

Global burden of osteoarthritis from 1990 to 2019 attributable to high body mass index

Keywords

osteoarthritis, high body mass index, Global disease burden, age-standardized DALY rate, annual estimated percentage change

Abstract

Introduction

To examine data from the Global Burden of Disease Study (GBD) 2019 to determine the global burden of osteoarthritis (OA) from 1990 to 2019 that is attributable to high body mass index (BMI).

Material and methods

Disability-adjusted life years (DALYs) and age-standardized DALY rates, and their corresponding estimated annual percentage changes (EAPCs), were used to compare estimated OA burdens between countries and regions. Moreover, a comparative risk assessment framework was used to estimate the risks attributable to high BMI in terms of DALYs.

Results

From 1990 to 2019, the age-standardized DALY rate for OA attributable to high BMI increased significantly (EAPC = 1.45, 95% CI: 1.44, 1.47). Moreover, from 1990 to 2019, the age-standardized DALY rate and number of DALYs for OA attributable to high BMI increased less in women than in men. From 1990 to 2019, the age-standardized DALY rate for OA attributable to high BMI increased the most in South Asia (EAPC = 3.94). From 1990 to 2019, among 204 countries worldwide, the age-standardized DALY rate for OA attributable to high BMI increased the most in Equatorial Guinea (EAPC = 7.42). Also, the burden was higher in high-sociodemographic index (SDI) regions than in low-SDI regions.

Conclusions

The global burden of OA attributable to high BMI increased significantly from 1990 to 2019. In particular, this burden was higher in women than in men; primarily affected middle-aged and older adults; and was generally greater in high-SDI regions than in low-SDI regions.

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Conclusion: The global burden of OA attributable to high BMI increased significantly from 1990 to 2019. In particular, this burden was higher in women than in men; primarily affected middle-aged and older adults; and was generally greater in high-SDI regions than in low-SDI regions.

Keywords: Global disease burden; osteoarthritis; high body mass index; age-standardized DALY rate; annual estimated percentage change

Introduction

Osteoarthritis (OA) is the most common joint disease worldwide and severely affects the health and quality of life of the global population, especially middle-aged and older adults. There were over 25 million people with OA worldwide in 2020, and the number of people with OA is continually increasing. Consequently, OA places an enormous burden on public health systems worldwide [1]. It is therefore important to determine the pathogenesis of and risk factors for OA and to develop effective preventive and treatment methods for this disease.

A high body mass index (BMI) is considered to be a controllable risk factor for OA that may account for its high incidence rate [2]. In recent years, multiple studies have found that there is a close relationship between high BMI and the occurrence of OA [1-3]. For example, an excessively high BMI may increase the risk of OA, especially in the knee joint [2, 4]. However, few studies have assessed and compared the burden of OA attributable to high BMI at the global and national levels. Moreover, the global OA burden attributable to high BMI and its temporal changes must be determined to allow global priorities for OA prevention to be formulated.

Accordingly, we extracted and analyzed data from the Global Burden of Disease Study 2019 (GBD 2019) to determine the burden of OA attributable to high BMI from 1990 to 2019 and the change trends in the global number of DALYs and age-standardized DALY rate for OA attributable to high BMI from 1990 to 2019. In addition, we analyzed our results in terms of age, gender, and sociodemographic index (SDI). Our findings enhance our understanding of global trends in the OA burden, and our data provide strong support for public health decision-making [1].

Materials and Methods

Research data

The GBD 2019 examined published literature, survey, and epidemiological data, which were collected and sorted by more than 3,600 researchers in more than 145 countries worldwide. In particular, the GBD 2019 analyzed epidemiological data on more than 350 diseases in 204 countries and regions and then calculated parameters such as the incidence rate, morbidity, mortality, and DALYs. In the current study, we obtained data from the GBD 2019 database and analyzed these data to identify their change trends—i.e., calculated the global total of age-standardized DALYs, the age-standardized DALY rate, and their EAPCs—to determine the global burden of OA attributable to high BMI from 1990 to 2019. This study was approved by the ethics committee of Nanping First Hospital Affiliated to Fujian Medical University, China.

The SDI is a comprehensive index composed of three indicators: per capita income, education level, and total fertility rate. Consequently, the SDI of a region or country reflects its level of social development and is therefore an important variable for assessing its disease burden and level of health. This study analyzed the SDIs of 204 countries worldwide, as the GBD study uses SDIs to classify 204 countries and regions into five quintiles, i.e., low-, low-middle-, middle-, high-middle-, and high-SDI regions.

Case definition

OA is the most common form of arthritis and features chronic inflammation of, structural changes in, and breakdown of whole joints. For the purposes of this study, the occurrence of OA in the hip, knee, hand (the common sites of OA), and other sites were reviewed. The International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10) codes for OA of the hip, knee, hand, and other sites are M16, M17, M18, and M19, respectively. The ICD-9 code for OA is 715, without specific codes for different sites.

Attribution analysis

We used comparative risk assessment (CRA) in inverse factual analysis, the proportion of the risk of a disease that would be reduced by a risk factor at the theoretical minimum level of exposure in the population is calculated as the population attributable fraction (PAF) of the risk factor, assuming that the exposure to other risk factors remains constant, and the product of the PAF and the disease DALY is the attributable DALY of the risk factor [5]. It used to study the effect of high BMI on the global burden of OA.

This framework provides a comprehensive method for quantifying risk factors and thereby effectively obtaining evidence on correlations between a risk and its outcomes. The CRA framework was thus used to estimate the levels and trends of high BMI and the number of DALYs for OA attributable to high BMI for each age group, gender, year, and location. Statistical models were used to aggregate data, adjust for bias, and incorporate covariates. In addition, the theoretical minimum risk exposure level was used as a counterfactual scenario to estimate the impact of high BMI (as an exposure) on DALYs for OA attributable to high BMI.

Statistical analysis

Age-standardized rates of OA were calculated to determine the global burden of OA attributable to high BMI, and EAPCs in the age-standardized rates of OA were used to describe their change trends with respect to high BMI. If the lower limit of an EAPC in the age-standardized rate of OA attributable to high BMI and its 95% confidence interval (CI) were both greater than 0, this was regarded as indicating that a high BMI had led to an increase in this rate. Conversely, if the upper limit of an EAPC in the age-standardized rate of OA attributable to high BMI and its 95% CI were both less than 0, this was regarded as indicating that a high BMI had led to a decrease in this rate. If neither of the aforementioned conditions

was met, it was considered that the age-standardized rate of OA attributable to high BMI had been relatively stable (i.e., had not significantly changed).

Results

Trends in the global burden of OA attributable to high BMI from 1990 to 2019

From 1990 to 2019, the global number of DALYs for OA attributable to high BMI increased from 855,232.12 (95% UI: 298,050.76, 1,904,099.38) to 2,668,329.84 (95% UI: 1,039,759.44, 5,746,329.50; Table 1), and the age-standardized DALY rate increased from 21.24 (95% UI: 7.42, 47.45) to 31.90 (95% UI: 12.40, 68.75; Table 1). Moreover, globally from 1990 to 2019, the EAPC in the age-standardized DALY rate for OA attributable to high BMI was 1.45 (95% CI: 1.44, 1.47), and over this period, this rate had continually increased (Table 1, Figure 1(A)). In addition, globally from 1990 to 2019, the number of DALYs for OA attributable to high BMI increased. Thus, from 1990 to 2019, the global burden of OA attributable to high BMI increased.

Age distribution of the burden of OA attributable to high BMI in 2019

In 2019, in terms of DALYs, the burden of OA attributable to high BMI increased with age, although decreased in the very old age group. Specifically, it peaked in those aged of 70–74, and gradually decreased after the age of 79 (Supplementary Table 1, Figure 2). In 2019, the same trend in DALY rates for OA attributable to high BMI was largely held across regions with various SDIs, i.e., these rates significantly increased with age but decreased in the elderly. People in low-, low-middle-, and middle-SDI regions had maximum DALY rates in the youngest age groups. In addition, the average DALY rate peaked in those aged of 65–69 and then decreased. Moreover, the maximum DALY rate occurred in those aged 75–79 in middle-high-SDI regions and in those aged 70–74 in high-SDI regions. That is, the maximum DALY rate occurred

in middle-high-SDI regions in those who were an average of 5 years older than those in which it occurred in high-SDI regions. Overall, in higher-SDI regions, the maximum DALY rate occurred in older people than it did in lower-SDI regions (Supplementary Table 1, Figure 2). Furthermore, the global burden of OA attributable to high BMI was low in those aged 30–49 and was mainly concentrated in those aged 60–89.

Regarding the age distribution of the OA burden attributable to high BMI in various regions, the DALY rate in people aged over 90 in Oceania, High-income North America, and Eastern Europe was higher than the average DALY rate across all age groups globally. Conversely, the DALY rate in people aged over 90 in Central sub-Saharan Africa, Eastern sub-Saharan Africa, and South Asia was lower than the average DALY rate across all age groups globally (Supplementary Table 1, Figure 3).

Gender distribution of the burden of OA attributable to high BMI from 1990 to 2019

From 1990 to 2019, the number of DALYs for OA attributable to high BMI increased in both men and women: from 575,866.58 (95% UI: 21,485.22, 1,309,899.06) to 1,715,478.01 (95% UI: 647,529.66, 3,755,348.50) in women, and from 279,365.54 (95% UI: 86,646.17, 644,516.62) to 952,851.82 (95% UI: 333,582.22, 2,088,145.45) in men (Table 1). Similarly, from 1990 to 2019, the age-standardized DALY rate for OA attributable to high BMI increased in both men and women: from 27.00 (95% UI: 9.46, 61.40) to 39.32 (95% UI: 14.84, 86.04) in women, and from 14.55 (95% UI: 4.53, 33.59) to 23.74 (95% UI: 8.35, 52.23) in men. Moreover, from 1990 to 2019, the EAPC in the age-standardized DALY rate for OA attributable to high BMI trended upward in both men and women, being 1.74 (95% CI: 1.72,1.77) in men and 1.35 (95% CI: 1.33,1.37) in women.

Overall, from 1990 to 2019, the upward trend in the age-standardized DALY rate for OA attributable to high BMI was less pronounced in women than in men, and the increases in this rate and number of

DALYs for OA attributable to high BMI were not as substantial in women as they were in men.

In addition, the number of DALYs and age-standardized DALY rate for OA attributable to high BMI in both 1990 and 2019 were lower in men than in women (Table 1).

Geographic distribution of the burden of OA attributable to high BMI from 1990 to 2019

Among the 21 geographical regions worldwide (which encompass 195 countries), in 2019, Oceania (57.49) had the highest age-standardized DALY rate attributable to high BMI, followed by High-income North America (56.20) and Andean Latin America (49.77), whereas Central sub-Saharan Africa had the lowest age-standardized DALY rate attributable to high BMI (16.81), followed by Eastern sub-Sahara Africa (18.34) and South Asia (18.78) (Table 1, Supplementary Table 7). From 1990 to 2019, the age-standardized DALY rate attributable to high BMI increased the most in South Asia (3.94), Southeast Asia (3.79), and East Asia (3.32), whereas it increased the least in Oceania (0.49), Central sub-Sahara Africa (0.55), and High-income North America (0.60) (Table 1, Supplementary Table 2).

Among the countries worldwide, in 2019, Puerto Rico had the highest age-standardized DALY rate for OA attributable to high BMI (66.34), followed by the United States Virgin Islands (64.55) and American Samoa (63.60), whereas Somalia had the lowest age-standardized DALY rate attributable to OA (6.39), followed by Timor-Leste (7.04), and the Democratic People's Republic of Korea (9.95). From 1990 to 2019, the age-standardized DALY rate for OA attributable to high BMI increased the most in Equatorial Guinea (EAPC = 7.42), followed by Nepal (EAPC = 5.30) and Bangladesh (EAPC = 5.48), whereas it decreased the most in the Democratic Republic of the Congo (EAPC = -0.67) (Table 1, Supplementary Table 7, Figure 4).

In addition, from 1990 to 2019, among 204 countries in the world, there were marked differences by

gender in the EAPCs of age-standardized DALY rates for OA attributable to high BMI. In women, Equatorial Guinea (EAPC = 6.87), Nepal (EAPC =5.49) and Bangladesh (EAPC =5.19) had the largest increases in the burden of OA for OA attributable to high BMI, with this ranking being the same in the group with both genders. However, in men, there was a only a small difference between Nepal and Bangladesh in terms of the increase in the burden for OA attributable to high BMI (EAPC = 5.33 vs. 5.32) (Table 1, Supplementary Table 7, Figure 4).

Relationship between the burden of OA attributable to high BMI and SDI from 1990 to 2019

In 1990 and 2019, high-SDI regions showed high numbers of DALYs and high age-standardized DALY rates for OA attributable to high BMI. Specifically, in 1990, the number of DALYs in high-SDI regions was 342,409.19 (95% CI: 129,267.65, 755,159.72), whereas in low-SDI regions, it was much lower at 21,647.37 (95% CI: 5,540.115, 4,752.98). Similarly, in 2019, the number of DALYs in high-SDI regions was 744,139.23 (95% CI: 296,478.79, 1,631,379.34), whereas in low-SDI regions it was lower at 93,844.04 (95% CI: 31,644.97, 213,835.21) (Supplementary Table 3). Furthermore, in high-SDI regions in 1990, the age-standardized DALY rate was 33.81 (95% CI: 12.77,74.78), whereas in low-SDI regions, it was only 8.43 (95% CI: 2.15,21.27). Similarly, in 2019, the age-standardized DALY rate was 43.67 (95% CI: 17.41,96.19) in high-SDI regions, whereas it was much lower at 16.50 (95% CI: 5.48, 37.72) in low-SDI regions. Thus, as the SDI of a region increased, so did its burden of OA attributable to high BMI (Table 1, Supplementary Table 4).

However, from 1990 to 2019, the growth trends in the age-standardized DALY rates for OA attributable to high BMI varied with regions' SDIs. The highest EAPC in the age-standardized DALY rate occurred in low-middle SDI regions (EAPC = 3.29, 95% CI: 3.23, 3.36), whereas the lowest EAPC in the

age-standardized DALY rate occurred in high-SDI regions (EAPC = 0.82, 95% CI: 0.76, 0.87). Thus, the growth trend in the burden of OA attributable to high BMI from 1990 and 2019 did not correspond to the burdens in 1990 and 2019, but the global burden generally increased from 1990 to 2019.

As the SDI increased, the global age-standardized DALY rate for OA attributable to high BMI first decreased, then increased, then decreased again, and then finally increased again. In regions with an SDI that was initially less than 0.60, as the SDI increased, the age-standardized DALY rate first decreased and then increased, and then decreased to a minimum at an SDI of approximately 0.37, and finally increased until an SDI of 0.60. In regions with an SDI that was initially greater than 0.60, as the SDI increased, the age-standardized DALY rate first decreased and then increased, but generally remained unchanged. This indicates that the burdens of OA attributable to high BMI were almost identical across high-SDI regions, whereas they were significantly different across low-SDI regions (Table 1, Supplementary Table 4, Supplementary Fig. S1).

The overall global growth in the burden of OA attributable to high BMI exhibited a slow downward trend as the SDI increased. In regions with an SDI that was initially less than 0.30, the growth in the burden increased slightly as the SDI increased, whereas in regions with an SDI that was initially greater than 0.30, the growth in the burden decreased rapidly as the SDI increased, and finally increased slightly in the highest-SDI regions. This indicates that the growth in this burden will continue decreasing in the near future, as regions' SDIs increase (Table 1, Supplementary Table 3, Supplementary Table 4, Fig. 2S).

Factors influencing EAPCs in the global burden of OA attributable to high BMI

We found that the SDI of a country or region in 2019 was significantly correlated with the EAPC in its age-standardized DALY rate for the OA burden attributable to high BMI from 1990 to 2019 and the age-

standardized DALY rate for this burden in 1990. The latter represents the baseline health burden, and the SDI in 2019 is a measure of the level of healthcare and development in a country or region in that year.

Specifically, first, we found that there was a significant and negative correlation ($t = -14.651$, $r = -0.7177588$; $p < 2.2e-16$) between the EAPC in the age-standardized DALY rate from 1990 to 2019 and the DALY rate in 1990 with respect to the burden of OA in a region or country attributable to high BMI. This shows that compared with countries or regions with a lower baseline burden of OA attributable to high BMI, those with a higher baseline burden of OA attributable to high BMI had a slower rate of growth in this burden from 1990 to 2019 (Fig. S3(A)).

Second, we found that there was a significant and moderately negative correlation between the EAPC in the age-standardized DALY rate of the global burden of OA attributable to high BMI from 1990 to 2019 and SDIs ($t = -7.7957$, $r = -0.5294821$; $p < 2.2e-16$). Specifically, the graph shows that in regions with SDIs less than 0.5, there was a slight positive correlation between SDIs and the EAPC in the age-standardized DALY rate of the global burden of OA attributable to high BMI. This indicates that from 1990 to 2019, as SDIs increased, there was faster growth in this burden in regions that initially had lower SDIs than in those that initially had higher SDIs. Conversely, in this period in regions with SDIs of 0.5 to 1, there was a significant and negative correlation between SDIs and the EAPC in this rate. This indicates that in this period, as SDIs increased, there was a slower increase in the OA burden attributable to high BMI in regions that initially had higher SDIs than in those that initially had lower SDIs (Supplementary Fig. S3(B)).

Discussion

This study analyzed data on the global burden of OA attributable to high BMI that were obtained from the GBD 2019. The results show that the distribution of this burden differed substantially between countries

and regions.

From 1990 to 2019, the number of DALYs and age-standardized DALY rates for the global OA burden attributable to high BMI increased, which may be attributable to the significant increase in obesity rates worldwide in the past few decades. **The result is as same as previous studies [6, 7].** A high BMI is typically associated with obesity, which may be an important factor contributing to increases in the burden of OA [8-10]. For example, obesity may increase pressure on joints, especially the knee and hip joints, thus increasing the risk of OA. Another possible reason for the increase in this burden is population aging: as this occurs globally, the incidence rate of OA may increase, as the elderly are more likely to suffer from OA than younger people, because the wear and tear of joints increases with age [11]. A further possible reason for the increase in this burden is the adoption of modern lifestyles, which can feature unhealthy eating habits and a lack of exercise, which may lead to an increase in BMI and thereby increase the risk of developing OA. A final possible reason is that advances in medical technology have resulted in increases in the number of diagnoses of OA [10].

In 2019, the global burden of OA attributable to high BMI increased with age and peaked in those aged 70–74. The age at which this maximum occurred varied with regions' SDIs, but the overall burden across regions of the world was concentrated in those aged 60–89 [11, 12]. This may be because OA is an age-related disease, as described above. However, in the very old age group, a decrease in this burden was observed; this may be because compared with other age groups, this age group is smaller and has other, more serious health problems. In low-, low-middle-, and middle-SDI regions, the burden peaked in the young age group, which may be because people in these regions have poor living conditions, malnutrition, and lack necessary medical care, which can lead to an early onset of OA. In contrast, in middle-high- and high-

SDI regions, the burden of OA peaked in the older age group, which may be because people in these regions have better living conditions and medical care, which can delay the age of onset of OA. Regarding the between-region differences in the age distribution of the burden of OA attributable to high BMI, the proportion of the burden in those aged over 90 was high in High-income North America, Oceania, and Eastern Europe, which may be due to the long lifespans of populations in these regions [13-15]. In contrast, the proportion of the burden in those aged over 90 was low in Central sub-Saharan Africa, Eastern sub-Saharan Africa, and Southeast Asia, which may be due to the short lifespans of populations in these regions [8, 9, 16].

From 1990 to 2019, the burden of OA attributable to high BMI increased in both men and women, but increased more in women than in men. In addition, although the growth rate of the age-standardized DALY rate of the burden increased slower in women than in men, the baseline rate was higher in women than in men [11]. This is likely attributable to the relationship between gender and OA. For example, studies have shown that women are more likely to develop OA than men, especially post-menopausal women. This may be because estrogen supports bone health, and thus, post-menopausal decreases in women's estrogen concentrations may increase their risk of OA [14]. There is also a relationship between gender and BMI. In many communities, women have a higher BMI than men, which may be due to socio-cultural, biological, or lifestyle factors, and a high BMI is a risk factor for OA [14]. Gender differences also play a role in the growth trends in OA burden; although this growth trend was found to be slower in women than in men, this might have been because more women than men had OA at baseline, which ultimately led to the numbers of DALYs for OA attributable to high BMI being higher in women than in men [11, 13, 17].

In 2019, among 21 geographical regions in the world, the highest age-standardized DALY rate for OA

attributable to high BMI occurred in Oceania, followed by High-income North America and Andean Latin America, whereas the lowest occurred in Central sub-Saharan Africa. From 1990 to 2019, the rate increased the most in South Asia, Southeast Asia, and East Asia, whereas it increased the least in Oceania, Central sub-Saharan Africa, and High-income North America. Among all of the countries of the world, in 2019, the rate was highest in Puerto Rico and lowest in Somalia. From 1990 to 2019, the rate increased the most in Equatorial Guinea and decreased only in the Democratic Republic of the Congo.

The burden of OA attributable to high BMI might have varied between geographical regions due to region-specific factors. For example, the fact that the burden was highest in Oceania, High-income North America, and Andean Latin America might have been because people in these regions have lifestyles and dietary habits that lead to an increase in BMI [11, 18], e.g., a high intake of calories and a low level of physical activity, which in turn increases the risk of OA. In contrast, the fact that the burden was lowest in Central sub-Saharan Africa, Eastern sub-Saharan Africa, and South Asia might have been because people in these regions have poor living conditions and malnutrition, which leads to a decrease in BMI and thus decreases the risk of OA [11]. Similarly, the burden might have varied between countries due to country-specific factors. For example, the burden was highest in Puerto Rico, the United States Virgin Islands, and American Samoa, which may be because people in these countries have lifestyles and dietary habits that lead to high BMIs. In contrast, the burden was lowest in Somalia, Timor Leste, and the Democratic People's Republic of Korea, which may be because people in these countries have poor living conditions and malnutrition, which lead to a decrease in BMI. Furthermore, in 204 countries worldwide, the burden increased faster in women than in men, which is probably because women are more likely to develop OA than men due to post-menopausal decreases in the concentration of estrogen, as mentioned above [4, 11, 18].

We also found that from 1990 to 2019, the burden of OA attributable to high BMI was higher in high-SDI regions than in low-SDI regions [19]. However, as the SDI increased, the growth trend in the burden first decreased and then increased, which indicates that there is a complex relationship between the SDI and the burden of OA attributable to high BMI [11, 18]. Several types of factors may account for this relationship. The first type of factors are lifestyle and environmental factors. Compared with people living in low-SDI countries, those living in high-SDI countries may have lifestyles, such as those featuring a high intake of high-calorie foods and a lack of exercise, that make them more likely to have a high BMI [20]. In addition, compared with environments in low-SDI countries, those in high-SDI countries may tend to better facilitate the development of a high BMI; e.g., convenient transportation facilities may lead people to favor driving over walking or cycling. The second type of factors are medical resource factors. In high-SDI countries, medical resources are usually abundant, so it may be easy to detect and diagnose diseases such as OA, thereby leading to a high burden of OA being identified. Aging is also an important factor; that is, compared with low-SDI countries, high-SDI countries have better healthcare systems and higher living standards, and thus, their residents may have longer average lifespans [21]. Therefore, as the occurrence of OA is closely associated with increased age, the burden of OA may be higher in high-SDI countries than in low-SDI countries. In contrast, in low-SDI countries, as the SDI increases, the corresponding increase in the burden of OA attributable to high BMI may be most related to rapid urbanization and lifestyle changes. For example, the transformation from a traditional agrarian economy to an industrial or service-industry economy may significantly reduce people's level of activity and alter their dietary habits, thereby leading to an increase in BMI [22].

Finally, we found that from 1990 to 2019, the global growth rate of (i.e., EAPC in) the age-

standardized DALY rate for OA attributable to high BMI was significantly negatively correlated with the burden in 1990 and the SDI in 2019. That is, the growth rate of the burden slowed as the baseline burden and SDI increased [23]. There are two possible reasons why an increase in the baseline burden had this effect. First, as the baseline burden increases, more public health interventions and strategies may be implemented to mitigate its effects [24], such as interventions and strategies to improve diets and lifestyles, provide improved medical services, and increase public awareness of the relationship between a high BMI and OA. Second, over time, more effective treatments for and methods of managing OA (e.g., drugs, surgical techniques, or pain management strategies) may be developed and implemented. Similarly, an increase in the SDI might have had this effect because compared with low-SDI countries, high-SDI countries might have better healthcare systems and more resources (e.g., better medical facilities, more doctors and nurses, and better public health strategies) to prevent and manage OA. In addition, compared with residents of low-SDI countries, residents of high-SDI countries may have better health knowledge and behaviors (e.g., healthier diets and higher levels of physical activity), which may help to maintain healthy BMIs [25].

In general, the above-described analysis of our findings shows that a high BMI is an important factor affecting the global burden of OA. Efforts to prevent and control OA worldwide should focus on achieving the following five goals. First, health education and publicity should be strengthened, and public awareness of BMI, OA, and their relationship should be increased. The public should be educated on the importance of having a healthy diet and performing a moderate level of exercise for maintaining a healthy BMI, and how this can reduce the risk of OA. Second, diet and exercise interventions should be used to promote healthy lifestyles, such as by providing nutritional guidance, encouraging regular exercise, and providing

healthy food choices. These measures can help people to reduce their BMI and thereby their risk of OA. Third, early screening and interventions should be implemented in high-risk populations (such as those with high BMI or a family history of OA) [26], as this can reduce the risk of OA [27]. Fourth, medical services should be improved such that high-quality pain management, physical therapy, and surgical treatments are available for those with OA to help them to manage symptoms, improve their quality of life, and reduce the burden of OA. Fifth, policy interventions should be devised by governments to reduce the risk of developing a high BMI. These could include restricting advertising of high-sugar and high-fat foods, providing tax incentives for healthy foods, and building additional public-sports facilities.

Our study has some distinct strengths. This study included OA in the hip, knee, hand (the common sites of OA), and other sites, the types of OA were more comprehensive than in previous studies. This study use the standardised GBD methodology for comparison across geographies and years, and report OA disease burden trend over the last three decades in all of the world. In data scarcity, the GBD study uses covariates and other techniques that borrow strength over space and time to generate the best possible estimates [28].

There were some limitations in this study: The major limitation of the GBD analysis of the burden of diseases and injuries is the availability of primary data [29]. This study was based on GBD 2019 study, since OA measurement is heterogeneous, it is difficult to compare estimates across populations and can lead to errors [30]. Nonetheless, efforts are required to develop population-level registries and disease surveillance systems to monitor OA burden trends and their risk factors all over the world.

Conclusion

This study found that the distribution of the global burden of OA attributable to high BMI varied

substantially between countries and regions. From 1990 to 2019, the global number of DALYs and age-standardized DALY rate for OA attributable to high BMI increased. Moreover, in this period, the number of DALYS and the age-standardized DALY rate increased in both men and women. In 2019, the age-standardized DALY rate increased with age, but decreased in the very old age group. In regions with different SDIs, the age trends in the DALY rate remained largely the same: there was a significant increase with age and a decrease in the elderly. From 1990 to 2019, among the 21 geographical regions worldwide, the age-standardized DALY rate in South Asia (EAPC = 3.94) increased the most, while that in Oceania (EAPC = 0.49) increased the least. From 1990 to 2019, among the 204 countries worldwide, Equatorial Guinea had the largest increase in the age-standardized DALY rate (EAPC = 7.42), whereas the Democratic Republic of the Congo had the largest decrease (EAPC = -0.67). In general, the burden was higher in high-SDI regions than in low-SDI regions.

The correlation analysis revealed that the global growth rate of the age-standardized DALY rate for OA attributable to high BMI was significantly negatively correlated with the age-standardized DALY rate in 1990 and with the SDI in 2019. As the baseline burden and SDI increased, the growth rate of the age-standardized DALY rate slowed.

The above-mentioned conclusions indicate that high BMI is an important factor affecting the global burden of OA, which increases with age and is higher in some regions and populations than in others. This highlights the importance of preventing and managing high BMI to reduce the burden of OA worldwide.

Ethics approval and consent to participate

This study was approved by the ethics committee of Nanping First Hospital Affiliated to Fujian Medical University, China. All of the participants or their legal representatives provided written informed consent during recruitment.

Consent for publication

Not available.

Availability of data and materials

The datasets used and/or analyzed during the current study are available from the corresponding author on reasonable request.

Conflict of interests

The authors declared no potential conflicts of interest with respect to the research, authorship, and/or publication of this article .

Authors' contributions

Yang S, Zhou L and Gong W conceived and designed the study. Yang S, Gou B analyzed and interpreted the data. Yang S and Wang L drafted the manuscript. Zhou L contributed to the interpretation of the results. Yang S assisted with the data collection and analysis. All authors agreed to be accountable for all aspects of the work. All authors contributed to the article and approved the submitted version.

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Preprint

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Figure Legends

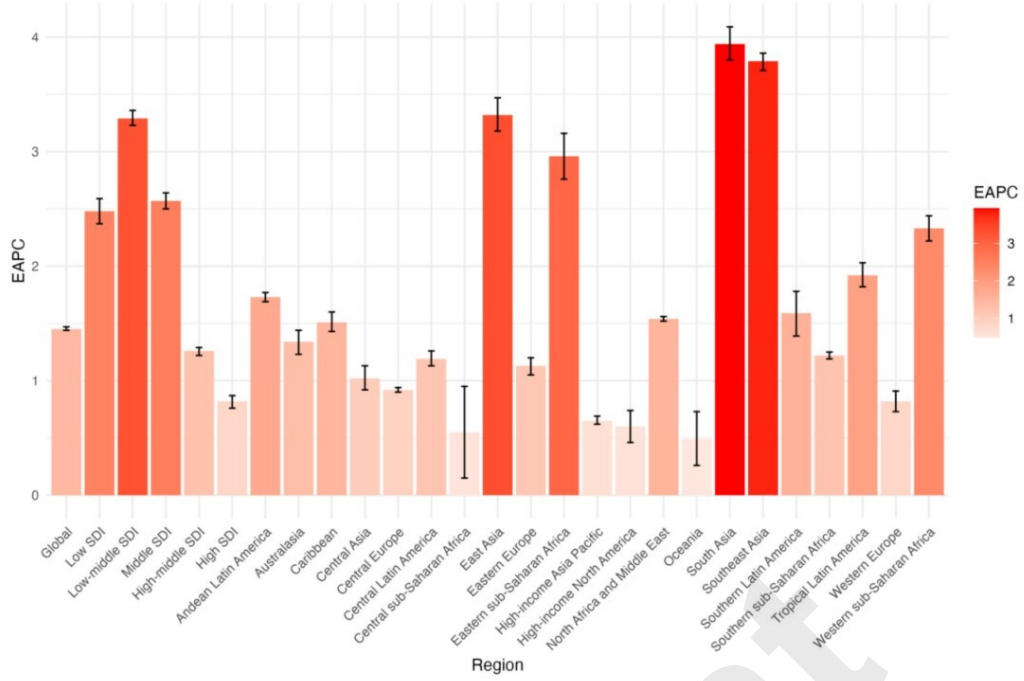
Figure 1. Global Osteoarthritis Disease Burden Attributable to High BMI for (A) EAPC of age-standardized DALY rate from 1990 to 2019 (B) age-standardized DALY rate in 2019. EAPC = estimated annual percentage change. DALY = disability adjusted life-year

Figure 2. Age-standardized DALY rate of global osteoarthritis disease burden attributable to high BMI, by region and age. DALY = disability adjusted life-year

Figure 3. Composition of age-standardized DALY rates in different age groups of the global osteoarthritis disease burden attributable to high BMI, by region. Abbreviations: DALY = disability adjusted life-year

Figure 4. EAPC of age-standardized DALY rate for global osteoarthritis disease burden attributable to high BMI in 204 countries in 2019 (A) All-sex group (B) Male group (C) Female group. EAPC = estimated annual percentage change. DALY = disability adjusted life-year

A



B

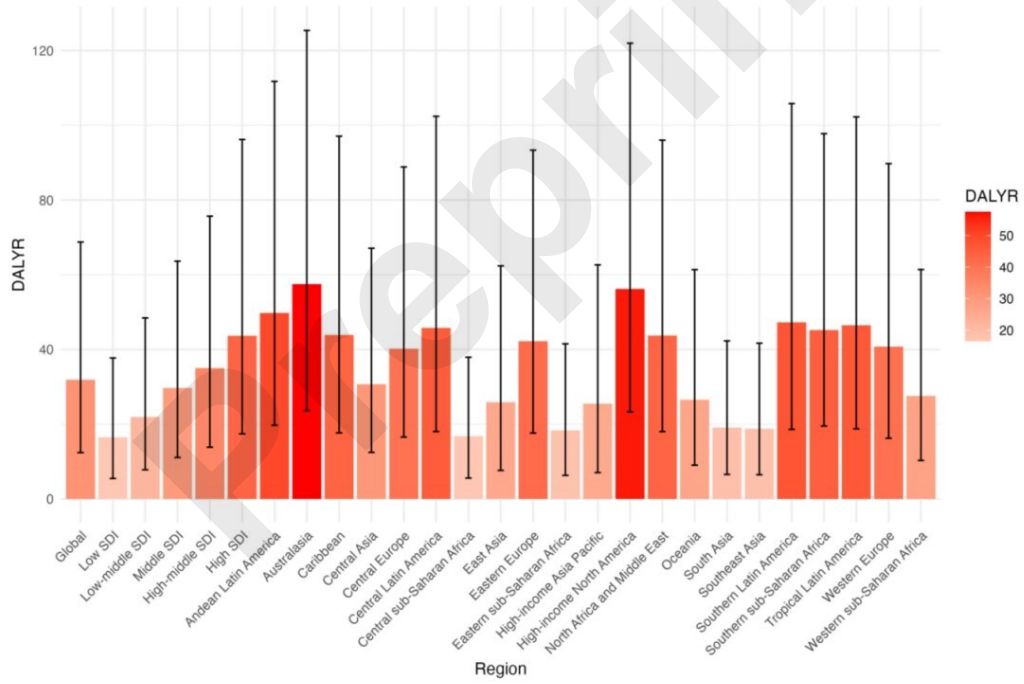


Table 1. Number and rate of global osteoarthritis disease-adjusted DALYs attributable to high BMI in 1990 and 2019, and EAPC from 1990 to 2019

| Characteristics | 1990 | | 2019 | | EAPC(1990-2019) |
|------------------------|---------------------------------|--------------------------------------|-----------------------------------|--------------------------------------|----------------------------|
| | DALYs | Age-standardized DALY rate per 10000 | DALYs | Age-standardized DALY rate per 10000 | Age-standardized DALY rate |
| | No.(95%UI) | No.(95%UI) | No.(95%UI) | No.(95%UI) | No.(95%UI) |
| Global | 855232.12(298050.76,1904099.38) | 21.24(7.42,47.45) | 2668329.84(1039759.44,5746329.50) | 31.90(12.40,68.75) | 1.45(1.44,1.47) |
| Sex | - | - | - | - | - |
| female | 575866.58(201485.22,1309899.06) | 27.00(9.46,61.40) | 1715478.01(647529.66,3755348.50) | 39.32(14.84,86.04) | 1.35(1.33,1.37) |
| male | 279365.54(86646.17,644516.62) | 14.55(4.53,33.59) | 952851.82(333582.22,2088145.45) | 23.74(8.35,52.23) | 1.74(1.72,1.77) |
| Sociodemographic index | - | - | - | - | - |
| Low SDI | 21647.37(5540.11,54752.98) | 8.43(2.15,21.27) | 93844.04(31644.97,213835.21) | 16.50(5.48,37.72) | 2.48(2.37,2.59) |
| Low-middle SDI | 58112.89(15331.92,144788.03) | 9.05(2.39,22.67) | 317240.17(113369.76,698830.86) | 21.93(7.82,48.44) | 3.29(3.23,3.36) |
| Middle SDI | 164198.40(50385.92,379358.72) | 14.88(4.56,34.27) | 793156.09(297676.76,1716089.47) | 29.71(11.10,63.64) | 2.57(2.50,2.64) |
| High-middle SDI | 268344.21(98844.71,592539.27) | 24.68(9.05,54.37) | 718373.12(284258.43,1551416.52) | 35.03(13.84,75.69) | 1.26(1.22,1.29) |
| High SDI | 342409.19(129267.65,755159.72) | 33.81(12.77,74.78) | 744139.23(296478.79,1631379.34) | 43.67(17.41,96.19) | 0.82(0.76,0.87) |
| Region | - | - | - | - | - |
| Andean Latin America | 6554.98(2377.19,14753.36) | 30.43(11.07,67.69) | 28516.78(11304.69,63875.15) | 49.77(19.73,111.73) | 1.73(1.69,1.77) |
| Australasia | 8958.03(3530.65,20163.65) | 39.02(15.33,87.85) | 26025.04(10686.60,56944.52) | 57.49(23.62,125.38) | 1.34(1.23,1.44) |
| Caribbean | 7902.78(2928.12,17491.54) | 30.07(11.12,66.75) | 22880.95(9237.93,50578.50) | 43.88(17.68,97.08) | 1.51(1.43,1.60) |
| Central Asia | 10969.31(4223.79,24385.95) | 23.02(8.86,50.97) | 24429.04(9903.36,53715.71) | 30.70(12.47,67.10) | 1.02(0.92,1.13) |
| Central Europe | 46076.01(18297.05,101403.75) | 30.91(12.30,67.97) | 81037.08(33447.84,176302.16) | 40.20(16.57,88.85) | 0.92(0.90,0.94) |
| Central Latin America | 28506.46(10642.02,63753.41) | 32.35(12.01,72.30) | 111097.58(43667.80,247438.87) | 45.77(18.04,102.40) | 1.19(1.13,1.26) |

| | | | | | |
|------------------------------|-------------------------------|---------------------|---------------------------------|---------------------|-----------------|
| Central sub-Saharan Africa | 3213.53(999.22,7551.44) | 12.78(3.92,29.85) | 10135.29(3403.09,22917.87) | 16.81(5.58,37.92) | 0.55(0.15,0.95) |
| East Asia | 104387.32(18116.36,293104.70) | 11.09(1.91,30.99) | 574409.70(169912.83,1383940.49) | 25.88(7.64,62.38) | 3.32(3.18,3.47) |
| Eastern Europe | 89096.53(34667.52,197443.11) | 31.54(12.36,70.23) | 143473.08(59456.63,316062.87) | 42.21(17.62,93.34) | 1.13(1.05,1.20) |
| Eastern sub-Saharan Africa | 6940.87(1730.19,17753.04) | 8.52(2.10,22.21) | 33225.96(11459.83,75692.18) | 18.34(6.30,41.51) | 2.96(2.76,3.16) |
| High-income Asia Pacific | 43101.76(10593.60,112476.54) | 20.83(5.11,54.66) | 96831.51(26527.21,237982.00) | 25.48(7.05,62.65) | 0.65(0.62,0.69) |
| High-income North America | 148471.21(58453.11,331181.05) | 44.95(17.76,100.28) | 327744.22(136676.27,710714.95) | 56.20(23.32,121.97) | 0.60(0.46,0.74) |
| North Africa and middle East | 50793.27(19620.67,113701.37) | 27.75(10.70,61.67) | 205645.17(84526.19,451208.99) | 43.73(18.03,96.01) | 1.54(1.52,1.56) |
| Oceania | 743.53(242.49,1738.88) | 21.48(6.83,50.05) | 2235.22(782.06,5088.99) | 26.56(9.04,61.36) | 0.49(0.26,0.73) |
| South Asia | 41360.82(9965.23,104999.36) | 6.53(1.56,16.85) | 286064.20(98569.27,632372.88) | 19.10(6.56,42.30) | 3.94(3.80,4.09) |
| Southeast Asia | 19343.05(4722.10,49861.41) | 6.78(1.62,17.67) | 127637.50(44634.17,282633.78) | 18.78(6.48,41.68) | 3.79(3.71,3.86) |
| Southern Latin America | 13652.57(4759.11,31341.33) | 29.28(10.23,67.34) | 38445.11(15193.62,85905.78) | 47.26(18.61,105.81) | 1.59(1.39,1.78) |
| Southern sub-Saharan Africa | 9309.45(3833.43,20608.80) | 32.67(13.19,72.50) | 26782.62(11493.85,57721.83) | 45.20(19.51,97.76) | 1.22(1.19,1.25) |
| Tropical Latin America | 26371.70(9214.41,60296.84) | 27.41(9.59,62.54) | 115593.02(46562.96,254135.24) | 46.48(18.76,102.25) | 1.92(1.82,2.03) |
| Western Europe | 176194.92(65689.02,388889.06) | 31.84(11.90,70.48) | 327900.65(129981.89,733502.27) | 40.75(16.25,89.74) | 0.82(0.73,0.91) |
| Western sub-Saharan Africa | 13284.02(3998.04,31279.33) | 14.01(4.21,33.39) | 58220.10(21730.24,129270.67) | 27.58(10.29,61.39) | 2.33(2.22,2.44) |

SDI: high-sociodemographic; DALYs: Disability-adjusted life years

Supplemental Material

Supplementary Table 1. Age distribution of death rate for cancer attributed to occupational risks in 2019.

| 2019 death rate both | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years | 55-59 years | 60-64 years | 65-69 years | 70-74 years | 75-79 years | 80+ years | 80-84 | 85-89 | 90-94 | 85+ years | 95+ years |
|----------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|---------|---------|---------|-----------|-----------|
| global | 0.010 | 0.021 | 0.098 | 0.127 | 0.269 | 0.664 | 1.580 | 3.613 | 6.637 | 11.780 | 18.174 | 29.539 | 41.826 | 58.500 | 53.227 | 66.661 | 62.234 | 65.337 | 64.234 |
| High-middle SDI | 0.011 | 0.026 | 0.120 | 0.162 | 0.348 | 0.841 | 1.963 | 4.531 | 8.514 | 15.062 | 20.965 | 30.353 | 38.295 | 43.931 | 41.830 | 49.689 | 40.073 | 46.701 | 40.591 |
| High SDI | 0.005 | 0.011 | 0.052 | 0.063 | 0.157 | 0.416 | 1.218 | 3.291 | 8.186 | 18.335 | 34.879 | 64.157 | 90.209 | 116.275 | 114.702 | 126.705 | 107.270 | 117.827 | 95.172 |
| Low-middle SDI | 0.008 | 0.019 | 0.088 | 0.112 | 0.248 | 0.619 | 1.314 | 2.887 | 4.616 | 6.451 | 7.958 | 9.854 | 13.182 | 15.868 | 15.669 | 16.985 | 13.428 | 16.202 | 17.648 |
| Low SDI | 0.007 | 0.015 | 0.067 | 0.084 | 0.178 | 0.471 | 0.883 | 1.956 | 2.904 | 4.693 | 5.562 | 7.610 | 8.501 | 9.390 | 9.680 | 9.203 | 7.769 | 8.897 | 9.675 |
| Middle SDI | 0.013 | 0.028 | 0.123 | 0.155 | 0.313 | 0.743 | 1.816 | 3.875 | 6.237 | 9.361 | 12.364 | 15.130 | 20.693 | 25.203 | 23.348 | 30.119 | 22.812 | 28.126 | 23.538 |
| Andean Latin America | 0.029 | 0.052 | 0.200 | 0.184 | 0.296 | 0.542 | 0.994 | 1.999 | 3.251 | 5.588 | 7.703 | 11.529 | 15.586 | 21.468 | 19.106 | 24.095 | 25.261 | 24.126 | 20.708 |
| Australasia | 0.005 | 0.009 | 0.042 | 0.046 | 0.130 | 0.470 | 1.293 | 3.429 | 8.882 | 22.034 | 47.074 | 88.058 | 121.180 | 151.138 | 152.149 | 164.475 | 137.936 | 150.135 | 93.839 |
| Caribbean | 0.012 | 0.038 | 0.122 | 0.141 | 0.293 | 0.640 | 1.634 | 3.737 | 6.681 | 9.530 | 10.431 | 14.578 | 16.604 | 18.468 | 17.823 | 20.377 | 16.355 | 19.179 | 19.555 |
| Central Asia | 0.016 | 0.061 | 0.169 | 0.176 | 0.404 | 0.824 | 1.818 | 3.655 | 7.132 | 12.061 | 14.647 | 15.063 | 15.517 | 14.919 | 15.607 | 14.628 | 12.165 | 13.609 | 7.083 |
| Central Europe | 0.005 | 0.010 | 0.053 | 0.066 | 0.227 | 0.713 | 2.298 | 5.680 | 12.896 | 25.320 | 34.216 | 37.151 | 38.180 | 28.064 | 32.130 | 25.355 | 19.345 | 22.961 | 9.595 |
| Central Latin America | 0.025 | 0.046 | 0.166 | 0.153 | 0.240 | 0.480 | 0.995 | 2.122 | 3.719 | 6.557 | 8.842 | 12.326 | 14.813 | 12.804 | 13.707 | 12.231 | 11.433 | 11.748 | 9.407 |
| Central sub-Saharan Africa | 0.009 | 0.017 | 0.068 | 0.085 | 0.192 | 0.523 | 1.177 | 2.644 | 4.305 | 6.231 | 7.349 | 8.328 | 10.568 | 11.708 | 11.861 | 11.818 | 10.101 | 11.442 | 11.823 |
| East Asia | 0.013 | 0.030 | 0.143 | 0.222 | 0.415 | 1.021 | 2.310 | 4.838 | 7.460 | 12.231 | 16.235 | 20.686 | 26.597 | 34.072 | 29.824 | 44.295 | 32.131 | 41.220 | 30.166 |
| Eastern Europe | 0.006 | 0.024 | 0.115 | 0.099 | 0.439 | 0.754 | 1.733 | 3.788 | 8.076 | 12.048 | 14.027 | 17.112 | 17.098 | 12.748 | 14.325 | 10.560 | 10.015 | 10.371 | 9.929 |
| Eastern Sub-Saharan Africa | 0.009 | 0.019 | 0.074 | 0.086 | 0.175 | 0.441 | 0.762 | 1.597 | 2.626 | 4.197 | 5.694 | 7.756 | 10.956 | 10.470 | 11.158 | 10.008 | 7.477 | 9.298 | 7.573 |
| High-income Asia Pacific | 0.004 | 0.009 | 0.040 | 0.044 | 0.120 | 0.263 | 0.728 | 1.674 | 3.667 | 9.060 | 19.133 | 34.424 | 54.763 | 93.655 | 78.795 | 106.817 | 104.083 | 107.417 | 119.932 |
| High-income North America | 0.005 | 0.010 | 0.045 | 0.049 | 0.110 | 0.317 | 0.993 | 2.722 | 6.939 | 15.517 | 31.557 | 66.646 | 104.222 | 131.395 | 138.394 | 142.895 | 110.226 | 124.937 | 74.283 |

| | | | | | | | | | | | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| North Africa and Middle East | 0.010 | 0.021 | 0.087 | 0.098 | 0.217 | 0.578 | 1.388 | 3.362 | 6.223 | 11.492 | 14.218 | 22.950 | 20.580 | 22.571 | 20.139 | 25.906 | 25.806 | 26.007 | 28.047 |
| Oceania | 0.012 | 0.020 | 0.134 | 0.133 | 0.228 | 1.204 | 1.303 | 2.800 | 4.017 | 12.520 | 18.122 | 16.678 | 11.541 | 18.351 | 11.152 | 31.706 | 3.310 | 30.407 | 123.530 |
| South Asia | 0.005 | 0.013 | 0.066 | 0.087 | 0.206 | 0.512 | 1.072 | 2.227 | 3.574 | 5.063 | 6.428 | 8.209 | 10.259 | 12.345 | 12.835 | 11.997 | 9.963 | 11.489 | 10.648 |
| Southeast Asia | 0.017 | 0.035 | 0.159 | 0.174 | 0.397 | 0.928 | 2.051 | 4.299 | 7.615 | 9.833 | 10.376 | 9.789 | 17.167 | 19.886 | 18.714 | 22.763 | 17.473 | 21.584 | 24.425 |
| Southern Latin America | 0.018 | 0.033 | 0.132 | 0.142 | 0.347 | 0.774 | 1.879 | 4.737 | 9.732 | 16.874 | 24.741 | 30.954 | 38.639 | 41.581 | 44.553 | 40.170 | 35.056 | 38.232 | 33.204 |
| Southern sub-Saharan Africa | 0.006 | 0.013 | 0.066 | 0.077 | 0.181 | 0.521 | 1.340 | 3.895 | 8.929 | 14.285 | 24.273 | 34.565 | 42.821 | 58.439 | 60.047 | 61.027 | 45.623 | 56.041 | 30.481 |
| Tropical Latin America | 0.014 | 0.035 | 0.135 | 0.138 | 0.321 | 0.723 | 1.623 | 3.971 | 7.716 | 7.951 | 9.549 | 12.620 | 25.849 | 37.985 | 33.063 | 42.630 | 42.880 | 43.777 | 53.701 |
| Western Europe | 0.004 | 0.010 | 0.043 | 0.052 | 0.157 | 0.485 | 1.649 | 4.650 | 11.826 | 27.084 | 50.061 | 83.638 | 108.048 | 122.242 | 125.577 | 128.560 | 104.286 | 118.780 | 93.664 |
| Western sub-Saharan Africa | 0.006 | 0.012 | 0.051 | 0.075 | 0.138 | 0.327 | 0.451 | 1.150 | 1.522 | 3.130 | 2.563 | 6.507 | 3.647 | 4.677 | 5.646 | 2.823 | 3.405 | 3.142 | 5.829 |
| Afghanistan | 0.013 | 0.027 | 0.123 | 0.160 | 0.284 | 0.646 | 1.642 | 3.188 | 2.648 | 4.953 | 5.777 | 5.800 | 5.221 | 5.469 | 4.540 | 6.933 | 7.834 | 7.252 | 10.334 |
| Albania | 0.005 | 0.014 | 0.097 | 0.118 | 0.191 | 0.438 | 1.121 | 1.919 | 3.811 | 7.572 | 10.393 | 13.854 | 14.655 | 12.377 | 13.313 | 12.177 | 8.690 | 10.932 | 6.293 |
| Algeria | 0.006 | 0.011 | 0.046 | 0.055 | 0.124 | 0.282 | 0.607 | 1.209 | 1.746 | 3.187 | 3.069 | 2.964 | 2.429 | 3.790 | 2.148 | 6.423 | 11.343 | 7.152 | 14.252 |
| American Samoa | 0.009 | 0.020 | 0.148 | 0.167 | 0.297 | 1.267 | 1.723 | 3.658 | 5.319 | 15.770 | 24.085 | 24.752 | 20.708 | 37.854 | 21.734 | 64.169 | 20.114 | 61.309 | 196.145 |
| Andorra | 0.005 | 0.014 | 0.070 | 0.082 | 0.298 | 0.879 | 2.692 | 7.707 | 21.127 | 44.163 | 74.804 | 123.426 | 156.216 | 172.675 | 179.326 | 179.987 | 154.766 | 167.668 | 140.341 |
| Angola | 0.012 | 0.022 | 0.088 | 0.108 | 0.222 | 0.615 | 1.318 | 3.002 | 4.761 | 7.149 | 8.334 | 9.476 | 12.257 | 13.809 | 14.159 | 13.632 | 11.440 | 13.141 | 13.534 |
| Antigua and Barbuda | 0.014 | 0.029 | 0.106 | 0.080 | 0.161 | 0.274 | 0.697 | 1.584 | 2.878 | 4.756 | 4.181 | 6.007 | 6.587 | 9.174 | 9.408 | 9.366 | 7.858 | 8.872 | 7.948 |
| Argentina | 0.019 | 0.035 | 0.144 | 0.160 | 0.384 | 0.883 | 2.173 | 5.804 | 12.091 | 20.243 | 29.198 | 35.771 | 42.969 | 45.514 | 49.918 | 43.490 | 35.344 | 40.464 | 33.636 |
| Armenia | 0.014 | 0.165 | 0.140 | 0.184 | 1.204 | 1.801 | 3.509 | 7.758 | 14.974 | 26.670 | 25.560 | 38.585 | 41.458 | 59.941 | 59.089 | 62.503 | 59.102 | 61.355 | 55.146 |
| Australia | 0.004 | 0.009 | 0.040 | 0.043 | 0.131 | 0.482 | 1.295 | 3.413 | 9.013 | 21.998 | 48.088 | 90.966 | 124.831 | 157.149 | 156.641 | 171.390 | 145.224 | 157.654 | 105.619 |
| Austria | 0.004 | 0.008 | 0.036 | 0.047 | 0.124 | 0.396 | 1.234 | 3.601 | 8.441 | 18.947 | 32.613 | 53.435 | 56.058 | 60.876 | 66.592 | 62.674 | 47.276 | 55.132 | 31.956 |
| Azerbaijan | 0.025 | 0.044 | 0.186 | 0.212 | 0.414 | 0.986 | 2.333 | 4.213 | 6.838 | 10.666 | 10.121 | 8.137 | 7.955 | 6.512 | 7.185 | 4.249 | 5.126 | 4.353 | 3.981 |
| Bahamas | 0.015 | 0.037 | 0.165 | 0.191 | 0.454 | 0.883 | 1.867 | 3.714 | 6.198 | 7.675 | 7.985 | 11.334 | 14.832 | 18.576 | 16.802 | 22.613 | 19.323 | 20.911 | 14.822 |
| Bahrain | 0.016 | 0.036 | 0.107 | 0.063 | 0.216 | 0.315 | 0.641 | 1.479 | 3.266 | 9.604 | 15.759 | 33.841 | 67.364 | 109.165 | 87.231 | 164.486 | 150.468 | 162.542 | 148.728 |
| Bangladesh | 0.006 | 0.011 | 0.055 | 0.062 | 0.122 | 0.315 | 0.674 | 1.659 | 2.411 | 3.708 | 4.626 | 4.629 | 5.280 | 7.085 | 6.699 | 7.953 | 6.830 | 7.718 | 7.955 |

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|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Barbados | 0.021 | 0.041 | 0.134 | 0.120 | 0.258 | 0.410 | 1.042 | 1.733 | 3.477 | 4.526 | 5.149 | 8.521 | 10.445 | 15.603 | 13.058 | 18.385 | 18.883 | 18.563 | 19.087 |
| Belarus | 0.006 | 0.076 | 0.272 | 0.107 | 0.871 | 0.787 | 1.633 | 3.376 | 7.292 | 9.782 | 11.146 | 13.737 | 12.494 | 10.110 | 11.781 | 7.947 | 7.695 | 7.944 | 9.103 |
| Belgium | 0.004 | 0.008 | 0.037 | 0.047 | 0.173 | 0.488 | 1.726 | 5.407 | 14.473 | 36.095 | 70.165 | 115.868 | 151.715 | 160.678 | 165.683 | 171.930 | 133.380 | 155.943 | 109.676 |
| Belize | 0.015 | 0.043 | 0.201 | 0.261 | 0.484 | 0.982 | 2.280 | 4.761 | 9.371 | 11.108 | 11.034 | 17.135 | 22.529 | 30.520 | 32.046 | 31.974 | 23.549 | 28.794 | 23.237 |
| Benin | 0.010 | 0.018 | 0.076 | 0.113 | 0.185 | 0.417 | 0.658 | 1.790 | 2.254 | 4.432 | 3.821 | 8.117 | 4.882 | 5.363 | 6.599 | 3.013 | 3.488 | 3.284 | 5.831 |
| Bermuda | 0.014 | 0.168 | 0.193 | 0.104 | 0.355 | 0.840 | 2.505 | 5.416 | 10.650 | 13.487 | 18.312 | 30.145 | 58.174 | 90.528 | 81.218 | 102.963 | 97.966 | 101.022 | 96.855 |
| Bhutan | 0.007 | 0.013 | 0.057 | 0.062 | 0.127 | 0.315 | 0.611 | 1.353 | 2.205 | 3.595 | 5.228 | 8.173 | 12.468 | 16.232 | 16.387 | 17.918 | 11.609 | 15.988 | 10.788 |
| Bolivia (Plurinational State of) | 0.026 | 0.044 | 0.174 | 0.171 | 0.301 | 0.634 | 1.296 | 3.014 | 5.492 | 9.509 | 14.768 | 23.162 | 34.043 | 46.955 | 45.537 | 51.656 | 44.406 | 49.152 | 35.574 |
| Bosnia and Herzegovina | 0.004 | 0.008 | 0.047 | 0.054 | 0.208 | 0.460 | 1.598 | 3.319 | 9.039 | 15.835 | 24.570 | 27.340 | 23.650 | 15.023 | 10.262 | 29.713 | 5.462 | 23.623 | 2.138 |
| Botswana | 0.011 | 0.019 | 0.090 | 0.097 | 0.271 | 0.829 | 2.102 | 5.447 | 11.065 | 18.397 | 33.904 | 54.733 | 66.049 | 65.647 | 71.148 | 62.382 | 37.587 | 55.582 | 24.430 |
| Brazil | 0.013 | 0.035 | 0.135 | 0.138 | 0.323 | 0.726 | 1.632 | 3.987 | 7.749 | 7.930 | 9.548 | 12.650 | 26.019 | 38.367 | 33.309 | 43.058 | 43.496 | 44.331 | 55.008 |
| Brunei Darussalam | 0.016 | 0.031 | 0.129 | 0.136 | 0.285 | 0.643 | 1.224 | 2.562 | 5.384 | 10.760 | 23.051 | 46.149 | 76.817 | 134.813 | 137.959 | 128.597 | 118.861 | 127.271 | 136.366 |
| Bulgaria | 0.007 | 0.016 | 0.086 | 0.114 | 0.365 | 0.975 | 2.953 | 5.905 | 10.398 | 14.697 | 13.728 | 12.568 | 7.414 | 3.447 | 4.280 | 2.514 | 1.624 | 2.299 | 1.306 |
| Burkina Faso | 0.006 | 0.010 | 0.046 | 0.076 | 0.135 | 0.360 | 0.467 | 1.298 | 1.683 | 3.243 | 2.595 | 5.970 | 3.316 | 3.893 | 4.859 | 2.037 | 2.528 | 2.294 | 4.596 |
| Burundi | 0.008 | 0.017 | 0.066 | 0.075 | 0.170 | 0.472 | 0.830 | 1.674 | 2.847 | 4.484 | 5.461 | 7.031 | 9.071 | 8.609 | 9.319 | 7.890 | 5.810 | 7.356 | 6.085 |
| Cabo Verde | 0.010 | 0.017 | 0.063 | 0.108 | 0.146 | 0.252 | 0.563 | 1.419 | 1.851 | 3.725 | 2.777 | 7.464 | 4.559 | 5.355 | 6.449 | 4.116 | 3.782 | 4.025 | 4.049 |
| Cambodia | 0.021 | 0.044 | 0.178 | 0.202 | 0.390 | 1.062 | 2.279 | 5.407 | 10.585 | 13.258 | 15.520 | 15.416 | 29.074 | 30.319 | 28.912 | 36.817 | 20.573 | 32.637 | 22.140 |
| Cameroon | 0.010 | 0.020 | 0.086 | 0.137 | 0.225 | 0.536 | 0.800 | 2.208 | 2.840 | 6.487 | 4.641 | 14.002 | 7.538 | 9.124 | 11.297 | 5.047 | 5.464 | 5.282 | 8.416 |
| Canada | 0.004 | 0.009 | 0.040 | 0.047 | 0.115 | 0.319 | 0.975 | 2.887 | 8.015 | 19.120 | 41.978 | 80.077 | 128.943 | 149.355 | 156.305 | 153.280 | 132.293 | 142.755 | 108.276 |
| Central African Republic | 0.010 | 0.017 | 0.060 | 0.073 | 0.195 | 0.587 | 1.590 | 3.467 | 5.712 | 7.680 | 8.496 | 9.129 | 10.366 | 9.316 | 9.940 | 8.410 | 6.398 | 7.928 | 6.111 |
| Chad | 0.007 | 0.012 | 0.052 | 0.084 | 0.143 | 0.346 | 0.538 | 1.500 | 1.922 | 3.920 | 3.454 | 7.659 | 3.871 | 3.809 | 4.863 | 1.969 | 2.211 | 2.103 | 3.745 |
| Chile | 0.017 | 0.029 | 0.103 | 0.095 | 0.221 | 0.417 | 1.042 | 2.214 | 4.356 | 8.851 | 13.865 | 18.949 | 27.321 | 31.164 | 31.976 | 31.370 | 28.477 | 30.259 | 26.443 |
| China | 0.013 | 0.029 | 0.142 | 0.223 | 0.412 | 1.016 | 2.298 | 4.830 | 7.421 | 12.209 | 16.285 | 20.728 | 26.880 | 34.609 | 30.158 | 45.198 | 33.369 | 42.191 | 29.254 |
| Colombia | 0.025 | 0.047 | 0.174 | 0.157 | 0.249 | 0.448 | 0.878 | 1.742 | 3.239 | 6.162 | 7.758 | 11.227 | 13.046 | 9.647 | 11.084 | 7.953 | 9.031 | 8.214 | 7.525 |

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|---------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Comoros | 0.006 | 0.017 | 0.066 | 0.076 | 0.176 | 0.443 | 0.812 | 1.647 | 2.654 | 4.286 | 5.658 | 7.735 | 10.522 | 10.992 | 11.565 | 10.762 | 8.361 | 10.069 | 8.705 |
| Congo | 0.008 | 0.016 | 0.070 | 0.081 | 0.214 | 0.545 | 1.262 | 2.841 | 4.665 | 6.949 | 8.888 | 11.671 | 16.677 | 19.722 | 19.080 | 21.607 | 18.554 | 20.968 | 20.518 |
| Cook Islands | 0.007 | 0.018 | 0.154 | 0.184 | 0.331 | 1.351 | 2.172 | 3.549 | 7.440 | 12.334 | 20.593 | 16.092 | 15.899 | 29.478 | 12.713 | 43.984 | 6.125 | 49.985 | 286.718 |
| Costa Rica | 0.023 | 0.041 | 0.149 | 0.139 | 0.173 | 0.330 | 0.634 | 1.104 | 2.135 | 3.619 | 4.464 | 5.739 | 6.649 | 13.031 | 11.984 | 14.158 | 10.142 | 14.069 | 22.231 |
| Croatia | 0.003 | 0.006 | 0.034 | 0.041 | 0.175 | 0.697 | 2.407 | 5.708 | 16.899 | 43.856 | 67.656 | 77.444 | 97.848 | 70.672 | 87.324 | 52.757 | 37.635 | 48.157 | 17.912 |
| Cuba | 0.014 | 0.028 | 0.107 | 0.122 | 0.273 | 0.590 | 2.039 | 4.867 | 9.517 | 15.509 | 16.362 | 20.412 | 20.472 | 20.668 | 20.024 | 22.251 | 18.189 | 21.340 | 24.430 |
| Cyprus | 0.005 | 0.007 | 0.034 | 0.038 | 0.076 | 0.343 | 0.656 | 2.327 | 6.617 | 15.498 | 30.058 | 53.295 | 92.125 | 111.617 | 117.383 | 108.188 | 76.765 | 101.428 | 49.722 |
| Czechia | 0.004 | 0.009 | 0.041 | 0.047 | 0.163 | 0.448 | 1.329 | 3.040 | 7.766 | 17.178 | 24.541 | 33.806 | 32.814 | 28.945 | 30.129 | 30.378 | 25.505 | 27.670 | 11.763 |
| Côte d'Ivoire | 0.009 | 0.016 | 0.067 | 0.102 | 0.176 | 0.412 | 0.646 | 1.862 | 2.202 | 5.172 | 3.746 | 10.790 | 5.867 | 6.930 | 8.658 | 3.865 | 4.234 | 4.078 | 6.626 |
| Democratic People's Republic of Korea | 0.021 | 0.041 | 0.182 | 0.224 | 0.485 | 1.141 | 3.050 | 6.290 | 10.008 | 15.258 | 14.549 | 16.243 | 16.558 | 11.634 | 12.112 | 10.712 | 9.993 | 10.721 | 14.471 |
| Democratic Republic of the Congo | 0.008 | 0.015 | 0.063 | 0.079 | 0.181 | 0.488 | 1.100 | 2.468 | 4.031 | 5.778 | 6.723 | 7.514 | 9.176 | 10.176 | 10.321 | 10.224 | 8.848 | 9.933 | 10.492 |
| Denmark | 0.005 | 0.011 | 0.043 | 0.057 | 0.137 | 0.498 | 1.508 | 4.413 | 12.745 | 30.904 | 56.506 | 102.371 | 140.922 | 147.900 | 167.515 | 146.627 | 100.852 | 126.362 | 80.319 |
| Djibouti | 0.005 | 0.011 | 0.044 | 0.049 | 0.137 | 0.362 | 0.748 | 1.564 | 2.820 | 4.718 | 6.493 | 10.325 | 14.420 | 14.794 | 15.605 | 14.293 | 10.122 | 13.199 | 9.977 |
| Dominica | 0.022 | 0.042 | 0.185 | 0.185 | 0.413 | 0.739 | 1.857 | 4.296 | 8.345 | 9.719 | 12.728 | 22.577 | 32.910 | 43.091 | 41.883 | 47.269 | 42.611 | 44.707 | 26.493 |
| Dominican Republic | 0.013 | 0.032 | 0.142 | 0.185 | 0.326 | 0.769 | 1.521 | 3.182 | 4.417 | 7.416 | 7.240 | 9.623 | 10.723 | 12.469 | 11.787 | 14.628 | 11.200 | 13.328 | 8.261 |
| Ecuador | 0.034 | 0.063 | 0.225 | 0.199 | 0.295 | 0.460 | 0.866 | 1.499 | 2.554 | 4.343 | 5.612 | 7.994 | 11.081 | 23.581 | 16.208 | 26.444 | 50.075 | 33.773 | 68.248 |
| Egypt | 0.008 | 0.017 | 0.085 | 0.101 | 0.190 | 0.390 | 0.854 | 1.794 | 2.558 | 3.861 | 3.169 | 3.428 | 2.465 | 2.748 | 2.307 | 3.267 | 4.200 | 3.549 | 5.258 |
| El Salvador | 0.023 | 0.044 | 0.178 | 0.176 | 0.244 | 0.426 | 0.864 | 1.669 | 2.287 | 3.743 | 4.389 | 5.431 | 4.473 | 2.997 | 3.026 | 3.026 | 3.406 | 2.969 | 1.891 |
| Equatorial Guinea | 0.008 | 0.015 | 0.068 | 0.088 | 0.178 | 0.487 | 1.004 | 2.241 | 3.641 | 5.512 | 8.120 | 9.975 | 16.050 | 21.352 | 20.750 | 23.287 | 19.870 | 22.437 | 21.579 |
| Eritrea | 0.007 | 0.017 | 0.066 | 0.083 | 0.210 | 0.644 | 1.248 | 2.502 | 3.941 | 5.938 | 7.684 | 9.154 | 11.716 | 10.505 | 10.981 | 9.902 | 7.753 | 9.434 | 7.335 |
| Estonia | 0.008 | 0.017 | 0.065 | 0.070 | 0.210 | 0.391 | 1.222 | 2.668 | 6.551 | 11.222 | 10.584 | 21.332 | 23.435 | 27.005 | 30.893 | 19.907 | 28.227 | 22.431 | 25.288 |
| Eswatini | 0.009 | 0.015 | 0.063 | 0.066 | 0.234 | 0.910 | 2.762 | 7.577 | 15.304 | 22.802 | 36.927 | 44.672 | 51.211 | 53.797 | 56.656 | 51.604 | 34.602 | 47.153 | 19.058 |
| Ethiopia | 0.014 | 0.027 | 0.104 | 0.108 | 0.186 | 0.382 | 0.607 | 1.245 | 2.010 | 3.415 | 4.924 | 7.139 | 10.278 | 9.407 | 10.175 | 8.846 | 6.115 | 8.085 | 5.911 |
| Fiji | 0.023 | 0.037 | 0.200 | 0.135 | 0.204 | 0.749 | 0.806 | 1.623 | 2.444 | 7.865 | 10.642 | 10.939 | 8.662 | 14.608 | 9.427 | 30.070 | 2.981 | 25.079 | 19.589 |

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|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Finland | 0.005 | 0.010 | 0.039 | 0.039 | 0.105 | 0.245 | 0.709 | 2.051 | 5.578 | 17.052 | 38.394 | 63.449 | 84.238 | 94.316 | 101.907 | 98.433 | 72.569 | 86.724 | 57.428 |
| France | 0.004 | 0.009 | 0.045 | 0.056 | 0.215 | 0.747 | 3.265 | 9.604 | 24.491 | 43.665 | 62.000 | 89.412 | 106.055 | 119.274 | 121.465 | 124.835 | 109.119 | 117.447 | 96.772 |
| Gabon | 0.006 | 0.012 | 0.048 | 0.058 | 0.163 | 0.417 | 1.093 | 2.452 | 4.957 | 7.447 | 10.821 | 14.350 | 19.820 | 23.385 | 22.719 | 25.202 | 21.939 | 24.450 | 24.596 |
| Gambia | 0.006 | 0.011 | 0.040 | 0.052 | 0.110 | 0.314 | 0.388 | 1.096 | 1.575 | 3.281 | 2.512 | 6.319 | 3.331 | 4.246 | 4.923 | 2.707 | 3.282 | 2.919 | 5.068 |
| Georgia | 0.017 | 0.034 | 0.212 | 0.220 | 0.582 | 1.609 | 5.137 | 9.813 | 20.429 | 23.222 | 30.500 | 33.378 | 28.506 | 15.924 | 20.596 | 13.875 | 6.586 | 10.674 | 4.580 |
| Germany | 0.005 | 0.010 | 0.042 | 0.055 | 0.141 | 0.470 | 1.615 | 4.206 | 10.096 | 22.642 | 43.540 | 77.056 | 98.451 | 110.214 | 112.888 | 120.240 | 86.437 | 106.575 | 59.003 |
| Ghana | 0.009 | 0.018 | 0.081 | 0.124 | 0.226 | 0.516 | 0.628 | 1.677 | 2.082 | 4.324 | 3.084 | 7.744 | 3.712 | 6.070 | 6.509 | 4.427 | 6.670 | 5.303 | 12.551 |
| Greece | 0.004 | 0.008 | 0.071 | 0.041 | 0.189 | 0.495 | 1.077 | 3.036 | 8.412 | 18.863 | 33.753 | 44.120 | 47.748 | 62.789 | 61.117 | 65.308 | 54.975 | 64.538 | 97.073 |
| Greenland | 0.002 | 0.004 | 0.034 | 0.081 | 0.394 | 1.186 | 3.763 | 9.450 | 23.727 | 53.038 | 97.003 | 184.636 | 278.239 | 243.525 | 268.079 | 227.997 | 177.288 | 210.161 | 76.846 |
| Grenada | 0.016 | 0.040 | 0.105 | 0.151 | 0.365 | 0.662 | 1.695 | 3.309 | 6.112 | 8.451 | 9.776 | 14.136 | 14.403 | 14.566 | 14.753 | 13.424 | 14.538 | 14.298 | 19.247 |
| Guam | 0.014 | 0.021 | 0.183 | 0.237 | 0.420 | 1.458 | 1.744 | 3.766 | 5.664 | 14.505 | 20.004 | 17.712 | 10.398 | 27.965 | 11.806 | 40.162 | 1.952 | 44.086 | 165.321 |
| Guatemala | 0.028 | 0.050 | 0.204 | 0.197 | 0.233 | 0.411 | 0.627 | 1.164 | 1.803 | 3.033 | 3.944 | 4.761 | 4.276 | 6.010 | 4.597 | 9.767 | 6.471 | 9.035 | 4.586 |
| Guinea | 0.005 | 0.009 | 0.039 | 0.067 | 0.140 | 0.434 | 0.647 | 1.634 | 2.054 | 3.980 | 2.772 | 7.637 | 3.756 | 4.128 | 5.366 | 2.288 | 2.670 | 2.513 | 4.446 |
| Guinea-Bissau | 0.009 | 0.017 | 0.072 | 0.121 | 0.226 | 0.605 | 0.885 | 2.393 | 3.095 | 6.748 | 4.506 | 13.045 | 5.739 | 6.189 | 7.531 | 3.586 | 3.633 | 3.665 | 5.076 |
| Guyana | 0.012 | 0.088 | 0.157 | 0.188 | 0.455 | 0.863 | 1.678 | 3.377 | 5.110 | 5.484 | 5.812 | 9.304 | 9.749 | 11.378 | 11.097 | 11.141 | 12.772 | 11.787 | 14.361 |
| Haiti | 0.013 | 0.055 | 0.118 | 0.123 | 0.301 | 0.670 | 1.397 | 3.181 | 5.518 | 6.638 | 8.358 | 13.617 | 19.161 | 22.763 | 22.328 | 25.045 | 19.704 | 23.519 | 17.329 |
| Honduras | 0.013 | 0.025 | 0.122 | 0.166 | 0.298 | 0.884 | 2.110 | 4.859 | 8.508 | 13.944 | 18.134 | 23.943 | 26.448 | 28.404 | 28.651 | 28.040 | 28.586 | 27.976 | 24.251 |
| Hungary | 0.005 | 0.011 | 0.060 | 0.080 | 0.272 | 0.828 | 2.769 | 7.224 | 15.812 | 27.105 | 30.334 | 32.326 | 35.363 | 16.808 | 21.120 | 13.323 | 9.206 | 11.864 | 8.061 |
| Iceland | 0.005 | 0.012 | 0.054 | 0.069 | 0.199 | 0.645 | 1.605 | 4.087 | 9.308 | 18.702 | 34.875 | 60.293 | 83.418 | 89.399 | 97.139 | 92.178 | 69.874 | 82.961 | 68.310 |
| India | 0.005 | 0.012 | 0.062 | 0.082 | 0.196 | 0.460 | 0.994 | 2.019 | 3.385 | 4.640 | 6.199 | 8.231 | 10.663 | 12.895 | 13.491 | 12.379 | 10.283 | 11.844 | 10.757 |
| Indonesia | 0.019 | 0.034 | 0.142 | 0.142 | 0.338 | 0.782 | 1.705 | 3.746 | 6.872 | 9.904 | 11.429 | 10.896 | 17.843 | 20.618 | 18.720 | 25.892 | 17.953 | 24.057 | 21.468 |
| Iran (Islamic Republic of) | 0.014 | 0.024 | 0.098 | 0.099 | 0.182 | 0.364 | 0.745 | 1.509 | 2.194 | 3.693 | 3.379 | 4.002 | 4.353 | 4.809 | 3.940 | 5.493 | 6.638 | 5.909 | 8.372 |
| Iraq | 0.011 | 0.023 | 0.095 | 0.107 | 0.204 | 0.544 | 1.467 | 3.086 | 4.483 | 10.149 | 12.502 | 17.962 | 18.021 | 33.254 | 26.035 | 47.186 | 32.434 | 43.846 | 52.421 |
| Ireland | 0.003 | 0.023 | 0.042 | 0.035 | 0.157 | 0.306 | 0.729 | 2.089 | 5.013 | 15.272 | 29.569 | 56.431 | 82.184 | 96.032 | 106.294 | 102.574 | 58.169 | 84.312 | 25.433 |

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|----------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Israel | 0.006 | 0.011 | 0.053 | 0.060 | 0.146 | 0.383 | 1.128 | 3.082 | 6.239 | 10.323 | 17.381 | 26.374 | 40.118 | 45.170 | 44.177 | 47.034 | 43.025 | 46.206 | 50.370 |
| Italy | 0.004 | 0.010 | 0.040 | 0.044 | 0.144 | 0.390 | 1.266 | 3.529 | 8.795 | 23.397 | 49.342 | 85.938 | 116.862 | 133.186 | 141.903 | 140.386 | 100.471 | 124.434 | 82.281 |
| Jamaica | 0.011 | 0.027 | 0.151 | 0.193 | 0.351 | 0.713 | 1.918 | 4.258 | 7.549 | 9.944 | 11.829 | 20.153 | 21.915 | 14.352 | 18.329 | 13.278 | 7.687 | 11.059 | 9.697 |
| Japan | 0.004 | 0.008 | 0.039 | 0.043 | 0.117 | 0.270 | 0.771 | 1.829 | 3.954 | 10.319 | 21.969 | 37.557 | 59.321 | 100.430 | 85.078 | 114.601 | 108.542 | 113.724 | 122.993 |
| Jordan | 0.008 | 0.016 | 0.062 | 0.067 | 0.131 | 0.309 | 0.871 | 1.806 | 2.945 | 5.724 | 8.246 | 13.764 | 20.151 | 29.475 | 24.602 | 33.891 | 49.249 | 38.850 | 60.501 |
| Kazakhstan | 0.013 | 0.041 | 0.126 | 0.148 | 0.379 | 0.880 | 1.872 | 4.181 | 9.027 | 16.630 | 22.513 | 18.879 | 18.570 | 13.139 | 14.249 | 11.782 | 9.380 | 10.763 | 1.948 |
| Kenya | 0.009 | 0.019 | 0.076 | 0.090 | 0.181 | 0.441 | 0.781 | 1.568 | 2.584 | 4.152 | 5.630 | 7.902 | 10.853 | 10.773 | 11.239 | 10.662 | 8.314 | 9.992 | 8.234 |
| Kiribati | 0.012 | 0.022 | 0.170 | 0.146 | 0.250 | 1.006 | 1.074 | 2.192 | 3.149 | 6.714 | 6.007 | 5.010 | 4.443 | 7.219 | 4.327 | 11.582 | 7.751 | 13.985 | 132.264 |
| Kuwait | 0.011 | 0.017 | 0.054 | 0.055 | 0.091 | 0.282 | 0.501 | 1.293 | 2.380 | 3.962 | 5.599 | 19.735 | 14.414 | 42.230 | 38.506 | 45.206 | 39.743 | 45.531 | 66.626 |
| Kyrgyzstan | 0.010 | 0.020 | 0.094 | 0.114 | 0.179 | 0.452 | 0.978 | 2.063 | 3.948 | 7.476 | 9.445 | 6.632 | 6.504 | 2.092 | 2.860 | 1.057 | 1.019 | 1.025 | 0.575 |
| Lao People's Democratic Republic | 0.020 | 0.044 | 0.188 | 0.215 | 0.396 | 1.006 | 1.890 | 4.215 | 7.428 | 10.659 | 10.947 | 10.585 | 15.282 | 15.305 | 15.155 | 17.594 | 10.066 | 15.556 | 12.079 |
| Latvia | 0.006 | 0.014 | 0.061 | 0.070 | 0.199 | 0.388 | 1.453 | 3.178 | 7.042 | 12.133 | 13.247 | 15.824 | 24.348 | 15.007 | 17.181 | 14.638 | 7.452 | 12.308 | 6.825 |
| Lebanon | 0.018 | 0.034 | 0.122 | 0.139 | 0.262 | 0.714 | 1.873 | 3.629 | 4.997 | 7.875 | 9.704 | 9.625 | 7.234 | 6.434 | 5.313 | 6.994 | 9.622 | 7.991 | 14.256 |
| Lesotho | 0.011 | 0.019 | 0.081 | 0.097 | 0.370 | 1.478 | 4.506 | 12.579 | 25.325 | 34.913 | 46.915 | 56.020 | 60.656 | 54.391 | 58.541 | 50.475 | 35.522 | 46.269 | 19.088 |
| Liberia | 0.008 | 0.016 | 0.065 | 0.089 | 0.165 | 0.349 | 0.545 | 1.414 | 1.771 | 3.417 | 3.019 | 6.101 | 3.530 | 4.425 | 5.368 | 2.915 | 3.143 | 3.088 | 5.016 |
| Libya | 0.010 | 0.019 | 0.079 | 0.088 | 0.270 | 0.619 | 1.507 | 2.935 | 3.714 | 7.056 | 6.737 | 8.554 | 7.009 | 7.819 | 5.858 | 9.331 | 11.032 | 10.088 | 13.337 |
| Lithuania | 0.006 | 0.011 | 0.060 | 0.063 | 0.200 | 0.421 | 1.258 | 2.333 | 5.713 | 9.314 | 12.854 | 14.512 | 17.871 | 12.993 | 15.474 | 10.500 | 7.975 | 9.934 | 12.497 |
| Luxembourg | 0.006 | 0.013 | 0.055 | 0.058 | 0.168 | 0.429 | 1.313 | 3.911 | 8.700 | 23.549 | 43.111 | 76.411 | 105.686 | 113.029 | 121.295 | 119.149 | 86.288 | 105.122 | 63.625 |
| Madagascar | 0.006 | 0.014 | 0.058 | 0.072 | 0.154 | 0.424 | 0.691 | 1.400 | 2.281 | 3.410 | 4.054 | 5.023 | 5.939 | 5.577 | 5.869 | 5.335 | 4.292 | 5.089 | 5.076 |
| Malawi | 0.008 | 0.018 | 0.062 | 0.068 | 0.131 | 0.323 | 0.564 | 1.213 | 1.976 | 3.248 | 4.722 | 6.202 | 8.822 | 7.983 | 8.702 | 7.201 | 6.009 | 6.898 | 7.155 |
| Malaysia | 0.021 | 0.043 | 0.172 | 0.198 | 0.385 | 0.818 | 1.616 | 3.052 | 5.380 | 8.058 | 10.105 | 10.434 | 12.649 | 20.092 | 17.888 | 26.330 | 17.032 | 23.565 | 21.646 |
| Maldives | 0.009 | 0.038 | 0.130 | 0.122 | 0.234 | 0.473 | 0.857 | 1.668 | 3.052 | 3.429 | 3.964 | 4.673 | 18.459 | 44.207 | 33.371 | 58.757 | 59.207 | 59.452 | 69.479 |
| Mali | 0.005 | 0.009 | 0.036 | 0.052 | 0.108 | 0.311 | 0.397 | 0.995 | 1.405 | 2.432 | 2.028 | 4.030 | 2.033 | 2.592 | 3.262 | 1.414 | 1.673 | 1.549 | 2.807 |
| Malta | 0.006 | 0.011 | 0.049 | 0.054 | 0.174 | 0.509 | 1.257 | 3.319 | 8.980 | 20.920 | 39.501 | 69.682 | 95.449 | 97.939 | 108.697 | 97.843 | 68.359 | 85.798 | 55.295 |

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|----------------------------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Marshall Islands | 0.015 | 0.032 | 0.231 | 0.256 | 0.420 | 2.111 | 1.940 | 3.971 | 6.006 | 21.295 | 32.091 | 29.427 | 22.315 | 43.295 | 27.045 | 84.271 | 8.521 | 76.036 | 267.389 |
| Mauritania | 0.004 | 0.008 | 0.036 | 0.057 | 0.101 | 0.263 | 0.361 | 0.941 | 1.361 | 2.590 | 2.320 | 5.938 | 3.657 | 5.517 | 6.536 | 3.783 | 4.236 | 4.055 | 6.455 |
| Mauritius | 0.020 | 0.030 | 0.152 | 0.102 | 0.261 | 0.451 | 0.848 | 1.639 | 3.000 | 4.222 | 5.142 | 4.483 | 7.401 | 5.022 | 5.725 | 5.942 | 1.104 | 4.230 | 1.759 |
| Mexico | 0.027 | 0.048 | 0.167 | 0.153 | 0.242 | 0.464 | 0.931 | 1.959 | 3.496 | 6.389 | 9.591 | 13.990 | 17.916 | 16.435 | 16.867 | 16.603 | 15.189 | 15.895 | 12.115 |
| Micronesia (Federated States of) | 0.017 | 0.041 | 0.301 | 0.352 | 0.470 | 2.042 | 2.971 | 5.836 | 9.658 | 27.098 | 35.492 | 35.088 | 24.897 | 40.283 | 26.214 | 70.405 | 11.184 | 63.609 | 219.651 |
| Monaco | 0.012 | 0.029 | 0.136 | 0.173 | 0.523 | 1.403 | 4.240 | 10.110 | 24.119 | 51.297 | 90.861 | 151.188 | 208.876 | 235.028 | 252.867 | 236.786 | 201.779 | 218.643 | 174.283 |
| Mongolia | 0.009 | 0.020 | 0.099 | 0.114 | 0.193 | 0.732 | 1.806 | 3.986 | 9.566 | 14.896 | 24.343 | 10.258 | 16.723 | 14.707 | 14.703 | 15.587 | 8.243 | 14.715 | 6.902 |
| Montenegro | 0.004 | 0.012 | 0.067 | 0.085 | 0.276 | 0.784 | 2.210 | 4.967 | 9.662 | 15.002 | 17.992 | 18.933 | 18.420 | 13.568 | 14.617 | 12.643 | 8.873 | 11.630 | 6.565 |
| Morocco | 0.005 | 0.008 | 0.038 | 0.060 | 0.163 | 0.513 | 1.471 | 3.216 | 5.346 | 8.026 | 7.012 | 6.624 | 4.292 | 4.825 | 3.734 | 5.461 | 8.002 | 6.499 | 12.155 |
| Mozambique | 0.006 | 0.015 | 0.056 | 0.069 | 0.165 | 0.440 | 0.820 | 1.727 | 2.956 | 4.792 | 6.632 | 9.226 | 14.493 | 13.731 | 14.661 | 13.271 | 9.563 | 12.133 | 9.099 |
| Myanmar | 0.019 | 0.041 | 0.156 | 0.165 | 0.340 | 0.809 | 1.701 | 3.926 | 7.375 | 9.300 | 10.102 | 9.971 | 18.015 | 19.222 | 19.002 | 22.123 | 13.243 | 19.527 | 14.866 |
| Namibia | 0.006 | 0.009 | 0.038 | 0.039 | 0.116 | 0.430 | 1.188 | 3.215 | 7.199 | 12.159 | 21.436 | 32.581 | 42.234 | 40.215 | 44.320 | 38.866 | 24.361 | 33.856 | 13.537 |
| Nauru | 0.022 | 0.047 | 0.362 | 0.388 | 0.647 | 2.878 | 3.366 | 7.091 | 9.308 | 24.455 | 25.542 | 25.049 | 19.888 | 50.152 | 32.992 | 95.123 | 10.222 | 81.453 | 223.641 |
| Nepal | 0.007 | 0.013 | 0.060 | 0.076 | 0.164 | 0.464 | 0.886 | 1.972 | 3.201 | 4.897 | 6.682 | 8.963 | 11.815 | 13.512 | 13.582 | 14.621 | 10.354 | 13.384 | 9.037 |
| Netherlands | 0.005 | 0.010 | 0.045 | 0.058 | 0.185 | 0.581 | 1.896 | 5.261 | 14.670 | 38.028 | 77.470 | 133.783 | 179.122 | 205.826 | 216.222 | 211.838 | 166.496 | 194.678 | 155.266 |
| New Zealand | 0.006 | 0.011 | 0.056 | 0.062 | 0.128 | 0.399 | 1.281 | 3.507 | 8.223 | 22.217 | 41.735 | 72.504 | 102.060 | 117.620 | 127.086 | 125.844 | 96.543 | 108.224 | 32.820 |
| Nicaragua | 0.026 | 0.038 | 0.104 | 0.096 | 0.127 | 0.272 | 0.522 | 1.092 | 1.874 | 3.582 | 4.537 | 6.434 | 6.708 | 8.533 | 10.613 | 6.131 | 3.159 | 5.263 | 2.803 |
| Niger | 0.007 | 0.012 | 0.052 | 0.087 | 0.133 | 0.336 | 0.434 | 1.200 | 1.745 | 3.270 | 2.706 | 5.149 | 3.148 | 3.281 | 4.004 | 1.765 | 2.130 | 1.939 | 3.329 |
| Nigeria | 0.004 | 0.009 | 0.039 | 0.048 | 0.100 | 0.228 | 0.307 | 0.690 | 0.950 | 1.766 | 1.722 | 4.034 | 2.734 | 3.704 | 4.384 | 2.290 | 2.946 | 2.666 | 5.421 |
| Niue | 0.016 | 0.027 | 0.181 | 0.159 | 0.311 | 1.230 | 1.809 | 3.554 | 6.339 | 15.666 | 20.722 | 18.802 | 15.803 | 25.130 | 15.377 | 38.280 | 8.412 | 37.574 | 161.091 |
| North Macedonia | 0.005 | 0.008 | 0.064 | 0.078 | 0.233 | 0.678 | 2.138 | 4.020 | 8.194 | 10.124 | 9.645 | 9.628 | 7.949 | 6.454 | 5.336 | 9.845 | 3.485 | 8.863 | 2.056 |
| Northern Mariana Islands | 0.013 | 0.024 | 0.207 | 0.207 | 0.446 | 1.141 | 3.449 | 4.730 | 9.152 | 15.419 | 26.192 | 21.884 | 20.694 | 38.452 | 15.456 | 56.163 | 6.700 | 69.133 | 450.134 |
| Norway | 0.004 | 0.011 | 0.038 | 0.054 | 0.144 | 0.340 | 1.132 | 2.855 | 6.606 | 19.260 | 35.921 | 69.472 | 100.248 | 108.925 | 121.503 | 113.254 | 81.480 | 97.830 | 61.749 |
| Oman | 0.010 | 0.112 | 0.125 | 0.089 | 0.097 | 0.359 | 0.636 | 1.420 | 2.830 | 8.106 | 14.059 | 21.852 | 25.897 | 27.140 | 21.110 | 39.929 | 37.941 | 38.772 | 24.888 |

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|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| Pakistan | 0.009 | 0.020 | 0.103 | 0.148 | 0.361 | 1.113 | 2.106 | 4.633 | 6.614 | 11.008 | 11.260 | 12.845 | 12.553 | 14.029 | 14.460 | 13.965 | 10.940 | 13.264 | 13.466 |
| Palau | 0.005 | 0.012 | 0.176 | 0.227 | 0.530 | 2.170 | 3.354 | 6.113 | 8.784 | 17.718 | 22.628 | 22.131 | 14.113 | 26.758 | 14.701 | 41.215 | 12.045 | 42.861 | 257.478 |
| Palestine | 0.009 | 0.018 | 0.094 | 0.117 | 0.239 | 0.565 | 1.431 | 3.019 | 4.118 | 7.573 | 6.702 | 9.384 | 5.982 | 4.619 | 3.551 | 4.843 | 11.364 | 6.144 | 2.304 |
| Panama | 0.030 | 0.046 | 0.171 | 0.135 | 0.206 | 0.375 | 0.817 | 1.677 | 2.430 | 3.981 | 4.887 | 6.999 | 9.001 | 10.281 | 12.252 | 9.666 | 6.572 | 8.242 | 5.549 |
| Papua New Guinea | 0.010 | 0.015 | 0.104 | 0.105 | 0.184 | 1.066 | 1.114 | 2.498 | 3.567 | 12.016 | 17.774 | 16.275 | 10.801 | 16.037 | 10.094 | 27.321 | 2.660 | 26.118 | 111.700 |
| Paraguay | 0.022 | 0.039 | 0.141 | 0.140 | 0.245 | 0.615 | 1.267 | 3.294 | 6.303 | 8.828 | 9.580 | 11.239 | 18.299 | 21.079 | 21.787 | 23.281 | 16.551 | 20.310 | 14.927 |
| Peru | 0.027 | 0.048 | 0.197 | 0.182 | 0.295 | 0.551 | 0.966 | 1.946 | 2.945 | 5.012 | 6.596 | 9.889 | 12.805 | 16.079 | 14.578 | 18.829 | 15.913 | 17.555 | 14.019 |
| Philippines | 0.017 | 0.036 | 0.185 | 0.203 | 0.389 | 0.803 | 1.684 | 3.344 | 5.991 | 8.055 | 8.564 | 7.469 | 9.533 | 7.488 | 7.437 | 7.421 | 7.101 | 7.569 | 11.284 |
| Poland | 0.004 | 0.009 | 0.045 | 0.052 | 0.207 | 0.699 | 2.307 | 6.304 | 15.988 | 34.957 | 50.061 | 58.001 | 65.052 | 45.156 | 53.788 | 40.202 | 29.899 | 35.720 | 11.962 |
| Portugal | 0.006 | 0.012 | 0.050 | 0.055 | 0.190 | 0.596 | 1.613 | 3.927 | 8.089 | 11.274 | 15.916 | 25.609 | 31.770 | 32.885 | 32.775 | 33.187 | 31.091 | 33.002 | 38.590 |
| Puerto Rico | 0.004 | 0.009 | 0.039 | 0.036 | 0.072 | 0.181 | 0.559 | 1.333 | 2.831 | 2.748 | 3.359 | 6.247 | 10.364 | 19.261 | 16.773 | 23.255 | 18.526 | 21.693 | 21.732 |
| Qatar | 0.013 | 0.023 | 0.083 | 0.099 | 0.148 | 0.362 | 1.077 | 2.135 | 3.458 | 9.901 | 10.734 | 18.390 | 10.083 | 19.202 | 15.120 | 35.986 | 23.181 | 33.844 | 16.534 |
| Republic of Korea | 0.005 | 0.009 | 0.041 | 0.046 | 0.127 | 0.242 | 0.658 | 1.415 | 3.239 | 6.740 | 10.076 | 20.701 | 33.449 | 49.948 | 46.070 | 52.091 | 59.195 | 55.511 | 79.901 |
| Republic of Moldova | 0.004 | 0.007 | 0.043 | 0.046 | 0.149 | 0.325 | 1.033 | 1.967 | 3.948 | 3.952 | 5.343 | 3.496 | 2.281 | 1.407 | 1.792 | 0.849 | 1.035 | 0.886 | 0.664 |
| Romania | 0.005 | 0.010 | 0.068 | 0.088 | 0.268 | 0.840 | 2.655 | 6.386 | 11.201 | 16.121 | 20.225 | 18.921 | 14.219 | 7.885 | 9.627 | 6.043 | 4.572 | 5.546 | 3.451 |
| Russian Federation | 0.005 | 0.011 | 0.066 | 0.084 | 0.319 | 0.658 | 1.595 | 3.431 | 7.632 | 11.820 | 13.944 | 18.112 | 18.663 | 14.732 | 16.535 | 12.104 | 12.034 | 12.087 | 12.184 |
| Rwanda | 0.006 | 0.014 | 0.056 | 0.069 | 0.154 | 0.433 | 0.720 | 1.621 | 3.008 | 4.620 | 6.617 | 9.598 | 13.715 | 13.998 | 14.517 | 13.958 | 10.905 | 13.095 | 10.363 |
| Saint Kitts and Nevis | 0.013 | 0.027 | 0.088 | 0.087 | 0.229 | 0.536 | 1.760 | 4.502 | 9.202 | 10.877 | 13.686 | 23.499 | 33.844 | 31.985 | 35.126 | 32.798 | 19.225 | 27.603 | 12.300 |
| Saint Lucia | 0.011 | 0.031 | 0.112 | 0.120 | 0.286 | 0.662 | 1.597 | 2.884 | 4.256 | 5.805 | 5.463 | 8.784 | 8.890 | 13.393 | 10.525 | 15.439 | 19.742 | 17.032 | 23.075 |
| Saint Vincent and the Grenadines | 0.015 | 0.029 | 0.122 | 0.103 | 0.247 | 0.540 | 1.561 | 2.877 | 4.308 | 4.799 | 4.959 | 7.454 | 10.871 | 14.076 | 12.855 | 16.230 | 15.679 | 15.960 | 13.038 |
| Samoa | 0.007 | 0.015 | 0.082 | 0.077 | 0.136 | 0.523 | 0.748 | 1.637 | 2.249 | 6.362 | 9.116 | 8.170 | 5.798 | 9.468 | 5.629 | 15.634 | 3.807 | 14.864 | 55.772 |
| San Marino | 0.008 | 0.018 | 0.073 | 0.077 | 0.215 | 0.576 | 1.807 | 4.550 | 10.392 | 25.203 | 48.175 | 86.141 | 121.320 | 151.205 | 149.912 | 159.464 | 140.793 | 152.423 | 143.472 |
| Sao Tome and Principe | 0.006 | 0.011 | 0.055 | 0.103 | 0.184 | 0.403 | 0.632 | 1.774 | 2.467 | 5.006 | 4.005 | 10.391 | 5.656 | 7.791 | 8.875 | 5.436 | 6.870 | 6.048 | 10.980 |
| Saudi Arabia | 0.006 | 0.017 | 0.075 | 0.074 | 0.172 | 0.340 | 0.611 | 1.184 | 1.461 | 2.937 | 2.740 | 4.174 | 2.295 | 2.003 | 1.746 | 2.129 | 2.563 | 2.328 | 3.160 |

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|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|---------|---------|--------|--------|---------|
| Senegal | 0.007 | 0.014 | 0.055 | 0.085 | 0.143 | 0.358 | 0.527 | 1.471 | 2.117 | 4.958 | 3.451 | 11.699 | 6.501 | 7.882 | 9.799 | 4.778 | 4.819 | 4.904 | 6.864 |
| Serbia | 0.004 | 0.008 | 0.048 | 0.066 | 0.254 | 0.845 | 2.755 | 6.811 | 14.785 | 25.177 | 33.649 | 26.319 | 22.530 | 17.383 | 19.334 | 14.861 | 4.508 | 12.929 | 2.223 |
| Seychelles | 0.020 | 0.058 | 0.244 | 0.244 | 0.434 | 1.011 | 2.114 | 3.594 | 6.233 | 8.038 | 8.602 | 7.669 | 15.207 | 15.317 | 14.457 | 17.228 | 13.673 | 16.392 | 18.285 |
| Sierra Leone | 0.007 | 0.013 | 0.056 | 0.089 | 0.158 | 0.391 | 0.532 | 1.454 | 1.839 | 3.711 | 3.222 | 6.756 | 3.931 | 4.578 | 5.633 | 2.497 | 2.929 | 2.717 | 4.707 |
| Singapore | 0.007 | 0.010 | 0.041 | 0.034 | 0.099 | 0.277 | 0.480 | 1.166 | 2.697 | 6.691 | 11.671 | 32.183 | 53.973 | 71.265 | 71.446 | 76.422 | 63.933 | 71.065 | 55.334 |
| Slovakia | 0.005 | 0.010 | 0.046 | 0.050 | 0.166 | 0.493 | 1.490 | 3.367 | 7.543 | 14.247 | 18.777 | 18.319 | 16.527 | 12.245 | 14.597 | 10.796 | 7.578 | 9.411 | 2.440 |
| Slovenia | 0.004 | 0.008 | 0.037 | 0.058 | 0.221 | 0.584 | 2.175 | 5.786 | 15.246 | 33.531 | 51.127 | 60.425 | 75.279 | 62.234 | 79.413 | 50.675 | 37.802 | 45.009 | 25.142 |
| Solomon Islands | 0.030 | 0.069 | 0.466 | 0.462 | 0.751 | 3.427 | 3.793 | 7.964 | 10.302 | 24.902 | 31.983 | 27.724 | 19.084 | 23.969 | 16.955 | 45.618 | 3.236 | 42.942 | 232.698 |
| Somalia | 0.007 | 0.014 | 0.051 | 0.061 | 0.164 | 0.516 | 0.830 | 1.860 | 2.926 | 4.217 | 5.264 | 6.098 | 6.785 | 5.880 | 6.294 | 5.229 | 4.091 | 4.955 | 3.766 |
| South Africa | 0.004 | 0.012 | 0.064 | 0.074 | 0.166 | 0.451 | 1.239 | 3.827 | 9.129 | 14.882 | 25.904 | 36.818 | 45.158 | 63.082 | 64.876 | 65.634 | 49.718 | 60.489 | 34.030 |
| South Sudan | 0.005 | 0.010 | 0.043 | 0.050 | 0.129 | 0.331 | 0.650 | 1.369 | 2.214 | 3.731 | 4.724 | 6.343 | 8.608 | 7.612 | 8.375 | 7.023 | 5.357 | 6.472 | 5.560 |
| Spain | 0.004 | 0.008 | 0.036 | 0.038 | 0.132 | 0.422 | 1.395 | 3.943 | 8.909 | 18.966 | 31.902 | 51.560 | 70.690 | 72.478 | 77.085 | 74.893 | 58.388 | 68.368 | 50.711 |
| Sri Lanka | 0.013 | 0.028 | 0.123 | 0.112 | 0.250 | 0.544 | 1.274 | 2.344 | 3.983 | 4.281 | 5.400 | 5.733 | 7.583 | 11.698 | 8.739 | 15.773 | 15.294 | 16.139 | 24.374 |
| Sudan | 0.014 | 0.026 | 0.106 | 0.113 | 0.188 | 0.379 | 0.741 | 1.446 | 1.957 | 3.471 | 3.668 | 3.877 | 3.134 | 2.635 | 2.322 | 3.050 | 2.992 | 3.090 | 3.683 |
| Suriname | 0.016 | 0.042 | 0.142 | 0.146 | 0.375 | 0.717 | 1.648 | 3.498 | 5.397 | 7.419 | 7.285 | 10.063 | 12.127 | 13.000 | 13.259 | 14.299 | 9.729 | 12.673 | 10.065 |
| Sweden | 0.005 | 0.009 | 0.040 | 0.043 | 0.121 | 0.220 | 0.661 | 1.497 | 3.966 | 10.741 | 26.294 | 48.444 | 76.264 | 76.419 | 82.995 | 73.956 | 63.718 | 69.916 | 64.949 |
| Switzerland | 0.004 | 0.009 | 0.037 | 0.045 | 0.120 | 0.453 | 1.150 | 3.513 | 9.472 | 22.518 | 44.409 | 69.378 | 92.641 | 99.916 | 111.511 | 100.441 | 74.619 | 89.240 | 66.066 |
| Syrian Arab Republic | 0.018 | 0.032 | 0.138 | 0.094 | 0.288 | 0.504 | 1.087 | 1.823 | 2.782 | 4.720 | 3.875 | 3.819 | 3.682 | 5.193 | 4.197 | 7.917 | 3.197 | 7.128 | 2.678 |
| Taiwan (Province of China) | 0.011 | 0.024 | 0.176 | 0.160 | 0.532 | 1.153 | 2.221 | 3.806 | 7.363 | 11.055 | 14.715 | 22.235 | 21.977 | 28.702 | 29.224 | 31.414 | 16.329 | 28.163 | 43.255 |
| Tajikistan | 0.009 | 0.170 | 0.188 | 0.137 | 0.282 | 0.501 | 1.059 | 1.538 | 2.579 | 4.492 | 4.899 | 5.866 | 5.644 | 4.720 | 5.300 | 3.615 | 3.614 | 3.570 | 2.862 |
| Thailand | 0.015 | 0.043 | 0.263 | 0.311 | 0.696 | 1.259 | 2.329 | 3.946 | 6.188 | 6.947 | 7.317 | 7.454 | 20.462 | 24.350 | 24.470 | 22.923 | 23.533 | 24.212 | 35.174 |
| Timor-Leste | 0.015 | 0.030 | 0.125 | 0.138 | 0.273 | 0.627 | 1.467 | 3.229 | 5.861 | 7.398 | 10.030 | 8.524 | 14.422 | 17.121 | 16.001 | 20.639 | 12.933 | 18.958 | 15.305 |
| Togo | 0.008 | 0.016 | 0.064 | 0.098 | 0.171 | 0.413 | 0.650 | 1.831 | 2.282 | 4.861 | 3.722 | 8.271 | 4.801 | 5.912 | 7.256 | 3.290 | 3.742 | 3.531 | 6.056 |
| Tokelau | 0.011 | 0.028 | 0.197 | 0.185 | 0.298 | 0.963 | 1.586 | 2.977 | 4.549 | 9.993 | 16.667 | 15.626 | 10.764 | 22.762 | 11.930 | 34.352 | 7.198 | 41.715 | 217.109 |

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|------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Tonga | 0.006 | 0.011 | 0.089 | 0.093 | 0.184 | 0.897 | 1.295 | 2.783 | 3.845 | 11.460 | 20.604 | 20.730 | 15.444 | 25.803 | 14.369 | 40.941 | 6.142 | 39.562 | 136.634 |
| Trinidad and Tobago | 0.013 | 0.033 | 0.146 | 0.146 | 0.261 | 0.577 | 1.380 | 2.574 | 3.879 | 5.399 | 5.431 | 9.629 | 9.998 | 5.492 | 6.433 | 5.312 | 3.579 | 4.396 | 1.574 |
| Tunisia | 0.005 | 0.011 | 0.054 | 0.078 | 0.230 | 0.615 | 1.547 | 2.971 | 5.145 | 8.150 | 7.610 | 7.600 | 4.664 | 7.131 | 5.160 | 9.380 | 10.826 | 9.812 | 10.954 |
| Turkey | 0.011 | 0.021 | 0.099 | 0.130 | 0.411 | 1.431 | 3.667 | 9.968 | 20.283 | 36.941 | 48.665 | 77.619 | 73.722 | 63.529 | 63.218 | 67.676 | 57.471 | 63.894 | 51.803 |
| Turkmenistan | 0.018 | 0.144 | 0.263 | 0.146 | 0.824 | 0.870 | 1.218 | 2.292 | 3.487 | 5.302 | 5.140 | 4.588 | 4.204 | 2.651 | 3.451 | 1.587 | 1.601 | 1.603 | 1.751 |
| Tuvalu | 0.014 | 0.032 | 0.245 | 0.259 | 0.415 | 1.811 | 2.062 | 4.038 | 5.999 | 14.915 | 21.313 | 18.740 | 14.667 | 28.361 | 15.857 | 50.630 | 7.995 | 47.961 | 224.488 |
| Uganda | 0.005 | 0.012 | 0.051 | 0.070 | 0.147 | 0.420 | 0.744 | 1.531 | 2.421 | 3.840 | 5.073 | 6.962 | 10.135 | 10.100 | 10.760 | 9.488 | 7.686 | 8.974 | 8.064 |
| Ukraine | 0.009 | 0.061 | 0.248 | 0.155 | 0.798 | 1.139 | 2.305 | 5.278 | 10.309 | 14.162 | 15.813 | 15.639 | 14.367 | 7.373 | 8.590 | 6.054 | 3.572 | 5.202 | 2.724 |
| United Arab Emirates | 0.011 | 0.026 | 0.113 | 0.113 | 0.227 | 0.519 | 0.874 | 2.662 | 3.252 | 9.882 | 6.167 | 10.558 | 7.045 | 7.667 | 6.956 | 8.789 | 10.828 | 9.354 | 17.422 |
| United Kingdom | 0.005 | 0.011 | 0.044 | 0.060 | 0.158 | 0.475 | 1.291 | 3.966 | 11.224 | 33.725 | 71.113 | 121.941 | 164.729 | 210.984 | 202.434 | 223.800 | 209.600 | 220.023 | 227.264 |
| United Republic of Tanzania | 0.008 | 0.017 | 0.069 | 0.086 | 0.186 | 0.500 | 0.878 | 1.947 | 3.262 | 5.218 | 7.151 | 9.260 | 13.032 | 12.449 | 13.298 | 11.937 | 8.885 | 11.058 | 8.904 |
| United States of America | 0.005 | 0.010 | 0.045 | 0.050 | 0.109 | 0.317 | 0.995 | 2.700 | 6.805 | 15.079 | 30.311 | 64.973 | 101.149 | 129.095 | 136.059 | 141.505 | 107.569 | 122.694 | 70.791 |
| United States Virgin Islands | 0.011 | 0.031 | 0.104 | 0.128 | 0.474 | 1.178 | 3.778 | 8.555 | 16.309 | 17.053 | 24.275 | 40.510 | 53.027 | 64.725 | 64.590 | 65.091 | 64.481 | 64.963 | 65.428 |
| Uruguay | 0.019 | 0.037 | 0.134 | 0.174 | 0.517 | 1.135 | 2.972 | 7.486 | 15.066 | 22.532 | 27.545 | 34.011 | 42.896 | 44.872 | 42.981 | 44.146 | 52.779 | 46.791 | 47.067 |
| Uzbekistan | 0.019 | 0.038 | 0.185 | 0.209 | 0.348 | 0.699 | 1.444 | 2.782 | 4.650 | 7.711 | 6.491 | 5.686 | 8.377 | 4.777 | 5.053 | 3.619 | 3.610 | 3.620 | 3.867 |
| Vanuatu | 0.014 | 0.030 | 0.228 | 0.290 | 0.436 | 2.309 | 2.238 | 4.516 | 6.799 | 20.589 | 29.814 | 28.068 | 21.627 | 33.582 | 22.680 | 66.123 | 5.454 | 59.805 | 222.338 |
| Venezuela (Bolivarian Republic of) | 0.022 | 0.041 | 0.149 | 0.126 | 0.242 | 0.607 | 1.536 | 3.709 | 6.134 | 9.393 | 10.416 | 12.089 | 12.695 | 9.259 | 11.546 | 6.172 | 7.983 | 6.878 | 7.451 |
| Viet Nam | 0.012 | 0.026 | 0.115 | 0.148 | 0.421 | 1.349 | 3.499 | 7.697 | 13.244 | 16.014 | 14.350 | 12.925 | 20.428 | 22.425 | 21.296 | 27.225 | 15.744 | 23.891 | 15.801 |
| Yemen | 0.007 | 0.015 | 0.069 | 0.082 | 0.172 | 0.453 | 0.796 | 1.674 | 2.304 | 4.100 | 4.231 | 4.562 | 3.339 | 3.102 | 2.776 | 3.601 | 3.647 | 3.650 | 4.305 |
| Zambia | 0.009 | 0.021 | 0.082 | 0.101 | 0.236 | 0.650 | 1.222 | 2.542 | 4.064 | 6.438 | 8.260 | 11.242 | 15.723 | 15.541 | 16.048 | 15.377 | 11.919 | 14.569 | 12.467 |
| Zimbabwe | 0.008 | 0.015 | 0.074 | 0.090 | 0.211 | 0.630 | 1.176 | 2.269 | 3.693 | 5.344 | 7.899 | 12.018 | 16.989 | 18.309 | 19.432 | 18.900 | 10.725 | 16.310 | 5.759 |

Supplementary Table 2. Age distribution of DALYs rate for cancer attributed to occupational risks in 2019.

| 2019 DALY rate both | 15-19 years | 20-24 years | 25-29 years | 30-34 years | 35-39 years | 40-44 years | 45-49 years | 50-54 years | 55-59 years | 60-64 years | 65-69 years | 70-74 years | 75-79 years | 80+ years | 80-84 | 85-89 | 90-94 | 85+ years | 95+ years |
|------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-----------|----------|----------|---------|-----------|-----------|
| global | 0.693 | 1.447 | 6.137 | 7.308 | 14.090 | 31.361 | 66.890 | 135.590 | 217.853 | 332.224 | 430.598 | 572.955 | 642.370 | 590.075 | 628.564 | 602.623 | 436.638 | 540.171 | 336.922 |
| High-middle SDI | 0.797 | 1.764 | 7.534 | 9.374 | 18.280 | 39.806 | 83.191 | 170.083 | 279.414 | 424.520 | 496.162 | 587.662 | 586.876 | 449.083 | 492.588 | 448.025 | 281.054 | 391.740 | 215.357 |
| High SDI | 0.362 | 0.787 | 3.323 | 3.648 | 8.281 | 19.701 | 51.739 | 123.864 | 269.431 | 518.459 | 828.518 | 1246.584 | 1387.287 | 1159.308 | 1355.905 | 1145.972 | 752.389 | 965.242 | 498.228 |
| Low-middle SDI | 0.591 | 1.309 | 5.503 | 6.399 | 12.925 | 29.172 | 55.548 | 108.244 | 151.372 | 181.698 | 188.275 | 190.976 | 202.387 | 167.336 | 185.436 | 154.094 | 94.392 | 137.038 | 91.745 |
| Low SDI | 0.516 | 1.042 | 4.192 | 4.769 | 9.257 | 22.197 | 37.340 | 73.365 | 95.277 | 132.237 | 131.707 | 147.636 | 130.822 | 100.212 | 114.831 | 83.549 | 54.618 | 75.341 | 51.644 |
| Middle SDI | 0.966 | 1.865 | 7.664 | 8.881 | 16.344 | 35.062 | 76.820 | 145.286 | 204.470 | 263.541 | 292.108 | 292.686 | 317.118 | 261.416 | 275.383 | 272.562 | 160.622 | 239.411 | 123.580 |
| Andean Latin America | 2.103 | 3.497 | 12.475 | 10.556 | 15.471 | 25.540 | 42.044 | 74.996 | 106.627 | 157.199 | 182.126 | 222.864 | 238.765 | 212.073 | 225.068 | 216.764 | 176.576 | 197.455 | 109.019 |
| Australasia | 0.335 | 0.615 | 2.670 | 2.624 | 6.828 | 22.229 | 54.900 | 129.170 | 292.678 | 623.562 | 1118.569 | 1710.875 | 1864.177 | 1521.162 | 1799.882 | 1489.773 | 969.491 | 1244.301 | 493.681 |
| Caribbean | 0.890 | 2.557 | 7.629 | 8.058 | 15.280 | 30.167 | 69.118 | 140.230 | 219.206 | 268.568 | 246.970 | 282.390 | 255.028 | 184.332 | 210.502 | 183.853 | 114.291 | 155.466 | 101.189 |
| Central Asia | 1.178 | 4.129 | 10.487 | 10.067 | 21.080 | 38.814 | 76.778 | 136.943 | 233.613 | 339.336 | 346.546 | 291.831 | 238.348 | 161.087 | 184.937 | 132.776 | 85.417 | 115.720 | 38.208 |
| Central Europe | 0.328 | 0.651 | 3.354 | 3.783 | 11.862 | 33.571 | 97.075 | 212.841 | 422.722 | 712.849 | 809.702 | 719.161 | 584.807 | 297.422 | 378.752 | 228.674 | 135.465 | 195.344 | 51.116 |
| Central Latin America | 1.827 | 3.075 | 10.354 | 8.756 | 12.525 | 22.654 | 42.121 | 79.655 | 122.086 | 184.742 | 209.345 | 238.751 | 227.217 | 131.546 | 161.800 | 110.233 | 79.825 | 96.187 | 48.638 |
| Central sub-Saharan Africa | 0.625 | 1.114 | 4.241 | 4.843 | 9.992 | 24.648 | 49.739 | 99.128 | 141.156 | 175.516 | 174.061 | 161.617 | 162.804 | 124.980 | 140.798 | 107.402 | 71.149 | 97.401 | 63.722 |
| East Asia | 0.946 | 2.027 | 9.018 | 12.862 | 21.850 | 48.326 | 97.883 | 181.516 | 244.680 | 344.611 | 383.428 | 400.030 | 407.282 | 352.755 | 351.152 | 400.969 | 227.396 | 355.453 | 160.258 |
| Eastern Europe | 0.408 | 1.651 | 7.158 | 5.652 | 22.946 | 35.621 | 73.427 | 142.397 | 265.311 | 339.987 | 332.768 | 331.951 | 263.049 | 136.293 | 169.645 | 95.445 | 70.157 | 86.002 | 53.341 |
| Eastern Sub-Saharan Africa | 0.651 | 1.269 | 4.625 | 4.898 | 9.107 | 20.769 | 32.252 | 59.963 | 86.216 | 118.317 | 134.917 | 150.524 | 168.729 | 112.937 | 132.554 | 91.015 | 52.668 | 79.505 | 40.510 |
| High-income Asia Pacific | 0.305 | 0.622 | 2.603 | 2.611 | 6.414 | 12.514 | 31.102 | 63.257 | 121.157 | 257.198 | 456.738 | 672.153 | 845.965 | 898.644 | 936.055 | 972.188 | 732.600 | 863.997 | 619.051 |
| High-income North America | 0.343 | 0.697 | 2.809 | 2.850 | 5.758 | 15.002 | 42.133 | 102.404 | 228.452 | 438.974 | 749.788 | 1295.112 | 1603.409 | 1319.962 | 1637.085 | 1290.660 | 771.184 | 1027.390 | 388.161 |
| North Africa and Middle East | 0.731 | 1.383 | 5.411 | 5.610 | 11.334 | 27.215 | 58.587 | 125.868 | 203.686 | 323.084 | 335.841 | 443.480 | 315.712 | 228.493 | 237.479 | 233.126 | 180.330 | 215.799 | 147.273 |
| Oceania | 0.846 | 1.331 | 8.360 | 7.620 | 11.875 | 56.692 | 55.051 | 104.932 | 131.643 | 352.572 | 429.125 | 323.428 | 177.461 | 175.142 | 132.109 | 287.359 | 23.292 | 247.200 | 665.329 |
| South Asia | 0.383 | 0.844 | 4.102 | 4.965 | 10.706 | 24.154 | 45.298 | 83.543 | 117.325 | 142.711 | 152.218 | 159.245 | 157.575 | 132.567 | 152.152 | 109.005 | 69.917 | 98.305 | 57.143 |
| Southeast Asia | 1.250 | 2.393 | 9.927 | 9.950 | 20.721 | 43.724 | 86.604 | 161.030 | 249.455 | 276.425 | 245.104 | 189.368 | 263.397 | 204.552 | 221.158 | 205.640 | 122.178 | 180.504 | 126.931 |
| Southern Latin America | 1.326 | 2.258 | 8.233 | 8.154 | 18.124 | 36.490 | 79.424 | 177.538 | 319.052 | 475.031 | 585.480 | 599.521 | 592.530 | 426.938 | 525.504 | 362.474 | 245.590 | 315.881 | 175.463 |

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|-----------------------------|-------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Southern sub-Saharan Africa | 0.400 | 0.857 | 4.131 | 4.405 | 9.470 | 24.614 | 56.760 | 146.310 | 293.285 | 402.836 | 575.472 | 671.197 | 657.098 | 616.840 | 708.441 | 551.809 | 320.384 | 480.215 | 165.403 |
| Tropical Latin America | 0.994 | 2.372 | 8.438 | 7.897 | 16.731 | 34.124 | 68.721 | 149.131 | 253.345 | 223.975 | 225.954 | 244.269 | 396.362 | 371.748 | 389.816 | 384.056 | 299.254 | 350.481 | 276.604 |
| Western Europe | 0.336 | 0.738 | 2.815 | 3.066 | 8.373 | 22.950 | 69.972 | 174.930 | 389.049 | 765.184 | 1187.742 | 1622.493 | 1657.727 | 1235.996 | 1479.836 | 1159.044 | 730.915 | 982.803 | 498.951 |
| Western sub-Saharan Africa | 0.432 | 0.807 | 3.197 | 4.279 | 7.195 | 15.433 | 19.049 | 43.154 | 49.917 | 88.168 | 60.627 | 126.166 | 56.087 | 50.937 | 66.954 | 25.626 | 23.921 | 25.552 | 31.111 |
| Afghanistan | 0.920 | 1.783 | 7.685 | 9.113 | 14.778 | 30.458 | 69.421 | 119.511 | 86.897 | 139.591 | 136.888 | 112.605 | 80.444 | 56.427 | 53.937 | 63.017 | 55.416 | 61.206 | 56.707 |
| Albania | 0.378 | 0.955 | 6.089 | 6.763 | 9.977 | 20.655 | 47.401 | 71.975 | 124.665 | 212.783 | 245.042 | 267.444 | 223.893 | 131.755 | 156.899 | 110.036 | 60.959 | 92.902 | 33.108 |
| Algeria | 0.407 | 0.745 | 2.852 | 3.150 | 6.508 | 13.301 | 25.683 | 45.338 | 57.165 | 89.594 | 72.555 | 57.217 | 37.197 | 36.921 | 25.159 | 57.888 | 80.756 | 61.015 | 77.832 |
| American Samoa | 0.667 | 1.345 | 9.223 | 9.508 | 15.457 | 59.633 | 72.740 | 137.077 | 174.247 | 443.808 | 569.731 | 479.098 | 317.595 | 355.868 | 256.728 | 579.655 | 141.149 | 500.131 | 1053.184 |
| Andorra | 0.384 | 1.037 | 4.614 | 4.912 | 15.877 | 41.651 | 114.214 | 289.941 | 695.128 | 1247.349 | 1773.236 | 2391.500 | 2395.519 | 1679.882 | 2113.124 | 1621.091 | 1081.971 | 1353.758 | 738.202 |
| Angola | 0.833 | 1.473 | 5.485 | 6.155 | 11.577 | 28.954 | 55.710 | 112.543 | 156.117 | 201.355 | 197.295 | 183.811 | 188.695 | 148.676 | 167.952 | 123.828 | 80.471 | 111.818 | 72.687 |
| Antigua and Barbuda | 1.028 | 1.971 | 6.619 | 4.597 | 8.407 | 12.953 | 29.446 | 59.412 | 94.320 | 134.156 | 98.984 | 116.317 | 100.807 | 94.991 | 111.149 | 84.951 | 55.176 | 74.164 | 42.972 |
| Argentina | 1.356 | 2.341 | 8.966 | 9.135 | 20.073 | 41.601 | 91.840 | 217.473 | 396.313 | 569.874 | 691.011 | 692.897 | 658.982 | 470.981 | 589.013 | 392.742 | 247.931 | 335.611 | 178.632 |
| Armenia | 0.977 | 11.102 | 8.763 | 10.520 | 62.658 | 84.811 | 148.237 | 290.809 | 490.751 | 750.293 | 604.247 | 746.910 | 635.539 | 629.896 | 698.314 | 565.664 | 414.145 | 516.470 | 297.843 |
| Australia | 0.318 | 0.585 | 2.529 | 2.482 | 6.842 | 22.807 | 55.013 | 128.650 | 297.093 | 622.854 | 1143.033 | 1767.606 | 1920.313 | 1577.668 | 1853.152 | 1552.318 | 1020.556 | 1303.983 | 555.518 |
| Austria | 0.303 | 0.576 | 2.376 | 2.793 | 6.626 | 18.784 | 52.466 | 135.608 | 277.759 | 535.049 | 773.641 | 1038.220 | 859.644 | 621.169 | 783.911 | 565.138 | 331.828 | 457.652 | 169.888 |
| Azerbaijan | 1.827 | 2.945 | 11.599 | 12.090 | 21.587 | 46.411 | 98.423 | 157.628 | 223.812 | 299.571 | 239.323 | 157.666 | 122.066 | 74.017 | 85.145 | 38.763 | 36.763 | 38.319 | 22.194 |
| Bahamas | 1.091 | 2.465 | 10.259 | 10.927 | 23.719 | 41.673 | 79.020 | 139.514 | 203.625 | 216.274 | 189.174 | 219.704 | 228.016 | 187.254 | 198.535 | 203.823 | 135.265 | 172.403 | 79.092 |
| Bahrain | 1.130 | 2.416 | 6.708 | 3.601 | 11.287 | 14.834 | 27.069 | 55.369 | 107.031 | 269.347 | 370.880 | 651.319 | 1031.097 | 1145.583 | 1030.296 | 1486.926 | 1060.558 | 1426.133 | 820.253 |
| Bangladesh | 0.435 | 0.720 | 3.430 | 3.521 | 6.358 | 14.825 | 28.425 | 62.282 | 79.121 | 104.426 | 109.568 | 89.845 | 80.902 | 74.040 | 79.020 | 71.931 | 47.931 | 65.873 | 42.475 |
| Barbados | 1.540 | 2.766 | 8.354 | 6.896 | 13.473 | 19.364 | 44.137 | 65.083 | 114.080 | 127.633 | 121.881 | 165.018 | 160.630 | 153.876 | 154.454 | 166.166 | 132.644 | 153.204 | 102.270 |
| Belarus | 0.453 | 5.093 | 16.902 | 6.122 | 45.404 | 37.158 | 69.158 | 126.826 | 239.292 | 275.785 | 264.161 | 266.476 | 192.122 | 107.427 | 139.672 | 72.013 | 54.099 | 65.654 | 48.774 |
| Belgium | 0.313 | 0.569 | 2.392 | 2.745 | 9.137 | 23.118 | 73.192 | 203.271 | 475.540 | 1018.875 | 1663.327 | 2245.083 | 2324.896 | 1613.501 | 1949.615 | 1547.789 | 933.587 | 1295.589 | 585.640 |
| Belize | 1.057 | 2.887 | 12.498 | 14.923 | 25.320 | 46.304 | 96.492 | 178.642 | 307.549 | 313.350 | 261.361 | 332.139 | 345.520 | 312.310 | 377.825 | 288.729 | 164.567 | 238.177 | 120.500 |
| Benin | 0.722 | 1.215 | 4.736 | 6.454 | 9.613 | 19.629 | 27.806 | 67.090 | 73.896 | 124.800 | 90.386 | 157.329 | 75.093 | 59.131 | 78.285 | 27.348 | 24.477 | 26.895 | 31.233 |

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|----------------------------------|-------|--------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|----------|----------|
| Bermuda | 1.041 | 11.294 | 12.071 | 5.996 | 18.546 | 39.630 | 106.042 | 203.496 | 350.119 | 380.274 | 433.545 | 583.673 | 892.998 | 895.987 | 959.301 | 930.958 | 686.918 | 824.624 | 508.479 |
| Bhutan | 0.473 | 0.851 | 3.526 | 3.552 | 6.592 | 14.827 | 25.812 | 50.759 | 72.340 | 101.268 | 123.711 | 158.271 | 191.499 | 171.819 | 194.003 | 162.598 | 81.772 | 136.970 | 57.132 |
| Bolivia (Plurinational State of) | 1.895 | 2.987 | 10.805 | 9.773 | 15.711 | 29.875 | 54.753 | 112.964 | 179.954 | 267.425 | 349.114 | 448.144 | 522.508 | 491.088 | 538.456 | 467.692 | 312.573 | 417.673 | 191.566 |
| Bosnia and Herzegovina | 0.281 | 0.515 | 2.916 | 3.101 | 10.813 | 21.620 | 67.416 | 124.119 | 295.749 | 445.471 | 580.048 | 528.284 | 362.476 | 153.287 | 121.194 | 268.976 | 38.349 | 211.257 | 11.454 |
| Botswana | 0.796 | 1.308 | 5.621 | 5.566 | 14.148 | 39.088 | 88.941 | 204.661 | 363.624 | 519.120 | 804.288 | 1063.432 | 1018.250 | 717.907 | 845.100 | 566.694 | 265.170 | 485.186 | 132.451 |
| Brazil | 0.970 | 2.363 | 8.426 | 7.892 | 16.843 | 34.258 | 69.098 | 149.743 | 254.463 | 223.402 | 225.941 | 244.847 | 398.975 | 375.330 | 392.709 | 387.912 | 303.558 | 354.837 | 283.357 |
| Brunei Darussalam | 1.165 | 2.065 | 8.052 | 7.766 | 14.864 | 30.305 | 51.874 | 96.186 | 176.813 | 302.804 | 544.868 | 893.316 | 1176.624 | 1483.200 | 1636.351 | 1176.250 | 851.005 | 1116.093 | 743.827 |
| Bulgaria | 0.541 | 1.090 | 5.337 | 6.505 | 19.007 | 45.894 | 124.639 | 221.247 | 340.922 | 414.051 | 325.306 | 243.543 | 113.825 | 37.817 | 50.681 | 22.809 | 11.506 | 20.075 | 7.255 |
| Burkina Faso | 0.407 | 0.702 | 2.865 | 4.329 | 7.021 | 16.959 | 19.752 | 48.687 | 55.207 | 91.386 | 61.426 | 115.833 | 51.068 | 43.010 | 57.723 | 18.526 | 17.757 | 18.687 | 24.709 |
| Burundi | 0.586 | 1.168 | 4.078 | 4.304 | 8.832 | 22.260 | 35.093 | 62.840 | 93.464 | 126.455 | 129.532 | 136.665 | 139.928 | 93.666 | 110.796 | 71.966 | 41.016 | 63.429 | 32.848 |
| Cabo Verde | 0.694 | 1.116 | 3.925 | 6.152 | 7.628 | 11.876 | 23.765 | 53.170 | 60.654 | 104.851 | 65.568 | 144.419 | 69.948 | 56.766 | 76.221 | 37.311 | 26.606 | 33.127 | 21.532 |
| Cambodia | 1.536 | 2.946 | 11.068 | 11.548 | 20.339 | 49.996 | 96.219 | 202.453 | 346.595 | 372.700 | 366.854 | 298.399 | 446.758 | 319.904 | 342.276 | 333.576 | 144.959 | 283.048 | 120.162 |
| Cameroon | 0.739 | 1.361 | 5.338 | 7.822 | 11.747 | 25.291 | 33.827 | 82.874 | 93.132 | 182.778 | 109.834 | 271.511 | 115.908 | 101.497 | 133.946 | 45.806 | 38.349 | 44.113 | 45.068 |
| Canada | 0.309 | 0.653 | 2.632 | 2.764 | 6.144 | 15.172 | 41.448 | 108.677 | 263.867 | 540.669 | 997.365 | 1556.357 | 1982.335 | 1499.069 | 1847.383 | 1381.366 | 924.390 | 1168.260 | 564.445 |
| Central African Republic | 0.690 | 1.115 | 3.739 | 4.159 | 10.164 | 27.676 | 67.230 | 130.096 | 187.649 | 216.906 | 201.947 | 177.895 | 160.653 | 103.433 | 118.838 | 77.035 | 45.438 | 69.145 | 33.222 |
| Chad | 0.510 | 0.838 | 3.207 | 4.797 | 7.433 | 16.290 | 22.745 | 56.254 | 63.016 | 110.410 | 81.736 | 148.493 | 59.583 | 42.368 | 57.701 | 17.901 | 15.542 | 17.549 | 20.209 |
| Chile | 1.221 | 1.994 | 6.476 | 5.489 | 11.560 | 19.678 | 44.152 | 83.161 | 142.984 | 249.164 | 328.048 | 366.795 | 418.736 | 316.733 | 376.513 | 282.361 | 198.808 | 250.112 | 137.934 |
| China | 0.935 | 2.016 | 8.941 | 12.907 | 21.662 | 48.108 | 97.409 | 181.198 | 243.400 | 343.978 | 384.585 | 400.829 | 411.619 | 358.536 | 355.071 | 409.190 | 236.265 | 364.439 | 156.240 |
| Colombia | 1.831 | 3.150 | 10.894 | 9.009 | 13.029 | 21.164 | 37.204 | 65.412 | 106.223 | 173.465 | 183.446 | 217.173 | 199.793 | 97.904 | 130.671 | 71.532 | 62.819 | 65.229 | 37.420 |
| Comoros | 0.448 | 1.129 | 4.089 | 4.337 | 9.151 | 20.855 | 34.316 | 61.784 | 87.073 | 120.755 | 134.034 | 150.113 | 161.899 | 117.388 | 137.198 | 97.729 | 58.885 | 85.448 | 46.670 |
| Congo | 0.565 | 1.095 | 4.352 | 4.639 | 11.142 | 25.681 | 53.331 | 106.550 | 153.035 | 195.726 | 210.568 | 226.391 | 256.750 | 210.586 | 226.275 | 196.025 | 130.913 | 180.151 | 111.629 |
| Cook Islands | 0.493 | 1.244 | 9.607 | 10.519 | 17.223 | 63.623 | 91.705 | 132.996 | 243.806 | 347.155 | 487.078 | 311.381 | 243.496 | 256.144 | 149.783 | 396.320 | 42.850 | 386.245 | 1536.630 |
| Costa Rica | 1.667 | 2.744 | 9.333 | 7.989 | 9.089 | 15.636 | 26.881 | 41.491 | 70.113 | 102.048 | 105.742 | 111.092 | 101.876 | 125.521 | 141.295 | 127.450 | 70.757 | 109.891 | 114.151 |
| Croatia | 0.238 | 0.402 | 2.183 | 2.361 | 9.172 | 32.897 | 101.820 | 214.184 | 554.434 | 1236.464 | 1603.795 | 1501.479 | 1502.740 | 772.716 | 1034.382 | 479.942 | 266.575 | 418.907 | 97.764 |

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|---------------------------------------|-------|-------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|---------|----------|---------|
| Cuba | 0.982 | 1.898 | 6.676 | 7.012 | 14.264 | 27.861 | 86.327 | 182.628 | 312.309 | 437.163 | 387.519 | 395.247 | 314.218 | 204.477 | 236.535 | 200.609 | 126.958 | 170.993 | 127.252 |
| Cyprus | 0.340 | 0.495 | 2.249 | 2.273 | 4.101 | 16.297 | 27.864 | 87.540 | 217.692 | 437.220 | 712.112 | 1032.159 | 1406.062 | 1203.986 | 1383.735 | 978.654 | 539.221 | 886.386 | 271.718 |
| Czechia | 0.291 | 0.606 | 2.603 | 2.736 | 8.535 | 21.134 | 56.274 | 114.025 | 254.652 | 483.766 | 580.916 | 655.325 | 503.224 | 296.970 | 356.034 | 274.960 | 179.427 | 233.372 | 62.826 |
| Côte d'Ivoire | 0.621 | 1.105 | 4.144 | 5.815 | 9.173 | 19.392 | 27.310 | 69.827 | 72.208 | 145.715 | 88.630 | 209.157 | 90.235 | 76.731 | 102.691 | 35.082 | 29.709 | 33.903 | 35.487 |
| Democratic People's Republic of Korea | 1.488 | 2.740 | 11.343 | 12.803 | 25.269 | 53.701 | 128.720 | 235.494 | 327.681 | 429.074 | 343.946 | 314.330 | 254.077 | 124.937 | 143.172 | 96.810 | 70.067 | 90.079 | 76.984 |
| Democratic Republic of the Congo | 0.561 | 1.009 | 3.893 | 4.502 | 9.434 | 22.984 | 46.470 | 92.486 | 132.142 | 162.729 | 159.222 | 145.822 | 141.387 | 108.349 | 122.542 | 92.950 | 62.324 | 84.456 | 56.568 |
| Denmark | 0.347 | 0.753 | 2.782 | 3.287 | 7.221 | 23.530 | 63.964 | 166.009 | 419.372 | 873.564 | 1340.495 | 1984.563 | 2160.890 | 1533.005 | 1975.552 | 1320.006 | 704.690 | 1047.068 | 423.663 |
| Djibouti | 0.344 | 0.714 | 2.746 | 2.791 | 7.124 | 17.055 | 31.637 | 58.709 | 92.551 | 132.930 | 153.758 | 200.201 | 221.823 | 160.996 | 185.045 | 129.838 | 71.236 | 113.716 | 53.425 |
| Dominica | 1.565 | 2.799 | 11.520 | 10.599 | 21.551 | 34.865 | 78.461 | 160.904 | 273.889 | 273.550 | 300.606 | 437.545 | 505.870 | 444.552 | 495.082 | 428.209 | 299.752 | 376.976 | 145.569 |
| Dominican Republic | 0.921 | 2.145 | 8.834 | 10.552 | 17.040 | 36.256 | 64.269 | 119.425 | 144.682 | 208.965 | 171.267 | 186.507 | 164.875 | 127.071 | 138.765 | 131.786 | 78.411 | 112.357 | 43.753 |
| Ecuador | 2.488 | 4.269 | 14.036 | 11.397 | 15.435 | 21.694 | 36.631 | 56.262 | 83.780 | 122.290 | 132.778 | 154.574 | 169.484 | 224.060 | 190.469 | 237.665 | 350.757 | 270.485 | 376.484 |
| Egypt | 0.599 | 1.162 | 5.316 | 5.754 | 9.887 | 18.356 | 35.955 | 67.161 | 83.798 | 108.709 | 75.089 | 66.514 | 37.959 | 28.180 | 27.401 | 29.673 | 29.610 | 29.593 | 28.213 |
| El Salvador | 1.627 | 2.981 | 11.092 | 10.096 | 12.799 | 20.126 | 36.578 | 62.655 | 75.106 | 105.485 | 103.805 | 105.106 | 68.543 | 29.623 | 35.635 | 27.262 | 23.795 | 23.868 | 9.618 |
| Equatorial Guinea | 0.585 | 1.040 | 4.213 | 4.997 | 9.263 | 22.986 | 42.498 | 84.110 | 119.471 | 155.216 | 192.104 | 193.245 | 246.566 | 225.800 | 245.612 | 211.189 | 139.826 | 190.080 | 115.388 |
| Eritrea | 0.523 | 1.126 | 4.123 | 4.718 | 10.960 | 30.356 | 52.750 | 93.912 | 129.404 | 167.483 | 182.356 | 177.975 | 180.825 | 115.876 | 130.763 | 90.265 | 55.006 | 82.327 | 39.931 |
| Estonia | 0.577 | 1.128 | 4.116 | 4.032 | 11.055 | 18.473 | 51.744 | 100.169 | 214.919 | 316.178 | 250.629 | 413.243 | 359.146 | 280.379 | 364.056 | 179.259 | 197.503 | 181.940 | 136.016 |
| Eswatini | 0.657 | 1.018 | 3.907 | 3.761 | 12.209 | 42.946 | 116.973 | 284.846 | 503.340 | 643.988 | 877.127 | 869.140 | 790.548 | 596.223 | 674.670 | 470.634 | 245.038 | 413.953 | 104.348 |
| Ethiopia | 1.029 | 1.825 | 6.477 | 6.168 | 9.709 | 17.995 | 25.665 | 46.718 | 65.954 | 96.223 | 116.557 | 138.396 | 158.160 | 101.991 | 120.796 | 80.406 | 43.079 | 69.567 | 31.482 |
| Fiji | 1.662 | 2.462 | 12.407 | 7.706 | 10.615 | 35.222 | 33.991 | 60.844 | 80.085 | 221.833 | 252.329 | 212.392 | 133.378 | 149.255 | 111.841 | 273.773 | 21.153 | 224.861 | 109.609 |
| Finland | 0.345 | 0.737 | 2.520 | 2.287 | 5.551 | 11.609 | 30.167 | 77.381 | 183.806 | 482.418 | 912.632 | 1232.190 | 1294.064 | 961.974 | 1205.899 | 888.331 | 508.941 | 717.993 | 301.381 |
| France | 0.285 | 0.679 | 2.958 | 3.324 | 11.393 | 35.286 | 138.401 | 361.186 | 805.862 | 1234.455 | 1472.561 | 1735.285 | 1626.469 | 1170.333 | 1427.765 | 1121.469 | 761.878 | 955.610 | 513.351 |
| Gabon | 0.441 | 0.798 | 3.017 | 3.335 | 8.466 | 19.635 | 46.208 | 91.943 | 162.571 | 209.772 | 256.232 | 278.303 | 304.982 | 245.473 | 269.400 | 228.671 | 154.614 | 207.251 | 132.476 |
| Gambia | 0.412 | 0.770 | 2.475 | 2.954 | 5.708 | 14.799 | 16.393 | 41.124 | 51.682 | 92.437 | 59.463 | 122.668 | 51.302 | 46.935 | 58.420 | 24.609 | 23.168 | 24.442 | 27.437 |
| Georgia | 1.209 | 2.310 | 13.198 | 12.542 | 30.312 | 75.759 | 216.973 | 367.769 | 669.981 | 653.893 | 721.119 | 646.217 | 438.127 | 172.281 | 244.601 | 126.105 | 46.134 | 91.020 | 24.526 |

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|----------------------------|-------|-------|--------|--------|--------|--------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|
| Germany | 0.344 | 0.797 | 2.852 | 3.339 | 7.621 | 22.317 | 68.653 | 158.315 | 332.159 | 639.966 | 1033.111 | 1496.515 | 1511.622 | 1147.606 | 1330.479 | 1084.952 | 606.035 | 898.760 | 315.418 |
| Ghana | 0.650 | 1.226 | 5.037 | 7.095 | 11.787 | 24.332 | 26.536 | 62.885 | 68.266 | 121.860 | 73.006 | 150.281 | 57.154 | 64.794 | 77.260 | 40.257 | 46.972 | 43.023 | 67.558 |
| Greece | 0.276 | 0.577 | 4.531 | 2.421 | 9.950 | 23.418 | 45.620 | 114.013 | 276.382 | 532.087 | 799.851 | 854.582 | 731.421 | 627.491 | 719.920 | 588.591 | 384.740 | 530.878 | 505.106 |
| Greenland | 0.113 | 0.267 | 2.119 | 4.604 | 20.530 | 55.806 | 158.784 | 354.116 | 777.762 | 1493.018 | 2294.182 | 3573.452 | 4266.563 | 2587.486 | 3164.389 | 2057.538 | 1241.124 | 1803.597 | 408.808 |
| Grenada | 1.144 | 2.691 | 6.528 | 8.622 | 19.046 | 31.218 | 71.659 | 124.051 | 200.385 | 237.526 | 231.388 | 274.242 | 221.446 | 149.880 | 174.784 | 121.555 | 102.047 | 114.240 | 102.941 |
| Guam | 1.026 | 1.400 | 11.406 | 13.491 | 21.887 | 68.811 | 73.579 | 140.924 | 185.739 | 408.067 | 473.401 | 343.414 | 158.904 | 229.416 | 138.592 | 360.292 | 13.579 | 320.022 | 869.304 |
| Guatemala | 2.000 | 3.396 | 12.744 | 11.281 | 12.172 | 19.418 | 26.555 | 43.694 | 59.210 | 85.405 | 93.302 | 92.229 | 65.403 | 61.817 | 53.909 | 88.072 | 45.708 | 78.743 | 25.627 |
| Guinea | 0.348 | 0.611 | 2.446 | 3.845 | 7.297 | 20.438 | 27.320 | 61.255 | 67.349 | 112.168 | 65.619 | 148.276 | 57.879 | 44.963 | 63.730 | 20.834 | 18.798 | 20.497 | 24.018 |
| Guinea-Bissau | 0.665 | 1.174 | 4.462 | 6.916 | 11.784 | 28.503 | 37.436 | 89.779 | 101.578 | 190.325 | 106.811 | 253.512 | 88.491 | 69.190 | 89.536 | 32.650 | 25.641 | 30.926 | 27.459 |
| Guyana | 0.856 | 5.943 | 9.794 | 10.748 | 23.743 | 40.725 | 71.044 | 126.855 | 167.965 | 154.763 | 137.854 | 180.851 | 150.420 | 117.455 | 131.799 | 101.056 | 89.718 | 96.567 | 78.710 |
| Haiti | 0.906 | 3.675 | 7.351 | 7.035 | 15.706 | 31.601 | 59.086 | 119.490 | 181.133 | 187.051 | 197.954 | 264.260 | 294.894 | 241.730 | 264.735 | 227.273 | 138.638 | 201.700 | 93.719 |
| Honduras | 0.967 | 1.657 | 7.568 | 9.463 | 15.516 | 41.615 | 89.064 | 181.974 | 278.700 | 392.296 | 428.687 | 463.415 | 406.124 | 301.116 | 338.903 | 253.471 | 200.553 | 235.564 | 130.352 |
| Hungary | 0.386 | 0.719 | 3.788 | 4.590 | 14.214 | 38.957 | 116.846 | 270.624 | 518.485 | 763.892 | 718.639 | 626.142 | 542.272 | 179.663 | 249.140 | 120.160 | 64.469 | 100.007 | 42.895 |
| Iceland | 0.386 | 0.882 | 3.520 | 4.061 | 10.566 | 30.531 | 68.173 | 153.966 | 306.693 | 529.558 | 829.119 | 1171.611 | 1281.549 | 890.331 | 1146.132 | 831.120 | 488.753 | 677.527 | 355.975 |
| India | 0.327 | 0.773 | 3.848 | 4.675 | 10.192 | 21.682 | 42.019 | 75.718 | 111.149 | 130.854 | 146.820 | 159.660 | 163.786 | 138.767 | 159.972 | 112.535 | 72.144 | 101.403 | 57.696 |
| Indonesia | 1.349 | 2.305 | 8.832 | 8.092 | 17.629 | 36.807 | 71.920 | 140.177 | 224.866 | 278.237 | 269.933 | 210.778 | 273.972 | 216.346 | 221.449 | 234.374 | 126.418 | 207.103 | 116.882 |
| Iran (Islamic Republic of) | 0.986 | 1.594 | 6.104 | 5.645 | 9.519 | 17.196 | 31.497 | 56.565 | 71.929 | 103.966 | 79.955 | 77.289 | 66.643 | 47.369 | 46.472 | 49.488 | 46.409 | 48.502 | 44.364 |
| Iraq | 0.820 | 1.522 | 5.918 | 6.129 | 10.684 | 25.620 | 61.993 | 115.649 | 146.863 | 285.618 | 295.590 | 347.834 | 276.798 | 331.990 | 307.815 | 426.591 | 227.184 | 367.458 | 281.249 |
| Ireland | 0.262 | 1.583 | 2.728 | 2.086 | 8.335 | 14.502 | 31.007 | 78.601 | 165.086 | 431.245 | 700.759 | 1092.696 | 1259.609 | 1004.073 | 1251.960 | 924.388 | 407.911 | 720.938 | 135.354 |
| Israel | 0.422 | 0.780 | 3.425 | 3.505 | 7.730 | 18.138 | 47.803 | 115.749 | 205.043 | 291.067 | 411.675 | 509.776 | 614.458 | 447.212 | 519.567 | 422.606 | 300.260 | 371.749 | 263.174 |
| Italy | 0.340 | 0.745 | 2.719 | 2.631 | 7.741 | 18.463 | 53.779 | 132.793 | 289.387 | 660.580 | 1169.786 | 1664.847 | 1789.047 | 1353.309 | 1667.404 | 1262.344 | 703.237 | 1037.993 | 437.067 |
| Jamaica | 0.816 | 1.823 | 9.423 | 11.015 | 18.361 | 33.623 | 81.098 | 159.488 | 247.257 | 279.698 | 279.247 | 389.589 | 336.434 | 146.880 | 216.674 | 119.974 | 53.702 | 89.106 | 49.391 |
| Japan | 0.275 | 0.589 | 2.551 | 2.575 | 6.283 | 12.874 | 32.925 | 69.146 | 130.653 | 293.071 | 524.655 | 733.706 | 916.700 | 958.664 | 1010.905 | 1043.242 | 764.001 | 913.426 | 634.202 |
| Jordan | 0.581 | 1.080 | 3.883 | 3.863 | 6.850 | 14.569 | 36.790 | 67.637 | 96.420 | 160.606 | 194.895 | 265.848 | 308.325 | 298.250 | 290.203 | 304.736 | 343.160 | 313.735 | 313.996 |

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|----------------------------------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---------|----------|
| Kazakhstan | 0.921 | 2.731 | 7.828 | 8.440 | 19.784 | 41.504 | 79.200 | 156.701 | 295.951 | 467.896 | 532.869 | 366.114 | 284.946 | 144.539 | 168.922 | 107.261 | 66.127 | 92.363 | 10.697 |
| Kenya | 0.643 | 1.298 | 4.726 | 5.167 | 9.429 | 20.788 | 33.058 | 58.932 | 84.888 | 117.044 | 133.380 | 153.345 | 167.206 | 115.474 | 133.513 | 96.977 | 58.602 | 85.255 | 44.011 |
| Kiribati | 0.874 | 1.482 | 10.602 | 8.316 | 13.043 | 47.354 | 45.415 | 82.222 | 103.345 | 189.363 | 142.511 | 97.438 | 68.563 | 69.847 | 51.506 | 105.667 | 55.156 | 112.748 | 732.379 |
| Kuwait | 0.818 | 1.177 | 3.377 | 3.173 | 4.799 | 13.335 | 21.222 | 48.539 | 78.059 | 111.492 | 132.238 | 381.360 | 220.677 | 406.957 | 452.607 | 406.592 | 277.123 | 366.500 | 343.077 |
| Kyrgyzstan | 0.745 | 1.322 | 5.835 | 6.499 | 9.333 | 21.315 | 41.341 | 77.262 | 129.321 | 210.201 | 223.643 | 128.478 | 99.783 | 23.294 | 33.855 | 9.569 | 7.154 | 8.612 | 3.093 |
| Lao People's Democratic Republic | 1.470 | 2.958 | 11.730 | 12.261 | 20.649 | 47.381 | 79.785 | 157.797 | 243.133 | 299.670 | 258.692 | 204.824 | 234.730 | 162.264 | 179.353 | 159.412 | 70.833 | 133.783 | 65.102 |
| Latvia | 0.431 | 0.926 | 3.841 | 4.013 | 10.397 | 18.317 | 61.469 | 119.279 | 231.028 | 342.066 | 314.093 | 307.035 | 374.085 | 159.741 | 203.119 | 132.262 | 52.247 | 105.890 | 36.783 |
| Lebanon | 1.283 | 2.279 | 7.681 | 8.012 | 13.733 | 33.692 | 79.199 | 136.056 | 163.696 | 221.517 | 229.327 | 186.299 | 110.903 | 63.617 | 62.738 | 63.132 | 67.457 | 64.839 | 76.401 |
| Lesotho | 0.812 | 1.264 | 5.027 | 5.538 | 19.332 | 69.761 | 190.903 | 473.143 | 833.418 | 987.145 | 1115.343 | 1091.692 | 938.998 | 599.557 | 698.527 | 461.471 | 252.407 | 405.878 | 105.116 |
| Liberia | 0.551 | 1.079 | 4.012 | 5.095 | 8.592 | 16.430 | 23.041 | 53.036 | 58.074 | 96.238 | 71.387 | 118.243 | 54.232 | 47.788 | 63.596 | 26.422 | 22.070 | 25.384 | 26.918 |
| Libya | 0.712 | 1.300 | 4.961 | 5.058 | 14.100 | 29.184 | 63.733 | 110.033 | 121.594 | 198.332 | 159.200 | 165.237 | 107.533 | 74.603 | 69.133 | 83.873 | 76.879 | 80.935 | 69.669 |
| Lithuania | 0.442 | 0.739 | 3.728 | 3.592 | 10.462 | 19.861 | 53.268 | 87.575 | 187.367 | 262.382 | 304.756 | 281.603 | 274.451 | 138.220 | 182.611 | 94.765 | 55.986 | 83.485 | 67.731 |
| Luxembourg | 0.453 | 0.941 | 3.536 | 3.379 | 8.907 | 20.335 | 55.720 | 147.113 | 286.073 | 664.133 | 1021.446 | 1478.855 | 1618.683 | 1145.376 | 1427.571 | 1070.585 | 602.744 | 875.429 | 333.619 |
| Madagascar | 0.423 | 0.910 | 3.590 | 4.090 | 8.039 | 19.957 | 29.199 | 52.541 | 74.873 | 96.122 | 96.104 | 97.596 | 91.577 | 59.959 | 69.810 | 48.604 | 30.330 | 43.474 | 27.455 |
| Malawi | 0.585 | 1.179 | 3.869 | 3.899 | 6.828 | 15.225 | 23.863 | 45.563 | 64.930 | 91.586 | 111.916 | 120.472 | 136.039 | 85.368 | 103.552 | 65.590 | 42.361 | 57.961 | 38.276 |
| Malaysia | 1.486 | 2.877 | 10.758 | 11.352 | 20.123 | 38.560 | 68.302 | 114.294 | 176.273 | 226.655 | 238.662 | 201.890 | 194.371 | 206.838 | 211.439 | 237.512 | 119.101 | 199.588 | 113.723 |
| Maldives | 0.668 | 2.570 | 8.100 | 6.967 | 12.222 | 22.287 | 36.256 | 62.595 | 100.161 | 96.495 | 93.681 | 90.312 | 282.497 | 434.839 | 392.828 | 529.743 | 414.642 | 493.937 | 361.445 |
| Mali | 0.350 | 0.587 | 2.266 | 2.947 | 5.626 | 14.689 | 16.767 | 37.327 | 46.087 | 68.493 | 47.967 | 78.146 | 31.283 | 28.542 | 38.719 | 12.849 | 11.775 | 12.711 | 15.094 |
| Malta | 0.455 | 0.814 | 3.201 | 3.157 | 9.206 | 24.123 | 53.340 | 124.870 | 295.216 | 589.883 | 935.598 | 1348.989 | 1460.642 | 1015.012 | 1279.935 | 881.707 | 478.546 | 716.067 | 290.349 |
| Marshall Islands | 1.048 | 2.171 | 14.347 | 14.626 | 21.843 | 99.412 | 81.972 | 148.917 | 196.925 | 599.853 | 760.340 | 570.674 | 342.947 | 429.945 | 320.145 | 763.825 | 60.216 | 651.169 | 1468.652 |
| Mauritania | 0.293 | 0.551 | 2.232 | 3.257 | 5.285 | 12.410 | 15.240 | 35.283 | 44.596 | 72.886 | 54.814 | 114.910 | 56.115 | 59.186 | 77.239 | 34.230 | 29.723 | 33.288 | 34.384 |
| Mauritius | 1.435 | 2.014 | 9.463 | 5.855 | 13.601 | 21.284 | 35.886 | 61.493 | 98.381 | 118.900 | 121.691 | 86.805 | 113.560 | 53.161 | 67.634 | 53.559 | 7.709 | 36.880 | 9.158 |
| Mexico | 1.934 | 3.232 | 10.416 | 8.783 | 12.634 | 21.914 | 39.414 | 73.564 | 114.864 | 180.137 | 227.347 | 271.182 | 274.984 | 169.253 | 199.171 | 149.682 | 106.229 | 131.923 | 64.075 |
| Micronesia (Federated States of) | 1.226 | 2.767 | 18.738 | 20.075 | 24.479 | 96.149 | 125.521 | 218.868 | 316.787 | 763.967 | 841.595 | 681.373 | 383.363 | 400.538 | 310.999 | 640.290 | 79.240 | 548.998 | 1213.060 |

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|--------------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Monaco | 0.881 | 2.025 | 8.758 | 10.111 | 27.590 | 66.386 | 179.879 | 380.309 | 793.537 | 1448.976 | 2155.381 | 2932.357 | 3206.129 | 2352.576 | 2985.094 | 2136.136 | 1414.266 | 1771.609 | 925.352 |
| Mongolia | 0.676 | 1.344 | 6.117 | 6.476 | 10.014 | 34.428 | 76.240 | 149.334 | 313.591 | 419.090 | 576.821 | 199.168 | 257.215 | 160.515 | 173.884 | 141.569 | 58.781 | 131.715 | 38.736 |
| Montenegro | 0.317 | 0.800 | 4.193 | 4.892 | 14.406 | 36.960 | 93.309 | 185.983 | 316.746 | 422.191 | 425.601 | 366.521 | 282.452 | 147.441 | 172.738 | 114.459 | 62.619 | 100.714 | 35.649 |
| Morocco | 0.357 | 0.569 | 2.366 | 3.412 | 8.492 | 24.132 | 62.079 | 120.327 | 174.916 | 225.588 | 165.611 | 128.149 | 65.915 | 47.335 | 44.199 | 49.452 | 56.269 | 52.145 | 65.942 |
| Mozambique | 0.460 | 0.976 | 3.503 | 3.966 | 8.629 | 20.780 | 34.762 | 64.959 | 97.201 | 135.311 | 157.469 | 179.441 | 223.716 | 148.460 | 174.510 | 120.902 | 67.489 | 103.761 | 48.989 |
| Myanmar | 1.339 | 2.742 | 9.730 | 9.434 | 17.695 | 38.111 | 71.834 | 147.050 | 241.539 | 261.498 | 238.685 | 192.957 | 276.699 | 200.840 | 225.001 | 200.501 | 93.137 | 167.338 | 79.681 |
| Namibia | 0.405 | 0.640 | 2.385 | 2.256 | 6.071 | 20.292 | 50.333 | 121.052 | 236.983 | 343.823 | 509.340 | 633.839 | 652.198 | 435.771 | 527.499 | 354.131 | 172.487 | 293.690 | 73.171 |
| Nauru | 1.577 | 3.131 | 22.541 | 22.142 | 33.673 | 135.473 | 142.243 | 265.868 | 305.245 | 689.273 | 605.627 | 486.370 | 306.293 | 501.385 | 391.732 | 865.777 | 72.371 | 701.393 | 1238.209 |
| Nepal | 0.482 | 0.861 | 3.706 | 4.339 | 8.521 | 21.833 | 37.421 | 73.974 | 105.003 | 137.928 | 158.212 | 173.783 | 181.809 | 144.685 | 161.099 | 132.798 | 73.121 | 115.189 | 49.045 |
| Netherlands | 0.389 | 0.779 | 2.996 | 3.460 | 9.861 | 27.519 | 80.443 | 197.840 | 482.538 | 1073.974 | 1836.240 | 2592.337 | 2746.116 | 2097.721 | 2547.454 | 1909.432 | 1166.634 | 1615.502 | 829.383 |
| New Zealand | 0.416 | 0.777 | 3.533 | 3.571 | 6.742 | 18.855 | 54.287 | 131.821 | 270.468 | 627.212 | 989.777 | 1407.395 | 1570.207 | 1206.066 | 1502.695 | 1140.353 | 679.474 | 911.639 | 173.396 |
| Nicaragua | 1.856 | 2.558 | 6.484 | 5.482 | 6.614 | 12.823 | 22.074 | 40.981 | 61.507 | 100.869 | 107.336 | 124.630 | 102.956 | 94.435 | 125.510 | 55.495 | 22.195 | 45.582 | 14.989 |
| Niger | 0.484 | 0.815 | 3.222 | 4.988 | 6.941 | 15.822 | 18.341 | 44.988 | 57.202 | 92.049 | 64.014 | 99.843 | 48.419 | 36.421 | 47.487 | 16.035 | 14.977 | 15.871 | 17.925 |
| Nigeria | 0.314 | 0.621 | 2.432 | 2.736 | 5.201 | 10.737 | 12.983 | 25.894 | 31.176 | 49.753 | 40.720 | 78.173 | 42.022 | 39.835 | 51.983 | 20.770 | 20.679 | 21.297 | 28.760 |
| Niue | 1.126 | 1.843 | 11.298 | 9.078 | 16.211 | 57.887 | 76.375 | 133.114 | 207.643 | 440.900 | 490.350 | 364.166 | 242.779 | 235.653 | 182.047 | 346.653 | 59.010 | 304.045 | 869.454 |
| North Macedonia | 0.330 | 0.575 | 4.020 | 4.482 | 12.143 | 31.859 | 90.301 | 150.407 | 268.328 | 284.637 | 228.100 | 185.858 | 121.867 | 68.485 | 63.333 | 89.582 | 24.829 | 79.590 | 11.529 |
| Northern Mariana Islands | 0.953 | 1.601 | 12.883 | 11.807 | 23.256 | 53.722 | 145.594 | 177.189 | 299.740 | 433.891 | 619.422 | 423.492 | 317.456 | 329.202 | 182.585 | 507.278 | 46.921 | 524.810 | 2419.632 |
| Norway | 0.282 | 0.789 | 2.445 | 3.143 | 7.558 | 16.084 | 48.086 | 107.689 | 217.535 | 544.752 | 852.753 | 1349.774 | 1539.550 | 1101.993 | 1436.909 | 1021.302 | 570.561 | 806.570 | 326.442 |
| Oman | 0.709 | 7.525 | 7.815 | 5.111 | 5.080 | 16.948 | 26.863 | 53.251 | 92.842 | 227.272 | 332.351 | 423.441 | 396.510 | 277.606 | 250.757 | 367.134 | 267.569 | 329.404 | 139.980 |
| Pakistan | 0.640 | 1.362 | 6.424 | 8.449 | 18.765 | 52.420 | 89.008 | 173.727 | 216.799 | 310.028 | 266.535 | 249.166 | 193.154 | 150.363 | 171.524 | 126.729 | 76.892 | 112.803 | 72.706 |
| Palau | 0.349 | 0.790 | 10.924 | 12.950 | 27.596 | 102.154 | 141.664 | 229.051 | 287.870 | 498.825 | 535.516 | 428.791 | 216.589 | 249.074 | 173.830 | 373.642 | 84.764 | 349.578 | 1414.849 |
| Palestine | 0.651 | 1.222 | 5.847 | 6.682 | 12.488 | 26.558 | 60.313 | 112.787 | 134.523 | 212.583 | 158.200 | 181.178 | 91.688 | 45.323 | 42.010 | 43.765 | 79.941 | 50.056 | 12.581 |
| Panama | 2.144 | 3.070 | 10.672 | 7.748 | 10.763 | 17.719 | 34.601 | 62.924 | 79.762 | 112.098 | 115.526 | 135.390 | 137.843 | 106.466 | 144.178 | 86.900 | 45.718 | 67.441 | 28.125 |
| Papua New Guinea | 0.688 | 1.000 | 6.444 | 5.972 | 9.591 | 50.186 | 47.053 | 93.600 | 116.874 | 338.233 | 420.702 | 315.476 | 166.035 | 153.901 | 119.619 | 247.726 | 18.724 | 212.049 | 606.097 |

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|----------------------------------|-------|-------|--------|--------|--------|--------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|----------|---------|
| Paraguay | 1.608 | 2.611 | 8.766 | 8.024 | 12.773 | 28.970 | 53.543 | 123.515 | 206.625 | 248.449 | 226.514 | 217.451 | 280.621 | 213.314 | 256.925 | 209.791 | 115.456 | 165.870 | 76.184 |
| Peru | 1.958 | 3.255 | 12.275 | 10.405 | 15.411 | 26.010 | 40.850 | 73.003 | 96.610 | 140.963 | 155.897 | 191.029 | 196.028 | 157.341 | 171.498 | 169.007 | 110.764 | 143.416 | 71.468 |
| Philippines | 1.231 | 2.450 | 11.511 | 11.572 | 20.269 | 37.844 | 71.145 | 125.261 | 196.263 | 226.497 | 202.391 | 144.589 | 146.431 | 78.103 | 88.050 | 67.143 | 49.793 | 62.341 | 59.243 |
| Poland | 0.300 | 0.606 | 2.821 | 2.959 | 10.803 | 32.929 | 97.432 | 236.129 | 523.716 | 983.422 | 1183.658 | 1121.692 | 995.418 | 474.978 | 632.684 | 361.435 | 208.742 | 302.566 | 63.579 |
| Portugal | 0.428 | 0.851 | 3.204 | 3.177 | 9.987 | 28.127 | 68.292 | 147.375 | 265.646 | 317.820 | 376.614 | 494.879 | 485.574 | 329.421 | 384.891 | 298.335 | 217.457 | 270.023 | 206.324 |
| Puerto Rico | 0.268 | 0.577 | 2.426 | 2.061 | 3.795 | 8.553 | 23.701 | 50.130 | 93.097 | 77.604 | 79.641 | 121.150 | 159.145 | 185.129 | 197.746 | 209.683 | 129.335 | 172.795 | 110.047 |
| Qatar | 0.910 | 1.544 | 5.197 | 5.646 | 7.737 | 17.098 | 45.557 | 80.018 | 113.247 | 277.955 | 252.266 | 354.348 | 153.704 | 205.408 | 178.725 | 328.232 | 165.040 | 301.124 | 92.195 |
| Republic of Korea | 0.341 | 0.659 | 2.626 | 2.694 | 6.746 | 11.486 | 28.080 | 53.433 | 107.010 | 191.146 | 239.824 | 402.741 | 515.357 | 509.266 | 546.191 | 472.774 | 416.646 | 456.280 | 422.974 |
| Republic of Moldova | 0.271 | 0.469 | 2.665 | 2.615 | 7.764 | 15.315 | 43.650 | 73.740 | 129.464 | 111.262 | 126.593 | 67.890 | 34.999 | 15.237 | 21.178 | 7.672 | 7.254 | 7.186 | 3.488 |
| Romania | 0.356 | 0.693 | 4.272 | 5.063 | 13.954 | 39.542 | 112.160 | 239.330 | 367.637 | 454.522 | 478.924 | 366.403 | 218.082 | 85.348 | 113.767 | 54.617 | 32.145 | 47.210 | 18.513 |
| Russian Federation | 0.344 | 0.719 | 4.118 | 4.824 | 16.681 | 31.094 | 67.557 | 128.933 | 250.642 | 333.492 | 330.614 | 351.079 | 286.860 | 156.794 | 195.713 | 109.311 | 84.215 | 99.715 | 65.382 |
| Rwanda | 0.430 | 0.948 | 3.500 | 3.954 | 8.029 | 20.416 | 30.451 | 60.842 | 98.710 | 130.195 | 156.745 | 186.168 | 211.007 | 150.270 | 172.240 | 126.834 | 76.732 | 112.107 | 55.475 |
| Saint Kitts and Nevis | 0.972 | 1.835 | 5.475 | 5.007 | 11.986 | 25.307 | 74.460 | 169.201 | 302.496 | 306.978 | 324.761 | 456.569 | 522.432 | 342.251 | 417.665 | 298.155 | 135.646 | 237.049 | 66.085 |
| Saint Lucia | 0.819 | 2.098 | 7.002 | 6.878 | 14.938 | 31.229 | 67.631 | 108.333 | 139.636 | 163.650 | 129.197 | 170.160 | 136.524 | 130.352 | 124.093 | 139.222 | 138.555 | 138.292 | 126.157 |
| Saint Vincent and the Grenadines | 1.064 | 1.925 | 7.575 | 5.884 | 12.926 | 25.466 | 66.089 | 108.200 | 141.623 | 135.337 | 117.406 | 144.281 | 167.134 | 145.516 | 152.126 | 146.772 | 110.548 | 135.317 | 71.426 |
| Samoa | 0.491 | 1.006 | 5.126 | 4.396 | 7.071 | 24.630 | 31.616 | 61.439 | 73.749 | 179.326 | 216.044 | 158.469 | 89.201 | 89.611 | 66.720 | 141.692 | 26.864 | 121.777 | 301.010 |
| San Marino | 0.628 | 1.387 | 5.053 | 4.789 | 11.852 | 27.428 | 76.945 | 171.236 | 341.852 | 711.449 | 1141.788 | 1668.552 | 1858.791 | 1491.941 | 1765.099 | 1435.282 | 984.530 | 1234.713 | 755.163 |
| Sao Tome and Principe | 0.422 | 0.735 | 3.387 | 5.850 | 9.572 | 18.971 | 26.657 | 66.391 | 80.789 | 140.772 | 94.625 | 201.143 | 86.861 | 83.765 | 105.021 | 49.217 | 48.397 | 49.564 | 59.881 |
| Saudi Arabia | 0.450 | 1.164 | 4.700 | 4.230 | 9.019 | 16.068 | 25.878 | 44.434 | 47.942 | 82.723 | 64.857 | 80.836 | 35.238 | 19.775 | 20.625 | 19.229 | 17.998 | 18.701 | 16.864 |
| Senegal | 0.484 | 0.918 | 3.409 | 4.880 | 7.438 | 16.876 | 22.244 | 55.143 | 69.352 | 139.579 | 81.589 | 226.585 | 99.843 | 86.497 | 116.001 | 43.292 | 33.813 | 40.660 | 36.747 |
| Serbia | 0.254 | 0.531 | 2.988 | 3.766 | 13.239 | 39.796 | 116.348 | 255.011 | 484.736 | 708.180 | 797.062 | 510.320 | 343.777 | 194.091 | 228.293 | 135.206 | 31.966 | 116.011 | 12.332 |
| Seychelles | 1.470 | 3.932 | 15.172 | 13.960 | 22.633 | 47.670 | 89.609 | 135.016 | 204.830 | 226.580 | 204.131 | 148.463 | 233.351 | 156.112 | 171.481 | 155.903 | 95.946 | 136.906 | 98.369 |
| Sierra Leone | 0.496 | 0.853 | 3.469 | 5.092 | 8.221 | 18.420 | 22.475 | 54.522 | 60.296 | 104.512 | 76.230 | 130.980 | 60.460 | 50.716 | 66.817 | 22.677 | 20.573 | 22.323 | 25.325 |
| Singapore | 0.525 | 0.713 | 2.618 | 2.041 | 5.288 | 13.209 | 20.522 | 44.014 | 89.046 | 189.756 | 277.814 | 626.157 | 831.806 | 725.338 | 849.104 | 693.045 | 448.241 | 588.355 | 283.119 |

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|----------------------------|-------|--------|--------|--------|--------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|---------|---------|---------|----------|
| Slovakia | 0.346 | 0.685 | 2.902 | 2.857 | 8.709 | 23.266 | 63.079 | 126.502 | 247.716 | 401.938 | 445.603 | 355.830 | 254.459 | 131.612 | 173.493 | 98.288 | 53.569 | 81.178 | 13.071 |
| Slovenia | 0.313 | 0.550 | 2.389 | 3.378 | 11.586 | 27.574 | 92.112 | 217.356 | 500.536 | 945.590 | 1210.657 | 1169.926 | 1150.855 | 655.300 | 934.107 | 455.700 | 263.587 | 375.753 | 132.413 |
| Solomon Islands | 2.145 | 4.618 | 29.022 | 26.397 | 39.071 | 161.330 | 160.278 | 298.745 | 338.067 | 702.668 | 759.311 | 539.439 | 294.771 | 248.240 | 201.962 | 416.422 | 23.030 | 373.423 | 1283.245 |
| Somalia | 0.474 | 0.922 | 3.169 | 3.498 | 8.552 | 24.285 | 35.079 | 69.787 | 96.135 | 119.031 | 124.984 | 118.720 | 104.943 | 65.260 | 75.139 | 47.857 | 29.015 | 43.215 | 20.425 |
| South Africa | 0.294 | 0.784 | 4.005 | 4.253 | 8.660 | 21.282 | 52.458 | 143.750 | 299.781 | 419.505 | 613.959 | 714.722 | 692.251 | 663.693 | 764.714 | 593.115 | 348.977 | 517.634 | 184.639 |
| South Sudan | 0.350 | 0.660 | 2.665 | 2.858 | 6.706 | 15.619 | 27.469 | 51.334 | 72.594 | 105.022 | 111.784 | 122.924 | 132.443 | 81.322 | 99.406 | 63.807 | 37.672 | 54.280 | 29.714 |
| Spain | 0.325 | 0.576 | 2.358 | 2.277 | 7.047 | 19.999 | 59.175 | 148.408 | 293.424 | 536.362 | 758.099 | 1001.180 | 1085.869 | 730.245 | 910.104 | 676.289 | 410.183 | 569.824 | 270.822 |
| Sri Lanka | 0.933 | 1.861 | 7.704 | 6.427 | 13.086 | 25.644 | 53.880 | 88.035 | 130.740 | 120.511 | 127.539 | 111.079 | 116.470 | 115.271 | 103.125 | 142.422 | 107.285 | 133.501 | 130.559 |
| Sudan | 0.978 | 1.761 | 6.578 | 6.454 | 9.811 | 17.851 | 31.316 | 54.208 | 64.126 | 97.659 | 86.720 | 75.077 | 48.144 | 26.617 | 27.512 | 27.665 | 21.061 | 25.315 | 19.675 |
| Suriname | 1.161 | 2.851 | 8.815 | 8.335 | 19.604 | 33.844 | 69.638 | 131.091 | 177.056 | 208.714 | 172.452 | 194.818 | 186.048 | 133.859 | 156.635 | 129.095 | 68.084 | 105.149 | 51.249 |
| Sweden | 0.349 | 0.666 | 2.632 | 2.591 | 6.450 | 10.447 | 28.110 | 56.325 | 130.392 | 302.909 | 622.852 | 937.230 | 1165.395 | 768.077 | 974.887 | 664.925 | 444.943 | 563.552 | 342.978 |
| Switzerland | 0.309 | 0.642 | 2.496 | 2.714 | 6.425 | 21.465 | 48.875 | 132.254 | 311.685 | 635.917 | 1053.692 | 1345.612 | 1418.678 | 1009.988 | 1311.225 | 903.475 | 521.766 | 732.619 | 347.119 |
| Syrian Arab Republic | 1.322 | 2.138 | 8.593 | 5.396 | 15.099 | 23.754 | 45.954 | 68.343 | 91.112 | 132.862 | 91.742 | 74.058 | 56.552 | 54.311 | 49.593 | 71.748 | 22.637 | 63.478 | 14.555 |
| Taiwan (Province of China) | 0.832 | 1.630 | 11.104 | 9.298 | 28.109 | 54.663 | 94.288 | 143.157 | 242.022 | 311.985 | 348.022 | 429.883 | 336.252 | 286.497 | 344.025 | 282.853 | 113.776 | 227.116 | 220.710 |
| Tajikistan | 0.685 | 11.436 | 11.681 | 7.798 | 14.705 | 23.596 | 44.771 | 57.571 | 84.377 | 126.140 | 115.724 | 113.613 | 86.837 | 52.141 | 63.147 | 33.194 | 25.521 | 30.326 | 15.834 |
| Thailand | 1.081 | 2.914 | 16.374 | 17.791 | 36.394 | 59.420 | 98.643 | 148.163 | 203.106 | 195.422 | 172.861 | 144.059 | 313.056 | 243.381 | 288.354 | 205.828 | 163.273 | 191.643 | 178.270 |
| Timor-Leste | 1.088 | 2.009 | 7.772 | 7.871 | 14.207 | 29.486 | 61.912 | 120.848 | 191.759 | 207.872 | 236.876 | 164.868 | 221.328 | 179.849 | 189.182 | 186.819 | 91.057 | 164.536 | 82.929 |
| Togo | 0.587 | 1.070 | 4.006 | 5.616 | 8.902 | 19.460 | 27.493 | 68.687 | 74.838 | 136.989 | 88.095 | 160.453 | 73.866 | 65.603 | 86.112 | 29.891 | 26.284 | 29.247 | 32.413 |
| Tokelau | 0.813 | 1.868 | 12.269 | 10.551 | 15.518 | 45.346 | 67.010 | 111.557 | 149.027 | 281.253 | 394.043 | 302.192 | 164.930 | 195.521 | 140.541 | 309.351 | 50.633 | 291.732 | 1154.650 |
| Tonga | 0.446 | 0.759 | 5.517 | 5.295 | 9.576 | 42.178 | 54.669 | 104.161 | 125.925 | 322.473 | 486.986 | 401.170 | 237.007 | 235.752 | 169.846 | 370.177 | 42.942 | 315.064 | 735.963 |
| Trinidad and Tobago | 0.959 | 2.228 | 9.108 | 8.349 | 13.601 | 27.202 | 58.363 | 96.492 | 127.127 | 152.009 | 128.563 | 186.517 | 153.745 | 58.040 | 76.090 | 47.948 | 25.064 | 37.007 | 8.110 |
| Tunisia | 0.362 | 0.734 | 3.406 | 4.501 | 12.012 | 29.019 | 65.384 | 111.215 | 168.425 | 229.040 | 179.598 | 146.824 | 71.282 | 69.363 | 60.790 | 84.657 | 75.818 | 81.022 | 58.735 |
| Turkey | 0.778 | 1.422 | 6.192 | 7.444 | 21.400 | 67.344 | 154.635 | 373.011 | 663.586 | 1038.228 | 1149.023 | 1499.346 | 1130.972 | 646.265 | 745.154 | 608.263 | 401.135 | 530.368 | 270.286 |
| Turkmenistan | 1.314 | 9.682 | 16.353 | 8.340 | 42.964 | 41.003 | 51.493 | 85.929 | 114.213 | 149.498 | 121.732 | 89.106 | 64.750 | 28.907 | 40.925 | 14.412 | 11.202 | 13.142 | 9.218 |

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|------------------------------------|-------|-------|--------|--------|--------|---------|---------|---------|---------|---------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| Tuvalu | 0.995 | 2.119 | 15.207 | 14.804 | 21.623 | 85.303 | 87.139 | 151.413 | 196.635 | 420.006 | 504.663 | 363.149 | 225.220 | 268.822 | 187.436 | 458.344 | 56.407 | 396.391 | 1226.220 |
| Uganda | 0.378 | 0.804 | 3.182 | 3.985 | 7.658 | 19.811 | 31.466 | 57.482 | 79.523 | 108.281 | 120.193 | 135.150 | 156.146 | 108.731 | 127.949 | 86.289 | 54.038 | 75.988 | 43.009 |
| Ukraine | 0.631 | 4.135 | 15.439 | 8.859 | 41.673 | 53.832 | 97.779 | 198.561 | 339.017 | 400.038 | 375.779 | 304.202 | 221.819 | 81.519 | 102.109 | 55.002 | 25.277 | 44.783 | 14.871 |
| United Arab Emirates | 0.772 | 1.780 | 7.028 | 6.454 | 11.865 | 24.476 | 36.954 | 99.832 | 106.510 | 277.663 | 145.939 | 204.098 | 107.933 | 81.286 | 82.199 | 79.429 | 76.058 | 79.116 | 93.813 |
| United Kingdom | 0.364 | 0.794 | 2.838 | 3.503 | 8.340 | 22.487 | 54.811 | 149.119 | 368.875 | 952.242 | 1686.704 | 2366.701 | 2532.890 | 2107.722 | 2395.365 | 2026.701 | 1474.738 | 1803.656 | 1218.508 |
| United Republic of Tanzania | 0.545 | 1.111 | 4.275 | 4.895 | 9.716 | 23.582 | 37.153 | 73.086 | 107.034 | 146.993 | 169.282 | 179.540 | 200.383 | 133.739 | 157.830 | 108.425 | 62.467 | 94.281 | 47.566 |
| United States of America | 0.346 | 0.701 | 2.827 | 2.859 | 5.712 | 14.976 | 42.192 | 101.598 | 224.025 | 426.607 | 720.184 | 1262.587 | 1556.308 | 1297.016 | 1609.661 | 1278.520 | 752.739 | 1009.650 | 370.054 |
| United States Virgin Islands | 0.792 | 2.064 | 6.467 | 7.329 | 24.677 | 55.497 | 159.662 | 321.115 | 535.473 | 480.567 | 575.121 | 785.439 | 815.976 | 682.673 | 764.996 | 589.257 | 453.137 | 537.839 | 352.096 |
| Uruguay | 1.399 | 2.510 | 8.390 | 9.950 | 26.982 | 53.489 | 125.605 | 280.377 | 493.593 | 634.288 | 651.493 | 658.846 | 658.175 | 442.416 | 507.174 | 398.379 | 369.447 | 376.679 | 246.956 |
| Uzbekistan | 1.391 | 2.550 | 11.525 | 11.947 | 18.161 | 32.927 | 60.987 | 104.237 | 152.071 | 217.082 | 153.626 | 110.061 | 129.261 | 54.995 | 60.449 | 33.305 | 25.811 | 32.195 | 21.698 |
| Vanuatu | 1.045 | 2.026 | 14.180 | 16.582 | 22.698 | 108.708 | 94.581 | 169.323 | 222.916 | 579.916 | 706.428 | 544.631 | 332.554 | 343.474 | 268.627 | 600.459 | 38.581 | 523.500 | 1226.441 |
| Venezuela (Bolivarian Republic of) | 1.580 | 2.749 | 9.286 | 7.199 | 12.619 | 28.587 | 64.912 | 139.025 | 201.075 | 264.525 | 246.362 | 234.073 | 194.679 | 95.871 | 136.567 | 55.695 | 55.550 | 53.494 | 38.466 |
| Viet Nam | 0.894 | 1.767 | 7.183 | 8.430 | 21.907 | 63.488 | 147.707 | 288.326 | 433.891 | 450.391 | 339.018 | 250.038 | 313.630 | 231.802 | 252.023 | 246.622 | 110.747 | 205.554 | 84.818 |
| Yemen | 0.511 | 1.001 | 4.289 | 4.676 | 8.957 | 21.345 | 33.641 | 62.743 | 75.500 | 115.376 | 100.131 | 88.457 | 51.345 | 32.045 | 32.910 | 32.681 | 25.699 | 30.594 | 23.211 |
| Zambia | 0.637 | 1.390 | 5.084 | 5.777 | 12.320 | 30.665 | 51.710 | 95.510 | 133.500 | 181.619 | 195.854 | 218.388 | 242.314 | 168.424 | 190.672 | 139.875 | 84.121 | 125.802 | 67.345 |
| Zimbabwe | 0.566 | 0.996 | 4.605 | 5.162 | 10.994 | 29.687 | 49.774 | 85.224 | 121.376 | 150.870 | 187.436 | 233.526 | 261.982 | 199.148 | 231.051 | 172.170 | 75.860 | 142.365 | 31.306 |

SDI: high-sociodemographic

Supplementary Table 3. The top three and the bottom three regions of cancer attributed to occupational risks death, or DALY.

| Measure | sex | Top three regions | Bottom three regions |
|-------------------------------|-----|-------------------|----------------------|
| 2019 ASR (per 100,000 people) | | | |
| Age standardized death rate | | | |

| | | | | | | | |
|----------------------------|--------|-----------------------------------|----------------------------------|------------------------------|-----------------------------------|-----------------------------------|-------------------------------------|
| Age-standardized DALY rate | both | High-income North America(7.99) | Western Europe(9.55) | Australasia(9.97) | Western sub-Saharan Africa(0.68) | Eastern Sub-Saharan Africa(1.18) | South Asia(1.36) |
| | female | Western Europe(2.76) | High-income North America(2.88) | Australasia(3.82) | Western sub-Saharan Africa(0.33) | South Asia(0.44) | North Africa and Middle East(0.60) |
| | male | High-income North America(14.60) | Australasia(17.21) | Western Europe(18.05) | Western sub-Saharan Africa(1.06) | Eastern Sub-Saharan Africa(1.63) | South Asia(2.34) |
| 1990-2019 increase times | both | High-income North America(141.32) | Australasia(181.71) | Western Europe(184.94) | Western sub-Saharan Africa(17.25) | Eastern Sub-Saharan Africa(27.96) | South Asia(33.23) |
| | female | Western Europe(54.84) | High-income North America(56.68) | Australasia(71.85) | Western sub-Saharan Africa(8.85) | South Asia(10.62) | North Africa and Middle East(13.28) |
| | male | High-income North America(244.70) | Australasia(305.03) | Western Europe(336.84) | Western sub-Saharan Africa(26.35) | Eastern Sub-Saharan Africa(37.92) | Andean Latin America(53.32) |
| Death (cases) | both | Southeast Asia(3.00) | Oceania(3.10) | South Asia(3.26) | Eastern Europe(0.90) | Central Asia(1.08) | High-income North America(1.23) |
| | female | Oceania(3.08) | Tropical Latin America(3.28) | South Asia(3.59) | Eastern Europe(0.93) | Central Asia(1.17) | Western Europe(1.67) |
| | male | East Asia(3.05) | Oceania(3.11) | South Asia(3.20) | Eastern Europe(0.89) | Central Asia(1.07) | High-income North America(1.15) |
| DALY (cases) | both | Southeast Asia(2.72) | South Asia(2.94) | Oceania(3.03) | Eastern Europe(0.80) | Central Asia(1.00) | High-income North America(1.06) |
| | female | Central Latin America(2.78) | Oceania(3.11) | South Asia(3.21) | Eastern Europe(0.87) | Central Asia(1.12) | Western Europe(1.49) |
| | male | Southeast Asia(2.76) | South Asia(2.89) | Oceania(3.01) | Eastern Europe(0.79) | Central Asia(0.97) | High-income North America(0.99) |
| EAPC Death | both | East Asia(1.21) | Oceania(1.36) | Central Europe(1.50) | Andean Latin America(-2.11) | Eastern Europe(-1.63) | High-income North America(-1.63) |
| | female | Caribbean(1.38) | Central Europe(1.60) | Southern Latin America(2.36) | Eastern Europe(-1.30) | Central Asia(-1.26) | High-income Asia Pacific(-0.82) |
| | male | Oceania(1.39) | Central Europe(1.58) | East Asia(1.72) | Andean Latin America(-2.81) | High-income North America(-2.12) | Australasia(-2.06) |
| DALY | both | South Asia(0.81) | Central Europe(0.90) | Oceania(1.22) | High-income North America(-2.27) | Andean Latin America(-2.13) | Eastern Europe(-2.02) |
| | female | Caribbean(1.28) | Central Europe(1.40) | Southern Latin America(2.06) | Central Asia(-1.70) | Eastern Europe(-1.55) | High-income Asia Pacific(-1.27) |

male East Asia(0.97)

South Asia(1.01)

Oceania(1.24)

Andean Latin America(-2.90)

High-income North America(-2.75)

Australasia(-2.54)

DALYs: Disability-adjusted life years; ASR: age-standardized incidence rete; EAPC: estimated annual percentage change

Supplementary Table 4. The death cases and the DALYs cases of cancer attributed to occupational risks in 1990 and 2019, and its temporal trends from 1990 to 2019.

| location_name | gender | Death cases 1990 | Death cases 2019 | DALY cases 1990 | DALY cases 2019 | EPAC for death cases | EAPC for DALY cases |
|------------------------------|--------|------------------|------------------|-----------------|-----------------|----------------------|---------------------|
| High SDI | both | 112592.47 | 156043.35 | 2291735.75 | 2700006.71 | 1.39 | 1.18 |
| High-middle SDI | both | 51269.06 | 86011.72 | 1307843.00 | 1905633.96 | 1.68 | 1.46 |
| Middle SDI | both | 21662.28 | 62766.33 | 635370.46 | 1585989.94 | 2.90 | 2.50 |
| Low-middle SDI | both | 7459.75 | 22999.10 | 219569.39 | 604472.67 | 3.08 | 2.75 |
| Low SDI | both | 2344.35 | 5885.12 | 68779.86 | 165161.79 | 2.51 | 2.40 |
| Andean Latin America | both | 562.47 | 977.82 | 13895.68 | 22836.25 | 1.74 | 1.64 |
| Australasia | both | 3583.56 | 5270.17 | 74618.04 | 91710.25 | 1.47 | 1.23 |
| Caribbean | both | 578.94 | 1189.49 | 14355.62 | 29289.37 | 2.05 | 2.04 |
| Central Asia | both | 1722.14 | 1866.66 | 52862.86 | 52878.48 | 1.08 | 1.00 |
| Central Europe | both | 5621.73 | 10912.15 | 153836.54 | 248985.40 | 1.94 | 1.62 |
| Central Latin America | both | 1522.18 | 3942.07 | 41228.29 | 97738.80 | 2.59 | 2.37 |
| Central Sub-Saharan Africa | both | 406.11 | 777.22 | 11964.63 | 22754.82 | 1.91 | 1.90 |
| East Asia | both | 23579.34 | 69444.87 | 688870.21 | 1694944.88 | 2.95 | 2.46 |
| Eastern Europe | both | 9696.73 | 8734.95 | 271466.58 | 217817.50 | 0.90 | 0.80 |
| Eastern Sub-Saharan Africa | both | 745.97 | 1826.76 | 21574.58 | 50783.39 | 2.45 | 2.35 |
| High-income Asia Pacific | both | 8716.20 | 25331.30 | 175718.96 | 384218.98 | 2.91 | 2.19 |
| High-income North America | both | 42766.93 | 52743.04 | 853026.63 | 906160.11 | 1.23 | 1.06 |
| North Africa and Middle East | both | 5386.50 | 11326.03 | 148241.86 | 288529.42 | 2.10 | 1.95 |

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|-----------------------------|------|-----------|-----------|------------|------------|------|------|
| Oceania | both | 52.71 | 163.54 | 1518.34 | 4597.42 | 3.10 | 3.03 |
| South Asia | both | 5746.76 | 18705.79 | 168076.88 | 494121.78 | 3.26 | 2.94 |
| Southeast Asia | both | 4806.82 | 14422.15 | 147500.11 | 400599.72 | 3.00 | 2.72 |
| Southern Latin America | both | 2085.23 | 3695.77 | 52823.54 | 81211.00 | 1.77 | 1.54 |
| Southern Sub-Saharan Africa | both | 1379.25 | 2374.59 | 35119.59 | 53858.94 | 1.72 | 1.53 |
| Tropical Latin America | both | 2551.58 | 6589.14 | 68879.66 | 151728.78 | 2.58 | 2.20 |
| Western Europe | both | 73269.38 | 92291.88 | 1511490.50 | 1632548.58 | 1.26 | 1.08 |
| Western Sub-Saharan Africa | both | 642.07 | 1281.63 | 18380.43 | 37461.29 | 2.00 | 2.04 |
| Global | both | 195422.60 | 333867.01 | 4525449.51 | 6964775.16 | 1.71 | 1.54 |
| High SDI | male | 97251.07 | 128879.87 | 1979841.03 | 2223671.70 | 1.33 | 1.12 |
| High-middle SDI | male | 42406.80 | 68422.40 | 1083119.54 | 1503138.84 | 1.61 | 1.39 |
| Middle SDI | male | 16232.90 | 47596.71 | 473541.12 | 1199529.31 | 2.93 | 2.53 |
| Low-middle SDI | male | 5816.46 | 17888.37 | 169878.26 | 469354.64 | 3.08 | 2.76 |
| Low SDI | male | 1813.13 | 4467.00 | 52080.04 | 124517.01 | 2.46 | 2.39 |
| Andean Latin America | male | 448.14 | 645.42 | 10721.15 | 14576.77 | 1.44 | 1.36 |
| Australasia | male | 3130.72 | 4190.10 | 65497.54 | 72951.73 | 1.34 | 1.11 |
| Caribbean | male | 481.71 | 919.41 | 11522.77 | 21917.03 | 1.91 | 1.90 |
| Central Asia | male | 1414.47 | 1507.38 | 43618.37 | 42497.06 | 1.07 | 0.97 |
| Central Europe | male | 4752.93 | 9127.02 | 131626.00 | 208148.98 | 1.92 | 1.58 |
| Central Latin America | male | 1171.26 | 2897.97 | 31340.30 | 70245.15 | 2.47 | 2.24 |
| Central Sub-Saharan Africa | male | 318.40 | 547.00 | 9284.89 | 16070.73 | 1.72 | 1.73 |
| East Asia | male | 16365.47 | 49841.28 | 479327.31 | 1211110.42 | 3.05 | 2.53 |
| Eastern Europe | male | 7613.99 | 6792.89 | 217798.52 | 171327.91 | 0.89 | 0.79 |
| Eastern Sub-Saharan Africa | male | 494.60 | 1183.50 | 13815.74 | 32531.13 | 2.39 | 2.35 |

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|------------------------------|--------|-----------|-----------|------------|------------|------|------|
| High-income Asia Pacific | male | 7394.84 | 22366.84 | 147745.96 | 341455.46 | 3.02 | 2.31 |
| High-income North America | male | 36706.49 | 42383.24 | 725934.28 | 716516.95 | 1.15 | 0.99 |
| North Africa and Middle East | male | 4920.26 | 10142.40 | 134962.81 | 258908.71 | 2.06 | 1.92 |
| Oceania | male | 45.06 | 139.97 | 1268.25 | 3820.70 | 3.11 | 3.01 |
| South Asia | male | 4899.34 | 15666.42 | 143230.02 | 414418.28 | 3.20 | 2.89 |
| Southeast Asia | male | 3790.76 | 11494.51 | 113069.70 | 311789.39 | 3.03 | 2.76 |
| Southern Latin America | male | 1841.57 | 2961.77 | 46718.80 | 64802.60 | 1.61 | 1.39 |
| Southern Sub-Saharan Africa | male | 1154.00 | 1934.13 | 29641.34 | 44547.27 | 1.68 | 1.50 |
| Tropical Latin America | male | 1885.43 | 4403.74 | 51368.11 | 103613.05 | 2.34 | 2.02 |
| Western Europe | male | 64281.92 | 77301.82 | 1338385.41 | 1375290.54 | 1.20 | 1.03 |
| Western Sub-Saharan Africa | male | 490.55 | 939.83 | 13418.14 | 26506.01 | 1.92 | 1.98 |
| Global | male | 163601.91 | 267386.64 | 3760295.41 | 5523045.87 | 1.63 | 1.47 |
| High SDI | female | 15341.41 | 27163.48 | 311894.72 | 476335.01 | 1.77 | 1.53 |
| High-middle SDI | female | 8862.26 | 17589.33 | 224723.46 | 402495.12 | 1.98 | 1.79 |
| Middle SDI | female | 5429.38 | 15169.62 | 161829.34 | 386460.63 | 2.79 | 2.39 |
| Low-middle SDI | female | 1643.29 | 5110.73 | 49691.13 | 135118.03 | 3.11 | 2.72 |
| Low SDI | female | 531.23 | 1418.12 | 16699.83 | 40644.79 | 2.67 | 2.43 |
| Andean Latin America | female | 114.33 | 332.40 | 3174.53 | 8259.48 | 2.91 | 2.60 |
| Australasia | female | 452.84 | 1080.08 | 9120.50 | 18758.52 | 2.39 | 2.06 |
| Caribbean | female | 97.23 | 270.08 | 2832.84 | 7372.33 | 2.78 | 2.60 |
| Central Asia | female | 307.67 | 359.28 | 9244.49 | 10381.42 | 1.17 | 1.12 |
| Central Europe | female | 868.79 | 1785.13 | 22210.53 | 40836.42 | 2.05 | 1.84 |
| Central Latin America | female | 350.92 | 1044.10 | 9887.98 | 27493.65 | 2.98 | 2.78 |
| Central Sub-Saharan Africa | female | 87.72 | 230.22 | 2679.74 | 6684.10 | 2.62 | 2.49 |

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|------------------------------|--------|----------|----------|-----------|------------|------|------|
| East Asia | female | 7213.86 | 19603.59 | 209542.91 | 483834.46 | 2.72 | 2.31 |
| Eastern Europe | female | 2082.75 | 1942.06 | 53668.05 | 46489.59 | 0.93 | 0.87 |
| Eastern Sub-Saharan Africa | female | 251.37 | 643.26 | 7758.84 | 18252.26 | 2.56 | 2.35 |
| High-income Asia Pacific | female | 1321.35 | 2964.47 | 27973.00 | 42763.53 | 2.24 | 1.53 |
| High-income North America | female | 6060.44 | 10359.80 | 127092.34 | 189643.16 | 1.71 | 1.49 |
| North Africa and Middle East | female | 466.24 | 1183.63 | 13279.05 | 29620.71 | 2.54 | 2.23 |
| Oceania | female | 7.65 | 23.57 | 250.10 | 776.71 | 3.08 | 3.11 |
| South Asia | female | 847.43 | 3039.36 | 24846.86 | 79703.49 | 3.59 | 3.21 |
| Southeast Asia | female | 1016.05 | 2927.64 | 34430.41 | 88810.33 | 2.88 | 2.58 |
| Southern Latin America | female | 243.66 | 734.00 | 6104.74 | 16408.40 | 3.01 | 2.69 |
| Southern Sub-Saharan Africa | female | 225.25 | 440.45 | 5478.25 | 9311.67 | 1.96 | 1.70 |
| Tropical Latin America | female | 666.15 | 2185.40 | 17511.55 | 48115.73 | 3.28 | 2.75 |
| Western Europe | female | 8987.46 | 14990.06 | 173105.09 | 257258.05 | 1.67 | 1.49 |
| Western Sub-Saharan Africa | female | 151.52 | 341.79 | 4962.30 | 10955.29 | 2.26 | 2.21 |
| Global | female | 31820.69 | 66480.37 | 765154.11 | 1441729.30 | 2.09 | 1.88 |

SDI: high-sociodemographic; DALYs: Disability-adjusted life years; EAPC: estimated annual percentage change

Supplementary Table 5. The top three and the bottom three countries of cancer attributed to occupational risks death, or DALY.

| Measure | sex | Top three countries | | | Bottom three countries | | |
|-------------------------------|------|---------------------|---------------|------------------|------------------------|------------|--------------------|
| 2019 ASR (per 100,000 people) | | | | | | | |
| Age-standardized death rate | both | Netherlands(14.96) | Monaco(18.26) | Greenland(20.23) | Nigeria(0.45) | Mali(0.49) | Saudi Arabia(0.56) |

| | | | | | | | |
|----------------------------|--------|-------------------------|------------------------|-----------------------------|------------------|----------------------------|---------------------------|
| | female | Netherlands(4.35) | United Kingdom(6.15) | Greenland(7.60) | Yemen(0.12) | Syrian Arab Republic(0.13) | Tunisia(0.14) |
| | male | Netherlands(27.91) | Greenland(33.07) | Monaco(36.78) | Nigeria(0.62) | Mali(0.64) | Saudi Arabia(0.84) |
| Age-standardized DALY rate | both | Andorra(283.86) | Monaco(357.37) | Greenland(390.00) | Nigeria(11.10) | Mali(13.30) | Mauritania(15.12) |
| | female | Netherlands(87.32) | United Kingdom(110.09) | Greenland(170.54) | Jordan(3.23) | Yemen(3.33) | Algeria(3.46) |
| | male | Andorra(519.99) | Greenland(592.85) | Monaco(694.44) | Nigeria(15.26) | Mali(17.13) | Mauritania(22.19) |
| 1990-2019 increase times | | | | | | | |
| Death (cases) | both | Honduras(6.91) | Qatar(8.10) | United Arab Emirates(9.60) | Kazakhstan(0.67) | Republic of Moldova(0.69) | Lithuania(0.70) |
| | female | Honduras(7.49) | Qatar(8.28) | United Arab Emirates(9.45) | Ukraine(0.60) | Kazakhstan(0.77) | Norway(0.82) |
| | male | Honduras(6.51) | Qatar(8.09) | United Arab Emirates(9.62) | Kazakhstan(0.64) | Republic of Moldova(0.65) | Lithuania(0.66) |
| DALY (cases) | both | Honduras(5.93) | Qatar(7.69) | United Arab Emirates(9.55) | Lithuania(0.61) | Kazakhstan(0.61) | Republic of Moldova(0.64) |
| | female | Honduras(6.49) | Qatar(7.83) | United Arab Emirates(10.06) | Ukraine(0.59) | Norway(0.71) | Kazakhstan(0.71) |
| | male | Honduras(5.52) | Qatar(7.68) | United Arab Emirates(9.50) | Lithuania(0.57) | Kazakhstan(0.59) | Republic of Moldova(0.61) |
| EAPC | | | | | | | |
| Death | both | Honduras(3.54) | Croatia(4.01) | Georgia(5.04) | Peru(-3.99) | Singapore(-3.05) | Kazakhstan(-2.98) |
| | female | Equatorial Guinea(3.29) | Qatar(3.30) | Honduras(3.53) | Singapore(-3.51) | Ukraine(-3.22) | Bermuda(-2.99) |
| | male | Honduras(3.59) | Croatia(4.09) | Georgia(5.67) | Peru(-5.10) | Uzbekistan(-3.37) | Kazakhstan(-3.08) |
| DALY | both | Honduras(2.97) | Croatia(3.43) | Georgia(4.19) | Peru(-3.78) | Singapore(-3.46) | Kazakhstan(-3.35) |
| | female | Honduras(3.02) | Bulgaria(3.13) | Solomon Islands(3.21) | Singapore(-3.69) | Ukraine(-3.41) | Kazakhstan(-3.14) |
| | male | Honduras(2.98) | Croatia(3.47) | Georgia(4.74) | Peru(-4.93) | Uzbekistan(-3.82) | Singapore(-3.46) |

SDI: high-sociodemographic; DALYs: Disability-adjusted life years; EAPC: estimated annual percentage change; ASR: age-standardized incidence rate

Supplementary Table 6. The age-standardized death rate (ASDR) and the age-standardized DALY rate of cancer attributed to occupational risks in 1990 and 2019, and its temporal trends from 1990 to 2019.

| Country | Region | Sex | ASDR 1990 | age-standardized DALY rate 1990 | ASDR 2019 | age-standardized DALY rate 2019 | ASDR Change | ASDR Change upper | ASDR Change lower | DALYC | DALYC upper | DALYC lower |
|---------------------|------------------------------|------|-----------|---------------------------------|-----------|---------------------------------|-------------|-------------------|-------------------|-------|-------------|-------------|
| Afghanistan | North Africa and Middle East | both | 1.25 | 37.43 | 1.14 | 32.08 | -0.09 | 0.54 | -0.42 | -0.14 | 0.42 | -0.45 |
| Albania | Central Europe | both | 1.57 | 39.49 | 1.77 | 42.02 | 0.13 | 0.71 | -0.30 | 0.06 | 0.60 | -0.33 |
| Algeria | North Africa and Middle East | both | 0.73 | 21.13 | 0.62 | 16.20 | -0.15 | 0.30 | -0.44 | -0.23 | 0.12 | -0.48 |
| American Samoa | Oceania | both | 4.42 | 99.57 | 3.68 | 81.63 | -0.17 | 0.08 | -0.35 | -0.18 | 0.08 | -0.37 |
| Andorra | Western Europe | both | 18.63 | 380.03 | 14.33 | 283.86 | -0.23 | 0.18 | -0.51 | -0.25 | 0.19 | -0.55 |
| Angola | Central sub-Saharan Africa | both | 1.99 | 55.00 | 1.70 | 42.42 | -0.14 | 0.32 | -0.45 | -0.23 | 0.22 | -0.51 |
| Antigua and Barbuda | Caribbean | both | 1.33 | 33.78 | 1.02 | 25.19 | -0.24 | -0.04 | -0.41 | -0.25 | -0.06 | -0.42 |
| Argentina | Southern Latin America | both | 4.62 | 118.17 | 5.10 | 116.27 | 0.10 | 0.30 | -0.06 | -0.02 | 0.15 | -0.16 |
| Armenia | Central Asia | both | 6.03 | 166.61 | 5.98 | 141.08 | -0.01 | 0.42 | -0.35 | -0.15 | 0.25 | -0.47 |
| Australia | Australasia | both | 15.12 | 318.89 | 10.25 | 185.95 | -0.32 | -0.23 | -0.40 | -0.42 | -0.33 | -0.49 |
| Austria | Western Europe | both | 6.65 | 143.63 | 5.71 | 117.11 | -0.14 | 0.01 | -0.27 | -0.18 | -0.04 | -0.31 |
| Azerbaijan | Central Asia | both | 2.00 | 62.89 | 1.89 | 54.40 | -0.06 | 0.28 | -0.31 | -0.13 | 0.18 | -0.37 |
| Bahrain | North Africa and Middle East | both | 5.92 | 116.46 | 5.47 | 87.99 | -0.08 | 0.45 | -0.48 | -0.24 | 0.18 | -0.56 |
| Bangladesh | South Asia | both | 1.26 | 32.14 | 0.87 | 21.96 | -0.31 | 0.07 | -0.57 | -0.32 | 0.08 | -0.58 |
| Barbados | Caribbean | both | 1.37 | 33.52 | 1.37 | 32.02 | -0.01 | 0.27 | -0.24 | -0.04 | 0.24 | -0.28 |
| Belarus | Eastern Europe | both | 2.69 | 80.14 | 2.13 | 57.36 | -0.21 | 0.37 | -0.55 | -0.28 | 0.35 | -0.63 |
| Belgium | Western Europe | both | 18.60 | 379.64 | 12.87 | 246.89 | -0.31 | -0.21 | -0.40 | -0.35 | -0.24 | -0.44 |
| Belize | Caribbean | both | 2.19 | 49.11 | 3.02 | 73.34 | 0.38 | 0.76 | 0.07 | 0.49 | 0.90 | 0.16 |

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|----------------------------------|-----------------------------|------|-------|--------|------|--------|-------|-------|-------|-------|-------|-------|
| Benin | Western sub-Saharan Africa | both | 1.01 | 25.75 | 0.92 | 24.10 | -0.09 | 0.34 | -0.38 | -0.06 | 0.39 | -0.37 |
| Bermuda | Caribbean | both | 12.86 | 282.22 | 5.51 | 110.25 | -0.57 | -0.43 | -0.68 | -0.61 | -0.48 | -0.71 |
| Bhutan | South Asia | both | 0.76 | 19.88 | 1.24 | 26.57 | 0.64 | 1.50 | 0.03 | 0.34 | 1.12 | -0.16 |
| Bolivia (Plurinational State of) | Andean Latin America | both | 2.52 | 57.60 | 3.38 | 69.92 | 0.34 | 1.00 | -0.08 | 0.21 | 0.80 | -0.18 |
| Bosnia and Herzegovina | Central Europe | both | 3.80 | 96.12 | 3.33 | 79.93 | -0.12 | 0.28 | -0.44 | -0.17 | 0.23 | -0.47 |
| Botswana | Southern sub-Saharan Africa | both | 6.39 | 145.22 | 6.24 | 132.49 | -0.02 | 0.44 | -0.36 | -0.09 | 0.37 | -0.42 |
| Brazil | Tropical Latin America | both | 3.02 | 71.39 | 2.79 | 61.69 | -0.08 | 0.01 | -0.15 | -0.14 | -0.06 | -0.21 |
| Brunei Darussalam | High-income Asia Pacific | both | 7.14 | 140.33 | 6.62 | 114.47 | -0.07 | 0.38 | -0.34 | -0.18 | 0.20 | -0.41 |
| Bulgaria | Central Europe | both | 1.58 | 48.79 | 2.43 | 70.75 | 0.54 | 1.15 | 0.12 | 0.45 | 1.02 | 0.05 |
| Burkina Faso | Western sub-Saharan Africa | both | 0.74 | 19.13 | 0.67 | 17.50 | -0.10 | 0.29 | -0.37 | -0.09 | 0.30 | -0.35 |
| Burundi | Eastern Sub-Saharan Africa | both | 1.39 | 35.71 | 1.11 | 27.51 | -0.20 | 0.27 | -0.51 | -0.23 | 0.23 | -0.53 |
| Cambodia | Southeast Asia | both | 2.38 | 64.47 | 3.37 | 81.80 | 0.41 | 1.08 | -0.07 | 0.27 | 0.87 | -0.16 |
| Cameroon | Western sub-Saharan Africa | both | 1.19 | 29.76 | 1.34 | 33.44 | 0.13 | 0.77 | -0.28 | 0.12 | 0.76 | -0.29 |
| Canada | High-income North America | both | 13.62 | 281.58 | 9.54 | 169.75 | -0.30 | -0.20 | -0.40 | -0.40 | -0.30 | -0.49 |
| Cabo Verde | Western sub-Saharan Africa | both | 0.43 | 12.47 | 0.79 | 20.09 | 0.86 | 1.62 | 0.34 | 0.61 | 1.17 | 0.23 |
| Central African Republic | Central sub-Saharan Africa | both | 2.04 | 55.05 | 1.66 | 43.97 | -0.19 | 0.17 | -0.43 | -0.20 | 0.14 | -0.45 |
| Chad | Western sub-Saharan Africa | both | 0.61 | 15.98 | 0.79 | 20.62 | 0.29 | 0.96 | -0.14 | 0.29 | 0.96 | -0.14 |
| Chile | Southern Latin America | both | 3.52 | 80.24 | 2.67 | 56.48 | -0.24 | -0.10 | -0.37 | -0.30 | -0.17 | -0.41 |
| China | East Asia | both | 2.65 | 70.63 | 3.37 | 78.23 | 0.27 | 0.65 | -0.01 | 0.11 | 0.45 | -0.14 |
| Colombia | Central Latin America | both | 1.82 | 46.68 | 1.47 | 36.06 | -0.19 | 0.14 | -0.43 | -0.23 | 0.09 | -0.45 |
| Comoros | Eastern Sub-Saharan Africa | both | 0.98 | 24.13 | 1.19 | 28.15 | 0.21 | 1.34 | -0.25 | 0.17 | 1.69 | -0.30 |
| Congo | Central sub-Saharan Africa | both | 2.61 | 65.13 | 1.94 | 44.89 | -0.26 | 0.16 | -0.53 | -0.31 | 0.14 | -0.57 |
| Costa Rica | Central Latin America | both | 1.23 | 28.81 | 1.01 | 23.51 | -0.18 | 0.12 | -0.41 | -0.18 | 0.11 | -0.41 |
| Côte d'Ivoire | Western sub-Saharan Africa | both | 1.16 | 29.13 | 1.05 | 26.45 | -0.09 | 0.34 | -0.39 | -0.09 | 0.34 | -0.40 |

| | | | | | | | | | | | | |
|----------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Croatia | Central Europe | both | 4.82 | 120.11 | 9.59 | 210.23 | 0.99 | 1.93 | 0.34 | 0.75 | 1.60 | 0.15 |
| Cuba | Caribbean | both | 2.87 | 69.82 | 3.12 | 77.25 | 0.09 | 0.42 | -0.18 | 0.11 | 0.44 | -0.16 |
| Cyprus | Western Europe | both | 7.95 | 152.13 | 6.84 | 123.44 | -0.14 | 0.10 | -0.33 | -0.19 | 0.05 | -0.37 |
| Czechia | Central Europe | both | 6.48 | 167.80 | 3.87 | 86.44 | -0.40 | -0.18 | -0.56 | -0.48 | -0.29 | -0.63 |
| Democratic Republic of the Congo | Central sub-Saharan Africa | both | 1.63 | 41.25 | 1.35 | 34.13 | -0.17 | 0.30 | -0.46 | -0.17 | 0.27 | -0.47 |
| Denmark | Western Europe | both | 14.35 | 316.37 | 11.41 | 216.70 | -0.20 | -0.07 | -0.33 | -0.32 | -0.20 | -0.42 |
| Djibouti | Eastern Sub-Saharan Africa | both | 0.99 | 23.89 | 1.41 | 31.37 | 0.43 | 1.34 | -0.11 | 0.31 | 1.23 | -0.20 |
| Dominica | Caribbean | both | 2.76 | 61.78 | 3.45 | 75.91 | 0.25 | 0.71 | -0.10 | 0.23 | 0.69 | -0.14 |
| Dominican Republic | Caribbean | both | 1.01 | 27.03 | 1.67 | 43.07 | 0.65 | 1.42 | 0.12 | 0.59 | 1.36 | 0.07 |
| Ecuador | Andean Latin America | both | 1.03 | 24.95 | 1.54 | 32.76 | 0.49 | 1.08 | 0.07 | 0.31 | 0.83 | -0.05 |
| Egypt | North Africa and Middle East | both | 0.37 | 11.33 | 0.71 | 20.65 | 0.94 | 1.88 | 0.27 | 0.82 | 1.65 | 0.21 |
| El Salvador | Central Latin America | both | 0.55 | 16.53 | 0.83 | 23.53 | 0.51 | 1.11 | 0.06 | 0.42 | 0.98 | 0.00 |
| Equatorial Guinea | Central sub-Saharan Africa | both | 1.48 | 38.27 | 1.75 | 38.82 | 0.19 | 1.28 | -0.36 | 0.01 | 1.04 | -0.47 |
| Eritrea | Eastern Sub-Saharan Africa | both | 1.09 | 29.51 | 1.48 | 37.30 | 0.36 | 1.12 | -0.12 | 0.26 | 0.99 | -0.16 |
| Estonia | Eastern Europe | both | 3.35 | 93.03 | 2.68 | 59.81 | -0.20 | 0.23 | -0.47 | -0.36 | -0.03 | -0.57 |
| Ethiopia | Eastern Sub-Saharan Africa | both | 1.16 | 30.23 | 1.03 | 24.21 | -0.12 | 0.36 | -0.41 | -0.20 | 0.27 | -0.47 |
| Micronesia (Federated States of) | Oceania | both | 4.17 | 103.36 | 5.28 | 125.79 | 0.27 | 1.00 | -0.26 | 0.22 | 0.96 | -0.34 |
| Fiji | Oceania | both | 1.22 | 31.05 | 1.63 | 38.83 | 0.33 | 1.12 | -0.16 | 0.25 | 0.95 | -0.20 |
| Finland | Western Europe | both | 10.04 | 211.81 | 6.96 | 129.27 | -0.31 | -0.17 | -0.43 | -0.39 | -0.26 | -0.50 |
| France | Western Europe | both | 11.61 | 254.75 | 11.46 | 244.09 | -0.01 | 0.14 | -0.15 | -0.04 | 0.13 | -0.19 |
| Gabon | Central sub-Saharan Africa | both | 2.33 | 56.45 | 2.17 | 48.00 | -0.07 | 0.40 | -0.40 | -0.15 | 0.31 | -0.47 |
| Georgia | Central Asia | both | 1.96 | 63.34 | 5.15 | 139.06 | 1.62 | 3.05 | 0.75 | 1.20 | 2.35 | 0.48 |
| Germany | Western Europe | both | 9.28 | 203.25 | 8.52 | 164.48 | -0.08 | 0.08 | -0.21 | -0.19 | -0.04 | -0.31 |
| Ghana | Western sub-Saharan Africa | both | 1.35 | 36.19 | 0.89 | 23.16 | -0.34 | -0.03 | -0.55 | -0.36 | -0.06 | -0.56 |

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|----------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Greece | Western Europe | both | 6.36 | 132.60 | 5.40 | 110.55 | -0.15 | 0.08 | -0.33 | -0.17 | 0.08 | -0.36 |
| Greenland | High-income North America | both | 15.56 | 334.58 | 20.23 | 390.00 | 0.30 | 0.85 | -0.12 | 0.17 | 0.69 | -0.21 |
| Grenada | Caribbean | both | 3.41 | 77.00 | 2.07 | 51.89 | -0.39 | -0.21 | -0.52 | -0.33 | -0.13 | -0.46 |
| Guam | Oceania | both | 4.36 | 95.27 | 2.90 | 70.89 | -0.33 | -0.06 | -0.52 | -0.26 | 0.04 | -0.47 |
| Guatemala | Central Latin America | both | 0.81 | 22.08 | 0.79 | 20.80 | -0.03 | 0.33 | -0.31 | -0.06 | 0.28 | -0.33 |
| Guinea | Western sub-Saharan Africa | both | 0.61 | 16.19 | 0.80 | 21.04 | 0.30 | 0.97 | -0.17 | 0.30 | 0.93 | -0.17 |
| Guinea-Bissau | Western sub-Saharan Africa | both | 1.63 | 41.70 | 1.26 | 33.11 | -0.23 | 0.20 | -0.50 | -0.21 | 0.24 | -0.48 |
| Guyana | Caribbean | both | 1.49 | 40.07 | 1.58 | 42.37 | 0.06 | 0.51 | -0.27 | 0.06 | 0.53 | -0.29 |
| Haiti | Caribbean | both | 2.14 | 53.45 | 2.14 | 49.77 | 0.00 | 0.56 | -0.35 | -0.07 | 0.49 | -0.40 |
| Honduras | Central Latin America | both | 1.39 | 37.36 | 3.43 | 81.32 | 1.48 | 2.59 | 0.68 | 1.18 | 2.16 | 0.50 |
| Hungary | Central Europe | both | 4.12 | 112.28 | 4.83 | 122.61 | 0.17 | 0.57 | -0.13 | 0.09 | 0.47 | -0.19 |
| Iceland | Western Europe | both | 7.92 | 163.13 | 7.08 | 138.83 | -0.11 | 0.06 | -0.26 | -0.15 | 0.02 | -0.29 |
| India | South Asia | both | 0.99 | 24.87 | 1.33 | 31.79 | 0.35 | 0.74 | -0.02 | 0.28 | 0.63 | -0.04 |
| Indonesia | Southeast Asia | both | 1.25 | 35.89 | 2.35 | 57.48 | 0.87 | 1.44 | 0.38 | 0.60 | 1.05 | 0.20 |
| Iran (Islamic Republic of) | North Africa and Middle East | both | 0.66 | 19.36 | 0.76 | 20.45 | 0.15 | 0.51 | -0.12 | 0.06 | 0.38 | -0.18 |
| Iraq | North Africa and Middle East | both | 2.60 | 59.61 | 2.64 | 57.44 | 0.02 | 0.60 | -0.32 | -0.04 | 0.48 | -0.38 |
| Ireland | Western Europe | both | 10.50 | 214.55 | 6.43 | 117.38 | -0.39 | -0.19 | -0.55 | -0.45 | -0.28 | -0.59 |
| Israel | Western Europe | both | 4.21 | 89.23 | 3.60 | 73.34 | -0.14 | 0.04 | -0.31 | -0.18 | 0.00 | -0.33 |
| Italy | Western Europe | both | 13.78 | 302.92 | 9.60 | 178.57 | -0.30 | -0.22 | -0.38 | -0.41 | -0.34 | -0.48 |
| Jamaica | Caribbean | both | 2.08 | 51.31 | 2.58 | 64.34 | 0.24 | 0.71 | -0.12 | 0.25 | 0.74 | -0.11 |
| Japan | High-income Asia Pacific | both | 4.68 | 88.36 | 5.21 | 90.59 | 0.11 | 0.26 | -0.03 | 0.03 | 0.17 | -0.09 |
| Jordan | North Africa and Middle East | both | 2.34 | 51.51 | 2.06 | 40.59 | -0.12 | 0.39 | -0.43 | -0.21 | 0.24 | -0.50 |
| Kazakhstan | Central Asia | both | 6.08 | 173.47 | 3.07 | 79.10 | -0.49 | -0.32 | -0.63 | -0.54 | -0.40 | -0.67 |
| Kenya | Eastern Sub-Saharan Africa | both | 0.70 | 17.37 | 1.18 | 27.96 | 0.68 | 1.22 | 0.20 | 0.61 | 1.11 | 0.20 |

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|----------------------------------|------------------------------|------|-------|--------|------|--------|-------|-------|-------|-------|-------|-------|
| Kiribati | Oceania | both | 1.01 | 25.98 | 1.27 | 32.97 | 0.26 | 0.99 | -0.18 | 0.27 | 1.05 | -0.21 |
| Kuwait | North Africa and Middle East | both | 1.12 | 27.70 | 2.09 | 37.55 | 0.86 | 1.61 | 0.35 | 0.36 | 0.91 | -0.01 |
| Kyrgyzstan | Central Asia | both | 2.24 | 69.80 | 1.24 | 34.13 | -0.45 | -0.31 | -0.56 | -0.51 | -0.39 | -0.61 |
| Lao People's Democratic Republic | Southeast Asia | both | 2.03 | 58.85 | 2.28 | 59.59 | 0.12 | 0.68 | -0.26 | 0.01 | 0.57 | -0.35 |
| Latvia | Eastern Europe | both | 2.92 | 80.00 | 2.49 | 60.03 | -0.15 | 0.22 | -0.39 | -0.25 | 0.08 | -0.47 |
| Lebanon | North Africa and Middle East | both | 1.45 | 42.21 | 1.64 | 44.98 | 0.13 | 0.86 | -0.23 | 0.07 | 0.73 | -0.28 |
| Lesotho | Southern sub-Saharan Africa | both | 5.19 | 124.60 | 8.10 | 197.47 | 0.56 | 1.48 | -0.02 | 0.58 | 1.58 | -0.05 |
| Liberia | Western sub-Saharan Africa | both | 0.85 | 21.90 | 0.72 | 18.99 | -0.15 | 0.28 | -0.44 | -0.13 | 0.31 | -0.44 |
| Libya | North Africa and Middle East | both | 1.56 | 45.96 | 1.39 | 36.95 | -0.11 | 0.49 | -0.43 | -0.20 | 0.28 | -0.48 |
| Lithuania | Eastern Europe | both | 3.70 | 94.37 | 2.09 | 50.35 | -0.43 | -0.22 | -0.59 | -0.47 | -0.26 | -0.61 |
| Luxembourg | Western Europe | both | 14.01 | 296.86 | 8.64 | 164.11 | -0.38 | -0.22 | -0.51 | -0.45 | -0.30 | -0.56 |
| North Macedonia | Central Europe | both | 1.37 | 39.57 | 1.88 | 52.33 | 0.37 | 0.94 | -0.06 | 0.32 | 0.87 | -0.09 |
| Madagascar | Eastern Sub-Saharan Africa | both | 0.78 | 20.70 | 0.82 | 21.18 | 0.06 | 0.62 | -0.31 | 0.02 | 0.56 | -0.34 |
| Malawi | Eastern Sub-Saharan Africa | both | 0.75 | 18.92 | 0.92 | 21.84 | 0.23 | 0.81 | -0.13 | 0.15 | 0.68 | -0.19 |
| Malaysia | Southeast Asia | both | 1.48 | 40.65 | 2.04 | 50.19 | 0.38 | 0.93 | -0.01 | 0.23 | 0.69 | -0.11 |
| Maldives | Southeast Asia | both | 3.44 | 69.24 | 1.92 | 34.95 | -0.44 | -0.10 | -0.65 | -0.50 | -0.17 | -0.69 |
| Mali | Western sub-Saharan Africa | both | 0.51 | 13.80 | 0.49 | 13.30 | -0.04 | 0.40 | -0.34 | -0.04 | 0.40 | -0.34 |
| Malta | Western Europe | both | 9.80 | 197.66 | 7.78 | 149.54 | -0.21 | -0.05 | -0.35 | -0.24 | -0.08 | -0.38 |
| Marshall Islands | Oceania | both | 4.14 | 100.11 | 4.60 | 103.36 | 0.11 | 0.69 | -0.27 | 0.03 | 0.57 | -0.33 |
| Mauritania | Western sub-Saharan Africa | both | 0.90 | 22.47 | 0.63 | 15.12 | -0.31 | 0.12 | -0.59 | -0.33 | 0.14 | -0.61 |
| Mauritius | Southeast Asia | both | 1.38 | 35.39 | 0.96 | 25.86 | -0.30 | -0.08 | -0.48 | -0.27 | -0.04 | -0.45 |
| Mexico | Central Latin America | both | 2.16 | 50.87 | 1.84 | 42.31 | -0.15 | 0.01 | -0.28 | -0.17 | -0.01 | -0.30 |
| Republic of Moldova | Eastern Europe | both | 1.47 | 45.10 | 0.81 | 23.87 | -0.45 | -0.30 | -0.56 | -0.47 | -0.34 | -0.58 |
| Mongolia | Central Asia | both | 3.74 | 96.39 | 2.85 | 73.39 | -0.24 | 0.21 | -0.51 | -0.24 | 0.20 | -0.51 |

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|---------------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Montenegro | Central Europe | both | 1.98 | 55.32 | 2.95 | 76.02 | 0.49 | 1.10 | 0.08 | 0.37 | 0.92 | 0.00 |
| Morocco | North Africa and Middle East | both | 1.13 | 34.68 | 1.35 | 37.72 | 0.19 | 0.94 | -0.22 | 0.09 | 0.64 | -0.28 |
| Mozambique | Eastern Sub-Saharan Africa | both | 0.85 | 19.50 | 1.40 | 32.13 | 0.66 | 1.50 | 0.15 | 0.65 | 1.47 | 0.11 |
| Myanmar | Southeast Asia | both | 1.60 | 43.75 | 2.26 | 56.62 | 0.41 | 1.22 | -0.03 | 0.29 | 1.02 | -0.13 |
| Namibia | Southern sub-Saharan Africa | both | 3.78 | 85.33 | 3.89 | 82.43 | 0.03 | 0.46 | -0.25 | -0.03 | 0.43 | -0.32 |
| Nepal | South Asia | both | 0.92 | 25.39 | 1.38 | 32.41 | 0.51 | 1.24 | -0.01 | 0.28 | 0.86 | -0.15 |
| Netherlands | Western Europe | both | 22.63 | 476.65 | 14.96 | 279.30 | -0.34 | -0.26 | -0.41 | -0.41 | -0.34 | -0.48 |
| New Zealand | Australasia | both | 13.11 | 270.28 | 8.46 | 158.98 | -0.35 | -0.28 | -0.42 | -0.41 | -0.33 | -0.48 |
| Nicaragua | Central Latin America | both | 0.51 | 13.37 | 0.90 | 21.61 | 0.76 | 1.35 | 0.29 | 0.62 | 1.13 | 0.20 |
| Niger | Western sub-Saharan Africa | both | 0.67 | 17.87 | 0.63 | 16.90 | -0.06 | 0.38 | -0.33 | -0.05 | 0.39 | -0.36 |
| Nigeria | Western sub-Saharan Africa | both | 0.51 | 13.38 | 0.45 | 11.10 | -0.13 | 0.31 | -0.40 | -0.17 | 0.23 | -0.43 |
| Democratic People's Republic of Korea | East Asia | both | 2.18 | 62.13 | 2.92 | 79.80 | 0.34 | 0.87 | -0.05 | 0.28 | 0.82 | -0.13 |
| Northern Mariana Islands | Oceania | both | 4.60 | 111.50 | 4.05 | 93.23 | -0.12 | 0.09 | -0.29 | -0.16 | 0.05 | -0.34 |
| Norway | Western Europe | both | 9.10 | 198.79 | 7.81 | 144.36 | -0.14 | 0.18 | -0.27 | -0.27 | 0.04 | -0.39 |
| Oman | North Africa and Middle East | both | 1.90 | 45.97 | 2.51 | 51.29 | 0.32 | 1.13 | -0.18 | 0.12 | 0.81 | -0.32 |
| Pakistan | South Asia | both | 1.24 | 33.98 | 2.27 | 59.72 | 0.82 | 1.61 | 0.23 | 0.76 | 1.48 | 0.23 |
| Palestine | North Africa and Middle East | both | 1.57 | 42.73 | 1.36 | 37.38 | -0.13 | 0.29 | -0.41 | -0.13 | 0.30 | -0.40 |
| Panama | Central Latin America | both | 1.21 | 30.74 | 1.11 | 27.24 | -0.08 | 0.27 | -0.35 | -0.11 | 0.22 | -0.38 |
| Papua New Guinea | Oceania | both | 1.52 | 38.03 | 2.33 | 55.36 | 0.54 | 1.42 | 0.01 | 0.46 | 1.36 | -0.07 |
| Paraguay | Tropical Latin America | both | 1.13 | 29.29 | 2.19 | 52.12 | 0.94 | 1.82 | 0.33 | 0.78 | 1.59 | 0.21 |
| Peru | Andean Latin America | both | 3.80 | 85.41 | 1.51 | 35.43 | -0.60 | -0.25 | -0.76 | -0.59 | -0.26 | -0.75 |
| Philippines | Southeast Asia | both | 2.12 | 58.62 | 1.66 | 45.93 | -0.22 | 0.08 | -0.40 | -0.22 | 0.09 | -0.41 |
| Poland | Central Europe | both | 3.99 | 110.57 | 7.28 | 165.93 | 0.82 | 1.51 | 0.33 | 0.50 | 1.10 | 0.10 |
| Portugal | Western Europe | both | 2.57 | 61.65 | 3.36 | 74.39 | 0.30 | 0.61 | 0.08 | 0.21 | 0.48 | 0.01 |

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|----------------------------------|------------------------------|------|------|--------|------|--------|-------|-------|-------|-------|-------|-------|
| Puerto Rico | Caribbean | both | 1.98 | 40.87 | 1.15 | 23.46 | -0.42 | -0.16 | -0.61 | -0.43 | -0.16 | -0.61 |
| Qatar | North Africa and Middle East | both | 1.82 | 49.03 | 2.09 | 46.75 | 0.15 | 0.95 | -0.31 | -0.05 | 0.66 | -0.43 |
| Romania | Central Europe | both | 2.65 | 81.29 | 3.05 | 82.66 | 0.15 | 0.56 | -0.16 | 0.02 | 0.38 | -0.25 |
| Russian Federation | Eastern Europe | both | 3.25 | 90.12 | 2.53 | 62.62 | -0.22 | -0.04 | -0.38 | -0.31 | -0.13 | -0.45 |
| Rwanda | Eastern Sub-Saharan Africa | both | 1.37 | 34.09 | 1.39 | 31.46 | 0.01 | 0.64 | -0.38 | -0.08 | 0.56 | -0.46 |
| Saint Lucia | Caribbean | both | 2.06 | 49.86 | 1.50 | 37.97 | -0.27 | -0.09 | -0.44 | -0.24 | -0.03 | -0.41 |
| Saint Vincent and the Grenadines | Caribbean | both | 1.26 | 31.53 | 1.45 | 36.20 | 0.15 | 0.42 | -0.06 | 0.15 | 0.43 | -0.07 |
| Samoa | Oceania | both | 1.45 | 36.38 | 1.28 | 30.83 | -0.12 | 0.29 | -0.39 | -0.15 | 0.28 | -0.44 |
| Sao Tome and Principe | Central sub-Saharan Africa | both | 0.82 | 21.71 | 1.07 | 26.46 | 0.30 | 0.95 | -0.11 | 0.22 | 0.82 | -0.18 |
| Saudi Arabia | North Africa and Middle East | both | 0.60 | 17.58 | 0.56 | 15.89 | -0.06 | 0.51 | -0.38 | -0.10 | 0.48 | -0.42 |
| Senegal | Western sub-Saharan Africa | both | 1.05 | 25.81 | 1.05 | 25.23 | 0.00 | 0.59 | -0.37 | -0.02 | 0.58 | -0.38 |
| Serbia | Central Europe | both | 3.06 | 85.71 | 4.42 | 114.41 | 0.44 | 1.17 | -0.05 | 0.33 | 1.03 | -0.10 |
| Seychelles | Southeast Asia | both | 2.32 | 61.53 | 1.99 | 52.32 | -0.14 | 0.10 | -0.34 | -0.15 | 0.08 | -0.34 |
| Sierra Leone | Western sub-Saharan Africa | both | 0.84 | 21.71 | 0.77 | 20.01 | -0.09 | 0.36 | -0.40 | -0.08 | 0.38 | -0.39 |
| Singapore | High-income Asia Pacific | both | 9.15 | 174.60 | 3.90 | 66.76 | -0.57 | -0.45 | -0.68 | -0.62 | -0.51 | -0.71 |
| Slovakia | Central Europe | both | 4.20 | 116.01 | 2.64 | 65.97 | -0.37 | -0.09 | -0.57 | -0.43 | -0.18 | -0.61 |
| Slovenia | Central Europe | both | 5.99 | 148.86 | 7.78 | 170.56 | 0.30 | 1.21 | -0.28 | 0.15 | 0.96 | -0.38 |
| Solomon Islands | Oceania | both | 3.26 | 84.29 | 4.87 | 126.98 | 0.49 | 1.34 | -0.02 | 0.51 | 1.35 | -0.05 |
| Somalia | Eastern Sub-Saharan Africa | both | 1.00 | 26.55 | 0.99 | 25.95 | 0.00 | 0.58 | -0.35 | -0.02 | 0.53 | -0.38 |
| South Africa | Southern sub-Saharan Africa | both | 5.93 | 140.28 | 4.87 | 99.95 | -0.18 | -0.02 | -0.33 | -0.29 | -0.14 | -0.42 |
| Republic of Korea | High-income Asia Pacific | both | 2.47 | 61.24 | 2.89 | 52.51 | 0.17 | 0.52 | -0.13 | -0.14 | 0.09 | -0.33 |
| South Sudan | Eastern Sub-Saharan Africa | both | 0.93 | 23.70 | 0.95 | 22.85 | 0.02 | 0.60 | -0.35 | -0.04 | 0.52 | -0.38 |
| Spain | Western Europe | both | 6.73 | 150.45 | 6.17 | 123.61 | -0.08 | 0.11 | -0.25 | -0.18 | -0.01 | -0.33 |
| Sri Lanka | Southeast Asia | both | 1.04 | 26.28 | 1.25 | 31.78 | 0.21 | 0.82 | -0.21 | 0.21 | 0.82 | -0.22 |

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|-----------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Sudan | North Africa and Middle East | both | 0.60 | 18.30 | 0.68 | 19.35 | 0.13 | 0.91 | -0.28 | 0.06 | 0.79 | -0.33 |
| Suriname | Caribbean | both | 1.46 | 37.41 | 1.78 | 46.00 | 0.22 | 0.58 | -0.07 | 0.23 | 0.60 | -0.06 |
| Eswatini | Southern sub-Saharan Africa | both | 6.33 | 147.53 | 6.11 | 140.00 | -0.03 | 0.49 | -0.36 | -0.05 | 0.53 | -0.39 |
| Sweden | Western Europe | both | 6.41 | 134.74 | 5.41 | 97.70 | -0.16 | -0.05 | -0.26 | -0.27 | -0.19 | -0.36 |
| Switzerland | Western Europe | both | 13.30 | 290.76 | 8.02 | 155.02 | -0.40 | -0.31 | -0.49 | -0.47 | -0.38 | -0.55 |
| Syrian Arab Republic | North Africa and Middle East | both | 0.81 | 25.45 | 0.88 | 24.96 | 0.09 | 0.80 | -0.30 | -0.02 | 0.58 | -0.36 |
| Taiwan (Province of China) | East Asia | both | 2.38 | 63.05 | 3.07 | 72.85 | 0.29 | 0.88 | -0.16 | 0.16 | 0.66 | -0.26 |
| Tajikistan | Central Asia | both | 1.32 | 41.69 | 0.96 | 26.90 | -0.27 | 0.05 | -0.48 | -0.35 | -0.07 | -0.53 |
| United Republic of Tanzania | Eastern Sub-Saharan Africa | both | 1.16 | 28.72 | 1.42 | 33.61 | 0.22 | 0.66 | -0.10 | 0.17 | 0.61 | -0.15 |
| Thailand | Southeast Asia | both | 3.09 | 83.99 | 2.24 | 56.25 | -0.28 | 0.11 | -0.53 | -0.33 | 0.01 | -0.56 |
| Bahamas | Caribbean | both | 2.72 | 68.26 | 2.08 | 52.25 | -0.24 | 0.04 | -0.44 | -0.23 | 0.07 | -0.44 |
| Gambia | Western sub-Saharan Africa | both | 0.55 | 13.92 | 0.66 | 16.64 | 0.19 | 0.86 | -0.28 | 0.20 | 0.91 | -0.29 |
| Timor-Leste | Southeast Asia | both | 1.13 | 32.31 | 1.92 | 47.47 | 0.70 | 1.68 | 0.06 | 0.47 | 1.22 | -0.06 |
| Togo | Western sub-Saharan Africa | both | 0.99 | 25.52 | 0.95 | 24.54 | -0.05 | 0.45 | -0.37 | -0.04 | 0.44 | -0.37 |
| Tonga | Oceania | both | 2.39 | 53.13 | 2.76 | 62.01 | 0.16 | 0.74 | -0.22 | 0.17 | 0.79 | -0.23 |
| Trinidad and Tobago | Caribbean | both | 1.49 | 38.39 | 1.31 | 35.00 | -0.13 | 0.25 | -0.41 | -0.09 | 0.30 | -0.39 |
| Tunisia | North Africa and Middle East | both | 1.35 | 38.89 | 1.45 | 39.39 | 0.07 | 0.82 | -0.35 | 0.01 | 0.59 | -0.37 |
| Turkey | North Africa and Middle East | both | 11.60 | 286.40 | 8.78 | 200.58 | -0.24 | 0.15 | -0.51 | -0.30 | 0.08 | -0.56 |
| Turkmenistan | Central Asia | both | 1.32 | 42.31 | 1.06 | 32.98 | -0.20 | 0.51 | -0.53 | -0.22 | 0.67 | -0.57 |
| Uganda | Eastern Sub-Saharan Africa | both | 0.72 | 18.02 | 1.09 | 25.67 | 0.51 | 1.28 | 0.03 | 0.42 | 1.16 | -0.02 |
| Ukraine | Eastern Europe | both | 3.71 | 106.61 | 2.72 | 76.22 | -0.27 | 0.04 | -0.52 | -0.29 | 0.06 | -0.55 |
| United Arab Emirates | North Africa and Middle East | both | 1.37 | 37.50 | 1.46 | 37.73 | 0.06 | 0.83 | -0.34 | 0.01 | 0.67 | -0.35 |
| United Kingdom | Western Europe | both | 20.10 | 418.29 | 13.94 | 252.77 | -0.31 | -0.25 | -0.37 | -0.40 | -0.34 | -0.45 |
| United States of America | High-income North America | both | 11.44 | 236.65 | 7.80 | 137.81 | -0.32 | -0.25 | -0.39 | -0.42 | -0.36 | -0.48 |

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|------------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Uruguay | Southern Latin America | both | 6.30 | 159.81 | 5.36 | 126.58 | -0.15 | -0.01 | -0.28 | -0.21 | -0.07 | -0.33 |
| Uzbekistan | Central Asia | both | 2.41 | 76.23 | 1.35 | 38.55 | -0.44 | -0.27 | -0.56 | -0.49 | -0.35 | -0.61 |
| Vanuatu | Oceania | both | 2.78 | 65.96 | 4.35 | 102.00 | 0.57 | 1.69 | 0.00 | 0.55 | 1.74 | -0.05 |
| Venezuela (Bolivarian Republic of) | Central Latin America | both | 1.83 | 50.11 | 1.94 | 50.93 | 0.06 | 0.49 | -0.27 | 0.02 | 0.41 | -0.31 |
| Viet nam | Southeast Asia | both | 2.04 | 55.81 | 3.38 | 90.05 | 0.66 | 1.40 | 0.11 | 0.61 | 1.38 | 0.07 |
| Virginia | Caribbean | both | 14.71 | 302.02 | 8.83 | 153.93 | -0.40 | -0.26 | -0.54 | -0.49 | -0.36 | -0.62 |
| Yemen | North Africa and Middle East | both | 0.72 | 21.89 | 0.78 | 21.66 | 0.08 | 0.84 | -0.31 | -0.01 | 0.64 | -0.37 |
| Zambia | Eastern Sub-Saharan Africa | both | 1.23 | 30.25 | 1.75 | 41.69 | 0.42 | 1.17 | -0.11 | 0.38 | 1.09 | -0.09 |
| Zimbabwe | Southern sub-Saharan Africa | both | 1.57 | 38.47 | 1.75 | 40.16 | 0.12 | 0.70 | -0.28 | 0.04 | 0.53 | -0.30 |
| Monaco | Western Europe | both | 14.63 | 311.79 | 18.26 | 357.37 | 0.25 | 0.80 | -0.12 | 0.15 | 0.70 | -0.22 |
| San Marino | Western Europe | both | 10.28 | 202.14 | 10.24 | 190.63 | 0.00 | 0.66 | -0.45 | -0.06 | 0.64 | -0.50 |
| Saint Kitts and Nevis | Caribbean | both | 4.06 | 93.39 | 3.32 | 75.61 | -0.18 | 0.04 | -0.35 | -0.19 | 0.06 | -0.40 |
| Cook Islands | Oceania | both | 3.58 | 84.80 | 3.11 | 72.75 | -0.13 | 0.17 | -0.35 | -0.14 | 0.20 | -0.37 |
| Nauru | Oceania | both | 4.63 | 115.53 | 4.94 | 118.88 | 0.07 | 0.55 | -0.27 | 0.03 | 0.50 | -0.30 |
| Niue | Oceania | both | 2.70 | 68.21 | 3.12 | 74.31 | 0.16 | 0.60 | -0.19 | 0.09 | 0.54 | -0.25 |
| Palau | Oceania | both | 3.41 | 87.60 | 3.79 | 94.84 | 0.11 | 0.60 | -0.25 | 0.08 | 0.57 | -0.27 |
| Tokelau | Oceania | both | 2.10 | 50.79 | 2.48 | 57.64 | 0.18 | 0.69 | -0.16 | 0.13 | 0.68 | -0.22 |
| Tuvalu | Oceania | both | 3.01 | 76.89 | 3.30 | 78.50 | 0.10 | 0.69 | -0.27 | 0.02 | 0.63 | -0.33 |
| Afghanistan | North Africa and Middle East | male | 2.16 | 64.44 | 2.04 | 56.05 | -0.05 | 0.67 | -0.42 | -0.13 | 0.49 | -0.46 |
| Albania | Central Europe | male | 2.65 | 65.60 | 2.95 | 69.84 | 0.11 | 0.77 | -0.32 | 0.06 | 0.67 | -0.32 |
| Algeria | North Africa and Middle East | male | 1.34 | 39.56 | 1.07 | 28.50 | -0.20 | 0.23 | -0.48 | -0.28 | 0.06 | -0.52 |
| American Samoa | Oceania | male | 7.83 | 165.96 | 6.52 | 135.82 | -0.17 | 0.10 | -0.36 | -0.18 | 0.09 | -0.38 |
| Andorra | Western Europe | male | 35.26 | 700.85 | 27.10 | 519.99 | -0.23 | 0.15 | -0.50 | -0.26 | 0.16 | -0.54 |
| Angola | Central sub-Saharan Africa | male | 3.27 | 89.17 | 2.76 | 67.12 | -0.16 | 0.31 | -0.48 | -0.25 | 0.20 | -0.53 |

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|----------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Antigua and Barbuda | Caribbean | male | 2.71 | 63.02 | 1.63 | 38.39 | -0.40 | -0.23 | -0.54 | -0.39 | -0.23 | -0.53 |
| Argentina | Southern Latin America | male | 9.22 | 227.72 | 9.50 | 206.80 | 0.03 | 0.21 | -0.12 | -0.09 | 0.06 | -0.22 |
| Armenia | Central Asia | male | 9.92 | 262.19 | 11.02 | 249.95 | 0.11 | 0.44 | -0.17 | -0.05 | 0.25 | -0.30 |
| Australia | Australasia | male | 30.55 | 616.03 | 17.64 | 311.70 | -0.42 | -0.37 | -0.48 | -0.49 | -0.44 | -0.55 |
| Austria | Western Europe | male | 15.03 | 304.81 | 10.68 | 207.73 | -0.29 | -0.15 | -0.40 | -0.32 | -0.18 | -0.43 |
| Azerbaijan | Central Asia | male | 3.86 | 118.73 | 3.30 | 94.79 | -0.14 | 0.23 | -0.43 | -0.20 | 0.15 | -0.47 |
| Bahrain | North Africa and Middle East | male | 11.47 | 213.78 | 10.34 | 155.63 | -0.10 | 0.41 | -0.51 | -0.27 | 0.14 | -0.59 |
| Bangladesh | South Asia | male | 2.03 | 51.87 | 1.36 | 34.86 | -0.33 | 0.08 | -0.61 | -0.33 | 0.06 | -0.60 |
| Barbados | Caribbean | male | 2.68 | 59.86 | 2.26 | 49.05 | -0.16 | 0.10 | -0.37 | -0.18 | 0.07 | -0.39 |
| Belarus | Eastern Europe | male | 4.74 | 136.79 | 3.81 | 95.15 | -0.20 | 0.26 | -0.47 | -0.30 | 0.09 | -0.54 |
| Belgium | Western Europe | male | 44.18 | 841.88 | 25.94 | 473.44 | -0.41 | -0.34 | -0.48 | -0.44 | -0.35 | -0.52 |
| Belize | Caribbean | male | 4.01 | 85.16 | 5.31 | 125.43 | 0.32 | 0.71 | 0.02 | 0.47 | 0.90 | 0.13 |
| Benin | Western sub-Saharan Africa | male | 1.63 | 40.21 | 1.50 | 37.49 | -0.08 | 0.38 | -0.39 | -0.07 | 0.40 | -0.38 |
| Bermuda | Caribbean | male | 27.71 | 567.24 | 11.31 | 208.26 | -0.59 | -0.46 | -0.70 | -0.63 | -0.51 | -0.73 |
| Bhutan | South Asia | male | 1.21 | 29.90 | 1.90 | 39.00 | 0.57 | 1.47 | -0.06 | 0.30 | 1.08 | -0.21 |
| Bolivia (Plurinational State of) | Andean Latin America | male | 4.36 | 95.18 | 5.41 | 106.48 | 0.24 | 0.88 | -0.17 | 0.12 | 0.70 | -0.27 |
| Bosnia and Herzegovina | Central Europe | male | 8.56 | 210.81 | 6.86 | 159.26 | -0.20 | 0.19 | -0.49 | -0.24 | 0.13 | -0.52 |
| Botswana | Southern sub-Saharan Africa | male | 13.56 | 297.60 | 13.71 | 276.51 | 0.01 | 0.48 | -0.32 | -0.07 | 0.38 | -0.40 |
| Brazil | Tropical Latin America | male | 4.79 | 113.46 | 4.23 | 92.12 | -0.12 | -0.04 | -0.19 | -0.19 | -0.12 | -0.25 |
| Brunei Darussalam | High-income Asia Pacific | male | 14.58 | 252.12 | 13.88 | 204.21 | -0.05 | 0.42 | -0.33 | -0.19 | 0.23 | -0.43 |
| Bulgaria | Central Europe | male | 2.79 | 86.38 | 4.32 | 123.31 | 0.55 | 1.22 | 0.11 | 0.43 | 1.07 | 0.03 |
| Burkina Faso | Western sub-Saharan Africa | male | 1.19 | 29.62 | 1.12 | 28.68 | -0.06 | 0.40 | -0.35 | -0.03 | 0.40 | -0.33 |
| Burundi | Eastern Sub-Saharan Africa | male | 2.16 | 53.44 | 1.47 | 35.40 | -0.32 | 0.01 | -0.58 | -0.34 | 0.01 | -0.58 |
| Cambodia | Southeast Asia | male | 4.62 | 119.10 | 6.81 | 152.46 | 0.47 | 1.23 | -0.06 | 0.28 | 0.96 | -0.19 |

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|----------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Cameroon | Western sub-Saharan Africa | male | 1.88 | 45.22 | 2.23 | 53.64 | 0.18 | 0.91 | -0.28 | 0.19 | 0.90 | -0.27 |
| Canada | High-income North America | male | 28.65 | 557.48 | 17.40 | 292.97 | -0.39 | -0.31 | -0.48 | -0.47 | -0.39 | -0.56 |
| Cabo Verde | Western sub-Saharan Africa | male | 0.69 | 19.97 | 1.48 | 35.46 | 1.14 | 2.18 | 0.42 | 0.78 | 1.45 | 0.27 |
| Central African Republic | Central sub-Saharan Africa | male | 3.66 | 97.01 | 2.97 | 75.81 | -0.19 | 0.11 | -0.43 | -0.22 | 0.08 | -0.45 |
| Chad | Western sub-Saharan Africa | male | 0.95 | 24.36 | 1.18 | 30.64 | 0.25 | 0.95 | -0.19 | 0.26 | 0.92 | -0.19 |
| Chile | Southern Latin America | male | 6.84 | 152.15 | 4.67 | 93.75 | -0.32 | -0.17 | -0.44 | -0.38 | -0.27 | -0.49 |
| China | East Asia | male | 3.92 | 99.27 | 5.38 | 116.51 | 0.37 | 0.92 | -0.02 | 0.17 | 0.66 | -0.16 |
| Colombia | Central Latin America | male | 2.75 | 69.53 | 2.24 | 52.59 | -0.19 | 0.16 | -0.44 | -0.24 | 0.08 | -0.47 |
| Comoros | Eastern Sub-Saharan Africa | male | 1.36 | 32.79 | 1.55 | 35.64 | 0.14 | 1.29 | -0.26 | 0.09 | 1.56 | -0.33 |
| Congo | Central sub-Saharan Africa | male | 4.71 | 114.46 | 2.83 | 62.48 | -0.40 | -0.05 | -0.62 | -0.45 | -0.11 | -0.66 |
| Costa Rica | Central Latin America | male | 2.14 | 48.72 | 1.73 | 38.55 | -0.19 | 0.12 | -0.43 | -0.21 | 0.08 | -0.43 |
| Côte d'Ivoire | Western sub-Saharan Africa | male | 1.82 | 44.56 | 1.69 | 41.34 | -0.07 | 0.38 | -0.38 | -0.07 | 0.36 | -0.40 |
| Croatia | Central Europe | male | 10.37 | 249.89 | 20.44 | 430.42 | 0.97 | 1.94 | 0.31 | 0.72 | 1.61 | 0.12 |
| Cuba | Caribbean | male | 4.81 | 113.12 | 4.88 | 115.93 | 0.01 | 0.34 | -0.24 | 0.02 | 0.35 | -0.23 |
| Cyprus | Western Europe | male | 15.22 | 292.65 | 13.31 | 232.42 | -0.13 | 0.12 | -0.32 | -0.21 | 0.04 | -0.39 |
| Czechia | Central Europe | male | 13.53 | 337.00 | 6.99 | 149.02 | -0.48 | -0.28 | -0.63 | -0.56 | -0.38 | -0.69 |
| Democratic Republic of the Congo | Central sub-Saharan Africa | male | 2.69 | 68.13 | 2.14 | 52.28 | -0.20 | 0.22 | -0.49 | -0.23 | 0.19 | -0.52 |
| Denmark | Western Europe | male | 28.39 | 593.56 | 20.03 | 366.55 | -0.29 | -0.18 | -0.40 | -0.38 | -0.27 | -0.48 |
| Djibouti | Eastern Sub-Saharan Africa | male | 1.35 | 31.71 | 1.92 | 41.34 | 0.42 | 1.28 | -0.10 | 0.30 | 1.12 | -0.18 |
| Dominica | Caribbean | male | 6.47 | 134.26 | 6.82 | 137.77 | 0.05 | 0.44 | -0.25 | 0.03 | 0.41 | -0.29 |
| Dominican Republic | Caribbean | male | 1.64 | 42.70 | 2.81 | 69.41 | 0.71 | 1.58 | 0.13 | 0.63 | 1.46 | 0.07 |
| Ecuador | Andean Latin America | male | 1.50 | 35.90 | 2.21 | 44.52 | 0.47 | 1.04 | 0.04 | 0.24 | 0.73 | -0.11 |
| Egypt | North Africa and Middle East | male | 0.61 | 19.27 | 1.15 | 34.15 | 0.88 | 1.92 | 0.19 | 0.77 | 1.65 | 0.15 |
| El Salvador | Central Latin America | male | 0.79 | 23.70 | 1.22 | 34.04 | 0.54 | 1.16 | 0.06 | 0.44 | 1.02 | 0.00 |

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|----------------------------------|----------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Equatorial Guinea | Central sub-Saharan Africa | male | 2.76 | 69.49 | 2.72 | 59.07 | -0.02 | 0.94 | -0.56 | -0.15 | 0.73 | -0.63 |
| Eritrea | Eastern Sub-Saharan Africa | male | 1.90 | 49.20 | 2.23 | 54.34 | 0.18 | 1.16 | -0.20 | 0.10 | 0.95 | -0.24 |
| Estonia | Eastern Europe | male | 7.35 | 193.15 | 5.90 | 117.80 | -0.20 | 0.22 | -0.48 | -0.39 | -0.05 | -0.61 |
| Ethiopia | Eastern Sub-Saharan Africa | male | 1.62 | 39.81 | 1.40 | 32.40 | -0.14 | 0.36 | -0.47 | -0.19 | 0.31 | -0.51 |
| Micronesia (Federated States of) | Oceania | male | 7.75 | 181.09 | 10.38 | 231.80 | 0.34 | 1.16 | -0.23 | 0.28 | 1.09 | -0.32 |
| Fiji | Oceania | male | 2.21 | 50.68 | 3.48 | 72.52 | 0.57 | 1.53 | 0.00 | 0.43 | 1.24 | -0.10 |
| Finland | Western Europe | male | 23.51 | 465.73 | 13.40 | 238.50 | -0.43 | -0.32 | -0.53 | -0.49 | -0.38 | -0.58 |
| France | Western Europe | male | 26.15 | 543.57 | 22.99 | 474.81 | -0.12 | 0.01 | -0.24 | -0.13 | 0.03 | -0.27 |
| Gabon | Central sub-Saharan Africa | male | 4.40 | 102.84 | 3.75 | 79.00 | -0.15 | 0.30 | -0.45 | -0.23 | 0.20 | -0.51 |
| Georgia | Central Asia | male | 3.91 | 123.40 | 11.50 | 299.09 | 1.94 | 3.57 | 0.91 | 1.42 | 2.76 | 0.61 |
| Germany | Western Europe | male | 21.92 | 448.25 | 16.26 | 298.17 | -0.26 | -0.13 | -0.37 | -0.33 | -0.21 | -0.44 |
| Ghana | Western sub-Saharan Africa | male | 2.09 | 51.89 | 1.51 | 37.33 | -0.28 | 0.11 | -0.52 | -0.28 | 0.10 | -0.52 |
| Greece | Western Europe | male | 12.67 | 254.15 | 10.70 | 212.00 | -0.16 | 0.06 | -0.32 | -0.17 | 0.06 | -0.33 |
| Greenland | High-income North America | male | 22.95 | 444.90 | 33.07 | 592.85 | 0.44 | 1.05 | -0.11 | 0.33 | 0.89 | -0.17 |
| Grenada | Caribbean | male | 6.91 | 141.70 | 3.12 | 73.22 | -0.55 | -0.41 | -0.64 | -0.48 | -0.34 | -0.59 |
| Guam | Oceania | male | 8.12 | 166.47 | 5.69 | 124.82 | -0.30 | 0.01 | -0.51 | -0.25 | 0.06 | -0.48 |
| Guatemala | Central Latin America | male | 1.09 | 28.74 | 1.29 | 31.83 | 0.18 | 0.68 | -0.18 | 0.11 | 0.57 | -0.23 |
| Guinea | Western sub-Saharan Africa | male | 0.92 | 23.72 | 1.25 | 32.87 | 0.37 | 1.21 | -0.17 | 0.39 | 1.17 | -0.14 |
| Guinea-Bissau | Western sub-Saharan Africa | male | 2.85 | 71.00 | 2.26 | 56.77 | -0.21 | 0.27 | -0.49 | -0.20 | 0.28 | -0.49 |
| Guyana | Caribbean | male | 2.15 | 55.17 | 2.14 | 53.73 | 0.00 | 0.47 | -0.33 | -0.03 | 0.45 | -0.35 |
| Haiti | Caribbean | male | 3.74 | 85.89 | 3.60 | 78.53 | -0.04 | 0.52 | -0.38 | -0.09 | 0.49 | -0.42 |
| Honduras | Central Latin America | male | 1.70 | 44.78 | 4.11 | 94.21 | 1.42 | 2.72 | 0.50 | 1.10 | 2.17 | 0.36 |
| Hungary | Central Europe | male | 7.64 | 203.81 | 8.38 | 205.07 | 0.10 | 0.48 | -0.21 | 0.01 | 0.37 | -0.27 |
| Iceland | Western Europe | male | 13.63 | 266.84 | 12.52 | 236.27 | -0.08 | 0.10 | -0.25 | -0.11 | 0.06 | -0.27 |

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|----------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| India | South Asia | male | 1.61 | 40.41 | 2.32 | 54.32 | 0.44 | 0.98 | -0.02 | 0.34 | 0.81 | -0.06 |
| Indonesia | Southeast Asia | male | 1.95 | 53.55 | 4.07 | 93.23 | 1.09 | 1.94 | 0.42 | 0.74 | 1.41 | 0.21 |
| Iran (Islamic Republic of) | North Africa and Middle East | male | 1.15 | 33.74 | 1.38 | 37.02 | 0.20 | 0.59 | -0.10 | 0.10 | 0.43 | -0.16 |
| Iraq | North Africa and Middle East | male | 5.13 | 113.55 | 5.26 | 108.93 | 0.02 | 0.62 | -0.32 | -0.04 | 0.51 | -0.38 |
| Ireland | Western Europe | male | 20.94 | 404.98 | 11.96 | 206.58 | -0.43 | -0.28 | -0.56 | -0.49 | -0.36 | -0.60 |
| Israel | Western Europe | male | 7.75 | 163.50 | 6.62 | 130.51 | -0.15 | 0.04 | -0.31 | -0.20 | -0.03 | -0.36 |
| Italy | Western Europe | male | 28.89 | 616.17 | 18.54 | 331.83 | -0.36 | -0.29 | -0.43 | -0.46 | -0.40 | -0.53 |
| Jamaica | Caribbean | male | 3.91 | 93.74 | 4.61 | 111.12 | 0.18 | 0.63 | -0.17 | 0.19 | 0.64 | -0.17 |
| Japan | High-income Asia Pacific | male | 9.98 | 175.99 | 10.92 | 178.15 | 0.09 | 0.24 | -0.06 | 0.01 | 0.16 | -0.12 |
| Jordan | North Africa and Middle East | male | 4.51 | 97.65 | 3.78 | 74.50 | -0.16 | 0.33 | -0.46 | -0.24 | 0.22 | -0.52 |
| Kazakhstan | Central Asia | male | 12.49 | 342.67 | 5.89 | 146.15 | -0.53 | -0.40 | -0.63 | -0.57 | -0.46 | -0.67 |
| Kenya | Eastern Sub-Saharan Africa | male | 0.97 | 23.76 | 1.76 | 40.55 | 0.82 | 1.61 | 0.24 | 0.71 | 1.42 | 0.19 |
| Kiribati | Oceania | male | 1.98 | 47.63 | 2.46 | 58.76 | 0.24 | 0.98 | -0.19 | 0.23 | 1.07 | -0.25 |
| Kuwait | North Africa and Middle East | male | 1.76 | 40.36 | 3.30 | 58.39 | 0.88 | 1.66 | 0.36 | 0.45 | 1.06 | 0.04 |
| Kyrgyzstan | Central Asia | male | 4.60 | 138.71 | 2.43 | 64.93 | -0.47 | -0.34 | -0.58 | -0.53 | -0.42 | -0.63 |
| Lao People's Democratic Republic | Southeast Asia | male | 3.38 | 92.93 | 3.61 | 88.23 | 0.07 | 0.64 | -0.33 | -0.05 | 0.51 | -0.42 |
| Latvia | Eastern Europe | male | 6.53 | 171.41 | 5.54 | 123.91 | -0.15 | 0.26 | -0.44 | -0.28 | 0.10 | -0.52 |
| Lebanon | North Africa and Middle East | male | 2.60 | 76.03 | 3.08 | 84.93 | 0.19 | 0.97 | -0.20 | 0.12 | 0.85 | -0.26 |
| Lesotho | Southern sub-Saharan Africa | male | 11.80 | 266.12 | 19.20 | 448.68 | 0.63 | 1.57 | 0.05 | 0.69 | 1.74 | 0.04 |
| Liberia | Western sub-Saharan Africa | male | 1.21 | 30.45 | 1.04 | 26.56 | -0.14 | 0.31 | -0.45 | -0.13 | 0.33 | -0.45 |
| Libya | North Africa and Middle East | male | 2.77 | 80.35 | 2.51 | 65.82 | -0.09 | 0.55 | -0.44 | -0.18 | 0.34 | -0.48 |
| Lithuania | Eastern Europe | male | 7.95 | 195.62 | 4.28 | 96.41 | -0.46 | -0.26 | -0.62 | -0.51 | -0.32 | -0.65 |
| Luxembourg | Western Europe | male | 33.91 | 674.91 | 17.70 | 318.45 | -0.48 | -0.34 | -0.59 | -0.53 | -0.39 | -0.63 |
| North Macedonia | Central Europe | male | 2.46 | 71.27 | 3.15 | 87.73 | 0.28 | 0.84 | -0.14 | 0.23 | 0.77 | -0.17 |

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|---------------------------------------|------------------------------|------|-------|---------|-------|--------|-------|-------|-------|-------|-------|-------|
| Madagascar | Eastern Sub-Saharan Africa | male | 0.94 | 24.51 | 0.95 | 23.93 | 0.01 | 0.48 | -0.33 | -0.02 | 0.44 | -0.36 |
| Malawi | Eastern Sub-Saharan Africa | male | 0.88 | 21.42 | 1.31 | 30.11 | 0.48 | 1.24 | 0.05 | 0.41 | 1.09 | 0.01 |
| Malaysia | Southeast Asia | male | 2.55 | 67.64 | 3.37 | 80.00 | 0.33 | 0.92 | -0.07 | 0.18 | 0.66 | -0.15 |
| Maldives | Southeast Asia | male | 5.17 | 106.07 | 3.32 | 57.65 | -0.36 | 0.04 | -0.60 | -0.46 | -0.10 | -0.67 |
| Mali | Western sub-Saharan Africa | male | 0.66 | 16.80 | 0.64 | 17.13 | -0.03 | 0.49 | -0.38 | 0.02 | 0.55 | -0.35 |
| Malta | Western Europe | male | 21.59 | 421.99 | 16.24 | 298.49 | -0.25 | -0.10 | -0.38 | -0.29 | -0.15 | -0.42 |
| Marshall Islands | Oceania | male | 8.36 | 189.30 | 8.05 | 177.98 | -0.04 | 0.49 | -0.37 | -0.06 | 0.47 | -0.39 |
| Mauritania | Western sub-Saharan Africa | male | 1.36 | 31.98 | 0.92 | 22.19 | -0.32 | 0.18 | -0.61 | -0.31 | 0.25 | -0.62 |
| Mauritius | Southeast Asia | male | 2.82 | 67.48 | 1.73 | 43.36 | -0.39 | -0.19 | -0.55 | -0.36 | -0.16 | -0.52 |
| Mexico | Central Latin America | male | 3.56 | 83.72 | 3.07 | 68.65 | -0.14 | 0.06 | -0.31 | -0.18 | 0.01 | -0.34 |
| Republic of Moldova | Eastern Europe | male | 2.86 | 86.71 | 1.50 | 43.19 | -0.48 | -0.34 | -0.59 | -0.50 | -0.37 | -0.61 |
| Mongolia | Central Asia | male | 6.99 | 172.72 | 5.83 | 143.23 | -0.17 | 0.36 | -0.48 | -0.17 | 0.36 | -0.48 |
| Montenegro | Central Europe | male | 3.22 | 91.22 | 4.82 | 122.50 | 0.49 | 1.21 | 0.03 | 0.34 | 0.97 | -0.07 |
| Morocco | North Africa and Middle East | male | 2.13 | 65.70 | 2.50 | 69.73 | 0.17 | 0.98 | -0.24 | 0.06 | 0.64 | -0.31 |
| Mozambique | Eastern Sub-Saharan Africa | male | 1.14 | 24.72 | 2.17 | 47.20 | 0.91 | 2.14 | 0.32 | 0.91 | 2.00 | 0.31 |
| Myanmar | Southeast Asia | male | 2.84 | 73.34 | 4.28 | 100.44 | 0.51 | 1.47 | -0.01 | 0.37 | 1.21 | -0.10 |
| Namibia | Southern sub-Saharan Africa | male | 7.68 | 168.61 | 8.51 | 175.11 | 0.11 | 0.58 | -0.19 | 0.04 | 0.54 | -0.26 |
| Nepal | South Asia | male | 1.26 | 34.03 | 2.07 | 46.99 | 0.64 | 1.62 | 0.00 | 0.38 | 1.09 | -0.12 |
| Netherlands | Western Europe | male | 52.03 | 1037.56 | 27.91 | 496.41 | -0.46 | -0.41 | -0.51 | -0.52 | -0.47 | -0.57 |
| New Zealand | Australasia | male | 26.99 | 525.15 | 14.89 | 269.26 | -0.45 | -0.38 | -0.51 | -0.49 | -0.41 | -0.55 |
| Nicaragua | Central Latin America | male | 0.86 | 20.87 | 1.40 | 31.92 | 0.63 | 1.23 | 0.16 | 0.53 | 1.09 | 0.10 |
| Niger | Western sub-Saharan Africa | male | 1.03 | 26.75 | 1.00 | 26.38 | -0.02 | 0.48 | -0.33 | -0.01 | 0.49 | -0.33 |
| Nigeria | Western sub-Saharan Africa | male | 0.76 | 19.04 | 0.62 | 15.26 | -0.19 | 0.40 | -0.50 | -0.20 | 0.37 | -0.50 |
| Democratic People's Republic of Korea | East Asia | male | 3.74 | 101.59 | 4.96 | 127.66 | 0.33 | 0.90 | -0.10 | 0.26 | 0.81 | -0.16 |

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|----------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Northern Mariana Islands | Oceania | male | 7.20 | 162.18 | 6.86 | 145.42 | -0.05 | 0.21 | -0.23 | -0.10 | 0.13 | -0.30 |
| Norway | Western Europe | male | 12.44 | 250.91 | 12.46 | 219.61 | 0.00 | 0.14 | -0.12 | -0.12 | 0.00 | -0.24 |
| Oman | North Africa and Middle East | male | 3.66 | 82.28 | 4.75 | 91.11 | 0.30 | 1.17 | -0.20 | 0.11 | 0.81 | -0.33 |
| Pakistan | South Asia | male | 2.00 | 56.11 | 3.78 | 100.80 | 0.89 | 1.77 | 0.24 | 0.80 | 1.62 | 0.22 |
| Palestine | North Africa and Middle East | male | 3.34 | 90.87 | 2.66 | 70.87 | -0.20 | 0.20 | -0.46 | -0.22 | 0.16 | -0.47 |
| Panama | Central Latin America | male | 2.03 | 50.70 | 1.80 | 41.83 | -0.11 | 0.23 | -0.38 | -0.17 | 0.15 | -0.43 |
| Papua New Guinea | Oceania | male | 2.68 | 62.88 | 4.02 | 89.70 | 0.50 | 1.39 | -0.03 | 0.43 | 1.34 | -0.11 |
| Paraguay | Tropical Latin America | male | 1.82 | 46.79 | 3.74 | 87.23 | 1.05 | 2.10 | 0.36 | 0.86 | 1.76 | 0.24 |
| Peru | Andean Latin America | male | 6.44 | 139.60 | 1.92 | 43.75 | -0.70 | -0.34 | -0.83 | -0.69 | -0.36 | -0.82 |
| Philippines | Southeast Asia | male | 3.61 | 98.11 | 2.87 | 75.86 | -0.20 | 0.17 | -0.43 | -0.23 | 0.13 | -0.45 |
| Poland | Central Europe | male | 7.86 | 212.94 | 14.75 | 318.85 | 0.88 | 1.61 | 0.29 | 0.50 | 1.13 | 0.02 |
| Portugal | Western Europe | male | 5.40 | 121.82 | 6.93 | 145.67 | 0.28 | 0.60 | 0.04 | 0.20 | 0.48 | -0.02 |
| Puerto Rico | Caribbean | male | 3.98 | 78.48 | 2.30 | 43.69 | -0.42 | -0.16 | -0.62 | -0.44 | -0.18 | -0.63 |
| Qatar | North Africa and Middle East | male | 2.67 | 69.09 | 2.58 | 57.82 | -0.04 | 0.66 | -0.43 | -0.16 | 0.48 | -0.51 |
| Romania | Central Europe | male | 4.63 | 142.47 | 5.41 | 145.18 | 0.17 | 0.62 | -0.15 | 0.02 | 0.41 | -0.25 |
| Russian Federation | Eastern Europe | male | 7.42 | 193.83 | 5.29 | 123.90 | -0.29 | -0.08 | -0.46 | -0.36 | -0.17 | -0.51 |
| Rwanda | Eastern Sub-Saharan Africa | male | 1.95 | 46.45 | 2.03 | 44.30 | 0.04 | 0.63 | -0.35 | -0.05 | 0.57 | -0.42 |
| Saint Lucia | Caribbean | male | 3.71 | 79.89 | 2.32 | 55.37 | -0.38 | -0.19 | -0.52 | -0.31 | -0.11 | -0.47 |
| Saint Vincent and the Grenadines | Caribbean | male | 2.36 | 54.09 | 2.32 | 54.99 | -0.02 | 0.23 | -0.20 | 0.02 | 0.28 | -0.18 |
| Samoa | Oceania | male | 2.54 | 59.92 | 2.16 | 49.30 | -0.15 | 0.24 | -0.41 | -0.18 | 0.24 | -0.45 |
| Sao Tome and Principe | Central sub-Saharan Africa | male | 1.36 | 35.36 | 1.76 | 42.55 | 0.29 | 1.02 | -0.13 | 0.20 | 0.85 | -0.20 |
| Saudi Arabia | North Africa and Middle East | male | 0.92 | 26.99 | 0.84 | 23.73 | -0.09 | 0.49 | -0.42 | -0.12 | 0.46 | -0.44 |
| Senegal | Western sub-Saharan Africa | male | 1.77 | 42.69 | 1.84 | 43.40 | 0.04 | 0.73 | -0.34 | 0.02 | 0.66 | -0.35 |
| Serbia | Central Europe | male | 5.57 | 155.61 | 7.82 | 198.17 | 0.40 | 1.16 | -0.10 | 0.27 | 0.98 | -0.17 |

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|-----------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Seychelles | Southeast Asia | male | 4.85 | 117.38 | 3.62 | 87.94 | -0.25 | 0.00 | -0.43 | -0.25 | -0.01 | -0.44 |
| Sierra Leone | Western sub-Saharan Africa | male | 1.33 | 33.79 | 1.18 | 29.81 | -0.11 | 0.37 | -0.43 | -0.12 | 0.34 | -0.44 |
| Singapore | High-income Asia Pacific | male | 18.73 | 326.08 | 7.62 | 119.78 | -0.59 | -0.49 | -0.69 | -0.63 | -0.54 | -0.71 |
| Slovakia | Central Europe | male | 8.70 | 235.91 | 5.12 | 122.38 | -0.41 | -0.13 | -0.60 | -0.48 | -0.24 | -0.65 |
| Slovenia | Central Europe | male | 12.20 | 292.31 | 14.98 | 310.85 | 0.23 | 1.07 | -0.31 | 0.06 | 0.83 | -0.42 |
| Solomon Islands | Oceania | male | 5.27 | 134.65 | 8.14 | 206.63 | 0.55 | 1.43 | -0.02 | 0.53 | 1.43 | -0.06 |
| Somalia | Eastern Sub-Saharan Africa | male | 1.54 | 40.53 | 1.61 | 41.13 | 0.04 | 0.60 | -0.30 | 0.01 | 0.56 | -0.33 |
| South Africa | Southern sub-Saharan Africa | male | 12.05 | 278.56 | 10.32 | 203.70 | -0.14 | 0.06 | -0.33 | -0.27 | -0.09 | -0.43 |
| Republic of Korea | High-income Asia Pacific | male | 5.38 | 122.63 | 6.33 | 104.40 | 0.18 | 0.55 | -0.15 | -0.15 | 0.10 | -0.36 |
| South Sudan | Eastern Sub-Saharan Africa | male | 1.17 | 29.40 | 1.21 | 28.95 | 0.04 | 0.64 | -0.31 | -0.02 | 0.58 | -0.33 |
| Spain | Western Europe | male | 14.82 | 316.99 | 12.73 | 241.92 | -0.14 | 0.04 | -0.30 | -0.24 | -0.07 | -0.38 |
| Sri Lanka | Southeast Asia | male | 1.74 | 43.18 | 2.34 | 56.00 | 0.34 | 1.09 | -0.15 | 0.30 | 1.01 | -0.19 |
| Sudan | North Africa and Middle East | male | 1.00 | 30.51 | 1.08 | 30.56 | 0.08 | 0.91 | -0.34 | 0.00 | 0.79 | -0.38 |
| Suriname | Caribbean | male | 2.45 | 59.57 | 2.89 | 71.28 | 0.18 | 0.57 | -0.13 | 0.20 | 0.59 | -0.12 |
| Eswatini | Southern sub-Saharan Africa | male | 13.95 | 309.20 | 14.88 | 324.68 | 0.07 | 0.62 | -0.29 | 0.05 | 0.65 | -0.32 |
| Sweden | Western Europe | male | 12.60 | 249.49 | 9.16 | 157.63 | -0.27 | -0.18 | -0.36 | -0.37 | -0.28 | -0.45 |
| Switzerland | Western Europe | male | 29.31 | 608.53 | 15.19 | 281.18 | -0.48 | -0.40 | -0.55 | -0.54 | -0.46 | -0.61 |
| Syrian Arab Republic | North Africa and Middle East | male | 1.44 | 45.37 | 1.60 | 45.80 | 0.11 | 0.84 | -0.29 | 0.01 | 0.64 | -0.35 |
| Taiwan (Province of China) | East Asia | male | 3.13 | 81.09 | 4.55 | 104.62 | 0.45 | 1.11 | 0.02 | 0.29 | 0.84 | -0.09 |
| Tajikistan | Central Asia | male | 2.25 | 68.76 | 1.55 | 40.82 | -0.31 | 0.02 | -0.52 | -0.41 | -0.13 | -0.58 |
| United Republic of Tanzania | Eastern Sub-Saharan Africa | male | 1.57 | 38.52 | 1.93 | 44.92 | 0.23 | 0.69 | -0.12 | 0.17 | 0.62 | -0.18 |
| Thailand | Southeast Asia | male | 5.64 | 140.07 | 4.00 | 92.12 | -0.29 | 0.14 | -0.56 | -0.34 | 0.02 | -0.59 |
| Bahamas | Caribbean | male | 5.79 | 134.30 | 3.91 | 92.20 | -0.33 | -0.06 | -0.51 | -0.31 | -0.03 | -0.51 |
| Gambia | Western sub-Saharan Africa | male | 0.81 | 20.06 | 1.00 | 24.72 | 0.23 | 0.97 | -0.26 | 0.23 | 0.99 | -0.27 |

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|------------------------------------|------------------------------|------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-------|
| Timor-Leste | Southeast Asia | male | 1.81 | 50.40 | 3.01 | 70.41 | 0.67 | 1.85 | 0.02 | 0.40 | 1.25 | -0.15 |
| Togo | Western sub-Saharan Africa | male | 1.56 | 38.54 | 1.76 | 43.13 | 0.13 | 0.84 | -0.31 | 0.12 | 0.77 | -0.30 |
| Tonga | Oceania | male | 4.71 | 96.16 | 5.57 | 112.93 | 0.18 | 0.78 | -0.20 | 0.17 | 0.85 | -0.23 |
| Trinidad and Tobago | Caribbean | male | 2.81 | 69.00 | 2.23 | 57.77 | -0.21 | 0.14 | -0.47 | -0.16 | 0.20 | -0.45 |
| Tunisia | North Africa and Middle East | male | 2.53 | 72.91 | 2.82 | 76.08 | 0.12 | 0.94 | -0.33 | 0.04 | 0.64 | -0.36 |
| Turkey | North Africa and Middle East | male | 22.34 | 541.86 | 16.80 | 378.68 | -0.25 | 0.16 | -0.52 | -0.30 | 0.09 | -0.56 |
| Turkmenistan | Central Asia | male | 2.23 | 69.43 | 1.51 | 44.30 | -0.32 | -0.04 | -0.52 | -0.36 | -0.11 | -0.54 |
| Uganda | Eastern Sub-Saharan Africa | male | 0.94 | 24.09 | 1.38 | 32.60 | 0.46 | 1.24 | 0.06 | 0.35 | 1.03 | -0.02 |
| Ukraine | Eastern Europe | male | 6.93 | 190.26 | 5.29 | 141.48 | -0.24 | 0.02 | -0.44 | -0.26 | 0.00 | -0.46 |
| United Arab Emirates | North Africa and Middle East | male | 1.97 | 52.59 | 1.86 | 47.11 | -0.05 | 0.68 | -0.42 | -0.10 | 0.53 | -0.43 |
| United Kingdom | Western Europe | male | 41.61 | 816.83 | 23.37 | 414.81 | -0.44 | -0.41 | -0.47 | -0.49 | -0.46 | -0.53 |
| United States of America | High-income North America | male | 23.91 | 465.53 | 14.24 | 238.60 | -0.40 | -0.34 | -0.47 | -0.49 | -0.43 | -0.54 |
| Uruguay | Southern Latin America | male | 13.52 | 328.01 | 10.77 | 239.66 | -0.20 | -0.06 | -0.33 | -0.27 | -0.14 | -0.39 |
| Uzbekistan | Central Asia | male | 4.79 | 147.99 | 2.34 | 65.07 | -0.51 | -0.36 | -0.62 | -0.56 | -0.43 | -0.66 |
| Vanuatu | Oceania | male | 4.62 | 107.64 | 7.66 | 176.03 | 0.66 | 1.91 | 0.03 | 0.64 | 1.94 | 0.01 |
| Venezuela (Bolivarian Republic of) | Central Latin America | male | 3.00 | 81.50 | 3.10 | 79.55 | 0.03 | 0.46 | -0.30 | -0.02 | 0.37 | -0.34 |
| Viet nam | Southeast Asia | male | 4.12 | 107.05 | 6.63 | 163.77 | 0.61 | 1.36 | 0.05 | 0.53 | 1.30 | 0.00 |
| Virginia | Caribbean | male | 32.32 | 621.71 | 16.56 | 274.33 | -0.49 | -0.34 | -0.62 | -0.56 | -0.42 | -0.68 |
| Yemen | North Africa and Middle East | male | 1.32 | 39.48 | 1.46 | 40.39 | 0.10 | 0.90 | -0.31 | 0.02 | 0.70 | -0.36 |
| Zambia | Eastern Sub-Saharan Africa | male | 1.53 | 37.26 | 2.56 | 59.20 | 0.67 | 1.70 | 0.03 | 0.59 | 1.49 | 0.02 |
| Zimbabwe | Southern sub-Saharan Africa | male | 1.79 | 47.75 | 2.05 | 48.78 | 0.15 | 0.69 | -0.24 | 0.02 | 0.50 | -0.27 |
| Monaco | Western Europe | male | 32.67 | 659.03 | 36.78 | 694.44 | 0.13 | 0.59 | -0.20 | 0.05 | 0.54 | -0.27 |
| San Marino | Western Europe | male | 21.02 | 396.08 | 19.34 | 344.73 | -0.08 | 0.52 | -0.49 | -0.13 | 0.48 | -0.52 |
| Saint Kitts and Nevis | Caribbean | male | 8.42 | 177.04 | 6.48 | 138.05 | -0.23 | -0.03 | -0.39 | -0.22 | 0.02 | -0.42 |

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|---------------------|------------------------------|--------|------|--------|------|--------|-------|------|-------|-------|------|-------|
| Cook Islands | Oceania | male | 6.37 | 141.50 | 5.87 | 131.40 | -0.08 | 0.24 | -0.32 | -0.07 | 0.29 | -0.33 |
| Nauru | Oceania | male | 7.68 | 185.71 | 9.13 | 215.21 | 0.19 | 0.84 | -0.25 | 0.16 | 0.83 | -0.27 |
| Niue | Oceania | male | 5.17 | 118.56 | 5.93 | 129.33 | 0.15 | 0.60 | -0.19 | 0.09 | 0.54 | -0.25 |
| Palau | Oceania | male | 5.15 | 122.73 | 5.67 | 133.18 | 0.10 | 0.59 | -0.26 | 0.09 | 0.60 | -0.28 |
| Tokelau | Oceania | male | 3.52 | 79.29 | 3.90 | 84.68 | 0.11 | 0.58 | -0.22 | 0.07 | 0.56 | -0.28 |
| Tuvalu | Oceania | male | 5.98 | 140.10 | 6.15 | 139.56 | 0.03 | 0.60 | -0.32 | 0.00 | 0.60 | -0.36 |
| Afghanistan | North Africa and Middle East | female | 0.29 | 9.50 | 0.33 | 10.14 | 0.12 | 0.96 | -0.32 | 0.07 | 0.85 | -0.35 |
| Albania | Central Europe | female | 0.57 | 13.49 | 0.69 | 15.86 | 0.22 | 1.11 | -0.29 | 0.18 | 0.96 | -0.30 |
| Algeria | North Africa and Middle East | female | 0.14 | 3.55 | 0.15 | 3.46 | 0.01 | 0.95 | -0.47 | -0.03 | 0.92 | -0.49 |
| American Samoa | Oceania | female | 1.34 | 34.96 | 1.28 | 32.29 | -0.04 | 0.45 | -0.39 | -0.08 | 0.40 | -0.39 |
| Andorra | Western Europe | female | 2.22 | 45.50 | 1.93 | 39.74 | -0.13 | 0.80 | -0.61 | -0.13 | 0.72 | -0.60 |
| Angola | Central sub-Saharan Africa | female | 0.73 | 20.36 | 0.88 | 22.13 | 0.21 | 1.31 | -0.31 | 0.09 | 1.03 | -0.39 |
| Antigua and Barbuda | Caribbean | female | 0.33 | 10.25 | 0.49 | 13.39 | 0.49 | 0.97 | 0.14 | 0.31 | 0.77 | -0.03 |
| Argentina | Southern Latin America | female | 1.00 | 25.77 | 1.79 | 42.37 | 0.78 | 1.36 | 0.14 | 0.64 | 1.16 | 0.12 |
| Armenia | Central Asia | female | 3.11 | 89.75 | 2.39 | 58.40 | -0.23 | 0.98 | -0.71 | -0.35 | 0.94 | -0.79 |
| Australia | Australasia | female | 3.42 | 71.52 | 3.97 | 73.79 | 0.16 | 0.63 | -0.28 | 0.03 | 0.43 | -0.34 |
| Austria | Western Europe | female | 1.79 | 38.59 | 1.82 | 40.89 | 0.02 | 0.45 | -0.29 | 0.06 | 0.50 | -0.25 |
| Azerbaijan | Central Asia | female | 0.54 | 16.75 | 0.71 | 19.71 | 0.30 | 1.00 | -0.14 | 0.18 | 0.69 | -0.19 |
| Bahrain | North Africa and Middle East | female | 0.50 | 10.47 | 0.44 | 9.68 | -0.12 | 0.31 | -0.40 | -0.08 | 0.34 | -0.37 |
| Bangladesh | South Asia | female | 0.31 | 8.10 | 0.35 | 8.39 | 0.11 | 1.14 | -0.44 | 0.04 | 0.99 | -0.49 |
| Barbados | Caribbean | female | 0.48 | 13.96 | 0.67 | 17.99 | 0.39 | 0.81 | 0.05 | 0.29 | 0.68 | -0.04 |
| Belarus | Eastern Europe | female | 1.33 | 40.37 | 1.10 | 32.26 | -0.18 | 1.65 | -0.75 | -0.20 | 1.93 | -0.80 |
| Belgium | Western Europe | female | 1.97 | 41.06 | 2.59 | 54.06 | 0.31 | 0.80 | -0.13 | 0.32 | 0.77 | -0.08 |
| Belize | Caribbean | female | 0.47 | 13.01 | 0.68 | 19.78 | 0.46 | 0.98 | 0.10 | 0.52 | 1.10 | 0.12 |

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|----------------------------------|-----------------------------|--------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Benin | Western sub-Saharan Africa | female | 0.42 | 12.01 | 0.42 | 12.04 | 0.01 | 0.54 | -0.34 | 0.00 | 0.57 | -0.36 |
| Bermuda | Caribbean | female | 2.68 | 65.78 | 1.33 | 32.02 | -0.50 | -0.21 | -0.67 | -0.51 | -0.14 | -0.75 |
| Bhutan | South Asia | female | 0.37 | 10.30 | 0.56 | 13.56 | 0.52 | 1.95 | -0.18 | 0.32 | 1.52 | -0.28 |
| Bolivia (Plurinational State of) | Andean Latin America | female | 1.00 | 24.95 | 1.62 | 37.29 | 0.62 | 1.73 | 0.00 | 0.49 | 1.42 | -0.06 |
| Bosnia and Herzegovina | Central Europe | female | 0.41 | 10.44 | 0.51 | 13.25 | 0.23 | 0.92 | -0.25 | 0.27 | 0.94 | -0.22 |
| Botswana | Southern sub-Saharan Africa | female | 1.21 | 26.61 | 1.50 | 31.30 | 0.24 | 1.51 | -0.39 | 0.18 | 1.35 | -0.43 |
| Brazil | Tropical Latin America | female | 1.52 | 33.95 | 1.67 | 36.46 | 0.10 | 0.33 | -0.13 | 0.07 | 0.32 | -0.15 |
| Brunei Darussalam | High-income Asia Pacific | female | 2.75 | 59.80 | 3.29 | 64.48 | 0.20 | 1.01 | -0.28 | 0.08 | 0.77 | -0.32 |
| Bulgaria | Central Europe | female | 0.48 | 13.86 | 0.81 | 23.74 | 0.69 | 1.34 | 0.20 | 0.71 | 1.37 | 0.23 |
| Burkina Faso | Western sub-Saharan Africa | female | 0.33 | 9.38 | 0.30 | 8.19 | -0.12 | 0.42 | -0.45 | -0.13 | 0.42 | -0.46 |
| Burundi | Eastern Sub-Saharan Africa | female | 0.77 | 21.08 | 0.74 | 18.90 | -0.04 | 0.83 | -0.50 | -0.10 | 0.72 | -0.54 |
| Cambodia | Southeast Asia | female | 0.72 | 23.03 | 1.11 | 32.25 | 0.54 | 1.21 | 0.07 | 0.40 | 1.05 | -0.06 |
| Cameroon | Western sub-Saharan Africa | female | 0.52 | 14.78 | 0.52 | 14.30 | 0.01 | 0.65 | -0.38 | -0.03 | 0.60 | -0.41 |
| Canada | High-income North America | female | 2.78 | 63.77 | 3.20 | 64.26 | 0.15 | 0.49 | -0.14 | 0.01 | 0.28 | -0.21 |
| Cabo Verde | Western sub-Saharan Africa | female | 0.23 | 7.05 | 0.29 | 8.05 | 0.28 | 0.89 | -0.11 | 0.14 | 0.63 | -0.18 |
| Central African Republic | Central sub-Saharan Africa | female | 0.70 | 18.80 | 0.68 | 17.63 | -0.03 | 0.77 | -0.46 | -0.06 | 0.66 | -0.47 |
| Chad | Western sub-Saharan Africa | female | 0.27 | 7.88 | 0.30 | 8.50 | 0.11 | 0.80 | -0.33 | 0.08 | 0.79 | -0.35 |
| Chile | Southern Latin America | female | 0.88 | 20.88 | 1.11 | 25.97 | 0.27 | 0.65 | -0.06 | 0.24 | 0.59 | -0.06 |
| China | East Asia | female | 1.59 | 43.01 | 1.80 | 43.84 | 0.14 | 0.61 | -0.21 | 0.02 | 0.44 | -0.27 |
| Colombia | Central Latin America | female | 0.95 | 24.86 | 0.85 | 22.17 | -0.10 | 0.30 | -0.38 | -0.11 | 0.28 | -0.38 |
| Comoros | Eastern Sub-Saharan Africa | female | 0.63 | 15.88 | 0.90 | 21.93 | 0.42 | 1.82 | -0.19 | 0.38 | 2.34 | -0.26 |
| Congo | Central sub-Saharan Africa | female | 1.04 | 26.39 | 1.19 | 29.02 | 0.14 | 1.16 | -0.36 | 0.10 | 1.11 | -0.40 |
| Costa Rica | Central Latin America | female | 0.39 | 9.92 | 0.41 | 10.58 | 0.04 | 0.47 | -0.27 | 0.07 | 0.49 | -0.25 |
| Côte d'Ivoire | Western sub-Saharan Africa | female | 0.39 | 10.86 | 0.36 | 9.92 | -0.07 | 0.50 | -0.42 | -0.09 | 0.54 | -0.44 |

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|----------------------------------|------------------------------|--------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Croatia | Central Europe | female | 1.06 | 24.60 | 1.45 | 33.33 | 0.36 | 1.19 | -0.27 | 0.35 | 1.19 | -0.26 |
| Cuba | Caribbean | female | 1.00 | 27.68 | 1.58 | 42.30 | 0.58 | 1.08 | 0.18 | 0.53 | 1.04 | 0.13 |
| Cyprus | Western Europe | female | 1.58 | 30.10 | 1.37 | 25.79 | -0.14 | 0.40 | -0.54 | -0.14 | 0.33 | -0.50 |
| Czechia | Central Europe | female | 1.43 | 36.03 | 1.46 | 34.36 | 0.02 | 0.45 | -0.30 | -0.05 | 0.34 | -0.34 |
| Democratic Republic of the Congo | Central sub-Saharan Africa | female | 0.69 | 17.97 | 0.76 | 19.11 | 0.10 | 0.87 | -0.40 | 0.06 | 0.81 | -0.42 |
| Denmark | Western Europe | female | 3.85 | 93.89 | 4.16 | 83.30 | 0.08 | 0.42 | -0.21 | -0.11 | 0.15 | -0.33 |
| Djibouti | Eastern Sub-Saharan Africa | female | 0.65 | 15.90 | 0.86 | 19.81 | 0.34 | 1.55 | -0.30 | 0.25 | 1.40 | -0.36 |
| Dominica | Caribbean | female | 0.38 | 11.69 | 0.55 | 16.48 | 0.46 | 1.02 | 0.06 | 0.41 | 0.97 | 0.02 |
| Dominican Republic | Caribbean | female | 0.40 | 11.70 | 0.63 | 18.23 | 0.59 | 1.44 | 0.02 | 0.56 | 1.41 | -0.01 |
| Ecuador | Andean Latin America | female | 0.57 | 14.26 | 0.95 | 22.16 | 0.69 | 1.37 | 0.13 | 0.55 | 1.16 | 0.07 |
| Egypt | North Africa and Middle East | female | 0.12 | 3.20 | 0.22 | 5.50 | 0.79 | 2.21 | 0.04 | 0.72 | 1.96 | 0.02 |
| El Salvador | Central Latin America | female | 0.33 | 10.18 | 0.54 | 15.73 | 0.62 | 1.30 | 0.12 | 0.54 | 1.18 | 0.07 |
| Equatorial Guinea | Central sub-Saharan Africa | female | 0.50 | 13.35 | 1.10 | 24.49 | 1.19 | 5.10 | -0.11 | 0.83 | 3.91 | -0.25 |
| Eritrea | Eastern Sub-Saharan Africa | female | 0.57 | 15.45 | 1.00 | 25.01 | 0.76 | 2.81 | -0.12 | 0.62 | 2.49 | -0.18 |
| Estonia | Eastern Europe | female | 0.95 | 25.37 | 0.91 | 22.19 | -0.04 | 0.47 | -0.44 | -0.13 | 0.30 | -0.46 |
| Ethiopia | Eastern Sub-Saharan Africa | female | 0.68 | 19.51 | 0.63 | 15.53 | -0.07 | 0.84 | -0.57 | -0.20 | 0.58 | -0.63 |
| Micronesia (Federated States of) | Oceania | female | 0.94 | 26.66 | 1.19 | 32.64 | 0.26 | 1.10 | -0.27 | 0.22 | 1.05 | -0.30 |
| Fiji | Oceania | female | 0.41 | 12.59 | 0.36 | 10.97 | -0.12 | 0.39 | -0.44 | -0.13 | 0.38 | -0.44 |
| Finland | Western Europe | female | 2.19 | 45.25 | 2.00 | 38.46 | -0.09 | 0.29 | -0.35 | -0.15 | 0.18 | -0.38 |
| France | Western Europe | female | 1.54 | 31.36 | 2.25 | 46.12 | 0.46 | 1.00 | -0.05 | 0.47 | 0.97 | 0.04 |
| Gabon | Central sub-Saharan Africa | female | 0.83 | 19.63 | 1.00 | 21.81 | 0.20 | 1.24 | -0.37 | 0.11 | 1.16 | -0.43 |
| Georgia | Central Asia | female | 0.48 | 15.08 | 0.54 | 15.28 | 0.13 | 0.63 | -0.31 | 0.01 | 0.40 | -0.31 |
| Germany | Western Europe | female | 1.94 | 41.16 | 2.42 | 51.01 | 0.25 | 0.69 | -0.08 | 0.24 | 0.65 | -0.08 |
| Ghana | Western sub-Saharan Africa | female | 0.68 | 21.96 | 0.41 | 11.96 | -0.40 | -0.08 | -0.62 | -0.46 | -0.15 | -0.66 |

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|----------------------------|------------------------------|--------|-------|--------|------|--------|-------|-------|-------|-------|-------|-------|
| Greece | Western Europe | female | 1.27 | 29.90 | 0.97 | 22.44 | -0.24 | 1.00 | -0.72 | -0.25 | 1.04 | -0.73 |
| Greenland | High-income North America | female | 10.54 | 253.53 | 7.60 | 170.54 | -0.28 | 0.34 | -0.61 | -0.33 | 0.27 | -0.63 |
| Grenada | Caribbean | female | 1.02 | 30.03 | 1.22 | 32.17 | 0.19 | 0.71 | -0.17 | 0.07 | 0.57 | -0.27 |
| Guam | Oceania | female | 0.81 | 22.80 | 0.67 | 20.46 | -0.17 | 0.13 | -0.40 | -0.10 | 0.23 | -0.35 |
| Guatemala | Central Latin America | female | 0.54 | 15.49 | 0.39 | 11.76 | -0.27 | 0.06 | -0.50 | -0.24 | 0.12 | -0.49 |
| Guinea | Western sub-Saharan Africa | female | 0.30 | 8.52 | 0.31 | 8.66 | 0.05 | 0.81 | -0.40 | 0.02 | 0.81 | -0.42 |
| Guinea-Bissau | Western sub-Saharan Africa | female | 0.42 | 13.07 | 0.45 | 13.10 | 0.05 | 0.82 | -0.38 | 0.00 | 0.75 | -0.42 |
| Guyana | Caribbean | female | 0.89 | 26.01 | 1.11 | 32.52 | 0.26 | 0.93 | -0.21 | 0.25 | 0.97 | -0.22 |
| Haiti | Caribbean | female | 0.77 | 23.73 | 0.83 | 24.12 | 0.07 | 0.79 | -0.37 | 0.02 | 0.74 | -0.42 |
| Honduras | Central Latin America | female | 1.09 | 30.19 | 2.84 | 69.88 | 1.61 | 3.15 | 0.56 | 1.31 | 2.66 | 0.39 |
| Hungary | Central Europe | female | 1.51 | 40.43 | 2.23 | 58.47 | 0.48 | 1.02 | 0.07 | 0.45 | 0.96 | 0.05 |
| Iceland | Western Europe | female | 3.33 | 74.93 | 2.27 | 47.62 | -0.32 | -0.11 | -0.51 | -0.36 | -0.18 | -0.52 |
| India | South Asia | female | 0.33 | 8.04 | 0.42 | 10.25 | 0.30 | 0.99 | -0.13 | 0.27 | 0.93 | -0.14 |
| Indonesia | Southeast Asia | female | 0.62 | 19.44 | 0.90 | 25.26 | 0.47 | 0.99 | 0.04 | 0.30 | 0.79 | -0.08 |
| Iran (Islamic Republic of) | North Africa and Middle East | female | 0.12 | 3.28 | 0.15 | 3.96 | 0.22 | 0.79 | -0.10 | 0.20 | 0.71 | -0.10 |
| Iraq | North Africa and Middle East | female | 0.28 | 8.24 | 0.33 | 8.92 | 0.19 | 1.16 | -0.40 | 0.08 | 1.06 | -0.45 |
| Ireland | Western Europe | female | 2.64 | 59.53 | 1.76 | 37.54 | -0.33 | 0.93 | -0.77 | -0.37 | 0.73 | -0.78 |
| Israel | Western Europe | female | 1.25 | 26.64 | 1.14 | 24.09 | -0.09 | 0.21 | -0.35 | -0.10 | 0.18 | -0.34 |
| Italy | Western Europe | female | 2.78 | 56.93 | 2.68 | 51.24 | -0.04 | 0.28 | -0.30 | -0.10 | 0.19 | -0.33 |
| Jamaica | Caribbean | female | 0.50 | 13.13 | 0.68 | 19.13 | 0.37 | 0.97 | -0.04 | 0.46 | 1.07 | 0.01 |
| Japan | High-income Asia Pacific | female | 1.22 | 25.29 | 1.01 | 19.12 | -0.18 | 0.06 | -0.41 | -0.24 | -0.07 | -0.42 |
| Jordan | North Africa and Middle East | female | 0.20 | 4.32 | 0.15 | 3.23 | -0.23 | 0.47 | -0.54 | -0.25 | 0.37 | -0.57 |
| Kazakhstan | Central Asia | female | 2.02 | 57.32 | 1.20 | 31.03 | -0.41 | 0.33 | -0.77 | -0.46 | 0.22 | -0.79 |
| Kenya | Eastern Sub-Saharan Africa | female | 0.45 | 11.22 | 0.70 | 16.73 | 0.55 | 1.30 | 0.05 | 0.49 | 1.20 | 0.02 |

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|----------------------------------|------------------------------|--------|------|-------|------|-------|-------|-------|-------|-------|-------|-------|
| Kiribati | Oceania | female | 0.31 | 8.28 | 0.49 | 13.32 | 0.61 | 1.71 | -0.06 | 0.61 | 1.76 | -0.07 |
| Kuwait | North Africa and Middle East | female | 0.24 | 7.24 | 0.20 | 5.47 | -0.17 | 0.33 | -0.55 | -0.24 | 0.17 | -0.56 |
| Kyrgyzstan | Central Asia | female | 0.49 | 15.37 | 0.33 | 9.72 | -0.33 | -0.12 | -0.53 | -0.37 | -0.17 | -0.55 |
| Lao People's Democratic Republic | Southeast Asia | female | 0.85 | 28.00 | 1.10 | 33.19 | 0.29 | 1.00 | -0.18 | 0.19 | 0.88 | -0.26 |
| Latvia | Eastern Europe | female | 0.77 | 19.72 | 0.70 | 17.59 | -0.09 | 0.37 | -0.43 | -0.11 | 0.34 | -0.44 |
| Lebanon | North Africa and Middle East | female | 0.30 | 8.09 | 0.45 | 11.84 | 0.50 | 1.55 | -0.12 | 0.46 | 1.33 | -0.14 |
| Lesotho | Southern sub-Saharan Africa | female | 0.77 | 17.16 | 1.35 | 28.28 | 0.76 | 2.35 | -0.19 | 0.65 | 2.21 | -0.23 |
| Liberia | Western sub-Saharan Africa | female | 0.41 | 11.73 | 0.39 | 10.92 | -0.05 | 0.52 | -0.41 | -0.07 | 0.51 | -0.43 |
| Libya | North Africa and Middle East | female | 0.16 | 4.65 | 0.23 | 6.92 | 0.49 | 1.66 | -0.21 | 0.49 | 1.59 | -0.18 |
| Lithuania | Eastern Europe | female | 1.08 | 27.27 | 0.78 | 19.72 | -0.28 | 0.15 | -0.52 | -0.28 | 0.14 | -0.52 |
| Luxembourg | Western Europe | female | 1.36 | 28.82 | 1.32 | 27.32 | -0.03 | 0.43 | -0.37 | -0.05 | 0.37 | -0.37 |
| North Macedonia | Central Europe | female | 0.36 | 10.10 | 0.66 | 17.32 | 0.80 | 1.77 | 0.16 | 0.72 | 1.49 | 0.15 |
| Madagascar | Eastern Sub-Saharan Africa | female | 0.60 | 16.74 | 0.71 | 18.58 | 0.17 | 0.99 | -0.29 | 0.11 | 0.89 | -0.32 |
| Malawi | Eastern Sub-Saharan Africa | female | 0.64 | 16.82 | 0.64 | 15.33 | 0.01 | 0.75 | -0.41 | -0.09 | 0.58 | -0.47 |
| Malaysia | Southeast Asia | female | 0.48 | 14.72 | 0.74 | 20.43 | 0.55 | 1.16 | 0.08 | 0.39 | 0.90 | -0.01 |
| Maldives | Southeast Asia | female | 0.43 | 13.89 | 0.30 | 7.77 | -0.32 | 0.39 | -0.66 | -0.44 | 0.21 | -0.73 |
| Mali | Western sub-Saharan Africa | female | 0.36 | 10.63 | 0.33 | 9.14 | -0.08 | 0.55 | -0.42 | -0.14 | 0.45 | -0.49 |
| Malta | Western Europe | female | 1.04 | 21.36 | 0.92 | 19.12 | -0.11 | 0.32 | -0.42 | -0.10 | 0.33 | -0.41 |
| Marshall Islands | Oceania | female | 0.62 | 17.31 | 0.89 | 23.99 | 0.43 | 1.49 | -0.19 | 0.39 | 1.38 | -0.21 |
| Mauritania | Western sub-Saharan Africa | female | 0.50 | 13.87 | 0.32 | 7.97 | -0.35 | 0.14 | -0.64 | -0.43 | 0.06 | -0.68 |
| Mauritius | Southeast Asia | female | 0.28 | 8.75 | 0.33 | 10.59 | 0.19 | 0.64 | -0.12 | 0.21 | 0.64 | -0.10 |
| Mexico | Central Latin America | female | 0.87 | 20.41 | 0.79 | 19.42 | -0.10 | 0.17 | -0.33 | -0.05 | 0.23 | -0.28 |
| Republic of Moldova | Eastern Europe | female | 0.43 | 13.11 | 0.30 | 8.78 | -0.31 | -0.02 | -0.55 | -0.33 | -0.05 | -0.57 |
| Mongolia | Central Asia | female | 1.10 | 30.93 | 0.71 | 20.10 | -0.36 | 0.04 | -0.58 | -0.35 | 0.07 | -0.58 |

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|---------------------------------------|------------------------------|--------|------|--------|------|-------|-------|------|-------|-------|------|-------|
| Montenegro | Central Europe | female | 0.94 | 24.21 | 1.37 | 34.82 | 0.45 | 1.02 | 0.06 | 0.44 | 0.97 | 0.06 |
| Morocco | North Africa and Middle East | female | 0.15 | 4.37 | 0.21 | 5.63 | 0.36 | 1.17 | -0.17 | 0.29 | 1.14 | -0.22 |
| Mozambique | Eastern Sub-Saharan Africa | female | 0.60 | 14.91 | 0.88 | 20.81 | 0.45 | 1.68 | -0.19 | 0.40 | 1.58 | -0.24 |
| Myanmar | Southeast Asia | female | 0.56 | 17.63 | 0.80 | 22.94 | 0.44 | 1.37 | -0.09 | 0.30 | 1.25 | -0.24 |
| Namibia | Southern sub-Saharan Africa | female | 0.74 | 16.42 | 0.84 | 16.77 | 0.13 | 1.03 | -0.40 | 0.02 | 0.88 | -0.46 |
| Nepal | South Asia | female | 0.56 | 16.12 | 0.76 | 19.05 | 0.37 | 1.28 | -0.16 | 0.18 | 0.90 | -0.26 |
| Netherlands | Western Europe | female | 2.32 | 50.20 | 4.35 | 87.32 | 0.87 | 1.41 | 0.39 | 0.74 | 1.23 | 0.33 |
| New Zealand | Australasia | female | 2.93 | 65.43 | 2.98 | 61.30 | 0.02 | 0.38 | -0.26 | -0.06 | 0.25 | -0.31 |
| Nicaragua | Central Latin America | female | 0.21 | 6.68 | 0.50 | 13.32 | 1.35 | 2.20 | 0.67 | 1.00 | 1.69 | 0.43 |
| Niger | Western sub-Saharan Africa | female | 0.26 | 7.58 | 0.28 | 7.80 | 0.07 | 0.83 | -0.37 | 0.03 | 0.83 | -0.42 |
| Nigeria | Western sub-Saharan Africa | female | 0.26 | 7.12 | 0.29 | 7.37 | 0.13 | 0.88 | -0.31 | 0.04 | 0.74 | -0.39 |
| Democratic People's Republic of Korea | East Asia | female | 1.24 | 35.20 | 1.52 | 42.20 | 0.23 | 0.82 | -0.24 | 0.20 | 0.79 | -0.28 |
| Northern Mariana Islands | Oceania | female | 1.38 | 39.59 | 1.33 | 37.89 | -0.04 | 0.46 | -0.36 | -0.04 | 0.45 | -0.36 |
| Norway | Western Europe | female | 6.77 | 161.93 | 3.96 | 77.36 | -0.42 | 0.43 | -0.61 | -0.52 | 0.28 | -0.69 |
| Oman | North Africa and Middle East | female | 0.18 | 4.75 | 0.23 | 5.38 | 0.28 | 1.65 | -0.34 | 0.13 | 1.29 | -0.39 |
| Pakistan | South Asia | female | 0.32 | 7.78 | 0.65 | 15.44 | 1.01 | 2.50 | 0.28 | 0.98 | 2.40 | 0.22 |
| Palestine | North Africa and Middle East | female | 0.13 | 3.46 | 0.17 | 4.29 | 0.31 | 1.48 | -0.27 | 0.24 | 1.23 | -0.28 |
| Panama | Central Latin America | female | 0.37 | 10.07 | 0.47 | 13.28 | 0.28 | 0.84 | -0.12 | 0.32 | 0.90 | -0.08 |
| Papua New Guinea | Oceania | female | 0.41 | 12.13 | 0.58 | 16.73 | 0.40 | 1.26 | -0.11 | 0.38 | 1.19 | -0.11 |
| Paraguay | Tropical Latin America | female | 0.50 | 12.69 | 0.80 | 19.12 | 0.62 | 1.40 | 0.09 | 0.51 | 1.21 | 0.02 |
| Peru | Andean Latin America | female | 1.35 | 33.90 | 1.13 | 27.68 | -0.16 | 0.34 | -0.49 | -0.18 | 0.28 | -0.49 |
| Philippines | Southeast Asia | female | 0.73 | 21.16 | 0.64 | 19.25 | -0.12 | 0.22 | -0.36 | -0.09 | 0.26 | -0.36 |
| Poland | Central Europe | female | 1.09 | 28.84 | 1.92 | 46.81 | 0.75 | 1.62 | -0.01 | 0.62 | 1.39 | -0.04 |
| Portugal | Western Europe | female | 0.55 | 14.12 | 0.63 | 16.05 | 0.16 | 0.62 | -0.28 | 0.14 | 0.51 | -0.22 |

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|----------------------------------|------------------------------|--------|------|-------|------|-------|-------|------|-------|-------|-------|-------|
| Puerto Rico | Caribbean | female | 0.34 | 8.89 | 0.28 | 7.33 | -0.17 | 0.23 | -0.44 | -0.18 | 0.22 | -0.44 |
| Qatar | North Africa and Middle East | female | 0.28 | 7.48 | 0.53 | 11.11 | 0.91 | 2.20 | 0.08 | 0.49 | 1.41 | -0.11 |
| Romania | Central Europe | female | 0.92 | 26.00 | 1.07 | 28.10 | 0.16 | 0.60 | -0.17 | 0.08 | 0.47 | -0.22 |
| Russian Federation | Eastern Europe | female | 0.95 | 24.62 | 0.89 | 22.11 | -0.06 | 0.19 | -0.29 | -0.10 | 0.16 | -0.30 |
| Rwanda | Eastern Sub-Saharan Africa | female | 0.92 | 24.27 | 0.97 | 22.52 | 0.06 | 1.25 | -0.49 | -0.07 | 0.99 | -0.56 |
| Saint Lucia | Caribbean | female | 0.98 | 27.49 | 0.80 | 22.07 | -0.17 | 0.14 | -0.40 | -0.20 | 0.13 | -0.43 |
| Saint Vincent and the Grenadines | Caribbean | female | 0.47 | 13.39 | 0.57 | 16.32 | 0.23 | 0.63 | -0.08 | 0.22 | 0.61 | -0.09 |
| Samoa | Oceania | female | 0.47 | 13.26 | 0.48 | 13.04 | 0.00 | 0.76 | -0.43 | -0.02 | 0.73 | -0.44 |
| Sao Tome and Principe | Central sub-Saharan Africa | female | 0.32 | 8.82 | 0.44 | 11.39 | 0.36 | 1.29 | -0.29 | 0.29 | 1.21 | -0.29 |
| Saudi Arabia | North Africa and Middle East | female | 0.11 | 3.10 | 0.14 | 3.77 | 0.23 | 1.50 | -0.36 | 0.22 | 1.34 | -0.36 |
| Senegal | Western sub-Saharan Africa | female | 0.29 | 8.08 | 0.31 | 8.10 | 0.07 | 0.80 | -0.39 | 0.00 | 0.76 | -0.45 |
| Serbia | Central Europe | female | 0.86 | 23.18 | 1.48 | 39.66 | 0.72 | 1.59 | 0.11 | 0.71 | 1.54 | 0.12 |
| Seychelles | Southeast Asia | female | 0.50 | 15.96 | 0.64 | 18.86 | 0.29 | 0.75 | -0.03 | 0.18 | 0.56 | -0.11 |
| Sierra Leone | Western sub-Saharan Africa | female | 0.31 | 8.64 | 0.35 | 9.87 | 0.13 | 0.88 | -0.30 | 0.14 | 0.92 | -0.33 |
| Singapore | High-income Asia Pacific | female | 2.57 | 59.13 | 1.08 | 23.28 | -0.58 | 0.08 | -0.83 | -0.61 | -0.02 | -0.84 |
| Slovakia | Central Europe | female | 0.72 | 19.09 | 0.77 | 19.97 | 0.07 | 0.57 | -0.30 | 0.05 | 0.50 | -0.31 |
| Slovenia | Central Europe | female | 1.97 | 48.25 | 2.12 | 49.28 | 0.07 | 0.95 | -0.44 | 0.02 | 0.85 | -0.46 |
| Solomon Islands | Oceania | female | 0.67 | 20.30 | 1.42 | 43.92 | 1.12 | 2.48 | 0.26 | 1.16 | 2.62 | 0.28 |
| Somalia | Eastern Sub-Saharan Africa | female | 0.52 | 14.01 | 0.56 | 14.54 | 0.09 | 1.01 | -0.40 | 0.04 | 0.94 | -0.44 |
| South Africa | Southern sub-Saharan Africa | female | 1.63 | 36.89 | 1.46 | 28.28 | -0.10 | 0.08 | -0.26 | -0.23 | -0.09 | -0.39 |
| Republic of Korea | High-income Asia Pacific | female | 0.68 | 17.55 | 0.67 | 13.43 | -0.01 | 0.41 | -0.38 | -0.23 | 0.02 | -0.46 |
| South Sudan | Eastern Sub-Saharan Africa | female | 0.63 | 15.98 | 0.66 | 15.92 | 0.04 | 0.84 | -0.43 | 0.00 | 0.75 | -0.46 |
| Spain | Western Europe | female | 0.83 | 17.84 | 1.05 | 24.33 | 0.27 | 0.82 | -0.18 | 0.36 | 0.90 | -0.09 |
| Sri Lanka | Southeast Asia | female | 0.34 | 9.30 | 0.44 | 11.79 | 0.29 | 1.21 | -0.28 | 0.27 | 1.17 | -0.29 |

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|-----------------------------|------------------------------|--------|------|--------|------|--------|-------|------|-------|-------|-------|-------|
| Sudan | North Africa and Middle East | female | 0.15 | 4.84 | 0.21 | 6.38 | 0.37 | 1.24 | -0.18 | 0.32 | 1.20 | -0.25 |
| Suriname | Caribbean | female | 0.59 | 16.80 | 0.85 | 23.75 | 0.44 | 1.05 | 0.00 | 0.41 | 1.00 | -0.01 |
| Eswatini | Southern sub-Saharan Africa | female | 1.14 | 24.74 | 1.19 | 23.42 | 0.05 | 1.05 | -0.50 | -0.05 | 0.87 | -0.56 |
| Sweden | Western Europe | female | 1.79 | 41.12 | 2.21 | 43.74 | 0.23 | 0.58 | -0.03 | 0.06 | 0.33 | -0.14 |
| Switzerland | Western Europe | female | 1.95 | 44.14 | 2.13 | 44.06 | 0.09 | 0.42 | -0.19 | 0.00 | 0.25 | -0.23 |
| Syrian Arab Republic | North Africa and Middle East | female | 0.12 | 4.01 | 0.13 | 3.85 | 0.10 | 0.99 | -0.40 | -0.04 | 0.74 | -0.48 |
| Taiwan (Province of China) | East Asia | female | 1.50 | 41.64 | 1.80 | 44.68 | 0.20 | 1.18 | -0.41 | 0.07 | 0.96 | -0.49 |
| Tajikistan | Central Asia | female | 0.52 | 17.31 | 0.45 | 14.14 | -0.13 | 0.36 | -0.45 | -0.18 | 0.33 | -0.51 |
| United Republic of Tanzania | Eastern Sub-Saharan Africa | female | 0.78 | 19.38 | 0.97 | 23.17 | 0.24 | 1.01 | -0.23 | 0.20 | 0.94 | -0.25 |
| Thailand | Southeast Asia | female | 1.13 | 35.56 | 0.85 | 25.78 | -0.25 | 0.09 | -0.49 | -0.27 | 0.06 | -0.52 |
| Bahamas | Caribbean | female | 0.52 | 15.97 | 0.64 | 18.89 | 0.23 | 0.66 | -0.10 | 0.18 | 0.62 | -0.14 |
| Gambia | Western sub-Saharan Africa | female | 0.24 | 6.60 | 0.33 | 8.67 | 0.34 | 1.46 | -0.31 | 0.31 | 1.58 | -0.32 |
| Timor-Leste | Southeast Asia | female | 0.43 | 13.24 | 0.84 | 24.29 | 0.95 | 2.09 | 0.21 | 0.83 | 1.98 | 0.11 |
| Togo | Western sub-Saharan Africa | female | 0.46 | 13.32 | 0.39 | 10.90 | -0.15 | 0.35 | -0.46 | -0.18 | 0.30 | -0.50 |
| Tonga | Oceania | female | 0.50 | 13.70 | 0.71 | 19.07 | 0.41 | 1.24 | -0.16 | 0.39 | 1.15 | -0.14 |
| Trinidad and Tobago | Caribbean | female | 0.34 | 10.04 | 0.45 | 13.14 | 0.35 | 1.04 | -0.14 | 0.31 | 0.99 | -0.16 |
| Tunisia | North Africa and Middle East | female | 0.12 | 3.44 | 0.14 | 3.80 | 0.14 | 1.04 | -0.35 | 0.10 | 0.89 | -0.35 |
| Turkey | North Africa and Middle East | female | 1.95 | 49.35 | 1.83 | 40.34 | -0.06 | 0.71 | -0.50 | -0.18 | 0.52 | -0.57 |
| Turkmenistan | Central Asia | female | 0.58 | 19.41 | 0.71 | 24.32 | 0.21 | 3.82 | -0.73 | 0.25 | 5.45 | -0.77 |
| Uganda | Eastern Sub-Saharan Africa | female | 0.51 | 12.12 | 0.87 | 20.12 | 0.70 | 2.18 | -0.06 | 0.66 | 2.01 | -0.08 |
| Ukraine | Eastern Europe | female | 1.74 | 50.91 | 1.06 | 31.26 | -0.39 | 0.64 | -0.79 | -0.39 | 0.71 | -0.80 |
| United Arab Emirates | North Africa and Middle East | female | 0.43 | 10.97 | 0.45 | 12.35 | 0.05 | 0.88 | -0.51 | 0.13 | 0.96 | -0.43 |
| United Kingdom | Western Europe | female | 5.51 | 115.08 | 6.15 | 110.09 | 0.12 | 0.43 | -0.22 | -0.04 | 0.23 | -0.30 |
| United States of America | High-income North America | female | 2.95 | 67.18 | 2.85 | 55.76 | -0.04 | 0.12 | -0.17 | -0.17 | -0.04 | -0.28 |

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|------------------------------------|------------------------------|--------|------|-------|------|-------|-------|------|-------|-------|-------|-------|
| Uruguay | Southern Latin America | female | 0.74 | 19.48 | 1.44 | 36.81 | 0.93 | 1.38 | 0.47 | 0.89 | 1.29 | 0.49 |
| Uzbekistan | Central Asia | female | 0.49 | 15.10 | 0.56 | 16.37 | 0.14 | 0.59 | -0.16 | 0.08 | 0.48 | -0.19 |
| Vanuatu | Oceania | female | 0.53 | 14.81 | 0.73 | 20.63 | 0.38 | 1.33 | -0.16 | 0.39 | 1.34 | -0.16 |
| Venezuela (Bolivarian Republic of) | Central Latin America | female | 0.77 | 20.94 | 0.92 | 24.97 | 0.20 | 0.75 | -0.20 | 0.19 | 0.73 | -0.21 |
| Viet nam | Southeast Asia | female | 0.55 | 16.55 | 1.09 | 31.44 | 0.96 | 1.89 | 0.34 | 0.90 | 1.81 | 0.26 |
| Virginia | Caribbean | female | 3.21 | 71.43 | 2.96 | 56.70 | -0.08 | 0.24 | -0.33 | -0.21 | 0.08 | -0.42 |
| Yemen | North Africa and Middle East | female | 0.12 | 3.49 | 0.12 | 3.33 | 0.04 | 0.94 | -0.43 | -0.05 | 0.82 | -0.49 |
| Zambia | Eastern Sub-Saharan Africa | female | 0.88 | 22.32 | 1.05 | 25.87 | 0.20 | 1.19 | -0.33 | 0.16 | 1.13 | -0.35 |
| Zimbabwe | Southern sub-Saharan Africa | female | 1.28 | 28.32 | 1.53 | 33.52 | 0.19 | 1.14 | -0.38 | 0.18 | 1.05 | -0.37 |
| Monaco | Western Europe | female | 1.62 | 36.18 | 2.67 | 57.36 | 0.65 | 2.01 | -0.12 | 0.59 | 1.72 | -0.12 |
| San Marino | Western Europe | female | 2.08 | 40.87 | 2.47 | 49.31 | 0.19 | 1.47 | -0.47 | 0.21 | 1.54 | -0.42 |
| Saint Kitts and Nevis | Caribbean | female | 0.99 | 28.84 | 0.72 | 18.28 | -0.27 | 0.09 | -0.48 | -0.37 | -0.03 | -0.57 |
| Cook Islands | Oceania | female | 0.77 | 21.62 | 0.61 | 16.56 | -0.20 | 0.34 | -0.49 | -0.23 | 0.25 | -0.50 |
| Nauru | Oceania | female | 1.47 | 42.04 | 1.49 | 42.27 | 0.01 | 0.63 | -0.39 | 0.01 | 0.63 | -0.39 |
| Niue | Oceania | female | 0.95 | 26.18 | 1.01 | 27.45 | 0.06 | 0.72 | -0.35 | 0.05 | 0.69 | -0.37 |
| Palau | Oceania | female | 1.97 | 54.16 | 2.07 | 56.32 | 0.05 | 0.65 | -0.38 | 0.04 | 0.62 | -0.37 |
| Tokelau | Oceania | female | 0.97 | 27.94 | 1.07 | 29.41 | 0.10 | 0.87 | -0.34 | 0.05 | 0.77 | -0.37 |
| Tuvalu | Oceania | female | 0.97 | 28.16 | 0.90 | 24.53 | -0.07 | 0.57 | -0.44 | -0.13 | 0.46 | -0.47 |

ASDR: age-standardized death rate; DALY: Disability-adjusted life year;

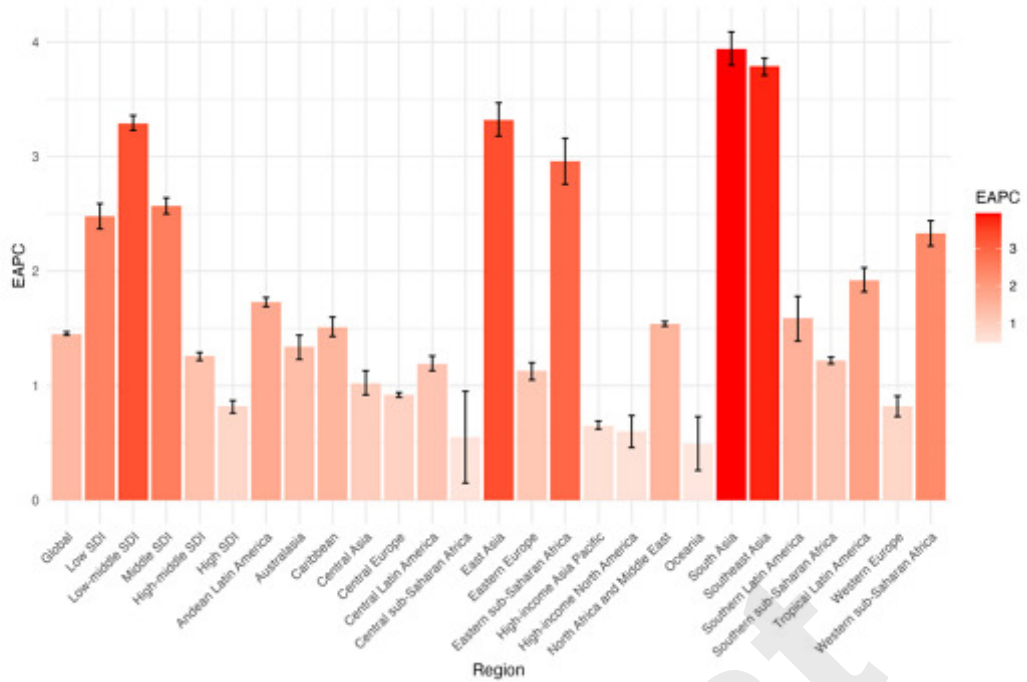
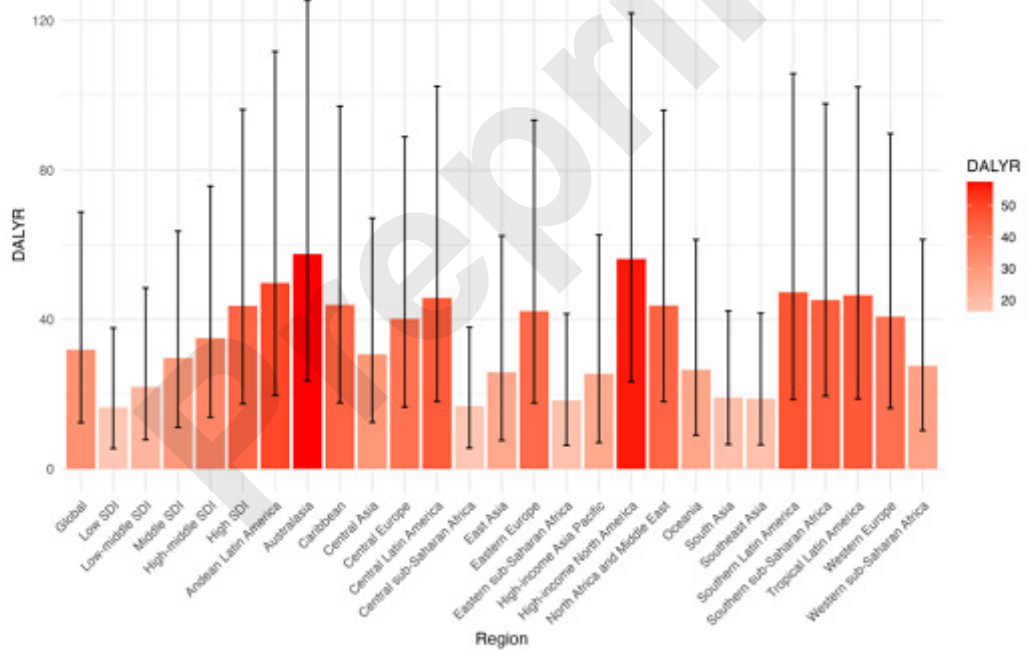
A**B**

Figure 1. Global Osteoarthritis Disease Burden Attributable to High BMI for (A) EAPC of age-standardized DALY rate from 1990 to 2019 (B) age-standardized DALY rate in 2019. EAPC = estimated annual percentage change. DALY = disability adjusted life-year

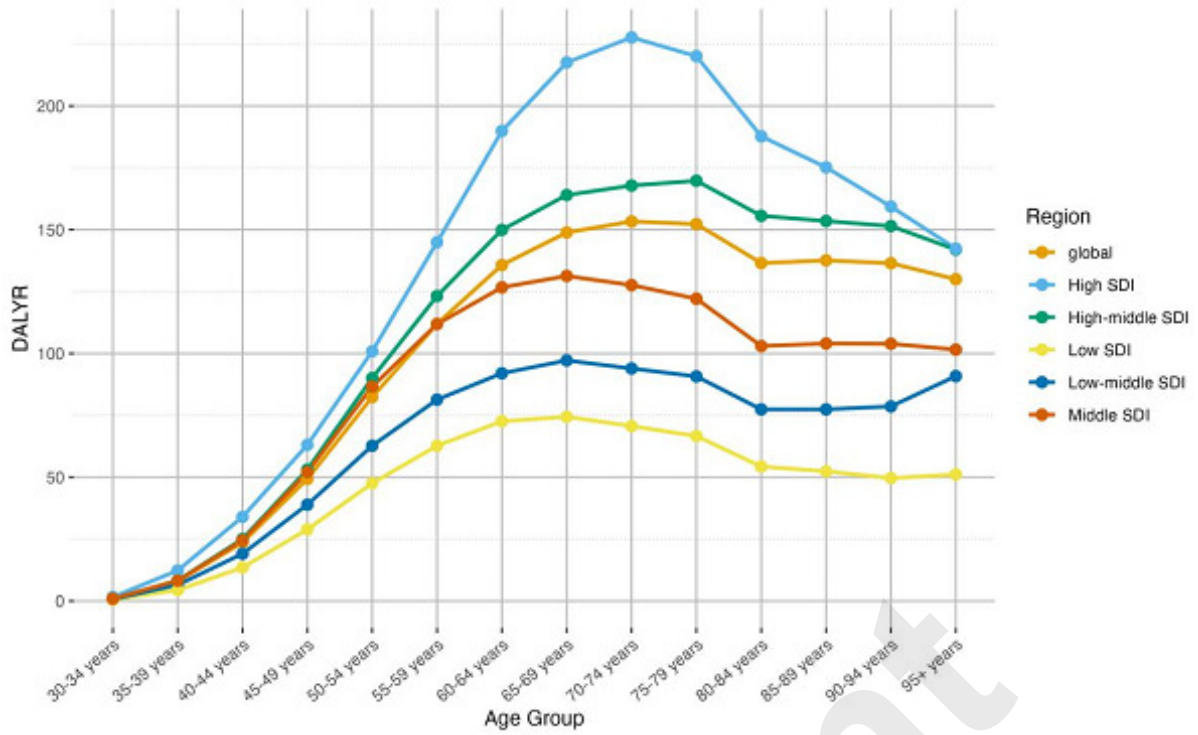


Figure 2. Age-standardized DALY rate of global osteoarthritis disease burden attributable to high BMI, by region and age. DALY = disability adjusted life-year

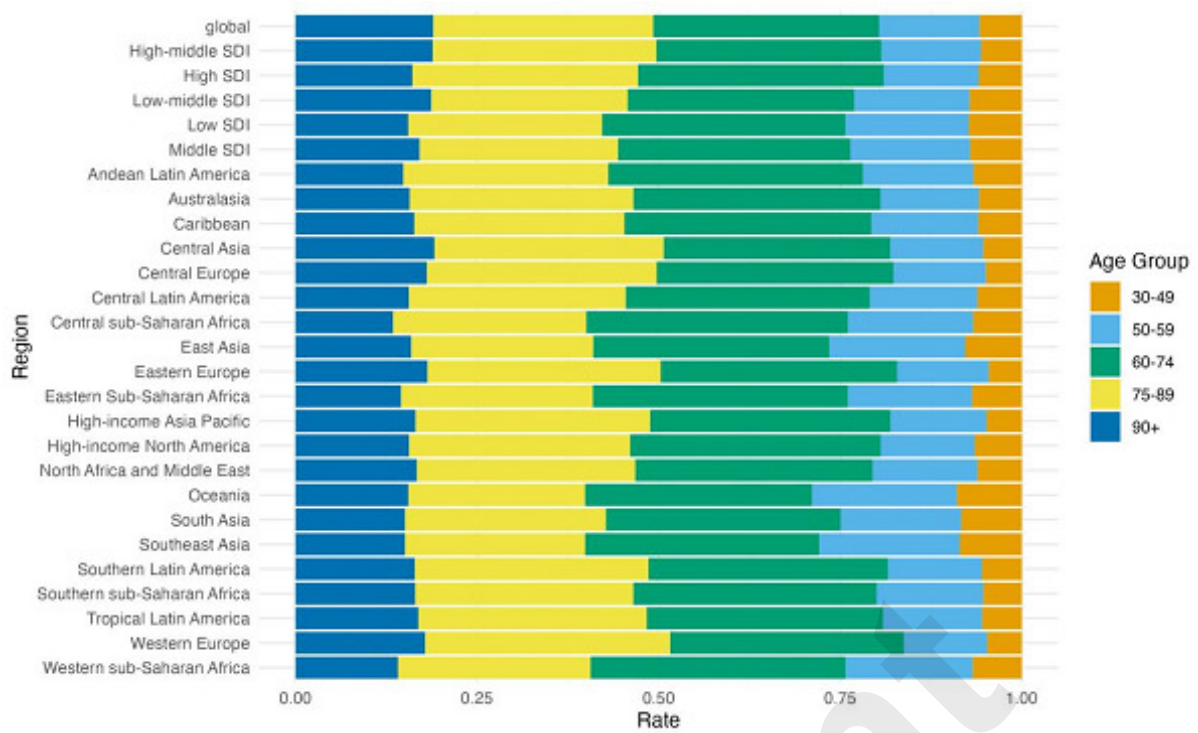


Figure 3. Composition of age-standardized DALY rates in different age groups of the global osteoarthritis disease burden attributable to high BMI, by region. Abbreviations: DALY = disability adjusted life-year

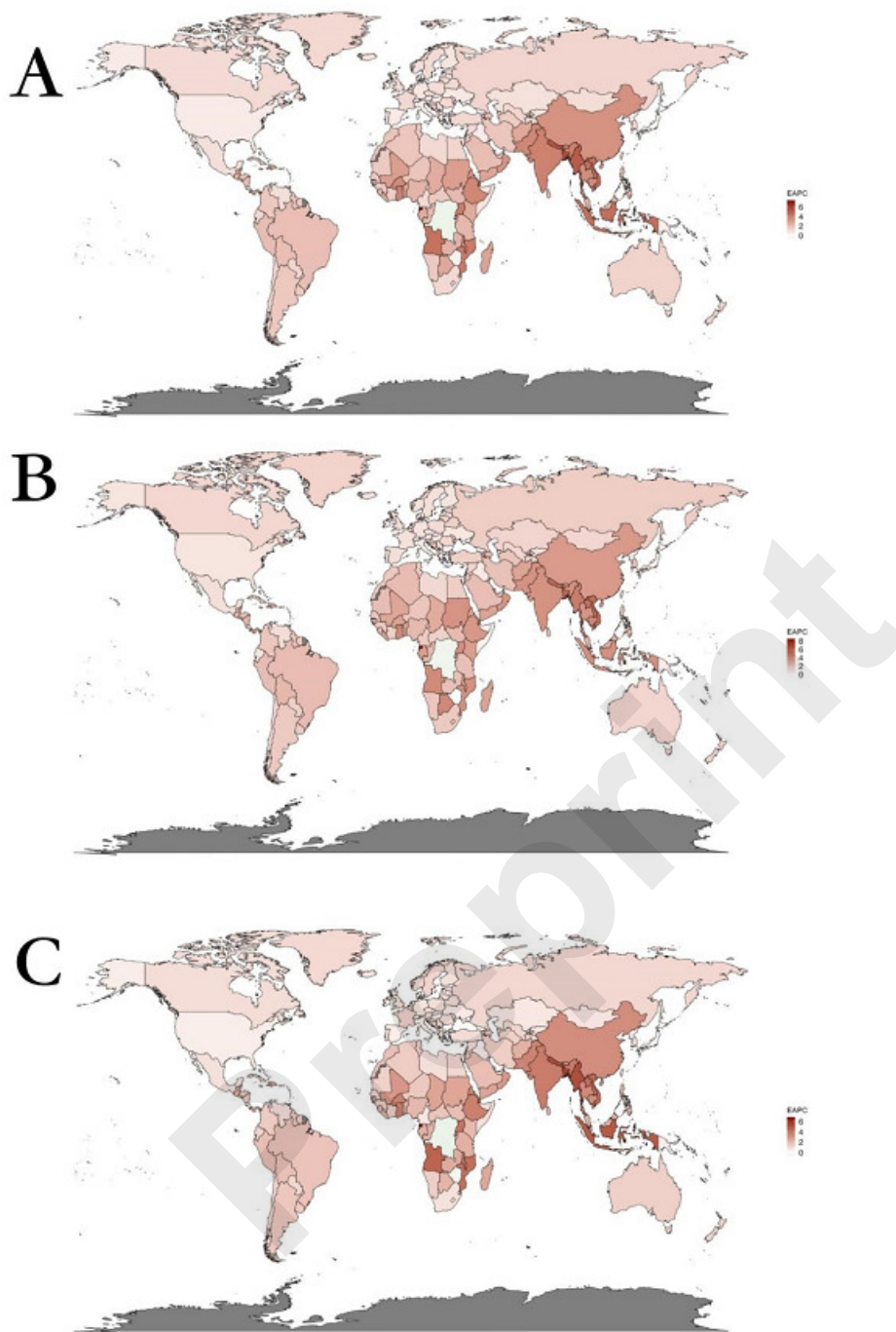


Figure 4. EAPC of age-standardized DALY rate for global osteoarthritis disease burden attributable to high BMI in 204 countries in 2019 (A) All-sex group (B) Male group (C) Female group. EAPC = estimated annual percentage change. DALY = disability adjusted life-year

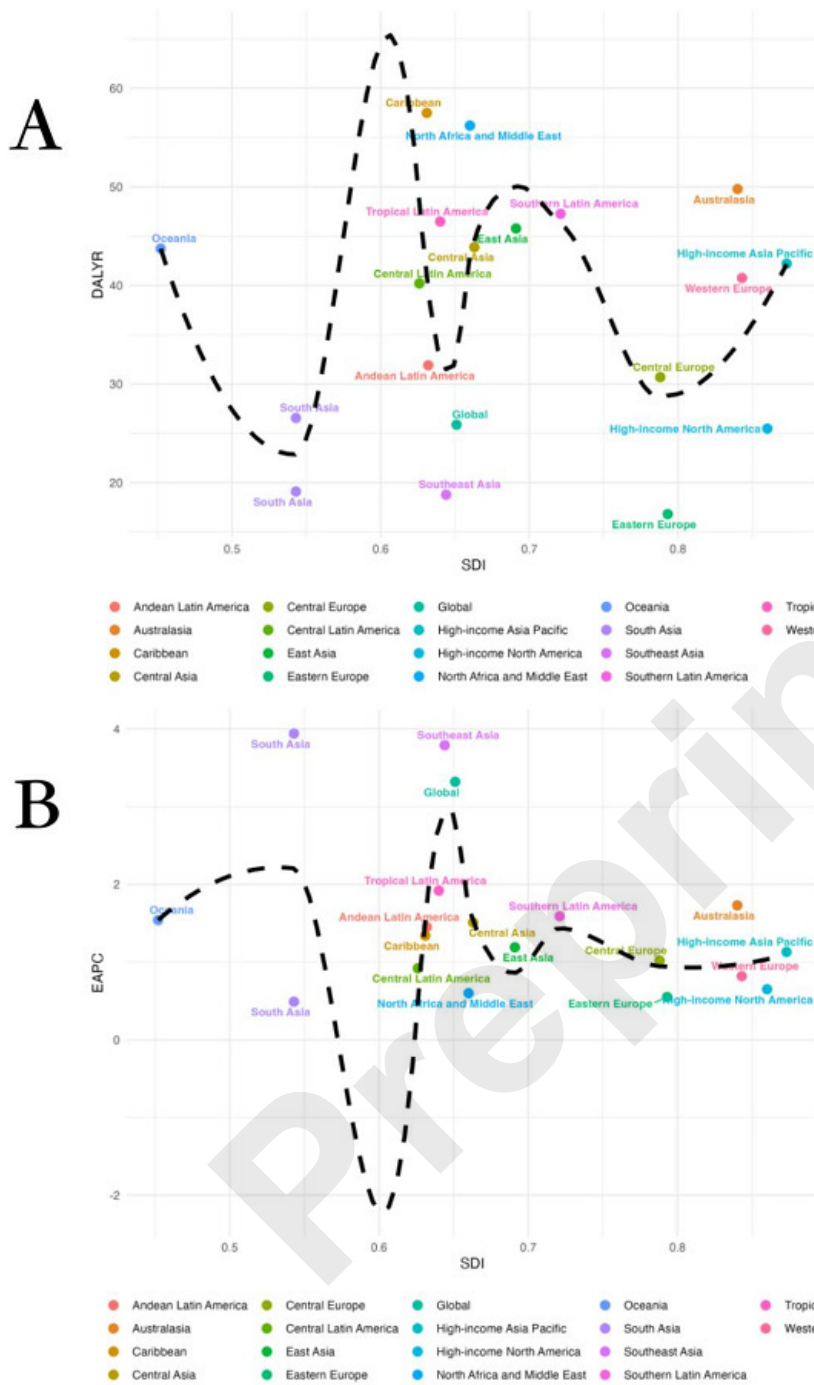


Fig. S1. Global osteoarthritis disease burden attributable to high BMI in different regions by SDI (A) age-standardized DALY rate in 2019 (B) EAPC of age-standardized DALY rate from 1990 to 2019. EAPC = estimated annual percentage change. DALY = disability adjusted life-year.

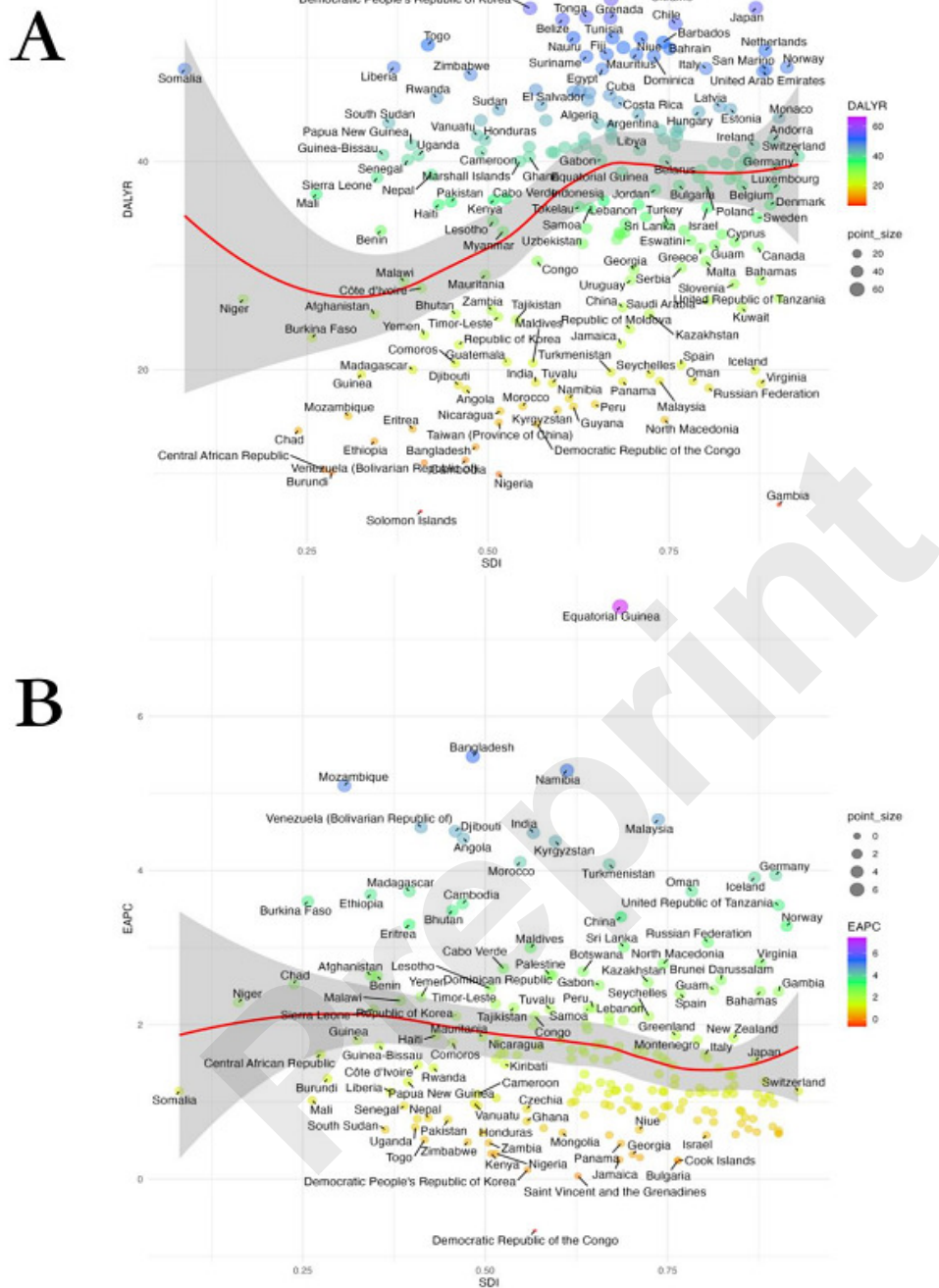


Fig. S2. Global osteoarthritis disease burden attributable to high BMI in different countries by SDI (A) age-standardized DALY rate in 2019 (B) EAPC of age-standardized DALY rate from 1990 to 2019. EAPC = estimated annual percentage change. DALY = disability adjusted life-year.

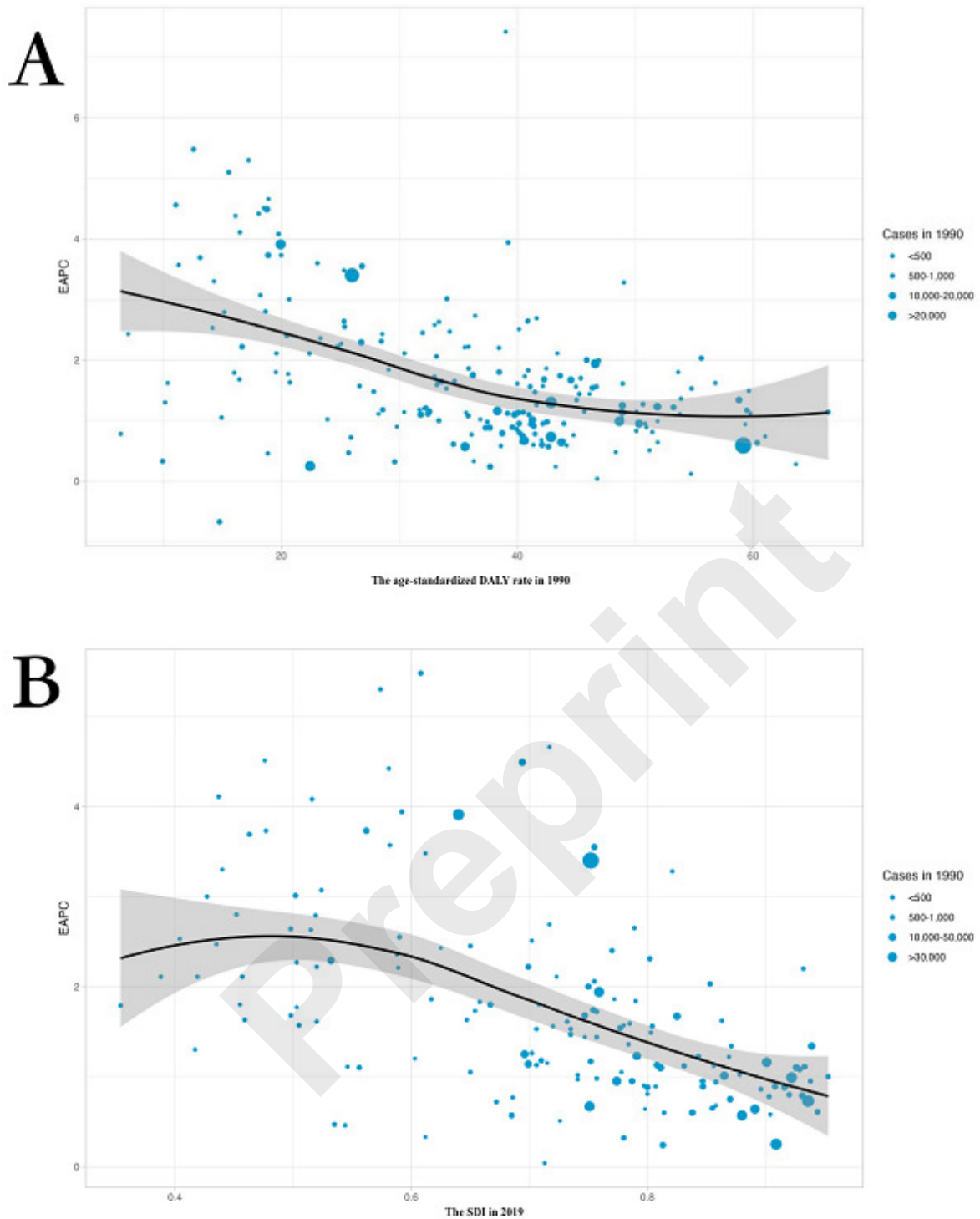


Fig. S3. The Correlation of EAPC in oncologic disease attributed to low physical activity from 1990 to 2019 of ASRs, by cases in 1990. (A) The age-standardized DALY rate in 1990.(B) The SDI in 2019. DALY = disability adjusted life-year. SDI= Social Development Index. EAPC = estimated annual percentage change.