 385)	(1 487 to 1 951)	(-12.0 to 6.9)	(673 716 to 791 332)	(4 574 to 5 402)	(-2.5 to 1.3)
Hungary	118 866	1 284	-23.5	504 484	3 700	-22.3
	(105 802 to 133 375)	(1 118 to 1 502)	(-30.8 to -16.4)	(466 719 to 551 937)	(3 417 to 4 050)	(-23.7 to -20.9)
Macedonia	26 616	(1118 to 1302) 1244 (1084 to 1426)	16.3 (7.8±0.36.0)	101 669	3 606 (3 320 to 3 052)	12.8
Montenegro	8 790	1 412	5.3	32 575	4 052	4.5
Poland	587 099	(1231101630)	-8.4	2 368 187	(3751104430) 4517	-8.8
Romania	262 309	(1 385 to 1 812) 1 375	(-17.2 to 1.1) -8.1	(2 197 814 to 2 588 866) 1 062 776	(41/9to 4949) 3900	(-10.1 to -7.3) -10.4
Serbia	(234 312 to 291 214)	(1 207 to 1 574)	(-15.6 to 1.9)	(984 963 to 1 160 111)	(3 613 to 4 263)	(-12.2 to -8.7)
	110 270	1 261	-15.5	428 949	3 611	-17.6
Slovakia	(98 763 to 123 763)	(1 106 to 1 457)	(-24.4 to -6.2)	(397 457 to 468 195)	(3 342 to 3 949)	(-18.8 to -16.4)
	74 154	1 418	-20.0	296 765	4 099	-19.0
Slovenia	(65 623 to 83 358)	(1 240 to 1 639)	(-29.2 to -9.0)	(274 969 to 325 244)	(3 789 to 4 494)	(-20.2 to -17.5)
	32 023	1 680	-26.5	142 839	4 893	-23.4
	(28 280 to 36 139)	(1 456 to 1 933)	(-34.4 to -20.0)	(132 582 to 155 753)	(4 517 to 5 339)	(-25.0 to -21.9)
	2 535 669	1 193	-12.5	9 719 337	3 414	-12.9
Lastern Europe	(2 164 640 to 2 934 117)	(1 022 to 1 405)	(-16.8 to -8.4)	(8 940 040 to 10 647 866)	(3 137 to 3 738)	(-14.6 to -11.0)
	100 142	1 052	-16.3	386 591	2 988	-17.0
Belarus	(88 843 to 113 176)	(918 to 1 202)	(-25.5 to -5.8)	(358 358 to 421 610)	(2 769 to 3 253)	(-18.6 to -15.6)
	13 599	1 074	-29.5	57 288	3 103	-28.2
Estonia	(11 853 to 15 520) 21 609	(924 to 1 254)	(-37.5 to -20.9)	(52 956 to 62 633) 90 654	(2865 to 3 392) 3 2 3 7	(-29.4 to -26.9) -31.0
Latvia	(18 970 to 24 426)	(992 to 1 311)	(-38.7 to -24.6)	(83 894 to 99 127)	(2 986 to 3 542)	(-32.1 to -30.0)
Lithuania	(30 264 to 38 650)	(1 051 to 1 397)	(-31.0 to -13.1)	(129 970 to 153 982)	(3 159 to 3 748)	(-23.8 to -20.9)
Moldova	(29 335 to 37 731)	(771 to 1 012)	-30.4 (-37.0 to -22.0)	(114 426 to 134 541)	(2 353 to 2 758)	-51.5 (-32.5 to -30.4)
Russian Federation	(1542761 to 2111685)	(1 036 to 1 434)	-14.2 (-18.3 to -10.1)	(6 309 419 to 7 521 276)	(3 210 to 3 828)	-14.5 (-16.5 to -12.3)
Ukraine	(438 209 to 602 891)	(997 to 1 397)	-1.9 (-7.8 to 3.9)	(1 892 239 to 2 260 648)	(3 078 to 3 670)	-3.2 (-4.6 to -1.7)
High-income	8 841 525	840	-19.9	36 168 567	2 462	-19.2
	(7 810 602 to 10 005 336)	(737 to 975)	(-24.0 to -15.6)	(33 543 888 to 39 185 495)	(2 286 to 2 672)	(-20.3 to -18.2)
Australasia	365 586	1 304	-20.3	1 413 829	3 825	-19.3
	(326 635 to 409 673)	(1 157 to 1 480)	(-25.6 to -14.6)	(1 309 726 to 1 533 369)	(3 541 to 4 145)	(-20.9 to -18.1)
Australia	285 446	1 214	-23.2	1 111 015	3 579	-21.8
	(251 293 to 324 837)	(1 058 to 1 401)	(-30.3 to -15.7)	(1 028 964 to 1 203 990)	(3 315 to 3 882)	(-23.6 to -20.3)
New Zealand	80 140	1 798	-5.9	302 814	5 166	-7.5
	(74 271 to 86 535)	(1 656 to 1 960)	(-11.9 to 0.5)	(279 258 to 328 615)	(4 760 to 5 603)	(-9.1 to -6.2)
High-income Asia-Pacific	1 335 884	686	-28.3	5 792 577	2 011	-24.0
	(1 176 156 to 1 502 607)	(594 to 806)	(-33.2 to -23.5)	(5 400 516 to 6 282 687)	(1 868 to 2 178)	(-25.5 to -22.5)
Brunei	4 670	1 054	-28.3	12 145	2 898	-29.1
	(4 053 to 5 289)	(927 to 1 181)	(-34.5 to -21.5)	(11 302 to 13 097)	(2 703 to 3 125)	(-30.2 to -28.2)
Japan	859 980	664	-22.7	4 113 525	2 002	-18.0
	(745 042 to 973 415)	(566 to 791)	(-27.7 to -17.5)	(3 829 491 to 4 464 379)	(1 859 to 2 167)	(-20.0 to -15.9)
South Korea	433 491	757	-40.6	1 529 429	2 086	-40.7
	(387 384 to 487 353)	(667 to 871)	(-46.6 to -33.3)	(1 429 084 to 1 655 718)	(1 950 to 2 257)	(-41.8 to -39.6)
Singapore	37 742	681	-7.3	137 479	2 026	-2.0
	(32 788 to 43 547)	(587 to 807)	(-16.1 to 1.0)	(127 554 to 148 350)	(1 879 to 2 185)	(-4.7 to 0.9)
High-income North America	3 399 537	950	-21.7	13 171 952	2 806	-22.3
	(2 941 015 to 3 919 587)	(814 to 1 115)	(-25.8 to -17.6)	(12 026 067 to 14 553 077)	(2 558 to 3 106)	(-23.7 to -20.5)
Canada	290 062	865	-24.2	1 217 767	2 533	-22.8
	(257 524 to 329 723)	(754 to 1 013)	(-32.0 to -15.4)	(1 121 708 to 1 330 128)	(2 333 to 2 772)	(-24.5 to -21.4)
Greenland	272	495	-23.9	956	1 466	-25.1
	(236 to 316)	(425 to 587)	(-30.5 to -16.8)	(882 to 1 042)	(1 350 to 1 598)	(-27.2 to -23.0)
USA	3 109 143	960 (820 to 1 124)	-21.3	11 952 998 (10 896 374 to 12 225 277)	2840	-22.1
Southern Latin America	460 533	690	40.0	1 458 078	1965	33.6
Argentina	326 577	727	46.7	1 021 089	2096	41.1
Chile	106 550	579	(33.0 t0 62.8) 19.8	(948 414 t0 1 105 / /0) 342 469	1610	(38.4 t0 43.9) 13.6
L	(97 U81 to 117 415)	(525 to 641)	(10.6 to 28.9)	(319 /90 to 367 834)	(1505 to 1727)	(11.3 to 15.7)

	Incidence (95% UI)			Prevalence (95% UI)		
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017
Uruguay	27 386 (24 186 to 20 621)	790 (692 to 896)	50.7 (27 5 to 65 9)	94 455 (87 817 to 103 133)	2 241 (2 085 to 2 416)	44.9
Western Europe	3 279 986	803 (600 to 030)	-21.1	14 332 131 (12 200 026 to 15 526 258)	2 378	-19.0
Andorra	669 (500 to 302)	893	-1.6	2 906	2 654	0.0
Austria	(589 t0 762) 68 018	836	-23.9	302 178	2 483	-20.9
Belgium	(59 892 to 77 750)	(718 to 985)	(-32.2 to -14.8)	(280 561 to 328 511)	(2 296 to 2 699)	(-23.2 to -19.0)
	88 023	794	-30.3	361 442	2 311	-29.2
Cyprus	(78 734 to 98 989)	(694 to 915)	(-36.9 to -22.9)	(335 975 to 391 875)	(2 142 to 2 500)	(-31.3 to -27.4)
	13 212	1 050	-22.9	49 232	3 049	-22.6
Donmark	(11 741 to 14 867)	(921 to 1 221)	(-31.1 to -14.4)	(45 667 to 53 358)	(2 826 to 3 303)	(-24.0 to -21.4)
	43 292	808	-18.9	184 313	2 402	-16.2
Finland	(38 055 to 49 758)	(696 to 960)	(-27.5 to -10.3)	(170 906 to 199 986)	(2 222 to 2 604)	(-17.7 to -14.7)
	44 338	869	-7.0	197 040	2 570	-3.7
rinanu	(39 083 to 50 521)	(751 to 1 016)	(-16.1 to 2.1)	(183 171 to 214 406)	(2 373 to 2 793)	(-4.9 to -2.4)
Forma	540 656	882	-25.4	2 309 036	2 617	-23.3
France	(477 251 to 615 954)	(768 to 1 032)	(-32.8 to -17.8)	(2 148 566 to 2 506 643)	(2 428 to 2 839)	(-25.9 to -21.1)
	623 851	820	-18.4	2 902 944	2 429	-16.3
Germany	(548 376 to 711 948)	(702 to 968)	(-26.7 to -9.5)	(2 694 020 to 3 149 456)	(2 247 to 2 632)	(-18.3 to -14.6)
	103 199	1 044	-12.3	468 839	3 051	-10.8
Greece	(91 742 to 115 242) 2 616	(916 to 1 210) 805	(-20.1 to -3.6)	(436 740 to 508 641) 9 953	(2 833 to 3 299) 2 397	(-12.6 to -9.3) -7.3
Iceland	(2 286 to 3 015)	(689 to 950)	(-18.0 to -0.9)	(9 224 to 10 774)	(2 219 to 2 591)	(-9.5 to -5.6)
Ireland	(31 497 to 42 515)	(675 to 941)	(-21.0 to -0.9)	(128 464 to 150 663)	(2 173 to 2 551)	(-10.4 to -7.0)
Israel	(60 792 to 80 687)	(682 to 915)	-0.1 (-15.1 to 3.1)	(204 030 to 237 948)	(2 110 to 2 463)	-5.5 (-7.0 to -3.8)
Italy	493 255 (446 890 to 543 000)	(732 to 943)	-24.4 (-30.6 to -17.7)	(2 054 997 to 2 382 958)	(2 237 to 2 594)	-22.7 (-24.0 to -21.3)
Luxembourg	5 586	979	-18.7	22 208	2 883	-16.4
	(4 890 to 6 364)	(847 to 1 143)	(-28.5 to -9.4)	(20 647 to 24 128)	(2 673 to 3 129)	(-19.1 to -14.2)
Malta	2 835	719	10.6	12 939	2 147	13.9
	(2 496 to 3 226)	(621 to 843)	(1.8 to 19.8)	(12 031 to 13 990)	(1 991 to 2 319)	(12.3 to 15.6)
Netherlands	112 157	695	-17.3	470 159	2 035	-15.7
	(104 349 to 121 958)	(638 to 769)	(-24.9 to -8.7)	(438 032 to 506 556)	(1 890 to 2 190)	(-18.1 to -13.3)
Norway	37 682	742	-4.2	155 360	2 263	-1.7
	(32 398 to 43 940)	(629 to 889)	(-9.2 to 1.4)	(143 705 to 169 408)	(2 089 to 2 462)	(-3.7 to 0.6)
Portugal	81 004	768	-38.8	354 662	2 238	-38.5
	(72 071 to 91 485)	(667 to 894)	(-45.5 to -31.9)	(329 629 to 384 046)	(2 079 to 2 419)	(-40.9 to -36.6)
Spain	368 356	855	-26.0	1 661 725	2 540	-23.4
	(324 617 to 419 664)	(738 to 1 010)	(-33.6 to -17.1)	(1 541 448 to 1 802 218)	(2 352 to 2 750)	(-25.8 to -21.4)
Sweden	65 182	690	-13.0	286 076	2 117	-10.7
	(56 194 to 75 588)	(586 to 832)	(-18.6 to -7.4)	(264 406 to 310 997)	(1 951 to 2 297)	(-12.5 to -9.0)
Switzerland	67 985	824	-20.7	289 283	2 409	-19.6
	(61 335 to 75 217)	(732 to 948)	(-27.2 to -13.8)	(269 723 to 312 082)	(2 239 to 2 594)	(-21.0 to -18.3)
United Kingdom	408 849	653 (556 to 784)	-10.7	1 715 296 (1 587 660 to 1 865 597)	1955 (1807 to 2124)	-8.5
Latin America and Caribbean	2 420 944	406 (356 to 457)	31.1	7 020 885	1178	29.1
Andean Latin America	(2125463102732730) 194102	321	18.4	(6 520 321 to 7 519 492) 518 087	903	(25.6 to 32.7)
Bolivia	31 319	289	-3.9	79 987	821	-9.4
Ecuador	(2/ 214 to 35 937) 66 229	(252 to 329) 400	(-11.8 to 4.4) 27.8	(74 978 to 85 493) 175 503	(//1to8//) 1117	(-11.5 to -7.2) 21.3
Peru	(57 960 to 74 230)	(352 to 446)	(15.6 to 41.3)	(164 222 to 187 216)	(1045 to 1192)	(18.7 to 23.9)
	96 554	293	20.1	262 597	823	11.8
Caribbean	(84 405 to 108 468)	(256 to 330)	(9.7 to 31.7)	(246 143 to 280 722)	(771 to 880)	(9.8 to 13.6)
	151 296	319	17.2	450 765	906	11.2
Antigua and Barbuda	(132 325 to 170 382)	(278 to 359)	(8.5 to 26.0)	(419 736 to 485 368)	(844 to 975)	(10.2 to 12.5)
	231	254	18.0	741	731	17.6
The Bahamas	(201 to 262)	(222 to 293)	(7.9 to 28.7)	(692 to 796)	(682 to 785)	(15.3 to 20.0)
	1 213	313	2.4	3 576	885	2.1
Barbador	(1 060 to 1 370)	(274 to 353)	(-6.4 to 12.1)	(3 328 to 3 853)	(825 to 951)	(1.0 to 3.2)
	860	284	21.1	3 149	805	21.1
Polizo	(755 to 961)	(245 to 322)	(10.2 to 32.1)	(2 948 to 3 402)	(752 to 867)	(18.7 to 23.4)
	1 249	319	22.6	3 075	938	20.3
Bernuda	(1 088 to 1 419)	(280 to 358)	(12.1 to 34.9)	(2 858 to 3 310)	(872 to 1 013)	(18.5 to 22.3)
	272	405	-0.3	1 090	1 149	2.1
bernuua	(241 to 306)	(354 to 467)	(-9.9 to 9.3)	(1 012 to 1 175)	(1067 to 1235)	(-1.4 to 6.1)
	29 644	248	-16.2	107 278	693	-19.4
	(26 125 to 33 042)	(216 to 283)	(-25.0 to -7.8)	(100 090 to 115 621)	(645 to 745)	(-21.2 to -17.8)
	206	288	32.3	679	836	34.7
Dominica	(182 to 231)	(251 to 323)	(19.6 to 45.9)	(633 to 729)	(778 to 899)	(32.9 to 36.6)
	51 695	488	83.7	137 379	1 373	69.6
Dominican Republic	(45 152 to 58 133) 262	(428 to 545)	(65.1 to 103.9)	(127 517 to 148 529) 871	(1 273 to 1 486) 670	(66.8 to 72.6)
Grenada	(228 to 295)	(196 to 259)	(1.4 to 24.6)	(817 to 937)	(628 to 721)	(10.6 to 15.3) 36.8
Guyana	(1 579 to 2 081) 28 760	(214 to 278)	(24.0 to 56.0)	(4 653 to 5 397) 71 792	(669 to 774)	(34.4 to 38.9)
Haiti	(24 235 to 33 719)	(218 to 293)	(-11.1 to 4.6)	(66 846 to 76 834)	(727 to 837)	(-10.1 to -6.2)
Jamaica	(6 712 to 8 941)	(232 to 307)	95.2 (78.4 to 112.5)	(21 192 to 24 492)	(720 to 832)	(83.2 to 91.4)
Puerto Rico	(12 413 to 15 742)	(316 to 418)	(-1.7 to 18.0)	(48 483 to 56 062)	(948 to 1 094)	(6.0 to 10.4)
Saint Lucia	528	286	7.4	1 681	825	6.3
	(463 to 596)	(250 to 325)	(-2.6 to 18.3)	(1 569 to 1 814)	(770 to 889)	(5.1 to 7.5)
Saint Vincent and the Grenadines	270	231	41.3	883	686	43.3
	(235 to 305)	(199 to 264)	(26.9 to 56.7)	(823 to 949)	(640 to 737)	(40.7 to 46.1)
Suriname	1 922	331	19.8	5 727	955	16.4
	(1 682 to 2 177)	(290 to 376)	(7.9 to 32.5)	(5 328 to 6 175)	(889 to 1 031)	(15.2 to 17.8)
Trinidad and Tobago	4 744	328	28.8	15 653	935	26.8
	(4 187 to 5 332)	(288 to 371)	(16.9 to 43.3)	(14 623 to 16 934)	(874 to 1 008)	(25.0 to 28.9)
Virgin Islands	376	337	21.1	1 347	925	16.3
	(334 to 419)	(294 to 381)	(11.7 to 31.2)	(1 258 to 1 456)	(866 to 997)	(14.5 to 18.1)
Central Latin America	983 527	384	17.3	2 707 080	1 092	14.4
	(855 913 to 1 116 551)	(334 to 436)	(11.7 to 22.9)	(2 524 017 to 2 897 252)	(1 019 to 1 169)	(12.7 to 16.4)
Colombia	146 782	284	-8.6	416 002	780	-11.5
	(128 483 to 165 597)	(247 to 320)	(-16.2 to -1.0)	(390 216 to 446 029)	(732 to 836)	(-14.0 to -9.4)
Costa Rica	17 097	354	16.9	48 087	963	14.4
	(15 088 to 19 127)	(312 to 396)	(4.9 to 28.1)	(45 092 to 51 268)	(903 to 1 026)	(13.1 to 15.7)
El Salvador	17 591 (15 611 to 19 762)	295 (263 to 331)	7.0	45 555 (42 602 to 48 684)	781 (730 to 836)	-0.7 (-2 7 to 1 2)
Guatemala	38 593	251	25.2	90 799	700	18.2
Honduras	23 900	284	35.4	57 310	(05010749) 804 (753+-001)	28.4
Mexico	587 603	461	(24.0 to 45.9) 35.9	(55 0/8 10 01 415) 1 639 241	(15210861) 1325	32.1
Nicaragua	(507029 to 675684)	(399 to 528)	(29.7 to 42.6)	(1 522 198 to 1 763 199)	(1232 to 1426)	(29.5 to 35.3)
	12883	212	-13.4	31 598	592	-17.8
· · · · · · · · · · · · · · · · · · ·	(11 240 to 14 728)	(186 to 240)	(-21.5 to -4.2)	(29 629 to 33 780)	(556 to 633)	(-19.3 to -16.2)

	Incidence (95% UI)					
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017
Panama	12 479	315	1.3	34 821	873	-1.5
	(11 093 to 13 984)	(279 to 353)	(-7.1 to 10.9)	(32 453 to 37 293)	(814 to 935)	(-2.8 to -0.4)
Venezuela	126 599	406	-3.2	343 668	1 130	-5.6
	(109 908 to 143 915)	(354 to 460)	(-12.2 to 7.1)	(321 169 to 368 190)	(1 057 to 1 210)	(-7.3 to -4.0)
Tropical Latin America	1 092 019	475	50.5	3 344 953 (2 022 427 to 2 671 802)	1 393	50.2 (43.0 to 57.8)
Brazil	1 063 263	413 (0 542)	50.2	3 271 170	1 398	50.0
Paraguay	(921 016 to 1 217 395)	(414 to 546)	(41.7 to 58.1)	(2 965 341 to 3 591 705)	(1268 to 1533)	(42.5 to 57.6)
	28 756	410	70.2	73 782	1195	63.5
North Africa and Middle Fast	(24 785 to 33 188)	(356 to 468)	(49.7 to 91.1)	(67 955 to 79 992)	(1 101 to 1 294)	(60.3 to 67.2)
	3 647 741	603	-11.8	9 314 458	1746	-15.5
North Africa and Middle East	(3 169 298 to 4 151 722)	(528 to 681)	(-16.3 to -7.5)	(8 670 467 to 10 054 284)	(1 623 to 1 883)	(-16.4 to -14.5)
	3 647 741	603	-11.8	9 314 458	1 746	-15.5
	(3 169 298 to 4 151 722)	(528 to 681)	(-16.3 to -7.5)	(8 670 467 to 10 054 284)	(1 623 to 1 883)	(-16.4 to -14.5)
	120 735	410	-12.6	243 780	1 305	-16.1
Afghanistan	(101 019 to 144 842)	(350 to 474)	(-19.6 to -5.1)	(226 944 to 261 891)	(1 214 to 1 403)	(-17.3 to -14.9)
Algeria	(229 931 to 304 344)	(563 to 736)	(-28.3 to -17.3)	(679 604 to 787 831)	(1774 to 2 055)	(-26.9 to -24.9)
Bahrain	(7 383 to 9 678)	(490 to 622)	-31.5 (-38.8 to -25.2)	(24 448 to 28 394)	(1516 to 1751)	-34.8 to -31.5)
Egypt	(545 004 to 721 060)	(585 to 761)	-7.4 (-15.1 to -0.0)	(1 415 912 to 1 650 722)	(1822 to 2 130)	-12.5 (-14.0 to -11.0)
Iran	578 111	673	-23.5	1 610 188	1 934	-27.6
	(488 467 to 680 061)	(575 to 782)	(-27.0 to -19.9)	(1 496 935 to 1 742 511)	(1 799 to 2 087)	(-28.9 to -26.5)
Iraq	144 667	340	-40.4	342 614	1 052	-38.5
	(123 156 to 167 646)	(293 to 385)	(-45.2 to -34.5)	(320 955 to 365 974)	(984 to 1 126)	(-40.4 to -37.1)
Jordan	45 306	427	-30.4	105 098	1 2 3 0	-32.9
	(39 054 to 51 777)	(372 to 482)	(-38.0 to -23.3)	(98 289 to 112 582)	(1 1 5 1 to 1 3 1 9)	(-34.3 to -31.8)
Kuwait	32 117	725	-27.6	88 118	2 105	-28.1
	(27 991 to 36 359)	(642 to 810)	(-35.1 to -18.9)	(82 196 to 95 164)	(1 963 to 2 263)	(-29.2 to -27.0)
Lebanon	48 469	550 (474 to 642)	(10 to 22 1)	119 686 (111 474 to 138 760)	1583	8.8 (7.1 to 10.7)
Libya	55945	785	-14.2	139 417	2 238	-17.6
Morocco	(47 /20 to 64 /64)	(678 to 894)	(-20.8 to -6.7)	(128 /6/ to 151 549)	(2069 to 2432)	(-18.7 to -16.5)
	208 224	572	-10.0	594 570	1 694	-14.0
Palestine	(178 746 to 237 422)	(493 to 648)	(-17.3 to -2.6)	(553 473 to 642 870)	(1 577 to 1 831)	(-15.2 to -12.8)
	15 154	318	-10.2	34 146	958	-9.6
Omen	(12 770 to 17 873)	(272 to 367)	(-17.7 to -2.5)	(31 879 to 36 544)	(894 to 1 026)	(-10.8 to -8.3)
	56 754	1 129	-29.0	125 723	3 146	-31.2
onar	(48 500 to 65 770)	(994 to 1 269)	(-35.1 to -23.3)	(116 140 to 137 359)	(2 918 to 3 413)	(-32.4 to -30.0)
	30 692	966	-16.7	71 734	2 728	-19.7
Qatar	(26 304 to 35 541) 400 922	(850 to 1 083)	(-25.1 to -8.5)	(66 519 to 77 939) 890 743	(2 535 to 2 946)	(-20.8 to -18.4)
Saudi Arabia	(342 397 to 462 774)	(912 to 1 183)	(-21.3 to -1.1)	(818 669 to 979 730)	(2 686 to 3 198)	(-17.1 to -14.1)
Sudan	(172 244 to 236 657)	(479 to 627)	-17.4 (-23.7 to -11.7)	(422 501 to 489 485)	(1594 to 1852)	-20.0 (-21.2 to -18.8)
Syria	68 3 7 6 (58 019 to 79 057)	389 (333 to 446)	-10.1 (-19.0 to -0.4)	(161 593 to 185 391)	1 126 (1 054 to 1 208)	-13.2 (-14.5 to -12.0)
Tunisia	65 575	553	0.6	202 123	1 608	-3.8
	(56 466 to 75 506)	(477 to 638)	(-7.2 to 9.1)	(187 136 to 218 662)	(1 490 to 1 738)	(-5.3 to -2.1)
Turkey	367 899	443	17.2	1 129 132	1 275	9.1
	(321 637 to 416 795)	(386 to 504)	(8.3 to 26.5)	(1 050 999 to 1 213 776)	(1 188 to 1 369)	(7.1 to 10.9)
United Arab Emirates	123 480	1 132	-15.7	327 381	3 182	-17.8
	(103 823 to 145 886)	(1 002 to 1 275)	(-22.9 to -7.7)	(303 368 to 355 742)	(2 956 to 3 443)	(-18.9 to -16.7)
Yemen	171 330	624	-21.1	368 918	1 890	-23.6
	(147 283 to 198 218)	(546 to 709)	(-26.5 to -14.6)	(344 033 to 396 299)	(1 761 to 2 036)	(-24.9 to -22.5)
South Asia	8 457 957	462	49.0	23 048 088	1 437	43.1
	(7 169 469 to 10 031 040)	(393 to 545)	(42 3 to 55 6)	(21 253 672 to 25 062 773)	(1 327 to 1 567)	(40.6 to 46.2)
South Asia	8 457 957 (7 160 460 to 10 031 040)	462	49.0	23 048 088	1437	43.1
Bangladesh	488 246	298	68.2	1 371 652	950	60.3
Bhutan	(416 666 to 570 648)	(255 to 346)	(54.9 to 85.0)	(1 264 865 to 1 487 123)	(878 to 1 032)	(57.1 to 63.7)
	3 851	367	0.9	10 086	1 168	-2.8
India	(3 235 to 4 536)	(312 to 429)	(-8.5 to 11.1)	(9 280 to 10 959)	(1077 to 1267)	(-5.1 to -0.4)
	6 596 837	463	45.0	18 375 144	1445	40.3
Nonal	(5 538 899 to 7 879 123)	(390 to 549)	(37.4 to 53.2)	(16 927 415 to 20 047 566)	(1 332 to 1 577)	(37.6 to 43.3)
	132 834	437	36.0	353 306	1 382	32.0
Delister	(113 152 to 156 543)	(375 to 508)	(27.7 to 45.0)	(325 678 to 383 730)	(1 276 to 1 504)	(29.5 to 34.8)
	1 236 189	568	61.3	2 937 900	1 815	58.5
Pakistan	(1 057 252 to 1 460 214)	(490 to 663)	(50.0 to 73.3)	(2 695 517 to 3 198 542)	(1670 to 1981)	(55.5 to 62.0)
	20 809 598	882	92.9	69 014 270	2627	81.3
Southeast Asia, East Asia, and Oceania	(18 003 124 to 23 852 398) 15 572 911	(772 to 999) 939	(85.1 to 100.8)	(63 694 029 to 74 704 932) 53 552 607	(2 431 to 2 840) 2 741	(77.7 to 85.1) 94.9
East Asia	(13 389 614 to 17 938 779)	(811 to 1 072)	(101.4 to 120.8)	(49 383 606 to 58 086 220)	(2 531 to 2 972)	(90.7 to 99.4)
China	(12 727 729 to 17 118 937)	(810 to 1 075)	(103.7 to 123.6)	(47 007 604 to 55 308 501)	(2 534 to 2 975)	(92.6 to 101.8)
North Korea	(198 667 to 265 267)	824 (717 to 950)	(95.2 to 126.4)	/65 861 (709 715 to 830 351)	(2 285 to 2 663)	107.4 (103.7 to 111.4)
Taiwan (Province of China)	251 589	990	23.0	931 969	2 820	19.0
	(222 814 to 280 305)	(876 to 1 115)	(10.4 to 37.8)	(862 516 to 1 007 055)	(2 614 to 3 042)	(14.4 to 23.7)
Oceania	90 566	744	68.2	213 271	2 271	66.5
	(77 855 to 104 811)	(647 to 853)	(56.5 to 81.5)	(198 008 to 231 651)	(2 110 to 2 472)	(64.2 to 69.1)
American Samoa	344	632	59.6	945	1 887	56.0
	(298 to 393)	(547 to 722)	(46.0 to 74.2)	(877 to 1 018)	(1 755 to 2 035)	(53.6 to 58.9)
Federated States of Micronesia	730	708	83.6	1 919	2 172	78.7
	(623 to 848)	(606 to 824)	(69.1 to 99.8)	(1 777 to 2 080)	(2 007 to 2 356)	(75.5 to 81.9)
Fiji	5 541	602	83.8	15 887	1836	81.0
	(4 815 to 6 247)	(535 to 688)	(64.7 to 102.2)	(14 786 to 17 120)	(1709 to 1979)	(77 8 to 84 9)
Guam	1 569	933	66.6 (54.7 to 105.3)	4 826	2700	65.5
Kiribati	(13/0 to 1 /82) 543	465	103.5	1 377	1471	101.2
Marshall Islands	(458 to 635)	(397 to 539)	(86.3 to 123.1)	(1 280 to 1 488)	(1 366 to 1 591)	(96.6 to 107.4)
	425	755	93.3	1 048	2 299	89.9
Northern Mariana Islanda	(364 to 491)	(650 to 866)	(77.2 to 112.2)	(971 to 1 137)	(2 132 to 2 497)	(86.6 to 93.9)
	359	773	26.0	1 206	2 222	23.4
Papua Neu Cuinea	(314 to 409)	(674 to 881)	(15.9 to 37.0)	(1 120 to 1 306)	(2 071 to 2 397)	(21.5 to 25.6)
	68 220	769	60.9	154 930	2 368	59.6
r apua ivew Guillea	(58 294 to 79 140)	(665 to 883)	(48.2 to 75.8)	(143 456 to 168 865)	(2 192 to 2 586)	(57.1 to 62.1)
	1 244	677	85.8	3 277	2 072	81.9
Samoa	(1 069 to 1 454)	(585 to 784)	(70.9 to 103.7)	(3 044 to 3 534)	(1923 to 2 235)	(79.1 to 85.2)
Solomon Islands	(3 381 to 4 637)	(571 to 766)	(64.6 to 92.0)	(8 773 to 10 244)	(1934 to 2 257)	(72.9 to 79.6)
Tonga	583 (505 to 665)	585 (508 to 664)	(71.9 to 104.2)	(1 463 to 1 694)	(1652 to 1910)	81.0 (78.1 to 84.9)
Vanuatu	2 052	762	88.9	5 082	2 394	86.9
	(1 747 to 2 396)	(652 to 879)	(76.8 to 102.6)	(4 729 to 5 492)	(2 220 to 2 596)	(84.4 to 89.8)
Southeast Asia	5 146 121	748	50.6	15 248 393	2 289	44.6
	(4 493 905 to 5 855 603)	(657 to 851)	(42.9 to 58.5)	(14 122 438 to 16 448 412)	(2 123 to 2 466)	(41.7 to 47.7)
Cambodia	116 215	719	63.4	298 196	2 149	55.8
	(99 543 to 134 834)	(620 to 825)	(51.5 to 76.5)	(276 989 to 320 552)	(1 997 to 2 311)	(52.4 to 59.4)
Indonesia	1 882 125	703	38.7	5 621 101	2 200	32.3
	(1 592 917 to 2 213 048)	(600 to 822)	(30.4 to 47.5)	(5 189 045 to 6 077 804)	(2 033 to 2 375)	(28.3 to 36.7)

	Incidence (95% UI)		Prevalence (95% UI)			
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017
Laos	55 544	788	50.4	139 068	2 449	45.2
	(47 543 to 63 808)	(680 to 893)	(39.3 to 63.8)	(129 223 to 149 092)	(2 276 to 2 628)	(42.0 to 48.2)
Malaysia	367 736	1 134	68.5	967 238	3 254	59.2
	(321 285 to 416 265)	(996 to 1 273)	(51.8 to 85.9)	(896 405 to 1 040 041)	(3 012 to 3 504)	(56.6 to 61.8)
Maldives	3 472	670	42.1	8 382	1 946	30.5
	(2 894 to 4 173)	(572 to 786)	(31.7 to 52.8)	(7 804 to 9 042)	(1 812 to 2 097)	(27.8 to 33.8)
Mauritius	9 898	743	86.8	34 165	2 159	84.7
	(8 636 to 11 206)	(646 to 857)	(70.4 to 103.2)	(31 704 to 36 865)	(2 005 to 2 327)	(80.1 to 89.7)
Myanmar	355 327	645	52.3	1 006 447	1960	44.7
	(307 093 to 402 527)	(559 to 728)	(39.7 to 65.8)	(935 340 to 1 080 868)	(1823 to 2102)	(41 3 to 48 1)
Philippines	530 282	513	98.2	1 361 830	1527	90.7
	(461 890 to 606 945)	(449 to 582)	(79.6 to 120.1)	(1 268 947 to 1 460 207)	(1422 to 1641)	(87.3 to 95.3)
Sri Lanka	(401050 to 000 545) 149 394 (131 503 to 160 035)	(445 to 562) 669 (587 to 760)	129.3 (107.0 to 154.5)	463 477 (420 005 to 408 611)	1913	121.0 (116 0 to 126 2)
Seychelles	(151505(0109925) 824 (7244-020)	774	104.2	2 536	2 228	95.4
Thailand	816 798	1 084	36.0	2 886 211	3 122	29.0
Timor-Leste	(721207t0915096)	(956 to 1 212)	(23.0 to 51.6)	(2 657 406 to 3 128 610)	(28/6 to 3 381)	(26.4 to 32.1)
	6 849	566	92.6	16 622	1759	84.0
Vietnam	(5 778 to 8 067)	(481 to 662)	(79.2 to 106.9)	(15 476 to 17 780)	(1638 to 1886)	(80.9 to 87.9)
	844 886	821	72.7	2 423 058	2376	62.3
Sub-Saharan Africa	(737 516 to 962 944)	(718 to 932)	(56.9 to 89.7)	(2 246 430 to 2 608 362)	(2 204 to 2 554)	(59.7 to 65.6)
	5 090 705	562	-16.8	11 177 501	1 703	-18.6
Central sub-Sabaran Africa	(4 385 621 to 5 908 108)	(493 to 638)	(-20.3 to -13.6)	(10 428 363 to 12 021 346)	(1 582 to 1 834)	(-19.8 to -17.7)
	856 081	751	-16.7	1 873 278	2 334	-18.4
	(738 450 to 985 218)	(660 to 849)	(-21.9 to -11.5)	(1 737 190 to 2 023 688)	(2 166 to 2 534)	(-19.7 to -17.3)
	227 429	887	-20.7	475 233	2 734	-23.7
Control African Depublic	(196 264 to 260 998)	(775 to 996)	(-26.0 to -14.5)	(439 997 to 515 624)	(2 535 to 2 973)	(-25.5 to -22.2)
	33 517	738	-13.6	78 179	2 352	-12.5
	(28 489 to 39 491)	(634 to 854)	(-19.6 to -6.4)	(71 888 to 86 166)	(2 160 to 2 587)	(-13.5 to -11.5)
	40 694	845	-19.7	98 194	2 620	-19.8
Congo (Brazzaville)	(35 363 to 46 934)	(742 to 962)	(-25.6 to -13.8)	(91 108 to 106 533)	(2 431 to 2 845)	(-21.1 to -18.5)
	526 541	693	-16.0	1 158 233	2 161	-17.4
DR Congo	(450 018 to 611 636)	(605 to 786)	(-22.5 to -10.0)	(1 074 163 to 1 251 269)	(2 004 to 2 343)	(-18.7 to -16.2)
	10 954	867	-4.9	20 760	2 523	-13.7
Equatorial Guinea	(9 381 to 12 812) 16 947	(756 to 989)	(-11.9 to 2.6)	(19 263 to 22 427) 42 679	(2 337 to 2 738) 3 092	(-16.1 to -11.6)
Gabon	(14 727 to 19 342)	(880 to 1 141)	(-27.4 to -16.9)	(39 609 to 46 196)	(2 872 to 3 345)	(-23.5 to -21.4)
Eastern sub-Saharan Africa	(1 620 923 to 2 208 244)	(497 to 642)	(-21.4 to -14.5)	(3 736 311 to 4 323 682)	(1583 to 1838)	(-20.4 to -18.4)
Burundi	(54 770 to 72 428)	(606 to 781)	-28.0 (-32.5 to -22.6)	(125 354 to 145 823)	(1948 to 2 280)	-27.4 (-28.6 to -26.3)
Comoros	4 699 (4 095 to 5 336)	(609 to 784)	-28.1 (-33.0 to -23.2)	(10 993 to 12 791)	(1952 to 2 272)	-30.2 (-31.5 to -29.2)
Djibouti	8 028	777	-16.6	19 361	2 328	-17.8
	(6 899 to 9 160)	(678 to 879)	(-22.0 to -11.0)	(17 968 to 20 922)	(2 166 to 2 523)	(-18.9 to -16.7)
Eritrea	34 840	670	-17.8	72 707	1 963	-18.9
	(29 933 to 40 052)	(586 to 760)	(-22.8 to -11.2)	(67 380 to 78 742)	(1 816 to 2 134)	(-20.1 to -17.7)
Ethiopia	339 143	390	-38.7	727 670	1 204	-39.4
	(280 396 to 413 509)	(331 to 458)	(-42.0 to -35.7)	(676 923 to 782 426)	(1 119 to 1 297)	(-40.9 to -38.1)
Kenya	298 792	711	1.8	655 045	2 104	0.0
	(252 730 to 354 710)	(614 to 819)	(-2.6 to 6.2)	(604 853 to 708 350)	(1 944 to 2 281)	(-0.8 to 0.8)
Madagascar	145 408	657	-23.6	313 009	1 975	-26.1
	(125 723 to 167 745)	(574 to 737)	(-29.1 to -17.8)	(291 101 to 338 099)	(1 835 to 2 144)	(-27.7 to -24.9)
Malawi	64 910	435	-21.8	138 709	1 292	-23.7
	(55 340 to 75 495)	(379 to 490)	(-27.6 to -15.5)	(129 065 to 148 847)	(1 205 to 1 388)	(-25.2 to -22.6)
Mozambique	153 527	619	2.5	307 480	1 822	-3.4
	(131 995 to 177 226)	(542 to 698)	(-6.0 to 11.3)	(286 096 to 333 054)	(1 692 to 1 981)	(-4.7 to -2.1)
Rwanda	78 549	718	-32.0	173 639	2 119	-33.5
	(68 285 to 91 071)	(632 to 814)	(-36.6 to -26.9)	(161 246 to 187 387)	(1 968 to 2 289)	(-35.0 to -32.3)
Somalia	103 607	731	-9.7	220 858	2 246	-9.8
	(87 747 to 122 270)	(630 to 837)	(-15.5 to -3.1)	(203 693 to 241 505)	(2 070 to 2 462)	(-10.6 to -8.9)
South Sudan	61 813 (53 075 to 71 879)	744 (654 to 845)	-0.1 (-6.1 to 6.2)	131 650 (121 512 to 143 175)	2 276 (2 106 to 2 483)	0.9
Tanzania	239 805	516	-12.2	527 488	1549	-13.1
	(206 054 to 278 628)	(453 to 581)	(-18.8 to -5.4)	(491 490 to 565 814)	(1448 to 1661)	(-14.2 to -12.2)
Uganda	203 889	640 (562 to 731)	2.0	406 134 (276 766 to 426 297)	(1446 to 1001) 1903 (1774 to 2048)	2.5 (1 1 to 2 7)
Zambia	(173 213 (0 230 513) 84 994 (73 106 to 08 407)	(505 to 721) 577 (507 to 648)	-24.6	177 060 (164 618 to 100 481)	1720	-25.4
Southern sub-Saharan Africa	590 513 (502 259 to 689 197)	768 (659 to 888)	-25.1 (-27.9 to -21.8)	1 515 647	2 264 (2 091 to 2 468)	-29.3 (21.2 to 27.5)
Botswana	14 551	650 (570 to 333)	8.1 (1.1 to 15.4)	36 839	1927	6.4 (4.0 to 8.0)
Lesotho	15 658	(37010737) 810 (700 to 032)	30.5	37 615	2 390	26.1
Namibia	17 469	758	-11.1	41 635	2 240	-14.1
South Africa	456 862	811	-32.5	1 209 288	2 363	(-15.3 to -12.8) -36.4
Swaziland	9 465	(687 to 946) 864	(-35.7 to -28.9) 6.6	(1 112 684 to 1 319 123) 20 916	(21/6 to 2582) 2535	(-38.4 to -34.5) 2.4
Zimbabwe	(8 130 to 11 009)	(750 to 986)	(-1.1 to 14.5)	(19 275 to 22 850)	(2 336 to 2 779)	(1.0 to 4.0)
	76 508	576	14.9	169 354	1 714	17.6
Western sub-Saharan Africa	(65 357 to 89 540)	(500 to 662)	(6.9 to 23.9)	(157 377 to 182 613)	(1 589 to 1 855)	(15.9 to 19.5)
	1 757 612	458	-7.9	3 768 432	1 371	-11.0
Benin	(1 498 547 to 2 054 475)	(400 to 519)	(-12.7 to -3.1)	(3 517 353 to 4 025 686)	(1 285 to 1 467)	(-11.9 to -10.1)
	67 150	658	-11.6	144 255	2 010	-14.5
Burkina Faso	(57 257 to 79 132)	(572 to 750)	(-17.0 to -6.3)	(134 385 to 154 874)	(1 874 to 2 157)	(-15.9 to -13.1)
	53 686	261	38.4	117 504	841	35.3
Cameroon	(44 262 to 66 002)	(222 to 306)	(27.5 to 50.9)	(109 112 to 125 900)	(785 to 898)	(33.3 to 37.4)
	114 580	467	-24.8	246 554	1 400	-26.5
Cape Verde	(98 517 to 132 814)	(411 to 525)	(-30.4 to -19.2)	(229 864 to 263 621)	(1 305 to 1 503)	(-27.5 to -25.6)
	2 393	438	31.8	6 340	1 275	25.8
Chad	(2 085 to 2 768)	(385 to 503)	(23.5 to 40.3)	(5 940 to 6 759)	(1 194 to 1 361)	(24.0 to 27.4)
	57 988	446	8.0	117 762	1 387	7.5
Cote d'Ivoire	(48 621 to 67 513)	(391 to 504)	(1.0 to 15.9)	(109 923 to 125 837)	(1 294 to 1 483)	(6.5 to 8.9)
	106 983	473	-13.1	240 537	1 451	-14.1
The Cambia	(91 902 to 124 287)	(414 to 536)	(-18.9 to -7.0)	(224 993 to 256 907)	(1 355 to 1 552)	(-14.9 to -13.2)
	8 862	464	-8.1	19 272	1 396	-11.2
chere.	(7 589 to 10 423)	(406 to 529)	(-13.7 to -2.4)	(17 996 to 20 614)	(1 304 to 1 497)	(-12.1 to -10.3)
	162 014	582	22.3	370 734	1 702	16.6
Gnana	(141 204 to 187 500)	(510 to 661)	(12.9 to 32.1)	(345 920 to 397 129)	(1 588 to 1 825)	(15.4 to 17.9)
	48 438	467	-11.7	108 046	1 440	-14.5
Guinea	(41 744 to 56 133) 7 435	(411 to 525) 450	(-17.9 to -5.0)	(101 078 to 115 441) 15 813	(1 345 to 1 542) 1 375	(-16.3 to -12.9)
Guinea-Bissau	(6 375 to 8 643)	(396 to 510)	(-29.0 to -19.0)	(14 726 to 16 919)	(1281 to 1472)	(-27.2 to -24.8)
Liberia	(12 341 to 17 145) 77 153	(298 to 389)	(-29.3 to -18.1)	(30 423 to 34 931) 161 714	(982 to 1 126)	(-27.9 to -25.5)
Mali	(65 109 to 90 060)	(374 to 490)	(-27.2 to -18.0)	(150 438 to 172 933)	(1233 to 1416)	(-26.2 to -23.8)
Mauritania	(11 870 to 16 273)	(336 to 440)	-20.1 (-30.8 to -21.1)	(29 411 to 33 652)	(1092 to 1251)	-27.3 (-28.3 to -26.5)

	Incidence (95% UI)			Prevalence (95% UI)		
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017
Nigor	72 137	405	-19.5	143 522	1 2 4 3	-23.1
Niger	(60 106 to 85 255)	(352 to 462)	(-24.6 to -13.6)	(134 190 to 153 819)	(1 163 to 1 332)	(-24.4 to -21.8)
Nigeria	830 941	457	-7.1	1 741 697	1 3 4 7	-11.0
Nigeria	(702 111 to 977 830)	(398 to 523)	(-13.0 to -1.3)	(1 622 897 to 1 862 143)	(1263 to 1441)	(-11.9 to -10.0)
Sao Tome and Bringing	906	487	4.9	2 113	1 458	-0.5
Sao Tome and Principe	(781 to 1 060)	(426 to 556)	(-3.0 to 12.8)	(1 973 to 2 260)	(1 360 to 1 560)	(-2.1 to 1.2)
Conorrol	56 480	428	-16.1	129 375	1 301	-18.9
Seriega	(48 779 to 65 999)	(375 to 484)	(-22.0 to -10.2)	(120 848 to 138 165)	(1217 to 1393)	(-20.2 to -17.8)
Sigral cone	30 804	441	-15.8	68 075	1 3 3 9	-19.0
Sierra Leone	(26 702 to 35 625)	(387 to 496)	(-20.9 to -9.9)	(63 508 to 72 926)	(1248 to 1436)	(-20.4 to -17.7)
Togo	31 240	461	-12.9	70 988	1 381	-16.3
1050	(26 760 to 36 278)	(403 to 523)	(-18.7 to -6.8)	(66 283 to 75 914)	(1 290 to 1 478)	(-17.8 to -15.1)

Table 2: Mortality for 2017 and percentage change of	of age-standardised rates betwee	n 1990 and 2017 by location for road	d injuries			
	Mortality (95% UI)					
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017			
Global	1 243 068	15.8 (15.2 to 16.2)	-29.0			
Low SDI	210 016	20.6	-19.0			
	(197 673 to 222 927) 313 285	(19.4 to 21.8) 20.6	<u>(-27.2 to -4.8)</u> -21.1			
Low-middle SDI	(289 059 to 331 347)	(18.9 to 21.8)	(-29.0 to -14.2)			
Middle SDI	376 334 (357 728 to 389 646)	17.0 (16.2 to 17.6)	-27.4 (-33.7 to -22.7)			
High-middle SDI	234 727	15.0	-34.6			
	(223 744 to 243 437) 103 359	(14.3 to 15.5) 7.5	-39.8 to -30.5) -56.0			
וענ וואוו	(101 354 to 105 976)	(7.3 to 7.7)	(-57.1 to -54.8)			
Central Europe, Eastern Europe, and Central Asia	54 869 (53 678 to 56 296)	(11.6 to 12.2)	-45.7 (-47.0 to -43.9)			
Central Asia	10 767	11.8	-39.7			
Armenia	242	7.0	-58.9			
Amenia	(229 to 258)	(6.6 to 7.5)	(-61.7 to -55.4)			
Azerbaijan	(562 to 729)	6.2 (5.4 to 6.9)	-61.4 (-67.0 to -56.1)			
Georgia	724	17.4 (16.1 to 18.6)	-14.0			
Kazakhstan	2 767	14.9	-35.8			
	(2 555 to 2 999)	(13.8 to 16.1)	(-40.4 to -30.1)			
Kyrgyzstan	(827 to 953)	(13.7 to 15.8)	-44.9 (-49.3 to -39.9)			
Mongolia	546 (480 to 626)	16.4 (14 5 to 18 7)	10.8 (-9.2 to 35.7)			
Taiikistan	645	7.6	-46.8			
	(577 to 724) 323	(6.8 to 8.5) 6 4	<u>(-53.4 to -39.3)</u> -65.8			
Turkmenistan	(289 to 365)	(5.8 to 7.3)	(-69.9 to -61.4)			
Uzbekistan	3 990 (3 483 to 4 535)	12.8 (11.2 to 14.5)	-30.0 (-39 0 to -20 2)			
Central Europe	10 977	8.0	-56.8			
	(10 629 to 11 375) 248	(7.7 to 8.2) 7.9	(-58.3 to -55.0) -39.5			
Albania	(201 to 304)	(6.4 to 9.7)	(-51.3 to -24.9)			
Bosnia and Herzegovina	269 (244 to 293)	6.4 (5.8 to 7.0)	4.9 (-11.3 to 19.5)			
Bulgaria	719	8.7	-41.3			
	(665 to 782) 379	(8.0 to 9.5) 7.3	-46.1 to -36.0) -61.0			
Croatia	(353 to 408)	(6.8 to 7.9)	(-63.9 to -57.7)			
Czech Republic	853 (794 to 918)	6.6 (6.1 to 7.1)	-53.1 (-56.8 to -49.1)			
Hungary	789	6.3	-69.1			
Macadania	(734 to 864) 161	(5.9 to 6.9) 6.5	-29.3			
Macedonia	(145 to 175)	(5.8 to 7.1)	(-38.4 to -21.4)			
Montenegro	(51 to 63)	(7.0 to 8.6)	-29.0 (-38.3 to -18.8)			
Poland	3 954	8.7 (8.1 to 0.2)	-60.9			
Bomania	2 184	9.4	-51.9			
	(2 044 to 2 330)	(8.8 to 10.0)	(-55.0 to -48.6)			
Serbia	(721 to 839)	(6.5 to 7.6)	(-57.4 to -45.5)			
Slovakia	442 (407 to 493)	7.0 (6.4 to 7.8)	-65.3 (-68.6 to -61.2)			
Slovenia	142	5.9	-73.9			
	(131 to 157)	(5.4 to 6.5)	(-76.3 to -71.2)			

	Mortality (95% UI)					
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017			
Eastern Europe	33 125 (32 284 to 34 221)	14.3 (13.9 to 14.7)	-42.0 (-43.7 to -39.7)			
Belarus	990	8.8	-60.3			
	(913 to 1 085)	(8.1 to 9.6)	(-63.7 to -55.4)			
Estonia	(78 to 104)	(5.0 to 6.7)	(-81.2 to -74.5)			
Latvia	212 (188 to 227)	9.2 (8.1 to 10.4)	-71.9			
Lithuania	325	9.2	-67.2			
	(302 to 351)	(8.5 to 10.1)	(-69.8 to -63.9)			
Moldova	(418 to 470)	(9.8 to 11.0)	(-65.0 to -59.9)			
Russian Federation	24 385	15.1 (14 7 to 16 0)	-40.4			
Ilkraine	6 681	14.0	-36.7			
Oklaine	(5 924 to 7 238)	(12.2 to 15.2)	(-44.8 to -31.0)			
High-income	(97 500 to 102 405)	(7.6 to 8.0)	-53.0 (-54.2 to -51.6)			
Australasia	2 023	6.3 (5.7 to 6.0)	-61.7			
Australia	1 661	6.1	-60.4			
Australia	(1 482 to 1 847)	(5.4 to 6.8)	(-64.9 to -55.9)			
New Zealand	(341 to 385)	(7.2 to 8.1)	-65.5 (-67.5 to -63.0)			
High-income Asia-Pacific	14 588 (12 067 to 15 248)	5.1	-70.4			
Brunei	68	16.5	-49.0			
Bruiler	(60 to 75)	(14.8 to 18.0)	(-55.3 to -42.4)			
Japan	(7 377 to 8 026)	(3.7 to 4.0)	-65.2 (-66.6 to -63.7)			
South Korea	6 643	9.3 (8 6 to 10 0)	-75.8			
Singanore	197	3.1	-64.2			
Jingapore	(181 to 213)	(2.8 to 3.3)	(-67.1 to -61.2)			
High-income North America	(45 107 to 48 711)	(11.1 to 12.1)	(-38.6 to -32.8)			
Canada	2 741 (2 558 to 2 923)	6.7 (6.2 to 7.2)	-54.9 (-58.2 to -51.6)			
Greenland	2	4.1	-65.6			
	(2 to 3)	(3.7 to 4.6)	(-71.3 to -57.2) -33.8			
USA	(42 452 to 45 928)	(11.6 to 12.6)	(-37.1 to -30.9)			
Southern Latin America	9 348 (8 564 to 10 232)	13.1 (12 0 to 14 3)	-8.6 (-16.2 to 0.7)			
Argentina	6 457	13.6	1.0			
	(5 751 to 7 270) 2 281	(12.2 to 15.3) 11.2	(-10.4 to 14.5) -29.9			
Chile	(1 995 to 2 595)	(9.8 to 12.7)	(-38.2 to -20.0)			
Uruguay	609 (537 to 681)	15.0 (13.2 to 16.8)	-6.4 (-18.5 to 5.4)			
Western Europe	26 747	4.9	-68.7			
	(25 935 to 27 579) 4	(4.7 to 5.0) 4.1	(-69.7 to -67.7) -54.4			
Andorra	(3 to 4)	(3.5 to 4.8)	(-63.2 to -42.5)			
Austria	481 (450 to 515)	4.4 (4.1 to 4.8)	-73.6 (-75.5 to -71.3)			
Belgium	1 035	7.0	-64.8			
	(969 to 1 107) 152	(6.6 to 7.5) 10.2	(-67.2 to -62.0) -60.1			
cyprus	(137 to 167)	(9.3 to 11.3)	(-67.5 to -53.9)			
Denmark	283 (263 to 304)	4.0 (3.7 to 4.3)	-69.8 (-72.2 to -67.2)			
Finland	289	4.2	-69.3			
	(270 to 310)	(3.9 to 4.5)	(-71.7 to -66.6)			

	Mortality (95% UI)					
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017			
France	4 053 (3 815 to 4 346)	5.5 (5.1 to 5.9)	-70.4 (-72.4 to -68.0)			
Germany	4 716 (4 218 to 5 274)	4.5 (4.0 to 5.0)	-67.9			
Greece	1 221	9.9 (0.2 to 10.6)	-49.7			
Iceland	14	3.7	-67.3			
Iroland	(13 to 15) 188	(3.4 to 4.0) 3.5	(-70.1 to -64.3) -74.2			
Ireland	(174 to 203)	(3.2 to 3.8)	(-76.3 to -71.8)			
Israel	(590 to 678)	(5.9 to 6.8)	(-46.6 to -38.1)			
Italy	5 710 (5 333 to 6 090)	6.1 (5.7 to 6.5)	-63.6 (-66.0 to -60.9)			
Luxembourg	38 (34 to 42)	5.4 (4.8 to 6.0)	-71.7 (-74.8 to -68.5)			
Malta	17 (16 to 19)	3.4 (3.2 to 3.7)	-52.9 (-56.9 to -48.2)			
Netherlands	856 (807 to 909)	3.7 (3.5 to 4.0)	-63.3 (-65.8 to -60.5)			
Norway	215 (208 to 223)	3.4	-64.9 (-66.3 to -63.1)			
Portugal	961 (202 to 1 022)	(5.5 (53.6) 6.5 (6.0 to 7.1)	-79.7			
Spain	2 452	4.2	-79.6			
Sweden	(2 299 to 2 625) 390	(3.9 to 4.5) 3.1	(-81.0 to -77.9) -67.9			
	(365 to 418) 334	(2.9 to 3.4) 3.1	(-70.2 to -65.5) -77.5			
Switzerland	(310 to 365)	(2.8 to 3.3)	(-79.3 to -75.2)			
United Kingdom	(2 618 to 2 766)	(3.4 to 3.6)	-63.2 (-64.2 to -61.9)			
Latin America and Caribbean	111 293 (106 737 to 115 259)	18.6 (17.9 to 19.3)	-35.8 (-38.5 to -32.9)			
Andean Latin America	11 169 (10 159 to 12 189)	18.8 (17.1 to 20.4)	-28.4 (-35.7 to -20.6)			
Bolivia	2 128	20.8 (15.8 to 25.4)	-53.4			
Ecuador	4 465	27.2	-10.4			
	(4 018 to 4 977) 4 577	(24.5 to 30.3) 14.0	(-19.8 to 0.2) -26.2			
Peru	(3 901 to 5 316)	(12.0 to 16.3)	(-37.8 to -12.4)			
Caribbean	(8 887 to 12 161)	22.1 (18.6 to 25.4)	-22.7 (-30.7 to -12.9)			
Antigua and Barbuda	7 (6 to 7)	7.0 (6.3 to 7.8)	-37.0 (-44.4 to -29.0)			
The Bahamas	60 (54 to 67)	15.1 (13.6 to 16.9)	-29.0 (-37.3 to -19.3)			
Barbados	31 (28 to 34)	(8 1 to 9 9)	-32.0 (-39.1 to -23.8)			
Belize	72 (65 to 78)	19.2 (17.4 to 20.7)	-20.1 (-34 4 to -7 3)			
Bermuda	7 (6 to 7)	8.0 (7.1 to 9.0)	-59.7 (-64 5 to -54 3)			
Cuba	1 121 (998 to 1 276)	8.1	-61.7			
Dominica	12 (11 to 12)	15.7	-13.5			
Dominican Republic	(11 (0 13) 3 152	(14.5 (0 17.3) 30.0 (25.24-24.0)	(-22.8 (0 -5.3) 35.5			
Grenada	(2 044 to 3 059) 12	(25.2 to 34.9) 9.6	-41.6			
	(11 to 13) 118	(8.7 to 10.4) 15.9	(-47.4 to -35.0) -15.5			
Guyana	(101 to 137)	(13.7 to 18.5)	(-28.3 to -1.2)			

	Mortality (95% UI)					
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017			
Haiti	4 487	42.9	-39.8			
	(3 029 to 6 032)	(28.3 to 58.7)	(-52.0 to -23.7)			
Jamaica	277	9.3	94.2			
	(222 to 330)	(7.5 to 11.1)	(52.3 to 134.1)			
Puerto Rico	446	10.1 (0.2 to 11.0)	-47.9			
Saint Lucia	25	12.9	-39.9			
Saint Vincent and the Grenadines	(22 to 28)	(11.5 to 14.3)	(-47.0 to -31.9)			
	12	9.5	-18.2			
Surfacement	(11 to 13)	(8.6 to 10.4)	(-27.3 to -7.9)			
	99	16.8	-28.6			
Suriname	(86 to 112)	(14.7 to 19.0)	(-39.1 to -17.6)			
Trinidad and Tobago	(171 to 255)	(11.3 to 16.8)	(-29.6 to 5.1)			
Virgin Islands	15	11.2	-36.1			
	(13 to 17)	(9.8 to 12.7)	(-46.0 to -24.2)			
Central Latin America	41 811	16.4	-38.4			
	(39 363 to 43 874)	(15.4 to 17.2)	(-42.5 to -35.3)			
Colombia	7 437	14.2	-41.6			
	(6 572 to 8 381)	(12.6 to 16.0)	(-49.0 to -33.8)			
Costa Rica	782 (704 to 860)	(11.5 to 13.6) 15.7 (14.1 to 17.2)	-20.1			
El Salvador	1 282	21.4	-34.4			
Guatemala	(1 061 to 1 554)	(17.7 to 25.9)	(-46.2 to -19.6)			
	2 692	17.4	-8.7			
	(2 351 to 3 087)	(15.1 to 19.8)	(-21.1 to 4.6)			
	1 294	16.5	-30.7			
Honduras	(979 to 1 581)	(12.3 to 20.2)	(-46.8 to -11.2)			
Mexico	(19 427 to 20 909)	(15.4 to 16.6)	(-44.3 to -39.2)			
Nicaragua	654	11.0	-50.6			
	(558 to 766)	(9.5 to 12.8)	(-58.2 to -42.5)			
Panama	512	12.9	-41.8			
	(469 to 557)	(11.8 to 14.0)	(-47.2 to -36.3)			
Venezuela	6 988	22.0	-30.0			
	(5 856 to 8 378)	(18 5 to 26 3)	(-41 6 to -16 7)			
Tropical Latin America	47 773	20.4	-37.0			
	(45 698 to 49 554)	(19.6 to 21.2)	(.39.8 to .33.6)			
Brazil	46 282	20.4	-37.9			
Paraguay	(44 196 to 47 990)	(19.5 to 21.1)	(-40.7 to -34.4)			
	1 491	22.3	31.1			
North Africa and Middle Fast	(1 221 to 1 816)	(18.3 to 27.1)	(5.1 to 63.6)			
	131 692	23.2	- 43.9			
	(115 130 to 152 258)	(20.1 to 27.0)	(-50.8 to -35.6)			
	131 692	23.2	-43.9			
North Africa and Middle East	(115 130 to 152 258)	(20.1 to 27.0)	(-50.8 to -35.6)			
Afghanistan	8 692	33.3	-36.3			
	(6 911 to 10 727)	(26.8 to 40.8)	(-55.9 to 83.5)			
Algeria	6 905	17.4	-50.8			
	(5 516 to 11 141)	(13.8 to 28.4)	(-58.3 to -41.9)			
Bahrain	128	9.8	-60.4			
	(113 to 147)	(8.7 to 11.0)	(-65.0 to -54.0)			
Egypt	26946	31.9 (21.7 to 41.0)	-39.5			
Iran	21 124	26.1	-51.7			
Iraq	(20 681 to 22 147)	(25.6 to 27.4)	(-59.6 to -46.7)			
	3 773	9.5	-64.6			
larden	(3 433 to 4 205)	(8.7 to 10.5)	(-70.6 to -49.8)			
	1 110	11.7	-54.9			
Jorgan	(989 to 1 249)	(10.4 to 13.1)	(-61.7 to -46.2) -48 5			
Kuwait	(477 to 575)	(12.4 to 15.1)	(-52.8 to -43.6)			
Lebanon	562	6.9	-4 / .8			
	(376 to 689)	(4.5 to 8.3)	(-67.0 to -33.8)			

Location 2017 counts 2017 age-standardised rates primade direct between 1990 and 2017 Libya 1701 25.3 27.9 Borne (137 to 2607) (130 to 32.2) (157 to 2.80) Morocco (588 tot 1189) (152 to 13.9) (127 to 2.80) Palettine (319 tot)7 (130 tot 32.2) (157 to 2.80) Oman (152 to 2.18) (148 to 55.1) (163 2 to 3.8) Gatar (462 to 740) (20 to 180.4) (159 tot 3.0) Gatar (462 to 740) (20 to 130.4) (156 tot 3.1) Stada (1203 9) 36.7 -28.2 Stadan (1203 9) 36.7 -28.2 Stadan (1203 9) 36.7 -28.2 Stadan (1203 9) 30.4 (55 tot 3.1) Turitisi (120 13 86.1) (20 tot 3.1) (55 tot 3.1) Turkay (28 tot 4.92) (24 tot 9.2) 30.4 Gatar (29 tot 5.92) (24 tot 9.2) (26 tot 3.2) Turkay (28 tot 5.2) (28 tot 5.2) (28 t		Mortality (95% UI)					
Libya 1.701 2.3.3 2.7.9 Merocco 7.2.64 2.0.6 4.3.3 Pietstine 1.3.10.07.9 (7.2.10.5.3) (6.5.10.5.6) Pietstine 1.3.10.07.1 (7.2.10.5.3) (6.5.2.10.5.6) Oman 1.1.50.07.1 (7.2.10.5.3) (6.5.2.10.5.6) Otaar (6.5.2.10.5.6) (7.2.10.5.1) (6.5.2.10.5.8) Qutar (6.6.2.10.7.0.6) (2.0.1.10.0.6) (4.8.8.101.3.4) Saudi Arabia (8.2.10.13.862) (2.2.1.10.0.6) (4.8.8.101.3.4) Sudi Arabia (8.1.0.13.862) (2.2.1.10.3.1) (6.5.2.102.8) Sudi Arabia (1.4.10.10.11.5.862) (2.2.1.10.3.1) (6.5.2.102.8) Turida (1.4.10.10.11.5.862) (2.2.1.10.3.1) (6.5.2.102.8) Turkey (1.7.7.6.3.0.5.20) (9.3.10.1.3.1) (4.7.5.5.2.8) United Arab Emirotes (2.8.0.5.6) (9.3.10.1.3.1) (4.7.5.10.2.8.0) South Arabia (2.9.2.10.3.7.1) (4.5.10.1.2.0) 3.8.7 Turkey (7.7.5.10.5.2.0) (9.3.0.1.1.4) (4.	Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017			
Morocco 17.764 20.6 43.3 Palestine 335 8.5 60.1 1316 do07 (7.710.5) (5.8110.38.6) 60.1 Oman 1950 47.1 57.4 53.4 53.5 Otan (15.77 to 2.51) (5.8110.38.6) (5.810.60.1) (6.8210.38.6) Oator (6.70.0) (20.110.80.1) (6.8210.30.1) (6.8210.30.1) (6.8210.30.1) (6.8210.30.1) Sudi Arabia (8.2210.118.80.1) (9.310.3.1) (6.6210.4.2) (6.60.70.2.9.1) (6.6210.4.2) Sudan (19.032.562.1) (3.910.3.8) (6.07.0.2.9.1) (7.82.6) Turisia (14.18.0.2.110) (9.310.13.8) (6.07.0.2.9.1) (7.82.70.2) Turisia (2.910.492.5) (2.410.97.1) (5.52.10.20.0) (9.310.13.8) (6.07.0.2.9.1) Turisia (2.910.492.5) (2.410.97.1) (5.52.10.20.0) (9.310.13.8) (6.07.0.2.8.0) Turisia (2.910.492.5) (2.410.97.1) (4.51.01.2.0) (1.45.10.12.0) (1.45.10.12.0) Uni	Libya	1 701 (871 to 2 607)	25.3 (13.0 to 39.2)	-27.9 (-55.1 to -5.6)			
Ibsel (1) (b)	Morocco	7 264	20.6	-43.3			
Hallowin (B3 10 407) (7.7 to 9.5) (45.1 to 39.0) Oman (157 to 244) (34.1 to 56.1) (46.3 to 36.6) Qatar (62 to 704) (20.1 to 30.4) (48.8 to 13.4) Qatar (62 to 704) (20.1 to 30.4) (48.8 to 13.4) Saudi Arabia (22.2 to 14.84) (25.9 to 44.1) (56.2 to 4.2) Sudan (11.7 to 15.62) (22.9 to 77.3) (46.6 bro 38.1) Syria (11.8 to 51.10) (0.3 to 18.8) (46.0 to 79.1) Turisia (21.1 to 45.2) (24.1 to 37.1) (45.7 to 79.6) Turisia (21.1 to 45.2) (24.1 to 37.1) (45.7 to 79.6) United Arab Emirates (2.8 0.1 to 45.90) (23.5 to 45.6) (40.1 to 12.0) Yenen 9.556 38.4 4.4.8 (22.3 to 13.692) (12.8 to 55.6) (40.1 to 12.0) Yenen (25.2 to 13.209) (15.4 to 13.3) (44.0 to 7.0) South Asia (23.2 to 13.2 30.9) (15.4 to 13.3) (44.0 to 7.0) South Asia (23.2 to 13.3 20.9) (15.4 to 13.3) (44.0 to 7.0	Palectine	(5 384 to 11 891) 355	(15.2 to 33.9) 8.5	(-57.3 to -28.0) -50.1			
Oman (1 572 to 2 346) (38.1 or 5.1) (43.2 to 38.6) Oxtar (465 to 704) (20.1 to 30.4) (48.8 to -13.4) Sudd Arabia (662 to 704) (20.1 to 30.4) (48.8 to -13.4) Sudd Arabia (642 to 714) (25.5 to 44.1) (55.2 to 4.2.2) Sudan (10.92) 30.4 (55.5 to 4.6.1) (66.0 to -38.1) Syria (1.418 to 2.100) (9.3 to 13.8) (60.7 to -20.1) Turlisia (2.913 to 4.525) (2.4 to 37.1) (55.2 to -20.6) Turkey (7.753 to 9.520) (9.3 to 11.4) (47.5 to -28.0) United Arab traites (2.803 to 4.96) (39.5 to 6.1.1) (45.1 to 17.2) Yemen (7.72 ato 13.6 29) (2.8 to 56.0) (60.1 to 12.0) South Asia 20.9 560 7.7 2.8 Yemen (7.2 ato 13.3 2.9) (15.4 to 13.3) (14.4 to 7.0) South Asia 20.9 540 7.7 2.8 Yemen (2.20 to 13.2.9) (15.4 to 13.3) (14.4 to 7.0) South Asia 20.9 20 17.9 -2.		(313 to 407)	(7.7 to 9.5)	(-58.1 to -39.6)			
Qatar 574 24.8 33.4 Gatar (62 to 704) (20.1 to 30.4) (48.8 to 13.4) Saudi Arabia 12 039 36.7 28.2 Sudan 10 692 30.4 55.5 Syria 11 748 11.6 45.6 Syria 1748 11.6 45.6 Tunisia 20.2 to 42.31 (65.0 to 38.1) Turksy 8604 0.3 38.7 United Arab Emirates 20.6 45.95 (24.1 to 37.1) (45.2 to 2.6.6) United Arab Emirates 36.6 64 0.9 17.2 Yemen 7.72 to 13.6 29.0 (28.1 to 14.0) (46.1 to 12.0) South Asia 20.2 to 40 7.9 -2.8 South Asia (23.2 to 13.3 2.90) (14.4 to 7.7) -2.8 South Asia (23.2 to 14.1 to 37.8) (14.4 to 7.7) -2.8 South Asia (23.2 to 10.3 3.2 09.1 (14.4 to 7.7) -2.8 -2.4 -3.4 South Asia (23.2 to 13.2 09.1 (15.2 to 13.3) (14.4 to 7.7) -2.8 -2.8	Oman	(1 572 to 2 346)	(38.4 to 56.1)	(-63.2 to -38.6)			
Saudi Arabia 12 (39) 36,7 -28.2 Sudan (16 822) 30,4 -55,5 Sudan 10 692 30,4 -55,5 Syria 1,748 11,6 -45,6 Turisia 1,748 11,6 -45,6 Turisia 2,019,10 -3,10 -55,210-20,6 Turisia 2,013,10 (-47,510-28,0) -3,87 Turkey 8,004 10,3 -3,87 United Arab Emirates 2,031,04 -47,510-28,0) Yemen 2,032,04 49,9 -47,2 Yemen 2,032,04 -44,8 2,032,04 17,9 -2,8 South Asia 2,030,40 17,9 -2,8 2,030,40 17,9 -2,8 -2,8 3,04,41,41,42,10,7,0) 13,249,10 (14,24,10,7,0) -2,8 South Asia 2,132,020,10 (15,44,10,3,2) (14,40,10,7,0) South Asia 2,132,020,10,137,8 (15,44,10,10,2,0) -2,8 South Asia 2,132,020,137,8<	Qatar	574 (462 to 704)	24.8 (20.1 to 30.4)	-33.4 (-48.8 to -13.4)			
Barling (1921)	Saudi Arabia	12 039	36.7	-28.2			
Journal (B 170 to 15 862) (2.2 y to 47.3) (66.0 to -38.1) Syria 1748 11.6 45.6 Syria (1418 to 2110) (9.3 to 13.8) (60.7 to -29.1) Tunisia (2 913 to 4 525) (24.1 to 37.1) (55.2 to -20.6) Turkey (7 753 to 9 520) (9.3 to 11.4) (47.5 to -28.0) United Arab Emirates (2 803 to 4 596) (39.5 to 61.1) (45.1 to 17.2) Yemen (7 228 to 13 629) (28.8 to 56.0) (60.1 to 12.0) South Asia (2 52 306 to 313 209) (15.4 to 19.3) (14.0 to 7.0) South Asia (2 52 306 to 313 209) (15.4 to 19.3) (14.0 to 7.0) Bangladesh (9 120 to 13 748) (6.5 to 9.6) (16.6 to 35.8) (2 10 734 to 231141) (15.7 to 18.1) (18.3 to -0.6) (18.3 to -0.6) Nepal (3 20 to 10 25.5) (25.1 to 39.3) (21.9 to 55.9) 9.5 Buttan (3 22 58 to 6) 115) (17.9 to 38.8) (2.8 to 63.0) 29.5 Pakistan (3 22 58 to 6) 115) (17.9 to 38.8) (2.8 to 63.0) 29.5	Sudan	10 692	(25.9 to 44.1) 30.4	-55.5			
Syria (14 10 2 110) (9.3 to 13.8) (60.7 to -20.1) Tunisia (2.91 to 4525) (2.41 to 10.7 1.1) (55.2 to 20.6) Turkey 8 604 10.3 -38.7 Turkey (7 to 59 520) (2.91 to 10.7 1.1) (47.5 to 28.0) United Arab Emirates (2.83 to 45 96) (3.5 to 11.1) (47.5 to 28.0) Yemen (2.83 to 45 96) (3.8 to 50.1) (4.5 to 17.2) Yemen (2.83 to 13.6 29) (2.8 to 56.0) (6.0 to 12.0) South Asia (2.93 to 0.13 co.9) (15.4 to 19.3) (14.0 to 7.0) Bangladesh (1.1798) 8.2 4.9 Bhutan (51 to 0.13 7.48) (5.5 to 9.6) (16.6 to 13.8) India (21 21.4 to 23.114.1) (15.7 to 18.1) (14.0 to 7.0) Nepal (51 20.6 to 13.209) (2.5 to 0.6 to 13.209) (2.5 to 0.6 to 13.209) Bhutan (51 10.6 b) (5.9 to 9.6) (6.8 to 10.4.7) India (21 274 to 23.114.1) (15.7 to 18.1) (14.8 to 6.6.0) Nepal (61 27 to 28.8) (2.1.9 to 3.0)	Judin	(8 170 to 15 862) 1 748	(22.9 to 47.3)	(-66.0 to -38.1) -45.6			
Tunisia 3 669 30.2 38.7 Turkey (2 913 tot 325) (2.4.1037.1) (55.2 to 2.0.6) Turkey 8 604 10.3 38.7 United Arab Emirates 3 649 49.9 -1.7.2 Yemen (2.803 tot 3956) (3.95 tot 31.1.4) (4.5.1 tot 7.2) Yemen (2.803 tot 3360) (2.803 tot 3560) (6.01 tot 7.0) South Asia (2.23 tot 313 209) (5.4 tot 9.3) (1.40 tot 7.0) South Asia (2.23 tot 313 209) (5.4 tot 9.3) (1.40 tot 7.0) Bangladesh (9 120 tot 37.48) (6.5 tot 9.6) (1.66 tot 3.8) Bhutan (5 110 86) (5.9 tot 9.6) (6.60 tot 4.3.7) India (21 17.4 tot 23.1) (1.43 tot -0.6) (6.7 tot 9.8) (2.82 tot 6.1) Nepal (6 7.7 7 2.6.6 12.7 (9.2 tot 30.2) (2.14 tot 3.1 1.1.1 (3.13 tot 3.1.2.1.1 Nepal (3 2.25 tot 6.0.15.1) (1.2 tot 3.2.1.1.1 (2.82 tot 6.3.0) (3.2 tot 3.2.1.1.1.1 (2.8 tot 3.0.1.1.1.1.1 (2.8 tot 3.0.1.1.1.1.1.1 (2.8 tot 5.6.1.1.1.1.1.1.1	Syria	(1 418 to 2 110)	(9.3 to 13.8)	(-60.7 to -29.1)			
Turkey 8 604 10.3 38.7 United Arab Emirates 3 649 (9.3 to 11.4) (47.5 to -28.0) United Arab Emirates 3 649 (9.9 to 11.4) (47.5 to -28.0) Vermen 9 556 38.4 -44.8 (228 to 13 629) (28.8 to 56.0) (6.0 to 12.2) South Asia (290 540 17.7 -2.8 (253 208 to 313 209) (15.4 to 13.3) (14.0 to 7.0) South Asia (253 208 to 313 209) (15.4 to 13.3) (14.0 to 7.0) Bangladesh (9 120 to 13 748) (6.5 to 9.6) (16.6 to 35.8) Bhutan (51 to 86) (5 to 9.6) (68.0 to -37.7) India (201 734 to 231 141) (15.7 to 18.1) (18.3 to -0.6) Nepai (3 20 to 10 235) (15.2 to 3.9) (21.7 to 15.9) Pakistan (217 34 to 231 141) (15.7 to 18.1) (18.3 to -2.1) Nepai (3 220 to 10 235) (15.2 to 3.9) (21.7 to 35.8) (22.4 to 35.7) South Asia (261 267 to 288 588) (14.9 to 16.3) (21.7 to 35.8) (22.4 t	Tunisia	3 669 (2 913 to 4 525)	30.2 (24.1 to 37.1)	-38.7 (-55.2 to -20.6)			
United Arab Emirates (7/83 t0 920) (9/3 t0 114) (4/3 t0 -26.0) United Arab Emirates (2 803 to 4 96) (39.5 to 61.1) (4.4 1 to 17.2) Yemen (2 203 to 4 96) (39.5 to 61.1) (4.4 to 17.2) Yemen (2 228 to 13 629) (28.8 to 56.0) (60.1 to 12.0) South Asia (223 to 13 209) (15.4 to 19.3) (14.0 to 7.0) South Asia (253 208 to 31 3 209) (15.4 to 19.3) (14.0 to 7.0) Bangladesh (9 120 to 13 748) (6.5 to 9.6) (16.6 to 35.8) Bhutan (21 21 8 376) 17.2 -9.2 India (201 724 to 231 141) (15.7 to 18.1) (18.10 - 6) Nepal (3 52 004 10 235) (15.2 to 39.3) (21.0 to 5.9) Pakistan (21 274 to 231 141) (15.7 to 18.1) (18.10 co 5.0) Southeast Asia, East Asia, and Oceania (23 292 to 12 0 235) (15.2 to 39.3) (21.0 to 5.9) Pakistan (275 76 to 40 87 73) (15.6 to 6.2) (21.6 co 3.1) China (24 7 to 24 55 140) (48.6 to 6.2) (21.6 co 3.1)	Turkey	8 604	10.3	-38.7			
Intervalue (2803 to 4596) (39.5 to (31.1) (4.5.1 to 17.2) Yemen 9556 38.4 44.8 (7228 to 13 629) (28.8 to 56.0) (60.1 to 12.0) South Asia (232 08 to 312 209) (15.4 to 19.3) (14.0 to 7.0) South Asia (253 208 to 312 209) (15.4 to 19.3) (14.0 to 7.0) Bangladesh 91079 -2.8 (15.2 08 to 131 209) (16.5 to 35.8) Bhutan (9120 to 13 748) (6.5 to 9.6) (16.5 to 35.8) (15.7 0.8) (15.7 0.8) (16.5 to 35.8) Bhutan (201 734 to 231 141) (15.7 0.8) (12.7 0.9.2) 92.7 92.8 India (201 734 to 231 141) (15.7 0.8) (21.8 to 6.3.0) 12.7 Nepal 6 787 26.6 12.7 92.8 Southeast Asia, and Oceania (392 0 to 10.235) (15.1 0.8) (21.9 to 55.9) Southeast Asia, East Asia, and Oceania (397 67 51 0.48 73.8 (23.8 to 6.3.0) Southeast Asia, East Asia, and Oceania (27 57 67 15.6 72.4 72.4 China	United Arab Emirator	3 649	(9.3 to 11.4) 49.9	-17.2			
Yemen (7 228 to 13 629) (2.8.8 to 56.0) (6.6.1 to 12.0) South Asia 290 540 1.7.9 -2.8 South Asia (252 208 to 313 209) (15.4 to 13.3) (14.0 to 7.0) South Asia 290 540 1.7.9 -2.8 Bangladesh (9120 to 13 748) (6.5 to 9.6) (14.6 to 7.0) Bangladesh (9120 to 13 748) (6.5 to 9.6) (68.0 to 43.7) Bhutan 70 7.9 57.4 India (201 734 to 231 141) (15.7 to 18.1) (14.8 to -0.6) Nepal 6 787 26.6 12.7 Pakistan (22.28 to 69 15) (15.2 to 39.3) (21.9 to 55.9) Pakistan (32.28 to 69 15) (15.6 to 16.3) 32.7 Southeast Asia, East Asia, and Oceania 393 363 16.3 32.7 East Asia (261 267 to 288 788) (14.9 to 16.3) (31.0 to 15.9) Southeast Asia, East Asia, and Oceania 393 363 16.3 32.7 China (247 924 to 27.3) (15.6 to 16.3) 32.4 China		(2 803 to 4 596)	(39.5 to 61.1)	(-45.1 to 17.2)			
South Asia 290 540 17.9 -2.8 South Asia 230 540 17.9 -2.8 Bangladesh (253 208 to 313 209) (15.4 to 19.3) (14.0 to 7.0) Bangladesh (17.98 8.2 4.9 Bhutan (9 120 to 13 748) (6.5 to 9.6) (16.6 to 35.8) Bhutan 70 7.9 57.4 India (51 to 38.) (5.9 to 9.6) (68.0 to 43.7) India (201 734 to 231 141) (15.7 to 18.1) (18.3 to -0.6) Nepal (32 20 to 10 235) (21.9 to 55.9) 9.2 Pakistan (32 25 80 09) 2.9.7 2.9.8 Southeast Asia, East Asia, and Oceania 333 363 16.6.3 -27.2 Southeast Asia, East Asia, and Oceania (247 594 to 273 561) (14.5 to 16.3) (34.10 to 15.9) China (27 59 76 15.6 15.6 22.4 China (27 92 4 to 273 561) (14.8 to 16.2) (34.3 to -27.1) Actiona (372 to 87.46) (13.5 to 30.5) (1.6 to 80.1) Taiwan (Pro	Yemen	(7 228 to 13 629)	(28.8 to 56.0)	(-60.1 to 12.0)			
South Asia 290 540 17.9 1.2.8 (253 208 to 313 209) (15.4 to 19.3) (14.0 to 7.0) Bangladesh 11.79 8.2 4.9 (9 120 to 13 748) (6.5 to 9.6) (16.6 to 33.8) Bhutan (51 to 86) (5.9 to 9.6) (66.0 to 43.7) India (201734 to 231 141) (15.7 to 18.1) (14.8 to -6.6) Nepal 6 787 26.6 12.7 9.2 (3920 to 10 235) (15.2 to 39.3) (21.9 to 55.9) Pakistan 33009 29.7 29.8 Southeast Asia, East Asia, and Oceania 333 653 16.3 -27.2 East Asia (251 267 to 488 773) (15.5 to 16.9) (34.3 to -22.1) China (261 267 to 288 588) (14.9 to 16.3) (31.0 to -15.9) China (247 924 to 273 651) (14.8 to 16.2) (-30.7 to -14.9) North Korea 5 744 20.1 36.2 Taiwan (Province of China) 3 984 13.1 -66.6 127 70 (27.4 to 45.7) (4.8 to 3.7) -77.7<	South Asia	290 540 (253 208 to 313 209)	17.9 (15.4 to 19.3)	-2.8 (-14.0 to 7.0)			
(253 208 to 513 209) (15 4 208 to 513 209) (15 4 20 1 - 3) (14 0 to 7,0) Bangladesh (9 120 to 13 748) (6.5 to 9.6) (16.6 to 35.8) Bhutan (51 to 86) (5.9 to 9.6) (66.0 to 43.7) India (21 73 4 to 231 141) (15.7 to 18.1) (48.0 to 43.7) India (20 173 4 to 231 141) (15.7 to 18.1) (48.0 to 43.7) Nepal 6 787 26.6 12.7 9.2 (392 0 to 10 235) (15.2 to 39.3) (21.9 to 55.9) Pakistan 393 363 16.3 -77.2 Southeast Asia, East Asia, and Oceania 393 463 16.3 -27.2 East Asia (261 267 to 288 588) (14.9 to 16.3) (31.0 to -15.9) China (247 924 to 273 651) 11.8 to 16.2) (-30.7 to -14.9) North Korea 5 744 20.1 36.2 Taiwan (Province of China) 3 984 13.1 -66.6 127 5 70 12.6 to 20.1 -66.6 -21.8 American Samoa (4 to 5) (8.1 to 9.6) (40.3 to -15.7)	South Asia	290 540	17.9	-2.8			
Baingadesin (9 120 to 13 748) (6.5 to 9.6) (-16.6 to 35.8) Bhutan 70 7.9 -57.4 India (21 to 86) (5.9 to 9.6) (-6.6 to 43.7) India (20 73 to 231141) (15.7 to 18.1) (-16.8 to 0.5.9) Nepal 6 787 26.6 12.7 Nepal (32 20 to 10 235) (15.2 to 39.3) (-21.9 to 55.9) Pakistan (32 258 to 69 115) (17.9 to 38.8) (2.8 to 63.0) Southeast Asia, and Oceania 393 363 16.3 -27.2 East Asia (27 4 675 to 408 773) (15.6 to 16.9) (34.3 to -27.1) Southeast Asia, and Oceania 275 976 15.6 -22.4 (261 267 to 28 588) (14.9 to 16.3) (31.0 to -15.9) China (24 7 24 to 273 651) (14.8 to 16.2) (-16.1 to 80.1) Taiwan (Province of China) (3 772 to 8 746) (13.5 to 30.5) (-16 to 80.1) Taiwan (Province of China) (3 772 to 4257) (12.4 to 14.0) (-66.6 to 64.4) Oceania (27 77 to 4069) (24.7 to 35.7) (-35.	Dangladach	(253 208 to 313 209) 11 798	(15.4 to 19.3) 8.2	(-14.0 to 7.0) 4.9			
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Guam 23 13.6 -16.5 (20 to 25) (12.2 to 15.0) (-29.5 to -4.1) Kiribati 12 11.2 -7.7 (9 to 15) (8.8 to 13.5) (-29.3 to 16.7) Marshall Islands 12 24.5 -14.4 (9 to 15) (19.4 to 29.4) (-31.3 to 5.5) Northern Mariana Islands 5 11.1 -37.5 (4 to 6) (9.7 to 12.4) (-52.0 to -20.3)	Fiji	84 (73 to 97)	10.0 (8.7 to 11.4)	-21.1 (-38.4 to -3.7)			
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(9 to 15) (8.8 to 13.5) (-29.3 to 16.7) Marshall Islands 12 24.5 -14.4 (9 to 15) (19.4 to 29.4) (-31.3 to 5.5) Northern Mariana Islands 5 11.1 -37.5 (4 to 6) (9.7 to 12.4) (-52.0 to -20.3)	Kiribati	12	11.2	-7.7			
Marshall Islands 11.1 14.4 (9 to 15) (9 to 15) (19.4 to 29.4) (-31.3 to 5.5) Northern Mariana Islands 5 11.1 -37.5 (4 to 6) (9.7 to 12.4) (-52.0 to -20.3)		(9 to 15)	(8.8 to 13.5) 24 5	(-29.3 to 16.7) -14 4			
Northern Mariana Islands 5 11.1 -37.5 (4 to 6) (9.7 to 12.4) (-52.0 to -20.3)	Marshall Islands	(9 to 15)	(19.4 to 29.4)	(-31.3 to 5.5)			
	Northern Mariana Islands	5 (4 to 6)	11.1 (9.7 to 12.4)	-37.5 (-52.0 to -20.3)			

	Mortality (95% UI)							
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017					
Papua New Guinea	2 831	34.7	-26.6					
	(2 243 to 3 484)	(28.0 to 42.2)	(-42.1 to -8.6)					
Samoa	18	10.9	-16.0					
	(14 to 25)	(8 7 to 15 2)	(-34 5 to 5 0)					
Solomon Islands	(14 to 25) 117 (91 to 149)	21.7 (15.8 to 27.8)	-16.3 (-35.0 to 5.3)					
Tonga	(9 to 13)	12.1 (10.1 to 14.0)	-7.8 (-32.2 to 14.5)					
Vanuatu	(36 to 72)	21.0 (14.8 to 28.6)	-5.2					
Southeast Asia	(106 883 to 120 762)	17.3 (16.3 to 18.4)	-41.1 (-46.3 to -36.4)					
Cambodia	3 981	27.7	-40.5					
	(3 155 to 5 142)	(22.1 to 25.2)	(-52.3 to -22.6)					
Indonesia	35 626	14.5	-51.2					
Laos	(52 567 to 38 492) 1 690 (1 275 to 2 112)	(15.2 (0 15.7) 26.8 (20 5 to 22 5)	(-50.4 (0-40.5) -45.1					
Malaysia	(1 2 / 5 to 2 112) 6 946	23.3	-26.2					
Maldives	33	(20.0 (0 20.1) 8.4	-64.7					
Mauritius	(25 to 60) 165	(6.3 to 14.7)	-22.5					
Myanmar	(150 to 181)	(10.4 to 12.5)	-30.2 to -14.3)					
	10 942	20.7	-47.5					
Philippines	(9 203 to 13 089)	(17.6 to 24.6)	(-58.0 to -34.7)					
	10 940	11.6	4.8					
Sri Lanka	(9 482 to 12 600)	(10.1 to 13.3)	(-10.5 to 23.1)					
	2 795	12.3	-19.9					
Sevchelles	(2 318 to 3 320)	(10.2 to 14.6)	(-33.8 to -3.0)					
	14	13.4	15.0					
Thailand	(12 to 16)	(11.6 to 15.0)	(1.2 to 28.8)					
	19 183	24.7	-41.9					
Timor-l este	(16 832 to 21 609)	(21.8 to 27.5)	(-52.6 to -31.9)					
	118	10.5	-31.8					
Vietnam	(67 to 200)	(6.2 to 18.3)	(-56.6 to -11.3)					
	21 431	21.4	-24.3					
Sub-Sabaran Africa	(17 934 to 24 368)	(18.2 to 24.2)	(-39.7 to -6.9)					
	161 647	22.0	- 31.3					
	(150 086 to 173 753)	(20.5 to 23.6)	(-38.7 to -22.7)					
Central sub-Saharan Africa	(27 105 to 38 467)	(26.4 to 36.3)	(-40.3 to -7.3)					
Angola	6 781	28.6	-50.1					
	(5 592 to 8 207)	(23.5 to 34.9)	(-61.8 to -16.5)					
Central African Republic	3 495	85.5	5.6					
	(1 985 to 4 570)	(50.7 to 111.2)	(-21.9 to 62.3)					
Congo (Brazzaville)	1 229	28.6	-43.6					
	(944 to 1 552)	(22.4 to 35.4)	(-56.3 to -26.7)					
DR Congo	20 502	28.9	-20.8					
	(15 783 to 25 532)	(23.1 to 35.8)	(-36.3 to 9.4)					
Equatorial Guinea	225	20.9	-68.0					
Gabon	435	28.5	-34.7					
Eastern sub-Saharan Africa	52 980	21.5	-35.0					
Burundi			-33.8					
Comoros	(1 /99 to 3 045)	(27.7 to 46.6)	(-47.7 to -15.3)					
	113	20.7	-42.9					
Djibouti	(94 to 137)	(17.2 to 24.8)	(-55.0 to -27.9)					
	175	23.0	-27.2					
Eritrea	(125 to 251)	(16.6 to 32.0)	(-47.9 to 4.7)					
	1 287	33.0	-40.2					
	(913 to 1 627)	(24.6 to 40.6)	(-54.2 to -10.5)					

		Mortality (95% UI)							
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017						
Ethiopia	9 742 (8 867 to 10 837)	15.4 (14.0 to 16.9)	-57.2 (-64.7 to -40.4)						
Kenva	5 503	18.2	-12.9						
	(5 015 to 6 334) 3 475	(16.5 to 20.6) 20.8	-41.0 to 2.7) -35.8						
Madagascar	(2 827 to 4 271)	(17.0 to 25.1)	(-47.5 to -21.7)						
Malawi	2 227 (1 865 to 2 628)	19.4 (16 7 to 22 4)	-45.6 (-63 4 to 13 2)						
Mozambique	5 078	27.5	-17.0						
	(4 228 to 5 948) 2 661	(23.3 to 31.9) 33.3	<u>(-36.1 to 4.8)</u> -45.2						
Rwanda	(1 822 to 3 743)	(22.7 to 44.5)	(-57.4 to -27.8)						
Somalia	5 154 (2 772 to 7 410)	51.1 (27.8 to 72.0)	0.8 (-34.2 to 86.7)						
South Sudan	1 761	28.3	-11.2						
	(1 291 to 2 405) 5 560	(20.9 to 39.0) 15.4	<u>(-38.3 to 48.2)</u> -32.6						
Tanzania	(4 790 to 6 411)	(13.4 to 17.7)	(-47.5 to 1.0)						
Uganda	5 826 (4 239 to 7 496)	26.1 (18 9 to 33 3)	1.3 (-29 9 to 34 6)						
Zambia	2 098	19.8	-45.1						
	(1 794 to 2 435)	(17.2 to 22.6)	(-57.3 to -23.3)						
Southern sub-Saharan Africa	(18 838 to 21 651)	(26.0 to 29.5)	(-46.3 to -30.3)						
Botswana	299 (252 to 241)	15.1 (12 7 to 17 1)	-32.7						
Lesotho	803	45.0	20.9						
Lesotho	(635 to 981)	(35.7 to 54.4)	(-18.9 to 60.7)						
Namibia	451 (357 to 572)	22.0 (17.7 to 27.5)	-36.2 (-50.1 to -19.7)						
South Africa	15 504	28.2	-44.2						
Swariland	371	37.7	1.5						
Swaznand	(284 to 460)	(28.8 to 46.2)	(-33.3 to 35.6)						
Zimbabwe	(1 939 to 3 715)	25.4 (18.4 to 34.2)	7.8 (-32.2 to 42.0)						
Western sub-Saharan Africa	55 845 (40 700 to (2 000)	18.7	-24.1						
Donin	3 093	41.6	-31.0						
Benn	(1 880 to 4 280)	(25.0 to 56.0)	(-43.6 to -15.1)						
Burkina Faso	3 497 (2 885 to 4 178)	24.3 (20.2 to 28.1)	-12.4 (-29.6 to 9.9)						
Cameroon	4 108	23.0	-34.1						
Construction (Construction)	(3 215 to 5 192) 43	(18.3 to 28.4) 8.4	(-49.8 to -16.7) 12.3						
Cape Verde	(37 to 49)	(7.2 to 9.5)	(-4.4 to 32.1)						
Chad	2 602 (2 107 to 3 328)	25.5 (20.7 to 32.6)	10.9 (-10 6 to 35 9)						
Cote d'Ivoire	3 631	22.1	-20.0						
	(3 055 to 4 329) 286	(18.8 to 25.8) 21.1	(-36.9 to -1.3) -8.0						
The Gambia	(218 to 360)	(16.8 to 25.3)	(-30.2 to 16.8)						
Ghana	5 381 (4 579 to 6 363)	24.4 (21.1 to 28.0)	-3.7 (-28.5 to 20.7)						
Guinea	1 978	24.4	-20.9						
	(1 667 to 2 329) 388	(20.7 to 28.7) 32.6	<u>(-36.6 to -2.7)</u> -42.1						
Guinea-Bissau	(304 to 488)	(27.2 to 39.3)	(-54.0 to -27.6)						
Liberia	499 (406 to 641)	16.0 (13.1 to 19.2)	-39.1 (-51 3 to -24 0)						
Mali	3 109	20.1	-46.1						
	(2 493 to 3 997)	(16.5 to 26.8)	(-56.1 to -31.4) -44 7						
Mauritania	(571 to 785)	(19.3 to 27.4)	(-53.5 to -33.3)						

	Mortality (95% UI)						
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017				
Niger	2 542	18.1	-34.4				
Niger	(1 856 to 3 410)	(13.3 to 24.3)	(-45.7 to -17.5)				
Nigeria	19810	13.5	-28.3				
Nigeria	(13 745 to 25 758)	(9.8 to 18.0)	(-46.2 to -3.2)				
Sao Tome and Principe	24	15.9	8.4				
Sao Tome and Principe	(15 to 30)	(9.9 to 20.2)	(-24.8 to 40.5)				
Seneral	1 800	17.7	-19.6				
Jenegar	(1 454 to 2 679)	(14.5 to 24.7)	(-33.3 to -1.7)				
Sierraleone	1 245	22.7	-20.5				
Siella Leolle	(1 041 to 1 506)	(19.2 to 27.5)	(-35.4 to 2.4)				
Тодо	1 135	22.5	-16.1				
1050	(917 to 1 406)	(18.5 to 27.1)	(-38.6 to 8.0)				

Inj	Prev
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Table 3: YLLs. YLDs. and DALYs for 2017 and percent	are change of are-standardised ra	ites between 1990 and 2017 by lo	ation for road injuries						
		YLLs (95% UI)			YLDs (95% UI)			DALYs (95% UI)	
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between
Global	57 638 366 (55 500 786 to 59 369 191)	745 (718 to 767)	-34.4 (38.5 to .30.4)	10 159 667 (7 272 042 to 13 618 818)	126 (90 to 169)	2.2 (0.3 to 4.0)	67 798 033 (64 337 599 to 71 454 968)	871 (828 to 917)	
Low SDI	10 859 153 (10 166 644 to 11 594 703)	886 (834 to 942)	-24.5 (-33.2 to -7.0)	(637 927 to 1 173 872)	90 (66 to 119)	-2.2 (-4.2 to -0.1)	(10 984 026 to 12 569 333)	976 (917 to 1 041)	-22.8 (-31.3 to -6.5)
Low-middle SDI	15 605 391	923	-27.3	1 490 436	101	15.1	17 095 827	1 023	-24.6
	(14 473 161 to 16 583 346)	(855 to 979)	(-33.6 to -20.1)	(1 076 899 to 1 976 281)	(73 to 134)	(12.3 to 18.3)	(15 944 263 to 18 150 896)	(950 to 1 086)	(-30.9 to -17.8)
Middle SDI	(16 097 262 to 17 329 206) 10 209 177	(740 to 794) 705	-34.3 (-39.4 to -30.8) -40.0	(1984 422 to 3 717 378) 2 663 875	(86 to 161) 154	(25.5 to 35.2) 9.2	(18 517 456 to 20 647 763) 12 873 052	(844 to 936) 859	(-34.6 to -26.0) -34.8
High-middle SDI	(9 792 901 to 10 567 843)	(678 to 727)	(-44.4 to -36.5)	(1 915 102 to 3 602 346)	(111 to 209)	(6.4 to 12.1)	(12 004 007 to 13 868 911)	(806 to 917)	(-39.0 to -31.1)
	3 957 305	359	-59.3	2 302 189	151	-15.5	6 259 494	509	-51.9
Central Europe, Eastern Europe, and Central Asia	(3 869 315 to 4 056 500)	(350 to 368)	(-60.4 to -58.1)	(1 647 361 to 3 101 989)	(107 to 203)	(-16.4 to -14.6)	(5 596 961 to 7 053 358)	(465 to 562)	(-54.0 to -49.8)
	2 467 734	592	-46.8	959 498	184	-17.2	3 427 231	775	-41.8
Central Asia	(2 411 509 to 2 533 581)	(578 to 607)	(48.1 to 45.1)	(681 404 to 1 295 813)	(131 to 248)	(-18.9 to -15.4)	(3 153 810 to 3 762 701)	(722 to 840)	(-43.6 to -39.9)
	535 500	566	-42.2	118 437	133	-13.2	653 937	700	-38.2
	(502 802 to 571 612)	(524 to 604)	(45.6 to 28.2)	(84 146 to 158 821)	(95 to 179)	(-15.2 to -11.0)	(605 871 to 705 626)	(647 to 756)	(-41.6 to -34.7)
Armenia	10 429	328	-58.9	3 752	103	-22.6	14 181	431	-53.7
	(9 780 to 11 166)	(307 to 351)	(-62.0 to -55.5)	(2 678 to 5 063)	(73 to 138)	(-25.2 to -20.2)	(12 951 to 15 697)	(395 to 473)	(-56.8 to -50.5)
Azerbaijan	30 275	282	-63.8	12 131	111	-24.2	42 405	394	-57.5
	(26 561 to 34 656)	(246 to 322)	(-68.8 to -58.2)	(8 631 to 16 237)	(79 to 149)	(-26.7 to -21.5)	(36 829 to 48 269)	(342 to 447)	(-62.4 to -52.5)
Georgia	31 281 (28 765 to 33 468)	843 (774 to 901) 745	-15.2 (-22.5 to -7.7)	7 508 (5 328 to 10 142) 20 799	161 (114 to 217) 167	3.4 (1.3 to 5.5)	38 789 (35 490 to 42 105) 168 937	1 004 (924 to 1 081)	-12.7 (-19.2 to -6.2)
Kazakhstan	(126 987 to 150 230)	(685 to 809)	(-42.8 to -31.8)	(21 882 to 41 541)	(118 to 225)	(-11.0 to -5.4)	(154 680 to 183 426)	(835 to 990)	(-38.6 to -28.8)
	44 418	690	-48.4	7 437	132	-23.8	51 855	821	-45.6
Mongolia	(41 468 to 47 903)	(644 to 742)	(-52.7 to -43.6)	(5 321 to 9 963)	(94 to 176)	(-25.5 to -22.1)	(48 365 to 55 712)	(763 to 885)	(-49.6 to -41.2)
	28 237	815	6.2	5 105	163	17.6	33 342	978	8.0
Tajikistan	(24 670 to 32 344)	(717 to 930)	(-14.5 to 30.5)	(3 651 to 6 791)	(116 to 217)	(13.3 to 21.9)	(29 640 to 37 446)	(871 to 1 093)	(-10.4 to 28.4)
	35 082	372	-47.0	7 213	95	-22.5	42 295	468	-43.3
	(21 222 to 29 226)	(222 to 417)	(.52 5 to .29.2)	(5 178 to 9 649)	(68 to 127)	(-24.6 to -20.5)	(27 990 to 47 159)	(418 to 5 21)	(-49.2 to -26.7)
Turkmenistan	16 870	323	-66.5	5 786	120	-22.2	22 656	443	-60.4
	(15 029 to 19 187)	(289 to 368)	(-70.7 to -61.7)	(4 103 to 7 796)	(85 to 162)	(-24.9 to -19.2)	(19 945 to 25 610)	(390 to 502)	(-64.7 to -55.7)
Uzbekistan	200 760	599	-33.8	38 716	129	-5.4	239 476	728	-30.1
	(175 455 to 228 368)	(524 to 681)	(-42.4 to -24.3)	(27 532 to 51 867)	(92 to 173)	(-8.3 to -2.4)	(210 570 to 270 548)	(643 to 820)	(-37.8 to -21.7)
Central Europe	431 549	377	-58.5	343 646	225	-12.5	775 195	602	-48.4
	(417 252 to 447 596)	(364 to 392)	(-60.1 to -56.7)	(245 006 to 461 514)	(159 to 303)	(-14.2 to -10.7)	(676 651 to 893 787)	(537 to 679)	(-51.2 to -45.3)
Albania	(8 804 to 13 492)	(313 to 478)	(-51.6 to -24.1)	(4 848 to 9 162)	(141 to 267)	(3.4 to 11.9)	(14 573 to 21 288)	(485 to 704)	(-39.8 to -16.7)
	9965	285	10.3	8 953	200	48.4	18 917	486	23.4
Bosnia and Herzegovina	(9 003 to 10 955)	(258 to 315)	(-12.2 to 28.4)	(6 384 to 12 028)	(141 to 270)	(42.2 to 54.8)	(16 040 to 22 029)	(419 to 559)	(5.7 to 36.7)
Bulgaria	28 235	428	-42.5	21 295	217	-0.9	49 529	646	-33.0
Croatia	(26 031 to 30 827)	(391 to 468)	(-47.5 to -37.1)	(15 164 to 28 848)	(154 to 295)	(-3.4 to 1.6)	(42 889 to 56 993)	(572 to 730)	(-37.8 to -28.3)
	14 460	350	-61.8	14 689	254	-11.2	29 149	604	-49.7
Czech Republic	(13 383 to 15 618)	(323 to 378)	(+65.0 t0+58.4)	(10 353 to 19 625)	(180 to 342)	(-12.910-9.4)	(24 /80 to 34 041)	(529 to 690)	(-53.5 t0 -46.1)
	31 491	307	-56.2	37 482	264	-0.1	68 973	571	-40.8
	(29 196 to 22 952)	(284 to 321)	(-59.7 to -52.2)	(26 758 to 50 022)	(187 to 355)	(-2.110-2.0)	(59 226 to 91 722)	(492 to 662)	(-45.2 to -26.2)
Hungary	(26 822 to 31 891)	287 (265 to 315)	-71.1 (-73.4 to -68.1)	25 828 (18 491 to 34 770)	197 (140 to 266)	-24.0 (-25.9 to -22.4)	(46 963 to 64 191)	484 (421 to 557)	-61.3 (-64.5 to -57.9)
Macedonia	6 879	317	-32.5	5 327	193	3.0	12 206	509	-22.4
	(6 191 to 7 563)	(284 to 351)	(-40.4 to -24.3)	(3 784 to 7 176)	(136 to 260)	(-0.1 to 6.6)	(10 454 to 14 097)	(444 to 583)	(-29.1 to -15.8)
Montenegro	2 262 (2 039 to 2 527)	355 (318 to 397)	-34.8 (-43.1 to -24.9) -62.2	1 698 (1 206 to 2 284)	216 (153 to 291) 240	1.3 (-0.7 to 3.2)	3 960 (3 408 to 4 605) 282 549	571 (496 to 659) 654	-24.7 (-31.6 to -16.7)
Poland	(149 273 to 171 897) 85 556	(384 to 446) 449	-62.2 (-65.0 to -58.9) -53.4	(87 391 to 164 610) 54 275	(170 to 322) 206	(-17.2 to -12.4) -17.4	(246 978 to 325 777) 139 831	(579 to 741) 655	-52.5 (-55.9 to -48.9) -46.0
Serbia	(80 033 to 91 665)	(419 to 482)	(-56.7 to -50.2)	(38 542 to 73 053)	(146 to 278)	(-20.2 to -14.8)	(122 190 to 159 522)	(585 to 736)	(-49.3 to -42.6)
	28 931	313	-59.8	22 100	192	-21.6	51 032	505	-50.7
Slovakia	(26 570 to 31 268) 18 115	(288 to 339) 335	(-64.7 to -52.9) -65.7	(15 724 to 29 615) 15 426 (10 001 to 30 767)	(136 to 257) 218 (155 to 207)	(-23.5 to -19.8) -20.6	(44 349 to 59 205) 33 541	(446 to 578) 553	(-55.6 to -44.5) -55.8
Slovenia	(10 358 (0 20 200) 5 538 (5 066 to 6 083)	(303 (0 373) 293 (267 to 322)	-74.6 (-77.0 to -71.8)	7 400 (5 272 to 9 903)	263 (186 to 354)	-22.1 (-23.8 to -20.5)	(28 872 (0 38 835) 12 939 (10 748 to 15 441)	(485 (0 653) 555 (474 to 651)	-62.7 (-66.3 to -59.1)
Eastern Europe	1 500 685	727	-42.9	497 415	179	-18.2	1 998 100	906	-39.2
	(1 461 098 to 1 549 538)	(708 to 750)	(-44.6 to -40.8)	(351 139 to 669 519)	(126 to 242)	(-20.3 to -16.1)	(1 849 019 to 2 175 598)	(851 to 972)	(-41.1 to -37.2)
Belarus	40 870	418	-63.8	19 858	157	-21.4	60 728	576	-57.5
	(37 451 to 45 090)	(381 to 464)	(-67.1 to -58.6)	(14 097 to 26 702)	(112 to 212)	(-23.4 to -19.4)	(54 098 to 68 746)	(517 to 645)	(-60.8 to -52.3)
Estonia	(3 095 to 4 126)	(244 to 326)	(-82.6 to -76.5)	(2 082 to 3 954)	(117 to 223)	(-30.9 to -27.8)	(5 586 to 7 652)	(388 to 518)	(-75.5 to -69.0)
	8 407	442	-73.6	4 590	171	-33.1	12 998	613	-68.2
Latvia	(7 385 to 9 509)	(387 to 499)	(-77.1 to -69.8)	(3 240 to 6 173)	(121 to 230)	(-34.6 to -31.6)	(11 350 to 14 721)	(539 to 684)	(-71.7 to -64.8)
	12 549	434	-69.1	7 097	180	-24.3	19 645	613	-62.7
Moldova	(11 548 to 13 781)	(397 to 482)	(-71.9 to -65.4)	(5 021 to 9 525)	(127 to 241)	(-26.0 to -22.6)	(17 388 to 22 367)	(552 to 690)	(-65.6 to -59.3)
	19 561	518	-64.9	6 670	140	-35.1	26 231	658	-61.1
Russian Federation	(18 412 to 20 843)	(487 to 553)	(-67.5 t0-62.1)	(4 749 to 8 956)	(99 to 188)	(-36.9 to -33.3)	(24 041 to 28 695)	(607 to 715)	(+63.6 t0 -58.4)
	1 101 491	762	-41.4	351 974	183	-19.8	1 453 465	945	-38.2
	(1 071 703 to 1 168 545)	(741 to 809)	(-43.2 to -37.9)	(248 744 to 474 396)	(129 to 248)	(-22.0 to -17.6)	(1 348 124 to 1 586 429)	(887 to 1 017)	(-40.0 to -35.6)
Ukraine	314 222	741	-36.2	104 277	175	-9.3	418 499	916	-32.4
	(272 873 to 342 100)	(635 to 811)	(-45.1 to -30.0)	(73 446 to 140 800)	(122 to 235)	(-11.6 to -6.9)	(365 862 to 464 710)	(798 to 1 007)	(-40.2 to -26.9)
High-income	3 870 249	375	-56.2	1 968 107	138	-18.9	5 838 356	513	-50.1
	(3 766 283 to 3 980 052)	(364 to 386)	(-57.6 to -54.9)	(1 404 036 to 2 653 942)	(98 to 186)	(-19.7 to -18.0)	(5 261 833 to 6 518 216)	(472 to 561)	(-52.0 to -48.0)
Australasia	84 307 (76 249 to 92 272) 68 047	(281 to 340) 295	-65.0 (-68.4 to -61.5) -63.8	74 635 (53 002 to 100 734) 58 789	(146 to 278)	-18.3 (-19.7 to -16.9) -20.6	(135 480 to 186 481) 126 836	(450 to 595) 489	-54.7 (-58.6 to -50.8) -53.8
Australia	(60 460 to 76 194)	(263 to 331)	(-67.9 to -59.4)	(41 567 to 79 519)	(137 to 261)	(-22.3 to -18.9)	(107 609 to 149 812)	(421 to 567)	(-58.1 to -49.5)
	16 261	396	-68.0	15 846	276	-7.3	32 107	672	-56.3
High-income Asia-Pacific	(15 292 to 17 299) 423 496	(372 to 422) 212	(-70.2 to -65.8) -75.0	(11 228 to 21 357) 324 999	(195 to 373)	(-9.2 to -5.6) -24.9	(27 383 to 37 691) 748 495	(589 to 773) 329	(-59.7 to -52.4) -67.3
Brunei	3313 (2 911 to 3 703)	724 (642 to 804)	-49.1 (-56.1 to -42.0)	667 (468 to 901)	156 (110 to 212)	-32.9 (-34.8 to -31.2)	3 980 (3 542 to 4 469)	(297 to 370) 880 (793 to 981)	-46.9 (-53.1 to -40.6)
Japan	215 338	169	-67.9	233 743	119	-16.9	449 081	288	-57.0
	(206 926 to 225 334)	(162 to 176)	(-69.2 to -66.5)	(167 533 to 311 576)	(85 to 160)	(-18.6 to -14.9)	(382 427 to 528 530)	(253 to 330)	(-59.8 to -53.9)
South Korea	196 375	323	-81.7	83 032	115	-44.0	279 407	437	-77.7
	(180 704 to 213 266)	(299 to 350)	(-83.2 to -79.8)	(58 866 to 112 426)	(81 to 155)	(-45.7 to -42.4)	(250 816 to 310 953)	(397 to 485)	(-79.4 to -75.8)
Singapore	(7 770 to 9 217)	(127 to 151)	(-68.1 to -61.7)	(5 342 to 10 234)	(79 to 152)	(-6.3 to -0.7)	(13 647 to 18 746)	(215 to 291)	(-55.6 to -46.4)
	2 010 842	574	-40.5	731 662	160	-21.9	2 742 504	734	-37.2
High-income North America	(1 917 839 to 2 091 726)	(548 to 597)	(43.5 to -37.9)	(528 529 to 977 972)	(115 to 214)	(-23.2 to -20.5)	(2 526 022 to 3 003 613)	(682 to 795)	(-39.9 to -35.0)
	112 125	337	-57.8	64 251	137	-21.9	176 375	474	-51.3
Greenland	(103 699 to 120 452)	(311 to 362)	(-61.2 to -54.4)	(45 490 to 87 044)	(96 to 185)	(+23.8 to +20.0)	(156 565 to 199 944)	(426 to 528)	(-54.6 to -48.1)
	109	198	-69.6	53	81	-28.6	162	280	-63.5
USA	(96 to 125)	(174 to 228)	(-75.3 t0-59.9)	(37 to 72)	(57 to 110)	(-30.9 to -26.5)	(142 to 184)	(246 to 320)	(+69.3 t0 -54.4)
	1 898 573	600	-39.0	667 345	163	-21.8	2 565 919	763	-36.0
	(1 805 915 to 1 977 120)	(571 to 625)	(-42.2 to -36.2)	(482 369 to 891 856)	(117 to 218)	(-23.2 to -20.3)	(2 365 666 to 2 807 024)	(709 to 826)	(-38.8 to -33.7)
Southern Latin America	407 091	605	-10.7	80 149	109	22.3	487 240	714	-6.9
	(371 351 to 447 236)	(552 to 664)	(-18.7 to -1.3)	(56 954 to 108 380)	(77 to 148)	(18.5 to 26.5)	(442 127 to 535 364)	(649 to 782)	(-14.1 to 1.7)
Argentina	289 424	641	-0.9	56 713	117	29.2	346 137	758	2.8
	(257 888 to 327 091)	(572 to 722)	(-12.8 to 13.1)	(40 311 to 76 749)	(83 to 159)	(25.0 to 33.7)	(308 138 to 387 501)	(676 to 847)	(-7.9 to 15.1)
Chile	94 017 (82 122 to 106 924) 23 631	497 (437 to 564) 676	-32.8 (-40.8 to -23.3) -10.2	(13 052 to 24 940) 5 074	(62 to 118)	3.1 (-0.6 to 6.8) 34 1	(98 851 to 125 819) 28 705	584 (515 to 654) 800	-29.1 (-36.9 to -20.6) -5.4
Uruguay	(20 664 to 26 725)	(593 to 763)	(-22.0 to 1.4)	(3 623 to 6 857)	(87 to 167)	(30.0 to 38.7)	(25 409 to 32 359)	(707 to 898)	(-16.6 to 5.0)
	944 513	228	-71.7	756 662	130	-17.8	1 701 176	358	-62.9
Andorra	(915 348 to 975 076)	(221 to 236)	(-72.6 to -70.7)	(537 785 to 1 024 824)	(92 to 175)	(-19.3 to -16.6)	(1483 766 to 1964 595)	(320 to 404)	(-65.2 to -60.2)
	152	206	-57.8	155	144	0.8	306	350	-44.5
Austria	(129 to 178)	(175 to 241)	(-66.8 to -46.4)	(109 to 210)	(102 to 196)	(-1.2 to 2.8)	(257 to 366)	(299 to 414)	(-53.3 to -33.5)
	18 049	212	-75.7	15 931	135	-19.6	33 980	347	-66.6
	(16 762 to 19 424)	(196 to 229)	(-77 6 to -72 4)	(11 286 to 21 ccc)	(95 to 197)	(-21 7 to -17 5)	(29 093 to 39 490)	(303 to 304)	(-69.5 to -62.4)
Belgium	35 596 (33 108 to 38 177)	(297 to 345)	-68.7 (-71.1 to -66.3)	18 935 (13 424 to 25 680)	125 (88 to 169)	-28.1 (-30.0 to -26.3)	(48 375 to 61 664)	446 (403 to 496)	-62.8 (-65.5 to -59.9)
Cyprus	6 0 2 3	466	-59.5	2 639	166	-24.7	8 662	632	-53.9
	(5 4 3 4 to 6 6 8 5)	(419 to 518)	(-65.9 to -53.6)	(1 872 to 3 570)	(118 to 224)	(-26.4 to -23.1)	(7 649 to 9 838)	(562 to 709)	(-60.3 to -48.5)
Denmark	10 470 (9 691 to 11 349)	188 (173 to 204) 200	-71.6 (-74.1 to -69.0)	9 666 (6 880 to 13 026)	130 (92 to 175)	-14.9 (-16.8 to -12.9)	20 136 (17 104 to 23 563) 20 717	318 (276 to 367) 228	-61.0 (-64.6 to -57.3)
Finland	(9 675 to 11 279)	(184 to 217)	(-73.4 to -67.9)	(7 309 to 13 932)	(98 to 188)	(-3.8 to -0.0)	(17 653 to 24 437)	(293 to 391)	(-63.0 to -55.0)
	163 837	278	-71.3	121 899	143	-21.9	285 736	420	-63.5
Germany	(152 700 to 176 480)	(257 to 300)	(-73.4 to -69.0)	(86 503 to 165 672)	(101 to 193)	(-24.4 to -19.9)	(247 705 to 329 689)	(372 to 476)	(-66.3 to -60.6)
	172 459	219	-71.1	151 476	132	-14.8	323 934	351	-61.6
Greece	(153 981 to 193 858)	(195 to 246)	(-/4.4 to -67.4)	(107 764 to 205 183)	(93 to 178)	(-16.8 to -13.1)	(276 644 to 381 551)	(307 to 403)	(-65.3 to -57.6)
	46 452	488	-51.1	24 437	165	-10.1	70 890	653	-44.7
	(43 450 to 49 616)	(454 to 525)	(-54 5 to -47.4)	(17 392 to 32 214)	(116 to 224)	(-12.0 to -9.2)	(63 346 to 79 401)	(596 to 717)	(-48 1 to -41 1)
Iceland	582	177	-69.5	532	131	-5.8	1 114	307	-57.2
	(538 to 628)	(162 to 192)	(-72.6 to -65.9)	(378 to 720)	(92 to 177)	(-8.0 to -3.6)	(948 to 1 302)	(266 to 356)	(-61.6 to -52.6)
Ireland	7 423	160	-76.2	7 409	128	-7.2	14 832	288	-64.5
	(6 793 to 8 140)	(146 to 177)	(-78.5 to -73.7)	(5 254 to 10 019)	(90 to 173)	(-9.3 to -5.1)	(12 585 to 17 501)	(246 to 337)	(-68.5 to -60.6)
Israel	22 677	255	-49.5	11 844	124	-6.2	34 521	378	-40.5
	(21 143 to 24 440)	(237 to 275)	(-53.5 to -45.3)	(8 372 to 16 067)	(87 to 168)	(-8.3 to -4.1)	(30 884 to 39 035)	(340 to 427)	(-44.6 to -36.4)
	158 685	264	-67 1	116 181	131	-21 3	274 864	396	-59 3
Italy	(147 495 to 170 172)	(246 to 284)	(-69.5 to -64.5)	(82 801 to 156 972)	(93 to 178)	(-22.9 to -19.6)	(241 324 to 316 404)	(354 to 447)	(-62.1 to -56.2)
	1 467	253	-74.9	1 177	156	-14.8	2 643	409	-65.7
Malta	(1 308 to 1 637)	(227 to 282)	(-77.8 to -71.8)	(833 to 1 588)	(110 to 210)	(-17.2 to -12.6)	(2 262 to 3 094)	(355 to 468)	(-69.3 to -61.8)
	686	170	-53.3	681	116	14.8	1 367	286	-38.5
Netherlands	(634 to 748) 27 490	(157 to 186) 161 (150 - 174)	(-58.1 to -47.7) -68.8	(485 to 921) 24 765 (17 672 to 32 202)	(82 to 157) 110 (78 to 150)	(12.5 to 17.2) -15.0	(1 162 to 1 607) 52 255 (44 586 to 63 052)	(249 to 328) 272 (226 to 310)	(-44.3 to -32.5) -58.0
Norway	(7 990 to 8 619)	(150 to 1/4) 164 (157 to 171)	-69.6 (-71.0 to -67.7)	8 859 (6 328 to 11 872)	(76 (0 149) 132 (94 to 177)	-0.3 (-2.3 to 1.8)	(144 300 (0 61 052) 17 149 (14 647 to 20 149)	(259 to 343)	-55.9 (-59.6 to -52.0)
Portugal	31 716	290	-82.4	18 545	121	-40.3	50 261	411	-77.8
	(29 181 to 34 370)	(266 to 316)	(-84.0 to -80.7)	(13 137 to 25 090)	(86 to 164)	(-42.2 to -38.4)	(44 310 to 57 039)	(367 to 457)	(-79.9 to -76.0)
Spain	87 642 (81 548 to 94 215)	195 (182 to 211)	-81.9 (-83.3 to -80.3) -70.6	88 107 (62 455 to 119 208)	139 (98 to 188)	-22.0 (-24.2 to -19.9)	175 749 (149 104 to 205 750)	334 (292 to 380)	-73.4 (-75.9 to -70.6)
Sweden	(13 062 to 15 302) 11 763	(134 to 159) 142	(-72.9 to -68.2) -80.1	(11 745 to 21 921) 15 366	(89 to 168) 131	-3.2 (-11.2 to -7.2) -18.3	(25 745 to 36 035) 27 128	(233 to 316) 273	(-61.2 to -53.3) -68.7
	(10 831 to 12 907)	(131 to 154)	(-81.8 to -78.0)	(10 896 to 20 812)	(92 to 177)	(-19.8 to -16.6)	(22 469 to 32 566)	(232 to 321)	(-72.3 to -64.9)

Inj	Prev
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		YLLs (95% UI)			YLDs (95% UI)			DALYs (95% UI)		
Location	2017 counts	2017 age-standardised rates per	Percentage change in age- standardised rates between	2017 counts	2017 age-standardised rates per	Percentage change in age- standardised rates between	2017 counts 2017 age-standardised rates per		Percentage change in age- standardised rates between	
Linited Kinedom	107 474	100,000	1990 and 2017 -66.3	90 613	100,000	1990 and 2017 -8.0	198 087	277	1990 and 2017 -55.4	
Latin America and Caribbean	(104 867 to 110 771)	(166 to 176)	(-67.2 to -65.1)	(64 656 to 122 645)	(75 to 144)	(·9.2 to ·6.7)	(171 611 to 230 317)	(245 to 314)	(-58.3 to -52.3)	
	5 342 067	889	-37.3	421 977	71	18.9	5 764 044	960	-35.0	
Andean Latin America	(5 130 650 to 5 532 635)	(855 to 920)	(-39.6 to -34.3)	(305 404 to 562 074)	(51 to 94)	(15.6 to 22.7)	(5 527 287 to 5 975 477)	(921 to 995)	(-37.3 to -32.1)	
	526 055	850	-33.8	30 811	53	-3.6	556 865	904	-32.6	
Bolivia	(475 228 to 576 064) 97 827	(770 to 930) 864 (605 to 3.070)	(40.8 to -25.6) -59.3	(22 050 to 41 157) 5 122 (2 000 to 6 021)	(38 to 71) 52 (37 to 68)	(-7.8 to 0.9) -18.8	(504 790 to 608 324) 102 949 (71 705 to 103 573)	(819 to 987) 916	(-39.4 to -24.7) -58.2	
Ecuador	(195 209 to 242 896)	1276 (1148 to 1427)	-7.6 (-17.6 to 3.9)	10 311 (7 369 to 13 856)	(57 to 88) (47 to 88)	4.8 (-0.3 to 10.4)	(71705(0127373) 227518 (205200 to 253126)	(130 to 1127) 1341 (1210 to 1490)	-7.1 (-16.8 to 4.0)	
Peru	(1757185161421850) 211 020 (177718 to 246 077)	631 (534 to 735)	-36.2 (-46.6 to -23.1)	(10 931 to 20 620)	48 (34 to 65)	-4.0 (-8.7 to 0.8)	226 398 (192 770 to 261 109)	679 (580 to 783)	-34.6 (-44.8 to -22.1)	
Caribbean	520 168	1 120	-25.9	26 379	53	5.0	546 547	1 174	-24.9	
	(435 356 to 600 522)	(936 to 1 289)	(-34.2 to -15.4)	(18 766 to 35 493)	(38 to 72)	(2.8 to 7.3)	(462 186 to 627 664)	(989 to 1 343)	(-32.8 to -14.8)	
Antigua and Barbuda	312	342	-34.4	41	41	9.8	354	382	-31.5	
	(278 to 348)	(304 to 382)	(-42.8 to -25.2)	(29 to 56)	(29 to 55)	(5.7 to 13.5)	(318 to 391)	(342 to 425)	(-39.7 to -22.5)	
The Bahamas	2 942	744	-27.1	202	50	-3.5	3 144	794	-26.0	
	(2 635 to 3 296)	(667 to 830)	(-36.2 to -16.6)	(143 to 275)	(35 to 68)	(-6.2 to -0.9)	(2 828 to 3 487)	(713 to 880)	(-34.8 to -16.0)	
Barbados	1 255	424	-33.6	172	45	13.5	1 427	469	-30.8	
	(1 130 to 1 393)	(381 to 469)	(-41.0 to -25.1)	(122 to 235)	(32 to 61)	(9.7 to 17.3)	(1 292 to 1 575)	(424 to 517)	(-38.0 to -22.8)	
Belize	3 768	923	-22.6	188	56	12.0	3 956	979	-21.2	
	(3 405 to 4 082)	(835 to 999)	(-35.6 to -10.4)	(135 to 254)	(40 to 75)	(8.4 to 15.5)	(3 599 to 4 291)	(890 to 1 059)	(-33.9 to -9.4)	
Bermuda	(214 to 274)	363 (317 to 415) 269	-61.6 (-67.1 to -55.5)	(42 to 80)	63 (45 to 86)	-2.9 (-6.8 to 1.2)	(267 to 336)	426 (376 to 481)	-57.8 (-63.0 to -52.1)	
Cuba	43 373 (38 485 to 49 497) 549	(328 to 416) 801	(-69.5 to -60.9) -10.7	(4 058 to 7 867)	30 (27 to 52) 49	(-26.2 to -21.4) 26.7	(43 890 to 55 382) 588	406 (364 to 456) 850	(-67.6 to -59.3)	
Dominica	(496 to 607)	(721 to 888)	(-20.7 to 0.5)	(28 to 52)	(35 to 65)	(22.9 to 30.6)	(533 to 648)	(768 to 937)	(-18.8 to 1.8)	
	151 993	1 399	26.7	8 012	79	44.3	160 005	1478	27.5	
Dominican Republic	(128 801 to 176 045)	(1 186 to 1 620)	(4.6 to 52.8)	(5 696 to 10 871)	(56 to 108)	(37.3 to 52.1)	(136 735 to 184 366)	(1 266 to 1 704)	(6.6 to 52.2)	
	502	444	-43.4	51	40	6.7	552	484	-41.1	
Grenada	(455 to 549)	(401 to 488)	(-49.8 to -36.2)	(36 to 69)	(28 to 54)	(2.6 to 10.3)	(504 to 602)	(440 to 528)	(-47.5 to -34.0)	
	5 852	763	-16.4	310	44	28.0	6 162	807	-14.8	
Balti	(4 985 to 6 832)	(652 to 889)	(-29.0 to -2.1)	(222 to 415)	(31 to 59)	(23.8 to 32.3)	(5 338 to 7 138)	(698 to 933)	(-27.2 to -1.0)	
	244 052	2 035	-45.5	5 091	53	-13.7	249 143	2 088	-45.0	
Jamaica	(168 317 to 322 144)	(1 381 to 2 694)	(-56.7 to -29.3)	(3 701 to 6 724)	(38 to 69)	(-16.5 to -10.9)	(174 196 to 326 445)	(1 435 to 2 748)	(-56.0 to -29.1)	
	12 520	424	91.4	1 324	45	71.6	13 844	469	89.3	
Puerto Rico	(9 933 to 15 070)	(336 to 509)	(48.6 to 134.4)	(940 to 1 788)	(32 to 61)	(64.9 to 78.5)	(11 160 to 16 451)	(379 to 555)	(51.0 to 127.4)	
	17 698	482	-48.4	2 748	55	5.0	20 445	538	-45.6	
Saint Lucia	(16 174 to 19 405)	(440 to 530)	(-53.6 to -43.0)	(1944 to 3 727)	(39 to 75)	(2.1 to 8.0)	(18 743 to 22 369)	(493 to 589)	(-50.5 to -40.3)	
	1 133	606	-39.7	97	48	-1.4	1 230	653	-37.9	
Saint Vincent and the Grenadines	(1005(01285) 536 (484 to 582)	(335 (0 677) 460 (415 to 507)	-16.6 (-26.8 to -5.2)	(85 (0 130) 52 (27 to 70)	(34 (0 64) 41 (29 to 55)	(4.7 (01.5) 35.7 (21.9 to 40.0)	(1057 (01360) 588 (527 to 645)	(383 (0 723) 501 (456 to 548)	-13.9 (-22.7 to -2.1)	
Suriname	4729 (4139 to 5 345)	(715 (0 507) 814 (714 to 919)	-30.8 (40.9 to -19.4)	346 (247 to 463)	(1) (0 33) 58 (41 to 77)	7.7 (4 0 to 11 3)	5 075 (4 474 to 5 716)	(450 to 540) 871 (769 to 979)	-29.1 (-38.8 to -18.2)	
Trinidad and Tobago	9451 (7.662 to 11.532)	(547 to 810)	-13.0 (-29.4 to 6.7)	885 (631 to 1199)	(41 (077) 53 (38 to 72)	18.2 (14.5 to 21.9)	10 336 (8 546 to 12 459)	722 (602 to 868)	-11.3 (-26.9 to 7.4)	
Virgin Islands	533 (467 to 608)	467 (416 to 533)	-41.1 (-50.0 to -30.0)	71 (50 to 97)	50 (35 to 68)	5.0 (0.9 to 9.4)	604 (535 to 685)	(464 to 586)	-38.4 (-46.8 to -28.0)	
Central Latin America	2 029 275	773	-39.0	161 673	65	4.5	2 190 948	838	-37.0	
	(1 913 814 to 2 129 603)	(730 to 811)	(-43.0 to -35.9)	(116 325 to 215 968)	(47 to 87)	(1.5 to 7.8)	(2 065 767 to 2 304 297)	(791 to 882)	(-40.9 to -33.9)	
Colombia	350 287	677	-41.0	23 680	44	-20.0	373 967	721	-40.0	
	(306 836 to 396 762)	(593 to 766)	(-48.7 to -32.9)	(16 916 to 32 102)	(32 to 60)	(-23.2 to -16.7)	(328 827 to 421 733)	(635 to 813)	(-47.4 to -32.3)	
Costa Rica	33 941	685	-18.8	2 642	53	6.0	36 583	738	-17.5	
	(30 528 to 37 273)	(618 to 752)	(-26.5 to -9.9)	(1 873 to 3 583)	(37 to 72)	(2.2 to 9.5)	(33 135 to 40 213)	(672 to 812)	(-24.8 to -8.8)	
El Salvador	53 702	871	-41.0	2 608	45	-15.3	56 311	915	-40.1	
	(44 116 to 66 477)	(717 to 1 072)	(-52.3 to -26.2)	(1 854 to 3 526)	(32 to 60)	(-19.6 to -11.1)	(46 509 to 68 774)	(758 to 1 111)	(-50.8 to -25.8)	
Guatemala	139 898	806	-12.4	5 714	43	6.7	145 612	849	-11.6	
	(121 714 to 160 967)	(706 to 925)	(-25.0 to 1.1)	(4 142 to 7 717)	(31 to 58)	(2.6 to 10.8)	(127 413 to 167 044)	(746 to 968)	(-23.6 to 1.3)	
Honduras	61 489	675	-42.7	3 753	51	15.2	65 242	727	-40.6	
	(47 296 to 76 060)	(515 to 830)	(-55.9 to -25.5)	(2 714 to 5 001)	(37 to 68)	(10.7 to 19.5)	(51 722 to 80 110)	(575 to 886)	(-53.5 to -24.1)	
Mexico	976 016	754	-42.4	99 919	80	20.7	1075 935	834	-39.3	
	(944 208 to 1 009 136)	(730 to 780)	(-44.9 to -40.2)	(72 369 to 133 354)	(58 to 107)	(16.7 to 24.7)	(1033 221 to 1125 009)	(801 to 873)	(-42.0 to -37.0)	
Nicaragua	(27 313 to 38 084)	495 (422 to 586)	-54.9 (-61.7 to -47.0)	1 898 (1 359 to 2 539)	35 (25 to 47)	-26.1 (-29.2 to -23.0)	34 083 (29 297 to 39 776)	(457 to 617)	(-60.3 to -46.2)	
Panama	(21 716 to 25 980)	(550 to 658)	-41.9 (-47.5 to -35.7)	(1 401 to 2 679)	49 (35 to 67)	-10.8 (-14.6 to -7.6)	25755 (23 433 to 28 055) 277 461	(593 to 709)	-40.3 (-45.9 to -34.4)	
Venezuela	(298 694 to 431 649) 2 266 569	(927 to 1 333) 983	(-40.2 to -14.1) -38.1	(13 841 to 26 374) 203 116	(45 to 86)	(-18.0 to -11.2) 40.1	(316 999 to 448 718) 2469 684	(986 to 1 391)	(-39.1 to -14.2)	
Tropical Latin America	(2 166 677 to 2 350 324)	(942 to 1 019)	(40.9 to -34.7)	(146 505 to 271 450)	(61 to 113)	(34.4 to 46.1)	(2 356 260 to 2 573 388)	(1 020 to 1 113)	(-38.2 to -31.5)	
	2 191 726	982	-39.0	198 635	85	40.0	2 390 361	1 066	-36.2	
Brazil	(2 095 556 to 2 271 108)	(939 to 1 017)	(-41.8 to -35.5)	(143 352 to 265 657)	(61 to 113)	(34.2 to 46.1)	(2 278 881 to 2 491 383)	(1 018 to 1 110)	(-39.1 to -32.4)	
	74 842	1 049	28.6	4 481	71	48.0	79 323	1 120	29.7	
Paraguay	(60 814 to 91 151)	(854 to 1 280)	(2.5 to 61.0)	(3 198 to 5 998)	(51 to 95)	(42.5 to 53.7)	(65 439 to 96 006)	(927 to 1 356)	(5.2 to 60.3)	
	6 854 317	1 117	-47.8	545 368	100	-25.4	7 399 686	1 217	-46.5	
North Africa and Middle Fast	(6 120 320 to 7 888 231)	(993 to 1 287)	(-52.7 to -39.2)	(391 372 to 732 789)	(72 to 134)	(-28.0 to -22.5)	(6 614 065 to 8 484 686)	(1 085 to 1 398)	(-51.2 to -38.4)	
	6 854 317	1 117	-47.8	545 368	100	-25.4	7 399 686	1 217	-46.5	
Afehanistan	(6 120 320 to 7 888 231)	(993 to 1 287)	(-52.7 to -39.2)	(391 372 to 732 789)	(72 to 134)	(-28.0 to -22.5)	(6 614 065 to 8 484 686)	(1 085 to 1 398)	(-51.2 to -38.4)	
	512 629	1 654	-38.5	17 952	88	-17.3	530 582	1 741	-37.7	
Algeria	(408 661 to 630 361)	(1 308 to 2 044)	(-57.8 to 114.9)	(13 146 to 23 624)	(65 to 115)	(-18.9 to -15.8)	(424 959 to 649 158)	(1 400 to 2 127)	(-56.6 to 99.1)	
	353 710	852	-53.4	42 847	110	-34.2	396 558	963	-51.8	
Bahrain	(286 415 to 554 862)	(690 to 1 349)	(-59.8 to -44.9)	(30 744 to 57 512)	(79 to 148)	(-37.0 to -31.4)	(324 692 to 600 532)	(790 to 1 460)	(-57.8 to -44.1)	
	6 274	435	-59.7	1 481	90	-40.2	7 755	525	-57.3	
Egypt	(5 515 to 7 124)	(387 to 488)	(-64.7 to -53.1)	(1 054 to 1 993)	(64 to 121)	(-42.7 to -37.8)	(6 899 to 8 786)	(471 to 587)	(-61.9 to -51.4)	
	1 394 257	1 450	-46.9	91 138	113	-24.8	1 485 396	1 563	-45.8	
Iran	(10696/6101/05353) 1048280 (10332834511330805)	(10/8 to 1 /96) 1 261 (1 220 to 1 25 0)	(55.7 t0 -36.0) -54.7	(65 455 to 121 801) 89 650 (62 030 to 130 008)	(82 to 151) 106 (76 to 143)	(-28.3 to -20.9) -36.7	(115/7/0161797040) 1137930 (1007633451307600)	(1 189 to 1 915) 1 368 (1 318 to 1 463)	(-54.0 to -35.4) -53.7	
Iraq	220 334	487	-62.8 (60.445, 43.2)	22 071	(/8 (0 143) 66 (47 to 97)	-38.6	242 404	553	-61.0 (67.445.46.2)	
Jordan	(157 158 (0 245 304) 62 672 (55 183 to 71 509)	(441 (0 543) 571 (507 to 647)	(63.4 to 47.2) -56.7 (63.4 to 47.4)	(13 303 (023 413) 5 995 (4 251 to 8 084)	(47 to 87) 68 (48 to 82)	(40.2 (0 (37.1) -39.6 (.41 8 to .27.4)	68 668 (60 976 to 77 619)	(564 to 616) 640 (568 to 719)	-55.4 (-61.7 to -46.7)	
Kuwait	26 056 (23 609 to 28 310)	614 (560 to 664)	-52.4 (55.7 to 47.8)	(3 454 to 6 561)	(40 to 51) 114 (82 to 154)	-30.7 (-32.3 to -28.9)	30946 (28127 to 33684)	728 (663 to 794)	-50.0 (-53.9 to -45.7)	
Lebanon	28 968	326	-48.5	6 530	85	-3.4	35 497	411	-43.0	
	(19 964 to 35 638)	(225 to 400)	(-66.8 to -33.8)	(4 610 to 8 817)	(60 to 115)	(-7.5 to 0.5)	(26 408 to 42 882)	(309 to 494)	(-59.9 to -29.5)	
Libya	86 272	1 186	-29.9	7 716	121	-27.7	93 987	1 306	-29.7	
	(45 129 to 128 825)	(625 to 1 778)	(-56.1 to -9.4)	(5 520 to 10 314)	(86 to 162)	(-30.6 to -24.5)	(52 875 to 137 303)	(746 to 1 908)	(-53.2 to -10.9)	
Morocco	360 805	994	-48.1	35 353	100	-23.6	396 158	1 093	-46.5	
	(270 428 to 570 594)	(747 to 1 576)	(-59.6 to -34.5)	(25 376 to 47 344)	(71 to 133)	(-26.4 to -20.3)	(304 556 to 604 021)	(841 to 1 672)	(-57.2 to -33.7)	
Palestine	20 407	405	-55.6	2 104	57	-13.8	22 510	462	-52.8	
	(17 605 to 23 941)	(355 to 465)	(-63.8 to -44.1)	(1 508 to 2 817)	(41 to 76)	(-16.0 to -11.6)	(19 657 to 26 050)	(408 to 525)	(-60.7 to -41.5)	
Oman	101 538	2 058	-55.6	7 017	168	-38.4	108 555	2 226	-54.6	
	(82 585 to 121 317)	(1 685 to 2 434)	(-65.3 to -42.8)	(4 967 to 9 471)	(119 to 227)	(-41.0 to -35.8)	(89 480 to 128 219)	(1 853 to 2 606)	(-63.9 to -42.4)	
Qatar	29 261	1 028	-40.9	4 052	148	-25.7	33 312	1176	-39.3	
	(23 711 to 35 821)	(842 to 1 247)	(-54.0 to -24.5)	(2 872 to 5 455)	(105 to 198)	(-28.2 to -23.1)	(27 059 to 40 040)	(977 to 1400)	(-51.5 to -24.6)	
Saudi Arabia	(416 802 to 733 013)	(1086 to 1848)	-32.6 (-56.4 to -9.7)	49 572 (35 022 to 66 865)	(111 to 211)	-26.9 (-30.4 to -23.5)	(468 435 to 781 641)	(1 240 to 2 003)	-32.1 (-54.0 to -11.6)	
Sudan	(493 977 to 915 010) 80 124	(1 162 to 2 254)	(-69.8 to -38.3)	(22 738 to 40 606)	(82 to 147)	(-26.5 to -22.3)	(523 043 to 945 518)	(1 271 to 2 380)	(-68.0 to -37.4)	
Syria	(64 649 to 96 767) 147 868	(368 to 552) 1 222	(-63.5 to -37.9) -44.7	(7 038 to 13 237) 11 256	(45 to 85)	(-26.5 to -20.2)	(73 930 to 106 694) 159 124	(430 to 614)	(-60.7 to -36.6)	
Tunisia	(118 455 to 182 477) 409 862	(983 to 1 499) 506	(-58.2 to -29.5) -41.5	(8 030 to 15 162) 61 122	(64 to 120)	(-19.1 to -11.8) .9 3	(129 113 to 193 430) 470 984	(1065 to 1589) 576	(-56.6 to -28.9) -38.9	
Turkey	(368 378 to 457 221)	(454 to 565)	(-50.6 to -30.6)	(43 578 to 82 824)	(49 to 94)	(-14.7 to -3.5)	(424 967 to 519 859)	(517 to 636)	(-47.8 to -28.6)	
	169 076	1 838	-20.4	18 754	173	-27.1	187 830	2 011	-21.0	
United Arab Emirates	(129 504 to 212 174)	(1463 to 2 254)	(-44.9 to 8.7)	(13 397 to 25 192)	(123 to 231)	(-30.2 to -24.1)	(148 382 to 231 627)	(1 631 to 2 425)	(-43.5 to 4.9)	
	551 053	1827	-49.3	24 506	119	-29.0	575 560	1 946	-48.4	
Yemen	(424 309 to 772 177)	(1 379 to 2 616)	(-63.6 to 15.7)	(17 937 to 32 505)	(87 to 157)	(-31.3 to -26.7)	(446 470 to 797 337)	(1 488 to 2 732)	(-62.3 to 12.0)	
	13 574 498	762	-9.6	1 513 080	92	32.2	15 087 578	854	-6.4	
South Aria	(12 046 498 to 14 712 207)	(675 to 824)	(-18.8 to 0.9)	(1 097 334 to 2 024 113)	(67 to 123)	(28.9 to 35.9)	(13 476 788 to 16 265 578)	(762 to 919)	(-14.9 to 3.6)	
	13 574 498	762	-9.6	1 513 080	92	32.2	15 087 578	854	-6.4	
Baneladesh	(12 046 498 to 14 712 207)	(675 to 824)	(-18.8 to 0.9)	(1 097 334 to 2 024 113)	(67 to 123)	(28.9 to 35.9)	(13 476 788 to 16 265 578)	(762 to 919)	(-14.9 to 3.6)	
	552 271	350	-0.4	88 360	60	37.7	640 631	410	3.8	
Bhutan	(423 294 to 649 550)	(270 to 410)	(-22.4 to 34.7)	(63 357 to 117 782)	(43 to 80)	(31.3 to 44.8)	(517 124 to 742 357)	(334 to 472)	(-16.4 to 35.2)	
	3 598	359	-61.0	665	75	-15.4	4 263	434	-57.0	
India	(2 551 to 4 386)	(264 to 435)	(-71.7 to -47.5)	(478 to 889)	(54 to 100)	(-19.5 to -11.1)	(3 137 to 5 069)	(334 to 513)	(-67.5 to -44.3)	
	9 861 905	712	-17.4	1 197 464	92	29.8	11 059 369	804	-13.8	
Nepal	(9 299 930 to 10 395 839)	(669 to 751)	(-24.5 to -9.2)	(870 274 to 1 601 533)	(67 to 123)	(26.5 to 33.5)	(10 340 644 to 11 722 367)	(751 to 853)	(-20.7 to -5.7)	
	296 686	1 030	-5.5	23 707	90	22.0	320 393	1 120	-3.7	
Pakistan	(1/3 127 to 454 931) 2 860 037	(buu to 1 569) 1 338 (809 to 3 744)	(-36.2 to 39.9) 20.9	(1/ 105 to 31 644) 202 885 (146 760 272 202)	(65 to 120) 119 (86 to 140)	(17.4 to 26.0) 48.0 (43.6 += (3.7)	(1978/8 to 478580) 3062923	(690 to 1 658) 1 457 (928 to 3 667)	(-52.5 to 39.0) 22.8 (-0.4+-5.4.8)	
Southeast Asia, East Asia, and Oceania	16 774 732	(000 (0 1 /44) 740 (710 t= 760)	-35.5	3 971 033	(100 to 100)	(*3.0 (0 52.7) 58.7 (53.1+- (5.3)	20 745 766	(926+-048)	-28.3	
East Asia	(10 631 220 to 11 709 01 3)	704 (672 to 723)	(*1.1 (0 -31.3) -33.3 (40.2 to -37.9)	3 008 883	(106 to 204) 155 (111 to 200)	(51.1 (0 65.7) 69.1 (61.3 to 77.5)	14 206 313 (13 132 075 to 15 251 733)	(802 to 919)	(-34.2 (0-23.4) -25.1 (-31.9 to -19.1)	
China	10 603 693 (10 089 242 to 11 069 242)	(672 (0732) 699 (669 to 729)	-33.3 (40.4 to -37.7)	2 863 875	155 (111 to 209)	70.2 (62.1 to 79.1)	13 467 568	854 (798 to 914)	-25.0 (-32.5 to -19.9)	
North Korea	275 735 (183 449 to 420 361)	1 023 (699 to 1 532)	(-3.1 to 83.0)	46 651 (33 617 to 62 289)	150 (108 to 201)	101.0 (95.8 to 106.1)	322 386 (228 500 to 466 947)	(844 to 1672)	42.9 (5.8 to 84 9)	
Taiwan (Province of China)	(129 512 to 147 237)	540 (509 to 578)	-69.3 (-71.2 to -67.1)	49 886 (35 549 to 67 612)	153 (109 to 208)	10.7 (6.2 to 14.9)	187 504 (170 347 to 207 619)	694 (636 to 758)	-63.5 (-66.0 to -60.6)	
Oceania	180 258	1 441	-20.1	14 204	142	60.7	194 462	1583	-16.4	
	(146 861 to 217 705)	(1 170 to 1 734)	(-36.0 to -2.3)	(10 373 to 18 772)	(104 to 189)	(57.3 to 63.8)	(160 417 to 232 796)	(1314 to 1896)	(-31.6 to 1.4)	
American Samoa	211	390	-29.1	55	108	43.7	266	498	-20.3	
	(187 to 234)	(348 to 430)	(-42.1 to -16.8)	(40 to 74)	(78 to 145)	(39.3 to 48.3)	(239 to 297)	(447 to 556)	(-33.2 to -8.3)	
Federated States of Micronesia	848	814	-19.9	124	135	64.0	972	950	-13.6	
	(553 to 1 094)	(524 to 1 046)	(-47.7 to 7.9)	(91 to 165)	(99 to 180)	(58.8 to 69.4)	(679 to 1 231)	(662 to 1 199)	(-39.9 to 13.2)	
Fiji	4 3 3 4	474	-20.7	991	112	72.6	5 325	586	-11.6	
	(3 7 5 1 to 5 0 1 5)	(412 to 549)	(-37.4 to -1.6)	(719 to 1 320)	(81 to 149)	(67.4 to 77.4)	(4 656 to 6 049)	(514 to 665)	(-28.4 to 6.8)	
Guam	1039	624	-14.0	264	147	56.3	1 303	772	-5.9	
	(928 to 1 153)	(555 to 695)	(-27.3 to -0.2)	(190 to 356)	(106 to 199)	(51.8 to 60.7)	(1 164 to 1 445)	(688 to 857)	(-18.8 to 7.0)	
Kiribati	679	559	-9.6	98	99	92.6	777	658	-1.7	
	(520 to 832)	(433 to 683)	(-31.6 to 17 1)	(71 to 129)	(72 to 131)	(86.3 to 99.4)	(623 to 938)	(530 to 787)	(-23.0 to 24.0)	

Inj	Prev
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		YLLs (95% UI)		YLDs (95% UI)			DALYs (95% UI)		
Location	2017 counts	2017 age-standardised rates per 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates p 100,000	Percentage change in age- standardised rates between 1990 and 2017	2017 counts	2017 age-standardised rates po 100,000	Percentage change in age- standardised rates between 1990 and 2017
Marshall Islands	643	1 136	-14.7	67	141	77.9	710	1 277	-9.6
	(496 to 781)	(884 to 1 375)	(-33.3 to 6.4)	(49 to 90)	(102 to 187)	(72.9 to 83.4)	(565 to 852)	(1 024 to 1 522)	(-27.4 to 10.7)
Northern Mariana Islands	210	468	-35.7	65	119	15.1	275	588	-29.3
	(181 to 238)	(405 to 532)	(-51.3 to -16.7)	(47 to 88)	(85 to 161)	(11.7 to 18.5)	(241 to 309)	(514 to 658)	(-44.7 to -12.3)
Papua New Guinea	(119 994 to 186 373) 887	(1 326 to 2 047) 467	(-43.8 to -9.5)	(7 617 to 13 768) 210	(109 to 196) 130	(\$0.0 to \$7.6) 70.9	(130 355 to 197 795) 1 097	(1 468 to 2 205) 597	(-39.9 to -6.0) -13.2
Samoa	(681 to 1 230)	(358 to 654)	(-42.5 to -2.7)	(152 to 280)	(94 to 174)	(66.2 to 75.5)	(874 to 1 456)	(475 to 794)	(-32.2 to 6.8)
	6 476	1 036	-17.7	659	137	71.7	7 136	1 173	-12.4
Solomon Islands	(5 041 to 8 202)	(803 to 1 318)	(-36.9 to 6.1)	(482 to 866)	(100 to 179)	(67.8 to 75.6)	(5 619 to 8 884)	(929 to 1 460)	(-31.8 to 10.1)
	575	562	-4.0	98	109	67.1	673	671	3.1
Vanuatu	(466 to 669)	(461 to 654)	(-30.9 to 22.4)	(71 to 130)	(78 to 145)	(61.5 to 72.6)	(562 to 774)	(562 to 775)	(-22.2 to 27.1)
	2 836	994	-5.2	347	156	84.1	3 183	1 150	1.5
Southeast Asia	(1 954 to 3 958)	(683 to 1 394)	(-33.5 to 34.9)	(255 to 459)	(115 to 206)	(79.9 to 88.1)	(2 290 to 4 301)	(842 to 1 546)	(-25.0 to 39.9)
	5 397 044	793	-44.5	947 946	140	30.7	6 344 990	933	-39.3
Cambodia	(5 065 758 to 5 724 664)	(746 to 840)	(48.6 to 40.4)	(685 084 to 1 262 382)	(101 to 187)	(26.6 to 35.1)	(5 922 383 to 6 775 553)	(872 to 997)	(-43.5 to -34.9)
	189 636	1 177	-44.4	20 076	140	43.6	209 712	1 317	-40.5
Indonesia	(147 941 to 246 258)	(927 to 1 521)	(-56.1 to -26.4)	(14 577 to 26 553)	(102 to 185)	(38.8 to 48.7)	(169 566 to 267 770)	(1069 to 1674)	(-51.9 to -22.7)
	1 741 795	666	-56.1	380 609	146	25.0	2 122 404	812	-50.4
Laos	91 533 (67 617 to 112 284)	(614 (0 / 16) 1 270 (945 to 1 566)	-48.3 (41.7 to -20.2)	9 663 (7 038 to 12 751)	(108 to 192) 163 (118 to 216)	(21.0 (0 28.8) 35.6 (20.5 to 40.2)	(1949446(02298442) 101196 (77452 to 122200)	(74810878) 1433 (1098to 1728)	-44.4 (-57.4 to -26.0)
Malaysia	318 204 (279 583 to 356 887)	980 (864 to 1 097)	-26.7 (41.9 to -13.0)	54 667 (38 905 to 73 564)	181 (129 to 244)	(30.5 to 40.5) 37.6 (30.8 to 44.5)	372 872 (329 282 to 417 086)	(1035(01730) 1161 (1028 to 1294)	-21.0
Maldives	1473 (1093 to 2 696)	(241 to 577)	-69.4 (-74.7 to -57.4)	484 (344 to 651)	110 (78 to 148)	12.1 (6.0 to 18.7)	1 957 (1 544 to 3 188)	430 (342 to 690)	-62.5 (-67.8 to -52.5)
Mauritius	7 2 4 2	537	-17.5	1 864	119	69.8	9 105	656	-9.0
	(6 572 to 7 954)	(489 to 591)	(-26.3 to -7.9)	(1 337 to 2 504)	(85 to 159)	(63.8 to 76.1)	(8 260 to 10 032)	(596 to 722)	(-17.3 to -0.4)
Myanmar	532 120	967	-50.2	66 008	126	32.3	598 128	1093	-46.3
	(440 388 to 644 129)	(801 to 1 167)	(-60.7 to -36.2)	(47 763 to 87 499)	(91 to 166)	(27.3 to 37.7)	(503 422 to 713 242)	(924 to 1295)	(-56.7 to -32.8)
Philippines	558 459	534	13.9	84 891	93	75.0	643 350	627	20.1
	(480 801 to 643 064)	(463 to 614)	(-3.1 to 33.5)	(60 737 to 113 513)	(66 to 123)	(68.8 to 81.7)	(559 029 to 730 170)	(547 to 711)	(4.4 to 38.2)
Sri Lanka	101 980	451	-19.0	25 584	106	95.0	127 564	557	-8.9
	(82 473 to 124 188)	(365 to 550)	(-35.3 to -0.0)	(18 250 to 34 564)	(75 to 143)	(86.4 to 104.8)	(105 880 to 152 571)	(460 to 665)	(-24.8 to 9.0)
Seychelles	(519 to 688)	(486 to 646)	18.7 (1.9 to 35.4)	(103 to 193)	(89 to 169)	/3.0 (65.9 to 80.4)	(649 to 848)	(602 to 783)	25.8 (10.7 to 40.6)
Thailand	(785 651 to 1 002 113) 6 303	(1110 to 1406) 479	(-51.5 to -30.0) -38.4	(112 432 to 213 026) 1 095	(122 to 233)	(6.2 to 17.2) 63.7	(930 586 to 1 174 922) 7 398	(1 269 to 1 598) 592	-37.0 (-47.4 to -26.5) -30.1
vintor-Leste	(3 259 to 10 632)	(256 to 821)	(-66.2 to -17.9)	(799 to 1 446)	(82 to 149)	(57.1 to 71.1)	(4 319 to 11 672)	(366 to 928)	(-55.1 to -11.0)
	946 218	931	-27.3	143 072	139	40.7	1 089 290	1 0 6 9	-22.5
Sub-Saharan Africa	(775 240 to 1 078 257)	(769 to 1 059)	(-43.1 to -10.2)	(102 142 to 191 935)	(99 to 186)	(33.6 to 47.5)	(918 886 to 1 225 869)	(912 to 1 205)	(-37.4 to -6.6)
	8 754 769	905	-37.0	780 603	112	-22.2	9 535 372	1017	-35.6
Central sub-Saharan Africa	(8 000 791 to 9 513 743)	(840 to 973)	(-43.8 to -26.3)	(566 020 to 1 033 301)	(81 to 147)	(-23.6 to -20.6)	(8 734 873 to 10 336 023)	(944 to 1 099)	(-41.9 to -25.6)
	2 000 402	1 564	-34.1	134 048	156	-21.0	2 134 450	1 720	-33.1
Angola	(1 585 674 to 2 403 747)	(1302 to 1834)	(-45.9 to -9.9)	(97 246 to 176 617)	(114 to 204)	(-22.7 to -19.3)	(1714 422 to 2550 412)	(1 448 to 1 999)	(-44.1 to -11.0)
	418 203	1433	-55.9	33 590	180	-28.2	451 793	1613	-54.0
Central African Republic	(339 360 to 508 792)	(1 183 to 1 734)	(-67.3 to -18.2)	(24 536 to 44 315)	(131 to 236)	(-30.3 to -26.0)	(369 867 to 542 841)	(1 348 to 1 917)	(-65.1 to -19.4)
	208 700	4 387	4.9	5 812	160	-11.6	214 512	4 547	4.2
Congo (Brazzaville)	(117 092 to 282 178) 68 878 (52 2084- 87 280)	(24/2 to 5 ///) 1 387 (1 0 (8 to 1 747)	(-23.6 to 76.5) -46.8 (50.545, 28.0)	(4 203 t0 7 667) 6 777 (4 01 7 to 8 0 67)	(11/ to 212) 170 (1244- 224)	(-13.6 to -9.7) -22.1 (-24.045-20.1)	(123 337 to 288 408) 75 655 (58 036 to 04 355)	(2 62 / to 5 938) 1 558 (1 227 to 1 022)	(-22.9 to /1.6) -44.9
DR Congo	1 268 193 (939 349 to 1 614 419)	(1088 (01746) 1470 (1130 to 1836)	-25.7 (41 5 to 9 7)	(4 917 (0 8 967) 83 702 (60 822 to 110 644)	(124 to 224) 146 (107 to 191)	-19.2 (-21.4 to -17.1)	(1021 304 to 1699 895)	(1227 to 1923) 1616 (1271 to 1974)	-25.2
Equatorial Guinea	13 356 (9 177 to 18 797)	989 (672 to 1 414)	-71.9 (-81.2 to -57.8)	1 328 (955 to 1 772)	151 (109 to 200)	-26.4 (-30.5 to -22.1)	14 683 (10 455 to 20 299)	(11) 110 1374) 1139 (824 to 1577)	-69.4 (-78.7 to -55.8)
Gabon	23 071	1 345	-37.6	2 841	198	-26.5	25 912	1543	-36.4
	(17 677 to 28 877)	(1 044 to 1 670)	(-52.4 to -19.5)	(2 047 to 3 762)	(143 to 262)	(-28.4 to -24.6)	(20 455 to 31 560)	(1234 to 1879)	(-49.6 to -20.5)
Eastern sub-Saharan Africa	2 695 814	796	-38.7	290 273	115	-21.4	2 986 087	911	-36.9
	(2 373 984 to 3 040 037)	(702 to 884)	(48.1 to -20.7)	(210 583 to 384 708)	(84 to 151)	(-22.7 to -20.1)	(2 669 293 to 3 337 893)	(817 to 1 006)	(-45.9 to -20.8)
Burundi	116 993	1 278	-39.0	9 970	143	-29.1	126 962	1 421	-38.2
	(91 887 to 154 123)	(1 006 to 1 705)	(-52.7 to -18.9)	(7 204 to 13 144)	(104 to 189)	(-30.6 to -27.5)	(101 870 to 164 717)	(1 147 to 1 866)	(-50.9 to -19.8)
Comoros	4 932	747	-48.7	840	144	-32.9	5 772	891	-46.6
	(4 062 to 6 152)	(617 to 918)	(-59.3 to -34.6)	(610 to 1 104)	(105 to 189)	(-34.6 to -31.2)	(4 878 to 6 988)	(760 to 1 064)	(-56.6 to -34.3)
Djibouti	(5 921 to 11 964)	(594 to 1 182)	-33.9 (-53.2 to 5.1)	(993 to 1 825)	(112 to 205)	-23.2 (-25.4 to -21.1)	(7 194 to 13 279)	981 (737 to 1 328)	-32.4 (-49.3 to -0.4)
Eritrea	(47 597 to 85 484) 499 860	(926 to 1 631)	(-57.9 to 4.1)	(3 843 to 7 011) 54 677	(96 to 172)	(-22.5 to -18.9) -39.7	(53 128 to 90 859) 554 537	(1 054 to 1 765) 642	(-55.8 to 1.0)
Ethiopia	(449 734 to 561 743)	(507 to 619)	(-69.3 to -41.0)	(39 606 to 72 351)	(62 to 112)	(-41.4 to -38.1)	(501 367 to 619 203)	(585 to 707)	(-67.2 to -40.6)
	260 040	638	-12.5	44 930	137	-3.4	304 970	775	-11.0
Kenya	(236 654 to 301 931)	(582 to 738)	(-36.4 to 2.6)	(32 791 to 59 369)	(100 to 181)	(-4.7 to -2.2)	(278 188 to 347 294)	(707 to 876)	(-32.5 to 1.5)
	179 605	790	-43.6	22 849	134	-28.5	202 454	924	-41.8
Malawi	(142 982 to 223 515)	(643 to 973)	(-54.8 to -27.4)	(16 506 to 30 163)	(97 to 177)	(-30.5 to -26.7)	(166 670 to 246 804)	(772 to 1 113)	(-52.2 to -27.6)
	111 972	738	-48.0	9 819	86	-26.8	121 790	825	-46.3
Mozambique	(91 063 to 134 634)	(616 to 875)	(-66.0 to 41.6)	(7 137 to 13 009)	(63 to 114)	(-28.9 to -24.7)	(100 875 to 145 018)	(696 to 964)	(-64.1 to 29.4)
	261 562	1 059	-22.1	21 320	117	-14.1	282 881	1 176	-21.4
Rwanda	(215 297 to 310 386) 127 299 (86 756 to 182 785)	(881 to 1 241) 1 173 (890 to 1 666)	(-39.5 t0 -1.4) -49.8 (C1.045 - 30.4)	(15 445 to 28 250) 12 260	(85 to 155) 142 (1034- 187)	(-17.6 to -10.7) -35.9 (-27.7 to -24.2)	(237 162 to 331 690) 139 559	(991 to 1 371) 1 315 (037 to 1 800)	(-37.4 to -2.7) -48.6 (10.245-20.0)
Somalia	267 201	1 888	-4.0	17 191	160	-10.2	284 392	2 0 48	-4.5
	(145 842 to 387 984)	(1 013 to 2 714)	(-42.0 to 132.8)	(12 519 to 22 700)	(117 to 211)	(-12.0 to -8.5)	(162 626 to 404 994)	(1 199 to 2 865)	(-39.9 to 106.7)
South Sudan	94 859	1 074	-10.8	9 575	153	0.0	104 435	1227	-9.6
	(68 486 to 129 489)	(780 to 1 476)	(-41.4 to 80.6)	(7 003 to 12 638)	(112 to 201)	(-2.2 to 2.0)	(78 306 to 139 248)	(934 to 1635)	(-38.1 to 64.6)
Tanzania	282 868	578	-33.8	37 505	104	-15.5	320 373	682	-31.5
	(236 699 to 344 225)	(496 to 668)	(-49.9 to 18.5)	(27 154 to 49 894)	(76 to 138)	(-17.5 to -13.6)	(273 598 to 383 828)	(592 to 778)	(-46.5 to 11.4)
Uganda	302 286	932	-0.9	29 551	129	6.0	331 837	1060	-0.1
	(218 879 to 395 184)	(672 to 1 201)	(-29.8 to 35.8)	(21 376 to 39 296)	(94 to 170)	(3.7 to 8.4)	(250 138 to 427 542)	(800 to 1336)	(-25.8 to 31.7)
Zambia	109 195	731	-48.2	12 933	116	-25.3	122 128	847	-45.9
	(91 767 to 130 069)	(628 to 845)	(-61.0 to -16.2)	(9 295 to 17 119)	(84 to 153)	(-26.9 to -23.5)	(104 256 to 144 241)	(738 to 968)	(-58.0 to -17.5)
Southern sub-Saharan Africa	(929 641 to 1 085 522)	(1183 to 1367)		(66 831 to 124 411)	(97 to 180)	(-35.7 to -32.0)	(1018 645 to 1 183 250)	(1 313 to 1 515) 791	(-49.5 to -37.6)
Botswana	(13 095 to 17 646)	(578 to 775)	(-49.6 to -18.0)	(1 624 to 3 034)	(82 to 153)	(-5.4 to 1.1)	(15 293 to 20 078)	(688 to 894)	(-45.8 to -16.2)
	42 944	2 179	23.7	2 440	147	16.4	45 384	2 327	23.2
Lesotho	(33 748 to 53 052)	(1722 to 2 662)	(-18.6 to 67.4)	(1 777 to 3 238)	(108 to 195)	(12.7 to 19.7)	(36 129 to 55 617)	(1861 to 2817)	(-16.8 to 63.5)
	23 628	1 012	-37.0	2 657	138	-22.2	26 286	1149	-35.5
South Africa	(18 332 to 30 536)	(792 to 1 296)	(-51.2 to -18.9)	(1913 to 3 541)	(99 to 183)	(-24.9 to -19.5)	(20 768 to 33 207)	(915 to 1 439)	(-48.6 to -19.3)
	761 989	1 316	-51.6	72 377	139	-41.4	834 366	1 455	-50.8
Swaziland	(700 240 to 840 039)	(1217 to 1443)	(-56.5 to -46.8)	(52 264 to 96 965)	(100 to 186)	(+43.3 to -39.3)	(767 782 to 914 093)	(1 349 to 1 586)	(-55.3 to -46.3)
	20 425	1823	4.2	1 335	152	-7.2	21 760	1 976	3.2
Zimbabwe	(15 596 to 25 353)	(1 398 to 2 264)	(-29.6 to 40.9)	(963 to 1 766)	(111 to 202)	(-10.0 to -4.2)	(17 056 to 26 791)	(1556 to 2 415)	(-28.2 to 36.2)
	138 775	1 059	12.0	11 813	112	22.6	150 588	1171	12.9
Western sub-Saharan Africa	3 055 422 (2 655 422 to 2 459 828)	(/4/ to 1 446) 735 (652 to 927)	(-30.3 to 48.3) -31.3 (-40.4 to -19.9)	263 396 (191 519 to 248 909)	(81 to 147) 90 (66 to 119)	-16.8 (-18.7 to -14.7)	3318 818 (2920 902 to 2 722 494)	(862 to 1 552) 825 (740 to 924)	-26.4 (0.46.4) -30.0 (-38.6 to .19.6)
Benin	161 291	1 558	-38.3	10 555	138	-18.4	171 846	1696	-37.0
	(98 062 to 226 277)	(939 to 2 171)	(-50.7 to -23.0)	(7 633 to 13 938)	(100 to 181)	(-21.0 to -16.0)	(107 762 to 237 755)	(1076 to 2318)	(-48.7 to -22.7)
Burkina Faso	190 544	952	-17.2	8 697	58	30.4	199 241	1010	-15.4
	(151 688 to 241 192)	(786 to 1 135)	(-34.3 to 4.5)	(6 286 to 11 561)	(42 to 77)	(26.2 to 34.2)	(160 444 to 249 863)	(847 to 1197)	(-31.9 to 5.5)
Cameroon	209 089	861	-38.1	17 585	93	-29.8	226 673	954	-37.4
	(161 285 to 266 986)	(672 to 1 089)	(-53.2 to -20.6)	(12 676 to 23 301)	(68 to 123)	(-31.7 to -28.0)	(178 727 to 286 880)	(760 to 1 188)	(-51.0 to -21.5)
Cape Verde	1 865	343	-1.6	392	78	13.1	2 257	421	0.9
	(1 569 to 2 151)	(292 to 394)	(-18.1 to 17.7)	(280 to 525)	(56 to 104)	(8.8 to 17.7)	(1 957 to 2 581)	(367 to 479)	(-13.4 to 17.0)
Chad	151 052	1 021	3.6	8 823	96	3.0	159 875	1117	3.5
	(120 467 to 191 963)	(824 to 1 296)	(-17.4 to 29.8)	(6 408 to 11 567)	(70 to 125)	(0.7 to 5.4)	(129 324 to 201 368)	(919 to 1406)	(-16.3 to 26.5)
Cote d'Ivoire	(158 093 to 231 521)	(709 to 1 004)	-22.9 (-38.6 to -4.9)	(12 884 to 23 458)	(72 to 131)	-14.9 (-16.8 to -12.9)	(175 439 to 248 868)	941 (804 to 1 100)	-22.2 (-36.3 to -5.9)
The Gambia	(9 937 to 18 129) 261 092	(574 to 954)	(-36.2 to 9.6)	(982 to 1 774) 25 097	(67 to 121)	(-17.3 to -13.0)	(11 197 to 19 549) 296 199	(664 to 1 058)	(-34.5 to 6.4)
Ghana	(217 551 to 314 793) 101 874	(794 to 1 113) 935	(-30.6 to 13.7) -33.9	(18 173 to 33 320) 7 906	(80 to 145)	(4.4 to 11.0) -70.3	(241 971 to 340 475) 109 730	(897 to 1 227) 1 0 3 4	(-27.5 to 12.9) -32.8
Guinea	(83 690 to 123 674)	(784 to 1 106)	(-46.8 to -15.1)	(5 777 to 10 441)	(72 to 130)	(-22.9 to -17.8)	(91471 to 131 593)	(882 to 1 210)	(-44.9 to -15.5)
	20 408	1 250	-45.0	1 187	94	-28.9	21 595	1 345	-44.1
Liberia	(15 360 to 26 445)	(987 to 1 563)	(-57.3 to -28.3)	(865 to 1 561)	(69 to 124)	(-30.8 to -27.1)	(16 576 to 27 527)	(1081 to 1655)	(-55.7 to -28.4)
	26 188	610	-49.7	2 325	70	-31.6	28 513	680	-48.3
Mali	(20 445 to 39 119)	(496 to 784)	(-60.9 to -31.4)	(1 686 to 3 067)	(51 to 92)	(-33.7 to -29.6)	(22 737 to 41 876)	(566 to 856)	(-58.9 to -31.4)
	188 987	858	-50.3	11 414	88	-30.6	200 402	946	-49.0
Mauritania	(146 251 to 244 582)	(690 to 1 106)	(-60.7 to -33.7)	(8 293 to 15 041)	(64 to 115)	(-33.1 to -28.2)	(157 901 to 255 603)	(776 to 1 207)	(-58.6 to -33.6)
	34 035	929	-48.4	2 160	77	-32.1	36 195	1 006	-47.4
Niger	(28 829 to 39 469)	(784 to 1 085)	(-57.2 to -35.5)	(1 567 to 2 860)	(56 to 101)	(-34.0 to -30.0)	(30 991 to 41 625)	(857 to 1 161)	(-55.7 to -35.4)
	149 418	719	-45.8	10 748	86	-27.5	160 166	806	-44.3
Nigeria	(108 319 to 202 092)	(548 to 966)	(-58./ to -26.6)	(/ /b3 to 14 143)	(63 to 113)	(-29.8 to -25.3)	(118 39/ to 213 722)	(615 to 1 053)	(-56.4 to -26.6)
	1 145 211	541	-34.4	117 833	86	-18.2	1 263 044	627	-32.6
	(757 600 to 1 496 926)	(378 to 711)	(-50.0 to -11.6)	(85 621 to 156 640)	(62 to 114)	(-20.6 to -15.4)	(864 674 to 1 619 069)	(461 to 902)	(-46.7 to -12.4)
Sao Tome and Principe	1176	633 (409 to 901)	-12.1	146	96	-9.5 (-12.8 to -6.4)	1 322 (949 to 1 644)	729	-11.8
Senegal	87 552	659	-29.1	9 402	90	-21.7	96954	748	-28.3
	(68 558 to 139 893)	(526 to 992)	(-42.7 to -5.3)	(6 844 to 12 377)	(66 to 118)	(-23.8 to -19.6)	(77126 to 148 265)	(609 to 1 087)	(-40.6 to -7.3)
Sierra Leone	66 081	895	-32.9	4 871	90	-23.7	70 951	984	-32.2
	(54 172 to 80 829)	(747 to 1 083)	(-47.1 to -11.3)	(3 520 to 6 419)	(66 to 118)	(-26.0 to -21.6)	(58 303 to 86 148)	(828 to 1 183)	(-45.3 to -12.5)
Тодо	55 597	839	-23.2	5 080	93	-21.3	60 678	932	-23.0
	(44 150 to 70 287)	(674 to 1 044)	(-44.0 to 3.3)	(3 676 to 6 699)	(67 to 122)	(-23.9 to -18.7)	(49 056 to 75 877)	(770 to 1 138)	(-42.2 to 0.9)