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## Global Death Burden of Chronic Kidney Disease from 1990 to 2019

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# Global Death Burden of Chronic Kidney Disease from 1990 to 2019

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21 Word count: 3639

22 **Keywords: Chronic kidney disease, global burden of disease, death, aging, risk  
23 factors**

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3 25 **Abstract**

4 26 **Objectives:** To assess the characteristics of the global death burden imposed by CKD  
5 27 and the attributable risk factors from 1990 to 2019 to provide a framework for policy  
6 28 discussions, resource allocation and research priorities.

7 29 **Design:** A population-based observational study.

8 30 **Setting:** The death data and relative risk factors were obtained from the Global  
9 31 Burden of Disease Study 2019 database.

10 32 **Main outcome measures:** We estimated the death burden attributable to CKD  
11 33 stratified by sociodemographic index (SDI), geographic location, sex, age group, time  
12 34 period and risk factors from 1990 to 2019.

13 35 **Results:** Over 3-decade study period, the global number of CKD-related deaths  
14 36 increased from 0.60 million in 1990 to 1.43 million in 2019. The age-standardized  
15 37 death rate (ASDR) of CKD, among all causes, increased from 15th in 1990 to 10th in  
16 38 2019. Globally, the ASDR in males was higher than that in females. CKD-related  
17 39 deaths mainly occurred in those aged over 50 years, especially in regions with higher  
18 40 SDIs. The ASDR was negatively related to SDI. Among risk factors, metabolic risk  
19 41 factors, especially systolic blood pressure (SBP), fasting plasma glucose (FPG) and  
20 42 body mass index (BMI), were the main contributors to CKD-related deaths. Although  
21 43 the high-temperature-related death burden was low, the trend increased sharply in  
22 44 lower SDI regions.

23 45 **Conclusions:** Public awareness of CKD prevention measures is insufficient, and  
24 46 CKD remains a global public health concern. CKD-related deaths continue to  
25 47 increase, with the majority occurring in elderly adults. The CKD-related death burden  
26 48 is higher in men than in women. Additionally, the increasing high-temperature-related  
27 49 death burdens in lower SDI regions should receive social attention.

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3 51 **Strengths and limitations of this study**  
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- 5 52 ➤ This study will provide a framework for policy discussions, resource allocation and research  
6 53 priorities.  
7 54 ➤ In some countries with large territory spans or with multinational populations, the impact of  
8 55 regional and ethnic differences within countries on the global burden of CKD could not be  
9 56 further analyzed.  
10 57 ➤ The CKD burden may be underestimated in less developed countries and areas due to limited  
11 58 access to health care.  
12 59 ➤ Data on the impact of metabolic factors other than blood pressure and blood glucose, such as  
13 60 triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.  
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## 62 INTRODUCTION

63 Chronic kidney disease (CKD) refers to chronic renal dysfunction caused by various  
64 factors for more than 3 months.<sup>1</sup> According to relevant statistics, there were 697.5  
65 million cases of CKD worldwide in 2017.<sup>1</sup> The prevalence of CKD has increased with  
66 the aging of the population and has become a global public health problem.<sup>2</sup> The  
67 incidence rate increased by 29.3% compared with that in 1990<sup>1</sup>. Once diagnosed with  
68 CKD, the kidney function would gradually decline until the end-stage renal disease or  
69 even death, with little chance of reversal, imposing a heavy economic burden on  
70 society.

71 Studies have found that the sociodemographic index (SDI), human development level,  
72 economic situation, and health access and quality index are closely related to the CKD  
73 incidence.<sup>3-6</sup> Complex influencing factors make the diagnosis and treatment of CKD  
74 difficult, which seriously increases the public health burden.<sup>7,8</sup> Although several  
75 studies on CKD have been conducted,<sup>1,9</sup> detailed death burden analyses of recent 3-  
76 decade period are scarce and need to be further studied.

77 In the context of current global Big Data, deep quantitative analyses of CKD  
78 morbidity and mortality and their influencing factors are crucial in guiding decisions  
79 by policymakers and health care providers. However, the details of CKD-related  
80 mortality have been poorly studied worldwide. Considering these factors, we carried  
81 out research on the global CKD-related death burden and related risk factors from  
82 1990-2019. We also analyzed the numbers of deaths caused by CKD and the age-  
83 standardized death rates (ASDRs) by time period, region, age, risk factors and sex.

## 85 MATERIALS AND METHODS

### 86 Study data

87 Data analyzed in the present study were obtained from the Global Health Data  
88 Exchange (GHDx). The database provides epidemiological data about 369 diseases  
89 and 87 attributable risk factors in 204 countries and territories from January 1, 1990 to  
90 December 31, 2019, disaggregated by time, location and sex, and is constantly  
91 updated by ongoing multinational cooperative organizations.<sup>10,11</sup> Detailed research  
92 methods followed the Global Burden of Disease study (GBD) 2019.<sup>10,11</sup> The SDI,  
93 based on fertility, income per capita and educational attainment, was used as a  
94 composite indicator of the degree of health-related development at the national or  
95 regional level. The SDI value ranges from 0 to 1, and all the countries were classified  
96 into five SDI regions: low-, low-middle-, middle-, high-middle- and high-SDI  
97 regions, according to the SDI quartiles. Regions with a lower value indicating a lower  
98 degree of development associated with health outcomes. In addition, countries were  
99 divided into 21 regions according to geographical location. Age-standardized rates  
100 (ASRs) based on the updated standard population were also available in the GBD  
101 2019, allowing the analysis of CKD according to age structure and population size.

### 102 Statistical analysis

103 Numbers and ASDRs, and associated 95% uncertainty intervals (UIs) were analyzed

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3 104 to quantify the CKD-related death burden attributed to risk factors. Ninety-five  
4 105 percent UI values fell between the 25th and 975th values of 1000 samples that were  
5 106 extracted from the posterior distribution in the modeling process.<sup>12</sup> The time trend of  
6 107 an ASR over a specified time period were represented by the estimated annual  
7 108 percentage change (EAPC), which detailed calculation method has been reported in  
8 109 many previously published GBD studies.<sup>13 14</sup> In brief, the natural logarithm of the  
9 110 ASR is assumed to be linear over time; therefore,  $\ln(\text{ASR}) = \alpha + \beta \times (\text{calendar year}) +$   
10 111 error term. The  $\text{EAPC} = 100 \times (\exp(\beta) - 1)$ , and the 95% confidence interval (95% CI)  
11 112 can be obtained from the linear regression model. To assess the trends of data over  
12 113 time from 1990 to 2019, Joinpoint trend analyses were performed by fitting several  
13 114 different line segments on a logarithmic scale with the simplest model. Significant  
14 115 changes were identified by permutation tests and estimated by the Monte Carlo  
15 116 method. A *P* value less than 0.05 was used to denote to be statistical significance.  
16 117 All statistical and graphical analyses were carried out using R version 4.1.2 (Vienna,  
17 118 Austria), Joinpoint software version 4.9.0.1 (National Cancer Institute, USA) and  
18 119 GraphPad Prism 8 (California, USA).

#### 120 **Patient and Public Involvement**

121 Patients or the public were not involved in this study.

### 122 123 **RESULTS**

#### 124 **1. Global burden of chronic kidney disease**

125 Globally, there were 697.29 million CKD cases and 18.99 million incident cases in  
126 2019, both of which were more than twice those in 1990 (supplementary table 1,  
127 supplementary table 2, supplementary figure 1a and supplementary figure 1b). The  
128 number of deaths caused by CKD doubled from 0.60 million (95% UI: 0.57-0.63  
129 million) in 1990 to 1.43 million (95% UI: 1.31-1.52 million) in 2019 (table 1; figure  
130 1a). Among all the causes of death, the percentage of deaths due to CKD doubled  
131 from 1.29% to 2.53%. The numbers of deaths caused by CKD increased from 19th in  
132 1990 to 11th in 2019 (supplementary figure 2a), and the ASDR increased from 15th to  
133 10th (supplementary figure 2b). Global DALYs also doubled from 21.50 million in  
134 1990 to 41.54 million in 2019 (supplementary table 3 and supplementary figure 1c).  
135 During this period, the age-standardized incidence rate (ASIR) increased over time,  
136 with an EAPC of 3.15 (95% CI: 3.11 to 3.19) (supplementary table 2, supplementary  
137 figure 3). The ASDR, DALYs, YLLs and YLDs showed upward trends in the first  
138 half of the study period but downward trends in the latter years according to the  
139 Joinpoint analyses (figure 1b right, supplementary figure 3). These trends were  
140 consistent in both the male and female (supplementary figure 3).

141  
142 **Table 1.** Death cases and age-standardized death rates of chronic kidney disease in 1990 and 2019,  
143 and the temporal trends from 1990 to 2019.

Characteristics	1990		2019		1990-2019
	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	EAPC of ASDR (95% CI)
Global	601.31 (567.6-633.79)	16.14 (15.13-17.13)	1427.23 (1313.73-1524.55)	18.29 (16.72-19.55)	0.55 (0.46 to 0.64)
<b>Gender</b>					
Males	313.94 (293.38-338.57)	19.55 (18.19-21.18)	741.38 (685.84-801.7)	21.59 (19.93-23.27)	0.55 (0.46 to 0.64)
Females	287.37 (268.8-305.44)	13.89 (12.91-14.79)	685.85 (614.92-741.57)	15.8 (14.17-17.09)	0.55 (0.46 to 0.64)
<b>SDI regions</b>					
Low	62.02 (55.89-68.54)	27.21 (24.08-30.65)	125.07 (112.78-137.96)	25.28 (22.9-27.68)	-0.27 (-0.31 to -0.22)
Low-middle	126.51 (114.96-138.84)	21.9 (19.73-24.25)	293.49 (265.9-320.13)	22.95 (20.77-25.04)	0.14 (0.01 to 0.26)
Middle	196.59 (183.72-209.89)	21.01 (19.54-22.84)	506.13 (464.49-547.47)	22.8 (20.79-24.75)	0.43 (0.36 to 0.5)
High-middle	116.33 (109.59-124.18)	12.25 (11.42-13.2)	227.99 (207.02-244.66)	11.78 (10.65-12.65)	-0.08 (-0.22 to 0.06)
High	99.47 (92.56-103.08)	9.61 (8.92-9.98)	273.59 (236.92-294.76)	12.58 (11.09-13.47)	1.21 (1.09 to 1.32)
<b>21 GBD regions</b>					
Central Asia	5.04 (4.73-5.75)	10.01 (9.33-11.63)	10.38 (9.43-11.49)	14.75 (13.48-16.17)	1.11 (0.73 to 1.49)
Central Europe	13.14 (12.7-13.56)	9.62 (9.22-9.93)	18.76 (16.33-21.22)	8.61 (7.5-9.74)	-0.23 (-0.36 to -0.11)
Eastern Europe	11.06 (10.74-11.35)	4.41 (4.25-4.53)	15.93 (14.23-17.56)	4.85 (4.34-5.34)	-0.16 (-0.42 to 0.09)
Australasia	2.02 (1.85-2.14)	9.27 (8.39-9.87)	6.12 (5.14-6.85)	10.77 (9.17-12)	0.7 (0.62 to 0.78)
High-income Asia Pacific	22.94 (21.27-23.86)	13.12 (12.01-13.73)	54.14 (42.82-60.58)	9.13 (7.54-10.06)	-1.35 (-1.43 to -1.28)
High-income North America	35.75 (32.89-37.2)	9.79 (9.03-10.18)	114.46 (102.38-122.48)	16.88 (15.26-17.98)	2.26 (2.07 to 2.45)
Southern Latin America	8.99 (8.51-9.42)	20.79 (19.61-21.83)	21.69 (19.81-23.33)	25.45 (23.27-27.34)	0.72 (0.43 to 1.02)
Western Europe	49.78 (46.2-51.89)	8.49 (7.86-8.87)	116.66 (99.12-126.16)	9.97 (8.58-10.73)	0.98 (0.86 to 1.1)

Andean Latin America	5.24 (4.78-5.74)	25.51 (23.13-28.1)	19.38 (16.14-22.96)	35.68 (29.73-42.21)	1.37 (1.07 to 1.67)
Caribbean	4.79 (4.47-5.28)	18.59 (17.28-20.52)	12.66 (10.85-14.78)	24.58 (21.08-28.71)	1.44 (1.31 to 1.58)
Central Latin America	20.7 (19.77-21.36)	25.77 (24.22-26.76)	111.71 (98.57-125.86)	48.11 (42.52-54.16)	2.42 (2.09 to 2.74)
Tropical Latin America	16.59 (15.87-17.14)	19.36 (18.16-20.14)	44.22 (40.46-46.73)	18.96 (17.25-20.06)	0.01 (-0.06 to 0.09)
North Africa and Middle East	52.6 (47.64-61.84)	34.74 (30.67-44.08)	111.81 (96.42-130.85)	30.37 (26.34-35.39)	-0.43 (-0.51 to -0.34)
South Asia	117.5 (100.02-134.35)	22.21 (18.57-25.75)	285.34 (248.21-324.6)	21.56 (18.82-24.36)	-0.3 (-0.51 to -0.08)
East Asia	104.32 (92.79-116.88)	13.28 (11.9-14.75)	209.29 (179.98-237.7)	11.55 (9.99-13.05)	-0.21 (-0.32 to -0.1)
Oceania	0.62 (0.53-0.72)	20.82 (18.22-23.98)	1.6 (1.32-1.93)	23.8 (20.26-27.96)	0.31 (0.12 to 0.49)
Southeast Asia	68.7 (63.3-74.86)	27.38 (24.96-30.14)	153.37 (137.32-169.64)	27.79 (24.63-30.68)	0.06 (0 to 0.12)
Central Africa	Sub-Saharan 6.45 (5.47-7.54)	30.32 (25.81-34.98)	12.36 (9.7-15.19)	25.87 (19.78-31.73)	-0.64 (-0.68 to -0.61)
Eastern Africa	Sub-Saharan 21.64 (19.01-24.17)	29.43 (25.56-33.33)	38.6 (34.23-43.26)	26.24 (23.43-29.23)	-0.5 (-0.55 to -0.46)
Southern Africa	Sub-Saharan 6.18 (5.58-7.05)	23.04 (20.68-26.41)	16.27 (14.95-17.65)	32.44 (29.77-35.1)	1.31 (0.95 to 1.66)
Western Africa	Sub-Saharan 27.27 (23.36-32.18)	31.88 (27.56-37.76)	52.47 (44.11-61.28)	29.35 (25.21-33.71)	-0.21 (-0.25 to -0.17)

145 SDI: sociodemographic index; ASDR: age-standardized death rate; EAPC: estimated annual  
146 percentage change; UI: uncertainty interval; CI: confidence interval.

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148 Of the total DALYs, which is consisted of years of life lost prematurely (YLLs) and  
149 years lived with disability (YLDs), YLLs accounted for 78.94%, while YLDs  
150 accounted for 21.06% in 2019. As the overall death burden was mainly attributed to  
151 disease-related deaths, we focused subsequent analyses mainly on the CKD-related  
152 death burden. During the three decades, all five SDI regions showed increases in the  
153 numbers of deaths over time (figure 1b left). Among them, the middle-SDI region  
154 showed the highest death numbers, reaching 0.51 million, and the low-SDI region had  
155 the lowest, with 0.13 million, in 2019 (figure 1a and 1b left). The ASDR in the high-  
156 SDI region increased dramatically, with an EAPC of 1.21 (95% CI: 1.09 to 1.32), and  
157 exceeded that of the high-middle-SDI from 2011 onward (figure 1b right). In contrast,  
158 the low-SDI region still had the highest ASDR in 2019, at 25.28 per 100,000  
159 population (95% UI: 22.90-27.68), although it had the most significant declining trend

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3 160 (EAPC: -0.27, 95% CI: -0.31 to -0.22) (figure 1b right). The ASDR was negatively  
4 161 correlated with SDI level worldwide ( $\rho = -0.603$ ,  $P < 0.0001$ , figure 1c), while the  
5 162 ASIR was positively correlated with SDI level ( $\rho = 0.54$ ,  $P < 0.0001$ , supplementary  
6 163 figure 4).

7  
8 164 At the regional level, death numbers in all 21 regions and the ASDRs in most regions  
9 165 showed increasing trends during this period (figure 1d). At the country level, CKD-  
10 166 related deaths increased by more than 500% in the United Arab Emirates, Venezuela,  
11 167 Estonia, Armenia, El Salvador and Ecuador over the three-decade study period  
12 168 (supplementary table 4). India (0.22 [95% UI: 0.19-0.26] million) surpassed inland  
13 169 China (0.20 [95% UI: 0.17-0.23] million) to be the largest number of CKD-related  
14 170 deaths in 2019. The number of deaths in the United States of America (0.11 [95% UI:  
15 171 0.10-0.11] million) were second to only those in India and China. The total number of  
16 172 deaths for these three countries accounted for 36.91% of the worldwide number of  
17 173 deaths in 2019 (figure 1e, supplementary figure 5). Nicaragua had the largest ASDR,  
18 174 at 80.24 (95% UI: 69.57-83.24) per 100,000 population (figure 1f, supplementary  
19 175 table 4). Estonia showed the fastest increase in the ASDR with an EAPC of 5.36 (95%  
20 176 CI: 4.91 to 5.81) during this period (figure 1g, supplementary table 4). While  
21 177 Mongolia had the fastest decrease in the ASDR of CKD (EAPC: -3.6, 95% UI: -4.07  
22 178 to -3.12) (figure 1g, supplementary table 4).

## 29 179 **2. The CKD-related death burden in males was higher than that in females in** 30 180 **relatively high SDI regions**

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32 181 Generally, the number of CKD-related deaths was larger in males than in females  
33 182 over the past 3 decades (figure 2a). At the SDI level, even though both showed  
34 183 increasing trends, the difference slightly narrowed with time, with the ratio of female  
35 184 deaths to male deaths changing from 0.915 in 1990 to 0.925 in 2019 (figure 2b). The  
36 185 ratio remained above 1 in the high-SDI region during this period. In 2019, the high-  
37 186 and high-middle-SDI regions had higher female death burdens, with ratios of female  
38 187 deaths to male deaths of 1.079 and 1.018, respectively, while the ratios in low- and  
39 188 low-middle-SDI regions were 0.802 and 0.812, which were the lowest (figure 2b left).  
40 189 Similar to the number of deaths, the CKD-related ASDR in males was higher than  
41 190 that in females over this period. In 2019, the female to male ASDR ratios ranged from  
42 191 0.6 to 0.8 in all the SDI regions (figure 2b right), suggesting that the CKD-related  
43 192 death burden was unbalanced between sexes and age groups.

44  
45 193 At the regional level, the female to male deaths ratios in Eastern Europe was the  
46 194 highest (1.32), and that in Oceania was the lowest (0.66) in 2019. Death cases of both  
47 195 sexes were mainly concentrated in Asia. Both male and female deaths in Latin  
48 196 America had the fastest increase over time. In contrast, female death numbers in  
49 197 Eastern Europe and male death numbers in Central Europe had the slowest increases  
50 198 (figure 2c, supplementary table 5). Unlike the number of deaths, the female to male  
51 199 ASDR ratios in most regions were less than 1.0, except in North Africa and Middle  
52 200 East (1.03). The ratio in Southern sub-Saharan Africa was the lowest, at 0.567  
53 201 (supplementary table 5).



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3 202 At the country level, the numbers of male deaths in almost all the countries showed  
4 203 increasing trends, except in Slovakia and Poland. The death ratios in Estonia,  
5 204 Hungary, Latvia, Austria and Vietnam were over 1.5, which suggested that the CKD-  
6 205 related death burden was much higher in women than in men in these countries. In  
7 206 contrast, the ratio was less than 0.5 in Papua New Guinea and the United Arab  
8 207 Emirates, indicating a higher death burden in men (figure 2d, supplementary table 6).  
9 208 The ASDRs in both females and males in Mongolia showed the largest decreases,  
10 209 with decreases of 43.19% in females and 57.07% in males.

### 11 210 **3. The age-related CKD-related death burden is more serious in high-SDI** 12 211 **regions**

13 212 In 2019, global CKD-related deaths were mainly distributed in middle-aged and  
14 213 elderly people over 50 years old, specifically 50-74 years old, who accounted for  
15 214 41.91% (figure 3a). Those aged 50-74 years had the largest death numbers in all the  
16 215 SDI regions except high-SDI region. In high-SDI region, the numbers of CKD-related  
17 216 death were increased with age, with the largest in 85 plus age group. The numbers of  
18 217 deaths in the 85 plus age group had the greatest increases in all SDI regions (figure  
19 218 3a). Those aged 0-9 years showed decreases in the numbers of deaths in all the SDI  
20 219 regions except the low-SDI region. Those aged 10-24 years had increased numbers of  
21 220 deaths in the low- and low-middle-SDI regions (figure 3b). Therefore, premature  
22 221 deaths were mainly concentrated in the relatively lower SDI regions in 2019.

23 222 During this period, the age distribution of CKD-related deaths in the relatively young  
24 223 population, including the 0-9, 10-24 and 25-49, and 50-74 age groups, showed a  
25 224 declining trend (figure 3c). In contrast, deaths in elderly individuals, particularly those  
26 225 aged 85 years and older, showed an upward trend. Central Asia was the only region  
27 226 that saw a decline composition of 85 plus age group (figure 3c). As to SDI level, the  
28 227 proportion of deaths the 85 plus age group showed an upward trend with increasing  
29 228 SDI level, with the highest value of 58.20% in the Western Europe region in 2019.  
30 229 Eastern sub-Saharan Africa and Western sub-Saharan Africa, with lower SDI levels,  
31 230 had the highest proportions of the 10-24 and 0-9 age groups, respectively. The High-  
32 231 income Asia Pacific region had the largest increase in the proportion among the 85  
33 232 plus age group and the largest decrease among the 50-74 age group (figure 3c). These  
34 233 results revealed that the CKD-related death burden gradually shifted to elderly  
35 234 individuals in higher SDI regions. In addition, the proportion of females increased  
36 235 with increasing age was found in the further analysis of sex compositions among  
37 236 different age groups (figure 3d).

### 38 237 **4. CKD Burden attributable to risk factors**

39 238 Globally, metabolic disorders (such as diabetes, obesity and hypertension) were the  
40 239 main risk factors for death from CKD. Over this period, the numbers of deaths due to  
41 240 CKD attributable to high systolic blood pressure (SBP), high fasting plasma glucose  
42 241 (FPG) and high body mass index (BMI) sharply increased (figure 4a), which were the  
43 242 main risk factors contributing to the ASDR of CKD, accounting for 61.98%, 33.59%  
44 243 and 27.16%, respectively in 2019. Even though the ASDR of CKD attributable to



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3 244 high BMI had the largest increase, at 77.09%, compared with 17.56% for high SBP  
4 245 and 20.41% for high FPG, the ranks of these risk factors did not change (figure 4a).  
5 246 CKD attributable to high SBP was associated with the highest ASDRs in all the SDI  
6 247 regions over this period (figure 4a). In 2019, high SBP-attributed death rate in the  
7 248 low-SDI region was the higher than in other SDI-regions (figure 4b), even though it  
8 249 showed the greatest reduction during the 30-year study period (decrease of 3.04%).  
9 250 The high SBP-attributed death rate in the high-SDI region saw the fastest increase  
10 251 (figure 4b). In 2019, ASDR attribute to high SBP in the high-middle-SDI region was  
11 252 the lowest. At the regional level, the rank of the high SBP-attributed ASDR in Central  
12 253 Latin America increased from sixth in 1990 to first among all 21 regions in 2019, with  
13 254 the greatest increase.

14 255 The highest FPG-attributed ASDRs were mainly concentrated in the low-middle and  
15 256 low-SDI regions during this period (figure 4b). In 2019, high FPG was the second  
16 257 most prevalent risk factor, followed by high BMI, in all regions except the high-SDI  
17 258 region (figure 4a, c). In contrast, BMI was ranked as the second most prevalent  
18 259 contributor, exceeding FPG, to the ASDR in the high-SDI region in 2019, even  
19 260 though the FPG-attributed death rate in this region showed a larger increase than  
20 261 those in other regions (figure 4b, c). In 2019, the FPG-attributed ASDR in the middle-  
21 262 SDI region was higher than those in the other SDI regions, while that in the high-  
22 263 middle-SDI region was the lowest (figure 4b). The BMI-attributed ASDR in the  
23 264 middle-SDI was the highest, while in the high-middle SDI, it was the lowest. It is  
24 265 worth noting that the BMI-attributed ASDRs in all five SDI regions had steep  
25 266 increasing trends over this period (figure 4b). A diet high in sodium was the fourth-  
26 267 ranked contributor to the CKD ASDR in the high-middle-, middle- and low-middle-  
27 268 SDI regions and the fifth-ranked contributor in the high- and low-SDI regions (figure  
28 269 4a).

29 270 Notably, although the high temperature-related death burden was low (figure 4c), the  
30 271 high temperature-attributed ASDRs increased steeply in the low-middle- and low-SDI  
31 272 regions over this period (figure 4b). These regions had the highest high temperature-  
32 273 attributed ASDRs in 2019 (figure 4c). In sharp contrast, the high temperature-  
33 274 attributed ASDRs in the high-middle- and high-SDI regions decreased by 7.62 and  
34 275 6.55 times, respectively, compared with those in 1990 (figure 4b). The high-middle-  
35 276 SDI region had the lowest high temperature-related death rate in 2019. At the regional  
36 277 level, East Asia, High-income North America, South Asia and Western Europe  
37 278 showed the fastest increases in the high temperature-attributed ASDRs, and South  
38 279 Asia had the highest high temperature-attributed death rate in 2019. Central Latin  
39 280 America and Southeast Asia had the fastest decreases in the high temperature-  
40 281 attributed ASDR. Tropical Latin America, Southern sub-Saharan Africa and Eastern  
41 282 sub-Saharan Africa had the lowest values.

## 283 **DISCUSSION**

284 284 Despite advancements in scientific research that have led to a better understanding of  
285 285 the pathogenesis of diseases and significant improvements in disease management, no

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3 286 significant improvement was observed in the burden of CKD-related deaths, in  
4 287 contrast with other noncommunicable diseases. CKD is characterized by a gradual  
5 288 decline kidney function that eventually results in end-stage renal disease (ESRD),  
6 289 with little chance of reversal. CKD is therefore an important cause of morbidity and  
7 290 mortality among noncommunicable diseases.<sup>15</sup>  
8  
9 291 Our results showed significant regional variations in the CKD-related death burdens.  
10 292 The ASDR of CKD was associated with SDI, with higher CKD ASDRs in lower SDI  
11 293 regions. This may be related to a lack of effective health interventions caused by  
12 294 inadequate health care funding and weak health systems in lower SDI regions.<sup>16</sup> If  
13 295 these trends continue, differences in the CKD death burden among regions will  
14 296 increase further. In terms of geographical regions and countries, the CKD death  
15 297 burden in Mesoamerica (especially Nicaragua, El Salvador and Mexico) was more  
16 298 serious than those in other geographical locations. This may be due to the  
17 299 megathermal climate or the rates of diabetes and hypertension, which are major risk  
18 300 factors globally.<sup>17</sup> A recent study revealed that agricultural workers who currently or  
19 301 used to work in the sugarcane industry may be at high-risk of CKD.<sup>17 18</sup> In addition,  
20 302 climate change in this region may be a risk factor for CKD-related death.<sup>19</sup> These  
21 303 findings call for increased government planning and interventions and the  
22 304 development of new and more appropriate solutions to address the CKD death burden  
23 305 in this area.  
24  
25 306 Globally, the number of CKD-related deaths and ASDR were larger and higher in  
26 307 males than in females, but the difference narrowed over time. It is worth noting that  
27 308 the sex ratio of deaths in the high-SDI region remained above 1 during the study  
28 309 period, but the ASDR ratio did not, which may be attributed to the increase in the  
29 310 population and the aging of the population in this region, especially among females.  
30 311 In contrast, the sex ratio of the ASDR was higher than the ratio of deaths in several  
31 312 countries in the Middle East, such as Egypt (1.60 vs. 1.13 in Egypt). This result  
32 313 coincided with the lower disability-free life expectancy among women's total lifetime  
33 314 in this region.<sup>20</sup>  
34  
35 315 Over the past 30 years, the age distribution of CKD-related deaths showed a gradual  
36 316 increasing trend with age, and people in the middle-aged and elderly groups (> 50  
37 317 years old) accounted for the main proportion of CKD deaths. This trend may be  
38 318 closely related to improvements in health care as well as population aging worldwide.  
39 319 However, in regions with relatively low SDIs, such as Africa, premature deaths are  
40 320 still prevalent, with increasing numbers, which may be explained by the low levels of  
41 321 medical and health care in these regions. Patients diagnosed with CKD may not  
42 322 receive timely and adequate medical care to slow the progression of renal  
43 323 deterioration, resulting in premature death, which reflects the impact of  
44 324 socioeconomic development on premature CKD-related deaths.<sup>21</sup> Therefore, policy  
45 325 makers and the health care sector in these regions should implement urgent measures  
46 326 to reverse this negative trend.  
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48 327 The most cost-effective strategy to reduce the number of CKD-related deaths is

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3 328 preventing the onset of CKD.<sup>22</sup> Therefore, screening high-risk groups and developing  
4 329 interventions targeting a variety of risk factors are the most effective approaches.<sup>22 23</sup>  
5 330 High SBP, FPG and BMI were the main risk factors for CKD-related death.<sup>1 6 24</sup>  
6 331 Hence, implementing measures to improve blood pressure, plasma glucose and body  
7 332 weight is critical for reducing the CKD burden.<sup>25</sup>  
8 333 Although the CKD-related death burden attributed to high temperature exposure was  
9 334 low, the rapid upward trend, especially in the low- and low-middle-SDI regions,  
10 335 should be noted. In contrast, this burden in the high- and high-middle-SDI regions  
11 336 tended to remain stable or even decreased. Some studies recently reported large  
12 337 numbers of young sugarcane workers with end-stage of CKD, who did not have any  
13 338 known risk factors for CKD, such as high blood pressure or diabetes before.<sup>17</sup>  
14 339 Subsequent reports found that CKD of unknown origin also occurred in people who  
15 340 worked in agriculture or construction in other low-socioeconomic areas.<sup>26</sup> It has  
16 341 already been the leading cause of hospitalization and death among CKD patients in  
17 342 Central America.<sup>27</sup> Even though the exact pathogenesis of CKD in these individuals is  
18 343 currently unknown, it is undoubtedly related to heat exposure and dehydration caused  
19 344 by rapidly changing environmental conditions.<sup>26 28 29</sup> Compared with the higher SDI  
20 345 regions, the ability to provide health care and adapt to climate change in relative  
21 346 lower regions were limited; therefore, the situation is severely affected by high  
22 347 temperature exposure and is getting worse.<sup>29</sup> Local governments should formulate  
23 348 effective measures to cope with the high-temperature environment and formulate  
24 349 strategies to mitigate climate change. Moreover, cooperation among clinicians, public  
25 350 health personnel, government agencies and medical researchers should be promoted  
26 351 to raise public awareness of CKD, actively explore the specific mechanism of the  
27 352 influence of high temperature exposure on CKD and minimize the adverse effects of  
28 353 climate change on kidney health.

## 354 **CONCLUSIONS**

355 In summary, CKD remains a critical global public health concern. CKD-related  
356 deaths continue to increase, with the majority now occurring in elderly adults, mainly  
357 due to the increase in and the aging of the global population. However, the numbers  
358 of premature deaths in regions with low-SDI levels remain high, and the trend is  
359 increasing. In addition, the burden of CKD-related deaths is more severe in men than  
360 in women, though this difference is likely to narrow over time. Hypertension, diabetes  
361 and obesity remain critical risk factors for CKD. Moreover, in the low-SDI region, the  
362 rapidly increasing number of CKD-related deaths attributed to high temperature  
363 exposure should not be ignored, and national-level measures should be taken to  
364 reverse this trend.

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## 367 **Competing interests**

368 No competing interests to declare.

## 369 **Contributors**

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2  
3 370 The idea and conceptual design: YL and XS; Data acquisition: ZC and NH; Literature  
4 371 retrieval and data collation: XL and XF; Data analysis: ZC and JL; Visualization: XL  
5 372 and YL; Preparation of the original draft: ZC and NH; Manuscript editing: YL and  
6 373 XS. Authors confirm that all of them have full access to all the data of the present  
7 374 study and are responsible for submitting for publication.

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13 379 **Ethics approval**

14 380 Not applicable. Data of this study was publicly available and no patient and animal  
15 381 was involved.

16 382 **Data sharing statement**

17 383 Data are available in public database.

18 384

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For peer review only

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3 480 **Figure legends**  
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6 481 **figure 1.** Global death cases and death rate of CKD from 1990 to 2019. (A) Death  
7 482 cases in global and SDI areas in 1990 and 2019. (B) Death cases and ASDRs in global  
8 483 and SDI areas from 1990 to 2019. (C) Relationship between ASDRs and SDI from  
9 484 1990 to 2019. (D) Death cases and ASDRs in 21 geographic regions from 1990 to  
10 485 2019. (E) Death cases in 204 countries and territories in 2019. (F) The ASDRs in 204  
11 486 countries and territories in 1990 and 2019. (G) The EAPCs of ASDRs in 204  
12 487 countries and territories from 1990 to 2019. ASDR, age-standardized death rate (per  
13 488 100,000 population).

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17 489 **figure 2.** Sex differences and trends of CKD deaths and ASDR from 1990 to 2019.  
18 490 (A) The ASDRs in males and females globally from 1990 to 2019. (B) Death cases  
19 491 ratio between females to males (left) and ASDR ratio between females to males  
20 492 (right), in global and SDI areas in 1990 and 2019. (C) Gender composition of death  
21 493 cases and ASDR in global and SDI areas in 1990 and 2019. (D) Death cases ratio  
22 494 between females to males (left) and ASDR ratio between females to males (right) in  
23 495 204 countries and territories in 2019. ASDR, age-standardized death rate (per 100,000  
24 496 population).

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29 497 **figure 3.** The distribution of CKD death cases and rates in age groups, SDI areas and  
30 498 21 geographic regions from 1990 to 2019. (A) Death cases in age groups in global and  
31 499 SDI areas from 1990 to 2019. (B) The change percentage of death cases (right) and  
32 500 rate (left) in age groups from 1990 to 2019. (C) Six age groups as percentages of total  
33 501 deaths in global, SDI areas and 21 geographic regions in 1990 and 2019. (D) Gender  
34 502 composition of death in global and SDI areas in 2019.

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38 503 **figure 4.** Predominant contribution of risk factors to CKD-related deaths in global and  
39 504 SDI areas. (A) Death cases and ASDRs attributed to main risk factors by SDI region  
40 505 from 1990 to 2019. (B) The ASDRs trends in SDI regions attributed to each main risk  
41 506 factor. (C) Proportions of deaths in global and SDI regions attributed to each risk  
42 507 factors in 2019. ASDR, age-standardized death rate (per 100,000 population).  
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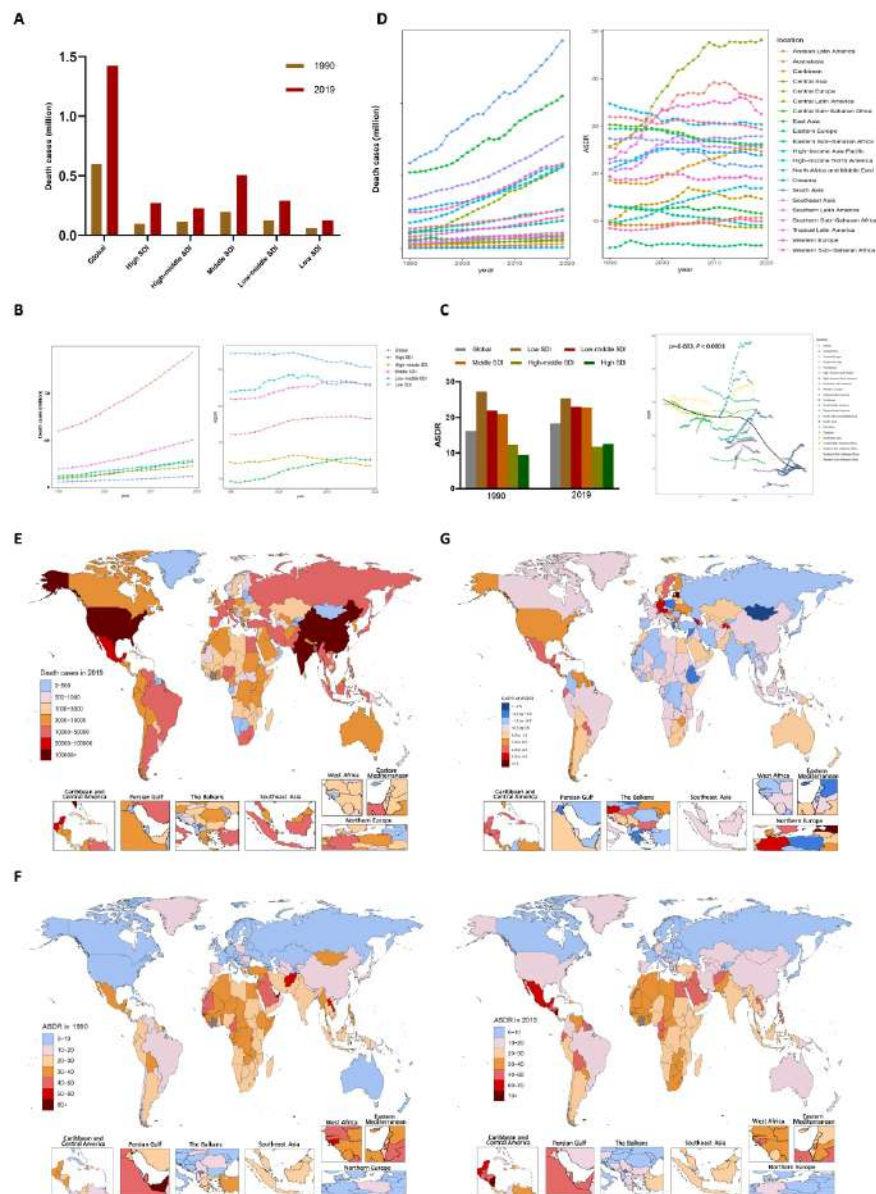


figure 1. Global death cases and death rate of CKD from 1990 to 2019. (A) Death cases in global and SDI areas in 1990 and 2019. (B) Death cases and ASDRs in global and SDI areas from 1990 to 2019. (C) Relationship between ASDRs and SDI from 1990 to 2019. (D) Death cases and ASDRs in 21 geographic regions from 1990 to 2019. (E) Death cases in 204 countries and territories in 2019. (F) The ASDRs in 204 countries and territories in 1990 and 2019. (G) The EAPCs of ASDRs in 204 countries and territories from 1990 to 2019. ASDR, age-standardized death rate (per 100,000 population).

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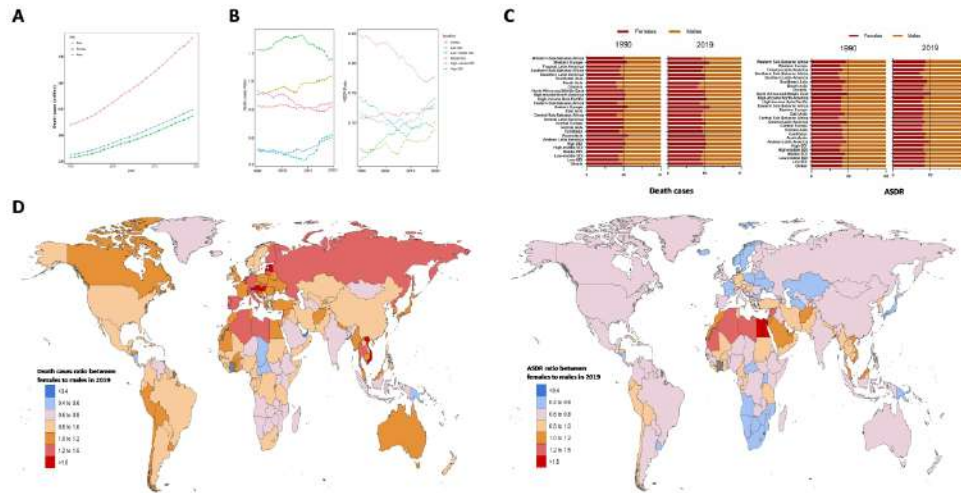


figure 2. Sex differences and trends of CKD deaths and ASDR from 1990 to 2019. (A) The ASDRs in males and females globally from 1990 to 2019. (B) Death cases ratio between females to males (left) and ASDR ratio between females to males (right), in global and SDI areas in 1990 and 2019. (C) Gender composition of death cases and ASDR in global and SDI areas in 1990 and 2019. (D) Death cases ratio between females to males (left) and ASDR ratio between females to males (right) in 204 countries and territories in 2019. ASDR, age-standardized death rate (per 100,000 population).

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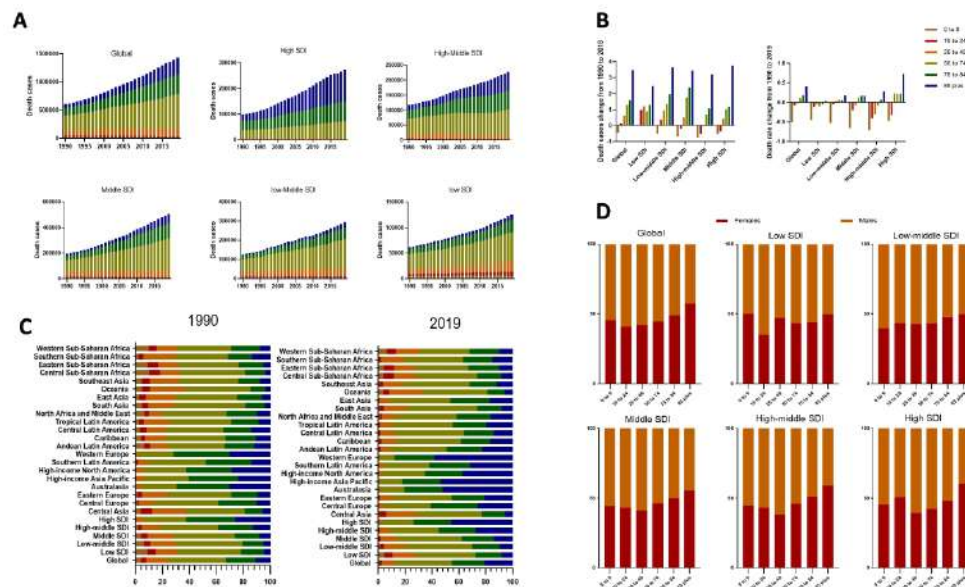


figure 3. The distribution of CKD death cases and rates in age groups, SDI areas and 21 geographic regions from 1990 to 2019. (A) Death cases in age groups in global and SDI areas from 1990 to 2019. (B) The change percentage of death cases (right) and rate (left) in age groups from 1990 to 2019. (C) Six age groups as percentages of total deaths in global, SDI areas and 21 geographic regions in 1990 and 2019. (D) Gender composition of death in global and SDI areas in 2019.

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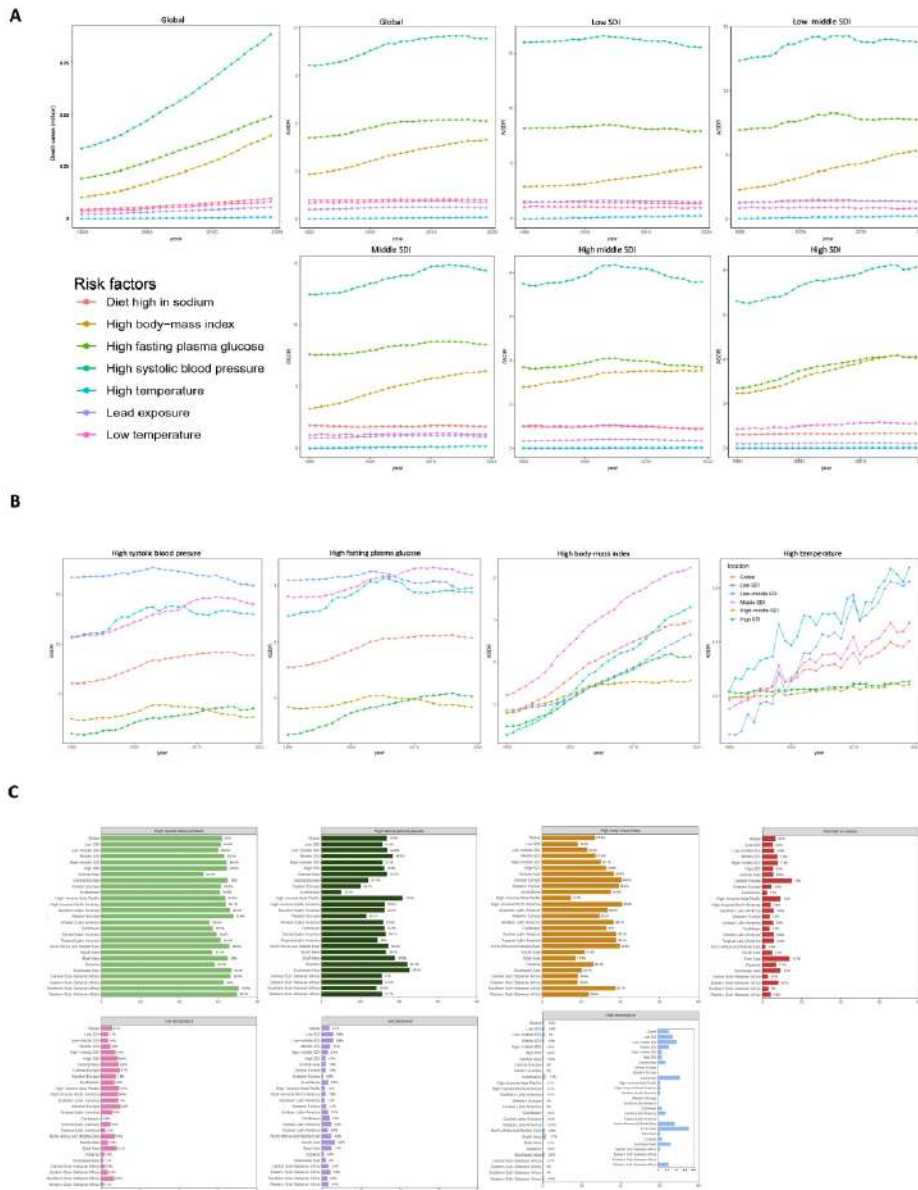


figure 4. Predominant contribution of risk factors to CKD-related deaths in global and SDI areas. (A) Death cases and ASDRs attributed to main risk factors by SDI region from 1990 to 2019. (B) The ASDRs trends in SDI regions attributed to each main risk factor. (C) Proportions of deaths in global and SDI regions attributed to each risk factors in 2019. ASDR, age-standardized death rate (per 100,000 population).

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# Global Death Burden of Chronic Kidney Disease from 1990 to 2019

**Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.**

**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.**

**Supplemental figure 5. The proportions of death numbers in India, China and America in global.**

**Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**

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5 **from 1990 to 2019 in global and regions.**  
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8 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
9 **1990 to 2019 in global and regions.**  
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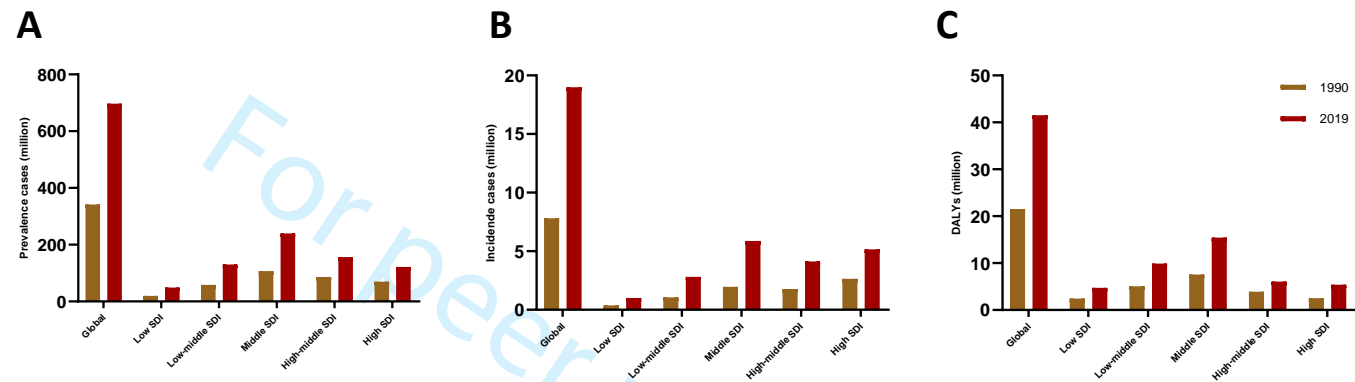
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13 **1990 to 2019 in global and regions.**  
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17 **Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019**  
18 **in 204 countries.**  
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21 **Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic**  
22 **regions from 1990 to 2019 in 21 regions.**  
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26 **Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries**  
27 **and territories from 1990 to 2019 in 204 countries.**  
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Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.



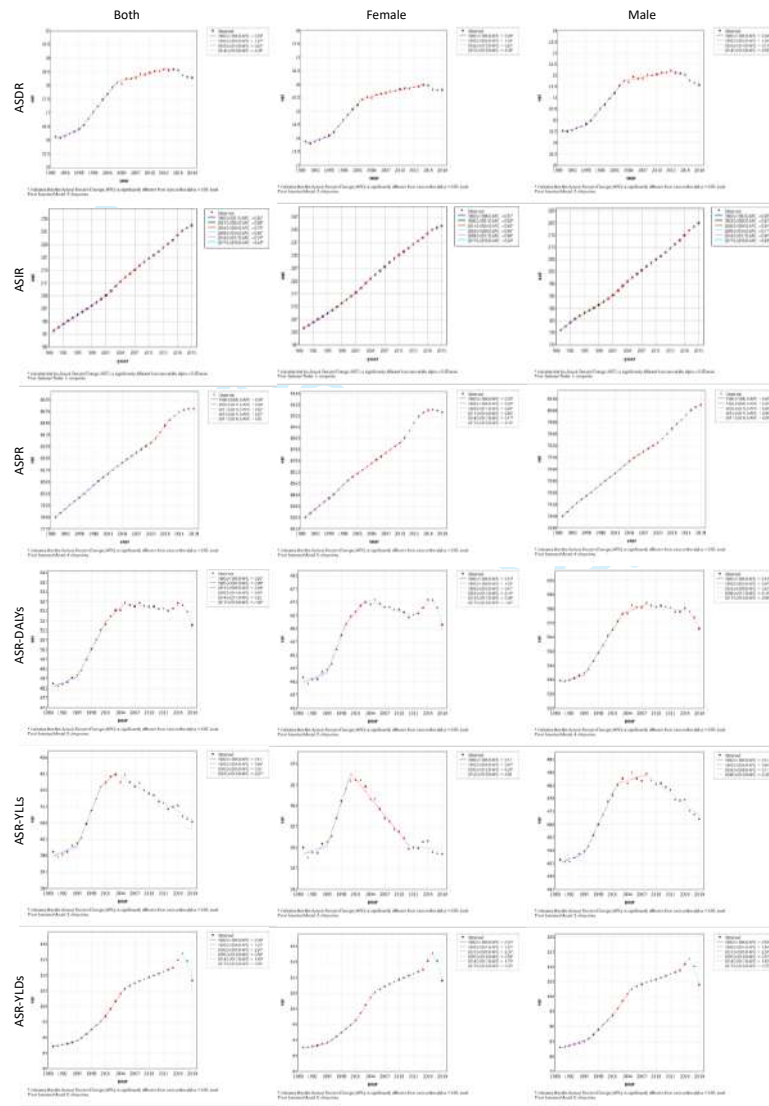




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**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019.** DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).

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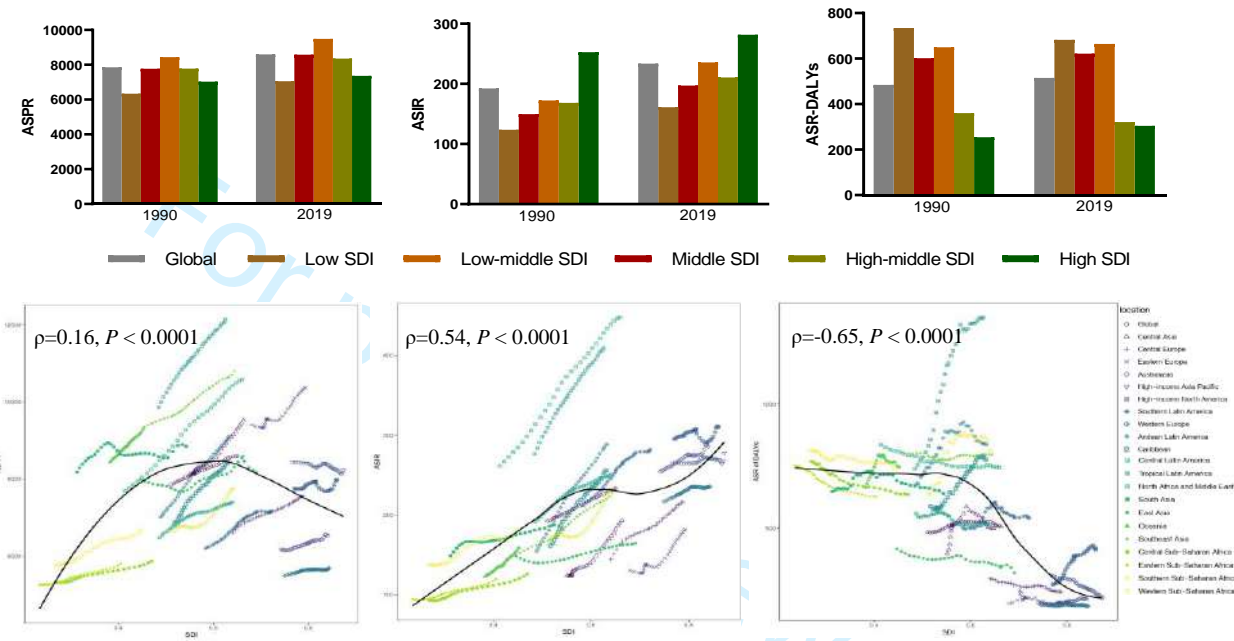


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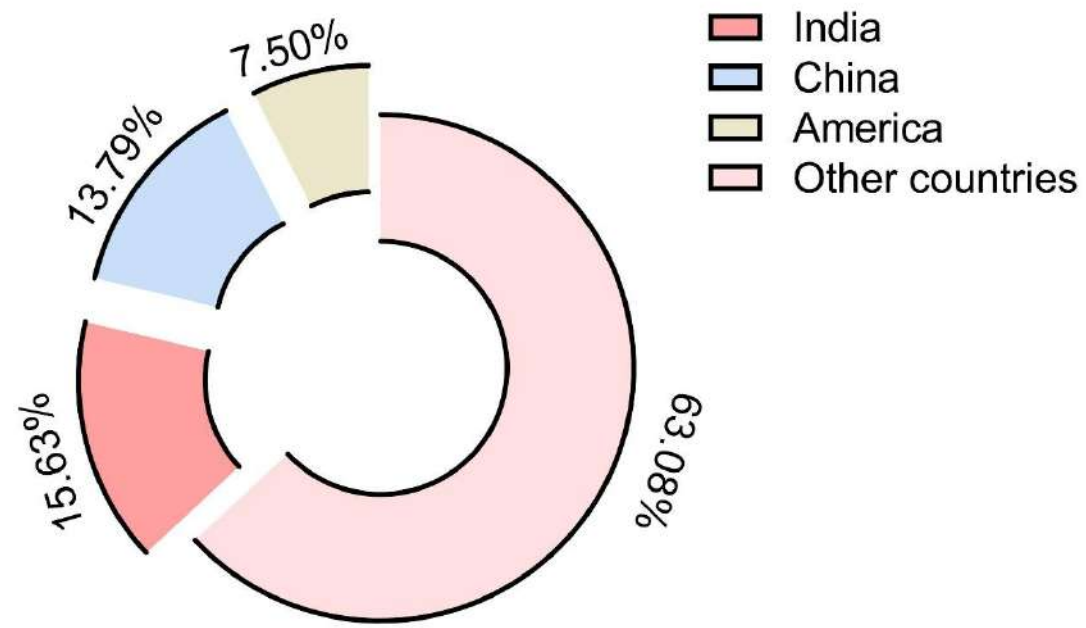
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**Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019.** DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).

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Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.



Supplemental figure 5. The proportions of death numbers in India, China and America in global.

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5 **Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**  
6 **from 1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	EAPC of ASPR (95% CI)
	(95% UI)	population (95% UI)	(95% UI)	population (95% UI)	
Global	341.67 (316.59-366.107.7)	7855.83 (7300.33-8372.66)	697.29 (650.05-741080.75)	8596.21 (8015.74-9125.28)	0.32 (0.32 to 0.33)
<b>Gender</b>					
Males	153.14 (141.72-164.63)	7349.01 (6823.3-7842.18)	314.32 (292.96-334.84)	8109.77 (7572.96-8608.03)	0.69 (0.68 to 0.7)
Females	188.52 (174.87-201.34)	8305.89 (7710.48-8854.59)	382.98 (356.75-406.65)	9049.82 (8425.02-9616.13)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	19.74 (18.26-21321.4)	6338.15 (5882.6-6789.29)	48.7 (45.05-52510.46)	7057.41 (6568.24-7529.2)	0.34 (0.32 to 0.36)
Low-middle	58.61 (54.03-63338.25)	7766.83 (7198.66-8314.67)	130.15 (120.81-139501.25)	8579.86 (7996.24-9142.82)	0.25 (0.21 to 0.29)
Middle	107.24 (98.79-115911.52)	8440.84 (7808.66-9019.18)	239.88 (222.64-256277.84)	9491.19 (8838.42-10086.19)	0.48 (0.45 to 0.5)
High-middle	86.19 (79.75-92396.6)	7781.68 (7221.18-8317.69)	156.23 (145.42-166645.78)	8350.95 (7763.91-8901.8)	0.32 (0.29 to 0.34)
High	69.73 (64.86-74222.57)	7026.65 (6533.72-7475.58)	121.95 (114.53-129214.01)	7364.77 (6889.24-7796.06)	0.12 (0.09 to 0.14)
<b>21 GBD regions</b>					
Central Asia	4.45 (4.11-4803.7)	8137.03 (7524.1-8741.66)	8.15 (7.51-8784.58)	9524.26 (8802.23-10175.81)	0.59 (0.53 to 0.65)

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6	Central Europe	9.15 (8.44-9807.35)	6605.48 (6109.43-7070.96)	13.57 (12.65-14461.73)	7564.59 (7024.38-8040.5)	0.42 (0.4 to 0.44)
7						
8	Eastern Europe	24.38 (22.55-26323.67)	9409.89 (8700.06-10160.11)	30.13 (27.96-32292.36)	10377.83 (9616.95-11142.47)	0.39 (0.34 to 0.44)
9						
10	Australasia	1.41 (1.33-1487.37)	6177.9 (5831.64-6510.55)	2.95 (2.77-3128.02)	6532.01 (6133.49-6925.11)	0.22 (0.2 to 0.23)
11						
12	High-income Asia Pacific	16.55 (15.42-17679.41)	8433.41 (7860.45-8971.08)	31 (29.12-32934.31)	8231.15 (7714.65-8729.32)	-0.1 (-0.12 to -0.08)
13						
14	High-income North America	26.23 (24.33-28067.57)	7750.33 (7175.26-8252.76)	43.98 (41.11-46803.08)	7982.58 (7433.75-8484.6)	0.03 (-0.02 to 0.08)
15						
16	Southern Latin America	2.85 (2.66-3038.14)	6199.61 (5786.14-6591)	5.72 (5.38-6077.58)	7174.32 (6750.95-7629.01)	0.54 (0.49 to 0.59)
17						
18	Western Europe	29.05 (27.04-30993.2)	5488.94 (5116.7-5832.82)	45.44 (42.65-48233.7)	5690.53 (5326.14-6020.93)	0.08 (0.06 to 0.1)
19						
20	Andean Latin America	1.76 (1.52-2061.21)	7004.76 (6076.38-8070.59)	5.32 (4.71-6069.48)	9101.2 (8067.32-10290.91)	0.93 (0.91 to 0.94)
21						
22	Caribbean	1.97 (1.84-2108.93)	6840.61 (6371.07-7299.12)	4.29 (4.03-4568.68)	8457.06 (7927.23-8994.33)	0.74 (0.7 to 0.78)
23						
24	Central Latin America	10.31 (9.55-11027.08)	9865 (9168.77-10521.68)	29.53 (27.68-31265.59)	12139.27 (11377.05-12843.88)	0.68 (0.64 to 0.71)
25						
26	Tropical Latin America	7.08 (6.58-7550.26)	6482.97 (6054.23-6886)	17.9 (16.76-18992.36)	7399.15 (6923.65-7835.63)	0.42 (0.39 to 0.45)
27						
28	North Africa and Middle East	15.77 (14.73-16764.82)	7697.07 (7182.72-8168.78)	49.8 (46.52-52818.54)	10589.67 (9930.4-11229.54)	1.17 (1.13 to 1.22)
29						
30	South Asia	60.22 (55.46-65289.02)	8186.89 (7582.95-8782.32)	139.51 (128.99-150327.5)	8847.66 (8206.45-9453.58)	0.11 (0.03 to 0.18)
31						
32	East Asia	82.94 (76.25-90185.75)	7989.69 (7377.2-8599.68)	156.84 (144.51-169062.38)	8180.65 (7568.21-8798.3)	0.29 (0.2 to 0.37)
33						
34	Oceania	0.36 (0.33-391.33)	8440.17 (7784.51-9111.81)	0.9 (0.82-974.96)	9296.4 (8596.13-9971.06)	0.3 (0.29 to 0.31)
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Southeast Asia	31.01 (28.51-33656.96)	9351.48 (8661.82-10057.66)	71.14 (65.94-76348.22)	10803.4 (10057.32-11534.34)	0.5 (0.49 to 0.52)
Central Sub-Saharan Africa	1.69 (1.55-1841.1)	5306.9 (4899.19-5732.96)	4.52 (4.16-4907.57)	5867.73 (5434.29-6284.81)	0.36 (0.32 to 0.39)
Eastern Sub-Saharan Africa	5.54 (5.12-5997.22)	5254.32 (4862.09-5638.51)	13.92 (12.84-15065.98)	5800.09 (5395.2-6210.24)	0.36 (0.33 to 0.38)
Southern Sub-Saharan Africa	2.3 (2.13-2464.83)	6633.49 (6172.65-7075.02)	5.02 (4.66-5366.22)	7769.91 (7260.61-8261.86)	0.53 (0.45 to 0.61)
Western Sub-Saharan Africa	6.64 (6.16-7139.44)	5768.63 (5363.39-6151.96)	17.67 (16.4-18953.01)	6678.91 (6225.96-7102.83)	0.56 (0.52 to 0.59)

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5 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Incidence cases (*10 <sup>6</sup> ) (95% UI)	ASIR per 100,000 population (95% UI)	Incidence cases (*10 <sup>6</sup> ) (95% UI)	ASIR per 100,000 population (95% UI)	EAPC of ASIR (95% CI)
Global	7.8 (7.17-8485.39)	192.45 (177.31-209.05)	18.99 (17.56-20518.16)	233.65 (216.56-252.31)	0.69 (0.68 to 0.7)
<b>Gender</b>					
Males	3.36 (3.09-3.65)	179.21 (164.8-194.74)	8.51 (7.84-9.23)	223.02 (206.07-241.18)	0.69 (0.68 to 0.7)
Females	4.44 (4.08-4.84)	203.64 (187.5-221.38)	10.47 (9.7-11.32)	243.63 (225.94-262.66)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	0.37 (0.34-398.17)	123.72 (114.25-133.97)	1.01 (0.93-1085.2)	161.24 (148.07-175.64)	0.95 (0.92 to 0.99)
Low-middle	1.05 (0.97-1139.39)	149.68 (137.38-162.87)	2.81 (2.58-3056.52)	197.07 (181.51-214.36)	0.91 (0.87 to 0.95)
Middle	1.95 (1.79-2127.2)	172.4 (157.74-188.79)	5.87 (5.4-6373.37)	235.71 (218.23-254.87)	1.17 (1.14 to 1.2)
High-middle	1.78 (1.63-1952.09)	168.37 (154.83-183.45)	4.13 (3.8-4493.35)	210.65 (194.34-228.37)	0.89 (0.86 to 0.92)
High	2.64 (2.41-2883.51)	252.66 (232.46-274.36)	5.15 (4.75-5569.87)	281.67 (260.21-303.81)	0.28 (0.24 to 0.32)
<b>21 GBD regions</b>					
Central Asia	0.07 (0.06-75.25)	123.99 (113.45-135.88)	0.16 (0.15-178.53)	193.3 (176.73-211.27)	1.69 (1.52 to 1.87)

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6	Central Europe	0.21 (0.19-229.95)	144.36 (131.43-158.87)	0.44 (0.4-481.17)	216.5 (197.99-236.75)	1.21 (1.12 to 1.3)
7						
8	Eastern Europe	0.34 (0.3-370.22)	130.48 (119.44-142.71)	0.54 (0.49-599.18)	181.85 (166.07-199.03)	1.32 (1.15 to 1.49)
9						
10	Australasia	0.06 (0.06-65.23)	254.5 (240.37-269.78)	0.14 (0.13-153.73)	286.14 (264.78-308.93)	0.37 (0.33 to 0.41)
11						
12	High-income Asia Pacific	0.53 (0.49-577.29)	265.13 (244.47-287.79)	1.21 (1.11-1315.46)	277.51 (255.67-300.82)	0.08 (0.04 to 0.13)
13						
14	High-income North America	1.04 (0.94-1140.52)	295.47 (270.34-323.33)	1.89 (1.73-2062.59)	310.44 (284.74-336.3)	0.03 (-0.05 to 0.12)
15						
16	Southern Latin America	0.1 (0.09-106.64)	211.66 (193.13-230.93)	0.23 (0.22-253.7)	282.02 (260.12-304.6)	1.02 (0.93 to 1.1)
17						
18	Western Europe	1.28 (1.16-1410.45)	216.75 (198.62-236.36)	2.16 (1.99-2344.51)	235.6 (216.93-254.91)	0.25 (0.2 to 0.3)
19						
20	Andean Latin America	0.04 (0.03-38.3)	154.8 (142.57-167.62)	0.16 (0.15-175.89)	288.34 (264.91-311.21)	2.2 (2.09 to 2.3)
21						
22	Caribbean	0.04 (0.04-48.74)	161.46 (148.31-176.22)	0.13 (0.12-141.71)	256.39 (237.73-277)	1.58 (1.48 to 1.68)
23						
24	Central Latin America	0.27 (0.25-292.01)	276.65 (252.64-304.54)	0.99 (0.93-1060.8)	409.61 (383.06-437.91)	1.29 (1.21 to 1.36)
25						
26	Tropical Latin America	0.19 (0.18-210.14)	191.28 (176.52-209.33)	0.6 (0.56-655.92)	250.85 (233.24-272.18)	0.89 (0.82 to 0.96)
27						
28	North Africa and Middle East	0.51 (0.47-550.25)	261.9 (240.97-285.91)	2.03 (1.88-2202.72)	447.48 (415.13-482.83)	1.97 (1.87 to 2.08)
29						
30	South Asia	1.01 (0.93-1104.53)	148.9 (136.4-162.57)	2.67 (2.43-2918.85)	181.87 (165.91-198.75)	0.61 (0.54 to 0.68)
31						
32	East Asia	1.33 (1.21-1465.64)	148.49 (135.05-163.27)	3.27 (2.98-3599.05)	164.52 (150.62-179.18)	0.61 (0.51 to 0.7)
33						
34	Oceania	0 (0-5.25)	122.53 (112.38-133.56)	0.01 (0.01-14.89)	158.68 (145.3-172.89)	0.79 (0.74 to 0.84)
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Southeast Asia	0.45 (0.42-491.19)	152.65 (140.55-165.93)	1.43 (1.31-1547.89)	227.98 (210.24-246.38)	1.4 (1.37 to 1.44)
Central Sub-Saharan Africa	0.03 (0.03-30.16)	93.07 (86.17-100.24)	0.08 (0.08-89.02)	125.99 (115.7-136.67)	1.11 (1.01 to 1.2)
Eastern Sub-Saharan Africa	0.09 (0.09-99.99)	94.39 (87.18-102.21)	0.24 (0.22-258.06)	119.54 (109.76-130.11)	0.86 (0.78 to 0.93)
Southern Sub-Saharan Africa	0.05 (0.05-57.56)	168.63 (154.1-184.7)	0.14 (0.13-149.6)	231.14 (212.43-251.73)	1.04 (0.85 to 1.23)
Western Sub-Saharan Africa	0.16 (0.15-168.99)	137.2 (126.96-148.29)	0.44 (0.41-470.76)	181.8 (167.29-197.54)	1.13 (1.01 to 1.24)

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5 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	EAPC of ASR-DALYs (95% CI)
Global	21.5 (20.04-23065.78)	484.46 (452.28-518.67)	41.54 (38.29-45037.86)	514.86 (474.91-558.86)	0.31 (0.23 to 0.38)
<b>Gender</b>					
Males	11.2 (10.4-12.15)	537.61 (499.52-580.01)	21.98 (20.14-23.97)	574.23 (527.52-625.27)	0.35 (0.27 to 0.43)
Females	10.3 (9.46-11.22)	443.69 (409.36-481.56)	19.56 (17.7-21.47)	463.61 (419.34-509.95)	0.21 (0.15 to 0.28)
<b>Sociodemographic index</b>					
Low	2.45 (2.18-2728.52)	734.23 (667.32-804.58)	4.73 (4.21-5276.93)	682.18 (615.56-752.04)	-0.24 (-0.28 to -0.21)
Low-middle	5.05 (4.56-5598.22)	649.9 (591.82-714.59)	9.91 (8.98-10820.22)	664.18 (603.21-723.92)	0.1 (0 to 0.21)
Middle	7.55 (7.02-8112.98)	601.87 (560.14-645.51)	15.44 (14.17-16837.37)	621.93 (570.74-676.64)	0.27 (0.21 to 0.33)
High-middle	3.89 (3.6-4213.22)	360.16 (332.75-390.43)	6.05 (5.49-6665.14)	320.68 (290.18-353.73)	-0.36 (-0.46 to -0.27)
High	2.54 (2.33-2787.23)	254.32 (232.26-279.43)	5.38 (4.87-5884.31)	304.13 (274.09-335.44)	0.8 (0.72 to 0.89)
<b>21 GBD regions</b>					
Central Asia	0.23 (0.22-256.33)	397.89 (367.64-442.65)	0.43 (0.39-481.73)	506.72 (456.51-562.2)	0.48 (0.16 to 0.79)

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6	Central Europe	0.41 (0.38-437.53)	297.3 (278.39-317.88)	0.46 (0.4-523.54)	243.84 (212.01-278.04)	-0.62 (-0.69 to -0.55)
7						
8	Eastern Europe	0.49 (0.45-547.25)	197 (177.48-218.85)	0.56 (0.49-638.34)	196.77 (170.51-224.02)	-0.51 (-0.73 to -0.28)
9						
10	Australasia	0.04 (0.04-48.98)	196.75 (180.03-215.38)	0.1 (0.09-115.71)	214.3 (191.2-238.39)	0.45 (0.4 to 0.5)
11						
12	High-income Asia Pacific	0.59 (0.55-642.57)	310.61 (285.7-334.9)	0.96 (0.84-1067.61)	218.58 (192.71-243.9)	-1.16 (-1.21 to -1.1)
13						
14	High-income North America	0.93 (0.85-1032.34)	273.54 (247.51-303.34)	2.42 (2.22-2641.09)	413.63 (379.73-450.68)	1.69 (1.51 to 1.88)
15						
16	Southern Latin America	0.23 (0.22-245.13)	501.82 (472.93-530.86)	0.44 (0.41-472.11)	540.08 (500.88-579.63)	0.25 (0.02 to 0.48)
17						
18	Western Europe	1.08 (0.99-1188.03)	197.18 (179.66-216.97)	1.75 (1.56-1921.1)	186.58 (166.88-208.38)	-0.04 (-0.09 to 0.02)
19						
20	Andean Latin America	0.18 (0.17-196.15)	680.42 (626.59-742.08)	0.48 (0.4-564.87)	836.34 (704.25-981.59)	0.84 (0.59 to 1.1)
21						
22	Caribbean	0.17 (0.16-189.99)	587 (541.65-647.03)	0.39 (0.34-454.01)	774.89 (668-896.08)	1.32 (1.22 to 1.42)
23						
24	Central Latin America	0.78 (0.72-840.29)	739.23 (689.04-794.6)	3.28 (2.92-3697.82)	1348.14 (1203.58-1521.61)	2.3 (2.01 to 2.59)
25						
26	Tropical Latin America	0.61 (0.58-650.99)	559.23 (528.14-592.5)	1.24 (1.15-1332.95)	513.36 (476.05-553.4)	-0.37 (-0.46 to -0.29)
27						
28	North Africa and Middle East	1.77 (1.62-1930.04)	834.93 (762.27-947.15)	3.38 (2.92-3897.91)	744.36 (646.14-851.75)	-0.37 (-0.43 to -0.31)
29						
30	South Asia	4.69 (4.05-5324.9)	647.1 (557.75-731.83)	9.89 (8.8-11052.83)	640.65 (568.76-715.48)	-0.06 (-0.24 to 0.11)
31						
32	East Asia	4.2 (3.73-4664.95)	416.47 (371.77-461.55)	6.21 (5.36-7049.94)	320.44 (277.88-362.19)	-0.58 (-0.68 to -0.48)
33						
34	Oceania	0.03 (0.02-32.15)	664.24 (581.19-758.07)	0.07 (0.06-83.48)	747.22 (629.25-880.16)	0.27 (0.09 to 0.44)
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Southeast Asia	2.7 (2.49-2945.17)	806.56 (741.95-875.79)	5.11 (4.61-5673.54)	796.69 (720.03-881.21)	-0.02 (-0.07 to 0.03)
Central Sub-Saharan Africa	0.26 (0.22-303.29)	769.07 (656.59-891.05)	0.46 (0.37-563.41)	635.98 (510.34-766.78)	-0.73 (-0.77 to -0.7)
Eastern Sub-Saharan Africa	0.84 (0.71-949.63)	752.43 (668.49-837.88)	1.4 (1.21-1581.03)	626.45 (557.9-698.14)	-0.73 (-0.77 to -0.69)
Southern Sub-Saharan Africa	0.22 (0.2-249.55)	636.93 (576.23-723.35)	0.5 (0.45-545.96)	803.81 (733.62-878.51)	0.94 (0.63 to 1.25)
Western Sub-Saharan Africa	1.03 (0.87-1218.24)	813.99 (702.78-957.03)	2.01 (1.67-2371.3)	738.79 (627.78-857.08)	-0.27 (-0.3 to -0.23)

**Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in 204 countries.**

location	Death cases in 1990 (*10 <sup>3</sup> )	ASDR in 1990 (per 100,000 population)	Death cases in 2019 (*10 <sup>3</sup> )	ASDR in 2019 (per 100,000 population)	EAPC of ASDR from 1990 to 2019
Afghanistan	3.71 (2.82-5.06)	55.94 (42.01-81.56)	5.64 (4.33-7.92)	49.37 (37.14-74.78)	-0.33 (-0.37 to -0.28)
Albania	0.24 (0.22-0.26)	11.53 (10.65-12.4)	0.33 (0.25-0.42)	8.24 (6.22-10.66)	-1.1 (-1.34 to -0.86)
Algeria	3.56 (2.74-4.96)	38.73 (30.35-52.07)	8.2 (6.35-10.89)	31.57 (24.78-41.16)	-0.5 (-0.67 to -0.33)
American Samoa	0.01 (0.01-0.01)	40.55 (34.26-46.31)	0.03 (0.02-0.03)	59.34 (51.03-69)	1.41 (1.28 to 1.55)
Andorra	0 (0-0.01)	11.21 (8.79-14.36)	0.02 (0.01-0.02)	9.86 (7.46-12.24)	-0.39 (-0.57 to -0.2)
Angola	1.06 (0.76-1.34)	27.03 (19.77-33.28)	2.46 (1.73-3.16)	24.77 (17.36-31.37)	-0.37 (-0.42 to -0.33)
Antigua and Barbuda	0.01 (0.01-0.02)	26.3 (23.81-28.66)	0.04 (0.03-0.04)	39.05 (33.55-45.31)	1.69 (1.48 to 1.91)
Argentina	7.13 (6.72-7.54)	23.49 (22.02-24.9)	15.66 (14.21-17.05)	28.36 (25.83-30.9)	0.57 (0.27 to 0.88)
Armenia	0.07 (0.06-0.07)	3.03 (2.76-3.3)	0.45 (0.38-0.52)	11.35 (9.53-13.22)	4.65 (4.33 to 4.97)
Australia	1.71 (1.56-1.83)	9.49 (8.57-10.15)	5.21 (4.29-5.89)	10.75 (9.03-12.08)	0.62 (0.51 to 0.74)

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5	Austria	0.74 (0.68-0.79)	6.13 (5.62-6.53)	3.37 (2.86-3.73)	14.87 (12.79-16.36)	4.46 (3.94 to 4.98)
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8	Azerbaijan	0.53 (0.47-0.59)	9.6 (8.55-10.9)	1.39 (1.16-1.63)	17.85 (14.56-20.65)	2.69 (2.23 to 3.16)
9						
10	Bahamas	0.04 (0.03-0.04)	24.48 (22.11-26.99)	0.11 (0.09-0.14)	30.35 (24.98-36.57)	1.14 (0.98 to 1.3)
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13	Bahrain	0.04 (0.04-0.05)	38.45 (31.97-46.81)	0.18 (0.14-0.22)	34.82 (27.94-42.19)	-0.09 (-0.63 to 0.45)
14						
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16	Bangladesh	7.7 (5.05-9.75)	13.66 (10.12-16.55)	12.78 (10.18-15.68)	10.9 (8.74-13.31)	-0.56 (-0.91 to -0.2)
17						
18	Barbados	0.05 (0.05-0.06)	18.45 (17.07-19.95)	0.12 (0.1-0.14)	25.66 (21.37-30.06)	1.14 (0.93 to 1.35)
19						
20						
21	Belarus	0.28 (0.26-0.29)	2.32 (2.15-2.46)	0.5 (0.4-0.62)	3.2 (2.57-3.97)	1.48 (0.93 to 2.04)
22						
23	Belgium	1.42 (1.3-1.53)	9.13 (8.31-9.81)	2.96 (2.5-3.34)	9.89 (8.49-11.03)	0.38 (0.28 to 0.48)
24						
25						
26	Belize	0.02 (0.02-0.02)	22.74 (20.41-25.07)	0.11 (0.1-0.13)	40.49 (35.02-46.66)	2.2 (1.72 to 2.69)
27						
28						
29	Benin	0.75 (0.64-0.87)	35.15 (30.27-40.77)	1.58 (1.19-2.06)	32.41 (25.19-40.64)	-0.15 (-0.23 to -0.07)
30						
31	Bermuda	0.01 (0.01-0.01)	16.94 (15.52-18.34)	0.02 (0.02-0.02)	14.55 (12.11-17.38)	-0.18 (-0.35 to -0.01)
32						
33						
34	Bhutan	0.06 (0.04-0.08)	22.36 (14.86-31.31)	0.15 (0.1-0.19)	28.1 (20.41-35.31)	0.86 (0.81 to 0.91)
35						
36	Bolivia (Plurinational State of)	1.23 (1.02-1.52)	39.15 (32.12-49.14)	4.42 (3.41-5.56)	55.89 (43.24-69.91)	1.3 (1.23 to 1.38)
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5	Bosnia and Herzegovina	0.34 (0.32-0.36)	9.3 (8.68-9.91)	0.66 (0.53-0.8)	11.56 (9.29-14.09)	0.8 (0.55 to 1.05)
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8	Botswana	0.14 (0.1-0.19)	27.26 (20.38-37.49)	0.44 (0.31-0.61)	37.05 (26.41-49.7)	0.64 (0.29 to 0.99)
9						
10	Brazil	16.25 (15.53-16.8)	19.48 (18.27-20.26)	42.34 (38.66-44.67)	18.6 (16.9-19.66)	-0.09 (-0.17 to -0.02)
11						
12						
13	Brunei Darussalam	0.03 (0.03-0.03)	36.65 (32.22-41.02)	0.08 (0.07-0.09)	37 (32.83-41.35)	0.74 (0.49 to 0.99)
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16	Bulgaria	0.75 (0.7-0.79)	6.89 (6.49-7.29)	1.95 (1.58-2.38)	14.23 (11.57-17.43)	2.68 (2.32 to 3.05)
17						
18	Burkina Faso	1.25 (1.03-1.48)	30.19 (25.23-35.72)	2.82 (2.28-3.4)	30.98 (25.71-36.7)	0.03 (-0.07 to 0.13)
19						
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21	Burundi	0.74 (0.58-0.94)	31.09 (24.22-39.09)	1.04 (0.81-1.33)	25.11 (19.84-31.23)	-1 (-1.1 to -0.9)
22						
23						
24	Cabo Verde	0.04 (0.03-0.04)	15.38 (13.65-18.09)	0.1 (0.09-0.12)	24.42 (21.5-27.42)	0.8 (0.48 to 1.12)
25						
26	Cambodia	1.17 (0.97-1.38)	23.11 (19.27-27.26)	2.19 (1.77-2.6)	19.77 (16.16-22.88)	-0.64 (-0.73 to -0.56)
27						
28						
29	Cameroon	1.93 (1.49-2.38)	46.32 (35.64-56.56)	4.78 (3.53-6.3)	42.01 (31.74-53.82)	-0.29 (-0.36 to -0.22)
30						
31	Canada	2.64 (2.38-2.83)	8.44 (7.58-9.05)	7.5 (6.43-8.41)	9.67 (8.4-10.78)	0.22 (0.1 to 0.34)
32						
33						
34	Central African Republic	0.36 (0.27-0.45)	31.47 (23.87-38.91)	0.65 (0.48-0.86)	31.44 (23.07-40.76)	0.05 (-0.07 to 0.16)
35						
36	Chad	0.92 (0.71-1.28)	31.71 (24.21-44.14)	1.82 (1.36-2.4)	31.47 (24.21-40.94)	0.04 (-0.05 to 0.14)
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Chile	1.35 (1.28-1.42)	15.12 (14.14-15.91)	5.04 (4.47-5.49)	21.2 (18.81-23.09)	1.54 (1.18 to 1.91)
China	98.61 (86.8-111.08)	12.98 (11.52-14.53)	196.73 (168.24-224.68)	11.23 (9.63-12.77)	-0.21 (-0.32 to -0.09)
Colombia	3.56 (3.35-3.74)	21.24 (19.51-22.52)	9.5 (7.33-11.97)	17.48 (13.59-22.1)	-0.65 (-0.81 to -0.5)
Comoros	0.06 (0.04-0.08)	28.88 (19.76-36.55)	0.12 (0.1-0.14)	26.32 (22.01-31.51)	-0.51 (-0.64 to -0.38)
Congo	0.37 (0.26-0.46)	36.99 (26.02-46.61)	0.7 (0.48-0.92)	31.9 (21.82-40.63)	-0.68 (-0.79 to -0.56)
Cook Islands	0 (0-0)	23.6 (19.81-27.56)	0.01 (0.01-0.01)	29.72 (24.86-35)	0.99 (0.9 to 1.07)
Costa Rica	0.26 (0.24-0.27)	14.97 (13.7-16.1)	1.37 (1.08-1.71)	26.61 (20.83-33.09)	1.89 (1.41 to 2.37)
Croatia	0.43 (0.39-0.46)	7.27 (6.69-7.85)	0.92 (0.74-1.14)	9.7 (7.84-11.9)	0.93 (0.56 to 1.3)
Cuba	0.82 (0.77-0.86)	7.98 (7.53-8.38)	2.73 (2.24-3.32)	14.43 (11.8-17.53)	2.61 (2.35 to 2.86)
Cyprus	0.18 (0.16-0.21)	33.7 (29.01-39.16)	0.33 (0.29-0.38)	20.62 (17.88-23.26)	-2.01 (-2.19 to -1.83)
Czechia	1.08 (1.03-1.13)	8.09 (7.7-8.44)	1.32 (1.07-1.56)	6 (4.88-7.14)	-0.94 (-1.08 to -0.8)
Democratic People's Republic of Korea	2.38 (1.86-2.97)	15.72 (12.48-19.16)	4.32 (3.51-5.28)	14.24 (11.58-17.26)	-0.28 (-0.41 to -0.14)
Democratic Republic of the Congo	4.42 (3.69-5.24)	30.47 (25.83-35.58)	8.03 (6.4-9.93)	24.79 (19.49-30.7)	-0.81 (-0.85 to -0.77)

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5	Denmark	0.37 (0.34-0.4)	4.43 (4.05-4.75)	1.13 (0.98-1.26)	8.8 (7.65-9.71)	2.37 (1.93 to 2.8)
6						
7						
8	Djibouti	0.03 (0.02-0.04)	23.64 (17.63-30.82)	0.14 (0.1-0.18)	28.41 (22.57-36.87)	0.58 (0.48 to 0.68)
9						
10	Dominica	0.03 (0.02-0.03)	35.66 (32.01-39.51)	0.04 (0.04-0.05)	48.01 (39.68-57.88)	1.35 (1.23 to 1.47)
11						
12						
13	Dominican Republic	0.58 (0.52-0.65)	15.07 (13.33-16.88)	2.28 (1.69-3.04)	24.98 (18.71-33.09)	2.79 (2.47 to 3.12)
14						
15	Ecuador	1.09 (1.02-1.15)	20.77 (19.27-22.14)	6.91 (5.55-8.62)	50.48 (40.61-62.49)	3.43 (2.76 to 4.11)
16						
17						
18	Egypt	9.72 (6.8-11.83)	39.39 (27.32-49.32)	21.98 (12.86-31.56)	43.93 (26.96-61.79)	0.54 (0.44 to 0.64)
19						
20						
21	El Salvador	0.62 (0.58-0.67)	20.12 (18.68-21.65)	4.08 (3.09-5.23)	67.31 (50.85-86.63)	4.43 (3.7 to 5.16)
22						
23	Equatorial Guinea	0.06 (0.04-0.07)	29.32 (21.77-37.03)	0.14 (0.1-0.19)	32.78 (23.73-43.75)	0.54 (0.39 to 0.69)
24						
25						
26	Eritrea	0.25 (0.17-0.34)	24.73 (15.94-35.35)	0.66 (0.45-0.92)	27.87 (19.48-38.08)	0.3 (0.14 to 0.46)
27						
28						
29	Estonia	0.05 (0.05-0.06)	2.72 (2.52-2.94)	0.35 (0.28-0.43)	11.33 (9.07-13.93)	5.36 (4.91 to 5.81)
30						
31	Eswatini	0.1 (0.08-0.13)	37.13 (29.77-45.05)	0.27 (0.19-0.36)	51.29 (37.88-66.11)	1.28 (0.67 to 1.89)
32						
33						
34	Ethiopia	7.86 (6.41-9.38)	39.59 (32.49-46.12)	9.86 (8.58-11.29)	26.17 (22.48-30.08)	-1.62 (-1.7 to -1.55)
35						
36	Fiji	0.12 (0.09-0.14)	34.34 (28.19-43.41)	0.29 (0.23-0.37)	46.74 (37.81-57.1)	0.55 (0.17 to 0.93)
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5	Finland	0.21 (0.2-0.23)	3.08 (2.8-3.3)	0.71 (0.59-0.79)	4.69 (4.01-5.26)	2.13 (1.9 to 2.37)
6						
7						
8	France	7.12 (6.35-7.72)	7.99 (7.12-8.64)	12.7 (10.29-14.62)	6.59 (5.48-7.46)	-0.39 (-0.52 to -0.26)
9						
10	Gabon	0.18 (0.13-0.23)	35.51 (25.47-44.37)	0.37 (0.23-0.48)	41.2 (25.46-53.69)	0.46 (0.25 to 0.67)
11						
12						
13	Gambia	0.11 (0.08-0.14)	31.8 (25.23-39.71)	0.31 (0.24-0.39)	33.3 (27.05-40.97)	0.1 (-0.01 to 0.22)
14						
15	Georgia	0.35 (0.31-0.39)	6.2 (5.54-6.88)	0.71 (0.59-0.82)	11.89 (9.98-13.83)	3.59 (2.83 to 4.35)
16						
17						
18	Germany	9.35 (8.69-9.9)	7.04 (6.55-7.43)	35.22 (30.38-39.03)	14.7 (12.69-16.19)	3.54 (3.2 to 3.89)
19						
20						
21	Ghana	1.66 (1.25-2.22)	27.97 (21.27-36.97)	4.68 (3.38-5.96)	31.79 (23.14-39.85)	0.55 (0.44 to 0.66)
22						
23	Greece	2.95 (2.71-3.17)	20.63 (18.81-22.08)	4.6 (4.02-5.09)	14.96 (13.36-16.41)	-1.62 (-2.08 to -1.16)
24						
25						
26	Greenland	0 (0-0)	13.2 (11.48-15.22)	0.01 (0.01-0.01)	13.87 (11.51-16.31)	0.22 (0.11 to 0.34)
27						
28						
29	Grenada	0.03 (0.02-0.03)	34.89 (31.52-38.34)	0.05 (0.04-0.06)	47.49 (41.83-52.74)	1.47 (1.3 to 1.64)
30						
31	Guam	0.01 (0.01-0.02)	24.88 (21.94-27.8)	0.06 (0.05-0.07)	29.97 (25.2-35.61)	0.9 (0.61 to 1.19)
32						
33						
34	Guatemala	1.14 (1.02-1.27)	32.23 (28.9-35.79)	6.02 (4.81-7.5)	57.06 (46.4-70.3)	2.65 (2.29 to 3.01)
35						
36	Guinea	1.25 (1.01-1.59)	37.28 (30.01-47.69)	1.93 (1.51-2.42)	34.24 (27.19-42.48)	-0.1 (-0.17 to -0.02)
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5	Guinea-Bissau	0.21 (0.17-0.27)	50.78 (40.95-61.44)	0.29 (0.23-0.36)	40.52 (32.1-49.72)	-0.74 (-0.78 to -0.7)
6						
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8	Guyana	0.11 (0.1-0.13)	29.17 (25.4-33.04)	0.28 (0.22-0.36)	47.17 (37.07-58.98)	2.38 (2.15 to 2.61)
9						
10	Haiti	1.18 (0.91-1.64)	34.39 (26-50.81)	2.37 (1.67-3.61)	34.33 (24.49-52.97)	0.32 (0.18 to 0.47)
11						
12						
13	Honduras	0.56 (0.45-0.78)	26.05 (20.21-38.44)	3.16 (2.57-4.03)	55.87 (45.6-71.19)	3.09 (2.81 to 3.37)
14						
15	Hungary	0.78 (0.74-0.82)	5.84 (5.51-6.11)	1.82 (1.52-2.17)	8.92 (7.43-10.6)	2.57 (2.18 to 2.97)
16						
17						
18	Iceland	0.01 (0.01-0.01)	4.19 (3.74-4.58)	0.03 (0.03-0.04)	4.98 (4.14-5.69)	0.89 (0.75 to 1.03)
19						
20						
21	India	92.81 (79.36-104.72)	22.76 (19.35-25.79)	222.92 (191.55-258.59)	20.92 (17.98-24.08)	-0.55 (-0.77 to -0.33)
22						
23	Indonesia	22.38 (20.04-24.93)	21.08 (18.79-23.69)	42.13 (35.88-48.3)	20.95 (17.92-23.36)	0 (-0.13 to 0.12)
24						
25						
26	Iran (Islamic Republic of)	5.27 (4.82-5.77)	24.11 (21.79-28.8)	12.55 (11.38-13.41)	19.77 (17.77-21.21)	-0.89 (-0.98 to -0.79)
27						
28						
29	Iraq	3.46 (2.82-4.48)	46.27 (37.12-61.87)	7.89 (6.16-10.08)	41.86 (33.19-53.49)	-0.42 (-0.48 to -0.35)
30						
31	Ireland	0.42 (0.39-0.44)	10.95 (10.02-11.65)	0.7 (0.59-0.79)	8.89 (7.57-9.94)	-0.71 (-0.79 to -0.64)
32						
33						
34	Israel	0.96 (0.88-1.02)	21.9 (19.96-23.41)	2.76 (2.37-3.06)	21.48 (18.66-23.71)	0.28 (-0.04 to 0.6)
35						
36	Italy	8.39 (7.89-8.68)	9.78 (9.09-10.16)	16.51 (13.88-18.05)	8.6 (7.37-9.33)	-0.17 (-0.31 to -0.04)
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5	Ivory Coast	1.57 (1.27-1.87)	40.34 (33.8-47.23)	3.43 (2.59-4.33)	34.73 (28.03-42.22)	-0.61 (-0.73 to -0.49)
6						
7						
8	Jamaica	0.43 (0.39-0.46)	23.34 (21.34-24.93)	0.94 (0.76-1.15)	30.23 (24.24-37.39)	0.3 (-0.21 to 0.82)
9						
10	Japan	19.48 (17.92-20.33)	12.85 (11.7-13.48)	45.32 (35.35-51.15)	8.87 (7.24-9.83)	-1.44 (-1.54 to -1.34)
11						
12						
13	Jordan	0.44 (0.37-0.51)	40.92 (34.47-48.38)	1.81 (1.52-2.15)	36.65 (30.74-43.21)	-0.28 (-0.4 to -0.15)
14						
15						
16	Kazakhstan	0.97 (0.91-1.05)	7.34 (6.89-7.89)	1.87 (1.64-2.13)	11.79 (10.31-13.3)	1.12 (0.79 to 1.45)
17						
18	Kenya	1.62 (1.36-1.94)	20.91 (17.39-25.31)	4.76 (3.99-5.64)	25.35 (21.47-29.6)	0.75 (0.67 to 0.82)
19						
20						
21	Kiribati	0.02 (0.01-0.02)	44.1 (36.16-52.87)	0.04 (0.03-0.05)	56.87 (43.53-72.81)	0.6 (0.19 to 1.02)
22						
23						
24	Kuwait	0.14 (0.12-0.15)	27.67 (23.81-30.52)	0.32 (0.27-0.39)	16.18 (13.28-19.5)	-2.21 (-2.93 to -1.48)
25						
26	Kyrgyzstan	0.43 (0.39-0.47)	12.46 (11.34-13.65)	0.49 (0.42-0.56)	9.8 (8.54-11.16)	-1.37 (-1.82 to -0.93)
27						
28						
29	Lao People's Democratic Republic	1.08 (0.85-1.35)	50.84 (39.68-64.92)	1.71 (1.31-2.18)	41.81 (32.97-51.98)	-0.85 (-0.92 to -0.78)
30						
31	Latvia	0.08 (0.07-0.08)	2.33 (2.17-2.5)	0.26 (0.22-0.32)	6.22 (5.25-7.5)	4.52 (4 to 5.05)
32						
33						
34	Lebanon	0.62 (0.52-0.75)	32.44 (27.01-39.57)	1.18 (0.85-1.53)	23.32 (16.78-30.26)	-1.11 (-1.25 to -0.97)
35						
36	Lesotho	0.22 (0.18-0.28)	24.49 (20.02-29.91)	0.56 (0.4-0.73)	49.32 (35.95-62.73)	3.04 (2.73 to 3.35)
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5	Liberia	0.45 (0.37-0.55)	41.82 (35.14-51.43)	0.65 (0.47-0.9)	33.14 (25.24-45.08)	-0.58 (-0.85 to -0.32)
6						
7						
8	Libya	0.52 (0.4-0.66)	29.75 (22.44-39.08)	1.37 (0.92-1.86)	30.37 (20.49-41.27)	0.33 (0.15 to 0.5)
9						
10	Lithuania	0.12 (0.11-0.12)	2.66 (2.46-2.84)	0.26 (0.22-0.31)	4.37 (3.64-5.24)	1.2 (0.62 to 1.78)
11						
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13	Luxembourg	0.05 (0.05-0.06)	10.12 (9.11-10.94)	0.12 (0.1-0.14)	10.19 (8.48-11.88)	0.23 (0.02 to 0.44)
14						
15	Madagascar	1.2 (0.94-1.49)	22.91 (17.82-29.06)	1.94 (1.49-2.54)	20.34 (15.74-26.54)	-0.49 (-0.56 to -0.42)
16						
17						
18	Malawi	1.04 (0.83-1.21)	27.48 (23.76-31.57)	1.78 (1.46-2.15)	26.24 (21.93-31.13)	-0.28 (-0.42 to -0.14)
19						
20						
21	Malaysia	2.18 (2.01-2.37)	24.78 (22.57-27.13)	6.11 (4.87-7.45)	25.56 (20.44-31)	-0.47 (-0.73 to -0.22)
22						
23	Maldives	0.04 (0.04-0.05)	57.41 (49.94-68.83)	0.09 (0.07-0.1)	33.8 (27.82-39.77)	-2.22 (-2.46 to -1.97)
24						
25						
26	Mali	1.52 (1.21-1.91)	37.05 (29.91-46.42)	2.7 (2.07-3.46)	31.19 (25-38.82)	-0.45 (-0.61 to -0.29)
27						
28	Malta	0.05 (0.05-0.06)	13.49 (12.13-14.67)	0.11 (0.09-0.12)	10.34 (8.85-11.81)	-0.93 (-1.14 to -0.72)
29						
30						
31	Marshall Islands	0.01 (0.01-0.01)	39.58 (31.44-51.85)	0.02 (0.01-0.02)	53.39 (39.7-72.05)	1.04 (0.78 to 1.3)
32						
33						
34	Mauritania	0.45 (0.38-0.53)	47.02 (39-55.12)	0.59 (0.44-0.76)	30.91 (23.68-38.57)	-1.45 (-1.52 to -1.37)
35						
36	Mauritius	0.31 (0.29-0.33)	44.68 (41.91-47.57)	1.26 (1.03-1.53)	75.03 (61.8-90.76)	2.09 (1.74 to 2.45)
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5	Mexico	12.18 (11.63-12.52)	30.65 (28.76-31.74)	72.54 (62.59-82.5)	63.67 (55.02-72.25)	2.85 (2.43 to 3.27)
6						
7						
8	Micronesia (Federated States of)	0.02 (0.02-0.03)	49.5 (39.15-64.24)	0.05 (0.03-0.06)	77.21 (57.56-97.54)	1.45 (1.05 to 1.84)
9						
10	Monaco	0 (0-0)	4.16 (3.41-4.99)	0.01 (0.01-0.01)	6.28 (5.16-7.39)	1.83 (1.41 to 2.26)
11						
12						
13	Mongolia	0.39 (0.33-0.46)	35.49 (30.53-41)	0.39 (0.31-0.5)	17.81 (14.41-22.12)	-3.6 (-4.07 to -3.12)
14						
15	Montenegro	0.07 (0.07-0.08)	12.43 (11.17-13.87)	0.13 (0.11-0.15)	13.82 (11.6-16.13)	0.55 (0.38 to 0.72)
16						
17						
18	Morocco	3.55 (3.03-4.63)	29.43 (24.56-41.35)	9.32 (7.16-11.84)	35.84 (27.87-46.25)	0.76 (0.62 to 0.89)
19						
20	Mozambique	1.24 (1.02-1.52)	22.84 (18.92-28.33)	2.64 (2.08-3.28)	25.87 (21.06-32.1)	0.5 (0.37 to 0.63)
21						
22						
23	Myanmar	7.64 (5.94-9.5)	30.76 (24.01-38.16)	11.55 (9.73-13.96)	26.84 (23.21-32.3)	-0.53 (-0.65 to -0.41)
24						
25						
26	Namibia	0.18 (0.13-0.24)	27.85 (20.88-37.4)	0.35 (0.25-0.49)	27.4 (20-38.41)	-0.39 (-0.75 to -0.02)
27						
28	Nauru	0 (0-0)	49.17 (38.1-60.09)	0 (0-0)	66.61 (49.13-82.46)	0.93 (0.61 to 1.25)
29						
30						
31	Nepal	1.73 (1.27-2.25)	18.15 (13.34-24.47)	5.11 (3.58-6.71)	25.06 (17.71-32.79)	1.23 (0.94 to 1.53)
32						
33						
34	Netherlands	1.68 (1.48-1.82)	8.42 (7.37-9.15)	3.78 (3.23-4.22)	9.8 (8.42-10.92)	0.67 (0.59 to 0.75)
35						
36	New Zealand	0.31 (0.28-0.33)	8.26 (7.56-8.83)	0.91 (0.79-1)	10.82 (9.52-11.82)	1.04 (0.82 to 1.27)
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5	Nicaragua	0.61 (0.57-0.65)	37.62 (34.76-40.75)	3.48 (2.87-4.09)	83.24 (69.57-96.75)	3.14 (2.79 to 3.49)
6						
7						
8	Niger	1.07 (0.84-1.35)	35.2 (27.55-44.12)	2.2 (1.61-2.91)	28.69 (22.39-36.04)	-0.66 (-0.73 to -0.6)
9						
10	Nigeria	11.66 (9.42-14.85)	27.69 (22.51-35.07)	20.04 (15.89-25.09)	24.84 (20.27-30.37)	-0.3 (-0.36 to -0.23)
11						
12						
13	Niue	0 (0-0)	35.72 (28.03-44.02)	0 (0-0)	47.39 (34.47-59.33)	0.85 (0.59 to 1.12)
14						
15	North Macedonia	0.19 (0.18-0.22)	11.25 (10.27-12.72)	0.36 (0.29-0.45)	12.72 (10.34-15.66)	0.3 (0.07 to 0.54)
16						
17						
18	Northern Mariana Islands	0.01 (0.01-0.01)	45.65 (39.08-54.81)	0.02 (0.02-0.03)	56.84 (48.66-65.02)	0.95 (0.85 to 1.06)
19						
20						
21	Norway	0.34 (0.31-0.36)	4.55 (4.2-4.77)	0.78 (0.67-0.84)	6.69 (5.84-7.25)	1.49 (1.18 to 1.8)
22						
23						
24	Oman	0.08 (0.06-0.11)	16.82 (12.93-22.29)	0.2 (0.17-0.23)	19.85 (17.05-22.82)	0.98 (0.78 to 1.17)
25						
26	Pakistan	15.21 (11.34-20.54)	26.34 (19.51-35.91)	44.39 (32.45-56.53)	39.88 (29.74-50.88)	1.43 (1.17 to 1.7)
27						
28						
29	Palau	0.01 (0-0.01)	54.63 (45.05-68.31)	0.01 (0.01-0.02)	69.74 (56.33-84.64)	0.79 (0.59 to 1)
30						
31	Palestine	0.39 (0.31-0.48)	46.81 (37.83-57.37)	0.65 (0.55-0.75)	33.58 (28.52-38.58)	-0.86 (-1.11 to -0.6)
32						
33						
34	Panama	0.22 (0.2-0.24)	14.61 (13.34-15.73)	1.15 (0.9-1.46)	27.39 (21.28-34.63)	2.25 (1.89 to 2.61)
35						
36	Papua New Guinea	0.25 (0.2-0.31)	12.19 (9.8-14.71)	0.74 (0.56-0.95)	14.36 (11.09-17.95)	0.51 (0.36 to 0.65)
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Paraguay	0.34 (0.3-0.37)	15.41 (13.63-17.13)	1.88 (1.46-2.4)	34.76 (27.05-44.15)	3.48 (3.24 to 3.71)
Peru	2.92 (2.59-3.3)	24.09 (21.15-27.33)	8.04 (5.92-10.44)	24.72 (18.22-32.03)	0.19 (-0.04 to 0.42)
Philippines	10.41 (9.42-11.48)	38.22 (34.49-42.3)	33.36 (27.88-39.55)	44.7 (37.65-52.35)	0.92 (0.66 to 1.18)
Poland	4.41 (4.25-4.53)	10.66 (10.2-10.95)	4.7 (3.97-5.59)	6.5 (5.49-7.73)	-1.96 (-2.39 to -1.53)
Portugal	1.58 (1.49-1.67)	12.57 (11.77-13.3)	4.07 (3.45-4.51)	13.48 (11.55-14.86)	0.38 (-0.07 to 0.84)
Puerto Rico	0.99 (0.93-1.05)	28.44 (26.47-30.11)	2.06 (1.6-2.59)	26.89 (21.12-34.09)	0.4 (0.08 to 0.72)
Qatar	0.03 (0.02-0.04)	48.93 (38.41-84.35)	0.13 (0.1-0.17)	45.88 (37.09-55.98)	0.07 (-0.19 to 0.33)
Republic of Korea	3.12 (2.97-3.33)	12.08 (11.28-12.97)	7.98 (6.93-8.86)	9.56 (8.27-10.64)	-0.56 (-0.65 to -0.47)
Republic of Moldova	0.1 (0.09-0.11)	2.87 (2.67-3.05)	0.25 (0.21-0.28)	4.46 (3.88-5.03)	1.53 (1.2 to 1.85)
Romania	2.59 (2.47-2.69)	10.43 (9.94-10.84)	3.04 (2.55-3.61)	7.98 (6.68-9.46)	-0.52 (-1.04 to 0)
Russian Federation	9.02 (8.79-9.32)	5.47 (5.29-5.63)	11.65 (10.16-13.13)	5.17 (4.52-5.82)	-0.89 (-1.21 to -0.57)
Rwanda	0.93 (0.76-1.1)	32.51 (27.17-38.51)	1.27 (0.99-1.56)	24.68 (19.41-29.96)	-1.65 (-1.93 to -1.37)
Saint Kitts and Nevis	0.02 (0.02-0.02)	48.81 (44.79-53.28)	0.03 (0.03-0.04)	53.07 (44.4-61.71)	0.73 (0.55 to 0.91)

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5	Saint Lucia	0.03 (0.02-0.03)	31.56 (29.14-33.94)	0.07 (0.06-0.08)	34.59 (28.97-40.83)	0.39 (0.16 to 0.62)
6						
7						
8	Saint Vincent and the Grenadines	0.02 (0.02-0.02)	25.51 (23.01-27.92)	0.05 (0.04-0.05)	36.54 (31.68-42.06)	1.55 (1.32 to 1.78)
9						
10	Samoa	0.03 (0.02-0.04)	37.95 (30.01-47.78)	0.06 (0.05-0.08)	44.6 (36.37-54.81)	0.47 (0.26 to 0.68)
11						
12						
13	San Marino	0 (0-0)	4.05 (3.41-4.74)	0 (0-0.01)	5.09 (3.52-6.82)	1.51 (1.24 to 1.77)
14						
15	Sao Tome and Principe	0.03 (0.02-0.03)	43.51 (36.27-49.57)	0.05 (0.04-0.06)	51.3 (40.4-59.87)	0.48 (0.36 to 0.6)
16						
17						
18	Saudi Arabia	2.48 (1.93-3.1)	47.9 (37.69-59.35)	6.93 (5.45-8.55)	52.88 (42.82-63.11)	0.58 (0.35 to 0.81)
19						
20						
21	Senegal	1.33 (1.04-1.71)	41.68 (33.28-53.19)	2.45 (1.89-3.22)	34.93 (27.7-45.06)	-0.54 (-0.67 to -0.42)
22						
23	Serbia	1.42 (1.28-1.67)	14 (12.58-16.3)	2.52 (2.05-3)	16.34 (13.34-19.38)	0.83 (0.66 to 1)
24						
25						
26	Seychelles	0.02 (0.01-0.02)	29.87 (26.45-33.1)	0.04 (0.04-0.05)	44.43 (38.76-49.83)	0.9 (0.52 to 1.29)
27						
28	Sierra Leone	0.64 (0.51-0.79)	32.65 (26.08-39.62)	1.04 (0.79-1.33)	28.55 (22.85-35.84)	-0.28 (-0.36 to -0.2)
29						
30						
31	Singapore	0.31 (0.29-0.33)	15.54 (14.57-16.4)	0.76 (0.66-0.83)	10.51 (9.09-11.55)	-0.38 (-0.94 to 0.18)
32						
33						
34	Slovakia	0.69 (0.64-0.74)	11.86 (11.06-12.74)	0.76 (0.6-0.93)	8.42 (6.73-10.33)	-1.05 (-1.13 to -0.96)
35						
36	Slovenia	0.15 (0.12-0.19)	6.5 (5.14-8.02)	0.26 (0.2-0.33)	4.99 (3.91-6.36)	-0.16 (-0.44 to 0.13)
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5	Solomon Islands	0.07 (0.05-0.09)	41.92 (31.97-57.06)	0.09 (0.07-0.11)	25.15 (20.72-29.99)	-1.94 (-2.35 to -1.53)
6						
7						
8	Somalia	0.76 (0.57-0.96)	31.28 (23.57-39.61)	1.88 (1.43-2.5)	29.63 (22.61-39.38)	-0.06 (-0.11 to -0.01)
9						
10	South Africa	4.61 (4.25-5.07)	22 (20.07-24.29)	12.35 (11.41-13.22)	31.02 (28.44-33.22)	1.29 (0.9 to 1.68)
11						
12						
13	South Sudan	0.65 (0.48-0.83)	27.62 (20.27-35.67)	0.93 (0.69-1.25)	27.22 (20.38-35.97)	-0.06 (-0.09 to -0.02)
14						
15						
16	Spain	7.68 (6.91-8.29)	14.79 (13.28-15.99)	14.65 (12.08-16.74)	11.06 (9.33-12.49)	-0.87 (-0.94 to -0.8)
17						
18	Sri Lanka	2.49 (2.21-2.74)	25.27 (22.31-27.99)	5.56 (4.15-7.26)	24.09 (18.08-31.21)	-0.11 (-0.51 to 0.28)
19						
20						
21	Sudan	2.61 (2.06-3.46)	28.53 (22.13-40.32)	4.75 (3.37-7.17)	28.39 (20.33-44.3)	0.05 (-0.04 to 0.14)
22						
23	Suriname	0.07 (0.07-0.08)	28.55 (25.56-30.97)	0.26 (0.22-0.31)	45.34 (37.97-53.46)	1.67 (1.38 to 1.96)
24						
25						
26	Sweden	0.65 (0.59-0.69)	3.93 (3.59-4.17)	2 (1.68-2.21)	7.5 (6.43-8.23)	2.55 (2.42 to 2.67)
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29	Switzerland	0.61 (0.54-0.66)	5.43 (4.84-5.87)	2.22 (1.82-2.52)	9.49 (7.91-10.75)	2.76 (2.5 to 3.03)
30						
31	Syrian Arab Republic	1.95 (1.61-2.37)	36.99 (30.44-46.13)	2.66 (2.07-3.42)	27.78 (22.07-34.58)	-1.65 (-1.95 to -1.34)
32						
33						
34	Taiwan (Province of China)	3.33 (3.14-3.53)	26.1 (24.33-27.84)	8.25 (6.51-10.33)	20.47 (16.14-25.73)	-0.94 (-1.1 to -0.79)
35						
36	Tajikistan	0.1 (0.1-0.11)	3.18 (2.94-3.47)	0.4 (0.33-0.49)	9.4 (7.8-11.25)	4.07 (3.7 to 4.45)
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5	Thailand	9.77 (8.63-11.15)	29.2 (25.83-33.3)	27.45 (21.01-35.47)	27.94 (21.36-35.99)	-0.38 (-0.48 to -0.28)
6						
7						
8	Timor-Leste	0.09 (0.07-0.12)	31.54 (24.73-42.46)	0.23 (0.17-0.3)	31.3 (24.09-39.75)	-0.04 (-0.24 to 0.15)
9						
10	Togo	0.43 (0.35-0.54)	34.23 (28.17-42.73)	1 (0.79-1.27)	30.2 (24.51-37.23)	-0.43 (-0.47 to -0.39)
11						
12						
13	Tokelau	0 (0-0)	32.9 (25.7-42.75)	0 (0-0)	40.42 (31.37-54.02)	0.67 (0.44 to 0.9)
14						
15	Tonga	0.01 (0.01-0.02)	28.56 (23.31-37.54)	0.03 (0.03-0.04)	41.51 (33.11-54.56)	1.25 (0.87 to 1.63)
16						
17						
18	Trinidad and Tobago	0.18 (0.16-0.19)	21.8 (20.39-23.17)	0.62 (0.46-0.8)	34.37 (25.88-44.38)	2 (1.76 to 2.25)
19						
20						
21	Tunisia	1.03 (0.88-1.23)	24.28 (20.58-29.37)	2.63 (1.88-3.49)	23.62 (16.87-31.07)	-0.12 (-0.16 to -0.09)
22						
23	Turkey	11.61 (9.54-15.85)	35.19 (28.26-50.25)	19.19 (15.49-23.48)	23.48 (18.99-28.71)	-1.28 (-1.59 to -0.97)
24						
25						
26	Turkmenistan	0.31 (0.29-0.33)	13.45 (12.55-14.37)	0.71 (0.58-0.9)	17.38 (14.16-21.64)	0.34 (0.03 to 0.65)
27						
28	Tuvalu	0 (0-0)	38.58 (30.62-49.14)	0 (0-0.01)	48.67 (35.96-66.59)	0.78 (0.56 to 0.99)
29						
30						
31	Uganda	1.55 (1.2-1.94)	25.22 (19.55-31.82)	3.39 (2.62-4.26)	25.81 (20.58-31.71)	-0.19 (-0.32 to -0.05)
32						
33						
34	Ukraine	1.41 (1.34-1.47)	2.29 (2.15-2.39)	2.66 (2.28-3.07)	3.86 (3.31-4.47)	2.18 (1.89 to 2.47)
35						
36	United Arab Emirates	0.21 (0.16-0.26)	61.23 (37.47-75.7)	1.43 (0.91-2.26)	48.09 (29.07-73.62)	-0.82 (-1.4 to -0.24)
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United Kingdom	4.97 (4.64-5.15)	5.41 (5.03-5.63)	7.78 (6.85-8.33)	5.29 (4.7-5.64)	0.38 (0.12 to 0.64)
United Republic of Tanzania	2.75 (2.31-3.27)	26.7 (22.58-32.2)	6.23 (5.26-7.36)	27.3 (23.17-31.68)	0.13 (0.05 to 0.2)
United States of America	33.1 (30.49-34.45)	9.94 (9.18-10.34)	106.95 (95.86-114.38)	17.77 (16.12-18.91)	2.43 (2.22 to 2.63)
United States Virgin Islands	0.02 (0.01-0.02)	21.34 (18.16-24.86)	0.05 (0.04-0.06)	30.18 (25.88-34.3)	1.76 (1.53 to 1.99)
Uruguay	0.51 (0.47-0.54)	13.21 (12.24-14.02)	0.99 (0.87-1.09)	15.9 (14.15-17.4)	0.94 (0.8 to 1.09)
Uzbekistan	1.89 (1.64-2.52)	14.76 (12.61-20.49)	3.97 (3.33-4.67)	19.85 (17.05-22.89)	0.69 (-0.1 to 1.5)
Vanuatu	0.02 (0.01-0.02)	26.09 (18.67-35.84)	0.07 (0.05-0.09)	43.38 (32.55-57.97)	1.91 (1.78 to 2.04)
Venezuela (Bolivarian Republic of)	1.55 (1.46-1.64)	16.19 (15.07-17.25)	10.41 (7.89-13.43)	36.77 (27.88-47.38)	2.43 (1.94 to 2.92)
Viet Nam	11.03 (8.95-13.56)	29.05 (23.77-35.4)	21.48 (16.68-25.81)	26.62 (20.89-31.76)	-0.38 (-0.85 to 0.09)
Yemen	1.15 (0.86-1.54)	24.8 (18.61-34.23)	2.68 (2.05-3.54)	23.19 (18.02-30.53)	-0.26 (-0.33 to -0.18)
Zambia	0.95 (0.81-1.11)	32.83 (27.31-38.79)	1.93 (1.55-2.4)	30.81 (25.1-37.46)	-0.48 (-0.66 to -0.3)
Zimbabwe	0.92 (0.7-1.36)	25.95 (20.13-37.57)	2.29 (1.66-3.38)	37.07 (27.36-55.38)	1.55 (1.21 to 1.89)

**Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic regions from 1990 to 2019 in 21 regions.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Andean Latin America	1990	0.942869	0.890741
Andean Latin America	1991	0.989165	0.932389
Andean Latin America	1992	1.02563	0.967065
Andean Latin America	1993	1.016962	0.958297
Andean Latin America	1994	1.061313	1.001181
Andean Latin America	1995	1.077537	1.019983
Andean Latin America	1996	1.032404	0.980159
Andean Latin America	1997	1.030348	0.978622
Andean Latin America	1998	1.022574	0.969425
Andean Latin America	1999	0.992515	0.940177

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Andean Latin America	2000	0.997206	0.943015
Andean Latin America	2001	0.947616	0.894712
Andean Latin America	2002	0.990555	0.931385
Andean Latin America	2003	1.019051	0.956351
Andean Latin America	2004	0.985019	0.922183
Andean Latin America	2005	0.978694	0.912562
Andean Latin America	2006	0.961884	0.892727
Andean Latin America	2007	0.945709	0.874394
Andean Latin America	2008	0.952065	0.876611
Andean Latin America	2009	0.97062	0.890118
Andean Latin America	2010	0.975539	0.890804
Andean Latin America	2011	0.970379	0.882799
Andean Latin America	2012	1.010809	0.91578

Andean Latin America	2013	1.013769	0.915689
Andean Latin America	2014	1.008176	0.908392
Andean Latin America	2015	1.003827	0.902681
Andean Latin America	2016	1.013695	0.90961
Andean Latin America	2017	1.021095	0.915073
Andean Latin America	2018	1.028281	0.920944
Andean Latin America	2019	1.042441	0.933531
Australasia	1990	1.256436	0.749952
Australasia	1991	1.251345	0.749596
Australasia	1992	1.221065	0.731598
Australasia	1993	1.197424	0.715706
Australasia	1994	1.184041	0.705074
Australasia	1995	1.189314	0.708414

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Australasia	1996	1.171815	0.699034
Australasia	1997	1.154972	0.694376
Australasia	1998	1.125176	0.679026
Australasia	1999	1.123	0.679313
Australasia	2000	1.107004	0.67342
Australasia	2001	1.092594	0.667626
Australasia	2002	1.09213	0.668502
Australasia	2003	1.073556	0.660159
Australasia	2004	1.093004	0.674235
Australasia	2005	1.109953	0.687767
Australasia	2006	1.11501	0.694533
Australasia	2007	1.119263	0.702944
Australasia	2008	1.12093	0.709291

Australasia	2009	1.12578	0.717931
Australasia	2010	1.119825	0.719347
Australasia	2011	1.110324	0.720219
Australasia	2012	1.102299	0.723081
Australasia	2013	1.092797	0.725804
Australasia	2014	1.087757	0.72868
Australasia	2015	1.082458	0.732461
Australasia	2016	1.075631	0.733734
Australasia	2017	1.056633	0.72804
Australasia	2018	1.040454	0.72481
Australasia	2019	1.025964	0.721186
Caribbean	1990	0.778203	0.705687
Caribbean	1991	0.789518	0.714482

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Caribbean	1992	0.790374	0.71231
Caribbean	1993	0.795133	0.714068
Caribbean	1994	0.794694	0.711298
Caribbean	1995	0.795712	0.709507
Caribbean	1996	0.799616	0.710759
Caribbean	1997	0.797003	0.706666
Caribbean	1998	0.795225	0.702657
Caribbean	1999	0.806613	0.710478
Caribbean	2000	0.84186	0.739455
Caribbean	2001	0.85681	0.751266
Caribbean	2002	0.865068	0.757623
Caribbean	2003	0.877107	0.766409
Caribbean	2004	0.894996	0.780393

Caribbean	2005	0.901407	0.785161
Caribbean	2006	0.90325	0.786336
Caribbean	2007	0.896328	0.779649
Caribbean	2008	0.888385	0.771347
Caribbean	2009	0.877739	0.760608
Caribbean	2010	0.902529	0.780843
Caribbean	2011	0.894764	0.774198
Caribbean	2012	0.897262	0.776873
Caribbean	2013	0.897109	0.776448
Caribbean	2014	0.895273	0.774364
Caribbean	2015	0.890096	0.769517
Caribbean	2016	0.888374	0.767038
Caribbean	2017	0.887092	0.764536



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Caribbean	2018	0.894349	0.768945
Caribbean	2019	0.900884	0.773334
Central Asia	1990	0.993776	0.730286
Central Asia	1991	0.991773	0.731194
Central Asia	1992	0.989487	0.735739
Central Asia	1993	0.982871	0.732542
Central Asia	1994	0.967481	0.724436
Central Asia	1995	0.953222	0.716344
Central Asia	1996	0.932845	0.703873
Central Asia	1997	0.939018	0.708663
Central Asia	1998	0.942864	0.711008
Central Asia	1999	0.93285	0.706787
Central Asia	2000	0.914752	0.697569

Central Asia	2001	0.90155	0.688619
Central Asia	2002	0.889552	0.67599
Central Asia	2003	0.880783	0.667315
Central Asia	2004	0.876683	0.667546
Central Asia	2005	0.878457	0.676155
Central Asia	2006	0.867182	0.670221
Central Asia	2007	0.861093	0.665534
Central Asia	2008	0.858393	0.661361
Central Asia	2009	0.865353	0.664304
Central Asia	2010	0.870146	0.66312
Central Asia	2011	0.864532	0.659123
Central Asia	2012	0.866978	0.660768
Central Asia	2013	0.863849	0.658662

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Central Asia	2014	0.851903	0.644534
Central Asia	2015	0.851577	0.639005
Central Asia	2016	0.849903	0.637999
Central Asia	2017	0.850543	0.637766
Central Asia	2018	0.846082	0.636936
Central Asia	2019	0.848602	0.64247
Central Europe	1990	0.955491	0.661719
Central Europe	1991	0.961364	0.663657
Central Europe	1992	0.957234	0.658579
Central Europe	1993	0.965166	0.660903
Central Europe	1994	0.966613	0.660389
Central Europe	1995	0.971466	0.661423
Central Europe	1996	0.979487	0.662808

Central Europe	1997	0.989711	0.667123
Central Europe	1998	0.99268	0.662612
Central Europe	1999	1.007421	0.665519
Central Europe	2000	1.009404	0.66032
Central Europe	2001	1.001136	0.650922
Central Europe	2002	0.99002	0.639423
Central Europe	2003	0.985822	0.633371
Central Europe	2004	0.987337	0.630977
Central Europe	2005	0.996463	0.635996
Central Europe	2006	1.012738	0.645361
Central Europe	2007	1.033613	0.65755
Central Europe	2008	1.022364	0.649222
Central Europe	2009	1.028734	0.651344

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Central Europe	2010	1.028359	0.649302
Central Europe	2011	1.026432	0.646255
Central Europe	2012	1.039093	0.651483
Central Europe	2013	1.047601	0.653682
Central Europe	2014	1.058371	0.659537
Central Europe	2015	1.069497	0.665303
Central Europe	2016	1.065577	0.663071
Central Europe	2017	1.059955	0.660605
Central Europe	2018	1.058167	0.660511
Central Europe	2019	1.056385	0.660778
Central Latin America	1990	0.977794	0.906047
Central Latin America	1991	0.960958	0.88965
Central Latin America	1992	0.96836	0.891993

Central Latin America	1993	0.96676	0.885486
Central Latin America	1994	0.960737	0.875372
Central Latin America	1995	0.974102	0.885237
Central Latin America	1996	0.980331	0.887809
Central Latin America	1997	0.986228	0.890212
Central Latin America	1998	0.984161	0.884764
Central Latin America	1999	0.993865	0.890436
Central Latin America	2000	0.974373	0.871688
Central Latin America	2001	0.977773	0.871958
Central Latin America	2002	0.955348	0.848128
Central Latin America	2003	0.953418	0.84444
Central Latin America	2004	0.949965	0.839949
Central Latin America	2005	0.94173	0.832021

Central Latin America	2006	0.929669	0.819435
Central Latin America	2007	0.928761	0.817536
Central Latin America	2008	0.913732	0.801903
Central Latin America	2009	0.918766	0.802136
Central Latin America	2010	0.932299	0.811422
Central Latin America	2011	0.923423	0.801163
Central Latin America	2012	0.916951	0.792063
Central Latin America	2013	0.906908	0.780367
Central Latin America	2014	0.915868	0.78579
Central Latin America	2015	0.904761	0.774169
Central Latin America	2016	0.894395	0.763281
Central Latin America	2017	0.878355	0.747275
Central Latin America	2018	0.879571	0.745725

Central Latin America	2019	0.873385	0.737332
Central Sub-Saharan Africa	1990	0.683461	0.582902
Central Sub-Saharan Africa	1991	0.694933	0.587758
Central Sub-Saharan Africa	1992	0.702424	0.589793
Central Sub-Saharan Africa	1993	0.714943	0.595657
Central Sub-Saharan Africa	1994	0.724653	0.59941
Central Sub-Saharan Africa	1995	0.732751	0.601448
Central Sub-Saharan Africa	1996	0.756166	0.614733
Central Sub-Saharan Africa	1997	0.757363	0.61014
Central Sub-Saharan Africa	1998	0.770799	0.615205
Central Sub-Saharan Africa	1999	0.783386	0.61934
Central Sub-Saharan Africa	2000	0.797995	0.624623
Central Sub-Saharan Africa	2001	0.813766	0.632481



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Central Sub-Saharan Africa	2002	0.833085	0.642304
Central Sub-Saharan Africa	2003	0.848224	0.65191
Central Sub-Saharan Africa	2004	0.857761	0.656619
Central Sub-Saharan Africa	2005	0.863588	0.659505
Central Sub-Saharan Africa	2006	0.861856	0.658283
Central Sub-Saharan Africa	2007	0.855563	0.655166
Central Sub-Saharan Africa	2008	0.851145	0.653598
Central Sub-Saharan Africa	2009	0.845802	0.651726
Central Sub-Saharan Africa	2010	0.838533	0.647863
Central Sub-Saharan Africa	2011	0.83013	0.644303
Central Sub-Saharan Africa	2012	0.823208	0.641886
Central Sub-Saharan Africa	2013	0.81738	0.640355
Central Sub-Saharan Africa	2014	0.813554	0.640249

Central Sub-Saharan Africa	2015	0.81476	0.642448
Central Sub-Saharan Africa	2016	0.815014	0.646596
Central Sub-Saharan Africa	2017	0.815435	0.651542
Central Sub-Saharan Africa	2018	0.813046	0.653874
Central Sub-Saharan Africa	2019	0.812155	0.657802
East Asia	1990	0.978254	0.818335
East Asia	1991	0.969935	0.811948
East Asia	1992	0.969225	0.811294
East Asia	1993	0.975501	0.816535
East Asia	1994	0.983547	0.817634
East Asia	1995	0.970594	0.806198
East Asia	1996	0.968826	0.803903
East Asia	1997	0.972998	0.805497

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East Asia	1998	0.970348	0.796676
East Asia	1999	0.973644	0.800535
East Asia	2000	0.973907	0.806971
East Asia	2001	0.961738	0.796409
East Asia	2002	0.943917	0.783934
East Asia	2003	0.933697	0.779517
East Asia	2004	0.918842	0.76399
East Asia	2005	0.899777	0.742355
East Asia	2006	0.909001	0.745431
East Asia	2007	0.904869	0.737149
East Asia	2008	0.898908	0.729162
East Asia	2009	0.893633	0.720614
East Asia	2010	0.891647	0.714709

East Asia	2011	0.88997	0.706791
East Asia	2012	0.868837	0.683317
East Asia	2013	0.864019	0.674571
East Asia	2014	0.860397	0.670162
East Asia	2015	0.851087	0.659093
East Asia	2016	0.854883	0.658215
East Asia	2017	0.873032	0.671291
East Asia	2018	0.892832	0.68718
East Asia	2019	0.901698	0.691723
Eastern Europe	1990	1.23365	0.659579
Eastern Europe	1991	1.234032	0.661635
Eastern Europe	1992	1.179967	0.645697
Eastern Europe	1993	1.111938	0.629129

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Eastern Europe	1994	1.083014	0.624362
Eastern Europe	1995	1.097775	0.626929
Eastern Europe	1996	1.136801	0.636876
Eastern Europe	1997	1.189719	0.652769
Eastern Europe	1998	1.200466	0.655556
Eastern Europe	1999	1.165156	0.646959
Eastern Europe	2000	1.133588	0.634773
Eastern Europe	2001	1.144775	0.639602
Eastern Europe	2002	1.145428	0.641292
Eastern Europe	2003	1.148307	0.645278
Eastern Europe	2004	1.147171	0.643072
Eastern Europe	2005	1.129964	0.635679
Eastern Europe	2006	1.160568	0.640647

Eastern Europe	2007	1.178074	0.645161
Eastern Europe	2008	1.173178	0.640809
Eastern Europe	2009	1.213267	0.652961
Eastern Europe	2010	1.216113	0.651057
Eastern Europe	2011	1.24856	0.661311
Eastern Europe	2012	1.26107	0.663132
Eastern Europe	2013	1.276739	0.668352
Eastern Europe	2014	1.282237	0.669976
Eastern Europe	2015	1.273576	0.668279
Eastern Europe	2016	1.293772	0.676652
Eastern Europe	2017	1.330071	0.693054
Eastern Europe	2018	1.325354	0.691408
Eastern Europe	2019	1.316541	0.688636

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Eastern Sub-Saharan Africa	1990	0.723735	0.659766
Eastern Sub-Saharan Africa	1991	0.716556	0.652735
Eastern Sub-Saharan Africa	1992	0.71224	0.648871
Eastern Sub-Saharan Africa	1993	0.705678	0.643593
Eastern Sub-Saharan Africa	1994	0.702762	0.640668
Eastern Sub-Saharan Africa	1995	0.698844	0.636628
Eastern Sub-Saharan Africa	1996	0.697362	0.635147
Eastern Sub-Saharan Africa	1997	0.698754	0.636152
Eastern Sub-Saharan Africa	1998	0.702868	0.639227
Eastern Sub-Saharan Africa	1999	0.705082	0.639977
Eastern Sub-Saharan Africa	2000	0.700715	0.635388
Eastern Sub-Saharan Africa	2001	0.699235	0.632593
Eastern Sub-Saharan Africa	2002	0.700728	0.632842

Eastern Sub-Saharan Africa	2003	0.702876	0.634288
Eastern Sub-Saharan Africa	2004	0.704983	0.635906
Eastern Sub-Saharan Africa	2005	0.708518	0.638477
Eastern Sub-Saharan Africa	2006	0.707323	0.63662
Eastern Sub-Saharan Africa	2007	0.705661	0.634556
Eastern Sub-Saharan Africa	2008	0.703491	0.632789
Eastern Sub-Saharan Africa	2009	0.706474	0.635204
Eastern Sub-Saharan Africa	2010	0.711105	0.639797
Eastern Sub-Saharan Africa	2011	0.718351	0.646421
Eastern Sub-Saharan Africa	2012	0.723635	0.651391
Eastern Sub-Saharan Africa	2013	0.730521	0.657747
Eastern Sub-Saharan Africa	2014	0.735582	0.663012
Eastern Sub-Saharan Africa	2015	0.741687	0.668864



Eastern Sub-Saharan Africa	2016	0.745789	0.673767
Eastern Sub-Saharan Africa	2017	0.752803	0.681804
Eastern Sub-Saharan Africa	2018	0.757852	0.687995
Eastern Sub-Saharan Africa	2019	0.762287	0.693751
High-income Asia Pacific	1990	1.039751	0.667137
High-income Asia Pacific	1991	1.043418	0.661266
High-income Asia Pacific	1992	1.054406	0.660081
High-income Asia Pacific	1993	1.065479	0.660206
High-income Asia Pacific	1994	1.074912	0.660328
High-income Asia Pacific	1995	1.08229	0.66066
High-income Asia Pacific	1996	1.099512	0.667777
High-income Asia Pacific	1997	1.103374	0.665346
High-income Asia Pacific	1998	1.090814	0.652463

High-income Asia Pacific	1999	1.080631	0.640419
High-income Asia Pacific	2000	1.077246	0.633324
High-income Asia Pacific	2001	1.078976	0.628989
High-income Asia Pacific	2002	1.083506	0.625751
High-income Asia Pacific	2003	1.079641	0.618161
High-income Asia Pacific	2004	1.086294	0.616881
High-income Asia Pacific	2005	1.078453	0.606349
High-income Asia Pacific	2006	1.085594	0.604766
High-income Asia Pacific	2007	1.076784	0.596348
High-income Asia Pacific	2008	1.064816	0.586519
High-income Asia Pacific	2009	1.046166	0.57464
High-income Asia Pacific	2010	1.038285	0.567576
High-income Asia Pacific	2011	1.055017	0.574227

High-income Asia Pacific	2012	1.065024	0.578891
High-income Asia Pacific	2013	1.07446	0.584658
High-income Asia Pacific	2014	1.080257	0.589475
High-income Asia Pacific	2015	1.084531	0.590498
High-income Asia Pacific	2016	1.093062	0.595518
High-income Asia Pacific	2017	1.092684	0.597114
High-income Asia Pacific	2018	1.106932	0.607797
High-income Asia Pacific	2019	1.109359	0.612461
High-income North America	1990	1.118132	0.672668
High-income North America	1991	1.117006	0.672201
High-income North America	1992	1.115077	0.671045
High-income North America	1993	1.113464	0.670112
High-income North America	1994	1.122594	0.675419

High-income North America	1995	1.124872	0.677823
High-income North America	1996	1.141051	0.688329
High-income North America	1997	1.152169	0.697537
High-income North America	1998	1.158742	0.704401
High-income North America	1999	1.166107	0.713378
High-income North America	2000	1.177151	0.724467
High-income North America	2001	1.177024	0.729607
High-income North America	2002	1.16057	0.723799
High-income North America	2003	1.151264	0.723251
High-income North America	2004	1.157041	0.731177
High-income North America	2005	1.157996	0.736166
High-income North America	2006	1.168287	0.747508
High-income North America	2007	1.174861	0.756554

High-income North America	2008	1.157709	0.751119
High-income North America	2009	1.138461	0.745004
High-income North America	2010	1.115781	0.735584
High-income North America	2011	1.103844	0.734535
High-income North America	2012	1.083181	0.727639
High-income North America	2013	1.057522	0.717919
High-income North America	2014	1.05067	0.720224
High-income North America	2015	1.041592	0.720859
High-income North America	2016	1.023499	0.715467
High-income North America	2017	1.003664	0.707465
High-income North America	2018	0.977158	0.692149
High-income North America	2019	0.996235	0.70587
North Africa and Middle East	1990	0.992053	0.929902

North Africa and Middle East	1991	0.999587	0.945749
North Africa and Middle East	1992	0.9933	0.945798
North Africa and Middle East	1993	0.991348	0.94837
North Africa and Middle East	1994	0.994314	0.95637
North Africa and Middle East	1995	0.992249	0.956899
North Africa and Middle East	1996	0.997432	0.963296
North Africa and Middle East	1997	0.988848	0.952588
North Africa and Middle East	1998	0.984311	0.946822
North Africa and Middle East	1999	0.989991	0.956975
North Africa and Middle East	2000	0.99719	0.973325
North Africa and Middle East	2001	0.988859	0.958619
North Africa and Middle East	2002	0.972092	0.932539
North Africa and Middle East	2003	0.965162	0.921957

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North Africa and Middle East	2004	0.972897	0.926071
North Africa and Middle East	2005	0.989718	0.947247
North Africa and Middle East	2006	1.004557	0.974732
North Africa and Middle East	2007	1.01095	0.99362
North Africa and Middle East	2008	1.017714	1.012304
North Africa and Middle East	2009	1.015727	1.017749
North Africa and Middle East	2010	1.014014	1.01966
North Africa and Middle East	2011	1.001629	1.011346
North Africa and Middle East	2012	1.002972	1.013633
North Africa and Middle East	2013	0.984389	0.993935
North Africa and Middle East	2014	0.990925	1.001141
North Africa and Middle East	2015	1.002549	1.012016
North Africa and Middle East	2016	1.010398	1.021392

North Africa and Middle East	2017	1.014892	1.02737
North Africa and Middle East	2018	1.018101	1.032525
North Africa and Middle East	2019	1.017794	1.032346
Oceania	1990	0.714981	0.712764
Oceania	1991	0.713966	0.709276
Oceania	1992	0.715391	0.707661
Oceania	1993	0.716127	0.705628
Oceania	1994	0.717851	0.704957
Oceania	1995	0.720437	0.708679
Oceania	1996	0.728436	0.718749
Oceania	1997	0.73471	0.724774
Oceania	1998	0.74027	0.731
Oceania	1999	0.740747	0.73015



Oceania	2000	0.739459	0.729167
Oceania	2001	0.732115	0.724288
Oceania	2002	0.737227	0.727466
Oceania	2003	0.745093	0.73641
Oceania	2004	0.743631	0.734994
Oceania	2005	0.727771	0.719476
Oceania	2006	0.721573	0.712822
Oceania	2007	0.715807	0.705716
Oceania	2008	0.711278	0.705836
Oceania	2009	0.708497	0.704765
Oceania	2010	0.697016	0.695086
Oceania	2011	0.685978	0.686528
Oceania	2012	0.677235	0.68009

Oceania	2013	0.672653	0.677716
Oceania	2014	0.668907	0.674571
Oceania	2015	0.668124	0.67487
Oceania	2016	0.667828	0.674982
Oceania	2017	0.664246	0.672026
Oceania	2018	0.659172	0.669561
Oceania	2019	0.660332	0.672439
South Asia	1990	0.66507	0.698583
South Asia	1991	0.661937	0.69396
South Asia	1992	0.675911	0.704971
South Asia	1993	0.671216	0.699226
South Asia	1994	0.670005	0.695142
South Asia	1995	0.673903	0.695892

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South Asia	1996	0.673456	0.689668
South Asia	1997	0.675591	0.688244
South Asia	1998	0.68373	0.697407
South Asia	1999	0.682567	0.698546
South Asia	2000	0.669169	0.681507
South Asia	2001	0.669284	0.679742
South Asia	2002	0.667592	0.676094
South Asia	2003	0.654533	0.65867
South Asia	2004	0.648943	0.64878
South Asia	2005	0.646784	0.643141
South Asia	2006	0.64926	0.645759
South Asia	2007	0.650865	0.646551
South Asia	2008	0.644718	0.637315

South Asia	2009	0.648902	0.634807
South Asia	2010	0.661674	0.639831
South Asia	2011	0.666136	0.642593
South Asia	2012	0.677551	0.653581
South Asia	2013	0.700175	0.664938
South Asia	2014	0.725503	0.679458
South Asia	2015	0.75062	0.703432
South Asia	2016	0.752504	0.708796
South Asia	2017	0.754074	0.711262
South Asia	2018	0.755202	0.708314
South Asia	2019	0.759717	0.712613
Southeast Asia	1990	0.996027	0.865118
Southeast Asia	1991	0.986435	0.857618

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Southeast Asia	1992	0.979521	0.851068
Southeast Asia	1993	0.975002	0.847726
Southeast Asia	1994	0.966841	0.841815
Southeast Asia	1995	0.959653	0.8355
Southeast Asia	1996	0.958879	0.833157
Southeast Asia	1997	0.967228	0.835268
Southeast Asia	1998	0.968374	0.828115
Southeast Asia	1999	0.974419	0.832331
Southeast Asia	2000	0.982661	0.837888
Southeast Asia	2001	0.989978	0.845043
Southeast Asia	2002	1.00304	0.857111
Southeast Asia	2003	1.00702	0.86077
Southeast Asia	2004	1.010903	0.865647

Southeast Asia	2005	1.009594	0.864883
Southeast Asia	2006	1.006894	0.863283
Southeast Asia	2007	1.004802	0.862165
Southeast Asia	2008	0.998931	0.857502
Southeast Asia	2009	0.993168	0.853077
Southeast Asia	2010	0.985052	0.846161
Southeast Asia	2011	0.972286	0.836049
Southeast Asia	2012	0.961676	0.827129
Southeast Asia	2013	0.957614	0.824501
Southeast Asia	2014	0.947844	0.816169
Southeast Asia	2015	0.944072	0.811403
Southeast Asia	2016	0.944548	0.810911
Southeast Asia	2017	0.954061	0.817224

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Southeast Asia	2018	0.963672	0.823881
Southeast Asia	2019	0.970656	0.827904
Southern Latin America	1990	0.836852	0.615026
Southern Latin America	1991	0.840997	0.616255
Southern Latin America	1992	0.838523	0.611796
Southern Latin America	1993	0.846781	0.613563
Southern Latin America	1994	0.858913	0.620038
Southern Latin America	1995	0.870687	0.623389
Southern Latin America	1996	0.877568	0.623542
Southern Latin America	1997	0.900245	0.635494
Southern Latin America	1998	0.924286	0.646916
Southern Latin America	1999	0.940666	0.653284
Southern Latin America	2000	0.951995	0.657239

Southern Latin America	2001	0.954878	0.65674
Southern Latin America	2002	0.947038	0.648019
Southern Latin America	2003	0.954421	0.648565
Southern Latin America	2004	0.958557	0.647573
Southern Latin America	2005	0.957894	0.645642
Southern Latin America	2006	0.968127	0.651186
Southern Latin America	2007	0.96893	0.649748
Southern Latin America	2008	0.980789	0.657073
Southern Latin America	2009	0.982553	0.65619
Southern Latin America	2010	0.995161	0.660136
Southern Latin America	2011	1.000659	0.661048
Southern Latin America	2012	0.997452	0.658189
Southern Latin America	2013	1.004457	0.661778



Southern Latin America	2014	1.008837	0.663532
Southern Latin America	2015	1.005479	0.661634
Southern Latin America	2016	0.998337	0.657825
Southern Latin America	2017	0.994391	0.65736
Southern Latin America	2018	0.995722	0.662491
Southern Latin America	2019	0.992334	0.66318
Southern Sub-Saharan Africa	1990	0.799727	0.566804
Southern Sub-Saharan Africa	1991	0.776829	0.54927
Southern Sub-Saharan Africa	1992	0.820106	0.577714
Southern Sub-Saharan Africa	1993	0.774803	0.54824
Southern Sub-Saharan Africa	1994	0.788186	0.555732
Southern Sub-Saharan Africa	1995	0.709621	0.502163
Southern Sub-Saharan Africa	1996	0.706395	0.498609

Southern Sub-Saharan Africa	1997	0.742709	0.519068
Southern Sub-Saharan Africa	1998	0.733636	0.510162
Southern Sub-Saharan Africa	1999	0.753431	0.518147
Southern Sub-Saharan Africa	2000	0.778592	0.53112
Southern Sub-Saharan Africa	2001	0.780906	0.52916
Southern Sub-Saharan Africa	2002	0.791602	0.532937
Southern Sub-Saharan Africa	2003	0.798728	0.534572
Southern Sub-Saharan Africa	2004	0.802828	0.536106
Southern Sub-Saharan Africa	2005	0.800053	0.534634
Southern Sub-Saharan Africa	2006	0.805583	0.537221
Southern Sub-Saharan Africa	2007	0.802574	0.536309
Southern Sub-Saharan Africa	2008	0.807065	0.539654
Southern Sub-Saharan Africa	2009	0.812728	0.542922

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Southern Sub-Saharan Africa	2010	0.815654	0.542544
Southern Sub-Saharan Africa	2011	0.825888	0.547379
Southern Sub-Saharan Africa	2012	0.83456	0.554376
Southern Sub-Saharan Africa	2013	0.843888	0.56142
Southern Sub-Saharan Africa	2014	0.858826	0.572506
Southern Sub-Saharan Africa	2015	0.861626	0.576232
Southern Sub-Saharan Africa	2016	0.862458	0.57647
Southern Sub-Saharan Africa	2017	0.850199	0.571158
Southern Sub-Saharan Africa	2018	0.834525	0.564877
Southern Sub-Saharan Africa	2019	0.832604	0.566608
Tropical Latin America	1990	0.868384	0.734218
Tropical Latin America	1991	0.871664	0.732863
Tropical Latin America	1992	0.872822	0.730195

Tropical Latin America	1993	0.870659	0.725086
Tropical Latin America	1994	0.872989	0.725556
Tropical Latin America	1995	0.8882	0.736898
Tropical Latin America	1996	0.90161	0.748706
Tropical Latin America	1997	0.912623	0.755214
Tropical Latin America	1998	0.915054	0.754469
Tropical Latin America	1999	0.919973	0.756125
Tropical Latin America	2000	0.92274	0.755265
Tropical Latin America	2001	0.92301	0.75235
Tropical Latin America	2002	0.925579	0.750251
Tropical Latin America	2003	0.914222	0.737044
Tropical Latin America	2004	0.908803	0.729144
Tropical Latin America	2005	0.909014	0.726955

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Tropical Latin America	2006	0.914548	0.728219
Tropical Latin America	2007	0.91622	0.726039
Tropical Latin America	2008	0.918839	0.724886
Tropical Latin America	2009	0.924596	0.725983
Tropical Latin America	2010	0.927897	0.724711
Tropical Latin America	2011	0.927844	0.721599
Tropical Latin America	2012	0.930201	0.720433
Tropical Latin America	2013	0.92795	0.715936
Tropical Latin America	2014	0.925154	0.711512
Tropical Latin America	2015	0.925393	0.70904
Tropical Latin America	2016	0.917662	0.700946
Tropical Latin America	2017	0.92015	0.701317
Tropical Latin America	2018	0.927136	0.707273

Tropical Latin America	2019	0.922426	0.703827
Western Europe	1990	1.187221	0.636881
Western Europe	1991	1.17978	0.631171
Western Europe	1992	1.179064	0.629347
Western Europe	1993	1.181449	0.629072
Western Europe	1994	1.189826	0.632836
Western Europe	1995	1.191172	0.631937
Western Europe	1996	1.195132	0.632473
Western Europe	1997	1.206631	0.637573
Western Europe	1998	1.213062	0.641914
Western Europe	1999	1.216683	0.643583
Western Europe	2000	1.234761	0.651178
Western Europe	2001	1.2483	0.658031

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Western Europe	2002	1.257153	0.663607
Western Europe	2003	1.260606	0.667379
Western Europe	2004	1.27021	0.674738
Western Europe	2005	1.276144	0.679276
Western Europe	2006	1.279993	0.683381
Western Europe	2007	1.283076	0.68944
Western Europe	2008	1.289726	0.697937
Western Europe	2009	1.287437	0.701796
Western Europe	2010	1.288567	0.70405
Western Europe	2011	1.303959	0.711458
Western Europe	2012	1.310276	0.715725
Western Europe	2013	1.313979	0.720856
Western Europe	2014	1.317178	0.725604

Western Europe	2015	1.310931	0.726156
Western Europe	2016	1.310262	0.730428
Western Europe	2017	1.285904	0.726461
Western Europe	2018	1.279483	0.731767
Western Europe	2019	1.263779	0.731772
Western Sub-Saharan Africa	1990	0.943231	0.876176
Western Sub-Saharan Africa	1991	0.93766	0.874746
Western Sub-Saharan Africa	1992	0.931574	0.874356
Western Sub-Saharan Africa	1993	0.922468	0.87055
Western Sub-Saharan Africa	1994	0.915253	0.867589
Western Sub-Saharan Africa	1995	0.906125	0.861331
Western Sub-Saharan Africa	1996	0.896934	0.855647
Western Sub-Saharan Africa	1997	0.893333	0.854683



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Western Sub-Saharan Africa	1998	0.884804	0.84926
Western Sub-Saharan Africa	1999	0.870291	0.83736
Western Sub-Saharan Africa	2000	0.86047	0.828306
Western Sub-Saharan Africa	2001	0.852357	0.822349
Western Sub-Saharan Africa	2002	0.846533	0.817614
Western Sub-Saharan Africa	2003	0.839041	0.812645
Western Sub-Saharan Africa	2004	0.830404	0.80605
Western Sub-Saharan Africa	2005	0.822259	0.798324
Western Sub-Saharan Africa	2006	0.817552	0.793607
Western Sub-Saharan Africa	2007	0.812308	0.787728
Western Sub-Saharan Africa	2008	0.805224	0.779451
Western Sub-Saharan Africa	2009	0.79906	0.771461
Western Sub-Saharan Africa	2010	0.794901	0.76539

Western Sub-Saharan Africa	2011	0.793234	0.761174
Western Sub-Saharan Africa	2012	0.793325	0.757741
Western Sub-Saharan Africa	2013	0.790147	0.750627
Western Sub-Saharan Africa	2014	0.79643	0.752517
Western Sub-Saharan Africa	2015	0.804319	0.755615
Western Sub-Saharan Africa	2016	0.812327	0.759468
Western Sub-Saharan Africa	2017	0.822265	0.764697
Western Sub-Saharan Africa	2018	0.830106	0.768468
Western Sub-Saharan Africa	2019	0.839655	0.773633

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**Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries and territories from 1990 to 2019 in 204 countries.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Afghanistan	1990	0.961218	0.963112
Afghanistan	1991	0.961054	0.95357
Afghanistan	1992	0.957648	0.93756
Afghanistan	1993	0.960475	0.930057
Afghanistan	1994	0.965727	0.927966
Afghanistan	1995	0.967031	0.922941
Afghanistan	1996	0.96932	0.918637
Afghanistan	1997	0.969684	0.912595
Afghanistan	1998	0.972555	0.909395
Afghanistan	1999	0.980011	0.90888
Afghanistan	2000	0.985626	0.909379
Afghanistan	2001	0.993832	0.910933
Afghanistan	2002	1.000351	0.912563
Afghanistan	2003	1.015199	0.919405
Afghanistan	2004	1.036288	0.930023
Afghanistan	2005	1.050515	0.939235
Afghanistan	2006	1.060058	0.943996
Afghanistan	2007	1.06658	0.947329
Afghanistan	2008	1.078541	0.954077
Afghanistan	2009	1.09462	0.962852
Afghanistan	2010	1.110446	0.974819

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5	Afghanistan	2011	1.121862	0.982551
6	Afghanistan	2012	1.126085	0.985505
7	Afghanistan	2013	1.135187	0.991014
8	Afghanistan	2014	1.143462	0.994594
9	Afghanistan	2015	1.148955	1.000242
10	Afghanistan	2016	1.158044	1.008886
11	Afghanistan	2017	1.170556	1.019302
12	Afghanistan	2018	1.180678	1.02524
13	Afghanistan	2019	1.191846	1.032065
14	Albania	1990	0.80288	0.611067
15	Albania	1991	0.824545	0.633067
16	Albania	1992	0.847876	0.64608
17	Albania	1993	0.8389	0.634173
18	Albania	1994	0.851827	0.63936
19	Albania	1995	0.863218	0.645539
20	Albania	1996	0.835124	0.620725
21	Albania	1997	0.820214	0.614118
22	Albania	1998	0.796342	0.603217
23	Albania	1999	0.836725	0.632571
24	Albania	2000	0.801031	0.607676
25	Albania	2001	0.800875	0.612752
26	Albania	2002	0.818988	0.631664
27	Albania	2003	0.829379	0.645643
28	Albania	2004	0.814148	0.640171
29	Albania	2005	0.844958	0.66871
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Albania	2006	0.861627	0.685951
Albania	2007	0.878193	0.701901
Albania	2008	0.873395	0.701159
Albania	2009	0.851996	0.687584
Albania	2010	0.836195	0.676588
Albania	2011	0.829811	0.676367
Albania	2012	0.835089	0.683686
Albania	2013	0.835903	0.687582
Albania	2014	0.819922	0.678315
Albania	2015	0.807743	0.670891
Albania	2016	0.816522	0.677372
Albania	2017	0.824754	0.682594
Albania	2018	0.833083	0.687361
Albania	2019	0.84051	0.691033
Algeria	1990	1.109457	1.137995
Algeria	1991	1.109573	1.103907
Algeria	1992	1.104276	1.086803
Algeria	1993	1.099944	1.074033
Algeria	1994	1.107022	1.066426
Algeria	1995	1.109373	1.065159
Algeria	1996	1.112722	1.065549
Algeria	1997	1.105399	1.055999
Algeria	1998	1.093316	1.043813
Algeria	1999	1.103667	1.053381
Algeria	2000	1.110872	1.065961

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5	Algeria	2001	1.113195	1.075515
6	Algeria	2002	1.11772	1.088375
7	Algeria	2003	1.119067	1.111271
8	Algeria	2004	1.136506	1.142565
9	Algeria	2005	1.14715	1.169811
10	Algeria	2006	1.15201	1.190973
11	Algeria	2007	1.155168	1.209171
12	Algeria	2008	1.15859	1.228457
13	Algeria	2009	1.163619	1.248209
14	Algeria	2010	1.177218	1.286784
15	Algeria	2011	1.186641	1.312148
16	Algeria	2012	1.189601	1.324703
17	Algeria	2013	1.204505	1.349103
18	Algeria	2014	1.219508	1.372427
19	Algeria	2015	1.223912	1.38569
20	Algeria	2016	1.212958	1.379575
21	Algeria	2017	1.211995	1.380939
22	Algeria	2018	1.241531	1.414697
23	Algeria	2019	1.249033	1.426351
24	American Samoa	1990	0.612611	0.596702
25	American Samoa	1991	0.61697	0.598437
26	American Samoa	1992	0.631844	0.608174
27	American Samoa	1993	0.653989	0.623514
28	American Samoa	1994	0.681528	0.645433
29	American Samoa	1995	0.704734	0.662102
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American Samoa	1996	0.730556	0.680042
American Samoa	1997	0.750686	0.692616
American Samoa	1998	0.768062	0.702708
American Samoa	1999	0.803672	0.728942
American Samoa	2000	0.82894	0.746903
American Samoa	2001	0.858097	0.770038
American Samoa	2002	0.853244	0.762156
American Samoa	2003	0.879136	0.781717
American Samoa	2004	0.893409	0.791329
American Samoa	2005	0.864685	0.762067
American Samoa	2006	0.856831	0.751596
American Samoa	2007	0.840159	0.734654
American Samoa	2008	0.82017	0.71572
American Samoa	2009	0.807269	0.703181
American Samoa	2010	0.797999	0.692814
American Samoa	2011	0.806261	0.69851
American Samoa	2012	0.825197	0.714836
American Samoa	2013	0.829821	0.719759
American Samoa	2014	0.829493	0.720731
American Samoa	2015	0.835253	0.726995
American Samoa	2016	0.834591	0.726271
American Samoa	2017	0.83428	0.726919
American Samoa	2018	0.833313	0.727019
American Samoa	2019	0.832801	0.72741
Andorra	1990	0.788861	0.729791

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5	Andorra	1991	0.777657	0.721833
6	Andorra	1992	0.786613	0.72433
7	Andorra	1993	0.799267	0.736144
8	Andorra	1994	0.822512	0.748494
9	Andorra	1995	0.815241	0.73957
10	Andorra	1996	0.812205	0.734919
11	Andorra	1997	0.819344	0.731837
12	Andorra	1998	0.822769	0.728802
13	Andorra	1999	0.83361	0.726268
14	Andorra	2000	0.838352	0.725112
15	Andorra	2001	0.84257	0.723152
16	Andorra	2002	0.857376	0.721192
17	Andorra	2003	0.855856	0.717126
18	Andorra	2004	0.880115	0.725276
19	Andorra	2005	0.88978	0.727032
20	Andorra	2006	0.905426	0.732969
21	Andorra	2007	0.920575	0.73044
22	Andorra	2008	0.930871	0.739732
23	Andorra	2009	0.966364	0.755799
24	Andorra	2010	0.984365	0.766113
25	Andorra	2011	1.019081	0.772799
26	Andorra	2012	1.070344	0.791319
27	Andorra	2013	1.089581	0.811453
28	Andorra	2014	1.126724	0.832771
29	Andorra	2015	1.162229	0.859118
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5	Andorra	2016	1.164998	0.860014
6	Andorra	2017	1.180541	0.862883
7	Andorra	2018	1.169541	0.866757
8	Andorra	2019	1.178874	0.871085
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10	Angola	1990	0.537106	0.457811
11	Angola	1991	0.544217	0.460671
12	Angola	1992	0.551135	0.46428
13	Angola	1993	0.559343	0.468348
14	Angola	1994	0.567008	0.47207
15	Angola	1995	0.57392	0.474355
16	Angola	1996	0.582053	0.476191
17	Angola	1997	0.592023	0.480883
18	Angola	1998	0.602272	0.487081
19	Angola	1999	0.616042	0.494658
20	Angola	2000	0.625475	0.49915
21	Angola	2001	0.625067	0.497084
22	Angola	2002	0.651311	0.513815
23	Angola	2003	0.668571	0.527179
24	Angola	2004	0.671047	0.528362
25	Angola	2005	0.66996	0.528374
26	Angola	2006	0.653598	0.518225
27	Angola	2007	0.639537	0.508693
28	Angola	2008	0.641562	0.510323
29	Angola	2009	0.636395	0.509296
30	Angola	2010	0.633737	0.507852
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Angola	2011	0.627955	0.505033
Angola	2012	0.619494	0.500108
Angola	2013	0.615684	0.497491
Angola	2014	0.611861	0.494839
Angola	2015	0.618424	0.500956
Angola	2016	0.629456	0.509579
Angola	2017	0.635562	0.517839
Angola	2018	0.641232	0.523674
Angola	2019	0.647501	0.530396
Antigua and Barbuda	1990	0.666514	0.446543
Antigua and Barbuda	1991	0.715685	0.478107
Antigua and Barbuda	1992	0.714282	0.479608
Antigua and Barbuda	1993	0.732266	0.493697
Antigua and Barbuda	1994	0.736436	0.499464
Antigua and Barbuda	1995	0.737658	0.502559
Antigua and Barbuda	1996	0.834084	0.578888
Antigua and Barbuda	1997	0.849233	0.599587
Antigua and Barbuda	1998	0.856383	0.615655
Antigua and Barbuda	1999	0.86549	0.631337
Antigua and Barbuda	2000	0.88497	0.654818
Antigua and Barbuda	2001	0.922952	0.693046
Antigua and Barbuda	2002	0.937509	0.716928
Antigua and Barbuda	2003	0.931884	0.725553
Antigua and Barbuda	2004	0.928461	0.73322
Antigua and Barbuda	2005	0.915143	0.734142

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Antigua and Barbuda	2006	0.886643	0.717462
Antigua and Barbuda	2007	0.737094	0.586594
Antigua and Barbuda	2008	0.740284	0.585623
Antigua and Barbuda	2009	0.834307	0.66124
Antigua and Barbuda	2010	0.855069	0.67682
Antigua and Barbuda	2011	0.878277	0.69395
Antigua and Barbuda	2012	0.910791	0.720486
Antigua and Barbuda	2013	0.946769	0.754748
Antigua and Barbuda	2014	0.946533	0.756041
Antigua and Barbuda	2015	0.944465	0.754486
Antigua and Barbuda	2016	0.949086	0.759164
Antigua and Barbuda	2017	0.961636	0.775668
Antigua and Barbuda	2018	0.955232	0.775363
Antigua and Barbuda	2019	0.938257	0.764103
Argentina	1990	0.816301	0.592396
Argentina	1991	0.81505	0.589561
Argentina	1992	0.809108	0.582187
Argentina	1993	0.820178	0.585302
Argentina	1994	0.835615	0.593134
Argentina	1995	0.852727	0.599872
Argentina	1996	0.864933	0.604446
Argentina	1997	0.887958	0.615809
Argentina	1998	0.911821	0.626255
Argentina	1999	0.926667	0.630847
Argentina	2000	0.937797	0.633938

Argentina	2001	0.936522	0.629952
Argentina	2002	0.926919	0.620389
Argentina	2003	0.93253	0.619629
Argentina	2004	0.932059	0.61577
Argentina	2005	0.927467	0.611552
Argentina	2006	0.939197	0.617824
Argentina	2007	0.941492	0.617118
Argentina	2008	0.95441	0.62448
Argentina	2009	0.959719	0.625646
Argentina	2010	0.973276	0.629635
Argentina	2011	0.975477	0.628524
Argentina	2012	0.967782	0.622803
Argentina	2013	0.976495	0.626864
Argentina	2014	0.98453	0.630903
Argentina	2015	0.977509	0.626764
Argentina	2016	0.966372	0.620702
Argentina	2017	0.958121	0.617106
Argentina	2018	0.958598	0.622691
Argentina	2019	0.954191	0.623212
Armenia	1990	0.780068	0.518728
Armenia	1991	0.765191	0.508548
Armenia	1992	0.777493	0.518524
Armenia	1993	0.769502	0.514966
Armenia	1994	0.767158	0.520619
Armenia	1995	0.837447	0.570209

Armenia	1996	0.883948	0.61161
Armenia	1997	0.932501	0.658905
Armenia	1998	0.992186	0.709891
Armenia	1999	0.977642	0.704145
Armenia	2000	0.989377	0.713448
Armenia	2001	0.993407	0.722184
Armenia	2002	0.975439	0.707534
Armenia	2003	0.984779	0.705606
Armenia	2004	0.973642	0.687817
Armenia	2005	0.955851	0.670541
Armenia	2006	0.928028	0.650275
Armenia	2007	1.000884	0.697835
Armenia	2008	0.930024	0.654575
Armenia	2009	0.907739	0.639381
Armenia	2010	0.891967	0.618215
Armenia	2011	0.858252	0.593996
Armenia	2012	0.895746	0.620641
Armenia	2013	0.90243	0.62339
Armenia	2014	0.879924	0.604729
Armenia	2015	0.827098	0.568261
Armenia	2016	0.836569	0.574202
Armenia	2017	0.838073	0.573061
Armenia	2018	0.837492	0.569781
Armenia	2019	0.833053	0.566864
Australia	1990	1.294494	0.755478

Australia	1991	1.288997	0.756474
Australia	1992	1.268926	0.745579
Australia	1993	1.241153	0.728202
Australia	1994	1.226829	0.71809
Australia	1995	1.231699	0.722381
Australia	1996	1.205226	0.709841
Australia	1997	1.191066	0.708118
Australia	1998	1.152601	0.688628
Australia	1999	1.152189	0.689831
Australia	2000	1.138176	0.683865
Australia	2001	1.12561	0.679441
Australia	2002	1.117703	0.674985
Australia	2003	1.095849	0.664528
Australia	2004	1.115103	0.677657
Australia	2005	1.135883	0.692902
Australia	2006	1.143659	0.700868
Australia	2007	1.154737	0.713041
Australia	2008	1.155029	0.717956
Australia	2009	1.164055	0.73019
Australia	2010	1.152713	0.728706
Australia	2011	1.141979	0.729099
Australia	2012	1.137162	0.734577
Australia	2013	1.125903	0.736751
Australia	2014	1.120436	0.740431
Australia	2015	1.10876	0.740356

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Australia	2016	1.102751	0.742331
Australia	2017	1.080546	0.734664
Australia	2018	1.068638	0.734484
Australia	2019	1.053569	0.730815
Austria	1990	1.516235	0.715717
Austria	1991	1.500515	0.705711
Austria	1992	1.491132	0.697389
Austria	1993	1.491922	0.696126
Austria	1994	1.498083	0.695299
Austria	1995	1.517538	0.698785
Austria	1996	1.50472	0.689712
Austria	1997	1.501237	0.682791
Austria	1998	1.494367	0.680545
Austria	1999	1.525297	0.695688
Austria	2000	1.552982	0.710282
Austria	2001	1.556454	0.717181
Austria	2002	1.552057	0.722238
Austria	2003	1.575332	0.743031
Austria	2004	1.543781	0.734121
Austria	2005	1.566323	0.744065
Austria	2006	1.565154	0.746048
Austria	2007	1.574945	0.754747
Austria	2008	1.579287	0.761531
Austria	2009	1.5496	0.756153
Austria	2010	1.565489	0.765797

Austria	2011	1.588252	0.779744
Austria	2012	1.601134	0.789644
Austria	2013	1.61478	0.803998
Austria	2014	1.618171	0.816704
Austria	2015	1.585412	0.805686
Austria	2016	1.587994	0.814803
Austria	2017	1.567843	0.81588
Austria	2018	1.545369	0.82056
Austria	2019	1.510565	0.817641
Azerbaijan	1990	0.884919	0.65096
Azerbaijan	1991	0.863564	0.647523
Azerbaijan	1992	0.804415	0.631196
Azerbaijan	1993	0.807115	0.640708
Azerbaijan	1994	0.824097	0.657869
Azerbaijan	1995	0.899597	0.689805
Azerbaijan	1996	0.926688	0.699384
Azerbaijan	1997	0.933708	0.708992
Azerbaijan	1998	0.951881	0.72596
Azerbaijan	1999	0.959192	0.7351
Azerbaijan	2000	0.953873	0.735509
Azerbaijan	2001	0.94505	0.732781
Azerbaijan	2002	0.929063	0.726587
Azerbaijan	2003	0.922196	0.729547
Azerbaijan	2004	0.911869	0.736815
Azerbaijan	2005	0.903185	0.741571



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5	Azerbaijan	2006	0.897948	0.739822
6	Azerbaijan	2007	0.893294	0.736339
7	Azerbaijan	2008	0.88655	0.739216
8	Azerbaijan	2009	0.895969	0.749957
9	Azerbaijan	2010	0.897182	0.756723
10	Azerbaijan	2011	0.886579	0.749297
11	Azerbaijan	2012	0.889392	0.748078
12	Azerbaijan	2013	0.896214	0.759684
13	Azerbaijan	2014	0.915751	0.771163
14	Azerbaijan	2015	0.928454	0.781904
15	Azerbaijan	2016	0.941756	0.786452
16	Azerbaijan	2017	0.948794	0.792003
17	Azerbaijan	2018	0.959219	0.807247
18	Azerbaijan	2019	0.964069	0.81359
19	Bahamas	1990	0.86923	0.637024
20	Bahamas	1991	0.873246	0.641249
21	Bahamas	1992	0.886863	0.654543
22	Bahamas	1993	0.874838	0.651853
23	Bahamas	1994	0.865065	0.646329
24	Bahamas	1995	0.858317	0.644723
25	Bahamas	1996	0.882475	0.662296
26	Bahamas	1997	0.890227	0.668356
27	Bahamas	1998	0.896911	0.667434
28	Bahamas	1999	0.913152	0.670192
29	Bahamas	2000	0.946792	0.688855
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Bahamas	2001	0.933287	0.683256
Bahamas	2002	0.961431	0.708425
Bahamas	2003	0.980276	0.723078
Bahamas	2004	0.969473	0.729096
Bahamas	2005	0.976416	0.747939
Bahamas	2006	0.965569	0.746845
Bahamas	2007	0.959604	0.750593
Bahamas	2008	0.937636	0.735607
Bahamas	2009	0.95849	0.756095
Bahamas	2010	0.962004	0.755122
Bahamas	2011	0.94786	0.745734
Bahamas	2012	0.940035	0.743227
Bahamas	2013	0.993174	0.800607
Bahamas	2014	0.966604	0.786467
Bahamas	2015	0.93935	0.758471
Bahamas	2016	0.934359	0.754261
Bahamas	2017	0.929223	0.75145
Bahamas	2018	0.912342	0.733095
Bahamas	2019	0.901126	0.718165
Bahrain	1990	0.96846	1.011246
Bahrain	1991	0.955936	0.993367
Bahrain	1992	0.958204	1.008735
Bahrain	1993	0.960542	1.032361
Bahrain	1994	0.914769	0.98154
Bahrain	1995	0.867259	0.918159

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Bahrain	1996	0.880086	0.927939
Bahrain	1997	0.841479	0.867421
Bahrain	1998	0.897658	0.909906
Bahrain	1999	0.990692	1.012986
Bahrain	2000	0.997978	1.079099
Bahrain	2001	0.962072	1.099497
Bahrain	2002	0.944778	1.025992
Bahrain	2003	0.88681	0.932096
Bahrain	2004	0.893684	0.94323
Bahrain	2005	0.879997	0.951966
Bahrain	2006	0.845168	0.936137
Bahrain	2007	0.816137	0.921743
Bahrain	2008	0.771081	0.894059
Bahrain	2009	0.739982	0.877059
Bahrain	2010	0.703531	0.858101
Bahrain	2011	0.690148	0.841018
Bahrain	2012	0.696111	0.81503
Bahrain	2013	0.724384	0.856791
Bahrain	2014	0.754134	0.915374
Bahrain	2015	0.761763	0.942064
Bahrain	2016	0.781626	0.985433
Bahrain	2017	0.787411	1.010453
Bahrain	2018	0.761454	0.999448
Bahrain	2019	0.75058	1.006894
Bangladesh	1990	0.3804	0.716382

Bangladesh	1991	0.375512	0.70697
Bangladesh	1992	0.395376	0.732929
Bangladesh	1993	0.404917	0.739799
Bangladesh	1994	0.4091	0.741698
Bangladesh	1995	0.419216	0.749634
Bangladesh	1996	0.415382	0.737888
Bangladesh	1997	0.41797	0.73412
Bangladesh	1998	0.43435	0.780599
Bangladesh	1999	0.454088	0.839102
Bangladesh	2000	0.453657	0.843641
Bangladesh	2001	0.459795	0.853859
Bangladesh	2002	0.467849	0.862316
Bangladesh	2003	0.464491	0.839155
Bangladesh	2004	0.462154	0.815733
Bangladesh	2005	0.466528	0.798544
Bangladesh	2006	0.46469	0.773923
Bangladesh	2007	0.454664	0.734806
Bangladesh	2008	0.464322	0.733483
Bangladesh	2009	0.490683	0.758337
Bangladesh	2010	0.52175	0.778736
Bangladesh	2011	0.542118	0.797312
Bangladesh	2012	0.565715	0.822096
Bangladesh	2013	0.586354	0.836184
Bangladesh	2014	0.60748	0.848881
Bangladesh	2015	0.637512	0.868537

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Bangladesh	2016	0.660278	0.882671
Bangladesh	2017	0.678338	0.88952
Bangladesh	2018	0.698971	0.899008
Bangladesh	2019	0.718894	0.907048
Barbados	1990	0.894527	0.616642
Barbados	1991	0.905157	0.626068
Barbados	1992	0.886093	0.614058
Barbados	1993	0.840365	0.584046
Barbados	1994	0.798121	0.552412
Barbados	1995	0.797847	0.547842
Barbados	1996	0.802923	0.548148
Barbados	1997	0.829481	0.563764
Barbados	1998	0.91285	0.619466
Barbados	1999	1.051021	0.713134
Barbados	2000	1.129813	0.771219
Barbados	2001	1.164329	0.804694
Barbados	2002	1.098412	0.766947
Barbados	2003	1.060014	0.743981
Barbados	2004	1.049906	0.73631
Barbados	2005	1.035049	0.730984
Barbados	2006	1.025381	0.726048
Barbados	2007	1.03494	0.730463
Barbados	2008	1.071119	0.755906
Barbados	2009	1.186422	0.840113
Barbados	2010	1.20559	0.861409

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5	Barbados	2011	1.256207	0.903078
6	Barbados	2012	1.232002	0.894855
7	Barbados	2013	1.244512	0.910245
8	Barbados	2014	1.226329	0.90563
9	Barbados	2015	1.219095	0.909021
10	Barbados	2016	1.20731	0.908776
11	Barbados	2017	1.18224	0.898411
12	Barbados	2018	1.136632	0.87408
13	Barbados	2019	1.057898	0.823784
14	Belarus	1990	1.222737	0.546785
15	Belarus	1991	1.222589	0.542306
16	Belarus	1992	1.222354	0.541995
17	Belarus	1993	1.194195	0.528192
18	Belarus	1994	1.198027	0.525786
19	Belarus	1995	1.190682	0.524236
20	Belarus	1996	1.19779	0.529672
21	Belarus	1997	1.201862	0.530403
22	Belarus	1998	1.180566	0.522256
23	Belarus	1999	1.17349	0.525554
24	Belarus	2000	1.181038	0.537008
25	Belarus	2001	1.11243	0.527535
26	Belarus	2002	0.992516	0.514932
27	Belarus	2003	0.965662	0.512927
28	Belarus	2004	0.987739	0.51748
29	Belarus	2005	0.949344	0.490265
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Belarus	2006	0.967082	0.492058
Belarus	2007	1.016222	0.523081
Belarus	2008	0.997675	0.511675
Belarus	2009	1.034343	0.52553
Belarus	2010	1.035253	0.522242
Belarus	2011	1.052963	0.526143
Belarus	2012	1.118591	0.540565
Belarus	2013	1.163733	0.552405
Belarus	2014	1.170396	0.54707
Belarus	2015	1.17895	0.546572
Belarus	2016	1.200354	0.553718
Belarus	2017	1.181	0.545909
Belarus	2018	1.181577	0.547002
Belarus	2019	1.173258	0.544368
Belgium	1990	1.421385	0.740877
Belgium	1991	1.423942	0.735281
Belgium	1992	1.445789	0.734188
Belgium	1993	1.462333	0.731138
Belgium	1994	1.49978	0.74798
Belgium	1995	1.496972	0.743446
Belgium	1996	1.496832	0.734692
Belgium	1997	1.509634	0.737004
Belgium	1998	1.514908	0.74002
Belgium	1999	1.502728	0.733028
Belgium	2000	1.557667	0.760407

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5	Belgium	2001	1.583938	0.775911
6	Belgium	2002	1.586992	0.779042
7	Belgium	2003	1.581673	0.780405
8	Belgium	2004	1.568962	0.781184
9	Belgium	2005	1.5535	0.78059
10	Belgium	2006	1.536952	0.778674
11	Belgium	2007	1.518508	0.773984
12	Belgium	2008	1.485609	0.766927
13	Belgium	2009	1.472726	0.767742
14	Belgium	2010	1.455233	0.765906
15	Belgium	2011	1.438783	0.760722
16	Belgium	2012	1.407827	0.747317
17	Belgium	2013	1.420968	0.757718
18	Belgium	2014	1.426814	0.762059
19	Belgium	2015	1.453753	0.777867
20	Belgium	2016	1.443727	0.774551
21	Belgium	2017	1.418192	0.768017
22	Belgium	2018	1.412215	0.771966
23	Belgium	2019	1.395084	0.770581
24	Belize	1990	1.00662	0.972825
25	Belize	1991	0.965362	0.94683
26	Belize	1992	0.931144	0.91186
27	Belize	1993	0.932714	0.918929
28	Belize	1994	0.931709	0.919944
29	Belize	1995	0.88969	0.890978
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Belize	1996	0.867909	0.868761
Belize	1997	0.814316	0.808436
Belize	1998	0.749212	0.736919
Belize	1999	0.714264	0.689447
Belize	2000	0.743064	0.711691
Belize	2001	0.79908	0.763506
Belize	2002	0.851249	0.81938
Belize	2003	0.884077	0.854598
Belize	2004	0.886352	0.861362
Belize	2005	0.904799	0.880318
Belize	2006	0.936253	0.920596
Belize	2007	0.939889	0.93118
Belize	2008	0.921785	0.919071
Belize	2009	0.920857	0.923895
Belize	2010	0.915009	0.919982
Belize	2011	0.925972	0.936544
Belize	2012	0.928028	0.938017
Belize	2013	0.940011	0.951449
Belize	2014	0.926192	0.934737
Belize	2015	0.870335	0.87185
Belize	2016	0.849205	0.852208
Belize	2017	0.845053	0.848611
Belize	2018	0.837958	0.836727
Belize	2019	0.830969	0.825455
Benin	1990	0.79431	0.718407

Benin	1991	0.787919	0.71165
Benin	1992	0.789963	0.712579
Benin	1993	0.792025	0.710205
Benin	1994	0.794905	0.70809
Benin	1995	0.79705	0.707537
Benin	1996	0.797238	0.702469
Benin	1997	0.79723	0.69874
Benin	1998	0.792817	0.690638
Benin	1999	0.787169	0.680281
Benin	2000	0.789476	0.67662
Benin	2001	0.791888	0.674468
Benin	2002	0.795861	0.672453
Benin	2003	0.805334	0.676195
Benin	2004	0.820154	0.684018
Benin	2005	0.837154	0.694794
Benin	2006	0.854647	0.70472
Benin	2007	0.870698	0.715176
Benin	2008	0.864989	0.708258
Benin	2009	0.861007	0.704984
Benin	2010	0.856749	0.700102
Benin	2011	0.848411	0.694153
Benin	2012	0.842619	0.6896
Benin	2013	0.831281	0.682766
Benin	2014	0.834141	0.686071
Benin	2015	0.836716	0.687831

Benin	2016	0.841937	0.693924
Benin	2017	0.845774	0.698568
Benin	2018	0.84839	0.702366
Benin	2019	0.84808	0.705069
Bermuda	1990	0.754029	0.536264
Bermuda	1991	0.779454	0.553886
Bermuda	1992	0.840547	0.599338
Bermuda	1993	0.854096	0.607478
Bermuda	1994	0.872814	0.618957
Bermuda	1995	0.898129	0.634928
Bermuda	1996	0.888039	0.626096
Bermuda	1997	0.889982	0.625837
Bermuda	1998	0.898389	0.629455
Bermuda	1999	0.901327	0.628074
Bermuda	2000	0.917436	0.635426
Bermuda	2001	0.930333	0.644094
Bermuda	2002	0.916068	0.634163
Bermuda	2003	0.872629	0.604624
Bermuda	2004	0.847269	0.587719
Bermuda	2005	0.818464	0.567361
Bermuda	2006	0.787899	0.546584
Bermuda	2007	0.77141	0.533994
Bermuda	2008	0.766299	0.528829
Bermuda	2009	0.771124	0.5311
Bermuda	2010	0.759957	0.523274

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5	Bermuda	2011	0.75285	0.518281
6	Bermuda	2012	0.746253	0.51245
7	Bermuda	2013	0.749626	0.513518
8	Bermuda	2014	0.757856	0.518891
9	Bermuda	2015	0.769205	0.52558
10	Bermuda	2016	0.777422	0.531834
11	Bermuda	2017	0.777963	0.532703
12	Bermuda	2018	0.776396	0.531267
13	Bermuda	2019	0.774579	0.529411
14	Bhutan	1990	1.150997	0.961563
15	Bhutan	1991	1.159768	0.976396
16	Bhutan	1992	1.161489	0.988481
17	Bhutan	1993	1.162582	1.002648
18	Bhutan	1994	1.16165	1.015731
19	Bhutan	1995	1.161533	1.029975
20	Bhutan	1996	1.155882	1.038013
21	Bhutan	1997	1.14839	1.044638
22	Bhutan	1998	1.132276	1.043871
23	Bhutan	1999	1.117843	1.044833
24	Bhutan	2000	1.104612	1.044609
25	Bhutan	2001	1.082835	1.036621
26	Bhutan	2002	1.060601	1.028499
27	Bhutan	2003	1.048045	1.026816
28	Bhutan	2004	1.048342	1.036155
29	Bhutan	2005	1.045514	1.041306
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Bhutan	2006	1.040212	1.045284
Bhutan	2007	1.04562	1.054329
Bhutan	2008	1.020866	1.035328
Bhutan	2009	0.990419	1.00997
Bhutan	2010	0.976659	0.999512
Bhutan	2011	0.963328	0.988538
Bhutan	2012	0.954794	0.981532
Bhutan	2013	0.951871	0.978607
Bhutan	2014	0.951886	0.977927
Bhutan	2015	0.944963	0.969948
Bhutan	2016	0.93875	0.962066
Bhutan	2017	0.941255	0.962716
Bhutan	2018	0.945337	0.964172
Bhutan	2019	0.95056	0.966948
Bolivia (Plurinational State of)	1990	0.961256	0.803475
Bolivia (Plurinational State of)	1991	0.974811	0.817495
Bolivia (Plurinational State of)	1992	1.002636	0.843273
Bolivia (Plurinational State of)	1993	1.017767	0.858119
Bolivia (Plurinational State of)	1994	1.033256	0.87403
Bolivia (Plurinational State of)	1995	1.024883	0.870068
Bolivia (Plurinational State of)	1996	1.017566	0.866427
Bolivia (Plurinational State of)	1997	1.007971	0.861273
Bolivia (Plurinational State of)	1998	0.984129	0.841985
Bolivia (Plurinational State of)	1999	0.966015	0.827632
Bolivia (Plurinational State of)	2000	0.962713	0.824518

Bolivia (Plurinational State of)	2001	0.958932	0.820473
Bolivia (Plurinational State of)	2002	0.976256	0.835383
Bolivia (Plurinational State of)	2003	0.98302	0.842998
Bolivia (Plurinational State of)	2004	0.994413	0.853175
Bolivia (Plurinational State of)	2005	1.000176	0.857717
Bolivia (Plurinational State of)	2006	0.994393	0.853639
Bolivia (Plurinational State of)	2007	1.012508	0.870734
Bolivia (Plurinational State of)	2008	1.012945	0.872046
Bolivia (Plurinational State of)	2009	1.014013	0.874569
Bolivia (Plurinational State of)	2010	1.020693	0.882007
Bolivia (Plurinational State of)	2011	1.0303	0.892378
Bolivia (Plurinational State of)	2012	1.042369	0.905194
Bolivia (Plurinational State of)	2013	1.032939	0.899283
Bolivia (Plurinational State of)	2014	1.009051	0.880472
Bolivia (Plurinational State of)	2015	1.012061	0.885248
Bolivia (Plurinational State of)	2016	1.029472	0.902983
Bolivia (Plurinational State of)	2017	1.025379	0.901278
Bolivia (Plurinational State of)	2018	1.020638	0.898737
Bolivia (Plurinational State of)	2019	1.018462	0.897773
Bosnia and Herzegovina	1990	1.29983	0.970983
Bosnia and Herzegovina	1991	1.288569	0.978089
Bosnia and Herzegovina	1992	1.355309	1.027289
Bosnia and Herzegovina	1993	1.329285	0.98292
Bosnia and Herzegovina	1994	1.34116	0.988002
Bosnia and Herzegovina	1995	1.337425	0.976078

Bosnia and Herzegovina	1996	1.330841	0.969336
Bosnia and Herzegovina	1997	1.386711	1.048084
Bosnia and Herzegovina	1998	1.325447	0.989462
Bosnia and Herzegovina	1999	1.299408	0.931218
Bosnia and Herzegovina	2000	1.218634	0.856607
Bosnia and Herzegovina	2001	1.246342	0.884627
Bosnia and Herzegovina	2002	1.214282	0.851942
Bosnia and Herzegovina	2003	1.13905	0.783318
Bosnia and Herzegovina	2004	1.143951	0.790536
Bosnia and Herzegovina	2005	1.040577	0.726236
Bosnia and Herzegovina	2006	1.06114	0.738709
Bosnia and Herzegovina	2007	1.0373	0.726447
Bosnia and Herzegovina	2008	1.018065	0.713553
Bosnia and Herzegovina	2009	1.009822	0.716932
Bosnia and Herzegovina	2010	1.0141	0.719194
Bosnia and Herzegovina	2011	0.981583	0.69969
Bosnia and Herzegovina	2012	1.005197	0.710447
Bosnia and Herzegovina	2013	1.013019	0.708952
Bosnia and Herzegovina	2014	1.038881	0.725823
Bosnia and Herzegovina	2015	1.049397	0.736441
Bosnia and Herzegovina	2016	1.040546	0.735288
Bosnia and Herzegovina	2017	1.040503	0.737686
Bosnia and Herzegovina	2018	1.04249	0.738539
Bosnia and Herzegovina	2019	1.043485	0.74054
Botswana	1990	0.537137	0.414065

Botswana	1991	0.529932	0.411447
Botswana	1992	0.518595	0.406089
Botswana	1993	0.500924	0.397237
Botswana	1994	0.475532	0.382303
Botswana	1995	0.445387	0.362409
Botswana	1996	0.411066	0.337684
Botswana	1997	0.38692	0.317997
Botswana	1998	0.388996	0.316316
Botswana	1999	0.399472	0.320642
Botswana	2000	0.419352	0.331758
Botswana	2001	0.440807	0.343843
Botswana	2002	0.462907	0.35598
Botswana	2003	0.48127	0.365153
Botswana	2004	0.485173	0.364081
Botswana	2005	0.486513	0.361465
Botswana	2006	0.486971	0.359767
Botswana	2007	0.517909	0.376773
Botswana	2008	0.56281	0.404718
Botswana	2009	0.590041	0.421971
Botswana	2010	0.61666	0.43976
Botswana	2011	0.650044	0.462337
Botswana	2012	0.673408	0.478454
Botswana	2013	0.698869	0.496157
Botswana	2014	0.729034	0.517204
Botswana	2015	0.736907	0.525176



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Botswana	2016	0.736744	0.527736
Botswana	2017	0.741796	0.534897
Botswana	2018	0.745507	0.541574
Botswana	2019	0.749048	0.547359
Brazil	1990	0.868292	0.734531
Brazil	1991	0.871669	0.733028
Brazil	1992	0.873059	0.730412
Brazil	1993	0.870166	0.724411
Brazil	1994	0.872946	0.725148
Brazil	1995	0.888112	0.736283
Brazil	1996	0.901793	0.748348
Brazil	1997	0.912694	0.754577
Brazil	1998	0.915702	0.754223
Brazil	1999	0.920762	0.755906
Brazil	2000	0.923142	0.754715
Brazil	2001	0.92368	0.75192
Brazil	2002	0.926329	0.749707
Brazil	2003	0.914675	0.736203
Brazil	2004	0.908924	0.728108
Brazil	2005	0.909099	0.725899
Brazil	2006	0.914362	0.726873
Brazil	2007	0.917005	0.725326
Brazil	2008	0.919568	0.724005
Brazil	2009	0.926131	0.725645
Brazil	2010	0.929564	0.724421

Brazil	2011	0.929337	0.72113
Brazil	2012	0.932485	0.720529
Brazil	2013	0.929513	0.715356
Brazil	2014	0.928064	0.711744
Brazil	2015	0.93	0.710368
Brazil	2016	0.921374	0.701534
Brazil	2017	0.923842	0.701841
Brazil	2018	0.931119	0.708035
Brazil	2019	0.926425	0.704651
Brunei Darussalam	1990	0.730035	0.53404
Brunei Darussalam	1991	0.74702	0.551392
Brunei Darussalam	1992	0.753832	0.561922
Brunei Darussalam	1993	0.761973	0.573017
Brunei Darussalam	1994	0.802694	0.622696
Brunei Darussalam	1995	0.817759	0.648665
Brunei Darussalam	1996	0.850126	0.700386
Brunei Darussalam	1997	0.894011	0.778129
Brunei Darussalam	1998	0.873648	0.765259
Brunei Darussalam	1999	0.871369	0.763791
Brunei Darussalam	2000	0.894188	0.798016
Brunei Darussalam	2001	0.90963	0.83227
Brunei Darussalam	2002	0.886411	0.780404
Brunei Darussalam	2003	0.854292	0.71243
Brunei Darussalam	2004	0.859174	0.715514
Brunei Darussalam	2005	0.84762	0.690099

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5	Brunei Darussalam	2006	0.852917	0.685786
6	Brunei Darussalam	2007	0.882095	0.739274
7	Brunei Darussalam	2008	0.862392	0.697695
8	Brunei Darussalam	2009	0.856274	0.659067
9	Brunei Darussalam	2010	0.855225	0.645933
10	Brunei Darussalam	2011	0.874377	0.639123
11	Brunei Darussalam	2012	0.893294	0.618207
12	Brunei Darussalam	2013	0.887434	0.591531
13	Brunei Darussalam	2014	0.889551	0.570037
14	Brunei Darussalam	2015	0.908183	0.567185
15	Brunei Darussalam	2016	0.908363	0.560784
16	Brunei Darussalam	2017	0.899665	0.555
17	Brunei Darussalam	2018	0.897283	0.547615
18	Brunei Darussalam	2019	0.897071	0.549288
19	Bulgaria	1990	0.784462	0.633343
20	Bulgaria	1991	0.8026	0.650828
21	Bulgaria	1992	0.791893	0.644128
22	Bulgaria	1993	0.768757	0.619671
23	Bulgaria	1994	0.766644	0.616116
24	Bulgaria	1995	0.784155	0.626033
25	Bulgaria	1996	0.792337	0.62834
26	Bulgaria	1997	0.81624	0.64351
27	Bulgaria	1998	0.810752	0.633696
28	Bulgaria	1999	0.84948	0.659797
29	Bulgaria	2000	0.827353	0.634195
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Bulgaria	2001	0.799274	0.605875
Bulgaria	2002	0.784054	0.590177
Bulgaria	2003	0.761885	0.573417
Bulgaria	2004	0.750577	0.563872
Bulgaria	2005	0.737531	0.550685
Bulgaria	2006	0.740673	0.551365
Bulgaria	2007	0.742368	0.548454
Bulgaria	2008	0.735157	0.539766
Bulgaria	2009	0.733233	0.536161
Bulgaria	2010	0.744196	0.543393
Bulgaria	2011	0.738048	0.535808
Bulgaria	2012	0.742174	0.534777
Bulgaria	2013	0.748018	0.538745
Bulgaria	2014	0.757692	0.54565
Bulgaria	2015	0.768527	0.55158
Bulgaria	2016	0.751909	0.541118
Bulgaria	2017	0.748123	0.537571
Bulgaria	2018	0.757731	0.540935
Bulgaria	2019	0.759446	0.540909
Burkina Faso	1990	0.829528	0.714538
Burkina Faso	1991	0.822189	0.708491
Burkina Faso	1992	0.828201	0.71154
Burkina Faso	1993	0.826131	0.708344
Burkina Faso	1994	0.828671	0.709142
Burkina Faso	1995	0.832397	0.710774

Burkina Faso	1996	0.840602	0.718042
Burkina Faso	1997	0.855196	0.729615
Burkina Faso	1998	0.864386	0.736372
Burkina Faso	1999	0.878543	0.745592
Burkina Faso	2000	0.896482	0.757597
Burkina Faso	2001	0.900208	0.758025
Burkina Faso	2002	0.911224	0.761005
Burkina Faso	2003	0.922792	0.770118
Burkina Faso	2004	0.93218	0.777212
Burkina Faso	2005	0.936739	0.780345
Burkina Faso	2006	0.941423	0.78412
Burkina Faso	2007	0.937418	0.779712
Burkina Faso	2008	0.932447	0.771837
Burkina Faso	2009	0.932103	0.767737
Burkina Faso	2010	0.933339	0.766071
Burkina Faso	2011	0.936167	0.762728
Burkina Faso	2012	0.933527	0.758505
Burkina Faso	2013	0.934327	0.753482
Burkina Faso	2014	0.946187	0.758672
Burkina Faso	2015	0.965308	0.770071
Burkina Faso	2016	0.981429	0.778676
Burkina Faso	2017	0.997016	0.7884
Burkina Faso	2018	1.006615	0.794704
Burkina Faso	2019	1.016562	0.801219
Burundi	1990	0.687664	0.563286

Burundi	1991	0.694366	0.567374
Burundi	1992	0.699582	0.571893
Burundi	1993	0.698081	0.573959
Burundi	1994	0.696463	0.575131
Burundi	1995	0.698699	0.57815
Burundi	1996	0.712302	0.591291
Burundi	1997	0.719895	0.601894
Burundi	1998	0.728608	0.614085
Burundi	1999	0.737929	0.625256
Burundi	2000	0.734877	0.628305
Burundi	2001	0.734869	0.631386
Burundi	2002	0.733492	0.633296
Burundi	2003	0.733389	0.637925
Burundi	2004	0.729231	0.640778
Burundi	2005	0.718246	0.63823
Burundi	2006	0.703513	0.630502
Burundi	2007	0.683863	0.619678
Burundi	2008	0.666624	0.612776
Burundi	2009	0.663426	0.614655
Burundi	2010	0.660953	0.616004
Burundi	2011	0.656466	0.616586
Burundi	2012	0.654089	0.619867
Burundi	2013	0.652141	0.622567
Burundi	2014	0.6494	0.625271
Burundi	2015	0.644695	0.62811

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Burundi	2016	0.636883	0.629837
Burundi	2017	0.631132	0.632785
Burundi	2018	0.628577	0.636035
Burundi	2019	0.624937	0.639786
Cabo Verde	1990	0.785566	0.5739
Cabo Verde	1991	0.799078	0.581168
Cabo Verde	1992	0.800885	0.580711
Cabo Verde	1993	0.780252	0.565062
Cabo Verde	1994	0.769012	0.55496
Cabo Verde	1995	0.760016	0.546382
Cabo Verde	1996	0.725456	0.51886
Cabo Verde	1997	0.676563	0.479908
Cabo Verde	1998	0.676536	0.473741
Cabo Verde	1999	0.676218	0.467118
Cabo Verde	2000	0.68503	0.466719
Cabo Verde	2001	0.686608	0.46229
Cabo Verde	2002	0.688755	0.458328
Cabo Verde	2003	0.690284	0.453906
Cabo Verde	2004	0.687477	0.446744
Cabo Verde	2005	0.684518	0.439673
Cabo Verde	2006	0.777244	0.500204
Cabo Verde	2007	0.816068	0.528048
Cabo Verde	2008	0.819805	0.532151
Cabo Verde	2009	0.824293	0.537742
Cabo Verde	2010	0.83081	0.546195

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5	Cabo Verde	2011	0.853879	0.565047
6	Cabo Verde	2012	0.875334	0.583896
7	Cabo Verde	2013	0.871868	0.58662
8	Cabo Verde	2014	0.904058	0.616563
9	Cabo Verde	2015	0.942277	0.652128
10	Cabo Verde	2016	1.004837	0.705484
11	Cabo Verde	2017	0.957232	0.681284
12	Cabo Verde	2018	0.696343	0.470762
13	Cabo Verde	2019	0.705846	0.473874
14	Cambodia	1990	1.272435	0.929989
15	Cambodia	1991	1.277283	0.931682
16	Cambodia	1992	1.287046	0.936978
17	Cambodia	1993	1.299802	0.944499
18	Cambodia	1994	1.311296	0.951699
19	Cambodia	1995	1.305299	0.947258
20	Cambodia	1996	1.305278	0.945959
21	Cambodia	1997	1.294164	0.937495
22	Cambodia	1998	1.282978	0.929409
23	Cambodia	1999	1.272036	0.922534
24	Cambodia	2000	1.259729	0.913971
25	Cambodia	2001	1.246865	0.905562
26	Cambodia	2002	1.239166	0.900746
27	Cambodia	2003	1.227679	0.89253
28	Cambodia	2004	1.212898	0.88247
29	Cambodia	2005	1.193716	0.869231
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Cambodia	2006	1.18145	0.860138
Cambodia	2007	1.164389	0.848923
Cambodia	2008	1.148449	0.838274
Cambodia	2009	1.137969	0.830565
Cambodia	2010	1.134267	0.827896
Cambodia	2011	1.13422	0.827352
Cambodia	2012	1.135837	0.828119
Cambodia	2013	1.140934	0.831604
Cambodia	2014	1.14328	0.833467
Cambodia	2015	1.144017	0.833629
Cambodia	2016	1.146845	0.835286
Cambodia	2017	1.150349	0.836871
Cambodia	2018	1.152662	0.837604
Cambodia	2019	1.155105	0.838245
Cameroon	1990	1.147025	1.039542
Cameroon	1991	1.13009	1.023941
Cameroon	1992	1.11613	1.010117
Cameroon	1993	1.09613	0.991193
Cameroon	1994	1.085801	0.980193
Cameroon	1995	1.066587	0.962355
Cameroon	1996	1.04273	0.941254
Cameroon	1997	1.038881	0.934436
Cameroon	1998	1.030364	0.926553
Cameroon	1999	1.010618	0.908515
Cameroon	2000	0.99371	0.892449

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5	Cameroon	2001	0.973748	0.875349
6	Cameroon	2002	0.961464	0.860027
7	Cameroon	2003	0.950572	0.851844
8	Cameroon	2004	0.939277	0.843458
9	Cameroon	2005	0.925508	0.832964
10	Cameroon	2006	0.916299	0.824142
11	Cameroon	2007	0.904462	0.813191
12	Cameroon	2008	0.886022	0.796672
13	Cameroon	2009	0.876197	0.787422
14	Cameroon	2010	0.879262	0.788679
15	Cameroon	2011	0.880561	0.789209
16	Cameroon	2012	0.878504	0.786955
17	Cameroon	2013	0.876201	0.784414
18	Cameroon	2014	0.88642	0.793444
19	Cameroon	2015	0.894119	0.799428
20	Cameroon	2016	0.901086	0.806824
21	Cameroon	2017	0.904634	0.810746
22	Cameroon	2018	0.904815	0.812334
23	Cameroon	2019	0.906643	0.815062
24	Canada	1990	1.071669	0.656583
25	Canada	1991	1.068419	0.651509
26	Canada	1992	1.072055	0.651547
27	Canada	1993	1.062733	0.64336
28	Canada	1994	1.071188	0.646973
29	Canada	1995	1.056516	0.635922
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Canada	1996	1.06505	0.637783
Canada	1997	1.053599	0.628887
Canada	1998	1.053543	0.626099
Canada	1999	1.048713	0.618933
Canada	2000	1.075001	0.633436
Canada	2001	1.081442	0.635703
Canada	2002	1.090276	0.639234
Canada	2003	1.086281	0.636843
Canada	2004	1.090858	0.638593
Canada	2005	1.111257	0.652645
Canada	2006	1.138485	0.671429
Canada	2007	1.147179	0.680731
Canada	2008	1.155455	0.690482
Canada	2009	1.15475	0.694508
Canada	2010	1.166421	0.707449
Canada	2011	1.162524	0.712348
Canada	2012	1.14527	0.710073
Canada	2013	1.132927	0.710844
Canada	2014	1.127098	0.715051
Canada	2015	1.11813	0.716868
Canada	2016	1.106954	0.71676
Canada	2017	1.094248	0.715128
Canada	2018	1.074678	0.709354
Canada	2019	1.062453	0.707807
Central African Republic	1990	0.605335	0.494503

Central African Republic	1991	0.595076	0.488287
Central African Republic	1992	0.579631	0.476163
Central African Republic	1993	0.593358	0.485861
Central African Republic	1994	0.597356	0.488188
Central African Republic	1995	0.60126	0.490392
Central African Republic	1996	0.606962	0.494629
Central African Republic	1997	0.606767	0.493809
Central African Republic	1998	0.60576	0.491861
Central African Republic	1999	0.601875	0.487075
Central African Republic	2000	0.599029	0.482639
Central African Republic	2001	0.598767	0.482322
Central African Republic	2002	0.601461	0.484166
Central African Republic	2003	0.60518	0.487199
Central African Republic	2004	0.605982	0.487695
Central African Republic	2005	0.60574	0.486763
Central African Republic	2006	0.606321	0.485265
Central African Republic	2007	0.605549	0.483734
Central African Republic	2008	0.602208	0.479866
Central African Republic	2009	0.602173	0.479239
Central African Republic	2010	0.600321	0.478502
Central African Republic	2011	0.601359	0.479995
Central African Republic	2012	0.604953	0.483166
Central African Republic	2013	0.609224	0.485905
Central African Republic	2014	0.609242	0.485843
Central African Republic	2015	0.606339	0.484164

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Central African Republic	2016	0.601069	0.48213
Central African Republic	2017	0.596947	0.480092
Central African Republic	2018	0.594318	0.478991
Central African Republic	2019	0.592694	0.479463
Chad	1990	0.834872	0.761775
Chad	1991	0.821838	0.752272
Chad	1992	0.80896	0.744471
Chad	1993	0.792107	0.732762
Chad	1994	0.769123	0.714465
Chad	1995	0.753542	0.702173
Chad	1996	0.731651	0.68299
Chad	1997	0.713377	0.666729
Chad	1998	0.700701	0.655117
Chad	1999	0.682246	0.638162
Chad	2000	0.669872	0.626096
Chad	2001	0.662084	0.61966
Chad	2002	0.65693	0.616713
Chad	2003	0.654422	0.618421
Chad	2004	0.644129	0.613396
Chad	2005	0.63571	0.610532
Chad	2006	0.628836	0.607959
Chad	2007	0.622864	0.607788
Chad	2008	0.614477	0.605515
Chad	2009	0.603446	0.603535
Chad	2010	0.597793	0.602175

Chad	2011	0.591857	0.601036
Chad	2012	0.586086	0.600795
Chad	2013	0.582037	0.600969
Chad	2014	0.578729	0.604162
Chad	2015	0.577133	0.606962
Chad	2016	0.577592	0.611944
Chad	2017	0.579311	0.618026
Chad	2018	0.579088	0.621805
Chad	2019	0.578632	0.626191
Chile	1990	0.975267	0.789928
Chile	1991	1.004222	0.810795
Chile	1992	1.03789	0.832208
Chile	1993	1.027902	0.817282
Chile	1994	1.024455	0.811473
Chile	1995	1.007339	0.788872
Chile	1996	0.980229	0.755604
Chile	1997	0.99706	0.765156
Chile	1998	1.032587	0.788071
Chile	1999	1.05249	0.799165
Chile	2000	1.06127	0.804204
Chile	2001	1.073648	0.813752
Chile	2002	1.076179	0.809961
Chile	2003	1.080699	0.808243
Chile	2004	1.09034	0.810053
Chile	2005	1.098112	0.812524

Chile	2006	1.101727	0.813429
Chile	2007	1.099118	0.810954
Chile	2008	1.101981	0.816507
Chile	2009	1.087498	0.804882
Chile	2010	1.090558	0.803135
Chile	2011	1.106878	0.813052
Chile	2012	1.114865	0.818805
Chile	2013	1.110409	0.816162
Chile	2014	1.0971	0.804446
Chile	2015	1.100775	0.805611
Chile	2016	1.103035	0.806088
Chile	2017	1.114846	0.814555
Chile	2018	1.11631	0.815553
Chile	2019	1.114836	0.814624
China	1990	0.967823	0.814115
China	1991	0.958559	0.806344
China	1992	0.957942	0.80596
China	1993	0.964164	0.811179
China	1994	0.973764	0.813081
China	1995	0.959877	0.800819
China	1996	0.957836	0.79771
China	1997	0.962476	0.799933
China	1998	0.959408	0.790422
China	1999	0.962405	0.793427
China	2000	0.96278	0.800564

China	2001	0.950333	0.789064
China	2002	0.932042	0.776288
China	2003	0.921262	0.772159
China	2004	0.906997	0.757937
China	2005	0.88725	0.735528
China	2006	0.897301	0.739151
China	2007	0.892122	0.729779
China	2008	0.88588	0.720897
China	2009	0.880109	0.711189
China	2010	0.877856	0.705003
China	2011	0.877119	0.697836
China	2012	0.854498	0.672527
China	2013	0.849703	0.664253
China	2014	0.845928	0.661064
China	2015	0.836498	0.650847
China	2016	0.840203	0.651806
China	2017	0.858599	0.666526
China	2018	0.878564	0.683378
China	2019	0.887628	0.688388
Colombia	1990	0.92605	0.87332
Colombia	1991	0.88317	0.835151
Colombia	1992	0.881827	0.827676
Colombia	1993	0.897087	0.835138
Colombia	1994	0.897415	0.830507
Colombia	1995	0.883693	0.818259



Colombia	1996	0.860237	0.790636
Colombia	1997	0.876126	0.798379
Colombia	1998	0.887859	0.799727
Colombia	1999	0.863474	0.772837
Colombia	2000	0.849005	0.755909
Colombia	2001	0.850541	0.749405
Colombia	2002	0.737513	0.644557
Colombia	2003	0.823671	0.713566
Colombia	2004	0.815959	0.70425
Colombia	2005	0.846694	0.725794
Colombia	2006	0.823752	0.702385
Colombia	2007	0.834971	0.708499
Colombia	2008	0.821626	0.69362
Colombia	2009	0.771829	0.648857
Colombia	2010	0.78163	0.652348
Colombia	2011	0.791119	0.65474
Colombia	2012	0.786915	0.647334
Colombia	2013	0.795163	0.650472
Colombia	2014	0.847073	0.690264
Colombia	2015	0.832346	0.676081
Colombia	2016	0.829521	0.671116
Colombia	2017	0.828961	0.667807
Colombia	2018	0.843668	0.676432
Colombia	2019	0.843713	0.675001
Comoros	1990	0.733786	0.662082

Comoros	1991	0.7402	0.663758
Comoros	1992	0.745905	0.664646
Comoros	1993	0.757544	0.670189
Comoros	1994	0.766249	0.672645
Comoros	1995	0.775972	0.676143
Comoros	1996	0.789989	0.682161
Comoros	1997	0.802756	0.68778
Comoros	1998	0.828547	0.704046
Comoros	1999	0.860904	0.725442
Comoros	2000	0.88092	0.738351
Comoros	2001	0.907113	0.756097
Comoros	2002	0.917167	0.761638
Comoros	2003	0.939988	0.777236
Comoros	2004	0.947701	0.781221
Comoros	2005	0.953186	0.787593
Comoros	2006	0.96207	0.788326
Comoros	2007	0.950667	0.783126
Comoros	2008	0.954273	0.785029
Comoros	2009	0.965166	0.788867
Comoros	2010	0.983476	0.796443
Comoros	2011	0.986429	0.798943
Comoros	2012	0.993435	0.803484
Comoros	2013	0.994148	0.805074
Comoros	2014	0.99033	0.809445
Comoros	2015	0.995551	0.813129

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Comoros	2016	1.000726	0.815787
Comoros	2017	1.006585	0.819901
Comoros	2018	1.010868	0.821308
Comoros	2019	1.012969	0.822834
Congo	1990	0.751571	0.620385
Congo	1991	0.757008	0.620743
Congo	1992	0.751454	0.61207
Congo	1993	0.767738	0.621074
Congo	1994	0.793581	0.640092
Congo	1995	0.807649	0.649302
Congo	1996	0.843536	0.675503
Congo	1997	0.849181	0.678751
Congo	1998	0.861181	0.681345
Congo	1999	0.873966	0.688289
Congo	2000	0.887117	0.693063
Congo	2001	0.894852	0.695199
Congo	2002	0.91501	0.707194
Congo	2003	0.938097	0.727745
Congo	2004	0.965721	0.749928
Congo	2005	0.999334	0.777948
Congo	2006	1.01017	0.790931
Congo	2007	1.01219	0.799437
Congo	2008	1.011191	0.805224
Congo	2009	1.001536	0.805305
Congo	2010	1.005744	0.814986

Congo	2011	0.995978	0.812365
Congo	2012	0.976587	0.809515
Congo	2013	0.96994	0.812844
Congo	2014	0.962707	0.814701
Congo	2015	0.950028	0.810594
Congo	2016	0.936194	0.807464
Congo	2017	0.929756	0.808413
Congo	2018	0.918173	0.804938
Congo	2019	0.907093	0.801955
Cook Islands	1990	0.731273	0.737078
Cook Islands	1991	0.714071	0.722799
Cook Islands	1992	0.703288	0.713012
Cook Islands	1993	0.694466	0.703081
Cook Islands	1994	0.691835	0.697671
Cook Islands	1995	0.690798	0.693392
Cook Islands	1996	0.692286	0.692624
Cook Islands	1997	0.691053	0.690664
Cook Islands	1998	0.687318	0.687769
Cook Islands	1999	0.678993	0.681139
Cook Islands	2000	0.670422	0.674048
Cook Islands	2001	0.676639	0.680259
Cook Islands	2002	0.677434	0.678221
Cook Islands	2003	0.672888	0.667111
Cook Islands	2004	0.672924	0.657395
Cook Islands	2005	0.660459	0.636278

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Cook Islands	2006	0.662874	0.630598
Cook Islands	2007	0.655072	0.618395
Cook Islands	2008	0.655387	0.615491
Cook Islands	2009	0.660637	0.619082
Cook Islands	2010	0.662691	0.621673
Cook Islands	2011	0.64694	0.607209
Cook Islands	2012	0.643794	0.603641
Cook Islands	2013	0.648095	0.605316
Cook Islands	2014	0.648776	0.602425
Cook Islands	2015	0.646748	0.597015
Cook Islands	2016	0.64459	0.590916
Cook Islands	2017	0.657328	0.598123
Cook Islands	2018	0.665537	0.601679
Cook Islands	2019	0.673095	0.605095
Costa Rica	1990	0.842686	0.780245
Costa Rica	1991	0.846408	0.779555
Costa Rica	1992	0.801387	0.735808
Costa Rica	1993	0.822401	0.751924
Costa Rica	1994	0.818493	0.744542
Costa Rica	1995	0.809652	0.735454
Costa Rica	1996	0.823017	0.742523
Costa Rica	1997	0.81881	0.739022
Costa Rica	1998	0.833152	0.75157
Costa Rica	1999	0.772513	0.695838
Costa Rica	2000	0.772973	0.691908

Costa Rica	2001	0.792404	0.706965
Costa Rica	2002	0.785335	0.698226
Costa Rica	2003	0.789385	0.699126
Costa Rica	2004	0.775158	0.685789
Costa Rica	2005	0.823794	0.726354
Costa Rica	2006	0.794886	0.69863
Costa Rica	2007	0.804319	0.704393
Costa Rica	2008	0.802687	0.700785
Costa Rica	2009	0.824271	0.715522
Costa Rica	2010	0.752826	0.65028
Costa Rica	2011	0.779381	0.666415
Costa Rica	2012	0.797407	0.675406
Costa Rica	2013	0.796876	0.669869
Costa Rica	2014	0.79033	0.658754
Costa Rica	2015	0.788694	0.653029
Costa Rica	2016	0.795657	0.658021
Costa Rica	2017	0.805902	0.664662
Costa Rica	2018	0.785138	0.644119
Costa Rica	2019	0.794065	0.647561
Croatia	1990	1.120185	0.65127
Croatia	1991	1.125968	0.653247
Croatia	1992	1.121772	0.655144
Croatia	1993	1.111291	0.645602
Croatia	1994	1.121473	0.65099
Croatia	1995	1.139708	0.659749

Croatia	1996	1.161451	0.665951
Croatia	1997	1.152629	0.651192
Croatia	1998	1.166428	0.64639
Croatia	1999	1.196099	0.654948
Croatia	2000	1.216367	0.660369
Croatia	2001	1.220003	0.655333
Croatia	2002	1.248965	0.670539
Croatia	2003	1.232678	0.662375
Croatia	2004	1.28712	0.691856
Croatia	2005	1.241395	0.66823
Croatia	2006	1.256257	0.676099
Croatia	2007	1.282833	0.69208
Croatia	2008	1.256338	0.68161
Croatia	2009	1.257667	0.683845
Croatia	2010	1.318366	0.725261
Croatia	2011	1.290008	0.714134
Croatia	2012	1.250825	0.693977
Croatia	2013	1.318069	0.727072
Croatia	2014	1.304176	0.721959
Croatia	2015	1.322415	0.740471
Croatia	2016	1.287002	0.722383
Croatia	2017	1.265466	0.716749
Croatia	2018	1.256311	0.71655
Croatia	2019	1.242454	0.714384
Cuba	1990	0.727847	0.702803

Cuba	1991	0.724469	0.694605
Cuba	1992	0.729795	0.694633
Cuba	1993	0.720995	0.682637
Cuba	1994	0.70017	0.659501
Cuba	1995	0.738602	0.691371
Cuba	1996	0.766014	0.714588
Cuba	1997	0.765753	0.712793
Cuba	1998	0.800248	0.743681
Cuba	1999	0.812952	0.753939
Cuba	2000	0.881295	0.814171
Cuba	2001	0.959164	0.883325
Cuba	2002	0.988012	0.90707
Cuba	2003	1.02399	0.936121
Cuba	2004	1.061575	0.965081
Cuba	2005	1.074199	0.973171
Cuba	2006	1.080161	0.975409
Cuba	2007	1.094049	0.985931
Cuba	2008	1.115955	1.001873
Cuba	2009	1.088237	0.972591
Cuba	2010	1.080138	0.961158
Cuba	2011	1.104658	0.980563
Cuba	2012	1.059809	0.939556
Cuba	2013	1.057449	0.934553
Cuba	2014	1.045602	0.920903
Cuba	2015	1.024565	0.900839



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5	Cuba	2016	0.999353	0.875106
6	Cuba	2017	0.976223	0.851947
7	Cuba	2018	0.979438	0.850798
8	Cuba	2019	0.984318	0.851479
9	Cyprus	1990	0.973492	0.995284
10	Cyprus	1991	0.870799	0.852337
11	Cyprus	1992	0.836617	0.776383
12	Cyprus	1993	0.865602	0.768364
13	Cyprus	1994	0.894084	0.769336
14	Cyprus	1995	0.884558	0.755664
15	Cyprus	1996	0.850063	0.727604
16	Cyprus	1997	0.836166	0.718292
17	Cyprus	1998	0.862069	0.738631
18	Cyprus	1999	0.890677	0.7614
19	Cyprus	2000	0.839486	0.709185
20	Cyprus	2001	0.828953	0.682359
21	Cyprus	2002	0.831988	0.672456
22	Cyprus	2003	0.888021	0.684125
23	Cyprus	2004	0.889668	0.677149
24	Cyprus	2005	0.883011	0.659401
25	Cyprus	2006	0.876697	0.632202
26	Cyprus	2007	0.867611	0.61137
27	Cyprus	2008	0.874585	0.601709
28	Cyprus	2009	0.842293	0.542734
29	Cyprus	2010	0.842268	0.527126
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Cyprus	2011	0.902202	0.551805
Cyprus	2012	0.932618	0.566257
Cyprus	2013	0.954078	0.588914
Cyprus	2014	0.981005	0.618201
Cyprus	2015	0.972019	0.633882
Cyprus	2016	0.994398	0.701614
Cyprus	2017	1.049295	0.817407
Cyprus	2018	1.005187	0.80001
Cyprus	2019	0.963696	0.782896
Czechia	1990	1.016176	0.624468
Czechia	1991	1.092255	0.665403
Czechia	1992	1.114824	0.676432
Czechia	1993	1.165005	0.705793
Czechia	1994	1.161923	0.705491
Czechia	1995	1.221828	0.746068
Czechia	1996	1.210004	0.738504
Czechia	1997	1.2386	0.75613
Czechia	1998	1.243416	0.755395
Czechia	1999	1.216241	0.737046
Czechia	2000	1.251442	0.756081
Czechia	2001	1.23813	0.748034
Czechia	2002	1.232174	0.737573
Czechia	2003	1.2408	0.740963
Czechia	2004	1.219882	0.723872
Czechia	2005	1.260818	0.743677

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5	Czechia	2006	1.263043	0.740681
6	Czechia	2007	1.254411	0.738889
7	Czechia	2008	1.2398	0.735183
8	Czechia	2009	1.218698	0.726824
9	Czechia	2010	1.206849	0.719868
10	Czechia	2011	1.208496	0.722033
11	Czechia	2012	1.210538	0.724006
12	Czechia	2013	1.220183	0.728389
13	Czechia	2014	1.220982	0.727287
14	Czechia	2015	1.22085	0.726128
15	Czechia	2016	1.216345	0.725895
16	Czechia	2017	1.174381	0.703135
17	Czechia	2018	1.163977	0.704178
18	Czechia	2019	1.15844	0.708733
19	C ɹ te d'Ivoire	1990	0.608796	0.660555
20	C ɹ te d'Ivoire	1991	0.595623	0.644126
21	C ɹ te d'Ivoire	1992	0.578152	0.627977
22	C ɹ te d'Ivoire	1993	0.56919	0.618807
23	C ɹ te d'Ivoire	1994	0.557509	0.606066
24	C ɹ te d'Ivoire	1995	0.549824	0.596539
25	C ɹ te d'Ivoire	1996	0.548132	0.592989
26	C ɹ te d'Ivoire	1997	0.552384	0.594317
27	C ɹ te d'Ivoire	1998	0.559997	0.597753
28	C ɹ te d'Ivoire	1999	0.564649	0.599111
29	C ɹ te d'Ivoire	2000	0.571707	0.601928
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C 么 te d'Ivoire	2001	0.585033	0.608489
C 么 te d'Ivoire	2002	0.595451	0.615232
C 么 te d'Ivoire	2003	0.602649	0.618669
C 么 te d'Ivoire	2004	0.604192	0.619534
C 么 te d'Ivoire	2005	0.613897	0.625708
C 么 te d'Ivoire	2006	0.622914	0.631968
C 么 te d'Ivoire	2007	0.625933	0.632453
C 么 te d'Ivoire	2008	0.630376	0.635391
C 么 te d'Ivoire	2009	0.632111	0.63704
C 么 te d'Ivoire	2010	0.629477	0.635272
C 么 te d'Ivoire	2011	0.627319	0.633461
C 么 te d'Ivoire	2012	0.625624	0.632268
C 么 te d'Ivoire	2013	0.623281	0.631079
C 么 te d'Ivoire	2014	0.62667	0.635978
C 么 te d'Ivoire	2015	0.631361	0.641248
C 么 te d'Ivoire	2016	0.635046	0.64627
C 么 te d'Ivoire	2017	0.637611	0.650224
C 么 te d'Ivoire	2018	0.641324	0.658071
C 么 te d'Ivoire	2019	0.643183	0.663257
Democratic People's Republic of Korea	1990	1.519679	0.93015
Democratic People's Republic of Korea	1991	1.517594	0.928075
Democratic People's Republic of Korea	1992	1.515332	0.925618
Democratic People's Republic of Korea	1993	1.511403	0.922131
Democratic People's Republic of Korea	1994	1.508383	0.918629
Democratic People's Republic of Korea	1995	1.50472	0.916326

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5	Democratic People's Republic of Korea	1996	1.499132	0.914125
6	Democratic People's Republic of Korea	1997	1.48746	0.907333
7	Democratic People's Republic of Korea	1998	1.47484	0.898221
8	Democratic People's Republic of Korea	1999	1.465112	0.889807
9	Democratic People's Republic of Korea	2000	1.457588	0.883
10	Democratic People's Republic of Korea	2001	1.449234	0.87407
11	Democratic People's Republic of Korea	2002	1.439481	0.863734
12	Democratic People's Republic of Korea	2003	1.428879	0.857005
13	Democratic People's Republic of Korea	2004	1.420628	0.85164
14	Democratic People's Republic of Korea	2005	1.413032	0.846354
15	Democratic People's Republic of Korea	2006	1.408239	0.843679
16	Democratic People's Republic of Korea	2007	1.404697	0.842011
17	Democratic People's Republic of Korea	2008	1.404365	0.842973
18	Democratic People's Republic of Korea	2009	1.405944	0.8431
19	Democratic People's Republic of Korea	2010	1.404803	0.841923
20	Democratic People's Republic of Korea	2011	1.398525	0.838881
21	Democratic People's Republic of Korea	2012	1.386802	0.833673
22	Democratic People's Republic of Korea	2013	1.371735	0.82762
23	Democratic People's Republic of Korea	2014	1.353179	0.81921
24	Democratic People's Republic of Korea	2015	1.335352	0.811898
25	Democratic People's Republic of Korea	2016	1.318845	0.806027
26	Democratic People's Republic of Korea	2017	1.307835	0.803468
27	Democratic People's Republic of Korea	2018	1.299564	0.802576
28	Democratic People's Republic of Korea	2019	1.295109	0.802939
29	Democratic Republic of the Congo	1990	0.725667	0.623441
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Democratic Republic of the Congo	1991	0.740756	0.629281
Democratic Republic of the Congo	1992	0.75213	0.632608
Democratic Republic of the Congo	1993	0.766523	0.637728
Democratic Republic of the Congo	1994	0.77596	0.638698
Democratic Republic of the Congo	1995	0.783725	0.63836
Democratic Republic of the Congo	1996	0.809876	0.651945
Democratic Republic of the Congo	1997	0.808153	0.642786
Democratic Republic of the Congo	1998	0.825377	0.648066
Democratic Republic of the Congo	1999	0.839514	0.651081
Democratic Republic of the Congo	2000	0.857808	0.657211
Democratic Republic of the Congo	2001	0.880893	0.668343
Democratic Republic of the Congo	2002	0.900827	0.677205
Democratic Republic of the Congo	2003	0.915041	0.684614
Democratic Republic of the Congo	2004	0.928388	0.689952
Democratic Republic of the Congo	2005	0.935923	0.692857
Democratic Republic of the Congo	2006	0.938317	0.693584
Democratic Republic of the Congo	2007	0.934732	0.69219
Democratic Republic of the Congo	2008	0.927033	0.689089
Democratic Republic of the Congo	2009	0.92225	0.687671
Democratic Republic of the Congo	2010	0.913491	0.68321
Democratic Republic of the Congo	2011	0.903043	0.679241
Democratic Republic of the Congo	2012	0.896883	0.678318
Democratic Republic of the Congo	2013	0.889759	0.677695
Democratic Republic of the Congo	2014	0.884106	0.678253
Democratic Republic of the Congo	2015	0.885333	0.681047

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5	Democratic Republic of the Congo	2016	0.883509	0.685571
6	Democratic Republic of the Congo	2017	0.883648	0.690975
7	Democratic Republic of the Congo	2018	0.878558	0.693063
8	Democratic Republic of the Congo	2019	0.876196	0.69748
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10	Denmark	1990	0.914828	0.580452
11	Denmark	1991	0.912012	0.572928
12	Denmark	1992	0.890685	0.554798
13	Denmark	1993	0.87468	0.544928
14	Denmark	1994	0.831742	0.522527
15	Denmark	1995	0.824691	0.520423
16	Denmark	1996	0.81649	0.514111
17	Denmark	1997	0.821561	0.517473
18	Denmark	1998	0.800373	0.502251
19	Denmark	1999	0.798478	0.504149
20	Denmark	2000	0.814684	0.504074
21	Denmark	2001	0.824117	0.502832
22	Denmark	2002	0.839073	0.506498
23	Denmark	2003	0.834985	0.501439
24	Denmark	2004	0.840014	0.504647
25	Denmark	2005	0.859294	0.51366
26	Denmark	2006	0.872854	0.519461
27	Denmark	2007	0.897032	0.531496
28	Denmark	2008	0.907035	0.535438
29	Denmark	2009	0.901804	0.534455
30	Denmark	2010	0.913237	0.543388
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Denmark	2011	0.930847	0.55667
Denmark	2012	0.925529	0.557666
Denmark	2013	0.909819	0.55261
Denmark	2014	0.911329	0.558367
Denmark	2015	0.920682	0.572028
Denmark	2016	0.891396	0.563705
Denmark	2017	0.87517	0.562369
Denmark	2018	0.856567	0.559299
Denmark	2019	0.83897	0.555753
Djibouti	1990	0.63711	0.62949
Djibouti	1991	0.640369	0.623249
Djibouti	1992	0.633152	0.617298
Djibouti	1993	0.612619	0.606712
Djibouti	1994	0.606436	0.600977
Djibouti	1995	0.597126	0.597611
Djibouti	1996	0.591292	0.597983
Djibouti	1997	0.591939	0.603648
Djibouti	1998	0.589677	0.60793
Djibouti	1999	0.591275	0.614159
Djibouti	2000	0.589404	0.615726
Djibouti	2001	0.588645	0.619655
Djibouti	2002	0.588821	0.624743
Djibouti	2003	0.59524	0.632076
Djibouti	2004	0.600295	0.640742
Djibouti	2005	0.604165	0.646974



Djibouti	2006	0.607081	0.651123
Djibouti	2007	0.59813	0.646241
Djibouti	2008	0.592115	0.644566
Djibouti	2009	0.593195	0.649664
Djibouti	2010	0.596027	0.655453
Djibouti	2011	0.597782	0.661758
Djibouti	2012	0.601631	0.66921
Djibouti	2013	0.607341	0.678561
Djibouti	2014	0.609306	0.685456
Djibouti	2015	0.613572	0.691928
Djibouti	2016	0.616979	0.699061
Djibouti	2017	0.620938	0.707408
Djibouti	2018	0.622501	0.713307
Djibouti	2019	0.623897	0.718761
Dominica	1990	1.022575	0.68341
Dominica	1991	1.030748	0.681536
Dominica	1992	0.966633	0.635319
Dominica	1993	0.955614	0.621836
Dominica	1994	0.967154	0.623203
Dominica	1995	0.971693	0.621751
Dominica	1996	0.982772	0.625897
Dominica	1997	0.995791	0.633172
Dominica	1998	1.014203	0.645226
Dominica	1999	1.07042	0.681689
Dominica	2000	1.106362	0.706969

Dominica	2001	1.133138	0.731554
Dominica	2002	1.144745	0.752951
Dominica	2003	1.130896	0.76167
Dominica	2004	1.100279	0.756289
Dominica	2005	1.098023	0.757618
Dominica	2006	1.097205	0.766254
Dominica	2007	1.086021	0.768361
Dominica	2008	1.059714	0.765443
Dominica	2009	1.039281	0.764358
Dominica	2010	1.017251	0.762748
Dominica	2011	1.00979	0.773488
Dominica	2012	0.988291	0.776944
Dominica	2013	0.972341	0.779038
Dominica	2014	0.951066	0.776249
Dominica	2015	0.929208	0.769479
Dominica	2016	0.924913	0.775782
Dominica	2017	0.916874	0.778058
Dominica	2018	0.909062	0.779735
Dominica	2019	0.902622	0.781262
Dominican Republic	1990	0.792257	0.775078
Dominican Republic	1991	0.813805	0.79193
Dominican Republic	1992	0.834425	0.808714
Dominican Republic	1993	0.867692	0.836164
Dominican Republic	1994	0.831727	0.799803
Dominican Republic	1995	0.788926	0.756014

Dominican Republic	1996	0.750525	0.710374
Dominican Republic	1997	0.727226	0.680711
Dominican Republic	1998	0.704717	0.653237
Dominican Republic	1999	0.655838	0.600255
Dominican Republic	2000	0.667709	0.608755
Dominican Republic	2001	0.683421	0.621056
Dominican Republic	2002	0.672707	0.608319
Dominican Republic	2003	0.688722	0.619241
Dominican Republic	2004	0.716078	0.641397
Dominican Republic	2005	0.748373	0.669059
Dominican Republic	2006	0.755305	0.675231
Dominican Republic	2007	0.762239	0.680346
Dominican Republic	2008	0.776457	0.691661
Dominican Republic	2009	0.795809	0.710386
Dominican Republic	2010	0.808009	0.727011
Dominican Republic	2011	0.795596	0.723439
Dominican Republic	2012	0.780869	0.71514
Dominican Republic	2013	0.77778	0.715245
Dominican Republic	2014	0.790124	0.729196
Dominican Republic	2015	0.802808	0.741573
Dominican Republic	2016	0.815963	0.755204
Dominican Republic	2017	0.835907	0.773302
Dominican Republic	2018	0.852982	0.787151
Dominican Republic	2019	0.867118	0.7988
Ecuador	1990	1.004058	1.011805

Ecuador	1991	0.968923	0.969688
Ecuador	1992	1.003831	0.998713
Ecuador	1993	0.991662	0.981519
Ecuador	1994	0.975175	0.96323
Ecuador	1995	0.969265	0.958788
Ecuador	1996	0.955254	0.945169
Ecuador	1997	0.963522	0.948701
Ecuador	1998	0.952234	0.929045
Ecuador	1999	0.923097	0.898357
Ecuador	2000	0.945688	0.918728
Ecuador	2001	0.850152	0.82902
Ecuador	2002	0.961827	0.929527
Ecuador	2003	1.002522	0.961998
Ecuador	2004	0.951695	0.910259
Ecuador	2005	0.933601	0.891627
Ecuador	2006	0.935124	0.891747
Ecuador	2007	0.923045	0.875347
Ecuador	2008	0.908829	0.848903
Ecuador	2009	0.909745	0.838831
Ecuador	2010	0.905887	0.830621
Ecuador	2011	0.872038	0.795452
Ecuador	2012	0.948539	0.857824
Ecuador	2013	0.954923	0.857567
Ecuador	2014	0.945461	0.846159
Ecuador	2015	0.933084	0.834753

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Ecuador	2016	0.940996	0.838891
Ecuador	2017	0.946693	0.839503
Ecuador	2018	0.958062	0.848115
Ecuador	2019	0.982864	0.871573
Egypt	1990	1.352837	1.300901
Egypt	1991	1.345168	1.317427
Egypt	1992	1.356801	1.35033
Egypt	1993	1.359543	1.369332
Egypt	1994	1.336761	1.356111
Egypt	1995	1.314426	1.347094
Egypt	1996	1.356722	1.410277
Egypt	1997	1.367379	1.441698
Egypt	1998	1.367158	1.459711
Egypt	1999	1.357297	1.482505
Egypt	2000	1.355486	1.547564
Egypt	2001	1.340398	1.572534
Egypt	2002	1.300644	1.537725
Egypt	2003	1.241502	1.444409
Egypt	2004	1.231767	1.42514
Egypt	2005	1.259757	1.48129
Egypt	2006	1.273849	1.56127
Egypt	2007	1.241724	1.559132
Egypt	2008	1.2281	1.558302
Egypt	2009	1.221783	1.566194
Egypt	2010	1.223014	1.588974

Egypt	2011	1.166152	1.543971
Egypt	2012	1.181251	1.56277
Egypt	2013	1.128811	1.5249
Egypt	2014	1.142337	1.587852
Egypt	2015	1.165619	1.642986
Egypt	2016	1.160821	1.652987
Egypt	2017	1.148174	1.63138
Egypt	2018	1.137364	1.622527
Egypt	2019	1.124721	1.598394
El Salvador	1990	0.73088	0.628185
El Salvador	1991	0.70667	0.605372
El Salvador	1992	0.706118	0.602843
El Salvador	1993	0.690439	0.588379
El Salvador	1994	0.691847	0.586128
El Salvador	1995	0.625846	0.525309
El Salvador	1996	0.678738	0.566622
El Salvador	1997	0.642916	0.534002
El Salvador	1998	0.567219	0.466982
El Salvador	1999	0.592851	0.484268
El Salvador	2000	0.547509	0.443736
El Salvador	2001	0.570958	0.459772
El Salvador	2002	0.57284	0.458034
El Salvador	2003	0.540174	0.428803
El Salvador	2004	0.519341	0.408988
El Salvador	2005	0.506918	0.396288

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El Salvador	2006	0.491691	0.381601
El Salvador	2007	0.506517	0.390121
El Salvador	2008	0.5161	0.394159
El Salvador	2009	0.523686	0.396446
El Salvador	2010	0.551921	0.415391
El Salvador	2011	0.554047	0.414798
El Salvador	2012	0.581725	0.432742
El Salvador	2013	0.60464	0.447815
El Salvador	2014	0.563794	0.416177
El Salvador	2015	0.565509	0.415662
El Salvador	2016	0.560112	0.409023
El Salvador	2017	0.573525	0.415772
El Salvador	2018	0.589898	0.425152
El Salvador	2019	0.588189	0.420935
Equatorial Guinea	1990	0.633973	0.475046
Equatorial Guinea	1991	0.643732	0.476437
Equatorial Guinea	1992	0.648953	0.474689
Equatorial Guinea	1993	0.667183	0.482076
Equatorial Guinea	1994	0.685891	0.489868
Equatorial Guinea	1995	0.695666	0.493196
Equatorial Guinea	1996	0.719499	0.505742
Equatorial Guinea	1997	0.726417	0.506651
Equatorial Guinea	1998	0.743037	0.514358
Equatorial Guinea	1999	0.75764	0.522421
Equatorial Guinea	2000	0.771162	0.530608

Equatorial Guinea	2001	0.78625	0.541806
Equatorial Guinea	2002	0.813222	0.560839
Equatorial Guinea	2003	0.844645	0.586309
Equatorial Guinea	2004	0.864957	0.605754
Equatorial Guinea	2005	0.883082	0.624017
Equatorial Guinea	2006	0.89857	0.641249
Equatorial Guinea	2007	0.903298	0.651933
Equatorial Guinea	2008	0.921692	0.668859
Equatorial Guinea	2009	0.937131	0.689382
Equatorial Guinea	2010	0.954428	0.707902
Equatorial Guinea	2011	0.94896	0.713287
Equatorial Guinea	2012	0.934341	0.710454
Equatorial Guinea	2013	0.911668	0.701174
Equatorial Guinea	2014	0.904311	0.702942
Equatorial Guinea	2015	0.913769	0.712517
Equatorial Guinea	2016	0.908977	0.71704
Equatorial Guinea	2017	0.899726	0.715847
Equatorial Guinea	2018	0.895166	0.716091
Equatorial Guinea	2019	0.892762	0.716859
Eritrea	1990	0.677516	0.486014
Eritrea	1991	0.66837	0.481683
Eritrea	1992	0.653672	0.476384
Eritrea	1993	0.635299	0.468895
Eritrea	1994	0.617765	0.463212
Eritrea	1995	0.585629	0.44997



Eritrea	1996	0.592799	0.455702
Eritrea	1997	0.604464	0.46541
Eritrea	1998	0.622404	0.477271
Eritrea	1999	0.635233	0.488692
Eritrea	2000	0.652666	0.502612
Eritrea	2001	0.672426	0.51557
Eritrea	2002	0.682087	0.528655
Eritrea	2003	0.696141	0.540144
Eritrea	2004	0.706811	0.548242
Eritrea	2005	0.717387	0.555826
Eritrea	2006	0.721666	0.559545
Eritrea	2007	0.726562	0.563659
Eritrea	2008	0.729562	0.567179
Eritrea	2009	0.733471	0.571313
Eritrea	2010	0.736993	0.57369
Eritrea	2011	0.747012	0.581633
Eritrea	2012	0.75857	0.592977
Eritrea	2013	0.770296	0.603493
Eritrea	2014	0.780923	0.612417
Eritrea	2015	0.787631	0.620088
Eritrea	2016	0.794511	0.628143
Eritrea	2017	0.800615	0.636744
Eritrea	2018	0.801815	0.641395
Eritrea	2019	0.803849	0.647501
Estonia	1990	1.274667	0.544356

Estonia	1991	1.290002	0.556613
Estonia	1992	1.239721	0.541388
Estonia	1993	1.200974	0.542798
Estonia	1994	1.151173	0.550592
Estonia	1995	1.128166	0.54486
Estonia	1996	1.176935	0.562217
Estonia	1997	1.14876	0.552321
Estonia	1998	1.1261	0.544524
Estonia	1999	1.166972	0.555235
Estonia	2000	1.255561	0.597795
Estonia	2001	1.252541	0.599208
Estonia	2002	1.205019	0.568907
Estonia	2003	1.249495	0.580201
Estonia	2004	1.197993	0.548705
Estonia	2005	1.175965	0.531529
Estonia	2006	1.137999	0.513165
Estonia	2007	1.110521	0.499568
Estonia	2008	1.187032	0.526966
Estonia	2009	1.18254	0.520329
Estonia	2010	1.25962	0.543306
Estonia	2011	1.367921	0.587629
Estonia	2012	1.43354	0.605071
Estonia	2013	1.638015	0.678218
Estonia	2014	1.681019	0.688145
Estonia	2015	1.90245	0.76673

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5	Estonia	2016	1.966618	0.787203
6	Estonia	2017	1.978323	0.797514
7	Estonia	2018	1.945837	0.792401
8	Estonia	2019	1.91689	0.789282
9	Eswatini	1990	0.643432	0.445885
10	Eswatini	1991	0.655902	0.454929
11	Eswatini	1992	0.663034	0.459787
12	Eswatini	1993	0.659477	0.458163
13	Eswatini	1994	0.641934	0.450227
14	Eswatini	1995	0.629765	0.446376
15	Eswatini	1996	0.592986	0.428342
16	Eswatini	1997	0.575288	0.419633
17	Eswatini	1998	0.56769	0.418709
18	Eswatini	1999	0.58138	0.430021
19	Eswatini	2000	0.615204	0.455989
20	Eswatini	2001	0.622836	0.464538
21	Eswatini	2002	0.648366	0.482734
22	Eswatini	2003	0.645587	0.482052
23	Eswatini	2004	0.637776	0.475359
24	Eswatini	2005	0.637936	0.473051
25	Eswatini	2006	0.619484	0.459317
26	Eswatini	2007	0.596666	0.442398
27	Eswatini	2008	0.56799	0.420904
28	Eswatini	2009	0.549777	0.405457
29	Eswatini	2010	0.532729	0.390103
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Eswatini	2011	0.519468	0.377501
Eswatini	2012	0.512695	0.369766
Eswatini	2013	0.511534	0.36584
Eswatini	2014	0.513582	0.364059
Eswatini	2015	0.512443	0.360656
Eswatini	2016	0.510467	0.35706
Eswatini	2017	0.514681	0.357329
Eswatini	2018	0.519338	0.357931
Eswatini	2019	0.524167	0.358968
Ethiopia	1990	0.720756	0.703844
Ethiopia	1991	0.715509	0.706314
Ethiopia	1992	0.718831	0.717897
Ethiopia	1993	0.720067	0.728498
Ethiopia	1994	0.721361	0.73772
Ethiopia	1995	0.720699	0.743548
Ethiopia	1996	0.720125	0.749094
Ethiopia	1997	0.718258	0.753969
Ethiopia	1998	0.724515	0.767056
Ethiopia	1999	0.728246	0.775891
Ethiopia	2000	0.71538	0.766805
Ethiopia	2001	0.705973	0.758366
Ethiopia	2002	0.699858	0.754009
Ethiopia	2003	0.692711	0.749821
Ethiopia	2004	0.689158	0.749999
Ethiopia	2005	0.690604	0.752846

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Ethiopia	2006	0.682452	0.745788
Ethiopia	2007	0.671544	0.734216
Ethiopia	2008	0.659778	0.722532
Ethiopia	2009	0.65182	0.715305
Ethiopia	2010	0.643618	0.708825
Ethiopia	2011	0.641285	0.705564
Ethiopia	2012	0.633994	0.697198
Ethiopia	2013	0.62824	0.691475
Ethiopia	2014	0.626243	0.687038
Ethiopia	2015	0.625936	0.68562
Ethiopia	2016	0.629331	0.686995
Ethiopia	2017	0.638242	0.693243
Ethiopia	2018	0.645523	0.699145
Ethiopia	2019	0.651966	0.705008
Fiji	1990	0.73655	0.628208
Fiji	1991	0.723556	0.608009
Fiji	1992	0.714756	0.592527
Fiji	1993	0.705691	0.578871
Fiji	1994	0.69546	0.563871
Fiji	1995	0.691654	0.557138
Fiji	1996	0.700723	0.561307
Fiji	1997	0.704771	0.562422
Fiji	1998	0.706182	0.563969
Fiji	1999	0.687221	0.548343
Fiji	2000	0.689676	0.54438

Fiji	2001	0.674743	0.523954
Fiji	2002	0.714503	0.533768
Fiji	2003	0.766211	0.56517
Fiji	2004	0.772718	0.564366
Fiji	2005	0.738173	0.546633
Fiji	2006	0.729158	0.534349
Fiji	2007	0.744471	0.528667
Fiji	2008	0.779592	0.571697
Fiji	2009	0.799191	0.589837
Fiji	2010	0.774052	0.569211
Fiji	2011	0.744256	0.551047
Fiji	2012	0.721319	0.541473
Fiji	2013	0.719478	0.54105
Fiji	2014	0.721526	0.53809
Fiji	2015	0.728084	0.540392
Fiji	2016	0.734806	0.543516
Fiji	2017	0.741654	0.545391
Fiji	2018	0.748133	0.547693
Fiji	2019	0.754193	0.549577
Finland	1990	1.369762	0.651588
Finland	1991	1.404089	0.664806
Finland	1992	1.447397	0.683359
Finland	1993	1.473253	0.693502
Finland	1994	1.479108	0.699452
Finland	1995	1.437902	0.685172

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5	Finland	1996	1.4051	0.675676
6	Finland	1997	1.369332	0.663419
7	Finland	1998	1.273109	0.620794
8	Finland	1999	1.23956	0.605483
9	Finland	2000	1.255896	0.613356
10	Finland	2001	1.225525	0.599665
11	Finland	2002	1.211362	0.593411
12	Finland	2003	1.235058	0.606439
13	Finland	2004	1.240611	0.615839
14	Finland	2005	1.268837	0.630773
15	Finland	2006	1.315871	0.655994
16	Finland	2007	1.334793	0.667858
17	Finland	2008	1.346856	0.675729
18	Finland	2009	1.349785	0.681902
19	Finland	2010	1.368822	0.693519
20	Finland	2011	1.41426	0.719419
21	Finland	2012	1.442101	0.737073
22	Finland	2013	1.456253	0.75094
23	Finland	2014	1.463376	0.761748
24	Finland	2015	1.504316	0.790889
25	Finland	2016	1.486986	0.792614
26	Finland	2017	1.435595	0.779339
27	Finland	2018	1.41599	0.781929
28	Finland	2019	1.386159	0.777876
29	France	1990	1.124202	0.523527
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5	France	1991	1.122316	0.524504
6	France	1992	1.12034	0.524787
7	France	1993	1.117802	0.526191
8	France	1994	1.118268	0.528797
9	France	1995	1.112993	0.527024
10	France	1996	1.101909	0.522307
11	France	1997	1.105504	0.522596
12	France	1998	1.107177	0.530535
13	France	1999	1.10903	0.534938
14	France	2000	1.107854	0.537168
15	France	2001	1.110105	0.543565
16	France	2002	1.102	0.545481
17	France	2003	1.084393	0.542172
18	France	2004	1.077414	0.54228
19	France	2005	1.06193	0.535116
20	France	2006	1.067723	0.539183
21	France	2007	1.075779	0.545688
22	France	2008	1.090466	0.555471
23	France	2009	1.07957	0.551918
24	France	2010	1.086085	0.553398
25	France	2011	1.095191	0.55705
26	France	2012	1.104754	0.562202
27	France	2013	1.102879	0.564467
28	France	2014	1.10743	0.570799
29	France	2015	1.089102	0.563704
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5	France	2016	1.076047	0.555978
6	France	2017	1.062053	0.548646
7	France	2018	1.078987	0.558974
8	France	2019	1.072237	0.558669
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10	Gabon	1990	0.663018	0.510695
11	Gabon	1991	0.671655	0.519702
12	Gabon	1992	0.671388	0.52192
13	Gabon	1993	0.685336	0.532449
14	Gabon	1994	0.707166	0.549661
15	Gabon	1995	0.711069	0.555824
16	Gabon	1996	0.747609	0.582971
17	Gabon	1997	0.769173	0.598567
18	Gabon	1998	0.796265	0.617671
19	Gabon	1999	0.831864	0.641644
20	Gabon	2000	0.848369	0.653986
21	Gabon	2001	0.876541	0.676621
22	Gabon	2002	0.887885	0.685029
23	Gabon	2003	0.917659	0.709144
24	Gabon	2004	0.940511	0.72639
25	Gabon	2005	0.941471	0.727273
26	Gabon	2006	0.957229	0.739157
27	Gabon	2007	0.939534	0.730543
28	Gabon	2008	0.943992	0.736346
29	Gabon	2009	0.937137	0.731371
30	Gabon	2010	0.928266	0.72189
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5	Gabon	2011	0.931747	0.725053
6	Gabon	2012	0.920242	0.718091
7	Gabon	2013	0.907997	0.709801
8	Gabon	2014	0.913089	0.712937
9	Gabon	2015	0.921649	0.71807
10	Gabon	2016	0.920729	0.721385
11	Gabon	2017	0.921713	0.725495
12	Gabon	2018	0.922917	0.729617
13	Gabon	2019	0.923103	0.73276
14	Gambia	1990	0.755805	0.755747
15	Gambia	1991	0.756823	0.756088
16	Gambia	1992	0.758184	0.75924
17	Gambia	1993	0.758936	0.757261
18	Gambia	1994	0.755326	0.750572
19	Gambia	1995	0.753686	0.753222
20	Gambia	1996	0.751364	0.743599
21	Gambia	1997	0.749738	0.739091
22	Gambia	1998	0.750354	0.73916
23	Gambia	1999	0.743484	0.732456
24	Gambia	2000	0.74646	0.72468
25	Gambia	2001	0.746679	0.717698
26	Gambia	2002	0.747766	0.711503
27	Gambia	2003	0.752355	0.712861
28	Gambia	2004	0.755842	0.713817
29	Gambia	2005	0.755955	0.71042
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Gambia	2006	0.757416	0.705952
Gambia	2007	0.75523	0.700773
Gambia	2008	0.754458	0.692666
Gambia	2009	0.752537	0.689476
Gambia	2010	0.753068	0.686471
Gambia	2011	0.755772	0.679598
Gambia	2012	0.759236	0.680795
Gambia	2013	0.756697	0.679521
Gambia	2014	0.763619	0.690755
Gambia	2015	0.769482	0.692325
Gambia	2016	0.773885	0.699811
Gambia	2017	0.778738	0.706126
Gambia	2018	0.781179	0.70658
Gambia	2019	0.783745	0.708702
Georgia	1990	0.890262	0.542133
Georgia	1991	0.872831	0.536789
Georgia	1992	0.850246	0.525619
Georgia	1993	0.863035	0.531854
Georgia	1994	0.862277	0.535854
Georgia	1995	0.840688	0.527101
Georgia	1996	0.842497	0.532042
Georgia	1997	0.82724	0.521857
Georgia	1998	0.793438	0.501139
Georgia	1999	0.801938	0.500857
Georgia	2000	0.879865	0.543389

Georgia	2001	0.899387	0.565607
Georgia	2002	0.884306	0.551759
Georgia	2003	0.910865	0.563177
Georgia	2004	0.933848	0.577696
Georgia	2005	0.978952	0.607314
Georgia	2006	0.962763	0.605212
Georgia	2007	0.930799	0.599638
Georgia	2008	0.915016	0.592516
Georgia	2009	0.943313	0.605152
Georgia	2010	0.947623	0.596383
Georgia	2011	0.95614	0.599604
Georgia	2012	0.978096	0.606573
Georgia	2013	1.014494	0.623579
Georgia	2014	0.991503	0.604425
Georgia	2015	0.965315	0.584449
Georgia	2016	0.950849	0.575343
Georgia	2017	0.947486	0.573143
Georgia	2018	0.940168	0.571439
Georgia	2019	0.93624	0.569532
Germany	1990	1.487969	0.738576
Germany	1991	1.466275	0.722103
Germany	1992	1.461023	0.715904
Germany	1993	1.449296	0.70554
Germany	1994	1.444447	0.697681
Germany	1995	1.444922	0.689009

Germany	1996	1.453565	0.686347
Germany	1997	1.483836	0.696893
Germany	1998	1.514594	0.710752
Germany	1999	1.533725	0.718637
Germany	2000	1.553591	0.722254
Germany	2001	1.573124	0.730431
Germany	2002	1.582824	0.736649
Germany	2003	1.574148	0.73842
Germany	2004	1.599898	0.756378
Germany	2005	1.612897	0.768233
Germany	2006	1.602888	0.772032
Germany	2007	1.593446	0.782936
Germany	2008	1.578264	0.792426
Germany	2009	1.556308	0.796146
Germany	2010	1.52725	0.787571
Germany	2011	1.537922	0.783764
Germany	2012	1.527116	0.781158
Germany	2013	1.517234	0.781468
Germany	2014	1.517122	0.78274
Germany	2015	1.509834	0.785566
Germany	2016	1.518061	0.798449
Germany	2017	1.476666	0.804041
Germany	2018	1.444126	0.80565
Germany	2019	1.416778	0.808654
Ghana	1990	1.389388	1.181071

Ghana	1991	1.395297	1.186086
Ghana	1992	1.406856	1.198388
Ghana	1993	1.408088	1.203505
Ghana	1994	1.396314	1.196408
Ghana	1995	1.382803	1.186929
Ghana	1996	1.372057	1.179342
Ghana	1997	1.34008	1.155532
Ghana	1998	1.304774	1.127515
Ghana	1999	1.250913	1.082697
Ghana	2000	1.228704	1.061556
Ghana	2001	1.221506	1.049951
Ghana	2002	1.201741	1.027726
Ghana	2003	1.174967	1.001459
Ghana	2004	1.13319	0.962102
Ghana	2005	1.104291	0.932732
Ghana	2006	1.079481	0.906283
Ghana	2007	1.070195	0.892958
Ghana	2008	1.057559	0.875779
Ghana	2009	1.052341	0.864954
Ghana	2010	1.05498	0.860277
Ghana	2011	1.049814	0.85044
Ghana	2012	1.043791	0.839396
Ghana	2013	1.043172	0.832323
Ghana	2014	1.057851	0.837805
Ghana	2015	1.068515	0.839101

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Ghana	2016	1.087431	0.848637
Ghana	2017	1.108864	0.860005
Ghana	2018	1.125883	0.868676
Ghana	2019	1.142967	0.877856
Greece	1990	1.161016	0.870098
Greece	1991	1.167773	0.882825
Greece	1992	1.161076	0.883274
Greece	1993	1.161909	0.888873
Greece	1994	1.167579	0.899013
Greece	1995	1.161049	0.897684
Greece	1996	1.147164	0.891019
Greece	1997	1.144252	0.892744
Greece	1998	1.149091	0.900029
Greece	1999	1.119722	0.880614
Greece	2000	1.101564	0.871094
Greece	2001	1.115135	0.886731
Greece	2002	1.140613	0.916072
Greece	2003	1.15732	0.940811
Greece	2004	1.159749	0.955428
Greece	2005	1.163923	0.972318
Greece	2006	1.182637	0.993248
Greece	2007	1.175831	0.97592
Greece	2008	1.190464	0.969062
Greece	2009	1.153453	0.941996
Greece	2010	1.136643	0.928388

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5	Greece	2011	1.105891	0.892206
6	Greece	2012	1.086592	0.867041
7	Greece	2013	1.079777	0.850836
8	Greece	2014	1.04619	0.814348
9	Greece	2015	1.030625	0.789385
10	Greece	2016	1.028167	0.775855
11	Greece	2017	1.037304	0.773643
12	Greece	2018	1.091329	0.802598
13	Greece	2019	1.105053	0.80773
14	Greenland	1990	0.849346	0.693694
15	Greenland	1991	0.859043	0.699506
16	Greenland	1992	0.874645	0.708875
17	Greenland	1993	1.013236	0.83206
18	Greenland	1994	1.037787	0.873406
19	Greenland	1995	1.033608	0.886208
20	Greenland	1996	1.060839	0.925261
21	Greenland	1997	1.091328	0.971297
22	Greenland	1998	1.046899	0.961443
23	Greenland	1999	0.997845	0.942449
24	Greenland	2000	0.94211	0.901702
25	Greenland	2001	0.936488	0.907813
26	Greenland	2002	0.927296	0.904154
27	Greenland	2003	0.835465	0.819147
28	Greenland	2004	0.69175	0.688599
29	Greenland	2005	0.709612	0.700803
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Greenland	2006	0.706598	0.692802
Greenland	2007	0.705793	0.686308
Greenland	2008	0.700539	0.680087
Greenland	2009	0.683503	0.668978
Greenland	2010	0.672699	0.652435
Greenland	2011	0.660619	0.635534
Greenland	2012	0.635943	0.609095
Greenland	2013	0.625224	0.595312
Greenland	2014	0.621571	0.594696
Greenland	2015	0.622625	0.590524
Greenland	2016	0.63024	0.59461
Greenland	2017	0.631927	0.596305
Greenland	2018	0.636475	0.598319
Greenland	2019	0.633015	0.600239
Grenada	1990	0.797821	0.554947
Grenada	1991	0.791908	0.547582
Grenada	1992	0.797965	0.545611
Grenada	1993	0.866844	0.585903
Grenada	1994	0.868726	0.585653
Grenada	1995	0.866269	0.584739
Grenada	1996	0.831677	0.564078
Grenada	1997	0.811707	0.552665
Grenada	1998	0.799312	0.544226
Grenada	1999	0.688282	0.455645
Grenada	2000	0.68774	0.439827

Grenada	2001	0.702495	0.43759
Grenada	2002	0.711655	0.432377
Grenada	2003	0.71962	0.428494
Grenada	2004	0.732755	0.430247
Grenada	2005	0.760413	0.437206
Grenada	2006	0.78936	0.443967
Grenada	2007	0.822661	0.462776
Grenada	2008	0.842693	0.483301
Grenada	2009	0.882412	0.508339
Grenada	2010	0.903844	0.527307
Grenada	2011	0.928404	0.573847
Grenada	2012	1.001204	0.718206
Grenada	2013	0.981917	0.7194
Grenada	2014	0.951772	0.711073
Grenada	2015	0.919374	0.703207
Grenada	2016	0.859129	0.659112
Grenada	2017	0.835568	0.652602
Grenada	2018	0.826236	0.657412
Grenada	2019	0.810856	0.655619
Guam	1990	1.204419	1.189679
Guam	1991	1.208766	1.188058
Guam	1992	1.195287	1.167342
Guam	1993	1.16717	1.105228
Guam	1994	1.107875	1.004316
Guam	1995	1.172072	1.084015

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Guam	1996	1.186921	1.127987
Guam	1997	1.133647	1.085355
Guam	1998	1.1296	1.075936
Guam	1999	1.158874	1.091652
Guam	2000	1.174389	1.100938
Guam	2001	1.203948	1.136096
Guam	2002	1.200842	1.132682
Guam	2003	1.238955	1.160038
Guam	2004	1.113806	1.021279
Guam	2005	0.964523	0.850896
Guam	2006	0.944381	0.819772
Guam	2007	0.929106	0.797947
Guam	2008	0.923572	0.78604
Guam	2009	0.931624	0.788499
Guam	2010	0.940753	0.797387
Guam	2011	0.956968	0.812158
Guam	2012	0.983131	0.836726
Guam	2013	1.004146	0.860112
Guam	2014	1.001106	0.863148
Guam	2015	1.003953	0.86564
Guam	2016	0.994553	0.85511
Guam	2017	1.009881	0.866865
Guam	2018	1.025338	0.885139
Guam	2019	1.062923	0.918484
Guatemala	1990	0.953023	0.953895

Guatemala	1991	0.933729	0.929254
Guatemala	1992	0.92926	0.918512
Guatemala	1993	0.914013	0.90221
Guatemala	1994	0.896312	0.885135
Guatemala	1995	0.890006	0.871973
Guatemala	1996	0.901921	0.86863
Guatemala	1997	0.899852	0.857182
Guatemala	1998	0.872046	0.812846
Guatemala	1999	0.865173	0.791137
Guatemala	2000	0.863256	0.781043
Guatemala	2001	0.820782	0.743524
Guatemala	2002	0.83644	0.740421
Guatemala	2003	0.84415	0.738636
Guatemala	2004	0.843046	0.720606
Guatemala	2005	0.838576	0.707155
Guatemala	2006	0.856915	0.71003
Guatemala	2007	0.868494	0.712748
Guatemala	2008	0.88503	0.714982
Guatemala	2009	0.910003	0.728899
Guatemala	2010	0.930968	0.739534
Guatemala	2011	0.943079	0.746912
Guatemala	2012	0.956022	0.754441
Guatemala	2013	0.95592	0.752758
Guatemala	2014	0.970023	0.757865
Guatemala	2015	0.969041	0.752183

Guatemala	2016	0.983854	0.758866
Guatemala	2017	0.994562	0.768067
Guatemala	2018	0.99077	0.763013
Guatemala	2019	0.995586	0.764309
Guinea-Bissau	1990	0.748122	0.670412
Guinea-Bissau	1991	0.75664	0.671111
Guinea-Bissau	1992	0.764453	0.671795
Guinea-Bissau	1993	0.770896	0.671429
Guinea-Bissau	1994	0.775841	0.67024
Guinea-Bissau	1995	0.778009	0.667293
Guinea-Bissau	1996	0.781511	0.664792
Guinea-Bissau	1997	0.784534	0.662213
Guinea-Bissau	1998	0.781983	0.655103
Guinea-Bissau	1999	0.773202	0.643304
Guinea-Bissau	2000	0.774928	0.639101
Guinea-Bissau	2001	0.769671	0.63055
Guinea-Bissau	2002	0.776817	0.632411
Guinea-Bissau	2003	0.783424	0.634572
Guinea-Bissau	2004	0.781804	0.630986
Guinea-Bissau	2005	0.777461	0.625183
Guinea-Bissau	2006	0.785814	0.629214
Guinea-Bissau	2007	0.790956	0.63183
Guinea-Bissau	2008	0.789619	0.630173
Guinea-Bissau	2009	0.791031	0.630407
Guinea-Bissau	2010	0.788492	0.627204

Guinea-Bissau	2011	0.780258	0.621232
Guinea-Bissau	2012	0.77979	0.621828
Guinea-Bissau	2013	0.775523	0.619504
Guinea-Bissau	2014	0.781231	0.623934
Guinea-Bissau	2015	0.785211	0.627208
Guinea-Bissau	2016	0.790123	0.632173
Guinea-Bissau	2017	0.794982	0.636694
Guinea-Bissau	2018	0.794557	0.636869
Guinea-Bissau	2019	0.79691	0.639962
Guinea	1990	1.106482	1.06805
Guinea	1991	1.101821	1.062402
Guinea	1992	1.092566	1.051668
Guinea	1993	1.079614	1.036735
Guinea	1994	1.063496	1.018359
Guinea	1995	1.044157	0.994427
Guinea	1996	1.023563	0.970226
Guinea	1997	1.003974	0.94782
Guinea	1998	0.984752	0.924564
Guinea	1999	0.959149	0.894479
Guinea	2000	0.948271	0.875656
Guinea	2001	0.93673	0.86105
Guinea	2002	0.926789	0.848561
Guinea	2003	0.921873	0.840532
Guinea	2004	0.914807	0.83004
Guinea	2005	0.909379	0.821056

Guinea	2006	0.897855	0.809873
Guinea	2007	0.88313	0.797058
Guinea	2008	0.8682	0.784253
Guinea	2009	0.856308	0.774402
Guinea	2010	0.844945	0.765219
Guinea	2011	0.838392	0.761209
Guinea	2012	0.832401	0.75916
Guinea	2013	0.825926	0.757267
Guinea	2014	0.825605	0.761087
Guinea	2015	0.827532	0.766111
Guinea	2016	0.830462	0.774096
Guinea	2017	0.833695	0.783024
Guinea	2018	0.834033	0.789338
Guinea	2019	0.836231	0.796133
Guyana	1990	0.804795	0.730845
Guyana	1991	0.825743	0.745172
Guyana	1992	0.815942	0.730925
Guyana	1993	0.815344	0.715393
Guyana	1994	0.833385	0.730953
Guyana	1995	0.82273	0.725093
Guyana	1996	0.826799	0.72395
Guyana	1997	0.801758	0.710721
Guyana	1998	0.804478	0.710939
Guyana	1999	0.816289	0.717467
Guyana	2000	0.851078	0.75824

Guyana	2001	0.856085	0.770243
Guyana	2002	0.868114	0.792286
Guyana	2003	0.88199	0.808553
Guyana	2004	0.881747	0.805175
Guyana	2005	0.876973	0.799695
Guyana	2006	0.86259	0.785305
Guyana	2007	0.871755	0.796174
Guyana	2008	0.866064	0.79292
Guyana	2009	0.856384	0.776095
Guyana	2010	0.870928	0.791752
Guyana	2011	0.864618	0.787339
Guyana	2012	0.858249	0.769835
Guyana	2013	0.868019	0.754845
Guyana	2014	0.883459	0.756936
Guyana	2015	0.904528	0.783773
Guyana	2016	0.909773	0.785122
Guyana	2017	0.907778	0.779852
Guyana	2018	0.916706	0.792253
Guyana	2019	0.917252	0.792395
Haiti	1990	0.848252	0.694669
Haiti	1991	0.851834	0.699622
Haiti	1992	0.858366	0.705985
Haiti	1993	0.868323	0.715498
Haiti	1994	0.889488	0.733226
Haiti	1995	0.884666	0.730909



Haiti	1996	0.885902	0.73329
Haiti	1997	0.88977	0.737561
Haiti	1998	0.897728	0.746391
Haiti	1999	0.918178	0.763662
Haiti	2000	0.933843	0.777576
Haiti	2001	0.952387	0.793799
Haiti	2002	0.965378	0.805915
Haiti	2003	0.979128	0.818581
Haiti	2004	0.996137	0.833853
Haiti	2005	1.011615	0.848181
Haiti	2006	1.003287	0.843106
Haiti	2007	0.991817	0.835123
Haiti	2008	0.977956	0.825209
Haiti	2009	0.969319	0.818318
Haiti	2010	0.971384	0.814256
Haiti	2011	0.977353	0.812342
Haiti	2012	0.970589	0.807299
Haiti	2013	0.964412	0.801409
Haiti	2014	0.961933	0.797931
Haiti	2015	0.961316	0.795943
Haiti	2016	0.958705	0.793089
Haiti	2017	0.953425	0.7883
Haiti	2018	0.949688	0.78419
Haiti	2019	0.950462	0.784143
Honduras	1990	0.931423	0.792876

Honduras	1991	0.893526	0.757388
Honduras	1992	0.98682	0.839842
Honduras	1993	0.96852	0.824803
Honduras	1994	0.959285	0.818048
Honduras	1995	1.132512	0.982388
Honduras	1996	1.204171	1.080562
Honduras	1997	1.196654	1.084657
Honduras	1998	1.188782	1.087144
Honduras	1999	1.177838	1.086961
Honduras	2000	1.167179	1.085797
Honduras	2001	1.166044	1.09074
Honduras	2002	1.190753	1.118393
Honduras	2003	1.220312	1.149288
Honduras	2004	1.21409	1.147758
Honduras	2005	1.210856	1.145859
Honduras	2006	1.206554	1.142104
Honduras	2007	1.201772	1.137077
Honduras	2008	1.193002	1.129034
Honduras	2009	1.17622	1.114785
Honduras	2010	1.158652	1.099057
Honduras	2011	1.132415	1.071005
Honduras	2012	1.049605	0.966428
Honduras	2013	1.061289	0.964852
Honduras	2014	1.072882	0.964053
Honduras	2015	1.084842	0.9635

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Honduras	2016	1.097255	0.964191
Honduras	2017	1.113633	0.969835
Honduras	2018	1.133398	0.979179
Honduras	2019	1.150707	0.987235
Hungary	1990	1.248905	0.783216
Hungary	1991	1.273197	0.788897
Hungary	1992	1.235009	0.764683
Hungary	1993	1.231176	0.75623
Hungary	1994	1.207315	0.733594
Hungary	1995	1.224856	0.735564
Hungary	1996	1.257931	0.743862
Hungary	1997	1.308379	0.767016
Hungary	1998	1.328475	0.772198
Hungary	1999	1.338323	0.77329
Hungary	2000	1.35984	0.776331
Hungary	2001	1.359909	0.773614
Hungary	2002	1.345923	0.763105
Hungary	2003	1.355023	0.763996
Hungary	2004	1.373922	0.770584
Hungary	2005	1.367215	0.760508
Hungary	2006	1.414381	0.777394
Hungary	2007	1.476528	0.803333
Hungary	2008	1.536635	0.823527
Hungary	2009	1.559169	0.826695
Hungary	2010	1.632679	0.854821

Hungary	2011	1.687514	0.88035
Hungary	2012	1.701139	0.882161
Hungary	2013	1.757902	0.906339
Hungary	2014	1.755502	0.906485
Hungary	2015	1.78418	0.922637
Hungary	2016	1.735478	0.893355
Hungary	2017	1.75693	0.901822
Hungary	2018	1.744163	0.896852
Hungary	2019	1.776262	0.914186
Iceland	1990	0.893067	0.617346
Iceland	1991	0.898833	0.619624
Iceland	1992	0.904815	0.624484
Iceland	1993	0.906251	0.624472
Iceland	1994	0.900378	0.620242
Iceland	1995	0.886218	0.609419
Iceland	1996	0.865607	0.592359
Iceland	1997	0.86581	0.590292
Iceland	1998	0.87148	0.58898
Iceland	1999	0.88968	0.596646
Iceland	2000	0.939133	0.627518
Iceland	2001	0.946968	0.636139
Iceland	2002	0.918585	0.619865
Iceland	2003	0.932633	0.628488
Iceland	2004	0.943794	0.63412
Iceland	2005	0.920771	0.620702

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Iceland	2006	0.875513	0.592684
Iceland	2007	0.828134	0.560027
Iceland	2008	0.813439	0.547711
Iceland	2009	0.797623	0.532781
Iceland	2010	0.792424	0.527124
Iceland	2011	0.797199	0.526861
Iceland	2012	0.781397	0.512562
Iceland	2013	0.816639	0.53432
Iceland	2014	0.891672	0.581795
Iceland	2015	0.868086	0.571245
Iceland	2016	0.841589	0.554825
Iceland	2017	0.799747	0.529264
Iceland	2018	0.791315	0.524633
Iceland	2019	0.793979	0.527376
India	1990	0.67198	0.651392
India	1991	0.664991	0.649046
India	1992	0.677239	0.659893
India	1993	0.668435	0.653609
India	1994	0.664197	0.64799
India	1995	0.665584	0.647018
India	1996	0.664089	0.640755
India	1997	0.665254	0.640588
India	1998	0.672932	0.647828
India	1999	0.667927	0.643606
India	2000	0.650053	0.62195

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5	India	2001	0.648807	0.6203
6	India	2002	0.645959	0.616526
7	India	2003	0.627599	0.596667
8	India	2004	0.61961	0.587071
9	India	2005	0.617428	0.584254
10	India	2006	0.621215	0.591136
11	India	2007	0.62422	0.595923
12	India	2008	0.614686	0.585389
13	India	2009	0.615543	0.579393
14	India	2010	0.627674	0.58403
15	India	2011	0.631651	0.587956
16	India	2012	0.643951	0.600207
17	India	2013	0.668672	0.612078
18	India	2014	0.697766	0.627543
19	India	2015	0.726946	0.655171
20	India	2016	0.727723	0.661042
21	India	2017	0.728097	0.663525
22	India	2018	0.72818	0.659649
23	India	2019	0.732114	0.664084
24	Indonesia	1990	0.904475	0.805626
25	Indonesia	1991	0.89592	0.79993
26	Indonesia	1992	0.891139	0.796224
27	Indonesia	1993	0.896197	0.800503
28	Indonesia	1994	0.901232	0.804676
29	Indonesia	1995	0.910442	0.812309
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Indonesia	1996	0.920734	0.822294
Indonesia	1997	0.925581	0.826452
Indonesia	1998	0.926823	0.827526
Indonesia	1999	0.927296	0.82819
Indonesia	2000	0.921737	0.824503
Indonesia	2001	0.909081	0.815638
Indonesia	2002	0.901911	0.810925
Indonesia	2003	0.900123	0.810677
Indonesia	2004	0.895603	0.807667
Indonesia	2005	0.891928	0.804423
Indonesia	2006	0.887582	0.802247
Indonesia	2007	0.88547	0.801573
Indonesia	2008	0.871184	0.787266
Indonesia	2009	0.857157	0.773813
Indonesia	2010	0.84432	0.761141
Indonesia	2011	0.825542	0.744336
Indonesia	2012	0.794104	0.715721
Indonesia	2013	0.771454	0.694276
Indonesia	2014	0.746281	0.67051
Indonesia	2015	0.731324	0.656279
Indonesia	2016	0.726472	0.653465
Indonesia	2017	0.727428	0.654714
Indonesia	2018	0.726543	0.654163
Indonesia	2019	0.725323	0.653072
Iran (Islamic Republic of)	1990	0.846309	0.884767

Iran (Islamic Republic of)	1991	0.850062	0.895933
Iran (Islamic Republic of)	1992	0.845513	0.897431
Iran (Islamic Republic of)	1993	0.850854	0.909371
Iran (Islamic Republic of)	1994	0.846549	0.911123
Iran (Islamic Republic of)	1995	0.850514	0.921504
Iran (Islamic Republic of)	1996	0.865414	0.943133
Iran (Islamic Republic of)	1997	0.868181	0.951728
Iran (Islamic Republic of)	1998	0.872144	0.960851
Iran (Islamic Republic of)	1999	0.866475	0.958325
Iran (Islamic Republic of)	2000	0.887477	0.985288
Iran (Islamic Republic of)	2001	0.899208	1.00184
Iran (Islamic Republic of)	2002	0.886266	0.98971
Iran (Islamic Republic of)	2003	0.872632	0.974236
Iran (Islamic Republic of)	2004	0.871049	0.970715
Iran (Islamic Republic of)	2005	0.871362	0.967471
Iran (Islamic Republic of)	2006	0.858624	0.948691
Iran (Islamic Republic of)	2007	0.840085	0.919136
Iran (Islamic Republic of)	2008	0.829588	0.900372
Iran (Islamic Republic of)	2009	0.824816	0.888598
Iran (Islamic Republic of)	2010	0.826351	0.879267
Iran (Islamic Republic of)	2011	0.825291	0.871341
Iran (Islamic Republic of)	2012	0.823102	0.865946
Iran (Islamic Republic of)	2013	0.839203	0.883214
Iran (Islamic Republic of)	2014	0.858072	0.903726
Iran (Islamic Republic of)	2015	0.87411	0.919495



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5	Iran (Islamic Republic of)	2016	0.89088	0.937536
6	Iran (Islamic Republic of)	2017	0.901889	0.949128
7	Iran (Islamic Republic of)	2018	0.906975	0.953392
8	Iran (Islamic Republic of)	2019	0.915692	0.961205
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10	Iraq	1990	1.038715	0.921613
11	Iraq	1991	1.028035	0.91066
12	Iraq	1992	1.015177	0.901312
13	Iraq	1993	0.996418	0.884872
14	Iraq	1994	0.978218	0.864977
15	Iraq	1995	0.970719	0.857555
16	Iraq	1996	0.96171	0.847265
17	Iraq	1997	0.947098	0.832703
18	Iraq	1998	0.932334	0.819284
19	Iraq	1999	0.923562	0.811365
20	Iraq	2000	0.916529	0.805188
21	Iraq	2001	0.912447	0.800956
22	Iraq	2002	0.91232	0.799917
23	Iraq	2003	0.912054	0.799067
24	Iraq	2004	0.919368	0.806158
25	Iraq	2005	0.923599	0.808822
26	Iraq	2006	0.932396	0.814381
27	Iraq	2007	0.932736	0.812761
28	Iraq	2008	0.928361	0.808737
29	Iraq	2009	0.91609	0.797203
30	Iraq	2010	0.898317	0.779174
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Iraq	2011	0.886643	0.769248
Iraq	2012	0.873397	0.75733
Iraq	2013	0.859141	0.744408
Iraq	2014	0.849341	0.734867
Iraq	2015	0.848791	0.733316
Iraq	2016	0.849734	0.733889
Iraq	2017	0.850296	0.733783
Iraq	2018	0.838897	0.725088
Iraq	2019	0.823535	0.707666
Ireland	1990	0.990332	0.642532
Ireland	1991	1.01067	0.652745
Ireland	1992	1.005023	0.645801
Ireland	1993	0.997892	0.639265
Ireland	1994	1.016307	0.644885
Ireland	1995	1.014649	0.636152
Ireland	1996	1.000293	0.620096
Ireland	1997	1.020021	0.631417
Ireland	1998	1.031917	0.637105
Ireland	1999	1.024805	0.629057
Ireland	2000	1.008419	0.613226
Ireland	2001	1.019148	0.611967
Ireland	2002	1.021805	0.615345
Ireland	2003	1.021697	0.61487
Ireland	2004	1.005065	0.60004
Ireland	2005	1.045104	0.620705

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Ireland	2006	1.067788	0.636154
Ireland	2007	1.052256	0.630424
Ireland	2008	1.038694	0.625566
Ireland	2009	1.017066	0.619329
Ireland	2010	1.018538	0.623428
Ireland	2011	1.012795	0.627264
Ireland	2012	0.975791	0.606707
Ireland	2013	0.943072	0.590724
Ireland	2014	0.941779	0.595064
Ireland	2015	0.952201	0.609346
Ireland	2016	0.942132	0.61169
Ireland	2017	0.933334	0.615757
Ireland	2018	0.93453	0.626241
Ireland	2019	0.920745	0.626484
Israel	1990	0.94219	0.786904
Israel	1991	0.919965	0.762573
Israel	1992	0.917957	0.753597
Israel	1993	0.919162	0.74611
Israel	1994	0.919964	0.740401
Israel	1995	0.89525	0.714392
Israel	1996	0.885476	0.706356
Israel	1997	0.869098	0.688093
Israel	1998	0.857361	0.667378
Israel	1999	0.855316	0.658138
Israel	2000	0.841052	0.644188

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5	Israel	2001	0.848966	0.6474
6	Israel	2002	0.849254	0.644365
7	Israel	2003	0.849257	0.639475
8	Israel	2004	0.858922	0.643102
9	Israel	2005	0.861348	0.642839
10	Israel	2006	0.870257	0.648499
11	Israel	2007	0.877613	0.649739
12	Israel	2008	0.887024	0.649546
13	Israel	2009	0.903354	0.655117
14	Israel	2010	0.894466	0.645255
15	Israel	2011	0.916316	0.659221
16	Israel	2012	0.908112	0.649691
17	Israel	2013	0.919164	0.653967
18	Israel	2014	0.917547	0.649284
19	Israel	2015	0.902198	0.636174
20	Israel	2016	0.931438	0.657062
21	Israel	2017	0.929475	0.656012
22	Israel	2018	0.923335	0.653248
23	Israel	2019	0.923192	0.655589
24	Italy	1990	1.090376	0.643927
25	Italy	1991	1.081423	0.637552
26	Italy	1992	1.078447	0.634752
27	Italy	1993	1.088728	0.638461
28	Italy	1994	1.092486	0.639173
29	Italy	1995	1.104435	0.642915
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Italy	1996	1.115154	0.644873
Italy	1997	1.121742	0.644068
Italy	1998	1.130953	0.645348
Italy	1999	1.141682	0.646889
Italy	2000	1.166232	0.654341
Italy	2001	1.182466	0.657137
Italy	2002	1.207321	0.66463
Italy	2003	1.209099	0.6605
Italy	2004	1.216337	0.660522
Italy	2005	1.211844	0.651899
Italy	2006	1.208596	0.644847
Italy	2007	1.210034	0.642825
Italy	2008	1.223902	0.648972
Italy	2009	1.227047	0.651423
Italy	2010	1.241487	0.658229
Italy	2011	1.256087	0.66503
Italy	2012	1.269111	0.672045
Italy	2013	1.262556	0.669897
Italy	2014	1.259651	0.670649
Italy	2015	1.248791	0.665998
Italy	2016	1.241213	0.662825
Italy	2017	1.220767	0.657356
Italy	2018	1.222834	0.665099
Italy	2019	1.210609	0.666333
Jamaica	1990	0.636078	0.518682

Jamaica	1991	0.692646	0.56671
Jamaica	1992	0.687608	0.56459
Jamaica	1993	0.690036	0.566605
Jamaica	1994	0.708948	0.583474
Jamaica	1995	0.731778	0.602656
Jamaica	1996	0.755209	0.621615
Jamaica	1997	0.780986	0.641921
Jamaica	1998	0.780952	0.642028
Jamaica	1999	0.813121	0.665991
Jamaica	2000	0.899106	0.732146
Jamaica	2001	0.899379	0.732191
Jamaica	2002	0.891943	0.735452
Jamaica	2003	0.881381	0.726775
Jamaica	2004	0.900935	0.744511
Jamaica	2005	0.913895	0.76107
Jamaica	2006	0.88166	0.736568
Jamaica	2007	0.74946	0.632214
Jamaica	2008	0.637378	0.539676
Jamaica	2009	0.588224	0.494132
Jamaica	2010	0.715381	0.601316
Jamaica	2011	0.647498	0.544749
Jamaica	2012	0.7813	0.660719
Jamaica	2013	0.79124	0.671617
Jamaica	2014	0.762489	0.646836
Jamaica	2015	0.756701	0.64138

Jamaica	2016	0.739837	0.632018
Jamaica	2017	0.737952	0.631909
Jamaica	2018	0.739624	0.63439
Jamaica	2019	0.76193	0.654431
Japan	1990	1.071062	0.680444
Japan	1991	1.070475	0.67287
Japan	1992	1.076246	0.669168
Japan	1993	1.085941	0.668386
Japan	1994	1.096482	0.668363
Japan	1995	1.098415	0.665185
Japan	1996	1.116045	0.671318
Japan	1997	1.116951	0.666228
Japan	1998	1.100232	0.650244
Japan	1999	1.085048	0.634718
Japan	2000	1.077853	0.623941
Japan	2001	1.078097	0.617512
Japan	2002	1.081282	0.611892
Japan	2003	1.076595	0.602602
Japan	2004	1.086712	0.601979
Japan	2005	1.079257	0.590908
Japan	2006	1.089796	0.590608
Japan	2007	1.081004	0.581309
Japan	2008	1.068997	0.570964
Japan	2009	1.047886	0.557176
Japan	2010	1.039781	0.550218

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5	Japan	2011	1.059746	0.558397
6	Japan	2012	1.071226	0.562936
7	Japan	2013	1.081946	0.568402
8	Japan	2014	1.09023	0.573894
9	Japan	2015	1.09495	0.573838
10	Japan	2016	1.105279	0.578573
11	Japan	2017	1.106388	0.579657
12	Japan	2018	1.120202	0.588741
13	Japan	2019	1.123565	0.592949
14	Jordan	1990	1.243774	1.278353
15	Jordan	1991	1.271979	1.323684
16	Jordan	1992	1.212918	1.282366
17	Jordan	1993	1.233106	1.313997
18	Jordan	1994	1.211054	1.303852
19	Jordan	1995	1.231809	1.332617
20	Jordan	1996	1.284041	1.392659
21	Jordan	1997	1.287126	1.406764
22	Jordan	1998	1.308754	1.439609
23	Jordan	1999	1.333204	1.476799
24	Jordan	2000	1.358915	1.522114
25	Jordan	2001	1.404458	1.596437
26	Jordan	2002	1.427616	1.644192
27	Jordan	2003	1.421953	1.638204
28	Jordan	2004	1.479769	1.729284
29	Jordan	2005	1.497596	1.826894
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Jordan	2006	1.443136	1.794166
Jordan	2007	1.234151	1.483146
Jordan	2008	1.106929	1.285829
Jordan	2009	1.019138	1.165059
Jordan	2010	0.948687	1.067889
Jordan	2011	0.940285	1.066222
Jordan	2012	0.951527	1.102951
Jordan	2013	0.966647	1.159036
Jordan	2014	0.973437	1.182669
Jordan	2015	0.936691	1.117044
Jordan	2016	0.952236	1.138096
Jordan	2017	0.970198	1.166857
Jordan	2018	0.973143	1.154724
Jordan	2019	0.982615	1.164998
Kazakhstan	1990	0.999933	0.671258
Kazakhstan	1991	0.981541	0.660741
Kazakhstan	1992	0.97938	0.666346
Kazakhstan	1993	0.981365	0.670065
Kazakhstan	1994	0.974429	0.669119
Kazakhstan	1995	0.950401	0.661327
Kazakhstan	1996	0.930785	0.656143
Kazakhstan	1997	0.943874	0.664252
Kazakhstan	1998	0.935451	0.657537
Kazakhstan	1999	0.926939	0.650073
Kazakhstan	2000	0.886229	0.629965

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5	Kazakhstan	2001	0.881548	0.629943
6	Kazakhstan	2002	0.869182	0.618695
7	Kazakhstan	2003	0.840973	0.59763
8	Kazakhstan	2004	0.821565	0.586984
9	Kazakhstan	2005	0.821461	0.589292
10	Kazakhstan	2006	0.811659	0.58123
11	Kazakhstan	2007	0.818429	0.578066
12	Kazakhstan	2008	0.839521	0.583216
13	Kazakhstan	2009	0.85267	0.585487
14	Kazakhstan	2010	0.851782	0.57773
15	Kazakhstan	2011	0.848325	0.564973
16	Kazakhstan	2012	0.849505	0.555703
17	Kazakhstan	2013	0.851565	0.5504
18	Kazakhstan	2014	0.822531	0.523314
19	Kazakhstan	2015	0.844378	0.529259
20	Kazakhstan	2016	0.839327	0.522411
21	Kazakhstan	2017	0.844597	0.520727
22	Kazakhstan	2018	0.828471	0.515002
23	Kazakhstan	2019	0.852281	0.536614
24	Kenya	1990	0.707017	0.669507
25	Kenya	1991	0.695049	0.65375
26	Kenya	1992	0.684015	0.637947
27	Kenya	1993	0.671695	0.620169
28	Kenya	1994	0.665955	0.607842
29	Kenya	1995	0.656889	0.59345
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Kenya	1996	0.646414	0.578509
Kenya	1997	0.645358	0.571636
Kenya	1998	0.63756	0.559602
Kenya	1999	0.632168	0.549598
Kenya	2000	0.629263	0.542961
Kenya	2001	0.63245	0.542569
Kenya	2002	0.638176	0.545642
Kenya	2003	0.642005	0.548332
Kenya	2004	0.640791	0.547412
Kenya	2005	0.640905	0.546741
Kenya	2006	0.638279	0.544025
Kenya	2007	0.639843	0.544383
Kenya	2008	0.641193	0.544797
Kenya	2009	0.64706	0.549628
Kenya	2010	0.662556	0.562322
Kenya	2011	0.682387	0.578683
Kenya	2012	0.703185	0.596299
Kenya	2013	0.725656	0.615121
Kenya	2014	0.743482	0.63115
Kenya	2015	0.759326	0.646749
Kenya	2016	0.766795	0.655746
Kenya	2017	0.775255	0.665895
Kenya	2018	0.781453	0.675112
Kenya	2019	0.784901	0.682011
Kiribati	1990	1.4921	1.196769

Kiribati	1991	1.456679	1.172151
Kiribati	1992	1.426989	1.152817
Kiribati	1993	1.399922	1.134295
Kiribati	1994	1.379383	1.119111
Kiribati	1995	1.357045	1.1003
Kiribati	1996	1.342688	1.088594
Kiribati	1997	1.337935	1.081264
Kiribati	1998	1.335628	1.075184
Kiribati	1999	1.338924	1.073275
Kiribati	2000	1.334341	1.064826
Kiribati	2001	1.330727	1.059429
Kiribati	2002	1.334753	1.061153
Kiribati	2003	1.344028	1.068185
Kiribati	2004	1.360788	1.08068
Kiribati	2005	1.358904	1.078589
Kiribati	2006	1.337353	1.06056
Kiribati	2007	1.308545	1.039539
Kiribati	2008	1.284763	1.019264
Kiribati	2009	1.261421	0.998717
Kiribati	2010	1.244095	0.982611
Kiribati	2011	1.224451	0.964273
Kiribati	2012	1.203869	0.946504
Kiribati	2013	1.187289	0.931639
Kiribati	2014	1.173134	0.918956
Kiribati	2015	1.174871	0.919107

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Kiribati	2016	1.184607	0.925399
Kiribati	2017	1.193378	0.931678
Kiribati	2018	1.19579	0.933418
Kiribati	2019	1.197517	0.934093
Kuwait	1990	0.906022	1.255995
Kuwait	1991	0.892059	1.282196
Kuwait	1992	0.885625	1.259416
Kuwait	1993	0.768031	1.079664
Kuwait	1994	0.721014	1.029666
Kuwait	1995	0.703499	1.018502
Kuwait	1996	0.72527	1.063488
Kuwait	1997	0.668915	1.014207
Kuwait	1998	0.704428	1.07427
Kuwait	1999	0.635082	0.968802
Kuwait	2000	0.636471	0.973544
Kuwait	2001	0.77434	1.188986
Kuwait	2002	0.694942	1.096564
Kuwait	2003	0.673842	1.081392
Kuwait	2004	0.653702	1.044354
Kuwait	2005	0.61209	0.973403
Kuwait	2006	0.597222	0.957241
Kuwait	2007	0.649274	1.040845
Kuwait	2008	0.671105	1.096313
Kuwait	2009	0.757462	1.216108
Kuwait	2010	0.839781	1.32464

Kuwait	2011	0.862705	1.35794
Kuwait	2012	0.814298	1.283671
Kuwait	2013	0.814568	1.285124
Kuwait	2014	0.84126	1.300564
Kuwait	2015	0.767129	1.168468
Kuwait	2016	0.739668	1.118587
Kuwait	2017	0.726698	1.081906
Kuwait	2018	0.713715	1.056145
Kuwait	2019	0.723676	1.037296
Kyrgyzstan	1990	0.891951	0.672838
Kyrgyzstan	1991	0.908612	0.691176
Kyrgyzstan	1992	0.898784	0.681623
Kyrgyzstan	1993	0.850417	0.650437
Kyrgyzstan	1994	0.82783	0.639884
Kyrgyzstan	1995	0.837243	0.653969
Kyrgyzstan	1996	0.834809	0.650548
Kyrgyzstan	1997	0.819205	0.637971
Kyrgyzstan	1998	0.831842	0.648076
Kyrgyzstan	1999	0.840267	0.664432
Kyrgyzstan	2000	0.844168	0.661815
Kyrgyzstan	2001	0.830856	0.658922
Kyrgyzstan	2002	0.828249	0.667975
Kyrgyzstan	2003	0.824127	0.67254
Kyrgyzstan	2004	0.810225	0.669459
Kyrgyzstan	2005	0.806345	0.668711

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5	Kyrgyzstan	2006	0.770748	0.64556
6	Kyrgyzstan	2007	0.755731	0.63405
7	Kyrgyzstan	2008	0.784272	0.65742
8	Kyrgyzstan	2009	0.81073	0.67425
9	Kyrgyzstan	2010	0.817755	0.685054
10	Kyrgyzstan	2011	0.840219	0.711408
11	Kyrgyzstan	2012	0.841235	0.716805
12	Kyrgyzstan	2013	0.84349	0.720402
13	Kyrgyzstan	2014	0.842241	0.705299
14	Kyrgyzstan	2015	0.860066	0.70151
15	Kyrgyzstan	2016	0.874609	0.704633
16	Kyrgyzstan	2017	0.849871	0.684358
17	Kyrgyzstan	2018	0.841746	0.687493
18	Kyrgyzstan	2019	0.83568	0.684807
19	Lao People's Democratic Republic	1990	1.080257	0.904518
20	Lao People's Democratic Republic	1991	1.079338	0.906014
21	Lao People's Democratic Republic	1992	1.08287	0.911731
22	Lao People's Democratic Republic	1993	1.084715	0.916095
23	Lao People's Democratic Republic	1994	1.087379	0.920926
24	Lao People's Democratic Republic	1995	1.087375	0.922831
25	Lao People's Democratic Republic	1996	1.079552	0.918976
26	Lao People's Democratic Republic	1997	1.072371	0.91556
27	Lao People's Democratic Republic	1998	1.058718	0.906658
28	Lao People's Democratic Republic	1999	1.052176	0.902857
29	Lao People's Democratic Republic	2000	1.036378	0.890862
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Lao People's Democratic Republic	2001	1.02433	0.883273
Lao People's Democratic Republic	2002	1.015382	0.87784
Lao People's Democratic Republic	2003	1.002093	0.869322
Lao People's Democratic Republic	2004	0.99141	0.862162
Lao People's Democratic Republic	2005	0.983924	0.856121
Lao People's Democratic Republic	2006	0.974171	0.850443
Lao People's Democratic Republic	2007	0.969745	0.848823
Lao People's Democratic Republic	2008	0.968779	0.849477
Lao People's Democratic Republic	2009	0.964921	0.846846
Lao People's Democratic Republic	2010	0.962207	0.843804
Lao People's Democratic Republic	2011	0.957551	0.841215
Lao People's Democratic Republic	2012	0.951021	0.838007
Lao People's Democratic Republic	2013	0.947474	0.837311
Lao People's Democratic Republic	2014	0.942958	0.835606
Lao People's Democratic Republic	2015	0.939503	0.833335
Lao People's Democratic Republic	2016	0.936031	0.833099
Lao People's Democratic Republic	2017	0.933775	0.833237
Lao People's Democratic Republic	2018	0.929921	0.831474
Lao People's Democratic Republic	2019	0.927608	0.831059
Latvia	1990	1.205006	0.533461
Latvia	1991	1.183017	0.522451
Latvia	1992	1.1596	0.513471
Latvia	1993	1.091711	0.49012
Latvia	1994	1.035137	0.470417
Latvia	1995	1.061499	0.481214



Latvia	1996	1.062243	0.487466
Latvia	1997	1.055513	0.488382
Latvia	1998	1.044571	0.489392
Latvia	1999	1.049745	0.491657
Latvia	2000	1.060367	0.490885
Latvia	2001	1.058915	0.492391
Latvia	2002	1.072686	0.496717
Latvia	2003	1.191884	0.544692
Latvia	2004	1.183538	0.544267
Latvia	2005	1.135283	0.525288
Latvia	2006	1.180254	0.548254
Latvia	2007	1.191916	0.549398
Latvia	2008	1.338475	0.604078
Latvia	2009	1.473186	0.665503
Latvia	2010	1.605934	0.719695
Latvia	2011	1.734377	0.76653
Latvia	2012	1.736977	0.761187
Latvia	2013	1.795712	0.787659
Latvia	2014	1.727391	0.755626
Latvia	2015	1.815508	0.792721
Latvia	2016	1.870149	0.814017
Latvia	2017	1.84377	0.808288
Latvia	2018	1.800032	0.794765
Latvia	2019	1.764838	0.785235
Lebanon	1990	1.071467	0.981764

Lebanon	1991	1.096284	1.005245
Lebanon	1992	1.107116	1.018167
Lebanon	1993	1.116366	1.030655
Lebanon	1994	1.123867	1.0433
Lebanon	1995	1.145438	1.068906
Lebanon	1996	1.152793	1.082827
Lebanon	1997	1.150313	1.087767
Lebanon	1998	1.160116	1.103824
Lebanon	1999	1.142017	1.095643
Lebanon	2000	1.136071	1.09651
Lebanon	2001	1.119939	1.087568
Lebanon	2002	1.108308	1.081466
Lebanon	2003	1.095733	1.073018
Lebanon	2004	1.071111	1.051902
Lebanon	2005	1.050357	1.031778
Lebanon	2006	1.030823	1.01005
Lebanon	2007	1.013675	0.987874
Lebanon	2008	1.001423	0.968311
Lebanon	2009	1.001269	0.95813
Lebanon	2010	1.011659	0.956166
Lebanon	2011	1.014475	0.945418
Lebanon	2012	1.01685	0.933202
Lebanon	2013	1.030695	0.93028
Lebanon	2014	1.053575	0.933731
Lebanon	2015	1.083446	0.942194

Lebanon	2016	1.11331	0.94979
Lebanon	2017	1.146106	0.959078
Lebanon	2018	1.180669	0.969818
Lebanon	2019	1.214408	0.980276
Lesotho	1990	0.547406	0.365938
Lesotho	1991	0.542313	0.361697
Lesotho	1992	0.533141	0.355213
Lesotho	1993	0.52431	0.348481
Lesotho	1994	0.507527	0.337316
Lesotho	1995	0.487595	0.323129
Lesotho	1996	0.460489	0.303582
Lesotho	1997	0.433845	0.283866
Lesotho	1998	0.4568	0.296374
Lesotho	1999	0.483221	0.311493
Lesotho	2000	0.541543	0.347625
Lesotho	2001	0.554774	0.355842
Lesotho	2002	0.580648	0.372819
Lesotho	2003	0.628877	0.403491
Lesotho	2004	0.639428	0.412443
Lesotho	2005	0.656144	0.4243
Lesotho	2006	0.657785	0.427168
Lesotho	2007	0.674236	0.438252
Lesotho	2008	0.701223	0.456121
Lesotho	2009	0.707365	0.462249
Lesotho	2010	0.71764	0.471142

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5	Lesotho	2011	0.721541	0.476297
6	Lesotho	2012	0.738423	0.489759
7	Lesotho	2013	0.742987	0.495743
8	Lesotho	2014	0.740565	0.497532
9	Lesotho	2015	0.735094	0.496563
10	Lesotho	2016	0.722892	0.490841
11	Lesotho	2017	0.711107	0.4857
12	Lesotho	2018	0.705235	0.48378
13	Lesotho	2019	0.705917	0.485671
14	Liberia	1990	0.9085	0.996005
15	Liberia	1991	0.911296	0.998861
16	Liberia	1992	0.925106	1.011605
17	Liberia	1993	0.924282	1.008222
18	Liberia	1994	0.917343	0.998056
19	Liberia	1995	0.913325	0.981736
20	Liberia	1996	0.878938	0.937608
21	Liberia	1997	0.869847	0.918023
22	Liberia	1998	0.850108	0.894908
23	Liberia	1999	0.838556	0.881561
24	Liberia	2000	0.849539	0.884162
25	Liberia	2001	0.86329	0.889863
26	Liberia	2002	0.885972	0.907093
27	Liberia	2003	0.88833	0.908553
28	Liberia	2004	0.899159	0.919208
29	Liberia	2005	0.912469	0.924308
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Liberia	2006	0.92007	0.923942
Liberia	2007	0.924098	0.921404
Liberia	2008	0.926949	0.929499
Liberia	2009	0.922828	0.930079
Liberia	2010	0.930016	0.935905
Liberia	2011	0.941819	0.945008
Liberia	2012	0.942946	0.943157
Liberia	2013	0.938623	0.938907
Liberia	2014	0.940143	0.942135
Liberia	2015	0.942099	0.941489
Liberia	2016	0.950782	0.94713
Liberia	2017	0.957875	0.950271
Liberia	2018	0.960514	0.9517
Liberia	2019	0.96058	0.953451
Libya	1990	1.055999	1.102401
Libya	1991	1.061455	1.107185
Libya	1992	1.031746	1.074807
Libya	1993	1.021858	1.061961
Libya	1994	1.014832	1.051481
Libya	1995	1.008831	1.042201
Libya	1996	1.016403	1.048683
Libya	1997	1.000094	1.031347
Libya	1998	0.991815	1.025339
Libya	1999	0.982479	1.020405
Libya	2000	0.97538	1.013309

Libya	2001	0.934374	0.965433
Libya	2002	0.904144	0.92635
Libya	2003	0.899903	0.916303
Libya	2004	0.962226	0.97716
Libya	2005	1.003809	1.021942
Libya	2006	1.022	1.036288
Libya	2007	1.116889	1.122346
Libya	2008	1.143164	1.149181
Libya	2009	1.226991	1.228515
Libya	2010	1.20636	1.206442
Libya	2011	1.189759	1.190245
Libya	2012	1.216209	1.220529
Libya	2013	1.219613	1.224468
Libya	2014	1.214545	1.220811
Libya	2015	1.225026	1.231131
Libya	2016	1.228146	1.234103
Libya	2017	1.223734	1.228194
Libya	2018	1.220224	1.223662
Libya	2019	1.214728	1.216594
Lithuania	1990	0.971313	0.540179
Lithuania	1991	0.985477	0.54626
Lithuania	1992	0.989442	0.546932
Lithuania	1993	0.949626	0.53415
Lithuania	1994	0.96797	0.550823
Lithuania	1995	1.00168	0.568811

Lithuania	1996	1.019597	0.571551
Lithuania	1997	1.05621	0.584609
Lithuania	1998	1.055637	0.581885
Lithuania	1999	1.050745	0.578728
Lithuania	2000	1.057401	0.578423
Lithuania	2001	1.067042	0.580847
Lithuania	2002	1.080398	0.579941
Lithuania	2003	1.136544	0.606356
Lithuania	2004	1.103524	0.587737
Lithuania	2005	1.084225	0.579263
Lithuania	2006	1.113196	0.594664
Lithuania	2007	1.096276	0.583299
Lithuania	2008	1.198771	0.624744
Lithuania	2009	1.229255	0.622287
Lithuania	2010	1.21543	0.605984
Lithuania	2011	1.22594	0.611089
Lithuania	2012	1.243841	0.615975
Lithuania	2013	1.228526	0.60492
Lithuania	2014	1.242323	0.608617
Lithuania	2015	1.266152	0.620736
Lithuania	2016	1.250372	0.614161
Lithuania	2017	1.337779	0.654176
Lithuania	2018	1.319187	0.645546
Lithuania	2019	1.350657	0.661003
Luxembourg	1990	1.393482	0.713825

Luxembourg	1991	1.405872	0.718466
Luxembourg	1992	1.45974	0.741392
Luxembourg	1993	1.457165	0.737255
Luxembourg	1994	1.465173	0.734587
Luxembourg	1995	1.498477	0.746412
Luxembourg	1996	1.532323	0.762892
Luxembourg	1997	1.541765	0.767401
Luxembourg	1998	1.53696	0.763833
Luxembourg	1999	1.557634	0.771755
Luxembourg	2000	1.583232	0.780806
Luxembourg	2001	1.629875	0.804553
Luxembourg	2002	1.58333	0.786575
Luxembourg	2003	1.541825	0.764156
Luxembourg	2004	1.542719	0.759595
Luxembourg	2005	1.564119	0.7683
Luxembourg	2006	1.568078	0.772499
Luxembourg	2007	1.574228	0.78169
Luxembourg	2008	1.559942	0.780138
Luxembourg	2009	1.486968	0.747579
Luxembourg	2010	1.461338	0.738203
Luxembourg	2011	1.483877	0.760491
Luxembourg	2012	1.434736	0.751165
Luxembourg	2013	1.437263	0.769188
Luxembourg	2014	1.436678	0.781738
Luxembourg	2015	1.449766	0.795169



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Luxembourg	2016	1.452105	0.803893
Luxembourg	2017	1.424215	0.802565
Luxembourg	2018	1.395836	0.799804
Luxembourg	2019	1.372174	0.796658
Madagascar	1990	0.654498	0.630902
Madagascar	1991	0.665058	0.636322
Madagascar	1992	0.679494	0.646495
Madagascar	1993	0.674667	0.639008
Madagascar	1994	0.673359	0.633825
Madagascar	1995	0.672929	0.631342
Madagascar	1996	0.669081	0.625767
Madagascar	1997	0.68748	0.638721
Madagascar	1998	0.690612	0.638743
Madagascar	1999	0.690685	0.635064
Madagascar	2000	0.704869	0.643978
Madagascar	2001	0.712433	0.64898
Madagascar	2002	0.730031	0.662803
Madagascar	2003	0.730674	0.662693
Madagascar	2004	0.739866	0.667256
Madagascar	2005	0.736319	0.660275
Madagascar	2006	0.730087	0.65173
Madagascar	2007	0.726425	0.64593
Madagascar	2008	0.72202	0.640593
Madagascar	2009	0.728877	0.645161
Madagascar	2010	0.734435	0.649298

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5	Madagascar	2011	0.741916	0.654738
6	Madagascar	2012	0.749575	0.661406
7	Madagascar	2013	0.756602	0.668668
8	Madagascar	2014	0.764441	0.6762
9	Madagascar	2015	0.770191	0.682863
10	Madagascar	2016	0.774117	0.690311
11	Madagascar	2017	0.779615	0.698152
12	Madagascar	2018	0.78173	0.702984
13	Madagascar	2019	0.783939	0.70848
14	Madagascar	2019	0.783939	0.70848
15	Malawi	1990	0.863324	0.714457
16	Malawi	1991	0.838268	0.692198
17	Malawi	1992	0.814011	0.670492
18	Malawi	1993	0.796118	0.651846
19	Malawi	1994	0.780322	0.635558
20	Malawi	1995	0.762866	0.621129
21	Malawi	1996	0.748306	0.610385
22	Malawi	1997	0.734158	0.599556
23	Malawi	1998	0.72624	0.593395
24	Malawi	1999	0.724455	0.586929
25	Malawi	2000	0.715552	0.575648
26	Malawi	2001	0.705807	0.565471
27	Malawi	2002	0.70057	0.558742
28	Malawi	2003	0.700275	0.556185
29	Malawi	2004	0.690505	0.54759
30	Malawi	2005	0.684543	0.540365
31	Malawi	2005	0.684543	0.540365
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Malawi	2006	0.682796	0.534722
Malawi	2007	0.686828	0.535867
Malawi	2008	0.697033	0.54052
Malawi	2009	0.707276	0.54586
Malawi	2010	0.71033	0.546968
Malawi	2011	0.714983	0.54886
Malawi	2012	0.724143	0.555918
Malawi	2013	0.733413	0.563464
Malawi	2014	0.737841	0.569168
Malawi	2015	0.74575	0.576821
Malawi	2016	0.748773	0.583159
Malawi	2017	0.754559	0.591801
Malawi	2018	0.760637	0.599123
Malawi	2019	0.765263	0.605597
Malaysia	1990	0.819196	0.788761
Malaysia	1991	0.846018	0.816191
Malaysia	1992	0.886443	0.853191
Malaysia	1993	0.94471	0.913312
Malaysia	1994	0.975225	0.954186
Malaysia	1995	0.982179	0.948723
Malaysia	1996	0.950804	0.889981
Malaysia	1997	0.965724	0.902726
Malaysia	1998	1.026153	0.991537
Malaysia	1999	1.047448	1.026159
Malaysia	2000	1.034293	1.007025

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5	Malaysia	2001	1.027312	0.987668
6	Malaysia	2002	1.078764	1.04399
7	Malaysia	2003	1.063797	1.039922
8	Malaysia	2004	1.060262	1.061847
9	Malaysia	2005	1.066861	1.080876
10	Malaysia	2006	1.07099	1.094214
11	Malaysia	2007	1.072336	1.107498
12	Malaysia	2008	1.059789	1.110449
13	Malaysia	2009	1.063617	1.123318
14	Malaysia	2010	1.057671	1.11054
15	Malaysia	2011	1.04982	1.098519
16	Malaysia	2012	1.067402	1.137766
17	Malaysia	2013	1.064808	1.180301
18	Malaysia	2014	1.056546	1.179
19	Malaysia	2015	1.053687	1.173967
20	Malaysia	2016	1.045563	1.136786
21	Malaysia	2017	1.04171	1.122423
22	Malaysia	2018	1.044457	1.117039
23	Malaysia	2019	1.041762	1.08757
24	Maldives	1990	0.963518	1.206453
25	Maldives	1991	0.972691	1.238021
26	Maldives	1992	0.98505	1.276931
27	Maldives	1993	0.95509	1.239805
28	Maldives	1994	0.900192	1.140108
29	Maldives	1995	0.914347	1.166679
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Maldives	1996	0.962101	1.260357
Maldives	1997	0.99324	1.318302
Maldives	1998	0.950574	1.23224
Maldives	1999	0.950123	1.207546
Maldives	2000	0.963335	1.233702
Maldives	2001	0.952392	1.219721
Maldives	2002	0.85437	1.079451
Maldives	2003	0.855313	1.076779
Maldives	2004	0.863548	1.078919
Maldives	2005	0.867198	1.075533
Maldives	2006	0.878145	1.082157
Maldives	2007	0.896513	1.09889
Maldives	2008	0.915916	1.116226
Maldives	2009	0.944785	1.145004
Maldives	2010	0.961791	1.162282
Maldives	2011	0.957437	1.155309
Maldives	2012	0.951009	1.149364
Maldives	2013	0.938156	1.13562
Maldives	2014	0.919664	1.11528
Maldives	2015	0.897286	1.09207
Maldives	2016	0.902015	1.100388
Maldives	2017	0.903999	1.105606
Maldives	2018	0.905796	1.110964
Maldives	2019	0.90613	1.11559
Mali	1990	1.052152	0.960348

Mali	1991	1.049099	0.963432
Mali	1992	1.04031	0.962519
Mali	1993	1.024426	0.95587
Mali	1994	1.014837	0.953214
Mali	1995	1.01442	0.958046
Mali	1996	1.009798	0.959951
Mali	1997	1.013619	0.970303
Mali	1998	1.006038	0.969867
Mali	1999	0.988446	0.959086
Mali	2000	0.979709	0.955419
Mali	2001	0.967442	0.950056
Mali	2002	0.956589	0.943906
Mali	2003	0.948678	0.941863
Mali	2004	0.931661	0.929066
Mali	2005	0.920049	0.920402
Mali	2006	0.912475	0.915756
Mali	2007	0.896128	0.902561
Mali	2008	0.880758	0.889383
Mali	2009	0.8671	0.8774
Mali	2010	0.862463	0.874125
Mali	2011	0.861756	0.875638
Mali	2012	0.860395	0.876241
Mali	2013	0.852067	0.868954
Mali	2014	0.849678	0.868136
Mali	2015	0.842445	0.862383

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Mali	2016	0.832439	0.855942
Mali	2017	0.822786	0.849405
Mali	2018	0.827136	0.855255
Mali	2019	0.830844	0.85997
Malta	1990	1.008276	0.651471
Malta	1991	1.030094	0.651632
Malta	1992	1.060652	0.662053
Malta	1993	1.091122	0.675794
Malta	1994	1.154814	0.722773
Malta	1995	1.172958	0.735947
Malta	1996	1.138106	0.716251
Malta	1997	1.119391	0.702479
Malta	1998	1.163283	0.728761
Malta	1999	1.16292	0.731829
Malta	2000	1.163634	0.732145
Malta	2001	1.136787	0.714885
Malta	2002	1.094725	0.687322
Malta	2003	1.085162	0.685129
Malta	2004	1.089569	0.692118
Malta	2005	1.035043	0.659262
Malta	2006	1.047596	0.668544
Malta	2007	1.038632	0.664038
Malta	2008	1.016727	0.651006
Malta	2009	1.034098	0.663307
Malta	2010	1.009965	0.647124

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5	Malta	2011	1.002912	0.643467
6	Malta	2012	1.017241	0.650393
7	Malta	2013	1.027006	0.65451
8	Malta	2014	1.031116	0.659429
9	Malta	2015	1.140398	0.725348
10	Malta	2016	1.132609	0.72308
11	Malta	2017	1.126121	0.720151
12	Malta	2018	1.114579	0.716802
13	Malta	2019	1.098586	0.713248
14	Malta	2019	1.098586	0.713248
15	Malta	2019	1.098586	0.713248
16	Malta	2019	1.098586	0.713248
17	Marshall Islands	1990	0.829497	0.73961
18	Marshall Islands	1991	0.84873	0.754036
19	Marshall Islands	1992	0.862116	0.764425
20	Marshall Islands	1993	0.895229	0.794611
21	Marshall Islands	1994	1.000765	0.922647
22	Marshall Islands	1995	1.014702	0.941943
23	Marshall Islands	1996	1.041135	0.970383
24	Marshall Islands	1997	1.044842	0.980008
25	Marshall Islands	1998	1.04679	0.986713
26	Marshall Islands	1999	1.041891	0.986813
27	Marshall Islands	2000	1.037892	0.986503
28	Marshall Islands	2001	1.034632	0.986928
29	Marshall Islands	2002	1.035458	0.991621
30	Marshall Islands	2003	1.033946	0.994506
31	Marshall Islands	2004	1.043391	1.007015
32	Marshall Islands	2005	1.033638	1.00178
33	Marshall Islands	2005	1.033638	1.00178
34	Marshall Islands	2005	1.033638	1.00178
35	Marshall Islands	2005	1.033638	1.00178
36	Marshall Islands	2005	1.033638	1.00178
37	Marshall Islands	2005	1.033638	1.00178
38	Marshall Islands	2005	1.033638	1.00178
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Marshall Islands	2006	1.024225	0.996898
Marshall Islands	2007	1.005892	0.982809
Marshall Islands	2008	0.989552	0.970255
Marshall Islands	2009	0.978998	0.962731
Marshall Islands	2010	0.973948	0.960239
Marshall Islands	2011	0.966812	0.954487
Marshall Islands	2012	0.960175	0.948971
Marshall Islands	2013	0.955867	0.945321
Marshall Islands	2014	0.950784	0.939663
Marshall Islands	2015	0.947166	0.936217
Marshall Islands	2016	0.946444	0.934338
Marshall Islands	2017	0.948871	0.935285
Marshall Islands	2018	0.94816	0.933495
Marshall Islands	2019	0.948073	0.931827
Mauritania	1990	1.292419	1.123301
Mauritania	1991	1.304114	1.144613
Mauritania	1992	1.311313	1.163473
Mauritania	1993	1.316344	1.181659
Mauritania	1994	1.321783	1.193751
Mauritania	1995	1.330612	1.208804
Mauritania	1996	1.334792	1.220411
Mauritania	1997	1.337735	1.23014
Mauritania	1998	1.342861	1.23923
Mauritania	1999	1.355719	1.257931
Mauritania	2000	1.354422	1.266274

Mauritania	2001	1.338039	1.263431
Mauritania	2002	1.326071	1.263031
Mauritania	2003	1.32429	1.269958
Mauritania	2004	1.312932	1.26527
Mauritania	2005	1.308692	1.266842
Mauritania	2006	1.304456	1.274066
Mauritania	2007	1.286568	1.263329
Mauritania	2008	1.259677	1.245972
Mauritania	2009	1.226907	1.223864
Mauritania	2010	1.206542	1.21002
Mauritania	2011	1.194471	1.198175
Mauritania	2012	1.18269	1.187555
Mauritania	2013	1.170872	1.180314
Mauritania	2014	1.181396	1.189417
Mauritania	2015	1.185942	1.195127
Mauritania	2016	1.190154	1.203213
Mauritania	2017	1.186943	1.204661
Mauritania	2018	1.18427	1.206028
Mauritania	2019	1.182881	1.204325
Mauritius	1990	0.93321	0.754336
Mauritius	1991	0.950503	0.755029
Mauritius	1992	1.044833	0.830833
Mauritius	1993	0.972502	0.775092
Mauritius	1994	0.996268	0.7839
Mauritius	1995	0.988114	0.789355

Mauritius	1996	0.923973	0.738861
Mauritius	1997	0.899823	0.699261
Mauritius	1998	0.910683	0.702415
Mauritius	1999	0.928566	0.717855
Mauritius	2000	0.995053	0.77431
Mauritius	2001	0.979239	0.769047
Mauritius	2002	0.899328	0.7055
Mauritius	2003	0.943053	0.733968
Mauritius	2004	0.925262	0.723859
Mauritius	2005	0.92733	0.727248
Mauritius	2006	0.942548	0.745284
Mauritius	2007	0.934733	0.753928
Mauritius	2008	0.902499	0.735209
Mauritius	2009	0.855919	0.696554
Mauritius	2010	0.884717	0.710758
Mauritius	2011	0.843754	0.678107
Mauritius	2012	0.895397	0.714052
Mauritius	2013	0.870548	0.695416
Mauritius	2014	0.872555	0.701738
Mauritius	2015	0.849229	0.685232
Mauritius	2016	0.828713	0.669571
Mauritius	2017	0.889327	0.717066
Mauritius	2018	0.873638	0.706288
Mauritius	2019	0.865816	0.699819
Mexico	1990	1.078398	1.048632

Mexico	1991	1.075019	1.040023
Mexico	1992	1.086669	1.043003
Mexico	1993	1.091016	1.040778
Mexico	1994	1.082324	1.027802
Mexico	1995	1.095406	1.033573
Mexico	1996	1.094571	1.026731
Mexico	1997	1.094724	1.022765
Mexico	1998	1.102235	1.022629
Mexico	1999	1.120489	1.033242
Mexico	2000	1.097268	1.009582
Mexico	2001	1.101573	1.009819
Mexico	2002	1.080918	0.987715
Mexico	2003	1.074058	0.97873
Mexico	2004	1.071029	0.974993
Mexico	2005	1.053626	0.959082
Mexico	2006	1.049174	0.953395
Mexico	2007	1.047691	0.950921
Mexico	2008	1.020609	0.923375
Mexico	2009	1.031489	0.928038
Mexico	2010	1.033104	0.92865
Mexico	2011	1.016719	0.911677
Mexico	2012	1.010454	0.902523
Mexico	2013	0.984236	0.875506
Mexico	2014	0.978046	0.867256
Mexico	2015	0.960093	0.848844

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5	Mexico	2016	0.946389	0.834406
6	Mexico	2017	0.919663	0.808347
7	Mexico	2018	0.92066	0.806294
8	Mexico	2019	0.912661	0.794804
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10	Micronesia (Federated States of)	1990	1.044948	0.976014
11	Micronesia (Federated States of)	1991	1.063367	0.987065
12	Micronesia (Federated States of)	1992	1.085287	1.00053
13	Micronesia (Federated States of)	1993	1.104225	1.010412
14	Micronesia (Federated States of)	1994	1.127485	1.023454
15	Micronesia (Federated States of)	1995	1.154087	1.039054
16	Micronesia (Federated States of)	1996	1.175387	1.049479
17	Micronesia (Federated States of)	1997	1.192982	1.057541
18	Micronesia (Federated States of)	1998	1.205251	1.061571
19	Micronesia (Federated States of)	1999	1.216182	1.065192
20	Micronesia (Federated States of)	2000	1.22136	1.064296
21	Micronesia (Federated States of)	2001	1.227829	1.06496
22	Micronesia (Federated States of)	2002	1.23739	1.069029
23	Micronesia (Federated States of)	2003	1.224554	1.054574
24	Micronesia (Federated States of)	2004	1.221401	1.049043
25	Micronesia (Federated States of)	2005	1.212073	1.039666
26	Micronesia (Federated States of)	2006	1.227931	1.050787
27	Micronesia (Federated States of)	2007	1.19562	1.021078
28	Micronesia (Federated States of)	2008	1.162752	0.99167
29	Micronesia (Federated States of)	2009	1.129838	0.96289
30	Micronesia (Federated States of)	2010	1.101329	0.937482
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5	Micronesia (Federated States of)	2011	1.064706	0.907
6	Micronesia (Federated States of)	2012	1.034839	0.882568
7	Micronesia (Federated States of)	2013	1.009272	0.861923
8	Micronesia (Federated States of)	2014	0.988996	0.845971
9	Micronesia (Federated States of)	2015	0.97729	0.835961
10	Micronesia (Federated States of)	2016	0.962942	0.825061
11	Micronesia (Federated States of)	2017	0.959648	0.823572
12	Micronesia (Federated States of)	2018	0.955921	0.821916
13	Micronesia (Federated States of)	2019	0.951491	0.819525
14	Monaco	1990	0.925141	0.509605
15	Monaco	1991	0.927871	0.511247
16	Monaco	1992	0.935894	0.515033
17	Monaco	1993	0.947152	0.520603
18	Monaco	1994	0.958841	0.52651
19	Monaco	1995	0.968499	0.532215
20	Monaco	1996	0.976394	0.538766
21	Monaco	1997	0.991226	0.548622
22	Monaco	1998	1.010798	0.560403
23	Monaco	1999	1.034407	0.573567
24	Monaco	2000	1.055584	0.586374
25	Monaco	2001	1.068534	0.59852
26	Monaco	2002	1.075324	0.609122
27	Monaco	2003	1.081212	0.620175
28	Monaco	2004	1.086635	0.630366
29	Monaco	2005	1.088433	0.639145
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5	Monaco	2006	1.082645	0.645151
6	Monaco	2007	1.070951	0.648902
7	Monaco	2008	1.059886	0.653042
8	Monaco	2009	1.054282	0.658945
9	Monaco	2010	1.052876	0.666098
10	Monaco	2011	1.050548	0.672052
11	Monaco	2012	1.046823	0.678352
12	Monaco	2013	1.03124	0.674487
13	Monaco	2014	1.025477	0.675192
14	Monaco	2015	1.022501	0.676323
15	Monaco	2016	1.017735	0.675253
16	Monaco	2017	1.011475	0.673635
17	Monaco	2018	1.004845	0.672659
18	Monaco	2019	0.997704	0.670993
19	Mongolia	1990	1.068489	0.837677
20	Mongolia	1991	1.083221	0.846939
21	Mongolia	1992	1.081256	0.854461
22	Mongolia	1993	1.092407	0.854763
23	Mongolia	1994	1.087824	0.850761
24	Mongolia	1995	1.079002	0.852306
25	Mongolia	1996	1.060124	0.840739
26	Mongolia	1997	1.082339	0.856448
27	Mongolia	1998	1.074045	0.833624
28	Mongolia	1999	1.084455	0.837111
29	Mongolia	2000	1.047604	0.821764
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Mongolia	2001	0.976921	0.761449
Mongolia	2002	0.921562	0.715086
Mongolia	2003	0.882353	0.687733
Mongolia	2004	0.854392	0.675443
Mongolia	2005	0.832971	0.664011
Mongolia	2006	0.833794	0.662218
Mongolia	2007	0.823721	0.663589
Mongolia	2008	0.819758	0.675399
Mongolia	2009	0.832738	0.69269
Mongolia	2010	0.825495	0.676345
Mongolia	2011	0.81695	0.665265
Mongolia	2012	0.819276	0.684519
Mongolia	2013	0.808343	0.682186
Mongolia	2014	0.795602	0.677174
Mongolia	2015	0.795543	0.676357
Mongolia	2016	0.790086	0.663606
Mongolia	2017	0.794348	0.661505
Mongolia	2018	0.793758	0.653293
Mongolia	2019	0.788673	0.633037
Montenegro	1990	0.730016	0.531763
Montenegro	1991	0.733277	0.528923
Montenegro	1992	0.752784	0.539443
Montenegro	1993	0.760196	0.546079
Montenegro	1994	0.793137	0.571782
Montenegro	1995	0.803658	0.58153



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Montenegro	1996	0.816688	0.593459
Montenegro	1997	0.803945	0.587557
Montenegro	1998	0.800749	0.587413
Montenegro	1999	0.806197	0.590958
Montenegro	2000	0.831277	0.61343
Montenegro	2001	0.83478	0.624572
Montenegro	2002	0.812396	0.611387
Montenegro	2003	0.800159	0.604112
Montenegro	2004	0.776479	0.583612
Montenegro	2005	0.749911	0.558299
Montenegro	2006	0.761925	0.567128
Montenegro	2007	0.800333	0.592415
Montenegro	2008	0.829676	0.616523
Montenegro	2009	0.849739	0.637266
Montenegro	2010	0.862346	0.649889
Montenegro	2011	0.845212	0.642788
Montenegro	2012	0.851893	0.648937
Montenegro	2013	0.843268	0.645223
Montenegro	2014	0.848705	0.651204
Montenegro	2015	0.842623	0.641021
Montenegro	2016	0.809543	0.606147
Montenegro	2017	0.802626	0.594613
Montenegro	2018	0.825529	0.60972
Montenegro	2019	0.810302	0.592792
Morocco	1990	0.99491	0.878909

Morocco	1991	0.991678	0.881717
Morocco	1992	0.946036	0.847594
Morocco	1993	0.935928	0.840068
Morocco	1994	0.94912	0.849024
Morocco	1995	0.952789	0.849879
Morocco	1996	0.973631	0.873777
Morocco	1997	0.987708	0.885371
Morocco	1998	0.96864	0.862799
Morocco	1999	0.966075	0.851575
Morocco	2000	1.027192	0.934749
Morocco	2001	1.1055	1.039632
Morocco	2002	1.172219	1.105859
Morocco	2003	1.178042	1.112077
Morocco	2004	1.210291	1.158825
Morocco	2005	1.232854	1.193653
Morocco	2006	1.241772	1.213695
Morocco	2007	1.25736	1.236321
Morocco	2008	1.258971	1.247946
Morocco	2009	1.258156	1.25791
Morocco	2010	1.260311	1.270169
Morocco	2011	1.257748	1.277081
Morocco	2012	1.235274	1.256931
Morocco	2013	1.049889	1.040043
Morocco	2014	1.068511	1.042004
Morocco	2015	1.085833	1.043414

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5	Morocco	2016	1.097535	1.040243
6	Morocco	2017	1.107104	1.035671
7	Morocco	2018	1.112476	1.03045
8	Morocco	2019	1.116306	1.025441
9	Morocco	2019	1.116306	1.025441
10	Mozambique	1990	0.7455	0.632955
11	Mozambique	1991	0.740092	0.623329
12	Mozambique	1992	0.735712	0.617705
13	Mozambique	1992	0.735712	0.617705
14	Mozambique	1993	0.723898	0.608977
15	Mozambique	1994	0.719732	0.605701
16	Mozambique	1994	0.719732	0.605701
17	Mozambique	1995	0.713228	0.598496
18	Mozambique	1996	0.714012	0.596174
19	Mozambique	1997	0.715332	0.594212
20	Mozambique	1997	0.715332	0.594212
21	Mozambique	1998	0.710254	0.587737
22	Mozambique	1999	0.702769	0.579659
23	Mozambique	1999	0.702769	0.579659
24	Mozambique	2000	0.692727	0.56899
25	Mozambique	2001	0.678268	0.555227
26	Mozambique	2002	0.669768	0.545593
27	Mozambique	2002	0.669768	0.545593
28	Mozambique	2003	0.664322	0.539428
29	Mozambique	2004	0.664309	0.538267
30	Mozambique	2005	0.67067	0.543276
31	Mozambique	2005	0.67067	0.543276
32	Mozambique	2006	0.666668	0.537137
33	Mozambique	2007	0.666481	0.536097
34	Mozambique	2008	0.66311	0.534174
35	Mozambique	2008	0.66311	0.534174
36	Mozambique	2009	0.663878	0.535535
37	Mozambique	2010	0.664697	0.536946
38	Mozambique	2010	0.664697	0.536946
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Mozambique	2011	0.665384	0.538654
Mozambique	2012	0.666639	0.540631
Mozambique	2013	0.667253	0.542927
Mozambique	2014	0.670594	0.547312
Mozambique	2015	0.676028	0.553124
Mozambique	2016	0.678167	0.557826
Mozambique	2017	0.68422	0.56494
Mozambique	2018	0.686623	0.567848
Mozambique	2019	0.689936	0.571072
Myanmar	1990	1.18372	0.956469
Myanmar	1991	1.186191	0.955607
Myanmar	1992	1.19093	0.957006
Myanmar	1993	1.194359	0.957396
Myanmar	1994	1.1991	0.959002
Myanmar	1995	1.201551	0.957968
Myanmar	1996	1.201112	0.955698
Myanmar	1997	1.200431	0.953416
Myanmar	1998	1.201065	0.952161
Myanmar	1999	1.200264	0.950136
Myanmar	2000	1.205709	0.953426
Myanmar	2001	1.200051	0.949125
Myanmar	2002	1.197862	0.947276
Myanmar	2003	1.20639	0.952919
Myanmar	2004	1.192564	0.942485
Myanmar	2005	1.178545	0.930368

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Myanmar	2006	1.17357	0.924872
Myanmar	2007	1.161685	0.914034
Myanmar	2008	1.150781	0.9032
Myanmar	2009	1.127682	0.883668
Myanmar	2010	1.099544	0.859687
Myanmar	2011	1.071159	0.835402
Myanmar	2012	1.05088	0.816291
Myanmar	2013	1.050014	0.812047
Myanmar	2014	1.048675	0.807729
Myanmar	2015	1.048365	0.80387
Myanmar	2016	1.049722	0.801738
Myanmar	2017	1.060853	0.807818
Myanmar	2018	1.06684	0.8106
Myanmar	2019	1.070598	0.810062
Namibia	1990	0.520952	0.414139
Namibia	1991	0.518697	0.41023
Namibia	1992	0.514996	0.405404
Namibia	1993	0.516465	0.404232
Namibia	1994	0.514588	0.401503
Namibia	1995	0.514977	0.400811
Namibia	1996	0.512347	0.398035
Namibia	1997	0.520707	0.40232
Namibia	1998	0.528704	0.406669
Namibia	1999	0.536913	0.411569
Namibia	2000	0.542403	0.414466

Namibia	2001	0.536134	0.40849
Namibia	2002	0.535634	0.406544
Namibia	2003	0.527334	0.398785
Namibia	2004	0.515515	0.38807
Namibia	2005	0.50934	0.380508
Namibia	2006	0.512883	0.379323
Namibia	2007	0.520243	0.380621
Namibia	2008	0.525957	0.380947
Namibia	2009	0.537255	0.385315
Namibia	2010	0.542963	0.386363
Namibia	2011	0.547274	0.385731
Namibia	2012	0.562226	0.393271
Namibia	2013	0.570154	0.396655
Namibia	2014	0.579949	0.402086
Namibia	2015	0.589423	0.407695
Namibia	2016	0.596258	0.411905
Namibia	2017	0.601077	0.414841
Namibia	2018	0.606703	0.418179
Namibia	2019	0.61335	0.422065
Nauru	1990	0.841129	0.90935
Nauru	1991	0.836849	0.90501
Nauru	1992	0.838949	0.908351
Nauru	1993	0.81655	0.888291
Nauru	1994	0.827685	0.897083
Nauru	1995	0.825315	0.892624

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Nauru	1996	0.835952	0.896632
Nauru	1997	0.847038	0.900004
Nauru	1998	0.859692	0.901619
Nauru	1999	0.855559	0.887218
Nauru	2000	0.855925	0.875318
Nauru	2001	0.857772	0.863824
Nauru	2002	0.845386	0.844801
Nauru	2003	0.839563	0.830172
Nauru	2004	0.843791	0.82551
Nauru	2005	0.830454	0.805166
Nauru	2006	0.821763	0.78876
Nauru	2007	0.806174	0.767626
Nauru	2008	0.793628	0.750901
Nauru	2009	0.787585	0.740255
Nauru	2010	0.783428	0.733114
Nauru	2011	0.782513	0.727983
Nauru	2012	0.78002	0.722149
Nauru	2013	0.779317	0.718327
Nauru	2014	0.776438	0.713153
Nauru	2015	0.78012	0.712964
Nauru	2016	0.786155	0.71382
Nauru	2017	0.797984	0.719267
Nauru	2018	0.809922	0.723824
Nauru	2019	0.822037	0.727821
Nepal	1990	1.006487	0.88658

Nepal	1991	1.008787	0.889125
Nepal	1992	1.017032	0.897647
Nepal	1993	1.009764	0.893959
Nepal	1994	0.999923	0.887975
Nepal	1995	0.980684	0.874587
Nepal	1996	0.960356	0.859834
Nepal	1997	0.932334	0.838205
Nepal	1998	0.9169	0.826599
Nepal	1999	0.913889	0.824936
Nepal	2000	0.891626	0.807733
Nepal	2001	0.885184	0.803387
Nepal	2002	0.88509	0.80353
Nepal	2003	0.886223	0.804379
Nepal	2004	0.88261	0.801964
Nepal	2005	0.88549	0.803022
Nepal	2006	0.885284	0.802625
Nepal	2007	0.895269	0.810404
Nepal	2008	0.906467	0.818901
Nepal	2009	0.920021	0.829422
Nepal	2010	0.946883	0.850073
Nepal	2011	0.956762	0.857514
Nepal	2012	0.976914	0.871798
Nepal	2013	0.994293	0.883126
Nepal	2014	1.016476	0.898038
Nepal	2015	1.035396	0.907818



Nepal	2016	1.049671	0.914186
Nepal	2017	1.063584	0.920054
Nepal	2018	1.076166	0.92446
Nepal	2019	1.087308	0.926945
Netherlands	1990	1.447557	0.744821
Netherlands	1991	1.476313	0.748788
Netherlands	1992	1.479029	0.741339
Netherlands	1993	1.466228	0.727559
Netherlands	1994	1.509769	0.744292
Netherlands	1995	1.525182	0.750735
Netherlands	1996	1.511319	0.746839
Netherlands	1997	1.502871	0.745412
Netherlands	1998	1.468095	0.728972
Netherlands	1999	1.439072	0.71541
Netherlands	2000	1.39814	0.697868
Netherlands	2001	1.413555	0.709338
Netherlands	2002	1.425754	0.719386
Netherlands	2003	1.388924	0.704545
Netherlands	2004	1.400944	0.709384
Netherlands	2005	1.401287	0.709922
Netherlands	2006	1.401839	0.710847
Netherlands	2007	1.402669	0.714385
Netherlands	2008	1.406942	0.72216
Netherlands	2009	1.40736	0.727049
Netherlands	2010	1.421272	0.736793

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5	Netherlands	2011	1.446806	0.757099
6	Netherlands	2012	1.442136	0.762483
7	Netherlands	2013	1.430792	0.767487
8	Netherlands	2014	1.440957	0.786282
9	Netherlands	2015	1.412873	0.785196
10	Netherlands	2016	1.402363	0.791495
11	Netherlands	2017	1.364227	0.786008
12	Netherlands	2018	1.345275	0.792336
13	Netherlands	2019	1.31752	0.791067
14	Netherlands	2019	1.31752	0.791067
15	Netherlands	2019	1.31752	0.791067
16	Netherlands	2019	1.31752	0.791067
17	New Zealand	1990	1.066192	0.705987
18	New Zealand	1991	1.063794	0.698293
19	New Zealand	1992	0.993804	0.647648
20	New Zealand	1993	0.990158	0.641685
21	New Zealand	1994	0.975831	0.628564
22	New Zealand	1995	0.987665	0.632708
23	New Zealand	1996	1.006324	0.639629
24	New Zealand	1997	0.977481	0.622835
25	New Zealand	1998	0.981552	0.627138
26	New Zealand	1999	0.975372	0.624972
27	New Zealand	2000	0.962181	0.62377
28	New Zealand	2001	0.943874	0.613128
29	New Zealand	2002	0.97546	0.637451
30	New Zealand	2003	0.971302	0.637979
31	New Zealand	2004	0.993113	0.655944
32	New Zealand	2005	0.992803	0.66123
33	New Zealand	2005	0.992803	0.66123
34	New Zealand	2005	0.992803	0.66123
35	New Zealand	2005	0.992803	0.66123
36	New Zealand	2005	0.992803	0.66123
37	New Zealand	2005	0.992803	0.66123
38	New Zealand	2005	0.992803	0.66123
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5	New Zealand	2006	0.984374	0.661881
6	New Zealand	2007	0.956275	0.65261
7	New Zealand	2008	0.960295	0.664472
8	New Zealand	2009	0.944662	0.656956
9	New Zealand	2010	0.959474	0.671581
10	New Zealand	2011	0.954743	0.674297
11	New Zealand	2012	0.930048	0.664193
12	New Zealand	2013	0.924215	0.667159
13	New Zealand	2014	0.91942	0.665934
14	New Zealand	2015	0.941312	0.687821
15	New Zealand	2016	0.929588	0.68481
16	New Zealand	2017	0.927328	0.689256
17	New Zealand	2018	0.893293	0.670898
18	New Zealand	2019	0.881984	0.667259
19	Nicaragua	1990	0.522688	0.397753
20	Nicaragua	1991	0.514671	0.395575
21	Nicaragua	1992	0.515144	0.395474
22	Nicaragua	1993	0.52376	0.401308
23	Nicaragua	1994	0.495389	0.382344
24	Nicaragua	1995	0.657199	0.544353
25	Nicaragua	1996	0.644636	0.542242
26	Nicaragua	1997	0.630431	0.535664
27	Nicaragua	1998	0.618795	0.531651
28	Nicaragua	1999	0.572153	0.497733
29	Nicaragua	2000	0.578434	0.508295
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Nicaragua	2001	0.593106	0.527615
Nicaragua	2002	0.583986	0.525227
Nicaragua	2003	0.551447	0.49958
Nicaragua	2004	0.557455	0.50602
Nicaragua	2005	0.538036	0.48986
Nicaragua	2006	0.52597	0.477105
Nicaragua	2007	0.544361	0.49303
Nicaragua	2008	0.539564	0.48876
Nicaragua	2009	0.545132	0.49153
Nicaragua	2010	0.550934	0.493435
Nicaragua	2011	0.535405	0.477532
Nicaragua	2012	0.522062	0.46299
Nicaragua	2013	0.524102	0.460842
Nicaragua	2014	0.537312	0.467204
Nicaragua	2015	0.557047	0.479269
Nicaragua	2016	0.541955	0.463483
Nicaragua	2017	0.558139	0.471183
Nicaragua	2018	0.560598	0.468403
Nicaragua	2019	0.562831	0.466458
Niger	1990	0.810415	0.758079
Niger	1991	0.826226	0.773965
Niger	1992	0.838852	0.788117
Niger	1993	0.845358	0.798159
Niger	1994	0.855762	0.808671
Niger	1995	0.860737	0.809156

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Niger	1996	0.856771	0.807281
Niger	1997	0.855472	0.806414
Niger	1998	0.843432	0.798485
Niger	1999	0.828745	0.782915
Niger	2000	0.819592	0.771369
Niger	2001	0.806746	0.759651
Niger	2002	0.797001	0.752312
Niger	2003	0.787058	0.746425
Niger	2004	0.775544	0.739366
Niger	2005	0.766949	0.727909
Niger	2006	0.756655	0.71908
Niger	2007	0.750941	0.711134
Niger	2008	0.743702	0.704064
Niger	2009	0.735897	0.69378
Niger	2010	0.727739	0.684338
Niger	2011	0.726785	0.678833
Niger	2012	0.724445	0.674636
Niger	2013	0.718303	0.669687
Niger	2014	0.722409	0.67305
Niger	2015	0.724784	0.671592
Niger	2016	0.724831	0.672213
Niger	2017	0.726952	0.673326
Niger	2018	0.721766	0.673434
Niger	2019	0.724118	0.675679
Nigeria	1990	0.942702	0.872561

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5	Nigeria	1991	0.934436	0.872282
6	Nigeria	1992	0.924894	0.872943
7	Nigeria	1993	0.914077	0.870767
8	Nigeria	1994	0.906826	0.871447
9	Nigeria	1995	0.895881	0.866064
10	Nigeria	1996	0.885105	0.861683
11	Nigeria	1997	0.881762	0.864812
12	Nigeria	1998	0.87083	0.860374
13	Nigeria	1999	0.852298	0.847813
14	Nigeria	2000	0.834291	0.834275
15	Nigeria	2001	0.819429	0.824864
16	Nigeria	2002	0.807634	0.81888
17	Nigeria	2003	0.793461	0.811085
18	Nigeria	2004	0.783844	0.806558
19	Nigeria	2005	0.771572	0.797225
20	Nigeria	2006	0.765569	0.792637
21	Nigeria	2007	0.759324	0.78688
22	Nigeria	2008	0.75287	0.779753
23	Nigeria	2009	0.745507	0.769981
24	Nigeria	2010	0.736712	0.759652
25	Nigeria	2011	0.734046	0.753786
26	Nigeria	2012	0.737838	0.751281
27	Nigeria	2013	0.734996	0.740608
28	Nigeria	2014	0.742661	0.740121
29	Nigeria	2015	0.754025	0.743835
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5	Nigeria	2016	0.763335	0.745167
6	Nigeria	2017	0.778616	0.75156
7	Nigeria	2018	0.793522	0.757511
8	Nigeria	2019	0.810217	0.764132
9	Niue	1990	1.190231	0.775411
10	Niue	1991	1.194033	0.789915
11	Niue	1992	1.207319	0.812242
12	Niue	1993	1.20373	0.823011
13	Niue	1994	1.178585	0.817084
14	Niue	1995	1.157887	0.813367
15	Niue	1996	1.143385	0.814647
16	Niue	1997	1.133241	0.820008
17	Niue	1998	1.099876	0.807742
18	Niue	1999	1.073953	0.798718
19	Niue	2000	1.048715	0.788429
20	Niue	2001	1.012068	0.767538
21	Niue	2002	1.005777	0.76615
22	Niue	2003	0.992871	0.757578
23	Niue	2004	1.011142	0.772571
24	Niue	2005	0.978883	0.747352
25	Niue	2006	0.972596	0.743419
26	Niue	2007	0.95894	0.733977
27	Niue	2008	0.95539	0.73326
28	Niue	2009	0.939876	0.721684
29	Niue	2010	0.926776	0.71016
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Niue	2011	0.91639	0.701185
Niue	2012	0.907389	0.69404
Niue	2013	0.901788	0.689627
Niue	2014	0.895694	0.683761
Niue	2015	0.894766	0.680007
Niue	2016	0.892505	0.676161
Niue	2017	0.893889	0.676244
Niue	2018	0.890768	0.674944
Niue	2019	0.887772	0.673264
North Macedonia	1990	0.680204	0.58975
North Macedonia	1991	0.68378	0.5956
North Macedonia	1992	0.664624	0.571964
North Macedonia	1993	0.644703	0.547151
North Macedonia	1994	0.663149	0.555907
North Macedonia	1995	0.671096	0.552266
North Macedonia	1996	0.695813	0.563928
North Macedonia	1997	0.741597	0.594207
North Macedonia	1998	0.771646	0.617339
North Macedonia	1999	0.777685	0.616422
North Macedonia	2000	0.797954	0.622484
North Macedonia	2001	0.778443	0.606375
North Macedonia	2002	0.749492	0.587121
North Macedonia	2003	0.769429	0.60026
North Macedonia	2004	0.792515	0.614197
North Macedonia	2005	0.783544	0.610202



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5	North Macedonia	2006	0.767706	0.60037
6	North Macedonia	2007	0.791232	0.612007
7	North Macedonia	2008	0.790856	0.612737
8	North Macedonia	2009	0.763725	0.598462
9	North Macedonia	2010	0.778915	0.614822
10	North Macedonia	2011	0.793147	0.637721
11	North Macedonia	2012	0.811289	0.66772
12	North Macedonia	2013	0.780544	0.642134
13	North Macedonia	2014	0.776893	0.636497
14	North Macedonia	2015	0.799244	0.654666
15	North Macedonia	2016	0.786323	0.643621
16	North Macedonia	2017	0.788026	0.643868
17	North Macedonia	2018	0.795756	0.652467
18	North Macedonia	2019	0.797522	0.654678
19	Northern Mariana Islands	1990	0.904061	1.155126
20	Northern Mariana Islands	1991	0.908144	1.156065
21	Northern Mariana Islands	1992	0.940581	1.169589
22	Northern Mariana Islands	1993	0.975433	1.173898
23	Northern Mariana Islands	1994	1.002007	1.17191
24	Northern Mariana Islands	1995	1.003151	1.154852
25	Northern Mariana Islands	1996	0.987202	1.126734
26	Northern Mariana Islands	1997	0.968009	1.097328
27	Northern Mariana Islands	1998	0.947527	1.065921
28	Northern Mariana Islands	1999	0.959593	1.066621
29	Northern Mariana Islands	2000	0.952837	1.060532
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Northern Mariana Islands	2001	0.991994	1.099375
Northern Mariana Islands	2002	0.987834	1.094556
Northern Mariana Islands	2003	0.979144	1.077003
Northern Mariana Islands	2004	0.978766	1.061672
Northern Mariana Islands	2005	0.955494	1.027025
Northern Mariana Islands	2006	0.935982	1.000809
Northern Mariana Islands	2007	0.897664	0.960032
Northern Mariana Islands	2008	0.864887	0.927883
Northern Mariana Islands	2009	0.838403	0.903614
Northern Mariana Islands	2010	0.815518	0.876638
Northern Mariana Islands	2011	0.817938	0.865424
Northern Mariana Islands	2012	0.827228	0.851935
Northern Mariana Islands	2013	0.852758	0.850358
Northern Mariana Islands	2014	0.875267	0.849207
Northern Mariana Islands	2015	0.888178	0.851222
Northern Mariana Islands	2016	0.885488	0.844042
Northern Mariana Islands	2017	0.888524	0.842979
Northern Mariana Islands	2018	0.887991	0.841535
Northern Mariana Islands	2019	0.885281	0.840043
Norway	1990	0.75453	0.444114
Norway	1991	0.76261	0.443497
Norway	1992	0.753197	0.43253
Norway	1993	0.762236	0.431351
Norway	1994	0.781039	0.438624
Norway	1995	0.763202	0.424597

Norway	1996	0.758874	0.419658
Norway	1997	0.75473	0.412952
Norway	1998	0.774382	0.420472
Norway	1999	0.804349	0.433843
Norway	2000	0.825601	0.441517
Norway	2001	0.853106	0.453431
Norway	2002	0.867374	0.459636
Norway	2003	0.880328	0.464835
Norway	2004	0.889531	0.470566
Norway	2005	0.89659	0.476656
Norway	2006	0.922606	0.490047
Norway	2007	0.907665	0.483353
Norway	2008	0.911053	0.485221
Norway	2009	0.928439	0.497259
Norway	2010	0.935386	0.504449
Norway	2011	0.92996	0.505624
Norway	2012	0.945872	0.517948
Norway	2013	0.94377	0.523526
Norway	2014	0.921463	0.517737
Norway	2015	0.916327	0.521282
Norway	2016	0.921739	0.532769
Norway	2017	0.936924	0.549344
Norway	2018	0.918215	0.550188
Norway	2019	0.878137	0.537045
Oman	1990	0.979395	0.855588

Oman	1991	0.973416	0.875397
Oman	1992	0.949128	0.87044
Oman	1993	0.928445	0.864161
Oman	1994	0.918156	0.861888
Oman	1995	0.904759	0.858133
Oman	1996	0.87801	0.851048
Oman	1997	0.854061	0.839597
Oman	1998	0.840761	0.832031
Oman	1999	0.837351	0.831819
Oman	2000	0.834719	0.835971
Oman	2001	0.827618	0.842637
Oman	2002	0.836788	0.865047
Oman	2003	0.845547	0.873422
Oman	2004	0.855899	0.869597
Oman	2005	0.876488	0.894328
Oman	2006	0.881398	0.931667
Oman	2007	0.83088	0.881098
Oman	2008	0.794738	0.829971
Oman	2009	0.813201	0.848894
Oman	2010	0.846076	0.885023
Oman	2011	0.828041	0.880499
Oman	2012	0.795644	0.823064
Oman	2013	0.786745	0.844324
Oman	2014	0.832188	0.90246
Oman	2015	0.831518	0.871769

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Oman	2016	0.822027	0.839947
Oman	2017	0.850428	0.847046
Oman	2018	0.903009	0.894798
Oman	2019	0.928841	0.907248
Pakistan	1990	0.769579	0.859356
Pakistan	1991	0.77647	0.861193
Pakistan	1992	0.790828	0.870807
Pakistan	1993	0.795747	0.870075
Pakistan	1994	0.805727	0.87484
Pakistan	1995	0.818759	0.883548
Pakistan	1996	0.825433	0.884969
Pakistan	1997	0.83398	0.887684
Pakistan	1998	0.842863	0.891115
Pakistan	1999	0.855256	0.899086
Pakistan	2000	0.86957	0.91118
Pakistan	2001	0.872852	0.911187
Pakistan	2002	0.871058	0.904883
Pakistan	2003	0.880193	0.910245
Pakistan	2004	0.877101	0.904079
Pakistan	2005	0.872892	0.897924
Pakistan	2006	0.872655	0.894325
Pakistan	2007	0.872149	0.891288
Pakistan	2008	0.875317	0.890402
Pakistan	2009	0.878341	0.890376
Pakistan	2010	0.878473	0.888904

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5	Pakistan	2011	0.877758	0.884423
6	Pakistan	2012	0.873696	0.878442
7	Pakistan	2013	0.883067	0.885333
8	Pakistan	2014	0.882844	0.883889
9	Pakistan	2015	0.881913	0.881605
10	Pakistan	2016	0.881354	0.879779
11	Pakistan	2017	0.883992	0.881982
12	Pakistan	2018	0.88619	0.884133
13	Pakistan	2019	0.889084	0.887167
14	Palau	1990	0.590726	0.567074
15	Palau	1991	0.592484	0.570484
16	Palau	1992	0.597138	0.577494
17	Palau	1993	0.598439	0.583652
18	Palau	1994	0.607683	0.594125
19	Palau	1995	0.602122	0.598155
20	Palau	1996	0.594922	0.602471
21	Palau	1997	0.583794	0.605164
22	Palau	1998	0.569959	0.607432
23	Palau	1999	0.552715	0.606219
24	Palau	2000	0.535765	0.600872
25	Palau	2001	0.527349	0.594391
26	Palau	2002	0.528002	0.591384
27	Palau	2003	0.527773	0.584654
28	Palau	2004	0.551456	0.599923
29	Palau	2005	0.561114	0.60323
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Palau	2006	0.560422	0.591128
Palau	2007	0.553735	0.574366
Palau	2008	0.548002	0.561176
Palau	2009	0.544165	0.552275
Palau	2010	0.540527	0.545934
Palau	2011	0.537092	0.540225
Palau	2012	0.533922	0.535625
Palau	2013	0.533608	0.534197
Palau	2014	0.531007	0.530978
Palau	2015	0.529723	0.529574
Palau	2016	0.529932	0.529197
Palau	2017	0.533105	0.531537
Palau	2018	0.535611	0.532533
Palau	2019	0.538439	0.532765
Palestine	1990	1.096766	0.844508
Palestine	1991	1.091591	0.837304
Palestine	1992	1.084402	0.829288
Palestine	1993	1.079099	0.822787
Palestine	1994	1.078678	0.820767
Palestine	1995	1.07913	0.819914
Palestine	1996	1.078497	0.818714
Palestine	1997	1.046346	0.793599
Palestine	1998	1.00854	0.764127
Palestine	1999	0.968609	0.734114
Palestine	2000	0.941176	0.712675

Palestine	2001	0.911024	0.687406
Palestine	2002	0.883868	0.663667
Palestine	2003	0.868165	0.64945
Palestine	2004	0.866073	0.644743
Palestine	2005	0.862481	0.641533
Palestine	2006	0.86778	0.645021
Palestine	2007	0.888549	0.660241
Palestine	2008	0.918877	0.687188
Palestine	2009	0.938756	0.70351
Palestine	2010	0.97194	0.724081
Palestine	2011	0.972628	0.724938
Palestine	2012	0.957763	0.721228
Palestine	2013	0.962405	0.732859
Palestine	2014	0.945347	0.721619
Palestine	2015	0.981757	0.74991
Palestine	2016	1.030033	0.788183
Palestine	2017	1.031354	0.790637
Palestine	2018	1.009338	0.781943
Palestine	2019	1.007945	0.795501
Panama	1990	0.684806	0.673883
Panama	1991	0.662354	0.648572
Panama	1992	0.682867	0.663984
Panama	1993	0.622521	0.60272
Panama	1994	0.632837	0.60781
Panama	1995	0.609146	0.578484



Panama	1996	0.649564	0.611483
Panama	1997	0.695155	0.650684
Panama	1998	0.755965	0.707313
Panama	1999	0.726618	0.67976
Panama	2000	0.755907	0.704044
Panama	2001	0.753036	0.698864
Panama	2002	0.744099	0.687659
Panama	2003	0.745748	0.685298
Panama	2004	0.776886	0.713745
Panama	2005	0.74812	0.688865
Panama	2006	0.721141	0.662738
Panama	2007	0.704199	0.645755
Panama	2008	0.673904	0.615725
Panama	2009	0.672603	0.61248
Panama	2010	0.660371	0.597237
Panama	2011	0.680747	0.613704
Panama	2012	0.671265	0.603026
Panama	2013	0.709723	0.637278
Panama	2014	0.703626	0.631
Panama	2015	0.696567	0.623082
Panama	2016	0.695587	0.620452
Panama	2017	0.686796	0.611485
Panama	2018	0.70711	0.629843
Panama	2019	0.702706	0.625932
Papua New Guinea	1990	0.510353	0.520489

Papua New Guinea	1991	0.507586	0.517922
Papua New Guinea	1992	0.507342	0.516734
Papua New Guinea	1993	0.505816	0.514488
Papua New Guinea	1994	0.504687	0.513087
Papua New Guinea	1995	0.503742	0.512226
Papua New Guinea	1996	0.507201	0.51616
Papua New Guinea	1997	0.510876	0.518938
Papua New Guinea	1998	0.51547	0.522528
Papua New Guinea	1999	0.518813	0.525667
Papua New Guinea	2000	0.520481	0.527957
Papua New Guinea	2001	0.520252	0.52839
Papua New Guinea	2002	0.521909	0.529584
Papua New Guinea	2003	0.522595	0.530408
Papua New Guinea	2004	0.523892	0.532711
Papua New Guinea	2005	0.520392	0.530805
Papua New Guinea	2006	0.522667	0.534894
Papua New Guinea	2007	0.521963	0.535709
Papua New Guinea	2008	0.515748	0.531163
Papua New Guinea	2009	0.51058	0.528153
Papua New Guinea	2010	0.50998	0.528219
Papua New Guinea	2011	0.504127	0.522987
Papua New Guinea	2012	0.499902	0.520138
Papua New Guinea	2013	0.494541	0.517163
Papua New Guinea	2014	0.490763	0.51518
Papua New Guinea	2015	0.490012	0.516154

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Papua New Guinea	2016	0.488799	0.517054
Papua New Guinea	2017	0.489673	0.518489
Papua New Guinea	2018	0.488274	0.517236
Papua New Guinea	2019	0.487062	0.516906
Paraguay	1990	0.87285	0.733251
Paraguay	1991	0.871421	0.73538
Paraguay	1992	0.861984	0.731253
Paraguay	1993	0.893227	0.763558
Paraguay	1994	0.874891	0.750756
Paraguay	1995	0.891905	0.767908
Paraguay	1996	0.894482	0.771026
Paraguay	1997	0.90991	0.786707
Paraguay	1998	0.891224	0.772082
Paraguay	1999	0.892023	0.776159
Paraguay	2000	0.908794	0.790837
Paraguay	2001	0.900237	0.782912
Paraguay	2002	0.900709	0.784708
Paraguay	2003	0.899833	0.784946
Paraguay	2004	0.905188	0.78769
Paraguay	2005	0.906572	0.78923
Paraguay	2006	0.919604	0.800699
Paraguay	2007	0.895242	0.778963
Paraguay	2008	0.8998	0.782922
Paraguay	2009	0.887053	0.770607
Paraguay	2010	0.889014	0.769331

Paraguay	2011	0.893574	0.772361
Paraguay	2012	0.880004	0.758167
Paraguay	2013	0.894597	0.76836
Paraguay	2014	0.863302	0.743413
Paraguay	2015	0.829355	0.715781
Paraguay	2016	0.841111	0.72518
Paraguay	2017	0.843696	0.726201
Paraguay	2018	0.843366	0.725494
Paraguay	2019	0.836684	0.71842
Peru	1990	0.913601	0.863955
Peru	1991	1.00472	0.948777
Peru	1992	1.044879	0.98688
Peru	1993	1.027759	0.970272
Peru	1994	1.115356	1.054376
Peru	1995	1.156215	1.097468
Peru	1996	1.083906	1.03572
Peru	1997	1.079265	1.033944
Peru	1998	1.084938	1.038903
Peru	1999	1.053269	1.008394
Peru	2000	1.05003	1.00284
Peru	2001	1.015949	0.966888
Peru	2002	1.021084	0.968834
Peru	2003	1.050852	0.995309
Peru	2004	1.010514	0.953906
Peru	2005	1.011217	0.949196

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Peru	2006	0.971567	0.907069
Peru	2007	0.93459	0.868534
Peru	2008	0.964408	0.891577
Peru	2009	1.005513	0.925821
Peru	2010	1.016288	0.931538
Peru	2011	1.030177	0.940505
Peru	2012	1.051711	0.956412
Peru	2013	1.058485	0.95881
Peru	2014	1.067343	0.963477
Peru	2015	1.06634	0.959772
Peru	2016	1.074129	0.96437
Peru	2017	1.089316	0.975806
Peru	2018	1.098656	0.982166
Peru	2019	1.110745	0.990734
Philippines	1990	0.895381	0.902283
Philippines	1991	0.880509	0.883263
Philippines	1992	0.881702	0.876569
Philippines	1993	0.877133	0.864402
Philippines	1994	0.86956	0.85266
Philippines	1995	0.87258	0.852439
Philippines	1996	0.866278	0.838327
Philippines	1997	0.8542	0.812544
Philippines	1998	0.847416	0.798709
Philippines	1999	0.848855	0.801611
Philippines	2000	0.854486	0.804787

Philippines	2001	0.854201	0.80103
Philippines	2002	0.85769	0.80353
Philippines	2003	0.847201	0.792661
Philippines	2004	0.843162	0.788747
Philippines	2005	0.841734	0.787366
Philippines	2006	0.834808	0.780353
Philippines	2007	0.832589	0.775666
Philippines	2008	0.838592	0.777601
Philippines	2009	0.835108	0.770345
Philippines	2010	0.829964	0.764372
Philippines	2011	0.827424	0.758476
Philippines	2012	0.838945	0.763847
Philippines	2013	0.85046	0.770959
Philippines	2014	0.840941	0.760785
Philippines	2015	0.845221	0.761678
Philippines	2016	0.843903	0.758905
Philippines	2017	0.852911	0.768268
Philippines	2018	0.858187	0.773633
Philippines	2019	0.859915	0.775107
Poland	1990	0.917881	0.594086
Poland	1991	0.90409	0.580834
Poland	1992	0.919908	0.58486
Poland	1993	0.946987	0.594748
Poland	1994	0.960281	0.600366
Poland	1995	0.958064	0.595011

Poland	1996	0.985587	0.604305
Poland	1997	0.999282	0.608044
Poland	1998	1.016292	0.611599
Poland	1999	1.025894	0.611673
Poland	2000	1.053107	0.615915
Poland	2001	1.045756	0.604648
Poland	2002	1.042927	0.59748
Poland	2003	1.038911	0.591794
Poland	2004	1.041969	0.592438
Poland	2005	1.070954	0.608519
Poland	2006	1.101807	0.627874
Poland	2007	1.126684	0.643817
Poland	2008	1.09441	0.626611
Poland	2009	1.086273	0.622186
Poland	2010	1.050341	0.600421
Poland	2011	1.022768	0.5837
Poland	2012	1.045657	0.594587
Poland	2013	1.06034	0.600538
Poland	2014	1.095376	0.617875
Poland	2015	1.090725	0.612589
Poland	2016	1.085856	0.609823
Poland	2017	1.063426	0.59996
Poland	2018	1.053713	0.59652
Poland	2019	1.043147	0.59288
Portugal	1990	0.884262	0.543926

Portugal	1991	0.890398	0.549614
Portugal	1992	0.887748	0.548645
Portugal	1993	0.905257	0.559067
Portugal	1994	0.934888	0.578709
Portugal	1995	0.954761	0.593079
Portugal	1996	0.955694	0.595236
Portugal	1997	0.983491	0.612126
Portugal	1998	0.9847	0.611874
Portugal	1999	0.994401	0.611865
Portugal	2000	1.014619	0.622443
Portugal	2001	1.023922	0.627747
Portugal	2002	1.046333	0.641815
Portugal	2003	1.071809	0.658259
Portugal	2004	1.082705	0.665587
Portugal	2005	1.100718	0.675084
Portugal	2006	1.117627	0.682107
Portugal	2007	1.12877	0.685484
Portugal	2008	1.135725	0.684655
Portugal	2009	1.158093	0.693652
Portugal	2010	1.181695	0.701173
Portugal	2011	1.212089	0.712886
Portugal	2012	1.214154	0.709169
Portugal	2013	1.223854	0.710161
Portugal	2014	1.23894	0.71278
Portugal	2015	1.253346	0.718468



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Portugal	2016	1.250497	0.714503
Portugal	2017	1.242519	0.710662
Portugal	2018	1.247566	0.715337
Portugal	2019	1.242236	0.713636
Puerto Rico	1990	0.80275	0.669891
Puerto Rico	1991	0.809018	0.669491
Puerto Rico	1992	0.805713	0.661874
Puerto Rico	1993	0.80907	0.659305
Puerto Rico	1994	0.823879	0.665447
Puerto Rico	1995	0.795614	0.637683
Puerto Rico	1996	0.821616	0.653485
Puerto Rico	1997	0.806042	0.636572
Puerto Rico	1998	0.783507	0.61465
Puerto Rico	1999	0.830368	0.646628
Puerto Rico	2000	0.847044	0.655127
Puerto Rico	2001	0.813541	0.623902
Puerto Rico	2002	0.837027	0.636125
Puerto Rico	2003	0.849227	0.641471
Puerto Rico	2004	0.851207	0.638502
Puerto Rico	2005	0.819532	0.609731
Puerto Rico	2006	0.828059	0.610677
Puerto Rico	2007	0.851411	0.623053
Puerto Rico	2008	0.870717	0.634801
Puerto Rico	2009	0.835635	0.606872
Puerto Rico	2010	0.873679	0.632793

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5	Puerto Rico	2011	0.865857	0.627258
6	Puerto Rico	2012	0.864947	0.620861
7	Puerto Rico	2013	0.87645	0.628923
8	Puerto Rico	2014	0.887603	0.635695
9	Puerto Rico	2015	0.868531	0.617416
10	Puerto Rico	2016	0.888741	0.631972
11	Puerto Rico	2017	0.888622	0.629582
12	Puerto Rico	2018	0.911225	0.642743
13	Puerto Rico	2019	0.924823	0.650285
14	Puerto Rico	2019	0.924823	0.650285
15	Puerto Rico	2019	0.924823	0.650285
16	Puerto Rico	2019	0.924823	0.650285
17	Qatar	1990	0.952955	1.265583
18	Qatar	1991	0.901362	1.196006
19	Qatar	1992	0.878474	1.194201
20	Qatar	1993	0.898298	1.317721
21	Qatar	1994	0.910554	1.544928
22	Qatar	1995	0.875373	1.597969
23	Qatar	1996	0.813587	1.370316
24	Qatar	1997	0.763374	1.260175
25	Qatar	1998	0.741687	1.250523
26	Qatar	1999	0.752939	1.33758
27	Qatar	2000	0.763105	1.470088
28	Qatar	2001	0.776966	1.566502
29	Qatar	2002	0.775655	1.635752
30	Qatar	2003	0.76026	1.672719
31	Qatar	2004	0.769387	1.81363
32	Qatar	2005	0.780175	1.889947
33	Qatar	2005	0.780175	1.889947
34	Qatar	2005	0.780175	1.889947
35	Qatar	2005	0.780175	1.889947
36	Qatar	2005	0.780175	1.889947
37	Qatar	2005	0.780175	1.889947
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Qatar	2006	0.75546	1.899169
Qatar	2007	0.740074	1.926302
Qatar	2008	0.708016	1.953539
Qatar	2009	0.686412	2.077397
Qatar	2010	0.675395	2.109451
Qatar	2011	0.652704	2.009032
Qatar	2012	0.635437	1.934902
Qatar	2013	0.645644	1.98802
Qatar	2014	0.649426	1.950938
Qatar	2015	0.59925	1.734004
Qatar	2016	0.609361	1.770803
Qatar	2017	0.624812	1.811416
Qatar	2018	0.631227	1.877501
Qatar	2019	0.623123	1.904559
Republic of Korea	1990	0.857258	0.549206
Republic of Korea	1991	0.875952	0.551973
Republic of Korea	1992	0.905363	0.563273
Republic of Korea	1993	0.922645	0.569835
Republic of Korea	1994	0.927687	0.567936
Republic of Korea	1995	0.968644	0.600595
Republic of Korea	1996	0.983011	0.618658
Republic of Korea	1997	1.005261	0.628044
Republic of Korea	1998	1.022196	0.634332
Republic of Korea	1999	1.047436	0.6421
Republic of Korea	2000	1.072308	0.652147

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5	Republic of Korea	2001	1.084258	0.656648
6	Republic of Korea	2002	1.098332	0.660852
7	Republic of Korea	2003	1.097612	0.658917
8	Republic of Korea	2004	1.07524	0.647505
9	Republic of Korea	2005	1.071843	0.64214
10	Republic of Korea	2006	1.053906	0.631558
11	Republic of Korea	2007	1.044885	0.623151
12	Republic of Korea	2008	1.029952	0.613718
13	Republic of Korea	2009	1.024996	0.609758
14	Republic of Korea	2010	1.018097	0.600666
15	Republic of Korea	2011	1.014423	0.595254
16	Republic of Korea	2012	1.014457	0.594651
17	Republic of Korea	2013	1.016761	0.598625
18	Republic of Korea	2014	1.009222	0.597557
19	Republic of Korea	2015	1.013167	0.598706
20	Republic of Korea	2016	1.015444	0.601958
21	Republic of Korea	2017	1.00616	0.602647
22	Republic of Korea	2018	1.025879	0.621714
23	Republic of Korea	2019	1.022686	0.625971
24	Republic of Moldova	1990	0.848599	0.515396
25	Republic of Moldova	1991	0.818752	0.511245
26	Republic of Moldova	1992	0.812354	0.508411
27	Republic of Moldova	1993	0.824758	0.520016
28	Republic of Moldova	1994	0.758844	0.496269
29	Republic of Moldova	1995	0.723716	0.482553
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Republic of Moldova	1996	0.715793	0.47752
Republic of Moldova	1997	0.74865	0.492646
Republic of Moldova	1998	0.729586	0.478633
Republic of Moldova	1999	0.75475	0.494013
Republic of Moldova	2000	0.786413	0.514092
Republic of Moldova	2001	0.805144	0.526969
Republic of Moldova	2002	0.881436	0.580425
Republic of Moldova	2003	0.920664	0.606418
Republic of Moldova	2004	0.883634	0.573869
Republic of Moldova	2005	0.825192	0.541935
Republic of Moldova	2006	0.878413	0.571388
Republic of Moldova	2007	0.941002	0.612718
Republic of Moldova	2008	0.957584	0.626718
Republic of Moldova	2009	0.965352	0.637306
Republic of Moldova	2010	0.955516	0.637033
Republic of Moldova	2011	0.986443	0.647917
Republic of Moldova	2012	1.008266	0.659343
Republic of Moldova	2013	1.062256	0.694627
Republic of Moldova	2014	1.059157	0.69576
Republic of Moldova	2015	1.00229	0.644196
Republic of Moldova	2016	1.059686	0.666742
Republic of Moldova	2017	1.114566	0.69188
Republic of Moldova	2018	1.082026	0.672992
Republic of Moldova	2019	1.044547	0.651103
Romania	1990	1.079553	0.866268

Romania	1991	1.086222	0.862351
Romania	1992	1.046153	0.826138
Romania	1993	1.029617	0.80953
Romania	1994	1.012606	0.792177
Romania	1995	1.000688	0.777709
Romania	1996	0.983609	0.758064
Romania	1997	0.959848	0.733464
Romania	1998	0.981335	0.736681
Romania	1999	0.997782	0.738726
Romania	2000	0.994107	0.73164
Romania	2001	0.956077	0.70287
Romania	2002	0.951443	0.694438
Romania	2003	0.945295	0.685769
Romania	2004	0.936806	0.672382
Romania	2005	0.962369	0.686111
Romania	2006	0.981261	0.695823
Romania	2007	1.005379	0.708652
Romania	2008	0.989066	0.694823
Romania	2009	0.998743	0.697203
Romania	2010	0.99074	0.686144
Romania	2011	1.001066	0.685511
Romania	2012	0.997056	0.677662
Romania	2013	1.01578	0.685032
Romania	2014	1.005041	0.674832
Romania	2015	1.007222	0.673017

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Romania	2016	1.00319	0.668504
Romania	2017	1.008839	0.671674
Romania	2018	1.002935	0.667179
Romania	2019	1.007882	0.667713
Russian Federation	1990	1.237604	0.690445
Russian Federation	1991	1.240021	0.696266
Russian Federation	1992	1.175419	0.674369
Russian Federation	1993	1.095619	0.649003
Russian Federation	1994	1.066959	0.643526
Russian Federation	1995	1.088154	0.651418
Russian Federation	1996	1.13313	0.665031
Russian Federation	1997	1.192142	0.685413
Russian Federation	1998	1.203965	0.68899
Russian Federation	1999	1.163027	0.676473
Russian Federation	2000	1.12748	0.660553
Russian Federation	2001	1.143098	0.666437
Russian Federation	2002	1.151992	0.668583
Russian Federation	2003	1.154748	0.670397
Russian Federation	2004	1.162412	0.672801
Russian Federation	2005	1.157706	0.672401
Russian Federation	2006	1.19925	0.68176
Russian Federation	2007	1.232211	0.690174
Russian Federation	2008	1.223246	0.681691
Russian Federation	2009	1.255663	0.690114
Russian Federation	2010	1.250566	0.683559

Russian Federation	2011	1.286702	0.694845
Russian Federation	2012	1.295215	0.692835
Russian Federation	2013	1.305034	0.693218
Russian Federation	2014	1.302006	0.689733
Russian Federation	2015	1.334409	0.703311
Russian Federation	2016	1.344511	0.707135
Russian Federation	2017	1.394103	0.731382
Russian Federation	2018	1.394549	0.735282
Russian Federation	2019	1.381232	0.732034
Rwanda	1990	0.824395	0.650032
Rwanda	1991	0.81081	0.639775
Rwanda	1992	0.782385	0.617991
Rwanda	1993	0.760105	0.601291
Rwanda	1994	0.756358	0.581929
Rwanda	1995	0.759429	0.566516
Rwanda	1996	0.759521	0.566825
Rwanda	1997	0.765052	0.5693
Rwanda	1998	0.787475	0.580555
Rwanda	1999	0.816803	0.597427
Rwanda	2000	0.829663	0.603649
Rwanda	2001	0.843068	0.611413
Rwanda	2002	0.852925	0.615855
Rwanda	2003	0.865838	0.623707
Rwanda	2004	0.873066	0.62669
Rwanda	2005	0.876651	0.629256



Rwanda	2006	0.874617	0.628897
Rwanda	2007	0.878535	0.630917
Rwanda	2008	0.887536	0.635571
Rwanda	2009	0.895936	0.641741
Rwanda	2010	0.908779	0.649458
Rwanda	2011	0.918745	0.656101
Rwanda	2012	0.926945	0.661974
Rwanda	2013	0.939974	0.672839
Rwanda	2014	0.956287	0.683731
Rwanda	2015	0.969773	0.693098
Rwanda	2016	0.978654	0.701247
Rwanda	2017	0.990168	0.711922
Rwanda	2018	0.998336	0.721102
Rwanda	2019	1.006308	0.729699
Saint Kitts and Nevis	1990	0.977618	0.720692
Saint Kitts and Nevis	1991	0.777526	0.583399
Saint Kitts and Nevis	1992	0.785881	0.582392
Saint Kitts and Nevis	1993	0.805116	0.592521
Saint Kitts and Nevis	1994	0.839028	0.608603
Saint Kitts and Nevis	1995	0.876303	0.63063
Saint Kitts and Nevis	1996	0.864655	0.621258
Saint Kitts and Nevis	1997	0.863032	0.618292
Saint Kitts and Nevis	1998	0.870163	0.623277
Saint Kitts and Nevis	1999	0.883872	0.634954
Saint Kitts and Nevis	2000	0.915314	0.659458

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5	Saint Kitts and Nevis	2001	0.928859	0.671865
6	Saint Kitts and Nevis	2002	0.937404	0.681404
7	Saint Kitts and Nevis	2003	0.933207	0.684634
8	Saint Kitts and Nevis	2004	0.939514	0.703626
9	Saint Kitts and Nevis	2005	0.924993	0.701387
10	Saint Kitts and Nevis	2006	0.919201	0.70406
11	Saint Kitts and Nevis	2007	0.915181	0.707981
12	Saint Kitts and Nevis	2008	0.952305	0.723867
13	Saint Kitts and Nevis	2009	0.968373	0.732117
14	Saint Kitts and Nevis	2010	0.954543	0.723024
15	Saint Kitts and Nevis	2011	0.948111	0.715818
16	Saint Kitts and Nevis	2012	0.924673	0.698322
17	Saint Kitts and Nevis	2013	0.918237	0.695838
18	Saint Kitts and Nevis	2014	0.906135	0.692654
19	Saint Kitts and Nevis	2015	0.881642	0.680331
20	Saint Kitts and Nevis	2016	0.867707	0.674668
21	Saint Kitts and Nevis	2017	0.850948	0.666632
22	Saint Kitts and Nevis	2018	0.831812	0.66427
23	Saint Kitts and Nevis	2019	0.750426	0.666059
24	Saint Lucia	1990	0.820367	0.585517
25	Saint Lucia	1991	0.834488	0.602001
26	Saint Lucia	1992	0.850757	0.616906
27	Saint Lucia	1993	0.849089	0.617068
28	Saint Lucia	1994	0.839079	0.615244
29	Saint Lucia	1995	0.835752	0.620428
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5	Saint Lucia	1996	0.802615	0.604438
6	Saint Lucia	1997	0.774274	0.589376
7	Saint Lucia	1998	0.782389	0.602523
8	Saint Lucia	1999	0.790826	0.617421
9	Saint Lucia	2000	0.790218	0.620439
10	Saint Lucia	2001	0.777224	0.604588
11	Saint Lucia	2002	0.758923	0.587237
12	Saint Lucia	2003	0.760145	0.586709
13	Saint Lucia	2004	0.775105	0.596586
14	Saint Lucia	2005	0.798511	0.615856
15	Saint Lucia	2006	0.810371	0.630761
16	Saint Lucia	2007	0.751768	0.58511
17	Saint Lucia	2008	0.741994	0.577525
18	Saint Lucia	2009	0.750507	0.586573
19	Saint Lucia	2010	0.760554	0.601201
20	Saint Lucia	2011	0.809689	0.64893
21	Saint Lucia	2012	0.822286	0.664903
22	Saint Lucia	2013	0.799342	0.645977
23	Saint Lucia	2014	0.801771	0.650044
24	Saint Lucia	2015	0.793431	0.646977
25	Saint Lucia	2016	0.788999	0.642229
26	Saint Lucia	2017	0.784017	0.638882
27	Saint Lucia	2018	0.780336	0.636198
28	Saint Lucia	2019	0.778887	0.635259
29	Saint Vincent and the Grenadines	1990	1.055811	0.779191
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5	Saint Vincent and the Grenadines	1991	1.060365	0.797731
6	Saint Vincent and the Grenadines	1992	1.059923	0.810912
7	Saint Vincent and the Grenadines	1993	1.059589	0.821744
8	Saint Vincent and the Grenadines	1994	1.069537	0.844344
9	Saint Vincent and the Grenadines	1995	0.990095	0.786788
10	Saint Vincent and the Grenadines	1996	0.92571	0.739108
11	Saint Vincent and the Grenadines	1997	0.894478	0.717007
12	Saint Vincent and the Grenadines	1998	0.881609	0.708572
13	Saint Vincent and the Grenadines	1999	0.895191	0.717596
14	Saint Vincent and the Grenadines	2000	0.906901	0.727819
15	Saint Vincent and the Grenadines	2001	0.941204	0.766283
16	Saint Vincent and the Grenadines	2002	0.931621	0.760813
17	Saint Vincent and the Grenadines	2003	0.921101	0.754886
18	Saint Vincent and the Grenadines	2004	0.923713	0.758606
19	Saint Vincent and the Grenadines	2005	0.929897	0.771784
20	Saint Vincent and the Grenadines	2006	0.913858	0.763832
21	Saint Vincent and the Grenadines	2007	0.919976	0.775243
22	Saint Vincent and the Grenadines	2008	0.938457	0.802308
23	Saint Vincent and the Grenadines	2009	0.962495	0.834135
24	Saint Vincent and the Grenadines	2010	0.971071	0.849322
25	Saint Vincent and the Grenadines	2011	0.979049	0.865898
26	Saint Vincent and the Grenadines	2012	0.956986	0.863578
27	Saint Vincent and the Grenadines	2013	0.933168	0.860723
28	Saint Vincent and the Grenadines	2014	0.921409	0.863582
29	Saint Vincent and the Grenadines	2015	0.907507	0.86158
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Saint Vincent and the Grenadines	2016	0.873985	0.842537
Saint Vincent and the Grenadines	2017	0.859361	0.837012
Saint Vincent and the Grenadines	2018	0.845672	0.830576
Saint Vincent and the Grenadines	2019	0.833823	0.82454
Samoa	1990	0.980132	0.843734
Samoa	1991	1.000796	0.860756
Samoa	1992	1.023771	0.880098
Samoa	1993	1.031447	0.887633
Samoa	1994	1.049276	0.904544
Samoa	1995	1.068083	0.922056
Samoa	1996	1.09226	0.944345
Samoa	1997	1.116858	0.967899
Samoa	1998	1.143322	0.993029
Samoa	1999	1.164018	1.012467
Samoa	2000	1.177392	1.024988
Samoa	2001	1.172274	1.021756
Samoa	2002	1.173842	1.024537
Samoa	2003	1.149307	1.003549
Samoa	2004	1.138468	0.993735
Samoa	2005	1.108915	0.967133
Samoa	2006	1.073711	0.93589
Samoa	2007	1.042902	0.907576
Samoa	2008	1.016908	0.884179
Samoa	2009	0.997005	0.866721
Samoa	2010	0.976604	0.849334

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5	Samoa	2011	0.979265	0.852803
6	Samoa	2012	0.968264	0.845265
7	Samoa	2013	0.953319	0.834396
8	Samoa	2014	0.945781	0.83022
9	Samoa	2015	0.951454	0.837853
10	Samoa	2016	0.955475	0.844459
11	Samoa	2017	0.95904	0.851083
12	Samoa	2018	0.959346	0.855019
13	Samoa	2019	0.959927	0.859111
14	San Marino	1990	1.040527	0.662137
15	San Marino	1991	1.034054	0.656258
16	San Marino	1992	1.028794	0.650989
17	San Marino	1993	1.017848	0.641779
18	San Marino	1994	1.014914	0.637147
19	San Marino	1995	1.022855	0.638643
20	San Marino	1996	1.013723	0.629773
21	San Marino	1997	1.0178	0.629635
22	San Marino	1998	1.035194	0.637541
23	San Marino	1999	1.043112	0.639273
24	San Marino	2000	1.061203	0.647772
25	San Marino	2001	1.10068	0.670472
26	San Marino	2002	1.14621	0.698311
27	San Marino	2003	1.202461	0.735765
28	San Marino	2004	1.23389	0.760178
29	San Marino	2005	1.268334	0.786763
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5	San Marino	2006	1.273335	0.794871
6	San Marino	2007	1.275614	0.800868
7	San Marino	2008	1.277743	0.806368
8	San Marino	2009	1.28295	0.813942
9	San Marino	2010	1.285141	0.819464
10	San Marino	2011	1.287608	0.82488
11	San Marino	2012	1.291652	0.831402
12	San Marino	2013	1.289952	0.834102
13	San Marino	2014	1.286467	0.835325
14	San Marino	2015	1.283363	0.83659
15	San Marino	2016	1.277029	0.835106
16	San Marino	2017	1.264401	0.829351
17	San Marino	2018	1.251972	0.823236
18	San Marino	2019	1.24039	0.817325
19	Sao Tome and Principe	1990	1.091374	0.933524
20	Sao Tome and Principe	1991	1.113804	0.953047
21	Sao Tome and Principe	1992	1.139972	0.980625
22	Sao Tome and Principe	1993	1.215059	1.081878
23	Sao Tome and Principe	1994	1.239155	1.109895
24	Sao Tome and Principe	1995	1.238259	1.114617
25	Sao Tome and Principe	1996	1.244594	1.125181
26	Sao Tome and Principe	1997	1.254845	1.138117
27	Sao Tome and Principe	1998	1.258592	1.1408
28	Sao Tome and Principe	1999	1.273254	1.152136
29	Sao Tome and Principe	2000	1.308013	1.172362
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5	Sao Tome and Principe	2001	1.29916	1.159733
6	Sao Tome and Principe	2002	1.282631	1.149629
7	Sao Tome and Principe	2003	1.269253	1.131711
8	Sao Tome and Principe	2004	1.255308	1.12558
9	Sao Tome and Principe	2005	1.212922	1.088347
10	Sao Tome and Principe	2006	1.221649	1.093759
11	Sao Tome and Principe	2007	1.246116	1.111153
12	Sao Tome and Principe	2008	1.226771	1.095035
13	Sao Tome and Principe	2009	1.23417	1.099047
14	Sao Tome and Principe	2010	1.258555	1.117148
15	Sao Tome and Principe	2011	1.232555	1.096997
16	Sao Tome and Principe	2012	1.205056	1.075871
17	Sao Tome and Principe	2013	1.198096	1.069787
18	Sao Tome and Principe	2014	1.213287	1.080153
19	Sao Tome and Principe	2015	1.213986	1.080881
20	Sao Tome and Principe	2016	1.216079	1.082527
21	Sao Tome and Principe	2017	1.219651	1.086355
22	Sao Tome and Principe	2018	1.220924	1.08889
23	Sao Tome and Principe	2019	1.219127	1.08909
24	Saudi Arabia	1990	0.695398	0.829786
25	Saudi Arabia	1991	0.712169	0.854348
26	Saudi Arabia	1992	0.719496	0.867184
27	Saudi Arabia	1993	0.727002	0.878748
28	Saudi Arabia	1994	0.742709	0.898777
29	Saudi Arabia	1995	0.761874	0.922789
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Saudi Arabia	1996	0.784305	0.947356
Saudi Arabia	1997	0.804263	0.967726
Saudi Arabia	1998	0.810679	0.973063
Saudi Arabia	1999	0.816395	0.976741
Saudi Arabia	2000	0.820477	0.983554
Saudi Arabia	2001	0.821211	0.976888
Saudi Arabia	2002	0.827178	0.977433
Saudi Arabia	2003	0.822493	0.962185
Saudi Arabia	2004	0.821679	0.95553
Saudi Arabia	2005	0.815244	0.948694
Saudi Arabia	2006	0.810154	0.94029
Saudi Arabia	2007	0.800765	0.931723
Saudi Arabia	2008	0.786844	0.922069
Saudi Arabia	2009	0.772323	0.91303
Saudi Arabia	2010	0.76119	0.911913
Saudi Arabia	2011	0.745556	0.899816
Saudi Arabia	2012	0.73911	0.89891
Saudi Arabia	2013	0.736146	0.907402
Saudi Arabia	2014	0.739157	0.923105
Saudi Arabia	2015	0.740954	0.940363
Saudi Arabia	2016	0.745207	0.95483
Saudi Arabia	2017	0.752481	0.975445
Saudi Arabia	2018	0.758989	0.995576
Saudi Arabia	2019	0.763422	1.013679
Senegal	1990	0.884747	0.858724

Senegal	1991	0.891844	0.862058
Senegal	1992	0.896679	0.863392
Senegal	1993	0.898105	0.862398
Senegal	1994	0.899111	0.862183
Senegal	1995	0.899343	0.859763
Senegal	1996	0.898532	0.857803
Senegal	1997	0.886586	0.844268
Senegal	1998	0.88376	0.840365
Senegal	1999	0.881527	0.836596
Senegal	2000	0.879275	0.831594
Senegal	2001	0.872506	0.825969
Senegal	2002	0.870204	0.822799
Senegal	2003	0.873973	0.821234
Senegal	2004	0.850079	0.798413
Senegal	2005	0.827835	0.77646
Senegal	2006	0.808141	0.756535
Senegal	2007	0.794045	0.741842
Senegal	2008	0.77887	0.72756
Senegal	2009	0.767907	0.716548
Senegal	2010	0.767865	0.711673
Senegal	2011	0.767131	0.709302
Senegal	2012	0.765409	0.707099
Senegal	2013	0.761534	0.704161
Senegal	2014	0.764675	0.707866
Senegal	2015	0.770795	0.712137

Senegal	2016	0.779506	0.720298
Senegal	2017	0.787654	0.727948
Senegal	2018	0.79524	0.735888
Senegal	2019	0.802915	0.743064
Serbia	1990	0.73799	0.603061
Serbia	1991	0.751915	0.61215
Serbia	1992	0.745895	0.598418
Serbia	1993	0.766901	0.611856
Serbia	1994	0.781888	0.620647
Serbia	1995	0.792746	0.626364
Serbia	1996	0.802507	0.635855
Serbia	1997	0.815138	0.652642
Serbia	1998	0.778837	0.621888
Serbia	1999	0.794648	0.623776
Serbia	2000	0.769534	0.605957
Serbia	2001	0.77247	0.605364
Serbia	2002	0.734907	0.574323
Serbia	2003	0.746359	0.581392
Serbia	2004	0.746084	0.578442
Serbia	2005	0.760475	0.588941
Serbia	2006	0.76393	0.589334
Serbia	2007	0.77937	0.595466
Serbia	2008	0.801348	0.61088
Serbia	2009	0.83196	0.636222
Serbia	2010	0.852949	0.653777

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5	Serbia	2011	0.863156	0.660403
6	Serbia	2012	0.88227	0.670731
7	Serbia	2013	0.853039	0.639376
8	Serbia	2014	0.87394	0.650601
9	Serbia	2015	0.899328	0.670437
10	Serbia	2016	0.926887	0.690613
11	Serbia	2017	0.925711	0.690169
12	Serbia	2018	0.933605	0.693648
13	Serbia	2019	0.933707	0.696426
14	Seychelles	1990	1.017107	0.702428
15	Seychelles	1991	1.020898	0.697742
16	Seychelles	1992	1.022397	0.693457
17	Seychelles	1993	1.02782	0.692034
18	Seychelles	1994	1.017442	0.68456
19	Seychelles	1995	1.016606	0.679526
20	Seychelles	1996	1.045304	0.695115
21	Seychelles	1997	1.092161	0.725276
22	Seychelles	1998	1.128929	0.75104
23	Seychelles	1999	1.142566	0.765246
24	Seychelles	2000	1.186127	0.802943
25	Seychelles	2001	1.202158	0.822396
26	Seychelles	2002	1.188011	0.82041
27	Seychelles	2003	1.171268	0.813173
28	Seychelles	2004	1.209464	0.842131
29	Seychelles	2005	1.169282	0.805472
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5	Seychelles	2006	1.185979	0.818787
6	Seychelles	2007	1.214313	0.845111
7	Seychelles	2008	1.2311	0.859386
8	Seychelles	2009	1.197098	0.834808
9	Seychelles	2010	1.212228	0.867157
10	Seychelles	2011	1.228304	0.902733
11	Seychelles	2012	1.192854	0.880645
12	Seychelles	2013	1.216633	0.907188
13	Seychelles	2014	1.212517	0.925165
14	Seychelles	2015	1.169363	0.915602
15	Seychelles	2016	1.134994	0.909444
16	Seychelles	2017	1.109851	0.89732
17	Seychelles	2018	1.097048	0.897572
18	Seychelles	2019	1.082504	0.898742
19	Sierra Leone	1990	0.787919	0.795377
20	Sierra Leone	1991	0.790962	0.792612
21	Sierra Leone	1992	0.792598	0.791321
22	Sierra Leone	1993	0.792881	0.789444
23	Sierra Leone	1994	0.810527	0.795239
24	Sierra Leone	1995	0.815354	0.795979
25	Sierra Leone	1996	0.830066	0.804332
26	Sierra Leone	1997	0.84446	0.812131
27	Sierra Leone	1998	0.851017	0.812806
28	Sierra Leone	1999	0.863143	0.810965
29	Sierra Leone	2000	0.867725	0.81152
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Sierra Leone	2001	0.870057	0.807892
Sierra Leone	2002	0.88269	0.814524
Sierra Leone	2003	0.887295	0.814107
Sierra Leone	2004	0.904772	0.819484
Sierra Leone	2005	0.902009	0.816075
Sierra Leone	2006	0.904874	0.816248
Sierra Leone	2007	0.908455	0.817708
Sierra Leone	2008	0.9111	0.81823
Sierra Leone	2009	0.916357	0.819564
Sierra Leone	2010	0.905713	0.815749
Sierra Leone	2011	0.90687	0.815569
Sierra Leone	2012	0.900591	0.815611
Sierra Leone	2013	0.898045	0.816791
Sierra Leone	2014	0.901668	0.824467
Sierra Leone	2015	0.894141	0.823506
Sierra Leone	2016	0.895925	0.830446
Sierra Leone	2017	0.895543	0.833929
Sierra Leone	2018	0.89368	0.835265
Sierra Leone	2019	0.891018	0.836793
Singapore	1990	1.163438	0.899451
Singapore	1991	1.129393	0.881363
Singapore	1992	1.153563	0.921822
Singapore	1993	1.116385	0.896281
Singapore	1994	1.076889	0.845189
Singapore	1995	1.050864	0.825318

Singapore	1996	1.071672	0.841391
Singapore	1997	1.106303	0.867415
Singapore	1998	1.083205	0.853333
Singapore	1999	1.096735	0.864456
Singapore	2000	1.107024	0.8751
Singapore	2001	1.12114	0.885171
Singapore	2002	1.135497	0.893845
Singapore	2003	1.181337	0.921314
Singapore	2004	1.240904	0.956691
Singapore	2005	1.124899	0.861722
Singapore	2006	1.140442	0.868721
Singapore	2007	1.129855	0.864193
Singapore	2008	1.16467	0.901644
Singapore	2009	1.191044	0.920265
Singapore	2010	1.184357	0.90915
Singapore	2011	1.179199	0.910006
Singapore	2012	1.200217	0.933094
Singapore	2013	1.208179	0.949316
Singapore	2014	1.211514	0.953871
Singapore	2015	1.211928	0.960929
Singapore	2016	1.199671	0.951955
Singapore	2017	1.233326	0.968313
Singapore	2018	1.219639	0.959599
Singapore	2019	1.250283	0.991418
Slovakia	1990	0.944649	0.647308

Slovakia	1991	0.976455	0.663918
Slovakia	1992	0.955654	0.644376
Slovakia	1993	0.995726	0.665691
Slovakia	1994	1.009351	0.670677
Slovakia	1995	1.017436	0.674329
Slovakia	1996	1.009444	0.668133
Slovakia	1997	1.04119	0.687493
Slovakia	1998	0.992929	0.652283
Slovakia	1999	1.009819	0.657257
Slovakia	2000	0.975233	0.628247
Slovakia	2001	1.011914	0.645803
Slovakia	2002	0.985897	0.625087
Slovakia	2003	1.008043	0.633926
Slovakia	2004	1.051345	0.654676
Slovakia	2005	1.036508	0.64108
Slovakia	2006	1.062665	0.651686
Slovakia	2007	1.109865	0.678383
Slovakia	2008	1.093175	0.663884
Slovakia	2009	1.159077	0.696465
Slovakia	2010	1.148256	0.682306
Slovakia	2011	1.191118	0.703254
Slovakia	2012	1.21351	0.711767
Slovakia	2013	1.232331	0.720047
Slovakia	2014	1.222608	0.714766
Slovakia	2015	1.233158	0.725429



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Slovakia	2016	1.258443	0.742765
Slovakia	2017	1.250698	0.743898
Slovakia	2018	1.27032	0.760949
Slovakia	2019	1.267158	0.765874
Slovenia	1990	1.394688	0.780119
Slovenia	1991	1.410467	0.783523
Slovenia	1992	1.400783	0.768944
Slovenia	1993	1.378885	0.753192
Slovenia	1994	1.367196	0.740969
Slovenia	1995	1.317961	0.708775
Slovenia	1996	1.350995	0.720329
Slovenia	1997	1.295705	0.687694
Slovenia	1998	1.251271	0.658323
Slovenia	1999	1.262306	0.65755
Slovenia	2000	1.298258	0.663913
Slovenia	2001	1.266181	0.640215
Slovenia	2002	1.25989	0.622485
Slovenia	2003	1.165627	0.569175
Slovenia	2004	1.286114	0.622716
Slovenia	2005	1.400384	0.668478
Slovenia	2006	1.322378	0.627958
Slovenia	2007	1.411386	0.663917
Slovenia	2008	1.384634	0.647061
Slovenia	2009	1.44464	0.669581
Slovenia	2010	1.445478	0.668507

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5	Slovenia	2011	1.438805	0.663727
6	Slovenia	2012	1.439959	0.665578
7	Slovenia	2013	1.378243	0.641181
8	Slovenia	2014	1.367799	0.636246
9	Slovenia	2015	1.284322	0.602005
10	Slovenia	2016	1.278014	0.603165
11	Slovenia	2017	1.264785	0.601053
12	Slovenia	2018	1.263189	0.607731
13	Slovenia	2019	1.258858	0.612691
14	Slovenia	2019	1.258858	0.612691
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44	Slovenia	2019	1.258858	0.612691
45	Slovenia	2019	1.258858	0.612691
46	Slovenia	2019	1.258858	0.612691
	Solomon Islands	1990	1.037928	1.144353
	Solomon Islands	1991	1.044417	1.148198
	Solomon Islands	1992	1.056013	1.156976
	Solomon Islands	1993	1.066592	1.164159
	Solomon Islands	1994	1.081983	1.175924
	Solomon Islands	1995	1.097222	1.188241
	Solomon Islands	1996	1.117544	1.206361
	Solomon Islands	1997	1.138033	1.223701
	Solomon Islands	1998	1.159552	1.241819
	Solomon Islands	1999	1.178626	1.257071
	Solomon Islands	2000	1.186507	1.258405
	Solomon Islands	2001	1.182493	1.246874
	Solomon Islands	2002	1.179042	1.236279
	Solomon Islands	2003	1.182097	1.232562
	Solomon Islands	2004	1.190252	1.233961
	Solomon Islands	2005	1.191227	1.229107

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Solomon Islands	2006	1.175755	1.207357
Solomon Islands	2007	1.14858	1.174414
Solomon Islands	2008	1.102099	1.123378
Solomon Islands	2009	1.094535	1.111581
Solomon Islands	2010	1.074319	1.088844
Solomon Islands	2011	1.065332	1.078571
Solomon Islands	2012	1.049638	1.061376
Solomon Islands	2013	1.034952	1.044876
Solomon Islands	2014	1.026433	1.034451
Solomon Islands	2015	1.016654	1.022379
Solomon Islands	2016	1.007093	1.010933
Solomon Islands	2017	0.991614	0.993079
Solomon Islands	2018	0.970301	0.971456
Solomon Islands	2019	0.977609	0.976166
Somalia	1990	0.750322	0.611496
Somalia	1991	0.74324	0.601044
Somalia	1992	0.728936	0.588467
Somalia	1993	0.714142	0.574841
Somalia	1994	0.705603	0.566449
Somalia	1995	0.699071	0.560185
Somalia	1996	0.704283	0.563338
Somalia	1997	0.712917	0.569484
Somalia	1998	0.723135	0.5768
Somalia	1999	0.733781	0.58339
Somalia	2000	0.743	0.588414

Somalia	2001	0.755732	0.596479
Somalia	2002	0.769071	0.604926
Somalia	2003	0.784596	0.615255
Somalia	2004	0.799497	0.62424
Somalia	2005	0.813829	0.632367
Somalia	2006	0.821399	0.634753
Somalia	2007	0.832464	0.639935
Somalia	2008	0.844469	0.644877
Somalia	2009	0.85818	0.653139
Somalia	2010	0.85573	0.64884
Somalia	2011	0.853771	0.646719
Somalia	2012	0.851149	0.646331
Somalia	2013	0.850363	0.64823
Somalia	2014	0.848187	0.649933
Somalia	2015	0.846803	0.652619
Somalia	2016	0.845299	0.654947
Somalia	2017	0.842177	0.656193
Somalia	2018	0.839293	0.655624
Somalia	2019	0.839583	0.657314
South Africa	1990	0.872624	0.604062
South Africa	1991	0.844694	0.582752
South Africa	1992	0.912175	0.626358
South Africa	1993	0.863401	0.593813
South Africa	1994	0.89675	0.613044
South Africa	1995	0.800476	0.54839

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5	South Africa	1996	0.806957	0.550274
6	South Africa	1997	0.857876	0.580401
7	South Africa	1998	0.839139	0.565984
8	South Africa	1999	0.862781	0.575683
9	South Africa	2000	0.883991	0.586252
10	South Africa	2001	0.882307	0.581695
11	South Africa	2002	0.886612	0.581614
12	South Africa	2003	0.883797	0.577566
13	South Africa	2004	0.881778	0.576085
14	South Africa	2005	0.876284	0.573943
15	South Africa	2006	0.875827	0.572977
16	South Africa	2007	0.865365	0.567608
17	South Africa	2008	0.86076	0.56512
18	South Africa	2009	0.858824	0.563312
19	South Africa	2010	0.859822	0.560691
20	South Africa	2011	0.874497	0.566917
21	South Africa	2012	0.883077	0.573793
22	South Africa	2013	0.891229	0.580179
23	South Africa	2014	0.904752	0.590606
24	South Africa	2015	0.907736	0.594396
25	South Africa	2016	0.90994	0.594798
26	South Africa	2017	0.893752	0.587799
27	South Africa	2018	0.874707	0.580501
28	South Africa	2019	0.872436	0.582659
29	South Sudan	1990	0.617642	0.646117
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South Sudan	1991	0.608182	0.639096
South Sudan	1992	0.59649	0.630499
South Sudan	1993	0.583919	0.620618
South Sudan	1994	0.575092	0.614212
South Sudan	1995	0.56239	0.606514
South Sudan	1996	0.563369	0.609884
South Sudan	1997	0.563668	0.611578
South Sudan	1998	0.567632	0.617846
South Sudan	1999	0.571434	0.623961
South Sudan	2000	0.574652	0.628503
South Sudan	2001	0.579118	0.634668
South Sudan	2002	0.583072	0.639749
South Sudan	2003	0.588461	0.647561
South Sudan	2004	0.592934	0.651815
South Sudan	2005	0.600938	0.657757
South Sudan	2006	0.602378	0.65759
South Sudan	2007	0.601339	0.654603
South Sudan	2008	0.600134	0.650473
South Sudan	2009	0.605369	0.654527
South Sudan	2010	0.609132	0.657795
South Sudan	2011	0.617707	0.666383
South Sudan	2012	0.626237	0.674514
South Sudan	2013	0.637096	0.682281
South Sudan	2014	0.646201	0.689662
South Sudan	2015	0.658325	0.698963

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South Sudan	2016	0.66504	0.704405
South Sudan	2017	0.668702	0.710524
South Sudan	2018	0.674969	0.717543
South Sudan	2019	0.681735	0.723315
Spain	1990	1.141463	0.683647
Spain	1991	1.147613	0.682843
Spain	1992	1.158914	0.68726
Spain	1993	1.175718	0.693078
Spain	1994	1.192094	0.698995
Spain	1995	1.19173	0.693909
Spain	1996	1.207036	0.697607
Spain	1997	1.226235	0.7048
Spain	1998	1.217732	0.695168
Spain	1999	1.20048	0.682673
Spain	2000	1.228318	0.693744
Spain	2001	1.242731	0.698067
Spain	2002	1.238513	0.693436
Spain	2003	1.246203	0.693896
Spain	2004	1.251368	0.694341
Spain	2005	1.253901	0.692857
Spain	2006	1.261916	0.693236
Spain	2007	1.25726	0.689482
Spain	2008	1.266641	0.690584
Spain	2009	1.271022	0.691003
Spain	2010	1.264498	0.682622

Spain	2011	1.291473	0.694299
Spain	2012	1.314847	0.704675
Spain	2013	1.344507	0.71982
Spain	2014	1.360219	0.725666
Spain	2015	1.372704	0.730595
Spain	2016	1.381235	0.734868
Spain	2017	1.36967	0.731334
Spain	2018	1.393998	0.747474
Spain	2019	1.395263	0.752339
Sri Lanka	1990	0.565329	0.584802
Sri Lanka	1991	0.578904	0.591445
Sri Lanka	1992	0.585931	0.589963
Sri Lanka	1993	0.613223	0.609778
Sri Lanka	1994	0.622568	0.615605
Sri Lanka	1995	0.602386	0.593602
Sri Lanka	1996	0.63306	0.6159
Sri Lanka	1997	0.659262	0.633113
Sri Lanka	1998	0.676796	0.64036
Sri Lanka	1999	0.692609	0.64573
Sri Lanka	2000	0.697856	0.645993
Sri Lanka	2001	0.702683	0.642068
Sri Lanka	2002	0.734883	0.662004
Sri Lanka	2003	0.748233	0.669226
Sri Lanka	2004	0.782674	0.693991
Sri Lanka	2005	0.793452	0.698699



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Sri Lanka	2006	0.819849	0.71548
Sri Lanka	2007	0.814719	0.702651
Sri Lanka	2008	0.806527	0.685378
Sri Lanka	2009	0.883706	0.741235
Sri Lanka	2010	0.855375	0.717334
Sri Lanka	2011	0.818618	0.683409
Sri Lanka	2012	0.786608	0.649113
Sri Lanka	2013	0.801781	0.655676
Sri Lanka	2014	0.796339	0.645695
Sri Lanka	2015	0.801576	0.645614
Sri Lanka	2016	0.807734	0.645914
Sri Lanka	2017	0.816588	0.648192
Sri Lanka	2018	0.838493	0.661592
Sri Lanka	2019	0.845783	0.662182
Sudan	1990	0.915215	0.883364
Sudan	1991	0.89466	0.868908
Sudan	1992	0.88086	0.859938
Sudan	1993	0.868571	0.852353
Sudan	1994	0.862812	0.850964
Sudan	1995	0.858514	0.851763
Sudan	1996	0.854869	0.853362
Sudan	1997	0.848693	0.851978
Sudan	1998	0.841506	0.849976
Sudan	1999	0.8354	0.848705
Sudan	2000	0.832796	0.850843

Sudan	2001	0.834451	0.85806
Sudan	2002	0.832769	0.861836
Sudan	2003	0.833939	0.869412
Sudan	2004	0.839011	0.879915
Sudan	2005	0.849835	0.89299
Sudan	2006	0.838268	0.884609
Sudan	2007	0.824546	0.874958
Sudan	2008	0.810984	0.865859
Sudan	2009	0.802669	0.861309
Sudan	2010	0.796912	0.861204
Sudan	2011	0.795754	0.865036
Sudan	2012	0.79713	0.870054
Sudan	2013	0.8	0.877201
Sudan	2014	0.808748	0.88856
Sudan	2015	0.816839	0.901218
Sudan	2016	0.822954	0.911158
Sudan	2017	0.829787	0.921163
Sudan	2018	0.833647	0.928108
Sudan	2019	0.836752	0.93243
Suriname	1990	0.787543	0.676472
Suriname	1991	0.773625	0.664525
Suriname	1992	0.762927	0.657532
Suriname	1993	0.735734	0.635602
Suriname	1994	0.730993	0.63073
Suriname	1995	0.749511	0.643204

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Suriname	1996	0.753184	0.648987
Suriname	1997	0.72162	0.620651
Suriname	1998	0.689955	0.59407
Suriname	1999	0.717914	0.623254
Suriname	2000	0.729871	0.626825
Suriname	2001	0.739779	0.625425
Suriname	2002	0.768182	0.652205
Suriname	2003	0.759013	0.647365
Suriname	2004	0.789716	0.673453
Suriname	2005	0.792861	0.669835
Suriname	2006	0.809596	0.685651
Suriname	2007	0.794531	0.673183
Suriname	2008	0.783635	0.659421
Suriname	2009	0.795851	0.66849
Suriname	2010	0.777593	0.653797
Suriname	2011	0.790986	0.667096
Suriname	2012	0.803316	0.677208
Suriname	2013	0.781261	0.653612
Suriname	2014	0.786669	0.651621
Suriname	2015	0.81729	0.675948
Suriname	2016	0.837001	0.69061
Suriname	2017	0.845809	0.696292
Suriname	2018	0.857382	0.703866
Suriname	2019	0.874242	0.715426
Sweden	1990	0.754326	0.463779

Sweden	1991	0.743543	0.454427
Sweden	1992	0.750763	0.455035
Sweden	1993	0.739427	0.445076
Sweden	1994	0.745978	0.44729
Sweden	1995	0.748424	0.448184
Sweden	1996	0.781246	0.465371
Sweden	1997	0.792434	0.470712
Sweden	1998	0.797746	0.471452
Sweden	1999	0.810983	0.477167
Sweden	2000	0.846597	0.497609
Sweden	2001	0.846216	0.497371
Sweden	2002	0.854622	0.502943
Sweden	2003	0.852701	0.503031
Sweden	2004	0.849916	0.501095
Sweden	2005	0.861536	0.509177
Sweden	2006	0.895253	0.529417
Sweden	2007	0.912485	0.538504
Sweden	2008	0.914439	0.542118
Sweden	2009	0.913988	0.54386
Sweden	2010	0.939152	0.560356
Sweden	2011	0.944867	0.567629
Sweden	2012	0.948257	0.574409
Sweden	2013	0.960872	0.587228
Sweden	2014	0.971413	0.598792
Sweden	2015	0.963536	0.59731

Sweden	2016	0.968405	0.604055
Sweden	2017	0.963346	0.608837
Sweden	2018	0.949485	0.613392
Sweden	2019	0.9058	0.598532
Switzerland	1990	1.062104	0.561863
Switzerland	1991	1.085297	0.574003
Switzerland	1992	1.118409	0.592365
Switzerland	1993	1.151731	0.609078
Switzerland	1994	1.192699	0.630941
Switzerland	1995	1.214237	0.642122
Switzerland	1996	1.241375	0.653118
Switzerland	1997	1.258971	0.662246
Switzerland	1998	1.265703	0.664328
Switzerland	1999	1.290294	0.675357
Switzerland	2000	1.342631	0.69972
Switzerland	2001	1.37058	0.709901
Switzerland	2002	1.38254	0.715449
Switzerland	2003	1.407761	0.727
Switzerland	2004	1.433706	0.740367
Switzerland	2005	1.469206	0.757813
Switzerland	2006	1.471483	0.759842
Switzerland	2007	1.473616	0.761116
Switzerland	2008	1.497778	0.778024
Switzerland	2009	1.497785	0.78351
Switzerland	2010	1.481958	0.781891

Switzerland	2011	1.467667	0.77742
Switzerland	2012	1.488953	0.789545
Switzerland	2013	1.487406	0.790652
Switzerland	2014	1.488658	0.792981
Switzerland	2015	1.465689	0.780309
Switzerland	2016	1.478698	0.796645
Switzerland	2017	1.447048	0.795428
Switzerland	2018	1.438361	0.801749
Switzerland	2019	1.413788	0.800998
Syrian Arab Republic	1990	0.917479	1.018136
Syrian Arab Republic	1991	0.91471	1.035383
Syrian Arab Republic	1992	0.91309	1.052004
Syrian Arab Republic	1993	0.888644	1.046973
Syrian Arab Republic	1994	0.905732	1.091777
Syrian Arab Republic	1995	0.9339	1.155488
Syrian Arab Republic	1996	0.935203	1.179075
Syrian Arab Republic	1997	0.926363	1.188127
Syrian Arab Republic	1998	0.940655	1.218168
Syrian Arab Republic	1999	0.924891	1.217608
Syrian Arab Republic	2000	0.917348	1.226316
Syrian Arab Republic	2001	0.901886	1.202629
Syrian Arab Republic	2002	0.891482	1.176015
Syrian Arab Republic	2003	0.877832	1.168175
Syrian Arab Republic	2004	0.894141	1.205428
Syrian Arab Republic	2005	0.891503	1.221358

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5	Syrian Arab Republic	2006	0.89491	1.244382
6	Syrian Arab Republic	2007	0.875609	1.230146
7	Syrian Arab Republic	2008	0.854031	1.180682
8	Syrian Arab Republic	2009	0.870141	1.206509
9	Syrian Arab Republic	2010	0.909359	1.261294
10	Syrian Arab Republic	2011	0.9272	1.277259
11	Syrian Arab Republic	2012	0.939035	1.265399
12	Syrian Arab Republic	2013	0.958657	1.276741
13	Syrian Arab Republic	2014	0.975687	1.28192
14	Syrian Arab Republic	2015	0.986622	1.266201
15	Syrian Arab Republic	2016	0.993034	1.255924
16	Syrian Arab Republic	2017	0.998276	1.248525
17	Syrian Arab Republic	2018	1.004023	1.245232
18	Syrian Arab Republic	2019	1.005204	1.238992
19	Taiwan (Province of China)	1990	0.985425	1.011569
20	Taiwan (Province of China)	1991	0.995354	1.029026
21	Taiwan (Province of China)	1992	0.985887	1.02406
22	Taiwan (Province of China)	1993	0.989273	1.033343
23	Taiwan (Province of China)	1994	0.954842	1.005088
24	Taiwan (Province of China)	1995	0.961873	1.010782
25	Taiwan (Province of China)	1996	0.968368	1.020645
26	Taiwan (Province of China)	1997	0.964296	1.015286
27	Taiwan (Province of China)	1998	0.979169	1.027264
28	Taiwan (Province of China)	1999	1.002197	1.050918
29	Taiwan (Province of China)	2000	1.009383	1.056412
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Taiwan (Province of China)	2001	1.009354	1.054034
Taiwan (Province of China)	2002	1.006938	1.043543
Taiwan (Province of China)	2003	1.017283	1.046037
Taiwan (Province of China)	2004	0.985298	1.009895
Taiwan (Province of China)	2005	0.980931	0.996768
Taiwan (Province of China)	2006	0.960976	0.966534
Taiwan (Province of China)	2007	0.981744	0.975252
Taiwan (Province of China)	2008	0.983518	0.965808
Taiwan (Province of China)	2009	0.999055	0.974124
Taiwan (Province of China)	2010	1.015987	0.975085
Taiwan (Province of China)	2011	0.98816	0.932321
Taiwan (Province of China)	2012	1.011285	0.935788
Taiwan (Province of China)	2013	1.014673	0.921141
Taiwan (Province of China)	2014	1.017774	0.913073
Taiwan (Province of China)	2015	1.017308	0.894752
Taiwan (Province of China)	2016	1.028637	0.885786
Taiwan (Province of China)	2017	1.049592	0.8845
Taiwan (Province of China)	2018	1.075771	0.889571
Taiwan (Province of China)	2019	1.085295	0.890293
Tajikistan	1990	1.073056	0.767723
Tajikistan	1991	1.087627	0.781103
Tajikistan	1992	1.074775	0.788456
Tajikistan	1993	1.104223	0.815629
Tajikistan	1994	1.111487	0.817704
Tajikistan	1995	1.082798	0.781517



Tajikistan	1996	0.997321	0.703395
Tajikistan	1997	1.021929	0.708641
Tajikistan	1998	1.09509	0.757133
Tajikistan	1999	1.097986	0.769817
Tajikistan	2000	1.075764	0.773095
Tajikistan	2001	1.058164	0.766786
Tajikistan	2002	0.994554	0.740537
Tajikistan	2003	0.967197	0.738701
Tajikistan	2004	0.958714	0.745795
Tajikistan	2005	0.927086	0.725698
Tajikistan	2006	0.886752	0.692502
Tajikistan	2007	0.862094	0.673144
Tajikistan	2008	0.850079	0.661517
Tajikistan	2009	0.847407	0.659561
Tajikistan	2010	0.845459	0.657416
Tajikistan	2011	0.850017	0.665894
Tajikistan	2012	0.844328	0.666285
Tajikistan	2013	0.828206	0.64234
Tajikistan	2014	0.821117	0.634306
Tajikistan	2015	0.821088	0.630952
Tajikistan	2016	0.82218	0.628012
Tajikistan	2017	0.840047	0.6362
Tajikistan	2018	0.858145	0.653595
Tajikistan	2019	0.86892	0.663584
Thailand	1990	0.681059	0.588169

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5	Thailand	1991	0.680018	0.593022
6	Thailand	1992	0.670693	0.590228
7	Thailand	1993	0.657486	0.586194
8	Thailand	1994	0.642782	0.582624
9	Thailand	1995	0.629929	0.578302
10	Thailand	1996	0.647371	0.596895
11	Thailand	1997	0.687893	0.630446
12	Thailand	1998	0.706685	0.61792
13	Thailand	1999	0.762966	0.658819
14	Thailand	2000	0.841298	0.719716
15	Thailand	2001	0.932113	0.799463
16	Thailand	2002	1.033857	0.882983
17	Thailand	2003	1.098239	0.934802
18	Thailand	2004	1.172291	0.993394
19	Thailand	2005	1.228727	1.038246
20	Thailand	2006	1.247513	1.050587
21	Thailand	2007	1.266169	1.065646
22	Thailand	2008	1.276799	1.071992
23	Thailand	2009	1.271683	1.063155
24	Thailand	2010	1.270152	1.059761
25	Thailand	2011	1.247955	1.040133
26	Thailand	2012	1.227875	1.01986
27	Thailand	2013	1.211694	1.00092
28	Thailand	2014	1.194524	0.980393
29	Thailand	2015	1.165776	0.949129
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5	Thailand	2016	1.156813	0.934726
6	Thailand	2017	1.164108	0.932472
7	Thailand	2018	1.183666	0.940038
8	Thailand	2019	1.203826	0.949717
9	Timor-Leste	1990	1.196681	1.155464
10	Timor-Leste	1991	1.183547	1.14905
11	Timor-Leste	1992	1.181926	1.153336
12	Timor-Leste	1993	1.18303	1.159541
13	Timor-Leste	1994	1.182152	1.16208
14	Timor-Leste	1995	1.180636	1.156541
15	Timor-Leste	1996	1.170038	1.148286
16	Timor-Leste	1997	1.164627	1.146855
17	Timor-Leste	1998	1.154785	1.144469
18	Timor-Leste	1999	1.124982	1.120679
19	Timor-Leste	2000	1.09484	1.088144
20	Timor-Leste	2001	1.068454	1.065474
21	Timor-Leste	2002	1.044813	1.045044
22	Timor-Leste	2003	1.021296	1.023366
23	Timor-Leste	2004	1.004261	1.007189
24	Timor-Leste	2005	0.995047	0.99295
25	Timor-Leste	2006	0.983217	0.979306
26	Timor-Leste	2007	0.97809	0.972303
27	Timor-Leste	2008	0.972901	0.96515
28	Timor-Leste	2009	0.958798	0.950179
29	Timor-Leste	2010	0.946263	0.931787
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Timor-Leste	2011	0.944849	0.929167
Timor-Leste	2012	0.937733	0.922057
Timor-Leste	2013	0.933499	0.917589
Timor-Leste	2014	0.93137	0.915053
Timor-Leste	2015	0.931167	0.907643
Timor-Leste	2016	0.928885	0.902893
Timor-Leste	2017	0.923472	0.896569
Timor-Leste	2018	0.919177	0.891868
Timor-Leste	2019	0.914942	0.887747
Togo	1990	0.962346	0.830838
Togo	1991	0.950342	0.818605
Togo	1992	0.930765	0.801384
Togo	1993	0.906439	0.7784
Togo	1994	0.88443	0.755182
Togo	1995	0.860386	0.73047
Togo	1996	0.836479	0.708339
Togo	1997	0.828206	0.695167
Togo	1998	0.809561	0.674108
Togo	1999	0.790023	0.656131
Togo	2000	0.780961	0.645704
Togo	2001	0.770827	0.6343
Togo	2002	0.774135	0.631214
Togo	2003	0.770561	0.623609
Togo	2004	0.764903	0.614684
Togo	2005	0.761828	0.607812

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Togo	2006	0.761196	0.602424
Togo	2007	0.771884	0.603577
Togo	2008	0.773679	0.597014
Togo	2009	0.777731	0.597059
Togo	2010	0.780742	0.597078
Togo	2011	0.791777	0.600911
Togo	2012	0.807868	0.605235
Togo	2013	0.817276	0.606995
Togo	2014	0.824303	0.612965
Togo	2015	0.831794	0.618577
Togo	2016	0.842748	0.627372
Togo	2017	0.857032	0.634987
Togo	2018	0.871302	0.642024
Togo	2019	0.880134	0.6488
Tokelau	1990	1.654136	1.365381
Tokelau	1991	1.642666	1.35864
Tokelau	1992	1.620669	1.35639
Tokelau	1993	1.593963	1.351673
Tokelau	1994	1.576672	1.351523
Tokelau	1995	1.567959	1.352706
Tokelau	1996	1.573466	1.356843
Tokelau	1997	1.591125	1.360109
Tokelau	1998	1.621783	1.361206
Tokelau	1999	1.651438	1.353628
Tokelau	2000	1.677927	1.343664

Tokelau	2001	1.68679	1.32952
Tokelau	2002	1.678846	1.323954
Tokelau	2003	1.646445	1.313106
Tokelau	2004	1.619364	1.314728
Tokelau	2005	1.551954	1.285902
Tokelau	2006	1.493012	1.260807
Tokelau	2007	1.434987	1.228593
Tokelau	2008	1.397422	1.202485
Tokelau	2009	1.37992	1.185755
Tokelau	2010	1.373876	1.178019
Tokelau	2011	1.361942	1.171336
Tokelau	2012	1.345399	1.168842
Tokelau	2013	1.328842	1.169288
Tokelau	2014	1.305957	1.165686
Tokelau	2015	1.28582	1.16589
Tokelau	2016	1.265894	1.168574
Tokelau	2017	1.255581	1.18055
Tokelau	2018	1.248531	1.189306
Tokelau	2019	1.245695	1.197551
Tonga	1990	1.137947	0.954422
Tonga	1991	1.150946	0.963223
Tonga	1992	1.153805	0.956807
Tonga	1993	1.175571	0.972467
Tonga	1994	1.198633	0.991896
Tonga	1995	1.222674	1.012158

Tonga	1996	1.214661	1.004611
Tonga	1997	1.215995	1.005481
Tonga	1998	1.184864	0.982384
Tonga	1999	1.116171	0.924504
Tonga	2000	1.092365	0.89794
Tonga	2001	1.072194	0.876573
Tonga	2002	1.025257	0.834568
Tonga	2003	0.987728	0.798999
Tonga	2004	0.996284	0.801134
Tonga	2005	1.010378	0.812375
Tonga	2006	0.959076	0.770036
Tonga	2007	0.91288	0.731886
Tonga	2008	0.87431	0.699518
Tonga	2009	0.844102	0.673292
Tonga	2010	0.824036	0.655058
Tonga	2011	0.811065	0.642886
Tonga	2012	0.803065	0.634647
Tonga	2013	0.79368	0.625524
Tonga	2014	0.789094	0.620129
Tonga	2015	0.790241	0.619271
Tonga	2016	0.79346	0.620084
Tonga	2017	0.803721	0.626275
Tonga	2018	0.811761	0.630899
Tonga	2019	0.819439	0.635363
Trinidad and Tobago	1990	0.600964	0.489801

Trinidad and Tobago	1991	0.627662	0.515626
Trinidad and Tobago	1992	0.606567	0.504513
Trinidad and Tobago	1993	0.64273	0.535968
Trinidad and Tobago	1994	0.643704	0.538284
Trinidad and Tobago	1995	0.699835	0.588405
Trinidad and Tobago	1996	0.630826	0.534858
Trinidad and Tobago	1997	0.670581	0.56774
Trinidad and Tobago	1998	0.668419	0.570753
Trinidad and Tobago	1999	0.693004	0.596655
Trinidad and Tobago	2000	0.721773	0.621557
Trinidad and Tobago	2001	0.707633	0.612719
Trinidad and Tobago	2002	0.708067	0.617553
Trinidad and Tobago	2003	0.702159	0.617369
Trinidad and Tobago	2004	0.719421	0.631428
Trinidad and Tobago	2005	0.697426	0.612803
Trinidad and Tobago	2006	0.752942	0.660694
Trinidad and Tobago	2007	0.769876	0.675302
Trinidad and Tobago	2008	0.726015	0.637953
Trinidad and Tobago	2009	0.751312	0.6574
Trinidad and Tobago	2010	0.747563	0.654669
Trinidad and Tobago	2011	0.748961	0.657407
Trinidad and Tobago	2012	0.758825	0.666719
Trinidad and Tobago	2013	0.75465	0.661016
Trinidad and Tobago	2014	0.74257	0.650544
Trinidad and Tobago	2015	0.728443	0.637884



Trinidad and Tobago	2016	0.714285	0.622822
Trinidad and Tobago	2017	0.708588	0.617215
Trinidad and Tobago	2018	0.705777	0.614191
Trinidad and Tobago	2019	0.700642	0.609275
Tunisia	1990	0.922362	0.92216
Tunisia	1991	0.91466	0.908992
Tunisia	1992	0.909486	0.907232
Tunisia	1993	0.893286	0.890379
Tunisia	1994	0.889422	0.885243
Tunisia	1995	0.915137	0.907174
Tunisia	1996	0.915833	0.904284
Tunisia	1997	0.911858	0.905111
Tunisia	1998	0.906945	0.898084
Tunisia	1999	0.902886	0.889968
Tunisia	2000	0.895207	0.874845
Tunisia	2001	0.896714	0.870498
Tunisia	2002	0.901627	0.869276
Tunisia	2003	0.896903	0.853638
Tunisia	2004	0.907776	0.856652
Tunisia	2005	0.920709	0.861737
Tunisia	2006	0.929556	0.86298
Tunisia	2007	0.942838	0.870231
Tunisia	2008	0.955568	0.877671
Tunisia	2009	0.960409	0.877045
Tunisia	2010	0.968509	0.879379

Tunisia	2011	0.982912	0.888732
Tunisia	2012	0.990537	0.890952
Tunisia	2013	1.002731	0.897425
Tunisia	2014	1.014181	0.903306
Tunisia	2015	1.026315	0.91006
Tunisia	2016	1.03649	0.914533
Tunisia	2017	1.04578	0.918231
Tunisia	2018	1.05692	0.925188
Tunisia	2019	1.070279	0.935564
Turkey	1990	0.882338	0.747628
Turkey	1991	0.923351	0.791123
Turkey	1992	0.923977	0.795548
Turkey	1993	0.926172	0.800107
Turkey	1994	0.950114	0.827933
Turkey	1995	0.9474	0.825339
Turkey	1996	0.922129	0.799142
Turkey	1997	0.877222	0.74673
Turkey	1998	0.865027	0.727694
Turkey	1999	0.904444	0.768061
Turkey	2000	0.915587	0.780539
Turkey	2001	0.842519	0.690307
Turkey	2002	0.776753	0.607787
Turkey	2003	0.77808	0.597431
Turkey	2004	0.785448	0.592462
Turkey	2005	0.826471	0.620965

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Turkey	2006	0.899691	0.676278
Turkey	2007	0.989343	0.75242
Turkey	2008	1.072288	0.831128
Turkey	2009	1.07198	0.851161
Turkey	2010	1.058503	0.849826
Turkey	2011	1.045949	0.845235
Turkey	2012	1.043623	0.847286
Turkey	2013	1.048438	0.855723
Turkey	2014	1.041235	0.848401
Turkey	2015	1.054692	0.857405
Turkey	2016	1.081499	0.880422
Turkey	2017	1.101105	0.900345
Turkey	2018	1.116604	0.915779
Turkey	2019	1.122	0.920632
Turkmenistan	1990	1.024385	0.767814
Turkmenistan	1991	1.045253	0.777121
Turkmenistan	1992	1.073674	0.808289
Turkmenistan	1993	1.021469	0.770932
Turkmenistan	1994	0.985844	0.746882
Turkmenistan	1995	0.97205	0.741217
Turkmenistan	1996	0.92706	0.713066
Turkmenistan	1997	0.900121	0.699398
Turkmenistan	1998	0.849848	0.6639
Turkmenistan	1999	0.840053	0.656002
Turkmenistan	2000	0.836794	0.655332

Turkmenistan	2001	0.85116	0.669704
Turkmenistan	2002	0.841139	0.66648
Turkmenistan	2003	0.803498	0.640381
Turkmenistan	2004	0.779975	0.625078
Turkmenistan	2005	0.77615	0.626214
Turkmenistan	2006	0.78764	0.638138
Turkmenistan	2007	0.762627	0.622647
Turkmenistan	2008	0.768426	0.627439
Turkmenistan	2009	0.78346	0.63939
Turkmenistan	2010	0.784212	0.642602
Turkmenistan	2011	0.800166	0.659001
Turkmenistan	2012	0.804281	0.665747
Turkmenistan	2013	0.75502	0.629872
Turkmenistan	2014	0.730527	0.612734
Turkmenistan	2015	0.700143	0.590465
Turkmenistan	2016	0.706254	0.596266
Turkmenistan	2017	0.704075	0.595532
Turkmenistan	2018	0.696381	0.58806
Turkmenistan	2019	0.694862	0.587712
Tuvalu	1990	1.28414	0.882899
Tuvalu	1991	1.271231	0.881089
Tuvalu	1992	1.266315	0.883443
Tuvalu	1993	1.277371	0.895488
Tuvalu	1994	1.270392	0.895911
Tuvalu	1995	1.282723	0.910113

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Tuvalu	1996	1.28478	0.918413
Tuvalu	1997	1.283959	0.924284
Tuvalu	1998	1.26629	0.918439
Tuvalu	1999	1.265058	0.923673
Tuvalu	2000	1.27034	0.933788
Tuvalu	2001	1.248973	0.927207
Tuvalu	2002	1.230434	0.923587
Tuvalu	2003	1.209399	0.917821
Tuvalu	2004	1.19759	0.918897
Tuvalu	2005	1.160623	0.900505
Tuvalu	2006	1.128669	0.885957
Tuvalu	2007	1.088976	0.86284
Tuvalu	2008	1.055329	0.843309
Tuvalu	2009	1.029277	0.829027
Tuvalu	2010	1.0103	0.819353
Tuvalu	2011	0.990434	0.809332
Tuvalu	2012	0.972895	0.800738
Tuvalu	2013	0.958254	0.793897
Tuvalu	2014	0.943162	0.785966
Tuvalu	2015	0.932401	0.780965
Tuvalu	2016	0.922036	0.777291
Tuvalu	2017	0.917452	0.777446
Tuvalu	2018	0.911409	0.776202
Tuvalu	2019	0.904083	0.774402
Uganda	1990	0.548236	0.504404

Uganda	1991	0.54013	0.490464
Uganda	1992	0.536199	0.480626
Uganda	1993	0.535278	0.47393
Uganda	1994	0.53796	0.471558
Uganda	1995	0.539955	0.468542
Uganda	1996	0.54526	0.469057
Uganda	1997	0.557288	0.474044
Uganda	1998	0.574814	0.482678
Uganda	1999	0.592851	0.492126
Uganda	2000	0.61163	0.502468
Uganda	2001	0.625378	0.50938
Uganda	2002	0.635621	0.514315
Uganda	2003	0.640481	0.516736
Uganda	2004	0.646589	0.518975
Uganda	2005	0.650511	0.520499
Uganda	2006	0.647978	0.517671
Uganda	2007	0.639278	0.511191
Uganda	2008	0.630149	0.504185
Uganda	2009	0.628857	0.503771
Uganda	2010	0.634139	0.506062
Uganda	2011	0.637465	0.508293
Uganda	2012	0.645277	0.514361
Uganda	2013	0.659301	0.522239
Uganda	2014	0.668866	0.527592
Uganda	2015	0.675581	0.531943

Uganda	2016	0.680967	0.534655
Uganda	2017	0.68842	0.542143
Uganda	2018	0.697821	0.550123
Uganda	2019	0.70498	0.556486
Ukraine	1990	1.26884	0.535379
Ukraine	1991	1.265186	0.53084
Ukraine	1992	1.259455	0.527745
Ukraine	1993	1.283322	0.535352
Ukraine	1994	1.266652	0.530396
Ukraine	1995	1.223648	0.518507
Ukraine	1996	1.228618	0.517985
Ukraine	1997	1.257429	0.526083
Ukraine	1998	1.284121	0.532463
Ukraine	1999	1.261957	0.528379
Ukraine	2000	1.222739	0.518315
Ukraine	2001	1.218068	0.524698
Ukraine	2002	1.187573	0.52938
Ukraine	2003	1.17885	0.542352
Ukraine	2004	1.125673	0.539554
Ukraine	2005	1.059571	0.529521
Ukraine	2006	1.058946	0.534629
Ukraine	2007	1.027918	0.531838
Ukraine	2008	1.014702	0.529647
Ukraine	2009	1.082432	0.551625
Ukraine	2010	1.100984	0.556521

Ukraine	2011	1.11073	0.562062
Ukraine	2012	1.116488	0.569273
Ukraine	2013	1.124589	0.579758
Ukraine	2014	1.152312	0.594726
Ukraine	2015	1.004352	0.550619
Ukraine	2016	1.038161	0.568166
Ukraine	2017	1.040673	0.563753
Ukraine	2018	1.031214	0.550653
Ukraine	2019	1.034153	0.548031
United Arab Emirates	1990	0.508775	1.055819
United Arab Emirates	1991	0.503032	1.069792
United Arab Emirates	1992	0.488118	1.067824
United Arab Emirates	1993	0.474784	1.069098
United Arab Emirates	1994	0.469924	1.103837
United Arab Emirates	1995	0.458375	1.106888
United Arab Emirates	1996	0.453324	1.114917
United Arab Emirates	1997	0.449076	1.143774
United Arab Emirates	1998	0.443761	1.145591
United Arab Emirates	1999	0.438082	1.140382
United Arab Emirates	2000	0.423761	1.063493
United Arab Emirates	2001	0.423709	1.065669
United Arab Emirates	2002	0.421871	1.066846
United Arab Emirates	2003	0.469095	1.226409
United Arab Emirates	2004	0.51104	1.461019
United Arab Emirates	2005	0.502397	1.530846



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United Arab Emirates	2006	0.484336	1.642268
United Arab Emirates	2007	0.455707	1.872718
United Arab Emirates	2008	0.414353	1.915966
United Arab Emirates	2009	0.386944	1.959882
United Arab Emirates	2010	0.377203	1.975313
United Arab Emirates	2011	0.372044	2.007443
United Arab Emirates	2012	0.369703	2.035482
United Arab Emirates	2013	0.353789	1.824708
United Arab Emirates	2014	0.302003	1.068639
United Arab Emirates	2015	0.308823	1.083892
United Arab Emirates	2016	0.313736	1.095106
United Arab Emirates	2017	0.317355	1.102036
United Arab Emirates	2018	0.322685	1.113433
United Arab Emirates	2019	0.328024	1.123091
United Kingdom	1990	1.193318	0.623683
United Kingdom	1991	1.185042	0.617732
United Kingdom	1992	1.191903	0.620316
United Kingdom	1993	1.18015	0.616627
United Kingdom	1994	1.184645	0.623098
United Kingdom	1995	1.165368	0.618961
United Kingdom	1996	1.162815	0.622685
United Kingdom	1997	1.162376	0.626324
United Kingdom	1998	1.151615	0.626223
United Kingdom	1999	1.132918	0.618551
United Kingdom	2000	1.133772	0.621896

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5	United Kingdom	2001	1.125533	0.620902
6	United Kingdom	2002	1.116016	0.619005
7	United Kingdom	2003	1.130571	0.631655
8	United Kingdom	2004	1.141036	0.64618
9	United Kingdom	2005	1.149652	0.659761
10	United Kingdom	2006	1.140951	0.661428
11	United Kingdom	2007	1.151446	0.673374
12	United Kingdom	2008	1.158662	0.683882
13	United Kingdom	2009	1.170397	0.694055
14	United Kingdom	2010	1.196585	0.709307
15	United Kingdom	2011	1.225876	0.723568
16	United Kingdom	2012	1.252109	0.736999
17	United Kingdom	2013	1.261349	0.746707
18	United Kingdom	2014	1.272174	0.763126
19	United Kingdom	2015	1.2565	0.769459
20	United Kingdom	2016	1.240504	0.775236
21	United Kingdom	2017	1.21352	0.77185
22	United Kingdom	2018	1.186146	0.766796
23	United Kingdom	2019	1.164712	0.764333
24	United Republic of Tanzania	1990	0.781522	0.703391
25	United Republic of Tanzania	1991	0.770668	0.692076
26	United Republic of Tanzania	1992	0.762312	0.682524
27	United Republic of Tanzania	1993	0.757432	0.675606
28	United Republic of Tanzania	1994	0.754777	0.669585
29	United Republic of Tanzania	1995	0.754556	0.665336
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5	United Republic of Tanzania	1996	0.753179	0.660656
6	United Republic of Tanzania	1997	0.755772	0.65939
7	United Republic of Tanzania	1998	0.762045	0.661406
8	United Republic of Tanzania	1999	0.758868	0.656168
9	United Republic of Tanzania	2000	0.75477	0.650069
10	United Republic of Tanzania	2001	0.761333	0.652433
11	United Republic of Tanzania	2002	0.775263	0.660039
12	United Republic of Tanzania	2003	0.799231	0.675537
13	United Republic of Tanzania	2004	0.817084	0.687831
14	United Republic of Tanzania	2005	0.833331	0.699574
15	United Republic of Tanzania	2006	0.849816	0.70961
16	United Republic of Tanzania	2007	0.863137	0.718822
17	United Republic of Tanzania	2008	0.871853	0.726302
18	United Republic of Tanzania	2009	0.88892	0.738823
19	United Republic of Tanzania	2010	0.911233	0.758888
20	United Republic of Tanzania	2011	0.934464	0.780506
21	United Republic of Tanzania	2012	0.944435	0.790545
22	United Republic of Tanzania	2013	0.95813	0.803793
23	United Republic of Tanzania	2014	0.961943	0.812238
24	United Republic of Tanzania	2015	0.967976	0.817986
25	United Republic of Tanzania	2016	0.970737	0.825863
26	United Republic of Tanzania	2017	0.976471	0.836559
27	United Republic of Tanzania	2018	0.97822	0.842363
28	United Republic of Tanzania	2019	0.979223	0.848354
29	United States of America	1990	1.121959	0.673713
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United States of America	1991	1.121152	0.673792
United States of America	1992	1.118823	0.672728
United States of America	1993	1.117914	0.672485
United States of America	1994	1.127135	0.678043
United States of America	1995	1.130951	0.681682
United States of America	1996	1.147801	0.692919
United States of America	1997	1.160897	0.703666
United States of America	1998	1.167934	0.711278
United States of America	1999	1.175995	0.721325
United States of America	2000	1.185469	0.731829
United States of America	2001	1.184596	0.736947
United States of America	2002	1.166022	0.730166
United States of America	2003	1.156228	0.729609
United States of America	2004	1.162079	0.737919
United States of America	2005	1.161446	0.741989
United States of America	2006	1.170441	0.752624
United States of America	2007	1.176848	0.761583
United States of America	2008	1.157902	0.754912
United States of America	2009	1.137414	0.747998
United States of America	2010	1.112516	0.737069
United States of America	2011	1.100105	0.735527
United States of America	2012	1.079197	0.728297
United States of America	2013	1.052712	0.717797
United States of America	2014	1.045775	0.71982
United States of America	2015	1.036761	0.720233

United States of America	2016	1.018288	0.714376
United States of America	2017	0.997852	0.705882
United States of America	2018	0.970738	0.689814
United States of America	2019	0.99178	0.704414
United States Virgin Islands	1990	0.873088	0.721712
United States Virgin Islands	1991	0.874237	0.725185
United States Virgin Islands	1992	0.870862	0.721844
United States Virgin Islands	1993	0.870139	0.720392
United States Virgin Islands	1994	0.875963	0.723101
United States Virgin Islands	1995	0.910227	0.749649
United States Virgin Islands	1996	0.91449	0.749982
United States Virgin Islands	1997	0.925431	0.756183
United States Virgin Islands	1998	0.934782	0.760012
United States Virgin Islands	1999	0.930633	0.751762
United States Virgin Islands	2000	0.956607	0.762725
United States Virgin Islands	2001	0.955895	0.760227
United States Virgin Islands	2002	0.959703	0.761204
United States Virgin Islands	2003	0.960362	0.761988
United States Virgin Islands	2004	0.96685	0.766782
United States Virgin Islands	2005	0.964826	0.766372
United States Virgin Islands	2006	0.926507	0.744328
United States Virgin Islands	2007	0.733662	0.621569
United States Virgin Islands	2008	0.734813	0.619853
United States Virgin Islands	2009	0.740848	0.622809
United States Virgin Islands	2010	0.746643	0.624255

United States Virgin Islands	2011	0.748312	0.62212
United States Virgin Islands	2012	0.74953	0.619269
United States Virgin Islands	2013	0.748915	0.614179
United States Virgin Islands	2014	0.746855	0.60744
United States Virgin Islands	2015	0.742282	0.598189
United States Virgin Islands	2016	0.742383	0.591309
United States Virgin Islands	2017	0.750479	0.590251
United States Virgin Islands	2018	0.761021	0.590597
United States Virgin Islands	2019	0.771097	0.590125
Uruguay	1990	0.787892	0.531212
Uruguay	1991	0.815435	0.545513
Uruguay	1992	0.792603	0.529812
Uruguay	1993	0.792372	0.527085
Uruguay	1994	0.782112	0.517604
Uruguay	1995	0.776781	0.509406
Uruguay	1996	0.77837	0.508201
Uruguay	1997	0.800527	0.519526
Uruguay	1998	0.786886	0.508517
Uruguay	1999	0.810708	0.520204
Uruguay	2000	0.821543	0.525213
Uruguay	2001	0.846287	0.538567
Uruguay	2002	0.836056	0.528477
Uruguay	2003	0.864479	0.540434
Uruguay	2004	0.894154	0.553194
Uruguay	2005	0.908873	0.560506

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Uruguay	2006	0.913924	0.560684
Uruguay	2007	0.904512	0.551885
Uruguay	2008	0.924715	0.562482
Uruguay	2009	0.912966	0.55148
Uruguay	2010	0.93959	0.561935
Uruguay	2011	0.962523	0.566127
Uruguay	2012	0.976484	0.571097
Uruguay	2013	0.988945	0.57691
Uruguay	2014	0.996598	0.579124
Uruguay	2015	1.013463	0.586803
Uruguay	2016	1.039523	0.59868
Uruguay	2017	1.031497	0.593876
Uruguay	2018	1.024607	0.589103
Uruguay	2019	1.020814	0.586969
Uzbekistan	1990	1.053712	0.850642
Uzbekistan	1991	1.058001	0.854141
Uzbekistan	1992	1.078785	0.8679
Uzbekistan	1993	1.066371	0.853702
Uzbekistan	1994	1.030576	0.826133
Uzbekistan	1995	0.981071	0.793016
Uzbekistan	1996	0.943412	0.769216
Uzbekistan	1997	0.952693	0.779594
Uzbekistan	1998	0.966792	0.790835
Uzbekistan	1999	0.943803	0.773295
Uzbekistan	2000	0.917629	0.749618

Uzbekistan	2001	0.899862	0.73214
Uzbekistan	2002	0.894435	0.723247
Uzbekistan	2003	0.892522	0.716783
Uzbekistan	2004	0.89648	0.716733
Uzbekistan	2005	0.897849	0.728357
Uzbekistan	2006	0.887354	0.723319
Uzbekistan	2007	0.879009	0.725456
Uzbekistan	2008	0.868701	0.718806
Uzbekistan	2009	0.865821	0.718362
Uzbekistan	2010	0.876619	0.731268
Uzbekistan	2011	0.865302	0.727632
Uzbekistan	2012	0.862568	0.731741
Uzbekistan	2013	0.856119	0.730918
Uzbekistan	2014	0.845965	0.724626
Uzbekistan	2015	0.845181	0.726931
Uzbekistan	2016	0.839304	0.728291
Uzbekistan	2017	0.838265	0.723642
Uzbekistan	2018	0.835082	0.719203
Uzbekistan	2019	0.831718	0.71384
Vanuatu	1990	0.924689	1.062804
Vanuatu	1991	0.959062	1.090159
Vanuatu	1992	0.992102	1.11732
Vanuatu	1993	1.015954	1.136811
Vanuatu	1994	1.050027	1.165347
Vanuatu	1995	1.057606	1.170658



Vanuatu	1996	1.075089	1.181653
Vanuatu	1997	1.081546	1.182417
Vanuatu	1998	1.087602	1.181903
Vanuatu	1999	1.083482	1.169205
Vanuatu	2000	1.055304	1.134576
Vanuatu	2001	1.03525	1.103403
Vanuatu	2002	0.979033	1.042508
Vanuatu	2003	0.939	0.996405
Vanuatu	2004	0.932133	0.979734
Vanuatu	2005	0.931551	0.967699
Vanuatu	2006	0.933997	0.962733
Vanuatu	2007	0.937084	0.957964
Vanuatu	2008	0.939521	0.955358
Vanuatu	2009	0.939143	0.952518
Vanuatu	2010	0.938401	0.95149
Vanuatu	2011	0.947135	0.960747
Vanuatu	2012	0.945052	0.960552
Vanuatu	2013	0.941907	0.960476
Vanuatu	2014	0.930911	0.952544
Vanuatu	2015	0.923052	0.947129
Vanuatu	2016	0.912979	0.93965
Vanuatu	2017	0.911947	0.940753
Vanuatu	2018	0.909456	0.940258
Vanuatu	2019	0.90635	0.939138
Venezuela (Bolivarian Republic of)	1990	0.816605	0.702689

Venezuela (Bolivarian Republic of)	1991	0.804698	0.693203
Venezuela (Bolivarian Republic of)	1992	0.798843	0.686705
Venezuela (Bolivarian Republic of)	1993	0.757611	0.641868
Venezuela (Bolivarian Republic of)	1994	0.773954	0.64284
Venezuela (Bolivarian Republic of)	1995	0.78569	0.650344
Venezuela (Bolivarian Republic of)	1996	0.827465	0.689124
Venezuela (Bolivarian Republic of)	1997	0.859391	0.715852
Venezuela (Bolivarian Republic of)	1998	0.810625	0.676084
Venezuela (Bolivarian Republic of)	1999	0.831487	0.694345
Venezuela (Bolivarian Republic of)	2000	0.803139	0.671118
Venezuela (Bolivarian Republic of)	2001	0.799291	0.667806
Venezuela (Bolivarian Republic of)	2002	0.827619	0.684559
Venezuela (Bolivarian Republic of)	2003	0.765497	0.632291
Venezuela (Bolivarian Republic of)	2004	0.775109	0.637159
Venezuela (Bolivarian Republic of)	2005	0.759502	0.621158
Venezuela (Bolivarian Republic of)	2006	0.708105	0.576335
Venezuela (Bolivarian Republic of)	2007	0.670884	0.544186
Venezuela (Bolivarian Republic of)	2008	0.667097	0.540119
Venezuela (Bolivarian Republic of)	2009	0.678994	0.548394
Venezuela (Bolivarian Republic of)	2010	0.768656	0.622094
Venezuela (Bolivarian Republic of)	2011	0.78214	0.635776
Venezuela (Bolivarian Republic of)	2012	0.752834	0.615282
Venezuela (Bolivarian Republic of)	2013	0.769992	0.630856
Venezuela (Bolivarian Republic of)	2014	0.884428	0.726306
Venezuela (Bolivarian Republic of)	2015	0.880047	0.72823

Venezuela (Bolivarian Republic of)	2016	0.860449	0.71614
Venezuela (Bolivarian Republic of)	2017	0.828765	0.692569
Venezuela (Bolivarian Republic of)	2018	0.805853	0.675996
Venezuela (Bolivarian Republic of)	2019	0.785368	0.659536
Viet Nam	1990	1.930348	1.258255
Viet Nam	1991	1.895754	1.240529
Viet Nam	1992	1.868496	1.226206
Viet Nam	1993	1.841509	1.210638
Viet Nam	1994	1.813586	1.193323
Viet Nam	1995	1.782829	1.172882
Viet Nam	1996	1.743699	1.147006
Viet Nam	1997	1.709193	1.122924
Viet Nam	1998	1.672772	1.096766
Viet Nam	1999	1.63651	1.070041
Viet Nam	2000	1.579058	1.030261
Viet Nam	2001	1.521513	0.993379
Viet Nam	2002	1.47358	0.962
Viet Nam	2003	1.431813	0.932566
Viet Nam	2004	1.392316	0.903543
Viet Nam	2005	1.353006	0.874162
Viet Nam	2006	1.337065	0.859607
Viet Nam	2007	1.324604	0.850056
Viet Nam	2008	1.323289	0.849737
Viet Nam	2009	1.321261	0.852674
Viet Nam	2010	1.328771	0.860246

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5	Viet Nam	2011	1.341013	0.87573
6	Viet Nam	2012	1.354551	0.89126
7	Viet Nam	2013	1.369053	0.906847
8	Viet Nam	2014	1.387531	0.923227
9	Viet Nam	2015	1.409908	0.938181
10	Viet Nam	2016	1.431575	0.953848
11	Viet Nam	2017	1.459148	0.972659
12	Viet Nam	2018	1.486234	0.990891
13	Viet Nam	2019	1.508687	1.006537
14	Yemen	1990	0.981841	0.746822
15	Yemen	1991	0.968788	0.745728
16	Yemen	1992	0.950842	0.740663
17	Yemen	1993	0.932491	0.735044
18	Yemen	1994	0.913991	0.729153
19	Yemen	1995	0.904266	0.730324
20	Yemen	1996	0.896218	0.731679
21	Yemen	1997	0.882889	0.728787
22	Yemen	1998	0.870341	0.726354
23	Yemen	1999	0.857908	0.723453
24	Yemen	2000	0.847074	0.721681
25	Yemen	2001	0.837908	0.720832
26	Yemen	2002	0.832844	0.720939
27	Yemen	2003	0.82958	0.723923
28	Yemen	2004	0.828547	0.727283
29	Yemen	2005	0.830121	0.733911
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Yemen	2006	0.829255	0.735995
Yemen	2007	0.83175	0.740204
Yemen	2008	0.832213	0.742458
Yemen	2009	0.832872	0.745576
Yemen	2010	0.835204	0.752401
Yemen	2011	0.845055	0.763452
Yemen	2012	0.853337	0.773794
Yemen	2013	0.862728	0.784063
Yemen	2014	0.869438	0.792211
Yemen	2015	0.873679	0.798236
Yemen	2016	0.879447	0.80375
Yemen	2017	0.885689	0.808814
Yemen	2018	0.891526	0.812253
Yemen	2019	0.897097	0.814499
Zambia	1990	0.874025	0.844793
Zambia	1991	0.860211	0.835418
Zambia	1992	0.844285	0.825868
Zambia	1993	0.821036	0.808517
Zambia	1994	0.809962	0.801534
Zambia	1995	0.79626	0.791593
Zambia	1996	0.782948	0.782316
Zambia	1997	0.766796	0.76913
Zambia	1998	0.750685	0.754682
Zambia	1999	0.732818	0.737519
Zambia	2000	0.707935	0.712561

Zambia	2001	0.693031	0.695964
Zambia	2002	0.677749	0.678508
Zambia	2003	0.667889	0.664051
Zambia	2004	0.659869	0.648766
Zambia	2005	0.655895	0.638442
Zambia	2006	0.660793	0.637345
Zambia	2007	0.659858	0.631617
Zambia	2008	0.660439	0.627202
Zambia	2009	0.667305	0.629889
Zambia	2010	0.679315	0.637493
Zambia	2011	0.69254	0.647015
Zambia	2012	0.707016	0.658908
Zambia	2013	0.720994	0.669655
Zambia	2014	0.729531	0.67707
Zambia	2015	0.735597	0.683088
Zambia	2016	0.741109	0.689189
Zambia	2017	0.749312	0.697265
Zambia	2018	0.752969	0.70141
Zambia	2019	0.759635	0.707038
Zimbabwe	1990	0.661655	0.555791
Zimbabwe	1991	0.640232	0.541326
Zimbabwe	1992	0.610999	0.522021
Zimbabwe	1993	0.567077	0.49111
Zimbabwe	1994	0.515934	0.449828
Zimbabwe	1995	0.461896	0.404784

Zimbabwe	1996	0.418462	0.364105
Zimbabwe	1997	0.392742	0.335841
Zimbabwe	1998	0.414159	0.346022
Zimbabwe	1999	0.449094	0.366171
Zimbabwe	2000	0.487121	0.389527
Zimbabwe	2001	0.512585	0.40252
Zimbabwe	2002	0.54821	0.423934
Zimbabwe	2003	0.584949	0.445465
Zimbabwe	2004	0.618119	0.464381
Zimbabwe	2005	0.616168	0.459484
Zimbabwe	2006	0.640547	0.473186
Zimbabwe	2007	0.658688	0.483898
Zimbabwe	2008	0.694945	0.507221
Zimbabwe	2009	0.7293	0.52948
Zimbabwe	2010	0.733864	0.532571
Zimbabwe	2011	0.724001	0.525821
Zimbabwe	2012	0.727939	0.527944
Zimbabwe	2013	0.739323	0.534652
Zimbabwe	2014	0.759521	0.547145
Zimbabwe	2015	0.758458	0.546135
Zimbabwe	2016	0.756162	0.544612
Zimbabwe	2017	0.757829	0.544924
Zimbabwe	2018	0.757228	0.54387
Zimbabwe	2019	0.757349	0.543382

## STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Page No
<b>Title and abstract</b>	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
<b>Introduction</b>			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
<b>Methods</b>			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4
Participants	6	(a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up <i>Case-control study</i> —Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls <i>Cross-sectional study</i> —Give the eligibility criteria, and the sources and methods of selection of participants	4
		(b) <i>Cohort study</i> —For matched studies, give matching criteria and number of exposed and unexposed <i>Case-control study</i> —For matched studies, give matching criteria and the number of controls per case	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	NA
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	4
Bias	9	Describe any efforts to address potential sources of bias	NA
Study size	10	Explain how the study size was arrived at	NA
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	NA
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	4, 5
		(b) Describe any methods used to examine subgroups and interactions	4, 5
	(c) Explain how missing data were addressed	NA	
	(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> —If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> —If applicable, describe analytical methods taking account of sampling strategy	NA	
	(e) Describe any sensitivity analyses	NA	

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60**Results**

Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	5, 6
		(b) Give reasons for non-participation at each stage	NA
		(c) Consider use of a flow diagram	NA
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	5, 6
		(b) Indicate number of participants with missing data for each variable of interest	NA
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	NA
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	5
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	NA
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	NA
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	5-8
		(b) Report category boundaries when continuous variables were categorized	NA
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	NA

**Discussion**

Key results	18	Summarise key results with reference to study objectives	5-8
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	10
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	10
Generalisability	21	Discuss the generalisability (external validity) of the study results	8-10

**Other information**

Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	11
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\*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

**Note:** An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at <http://www.plosmedicine.org/>, Annals of Internal Medicine at <http://www.annals.org/>, and Epidemiology at <http://www.epidem.com/>). Information on the STROBE Initiative is available at [www.strobe-statement.org](http://www.strobe-statement.org).

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## Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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# Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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21 Word count: 3874

22 **Keywords: Chronic kidney disease, global burden of disease, death, aging, risk**  
23 **factors**

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3 25 **Abstract**

4 26 **Objectives:** To assess the characteristics of the global death burden imposed by CKD  
5 27 and the attributable risk factors from 1990 to 2019 to help inform a framework for  
6 28 policy discussions, resource allocation and research priorities.

7 29 **Design:** A population-based observational study.

8 30 **Setting:** The death data and relative risk factors were obtained from the Global  
9 31 Burden of Disease Study 2019 database.

10 32 **Main outcome measures:** Based on the CBD database, we estimated the death  
11 33 burden attributable to CKD stratified by sociodemographic index (SDI), geographic  
12 34 location, sex, age group, time period and risk factors from 1990 to 2019.

13 35 **Results:** Over 3-decade study period, the global number of CKD-related deaths  
14 36 increased from 0.60 million (95% UI: 0.57-0.63 million) in 1990 to 1.43 million (95%  
15 37 UI: 1.31-1.52 million) in 2019. The age-standardized death rate (ASDR) of CKD,  
16 38 among all causes, increased from 15th in 1990 to 10th in 2019. Globally, the ASDR in  
17 39 males was higher than that in females. CKD-related deaths mainly occurred in those  
18 40 aged over 50 years, especially in regions with higher SDIs. The ASDR was negatively  
19 41 related to SDI ( $\rho = -0.603$ ,  $P < 0.0001$ ). Among risk factors, metabolic risk factors,  
20 42 especially systolic blood pressure (SBP), fasting plasma glucose (FPG) and body  
21 43 mass index (BMI), were the main contributors to CKD-related deaths. Although the  
22 44 high-temperature-related death burden was low, the trend increased sharply in lower  
23 45 SDI regions.

24 46 **Conclusions:** CKD-related deaths continue to increase, with the majority occurring in  
25 47 elderly adults. The CKD-related death burden is higher in men than in women.  
26 48 Additionally, the increasing high-temperature-related death burdens in lower SDI  
27 49 regions should receive social attention.  
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**Strengths and limitations of this study**

- This study evaluated the disease burden changing trends of chronic kidney disease over the past three decades.
- The disease burden changing trends and the relative risk factors of CKD were quantified to reveal the extent of the epidemic and suggest a framework for policy discussions, resource allocation and research priorities.
- Data on the impact of metabolic factors other than blood pressure and blood glucose, such as triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.

For peer review only

## 61 INTRODUCTION

62 Chronic kidney disease (CKD) refers to chronic renal dysfunction caused by various  
63 factors for more than 3 months.[1, 2] According to relevant statistics, there were an  
64 estimated 697.5 million cases of CKD worldwide in 2017.[1] The prevalence of CKD  
65 has increased with the aging of the population and has become a global public health  
66 problem.[3] The incidence rate increased by 29.3% compared with that in 1990[1].  
67 Once diagnosed with CKD, the kidney function would gradually decline until the end-  
68 stage renal disease or even death, with little chance of reversal, imposing a heavy  
69 economic burden on society.

70 Studies have found that the sociodemographic index (SDI), human development level,  
71 economic situation, and health access and quality index are closely related to the CKD  
72 incidence.[4-7] Complex influencing factors make the diagnosis and treatment of  
73 CKD difficult, which seriously increases the public health burden.[8, 9] Although  
74 several studies on CKD have been conducted,[1, 10] detailed death burden analyses of  
75 recent 3-decade period are scarce and need to be further studied.

76 In the context of current global Big Data, deep quantitative analyses of CKD  
77 morbidity and mortality and their influencing factors are crucial in guiding decisions  
78 by policymakers and health care providers. However, the details of CKD-related  
79 mortality have been poorly studied worldwide. Considering these factors, we carried  
80 out research on the global CKD-related death burden and related risk factors from  
81 1990-2019. We also analyzed the numbers of deaths caused by CKD and the age-  
82 standardized death rates (ASDRs) by time period, region, age, risk factors and sex.

## 84 MATERIALS AND METHODS

### 85 Study data

86 Data analyzed in the present study were obtained from the online database the Global  
87 Health Data Exchange (GHDx) query tool ([http://ghdx.healthdata.org/gbd-results-  
88 tool](http://ghdx.healthdata.org/gbd-results-tool)), which were based on literature studies, survey data, surveillance data, medical  
89 records, health insurance claims and statistical model analysis.[11] The database  
90 provides epidemiological data about 369 diseases and 87 attributable risk factors in  
91 204 countries and territories from January 1, 1990 to December 31, 2019,  
92 disaggregated by time, location and sex, and is constantly updated by ongoing  
93 multinational cooperative organizations.[12, 13] Detailed research methods followed  
94 the Global Burden of Disease study (GBD) 2019.[12, 13] The SDI, based on fertility,  
95 income per capita and educational attainment, was used as a composite indicator of  
96 the degree of health-related development at the national or regional level. The SDI  
97 value ranges from 0 to 1, and all the countries were classified into five SDI regions:  
98 low-, low-middle-, middle-, high-middle- and high-SDI regions, according to the SDI  
99 quintiles. Regions with a lower value indicating a lower degree of development  
100 associated with health outcomes. In addition, countries were divided into 21 regions  
101 according to geographical location. Age-standardized rates (ASRs) based on the  
102 updated standard population were also available in the GBD 2019, allowing the



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3 103 analysis of CKD according to age structure and population size.

#### 4 104 **Statistical analysis**

5 105 Numbers and ASDRs, and associated 95% uncertainty intervals (UIs) provided by  
6 106 GBDx, were analyzed to quantify the CKD-related death burden attributed to risk  
7 107 factors. Ninety-five percent UI values fell between the 2.5th and 97.5th percentiles of  
8 108 1000 samples that were extracted from the posterior distribution in the modeling  
9 109 process.[14] The time trend of an ASR over a specified time period were represented  
10 110 by the estimated annual percentage change (EAPC), which detailed calculation  
11 111 method has been reported in many previously published GBD studies.[15, 16] In  
12 112 brief, the natural logarithm of the ASR is assumed to be linear over time; therefore,  
13 113  $\ln(\text{ASR}) = \alpha + \beta \times (\text{calendar year}) + \text{error term}$ . The  $\text{EAPC} = 100 \times (\exp(\beta) - 1)$ , and the  
14 114 95% confidence interval (95% CI) can be obtained from the linear regression model.  
15 115 To assess the trends of data over time from 1990 to 2019, Joinpoint trend analyses  
16 116 were performed by fitting several different line segments on a logarithmic scale with  
17 117 the simplest model. Significant changes were identified by permutation tests and  
18 118 estimated by the Monte Carlo method. A *P* value less than 0.05 was used to denote to  
19 119 be statistical significance.

20 120 All statistical and graphical analyses were carried out using R version 4.1.2 (Vienna,  
21 121 Austria), Joinpoint software version 4.9.0.1 (National Cancer Institute, USA) and  
22 122 GraphPad Prism 8 (California, USA).

#### 23 123 **Patient and Public Involvement**

24 124 Patients or the public were not involved in this study.

25 125

## 26 126 **RESULTS**

### 27 127 **1. Global burden of chronic kidney disease**

28 128 Globally, there were an estimated 697.3 million CKD cases and 19.0 million incident  
29 129 cases in 2019, both of which were more than twice those in 1990 (supplementary  
30 130 table 1, supplementary table 2, supplementary figure 1a and supplementary figure 1b).  
31 131 The number of deaths caused by CKD doubled from 0.6 million (95% UI: 0.57-0.63  
32 132 million) in 1990 to 1.4 million (95% UI: 1.31-1.52 million) in 2019 (table 1; figure  
33 133 1a). Among all the causes of death, the percentage of deaths due to CKD doubled  
34 134 from 1.3% to 2.5%. The numbers of deaths caused by CKD increased from 19th in  
35 135 1990 to 11th in 2019 (supplementary figure 2a), and the ASDR increased from 15th to  
36 136 10th (supplementary figure 2b). Global DALYs also doubled from 21.5 million in  
37 137 1990 to 41.5 million in 2019 (supplementary table 3 and supplementary figure 1c).  
38 138 During this period, the age-standardized incidence rate (ASIR) increased over time,  
39 139 with an EAPC of 3.2 (95% CI: 3.11 to 3.19) (supplementary table 2, supplementary  
40 140 figure 3). The ASDR, DALYs, YLLs and YLDs showed upward trends in the first  
41 141 half of the study period but downward trends in the latter years according to the  
42 142 Joinpoint analyses (figure 1b right, supplementary figure 3). These trends were  
43 143 consistent in both the male and female (supplementary figure 3).

44 144



145 **Table 1.** Death cases and age-standardized death rates of chronic kidney disease in 1990 and  
 146 2019, and the temporal trends from 1990 to 2019.

	1990		2019		1990-2019
Characteristics	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	EAPC of ASDR (95% CI)
Global	601.31 (567.6-633.79)	16.14 (15.13-17.13)	1427.23 (1313.73- 1524.55)	18.29 (16.72-19.55)	0.55 (0.46 to 0.64)
<b>Gender</b>					
Males	313.94 (293.38-338.57)	19.55 (18.19-21.18)	741.38 (685.84-801.7)	21.59 (19.93-23.27)	0.55 (0.46 to 0.64)
Females	287.37 (268.8-305.44)	13.89 (12.91-14.79)	685.85 (614.92-741.57)	15.8 (14.17-17.09)	0.55 (0.46 to 0.64)
<b>SDI regions</b>					
Low	62.02 (55.89-68.54)	27.21 (24.08-30.65)	125.07 (112.78-137.96)	25.28 (22.9-27.68)	-0.27 (-0.31 to -0.22)
Low-middle	126.51 (114.96-138.84)	21.9 (19.73-24.25)	293.49 (265.9-320.13)	22.95 (20.77-25.04)	0.14 (0.01 to 0.26)
Middle	196.59 (183.72-209.89)	21.01 (19.54-22.84)	506.13 (464.49-547.47)	22.8 (20.79-24.75)	0.43 (0.36 to 0.5)
High-middle	116.33 (109.59-124.18)	12.25 (11.42-13.2)	227.99 (207.02-244.66)	11.78 (10.65-12.65)	-0.08 (-0.22 to 0.06)
High	99.47 (92.56-103.08)	9.61 (8.92-9.98)	273.59 (236.92-294.76)	12.58 (11.09-13.47)	1.21 (1.09 to 1.32)
<b>21 GBD regions</b>					
Central Asia	5.04 (4.73-5.75)	10.01 (9.33-11.63)	10.38 (9.43-11.49)	14.75 (13.48-16.17)	1.11 (0.73 to 1.49)
Central Europe	13.14 (12.7-13.56)	9.62 (9.22-9.93)	18.76 (16.33-21.22)	8.61 (7.5-9.74)	-0.23 (-0.36 to -0.11)
Eastern Europe	11.06 (10.74-11.35)	4.41 (4.25-4.53)	15.93 (14.23-17.56)	4.85 (4.34-5.34)	-0.16 (-0.42 to 0.09)
Australasia	2.02 (1.85-2.14)	9.27 (8.39-9.87)	6.12 (5.14-6.85)	10.77 (9.17-12)	0.7 (0.62 to 0.78)
High-income Asia Pacific	22.94 (21.27-23.86)	13.12 (12.01-13.73)	54.14 (42.82-60.58)	9.13 (7.54-10.06)	-1.35 (-1.43 to -1.28)
High-income North America	35.75 (32.89-37.2)	9.79 (9.03-10.18)	114.46 (102.38-122.48)	16.88 (15.26-17.98)	2.26 (2.07 to 2.45)

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Southern Latin America	8.99 (8.51-9.42)	20.79 (19.61-21.83)	21.69 (19.81-23.33)	25.45 (23.27-27.34)	0.72 (0.43 to 1.02)
Western Europe	49.78 (46.2-51.89)	8.49 (7.86-8.87)	116.66 (99.12-126.16)	9.97 (8.58-10.73)	0.98 (0.86 to 1.1)
Andean Latin America	5.24 (4.78-5.74)	25.51 (23.13-28.1)	19.38 (16.14-22.96)	35.68 (29.73-42.21)	1.37 (1.07 to 1.67)
Caribbean	4.79 (4.47-5.28)	18.59 (17.28-20.52)	12.66 (10.85-14.78)	24.58 (21.08-28.71)	1.44 (1.31 to 1.58)
Central Latin America	20.7 (19.77-21.36)	25.77 (24.22-26.76)	111.71 (98.57-125.86)	48.11 (42.52-54.16)	2.42 (2.09 to 2.74)
Tropical Latin America	16.59 (15.87-17.14)	19.36 (18.16-20.14)	44.22 (40.46-46.73)	18.96 (17.25-20.06)	0.01 (-0.06 to 0.09)
North Africa and Middle East	52.6 (47.64-61.84)	34.74 (30.67-44.08)	111.81 (96.42-130.85)	30.37 (26.34-35.39)	-0.43 (-0.51 to -0.34)
South Asia	117.5 (100.02-134.35)	22.21 (18.57-25.75)	285.34 (248.21-324.6)	21.56 (18.82-24.36)	-0.3 (-0.51 to -0.08)
East Asia	104.32 (92.79-116.88)	13.28 (11.9-14.75)	209.29 (179.98-237.7)	11.55 (9.99-13.05)	-0.21 (-0.32 to -0.1)
Oceania	0.62 (0.53-0.72)	20.82 (18.22-23.98)	1.6 (1.32-1.93)	23.8 (20.26-27.96)	0.31 (0.12 to 0.49)
Southeast Asia	68.7 (63.3-74.86)	27.38 (24.96-30.14)	153.37 (137.32-169.64)	27.79 (24.63-30.68)	0.06 (0 to 0.12)
Central Sub-Saharan Africa	6.45 (5.47-7.54)	30.32 (25.81-34.98)	12.36 (9.7-15.19)	25.87 (19.78-31.73)	-0.64 (-0.68 to -0.61)
Eastern Sub-Saharan Africa	21.64 (19.01-24.17)	29.43 (25.56-33.33)	38.6 (34.23-43.26)	26.24 (23.43-29.23)	-0.5 (-0.55 to -0.46)
Southern Sub-Saharan Africa	6.18 (5.58-7.05)	23.04 (20.68-26.41)	16.27 (14.95-17.65)	32.44 (29.77-35.1)	1.31 (0.95 to 1.66)
Western Sub-Saharan Africa	27.27 (23.36-32.18)	31.88 (27.56-37.76)	52.47 (44.11-61.28)	29.35 (25.21-33.71)	-0.21 (-0.25 to -0.17)

148 SDI: sociodemographic index; ASDR: age-standardized death rate; EAPC: estimated annual  
 149 percentage change; UI: uncertainty interval; CI: confidence interval.

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151 Of the total DALYs caused by CKD, which is consisted of years of life lost  
 152 prematurely (YLLs) and years lived with disability (YLDs), YLLs accounted for  
 153 78.9%, while YLDs accounted for 21.1% in 2019. As the overall death burden was  
 154 mainly attributed to disease-related deaths, we focused subsequent analyses mainly on  
 155 the CKD-related death burden. During the three decades, all five SDI regions showed  
 156 increases in the numbers of deaths over time (figure 1b left). Among them, the  
 157 middle-SDI region showed the highest death numbers, reaching 0.5 million, and the

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3 158 low-SDI region had the lowest, with 0.1 million, in 2019 (figure 1a and 1b left). The  
4 159 ASDR in the high-SDI region increased dramatically, with an EAPC of 1.2 (95% CI:  
5 160 1.09 to 1.32), and exceeded that of the high-middle-SDI from 2011 onward (figure 1b  
6 161 right). In contrast, the low-SDI region still had the highest ASDR in 2019, at 25.3 per  
7 162 100,000 population (95% UI: 22.90-27.68), although it had the most significant  
8 163 declining trend (EAPC: -0.27, 95% CI: -0.31 to -0.22) (figure 1b right). The ASDR  
9 164 was negatively correlated with SDI level worldwide ( $\rho = -0.603$ ,  $P < 0.0001$ , figure  
10 165 1c), while the ASIR was positively correlated with SDI level ( $\rho = 0.54$ ,  $P < 0.0001$ ,  
11 166 supplementary figure 4).

12 167 At the regional level, death numbers in all 21 regions and the ASDRs in most regions  
13 168 showed increasing trends during this period (figure 1d). At the country level, CKD-  
14 169 related deaths increased by more than 500% in the United Arab Emirates, Venezuela,  
15 170 Estonia, Armenia, El Salvador and Ecuador over the three-decade study period  
16 171 (supplementary table 4). India (0.22 [95% UI: 0.19-0.26] million) surpassed inland  
17 172 China (0.2 [95% UI: 0.17-0.23] million) to be the largest number of CKD-related  
18 173 deaths in 2019. The number of deaths in the United States of America (0.11 [95% UI:  
19 174 0.10-0.11] million) were second to only those in India and China. The total number of  
20 175 deaths for these three countries accounted for 36.9% of the worldwide number of  
21 176 deaths in 2019 (figure 1e, supplementary figure 5). Nicaragua had the largest ASDR,  
22 177 at 80.2 (95% UI: 69.57-83.24) per 100,000 population (figure 1f, supplementary table  
23 178 4). Estonia showed the fastest increase in the ASDR with an EAPC of 5.4 (95% CI:  
24 179 4.91 to 5.81) during this period (figure 1g, supplementary table 4). While Mongolia  
25 180 had the fastest decrease in the ASDR of CKD (EAPC: -3.6, 95% UI: -4.07 to -3.12)  
26 181 (figure 1g, supplementary table 4).

## 182 **2. The CKD-related death burden in males was higher than that in females in** 183 **relatively high SDI regions**

184 Generally, the number of CKD-related deaths was larger in males than in females  
185 over the past 3 decades (figure 2a). At the SDI level, even though both showed  
186 increasing trends, the difference slightly narrowed with time, with the ratio of female  
187 deaths to male deaths changing from 0.9 in 1990 to 0.9 in 2019 (figure 2b). The ratio  
188 remained above 1 in the high-SDI region during this period. In 2019, the high- and  
189 high-middle-SDI regions had higher female death burdens, with ratios of female  
190 deaths to male deaths of 1.1 and 1.0, respectively, while the ratios in low- and low-  
191 middle-SDI regions were 0.8 and 0.8, which were the lowest (figure 2b left). Similar  
192 to the number of deaths, the CKD-related ASDR in males was higher than that in  
193 females over this period. In 2019, the female to male ASDR ratios ranged from 0.6 to  
194 0.8 in all the SDI regions (figure 2b right), suggesting that the CKD-related death  
195 burden was unbalanced between sexes and age groups.

196 At the regional level, the female to male deaths ratios in Eastern Europe was the  
197 highest (1.3), and that in Oceania was the lowest (0.7) in 2019. Death cases of both  
198 sexes were mainly concentrated in Asia. Both male and female deaths in Latin  
199 America had the fastest increase over time. In contrast, female death numbers in

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3 200 Eastern Europe and male death numbers in Central Europe had the slowest increases  
4 201 (figure 2c, supplementary table 5). Unlike the number of deaths, the female to male  
5 202 ASDR ratios in most regions were less than 1.0, except in North Africa and Middle  
6 203 East (1.0). The ratio in Southern sub-Saharan Africa was the lowest, at 0.6  
7 204 (supplementary table 5).

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9 205 At the country level, the numbers of male deaths in almost all the countries showed  
10 206 increasing trends, except in Slovakia and Poland. The death ratios in Estonia,  
11 207 Hungary, Latvia, Austria and Vietnam were over 1.5, which suggested that the CKD-  
12 208 related death burden was much higher in women than in men in these countries. In  
13 209 contrast, the ratio was less than 0.5 in Papua New Guinea and the United Arab  
14 210 Emirates, indicating a higher death burden in men (figure 2d, supplementary table 6).  
15 211 The ASDRs in both females and males in Mongolia showed the largest decreases,  
16 212 with decreases of 43.2% in females and 57.1% in males.

### 213 **3. The age-related CKD-related death burden is more serious in high-SDI** 214 **regions**

215 In 2019, global CKD-related deaths were mainly distributed in middle-aged and  
216 elderly people over 50 years old, specifically 50-74 years old, who accounted for  
217 41.9% (figure 3a). Those aged 50-74 years had the largest death numbers in all the  
218 SDI regions except high-SDI region. In high-SDI region, the numbers of CKD-related  
219 death were increased with age, with the largest in 85 plus age group. The numbers of  
220 deaths in the 85 plus age group had the greatest increases in all SDI regions (figure  
221 3a). Those aged 0-9 years showed decreases in the numbers of deaths in all the SDI  
222 regions except the low-SDI region. Those aged 10-24 years had increased numbers of  
223 deaths in the low- and low-middle-SDI regions (figure 3b). Therefore, premature  
224 deaths were mainly concentrated in the relatively lower SDI regions in 2019.

225 During this period, the age distribution of CKD-related deaths in the relatively young  
226 population, including the 0-9, 10-24 and 25-49, and 50-74 age groups, showed a  
227 declining trend (figure 3c). In contrast, deaths in elderly individuals, particularly those  
228 aged 85 years and older, showed an upward trend. Central Asia was the only region  
229 that saw a decline composition of 85 plus age group (figure 3c). As to SDI level, the  
230 proportion of deaths the 85 plus age group showed an upward trend with increasing  
231 SDI level, with the highest value of 58.2% in the Western Europe region in 2019.

232 Eastern sub-Saharan Africa and Western sub-Saharan Africa, with lower SDI levels,  
233 had the highest proportions of the 10-24 and 0-9 age groups, respectively. The High-  
234 income Asia Pacific region had the largest increase in the proportion among the 85  
235 plus age group and the largest decrease among the 50-74 age group (figure 3c). These  
236 results revealed that the CKD-related death burden gradually shifted to elderly  
237 individuals in higher SDI regions. In addition, the proportion of females increased  
238 with increasing age was found in the further analysis of sex compositions among  
239 different age groups (figure 3d).

### 240 **4. CKD Burden attributable to risk factors**

241 Globally, metabolic disorders (such as diabetes, obesity and hypertension) were the

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3 242 main risk factors for death from CKD. Over this period, the numbers of deaths due to  
4 243 CKD attributable to high systolic blood pressure (SBP), high fasting plasma glucose  
5 244 (FPG) and high body mass index (BMI) sharply increased (figure 4a), which were the  
6 245 main risk factors contributing to the ASDR of CKD, accounting for 62.0%, 33.6%  
7 246 and 27.2%, respectively in 2019. Even though the ASDR of CKD attributable to high  
8 247 BMI had the largest increase, at 77.1%, compared with 17.6% for high SBP and  
9 248 20.4% for high FPG, the ranks of these risk factors did not change (figure 4a).  
10 249 CKD attributable to high SBP was associated with the highest ASDRs in all the SDI  
11 250 regions over this period (figure 4a). In 2019, high SBP-attributed death rate in the  
12 251 low-SDI region was the higher than in other SDI-regions (figure 4b), even though it  
13 252 showed the greatest reduction during the 30-year study period (decrease of 3.0%). The  
14 253 high SBP-attributed death rate in the high-SDI region saw the fastest increase (figure  
15 254 4b). In 2019, ASDR attribute to high SBP in the high-middle-SDI region was the  
16 255 lowest. At the regional level, the rank of the high SBP-attributed ASDR in Central  
17 256 Latin America increased from sixth in 1990 to first among all 21 regions in 2019, with  
18 257 the greatest increase.  
19 258 The highest FPG-attributed ASDRs were mainly concentrated in the low-middle and  
20 259 low-SDI regions during this period (figure 4b). In 2019, high FPG was the second  
21 260 most prevalent risk factor, followed by high BMI, in all regions except the high-SDI  
22 261 region (figure 4a, c). In contrast, BMI was ranked as the second most prevalent  
23 262 contributor, exceeding FPG, to the ASDR in the high-SDI region in 2019, even  
24 263 though the FPG-attributed death rate in this region showed a larger increase than  
25 264 those in other regions (figure 4b, c). In 2019, the FPG-attributed ASDR in the middle-  
26 265 SDI region was higher than those in the other SDI regions, while that in the high-  
27 266 middle-SDI region was the lowest (figure 4b). The BMI-attributed ASDR in the  
28 267 middle-SDI was the highest, while in the high-middle SDI, it was the lowest. It is  
29 268 worth noting that the BMI-attributed ASDRs in all five SDI regions had steep  
30 269 increasing trends over this period (figure 4b). A diet high in sodium was the fourth-  
31 270 ranked contributor to the CKD ASDR in the high-middle-, middle- and low-middle-  
32 271 SDI regions and the fifth-ranked contributor in the high- and low-SDI regions (figure  
33 272 4a).  
34 273 Notably, although the high temperature-related death burden was low (figure 4c), the  
35 274 high temperature-attributed ASDRs increased steeply in the low-middle- and low-SDI  
36 275 regions over this period (figure 4b). These regions had the highest high temperature-  
37 276 attributed ASDRs in 2019 (figure 4c). In sharp contrast, the high temperature-  
38 277 attributed ASDRs in the high-middle- and high-SDI regions decreased by 7.6 and 6.6  
39 278 times, respectively, compared with those in 1990 (figure 4b). The high-middle-SDI  
40 279 region had the lowest high temperature-related death rate in 2019. At the regional  
41 280 level, East Asia, High-income North America, South Asia and Western Europe  
42 281 showed the fastest increases in the high temperature-attributed ASDRs, and South  
43 282 Asia had the highest high temperature-attributed death rate in 2019. Central Latin  
44 283 America and Southeast Asia had the fastest decreases in the high temperature-



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3 284 attributed ASDR. Tropical Latin America, Southern sub-Saharan Africa and Eastern  
4 285 sub-Saharan Africa had the lowest values. In addition, the risk factors of low  
5 286 temperature and lead exposure were much larger than those of high temperature, and  
6 287 low temperature exposure was the first of the three in high- and high-middle-SDI  
7 288 regions (figure 4a).  
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## 11 290 **DISCUSSION**

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13 291 Despite advancements in scientific research that have led to a better understanding of  
14 292 the pathogenesis of diseases and significant improvements in disease management, no  
15 293 significant improvement was observed in the burden of CKD-related deaths, in  
16 294 contrast with other noncommunicable diseases. CKD is characterized by a gradual  
17 295 decline kidney function that eventually results in end-stage renal disease (ESRD),  
18 296 with little chance of reversal. CKD is therefore an important cause of morbidity and  
19 297 mortality among noncommunicable diseases.[17]

20 298 Our results showed significant regional variations in the CKD-related death burdens.  
21 299 The ASDR of CKD was associated with SDI, with higher CKD ASDRs in lower SDI  
22 300 regions. This may be related to a lack of effective health interventions caused by  
23 301 inadequate health care funding and weak health systems in lower SDI regions.[18] If  
24 302 these trends continue, differences in the CKD death burden among regions will  
25 303 increase further. In terms of geographical regions and countries, the CKD death  
26 304 burden in Mesoamerica (especially Nicaragua, El Salvador and Mexico) was more  
27 305 serious than those in other geographical locations. This may be due to the  
28 306 megathermal climate or the rates of diabetes and hypertension, which are major risk  
29 307 factors globally.[19] A recent study revealed that agricultural workers who currently  
30 308 or used to work in the sugarcane industry may be at high-risk of CKD.[19, 20] In  
31 309 addition, climate change in this region may be a risk factor for CKD-related  
32 310 death.[21] These findings call for increased government planning and interventions  
33 311 and the development of new and more appropriate solutions to address the CKD death  
34 312 burden in this area.

35 313 Globally, the number of CKD-related deaths and ASDR were larger and higher in  
36 314 males than in females, but the difference narrowed over time.[2] It is worth noting  
37 315 that the sex ratio of deaths in the high-SDI region remained above 1 during the study  
38 316 period, but the ASDR ratio did not, which may be attributed to the increase in the  
39 317 population and the aging of the population in this region, especially among females.  
40 318 In contrast, the sex ratio of the ASDR was higher than the ratio of deaths in several  
41 319 countries in the Middle East, such as Egypt (1.60 vs. 1.13 in Egypt). This result  
42 320 coincided with the lower disability-free life expectancy among women's total lifetime  
43 321 in this region.[22]

44 322 Over the past 30 years, the age distribution of CKD-related deaths showed a gradual  
45 323 increasing trend with age, and people in the middle-aged and elderly groups (> 50  
46 324 years old) accounted for the main proportion of CKD deaths. This trend may be  
47 325 closely related to improvements in health care as well as population aging worldwide.  
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3 326 However, in regions with relatively low SDIs, such as Africa, premature deaths are  
4 327 still prevalent, with increasing numbers, which may be explained by the low levels of  
5 328 medical and health care in these regions. Patients diagnosed with CKD may not  
6 329 receive timely and adequate medical care to slow the progression of renal  
7 330 deterioration, resulting in premature death, which reflects the impact of  
8 331 socioeconomic development on premature CKD-related deaths.[23] Therefore, policy  
9 332 makers and the health care sector in these regions should implement urgent measures  
10 333 to reverse this negative trend.

11 334 The most cost-effective strategy to reduce the number of CKD-related deaths is  
12 335 preventing the onset of CKD.[24] Therefore, screening high-risk groups and  
13 336 developing interventions targeting a variety of risk factors are the most effective  
14 337 approaches.[24, 25] High SBP, FPG and BMI were the main risk factors for CKD-  
15 338 related death.[1, 7, 26] Hence, implementing measures to improve blood pressure,  
16 339 plasma glucose and body weight is critical for reducing the CKD burden.[27]  
17 340 Although the CKD-related death burden attributed to high temperature exposure was  
18 341 low, the rapid upward trend, especially in the low- and low-middle-SDI regions,  
19 342 should be noted. In contrast, this burden in the high- and high-middle-SDI regions  
20 343 tended to remain stable or even decreased. Some studies recently reported large  
21 344 numbers of young sugarcane workers with end-stage of CKD, who did not have any  
22 345 known risk factors for CKD, such as high blood pressure or diabetes before.[19]  
23 346 Subsequent reports found that CKD of unknown origin also occurred in people who  
24 347 worked in agriculture or construction in other low-socioeconomic areas.[28] It has  
25 348 already been the leading cause of hospitalization and death among CKD patients in  
26 349 Central America.[29] Even though the exact pathogenesis of CKD in these individuals  
27 350 is currently unknown, it is undoubtedly related to heat exposure and dehydration  
28 351 caused by rapidly changing environmental conditions.[28, 30, 31] Compared with the  
29 352 higher SDI regions, the ability to provide health care and adapt to climate change in  
30 353 relative lower regions were limited; therefore, the situation is severely affected by  
31 354 high temperature exposure and is getting worse.[31] Local governments should  
32 355 formulate effective measures to cope with the high-temperature environment and  
33 356 formulate strategies to mitigate climate change. Moreover, cooperation among  
34 357 clinicians, public health personnel, government agencies and medical researchers  
35 358 should be promoted to raise public awareness of CKD, actively explore the specific  
36 359 mechanism of the influence of high temperature exposure on CKD and minimize the  
37 360 adverse effects of climate change on kidney health.

38 361 Additionally, it has been shown that the association between cold exposure promoting  
39 362 CKD-related hospital visits is stronger than at moderate and high temperatures.[32]  
40 363 And acute cold exposure can lead to a significant increase in arterial blood pressure in  
41 364 patients with or without comorbid CKD.[33] Therefore, avoiding acute cold exposure  
42 365 and enhancing warmth measures in cold exposure are particularly important.  
43 366 Environmental lead exposure increases the risk of CKD.[34, 35] Due to the  
44 367 prevalence of lead in the environment, human exposure to this metal is almost

368 inevitable. Therefore, public measures to reduce environmental contamination and  
369 reduce the food chain transfer of lead are essential, as are measures to reduce risk by  
370 setting maximum allowable concentrations of lead in staple foods at the lowest  
371 achievable levels.

### 372 **Limitations**

373 The GBD database provides extensive data and estimates of risk factors for the global  
374 burden of CKD, but there are some limitations, which have been detailed in many  
375 previously published studies.[13] First, more detailed information about the included  
376 countries and regions could not be obtained from the GBD database. In some  
377 countries with large territory spans or with multinational populations, the impact of  
378 regional and ethnic differences within countries on the global burden of CKD could  
379 not be further analyzed. In addition, the CKD burden may be underestimated in less  
380 developed countries and areas due to limited access to health care. Moreover, data on  
381 the impact of metabolic factors other than blood pressure and blood glucose, such as  
382 triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.

### 383 **CONCLUSIONS**

384 In summary, CKD remains a critical global public health concern. CKD-related  
385 deaths continue to increase, with the majority now occurring in elderly adults, mainly  
386 due to the increase in and the aging of the global population. However, the numbers  
387 of premature deaths in regions with low-SDI levels remain high, and the trend is  
388 increasing. In addition, the burden of CKD-related deaths is more severe in men than  
389 in women, though this difference is likely to narrow over time. Hypertension, diabetes  
390 and obesity remain critical risk factors for CKD. Moreover, in the low-SDI region, the  
391 rapidly increasing number of CKD-related deaths attributed to high temperature  
392 exposure should not be ignored, and national-level measures should be taken to  
393 reverse this trend.

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### 396 **Competing interests**

397 No competing interests to declare.

### 398 **Contributors**

399 The idea and conceptual design: YL and XS; Data acquisition: ZC and NH; Literature  
400 retrieval and data collation: XL and XF; Data analysis: ZC and JL; Visualization: XL  
401 and YL; Preparation of the original draft: ZC and NH; Manuscript editing and  
402 revising: YL, XF and XS. Authors confirm that all of them have full access to all the  
403 data of the present study and are responsible for submitting for publication.

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### 408 **Ethics approval**

409 Not applicable. Data of this study was publicly available and no patient and animal



1  
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3 410 was involved.

4 411 **Data sharing statement**

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6 412 Data are available in a public, open access repository. Data used from the online

7 413 database the Global Health Data Exchange (GHDx) query tool

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9 414 (<http://ghdx.healthdata.org/gbd-results-tool>).[11]

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3 542 **Figure legends**  
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6 543 **figure 1.** Global death cases and death rate of CKD from 1990 to 2019. (A) Death  
7 544 cases in global and SDI areas in 1990 and 2019. (B) Death cases and ASDRs in global  
8 545 and SDI areas from 1990 to 2019. (C) Relationship between ASDRs and SDI from  
9 546 1990 to 2019. (D) Death cases and ASDRs in 21 geographic regions from 1990 to  
10 547 2019. (E) Death cases in 204 countries and territories in 2019. (F) The ASDRs in 204  
11 548 countries and territories in 1990 and 2019. (G) The EAPCs of ASDRs in 204  
12 549 countries and territories from 1990 to 2019. ASDR, age-standardized death rate (per  
13 550 100,000 population).  
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17 551 **figure 2.** Sex differences and trends of CKD deaths and ASDR from 1990 to 2019.  
18 552 (A) The ASDRs in males and females globally from 1990 to 2019. (B) Death cases  
19 553 ratio between females to males (left) and ASDR ratio between females to males  
20 554 (right), in global and SDI areas in 1990 and 2019. (C) Gender composition of death  
21 555 cases and ASDR in global and SDI areas in 1990 and 2019. (D) Death cases ratio  
22 556 between females to males (left) and ASDR ratio between females to males (right) in  
23 557 204 countries and territories in 2019. ASDR, age-standardized death rate (per 100,000  
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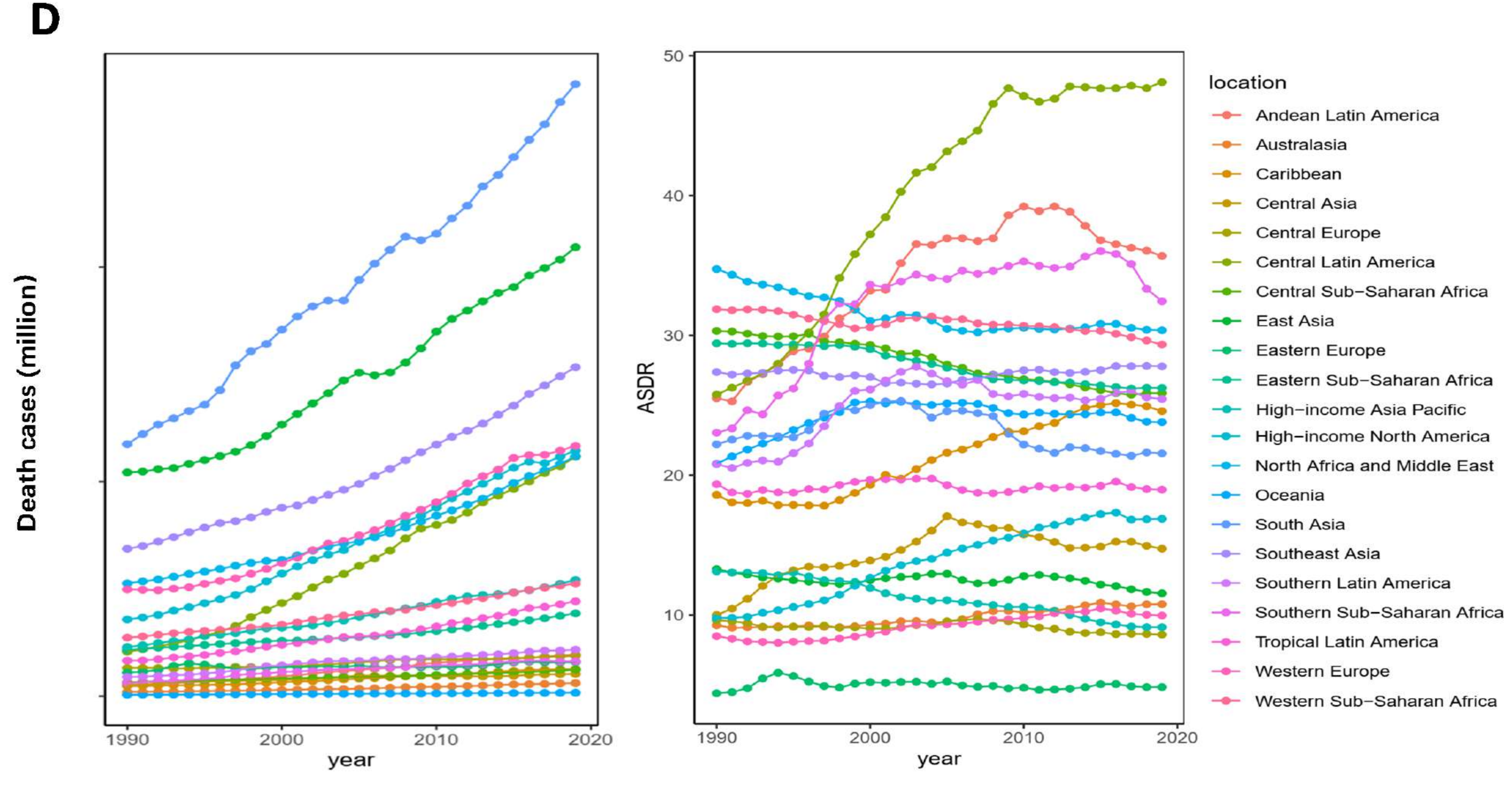
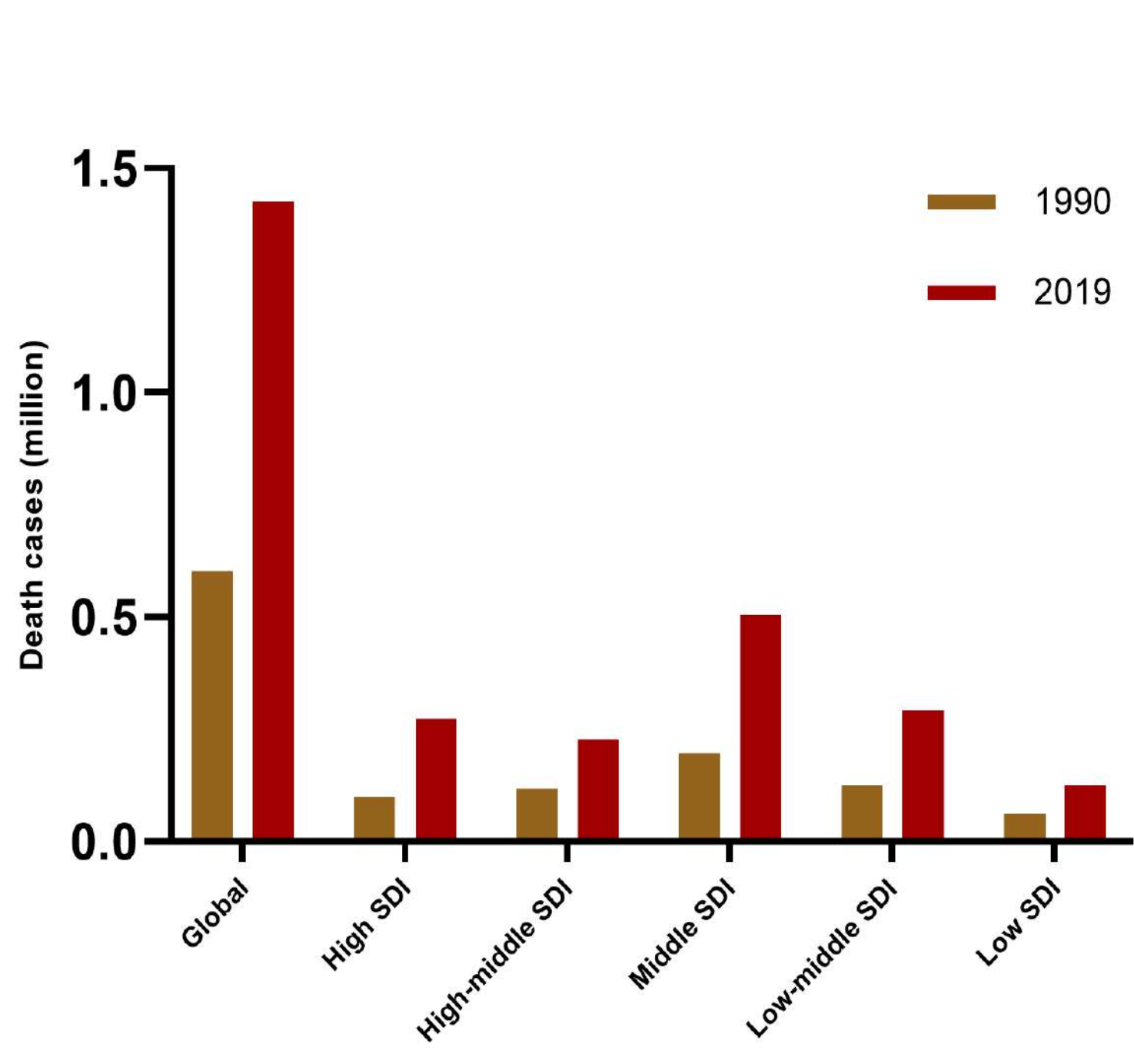
29 559 **figure 3.** The distribution of CKD death cases and rates in age groups, SDI areas and  
30 560 21 geographic regions from 1990 to 2019. (A) Death cases in age groups in global and  
31 561 SDI areas from 1990 to 2019. (B) The change percentage of death cases (right) and  
32 562 rate (left) in age groups from 1990 to 2019. (C) Six age groups as percentages of total  
33 563 deaths in global, SDI areas and 21 geographic regions in 1990 and 2019. (D) Gender  
34 564 composition of death in global and SDI areas in 2019.  
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38 565 **figure 4.** Predominant contribution of risk factors to CKD-related deaths in global and  
39 566 SDI areas. (A) Death cases and ASDRs attributed to main risk factors by SDI region  
40 567 from 1990 to 2019. (B) The ASDRs trends in SDI regions attributed to each main risk  
41 568 factor. (C) Proportions of deaths in global and SDI regions attributed to each risk  
42 569 factors in 2019. ASDR, age-standardized death rate (per 100,000 population).  
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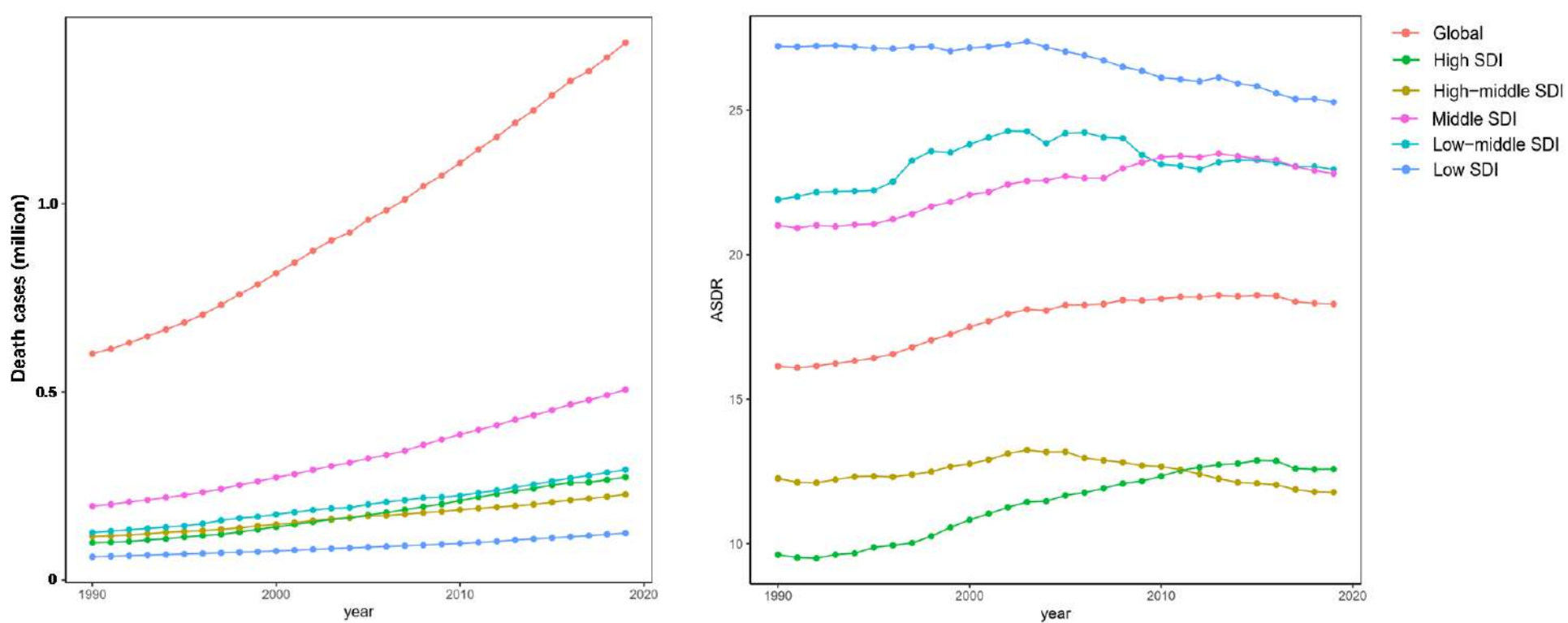
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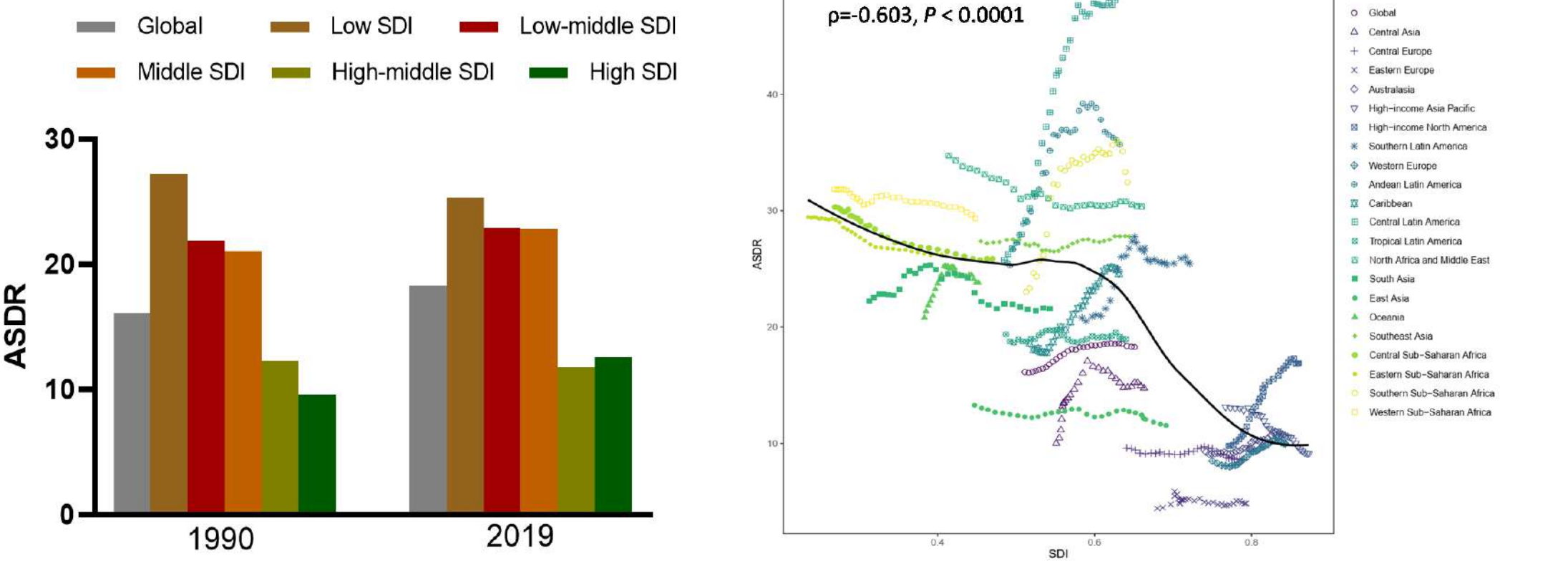
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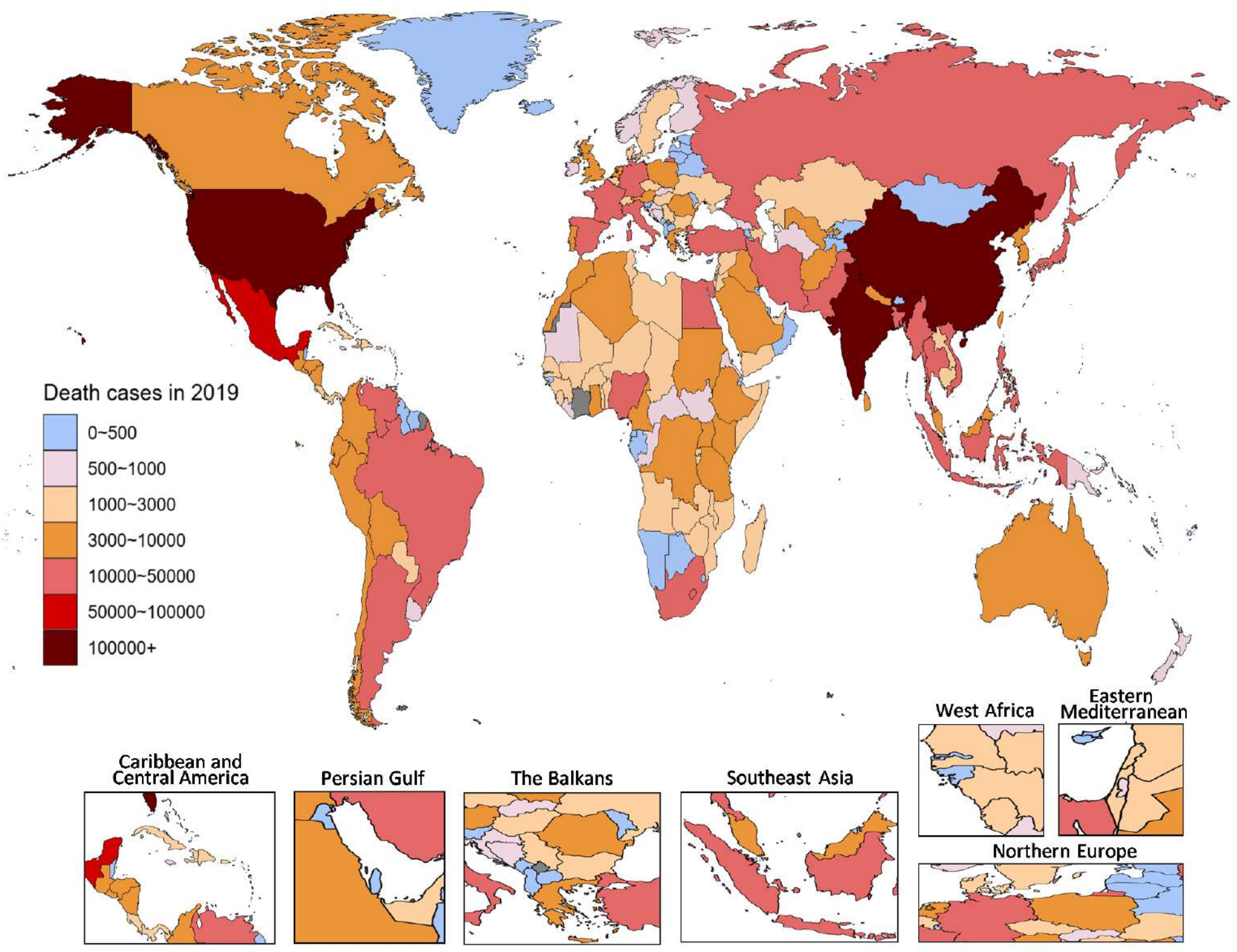
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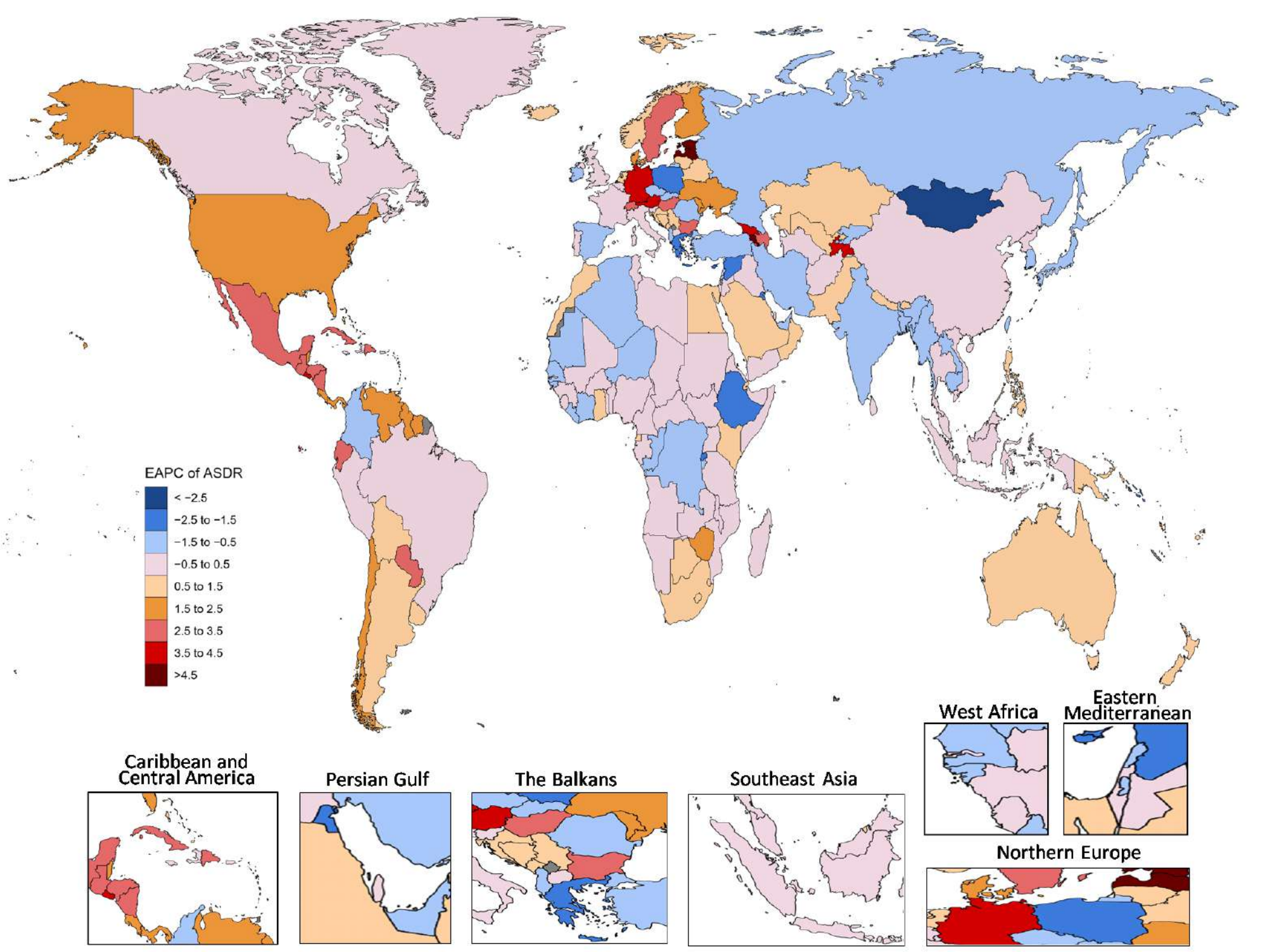
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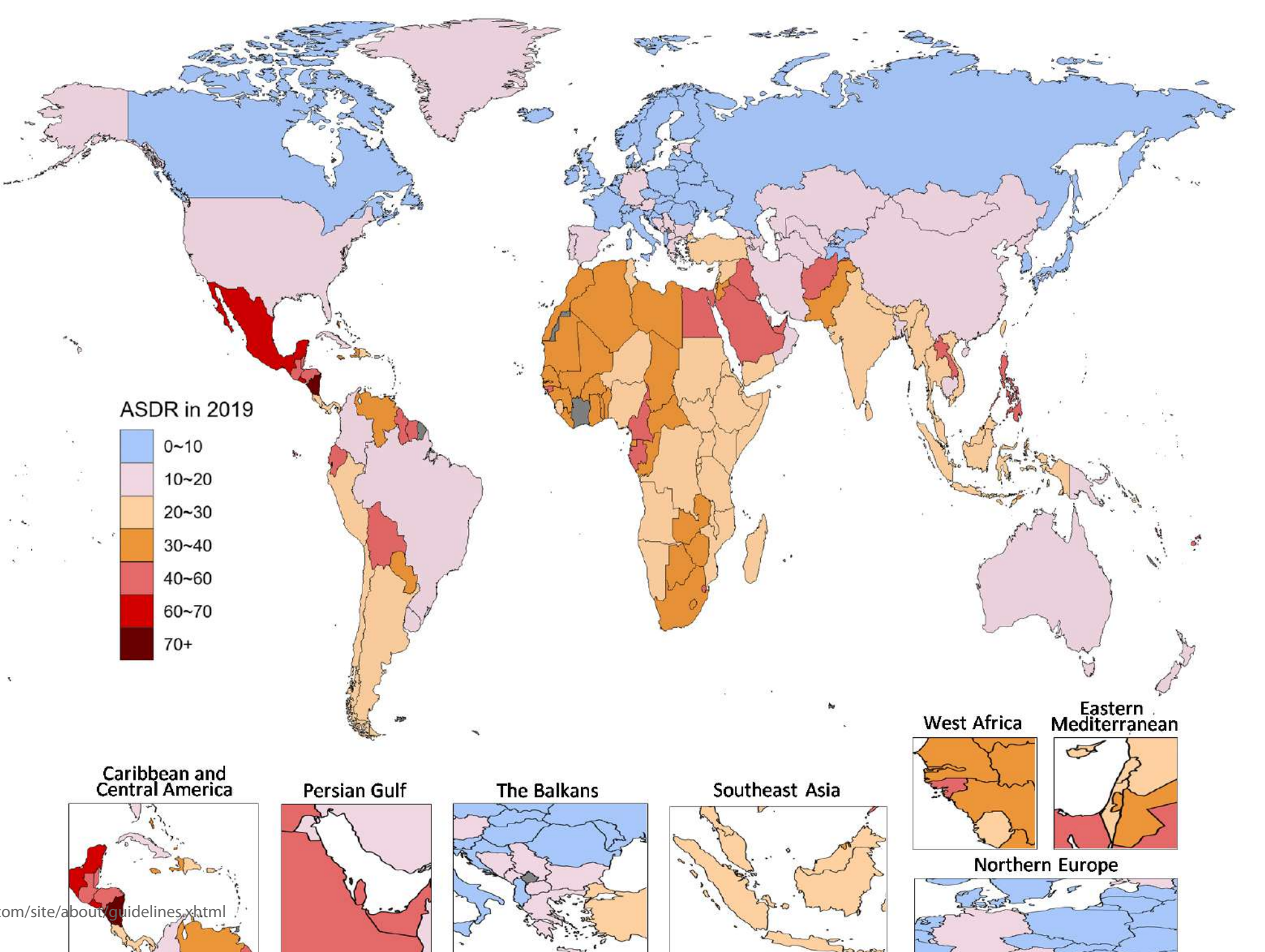
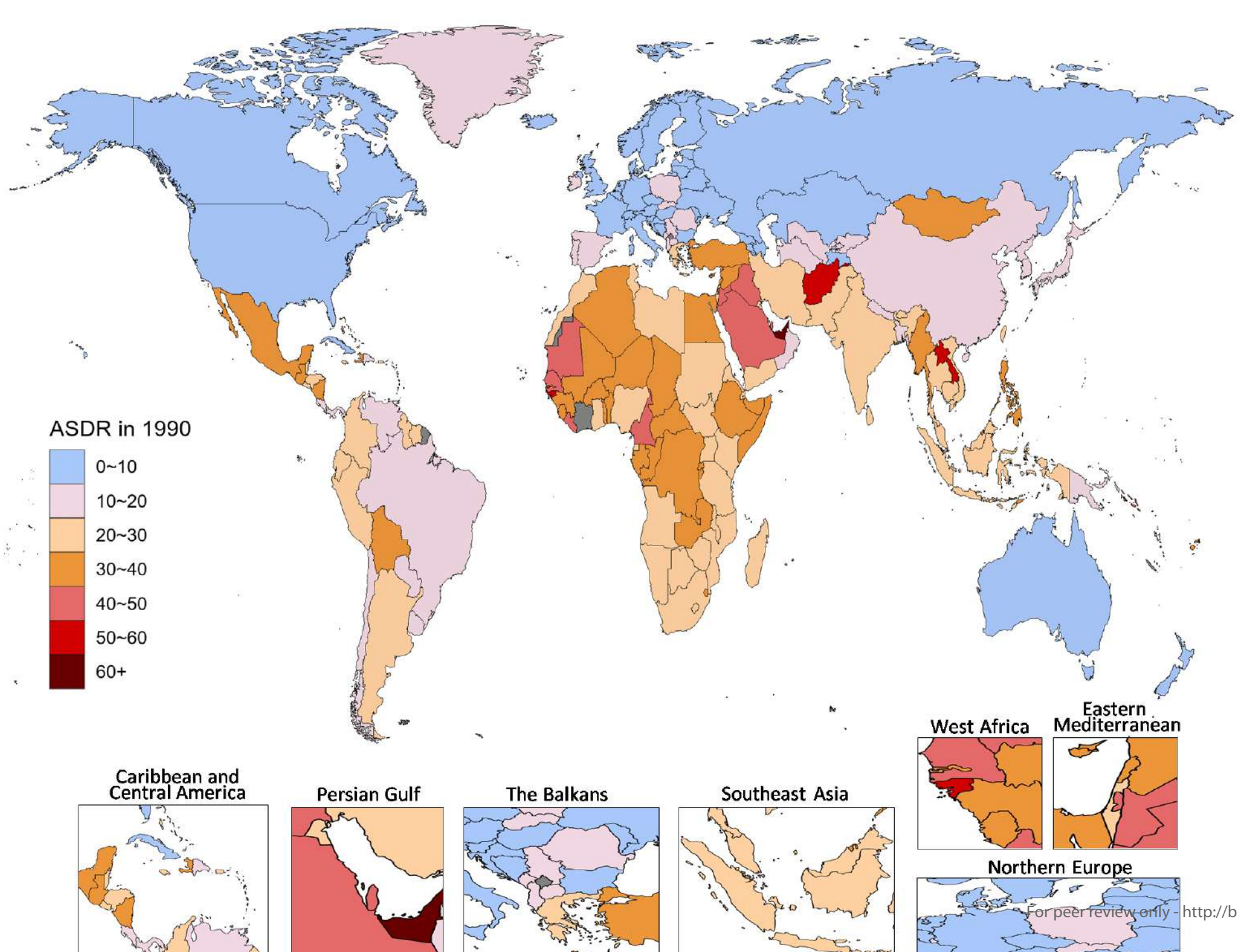
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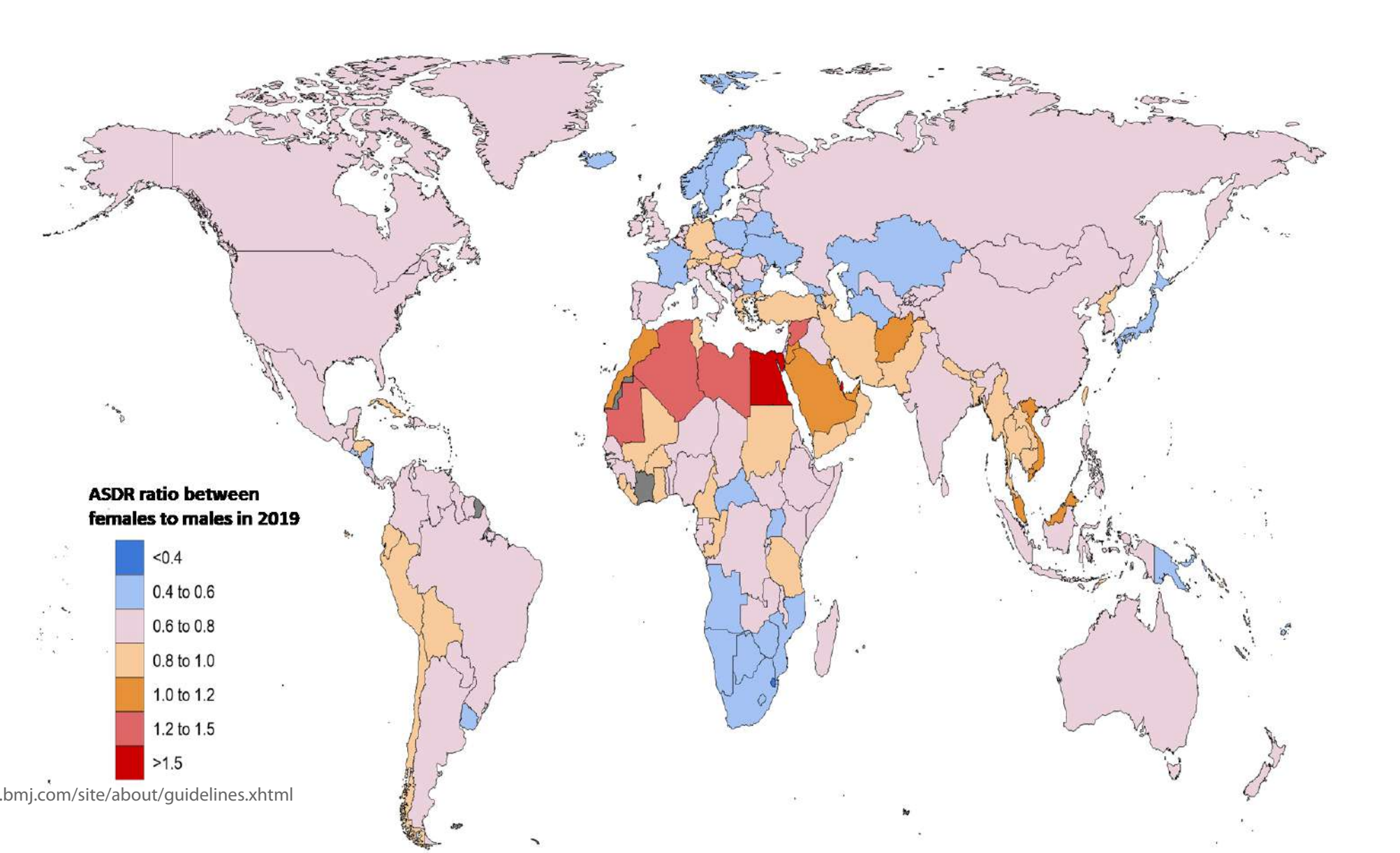
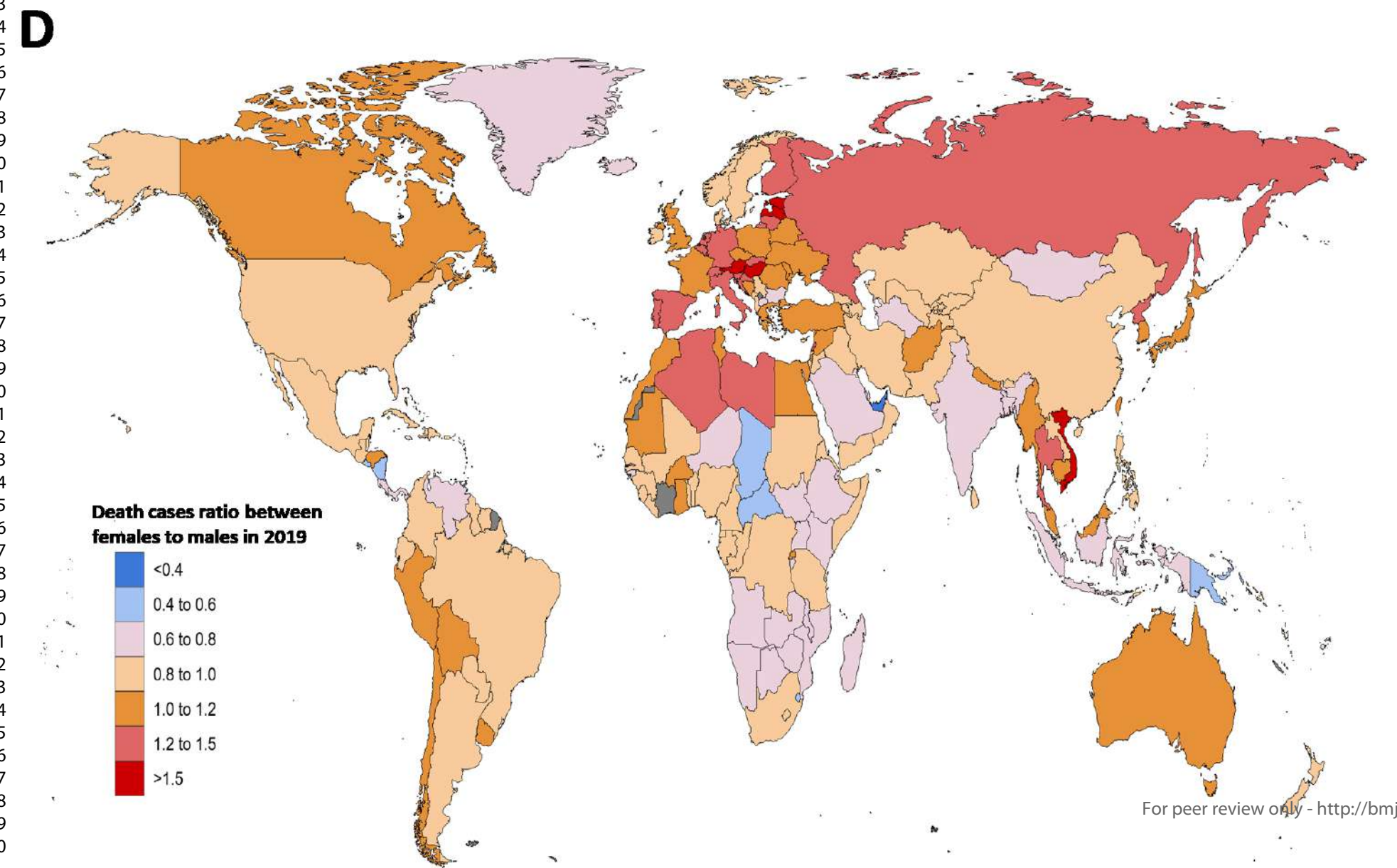
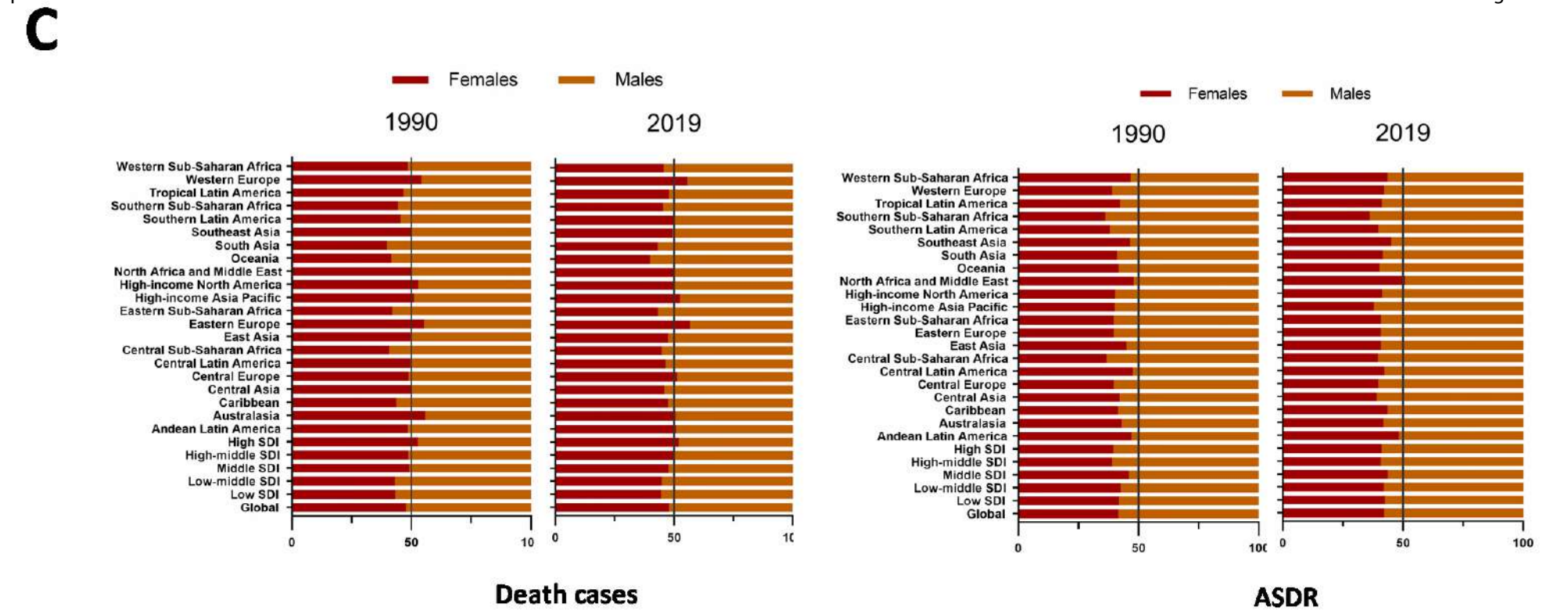
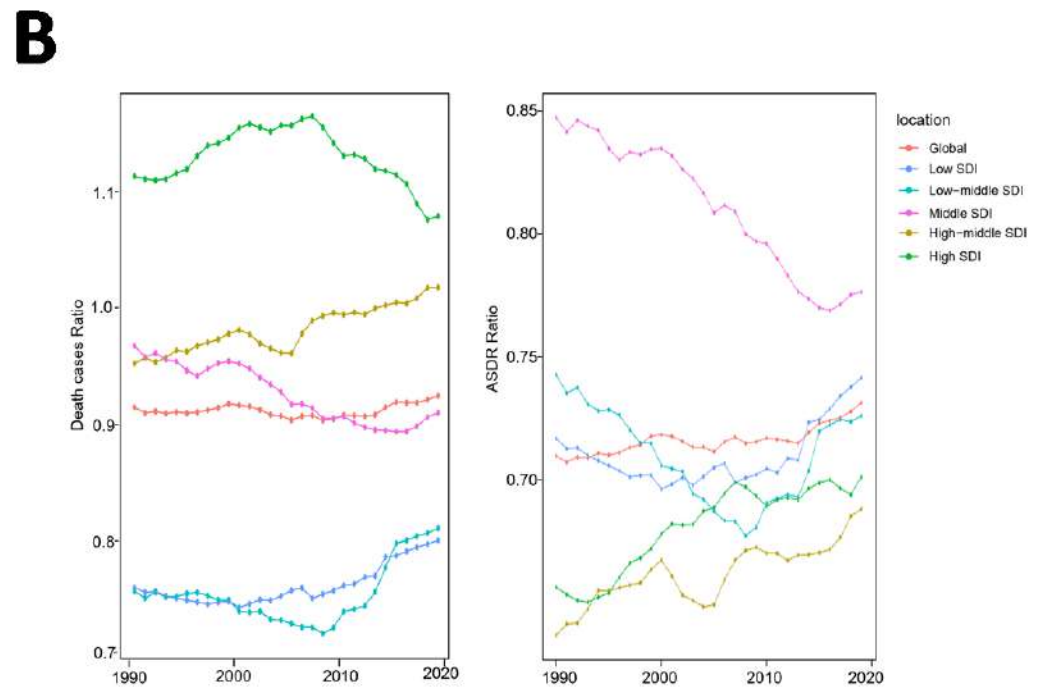
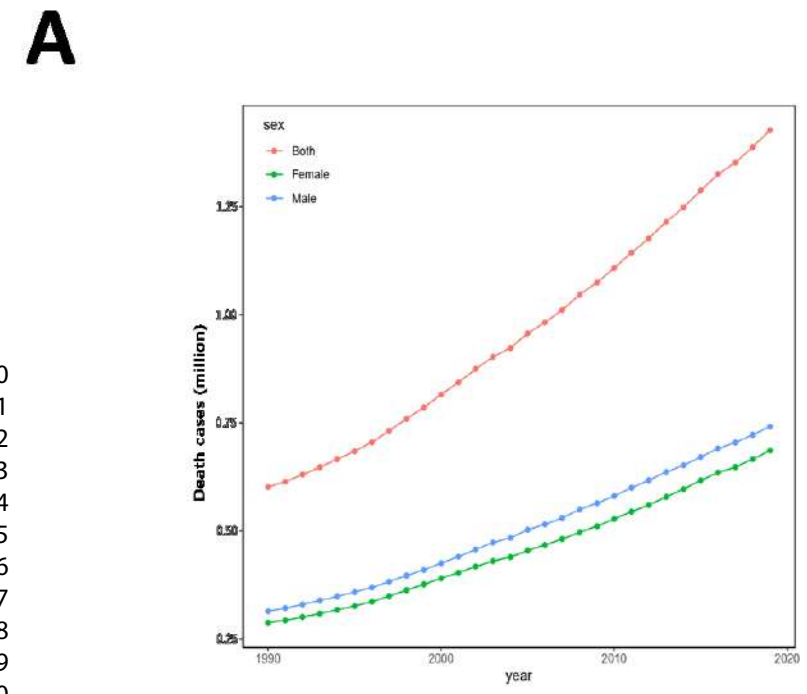
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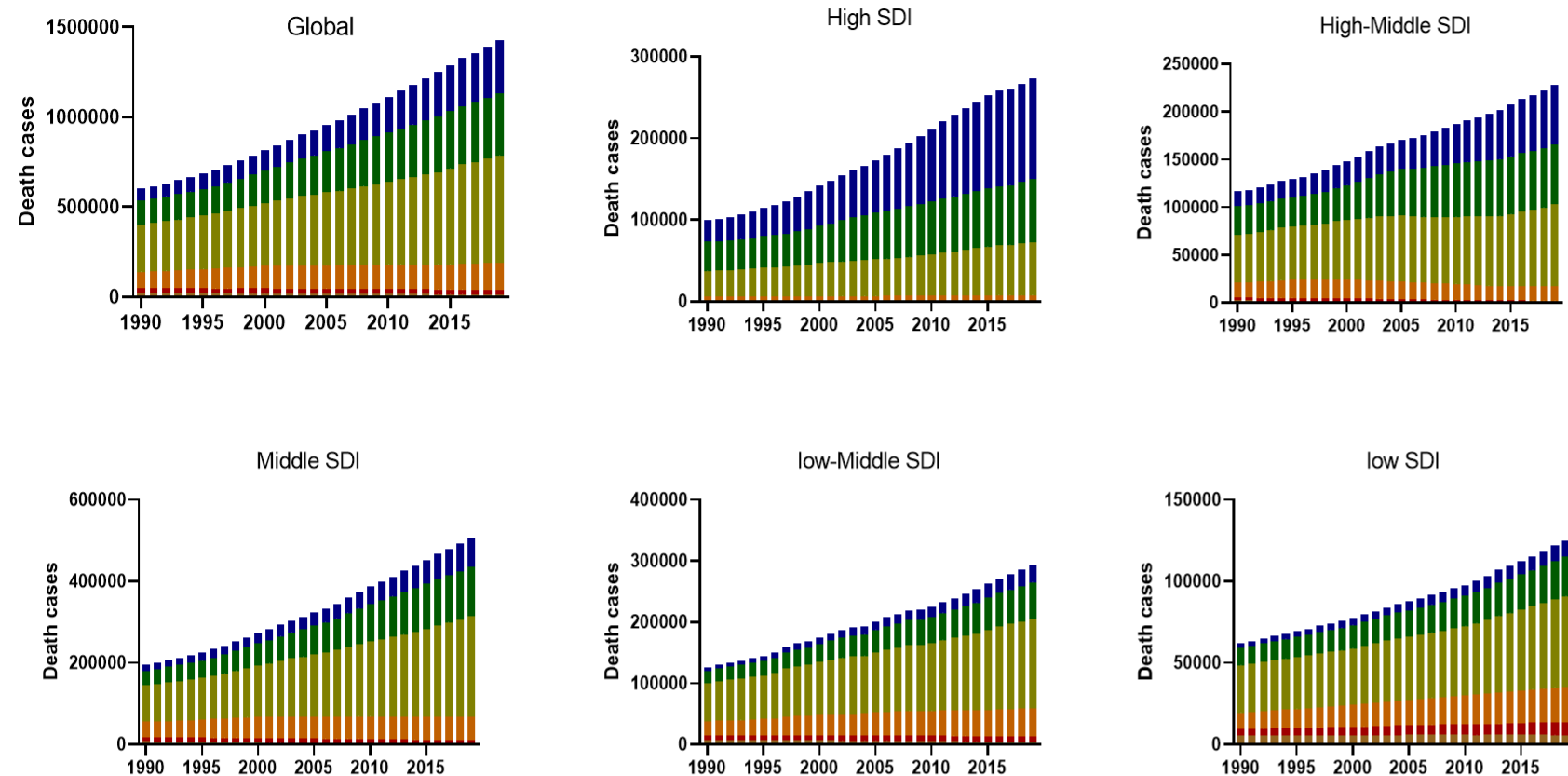




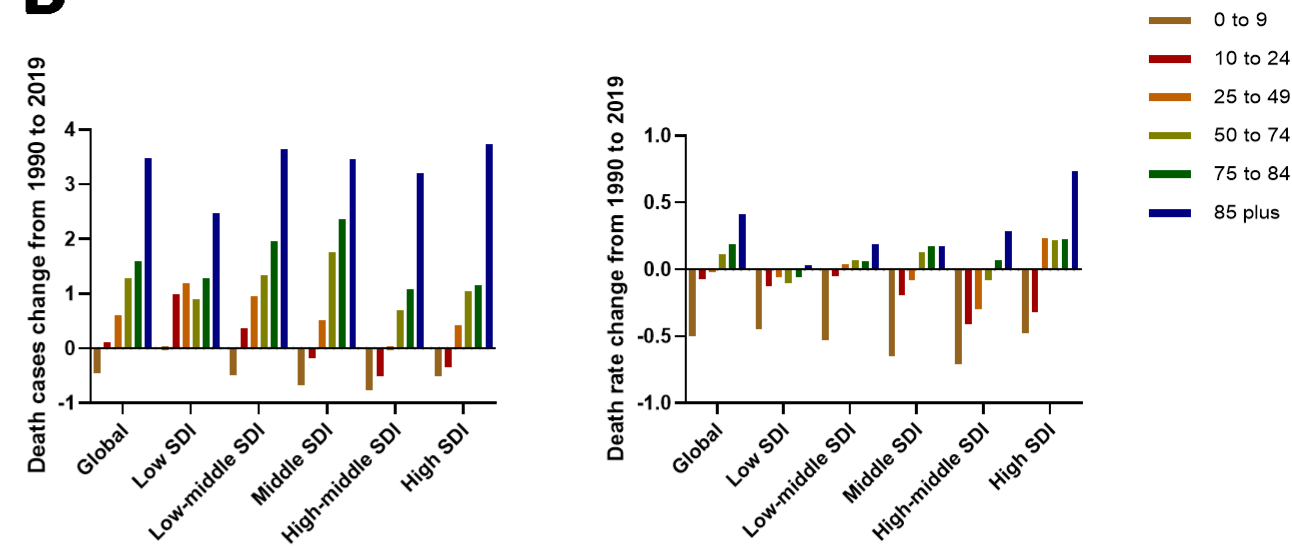




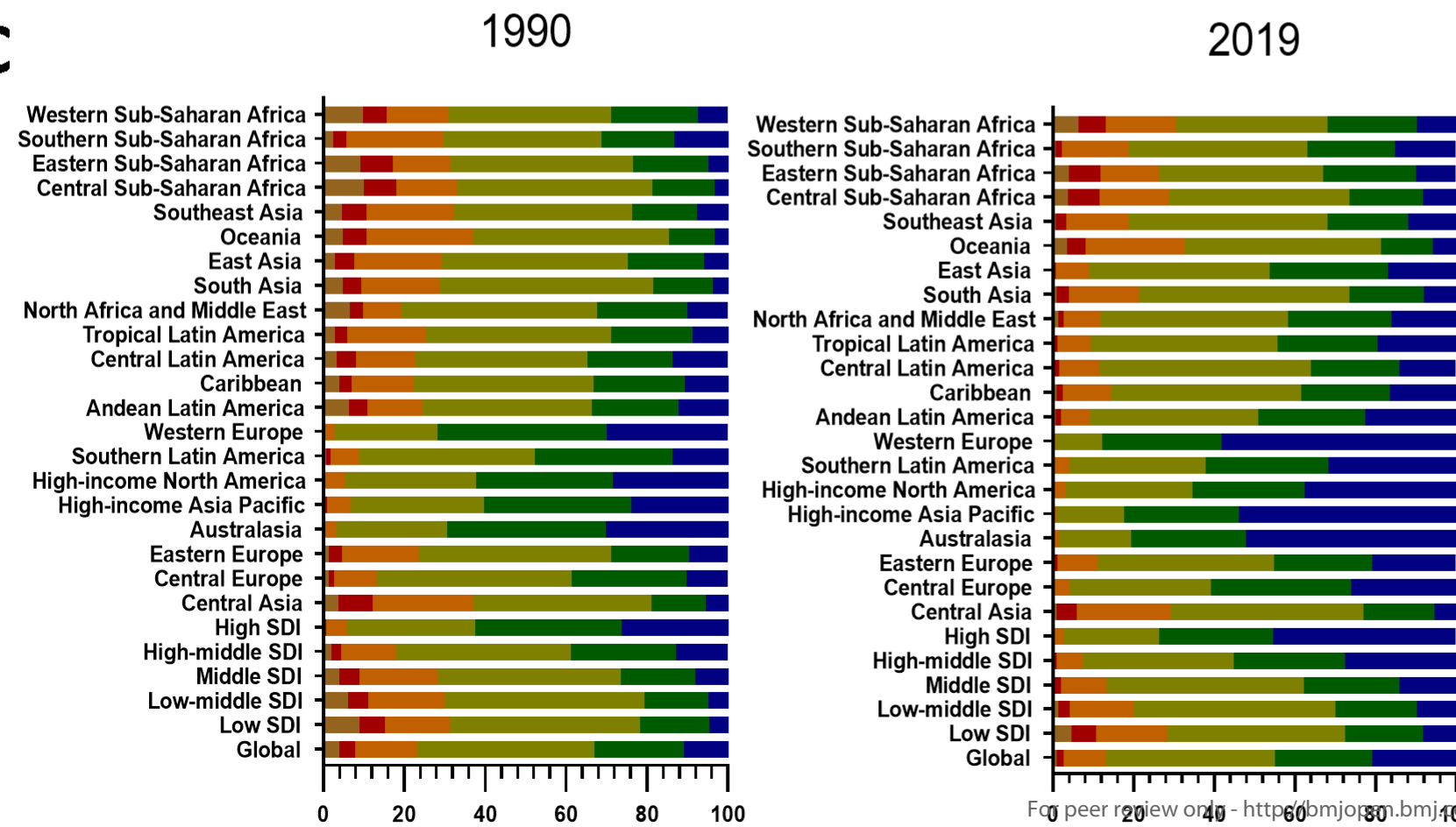
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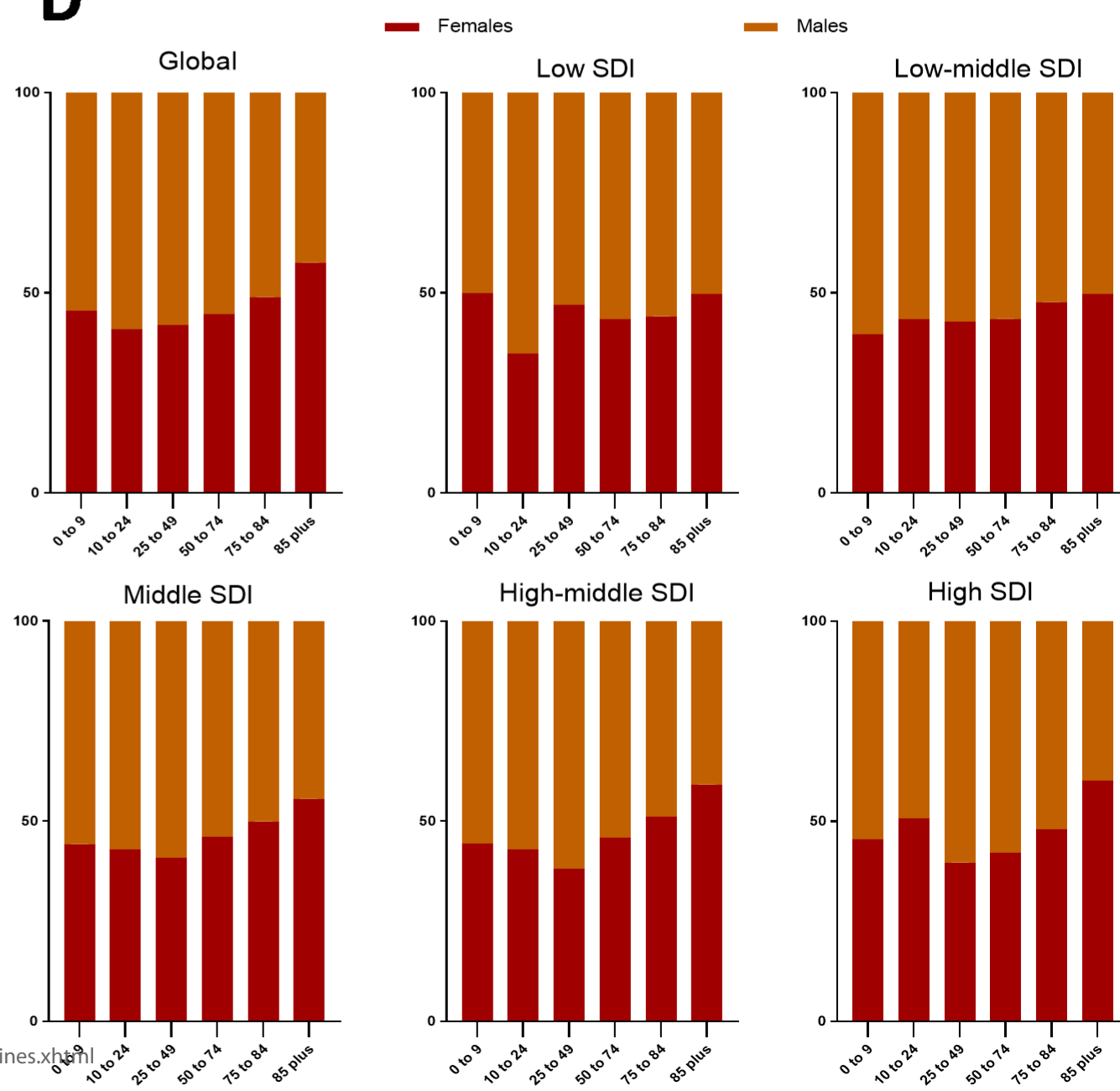
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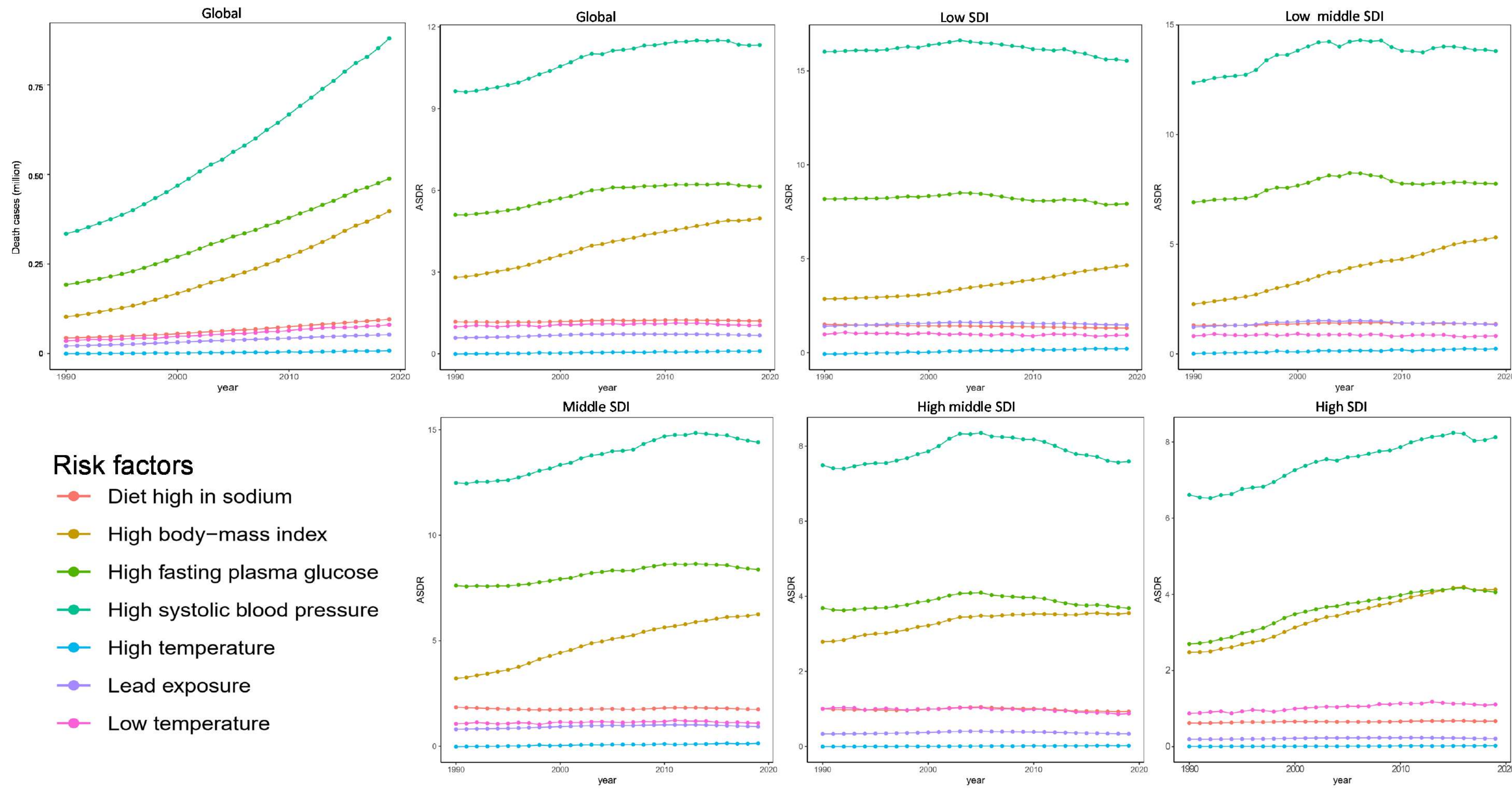


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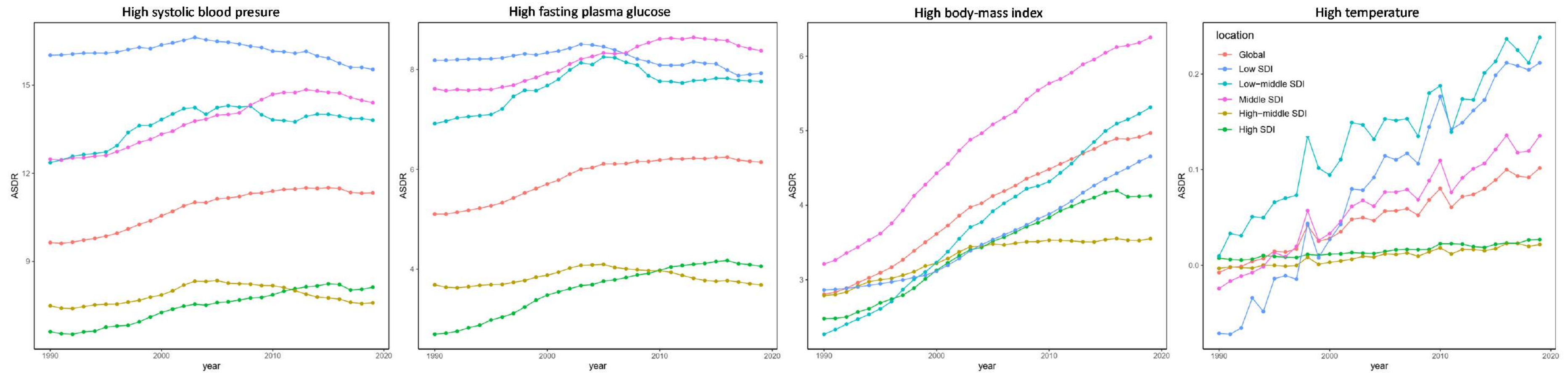




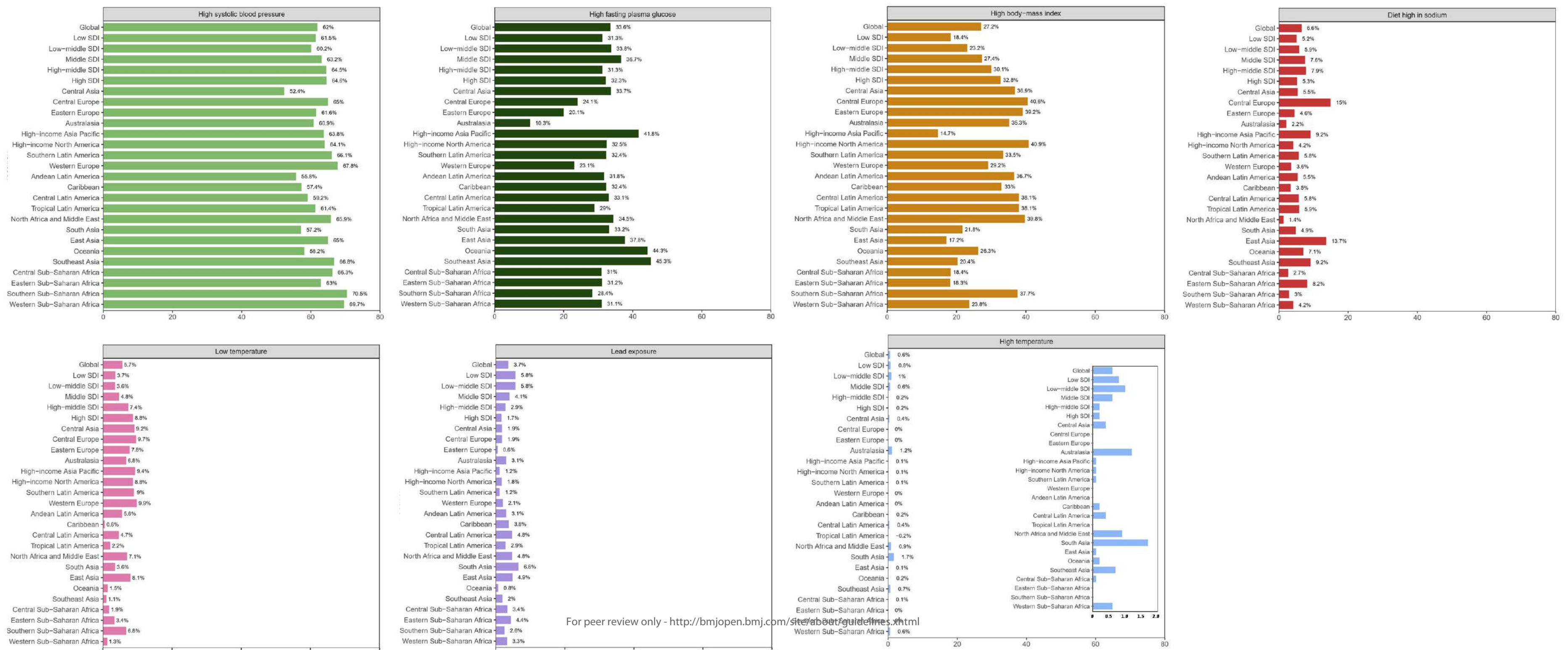
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# Global Death Burden of Chronic Kidney Disease from 1990 to 2019

**Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.**

**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.**

**Supplemental figure 5. The proportions of death numbers in India, China and America in global.**

**Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**

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5 **from 1990 to 2019 in global and regions.**  
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8 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
9 **1990 to 2019 in global and regions.**  
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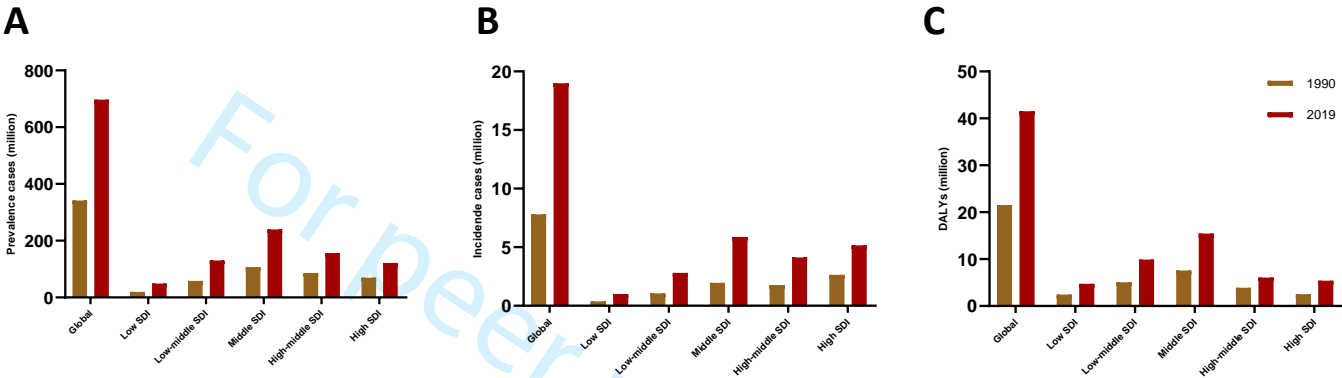
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12 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
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17 **Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019**  
18 **in 204 countries.**  
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21 **Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic**  
22 **regions from 1990 to 2019 in 21 regions.**  
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26 **Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries**  
27 **and territories from 1990 to 2019 in 204 countries.**  
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Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.



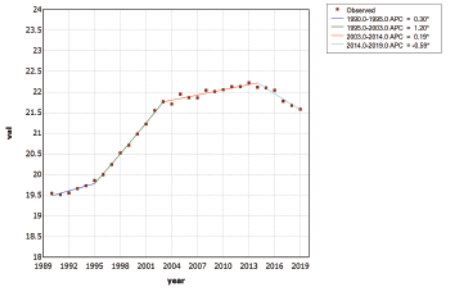
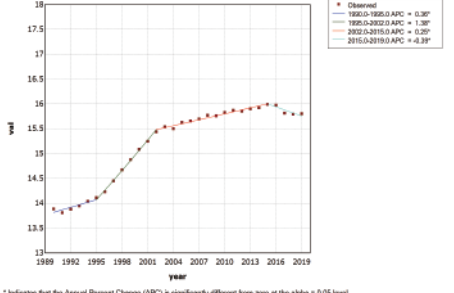
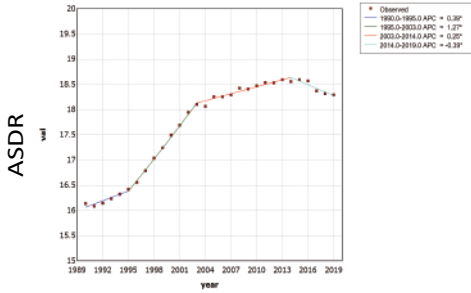
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5 **Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019.** DALYs,  
6 disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population).  
7 ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized  
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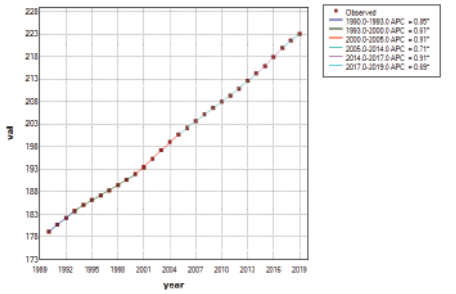
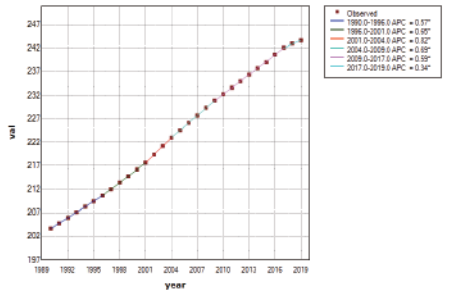
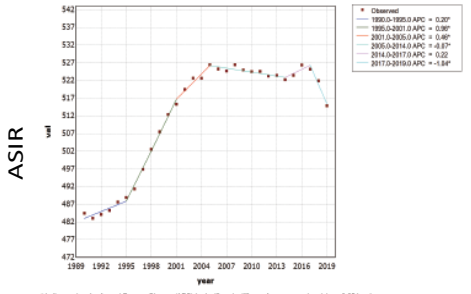
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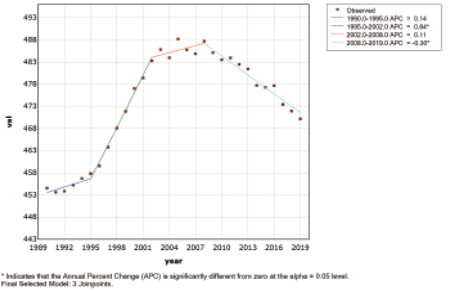
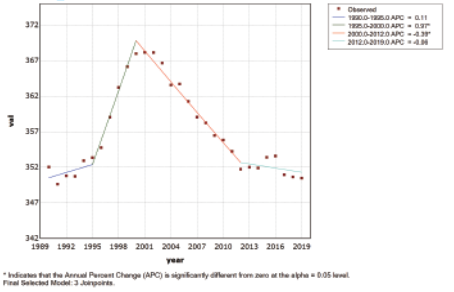
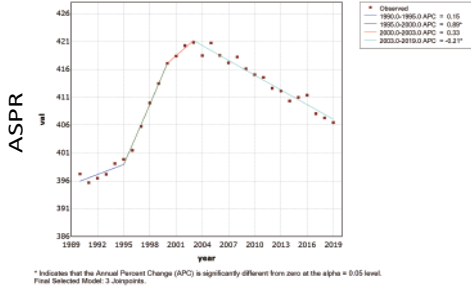
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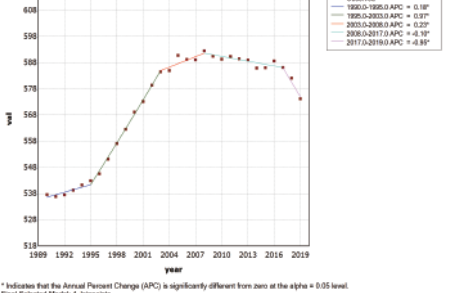
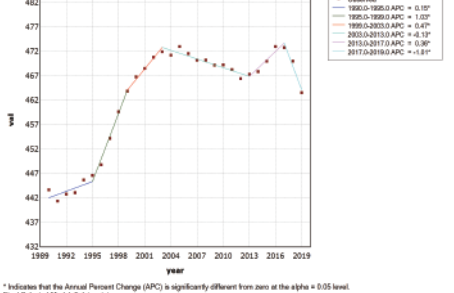
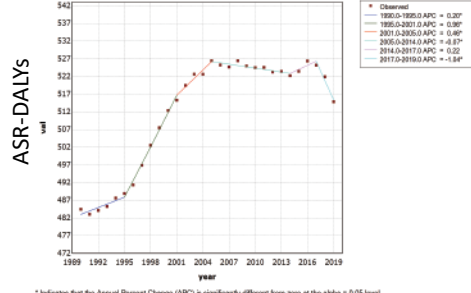
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

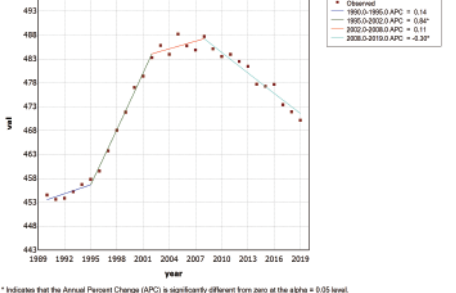
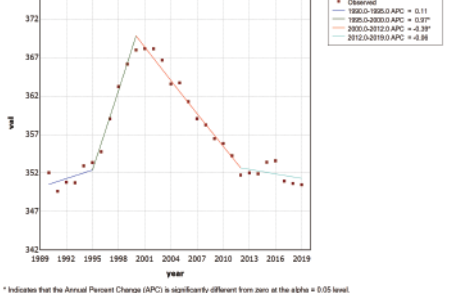
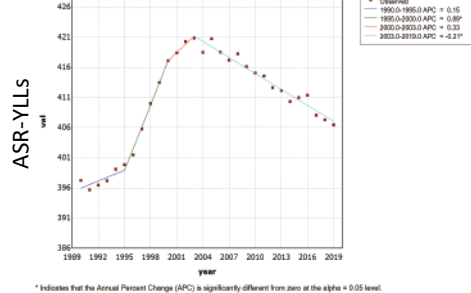
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

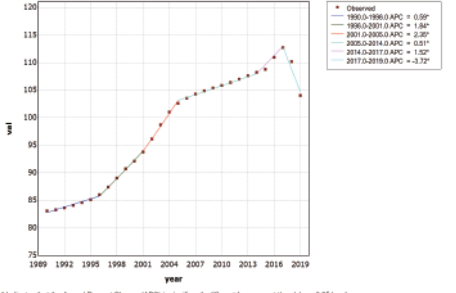
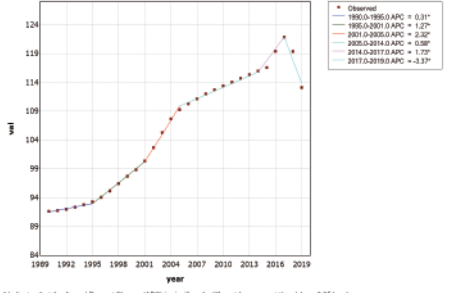
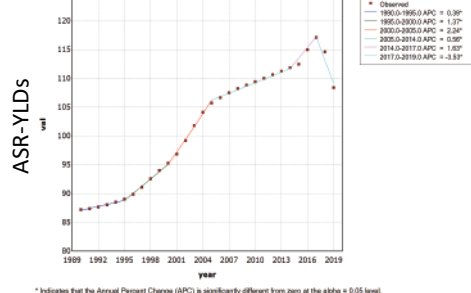
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

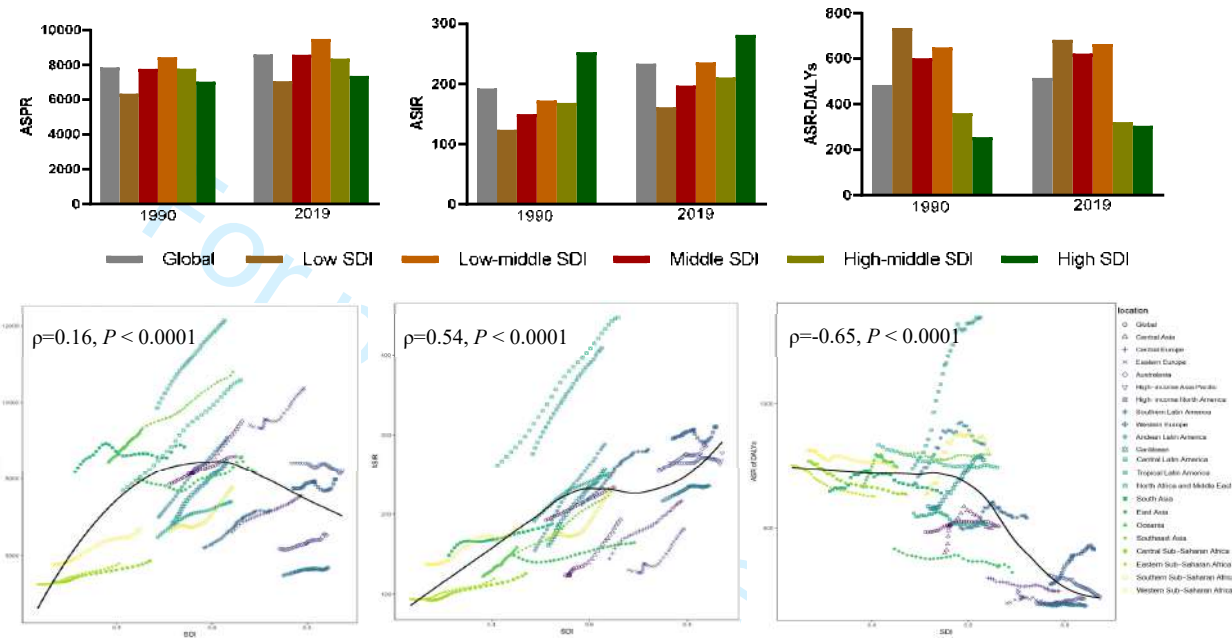
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.



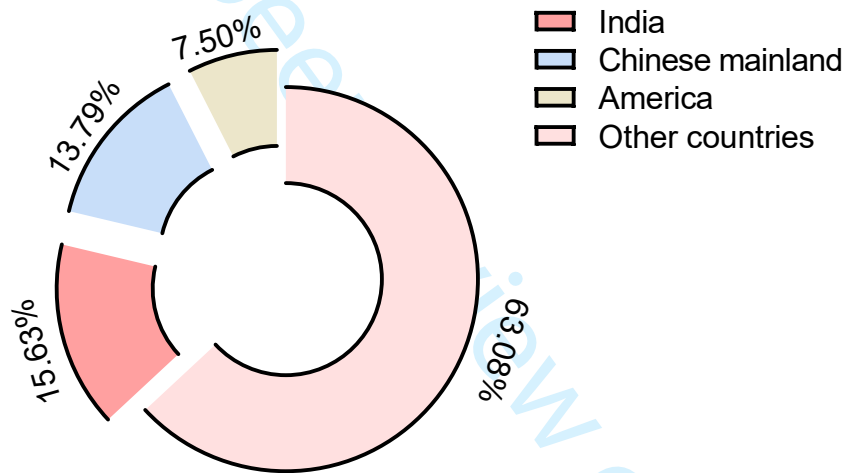
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5 **Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019.** DALYs,  
6 disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population).  
7 ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized  
8 DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000  
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Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.

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Supplemental figure 5. The proportions of death numbers in India, China and America in global.

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5 **Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**  
6 **from 1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Prevalence cases (*10 <sup>6</sup> ) (95% UI)	ASPR per 100,000 population (95% UI)	Prevalence cases (*10 <sup>6</sup> ) (95% UI)	ASPR per 100,000 population (95% UI)	EAPC of ASPR (95% CI)
Global	341.67 (316.59-366.107.7)	7855.83 (7300.33-8372.66)	697.29 (650.05-741080.75)	8596.21 (8015.74-9125.28)	0.32 (0.32 to 0.33)
<b>Gender</b>					
Males	153.14 (141.72-164.63)	7349.01 (6823.3-7842.18)	314.32 (292.96-334.84)	8109.77 (7572.96-8608.03)	0.69 (0.68 to 0.7)
Females	188.52 (174.87-201.34)	8305.89 (7710.48-8854.59)	382.98 (356.75-406.65)	9049.82 (8425.02-9616.13)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	19.74 (18.26-21321.4)	6338.15 (5882.6-6789.29)	48.7 (45.05-52510.46)	7057.41 (6568.24-7529.2)	0.34 (0.32 to 0.36)
Low-middle	58.61 (54.03-63338.25)	7766.83 (7198.66-8314.67)	130.15 (120.81-139501.25)	8579.86 (7996.24-9142.82)	0.25 (0.21 to 0.29)
Middle	107.24 (98.79-115911.52)	8440.84 (7808.66-9019.18)	239.88 (222.64-256277.84)	9491.19 (8838.42-10086.19)	0.48 (0.45 to 0.5)
High-middle	86.19 (79.75-92396.6)	7781.68 (7221.18-8317.69)	156.23 (145.42-166645.78)	8350.95 (7763.91-8901.8)	0.32 (0.29 to 0.34)
High	69.73 (64.86-74222.57)	7026.65 (6533.72-7475.58)	121.95 (114.53-129214.01)	7364.77 (6889.24-7796.06)	0.12 (0.09 to 0.14)
<b>21 GBD regions</b>					
Central Asia	4.45 (4.11-4803.7)	8137.03 (7524.1-8741.66)	8.15 (7.51-8784.58)	9524.26 (8802.23-10175.81)	0.59 (0.53 to 0.65)

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6	Central Europe	9.15 (8.44-9807.35)	6605.48 (6109.43-7070.96)	13.57 (12.65-14461.73)	7564.59 (7024.38-8040.5)	0.42 (0.4 to 0.44)
7						
8	Eastern Europe	24.38 (22.55-26323.67)	9409.89 (8700.06-10160.11)	30.13 (27.96-32292.36)	10377.83 (9616.95-11142.47)	0.39 (0.34 to 0.44)
9						
10	Australasia	1.41 (1.33-1487.37)	6177.9 (5831.64-6510.55)	2.95 (2.77-3128.02)	6532.01 (6133.49-6925.11)	0.22 (0.2 to 0.23)
11						
12	High-income Asia Pacific	16.55 (15.42-17679.41)	8433.41 (7860.45-8971.08)	31 (29.12-32934.31)	8231.15 (7714.65-8729.32)	-0.1 (-0.12 to -0.08)
13						
14	High-income North America	26.23 (24.33-28067.57)	7750.33 (7175.26-8252.76)	43.98 (41.11-46803.08)	7982.58 (7433.75-8484.6)	0.03 (-0.02 to 0.08)
15						
16	Southern Latin America	2.85 (2.66-3038.14)	6199.61 (5786.14-6591)	5.72 (5.38-6077.58)	7174.32 (6750.95-7629.01)	0.54 (0.49 to 0.59)
17						
18	Western Europe	29.05 (27.04-30993.2)	5488.94 (5116.7-5832.82)	45.44 (42.65-48233.7)	5690.53 (5326.14-6020.93)	0.08 (0.06 to 0.1)
19						
20	Andean Latin America	1.76 (1.52-2061.21)	7004.76 (6076.38-8070.59)	5.32 (4.71-6069.48)	9101.2 (8067.32-10290.91)	0.93 (0.91 to 0.94)
21						
22	Caribbean	1.97 (1.84-2108.93)	6840.61 (6371.07-7299.12)	4.29 (4.03-4568.68)	8457.06 (7927.23-8994.33)	0.74 (0.7 to 0.78)
23						
24	Central Latin America	10.31 (9.55-11027.08)	9865 (9168.77-10521.68)	29.53 (27.68-31265.59)	12139.27 (11377.05-12843.88)	0.68 (0.64 to 0.71)
25						
26	Tropical Latin America	7.08 (6.58-7550.26)	6482.97 (6054.23-6886)	17.9 (16.76-18992.36)	7399.15 (6923.65-7835.63)	0.42 (0.39 to 0.45)
27						
28	North Africa and Middle East	15.77 (14.73-16764.82)	7697.07 (7182.72-8168.78)	49.8 (46.52-52818.54)	10589.67 (9930.4-11229.54)	1.17 (1.13 to 1.22)
29						
30	South Asia	60.22 (55.46-65289.02)	8186.89 (7582.95-8782.32)	139.51 (128.99-150327.5)	8847.66 (8206.45-9453.58)	0.11 (0.03 to 0.18)
31						
32	East Asia	82.94 (76.25-90185.75)	7989.69 (7377.2-8599.68)	156.84 (144.51-169062.38)	8180.65 (7568.21-8798.3)	0.29 (0.2 to 0.37)
33						
34	Oceania	0.36 (0.33-391.33)	8440.17 (7784.51-9111.81)	0.9 (0.82-974.96)	9296.4 (8596.13-9971.06)	0.3 (0.29 to 0.31)
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Southeast Asia	31.01 (28.51-33656.96)	9351.48 (8661.82-10057.66)	71.14 (65.94-76348.22)	10803.4 (10057.32-11534.34)	0.5 (0.49 to 0.52)
Central Sub-Saharan Africa	1.69 (1.55-1841.1)	5306.9 (4899.19-5732.96)	4.52 (4.16-4907.57)	5867.73 (5434.29-6284.81)	0.36 (0.32 to 0.39)
Eastern Sub-Saharan Africa	5.54 (5.12-5997.22)	5254.32 (4862.09-5638.51)	13.92 (12.84-15065.98)	5800.09 (5395.2-6210.24)	0.36 (0.33 to 0.38)
Southern Sub-Saharan Africa	2.3 (2.13-2464.83)	6633.49 (6172.65-7075.02)	5.02 (4.66-5366.22)	7769.91 (7260.61-8261.86)	0.53 (0.45 to 0.61)
Western Sub-Saharan Africa	6.64 (6.16-7139.44)	5768.63 (5363.39-6151.96)	17.67 (16.4-18953.01)	6678.91 (6225.96-7102.83)	0.56 (0.52 to 0.59)

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5 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Incidence cases (*10 <sup>6</sup> ) (95% UI)	ASIR per 100,000 population (95% UI)	Incidence cases (*10 <sup>6</sup> ) (95% UI)	ASIR per 100,000 population (95% UI)	EAPC of ASIR (95% CI)
Global	7.8 (7.17-8485.39)	192.45 (177.31-209.05)	18.99 (17.56-20518.16)	233.65 (216.56-252.31)	0.69 (0.68 to 0.7)
<b>Gender</b>					
Males	3.36 (3.09-3.65)	179.21 (164.8-194.74)	8.51 (7.84-9.23)	223.02 (206.07-241.18)	0.69 (0.68 to 0.7)
Females	4.44 (4.08-4.84)	203.64 (187.5-221.38)	10.47 (9.7-11.32)	243.63 (225.94-262.66)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	0.37 (0.34-398.17)	123.72 (114.25-133.97)	1.01 (0.93-1085.2)	161.24 (148.07-175.64)	0.95 (0.92 to 0.99)
Low-middle	1.05 (0.97-1139.39)	149.68 (137.38-162.87)	2.81 (2.58-3056.52)	197.07 (181.51-214.36)	0.91 (0.87 to 0.95)
Middle	1.95 (1.79-2127.2)	172.4 (157.74-188.79)	5.87 (5.4-6373.37)	235.71 (218.23-254.87)	1.17 (1.14 to 1.2)
High-middle	1.78 (1.63-1952.09)	168.37 (154.83-183.45)	4.13 (3.8-4493.35)	210.65 (194.34-228.37)	0.89 (0.86 to 0.92)
High	2.64 (2.41-2883.51)	252.66 (232.46-274.36)	5.15 (4.75-5569.87)	281.67 (260.21-303.81)	0.28 (0.24 to 0.32)
<b>21 GBD regions</b>					
Central Asia	0.07 (0.06-75.25)	123.99 (113.45-135.88)	0.16 (0.15-178.53)	193.3 (176.73-211.27)	1.69 (1.52 to 1.87)

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6	Central Europe	0.21 (0.19-229.95)	144.36 (131.43-158.87)	0.44 (0.4-481.17)	216.5 (197.99-236.75)	1.21 (1.12 to 1.3)
7						
8	Eastern Europe	0.34 (0.3-370.22)	130.48 (119.44-142.71)	0.54 (0.49-599.18)	181.85 (166.07-199.03)	1.32 (1.15 to 1.49)
9						
10	Australasia	0.06 (0.06-65.23)	254.5 (240.37-269.78)	0.14 (0.13-153.73)	286.14 (264.78-308.93)	0.37 (0.33 to 0.41)
11						
12	High-income Asia Pacific	0.53 (0.49-577.29)	265.13 (244.47-287.79)	1.21 (1.11-1315.46)	277.51 (255.67-300.82)	0.08 (0.04 to 0.13)
13						
14	High-income North America	1.04 (0.94-1140.52)	295.47 (270.34-323.33)	1.89 (1.73-2062.59)	310.44 (284.74-336.3)	0.03 (-0.05 to 0.12)
15						
16	Southern Latin America	0.1 (0.09-106.64)	211.66 (193.13-230.93)	0.23 (0.22-253.7)	282.02 (260.12-304.6)	1.02 (0.93 to 1.1)
17						
18	Western Europe	1.28 (1.16-1410.45)	216.75 (198.62-236.36)	2.16 (1.99-2344.51)	235.6 (216.93-254.91)	0.25 (0.2 to 0.3)
19						
20	Andean Latin America	0.04 (0.03-38.3)	154.8 (142.57-167.62)	0.16 (0.15-175.89)	288.34 (264.91-311.21)	2.2 (2.09 to 2.3)
21						
22	Caribbean	0.04 (0.04-48.74)	161.46 (148.31-176.22)	0.13 (0.12-141.71)	256.39 (237.73-277)	1.58 (1.48 to 1.68)
23						
24	Central Latin America	0.27 (0.25-292.01)	276.65 (252.64-304.54)	0.99 (0.93-1060.8)	409.61 (383.06-437.91)	1.29 (1.21 to 1.36)
25						
26	Tropical Latin America	0.19 (0.18-210.14)	191.28 (176.52-209.33)	0.6 (0.56-655.92)	250.85 (233.24-272.18)	0.89 (0.82 to 0.96)
27						
28	North Africa and Middle East	0.51 (0.47-550.25)	261.9 (240.97-285.91)	2.03 (1.88-2202.72)	447.48 (415.13-482.83)	1.97 (1.87 to 2.08)
29						
30	South Asia	1.01 (0.93-1104.53)	148.9 (136.4-162.57)	2.67 (2.43-2918.85)	181.87 (165.91-198.75)	0.61 (0.54 to 0.68)
31						
32	East Asia	1.33 (1.21-1465.64)	148.49 (135.05-163.27)	3.27 (2.98-3599.05)	164.52 (150.62-179.18)	0.61 (0.51 to 0.7)
33						
34	Oceania	0 (0-5.25)	122.53 (112.38-133.56)	0.01 (0.01-14.89)	158.68 (145.3-172.89)	0.79 (0.74 to 0.84)
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Southeast Asia	0.45 (0.42-491.19)	152.65 (140.55-165.93)	1.43 (1.31-1547.89)	227.98 (210.24-246.38)	1.4 (1.37 to 1.44)
Central Sub-Saharan Africa	0.03 (0.03-30.16)	93.07 (86.17-100.24)	0.08 (0.08-89.02)	125.99 (115.7-136.67)	1.11 (1.01 to 1.2)
Eastern Sub-Saharan Africa	0.09 (0.09-99.99)	94.39 (87.18-102.21)	0.24 (0.22-258.06)	119.54 (109.76-130.11)	0.86 (0.78 to 0.93)
Southern Sub-Saharan Africa	0.05 (0.05-57.56)	168.63 (154.1-184.7)	0.14 (0.13-149.6)	231.14 (212.43-251.73)	1.04 (0.85 to 1.23)
Western Sub-Saharan Africa	0.16 (0.15-168.99)	137.2 (126.96-148.29)	0.44 (0.41-470.76)	181.8 (167.29-197.54)	1.13 (1.01 to 1.24)

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5 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	EAPC of ASR-DALYs (95% CI)
Global	21.5 (20.04-23065.78)	484.46 (452.28-518.67)	41.54 (38.29-45037.86)	514.86 (474.91-558.86)	0.31 (0.23 to 0.38)
<b>Gender</b>					
Males	11.2 (10.4-12.15)	537.61 (499.52-580.01)	21.98 (20.14-23.97)	574.23 (527.52-625.27)	0.35 (0.27 to 0.43)
Females	10.3 (9.46-11.22)	443.69 (409.36-481.56)	19.56 (17.7-21.47)	463.61 (419.34-509.95)	0.21 (0.15 to 0.28)
<b>Sociodemographic index</b>					
Low	2.45 (2.18-2728.52)	734.23 (667.32-804.58)	4.73 (4.21-5276.93)	682.18 (615.56-752.04)	-0.24 (-0.28 to -0.21)
Low-middle	5.05 (4.56-5598.22)	649.9 (591.82-714.59)	9.91 (8.98-10820.22)	664.18 (603.21-723.92)	0.1 (0 to 0.21)
Middle	7.55 (7.02-8112.98)	601.87 (560.14-645.51)	15.44 (14.17-16837.37)	621.93 (570.74-676.64)	0.27 (0.21 to 0.33)
High-middle	3.89 (3.6-4213.22)	360.16 (332.75-390.43)	6.05 (5.49-6665.14)	320.68 (290.18-353.73)	-0.36 (-0.46 to -0.27)
High	2.54 (2.33-2787.23)	254.32 (232.26-279.43)	5.38 (4.87-5884.31)	304.13 (274.09-335.44)	0.8 (0.72 to 0.89)
<b>21 GBD regions</b>					
Central Asia	0.23 (0.22-256.33)	397.89 (367.64-442.65)	0.43 (0.39-481.73)	506.72 (456.51-562.2)	0.48 (0.16 to 0.79)

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6	Central Europe	0.41 (0.38-437.53)	297.3 (278.39-317.88)	0.46 (0.4-523.54)	243.84 (212.01-278.04)	-0.62 (-0.69 to -0.55)
7						
8	Eastern Europe	0.49 (0.45-547.25)	197 (177.48-218.85)	0.56 (0.49-638.34)	196.77 (170.51-224.02)	-0.51 (-0.73 to -0.28)
9						
10	Australasia	0.04 (0.04-48.98)	196.75 (180.03-215.38)	0.1 (0.09-115.71)	214.3 (191.2-238.39)	0.45 (0.4 to 0.5)
11						
12	High-income Asia Pacific	0.59 (0.55-642.57)	310.61 (285.7-334.9)	0.96 (0.84-1067.61)	218.58 (192.71-243.9)	-1.16 (-1.21 to -1.1)
13						
14	High-income North America	0.93 (0.85-1032.34)	273.54 (247.51-303.34)	2.42 (2.22-2641.09)	413.63 (379.73-450.68)	1.69 (1.51 to 1.88)
15						
16	Southern Latin America	0.23 (0.22-245.13)	501.82 (472.93-530.86)	0.44 (0.41-472.11)	540.08 (500.88-579.63)	0.25 (0.02 to 0.48)
17						
18	Western Europe	1.08 (0.99-1188.03)	197.18 (179.66-216.97)	1.75 (1.56-1921.1)	186.58 (166.88-208.38)	-0.04 (-0.09 to 0.02)
19						
20	Andean Latin America	0.18 (0.17-196.15)	680.42 (626.59-742.08)	0.48 (0.4-564.87)	836.34 (704.25-981.59)	0.84 (0.59 to 1.1)
21						
22	Caribbean	0.17 (0.16-189.99)	587 (541.65-647.03)	0.39 (0.34-454.01)	774.89 (668-896.08)	1.32 (1.22 to 1.42)
23						
24	Central Latin America	0.78 (0.72-840.29)	739.23 (689.04-794.6)	3.28 (2.92-3697.82)	1348.14 (1203.58-1521.61)	2.3 (2.01 to 2.59)
25						
26	Tropical Latin America	0.61 (0.58-650.99)	559.23 (528.14-592.5)	1.24 (1.15-1332.95)	513.36 (476.05-553.4)	-0.37 (-0.46 to -0.29)
27						
28	North Africa and Middle East	1.77 (1.62-1930.04)	834.93 (762.27-947.15)	3.38 (2.92-3897.91)	744.36 (646.14-851.75)	-0.37 (-0.43 to -0.31)
29						
30	South Asia	4.69 (4.05-5324.9)	647.1 (557.75-731.83)	9.89 (8.8-11052.83)	640.65 (568.76-715.48)	-0.06 (-0.24 to 0.11)
31						
32	East Asia	4.2 (3.73-4664.95)	416.47 (371.77-461.55)	6.21 (5.36-7049.94)	320.44 (277.88-362.19)	-0.58 (-0.68 to -0.48)
33						
34	Oceania	0.03 (0.02-32.15)	664.24 (581.19-758.07)	0.07 (0.06-83.48)	747.22 (629.25-880.16)	0.27 (0.09 to 0.44)
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Southeast Asia	2.7 (2.49-2945.17)	806.56 (741.95-875.79)	5.11 (4.61-5673.54)	796.69 (720.03-881.21)	-0.02 (-0.07 to 0.03)
Central Sub-Saharan Africa	0.26 (0.22-303.29)	769.07 (656.59-891.05)	0.46 (0.37-563.41)	635.98 (510.34-766.78)	-0.73 (-0.77 to -0.7)
Eastern Sub-Saharan Africa	0.84 (0.71-949.63)	752.43 (668.49-837.88)	1.4 (1.21-1581.03)	626.45 (557.9-698.14)	-0.73 (-0.77 to -0.69)
Southern Sub-Saharan Africa	0.22 (0.2-249.55)	636.93 (576.23-723.35)	0.5 (0.45-545.96)	803.81 (733.62-878.51)	0.94 (0.63 to 1.25)
Western Sub-Saharan Africa	1.03 (0.87-1218.24)	813.99 (702.78-957.03)	2.01 (1.67-2371.3)	738.79 (627.78-857.08)	-0.27 (-0.3 to -0.23)

**Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in 204 countries.**

location	Death cases in 1990 (*10 <sup>3</sup> )	ASDR in 1990 (per 100,000 population)	Death cases in 2019 (*10 <sup>3</sup> )	ASDR in 2019 (per 100,000 population)	EAPC of ASDR from 1990 to 2019
Afghanistan	3.71 (2.82-5.06)	55.94 (42.01-81.56)	5.64 (4.33-7.92)	49.37 (37.14-74.78)	-0.33 (-0.37 to -0.28)
Albania	0.24 (0.22-0.26)	11.53 (10.65-12.4)	0.33 (0.25-0.42)	8.24 (6.22-10.66)	-1.1 (-1.34 to -0.86)
Algeria	3.56 (2.74-4.96)	38.73 (30.35-52.07)	8.2 (6.35-10.89)	31.57 (24.78-41.16)	-0.5 (-0.67 to -0.33)
American Samoa	0.01 (0.01-0.01)	40.55 (34.26-46.31)	0.03 (0.02-0.03)	59.34 (51.03-69)	1.41 (1.28 to 1.55)
Andorra	0 (0-0.01)	11.21 (8.79-14.36)	0.02 (0.01-0.02)	9.86 (7.46-12.24)	-0.39 (-0.57 to -0.2)
Angola	1.06 (0.76-1.34)	27.03 (19.77-33.28)	2.46 (1.73-3.16)	24.77 (17.36-31.37)	-0.37 (-0.42 to -0.33)
Antigua and Barbuda	0.01 (0.01-0.02)	26.3 (23.81-28.66)	0.04 (0.03-0.04)	39.05 (33.55-45.31)	1.69 (1.48 to 1.91)
Argentina	7.13 (6.72-7.54)	23.49 (22.02-24.9)	15.66 (14.21-17.05)	28.36 (25.83-30.9)	0.57 (0.27 to 0.88)
Armenia	0.07 (0.06-0.07)	3.03 (2.76-3.3)	0.45 (0.38-0.52)	11.35 (9.53-13.22)	4.65 (4.33 to 4.97)
Australia	1.71 (1.56-1.83)	9.49 (8.57-10.15)	5.21 (4.29-5.89)	10.75 (9.03-12.08)	0.62 (0.51 to 0.74)



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5	Austria	0.74 (0.68-0.79)	6.13 (5.62-6.53)	3.37 (2.86-3.73)	14.87 (12.79-16.36)	4.46 (3.94 to 4.98)
6						
7						
8	Azerbaijan	0.53 (0.47-0.59)	9.6 (8.55-10.9)	1.39 (1.16-1.63)	17.85 (14.56-20.65)	2.69 (2.23 to 3.16)
9						
10	Bahamas	0.04 (0.03-0.04)	24.48 (22.11-26.99)	0.11 (0.09-0.14)	30.35 (24.98-36.57)	1.14 (0.98 to 1.3)
11						
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13	Bahrain	0.04 (0.04-0.05)	38.45 (31.97-46.81)	0.18 (0.14-0.22)	34.82 (27.94-42.19)	-0.09 (-0.63 to 0.45)
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16	Bangladesh	7.7 (5.05-9.75)	13.66 (10.12-16.55)	12.78 (10.18-15.68)	10.9 (8.74-13.31)	-0.56 (-0.91 to -0.2)
17						
18	Barbados	0.05 (0.05-0.06)	18.45 (17.07-19.95)	0.12 (0.1-0.14)	25.66 (21.37-30.06)	1.14 (0.93 to 1.35)
19						
20						
21	Belarus	0.28 (0.26-0.29)	2.32 (2.15-2.46)	0.5 (0.4-0.62)	3.2 (2.57-3.97)	1.48 (0.93 to 2.04)
22						
23	Belgium	1.42 (1.3-1.53)	9.13 (8.31-9.81)	2.96 (2.5-3.34)	9.89 (8.49-11.03)	0.38 (0.28 to 0.48)
24						
25						
26	Belize	0.02 (0.02-0.02)	22.74 (20.41-25.07)	0.11 (0.1-0.13)	40.49 (35.02-46.66)	2.2 (1.72 to 2.69)
27						
28						
29	Benin	0.75 (0.64-0.87)	35.15 (30.27-40.77)	1.58 (1.19-2.06)	32.41 (25.19-40.64)	-0.15 (-0.23 to -0.07)
30						
31	Bermuda	0.01 (0.01-0.01)	16.94 (15.52-18.34)	0.02 (0.02-0.02)	14.55 (12.11-17.38)	-0.18 (-0.35 to -0.01)
32						
33						
34	Bhutan	0.06 (0.04-0.08)	22.36 (14.86-31.31)	0.15 (0.1-0.19)	28.1 (20.41-35.31)	0.86 (0.81 to 0.91)
35						
36	Bolivia (Plurinational State of)	1.23 (1.02-1.52)	39.15 (32.12-49.14)	4.42 (3.41-5.56)	55.89 (43.24-69.91)	1.3 (1.23 to 1.38)
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5	Bosnia and Herzegovina	0.34 (0.32-0.36)	9.3 (8.68-9.91)	0.66 (0.53-0.8)	11.56 (9.29-14.09)	0.8 (0.55 to 1.05)
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8	Botswana	0.14 (0.1-0.19)	27.26 (20.38-37.49)	0.44 (0.31-0.61)	37.05 (26.41-49.7)	0.64 (0.29 to 0.99)
9						
10	Brazil	16.25 (15.53-16.8)	19.48 (18.27-20.26)	42.34 (38.66-44.67)	18.6 (16.9-19.66)	-0.09 (-0.17 to -0.02)
11						
12						
13	Brunei Darussalam	0.03 (0.03-0.03)	36.65 (32.22-41.02)	0.08 (0.07-0.09)	37 (32.83-41.35)	0.74 (0.49 to 0.99)
14						
15	Bulgaria	0.75 (0.7-0.79)	6.89 (6.49-7.29)	1.95 (1.58-2.38)	14.23 (11.57-17.43)	2.68 (2.32 to 3.05)
16						
17						
18	Burkina Faso	1.25 (1.03-1.48)	30.19 (25.23-35.72)	2.82 (2.28-3.4)	30.98 (25.71-36.7)	0.03 (-0.07 to 0.13)
19						
20						
21	Burundi	0.74 (0.58-0.94)	31.09 (24.22-39.09)	1.04 (0.81-1.33)	25.11 (19.84-31.23)	-1 (-1.1 to -0.9)
22						
23	Cabo Verde	0.04 (0.03-0.04)	15.38 (13.65-18.09)	0.1 (0.09-0.12)	24.42 (21.5-27.42)	0.8 (0.48 to 1.12)
24						
25						
26	Cambodia	1.17 (0.97-1.38)	23.11 (19.27-27.26)	2.19 (1.77-2.6)	19.77 (16.16-22.88)	-0.64 (-0.73 to -0.56)
27						
28						
29	Cameroon	1.93 (1.49-2.38)	46.32 (35.64-56.56)	4.78 (3.53-6.3)	42.01 (31.74-53.82)	-0.29 (-0.36 to -0.22)
30						
31	Canada	2.64 (2.38-2.83)	8.44 (7.58-9.05)	7.5 (6.43-8.41)	9.67 (8.4-10.78)	0.22 (0.1 to 0.34)
32						
33						
34	Central African Republic	0.36 (0.27-0.45)	31.47 (23.87-38.91)	0.65 (0.48-0.86)	31.44 (23.07-40.76)	0.05 (-0.07 to 0.16)
35						
36	Chad	0.92 (0.71-1.28)	31.71 (24.21-44.14)	1.82 (1.36-2.4)	31.47 (24.21-40.94)	0.04 (-0.05 to 0.14)
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Chile	1.35 (1.28-1.42)	15.12 (14.14-15.91)	5.04 (4.47-5.49)	21.2 (18.81-23.09)	1.54 (1.18 to 1.91)
China	98.61 (86.8-111.08)	12.98 (11.52-14.53)	196.73 (168.24-224.68)	11.23 (9.63-12.77)	-0.21 (-0.32 to -0.09)
Colombia	3.56 (3.35-3.74)	21.24 (19.51-22.52)	9.5 (7.33-11.97)	17.48 (13.59-22.1)	-0.65 (-0.81 to -0.5)
Comoros	0.06 (0.04-0.08)	28.88 (19.76-36.55)	0.12 (0.1-0.14)	26.32 (22.01-31.51)	-0.51 (-0.64 to -0.38)
Congo	0.37 (0.26-0.46)	36.99 (26.02-46.61)	0.7 (0.48-0.92)	31.9 (21.82-40.63)	-0.68 (-0.79 to -0.56)
Cook Islands	0 (0-0)	23.6 (19.81-27.56)	0.01 (0.01-0.01)	29.72 (24.86-35)	0.99 (0.9 to 1.07)
Costa Rica	0.26 (0.24-0.27)	14.97 (13.7-16.1)	1.37 (1.08-1.71)	26.61 (20.83-33.09)	1.89 (1.41 to 2.37)
Croatia	0.43 (0.39-0.46)	7.27 (6.69-7.85)	0.92 (0.74-1.14)	9.7 (7.84-11.9)	0.93 (0.56 to 1.3)
Cuba	0.82 (0.77-0.86)	7.98 (7.53-8.38)	2.73 (2.24-3.32)	14.43 (11.8-17.53)	2.61 (2.35 to 2.86)
Cyprus	0.18 (0.16-0.21)	33.7 (29.01-39.16)	0.33 (0.29-0.38)	20.62 (17.88-23.26)	-2.01 (-2.19 to -1.83)
Czechia	1.08 (1.03-1.13)	8.09 (7.7-8.44)	1.32 (1.07-1.56)	6 (4.88-7.14)	-0.94 (-1.08 to -0.8)
Democratic People's Republic of Korea	2.38 (1.86-2.97)	15.72 (12.48-19.16)	4.32 (3.51-5.28)	14.24 (11.58-17.26)	-0.28 (-0.41 to -0.14)
Democratic Republic of the Congo	4.42 (3.69-5.24)	30.47 (25.83-35.58)	8.03 (6.4-9.93)	24.79 (19.49-30.7)	-0.81 (-0.85 to -0.77)

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5	Denmark	0.37 (0.34-0.4)	4.43 (4.05-4.75)	1.13 (0.98-1.26)	8.8 (7.65-9.71)	2.37 (1.93 to 2.8)
6						
7						
8	Djibouti	0.03 (0.02-0.04)	23.64 (17.63-30.82)	0.14 (0.1-0.18)	28.41 (22.57-36.87)	0.58 (0.48 to 0.68)
9						
10	Dominica	0.03 (0.02-0.03)	35.66 (32.01-39.51)	0.04 (0.04-0.05)	48.01 (39.68-57.88)	1.35 (1.23 to 1.47)
11						
12						
13	Dominican Republic	0.58 (0.52-0.65)	15.07 (13.33-16.88)	2.28 (1.69-3.04)	24.98 (18.71-33.09)	2.79 (2.47 to 3.12)
14						
15	Ecuador	1.09 (1.02-1.15)	20.77 (19.27-22.14)	6.91 (5.55-8.62)	50.48 (40.61-62.49)	3.43 (2.76 to 4.11)
16						
17						
18	Egypt	9.72 (6.8-11.83)	39.39 (27.32-49.32)	21.98 (12.86-31.56)	43.93 (26.96-61.79)	0.54 (0.44 to 0.64)
19						
20						
21	El Salvador	0.62 (0.58-0.67)	20.12 (18.68-21.65)	4.08 (3.09-5.23)	67.31 (50.85-86.63)	4.43 (3.7 to 5.16)
22						
23	Equatorial Guinea	0.06 (0.04-0.07)	29.32 (21.77-37.03)	0.14 (0.1-0.19)	32.78 (23.73-43.75)	0.54 (0.39 to 0.69)
24						
25						
26	Eritrea	0.25 (0.17-0.34)	24.73 (15.94-35.35)	0.66 (0.45-0.92)	27.87 (19.48-38.08)	0.3 (0.14 to 0.46)
27						
28						
29	Estonia	0.05 (0.05-0.06)	2.72 (2.52-2.94)	0.35 (0.28-0.43)	11.33 (9.07-13.93)	5.36 (4.91 to 5.81)
30						
31	Eswatini	0.1 (0.08-0.13)	37.13 (29.77-45.05)	0.27 (0.19-0.36)	51.29 (37.88-66.11)	1.28 (0.67 to 1.89)
32						
33						
34	Ethiopia	7.86 (6.41-9.38)	39.59 (32.49-46.12)	9.86 (8.58-11.29)	26.17 (22.48-30.08)	-1.62 (-1.7 to -1.55)
35						
36	Fiji	0.12 (0.09-0.14)	34.34 (28.19-43.41)	0.29 (0.23-0.37)	46.74 (37.81-57.1)	0.55 (0.17 to 0.93)
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5	Finland	0.21 (0.2-0.23)	3.08 (2.8-3.3)	0.71 (0.59-0.79)	4.69 (4.01-5.26)	2.13 (1.9 to 2.37)
6						
7						
8	France	7.12 (6.35-7.72)	7.99 (7.12-8.64)	12.7 (10.29-14.62)	6.59 (5.48-7.46)	-0.39 (-0.52 to -0.26)
9						
10	Gabon	0.18 (0.13-0.23)	35.51 (25.47-44.37)	0.37 (0.23-0.48)	41.2 (25.46-53.69)	0.46 (0.25 to 0.67)
11						
12						
13	Gambia	0.11 (0.08-0.14)	31.8 (25.23-39.71)	0.31 (0.24-0.39)	33.3 (27.05-40.97)	0.1 (-0.01 to 0.22)
14						
15	Georgia	0.35 (0.31-0.39)	6.2 (5.54-6.88)	0.71 (0.59-0.82)	11.89 (9.98-13.83)	3.59 (2.83 to 4.35)
16						
17						
18	Germany	9.35 (8.69-9.9)	7.04 (6.55-7.43)	35.22 (30.38-39.03)	14.7 (12.69-16.19)	3.54 (3.2 to 3.89)
19						
20						
21	Ghana	1.66 (1.25-2.22)	27.97 (21.27-36.97)	4.68 (3.38-5.96)	31.79 (23.14-39.85)	0.55 (0.44 to 0.66)
22						
23	Greece	2.95 (2.71-3.17)	20.63 (18.81-22.08)	4.6 (4.02-5.09)	14.96 (13.36-16.41)	-1.62 (-2.08 to -1.16)
24						
25						
26	Greenland	0 (0-0)	13.2 (11.48-15.22)	0.01 (0.01-0.01)	13.87 (11.51-16.31)	0.22 (0.11 to 0.34)
27						
28	Grenada	0.03 (0.02-0.03)	34.89 (31.52-38.34)	0.05 (0.04-0.06)	47.49 (41.83-52.74)	1.47 (1.3 to 1.64)
29						
30						
31	Guam	0.01 (0.01-0.02)	24.88 (21.94-27.8)	0.06 (0.05-0.07)	29.97 (25.2-35.61)	0.9 (0.61 to 1.19)
32						
33						
34	Guatemala	1.14 (1.02-1.27)	32.23 (28.9-35.79)	6.02 (4.81-7.5)	57.06 (46.4-70.3)	2.65 (2.29 to 3.01)
35						
36	Guinea	1.25 (1.01-1.59)	37.28 (30.01-47.69)	1.93 (1.51-2.42)	34.24 (27.19-42.48)	-0.1 (-0.17 to -0.02)
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5	Guinea-Bissau	0.21 (0.17-0.27)	50.78 (40.95-61.44)	0.29 (0.23-0.36)	40.52 (32.1-49.72)	-0.74 (-0.78 to -0.7)
6						
7						
8	Guyana	0.11 (0.1-0.13)	29.17 (25.4-33.04)	0.28 (0.22-0.36)	47.17 (37.07-58.98)	2.38 (2.15 to 2.61)
9						
10	Haiti	1.18 (0.91-1.64)	34.39 (26-50.81)	2.37 (1.67-3.61)	34.33 (24.49-52.97)	0.32 (0.18 to 0.47)
11						
12						
13	Honduras	0.56 (0.45-0.78)	26.05 (20.21-38.44)	3.16 (2.57-4.03)	55.87 (45.6-71.19)	3.09 (2.81 to 3.37)
14						
15	Hungary	0.78 (0.74-0.82)	5.84 (5.51-6.11)	1.82 (1.52-2.17)	8.92 (7.43-10.6)	2.57 (2.18 to 2.97)
16						
17						
18	Iceland	0.01 (0.01-0.01)	4.19 (3.74-4.58)	0.03 (0.03-0.04)	4.98 (4.14-5.69)	0.89 (0.75 to 1.03)
19						
20						
21	India	92.81 (79.36-104.72)	22.76 (19.35-25.79)	222.92 (191.55-258.59)	20.92 (17.98-24.08)	-0.55 (-0.77 to -0.33)
22						
23	Indonesia	22.38 (20.04-24.93)	21.08 (18.79-23.69)	42.13 (35.88-48.3)	20.95 (17.92-23.36)	0 (-0.13 to 0.12)
24						
25						
26	Iran (Islamic Republic of)	5.27 (4.82-5.77)	24.11 (21.79-28.8)	12.55 (11.38-13.41)	19.77 (17.77-21.21)	-0.89 (-0.98 to -0.79)
27						
28						
29	Iraq	3.46 (2.82-4.48)	46.27 (37.12-61.87)	7.89 (6.16-10.08)	41.86 (33.19-53.49)	-0.42 (-0.48 to -0.35)
30						
31	Ireland	0.42 (0.39-0.44)	10.95 (10.02-11.65)	0.7 (0.59-0.79)	8.89 (7.57-9.94)	-0.71 (-0.79 to -0.64)
32						
33						
34	Israel	0.96 (0.88-1.02)	21.9 (19.96-23.41)	2.76 (2.37-3.06)	21.48 (18.66-23.71)	0.28 (-0.04 to 0.6)
35						
36	Italy	8.39 (7.89-8.68)	9.78 (9.09-10.16)	16.51 (13.88-18.05)	8.6 (7.37-9.33)	-0.17 (-0.31 to -0.04)
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5	Ivory Coast	1.57 (1.27-1.87)	40.34 (33.8-47.23)	3.43 (2.59-4.33)	34.73 (28.03-42.22)	-0.61 (-0.73 to -0.49)
6						
7						
8	Jamaica	0.43 (0.39-0.46)	23.34 (21.34-24.93)	0.94 (0.76-1.15)	30.23 (24.24-37.39)	0.3 (-0.21 to 0.82)
9						
10	Japan	19.48 (17.92-20.33)	12.85 (11.7-13.48)	45.32 (35.35-51.15)	8.87 (7.24-9.83)	-1.44 (-1.54 to -1.34)
11						
12						
13	Jordan	0.44 (0.37-0.51)	40.92 (34.47-48.38)	1.81 (1.52-2.15)	36.65 (30.74-43.21)	-0.28 (-0.4 to -0.15)
14						
15						
16	Kazakhstan	0.97 (0.91-1.05)	7.34 (6.89-7.89)	1.87 (1.64-2.13)	11.79 (10.31-13.3)	1.12 (0.79 to 1.45)
17						
18	Kenya	1.62 (1.36-1.94)	20.91 (17.39-25.31)	4.76 (3.99-5.64)	25.35 (21.47-29.6)	0.75 (0.67 to 0.82)
19						
20						
21	Kiribati	0.02 (0.01-0.02)	44.1 (36.16-52.87)	0.04 (0.03-0.05)	56.87 (43.53-72.81)	0.6 (0.19 to 1.02)
22						
23						
24	Kuwait	0.14 (0.12-0.15)	27.67 (23.81-30.52)	0.32 (0.27-0.39)	16.18 (13.28-19.5)	-2.21 (-2.93 to -1.48)
25						
26	Kyrgyzstan	0.43 (0.39-0.47)	12.46 (11.34-13.65)	0.49 (0.42-0.56)	9.8 (8.54-11.16)	-1.37 (-1.82 to -0.93)
27						
28						
29	Lao People's Democratic Republic	1.08 (0.85-1.35)	50.84 (39.68-64.92)	1.71 (1.31-2.18)	41.81 (32.97-51.98)	-0.85 (-0.92 to -0.78)
30						
31	Latvia	0.08 (0.07-0.08)	2.33 (2.17-2.5)	0.26 (0.22-0.32)	6.22 (5.25-7.5)	4.52 (4 to 5.05)
32						
33						
34	Lebanon	0.62 (0.52-0.75)	32.44 (27.01-39.57)	1.18 (0.85-1.53)	23.32 (16.78-30.26)	-1.11 (-1.25 to -0.97)
35						
36	Lesotho	0.22 (0.18-0.28)	24.49 (20.02-29.91)	0.56 (0.4-0.73)	49.32 (35.95-62.73)	3.04 (2.73 to 3.35)
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5	Liberia	0.45 (0.37-0.55)	41.82 (35.14-51.43)	0.65 (0.47-0.9)	33.14 (25.24-45.08)	-0.58 (-0.85 to -0.32)
6						
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8	Libya	0.52 (0.4-0.66)	29.75 (22.44-39.08)	1.37 (0.92-1.86)	30.37 (20.49-41.27)	0.33 (0.15 to 0.5)
9						
10	Lithuania	0.12 (0.11-0.12)	2.66 (2.46-2.84)	0.26 (0.22-0.31)	4.37 (3.64-5.24)	1.2 (0.62 to 1.78)
11						
12						
13	Luxembourg	0.05 (0.05-0.06)	10.12 (9.11-10.94)	0.12 (0.1-0.14)	10.19 (8.48-11.88)	0.23 (0.02 to 0.44)
14						
15	Madagascar	1.2 (0.94-1.49)	22.91 (17.82-29.06)	1.94 (1.49-2.54)	20.34 (15.74-26.54)	-0.49 (-0.56 to -0.42)
16						
17						
18	Malawi	1.04 (0.83-1.21)	27.48 (23.76-31.57)	1.78 (1.46-2.15)	26.24 (21.93-31.13)	-0.28 (-0.42 to -0.14)
19						
20						
21	Malaysia	2.18 (2.01-2.37)	24.78 (22.57-27.13)	6.11 (4.87-7.45)	25.56 (20.44-31)	-0.47 (-0.73 to -0.22)
22						
23	Maldives	0.04 (0.04-0.05)	57.41 (49.94-68.83)	0.09 (0.07-0.1)	33.8 (27.82-39.77)	-2.22 (-2.46 to -1.97)
24						
25						
26	Mali	1.52 (1.21-1.91)	37.05 (29.91-46.42)	2.7 (2.07-3.46)	31.19 (25-38.82)	-0.45 (-0.61 to -0.29)
27						
28	Malta	0.05 (0.05-0.06)	13.49 (12.13-14.67)	0.11 (0.09-0.12)	10.34 (8.85-11.81)	-0.93 (-1.14 to -0.72)
29						
30						
31	Marshall Islands	0.01 (0.01-0.01)	39.58 (31.44-51.85)	0.02 (0.01-0.02)	53.39 (39.7-72.05)	1.04 (0.78 to 1.3)
32						
33						
34	Mauritania	0.45 (0.38-0.53)	47.02 (39-55.12)	0.59 (0.44-0.76)	30.91 (23.68-38.57)	-1.45 (-1.52 to -1.37)
35						
36	Mauritius	0.31 (0.29-0.33)	44.68 (41.91-47.57)	1.26 (1.03-1.53)	75.03 (61.8-90.76)	2.09 (1.74 to 2.45)
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5	Mexico	12.18 (11.63-12.52)	30.65 (28.76-31.74)	72.54 (62.59-82.5)	63.67 (55.02-72.25)	2.85 (2.43 to 3.27)
6						
7						
8	Micronesia (Federated States of)	0.02 (0.02-0.03)	49.5 (39.15-64.24)	0.05 (0.03-0.06)	77.21 (57.56-97.54)	1.45 (1.05 to 1.84)
9						
10	Monaco	0 (0-0)	4.16 (3.41-4.99)	0.01 (0.01-0.01)	6.28 (5.16-7.39)	1.83 (1.41 to 2.26)
11						
12						
13	Mongolia	0.39 (0.33-0.46)	35.49 (30.53-41)	0.39 (0.31-0.5)	17.81 (14.41-22.12)	-3.6 (-4.07 to -3.12)
14						
15	Montenegro	0.07 (0.07-0.08)	12.43 (11.17-13.87)	0.13 (0.11-0.15)	13.82 (11.6-16.13)	0.55 (0.38 to 0.72)
16						
17						
18	Morocco	3.55 (3.03-4.63)	29.43 (24.56-41.35)	9.32 (7.16-11.84)	35.84 (27.87-46.25)	0.76 (0.62 to 0.89)
19						
20	Mozambique	1.24 (1.02-1.52)	22.84 (18.92-28.33)	2.64 (2.08-3.28)	25.87 (21.06-32.1)	0.5 (0.37 to 0.63)
21						
22						
23	Myanmar	7.64 (5.94-9.5)	30.76 (24.01-38.16)	11.55 (9.73-13.96)	26.84 (23.21-32.3)	-0.53 (-0.65 to -0.41)
24						
25						
26	Namibia	0.18 (0.13-0.24)	27.85 (20.88-37.4)	0.35 (0.25-0.49)	27.4 (20-38.41)	-0.39 (-0.75 to -0.02)
27						
28	Nauru	0 (0-0)	49.17 (38.1-60.09)	0 (0-0)	66.61 (49.13-82.46)	0.93 (0.61 to 1.25)
29						
30						
31	Nepal	1.73 (1.27-2.25)	18.15 (13.34-24.47)	5.11 (3.58-6.71)	25.06 (17.71-32.79)	1.23 (0.94 to 1.53)
32						
33						
34	Netherlands	1.68 (1.48-1.82)	8.42 (7.37-9.15)	3.78 (3.23-4.22)	9.8 (8.42-10.92)	0.67 (0.59 to 0.75)
35						
36	New Zealand	0.31 (0.28-0.33)	8.26 (7.56-8.83)	0.91 (0.79-1)	10.82 (9.52-11.82)	1.04 (0.82 to 1.27)
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5	Nicaragua	0.61 (0.57-0.65)	37.62 (34.76-40.75)	3.48 (2.87-4.09)	83.24 (69.57-96.75)	3.14 (2.79 to 3.49)
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7						
8	Niger	1.07 (0.84-1.35)	35.2 (27.55-44.12)	2.2 (1.61-2.91)	28.69 (22.39-36.04)	-0.66 (-0.73 to -0.6)
9						
10	Nigeria	11.66 (9.42-14.85)	27.69 (22.51-35.07)	20.04 (15.89-25.09)	24.84 (20.27-30.37)	-0.3 (-0.36 to -0.23)
11						
12						
13	Niue	0 (0-0)	35.72 (28.03-44.02)	0 (0-0)	47.39 (34.47-59.33)	0.85 (0.59 to 1.12)
14						
15	North Macedonia	0.19 (0.18-0.22)	11.25 (10.27-12.72)	0.36 (0.29-0.45)	12.72 (10.34-15.66)	0.3 (0.07 to 0.54)
16						
17						
18	Northern Mariana Islands	0.01 (0.01-0.01)	45.65 (39.08-54.81)	0.02 (0.02-0.03)	56.84 (48.66-65.02)	0.95 (0.85 to 1.06)
19						
20						
21	Norway	0.34 (0.31-0.36)	4.55 (4.2-4.77)	0.78 (0.67-0.84)	6.69 (5.84-7.25)	1.49 (1.18 to 1.8)
22						
23						
24	Oman	0.08 (0.06-0.11)	16.82 (12.93-22.29)	0.2 (0.17-0.23)	19.85 (17.05-22.82)	0.98 (0.78 to 1.17)
25						
26	Pakistan	15.21 (11.34-20.54)	26.34 (19.51-35.91)	44.39 (32.45-56.53)	39.88 (29.74-50.88)	1.43 (1.17 to 1.7)
27						
28						
29	Palau	0.01 (0-0.01)	54.63 (45.05-68.31)	0.01 (0.01-0.02)	69.74 (56.33-84.64)	0.79 (0.59 to 1)
30						
31	Palestine	0.39 (0.31-0.48)	46.81 (37.83-57.37)	0.65 (0.55-0.75)	33.58 (28.52-38.58)	-0.86 (-1.11 to -0.6)
32						
33						
34	Panama	0.22 (0.2-0.24)	14.61 (13.34-15.73)	1.15 (0.9-1.46)	27.39 (21.28-34.63)	2.25 (1.89 to 2.61)
35						
36	Papua New Guinea	0.25 (0.2-0.31)	12.19 (9.8-14.71)	0.74 (0.56-0.95)	14.36 (11.09-17.95)	0.51 (0.36 to 0.65)
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Paraguay	0.34 (0.3-0.37)	15.41 (13.63-17.13)	1.88 (1.46-2.4)	34.76 (27.05-44.15)	3.48 (3.24 to 3.71)
Peru	2.92 (2.59-3.3)	24.09 (21.15-27.33)	8.04 (5.92-10.44)	24.72 (18.22-32.03)	0.19 (-0.04 to 0.42)
Philippines	10.41 (9.42-11.48)	38.22 (34.49-42.3)	33.36 (27.88-39.55)	44.7 (37.65-52.35)	0.92 (0.66 to 1.18)
Poland	4.41 (4.25-4.53)	10.66 (10.2-10.95)	4.7 (3.97-5.59)	6.5 (5.49-7.73)	-1.96 (-2.39 to -1.53)
Portugal	1.58 (1.49-1.67)	12.57 (11.77-13.3)	4.07 (3.45-4.51)	13.48 (11.55-14.86)	0.38 (-0.07 to 0.84)
Puerto Rico	0.99 (0.93-1.05)	28.44 (26.47-30.11)	2.06 (1.6-2.59)	26.89 (21.12-34.09)	0.4 (0.08 to 0.72)
Qatar	0.03 (0.02-0.04)	48.93 (38.41-84.35)	0.13 (0.1-0.17)	45.88 (37.09-55.98)	0.07 (-0.19 to 0.33)
Republic of Korea	3.12 (2.97-3.33)	12.08 (11.28-12.97)	7.98 (6.93-8.86)	9.56 (8.27-10.64)	-0.56 (-0.65 to -0.47)
Republic of Moldova	0.1 (0.09-0.11)	2.87 (2.67-3.05)	0.25 (0.21-0.28)	4.46 (3.88-5.03)	1.53 (1.2 to 1.85)
Romania	2.59 (2.47-2.69)	10.43 (9.94-10.84)	3.04 (2.55-3.61)	7.98 (6.68-9.46)	-0.52 (-1.04 to 0)
Russian Federation	9.02 (8.79-9.32)	5.47 (5.29-5.63)	11.65 (10.16-13.13)	5.17 (4.52-5.82)	-0.89 (-1.21 to -0.57)
Rwanda	0.93 (0.76-1.1)	32.51 (27.17-38.51)	1.27 (0.99-1.56)	24.68 (19.41-29.96)	-1.65 (-1.93 to -1.37)
Saint Kitts and Nevis	0.02 (0.02-0.02)	48.81 (44.79-53.28)	0.03 (0.03-0.04)	53.07 (44.4-61.71)	0.73 (0.55 to 0.91)

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5	Saint Lucia	0.03 (0.02-0.03)	31.56 (29.14-33.94)	0.07 (0.06-0.08)	34.59 (28.97-40.83)	0.39 (0.16 to 0.62)
6						
7						
8	Saint Vincent and the Grenadines	0.02 (0.02-0.02)	25.51 (23.01-27.92)	0.05 (0.04-0.05)	36.54 (31.68-42.06)	1.55 (1.32 to 1.78)
9						
10	Samoa	0.03 (0.02-0.04)	37.95 (30.01-47.78)	0.06 (0.05-0.08)	44.6 (36.37-54.81)	0.47 (0.26 to 0.68)
11						
12						
13	San Marino	0 (0-0)	4.05 (3.41-4.74)	0 (0-0.01)	5.09 (3.52-6.82)	1.51 (1.24 to 1.77)
14						
15	Sao Tome and Principe	0.03 (0.02-0.03)	43.51 (36.27-49.57)	0.05 (0.04-0.06)	51.3 (40.4-59.87)	0.48 (0.36 to 0.6)
16						
17						
18	Saudi Arabia	2.48 (1.93-3.1)	47.9 (37.69-59.35)	6.93 (5.45-8.55)	52.88 (42.82-63.11)	0.58 (0.35 to 0.81)
19						
20						
21	Senegal	1.33 (1.04-1.71)	41.68 (33.28-53.19)	2.45 (1.89-3.22)	34.93 (27.7-45.06)	-0.54 (-0.67 to -0.42)
22						
23	Serbia	1.42 (1.28-1.67)	14 (12.58-16.3)	2.52 (2.05-3)	16.34 (13.34-19.38)	0.83 (0.66 to 1)
24						
25						
26	Seychelles	0.02 (0.01-0.02)	29.87 (26.45-33.1)	0.04 (0.04-0.05)	44.43 (38.76-49.83)	0.9 (0.52 to 1.29)
27						
28	Sierra Leone	0.64 (0.51-0.79)	32.65 (26.08-39.62)	1.04 (0.79-1.33)	28.55 (22.85-35.84)	-0.28 (-0.36 to -0.2)
29						
30						
31	Singapore	0.31 (0.29-0.33)	15.54 (14.57-16.4)	0.76 (0.66-0.83)	10.51 (9.09-11.55)	-0.38 (-0.94 to 0.18)
32						
33						
34	Slovakia	0.69 (0.64-0.74)	11.86 (11.06-12.74)	0.76 (0.6-0.93)	8.42 (6.73-10.33)	-1.05 (-1.13 to -0.96)
35						
36	Slovenia	0.15 (0.12-0.19)	6.5 (5.14-8.02)	0.26 (0.2-0.33)	4.99 (3.91-6.36)	-0.16 (-0.44 to 0.13)
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Solomon Islands	0.07 (0.05-0.09)	41.92 (31.97-57.06)	0.09 (0.07-0.11)	25.15 (20.72-29.99)	-1.94 (-2.35 to -1.53)
Somalia	0.76 (0.57-0.96)	31.28 (23.57-39.61)	1.88 (1.43-2.5)	29.63 (22.61-39.38)	-0.06 (-0.11 to -0.01)
South Africa	4.61 (4.25-5.07)	22 (20.07-24.29)	12.35 (11.41-13.22)	31.02 (28.44-33.22)	1.29 (0.9 to 1.68)
South Sudan	0.65 (0.48-0.83)	27.62 (20.27-35.67)	0.93 (0.69-1.25)	27.22 (20.38-35.97)	-0.06 (-0.09 to -0.02)
Spain	7.68 (6.91-8.29)	14.79 (13.28-15.99)	14.65 (12.08-16.74)	11.06 (9.33-12.49)	-0.87 (-0.94 to -0.8)
Sri Lanka	2.49 (2.21-2.74)	25.27 (22.31-27.99)	5.56 (4.15-7.26)	24.09 (18.08-31.21)	-0.11 (-0.51 to 0.28)
Sudan	2.61 (2.06-3.46)	28.53 (22.13-40.32)	4.75 (3.37-7.17)	28.39 (20.33-44.3)	0.05 (-0.04 to 0.14)
Suriname	0.07 (0.07-0.08)	28.55 (25.56-30.97)	0.26 (0.22-0.31)	45.34 (37.97-53.46)	1.67 (1.38 to 1.96)
Sweden	0.65 (0.59-0.69)	3.93 (3.59-4.17)	2 (1.68-2.21)	7.5 (6.43-8.23)	2.55 (2.42 to 2.67)
Switzerland	0.61 (0.54-0.66)	5.43 (4.84-5.87)	2.22 (1.82-2.52)	9.49 (7.91-10.75)	2.76 (2.5 to 3.03)
Syrian Arab Republic	1.95 (1.61-2.37)	36.99 (30.44-46.13)	2.66 (2.07-3.42)	27.78 (22.07-34.58)	-1.65 (-1.95 to -1.34)
Taiwan (Province of China)	3.33 (3.14-3.53)	26.1 (24.33-27.84)	8.25 (6.51-10.33)	20.47 (16.14-25.73)	-0.94 (-1.1 to -0.79)
Tajikistan	0.1 (0.1-0.11)	3.18 (2.94-3.47)	0.4 (0.33-0.49)	9.4 (7.8-11.25)	4.07 (3.7 to 4.45)

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5	Thailand	9.77 (8.63-11.15)	29.2 (25.83-33.3)	27.45 (21.01-35.47)	27.94 (21.36-35.99)	-0.38 (-0.48 to -0.28)
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8	Timor-Leste	0.09 (0.07-0.12)	31.54 (24.73-42.46)	0.23 (0.17-0.3)	31.3 (24.09-39.75)	-0.04 (-0.24 to 0.15)
9						
10	Togo	0.43 (0.35-0.54)	34.23 (28.17-42.73)	1 (0.79-1.27)	30.2 (24.51-37.23)	-0.43 (-0.47 to -0.39)
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13	Tokelau	0 (0-0)	32.9 (25.7-42.75)	0 (0-0)	40.42 (31.37-54.02)	0.67 (0.44 to 0.9)
14						
15	Tonga	0.01 (0.01-0.02)	28.56 (23.31-37.54)	0.03 (0.03-0.04)	41.51 (33.11-54.56)	1.25 (0.87 to 1.63)
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18	Trinidad and Tobago	0.18 (0.16-0.19)	21.8 (20.39-23.17)	0.62 (0.46-0.8)	34.37 (25.88-44.38)	2 (1.76 to 2.25)
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21	Tunisia	1.03 (0.88-1.23)	24.28 (20.58-29.37)	2.63 (1.88-3.49)	23.62 (16.87-31.07)	-0.12 (-0.16 to -0.09)
22						
23	Turkey	11.61 (9.54-15.85)	35.19 (28.26-50.25)	19.19 (15.49-23.48)	23.48 (18.99-28.71)	-1.28 (-1.59 to -0.97)
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26	Turkmenistan	0.31 (0.29-0.33)	13.45 (12.55-14.37)	0.71 (0.58-0.9)	17.38 (14.16-21.64)	0.34 (0.03 to 0.65)
27						
28	Tuvalu	0 (0-0)	38.58 (30.62-49.14)	0 (0-0.01)	48.67 (35.96-66.59)	0.78 (0.56 to 0.99)
29						
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31	Uganda	1.55 (1.2-1.94)	25.22 (19.55-31.82)	3.39 (2.62-4.26)	25.81 (20.58-31.71)	-0.19 (-0.32 to -0.05)
32						
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34	Ukraine	1.41 (1.34-1.47)	2.29 (2.15-2.39)	2.66 (2.28-3.07)	3.86 (3.31-4.47)	2.18 (1.89 to 2.47)
35						
36	United Arab Emirates	0.21 (0.16-0.26)	61.23 (37.47-75.7)	1.43 (0.91-2.26)	48.09 (29.07-73.62)	-0.82 (-1.4 to -0.24)
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United Kingdom	4.97 (4.64-5.15)	5.41 (5.03-5.63)	7.78 (6.85-8.33)	5.29 (4.7-5.64)	0.38 (0.12 to 0.64)
United Republic of Tanzania	2.75 (2.31-3.27)	26.7 (22.58-32.2)	6.23 (5.26-7.36)	27.3 (23.17-31.68)	0.13 (0.05 to 0.2)
United States of America	33.1 (30.49-34.45)	9.94 (9.18-10.34)	106.95 (95.86-114.38)	17.77 (16.12-18.91)	2.43 (2.22 to 2.63)
United States Virgin Islands	0.02 (0.01-0.02)	21.34 (18.16-24.86)	0.05 (0.04-0.06)	30.18 (25.88-34.3)	1.76 (1.53 to 1.99)
Uruguay	0.51 (0.47-0.54)	13.21 (12.24-14.02)	0.99 (0.87-1.09)	15.9 (14.15-17.4)	0.94 (0.8 to 1.09)
Uzbekistan	1.89 (1.64-2.52)	14.76 (12.61-20.49)	3.97 (3.33-4.67)	19.85 (17.05-22.89)	0.69 (-0.1 to 1.5)
Vanuatu	0.02 (0.01-0.02)	26.09 (18.67-35.84)	0.07 (0.05-0.09)	43.38 (32.55-57.97)	1.91 (1.78 to 2.04)
Venezuela (Bolivarian Republic of)	1.55 (1.46-1.64)	16.19 (15.07-17.25)	10.41 (7.89-13.43)	36.77 (27.88-47.38)	2.43 (1.94 to 2.92)
Viet Nam	11.03 (8.95-13.56)	29.05 (23.77-35.4)	21.48 (16.68-25.81)	26.62 (20.89-31.76)	-0.38 (-0.85 to 0.09)
Yemen	1.15 (0.86-1.54)	24.8 (18.61-34.23)	2.68 (2.05-3.54)	23.19 (18.02-30.53)	-0.26 (-0.33 to -0.18)
Zambia	0.95 (0.81-1.11)	32.83 (27.31-38.79)	1.93 (1.55-2.4)	30.81 (25.1-37.46)	-0.48 (-0.66 to -0.3)
Zimbabwe	0.92 (0.7-1.36)	25.95 (20.13-37.57)	2.29 (1.66-3.38)	37.07 (27.36-55.38)	1.55 (1.21 to 1.89)

**Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic regions from 1990 to 2019 in 21 regions.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Andean Latin America	1990	0.942869	0.890741
Andean Latin America	1991	0.989165	0.932389
Andean Latin America	1992	1.02563	0.967065
Andean Latin America	1993	1.016962	0.958297
Andean Latin America	1994	1.061313	1.001181
Andean Latin America	1995	1.077537	1.019983
Andean Latin America	1996	1.032404	0.980159
Andean Latin America	1997	1.030348	0.978622
Andean Latin America	1998	1.022574	0.969425
Andean Latin America	1999	0.992515	0.940177



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Andean Latin America	2000	0.997206	0.943015
Andean Latin America	2001	0.947616	0.894712
Andean Latin America	2002	0.990555	0.931385
Andean Latin America	2003	1.019051	0.956351
Andean Latin America	2004	0.985019	0.922183
Andean Latin America	2005	0.978694	0.912562
Andean Latin America	2006	0.961884	0.892727
Andean Latin America	2007	0.945709	0.874394
Andean Latin America	2008	0.952065	0.876611
Andean Latin America	2009	0.97062	0.890118
Andean Latin America	2010	0.975539	0.890804
Andean Latin America	2011	0.970379	0.882799
Andean Latin America	2012	1.010809	0.91578

Andean Latin America	2013	1.013769	0.915689
Andean Latin America	2014	1.008176	0.908392
Andean Latin America	2015	1.003827	0.902681
Andean Latin America	2016	1.013695	0.90961
Andean Latin America	2017	1.021095	0.915073
Andean Latin America	2018	1.028281	0.920944
Andean Latin America	2019	1.042441	0.933531
Australasia	1990	1.256436	0.749952
Australasia	1991	1.251345	0.749596
Australasia	1992	1.221065	0.731598
Australasia	1993	1.197424	0.715706
Australasia	1994	1.184041	0.705074
Australasia	1995	1.189314	0.708414

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Australasia	1996	1.171815	0.699034
Australasia	1997	1.154972	0.694376
Australasia	1998	1.125176	0.679026
Australasia	1999	1.123	0.679313
Australasia	2000	1.107004	0.67342
Australasia	2001	1.092594	0.667626
Australasia	2002	1.09213	0.668502
Australasia	2003	1.073556	0.660159
Australasia	2004	1.093004	0.674235
Australasia	2005	1.109953	0.687767
Australasia	2006	1.11501	0.694533
Australasia	2007	1.119263	0.702944
Australasia	2008	1.12093	0.709291

Australasia	2009	1.12578	0.717931
Australasia	2010	1.119825	0.719347
Australasia	2011	1.110324	0.720219
Australasia	2012	1.102299	0.723081
Australasia	2013	1.092797	0.725804
Australasia	2014	1.087757	0.72868
Australasia	2015	1.082458	0.732461
Australasia	2016	1.075631	0.733734
Australasia	2017	1.056633	0.72804
Australasia	2018	1.040454	0.72481
Australasia	2019	1.025964	0.721186
Caribbean	1990	0.778203	0.705687
Caribbean	1991	0.789518	0.714482

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Caribbean	1992	0.790374	0.71231
Caribbean	1993	0.795133	0.714068
Caribbean	1994	0.794694	0.711298
Caribbean	1995	0.795712	0.709507
Caribbean	1996	0.799616	0.710759
Caribbean	1997	0.797003	0.706666
Caribbean	1998	0.795225	0.702657
Caribbean	1999	0.806613	0.710478
Caribbean	2000	0.84186	0.739455
Caribbean	2001	0.85681	0.751266
Caribbean	2002	0.865068	0.757623
Caribbean	2003	0.877107	0.766409
Caribbean	2004	0.894996	0.780393

Caribbean	2005	0.901407	0.785161
Caribbean	2006	0.90325	0.786336
Caribbean	2007	0.896328	0.779649
Caribbean	2008	0.888385	0.771347
Caribbean	2009	0.877739	0.760608
Caribbean	2010	0.902529	0.780843
Caribbean	2011	0.894764	0.774198
Caribbean	2012	0.897262	0.776873
Caribbean	2013	0.897109	0.776448
Caribbean	2014	0.895273	0.774364
Caribbean	2015	0.890096	0.769517
Caribbean	2016	0.888374	0.767038
Caribbean	2017	0.887092	0.764536

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Caribbean	2018	0.894349	0.768945
Caribbean	2019	0.900884	0.773334
Central Asia	1990	0.993776	0.730286
Central Asia	1991	0.991773	0.731194
Central Asia	1992	0.989487	0.735739
Central Asia	1993	0.982871	0.732542
Central Asia	1994	0.967481	0.724436
Central Asia	1995	0.953222	0.716344
Central Asia	1996	0.932845	0.703873
Central Asia	1997	0.939018	0.708663
Central Asia	1998	0.942864	0.711008
Central Asia	1999	0.93285	0.706787
Central Asia	2000	0.914752	0.697569

Central Asia	2001	0.90155	0.688619
Central Asia	2002	0.889552	0.67599
Central Asia	2003	0.880783	0.667315
Central Asia	2004	0.876683	0.667546
Central Asia	2005	0.878457	0.676155
Central Asia	2006	0.867182	0.670221
Central Asia	2007	0.861093	0.665534
Central Asia	2008	0.858393	0.661361
Central Asia	2009	0.865353	0.664304
Central Asia	2010	0.870146	0.66312
Central Asia	2011	0.864532	0.659123
Central Asia	2012	0.866978	0.660768
Central Asia	2013	0.863849	0.658662



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Central Asia	2014	0.851903	0.644534
Central Asia	2015	0.851577	0.639005
Central Asia	2016	0.849903	0.637999
Central Asia	2017	0.850543	0.637766
Central Asia	2018	0.846082	0.636936
Central Asia	2019	0.848602	0.64247
Central Europe	1990	0.955491	0.661719
Central Europe	1991	0.961364	0.663657
Central Europe	1992	0.957234	0.658579
Central Europe	1993	0.965166	0.660903
Central Europe	1994	0.966613	0.660389
Central Europe	1995	0.971466	0.661423
Central Europe	1996	0.979487	0.662808

Central Europe	1997	0.989711	0.667123
Central Europe	1998	0.99268	0.662612
Central Europe	1999	1.007421	0.665519
Central Europe	2000	1.009404	0.66032
Central Europe	2001	1.001136	0.650922
Central Europe	2002	0.99002	0.639423
Central Europe	2003	0.985822	0.633371
Central Europe	2004	0.987337	0.630977
Central Europe	2005	0.996463	0.635996
Central Europe	2006	1.012738	0.645361
Central Europe	2007	1.033613	0.65755
Central Europe	2008	1.022364	0.649222
Central Europe	2009	1.028734	0.651344

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Central Europe	2010	1.028359	0.649302
Central Europe	2011	1.026432	0.646255
Central Europe	2012	1.039093	0.651483
Central Europe	2013	1.047601	0.653682
Central Europe	2014	1.058371	0.659537
Central Europe	2015	1.069497	0.665303
Central Europe	2016	1.065577	0.663071
Central Europe	2017	1.059955	0.660605
Central Europe	2018	1.058167	0.660511
Central Europe	2019	1.056385	0.660778
Central Latin America	1990	0.977794	0.906047
Central Latin America	1991	0.960958	0.88965
Central Latin America	1992	0.96836	0.891993

Central Latin America	1993	0.96676	0.885486
Central Latin America	1994	0.960737	0.875372
Central Latin America	1995	0.974102	0.885237
Central Latin America	1996	0.980331	0.887809
Central Latin America	1997	0.986228	0.890212
Central Latin America	1998	0.984161	0.884764
Central Latin America	1999	0.993865	0.890436
Central Latin America	2000	0.974373	0.871688
Central Latin America	2001	0.977773	0.871958
Central Latin America	2002	0.955348	0.848128
Central Latin America	2003	0.953418	0.84444
Central Latin America	2004	0.949965	0.839949
Central Latin America	2005	0.94173	0.832021

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Central Latin America	2006	0.929669	0.819435
Central Latin America	2007	0.928761	0.817536
Central Latin America	2008	0.913732	0.801903
Central Latin America	2009	0.918766	0.802136
Central Latin America	2010	0.932299	0.811422
Central Latin America	2011	0.923423	0.801163
Central Latin America	2012	0.916951	0.792063
Central Latin America	2013	0.906908	0.780367
Central Latin America	2014	0.915868	0.78579
Central Latin America	2015	0.904761	0.774169
Central Latin America	2016	0.894395	0.763281
Central Latin America	2017	0.878355	0.747275
Central Latin America	2018	0.879571	0.745725

Central Latin America	2019	0.873385	0.737332
Central Sub-Saharan Africa	1990	0.683461	0.582902
Central Sub-Saharan Africa	1991	0.694933	0.587758
Central Sub-Saharan Africa	1992	0.702424	0.589793
Central Sub-Saharan Africa	1993	0.714943	0.595657
Central Sub-Saharan Africa	1994	0.724653	0.59941
Central Sub-Saharan Africa	1995	0.732751	0.601448
Central Sub-Saharan Africa	1996	0.756166	0.614733
Central Sub-Saharan Africa	1997	0.757363	0.61014
Central Sub-Saharan Africa	1998	0.770799	0.615205
Central Sub-Saharan Africa	1999	0.783386	0.61934
Central Sub-Saharan Africa	2000	0.797995	0.624623
Central Sub-Saharan Africa	2001	0.813766	0.632481

Central Sub-Saharan Africa	2002	0.833085	0.642304
Central Sub-Saharan Africa	2003	0.848224	0.65191
Central Sub-Saharan Africa	2004	0.857761	0.656619
Central Sub-Saharan Africa	2005	0.863588	0.659505
Central Sub-Saharan Africa	2006	0.861856	0.658283
Central Sub-Saharan Africa	2007	0.855563	0.655166
Central Sub-Saharan Africa	2008	0.851145	0.653598
Central Sub-Saharan Africa	2009	0.845802	0.651726
Central Sub-Saharan Africa	2010	0.838533	0.647863
Central Sub-Saharan Africa	2011	0.83013	0.644303
Central Sub-Saharan Africa	2012	0.823208	0.641886
Central Sub-Saharan Africa	2013	0.81738	0.640355
Central Sub-Saharan Africa	2014	0.813554	0.640249

Central Sub-Saharan Africa	2015	0.81476	0.642448
Central Sub-Saharan Africa	2016	0.815014	0.646596
Central Sub-Saharan Africa	2017	0.815435	0.651542
Central Sub-Saharan Africa	2018	0.813046	0.653874
Central Sub-Saharan Africa	2019	0.812155	0.657802
East Asia	1990	0.978254	0.818335
East Asia	1991	0.969935	0.811948
East Asia	1992	0.969225	0.811294
East Asia	1993	0.975501	0.816535
East Asia	1994	0.983547	0.817634
East Asia	1995	0.970594	0.806198
East Asia	1996	0.968826	0.803903
East Asia	1997	0.972998	0.805497



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East Asia	1998	0.970348	0.796676
East Asia	1999	0.973644	0.800535
East Asia	2000	0.973907	0.806971
East Asia	2001	0.961738	0.796409
East Asia	2002	0.943917	0.783934
East Asia	2003	0.933697	0.779517
East Asia	2004	0.918842	0.76399
East Asia	2005	0.899777	0.742355
East Asia	2006	0.909001	0.745431
East Asia	2007	0.904869	0.737149
East Asia	2008	0.898908	0.729162
East Asia	2009	0.893633	0.720614
East Asia	2010	0.891647	0.714709

East Asia	2011	0.88997	0.706791
East Asia	2012	0.868837	0.683317
East Asia	2013	0.864019	0.674571
East Asia	2014	0.860397	0.670162
East Asia	2015	0.851087	0.659093
East Asia	2016	0.854883	0.658215
East Asia	2017	0.873032	0.671291
East Asia	2018	0.892832	0.68718
East Asia	2019	0.901698	0.691723
Eastern Europe	1990	1.23365	0.659579
Eastern Europe	1991	1.234032	0.661635
Eastern Europe	1992	1.179967	0.645697
Eastern Europe	1993	1.111938	0.629129

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Eastern Europe	1994	1.083014	0.624362
Eastern Europe	1995	1.097775	0.626929
Eastern Europe	1996	1.136801	0.636876
Eastern Europe	1997	1.189719	0.652769
Eastern Europe	1998	1.200466	0.655556
Eastern Europe	1999	1.165156	0.646959
Eastern Europe	2000	1.133588	0.634773
Eastern Europe	2001	1.144775	0.639602
Eastern Europe	2002	1.145428	0.641292
Eastern Europe	2003	1.148307	0.645278
Eastern Europe	2004	1.147171	0.643072
Eastern Europe	2005	1.129964	0.635679
Eastern Europe	2006	1.160568	0.640647

Eastern Europe	2007	1.178074	0.645161
Eastern Europe	2008	1.173178	0.640809
Eastern Europe	2009	1.213267	0.652961
Eastern Europe	2010	1.216113	0.651057
Eastern Europe	2011	1.24856	0.661311
Eastern Europe	2012	1.26107	0.663132
Eastern Europe	2013	1.276739	0.668352
Eastern Europe	2014	1.282237	0.669976
Eastern Europe	2015	1.273576	0.668279
Eastern Europe	2016	1.293772	0.676652
Eastern Europe	2017	1.330071	0.693054
Eastern Europe	2018	1.325354	0.691408
Eastern Europe	2019	1.316541	0.688636

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Eastern Sub-Saharan Africa	1990	0.723735	0.659766
Eastern Sub-Saharan Africa	1991	0.716556	0.652735
Eastern Sub-Saharan Africa	1992	0.71224	0.648871
Eastern Sub-Saharan Africa	1993	0.705678	0.643593
Eastern Sub-Saharan Africa	1994	0.702762	0.640668
Eastern Sub-Saharan Africa	1995	0.698844	0.636628
Eastern Sub-Saharan Africa	1996	0.697362	0.635147
Eastern Sub-Saharan Africa	1997	0.698754	0.636152
Eastern Sub-Saharan Africa	1998	0.702868	0.639227
Eastern Sub-Saharan Africa	1999	0.705082	0.639977
Eastern Sub-Saharan Africa	2000	0.700715	0.635388
Eastern Sub-Saharan Africa	2001	0.699235	0.632593
Eastern Sub-Saharan Africa	2002	0.700728	0.632842

Eastern Sub-Saharan Africa	2003	0.702876	0.634288
Eastern Sub-Saharan Africa	2004	0.704983	0.635906
Eastern Sub-Saharan Africa	2005	0.708518	0.638477
Eastern Sub-Saharan Africa	2006	0.707323	0.63662
Eastern Sub-Saharan Africa	2007	0.705661	0.634556
Eastern Sub-Saharan Africa	2008	0.703491	0.632789
Eastern Sub-Saharan Africa	2009	0.706474	0.635204
Eastern Sub-Saharan Africa	2010	0.711105	0.639797
Eastern Sub-Saharan Africa	2011	0.718351	0.646421
Eastern Sub-Saharan Africa	2012	0.723635	0.651391
Eastern Sub-Saharan Africa	2013	0.730521	0.657747
Eastern Sub-Saharan Africa	2014	0.735582	0.663012
Eastern Sub-Saharan Africa	2015	0.741687	0.668864

Eastern Sub-Saharan Africa	2016	0.745789	0.673767
Eastern Sub-Saharan Africa	2017	0.752803	0.681804
Eastern Sub-Saharan Africa	2018	0.757852	0.687995
Eastern Sub-Saharan Africa	2019	0.762287	0.693751
High-income Asia Pacific	1990	1.039751	0.667137
High-income Asia Pacific	1991	1.043418	0.661266
High-income Asia Pacific	1992	1.054406	0.660081
High-income Asia Pacific	1993	1.065479	0.660206
High-income Asia Pacific	1994	1.074912	0.660328
High-income Asia Pacific	1995	1.08229	0.66066
High-income Asia Pacific	1996	1.099512	0.667777
High-income Asia Pacific	1997	1.103374	0.665346
High-income Asia Pacific	1998	1.090814	0.652463

High-income Asia Pacific	1999	1.080631	0.640419
High-income Asia Pacific	2000	1.077246	0.633324
High-income Asia Pacific	2001	1.078976	0.628989
High-income Asia Pacific	2002	1.083506	0.625751
High-income Asia Pacific	2003	1.079641	0.618161
High-income Asia Pacific	2004	1.086294	0.616881
High-income Asia Pacific	2005	1.078453	0.606349
High-income Asia Pacific	2006	1.085594	0.604766
High-income Asia Pacific	2007	1.076784	0.596348
High-income Asia Pacific	2008	1.064816	0.586519
High-income Asia Pacific	2009	1.046166	0.57464
High-income Asia Pacific	2010	1.038285	0.567576
High-income Asia Pacific	2011	1.055017	0.574227



High-income Asia Pacific	2012	1.065024	0.578891
High-income Asia Pacific	2013	1.07446	0.584658
High-income Asia Pacific	2014	1.080257	0.589475
High-income Asia Pacific	2015	1.084531	0.590498
High-income Asia Pacific	2016	1.093062	0.595518
High-income Asia Pacific	2017	1.092684	0.597114
High-income Asia Pacific	2018	1.106932	0.607797
High-income Asia Pacific	2019	1.109359	0.612461
High-income North America	1990	1.118132	0.672668
High-income North America	1991	1.117006	0.672201
High-income North America	1992	1.115077	0.671045
High-income North America	1993	1.113464	0.670112
High-income North America	1994	1.122594	0.675419

High-income North America	1995	1.124872	0.677823
High-income North America	1996	1.141051	0.688329
High-income North America	1997	1.152169	0.697537
High-income North America	1998	1.158742	0.704401
High-income North America	1999	1.166107	0.713378
High-income North America	2000	1.177151	0.724467
High-income North America	2001	1.177024	0.729607
High-income North America	2002	1.16057	0.723799
High-income North America	2003	1.151264	0.723251
High-income North America	2004	1.157041	0.731177
High-income North America	2005	1.157996	0.736166
High-income North America	2006	1.168287	0.747508
High-income North America	2007	1.174861	0.756554

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High-income North America	2008	1.157709	0.751119
High-income North America	2009	1.138461	0.745004
High-income North America	2010	1.115781	0.735584
High-income North America	2011	1.103844	0.734535
High-income North America	2012	1.083181	0.727639
High-income North America	2013	1.057522	0.717919
High-income North America	2014	1.05067	0.720224
High-income North America	2015	1.041592	0.720859
High-income North America	2016	1.023499	0.715467
High-income North America	2017	1.003664	0.707465
High-income North America	2018	0.977158	0.692149
High-income North America	2019	0.996235	0.70587
North Africa and Middle East	1990	0.992053	0.929902

North Africa and Middle East	1991	0.999587	0.945749
North Africa and Middle East	1992	0.9933	0.945798
North Africa and Middle East	1993	0.991348	0.94837
North Africa and Middle East	1994	0.994314	0.95637
North Africa and Middle East	1995	0.992249	0.956899
North Africa and Middle East	1996	0.997432	0.963296
North Africa and Middle East	1997	0.988848	0.952588
North Africa and Middle East	1998	0.984311	0.946822
North Africa and Middle East	1999	0.989991	0.956975
North Africa and Middle East	2000	0.99719	0.973325
North Africa and Middle East	2001	0.988859	0.958619
North Africa and Middle East	2002	0.972092	0.932539
North Africa and Middle East	2003	0.965162	0.921957

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North Africa and Middle East	2004	0.972897	0.926071
North Africa and Middle East	2005	0.989718	0.947247
North Africa and Middle East	2006	1.004557	0.974732
North Africa and Middle East	2007	1.01095	0.99362
North Africa and Middle East	2008	1.017714	1.012304
North Africa and Middle East	2009	1.015727	1.017749
North Africa and Middle East	2010	1.014014	1.01966
North Africa and Middle East	2011	1.001629	1.011346
North Africa and Middle East	2012	1.002972	1.013633
North Africa and Middle East	2013	0.984389	0.993935
North Africa and Middle East	2014	0.990925	1.001141
North Africa and Middle East	2015	1.002549	1.012016
North Africa and Middle East	2016	1.010398	1.021392

North Africa and Middle East	2017	1.014892	1.02737
North Africa and Middle East	2018	1.018101	1.032525
North Africa and Middle East	2019	1.017794	1.032346
Oceania	1990	0.714981	0.712764
Oceania	1991	0.713966	0.709276
Oceania	1992	0.715391	0.707661
Oceania	1993	0.716127	0.705628
Oceania	1994	0.717851	0.704957
Oceania	1995	0.720437	0.708679
Oceania	1996	0.728436	0.718749
Oceania	1997	0.73471	0.724774
Oceania	1998	0.74027	0.731
Oceania	1999	0.740747	0.73015

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Oceania	2000	0.739459	0.729167
Oceania	2001	0.732115	0.724288
Oceania	2002	0.737227	0.727466
Oceania	2003	0.745093	0.73641
Oceania	2004	0.743631	0.734994
Oceania	2005	0.727771	0.719476
Oceania	2006	0.721573	0.712822
Oceania	2007	0.715807	0.705716
Oceania	2008	0.711278	0.705836
Oceania	2009	0.708497	0.704765
Oceania	2010	0.697016	0.695086
Oceania	2011	0.685978	0.686528
Oceania	2012	0.677235	0.68009

Oceania	2013	0.672653	0.677716
Oceania	2014	0.668907	0.674571
Oceania	2015	0.668124	0.67487
Oceania	2016	0.667828	0.674982
Oceania	2017	0.664246	0.672026
Oceania	2018	0.659172	0.669561
Oceania	2019	0.660332	0.672439
South Asia	1990	0.66507	0.698583
South Asia	1991	0.661937	0.69396
South Asia	1992	0.675911	0.704971
South Asia	1993	0.671216	0.699226
South Asia	1994	0.670005	0.695142
South Asia	1995	0.673903	0.695892



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South Asia	1996	0.673456	0.689668
South Asia	1997	0.675591	0.688244
South Asia	1998	0.68373	0.697407
South Asia	1999	0.682567	0.698546
South Asia	2000	0.669169	0.681507
South Asia	2001	0.669284	0.679742
South Asia	2002	0.667592	0.676094
South Asia	2003	0.654533	0.65867
South Asia	2004	0.648943	0.64878
South Asia	2005	0.646784	0.643141
South Asia	2006	0.64926	0.645759
South Asia	2007	0.650865	0.646551
South Asia	2008	0.644718	0.637315

South Asia	2009	0.648902	0.634807
South Asia	2010	0.661674	0.639831
South Asia	2011	0.666136	0.642593
South Asia	2012	0.677551	0.653581
South Asia	2013	0.700175	0.664938
South Asia	2014	0.725503	0.679458
South Asia	2015	0.75062	0.703432
South Asia	2016	0.752504	0.708796
South Asia	2017	0.754074	0.711262
South Asia	2018	0.755202	0.708314
South Asia	2019	0.759717	0.712613
Southeast Asia	1990	0.996027	0.865118
Southeast Asia	1991	0.986435	0.857618

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Southeast Asia	1992	0.979521	0.851068
Southeast Asia	1993	0.975002	0.847726
Southeast Asia	1994	0.966841	0.841815
Southeast Asia	1995	0.959653	0.8355
Southeast Asia	1996	0.958879	0.833157
Southeast Asia	1997	0.967228	0.835268
Southeast Asia	1998	0.968374	0.828115
Southeast Asia	1999	0.974419	0.832331
Southeast Asia	2000	0.982661	0.837888
Southeast Asia	2001	0.989978	0.845043
Southeast Asia	2002	1.00304	0.857111
Southeast Asia	2003	1.00702	0.86077
Southeast Asia	2004	1.010903	0.865647

Southeast Asia	2005	1.009594	0.864883
Southeast Asia	2006	1.006894	0.863283
Southeast Asia	2007	1.004802	0.862165
Southeast Asia	2008	0.998931	0.857502
Southeast Asia	2009	0.993168	0.853077
Southeast Asia	2010	0.985052	0.846161
Southeast Asia	2011	0.972286	0.836049
Southeast Asia	2012	0.961676	0.827129
Southeast Asia	2013	0.957614	0.824501
Southeast Asia	2014	0.947844	0.816169
Southeast Asia	2015	0.944072	0.811403
Southeast Asia	2016	0.944548	0.810911
Southeast Asia	2017	0.954061	0.817224

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Southeast Asia	2018	0.963672	0.823881
Southeast Asia	2019	0.970656	0.827904
Southern Latin America	1990	0.836852	0.615026
Southern Latin America	1991	0.840997	0.616255
Southern Latin America	1992	0.838523	0.611796
Southern Latin America	1993	0.846781	0.613563
Southern Latin America	1994	0.858913	0.620038
Southern Latin America	1995	0.870687	0.623389
Southern Latin America	1996	0.877568	0.623542
Southern Latin America	1997	0.900245	0.635494
Southern Latin America	1998	0.924286	0.646916
Southern Latin America	1999	0.940666	0.653284
Southern Latin America	2000	0.951995	0.657239

Southern Latin America	2001	0.954878	0.65674
Southern Latin America	2002	0.947038	0.648019
Southern Latin America	2003	0.954421	0.648565
Southern Latin America	2004	0.958557	0.647573
Southern Latin America	2005	0.957894	0.645642
Southern Latin America	2006	0.968127	0.651186
Southern Latin America	2007	0.96893	0.649748
Southern Latin America	2008	0.980789	0.657073
Southern Latin America	2009	0.982553	0.65619
Southern Latin America	2010	0.995161	0.660136
Southern Latin America	2011	1.000659	0.661048
Southern Latin America	2012	0.997452	0.658189
Southern Latin America	2013	1.004457	0.661778

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Southern Latin America	2014	1.008837	0.663532
Southern Latin America	2015	1.005479	0.661634
Southern Latin America	2016	0.998337	0.657825
Southern Latin America	2017	0.994391	0.65736
Southern Latin America	2018	0.995722	0.662491
Southern Latin America	2019	0.992334	0.66318
Southern Sub-Saharan Africa	1990	0.799727	0.566804
Southern Sub-Saharan Africa	1991	0.776829	0.54927
Southern Sub-Saharan Africa	1992	0.820106	0.577714
Southern Sub-Saharan Africa	1993	0.774803	0.54824
Southern Sub-Saharan Africa	1994	0.788186	0.555732
Southern Sub-Saharan Africa	1995	0.709621	0.502163
Southern Sub-Saharan Africa	1996	0.706395	0.498609

Southern Sub-Saharan Africa	1997	0.742709	0.519068
Southern Sub-Saharan Africa	1998	0.733636	0.510162
Southern Sub-Saharan Africa	1999	0.753431	0.518147
Southern Sub-Saharan Africa	2000	0.778592	0.53112
Southern Sub-Saharan Africa	2001	0.780906	0.52916
Southern Sub-Saharan Africa	2002	0.791602	0.532937
Southern Sub-Saharan Africa	2003	0.798728	0.534572
Southern Sub-Saharan Africa	2004	0.802828	0.536106
Southern Sub-Saharan Africa	2005	0.800053	0.534634
Southern Sub-Saharan Africa	2006	0.805583	0.537221
Southern Sub-Saharan Africa	2007	0.802574	0.536309
Southern Sub-Saharan Africa	2008	0.807065	0.539654
Southern Sub-Saharan Africa	2009	0.812728	0.542922



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Southern Sub-Saharan Africa	2010	0.815654	0.542544
Southern Sub-Saharan Africa	2011	0.825888	0.547379
Southern Sub-Saharan Africa	2012	0.83456	0.554376
Southern Sub-Saharan Africa	2013	0.843888	0.56142
Southern Sub-Saharan Africa	2014	0.858826	0.572506
Southern Sub-Saharan Africa	2015	0.861626	0.576232
Southern Sub-Saharan Africa	2016	0.862458	0.57647
Southern Sub-Saharan Africa	2017	0.850199	0.571158
Southern Sub-Saharan Africa	2018	0.834525	0.564877
Southern Sub-Saharan Africa	2019	0.832604	0.566608
Tropical Latin America	1990	0.868384	0.734218
Tropical Latin America	1991	0.871664	0.732863
Tropical Latin America	1992	0.872822	0.730195

Tropical Latin America	1993	0.870659	0.725086
Tropical Latin America	1994	0.872989	0.725556
Tropical Latin America	1995	0.8882	0.736898
Tropical Latin America	1996	0.90161	0.748706
Tropical Latin America	1997	0.912623	0.755214
Tropical Latin America	1998	0.915054	0.754469
Tropical Latin America	1999	0.919973	0.756125
Tropical Latin America	2000	0.92274	0.755265
Tropical Latin America	2001	0.92301	0.75235
Tropical Latin America	2002	0.925579	0.750251
Tropical Latin America	2003	0.914222	0.737044
Tropical Latin America	2004	0.908803	0.729144
Tropical Latin America	2005	0.909014	0.726955

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Tropical Latin America	2006	0.914548	0.728219
Tropical Latin America	2007	0.91622	0.726039
Tropical Latin America	2008	0.918839	0.724886
Tropical Latin America	2009	0.924596	0.725983
Tropical Latin America	2010	0.927897	0.724711
Tropical Latin America	2011	0.927844	0.721599
Tropical Latin America	2012	0.930201	0.720433
Tropical Latin America	2013	0.92795	0.715936
Tropical Latin America	2014	0.925154	0.711512
Tropical Latin America	2015	0.925393	0.70904
Tropical Latin America	2016	0.917662	0.700946
Tropical Latin America	2017	0.92015	0.701317
Tropical Latin America	2018	0.927136	0.707273

Tropical Latin America	2019	0.922426	0.703827
Western Europe	1990	1.187221	0.636881
Western Europe	1991	1.17978	0.631171
Western Europe	1992	1.179064	0.629347
Western Europe	1993	1.181449	0.629072
Western Europe	1994	1.189826	0.632836
Western Europe	1995	1.191172	0.631937
Western Europe	1996	1.195132	0.632473
Western Europe	1997	1.206631	0.637573
Western Europe	1998	1.213062	0.641914
Western Europe	1999	1.216683	0.643583
Western Europe	2000	1.234761	0.651178
Western Europe	2001	1.2483	0.658031

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Western Europe	2002	1.257153	0.663607
Western Europe	2003	1.260606	0.667379
Western Europe	2004	1.27021	0.674738
Western Europe	2005	1.276144	0.679276
Western Europe	2006	1.279993	0.683381
Western Europe	2007	1.283076	0.68944
Western Europe	2008	1.289726	0.697937
Western Europe	2009	1.287437	0.701796
Western Europe	2010	1.288567	0.70405
Western Europe	2011	1.303959	0.711458
Western Europe	2012	1.310276	0.715725
Western Europe	2013	1.313979	0.720856
Western Europe	2014	1.317178	0.725604

Western Europe	2015	1.310931	0.726156
Western Europe	2016	1.310262	0.730428
Western Europe	2017	1.285904	0.726461
Western Europe	2018	1.279483	0.731767
Western Europe	2019	1.263779	0.731772
Western Sub-Saharan Africa	1990	0.943231	0.876176
Western Sub-Saharan Africa	1991	0.93766	0.874746
Western Sub-Saharan Africa	1992	0.931574	0.874356
Western Sub-Saharan Africa	1993	0.922468	0.87055
Western Sub-Saharan Africa	1994	0.915253	0.867589
Western Sub-Saharan Africa	1995	0.906125	0.861331
Western Sub-Saharan Africa	1996	0.896934	0.855647
Western Sub-Saharan Africa	1997	0.893333	0.854683

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Western Sub-Saharan Africa	1998	0.884804	0.84926
Western Sub-Saharan Africa	1999	0.870291	0.83736
Western Sub-Saharan Africa	2000	0.86047	0.828306
Western Sub-Saharan Africa	2001	0.852357	0.822349
Western Sub-Saharan Africa	2002	0.846533	0.817614
Western Sub-Saharan Africa	2003	0.839041	0.812645
Western Sub-Saharan Africa	2004	0.830404	0.80605
Western Sub-Saharan Africa	2005	0.822259	0.798324
Western Sub-Saharan Africa	2006	0.817552	0.793607
Western Sub-Saharan Africa	2007	0.812308	0.787728
Western Sub-Saharan Africa	2008	0.805224	0.779451
Western Sub-Saharan Africa	2009	0.79906	0.771461
Western Sub-Saharan Africa	2010	0.794901	0.76539

Western Sub-Saharan Africa	2011	0.793234	0.761174
Western Sub-Saharan Africa	2012	0.793325	0.757741
Western Sub-Saharan Africa	2013	0.790147	0.750627
Western Sub-Saharan Africa	2014	0.79643	0.752517
Western Sub-Saharan Africa	2015	0.804319	0.755615
Western Sub-Saharan Africa	2016	0.812327	0.759468
Western Sub-Saharan Africa	2017	0.822265	0.764697
Western Sub-Saharan Africa	2018	0.830106	0.768468
Western Sub-Saharan Africa	2019	0.839655	0.773633



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**Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries and territories from 1990 to 2019 in 204 countries.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Afghanistan	1990	0.961218	0.963112
Afghanistan	1991	0.961054	0.95357
Afghanistan	1992	0.957648	0.93756
Afghanistan	1993	0.960475	0.930057
Afghanistan	1994	0.965727	0.927966
Afghanistan	1995	0.967031	0.922941
Afghanistan	1996	0.96932	0.918637
Afghanistan	1997	0.969684	0.912595
Afghanistan	1998	0.972555	0.909395
Afghanistan	1999	0.980011	0.90888
Afghanistan	2000	0.985626	0.909379
Afghanistan	2001	0.993832	0.910933
Afghanistan	2002	1.000351	0.912563
Afghanistan	2003	1.015199	0.919405
Afghanistan	2004	1.036288	0.930023
Afghanistan	2005	1.050515	0.939235
Afghanistan	2006	1.060058	0.943996
Afghanistan	2007	1.06658	0.947329
Afghanistan	2008	1.078541	0.954077
Afghanistan	2009	1.09462	0.962852
Afghanistan	2010	1.110446	0.974819

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5	Afghanistan	2011	1.121862	0.982551
6	Afghanistan	2012	1.126085	0.985505
7	Afghanistan	2013	1.135187	0.991014
8	Afghanistan	2014	1.143462	0.994594
9	Afghanistan	2015	1.148955	1.000242
10	Afghanistan	2016	1.158044	1.008886
11	Afghanistan	2017	1.170556	1.019302
12	Afghanistan	2018	1.180678	1.02524
13	Afghanistan	2019	1.191846	1.032065
14	Albania	1990	0.80288	0.611067
15	Albania	1991	0.824545	0.633067
16	Albania	1992	0.847876	0.64608
17	Albania	1993	0.8389	0.634173
18	Albania	1994	0.851827	0.63936
19	Albania	1995	0.863218	0.645539
20	Albania	1996	0.835124	0.620725
21	Albania	1997	0.820214	0.614118
22	Albania	1998	0.796342	0.603217
23	Albania	1999	0.836725	0.632571
24	Albania	2000	0.801031	0.607676
25	Albania	2001	0.800875	0.612752
26	Albania	2002	0.818988	0.631664
27	Albania	2003	0.829379	0.645643
28	Albania	2004	0.814148	0.640171
29	Albania	2005	0.844958	0.66871
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Albania	2006	0.861627	0.685951
Albania	2007	0.878193	0.701901
Albania	2008	0.873395	0.701159
Albania	2009	0.851996	0.687584
Albania	2010	0.836195	0.676588
Albania	2011	0.829811	0.676367
Albania	2012	0.835089	0.683686
Albania	2013	0.835903	0.687582
Albania	2014	0.819922	0.678315
Albania	2015	0.807743	0.670891
Albania	2016	0.816522	0.677372
Albania	2017	0.824754	0.682594
Albania	2018	0.833083	0.687361
Albania	2019	0.84051	0.691033
Algeria	1990	1.109457	1.137995
Algeria	1991	1.109573	1.103907
Algeria	1992	1.104276	1.086803
Algeria	1993	1.099944	1.074033
Algeria	1994	1.107022	1.066426
Algeria	1995	1.109373	1.065159
Algeria	1996	1.112722	1.065549
Algeria	1997	1.105399	1.055999
Algeria	1998	1.093316	1.043813
Algeria	1999	1.103667	1.053381
Algeria	2000	1.110872	1.065961

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5	Algeria	2001	1.113195	1.075515
6	Algeria	2002	1.11772	1.088375
7	Algeria	2003	1.119067	1.111271
8	Algeria	2004	1.136506	1.142565
9	Algeria	2005	1.14715	1.169811
10	Algeria	2006	1.15201	1.190973
11	Algeria	2007	1.155168	1.209171
12	Algeria	2008	1.15859	1.228457
13	Algeria	2009	1.163619	1.248209
14	Algeria	2010	1.177218	1.286784
15	Algeria	2011	1.186641	1.312148
16	Algeria	2012	1.189601	1.324703
17	Algeria	2013	1.204505	1.349103
18	Algeria	2014	1.219508	1.372427
19	Algeria	2015	1.223912	1.38569
20	Algeria	2016	1.212958	1.379575
21	Algeria	2017	1.211995	1.380939
22	Algeria	2018	1.241531	1.414697
23	Algeria	2019	1.249033	1.426351
24	American Samoa	1990	0.612611	0.596702
25	American Samoa	1991	0.61697	0.598437
26	American Samoa	1992	0.631844	0.608174
27	American Samoa	1993	0.653989	0.623514
28	American Samoa	1994	0.681528	0.645433
29	American Samoa	1995	0.704734	0.662102
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American Samoa	1996	0.730556	0.680042
American Samoa	1997	0.750686	0.692616
American Samoa	1998	0.768062	0.702708
American Samoa	1999	0.803672	0.728942
American Samoa	2000	0.82894	0.746903
American Samoa	2001	0.858097	0.770038
American Samoa	2002	0.853244	0.762156
American Samoa	2003	0.879136	0.781717
American Samoa	2004	0.893409	0.791329
American Samoa	2005	0.864685	0.762067
American Samoa	2006	0.856831	0.751596
American Samoa	2007	0.840159	0.734654
American Samoa	2008	0.82017	0.71572
American Samoa	2009	0.807269	0.703181
American Samoa	2010	0.797999	0.692814
American Samoa	2011	0.806261	0.69851
American Samoa	2012	0.825197	0.714836
American Samoa	2013	0.829821	0.719759
American Samoa	2014	0.829493	0.720731
American Samoa	2015	0.835253	0.726995
American Samoa	2016	0.834591	0.726271
American Samoa	2017	0.83428	0.726919
American Samoa	2018	0.833313	0.727019
American Samoa	2019	0.832801	0.72741
Andorra	1990	0.788861	0.729791

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5	Andorra	1991	0.777657	0.721833
6	Andorra	1992	0.786613	0.72433
7	Andorra	1993	0.799267	0.736144
8	Andorra	1994	0.822512	0.748494
9	Andorra	1995	0.815241	0.73957
10	Andorra	1996	0.812205	0.734919
11	Andorra	1997	0.819344	0.731837
12	Andorra	1998	0.822769	0.728802
13	Andorra	1999	0.83361	0.726268
14	Andorra	2000	0.838352	0.725112
15	Andorra	2001	0.84257	0.723152
16	Andorra	2002	0.857376	0.721192
17	Andorra	2003	0.855856	0.717126
18	Andorra	2004	0.880115	0.725276
19	Andorra	2005	0.88978	0.727032
20	Andorra	2006	0.905426	0.732969
21	Andorra	2007	0.920575	0.73044
22	Andorra	2008	0.930871	0.739732
23	Andorra	2009	0.966364	0.755799
24	Andorra	2010	0.984365	0.766113
25	Andorra	2011	1.019081	0.772799
26	Andorra	2012	1.070344	0.791319
27	Andorra	2013	1.089581	0.811453
28	Andorra	2014	1.126724	0.832771
29	Andorra	2015	1.162229	0.859118
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5	Andorra	2016	1.164998	0.860014
6	Andorra	2017	1.180541	0.862883
7	Andorra	2018	1.169541	0.866757
8	Andorra	2019	1.178874	0.871085
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10	Angola	1990	0.537106	0.457811
11	Angola	1991	0.544217	0.460671
12	Angola	1992	0.551135	0.46428
13	Angola	1993	0.559343	0.468348
14	Angola	1994	0.567008	0.47207
15	Angola	1995	0.57392	0.474355
16	Angola	1996	0.582053	0.476191
17	Angola	1997	0.592023	0.480883
18	Angola	1998	0.602272	0.487081
19	Angola	1999	0.616042	0.494658
20	Angola	2000	0.625475	0.49915
21	Angola	2001	0.625067	0.497084
22	Angola	2002	0.651311	0.513815
23	Angola	2003	0.668571	0.527179
24	Angola	2004	0.671047	0.528362
25	Angola	2005	0.66996	0.528374
26	Angola	2006	0.653598	0.518225
27	Angola	2007	0.639537	0.508693
28	Angola	2008	0.641562	0.510323
29	Angola	2009	0.636395	0.509296
30	Angola	2010	0.633737	0.507852
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Angola	2011	0.627955	0.505033
Angola	2012	0.619494	0.500108
Angola	2013	0.615684	0.497491
Angola	2014	0.611861	0.494839
Angola	2015	0.618424	0.500956
Angola	2016	0.629456	0.509579
Angola	2017	0.635562	0.517839
Angola	2018	0.641232	0.523674
Angola	2019	0.647501	0.530396
Antigua and Barbuda	1990	0.666514	0.446543
Antigua and Barbuda	1991	0.715685	0.478107
Antigua and Barbuda	1992	0.714282	0.479608
Antigua and Barbuda	1993	0.732266	0.493697
Antigua and Barbuda	1994	0.736436	0.499464
Antigua and Barbuda	1995	0.737658	0.502559
Antigua and Barbuda	1996	0.834084	0.578888
Antigua and Barbuda	1997	0.849233	0.599587
Antigua and Barbuda	1998	0.856383	0.615655
Antigua and Barbuda	1999	0.86549	0.631337
Antigua and Barbuda	2000	0.88497	0.654818
Antigua and Barbuda	2001	0.922952	0.693046
Antigua and Barbuda	2002	0.937509	0.716928
Antigua and Barbuda	2003	0.931884	0.725553
Antigua and Barbuda	2004	0.928461	0.73322
Antigua and Barbuda	2005	0.915143	0.734142



Antigua and Barbuda	2006	0.886643	0.717462
Antigua and Barbuda	2007	0.737094	0.586594
Antigua and Barbuda	2008	0.740284	0.585623
Antigua and Barbuda	2009	0.834307	0.66124
Antigua and Barbuda	2010	0.855069	0.67682
Antigua and Barbuda	2011	0.878277	0.69395
Antigua and Barbuda	2012	0.910791	0.720486
Antigua and Barbuda	2013	0.946769	0.754748
Antigua and Barbuda	2014	0.946533	0.756041
Antigua and Barbuda	2015	0.944465	0.754486
Antigua and Barbuda	2016	0.949086	0.759164
Antigua and Barbuda	2017	0.961636	0.775668
Antigua and Barbuda	2018	0.955232	0.775363
Antigua and Barbuda	2019	0.938257	0.764103
Argentina	1990	0.816301	0.592396
Argentina	1991	0.81505	0.589561
Argentina	1992	0.809108	0.582187
Argentina	1993	0.820178	0.585302
Argentina	1994	0.835615	0.593134
Argentina	1995	0.852727	0.599872
Argentina	1996	0.864933	0.604446
Argentina	1997	0.887958	0.615809
Argentina	1998	0.911821	0.626255
Argentina	1999	0.926667	0.630847
Argentina	2000	0.937797	0.633938

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5	Argentina	2001	0.936522	0.629952
6	Argentina	2002	0.926919	0.620389
7	Argentina	2003	0.93253	0.619629
8	Argentina	2004	0.932059	0.61577
9	Argentina	2005	0.927467	0.611552
10	Argentina	2006	0.939197	0.617824
11	Argentina	2007	0.941492	0.617118
12	Argentina	2008	0.95441	0.62448
13	Argentina	2009	0.959719	0.625646
14	Argentina	2010	0.973276	0.629635
15	Argentina	2011	0.975477	0.628524
16	Argentina	2012	0.967782	0.622803
17	Argentina	2013	0.976495	0.626864
18	Argentina	2014	0.98453	0.630903
19	Argentina	2015	0.977509	0.626764
20	Argentina	2016	0.966372	0.620702
21	Argentina	2017	0.958121	0.617106
22	Argentina	2018	0.958598	0.622691
23	Argentina	2019	0.954191	0.623212
24	Armenia	1990	0.780068	0.518728
25	Armenia	1991	0.765191	0.508548
26	Armenia	1992	0.777493	0.518524
27	Armenia	1993	0.769502	0.514966
28	Armenia	1994	0.767158	0.520619
29	Armenia	1995	0.837447	0.570209
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5	Armenia	1996	0.883948	0.61161
6	Armenia	1997	0.932501	0.658905
7	Armenia	1998	0.992186	0.709891
8	Armenia	1999	0.977642	0.704145
9	Armenia	2000	0.989377	0.713448
10	Armenia	2001	0.993407	0.722184
11	Armenia	2002	0.975439	0.707534
12	Armenia	2003	0.984779	0.705606
13	Armenia	2004	0.973642	0.687817
14	Armenia	2005	0.955851	0.670541
15	Armenia	2006	0.928028	0.650275
16	Armenia	2007	1.000884	0.697835
17	Armenia	2008	0.930024	0.654575
18	Armenia	2009	0.907739	0.639381
19	Armenia	2010	0.891967	0.618215
20	Armenia	2011	0.858252	0.593996
21	Armenia	2012	0.895746	0.620641
22	Armenia	2013	0.90243	0.62339
23	Armenia	2014	0.879924	0.604729
24	Armenia	2015	0.827098	0.568261
25	Armenia	2016	0.836569	0.574202
26	Armenia	2017	0.838073	0.573061
27	Armenia	2018	0.837492	0.569781
28	Armenia	2019	0.833053	0.566864
29	Australia	1990	1.294494	0.755478
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Australia	1991	1.288997	0.756474
Australia	1992	1.268926	0.745579
Australia	1993	1.241153	0.728202
Australia	1994	1.226829	0.71809
Australia	1995	1.231699	0.722381
Australia	1996	1.205226	0.709841
Australia	1997	1.191066	0.708118
Australia	1998	1.152601	0.688628
Australia	1999	1.152189	0.689831
Australia	2000	1.138176	0.683865
Australia	2001	1.12561	0.679441
Australia	2002	1.117703	0.674985
Australia	2003	1.095849	0.664528
Australia	2004	1.115103	0.677657
Australia	2005	1.135883	0.692902
Australia	2006	1.143659	0.700868
Australia	2007	1.154737	0.713041
Australia	2008	1.155029	0.717956
Australia	2009	1.164055	0.73019
Australia	2010	1.152713	0.728706
Australia	2011	1.141979	0.729099
Australia	2012	1.137162	0.734577
Australia	2013	1.125903	0.736751
Australia	2014	1.120436	0.740431
Australia	2015	1.10876	0.740356

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Australia	2016	1.102751	0.742331
Australia	2017	1.080546	0.734664
Australia	2018	1.068638	0.734484
Australia	2019	1.053569	0.730815
Austria	1990	1.516235	0.715717
Austria	1991	1.500515	0.705711
Austria	1992	1.491132	0.697389
Austria	1993	1.491922	0.696126
Austria	1994	1.498083	0.695299
Austria	1995	1.517538	0.698785
Austria	1996	1.50472	0.689712
Austria	1997	1.501237	0.682791
Austria	1998	1.494367	0.680545
Austria	1999	1.525297	0.695688
Austria	2000	1.552982	0.710282
Austria	2001	1.556454	0.717181
Austria	2002	1.552057	0.722238
Austria	2003	1.575332	0.743031
Austria	2004	1.543781	0.734121
Austria	2005	1.566323	0.744065
Austria	2006	1.565154	0.746048
Austria	2007	1.574945	0.754747
Austria	2008	1.579287	0.761531
Austria	2009	1.5496	0.756153
Austria	2010	1.565489	0.765797

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5	Austria	2011	1.588252	0.779744
6	Austria	2012	1.601134	0.789644
7	Austria	2013	1.61478	0.803998
8	Austria	2014	1.618171	0.816704
9	Austria	2015	1.585412	0.805686
10	Austria	2016	1.587994	0.814803
11	Austria	2017	1.567843	0.81588
12	Austria	2018	1.545369	0.82056
13	Austria	2019	1.510565	0.817641
14	Azerbaijan	1990	0.884919	0.65096
15	Azerbaijan	1991	0.863564	0.647523
16	Azerbaijan	1992	0.804415	0.631196
17	Azerbaijan	1993	0.807115	0.640708
18	Azerbaijan	1994	0.824097	0.657869
19	Azerbaijan	1995	0.899597	0.689805
20	Azerbaijan	1996	0.926688	0.699384
21	Azerbaijan	1997	0.933708	0.708992
22	Azerbaijan	1998	0.951881	0.72596
23	Azerbaijan	1999	0.959192	0.7351
24	Azerbaijan	2000	0.953873	0.735509
25	Azerbaijan	2001	0.94505	0.732781
26	Azerbaijan	2002	0.929063	0.726587
27	Azerbaijan	2003	0.922196	0.729547
28	Azerbaijan	2004	0.911869	0.736815
29	Azerbaijan	2005	0.903185	0.741571
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5	Azerbaijan	2006	0.897948	0.739822
6	Azerbaijan	2007	0.893294	0.736339
7	Azerbaijan	2008	0.88655	0.739216
8	Azerbaijan	2009	0.895969	0.749957
9	Azerbaijan	2010	0.897182	0.756723
10	Azerbaijan	2011	0.886579	0.749297
11	Azerbaijan	2012	0.889392	0.748078
12	Azerbaijan	2013	0.896214	0.759684
13	Azerbaijan	2014	0.915751	0.771163
14	Azerbaijan	2015	0.928454	0.781904
15	Azerbaijan	2016	0.941756	0.786452
16	Azerbaijan	2017	0.948794	0.792003
17	Azerbaijan	2018	0.959219	0.807247
18	Azerbaijan	2019	0.964069	0.81359
19	Bahamas	1990	0.86923	0.637024
20	Bahamas	1991	0.873246	0.641249
21	Bahamas	1992	0.886863	0.654543
22	Bahamas	1993	0.874838	0.651853
23	Bahamas	1994	0.865065	0.646329
24	Bahamas	1995	0.858317	0.644723
25	Bahamas	1996	0.882475	0.662296
26	Bahamas	1997	0.890227	0.668356
27	Bahamas	1998	0.896911	0.667434
28	Bahamas	1999	0.913152	0.670192
29	Bahamas	2000	0.946792	0.688855
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Bahamas	2001	0.933287	0.683256
Bahamas	2002	0.961431	0.708425
Bahamas	2003	0.980276	0.723078
Bahamas	2004	0.969473	0.729096
Bahamas	2005	0.976416	0.747939
Bahamas	2006	0.965569	0.746845
Bahamas	2007	0.959604	0.750593
Bahamas	2008	0.937636	0.735607
Bahamas	2009	0.95849	0.756095
Bahamas	2010	0.962004	0.755122
Bahamas	2011	0.94786	0.745734
Bahamas	2012	0.940035	0.743227
Bahamas	2013	0.993174	0.800607
Bahamas	2014	0.966604	0.786467
Bahamas	2015	0.93935	0.758471
Bahamas	2016	0.934359	0.754261
Bahamas	2017	0.929223	0.75145
Bahamas	2018	0.912342	0.733095
Bahamas	2019	0.901126	0.718165
Bahrain	1990	0.96846	1.011246
Bahrain	1991	0.955936	0.993367
Bahrain	1992	0.958204	1.008735
Bahrain	1993	0.960542	1.032361
Bahrain	1994	0.914769	0.98154
Bahrain	1995	0.867259	0.918159



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Bahrain	1996	0.880086	0.927939
Bahrain	1997	0.841479	0.867421
Bahrain	1998	0.897658	0.909906
Bahrain	1999	0.990692	1.012986
Bahrain	2000	0.997978	1.079099
Bahrain	2001	0.962072	1.099497
Bahrain	2002	0.944778	1.025992
Bahrain	2003	0.88681	0.932096
Bahrain	2004	0.893684	0.94323
Bahrain	2005	0.879997	0.951966
Bahrain	2006	0.845168	0.936137
Bahrain	2007	0.816137	0.921743
Bahrain	2008	0.771081	0.894059
Bahrain	2009	0.739982	0.877059
Bahrain	2010	0.703531	0.858101
Bahrain	2011	0.690148	0.841018
Bahrain	2012	0.696111	0.81503
Bahrain	2013	0.724384	0.856791
Bahrain	2014	0.754134	0.915374
Bahrain	2015	0.761763	0.942064
Bahrain	2016	0.781626	0.985433
Bahrain	2017	0.787411	1.010453
Bahrain	2018	0.761454	0.999448
Bahrain	2019	0.75058	1.006894
Bangladesh	1990	0.3804	0.716382

Bangladesh	1991	0.375512	0.70697
Bangladesh	1992	0.395376	0.732929
Bangladesh	1993	0.404917	0.739799
Bangladesh	1994	0.4091	0.741698
Bangladesh	1995	0.419216	0.749634
Bangladesh	1996	0.415382	0.737888
Bangladesh	1997	0.41797	0.73412
Bangladesh	1998	0.43435	0.780599
Bangladesh	1999	0.454088	0.839102
Bangladesh	2000	0.453657	0.843641
Bangladesh	2001	0.459795	0.853859
Bangladesh	2002	0.467849	0.862316
Bangladesh	2003	0.464491	0.839155
Bangladesh	2004	0.462154	0.815733
Bangladesh	2005	0.466528	0.798544
Bangladesh	2006	0.46469	0.773923
Bangladesh	2007	0.454664	0.734806
Bangladesh	2008	0.464322	0.733483
Bangladesh	2009	0.490683	0.758337
Bangladesh	2010	0.52175	0.778736
Bangladesh	2011	0.542118	0.797312
Bangladesh	2012	0.565715	0.822096
Bangladesh	2013	0.586354	0.836184
Bangladesh	2014	0.60748	0.848881
Bangladesh	2015	0.637512	0.868537

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Bangladesh	2016	0.660278	0.882671
Bangladesh	2017	0.678338	0.88952
Bangladesh	2018	0.698971	0.899008
Bangladesh	2019	0.718894	0.907048
Barbados	1990	0.894527	0.616642
Barbados	1991	0.905157	0.626068
Barbados	1992	0.886093	0.614058
Barbados	1993	0.840365	0.584046
Barbados	1994	0.798121	0.552412
Barbados	1995	0.797847	0.547842
Barbados	1996	0.802923	0.548148
Barbados	1997	0.829481	0.563764
Barbados	1998	0.91285	0.619466
Barbados	1999	1.051021	0.713134
Barbados	2000	1.129813	0.771219
Barbados	2001	1.164329	0.804694
Barbados	2002	1.098412	0.766947
Barbados	2003	1.060014	0.743981
Barbados	2004	1.049906	0.73631
Barbados	2005	1.035049	0.730984
Barbados	2006	1.025381	0.726048
Barbados	2007	1.03494	0.730463
Barbados	2008	1.071119	0.755906
Barbados	2009	1.186422	0.840113
Barbados	2010	1.20559	0.861409

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5	Barbados	2011	1.256207	0.903078
6	Barbados	2012	1.232002	0.894855
7	Barbados	2013	1.244512	0.910245
8	Barbados	2014	1.226329	0.90563
9	Barbados	2015	1.219095	0.909021
10	Barbados	2016	1.20731	0.908776
11	Barbados	2017	1.18224	0.898411
12	Barbados	2018	1.136632	0.87408
13	Barbados	2019	1.057898	0.823784
14	Belarus	1990	1.222737	0.546785
15	Belarus	1991	1.222589	0.542306
16	Belarus	1992	1.222354	0.541995
17	Belarus	1993	1.194195	0.528192
18	Belarus	1994	1.198027	0.525786
19	Belarus	1995	1.190682	0.524236
20	Belarus	1996	1.19779	0.529672
21	Belarus	1997	1.201862	0.530403
22	Belarus	1998	1.180566	0.522256
23	Belarus	1999	1.17349	0.525554
24	Belarus	2000	1.181038	0.537008
25	Belarus	2001	1.11243	0.527535
26	Belarus	2002	0.992516	0.514932
27	Belarus	2003	0.965662	0.512927
28	Belarus	2004	0.987739	0.51748
29	Belarus	2005	0.949344	0.490265
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Belarus	2006	0.967082	0.492058
Belarus	2007	1.016222	0.523081
Belarus	2008	0.997675	0.511675
Belarus	2009	1.034343	0.52553
Belarus	2010	1.035253	0.522242
Belarus	2011	1.052963	0.526143
Belarus	2012	1.118591	0.540565
Belarus	2013	1.163733	0.552405
Belarus	2014	1.170396	0.54707
Belarus	2015	1.17895	0.546572
Belarus	2016	1.200354	0.553718
Belarus	2017	1.181	0.545909
Belarus	2018	1.181577	0.547002
Belarus	2019	1.173258	0.544368
Belgium	1990	1.421385	0.740877
Belgium	1991	1.423942	0.735281
Belgium	1992	1.445789	0.734188
Belgium	1993	1.462333	0.731138
Belgium	1994	1.49978	0.74798
Belgium	1995	1.496972	0.743446
Belgium	1996	1.496832	0.734692
Belgium	1997	1.509634	0.737004
Belgium	1998	1.514908	0.74002
Belgium	1999	1.502728	0.733028
Belgium	2000	1.557667	0.760407

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5	Belgium	2001	1.583938	0.775911
6	Belgium	2002	1.586992	0.779042
7	Belgium	2003	1.581673	0.780405
8	Belgium	2004	1.568962	0.781184
9	Belgium	2005	1.5535	0.78059
10	Belgium	2006	1.536952	0.778674
11	Belgium	2007	1.518508	0.773984
12	Belgium	2008	1.485609	0.766927
13	Belgium	2009	1.472726	0.767742
14	Belgium	2010	1.455233	0.765906
15	Belgium	2011	1.438783	0.760722
16	Belgium	2012	1.407827	0.747317
17	Belgium	2013	1.420968	0.757718
18	Belgium	2014	1.426814	0.762059
19	Belgium	2015	1.453753	0.777867
20	Belgium	2016	1.443727	0.774551
21	Belgium	2017	1.418192	0.768017
22	Belgium	2018	1.412215	0.771966
23	Belgium	2019	1.395084	0.770581
24	Belize	1990	1.00662	0.972825
25	Belize	1991	0.965362	0.94683
26	Belize	1992	0.931144	0.91186
27	Belize	1993	0.932714	0.918929
28	Belize	1994	0.931709	0.919944
29	Belize	1995	0.88969	0.890978
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5	Belize	1996	0.867909	0.868761
6	Belize	1997	0.814316	0.808436
7	Belize	1998	0.749212	0.736919
8	Belize	1999	0.714264	0.689447
9	Belize	2000	0.743064	0.711691
10	Belize	2001	0.79908	0.763506
11	Belize	2002	0.851249	0.81938
12	Belize	2003	0.884077	0.854598
13	Belize	2004	0.886352	0.861362
14	Belize	2005	0.904799	0.880318
15	Belize	2006	0.936253	0.920596
16	Belize	2007	0.939889	0.93118
17	Belize	2008	0.921785	0.919071
18	Belize	2009	0.920857	0.923895
19	Belize	2010	0.915009	0.919982
20	Belize	2011	0.925972	0.936544
21	Belize	2012	0.928028	0.938017
22	Belize	2013	0.940011	0.951449
23	Belize	2014	0.926192	0.934737
24	Belize	2015	0.870335	0.87185
25	Belize	2016	0.849205	0.852208
26	Belize	2017	0.845053	0.848611
27	Belize	2018	0.837958	0.836727
28	Belize	2019	0.830969	0.825455
29	Benin	1990	0.79431	0.718407
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Benin	1991	0.787919	0.71165
Benin	1992	0.789963	0.712579
Benin	1993	0.792025	0.710205
Benin	1994	0.794905	0.70809
Benin	1995	0.79705	0.707537
Benin	1996	0.797238	0.702469
Benin	1997	0.79723	0.69874
Benin	1998	0.792817	0.690638
Benin	1999	0.787169	0.680281
Benin	2000	0.789476	0.67662
Benin	2001	0.791888	0.674468
Benin	2002	0.795861	0.672453
Benin	2003	0.805334	0.676195
Benin	2004	0.820154	0.684018
Benin	2005	0.837154	0.694794
Benin	2006	0.854647	0.70472
Benin	2007	0.870698	0.715176
Benin	2008	0.864989	0.708258
Benin	2009	0.861007	0.704984
Benin	2010	0.856749	0.700102
Benin	2011	0.848411	0.694153
Benin	2012	0.842619	0.6896
Benin	2013	0.831281	0.682766
Benin	2014	0.834141	0.686071
Benin	2015	0.836716	0.687831



Benin	2016	0.841937	0.693924
Benin	2017	0.845774	0.698568
Benin	2018	0.84839	0.702366
Benin	2019	0.84808	0.705069
Bermuda	1990	0.754029	0.536264
Bermuda	1991	0.779454	0.553886
Bermuda	1992	0.840547	0.599338
Bermuda	1993	0.854096	0.607478
Bermuda	1994	0.872814	0.618957
Bermuda	1995	0.898129	0.634928
Bermuda	1996	0.888039	0.626096
Bermuda	1997	0.889982	0.625837
Bermuda	1998	0.898389	0.629455
Bermuda	1999	0.901327	0.628074
Bermuda	2000	0.917436	0.635426
Bermuda	2001	0.930333	0.644094
Bermuda	2002	0.916068	0.634163
Bermuda	2003	0.872629	0.604624
Bermuda	2004	0.847269	0.587719
Bermuda	2005	0.818464	0.567361
Bermuda	2006	0.787899	0.546584
Bermuda	2007	0.77141	0.533994
Bermuda	2008	0.766299	0.528829
Bermuda	2009	0.771124	0.5311
Bermuda	2010	0.759957	0.523274

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5	Bermuda	2011	0.75285	0.518281
6	Bermuda	2012	0.746253	0.51245
7	Bermuda	2013	0.749626	0.513518
8	Bermuda	2014	0.757856	0.518891
9	Bermuda	2015	0.769205	0.52558
10	Bermuda	2016	0.777422	0.531834
11	Bermuda	2017	0.777963	0.532703
12	Bermuda	2018	0.776396	0.531267
13	Bermuda	2019	0.774579	0.529411
14	Bhutan	1990	1.150997	0.961563
15	Bhutan	1991	1.159768	0.976396
16	Bhutan	1992	1.161489	0.988481
17	Bhutan	1993	1.162582	1.002648
18	Bhutan	1994	1.16165	1.015731
19	Bhutan	1995	1.161533	1.029975
20	Bhutan	1996	1.155882	1.038013
21	Bhutan	1997	1.14839	1.044638
22	Bhutan	1998	1.132276	1.043871
23	Bhutan	1999	1.117843	1.044833
24	Bhutan	2000	1.104612	1.044609
25	Bhutan	2001	1.082835	1.036621
26	Bhutan	2002	1.060601	1.028499
27	Bhutan	2003	1.048045	1.026816
28	Bhutan	2004	1.048342	1.036155
29	Bhutan	2005	1.045514	1.041306
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5	Bhutan	2006	1.040212	1.045284
6	Bhutan	2007	1.04562	1.054329
7	Bhutan	2008	1.020866	1.035328
8	Bhutan	2009	0.990419	1.00997
9	Bhutan	2010	0.976659	0.999512
10	Bhutan	2011	0.963328	0.988538
11	Bhutan	2012	0.954794	0.981532
12	Bhutan	2013	0.951871	0.978607
13	Bhutan	2014	0.951886	0.977927
14	Bhutan	2015	0.944963	0.969948
15	Bhutan	2016	0.93875	0.962066
16	Bhutan	2017	0.941255	0.962716
17	Bhutan	2018	0.945337	0.964172
18	Bhutan	2019	0.95056	0.966948
19	Bolivia (Plurinational State of)	1990	0.961256	0.803475
20	Bolivia (Plurinational State of)	1991	0.974811	0.817495
21	Bolivia (Plurinational State of)	1992	1.002636	0.843273
22	Bolivia (Plurinational State of)	1993	1.017767	0.858119
23	Bolivia (Plurinational State of)	1994	1.033256	0.87403
24	Bolivia (Plurinational State of)	1995	1.024883	0.870068
25	Bolivia (Plurinational State of)	1996	1.017566	0.866427
26	Bolivia (Plurinational State of)	1997	1.007971	0.861273
27	Bolivia (Plurinational State of)	1998	0.984129	0.841985
28	Bolivia (Plurinational State of)	1999	0.966015	0.827632
29	Bolivia (Plurinational State of)	2000	0.962713	0.824518
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Bolivia (Plurinational State of)	2001	0.958932	0.820473
Bolivia (Plurinational State of)	2002	0.976256	0.835383
Bolivia (Plurinational State of)	2003	0.98302	0.842998
Bolivia (Plurinational State of)	2004	0.994413	0.853175
Bolivia (Plurinational State of)	2005	1.000176	0.857717
Bolivia (Plurinational State of)	2006	0.994393	0.853639
Bolivia (Plurinational State of)	2007	1.012508	0.870734
Bolivia (Plurinational State of)	2008	1.012945	0.872046
Bolivia (Plurinational State of)	2009	1.014013	0.874569
Bolivia (Plurinational State of)	2010	1.020693	0.882007
Bolivia (Plurinational State of)	2011	1.0303	0.892378
Bolivia (Plurinational State of)	2012	1.042369	0.905194
Bolivia (Plurinational State of)	2013	1.032939	0.899283
Bolivia (Plurinational State of)	2014	1.009051	0.880472
Bolivia (Plurinational State of)	2015	1.012061	0.885248
Bolivia (Plurinational State of)	2016	1.029472	0.902983
Bolivia (Plurinational State of)	2017	1.025379	0.901278
Bolivia (Plurinational State of)	2018	1.020638	0.898737
Bolivia (Plurinational State of)	2019	1.018462	0.897773
Bosnia and Herzegovina	1990	1.29983	0.970983
Bosnia and Herzegovina	1991	1.288569	0.978089
Bosnia and Herzegovina	1992	1.355309	1.027289
Bosnia and Herzegovina	1993	1.329285	0.98292
Bosnia and Herzegovina	1994	1.34116	0.988002
Bosnia and Herzegovina	1995	1.337425	0.976078

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Bosnia and Herzegovina	1996	1.330841	0.969336
Bosnia and Herzegovina	1997	1.386711	1.048084
Bosnia and Herzegovina	1998	1.325447	0.989462
Bosnia and Herzegovina	1999	1.299408	0.931218
Bosnia and Herzegovina	2000	1.218634	0.856607
Bosnia and Herzegovina	2001	1.246342	0.884627
Bosnia and Herzegovina	2002	1.214282	0.851942
Bosnia and Herzegovina	2003	1.13905	0.783318
Bosnia and Herzegovina	2004	1.143951	0.790536
Bosnia and Herzegovina	2005	1.040577	0.726236
Bosnia and Herzegovina	2006	1.06114	0.738709
Bosnia and Herzegovina	2007	1.0373	0.726447
Bosnia and Herzegovina	2008	1.018065	0.713553
Bosnia and Herzegovina	2009	1.009822	0.716932
Bosnia and Herzegovina	2010	1.0141	0.719194
Bosnia and Herzegovina	2011	0.981583	0.69969
Bosnia and Herzegovina	2012	1.005197	0.710447
Bosnia and Herzegovina	2013	1.013019	0.708952
Bosnia and Herzegovina	2014	1.038881	0.725823
Bosnia and Herzegovina	2015	1.049397	0.736441
Bosnia and Herzegovina	2016	1.040546	0.735288
Bosnia and Herzegovina	2017	1.040503	0.737686
Bosnia and Herzegovina	2018	1.04249	0.738539
Bosnia and Herzegovina	2019	1.043485	0.74054
Botswana	1990	0.537137	0.414065

Botswana	1991	0.529932	0.411447
Botswana	1992	0.518595	0.406089
Botswana	1993	0.500924	0.397237
Botswana	1994	0.475532	0.382303
Botswana	1995	0.445387	0.362409
Botswana	1996	0.411066	0.337684
Botswana	1997	0.38692	0.317997
Botswana	1998	0.388996	0.316316
Botswana	1999	0.399472	0.320642
Botswana	2000	0.419352	0.331758
Botswana	2001	0.440807	0.343843
Botswana	2002	0.462907	0.35598
Botswana	2003	0.48127	0.365153
Botswana	2004	0.485173	0.364081
Botswana	2005	0.486513	0.361465
Botswana	2006	0.486971	0.359767
Botswana	2007	0.517909	0.376773
Botswana	2008	0.56281	0.404718
Botswana	2009	0.590041	0.421971
Botswana	2010	0.61666	0.43976
Botswana	2011	0.650044	0.462337
Botswana	2012	0.673408	0.478454
Botswana	2013	0.698869	0.496157
Botswana	2014	0.729034	0.517204
Botswana	2015	0.736907	0.525176

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5	Botswana	2016	0.736744	0.527736
6	Botswana	2017	0.741796	0.534897
7	Botswana	2018	0.745507	0.541574
8	Botswana	2019	0.749048	0.547359
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10	Brazil	1990	0.868292	0.734531
11	Brazil	1991	0.871669	0.733028
12	Brazil	1992	0.873059	0.730412
13	Brazil	1993	0.870166	0.724411
14	Brazil	1994	0.872946	0.725148
15	Brazil	1995	0.888112	0.736283
16	Brazil	1996	0.901793	0.748348
17	Brazil	1997	0.912694	0.754577
18	Brazil	1998	0.915702	0.754223
19	Brazil	1999	0.920762	0.755906
20	Brazil	2000	0.923142	0.754715
21	Brazil	2001	0.92368	0.75192
22	Brazil	2002	0.926329	0.749707
23	Brazil	2003	0.914675	0.736203
24	Brazil	2004	0.908924	0.728108
25	Brazil	2005	0.909099	0.725899
26	Brazil	2006	0.914362	0.726873
27	Brazil	2007	0.917005	0.725326
28	Brazil	2008	0.919568	0.724005
29	Brazil	2009	0.926131	0.725645
30	Brazil	2010	0.929564	0.724421
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Brazil	2011	0.929337	0.72113
Brazil	2012	0.932485	0.720529
Brazil	2013	0.929513	0.715356
Brazil	2014	0.928064	0.711744
Brazil	2015	0.93	0.710368
Brazil	2016	0.921374	0.701534
Brazil	2017	0.923842	0.701841
Brazil	2018	0.931119	0.708035
Brazil	2019	0.926425	0.704651
Brunei Darussalam	1990	0.730035	0.53404
Brunei Darussalam	1991	0.74702	0.551392
Brunei Darussalam	1992	0.753832	0.561922
Brunei Darussalam	1993	0.761973	0.573017
Brunei Darussalam	1994	0.802694	0.622696
Brunei Darussalam	1995	0.817759	0.648665
Brunei Darussalam	1996	0.850126	0.700386
Brunei Darussalam	1997	0.894011	0.778129
Brunei Darussalam	1998	0.873648	0.765259
Brunei Darussalam	1999	0.871369	0.763791
Brunei Darussalam	2000	0.894188	0.798016
Brunei Darussalam	2001	0.90963	0.83227
Brunei Darussalam	2002	0.886411	0.780404
Brunei Darussalam	2003	0.854292	0.71243
Brunei Darussalam	2004	0.859174	0.715514
Brunei Darussalam	2005	0.84762	0.690099



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Brunei Darussalam	2006	0.852917	0.685786
Brunei Darussalam	2007	0.882095	0.739274
Brunei Darussalam	2008	0.862392	0.697695
Brunei Darussalam	2009	0.856274	0.659067
Brunei Darussalam	2010	0.855225	0.645933
Brunei Darussalam	2011	0.874377	0.639123
Brunei Darussalam	2012	0.893294	0.618207
Brunei Darussalam	2013	0.887434	0.591531
Brunei Darussalam	2014	0.889551	0.570037
Brunei Darussalam	2015	0.908183	0.567185
Brunei Darussalam	2016	0.908363	0.560784
Brunei Darussalam	2017	0.899665	0.555
Brunei Darussalam	2018	0.897283	0.547615
Brunei Darussalam	2019	0.897071	0.549288
Bulgaria	1990	0.784462	0.633343
Bulgaria	1991	0.8026	0.650828
Bulgaria	1992	0.791893	0.644128
Bulgaria	1993	0.768757	0.619671
Bulgaria	1994	0.766644	0.616116
Bulgaria	1995	0.784155	0.626033
Bulgaria	1996	0.792337	0.62834
Bulgaria	1997	0.81624	0.64351
Bulgaria	1998	0.810752	0.633696
Bulgaria	1999	0.84948	0.659797
Bulgaria	2000	0.827353	0.634195

Bulgaria	2001	0.799274	0.605875
Bulgaria	2002	0.784054	0.590177
Bulgaria	2003	0.761885	0.573417
Bulgaria	2004	0.750577	0.563872
Bulgaria	2005	0.737531	0.550685
Bulgaria	2006	0.740673	0.551365
Bulgaria	2007	0.742368	0.548454
Bulgaria	2008	0.735157	0.539766
Bulgaria	2009	0.733233	0.536161
Bulgaria	2010	0.744196	0.543393
Bulgaria	2011	0.738048	0.535808
Bulgaria	2012	0.742174	0.534777
Bulgaria	2013	0.748018	0.538745
Bulgaria	2014	0.757692	0.54565
Bulgaria	2015	0.768527	0.55158
Bulgaria	2016	0.751909	0.541118
Bulgaria	2017	0.748123	0.537571
Bulgaria	2018	0.757731	0.540935
Bulgaria	2019	0.759446	0.540909
Burkina Faso	1990	0.829528	0.714538
Burkina Faso	1991	0.822189	0.708491
Burkina Faso	1992	0.828201	0.71154
Burkina Faso	1993	0.826131	0.708344
Burkina Faso	1994	0.828671	0.709142
Burkina Faso	1995	0.832397	0.710774

Burkina Faso	1996	0.840602	0.718042
Burkina Faso	1997	0.855196	0.729615
Burkina Faso	1998	0.864386	0.736372
Burkina Faso	1999	0.878543	0.745592
Burkina Faso	2000	0.896482	0.757597
Burkina Faso	2001	0.900208	0.758025
Burkina Faso	2002	0.911224	0.761005
Burkina Faso	2003	0.922792	0.770118
Burkina Faso	2004	0.93218	0.777212
Burkina Faso	2005	0.936739	0.780345
Burkina Faso	2006	0.941423	0.78412
Burkina Faso	2007	0.937418	0.779712
Burkina Faso	2008	0.932447	0.771837
Burkina Faso	2009	0.932103	0.767737
Burkina Faso	2010	0.933339	0.766071
Burkina Faso	2011	0.936167	0.762728
Burkina Faso	2012	0.933527	0.758505
Burkina Faso	2013	0.934327	0.753482
Burkina Faso	2014	0.946187	0.758672
Burkina Faso	2015	0.965308	0.770071
Burkina Faso	2016	0.981429	0.778676
Burkina Faso	2017	0.997016	0.7884
Burkina Faso	2018	1.006615	0.794704
Burkina Faso	2019	1.016562	0.801219
Burundi	1990	0.687664	0.563286

Burundi	1991	0.694366	0.567374
Burundi	1992	0.699582	0.571893
Burundi	1993	0.698081	0.573959
Burundi	1994	0.696463	0.575131
Burundi	1995	0.698699	0.57815
Burundi	1996	0.712302	0.591291
Burundi	1997	0.719895	0.601894
Burundi	1998	0.728608	0.614085
Burundi	1999	0.737929	0.625256
Burundi	2000	0.734877	0.628305
Burundi	2001	0.734869	0.631386
Burundi	2002	0.733492	0.633296
Burundi	2003	0.733389	0.637925
Burundi	2004	0.729231	0.640778
Burundi	2005	0.718246	0.63823
Burundi	2006	0.703513	0.630502
Burundi	2007	0.683863	0.619678
Burundi	2008	0.666624	0.612776
Burundi	2009	0.663426	0.614655
Burundi	2010	0.660953	0.616004
Burundi	2011	0.656466	0.616586
Burundi	2012	0.654089	0.619867
Burundi	2013	0.652141	0.622567
Burundi	2014	0.6494	0.625271
Burundi	2015	0.644695	0.62811

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Burundi	2016	0.636883	0.629837
Burundi	2017	0.631132	0.632785
Burundi	2018	0.628577	0.636035
Burundi	2019	0.624937	0.639786
Cabo Verde	1990	0.785566	0.5739
Cabo Verde	1991	0.799078	0.581168
Cabo Verde	1992	0.800885	0.580711
Cabo Verde	1993	0.780252	0.565062
Cabo Verde	1994	0.769012	0.55496
Cabo Verde	1995	0.760016	0.546382
Cabo Verde	1996	0.725456	0.51886
Cabo Verde	1997	0.676563	0.479908
Cabo Verde	1998	0.676536	0.473741
Cabo Verde	1999	0.676218	0.467118
Cabo Verde	2000	0.68503	0.466719
Cabo Verde	2001	0.686608	0.46229
Cabo Verde	2002	0.688755	0.458328
Cabo Verde	2003	0.690284	0.453906
Cabo Verde	2004	0.687477	0.446744
Cabo Verde	2005	0.684518	0.439673
Cabo Verde	2006	0.777244	0.500204
Cabo Verde	2007	0.816068	0.528048
Cabo Verde	2008	0.819805	0.532151
Cabo Verde	2009	0.824293	0.537742
Cabo Verde	2010	0.83081	0.546195

5	Cabo Verde	2011	0.853879	0.565047
6	Cabo Verde	2012	0.875334	0.583896
7	Cabo Verde	2013	0.871868	0.58662
9	Cabo Verde	2014	0.904058	0.616563
10	Cabo Verde	2015	0.942277	0.652128
11	Cabo Verde	2016	1.004837	0.705484
12	Cabo Verde	2017	0.957232	0.681284
13	Cabo Verde	2018	0.696343	0.470762
14	Cabo Verde	2019	0.705846	0.473874
17	Cambodia	1990	1.272435	0.929989
18	Cambodia	1991	1.277283	0.931682
19	Cambodia	1992	1.287046	0.936978
20	Cambodia	1993	1.299802	0.944499
21	Cambodia	1994	1.311296	0.951699
22	Cambodia	1995	1.305299	0.947258
23	Cambodia	1996	1.305278	0.945959
24	Cambodia	1997	1.294164	0.937495
25	Cambodia	1998	1.282978	0.929409
26	Cambodia	1999	1.272036	0.922534
27	Cambodia	2000	1.259729	0.913971
28	Cambodia	2001	1.246865	0.905562
29	Cambodia	2002	1.239166	0.900746
30	Cambodia	2003	1.227679	0.89253
31	Cambodia	2004	1.212898	0.88247
32	Cambodia	2005	1.193716	0.869231

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Cambodia	2006	1.18145	0.860138
Cambodia	2007	1.164389	0.848923
Cambodia	2008	1.148449	0.838274
Cambodia	2009	1.137969	0.830565
Cambodia	2010	1.134267	0.827896
Cambodia	2011	1.13422	0.827352
Cambodia	2012	1.135837	0.828119
Cambodia	2013	1.140934	0.831604
Cambodia	2014	1.14328	0.833467
Cambodia	2015	1.144017	0.833629
Cambodia	2016	1.146845	0.835286
Cambodia	2017	1.150349	0.836871
Cambodia	2018	1.152662	0.837604
Cambodia	2019	1.155105	0.838245
Cameroon	1990	1.147025	1.039542
Cameroon	1991	1.13009	1.023941
Cameroon	1992	1.11613	1.010117
Cameroon	1993	1.09613	0.991193
Cameroon	1994	1.085801	0.980193
Cameroon	1995	1.066587	0.962355
Cameroon	1996	1.04273	0.941254
Cameroon	1997	1.038881	0.934436
Cameroon	1998	1.030364	0.926553
Cameroon	1999	1.010618	0.908515
Cameroon	2000	0.99371	0.892449

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5	Cameroon	2001	0.973748	0.875349
6	Cameroon	2002	0.961464	0.860027
7	Cameroon	2003	0.950572	0.851844
8	Cameroon	2004	0.939277	0.843458
9	Cameroon	2005	0.925508	0.832964
10	Cameroon	2006	0.916299	0.824142
11	Cameroon	2007	0.904462	0.813191
12	Cameroon	2008	0.886022	0.796672
13	Cameroon	2009	0.876197	0.787422
14	Cameroon	2010	0.879262	0.788679
15	Cameroon	2011	0.880561	0.789209
16	Cameroon	2012	0.878504	0.786955
17	Cameroon	2013	0.876201	0.784414
18	Cameroon	2014	0.88642	0.793444
19	Cameroon	2015	0.894119	0.799428
20	Cameroon	2016	0.901086	0.806824
21	Cameroon	2017	0.904634	0.810746
22	Cameroon	2018	0.904815	0.812334
23	Cameroon	2019	0.906643	0.815062
24	Canada	1990	1.071669	0.656583
25	Canada	1991	1.068419	0.651509
26	Canada	1992	1.072055	0.651547
27	Canada	1993	1.062733	0.64336
28	Canada	1994	1.071188	0.646973
29	Canada	1995	1.056516	0.635922
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Canada	1996	1.06505	0.637783
Canada	1997	1.053599	0.628887
Canada	1998	1.053543	0.626099
Canada	1999	1.048713	0.618933
Canada	2000	1.075001	0.633436
Canada	2001	1.081442	0.635703
Canada	2002	1.090276	0.639234
Canada	2003	1.086281	0.636843
Canada	2004	1.090858	0.638593
Canada	2005	1.111257	0.652645
Canada	2006	1.138485	0.671429
Canada	2007	1.147179	0.680731
Canada	2008	1.155455	0.690482
Canada	2009	1.15475	0.694508
Canada	2010	1.166421	0.707449
Canada	2011	1.162524	0.712348
Canada	2012	1.14527	0.710073
Canada	2013	1.132927	0.710844
Canada	2014	1.127098	0.715051
Canada	2015	1.11813	0.716868
Canada	2016	1.106954	0.71676
Canada	2017	1.094248	0.715128
Canada	2018	1.074678	0.709354
Canada	2019	1.062453	0.707807
Central African Republic	1990	0.605335	0.494503

Central African Republic	1991	0.595076	0.488287
Central African Republic	1992	0.579631	0.476163
Central African Republic	1993	0.593358	0.485861
Central African Republic	1994	0.597356	0.488188
Central African Republic	1995	0.60126	0.490392
Central African Republic	1996	0.606962	0.494629
Central African Republic	1997	0.606767	0.493809
Central African Republic	1998	0.60576	0.491861
Central African Republic	1999	0.601875	0.487075
Central African Republic	2000	0.599029	0.482639
Central African Republic	2001	0.598767	0.482322
Central African Republic	2002	0.601461	0.484166
Central African Republic	2003	0.60518	0.487199
Central African Republic	2004	0.605982	0.487695
Central African Republic	2005	0.60574	0.486763
Central African Republic	2006	0.606321	0.485265
Central African Republic	2007	0.605549	0.483734
Central African Republic	2008	0.602208	0.479866
Central African Republic	2009	0.602173	0.479239
Central African Republic	2010	0.600321	0.478502
Central African Republic	2011	0.601359	0.479995
Central African Republic	2012	0.604953	0.483166
Central African Republic	2013	0.609224	0.485905
Central African Republic	2014	0.609242	0.485843
Central African Republic	2015	0.606339	0.484164

Central African Republic	2016	0.601069	0.48213
Central African Republic	2017	0.596947	0.480092
Central African Republic	2018	0.594318	0.478991
Central African Republic	2019	0.592694	0.479463
Chad	1990	0.834872	0.761775
Chad	1991	0.821838	0.752272
Chad	1992	0.80896	0.744471
Chad	1993	0.792107	0.732762
Chad	1994	0.769123	0.714465
Chad	1995	0.753542	0.702173
Chad	1996	0.731651	0.68299
Chad	1997	0.713377	0.666729
Chad	1998	0.700701	0.655117
Chad	1999	0.682246	0.638162
Chad	2000	0.669872	0.626096
Chad	2001	0.662084	0.61966
Chad	2002	0.65693	0.616713
Chad	2003	0.654422	0.618421
Chad	2004	0.644129	0.613396
Chad	2005	0.63571	0.610532
Chad	2006	0.628836	0.607959
Chad	2007	0.622864	0.607788
Chad	2008	0.614477	0.605515
Chad	2009	0.603446	0.603535
Chad	2010	0.597793	0.602175

Chad	2011	0.591857	0.601036
Chad	2012	0.586086	0.600795
Chad	2013	0.582037	0.600969
Chad	2014	0.578729	0.604162
Chad	2015	0.577133	0.606962
Chad	2016	0.577592	0.611944
Chad	2017	0.579311	0.618026
Chad	2018	0.579088	0.621805
Chad	2019	0.578632	0.626191
Chile	1990	0.975267	0.789928
Chile	1991	1.004222	0.810795
Chile	1992	1.03789	0.832208
Chile	1993	1.027902	0.817282
Chile	1994	1.024455	0.811473
Chile	1995	1.007339	0.788872
Chile	1996	0.980229	0.755604
Chile	1997	0.99706	0.765156
Chile	1998	1.032587	0.788071
Chile	1999	1.05249	0.799165
Chile	2000	1.06127	0.804204
Chile	2001	1.073648	0.813752
Chile	2002	1.076179	0.809961
Chile	2003	1.080699	0.808243
Chile	2004	1.09034	0.810053
Chile	2005	1.098112	0.812524

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Chile	2006	1.101727	0.813429
Chile	2007	1.099118	0.810954
Chile	2008	1.101981	0.816507
Chile	2009	1.087498	0.804882
Chile	2010	1.090558	0.803135
Chile	2011	1.106878	0.813052
Chile	2012	1.114865	0.818805
Chile	2013	1.110409	0.816162
Chile	2014	1.0971	0.804446
Chile	2015	1.100775	0.805611
Chile	2016	1.103035	0.806088
Chile	2017	1.114846	0.814555
Chile	2018	1.11631	0.815553
Chile	2019	1.114836	0.814624
China	1990	0.967823	0.814115
China	1991	0.958559	0.806344
China	1992	0.957942	0.80596
China	1993	0.964164	0.811179
China	1994	0.973764	0.813081
China	1995	0.959877	0.800819
China	1996	0.957836	0.79771
China	1997	0.962476	0.799933
China	1998	0.959408	0.790422
China	1999	0.962405	0.793427
China	2000	0.96278	0.800564

China	2001	0.950333	0.789064
China	2002	0.932042	0.776288
China	2003	0.921262	0.772159
China	2004	0.906997	0.757937
China	2005	0.88725	0.735528
China	2006	0.897301	0.739151
China	2007	0.892122	0.729779
China	2008	0.88588	0.720897
China	2009	0.880109	0.711189
China	2010	0.877856	0.705003
China	2011	0.877119	0.697836
China	2012	0.854498	0.672527
China	2013	0.849703	0.664253
China	2014	0.845928	0.661064
China	2015	0.836498	0.650847
China	2016	0.840203	0.651806
China	2017	0.858599	0.666526
China	2018	0.878564	0.683378
China	2019	0.887628	0.688388
Colombia	1990	0.92605	0.87332
Colombia	1991	0.88317	0.835151
Colombia	1992	0.881827	0.827676
Colombia	1993	0.897087	0.835138
Colombia	1994	0.897415	0.830507
Colombia	1995	0.883693	0.818259

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Colombia	1996	0.860237	0.790636
Colombia	1997	0.876126	0.798379
Colombia	1998	0.887859	0.799727
Colombia	1999	0.863474	0.772837
Colombia	2000	0.849005	0.755909
Colombia	2001	0.850541	0.749405
Colombia	2002	0.737513	0.644557
Colombia	2003	0.823671	0.713566
Colombia	2004	0.815959	0.70425
Colombia	2005	0.846694	0.725794
Colombia	2006	0.823752	0.702385
Colombia	2007	0.834971	0.708499
Colombia	2008	0.821626	0.69362
Colombia	2009	0.771829	0.648857
Colombia	2010	0.78163	0.652348
Colombia	2011	0.791119	0.65474
Colombia	2012	0.786915	0.647334
Colombia	2013	0.795163	0.650472
Colombia	2014	0.847073	0.690264
Colombia	2015	0.832346	0.676081
Colombia	2016	0.829521	0.671116
Colombia	2017	0.828961	0.667807
Colombia	2018	0.843668	0.676432
Colombia	2019	0.843713	0.675001
Comoros	1990	0.733786	0.662082

Comoros	1991	0.7402	0.663758
Comoros	1992	0.745905	0.664646
Comoros	1993	0.757544	0.670189
Comoros	1994	0.766249	0.672645
Comoros	1995	0.775972	0.676143
Comoros	1996	0.789989	0.682161
Comoros	1997	0.802756	0.68778
Comoros	1998	0.828547	0.704046
Comoros	1999	0.860904	0.725442
Comoros	2000	0.88092	0.738351
Comoros	2001	0.907113	0.756097
Comoros	2002	0.917167	0.761638
Comoros	2003	0.939988	0.777236
Comoros	2004	0.947701	0.781221
Comoros	2005	0.953186	0.787593
Comoros	2006	0.96207	0.788326
Comoros	2007	0.950667	0.783126
Comoros	2008	0.954273	0.785029
Comoros	2009	0.965166	0.788867
Comoros	2010	0.983476	0.796443
Comoros	2011	0.986429	0.798943
Comoros	2012	0.993435	0.803484
Comoros	2013	0.994148	0.805074
Comoros	2014	0.99033	0.809445
Comoros	2015	0.995551	0.813129



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Comoros	2016	1.000726	0.815787
Comoros	2017	1.006585	0.819901
Comoros	2018	1.010868	0.821308
Comoros	2019	1.012969	0.822834
Congo	1990	0.751571	0.620385
Congo	1991	0.757008	0.620743
Congo	1992	0.751454	0.61207
Congo	1993	0.767738	0.621074
Congo	1994	0.793581	0.640092
Congo	1995	0.807649	0.649302
Congo	1996	0.843536	0.675503
Congo	1997	0.849181	0.678751
Congo	1998	0.861181	0.681345
Congo	1999	0.873966	0.688289
Congo	2000	0.887117	0.693063
Congo	2001	0.894852	0.695199
Congo	2002	0.91501	0.707194
Congo	2003	0.938097	0.727745
Congo	2004	0.965721	0.749928
Congo	2005	0.999334	0.777948
Congo	2006	1.01017	0.790931
Congo	2007	1.01219	0.799437
Congo	2008	1.011191	0.805224
Congo	2009	1.001536	0.805305
Congo	2010	1.005744	0.814986

Congo	2011	0.995978	0.812365
Congo	2012	0.976587	0.809515
Congo	2013	0.96994	0.812844
Congo	2014	0.962707	0.814701
Congo	2015	0.950028	0.810594
Congo	2016	0.936194	0.807464
Congo	2017	0.929756	0.808413
Congo	2018	0.918173	0.804938
Congo	2019	0.907093	0.801955
Cook Islands	1990	0.731273	0.737078
Cook Islands	1991	0.714071	0.722799
Cook Islands	1992	0.703288	0.713012
Cook Islands	1993	0.694466	0.703081
Cook Islands	1994	0.691835	0.697671
Cook Islands	1995	0.690798	0.693392
Cook Islands	1996	0.692286	0.692624
Cook Islands	1997	0.691053	0.690664
Cook Islands	1998	0.687318	0.687769
Cook Islands	1999	0.678993	0.681139
Cook Islands	2000	0.670422	0.674048
Cook Islands	2001	0.676639	0.680259
Cook Islands	2002	0.677434	0.678221
Cook Islands	2003	0.672888	0.667111
Cook Islands	2004	0.672924	0.657395
Cook Islands	2005	0.660459	0.636278

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Cook Islands	2006	0.662874	0.630598
Cook Islands	2007	0.655072	0.618395
Cook Islands	2008	0.655387	0.615491
Cook Islands	2009	0.660637	0.619082
Cook Islands	2010	0.662691	0.621673
Cook Islands	2011	0.64694	0.607209
Cook Islands	2012	0.643794	0.603641
Cook Islands	2013	0.648095	0.605316
Cook Islands	2014	0.648776	0.602425
Cook Islands	2015	0.646748	0.597015
Cook Islands	2016	0.64459	0.590916
Cook Islands	2017	0.657328	0.598123
Cook Islands	2018	0.665537	0.601679
Cook Islands	2019	0.673095	0.605095
Costa Rica	1990	0.842686	0.780245
Costa Rica	1991	0.846408	0.779555
Costa Rica	1992	0.801387	0.735808
Costa Rica	1993	0.822401	0.751924
Costa Rica	1994	0.818493	0.744542
Costa Rica	1995	0.809652	0.735454
Costa Rica	1996	0.823017	0.742523
Costa Rica	1997	0.81881	0.739022
Costa Rica	1998	0.833152	0.75157
Costa Rica	1999	0.772513	0.695838
Costa Rica	2000	0.772973	0.691908

Costa Rica	2001	0.792404	0.706965
Costa Rica	2002	0.785335	0.698226
Costa Rica	2003	0.789385	0.699126
Costa Rica	2004	0.775158	0.685789
Costa Rica	2005	0.823794	0.726354
Costa Rica	2006	0.794886	0.69863
Costa Rica	2007	0.804319	0.704393
Costa Rica	2008	0.802687	0.700785
Costa Rica	2009	0.824271	0.715522
Costa Rica	2010	0.752826	0.65028
Costa Rica	2011	0.779381	0.666415
Costa Rica	2012	0.797407	0.675406
Costa Rica	2013	0.796876	0.669869
Costa Rica	2014	0.79033	0.658754
Costa Rica	2015	0.788694	0.653029
Costa Rica	2016	0.795657	0.658021
Costa Rica	2017	0.805902	0.664662
Costa Rica	2018	0.785138	0.644119
Costa Rica	2019	0.794065	0.647561
Croatia	1990	1.120185	0.65127
Croatia	1991	1.125968	0.653247
Croatia	1992	1.121772	0.655144
Croatia	1993	1.111291	0.645602
Croatia	1994	1.121473	0.65099
Croatia	1995	1.139708	0.659749

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Croatia	1996	1.161451	0.665951
Croatia	1997	1.152629	0.651192
Croatia	1998	1.166428	0.64639
Croatia	1999	1.196099	0.654948
Croatia	2000	1.216367	0.660369
Croatia	2001	1.220003	0.655333
Croatia	2002	1.248965	0.670539
Croatia	2003	1.232678	0.662375
Croatia	2004	1.28712	0.691856
Croatia	2005	1.241395	0.66823
Croatia	2006	1.256257	0.676099
Croatia	2007	1.282833	0.69208
Croatia	2008	1.256338	0.68161
Croatia	2009	1.257667	0.683845
Croatia	2010	1.318366	0.725261
Croatia	2011	1.290008	0.714134
Croatia	2012	1.250825	0.693977
Croatia	2013	1.318069	0.727072
Croatia	2014	1.304176	0.721959
Croatia	2015	1.322415	0.740471
Croatia	2016	1.287002	0.722383
Croatia	2017	1.265466	0.716749
Croatia	2018	1.256311	0.71655
Croatia	2019	1.242454	0.714384
Cuba	1990	0.727847	0.702803

Cuba	1991	0.724469	0.694605
Cuba	1992	0.729795	0.694633
Cuba	1993	0.720995	0.682637
Cuba	1994	0.70017	0.659501
Cuba	1995	0.738602	0.691371
Cuba	1996	0.766014	0.714588
Cuba	1997	0.765753	0.712793
Cuba	1998	0.800248	0.743681
Cuba	1999	0.812952	0.753939
Cuba	2000	0.881295	0.814171
Cuba	2001	0.959164	0.883325
Cuba	2002	0.988012	0.90707
Cuba	2003	1.02399	0.936121
Cuba	2004	1.061575	0.965081
Cuba	2005	1.074199	0.973171
Cuba	2006	1.080161	0.975409
Cuba	2007	1.094049	0.985931
Cuba	2008	1.115955	1.001873
Cuba	2009	1.088237	0.972591
Cuba	2010	1.080138	0.961158
Cuba	2011	1.104658	0.980563
Cuba	2012	1.059809	0.939556
Cuba	2013	1.057449	0.934553
Cuba	2014	1.045602	0.920903
Cuba	2015	1.024565	0.900839

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Cuba	2016	0.999353	0.875106
Cuba	2017	0.976223	0.851947
Cuba	2018	0.979438	0.850798
Cuba	2019	0.984318	0.851479
Cyprus	1990	0.973492	0.995284
Cyprus	1991	0.870799	0.852337
Cyprus	1992	0.836617	0.776383
Cyprus	1993	0.865602	0.768364
Cyprus	1994	0.894084	0.769336
Cyprus	1995	0.884558	0.755664
Cyprus	1996	0.850063	0.727604
Cyprus	1997	0.836166	0.718292
Cyprus	1998	0.862069	0.738631
Cyprus	1999	0.890677	0.7614
Cyprus	2000	0.839486	0.709185
Cyprus	2001	0.828953	0.682359
Cyprus	2002	0.831988	0.672456
Cyprus	2003	0.888021	0.684125
Cyprus	2004	0.889668	0.677149
Cyprus	2005	0.883011	0.659401
Cyprus	2006	0.876697	0.632202
Cyprus	2007	0.867611	0.61137
Cyprus	2008	0.874585	0.601709
Cyprus	2009	0.842293	0.542734
Cyprus	2010	0.842268	0.527126

Cyprus	2011	0.902202	0.551805
Cyprus	2012	0.932618	0.566257
Cyprus	2013	0.954078	0.588914
Cyprus	2014	0.981005	0.618201
Cyprus	2015	0.972019	0.633882
Cyprus	2016	0.994398	0.701614
Cyprus	2017	1.049295	0.817407
Cyprus	2018	1.005187	0.80001
Cyprus	2019	0.963696	0.782896
Czechia	1990	1.016176	0.624468
Czechia	1991	1.092255	0.665403
Czechia	1992	1.114824	0.676432
Czechia	1993	1.165005	0.705793
Czechia	1994	1.161923	0.705491
Czechia	1995	1.221828	0.746068
Czechia	1996	1.210004	0.738504
Czechia	1997	1.2386	0.75613
Czechia	1998	1.243416	0.755395
Czechia	1999	1.216241	0.737046
Czechia	2000	1.251442	0.756081
Czechia	2001	1.23813	0.748034
Czechia	2002	1.232174	0.737573
Czechia	2003	1.2408	0.740963
Czechia	2004	1.219882	0.723872
Czechia	2005	1.260818	0.743677



Czechia	2006	1.263043	0.740681
Czechia	2007	1.254411	0.738889
Czechia	2008	1.2398	0.735183
Czechia	2009	1.218698	0.726824
Czechia	2010	1.206849	0.719868
Czechia	2011	1.208496	0.722033
Czechia	2012	1.210538	0.724006
Czechia	2013	1.220183	0.728389
Czechia	2014	1.220982	0.727287
Czechia	2015	1.22085	0.726128
Czechia	2016	1.216345	0.725895
Czechia	2017	1.174381	0.703135
Czechia	2018	1.163977	0.704178
Czechia	2019	1.15844	0.708733
C ɔ te d'Ivoire	1990	0.608796	0.660555
C ɔ te d'Ivoire	1991	0.595623	0.644126
C ɔ te d'Ivoire	1992	0.578152	0.627977
C ɔ te d'Ivoire	1993	0.56919	0.618807
C ɔ te d'Ivoire	1994	0.557509	0.606066
C ɔ te d'Ivoire	1995	0.549824	0.596539
C ɔ te d'Ivoire	1996	0.548132	0.592989
C ɔ te d'Ivoire	1997	0.552384	0.594317
C ɔ te d'Ivoire	1998	0.559997	0.597753
C ɔ te d'Ivoire	1999	0.564649	0.599111
C ɔ te d'Ivoire	2000	0.571707	0.601928

C 么 te d'Ivoire	2001	0.585033	0.608489
C 么 te d'Ivoire	2002	0.595451	0.615232
C 么 te d'Ivoire	2003	0.602649	0.618669
C 么 te d'Ivoire	2004	0.604192	0.619534
C 么 te d'Ivoire	2005	0.613897	0.625708
C 么 te d'Ivoire	2006	0.622914	0.631968
C 么 te d'Ivoire	2007	0.625933	0.632453
C 么 te d'Ivoire	2008	0.630376	0.635391
C 么 te d'Ivoire	2009	0.632111	0.63704
C 么 te d'Ivoire	2010	0.629477	0.635272
C 么 te d'Ivoire	2011	0.627319	0.633461
C 么 te d'Ivoire	2012	0.625624	0.632268
C 么 te d'Ivoire	2013	0.623281	0.631079
C 么 te d'Ivoire	2014	0.62667	0.635978
C 么 te d'Ivoire	2015	0.631361	0.641248
C 么 te d'Ivoire	2016	0.635046	0.64627
C 么 te d'Ivoire	2017	0.637611	0.650224
C 么 te d'Ivoire	2018	0.641324	0.658071
C 么 te d'Ivoire	2019	0.643183	0.663257
Democratic People's Republic of Korea	1990	1.519679	0.93015
Democratic People's Republic of Korea	1991	1.517594	0.928075
Democratic People's Republic of Korea	1992	1.515332	0.925618
Democratic People's Republic of Korea	1993	1.511403	0.922131
Democratic People's Republic of Korea	1994	1.508383	0.918629
Democratic People's Republic of Korea	1995	1.50472	0.916326

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Democratic People's Republic of Korea	1996	1.499132	0.914125
Democratic People's Republic of Korea	1997	1.48746	0.907333
Democratic People's Republic of Korea	1998	1.47484	0.898221
Democratic People's Republic of Korea	1999	1.465112	0.889807
Democratic People's Republic of Korea	2000	1.457588	0.883
Democratic People's Republic of Korea	2001	1.449234	0.87407
Democratic People's Republic of Korea	2002	1.439481	0.863734
Democratic People's Republic of Korea	2003	1.428879	0.857005
Democratic People's Republic of Korea	2004	1.420628	0.85164
Democratic People's Republic of Korea	2005	1.413032	0.846354
Democratic People's Republic of Korea	2006	1.408239	0.843679
Democratic People's Republic of Korea	2007	1.404697	0.842011
Democratic People's Republic of Korea	2008	1.404365	0.842973
Democratic People's Republic of Korea	2009	1.405944	0.8431
Democratic People's Republic of Korea	2010	1.404803	0.841923
Democratic People's Republic of Korea	2011	1.398525	0.838881
Democratic People's Republic of Korea	2012	1.386802	0.833673
Democratic People's Republic of Korea	2013	1.371735	0.82762
Democratic People's Republic of Korea	2014	1.353179	0.81921
Democratic People's Republic of Korea	2015	1.335352	0.811898
Democratic People's Republic of Korea	2016	1.318845	0.806027
Democratic People's Republic of Korea	2017	1.307835	0.803468
Democratic People's Republic of Korea	2018	1.299564	0.802576
Democratic People's Republic of Korea	2019	1.295109	0.802939
Democratic Republic of the Congo	1990	0.725667	0.623441

Democratic Republic of the Congo	1991	0.740756	0.629281
Democratic Republic of the Congo	1992	0.75213	0.632608
Democratic Republic of the Congo	1993	0.766523	0.637728
Democratic Republic of the Congo	1994	0.77596	0.638698
Democratic Republic of the Congo	1995	0.783725	0.63836
Democratic Republic of the Congo	1996	0.809876	0.651945
Democratic Republic of the Congo	1997	0.808153	0.642786
Democratic Republic of the Congo	1998	0.825377	0.648066
Democratic Republic of the Congo	1999	0.839514	0.651081
Democratic Republic of the Congo	2000	0.857808	0.657211
Democratic Republic of the Congo	2001	0.880893	0.668343
Democratic Republic of the Congo	2002	0.900827	0.677205
Democratic Republic of the Congo	2003	0.915041	0.684614
Democratic Republic of the Congo	2004	0.928388	0.689952
Democratic Republic of the Congo	2005	0.935923	0.692857
Democratic Republic of the Congo	2006	0.938317	0.693584
Democratic Republic of the Congo	2007	0.934732	0.69219
Democratic Republic of the Congo	2008	0.927033	0.689089
Democratic Republic of the Congo	2009	0.92225	0.687671
Democratic Republic of the Congo	2010	0.913491	0.68321
Democratic Republic of the Congo	2011	0.903043	0.679241
Democratic Republic of the Congo	2012	0.896883	0.678318
Democratic Republic of the Congo	2013	0.889759	0.677695
Democratic Republic of the Congo	2014	0.884106	0.678253
Democratic Republic of the Congo	2015	0.885333	0.681047

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5	Democratic Republic of the Congo	2016	0.883509	0.685571
6	Democratic Republic of the Congo	2017	0.883648	0.690975
7	Democratic Republic of the Congo	2018	0.878558	0.693063
8	Democratic Republic of the Congo	2019	0.876196	0.69748
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10	Denmark	1990	0.914828	0.580452
11	Denmark	1991	0.912012	0.572928
12	Denmark	1992	0.890685	0.554798
13	Denmark	1993	0.87468	0.544928
14	Denmark	1994	0.831742	0.522527
15	Denmark	1995	0.824691	0.520423
16	Denmark	1996	0.81649	0.514111
17	Denmark	1997	0.821561	0.517473
18	Denmark	1998	0.800373	0.502251
19	Denmark	1999	0.798478	0.504149
20	Denmark	2000	0.814684	0.504074
21	Denmark	2001	0.824117	0.502832
22	Denmark	2002	0.839073	0.506498
23	Denmark	2003	0.834985	0.501439
24	Denmark	2004	0.840014	0.504647
25	Denmark	2005	0.859294	0.51366
26	Denmark	2006	0.872854	0.519461
27	Denmark	2007	0.897032	0.531496
28	Denmark	2008	0.907035	0.535438
29	Denmark	2009	0.901804	0.534455
30	Denmark	2010	0.913237	0.543388
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Denmark	2011	0.930847	0.55667
Denmark	2012	0.925529	0.557666
Denmark	2013	0.909819	0.55261
Denmark	2014	0.911329	0.558367
Denmark	2015	0.920682	0.572028
Denmark	2016	0.891396	0.563705
Denmark	2017	0.87517	0.562369
Denmark	2018	0.856567	0.559299
Denmark	2019	0.83897	0.555753
Djibouti	1990	0.63711	0.62949
Djibouti	1991	0.640369	0.623249
Djibouti	1992	0.633152	0.617298
Djibouti	1993	0.612619	0.606712
Djibouti	1994	0.606436	0.600977
Djibouti	1995	0.597126	0.597611
Djibouti	1996	0.591292	0.597983
Djibouti	1997	0.591939	0.603648
Djibouti	1998	0.589677	0.60793
Djibouti	1999	0.591275	0.614159
Djibouti	2000	0.589404	0.615726
Djibouti	2001	0.588645	0.619655
Djibouti	2002	0.588821	0.624743
Djibouti	2003	0.59524	0.632076
Djibouti	2004	0.600295	0.640742
Djibouti	2005	0.604165	0.646974

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Djibouti	2006	0.607081	0.651123
Djibouti	2007	0.59813	0.646241
Djibouti	2008	0.592115	0.644566
Djibouti	2009	0.593195	0.649664
Djibouti	2010	0.596027	0.655453
Djibouti	2011	0.597782	0.661758
Djibouti	2012	0.601631	0.66921
Djibouti	2013	0.607341	0.678561
Djibouti	2014	0.609306	0.685456
Djibouti	2015	0.613572	0.691928
Djibouti	2016	0.616979	0.699061
Djibouti	2017	0.620938	0.707408
Djibouti	2018	0.622501	0.713307
Djibouti	2019	0.623897	0.718761
Dominica	1990	1.022575	0.68341
Dominica	1991	1.030748	0.681536
Dominica	1992	0.966633	0.635319
Dominica	1993	0.955614	0.621836
Dominica	1994	0.967154	0.623203
Dominica	1995	0.971693	0.621751
Dominica	1996	0.982772	0.625897
Dominica	1997	0.995791	0.633172
Dominica	1998	1.014203	0.645226
Dominica	1999	1.07042	0.681689
Dominica	2000	1.106362	0.706969

Dominica	2001	1.133138	0.731554
Dominica	2002	1.144745	0.752951
Dominica	2003	1.130896	0.76167
Dominica	2004	1.100279	0.756289
Dominica	2005	1.098023	0.757618
Dominica	2006	1.097205	0.766254
Dominica	2007	1.086021	0.768361
Dominica	2008	1.059714	0.765443
Dominica	2009	1.039281	0.764358
Dominica	2010	1.017251	0.762748
Dominica	2011	1.00979	0.773488
Dominica	2012	0.988291	0.776944
Dominica	2013	0.972341	0.779038
Dominica	2014	0.951066	0.776249
Dominica	2015	0.929208	0.769479
Dominica	2016	0.924913	0.775782
Dominica	2017	0.916874	0.778058
Dominica	2018	0.909062	0.779735
Dominica	2019	0.902622	0.781262
Dominican Republic	1990	0.792257	0.775078
Dominican Republic	1991	0.813805	0.79193
Dominican Republic	1992	0.834425	0.808714
Dominican Republic	1993	0.867692	0.836164
Dominican Republic	1994	0.831727	0.799803
Dominican Republic	1995	0.788926	0.756014



Dominican Republic	1996	0.750525	0.710374
Dominican Republic	1997	0.727226	0.680711
Dominican Republic	1998	0.704717	0.653237
Dominican Republic	1999	0.655838	0.600255
Dominican Republic	2000	0.667709	0.608755
Dominican Republic	2001	0.683421	0.621056
Dominican Republic	2002	0.672707	0.608319
Dominican Republic	2003	0.688722	0.619241
Dominican Republic	2004	0.716078	0.641397
Dominican Republic	2005	0.748373	0.669059
Dominican Republic	2006	0.755305	0.675231
Dominican Republic	2007	0.762239	0.680346
Dominican Republic	2008	0.776457	0.691661
Dominican Republic	2009	0.795809	0.710386
Dominican Republic	2010	0.808009	0.727011
Dominican Republic	2011	0.795596	0.723439
Dominican Republic	2012	0.780869	0.71514
Dominican Republic	2013	0.77778	0.715245
Dominican Republic	2014	0.790124	0.729196
Dominican Republic	2015	0.802808	0.741573
Dominican Republic	2016	0.815963	0.755204
Dominican Republic	2017	0.835907	0.773302
Dominican Republic	2018	0.852982	0.787151
Dominican Republic	2019	0.867118	0.7988
Ecuador	1990	1.004058	1.011805

Ecuador	1991	0.968923	0.969688
Ecuador	1992	1.003831	0.998713
Ecuador	1993	0.991662	0.981519
Ecuador	1994	0.975175	0.96323
Ecuador	1995	0.969265	0.958788
Ecuador	1996	0.955254	0.945169
Ecuador	1997	0.963522	0.948701
Ecuador	1998	0.952234	0.929045
Ecuador	1999	0.923097	0.898357
Ecuador	2000	0.945688	0.918728
Ecuador	2001	0.850152	0.82902
Ecuador	2002	0.961827	0.929527
Ecuador	2003	1.002522	0.961998
Ecuador	2004	0.951695	0.910259
Ecuador	2005	0.933601	0.891627
Ecuador	2006	0.935124	0.891747
Ecuador	2007	0.923045	0.875347
Ecuador	2008	0.908829	0.848903
Ecuador	2009	0.909745	0.838831
Ecuador	2010	0.905887	0.830621
Ecuador	2011	0.872038	0.795452
Ecuador	2012	0.948539	0.857824
Ecuador	2013	0.954923	0.857567
Ecuador	2014	0.945461	0.846159
Ecuador	2015	0.933084	0.834753

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Ecuador	2016	0.940996	0.838891
Ecuador	2017	0.946693	0.839503
Ecuador	2018	0.958062	0.848115
Ecuador	2019	0.982864	0.871573
Egypt	1990	1.352837	1.300901
Egypt	1991	1.345168	1.317427
Egypt	1992	1.356801	1.35033
Egypt	1993	1.359543	1.369332
Egypt	1994	1.336761	1.356111
Egypt	1995	1.314426	1.347094
Egypt	1996	1.356722	1.410277
Egypt	1997	1.367379	1.441698
Egypt	1998	1.367158	1.459711
Egypt	1999	1.357297	1.482505
Egypt	2000	1.355486	1.547564
Egypt	2001	1.340398	1.572534
Egypt	2002	1.300644	1.537725
Egypt	2003	1.241502	1.444409
Egypt	2004	1.231767	1.42514
Egypt	2005	1.259757	1.48129
Egypt	2006	1.273849	1.56127
Egypt	2007	1.241724	1.559132
Egypt	2008	1.2281	1.558302
Egypt	2009	1.221783	1.566194
Egypt	2010	1.223014	1.588974

Egypt	2011	1.166152	1.543971
Egypt	2012	1.181251	1.56277
Egypt	2013	1.128811	1.5249
Egypt	2014	1.142337	1.587852
Egypt	2015	1.165619	1.642986
Egypt	2016	1.160821	1.652987
Egypt	2017	1.148174	1.63138
Egypt	2018	1.137364	1.622527
Egypt	2019	1.124721	1.598394
El Salvador	1990	0.73088	0.628185
El Salvador	1991	0.70667	0.605372
El Salvador	1992	0.706118	0.602843
El Salvador	1993	0.690439	0.588379
El Salvador	1994	0.691847	0.586128
El Salvador	1995	0.625846	0.525309
El Salvador	1996	0.678738	0.566622
El Salvador	1997	0.642916	0.534002
El Salvador	1998	0.567219	0.466982
El Salvador	1999	0.592851	0.484268
El Salvador	2000	0.547509	0.443736
El Salvador	2001	0.570958	0.459772
El Salvador	2002	0.57284	0.458034
El Salvador	2003	0.540174	0.428803
El Salvador	2004	0.519341	0.408988
El Salvador	2005	0.506918	0.396288

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El Salvador	2006	0.491691	0.381601
El Salvador	2007	0.506517	0.390121
El Salvador	2008	0.5161	0.394159
El Salvador	2009	0.523686	0.396446
El Salvador	2010	0.551921	0.415391
El Salvador	2011	0.554047	0.414798
El Salvador	2012	0.581725	0.432742
El Salvador	2013	0.60464	0.447815
El Salvador	2014	0.563794	0.416177
El Salvador	2015	0.565509	0.415662
El Salvador	2016	0.560112	0.409023
El Salvador	2017	0.573525	0.415772
El Salvador	2018	0.589898	0.425152
El Salvador	2019	0.588189	0.420935
Equatorial Guinea	1990	0.633973	0.475046
Equatorial Guinea	1991	0.643732	0.476437
Equatorial Guinea	1992	0.648953	0.474689
Equatorial Guinea	1993	0.667183	0.482076
Equatorial Guinea	1994	0.685891	0.489868
Equatorial Guinea	1995	0.695666	0.493196
Equatorial Guinea	1996	0.719499	0.505742
Equatorial Guinea	1997	0.726417	0.506651
Equatorial Guinea	1998	0.743037	0.514358
Equatorial Guinea	1999	0.75764	0.522421
Equatorial Guinea	2000	0.771162	0.530608

Equatorial Guinea	2001	0.78625	0.541806
Equatorial Guinea	2002	0.813222	0.560839
Equatorial Guinea	2003	0.844645	0.586309
Equatorial Guinea	2004	0.864957	0.605754
Equatorial Guinea	2005	0.883082	0.624017
Equatorial Guinea	2006	0.89857	0.641249
Equatorial Guinea	2007	0.903298	0.651933
Equatorial Guinea	2008	0.921692	0.668859
Equatorial Guinea	2009	0.937131	0.689382
Equatorial Guinea	2010	0.954428	0.707902
Equatorial Guinea	2011	0.94896	0.713287
Equatorial Guinea	2012	0.934341	0.710454
Equatorial Guinea	2013	0.911668	0.701174
Equatorial Guinea	2014	0.904311	0.702942
Equatorial Guinea	2015	0.913769	0.712517
Equatorial Guinea	2016	0.908977	0.71704
Equatorial Guinea	2017	0.899726	0.715847
Equatorial Guinea	2018	0.895166	0.716091
Equatorial Guinea	2019	0.892762	0.716859
Eritrea	1990	0.677516	0.486014
Eritrea	1991	0.66837	0.481683
Eritrea	1992	0.653672	0.476384
Eritrea	1993	0.635299	0.468895
Eritrea	1994	0.617765	0.463212
Eritrea	1995	0.585629	0.44997

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Eritrea	1996	0.592799	0.455702
Eritrea	1997	0.604464	0.46541
Eritrea	1998	0.622404	0.477271
Eritrea	1999	0.635233	0.488692
Eritrea	2000	0.652666	0.502612
Eritrea	2001	0.672426	0.51557
Eritrea	2002	0.682087	0.528655
Eritrea	2003	0.696141	0.540144
Eritrea	2004	0.706811	0.548242
Eritrea	2005	0.717387	0.555826
Eritrea	2006	0.721666	0.559545
Eritrea	2007	0.726562	0.563659
Eritrea	2008	0.729562	0.567179
Eritrea	2009	0.733471	0.571313
Eritrea	2010	0.736993	0.57369
Eritrea	2011	0.747012	0.581633
Eritrea	2012	0.75857	0.592977
Eritrea	2013	0.770296	0.603493
Eritrea	2014	0.780923	0.612417
Eritrea	2015	0.787631	0.620088
Eritrea	2016	0.794511	0.628143
Eritrea	2017	0.800615	0.636744
Eritrea	2018	0.801815	0.641395
Eritrea	2019	0.803849	0.647501
Estonia	1990	1.274667	0.544356

Estonia	1991	1.290002	0.556613
Estonia	1992	1.239721	0.541388
Estonia	1993	1.200974	0.542798
Estonia	1994	1.151173	0.550592
Estonia	1995	1.128166	0.54486
Estonia	1996	1.176935	0.562217
Estonia	1997	1.14876	0.552321
Estonia	1998	1.1261	0.544524
Estonia	1999	1.166972	0.555235
Estonia	2000	1.255561	0.597795
Estonia	2001	1.252541	0.599208
Estonia	2002	1.205019	0.568907
Estonia	2003	1.249495	0.580201
Estonia	2004	1.197993	0.548705
Estonia	2005	1.175965	0.531529
Estonia	2006	1.137999	0.513165
Estonia	2007	1.110521	0.499568
Estonia	2008	1.187032	0.526966
Estonia	2009	1.18254	0.520329
Estonia	2010	1.25962	0.543306
Estonia	2011	1.367921	0.587629
Estonia	2012	1.43354	0.605071
Estonia	2013	1.638015	0.678218
Estonia	2014	1.681019	0.688145
Estonia	2015	1.90245	0.76673



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Estonia	2016	1.966618	0.787203
Estonia	2017	1.978323	0.797514
Estonia	2018	1.945837	0.792401
Estonia	2019	1.91689	0.789282
Eswatini	1990	0.643432	0.445885
Eswatini	1991	0.655902	0.454929
Eswatini	1992	0.663034	0.459787
Eswatini	1993	0.659477	0.458163
Eswatini	1994	0.641934	0.450227
Eswatini	1995	0.629765	0.446376
Eswatini	1996	0.592986	0.428342
Eswatini	1997	0.575288	0.419633
Eswatini	1998	0.56769	0.418709
Eswatini	1999	0.58138	0.430021
Eswatini	2000	0.615204	0.455989
Eswatini	2001	0.622836	0.464538
Eswatini	2002	0.648366	0.482734
Eswatini	2003	0.645587	0.482052
Eswatini	2004	0.637776	0.475359
Eswatini	2005	0.637936	0.473051
Eswatini	2006	0.619484	0.459317
Eswatini	2007	0.596666	0.442398
Eswatini	2008	0.56799	0.420904
Eswatini	2009	0.549777	0.405457
Eswatini	2010	0.532729	0.390103

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5	Eswatini	2011	0.519468	0.377501
6	Eswatini	2012	0.512695	0.369766
7	Eswatini	2013	0.511534	0.36584
8	Eswatini	2014	0.513582	0.364059
9	Eswatini	2015	0.512443	0.360656
10	Eswatini	2016	0.510467	0.35706
11	Eswatini	2017	0.514681	0.357329
12	Eswatini	2018	0.519338	0.357931
13	Eswatini	2019	0.524167	0.358968
14	Ethiopia	1990	0.720756	0.703844
15	Ethiopia	1991	0.715509	0.706314
16	Ethiopia	1992	0.718831	0.717897
17	Ethiopia	1993	0.720067	0.728498
18	Ethiopia	1994	0.721361	0.73772
19	Ethiopia	1995	0.720699	0.743548
20	Ethiopia	1996	0.720125	0.749094
21	Ethiopia	1997	0.718258	0.753969
22	Ethiopia	1998	0.724515	0.767056
23	Ethiopia	1999	0.728246	0.775891
24	Ethiopia	2000	0.71538	0.766805
25	Ethiopia	2001	0.705973	0.758366
26	Ethiopia	2002	0.699858	0.754009
27	Ethiopia	2003	0.692711	0.749821
28	Ethiopia	2004	0.689158	0.749999
29	Ethiopia	2005	0.690604	0.752846
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Ethiopia	2006	0.682452	0.745788
Ethiopia	2007	0.671544	0.734216
Ethiopia	2008	0.659778	0.722532
Ethiopia	2009	0.65182	0.715305
Ethiopia	2010	0.643618	0.708825
Ethiopia	2011	0.641285	0.705564
Ethiopia	2012	0.633994	0.697198
Ethiopia	2013	0.62824	0.691475
Ethiopia	2014	0.626243	0.687038
Ethiopia	2015	0.625936	0.68562
Ethiopia	2016	0.629331	0.686995
Ethiopia	2017	0.638242	0.693243
Ethiopia	2018	0.645523	0.699145
Ethiopia	2019	0.651966	0.705008
Fiji	1990	0.73655	0.628208
Fiji	1991	0.723556	0.608009
Fiji	1992	0.714756	0.592527
Fiji	1993	0.705691	0.578871
Fiji	1994	0.69546	0.563871
Fiji	1995	0.691654	0.557138
Fiji	1996	0.700723	0.561307
Fiji	1997	0.704771	0.562422
Fiji	1998	0.706182	0.563969
Fiji	1999	0.687221	0.548343
Fiji	2000	0.689676	0.54438

Fiji	2001	0.674743	0.523954
Fiji	2002	0.714503	0.533768
Fiji	2003	0.766211	0.56517
Fiji	2004	0.772718	0.564366
Fiji	2005	0.738173	0.546633
Fiji	2006	0.729158	0.534349
Fiji	2007	0.744471	0.528667
Fiji	2008	0.779592	0.571697
Fiji	2009	0.799191	0.589837
Fiji	2010	0.774052	0.569211
Fiji	2011	0.744256	0.551047
Fiji	2012	0.721319	0.541473
Fiji	2013	0.719478	0.54105
Fiji	2014	0.721526	0.53809
Fiji	2015	0.728084	0.540392
Fiji	2016	0.734806	0.543516
Fiji	2017	0.741654	0.545391
Fiji	2018	0.748133	0.547693
Fiji	2019	0.754193	0.549577
Finland	1990	1.369762	0.651588
Finland	1991	1.404089	0.664806
Finland	1992	1.447397	0.683359
Finland	1993	1.473253	0.693502
Finland	1994	1.479108	0.699452
Finland	1995	1.437902	0.685172

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5	Finland	1996	1.4051	0.675676
6	Finland	1997	1.369332	0.663419
7	Finland	1998	1.273109	0.620794
8	Finland	1999	1.23956	0.605483
9	Finland	2000	1.255896	0.613356
10	Finland	2001	1.225525	0.599665
11	Finland	2002	1.211362	0.593411
12	Finland	2003	1.235058	0.606439
13	Finland	2004	1.240611	0.615839
14	Finland	2005	1.268837	0.630773
15	Finland	2006	1.315871	0.655994
16	Finland	2007	1.334793	0.667858
17	Finland	2008	1.346856	0.675729
18	Finland	2009	1.349785	0.681902
19	Finland	2010	1.368822	0.693519
20	Finland	2011	1.41426	0.719419
21	Finland	2012	1.442101	0.737073
22	Finland	2013	1.456253	0.75094
23	Finland	2014	1.463376	0.761748
24	Finland	2015	1.504316	0.790889
25	Finland	2016	1.486986	0.792614
26	Finland	2017	1.435595	0.779339
27	Finland	2018	1.41599	0.781929
28	Finland	2019	1.386159	0.777876
29	France	1990	1.124202	0.523527
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5	France	1991	1.122316	0.524504
6	France	1992	1.12034	0.524787
7	France	1993	1.117802	0.526191
8	France	1994	1.118268	0.528797
9	France	1995	1.112993	0.527024
10	France	1996	1.101909	0.522307
11	France	1997	1.105504	0.522596
12	France	1998	1.107177	0.530535
13	France	1999	1.10903	0.534938
14	France	2000	1.107854	0.537168
15	France	2001	1.110105	0.543565
16	France	2002	1.102	0.545481
17	France	2003	1.084393	0.542172
18	France	2004	1.077414	0.54228
19	France	2005	1.06193	0.535116
20	France	2006	1.067723	0.539183
21	France	2007	1.075779	0.545688
22	France	2008	1.090466	0.555471
23	France	2009	1.07957	0.551918
24	France	2010	1.086085	0.553398
25	France	2011	1.095191	0.55705
26	France	2012	1.104754	0.562202
27	France	2013	1.102879	0.564467
28	France	2014	1.10743	0.570799
29	France	2015	1.089102	0.563704
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France	2016	1.076047	0.555978
France	2017	1.062053	0.548646
France	2018	1.078987	0.558974
France	2019	1.072237	0.558669
Gabon	1990	0.663018	0.510695
Gabon	1991	0.671655	0.519702
Gabon	1992	0.671388	0.52192
Gabon	1993	0.685336	0.532449
Gabon	1994	0.707166	0.549661
Gabon	1995	0.711069	0.555824
Gabon	1996	0.747609	0.582971
Gabon	1997	0.769173	0.598567
Gabon	1998	0.796265	0.617671
Gabon	1999	0.831864	0.641644
Gabon	2000	0.848369	0.653986
Gabon	2001	0.876541	0.676621
Gabon	2002	0.887885	0.685029
Gabon	2003	0.917659	0.709144
Gabon	2004	0.940511	0.72639
Gabon	2005	0.941471	0.727273
Gabon	2006	0.957229	0.739157
Gabon	2007	0.939534	0.730543
Gabon	2008	0.943992	0.736346
Gabon	2009	0.937137	0.731371
Gabon	2010	0.928266	0.72189

Gabon	2011	0.931747	0.725053
Gabon	2012	0.920242	0.718091
Gabon	2013	0.907997	0.709801
Gabon	2014	0.913089	0.712937
Gabon	2015	0.921649	0.71807
Gabon	2016	0.920729	0.721385
Gabon	2017	0.921713	0.725495
Gabon	2018	0.922917	0.729617
Gabon	2019	0.923103	0.73276
Gambia	1990	0.755805	0.755747
Gambia	1991	0.756823	0.756088
Gambia	1992	0.758184	0.75924
Gambia	1993	0.758936	0.757261
Gambia	1994	0.755326	0.750572
Gambia	1995	0.753686	0.753222
Gambia	1996	0.751364	0.743599
Gambia	1997	0.749738	0.739091
Gambia	1998	0.750354	0.73916
Gambia	1999	0.743484	0.732456
Gambia	2000	0.74646	0.72468
Gambia	2001	0.746679	0.717698
Gambia	2002	0.747766	0.711503
Gambia	2003	0.752355	0.712861
Gambia	2004	0.755842	0.713817
Gambia	2005	0.755955	0.71042



Gambia	2006	0.757416	0.705952
Gambia	2007	0.75523	0.700773
Gambia	2008	0.754458	0.692666
Gambia	2009	0.752537	0.689476
Gambia	2010	0.753068	0.686471
Gambia	2011	0.755772	0.679598
Gambia	2012	0.759236	0.680795
Gambia	2013	0.756697	0.679521
Gambia	2014	0.763619	0.690755
Gambia	2015	0.769482	0.692325
Gambia	2016	0.773885	0.699811
Gambia	2017	0.778738	0.706126
Gambia	2018	0.781179	0.70658
Gambia	2019	0.783745	0.708702
Georgia	1990	0.890262	0.542133
Georgia	1991	0.872831	0.536789
Georgia	1992	0.850246	0.525619
Georgia	1993	0.863035	0.531854
Georgia	1994	0.862277	0.535854
Georgia	1995	0.840688	0.527101
Georgia	1996	0.842497	0.532042
Georgia	1997	0.82724	0.521857
Georgia	1998	0.793438	0.501139
Georgia	1999	0.801938	0.500857
Georgia	2000	0.879865	0.543389

Georgia	2001	0.899387	0.565607
Georgia	2002	0.884306	0.551759
Georgia	2003	0.910865	0.563177
Georgia	2004	0.933848	0.577696
Georgia	2005	0.978952	0.607314
Georgia	2006	0.962763	0.605212
Georgia	2007	0.930799	0.599638
Georgia	2008	0.915016	0.592516
Georgia	2009	0.943313	0.605152
Georgia	2010	0.947623	0.596383
Georgia	2011	0.95614	0.599604
Georgia	2012	0.978096	0.606573
Georgia	2013	1.014494	0.623579
Georgia	2014	0.991503	0.604425
Georgia	2015	0.965315	0.584449
Georgia	2016	0.950849	0.575343
Georgia	2017	0.947486	0.573143
Georgia	2018	0.940168	0.571439
Georgia	2019	0.93624	0.569532
Germany	1990	1.487969	0.738576
Germany	1991	1.466275	0.722103
Germany	1992	1.461023	0.715904
Germany	1993	1.449296	0.70554
Germany	1994	1.444447	0.697681
Germany	1995	1.444922	0.689009

Germany	1996	1.453565	0.686347
Germany	1997	1.483836	0.696893
Germany	1998	1.514594	0.710752
Germany	1999	1.533725	0.718637
Germany	2000	1.553591	0.722254
Germany	2001	1.573124	0.730431
Germany	2002	1.582824	0.736649
Germany	2003	1.574148	0.73842
Germany	2004	1.599898	0.756378
Germany	2005	1.612897	0.768233
Germany	2006	1.602888	0.772032
Germany	2007	1.593446	0.782936
Germany	2008	1.578264	0.792426
Germany	2009	1.556308	0.796146
Germany	2010	1.52725	0.787571
Germany	2011	1.537922	0.783764
Germany	2012	1.527116	0.781158
Germany	2013	1.517234	0.781468
Germany	2014	1.517122	0.78274
Germany	2015	1.509834	0.785566
Germany	2016	1.518061	0.798449
Germany	2017	1.476666	0.804041
Germany	2018	1.444126	0.80565
Germany	2019	1.416778	0.808654
Ghana	1990	1.389388	1.181071

Ghana	1991	1.395297	1.186086
Ghana	1992	1.406856	1.198388
Ghana	1993	1.408088	1.203505
Ghana	1994	1.396314	1.196408
Ghana	1995	1.382803	1.186929
Ghana	1996	1.372057	1.179342
Ghana	1997	1.34008	1.155532
Ghana	1998	1.304774	1.127515
Ghana	1999	1.250913	1.082697
Ghana	2000	1.228704	1.061556
Ghana	2001	1.221506	1.049951
Ghana	2002	1.201741	1.027726
Ghana	2003	1.174967	1.001459
Ghana	2004	1.13319	0.962102
Ghana	2005	1.104291	0.932732
Ghana	2006	1.079481	0.906283
Ghana	2007	1.070195	0.892958
Ghana	2008	1.057559	0.875779
Ghana	2009	1.052341	0.864954
Ghana	2010	1.05498	0.860277
Ghana	2011	1.049814	0.85044
Ghana	2012	1.043791	0.839396
Ghana	2013	1.043172	0.832323
Ghana	2014	1.057851	0.837805
Ghana	2015	1.068515	0.839101

Ghana	2016	1.087431	0.848637
Ghana	2017	1.108864	0.860005
Ghana	2018	1.125883	0.868676
Ghana	2019	1.142967	0.877856
Greece	1990	1.161016	0.870098
Greece	1991	1.167773	0.882825
Greece	1992	1.161076	0.883274
Greece	1993	1.161909	0.888873
Greece	1994	1.167579	0.899013
Greece	1995	1.161049	0.897684
Greece	1996	1.147164	0.891019
Greece	1997	1.144252	0.892744
Greece	1998	1.149091	0.900029
Greece	1999	1.119722	0.880614
Greece	2000	1.101564	0.871094
Greece	2001	1.115135	0.886731
Greece	2002	1.140613	0.916072
Greece	2003	1.15732	0.940811
Greece	2004	1.159749	0.955428
Greece	2005	1.163923	0.972318
Greece	2006	1.182637	0.993248
Greece	2007	1.175831	0.97592
Greece	2008	1.190464	0.969062
Greece	2009	1.153453	0.941996
Greece	2010	1.136643	0.928388

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5	Greece	2011	1.105891	0.892206
6	Greece	2012	1.086592	0.867041
7	Greece	2013	1.079777	0.850836
8	Greece	2014	1.04619	0.814348
9	Greece	2015	1.030625	0.789385
10	Greece	2016	1.028167	0.775855
11	Greece	2017	1.037304	0.773643
12	Greece	2018	1.091329	0.802598
13	Greece	2019	1.105053	0.80773
14	Greenland	1990	0.849346	0.693694
15	Greenland	1991	0.859043	0.699506
16	Greenland	1992	0.874645	0.708875
17	Greenland	1993	1.013236	0.83206
18	Greenland	1994	1.037787	0.873406
19	Greenland	1995	1.033608	0.886208
20	Greenland	1996	1.060839	0.925261
21	Greenland	1997	1.091328	0.971297
22	Greenland	1998	1.046899	0.961443
23	Greenland	1999	0.997845	0.942449
24	Greenland	2000	0.94211	0.901702
25	Greenland	2001	0.936488	0.907813
26	Greenland	2002	0.927296	0.904154
27	Greenland	2003	0.835465	0.819147
28	Greenland	2004	0.69175	0.688599
29	Greenland	2005	0.709612	0.700803
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Greenland	2006	0.706598	0.692802
Greenland	2007	0.705793	0.686308
Greenland	2008	0.700539	0.680087
Greenland	2009	0.683503	0.668978
Greenland	2010	0.672699	0.652435
Greenland	2011	0.660619	0.635534
Greenland	2012	0.635943	0.609095
Greenland	2013	0.625224	0.595312
Greenland	2014	0.621571	0.594696
Greenland	2015	0.622625	0.590524
Greenland	2016	0.63024	0.59461
Greenland	2017	0.631927	0.596305
Greenland	2018	0.636475	0.598319
Greenland	2019	0.633015	0.600239
Grenada	1990	0.797821	0.554947
Grenada	1991	0.791908	0.547582
Grenada	1992	0.797965	0.545611
Grenada	1993	0.866844	0.585903
Grenada	1994	0.868726	0.585653
Grenada	1995	0.866269	0.584739
Grenada	1996	0.831677	0.564078
Grenada	1997	0.811707	0.552665
Grenada	1998	0.799312	0.544226
Grenada	1999	0.688282	0.455645
Grenada	2000	0.68774	0.439827

Grenada	2001	0.702495	0.43759
Grenada	2002	0.711655	0.432377
Grenada	2003	0.71962	0.428494
Grenada	2004	0.732755	0.430247
Grenada	2005	0.760413	0.437206
Grenada	2006	0.78936	0.443967
Grenada	2007	0.822661	0.462776
Grenada	2008	0.842693	0.483301
Grenada	2009	0.882412	0.508339
Grenada	2010	0.903844	0.527307
Grenada	2011	0.928404	0.573847
Grenada	2012	1.001204	0.718206
Grenada	2013	0.981917	0.7194
Grenada	2014	0.951772	0.711073
Grenada	2015	0.919374	0.703207
Grenada	2016	0.859129	0.659112
Grenada	2017	0.835568	0.652602
Grenada	2018	0.826236	0.657412
Grenada	2019	0.810856	0.655619
Guam	1990	1.204419	1.189679
Guam	1991	1.208766	1.188058
Guam	1992	1.195287	1.167342
Guam	1993	1.16717	1.105228
Guam	1994	1.107875	1.004316
Guam	1995	1.172072	1.084015



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Guam	1996	1.186921	1.127987
Guam	1997	1.133647	1.085355
Guam	1998	1.1296	1.075936
Guam	1999	1.158874	1.091652
Guam	2000	1.174389	1.100938
Guam	2001	1.203948	1.136096
Guam	2002	1.200842	1.132682
Guam	2003	1.238955	1.160038
Guam	2004	1.113806	1.021279
Guam	2005	0.964523	0.850896
Guam	2006	0.944381	0.819772
Guam	2007	0.929106	0.797947
Guam	2008	0.923572	0.78604
Guam	2009	0.931624	0.788499
Guam	2010	0.940753	0.797387
Guam	2011	0.956968	0.812158
Guam	2012	0.983131	0.836726
Guam	2013	1.004146	0.860112
Guam	2014	1.001106	0.863148
Guam	2015	1.003953	0.86564
Guam	2016	0.994553	0.85511
Guam	2017	1.009881	0.866865
Guam	2018	1.025338	0.885139
Guam	2019	1.062923	0.918484
Guatemala	1990	0.953023	0.953895

Guatemala	1991	0.933729	0.929254
Guatemala	1992	0.92926	0.918512
Guatemala	1993	0.914013	0.90221
Guatemala	1994	0.896312	0.885135
Guatemala	1995	0.890006	0.871973
Guatemala	1996	0.901921	0.86863
Guatemala	1997	0.899852	0.857182
Guatemala	1998	0.872046	0.812846
Guatemala	1999	0.865173	0.791137
Guatemala	2000	0.863256	0.781043
Guatemala	2001	0.820782	0.743524
Guatemala	2002	0.83644	0.740421
Guatemala	2003	0.84415	0.738636
Guatemala	2004	0.843046	0.720606
Guatemala	2005	0.838576	0.707155
Guatemala	2006	0.856915	0.71003
Guatemala	2007	0.868494	0.712748
Guatemala	2008	0.88503	0.714982
Guatemala	2009	0.910003	0.728899
Guatemala	2010	0.930968	0.739534
Guatemala	2011	0.943079	0.746912
Guatemala	2012	0.956022	0.754441
Guatemala	2013	0.95592	0.752758
Guatemala	2014	0.970023	0.757865
Guatemala	2015	0.969041	0.752183

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Guatemala	2016	0.983854	0.758866
Guatemala	2017	0.994562	0.768067
Guatemala	2018	0.99077	0.763013
Guatemala	2019	0.995586	0.764309
Guinea-Bissau	1990	0.748122	0.670412
Guinea-Bissau	1991	0.75664	0.671111
Guinea-Bissau	1992	0.764453	0.671795
Guinea-Bissau	1993	0.770896	0.671429
Guinea-Bissau	1994	0.775841	0.67024
Guinea-Bissau	1995	0.778009	0.667293
Guinea-Bissau	1996	0.781511	0.664792
Guinea-Bissau	1997	0.784534	0.662213
Guinea-Bissau	1998	0.781983	0.655103
Guinea-Bissau	1999	0.773202	0.643304
Guinea-Bissau	2000	0.774928	0.639101
Guinea-Bissau	2001	0.769671	0.63055
Guinea-Bissau	2002	0.776817	0.632411
Guinea-Bissau	2003	0.783424	0.634572
Guinea-Bissau	2004	0.781804	0.630986
Guinea-Bissau	2005	0.777461	0.625183
Guinea-Bissau	2006	0.785814	0.629214
Guinea-Bissau	2007	0.790956	0.63183
Guinea-Bissau	2008	0.789619	0.630173
Guinea-Bissau	2009	0.791031	0.630407
Guinea-Bissau	2010	0.788492	0.627204

Guinea-Bissau	2011	0.780258	0.621232
Guinea-Bissau	2012	0.77979	0.621828
Guinea-Bissau	2013	0.775523	0.619504
Guinea-Bissau	2014	0.781231	0.623934
Guinea-Bissau	2015	0.785211	0.627208
Guinea-Bissau	2016	0.790123	0.632173
Guinea-Bissau	2017	0.794982	0.636694
Guinea-Bissau	2018	0.794557	0.636869
Guinea-Bissau	2019	0.79691	0.639962
Guinea	1990	1.106482	1.06805
Guinea	1991	1.101821	1.062402
Guinea	1992	1.092566	1.051668
Guinea	1993	1.079614	1.036735
Guinea	1994	1.063496	1.018359
Guinea	1995	1.044157	0.994427
Guinea	1996	1.023563	0.970226
Guinea	1997	1.003974	0.94782
Guinea	1998	0.984752	0.924564
Guinea	1999	0.959149	0.894479
Guinea	2000	0.948271	0.875656
Guinea	2001	0.93673	0.86105
Guinea	2002	0.926789	0.848561
Guinea	2003	0.921873	0.840532
Guinea	2004	0.914807	0.83004
Guinea	2005	0.909379	0.821056

Guinea	2006	0.897855	0.809873
Guinea	2007	0.88313	0.797058
Guinea	2008	0.8682	0.784253
Guinea	2009	0.856308	0.774402
Guinea	2010	0.844945	0.765219
Guinea	2011	0.838392	0.761209
Guinea	2012	0.832401	0.75916
Guinea	2013	0.825926	0.757267
Guinea	2014	0.825605	0.761087
Guinea	2015	0.827532	0.766111
Guinea	2016	0.830462	0.774096
Guinea	2017	0.833695	0.783024
Guinea	2018	0.834033	0.789338
Guinea	2019	0.836231	0.796133
Guyana	1990	0.804795	0.730845
Guyana	1991	0.825743	0.745172
Guyana	1992	0.815942	0.730925
Guyana	1993	0.815344	0.715393
Guyana	1994	0.833385	0.730953
Guyana	1995	0.82273	0.725093
Guyana	1996	0.826799	0.72395
Guyana	1997	0.801758	0.710721
Guyana	1998	0.804478	0.710939
Guyana	1999	0.816289	0.717467
Guyana	2000	0.851078	0.75824

Guyana	2001	0.856085	0.770243
Guyana	2002	0.868114	0.792286
Guyana	2003	0.88199	0.808553
Guyana	2004	0.881747	0.805175
Guyana	2005	0.876973	0.799695
Guyana	2006	0.86259	0.785305
Guyana	2007	0.871755	0.796174
Guyana	2008	0.866064	0.79292
Guyana	2009	0.856384	0.776095
Guyana	2010	0.870928	0.791752
Guyana	2011	0.864618	0.787339
Guyana	2012	0.858249	0.769835
Guyana	2013	0.868019	0.754845
Guyana	2014	0.883459	0.756936
Guyana	2015	0.904528	0.783773
Guyana	2016	0.909773	0.785122
Guyana	2017	0.907778	0.779852
Guyana	2018	0.916706	0.792253
Guyana	2019	0.917252	0.792395
Haiti	1990	0.848252	0.694669
Haiti	1991	0.851834	0.699622
Haiti	1992	0.858366	0.705985
Haiti	1993	0.868323	0.715498
Haiti	1994	0.889488	0.733226
Haiti	1995	0.884666	0.730909

Haiti	1996	0.885902	0.73329
Haiti	1997	0.88977	0.737561
Haiti	1998	0.897728	0.746391
Haiti	1999	0.918178	0.763662
Haiti	2000	0.933843	0.777576
Haiti	2001	0.952387	0.793799
Haiti	2002	0.965378	0.805915
Haiti	2003	0.979128	0.818581
Haiti	2004	0.996137	0.833853
Haiti	2005	1.011615	0.848181
Haiti	2006	1.003287	0.843106
Haiti	2007	0.991817	0.835123
Haiti	2008	0.977956	0.825209
Haiti	2009	0.969319	0.818318
Haiti	2010	0.971384	0.814256
Haiti	2011	0.977353	0.812342
Haiti	2012	0.970589	0.807299
Haiti	2013	0.964412	0.801409
Haiti	2014	0.961933	0.797931
Haiti	2015	0.961316	0.795943
Haiti	2016	0.958705	0.793089
Haiti	2017	0.953425	0.7883
Haiti	2018	0.949688	0.78419
Haiti	2019	0.950462	0.784143
Honduras	1990	0.931423	0.792876

Honduras	1991	0.893526	0.757388
Honduras	1992	0.98682	0.839842
Honduras	1993	0.96852	0.824803
Honduras	1994	0.959285	0.818048
Honduras	1995	1.132512	0.982388
Honduras	1996	1.204171	1.080562
Honduras	1997	1.196654	1.084657
Honduras	1998	1.188782	1.087144
Honduras	1999	1.177838	1.086961
Honduras	2000	1.167179	1.085797
Honduras	2001	1.166044	1.09074
Honduras	2002	1.190753	1.118393
Honduras	2003	1.220312	1.149288
Honduras	2004	1.21409	1.147758
Honduras	2005	1.210856	1.145859
Honduras	2006	1.206554	1.142104
Honduras	2007	1.201772	1.137077
Honduras	2008	1.193002	1.129034
Honduras	2009	1.17622	1.114785
Honduras	2010	1.158652	1.099057
Honduras	2011	1.132415	1.071005
Honduras	2012	1.049605	0.966428
Honduras	2013	1.061289	0.964852
Honduras	2014	1.072882	0.964053
Honduras	2015	1.084842	0.9635



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Honduras	2016	1.097255	0.964191
Honduras	2017	1.113633	0.969835
Honduras	2018	1.133398	0.979179
Honduras	2019	1.150707	0.987235
Hungary	1990	1.248905	0.783216
Hungary	1991	1.273197	0.788897
Hungary	1992	1.235009	0.764683
Hungary	1993	1.231176	0.75623
Hungary	1994	1.207315	0.733594
Hungary	1995	1.224856	0.735564
Hungary	1996	1.257931	0.743862
Hungary	1997	1.308379	0.767016
Hungary	1998	1.328475	0.772198
Hungary	1999	1.338323	0.77329
Hungary	2000	1.35984	0.776331
Hungary	2001	1.359909	0.773614
Hungary	2002	1.345923	0.763105
Hungary	2003	1.355023	0.763996
Hungary	2004	1.373922	0.770584
Hungary	2005	1.367215	0.760508
Hungary	2006	1.414381	0.777394
Hungary	2007	1.476528	0.803333
Hungary	2008	1.536635	0.823527
Hungary	2009	1.559169	0.826695
Hungary	2010	1.632679	0.854821

Hungary	2011	1.687514	0.88035
Hungary	2012	1.701139	0.882161
Hungary	2013	1.757902	0.906339
Hungary	2014	1.755502	0.906485
Hungary	2015	1.78418	0.922637
Hungary	2016	1.735478	0.893355
Hungary	2017	1.75693	0.901822
Hungary	2018	1.744163	0.896852
Hungary	2019	1.776262	0.914186
Iceland	1990	0.893067	0.617346
Iceland	1991	0.898833	0.619624
Iceland	1992	0.904815	0.624484
Iceland	1993	0.906251	0.624472
Iceland	1994	0.900378	0.620242
Iceland	1995	0.886218	0.609419
Iceland	1996	0.865607	0.592359
Iceland	1997	0.86581	0.590292
Iceland	1998	0.87148	0.58898
Iceland	1999	0.88968	0.596646
Iceland	2000	0.939133	0.627518
Iceland	2001	0.946968	0.636139
Iceland	2002	0.918585	0.619865
Iceland	2003	0.932633	0.628488
Iceland	2004	0.943794	0.63412
Iceland	2005	0.920771	0.620702

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Iceland	2006	0.875513	0.592684
Iceland	2007	0.828134	0.560027
Iceland	2008	0.813439	0.547711
Iceland	2009	0.797623	0.532781
Iceland	2010	0.792424	0.527124
Iceland	2011	0.797199	0.526861
Iceland	2012	0.781397	0.512562
Iceland	2013	0.816639	0.53432
Iceland	2014	0.891672	0.581795
Iceland	2015	0.868086	0.571245
Iceland	2016	0.841589	0.554825
Iceland	2017	0.799747	0.529264
Iceland	2018	0.791315	0.524633
Iceland	2019	0.793979	0.527376
India	1990	0.67198	0.651392
India	1991	0.664991	0.649046
India	1992	0.677239	0.659893
India	1993	0.668435	0.653609
India	1994	0.664197	0.64799
India	1995	0.665584	0.647018
India	1996	0.664089	0.640755
India	1997	0.665254	0.640588
India	1998	0.672932	0.647828
India	1999	0.667927	0.643606
India	2000	0.650053	0.62195

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5	India	2001	0.648807	0.6203
6	India	2002	0.645959	0.616526
7	India	2003	0.627599	0.596667
8	India	2004	0.61961	0.587071
9	India	2005	0.617428	0.584254
10	India	2006	0.621215	0.591136
11	India	2007	0.62422	0.595923
12	India	2008	0.614686	0.585389
13	India	2009	0.615543	0.579393
14	India	2010	0.627674	0.58403
15	India	2011	0.631651	0.587956
16	India	2012	0.643951	0.600207
17	India	2013	0.668672	0.612078
18	India	2014	0.697766	0.627543
19	India	2015	0.726946	0.655171
20	India	2016	0.727723	0.661042
21	India	2017	0.728097	0.663525
22	India	2018	0.72818	0.659649
23	India	2019	0.732114	0.664084
24	Indonesia	1990	0.904475	0.805626
25	Indonesia	1991	0.89592	0.79993
26	Indonesia	1992	0.891139	0.796224
27	Indonesia	1993	0.896197	0.800503
28	Indonesia	1994	0.901232	0.804676
29	Indonesia	1995	0.910442	0.812309
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Indonesia	1996	0.920734	0.822294
Indonesia	1997	0.925581	0.826452
Indonesia	1998	0.926823	0.827526
Indonesia	1999	0.927296	0.82819
Indonesia	2000	0.921737	0.824503
Indonesia	2001	0.909081	0.815638
Indonesia	2002	0.901911	0.810925
Indonesia	2003	0.900123	0.810677
Indonesia	2004	0.895603	0.807667
Indonesia	2005	0.891928	0.804423
Indonesia	2006	0.887582	0.802247
Indonesia	2007	0.88547	0.801573
Indonesia	2008	0.871184	0.787266
Indonesia	2009	0.857157	0.773813
Indonesia	2010	0.84432	0.761141
Indonesia	2011	0.825542	0.744336
Indonesia	2012	0.794104	0.715721
Indonesia	2013	0.771454	0.694276
Indonesia	2014	0.746281	0.67051
Indonesia	2015	0.731324	0.656279
Indonesia	2016	0.726472	0.653465
Indonesia	2017	0.727428	0.654714
Indonesia	2018	0.726543	0.654163
Indonesia	2019	0.725323	0.653072
Iran (Islamic Republic of)	1990	0.846309	0.884767

Iran (Islamic Republic of)	1991	0.850062	0.895933
Iran (Islamic Republic of)	1992	0.845513	0.897431
Iran (Islamic Republic of)	1993	0.850854	0.909371
Iran (Islamic Republic of)	1994	0.846549	0.911123
Iran (Islamic Republic of)	1995	0.850514	0.921504
Iran (Islamic Republic of)	1996	0.865414	0.943133
Iran (Islamic Republic of)	1997	0.868181	0.951728
Iran (Islamic Republic of)	1998	0.872144	0.960851
Iran (Islamic Republic of)	1999	0.866475	0.958325
Iran (Islamic Republic of)	2000	0.887477	0.985288
Iran (Islamic Republic of)	2001	0.899208	1.00184
Iran (Islamic Republic of)	2002	0.886266	0.98971
Iran (Islamic Republic of)	2003	0.872632	0.974236
Iran (Islamic Republic of)	2004	0.871049	0.970715
Iran (Islamic Republic of)	2005	0.871362	0.967471
Iran (Islamic Republic of)	2006	0.858624	0.948691
Iran (Islamic Republic of)	2007	0.840085	0.919136
Iran (Islamic Republic of)	2008	0.829588	0.900372
Iran (Islamic Republic of)	2009	0.824816	0.888598
Iran (Islamic Republic of)	2010	0.826351	0.879267
Iran (Islamic Republic of)	2011	0.825291	0.871341
Iran (Islamic Republic of)	2012	0.823102	0.865946
Iran (Islamic Republic of)	2013	0.839203	0.883214
Iran (Islamic Republic of)	2014	0.858072	0.903726
Iran (Islamic Republic of)	2015	0.87411	0.919495

Iran (Islamic Republic of)	2016	0.89088	0.937536
Iran (Islamic Republic of)	2017	0.901889	0.949128
Iran (Islamic Republic of)	2018	0.906975	0.953392
Iran (Islamic Republic of)	2019	0.915692	0.961205
Iraq	1990	1.038715	0.921613
Iraq	1991	1.028035	0.91066
Iraq	1992	1.015177	0.901312
Iraq	1993	0.996418	0.884872
Iraq	1994	0.978218	0.864977
Iraq	1995	0.970719	0.857555
Iraq	1996	0.96171	0.847265
Iraq	1997	0.947098	0.832703
Iraq	1998	0.932334	0.819284
Iraq	1999	0.923562	0.811365
Iraq	2000	0.916529	0.805188
Iraq	2001	0.912447	0.800956
Iraq	2002	0.91232	0.799917
Iraq	2003	0.912054	0.799067
Iraq	2004	0.919368	0.806158
Iraq	2005	0.923599	0.808822
Iraq	2006	0.932396	0.814381
Iraq	2007	0.932736	0.812761
Iraq	2008	0.928361	0.808737
Iraq	2009	0.91609	0.797203
Iraq	2010	0.898317	0.779174

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5	Iraq	2011	0.886643	0.769248
6	Iraq	2012	0.873397	0.75733
7	Iraq	2013	0.859141	0.744408
8	Iraq	2014	0.849341	0.734867
9	Iraq	2015	0.848791	0.733316
10	Iraq	2016	0.849734	0.733889
11	Iraq	2017	0.850296	0.733783
12	Iraq	2018	0.838897	0.725088
13	Iraq	2019	0.823535	0.707666
14	Ireland	1990	0.990332	0.642532
15	Ireland	1991	1.01067	0.652745
16	Ireland	1992	1.005023	0.645801
17	Ireland	1993	0.997892	0.639265
18	Ireland	1994	1.016307	0.644885
19	Ireland	1995	1.014649	0.636152
20	Ireland	1996	1.000293	0.620096
21	Ireland	1997	1.020021	0.631417
22	Ireland	1998	1.031917	0.637105
23	Ireland	1999	1.024805	0.629057
24	Ireland	2000	1.008419	0.613226
25	Ireland	2001	1.019148	0.611967
26	Ireland	2002	1.021805	0.615345
27	Ireland	2003	1.021697	0.61487
28	Ireland	2004	1.005065	0.60004
29	Ireland	2005	1.045104	0.620705
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Ireland	2006	1.067788	0.636154
Ireland	2007	1.052256	0.630424
Ireland	2008	1.038694	0.625566
Ireland	2009	1.017066	0.619329
Ireland	2010	1.018538	0.623428
Ireland	2011	1.012795	0.627264
Ireland	2012	0.975791	0.606707
Ireland	2013	0.943072	0.590724
Ireland	2014	0.941779	0.595064
Ireland	2015	0.952201	0.609346
Ireland	2016	0.942132	0.61169
Ireland	2017	0.933334	0.615757
Ireland	2018	0.93453	0.626241
Ireland	2019	0.920745	0.626484
Israel	1990	0.94219	0.786904
Israel	1991	0.919965	0.762573
Israel	1992	0.917957	0.753597
Israel	1993	0.919162	0.74611
Israel	1994	0.919964	0.740401
Israel	1995	0.89525	0.714392
Israel	1996	0.885476	0.706356
Israel	1997	0.869098	0.688093
Israel	1998	0.857361	0.667378
Israel	1999	0.855316	0.658138
Israel	2000	0.841052	0.644188

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5	Israel	2001	0.848966	0.6474
6	Israel	2002	0.849254	0.644365
7	Israel	2003	0.849257	0.639475
8	Israel	2004	0.858922	0.643102
9	Israel	2005	0.861348	0.642839
10	Israel	2006	0.870257	0.648499
11	Israel	2007	0.877613	0.649739
12	Israel	2008	0.887024	0.649546
13	Israel	2009	0.903354	0.655117
14	Israel	2010	0.894466	0.645255
15	Israel	2011	0.916316	0.659221
16	Israel	2012	0.908112	0.649691
17	Israel	2013	0.919164	0.653967
18	Israel	2014	0.917547	0.649284
19	Israel	2015	0.902198	0.636174
20	Israel	2016	0.931438	0.657062
21	Israel	2017	0.929475	0.656012
22	Israel	2018	0.923335	0.653248
23	Israel	2019	0.923192	0.655589
24	Italy	1990	1.090376	0.643927
25	Italy	1991	1.081423	0.637552
26	Italy	1992	1.078447	0.634752
27	Italy	1993	1.088728	0.638461
28	Italy	1994	1.092486	0.639173
29	Italy	1995	1.104435	0.642915
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Italy	1996	1.115154	0.644873
Italy	1997	1.121742	0.644068
Italy	1998	1.130953	0.645348
Italy	1999	1.141682	0.646889
Italy	2000	1.166232	0.654341
Italy	2001	1.182466	0.657137
Italy	2002	1.207321	0.66463
Italy	2003	1.209099	0.6605
Italy	2004	1.216337	0.660522
Italy	2005	1.211844	0.651899
Italy	2006	1.208596	0.644847
Italy	2007	1.210034	0.642825
Italy	2008	1.223902	0.648972
Italy	2009	1.227047	0.651423
Italy	2010	1.241487	0.658229
Italy	2011	1.256087	0.66503
Italy	2012	1.269111	0.672045
Italy	2013	1.262556	0.669897
Italy	2014	1.259651	0.670649
Italy	2015	1.248791	0.665998
Italy	2016	1.241213	0.662825
Italy	2017	1.220767	0.657356
Italy	2018	1.222834	0.665099
Italy	2019	1.210609	0.666333
Jamaica	1990	0.636078	0.518682

Jamaica	1991	0.692646	0.56671
Jamaica	1992	0.687608	0.56459
Jamaica	1993	0.690036	0.566605
Jamaica	1994	0.708948	0.583474
Jamaica	1995	0.731778	0.602656
Jamaica	1996	0.755209	0.621615
Jamaica	1997	0.780986	0.641921
Jamaica	1998	0.780952	0.642028
Jamaica	1999	0.813121	0.665991
Jamaica	2000	0.899106	0.732146
Jamaica	2001	0.899379	0.732191
Jamaica	2002	0.891943	0.735452
Jamaica	2003	0.881381	0.726775
Jamaica	2004	0.900935	0.744511
Jamaica	2005	0.913895	0.76107
Jamaica	2006	0.88166	0.736568
Jamaica	2007	0.74946	0.632214
Jamaica	2008	0.637378	0.539676
Jamaica	2009	0.588224	0.494132
Jamaica	2010	0.715381	0.601316
Jamaica	2011	0.647498	0.544749
Jamaica	2012	0.7813	0.660719
Jamaica	2013	0.79124	0.671617
Jamaica	2014	0.762489	0.646836
Jamaica	2015	0.756701	0.64138

Jamaica	2016	0.739837	0.632018
Jamaica	2017	0.737952	0.631909
Jamaica	2018	0.739624	0.63439
Jamaica	2019	0.76193	0.654431
Japan	1990	1.071062	0.680444
Japan	1991	1.070475	0.67287
Japan	1992	1.076246	0.669168
Japan	1993	1.085941	0.668386
Japan	1994	1.096482	0.668363
Japan	1995	1.098415	0.665185
Japan	1996	1.116045	0.671318
Japan	1997	1.116951	0.666228
Japan	1998	1.100232	0.650244
Japan	1999	1.085048	0.634718
Japan	2000	1.077853	0.623941
Japan	2001	1.078097	0.617512
Japan	2002	1.081282	0.611892
Japan	2003	1.076595	0.602602
Japan	2004	1.086712	0.601979
Japan	2005	1.079257	0.590908
Japan	2006	1.089796	0.590608
Japan	2007	1.081004	0.581309
Japan	2008	1.068997	0.570964
Japan	2009	1.047886	0.557176
Japan	2010	1.039781	0.550218

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5	Japan	2011	1.059746	0.558397
6	Japan	2012	1.071226	0.562936
7	Japan	2013	1.081946	0.568402
8	Japan	2014	1.09023	0.573894
9	Japan	2015	1.09495	0.573838
10	Japan	2016	1.105279	0.578573
11	Japan	2017	1.106388	0.579657
12	Japan	2018	1.120202	0.588741
13	Japan	2019	1.123565	0.592949
14	Jordan	1990	1.243774	1.278353
15	Jordan	1991	1.271979	1.323684
16	Jordan	1992	1.212918	1.282366
17	Jordan	1993	1.233106	1.313997
18	Jordan	1994	1.211054	1.303852
19	Jordan	1995	1.231809	1.332617
20	Jordan	1996	1.284041	1.392659
21	Jordan	1997	1.287126	1.406764
22	Jordan	1998	1.308754	1.439609
23	Jordan	1999	1.333204	1.476799
24	Jordan	2000	1.358915	1.522114
25	Jordan	2001	1.404458	1.596437
26	Jordan	2002	1.427616	1.644192
27	Jordan	2003	1.421953	1.638204
28	Jordan	2004	1.479769	1.729284
29	Jordan	2005	1.497596	1.826894
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Jordan	2006	1.443136	1.794166
Jordan	2007	1.234151	1.483146
Jordan	2008	1.106929	1.285829
Jordan	2009	1.019138	1.165059
Jordan	2010	0.948687	1.067889
Jordan	2011	0.940285	1.066222
Jordan	2012	0.951527	1.102951
Jordan	2013	0.966647	1.159036
Jordan	2014	0.973437	1.182669
Jordan	2015	0.936691	1.117044
Jordan	2016	0.952236	1.138096
Jordan	2017	0.970198	1.166857
Jordan	2018	0.973143	1.154724
Jordan	2019	0.982615	1.164998
Kazakhstan	1990	0.999933	0.671258
Kazakhstan	1991	0.981541	0.660741
Kazakhstan	1992	0.97938	0.666346
Kazakhstan	1993	0.981365	0.670065
Kazakhstan	1994	0.974429	0.669119
Kazakhstan	1995	0.950401	0.661327
Kazakhstan	1996	0.930785	0.656143
Kazakhstan	1997	0.943874	0.664252
Kazakhstan	1998	0.935451	0.657537
Kazakhstan	1999	0.926939	0.650073
Kazakhstan	2000	0.886229	0.629965

Kazakhstan	2001	0.881548	0.629943
Kazakhstan	2002	0.869182	0.618695
Kazakhstan	2003	0.840973	0.59763
Kazakhstan	2004	0.821565	0.586984
Kazakhstan	2005	0.821461	0.589292
Kazakhstan	2006	0.811659	0.58123
Kazakhstan	2007	0.818429	0.578066
Kazakhstan	2008	0.839521	0.583216
Kazakhstan	2009	0.85267	0.585487
Kazakhstan	2010	0.851782	0.57773
Kazakhstan	2011	0.848325	0.564973
Kazakhstan	2012	0.849505	0.555703
Kazakhstan	2013	0.851565	0.5504
Kazakhstan	2014	0.822531	0.523314
Kazakhstan	2015	0.844378	0.529259
Kazakhstan	2016	0.839327	0.522411
Kazakhstan	2017	0.844597	0.520727
Kazakhstan	2018	0.828471	0.515002
Kazakhstan	2019	0.852281	0.536614
Kenya	1990	0.707017	0.669507
Kenya	1991	0.695049	0.65375
Kenya	1992	0.684015	0.637947
Kenya	1993	0.671695	0.620169
Kenya	1994	0.665955	0.607842
Kenya	1995	0.656889	0.59345



Kenya	1996	0.646414	0.578509
Kenya	1997	0.645358	0.571636
Kenya	1998	0.63756	0.559602
Kenya	1999	0.632168	0.549598
Kenya	2000	0.629263	0.542961
Kenya	2001	0.63245	0.542569
Kenya	2002	0.638176	0.545642
Kenya	2003	0.642005	0.548332
Kenya	2004	0.640791	0.547412
Kenya	2005	0.640905	0.546741
Kenya	2006	0.638279	0.544025
Kenya	2007	0.639843	0.544383
Kenya	2008	0.641193	0.544797
Kenya	2009	0.64706	0.549628
Kenya	2010	0.662556	0.562322
Kenya	2011	0.682387	0.578683
Kenya	2012	0.703185	0.596299
Kenya	2013	0.725656	0.615121
Kenya	2014	0.743482	0.63115
Kenya	2015	0.759326	0.646749
Kenya	2016	0.766795	0.655746
Kenya	2017	0.775255	0.665895
Kenya	2018	0.781453	0.675112
Kenya	2019	0.784901	0.682011
Kiribati	1990	1.4921	1.196769

Kiribati	1991	1.456679	1.172151
Kiribati	1992	1.426989	1.152817
Kiribati	1993	1.399922	1.134295
Kiribati	1994	1.379383	1.119111
Kiribati	1995	1.357045	1.1003
Kiribati	1996	1.342688	1.088594
Kiribati	1997	1.337935	1.081264
Kiribati	1998	1.335628	1.075184
Kiribati	1999	1.338924	1.073275
Kiribati	2000	1.334341	1.064826
Kiribati	2001	1.330727	1.059429
Kiribati	2002	1.334753	1.061153
Kiribati	2003	1.344028	1.068185
Kiribati	2004	1.360788	1.08068
Kiribati	2005	1.358904	1.078589
Kiribati	2006	1.337353	1.06056
Kiribati	2007	1.308545	1.039539
Kiribati	2008	1.284763	1.019264
Kiribati	2009	1.261421	0.998717
Kiribati	2010	1.244095	0.982611
Kiribati	2011	1.224451	0.964273
Kiribati	2012	1.203869	0.946504
Kiribati	2013	1.187289	0.931639
Kiribati	2014	1.173134	0.918956
Kiribati	2015	1.174871	0.919107

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Kiribati	2016	1.184607	0.925399
Kiribati	2017	1.193378	0.931678
Kiribati	2018	1.19579	0.933418
Kiribati	2019	1.197517	0.934093
Kuwait	1990	0.906022	1.255995
Kuwait	1991	0.892059	1.282196
Kuwait	1992	0.885625	1.259416
Kuwait	1993	0.768031	1.079664
Kuwait	1994	0.721014	1.029666
Kuwait	1995	0.703499	1.018502
Kuwait	1996	0.72527	1.063488
Kuwait	1997	0.668915	1.014207
Kuwait	1998	0.704428	1.07427
Kuwait	1999	0.635082	0.968802
Kuwait	2000	0.636471	0.973544
Kuwait	2001	0.77434	1.188986
Kuwait	2002	0.694942	1.096564
Kuwait	2003	0.673842	1.081392
Kuwait	2004	0.653702	1.044354
Kuwait	2005	0.61209	0.973403
Kuwait	2006	0.597222	0.957241
Kuwait	2007	0.649274	1.040845
Kuwait	2008	0.671105	1.096313
Kuwait	2009	0.757462	1.216108
Kuwait	2010	0.839781	1.32464

Kuwait	2011	0.862705	1.35794
Kuwait	2012	0.814298	1.283671
Kuwait	2013	0.814568	1.285124
Kuwait	2014	0.84126	1.300564
Kuwait	2015	0.767129	1.168468
Kuwait	2016	0.739668	1.118587
Kuwait	2017	0.726698	1.081906
Kuwait	2018	0.713715	1.056145
Kuwait	2019	0.723676	1.037296
Kyrgyzstan	1990	0.891951	0.672838
Kyrgyzstan	1991	0.908612	0.691176
Kyrgyzstan	1992	0.898784	0.681623
Kyrgyzstan	1993	0.850417	0.650437
Kyrgyzstan	1994	0.82783	0.639884
Kyrgyzstan	1995	0.837243	0.653969
Kyrgyzstan	1996	0.834809	0.650548
Kyrgyzstan	1997	0.819205	0.637971
Kyrgyzstan	1998	0.831842	0.648076
Kyrgyzstan	1999	0.840267	0.664432
Kyrgyzstan	2000	0.844168	0.661815
Kyrgyzstan	2001	0.830856	0.658922
Kyrgyzstan	2002	0.828249	0.667975
Kyrgyzstan	2003	0.824127	0.67254
Kyrgyzstan	2004	0.810225	0.669459
Kyrgyzstan	2005	0.806345	0.668711

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5	Kyrgyzstan	2006	0.770748	0.64556
6	Kyrgyzstan	2007	0.755731	0.63405
7	Kyrgyzstan	2008	0.784272	0.65742
8	Kyrgyzstan	2009	0.81073	0.67425
9	Kyrgyzstan	2010	0.817755	0.685054
10	Kyrgyzstan	2011	0.840219	0.711408
11	Kyrgyzstan	2012	0.841235	0.716805
12	Kyrgyzstan	2013	0.84349	0.720402
13	Kyrgyzstan	2014	0.842241	0.705299
14	Kyrgyzstan	2015	0.860066	0.70151
15	Kyrgyzstan	2016	0.874609	0.704633
16	Kyrgyzstan	2017	0.849871	0.684358
17	Kyrgyzstan	2018	0.841746	0.687493
18	Kyrgyzstan	2019	0.83568	0.684807
19	Lao People's Democratic Republic	1990	1.080257	0.904518
20	Lao People's Democratic Republic	1991	1.079338	0.906014
21	Lao People's Democratic Republic	1992	1.08287	0.911731
22	Lao People's Democratic Republic	1993	1.084715	0.916095
23	Lao People's Democratic Republic	1994	1.087379	0.920926
24	Lao People's Democratic Republic	1995	1.087375	0.922831
25	Lao People's Democratic Republic	1996	1.079552	0.918976
26	Lao People's Democratic Republic	1997	1.072371	0.91556
27	Lao People's Democratic Republic	1998	1.058718	0.906658
28	Lao People's Democratic Republic	1999	1.052176	0.902857
29	Lao People's Democratic Republic	2000	1.036378	0.890862
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Lao People's Democratic Republic	2001	1.02433	0.883273
Lao People's Democratic Republic	2002	1.015382	0.87784
Lao People's Democratic Republic	2003	1.002093	0.869322
Lao People's Democratic Republic	2004	0.99141	0.862162
Lao People's Democratic Republic	2005	0.983924	0.856121
Lao People's Democratic Republic	2006	0.974171	0.850443
Lao People's Democratic Republic	2007	0.969745	0.848823
Lao People's Democratic Republic	2008	0.968779	0.849477
Lao People's Democratic Republic	2009	0.964921	0.846846
Lao People's Democratic Republic	2010	0.962207	0.843804
Lao People's Democratic Republic	2011	0.957551	0.841215
Lao People's Democratic Republic	2012	0.951021	0.838007
Lao People's Democratic Republic	2013	0.947474	0.837311
Lao People's Democratic Republic	2014	0.942958	0.835606
Lao People's Democratic Republic	2015	0.939503	0.833335
Lao People's Democratic Republic	2016	0.936031	0.833099
Lao People's Democratic Republic	2017	0.933775	0.833237
Lao People's Democratic Republic	2018	0.929921	0.831474
Lao People's Democratic Republic	2019	0.927608	0.831059
Latvia	1990	1.205006	0.533461
Latvia	1991	1.183017	0.522451
Latvia	1992	1.1596	0.513471
Latvia	1993	1.091711	0.49012
Latvia	1994	1.035137	0.470417
Latvia	1995	1.061499	0.481214

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Latvia	1996	1.062243	0.487466
Latvia	1997	1.055513	0.488382
Latvia	1998	1.044571	0.489392
Latvia	1999	1.049745	0.491657
Latvia	2000	1.060367	0.490885
Latvia	2001	1.058915	0.492391
Latvia	2002	1.072686	0.496717
Latvia	2003	1.191884	0.544692
Latvia	2004	1.183538	0.544267
Latvia	2005	1.135283	0.525288
Latvia	2006	1.180254	0.548254
Latvia	2007	1.191916	0.549398
Latvia	2008	1.338475	0.604078
Latvia	2009	1.473186	0.665503
Latvia	2010	1.605934	0.719695
Latvia	2011	1.734377	0.76653
Latvia	2012	1.736977	0.761187
Latvia	2013	1.795712	0.787659
Latvia	2014	1.727391	0.755626
Latvia	2015	1.815508	0.792721
Latvia	2016	1.870149	0.814017
Latvia	2017	1.84377	0.808288
Latvia	2018	1.800032	0.794765
Latvia	2019	1.764838	0.785235
Lebanon	1990	1.071467	0.981764

Lebanon	1991	1.096284	1.005245
Lebanon	1992	1.107116	1.018167
Lebanon	1993	1.116366	1.030655
Lebanon	1994	1.123867	1.0433
Lebanon	1995	1.145438	1.068906
Lebanon	1996	1.152793	1.082827
Lebanon	1997	1.150313	1.087767
Lebanon	1998	1.160116	1.103824
Lebanon	1999	1.142017	1.095643
Lebanon	2000	1.136071	1.09651
Lebanon	2001	1.119939	1.087568
Lebanon	2002	1.108308	1.081466
Lebanon	2003	1.095733	1.073018
Lebanon	2004	1.071111	1.051902
Lebanon	2005	1.050357	1.031778
Lebanon	2006	1.030823	1.01005
Lebanon	2007	1.013675	0.987874
Lebanon	2008	1.001423	0.968311
Lebanon	2009	1.001269	0.95813
Lebanon	2010	1.011659	0.956166
Lebanon	2011	1.014475	0.945418
Lebanon	2012	1.01685	0.933202
Lebanon	2013	1.030695	0.93028
Lebanon	2014	1.053575	0.933731
Lebanon	2015	1.083446	0.942194



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5	Lebanon	2016	1.11331	0.94979
6	Lebanon	2017	1.146106	0.959078
7	Lebanon	2018	1.180669	0.969818
8	Lebanon	2019	1.214408	0.980276
9	Lebanon	2019	1.214408	0.980276
10	Lesotho	1990	0.547406	0.365938
11	Lesotho	1991	0.542313	0.361697
12	Lesotho	1992	0.533141	0.355213
13	Lesotho	1992	0.533141	0.355213
14	Lesotho	1993	0.52431	0.348481
15	Lesotho	1994	0.507527	0.337316
16	Lesotho	1994	0.507527	0.337316
17	Lesotho	1995	0.487595	0.323129
18	Lesotho	1996	0.460489	0.303582
19	Lesotho	1997	0.433845	0.283866
20	Lesotho	1997	0.433845	0.283866
21	Lesotho	1998	0.4568	0.296374
22	Lesotho	1999	0.483221	0.311493
23	Lesotho	1999	0.483221	0.311493
24	Lesotho	2000	0.541543	0.347625
25	Lesotho	2001	0.554774	0.355842
26	Lesotho	2002	0.580648	0.372819
27	Lesotho	2002	0.580648	0.372819
28	Lesotho	2003	0.628877	0.403491
29	Lesotho	2004	0.639428	0.412443
30	Lesotho	2004	0.639428	0.412443
31	Lesotho	2005	0.656144	0.4243
32	Lesotho	2006	0.657785	0.427168
33	Lesotho	2007	0.674236	0.438252
34	Lesotho	2008	0.701223	0.456121
35	Lesotho	2008	0.701223	0.456121
36	Lesotho	2009	0.707365	0.462249
37	Lesotho	2010	0.71764	0.471142
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5	Lesotho	2011	0.721541	0.476297
6	Lesotho	2012	0.738423	0.489759
7	Lesotho	2013	0.742987	0.495743
8	Lesotho	2014	0.740565	0.497532
9	Lesotho	2015	0.735094	0.496563
10	Lesotho	2016	0.722892	0.490841
11	Lesotho	2017	0.711107	0.4857
12	Lesotho	2018	0.705235	0.48378
13	Lesotho	2019	0.705917	0.485671
14	Liberia	1990	0.9085	0.996005
15	Liberia	1991	0.911296	0.998861
16	Liberia	1992	0.925106	1.011605
17	Liberia	1993	0.924282	1.008222
18	Liberia	1994	0.917343	0.998056
19	Liberia	1995	0.913325	0.981736
20	Liberia	1996	0.878938	0.937608
21	Liberia	1997	0.869847	0.918023
22	Liberia	1998	0.850108	0.894908
23	Liberia	1999	0.838556	0.881561
24	Liberia	2000	0.849539	0.884162
25	Liberia	2001	0.86329	0.889863
26	Liberia	2002	0.885972	0.907093
27	Liberia	2003	0.88833	0.908553
28	Liberia	2004	0.899159	0.919208
29	Liberia	2005	0.912469	0.924308
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Liberia	2006	0.92007	0.923942
Liberia	2007	0.924098	0.921404
Liberia	2008	0.926949	0.929499
Liberia	2009	0.922828	0.930079
Liberia	2010	0.930016	0.935905
Liberia	2011	0.941819	0.945008
Liberia	2012	0.942946	0.943157
Liberia	2013	0.938623	0.938907
Liberia	2014	0.940143	0.942135
Liberia	2015	0.942099	0.941489
Liberia	2016	0.950782	0.94713
Liberia	2017	0.957875	0.950271
Liberia	2018	0.960514	0.9517
Liberia	2019	0.96058	0.953451
Libya	1990	1.055999	1.102401
Libya	1991	1.061455	1.107185
Libya	1992	1.031746	1.074807
Libya	1993	1.021858	1.061961
Libya	1994	1.014832	1.051481
Libya	1995	1.008831	1.042201
Libya	1996	1.016403	1.048683
Libya	1997	1.000094	1.031347
Libya	1998	0.991815	1.025339
Libya	1999	0.982479	1.020405
Libya	2000	0.97538	1.013309

Libya	2001	0.934374	0.965433
Libya	2002	0.904144	0.92635
Libya	2003	0.899903	0.916303
Libya	2004	0.962226	0.97716
Libya	2005	1.003809	1.021942
Libya	2006	1.022	1.036288
Libya	2007	1.116889	1.122346
Libya	2008	1.143164	1.149181
Libya	2009	1.226991	1.228515
Libya	2010	1.20636	1.206442
Libya	2011	1.189759	1.190245
Libya	2012	1.216209	1.220529
Libya	2013	1.219613	1.224468
Libya	2014	1.214545	1.220811
Libya	2015	1.225026	1.231131
Libya	2016	1.228146	1.234103
Libya	2017	1.223734	1.228194
Libya	2018	1.220224	1.223662
Libya	2019	1.214728	1.216594
Lithuania	1990	0.971313	0.540179
Lithuania	1991	0.985477	0.54626
Lithuania	1992	0.989442	0.546932
Lithuania	1993	0.949626	0.53415
Lithuania	1994	0.96797	0.550823
Lithuania	1995	1.00168	0.568811

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Lithuania	1996	1.019597	0.571551
Lithuania	1997	1.05621	0.584609
Lithuania	1998	1.055637	0.581885
Lithuania	1999	1.050745	0.578728
Lithuania	2000	1.057401	0.578423
Lithuania	2001	1.067042	0.580847
Lithuania	2002	1.080398	0.579941
Lithuania	2003	1.136544	0.606356
Lithuania	2004	1.103524	0.587737
Lithuania	2005	1.084225	0.579263
Lithuania	2006	1.113196	0.594664
Lithuania	2007	1.096276	0.583299
Lithuania	2008	1.198771	0.624744
Lithuania	2009	1.229255	0.622287
Lithuania	2010	1.21543	0.605984
Lithuania	2011	1.22594	0.611089
Lithuania	2012	1.243841	0.615975
Lithuania	2013	1.228526	0.60492
Lithuania	2014	1.242323	0.608617
Lithuania	2015	1.266152	0.620736
Lithuania	2016	1.250372	0.614161
Lithuania	2017	1.337779	0.654176
Lithuania	2018	1.319187	0.645546
Lithuania	2019	1.350657	0.661003
Luxembourg	1990	1.393482	0.713825

Luxembourg	1991	1.405872	0.718466
Luxembourg	1992	1.45974	0.741392
Luxembourg	1993	1.457165	0.737255
Luxembourg	1994	1.465173	0.734587
Luxembourg	1995	1.498477	0.746412
Luxembourg	1996	1.532323	0.762892
Luxembourg	1997	1.541765	0.767401
Luxembourg	1998	1.53696	0.763833
Luxembourg	1999	1.557634	0.771755
Luxembourg	2000	1.583232	0.780806
Luxembourg	2001	1.629875	0.804553
Luxembourg	2002	1.58333	0.786575
Luxembourg	2003	1.541825	0.764156
Luxembourg	2004	1.542719	0.759595
Luxembourg	2005	1.564119	0.7683
Luxembourg	2006	1.568078	0.772499
Luxembourg	2007	1.574228	0.78169
Luxembourg	2008	1.559942	0.780138
Luxembourg	2009	1.486968	0.747579
Luxembourg	2010	1.461338	0.738203
Luxembourg	2011	1.483877	0.760491
Luxembourg	2012	1.434736	0.751165
Luxembourg	2013	1.437263	0.769188
Luxembourg	2014	1.436678	0.781738
Luxembourg	2015	1.449766	0.795169

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5	Luxembourg	2016	1.452105	0.803893
6	Luxembourg	2017	1.424215	0.802565
7	Luxembourg	2018	1.395836	0.799804
8	Luxembourg	2019	1.372174	0.796658
9	Madagascar	1990	0.654498	0.630902
10	Madagascar	1991	0.665058	0.636322
11	Madagascar	1992	0.679494	0.646495
12	Madagascar	1993	0.674667	0.639008
13	Madagascar	1994	0.673359	0.633825
14	Madagascar	1995	0.672929	0.631342
15	Madagascar	1996	0.669081	0.625767
16	Madagascar	1997	0.68748	0.638721
17	Madagascar	1998	0.690612	0.638743
18	Madagascar	1999	0.690685	0.635064
19	Madagascar	2000	0.704869	0.643978
20	Madagascar	2001	0.712433	0.64898
21	Madagascar	2002	0.730031	0.662803
22	Madagascar	2003	0.730674	0.662693
23	Madagascar	2004	0.739866	0.667256
24	Madagascar	2005	0.736319	0.660275
25	Madagascar	2006	0.730087	0.65173
26	Madagascar	2007	0.726425	0.64593
27	Madagascar	2008	0.72202	0.640593
28	Madagascar	2009	0.728877	0.645161
29	Madagascar	2010	0.734435	0.649298
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Madagascar	2011	0.741916	0.654738
Madagascar	2012	0.749575	0.661406
Madagascar	2013	0.756602	0.668668
Madagascar	2014	0.764441	0.6762
Madagascar	2015	0.770191	0.682863
Madagascar	2016	0.774117	0.690311
Madagascar	2017	0.779615	0.698152
Madagascar	2018	0.78173	0.702984
Madagascar	2019	0.783939	0.70848
Malawi	1990	0.863324	0.714457
Malawi	1991	0.838268	0.692198
Malawi	1992	0.814011	0.670492
Malawi	1993	0.796118	0.651846
Malawi	1994	0.780322	0.635558
Malawi	1995	0.762866	0.621129
Malawi	1996	0.748306	0.610385
Malawi	1997	0.734158	0.599556
Malawi	1998	0.72624	0.593395
Malawi	1999	0.724455	0.586929
Malawi	2000	0.715552	0.575648
Malawi	2001	0.705807	0.565471
Malawi	2002	0.70057	0.558742
Malawi	2003	0.700275	0.556185
Malawi	2004	0.690505	0.54759
Malawi	2005	0.684543	0.540365



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5	Malawi	2006	0.682796	0.534722
6	Malawi	2007	0.686828	0.535867
7	Malawi	2008	0.697033	0.54052
8	Malawi	2009	0.707276	0.54586
9	Malawi	2010	0.71033	0.546968
10	Malawi	2011	0.714983	0.54886
11	Malawi	2012	0.724143	0.555918
12	Malawi	2013	0.733413	0.563464
13	Malawi	2014	0.737841	0.569168
14	Malawi	2015	0.74575	0.576821
15	Malawi	2016	0.748773	0.583159
16	Malawi	2017	0.754559	0.591801
17	Malawi	2018	0.760637	0.599123
18	Malawi	2019	0.765263	0.605597
19	Malaysia	1990	0.819196	0.788761
20	Malaysia	1991	0.846018	0.816191
21	Malaysia	1992	0.886443	0.853191
22	Malaysia	1993	0.94471	0.913312
23	Malaysia	1994	0.975225	0.954186
24	Malaysia	1995	0.982179	0.948723
25	Malaysia	1996	0.950804	0.889981
26	Malaysia	1997	0.965724	0.902726
27	Malaysia	1998	1.026153	0.991537
28	Malaysia	1999	1.047448	1.026159
29	Malaysia	2000	1.034293	1.007025
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5	Malaysia	2001	1.027312	0.987668
6	Malaysia	2002	1.078764	1.04399
7	Malaysia	2003	1.063797	1.039922
8	Malaysia	2004	1.060262	1.061847
9	Malaysia	2005	1.066861	1.080876
10	Malaysia	2006	1.07099	1.094214
11	Malaysia	2007	1.072336	1.107498
12	Malaysia	2008	1.059789	1.110449
13	Malaysia	2009	1.063617	1.123318
14	Malaysia	2010	1.057671	1.11054
15	Malaysia	2011	1.04982	1.098519
16	Malaysia	2012	1.067402	1.137766
17	Malaysia	2013	1.064808	1.180301
18	Malaysia	2014	1.056546	1.179
19	Malaysia	2015	1.053687	1.173967
20	Malaysia	2016	1.045563	1.136786
21	Malaysia	2017	1.04171	1.122423
22	Malaysia	2018	1.044457	1.117039
23	Malaysia	2019	1.041762	1.08757
24	Maldives	1990	0.963518	1.206453
25	Maldives	1991	0.972691	1.238021
26	Maldives	1992	0.98505	1.276931
27	Maldives	1993	0.95509	1.239805
28	Maldives	1994	0.900192	1.140108
29	Maldives	1995	0.914347	1.166679
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Maldives	1996	0.962101	1.260357
Maldives	1997	0.99324	1.318302
Maldives	1998	0.950574	1.23224
Maldives	1999	0.950123	1.207546
Maldives	2000	0.963335	1.233702
Maldives	2001	0.952392	1.219721
Maldives	2002	0.85437	1.079451
Maldives	2003	0.855313	1.076779
Maldives	2004	0.863548	1.078919
Maldives	2005	0.867198	1.075533
Maldives	2006	0.878145	1.082157
Maldives	2007	0.896513	1.09889
Maldives	2008	0.915916	1.116226
Maldives	2009	0.944785	1.145004
Maldives	2010	0.961791	1.162282
Maldives	2011	0.957437	1.155309
Maldives	2012	0.951009	1.149364
Maldives	2013	0.938156	1.13562
Maldives	2014	0.919664	1.11528
Maldives	2015	0.897286	1.09207
Maldives	2016	0.902015	1.100388
Maldives	2017	0.903999	1.105606
Maldives	2018	0.905796	1.110964
Maldives	2019	0.90613	1.11559
Mali	1990	1.052152	0.960348

Mali	1991	1.049099	0.963432
Mali	1992	1.04031	0.962519
Mali	1993	1.024426	0.95587
Mali	1994	1.014837	0.953214
Mali	1995	1.01442	0.958046
Mali	1996	1.009798	0.959951
Mali	1997	1.013619	0.970303
Mali	1998	1.006038	0.969867
Mali	1999	0.988446	0.959086
Mali	2000	0.979709	0.955419
Mali	2001	0.967442	0.950056
Mali	2002	0.956589	0.943906
Mali	2003	0.948678	0.941863
Mali	2004	0.931661	0.929066
Mali	2005	0.920049	0.920402
Mali	2006	0.912475	0.915756
Mali	2007	0.896128	0.902561
Mali	2008	0.880758	0.889383
Mali	2009	0.8671	0.8774
Mali	2010	0.862463	0.874125
Mali	2011	0.861756	0.875638
Mali	2012	0.860395	0.876241
Mali	2013	0.852067	0.868954
Mali	2014	0.849678	0.868136
Mali	2015	0.842445	0.862383

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5	Mali	2016	0.832439	0.855942
6	Mali	2017	0.822786	0.849405
7	Mali	2018	0.827136	0.855255
8	Mali	2019	0.830844	0.85997
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10	Malta	1990	1.008276	0.651471
11	Malta	1991	1.030094	0.651632
12	Malta	1992	1.060652	0.662053
13	Malta	1993	1.091122	0.675794
14	Malta	1994	1.154814	0.722773
15	Malta	1995	1.172958	0.735947
16	Malta	1996	1.138106	0.716251
17	Malta	1997	1.119391	0.702479
18	Malta	1998	1.163283	0.728761
19	Malta	1999	1.16292	0.731829
20	Malta	2000	1.163634	0.732145
21	Malta	2001	1.136787	0.714885
22	Malta	2002	1.094725	0.687322
23	Malta	2003	1.085162	0.685129
24	Malta	2004	1.089569	0.692118
25	Malta	2005	1.035043	0.659262
26	Malta	2006	1.047596	0.668544
27	Malta	2007	1.038632	0.664038
28	Malta	2008	1.016727	0.651006
29	Malta	2009	1.034098	0.663307
30	Malta	2010	1.009965	0.647124
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5	Malta	2011	1.002912	0.643467
6	Malta	2012	1.017241	0.650393
7	Malta	2013	1.027006	0.65451
8	Malta	2014	1.031116	0.659429
9	Malta	2015	1.140398	0.725348
10	Malta	2016	1.132609	0.72308
11	Malta	2017	1.126121	0.720151
12	Malta	2018	1.114579	0.716802
13	Malta	2019	1.098586	0.713248
14	Malta	2019	1.098586	0.713248
15	Malta	2019	1.098586	0.713248
16	Malta	2019	1.098586	0.713248
17	Marshall Islands	1990	0.829497	0.73961
18	Marshall Islands	1991	0.84873	0.754036
19	Marshall Islands	1992	0.862116	0.764425
20	Marshall Islands	1993	0.895229	0.794611
21	Marshall Islands	1994	1.000765	0.922647
22	Marshall Islands	1995	1.014702	0.941943
23	Marshall Islands	1996	1.041135	0.970383
24	Marshall Islands	1997	1.044842	0.980008
25	Marshall Islands	1998	1.04679	0.986713
26	Marshall Islands	1999	1.041891	0.986813
27	Marshall Islands	2000	1.037892	0.986503
28	Marshall Islands	2001	1.034632	0.986928
29	Marshall Islands	2002	1.035458	0.991621
30	Marshall Islands	2003	1.033946	0.994506
31	Marshall Islands	2004	1.043391	1.007015
32	Marshall Islands	2005	1.033638	1.00178
33	Marshall Islands	2005	1.033638	1.00178
34	Marshall Islands	2005	1.033638	1.00178
35	Marshall Islands	2005	1.033638	1.00178
36	Marshall Islands	2005	1.033638	1.00178
37	Marshall Islands	2005	1.033638	1.00178
38	Marshall Islands	2005	1.033638	1.00178
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Marshall Islands	2006	1.024225	0.996898
Marshall Islands	2007	1.005892	0.982809
Marshall Islands	2008	0.989552	0.970255
Marshall Islands	2009	0.978998	0.962731
Marshall Islands	2010	0.973948	0.960239
Marshall Islands	2011	0.966812	0.954487
Marshall Islands	2012	0.960175	0.948971
Marshall Islands	2013	0.955867	0.945321
Marshall Islands	2014	0.950784	0.939663
Marshall Islands	2015	0.947166	0.936217
Marshall Islands	2016	0.946444	0.934338
Marshall Islands	2017	0.948871	0.935285
Marshall Islands	2018	0.94816	0.933495
Marshall Islands	2019	0.948073	0.931827
Mauritania	1990	1.292419	1.123301
Mauritania	1991	1.304114	1.144613
Mauritania	1992	1.311313	1.163473
Mauritania	1993	1.316344	1.181659
Mauritania	1994	1.321783	1.193751
Mauritania	1995	1.330612	1.208804
Mauritania	1996	1.334792	1.220411
Mauritania	1997	1.337735	1.23014
Mauritania	1998	1.342861	1.23923
Mauritania	1999	1.355719	1.257931
Mauritania	2000	1.354422	1.266274

Mauritania	2001	1.338039	1.263431
Mauritania	2002	1.326071	1.263031
Mauritania	2003	1.32429	1.269958
Mauritania	2004	1.312932	1.26527
Mauritania	2005	1.308692	1.266842
Mauritania	2006	1.304456	1.274066
Mauritania	2007	1.286568	1.263329
Mauritania	2008	1.259677	1.245972
Mauritania	2009	1.226907	1.223864
Mauritania	2010	1.206542	1.21002
Mauritania	2011	1.194471	1.198175
Mauritania	2012	1.18269	1.187555
Mauritania	2013	1.170872	1.180314
Mauritania	2014	1.181396	1.189417
Mauritania	2015	1.185942	1.195127
Mauritania	2016	1.190154	1.203213
Mauritania	2017	1.186943	1.204661
Mauritania	2018	1.18427	1.206028
Mauritania	2019	1.182881	1.204325
Mauritius	1990	0.93321	0.754336
Mauritius	1991	0.950503	0.755029
Mauritius	1992	1.044833	0.830833
Mauritius	1993	0.972502	0.775092
Mauritius	1994	0.996268	0.7839
Mauritius	1995	0.988114	0.789355



Mauritius	1996	0.923973	0.738861
Mauritius	1997	0.899823	0.699261
Mauritius	1998	0.910683	0.702415
Mauritius	1999	0.928566	0.717855
Mauritius	2000	0.995053	0.77431
Mauritius	2001	0.979239	0.769047
Mauritius	2002	0.899328	0.7055
Mauritius	2003	0.943053	0.733968
Mauritius	2004	0.925262	0.723859
Mauritius	2005	0.92733	0.727248
Mauritius	2006	0.942548	0.745284
Mauritius	2007	0.934733	0.753928
Mauritius	2008	0.902499	0.735209
Mauritius	2009	0.855919	0.696554
Mauritius	2010	0.884717	0.710758
Mauritius	2011	0.843754	0.678107
Mauritius	2012	0.895397	0.714052
Mauritius	2013	0.870548	0.695416
Mauritius	2014	0.872555	0.701738
Mauritius	2015	0.849229	0.685232
Mauritius	2016	0.828713	0.669571
Mauritius	2017	0.889327	0.717066
Mauritius	2018	0.873638	0.706288
Mauritius	2019	0.865816	0.699819
Mexico	1990	1.078398	1.048632

Mexico	1991	1.075019	1.040023
Mexico	1992	1.086669	1.043003
Mexico	1993	1.091016	1.040778
Mexico	1994	1.082324	1.027802
Mexico	1995	1.095406	1.033573
Mexico	1996	1.094571	1.026731
Mexico	1997	1.094724	1.022765
Mexico	1998	1.102235	1.022629
Mexico	1999	1.120489	1.033242
Mexico	2000	1.097268	1.009582
Mexico	2001	1.101573	1.009819
Mexico	2002	1.080918	0.987715
Mexico	2003	1.074058	0.97873
Mexico	2004	1.071029	0.974993
Mexico	2005	1.053626	0.959082
Mexico	2006	1.049174	0.953395
Mexico	2007	1.047691	0.950921
Mexico	2008	1.020609	0.923375
Mexico	2009	1.031489	0.928038
Mexico	2010	1.033104	0.92865
Mexico	2011	1.016719	0.911677
Mexico	2012	1.010454	0.902523
Mexico	2013	0.984236	0.875506
Mexico	2014	0.978046	0.867256
Mexico	2015	0.960093	0.848844

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5	Mexico	2016	0.946389	0.834406
6	Mexico	2017	0.919663	0.808347
7	Mexico	2018	0.92066	0.806294
8	Mexico	2019	0.912661	0.794804
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10	Micronesia (Federated States of)	1990	1.044948	0.976014
11	Micronesia (Federated States of)	1991	1.063367	0.987065
12	Micronesia (Federated States of)	1992	1.085287	1.00053
13	Micronesia (Federated States of)	1993	1.104225	1.010412
14	Micronesia (Federated States of)	1994	1.127485	1.023454
15	Micronesia (Federated States of)	1995	1.154087	1.039054
16	Micronesia (Federated States of)	1996	1.175387	1.049479
17	Micronesia (Federated States of)	1997	1.192982	1.057541
18	Micronesia (Federated States of)	1998	1.205251	1.061571
19	Micronesia (Federated States of)	1999	1.216182	1.065192
20	Micronesia (Federated States of)	2000	1.22136	1.064296
21	Micronesia (Federated States of)	2001	1.227829	1.06496
22	Micronesia (Federated States of)	2002	1.23739	1.069029
23	Micronesia (Federated States of)	2003	1.224554	1.054574
24	Micronesia (Federated States of)	2004	1.221401	1.049043
25	Micronesia (Federated States of)	2005	1.212073	1.039666
26	Micronesia (Federated States of)	2006	1.227931	1.050787
27	Micronesia (Federated States of)	2007	1.19562	1.021078
28	Micronesia (Federated States of)	2008	1.162752	0.99167
29	Micronesia (Federated States of)	2009	1.129838	0.96289
30	Micronesia (Federated States of)	2010	1.101329	0.937482
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5	Micronesia (Federated States of)	2011	1.064706	0.907
6	Micronesia (Federated States of)	2012	1.034839	0.882568
7	Micronesia (Federated States of)	2013	1.009272	0.861923
8	Micronesia (Federated States of)	2014	0.988996	0.845971
9	Micronesia (Federated States of)	2015	0.97729	0.835961
10	Micronesia (Federated States of)	2016	0.962942	0.825061
11	Micronesia (Federated States of)	2017	0.959648	0.823572
12	Micronesia (Federated States of)	2018	0.955921	0.821916
13	Micronesia (Federated States of)	2019	0.951491	0.819525
14	Monaco	1990	0.925141	0.509605
15	Monaco	1991	0.927871	0.511247
16	Monaco	1992	0.935894	0.515033
17	Monaco	1993	0.947152	0.520603
18	Monaco	1994	0.958841	0.52651
19	Monaco	1995	0.968499	0.532215
20	Monaco	1996	0.976394	0.538766
21	Monaco	1997	0.991226	0.548622
22	Monaco	1998	1.010798	0.560403
23	Monaco	1999	1.034407	0.573567
24	Monaco	2000	1.055584	0.586374
25	Monaco	2001	1.068534	0.59852
26	Monaco	2002	1.075324	0.609122
27	Monaco	2003	1.081212	0.620175
28	Monaco	2004	1.086635	0.630366
29	Monaco	2005	1.088433	0.639145
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Monaco	2006	1.082645	0.645151
Monaco	2007	1.070951	0.648902
Monaco	2008	1.059886	0.653042
Monaco	2009	1.054282	0.658945
Monaco	2010	1.052876	0.666098
Monaco	2011	1.050548	0.672052
Monaco	2012	1.046823	0.678352
Monaco	2013	1.03124	0.674487
Monaco	2014	1.025477	0.675192
Monaco	2015	1.022501	0.676323
Monaco	2016	1.017735	0.675253
Monaco	2017	1.011475	0.673635
Monaco	2018	1.004845	0.672659
Monaco	2019	0.997704	0.670993
Mongolia	1990	1.068489	0.837677
Mongolia	1991	1.083221	0.846939
Mongolia	1992	1.081256	0.854461
Mongolia	1993	1.092407	0.854763
Mongolia	1994	1.087824	0.850761
Mongolia	1995	1.079002	0.852306
Mongolia	1996	1.060124	0.840739
Mongolia	1997	1.082339	0.856448
Mongolia	1998	1.074045	0.833624
Mongolia	1999	1.084455	0.837111
Mongolia	2000	1.047604	0.821764

Mongolia	2001	0.976921	0.761449
Mongolia	2002	0.921562	0.715086
Mongolia	2003	0.882353	0.687733
Mongolia	2004	0.854392	0.675443
Mongolia	2005	0.832971	0.664011
Mongolia	2006	0.833794	0.662218
Mongolia	2007	0.823721	0.663589
Mongolia	2008	0.819758	0.675399
Mongolia	2009	0.832738	0.69269
Mongolia	2010	0.825495	0.676345
Mongolia	2011	0.81695	0.665265
Mongolia	2012	0.819276	0.684519
Mongolia	2013	0.808343	0.682186
Mongolia	2014	0.795602	0.677174
Mongolia	2015	0.795543	0.676357
Mongolia	2016	0.790086	0.663606
Mongolia	2017	0.794348	0.661505
Mongolia	2018	0.793758	0.653293
Mongolia	2019	0.788673	0.633037
Montenegro	1990	0.730016	0.531763
Montenegro	1991	0.733277	0.528923
Montenegro	1992	0.752784	0.539443
Montenegro	1993	0.760196	0.546079
Montenegro	1994	0.793137	0.571782
Montenegro	1995	0.803658	0.58153

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Montenegro	1996	0.816688	0.593459
Montenegro	1997	0.803945	0.587557
Montenegro	1998	0.800749	0.587413
Montenegro	1999	0.806197	0.590958
Montenegro	2000	0.831277	0.61343
Montenegro	2001	0.83478	0.624572
Montenegro	2002	0.812396	0.611387
Montenegro	2003	0.800159	0.604112
Montenegro	2004	0.776479	0.583612
Montenegro	2005	0.749911	0.558299
Montenegro	2006	0.761925	0.567128
Montenegro	2007	0.800333	0.592415
Montenegro	2008	0.829676	0.616523
Montenegro	2009	0.849739	0.637266
Montenegro	2010	0.862346	0.649889
Montenegro	2011	0.845212	0.642788
Montenegro	2012	0.851893	0.648937
Montenegro	2013	0.843268	0.645223
Montenegro	2014	0.848705	0.651204
Montenegro	2015	0.842623	0.641021
Montenegro	2016	0.809543	0.606147
Montenegro	2017	0.802626	0.594613
Montenegro	2018	0.825529	0.60972
Montenegro	2019	0.810302	0.592792
Morocco	1990	0.99491	0.878909

Morocco	1991	0.991678	0.881717
Morocco	1992	0.946036	0.847594
Morocco	1993	0.935928	0.840068
Morocco	1994	0.94912	0.849024
Morocco	1995	0.952789	0.849879
Morocco	1996	0.973631	0.873777
Morocco	1997	0.987708	0.885371
Morocco	1998	0.96864	0.862799
Morocco	1999	0.966075	0.851575
Morocco	2000	1.027192	0.934749
Morocco	2001	1.1055	1.039632
Morocco	2002	1.172219	1.105859
Morocco	2003	1.178042	1.112077
Morocco	2004	1.210291	1.158825
Morocco	2005	1.232854	1.193653
Morocco	2006	1.241772	1.213695
Morocco	2007	1.25736	1.236321
Morocco	2008	1.258971	1.247946
Morocco	2009	1.258156	1.25791
Morocco	2010	1.260311	1.270169
Morocco	2011	1.257748	1.277081
Morocco	2012	1.235274	1.256931
Morocco	2013	1.049889	1.040043
Morocco	2014	1.068511	1.042004
Morocco	2015	1.085833	1.043414



Morocco	2016	1.097535	1.040243
Morocco	2017	1.107104	1.035671
Morocco	2018	1.112476	1.03045
Morocco	2019	1.116306	1.025441
Mozambique	1990	0.7455	0.632955
Mozambique	1991	0.740092	0.623329
Mozambique	1992	0.735712	0.617705
Mozambique	1993	0.723898	0.608977
Mozambique	1994	0.719732	0.605701
Mozambique	1995	0.713228	0.598496
Mozambique	1996	0.714012	0.596174
Mozambique	1997	0.715332	0.594212
Mozambique	1998	0.710254	0.587737
Mozambique	1999	0.702769	0.579659
Mozambique	2000	0.692727	0.56899
Mozambique	2001	0.678268	0.555227
Mozambique	2002	0.669768	0.545593
Mozambique	2003	0.664322	0.539428
Mozambique	2004	0.664309	0.538267
Mozambique	2005	0.67067	0.543276
Mozambique	2006	0.666668	0.537137
Mozambique	2007	0.666481	0.536097
Mozambique	2008	0.66311	0.534174
Mozambique	2009	0.663878	0.535535
Mozambique	2010	0.664697	0.536946

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5	Mozambique	2011	0.665384	0.538654
6	Mozambique	2012	0.666639	0.540631
7	Mozambique	2013	0.667253	0.542927
8	Mozambique	2014	0.670594	0.547312
9	Mozambique	2015	0.676028	0.553124
10	Mozambique	2016	0.678167	0.557826
11	Mozambique	2017	0.68422	0.56494
12	Mozambique	2018	0.686623	0.567848
13	Mozambique	2019	0.689936	0.571072
14	Myanmar	1990	1.18372	0.956469
15	Myanmar	1991	1.186191	0.955607
16	Myanmar	1992	1.19093	0.957006
17	Myanmar	1993	1.194359	0.957396
18	Myanmar	1994	1.1991	0.959002
19	Myanmar	1995	1.201551	0.957968
20	Myanmar	1996	1.201112	0.955698
21	Myanmar	1997	1.200431	0.953416
22	Myanmar	1998	1.201065	0.952161
23	Myanmar	1999	1.200264	0.950136
24	Myanmar	2000	1.205709	0.953426
25	Myanmar	2001	1.200051	0.949125
26	Myanmar	2002	1.197862	0.947276
27	Myanmar	2003	1.20639	0.952919
28	Myanmar	2004	1.192564	0.942485
29	Myanmar	2005	1.178545	0.930368
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Myanmar	2006	1.17357	0.924872
Myanmar	2007	1.161685	0.914034
Myanmar	2008	1.150781	0.9032
Myanmar	2009	1.127682	0.883668
Myanmar	2010	1.099544	0.859687
Myanmar	2011	1.071159	0.835402
Myanmar	2012	1.05088	0.816291
Myanmar	2013	1.050014	0.812047
Myanmar	2014	1.048675	0.807729
Myanmar	2015	1.048365	0.80387
Myanmar	2016	1.049722	0.801738
Myanmar	2017	1.060853	0.807818
Myanmar	2018	1.06684	0.8106
Myanmar	2019	1.070598	0.810062
Namibia	1990	0.520952	0.414139
Namibia	1991	0.518697	0.41023
Namibia	1992	0.514996	0.405404
Namibia	1993	0.516465	0.404232
Namibia	1994	0.514588	0.401503
Namibia	1995	0.514977	0.400811
Namibia	1996	0.512347	0.398035
Namibia	1997	0.520707	0.40232
Namibia	1998	0.528704	0.406669
Namibia	1999	0.536913	0.411569
Namibia	2000	0.542403	0.414466

Namibia	2001	0.536134	0.40849
Namibia	2002	0.535634	0.406544
Namibia	2003	0.527334	0.398785
Namibia	2004	0.515515	0.38807
Namibia	2005	0.50934	0.380508
Namibia	2006	0.512883	0.379323
Namibia	2007	0.520243	0.380621
Namibia	2008	0.525957	0.380947
Namibia	2009	0.537255	0.385315
Namibia	2010	0.542963	0.386363
Namibia	2011	0.547274	0.385731
Namibia	2012	0.562226	0.393271
Namibia	2013	0.570154	0.396655
Namibia	2014	0.579949	0.402086
Namibia	2015	0.589423	0.407695
Namibia	2016	0.596258	0.411905
Namibia	2017	0.601077	0.414841
Namibia	2018	0.606703	0.418179
Namibia	2019	0.61335	0.422065
Nauru	1990	0.841129	0.90935
Nauru	1991	0.836849	0.90501
Nauru	1992	0.838949	0.908351
Nauru	1993	0.81655	0.888291
Nauru	1994	0.827685	0.897083
Nauru	1995	0.825315	0.892624

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5	Nauru	1996	0.835952	0.896632
6	Nauru	1997	0.847038	0.900004
7	Nauru	1998	0.859692	0.901619
8	Nauru	1999	0.855559	0.887218
9	Nauru	2000	0.855925	0.875318
10	Nauru	2001	0.857772	0.863824
11	Nauru	2002	0.845386	0.844801
12	Nauru	2003	0.839563	0.830172
13	Nauru	2004	0.843791	0.82551
14	Nauru	2005	0.830454	0.805166
15	Nauru	2006	0.821763	0.78876
16	Nauru	2007	0.806174	0.767626
17	Nauru	2008	0.793628	0.750901
18	Nauru	2009	0.787585	0.740255
19	Nauru	2010	0.783428	0.733114
20	Nauru	2011	0.782513	0.727983
21	Nauru	2012	0.78002	0.722149
22	Nauru	2013	0.779317	0.718327
23	Nauru	2014	0.776438	0.713153
24	Nauru	2015	0.78012	0.712964
25	Nauru	2016	0.786155	0.71382
26	Nauru	2017	0.797984	0.719267
27	Nauru	2018	0.809922	0.723824
28	Nauru	2019	0.822037	0.727821
29	Nepal	1990	1.006487	0.88658
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Nepal	1991	1.008787	0.889125
Nepal	1992	1.017032	0.897647
Nepal	1993	1.009764	0.893959
Nepal	1994	0.999923	0.887975
Nepal	1995	0.980684	0.874587
Nepal	1996	0.960356	0.859834
Nepal	1997	0.932334	0.838205
Nepal	1998	0.9169	0.826599
Nepal	1999	0.913889	0.824936
Nepal	2000	0.891626	0.807733
Nepal	2001	0.885184	0.803387
Nepal	2002	0.88509	0.80353
Nepal	2003	0.886223	0.804379
Nepal	2004	0.88261	0.801964
Nepal	2005	0.88549	0.803022
Nepal	2006	0.885284	0.802625
Nepal	2007	0.895269	0.810404
Nepal	2008	0.906467	0.818901
Nepal	2009	0.920021	0.829422
Nepal	2010	0.946883	0.850073
Nepal	2011	0.956762	0.857514
Nepal	2012	0.976914	0.871798
Nepal	2013	0.994293	0.883126
Nepal	2014	1.016476	0.898038
Nepal	2015	1.035396	0.907818

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5	Nepal	2016	1.049671	0.914186
6	Nepal	2017	1.063584	0.920054
7	Nepal	2018	1.076166	0.92446
8	Nepal	2019	1.087308	0.926945
9	Nepal	2019	1.087308	0.926945
10	Netherlands	1990	1.447557	0.744821
11	Netherlands	1991	1.476313	0.748788
12	Netherlands	1992	1.479029	0.741339
13	Netherlands	1993	1.466228	0.727559
14	Netherlands	1994	1.509769	0.744292
15	Netherlands	1995	1.525182	0.750735
16	Netherlands	1996	1.511319	0.746839
17	Netherlands	1997	1.502871	0.745412
18	Netherlands	1998	1.468095	0.728972
19	Netherlands	1999	1.439072	0.71541
20	Netherlands	2000	1.39814	0.697868
21	Netherlands	2001	1.413555	0.709338
22	Netherlands	2002	1.425754	0.719386
23	Netherlands	2003	1.388924	0.704545
24	Netherlands	2004	1.400944	0.709384
25	Netherlands	2005	1.401287	0.709922
26	Netherlands	2006	1.401839	0.710847
27	Netherlands	2007	1.402669	0.714385
28	Netherlands	2008	1.406942	0.72216
29	Netherlands	2009	1.40736	0.727049
30	Netherlands	2010	1.421272	0.736793
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5	Netherlands	2011	1.446806	0.757099
6	Netherlands	2012	1.442136	0.762483
7	Netherlands	2013	1.430792	0.767487
8	Netherlands	2014	1.440957	0.786282
9	Netherlands	2015	1.412873	0.785196
10	Netherlands	2016	1.402363	0.791495
11	Netherlands	2017	1.364227	0.786008
12	Netherlands	2018	1.345275	0.792336
13	Netherlands	2019	1.31752	0.791067
14	Netherlands	2019	1.31752	0.791067
15	Netherlands	2019	1.31752	0.791067
16	Netherlands	2019	1.31752	0.791067
17	New Zealand	1990	1.066192	0.705987
18	New Zealand	1991	1.063794	0.698293
19	New Zealand	1992	0.993804	0.647648
20	New Zealand	1993	0.990158	0.641685
21	New Zealand	1994	0.975831	0.628564
22	New Zealand	1995	0.987665	0.632708
23	New Zealand	1996	1.006324	0.639629
24	New Zealand	1997	0.977481	0.622835
25	New Zealand	1998	0.981552	0.627138
26	New Zealand	1999	0.975372	0.624972
27	New Zealand	2000	0.962181	0.62377
28	New Zealand	2001	0.943874	0.613128
29	New Zealand	2002	0.97546	0.637451
30	New Zealand	2003	0.971302	0.637979
31	New Zealand	2004	0.993113	0.655944
32	New Zealand	2005	0.992803	0.66123
33	New Zealand	2005	0.992803	0.66123
34	New Zealand	2005	0.992803	0.66123
35	New Zealand	2005	0.992803	0.66123
36	New Zealand	2005	0.992803	0.66123
37	New Zealand	2005	0.992803	0.66123
38	New Zealand	2005	0.992803	0.66123
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New Zealand	2006	0.984374	0.661881
New Zealand	2007	0.956275	0.65261
New Zealand	2008	0.960295	0.664472
New Zealand	2009	0.944662	0.656956
New Zealand	2010	0.959474	0.671581
New Zealand	2011	0.954743	0.674297
New Zealand	2012	0.930048	0.664193
New Zealand	2013	0.924215	0.667159
New Zealand	2014	0.91942	0.665934
New Zealand	2015	0.941312	0.687821
New Zealand	2016	0.929588	0.68481
New Zealand	2017	0.927328	0.689256
New Zealand	2018	0.893293	0.670898
New Zealand	2019	0.881984	0.667259
Nicaragua	1990	0.522688	0.397753
Nicaragua	1991	0.514671	0.395575
Nicaragua	1992	0.515144	0.395474
Nicaragua	1993	0.52376	0.401308
Nicaragua	1994	0.495389	0.382344
Nicaragua	1995	0.657199	0.544353
Nicaragua	1996	0.644636	0.542242
Nicaragua	1997	0.630431	0.535664
Nicaragua	1998	0.618795	0.531651
Nicaragua	1999	0.572153	0.497733
Nicaragua	2000	0.578434	0.508295

Nicaragua	2001	0.593106	0.527615
Nicaragua	2002	0.583986	0.525227
Nicaragua	2003	0.551447	0.49958
Nicaragua	2004	0.557455	0.50602
Nicaragua	2005	0.538036	0.48986
Nicaragua	2006	0.52597	0.477105
Nicaragua	2007	0.544361	0.49303
Nicaragua	2008	0.539564	0.48876
Nicaragua	2009	0.545132	0.49153
Nicaragua	2010	0.550934	0.493435
Nicaragua	2011	0.535405	0.477532
Nicaragua	2012	0.522062	0.46299
Nicaragua	2013	0.524102	0.460842
Nicaragua	2014	0.537312	0.467204
Nicaragua	2015	0.557047	0.479269
Nicaragua	2016	0.541955	0.463483
Nicaragua	2017	0.558139	0.471183
Nicaragua	2018	0.560598	0.468403
Nicaragua	2019	0.562831	0.466458
Niger	1990	0.810415	0.758079
Niger	1991	0.826226	0.773965
Niger	1992	0.838852	0.788117
Niger	1993	0.845358	0.798159
Niger	1994	0.855762	0.808671
Niger	1995	0.860737	0.809156

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Niger	1996	0.856771	0.807281
Niger	1997	0.855472	0.806414
Niger	1998	0.843432	0.798485
Niger	1999	0.828745	0.782915
Niger	2000	0.819592	0.771369
Niger	2001	0.806746	0.759651
Niger	2002	0.797001	0.752312
Niger	2003	0.787058	0.746425
Niger	2004	0.775544	0.739366
Niger	2005	0.766949	0.727909
Niger	2006	0.756655	0.71908
Niger	2007	0.750941	0.711134
Niger	2008	0.743702	0.704064
Niger	2009	0.735897	0.69378
Niger	2010	0.727739	0.684338
Niger	2011	0.726785	0.678833
Niger	2012	0.724445	0.674636
Niger	2013	0.718303	0.669687
Niger	2014	0.722409	0.67305
Niger	2015	0.724784	0.671592
Niger	2016	0.724831	0.672213
Niger	2017	0.726952	0.673326
Niger	2018	0.721766	0.673434
Niger	2019	0.724118	0.675679
Nigeria	1990	0.942702	0.872561

Nigeria	1991	0.934436	0.872282
Nigeria	1992	0.924894	0.872943
Nigeria	1993	0.914077	0.870767
Nigeria	1994	0.906826	0.871447
Nigeria	1995	0.895881	0.866064
Nigeria	1996	0.885105	0.861683
Nigeria	1997	0.881762	0.864812
Nigeria	1998	0.87083	0.860374
Nigeria	1999	0.852298	0.847813
Nigeria	2000	0.834291	0.834275
Nigeria	2001	0.819429	0.824864
Nigeria	2002	0.807634	0.81888
Nigeria	2003	0.793461	0.811085
Nigeria	2004	0.783844	0.806558
Nigeria	2005	0.771572	0.797225
Nigeria	2006	0.765569	0.792637
Nigeria	2007	0.759324	0.78688
Nigeria	2008	0.75287	0.779753
Nigeria	2009	0.745507	0.769981
Nigeria	2010	0.736712	0.759652
Nigeria	2011	0.734046	0.753786
Nigeria	2012	0.737838	0.751281
Nigeria	2013	0.734996	0.740608
Nigeria	2014	0.742661	0.740121
Nigeria	2015	0.754025	0.743835

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Nigeria	2016	0.763335	0.745167
Nigeria	2017	0.778616	0.75156
Nigeria	2018	0.793522	0.757511
Nigeria	2019	0.810217	0.764132
Niue	1990	1.190231	0.775411
Niue	1991	1.194033	0.789915
Niue	1992	1.207319	0.812242
Niue	1993	1.20373	0.823011
Niue	1994	1.178585	0.817084
Niue	1995	1.157887	0.813367
Niue	1996	1.143385	0.814647
Niue	1997	1.133241	0.820008
Niue	1998	1.099876	0.807742
Niue	1999	1.073953	0.798718
Niue	2000	1.048715	0.788429
Niue	2001	1.012068	0.767538
Niue	2002	1.005777	0.76615
Niue	2003	0.992871	0.757578
Niue	2004	1.011142	0.772571
Niue	2005	0.978883	0.747352
Niue	2006	0.972596	0.743419
Niue	2007	0.95894	0.733977
Niue	2008	0.95539	0.73326
Niue	2009	0.939876	0.721684
Niue	2010	0.926776	0.71016

Niue	2011	0.91639	0.701185
Niue	2012	0.907389	0.69404
Niue	2013	0.901788	0.689627
Niue	2014	0.895694	0.683761
Niue	2015	0.894766	0.680007
Niue	2016	0.892505	0.676161
Niue	2017	0.893889	0.676244
Niue	2018	0.890768	0.674944
Niue	2019	0.887772	0.673264
North Macedonia	1990	0.680204	0.58975
North Macedonia	1991	0.68378	0.5956
North Macedonia	1992	0.664624	0.571964
North Macedonia	1993	0.644703	0.547151
North Macedonia	1994	0.663149	0.555907
North Macedonia	1995	0.671096	0.552266
North Macedonia	1996	0.695813	0.563928
North Macedonia	1997	0.741597	0.594207
North Macedonia	1998	0.771646	0.617339
North Macedonia	1999	0.777685	0.616422
North Macedonia	2000	0.797954	0.622484
North Macedonia	2001	0.778443	0.606375
North Macedonia	2002	0.749492	0.587121
North Macedonia	2003	0.769429	0.60026
North Macedonia	2004	0.792515	0.614197
North Macedonia	2005	0.783544	0.610202

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North Macedonia	2006	0.767706	0.60037
North Macedonia	2007	0.791232	0.612007
North Macedonia	2008	0.790856	0.612737
North Macedonia	2009	0.763725	0.598462
North Macedonia	2010	0.778915	0.614822
North Macedonia	2011	0.793147	0.637721
North Macedonia	2012	0.811289	0.66772
North Macedonia	2013	0.780544	0.642134
North Macedonia	2014	0.776893	0.636497
North Macedonia	2015	0.799244	0.654666
North Macedonia	2016	0.786323	0.643621
North Macedonia	2017	0.788026	0.643868
North Macedonia	2018	0.795756	0.652467
North Macedonia	2019	0.797522	0.654678
Northern Mariana Islands	1990	0.904061	1.155126
Northern Mariana Islands	1991	0.908144	1.156065
Northern Mariana Islands	1992	0.940581	1.169589
Northern Mariana Islands	1993	0.975433	1.173898
Northern Mariana Islands	1994	1.002007	1.17191
Northern Mariana Islands	1995	1.003151	1.154852
Northern Mariana Islands	1996	0.987202	1.126734
Northern Mariana Islands	1997	0.968009	1.097328
Northern Mariana Islands	1998	0.947527	1.065921
Northern Mariana Islands	1999	0.959593	1.066621
Northern Mariana Islands	2000	0.952837	1.060532

Northern Mariana Islands	2001	0.991994	1.099375
Northern Mariana Islands	2002	0.987834	1.094556
Northern Mariana Islands	2003	0.979144	1.077003
Northern Mariana Islands	2004	0.978766	1.061672
Northern Mariana Islands	2005	0.955494	1.027025
Northern Mariana Islands	2006	0.935982	1.000809
Northern Mariana Islands	2007	0.897664	0.960032
Northern Mariana Islands	2008	0.864887	0.927883
Northern Mariana Islands	2009	0.838403	0.903614
Northern Mariana Islands	2010	0.815518	0.876638
Northern Mariana Islands	2011	0.817938	0.865424
Northern Mariana Islands	2012	0.827228	0.851935
Northern Mariana Islands	2013	0.852758	0.850358
Northern Mariana Islands	2014	0.875267	0.849207
Northern Mariana Islands	2015	0.888178	0.851222
Northern Mariana Islands	2016	0.885488	0.844042
Northern Mariana Islands	2017	0.888524	0.842979
Northern Mariana Islands	2018	0.887991	0.841535
Northern Mariana Islands	2019	0.885281	0.840043
Norway	1990	0.75453	0.444114
Norway	1991	0.76261	0.443497
Norway	1992	0.753197	0.43253
Norway	1993	0.762236	0.431351
Norway	1994	0.781039	0.438624
Norway	1995	0.763202	0.424597



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Norway	1996	0.758874	0.419658
Norway	1997	0.75473	0.412952
Norway	1998	0.774382	0.420472
Norway	1999	0.804349	0.433843
Norway	2000	0.825601	0.441517
Norway	2001	0.853106	0.453431
Norway	2002	0.867374	0.459636
Norway	2003	0.880328	0.464835
Norway	2004	0.889531	0.470566
Norway	2005	0.89659	0.476656
Norway	2006	0.922606	0.490047
Norway	2007	0.907665	0.483353
Norway	2008	0.911053	0.485221
Norway	2009	0.928439	0.497259
Norway	2010	0.935386	0.504449
Norway	2011	0.92996	0.505624
Norway	2012	0.945872	0.517948
Norway	2013	0.94377	0.523526
Norway	2014	0.921463	0.517737
Norway	2015	0.916327	0.521282
Norway	2016	0.921739	0.532769
Norway	2017	0.936924	0.549344
Norway	2018	0.918215	0.550188
Norway	2019	0.878137	0.537045
Oman	1990	0.979395	0.855588

Oman	1991	0.973416	0.875397
Oman	1992	0.949128	0.87044
Oman	1993	0.928445	0.864161
Oman	1994	0.918156	0.861888
Oman	1995	0.904759	0.858133
Oman	1996	0.87801	0.851048
Oman	1997	0.854061	0.839597
Oman	1998	0.840761	0.832031
Oman	1999	0.837351	0.831819
Oman	2000	0.834719	0.835971
Oman	2001	0.827618	0.842637
Oman	2002	0.836788	0.865047
Oman	2003	0.845547	0.873422
Oman	2004	0.855899	0.869597
Oman	2005	0.876488	0.894328
Oman	2006	0.881398	0.931667
Oman	2007	0.83088	0.881098
Oman	2008	0.794738	0.829971
Oman	2009	0.813201	0.848894
Oman	2010	0.846076	0.885023
Oman	2011	0.828041	0.880499
Oman	2012	0.795644	0.823064
Oman	2013	0.786745	0.844324
Oman	2014	0.832188	0.90246
Oman	2015	0.831518	0.871769

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Oman	2016	0.822027	0.839947
Oman	2017	0.850428	0.847046
Oman	2018	0.903009	0.894798
Oman	2019	0.928841	0.907248
Pakistan	1990	0.769579	0.859356
Pakistan	1991	0.77647	0.861193
Pakistan	1992	0.790828	0.870807
Pakistan	1993	0.795747	0.870075
Pakistan	1994	0.805727	0.87484
Pakistan	1995	0.818759	0.883548
Pakistan	1996	0.825433	0.884969
Pakistan	1997	0.83398	0.887684
Pakistan	1998	0.842863	0.891115
Pakistan	1999	0.855256	0.899086
Pakistan	2000	0.86957	0.91118
Pakistan	2001	0.872852	0.911187
Pakistan	2002	0.871058	0.904883
Pakistan	2003	0.880193	0.910245
Pakistan	2004	0.877101	0.904079
Pakistan	2005	0.872892	0.897924
Pakistan	2006	0.872655	0.894325
Pakistan	2007	0.872149	0.891288
Pakistan	2008	0.875317	0.890402
Pakistan	2009	0.878341	0.890376
Pakistan	2010	0.878473	0.888904

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5	Pakistan	2011	0.877758	0.884423
6	Pakistan	2012	0.873696	0.878442
7	Pakistan	2013	0.883067	0.885333
8	Pakistan	2014	0.882844	0.883889
9	Pakistan	2015	0.881913	0.881605
10	Pakistan	2016	0.881354	0.879779
11	Pakistan	2017	0.883992	0.881982
12	Pakistan	2018	0.88619	0.884133
13	Pakistan	2019	0.889084	0.887167
14	Palau	1990	0.590726	0.567074
15	Palau	1991	0.592484	0.570484
16	Palau	1992	0.597138	0.577494
17	Palau	1993	0.598439	0.583652
18	Palau	1994	0.607683	0.594125
19	Palau	1995	0.602122	0.598155
20	Palau	1996	0.594922	0.602471
21	Palau	1997	0.583794	0.605164
22	Palau	1998	0.569959	0.607432
23	Palau	1999	0.552715	0.606219
24	Palau	2000	0.535765	0.600872
25	Palau	2001	0.527349	0.594391
26	Palau	2002	0.528002	0.591384
27	Palau	2003	0.527773	0.584654
28	Palau	2004	0.551456	0.599923
29	Palau	2005	0.561114	0.60323
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5	Palau	2006	0.560422	0.591128
6	Palau	2007	0.553735	0.574366
7	Palau	2008	0.548002	0.561176
8	Palau	2009	0.544165	0.552275
9	Palau	2010	0.540527	0.545934
10	Palau	2011	0.537092	0.540225
11	Palau	2012	0.533922	0.535625
12	Palau	2013	0.533608	0.534197
13	Palau	2014	0.531007	0.530978
14	Palau	2015	0.529723	0.529574
15	Palau	2016	0.529932	0.529197
16	Palau	2017	0.533105	0.531537
17	Palau	2018	0.535611	0.532533
18	Palau	2019	0.538439	0.532765
19	Palestine	1990	1.096766	0.844508
20	Palestine	1991	1.091591	0.837304
21	Palestine	1992	1.084402	0.829288
22	Palestine	1993	1.079099	0.822787
23	Palestine	1994	1.078678	0.820767
24	Palestine	1995	1.07913	0.819914
25	Palestine	1996	1.078497	0.818714
26	Palestine	1997	1.046346	0.793599
27	Palestine	1998	1.00854	0.764127
28	Palestine	1999	0.968609	0.734114
29	Palestine	2000	0.941176	0.712675
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5	Palestine	2001	0.911024	0.687406
6	Palestine	2002	0.883868	0.663667
7	Palestine	2003	0.868165	0.64945
8	Palestine	2004	0.866073	0.644743
9	Palestine	2005	0.862481	0.641533
10	Palestine	2006	0.86778	0.645021
11	Palestine	2007	0.888549	0.660241
12	Palestine	2008	0.918877	0.687188
13	Palestine	2009	0.938756	0.70351
14	Palestine	2010	0.97194	0.724081
15	Palestine	2011	0.972628	0.724938
16	Palestine	2012	0.957763	0.721228
17	Palestine	2013	0.962405	0.732859
18	Palestine	2014	0.945347	0.721619
19	Palestine	2015	0.981757	0.74991
20	Palestine	2016	1.030033	0.788183
21	Palestine	2017	1.031354	0.790637
22	Palestine	2018	1.009338	0.781943
23	Palestine	2019	1.007945	0.795501
24	Panama	1990	0.684806	0.673883
25	Panama	1991	0.662354	0.648572
26	Panama	1992	0.682867	0.663984
27	Panama	1993	0.622521	0.60272
28	Panama	1994	0.632837	0.60781
29	Panama	1995	0.609146	0.578484
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Panama	1996	0.649564	0.611483
Panama	1997	0.695155	0.650684
Panama	1998	0.755965	0.707313
Panama	1999	0.726618	0.67976
Panama	2000	0.755907	0.704044
Panama	2001	0.753036	0.698864
Panama	2002	0.744099	0.687659
Panama	2003	0.745748	0.685298
Panama	2004	0.776886	0.713745
Panama	2005	0.74812	0.688865
Panama	2006	0.721141	0.662738
Panama	2007	0.704199	0.645755
Panama	2008	0.673904	0.615725
Panama	2009	0.672603	0.61248
Panama	2010	0.660371	0.597237
Panama	2011	0.680747	0.613704
Panama	2012	0.671265	0.603026
Panama	2013	0.709723	0.637278
Panama	2014	0.703626	0.631
Panama	2015	0.696567	0.623082
Panama	2016	0.695587	0.620452
Panama	2017	0.686796	0.611485
Panama	2018	0.70711	0.629843
Panama	2019	0.702706	0.625932
Papua New Guinea	1990	0.510353	0.520489

Papua New Guinea	1991	0.507586	0.517922
Papua New Guinea	1992	0.507342	0.516734
Papua New Guinea	1993	0.505816	0.514488
Papua New Guinea	1994	0.504687	0.513087
Papua New Guinea	1995	0.503742	0.512226
Papua New Guinea	1996	0.507201	0.51616
Papua New Guinea	1997	0.510876	0.518938
Papua New Guinea	1998	0.51547	0.522528
Papua New Guinea	1999	0.518813	0.525667
Papua New Guinea	2000	0.520481	0.527957
Papua New Guinea	2001	0.520252	0.52839
Papua New Guinea	2002	0.521909	0.529584
Papua New Guinea	2003	0.522595	0.530408
Papua New Guinea	2004	0.523892	0.532711
Papua New Guinea	2005	0.520392	0.530805
Papua New Guinea	2006	0.522667	0.534894
Papua New Guinea	2007	0.521963	0.535709
Papua New Guinea	2008	0.515748	0.531163
Papua New Guinea	2009	0.51058	0.528153
Papua New Guinea	2010	0.50998	0.528219
Papua New Guinea	2011	0.504127	0.522987
Papua New Guinea	2012	0.499902	0.520138
Papua New Guinea	2013	0.494541	0.517163
Papua New Guinea	2014	0.490763	0.51518
Papua New Guinea	2015	0.490012	0.516154



Papua New Guinea	2016	0.488799	0.517054
Papua New Guinea	2017	0.489673	0.518489
Papua New Guinea	2018	0.488274	0.517236
Papua New Guinea	2019	0.487062	0.516906
Paraguay	1990	0.87285	0.733251
Paraguay	1991	0.871421	0.73538
Paraguay	1992	0.861984	0.731253
Paraguay	1993	0.893227	0.763558
Paraguay	1994	0.874891	0.750756
Paraguay	1995	0.891905	0.767908
Paraguay	1996	0.894482	0.771026
Paraguay	1997	0.90991	0.786707
Paraguay	1998	0.891224	0.772082
Paraguay	1999	0.892023	0.776159
Paraguay	2000	0.908794	0.790837
Paraguay	2001	0.900237	0.782912
Paraguay	2002	0.900709	0.784708
Paraguay	2003	0.899833	0.784946
Paraguay	2004	0.905188	0.78769
Paraguay	2005	0.906572	0.78923
Paraguay	2006	0.919604	0.800699
Paraguay	2007	0.895242	0.778963
Paraguay	2008	0.8998	0.782922
Paraguay	2009	0.887053	0.770607
Paraguay	2010	0.889014	0.769331

Paraguay	2011	0.893574	0.772361
Paraguay	2012	0.880004	0.758167
Paraguay	2013	0.894597	0.76836
Paraguay	2014	0.863302	0.743413
Paraguay	2015	0.829355	0.715781
Paraguay	2016	0.841111	0.72518
Paraguay	2017	0.843696	0.726201
Paraguay	2018	0.843366	0.725494
Paraguay	2019	0.836684	0.71842
Peru	1990	0.913601	0.863955
Peru	1991	1.00472	0.948777
Peru	1992	1.044879	0.98688
Peru	1993	1.027759	0.970272
Peru	1994	1.115356	1.054376
Peru	1995	1.156215	1.097468
Peru	1996	1.083906	1.03572
Peru	1997	1.079265	1.033944
Peru	1998	1.084938	1.038903
Peru	1999	1.053269	1.008394
Peru	2000	1.05003	1.00284
Peru	2001	1.015949	0.966888
Peru	2002	1.021084	0.968834
Peru	2003	1.050852	0.995309
Peru	2004	1.010514	0.953906
Peru	2005	1.011217	0.949196

Peru	2006	0.971567	0.907069
Peru	2007	0.93459	0.868534
Peru	2008	0.964408	0.891577
Peru	2009	1.005513	0.925821
Peru	2010	1.016288	0.931538
Peru	2011	1.030177	0.940505
Peru	2012	1.051711	0.956412
Peru	2013	1.058485	0.95881
Peru	2014	1.067343	0.963477
Peru	2015	1.06634	0.959772
Peru	2016	1.074129	0.96437
Peru	2017	1.089316	0.975806
Peru	2018	1.098656	0.982166
Peru	2019	1.110745	0.990734
Philippines	1990	0.895381	0.902283
Philippines	1991	0.880509	0.883263
Philippines	1992	0.881702	0.876569
Philippines	1993	0.877133	0.864402
Philippines	1994	0.86956	0.85266
Philippines	1995	0.87258	0.852439
Philippines	1996	0.866278	0.838327
Philippines	1997	0.8542	0.812544
Philippines	1998	0.847416	0.798709
Philippines	1999	0.848855	0.801611
Philippines	2000	0.854486	0.804787

Philippines	2001	0.854201	0.80103
Philippines	2002	0.85769	0.80353
Philippines	2003	0.847201	0.792661
Philippines	2004	0.843162	0.788747
Philippines	2005	0.841734	0.787366
Philippines	2006	0.834808	0.780353
Philippines	2007	0.832589	0.775666
Philippines	2008	0.838592	0.777601
Philippines	2009	0.835108	0.770345
Philippines	2010	0.829964	0.764372
Philippines	2011	0.827424	0.758476
Philippines	2012	0.838945	0.763847
Philippines	2013	0.85046	0.770959
Philippines	2014	0.840941	0.760785
Philippines	2015	0.845221	0.761678
Philippines	2016	0.843903	0.758905
Philippines	2017	0.852911	0.768268
Philippines	2018	0.858187	0.773633
Philippines	2019	0.859915	0.775107
Poland	1990	0.917881	0.594086
Poland	1991	0.90409	0.580834
Poland	1992	0.919908	0.58486
Poland	1993	0.946987	0.594748
Poland	1994	0.960281	0.600366
Poland	1995	0.958064	0.595011

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5	Poland	1996	0.985587	0.604305
6	Poland	1997	0.999282	0.608044
7	Poland	1998	1.016292	0.611599
8	Poland	1999	1.025894	0.611673
9	Poland	2000	1.053107	0.615915
10	Poland	2001	1.045756	0.604648
11	Poland	2002	1.042927	0.59748
12	Poland	2003	1.038911	0.591794
13	Poland	2004	1.041969	0.592438
14	Poland	2005	1.070954	0.608519
15	Poland	2006	1.101807	0.627874
16	Poland	2007	1.126684	0.643817
17	Poland	2008	1.09441	0.626611
18	Poland	2009	1.086273	0.622186
19	Poland	2010	1.050341	0.600421
20	Poland	2011	1.022768	0.5837
21	Poland	2012	1.045657	0.594587
22	Poland	2013	1.06034	0.600538
23	Poland	2014	1.095376	0.617875
24	Poland	2015	1.090725	0.612589
25	Poland	2016	1.085856	0.609823
26	Poland	2017	1.063426	0.59996
27	Poland	2018	1.053713	0.59652
28	Poland	2019	1.043147	0.59288
29	Poland	2019	1.043147	0.59288
30	Poland	2019	1.043147	0.59288
31	Poland	2019	1.043147	0.59288
32	Poland	2019	1.043147	0.59288
33	Poland	2019	1.043147	0.59288
34	Poland	2019	1.043147	0.59288
35	Poland	2019	1.043147	0.59288
36	Poland	2019	1.043147	0.59288
37	Portugal	1990	0.884262	0.543926
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Portugal	1991	0.890398	0.549614
Portugal	1992	0.887748	0.548645
Portugal	1993	0.905257	0.559067
Portugal	1994	0.934888	0.578709
Portugal	1995	0.954761	0.593079
Portugal	1996	0.955694	0.595236
Portugal	1997	0.983491	0.612126
Portugal	1998	0.9847	0.611874
Portugal	1999	0.994401	0.611865
Portugal	2000	1.014619	0.622443
Portugal	2001	1.023922	0.627747
Portugal	2002	1.046333	0.641815
Portugal	2003	1.071809	0.658259
Portugal	2004	1.082705	0.665587
Portugal	2005	1.100718	0.675084
Portugal	2006	1.117627	0.682107
Portugal	2007	1.12877	0.685484
Portugal	2008	1.135725	0.684655
Portugal	2009	1.158093	0.693652
Portugal	2010	1.181695	0.701173
Portugal	2011	1.212089	0.712886
Portugal	2012	1.214154	0.709169
Portugal	2013	1.223854	0.710161
Portugal	2014	1.23894	0.71278
Portugal	2015	1.253346	0.718468

Portugal	2016	1.250497	0.714503
Portugal	2017	1.242519	0.710662
Portugal	2018	1.247566	0.715337
Portugal	2019	1.242236	0.713636
Puerto Rico	1990	0.80275	0.669891
Puerto Rico	1991	0.809018	0.669491
Puerto Rico	1992	0.805713	0.661874
Puerto Rico	1993	0.80907	0.659305
Puerto Rico	1994	0.823879	0.665447
Puerto Rico	1995	0.795614	0.637683
Puerto Rico	1996	0.821616	0.653485
Puerto Rico	1997	0.806042	0.636572
Puerto Rico	1998	0.783507	0.61465
Puerto Rico	1999	0.830368	0.646628
Puerto Rico	2000	0.847044	0.655127
Puerto Rico	2001	0.813541	0.623902
Puerto Rico	2002	0.837027	0.636125
Puerto Rico	2003	0.849227	0.641471
Puerto Rico	2004	0.851207	0.638502
Puerto Rico	2005	0.819532	0.609731
Puerto Rico	2006	0.828059	0.610677
Puerto Rico	2007	0.851411	0.623053
Puerto Rico	2008	0.870717	0.634801
Puerto Rico	2009	0.835635	0.606872
Puerto Rico	2010	0.873679	0.632793

Puerto Rico	2011	0.865857	0.627258
Puerto Rico	2012	0.864947	0.620861
Puerto Rico	2013	0.87645	0.628923
Puerto Rico	2014	0.887603	0.635695
Puerto Rico	2015	0.868531	0.617416
Puerto Rico	2016	0.888741	0.631972
Puerto Rico	2017	0.888622	0.629582
Puerto Rico	2018	0.911225	0.642743
Puerto Rico	2019	0.924823	0.650285
Qatar	1990	0.952955	1.265583
Qatar	1991	0.901362	1.196006
Qatar	1992	0.878474	1.194201
Qatar	1993	0.898298	1.317721
Qatar	1994	0.910554	1.544928
Qatar	1995	0.875373	1.597969
Qatar	1996	0.813587	1.370316
Qatar	1997	0.763374	1.260175
Qatar	1998	0.741687	1.250523
Qatar	1999	0.752939	1.33758
Qatar	2000	0.763105	1.470088
Qatar	2001	0.776966	1.566502
Qatar	2002	0.775655	1.635752
Qatar	2003	0.76026	1.672719
Qatar	2004	0.769387	1.81363
Qatar	2005	0.780175	1.889947



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Qatar	2006	0.75546	1.899169
Qatar	2007	0.740074	1.926302
Qatar	2008	0.708016	1.953539
Qatar	2009	0.686412	2.077397
Qatar	2010	0.675395	2.109451
Qatar	2011	0.652704	2.009032
Qatar	2012	0.635437	1.934902
Qatar	2013	0.645644	1.98802
Qatar	2014	0.649426	1.950938
Qatar	2015	0.59925	1.734004
Qatar	2016	0.609361	1.770803
Qatar	2017	0.624812	1.811416
Qatar	2018	0.631227	1.877501
Qatar	2019	0.623123	1.904559
Republic of Korea	1990	0.857258	0.549206
Republic of Korea	1991	0.875952	0.551973
Republic of Korea	1992	0.905363	0.563273
Republic of Korea	1993	0.922645	0.569835
Republic of Korea	1994	0.927687	0.567936
Republic of Korea	1995	0.968644	0.600595
Republic of Korea	1996	0.983011	0.618658
Republic of Korea	1997	1.005261	0.628044
Republic of Korea	1998	1.022196	0.634332
Republic of Korea	1999	1.047436	0.6421
Republic of Korea	2000	1.072308	0.652147

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5	Republic of Korea	2001	1.084258	0.656648
6	Republic of Korea	2002	1.098332	0.660852
7	Republic of Korea	2003	1.097612	0.658917
8	Republic of Korea	2004	1.07524	0.647505
9	Republic of Korea	2005	1.071843	0.64214
10	Republic of Korea	2006	1.053906	0.631558
11	Republic of Korea	2007	1.044885	0.623151
12	Republic of Korea	2008	1.029952	0.613718
13	Republic of Korea	2009	1.024996	0.609758
14	Republic of Korea	2010	1.018097	0.600666
15	Republic of Korea	2011	1.014423	0.595254
16	Republic of Korea	2012	1.014457	0.594651
17	Republic of Korea	2013	1.016761	0.598625
18	Republic of Korea	2014	1.009222	0.597557
19	Republic of Korea	2015	1.013167	0.598706
20	Republic of Korea	2016	1.015444	0.601958
21	Republic of Korea	2017	1.00616	0.602647
22	Republic of Korea	2018	1.025879	0.621714
23	Republic of Korea	2019	1.022686	0.625971
24	Republic of Moldova	1990	0.848599	0.515396
25	Republic of Moldova	1991	0.818752	0.511245
26	Republic of Moldova	1992	0.812354	0.508411
27	Republic of Moldova	1993	0.824758	0.520016
28	Republic of Moldova	1994	0.758844	0.496269
29	Republic of Moldova	1995	0.723716	0.482553
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5	Republic of Moldova	1996	0.715793	0.47752
6	Republic of Moldova	1997	0.74865	0.492646
7	Republic of Moldova	1998	0.729586	0.478633
8	Republic of Moldova	1999	0.75475	0.494013
9	Republic of Moldova	2000	0.786413	0.514092
10	Republic of Moldova	2001	0.805144	0.526969
11	Republic of Moldova	2002	0.881436	0.580425
12	Republic of Moldova	2003	0.920664	0.606418
13	Republic of Moldova	2004	0.883634	0.573869
14	Republic of Moldova	2005	0.825192	0.541935
15	Republic of Moldova	2006	0.878413	0.571388
16	Republic of Moldova	2007	0.941002	0.612718
17	Republic of Moldova	2008	0.957584	0.626718
18	Republic of Moldova	2009	0.965352	0.637306
19	Republic of Moldova	2010	0.955516	0.637033
20	Republic of Moldova	2011	0.986443	0.647917
21	Republic of Moldova	2012	1.008266	0.659343
22	Republic of Moldova	2013	1.062256	0.694627
23	Republic of Moldova	2014	1.059157	0.69576
24	Republic of Moldova	2015	1.00229	0.644196
25	Republic of Moldova	2016	1.059686	0.666742
26	Republic of Moldova	2017	1.114566	0.69188
27	Republic of Moldova	2018	1.082026	0.672992
28	Republic of Moldova	2019	1.044547	0.651103
29	Romania	1990	1.079553	0.866268
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Romania	1991	1.086222	0.862351
Romania	1992	1.046153	0.826138
Romania	1993	1.029617	0.80953
Romania	1994	1.012606	0.792177
Romania	1995	1.000688	0.777709
Romania	1996	0.983609	0.758064
Romania	1997	0.959848	0.733464
Romania	1998	0.981335	0.736681
Romania	1999	0.997782	0.738726
Romania	2000	0.994107	0.73164
Romania	2001	0.956077	0.70287
Romania	2002	0.951443	0.694438
Romania	2003	0.945295	0.685769
Romania	2004	0.936806	0.672382
Romania	2005	0.962369	0.686111
Romania	2006	0.981261	0.695823
Romania	2007	1.005379	0.708652
Romania	2008	0.989066	0.694823
Romania	2009	0.998743	0.697203
Romania	2010	0.99074	0.686144
Romania	2011	1.001066	0.685511
Romania	2012	0.997056	0.677662
Romania	2013	1.01578	0.685032
Romania	2014	1.005041	0.674832
Romania	2015	1.007222	0.673017

Romania	2016	1.00319	0.668504
Romania	2017	1.008839	0.671674
Romania	2018	1.002935	0.667179
Romania	2019	1.007882	0.667713
Russian Federation	1990	1.237604	0.690445
Russian Federation	1991	1.240021	0.696266
Russian Federation	1992	1.175419	0.674369
Russian Federation	1993	1.095619	0.649003
Russian Federation	1994	1.066959	0.643526
Russian Federation	1995	1.088154	0.651418
Russian Federation	1996	1.13313	0.665031
Russian Federation	1997	1.192142	0.685413
Russian Federation	1998	1.203965	0.68899
Russian Federation	1999	1.163027	0.676473
Russian Federation	2000	1.12748	0.660553
Russian Federation	2001	1.143098	0.666437
Russian Federation	2002	1.151992	0.668583
Russian Federation	2003	1.154748	0.670397
Russian Federation	2004	1.162412	0.672801
Russian Federation	2005	1.157706	0.672401
Russian Federation	2006	1.19925	0.68176
Russian Federation	2007	1.232211	0.690174
Russian Federation	2008	1.223246	0.681691
Russian Federation	2009	1.255663	0.690114
Russian Federation	2010	1.250566	0.683559

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5	Russian Federation	2011	1.286702	0.694845
6	Russian Federation	2012	1.295215	0.692835
7	Russian Federation	2013	1.305034	0.693218
8	Russian Federation	2014	1.302006	0.689733
9	Russian Federation	2015	1.334409	0.703311
10	Russian Federation	2016	1.344511	0.707135
11	Russian Federation	2017	1.394103	0.731382
12	Russian Federation	2018	1.394549	0.735282
13	Russian Federation	2019	1.381232	0.732034
14	Russian Federation	2019	1.381232	0.732034
15	Russian Federation	2019	1.381232	0.732034
16	Russian Federation	2019	1.381232	0.732034
17	Rwanda	1990	0.824395	0.650032
18	Rwanda	1991	0.81081	0.639775
19	Rwanda	1992	0.782385	0.617991
20	Rwanda	1993	0.760105	0.601291
21	Rwanda	1994	0.756358	0.581929
22	Rwanda	1995	0.759429	0.566516
23	Rwanda	1996	0.759521	0.566825
24	Rwanda	1997	0.765052	0.5693
25	Rwanda	1998	0.787475	0.580555
26	Rwanda	1999	0.816803	0.597427
27	Rwanda	2000	0.829663	0.603649
28	Rwanda	2001	0.843068	0.611413
29	Rwanda	2002	0.852925	0.615855
30	Rwanda	2003	0.865838	0.623707
31	Rwanda	2004	0.873066	0.62669
32	Rwanda	2005	0.876651	0.629256
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Rwanda	2006	0.874617	0.628897
Rwanda	2007	0.878535	0.630917
Rwanda	2008	0.887536	0.635571
Rwanda	2009	0.895936	0.641741
Rwanda	2010	0.908779	0.649458
Rwanda	2011	0.918745	0.656101
Rwanda	2012	0.926945	0.661974
Rwanda	2013	0.939974	0.672839
Rwanda	2014	0.956287	0.683731
Rwanda	2015	0.969773	0.693098
Rwanda	2016	0.978654	0.701247
Rwanda	2017	0.990168	0.711922
Rwanda	2018	0.998336	0.721102
Rwanda	2019	1.006308	0.729699
Saint Kitts and Nevis	1990	0.977618	0.720692
Saint Kitts and Nevis	1991	0.777526	0.583399
Saint Kitts and Nevis	1992	0.785881	0.582392
Saint Kitts and Nevis	1993	0.805116	0.592521
Saint Kitts and Nevis	1994	0.839028	0.608603
Saint Kitts and Nevis	1995	0.876303	0.63063
Saint Kitts and Nevis	1996	0.864655	0.621258
Saint Kitts and Nevis	1997	0.863032	0.618292
Saint Kitts and Nevis	1998	0.870163	0.623277
Saint Kitts and Nevis	1999	0.883872	0.634954
Saint Kitts and Nevis	2000	0.915314	0.659458

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5	Saint Kitts and Nevis	2001	0.928859	0.671865
6	Saint Kitts and Nevis	2002	0.937404	0.681404
7	Saint Kitts and Nevis	2003	0.933207	0.684634
8	Saint Kitts and Nevis	2004	0.939514	0.703626
9	Saint Kitts and Nevis	2005	0.924993	0.701387
10	Saint Kitts and Nevis	2006	0.919201	0.70406
11	Saint Kitts and Nevis	2007	0.915181	0.707981
12	Saint Kitts and Nevis	2008	0.952305	0.723867
13	Saint Kitts and Nevis	2009	0.968373	0.732117
14	Saint Kitts and Nevis	2010	0.954543	0.723024
15	Saint Kitts and Nevis	2011	0.948111	0.715818
16	Saint Kitts and Nevis	2012	0.924673	0.698322
17	Saint Kitts and Nevis	2013	0.918237	0.695838
18	Saint Kitts and Nevis	2014	0.906135	0.692654
19	Saint Kitts and Nevis	2015	0.881642	0.680331
20	Saint Kitts and Nevis	2016	0.867707	0.674668
21	Saint Kitts and Nevis	2017	0.850948	0.666632
22	Saint Kitts and Nevis	2018	0.831812	0.66427
23	Saint Kitts and Nevis	2019	0.750426	0.666059
24	Saint Lucia	1990	0.820367	0.585517
25	Saint Lucia	1991	0.834488	0.602001
26	Saint Lucia	1992	0.850757	0.616906
27	Saint Lucia	1993	0.849089	0.617068
28	Saint Lucia	1994	0.839079	0.615244
29	Saint Lucia	1995	0.835752	0.620428
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5	Saint Lucia	1996	0.802615	0.604438
6	Saint Lucia	1997	0.774274	0.589376
7	Saint Lucia	1998	0.782389	0.602523
8	Saint Lucia	1999	0.790826	0.617421
9	Saint Lucia	2000	0.790218	0.620439
10	Saint Lucia	2001	0.777224	0.604588
11	Saint Lucia	2002	0.758923	0.587237
12	Saint Lucia	2003	0.760145	0.586709
13	Saint Lucia	2004	0.775105	0.596586
14	Saint Lucia	2005	0.798511	0.615856
15	Saint Lucia	2006	0.810371	0.630761
16	Saint Lucia	2007	0.751768	0.58511
17	Saint Lucia	2008	0.741994	0.577525
18	Saint Lucia	2009	0.750507	0.586573
19	Saint Lucia	2010	0.760554	0.601201
20	Saint Lucia	2011	0.809689	0.64893
21	Saint Lucia	2012	0.822286	0.664903
22	Saint Lucia	2013	0.799342	0.645977
23	Saint Lucia	2014	0.801771	0.650044
24	Saint Lucia	2015	0.793431	0.646977
25	Saint Lucia	2016	0.788999	0.642229
26	Saint Lucia	2017	0.784017	0.638882
27	Saint Lucia	2018	0.780336	0.636198
28	Saint Lucia	2019	0.778887	0.635259
29	Saint Vincent and the Grenadines	1990	1.055811	0.779191
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5	Saint Vincent and the Grenadines	1991	1.060365	0.797731
6	Saint Vincent and the Grenadines	1992	1.059923	0.810912
7	Saint Vincent and the Grenadines	1993	1.059589	0.821744
8	Saint Vincent and the Grenadines	1994	1.069537	0.844344
9	Saint Vincent and the Grenadines	1995	0.990095	0.786788
10	Saint Vincent and the Grenadines	1996	0.92571	0.739108
11	Saint Vincent and the Grenadines	1997	0.894478	0.717007
12	Saint Vincent and the Grenadines	1998	0.881609	0.708572
13	Saint Vincent and the Grenadines	1999	0.895191	0.717596
14	Saint Vincent and the Grenadines	2000	0.906901	0.727819
15	Saint Vincent and the Grenadines	2001	0.941204	0.766283
16	Saint Vincent and the Grenadines	2002	0.931621	0.760813
17	Saint Vincent and the Grenadines	2003	0.921101	0.754886
18	Saint Vincent and the Grenadines	2004	0.923713	0.758606
19	Saint Vincent and the Grenadines	2005	0.929897	0.771784
20	Saint Vincent and the Grenadines	2006	0.913858	0.763832
21	Saint Vincent and the Grenadines	2007	0.919976	0.775243
22	Saint Vincent and the Grenadines	2008	0.938457	0.802308
23	Saint Vincent and the Grenadines	2009	0.962495	0.834135
24	Saint Vincent and the Grenadines	2010	0.971071	0.849322
25	Saint Vincent and the Grenadines	2011	0.979049	0.865898
26	Saint Vincent and the Grenadines	2012	0.956986	0.863578
27	Saint Vincent and the Grenadines	2013	0.933168	0.860723
28	Saint Vincent and the Grenadines	2014	0.921409	0.863582
29	Saint Vincent and the Grenadines	2015	0.907507	0.86158
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Saint Vincent and the Grenadines	2016	0.873985	0.842537
Saint Vincent and the Grenadines	2017	0.859361	0.837012
Saint Vincent and the Grenadines	2018	0.845672	0.830576
Saint Vincent and the Grenadines	2019	0.833823	0.82454
Samoa	1990	0.980132	0.843734
Samoa	1991	1.000796	0.860756
Samoa	1992	1.023771	0.880098
Samoa	1993	1.031447	0.887633
Samoa	1994	1.049276	0.904544
Samoa	1995	1.068083	0.922056
Samoa	1996	1.09226	0.944345
Samoa	1997	1.116858	0.967899
Samoa	1998	1.143322	0.993029
Samoa	1999	1.164018	1.012467
Samoa	2000	1.177392	1.024988
Samoa	2001	1.172274	1.021756
Samoa	2002	1.173842	1.024537
Samoa	2003	1.149307	1.003549
Samoa	2004	1.138468	0.993735
Samoa	2005	1.108915	0.967133
Samoa	2006	1.073711	0.93589
Samoa	2007	1.042902	0.907576
Samoa	2008	1.016908	0.884179
Samoa	2009	0.997005	0.866721
Samoa	2010	0.976604	0.849334

5	Samoa	2011	0.979265	0.852803
6	Samoa	2012	0.968264	0.845265
7	Samoa	2013	0.953319	0.834396
8	Samoa	2014	0.945781	0.83022
9	Samoa	2015	0.951454	0.837853
10	Samoa	2016	0.955475	0.844459
11	Samoa	2017	0.95904	0.851083
12	Samoa	2018	0.959346	0.855019
13	Samoa	2019	0.959927	0.859111
14	San Marino	1990	1.040527	0.662137
15	San Marino	1991	1.034054	0.656258
16	San Marino	1992	1.028794	0.650989
17	San Marino	1993	1.017848	0.641779
18	San Marino	1994	1.014914	0.637147
19	San Marino	1995	1.022855	0.638643
20	San Marino	1996	1.013723	0.629773
21	San Marino	1997	1.0178	0.629635
22	San Marino	1998	1.035194	0.637541
23	San Marino	1999	1.043112	0.639273
24	San Marino	2000	1.061203	0.647772
25	San Marino	2001	1.10068	0.670472
26	San Marino	2002	1.14621	0.698311
27	San Marino	2003	1.202461	0.735765
28	San Marino	2004	1.23389	0.760178
29	San Marino	2005	1.268334	0.786763

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San Marino	2006	1.273335	0.794871
San Marino	2007	1.275614	0.800868
San Marino	2008	1.277743	0.806368
San Marino	2009	1.28295	0.813942
San Marino	2010	1.285141	0.819464
San Marino	2011	1.287608	0.82488
San Marino	2012	1.291652	0.831402
San Marino	2013	1.289952	0.834102
San Marino	2014	1.286467	0.835325
San Marino	2015	1.283363	0.83659
San Marino	2016	1.277029	0.835106
San Marino	2017	1.264401	0.829351
San Marino	2018	1.251972	0.823236
San Marino	2019	1.24039	0.817325
Sao Tome and Principe	1990	1.091374	0.933524
Sao Tome and Principe	1991	1.113804	0.953047
Sao Tome and Principe	1992	1.139972	0.980625
Sao Tome and Principe	1993	1.215059	1.081878
Sao Tome and Principe	1994	1.239155	1.109895
Sao Tome and Principe	1995	1.238259	1.114617
Sao Tome and Principe	1996	1.244594	1.125181
Sao Tome and Principe	1997	1.254845	1.138117
Sao Tome and Principe	1998	1.258592	1.1408
Sao Tome and Principe	1999	1.273254	1.152136
Sao Tome and Principe	2000	1.308013	1.172362

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5	Sao Tome and Principe	2001	1.29916	1.159733
6	Sao Tome and Principe	2002	1.282631	1.149629
7	Sao Tome and Principe	2003	1.269253	1.131711
8	Sao Tome and Principe	2004	1.255308	1.12558
9	Sao Tome and Principe	2005	1.212922	1.088347
10	Sao Tome and Principe	2006	1.221649	1.093759
11	Sao Tome and Principe	2007	1.246116	1.111153
12	Sao Tome and Principe	2008	1.226771	1.095035
13	Sao Tome and Principe	2009	1.23417	1.099047
14	Sao Tome and Principe	2010	1.258555	1.117148
15	Sao Tome and Principe	2011	1.232555	1.096997
16	Sao Tome and Principe	2012	1.205056	1.075871
17	Sao Tome and Principe	2013	1.198096	1.069787
18	Sao Tome and Principe	2014	1.213287	1.080153
19	Sao Tome and Principe	2015	1.213986	1.080881
20	Sao Tome and Principe	2016	1.216079	1.082527
21	Sao Tome and Principe	2017	1.219651	1.086355
22	Sao Tome and Principe	2018	1.220924	1.08889
23	Sao Tome and Principe	2019	1.219127	1.08909
24	Saudi Arabia	1990	0.695398	0.829786
25	Saudi Arabia	1991	0.712169	0.854348
26	Saudi Arabia	1992	0.719496	0.867184
27	Saudi Arabia	1993	0.727002	0.878748
28	Saudi Arabia	1994	0.742709	0.898777
29	Saudi Arabia	1995	0.761874	0.922789
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Saudi Arabia	1996	0.784305	0.947356
Saudi Arabia	1997	0.804263	0.967726
Saudi Arabia	1998	0.810679	0.973063
Saudi Arabia	1999	0.816395	0.976741
Saudi Arabia	2000	0.820477	0.983554
Saudi Arabia	2001	0.821211	0.976888
Saudi Arabia	2002	0.827178	0.977433
Saudi Arabia	2003	0.822493	0.962185
Saudi Arabia	2004	0.821679	0.95553
Saudi Arabia	2005	0.815244	0.948694
Saudi Arabia	2006	0.810154	0.94029
Saudi Arabia	2007	0.800765	0.931723
Saudi Arabia	2008	0.786844	0.922069
Saudi Arabia	2009	0.772323	0.91303
Saudi Arabia	2010	0.76119	0.911913
Saudi Arabia	2011	0.745556	0.899816
Saudi Arabia	2012	0.73911	0.89891
Saudi Arabia	2013	0.736146	0.907402
Saudi Arabia	2014	0.739157	0.923105
Saudi Arabia	2015	0.740954	0.940363
Saudi Arabia	2016	0.745207	0.95483
Saudi Arabia	2017	0.752481	0.975445
Saudi Arabia	2018	0.758989	0.995576
Saudi Arabia	2019	0.763422	1.013679
Senegal	1990	0.884747	0.858724

Senegal	1991	0.891844	0.862058
Senegal	1992	0.896679	0.863392
Senegal	1993	0.898105	0.862398
Senegal	1994	0.899111	0.862183
Senegal	1995	0.899343	0.859763
Senegal	1996	0.898532	0.857803
Senegal	1997	0.886586	0.844268
Senegal	1998	0.88376	0.840365
Senegal	1999	0.881527	0.836596
Senegal	2000	0.879275	0.831594
Senegal	2001	0.872506	0.825969
Senegal	2002	0.870204	0.822799
Senegal	2003	0.873973	0.821234
Senegal	2004	0.850079	0.798413
Senegal	2005	0.827835	0.77646
Senegal	2006	0.808141	0.756535
Senegal	2007	0.794045	0.741842
Senegal	2008	0.77887	0.72756
Senegal	2009	0.767907	0.716548
Senegal	2010	0.767865	0.711673
Senegal	2011	0.767131	0.709302
Senegal	2012	0.765409	0.707099
Senegal	2013	0.761534	0.704161
Senegal	2014	0.764675	0.707866
Senegal	2015	0.770795	0.712137



Senegal	2016	0.779506	0.720298
Senegal	2017	0.787654	0.727948
Senegal	2018	0.79524	0.735888
Senegal	2019	0.802915	0.743064
Serbia	1990	0.73799	0.603061
Serbia	1991	0.751915	0.61215
Serbia	1992	0.745895	0.598418
Serbia	1993	0.766901	0.611856
Serbia	1994	0.781888	0.620647
Serbia	1995	0.792746	0.626364
Serbia	1996	0.802507	0.635855
Serbia	1997	0.815138	0.652642
Serbia	1998	0.778837	0.621888
Serbia	1999	0.794648	0.623776
Serbia	2000	0.769534	0.605957
Serbia	2001	0.77247	0.605364
Serbia	2002	0.734907	0.574323
Serbia	2003	0.746359	0.581392
Serbia	2004	0.746084	0.578442
Serbia	2005	0.760475	0.588941
Serbia	2006	0.76393	0.589334
Serbia	2007	0.77937	0.595466
Serbia	2008	0.801348	0.61088
Serbia	2009	0.83196	0.636222
Serbia	2010	0.852949	0.653777

Serbia	2011	0.863156	0.660403
Serbia	2012	0.88227	0.670731
Serbia	2013	0.853039	0.639376
Serbia	2014	0.87394	0.650601
Serbia	2015	0.899328	0.670437
Serbia	2016	0.926887	0.690613
Serbia	2017	0.925711	0.690169
Serbia	2018	0.933605	0.693648
Serbia	2019	0.933707	0.696426
Seychelles	1990	1.017107	0.702428
Seychelles	1991	1.020898	0.697742
Seychelles	1992	1.022397	0.693457
Seychelles	1993	1.02782	0.692034
Seychelles	1994	1.017442	0.68456
Seychelles	1995	1.016606	0.679526
Seychelles	1996	1.045304	0.695115
Seychelles	1997	1.092161	0.725276
Seychelles	1998	1.128929	0.75104
Seychelles	1999	1.142566	0.765246
Seychelles	2000	1.186127	0.802943
Seychelles	2001	1.202158	0.822396
Seychelles	2002	1.188011	0.82041
Seychelles	2003	1.171268	0.813173
Seychelles	2004	1.209464	0.842131
Seychelles	2005	1.169282	0.805472

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Seychelles	2006	1.185979	0.818787
Seychelles	2007	1.214313	0.845111
Seychelles	2008	1.2311	0.859386
Seychelles	2009	1.197098	0.834808
Seychelles	2010	1.212228	0.867157
Seychelles	2011	1.228304	0.902733
Seychelles	2012	1.192854	0.880645
Seychelles	2013	1.216633	0.907188
Seychelles	2014	1.212517	0.925165
Seychelles	2015	1.169363	0.915602
Seychelles	2016	1.134994	0.909444
Seychelles	2017	1.109851	0.89732
Seychelles	2018	1.097048	0.897572
Seychelles	2019	1.082504	0.898742
Sierra Leone	1990	0.787919	0.795377
Sierra Leone	1991	0.790962	0.792612
Sierra Leone	1992	0.792598	0.791321
Sierra Leone	1993	0.792881	0.789444
Sierra Leone	1994	0.810527	0.795239
Sierra Leone	1995	0.815354	0.795979
Sierra Leone	1996	0.830066	0.804332
Sierra Leone	1997	0.84446	0.812131
Sierra Leone	1998	0.851017	0.812806
Sierra Leone	1999	0.863143	0.810965
Sierra Leone	2000	0.867725	0.81152

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5	Sierra Leone	2001	0.870057	0.807892
6	Sierra Leone	2002	0.88269	0.814524
7	Sierra Leone	2003	0.887295	0.814107
8	Sierra Leone	2004	0.904772	0.819484
9	Sierra Leone	2005	0.902009	0.816075
10	Sierra Leone	2006	0.904874	0.816248
11	Sierra Leone	2007	0.908455	0.817708
12	Sierra Leone	2008	0.9111	0.81823
13	Sierra Leone	2009	0.916357	0.819564
14	Sierra Leone	2010	0.905713	0.815749
15	Sierra Leone	2011	0.90687	0.815569
16	Sierra Leone	2012	0.900591	0.815611
17	Sierra Leone	2013	0.898045	0.816791
18	Sierra Leone	2014	0.901668	0.824467
19	Sierra Leone	2015	0.894141	0.823506
20	Sierra Leone	2016	0.895925	0.830446
21	Sierra Leone	2017	0.895543	0.833929
22	Sierra Leone	2018	0.89368	0.835265
23	Sierra Leone	2019	0.891018	0.836793
24	Singapore	1990	1.163438	0.899451
25	Singapore	1991	1.129393	0.881363
26	Singapore	1992	1.153563	0.921822
27	Singapore	1993	1.116385	0.896281
28	Singapore	1994	1.076889	0.845189
29	Singapore	1995	1.050864	0.825318
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5	Singapore	1996	1.071672	0.841391
6	Singapore	1997	1.106303	0.867415
7	Singapore	1998	1.083205	0.853333
8	Singapore	1999	1.096735	0.864456
9	Singapore	2000	1.107024	0.8751
10	Singapore	2001	1.12114	0.885171
11	Singapore	2002	1.135497	0.893845
12	Singapore	2003	1.181337	0.921314
13	Singapore	2004	1.240904	0.956691
14	Singapore	2005	1.124899	0.861722
15	Singapore	2006	1.140442	0.868721
16	Singapore	2007	1.129855	0.864193
17	Singapore	2008	1.16467	0.901644
18	Singapore	2009	1.191044	0.920265
19	Singapore	2010	1.184357	0.90915
20	Singapore	2011	1.179199	0.910006
21	Singapore	2012	1.200217	0.933094
22	Singapore	2013	1.208179	0.949316
23	Singapore	2014	1.211514	0.953871
24	Singapore	2015	1.211928	0.960929
25	Singapore	2016	1.199671	0.951955
26	Singapore	2017	1.233326	0.968313
27	Singapore	2018	1.219639	0.959599
28	Singapore	2019	1.250283	0.991418
29	Slovakia	1990	0.944649	0.647308
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Slovakia	1991	0.976455	0.663918
Slovakia	1992	0.955654	0.644376
Slovakia	1993	0.995726	0.665691
Slovakia	1994	1.009351	0.670677
Slovakia	1995	1.017436	0.674329
Slovakia	1996	1.009444	0.668133
Slovakia	1997	1.04119	0.687493
Slovakia	1998	0.992929	0.652283
Slovakia	1999	1.009819	0.657257
Slovakia	2000	0.975233	0.628247
Slovakia	2001	1.011914	0.645803
Slovakia	2002	0.985897	0.625087
Slovakia	2003	1.008043	0.633926
Slovakia	2004	1.051345	0.654676
Slovakia	2005	1.036508	0.64108
Slovakia	2006	1.062665	0.651686
Slovakia	2007	1.109865	0.678383
Slovakia	2008	1.093175	0.663884
Slovakia	2009	1.159077	0.696465
Slovakia	2010	1.148256	0.682306
Slovakia	2011	1.191118	0.703254
Slovakia	2012	1.21351	0.711767
Slovakia	2013	1.232331	0.720047
Slovakia	2014	1.222608	0.714766
Slovakia	2015	1.233158	0.725429

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5	Slovakia	2016	1.258443	0.742765
6	Slovakia	2017	1.250698	0.743898
7	Slovakia	2018	1.27032	0.760949
8	Slovakia	2019	1.267158	0.765874
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10	Slovenia	1990	1.394688	0.780119
11	Slovenia	1991	1.410467	0.783523
12	Slovenia	1992	1.400783	0.768944
13	Slovenia	1993	1.378885	0.753192
14	Slovenia	1994	1.367196	0.740969
15	Slovenia	1995	1.317961	0.708775
16	Slovenia	1996	1.350995	0.720329
17	Slovenia	1997	1.295705	0.687694
18	Slovenia	1998	1.251271	0.658323
19	Slovenia	1999	1.262306	0.65755
20	Slovenia	2000	1.298258	0.663913
21	Slovenia	2001	1.266181	0.640215
22	Slovenia	2002	1.25989	0.622485
23	Slovenia	2003	1.165627	0.569175
24	Slovenia	2004	1.286114	0.622716
25	Slovenia	2005	1.400384	0.668478
26	Slovenia	2006	1.322378	0.627958
27	Slovenia	2007	1.411386	0.663917
28	Slovenia	2008	1.384634	0.647061
29	Slovenia	2009	1.44464	0.669581
30	Slovenia	2010	1.445478	0.668507
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Slovenia	2011	1.438805	0.663727
Slovenia	2012	1.439959	0.665578
Slovenia	2013	1.378243	0.641181
Slovenia	2014	1.367799	0.636246
Slovenia	2015	1.284322	0.602005
Slovenia	2016	1.278014	0.603165
Slovenia	2017	1.264785	0.601053
Slovenia	2018	1.263189	0.607731
Slovenia	2019	1.258858	0.612691
Solomon Islands	1990	1.037928	1.144353
Solomon Islands	1991	1.044417	1.148198
Solomon Islands	1992	1.056013	1.156976
Solomon Islands	1993	1.066592	1.164159
Solomon Islands	1994	1.081983	1.175924
Solomon Islands	1995	1.097222	1.188241
Solomon Islands	1996	1.117544	1.206361
Solomon Islands	1997	1.138033	1.223701
Solomon Islands	1998	1.159552	1.241819
Solomon Islands	1999	1.178626	1.257071
Solomon Islands	2000	1.186507	1.258405
Solomon Islands	2001	1.182493	1.246874
Solomon Islands	2002	1.179042	1.236279
Solomon Islands	2003	1.182097	1.232562
Solomon Islands	2004	1.190252	1.233961
Solomon Islands	2005	1.191227	1.229107



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Solomon Islands	2006	1.175755	1.207357
Solomon Islands	2007	1.14858	1.174414
Solomon Islands	2008	1.102099	1.123378
Solomon Islands	2009	1.094535	1.111581
Solomon Islands	2010	1.074319	1.088844
Solomon Islands	2011	1.065332	1.078571
Solomon Islands	2012	1.049638	1.061376
Solomon Islands	2013	1.034952	1.044876
Solomon Islands	2014	1.026433	1.034451
Solomon Islands	2015	1.016654	1.022379
Solomon Islands	2016	1.007093	1.010933
Solomon Islands	2017	0.991614	0.993079
Solomon Islands	2018	0.970301	0.971456
Solomon Islands	2019	0.977609	0.976166
Somalia	1990	0.750322	0.611496
Somalia	1991	0.74324	0.601044
Somalia	1992	0.728936	0.588467
Somalia	1993	0.714142	0.574841
Somalia	1994	0.705603	0.566449
Somalia	1995	0.699071	0.560185
Somalia	1996	0.704283	0.563338
Somalia	1997	0.712917	0.569484
Somalia	1998	0.723135	0.5768
Somalia	1999	0.733781	0.58339
Somalia	2000	0.743	0.588414

Somalia	2001	0.755732	0.596479
Somalia	2002	0.769071	0.604926
Somalia	2003	0.784596	0.615255
Somalia	2004	0.799497	0.62424
Somalia	2005	0.813829	0.632367
Somalia	2006	0.821399	0.634753
Somalia	2007	0.832464	0.639935
Somalia	2008	0.844469	0.644877
Somalia	2009	0.85818	0.653139
Somalia	2010	0.85573	0.64884
Somalia	2011	0.853771	0.646719
Somalia	2012	0.851149	0.646331
Somalia	2013	0.850363	0.64823
Somalia	2014	0.848187	0.649933
Somalia	2015	0.846803	0.652619
Somalia	2016	0.845299	0.654947
Somalia	2017	0.842177	0.656193
Somalia	2018	0.839293	0.655624
Somalia	2019	0.839583	0.657314
South Africa	1990	0.872624	0.604062
South Africa	1991	0.844694	0.582752
South Africa	1992	0.912175	0.626358
South Africa	1993	0.863401	0.593813
South Africa	1994	0.89675	0.613044
South Africa	1995	0.800476	0.54839

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5	South Africa	1996	0.806957	0.550274
6	South Africa	1997	0.857876	0.580401
7	South Africa	1998	0.839139	0.565984
8	South Africa	1999	0.862781	0.575683
9	South Africa	2000	0.883991	0.586252
10	South Africa	2001	0.882307	0.581695
11	South Africa	2002	0.886612	0.581614
12	South Africa	2003	0.883797	0.577566
13	South Africa	2004	0.881778	0.576085
14	South Africa	2005	0.876284	0.573943
15	South Africa	2006	0.875827	0.572977
16	South Africa	2007	0.865365	0.567608
17	South Africa	2008	0.86076	0.56512
18	South Africa	2009	0.858824	0.563312
19	South Africa	2010	0.859822	0.560691
20	South Africa	2011	0.874497	0.566917
21	South Africa	2012	0.883077	0.573793
22	South Africa	2013	0.891229	0.580179
23	South Africa	2014	0.904752	0.590606
24	South Africa	2015	0.907736	0.594396
25	South Africa	2016	0.90994	0.594798
26	South Africa	2017	0.893752	0.587799
27	South Africa	2018	0.874707	0.580501
28	South Africa	2019	0.872436	0.582659
29	South Sudan	1990	0.617642	0.646117
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South Sudan	1991	0.608182	0.639096
South Sudan	1992	0.59649	0.630499
South Sudan	1993	0.583919	0.620618
South Sudan	1994	0.575092	0.614212
South Sudan	1995	0.56239	0.606514
South Sudan	1996	0.563369	0.609884
South Sudan	1997	0.563668	0.611578
South Sudan	1998	0.567632	0.617846
South Sudan	1999	0.571434	0.623961
South Sudan	2000	0.574652	0.628503
South Sudan	2001	0.579118	0.634668
South Sudan	2002	0.583072	0.639749
South Sudan	2003	0.588461	0.647561
South Sudan	2004	0.592934	0.651815
South Sudan	2005	0.600938	0.657757
South Sudan	2006	0.602378	0.65759
South Sudan	2007	0.601339	0.654603
South Sudan	2008	0.600134	0.650473
South Sudan	2009	0.605369	0.654527
South Sudan	2010	0.609132	0.657795
South Sudan	2011	0.617707	0.666383
South Sudan	2012	0.626237	0.674514
South Sudan	2013	0.637096	0.682281
South Sudan	2014	0.646201	0.689662
South Sudan	2015	0.658325	0.698963

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South Sudan	2016	0.66504	0.704405
South Sudan	2017	0.668702	0.710524
South Sudan	2018	0.674969	0.717543
South Sudan	2019	0.681735	0.723315
Spain	1990	1.141463	0.683647
Spain	1991	1.147613	0.682843
Spain	1992	1.158914	0.68726
Spain	1993	1.175718	0.693078
Spain	1994	1.192094	0.698995
Spain	1995	1.19173	0.693909
Spain	1996	1.207036	0.697607
Spain	1997	1.226235	0.7048
Spain	1998	1.217732	0.695168
Spain	1999	1.20048	0.682673
Spain	2000	1.228318	0.693744
Spain	2001	1.242731	0.698067
Spain	2002	1.238513	0.693436
Spain	2003	1.246203	0.693896
Spain	2004	1.251368	0.694341
Spain	2005	1.253901	0.692857
Spain	2006	1.261916	0.693236
Spain	2007	1.25726	0.689482
Spain	2008	1.266641	0.690584
Spain	2009	1.271022	0.691003
Spain	2010	1.264498	0.682622

Spain	2011	1.291473	0.694299
Spain	2012	1.314847	0.704675
Spain	2013	1.344507	0.71982
Spain	2014	1.360219	0.725666
Spain	2015	1.372704	0.730595
Spain	2016	1.381235	0.734868
Spain	2017	1.36967	0.731334
Spain	2018	1.393998	0.747474
Spain	2019	1.395263	0.752339
Sri Lanka	1990	0.565329	0.584802
Sri Lanka	1991	0.578904	0.591445
Sri Lanka	1992	0.585931	0.589963
Sri Lanka	1993	0.613223	0.609778
Sri Lanka	1994	0.622568	0.615605
Sri Lanka	1995	0.602386	0.593602
Sri Lanka	1996	0.63306	0.6159
Sri Lanka	1997	0.659262	0.633113
Sri Lanka	1998	0.676796	0.64036
Sri Lanka	1999	0.692609	0.64573
Sri Lanka	2000	0.697856	0.645993
Sri Lanka	2001	0.702683	0.642068
Sri Lanka	2002	0.734883	0.662004
Sri Lanka	2003	0.748233	0.669226
Sri Lanka	2004	0.782674	0.693991
Sri Lanka	2005	0.793452	0.698699

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Sri Lanka	2006	0.819849	0.71548
Sri Lanka	2007	0.814719	0.702651
Sri Lanka	2008	0.806527	0.685378
Sri Lanka	2009	0.883706	0.741235
Sri Lanka	2010	0.855375	0.717334
Sri Lanka	2011	0.818618	0.683409
Sri Lanka	2012	0.786608	0.649113
Sri Lanka	2013	0.801781	0.655676
Sri Lanka	2014	0.796339	0.645695
Sri Lanka	2015	0.801576	0.645614
Sri Lanka	2016	0.807734	0.645914
Sri Lanka	2017	0.816588	0.648192
Sri Lanka	2018	0.838493	0.661592
Sri Lanka	2019	0.845783	0.662182
Sudan	1990	0.915215	0.883364
Sudan	1991	0.89466	0.868908
Sudan	1992	0.88086	0.859938
Sudan	1993	0.868571	0.852353
Sudan	1994	0.862812	0.850964
Sudan	1995	0.858514	0.851763
Sudan	1996	0.854869	0.853362
Sudan	1997	0.848693	0.851978
Sudan	1998	0.841506	0.849976
Sudan	1999	0.8354	0.848705
Sudan	2000	0.832796	0.850843

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5	Sudan	2001	0.834451	0.85806
6	Sudan	2002	0.832769	0.861836
7	Sudan	2003	0.833939	0.869412
8	Sudan	2004	0.839011	0.879915
9	Sudan	2005	0.849835	0.89299
10	Sudan	2006	0.838268	0.884609
11	Sudan	2007	0.824546	0.874958
12	Sudan	2008	0.810984	0.865859
13	Sudan	2009	0.802669	0.861309
14	Sudan	2010	0.796912	0.861204
15	Sudan	2011	0.795754	0.865036
16	Sudan	2012	0.79713	0.870054
17	Sudan	2013	0.8	0.877201
18	Sudan	2014	0.808748	0.88856
19	Sudan	2015	0.816839	0.901218
20	Sudan	2016	0.822954	0.911158
21	Sudan	2017	0.829787	0.921163
22	Sudan	2018	0.833647	0.928108
23	Sudan	2019	0.836752	0.93243
24	Suriname	1990	0.787543	0.676472
25	Suriname	1991	0.773625	0.664525
26	Suriname	1992	0.762927	0.657532
27	Suriname	1993	0.735734	0.635602
28	Suriname	1994	0.730993	0.63073
29	Suriname	1995	0.749511	0.643204
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Suriname	1996	0.753184	0.648987
Suriname	1997	0.72162	0.620651
Suriname	1998	0.689955	0.59407
Suriname	1999	0.717914	0.623254
Suriname	2000	0.729871	0.626825
Suriname	2001	0.739779	0.625425
Suriname	2002	0.768182	0.652205
Suriname	2003	0.759013	0.647365
Suriname	2004	0.789716	0.673453
Suriname	2005	0.792861	0.669835
Suriname	2006	0.809596	0.685651
Suriname	2007	0.794531	0.673183
Suriname	2008	0.783635	0.659421
Suriname	2009	0.795851	0.66849
Suriname	2010	0.777593	0.653797
Suriname	2011	0.790986	0.667096
Suriname	2012	0.803316	0.677208
Suriname	2013	0.781261	0.653612
Suriname	2014	0.786669	0.651621
Suriname	2015	0.81729	0.675948
Suriname	2016	0.837001	0.69061
Suriname	2017	0.845809	0.696292
Suriname	2018	0.857382	0.703866
Suriname	2019	0.874242	0.715426
Sweden	1990	0.754326	0.463779

Sweden	1991	0.743543	0.454427
Sweden	1992	0.750763	0.455035
Sweden	1993	0.739427	0.445076
Sweden	1994	0.745978	0.44729
Sweden	1995	0.748424	0.448184
Sweden	1996	0.781246	0.465371
Sweden	1997	0.792434	0.470712
Sweden	1998	0.797746	0.471452
Sweden	1999	0.810983	0.477167
Sweden	2000	0.846597	0.497609
Sweden	2001	0.846216	0.497371
Sweden	2002	0.854622	0.502943
Sweden	2003	0.852701	0.503031
Sweden	2004	0.849916	0.501095
Sweden	2005	0.861536	0.509177
Sweden	2006	0.895253	0.529417
Sweden	2007	0.912485	0.538504
Sweden	2008	0.914439	0.542118
Sweden	2009	0.913988	0.54386
Sweden	2010	0.939152	0.560356
Sweden	2011	0.944867	0.567629
Sweden	2012	0.948257	0.574409
Sweden	2013	0.960872	0.587228
Sweden	2014	0.971413	0.598792
Sweden	2015	0.963536	0.59731

Sweden	2016	0.968405	0.604055
Sweden	2017	0.963346	0.608837
Sweden	2018	0.949485	0.613392
Sweden	2019	0.9058	0.598532
Switzerland	1990	1.062104	0.561863
Switzerland	1991	1.085297	0.574003
Switzerland	1992	1.118409	0.592365
Switzerland	1993	1.151731	0.609078
Switzerland	1994	1.192699	0.630941
Switzerland	1995	1.214237	0.642122
Switzerland	1996	1.241375	0.653118
Switzerland	1997	1.258971	0.662246
Switzerland	1998	1.265703	0.664328
Switzerland	1999	1.290294	0.675357
Switzerland	2000	1.342631	0.69972
Switzerland	2001	1.37058	0.709901
Switzerland	2002	1.38254	0.715449
Switzerland	2003	1.407761	0.727
Switzerland	2004	1.433706	0.740367
Switzerland	2005	1.469206	0.757813
Switzerland	2006	1.471483	0.759842
Switzerland	2007	1.473616	0.761116
Switzerland	2008	1.497778	0.778024
Switzerland	2009	1.497785	0.78351
Switzerland	2010	1.481958	0.781891

Switzerland	2011	1.467667	0.77742
Switzerland	2012	1.488953	0.789545
Switzerland	2013	1.487406	0.790652
Switzerland	2014	1.488658	0.792981
Switzerland	2015	1.465689	0.780309
Switzerland	2016	1.478698	0.796645
Switzerland	2017	1.447048	0.795428
Switzerland	2018	1.438361	0.801749
Switzerland	2019	1.413788	0.800998
Syrian Arab Republic	1990	0.917479	1.018136
Syrian Arab Republic	1991	0.91471	1.035383
Syrian Arab Republic	1992	0.91309	1.052004
Syrian Arab Republic	1993	0.888644	1.046973
Syrian Arab Republic	1994	0.905732	1.091777
Syrian Arab Republic	1995	0.9339	1.155488
Syrian Arab Republic	1996	0.935203	1.179075
Syrian Arab Republic	1997	0.926363	1.188127
Syrian Arab Republic	1998	0.940655	1.218168
Syrian Arab Republic	1999	0.924891	1.217608
Syrian Arab Republic	2000	0.917348	1.226316
Syrian Arab Republic	2001	0.901886	1.202629
Syrian Arab Republic	2002	0.891482	1.176015
Syrian Arab Republic	2003	0.877832	1.168175
Syrian Arab Republic	2004	0.894141	1.205428
Syrian Arab Republic	2005	0.891503	1.221358

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5	Syrian Arab Republic	2006	0.89491	1.244382
6	Syrian Arab Republic	2007	0.875609	1.230146
7	Syrian Arab Republic	2008	0.854031	1.180682
8	Syrian Arab Republic	2009	0.870141	1.206509
9	Syrian Arab Republic	2010	0.909359	1.261294
10	Syrian Arab Republic	2011	0.9272	1.277259
11	Syrian Arab Republic	2012	0.939035	1.265399
12	Syrian Arab Republic	2013	0.958657	1.276741
13	Syrian Arab Republic	2014	0.975687	1.28192
14	Syrian Arab Republic	2015	0.986622	1.266201
15	Syrian Arab Republic	2016	0.993034	1.255924
16	Syrian Arab Republic	2017	0.998276	1.248525
17	Syrian Arab Republic	2018	1.004023	1.245232
18	Syrian Arab Republic	2019	1.005204	1.238992
19	Taiwan (Province of China)	1990	0.985425	1.011569
20	Taiwan (Province of China)	1991	0.995354	1.029026
21	Taiwan (Province of China)	1992	0.985887	1.02406
22	Taiwan (Province of China)	1993	0.989273	1.033343
23	Taiwan (Province of China)	1994	0.954842	1.005088
24	Taiwan (Province of China)	1995	0.961873	1.010782
25	Taiwan (Province of China)	1996	0.968368	1.020645
26	Taiwan (Province of China)	1997	0.964296	1.015286
27	Taiwan (Province of China)	1998	0.979169	1.027264
28	Taiwan (Province of China)	1999	1.002197	1.050918
29	Taiwan (Province of China)	2000	1.009383	1.056412
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Taiwan (Province of China)	2001	1.009354	1.054034
Taiwan (Province of China)	2002	1.006938	1.043543
Taiwan (Province of China)	2003	1.017283	1.046037
Taiwan (Province of China)	2004	0.985298	1.009895
Taiwan (Province of China)	2005	0.980931	0.996768
Taiwan (Province of China)	2006	0.960976	0.966534
Taiwan (Province of China)	2007	0.981744	0.975252
Taiwan (Province of China)	2008	0.983518	0.965808
Taiwan (Province of China)	2009	0.999055	0.974124
Taiwan (Province of China)	2010	1.015987	0.975085
Taiwan (Province of China)	2011	0.98816	0.932321
Taiwan (Province of China)	2012	1.011285	0.935788
Taiwan (Province of China)	2013	1.014673	0.921141
Taiwan (Province of China)	2014	1.017774	0.913073
Taiwan (Province of China)	2015	1.017308	0.894752
Taiwan (Province of China)	2016	1.028637	0.885786
Taiwan (Province of China)	2017	1.049592	0.8845
Taiwan (Province of China)	2018	1.075771	0.889571
Taiwan (Province of China)	2019	1.085295	0.890293
Tajikistan	1990	1.073056	0.767723
Tajikistan	1991	1.087627	0.781103
Tajikistan	1992	1.074775	0.788456
Tajikistan	1993	1.104223	0.815629
Tajikistan	1994	1.111487	0.817704
Tajikistan	1995	1.082798	0.781517

Tajikistan	1996	0.997321	0.703395
Tajikistan	1997	1.021929	0.708641
Tajikistan	1998	1.09509	0.757133
Tajikistan	1999	1.097986	0.769817
Tajikistan	2000	1.075764	0.773095
Tajikistan	2001	1.058164	0.766786
Tajikistan	2002	0.994554	0.740537
Tajikistan	2003	0.967197	0.738701
Tajikistan	2004	0.958714	0.745795
Tajikistan	2005	0.927086	0.725698
Tajikistan	2006	0.886752	0.692502
Tajikistan	2007	0.862094	0.673144
Tajikistan	2008	0.850079	0.661517
Tajikistan	2009	0.847407	0.659561
Tajikistan	2010	0.845459	0.657416
Tajikistan	2011	0.850017	0.665894
Tajikistan	2012	0.844328	0.666285
Tajikistan	2013	0.828206	0.64234
Tajikistan	2014	0.821117	0.634306
Tajikistan	2015	0.821088	0.630952
Tajikistan	2016	0.82218	0.628012
Tajikistan	2017	0.840047	0.6362
Tajikistan	2018	0.858145	0.653595
Tajikistan	2019	0.86892	0.663584
Thailand	1990	0.681059	0.588169

Thailand	1991	0.680018	0.593022
Thailand	1992	0.670693	0.590228
Thailand	1993	0.657486	0.586194
Thailand	1994	0.642782	0.582624
Thailand	1995	0.629929	0.578302
Thailand	1996	0.647371	0.596895
Thailand	1997	0.687893	0.630446
Thailand	1998	0.706685	0.61792
Thailand	1999	0.762966	0.658819
Thailand	2000	0.841298	0.719716
Thailand	2001	0.932113	0.799463
Thailand	2002	1.033857	0.882983
Thailand	2003	1.098239	0.934802
Thailand	2004	1.172291	0.993394
Thailand	2005	1.228727	1.038246
Thailand	2006	1.247513	1.050587
Thailand	2007	1.266169	1.065646
Thailand	2008	1.276799	1.071992
Thailand	2009	1.271683	1.063155
Thailand	2010	1.270152	1.059761
Thailand	2011	1.247955	1.040133
Thailand	2012	1.227875	1.01986
Thailand	2013	1.211694	1.00092
Thailand	2014	1.194524	0.980393
Thailand	2015	1.165776	0.949129



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5	Thailand	2016	1.156813	0.934726
6	Thailand	2017	1.164108	0.932472
7	Thailand	2018	1.183666	0.940038
8	Thailand	2019	1.203826	0.949717
9	Timor-Leste	1990	1.196681	1.155464
10	Timor-Leste	1991	1.183547	1.14905
11	Timor-Leste	1992	1.181926	1.153336
12	Timor-Leste	1993	1.18303	1.159541
13	Timor-Leste	1994	1.182152	1.16208
14	Timor-Leste	1995	1.180636	1.156541
15	Timor-Leste	1996	1.170038	1.148286
16	Timor-Leste	1997	1.164627	1.146855
17	Timor-Leste	1998	1.154785	1.144469
18	Timor-Leste	1999	1.124982	1.120679
19	Timor-Leste	2000	1.09484	1.088144
20	Timor-Leste	2001	1.068454	1.065474
21	Timor-Leste	2002	1.044813	1.045044
22	Timor-Leste	2003	1.021296	1.023366
23	Timor-Leste	2004	1.004261	1.007189
24	Timor-Leste	2005	0.995047	0.99295
25	Timor-Leste	2006	0.983217	0.979306
26	Timor-Leste	2007	0.97809	0.972303
27	Timor-Leste	2008	0.972901	0.96515
28	Timor-Leste	2009	0.958798	0.950179
29	Timor-Leste	2010	0.946263	0.931787
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Timor-Leste	2011	0.944849	0.929167
Timor-Leste	2012	0.937733	0.922057
Timor-Leste	2013	0.933499	0.917589
Timor-Leste	2014	0.93137	0.915053
Timor-Leste	2015	0.931167	0.907643
Timor-Leste	2016	0.928885	0.902893
Timor-Leste	2017	0.923472	0.896569
Timor-Leste	2018	0.919177	0.891868
Timor-Leste	2019	0.914942	0.887747
Togo	1990	0.962346	0.830838
Togo	1991	0.950342	0.818605
Togo	1992	0.930765	0.801384
Togo	1993	0.906439	0.7784
Togo	1994	0.88443	0.755182
Togo	1995	0.860386	0.73047
Togo	1996	0.836479	0.708339
Togo	1997	0.828206	0.695167
Togo	1998	0.809561	0.674108
Togo	1999	0.790023	0.656131
Togo	2000	0.780961	0.645704
Togo	2001	0.770827	0.6343
Togo	2002	0.774135	0.631214
Togo	2003	0.770561	0.623609
Togo	2004	0.764903	0.614684
Togo	2005	0.761828	0.607812

Togo	2006	0.761196	0.602424
Togo	2007	0.771884	0.603577
Togo	2008	0.773679	0.597014
Togo	2009	0.777731	0.597059
Togo	2010	0.780742	0.597078
Togo	2011	0.791777	0.600911
Togo	2012	0.807868	0.605235
Togo	2013	0.817276	0.606995
Togo	2014	0.824303	0.612965
Togo	2015	0.831794	0.618577
Togo	2016	0.842748	0.627372
Togo	2017	0.857032	0.634987
Togo	2018	0.871302	0.642024
Togo	2019	0.880134	0.6488
Tokelau	1990	1.654136	1.365381
Tokelau	1991	1.642666	1.35864
Tokelau	1992	1.620669	1.35639
Tokelau	1993	1.593963	1.351673
Tokelau	1994	1.576672	1.351523
Tokelau	1995	1.567959	1.352706
Tokelau	1996	1.573466	1.356843
Tokelau	1997	1.591125	1.360109
Tokelau	1998	1.621783	1.361206
Tokelau	1999	1.651438	1.353628
Tokelau	2000	1.677927	1.343664

Tokelau	2001	1.68679	1.32952
Tokelau	2002	1.678846	1.323954
Tokelau	2003	1.646445	1.313106
Tokelau	2004	1.619364	1.314728
Tokelau	2005	1.551954	1.285902
Tokelau	2006	1.493012	1.260807
Tokelau	2007	1.434987	1.228593
Tokelau	2008	1.397422	1.202485
Tokelau	2009	1.37992	1.185755
Tokelau	2010	1.373876	1.178019
Tokelau	2011	1.361942	1.171336
Tokelau	2012	1.345399	1.168842
Tokelau	2013	1.328842	1.169288
Tokelau	2014	1.305957	1.165686
Tokelau	2015	1.28582	1.16589
Tokelau	2016	1.265894	1.168574
Tokelau	2017	1.255581	1.18055
Tokelau	2018	1.248531	1.189306
Tokelau	2019	1.245695	1.197551
Tonga	1990	1.137947	0.954422
Tonga	1991	1.150946	0.963223
Tonga	1992	1.153805	0.956807
Tonga	1993	1.175571	0.972467
Tonga	1994	1.198633	0.991896
Tonga	1995	1.222674	1.012158

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Tonga	1996	1.214661	1.004611
Tonga	1997	1.215995	1.005481
Tonga	1998	1.184864	0.982384
Tonga	1999	1.116171	0.924504
Tonga	2000	1.092365	0.89794
Tonga	2001	1.072194	0.876573
Tonga	2002	1.025257	0.834568
Tonga	2003	0.987728	0.798999
Tonga	2004	0.996284	0.801134
Tonga	2005	1.010378	0.812375
Tonga	2006	0.959076	0.770036
Tonga	2007	0.91288	0.731886
Tonga	2008	0.87431	0.699518
Tonga	2009	0.844102	0.673292
Tonga	2010	0.824036	0.655058
Tonga	2011	0.811065	0.642886
Tonga	2012	0.803065	0.634647
Tonga	2013	0.79368	0.625524
Tonga	2014	0.789094	0.620129
Tonga	2015	0.790241	0.619271
Tonga	2016	0.79346	0.620084
Tonga	2017	0.803721	0.626275
Tonga	2018	0.811761	0.630899
Tonga	2019	0.819439	0.635363
Trinidad and Tobago	1990	0.600964	0.489801

Trinidad and Tobago	1991	0.627662	0.515626
Trinidad and Tobago	1992	0.606567	0.504513
Trinidad and Tobago	1993	0.64273	0.535968
Trinidad and Tobago	1994	0.643704	0.538284
Trinidad and Tobago	1995	0.699835	0.588405
Trinidad and Tobago	1996	0.630826	0.534858
Trinidad and Tobago	1997	0.670581	0.56774
Trinidad and Tobago	1998	0.668419	0.570753
Trinidad and Tobago	1999	0.693004	0.596655
Trinidad and Tobago	2000	0.721773	0.621557
Trinidad and Tobago	2001	0.707633	0.612719
Trinidad and Tobago	2002	0.708067	0.617553
Trinidad and Tobago	2003	0.702159	0.617369
Trinidad and Tobago	2004	0.719421	0.631428
Trinidad and Tobago	2005	0.697426	0.612803
Trinidad and Tobago	2006	0.752942	0.660694
Trinidad and Tobago	2007	0.769876	0.675302
Trinidad and Tobago	2008	0.726015	0.637953
Trinidad and Tobago	2009	0.751312	0.6574
Trinidad and Tobago	2010	0.747563	0.654669
Trinidad and Tobago	2011	0.748961	0.657407
Trinidad and Tobago	2012	0.758825	0.666719
Trinidad and Tobago	2013	0.75465	0.661016
Trinidad and Tobago	2014	0.74257	0.650544
Trinidad and Tobago	2015	0.728443	0.637884

Trinidad and Tobago	2016	0.714285	0.622822
Trinidad and Tobago	2017	0.708588	0.617215
Trinidad and Tobago	2018	0.705777	0.614191
Trinidad and Tobago	2019	0.700642	0.609275
Tunisia	1990	0.922362	0.92216
Tunisia	1991	0.91466	0.908992
Tunisia	1992	0.909486	0.907232
Tunisia	1993	0.893286	0.890379
Tunisia	1994	0.889422	0.885243
Tunisia	1995	0.915137	0.907174
Tunisia	1996	0.915833	0.904284
Tunisia	1997	0.911858	0.905111
Tunisia	1998	0.906945	0.898084
Tunisia	1999	0.902886	0.889968
Tunisia	2000	0.895207	0.874845
Tunisia	2001	0.896714	0.870498
Tunisia	2002	0.901627	0.869276
Tunisia	2003	0.896903	0.853638
Tunisia	2004	0.907776	0.856652
Tunisia	2005	0.920709	0.861737
Tunisia	2006	0.929556	0.86298
Tunisia	2007	0.942838	0.870231
Tunisia	2008	0.955568	0.877671
Tunisia	2009	0.960409	0.877045
Tunisia	2010	0.968509	0.879379

Tunisia	2011	0.982912	0.888732
Tunisia	2012	0.990537	0.890952
Tunisia	2013	1.002731	0.897425
Tunisia	2014	1.014181	0.903306
Tunisia	2015	1.026315	0.91006
Tunisia	2016	1.03649	0.914533
Tunisia	2017	1.04578	0.918231
Tunisia	2018	1.05692	0.925188
Tunisia	2019	1.070279	0.935564
Turkey	1990	0.882338	0.747628
Turkey	1991	0.923351	0.791123
Turkey	1992	0.923977	0.795548
Turkey	1993	0.926172	0.800107
Turkey	1994	0.950114	0.827933
Turkey	1995	0.9474	0.825339
Turkey	1996	0.922129	0.799142
Turkey	1997	0.877222	0.74673
Turkey	1998	0.865027	0.727694
Turkey	1999	0.904444	0.768061
Turkey	2000	0.915587	0.780539
Turkey	2001	0.842519	0.690307
Turkey	2002	0.776753	0.607787
Turkey	2003	0.77808	0.597431
Turkey	2004	0.785448	0.592462
Turkey	2005	0.826471	0.620965



Turkey	2006	0.899691	0.676278
Turkey	2007	0.989343	0.75242
Turkey	2008	1.072288	0.831128
Turkey	2009	1.07198	0.851161
Turkey	2010	1.058503	0.849826
Turkey	2011	1.045949	0.845235
Turkey	2012	1.043623	0.847286
Turkey	2013	1.048438	0.855723
Turkey	2014	1.041235	0.848401
Turkey	2015	1.054692	0.857405
Turkey	2016	1.081499	0.880422
Turkey	2017	1.101105	0.900345
Turkey	2018	1.116604	0.915779
Turkey	2019	1.122	0.920632
Turkmenistan	1990	1.024385	0.767814
Turkmenistan	1991	1.045253	0.777121
Turkmenistan	1992	1.073674	0.808289
Turkmenistan	1993	1.021469	0.770932
Turkmenistan	1994	0.985844	0.746882
Turkmenistan	1995	0.97205	0.741217
Turkmenistan	1996	0.92706	0.713066
Turkmenistan	1997	0.900121	0.699398
Turkmenistan	1998	0.849848	0.6639
Turkmenistan	1999	0.840053	0.656002
Turkmenistan	2000	0.836794	0.655332

Turkmenistan	2001	0.85116	0.669704
Turkmenistan	2002	0.841139	0.66648
Turkmenistan	2003	0.803498	0.640381
Turkmenistan	2004	0.779975	0.625078
Turkmenistan	2005	0.77615	0.626214
Turkmenistan	2006	0.78764	0.638138
Turkmenistan	2007	0.762627	0.622647
Turkmenistan	2008	0.768426	0.627439
Turkmenistan	2009	0.78346	0.63939
Turkmenistan	2010	0.784212	0.642602
Turkmenistan	2011	0.800166	0.659001
Turkmenistan	2012	0.804281	0.665747
Turkmenistan	2013	0.75502	0.629872
Turkmenistan	2014	0.730527	0.612734
Turkmenistan	2015	0.700143	0.590465
Turkmenistan	2016	0.706254	0.596266
Turkmenistan	2017	0.704075	0.595532
Turkmenistan	2018	0.696381	0.58806
Turkmenistan	2019	0.694862	0.587712
Tuvalu	1990	1.28414	0.882899
Tuvalu	1991	1.271231	0.881089
Tuvalu	1992	1.266315	0.883443
Tuvalu	1993	1.277371	0.895488
Tuvalu	1994	1.270392	0.895911
Tuvalu	1995	1.282723	0.910113

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Tuvalu	1996	1.28478	0.918413
Tuvalu	1997	1.283959	0.924284
Tuvalu	1998	1.26629	0.918439
Tuvalu	1999	1.265058	0.923673
Tuvalu	2000	1.27034	0.933788
Tuvalu	2001	1.248973	0.927207
Tuvalu	2002	1.230434	0.923587
Tuvalu	2003	1.209399	0.917821
Tuvalu	2004	1.19759	0.918897
Tuvalu	2005	1.160623	0.900505
Tuvalu	2006	1.128669	0.885957
Tuvalu	2007	1.088976	0.86284
Tuvalu	2008	1.055329	0.843309
Tuvalu	2009	1.029277	0.829027
Tuvalu	2010	1.0103	0.819353
Tuvalu	2011	0.990434	0.809332
Tuvalu	2012	0.972895	0.800738
Tuvalu	2013	0.958254	0.793897
Tuvalu	2014	0.943162	0.785966
Tuvalu	2015	0.932401	0.780965
Tuvalu	2016	0.922036	0.777291
Tuvalu	2017	0.917452	0.777446
Tuvalu	2018	0.911409	0.776202
Tuvalu	2019	0.904083	0.774402
Uganda	1990	0.548236	0.504404

Uganda	1991	0.54013	0.490464
Uganda	1992	0.536199	0.480626
Uganda	1993	0.535278	0.47393
Uganda	1994	0.53796	0.471558
Uganda	1995	0.539955	0.468542
Uganda	1996	0.54526	0.469057
Uganda	1997	0.557288	0.474044
Uganda	1998	0.574814	0.482678
Uganda	1999	0.592851	0.492126
Uganda	2000	0.61163	0.502468
Uganda	2001	0.625378	0.50938
Uganda	2002	0.635621	0.514315
Uganda	2003	0.640481	0.516736
Uganda	2004	0.646589	0.518975
Uganda	2005	0.650511	0.520499
Uganda	2006	0.647978	0.517671
Uganda	2007	0.639278	0.511191
Uganda	2008	0.630149	0.504185
Uganda	2009	0.628857	0.503771
Uganda	2010	0.634139	0.506062
Uganda	2011	0.637465	0.508293
Uganda	2012	0.645277	0.514361
Uganda	2013	0.659301	0.522239
Uganda	2014	0.668866	0.527592
Uganda	2015	0.675581	0.531943

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Uganda	2016	0.680967	0.534655
Uganda	2017	0.68842	0.542143
Uganda	2018	0.697821	0.550123
Uganda	2019	0.70498	0.556486
Ukraine	1990	1.26884	0.535379
Ukraine	1991	1.265186	0.53084
Ukraine	1992	1.259455	0.527745
Ukraine	1993	1.283322	0.535352
Ukraine	1994	1.266652	0.530396
Ukraine	1995	1.223648	0.518507
Ukraine	1996	1.228618	0.517985
Ukraine	1997	1.257429	0.526083
Ukraine	1998	1.284121	0.532463
Ukraine	1999	1.261957	0.528379
Ukraine	2000	1.222739	0.518315
Ukraine	2001	1.218068	0.524698
Ukraine	2002	1.187573	0.52938
Ukraine	2003	1.17885	0.542352
Ukraine	2004	1.125673	0.539554
Ukraine	2005	1.059571	0.529521
Ukraine	2006	1.058946	0.534629
Ukraine	2007	1.027918	0.531838
Ukraine	2008	1.014702	0.529647
Ukraine	2009	1.082432	0.551625
Ukraine	2010	1.100984	0.556521

Ukraine	2011	1.11073	0.562062
Ukraine	2012	1.116488	0.569273
Ukraine	2013	1.124589	0.579758
Ukraine	2014	1.152312	0.594726
Ukraine	2015	1.004352	0.550619
Ukraine	2016	1.038161	0.568166
Ukraine	2017	1.040673	0.563753
Ukraine	2018	1.031214	0.550653
Ukraine	2019	1.034153	0.548031
United Arab Emirates	1990	0.508775	1.055819
United Arab Emirates	1991	0.503032	1.069792
United Arab Emirates	1992	0.488118	1.067824
United Arab Emirates	1993	0.474784	1.069098
United Arab Emirates	1994	0.469924	1.103837
United Arab Emirates	1995	0.458375	1.106888
United Arab Emirates	1996	0.453324	1.114917
United Arab Emirates	1997	0.449076	1.143774
United Arab Emirates	1998	0.443761	1.145591
United Arab Emirates	1999	0.438082	1.140382
United Arab Emirates	2000	0.423761	1.063493
United Arab Emirates	2001	0.423709	1.065669
United Arab Emirates	2002	0.421871	1.066846
United Arab Emirates	2003	0.469095	1.226409
United Arab Emirates	2004	0.51104	1.461019
United Arab Emirates	2005	0.502397	1.530846

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United Arab Emirates	2006	0.484336	1.642268
United Arab Emirates	2007	0.455707	1.872718
United Arab Emirates	2008	0.414353	1.915966
United Arab Emirates	2009	0.386944	1.959882
United Arab Emirates	2010	0.377203	1.975313
United Arab Emirates	2011	0.372044	2.007443
United Arab Emirates	2012	0.369703	2.035482
United Arab Emirates	2013	0.353789	1.824708
United Arab Emirates	2014	0.302003	1.068639
United Arab Emirates	2015	0.308823	1.083892
United Arab Emirates	2016	0.313736	1.095106
United Arab Emirates	2017	0.317355	1.102036
United Arab Emirates	2018	0.322685	1.113433
United Arab Emirates	2019	0.328024	1.123091
United Kingdom	1990	1.193318	0.623683
United Kingdom	1991	1.185042	0.617732
United Kingdom	1992	1.191903	0.620316
United Kingdom	1993	1.18015	0.616627
United Kingdom	1994	1.184645	0.623098
United Kingdom	1995	1.165368	0.618961
United Kingdom	1996	1.162815	0.622685
United Kingdom	1997	1.162376	0.626324
United Kingdom	1998	1.151615	0.626223
United Kingdom	1999	1.132918	0.618551
United Kingdom	2000	1.133772	0.621896

United Kingdom	2001	1.125533	0.620902
United Kingdom	2002	1.116016	0.619005
United Kingdom	2003	1.130571	0.631655
United Kingdom	2004	1.141036	0.64618
United Kingdom	2005	1.149652	0.659761
United Kingdom	2006	1.140951	0.661428
United Kingdom	2007	1.151446	0.673374
United Kingdom	2008	1.158662	0.683882
United Kingdom	2009	1.170397	0.694055
United Kingdom	2010	1.196585	0.709307
United Kingdom	2011	1.225876	0.723568
United Kingdom	2012	1.252109	0.736999
United Kingdom	2013	1.261349	0.746707
United Kingdom	2014	1.272174	0.763126
United Kingdom	2015	1.2565	0.769459
United Kingdom	2016	1.240504	0.775236
United Kingdom	2017	1.21352	0.77185
United Kingdom	2018	1.186146	0.766796
United Kingdom	2019	1.164712	0.764333
United Republic of Tanzania	1990	0.781522	0.703391
United Republic of Tanzania	1991	0.770668	0.692076
United Republic of Tanzania	1992	0.762312	0.682524
United Republic of Tanzania	1993	0.757432	0.675606
United Republic of Tanzania	1994	0.754777	0.669585
United Republic of Tanzania	1995	0.754556	0.665336



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United Republic of Tanzania	1996	0.753179	0.660656
United Republic of Tanzania	1997	0.755772	0.65939
United Republic of Tanzania	1998	0.762045	0.661406
United Republic of Tanzania	1999	0.758868	0.656168
United Republic of Tanzania	2000	0.75477	0.650069
United Republic of Tanzania	2001	0.761333	0.652433
United Republic of Tanzania	2002	0.775263	0.660039
United Republic of Tanzania	2003	0.799231	0.675537
United Republic of Tanzania	2004	0.817084	0.687831
United Republic of Tanzania	2005	0.833331	0.699574
United Republic of Tanzania	2006	0.849816	0.70961
United Republic of Tanzania	2007	0.863137	0.718822
United Republic of Tanzania	2008	0.871853	0.726302
United Republic of Tanzania	2009	0.88892	0.738823
United Republic of Tanzania	2010	0.911233	0.758888
United Republic of Tanzania	2011	0.934464	0.780506
United Republic of Tanzania	2012	0.944435	0.790545
United Republic of Tanzania	2013	0.95813	0.803793
United Republic of Tanzania	2014	0.961943	0.812238
United Republic of Tanzania	2015	0.967976	0.817986
United Republic of Tanzania	2016	0.970737	0.825863
United Republic of Tanzania	2017	0.976471	0.836559
United Republic of Tanzania	2018	0.97822	0.842363
United Republic of Tanzania	2019	0.979223	0.848354
United States of America	1990	1.121959	0.673713

United States of America	1991	1.121152	0.673792
United States of America	1992	1.118823	0.672728
United States of America	1993	1.117914	0.672485
United States of America	1994	1.127135	0.678043
United States of America	1995	1.130951	0.681682
United States of America	1996	1.147801	0.692919
United States of America	1997	1.160897	0.703666
United States of America	1998	1.167934	0.711278
United States of America	1999	1.175995	0.721325
United States of America	2000	1.185469	0.731829
United States of America	2001	1.184596	0.736947
United States of America	2002	1.166022	0.730166
United States of America	2003	1.156228	0.729609
United States of America	2004	1.162079	0.737919
United States of America	2005	1.161446	0.741989
United States of America	2006	1.170441	0.752624
United States of America	2007	1.176848	0.761583
United States of America	2008	1.157902	0.754912
United States of America	2009	1.137414	0.747998
United States of America	2010	1.112516	0.737069
United States of America	2011	1.100105	0.735527
United States of America	2012	1.079197	0.728297
United States of America	2013	1.052712	0.717797
United States of America	2014	1.045775	0.71982
United States of America	2015	1.036761	0.720233

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United States of America	2016	1.018288	0.714376
United States of America	2017	0.997852	0.705882
United States of America	2018	0.970738	0.689814
United States of America	2019	0.99178	0.704414
United States Virgin Islands	1990	0.873088	0.721712
United States Virgin Islands	1991	0.874237	0.725185
United States Virgin Islands	1992	0.870862	0.721844
United States Virgin Islands	1993	0.870139	0.720392
United States Virgin Islands	1994	0.875963	0.723101
United States Virgin Islands	1995	0.910227	0.749649
United States Virgin Islands	1996	0.91449	0.749982
United States Virgin Islands	1997	0.925431	0.756183
United States Virgin Islands	1998	0.934782	0.760012
United States Virgin Islands	1999	0.930633	0.751762
United States Virgin Islands	2000	0.956607	0.762725
United States Virgin Islands	2001	0.955895	0.760227
United States Virgin Islands	2002	0.959703	0.761204
United States Virgin Islands	2003	0.960362	0.761988
United States Virgin Islands	2004	0.96685	0.766782
United States Virgin Islands	2005	0.964826	0.766372
United States Virgin Islands	2006	0.926507	0.744328
United States Virgin Islands	2007	0.733662	0.621569
United States Virgin Islands	2008	0.734813	0.619853
United States Virgin Islands	2009	0.740848	0.622809
United States Virgin Islands	2010	0.746643	0.624255

United States Virgin Islands	2011	0.748312	0.62212
United States Virgin Islands	2012	0.74953	0.619269
United States Virgin Islands	2013	0.748915	0.614179
United States Virgin Islands	2014	0.746855	0.60744
United States Virgin Islands	2015	0.742282	0.598189
United States Virgin Islands	2016	0.742383	0.591309
United States Virgin Islands	2017	0.750479	0.590251
United States Virgin Islands	2018	0.761021	0.590597
United States Virgin Islands	2019	0.771097	0.590125
Uruguay	1990	0.787892	0.531212
Uruguay	1991	0.815435	0.545513
Uruguay	1992	0.792603	0.529812
Uruguay	1993	0.792372	0.527085
Uruguay	1994	0.782112	0.517604
Uruguay	1995	0.776781	0.509406
Uruguay	1996	0.77837	0.508201
Uruguay	1997	0.800527	0.519526
Uruguay	1998	0.786886	0.508517
Uruguay	1999	0.810708	0.520204
Uruguay	2000	0.821543	0.525213
Uruguay	2001	0.846287	0.538567
Uruguay	2002	0.836056	0.528477
Uruguay	2003	0.864479	0.540434
Uruguay	2004	0.894154	0.553194
Uruguay	2005	0.908873	0.560506

Uruguay	2006	0.913924	0.560684
Uruguay	2007	0.904512	0.551885
Uruguay	2008	0.924715	0.562482
Uruguay	2009	0.912966	0.55148
Uruguay	2010	0.93959	0.561935
Uruguay	2011	0.962523	0.566127
Uruguay	2012	0.976484	0.571097
Uruguay	2013	0.988945	0.57691
Uruguay	2014	0.996598	0.579124
Uruguay	2015	1.013463	0.586803
Uruguay	2016	1.039523	0.59868
Uruguay	2017	1.031497	0.593876
Uruguay	2018	1.024607	0.589103
Uruguay	2019	1.020814	0.586969
Uzbekistan	1990	1.053712	0.850642
Uzbekistan	1991	1.058001	0.854141
Uzbekistan	1992	1.078785	0.8679
Uzbekistan	1993	1.066371	0.853702
Uzbekistan	1994	1.030576	0.826133
Uzbekistan	1995	0.981071	0.793016
Uzbekistan	1996	0.943412	0.769216
Uzbekistan	1997	0.952693	0.779594
Uzbekistan	1998	0.966792	0.790835
Uzbekistan	1999	0.943803	0.773295
Uzbekistan	2000	0.917629	0.749618

Uzbekistan	2001	0.899862	0.73214
Uzbekistan	2002	0.894435	0.723247
Uzbekistan	2003	0.892522	0.716783
Uzbekistan	2004	0.89648	0.716733
Uzbekistan	2005	0.897849	0.728357
Uzbekistan	2006	0.887354	0.723319
Uzbekistan	2007	0.879009	0.725456
Uzbekistan	2008	0.868701	0.718806
Uzbekistan	2009	0.865821	0.718362
Uzbekistan	2010	0.876619	0.731268
Uzbekistan	2011	0.865302	0.727632
Uzbekistan	2012	0.862568	0.731741
Uzbekistan	2013	0.856119	0.730918
Uzbekistan	2014	0.845965	0.724626
Uzbekistan	2015	0.845181	0.726931
Uzbekistan	2016	0.839304	0.728291
Uzbekistan	2017	0.838265	0.723642
Uzbekistan	2018	0.835082	0.719203
Uzbekistan	2019	0.831718	0.71384
Vanuatu	1990	0.924689	1.062804
Vanuatu	1991	0.959062	1.090159
Vanuatu	1992	0.992102	1.11732
Vanuatu	1993	1.015954	1.136811
Vanuatu	1994	1.050027	1.165347
Vanuatu	1995	1.057606	1.170658

Vanuatu	1996	1.075089	1.181653
Vanuatu	1997	1.081546	1.182417
Vanuatu	1998	1.087602	1.181903
Vanuatu	1999	1.083482	1.169205
Vanuatu	2000	1.055304	1.134576
Vanuatu	2001	1.03525	1.103403
Vanuatu	2002	0.979033	1.042508
Vanuatu	2003	0.939	0.996405
Vanuatu	2004	0.932133	0.979734
Vanuatu	2005	0.931551	0.967699
Vanuatu	2006	0.933997	0.962733
Vanuatu	2007	0.937084	0.957964
Vanuatu	2008	0.939521	0.955358
Vanuatu	2009	0.939143	0.952518
Vanuatu	2010	0.938401	0.95149
Vanuatu	2011	0.947135	0.960747
Vanuatu	2012	0.945052	0.960552
Vanuatu	2013	0.941907	0.960476
Vanuatu	2014	0.930911	0.952544
Vanuatu	2015	0.923052	0.947129
Vanuatu	2016	0.912979	0.93965
Vanuatu	2017	0.911947	0.940753
Vanuatu	2018	0.909456	0.940258
Vanuatu	2019	0.90635	0.939138
Venezuela (Bolivarian Republic of)	1990	0.816605	0.702689

Venezuela (Bolivarian Republic of)	1991	0.804698	0.693203
Venezuela (Bolivarian Republic of)	1992	0.798843	0.686705
Venezuela (Bolivarian Republic of)	1993	0.757611	0.641868
Venezuela (Bolivarian Republic of)	1994	0.773954	0.64284
Venezuela (Bolivarian Republic of)	1995	0.78569	0.650344
Venezuela (Bolivarian Republic of)	1996	0.827465	0.689124
Venezuela (Bolivarian Republic of)	1997	0.859391	0.715852
Venezuela (Bolivarian Republic of)	1998	0.810625	0.676084
Venezuela (Bolivarian Republic of)	1999	0.831487	0.694345
Venezuela (Bolivarian Republic of)	2000	0.803139	0.671118
Venezuela (Bolivarian Republic of)	2001	0.799291	0.667806
Venezuela (Bolivarian Republic of)	2002	0.827619	0.684559
Venezuela (Bolivarian Republic of)	2003	0.765497	0.632291
Venezuela (Bolivarian Republic of)	2004	0.775109	0.637159
Venezuela (Bolivarian Republic of)	2005	0.759502	0.621158
Venezuela (Bolivarian Republic of)	2006	0.708105	0.576335
Venezuela (Bolivarian Republic of)	2007	0.670884	0.544186
Venezuela (Bolivarian Republic of)	2008	0.667097	0.540119
Venezuela (Bolivarian Republic of)	2009	0.678994	0.548394
Venezuela (Bolivarian Republic of)	2010	0.768656	0.622094
Venezuela (Bolivarian Republic of)	2011	0.78214	0.635776
Venezuela (Bolivarian Republic of)	2012	0.752834	0.615282
Venezuela (Bolivarian Republic of)	2013	0.769992	0.630856
Venezuela (Bolivarian Republic of)	2014	0.884428	0.726306
Venezuela (Bolivarian Republic of)	2015	0.880047	0.72823



Venezuela (Bolivarian Republic of)	2016	0.860449	0.71614
Venezuela (Bolivarian Republic of)	2017	0.828765	0.692569
Venezuela (Bolivarian Republic of)	2018	0.805853	0.675996
Venezuela (Bolivarian Republic of)	2019	0.785368	0.659536
Viet Nam	1990	1.930348	1.258255
Viet Nam	1991	1.895754	1.240529
Viet Nam	1992	1.868496	1.226206
Viet Nam	1993	1.841509	1.210638
Viet Nam	1994	1.813586	1.193323
Viet Nam	1995	1.782829	1.172882
Viet Nam	1996	1.743699	1.147006
Viet Nam	1997	1.709193	1.122924
Viet Nam	1998	1.672772	1.096766
Viet Nam	1999	1.63651	1.070041
Viet Nam	2000	1.579058	1.030261
Viet Nam	2001	1.521513	0.993379
Viet Nam	2002	1.47358	0.962
Viet Nam	2003	1.431813	0.932566
Viet Nam	2004	1.392316	0.903543
Viet Nam	2005	1.353006	0.874162
Viet Nam	2006	1.337065	0.859607
Viet Nam	2007	1.324604	0.850056
Viet Nam	2008	1.323289	0.849737
Viet Nam	2009	1.321261	0.852674
Viet Nam	2010	1.328771	0.860246

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5	Viet Nam	2011	1.341013	0.87573
6	Viet Nam	2012	1.354551	0.89126
7	Viet Nam	2013	1.369053	0.906847
8	Viet Nam	2014	1.387531	0.923227
9	Viet Nam	2015	1.409908	0.938181
10	Viet Nam	2016	1.431575	0.953848
11	Viet Nam	2017	1.459148	0.972659
12	Viet Nam	2018	1.486234	0.990891
13	Viet Nam	2019	1.508687	1.006537
14	Yemen	1990	0.981841	0.746822
15	Yemen	1991	0.968788	0.745728
16	Yemen	1992	0.950842	0.740663
17	Yemen	1993	0.932491	0.735044
18	Yemen	1994	0.913991	0.729153
19	Yemen	1995	0.904266	0.730324
20	Yemen	1996	0.896218	0.731679
21	Yemen	1997	0.882889	0.728787
22	Yemen	1998	0.870341	0.726354
23	Yemen	1999	0.857908	0.723453
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26	Yemen	2002	0.832844	0.720939
27	Yemen	2003	0.82958	0.723923
28	Yemen	2004	0.828547	0.727283
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Yemen	2006	0.829255	0.735995
Yemen	2007	0.83175	0.740204
Yemen	2008	0.832213	0.742458
Yemen	2009	0.832872	0.745576
Yemen	2010	0.835204	0.752401
Yemen	2011	0.845055	0.763452
Yemen	2012	0.853337	0.773794
Yemen	2013	0.862728	0.784063
Yemen	2014	0.869438	0.792211
Yemen	2015	0.873679	0.798236
Yemen	2016	0.879447	0.80375
Yemen	2017	0.885689	0.808814
Yemen	2018	0.891526	0.812253
Yemen	2019	0.897097	0.814499
Zambia	1990	0.874025	0.844793
Zambia	1991	0.860211	0.835418
Zambia	1992	0.844285	0.825868
Zambia	1993	0.821036	0.808517
Zambia	1994	0.809962	0.801534
Zambia	1995	0.79626	0.791593
Zambia	1996	0.782948	0.782316
Zambia	1997	0.766796	0.76913
Zambia	1998	0.750685	0.754682
Zambia	1999	0.732818	0.737519
Zambia	2000	0.707935	0.712561

Zambia	2001	0.693031	0.695964
Zambia	2002	0.677749	0.678508
Zambia	2003	0.667889	0.664051
Zambia	2004	0.659869	0.648766
Zambia	2005	0.655895	0.638442
Zambia	2006	0.660793	0.637345
Zambia	2007	0.659858	0.631617
Zambia	2008	0.660439	0.627202
Zambia	2009	0.667305	0.629889
Zambia	2010	0.679315	0.637493
Zambia	2011	0.69254	0.647015
Zambia	2012	0.707016	0.658908
Zambia	2013	0.720994	0.669655
Zambia	2014	0.729531	0.67707
Zambia	2015	0.735597	0.683088
Zambia	2016	0.741109	0.689189
Zambia	2017	0.749312	0.697265
Zambia	2018	0.752969	0.70141
Zambia	2019	0.759635	0.707038
Zimbabwe	1990	0.661655	0.555791
Zimbabwe	1991	0.640232	0.541326
Zimbabwe	1992	0.610999	0.522021
Zimbabwe	1993	0.567077	0.49111
Zimbabwe	1994	0.515934	0.449828
Zimbabwe	1995	0.461896	0.404784

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Zimbabwe	1996	0.418462	0.364105
Zimbabwe	1997	0.392742	0.335841
Zimbabwe	1998	0.414159	0.346022
Zimbabwe	1999	0.449094	0.366171
Zimbabwe	2000	0.487121	0.389527
Zimbabwe	2001	0.512585	0.40252
Zimbabwe	2002	0.54821	0.423934
Zimbabwe	2003	0.584949	0.445465
Zimbabwe	2004	0.618119	0.464381
Zimbabwe	2005	0.616168	0.459484
Zimbabwe	2006	0.640547	0.473186
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Zimbabwe	2011	0.724001	0.525821
Zimbabwe	2012	0.727939	0.527944
Zimbabwe	2013	0.739323	0.534652
Zimbabwe	2014	0.759521	0.547145
Zimbabwe	2015	0.758458	0.546135
Zimbabwe	2016	0.756162	0.544612
Zimbabwe	2017	0.757829	0.544924
Zimbabwe	2018	0.757228	0.54387
Zimbabwe	2019	0.757349	0.543382

## STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Page No
<b>Title and abstract</b>	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
<b>Introduction</b>			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
<b>Methods</b>			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4
Participants	6	(a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up <i>Case-control study</i> —Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls <i>Cross-sectional study</i> —Give the eligibility criteria, and the sources and methods of selection of participants	4
		(b) <i>Cohort study</i> —For matched studies, give matching criteria and number of exposed and unexposed <i>Case-control study</i> —For matched studies, give matching criteria and the number of controls per case	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	NA
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	4
Bias	9	Describe any efforts to address potential sources of bias	NA
Study size	10	Explain how the study size was arrived at	NA
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	NA
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	4, 5
		(b) Describe any methods used to examine subgroups and interactions	4, 5
	(c) Explain how missing data were addressed	NA	
	(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> —If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> —If applicable, describe analytical methods taking account of sampling strategy	NA	
	(e) Describe any sensitivity analyses	NA	

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60**Results**

Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	5, 6
		(b) Give reasons for non-participation at each stage	NA
		(c) Consider use of a flow diagram	NA
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	5, 6
		(b) Indicate number of participants with missing data for each variable of interest	NA
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	NA
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	5
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	NA
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	NA
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	5-8
		(b) Report category boundaries when continuous variables were categorized	NA
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	NA

**Discussion**

Key results	18	Summarise key results with reference to study objectives	5-8
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	10
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	10
Generalisability	21	Discuss the generalisability (external validity) of the study results	8-10

**Other information**

Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	11
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\*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

**Note:** An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at <http://www.plosmedicine.org/>, Annals of Internal Medicine at <http://www.annals.org/>, and Epidemiology at <http://www.epidem.com/>). Information on the STROBE Initiative is available at [www.strobe-statement.org](http://www.strobe-statement.org).

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## Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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# Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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21 Word count: 3988

22 **Keywords: Chronic kidney disease, global burden of disease, death, aging, risk**  
23 **factors**

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## Abstract

**Objectives:** To assess the characteristics of the global death burden imposed by CKD and the attributable risk factors from 1990 to 2019 to help inform a framework for policy discussions, resource allocation and research priorities.

**Design:** A population-based observational study.

**Setting:** The death data and relative risk factors were obtained from the Global Burden of Disease Study 2019 database.

**Main outcome measures:** Based on the GBD database, we estimated the death burden attributable to CKD stratified by sociodemographic index (SDI), geographic location, sex, age group, time period and risk factors from 1990 to 2019.

**Results:** Over 3-decade study period, the global number of CKD-related deaths increased from 0.60 million (95% UI: 0.57-0.63 million) in 1990 to 1.43 million (95% UI: 1.31-1.52 million) in 2019. The age-standardized death rate (ASDR) of CKD, among all causes, increased from 15th in 1990 to 10th in 2019. Globally, the ASDR in males was higher than that in females. CKD-related deaths mainly occurred in those aged over 50 years, especially in regions with higher SDIs. The ASDR was negatively related to SDI ( $\rho = -0.603$ ,  $P < 0.0001$ ). Among risk factors, metabolic risk factors, especially systolic blood pressure (SBP), fasting plasma glucose (FPG) and body mass index (BMI), were the main contributors to CKD-related deaths. Although the high-temperature-related death burden was low, the trend increased sharply in lower SDI regions.

**Conclusions:** CKD-related deaths continue to increase, with the majority occurring in elderly adults. The CKD-related death burden is higher in men than in women. Additionally, the increasing high-temperature-related death burdens in lower SDI regions should receive social attention.

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**Strengths and limitations of this study**

- This study evaluated the disease burden changing trends of chronic kidney disease over the past three decades.
- The disease burden changing trends and the relative risk factors of CKD were quantified to reveal the extent of the epidemic and suggest a framework for policy discussions, resource allocation and research priorities.
- Data on the impact of metabolic factors other than blood pressure and blood glucose, such as triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.

For peer review only

## 61 INTRODUCTION

62 Chronic kidney disease (CKD) refers to chronic renal dysfunction caused by various  
63 factors for more than 3 months.[1, 2] According to relevant statistics, there were an  
64 estimated 697.5 million cases of CKD worldwide in 2017.[1] The prevalence of CKD  
65 has increased with the aging of the population and has become a global public health  
66 problem.[3] The incidence rate increased by 29.3% compared with that in 1990.[1]  
67 Once diagnosed with CKD, the kidney function would gradually decline until the end-  
68 stage renal disease or even death, with little chance of reversal, imposing a heavy  
69 economic burden on society.

70 Studies have found that the sociodemographic index (SDI), human development level,  
71 economic situation, and health access and quality index are closely related to the CKD  
72 incidence.[4-7] Complex influencing factors make the diagnosis and treatment of  
73 CKD difficult, which seriously increases the public health burden.[8, 9] Although  
74 several studies on CKD have been conducted,[1, 10] detailed death burden analyses of  
75 recent 3-decade period are scarce and need to be further studied.

76 In the context of current global Big Data, deep quantitative analyses of CKD  
77 morbidity and mortality and their influencing factors are crucial in guiding decisions  
78 by policymakers and health care providers. However, the details of CKD-related  
79 mortality have been poorly studied worldwide. Considering these factors, we carried  
80 out research on the global CKD-related death burden and related risk factors from  
81 1990-2019. We also analyzed the numbers of deaths caused by CKD and the age-  
82 standardized death rates (ASDRs) by time period, region, age, risk factors and sex.

## 84 MATERIALS AND METHODS

### 85 Study data

86 Data analyzed in the present study were obtained from the online database the Global  
87 Health Data Exchange (GHDx) query tool ([http://ghdx.healthdata.org/gbd-results-  
88 tool](http://ghdx.healthdata.org/gbd-results-tool)), which were based on literature studies, survey data, surveillance data, medical  
89 records, health insurance claims and statistical model analysis.[11] The database  
90 provides epidemiological data about 369 diseases and 87 attributable risk factors in  
91 204 countries and territories from January 1, 1990 to December 31, 2019,  
92 disaggregated by time, location and sex, and is constantly updated by ongoing  
93 multinational cooperative organizations.[12, 13] Detailed research methods followed  
94 the Global Burden of Disease study (GBD) 2019.[12, 13] The SDI, based on fertility,  
95 income per capita and educational attainment, was used as a composite indicator of  
96 the degree of health-related development at the national or regional level. The SDI  
97 value ranges from 0 to 1, and all the countries were classified into five SDI regions:  
98 low-, low-middle-, middle-, high-middle- and high-SDI regions, according to the SDI  
99 quintiles. Regions with a lower value indicated a lower degree of development  
100 associated with health outcomes. In addition, countries were divided into 21 regions  
101 according to geographical location. Age-standardized rates (ASRs) based on the  
102 updated standard population were also available in the GBD 2019, allowing the

103 analysis of CKD according to age structure and population size.

#### 104 **Statistical analysis**

105 Numbers and ASDRs, and associated 95% uncertainty intervals (UIs) provided by  
106 GBDx, were analyzed to quantify the CKD-related death burden attributed to risk  
107 factors. Ninety-five percent UI values fell between the 2.5th and 97.5th percentiles of  
108 1000 samples that were extracted from the posterior distribution in the modeling  
109 process.[14] The time trend of an ASR over a specified time period was represented  
110 by the estimated annual percentage change (EAPC), which detailed calculation  
111 method has been reported in many previously published GBD studies.[15, 16] In  
112 brief, the natural logarithm of the ASR is assumed to be linear over time; therefore,  
113  $\ln(\text{ASR}) = \alpha + \beta \times (\text{calendar year}) + \text{error term}$ . The  $\text{EAPC} = 100 \times (\exp(\beta) - 1)$ , and the  
114 95% confidence interval (95% CI) can be obtained from the linear regression model.  
115 To assess the trends of data over time from 1990 to 2019, Joinpoint trend analyses  
116 were performed by fitting several different line segments on a logarithmic scale with  
117 the simplest model. Significant changes were identified by permutation tests and  
118 estimated by the Monte Carlo method. A *P* value less than 0.05 was used to denote to  
119 be statistical significance.

120 All statistical and graphical analyses were carried out using R version 4.1.2 (Vienna,  
121 Austria), Joinpoint software version 4.9.0.1 (National Cancer Institute, USA) and  
122 GraphPad Prism 8 (California, USA).

#### 123 **Patient and Public Involvement**

124 Patients or the public were not involved in this study.

## 126 **RESULTS**

### 127 **1. Global burden of chronic kidney disease**

#### 128 ***1.1 Changing trend of global CKD-related burden from 1990 to 2019***

129 Globally, there were an estimated 697.3 million CKD cases and 19.0 million incident  
130 cases in 2019, both of which were more than twice those in 1990 (supplementary  
131 table 1, supplementary table 2, supplementary figure 1a and supplementary figure 1b).  
132 The number of deaths caused by CKD doubled from 0.6 million (95% UI: 0.57-0.63  
133 million) in 1990 to 1.4 million (95% UI: 1.31-1.52 million) in 2019 (table 1; figure  
134 1a). Among all the causes of death, the percentage of deaths due to CKD doubled  
135 from 1.3% to 2.5%. The numbers of deaths caused by CKD increased from 19th in  
136 1990 to 11th in 2019 (supplementary figure 2a), and the ASDR increased from 15th to  
137 10th (supplementary figure 2b). Global DALYs also doubled from 21.5 million in  
138 1990 to 41.5 million in 2019 (supplementary table 3 and supplementary figure 1c).  
139 During this period, the age-standardized incidence rate (ASIR) increased over time,  
140 with an EAPC of 3.2 (95% CI: 3.11 to 3.19) (supplementary table 2, supplementary  
141 figure 3). The ASDR, DALYs, YLLs and YLDs showed upward trends in the first  
142 half of the study period but downward trends in the latter years according to the  
143 Joinpoint analyses (figure 1b right, supplementary figure 3). These trends were  
144 consistent in both the male and female (supplementary figure 3).

145

146 **Table 1.** Death cases and age-standardized death rates of chronic kidney disease in 1990 and

147 2019, and the temporal trends from 1990 to 2019.

	1990		2019		1990-2019
Characteristics	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	EAPC of ASDR (95% CI)
Global	601.31 (567.6-633.79)	16.14 (15.13-17.13)	1427.23 (1313.73- 1524.55)	18.29 (16.72-19.55)	0.55 (0.46 to 0.64)
<b>Gender</b>					
Males	313.94 (293.38-338.57)	19.55 (18.19-21.18)	741.38 (685.84-801.7)	21.59 (19.93-23.27)	0.55 (0.46 to 0.64)
Females	287.37 (268.8-305.44)	13.89 (12.91-14.79)	685.85 (614.92-741.57)	15.8 (14.17-17.09)	0.55 (0.46 to 0.64)
<b>SDI regions</b>					
Low	62.02 (55.89-68.54)	27.21 (24.08-30.65)	125.07 (112.78-137.96)	25.28 (22.9-27.68)	-0.27 (-0.31 to -0.22)
Low-middle	126.51 (114.96-138.84)	21.9 (19.73-24.25)	293.49 (265.9-320.13)	22.95 (20.77-25.04)	0.14 (0.01 to 0.26)
Middle	196.59 (183.72-209.89)	21.01 (19.54-22.84)	506.13 (464.49-547.47)	22.8 (20.79-24.75)	0.43 (0.36 to 0.5)
High-middle	116.33 (109.59-124.18)	12.25 (11.42-13.2)	227.99 (207.02-244.66)	11.78 (10.65-12.65)	-0.08 (-0.22 to 0.06)
High	99.47 (92.56-103.08)	9.61 (8.92-9.98)	273.59 (236.92-294.76)	12.58 (11.09-13.47)	1.21 (1.09 to 1.32)
<b>21 GBD regions</b>					
Central Asia	5.04 (4.73-5.75)	10.01 (9.33-11.63)	10.38 (9.43-11.49)	14.75 (13.48-16.17)	1.11 (0.73 to 1.49)
Central Europe	13.14 (12.7-13.56)	9.62 (9.22-9.93)	18.76 (16.33-21.22)	8.61 (7.5-9.74)	-0.23 (-0.36 to -0.11)
Eastern Europe	11.06 (10.74-11.35)	4.41 (4.25-4.53)	15.93 (14.23-17.56)	4.85 (4.34-5.34)	-0.16 (-0.42 to 0.09)
Australasia	2.02 (1.85-2.14)	9.27 (8.39-9.87)	6.12 (5.14-6.85)	10.77 (9.17-12)	0.7 (0.62 to 0.78)
High-income Asia Pacific	22.94 (21.27-23.86)	13.12 (12.01-13.73)	54.14 (42.82-60.58)	9.13 (7.54-10.06)	-1.35 (-1.43 to -1.28)
High-income North	35.75 (32.89-37.2)	9.79 (9.03-10.18)	114.46 (102.38-122.48)	16.88 (15.26-17.98)	2.26 (2.07 to 2.45)

148



America					
Southern Latin America	8.99 (8.51-9.42)	20.79 (19.61-21.83)	21.69 (19.81-23.33)	25.45 (23.27-27.34)	0.72 (0.43 to 1.02)
Western Europe	49.78 (46.2-51.89)	8.49 (7.86-8.87)	116.66 (99.12-126.16)	9.97 (8.58-10.73)	0.98 (0.86 to 1.1)
Andean Latin America	5.24 (4.78-5.74)	25.51 (23.13-28.1)	19.38 (16.14-22.96)	35.68 (29.73-42.21)	1.37 (1.07 to 1.67)
Caribbean	4.79 (4.47-5.28)	18.59 (17.28-20.52)	12.66 (10.85-14.78)	24.58 (21.08-28.71)	1.44 (1.31 to 1.58)
Central Latin America	20.7 (19.77-21.36)	25.77 (24.22-26.76)	111.71 (98.57-125.86)	48.11 (42.52-54.16)	2.42 (2.09 to 2.74)
Tropical Latin America	16.59 (15.87-17.14)	19.36 (18.16-20.14)	44.22 (40.46-46.73)	18.96 (17.25-20.06)	0.01 (-0.06 to 0.09)
North Africa and Middle East	52.6 (47.64-61.84)	34.74 (30.67-44.08)	111.81 (96.42-130.85)	30.37 (26.34-35.39)	-0.43 (-0.51 to -0.34)
South Asia	117.5 (100.02-134.35)	22.21 (18.57-25.75)	285.34 (248.21-324.6)	21.56 (18.82-24.36)	-0.3 (-0.51 to -0.08)
East Asia	104.32 (92.79-116.88)	13.28 (11.9-14.75)	209.29 (179.98-237.7)	11.55 (9.99-13.05)	-0.21 (-0.32 to -0.1)
Oceania	0.62 (0.53-0.72)	20.82 (18.22-23.98)	1.6 (1.32-1.93)	23.8 (20.26-27.96)	0.31 (0.12 to 0.49)
Southeast Asia	68.7 (63.3-74.86)	27.38 (24.96-30.14)	153.37 (137.32-169.64)	27.79 (24.63-30.68)	0.06 (0 to 0.12)
Central Sub-Saharan Africa	6.45 (5.47-7.54)	30.32 (25.81-34.98)	12.36 (9.7-15.19)	25.87 (19.78-31.73)	-0.64 (-0.68 to -0.61)
Eastern Sub-Saharan Africa	21.64 (19.01-24.17)	29.43 (25.56-33.33)	38.6 (34.23-43.26)	26.24 (23.43-29.23)	-0.5 (-0.55 to -0.46)
Southern Sub-Saharan Africa	6.18 (5.58-7.05)	23.04 (20.68-26.41)	16.27 (14.95-17.65)	32.44 (29.77-35.1)	1.31 (0.95 to 1.66)
Western Sub-Saharan Africa	27.27 (23.36-32.18)	31.88 (27.56-37.76)	52.47 (44.11-61.28)	29.35 (25.21-33.71)	-0.21 (-0.25 to -0.17)

149 SDI: sociodemographic index; ASDR: age-standardized death rate; EAPC: estimated annual  
 150 percentage change; UI: uncertainty interval; CI: confidence interval.

151

## 152 ***1.2 Changing trend of CKD-related death burden in each SDI region***

153 Of the total DALYs caused by CKD, which is consisted of years of life lost  
 154 prematurely (YLLs) and years lived with disability (YLDs), YLLs accounted for  
 155 78.9%, while YLDs accounted for 21.1% in 2019. Therefore, we focused subsequent  
 156 analyses mainly on the CKD-related death burden. During the three decades, all five  
 157 SDI regions showed increases in the numbers of deaths over time (figure 1b left).



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3 158 Among them, the middle-SDI region showed the highest death numbers, reaching 0.5  
4 159 million, and the low-SDI region had the lowest, with 0.1 million, in 2019 (figure 1a  
5 160 and 1b left). The ASDR in the high-SDI region increased dramatically, with an EAPC  
6 161 of 1.2 (95% CI: 1.09 to 1.32), and exceeded that of the high-middle-SDI from 2011  
7 162 onward (figure 1b right). In contrast, the low-SDI region still had the highest ASDR  
8 163 in 2019, at 25.3 per 100,000 population (95% UI: 22.90-27.68), although it had the  
9 164 most significant declining trend (EAPC: -0.27, 95% CI: -0.31 to -0.22) (figure 1b  
10 165 right). The ASDR was negatively correlated with SDI level worldwide ( $\rho = -0.603$ ,  $P$   
11 166  $< 0.0001$ , figure 1c), while the ASIR was positively correlated with SDI level ( $\rho =$   
12 167  $0.54$ ,  $P < 0.0001$ , supplementary figure 4).

### 168 **1.3 The ASDR increased in most regions and countries**

169 At the regional level, death numbers in all 21 regions and the ASDRs in most regions  
170 showed increasing trends during this period (figure 1d). At the country level, CKD-  
171 related deaths increased by more than 500% in the United Arab Emirates, Venezuela,  
172 Estonia, Armenia, El Salvador and Ecuador over the three-decade study period  
173 (supplementary table 4). India (0.22 [95% UI: 0.19-0.26] million) surpassed inland  
174 China (0.2 [95% UI: 0.17-0.23] million) to be the largest number of CKD-related  
175 deaths in 2019. The number of deaths in the United States of America (0.11 [95% UI:  
176 0.10-0.11] million) was second to only those in India and China. The total number of  
177 deaths for these three countries accounted for 36.9% of the worldwide number of  
178 deaths in 2019 (figure 1e, supplementary figure 5). Nicaragua had the largest ASDR,  
179 at 80.2 (95% UI: 69.57-83.24) per 100,000 population (figure 1f, supplementary table  
180 4). Estonia showed the fastest increase in the ASDR with an EAPC of 5.4 (95% CI:  
181 4.91 to 5.81) during this period (figure 1g, supplementary table 4). While Mongolia  
182 had the fastest decrease in the ASDR of CKD (EAPC: -3.6, 95% UI: -4.07 to -3.12)  
183 (figure 1g, supplementary table 4).

## 184 **2. The CKD-related death burden in males was higher than that in females in** 185 **relatively high SDI regions**

### 186 **2.1 The CKD-related death burden was unbalanced between sexes at the SDI level**

187 Generally, the number of CKD-related deaths was larger in males than in females  
188 over the past 3 decades (figure 2a). At the SDI level, even though both showed  
189 increasing trends, the difference slightly narrowed with time, with the ratio of female  
190 deaths to male deaths changing from 0.915 in 1990 to 0.925 in 2019 (figure 2b). The  
191 ratio remained above 1 in the high-SDI region during this period. In 2019, the high-  
192 and high-middle-SDI regions had higher female death burdens, with ratios of female  
193 deaths to male deaths of 1.1 and 1.0, respectively, while the ratios in low- and low-  
194 middle-SDI regions were 0.802 and 0.812, which were the lowest (figure 2b left).  
195 Similar to the number of deaths, the CKD-related ASDR in males was higher than  
196 that in females over this period. In 2019, the female to male ASDR ratios ranged from  
197 0.6 to 0.8 in all the SDI regions (figure 2b right), suggesting that the CKD-related  
198 death burden was unbalanced between sexes.

### 199 **2.2 The ASDR in males increased in most regions and countries**

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2  
3 200 At the regional level, the female to male deaths ratios in Eastern Europe was the  
4 201 highest (1.3), and that in Oceania was the lowest (0.7) in 2019. Death cases of both  
5 202 sexes were mainly concentrated in Asia. Both male and female deaths in Latin  
6 203 America had the fastest increase over time. In contrast, female death numbers in  
7 204 Eastern Europe and male death numbers in Central Europe had the slowest increases  
8 205 (figure 2c, supplementary table 5). Unlike the number of deaths, the female to male  
9 206 ASDR ratios in most regions were less than 1.0, except in North Africa and Middle  
10 207 East (1.0). The ratio in Southern sub-Saharan Africa was the lowest, at 0.6  
11 208 (supplementary table 5).

12 209 At the country level, the numbers of male deaths in almost all the countries showed  
13 210 increasing trends, except in Slovakia and Poland. The death ratios in Estonia,  
14 211 Hungary, Latvia, Austria and Vietnam were over 1.5, which suggested that the CKD-  
15 212 related death burden was much higher in women than in men in these countries. In  
16 213 contrast, the ratio was less than 0.5 in Papua New Guinea and the United Arab  
17 214 Emirates, indicating a higher death burden in men (figure 2d, supplementary table 6).  
18 215 The ASDRs in both females and males in Mongolia showed the largest decreases,  
19 216 with decreases of 43.2% in females and 57.1% in males.

### 217 **3. The age-related CKD-related death burden is more serious in high-SDI** 218 **regions**

#### 219 ***3.1 The numbers of CKD-related death increased with age in 2019***

220 In 2019, global CKD-related deaths were mainly distributed in middle-aged and  
221 elderly people over 50 years old, specifically 50-74 years old, who accounted for  
222 41.9% (figure 3a). Those aged 50-74 years had the largest death numbers in all the  
223 SDI regions except high-SDI region. In high-SDI region, the numbers of CKD-related  
224 death were increased with age, with the largest in 85 plus age group. The numbers of  
225 deaths in the 85 plus age group had the greatest increases in all SDI regions (figure  
226 3a). Those aged 0-9 years showed decreases in the numbers of deaths in all the SDI  
227 regions except the low-SDI region. Those aged 10-24 years had increased numbers of  
228 deaths in the low- and low-middle-SDI regions (figure 3b). Therefore, premature  
229 deaths were mainly concentrated in the relatively lower SDI regions in 2019.

#### 230 ***3.2 The changing trend of CKD-related death burden from 1990 to 2019 in each*** 231 ***SDI regions***

232 During this period, the age distribution of CKD-related deaths in the relatively young  
233 population, including the 0-9, 10-24 and 25-49, and 50-74 age groups, showed a  
234 declining trend (figure 3c). In contrast, deaths in elderly individuals, particularly those  
235 aged 85 years and older, showed an upward trend. Central Asia was the only region  
236 that saw a decline composition of 85 plus age group (figure 3c). As to SDI level, the  
237 proportion of deaths the 85 plus age group showed an upward trend with increasing  
238 SDI level, with the highest value of 58.2% in the Western Europe region in 2019.  
239 Eastern sub-Saharan Africa and Western sub-Saharan Africa, with lower SDI levels,  
240 had the highest proportions of the 10-24 and 0-9 age groups, respectively. The high-  
241 income Asia Pacific region had the largest increase in the proportion among the 85

242 plus age group and the largest decrease among the 50-74 age group (figure 3c). These  
243 results revealed that the CKD-related death burden gradually shifted to elderly  
244 individuals in higher SDI regions. In addition, the proportion of females increased  
245 with increasing age was found in the further analysis of sex compositions among  
246 different age groups (figure 3d).

#### 247 **4. CKD Burden attributable to risk factors**

##### 248 ***4.1 The main risk factors for death from CKD***

249 Globally, metabolic disorders (such as diabetes, obesity and hypertension) were the  
250 main risk factors for death from CKD. Over this period, the numbers of deaths due to  
251 CKD attributable to high systolic blood pressure (SBP), high fasting plasma glucose  
252 (FPG) and high body mass index (BMI) sharply increased (figure 4a), which were the  
253 main risk factors contributing to the ASDR of CKD, accounting for 62.0%, 33.6%  
254 and 27.2%, respectively in 2019. Even though the ASDR of CKD attributable to high  
255 BMI had the largest increase, at 77.1%, compared with 17.6% for high SBP and  
256 20.4% for high FPG, the ranks of these risk factors did not change (figure 4a).

##### 257 ***4.2 The high SBP-attributed ASDRs in all five SDI regions***

258 CKD attributable to high SBP was associated with the highest ASDRs in all the SDI  
259 regions over this period (figure 4a). In 2019, high SBP-attributed death rate in the  
260 low-SDI region was higher than in other SDI-regions (figure 4b), even though it  
261 showed the greatest reduction during the 30-year study period (decrease of 3.0%). The  
262 high SBP-attributed death rate in the high-SDI region saw the fastest increase (figure  
263 4b). In 2019, ASDR attributed to high SBP in the high-middle-SDI region was the  
264 lowest. At the regional level, the rank of the high SBP-attributed ASDR in Central  
265 Latin America increased from sixth in 1990 to first among all 21 regions in 2019, with  
266 the greatest increase.

##### 267 ***4.3 Other metabolic disorders factors for CKD-related ASDR in each SDI regions***

268 The highest FPG-attributed ASDRs were mainly concentrated in the low-middle and  
269 low-SDI regions during this period (figure 4b). In 2019, high FPG was the second  
270 most prevalent risk factor, followed by high BMI, in all regions except the high-SDI  
271 region (figure 4a, c). In contrast, BMI was ranked as the second most prevalent  
272 contributor, exceeding FPG, to the ASDR in the high-SDI region in 2019, even  
273 though the FPG-attributed death rate in this region showed a larger increase than  
274 those in other regions (figure 4b, c). In 2019, the FPG-attributed ASDR in the middle-  
275 SDI region was higher than those in the other SDI regions, while that in the high-  
276 middle-SDI region was the lowest (figure 4b). The BMI-attributed ASDR in the  
277 middle-SDI was the highest, while in the high-middle SDI, it was the lowest. It is  
278 worth noting that the BMI-attributed ASDRs in all five SDI regions had steeply  
279 increasing trends over this period (figure 4b). A diet high in sodium was the fourth-  
280 ranked contributor to the CKD ASDR in the high-middle-, middle- and low-middle-  
281 SDI regions and the fifth-ranked contributor in the high- and low-SDI regions (figure  
282 4a).

##### 283 ***4.4 The changing trends of ASDRs caused by high or low temperature in different***

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3 284 **areas**

4 285 Notably, although the high temperature-related death burden was low (figure 4c), the  
5 286 high temperature-attributed ASDRs increased steeply in the low-middle- and low-SDI  
6 287 regions over this period (figure 4b). These regions had the highest high temperature-  
7 288 attributed ASDRs in 2019 (figure 4c). In sharp contrast, the high temperature-  
8 289 attributed ASDRs in the high-middle- and high-SDI regions decreased by 7.6 and 6.6  
9 290 times, respectively, compared with those in 1990 (figure 4b). The high-middle-SDI  
10 291 region had the lowest high temperature-related death rate in 2019. At the regional  
11 292 level, East Asia, High-income North America, South Asia and Western Europe  
12 293 showed the fastest increases in the high temperature-attributed ASDRs, and South  
13 294 Asia had the highest high temperature-attributed death rate in 2019. Central Latin  
14 295 America and Southeast Asia had the fastest decreases in the high temperature-  
15 296 attributed ASDR. Tropical Latin America, Southern sub-Saharan Africa and Eastern  
16 297 sub-Saharan Africa had the lowest values. In addition, the risk factors of low  
17 298 temperature and lead exposure were much larger than those of high temperature, and  
18 299 low temperature exposure was the first of the three in high- and high-middle-SDI  
19 300 regions (figure 4a).

20 301

21 302 **DISCUSSION**

22 303 Despite advancements in scientific research that have led to a better understanding of  
23 304 the pathogenesis of diseases and significant improvements in disease management, no  
24 305 significant improvement was observed in the burden of CKD-related deaths, in  
25 306 contrast with other noncommunicable diseases. CKD is characterized by a gradual  
26 307 decline kidney function that eventually results in end-stage renal disease (ESRD),  
27 308 with little chance of reversal. CKD is therefore an important cause of morbidity and  
28 309 mortality among noncommunicable diseases.[17]

29 310 Our results showed significant regional variations in the CKD-related death burdens.  
30 311 The ASDR of CKD was associated with SDI, with higher CKD ASDRs in lower SDI  
31 312 regions. This may be related to a lack of effective health interventions caused by  
32 313 inadequate health care funding and weak health systems in lower SDI regions.[18] If  
33 314 these trends continue, differences in the CKD death burden among regions will  
34 315 increase further. In terms of geographical regions and countries, the CKD death  
35 316 burden in Mesoamerica (especially Nicaragua, El Salvador and Mexico) was more  
36 317 serious than those in other geographical locations. This may be due to the  
37 318 megathermal climate or the rates of diabetes and hypertension, which are major risk  
38 319 factors globally.[19] A recent study revealed that agricultural workers who currently  
39 320 or used to work in the sugarcane industry may be at high-risk of CKD.[19, 20] In  
40 321 addition, climate change in this region may be a risk factor for CKD-related  
41 322 death.[21] These findings call for increased government planning and interventions  
42 323 and the development of new and more appropriate solutions to address the CKD death  
43 324 burden in this area.

44 325 Globally, the number of CKD-related deaths and ASDR were larger and higher in



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2  
3 326 males than in females, but the difference narrowed over time. It is worth noting that  
4 327 the sex ratio of deaths in the high-SDI region remained above 1 during the study  
5 328 period, but the ASDR ratio did not, which may be attributed to the increase in the  
6 329 population and the aging of the population in this region, especially among females.  
7 330 In contrast, the sex ratio of the ASDR was higher than the ratio of deaths in several  
8 331 countries in the Middle East, such as Egypt (1.60 vs. 1.13 in Egypt). This result  
9 332 coincided with the lower disability-free life expectancy among women's total lifetime  
10 333 in this region.[22]

11 334 Over the past 30 years, the age distribution of CKD-related deaths showed a gradual  
12 335 increasing trend with age, and people in the middle-aged and elderly groups (> 50  
13 336 years old) accounted for the main proportion of CKD deaths. This trend may be  
14 337 closely related to improvements in health care as well as population aging worldwide.  
15 338 However, in regions with relatively low SDIs, such as Africa, premature deaths are  
16 339 still prevalent, with increasing numbers, which may be explained by the low levels of  
17 340 medical and health care in these regions. Patients diagnosed with CKD may not  
18 341 receive timely and adequate medical care to slow the progression of renal  
19 342 deterioration, resulting in premature death, which reflects the impact of  
20 343 socioeconomic development on premature CKD-related deaths.[23] Therefore, policy  
21 344 makers and the health care sector in these regions should implement urgent measures  
22 345 to reverse this negative trend.

23 346 The most cost-effective strategy to reduce the number of CKD-related deaths is  
24 347 preventing the onset of CKD.[24] Therefore, screening high-risk groups and  
25 348 developing interventions targeting a variety of risk factors are the most effective  
26 349 approaches.[24, 25] High SBP, FPG and BMI were the main risk factors for CKD-  
27 350 related death.[1, 7, 26] Hence, implementing measures to improve blood pressure,  
28 351 plasma glucose and body weight is critical for reducing the CKD burden.[27]

29 352 Although the CKD-related death burden attributed to high temperature exposure was  
30 353 low, the rapid upward trend, especially in the low- and low-middle-SDI regions,  
31 354 should be noted. In contrast, this burden in the high- and high-middle-SDI regions  
32 355 tended to remain stable or even decreased. Some studies recently reported large  
33 356 numbers of young sugarcane workers with end-stage of CKD, who did not have any  
34 357 known risk factors for CKD, such as high blood pressure or diabetes before.[19]  
35 358 Subsequent reports found that CKD of unknown origin also occurred in people who  
36 359 worked in agriculture or construction in other low-socioeconomic areas.[28] It has  
37 360 already been the leading cause of hospitalization and death among CKD patients in  
38 361 Central America.[29] Even though the exact pathogenesis of CKD in these individuals  
39 362 is currently unknown, it is undoubtedly related to heat exposure and dehydration  
40 363 caused by rapidly changing environmental conditions.[28, 30, 31] Compared with the  
41 364 higher SDI regions, the ability to provide health care and adapt to climate change in  
42 365 relative lower regions were limited; therefore, the situation is severely affected by  
43 366 high temperature exposure and is getting worse.[31] Local governments should  
44 367 formulate effective measures to cope with the high-temperature environment and

368 formulate strategies to mitigate climate change. Moreover, cooperation among  
369 clinicians, public health personnel, government agencies and medical researchers  
370 should be promoted to raise public awareness of CKD, actively explore the specific  
371 mechanism of the influence of high temperature exposure on CKD and minimize the  
372 adverse effects of climate change on kidney health.

373 Additionally, it has been shown that the association between cold exposure promoting  
374 CKD-related hospital visits is stronger than at moderate and high temperatures.[32]  
375 And acute cold exposure can lead to a significant increase in arterial blood pressure in  
376 patients with or without comorbid CKD.[33] Therefore, avoiding acute cold exposure  
377 and enhancing warmth measures in cold exposure are particularly important.  
378 Environmental lead exposure increases the risk of CKD.[34, 35] Due to the  
379 prevalence of lead in the environment, human exposure to this metal is almost  
380 inevitable. Therefore, public measures to reduce environmental contamination and  
381 reduce the food chain transfer of lead are essential, as are measures to reduce risk by  
382 setting maximum allowable concentrations of lead in staple foods at the lowest  
383 achievable levels.

#### 384 **Limitations**

385 The GBD database provides extensive data and estimates of risk factors for the global  
386 burden of CKD, but there are some limitations, which have been detailed in many  
387 previously published studies.[13] First, more detailed information about the included  
388 countries and regions could not be obtained from the GBD database. In some  
389 countries with large territory spans or with multinational populations, the impact of  
390 regional and ethnic differences within countries on the global burden of CKD could  
391 not be further analyzed. In addition, the CKD burden may be underestimated in less  
392 developed countries and areas due to limited access to health care. Moreover, data on  
393 the impact of metabolic factors other than blood pressure and blood glucose, such as  
394 triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.

#### 395 **CONCLUSIONS**

396 In summary, CKD remains a critical global public health concern. CKD-related  
397 deaths continue to increase, with the majority now occurring in elderly adults, mainly  
398 due to the increase in and the aging of the global population. However, the numbers  
399 of premature deaths in regions with low-SDI levels remain high, and the trend is  
400 increasing. In addition, the burden of CKD-related deaths is more severe in men than  
401 in women, though this difference is likely to narrow over time. Hypertension, diabetes  
402 and obesity remain critical risk factors for CKD. Moreover, in the low-SDI region, the  
403 rapidly increasing number of CKD-related deaths attributed to high temperature  
404 exposure should not be ignored, and national-level measures should be taken to  
405 reverse this trend.

#### 406 **Acknowledgments**

407 Authors appreciate all the collaborators involved in the GBD study 2019.

#### 408 **Competing interests**

409 No competing interests to declare.

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3 410 **Contributors**

4 411 The idea and conceptual design: YL and XS; Data acquisition: ZC and NH; Literature  
5 412 retrieval and data collation: XL and XF; Data analysis: ZC and JL; Visualization: XL  
6 413 and YL; Preparation of the original draft: ZC and NH; Manuscript editing and  
7 414 revising: YL, XF and XS. Authors confirm that all of them have full access to all the  
8 415 data of the present study and are responsible for submitting for publication.

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12 419 ZR2020QH086).

13 420 **Ethics approval**

14 421 Not applicable. Data of this study was publicly available and no patient and animal  
15 422 was involved.

16 423 **Data sharing statement**

17 424 Data are available in a public, open access repository. Data used from the online  
18 425 database the Global Health Data Exchange (GHDx) query tool  
19 426 (<http://ghdx.healthdata.org/gbd-results-tool>).[11]  
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3 554 **Figure legends**  
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6 555 **figure 1.** Global death cases and death rate of CKD from 1990 to 2019. (A) Death  
7 556 cases in global and SDI areas in 1990 and 2019. (B) Death cases and ASDRs in global  
8 557 and SDI areas from 1990 to 2019. (C) Relationship between ASDRs and SDI from  
9 558 1990 to 2019. (D) Death cases and ASDRs in 21 geographic regions from 1990 to  
10 559 2019. (E) Death cases in 204 countries and territories in 2019. (F) The ASDRs in 204  
11 560 countries and territories in 1990 and 2019. (G) The EAPCs of ASDRs in 204  
12 561 countries and territories from 1990 to 2019. ASDR, age-standardized death rate (per  
13 562 100,000 population).

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17 563 **figure 2.** Sex differences and trends of CKD deaths and ASDR from 1990 to 2019.  
18 564 (A) The ASDRs in males and females globally from 1990 to 2019. (B) Death cases  
19 565 ratio between females to males (left) and ASDR ratio between females to males  
20 566 (right), in global and SDI areas in 1990 and 2019. (C) Gender composition of death  
21 567 cases and ASDR in global and SDI areas in 1990 and 2019. (D) Death cases ratio  
22 568 between females to males (left) and ASDR ratio between females to males (right) in  
23 569 204 countries and territories in 2019. ASDR, age-standardized death rate (per 100,000  
24 570 population).

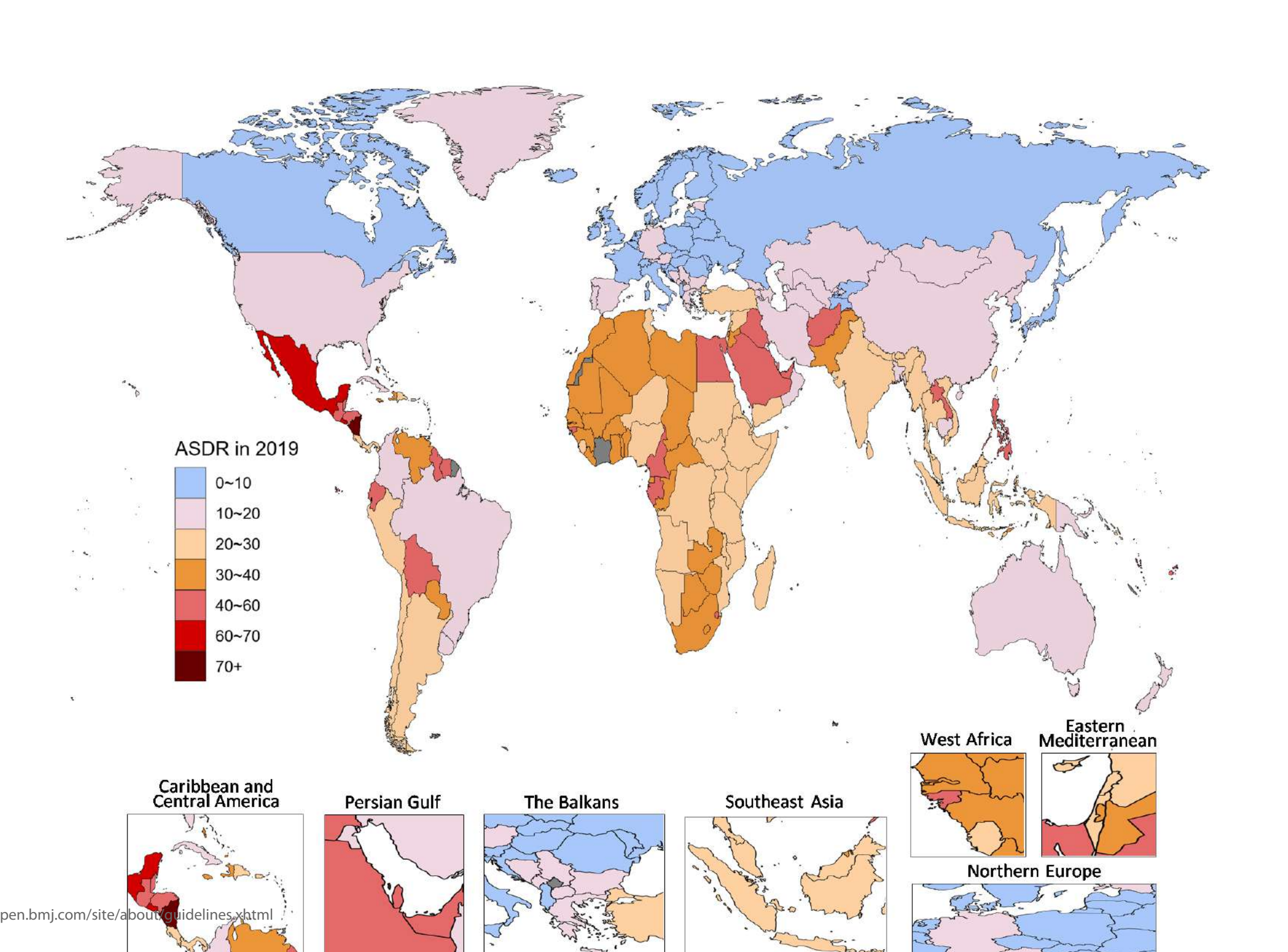
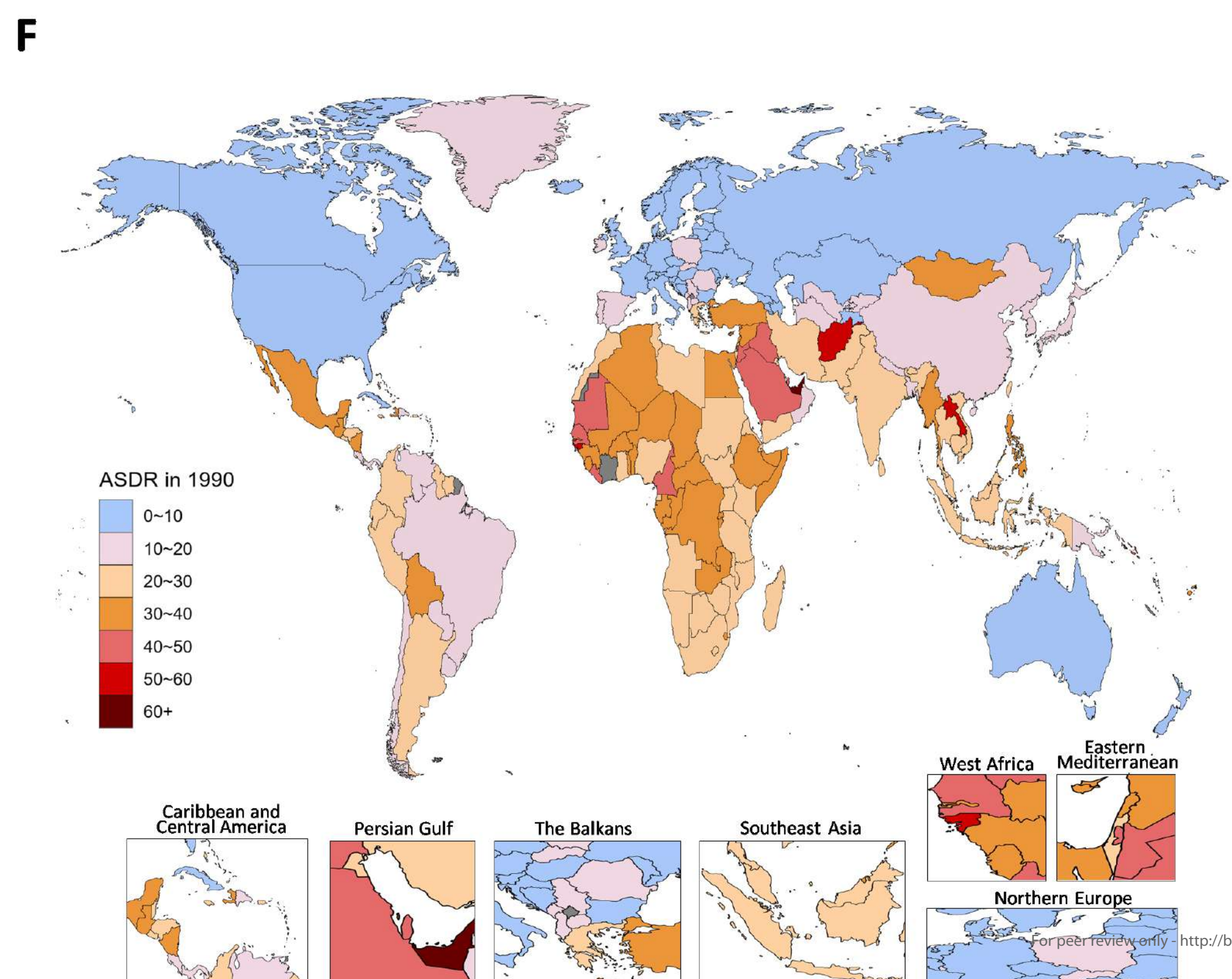
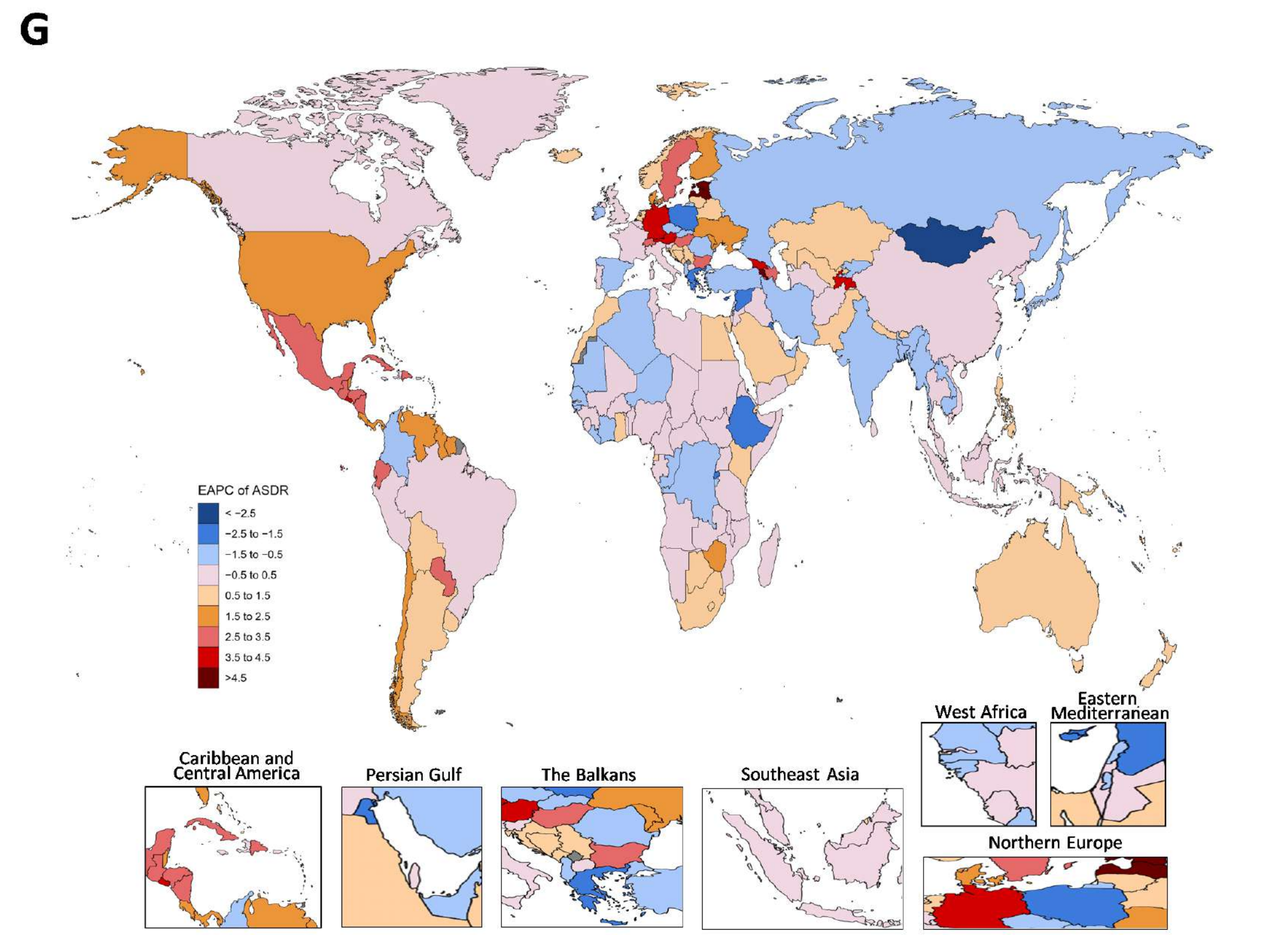
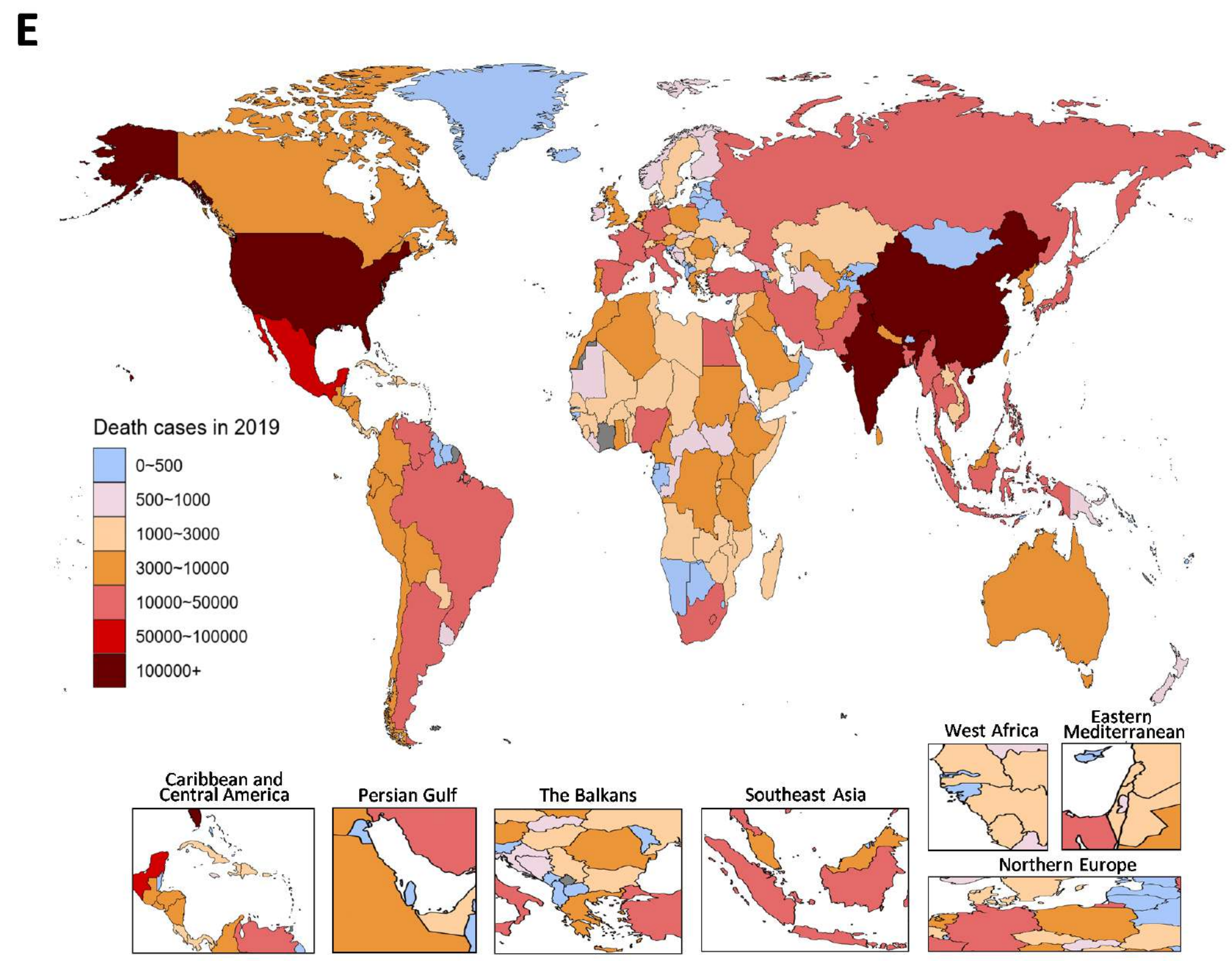
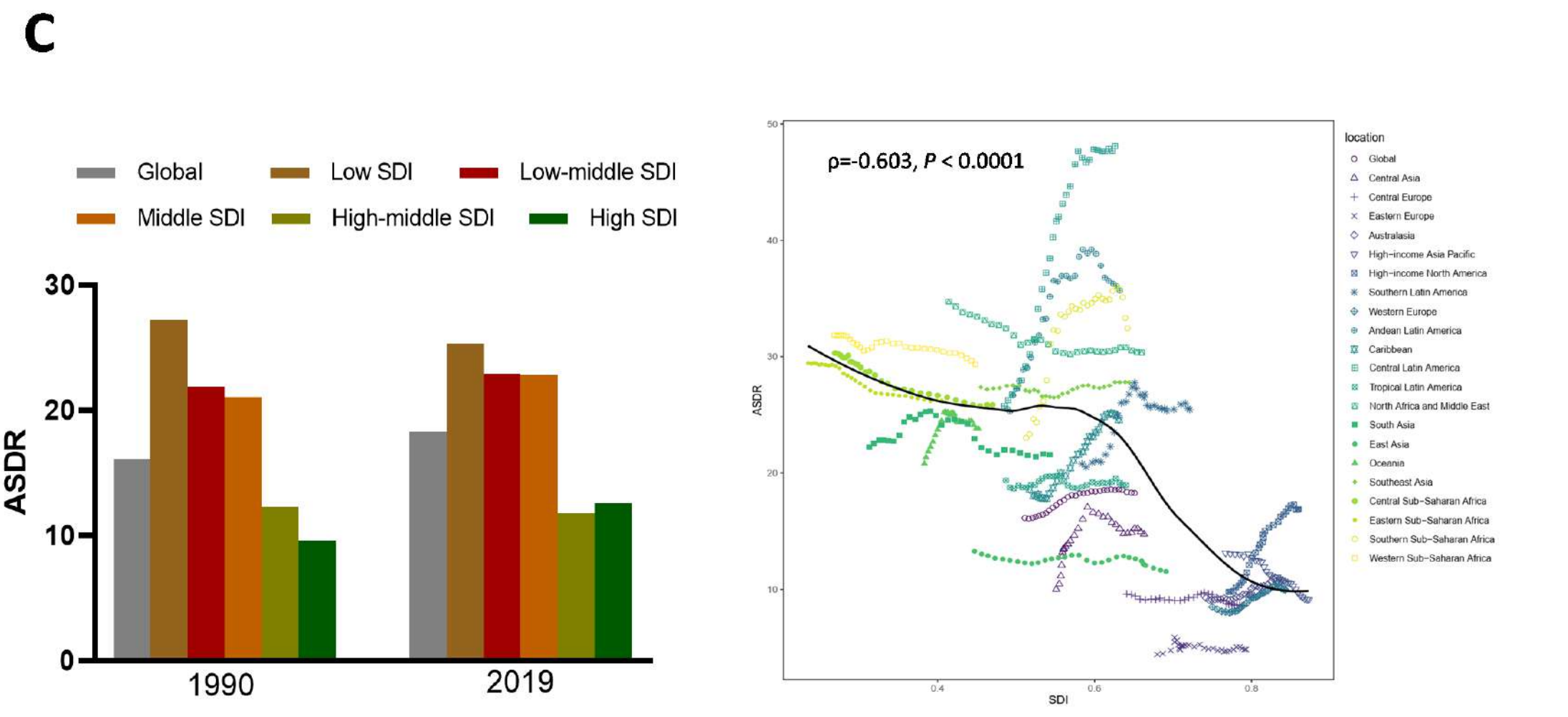
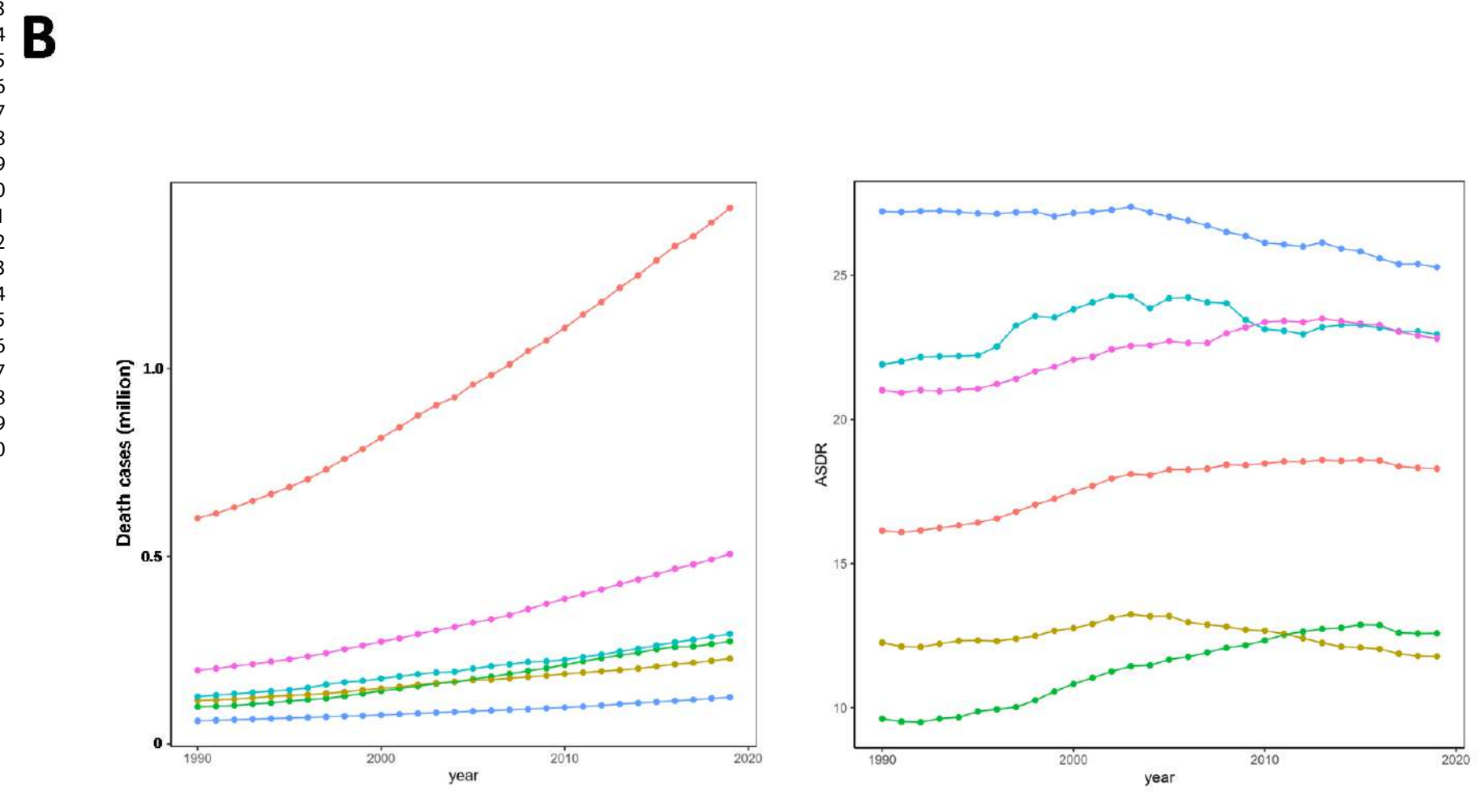
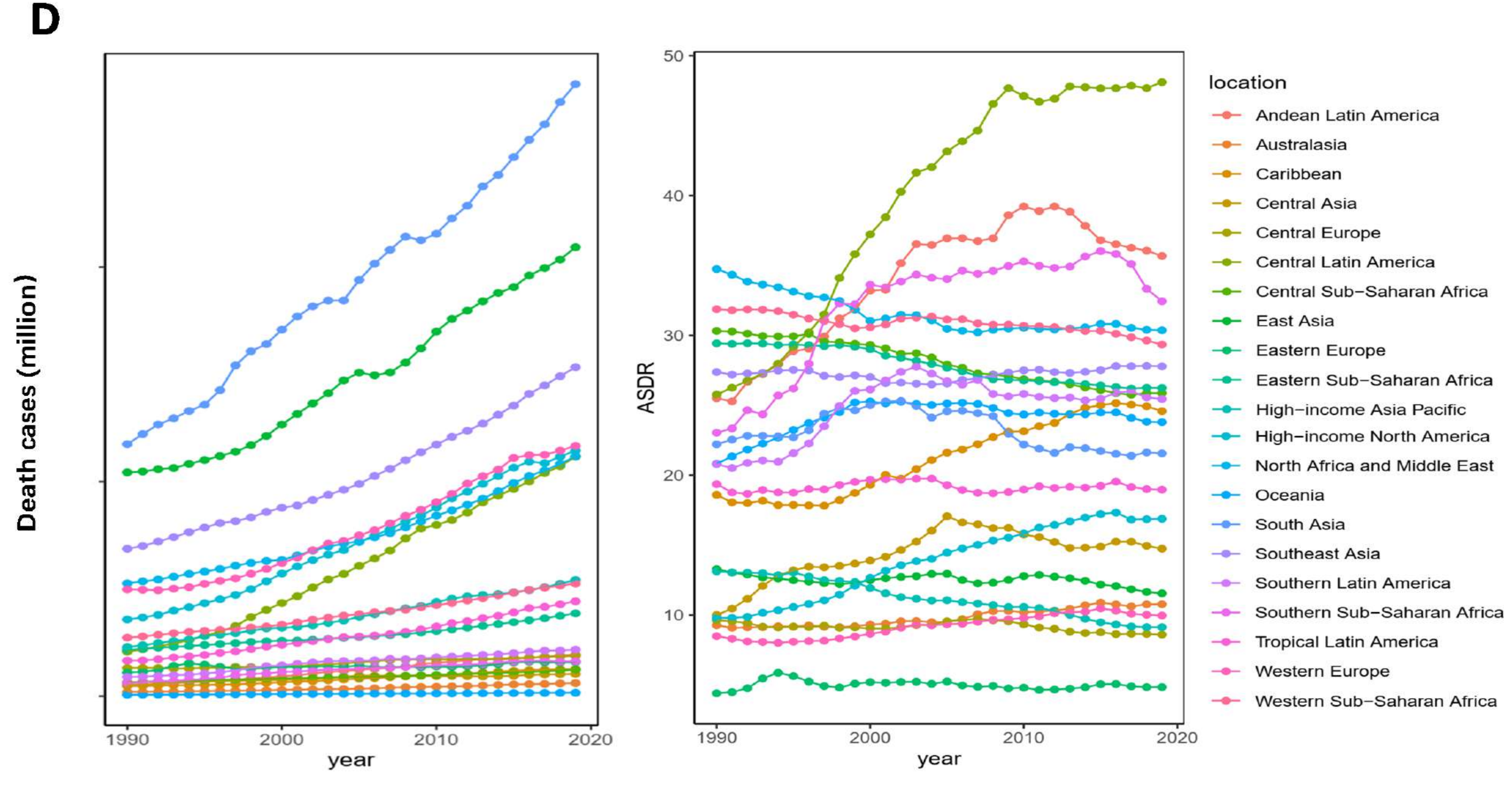
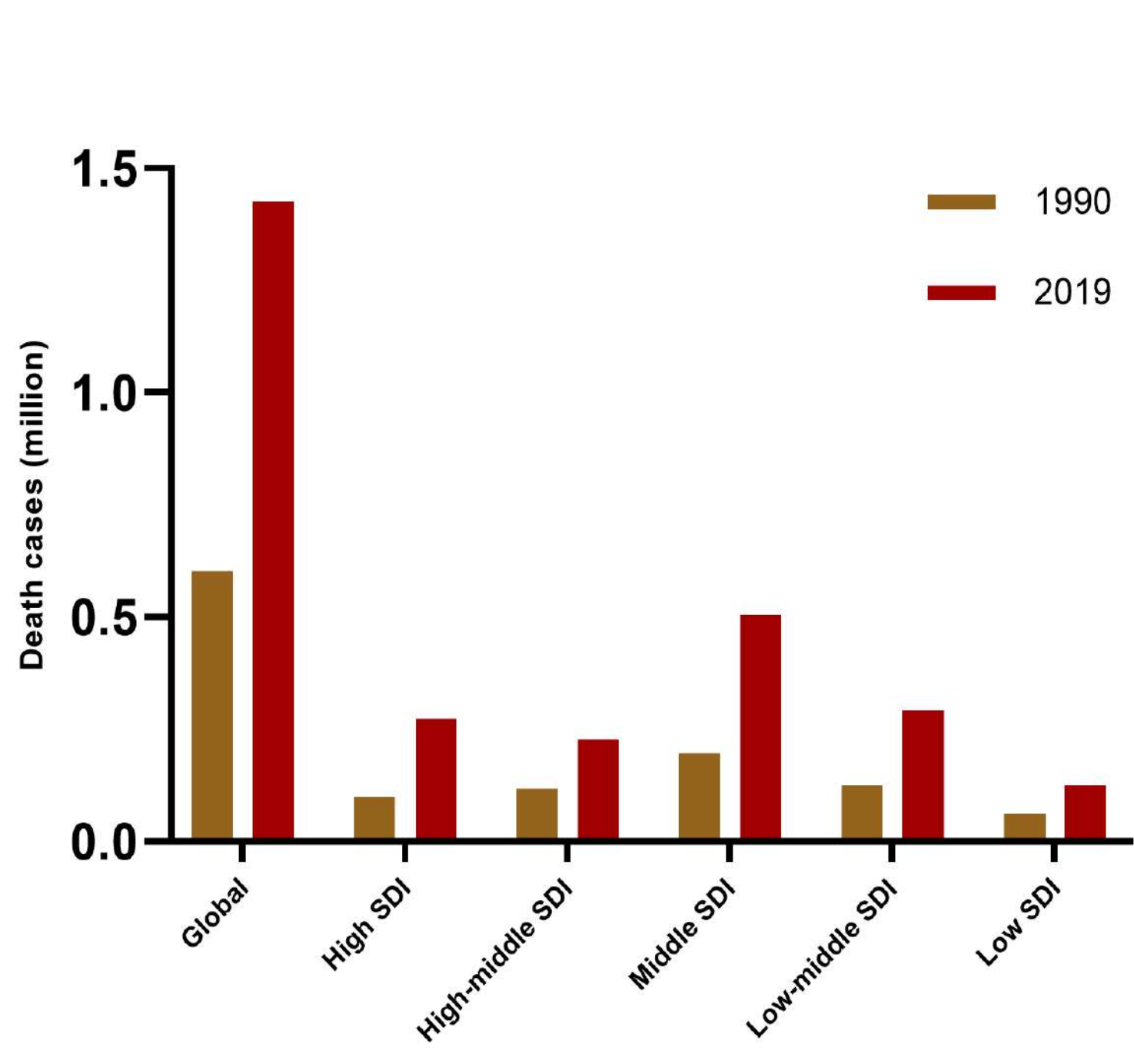
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29 571 **figure 3.** The distribution of CKD death cases and rates in age groups, SDI areas and  
30 572 21 geographic regions from 1990 to 2019. (A) Death cases in age groups in global and  
31 573 SDI areas from 1990 to 2019. (B) The change percentage of death cases (right) and  
32 574 rate (left) in age groups from 1990 to 2019. (C) Six age groups as percentages of total  
33 575 deaths in global, SDI areas and 21 geographic regions in 1990 and 2019. (D) Gender  
34 576 composition of death in global and SDI areas in 2019.

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38 577 **figure 4.** Predominant contribution of risk factors to CKD-related deaths in global and  
39 578 SDI areas. (A) Death cases and ASDRs attributed to main risk factors by SDI region  
40 579 from 1990 to 2019. (B) The ASDRs trends in SDI regions attributed to each main risk  
41 580 factor. (C) Proportions of deaths in global and SDI regions attributed to each risk  
42 581 factors in 2019. ASDR, age-standardized death rate (per 100,000 population).

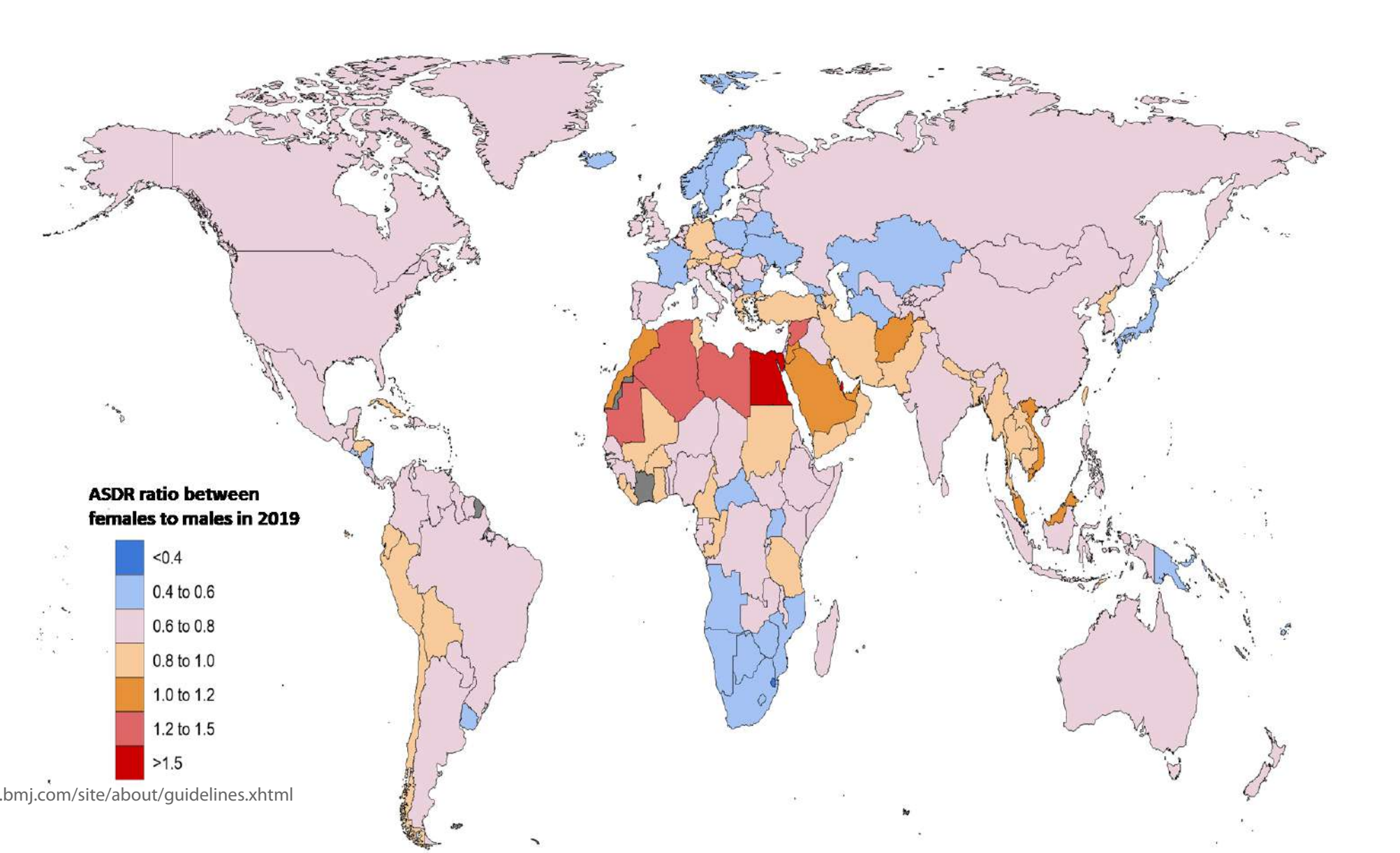
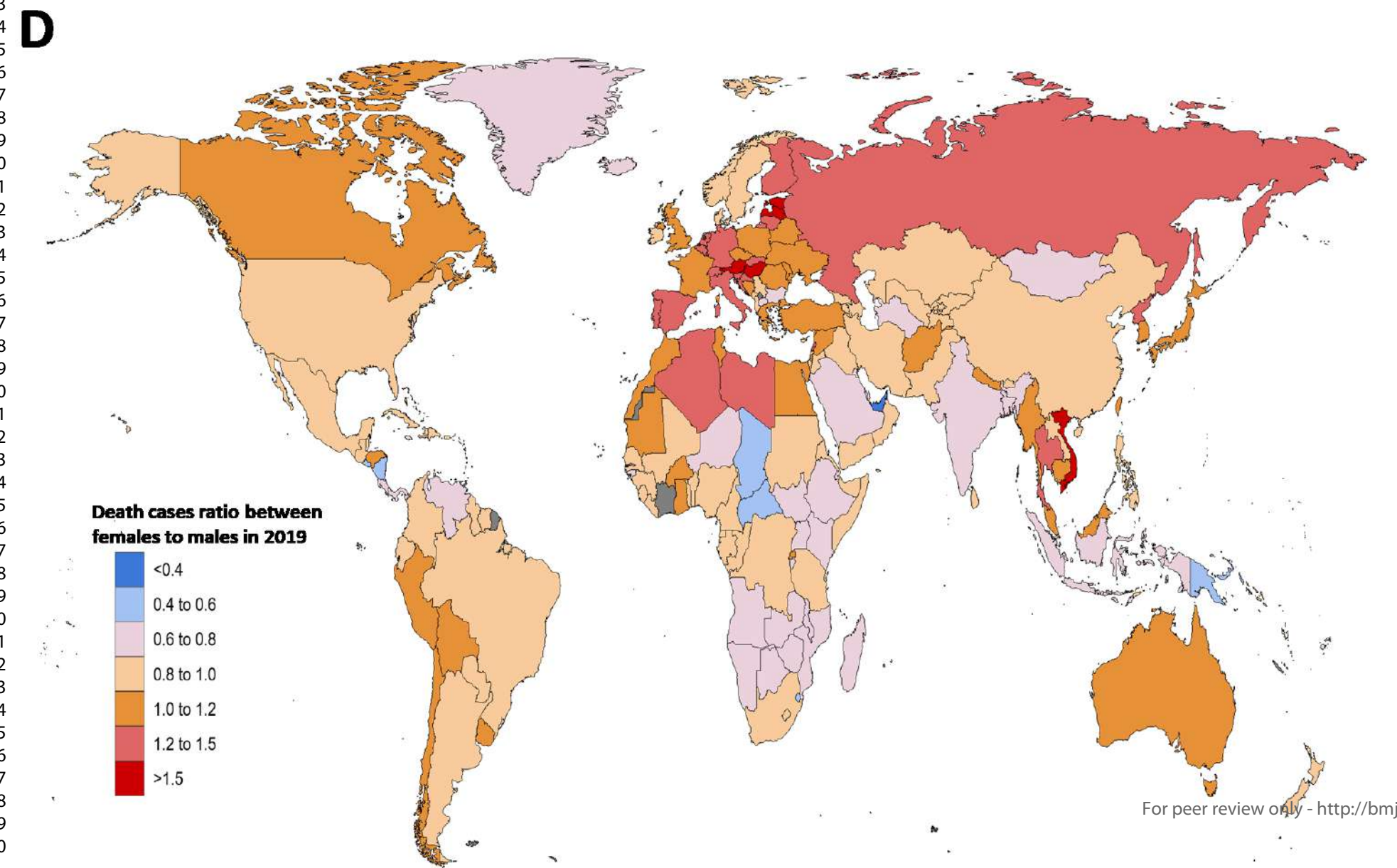
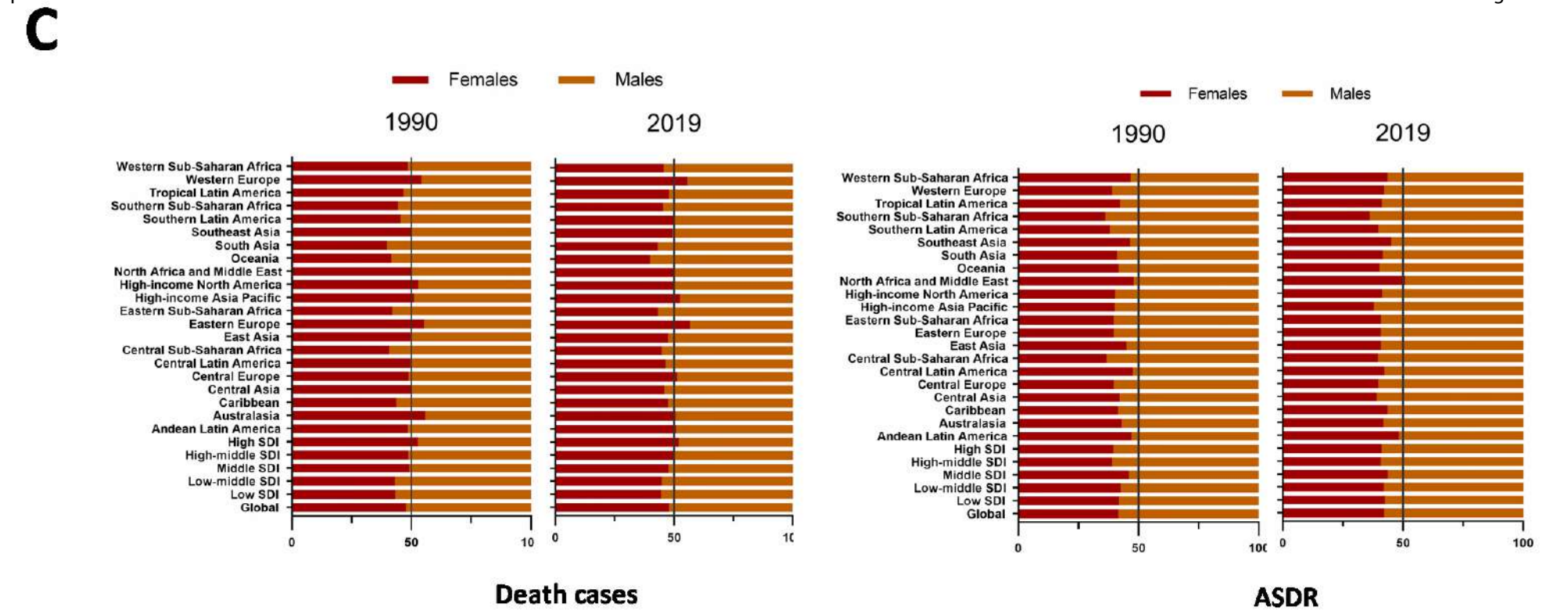
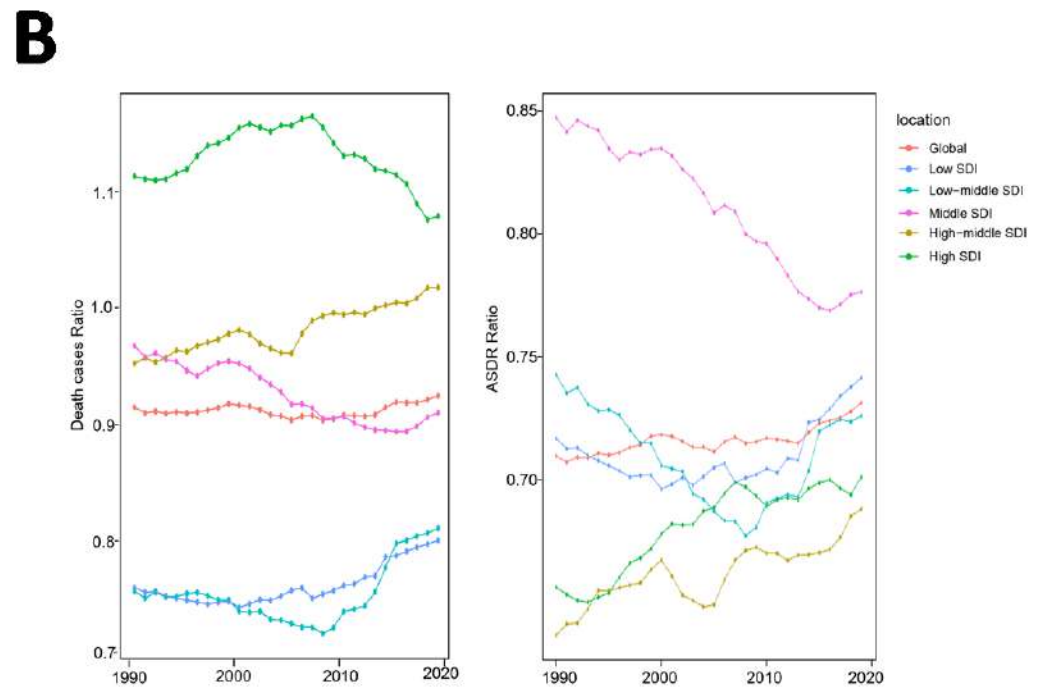
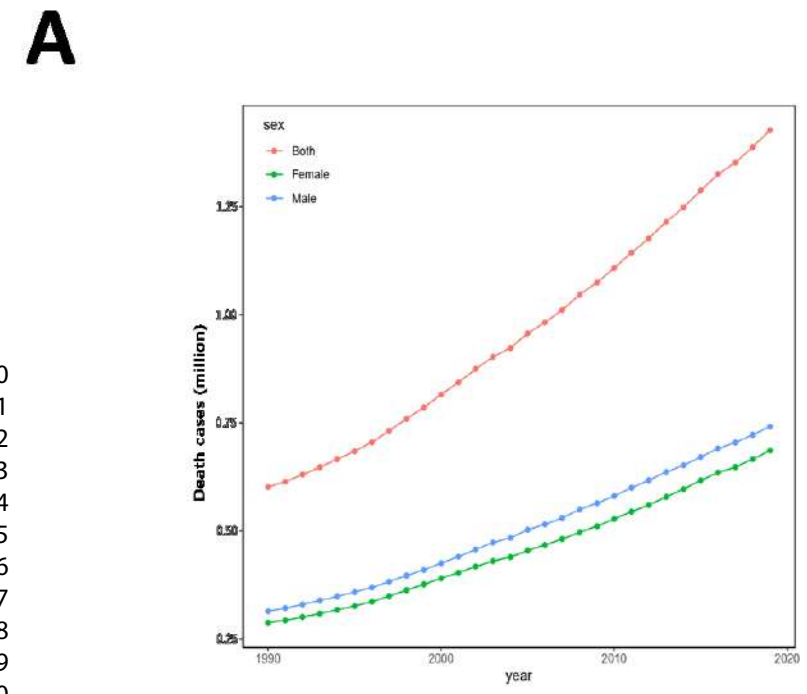
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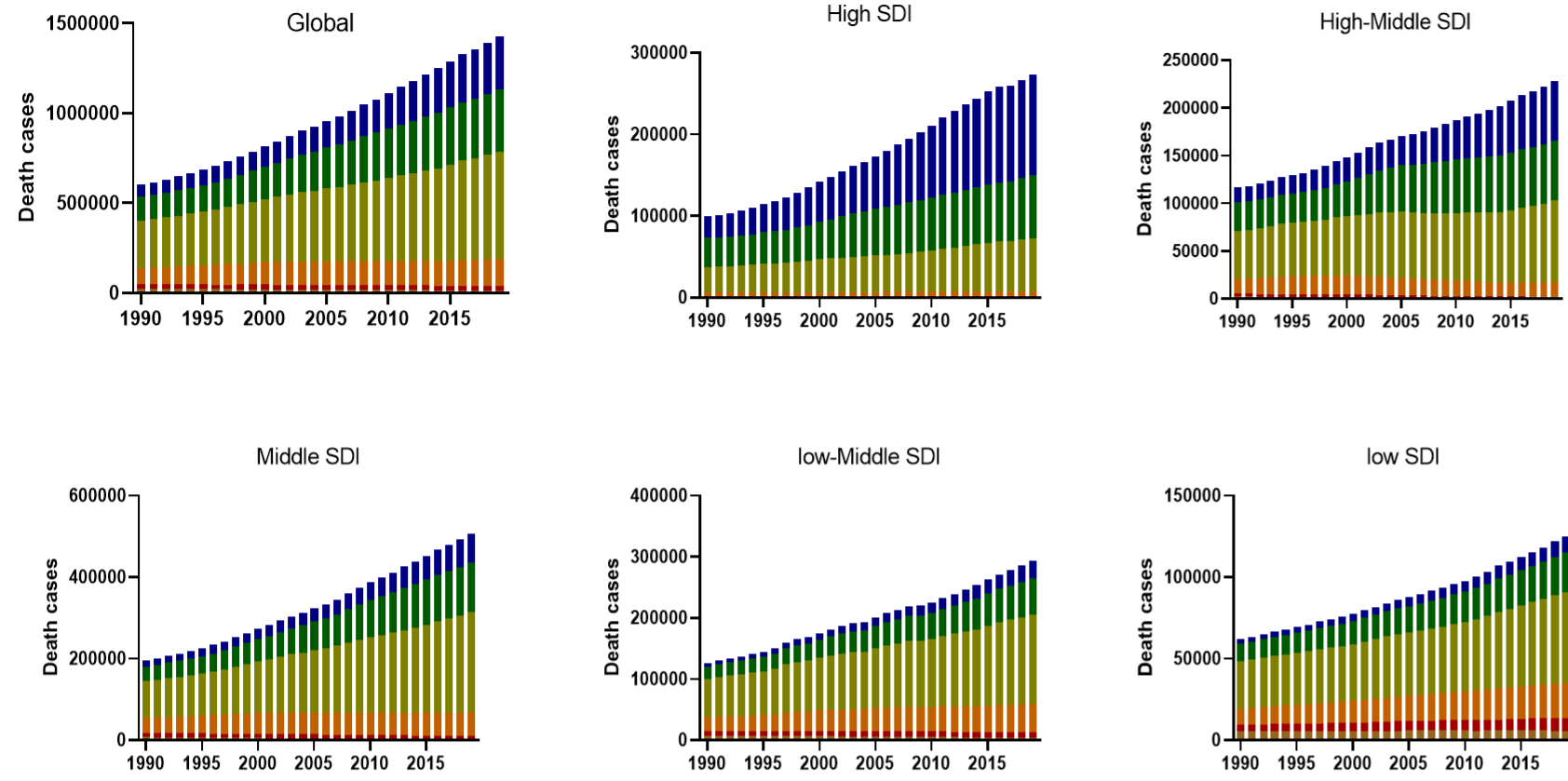




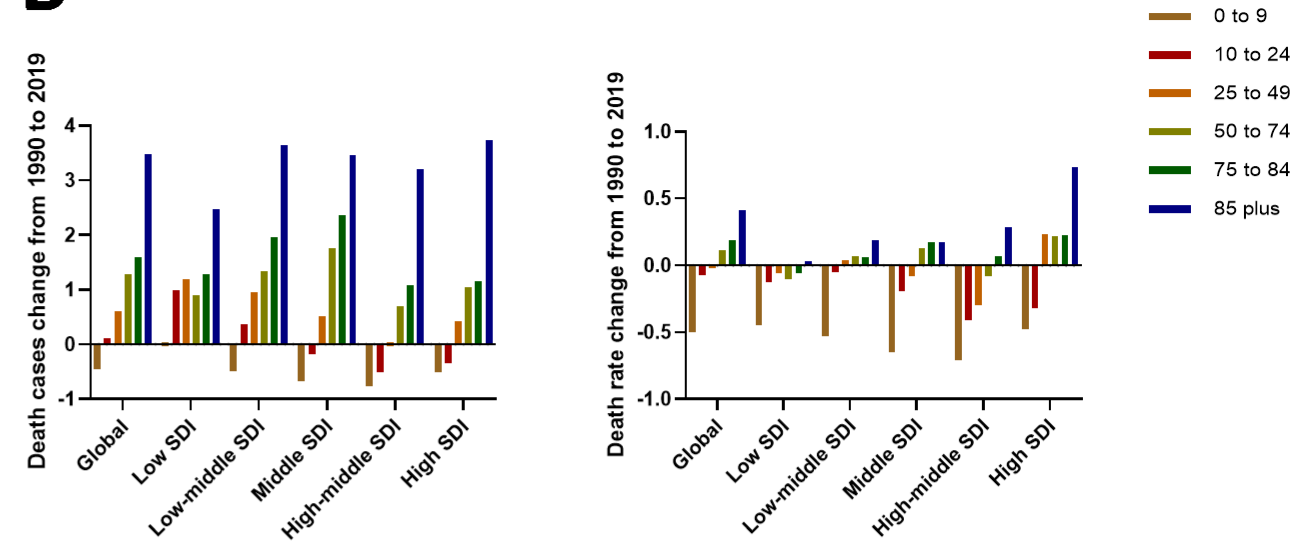




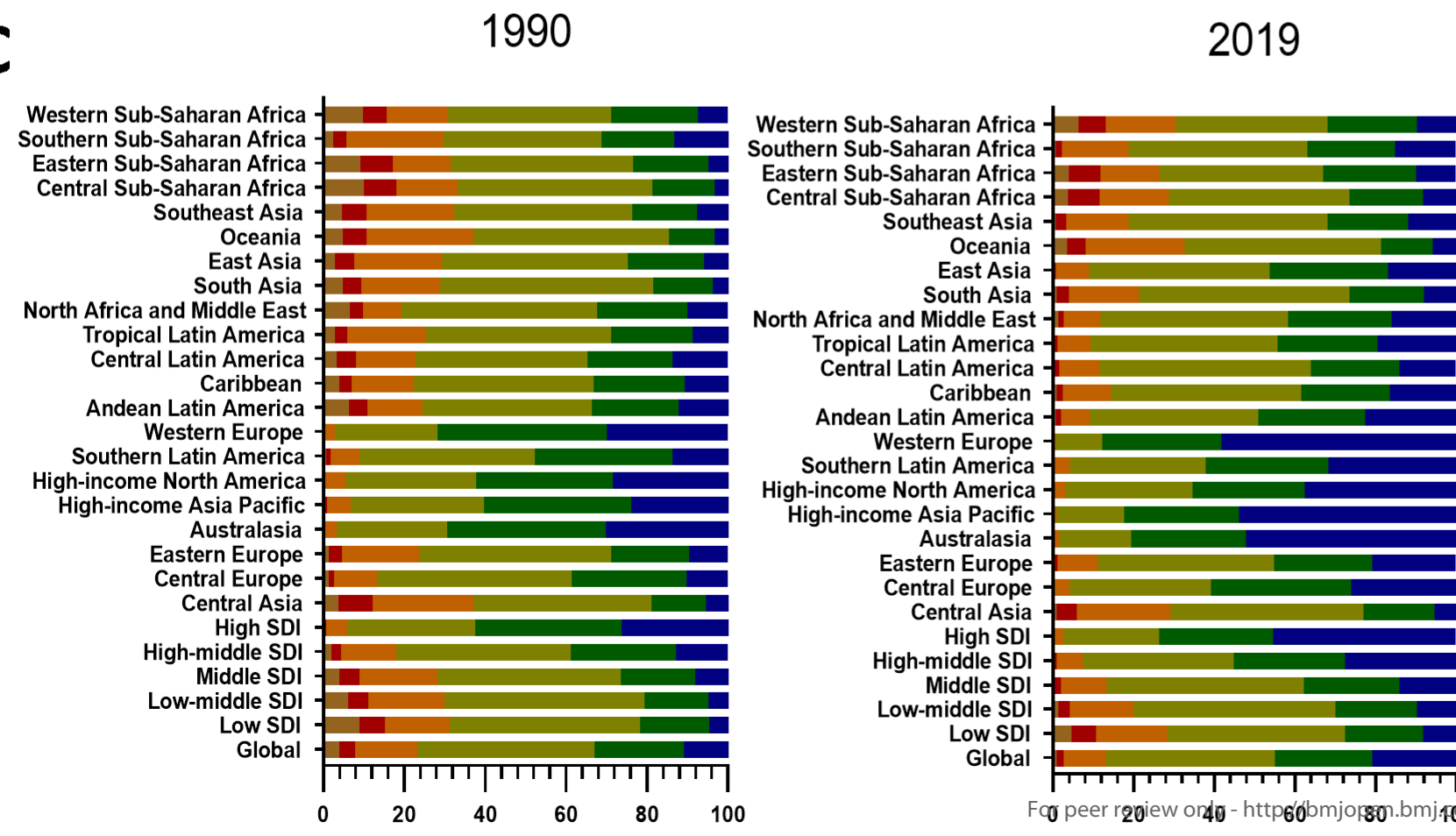
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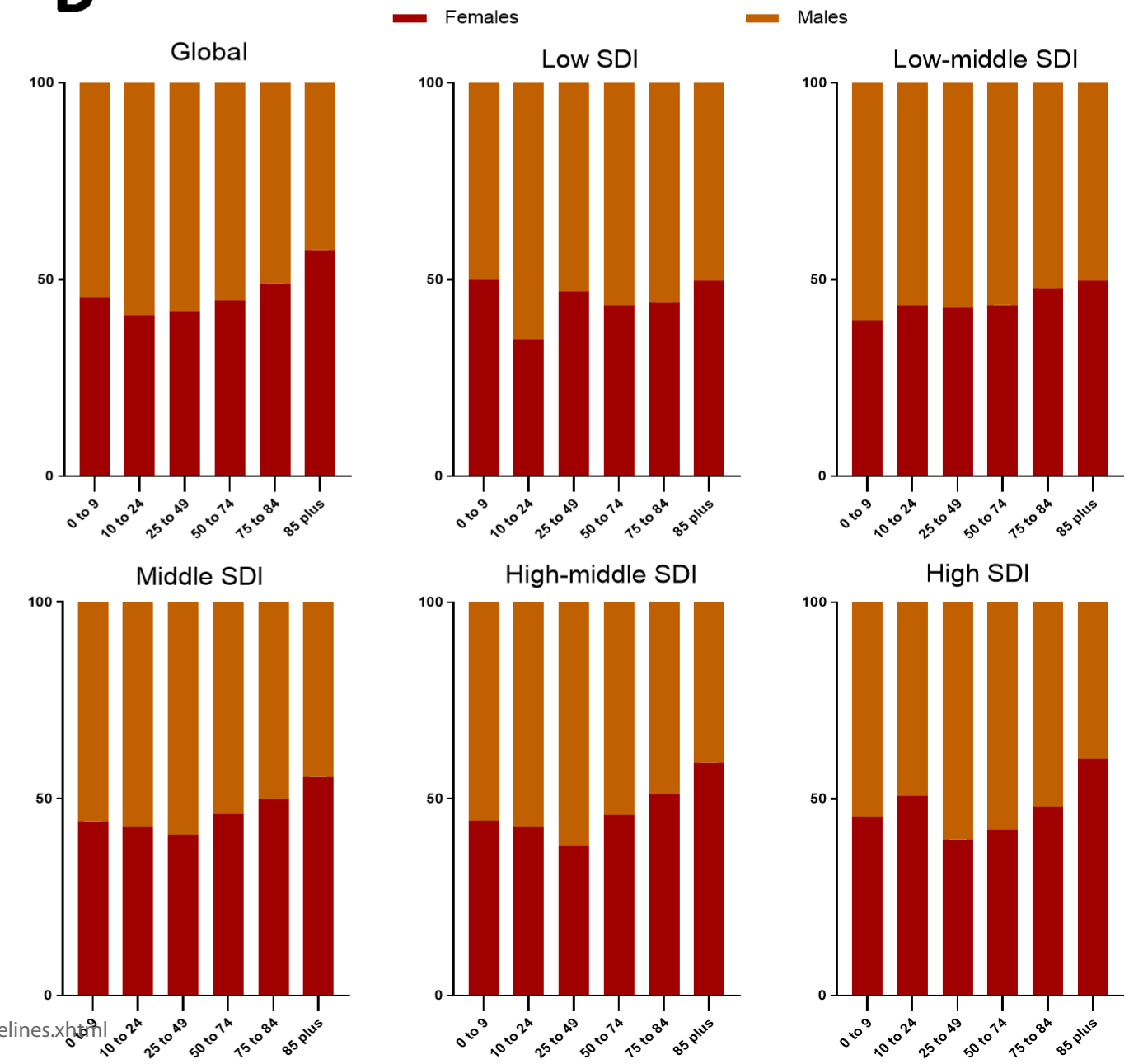
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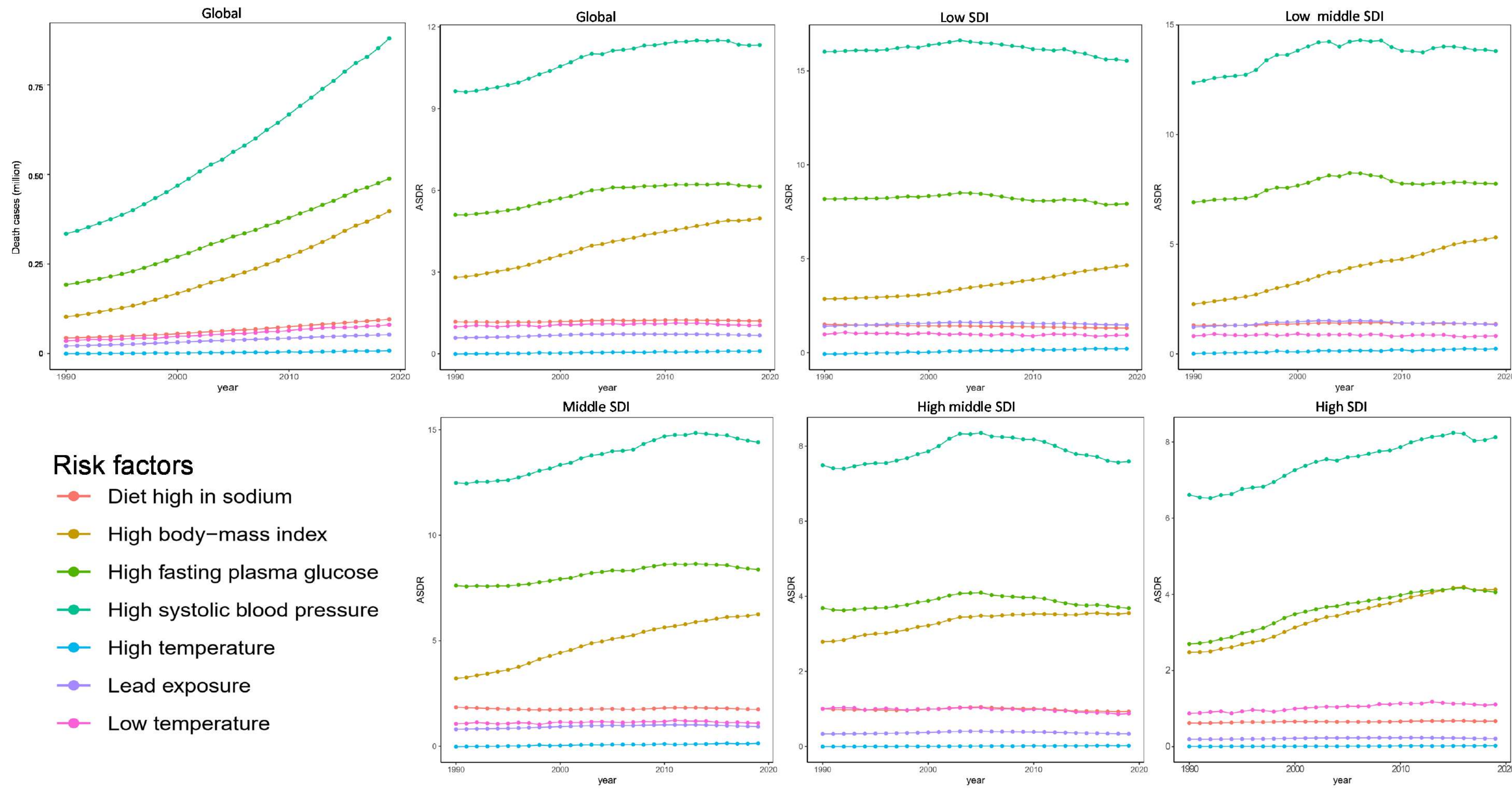


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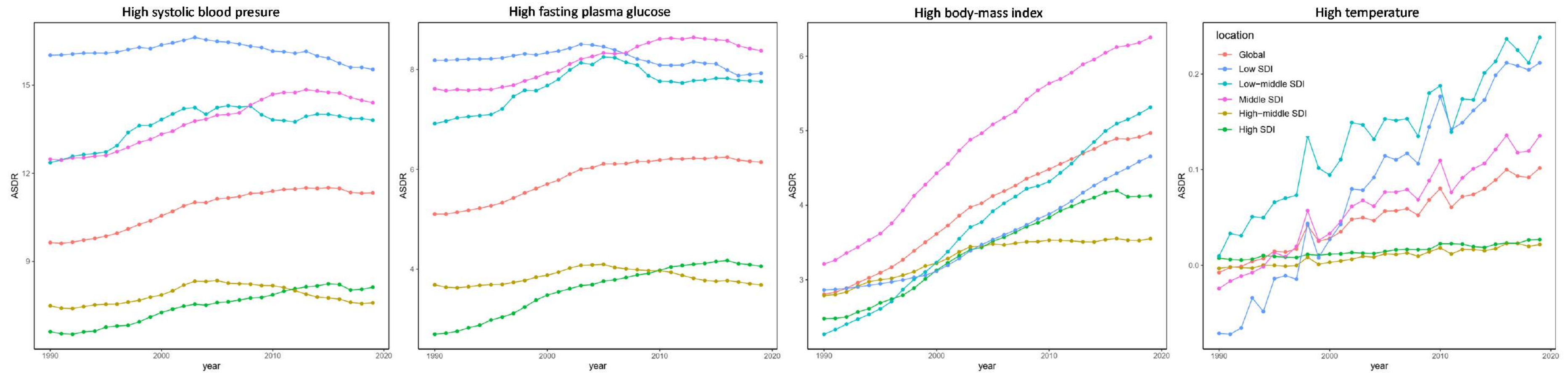




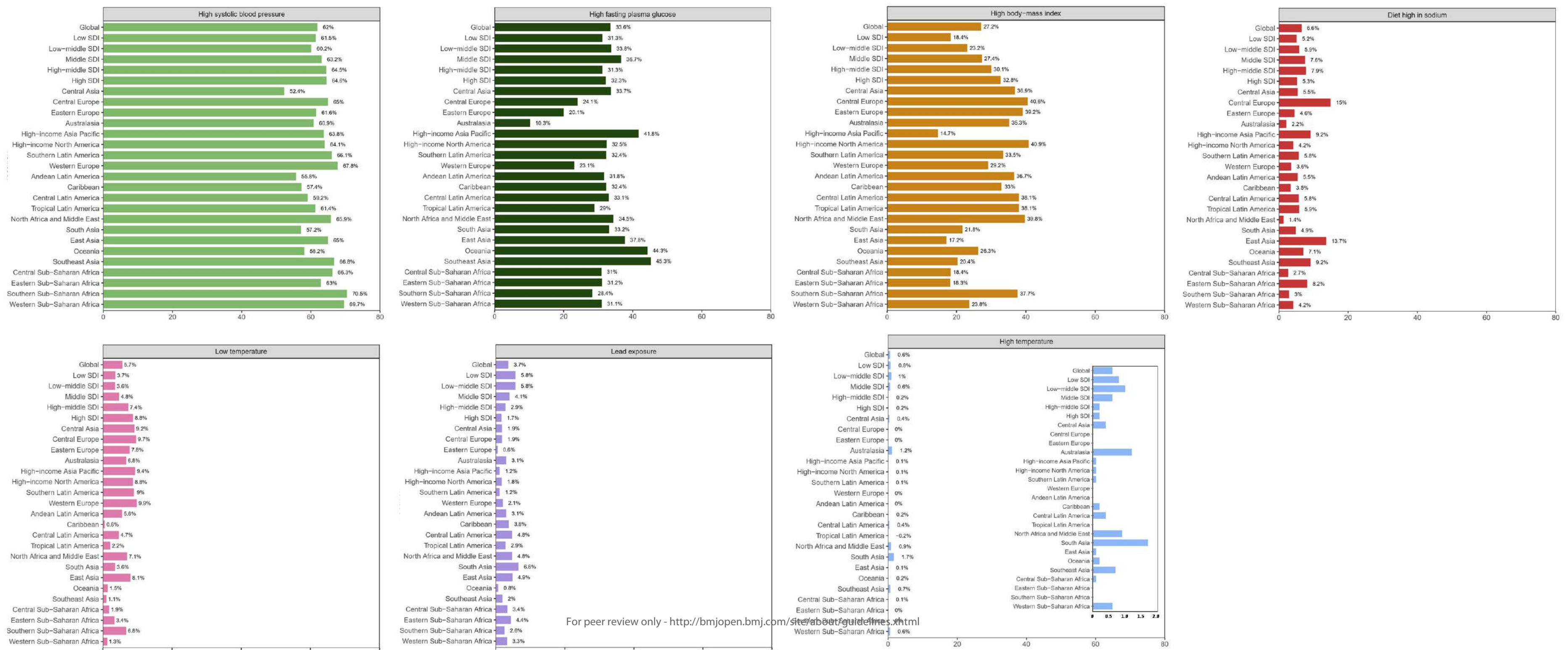
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# Global Death Burden of Chronic Kidney Disease from 1990 to 2019

**Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.**

**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.**

**Supplemental figure 5. The proportions of death numbers in India, China and America in global.**

**Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**

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5 **from 1990 to 2019 in global and regions.**  
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8 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
9 **1990 to 2019 in global and regions.**  
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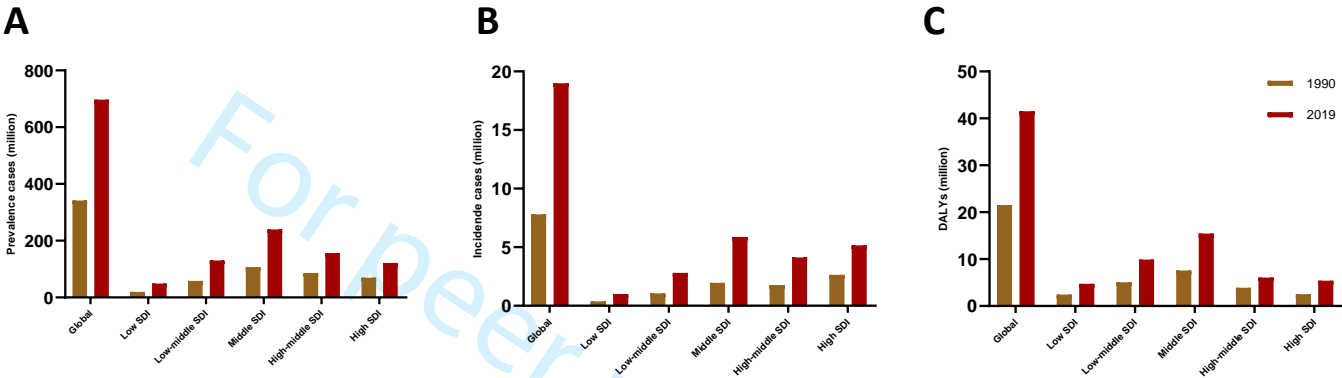
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12 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
13 **1990 to 2019 in global and regions.**  
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17 **Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019**  
18 **in 204 countries.**  
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21 **Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic**  
22 **regions from 1990 to 2019 in 21 regions.**  
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26 **Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries**  
27 **and territories from 1990 to 2019 in 204 countries.**  
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Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.



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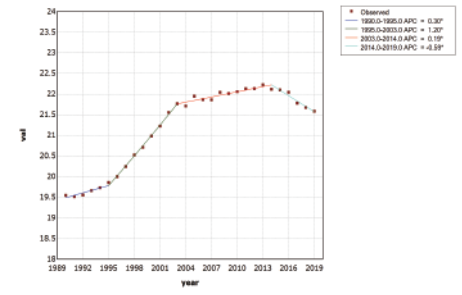
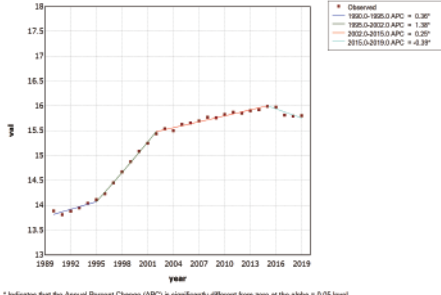
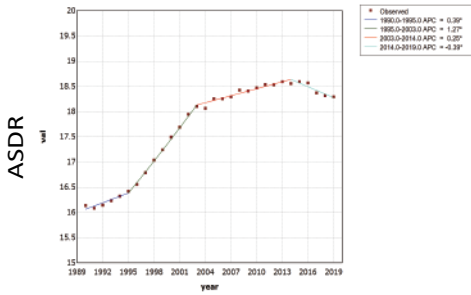
**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019.** DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).

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Both

Female

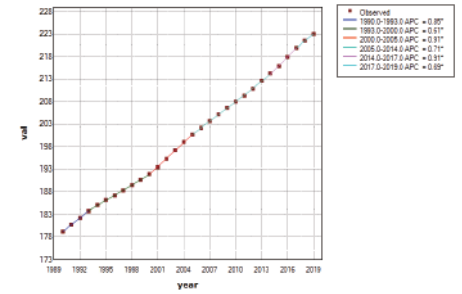
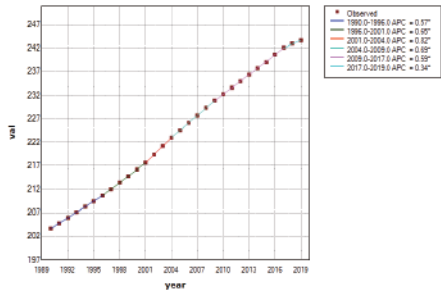
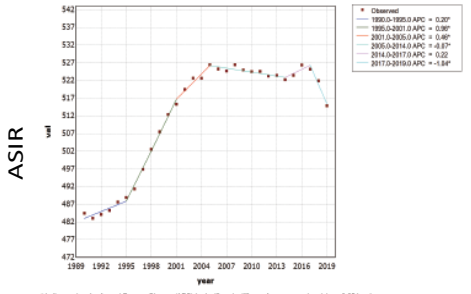
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

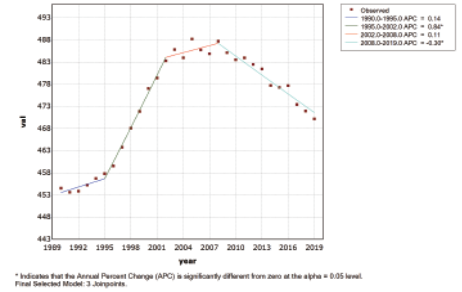
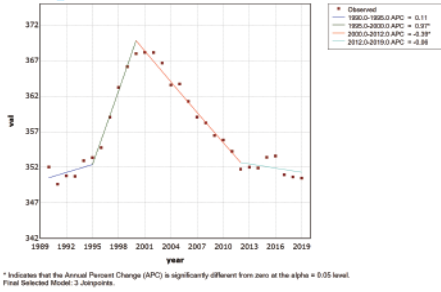
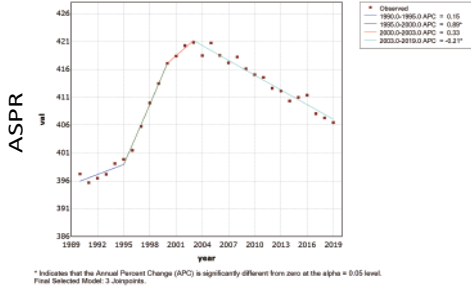
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.



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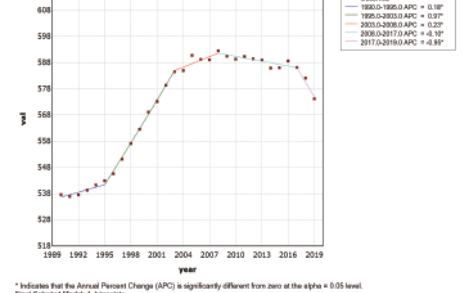
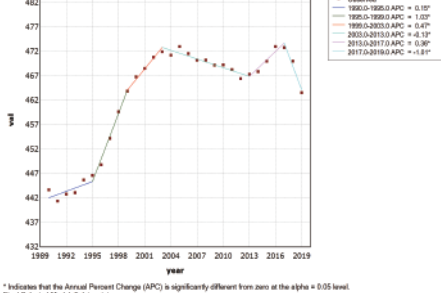
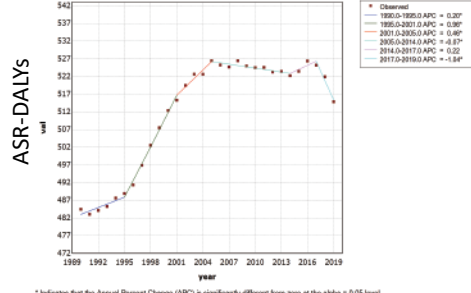
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

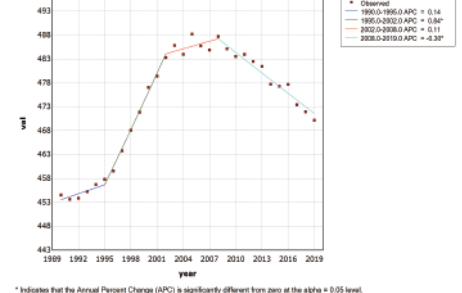
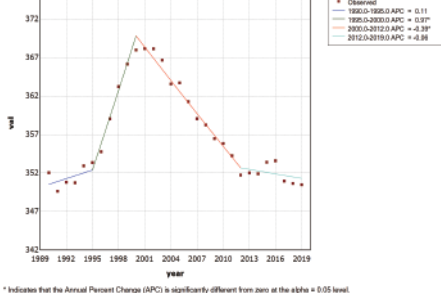
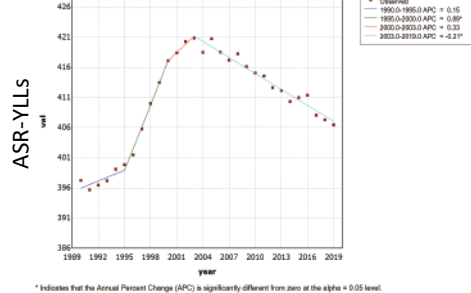
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
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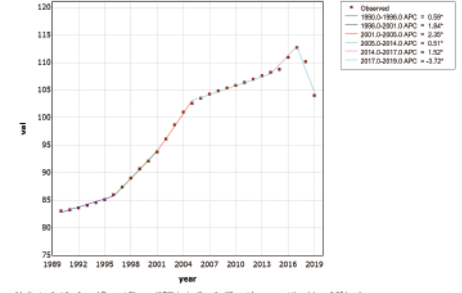
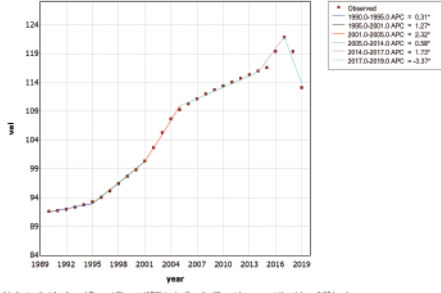
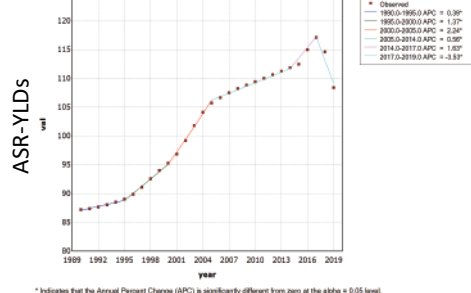
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.



\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
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Final Selected Model: 3 Joinkpoints.



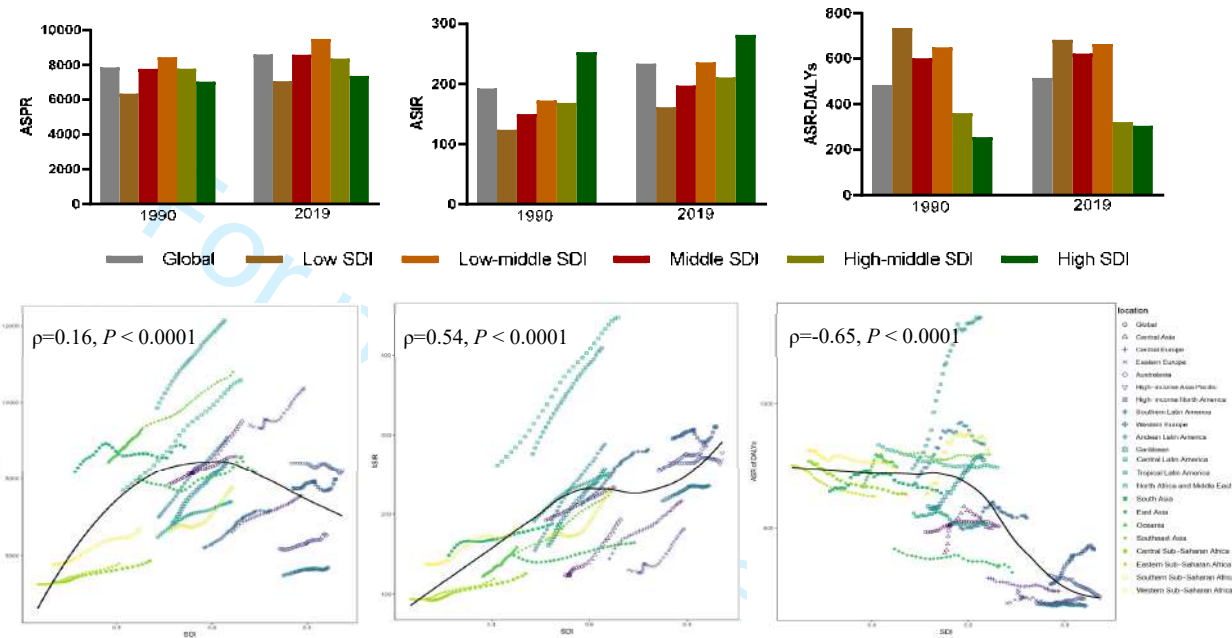
\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level.  
Final Selected Model: 3 Joinkpoints.

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5 **Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019.** DALYs,  
6 disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population).  
7 ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized  
8 DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000  
9 population).  
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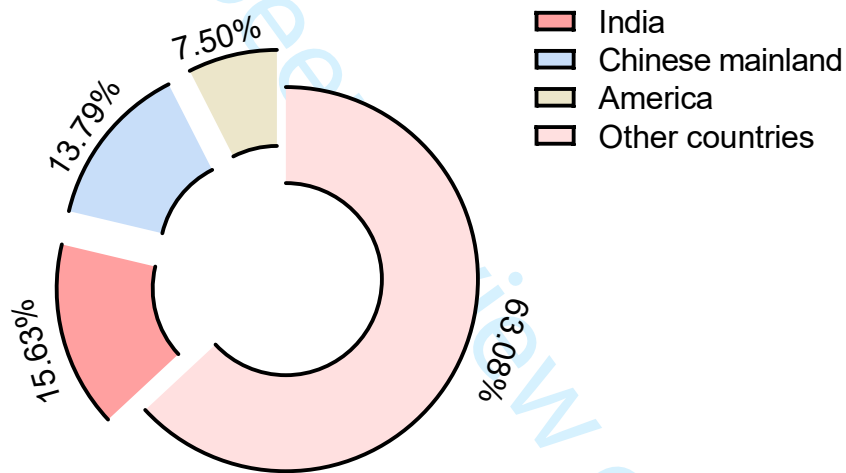
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Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.



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Supplemental figure 5. The proportions of death numbers in India, China and America in global.

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5 **Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**  
6 **from 1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	EAPC of ASPR (95% CI)
	(95% UI)	population (95% UI)	(95% UI)	population (95% UI)	
Global	341.67 (316.59-366.107.7)	7855.83 (7300.33-8372.66)	697.29 (650.05-741080.75)	8596.21 (8015.74-9125.28)	0.32 (0.32 to 0.33)
<b>Gender</b>					
Males	153.14 (141.72-164.63)	7349.01 (6823.3-7842.18)	314.32 (292.96-334.84)	8109.77 (7572.96-8608.03)	0.69 (0.68 to 0.7)
Females	188.52 (174.87-201.34)	8305.89 (7710.48-8854.59)	382.98 (356.75-406.65)	9049.82 (8425.02-9616.13)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	19.74 (18.26-21321.4)	6338.15 (5882.6-6789.29)	48.7 (45.05-52510.46)	7057.41 (6568.24-7529.2)	0.34 (0.32 to 0.36)
Low-middle	58.61 (54.03-63338.25)	7766.83 (7198.66-8314.67)	130.15 (120.81-139501.25)	8579.86 (7996.24-9142.82)	0.25 (0.21 to 0.29)
Middle	107.24 (98.79-115911.52)	8440.84 (7808.66-9019.18)	239.88 (222.64-256277.84)	9491.19 (8838.42-10086.19)	0.48 (0.45 to 0.5)
High-middle	86.19 (79.75-92396.6)	7781.68 (7221.18-8317.69)	156.23 (145.42-166645.78)	8350.95 (7763.91-8901.8)	0.32 (0.29 to 0.34)
High	69.73 (64.86-74222.57)	7026.65 (6533.72-7475.58)	121.95 (114.53-129214.01)	7364.77 (6889.24-7796.06)	0.12 (0.09 to 0.14)
<b>21 GBD regions</b>					
Central Asia	4.45 (4.11-4803.7)	8137.03 (7524.1-8741.66)	8.15 (7.51-8784.58)	9524.26 (8802.23-10175.81)	0.59 (0.53 to 0.65)

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6	Central Europe	9.15 (8.44-9807.35)	6605.48 (6109.43-7070.96)	13.57 (12.65-14461.73)	7564.59 (7024.38-8040.5)	0.42 (0.4 to 0.44)
7						
8	Eastern Europe	24.38 (22.55-26323.67)	9409.89 (8700.06-10160.11)	30.13 (27.96-32292.36)	10377.83 (9616.95-11142.47)	0.39 (0.34 to 0.44)
9						
10	Australasia	1.41 (1.33-1487.37)	6177.9 (5831.64-6510.55)	2.95 (2.77-3128.02)	6532.01 (6133.49-6925.11)	0.22 (0.2 to 0.23)
11						
12	High-income Asia Pacific	16.55 (15.42-17679.41)	8433.41 (7860.45-8971.08)	31 (29.12-32934.31)	8231.15 (7714.65-8729.32)	-0.1 (-0.12 to -0.08)
13						
14	High-income North America	26.23 (24.33-28067.57)	7750.33 (7175.26-8252.76)	43.98 (41.11-46803.08)	7982.58 (7433.75-8484.6)	0.03 (-0.02 to 0.08)
15						
16	Southern Latin America	2.85 (2.66-3038.14)	6199.61 (5786.14-6591)	5.72 (5.38-6077.58)	7174.32 (6750.95-7629.01)	0.54 (0.49 to 0.59)
17						
18	Western Europe	29.05 (27.04-30993.2)	5488.94 (5116.7-5832.82)	45.44 (42.65-48233.7)	5690.53 (5326.14-6020.93)	0.08 (0.06 to 0.1)
19						
20	Andean Latin America	1.76 (1.52-2061.21)	7004.76 (6076.38-8070.59)	5.32 (4.71-6069.48)	9101.2 (8067.32-10290.91)	0.93 (0.91 to 0.94)
21						
22	Caribbean	1.97 (1.84-2108.93)	6840.61 (6371.07-7299.12)	4.29 (4.03-4568.68)	8457.06 (7927.23-8994.33)	0.74 (0.7 to 0.78)
23						
24	Central Latin America	10.31 (9.55-11027.08)	9865 (9168.77-10521.68)	29.53 (27.68-31265.59)	12139.27 (11377.05-12843.88)	0.68 (0.64 to 0.71)
25						
26	Tropical Latin America	7.08 (6.58-7550.26)	6482.97 (6054.23-6886)	17.9 (16.76-18992.36)	7399.15 (6923.65-7835.63)	0.42 (0.39 to 0.45)
27						
28	North Africa and Middle East	15.77 (14.73-16764.82)	7697.07 (7182.72-8168.78)	49.8 (46.52-52818.54)	10589.67 (9930.4-11229.54)	1.17 (1.13 to 1.22)
29						
30	South Asia	60.22 (55.46-65289.02)	8186.89 (7582.95-8782.32)	139.51 (128.99-150327.5)	8847.66 (8206.45-9453.58)	0.11 (0.03 to 0.18)
31						
32	East Asia	82.94 (76.25-90185.75)	7989.69 (7377.2-8599.68)	156.84 (144.51-169062.38)	8180.65 (7568.21-8798.3)	0.29 (0.2 to 0.37)
33						
34	Oceania	0.36 (0.33-391.33)	8440.17 (7784.51-9111.81)	0.9 (0.82-974.96)	9296.4 (8596.13-9971.06)	0.3 (0.29 to 0.31)
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Southeast Asia	31.01 (28.51-33656.96)	9351.48 (8661.82-10057.66)	71.14 (65.94-76348.22)	10803.4 (10057.32-11534.34)	0.5 (0.49 to 0.52)
Central Sub-Saharan Africa	1.69 (1.55-1841.1)	5306.9 (4899.19-5732.96)	4.52 (4.16-4907.57)	5867.73 (5434.29-6284.81)	0.36 (0.32 to 0.39)
Eastern Sub-Saharan Africa	5.54 (5.12-5997.22)	5254.32 (4862.09-5638.51)	13.92 (12.84-15065.98)	5800.09 (5395.2-6210.24)	0.36 (0.33 to 0.38)
Southern Sub-Saharan Africa	2.3 (2.13-2464.83)	6633.49 (6172.65-7075.02)	5.02 (4.66-5366.22)	7769.91 (7260.61-8261.86)	0.53 (0.45 to 0.61)
Western Sub-Saharan Africa	6.64 (6.16-7139.44)	5768.63 (5363.39-6151.96)	17.67 (16.4-18953.01)	6678.91 (6225.96-7102.83)	0.56 (0.52 to 0.59)

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5 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	Incidence cases (*10 <sup>6</sup> )	ASIR per 100,000	Incidence cases (*10 <sup>6</sup> )	ASIR per 100,000	EAPC of ASIR (95% CI)
	(95% UI)	population (95% UI)	(95% UI)	population (95% UI)	
Global	7.8 (7.17-8485.39)	192.45 (177.31-209.05)	18.99 (17.56-20518.16)	233.65 (216.56-252.31)	0.69 (0.68 to 0.7)
<b>Gender</b>					
Males	3.36 (3.09-3.65)	179.21 (164.8-194.74)	8.51 (7.84-9.23)	223.02 (206.07-241.18)	0.69 (0.68 to 0.7)
Females	4.44 (4.08-4.84)	203.64 (187.5-221.38)	10.47 (9.7-11.32)	243.63 (225.94-262.66)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	0.37 (0.34-398.17)	123.72 (114.25-133.97)	1.01 (0.93-1085.2)	161.24 (148.07-175.64)	0.95 (0.92 to 0.99)
Low-middle	1.05 (0.97-1139.39)	149.68 (137.38-162.87)	2.81 (2.58-3056.52)	197.07 (181.51-214.36)	0.91 (0.87 to 0.95)
Middle	1.95 (1.79-2127.2)	172.4 (157.74-188.79)	5.87 (5.4-6373.37)	235.71 (218.23-254.87)	1.17 (1.14 to 1.2)
High-middle	1.78 (1.63-1952.09)	168.37 (154.83-183.45)	4.13 (3.8-4493.35)	210.65 (194.34-228.37)	0.89 (0.86 to 0.92)
High	2.64 (2.41-2883.51)	252.66 (232.46-274.36)	5.15 (4.75-5569.87)	281.67 (260.21-303.81)	0.28 (0.24 to 0.32)
<b>21 GBD regions</b>					
Central Asia	0.07 (0.06-75.25)	123.99 (113.45-135.88)	0.16 (0.15-178.53)	193.3 (176.73-211.27)	1.69 (1.52 to 1.87)

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6	Central Europe	0.21 (0.19-229.95)	144.36 (131.43-158.87)	0.44 (0.4-481.17)	216.5 (197.99-236.75)	1.21 (1.12 to 1.3)
7						
8	Eastern Europe	0.34 (0.3-370.22)	130.48 (119.44-142.71)	0.54 (0.49-599.18)	181.85 (166.07-199.03)	1.32 (1.15 to 1.49)
9						
10	Australasia	0.06 (0.06-65.23)	254.5 (240.37-269.78)	0.14 (0.13-153.73)	286.14 (264.78-308.93)	0.37 (0.33 to 0.41)
11						
12	High-income Asia Pacific	0.53 (0.49-577.29)	265.13 (244.47-287.79)	1.21 (1.11-1315.46)	277.51 (255.67-300.82)	0.08 (0.04 to 0.13)
13						
14	High-income North America	1.04 (0.94-1140.52)	295.47 (270.34-323.33)	1.89 (1.73-2062.59)	310.44 (284.74-336.3)	0.03 (-0.05 to 0.12)
15						
16	Southern Latin America	0.1 (0.09-106.64)	211.66 (193.13-230.93)	0.23 (0.22-253.7)	282.02 (260.12-304.6)	1.02 (0.93 to 1.1)
17						
18	Western Europe	1.28 (1.16-1410.45)	216.75 (198.62-236.36)	2.16 (1.99-2344.51)	235.6 (216.93-254.91)	0.25 (0.2 to 0.3)
19						
20	Andean Latin America	0.04 (0.03-38.3)	154.8 (142.57-167.62)	0.16 (0.15-175.89)	288.34 (264.91-311.21)	2.2 (2.09 to 2.3)
21						
22	Caribbean	0.04 (0.04-48.74)	161.46 (148.31-176.22)	0.13 (0.12-141.71)	256.39 (237.73-277)	1.58 (1.48 to 1.68)
23						
24	Central Latin America	0.27 (0.25-292.01)	276.65 (252.64-304.54)	0.99 (0.93-1060.8)	409.61 (383.06-437.91)	1.29 (1.21 to 1.36)
25						
26	Tropical Latin America	0.19 (0.18-210.14)	191.28 (176.52-209.33)	0.6 (0.56-655.92)	250.85 (233.24-272.18)	0.89 (0.82 to 0.96)
27						
28	North Africa and Middle East	0.51 (0.47-550.25)	261.9 (240.97-285.91)	2.03 (1.88-2202.72)	447.48 (415.13-482.83)	1.97 (1.87 to 2.08)
29						
30	South Asia	1.01 (0.93-1104.53)	148.9 (136.4-162.57)	2.67 (2.43-2918.85)	181.87 (165.91-198.75)	0.61 (0.54 to 0.68)
31						
32	East Asia	1.33 (1.21-1465.64)	148.49 (135.05-163.27)	3.27 (2.98-3599.05)	164.52 (150.62-179.18)	0.61 (0.51 to 0.7)
33						
34	Oceania	0 (0-5.25)	122.53 (112.38-133.56)	0.01 (0.01-14.89)	158.68 (145.3-172.89)	0.79 (0.74 to 0.84)
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Southeast Asia	0.45 (0.42-491.19)	152.65 (140.55-165.93)	1.43 (1.31-1547.89)	227.98 (210.24-246.38)	1.4 (1.37 to 1.44)
Central Sub-Saharan Africa	0.03 (0.03-30.16)	93.07 (86.17-100.24)	0.08 (0.08-89.02)	125.99 (115.7-136.67)	1.11 (1.01 to 1.2)
Eastern Sub-Saharan Africa	0.09 (0.09-99.99)	94.39 (87.18-102.21)	0.24 (0.22-258.06)	119.54 (109.76-130.11)	0.86 (0.78 to 0.93)
Southern Sub-Saharan Africa	0.05 (0.05-57.56)	168.63 (154.1-184.7)	0.14 (0.13-149.6)	231.14 (212.43-251.73)	1.04 (0.85 to 1.23)
Western Sub-Saharan Africa	0.16 (0.15-168.99)	137.2 (126.96-148.29)	0.44 (0.41-470.76)	181.8 (167.29-197.54)	1.13 (1.01 to 1.24)

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5 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
6 **1990 to 2019 in global and regions.**  
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Characteristics	1990		2019		1990-2019
	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	EAPC of ASR-DALYs (95% CI)
Global	21.5 (20.04-23065.78)	484.46 (452.28-518.67)	41.54 (38.29-45037.86)	514.86 (474.91-558.86)	0.31 (0.23 to 0.38)
<b>Gender</b>					
Males	11.2 (10.4-12.15)	537.61 (499.52-580.01)	21.98 (20.14-23.97)	574.23 (527.52-625.27)	0.35 (0.27 to 0.43)
Females	10.3 (9.46-11.22)	443.69 (409.36-481.56)	19.56 (17.7-21.47)	463.61 (419.34-509.95)	0.21 (0.15 to 0.28)
<b>Sociodemographic index</b>					
Low	2.45 (2.18-2728.52)	734.23 (667.32-804.58)	4.73 (4.21-5276.93)	682.18 (615.56-752.04)	-0.24 (-0.28 to -0.21)
Low-middle	5.05 (4.56-5598.22)	649.9 (591.82-714.59)	9.91 (8.98-10820.22)	664.18 (603.21-723.92)	0.1 (0 to 0.21)
Middle	7.55 (7.02-8112.98)	601.87 (560.14-645.51)	15.44 (14.17-16837.37)	621.93 (570.74-676.64)	0.27 (0.21 to 0.33)
High-middle	3.89 (3.6-4213.22)	360.16 (332.75-390.43)	6.05 (5.49-6665.14)	320.68 (290.18-353.73)	-0.36 (-0.46 to -0.27)
High	2.54 (2.33-2787.23)	254.32 (232.26-279.43)	5.38 (4.87-5884.31)	304.13 (274.09-335.44)	0.8 (0.72 to 0.89)
<b>21 GBD regions</b>					
Central Asia	0.23 (0.22-256.33)	397.89 (367.64-442.65)	0.43 (0.39-481.73)	506.72 (456.51-562.2)	0.48 (0.16 to 0.79)

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6	Central Europe	0.41 (0.38-437.53)	297.3 (278.39-317.88)	0.46 (0.4-523.54)	243.84 (212.01-278.04)	-0.62 (-0.69 to -0.55)
7						
8	Eastern Europe	0.49 (0.45-547.25)	197 (177.48-218.85)	0.56 (0.49-638.34)	196.77 (170.51-224.02)	-0.51 (-0.73 to -0.28)
9						
10	Australasia	0.04 (0.04-48.98)	196.75 (180.03-215.38)	0.1 (0.09-115.71)	214.3 (191.2-238.39)	0.45 (0.4 to 0.5)
11						
12	High-income Asia Pacific	0.59 (0.55-642.57)	310.61 (285.7-334.9)	0.96 (0.84-1067.61)	218.58 (192.71-243.9)	-1.16 (-1.21 to -1.1)
13						
14	High-income North America	0.93 (0.85-1032.34)	273.54 (247.51-303.34)	2.42 (2.22-2641.09)	413.63 (379.73-450.68)	1.69 (1.51 to 1.88)
15						
16	Southern Latin America	0.23 (0.22-245.13)	501.82 (472.93-530.86)	0.44 (0.41-472.11)	540.08 (500.88-579.63)	0.25 (0.02 to 0.48)
17						
18	Western Europe	1.08 (0.99-1188.03)	197.18 (179.66-216.97)	1.75 (1.56-1921.1)	186.58 (166.88-208.38)	-0.04 (-0.09 to 0.02)
19						
20	Andean Latin America	0.18 (0.17-196.15)	680.42 (626.59-742.08)	0.48 (0.4-564.87)	836.34 (704.25-981.59)	0.84 (0.59 to 1.1)
21						
22	Caribbean	0.17 (0.16-189.99)	587 (541.65-647.03)	0.39 (0.34-454.01)	774.89 (668-896.08)	1.32 (1.22 to 1.42)
23						
24	Central Latin America	0.78 (0.72-840.29)	739.23 (689.04-794.6)	3.28 (2.92-3697.82)	1348.14 (1203.58-1521.61)	2.3 (2.01 to 2.59)
25						
26	Tropical Latin America	0.61 (0.58-650.99)	559.23 (528.14-592.5)	1.24 (1.15-1332.95)	513.36 (476.05-553.4)	-0.37 (-0.46 to -0.29)
27						
28	North Africa and Middle East	1.77 (1.62-1930.04)	834.93 (762.27-947.15)	3.38 (2.92-3897.91)	744.36 (646.14-851.75)	-0.37 (-0.43 to -0.31)
29						
30	South Asia	4.69 (4.05-5324.9)	647.1 (557.75-731.83)	9.89 (8.8-11052.83)	640.65 (568.76-715.48)	-0.06 (-0.24 to 0.11)
31						
32	East Asia	4.2 (3.73-4664.95)	416.47 (371.77-461.55)	6.21 (5.36-7049.94)	320.44 (277.88-362.19)	-0.58 (-0.68 to -0.48)
33						
34	Oceania	0.03 (0.02-32.15)	664.24 (581.19-758.07)	0.07 (0.06-83.48)	747.22 (629.25-880.16)	0.27 (0.09 to 0.44)
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Southeast Asia	2.7 (2.49-2945.17)	806.56 (741.95-875.79)	5.11 (4.61-5673.54)	796.69 (720.03-881.21)	-0.02 (-0.07 to 0.03)
Central Sub-Saharan Africa	0.26 (0.22-303.29)	769.07 (656.59-891.05)	0.46 (0.37-563.41)	635.98 (510.34-766.78)	-0.73 (-0.77 to -0.7)
Eastern Sub-Saharan Africa	0.84 (0.71-949.63)	752.43 (668.49-837.88)	1.4 (1.21-1581.03)	626.45 (557.9-698.14)	-0.73 (-0.77 to -0.69)
Southern Sub-Saharan Africa	0.22 (0.2-249.55)	636.93 (576.23-723.35)	0.5 (0.45-545.96)	803.81 (733.62-878.51)	0.94 (0.63 to 1.25)
Western Sub-Saharan Africa	1.03 (0.87-1218.24)	813.99 (702.78-957.03)	2.01 (1.67-2371.3)	738.79 (627.78-857.08)	-0.27 (-0.3 to -0.23)

**Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in 204 countries.**

location	Death cases in 1990 (*10 <sup>3</sup> )	ASDR in 1990 (per 100,000 population)	Death cases in 2019 (*10 <sup>3</sup> )	ASDR in 2019 (per 100,000 population)	EAPC of ASDR from 1990 to 2019
Afghanistan	3.71 (2.82-5.06)	55.94 (42.01-81.56)	5.64 (4.33-7.92)	49.37 (37.14-74.78)	-0.33 (-0.37 to -0.28)
Albania	0.24 (0.22-0.26)	11.53 (10.65-12.4)	0.33 (0.25-0.42)	8.24 (6.22-10.66)	-1.1 (-1.34 to -0.86)
Algeria	3.56 (2.74-4.96)	38.73 (30.35-52.07)	8.2 (6.35-10.89)	31.57 (24.78-41.16)	-0.5 (-0.67 to -0.33)
American Samoa	0.01 (0.01-0.01)	40.55 (34.26-46.31)	0.03 (0.02-0.03)	59.34 (51.03-69)	1.41 (1.28 to 1.55)
Andorra	0 (0-0.01)	11.21 (8.79-14.36)	0.02 (0.01-0.02)	9.86 (7.46-12.24)	-0.39 (-0.57 to -0.2)
Angola	1.06 (0.76-1.34)	27.03 (19.77-33.28)	2.46 (1.73-3.16)	24.77 (17.36-31.37)	-0.37 (-0.42 to -0.33)
Antigua and Barbuda	0.01 (0.01-0.02)	26.3 (23.81-28.66)	0.04 (0.03-0.04)	39.05 (33.55-45.31)	1.69 (1.48 to 1.91)
Argentina	7.13 (6.72-7.54)	23.49 (22.02-24.9)	15.66 (14.21-17.05)	28.36 (25.83-30.9)	0.57 (0.27 to 0.88)
Armenia	0.07 (0.06-0.07)	3.03 (2.76-3.3)	0.45 (0.38-0.52)	11.35 (9.53-13.22)	4.65 (4.33 to 4.97)
Australia	1.71 (1.56-1.83)	9.49 (8.57-10.15)	5.21 (4.29-5.89)	10.75 (9.03-12.08)	0.62 (0.51 to 0.74)

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5	Austria	0.74 (0.68-0.79)	6.13 (5.62-6.53)	3.37 (2.86-3.73)	14.87 (12.79-16.36)	4.46 (3.94 to 4.98)
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7						
8	Azerbaijan	0.53 (0.47-0.59)	9.6 (8.55-10.9)	1.39 (1.16-1.63)	17.85 (14.56-20.65)	2.69 (2.23 to 3.16)
9						
10	Bahamas	0.04 (0.03-0.04)	24.48 (22.11-26.99)	0.11 (0.09-0.14)	30.35 (24.98-36.57)	1.14 (0.98 to 1.3)
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13	Bahrain	0.04 (0.04-0.05)	38.45 (31.97-46.81)	0.18 (0.14-0.22)	34.82 (27.94-42.19)	-0.09 (-0.63 to 0.45)
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16	Bangladesh	7.7 (5.05-9.75)	13.66 (10.12-16.55)	12.78 (10.18-15.68)	10.9 (8.74-13.31)	-0.56 (-0.91 to -0.2)
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18	Barbados	0.05 (0.05-0.06)	18.45 (17.07-19.95)	0.12 (0.1-0.14)	25.66 (21.37-30.06)	1.14 (0.93 to 1.35)
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21	Belarus	0.28 (0.26-0.29)	2.32 (2.15-2.46)	0.5 (0.4-0.62)	3.2 (2.57-3.97)	1.48 (0.93 to 2.04)
22						
23	Belgium	1.42 (1.3-1.53)	9.13 (8.31-9.81)	2.96 (2.5-3.34)	9.89 (8.49-11.03)	0.38 (0.28 to 0.48)
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26	Belize	0.02 (0.02-0.02)	22.74 (20.41-25.07)	0.11 (0.1-0.13)	40.49 (35.02-46.66)	2.2 (1.72 to 2.69)
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29	Benin	0.75 (0.64-0.87)	35.15 (30.27-40.77)	1.58 (1.19-2.06)	32.41 (25.19-40.64)	-0.15 (-0.23 to -0.07)
30						
31	Bermuda	0.01 (0.01-0.01)	16.94 (15.52-18.34)	0.02 (0.02-0.02)	14.55 (12.11-17.38)	-0.18 (-0.35 to -0.01)
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34	Bhutan	0.06 (0.04-0.08)	22.36 (14.86-31.31)	0.15 (0.1-0.19)	28.1 (20.41-35.31)	0.86 (0.81 to 0.91)
35						
36	Bolivia (Plurinational State of)	1.23 (1.02-1.52)	39.15 (32.12-49.14)	4.42 (3.41-5.56)	55.89 (43.24-69.91)	1.3 (1.23 to 1.38)
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5	Bosnia and Herzegovina	0.34 (0.32-0.36)	9.3 (8.68-9.91)	0.66 (0.53-0.8)	11.56 (9.29-14.09)	0.8 (0.55 to 1.05)
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8	Botswana	0.14 (0.1-0.19)	27.26 (20.38-37.49)	0.44 (0.31-0.61)	37.05 (26.41-49.7)	0.64 (0.29 to 0.99)
9						
10	Brazil	16.25 (15.53-16.8)	19.48 (18.27-20.26)	42.34 (38.66-44.67)	18.6 (16.9-19.66)	-0.09 (-0.17 to -0.02)
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13	Brunei Darussalam	0.03 (0.03-0.03)	36.65 (32.22-41.02)	0.08 (0.07-0.09)	37 (32.83-41.35)	0.74 (0.49 to 0.99)
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16	Bulgaria	0.75 (0.7-0.79)	6.89 (6.49-7.29)	1.95 (1.58-2.38)	14.23 (11.57-17.43)	2.68 (2.32 to 3.05)
17						
18	Burkina Faso	1.25 (1.03-1.48)	30.19 (25.23-35.72)	2.82 (2.28-3.4)	30.98 (25.71-36.7)	0.03 (-0.07 to 0.13)
19						
20						
21	Burundi	0.74 (0.58-0.94)	31.09 (24.22-39.09)	1.04 (0.81-1.33)	25.11 (19.84-31.23)	-1 (-1.1 to -0.9)
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24	Cabo Verde	0.04 (0.03-0.04)	15.38 (13.65-18.09)	0.1 (0.09-0.12)	24.42 (21.5-27.42)	0.8 (0.48 to 1.12)
25						
26	Cambodia	1.17 (0.97-1.38)	23.11 (19.27-27.26)	2.19 (1.77-2.6)	19.77 (16.16-22.88)	-0.64 (-0.73 to -0.56)
27						
28						
29	Cameroon	1.93 (1.49-2.38)	46.32 (35.64-56.56)	4.78 (3.53-6.3)	42.01 (31.74-53.82)	-0.29 (-0.36 to -0.22)
30						
31	Canada	2.64 (2.38-2.83)	8.44 (7.58-9.05)	7.5 (6.43-8.41)	9.67 (8.4-10.78)	0.22 (0.1 to 0.34)
32						
33						
34	Central African Republic	0.36 (0.27-0.45)	31.47 (23.87-38.91)	0.65 (0.48-0.86)	31.44 (23.07-40.76)	0.05 (-0.07 to 0.16)
35						
36	Chad	0.92 (0.71-1.28)	31.71 (24.21-44.14)	1.82 (1.36-2.4)	31.47 (24.21-40.94)	0.04 (-0.05 to 0.14)
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Chile	1.35 (1.28-1.42)	15.12 (14.14-15.91)	5.04 (4.47-5.49)	21.2 (18.81-23.09)	1.54 (1.18 to 1.91)
China	98.61 (86.8-111.08)	12.98 (11.52-14.53)	196.73 (168.24-224.68)	11.23 (9.63-12.77)	-0.21 (-0.32 to -0.09)
Colombia	3.56 (3.35-3.74)	21.24 (19.51-22.52)	9.5 (7.33-11.97)	17.48 (13.59-22.1)	-0.65 (-0.81 to -0.5)
Comoros	0.06 (0.04-0.08)	28.88 (19.76-36.55)	0.12 (0.1-0.14)	26.32 (22.01-31.51)	-0.51 (-0.64 to -0.38)
Congo	0.37 (0.26-0.46)	36.99 (26.02-46.61)	0.7 (0.48-0.92)	31.9 (21.82-40.63)	-0.68 (-0.79 to -0.56)
Cook Islands	0 (0-0)	23.6 (19.81-27.56)	0.01 (0.01-0.01)	29.72 (24.86-35)	0.99 (0.9 to 1.07)
Costa Rica	0.26 (0.24-0.27)	14.97 (13.7-16.1)	1.37 (1.08-1.71)	26.61 (20.83-33.09)	1.89 (1.41 to 2.37)
Croatia	0.43 (0.39-0.46)	7.27 (6.69-7.85)	0.92 (0.74-1.14)	9.7 (7.84-11.9)	0.93 (0.56 to 1.3)
Cuba	0.82 (0.77-0.86)	7.98 (7.53-8.38)	2.73 (2.24-3.32)	14.43 (11.8-17.53)	2.61 (2.35 to 2.86)
Cyprus	0.18 (0.16-0.21)	33.7 (29.01-39.16)	0.33 (0.29-0.38)	20.62 (17.88-23.26)	-2.01 (-2.19 to -1.83)
Czechia	1.08 (1.03-1.13)	8.09 (7.7-8.44)	1.32 (1.07-1.56)	6 (4.88-7.14)	-0.94 (-1.08 to -0.8)
Democratic People's Republic of Korea	2.38 (1.86-2.97)	15.72 (12.48-19.16)	4.32 (3.51-5.28)	14.24 (11.58-17.26)	-0.28 (-0.41 to -0.14)
Democratic Republic of the Congo	4.42 (3.69-5.24)	30.47 (25.83-35.58)	8.03 (6.4-9.93)	24.79 (19.49-30.7)	-0.81 (-0.85 to -0.77)

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5	Denmark	0.37 (0.34-0.4)	4.43 (4.05-4.75)	1.13 (0.98-1.26)	8.8 (7.65-9.71)	2.37 (1.93 to 2.8)
6						
7						
8	Djibouti	0.03 (0.02-0.04)	23.64 (17.63-30.82)	0.14 (0.1-0.18)	28.41 (22.57-36.87)	0.58 (0.48 to 0.68)
9						
10	Dominica	0.03 (0.02-0.03)	35.66 (32.01-39.51)	0.04 (0.04-0.05)	48.01 (39.68-57.88)	1.35 (1.23 to 1.47)
11						
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13	Dominican Republic	0.58 (0.52-0.65)	15.07 (13.33-16.88)	2.28 (1.69-3.04)	24.98 (18.71-33.09)	2.79 (2.47 to 3.12)
14						
15	Ecuador	1.09 (1.02-1.15)	20.77 (19.27-22.14)	6.91 (5.55-8.62)	50.48 (40.61-62.49)	3.43 (2.76 to 4.11)
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18	Egypt	9.72 (6.8-11.83)	39.39 (27.32-49.32)	21.98 (12.86-31.56)	43.93 (26.96-61.79)	0.54 (0.44 to 0.64)
19						
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21	El Salvador	0.62 (0.58-0.67)	20.12 (18.68-21.65)	4.08 (3.09-5.23)	67.31 (50.85-86.63)	4.43 (3.7 to 5.16)
22						
23	Equatorial Guinea	0.06 (0.04-0.07)	29.32 (21.77-37.03)	0.14 (0.1-0.19)	32.78 (23.73-43.75)	0.54 (0.39 to 0.69)
24						
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26	Eritrea	0.25 (0.17-0.34)	24.73 (15.94-35.35)	0.66 (0.45-0.92)	27.87 (19.48-38.08)	0.3 (0.14 to 0.46)
27						
28						
29	Estonia	0.05 (0.05-0.06)	2.72 (2.52-2.94)	0.35 (0.28-0.43)	11.33 (9.07-13.93)	5.36 (4.91 to 5.81)
30						
31	Eswatini	0.1 (0.08-0.13)	37.13 (29.77-45.05)	0.27 (0.19-0.36)	51.29 (37.88-66.11)	1.28 (0.67 to 1.89)
32						
33						
34	Ethiopia	7.86 (6.41-9.38)	39.59 (32.49-46.12)	9.86 (8.58-11.29)	26.17 (22.48-30.08)	-1.62 (-1.7 to -1.55)
35						
36	Fiji	0.12 (0.09-0.14)	34.34 (28.19-43.41)	0.29 (0.23-0.37)	46.74 (37.81-57.1)	0.55 (0.17 to 0.93)
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5	Finland	0.21 (0.2-0.23)	3.08 (2.8-3.3)	0.71 (0.59-0.79)	4.69 (4.01-5.26)	2.13 (1.9 to 2.37)
6						
7						
8	France	7.12 (6.35-7.72)	7.99 (7.12-8.64)	12.7 (10.29-14.62)	6.59 (5.48-7.46)	-0.39 (-0.52 to -0.26)
9						
10	Gabon	0.18 (0.13-0.23)	35.51 (25.47-44.37)	0.37 (0.23-0.48)	41.2 (25.46-53.69)	0.46 (0.25 to 0.67)
11						
12						
13	Gambia	0.11 (0.08-0.14)	31.8 (25.23-39.71)	0.31 (0.24-0.39)	33.3 (27.05-40.97)	0.1 (-0.01 to 0.22)
14						
15	Georgia	0.35 (0.31-0.39)	6.2 (5.54-6.88)	0.71 (0.59-0.82)	11.89 (9.98-13.83)	3.59 (2.83 to 4.35)
16						
17						
18	Germany	9.35 (8.69-9.9)	7.04 (6.55-7.43)	35.22 (30.38-39.03)	14.7 (12.69-16.19)	3.54 (3.2 to 3.89)
19						
20						
21	Ghana	1.66 (1.25-2.22)	27.97 (21.27-36.97)	4.68 (3.38-5.96)	31.79 (23.14-39.85)	0.55 (0.44 to 0.66)
22						
23	Greece	2.95 (2.71-3.17)	20.63 (18.81-22.08)	4.6 (4.02-5.09)	14.96 (13.36-16.41)	-1.62 (-2.08 to -1.16)
24						
25						
26	Greenland	0 (0-0)	13.2 (11.48-15.22)	0.01 (0.01-0.01)	13.87 (11.51-16.31)	0.22 (0.11 to 0.34)
27						
28						
29	Grenada	0.03 (0.02-0.03)	34.89 (31.52-38.34)	0.05 (0.04-0.06)	47.49 (41.83-52.74)	1.47 (1.3 to 1.64)
30						
31	Guam	0.01 (0.01-0.02)	24.88 (21.94-27.8)	0.06 (0.05-0.07)	29.97 (25.2-35.61)	0.9 (0.61 to 1.19)
32						
33						
34	Guatemala	1.14 (1.02-1.27)	32.23 (28.9-35.79)	6.02 (4.81-7.5)	57.06 (46.4-70.3)	2.65 (2.29 to 3.01)
35						
36	Guinea	1.25 (1.01-1.59)	37.28 (30.01-47.69)	1.93 (1.51-2.42)	34.24 (27.19-42.48)	-0.1 (-0.17 to -0.02)
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5	Guinea-Bissau	0.21 (0.17-0.27)	50.78 (40.95-61.44)	0.29 (0.23-0.36)	40.52 (32.1-49.72)	-0.74 (-0.78 to -0.7)
6						
7						
8	Guyana	0.11 (0.1-0.13)	29.17 (25.4-33.04)	0.28 (0.22-0.36)	47.17 (37.07-58.98)	2.38 (2.15 to 2.61)
9						
10	Haiti	1.18 (0.91-1.64)	34.39 (26-50.81)	2.37 (1.67-3.61)	34.33 (24.49-52.97)	0.32 (0.18 to 0.47)
11						
12						
13	Honduras	0.56 (0.45-0.78)	26.05 (20.21-38.44)	3.16 (2.57-4.03)	55.87 (45.6-71.19)	3.09 (2.81 to 3.37)
14						
15	Hungary	0.78 (0.74-0.82)	5.84 (5.51-6.11)	1.82 (1.52-2.17)	8.92 (7.43-10.6)	2.57 (2.18 to 2.97)
16						
17						
18	Iceland	0.01 (0.01-0.01)	4.19 (3.74-4.58)	0.03 (0.03-0.04)	4.98 (4.14-5.69)	0.89 (0.75 to 1.03)
19						
20						
21	India	92.81 (79.36-104.72)	22.76 (19.35-25.79)	222.92 (191.55-258.59)	20.92 (17.98-24.08)	-0.55 (-0.77 to -0.33)
22						
23	Indonesia	22.38 (20.04-24.93)	21.08 (18.79-23.69)	42.13 (35.88-48.3)	20.95 (17.92-23.36)	0 (-0.13 to 0.12)
24						
25						
26	Iran (Islamic Republic of)	5.27 (4.82-5.77)	24.11 (21.79-28.8)	12.55 (11.38-13.41)	19.77 (17.77-21.21)	-0.89 (-0.98 to -0.79)
27						
28						
29	Iraq	3.46 (2.82-4.48)	46.27 (37.12-61.87)	7.89 (6.16-10.08)	41.86 (33.19-53.49)	-0.42 (-0.48 to -0.35)
30						
31	Ireland	0.42 (0.39-0.44)	10.95 (10.02-11.65)	0.7 (0.59-0.79)	8.89 (7.57-9.94)	-0.71 (-0.79 to -0.64)
32						
33						
34	Israel	0.96 (0.88-1.02)	21.9 (19.96-23.41)	2.76 (2.37-3.06)	21.48 (18.66-23.71)	0.28 (-0.04 to 0.6)
35						
36	Italy	8.39 (7.89-8.68)	9.78 (9.09-10.16)	16.51 (13.88-18.05)	8.6 (7.37-9.33)	-0.17 (-0.31 to -0.04)
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5	Ivory Coast	1.57 (1.27-1.87)	40.34 (33.8-47.23)	3.43 (2.59-4.33)	34.73 (28.03-42.22)	-0.61 (-0.73 to -0.49)
6						
7						
8	Jamaica	0.43 (0.39-0.46)	23.34 (21.34-24.93)	0.94 (0.76-1.15)	30.23 (24.24-37.39)	0.3 (-0.21 to 0.82)
9						
10	Japan	19.48 (17.92-20.33)	12.85 (11.7-13.48)	45.32 (35.35-51.15)	8.87 (7.24-9.83)	-1.44 (-1.54 to -1.34)
11						
12						
13	Jordan	0.44 (0.37-0.51)	40.92 (34.47-48.38)	1.81 (1.52-2.15)	36.65 (30.74-43.21)	-0.28 (-0.4 to -0.15)
14						
15						
16	Kazakhstan	0.97 (0.91-1.05)	7.34 (6.89-7.89)	1.87 (1.64-2.13)	11.79 (10.31-13.3)	1.12 (0.79 to 1.45)
17						
18	Kenya	1.62 (1.36-1.94)	20.91 (17.39-25.31)	4.76 (3.99-5.64)	25.35 (21.47-29.6)	0.75 (0.67 to 0.82)
19						
20						
21	Kiribati	0.02 (0.01-0.02)	44.1 (36.16-52.87)	0.04 (0.03-0.05)	56.87 (43.53-72.81)	0.6 (0.19 to 1.02)
22						
23						
24	Kuwait	0.14 (0.12-0.15)	27.67 (23.81-30.52)	0.32 (0.27-0.39)	16.18 (13.28-19.5)	-2.21 (-2.93 to -1.48)
25						
26	Kyrgyzstan	0.43 (0.39-0.47)	12.46 (11.34-13.65)	0.49 (0.42-0.56)	9.8 (8.54-11.16)	-1.37 (-1.82 to -0.93)
27						
28						
29	Lao People's Democratic Republic	1.08 (0.85-1.35)	50.84 (39.68-64.92)	1.71 (1.31-2.18)	41.81 (32.97-51.98)	-0.85 (-0.92 to -0.78)
30						
31	Latvia	0.08 (0.07-0.08)	2.33 (2.17-2.5)	0.26 (0.22-0.32)	6.22 (5.25-7.5)	4.52 (4 to 5.05)
32						
33						
34	Lebanon	0.62 (0.52-0.75)	32.44 (27.01-39.57)	1.18 (0.85-1.53)	23.32 (16.78-30.26)	-1.11 (-1.25 to -0.97)
35						
36	Lesotho	0.22 (0.18-0.28)	24.49 (20.02-29.91)	0.56 (0.4-0.73)	49.32 (35.95-62.73)	3.04 (2.73 to 3.35)
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5	Liberia	0.45 (0.37-0.55)	41.82 (35.14-51.43)	0.65 (0.47-0.9)	33.14 (25.24-45.08)	-0.58 (-0.85 to -0.32)
6						
7						
8	Libya	0.52 (0.4-0.66)	29.75 (22.44-39.08)	1.37 (0.92-1.86)	30.37 (20.49-41.27)	0.33 (0.15 to 0.5)
9						
10	Lithuania	0.12 (0.11-0.12)	2.66 (2.46-2.84)	0.26 (0.22-0.31)	4.37 (3.64-5.24)	1.2 (0.62 to 1.78)
11						
12						
13	Luxembourg	0.05 (0.05-0.06)	10.12 (9.11-10.94)	0.12 (0.1-0.14)	10.19 (8.48-11.88)	0.23 (0.02 to 0.44)
14						
15	Madagascar	1.2 (0.94-1.49)	22.91 (17.82-29.06)	1.94 (1.49-2.54)	20.34 (15.74-26.54)	-0.49 (-0.56 to -0.42)
16						
17						
18	Malawi	1.04 (0.83-1.21)	27.48 (23.76-31.57)	1.78 (1.46-2.15)	26.24 (21.93-31.13)	-0.28 (-0.42 to -0.14)
19						
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21	Malaysia	2.18 (2.01-2.37)	24.78 (22.57-27.13)	6.11 (4.87-7.45)	25.56 (20.44-31)	-0.47 (-0.73 to -0.22)
22						
23	Maldives	0.04 (0.04-0.05)	57.41 (49.94-68.83)	0.09 (0.07-0.1)	33.8 (27.82-39.77)	-2.22 (-2.46 to -1.97)
24						
25						
26	Mali	1.52 (1.21-1.91)	37.05 (29.91-46.42)	2.7 (2.07-3.46)	31.19 (25-38.82)	-0.45 (-0.61 to -0.29)
27						
28	Malta	0.05 (0.05-0.06)	13.49 (12.13-14.67)	0.11 (0.09-0.12)	10.34 (8.85-11.81)	-0.93 (-1.14 to -0.72)
29						
30						
31	Marshall Islands	0.01 (0.01-0.01)	39.58 (31.44-51.85)	0.02 (0.01-0.02)	53.39 (39.7-72.05)	1.04 (0.78 to 1.3)
32						
33						
34	Mauritania	0.45 (0.38-0.53)	47.02 (39-55.12)	0.59 (0.44-0.76)	30.91 (23.68-38.57)	-1.45 (-1.52 to -1.37)
35						
36	Mauritius	0.31 (0.29-0.33)	44.68 (41.91-47.57)	1.26 (1.03-1.53)	75.03 (61.8-90.76)	2.09 (1.74 to 2.45)
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Mexico	12.18 (11.63-12.52)	30.65 (28.76-31.74)	72.54 (62.59-82.5)	63.67 (55.02-72.25)	2.85 (2.43 to 3.27)
Micronesia (Federated States of)	0.02 (0.02-0.03)	49.5 (39.15-64.24)	0.05 (0.03-0.06)	77.21 (57.56-97.54)	1.45 (1.05 to 1.84)
Monaco	0 (0-0)	4.16 (3.41-4.99)	0.01 (0.01-0.01)	6.28 (5.16-7.39)	1.83 (1.41 to 2.26)
Mongolia	0.39 (0.33-0.46)	35.49 (30.53-41)	0.39 (0.31-0.5)	17.81 (14.41-22.12)	-3.6 (-4.07 to -3.12)
Montenegro	0.07 (0.07-0.08)	12.43 (11.17-13.87)	0.13 (0.11-0.15)	13.82 (11.6-16.13)	0.55 (0.38 to 0.72)
Morocco	3.55 (3.03-4.63)	29.43 (24.56-41.35)	9.32 (7.16-11.84)	35.84 (27.87-46.25)	0.76 (0.62 to 0.89)
Mozambique	1.24 (1.02-1.52)	22.84 (18.92-28.33)	2.64 (2.08-3.28)	25.87 (21.06-32.1)	0.5 (0.37 to 0.63)
Myanmar	7.64 (5.94-9.5)	30.76 (24.01-38.16)	11.55 (9.73-13.96)	26.84 (23.21-32.3)	-0.53 (-0.65 to -0.41)
Namibia	0.18 (0.13-0.24)	27.85 (20.88-37.4)	0.35 (0.25-0.49)	27.4 (20-38.41)	-0.39 (-0.75 to -0.02)
Nauru	0 (0-0)	49.17 (38.1-60.09)	0 (0-0)	66.61 (49.13-82.46)	0.93 (0.61 to 1.25)
Nepal	1.73 (1.27-2.25)	18.15 (13.34-24.47)	5.11 (3.58-6.71)	25.06 (17.71-32.79)	1.23 (0.94 to 1.53)
Netherlands	1.68 (1.48-1.82)	8.42 (7.37-9.15)	3.78 (3.23-4.22)	9.8 (8.42-10.92)	0.67 (0.59 to 0.75)
New Zealand	0.31 (0.28-0.33)	8.26 (7.56-8.83)	0.91 (0.79-1)	10.82 (9.52-11.82)	1.04 (0.82 to 1.27)

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5	Nicaragua	0.61 (0.57-0.65)	37.62 (34.76-40.75)	3.48 (2.87-4.09)	83.24 (69.57-96.75)	3.14 (2.79 to 3.49)
6						
7						
8	Niger	1.07 (0.84-1.35)	35.2 (27.55-44.12)	2.2 (1.61-2.91)	28.69 (22.39-36.04)	-0.66 (-0.73 to -0.6)
9						
10	Nigeria	11.66 (9.42-14.85)	27.69 (22.51-35.07)	20.04 (15.89-25.09)	24.84 (20.27-30.37)	-0.3 (-0.36 to -0.23)
11						
12						
13	Niue	0 (0-0)	35.72 (28.03-44.02)	0 (0-0)	47.39 (34.47-59.33)	0.85 (0.59 to 1.12)
14						
15	North Macedonia	0.19 (0.18-0.22)	11.25 (10.27-12.72)	0.36 (0.29-0.45)	12.72 (10.34-15.66)	0.3 (0.07 to 0.54)
16						
17						
18	Northern Mariana Islands	0.01 (0.01-0.01)	45.65 (39.08-54.81)	0.02 (0.02-0.03)	56.84 (48.66-65.02)	0.95 (0.85 to 1.06)
19						
20						
21	Norway	0.34 (0.31-0.36)	4.55 (4.2-4.77)	0.78 (0.67-0.84)	6.69 (5.84-7.25)	1.49 (1.18 to 1.8)
22						
23						
24	Oman	0.08 (0.06-0.11)	16.82 (12.93-22.29)	0.2 (0.17-0.23)	19.85 (17.05-22.82)	0.98 (0.78 to 1.17)
25						
26	Pakistan	15.21 (11.34-20.54)	26.34 (19.51-35.91)	44.39 (32.45-56.53)	39.88 (29.74-50.88)	1.43 (1.17 to 1.7)
27						
28						
29	Palau	0.01 (0-0.01)	54.63 (45.05-68.31)	0.01 (0.01-0.02)	69.74 (56.33-84.64)	0.79 (0.59 to 1)
30						
31	Palestine	0.39 (0.31-0.48)	46.81 (37.83-57.37)	0.65 (0.55-0.75)	33.58 (28.52-38.58)	-0.86 (-1.11 to -0.6)
32						
33						
34	Panama	0.22 (0.2-0.24)	14.61 (13.34-15.73)	1.15 (0.9-1.46)	27.39 (21.28-34.63)	2.25 (1.89 to 2.61)
35						
36	Papua New Guinea	0.25 (0.2-0.31)	12.19 (9.8-14.71)	0.74 (0.56-0.95)	14.36 (11.09-17.95)	0.51 (0.36 to 0.65)
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5	Paraguay	0.34 (0.3-0.37)	15.41 (13.63-17.13)	1.88 (1.46-2.4)	34.76 (27.05-44.15)	3.48 (3.24 to 3.71)
6						
7						
8	Peru	2.92 (2.59-3.3)	24.09 (21.15-27.33)	8.04 (5.92-10.44)	24.72 (18.22-32.03)	0.19 (-0.04 to 0.42)
9						
10	Philippines	10.41 (9.42-11.48)	38.22 (34.49-42.3)	33.36 (27.88-39.55)	44.7 (37.65-52.35)	0.92 (0.66 to 1.18)
11						
12						
13	Poland	4.41 (4.25-4.53)	10.66 (10.2-10.95)	4.7 (3.97-5.59)	6.5 (5.49-7.73)	-1.96 (-2.39 to -1.53)
14						
15	Portugal	1.58 (1.49-1.67)	12.57 (11.77-13.3)	4.07 (3.45-4.51)	13.48 (11.55-14.86)	0.38 (-0.07 to 0.84)
16						
17						
18	Puerto Rico	0.99 (0.93-1.05)	28.44 (26.47-30.11)	2.06 (1.6-2.59)	26.89 (21.12-34.09)	0.4 (0.08 to 0.72)
19						
20						
21	Qatar	0.03 (0.02-0.04)	48.93 (38.41-84.35)	0.13 (0.1-0.17)	45.88 (37.09-55.98)	0.07 (-0.19 to 0.33)
22						
23	Republic of Korea	3.12 (2.97-3.33)	12.08 (11.28-12.97)	7.98 (6.93-8.86)	9.56 (8.27-10.64)	-0.56 (-0.65 to -0.47)
24						
25						
26	Republic of Moldova	0.1 (0.09-0.11)	2.87 (2.67-3.05)	0.25 (0.21-0.28)	4.46 (3.88-5.03)	1.53 (1.2 to 1.85)
27						
28						
29	Romania	2.59 (2.47-2.69)	10.43 (9.94-10.84)	3.04 (2.55-3.61)	7.98 (6.68-9.46)	-0.52 (-1.04 to 0)
30						
31	Russian Federation	9.02 (8.79-9.32)	5.47 (5.29-5.63)	11.65 (10.16-13.13)	5.17 (4.52-5.82)	-0.89 (-1.21 to -0.57)
32						
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34	Rwanda	0.93 (0.76-1.1)	32.51 (27.17-38.51)	1.27 (0.99-1.56)	24.68 (19.41-29.96)	-1.65 (-1.93 to -1.37)
35						
36	Saint Kitts and Nevis	0.02 (0.02-0.02)	48.81 (44.79-53.28)	0.03 (0.03-0.04)	53.07 (44.4-61.71)	0.73 (0.55 to 0.91)
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5	Saint Lucia	0.03 (0.02-0.03)	31.56 (29.14-33.94)	0.07 (0.06-0.08)	34.59 (28.97-40.83)	0.39 (0.16 to 0.62)
6						
7						
8	Saint Vincent and the Grenadines	0.02 (0.02-0.02)	25.51 (23.01-27.92)	0.05 (0.04-0.05)	36.54 (31.68-42.06)	1.55 (1.32 to 1.78)
9						
10	Samoa	0.03 (0.02-0.04)	37.95 (30.01-47.78)	0.06 (0.05-0.08)	44.6 (36.37-54.81)	0.47 (0.26 to 0.68)
11						
12						
13	San Marino	0 (0-0)	4.05 (3.41-4.74)	0 (0-0.01)	5.09 (3.52-6.82)	1.51 (1.24 to 1.77)
14						
15	Sao Tome and Principe	0.03 (0.02-0.03)	43.51 (36.27-49.57)	0.05 (0.04-0.06)	51.3 (40.4-59.87)	0.48 (0.36 to 0.6)
16						
17						
18	Saudi Arabia	2.48 (1.93-3.1)	47.9 (37.69-59.35)	6.93 (5.45-8.55)	52.88 (42.82-63.11)	0.58 (0.35 to 0.81)
19						
20						
21	Senegal	1.33 (1.04-1.71)	41.68 (33.28-53.19)	2.45 (1.89-3.22)	34.93 (27.7-45.06)	-0.54 (-0.67 to -0.42)
22						
23	Serbia	1.42 (1.28-1.67)	14 (12.58-16.3)	2.52 (2.05-3)	16.34 (13.34-19.38)	0.83 (0.66 to 1)
24						
25						
26	Seychelles	0.02 (0.01-0.02)	29.87 (26.45-33.1)	0.04 (0.04-0.05)	44.43 (38.76-49.83)	0.9 (0.52 to 1.29)
27						
28	Sierra Leone	0.64 (0.51-0.79)	32.65 (26.08-39.62)	1.04 (0.79-1.33)	28.55 (22.85-35.84)	-0.28 (-0.36 to -0.2)
29						
30						
31	Singapore	0.31 (0.29-0.33)	15.54 (14.57-16.4)	0.76 (0.66-0.83)	10.51 (9.09-11.55)	-0.38 (-0.94 to 0.18)
32						
33						
34	Slovakia	0.69 (0.64-0.74)	11.86 (11.06-12.74)	0.76 (0.6-0.93)	8.42 (6.73-10.33)	-1.05 (-1.13 to -0.96)
35						
36	Slovenia	0.15 (0.12-0.19)	6.5 (5.14-8.02)	0.26 (0.2-0.33)	4.99 (3.91-6.36)	-0.16 (-0.44 to 0.13)
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5	Solomon Islands	0.07 (0.05-0.09)	41.92 (31.97-57.06)	0.09 (0.07-0.11)	25.15 (20.72-29.99)	-1.94 (-2.35 to -1.53)
6						
7						
8	Somalia	0.76 (0.57-0.96)	31.28 (23.57-39.61)	1.88 (1.43-2.5)	29.63 (22.61-39.38)	-0.06 (-0.11 to -0.01)
9						
10	South Africa	4.61 (4.25-5.07)	22 (20.07-24.29)	12.35 (11.41-13.22)	31.02 (28.44-33.22)	1.29 (0.9 to 1.68)
11						
12						
13	South Sudan	0.65 (0.48-0.83)	27.62 (20.27-35.67)	0.93 (0.69-1.25)	27.22 (20.38-35.97)	-0.06 (-0.09 to -0.02)
14						
15						
16	Spain	7.68 (6.91-8.29)	14.79 (13.28-15.99)	14.65 (12.08-16.74)	11.06 (9.33-12.49)	-0.87 (-0.94 to -0.8)
17						
18	Sri Lanka	2.49 (2.21-2.74)	25.27 (22.31-27.99)	5.56 (4.15-7.26)	24.09 (18.08-31.21)	-0.11 (-0.51 to 0.28)
19						
20						
21	Sudan	2.61 (2.06-3.46)	28.53 (22.13-40.32)	4.75 (3.37-7.17)	28.39 (20.33-44.3)	0.05 (-0.04 to 0.14)
22						
23	Suriname	0.07 (0.07-0.08)	28.55 (25.56-30.97)	0.26 (0.22-0.31)	45.34 (37.97-53.46)	1.67 (1.38 to 1.96)
24						
25						
26	Sweden	0.65 (0.59-0.69)	3.93 (3.59-4.17)	2 (1.68-2.21)	7.5 (6.43-8.23)	2.55 (2.42 to 2.67)
27						
28						
29	Switzerland	0.61 (0.54-0.66)	5.43 (4.84-5.87)	2.22 (1.82-2.52)	9.49 (7.91-10.75)	2.76 (2.5 to 3.03)
30						
31	Syrian Arab Republic	1.95 (1.61-2.37)	36.99 (30.44-46.13)	2.66 (2.07-3.42)	27.78 (22.07-34.58)	-1.65 (-1.95 to -1.34)
32						
33						
34	Taiwan (Province of China)	3.33 (3.14-3.53)	26.1 (24.33-27.84)	8.25 (6.51-10.33)	20.47 (16.14-25.73)	-0.94 (-1.1 to -0.79)
35						
36	Tajikistan	0.1 (0.1-0.11)	3.18 (2.94-3.47)	0.4 (0.33-0.49)	9.4 (7.8-11.25)	4.07 (3.7 to 4.45)
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5	Thailand	9.77 (8.63-11.15)	29.2 (25.83-33.3)	27.45 (21.01-35.47)	27.94 (21.36-35.99)	-0.38 (-0.48 to -0.28)
6						
7						
8	Timor-Leste	0.09 (0.07-0.12)	31.54 (24.73-42.46)	0.23 (0.17-0.3)	31.3 (24.09-39.75)	-0.04 (-0.24 to 0.15)
9						
10	Togo	0.43 (0.35-0.54)	34.23 (28.17-42.73)	1 (0.79-1.27)	30.2 (24.51-37.23)	-0.43 (-0.47 to -0.39)
11						
12						
13	Tokelau	0 (0-0)	32.9 (25.7-42.75)	0 (0-0)	40.42 (31.37-54.02)	0.67 (0.44 to 0.9)
14						
15	Tonga	0.01 (0.01-0.02)	28.56 (23.31-37.54)	0.03 (0.03-0.04)	41.51 (33.11-54.56)	1.25 (0.87 to 1.63)
16						
17						
18	Trinidad and Tobago	0.18 (0.16-0.19)	21.8 (20.39-23.17)	0.62 (0.46-0.8)	34.37 (25.88-44.38)	2 (1.76 to 2.25)
19						
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21	Tunisia	1.03 (0.88-1.23)	24.28 (20.58-29.37)	2.63 (1.88-3.49)	23.62 (16.87-31.07)	-0.12 (-0.16 to -0.09)
22						
23	Turkey	11.61 (9.54-15.85)	35.19 (28.26-50.25)	19.19 (15.49-23.48)	23.48 (18.99-28.71)	-1.28 (-1.59 to -0.97)
24						
25						
26	Turkmenistan	0.31 (0.29-0.33)	13.45 (12.55-14.37)	0.71 (0.58-0.9)	17.38 (14.16-21.64)	0.34 (0.03 to 0.65)
27						
28	Tuvalu	0 (0-0)	38.58 (30.62-49.14)	0 (0-0.01)	48.67 (35.96-66.59)	0.78 (0.56 to 0.99)
29						
30						
31	Uganda	1.55 (1.2-1.94)	25.22 (19.55-31.82)	3.39 (2.62-4.26)	25.81 (20.58-31.71)	-0.19 (-0.32 to -0.05)
32						
33						
34	Ukraine	1.41 (1.34-1.47)	2.29 (2.15-2.39)	2.66 (2.28-3.07)	3.86 (3.31-4.47)	2.18 (1.89 to 2.47)
35						
36	United Arab Emirates	0.21 (0.16-0.26)	61.23 (37.47-75.7)	1.43 (0.91-2.26)	48.09 (29.07-73.62)	-0.82 (-1.4 to -0.24)
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United Kingdom	4.97 (4.64-5.15)	5.41 (5.03-5.63)	7.78 (6.85-8.33)	5.29 (4.7-5.64)	0.38 (0.12 to 0.64)
United Republic of Tanzania	2.75 (2.31-3.27)	26.7 (22.58-32.2)	6.23 (5.26-7.36)	27.3 (23.17-31.68)	0.13 (0.05 to 0.2)
United States of America	33.1 (30.49-34.45)	9.94 (9.18-10.34)	106.95 (95.86-114.38)	17.77 (16.12-18.91)	2.43 (2.22 to 2.63)
United States Virgin Islands	0.02 (0.01-0.02)	21.34 (18.16-24.86)	0.05 (0.04-0.06)	30.18 (25.88-34.3)	1.76 (1.53 to 1.99)
Uruguay	0.51 (0.47-0.54)	13.21 (12.24-14.02)	0.99 (0.87-1.09)	15.9 (14.15-17.4)	0.94 (0.8 to 1.09)
Uzbekistan	1.89 (1.64-2.52)	14.76 (12.61-20.49)	3.97 (3.33-4.67)	19.85 (17.05-22.89)	0.69 (-0.1 to 1.5)
Vanuatu	0.02 (0.01-0.02)	26.09 (18.67-35.84)	0.07 (0.05-0.09)	43.38 (32.55-57.97)	1.91 (1.78 to 2.04)
Venezuela (Bolivarian Republic of)	1.55 (1.46-1.64)	16.19 (15.07-17.25)	10.41 (7.89-13.43)	36.77 (27.88-47.38)	2.43 (1.94 to 2.92)
Viet Nam	11.03 (8.95-13.56)	29.05 (23.77-35.4)	21.48 (16.68-25.81)	26.62 (20.89-31.76)	-0.38 (-0.85 to 0.09)
Yemen	1.15 (0.86-1.54)	24.8 (18.61-34.23)	2.68 (2.05-3.54)	23.19 (18.02-30.53)	-0.26 (-0.33 to -0.18)
Zambia	0.95 (0.81-1.11)	32.83 (27.31-38.79)	1.93 (1.55-2.4)	30.81 (25.1-37.46)	-0.48 (-0.66 to -0.3)
Zimbabwe	0.92 (0.7-1.36)	25.95 (20.13-37.57)	2.29 (1.66-3.38)	37.07 (27.36-55.38)	1.55 (1.21 to 1.89)

**Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic regions from 1990 to 2019 in 21 regions.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Andean Latin America	1990	0.942869	0.890741
Andean Latin America	1991	0.989165	0.932389
Andean Latin America	1992	1.02563	0.967065
Andean Latin America	1993	1.016962	0.958297
Andean Latin America	1994	1.061313	1.001181
Andean Latin America	1995	1.077537	1.019983
Andean Latin America	1996	1.032404	0.980159
Andean Latin America	1997	1.030348	0.978622
Andean Latin America	1998	1.022574	0.969425
Andean Latin America	1999	0.992515	0.940177

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Andean Latin America	2000	0.997206	0.943015
Andean Latin America	2001	0.947616	0.894712
Andean Latin America	2002	0.990555	0.931385
Andean Latin America	2003	1.019051	0.956351
Andean Latin America	2004	0.985019	0.922183
Andean Latin America	2005	0.978694	0.912562
Andean Latin America	2006	0.961884	0.892727
Andean Latin America	2007	0.945709	0.874394
Andean Latin America	2008	0.952065	0.876611
Andean Latin America	2009	0.97062	0.890118
Andean Latin America	2010	0.975539	0.890804
Andean Latin America	2011	0.970379	0.882799
Andean Latin America	2012	1.010809	0.91578

Andean Latin America	2013	1.013769	0.915689
Andean Latin America	2014	1.008176	0.908392
Andean Latin America	2015	1.003827	0.902681
Andean Latin America	2016	1.013695	0.90961
Andean Latin America	2017	1.021095	0.915073
Andean Latin America	2018	1.028281	0.920944
Andean Latin America	2019	1.042441	0.933531
Australasia	1990	1.256436	0.749952
Australasia	1991	1.251345	0.749596
Australasia	1992	1.221065	0.731598
Australasia	1993	1.197424	0.715706
Australasia	1994	1.184041	0.705074
Australasia	1995	1.189314	0.708414



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Australasia	1996	1.171815	0.699034
Australasia	1997	1.154972	0.694376
Australasia	1998	1.125176	0.679026
Australasia	1999	1.123	0.679313
Australasia	2000	1.107004	0.67342
Australasia	2001	1.092594	0.667626
Australasia	2002	1.09213	0.668502
Australasia	2003	1.073556	0.660159
Australasia	2004	1.093004	0.674235
Australasia	2005	1.109953	0.687767
Australasia	2006	1.11501	0.694533
Australasia	2007	1.119263	0.702944
Australasia	2008	1.12093	0.709291

Australasia	2009	1.12578	0.717931
Australasia	2010	1.119825	0.719347
Australasia	2011	1.110324	0.720219
Australasia	2012	1.102299	0.723081
Australasia	2013	1.092797	0.725804
Australasia	2014	1.087757	0.72868
Australasia	2015	1.082458	0.732461
Australasia	2016	1.075631	0.733734
Australasia	2017	1.056633	0.72804
Australasia	2018	1.040454	0.72481
Australasia	2019	1.025964	0.721186
Caribbean	1990	0.778203	0.705687
Caribbean	1991	0.789518	0.714482

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Caribbean	1992	0.790374	0.71231
Caribbean	1993	0.795133	0.714068
Caribbean	1994	0.794694	0.711298
Caribbean	1995	0.795712	0.709507
Caribbean	1996	0.799616	0.710759
Caribbean	1997	0.797003	0.706666
Caribbean	1998	0.795225	0.702657
Caribbean	1999	0.806613	0.710478
Caribbean	2000	0.84186	0.739455
Caribbean	2001	0.85681	0.751266
Caribbean	2002	0.865068	0.757623
Caribbean	2003	0.877107	0.766409
Caribbean	2004	0.894996	0.780393

Caribbean	2005	0.901407	0.785161
Caribbean	2006	0.90325	0.786336
Caribbean	2007	0.896328	0.779649
Caribbean	2008	0.888385	0.771347
Caribbean	2009	0.877739	0.760608
Caribbean	2010	0.902529	0.780843
Caribbean	2011	0.894764	0.774198
Caribbean	2012	0.897262	0.776873
Caribbean	2013	0.897109	0.776448
Caribbean	2014	0.895273	0.774364
Caribbean	2015	0.890096	0.769517
Caribbean	2016	0.888374	0.767038
Caribbean	2017	0.887092	0.764536

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Caribbean	2018	0.894349	0.768945
Caribbean	2019	0.900884	0.773334
Central Asia	1990	0.993776	0.730286
Central Asia	1991	0.991773	0.731194
Central Asia	1992	0.989487	0.735739
Central Asia	1993	0.982871	0.732542
Central Asia	1994	0.967481	0.724436
Central Asia	1995	0.953222	0.716344
Central Asia	1996	0.932845	0.703873
Central Asia	1997	0.939018	0.708663
Central Asia	1998	0.942864	0.711008
Central Asia	1999	0.93285	0.706787
Central Asia	2000	0.914752	0.697569

Central Asia	2001	0.90155	0.688619
Central Asia	2002	0.889552	0.67599
Central Asia	2003	0.880783	0.667315
Central Asia	2004	0.876683	0.667546
Central Asia	2005	0.878457	0.676155
Central Asia	2006	0.867182	0.670221
Central Asia	2007	0.861093	0.665534
Central Asia	2008	0.858393	0.661361
Central Asia	2009	0.865353	0.664304
Central Asia	2010	0.870146	0.66312
Central Asia	2011	0.864532	0.659123
Central Asia	2012	0.866978	0.660768
Central Asia	2013	0.863849	0.658662

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Central Asia	2014	0.851903	0.644534
Central Asia	2015	0.851577	0.639005
Central Asia	2016	0.849903	0.637999
Central Asia	2017	0.850543	0.637766
Central Asia	2018	0.846082	0.636936
Central Asia	2019	0.848602	0.64247
Central Europe	1990	0.955491	0.661719
Central Europe	1991	0.961364	0.663657
Central Europe	1992	0.957234	0.658579
Central Europe	1993	0.965166	0.660903
Central Europe	1994	0.966613	0.660389
Central Europe	1995	0.971466	0.661423
Central Europe	1996	0.979487	0.662808

Central Europe	1997	0.989711	0.667123
Central Europe	1998	0.99268	0.662612
Central Europe	1999	1.007421	0.665519
Central Europe	2000	1.009404	0.66032
Central Europe	2001	1.001136	0.650922
Central Europe	2002	0.99002	0.639423
Central Europe	2003	0.985822	0.633371
Central Europe	2004	0.987337	0.630977
Central Europe	2005	0.996463	0.635996
Central Europe	2006	1.012738	0.645361
Central Europe	2007	1.033613	0.65755
Central Europe	2008	1.022364	0.649222
Central Europe	2009	1.028734	0.651344



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Central Europe	2010	1.028359	0.649302
Central Europe	2011	1.026432	0.646255
Central Europe	2012	1.039093	0.651483
Central Europe	2013	1.047601	0.653682
Central Europe	2014	1.058371	0.659537
Central Europe	2015	1.069497	0.665303
Central Europe	2016	1.065577	0.663071
Central Europe	2017	1.059955	0.660605
Central Europe	2018	1.058167	0.660511
Central Europe	2019	1.056385	0.660778
Central Latin America	1990	0.977794	0.906047
Central Latin America	1991	0.960958	0.88965
Central Latin America	1992	0.96836	0.891993

Central Latin America	1993	0.96676	0.885486
Central Latin America	1994	0.960737	0.875372
Central Latin America	1995	0.974102	0.885237
Central Latin America	1996	0.980331	0.887809
Central Latin America	1997	0.986228	0.890212
Central Latin America	1998	0.984161	0.884764
Central Latin America	1999	0.993865	0.890436
Central Latin America	2000	0.974373	0.871688
Central Latin America	2001	0.977773	0.871958
Central Latin America	2002	0.955348	0.848128
Central Latin America	2003	0.953418	0.84444
Central Latin America	2004	0.949965	0.839949
Central Latin America	2005	0.94173	0.832021

Central Latin America	2006	0.929669	0.819435
Central Latin America	2007	0.928761	0.817536
Central Latin America	2008	0.913732	0.801903
Central Latin America	2009	0.918766	0.802136
Central Latin America	2010	0.932299	0.811422
Central Latin America	2011	0.923423	0.801163
Central Latin America	2012	0.916951	0.792063
Central Latin America	2013	0.906908	0.780367
Central Latin America	2014	0.915868	0.78579
Central Latin America	2015	0.904761	0.774169
Central Latin America	2016	0.894395	0.763281
Central Latin America	2017	0.878355	0.747275
Central Latin America	2018	0.879571	0.745725

Central Latin America	2019	0.873385	0.737332
Central Sub-Saharan Africa	1990	0.683461	0.582902
Central Sub-Saharan Africa	1991	0.694933	0.587758
Central Sub-Saharan Africa	1992	0.702424	0.589793
Central Sub-Saharan Africa	1993	0.714943	0.595657
Central Sub-Saharan Africa	1994	0.724653	0.59941
Central Sub-Saharan Africa	1995	0.732751	0.601448
Central Sub-Saharan Africa	1996	0.756166	0.614733
Central Sub-Saharan Africa	1997	0.757363	0.61014
Central Sub-Saharan Africa	1998	0.770799	0.615205
Central Sub-Saharan Africa	1999	0.783386	0.61934
Central Sub-Saharan Africa	2000	0.797995	0.624623
Central Sub-Saharan Africa	2001	0.813766	0.632481

Central Sub-Saharan Africa	2002	0.833085	0.642304
Central Sub-Saharan Africa	2003	0.848224	0.65191
Central Sub-Saharan Africa	2004	0.857761	0.656619
Central Sub-Saharan Africa	2005	0.863588	0.659505
Central Sub-Saharan Africa	2006	0.861856	0.658283
Central Sub-Saharan Africa	2007	0.855563	0.655166
Central Sub-Saharan Africa	2008	0.851145	0.653598
Central Sub-Saharan Africa	2009	0.845802	0.651726
Central Sub-Saharan Africa	2010	0.838533	0.647863
Central Sub-Saharan Africa	2011	0.83013	0.644303
Central Sub-Saharan Africa	2012	0.823208	0.641886
Central Sub-Saharan Africa	2013	0.81738	0.640355
Central Sub-Saharan Africa	2014	0.813554	0.640249

Central Sub-Saharan Africa	2015	0.81476	0.642448
Central Sub-Saharan Africa	2016	0.815014	0.646596
Central Sub-Saharan Africa	2017	0.815435	0.651542
Central Sub-Saharan Africa	2018	0.813046	0.653874
Central Sub-Saharan Africa	2019	0.812155	0.657802
East Asia	1990	0.978254	0.818335
East Asia	1991	0.969935	0.811948
East Asia	1992	0.969225	0.811294
East Asia	1993	0.975501	0.816535
East Asia	1994	0.983547	0.817634
East Asia	1995	0.970594	0.806198
East Asia	1996	0.968826	0.803903
East Asia	1997	0.972998	0.805497

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East Asia	1998	0.970348	0.796676
East Asia	1999	0.973644	0.800535
East Asia	2000	0.973907	0.806971
East Asia	2001	0.961738	0.796409
East Asia	2002	0.943917	0.783934
East Asia	2003	0.933697	0.779517
East Asia	2004	0.918842	0.76399
East Asia	2005	0.899777	0.742355
East Asia	2006	0.909001	0.745431
East Asia	2007	0.904869	0.737149
East Asia	2008	0.898908	0.729162
East Asia	2009	0.893633	0.720614
East Asia	2010	0.891647	0.714709

East Asia	2011	0.88997	0.706791
East Asia	2012	0.868837	0.683317
East Asia	2013	0.864019	0.674571
East Asia	2014	0.860397	0.670162
East Asia	2015	0.851087	0.659093
East Asia	2016	0.854883	0.658215
East Asia	2017	0.873032	0.671291
East Asia	2018	0.892832	0.68718
East Asia	2019	0.901698	0.691723
Eastern Europe	1990	1.23365	0.659579
Eastern Europe	1991	1.234032	0.661635
Eastern Europe	1992	1.179967	0.645697
Eastern Europe	1993	1.111938	0.629129



Eastern Europe	1994	1.083014	0.624362
Eastern Europe	1995	1.097775	0.626929
Eastern Europe	1996	1.136801	0.636876
Eastern Europe	1997	1.189719	0.652769
Eastern Europe	1998	1.200466	0.655556
Eastern Europe	1999	1.165156	0.646959
Eastern Europe	2000	1.133588	0.634773
Eastern Europe	2001	1.144775	0.639602
Eastern Europe	2002	1.145428	0.641292
Eastern Europe	2003	1.148307	0.645278
Eastern Europe	2004	1.147171	0.643072
Eastern Europe	2005	1.129964	0.635679
Eastern Europe	2006	1.160568	0.640647

Eastern Europe	2007	1.178074	0.645161
Eastern Europe	2008	1.173178	0.640809
Eastern Europe	2009	1.213267	0.652961
Eastern Europe	2010	1.216113	0.651057
Eastern Europe	2011	1.24856	0.661311
Eastern Europe	2012	1.26107	0.663132
Eastern Europe	2013	1.276739	0.668352
Eastern Europe	2014	1.282237	0.669976
Eastern Europe	2015	1.273576	0.668279
Eastern Europe	2016	1.293772	0.676652
Eastern Europe	2017	1.330071	0.693054
Eastern Europe	2018	1.325354	0.691408
Eastern Europe	2019	1.316541	0.688636

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Eastern Sub-Saharan Africa	1990	0.723735	0.659766
Eastern Sub-Saharan Africa	1991	0.716556	0.652735
Eastern Sub-Saharan Africa	1992	0.71224	0.648871
Eastern Sub-Saharan Africa	1993	0.705678	0.643593
Eastern Sub-Saharan Africa	1994	0.702762	0.640668
Eastern Sub-Saharan Africa	1995	0.698844	0.636628
Eastern Sub-Saharan Africa	1996	0.697362	0.635147
Eastern Sub-Saharan Africa	1997	0.698754	0.636152
Eastern Sub-Saharan Africa	1998	0.702868	0.639227
Eastern Sub-Saharan Africa	1999	0.705082	0.639977
Eastern Sub-Saharan Africa	2000	0.700715	0.635388
Eastern Sub-Saharan Africa	2001	0.699235	0.632593
Eastern Sub-Saharan Africa	2002	0.700728	0.632842

Eastern Sub-Saharan Africa	2003	0.702876	0.634288
Eastern Sub-Saharan Africa	2004	0.704983	0.635906
Eastern Sub-Saharan Africa	2005	0.708518	0.638477
Eastern Sub-Saharan Africa	2006	0.707323	0.63662
Eastern Sub-Saharan Africa	2007	0.705661	0.634556
Eastern Sub-Saharan Africa	2008	0.703491	0.632789
Eastern Sub-Saharan Africa	2009	0.706474	0.635204
Eastern Sub-Saharan Africa	2010	0.711105	0.639797
Eastern Sub-Saharan Africa	2011	0.718351	0.646421
Eastern Sub-Saharan Africa	2012	0.723635	0.651391
Eastern Sub-Saharan Africa	2013	0.730521	0.657747
Eastern Sub-Saharan Africa	2014	0.735582	0.663012
Eastern Sub-Saharan Africa	2015	0.741687	0.668864

Eastern Sub-Saharan Africa	2016	0.745789	0.673767
Eastern Sub-Saharan Africa	2017	0.752803	0.681804
Eastern Sub-Saharan Africa	2018	0.757852	0.687995
Eastern Sub-Saharan Africa	2019	0.762287	0.693751
High-income Asia Pacific	1990	1.039751	0.667137
High-income Asia Pacific	1991	1.043418	0.661266
High-income Asia Pacific	1992	1.054406	0.660081
High-income Asia Pacific	1993	1.065479	0.660206
High-income Asia Pacific	1994	1.074912	0.660328
High-income Asia Pacific	1995	1.08229	0.66066
High-income Asia Pacific	1996	1.099512	0.667777
High-income Asia Pacific	1997	1.103374	0.665346
High-income Asia Pacific	1998	1.090814	0.652463

High-income Asia Pacific	1999	1.080631	0.640419
High-income Asia Pacific	2000	1.077246	0.633324
High-income Asia Pacific	2001	1.078976	0.628989
High-income Asia Pacific	2002	1.083506	0.625751
High-income Asia Pacific	2003	1.079641	0.618161
High-income Asia Pacific	2004	1.086294	0.616881
High-income Asia Pacific	2005	1.078453	0.606349
High-income Asia Pacific	2006	1.085594	0.604766
High-income Asia Pacific	2007	1.076784	0.596348
High-income Asia Pacific	2008	1.064816	0.586519
High-income Asia Pacific	2009	1.046166	0.57464
High-income Asia Pacific	2010	1.038285	0.567576
High-income Asia Pacific	2011	1.055017	0.574227

High-income Asia Pacific	2012	1.065024	0.578891
High-income Asia Pacific	2013	1.07446	0.584658
High-income Asia Pacific	2014	1.080257	0.589475
High-income Asia Pacific	2015	1.084531	0.590498
High-income Asia Pacific	2016	1.093062	0.595518
High-income Asia Pacific	2017	1.092684	0.597114
High-income Asia Pacific	2018	1.106932	0.607797
High-income Asia Pacific	2019	1.109359	0.612461
High-income North America	1990	1.118132	0.672668
High-income North America	1991	1.117006	0.672201
High-income North America	1992	1.115077	0.671045
High-income North America	1993	1.113464	0.670112
High-income North America	1994	1.122594	0.675419

High-income North America	1995	1.124872	0.677823
High-income North America	1996	1.141051	0.688329
High-income North America	1997	1.152169	0.697537
High-income North America	1998	1.158742	0.704401
High-income North America	1999	1.166107	0.713378
High-income North America	2000	1.177151	0.724467
High-income North America	2001	1.177024	0.729607
High-income North America	2002	1.16057	0.723799
High-income North America	2003	1.151264	0.723251
High-income North America	2004	1.157041	0.731177
High-income North America	2005	1.157996	0.736166
High-income North America	2006	1.168287	0.747508
High-income North America	2007	1.174861	0.756554



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High-income North America	2008	1.157709	0.751119
High-income North America	2009	1.138461	0.745004
High-income North America	2010	1.115781	0.735584
High-income North America	2011	1.103844	0.734535
High-income North America	2012	1.083181	0.727639
High-income North America	2013	1.057522	0.717919
High-income North America	2014	1.05067	0.720224
High-income North America	2015	1.041592	0.720859
High-income North America	2016	1.023499	0.715467
High-income North America	2017	1.003664	0.707465
High-income North America	2018	0.977158	0.692149
High-income North America	2019	0.996235	0.70587
North Africa and Middle East	1990	0.992053	0.929902

North Africa and Middle East	1991	0.999587	0.945749
North Africa and Middle East	1992	0.9933	0.945798
North Africa and Middle East	1993	0.991348	0.94837
North Africa and Middle East	1994	0.994314	0.95637
North Africa and Middle East	1995	0.992249	0.956899
North Africa and Middle East	1996	0.997432	0.963296
North Africa and Middle East	1997	0.988848	0.952588
North Africa and Middle East	1998	0.984311	0.946822
North Africa and Middle East	1999	0.989991	0.956975
North Africa and Middle East	2000	0.99719	0.973325
North Africa and Middle East	2001	0.988859	0.958619
North Africa and Middle East	2002	0.972092	0.932539
North Africa and Middle East	2003	0.965162	0.921957

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North Africa and Middle East	2004	0.972897	0.926071
North Africa and Middle East	2005	0.989718	0.947247
North Africa and Middle East	2006	1.004557	0.974732
North Africa and Middle East	2007	1.01095	0.99362
North Africa and Middle East	2008	1.017714	1.012304
North Africa and Middle East	2009	1.015727	1.017749
North Africa and Middle East	2010	1.014014	1.01966
North Africa and Middle East	2011	1.001629	1.011346
North Africa and Middle East	2012	1.002972	1.013633
North Africa and Middle East	2013	0.984389	0.993935
North Africa and Middle East	2014	0.990925	1.001141
North Africa and Middle East	2015	1.002549	1.012016
North Africa and Middle East	2016	1.010398	1.021392

North Africa and Middle East	2017	1.014892	1.02737
North Africa and Middle East	2018	1.018101	1.032525
North Africa and Middle East	2019	1.017794	1.032346
Oceania	1990	0.714981	0.712764
Oceania	1991	0.713966	0.709276
Oceania	1992	0.715391	0.707661
Oceania	1993	0.716127	0.705628
Oceania	1994	0.717851	0.704957
Oceania	1995	0.720437	0.708679
Oceania	1996	0.728436	0.718749
Oceania	1997	0.73471	0.724774
Oceania	1998	0.74027	0.731
Oceania	1999	0.740747	0.73015

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Oceania	2000	0.739459	0.729167
Oceania	2001	0.732115	0.724288
Oceania	2002	0.737227	0.727466
Oceania	2003	0.745093	0.73641
Oceania	2004	0.743631	0.734994
Oceania	2005	0.727771	0.719476
Oceania	2006	0.721573	0.712822
Oceania	2007	0.715807	0.705716
Oceania	2008	0.711278	0.705836
Oceania	2009	0.708497	0.704765
Oceania	2010	0.697016	0.695086
Oceania	2011	0.685978	0.686528
Oceania	2012	0.677235	0.68009

Oceania	2013	0.672653	0.677716
Oceania	2014	0.668907	0.674571
Oceania	2015	0.668124	0.67487
Oceania	2016	0.667828	0.674982
Oceania	2017	0.664246	0.672026
Oceania	2018	0.659172	0.669561
Oceania	2019	0.660332	0.672439
South Asia	1990	0.66507	0.698583
South Asia	1991	0.661937	0.69396
South Asia	1992	0.675911	0.704971
South Asia	1993	0.671216	0.699226
South Asia	1994	0.670005	0.695142
South Asia	1995	0.673903	0.695892

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South Asia	1996	0.673456	0.689668
South Asia	1997	0.675591	0.688244
South Asia	1998	0.68373	0.697407
South Asia	1999	0.682567	0.698546
South Asia	2000	0.669169	0.681507
South Asia	2001	0.669284	0.679742
South Asia	2002	0.667592	0.676094
South Asia	2003	0.654533	0.65867
South Asia	2004	0.648943	0.64878
South Asia	2005	0.646784	0.643141
South Asia	2006	0.64926	0.645759
South Asia	2007	0.650865	0.646551
South Asia	2008	0.644718	0.637315

South Asia	2009	0.648902	0.634807
South Asia	2010	0.661674	0.639831
South Asia	2011	0.666136	0.642593
South Asia	2012	0.677551	0.653581
South Asia	2013	0.700175	0.664938
South Asia	2014	0.725503	0.679458
South Asia	2015	0.75062	0.703432
South Asia	2016	0.752504	0.708796
South Asia	2017	0.754074	0.711262
South Asia	2018	0.755202	0.708314
South Asia	2019	0.759717	0.712613
Southeast Asia	1990	0.996027	0.865118
Southeast Asia	1991	0.986435	0.857618



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Southeast Asia	1992	0.979521	0.851068
Southeast Asia	1993	0.975002	0.847726
Southeast Asia	1994	0.966841	0.841815
Southeast Asia	1995	0.959653	0.8355
Southeast Asia	1996	0.958879	0.833157
Southeast Asia	1997	0.967228	0.835268
Southeast Asia	1998	0.968374	0.828115
Southeast Asia	1999	0.974419	0.832331
Southeast Asia	2000	0.982661	0.837888
Southeast Asia	2001	0.989978	0.845043
Southeast Asia	2002	1.00304	0.857111
Southeast Asia	2003	1.00702	0.86077
Southeast Asia	2004	1.010903	0.865647

Southeast Asia	2005	1.009594	0.864883
Southeast Asia	2006	1.006894	0.863283
Southeast Asia	2007	1.004802	0.862165
Southeast Asia	2008	0.998931	0.857502
Southeast Asia	2009	0.993168	0.853077
Southeast Asia	2010	0.985052	0.846161
Southeast Asia	2011	0.972286	0.836049
Southeast Asia	2012	0.961676	0.827129
Southeast Asia	2013	0.957614	0.824501
Southeast Asia	2014	0.947844	0.816169
Southeast Asia	2015	0.944072	0.811403
Southeast Asia	2016	0.944548	0.810911
Southeast Asia	2017	0.954061	0.817224

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Southeast Asia	2018	0.963672	0.823881
Southeast Asia	2019	0.970656	0.827904
Southern Latin America	1990	0.836852	0.615026
Southern Latin America	1991	0.840997	0.616255
Southern Latin America	1992	0.838523	0.611796
Southern Latin America	1993	0.846781	0.613563
Southern Latin America	1994	0.858913	0.620038
Southern Latin America	1995	0.870687	0.623389
Southern Latin America	1996	0.877568	0.623542
Southern Latin America	1997	0.900245	0.635494
Southern Latin America	1998	0.924286	0.646916
Southern Latin America	1999	0.940666	0.653284
Southern Latin America	2000	0.951995	0.657239

Southern Latin America	2001	0.954878	0.65674
Southern Latin America	2002	0.947038	0.648019
Southern Latin America	2003	0.954421	0.648565
Southern Latin America	2004	0.958557	0.647573
Southern Latin America	2005	0.957894	0.645642
Southern Latin America	2006	0.968127	0.651186
Southern Latin America	2007	0.96893	0.649748
Southern Latin America	2008	0.980789	0.657073
Southern Latin America	2009	0.982553	0.65619
Southern Latin America	2010	0.995161	0.660136
Southern Latin America	2011	1.000659	0.661048
Southern Latin America	2012	0.997452	0.658189
Southern Latin America	2013	1.004457	0.661778

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Southern Latin America	2014	1.008837	0.663532
Southern Latin America	2015	1.005479	0.661634
Southern Latin America	2016	0.998337	0.657825
Southern Latin America	2017	0.994391	0.65736
Southern Latin America	2018	0.995722	0.662491
Southern Latin America	2019	0.992334	0.66318
Southern Sub-Saharan Africa	1990	0.799727	0.566804
Southern Sub-Saharan Africa	1991	0.776829	0.54927
Southern Sub-Saharan Africa	1992	0.820106	0.577714
Southern Sub-Saharan Africa	1993	0.774803	0.54824
Southern Sub-Saharan Africa	1994	0.788186	0.555732
Southern Sub-Saharan Africa	1995	0.709621	0.502163
Southern Sub-Saharan Africa	1996	0.706395	0.498609

Southern Sub-Saharan Africa	1997	0.742709	0.519068
Southern Sub-Saharan Africa	1998	0.733636	0.510162
Southern Sub-Saharan Africa	1999	0.753431	0.518147
Southern Sub-Saharan Africa	2000	0.778592	0.53112
Southern Sub-Saharan Africa	2001	0.780906	0.52916
Southern Sub-Saharan Africa	2002	0.791602	0.532937
Southern Sub-Saharan Africa	2003	0.798728	0.534572
Southern Sub-Saharan Africa	2004	0.802828	0.536106
Southern Sub-Saharan Africa	2005	0.800053	0.534634
Southern Sub-Saharan Africa	2006	0.805583	0.537221
Southern Sub-Saharan Africa	2007	0.802574	0.536309
Southern Sub-Saharan Africa	2008	0.807065	0.539654
Southern Sub-Saharan Africa	2009	0.812728	0.542922

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Southern Sub-Saharan Africa	2010	0.815654	0.542544
Southern Sub-Saharan Africa	2011	0.825888	0.547379
Southern Sub-Saharan Africa	2012	0.83456	0.554376
Southern Sub-Saharan Africa	2013	0.843888	0.56142
Southern Sub-Saharan Africa	2014	0.858826	0.572506
Southern Sub-Saharan Africa	2015	0.861626	0.576232
Southern Sub-Saharan Africa	2016	0.862458	0.57647
Southern Sub-Saharan Africa	2017	0.850199	0.571158
Southern Sub-Saharan Africa	2018	0.834525	0.564877
Southern Sub-Saharan Africa	2019	0.832604	0.566608
Tropical Latin America	1990	0.868384	0.734218
Tropical Latin America	1991	0.871664	0.732863
Tropical Latin America	1992	0.872822	0.730195

Tropical Latin America	1993	0.870659	0.725086
Tropical Latin America	1994	0.872989	0.725556
Tropical Latin America	1995	0.8882	0.736898
Tropical Latin America	1996	0.90161	0.748706
Tropical Latin America	1997	0.912623	0.755214
Tropical Latin America	1998	0.915054	0.754469
Tropical Latin America	1999	0.919973	0.756125
Tropical Latin America	2000	0.92274	0.755265
Tropical Latin America	2001	0.92301	0.75235
Tropical Latin America	2002	0.925579	0.750251
Tropical Latin America	2003	0.914222	0.737044
Tropical Latin America	2004	0.908803	0.729144
Tropical Latin America	2005	0.909014	0.726955



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Tropical Latin America	2006	0.914548	0.728219
Tropical Latin America	2007	0.91622	0.726039
Tropical Latin America	2008	0.918839	0.724886
Tropical Latin America	2009	0.924596	0.725983
Tropical Latin America	2010	0.927897	0.724711
Tropical Latin America	2011	0.927844	0.721599
Tropical Latin America	2012	0.930201	0.720433
Tropical Latin America	2013	0.92795	0.715936
Tropical Latin America	2014	0.925154	0.711512
Tropical Latin America	2015	0.925393	0.70904
Tropical Latin America	2016	0.917662	0.700946
Tropical Latin America	2017	0.92015	0.701317
Tropical Latin America	2018	0.927136	0.707273

Tropical Latin America	2019	0.922426	0.703827
Western Europe	1990	1.187221	0.636881
Western Europe	1991	1.17978	0.631171
Western Europe	1992	1.179064	0.629347
Western Europe	1993	1.181449	0.629072
Western Europe	1994	1.189826	0.632836
Western Europe	1995	1.191172	0.631937
Western Europe	1996	1.195132	0.632473
Western Europe	1997	1.206631	0.637573
Western Europe	1998	1.213062	0.641914
Western Europe	1999	1.216683	0.643583
Western Europe	2000	1.234761	0.651178
Western Europe	2001	1.2483	0.658031

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Western Europe	2002	1.257153	0.663607
Western Europe	2003	1.260606	0.667379
Western Europe	2004	1.27021	0.674738
Western Europe	2005	1.276144	0.679276
Western Europe	2006	1.279993	0.683381
Western Europe	2007	1.283076	0.68944
Western Europe	2008	1.289726	0.697937
Western Europe	2009	1.287437	0.701796
Western Europe	2010	1.288567	0.70405
Western Europe	2011	1.303959	0.711458
Western Europe	2012	1.310276	0.715725
Western Europe	2013	1.313979	0.720856
Western Europe	2014	1.317178	0.725604

Western Europe	2015	1.310931	0.726156
Western Europe	2016	1.310262	0.730428
Western Europe	2017	1.285904	0.726461
Western Europe	2018	1.279483	0.731767
Western Europe	2019	1.263779	0.731772
Western Sub-Saharan Africa	1990	0.943231	0.876176
Western Sub-Saharan Africa	1991	0.93766	0.874746
Western Sub-Saharan Africa	1992	0.931574	0.874356
Western Sub-Saharan Africa	1993	0.922468	0.87055
Western Sub-Saharan Africa	1994	0.915253	0.867589
Western Sub-Saharan Africa	1995	0.906125	0.861331
Western Sub-Saharan Africa	1996	0.896934	0.855647
Western Sub-Saharan Africa	1997	0.893333	0.854683

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Western Sub-Saharan Africa	1998	0.884804	0.84926
Western Sub-Saharan Africa	1999	0.870291	0.83736
Western Sub-Saharan Africa	2000	0.86047	0.828306
Western Sub-Saharan Africa	2001	0.852357	0.822349
Western Sub-Saharan Africa	2002	0.846533	0.817614
Western Sub-Saharan Africa	2003	0.839041	0.812645
Western Sub-Saharan Africa	2004	0.830404	0.80605
Western Sub-Saharan Africa	2005	0.822259	0.798324
Western Sub-Saharan Africa	2006	0.817552	0.793607
Western Sub-Saharan Africa	2007	0.812308	0.787728
Western Sub-Saharan Africa	2008	0.805224	0.779451
Western Sub-Saharan Africa	2009	0.79906	0.771461
Western Sub-Saharan Africa	2010	0.794901	0.76539

Western Sub-Saharan Africa	2011	0.793234	0.761174
Western Sub-Saharan Africa	2012	0.793325	0.757741
Western Sub-Saharan Africa	2013	0.790147	0.750627
Western Sub-Saharan Africa	2014	0.79643	0.752517
Western Sub-Saharan Africa	2015	0.804319	0.755615
Western Sub-Saharan Africa	2016	0.812327	0.759468
Western Sub-Saharan Africa	2017	0.822265	0.764697
Western Sub-Saharan Africa	2018	0.830106	0.768468
Western Sub-Saharan Africa	2019	0.839655	0.773633

**Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries and territories from 1990 to 2019 in 204 countries.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Afghanistan	1990	0.961218	0.963112
Afghanistan	1991	0.961054	0.95357
Afghanistan	1992	0.957648	0.93756
Afghanistan	1993	0.960475	0.930057
Afghanistan	1994	0.965727	0.927966
Afghanistan	1995	0.967031	0.922941
Afghanistan	1996	0.96932	0.918637
Afghanistan	1997	0.969684	0.912595
Afghanistan	1998	0.972555	0.909395
Afghanistan	1999	0.980011	0.90888
Afghanistan	2000	0.985626	0.909379
Afghanistan	2001	0.993832	0.910933
Afghanistan	2002	1.000351	0.912563
Afghanistan	2003	1.015199	0.919405
Afghanistan	2004	1.036288	0.930023
Afghanistan	2005	1.050515	0.939235
Afghanistan	2006	1.060058	0.943996
Afghanistan	2007	1.06658	0.947329
Afghanistan	2008	1.078541	0.954077
Afghanistan	2009	1.09462	0.962852
Afghanistan	2010	1.110446	0.974819

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5	Afghanistan	2011	1.121862	0.982551
6	Afghanistan	2012	1.126085	0.985505
7	Afghanistan	2013	1.135187	0.991014
8	Afghanistan	2014	1.143462	0.994594
9	Afghanistan	2015	1.148955	1.000242
10	Afghanistan	2016	1.158044	1.008886
11	Afghanistan	2017	1.170556	1.019302
12	Afghanistan	2018	1.180678	1.02524
13	Afghanistan	2019	1.191846	1.032065
14	Albania	1990	0.80288	0.611067
15	Albania	1991	0.824545	0.633067
16	Albania	1992	0.847876	0.64608
17	Albania	1993	0.8389	0.634173
18	Albania	1994	0.851827	0.63936
19	Albania	1995	0.863218	0.645539
20	Albania	1996	0.835124	0.620725
21	Albania	1997	0.820214	0.614118
22	Albania	1998	0.796342	0.603217
23	Albania	1999	0.836725	0.632571
24	Albania	2000	0.801031	0.607676
25	Albania	2001	0.800875	0.612752
26	Albania	2002	0.818988	0.631664
27	Albania	2003	0.829379	0.645643
28	Albania	2004	0.814148	0.640171
29	Albania	2005	0.844958	0.66871
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Albania	2006	0.861627	0.685951
Albania	2007	0.878193	0.701901
Albania	2008	0.873395	0.701159
Albania	2009	0.851996	0.687584
Albania	2010	0.836195	0.676588
Albania	2011	0.829811	0.676367
Albania	2012	0.835089	0.683686
Albania	2013	0.835903	0.687582
Albania	2014	0.819922	0.678315
Albania	2015	0.807743	0.670891
Albania	2016	0.816522	0.677372
Albania	2017	0.824754	0.682594
Albania	2018	0.833083	0.687361
Albania	2019	0.84051	0.691033
Algeria	1990	1.109457	1.137995
Algeria	1991	1.109573	1.103907
Algeria	1992	1.104276	1.086803
Algeria	1993	1.099944	1.074033
Algeria	1994	1.107022	1.066426
Algeria	1995	1.109373	1.065159
Algeria	1996	1.112722	1.065549
Algeria	1997	1.105399	1.055999
Algeria	1998	1.093316	1.043813
Algeria	1999	1.103667	1.053381
Algeria	2000	1.110872	1.065961

Algeria	2001	1.113195	1.075515
Algeria	2002	1.11772	1.088375
Algeria	2003	1.119067	1.111271
Algeria	2004	1.136506	1.142565
Algeria	2005	1.14715	1.169811
Algeria	2006	1.15201	1.190973
Algeria	2007	1.155168	1.209171
Algeria	2008	1.15859	1.228457
Algeria	2009	1.163619	1.248209
Algeria	2010	1.177218	1.286784
Algeria	2011	1.186641	1.312148
Algeria	2012	1.189601	1.324703
Algeria	2013	1.204505	1.349103
Algeria	2014	1.219508	1.372427
Algeria	2015	1.223912	1.38569
Algeria	2016	1.212958	1.379575
Algeria	2017	1.211995	1.380939
Algeria	2018	1.241531	1.414697
Algeria	2019	1.249033	1.426351
American Samoa	1990	0.612611	0.596702
American Samoa	1991	0.61697	0.598437
American Samoa	1992	0.631844	0.608174
American Samoa	1993	0.653989	0.623514
American Samoa	1994	0.681528	0.645433
American Samoa	1995	0.704734	0.662102

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American Samoa	1996	0.730556	0.680042
American Samoa	1997	0.750686	0.692616
American Samoa	1998	0.768062	0.702708
American Samoa	1999	0.803672	0.728942
American Samoa	2000	0.82894	0.746903
American Samoa	2001	0.858097	0.770038
American Samoa	2002	0.853244	0.762156
American Samoa	2003	0.879136	0.781717
American Samoa	2004	0.893409	0.791329
American Samoa	2005	0.864685	0.762067
American Samoa	2006	0.856831	0.751596
American Samoa	2007	0.840159	0.734654
American Samoa	2008	0.82017	0.71572
American Samoa	2009	0.807269	0.703181
American Samoa	2010	0.797999	0.692814
American Samoa	2011	0.806261	0.69851
American Samoa	2012	0.825197	0.714836
American Samoa	2013	0.829821	0.719759
American Samoa	2014	0.829493	0.720731
American Samoa	2015	0.835253	0.726995
American Samoa	2016	0.834591	0.726271
American Samoa	2017	0.83428	0.726919
American Samoa	2018	0.833313	0.727019
American Samoa	2019	0.832801	0.72741
Andorra	1990	0.788861	0.729791

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5	Andorra	1991	0.777657	0.721833
6	Andorra	1992	0.786613	0.72433
7	Andorra	1993	0.799267	0.736144
8	Andorra	1994	0.822512	0.748494
9	Andorra	1995	0.815241	0.73957
10	Andorra	1996	0.812205	0.734919
11	Andorra	1997	0.819344	0.731837
12	Andorra	1998	0.822769	0.728802
13	Andorra	1999	0.83361	0.726268
14	Andorra	2000	0.838352	0.725112
15	Andorra	2001	0.84257	0.723152
16	Andorra	2002	0.857376	0.721192
17	Andorra	2003	0.855856	0.717126
18	Andorra	2004	0.880115	0.725276
19	Andorra	2005	0.88978	0.727032
20	Andorra	2006	0.905426	0.732969
21	Andorra	2007	0.920575	0.73044
22	Andorra	2008	0.930871	0.739732
23	Andorra	2009	0.966364	0.755799
24	Andorra	2010	0.984365	0.766113
25	Andorra	2011	1.019081	0.772799
26	Andorra	2012	1.070344	0.791319
27	Andorra	2013	1.089581	0.811453
28	Andorra	2014	1.126724	0.832771
29	Andorra	2015	1.162229	0.859118
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5	Andorra	2016	1.164998	0.860014
6	Andorra	2017	1.180541	0.862883
7	Andorra	2018	1.169541	0.866757
8	Andorra	2019	1.178874	0.871085
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10	Angola	1990	0.537106	0.457811
11	Angola	1991	0.544217	0.460671
12	Angola	1992	0.551135	0.46428
13	Angola	1993	0.559343	0.468348
14	Angola	1994	0.567008	0.47207
15	Angola	1995	0.57392	0.474355
16	Angola	1996	0.582053	0.476191
17	Angola	1997	0.592023	0.480883
18	Angola	1998	0.602272	0.487081
19	Angola	1999	0.616042	0.494658
20	Angola	2000	0.625475	0.49915
21	Angola	2001	0.625067	0.497084
22	Angola	2002	0.651311	0.513815
23	Angola	2003	0.668571	0.527179
24	Angola	2004	0.671047	0.528362
25	Angola	2005	0.66996	0.528374
26	Angola	2006	0.653598	0.518225
27	Angola	2007	0.639537	0.508693
28	Angola	2008	0.641562	0.510323
29	Angola	2009	0.636395	0.509296
30	Angola	2010	0.633737	0.507852
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Angola	2011	0.627955	0.505033
Angola	2012	0.619494	0.500108
Angola	2013	0.615684	0.497491
Angola	2014	0.611861	0.494839
Angola	2015	0.618424	0.500956
Angola	2016	0.629456	0.509579
Angola	2017	0.635562	0.517839
Angola	2018	0.641232	0.523674
Angola	2019	0.647501	0.530396
Antigua and Barbuda	1990	0.666514	0.446543
Antigua and Barbuda	1991	0.715685	0.478107
Antigua and Barbuda	1992	0.714282	0.479608
Antigua and Barbuda	1993	0.732266	0.493697
Antigua and Barbuda	1994	0.736436	0.499464
Antigua and Barbuda	1995	0.737658	0.502559
Antigua and Barbuda	1996	0.834084	0.578888
Antigua and Barbuda	1997	0.849233	0.599587
Antigua and Barbuda	1998	0.856383	0.615655
Antigua and Barbuda	1999	0.86549	0.631337
Antigua and Barbuda	2000	0.88497	0.654818
Antigua and Barbuda	2001	0.922952	0.693046
Antigua and Barbuda	2002	0.937509	0.716928
Antigua and Barbuda	2003	0.931884	0.725553
Antigua and Barbuda	2004	0.928461	0.73322
Antigua and Barbuda	2005	0.915143	0.734142

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5	Antigua and Barbuda	2006	0.886643	0.717462
6	Antigua and Barbuda	2007	0.737094	0.586594
7	Antigua and Barbuda	2008	0.740284	0.585623
8	Antigua and Barbuda	2009	0.834307	0.66124
9	Antigua and Barbuda	2010	0.855069	0.67682
10	Antigua and Barbuda	2011	0.878277	0.69395
11	Antigua and Barbuda	2012	0.910791	0.720486
12	Antigua and Barbuda	2013	0.946769	0.754748
13	Antigua and Barbuda	2014	0.946533	0.756041
14	Antigua and Barbuda	2015	0.944465	0.754486
15	Antigua and Barbuda	2016	0.949086	0.759164
16	Antigua and Barbuda	2017	0.961636	0.775668
17	Antigua and Barbuda	2018	0.955232	0.775363
18	Antigua and Barbuda	2019	0.938257	0.764103
19	Argentina	1990	0.816301	0.592396
20	Argentina	1991	0.81505	0.589561
21	Argentina	1992	0.809108	0.582187
22	Argentina	1993	0.820178	0.585302
23	Argentina	1994	0.835615	0.593134
24	Argentina	1995	0.852727	0.599872
25	Argentina	1996	0.864933	0.604446
26	Argentina	1997	0.887958	0.615809
27	Argentina	1998	0.911821	0.626255
28	Argentina	1999	0.926667	0.630847
29	Argentina	2000	0.937797	0.633938
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5	Argentina	2001	0.936522	0.629952
6	Argentina	2002	0.926919	0.620389
7	Argentina	2003	0.93253	0.619629
8	Argentina	2004	0.932059	0.61577
9	Argentina	2005	0.927467	0.611552
10	Argentina	2006	0.939197	0.617824
11	Argentina	2007	0.941492	0.617118
12	Argentina	2008	0.95441	0.62448
13	Argentina	2009	0.959719	0.625646
14	Argentina	2010	0.973276	0.629635
15	Argentina	2011	0.975477	0.628524
16	Argentina	2012	0.967782	0.622803
17	Argentina	2013	0.976495	0.626864
18	Argentina	2014	0.98453	0.630903
19	Argentina	2015	0.977509	0.626764
20	Argentina	2016	0.966372	0.620702
21	Argentina	2017	0.958121	0.617106
22	Argentina	2018	0.958598	0.622691
23	Argentina	2019	0.954191	0.623212
24	Armenia	1990	0.780068	0.518728
25	Armenia	1991	0.765191	0.508548
26	Armenia	1992	0.777493	0.518524
27	Armenia	1993	0.769502	0.514966
28	Armenia	1994	0.767158	0.520619
29	Armenia	1995	0.837447	0.570209
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Armenia	1996	0.883948	0.61161
Armenia	1997	0.932501	0.658905
Armenia	1998	0.992186	0.709891
Armenia	1999	0.977642	0.704145
Armenia	2000	0.989377	0.713448
Armenia	2001	0.993407	0.722184
Armenia	2002	0.975439	0.707534
Armenia	2003	0.984779	0.705606
Armenia	2004	0.973642	0.687817
Armenia	2005	0.955851	0.670541
Armenia	2006	0.928028	0.650275
Armenia	2007	1.000884	0.697835
Armenia	2008	0.930024	0.654575
Armenia	2009	0.907739	0.639381
Armenia	2010	0.891967	0.618215
Armenia	2011	0.858252	0.593996
Armenia	2012	0.895746	0.620641
Armenia	2013	0.90243	0.62339
Armenia	2014	0.879924	0.604729
Armenia	2015	0.827098	0.568261
Armenia	2016	0.836569	0.574202
Armenia	2017	0.838073	0.573061
Armenia	2018	0.837492	0.569781
Armenia	2019	0.833053	0.566864
Australia	1990	1.294494	0.755478

Australia	1991	1.288997	0.756474
Australia	1992	1.268926	0.745579
Australia	1993	1.241153	0.728202
Australia	1994	1.226829	0.71809
Australia	1995	1.231699	0.722381
Australia	1996	1.205226	0.709841
Australia	1997	1.191066	0.708118
Australia	1998	1.152601	0.688628
Australia	1999	1.152189	0.689831
Australia	2000	1.138176	0.683865
Australia	2001	1.12561	0.679441
Australia	2002	1.117703	0.674985
Australia	2003	1.095849	0.664528
Australia	2004	1.115103	0.677657
Australia	2005	1.135883	0.692902
Australia	2006	1.143659	0.700868
Australia	2007	1.154737	0.713041
Australia	2008	1.155029	0.717956
Australia	2009	1.164055	0.73019
Australia	2010	1.152713	0.728706
Australia	2011	1.141979	0.729099
Australia	2012	1.137162	0.734577
Australia	2013	1.125903	0.736751
Australia	2014	1.120436	0.740431
Australia	2015	1.10876	0.740356

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Australia	2016	1.102751	0.742331
Australia	2017	1.080546	0.734664
Australia	2018	1.068638	0.734484
Australia	2019	1.053569	0.730815
Austria	1990	1.516235	0.715717
Austria	1991	1.500515	0.705711
Austria	1992	1.491132	0.697389
Austria	1993	1.491922	0.696126
Austria	1994	1.498083	0.695299
Austria	1995	1.517538	0.698785
Austria	1996	1.50472	0.689712
Austria	1997	1.501237	0.682791
Austria	1998	1.494367	0.680545
Austria	1999	1.525297	0.695688
Austria	2000	1.552982	0.710282
Austria	2001	1.556454	0.717181
Austria	2002	1.552057	0.722238
Austria	2003	1.575332	0.743031
Austria	2004	1.543781	0.734121
Austria	2005	1.566323	0.744065
Austria	2006	1.565154	0.746048
Austria	2007	1.574945	0.754747
Austria	2008	1.579287	0.761531
Austria	2009	1.5496	0.756153
Austria	2010	1.565489	0.765797

Austria	2011	1.588252	0.779744
Austria	2012	1.601134	0.789644
Austria	2013	1.61478	0.803998
Austria	2014	1.618171	0.816704
Austria	2015	1.585412	0.805686
Austria	2016	1.587994	0.814803
Austria	2017	1.567843	0.81588
Austria	2018	1.545369	0.82056
Austria	2019	1.510565	0.817641
Azerbaijan	1990	0.884919	0.65096
Azerbaijan	1991	0.863564	0.647523
Azerbaijan	1992	0.804415	0.631196
Azerbaijan	1993	0.807115	0.640708
Azerbaijan	1994	0.824097	0.657869
Azerbaijan	1995	0.899597	0.689805
Azerbaijan	1996	0.926688	0.699384
Azerbaijan	1997	0.933708	0.708992
Azerbaijan	1998	0.951881	0.72596
Azerbaijan	1999	0.959192	0.7351
Azerbaijan	2000	0.953873	0.735509
Azerbaijan	2001	0.94505	0.732781
Azerbaijan	2002	0.929063	0.726587
Azerbaijan	2003	0.922196	0.729547
Azerbaijan	2004	0.911869	0.736815
Azerbaijan	2005	0.903185	0.741571

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Azerbaijan	2006	0.897948	0.739822
Azerbaijan	2007	0.893294	0.736339
Azerbaijan	2008	0.88655	0.739216
Azerbaijan	2009	0.895969	0.749957
Azerbaijan	2010	0.897182	0.756723
Azerbaijan	2011	0.886579	0.749297
Azerbaijan	2012	0.889392	0.748078
Azerbaijan	2013	0.896214	0.759684
Azerbaijan	2014	0.915751	0.771163
Azerbaijan	2015	0.928454	0.781904
Azerbaijan	2016	0.941756	0.786452
Azerbaijan	2017	0.948794	0.792003
Azerbaijan	2018	0.959219	0.807247
Azerbaijan	2019	0.964069	0.81359
Bahamas	1990	0.86923	0.637024
Bahamas	1991	0.873246	0.641249
Bahamas	1992	0.886863	0.654543
Bahamas	1993	0.874838	0.651853
Bahamas	1994	0.865065	0.646329
Bahamas	1995	0.858317	0.644723
Bahamas	1996	0.882475	0.662296
Bahamas	1997	0.890227	0.668356
Bahamas	1998	0.896911	0.667434
Bahamas	1999	0.913152	0.670192
Bahamas	2000	0.946792	0.688855

Bahamas	2001	0.933287	0.683256
Bahamas	2002	0.961431	0.708425
Bahamas	2003	0.980276	0.723078
Bahamas	2004	0.969473	0.729096
Bahamas	2005	0.976416	0.747939
Bahamas	2006	0.965569	0.746845
Bahamas	2007	0.959604	0.750593
Bahamas	2008	0.937636	0.735607
Bahamas	2009	0.95849	0.756095
Bahamas	2010	0.962004	0.755122
Bahamas	2011	0.94786	0.745734
Bahamas	2012	0.940035	0.743227
Bahamas	2013	0.993174	0.800607
Bahamas	2014	0.966604	0.786467
Bahamas	2015	0.93935	0.758471
Bahamas	2016	0.934359	0.754261
Bahamas	2017	0.929223	0.75145
Bahamas	2018	0.912342	0.733095
Bahamas	2019	0.901126	0.718165
Bahrain	1990	0.96846	1.011246
Bahrain	1991	0.955936	0.993367
Bahrain	1992	0.958204	1.008735
Bahrain	1993	0.960542	1.032361
Bahrain	1994	0.914769	0.98154
Bahrain	1995	0.867259	0.918159

Bahrain	1996	0.880086	0.927939
Bahrain	1997	0.841479	0.867421
Bahrain	1998	0.897658	0.909906
Bahrain	1999	0.990692	1.012986
Bahrain	2000	0.997978	1.079099
Bahrain	2001	0.962072	1.099497
Bahrain	2002	0.944778	1.025992
Bahrain	2003	0.88681	0.932096
Bahrain	2004	0.893684	0.94323
Bahrain	2005	0.879997	0.951966
Bahrain	2006	0.845168	0.936137
Bahrain	2007	0.816137	0.921743
Bahrain	2008	0.771081	0.894059
Bahrain	2009	0.739982	0.877059
Bahrain	2010	0.703531	0.858101
Bahrain	2011	0.690148	0.841018
Bahrain	2012	0.696111	0.81503
Bahrain	2013	0.724384	0.856791
Bahrain	2014	0.754134	0.915374
Bahrain	2015	0.761763	0.942064
Bahrain	2016	0.781626	0.985433
Bahrain	2017	0.787411	1.010453
Bahrain	2018	0.761454	0.999448
Bahrain	2019	0.75058	1.006894
Bangladesh	1990	0.3804	0.716382

Bangladesh	1991	0.375512	0.70697
Bangladesh	1992	0.395376	0.732929
Bangladesh	1993	0.404917	0.739799
Bangladesh	1994	0.4091	0.741698
Bangladesh	1995	0.419216	0.749634
Bangladesh	1996	0.415382	0.737888
Bangladesh	1997	0.41797	0.73412
Bangladesh	1998	0.43435	0.780599
Bangladesh	1999	0.454088	0.839102
Bangladesh	2000	0.453657	0.843641
Bangladesh	2001	0.459795	0.853859
Bangladesh	2002	0.467849	0.862316
Bangladesh	2003	0.464491	0.839155
Bangladesh	2004	0.462154	0.815733
Bangladesh	2005	0.466528	0.798544
Bangladesh	2006	0.46469	0.773923
Bangladesh	2007	0.454664	0.734806
Bangladesh	2008	0.464322	0.733483
Bangladesh	2009	0.490683	0.758337
Bangladesh	2010	0.52175	0.778736
Bangladesh	2011	0.542118	0.797312
Bangladesh	2012	0.565715	0.822096
Bangladesh	2013	0.586354	0.836184
Bangladesh	2014	0.60748	0.848881
Bangladesh	2015	0.637512	0.868537



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Bangladesh	2016	0.660278	0.882671
Bangladesh	2017	0.678338	0.88952
Bangladesh	2018	0.698971	0.899008
Bangladesh	2019	0.718894	0.907048
Barbados	1990	0.894527	0.616642
Barbados	1991	0.905157	0.626068
Barbados	1992	0.886093	0.614058
Barbados	1993	0.840365	0.584046
Barbados	1994	0.798121	0.552412
Barbados	1995	0.797847	0.547842
Barbados	1996	0.802923	0.548148
Barbados	1997	0.829481	0.563764
Barbados	1998	0.91285	0.619466
Barbados	1999	1.051021	0.713134
Barbados	2000	1.129813	0.771219
Barbados	2001	1.164329	0.804694
Barbados	2002	1.098412	0.766947
Barbados	2003	1.060014	0.743981
Barbados	2004	1.049906	0.73631
Barbados	2005	1.035049	0.730984
Barbados	2006	1.025381	0.726048
Barbados	2007	1.03494	0.730463
Barbados	2008	1.071119	0.755906
Barbados	2009	1.186422	0.840113
Barbados	2010	1.20559	0.861409

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5	Barbados	2011	1.256207	0.903078
6	Barbados	2012	1.232002	0.894855
7	Barbados	2013	1.244512	0.910245
8	Barbados	2014	1.226329	0.90563
9	Barbados	2015	1.219095	0.909021
10	Barbados	2016	1.20731	0.908776
11	Barbados	2017	1.18224	0.898411
12	Barbados	2018	1.136632	0.87408
13	Barbados	2019	1.057898	0.823784
14	Barbados	2019	1.057898	0.823784
15	Belarus	1990	1.222737	0.546785
16	Belarus	1991	1.222589	0.542306
17	Belarus	1992	1.222354	0.541995
18	Belarus	1993	1.194195	0.528192
19	Belarus	1994	1.198027	0.525786
20	Belarus	1995	1.190682	0.524236
21	Belarus	1996	1.19779	0.529672
22	Belarus	1997	1.201862	0.530403
23	Belarus	1998	1.180566	0.522256
24	Belarus	1999	1.17349	0.525554
25	Belarus	2000	1.181038	0.537008
26	Belarus	2001	1.11243	0.527535
27	Belarus	2002	0.992516	0.514932
28	Belarus	2003	0.965662	0.512927
29	Belarus	2004	0.987739	0.51748
30	Belarus	2005	0.949344	0.490265
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Belarus	2006	0.967082	0.492058
Belarus	2007	1.016222	0.523081
Belarus	2008	0.997675	0.511675
Belarus	2009	1.034343	0.52553
Belarus	2010	1.035253	0.522242
Belarus	2011	1.052963	0.526143
Belarus	2012	1.118591	0.540565
Belarus	2013	1.163733	0.552405
Belarus	2014	1.170396	0.54707
Belarus	2015	1.17895	0.546572
Belarus	2016	1.200354	0.553718
Belarus	2017	1.181	0.545909
Belarus	2018	1.181577	0.547002
Belarus	2019	1.173258	0.544368
Belgium	1990	1.421385	0.740877
Belgium	1991	1.423942	0.735281
Belgium	1992	1.445789	0.734188
Belgium	1993	1.462333	0.731138
Belgium	1994	1.49978	0.74798
Belgium	1995	1.496972	0.743446
Belgium	1996	1.496832	0.734692
Belgium	1997	1.509634	0.737004
Belgium	1998	1.514908	0.74002
Belgium	1999	1.502728	0.733028
Belgium	2000	1.557667	0.760407

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5	Belgium	2001	1.583938	0.775911
6	Belgium	2002	1.586992	0.779042
7	Belgium	2003	1.581673	0.780405
8	Belgium	2004	1.568962	0.781184
9	Belgium	2005	1.5535	0.78059
10	Belgium	2006	1.536952	0.778674
11	Belgium	2007	1.518508	0.773984
12	Belgium	2008	1.485609	0.766927
13	Belgium	2009	1.472726	0.767742
14	Belgium	2010	1.455233	0.765906
15	Belgium	2011	1.438783	0.760722
16	Belgium	2012	1.407827	0.747317
17	Belgium	2013	1.420968	0.757718
18	Belgium	2014	1.426814	0.762059
19	Belgium	2015	1.453753	0.777867
20	Belgium	2016	1.443727	0.774551
21	Belgium	2017	1.418192	0.768017
22	Belgium	2018	1.412215	0.771966
23	Belgium	2019	1.395084	0.770581
24	Belize	1990	1.00662	0.972825
25	Belize	1991	0.965362	0.94683
26	Belize	1992	0.931144	0.91186
27	Belize	1993	0.932714	0.918929
28	Belize	1994	0.931709	0.919944
29	Belize	1995	0.88969	0.890978
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5	Belize	1996	0.867909	0.868761
6	Belize	1997	0.814316	0.808436
7	Belize	1998	0.749212	0.736919
8	Belize	1999	0.714264	0.689447
9	Belize	2000	0.743064	0.711691
10	Belize	2001	0.79908	0.763506
11	Belize	2002	0.851249	0.81938
12	Belize	2003	0.884077	0.854598
13	Belize	2004	0.886352	0.861362
14	Belize	2005	0.904799	0.880318
15	Belize	2006	0.936253	0.920596
16	Belize	2007	0.939889	0.93118
17	Belize	2008	0.921785	0.919071
18	Belize	2009	0.920857	0.923895
19	Belize	2010	0.915009	0.919982
20	Belize	2011	0.925972	0.936544
21	Belize	2012	0.928028	0.938017
22	Belize	2013	0.940011	0.951449
23	Belize	2014	0.926192	0.934737
24	Belize	2015	0.870335	0.87185
25	Belize	2016	0.849205	0.852208
26	Belize	2017	0.845053	0.848611
27	Belize	2018	0.837958	0.836727
28	Belize	2019	0.830969	0.825455
29	Benin	1990	0.79431	0.718407
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Benin	1991	0.787919	0.71165
Benin	1992	0.789963	0.712579
Benin	1993	0.792025	0.710205
Benin	1994	0.794905	0.70809
Benin	1995	0.79705	0.707537
Benin	1996	0.797238	0.702469
Benin	1997	0.79723	0.69874
Benin	1998	0.792817	0.690638
Benin	1999	0.787169	0.680281
Benin	2000	0.789476	0.67662
Benin	2001	0.791888	0.674468
Benin	2002	0.795861	0.672453
Benin	2003	0.805334	0.676195
Benin	2004	0.820154	0.684018
Benin	2005	0.837154	0.694794
Benin	2006	0.854647	0.70472
Benin	2007	0.870698	0.715176
Benin	2008	0.864989	0.708258
Benin	2009	0.861007	0.704984
Benin	2010	0.856749	0.700102
Benin	2011	0.848411	0.694153
Benin	2012	0.842619	0.6896
Benin	2013	0.831281	0.682766
Benin	2014	0.834141	0.686071
Benin	2015	0.836716	0.687831

Benin	2016	0.841937	0.693924
Benin	2017	0.845774	0.698568
Benin	2018	0.84839	0.702366
Benin	2019	0.84808	0.705069
Bermuda	1990	0.754029	0.536264
Bermuda	1991	0.779454	0.553886
Bermuda	1992	0.840547	0.599338
Bermuda	1993	0.854096	0.607478
Bermuda	1994	0.872814	0.618957
Bermuda	1995	0.898129	0.634928
Bermuda	1996	0.888039	0.626096
Bermuda	1997	0.889982	0.625837
Bermuda	1998	0.898389	0.629455
Bermuda	1999	0.901327	0.628074
Bermuda	2000	0.917436	0.635426
Bermuda	2001	0.930333	0.644094
Bermuda	2002	0.916068	0.634163
Bermuda	2003	0.872629	0.604624
Bermuda	2004	0.847269	0.587719
Bermuda	2005	0.818464	0.567361
Bermuda	2006	0.787899	0.546584
Bermuda	2007	0.77141	0.533994
Bermuda	2008	0.766299	0.528829
Bermuda	2009	0.771124	0.5311
Bermuda	2010	0.759957	0.523274

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5	Bermuda	2011	0.75285	0.518281
6	Bermuda	2012	0.746253	0.51245
7	Bermuda	2013	0.749626	0.513518
8	Bermuda	2014	0.757856	0.518891
9	Bermuda	2015	0.769205	0.52558
10	Bermuda	2016	0.777422	0.531834
11	Bermuda	2017	0.777963	0.532703
12	Bermuda	2018	0.776396	0.531267
13	Bermuda	2019	0.774579	0.529411
14	Bhutan	1990	1.150997	0.961563
15	Bhutan	1991	1.159768	0.976396
16	Bhutan	1992	1.161489	0.988481
17	Bhutan	1993	1.162582	1.002648
18	Bhutan	1994	1.16165	1.015731
19	Bhutan	1995	1.161533	1.029975
20	Bhutan	1996	1.155882	1.038013
21	Bhutan	1997	1.14839	1.044638
22	Bhutan	1998	1.132276	1.043871
23	Bhutan	1999	1.117843	1.044833
24	Bhutan	2000	1.104612	1.044609
25	Bhutan	2001	1.082835	1.036621
26	Bhutan	2002	1.060601	1.028499
27	Bhutan	2003	1.048045	1.026816
28	Bhutan	2004	1.048342	1.036155
29	Bhutan	2005	1.045514	1.041306
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Bhutan	2006	1.040212	1.045284
Bhutan	2007	1.04562	1.054329
Bhutan	2008	1.020866	1.035328
Bhutan	2009	0.990419	1.00997
Bhutan	2010	0.976659	0.999512
Bhutan	2011	0.963328	0.988538
Bhutan	2012	0.954794	0.981532
Bhutan	2013	0.951871	0.978607
Bhutan	2014	0.951886	0.977927
Bhutan	2015	0.944963	0.969948
Bhutan	2016	0.93875	0.962066
Bhutan	2017	0.941255	0.962716
Bhutan	2018	0.945337	0.964172
Bhutan	2019	0.95056	0.966948
Bolivia (Plurinational State of)	1990	0.961256	0.803475
Bolivia (Plurinational State of)	1991	0.974811	0.817495
Bolivia (Plurinational State of)	1992	1.002636	0.843273
Bolivia (Plurinational State of)	1993	1.017767	0.858119
Bolivia (Plurinational State of)	1994	1.033256	0.87403
Bolivia (Plurinational State of)	1995	1.024883	0.870068
Bolivia (Plurinational State of)	1996	1.017566	0.866427
Bolivia (Plurinational State of)	1997	1.007971	0.861273
Bolivia (Plurinational State of)	1998	0.984129	0.841985
Bolivia (Plurinational State of)	1999	0.966015	0.827632
Bolivia (Plurinational State of)	2000	0.962713	0.824518

Bolivia (Plurinational State of)	2001	0.958932	0.820473
Bolivia (Plurinational State of)	2002	0.976256	0.835383
Bolivia (Plurinational State of)	2003	0.98302	0.842998
Bolivia (Plurinational State of)	2004	0.994413	0.853175
Bolivia (Plurinational State of)	2005	1.000176	0.857717
Bolivia (Plurinational State of)	2006	0.994393	0.853639
Bolivia (Plurinational State of)	2007	1.012508	0.870734
Bolivia (Plurinational State of)	2008	1.012945	0.872046
Bolivia (Plurinational State of)	2009	1.014013	0.874569
Bolivia (Plurinational State of)	2010	1.020693	0.882007
Bolivia (Plurinational State of)	2011	1.0303	0.892378
Bolivia (Plurinational State of)	2012	1.042369	0.905194
Bolivia (Plurinational State of)	2013	1.032939	0.899283
Bolivia (Plurinational State of)	2014	1.009051	0.880472
Bolivia (Plurinational State of)	2015	1.012061	0.885248
Bolivia (Plurinational State of)	2016	1.029472	0.902983
Bolivia (Plurinational State of)	2017	1.025379	0.901278
Bolivia (Plurinational State of)	2018	1.020638	0.898737
Bolivia (Plurinational State of)	2019	1.018462	0.897773
Bosnia and Herzegovina	1990	1.29983	0.970983
Bosnia and Herzegovina	1991	1.288569	0.978089
Bosnia and Herzegovina	1992	1.355309	1.027289
Bosnia and Herzegovina	1993	1.329285	0.98292
Bosnia and Herzegovina	1994	1.34116	0.988002
Bosnia and Herzegovina	1995	1.337425	0.976078

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Bosnia and Herzegovina	1996	1.330841	0.969336
Bosnia and Herzegovina	1997	1.386711	1.048084
Bosnia and Herzegovina	1998	1.325447	0.989462
Bosnia and Herzegovina	1999	1.299408	0.931218
Bosnia and Herzegovina	2000	1.218634	0.856607
Bosnia and Herzegovina	2001	1.246342	0.884627
Bosnia and Herzegovina	2002	1.214282	0.851942
Bosnia and Herzegovina	2003	1.13905	0.783318
Bosnia and Herzegovina	2004	1.143951	0.790536
Bosnia and Herzegovina	2005	1.040577	0.726236
Bosnia and Herzegovina	2006	1.06114	0.738709
Bosnia and Herzegovina	2007	1.0373	0.726447
Bosnia and Herzegovina	2008	1.018065	0.713553
Bosnia and Herzegovina	2009	1.009822	0.716932
Bosnia and Herzegovina	2010	1.0141	0.719194
Bosnia and Herzegovina	2011	0.981583	0.69969
Bosnia and Herzegovina	2012	1.005197	0.710447
Bosnia and Herzegovina	2013	1.013019	0.708952
Bosnia and Herzegovina	2014	1.038881	0.725823
Bosnia and Herzegovina	2015	1.049397	0.736441
Bosnia and Herzegovina	2016	1.040546	0.735288
Bosnia and Herzegovina	2017	1.040503	0.737686
Bosnia and Herzegovina	2018	1.04249	0.738539
Bosnia and Herzegovina	2019	1.043485	0.74054
Botswana	1990	0.537137	0.414065

Botswana	1991	0.529932	0.411447
Botswana	1992	0.518595	0.406089
Botswana	1993	0.500924	0.397237
Botswana	1994	0.475532	0.382303
Botswana	1995	0.445387	0.362409
Botswana	1996	0.411066	0.337684
Botswana	1997	0.38692	0.317997
Botswana	1998	0.388996	0.316316
Botswana	1999	0.399472	0.320642
Botswana	2000	0.419352	0.331758
Botswana	2001	0.440807	0.343843
Botswana	2002	0.462907	0.35598
Botswana	2003	0.48127	0.365153
Botswana	2004	0.485173	0.364081
Botswana	2005	0.486513	0.361465
Botswana	2006	0.486971	0.359767
Botswana	2007	0.517909	0.376773
Botswana	2008	0.56281	0.404718
Botswana	2009	0.590041	0.421971
Botswana	2010	0.61666	0.43976
Botswana	2011	0.650044	0.462337
Botswana	2012	0.673408	0.478454
Botswana	2013	0.698869	0.496157
Botswana	2014	0.729034	0.517204
Botswana	2015	0.736907	0.525176

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5	Botswana	2016	0.736744	0.527736
6	Botswana	2017	0.741796	0.534897
7	Botswana	2018	0.745507	0.541574
8	Botswana	2019	0.749048	0.547359
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10	Brazil	1990	0.868292	0.734531
11	Brazil	1991	0.871669	0.733028
12	Brazil	1992	0.873059	0.730412
13	Brazil	1993	0.870166	0.724411
14	Brazil	1994	0.872946	0.725148
15	Brazil	1995	0.888112	0.736283
16	Brazil	1996	0.901793	0.748348
17	Brazil	1997	0.912694	0.754577
18	Brazil	1998	0.915702	0.754223
19	Brazil	1999	0.920762	0.755906
20	Brazil	2000	0.923142	0.754715
21	Brazil	2001	0.92368	0.75192
22	Brazil	2002	0.926329	0.749707
23	Brazil	2003	0.914675	0.736203
24	Brazil	2004	0.908924	0.728108
25	Brazil	2005	0.909099	0.725899
26	Brazil	2006	0.914362	0.726873
27	Brazil	2007	0.917005	0.725326
28	Brazil	2008	0.919568	0.724005
29	Brazil	2009	0.926131	0.725645
30	Brazil	2010	0.929564	0.724421
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Brazil	2011	0.929337	0.72113
Brazil	2012	0.932485	0.720529
Brazil	2013	0.929513	0.715356
Brazil	2014	0.928064	0.711744
Brazil	2015	0.93	0.710368
Brazil	2016	0.921374	0.701534
Brazil	2017	0.923842	0.701841
Brazil	2018	0.931119	0.708035
Brazil	2019	0.926425	0.704651
Brunei Darussalam	1990	0.730035	0.53404
Brunei Darussalam	1991	0.74702	0.551392
Brunei Darussalam	1992	0.753832	0.561922
Brunei Darussalam	1993	0.761973	0.573017
Brunei Darussalam	1994	0.802694	0.622696
Brunei Darussalam	1995	0.817759	0.648665
Brunei Darussalam	1996	0.850126	0.700386
Brunei Darussalam	1997	0.894011	0.778129
Brunei Darussalam	1998	0.873648	0.765259
Brunei Darussalam	1999	0.871369	0.763791
Brunei Darussalam	2000	0.894188	0.798016
Brunei Darussalam	2001	0.90963	0.83227
Brunei Darussalam	2002	0.886411	0.780404
Brunei Darussalam	2003	0.854292	0.71243
Brunei Darussalam	2004	0.859174	0.715514
Brunei Darussalam	2005	0.84762	0.690099

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Brunei Darussalam	2006	0.852917	0.685786
Brunei Darussalam	2007	0.882095	0.739274
Brunei Darussalam	2008	0.862392	0.697695
Brunei Darussalam	2009	0.856274	0.659067
Brunei Darussalam	2010	0.855225	0.645933
Brunei Darussalam	2011	0.874377	0.639123
Brunei Darussalam	2012	0.893294	0.618207
Brunei Darussalam	2013	0.887434	0.591531
Brunei Darussalam	2014	0.889551	0.570037
Brunei Darussalam	2015	0.908183	0.567185
Brunei Darussalam	2016	0.908363	0.560784
Brunei Darussalam	2017	0.899665	0.555
Brunei Darussalam	2018	0.897283	0.547615
Brunei Darussalam	2019	0.897071	0.549288
Bulgaria	1990	0.784462	0.633343
Bulgaria	1991	0.8026	0.650828
Bulgaria	1992	0.791893	0.644128
Bulgaria	1993	0.768757	0.619671
Bulgaria	1994	0.766644	0.616116
Bulgaria	1995	0.784155	0.626033
Bulgaria	1996	0.792337	0.62834
Bulgaria	1997	0.81624	0.64351
Bulgaria	1998	0.810752	0.633696
Bulgaria	1999	0.84948	0.659797
Bulgaria	2000	0.827353	0.634195

Bulgaria	2001	0.799274	0.605875
Bulgaria	2002	0.784054	0.590177
Bulgaria	2003	0.761885	0.573417
Bulgaria	2004	0.750577	0.563872
Bulgaria	2005	0.737531	0.550685
Bulgaria	2006	0.740673	0.551365
Bulgaria	2007	0.742368	0.548454
Bulgaria	2008	0.735157	0.539766
Bulgaria	2009	0.733233	0.536161
Bulgaria	2010	0.744196	0.543393
Bulgaria	2011	0.738048	0.535808
Bulgaria	2012	0.742174	0.534777
Bulgaria	2013	0.748018	0.538745
Bulgaria	2014	0.757692	0.54565
Bulgaria	2015	0.768527	0.55158
Bulgaria	2016	0.751909	0.541118
Bulgaria	2017	0.748123	0.537571
Bulgaria	2018	0.757731	0.540935
Bulgaria	2019	0.759446	0.540909
Burkina Faso	1990	0.829528	0.714538
Burkina Faso	1991	0.822189	0.708491
Burkina Faso	1992	0.828201	0.71154
Burkina Faso	1993	0.826131	0.708344
Burkina Faso	1994	0.828671	0.709142
Burkina Faso	1995	0.832397	0.710774



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Burkina Faso	1996	0.840602	0.718042
Burkina Faso	1997	0.855196	0.729615
Burkina Faso	1998	0.864386	0.736372
Burkina Faso	1999	0.878543	0.745592
Burkina Faso	2000	0.896482	0.757597
Burkina Faso	2001	0.900208	0.758025
Burkina Faso	2002	0.911224	0.761005
Burkina Faso	2003	0.922792	0.770118
Burkina Faso	2004	0.93218	0.777212
Burkina Faso	2005	0.936739	0.780345
Burkina Faso	2006	0.941423	0.78412
Burkina Faso	2007	0.937418	0.779712
Burkina Faso	2008	0.932447	0.771837
Burkina Faso	2009	0.932103	0.767737
Burkina Faso	2010	0.933339	0.766071
Burkina Faso	2011	0.936167	0.762728
Burkina Faso	2012	0.933527	0.758505
Burkina Faso	2013	0.934327	0.753482
Burkina Faso	2014	0.946187	0.758672
Burkina Faso	2015	0.965308	0.770071
Burkina Faso	2016	0.981429	0.778676
Burkina Faso	2017	0.997016	0.7884
Burkina Faso	2018	1.006615	0.794704
Burkina Faso	2019	1.016562	0.801219
Burundi	1990	0.687664	0.563286

Burundi	1991	0.694366	0.567374
Burundi	1992	0.699582	0.571893
Burundi	1993	0.698081	0.573959
Burundi	1994	0.696463	0.575131
Burundi	1995	0.698699	0.57815
Burundi	1996	0.712302	0.591291
Burundi	1997	0.719895	0.601894
Burundi	1998	0.728608	0.614085
Burundi	1999	0.737929	0.625256
Burundi	2000	0.734877	0.628305
Burundi	2001	0.734869	0.631386
Burundi	2002	0.733492	0.633296
Burundi	2003	0.733389	0.637925
Burundi	2004	0.729231	0.640778
Burundi	2005	0.718246	0.63823
Burundi	2006	0.703513	0.630502
Burundi	2007	0.683863	0.619678
Burundi	2008	0.666624	0.612776
Burundi	2009	0.663426	0.614655
Burundi	2010	0.660953	0.616004
Burundi	2011	0.656466	0.616586
Burundi	2012	0.654089	0.619867
Burundi	2013	0.652141	0.622567
Burundi	2014	0.6494	0.625271
Burundi	2015	0.644695	0.62811

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Burundi	2016	0.636883	0.629837
Burundi	2017	0.631132	0.632785
Burundi	2018	0.628577	0.636035
Burundi	2019	0.624937	0.639786
Cabo Verde	1990	0.785566	0.5739
Cabo Verde	1991	0.799078	0.581168
Cabo Verde	1992	0.800885	0.580711
Cabo Verde	1993	0.780252	0.565062
Cabo Verde	1994	0.769012	0.55496
Cabo Verde	1995	0.760016	0.546382
Cabo Verde	1996	0.725456	0.51886
Cabo Verde	1997	0.676563	0.479908
Cabo Verde	1998	0.676536	0.473741
Cabo Verde	1999	0.676218	0.467118
Cabo Verde	2000	0.68503	0.466719
Cabo Verde	2001	0.686608	0.46229
Cabo Verde	2002	0.688755	0.458328
Cabo Verde	2003	0.690284	0.453906
Cabo Verde	2004	0.687477	0.446744
Cabo Verde	2005	0.684518	0.439673
Cabo Verde	2006	0.777244	0.500204
Cabo Verde	2007	0.816068	0.528048
Cabo Verde	2008	0.819805	0.532151
Cabo Verde	2009	0.824293	0.537742
Cabo Verde	2010	0.83081	0.546195

5	Cabo Verde	2011	0.853879	0.565047
6	Cabo Verde	2012	0.875334	0.583896
7	Cabo Verde	2013	0.871868	0.58662
9	Cabo Verde	2014	0.904058	0.616563
10	Cabo Verde	2015	0.942277	0.652128
11	Cabo Verde	2016	1.004837	0.705484
12	Cabo Verde	2017	0.957232	0.681284
13	Cabo Verde	2018	0.696343	0.470762
14	Cabo Verde	2019	0.705846	0.473874
17	Cambodia	1990	1.272435	0.929989
18	Cambodia	1991	1.277283	0.931682
19	Cambodia	1992	1.287046	0.936978
20	Cambodia	1993	1.299802	0.944499
21	Cambodia	1994	1.311296	0.951699
22	Cambodia	1995	1.305299	0.947258
23	Cambodia	1996	1.305278	0.945959
24	Cambodia	1997	1.294164	0.937495
25	Cambodia	1998	1.282978	0.929409
26	Cambodia	1999	1.272036	0.922534
27	Cambodia	2000	1.259729	0.913971
28	Cambodia	2001	1.246865	0.905562
29	Cambodia	2002	1.239166	0.900746
30	Cambodia	2003	1.227679	0.89253
31	Cambodia	2004	1.212898	0.88247
32	Cambodia	2005	1.193716	0.869231

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Cambodia	2006	1.18145	0.860138
Cambodia	2007	1.164389	0.848923
Cambodia	2008	1.148449	0.838274
Cambodia	2009	1.137969	0.830565
Cambodia	2010	1.134267	0.827896
Cambodia	2011	1.13422	0.827352
Cambodia	2012	1.135837	0.828119
Cambodia	2013	1.140934	0.831604
Cambodia	2014	1.14328	0.833467
Cambodia	2015	1.144017	0.833629
Cambodia	2016	1.146845	0.835286
Cambodia	2017	1.150349	0.836871
Cambodia	2018	1.152662	0.837604
Cambodia	2019	1.155105	0.838245
Cameroon	1990	1.147025	1.039542
Cameroon	1991	1.13009	1.023941
Cameroon	1992	1.11613	1.010117
Cameroon	1993	1.09613	0.991193
Cameroon	1994	1.085801	0.980193
Cameroon	1995	1.066587	0.962355
Cameroon	1996	1.04273	0.941254
Cameroon	1997	1.038881	0.934436
Cameroon	1998	1.030364	0.926553
Cameroon	1999	1.010618	0.908515
Cameroon	2000	0.99371	0.892449

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5	Cameroon	2001	0.973748	0.875349
6	Cameroon	2002	0.961464	0.860027
7	Cameroon	2003	0.950572	0.851844
8	Cameroon	2004	0.939277	0.843458
9	Cameroon	2005	0.925508	0.832964
10	Cameroon	2006	0.916299	0.824142
11	Cameroon	2007	0.904462	0.813191
12	Cameroon	2008	0.886022	0.796672
13	Cameroon	2009	0.876197	0.787422
14	Cameroon	2010	0.879262	0.788679
15	Cameroon	2011	0.880561	0.789209
16	Cameroon	2012	0.878504	0.786955
17	Cameroon	2013	0.876201	0.784414
18	Cameroon	2014	0.88642	0.793444
19	Cameroon	2015	0.894119	0.799428
20	Cameroon	2016	0.901086	0.806824
21	Cameroon	2017	0.904634	0.810746
22	Cameroon	2018	0.904815	0.812334
23	Cameroon	2019	0.906643	0.815062
24	Canada	1990	1.071669	0.656583
25	Canada	1991	1.068419	0.651509
26	Canada	1992	1.072055	0.651547
27	Canada	1993	1.062733	0.64336
28	Canada	1994	1.071188	0.646973
29	Canada	1995	1.056516	0.635922
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Canada	1996	1.06505	0.637783
Canada	1997	1.053599	0.628887
Canada	1998	1.053543	0.626099
Canada	1999	1.048713	0.618933
Canada	2000	1.075001	0.633436
Canada	2001	1.081442	0.635703
Canada	2002	1.090276	0.639234
Canada	2003	1.086281	0.636843
Canada	2004	1.090858	0.638593
Canada	2005	1.111257	0.652645
Canada	2006	1.138485	0.671429
Canada	2007	1.147179	0.680731
Canada	2008	1.155455	0.690482
Canada	2009	1.15475	0.694508
Canada	2010	1.166421	0.707449
Canada	2011	1.162524	0.712348
Canada	2012	1.14527	0.710073
Canada	2013	1.132927	0.710844
Canada	2014	1.127098	0.715051
Canada	2015	1.11813	0.716868
Canada	2016	1.106954	0.71676
Canada	2017	1.094248	0.715128
Canada	2018	1.074678	0.709354
Canada	2019	1.062453	0.707807
Central African Republic	1990	0.605335	0.494503

Central African Republic	1991	0.595076	0.488287
Central African Republic	1992	0.579631	0.476163
Central African Republic	1993	0.593358	0.485861
Central African Republic	1994	0.597356	0.488188
Central African Republic	1995	0.60126	0.490392
Central African Republic	1996	0.606962	0.494629
Central African Republic	1997	0.606767	0.493809
Central African Republic	1998	0.60576	0.491861
Central African Republic	1999	0.601875	0.487075
Central African Republic	2000	0.599029	0.482639
Central African Republic	2001	0.598767	0.482322
Central African Republic	2002	0.601461	0.484166
Central African Republic	2003	0.60518	0.487199
Central African Republic	2004	0.605982	0.487695
Central African Republic	2005	0.60574	0.486763
Central African Republic	2006	0.606321	0.485265
Central African Republic	2007	0.605549	0.483734
Central African Republic	2008	0.602208	0.479866
Central African Republic	2009	0.602173	0.479239
Central African Republic	2010	0.600321	0.478502
Central African Republic	2011	0.601359	0.479995
Central African Republic	2012	0.604953	0.483166
Central African Republic	2013	0.609224	0.485905
Central African Republic	2014	0.609242	0.485843
Central African Republic	2015	0.606339	0.484164



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5	Central African Republic	2016	0.601069	0.48213
6	Central African Republic	2017	0.596947	0.480092
7	Central African Republic	2018	0.594318	0.478991
8	Central African Republic	2019	0.592694	0.479463
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10	Chad	1990	0.834872	0.761775
11	Chad	1991	0.821838	0.752272
12	Chad	1992	0.80896	0.744471
13	Chad	1993	0.792107	0.732762
14	Chad	1994	0.769123	0.714465
15	Chad	1995	0.753542	0.702173
16	Chad	1996	0.731651	0.68299
17	Chad	1997	0.713377	0.666729
18	Chad	1998	0.700701	0.655117
19	Chad	1999	0.682246	0.638162
20	Chad	2000	0.669872	0.626096
21	Chad	2001	0.662084	0.61966
22	Chad	2002	0.65693	0.616713
23	Chad	2003	0.654422	0.618421
24	Chad	2004	0.644129	0.613396
25	Chad	2005	0.63571	0.610532
26	Chad	2006	0.628836	0.607959
27	Chad	2007	0.622864	0.607788
28	Chad	2008	0.614477	0.605515
29	Chad	2009	0.603446	0.603535
30	Chad	2010	0.597793	0.602175
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Chad	2011	0.591857	0.601036
Chad	2012	0.586086	0.600795
Chad	2013	0.582037	0.600969
Chad	2014	0.578729	0.604162
Chad	2015	0.577133	0.606962
Chad	2016	0.577592	0.611944
Chad	2017	0.579311	0.618026
Chad	2018	0.579088	0.621805
Chad	2019	0.578632	0.626191
Chile	1990	0.975267	0.789928
Chile	1991	1.004222	0.810795
Chile	1992	1.03789	0.832208
Chile	1993	1.027902	0.817282
Chile	1994	1.024455	0.811473
Chile	1995	1.007339	0.788872
Chile	1996	0.980229	0.755604
Chile	1997	0.99706	0.765156
Chile	1998	1.032587	0.788071
Chile	1999	1.05249	0.799165
Chile	2000	1.06127	0.804204
Chile	2001	1.073648	0.813752
Chile	2002	1.076179	0.809961
Chile	2003	1.080699	0.808243
Chile	2004	1.09034	0.810053
Chile	2005	1.098112	0.812524

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Chile	2006	1.101727	0.813429
Chile	2007	1.099118	0.810954
Chile	2008	1.101981	0.816507
Chile	2009	1.087498	0.804882
Chile	2010	1.090558	0.803135
Chile	2011	1.106878	0.813052
Chile	2012	1.114865	0.818805
Chile	2013	1.110409	0.816162
Chile	2014	1.0971	0.804446
Chile	2015	1.100775	0.805611
Chile	2016	1.103035	0.806088
Chile	2017	1.114846	0.814555
Chile	2018	1.11631	0.815553
Chile	2019	1.114836	0.814624
China	1990	0.967823	0.814115
China	1991	0.958559	0.806344
China	1992	0.957942	0.80596
China	1993	0.964164	0.811179
China	1994	0.973764	0.813081
China	1995	0.959877	0.800819
China	1996	0.957836	0.79771
China	1997	0.962476	0.799933
China	1998	0.959408	0.790422
China	1999	0.962405	0.793427
China	2000	0.96278	0.800564

China	2001	0.950333	0.789064
China	2002	0.932042	0.776288
China	2003	0.921262	0.772159
China	2004	0.906997	0.757937
China	2005	0.88725	0.735528
China	2006	0.897301	0.739151
China	2007	0.892122	0.729779
China	2008	0.88588	0.720897
China	2009	0.880109	0.711189
China	2010	0.877856	0.705003
China	2011	0.877119	0.697836
China	2012	0.854498	0.672527
China	2013	0.849703	0.664253
China	2014	0.845928	0.661064
China	2015	0.836498	0.650847
China	2016	0.840203	0.651806
China	2017	0.858599	0.666526
China	2018	0.878564	0.683378
China	2019	0.887628	0.688388
Colombia	1990	0.92605	0.87332
Colombia	1991	0.88317	0.835151
Colombia	1992	0.881827	0.827676
Colombia	1993	0.897087	0.835138
Colombia	1994	0.897415	0.830507
Colombia	1995	0.883693	0.818259

Colombia	1996	0.860237	0.790636
Colombia	1997	0.876126	0.798379
Colombia	1998	0.887859	0.799727
Colombia	1999	0.863474	0.772837
Colombia	2000	0.849005	0.755909
Colombia	2001	0.850541	0.749405
Colombia	2002	0.737513	0.644557
Colombia	2003	0.823671	0.713566
Colombia	2004	0.815959	0.70425
Colombia	2005	0.846694	0.725794
Colombia	2006	0.823752	0.702385
Colombia	2007	0.834971	0.708499
Colombia	2008	0.821626	0.69362
Colombia	2009	0.771829	0.648857
Colombia	2010	0.78163	0.652348
Colombia	2011	0.791119	0.65474
Colombia	2012	0.786915	0.647334
Colombia	2013	0.795163	0.650472
Colombia	2014	0.847073	0.690264
Colombia	2015	0.832346	0.676081
Colombia	2016	0.829521	0.671116
Colombia	2017	0.828961	0.667807
Colombia	2018	0.843668	0.676432
Colombia	2019	0.843713	0.675001
Comoros	1990	0.733786	0.662082

Comoros	1991	0.7402	0.663758
Comoros	1992	0.745905	0.664646
Comoros	1993	0.757544	0.670189
Comoros	1994	0.766249	0.672645
Comoros	1995	0.775972	0.676143
Comoros	1996	0.789989	0.682161
Comoros	1997	0.802756	0.68778
Comoros	1998	0.828547	0.704046
Comoros	1999	0.860904	0.725442
Comoros	2000	0.88092	0.738351
Comoros	2001	0.907113	0.756097
Comoros	2002	0.917167	0.761638
Comoros	2003	0.939988	0.777236
Comoros	2004	0.947701	0.781221
Comoros	2005	0.953186	0.787593
Comoros	2006	0.96207	0.788326
Comoros	2007	0.950667	0.783126
Comoros	2008	0.954273	0.785029
Comoros	2009	0.965166	0.788867
Comoros	2010	0.983476	0.796443
Comoros	2011	0.986429	0.798943
Comoros	2012	0.993435	0.803484
Comoros	2013	0.994148	0.805074
Comoros	2014	0.99033	0.809445
Comoros	2015	0.995551	0.813129

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Comoros	2016	1.000726	0.815787
Comoros	2017	1.006585	0.819901
Comoros	2018	1.010868	0.821308
Comoros	2019	1.012969	0.822834
Congo	1990	0.751571	0.620385
Congo	1991	0.757008	0.620743
Congo	1992	0.751454	0.61207
Congo	1993	0.767738	0.621074
Congo	1994	0.793581	0.640092
Congo	1995	0.807649	0.649302
Congo	1996	0.843536	0.675503
Congo	1997	0.849181	0.678751
Congo	1998	0.861181	0.681345
Congo	1999	0.873966	0.688289
Congo	2000	0.887117	0.693063
Congo	2001	0.894852	0.695199
Congo	2002	0.91501	0.707194
Congo	2003	0.938097	0.727745
Congo	2004	0.965721	0.749928
Congo	2005	0.999334	0.777948
Congo	2006	1.01017	0.790931
Congo	2007	1.01219	0.799437
Congo	2008	1.011191	0.805224
Congo	2009	1.001536	0.805305
Congo	2010	1.005744	0.814986

Congo	2011	0.995978	0.812365
Congo	2012	0.976587	0.809515
Congo	2013	0.96994	0.812844
Congo	2014	0.962707	0.814701
Congo	2015	0.950028	0.810594
Congo	2016	0.936194	0.807464
Congo	2017	0.929756	0.808413
Congo	2018	0.918173	0.804938
Congo	2019	0.907093	0.801955
Cook Islands	1990	0.731273	0.737078
Cook Islands	1991	0.714071	0.722799
Cook Islands	1992	0.703288	0.713012
Cook Islands	1993	0.694466	0.703081
Cook Islands	1994	0.691835	0.697671
Cook Islands	1995	0.690798	0.693392
Cook Islands	1996	0.692286	0.692624
Cook Islands	1997	0.691053	0.690664
Cook Islands	1998	0.687318	0.687769
Cook Islands	1999	0.678993	0.681139
Cook Islands	2000	0.670422	0.674048
Cook Islands	2001	0.676639	0.680259
Cook Islands	2002	0.677434	0.678221
Cook Islands	2003	0.672888	0.667111
Cook Islands	2004	0.672924	0.657395
Cook Islands	2005	0.660459	0.636278



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5	Cook Islands	2006	0.662874	0.630598
6	Cook Islands	2007	0.655072	0.618395
7	Cook Islands	2008	0.655387	0.615491
8	Cook Islands	2009	0.660637	0.619082
9	Cook Islands	2010	0.662691	0.621673
10	Cook Islands	2011	0.64694	0.607209
11	Cook Islands	2012	0.643794	0.603641
12	Cook Islands	2013	0.648095	0.605316
13	Cook Islands	2014	0.648776	0.602425
14	Cook Islands	2015	0.646748	0.597015
15	Cook Islands	2016	0.64459	0.590916
16	Cook Islands	2017	0.657328	0.598123
17	Cook Islands	2018	0.665537	0.601679
18	Cook Islands	2019	0.673095	0.605095
19	Costa Rica	1990	0.842686	0.780245
20	Costa Rica	1991	0.846408	0.779555
21	Costa Rica	1992	0.801387	0.735808
22	Costa Rica	1993	0.822401	0.751924
23	Costa Rica	1994	0.818493	0.744542
24	Costa Rica	1995	0.809652	0.735454
25	Costa Rica	1996	0.823017	0.742523
26	Costa Rica	1997	0.81881	0.739022
27	Costa Rica	1998	0.833152	0.75157
28	Costa Rica	1999	0.772513	0.695838
29	Costa Rica	2000	0.772973	0.691908
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Costa Rica	2001	0.792404	0.706965
Costa Rica	2002	0.785335	0.698226
Costa Rica	2003	0.789385	0.699126
Costa Rica	2004	0.775158	0.685789
Costa Rica	2005	0.823794	0.726354
Costa Rica	2006	0.794886	0.69863
Costa Rica	2007	0.804319	0.704393
Costa Rica	2008	0.802687	0.700785
Costa Rica	2009	0.824271	0.715522
Costa Rica	2010	0.752826	0.65028
Costa Rica	2011	0.779381	0.666415
Costa Rica	2012	0.797407	0.675406
Costa Rica	2013	0.796876	0.669869
Costa Rica	2014	0.79033	0.658754
Costa Rica	2015	0.788694	0.653029
Costa Rica	2016	0.795657	0.658021
Costa Rica	2017	0.805902	0.664662
Costa Rica	2018	0.785138	0.644119
Costa Rica	2019	0.794065	0.647561
Croatia	1990	1.120185	0.65127
Croatia	1991	1.125968	0.653247
Croatia	1992	1.121772	0.655144
Croatia	1993	1.111291	0.645602
Croatia	1994	1.121473	0.65099
Croatia	1995	1.139708	0.659749

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Croatia	1996	1.161451	0.665951
Croatia	1997	1.152629	0.651192
Croatia	1998	1.166428	0.64639
Croatia	1999	1.196099	0.654948
Croatia	2000	1.216367	0.660369
Croatia	2001	1.220003	0.655333
Croatia	2002	1.248965	0.670539
Croatia	2003	1.232678	0.662375
Croatia	2004	1.28712	0.691856
Croatia	2005	1.241395	0.66823
Croatia	2006	1.256257	0.676099
Croatia	2007	1.282833	0.69208
Croatia	2008	1.256338	0.68161
Croatia	2009	1.257667	0.683845
Croatia	2010	1.318366	0.725261
Croatia	2011	1.290008	0.714134
Croatia	2012	1.250825	0.693977
Croatia	2013	1.318069	0.727072
Croatia	2014	1.304176	0.721959
Croatia	2015	1.322415	0.740471
Croatia	2016	1.287002	0.722383
Croatia	2017	1.265466	0.716749
Croatia	2018	1.256311	0.71655
Croatia	2019	1.242454	0.714384
Cuba	1990	0.727847	0.702803

Cuba	1991	0.724469	0.694605
Cuba	1992	0.729795	0.694633
Cuba	1993	0.720995	0.682637
Cuba	1994	0.70017	0.659501
Cuba	1995	0.738602	0.691371
Cuba	1996	0.766014	0.714588
Cuba	1997	0.765753	0.712793
Cuba	1998	0.800248	0.743681
Cuba	1999	0.812952	0.753939
Cuba	2000	0.881295	0.814171
Cuba	2001	0.959164	0.883325
Cuba	2002	0.988012	0.90707
Cuba	2003	1.02399	0.936121
Cuba	2004	1.061575	0.965081
Cuba	2005	1.074199	0.973171
Cuba	2006	1.080161	0.975409
Cuba	2007	1.094049	0.985931
Cuba	2008	1.115955	1.001873
Cuba	2009	1.088237	0.972591
Cuba	2010	1.080138	0.961158
Cuba	2011	1.104658	0.980563
Cuba	2012	1.059809	0.939556
Cuba	2013	1.057449	0.934553
Cuba	2014	1.045602	0.920903
Cuba	2015	1.024565	0.900839

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Cuba	2016	0.999353	0.875106
Cuba	2017	0.976223	0.851947
Cuba	2018	0.979438	0.850798
Cuba	2019	0.984318	0.851479
Cyprus	1990	0.973492	0.995284
Cyprus	1991	0.870799	0.852337
Cyprus	1992	0.836617	0.776383
Cyprus	1993	0.865602	0.768364
Cyprus	1994	0.894084	0.769336
Cyprus	1995	0.884558	0.755664
Cyprus	1996	0.850063	0.727604
Cyprus	1997	0.836166	0.718292
Cyprus	1998	0.862069	0.738631
Cyprus	1999	0.890677	0.7614
Cyprus	2000	0.839486	0.709185
Cyprus	2001	0.828953	0.682359
Cyprus	2002	0.831988	0.672456
Cyprus	2003	0.888021	0.684125
Cyprus	2004	0.889668	0.677149
Cyprus	2005	0.883011	0.659401
Cyprus	2006	0.876697	0.632202
Cyprus	2007	0.867611	0.61137
Cyprus	2008	0.874585	0.601709
Cyprus	2009	0.842293	0.542734
Cyprus	2010	0.842268	0.527126

Cyprus	2011	0.902202	0.551805
Cyprus	2012	0.932618	0.566257
Cyprus	2013	0.954078	0.588914
Cyprus	2014	0.981005	0.618201
Cyprus	2015	0.972019	0.633882
Cyprus	2016	0.994398	0.701614
Cyprus	2017	1.049295	0.817407
Cyprus	2018	1.005187	0.80001
Cyprus	2019	0.963696	0.782896
Czechia	1990	1.016176	0.624468
Czechia	1991	1.092255	0.665403
Czechia	1992	1.114824	0.676432
Czechia	1993	1.165005	0.705793
Czechia	1994	1.161923	0.705491
Czechia	1995	1.221828	0.746068
Czechia	1996	1.210004	0.738504
Czechia	1997	1.2386	0.75613
Czechia	1998	1.243416	0.755395
Czechia	1999	1.216241	0.737046
Czechia	2000	1.251442	0.756081
Czechia	2001	1.23813	0.748034
Czechia	2002	1.232174	0.737573
Czechia	2003	1.2408	0.740963
Czechia	2004	1.219882	0.723872
Czechia	2005	1.260818	0.743677

Czechia	2006	1.263043	0.740681
Czechia	2007	1.254411	0.738889
Czechia	2008	1.2398	0.735183
Czechia	2009	1.218698	0.726824
Czechia	2010	1.206849	0.719868
Czechia	2011	1.208496	0.722033
Czechia	2012	1.210538	0.724006
Czechia	2013	1.220183	0.728389
Czechia	2014	1.220982	0.727287
Czechia	2015	1.22085	0.726128
Czechia	2016	1.216345	0.725895
Czechia	2017	1.174381	0.703135
Czechia	2018	1.163977	0.704178
Czechia	2019	1.15844	0.708733
C ɔ te d'Ivoire	1990	0.608796	0.660555
C ɔ te d'Ivoire	1991	0.595623	0.644126
C ɔ te d'Ivoire	1992	0.578152	0.627977
C ɔ te d'Ivoire	1993	0.56919	0.618807
C ɔ te d'Ivoire	1994	0.557509	0.606066
C ɔ te d'Ivoire	1995	0.549824	0.596539
C ɔ te d'Ivoire	1996	0.548132	0.592989
C ɔ te d'Ivoire	1997	0.552384	0.594317
C ɔ te d'Ivoire	1998	0.559997	0.597753
C ɔ te d'Ivoire	1999	0.564649	0.599111
C ɔ te d'Ivoire	2000	0.571707	0.601928

C 么 te d'Ivoire	2001	0.585033	0.608489
C 么 te d'Ivoire	2002	0.595451	0.615232
C 么 te d'Ivoire	2003	0.602649	0.618669
C 么 te d'Ivoire	2004	0.604192	0.619534
C 么 te d'Ivoire	2005	0.613897	0.625708
C 么 te d'Ivoire	2006	0.622914	0.631968
C 么 te d'Ivoire	2007	0.625933	0.632453
C 么 te d'Ivoire	2008	0.630376	0.635391
C 么 te d'Ivoire	2009	0.632111	0.63704
C 么 te d'Ivoire	2010	0.629477	0.635272
C 么 te d'Ivoire	2011	0.627319	0.633461
C 么 te d'Ivoire	2012	0.625624	0.632268
C 么 te d'Ivoire	2013	0.623281	0.631079
C 么 te d'Ivoire	2014	0.62667	0.635978
C 么 te d'Ivoire	2015	0.631361	0.641248
C 么 te d'Ivoire	2016	0.635046	0.64627
C 么 te d'Ivoire	2017	0.637611	0.650224
C 么 te d'Ivoire	2018	0.641324	0.658071
C 么 te d'Ivoire	2019	0.643183	0.663257
Democratic People's Republic of Korea	1990	1.519679	0.93015
Democratic People's Republic of Korea	1991	1.517594	0.928075
Democratic People's Republic of Korea	1992	1.515332	0.925618
Democratic People's Republic of Korea	1993	1.511403	0.922131
Democratic People's Republic of Korea	1994	1.508383	0.918629
Democratic People's Republic of Korea	1995	1.50472	0.916326



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5	Democratic People's Republic of Korea	1996	1.499132	0.914125
6	Democratic People's Republic of Korea	1997	1.48746	0.907333
7	Democratic People's Republic of Korea	1998	1.47484	0.898221
8	Democratic People's Republic of Korea	1999	1.465112	0.889807
9	Democratic People's Republic of Korea	2000	1.457588	0.883
10	Democratic People's Republic of Korea	2001	1.449234	0.87407
11	Democratic People's Republic of Korea	2002	1.439481	0.863734
12	Democratic People's Republic of Korea	2003	1.428879	0.857005
13	Democratic People's Republic of Korea	2004	1.420628	0.85164
14	Democratic People's Republic of Korea	2005	1.413032	0.846354
15	Democratic People's Republic of Korea	2006	1.408239	0.843679
16	Democratic People's Republic of Korea	2007	1.404697	0.842011
17	Democratic People's Republic of Korea	2008	1.404365	0.842973
18	Democratic People's Republic of Korea	2009	1.405944	0.8431
19	Democratic People's Republic of Korea	2010	1.404803	0.841923
20	Democratic People's Republic of Korea	2011	1.398525	0.838881
21	Democratic People's Republic of Korea	2012	1.386802	0.833673
22	Democratic People's Republic of Korea	2013	1.371735	0.82762
23	Democratic People's Republic of Korea	2014	1.353179	0.81921
24	Democratic People's Republic of Korea	2015	1.335352	0.811898
25	Democratic People's Republic of Korea	2016	1.318845	0.806027
26	Democratic People's Republic of Korea	2017	1.307835	0.803468
27	Democratic People's Republic of Korea	2018	1.299564	0.802576
28	Democratic People's Republic of Korea	2019	1.295109	0.802939
29	Democratic Republic of the Congo	1990	0.725667	0.623441
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Democratic Republic of the Congo	1991	0.740756	0.629281
Democratic Republic of the Congo	1992	0.75213	0.632608
Democratic Republic of the Congo	1993	0.766523	0.637728
Democratic Republic of the Congo	1994	0.77596	0.638698
Democratic Republic of the Congo	1995	0.783725	0.63836
Democratic Republic of the Congo	1996	0.809876	0.651945
Democratic Republic of the Congo	1997	0.808153	0.642786
Democratic Republic of the Congo	1998	0.825377	0.648066
Democratic Republic of the Congo	1999	0.839514	0.651081
Democratic Republic of the Congo	2000	0.857808	0.657211
Democratic Republic of the Congo	2001	0.880893	0.668343
Democratic Republic of the Congo	2002	0.900827	0.677205
Democratic Republic of the Congo	2003	0.915041	0.684614
Democratic Republic of the Congo	2004	0.928388	0.689952
Democratic Republic of the Congo	2005	0.935923	0.692857
Democratic Republic of the Congo	2006	0.938317	0.693584
Democratic Republic of the Congo	2007	0.934732	0.69219
Democratic Republic of the Congo	2008	0.927033	0.689089
Democratic Republic of the Congo	2009	0.92225	0.687671
Democratic Republic of the Congo	2010	0.913491	0.68321
Democratic Republic of the Congo	2011	0.903043	0.679241
Democratic Republic of the Congo	2012	0.896883	0.678318
Democratic Republic of the Congo	2013	0.889759	0.677695
Democratic Republic of the Congo	2014	0.884106	0.678253
Democratic Republic of the Congo	2015	0.885333	0.681047

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5	Democratic Republic of the Congo	2016	0.883509	0.685571
6	Democratic Republic of the Congo	2017	0.883648	0.690975
7	Democratic Republic of the Congo	2018	0.878558	0.693063
8	Democratic Republic of the Congo	2019	0.876196	0.69748
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10	Denmark	1990	0.914828	0.580452
11	Denmark	1991	0.912012	0.572928
12	Denmark	1992	0.890685	0.554798
13	Denmark	1993	0.87468	0.544928
14	Denmark	1994	0.831742	0.522527
15	Denmark	1995	0.824691	0.520423
16	Denmark	1996	0.81649	0.514111
17	Denmark	1997	0.821561	0.517473
18	Denmark	1998	0.800373	0.502251
19	Denmark	1999	0.798478	0.504149
20	Denmark	2000	0.814684	0.504074
21	Denmark	2001	0.824117	0.502832
22	Denmark	2002	0.839073	0.506498
23	Denmark	2003	0.834985	0.501439
24	Denmark	2004	0.840014	0.504647
25	Denmark	2005	0.859294	0.51366
26	Denmark	2006	0.872854	0.519461
27	Denmark	2007	0.897032	0.531496
28	Denmark	2008	0.907035	0.535438
29	Denmark	2009	0.901804	0.534455
30	Denmark	2010	0.913237	0.543388
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Denmark	2011	0.930847	0.55667
Denmark	2012	0.925529	0.557666
Denmark	2013	0.909819	0.55261
Denmark	2014	0.911329	0.558367
Denmark	2015	0.920682	0.572028
Denmark	2016	0.891396	0.563705
Denmark	2017	0.87517	0.562369
Denmark	2018	0.856567	0.559299
Denmark	2019	0.83897	0.555753
Djibouti	1990	0.63711	0.62949
Djibouti	1991	0.640369	0.623249
Djibouti	1992	0.633152	0.617298
Djibouti	1993	0.612619	0.606712
Djibouti	1994	0.606436	0.600977
Djibouti	1995	0.597126	0.597611
Djibouti	1996	0.591292	0.597983
Djibouti	1997	0.591939	0.603648
Djibouti	1998	0.589677	0.60793
Djibouti	1999	0.591275	0.614159
Djibouti	2000	0.589404	0.615726
Djibouti	2001	0.588645	0.619655
Djibouti	2002	0.588821	0.624743
Djibouti	2003	0.59524	0.632076
Djibouti	2004	0.600295	0.640742
Djibouti	2005	0.604165	0.646974

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Djibouti	2006	0.607081	0.651123
Djibouti	2007	0.59813	0.646241
Djibouti	2008	0.592115	0.644566
Djibouti	2009	0.593195	0.649664
Djibouti	2010	0.596027	0.655453
Djibouti	2011	0.597782	0.661758
Djibouti	2012	0.601631	0.66921
Djibouti	2013	0.607341	0.678561
Djibouti	2014	0.609306	0.685456
Djibouti	2015	0.613572	0.691928
Djibouti	2016	0.616979	0.699061
Djibouti	2017	0.620938	0.707408
Djibouti	2018	0.622501	0.713307
Djibouti	2019	0.623897	0.718761
Dominica	1990	1.022575	0.68341
Dominica	1991	1.030748	0.681536
Dominica	1992	0.966633	0.635319
Dominica	1993	0.955614	0.621836
Dominica	1994	0.967154	0.623203
Dominica	1995	0.971693	0.621751
Dominica	1996	0.982772	0.625897
Dominica	1997	0.995791	0.633172
Dominica	1998	1.014203	0.645226
Dominica	1999	1.07042	0.681689
Dominica	2000	1.106362	0.706969

Dominica	2001	1.133138	0.731554
Dominica	2002	1.144745	0.752951
Dominica	2003	1.130896	0.76167
Dominica	2004	1.100279	0.756289
Dominica	2005	1.098023	0.757618
Dominica	2006	1.097205	0.766254
Dominica	2007	1.086021	0.768361
Dominica	2008	1.059714	0.765443
Dominica	2009	1.039281	0.764358
Dominica	2010	1.017251	0.762748
Dominica	2011	1.00979	0.773488
Dominica	2012	0.988291	0.776944
Dominica	2013	0.972341	0.779038
Dominica	2014	0.951066	0.776249
Dominica	2015	0.929208	0.769479
Dominica	2016	0.924913	0.775782
Dominica	2017	0.916874	0.778058
Dominica	2018	0.909062	0.779735
Dominica	2019	0.902622	0.781262
Dominican Republic	1990	0.792257	0.775078
Dominican Republic	1991	0.813805	0.79193
Dominican Republic	1992	0.834425	0.808714
Dominican Republic	1993	0.867692	0.836164
Dominican Republic	1994	0.831727	0.799803
Dominican Republic	1995	0.788926	0.756014

Dominican Republic	1996	0.750525	0.710374
Dominican Republic	1997	0.727226	0.680711
Dominican Republic	1998	0.704717	0.653237
Dominican Republic	1999	0.655838	0.600255
Dominican Republic	2000	0.667709	0.608755
Dominican Republic	2001	0.683421	0.621056
Dominican Republic	2002	0.672707	0.608319
Dominican Republic	2003	0.688722	0.619241
Dominican Republic	2004	0.716078	0.641397
Dominican Republic	2005	0.748373	0.669059
Dominican Republic	2006	0.755305	0.675231
Dominican Republic	2007	0.762239	0.680346
Dominican Republic	2008	0.776457	0.691661
Dominican Republic	2009	0.795809	0.710386
Dominican Republic	2010	0.808009	0.727011
Dominican Republic	2011	0.795596	0.723439
Dominican Republic	2012	0.780869	0.71514
Dominican Republic	2013	0.77778	0.715245
Dominican Republic	2014	0.790124	0.729196
Dominican Republic	2015	0.802808	0.741573
Dominican Republic	2016	0.815963	0.755204
Dominican Republic	2017	0.835907	0.773302
Dominican Republic	2018	0.852982	0.787151
Dominican Republic	2019	0.867118	0.7988
Ecuador	1990	1.004058	1.011805

Ecuador	1991	0.968923	0.969688
Ecuador	1992	1.003831	0.998713
Ecuador	1993	0.991662	0.981519
Ecuador	1994	0.975175	0.96323
Ecuador	1995	0.969265	0.958788
Ecuador	1996	0.955254	0.945169
Ecuador	1997	0.963522	0.948701
Ecuador	1998	0.952234	0.929045
Ecuador	1999	0.923097	0.898357
Ecuador	2000	0.945688	0.918728
Ecuador	2001	0.850152	0.82902
Ecuador	2002	0.961827	0.929527
Ecuador	2003	1.002522	0.961998
Ecuador	2004	0.951695	0.910259
Ecuador	2005	0.933601	0.891627
Ecuador	2006	0.935124	0.891747
Ecuador	2007	0.923045	0.875347
Ecuador	2008	0.908829	0.848903
Ecuador	2009	0.909745	0.838831
Ecuador	2010	0.905887	0.830621
Ecuador	2011	0.872038	0.795452
Ecuador	2012	0.948539	0.857824
Ecuador	2013	0.954923	0.857567
Ecuador	2014	0.945461	0.846159
Ecuador	2015	0.933084	0.834753



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Ecuador	2016	0.940996	0.838891
Ecuador	2017	0.946693	0.839503
Ecuador	2018	0.958062	0.848115
Ecuador	2019	0.982864	0.871573
Egypt	1990	1.352837	1.300901
Egypt	1991	1.345168	1.317427
Egypt	1992	1.356801	1.35033
Egypt	1993	1.359543	1.369332
Egypt	1994	1.336761	1.356111
Egypt	1995	1.314426	1.347094
Egypt	1996	1.356722	1.410277
Egypt	1997	1.367379	1.441698
Egypt	1998	1.367158	1.459711
Egypt	1999	1.357297	1.482505
Egypt	2000	1.355486	1.547564
Egypt	2001	1.340398	1.572534
Egypt	2002	1.300644	1.537725
Egypt	2003	1.241502	1.444409
Egypt	2004	1.231767	1.42514
Egypt	2005	1.259757	1.48129
Egypt	2006	1.273849	1.56127
Egypt	2007	1.241724	1.559132
Egypt	2008	1.2281	1.558302
Egypt	2009	1.221783	1.566194
Egypt	2010	1.223014	1.588974

Egypt	2011	1.166152	1.543971
Egypt	2012	1.181251	1.56277
Egypt	2013	1.128811	1.5249
Egypt	2014	1.142337	1.587852
Egypt	2015	1.165619	1.642986
Egypt	2016	1.160821	1.652987
Egypt	2017	1.148174	1.63138
Egypt	2018	1.137364	1.622527
Egypt	2019	1.124721	1.598394
El Salvador	1990	0.73088	0.628185
El Salvador	1991	0.70667	0.605372
El Salvador	1992	0.706118	0.602843
El Salvador	1993	0.690439	0.588379
El Salvador	1994	0.691847	0.586128
El Salvador	1995	0.625846	0.525309
El Salvador	1996	0.678738	0.566622
El Salvador	1997	0.642916	0.534002
El Salvador	1998	0.567219	0.466982
El Salvador	1999	0.592851	0.484268
El Salvador	2000	0.547509	0.443736
El Salvador	2001	0.570958	0.459772
El Salvador	2002	0.57284	0.458034
El Salvador	2003	0.540174	0.428803
El Salvador	2004	0.519341	0.408988
El Salvador	2005	0.506918	0.396288

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El Salvador	2006	0.491691	0.381601
El Salvador	2007	0.506517	0.390121
El Salvador	2008	0.5161	0.394159
El Salvador	2009	0.523686	0.396446
El Salvador	2010	0.551921	0.415391
El Salvador	2011	0.554047	0.414798
El Salvador	2012	0.581725	0.432742
El Salvador	2013	0.60464	0.447815
El Salvador	2014	0.563794	0.416177
El Salvador	2015	0.565509	0.415662
El Salvador	2016	0.560112	0.409023
El Salvador	2017	0.573525	0.415772
El Salvador	2018	0.589898	0.425152
El Salvador	2019	0.588189	0.420935
Equatorial Guinea	1990	0.633973	0.475046
Equatorial Guinea	1991	0.643732	0.476437
Equatorial Guinea	1992	0.648953	0.474689
Equatorial Guinea	1993	0.667183	0.482076
Equatorial Guinea	1994	0.685891	0.489868
Equatorial Guinea	1995	0.695666	0.493196
Equatorial Guinea	1996	0.719499	0.505742
Equatorial Guinea	1997	0.726417	0.506651
Equatorial Guinea	1998	0.743037	0.514358
Equatorial Guinea	1999	0.75764	0.522421
Equatorial Guinea	2000	0.771162	0.530608

Equatorial Guinea	2001	0.78625	0.541806
Equatorial Guinea	2002	0.813222	0.560839
Equatorial Guinea	2003	0.844645	0.586309
Equatorial Guinea	2004	0.864957	0.605754
Equatorial Guinea	2005	0.883082	0.624017
Equatorial Guinea	2006	0.89857	0.641249
Equatorial Guinea	2007	0.903298	0.651933
Equatorial Guinea	2008	0.921692	0.668859
Equatorial Guinea	2009	0.937131	0.689382
Equatorial Guinea	2010	0.954428	0.707902
Equatorial Guinea	2011	0.94896	0.713287
Equatorial Guinea	2012	0.934341	0.710454
Equatorial Guinea	2013	0.911668	0.701174
Equatorial Guinea	2014	0.904311	0.702942
Equatorial Guinea	2015	0.913769	0.712517
Equatorial Guinea	2016	0.908977	0.71704
Equatorial Guinea	2017	0.899726	0.715847
Equatorial Guinea	2018	0.895166	0.716091
Equatorial Guinea	2019	0.892762	0.716859
Eritrea	1990	0.677516	0.486014
Eritrea	1991	0.66837	0.481683
Eritrea	1992	0.653672	0.476384
Eritrea	1993	0.635299	0.468895
Eritrea	1994	0.617765	0.463212
Eritrea	1995	0.585629	0.44997

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Eritrea	1996	0.592799	0.455702
Eritrea	1997	0.604464	0.46541
Eritrea	1998	0.622404	0.477271
Eritrea	1999	0.635233	0.488692
Eritrea	2000	0.652666	0.502612
Eritrea	2001	0.672426	0.51557
Eritrea	2002	0.682087	0.528655
Eritrea	2003	0.696141	0.540144
Eritrea	2004	0.706811	0.548242
Eritrea	2005	0.717387	0.555826
Eritrea	2006	0.721666	0.559545
Eritrea	2007	0.726562	0.563659
Eritrea	2008	0.729562	0.567179
Eritrea	2009	0.733471	0.571313
Eritrea	2010	0.736993	0.57369
Eritrea	2011	0.747012	0.581633
Eritrea	2012	0.75857	0.592977
Eritrea	2013	0.770296	0.603493
Eritrea	2014	0.780923	0.612417
Eritrea	2015	0.787631	0.620088
Eritrea	2016	0.794511	0.628143
Eritrea	2017	0.800615	0.636744
Eritrea	2018	0.801815	0.641395
Eritrea	2019	0.803849	0.647501
Estonia	1990	1.274667	0.544356

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5	Estonia	1991	1.290002	0.556613
6	Estonia	1992	1.239721	0.541388
7	Estonia	1993	1.200974	0.542798
8	Estonia	1994	1.151173	0.550592
9	Estonia	1995	1.128166	0.54486
10	Estonia	1996	1.176935	0.562217
11	Estonia	1997	1.14876	0.552321
12	Estonia	1998	1.1261	0.544524
13	Estonia	1999	1.166972	0.555235
14	Estonia	2000	1.255561	0.597795
15	Estonia	2001	1.252541	0.599208
16	Estonia	2002	1.205019	0.568907
17	Estonia	2003	1.249495	0.580201
18	Estonia	2004	1.197993	0.548705
19	Estonia	2005	1.175965	0.531529
20	Estonia	2006	1.137999	0.513165
21	Estonia	2007	1.110521	0.499568
22	Estonia	2008	1.187032	0.526966
23	Estonia	2009	1.18254	0.520329
24	Estonia	2010	1.25962	0.543306
25	Estonia	2011	1.367921	0.587629
26	Estonia	2012	1.43354	0.605071
27	Estonia	2013	1.638015	0.678218
28	Estonia	2014	1.681019	0.688145
29	Estonia	2015	1.90245	0.76673
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Estonia	2016	1.966618	0.787203
Estonia	2017	1.978323	0.797514
Estonia	2018	1.945837	0.792401
Estonia	2019	1.91689	0.789282
Eswatini	1990	0.643432	0.445885
Eswatini	1991	0.655902	0.454929
Eswatini	1992	0.663034	0.459787
Eswatini	1993	0.659477	0.458163
Eswatini	1994	0.641934	0.450227
Eswatini	1995	0.629765	0.446376
Eswatini	1996	0.592986	0.428342
Eswatini	1997	0.575288	0.419633
Eswatini	1998	0.56769	0.418709
Eswatini	1999	0.58138	0.430021
Eswatini	2000	0.615204	0.455989
Eswatini	2001	0.622836	0.464538
Eswatini	2002	0.648366	0.482734
Eswatini	2003	0.645587	0.482052
Eswatini	2004	0.637776	0.475359
Eswatini	2005	0.637936	0.473051
Eswatini	2006	0.619484	0.459317
Eswatini	2007	0.596666	0.442398
Eswatini	2008	0.56799	0.420904
Eswatini	2009	0.549777	0.405457
Eswatini	2010	0.532729	0.390103

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5	Eswatini	2011	0.519468	0.377501
6	Eswatini	2012	0.512695	0.369766
7	Eswatini	2013	0.511534	0.36584
8	Eswatini	2014	0.513582	0.364059
9	Eswatini	2015	0.512443	0.360656
10	Eswatini	2016	0.510467	0.35706
11	Eswatini	2017	0.514681	0.357329
12	Eswatini	2018	0.519338	0.357931
13	Eswatini	2019	0.524167	0.358968
14	Ethiopia	1990	0.720756	0.703844
15	Ethiopia	1991	0.715509	0.706314
16	Ethiopia	1992	0.718831	0.717897
17	Ethiopia	1993	0.720067	0.728498
18	Ethiopia	1994	0.721361	0.73772
19	Ethiopia	1995	0.720699	0.743548
20	Ethiopia	1996	0.720125	0.749094
21	Ethiopia	1997	0.718258	0.753969
22	Ethiopia	1998	0.724515	0.767056
23	Ethiopia	1999	0.728246	0.775891
24	Ethiopia	2000	0.71538	0.766805
25	Ethiopia	2001	0.705973	0.758366
26	Ethiopia	2002	0.699858	0.754009
27	Ethiopia	2003	0.692711	0.749821
28	Ethiopia	2004	0.689158	0.749999
29	Ethiopia	2005	0.690604	0.752846
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Ethiopia	2006	0.682452	0.745788
Ethiopia	2007	0.671544	0.734216
Ethiopia	2008	0.659778	0.722532
Ethiopia	2009	0.65182	0.715305
Ethiopia	2010	0.643618	0.708825
Ethiopia	2011	0.641285	0.705564
Ethiopia	2012	0.633994	0.697198
Ethiopia	2013	0.62824	0.691475
Ethiopia	2014	0.626243	0.687038
Ethiopia	2015	0.625936	0.68562
Ethiopia	2016	0.629331	0.686995
Ethiopia	2017	0.638242	0.693243
Ethiopia	2018	0.645523	0.699145
Ethiopia	2019	0.651966	0.705008
Fiji	1990	0.73655	0.628208
Fiji	1991	0.723556	0.608009
Fiji	1992	0.714756	0.592527
Fiji	1993	0.705691	0.578871
Fiji	1994	0.69546	0.563871
Fiji	1995	0.691654	0.557138
Fiji	1996	0.700723	0.561307
Fiji	1997	0.704771	0.562422
Fiji	1998	0.706182	0.563969
Fiji	1999	0.687221	0.548343
Fiji	2000	0.689676	0.54438

Fiji	2001	0.674743	0.523954
Fiji	2002	0.714503	0.533768
Fiji	2003	0.766211	0.56517
Fiji	2004	0.772718	0.564366
Fiji	2005	0.738173	0.546633
Fiji	2006	0.729158	0.534349
Fiji	2007	0.744471	0.528667
Fiji	2008	0.779592	0.571697
Fiji	2009	0.799191	0.589837
Fiji	2010	0.774052	0.569211
Fiji	2011	0.744256	0.551047
Fiji	2012	0.721319	0.541473
Fiji	2013	0.719478	0.54105
Fiji	2014	0.721526	0.53809
Fiji	2015	0.728084	0.540392
Fiji	2016	0.734806	0.543516
Fiji	2017	0.741654	0.545391
Fiji	2018	0.748133	0.547693
Fiji	2019	0.754193	0.549577
Finland	1990	1.369762	0.651588
Finland	1991	1.404089	0.664806
Finland	1992	1.447397	0.683359
Finland	1993	1.473253	0.693502
Finland	1994	1.479108	0.699452
Finland	1995	1.437902	0.685172

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5	Finland	1996	1.4051	0.675676
6	Finland	1997	1.369332	0.663419
7	Finland	1998	1.273109	0.620794
8	Finland	1999	1.23956	0.605483
9	Finland	2000	1.255896	0.613356
10	Finland	2001	1.225525	0.599665
11	Finland	2002	1.211362	0.593411
12	Finland	2003	1.235058	0.606439
13	Finland	2004	1.240611	0.615839
14	Finland	2005	1.268837	0.630773
15	Finland	2006	1.315871	0.655994
16	Finland	2007	1.334793	0.667858
17	Finland	2008	1.346856	0.675729
18	Finland	2009	1.349785	0.681902
19	Finland	2010	1.368822	0.693519
20	Finland	2011	1.41426	0.719419
21	Finland	2012	1.442101	0.737073
22	Finland	2013	1.456253	0.75094
23	Finland	2014	1.463376	0.761748
24	Finland	2015	1.504316	0.790889
25	Finland	2016	1.486986	0.792614
26	Finland	2017	1.435595	0.779339
27	Finland	2018	1.41599	0.781929
28	Finland	2019	1.386159	0.777876
29	France	1990	1.124202	0.523527
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5	France	1991	1.122316	0.524504
6	France	1992	1.12034	0.524787
7	France	1993	1.117802	0.526191
8	France	1994	1.118268	0.528797
9	France	1995	1.112993	0.527024
10	France	1996	1.101909	0.522307
11	France	1997	1.105504	0.522596
12	France	1998	1.107177	0.530535
13	France	1999	1.10903	0.534938
14	France	2000	1.107854	0.537168
15	France	2001	1.110105	0.543565
16	France	2002	1.102	0.545481
17	France	2003	1.084393	0.542172
18	France	2004	1.077414	0.54228
19	France	2005	1.06193	0.535116
20	France	2006	1.067723	0.539183
21	France	2007	1.075779	0.545688
22	France	2008	1.090466	0.555471
23	France	2009	1.07957	0.551918
24	France	2010	1.086085	0.553398
25	France	2011	1.095191	0.55705
26	France	2012	1.104754	0.562202
27	France	2013	1.102879	0.564467
28	France	2014	1.10743	0.570799
29	France	2015	1.089102	0.563704
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France	2016	1.076047	0.555978
France	2017	1.062053	0.548646
France	2018	1.078987	0.558974
France	2019	1.072237	0.558669
Gabon	1990	0.663018	0.510695
Gabon	1991	0.671655	0.519702
Gabon	1992	0.671388	0.52192
Gabon	1993	0.685336	0.532449
Gabon	1994	0.707166	0.549661
Gabon	1995	0.711069	0.555824
Gabon	1996	0.747609	0.582971
Gabon	1997	0.769173	0.598567
Gabon	1998	0.796265	0.617671
Gabon	1999	0.831864	0.641644
Gabon	2000	0.848369	0.653986
Gabon	2001	0.876541	0.676621
Gabon	2002	0.887885	0.685029
Gabon	2003	0.917659	0.709144
Gabon	2004	0.940511	0.72639
Gabon	2005	0.941471	0.727273
Gabon	2006	0.957229	0.739157
Gabon	2007	0.939534	0.730543
Gabon	2008	0.943992	0.736346
Gabon	2009	0.937137	0.731371
Gabon	2010	0.928266	0.72189

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5	Gabon	2011	0.931747	0.725053
6	Gabon	2012	0.920242	0.718091
7	Gabon	2013	0.907997	0.709801
8	Gabon	2014	0.913089	0.712937
9	Gabon	2015	0.921649	0.71807
10	Gabon	2016	0.920729	0.721385
11	Gabon	2017	0.921713	0.725495
12	Gabon	2018	0.922917	0.729617
13	Gabon	2019	0.923103	0.73276
14	Gambia	1990	0.755805	0.755747
15	Gambia	1991	0.756823	0.756088
16	Gambia	1992	0.758184	0.75924
17	Gambia	1993	0.758936	0.757261
18	Gambia	1994	0.755326	0.750572
19	Gambia	1995	0.753686	0.753222
20	Gambia	1996	0.751364	0.743599
21	Gambia	1997	0.749738	0.739091
22	Gambia	1998	0.750354	0.73916
23	Gambia	1999	0.743484	0.732456
24	Gambia	2000	0.74646	0.72468
25	Gambia	2001	0.746679	0.717698
26	Gambia	2002	0.747766	0.711503
27	Gambia	2003	0.752355	0.712861
28	Gambia	2004	0.755842	0.713817
29	Gambia	2005	0.755955	0.71042
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Gambia	2006	0.757416	0.705952
Gambia	2007	0.75523	0.700773
Gambia	2008	0.754458	0.692666
Gambia	2009	0.752537	0.689476
Gambia	2010	0.753068	0.686471
Gambia	2011	0.755772	0.679598
Gambia	2012	0.759236	0.680795
Gambia	2013	0.756697	0.679521
Gambia	2014	0.763619	0.690755
Gambia	2015	0.769482	0.692325
Gambia	2016	0.773885	0.699811
Gambia	2017	0.778738	0.706126
Gambia	2018	0.781179	0.70658
Gambia	2019	0.783745	0.708702
Georgia	1990	0.890262	0.542133
Georgia	1991	0.872831	0.536789
Georgia	1992	0.850246	0.525619
Georgia	1993	0.863035	0.531854
Georgia	1994	0.862277	0.535854
Georgia	1995	0.840688	0.527101
Georgia	1996	0.842497	0.532042
Georgia	1997	0.82724	0.521857
Georgia	1998	0.793438	0.501139
Georgia	1999	0.801938	0.500857
Georgia	2000	0.879865	0.543389

Georgia	2001	0.899387	0.565607
Georgia	2002	0.884306	0.551759
Georgia	2003	0.910865	0.563177
Georgia	2004	0.933848	0.577696
Georgia	2005	0.978952	0.607314
Georgia	2006	0.962763	0.605212
Georgia	2007	0.930799	0.599638
Georgia	2008	0.915016	0.592516
Georgia	2009	0.943313	0.605152
Georgia	2010	0.947623	0.596383
Georgia	2011	0.95614	0.599604
Georgia	2012	0.978096	0.606573
Georgia	2013	1.014494	0.623579
Georgia	2014	0.991503	0.604425
Georgia	2015	0.965315	0.584449
Georgia	2016	0.950849	0.575343
Georgia	2017	0.947486	0.573143
Georgia	2018	0.940168	0.571439
Georgia	2019	0.93624	0.569532
Germany	1990	1.487969	0.738576
Germany	1991	1.466275	0.722103
Germany	1992	1.461023	0.715904
Germany	1993	1.449296	0.70554
Germany	1994	1.444447	0.697681
Germany	1995	1.444922	0.689009



Germany	1996	1.453565	0.686347
Germany	1997	1.483836	0.696893
Germany	1998	1.514594	0.710752
Germany	1999	1.533725	0.718637
Germany	2000	1.553591	0.722254
Germany	2001	1.573124	0.730431
Germany	2002	1.582824	0.736649
Germany	2003	1.574148	0.73842
Germany	2004	1.599898	0.756378
Germany	2005	1.612897	0.768233
Germany	2006	1.602888	0.772032
Germany	2007	1.593446	0.782936
Germany	2008	1.578264	0.792426
Germany	2009	1.556308	0.796146
Germany	2010	1.52725	0.787571
Germany	2011	1.537922	0.783764
Germany	2012	1.527116	0.781158
Germany	2013	1.517234	0.781468
Germany	2014	1.517122	0.78274
Germany	2015	1.509834	0.785566
Germany	2016	1.518061	0.798449
Germany	2017	1.476666	0.804041
Germany	2018	1.444126	0.80565
Germany	2019	1.416778	0.808654
Ghana	1990	1.389388	1.181071

Ghana	1991	1.395297	1.186086
Ghana	1992	1.406856	1.198388
Ghana	1993	1.408088	1.203505
Ghana	1994	1.396314	1.196408
Ghana	1995	1.382803	1.186929
Ghana	1996	1.372057	1.179342
Ghana	1997	1.34008	1.155532
Ghana	1998	1.304774	1.127515
Ghana	1999	1.250913	1.082697
Ghana	2000	1.228704	1.061556
Ghana	2001	1.221506	1.049951
Ghana	2002	1.201741	1.027726
Ghana	2003	1.174967	1.001459
Ghana	2004	1.13319	0.962102
Ghana	2005	1.104291	0.932732
Ghana	2006	1.079481	0.906283
Ghana	2007	1.070195	0.892958
Ghana	2008	1.057559	0.875779
Ghana	2009	1.052341	0.864954
Ghana	2010	1.05498	0.860277
Ghana	2011	1.049814	0.85044
Ghana	2012	1.043791	0.839396
Ghana	2013	1.043172	0.832323
Ghana	2014	1.057851	0.837805
Ghana	2015	1.068515	0.839101

Ghana	2016	1.087431	0.848637
Ghana	2017	1.108864	0.860005
Ghana	2018	1.125883	0.868676
Ghana	2019	1.142967	0.877856
Greece	1990	1.161016	0.870098
Greece	1991	1.167773	0.882825
Greece	1992	1.161076	0.883274
Greece	1993	1.161909	0.888873
Greece	1994	1.167579	0.899013
Greece	1995	1.161049	0.897684
Greece	1996	1.147164	0.891019
Greece	1997	1.144252	0.892744
Greece	1998	1.149091	0.900029
Greece	1999	1.119722	0.880614
Greece	2000	1.101564	0.871094
Greece	2001	1.115135	0.886731
Greece	2002	1.140613	0.916072
Greece	2003	1.15732	0.940811
Greece	2004	1.159749	0.955428
Greece	2005	1.163923	0.972318
Greece	2006	1.182637	0.993248
Greece	2007	1.175831	0.97592
Greece	2008	1.190464	0.969062
Greece	2009	1.153453	0.941996
Greece	2010	1.136643	0.928388

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5	Greece	2011	1.105891	0.892206
6	Greece	2012	1.086592	0.867041
7	Greece	2013	1.079777	0.850836
8	Greece	2014	1.04619	0.814348
9	Greece	2015	1.030625	0.789385
10	Greece	2016	1.028167	0.775855
11	Greece	2017	1.037304	0.773643
12	Greece	2018	1.091329	0.802598
13	Greece	2019	1.105053	0.80773
14	Greenland	1990	0.849346	0.693694
15	Greenland	1991	0.859043	0.699506
16	Greenland	1992	0.874645	0.708875
17	Greenland	1993	1.013236	0.83206
18	Greenland	1994	1.037787	0.873406
19	Greenland	1995	1.033608	0.886208
20	Greenland	1996	1.060839	0.925261
21	Greenland	1997	1.091328	0.971297
22	Greenland	1998	1.046899	0.961443
23	Greenland	1999	0.997845	0.942449
24	Greenland	2000	0.94211	0.901702
25	Greenland	2001	0.936488	0.907813
26	Greenland	2002	0.927296	0.904154
27	Greenland	2003	0.835465	0.819147
28	Greenland	2004	0.69175	0.688599
29	Greenland	2005	0.709612	0.700803
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Greenland	2006	0.706598	0.692802
Greenland	2007	0.705793	0.686308
Greenland	2008	0.700539	0.680087
Greenland	2009	0.683503	0.668978
Greenland	2010	0.672699	0.652435
Greenland	2011	0.660619	0.635534
Greenland	2012	0.635943	0.609095
Greenland	2013	0.625224	0.595312
Greenland	2014	0.621571	0.594696
Greenland	2015	0.622625	0.590524
Greenland	2016	0.63024	0.59461
Greenland	2017	0.631927	0.596305
Greenland	2018	0.636475	0.598319
Greenland	2019	0.633015	0.600239
Grenada	1990	0.797821	0.554947
Grenada	1991	0.791908	0.547582
Grenada	1992	0.797965	0.545611
Grenada	1993	0.866844	0.585903
Grenada	1994	0.868726	0.585653
Grenada	1995	0.866269	0.584739
Grenada	1996	0.831677	0.564078
Grenada	1997	0.811707	0.552665
Grenada	1998	0.799312	0.544226
Grenada	1999	0.688282	0.455645
Grenada	2000	0.68774	0.439827

Grenada	2001	0.702495	0.43759
Grenada	2002	0.711655	0.432377
Grenada	2003	0.71962	0.428494
Grenada	2004	0.732755	0.430247
Grenada	2005	0.760413	0.437206
Grenada	2006	0.78936	0.443967
Grenada	2007	0.822661	0.462776
Grenada	2008	0.842693	0.483301
Grenada	2009	0.882412	0.508339
Grenada	2010	0.903844	0.527307
Grenada	2011	0.928404	0.573847
Grenada	2012	1.001204	0.718206
Grenada	2013	0.981917	0.7194
Grenada	2014	0.951772	0.711073
Grenada	2015	0.919374	0.703207
Grenada	2016	0.859129	0.659112
Grenada	2017	0.835568	0.652602
Grenada	2018	0.826236	0.657412
Grenada	2019	0.810856	0.655619
Guam	1990	1.204419	1.189679
Guam	1991	1.208766	1.188058
Guam	1992	1.195287	1.167342
Guam	1993	1.16717	1.105228
Guam	1994	1.107875	1.004316
Guam	1995	1.172072	1.084015

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Guam	1996	1.186921	1.127987
Guam	1997	1.133647	1.085355
Guam	1998	1.1296	1.075936
Guam	1999	1.158874	1.091652
Guam	2000	1.174389	1.100938
Guam	2001	1.203948	1.136096
Guam	2002	1.200842	1.132682
Guam	2003	1.238955	1.160038
Guam	2004	1.113806	1.021279
Guam	2005	0.964523	0.850896
Guam	2006	0.944381	0.819772
Guam	2007	0.929106	0.797947
Guam	2008	0.923572	0.78604
Guam	2009	0.931624	0.788499
Guam	2010	0.940753	0.797387
Guam	2011	0.956968	0.812158
Guam	2012	0.983131	0.836726
Guam	2013	1.004146	0.860112
Guam	2014	1.001106	0.863148
Guam	2015	1.003953	0.86564
Guam	2016	0.994553	0.85511
Guam	2017	1.009881	0.866865
Guam	2018	1.025338	0.885139
Guam	2019	1.062923	0.918484
Guatemala	1990	0.953023	0.953895

Guatemala	1991	0.933729	0.929254
Guatemala	1992	0.92926	0.918512
Guatemala	1993	0.914013	0.90221
Guatemala	1994	0.896312	0.885135
Guatemala	1995	0.890006	0.871973
Guatemala	1996	0.901921	0.86863
Guatemala	1997	0.899852	0.857182
Guatemala	1998	0.872046	0.812846
Guatemala	1999	0.865173	0.791137
Guatemala	2000	0.863256	0.781043
Guatemala	2001	0.820782	0.743524
Guatemala	2002	0.83644	0.740421
Guatemala	2003	0.84415	0.738636
Guatemala	2004	0.843046	0.720606
Guatemala	2005	0.838576	0.707155
Guatemala	2006	0.856915	0.71003
Guatemala	2007	0.868494	0.712748
Guatemala	2008	0.88503	0.714982
Guatemala	2009	0.910003	0.728899
Guatemala	2010	0.930968	0.739534
Guatemala	2011	0.943079	0.746912
Guatemala	2012	0.956022	0.754441
Guatemala	2013	0.95592	0.752758
Guatemala	2014	0.970023	0.757865
Guatemala	2015	0.969041	0.752183



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Guatemala	2016	0.983854	0.758866
Guatemala	2017	0.994562	0.768067
Guatemala	2018	0.99077	0.763013
Guatemala	2019	0.995586	0.764309
Guinea-Bissau	1990	0.748122	0.670412
Guinea-Bissau	1991	0.75664	0.671111
Guinea-Bissau	1992	0.764453	0.671795
Guinea-Bissau	1993	0.770896	0.671429
Guinea-Bissau	1994	0.775841	0.67024
Guinea-Bissau	1995	0.778009	0.667293
Guinea-Bissau	1996	0.781511	0.664792
Guinea-Bissau	1997	0.784534	0.662213
Guinea-Bissau	1998	0.781983	0.655103
Guinea-Bissau	1999	0.773202	0.643304
Guinea-Bissau	2000	0.774928	0.639101
Guinea-Bissau	2001	0.769671	0.63055
Guinea-Bissau	2002	0.776817	0.632411
Guinea-Bissau	2003	0.783424	0.634572
Guinea-Bissau	2004	0.781804	0.630986
Guinea-Bissau	2005	0.777461	0.625183
Guinea-Bissau	2006	0.785814	0.629214
Guinea-Bissau	2007	0.790956	0.63183
Guinea-Bissau	2008	0.789619	0.630173
Guinea-Bissau	2009	0.791031	0.630407
Guinea-Bissau	2010	0.788492	0.627204

Guinea-Bissau	2011	0.780258	0.621232
Guinea-Bissau	2012	0.77979	0.621828
Guinea-Bissau	2013	0.775523	0.619504
Guinea-Bissau	2014	0.781231	0.623934
Guinea-Bissau	2015	0.785211	0.627208
Guinea-Bissau	2016	0.790123	0.632173
Guinea-Bissau	2017	0.794982	0.636694
Guinea-Bissau	2018	0.794557	0.636869
Guinea-Bissau	2019	0.79691	0.639962
Guinea	1990	1.106482	1.06805
Guinea	1991	1.101821	1.062402
Guinea	1992	1.092566	1.051668
Guinea	1993	1.079614	1.036735
Guinea	1994	1.063496	1.018359
Guinea	1995	1.044157	0.994427
Guinea	1996	1.023563	0.970226
Guinea	1997	1.003974	0.94782
Guinea	1998	0.984752	0.924564
Guinea	1999	0.959149	0.894479
Guinea	2000	0.948271	0.875656
Guinea	2001	0.93673	0.86105
Guinea	2002	0.926789	0.848561
Guinea	2003	0.921873	0.840532
Guinea	2004	0.914807	0.83004
Guinea	2005	0.909379	0.821056

Guinea	2006	0.897855	0.809873
Guinea	2007	0.88313	0.797058
Guinea	2008	0.8682	0.784253
Guinea	2009	0.856308	0.774402
Guinea	2010	0.844945	0.765219
Guinea	2011	0.838392	0.761209
Guinea	2012	0.832401	0.75916
Guinea	2013	0.825926	0.757267
Guinea	2014	0.825605	0.761087
Guinea	2015	0.827532	0.766111
Guinea	2016	0.830462	0.774096
Guinea	2017	0.833695	0.783024
Guinea	2018	0.834033	0.789338
Guinea	2019	0.836231	0.796133
Guyana	1990	0.804795	0.730845
Guyana	1991	0.825743	0.745172
Guyana	1992	0.815942	0.730925
Guyana	1993	0.815344	0.715393
Guyana	1994	0.833385	0.730953
Guyana	1995	0.82273	0.725093
Guyana	1996	0.826799	0.72395
Guyana	1997	0.801758	0.710721
Guyana	1998	0.804478	0.710939
Guyana	1999	0.816289	0.717467
Guyana	2000	0.851078	0.75824

Guyana	2001	0.856085	0.770243
Guyana	2002	0.868114	0.792286
Guyana	2003	0.88199	0.808553
Guyana	2004	0.881747	0.805175
Guyana	2005	0.876973	0.799695
Guyana	2006	0.86259	0.785305
Guyana	2007	0.871755	0.796174
Guyana	2008	0.866064	0.79292
Guyana	2009	0.856384	0.776095
Guyana	2010	0.870928	0.791752
Guyana	2011	0.864618	0.787339
Guyana	2012	0.858249	0.769835
Guyana	2013	0.868019	0.754845
Guyana	2014	0.883459	0.756936
Guyana	2015	0.904528	0.783773
Guyana	2016	0.909773	0.785122
Guyana	2017	0.907778	0.779852
Guyana	2018	0.916706	0.792253
Guyana	2019	0.917252	0.792395
Haiti	1990	0.848252	0.694669
Haiti	1991	0.851834	0.699622
Haiti	1992	0.858366	0.705985
Haiti	1993	0.868323	0.715498
Haiti	1994	0.889488	0.733226
Haiti	1995	0.884666	0.730909

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Haiti	1996	0.885902	0.73329
Haiti	1997	0.88977	0.737561
Haiti	1998	0.897728	0.746391
Haiti	1999	0.918178	0.763662
Haiti	2000	0.933843	0.777576
Haiti	2001	0.952387	0.793799
Haiti	2002	0.965378	0.805915
Haiti	2003	0.979128	0.818581
Haiti	2004	0.996137	0.833853
Haiti	2005	1.011615	0.848181
Haiti	2006	1.003287	0.843106
Haiti	2007	0.991817	0.835123
Haiti	2008	0.977956	0.825209
Haiti	2009	0.969319	0.818318
Haiti	2010	0.971384	0.814256
Haiti	2011	0.977353	0.812342
Haiti	2012	0.970589	0.807299
Haiti	2013	0.964412	0.801409
Haiti	2014	0.961933	0.797931
Haiti	2015	0.961316	0.795943
Haiti	2016	0.958705	0.793089
Haiti	2017	0.953425	0.7883
Haiti	2018	0.949688	0.78419
Haiti	2019	0.950462	0.784143
Honduras	1990	0.931423	0.792876

Honduras	1991	0.893526	0.757388
Honduras	1992	0.98682	0.839842
Honduras	1993	0.96852	0.824803
Honduras	1994	0.959285	0.818048
Honduras	1995	1.132512	0.982388
Honduras	1996	1.204171	1.080562
Honduras	1997	1.196654	1.084657
Honduras	1998	1.188782	1.087144
Honduras	1999	1.177838	1.086961
Honduras	2000	1.167179	1.085797
Honduras	2001	1.166044	1.09074
Honduras	2002	1.190753	1.118393
Honduras	2003	1.220312	1.149288
Honduras	2004	1.21409	1.147758
Honduras	2005	1.210856	1.145859
Honduras	2006	1.206554	1.142104
Honduras	2007	1.201772	1.137077
Honduras	2008	1.193002	1.129034
Honduras	2009	1.17622	1.114785
Honduras	2010	1.158652	1.099057
Honduras	2011	1.132415	1.071005
Honduras	2012	1.049605	0.966428
Honduras	2013	1.061289	0.964852
Honduras	2014	1.072882	0.964053
Honduras	2015	1.084842	0.9635

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Honduras	2016	1.097255	0.964191
Honduras	2017	1.113633	0.969835
Honduras	2018	1.133398	0.979179
Honduras	2019	1.150707	0.987235
Hungary	1990	1.248905	0.783216
Hungary	1991	1.273197	0.788897
Hungary	1992	1.235009	0.764683
Hungary	1993	1.231176	0.75623
Hungary	1994	1.207315	0.733594
Hungary	1995	1.224856	0.735564
Hungary	1996	1.257931	0.743862
Hungary	1997	1.308379	0.767016
Hungary	1998	1.328475	0.772198
Hungary	1999	1.338323	0.77329
Hungary	2000	1.35984	0.776331
Hungary	2001	1.359909	0.773614
Hungary	2002	1.345923	0.763105
Hungary	2003	1.355023	0.763996
Hungary	2004	1.373922	0.770584
Hungary	2005	1.367215	0.760508
Hungary	2006	1.414381	0.777394
Hungary	2007	1.476528	0.803333
Hungary	2008	1.536635	0.823527
Hungary	2009	1.559169	0.826695
Hungary	2010	1.632679	0.854821

Hungary	2011	1.687514	0.88035
Hungary	2012	1.701139	0.882161
Hungary	2013	1.757902	0.906339
Hungary	2014	1.755502	0.906485
Hungary	2015	1.78418	0.922637
Hungary	2016	1.735478	0.893355
Hungary	2017	1.75693	0.901822
Hungary	2018	1.744163	0.896852
Hungary	2019	1.776262	0.914186
Iceland	1990	0.893067	0.617346
Iceland	1991	0.898833	0.619624
Iceland	1992	0.904815	0.624484
Iceland	1993	0.906251	0.624472
Iceland	1994	0.900378	0.620242
Iceland	1995	0.886218	0.609419
Iceland	1996	0.865607	0.592359
Iceland	1997	0.86581	0.590292
Iceland	1998	0.87148	0.58898
Iceland	1999	0.88968	0.596646
Iceland	2000	0.939133	0.627518
Iceland	2001	0.946968	0.636139
Iceland	2002	0.918585	0.619865
Iceland	2003	0.932633	0.628488
Iceland	2004	0.943794	0.63412
Iceland	2005	0.920771	0.620702



Iceland	2006	0.875513	0.592684
Iceland	2007	0.828134	0.560027
Iceland	2008	0.813439	0.547711
Iceland	2009	0.797623	0.532781
Iceland	2010	0.792424	0.527124
Iceland	2011	0.797199	0.526861
Iceland	2012	0.781397	0.512562
Iceland	2013	0.816639	0.53432
Iceland	2014	0.891672	0.581795
Iceland	2015	0.868086	0.571245
Iceland	2016	0.841589	0.554825
Iceland	2017	0.799747	0.529264
Iceland	2018	0.791315	0.524633
Iceland	2019	0.793979	0.527376
India	1990	0.67198	0.651392
India	1991	0.664991	0.649046
India	1992	0.677239	0.659893
India	1993	0.668435	0.653609
India	1994	0.664197	0.64799
India	1995	0.665584	0.647018
India	1996	0.664089	0.640755
India	1997	0.665254	0.640588
India	1998	0.672932	0.647828
India	1999	0.667927	0.643606
India	2000	0.650053	0.62195

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5	India	2001	0.648807	0.6203
6	India	2002	0.645959	0.616526
7	India	2003	0.627599	0.596667
8	India	2004	0.61961	0.587071
9	India	2005	0.617428	0.584254
10	India	2006	0.621215	0.591136
11	India	2007	0.62422	0.595923
12	India	2008	0.614686	0.585389
13	India	2009	0.615543	0.579393
14	India	2010	0.627674	0.58403
15	India	2011	0.631651	0.587956
16	India	2012	0.643951	0.600207
17	India	2013	0.668672	0.612078
18	India	2014	0.697766	0.627543
19	India	2015	0.726946	0.655171
20	India	2016	0.727723	0.661042
21	India	2017	0.728097	0.663525
22	India	2018	0.72818	0.659649
23	India	2019	0.732114	0.664084
24	Indonesia	1990	0.904475	0.805626
25	Indonesia	1991	0.89592	0.79993
26	Indonesia	1992	0.891139	0.796224
27	Indonesia	1993	0.896197	0.800503
28	Indonesia	1994	0.901232	0.804676
29	Indonesia	1995	0.910442	0.812309
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Indonesia	1996	0.920734	0.822294
Indonesia	1997	0.925581	0.826452
Indonesia	1998	0.926823	0.827526
Indonesia	1999	0.927296	0.82819
Indonesia	2000	0.921737	0.824503
Indonesia	2001	0.909081	0.815638
Indonesia	2002	0.901911	0.810925
Indonesia	2003	0.900123	0.810677
Indonesia	2004	0.895603	0.807667
Indonesia	2005	0.891928	0.804423
Indonesia	2006	0.887582	0.802247
Indonesia	2007	0.88547	0.801573
Indonesia	2008	0.871184	0.787266
Indonesia	2009	0.857157	0.773813
Indonesia	2010	0.84432	0.761141
Indonesia	2011	0.825542	0.744336
Indonesia	2012	0.794104	0.715721
Indonesia	2013	0.771454	0.694276
Indonesia	2014	0.746281	0.67051
Indonesia	2015	0.731324	0.656279
Indonesia	2016	0.726472	0.653465
Indonesia	2017	0.727428	0.654714
Indonesia	2018	0.726543	0.654163
Indonesia	2019	0.725323	0.653072
Iran (Islamic Republic of)	1990	0.846309	0.884767

Iran (Islamic Republic of)	1991	0.850062	0.895933
Iran (Islamic Republic of)	1992	0.845513	0.897431
Iran (Islamic Republic of)	1993	0.850854	0.909371
Iran (Islamic Republic of)	1994	0.846549	0.911123
Iran (Islamic Republic of)	1995	0.850514	0.921504
Iran (Islamic Republic of)	1996	0.865414	0.943133
Iran (Islamic Republic of)	1997	0.868181	0.951728
Iran (Islamic Republic of)	1998	0.872144	0.960851
Iran (Islamic Republic of)	1999	0.866475	0.958325
Iran (Islamic Republic of)	2000	0.887477	0.985288
Iran (Islamic Republic of)	2001	0.899208	1.00184
Iran (Islamic Republic of)	2002	0.886266	0.98971
Iran (Islamic Republic of)	2003	0.872632	0.974236
Iran (Islamic Republic of)	2004	0.871049	0.970715
Iran (Islamic Republic of)	2005	0.871362	0.967471
Iran (Islamic Republic of)	2006	0.858624	0.948691
Iran (Islamic Republic of)	2007	0.840085	0.919136
Iran (Islamic Republic of)	2008	0.829588	0.900372
Iran (Islamic Republic of)	2009	0.824816	0.888598
Iran (Islamic Republic of)	2010	0.826351	0.879267
Iran (Islamic Republic of)	2011	0.825291	0.871341
Iran (Islamic Republic of)	2012	0.823102	0.865946
Iran (Islamic Republic of)	2013	0.839203	0.883214
Iran (Islamic Republic of)	2014	0.858072	0.903726
Iran (Islamic Republic of)	2015	0.87411	0.919495

Iran (Islamic Republic of)	2016	0.89088	0.937536
Iran (Islamic Republic of)	2017	0.901889	0.949128
Iran (Islamic Republic of)	2018	0.906975	0.953392
Iran (Islamic Republic of)	2019	0.915692	0.961205
Iraq	1990	1.038715	0.921613
Iraq	1991	1.028035	0.91066
Iraq	1992	1.015177	0.901312
Iraq	1993	0.996418	0.884872
Iraq	1994	0.978218	0.864977
Iraq	1995	0.970719	0.857555
Iraq	1996	0.96171	0.847265
Iraq	1997	0.947098	0.832703
Iraq	1998	0.932334	0.819284
Iraq	1999	0.923562	0.811365
Iraq	2000	0.916529	0.805188
Iraq	2001	0.912447	0.800956
Iraq	2002	0.91232	0.799917
Iraq	2003	0.912054	0.799067
Iraq	2004	0.919368	0.806158
Iraq	2005	0.923599	0.808822
Iraq	2006	0.932396	0.814381
Iraq	2007	0.932736	0.812761
Iraq	2008	0.928361	0.808737
Iraq	2009	0.91609	0.797203
Iraq	2010	0.898317	0.779174

Iraq	2011	0.886643	0.769248
Iraq	2012	0.873397	0.75733
Iraq	2013	0.859141	0.744408
Iraq	2014	0.849341	0.734867
Iraq	2015	0.848791	0.733316
Iraq	2016	0.849734	0.733889
Iraq	2017	0.850296	0.733783
Iraq	2018	0.838897	0.725088
Iraq	2019	0.823535	0.707666
Ireland	1990	0.990332	0.642532
Ireland	1991	1.01067	0.652745
Ireland	1992	1.005023	0.645801
Ireland	1993	0.997892	0.639265
Ireland	1994	1.016307	0.644885
Ireland	1995	1.014649	0.636152
Ireland	1996	1.000293	0.620096
Ireland	1997	1.020021	0.631417
Ireland	1998	1.031917	0.637105
Ireland	1999	1.024805	0.629057
Ireland	2000	1.008419	0.613226
Ireland	2001	1.019148	0.611967
Ireland	2002	1.021805	0.615345
Ireland	2003	1.021697	0.61487
Ireland	2004	1.005065	0.60004
Ireland	2005	1.045104	0.620705

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Ireland	2006	1.067788	0.636154
Ireland	2007	1.052256	0.630424
Ireland	2008	1.038694	0.625566
Ireland	2009	1.017066	0.619329
Ireland	2010	1.018538	0.623428
Ireland	2011	1.012795	0.627264
Ireland	2012	0.975791	0.606707
Ireland	2013	0.943072	0.590724
Ireland	2014	0.941779	0.595064
Ireland	2015	0.952201	0.609346
Ireland	2016	0.942132	0.61169
Ireland	2017	0.933334	0.615757
Ireland	2018	0.93453	0.626241
Ireland	2019	0.920745	0.626484
Israel	1990	0.94219	0.786904
Israel	1991	0.919965	0.762573
Israel	1992	0.917957	0.753597
Israel	1993	0.919162	0.74611
Israel	1994	0.919964	0.740401
Israel	1995	0.89525	0.714392
Israel	1996	0.885476	0.706356
Israel	1997	0.869098	0.688093
Israel	1998	0.857361	0.667378
Israel	1999	0.855316	0.658138
Israel	2000	0.841052	0.644188

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5	Israel	2001	0.848966	0.6474
6	Israel	2002	0.849254	0.644365
7	Israel	2003	0.849257	0.639475
8	Israel	2004	0.858922	0.643102
9	Israel	2005	0.861348	0.642839
10	Israel	2006	0.870257	0.648499
11	Israel	2007	0.877613	0.649739
12	Israel	2008	0.887024	0.649546
13	Israel	2009	0.903354	0.655117
14	Israel	2010	0.894466	0.645255
15	Israel	2011	0.916316	0.659221
16	Israel	2012	0.908112	0.649691
17	Israel	2013	0.919164	0.653967
18	Israel	2014	0.917547	0.649284
19	Israel	2015	0.902198	0.636174
20	Israel	2016	0.931438	0.657062
21	Israel	2017	0.929475	0.656012
22	Israel	2018	0.923335	0.653248
23	Israel	2019	0.923192	0.655589
24	Italy	1990	1.090376	0.643927
25	Italy	1991	1.081423	0.637552
26	Italy	1992	1.078447	0.634752
27	Italy	1993	1.088728	0.638461
28	Italy	1994	1.092486	0.639173
29	Italy	1995	1.104435	0.642915
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Italy	1996	1.115154	0.644873
Italy	1997	1.121742	0.644068
Italy	1998	1.130953	0.645348
Italy	1999	1.141682	0.646889
Italy	2000	1.166232	0.654341
Italy	2001	1.182466	0.657137
Italy	2002	1.207321	0.66463
Italy	2003	1.209099	0.6605
Italy	2004	1.216337	0.660522
Italy	2005	1.211844	0.651899
Italy	2006	1.208596	0.644847
Italy	2007	1.210034	0.642825
Italy	2008	1.223902	0.648972
Italy	2009	1.227047	0.651423
Italy	2010	1.241487	0.658229
Italy	2011	1.256087	0.66503
Italy	2012	1.269111	0.672045
Italy	2013	1.262556	0.669897
Italy	2014	1.259651	0.670649
Italy	2015	1.248791	0.665998
Italy	2016	1.241213	0.662825
Italy	2017	1.220767	0.657356
Italy	2018	1.222834	0.665099
Italy	2019	1.210609	0.666333
Jamaica	1990	0.636078	0.518682

Jamaica	1991	0.692646	0.56671
Jamaica	1992	0.687608	0.56459
Jamaica	1993	0.690036	0.566605
Jamaica	1994	0.708948	0.583474
Jamaica	1995	0.731778	0.602656
Jamaica	1996	0.755209	0.621615
Jamaica	1997	0.780986	0.641921
Jamaica	1998	0.780952	0.642028
Jamaica	1999	0.813121	0.665991
Jamaica	2000	0.899106	0.732146
Jamaica	2001	0.899379	0.732191
Jamaica	2002	0.891943	0.735452
Jamaica	2003	0.881381	0.726775
Jamaica	2004	0.900935	0.744511
Jamaica	2005	0.913895	0.76107
Jamaica	2006	0.88166	0.736568
Jamaica	2007	0.74946	0.632214
Jamaica	2008	0.637378	0.539676
Jamaica	2009	0.588224	0.494132
Jamaica	2010	0.715381	0.601316
Jamaica	2011	0.647498	0.544749
Jamaica	2012	0.7813	0.660719
Jamaica	2013	0.79124	0.671617
Jamaica	2014	0.762489	0.646836
Jamaica	2015	0.756701	0.64138

Jamaica	2016	0.739837	0.632018
Jamaica	2017	0.737952	0.631909
Jamaica	2018	0.739624	0.63439
Jamaica	2019	0.76193	0.654431
Japan	1990	1.071062	0.680444
Japan	1991	1.070475	0.67287
Japan	1992	1.076246	0.669168
Japan	1993	1.085941	0.668386
Japan	1994	1.096482	0.668363
Japan	1995	1.098415	0.665185
Japan	1996	1.116045	0.671318
Japan	1997	1.116951	0.666228
Japan	1998	1.100232	0.650244
Japan	1999	1.085048	0.634718
Japan	2000	1.077853	0.623941
Japan	2001	1.078097	0.617512
Japan	2002	1.081282	0.611892
Japan	2003	1.076595	0.602602
Japan	2004	1.086712	0.601979
Japan	2005	1.079257	0.590908
Japan	2006	1.089796	0.590608
Japan	2007	1.081004	0.581309
Japan	2008	1.068997	0.570964
Japan	2009	1.047886	0.557176
Japan	2010	1.039781	0.550218

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5	Japan	2011	1.059746	0.558397
6	Japan	2012	1.071226	0.562936
7	Japan	2013	1.081946	0.568402
8	Japan	2014	1.09023	0.573894
9	Japan	2015	1.09495	0.573838
10	Japan	2016	1.105279	0.578573
11	Japan	2017	1.106388	0.579657
12	Japan	2018	1.120202	0.588741
13	Japan	2019	1.123565	0.592949
14	Jordan	1990	1.243774	1.278353
15	Jordan	1991	1.271979	1.323684
16	Jordan	1992	1.212918	1.282366
17	Jordan	1993	1.233106	1.313997
18	Jordan	1994	1.211054	1.303852
19	Jordan	1995	1.231809	1.332617
20	Jordan	1996	1.284041	1.392659
21	Jordan	1997	1.287126	1.406764
22	Jordan	1998	1.308754	1.439609
23	Jordan	1999	1.333204	1.476799
24	Jordan	2000	1.358915	1.522114
25	Jordan	2001	1.404458	1.596437
26	Jordan	2002	1.427616	1.644192
27	Jordan	2003	1.421953	1.638204
28	Jordan	2004	1.479769	1.729284
29	Jordan	2005	1.497596	1.826894
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Jordan	2006	1.443136	1.794166
Jordan	2007	1.234151	1.483146
Jordan	2008	1.106929	1.285829
Jordan	2009	1.019138	1.165059
Jordan	2010	0.948687	1.067889
Jordan	2011	0.940285	1.066222
Jordan	2012	0.951527	1.102951
Jordan	2013	0.966647	1.159036
Jordan	2014	0.973437	1.182669
Jordan	2015	0.936691	1.117044
Jordan	2016	0.952236	1.138096
Jordan	2017	0.970198	1.166857
Jordan	2018	0.973143	1.154724
Jordan	2019	0.982615	1.164998
Kazakhstan	1990	0.999933	0.671258
Kazakhstan	1991	0.981541	0.660741
Kazakhstan	1992	0.97938	0.666346
Kazakhstan	1993	0.981365	0.670065
Kazakhstan	1994	0.974429	0.669119
Kazakhstan	1995	0.950401	0.661327
Kazakhstan	1996	0.930785	0.656143
Kazakhstan	1997	0.943874	0.664252
Kazakhstan	1998	0.935451	0.657537
Kazakhstan	1999	0.926939	0.650073
Kazakhstan	2000	0.886229	0.629965

Kazakhstan	2001	0.881548	0.629943
Kazakhstan	2002	0.869182	0.618695
Kazakhstan	2003	0.840973	0.59763
Kazakhstan	2004	0.821565	0.586984
Kazakhstan	2005	0.821461	0.589292
Kazakhstan	2006	0.811659	0.58123
Kazakhstan	2007	0.818429	0.578066
Kazakhstan	2008	0.839521	0.583216
Kazakhstan	2009	0.85267	0.585487
Kazakhstan	2010	0.851782	0.57773
Kazakhstan	2011	0.848325	0.564973
Kazakhstan	2012	0.849505	0.555703
Kazakhstan	2013	0.851565	0.5504
Kazakhstan	2014	0.822531	0.523314
Kazakhstan	2015	0.844378	0.529259
Kazakhstan	2016	0.839327	0.522411
Kazakhstan	2017	0.844597	0.520727
Kazakhstan	2018	0.828471	0.515002
Kazakhstan	2019	0.852281	0.536614
Kenya	1990	0.707017	0.669507
Kenya	1991	0.695049	0.65375
Kenya	1992	0.684015	0.637947
Kenya	1993	0.671695	0.620169
Kenya	1994	0.665955	0.607842
Kenya	1995	0.656889	0.59345

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Kenya	1996	0.646414	0.578509
Kenya	1997	0.645358	0.571636
Kenya	1998	0.63756	0.559602
Kenya	1999	0.632168	0.549598
Kenya	2000	0.629263	0.542961
Kenya	2001	0.63245	0.542569
Kenya	2002	0.638176	0.545642
Kenya	2003	0.642005	0.548332
Kenya	2004	0.640791	0.547412
Kenya	2005	0.640905	0.546741
Kenya	2006	0.638279	0.544025
Kenya	2007	0.639843	0.544383
Kenya	2008	0.641193	0.544797
Kenya	2009	0.64706	0.549628
Kenya	2010	0.662556	0.562322
Kenya	2011	0.682387	0.578683
Kenya	2012	0.703185	0.596299
Kenya	2013	0.725656	0.615121
Kenya	2014	0.743482	0.63115
Kenya	2015	0.759326	0.646749
Kenya	2016	0.766795	0.655746
Kenya	2017	0.775255	0.665895
Kenya	2018	0.781453	0.675112
Kenya	2019	0.784901	0.682011
Kiribati	1990	1.4921	1.196769

Kiribati	1991	1.456679	1.172151
Kiribati	1992	1.426989	1.152817
Kiribati	1993	1.399922	1.134295
Kiribati	1994	1.379383	1.119111
Kiribati	1995	1.357045	1.1003
Kiribati	1996	1.342688	1.088594
Kiribati	1997	1.337935	1.081264
Kiribati	1998	1.335628	1.075184
Kiribati	1999	1.338924	1.073275
Kiribati	2000	1.334341	1.064826
Kiribati	2001	1.330727	1.059429
Kiribati	2002	1.334753	1.061153
Kiribati	2003	1.344028	1.068185
Kiribati	2004	1.360788	1.08068
Kiribati	2005	1.358904	1.078589
Kiribati	2006	1.337353	1.06056
Kiribati	2007	1.308545	1.039539
Kiribati	2008	1.284763	1.019264
Kiribati	2009	1.261421	0.998717
Kiribati	2010	1.244095	0.982611
Kiribati	2011	1.224451	0.964273
Kiribati	2012	1.203869	0.946504
Kiribati	2013	1.187289	0.931639
Kiribati	2014	1.173134	0.918956
Kiribati	2015	1.174871	0.919107



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5	Kiribati	2016	1.184607	0.925399
6	Kiribati	2017	1.193378	0.931678
7	Kiribati	2018	1.19579	0.933418
8	Kiribati	2019	1.197517	0.934093
9	Kuwait	1990	0.906022	1.255995
10	Kuwait	1991	0.892059	1.282196
11	Kuwait	1992	0.885625	1.259416
12	Kuwait	1993	0.768031	1.079664
13	Kuwait	1994	0.721014	1.029666
14	Kuwait	1995	0.703499	1.018502
15	Kuwait	1996	0.72527	1.063488
16	Kuwait	1997	0.668915	1.014207
17	Kuwait	1998	0.704428	1.07427
18	Kuwait	1999	0.635082	0.968802
19	Kuwait	2000	0.636471	0.973544
20	Kuwait	2001	0.77434	1.188986
21	Kuwait	2002	0.694942	1.096564
22	Kuwait	2003	0.673842	1.081392
23	Kuwait	2004	0.653702	1.044354
24	Kuwait	2005	0.61209	0.973403
25	Kuwait	2006	0.597222	0.957241
26	Kuwait	2007	0.649274	1.040845
27	Kuwait	2008	0.671105	1.096313
28	Kuwait	2009	0.757462	1.216108
29	Kuwait	2010	0.839781	1.32464
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Kuwait	2011	0.862705	1.35794
Kuwait	2012	0.814298	1.283671
Kuwait	2013	0.814568	1.285124
Kuwait	2014	0.84126	1.300564
Kuwait	2015	0.767129	1.168468
Kuwait	2016	0.739668	1.118587
Kuwait	2017	0.726698	1.081906
Kuwait	2018	0.713715	1.056145
Kuwait	2019	0.723676	1.037296
Kyrgyzstan	1990	0.891951	0.672838
Kyrgyzstan	1991	0.908612	0.691176
Kyrgyzstan	1992	0.898784	0.681623
Kyrgyzstan	1993	0.850417	0.650437
Kyrgyzstan	1994	0.82783	0.639884
Kyrgyzstan	1995	0.837243	0.653969
Kyrgyzstan	1996	0.834809	0.650548
Kyrgyzstan	1997	0.819205	0.637971
Kyrgyzstan	1998	0.831842	0.648076
Kyrgyzstan	1999	0.840267	0.664432
Kyrgyzstan	2000	0.844168	0.661815
Kyrgyzstan	2001	0.830856	0.658922
Kyrgyzstan	2002	0.828249	0.667975
Kyrgyzstan	2003	0.824127	0.67254
Kyrgyzstan	2004	0.810225	0.669459
Kyrgyzstan	2005	0.806345	0.668711

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Kyrgyzstan	2006	0.770748	0.64556
Kyrgyzstan	2007	0.755731	0.63405
Kyrgyzstan	2008	0.784272	0.65742
Kyrgyzstan	2009	0.81073	0.67425
Kyrgyzstan	2010	0.817755	0.685054
Kyrgyzstan	2011	0.840219	0.711408
Kyrgyzstan	2012	0.841235	0.716805
Kyrgyzstan	2013	0.84349	0.720402
Kyrgyzstan	2014	0.842241	0.705299
Kyrgyzstan	2015	0.860066	0.70151
Kyrgyzstan	2016	0.874609	0.704633
Kyrgyzstan	2017	0.849871	0.684358
Kyrgyzstan	2018	0.841746	0.687493
Kyrgyzstan	2019	0.83568	0.684807
Lao People's Democratic Republic	1990	1.080257	0.904518
Lao People's Democratic Republic	1991	1.079338	0.906014
Lao People's Democratic Republic	1992	1.08287	0.911731
Lao People's Democratic Republic	1993	1.084715	0.916095
Lao People's Democratic Republic	1994	1.087379	0.920926
Lao People's Democratic Republic	1995	1.087375	0.922831
Lao People's Democratic Republic	1996	1.079552	0.918976
Lao People's Democratic Republic	1997	1.072371	0.91556
Lao People's Democratic Republic	1998	1.058718	0.906658
Lao People's Democratic Republic	1999	1.052176	0.902857
Lao People's Democratic Republic	2000	1.036378	0.890862

Lao People's Democratic Republic	2001	1.02433	0.883273
Lao People's Democratic Republic	2002	1.015382	0.87784
Lao People's Democratic Republic	2003	1.002093	0.869322
Lao People's Democratic Republic	2004	0.99141	0.862162
Lao People's Democratic Republic	2005	0.983924	0.856121
Lao People's Democratic Republic	2006	0.974171	0.850443
Lao People's Democratic Republic	2007	0.969745	0.848823
Lao People's Democratic Republic	2008	0.968779	0.849477
Lao People's Democratic Republic	2009	0.964921	0.846846
Lao People's Democratic Republic	2010	0.962207	0.843804
Lao People's Democratic Republic	2011	0.957551	0.841215
Lao People's Democratic Republic	2012	0.951021	0.838007
Lao People's Democratic Republic	2013	0.947474	0.837311
Lao People's Democratic Republic	2014	0.942958	0.835606
Lao People's Democratic Republic	2015	0.939503	0.833335
Lao People's Democratic Republic	2016	0.936031	0.833099
Lao People's Democratic Republic	2017	0.933775	0.833237
Lao People's Democratic Republic	2018	0.929921	0.831474
Lao People's Democratic Republic	2019	0.927608	0.831059
Latvia	1990	1.205006	0.533461
Latvia	1991	1.183017	0.522451
Latvia	1992	1.1596	0.513471
Latvia	1993	1.091711	0.49012
Latvia	1994	1.035137	0.470417
Latvia	1995	1.061499	0.481214

Latvia	1996	1.062243	0.487466
Latvia	1997	1.055513	0.488382
Latvia	1998	1.044571	0.489392
Latvia	1999	1.049745	0.491657
Latvia	2000	1.060367	0.490885
Latvia	2001	1.058915	0.492391
Latvia	2002	1.072686	0.496717
Latvia	2003	1.191884	0.544692
Latvia	2004	1.183538	0.544267
Latvia	2005	1.135283	0.525288
Latvia	2006	1.180254	0.548254
Latvia	2007	1.191916	0.549398
Latvia	2008	1.338475	0.604078
Latvia	2009	1.473186	0.665503
Latvia	2010	1.605934	0.719695
Latvia	2011	1.734377	0.76653
Latvia	2012	1.736977	0.761187
Latvia	2013	1.795712	0.787659
Latvia	2014	1.727391	0.755626
Latvia	2015	1.815508	0.792721
Latvia	2016	1.870149	0.814017
Latvia	2017	1.84377	0.808288
Latvia	2018	1.800032	0.794765
Latvia	2019	1.764838	0.785235
Lebanon	1990	1.071467	0.981764

Lebanon	1991	1.096284	1.005245
Lebanon	1992	1.107116	1.018167
Lebanon	1993	1.116366	1.030655
Lebanon	1994	1.123867	1.0433
Lebanon	1995	1.145438	1.068906
Lebanon	1996	1.152793	1.082827
Lebanon	1997	1.150313	1.087767
Lebanon	1998	1.160116	1.103824
Lebanon	1999	1.142017	1.095643
Lebanon	2000	1.136071	1.09651
Lebanon	2001	1.119939	1.087568
Lebanon	2002	1.108308	1.081466
Lebanon	2003	1.095733	1.073018
Lebanon	2004	1.071111	1.051902
Lebanon	2005	1.050357	1.031778
Lebanon	2006	1.030823	1.01005
Lebanon	2007	1.013675	0.987874
Lebanon	2008	1.001423	0.968311
Lebanon	2009	1.001269	0.95813
Lebanon	2010	1.011659	0.956166
Lebanon	2011	1.014475	0.945418
Lebanon	2012	1.01685	0.933202
Lebanon	2013	1.030695	0.93028
Lebanon	2014	1.053575	0.933731
Lebanon	2015	1.083446	0.942194

Lebanon	2016	1.11331	0.94979
Lebanon	2017	1.146106	0.959078
Lebanon	2018	1.180669	0.969818
Lebanon	2019	1.214408	0.980276
Lesotho	1990	0.547406	0.365938
Lesotho	1991	0.542313	0.361697
Lesotho	1992	0.533141	0.355213
Lesotho	1993	0.52431	0.348481
Lesotho	1994	0.507527	0.337316
Lesotho	1995	0.487595	0.323129
Lesotho	1996	0.460489	0.303582
Lesotho	1997	0.433845	0.283866
Lesotho	1998	0.4568	0.296374
Lesotho	1999	0.483221	0.311493
Lesotho	2000	0.541543	0.347625
Lesotho	2001	0.554774	0.355842
Lesotho	2002	0.580648	0.372819
Lesotho	2003	0.628877	0.403491
Lesotho	2004	0.639428	0.412443
Lesotho	2005	0.656144	0.4243
Lesotho	2006	0.657785	0.427168
Lesotho	2007	0.674236	0.438252
Lesotho	2008	0.701223	0.456121
Lesotho	2009	0.707365	0.462249
Lesotho	2010	0.71764	0.471142

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5	Lesotho	2011	0.721541	0.476297
6	Lesotho	2012	0.738423	0.489759
7	Lesotho	2013	0.742987	0.495743
8	Lesotho	2014	0.740565	0.497532
9	Lesotho	2015	0.735094	0.496563
10	Lesotho	2016	0.722892	0.490841
11	Lesotho	2017	0.711107	0.4857
12	Lesotho	2018	0.705235	0.48378
13	Lesotho	2019	0.705917	0.485671
14	Liberia	1990	0.9085	0.996005
15	Liberia	1991	0.911296	0.998861
16	Liberia	1992	0.925106	1.011605
17	Liberia	1993	0.924282	1.008222
18	Liberia	1994	0.917343	0.998056
19	Liberia	1995	0.913325	0.981736
20	Liberia	1996	0.878938	0.937608
21	Liberia	1997	0.869847	0.918023
22	Liberia	1998	0.850108	0.894908
23	Liberia	1999	0.838556	0.881561
24	Liberia	2000	0.849539	0.884162
25	Liberia	2001	0.86329	0.889863
26	Liberia	2002	0.885972	0.907093
27	Liberia	2003	0.88833	0.908553
28	Liberia	2004	0.899159	0.919208
29	Liberia	2005	0.912469	0.924308
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Liberia	2006	0.92007	0.923942
Liberia	2007	0.924098	0.921404
Liberia	2008	0.926949	0.929499
Liberia	2009	0.922828	0.930079
Liberia	2010	0.930016	0.935905
Liberia	2011	0.941819	0.945008
Liberia	2012	0.942946	0.943157
Liberia	2013	0.938623	0.938907
Liberia	2014	0.940143	0.942135
Liberia	2015	0.942099	0.941489
Liberia	2016	0.950782	0.94713
Liberia	2017	0.957875	0.950271
Liberia	2018	0.960514	0.9517
Liberia	2019	0.96058	0.953451
Libya	1990	1.055999	1.102401
Libya	1991	1.061455	1.107185
Libya	1992	1.031746	1.074807
Libya	1993	1.021858	1.061961
Libya	1994	1.014832	1.051481
Libya	1995	1.008831	1.042201
Libya	1996	1.016403	1.048683
Libya	1997	1.000094	1.031347
Libya	1998	0.991815	1.025339
Libya	1999	0.982479	1.020405
Libya	2000	0.97538	1.013309

Libya	2001	0.934374	0.965433
Libya	2002	0.904144	0.92635
Libya	2003	0.899903	0.916303
Libya	2004	0.962226	0.97716
Libya	2005	1.003809	1.021942
Libya	2006	1.022	1.036288
Libya	2007	1.116889	1.122346
Libya	2008	1.143164	1.149181
Libya	2009	1.226991	1.228515
Libya	2010	1.20636	1.206442
Libya	2011	1.189759	1.190245
Libya	2012	1.216209	1.220529
Libya	2013	1.219613	1.224468
Libya	2014	1.214545	1.220811
Libya	2015	1.225026	1.231131
Libya	2016	1.228146	1.234103
Libya	2017	1.223734	1.228194
Libya	2018	1.220224	1.223662
Libya	2019	1.214728	1.216594
Lithuania	1990	0.971313	0.540179
Lithuania	1991	0.985477	0.54626
Lithuania	1992	0.989442	0.546932
Lithuania	1993	0.949626	0.53415
Lithuania	1994	0.96797	0.550823
Lithuania	1995	1.00168	0.568811

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Lithuania	1996	1.019597	0.571551
Lithuania	1997	1.05621	0.584609
Lithuania	1998	1.055637	0.581885
Lithuania	1999	1.050745	0.578728
Lithuania	2000	1.057401	0.578423
Lithuania	2001	1.067042	0.580847
Lithuania	2002	1.080398	0.579941
Lithuania	2003	1.136544	0.606356
Lithuania	2004	1.103524	0.587737
Lithuania	2005	1.084225	0.579263
Lithuania	2006	1.113196	0.594664
Lithuania	2007	1.096276	0.583299
Lithuania	2008	1.198771	0.624744
Lithuania	2009	1.229255	0.622287
Lithuania	2010	1.21543	0.605984
Lithuania	2011	1.22594	0.611089
Lithuania	2012	1.243841	0.615975
Lithuania	2013	1.228526	0.60492
Lithuania	2014	1.242323	0.608617
Lithuania	2015	1.266152	0.620736
Lithuania	2016	1.250372	0.614161
Lithuania	2017	1.337779	0.654176
Lithuania	2018	1.319187	0.645546
Lithuania	2019	1.350657	0.661003
Luxembourg	1990	1.393482	0.713825

Luxembourg	1991	1.405872	0.718466
Luxembourg	1992	1.45974	0.741392
Luxembourg	1993	1.457165	0.737255
Luxembourg	1994	1.465173	0.734587
Luxembourg	1995	1.498477	0.746412
Luxembourg	1996	1.532323	0.762892
Luxembourg	1997	1.541765	0.767401
Luxembourg	1998	1.53696	0.763833
Luxembourg	1999	1.557634	0.771755
Luxembourg	2000	1.583232	0.780806
Luxembourg	2001	1.629875	0.804553
Luxembourg	2002	1.58333	0.786575
Luxembourg	2003	1.541825	0.764156
Luxembourg	2004	1.542719	0.759595
Luxembourg	2005	1.564119	0.7683
Luxembourg	2006	1.568078	0.772499
Luxembourg	2007	1.574228	0.78169
Luxembourg	2008	1.559942	0.780138
Luxembourg	2009	1.486968	0.747579
Luxembourg	2010	1.461338	0.738203
Luxembourg	2011	1.483877	0.760491
Luxembourg	2012	1.434736	0.751165
Luxembourg	2013	1.437263	0.769188
Luxembourg	2014	1.436678	0.781738
Luxembourg	2015	1.449766	0.795169

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5	Luxembourg	2016	1.452105	0.803893
6	Luxembourg	2017	1.424215	0.802565
7	Luxembourg	2018	1.395836	0.799804
8	Luxembourg	2019	1.372174	0.796658
9	Madagascar	1990	0.654498	0.630902
10	Madagascar	1991	0.665058	0.636322
11	Madagascar	1992	0.679494	0.646495
12	Madagascar	1993	0.674667	0.639008
13	Madagascar	1994	0.673359	0.633825
14	Madagascar	1995	0.672929	0.631342
15	Madagascar	1996	0.669081	0.625767
16	Madagascar	1997	0.68748	0.638721
17	Madagascar	1998	0.690612	0.638743
18	Madagascar	1999	0.690685	0.635064
19	Madagascar	2000	0.704869	0.643978
20	Madagascar	2001	0.712433	0.64898
21	Madagascar	2002	0.730031	0.662803
22	Madagascar	2003	0.730674	0.662693
23	Madagascar	2004	0.739866	0.667256
24	Madagascar	2005	0.736319	0.660275
25	Madagascar	2006	0.730087	0.65173
26	Madagascar	2007	0.726425	0.64593
27	Madagascar	2008	0.72202	0.640593
28	Madagascar	2009	0.728877	0.645161
29	Madagascar	2010	0.734435	0.649298
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5	Madagascar	2011	0.741916	0.654738
6	Madagascar	2012	0.749575	0.661406
7	Madagascar	2013	0.756602	0.668668
8	Madagascar	2014	0.764441	0.6762
9	Madagascar	2015	0.770191	0.682863
10	Madagascar	2016	0.774117	0.690311
11	Madagascar	2017	0.779615	0.698152
12	Madagascar	2018	0.78173	0.702984
13	Madagascar	2019	0.783939	0.70848
14	Madagascar	2019	0.783939	0.70848
15	Malawi	1990	0.863324	0.714457
16	Malawi	1991	0.838268	0.692198
17	Malawi	1992	0.814011	0.670492
18	Malawi	1993	0.796118	0.651846
19	Malawi	1994	0.780322	0.635558
20	Malawi	1995	0.762866	0.621129
21	Malawi	1996	0.748306	0.610385
22	Malawi	1997	0.734158	0.599556
23	Malawi	1998	0.72624	0.593395
24	Malawi	1999	0.724455	0.586929
25	Malawi	2000	0.715552	0.575648
26	Malawi	2001	0.705807	0.565471
27	Malawi	2002	0.70057	0.558742
28	Malawi	2003	0.700275	0.556185
29	Malawi	2004	0.690505	0.54759
30	Malawi	2005	0.684543	0.540365
31	Malawi	2005	0.684543	0.540365
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Malawi	2006	0.682796	0.534722
Malawi	2007	0.686828	0.535867
Malawi	2008	0.697033	0.54052
Malawi	2009	0.707276	0.54586
Malawi	2010	0.71033	0.546968
Malawi	2011	0.714983	0.54886
Malawi	2012	0.724143	0.555918
Malawi	2013	0.733413	0.563464
Malawi	2014	0.737841	0.569168
Malawi	2015	0.74575	0.576821
Malawi	2016	0.748773	0.583159
Malawi	2017	0.754559	0.591801
Malawi	2018	0.760637	0.599123
Malawi	2019	0.765263	0.605597
Malaysia	1990	0.819196	0.788761
Malaysia	1991	0.846018	0.816191
Malaysia	1992	0.886443	0.853191
Malaysia	1993	0.94471	0.913312
Malaysia	1994	0.975225	0.954186
Malaysia	1995	0.982179	0.948723
Malaysia	1996	0.950804	0.889981
Malaysia	1997	0.965724	0.902726
Malaysia	1998	1.026153	0.991537
Malaysia	1999	1.047448	1.026159
Malaysia	2000	1.034293	1.007025

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5	Malaysia	2001	1.027312	0.987668
6	Malaysia	2002	1.078764	1.04399
7	Malaysia	2003	1.063797	1.039922
8	Malaysia	2004	1.060262	1.061847
9	Malaysia	2005	1.066861	1.080876
10	Malaysia	2006	1.07099	1.094214
11	Malaysia	2007	1.072336	1.107498
12	Malaysia	2008	1.059789	1.110449
13	Malaysia	2009	1.063617	1.123318
14	Malaysia	2010	1.057671	1.11054
15	Malaysia	2011	1.04982	1.098519
16	Malaysia	2012	1.067402	1.137766
17	Malaysia	2013	1.064808	1.180301
18	Malaysia	2014	1.056546	1.179
19	Malaysia	2015	1.053687	1.173967
20	Malaysia	2016	1.045563	1.136786
21	Malaysia	2017	1.04171	1.122423
22	Malaysia	2018	1.044457	1.117039
23	Malaysia	2019	1.041762	1.08757
24	Maldives	1990	0.963518	1.206453
25	Maldives	1991	0.972691	1.238021
26	Maldives	1992	0.98505	1.276931
27	Maldives	1993	0.95509	1.239805
28	Maldives	1994	0.900192	1.140108
29	Maldives	1995	0.914347	1.166679
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Maldives	1996	0.962101	1.260357
Maldives	1997	0.99324	1.318302
Maldives	1998	0.950574	1.23224
Maldives	1999	0.950123	1.207546
Maldives	2000	0.963335	1.233702
Maldives	2001	0.952392	1.219721
Maldives	2002	0.85437	1.079451
Maldives	2003	0.855313	1.076779
Maldives	2004	0.863548	1.078919
Maldives	2005	0.867198	1.075533
Maldives	2006	0.878145	1.082157
Maldives	2007	0.896513	1.09889
Maldives	2008	0.915916	1.116226
Maldives	2009	0.944785	1.145004
Maldives	2010	0.961791	1.162282
Maldives	2011	0.957437	1.155309
Maldives	2012	0.951009	1.149364
Maldives	2013	0.938156	1.13562
Maldives	2014	0.919664	1.11528
Maldives	2015	0.897286	1.09207
Maldives	2016	0.902015	1.100388
Maldives	2017	0.903999	1.105606
Maldives	2018	0.905796	1.110964
Maldives	2019	0.90613	1.11559
Mali	1990	1.052152	0.960348

Mali	1991	1.049099	0.963432
Mali	1992	1.04031	0.962519
Mali	1993	1.024426	0.95587
Mali	1994	1.014837	0.953214
Mali	1995	1.01442	0.958046
Mali	1996	1.009798	0.959951
Mali	1997	1.013619	0.970303
Mali	1998	1.006038	0.969867
Mali	1999	0.988446	0.959086
Mali	2000	0.979709	0.955419
Mali	2001	0.967442	0.950056
Mali	2002	0.956589	0.943906
Mali	2003	0.948678	0.941863
Mali	2004	0.931661	0.929066
Mali	2005	0.920049	0.920402
Mali	2006	0.912475	0.915756
Mali	2007	0.896128	0.902561
Mali	2008	0.880758	0.889383
Mali	2009	0.8671	0.8774
Mali	2010	0.862463	0.874125
Mali	2011	0.861756	0.875638
Mali	2012	0.860395	0.876241
Mali	2013	0.852067	0.868954
Mali	2014	0.849678	0.868136
Mali	2015	0.842445	0.862383

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Mali	2016	0.832439	0.855942
Mali	2017	0.822786	0.849405
Mali	2018	0.827136	0.855255
Mali	2019	0.830844	0.85997
Malta	1990	1.008276	0.651471
Malta	1991	1.030094	0.651632
Malta	1992	1.060652	0.662053
Malta	1993	1.091122	0.675794
Malta	1994	1.154814	0.722773
Malta	1995	1.172958	0.735947
Malta	1996	1.138106	0.716251
Malta	1997	1.119391	0.702479
Malta	1998	1.163283	0.728761
Malta	1999	1.16292	0.731829
Malta	2000	1.163634	0.732145
Malta	2001	1.136787	0.714885
Malta	2002	1.094725	0.687322
Malta	2003	1.085162	0.685129
Malta	2004	1.089569	0.692118
Malta	2005	1.035043	0.659262
Malta	2006	1.047596	0.668544
Malta	2007	1.038632	0.664038
Malta	2008	1.016727	0.651006
Malta	2009	1.034098	0.663307
Malta	2010	1.009965	0.647124

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5	Malta	2011	1.002912	0.643467
6	Malta	2012	1.017241	0.650393
7	Malta	2013	1.027006	0.65451
8	Malta	2014	1.031116	0.659429
9	Malta	2015	1.140398	0.725348
10	Malta	2016	1.132609	0.72308
11	Malta	2017	1.126121	0.720151
12	Malta	2018	1.114579	0.716802
13	Malta	2019	1.098586	0.713248
14	Malta	2019	1.098586	0.713248
15	Malta	2019	1.098586	0.713248
16	Malta	2019	1.098586	0.713248
17	Marshall Islands	1990	0.829497	0.73961
18	Marshall Islands	1991	0.84873	0.754036
19	Marshall Islands	1992	0.862116	0.764425
20	Marshall Islands	1993	0.895229	0.794611
21	Marshall Islands	1994	1.000765	0.922647
22	Marshall Islands	1995	1.014702	0.941943
23	Marshall Islands	1996	1.041135	0.970383
24	Marshall Islands	1997	1.044842	0.980008
25	Marshall Islands	1998	1.04679	0.986713
26	Marshall Islands	1999	1.041891	0.986813
27	Marshall Islands	2000	1.037892	0.986503
28	Marshall Islands	2001	1.034632	0.986928
29	Marshall Islands	2002	1.035458	0.991621
30	Marshall Islands	2003	1.033946	0.994506
31	Marshall Islands	2004	1.043391	1.007015
32	Marshall Islands	2005	1.033638	1.00178
33	Marshall Islands	2005	1.033638	1.00178
34	Marshall Islands	2005	1.033638	1.00178
35	Marshall Islands	2005	1.033638	1.00178
36	Marshall Islands	2005	1.033638	1.00178
37	Marshall Islands	2005	1.033638	1.00178
38	Marshall Islands	2005	1.033638	1.00178
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Marshall Islands	2006	1.024225	0.996898
Marshall Islands	2007	1.005892	0.982809
Marshall Islands	2008	0.989552	0.970255
Marshall Islands	2009	0.978998	0.962731
Marshall Islands	2010	0.973948	0.960239
Marshall Islands	2011	0.966812	0.954487
Marshall Islands	2012	0.960175	0.948971
Marshall Islands	2013	0.955867	0.945321
Marshall Islands	2014	0.950784	0.939663
Marshall Islands	2015	0.947166	0.936217
Marshall Islands	2016	0.946444	0.934338
Marshall Islands	2017	0.948871	0.935285
Marshall Islands	2018	0.94816	0.933495
Marshall Islands	2019	0.948073	0.931827
Mauritania	1990	1.292419	1.123301
Mauritania	1991	1.304114	1.144613
Mauritania	1992	1.311313	1.163473
Mauritania	1993	1.316344	1.181659
Mauritania	1994	1.321783	1.193751
Mauritania	1995	1.330612	1.208804
Mauritania	1996	1.334792	1.220411
Mauritania	1997	1.337735	1.23014
Mauritania	1998	1.342861	1.23923
Mauritania	1999	1.355719	1.257931
Mauritania	2000	1.354422	1.266274

Mauritania	2001	1.338039	1.263431
Mauritania	2002	1.326071	1.263031
Mauritania	2003	1.32429	1.269958
Mauritania	2004	1.312932	1.26527
Mauritania	2005	1.308692	1.266842
Mauritania	2006	1.304456	1.274066
Mauritania	2007	1.286568	1.263329
Mauritania	2008	1.259677	1.245972
Mauritania	2009	1.226907	1.223864
Mauritania	2010	1.206542	1.21002
Mauritania	2011	1.194471	1.198175
Mauritania	2012	1.18269	1.187555
Mauritania	2013	1.170872	1.180314
Mauritania	2014	1.181396	1.189417
Mauritania	2015	1.185942	1.195127
Mauritania	2016	1.190154	1.203213
Mauritania	2017	1.186943	1.204661
Mauritania	2018	1.18427	1.206028
Mauritania	2019	1.182881	1.204325
Mauritius	1990	0.93321	0.754336
Mauritius	1991	0.950503	0.755029
Mauritius	1992	1.044833	0.830833
Mauritius	1993	0.972502	0.775092
Mauritius	1994	0.996268	0.7839
Mauritius	1995	0.988114	0.789355

Mauritius	1996	0.923973	0.738861
Mauritius	1997	0.899823	0.699261
Mauritius	1998	0.910683	0.702415
Mauritius	1999	0.928566	0.717855
Mauritius	2000	0.995053	0.77431
Mauritius	2001	0.979239	0.769047
Mauritius	2002	0.899328	0.7055
Mauritius	2003	0.943053	0.733968
Mauritius	2004	0.925262	0.723859
Mauritius	2005	0.92733	0.727248
Mauritius	2006	0.942548	0.745284
Mauritius	2007	0.934733	0.753928
Mauritius	2008	0.902499	0.735209
Mauritius	2009	0.855919	0.696554
Mauritius	2010	0.884717	0.710758
Mauritius	2011	0.843754	0.678107
Mauritius	2012	0.895397	0.714052
Mauritius	2013	0.870548	0.695416
Mauritius	2014	0.872555	0.701738
Mauritius	2015	0.849229	0.685232
Mauritius	2016	0.828713	0.669571
Mauritius	2017	0.889327	0.717066
Mauritius	2018	0.873638	0.706288
Mauritius	2019	0.865816	0.699819
Mexico	1990	1.078398	1.048632

Mexico	1991	1.075019	1.040023
Mexico	1992	1.086669	1.043003
Mexico	1993	1.091016	1.040778
Mexico	1994	1.082324	1.027802
Mexico	1995	1.095406	1.033573
Mexico	1996	1.094571	1.026731
Mexico	1997	1.094724	1.022765
Mexico	1998	1.102235	1.022629
Mexico	1999	1.120489	1.033242
Mexico	2000	1.097268	1.009582
Mexico	2001	1.101573	1.009819
Mexico	2002	1.080918	0.987715
Mexico	2003	1.074058	0.97873
Mexico	2004	1.071029	0.974993
Mexico	2005	1.053626	0.959082
Mexico	2006	1.049174	0.953395
Mexico	2007	1.047691	0.950921
Mexico	2008	1.020609	0.923375
Mexico	2009	1.031489	0.928038
Mexico	2010	1.033104	0.92865
Mexico	2011	1.016719	0.911677
Mexico	2012	1.010454	0.902523
Mexico	2013	0.984236	0.875506
Mexico	2014	0.978046	0.867256
Mexico	2015	0.960093	0.848844



Mexico	2016	0.946389	0.834406
Mexico	2017	0.919663	0.808347
Mexico	2018	0.92066	0.806294
Mexico	2019	0.912661	0.794804
Micronesia (Federated States of)	1990	1.044948	0.976014
Micronesia (Federated States of)	1991	1.063367	0.987065
Micronesia (Federated States of)	1992	1.085287	1.00053
Micronesia (Federated States of)	1993	1.104225	1.010412
Micronesia (Federated States of)	1994	1.127485	1.023454
Micronesia (Federated States of)	1995	1.154087	1.039054
Micronesia (Federated States of)	1996	1.175387	1.049479
Micronesia (Federated States of)	1997	1.192982	1.057541
Micronesia (Federated States of)	1998	1.205251	1.061571
Micronesia (Federated States of)	1999	1.216182	1.065192
Micronesia (Federated States of)	2000	1.22136	1.064296
Micronesia (Federated States of)	2001	1.227829	1.06496
Micronesia (Federated States of)	2002	1.23739	1.069029
Micronesia (Federated States of)	2003	1.224554	1.054574
Micronesia (Federated States of)	2004	1.221401	1.049043
Micronesia (Federated States of)	2005	1.212073	1.039666
Micronesia (Federated States of)	2006	1.227931	1.050787
Micronesia (Federated States of)	2007	1.19562	1.021078
Micronesia (Federated States of)	2008	1.162752	0.99167
Micronesia (Federated States of)	2009	1.129838	0.96289
Micronesia (Federated States of)	2010	1.101329	0.937482

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5	Micronesia (Federated States of)	2011	1.064706	0.907
6	Micronesia (Federated States of)	2012	1.034839	0.882568
7	Micronesia (Federated States of)	2013	1.009272	0.861923
8	Micronesia (Federated States of)	2014	0.988996	0.845971
9	Micronesia (Federated States of)	2015	0.97729	0.835961
10	Micronesia (Federated States of)	2016	0.962942	0.825061
11	Micronesia (Federated States of)	2017	0.959648	0.823572
12	Micronesia (Federated States of)	2018	0.955921	0.821916
13	Micronesia (Federated States of)	2019	0.951491	0.819525
14	Monaco	1990	0.925141	0.509605
15	Monaco	1991	0.927871	0.511247
16	Monaco	1992	0.935894	0.515033
17	Monaco	1993	0.947152	0.520603
18	Monaco	1994	0.958841	0.52651
19	Monaco	1995	0.968499	0.532215
20	Monaco	1996	0.976394	0.538766
21	Monaco	1997	0.991226	0.548622
22	Monaco	1998	1.010798	0.560403
23	Monaco	1999	1.034407	0.573567
24	Monaco	2000	1.055584	0.586374
25	Monaco	2001	1.068534	0.59852
26	Monaco	2002	1.075324	0.609122
27	Monaco	2003	1.081212	0.620175
28	Monaco	2004	1.086635	0.630366
29	Monaco	2005	1.088433	0.639145
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Monaco	2006	1.082645	0.645151
Monaco	2007	1.070951	0.648902
Monaco	2008	1.059886	0.653042
Monaco	2009	1.054282	0.658945
Monaco	2010	1.052876	0.666098
Monaco	2011	1.050548	0.672052
Monaco	2012	1.046823	0.678352
Monaco	2013	1.03124	0.674487
Monaco	2014	1.025477	0.675192
Monaco	2015	1.022501	0.676323
Monaco	2016	1.017735	0.675253
Monaco	2017	1.011475	0.673635
Monaco	2018	1.004845	0.672659
Monaco	2019	0.997704	0.670993
Mongolia	1990	1.068489	0.837677
Mongolia	1991	1.083221	0.846939
Mongolia	1992	1.081256	0.854461
Mongolia	1993	1.092407	0.854763
Mongolia	1994	1.087824	0.850761
Mongolia	1995	1.079002	0.852306
Mongolia	1996	1.060124	0.840739
Mongolia	1997	1.082339	0.856448
Mongolia	1998	1.074045	0.833624
Mongolia	1999	1.084455	0.837111
Mongolia	2000	1.047604	0.821764

Mongolia	2001	0.976921	0.761449
Mongolia	2002	0.921562	0.715086
Mongolia	2003	0.882353	0.687733
Mongolia	2004	0.854392	0.675443
Mongolia	2005	0.832971	0.664011
Mongolia	2006	0.833794	0.662218
Mongolia	2007	0.823721	0.663589
Mongolia	2008	0.819758	0.675399
Mongolia	2009	0.832738	0.69269
Mongolia	2010	0.825495	0.676345
Mongolia	2011	0.81695	0.665265
Mongolia	2012	0.819276	0.684519
Mongolia	2013	0.808343	0.682186
Mongolia	2014	0.795602	0.677174
Mongolia	2015	0.795543	0.676357
Mongolia	2016	0.790086	0.663606
Mongolia	2017	0.794348	0.661505
Mongolia	2018	0.793758	0.653293
Mongolia	2019	0.788673	0.633037
Montenegro	1990	0.730016	0.531763
Montenegro	1991	0.733277	0.528923
Montenegro	1992	0.752784	0.539443
Montenegro	1993	0.760196	0.546079
Montenegro	1994	0.793137	0.571782
Montenegro	1995	0.803658	0.58153

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5	Montenegro	1996	0.816688	0.593459
6	Montenegro	1997	0.803945	0.587557
7	Montenegro	1998	0.800749	0.587413
8	Montenegro	1999	0.806197	0.590958
9	Montenegro	2000	0.831277	0.61343
10	Montenegro	2001	0.83478	0.624572
11	Montenegro	2002	0.812396	0.611387
12	Montenegro	2003	0.800159	0.604112
13	Montenegro	2004	0.776479	0.583612
14	Montenegro	2005	0.749911	0.558299
15	Montenegro	2006	0.761925	0.567128
16	Montenegro	2007	0.800333	0.592415
17	Montenegro	2008	0.829676	0.616523
18	Montenegro	2009	0.849739	0.637266
19	Montenegro	2010	0.862346	0.649889
20	Montenegro	2011	0.845212	0.642788
21	Montenegro	2012	0.851893	0.648937
22	Montenegro	2013	0.843268	0.645223
23	Montenegro	2014	0.848705	0.651204
24	Montenegro	2015	0.842623	0.641021
25	Montenegro	2016	0.809543	0.606147
26	Montenegro	2017	0.802626	0.594613
27	Montenegro	2018	0.825529	0.60972
28	Montenegro	2019	0.810302	0.592792
29	Morocco	1990	0.99491	0.878909
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Morocco	1991	0.991678	0.881717
Morocco	1992	0.946036	0.847594
Morocco	1993	0.935928	0.840068
Morocco	1994	0.94912	0.849024
Morocco	1995	0.952789	0.849879
Morocco	1996	0.973631	0.873777
Morocco	1997	0.987708	0.885371
Morocco	1998	0.96864	0.862799
Morocco	1999	0.966075	0.851575
Morocco	2000	1.027192	0.934749
Morocco	2001	1.1055	1.039632
Morocco	2002	1.172219	1.105859
Morocco	2003	1.178042	1.112077
Morocco	2004	1.210291	1.158825
Morocco	2005	1.232854	1.193653
Morocco	2006	1.241772	1.213695
Morocco	2007	1.25736	1.236321
Morocco	2008	1.258971	1.247946
Morocco	2009	1.258156	1.25791
Morocco	2010	1.260311	1.270169
Morocco	2011	1.257748	1.277081
Morocco	2012	1.235274	1.256931
Morocco	2013	1.049889	1.040043
Morocco	2014	1.068511	1.042004
Morocco	2015	1.085833	1.043414

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5	Morocco	2016	1.097535	1.040243
6	Morocco	2017	1.107104	1.035671
7	Morocco	2018	1.112476	1.03045
8	Morocco	2019	1.116306	1.025441
9	Morocco	2019	1.116306	1.025441
10	Mozambique	1990	0.7455	0.632955
11	Mozambique	1991	0.740092	0.623329
12	Mozambique	1992	0.735712	0.617705
13	Mozambique	1992	0.735712	0.617705
14	Mozambique	1993	0.723898	0.608977
15	Mozambique	1994	0.719732	0.605701
16	Mozambique	1994	0.719732	0.605701
17	Mozambique	1995	0.713228	0.598496
18	Mozambique	1996	0.714012	0.596174
19	Mozambique	1997	0.715332	0.594212
20	Mozambique	1997	0.715332	0.594212
21	Mozambique	1998	0.710254	0.587737
22	Mozambique	1999	0.702769	0.579659
23	Mozambique	1999	0.702769	0.579659
24	Mozambique	2000	0.692727	0.56899
25	Mozambique	2001	0.678268	0.555227
26	Mozambique	2002	0.669768	0.545593
27	Mozambique	2002	0.669768	0.545593
28	Mozambique	2003	0.664322	0.539428
29	Mozambique	2004	0.664309	0.538267
30	Mozambique	2005	0.67067	0.543276
31	Mozambique	2005	0.67067	0.543276
32	Mozambique	2006	0.666668	0.537137
33	Mozambique	2007	0.666481	0.536097
34	Mozambique	2008	0.66311	0.534174
35	Mozambique	2008	0.66311	0.534174
36	Mozambique	2009	0.663878	0.535535
37	Mozambique	2010	0.664697	0.536946
38	Mozambique	2010	0.664697	0.536946
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Mozambique	2011	0.665384	0.538654
Mozambique	2012	0.666639	0.540631
Mozambique	2013	0.667253	0.542927
Mozambique	2014	0.670594	0.547312
Mozambique	2015	0.676028	0.553124
Mozambique	2016	0.678167	0.557826
Mozambique	2017	0.68422	0.56494
Mozambique	2018	0.686623	0.567848
Mozambique	2019	0.689936	0.571072
Myanmar	1990	1.18372	0.956469
Myanmar	1991	1.186191	0.955607
Myanmar	1992	1.19093	0.957006
Myanmar	1993	1.194359	0.957396
Myanmar	1994	1.1991	0.959002
Myanmar	1995	1.201551	0.957968
Myanmar	1996	1.201112	0.955698
Myanmar	1997	1.200431	0.953416
Myanmar	1998	1.201065	0.952161
Myanmar	1999	1.200264	0.950136
Myanmar	2000	1.205709	0.953426
Myanmar	2001	1.200051	0.949125
Myanmar	2002	1.197862	0.947276
Myanmar	2003	1.20639	0.952919
Myanmar	2004	1.192564	0.942485
Myanmar	2005	1.178545	0.930368



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Myanmar	2006	1.17357	0.924872
Myanmar	2007	1.161685	0.914034
Myanmar	2008	1.150781	0.9032
Myanmar	2009	1.127682	0.883668
Myanmar	2010	1.099544	0.859687
Myanmar	2011	1.071159	0.835402
Myanmar	2012	1.05088	0.816291
Myanmar	2013	1.050014	0.812047
Myanmar	2014	1.048675	0.807729
Myanmar	2015	1.048365	0.80387
Myanmar	2016	1.049722	0.801738
Myanmar	2017	1.060853	0.807818
Myanmar	2018	1.06684	0.8106
Myanmar	2019	1.070598	0.810062
Namibia	1990	0.520952	0.414139
Namibia	1991	0.518697	0.41023
Namibia	1992	0.514996	0.405404
Namibia	1993	0.516465	0.404232
Namibia	1994	0.514588	0.401503
Namibia	1995	0.514977	0.400811
Namibia	1996	0.512347	0.398035
Namibia	1997	0.520707	0.40232
Namibia	1998	0.528704	0.406669
Namibia	1999	0.536913	0.411569
Namibia	2000	0.542403	0.414466

Namibia	2001	0.536134	0.40849
Namibia	2002	0.535634	0.406544
Namibia	2003	0.527334	0.398785
Namibia	2004	0.515515	0.38807
Namibia	2005	0.50934	0.380508
Namibia	2006	0.512883	0.379323
Namibia	2007	0.520243	0.380621
Namibia	2008	0.525957	0.380947
Namibia	2009	0.537255	0.385315
Namibia	2010	0.542963	0.386363
Namibia	2011	0.547274	0.385731
Namibia	2012	0.562226	0.393271
Namibia	2013	0.570154	0.396655
Namibia	2014	0.579949	0.402086
Namibia	2015	0.589423	0.407695
Namibia	2016	0.596258	0.411905
Namibia	2017	0.601077	0.414841
Namibia	2018	0.606703	0.418179
Namibia	2019	0.61335	0.422065
Nauru	1990	0.841129	0.90935
Nauru	1991	0.836849	0.90501
Nauru	1992	0.838949	0.908351
Nauru	1993	0.81655	0.888291
Nauru	1994	0.827685	0.897083
Nauru	1995	0.825315	0.892624

Nauru	1996	0.835952	0.896632
Nauru	1997	0.847038	0.900004
Nauru	1998	0.859692	0.901619
Nauru	1999	0.855559	0.887218
Nauru	2000	0.855925	0.875318
Nauru	2001	0.857772	0.863824
Nauru	2002	0.845386	0.844801
Nauru	2003	0.839563	0.830172
Nauru	2004	0.843791	0.82551
Nauru	2005	0.830454	0.805166
Nauru	2006	0.821763	0.78876
Nauru	2007	0.806174	0.767626
Nauru	2008	0.793628	0.750901
Nauru	2009	0.787585	0.740255
Nauru	2010	0.783428	0.733114
Nauru	2011	0.782513	0.727983
Nauru	2012	0.78002	0.722149
Nauru	2013	0.779317	0.718327
Nauru	2014	0.776438	0.713153
Nauru	2015	0.78012	0.712964
Nauru	2016	0.786155	0.71382
Nauru	2017	0.797984	0.719267
Nauru	2018	0.809922	0.723824
Nauru	2019	0.822037	0.727821
Nepal	1990	1.006487	0.88658

Nepal	1991	1.008787	0.889125
Nepal	1992	1.017032	0.897647
Nepal	1993	1.009764	0.893959
Nepal	1994	0.999923	0.887975
Nepal	1995	0.980684	0.874587
Nepal	1996	0.960356	0.859834
Nepal	1997	0.932334	0.838205
Nepal	1998	0.9169	0.826599
Nepal	1999	0.913889	0.824936
Nepal	2000	0.891626	0.807733
Nepal	2001	0.885184	0.803387
Nepal	2002	0.88509	0.80353
Nepal	2003	0.886223	0.804379
Nepal	2004	0.88261	0.801964
Nepal	2005	0.88549	0.803022
Nepal	2006	0.885284	0.802625
Nepal	2007	0.895269	0.810404
Nepal	2008	0.906467	0.818901
Nepal	2009	0.920021	0.829422
Nepal	2010	0.946883	0.850073
Nepal	2011	0.956762	0.857514
Nepal	2012	0.976914	0.871798
Nepal	2013	0.994293	0.883126
Nepal	2014	1.016476	0.898038
Nepal	2015	1.035396	0.907818

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5	Nepal	2016	1.049671	0.914186
6	Nepal	2017	1.063584	0.920054
7	Nepal	2018	1.076166	0.92446
8	Nepal	2019	1.087308	0.926945
9	Nepal	2019	1.087308	0.926945
10	Netherlands	1990	1.447557	0.744821
11	Netherlands	1991	1.476313	0.748788
12	Netherlands	1992	1.479029	0.741339
13	Netherlands	1993	1.466228	0.727559
14	Netherlands	1994	1.509769	0.744292
15	Netherlands	1995	1.525182	0.750735
16	Netherlands	1996	1.511319	0.746839
17	Netherlands	1997	1.502871	0.745412
18	Netherlands	1998	1.468095	0.728972
19	Netherlands	1999	1.439072	0.71541
20	Netherlands	2000	1.39814	0.697868
21	Netherlands	2001	1.413555	0.709338
22	Netherlands	2002	1.425754	0.719386
23	Netherlands	2003	1.388924	0.704545
24	Netherlands	2004	1.400944	0.709384
25	Netherlands	2005	1.401287	0.709922
26	Netherlands	2006	1.401839	0.710847
27	Netherlands	2007	1.402669	0.714385
28	Netherlands	2008	1.406942	0.72216
29	Netherlands	2009	1.40736	0.727049
30	Netherlands	2010	1.421272	0.736793
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5	Netherlands	2011	1.446806	0.757099
6	Netherlands	2012	1.442136	0.762483
7	Netherlands	2013	1.430792	0.767487
8	Netherlands	2014	1.440957	0.786282
9	Netherlands	2015	1.412873	0.785196
10	Netherlands	2016	1.402363	0.791495
11	Netherlands	2017	1.364227	0.786008
12	Netherlands	2018	1.345275	0.792336
13	Netherlands	2019	1.31752	0.791067
14	Netherlands	2019	1.31752	0.791067
15	Netherlands	2019	1.31752	0.791067
16	Netherlands	2019	1.31752	0.791067
17	New Zealand	1990	1.066192	0.705987
18	New Zealand	1991	1.063794	0.698293
19	New Zealand	1992	0.993804	0.647648
20	New Zealand	1993	0.990158	0.641685
21	New Zealand	1994	0.975831	0.628564
22	New Zealand	1995	0.987665	0.632708
23	New Zealand	1996	1.006324	0.639629
24	New Zealand	1997	0.977481	0.622835
25	New Zealand	1998	0.981552	0.627138
26	New Zealand	1999	0.975372	0.624972
27	New Zealand	2000	0.962181	0.62377
28	New Zealand	2001	0.943874	0.613128
29	New Zealand	2002	0.97546	0.637451
30	New Zealand	2003	0.971302	0.637979
31	New Zealand	2004	0.993113	0.655944
32	New Zealand	2005	0.992803	0.66123
33	New Zealand	2005	0.992803	0.66123
34	New Zealand	2005	0.992803	0.66123
35	New Zealand	2005	0.992803	0.66123
36	New Zealand	2005	0.992803	0.66123
37	New Zealand	2005	0.992803	0.66123
38	New Zealand	2005	0.992803	0.66123
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New Zealand	2006	0.984374	0.661881
New Zealand	2007	0.956275	0.65261
New Zealand	2008	0.960295	0.664472
New Zealand	2009	0.944662	0.656956
New Zealand	2010	0.959474	0.671581
New Zealand	2011	0.954743	0.674297
New Zealand	2012	0.930048	0.664193
New Zealand	2013	0.924215	0.667159
New Zealand	2014	0.91942	0.665934
New Zealand	2015	0.941312	0.687821
New Zealand	2016	0.929588	0.68481
New Zealand	2017	0.927328	0.689256
New Zealand	2018	0.893293	0.670898
New Zealand	2019	0.881984	0.667259
Nicaragua	1990	0.522688	0.397753
Nicaragua	1991	0.514671	0.395575
Nicaragua	1992	0.515144	0.395474
Nicaragua	1993	0.52376	0.401308
Nicaragua	1994	0.495389	0.382344
Nicaragua	1995	0.657199	0.544353
Nicaragua	1996	0.644636	0.542242
Nicaragua	1997	0.630431	0.535664
Nicaragua	1998	0.618795	0.531651
Nicaragua	1999	0.572153	0.497733
Nicaragua	2000	0.578434	0.508295

Nicaragua	2001	0.593106	0.527615
Nicaragua	2002	0.583986	0.525227
Nicaragua	2003	0.551447	0.49958
Nicaragua	2004	0.557455	0.50602
Nicaragua	2005	0.538036	0.48986
Nicaragua	2006	0.52597	0.477105
Nicaragua	2007	0.544361	0.49303
Nicaragua	2008	0.539564	0.48876
Nicaragua	2009	0.545132	0.49153
Nicaragua	2010	0.550934	0.493435
Nicaragua	2011	0.535405	0.477532
Nicaragua	2012	0.522062	0.46299
Nicaragua	2013	0.524102	0.460842
Nicaragua	2014	0.537312	0.467204
Nicaragua	2015	0.557047	0.479269
Nicaragua	2016	0.541955	0.463483
Nicaragua	2017	0.558139	0.471183
Nicaragua	2018	0.560598	0.468403
Nicaragua	2019	0.562831	0.466458
Niger	1990	0.810415	0.758079
Niger	1991	0.826226	0.773965
Niger	1992	0.838852	0.788117
Niger	1993	0.845358	0.798159
Niger	1994	0.855762	0.808671
Niger	1995	0.860737	0.809156



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Niger	1996	0.856771	0.807281
Niger	1997	0.855472	0.806414
Niger	1998	0.843432	0.798485
Niger	1999	0.828745	0.782915
Niger	2000	0.819592	0.771369
Niger	2001	0.806746	0.759651
Niger	2002	0.797001	0.752312
Niger	2003	0.787058	0.746425
Niger	2004	0.775544	0.739366
Niger	2005	0.766949	0.727909
Niger	2006	0.756655	0.71908
Niger	2007	0.750941	0.711134
Niger	2008	0.743702	0.704064
Niger	2009	0.735897	0.69378
Niger	2010	0.727739	0.684338
Niger	2011	0.726785	0.678833
Niger	2012	0.724445	0.674636
Niger	2013	0.718303	0.669687
Niger	2014	0.722409	0.67305
Niger	2015	0.724784	0.671592
Niger	2016	0.724831	0.672213
Niger	2017	0.726952	0.673326
Niger	2018	0.721766	0.673434
Niger	2019	0.724118	0.675679
Nigeria	1990	0.942702	0.872561

Nigeria	1991	0.934436	0.872282
Nigeria	1992	0.924894	0.872943
Nigeria	1993	0.914077	0.870767
Nigeria	1994	0.906826	0.871447
Nigeria	1995	0.895881	0.866064
Nigeria	1996	0.885105	0.861683
Nigeria	1997	0.881762	0.864812
Nigeria	1998	0.87083	0.860374
Nigeria	1999	0.852298	0.847813
Nigeria	2000	0.834291	0.834275
Nigeria	2001	0.819429	0.824864
Nigeria	2002	0.807634	0.81888
Nigeria	2003	0.793461	0.811085
Nigeria	2004	0.783844	0.806558
Nigeria	2005	0.771572	0.797225
Nigeria	2006	0.765569	0.792637
Nigeria	2007	0.759324	0.78688
Nigeria	2008	0.75287	0.779753
Nigeria	2009	0.745507	0.769981
Nigeria	2010	0.736712	0.759652
Nigeria	2011	0.734046	0.753786
Nigeria	2012	0.737838	0.751281
Nigeria	2013	0.734996	0.740608
Nigeria	2014	0.742661	0.740121
Nigeria	2015	0.754025	0.743835

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5	Nigeria	2016	0.763335	0.745167
6	Nigeria	2017	0.778616	0.75156
7	Nigeria	2018	0.793522	0.757511
8	Nigeria	2019	0.810217	0.764132
9	Niue	1990	1.190231	0.775411
10	Niue	1991	1.194033	0.789915
11	Niue	1992	1.207319	0.812242
12	Niue	1993	1.20373	0.823011
13	Niue	1994	1.178585	0.817084
14	Niue	1995	1.157887	0.813367
15	Niue	1996	1.143385	0.814647
16	Niue	1997	1.133241	0.820008
17	Niue	1998	1.099876	0.807742
18	Niue	1999	1.073953	0.798718
19	Niue	2000	1.048715	0.788429
20	Niue	2001	1.012068	0.767538
21	Niue	2002	1.005777	0.76615
22	Niue	2003	0.992871	0.757578
23	Niue	2004	1.011142	0.772571
24	Niue	2005	0.978883	0.747352
25	Niue	2006	0.972596	0.743419
26	Niue	2007	0.95894	0.733977
27	Niue	2008	0.95539	0.73326
28	Niue	2009	0.939876	0.721684
29	Niue	2010	0.926776	0.71016
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Niue	2011	0.91639	0.701185
Niue	2012	0.907389	0.69404
Niue	2013	0.901788	0.689627
Niue	2014	0.895694	0.683761
Niue	2015	0.894766	0.680007
Niue	2016	0.892505	0.676161
Niue	2017	0.893889	0.676244
Niue	2018	0.890768	0.674944
Niue	2019	0.887772	0.673264
North Macedonia	1990	0.680204	0.58975
North Macedonia	1991	0.68378	0.5956
North Macedonia	1992	0.664624	0.571964
North Macedonia	1993	0.644703	0.547151
North Macedonia	1994	0.663149	0.555907
North Macedonia	1995	0.671096	0.552266
North Macedonia	1996	0.695813	0.563928
North Macedonia	1997	0.741597	0.594207
North Macedonia	1998	0.771646	0.617339
North Macedonia	1999	0.777685	0.616422
North Macedonia	2000	0.797954	0.622484
North Macedonia	2001	0.778443	0.606375
North Macedonia	2002	0.749492	0.587121
North Macedonia	2003	0.769429	0.60026
North Macedonia	2004	0.792515	0.614197
North Macedonia	2005	0.783544	0.610202

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5	North Macedonia	2006	0.767706	0.60037
6	North Macedonia	2007	0.791232	0.612007
7	North Macedonia	2008	0.790856	0.612737
8	North Macedonia	2009	0.763725	0.598462
9	North Macedonia	2010	0.778915	0.614822
10	North Macedonia	2011	0.793147	0.637721
11	North Macedonia	2012	0.811289	0.66772
12	North Macedonia	2013	0.780544	0.642134
13	North Macedonia	2014	0.776893	0.636497
14	North Macedonia	2015	0.799244	0.654666
15	North Macedonia	2016	0.786323	0.643621
16	North Macedonia	2017	0.788026	0.643868
17	North Macedonia	2018	0.795756	0.652467
18	North Macedonia	2019	0.797522	0.654678
19	Northern Mariana Islands	1990	0.904061	1.155126
20	Northern Mariana Islands	1991	0.908144	1.156065
21	Northern Mariana Islands	1992	0.940581	1.169589
22	Northern Mariana Islands	1993	0.975433	1.173898
23	Northern Mariana Islands	1994	1.002007	1.17191
24	Northern Mariana Islands	1995	1.003151	1.154852
25	Northern Mariana Islands	1996	0.987202	1.126734
26	Northern Mariana Islands	1997	0.968009	1.097328
27	Northern Mariana Islands	1998	0.947527	1.065921
28	Northern Mariana Islands	1999	0.959593	1.066621
29	Northern Mariana Islands	2000	0.952837	1.060532
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Northern Mariana Islands	2001	0.991994	1.099375
Northern Mariana Islands	2002	0.987834	1.094556
Northern Mariana Islands	2003	0.979144	1.077003
Northern Mariana Islands	2004	0.978766	1.061672
Northern Mariana Islands	2005	0.955494	1.027025
Northern Mariana Islands	2006	0.935982	1.000809
Northern Mariana Islands	2007	0.897664	0.960032
Northern Mariana Islands	2008	0.864887	0.927883
Northern Mariana Islands	2009	0.838403	0.903614
Northern Mariana Islands	2010	0.815518	0.876638
Northern Mariana Islands	2011	0.817938	0.865424
Northern Mariana Islands	2012	0.827228	0.851935
Northern Mariana Islands	2013	0.852758	0.850358
Northern Mariana Islands	2014	0.875267	0.849207
Northern Mariana Islands	2015	0.888178	0.851222
Northern Mariana Islands	2016	0.885488	0.844042
Northern Mariana Islands	2017	0.888524	0.842979
Northern Mariana Islands	2018	0.887991	0.841535
Northern Mariana Islands	2019	0.885281	0.840043
Norway	1990	0.75453	0.444114
Norway	1991	0.76261	0.443497
Norway	1992	0.753197	0.43253
Norway	1993	0.762236	0.431351
Norway	1994	0.781039	0.438624
Norway	1995	0.763202	0.424597

Norway	1996	0.758874	0.419658
Norway	1997	0.75473	0.412952
Norway	1998	0.774382	0.420472
Norway	1999	0.804349	0.433843
Norway	2000	0.825601	0.441517
Norway	2001	0.853106	0.453431
Norway	2002	0.867374	0.459636
Norway	2003	0.880328	0.464835
Norway	2004	0.889531	0.470566
Norway	2005	0.89659	0.476656
Norway	2006	0.922606	0.490047
Norway	2007	0.907665	0.483353
Norway	2008	0.911053	0.485221
Norway	2009	0.928439	0.497259
Norway	2010	0.935386	0.504449
Norway	2011	0.92996	0.505624
Norway	2012	0.945872	0.517948
Norway	2013	0.94377	0.523526
Norway	2014	0.921463	0.517737
Norway	2015	0.916327	0.521282
Norway	2016	0.921739	0.532769
Norway	2017	0.936924	0.549344
Norway	2018	0.918215	0.550188
Norway	2019	0.878137	0.537045
Oman	1990	0.979395	0.855588

Oman	1991	0.973416	0.875397
Oman	1992	0.949128	0.87044
Oman	1993	0.928445	0.864161
Oman	1994	0.918156	0.861888
Oman	1995	0.904759	0.858133
Oman	1996	0.87801	0.851048
Oman	1997	0.854061	0.839597
Oman	1998	0.840761	0.832031
Oman	1999	0.837351	0.831819
Oman	2000	0.834719	0.835971
Oman	2001	0.827618	0.842637
Oman	2002	0.836788	0.865047
Oman	2003	0.845547	0.873422
Oman	2004	0.855899	0.869597
Oman	2005	0.876488	0.894328
Oman	2006	0.881398	0.931667
Oman	2007	0.83088	0.881098
Oman	2008	0.794738	0.829971
Oman	2009	0.813201	0.848894
Oman	2010	0.846076	0.885023
Oman	2011	0.828041	0.880499
Oman	2012	0.795644	0.823064
Oman	2013	0.786745	0.844324
Oman	2014	0.832188	0.90246
Oman	2015	0.831518	0.871769



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Oman	2016	0.822027	0.839947
Oman	2017	0.850428	0.847046
Oman	2018	0.903009	0.894798
Oman	2019	0.928841	0.907248
Pakistan	1990	0.769579	0.859356
Pakistan	1991	0.77647	0.861193
Pakistan	1992	0.790828	0.870807
Pakistan	1993	0.795747	0.870075
Pakistan	1994	0.805727	0.87484
Pakistan	1995	0.818759	0.883548
Pakistan	1996	0.825433	0.884969
Pakistan	1997	0.83398	0.887684
Pakistan	1998	0.842863	0.891115
Pakistan	1999	0.855256	0.899086
Pakistan	2000	0.86957	0.91118
Pakistan	2001	0.872852	0.911187
Pakistan	2002	0.871058	0.904883
Pakistan	2003	0.880193	0.910245
Pakistan	2004	0.877101	0.904079
Pakistan	2005	0.872892	0.897924
Pakistan	2006	0.872655	0.894325
Pakistan	2007	0.872149	0.891288
Pakistan	2008	0.875317	0.890402
Pakistan	2009	0.878341	0.890376
Pakistan	2010	0.878473	0.888904

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5	Pakistan	2011	0.877758	0.884423
6	Pakistan	2012	0.873696	0.878442
7	Pakistan	2013	0.883067	0.885333
8	Pakistan	2014	0.882844	0.883889
9	Pakistan	2015	0.881913	0.881605
10	Pakistan	2016	0.881354	0.879779
11	Pakistan	2017	0.883992	0.881982
12	Pakistan	2018	0.88619	0.884133
13	Pakistan	2019	0.889084	0.887167
14	Palau	1990	0.590726	0.567074
15	Palau	1991	0.592484	0.570484
16	Palau	1992	0.597138	0.577494
17	Palau	1993	0.598439	0.583652
18	Palau	1994	0.607683	0.594125
19	Palau	1995	0.602122	0.598155
20	Palau	1996	0.594922	0.602471
21	Palau	1997	0.583794	0.605164
22	Palau	1998	0.569959	0.607432
23	Palau	1999	0.552715	0.606219
24	Palau	2000	0.535765	0.600872
25	Palau	2001	0.527349	0.594391
26	Palau	2002	0.528002	0.591384
27	Palau	2003	0.527773	0.584654
28	Palau	2004	0.551456	0.599923
29	Palau	2005	0.561114	0.60323
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5	Palau	2006	0.560422	0.591128
6	Palau	2007	0.553735	0.574366
7	Palau	2008	0.548002	0.561176
8	Palau	2009	0.544165	0.552275
9	Palau	2010	0.540527	0.545934
10	Palau	2011	0.537092	0.540225
11	Palau	2012	0.533922	0.535625
12	Palau	2013	0.533608	0.534197
13	Palau	2014	0.531007	0.530978
14	Palau	2015	0.529723	0.529574
15	Palau	2016	0.529932	0.529197
16	Palau	2017	0.533105	0.531537
17	Palau	2018	0.535611	0.532533
18	Palau	2019	0.538439	0.532765
19	Palestine	1990	1.096766	0.844508
20	Palestine	1991	1.091591	0.837304
21	Palestine	1992	1.084402	0.829288
22	Palestine	1993	1.079099	0.822787
23	Palestine	1994	1.078678	0.820767
24	Palestine	1995	1.07913	0.819914
25	Palestine	1996	1.078497	0.818714
26	Palestine	1997	1.046346	0.793599
27	Palestine	1998	1.00854	0.764127
28	Palestine	1999	0.968609	0.734114
29	Palestine	2000	0.941176	0.712675
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Palestine	2001	0.911024	0.687406
Palestine	2002	0.883868	0.663667
Palestine	2003	0.868165	0.64945
Palestine	2004	0.866073	0.644743
Palestine	2005	0.862481	0.641533
Palestine	2006	0.86778	0.645021
Palestine	2007	0.888549	0.660241
Palestine	2008	0.918877	0.687188
Palestine	2009	0.938756	0.70351
Palestine	2010	0.97194	0.724081
Palestine	2011	0.972628	0.724938
Palestine	2012	0.957763	0.721228
Palestine	2013	0.962405	0.732859
Palestine	2014	0.945347	0.721619
Palestine	2015	0.981757	0.74991
Palestine	2016	1.030033	0.788183
Palestine	2017	1.031354	0.790637
Palestine	2018	1.009338	0.781943
Palestine	2019	1.007945	0.795501
Panama	1990	0.684806	0.673883
Panama	1991	0.662354	0.648572
Panama	1992	0.682867	0.663984
Panama	1993	0.622521	0.60272
Panama	1994	0.632837	0.60781
Panama	1995	0.609146	0.578484

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Panama	1996	0.649564	0.611483
Panama	1997	0.695155	0.650684
Panama	1998	0.755965	0.707313
Panama	1999	0.726618	0.67976
Panama	2000	0.755907	0.704044
Panama	2001	0.753036	0.698864
Panama	2002	0.744099	0.687659
Panama	2003	0.745748	0.685298
Panama	2004	0.776886	0.713745
Panama	2005	0.74812	0.688865
Panama	2006	0.721141	0.662738
Panama	2007	0.704199	0.645755
Panama	2008	0.673904	0.615725
Panama	2009	0.672603	0.61248
Panama	2010	0.660371	0.597237
Panama	2011	0.680747	0.613704
Panama	2012	0.671265	0.603026
Panama	2013	0.709723	0.637278
Panama	2014	0.703626	0.631
Panama	2015	0.696567	0.623082
Panama	2016	0.695587	0.620452
Panama	2017	0.686796	0.611485
Panama	2018	0.70711	0.629843
Panama	2019	0.702706	0.625932
Papua New Guinea	1990	0.510353	0.520489

Papua New Guinea	1991	0.507586	0.517922
Papua New Guinea	1992	0.507342	0.516734
Papua New Guinea	1993	0.505816	0.514488
Papua New Guinea	1994	0.504687	0.513087
Papua New Guinea	1995	0.503742	0.512226
Papua New Guinea	1996	0.507201	0.51616
Papua New Guinea	1997	0.510876	0.518938
Papua New Guinea	1998	0.51547	0.522528
Papua New Guinea	1999	0.518813	0.525667
Papua New Guinea	2000	0.520481	0.527957
Papua New Guinea	2001	0.520252	0.52839
Papua New Guinea	2002	0.521909	0.529584
Papua New Guinea	2003	0.522595	0.530408
Papua New Guinea	2004	0.523892	0.532711
Papua New Guinea	2005	0.520392	0.530805
Papua New Guinea	2006	0.522667	0.534894
Papua New Guinea	2007	0.521963	0.535709
Papua New Guinea	2008	0.515748	0.531163
Papua New Guinea	2009	0.51058	0.528153
Papua New Guinea	2010	0.50998	0.528219
Papua New Guinea	2011	0.504127	0.522987
Papua New Guinea	2012	0.499902	0.520138
Papua New Guinea	2013	0.494541	0.517163
Papua New Guinea	2014	0.490763	0.51518
Papua New Guinea	2015	0.490012	0.516154

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5	Papua New Guinea	2016	0.488799	0.517054
6	Papua New Guinea	2017	0.489673	0.518489
7	Papua New Guinea	2018	0.488274	0.517236
8	Papua New Guinea	2019	0.487062	0.516906
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10	Paraguay	1990	0.87285	0.733251
11	Paraguay	1991	0.871421	0.73538
12	Paraguay	1992	0.861984	0.731253
13	Paraguay	1993	0.893227	0.763558
14	Paraguay	1994	0.874891	0.750756
15	Paraguay	1995	0.891905	0.767908
16	Paraguay	1996	0.894482	0.771026
17	Paraguay	1997	0.90991	0.786707
18	Paraguay	1998	0.891224	0.772082
19	Paraguay	1999	0.892023	0.776159
20	Paraguay	2000	0.908794	0.790837
21	Paraguay	2001	0.900237	0.782912
22	Paraguay	2002	0.900709	0.784708
23	Paraguay	2003	0.899833	0.784946
24	Paraguay	2004	0.905188	0.78769
25	Paraguay	2005	0.906572	0.78923
26	Paraguay	2006	0.919604	0.800699
27	Paraguay	2007	0.895242	0.778963
28	Paraguay	2008	0.8998	0.782922
29	Paraguay	2009	0.887053	0.770607
30	Paraguay	2010	0.889014	0.769331
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5	Paraguay	2011	0.893574	0.772361
6	Paraguay	2012	0.880004	0.758167
7	Paraguay	2013	0.894597	0.76836
8	Paraguay	2014	0.863302	0.743413
9	Paraguay	2015	0.829355	0.715781
10	Paraguay	2016	0.841111	0.72518
11	Paraguay	2017	0.843696	0.726201
12	Paraguay	2018	0.843366	0.725494
13	Paraguay	2019	0.836684	0.71842
14	Peru	1990	0.913601	0.863955
15	Peru	1991	1.00472	0.948777
16	Peru	1992	1.044879	0.98688
17	Peru	1993	1.027759	0.970272
18	Peru	1994	1.115356	1.054376
19	Peru	1995	1.156215	1.097468
20	Peru	1996	1.083906	1.03572
21	Peru	1997	1.079265	1.033944
22	Peru	1998	1.084938	1.038903
23	Peru	1999	1.053269	1.008394
24	Peru	2000	1.05003	1.00284
25	Peru	2001	1.015949	0.966888
26	Peru	2002	1.021084	0.968834
27	Peru	2003	1.050852	0.995309
28	Peru	2004	1.010514	0.953906
29	Peru	2005	1.011217	0.949196
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Peru	2006	0.971567	0.907069
Peru	2007	0.93459	0.868534
Peru	2008	0.964408	0.891577
Peru	2009	1.005513	0.925821
Peru	2010	1.016288	0.931538
Peru	2011	1.030177	0.940505
Peru	2012	1.051711	0.956412
Peru	2013	1.058485	0.95881
Peru	2014	1.067343	0.963477
Peru	2015	1.06634	0.959772
Peru	2016	1.074129	0.96437
Peru	2017	1.089316	0.975806
Peru	2018	1.098656	0.982166
Peru	2019	1.110745	0.990734
Philippines	1990	0.895381	0.902283
Philippines	1991	0.880509	0.883263
Philippines	1992	0.881702	0.876569
Philippines	1993	0.877133	0.864402
Philippines	1994	0.86956	0.85266
Philippines	1995	0.87258	0.852439
Philippines	1996	0.866278	0.838327
Philippines	1997	0.8542	0.812544
Philippines	1998	0.847416	0.798709
Philippines	1999	0.848855	0.801611
Philippines	2000	0.854486	0.804787

Philippines	2001	0.854201	0.80103
Philippines	2002	0.85769	0.80353
Philippines	2003	0.847201	0.792661
Philippines	2004	0.843162	0.788747
Philippines	2005	0.841734	0.787366
Philippines	2006	0.834808	0.780353
Philippines	2007	0.832589	0.775666
Philippines	2008	0.838592	0.777601
Philippines	2009	0.835108	0.770345
Philippines	2010	0.829964	0.764372
Philippines	2011	0.827424	0.758476
Philippines	2012	0.838945	0.763847
Philippines	2013	0.85046	0.770959
Philippines	2014	0.840941	0.760785
Philippines	2015	0.845221	0.761678
Philippines	2016	0.843903	0.758905
Philippines	2017	0.852911	0.768268
Philippines	2018	0.858187	0.773633
Philippines	2019	0.859915	0.775107
Poland	1990	0.917881	0.594086
Poland	1991	0.90409	0.580834
Poland	1992	0.919908	0.58486
Poland	1993	0.946987	0.594748
Poland	1994	0.960281	0.600366
Poland	1995	0.958064	0.595011

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5	Poland	1996	0.985587	0.604305
6	Poland	1997	0.999282	0.608044
7	Poland	1998	1.016292	0.611599
8	Poland	1999	1.025894	0.611673
9	Poland	2000	1.053107	0.615915
10	Poland	2001	1.045756	0.604648
11	Poland	2002	1.042927	0.59748
12	Poland	2003	1.038911	0.591794
13	Poland	2004	1.041969	0.592438
14	Poland	2005	1.070954	0.608519
15	Poland	2006	1.101807	0.627874
16	Poland	2007	1.126684	0.643817
17	Poland	2008	1.09441	0.626611
18	Poland	2009	1.086273	0.622186
19	Poland	2010	1.050341	0.600421
20	Poland	2011	1.022768	0.5837
21	Poland	2012	1.045657	0.594587
22	Poland	2013	1.06034	0.600538
23	Poland	2014	1.095376	0.617875
24	Poland	2015	1.090725	0.612589
25	Poland	2016	1.085856	0.609823
26	Poland	2017	1.063426	0.59996
27	Poland	2018	1.053713	0.59652
28	Poland	2019	1.043147	0.59288
29	Poland	2019	1.043147	0.59288
30	Poland	2019	1.043147	0.59288
31	Poland	2019	1.043147	0.59288
32	Poland	2019	1.043147	0.59288
33	Poland	2019	1.043147	0.59288
34	Poland	2019	1.043147	0.59288
35	Poland	2019	1.043147	0.59288
36	Poland	2019	1.043147	0.59288
37	Portugal	1990	0.884262	0.543926
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Portugal	1991	0.890398	0.549614
Portugal	1992	0.887748	0.548645
Portugal	1993	0.905257	0.559067
Portugal	1994	0.934888	0.578709
Portugal	1995	0.954761	0.593079
Portugal	1996	0.955694	0.595236
Portugal	1997	0.983491	0.612126
Portugal	1998	0.9847	0.611874
Portugal	1999	0.994401	0.611865
Portugal	2000	1.014619	0.622443
Portugal	2001	1.023922	0.627747
Portugal	2002	1.046333	0.641815
Portugal	2003	1.071809	0.658259
Portugal	2004	1.082705	0.665587
Portugal	2005	1.100718	0.675084
Portugal	2006	1.117627	0.682107
Portugal	2007	1.12877	0.685484
Portugal	2008	1.135725	0.684655
Portugal	2009	1.158093	0.693652
Portugal	2010	1.181695	0.701173
Portugal	2011	1.212089	0.712886
Portugal	2012	1.214154	0.709169
Portugal	2013	1.223854	0.710161
Portugal	2014	1.23894	0.71278
Portugal	2015	1.253346	0.718468

Portugal	2016	1.250497	0.714503
Portugal	2017	1.242519	0.710662
Portugal	2018	1.247566	0.715337
Portugal	2019	1.242236	0.713636
Puerto Rico	1990	0.80275	0.669891
Puerto Rico	1991	0.809018	0.669491
Puerto Rico	1992	0.805713	0.661874
Puerto Rico	1993	0.80907	0.659305
Puerto Rico	1994	0.823879	0.665447
Puerto Rico	1995	0.795614	0.637683
Puerto Rico	1996	0.821616	0.653485
Puerto Rico	1997	0.806042	0.636572
Puerto Rico	1998	0.783507	0.61465
Puerto Rico	1999	0.830368	0.646628
Puerto Rico	2000	0.847044	0.655127
Puerto Rico	2001	0.813541	0.623902
Puerto Rico	2002	0.837027	0.636125
Puerto Rico	2003	0.849227	0.641471
Puerto Rico	2004	0.851207	0.638502
Puerto Rico	2005	0.819532	0.609731
Puerto Rico	2006	0.828059	0.610677
Puerto Rico	2007	0.851411	0.623053
Puerto Rico	2008	0.870717	0.634801
Puerto Rico	2009	0.835635	0.606872
Puerto Rico	2010	0.873679	0.632793

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5	Puerto Rico	2011	0.865857	0.627258
6	Puerto Rico	2012	0.864947	0.620861
7	Puerto Rico	2013	0.87645	0.628923
8	Puerto Rico	2014	0.887603	0.635695
9	Puerto Rico	2015	0.868531	0.617416
10	Puerto Rico	2016	0.888741	0.631972
11	Puerto Rico	2017	0.888622	0.629582
12	Puerto Rico	2018	0.911225	0.642743
13	Puerto Rico	2019	0.924823	0.650285
14	Puerto Rico	2019	0.924823	0.650285
15	Puerto Rico	2019	0.924823	0.650285
16	Puerto Rico	2019	0.924823	0.650285
17	Qatar	1990	0.952955	1.265583
18	Qatar	1991	0.901362	1.196006
19	Qatar	1992	0.878474	1.194201
20	Qatar	1993	0.898298	1.317721
21	Qatar	1994	0.910554	1.544928
22	Qatar	1995	0.875373	1.597969
23	Qatar	1996	0.813587	1.370316
24	Qatar	1997	0.763374	1.260175
25	Qatar	1998	0.741687	1.250523
26	Qatar	1999	0.752939	1.33758
27	Qatar	2000	0.763105	1.470088
28	Qatar	2001	0.776966	1.566502
29	Qatar	2002	0.775655	1.635752
30	Qatar	2003	0.76026	1.672719
31	Qatar	2004	0.769387	1.81363
32	Qatar	2005	0.780175	1.889947
33	Qatar	2005	0.780175	1.889947
34	Qatar	2005	0.780175	1.889947
35	Qatar	2005	0.780175	1.889947
36	Qatar	2005	0.780175	1.889947
37	Qatar	2005	0.780175	1.889947
38	Qatar	2005	0.780175	1.889947
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Qatar	2006	0.75546	1.899169
Qatar	2007	0.740074	1.926302
Qatar	2008	0.708016	1.953539
Qatar	2009	0.686412	2.077397
Qatar	2010	0.675395	2.109451
Qatar	2011	0.652704	2.009032
Qatar	2012	0.635437	1.934902
Qatar	2013	0.645644	1.98802
Qatar	2014	0.649426	1.950938
Qatar	2015	0.59925	1.734004
Qatar	2016	0.609361	1.770803
Qatar	2017	0.624812	1.811416
Qatar	2018	0.631227	1.877501
Qatar	2019	0.623123	1.904559
Republic of Korea	1990	0.857258	0.549206
Republic of Korea	1991	0.875952	0.551973
Republic of Korea	1992	0.905363	0.563273
Republic of Korea	1993	0.922645	0.569835
Republic of Korea	1994	0.927687	0.567936
Republic of Korea	1995	0.968644	0.600595
Republic of Korea	1996	0.983011	0.618658
Republic of Korea	1997	1.005261	0.628044
Republic of Korea	1998	1.022196	0.634332
Republic of Korea	1999	1.047436	0.6421
Republic of Korea	2000	1.072308	0.652147

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5	Republic of Korea	2001	1.084258	0.656648
6	Republic of Korea	2002	1.098332	0.660852
7	Republic of Korea	2003	1.097612	0.658917
8	Republic of Korea	2004	1.07524	0.647505
9	Republic of Korea	2005	1.071843	0.64214
10	Republic of Korea	2006	1.053906	0.631558
11	Republic of Korea	2007	1.044885	0.623151
12	Republic of Korea	2008	1.029952	0.613718
13	Republic of Korea	2009	1.024996	0.609758
14	Republic of Korea	2010	1.018097	0.600666
15	Republic of Korea	2011	1.014423	0.595254
16	Republic of Korea	2012	1.014457	0.594651
17	Republic of Korea	2013	1.016761	0.598625
18	Republic of Korea	2014	1.009222	0.597557
19	Republic of Korea	2015	1.013167	0.598706
20	Republic of Korea	2016	1.015444	0.601958
21	Republic of Korea	2017	1.00616	0.602647
22	Republic of Korea	2018	1.025879	0.621714
23	Republic of Korea	2019	1.022686	0.625971
24	Republic of Moldova	1990	0.848599	0.515396
25	Republic of Moldova	1991	0.818752	0.511245
26	Republic of Moldova	1992	0.812354	0.508411
27	Republic of Moldova	1993	0.824758	0.520016
28	Republic of Moldova	1994	0.758844	0.496269
29	Republic of Moldova	1995	0.723716	0.482553
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5	Republic of Moldova	1996	0.715793	0.47752
6	Republic of Moldova	1997	0.74865	0.492646
7	Republic of Moldova	1998	0.729586	0.478633
8	Republic of Moldova	1999	0.75475	0.494013
9	Republic of Moldova	2000	0.786413	0.514092
10	Republic of Moldova	2001	0.805144	0.526969
11	Republic of Moldova	2002	0.881436	0.580425
12	Republic of Moldova	2003	0.920664	0.606418
13	Republic of Moldova	2004	0.883634	0.573869
14	Republic of Moldova	2005	0.825192	0.541935
15	Republic of Moldova	2006	0.878413	0.571388
16	Republic of Moldova	2007	0.941002	0.612718
17	Republic of Moldova	2008	0.957584	0.626718
18	Republic of Moldova	2009	0.965352	0.637306
19	Republic of Moldova	2010	0.955516	0.637033
20	Republic of Moldova	2011	0.986443	0.647917
21	Republic of Moldova	2012	1.008266	0.659343
22	Republic of Moldova	2013	1.062256	0.694627
23	Republic of Moldova	2014	1.059157	0.69576
24	Republic of Moldova	2015	1.00229	0.644196
25	Republic of Moldova	2016	1.059686	0.666742
26	Republic of Moldova	2017	1.114566	0.69188
27	Republic of Moldova	2018	1.082026	0.672992
28	Republic of Moldova	2019	1.044547	0.651103
29	Romania	1990	1.079553	0.866268
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Romania	1991	1.086222	0.862351
Romania	1992	1.046153	0.826138
Romania	1993	1.029617	0.80953
Romania	1994	1.012606	0.792177
Romania	1995	1.000688	0.777709
Romania	1996	0.983609	0.758064
Romania	1997	0.959848	0.733464
Romania	1998	0.981335	0.736681
Romania	1999	0.997782	0.738726
Romania	2000	0.994107	0.73164
Romania	2001	0.956077	0.70287
Romania	2002	0.951443	0.694438
Romania	2003	0.945295	0.685769
Romania	2004	0.936806	0.672382
Romania	2005	0.962369	0.686111
Romania	2006	0.981261	0.695823
Romania	2007	1.005379	0.708652
Romania	2008	0.989066	0.694823
Romania	2009	0.998743	0.697203
Romania	2010	0.99074	0.686144
Romania	2011	1.001066	0.685511
Romania	2012	0.997056	0.677662
Romania	2013	1.01578	0.685032
Romania	2014	1.005041	0.674832
Romania	2015	1.007222	0.673017

Romania	2016	1.00319	0.668504
Romania	2017	1.008839	0.671674
Romania	2018	1.002935	0.667179
Romania	2019	1.007882	0.667713
Russian Federation	1990	1.237604	0.690445
Russian Federation	1991	1.240021	0.696266
Russian Federation	1992	1.175419	0.674369
Russian Federation	1993	1.095619	0.649003
Russian Federation	1994	1.066959	0.643526
Russian Federation	1995	1.088154	0.651418
Russian Federation	1996	1.13313	0.665031
Russian Federation	1997	1.192142	0.685413
Russian Federation	1998	1.203965	0.68899
Russian Federation	1999	1.163027	0.676473
Russian Federation	2000	1.12748	0.660553
Russian Federation	2001	1.143098	0.666437
Russian Federation	2002	1.151992	0.668583
Russian Federation	2003	1.154748	0.670397
Russian Federation	2004	1.162412	0.672801
Russian Federation	2005	1.157706	0.672401
Russian Federation	2006	1.19925	0.68176
Russian Federation	2007	1.232211	0.690174
Russian Federation	2008	1.223246	0.681691
Russian Federation	2009	1.255663	0.690114
Russian Federation	2010	1.250566	0.683559

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5	Russian Federation	2011	1.286702	0.694845
6	Russian Federation	2012	1.295215	0.692835
7	Russian Federation	2013	1.305034	0.693218
8	Russian Federation	2014	1.302006	0.689733
9	Russian Federation	2015	1.334409	0.703311
10	Russian Federation	2016	1.344511	0.707135
11	Russian Federation	2017	1.394103	0.731382
12	Russian Federation	2018	1.394549	0.735282
13	Russian Federation	2019	1.381232	0.732034
14	Rwanda	1990	0.824395	0.650032
15	Rwanda	1991	0.81081	0.639775
16	Rwanda	1992	0.782385	0.617991
17	Rwanda	1993	0.760105	0.601291
18	Rwanda	1994	0.756358	0.581929
19	Rwanda	1995	0.759429	0.566516
20	Rwanda	1996	0.759521	0.566825
21	Rwanda	1997	0.765052	0.5693
22	Rwanda	1998	0.787475	0.580555
23	Rwanda	1999	0.816803	0.597427
24	Rwanda	2000	0.829663	0.603649
25	Rwanda	2001	0.843068	0.611413
26	Rwanda	2002	0.852925	0.615855
27	Rwanda	2003	0.865838	0.623707
28	Rwanda	2004	0.873066	0.62669
29	Rwanda	2005	0.876651	0.629256
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Rwanda	2006	0.874617	0.628897
Rwanda	2007	0.878535	0.630917
Rwanda	2008	0.887536	0.635571
Rwanda	2009	0.895936	0.641741
Rwanda	2010	0.908779	0.649458
Rwanda	2011	0.918745	0.656101
Rwanda	2012	0.926945	0.661974
Rwanda	2013	0.939974	0.672839
Rwanda	2014	0.956287	0.683731
Rwanda	2015	0.969773	0.693098
Rwanda	2016	0.978654	0.701247
Rwanda	2017	0.990168	0.711922
Rwanda	2018	0.998336	0.721102
Rwanda	2019	1.006308	0.729699
Saint Kitts and Nevis	1990	0.977618	0.720692
Saint Kitts and Nevis	1991	0.777526	0.583399
Saint Kitts and Nevis	1992	0.785881	0.582392
Saint Kitts and Nevis	1993	0.805116	0.592521
Saint Kitts and Nevis	1994	0.839028	0.608603
Saint Kitts and Nevis	1995	0.876303	0.63063
Saint Kitts and Nevis	1996	0.864655	0.621258
Saint Kitts and Nevis	1997	0.863032	0.618292
Saint Kitts and Nevis	1998	0.870163	0.623277
Saint Kitts and Nevis	1999	0.883872	0.634954
Saint Kitts and Nevis	2000	0.915314	0.659458

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5	Saint Kitts and Nevis	2001	0.928859	0.671865
6	Saint Kitts and Nevis	2002	0.937404	0.681404
7	Saint Kitts and Nevis	2003	0.933207	0.684634
8	Saint Kitts and Nevis	2004	0.939514	0.703626
9	Saint Kitts and Nevis	2005	0.924993	0.701387
10	Saint Kitts and Nevis	2006	0.919201	0.70406
11	Saint Kitts and Nevis	2007	0.915181	0.707981
12	Saint Kitts and Nevis	2008	0.952305	0.723867
13	Saint Kitts and Nevis	2009	0.968373	0.732117
14	Saint Kitts and Nevis	2010	0.954543	0.723024
15	Saint Kitts and Nevis	2011	0.948111	0.715818
16	Saint Kitts and Nevis	2012	0.924673	0.698322
17	Saint Kitts and Nevis	2013	0.918237	0.695838
18	Saint Kitts and Nevis	2014	0.906135	0.692654
19	Saint Kitts and Nevis	2015	0.881642	0.680331
20	Saint Kitts and Nevis	2016	0.867707	0.674668
21	Saint Kitts and Nevis	2017	0.850948	0.666632
22	Saint Kitts and Nevis	2018	0.831812	0.66427
23	Saint Kitts and Nevis	2019	0.750426	0.666059
24	Saint Lucia	1990	0.820367	0.585517
25	Saint Lucia	1991	0.834488	0.602001
26	Saint Lucia	1992	0.850757	0.616906
27	Saint Lucia	1993	0.849089	0.617068
28	Saint Lucia	1994	0.839079	0.615244
29	Saint Lucia	1995	0.835752	0.620428
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5	Saint Lucia	1996	0.802615	0.604438
6	Saint Lucia	1997	0.774274	0.589376
7	Saint Lucia	1998	0.782389	0.602523
8	Saint Lucia	1999	0.790826	0.617421
9	Saint Lucia	2000	0.790218	0.620439
10	Saint Lucia	2001	0.777224	0.604588
11	Saint Lucia	2002	0.758923	0.587237
12	Saint Lucia	2003	0.760145	0.586709
13	Saint Lucia	2004	0.775105	0.596586
14	Saint Lucia	2005	0.798511	0.615856
15	Saint Lucia	2006	0.810371	0.630761
16	Saint Lucia	2007	0.751768	0.58511
17	Saint Lucia	2008	0.741994	0.577525
18	Saint Lucia	2009	0.750507	0.586573
19	Saint Lucia	2010	0.760554	0.601201
20	Saint Lucia	2011	0.809689	0.64893
21	Saint Lucia	2012	0.822286	0.664903
22	Saint Lucia	2013	0.799342	0.645977
23	Saint Lucia	2014	0.801771	0.650044
24	Saint Lucia	2015	0.793431	0.646977
25	Saint Lucia	2016	0.788999	0.642229
26	Saint Lucia	2017	0.784017	0.638882
27	Saint Lucia	2018	0.780336	0.636198
28	Saint Lucia	2019	0.778887	0.635259
29	Saint Vincent and the Grenadines	1990	1.055811	0.779191
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5	Saint Vincent and the Grenadines	1991	1.060365	0.797731
6	Saint Vincent and the Grenadines	1992	1.059923	0.810912
7	Saint Vincent and the Grenadines	1993	1.059589	0.821744
8	Saint Vincent and the Grenadines	1994	1.069537	0.844344
9	Saint Vincent and the Grenadines	1995	0.990095	0.786788
10	Saint Vincent and the Grenadines	1996	0.92571	0.739108
11	Saint Vincent and the Grenadines	1997	0.894478	0.717007
12	Saint Vincent and the Grenadines	1998	0.881609	0.708572
13	Saint Vincent and the Grenadines	1999	0.895191	0.717596
14	Saint Vincent and the Grenadines	2000	0.906901	0.727819
15	Saint Vincent and the Grenadines	2001	0.941204	0.766283
16	Saint Vincent and the Grenadines	2002	0.931621	0.760813
17	Saint Vincent and the Grenadines	2003	0.921101	0.754886
18	Saint Vincent and the Grenadines	2004	0.923713	0.758606
19	Saint Vincent and the Grenadines	2005	0.929897	0.771784
20	Saint Vincent and the Grenadines	2006	0.913858	0.763832
21	Saint Vincent and the Grenadines	2007	0.919976	0.775243
22	Saint Vincent and the Grenadines	2008	0.938457	0.802308
23	Saint Vincent and the Grenadines	2009	0.962495	0.834135
24	Saint Vincent and the Grenadines	2010	0.971071	0.849322
25	Saint Vincent and the Grenadines	2011	0.979049	0.865898
26	Saint Vincent and the Grenadines	2012	0.956986	0.863578
27	Saint Vincent and the Grenadines	2013	0.933168	0.860723
28	Saint Vincent and the Grenadines	2014	0.921409	0.863582
29	Saint Vincent and the Grenadines	2015	0.907507	0.86158
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5	Saint Vincent and the Grenadines	2016	0.873985	0.842537
6	Saint Vincent and the Grenadines	2017	0.859361	0.837012
7	Saint Vincent and the Grenadines	2018	0.845672	0.830576
8	Saint Vincent and the Grenadines	2019	0.833823	0.82454
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10	Samoa	1990	0.980132	0.843734
11	Samoa	1991	1.000796	0.860756
12	Samoa	1992	1.023771	0.880098
13	Samoa	1993	1.031447	0.887633
14	Samoa	1994	1.049276	0.904544
15	Samoa	1995	1.068083	0.922056
16	Samoa	1996	1.09226	0.944345
17	Samoa	1997	1.116858	0.967899
18	Samoa	1998	1.143322	0.993029
19	Samoa	1999	1.164018	1.012467
20	Samoa	2000	1.177392	1.024988
21	Samoa	2001	1.172274	1.021756
22	Samoa	2002	1.173842	1.024537
23	Samoa	2003	1.149307	1.003549
24	Samoa	2004	1.138468	0.993735
25	Samoa	2005	1.108915	0.967133
26	Samoa	2006	1.073711	0.93589
27	Samoa	2007	1.042902	0.907576
28	Samoa	2008	1.016908	0.884179
29	Samoa	2009	0.997005	0.866721
30	Samoa	2010	0.976604	0.849334
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5	Samoa	2011	0.979265	0.852803
6	Samoa	2012	0.968264	0.845265
7	Samoa	2013	0.953319	0.834396
8	Samoa	2014	0.945781	0.83022
9	Samoa	2015	0.951454	0.837853
10	Samoa	2016	0.955475	0.844459
11	Samoa	2017	0.95904	0.851083
12	Samoa	2018	0.959346	0.855019
13	Samoa	2019	0.959927	0.859111
14	San Marino	1990	1.040527	0.662137
15	San Marino	1991	1.034054	0.656258
16	San Marino	1992	1.028794	0.650989
17	San Marino	1993	1.017848	0.641779
18	San Marino	1994	1.014914	0.637147
19	San Marino	1995	1.022855	0.638643
20	San Marino	1996	1.013723	0.629773
21	San Marino	1997	1.0178	0.629635
22	San Marino	1998	1.035194	0.637541
23	San Marino	1999	1.043112	0.639273
24	San Marino	2000	1.061203	0.647772
25	San Marino	2001	1.10068	0.670472
26	San Marino	2002	1.14621	0.698311
27	San Marino	2003	1.202461	0.735765
28	San Marino	2004	1.23389	0.760178
29	San Marino	2005	1.268334	0.786763
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San Marino	2006	1.273335	0.794871
San Marino	2007	1.275614	0.800868
San Marino	2008	1.277743	0.806368
San Marino	2009	1.28295	0.813942
San Marino	2010	1.285141	0.819464
San Marino	2011	1.287608	0.82488
San Marino	2012	1.291652	0.831402
San Marino	2013	1.289952	0.834102
San Marino	2014	1.286467	0.835325
San Marino	2015	1.283363	0.83659
San Marino	2016	1.277029	0.835106
San Marino	2017	1.264401	0.829351
San Marino	2018	1.251972	0.823236
San Marino	2019	1.24039	0.817325
Sao Tome and Principe	1990	1.091374	0.933524
Sao Tome and Principe	1991	1.113804	0.953047
Sao Tome and Principe	1992	1.139972	0.980625
Sao Tome and Principe	1993	1.215059	1.081878
Sao Tome and Principe	1994	1.239155	1.109895
Sao Tome and Principe	1995	1.238259	1.114617
Sao Tome and Principe	1996	1.244594	1.125181
Sao Tome and Principe	1997	1.254845	1.138117
Sao Tome and Principe	1998	1.258592	1.1408
Sao Tome and Principe	1999	1.273254	1.152136
Sao Tome and Principe	2000	1.308013	1.172362

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5	Sao Tome and Principe	2001	1.29916	1.159733
6	Sao Tome and Principe	2002	1.282631	1.149629
7	Sao Tome and Principe	2003	1.269253	1.131711
8	Sao Tome and Principe	2004	1.255308	1.12558
9	Sao Tome and Principe	2005	1.212922	1.088347
10	Sao Tome and Principe	2006	1.221649	1.093759
11	Sao Tome and Principe	2007	1.246116	1.111153
12	Sao Tome and Principe	2008	1.226771	1.095035
13	Sao Tome and Principe	2009	1.23417	1.099047
14	Sao Tome and Principe	2010	1.258555	1.117148
15	Sao Tome and Principe	2011	1.232555	1.096997
16	Sao Tome and Principe	2012	1.205056	1.075871
17	Sao Tome and Principe	2013	1.198096	1.069787
18	Sao Tome and Principe	2014	1.213287	1.080153
19	Sao Tome and Principe	2015	1.213986	1.080881
20	Sao Tome and Principe	2016	1.216079	1.082527
21	Sao Tome and Principe	2017	1.219651	1.086355
22	Sao Tome and Principe	2018	1.220924	1.08889
23	Sao Tome and Principe	2019	1.219127	1.08909
24	Saudi Arabia	1990	0.695398	0.829786
25	Saudi Arabia	1991	0.712169	0.854348
26	Saudi Arabia	1992	0.719496	0.867184
27	Saudi Arabia	1993	0.727002	0.878748
28	Saudi Arabia	1994	0.742709	0.898777
29	Saudi Arabia	1995	0.761874	0.922789
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5	Saudi Arabia	1996	0.784305	0.947356
6	Saudi Arabia	1997	0.804263	0.967726
7	Saudi Arabia	1998	0.810679	0.973063
8	Saudi Arabia	1999	0.816395	0.976741
9	Saudi Arabia	2000	0.820477	0.983554
10	Saudi Arabia	2001	0.821211	0.976888
11	Saudi Arabia	2002	0.827178	0.977433
12	Saudi Arabia	2003	0.822493	0.962185
13	Saudi Arabia	2004	0.821679	0.95553
14	Saudi Arabia	2005	0.815244	0.948694
15	Saudi Arabia	2006	0.810154	0.94029
16	Saudi Arabia	2007	0.800765	0.931723
17	Saudi Arabia	2008	0.786844	0.922069
18	Saudi Arabia	2009	0.772323	0.91303
19	Saudi Arabia	2010	0.76119	0.911913
20	Saudi Arabia	2011	0.745556	0.899816
21	Saudi Arabia	2012	0.73911	0.89891
22	Saudi Arabia	2013	0.736146	0.907402
23	Saudi Arabia	2014	0.739157	0.923105
24	Saudi Arabia	2015	0.740954	0.940363
25	Saudi Arabia	2016	0.745207	0.95483
26	Saudi Arabia	2017	0.752481	0.975445
27	Saudi Arabia	2018	0.758989	0.995576
28	Saudi Arabia	2019	0.763422	1.013679
29	Senegal	1990	0.884747	0.858724
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Senegal	1991	0.891844	0.862058
Senegal	1992	0.896679	0.863392
Senegal	1993	0.898105	0.862398
Senegal	1994	0.899111	0.862183
Senegal	1995	0.899343	0.859763
Senegal	1996	0.898532	0.857803
Senegal	1997	0.886586	0.844268
Senegal	1998	0.88376	0.840365
Senegal	1999	0.881527	0.836596
Senegal	2000	0.879275	0.831594
Senegal	2001	0.872506	0.825969
Senegal	2002	0.870204	0.822799
Senegal	2003	0.873973	0.821234
Senegal	2004	0.850079	0.798413
Senegal	2005	0.827835	0.77646
Senegal	2006	0.808141	0.756535
Senegal	2007	0.794045	0.741842
Senegal	2008	0.77887	0.72756
Senegal	2009	0.767907	0.716548
Senegal	2010	0.767865	0.711673
Senegal	2011	0.767131	0.709302
Senegal	2012	0.765409	0.707099
Senegal	2013	0.761534	0.704161
Senegal	2014	0.764675	0.707866
Senegal	2015	0.770795	0.712137

5	Senegal	2016	0.779506	0.720298
6	Senegal	2017	0.787654	0.727948
7	Senegal	2018	0.79524	0.735888
9	Senegal	2019	0.802915	0.743064
10	Serbia	1990	0.73799	0.603061
11	Serbia	1991	0.751915	0.61215
12	Serbia	1992	0.745895	0.598418
13	Serbia	1993	0.766901	0.611856
14	Serbia	1994	0.781888	0.620647
15	Serbia	1995	0.792746	0.626364
16	Serbia	1996	0.802507	0.635855
17	Serbia	1997	0.815138	0.652642
18	Serbia	1998	0.778837	0.621888
19	Serbia	1999	0.794648	0.623776
20	Serbia	2000	0.769534	0.605957
21	Serbia	2001	0.77247	0.605364
22	Serbia	2002	0.734907	0.574323
23	Serbia	2003	0.746359	0.581392
24	Serbia	2004	0.746084	0.578442
25	Serbia	2005	0.760475	0.588941
26	Serbia	2006	0.76393	0.589334
27	Serbia	2007	0.77937	0.595466
28	Serbia	2008	0.801348	0.61088
29	Serbia	2009	0.83196	0.636222
30	Serbia	2010	0.852949	0.653777

Serbia	2011	0.863156	0.660403
Serbia	2012	0.88227	0.670731
Serbia	2013	0.853039	0.639376
Serbia	2014	0.87394	0.650601
Serbia	2015	0.899328	0.670437
Serbia	2016	0.926887	0.690613
Serbia	2017	0.925711	0.690169
Serbia	2018	0.933605	0.693648
Serbia	2019	0.933707	0.696426
Seychelles	1990	1.017107	0.702428
Seychelles	1991	1.020898	0.697742
Seychelles	1992	1.022397	0.693457
Seychelles	1993	1.02782	0.692034
Seychelles	1994	1.017442	0.68456
Seychelles	1995	1.016606	0.679526
Seychelles	1996	1.045304	0.695115
Seychelles	1997	1.092161	0.725276
Seychelles	1998	1.128929	0.75104
Seychelles	1999	1.142566	0.765246
Seychelles	2000	1.186127	0.802943
Seychelles	2001	1.202158	0.822396
Seychelles	2002	1.188011	0.82041
Seychelles	2003	1.171268	0.813173
Seychelles	2004	1.209464	0.842131
Seychelles	2005	1.169282	0.805472



Seychelles	2006	1.185979	0.818787
Seychelles	2007	1.214313	0.845111
Seychelles	2008	1.2311	0.859386
Seychelles	2009	1.197098	0.834808
Seychelles	2010	1.212228	0.867157
Seychelles	2011	1.228304	0.902733
Seychelles	2012	1.192854	0.880645
Seychelles	2013	1.216633	0.907188
Seychelles	2014	1.212517	0.925165
Seychelles	2015	1.169363	0.915602
Seychelles	2016	1.134994	0.909444
Seychelles	2017	1.109851	0.89732
Seychelles	2018	1.097048	0.897572
Seychelles	2019	1.082504	0.898742
Sierra Leone	1990	0.787919	0.795377
Sierra Leone	1991	0.790962	0.792612
Sierra Leone	1992	0.792598	0.791321
Sierra Leone	1993	0.792881	0.789444
Sierra Leone	1994	0.810527	0.795239
Sierra Leone	1995	0.815354	0.795979
Sierra Leone	1996	0.830066	0.804332
Sierra Leone	1997	0.84446	0.812131
Sierra Leone	1998	0.851017	0.812806
Sierra Leone	1999	0.863143	0.810965
Sierra Leone	2000	0.867725	0.81152

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5	Sierra Leone	2001	0.870057	0.807892
6	Sierra Leone	2002	0.88269	0.814524
7	Sierra Leone	2003	0.887295	0.814107
8	Sierra Leone	2004	0.904772	0.819484
9	Sierra Leone	2005	0.902009	0.816075
10	Sierra Leone	2006	0.904874	0.816248
11	Sierra Leone	2007	0.908455	0.817708
12	Sierra Leone	2008	0.9111	0.81823
13	Sierra Leone	2009	0.916357	0.819564
14	Sierra Leone	2010	0.905713	0.815749
15	Sierra Leone	2011	0.90687	0.815569
16	Sierra Leone	2012	0.900591	0.815611
17	Sierra Leone	2013	0.898045	0.816791
18	Sierra Leone	2014	0.901668	0.824467
19	Sierra Leone	2015	0.894141	0.823506
20	Sierra Leone	2016	0.895925	0.830446
21	Sierra Leone	2017	0.895543	0.833929
22	Sierra Leone	2018	0.89368	0.835265
23	Sierra Leone	2019	0.891018	0.836793
24	Singapore	1990	1.163438	0.899451
25	Singapore	1991	1.129393	0.881363
26	Singapore	1992	1.153563	0.921822
27	Singapore	1993	1.116385	0.896281
28	Singapore	1994	1.076889	0.845189
29	Singapore	1995	1.050864	0.825318
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Singapore	1996	1.071672	0.841391
Singapore	1997	1.106303	0.867415
Singapore	1998	1.083205	0.853333
Singapore	1999	1.096735	0.864456
Singapore	2000	1.107024	0.8751
Singapore	2001	1.12114	0.885171
Singapore	2002	1.135497	0.893845
Singapore	2003	1.181337	0.921314
Singapore	2004	1.240904	0.956691
Singapore	2005	1.124899	0.861722
Singapore	2006	1.140442	0.868721
Singapore	2007	1.129855	0.864193
Singapore	2008	1.16467	0.901644
Singapore	2009	1.191044	0.920265
Singapore	2010	1.184357	0.90915
Singapore	2011	1.179199	0.910006
Singapore	2012	1.200217	0.933094
Singapore	2013	1.208179	0.949316
Singapore	2014	1.211514	0.953871
Singapore	2015	1.211928	0.960929
Singapore	2016	1.199671	0.951955
Singapore	2017	1.233326	0.968313
Singapore	2018	1.219639	0.959599
Singapore	2019	1.250283	0.991418
Slovakia	1990	0.944649	0.647308

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5	Slovakia	1991	0.976455	0.663918
6	Slovakia	1992	0.955654	0.644376
7	Slovakia	1993	0.995726	0.665691
8	Slovakia	1994	1.009351	0.670677
9	Slovakia	1995	1.017436	0.674329
10	Slovakia	1996	1.009444	0.668133
11	Slovakia	1997	1.04119	0.687493
12	Slovakia	1998	0.992929	0.652283
13	Slovakia	1999	1.009819	0.657257
14	Slovakia	2000	0.975233	0.628247
15	Slovakia	2001	1.011914	0.645803
16	Slovakia	2002	0.985897	0.625087
17	Slovakia	2003	1.008043	0.633926
18	Slovakia	2004	1.051345	0.654676
19	Slovakia	2005	1.036508	0.64108
20	Slovakia	2006	1.062665	0.651686
21	Slovakia	2007	1.109865	0.678383
22	Slovakia	2008	1.093175	0.663884
23	Slovakia	2009	1.159077	0.696465
24	Slovakia	2010	1.148256	0.682306
25	Slovakia	2011	1.191118	0.703254
26	Slovakia	2012	1.21351	0.711767
27	Slovakia	2013	1.232331	0.720047
28	Slovakia	2014	1.222608	0.714766
29	Slovakia	2015	1.233158	0.725429
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5	Slovakia	2016	1.258443	0.742765
6	Slovakia	2017	1.250698	0.743898
7	Slovakia	2018	1.27032	0.760949
8	Slovakia	2019	1.267158	0.765874
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10	Slovenia	1990	1.394688	0.780119
11	Slovenia	1991	1.410467	0.783523
12	Slovenia	1992	1.400783	0.768944
13	Slovenia	1993	1.378885	0.753192
14	Slovenia	1994	1.367196	0.740969
15	Slovenia	1995	1.317961	0.708775
16	Slovenia	1996	1.350995	0.720329
17	Slovenia	1997	1.295705	0.687694
18	Slovenia	1998	1.251271	0.658323
19	Slovenia	1999	1.262306	0.65755
20	Slovenia	2000	1.298258	0.663913
21	Slovenia	2001	1.266181	0.640215
22	Slovenia	2002	1.25989	0.622485
23	Slovenia	2003	1.165627	0.569175
24	Slovenia	2004	1.286114	0.622716
25	Slovenia	2005	1.400384	0.668478
26	Slovenia	2006	1.322378	0.627958
27	Slovenia	2007	1.411386	0.663917
28	Slovenia	2008	1.384634	0.647061
29	Slovenia	2009	1.44464	0.669581
30	Slovenia	2010	1.445478	0.668507
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5	Slovenia	2011	1.438805	0.663727
6	Slovenia	2012	1.439959	0.665578
7	Slovenia	2013	1.378243	0.641181
8	Slovenia	2014	1.367799	0.636246
9	Slovenia	2015	1.284322	0.602005
10	Slovenia	2016	1.278014	0.603165
11	Slovenia	2017	1.264785	0.601053
12	Slovenia	2018	1.263189	0.607731
13	Slovenia	2019	1.258858	0.612691
14	Slovenia	2019	1.258858	0.612691
15	Slovenia	2019	1.258858	0.612691
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44	Slovenia	2019	1.258858	0.612691
45	Slovenia	2019	1.258858	0.612691
46	Slovenia	2019	1.258858	0.612691
	Solomon Islands	1990	1.037928	1.144353
	Solomon Islands	1991	1.044417	1.148198
	Solomon Islands	1992	1.056013	1.156976
	Solomon Islands	1993	1.066592	1.164159
	Solomon Islands	1994	1.081983	1.175924
	Solomon Islands	1995	1.097222	1.188241
	Solomon Islands	1996	1.117544	1.206361
	Solomon Islands	1997	1.138033	1.223701
	Solomon Islands	1998	1.159552	1.241819
	Solomon Islands	1999	1.178626	1.257071
	Solomon Islands	2000	1.186507	1.258405
	Solomon Islands	2001	1.182493	1.246874
	Solomon Islands	2002	1.179042	1.236279
	Solomon Islands	2003	1.182097	1.232562
	Solomon Islands	2004	1.190252	1.233961
	Solomon Islands	2005	1.191227	1.229107

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Solomon Islands	2006	1.175755	1.207357
Solomon Islands	2007	1.14858	1.174414
Solomon Islands	2008	1.102099	1.123378
Solomon Islands	2009	1.094535	1.111581
Solomon Islands	2010	1.074319	1.088844
Solomon Islands	2011	1.065332	1.078571
Solomon Islands	2012	1.049638	1.061376
Solomon Islands	2013	1.034952	1.044876
Solomon Islands	2014	1.026433	1.034451
Solomon Islands	2015	1.016654	1.022379
Solomon Islands	2016	1.007093	1.010933
Solomon Islands	2017	0.991614	0.993079
Solomon Islands	2018	0.970301	0.971456
Solomon Islands	2019	0.977609	0.976166
Somalia	1990	0.750322	0.611496
Somalia	1991	0.74324	0.601044
Somalia	1992	0.728936	0.588467
Somalia	1993	0.714142	0.574841
Somalia	1994	0.705603	0.566449
Somalia	1995	0.699071	0.560185
Somalia	1996	0.704283	0.563338
Somalia	1997	0.712917	0.569484
Somalia	1998	0.723135	0.5768
Somalia	1999	0.733781	0.58339
Somalia	2000	0.743	0.588414

Somalia	2001	0.755732	0.596479
Somalia	2002	0.769071	0.604926
Somalia	2003	0.784596	0.615255
Somalia	2004	0.799497	0.62424
Somalia	2005	0.813829	0.632367
Somalia	2006	0.821399	0.634753
Somalia	2007	0.832464	0.639935
Somalia	2008	0.844469	0.644877
Somalia	2009	0.85818	0.653139
Somalia	2010	0.85573	0.64884
Somalia	2011	0.853771	0.646719
Somalia	2012	0.851149	0.646331
Somalia	2013	0.850363	0.64823
Somalia	2014	0.848187	0.649933
Somalia	2015	0.846803	0.652619
Somalia	2016	0.845299	0.654947
Somalia	2017	0.842177	0.656193
Somalia	2018	0.839293	0.655624
Somalia	2019	0.839583	0.657314
South Africa	1990	0.872624	0.604062
South Africa	1991	0.844694	0.582752
South Africa	1992	0.912175	0.626358
South Africa	1993	0.863401	0.593813
South Africa	1994	0.89675	0.613044
South Africa	1995	0.800476	0.54839



5	South Africa	1996	0.806957	0.550274
6	South Africa	1997	0.857876	0.580401
7	South Africa	1998	0.839139	0.565984
8	South Africa	1999	0.862781	0.575683
9	South Africa	2000	0.883991	0.586252
10	South Africa	2001	0.882307	0.581695
11	South Africa	2002	0.886612	0.581614
12	South Africa	2003	0.883797	0.577566
13	South Africa	2004	0.881778	0.576085
14	South Africa	2005	0.876284	0.573943
15	South Africa	2006	0.875827	0.572977
16	South Africa	2007	0.865365	0.567608
17	South Africa	2008	0.86076	0.56512
18	South Africa	2009	0.858824	0.563312
19	South Africa	2010	0.859822	0.560691
20	South Africa	2011	0.874497	0.566917
21	South Africa	2012	0.883077	0.573793
22	South Africa	2013	0.891229	0.580179
23	South Africa	2014	0.904752	0.590606
24	South Africa	2015	0.907736	0.594396
25	South Africa	2016	0.90994	0.594798
26	South Africa	2017	0.893752	0.587799
27	South Africa	2018	0.874707	0.580501
28	South Africa	2019	0.872436	0.582659
29	South Sudan	1990	0.617642	0.646117

South Sudan	1991	0.608182	0.639096
South Sudan	1992	0.59649	0.630499
South Sudan	1993	0.583919	0.620618
South Sudan	1994	0.575092	0.614212
South Sudan	1995	0.56239	0.606514
South Sudan	1996	0.563369	0.609884
South Sudan	1997	0.563668	0.611578
South Sudan	1998	0.567632	0.617846
South Sudan	1999	0.571434	0.623961
South Sudan	2000	0.574652	0.628503
South Sudan	2001	0.579118	0.634668
South Sudan	2002	0.583072	0.639749
South Sudan	2003	0.588461	0.647561
South Sudan	2004	0.592934	0.651815
South Sudan	2005	0.600938	0.657757
South Sudan	2006	0.602378	0.65759
South Sudan	2007	0.601339	0.654603
South Sudan	2008	0.600134	0.650473
South Sudan	2009	0.605369	0.654527
South Sudan	2010	0.609132	0.657795
South Sudan	2011	0.617707	0.666383
South Sudan	2012	0.626237	0.674514
South Sudan	2013	0.637096	0.682281
South Sudan	2014	0.646201	0.689662
South Sudan	2015	0.658325	0.698963

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South Sudan	2016	0.66504	0.704405
South Sudan	2017	0.668702	0.710524
South Sudan	2018	0.674969	0.717543
South Sudan	2019	0.681735	0.723315
Spain	1990	1.141463	0.683647
Spain	1991	1.147613	0.682843
Spain	1992	1.158914	0.68726
Spain	1993	1.175718	0.693078
Spain	1994	1.192094	0.698995
Spain	1995	1.19173	0.693909
Spain	1996	1.207036	0.697607
Spain	1997	1.226235	0.7048
Spain	1998	1.217732	0.695168
Spain	1999	1.20048	0.682673
Spain	2000	1.228318	0.693744
Spain	2001	1.242731	0.698067
Spain	2002	1.238513	0.693436
Spain	2003	1.246203	0.693896
Spain	2004	1.251368	0.694341
Spain	2005	1.253901	0.692857
Spain	2006	1.261916	0.693236
Spain	2007	1.25726	0.689482
Spain	2008	1.266641	0.690584
Spain	2009	1.271022	0.691003
Spain	2010	1.264498	0.682622

Spain	2011	1.291473	0.694299
Spain	2012	1.314847	0.704675
Spain	2013	1.344507	0.71982
Spain	2014	1.360219	0.725666
Spain	2015	1.372704	0.730595
Spain	2016	1.381235	0.734868
Spain	2017	1.36967	0.731334
Spain	2018	1.393998	0.747474
Spain	2019	1.395263	0.752339
Sri Lanka	1990	0.565329	0.584802
Sri Lanka	1991	0.578904	0.591445
Sri Lanka	1992	0.585931	0.589963
Sri Lanka	1993	0.613223	0.609778
Sri Lanka	1994	0.622568	0.615605
Sri Lanka	1995	0.602386	0.593602
Sri Lanka	1996	0.63306	0.6159
Sri Lanka	1997	0.659262	0.633113
Sri Lanka	1998	0.676796	0.64036
Sri Lanka	1999	0.692609	0.64573
Sri Lanka	2000	0.697856	0.645993
Sri Lanka	2001	0.702683	0.642068
Sri Lanka	2002	0.734883	0.662004
Sri Lanka	2003	0.748233	0.669226
Sri Lanka	2004	0.782674	0.693991
Sri Lanka	2005	0.793452	0.698699

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Sri Lanka	2006	0.819849	0.71548
Sri Lanka	2007	0.814719	0.702651
Sri Lanka	2008	0.806527	0.685378
Sri Lanka	2009	0.883706	0.741235
Sri Lanka	2010	0.855375	0.717334
Sri Lanka	2011	0.818618	0.683409
Sri Lanka	2012	0.786608	0.649113
Sri Lanka	2013	0.801781	0.655676
Sri Lanka	2014	0.796339	0.645695
Sri Lanka	2015	0.801576	0.645614
Sri Lanka	2016	0.807734	0.645914
Sri Lanka	2017	0.816588	0.648192
Sri Lanka	2018	0.838493	0.661592
Sri Lanka	2019	0.845783	0.662182
Sudan	1990	0.915215	0.883364
Sudan	1991	0.89466	0.868908
Sudan	1992	0.88086	0.859938
Sudan	1993	0.868571	0.852353
Sudan	1994	0.862812	0.850964
Sudan	1995	0.858514	0.851763
Sudan	1996	0.854869	0.853362
Sudan	1997	0.848693	0.851978
Sudan	1998	0.841506	0.849976
Sudan	1999	0.8354	0.848705
Sudan	2000	0.832796	0.850843

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5	Sudan	2001	0.834451	0.85806
6	Sudan	2002	0.832769	0.861836
7	Sudan	2003	0.833939	0.869412
8	Sudan	2004	0.839011	0.879915
9	Sudan	2005	0.849835	0.89299
10	Sudan	2006	0.838268	0.884609
11	Sudan	2007	0.824546	0.874958
12	Sudan	2008	0.810984	0.865859
13	Sudan	2009	0.802669	0.861309
14	Sudan	2010	0.796912	0.861204
15	Sudan	2011	0.795754	0.865036
16	Sudan	2012	0.79713	0.870054
17	Sudan	2013	0.8	0.877201
18	Sudan	2014	0.808748	0.88856
19	Sudan	2015	0.816839	0.901218
20	Sudan	2016	0.822954	0.911158
21	Sudan	2017	0.829787	0.921163
22	Sudan	2018	0.833647	0.928108
23	Sudan	2019	0.836752	0.93243
24	Suriname	1990	0.787543	0.676472
25	Suriname	1991	0.773625	0.664525
26	Suriname	1992	0.762927	0.657532
27	Suriname	1993	0.735734	0.635602
28	Suriname	1994	0.730993	0.63073
29	Suriname	1995	0.749511	0.643204
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Suriname	1996	0.753184	0.648987
Suriname	1997	0.72162	0.620651
Suriname	1998	0.689955	0.59407
Suriname	1999	0.717914	0.623254
Suriname	2000	0.729871	0.626825
Suriname	2001	0.739779	0.625425
Suriname	2002	0.768182	0.652205
Suriname	2003	0.759013	0.647365
Suriname	2004	0.789716	0.673453
Suriname	2005	0.792861	0.669835
Suriname	2006	0.809596	0.685651
Suriname	2007	0.794531	0.673183
Suriname	2008	0.783635	0.659421
Suriname	2009	0.795851	0.66849
Suriname	2010	0.777593	0.653797
Suriname	2011	0.790986	0.667096
Suriname	2012	0.803316	0.677208
Suriname	2013	0.781261	0.653612
Suriname	2014	0.786669	0.651621
Suriname	2015	0.81729	0.675948
Suriname	2016	0.837001	0.69061
Suriname	2017	0.845809	0.696292
Suriname	2018	0.857382	0.703866
Suriname	2019	0.874242	0.715426
Sweden	1990	0.754326	0.463779

Sweden	1991	0.743543	0.454427
Sweden	1992	0.750763	0.455035
Sweden	1993	0.739427	0.445076
Sweden	1994	0.745978	0.44729
Sweden	1995	0.748424	0.448184
Sweden	1996	0.781246	0.465371
Sweden	1997	0.792434	0.470712
Sweden	1998	0.797746	0.471452
Sweden	1999	0.810983	0.477167
Sweden	2000	0.846597	0.497609
Sweden	2001	0.846216	0.497371
Sweden	2002	0.854622	0.502943
Sweden	2003	0.852701	0.503031
Sweden	2004	0.849916	0.501095
Sweden	2005	0.861536	0.509177
Sweden	2006	0.895253	0.529417
Sweden	2007	0.912485	0.538504
Sweden	2008	0.914439	0.542118
Sweden	2009	0.913988	0.54386
Sweden	2010	0.939152	0.560356
Sweden	2011	0.944867	0.567629
Sweden	2012	0.948257	0.574409
Sweden	2013	0.960872	0.587228
Sweden	2014	0.971413	0.598792
Sweden	2015	0.963536	0.59731



Sweden	2016	0.968405	0.604055
Sweden	2017	0.963346	0.608837
Sweden	2018	0.949485	0.613392
Sweden	2019	0.9058	0.598532
Switzerland	1990	1.062104	0.561863
Switzerland	1991	1.085297	0.574003
Switzerland	1992	1.118409	0.592365
Switzerland	1993	1.151731	0.609078
Switzerland	1994	1.192699	0.630941
Switzerland	1995	1.214237	0.642122
Switzerland	1996	1.241375	0.653118
Switzerland	1997	1.258971	0.662246
Switzerland	1998	1.265703	0.664328
Switzerland	1999	1.290294	0.675357
Switzerland	2000	1.342631	0.69972
Switzerland	2001	1.37058	0.709901
Switzerland	2002	1.38254	0.715449
Switzerland	2003	1.407761	0.727
Switzerland	2004	1.433706	0.740367
Switzerland	2005	1.469206	0.757813
Switzerland	2006	1.471483	0.759842
Switzerland	2007	1.473616	0.761116
Switzerland	2008	1.497778	0.778024
Switzerland	2009	1.497785	0.78351
Switzerland	2010	1.481958	0.781891

Switzerland	2011	1.467667	0.77742
Switzerland	2012	1.488953	0.789545
Switzerland	2013	1.487406	0.790652
Switzerland	2014	1.488658	0.792981
Switzerland	2015	1.465689	0.780309
Switzerland	2016	1.478698	0.796645
Switzerland	2017	1.447048	0.795428
Switzerland	2018	1.438361	0.801749
Switzerland	2019	1.413788	0.800998
Syrian Arab Republic	1990	0.917479	1.018136
Syrian Arab Republic	1991	0.91471	1.035383
Syrian Arab Republic	1992	0.91309	1.052004
Syrian Arab Republic	1993	0.888644	1.046973
Syrian Arab Republic	1994	0.905732	1.091777
Syrian Arab Republic	1995	0.9339	1.155488
Syrian Arab Republic	1996	0.935203	1.179075
Syrian Arab Republic	1997	0.926363	1.188127
Syrian Arab Republic	1998	0.940655	1.218168
Syrian Arab Republic	1999	0.924891	1.217608
Syrian Arab Republic	2000	0.917348	1.226316
Syrian Arab Republic	2001	0.901886	1.202629
Syrian Arab Republic	2002	0.891482	1.176015
Syrian Arab Republic	2003	0.877832	1.168175
Syrian Arab Republic	2004	0.894141	1.205428
Syrian Arab Republic	2005	0.891503	1.221358

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5	Syrian Arab Republic	2006	0.89491	1.244382
6	Syrian Arab Republic	2007	0.875609	1.230146
7	Syrian Arab Republic	2008	0.854031	1.180682
8	Syrian Arab Republic	2009	0.870141	1.206509
9	Syrian Arab Republic	2010	0.909359	1.261294
10	Syrian Arab Republic	2011	0.9272	1.277259
11	Syrian Arab Republic	2012	0.939035	1.265399
12	Syrian Arab Republic	2013	0.958657	1.276741
13	Syrian Arab Republic	2014	0.975687	1.28192
14	Syrian Arab Republic	2015	0.986622	1.266201
15	Syrian Arab Republic	2016	0.993034	1.255924
16	Syrian Arab Republic	2017	0.998276	1.248525
17	Syrian Arab Republic	2018	1.004023	1.245232
18	Syrian Arab Republic	2019	1.005204	1.238992
19	Taiwan (Province of China)	1990	0.985425	1.011569
20	Taiwan (Province of China)	1991	0.995354	1.029026
21	Taiwan (Province of China)	1992	0.985887	1.02406
22	Taiwan (Province of China)	1993	0.989273	1.033343
23	Taiwan (Province of China)	1994	0.954842	1.005088
24	Taiwan (Province of China)	1995	0.961873	1.010782
25	Taiwan (Province of China)	1996	0.968368	1.020645
26	Taiwan (Province of China)	1997	0.964296	1.015286
27	Taiwan (Province of China)	1998	0.979169	1.027264
28	Taiwan (Province of China)	1999	1.002197	1.050918
29	Taiwan (Province of China)	2000	1.009383	1.056412
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Taiwan (Province of China)	2001	1.009354	1.054034
Taiwan (Province of China)	2002	1.006938	1.043543
Taiwan (Province of China)	2003	1.017283	1.046037
Taiwan (Province of China)	2004	0.985298	1.009895
Taiwan (Province of China)	2005	0.980931	0.996768
Taiwan (Province of China)	2006	0.960976	0.966534
Taiwan (Province of China)	2007	0.981744	0.975252
Taiwan (Province of China)	2008	0.983518	0.965808
Taiwan (Province of China)	2009	0.999055	0.974124
Taiwan (Province of China)	2010	1.015987	0.975085
Taiwan (Province of China)	2011	0.98816	0.932321
Taiwan (Province of China)	2012	1.011285	0.935788
Taiwan (Province of China)	2013	1.014673	0.921141
Taiwan (Province of China)	2014	1.017774	0.913073
Taiwan (Province of China)	2015	1.017308	0.894752
Taiwan (Province of China)	2016	1.028637	0.885786
Taiwan (Province of China)	2017	1.049592	0.8845
Taiwan (Province of China)	2018	1.075771	0.889571
Taiwan (Province of China)	2019	1.085295	0.890293
Tajikistan	1990	1.073056	0.767723
Tajikistan	1991	1.087627	0.781103
Tajikistan	1992	1.074775	0.788456
Tajikistan	1993	1.104223	0.815629
Tajikistan	1994	1.111487	0.817704
Tajikistan	1995	1.082798	0.781517

Tajikistan	1996	0.997321	0.703395
Tajikistan	1997	1.021929	0.708641
Tajikistan	1998	1.09509	0.757133
Tajikistan	1999	1.097986	0.769817
Tajikistan	2000	1.075764	0.773095
Tajikistan	2001	1.058164	0.766786
Tajikistan	2002	0.994554	0.740537
Tajikistan	2003	0.967197	0.738701
Tajikistan	2004	0.958714	0.745795
Tajikistan	2005	0.927086	0.725698
Tajikistan	2006	0.886752	0.692502
Tajikistan	2007	0.862094	0.673144
Tajikistan	2008	0.850079	0.661517
Tajikistan	2009	0.847407	0.659561
Tajikistan	2010	0.845459	0.657416
Tajikistan	2011	0.850017	0.665894
Tajikistan	2012	0.844328	0.666285
Tajikistan	2013	0.828206	0.64234
Tajikistan	2014	0.821117	0.634306
Tajikistan	2015	0.821088	0.630952
Tajikistan	2016	0.82218	0.628012
Tajikistan	2017	0.840047	0.6362
Tajikistan	2018	0.858145	0.653595
Tajikistan	2019	0.86892	0.663584
Thailand	1990	0.681059	0.588169

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5	Thailand	1991	0.680018	0.593022
6	Thailand	1992	0.670693	0.590228
7	Thailand	1993	0.657486	0.586194
8	Thailand	1994	0.642782	0.582624
9	Thailand	1995	0.629929	0.578302
10	Thailand	1996	0.647371	0.596895
11	Thailand	1997	0.687893	0.630446
12	Thailand	1998	0.706685	0.61792
13	Thailand	1999	0.762966	0.658819
14	Thailand	2000	0.841298	0.719716
15	Thailand	2001	0.932113	0.799463
16	Thailand	2002	1.033857	0.882983
17	Thailand	2003	1.098239	0.934802
18	Thailand	2004	1.172291	0.993394
19	Thailand	2005	1.228727	1.038246
20	Thailand	2006	1.247513	1.050587
21	Thailand	2007	1.266169	1.065646
22	Thailand	2008	1.276799	1.071992
23	Thailand	2009	1.271683	1.063155
24	Thailand	2010	1.270152	1.059761
25	Thailand	2011	1.247955	1.040133
26	Thailand	2012	1.227875	1.01986
27	Thailand	2013	1.211694	1.00092
28	Thailand	2014	1.194524	0.980393
29	Thailand	2015	1.165776	0.949129
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5	Thailand	2016	1.156813	0.934726
6	Thailand	2017	1.164108	0.932472
7	Thailand	2018	1.183666	0.940038
8	Thailand	2019	1.203826	0.949717
9	Timor-Leste	1990	1.196681	1.155464
10	Timor-Leste	1991	1.183547	1.14905
11	Timor-Leste	1992	1.181926	1.153336
12	Timor-Leste	1993	1.18303	1.159541
13	Timor-Leste	1994	1.182152	1.16208
14	Timor-Leste	1995	1.180636	1.156541
15	Timor-Leste	1996	1.170038	1.148286
16	Timor-Leste	1997	1.164627	1.146855
17	Timor-Leste	1998	1.154785	1.144469
18	Timor-Leste	1999	1.124982	1.120679
19	Timor-Leste	2000	1.09484	1.088144
20	Timor-Leste	2001	1.068454	1.065474
21	Timor-Leste	2002	1.044813	1.045044
22	Timor-Leste	2003	1.021296	1.023366
23	Timor-Leste	2004	1.004261	1.007189
24	Timor-Leste	2005	0.995047	0.99295
25	Timor-Leste	2006	0.983217	0.979306
26	Timor-Leste	2007	0.97809	0.972303
27	Timor-Leste	2008	0.972901	0.96515
28	Timor-Leste	2009	0.958798	0.950179
29	Timor-Leste	2010	0.946263	0.931787
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Timor-Leste	2011	0.944849	0.929167
Timor-Leste	2012	0.937733	0.922057
Timor-Leste	2013	0.933499	0.917589
Timor-Leste	2014	0.93137	0.915053
Timor-Leste	2015	0.931167	0.907643
Timor-Leste	2016	0.928885	0.902893
Timor-Leste	2017	0.923472	0.896569
Timor-Leste	2018	0.919177	0.891868
Timor-Leste	2019	0.914942	0.887747
Togo	1990	0.962346	0.830838
Togo	1991	0.950342	0.818605
Togo	1992	0.930765	0.801384
Togo	1993	0.906439	0.7784
Togo	1994	0.88443	0.755182
Togo	1995	0.860386	0.73047
Togo	1996	0.836479	0.708339
Togo	1997	0.828206	0.695167
Togo	1998	0.809561	0.674108
Togo	1999	0.790023	0.656131
Togo	2000	0.780961	0.645704
Togo	2001	0.770827	0.6343
Togo	2002	0.774135	0.631214
Togo	2003	0.770561	0.623609
Togo	2004	0.764903	0.614684
Togo	2005	0.761828	0.607812



Togo	2006	0.761196	0.602424
Togo	2007	0.771884	0.603577
Togo	2008	0.773679	0.597014
Togo	2009	0.777731	0.597059
Togo	2010	0.780742	0.597078
Togo	2011	0.791777	0.600911
Togo	2012	0.807868	0.605235
Togo	2013	0.817276	0.606995
Togo	2014	0.824303	0.612965
Togo	2015	0.831794	0.618577
Togo	2016	0.842748	0.627372
Togo	2017	0.857032	0.634987
Togo	2018	0.871302	0.642024
Togo	2019	0.880134	0.6488
Tokelau	1990	1.654136	1.365381
Tokelau	1991	1.642666	1.35864
Tokelau	1992	1.620669	1.35639
Tokelau	1993	1.593963	1.351673
Tokelau	1994	1.576672	1.351523
Tokelau	1995	1.567959	1.352706
Tokelau	1996	1.573466	1.356843
Tokelau	1997	1.591125	1.360109
Tokelau	1998	1.621783	1.361206
Tokelau	1999	1.651438	1.353628
Tokelau	2000	1.677927	1.343664

Tokelau	2001	1.68679	1.32952
Tokelau	2002	1.678846	1.323954
Tokelau	2003	1.646445	1.313106
Tokelau	2004	1.619364	1.314728
Tokelau	2005	1.551954	1.285902
Tokelau	2006	1.493012	1.260807
Tokelau	2007	1.434987	1.228593
Tokelau	2008	1.397422	1.202485
Tokelau	2009	1.37992	1.185755
Tokelau	2010	1.373876	1.178019
Tokelau	2011	1.361942	1.171336
Tokelau	2012	1.345399	1.168842
Tokelau	2013	1.328842	1.169288
Tokelau	2014	1.305957	1.165686
Tokelau	2015	1.28582	1.16589
Tokelau	2016	1.265894	1.168574
Tokelau	2017	1.255581	1.18055
Tokelau	2018	1.248531	1.189306
Tokelau	2019	1.245695	1.197551
Tonga	1990	1.137947	0.954422
Tonga	1991	1.150946	0.963223
Tonga	1992	1.153805	0.956807
Tonga	1993	1.175571	0.972467
Tonga	1994	1.198633	0.991896
Tonga	1995	1.222674	1.012158

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Tonga	1996	1.214661	1.004611
Tonga	1997	1.215995	1.005481
Tonga	1998	1.184864	0.982384
Tonga	1999	1.116171	0.924504
Tonga	2000	1.092365	0.89794
Tonga	2001	1.072194	0.876573
Tonga	2002	1.025257	0.834568
Tonga	2003	0.987728	0.798999
Tonga	2004	0.996284	0.801134
Tonga	2005	1.010378	0.812375
Tonga	2006	0.959076	0.770036
Tonga	2007	0.91288	0.731886
Tonga	2008	0.87431	0.699518
Tonga	2009	0.844102	0.673292
Tonga	2010	0.824036	0.655058
Tonga	2011	0.811065	0.642886
Tonga	2012	0.803065	0.634647
Tonga	2013	0.79368	0.625524
Tonga	2014	0.789094	0.620129
Tonga	2015	0.790241	0.619271
Tonga	2016	0.79346	0.620084
Tonga	2017	0.803721	0.626275
Tonga	2018	0.811761	0.630899
Tonga	2019	0.819439	0.635363
Trinidad and Tobago	1990	0.600964	0.489801

Trinidad and Tobago	1991	0.627662	0.515626
Trinidad and Tobago	1992	0.606567	0.504513
Trinidad and Tobago	1993	0.64273	0.535968
Trinidad and Tobago	1994	0.643704	0.538284
Trinidad and Tobago	1995	0.699835	0.588405
Trinidad and Tobago	1996	0.630826	0.534858
Trinidad and Tobago	1997	0.670581	0.56774
Trinidad and Tobago	1998	0.668419	0.570753
Trinidad and Tobago	1999	0.693004	0.596655
Trinidad and Tobago	2000	0.721773	0.621557
Trinidad and Tobago	2001	0.707633	0.612719
Trinidad and Tobago	2002	0.708067	0.617553
Trinidad and Tobago	2003	0.702159	0.617369
Trinidad and Tobago	2004	0.719421	0.631428
Trinidad and Tobago	2005	0.697426	0.612803
Trinidad and Tobago	2006	0.752942	0.660694
Trinidad and Tobago	2007	0.769876	0.675302
Trinidad and Tobago	2008	0.726015	0.637953
Trinidad and Tobago	2009	0.751312	0.6574
Trinidad and Tobago	2010	0.747563	0.654669
Trinidad and Tobago	2011	0.748961	0.657407
Trinidad and Tobago	2012	0.758825	0.666719
Trinidad and Tobago	2013	0.75465	0.661016
Trinidad and Tobago	2014	0.74257	0.650544
Trinidad and Tobago	2015	0.728443	0.637884

Trinidad and Tobago	2016	0.714285	0.622822
Trinidad and Tobago	2017	0.708588	0.617215
Trinidad and Tobago	2018	0.705777	0.614191
Trinidad and Tobago	2019	0.700642	0.609275
Tunisia	1990	0.922362	0.92216
Tunisia	1991	0.91466	0.908992
Tunisia	1992	0.909486	0.907232
Tunisia	1993	0.893286	0.890379
Tunisia	1994	0.889422	0.885243
Tunisia	1995	0.915137	0.907174
Tunisia	1996	0.915833	0.904284
Tunisia	1997	0.911858	0.905111
Tunisia	1998	0.906945	0.898084
Tunisia	1999	0.902886	0.889968
Tunisia	2000	0.895207	0.874845
Tunisia	2001	0.896714	0.870498
Tunisia	2002	0.901627	0.869276
Tunisia	2003	0.896903	0.853638
Tunisia	2004	0.907776	0.856652
Tunisia	2005	0.920709	0.861737
Tunisia	2006	0.929556	0.86298
Tunisia	2007	0.942838	0.870231
Tunisia	2008	0.955568	0.877671
Tunisia	2009	0.960409	0.877045
Tunisia	2010	0.968509	0.879379

Tunisia	2011	0.982912	0.888732
Tunisia	2012	0.990537	0.890952
Tunisia	2013	1.002731	0.897425
Tunisia	2014	1.014181	0.903306
Tunisia	2015	1.026315	0.91006
Tunisia	2016	1.03649	0.914533
Tunisia	2017	1.04578	0.918231
Tunisia	2018	1.05692	0.925188
Tunisia	2019	1.070279	0.935564
Turkey	1990	0.882338	0.747628
Turkey	1991	0.923351	0.791123
Turkey	1992	0.923977	0.795548
Turkey	1993	0.926172	0.800107
Turkey	1994	0.950114	0.827933
Turkey	1995	0.9474	0.825339
Turkey	1996	0.922129	0.799142
Turkey	1997	0.877222	0.74673
Turkey	1998	0.865027	0.727694
Turkey	1999	0.904444	0.768061
Turkey	2000	0.915587	0.780539
Turkey	2001	0.842519	0.690307
Turkey	2002	0.776753	0.607787
Turkey	2003	0.77808	0.597431
Turkey	2004	0.785448	0.592462
Turkey	2005	0.826471	0.620965

Turkey	2006	0.899691	0.676278
Turkey	2007	0.989343	0.75242
Turkey	2008	1.072288	0.831128
Turkey	2009	1.07198	0.851161
Turkey	2010	1.058503	0.849826
Turkey	2011	1.045949	0.845235
Turkey	2012	1.043623	0.847286
Turkey	2013	1.048438	0.855723
Turkey	2014	1.041235	0.848401
Turkey	2015	1.054692	0.857405
Turkey	2016	1.081499	0.880422
Turkey	2017	1.101105	0.900345
Turkey	2018	1.116604	0.915779
Turkey	2019	1.122	0.920632
Turkmenistan	1990	1.024385	0.767814
Turkmenistan	1991	1.045253	0.777121
Turkmenistan	1992	1.073674	0.808289
Turkmenistan	1993	1.021469	0.770932
Turkmenistan	1994	0.985844	0.746882
Turkmenistan	1995	0.97205	0.741217
Turkmenistan	1996	0.92706	0.713066
Turkmenistan	1997	0.900121	0.699398
Turkmenistan	1998	0.849848	0.6639
Turkmenistan	1999	0.840053	0.656002
Turkmenistan	2000	0.836794	0.655332

Turkmenistan	2001	0.85116	0.669704
Turkmenistan	2002	0.841139	0.66648
Turkmenistan	2003	0.803498	0.640381
Turkmenistan	2004	0.779975	0.625078
Turkmenistan	2005	0.77615	0.626214
Turkmenistan	2006	0.78764	0.638138
Turkmenistan	2007	0.762627	0.622647
Turkmenistan	2008	0.768426	0.627439
Turkmenistan	2009	0.78346	0.63939
Turkmenistan	2010	0.784212	0.642602
Turkmenistan	2011	0.800166	0.659001
Turkmenistan	2012	0.804281	0.665747
Turkmenistan	2013	0.75502	0.629872
Turkmenistan	2014	0.730527	0.612734
Turkmenistan	2015	0.700143	0.590465
Turkmenistan	2016	0.706254	0.596266
Turkmenistan	2017	0.704075	0.595532
Turkmenistan	2018	0.696381	0.58806
Turkmenistan	2019	0.694862	0.587712
Tuvalu	1990	1.28414	0.882899
Tuvalu	1991	1.271231	0.881089
Tuvalu	1992	1.266315	0.883443
Tuvalu	1993	1.277371	0.895488
Tuvalu	1994	1.270392	0.895911
Tuvalu	1995	1.282723	0.910113



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Tuvalu	1996	1.28478	0.918413
Tuvalu	1997	1.283959	0.924284
Tuvalu	1998	1.26629	0.918439
Tuvalu	1999	1.265058	0.923673
Tuvalu	2000	1.27034	0.933788
Tuvalu	2001	1.248973	0.927207
Tuvalu	2002	1.230434	0.923587
Tuvalu	2003	1.209399	0.917821
Tuvalu	2004	1.19759	0.918897
Tuvalu	2005	1.160623	0.900505
Tuvalu	2006	1.128669	0.885957
Tuvalu	2007	1.088976	0.86284
Tuvalu	2008	1.055329	0.843309
Tuvalu	2009	1.029277	0.829027
Tuvalu	2010	1.0103	0.819353
Tuvalu	2011	0.990434	0.809332
Tuvalu	2012	0.972895	0.800738
Tuvalu	2013	0.958254	0.793897
Tuvalu	2014	0.943162	0.785966
Tuvalu	2015	0.932401	0.780965
Tuvalu	2016	0.922036	0.777291
Tuvalu	2017	0.917452	0.777446
Tuvalu	2018	0.911409	0.776202
Tuvalu	2019	0.904083	0.774402
Uganda	1990	0.548236	0.504404

Uganda	1991	0.54013	0.490464
Uganda	1992	0.536199	0.480626
Uganda	1993	0.535278	0.47393
Uganda	1994	0.53796	0.471558
Uganda	1995	0.539955	0.468542
Uganda	1996	0.54526	0.469057
Uganda	1997	0.557288	0.474044
Uganda	1998	0.574814	0.482678
Uganda	1999	0.592851	0.492126
Uganda	2000	0.61163	0.502468
Uganda	2001	0.625378	0.50938
Uganda	2002	0.635621	0.514315
Uganda	2003	0.640481	0.516736
Uganda	2004	0.646589	0.518975
Uganda	2005	0.650511	0.520499
Uganda	2006	0.647978	0.517671
Uganda	2007	0.639278	0.511191
Uganda	2008	0.630149	0.504185
Uganda	2009	0.628857	0.503771
Uganda	2010	0.634139	0.506062
Uganda	2011	0.637465	0.508293
Uganda	2012	0.645277	0.514361
Uganda	2013	0.659301	0.522239
Uganda	2014	0.668866	0.527592
Uganda	2015	0.675581	0.531943

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Uganda	2016	0.680967	0.534655
Uganda	2017	0.68842	0.542143
Uganda	2018	0.697821	0.550123
Uganda	2019	0.70498	0.556486
Ukraine	1990	1.26884	0.535379
Ukraine	1991	1.265186	0.53084
Ukraine	1992	1.259455	0.527745
Ukraine	1993	1.283322	0.535352
Ukraine	1994	1.266652	0.530396
Ukraine	1995	1.223648	0.518507
Ukraine	1996	1.228618	0.517985
Ukraine	1997	1.257429	0.526083
Ukraine	1998	1.284121	0.532463
Ukraine	1999	1.261957	0.528379
Ukraine	2000	1.222739	0.518315
Ukraine	2001	1.218068	0.524698
Ukraine	2002	1.187573	0.52938
Ukraine	2003	1.17885	0.542352
Ukraine	2004	1.125673	0.539554
Ukraine	2005	1.059571	0.529521
Ukraine	2006	1.058946	0.534629
Ukraine	2007	1.027918	0.531838
Ukraine	2008	1.014702	0.529647
Ukraine	2009	1.082432	0.551625
Ukraine	2010	1.100984	0.556521

Ukraine	2011	1.11073	0.562062
Ukraine	2012	1.116488	0.569273
Ukraine	2013	1.124589	0.579758
Ukraine	2014	1.152312	0.594726
Ukraine	2015	1.004352	0.550619
Ukraine	2016	1.038161	0.568166
Ukraine	2017	1.040673	0.563753
Ukraine	2018	1.031214	0.550653
Ukraine	2019	1.034153	0.548031
United Arab Emirates	1990	0.508775	1.055819
United Arab Emirates	1991	0.503032	1.069792
United Arab Emirates	1992	0.488118	1.067824
United Arab Emirates	1993	0.474784	1.069098
United Arab Emirates	1994	0.469924	1.103837
United Arab Emirates	1995	0.458375	1.106888
United Arab Emirates	1996	0.453324	1.114917
United Arab Emirates	1997	0.449076	1.143774
United Arab Emirates	1998	0.443761	1.145591
United Arab Emirates	1999	0.438082	1.140382
United Arab Emirates	2000	0.423761	1.063493
United Arab Emirates	2001	0.423709	1.065669
United Arab Emirates	2002	0.421871	1.066846
United Arab Emirates	2003	0.469095	1.226409
United Arab Emirates	2004	0.51104	1.461019
United Arab Emirates	2005	0.502397	1.530846

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5	United Arab Emirates	2006	0.484336	1.642268
6	United Arab Emirates	2007	0.455707	1.872718
7	United Arab Emirates	2008	0.414353	1.915966
8	United Arab Emirates	2009	0.386944	1.959882
9	United Arab Emirates	2010	0.377203	1.975313
10	United Arab Emirates	2011	0.372044	2.007443
11	United Arab Emirates	2012	0.369703	2.035482
12	United Arab Emirates	2013	0.353789	1.824708
13	United Arab Emirates	2014	0.302003	1.068639
14	United Arab Emirates	2015	0.308823	1.083892
15	United Arab Emirates	2016	0.313736	1.095106
16	United Arab Emirates	2017	0.317355	1.102036
17	United Arab Emirates	2018	0.322685	1.113433
18	United Arab Emirates	2019	0.328024	1.123091
19	United Arab Emirates	2019	0.328024	1.123091
20	United Arab Emirates	2019	0.328024	1.123091
21	United Arab Emirates	2019	0.328024	1.123091
22	United Arab Emirates	2019	0.328024	1.123091
23	United Arab Emirates	2019	0.328024	1.123091
24	United Kingdom	1990	1.193318	0.623683
25	United Kingdom	1991	1.185042	0.617732
26	United Kingdom	1992	1.191903	0.620316
27	United Kingdom	1993	1.18015	0.616627
28	United Kingdom	1994	1.184645	0.623098
29	United Kingdom	1995	1.165368	0.618961
30	United Kingdom	1996	1.162815	0.622685
31	United Kingdom	1997	1.162376	0.626324
32	United Kingdom	1998	1.151615	0.626223
33	United Kingdom	1999	1.132918	0.618551
34	United Kingdom	2000	1.133772	0.621896
35	United Kingdom	2000	1.133772	0.621896
36	United Kingdom	2000	1.133772	0.621896
37	United Kingdom	2000	1.133772	0.621896
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5	United Kingdom	2001	1.125533	0.620902
6	United Kingdom	2002	1.116016	0.619005
7	United Kingdom	2003	1.130571	0.631655
8	United Kingdom	2004	1.141036	0.64618
9	United Kingdom	2005	1.149652	0.659761
10	United Kingdom	2006	1.140951	0.661428
11	United Kingdom	2007	1.151446	0.673374
12	United Kingdom	2008	1.158662	0.683882
13	United Kingdom	2009	1.170397	0.694055
14	United Kingdom	2010	1.196585	0.709307
15	United Kingdom	2011	1.225876	0.723568
16	United Kingdom	2012	1.252109	0.736999
17	United Kingdom	2013	1.261349	0.746707
18	United Kingdom	2014	1.272174	0.763126
19	United Kingdom	2015	1.2565	0.769459
20	United Kingdom	2016	1.240504	0.775236
21	United Kingdom	2017	1.21352	0.77185
22	United Kingdom	2018	1.186146	0.766796
23	United Kingdom	2019	1.164712	0.764333
24	United Republic of Tanzania	1990	0.781522	0.703391
25	United Republic of Tanzania	1991	0.770668	0.692076
26	United Republic of Tanzania	1992	0.762312	0.682524
27	United Republic of Tanzania	1993	0.757432	0.675606
28	United Republic of Tanzania	1994	0.754777	0.669585
29	United Republic of Tanzania	1995	0.754556	0.665336
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United Republic of Tanzania	1996	0.753179	0.660656
United Republic of Tanzania	1997	0.755772	0.65939
United Republic of Tanzania	1998	0.762045	0.661406
United Republic of Tanzania	1999	0.758868	0.656168
United Republic of Tanzania	2000	0.75477	0.650069
United Republic of Tanzania	2001	0.761333	0.652433
United Republic of Tanzania	2002	0.775263	0.660039
United Republic of Tanzania	2003	0.799231	0.675537
United Republic of Tanzania	2004	0.817084	0.687831
United Republic of Tanzania	2005	0.833331	0.699574
United Republic of Tanzania	2006	0.849816	0.70961
United Republic of Tanzania	2007	0.863137	0.718822
United Republic of Tanzania	2008	0.871853	0.726302
United Republic of Tanzania	2009	0.88892	0.738823
United Republic of Tanzania	2010	0.911233	0.758888
United Republic of Tanzania	2011	0.934464	0.780506
United Republic of Tanzania	2012	0.944435	0.790545
United Republic of Tanzania	2013	0.95813	0.803793
United Republic of Tanzania	2014	0.961943	0.812238
United Republic of Tanzania	2015	0.967976	0.817986
United Republic of Tanzania	2016	0.970737	0.825863
United Republic of Tanzania	2017	0.976471	0.836559
United Republic of Tanzania	2018	0.97822	0.842363
United Republic of Tanzania	2019	0.979223	0.848354
United States of America	1990	1.121959	0.673713

United States of America	1991	1.121152	0.673792
United States of America	1992	1.118823	0.672728
United States of America	1993	1.117914	0.672485
United States of America	1994	1.127135	0.678043
United States of America	1995	1.130951	0.681682
United States of America	1996	1.147801	0.692919
United States of America	1997	1.160897	0.703666
United States of America	1998	1.167934	0.711278
United States of America	1999	1.175995	0.721325
United States of America	2000	1.185469	0.731829
United States of America	2001	1.184596	0.736947
United States of America	2002	1.166022	0.730166
United States of America	2003	1.156228	0.729609
United States of America	2004	1.162079	0.737919
United States of America	2005	1.161446	0.741989
United States of America	2006	1.170441	0.752624
United States of America	2007	1.176848	0.761583
United States of America	2008	1.157902	0.754912
United States of America	2009	1.137414	0.747998
United States of America	2010	1.112516	0.737069
United States of America	2011	1.100105	0.735527
United States of America	2012	1.079197	0.728297
United States of America	2013	1.052712	0.717797
United States of America	2014	1.045775	0.71982
United States of America	2015	1.036761	0.720233



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United States of America	2016	1.018288	0.714376
United States of America	2017	0.997852	0.705882
United States of America	2018	0.970738	0.689814
United States of America	2019	0.99178	0.704414
United States Virgin Islands	1990	0.873088	0.721712
United States Virgin Islands	1991	0.874237	0.725185
United States Virgin Islands	1992	0.870862	0.721844
United States Virgin Islands	1993	0.870139	0.720392
United States Virgin Islands	1994	0.875963	0.723101
United States Virgin Islands	1995	0.910227	0.749649
United States Virgin Islands	1996	0.91449	0.749982
United States Virgin Islands	1997	0.925431	0.756183
United States Virgin Islands	1998	0.934782	0.760012
United States Virgin Islands	1999	0.930633	0.751762
United States Virgin Islands	2000	0.956607	0.762725
United States Virgin Islands	2001	0.955895	0.760227
United States Virgin Islands	2002	0.959703	0.761204
United States Virgin Islands	2003	0.960362	0.761988
United States Virgin Islands	2004	0.96685	0.766782
United States Virgin Islands	2005	0.964826	0.766372
United States Virgin Islands	2006	0.926507	0.744328
United States Virgin Islands	2007	0.733662	0.621569
United States Virgin Islands	2008	0.734813	0.619853
United States Virgin Islands	2009	0.740848	0.622809
United States Virgin Islands	2010	0.746643	0.624255

United States Virgin Islands	2011	0.748312	0.62212
United States Virgin Islands	2012	0.74953	0.619269
United States Virgin Islands	2013	0.748915	0.614179
United States Virgin Islands	2014	0.746855	0.60744
United States Virgin Islands	2015	0.742282	0.598189
United States Virgin Islands	2016	0.742383	0.591309
United States Virgin Islands	2017	0.750479	0.590251
United States Virgin Islands	2018	0.761021	0.590597
United States Virgin Islands	2019	0.771097	0.590125
Uruguay	1990	0.787892	0.531212
Uruguay	1991	0.815435	0.545513
Uruguay	1992	0.792603	0.529812
Uruguay	1993	0.792372	0.527085
Uruguay	1994	0.782112	0.517604
Uruguay	1995	0.776781	0.509406
Uruguay	1996	0.77837	0.508201
Uruguay	1997	0.800527	0.519526
Uruguay	1998	0.786886	0.508517
Uruguay	1999	0.810708	0.520204
Uruguay	2000	0.821543	0.525213
Uruguay	2001	0.846287	0.538567
Uruguay	2002	0.836056	0.528477
Uruguay	2003	0.864479	0.540434
Uruguay	2004	0.894154	0.553194
Uruguay	2005	0.908873	0.560506

Uruguay	2006	0.913924	0.560684
Uruguay	2007	0.904512	0.551885
Uruguay	2008	0.924715	0.562482
Uruguay	2009	0.912966	0.55148
Uruguay	2010	0.93959	0.561935
Uruguay	2011	0.962523	0.566127
Uruguay	2012	0.976484	0.571097
Uruguay	2013	0.988945	0.57691
Uruguay	2014	0.996598	0.579124
Uruguay	2015	1.013463	0.586803
Uruguay	2016	1.039523	0.59868
Uruguay	2017	1.031497	0.593876
Uruguay	2018	1.024607	0.589103
Uruguay	2019	1.020814	0.586969
Uzbekistan	1990	1.053712	0.850642
Uzbekistan	1991	1.058001	0.854141
Uzbekistan	1992	1.078785	0.8679
Uzbekistan	1993	1.066371	0.853702
Uzbekistan	1994	1.030576	0.826133
Uzbekistan	1995	0.981071	0.793016
Uzbekistan	1996	0.943412	0.769216
Uzbekistan	1997	0.952693	0.779594
Uzbekistan	1998	0.966792	0.790835
Uzbekistan	1999	0.943803	0.773295
Uzbekistan	2000	0.917629	0.749618

Uzbekistan	2001	0.899862	0.73214
Uzbekistan	2002	0.894435	0.723247
Uzbekistan	2003	0.892522	0.716783
Uzbekistan	2004	0.89648	0.716733
Uzbekistan	2005	0.897849	0.728357
Uzbekistan	2006	0.887354	0.723319
Uzbekistan	2007	0.879009	0.725456
Uzbekistan	2008	0.868701	0.718806
Uzbekistan	2009	0.865821	0.718362
Uzbekistan	2010	0.876619	0.731268
Uzbekistan	2011	0.865302	0.727632
Uzbekistan	2012	0.862568	0.731741
Uzbekistan	2013	0.856119	0.730918
Uzbekistan	2014	0.845965	0.724626
Uzbekistan	2015	0.845181	0.726931
Uzbekistan	2016	0.839304	0.728291
Uzbekistan	2017	0.838265	0.723642
Uzbekistan	2018	0.835082	0.719203
Uzbekistan	2019	0.831718	0.71384
Vanuatu	1990	0.924689	1.062804
Vanuatu	1991	0.959062	1.090159
Vanuatu	1992	0.992102	1.11732
Vanuatu	1993	1.015954	1.136811
Vanuatu	1994	1.050027	1.165347
Vanuatu	1995	1.057606	1.170658

Vanuatu	1996	1.075089	1.181653
Vanuatu	1997	1.081546	1.182417
Vanuatu	1998	1.087602	1.181903
Vanuatu	1999	1.083482	1.169205
Vanuatu	2000	1.055304	1.134576
Vanuatu	2001	1.03525	1.103403
Vanuatu	2002	0.979033	1.042508
Vanuatu	2003	0.939	0.996405
Vanuatu	2004	0.932133	0.979734
Vanuatu	2005	0.931551	0.967699
Vanuatu	2006	0.933997	0.962733
Vanuatu	2007	0.937084	0.957964
Vanuatu	2008	0.939521	0.955358
Vanuatu	2009	0.939143	0.952518
Vanuatu	2010	0.938401	0.95149
Vanuatu	2011	0.947135	0.960747
Vanuatu	2012	0.945052	0.960552
Vanuatu	2013	0.941907	0.960476
Vanuatu	2014	0.930911	0.952544
Vanuatu	2015	0.923052	0.947129
Vanuatu	2016	0.912979	0.93965
Vanuatu	2017	0.911947	0.940753
Vanuatu	2018	0.909456	0.940258
Vanuatu	2019	0.90635	0.939138
Venezuela (Bolivarian Republic of)	1990	0.816605	0.702689

Venezuela (Bolivarian Republic of)	1991	0.804698	0.693203
Venezuela (Bolivarian Republic of)	1992	0.798843	0.686705
Venezuela (Bolivarian Republic of)	1993	0.757611	0.641868
Venezuela (Bolivarian Republic of)	1994	0.773954	0.64284
Venezuela (Bolivarian Republic of)	1995	0.78569	0.650344
Venezuela (Bolivarian Republic of)	1996	0.827465	0.689124
Venezuela (Bolivarian Republic of)	1997	0.859391	0.715852
Venezuela (Bolivarian Republic of)	1998	0.810625	0.676084
Venezuela (Bolivarian Republic of)	1999	0.831487	0.694345
Venezuela (Bolivarian Republic of)	2000	0.803139	0.671118
Venezuela (Bolivarian Republic of)	2001	0.799291	0.667806
Venezuela (Bolivarian Republic of)	2002	0.827619	0.684559
Venezuela (Bolivarian Republic of)	2003	0.765497	0.632291
Venezuela (Bolivarian Republic of)	2004	0.775109	0.637159
Venezuela (Bolivarian Republic of)	2005	0.759502	0.621158
Venezuela (Bolivarian Republic of)	2006	0.708105	0.576335
Venezuela (Bolivarian Republic of)	2007	0.670884	0.544186
Venezuela (Bolivarian Republic of)	2008	0.667097	0.540119
Venezuela (Bolivarian Republic of)	2009	0.678994	0.548394
Venezuela (Bolivarian Republic of)	2010	0.768656	0.622094
Venezuela (Bolivarian Republic of)	2011	0.78214	0.635776
Venezuela (Bolivarian Republic of)	2012	0.752834	0.615282
Venezuela (Bolivarian Republic of)	2013	0.769992	0.630856
Venezuela (Bolivarian Republic of)	2014	0.884428	0.726306
Venezuela (Bolivarian Republic of)	2015	0.880047	0.72823

Venezuela (Bolivarian Republic of)	2016	0.860449	0.71614
Venezuela (Bolivarian Republic of)	2017	0.828765	0.692569
Venezuela (Bolivarian Republic of)	2018	0.805853	0.675996
Venezuela (Bolivarian Republic of)	2019	0.785368	0.659536
Viet Nam	1990	1.930348	1.258255
Viet Nam	1991	1.895754	1.240529
Viet Nam	1992	1.868496	1.226206
Viet Nam	1993	1.841509	1.210638
Viet Nam	1994	1.813586	1.193323
Viet Nam	1995	1.782829	1.172882
Viet Nam	1996	1.743699	1.147006
Viet Nam	1997	1.709193	1.122924
Viet Nam	1998	1.672772	1.096766
Viet Nam	1999	1.63651	1.070041
Viet Nam	2000	1.579058	1.030261
Viet Nam	2001	1.521513	0.993379
Viet Nam	2002	1.47358	0.962
Viet Nam	2003	1.431813	0.932566
Viet Nam	2004	1.392316	0.903543
Viet Nam	2005	1.353006	0.874162
Viet Nam	2006	1.337065	0.859607
Viet Nam	2007	1.324604	0.850056
Viet Nam	2008	1.323289	0.849737
Viet Nam	2009	1.321261	0.852674
Viet Nam	2010	1.328771	0.860246

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5	Viet Nam	2011	1.341013	0.87573
6	Viet Nam	2012	1.354551	0.89126
7	Viet Nam	2013	1.369053	0.906847
8	Viet Nam	2014	1.387531	0.923227
9	Viet Nam	2015	1.409908	0.938181
10	Viet Nam	2016	1.431575	0.953848
11	Viet Nam	2017	1.459148	0.972659
12	Viet Nam	2018	1.486234	0.990891
13	Viet Nam	2019	1.508687	1.006537
14	Yemen	1990	0.981841	0.746822
15	Yemen	1991	0.968788	0.745728
16	Yemen	1992	0.950842	0.740663
17	Yemen	1993	0.932491	0.735044
18	Yemen	1994	0.913991	0.729153
19	Yemen	1995	0.904266	0.730324
20	Yemen	1996	0.896218	0.731679
21	Yemen	1997	0.882889	0.728787
22	Yemen	1998	0.870341	0.726354
23	Yemen	1999	0.857908	0.723453
24	Yemen	2000	0.847074	0.721681
25	Yemen	2001	0.837908	0.720832
26	Yemen	2002	0.832844	0.720939
27	Yemen	2003	0.82958	0.723923
28	Yemen	2004	0.828547	0.727283
29	Yemen	2005	0.830121	0.733911
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Yemen	2006	0.829255	0.735995
Yemen	2007	0.83175	0.740204
Yemen	2008	0.832213	0.742458
Yemen	2009	0.832872	0.745576
Yemen	2010	0.835204	0.752401
Yemen	2011	0.845055	0.763452
Yemen	2012	0.853337	0.773794
Yemen	2013	0.862728	0.784063
Yemen	2014	0.869438	0.792211
Yemen	2015	0.873679	0.798236
Yemen	2016	0.879447	0.80375
Yemen	2017	0.885689	0.808814
Yemen	2018	0.891526	0.812253
Yemen	2019	0.897097	0.814499
Zambia	1990	0.874025	0.844793
Zambia	1991	0.860211	0.835418
Zambia	1992	0.844285	0.825868
Zambia	1993	0.821036	0.808517
Zambia	1994	0.809962	0.801534
Zambia	1995	0.79626	0.791593
Zambia	1996	0.782948	0.782316
Zambia	1997	0.766796	0.76913
Zambia	1998	0.750685	0.754682
Zambia	1999	0.732818	0.737519
Zambia	2000	0.707935	0.712561

Zambia	2001	0.693031	0.695964
Zambia	2002	0.677749	0.678508
Zambia	2003	0.667889	0.664051
Zambia	2004	0.659869	0.648766
Zambia	2005	0.655895	0.638442
Zambia	2006	0.660793	0.637345
Zambia	2007	0.659858	0.631617
Zambia	2008	0.660439	0.627202
Zambia	2009	0.667305	0.629889
Zambia	2010	0.679315	0.637493
Zambia	2011	0.69254	0.647015
Zambia	2012	0.707016	0.658908
Zambia	2013	0.720994	0.669655
Zambia	2014	0.729531	0.67707
Zambia	2015	0.735597	0.683088
Zambia	2016	0.741109	0.689189
Zambia	2017	0.749312	0.697265
Zambia	2018	0.752969	0.70141
Zambia	2019	0.759635	0.707038
Zimbabwe	1990	0.661655	0.555791
Zimbabwe	1991	0.640232	0.541326
Zimbabwe	1992	0.610999	0.522021
Zimbabwe	1993	0.567077	0.49111
Zimbabwe	1994	0.515934	0.449828
Zimbabwe	1995	0.461896	0.404784

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Zimbabwe	1996	0.418462	0.364105
Zimbabwe	1997	0.392742	0.335841
Zimbabwe	1998	0.414159	0.346022
Zimbabwe	1999	0.449094	0.366171
Zimbabwe	2000	0.487121	0.389527
Zimbabwe	2001	0.512585	0.40252
Zimbabwe	2002	0.54821	0.423934
Zimbabwe	2003	0.584949	0.445465
Zimbabwe	2004	0.618119	0.464381
Zimbabwe	2005	0.616168	0.459484
Zimbabwe	2006	0.640547	0.473186
Zimbabwe	2007	0.658688	0.483898
Zimbabwe	2008	0.694945	0.507221
Zimbabwe	2009	0.7293	0.52948
Zimbabwe	2010	0.733864	0.532571
Zimbabwe	2011	0.724001	0.525821
Zimbabwe	2012	0.727939	0.527944
Zimbabwe	2013	0.739323	0.534652
Zimbabwe	2014	0.759521	0.547145
Zimbabwe	2015	0.758458	0.546135
Zimbabwe	2016	0.756162	0.544612
Zimbabwe	2017	0.757829	0.544924
Zimbabwe	2018	0.757228	0.54387
Zimbabwe	2019	0.757349	0.543382

## STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Page No
<b>Title and abstract</b>	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
<b>Introduction</b>			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
<b>Methods</b>			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4
Participants	6	(a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up <i>Case-control study</i> —Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls <i>Cross-sectional study</i> —Give the eligibility criteria, and the sources and methods of selection of participants	4
		(b) <i>Cohort study</i> —For matched studies, give matching criteria and number of exposed and unexposed <i>Case-control study</i> —For matched studies, give matching criteria and the number of controls per case	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	NA
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	4
Bias	9	Describe any efforts to address potential sources of bias	NA
Study size	10	Explain how the study size was arrived at	NA
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	NA
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	4, 5
		(b) Describe any methods used to examine subgroups and interactions	4, 5
	(c) Explain how missing data were addressed	NA	
	(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> —If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> —If applicable, describe analytical methods taking account of sampling strategy	NA	
	(e) Describe any sensitivity analyses	NA	

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60**Results**

Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	5, 6
		(b) Give reasons for non-participation at each stage	NA
		(c) Consider use of a flow diagram	NA
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	5, 6
		(b) Indicate number of participants with missing data for each variable of interest	NA
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	NA
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	5
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	NA
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	NA
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	5-8
		(b) Report category boundaries when continuous variables were categorized	NA
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	NA

**Discussion**

Key results	18	Summarise key results with reference to study objectives	5-8
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	10
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	10
Generalisability	21	Discuss the generalisability (external validity) of the study results	8-10

**Other information**

Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	11
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\*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

**Note:** An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at <http://www.plosmedicine.org/>, Annals of Internal Medicine at <http://www.annals.org/>, and Epidemiology at <http://www.epidem.com/>). Information on the STROBE Initiative is available at [www.strobe-statement.org](http://www.strobe-statement.org).

# BMJ Open

## Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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Secondary Subject Heading:	Epidemiology, Global health
Keywords:	PUBLIC HEALTH, EPIDEMIOLOGY, Chronic renal failure < NEPHROLOGY

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# Secular Trends of Epidemiologic Patterns of Chronic Kidney Disease Over Three Decades: An Updated Analysis of the Global Burden of Disease Study 2019

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Word count: 3986

**Keywords:** Chronic kidney disease, global burden of disease, death, aging, risk factors



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2  
3 25 **Abstract**

4 26 **Objectives:** To assess the characteristics of the global death burden imposed by  
5 27 chronic kidney disease (CKD) and the attributable risk factors from 1990 to 2019 to  
6 28 help inform a framework for policy discussions, resource allocation and research  
7 29 priorities.

8 30 **Design:** A population-based observational study.

9 31 **Setting:** The death data and relative risk factors were obtained from the Global  
10 32 Burden of Disease (GBD) Study 2019 database.

11 33 **Main outcome measures:** Based on the GBD database, we estimated the death  
12 34 burden attributable to CKD stratified by sociodemographic index (SDI), geographic  
13 35 location, sex, age group, time period and risk factors from 1990 to 2019.

14 36 **Results:** Over 3-decade study period, the global number of CKD-related deaths  
15 37 increased from 0.60 million (95% UI: 0.57-0.63 million) in 1990 to 1.43 million (95%  
16 38 UI: 1.31-1.52 million) in 2019. The age-standardized death rate (ASDR) of CKD,  
17 39 among all causes, increased from 15th in 1990 to 10th in 2019. Globally, the ASDR in  
18 40 males was higher than that in females. CKD-related deaths mainly occurred in those  
19 41 aged over 50 years, especially in regions with higher SDIs. The ASDR was negatively  
20 42 related to SDI ( $\rho = -0.603$ ,  $P < 0.0001$ ). Among risk factors, metabolic risk factors,  
21 43 especially systolic blood pressure (SBP), fasting plasma glucose (FPG) and body  
22 44 mass index (BMI), were the main contributors to CKD-related deaths. Although the  
23 45 high-temperature-related death burden was low, the trend increased sharply in lower  
24 46 SDI regions.

25 47 **Conclusions:** CKD-related deaths continue to increase, with the majority occurring in  
26 48 elderly adults. The CKD-related death burden is higher in males than in females.  
27 49 Additionally, the increasing high-temperature-related death burdens in lower SDI  
28 50 regions should receive social attention.

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3 52 **Strengths and limitations of this study**

- 4 53 ➤ This study evaluated the disease burden changing trends of chronic kidney  
5 54 disease over the past three decades.  
6 55 ➤ The disease burden changing trends and the relative risk factors of CKD were  
7 56 quantified to reveal the extent of the epidemic and suggest a framework for policy  
8 57 discussions, resource allocation and research priorities.  
9 58 ➤ Data on the impact of metabolic factors other than blood pressure and blood  
10 59 glucose, such as triglycerides, cholesterol or uric acid, on the global burden of  
11 60 CKD are lacking.  
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## 62 INTRODUCTION

63 Chronic kidney disease (CKD) refers to chronic renal dysfunction caused by various  
64 factors for more than 3 months.[1, 2] According to relevant statistics, there were an  
65 estimated 697.5 million cases of CKD worldwide in 2017.[1] The prevalence of CKD  
66 has increased with the aging of the population and has become a global public health  
67 problem.[3] The incidence rate increased by 29.3% compared with that in 1990.[1]  
68 Once diagnosed with CKD, the kidney function would gradually decline until the end-  
69 stage renal disease or even death, with little chance of reversal, imposing a heavy  
70 economic burden on society.

71 Studies have found that the sociodemographic index (SDI), human development level,  
72 economic situation, and health access and quality index are closely related to the CKD  
73 incidence.[4-7] Complex influencing factors make the diagnosis and treatment of  
74 CKD difficult, which seriously increases the public health burden.[8, 9] Although  
75 several studies on CKD have been conducted,[1, 10] detailed death burden analyses of  
76 recent 3-decade period are scarce and need to be further studied.

77 In the context of current global Big Data, deep quantitative analyses of CKD  
78 morbidity and mortality and their influencing factors are crucial in guiding decisions  
79 by policymakers and health care providers. However, the details of CKD-related  
80 mortality have been poorly studied worldwide. Considering these factors, we carried  
81 out research on the global CKD-related death burden and related risk factors from  
82 1990-2019. We also analyzed the numbers of deaths caused by CKD and the age-  
83 standardized death rates (ASDRs) by time period, region, age, risk factors and sex.

## 85 MATERIALS AND METHODS

### 86 Study data

87 Data analyzed in the present study were obtained from the online database the Global  
88 Health Data Exchange (GHDx) query tool ([http://ghdx.healthdata.org/gbd-results-  
89 tool](http://ghdx.healthdata.org/gbd-results-tool)), which were based on literature studies, survey data, surveillance data, medical  
90 records, health insurance claims and statistical model analysis.[11] The database  
91 provides epidemiological data about 369 diseases and 87 attributable risk factors in  
92 204 countries and territories from January 1, 1990 to December 31, 2019,  
93 disaggregated by time, location and sex, and is constantly updated by ongoing  
94 multinational cooperative organizations.[12, 13] Detailed research methods followed  
95 the Global Burden of Disease study (GBD) 2019.[12, 13] The SDI, based on fertility,  
96 income per capita and educational attainment, was used as a composite indicator of  
97 the degree of health-related development at the national or regional level. The SDI  
98 value ranges from 0 to 1, and all the countries were classified into five SDI regions:  
99 low-, low-middle-, middle-, high-middle- and high-SDI regions, according to the SDI  
100 quintiles. Regions with a lower value indicated a lower degree of development  
101 associated with health outcomes. In addition, countries were divided into 21 regions  
102 according to geographical location. Age-standardized rates (ASRs) based on the  
103 updated standard population were also available in the GBD 2019, allowing the

104 analysis of CKD according to age structure and population size.

### 105 **Statistical analysis**

106 Numbers and ASDRs, and associated 95% uncertainty intervals (UIs) provided by  
107 GBD 2019, were analyzed to quantify the CKD-related death burden attributed to risk  
108 factors. Ninety-five percent UI values fell between the 2.5th and 97.5th percentiles of  
109 1000 samples that were extracted from the posterior distribution in the modeling  
110 process.[14] The time trend of an ASR over a specified time period was represented  
111 by the estimated annual percentage change (EAPC), which detailed calculation  
112 method has been reported in many previously published GBD studies.[15, 16] In  
113 brief, the natural logarithm of the ASR is assumed to be linear over time; therefore,  
114  $\ln(\text{ASR}) = \alpha + \beta \times (\text{calendar year}) + \text{error term}$ . The  $\text{EAPC} = 100 \times (\exp(\beta) - 1)$ , and the  
115 95% confidence interval (95% CI) can be obtained from the linear regression model.  
116 To assess the trends of data over time from 1990 to 2019, Joinpoint trend analyses  
117 were performed by fitting several different line segments on a logarithmic scale with  
118 the simplest model. Significant changes were identified by permutation tests and  
119 estimated by the Monte Carlo method. A *P* value less than 0.05 was used to denote to  
120 be statistical significance.

121 All statistical and graphical analyses were carried out using R version 4.1.2 (Vienna,  
122 Austria), Joinpoint software version 4.9.0.1 (National Cancer Institute, USA) and  
123 GraphPad Prism 8 (California, USA).

### 124 **Patient and Public Involvement**

125 Patients or the public were not involved in this study.

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## 127 **RESULTS**

### 128 **1. Global burden of chronic kidney disease**

#### 129 *1.1 Changing trend of global CKD-related burden from 1990 to 2019*

130 Globally, there were an estimated 697.3 million CKD cases and 19.0 million incident  
131 cases in 2019, both of which were more than twice those in 1990 (supplementary  
132 table 1, supplementary table 2, supplementary figure 1a and supplementary figure 1b).  
133 The number of deaths caused by CKD doubled from 0.6 million (95% UI: 0.57-0.63  
134 million) in 1990 to 1.4 million (95% UI: 1.31-1.52 million) in 2019 (table 1; figure  
135 1a). Among all the causes of death, the percentage of deaths due to CKD doubled  
136 from 1.3% to 2.5%. The numbers of deaths caused by CKD increased from 19th in  
137 1990 to 11th in 2019 (supplementary figure 2a), and the ASDR increased from 15th to  
138 10th (supplementary figure 2b). Global disability-adjusted life-years (DALYs),  
139 consisted of years of life lost prematurely (YLLs) and years lived with disability  
140 (YLDs), also doubled from 21.5 million in 1990 to 41.5 million in 2019  
141 (supplementary table 3 and supplementary figure 1c). During this period, the age-  
142 standardized incidence rate (ASIR) increased over time, with an EAPC of 3.2 (95%  
143 CI: 3.11 to 3.19) (supplementary table 2, supplementary figure 3). The ASDR,  
144 DALYs, YLLs and YLDs showed upward trends in the first half of the study period  
145 but downward trends in the latter years according to the Joinpoint analyses (figure 1b

146 right, supplementary figure 3). These trends were consistent in both the male and  
147 female (supplementary figure 3).

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149 **Table 1.** Death cases and age-standardized death rates of chronic kidney disease in 1990 and  
150 2019, and the temporal trends from 1990 to 2019.

	1990		2019		1990-2019
Characteristics	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	Death cases ( $\times 10^3$ ) (95% UI)	ASDR per 100,000 population (95% UI)	EAPC of ASDR (95% CI)
Global	601.31 (567.6-633.79)	16.14 (15.13-17.13)	1427.23 (1313.73- 1524.55)	18.29 (16.72-19.55)	0.55 (0.46 to 0.64)
<b>Gender</b>					
Males	313.94 (293.38-338.57)	19.55 (18.19-21.18)	741.38 (685.84-801.7)	21.59 (19.93-23.27)	0.55 (0.46 to 0.64)
Females	287.37 (268.8-305.44)	13.89 (12.91-14.79)	685.85 (614.92-741.57)	15.8 (14.17-17.09)	0.55 (0.46 to 0.64)
<b>SDI regions</b>					
Low	62.02 (55.89-68.54)	27.21 (24.08-30.65)	125.07 (112.78-137.96)	25.28 (22.9-27.68)	-0.27 (-0.31 to -0.22)
Low-middle	126.51 (114.96-138.84)	21.9 (19.73-24.25)	293.49 (265.9-320.13)	22.95 (20.77-25.04)	0.14 (0.01 to 0.26)
Middle	196.59 (183.72-209.89)	21.01 (19.54-22.84)	506.13 (464.49-547.47)	22.8 (20.79-24.75)	0.43 (0.36 to 0.5)
High-middle	116.33 (109.59-124.18)	12.25 (11.42-13.2)	227.99 (207.02-244.66)	11.78 (10.65-12.65)	-0.08 (-0.22 to 0.06)
High	99.47 (92.56-103.08)	9.61 (8.92-9.98)	273.59 (236.92-294.76)	12.58 (11.09-13.47)	1.21 (1.09 to 1.32)
<b>21 GBD regions</b>					
Central Asia	5.04 (4.73-5.75)	10.01 (9.33-11.63)	10.38 (9.43-11.49)	14.75 (13.48-16.17)	1.11 (0.73 to 1.49)
Central Europe	13.14 (12.7-13.56)	9.62 (9.22-9.93)	18.76 (16.33-21.22)	8.61 (7.5-9.74)	-0.23 (-0.36 to -0.11)
Eastern Europe	11.06 (10.74-11.35)	4.41 (4.25-4.53)	15.93 (14.23-17.56)	4.85 (4.34-5.34)	-0.16 (-0.42 to 0.09)
Australasia	2.02 (1.85-2.14)	9.27 (8.39-9.87)	6.12 (5.14-6.85)	10.77 (9.17-12)	0.7 (0.62 to 0.78)
High-income Asia Pacific	22.94 (21.27-23.86)	13.12 (12.01-13.73)	54.14 (42.82-60.58)	9.13 (7.54-10.06)	-1.35 (-1.43 to -1.28)

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High-income North America	35.75 (32.89-37.2)	9.79 (9.03-10.18)	114.46 (102.38-122.48)	16.88 (15.26-17.98)	2.26 (2.07 to 2.45)
Southern Latin America	8.99 (8.51-9.42)	20.79 (19.61-21.83)	21.69 (19.81-23.33)	25.45 (23.27-27.34)	0.72 (0.43 to 1.02)
Western Europe	49.78 (46.2-51.89)	8.49 (7.86-8.87)	116.66 (99.12-126.16)	9.97 (8.58-10.73)	0.98 (0.86 to 1.1)
Andean Latin America	5.24 (4.78-5.74)	25.51 (23.13-28.1)	19.38 (16.14-22.96)	35.68 (29.73-42.21)	1.37 (1.07 to 1.67)
Caribbean	4.79 (4.47-5.28)	18.59 (17.28-20.52)	12.66 (10.85-14.78)	24.58 (21.08-28.71)	1.44 (1.31 to 1.58)
Central Latin America	20.7 (19.77-21.36)	25.77 (24.22-26.76)	111.71 (98.57-125.86)	48.11 (42.52-54.16)	2.42 (2.09 to 2.74)
Tropical Latin America	16.59 (15.87-17.14)	19.36 (18.16-20.14)	44.22 (40.46-46.73)	18.96 (17.25-20.06)	0.01 (-0.06 to 0.09)
North Africa and Middle East	52.6 (47.64-61.84)	34.74 (30.67-44.08)	111.81 (96.42-130.85)	30.37 (26.34-35.39)	-0.43 (-0.51 to -0.34)
South Asia	117.5 (100.02-134.35)	22.21 (18.57-25.75)	285.34 (248.21-324.6)	21.56 (18.82-24.36)	-0.3 (-0.51 to -0.08)
East Asia	104.32 (92.79-116.88)	13.28 (11.9-14.75)	209.29 (179.98-237.7)	11.55 (9.99-13.05)	-0.21 (-0.32 to -0.1)
Oceania	0.62 (0.53-0.72)	20.82 (18.22-23.98)	1.6 (1.32-1.93)	23.8 (20.26-27.96)	0.31 (0.12 to 0.49)
Southeast Asia	68.7 (63.3-74.86)	27.38 (24.96-30.14)	153.37 (137.32-169.64)	27.79 (24.63-30.68)	0.06 (0 to 0.12)
Central Sub-Saharan Africa	6.45 (5.47-7.54)	30.32 (25.81-34.98)	12.36 (9.7-15.19)	25.87 (19.78-31.73)	-0.64 (-0.68 to -0.61)
Eastern Sub-Saharan Africa	21.64 (19.01-24.17)	29.43 (25.56-33.33)	38.6 (34.23-43.26)	26.24 (23.43-29.23)	-0.5 (-0.55 to -0.46)
Southern Sub-Saharan Africa	6.18 (5.58-7.05)	23.04 (20.68-26.41)	16.27 (14.95-17.65)	32.44 (29.77-35.1)	1.31 (0.95 to 1.66)
Western Sub-Saharan Africa	27.27 (23.36-32.18)	31.88 (27.56-37.76)	52.47 (44.11-61.28)	29.35 (25.21-33.71)	-0.21 (-0.25 to -0.17)

SDI: sociodemographic index; ASDR: age-standardized death rate; EAPC: estimated annual percentage change; UI: uncertainty interval; CI: confidence interval.

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### 155 **1.2 Changing trend of CKD-related death burden in each SDI region**

156 Of the total DALYs caused by CKD, YLLs accounted for 78.9%, while YLDs  
 157 accounted for 21.1% in 2019. Therefore, we focused subsequent analyses mainly on  
 158 the CKD-related death burden. During the three decades, all five SDI regions showed  
 159 increases in the numbers of deaths over time (figure 1b left). Among them, the

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3 160 middle-SDI region showed the highest death numbers, reaching 0.5 million, and the  
4 161 low-SDI region had the lowest, with 0.1 million, in 2019 (figure 1a and 1b left). The  
5 162 ASDR in the high-SDI region increased dramatically, with an EAPC of 1.2 (95% CI:  
6 163 1.09 to 1.32), and exceeded that of the high-middle-SDI from 2011 onward (figure 1b  
7 164 right). In contrast, the low-SDI region still had the highest ASDR in 2019, at 25.3 per  
8 165 100,000 population (95% UI: 22.90-27.68), although it had the most significant  
9 166 declining trend (EAPC: -0.27, 95% CI: -0.31 to -0.22) (figure 1b right). The ASDR  
10 167 was negatively correlated with SDI level worldwide ( $\rho = -0.603$ ,  $P < 0.0001$ , figure  
11 168 1c), while the ASIR was positively correlated with SDI level ( $\rho = 0.54$ ,  $P < 0.0001$ ,  
12 169 supplementary figure 4).

### 170 ***1.3 The ASDR increased in most regions and countries***

171 At the regional level, death numbers in all 21 regions and the ASDRs in most regions  
172 showed increasing trends during this period (figure 1d). At the country level, CKD-  
173 related deaths increased by more than 500% in the United Arab Emirates, Venezuela,  
174 Estonia, Armenia, El Salvador and Ecuador over the three-decade study period  
175 (supplementary table 4). India (0.22 [95% UI: 0.19-0.26] million) surpassed inland  
176 China (0.2 [95% UI: 0.17-0.23] million) to be the country with largest number of  
177 CKD-related deaths in 2019. The number of deaths in the United States of America  
178 (0.11 [95% UI: 0.10-0.11] million) was second to only those in India and China. The  
179 total number of deaths for these three countries accounted for 36.9% of the worldwide  
180 number of deaths in 2019 (figure 1e, supplementary figure 5). Nicaragua had the  
181 largest ASDR, at 80.2 (95% UI: 69.57-83.24) per 100,000 population (figure 1f,  
182 supplementary table 4). Estonia showed the fastest increase in the ASDR with an  
183 EAPC of 5.4 (95% CI: 4.91 to 5.81) during this period (figure 1g, supplementary table  
184 4). While Mongolia had the fastest decrease in the ASDR of CKD (EAPC: -3.6, 95%  
185 UI: -4.07 to -3.12) (figure 1g, supplementary table 4).

## 186 **2. The CKD-related death burden in males was higher than that in females in 187 relatively high SDI regions**

### 188 ***2.1 The CKD-related death burden was unbalanced between sexes at the SDI level***

189 Generally, the number of CKD-related deaths was larger in males than in females  
190 over the past 3 decades (figure 2a), both of which showed synchronous upward  
191 trends, with the ratio of female to male deaths changing from 0.915 in 1990 to 0.925  
192 in 2019 (Figure 2b). In the high-SDI region, the ratio remained above 1 during this  
193 period. In 2019, the high- and high-middle-SDI regions had higher female death  
194 burdens, with ratios of female deaths to male deaths of 1.1 and 1.0, respectively,  
195 while the ratios in low- and low-middle-SDI regions were 0.802 and 0.812, which  
196 were the lowest (figure 2b left). Similar to the number of deaths, the CKD-related  
197 ASDR in males was higher than that in females over this period. In 2019, the female  
198 to male ASDR ratios ranged from 0.6 to 0.8 in all the SDI regions (figure 2b right),  
199 suggesting that the CKD-related death burden was unbalanced between sexes.

### 200 ***2.2 The ASDR in males increased in most regions and countries***

201 At the regional level, the female to male deaths ratios in Eastern Europe was the



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3 202 highest (1.3), and that in Oceania was the lowest (0.7) in 2019. Death cases of both  
4 203 sexes were mainly concentrated in Asia. Both male and female deaths in Latin  
5 204 America had the fastest increase over time. In contrast, female death numbers in  
6 205 Eastern Europe and male death numbers in Central Europe had the slowest increases  
7 206 (figure 2c, supplementary table 5). Unlike the number of deaths, the female to male  
8 207 ASDR ratios in most regions were less than 1.0, except in North Africa and Middle  
9 208 East (1.0). The ratio in Southern sub-Saharan Africa was the lowest, at 0.6  
10 209 (supplementary table 5).

11 210 At the country level, the numbers of male deaths in almost all the countries showed  
12 211 increasing trends, except in Slovakia and Poland. The death ratios in Estonia,  
13 212 Hungary, Latvia, Austria and Vietnam were over 1.5, which suggested that the CKD-  
14 213 related death burden was much higher in females than in males in these countries. In  
15 214 contrast, the ratio was less than 0.5 in Papua New Guinea and the United Arab  
16 215 Emirates, indicating a higher death burden in males (figure 2d, supplementary table  
17 216 6). The ASDRs in both females and males in Mongolia showed the largest decreases,  
18 217 with decreases of 43.2% in females and 57.1% in males.

### 218 **3. The age-related CKD-related death burden is more serious in high-SDI** 219 **regions**

#### 220 ***3.1 The numbers of CKD-related death increased with age in 2019***

221 In 2019, global CKD-related deaths were mainly distributed in middle-aged and  
222 elderly people over 50 years old, specifically 50-74 years old, who accounted for  
223 41.9% (figure 3a). Those aged 50-74 years had the largest death numbers in all the  
224 SDI regions except high-SDI region. In high-SDI region, the numbers of CKD-related  
225 death were increased with age, with the largest in 85 plus age group. The numbers of  
226 deaths in the 85 plus age group had the greatest increases in all SDI regions (figure  
227 3a). Those aged 0-9 years showed decreases in the numbers of deaths in all the SDI  
228 regions except the low-SDI region. Those aged 10-24 years had increased numbers of  
229 deaths in the low- and low-middle-SDI regions (figure 3b). Therefore, premature  
230 deaths were mainly concentrated in the relatively lower SDI regions in 2019.

#### 231 ***3.2 The changing trend of CKD-related death burden from 1990 to 2019 in each*** 232 ***SDI regions***

233 During this period, the age distribution of CKD-related deaths in the relatively young  
234 population, including the 0-9, 10-24 and 25-49, and 50-74 age groups, showed a  
235 declining trend (figure 3c). In contrast, deaths in elderly individuals, particularly those  
236 aged 85 years and older, showed an upward trend. Central Asia was the only region  
237 that saw a decline composition of 85 plus age group (figure 3c). As to SDI level, the  
238 proportion of deaths the 85 plus age group showed an upward trend with increasing  
239 SDI level, with the highest value of 58.2% in the Western Europe region in 2019.  
240 Eastern sub-Saharan Africa and Western sub-Saharan Africa, with lower SDI levels,  
241 had the highest proportions of the 10-24 and 0-9 age groups, respectively. The high-  
242 income Asia Pacific region had the largest increase in the proportion among the 85  
243 plus age group and the largest decrease among the 50-74 age group (figure 3c). These



244 results revealed that the CKD-related death burden gradually shifted to elderly  
245 individuals in higher SDI regions. In addition, the proportion of females increased  
246 with increasing age was found in the further analysis of sex compositions among  
247 different age groups (figure 3d).

#### 248 **4. CKD Burden attributable to risk factors**

##### 249 ***4.1 The main risk factors for death from CKD***

250 Globally, metabolic disorders (such as diabetes, obesity and hypertension) were the  
251 main risk factors for death from CKD. Over this period, the numbers of deaths due to  
252 CKD attributable to high systolic blood pressure (SBP), high fasting plasma glucose  
253 (FPG) and high body mass index (BMI) sharply increased (figure 4a), which were the  
254 main risk factors contributing to the ASDR of CKD, accounting for 62.0%, 33.6%  
255 and 27.2%, respectively in 2019. Even though the ASDR of CKD attributable to high  
256 BMI had the largest increase, at 77.1%, compared with 17.6% for high SBP and  
257 20.4% for high FPG, the ranks of these risk factors did not change (figure 4a).

##### 258 ***4.2 The high SBP-attributed ASDRs in all five SDI regions***

259 CKD attributable to high SBP was associated with the highest ASDRs in all the SDI  
260 regions over this period (figure 4a). In 2019, high SBP-attributed death rate in the  
261 low-SDI region was higher than in other SDI-regions (figure 4b), even though it  
262 showed the greatest reduction during the 30-year study period (decrease of 3.0%). The  
263 high SBP-attributed death rate in the high-SDI region saw the fastest increase (figure  
264 4b). In 2019, ASDR attributed to high SBP in the high-middle-SDI region was the  
265 lowest. At the regional level, the rank of the high SBP-attributed ASDR in Central  
266 Latin America increased from sixth in 1990 to first among all 21 regions in 2019, with  
267 the greatest increase.

##### 268 ***4.3 Other metabolic disorders factors for CKD-related ASDR in each SDI regions***

269 The highest FPG-attributed ASDRs were mainly concentrated in the low-middle and  
270 low-SDI regions during this period (figure 4b). In 2019, high FPG was the second  
271 most prevalent risk factor, followed by high BMI, in all regions except the high-SDI  
272 region (figure 4a, c). In contrast, BMI was ranked as the second most prevalent  
273 contributor, exceeding FPG, to the ASDR in the high-SDI region in 2019, even  
274 though the FPG-attributed death rate in this region showed a larger increase than  
275 those in other regions (figure 4b, c). In 2019, the FPG-attributed ASDR in the middle-  
276 SDI region was higher than those in the other SDI regions, while that in the high-  
277 middle-SDI region was the lowest (figure 4b). The BMI-attributed ASDR in the  
278 middle-SDI was the highest, while in the high-middle SDI, it was the lowest. It is  
279 worth noting that the BMI-attributed ASDRs in all five SDI regions had steeply  
280 increasing trends over this period (figure 4b). A diet high in sodium was the fourth-  
281 ranked contributor to the CKD ASDR in the high-middle-, middle- and low-middle-  
282 SDI regions and the fifth-ranked contributor in the high- and low-SDI regions (figure  
283 4a).

##### 284 ***4.4 The changing trends of ASDRs caused by high or low temperature in different areas***

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3 286 Notably, although the high temperature-related death burden was low (figure 4c), the  
4 287 high temperature-attributed ASDRs increased steeply in the low-middle- and low-SDI  
5 288 regions over this period (figure 4b). These regions had the highest high temperature-  
6 289 attributed ASDRs in 2019 (figure 4c). In sharp contrast, the high temperature-  
7 290 attributed ASDRs in the high-middle- and high-SDI regions decreased by 7.6 and 6.6  
8 291 times, respectively, compared with those in 1990 (figure 4b). The high-middle-SDI  
9 292 region had the lowest high temperature-related death rate in 2019. At the regional  
10 293 level, East Asia, High-income North America, South Asia and Western Europe  
11 294 showed the fastest increases in the high temperature-attributed ASDRs, and South  
12 295 Asia had the highest high temperature-attributed death rate in 2019. Central Latin  
13 296 America and Southeast Asia had the fastest decreases in the high temperature-  
14 297 attributed ASDR. Tropical Latin America, Southern sub-Saharan Africa and Eastern  
15 298 sub-Saharan Africa had the lowest values. In addition, the risk factors of low  
16 299 temperature and lead exposure were much larger than those of high temperature, and  
17 300 low temperature exposure was the first of the three in high- and high-middle-SDI  
18 301 regions (figure 4a).

19 302

## 20 303 **DISCUSSION**

21 304 Despite advancements in scientific research that have led to a better understanding of  
22 305 the pathogenesis of diseases and significant improvements in disease management, no  
23 306 significant improvement was observed in the burden of CKD-related deaths, in  
24 307 contrast with other noncommunicable diseases. CKD is characterized by a gradual  
25 308 decline kidney function that eventually results in end-stage renal disease (ESRD),  
26 309 with little chance of reversal. CKD is therefore an important cause of morbidity and  
27 310 mortality among noncommunicable diseases.[17]

28 311 Our results showed significant regional variations in the CKD-related death burdens.  
29 312 The ASDR of CKD was associated with SDI, with higher CKD ASDRs in lower SDI  
30 313 regions. This may be related to a lack of effective health interventions caused by  
31 314 inadequate health care funding and weak health systems in lower SDI regions.[18] If  
32 315 these trends continue, differences in the CKD death burden among regions will  
33 316 increase further. In terms of geographical regions and countries, the CKD death  
34 317 burden in Mesoamerica (especially Nicaragua, El Salvador and Mexico) was more  
35 318 serious than those in other geographical locations. This may be due to the  
36 319 megathermal climate or the rates of diabetes and hypertension, which are major risk  
37 320 factors globally.[19] A recent study revealed that agricultural workers who currently  
38 321 or used to work in the sugarcane industry may be at high-risk of CKD.[19, 20] In  
39 322 addition, climate change in this region may be a risk factor for CKD-related  
40 323 death.[21] These findings call for increased government planning and interventions  
41 324 and the development of new and more appropriate solutions to address the CKD death  
42 325 burden in this area.

43 326 Globally, the number of CKD-related deaths and ASDR were larger and higher in  
44 327 males than in females, although the difference appearing to be slightly decreasing

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3 328 trend recent years. It is worth noting that the sex ratio of deaths in the high-SDI region  
4 329 remained above 1 during the study period, but the ASDR ratio did not, which may be  
5 330 attributed to the increase in the population and the aging of the population in this  
6 331 region, especially among females. In contrast, the sex ratio of the ASDR was higher  
7 332 than the ratio of deaths in several countries in the Middle East, such as Egypt (1.60 vs.  
8 333 1.13 in Egypt). This result coincided with the lower disability-free life expectancy  
9 334 among females total lifetime in this region.[22]

10 335 Over the past 30 years, the age distribution of CKD-related deaths showed a gradual  
11 336 increasing trend with age, and people in the middle-aged and elderly groups (> 50  
12 337 years old) accounted for the main proportion of CKD deaths. This trend may be  
13 338 closely related to improvements in health care as well as population aging worldwide.  
14 339 However, in regions with relatively low SDIs, such as Africa, premature deaths are  
15 340 still prevalent, with increasing numbers, which may be explained by the low levels of  
16 341 medical and health care in these regions. Patients diagnosed with CKD may not  
17 342 receive timely and adequate medical care to slow the progression of renal  
18 343 deterioration, resulting in premature death, which reflects the impact of  
19 344 socioeconomic development on premature CKD-related deaths.[23] Therefore, policy  
20 345 makers and the health care sector in these regions should implement urgent measures  
21 346 to reverse this negative trend.

22 347 The most cost-effective strategy to reduce the number of CKD-related deaths is  
23 348 preventing the onset of CKD.[24] Therefore, screening high-risk groups and  
24 349 developing interventions targeting a variety of risk factors are the most effective  
25 350 approaches.[24, 25] High SBP, FPG and BMI were the main risk factors for CKD-  
26 351 related death.[1, 7, 26] Hence, implementing measures to improve blood pressure,  
27 352 plasma glucose and body weight is critical for reducing the CKD burden.[27]  
28 353 Although the CKD-related death burden attributed to high temperature exposure was  
29 354 low, the rapid upward trend, especially in the low- and low-middle-SDI regions,  
30 355 should be noted. In contrast, this burden in the high- and high-middle-SDI regions  
31 356 tended to remain stable or even decreased. Some studies recently reported large  
32 357 numbers of young sugarcane workers with end-stage of CKD, who did not have any  
33 358 known risk factors for CKD, such as high blood pressure or diabetes before.[19]  
34 359 Subsequent reports found that CKD of unknown origin also occurred in people who  
35 360 worked in agriculture or construction in other low-socioeconomic areas.[28] It has  
36 361 already been the leading cause of hospitalization and death among CKD patients in  
37 362 Central America.[29] Even though the exact pathogenesis of CKD in these individuals  
38 363 is currently unknown, it is undoubtedly related to heat exposure and dehydration  
39 364 caused by rapidly changing environmental conditions.[28, 30, 31] Compared with the  
40 365 higher SDI regions, the ability to provide health care and adapt to climate change in  
41 366 relative lower regions were limited; therefore, the situation is severely affected by  
42 367 high temperature exposure and is getting worse.[31] Local governments should  
43 368 formulate effective measures to cope with the high-temperature environment and  
44 369 formulate strategies to mitigate climate change. Moreover, cooperation among

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3 370 clinicians, public health personnel, government agencies and medical researchers  
4 371 should be promoted to raise public awareness of CKD, actively explore the specific  
5 372 mechanism of the influence of high temperature exposure on CKD and minimize the  
6 373 adverse effects of climate change on kidney health.

7 374 Additionally, it has been shown that the association between cold exposure promoting  
8 375 CKD-related hospital visits is stronger than at moderate and high temperatures.[32]  
9 376 And acute cold exposure can lead to a significant increase in arterial blood pressure in  
10 377 patients with or without comorbid CKD.[33] Therefore, avoiding acute cold exposure  
11 378 and enhancing warmth measures in cold exposure are particularly important.  
12 379 Environmental lead exposure increases the risk of CKD.[34, 35] Due to the  
13 380 prevalence of lead in the environment, human exposure to this metal is almost  
14 381 inevitable. Therefore, public measures to reduce environmental contamination and  
15 382 reduce the food chain transfer of lead are essential, as are measures to reduce risk by  
16 383 setting maximum allowable concentrations of lead in staple foods at the lowest  
17 384 achievable levels.

### 385 **Limitations**

386 The GBD database provides extensive data and estimates of risk factors for the global  
387 burden of CKD, but there are some limitations, which have been detailed in many  
388 previously published studies.[13] First, more detailed information about the included  
389 countries and regions could not be obtained from the GBD database. In some  
390 countries with large territory spans or with multinational populations, the impact of  
391 regional and ethnic differences within countries on the global burden of CKD could  
392 not be further analyzed. In addition, the CKD burden may be underestimated in less  
393 developed countries and areas due to limited access to health care. Moreover, data on  
394 the impact of metabolic factors other than blood pressure and blood glucose, such as  
395 triglycerides, cholesterol or uric acid, on the global burden of CKD are lacking.

### 396 **CONCLUSIONS**

397 In summary, CKD remains a critical global public health concern. CKD-related  
398 deaths continue to increase, with the majority now occurring in elderly adults, mainly  
399 due to the increase in and the aging of the global population. However, the numbers  
400 of premature deaths in regions with low-SDI levels remain high, and the trend is  
401 increasing. In addition, the burden of CKD-related deaths is more severe in males  
402 than in females, though this difference is likely to narrow over time. Hypertension,  
403 diabetes and obesity remain critical risk factors for CKD. Moreover, in the low-SDI  
404 region, the rapidly increasing number of CKD-related deaths attributed to high  
405 temperature exposure should not be ignored, and national-level measures should be  
406 taken to reverse this trend.

### 407 **Acknowledgments**

408 Authors appreciate all the collaborators involved in the GBD study 2019.

### 409 **Competing interests**

410 No competing interests to declare.

### 411 **Contributors**

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3 412 The idea and conceptual design: YL and XS; Data acquisition: ZC and NH; Literature  
4 413 retrieval and data collation: XL and XF; Data analysis: ZC and JL; Visualization: XL  
5 414 and YL; Preparation of the original draft: ZC and NH; Manuscript editing and  
6 415 revising: YL, XF and XS. Authors confirm that all of them have full access to all the  
7 416 data of the present study and are responsible for submitting for publication.

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12 420 ZR2020QH086).

13 421 **Ethics approval**

14 422 Not applicable. Data of this study was publicly available and no patient and animal  
15 423 was involved.

16 424 **Data sharing statement**

17 425 Data are available in a public, open access repository. Data used from the online  
18 426 database the Global Health Data Exchange (GHDx) query tool  
19 427 (<http://ghdx.healthdata.org/gbd-results-tool>).[11]  
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3 554 **Figure legends**  
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6 555 **figure 1.** Global death cases and death rate of CKD from 1990 to 2019. (A) Death  
7 556 cases in global and SDI areas in 1990 and 2019. (B) Death cases and ASDRs in global  
8 557 and SDI areas from 1990 to 2019. (C) Relationship between ASDRs and SDI from  
9 558 1990 to 2019. (D) Death cases and ASDRs in 21 geographic regions from 1990 to  
10 559 2019. (E) Death cases in 204 countries and territories in 2019. (F) The ASDRs in 204  
11 560 countries and territories in 1990 and 2019. (G) The EAPCs of ASDRs in 204  
12 561 countries and territories from 1990 to 2019. ASDR, age-standardized death rate (per  
13 562 100,000 population).

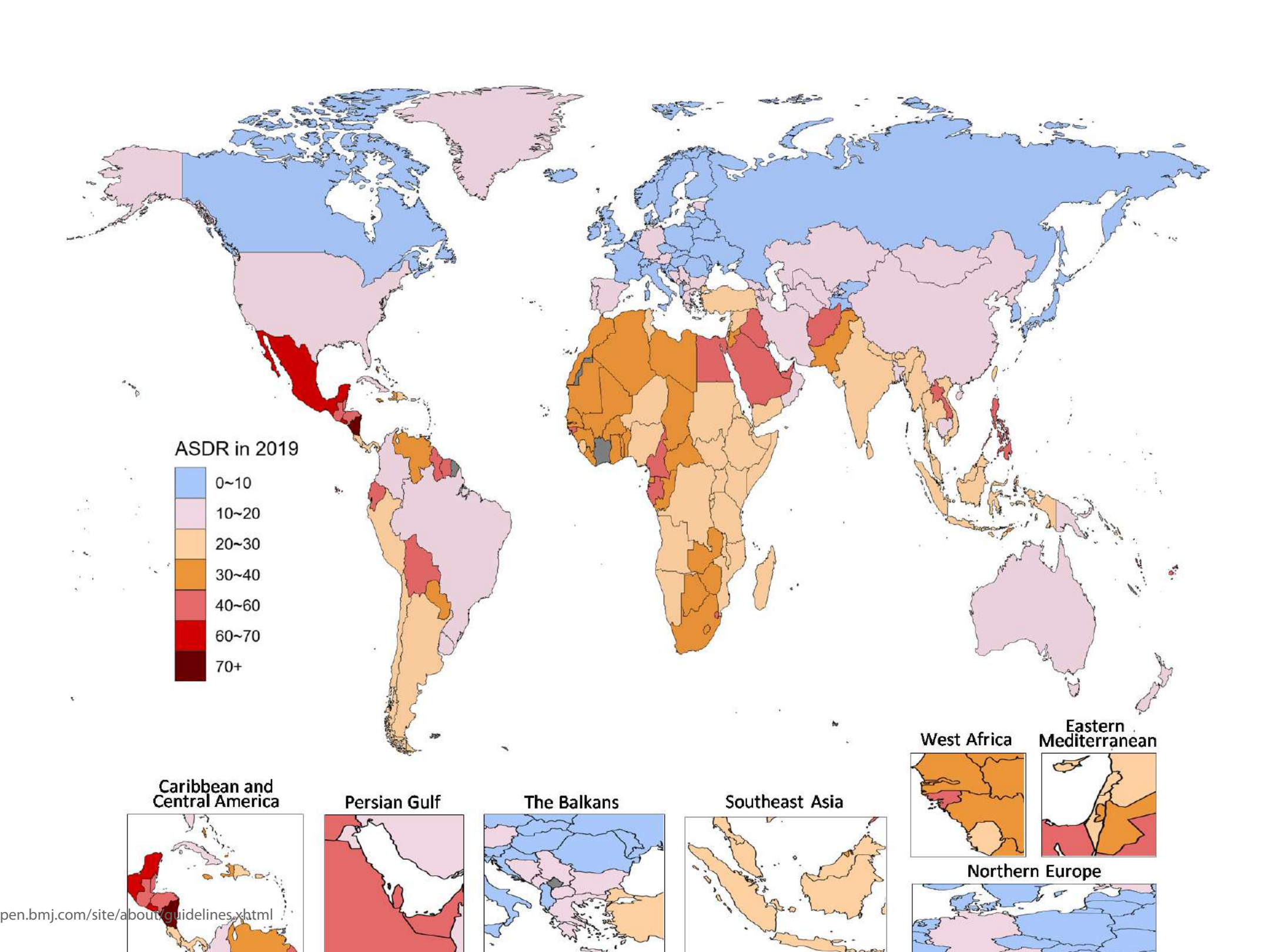
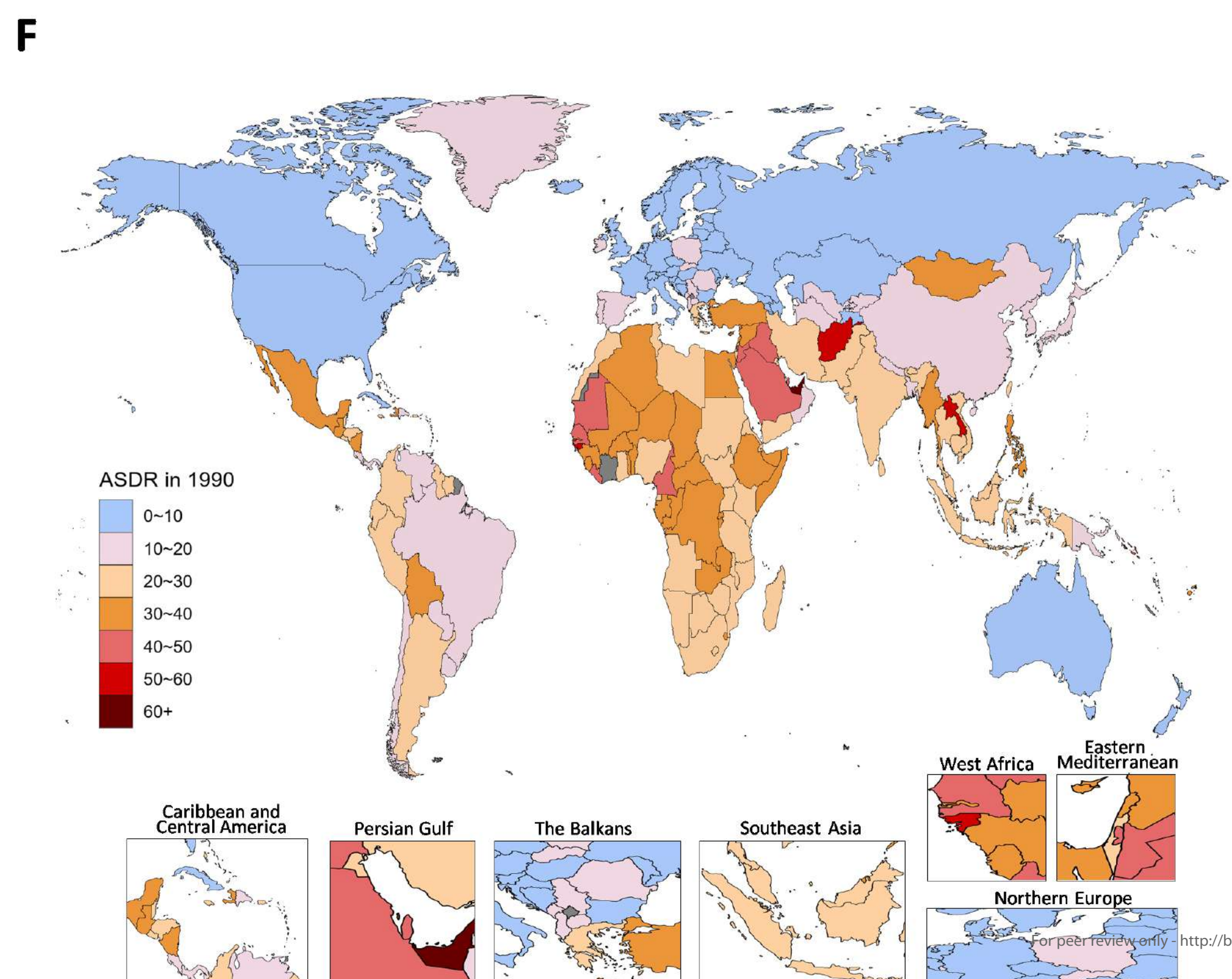
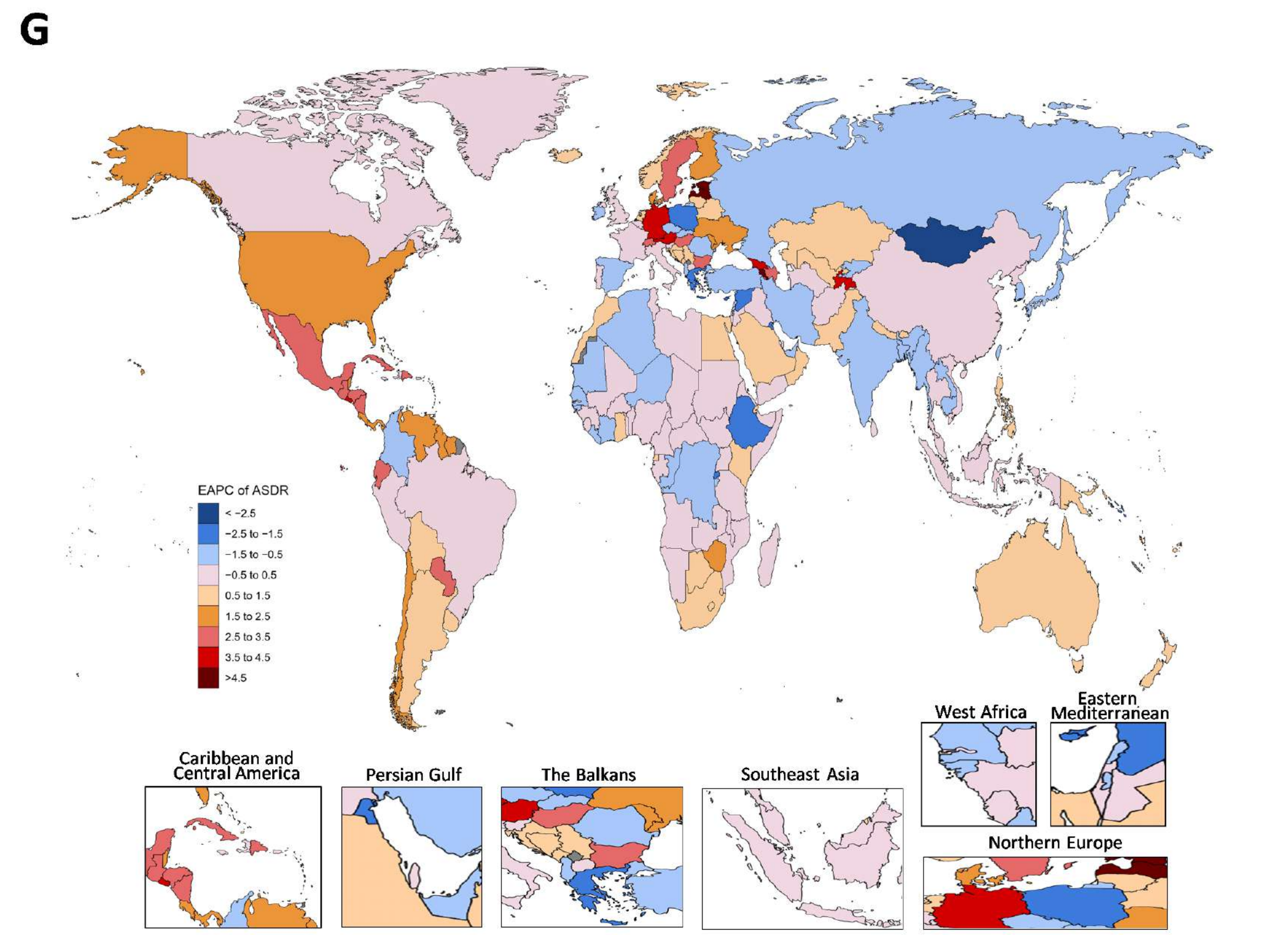
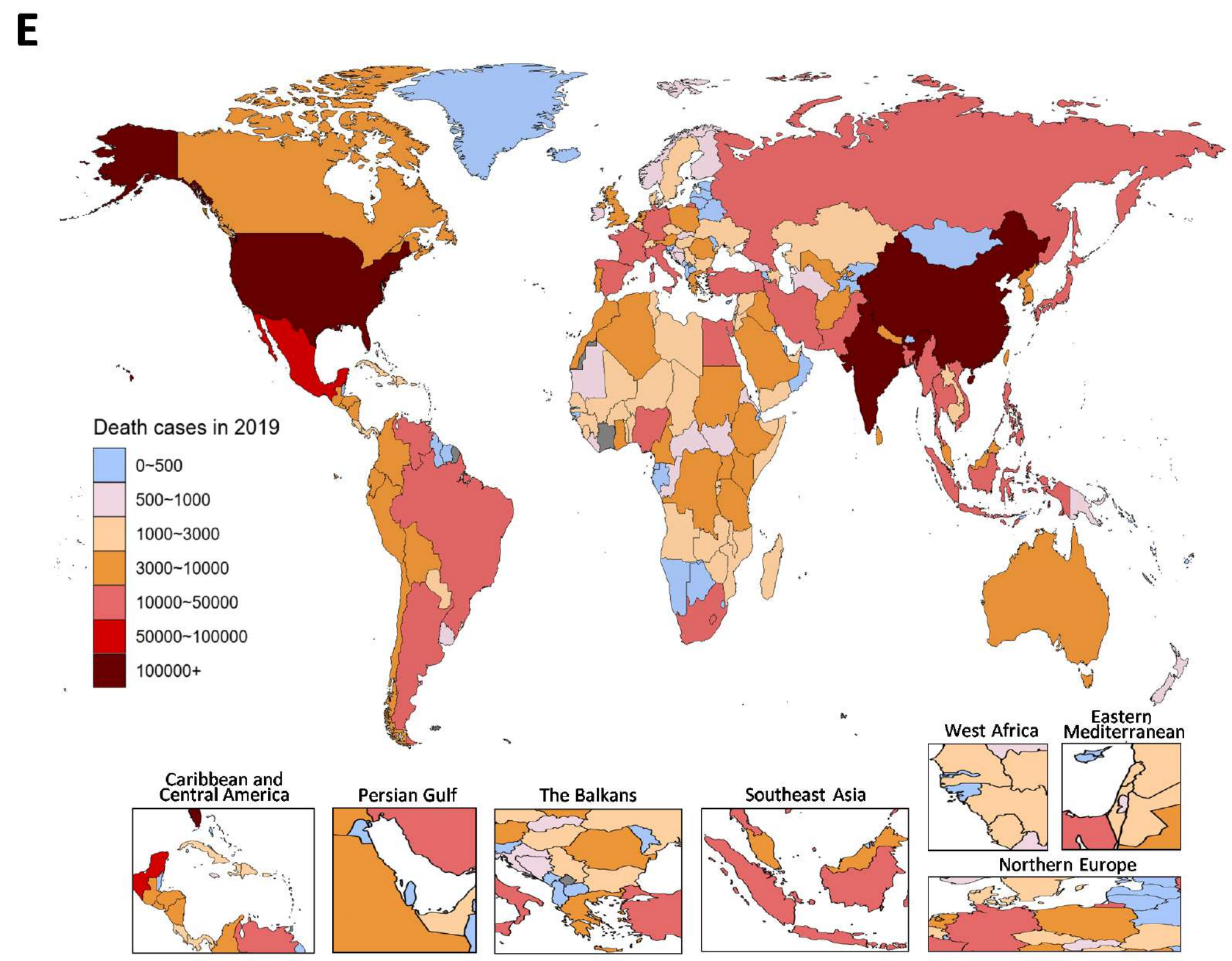
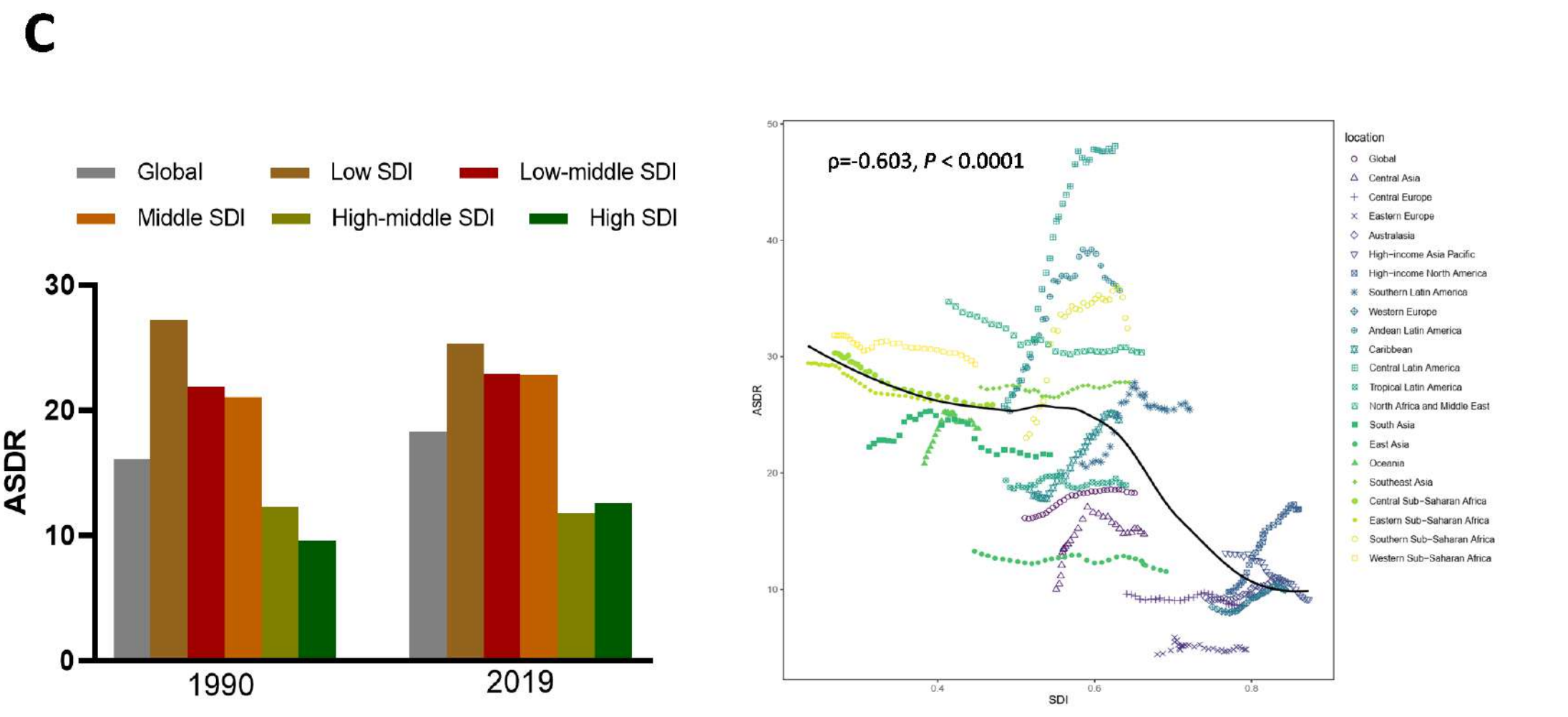
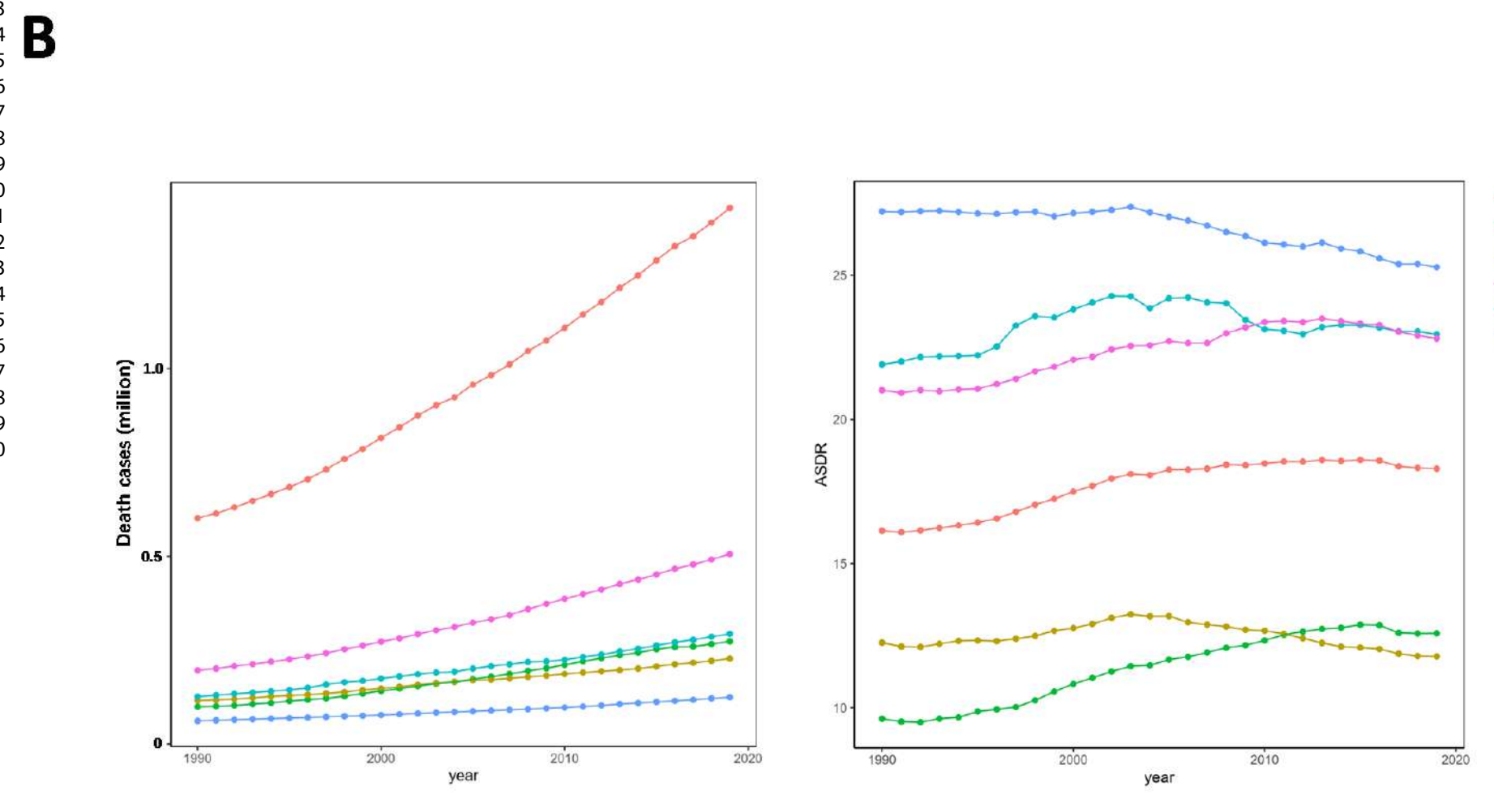
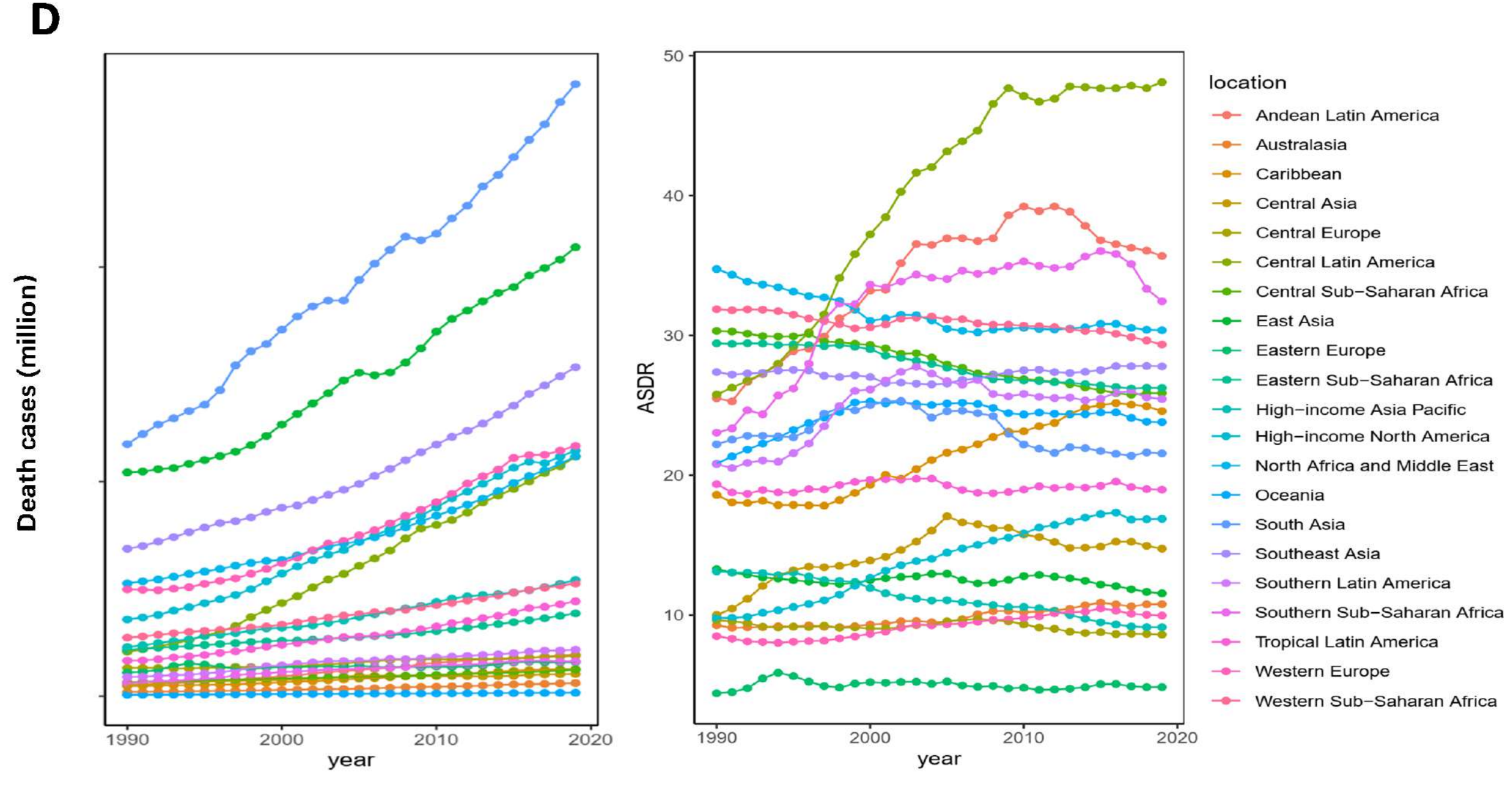
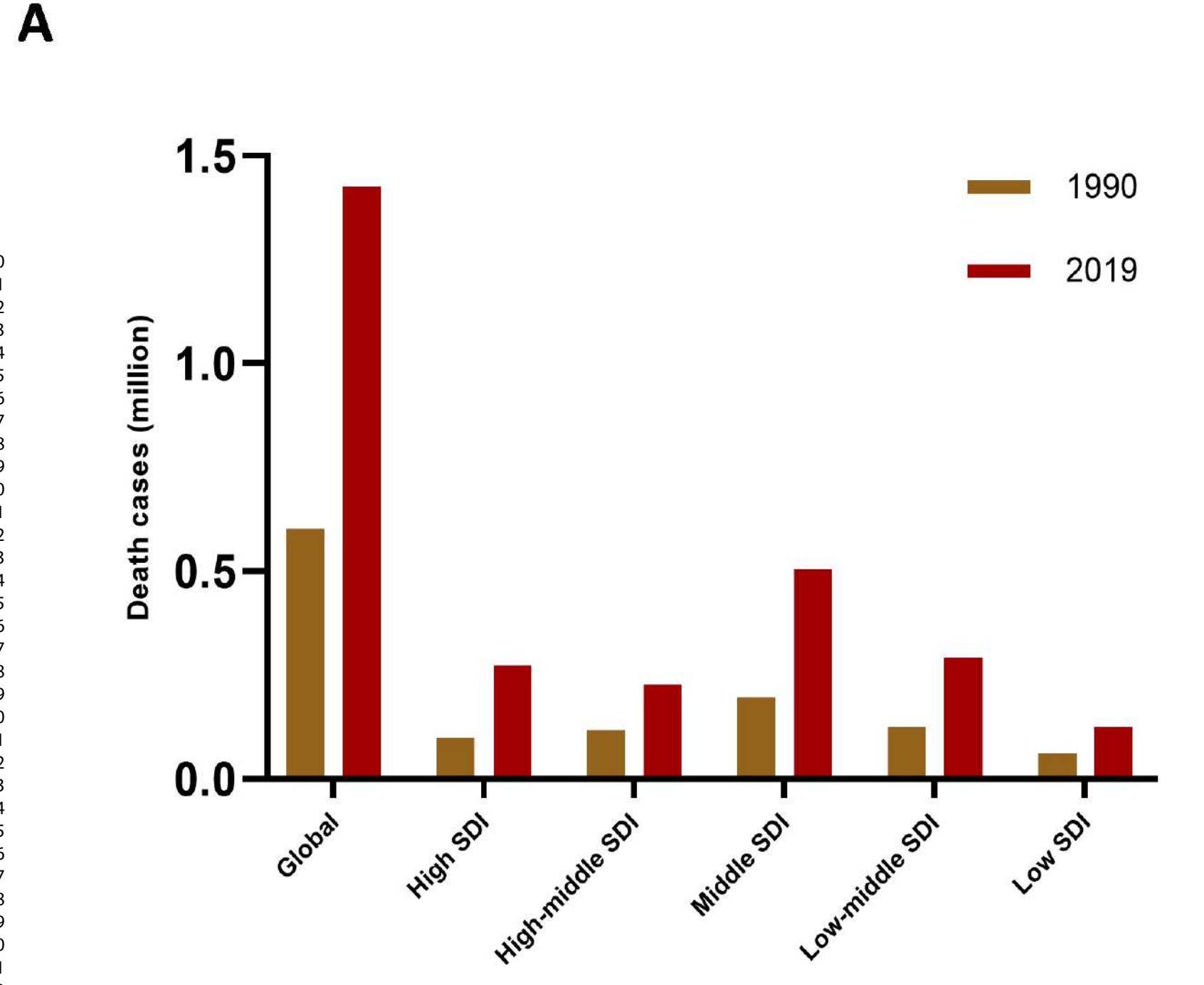
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17 563 **figure 2.** Sex differences and trends of CKD deaths and ASDR from 1990 to 2019.  
18 564 (A) The ASDRs in males and females globally from 1990 to 2019. (B) Death cases  
19 565 ratio between females to males (left) and ASDR ratio between females to males  
20 566 (right), in global and SDI areas in 1990 and 2019. (C) Gender composition of death  
21 567 cases and ASDR in global and SDI areas in 1990 and 2019. (D) Death cases ratio  
22 568 between females to males (left) and ASDR ratio between females to males (right) in  
23 569 204 countries and territories in 2019. ASDR, age-standardized death rate (per 100,000  
24 570 population).

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29 571 **figure 3.** The distribution of CKD death cases and rates in age groups, SDI areas and  
30 572 21 geographic regions from 1990 to 2019. (A) Death cases in age groups in global and  
31 573 SDI areas from 1990 to 2019. (B) The change percentage of death cases (right) and  
32 574 rate (left) in age groups from 1990 to 2019. (C) Six age groups as percentages of total  
33 575 deaths in global, SDI areas and 21 geographic regions in 1990 and 2019. (D) Gender  
34 576 composition of death in global and SDI areas in 2019.

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38 577 **figure 4.** Predominant contribution of risk factors to CKD-related deaths in global and  
39 578 SDI areas. (A) Death cases and ASDRs attributed to main risk factors by SDI region  
40 579 from 1990 to 2019. (B) The ASDRs trends in SDI regions attributed to each main risk  
41 580 factor. (C) Proportions of deaths in global and SDI regions attributed to each risk  
42 581 factors in 2019. ASDR, age-standardized death rate (per 100,000 population).

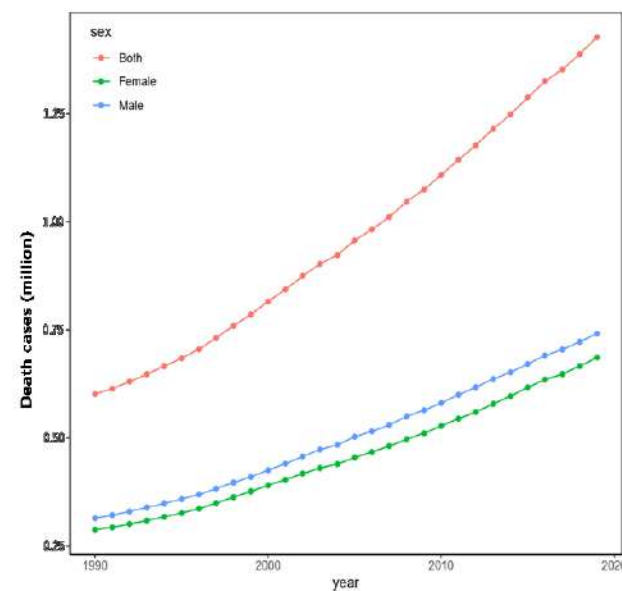
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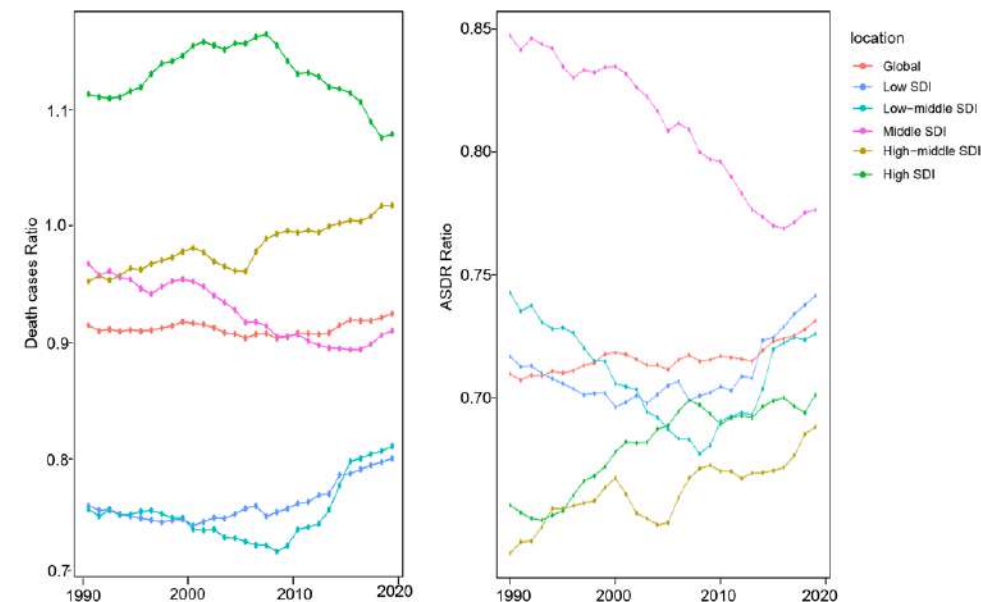




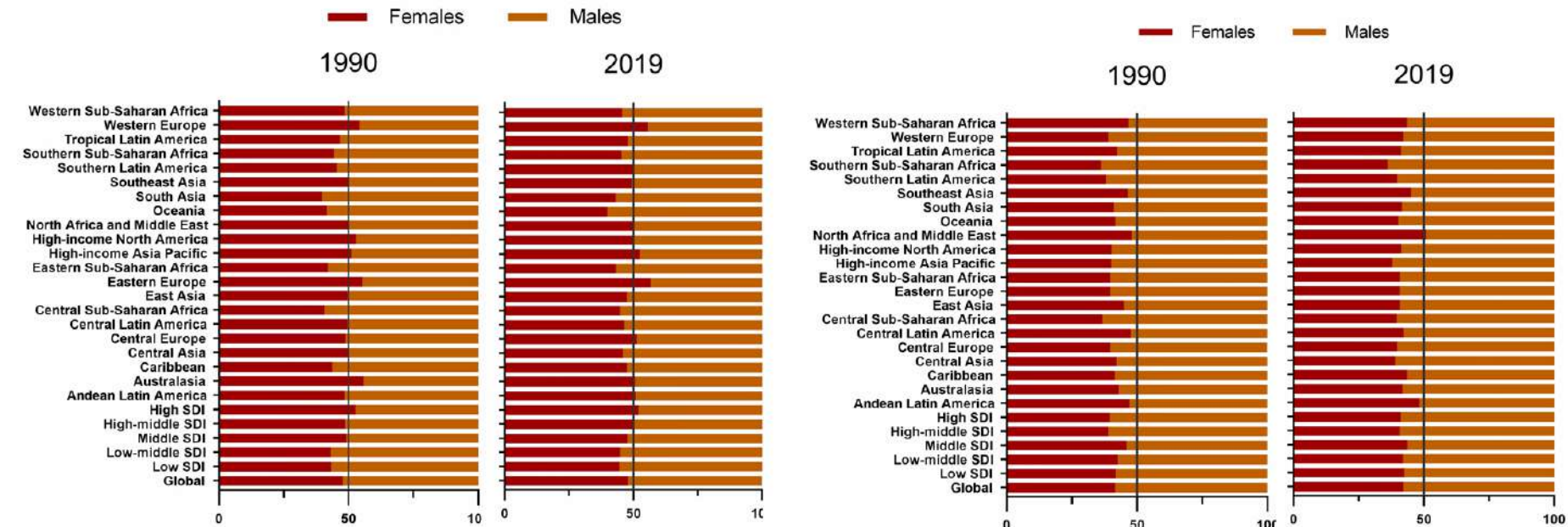
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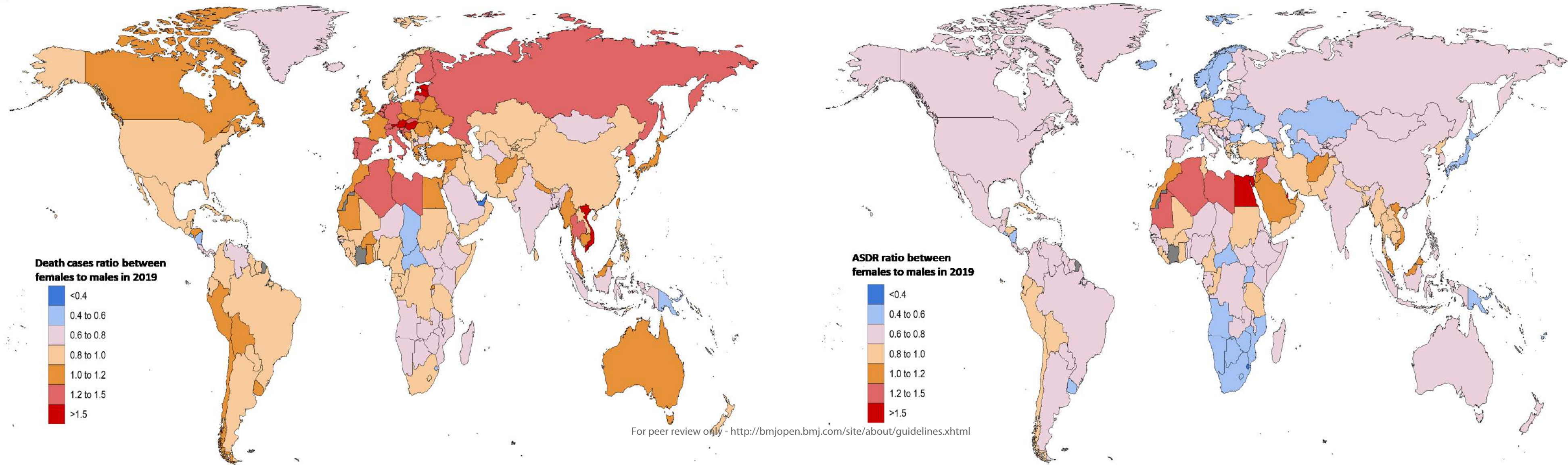
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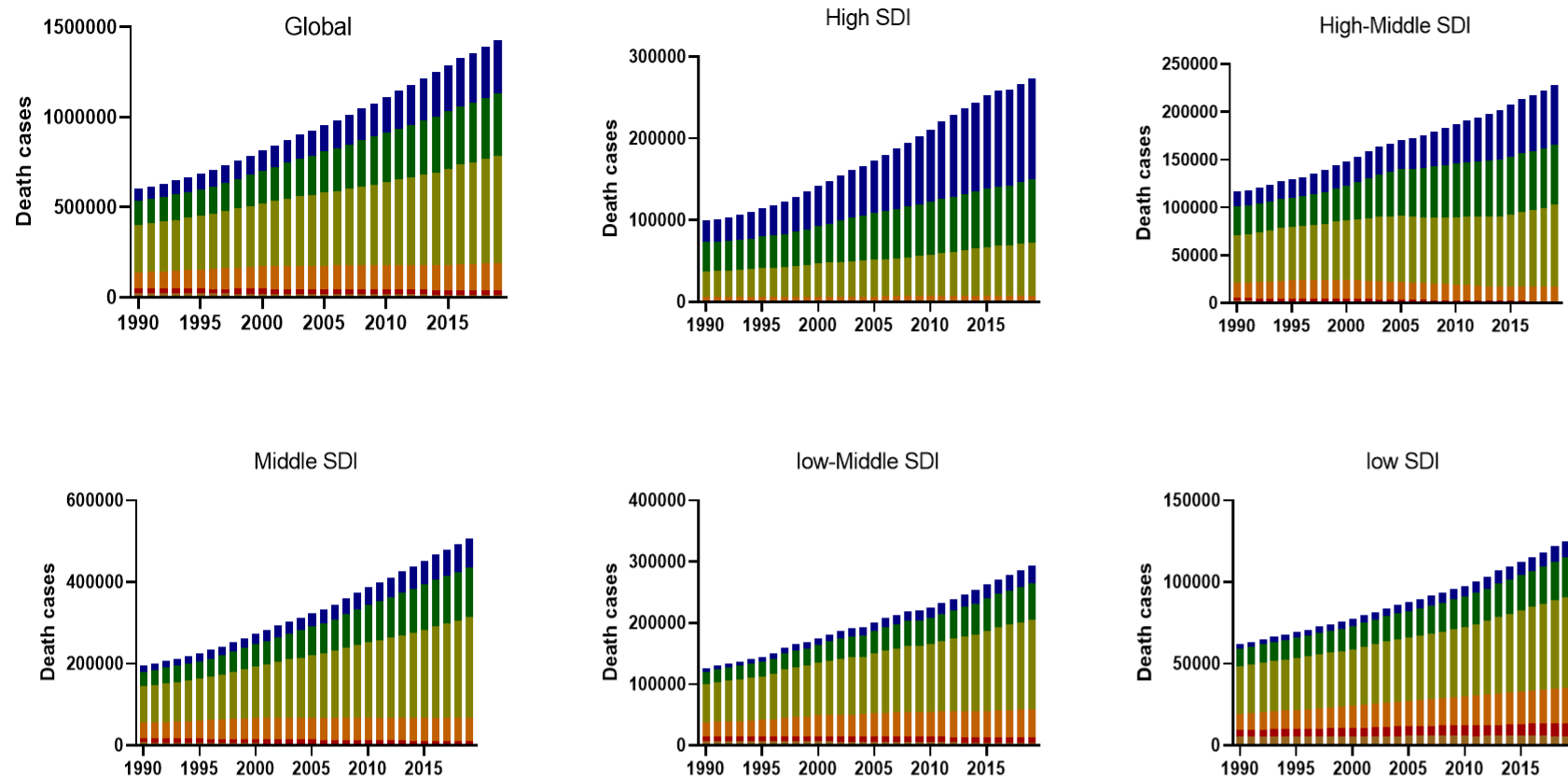


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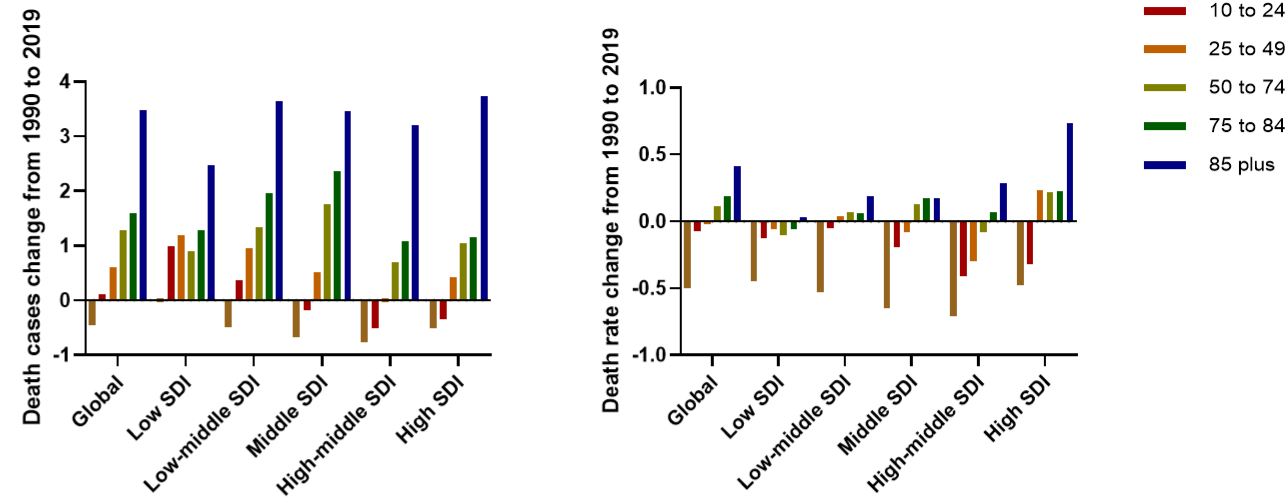




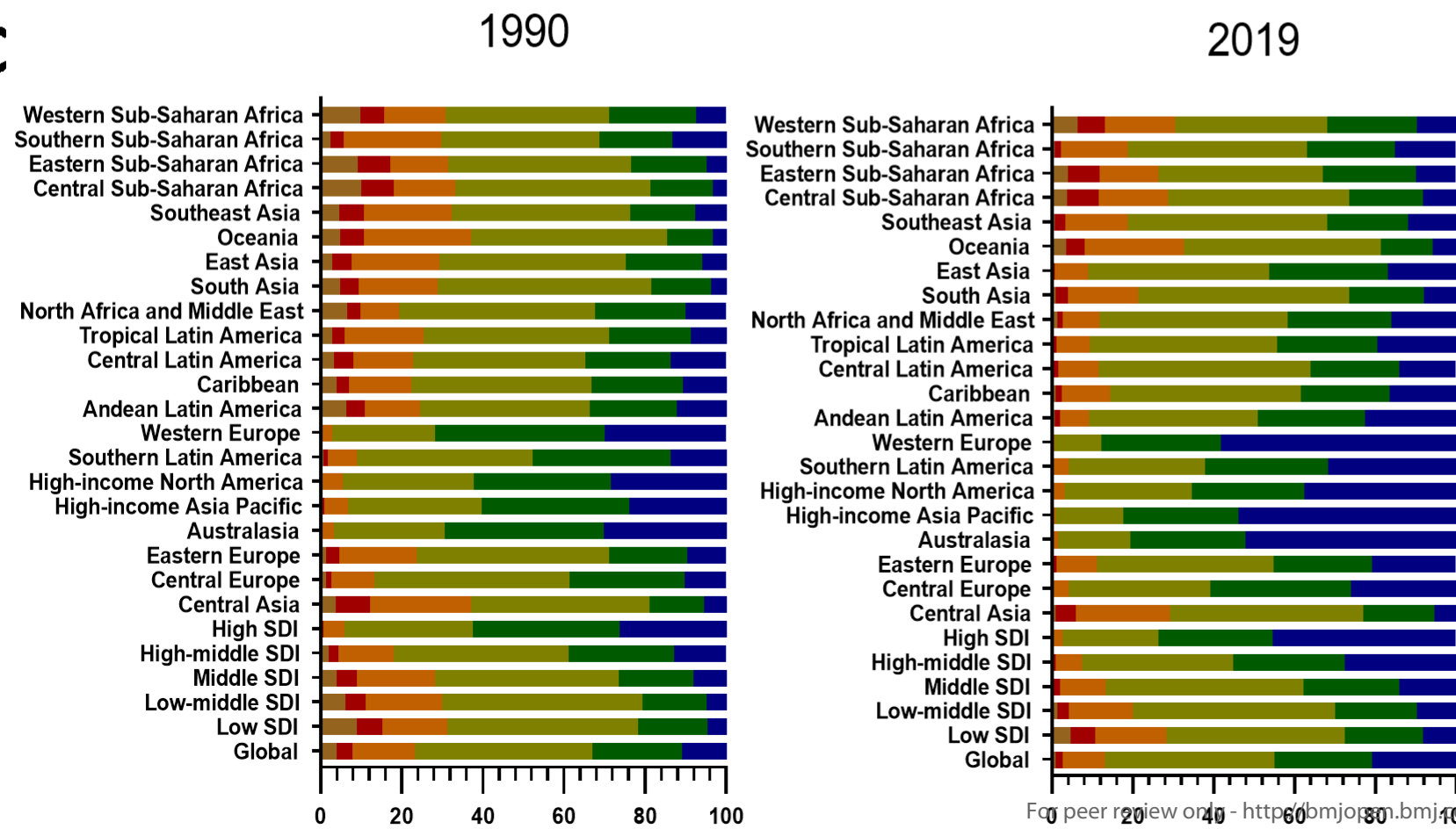
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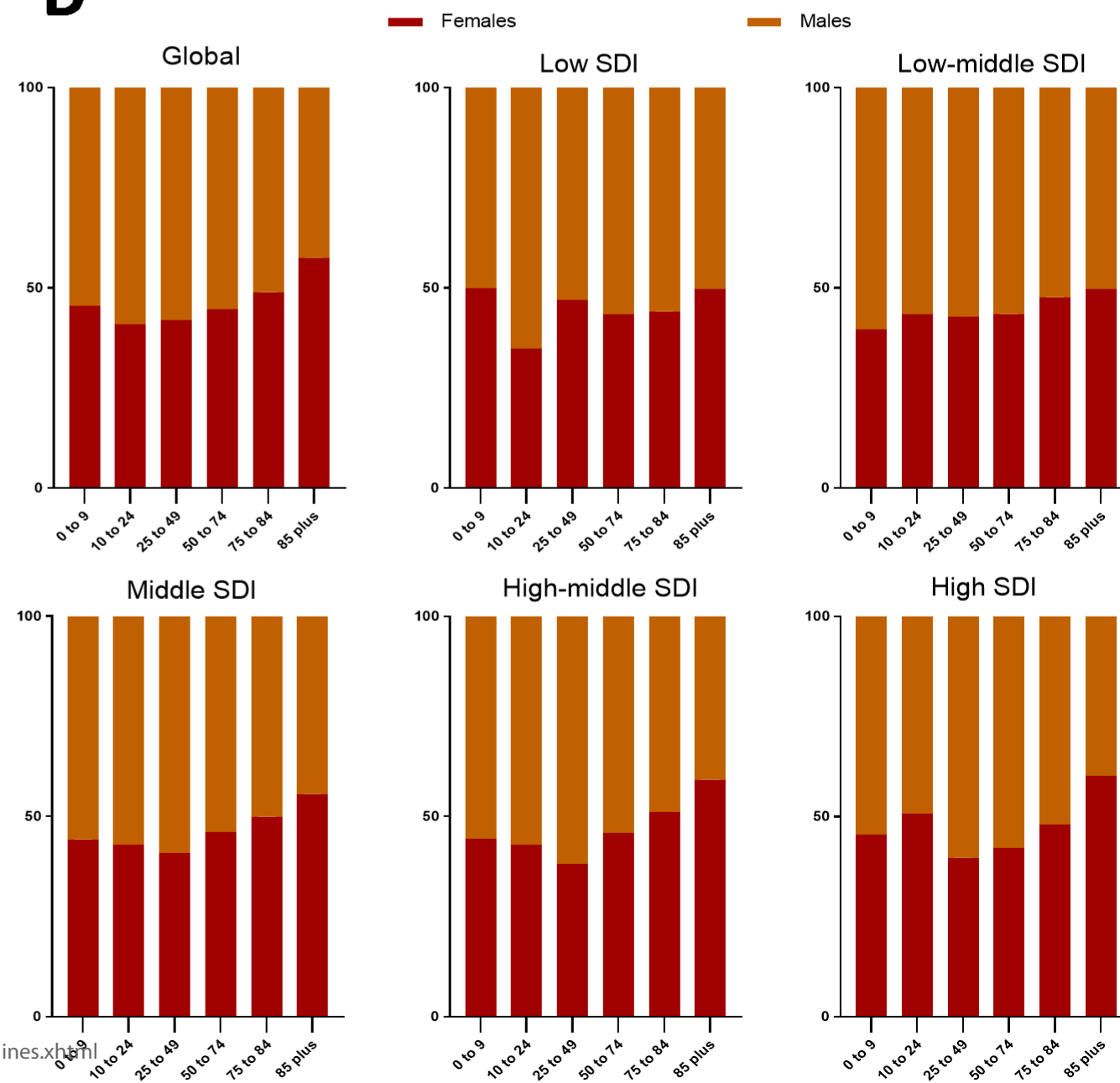
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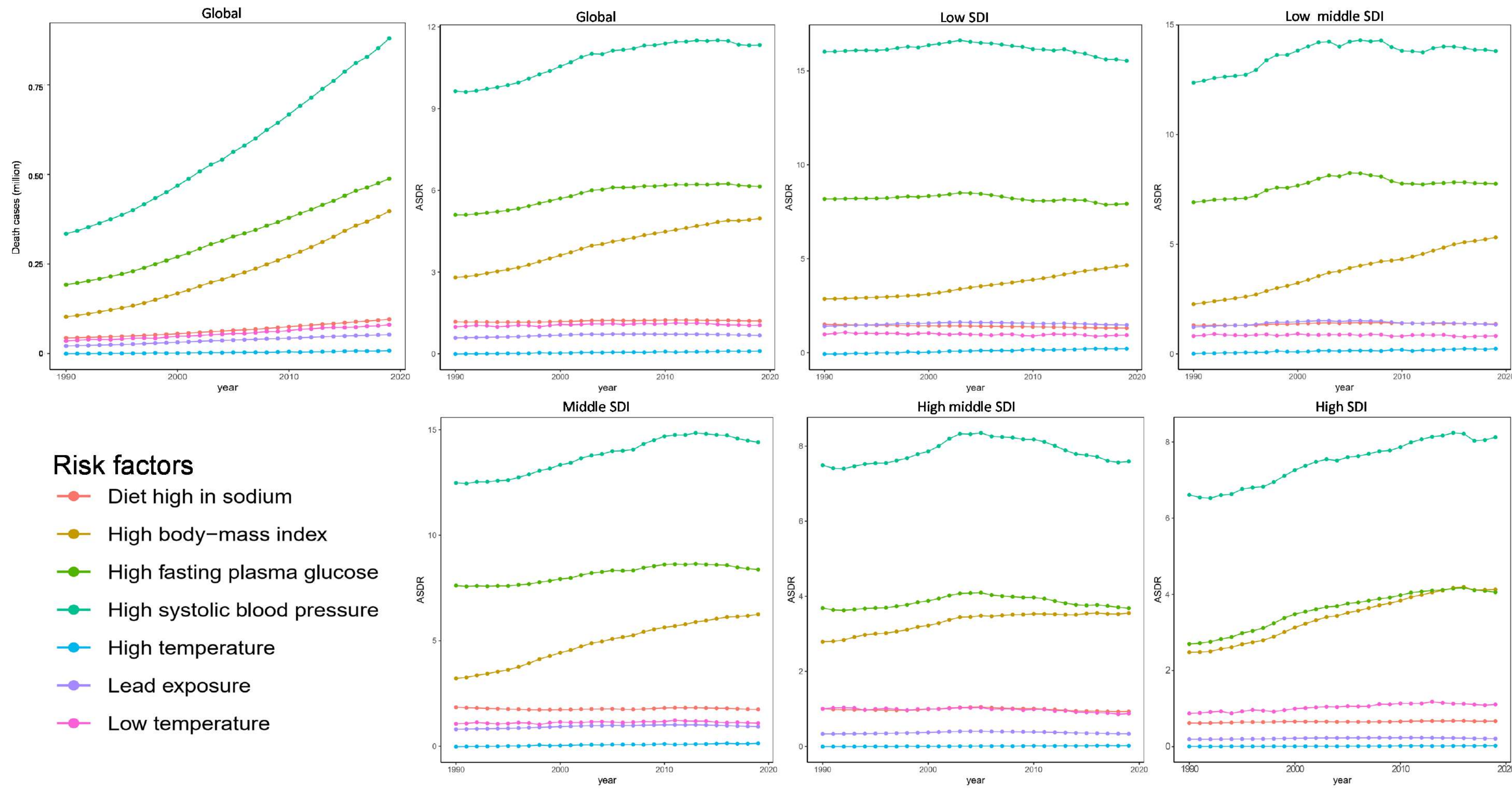
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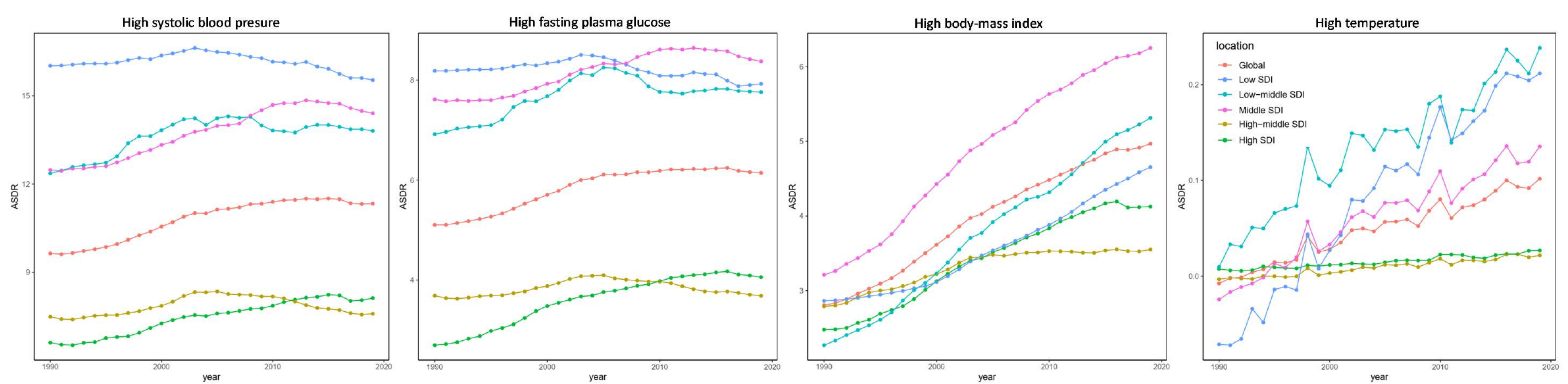
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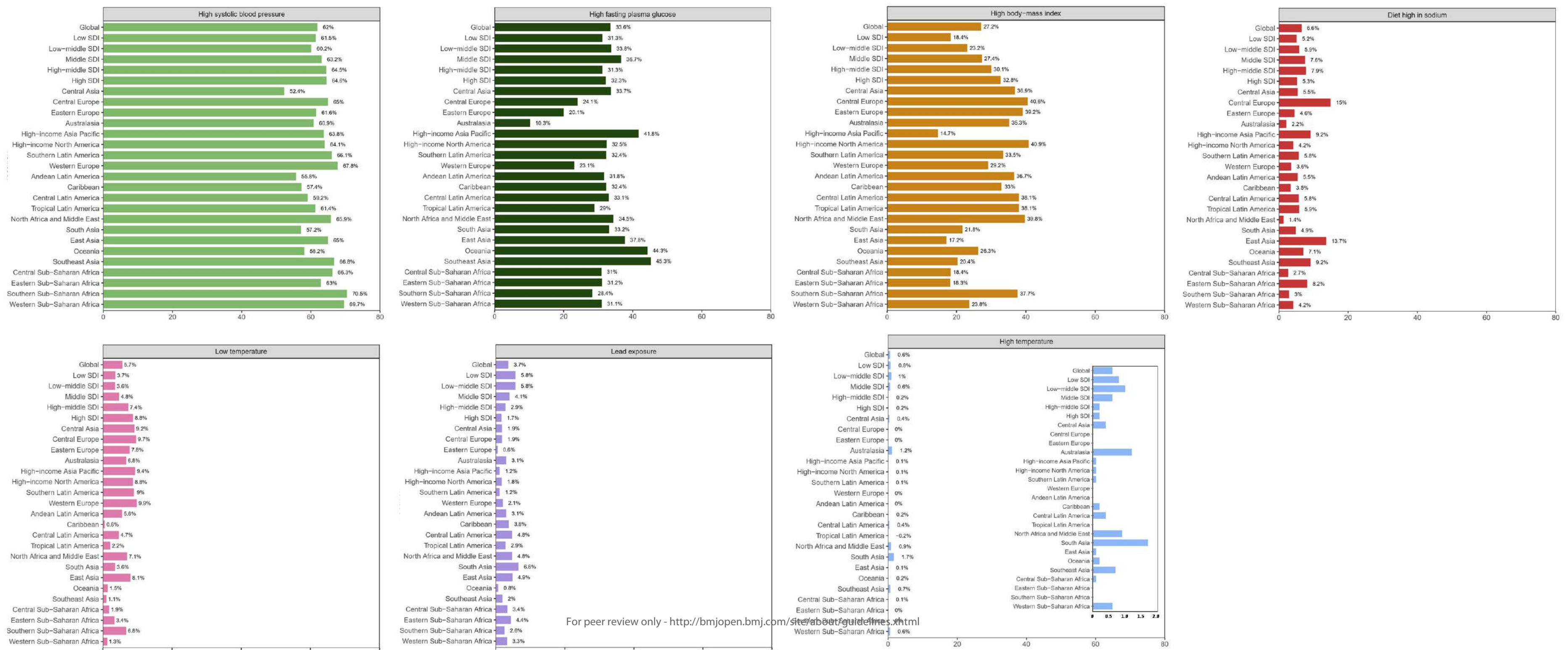
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# Global Death Burden of Chronic Kidney Disease from 1990 to 2019

**Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.**

**Supplemental figure 2. The rank change of death numbers, ASDR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 3. Temporal trends of ASDR, ASIR, ASPR, ASR-DALYs, ASR-YLLs and ASR- YLDs of CKD by genders from 1990 to 2019. DALYs, disability-adjusted life years. YLLs, years of life lost prematurely. YLDs, years lived with disability. ASDR, age-standardized death rate (per 100,000 population). ASPR, age-standardized prevalence rate (per 100,000 population). ASIR, age-standardized incidence rate (per 100,000 population). ASR-DALYs, age-standardized DALYs rate (per 100,000 population). ASR-YLLs, age-standardized YLLs rate (per 100,000 population). ASR-YLDs, age-standardized YLDs rate (per 100,000 population).**

**Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.**

**Supplemental figure 5. The proportions of death numbers in India, China and America in global.**

**Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends**

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5 **from 1990 to 2019 in global and regions.**  
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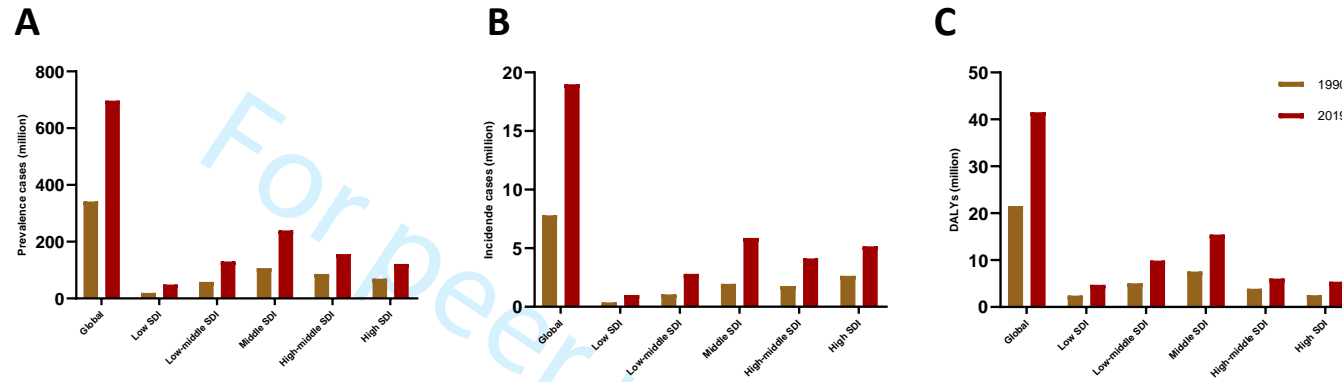
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8 **Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
9 **1990 to 2019 in global and regions.**  
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12 **Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from**  
13 **1990 to 2019 in global and regions.**  
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17 **Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019**  
18 **in 204 countries.**  
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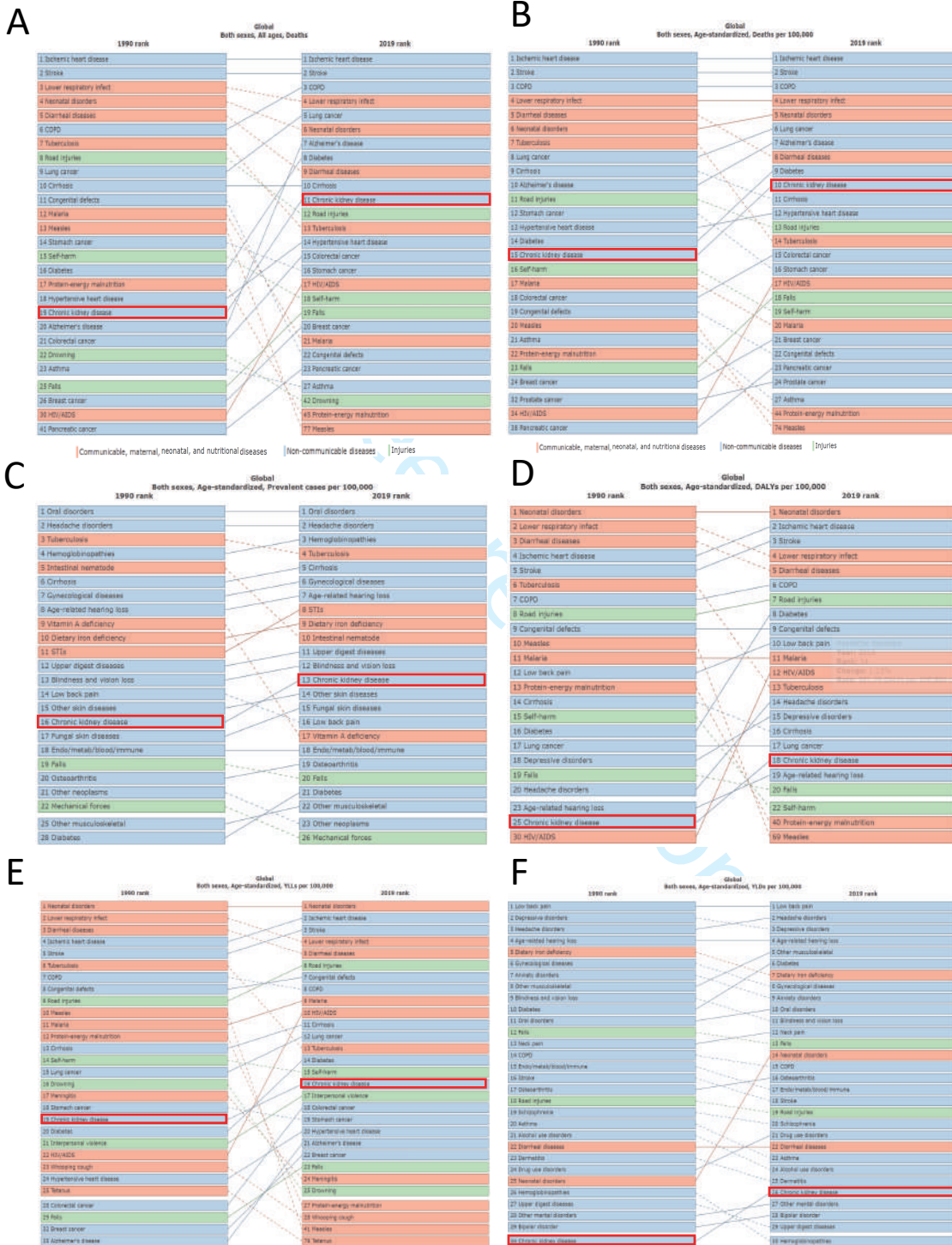
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21 **Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic**  
22 **regions from 1990 to 2019 in 21 regions.**  
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26 **Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries**  
27 **and territories from 1990 to 2019 in 204 countries.**  
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Supplemental figure 1. Numbers of prevalence, incidence and DALYs of CKD in global and SDI areas in 1990 and 2019. DALYs, disability-adjusted life years.





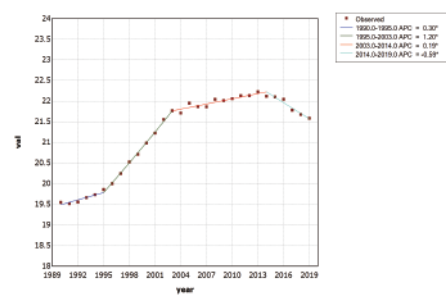
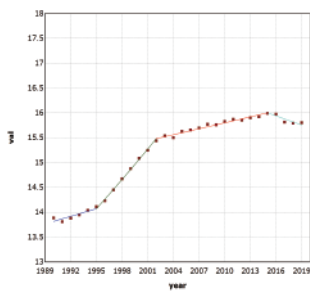
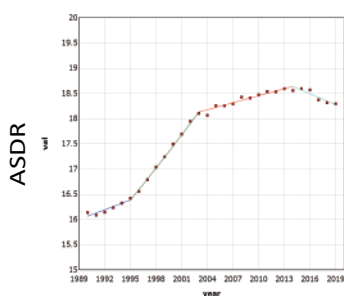
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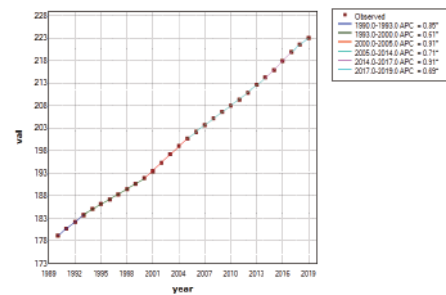
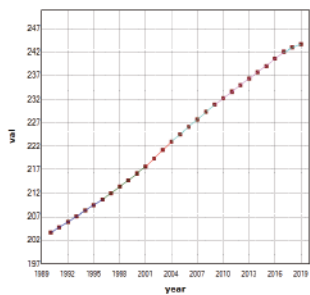
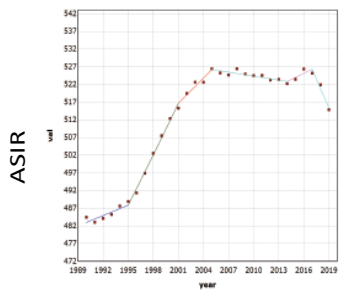
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 3 Joinkpoints.

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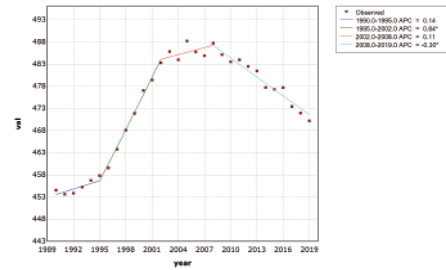
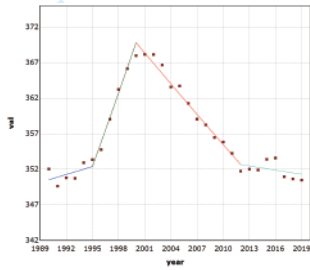
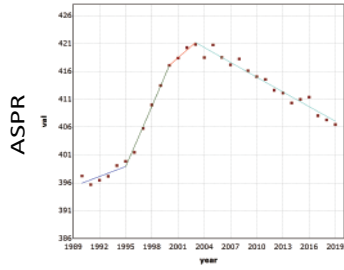
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\*Indicates that the Annual Percent Change (APC) is significantly different from zero at the alpha = 0.05 level. Final Selected Model: 5 Joinkpoints.

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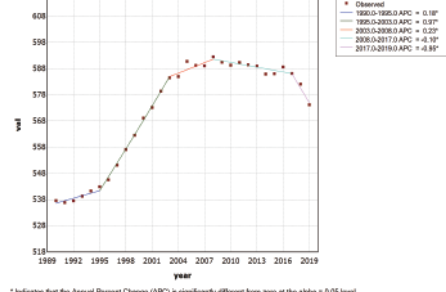
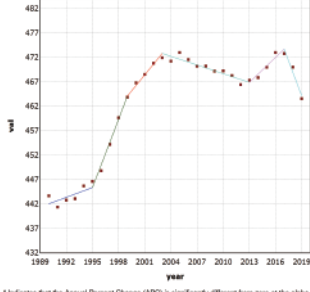
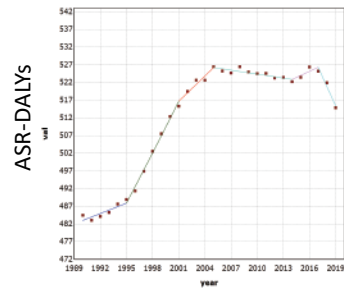
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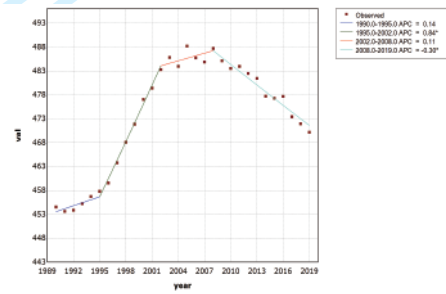
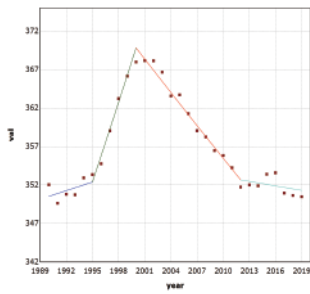
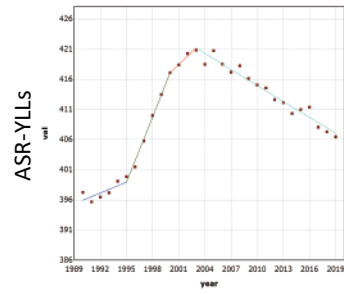
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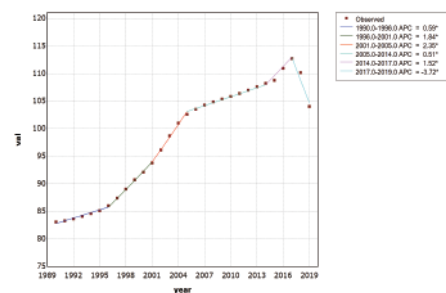
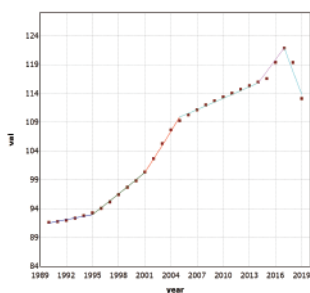
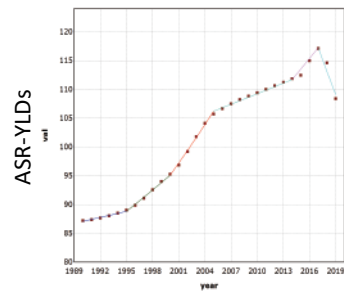
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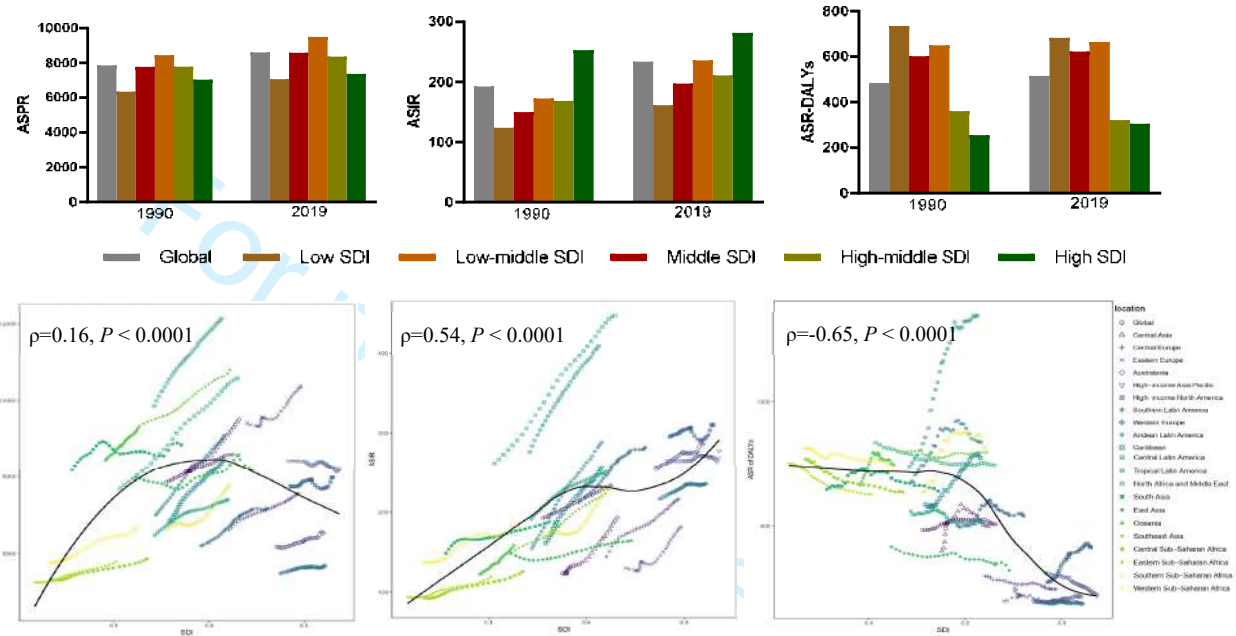


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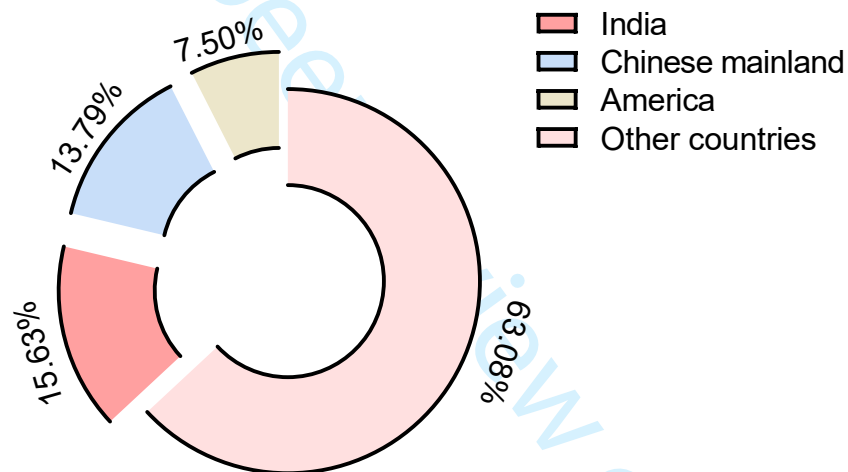
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Supplemental figure 4. Relationship between ASR of prevalence, incidence and DALYs, with SDI from 1990 to 2019.



Supplemental figure 5. The proportions of death numbers in India, China and America in global.

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**Supplemental table 1. Prevalence cases and age-standardized prevalence rate (ASPR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in global and regions.**

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Characteristics	1990		2019		1990-2019
	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	Prevalence cases (*10 <sup>6</sup> )	ASPR per 100,000	EAPC of ASPR (95% CI)
	(95% UI)	population (95% UI)	(95% UI)	population (95% UI)	
Global	341.67 (316.59-366.107.7)	7855.83 (7300.33-8372.66)	697.29 (650.05-741080.75)	8596.21 (8015.74-9125.28)	0.32 (0.32 to 0.33)
<b>Gender</b>					
Males	153.14 (141.72-164.63)	7349.01 (6823.3-7842.18)	314.32 (292.96-334.84)	8109.77 (7572.96-8608.03)	0.69 (0.68 to 0.7)
Females	188.52 (174.87-201.34)	8305.89 (7710.48-8854.59)	382.98 (356.75-406.65)	9049.82 (8425.02-9616.13)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	19.74 (18.26-21321.4)	6338.15 (5882.6-6789.29)	48.7 (45.05-52510.46)	7057.41 (6568.24-7529.2)	0.34 (0.32 to 0.36)
Low-middle	58.61 (54.03-63338.25)	7766.83 (7198.66-8314.67)	130.15 (120.81-139501.25)	8579.86 (7996.24-9142.82)	0.25 (0.21 to 0.29)
Middle	107.24 (98.79-115911.52)	8440.84 (7808.66-9019.18)	239.88 (222.64-256277.84)	9491.19 (8838.42-10086.19)	0.48 (0.45 to 0.5)
High-middle	86.19 (79.75-92396.6)	7781.68 (7221.18-8317.69)	156.23 (145.42-166645.78)	8350.95 (7763.91-8901.8)	0.32 (0.29 to 0.34)
High	69.73 (64.86-74222.57)	7026.65 (6533.72-7475.58)	121.95 (114.53-129214.01)	7364.77 (6889.24-7796.06)	0.12 (0.09 to 0.14)
<b>21 GBD regions</b>					
Central Asia	4.45 (4.11-4803.7)	8137.03 (7524.1-8741.66)	8.15 (7.51-8784.58)	9524.26 (8802.23-10175.81)	0.59 (0.53 to 0.65)



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Central Europe	9.15 (8.44-9807.35)	6605.48 (6109.43-7070.96)	13.57 (12.65-14461.73)	7564.59 (7024.38-8040.5)	0.42 (0.4 to 0.44)
Eastern Europe	24.38 (22.55-26323.67)	9409.89 (8700.06-10160.11)	30.13 (27.96-32292.36)	10377.83 (9616.95-11142.47)	0.39 (0.34 to 0.44)
Australasia	1.41 (1.33-1487.37)	6177.9 (5831.64-6510.55)	2.95 (2.77-3128.02)	6532.01 (6133.49-6925.11)	0.22 (0.2 to 0.23)
High-income Asia Pacific	16.55 (15.42-17679.41)	8433.41 (7860.45-8971.08)	31 (29.12-32934.31)	8231.15 (7714.65-8729.32)	-0.1 (-0.12 to -0.08)
High-income North America	26.23 (24.33-28067.57)	7750.33 (7175.26-8252.76)	43.98 (41.11-46803.08)	7982.58 (7433.75-8484.6)	0.03 (-0.02 to 0.08)
Southern Latin America	2.85 (2.66-3038.14)	6199.61 (5786.14-6591)	5.72 (5.38-6077.58)	7174.32 (6750.95-7629.01)	0.54 (0.49 to 0.59)
Western Europe	29.05 (27.04-30993.2)	5488.94 (5116.7-5832.82)	45.44 (42.65-48233.7)	5690.53 (5326.14-6020.93)	0.08 (0.06 to 0.1)
Andean Latin America	1.76 (1.52-2061.21)	7004.76 (6076.38-8070.59)	5.32 (4.71-6069.48)	9101.2 (8067.32-10290.91)	0.93 (0.91 to 0.94)
Caribbean	1.97 (1.84-2108.93)	6840.61 (6371.07-7299.12)	4.29 (4.03-4568.68)	8457.06 (7927.23-8994.33)	0.74 (0.7 to 0.78)
Central Latin America	10.31 (9.55-11027.08)	9865 (9168.77-10521.68)	29.53 (27.68-31265.59)	12139.27 (11377.05-12843.88)	0.68 (0.64 to 0.71)
Tropical Latin America	7.08 (6.58-7550.26)	6482.97 (6054.23-6886)	17.9 (16.76-18992.36)	7399.15 (6923.65-7835.63)	0.42 (0.39 to 0.45)
North Africa and Middle East	15.77 (14.73-16764.82)	7697.07 (7182.72-8168.78)	49.8 (46.52-52818.54)	10589.67 (9930.4-11229.54)	1.17 (1.13 to 1.22)
South Asia	60.22 (55.46-65289.02)	8186.89 (7582.95-8782.32)	139.51 (128.99-150327.5)	8847.66 (8206.45-9453.58)	0.11 (0.03 to 0.18)
East Asia	82.94 (76.25-90185.75)	7989.69 (7377.2-8599.68)	156.84 (144.51-169062.38)	8180.65 (7568.21-8798.3)	0.29 (0.2 to 0.37)
Oceania	0.36 (0.33-391.33)	8440.17 (7784.51-9111.81)	0.9 (0.82-974.96)	9296.4 (8596.13-9971.06)	0.3 (0.29 to 0.31)

Southeast Asia	31.01 (28.51-33656.96)	9351.48 (8661.82-10057.66)	71.14 (65.94-76348.22)	10803.4 (10057.32-11534.34)	0.5 (0.49 to 0.52)
Central Sub-Saharan Africa	1.69 (1.55-1841.1)	5306.9 (4899.19-5732.96)	4.52 (4.16-4907.57)	5867.73 (5434.29-6284.81)	0.36 (0.32 to 0.39)
Eastern Sub-Saharan Africa	5.54 (5.12-5997.22)	5254.32 (4862.09-5638.51)	13.92 (12.84-15065.98)	5800.09 (5395.2-6210.24)	0.36 (0.33 to 0.38)
Southern Sub-Saharan Africa	2.3 (2.13-2464.83)	6633.49 (6172.65-7075.02)	5.02 (4.66-5366.22)	7769.91 (7260.61-8261.86)	0.53 (0.45 to 0.61)
Western Sub-Saharan Africa	6.64 (6.16-7139.44)	5768.63 (5363.39-6151.96)	17.67 (16.4-18953.01)	6678.91 (6225.96-7102.83)	0.56 (0.52 to 0.59)

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**Supplemental table 2. Incidence cases and age-standardized incidence rate (ASIR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in global and regions.**

For peer review only

Characteristics	1990		2019		1990-2019
	Incidence cases (*10 <sup>6</sup> )	ASIR per 100,000	Incidence cases (*10 <sup>6</sup> )	ASIR per 100,000	EAPC of ASIR (95% CI)
	(95% UI)	population (95% UI)	(95% UI)	population (95% UI)	
Global	7.8 (7.17-8485.39)	192.45 (177.31-209.05)	18.99 (17.56-20518.16)	233.65 (216.56-252.31)	0.69 (0.68 to 0.7)
<b>Gender</b>					
Males	3.36 (3.09-3.65)	179.21 (164.8-194.74)	8.51 (7.84-9.23)	223.02 (206.07-241.18)	0.69 (0.68 to 0.7)
Females	4.44 (4.08-4.84)	203.64 (187.5-221.38)	10.47 (9.7-11.32)	243.63 (225.94-262.66)	0.69 (0.68 to 0.7)
<b>Sociodemographic index</b>					
Low	0.37 (0.34-398.17)	123.72 (114.25-133.97)	1.01 (0.93-1085.2)	161.24 (148.07-175.64)	0.95 (0.92 to 0.99)
Low-middle	1.05 (0.97-1139.39)	149.68 (137.38-162.87)	2.81 (2.58-3056.52)	197.07 (181.51-214.36)	0.91 (0.87 to 0.95)
Middle	1.95 (1.79-2127.2)	172.4 (157.74-188.79)	5.87 (5.4-6373.37)	235.71 (218.23-254.87)	1.17 (1.14 to 1.2)
High-middle	1.78 (1.63-1952.09)	168.37 (154.83-183.45)	4.13 (3.8-4493.35)	210.65 (194.34-228.37)	0.89 (0.86 to 0.92)
High	2.64 (2.41-2883.51)	252.66 (232.46-274.36)	5.15 (4.75-5569.87)	281.67 (260.21-303.81)	0.28 (0.24 to 0.32)
<b>21 GBD regions</b>					
Central Asia	0.07 (0.06-75.25)	123.99 (113.45-135.88)	0.16 (0.15-178.53)	193.3 (176.73-211.27)	1.69 (1.52 to 1.87)

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6	Central Europe	0.21 (0.19-229.95)	144.36 (131.43-158.87)	0.44 (0.4-481.17)	216.5 (197.99-236.75)	1.21 (1.12 to 1.3)
7						
8	Eastern Europe	0.34 (0.3-370.22)	130.48 (119.44-142.71)	0.54 (0.49-599.18)	181.85 (166.07-199.03)	1.32 (1.15 to 1.49)
9						
10	Australasia	0.06 (0.06-65.23)	254.5 (240.37-269.78)	0.14 (0.13-153.73)	286.14 (264.78-308.93)	0.37 (0.33 to 0.41)
11						
12	High-income Asia Pacific	0.53 (0.49-577.29)	265.13 (244.47-287.79)	1.21 (1.11-1315.46)	277.51 (255.67-300.82)	0.08 (0.04 to 0.13)
13						
14	High-income North America	1.04 (0.94-1140.52)	295.47 (270.34-323.33)	1.89 (1.73-2062.59)	310.44 (284.74-336.3)	0.03 (-0.05 to 0.12)
15						
16	Southern Latin America	0.1 (0.09-106.64)	211.66 (193.13-230.93)	0.23 (0.22-253.7)	282.02 (260.12-304.6)	1.02 (0.93 to 1.1)
17						
18	Western Europe	1.28 (1.16-1410.45)	216.75 (198.62-236.36)	2.16 (1.99-2344.51)	235.6 (216.93-254.91)	0.25 (0.2 to 0.3)
19						
20	Andean Latin America	0.04 (0.03-38.3)	154.8 (142.57-167.62)	0.16 (0.15-175.89)	288.34 (264.91-311.21)	2.2 (2.09 to 2.3)
21						
22	Caribbean	0.04 (0.04-48.74)	161.46 (148.31-176.22)	0.13 (0.12-141.71)	256.39 (237.73-277)	1.58 (1.48 to 1.68)
23						
24	Central Latin America	0.27 (0.25-292.01)	276.65 (252.64-304.54)	0.99 (0.93-1060.8)	409.61 (383.06-437.91)	1.29 (1.21 to 1.36)
25						
26	Tropical Latin America	0.19 (0.18-210.14)	191.28 (176.52-209.33)	0.6 (0.56-655.92)	250.85 (233.24-272.18)	0.89 (0.82 to 0.96)
27						
28	North Africa and Middle East	0.51 (0.47-550.25)	261.9 (240.97-285.91)	2.03 (1.88-2202.72)	447.48 (415.13-482.83)	1.97 (1.87 to 2.08)
29						
30	South Asia	1.01 (0.93-1104.53)	148.9 (136.4-162.57)	2.67 (2.43-2918.85)	181.87 (165.91-198.75)	0.61 (0.54 to 0.68)
31						
32	East Asia	1.33 (1.21-1465.64)	148.49 (135.05-163.27)	3.27 (2.98-3599.05)	164.52 (150.62-179.18)	0.61 (0.51 to 0.7)
33						
34	Oceania	0 (0-5.25)	122.53 (112.38-133.56)	0.01 (0.01-14.89)	158.68 (145.3-172.89)	0.79 (0.74 to 0.84)
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6	Southeast Asia	0.45 (0.42-491.19)	152.65 (140.55-165.93)	1.43 (1.31-1547.89)	227.98 (210.24-246.38)	1.4 (1.37 to 1.44)
7						
8	Central Sub-Saharan Africa	0.03 (0.03-30.16)	93.07 (86.17-100.24)	0.08 (0.08-89.02)	125.99 (115.7-136.67)	1.11 (1.01 to 1.2)
9						
10	Eastern Sub-Saharan Africa	0.09 (0.09-99.99)	94.39 (87.18-102.21)	0.24 (0.22-258.06)	119.54 (109.76-130.11)	0.86 (0.78 to 0.93)
11						
12						
13	Southern Sub-Saharan Africa	0.05 (0.05-57.56)	168.63 (154.1-184.7)	0.14 (0.13-149.6)	231.14 (212.43-251.73)	1.04 (0.85 to 1.23)
14						
15	Western Sub-Saharan Africa	0.16 (0.15-168.99)	137.2 (126.96-148.29)	0.44 (0.41-470.76)	181.8 (167.29-197.54)	1.13 (1.01 to 1.24)
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**Supplemental table 3. DALYs and age-standardized DALYs rate (ASR-DALYs) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in global and regions.**

For peer review only

Characteristics	1990		2019		1990-2019
	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	DALYs (*10 <sup>6</sup> ) (95% UI)	ASR-DALYs per 100,000 population (95% UI)	EAPC of ASR-DALYs (95% CI)
Global	21.5 (20.04-23065.78)	484.46 (452.28-518.67)	41.54 (38.29-45037.86)	514.86 (474.91-558.86)	0.31 (0.23 to 0.38)
<b>Gender</b>					
Males	11.2 (10.4-12.15)	537.61 (499.52-580.01)	21.98 (20.14-23.97)	574.23 (527.52-625.27)	0.35 (0.27 to 0.43)
Females	10.3 (9.46-11.22)	443.69 (409.36-481.56)	19.56 (17.7-21.47)	463.61 (419.34-509.95)	0.21 (0.15 to 0.28)
<b>Sociodemographic index</b>					
Low	2.45 (2.18-2728.52)	734.23 (667.32-804.58)	4.73 (4.21-5276.93)	682.18 (615.56-752.04)	-0.24 (-0.28 to -0.21)
Low-middle	5.05 (4.56-5598.22)	649.9 (591.82-714.59)	9.91 (8.98-10820.22)	664.18 (603.21-723.92)	0.1 (0 to 0.21)
Middle	7.55 (7.02-8112.98)	601.87 (560.14-645.51)	15.44 (14.17-16837.37)	621.93 (570.74-676.64)	0.27 (0.21 to 0.33)
High-middle	3.89 (3.6-4213.22)	360.16 (332.75-390.43)	6.05 (5.49-6665.14)	320.68 (290.18-353.73)	-0.36 (-0.46 to -0.27)
High	2.54 (2.33-2787.23)	254.32 (232.26-279.43)	5.38 (4.87-5884.31)	304.13 (274.09-335.44)	0.8 (0.72 to 0.89)
<b>21 GBD regions</b>					
Central Asia	0.23 (0.22-256.33)	397.89 (367.64-442.65)	0.43 (0.39-481.73)	506.72 (456.51-562.2)	0.48 (0.16 to 0.79)



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6	Central Europe	0.41 (0.38-437.53)	297.3 (278.39-317.88)	0.46 (0.4-523.54)	243.84 (212.01-278.04)	-0.62 (-0.69 to -0.55)
7						
8	Eastern Europe	0.49 (0.45-547.25)	197 (177.48-218.85)	0.56 (0.49-638.34)	196.77 (170.51-224.02)	-0.51 (-0.73 to -0.28)
9						
10	Australasia	0.04 (0.04-48.98)	196.75 (180.03-215.38)	0.1 (0.09-115.71)	214.3 (191.2-238.39)	0.45 (0.4 to 0.5)
11						
12	High-income Asia Pacific	0.59 (0.55-642.57)	310.61 (285.7-334.9)	0.96 (0.84-1067.61)	218.58 (192.71-243.9)	-1.16 (-1.21 to -1.1)
13						
14	High-income North America	0.93 (0.85-1032.34)	273.54 (247.51-303.34)	2.42 (2.22-2641.09)	413.63 (379.73-450.68)	1.69 (1.51 to 1.88)
15						
16	Southern Latin America	0.23 (0.22-245.13)	501.82 (472.93-530.86)	0.44 (0.41-472.11)	540.08 (500.88-579.63)	0.25 (0.02 to 0.48)
17						
18	Western Europe	1.08 (0.99-1188.03)	197.18 (179.66-216.97)	1.75 (1.56-1921.1)	186.58 (166.88-208.38)	-0.04 (-0.09 to 0.02)
19						
20	Andean Latin America	0.18 (0.17-196.15)	680.42 (626.59-742.08)	0.48 (0.4-564.87)	836.34 (704.25-981.59)	0.84 (0.59 to 1.1)
21						
22	Caribbean	0.17 (0.16-189.99)	587 (541.65-647.03)	0.39 (0.34-454.01)	774.89 (668-896.08)	1.32 (1.22 to 1.42)
23						
24	Central Latin America	0.78 (0.72-840.29)	739.23 (689.04-794.6)	3.28 (2.92-3697.82)	1348.14 (1203.58-1521.61)	2.3 (2.01 to 2.59)
25						
26	Tropical Latin America	0.61 (0.58-650.99)	559.23 (528.14-592.5)	1.24 (1.15-1332.95)	513.36 (476.05-553.4)	-0.37 (-0.46 to -0.29)
27						
28	North Africa and Middle East	1.77 (1.62-1930.04)	834.93 (762.27-947.15)	3.38 (2.92-3897.91)	744.36 (646.14-851.75)	-0.37 (-0.43 to -0.31)
29						
30	South Asia	4.69 (4.05-5324.9)	647.1 (557.75-731.83)	9.89 (8.8-11052.83)	640.65 (568.76-715.48)	-0.06 (-0.24 to 0.11)
31						
32	East Asia	4.2 (3.73-4664.95)	416.47 (371.77-461.55)	6.21 (5.36-7049.94)	320.44 (277.88-362.19)	-0.58 (-0.68 to -0.48)
33						
34	Oceania	0.03 (0.02-32.15)	664.24 (581.19-758.07)	0.07 (0.06-83.48)	747.22 (629.25-880.16)	0.27 (0.09 to 0.44)
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6	Southeast Asia	2.7 (2.49-2945.17)	806.56 (741.95-875.79)	5.11 (4.61-5673.54)	796.69 (720.03-881.21)	-0.02 (-0.07 to 0.03)
7						
8	Central Sub-Saharan Africa	0.26 (0.22-303.29)	769.07 (656.59-891.05)	0.46 (0.37-563.41)	635.98 (510.34-766.78)	-0.73 (-0.77 to -0.7)
9						
10	Eastern Sub-Saharan Africa	0.84 (0.71-949.63)	752.43 (668.49-837.88)	1.4 (1.21-1581.03)	626.45 (557.9-698.14)	-0.73 (-0.77 to -0.69)
11						
12	Southern Sub-Saharan Africa	0.22 (0.2-249.55)	636.93 (576.23-723.35)	0.5 (0.45-545.96)	803.81 (733.62-878.51)	0.94 (0.63 to 1.25)
13						
14	Western Sub-Saharan Africa	1.03 (0.87-1218.24)	813.99 (702.78-957.03)	2.01 (1.67-2371.3)	738.79 (627.78-857.08)	-0.27 (-0.3 to -0.23)
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**Supplemental table 4. Deaths and age-standardized death rate (ASDR) of chronic kidney disease in 1990 and 2019, and the temporal trends from 1990 to 2019 in 204 countries.**

location	Death cases in 1990 (*10 <sup>3</sup> )	ASDR in 1990 (per 100,000 population)	Death cases in 2019 (*10 <sup>3</sup> )	ASDR in 2019 (per 100,000 population)	EAPC of ASDR from 1990 to 2019
Afghanistan	3.71 (2.82-5.06)	55.94 (42.01-81.56)	5.64 (4.33-7.92)	49.37 (37.14-74.78)	-0.33 (-0.37 to -0.28)
Albania	0.24 (0.22-0.26)	11.53 (10.65-12.4)	0.33 (0.25-0.42)	8.24 (6.22-10.66)	-1.1 (-1.34 to -0.86)
Algeria	3.56 (2.74-4.96)	38.73 (30.35-52.07)	8.2 (6.35-10.89)	31.57 (24.78-41.16)	-0.5 (-0.67 to -0.33)
American Samoa	0.01 (0.01-0.01)	40.55 (34.26-46.31)	0.03 (0.02-0.03)	59.34 (51.03-69)	1.41 (1.28 to 1.55)
Andorra	0 (0-0.01)	11.21 (8.79-14.36)	0.02 (0.01-0.02)	9.86 (7.46-12.24)	-0.39 (-0.57 to -0.2)
Angola	1.06 (0.76-1.34)	27.03 (19.77-33.28)	2.46 (1.73-3.16)	24.77 (17.36-31.37)	-0.37 (-0.42 to -0.33)
Antigua and Barbuda	0.01 (0.01-0.02)	26.3 (23.81-28.66)	0.04 (0.03-0.04)	39.05 (33.55-45.31)	1.69 (1.48 to 1.91)
Argentina	7.13 (6.72-7.54)	23.49 (22.02-24.9)	15.66 (14.21-17.05)	28.36 (25.83-30.9)	0.57 (0.27 to 0.88)
Armenia	0.07 (0.06-0.07)	3.03 (2.76-3.3)	0.45 (0.38-0.52)	11.35 (9.53-13.22)	4.65 (4.33 to 4.97)
Australia	1.71 (1.56-1.83)	9.49 (8.57-10.15)	5.21 (4.29-5.89)	10.75 (9.03-12.08)	0.62 (0.51 to 0.74)

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5	Austria	0.74 (0.68-0.79)	6.13 (5.62-6.53)	3.37 (2.86-3.73)	14.87 (12.79-16.36)	4.46 (3.94 to 4.98)
6						
7						
8	Azerbaijan	0.53 (0.47-0.59)	9.6 (8.55-10.9)	1.39 (1.16-1.63)	17.85 (14.56-20.65)	2.69 (2.23 to 3.16)
9						
10	Bahamas	0.04 (0.03-0.04)	24.48 (22.11-26.99)	0.11 (0.09-0.14)	30.35 (24.98-36.57)	1.14 (0.98 to 1.3)
11						
12						
13	Bahrain	0.04 (0.04-0.05)	38.45 (31.97-46.81)	0.18 (0.14-0.22)	34.82 (27.94-42.19)	-0.09 (-0.63 to 0.45)
14						
15						
16	Bangladesh	7.7 (5.05-9.75)	13.66 (10.12-16.55)	12.78 (10.18-15.68)	10.9 (8.74-13.31)	-0.56 (-0.91 to -0.2)
17						
18	Barbados	0.05 (0.05-0.06)	18.45 (17.07-19.95)	0.12 (0.1-0.14)	25.66 (21.37-30.06)	1.14 (0.93 to 1.35)
19						
20						
21	Belarus	0.28 (0.26-0.29)	2.32 (2.15-2.46)	0.5 (0.4-0.62)	3.2 (2.57-3.97)	1.48 (0.93 to 2.04)
22						
23	Belgium	1.42 (1.3-1.53)	9.13 (8.31-9.81)	2.96 (2.5-3.34)	9.89 (8.49-11.03)	0.38 (0.28 to 0.48)
24						
25						
26	Belize	0.02 (0.02-0.02)	22.74 (20.41-25.07)	0.11 (0.1-0.13)	40.49 (35.02-46.66)	2.2 (1.72 to 2.69)
27						
28						
29	Benin	0.75 (0.64-0.87)	35.15 (30.27-40.77)	1.58 (1.19-2.06)	32.41 (25.19-40.64)	-0.15 (-0.23 to -0.07)
30						
31	Bermuda	0.01 (0.01-0.01)	16.94 (15.52-18.34)	0.02 (0.02-0.02)	14.55 (12.11-17.38)	-0.18 (-0.35 to -0.01)
32						
33						
34	Bhutan	0.06 (0.04-0.08)	22.36 (14.86-31.31)	0.15 (0.1-0.19)	28.1 (20.41-35.31)	0.86 (0.81 to 0.91)
35						
36	Bolivia (Plurinational State of)	1.23 (1.02-1.52)	39.15 (32.12-49.14)	4.42 (3.41-5.56)	55.89 (43.24-69.91)	1.3 (1.23 to 1.38)
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5	Bosnia and Herzegovina	0.34 (0.32-0.36)	9.3 (8.68-9.91)	0.66 (0.53-0.8)	11.56 (9.29-14.09)	0.8 (0.55 to 1.05)
6						
7						
8	Botswana	0.14 (0.1-0.19)	27.26 (20.38-37.49)	0.44 (0.31-0.61)	37.05 (26.41-49.7)	0.64 (0.29 to 0.99)
9						
10	Brazil	16.25 (15.53-16.8)	19.48 (18.27-20.26)	42.34 (38.66-44.67)	18.6 (16.9-19.66)	-0.09 (-0.17 to -0.02)
11						
12						
13	Brunei Darussalam	0.03 (0.03-0.03)	36.65 (32.22-41.02)	0.08 (0.07-0.09)	37 (32.83-41.35)	0.74 (0.49 to 0.99)
14						
15						
16	Bulgaria	0.75 (0.7-0.79)	6.89 (6.49-7.29)	1.95 (1.58-2.38)	14.23 (11.57-17.43)	2.68 (2.32 to 3.05)
17						
18	Burkina Faso	1.25 (1.03-1.48)	30.19 (25.23-35.72)	2.82 (2.28-3.4)	30.98 (25.71-36.7)	0.03 (-0.07 to 0.13)
19						
20						
21	Burundi	0.74 (0.58-0.94)	31.09 (24.22-39.09)	1.04 (0.81-1.33)	25.11 (19.84-31.23)	-1 (-1.1 to -0.9)
22						
23						
24	Cabo Verde	0.04 (0.03-0.04)	15.38 (13.65-18.09)	0.1 (0.09-0.12)	24.42 (21.5-27.42)	0.8 (0.48 to 1.12)
25						
26	Cambodia	1.17 (0.97-1.38)	23.11 (19.27-27.26)	2.19 (1.77-2.6)	19.77 (16.16-22.88)	-0.64 (-0.73 to -0.56)
27						
28						
29	Cameroon	1.93 (1.49-2.38)	46.32 (35.64-56.56)	4.78 (3.53-6.3)	42.01 (31.74-53.82)	-0.29 (-0.36 to -0.22)
30						
31	Canada	2.64 (2.38-2.83)	8.44 (7.58-9.05)	7.5 (6.43-8.41)	9.67 (8.4-10.78)	0.22 (0.1 to 0.34)
32						
33						
34	Central African Republic	0.36 (0.27-0.45)	31.47 (23.87-38.91)	0.65 (0.48-0.86)	31.44 (23.07-40.76)	0.05 (-0.07 to 0.16)
35						
36	Chad	0.92 (0.71-1.28)	31.71 (24.21-44.14)	1.82 (1.36-2.4)	31.47 (24.21-40.94)	0.04 (-0.05 to 0.14)
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5	Chile	1.35 (1.28-1.42)	15.12 (14.14-15.91)	5.04 (4.47-5.49)	21.2 (18.81-23.09)	1.54 (1.18 to 1.91)
6						
7						
8	China	98.61 (86.8-111.08)	12.98 (11.52-14.53)	196.73 (168.24-224.68)	11.23 (9.63-12.77)	-0.21 (-0.32 to -0.09)
9						
10	Colombia	3.56 (3.35-3.74)	21.24 (19.51-22.52)	9.5 (7.33-11.97)	17.48 (13.59-22.1)	-0.65 (-0.81 to -0.5)
11						
12						
13	Comoros	0.06 (0.04-0.08)	28.88 (19.76-36.55)	0.12 (0.1-0.14)	26.32 (22.01-31.51)	-0.51 (-0.64 to -0.38)
14						
15	Congo	0.37 (0.26-0.46)	36.99 (26.02-46.61)	0.7 (0.48-0.92)	31.9 (21.82-40.63)	-0.68 (-0.79 to -0.56)
16						
17						
18	Cook Islands	0 (0-0)	23.6 (19.81-27.56)	0.01 (0.01-0.01)	29.72 (24.86-35)	0.99 (0.9 to 1.07)
19						
20	Costa Rica	0.26 (0.24-0.27)	14.97 (13.7-16.1)	1.37 (1.08-1.71)	26.61 (20.83-33.09)	1.89 (1.41 to 2.37)
21						
22						
23	Croatia	0.43 (0.39-0.46)	7.27 (6.69-7.85)	0.92 (0.74-1.14)	9.7 (7.84-11.9)	0.93 (0.56 to 1.3)
24						
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26	Cuba	0.82 (0.77-0.86)	7.98 (7.53-8.38)	2.73 (2.24-3.32)	14.43 (11.8-17.53)	2.61 (2.35 to 2.86)
27						
28						
29	Cyprus	0.18 (0.16-0.21)	33.7 (29.01-39.16)	0.33 (0.29-0.38)	20.62 (17.88-23.26)	-2.01 (-2.19 to -1.83)
30						
31	Czechia	1.08 (1.03-1.13)	8.09 (7.7-8.44)	1.32 (1.07-1.56)	6 (4.88-7.14)	-0.94 (-1.08 to -0.8)
32						
33						
34	Democratic People's Republic of Korea	2.38 (1.86-2.97)	15.72 (12.48-19.16)	4.32 (3.51-5.28)	14.24 (11.58-17.26)	-0.28 (-0.41 to -0.14)
35						
36	Democratic Republic of the Congo	4.42 (3.69-5.24)	30.47 (25.83-35.58)	8.03 (6.4-9.93)	24.79 (19.49-30.7)	-0.81 (-0.85 to -0.77)
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5	Denmark	0.37 (0.34-0.4)	4.43 (4.05-4.75)	1.13 (0.98-1.26)	8.8 (7.65-9.71)	2.37 (1.93 to 2.8)
6						
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8	Djibouti	0.03 (0.02-0.04)	23.64 (17.63-30.82)	0.14 (0.1-0.18)	28.41 (22.57-36.87)	0.58 (0.48 to 0.68)
9						
10	Dominica	0.03 (0.02-0.03)	35.66 (32.01-39.51)	0.04 (0.04-0.05)	48.01 (39.68-57.88)	1.35 (1.23 to 1.47)
11						
12						
13	Dominican Republic	0.58 (0.52-0.65)	15.07 (13.33-16.88)	2.28 (1.69-3.04)	24.98 (18.71-33.09)	2.79 (2.47 to 3.12)
14						
15	Ecuador	1.09 (1.02-1.15)	20.77 (19.27-22.14)	6.91 (5.55-8.62)	50.48 (40.61-62.49)	3.43 (2.76 to 4.11)
16						
17						
18	Egypt	9.72 (6.8-11.83)	39.39 (27.32-49.32)	21.98 (12.86-31.56)	43.93 (26.96-61.79)	0.54 (0.44 to 0.64)
19						
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21	El Salvador	0.62 (0.58-0.67)	20.12 (18.68-21.65)	4.08 (3.09-5.23)	67.31 (50.85-86.63)	4.43 (3.7 to 5.16)
22						
23	Equatorial Guinea	0.06 (0.04-0.07)	29.32 (21.77-37.03)	0.14 (0.1-0.19)	32.78 (23.73-43.75)	0.54 (0.39 to 0.69)
24						
25						
26	Eritrea	0.25 (0.17-0.34)	24.73 (15.94-35.35)	0.66 (0.45-0.92)	27.87 (19.48-38.08)	0.3 (0.14 to 0.46)
27						
28						
29	Estonia	0.05 (0.05-0.06)	2.72 (2.52-2.94)	0.35 (0.28-0.43)	11.33 (9.07-13.93)	5.36 (4.91 to 5.81)
30						
31	Eswatini	0.1 (0.08-0.13)	37.13 (29.77-45.05)	0.27 (0.19-0.36)	51.29 (37.88-66.11)	1.28 (0.67 to 1.89)
32						
33						
34	Ethiopia	7.86 (6.41-9.38)	39.59 (32.49-46.12)	9.86 (8.58-11.29)	26.17 (22.48-30.08)	-1.62 (-1.7 to -1.55)
35						
36	Fiji	0.12 (0.09-0.14)	34.34 (28.19-43.41)	0.29 (0.23-0.37)	46.74 (37.81-57.1)	0.55 (0.17 to 0.93)
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5	Finland	0.21 (0.2-0.23)	3.08 (2.8-3.3)	0.71 (0.59-0.79)	4.69 (4.01-5.26)	2.13 (1.9 to 2.37)
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8	France	7.12 (6.35-7.72)	7.99 (7.12-8.64)	12.7 (10.29-14.62)	6.59 (5.48-7.46)	-0.39 (-0.52 to -0.26)
9						
10	Gabon	0.18 (0.13-0.23)	35.51 (25.47-44.37)	0.37 (0.23-0.48)	41.2 (25.46-53.69)	0.46 (0.25 to 0.67)
11						
12						
13	Gambia	0.11 (0.08-0.14)	31.8 (25.23-39.71)	0.31 (0.24-0.39)	33.3 (27.05-40.97)	0.1 (-0.01 to 0.22)
14						
15	Georgia	0.35 (0.31-0.39)	6.2 (5.54-6.88)	0.71 (0.59-0.82)	11.89 (9.98-13.83)	3.59 (2.83 to 4.35)
16						
17						
18	Germany	9.35 (8.69-9.9)	7.04 (6.55-7.43)	35.22 (30.38-39.03)	14.7 (12.69-16.19)	3.54 (3.2 to 3.89)
19						
20						
21	Ghana	1.66 (1.25-2.22)	27.97 (21.27-36.97)	4.68 (3.38-5.96)	31.79 (23.14-39.85)	0.55 (0.44 to 0.66)
22						
23	Greece	2.95 (2.71-3.17)	20.63 (18.81-22.08)	4.6 (4.02-5.09)	14.96 (13.36-16.41)	-1.62 (-2.08 to -1.16)
24						
25						
26	Greenland	0 (0-0)	13.2 (11.48-15.22)	0.01 (0.01-0.01)	13.87 (11.51-16.31)	0.22 (0.11 to 0.34)
27						
28	Grenada	0.03 (0.02-0.03)	34.89 (31.52-38.34)	0.05 (0.04-0.06)	47.49 (41.83-52.74)	1.47 (1.3 to 1.64)
29						
30						
31	Guam	0.01 (0.01-0.02)	24.88 (21.94-27.8)	0.06 (0.05-0.07)	29.97 (25.2-35.61)	0.9 (0.61 to 1.19)
32						
33						
34	Guatemala	1.14 (1.02-1.27)	32.23 (28.9-35.79)	6.02 (4.81-7.5)	57.06 (46.4-70.3)	2.65 (2.29 to 3.01)
35						
36	Guinea	1.25 (1.01-1.59)	37.28 (30.01-47.69)	1.93 (1.51-2.42)	34.24 (27.19-42.48)	-0.1 (-0.17 to -0.02)
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5	Guinea-Bissau	0.21 (0.17-0.27)	50.78 (40.95-61.44)	0.29 (0.23-0.36)	40.52 (32.1-49.72)	-0.74 (-0.78 to -0.7)
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8	Guyana	0.11 (0.1-0.13)	29.17 (25.4-33.04)	0.28 (0.22-0.36)	47.17 (37.07-58.98)	2.38 (2.15 to 2.61)
9						
10	Haiti	1.18 (0.91-1.64)	34.39 (26-50.81)	2.37 (1.67-3.61)	34.33 (24.49-52.97)	0.32 (0.18 to 0.47)
11						
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13	Honduras	0.56 (0.45-0.78)	26.05 (20.21-38.44)	3.16 (2.57-4.03)	55.87 (45.6-71.19)	3.09 (2.81 to 3.37)
14						
15						
16	Hungary	0.78 (0.74-0.82)	5.84 (5.51-6.11)	1.82 (1.52-2.17)	8.92 (7.43-10.6)	2.57 (2.18 to 2.97)
17						
18	Iceland	0.01 (0.01-0.01)	4.19 (3.74-4.58)	0.03 (0.03-0.04)	4.98 (4.14-5.69)	0.89 (0.75 to 1.03)
19						
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21	India	92.81 (79.36-104.72)	22.76 (19.35-25.79)	222.92 (191.55-258.59)	20.92 (17.98-24.08)	-0.55 (-0.77 to -0.33)
22						
23	Indonesia	22.38 (20.04-24.93)	21.08 (18.79-23.69)	42.13 (35.88-48.3)	20.95 (17.92-23.36)	0 (-0.13 to 0.12)
24						
25						
26	Iran (Islamic Republic of)	5.27 (4.82-5.77)	24.11 (21.79-28.8)	12.55 (11.38-13.41)	19.77 (17.77-21.21)	-0.89 (-0.98 to -0.79)
27						
28						
29	Iraq	3.46 (2.82-4.48)	46.27 (37.12-61.87)	7.89 (6.16-10.08)	41.86 (33.19-53.49)	-0.42 (-0.48 to -0.35)
30						
31	Ireland	0.42 (0.39-0.44)	10.95 (10.02-11.65)	0.7 (0.59-0.79)	8.89 (7.57-9.94)	-0.71 (-0.79 to -0.64)
32						
33						
34	Israel	0.96 (0.88-1.02)	21.9 (19.96-23.41)	2.76 (2.37-3.06)	21.48 (18.66-23.71)	0.28 (-0.04 to 0.6)
35						
36	Italy	8.39 (7.89-8.68)	9.78 (9.09-10.16)	16.51 (13.88-18.05)	8.6 (7.37-9.33)	-0.17 (-0.31 to -0.04)
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5	Ivory Coast	1.57 (1.27-1.87)	40.34 (33.8-47.23)	3.43 (2.59-4.33)	34.73 (28.03-42.22)	-0.61 (-0.73 to -0.49)
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8	Jamaica	0.43 (0.39-0.46)	23.34 (21.34-24.93)	0.94 (0.76-1.15)	30.23 (24.24-37.39)	0.3 (-0.21 to 0.82)
9						
10	Japan	19.48 (17.92-20.33)	12.85 (11.7-13.48)	45.32 (35.35-51.15)	8.87 (7.24-9.83)	-1.44 (-1.54 to -1.34)
11						
12						
13	Jordan	0.44 (0.37-0.51)	40.92 (34.47-48.38)	1.81 (1.52-2.15)	36.65 (30.74-43.21)	-0.28 (-0.4 to -0.15)
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15						
16	Kazakhstan	0.97 (0.91-1.05)	7.34 (6.89-7.89)	1.87 (1.64-2.13)	11.79 (10.31-13.3)	1.12 (0.79 to 1.45)
17						
18	Kenya	1.62 (1.36-1.94)	20.91 (17.39-25.31)	4.76 (3.99-5.64)	25.35 (21.47-29.6)	0.75 (0.67 to 0.82)
19						
20						
21	Kiribati	0.02 (0.01-0.02)	44.1 (36.16-52.87)	0.04 (0.03-0.05)	56.87 (43.53-72.81)	0.6 (0.19 to 1.02)
22						
23						
24	Kuwait	0.14 (0.12-0.15)	27.67 (23.81-30.52)	0.32 (0.27-0.39)	16.18 (13.28-19.5)	-2.21 (-2.93 to -1.48)
25						
26	Kyrgyzstan	0.43 (0.39-0.47)	12.46 (11.34-13.65)	0.49 (0.42-0.56)	9.8 (8.54-11.16)	-1.37 (-1.82 to -0.93)
27						
28						
29	Lao People's Democratic Republic	1.08 (0.85-1.35)	50.84 (39.68-64.92)	1.71 (1.31-2.18)	41.81 (32.97-51.98)	-0.85 (-0.92 to -0.78)
30						
31	Latvia	0.08 (0.07-0.08)	2.33 (2.17-2.5)	0.26 (0.22-0.32)	6.22 (5.25-7.5)	4.52 (4 to 5.05)
32						
33						
34	Lebanon	0.62 (0.52-0.75)	32.44 (27.01-39.57)	1.18 (0.85-1.53)	23.32 (16.78-30.26)	-1.11 (-1.25 to -0.97)
35						
36	Lesotho	0.22 (0.18-0.28)	24.49 (20.02-29.91)	0.56 (0.4-0.73)	49.32 (35.95-62.73)	3.04 (2.73 to 3.35)
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5	Liberia	0.45 (0.37-0.55)	41.82 (35.14-51.43)	0.65 (0.47-0.9)	33.14 (25.24-45.08)	-0.58 (-0.85 to -0.32)
6						
7						
8	Libya	0.52 (0.4-0.66)	29.75 (22.44-39.08)	1.37 (0.92-1.86)	30.37 (20.49-41.27)	0.33 (0.15 to 0.5)
9						
10	Lithuania	0.12 (0.11-0.12)	2.66 (2.46-2.84)	0.26 (0.22-0.31)	4.37 (3.64-5.24)	1.2 (0.62 to 1.78)
11						
12						
13	Luxembourg	0.05 (0.05-0.06)	10.12 (9.11-10.94)	0.12 (0.1-0.14)	10.19 (8.48-11.88)	0.23 (0.02 to 0.44)
14						
15	Madagascar	1.2 (0.94-1.49)	22.91 (17.82-29.06)	1.94 (1.49-2.54)	20.34 (15.74-26.54)	-0.49 (-0.56 to -0.42)
16						
17						
18	Malawi	1.04 (0.83-1.21)	27.48 (23.76-31.57)	1.78 (1.46-2.15)	26.24 (21.93-31.13)	-0.28 (-0.42 to -0.14)
19						
20						
21	Malaysia	2.18 (2.01-2.37)	24.78 (22.57-27.13)	6.11 (4.87-7.45)	25.56 (20.44-31)	-0.47 (-0.73 to -0.22)
22						
23	Maldives	0.04 (0.04-0.05)	57.41 (49.94-68.83)	0.09 (0.07-0.1)	33.8 (27.82-39.77)	-2.22 (-2.46 to -1.97)
24						
25						
26	Mali	1.52 (1.21-1.91)	37.05 (29.91-46.42)	2.7 (2.07-3.46)	31.19 (25-38.82)	-0.45 (-0.61 to -0.29)
27						
28						
29	Malta	0.05 (0.05-0.06)	13.49 (12.13-14.67)	0.11 (0.09-0.12)	10.34 (8.85-11.81)	-0.93 (-1.14 to -0.72)
30						
31	Marshall Islands	0.01 (0.01-0.01)	39.58 (31.44-51.85)	0.02 (0.01-0.02)	53.39 (39.7-72.05)	1.04 (0.78 to 1.3)
32						
33						
34	Mauritania	0.45 (0.38-0.53)	47.02 (39-55.12)	0.59 (0.44-0.76)	30.91 (23.68-38.57)	-1.45 (-1.52 to -1.37)
35						
36	Mauritius	0.31 (0.29-0.33)	44.68 (41.91-47.57)	1.26 (1.03-1.53)	75.03 (61.8-90.76)	2.09 (1.74 to 2.45)
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5	Mexico	12.18 (11.63-12.52)	30.65 (28.76-31.74)	72.54 (62.59-82.5)	63.67 (55.02-72.25)	2.85 (2.43 to 3.27)
6						
7						
8	Micronesia (Federated States of)	0.02 (0.02-0.03)	49.5 (39.15-64.24)	0.05 (0.03-0.06)	77.21 (57.56-97.54)	1.45 (1.05 to 1.84)
9						
10	Monaco	0 (0-0)	4.16 (3.41-4.99)	0.01 (0.01-0.01)	6.28 (5.16-7.39)	1.83 (1.41 to 2.26)
11						
12						
13	Mongolia	0.39 (0.33-0.46)	35.49 (30.53-41)	0.39 (0.31-0.5)	17.81 (14.41-22.12)	-3.6 (-4.07 to -3.12)
14						
15	Montenegro	0.07 (0.07-0.08)	12.43 (11.17-13.87)	0.13 (0.11-0.15)	13.82 (11.6-16.13)	0.55 (0.38 to 0.72)
16						
17						
18	Morocco	3.55 (3.03-4.63)	29.43 (24.56-41.35)	9.32 (7.16-11.84)	35.84 (27.87-46.25)	0.76 (0.62 to 0.89)
19						
20	Mozambique	1.24 (1.02-1.52)	22.84 (18.92-28.33)	2.64 (2.08-3.28)	25.87 (21.06-32.1)	0.5 (0.37 to 0.63)
21						
22						
23	Myanmar	7.64 (5.94-9.5)	30.76 (24.01-38.16)	11.55 (9.73-13.96)	26.84 (23.21-32.3)	-0.53 (-0.65 to -0.41)
24						
25						
26	Namibia	0.18 (0.13-0.24)	27.85 (20.88-37.4)	0.35 (0.25-0.49)	27.4 (20-38.41)	-0.39 (-0.75 to -0.02)
27						
28	Nauru	0 (0-0)	49.17 (38.1-60.09)	0 (0-0)	66.61 (49.13-82.46)	0.93 (0.61 to 1.25)
29						
30						
31	Nepal	1.73 (1.27-2.25)	18.15 (13.34-24.47)	5.11 (3.58-6.71)	25.06 (17.71-32.79)	1.23 (0.94 to 1.53)
32						
33						
34	Netherlands	1.68 (1.48-1.82)	8.42 (7.37-9.15)	3.78 (3.23-4.22)	9.8 (8.42-10.92)	0.67 (0.59 to 0.75)
35						
36	New Zealand	0.31 (0.28-0.33)	8.26 (7.56-8.83)	0.91 (0.79-1)	10.82 (9.52-11.82)	1.04 (0.82 to 1.27)
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Nicaragua	0.61 (0.57-0.65)	37.62 (34.76-40.75)	3.48 (2.87-4.09)	83.24 (69.57-96.75)	3.14 (2.79 to 3.49)
Niger	1.07 (0.84-1.35)	35.2 (27.55-44.12)	2.2 (1.61-2.91)	28.69 (22.39-36.04)	-0.66 (-0.73 to -0.6)
Nigeria	11.66 (9.42-14.85)	27.69 (22.51-35.07)	20.04 (15.89-25.09)	24.84 (20.27-30.37)	-0.3 (-0.36 to -0.23)
Niue	0 (0-0)	35.72 (28.03-44.02)	0 (0-0)	47.39 (34.47-59.33)	0.85 (0.59 to 1.12)
North Macedonia	0.19 (0.18-0.22)	11.25 (10.27-12.72)	0.36 (0.29-0.45)	12.72 (10.34-15.66)	0.3 (0.07 to 0.54)
Northern Mariana Islands	0.01 (0.01-0.01)	45.65 (39.08-54.81)	0.02 (0.02-0.03)	56.84 (48.66-65.02)	0.95 (0.85 to 1.06)
Norway	0.34 (0.31-0.36)	4.55 (4.2-4.77)	0.78 (0.67-0.84)	6.69 (5.84-7.25)	1.49 (1.18 to 1.8)
Oman	0.08 (0.06-0.11)	16.82 (12.93-22.29)	0.2 (0.17-0.23)	19.85 (17.05-22.82)	0.98 (0.78 to 1.17)
Pakistan	15.21 (11.34-20.54)	26.34 (19.51-35.91)	44.39 (32.45-56.53)	39.88 (29.74-50.88)	1.43 (1.17 to 1.7)
Palau	0.01 (0-0.01)	54.63 (45.05-68.31)	0.01 (0.01-0.02)	69.74 (56.33-84.64)	0.79 (0.59 to 1)
Palestine	0.39 (0.31-0.48)	46.81 (37.83-57.37)	0.65 (0.55-0.75)	33.58 (28.52-38.58)	-0.86 (-1.11 to -0.6)
Panama	0.22 (0.2-0.24)	14.61 (13.34-15.73)	1.15 (0.9-1.46)	27.39 (21.28-34.63)	2.25 (1.89 to 2.61)
Papua New Guinea	0.25 (0.2-0.31)	12.19 (9.8-14.71)	0.74 (0.56-0.95)	14.36 (11.09-17.95)	0.51 (0.36 to 0.65)

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5	Paraguay	0.34 (0.3-0.37)	15.41 (13.63-17.13)	1.88 (1.46-2.4)	34.76 (27.05-44.15)	3.48 (3.24 to 3.71)
6						
7						
8	Peru	2.92 (2.59-3.3)	24.09 (21.15-27.33)	8.04 (5.92-10.44)	24.72 (18.22-32.03)	0.19 (-0.04 to 0.42)
9						
10	Philippines	10.41 (9.42-11.48)	38.22 (34.49-42.3)	33.36 (27.88-39.55)	44.7 (37.65-52.35)	0.92 (0.66 to 1.18)
11						
12						
13	Poland	4.41 (4.25-4.53)	10.66 (10.2-10.95)	4.7 (3.97-5.59)	6.5 (5.49-7.73)	-1.96 (-2.39 to -1.53)
14						
15	Portugal	1.58 (1.49-1.67)	12.57 (11.77-13.3)	4.07 (3.45-4.51)	13.48 (11.55-14.86)	0.38 (-0.07 to 0.84)
16						
17						
18	Puerto Rico	0.99 (0.93-1.05)	28.44 (26.47-30.11)	2.06 (1.6-2.59)	26.89 (21.12-34.09)	0.4 (0.08 to 0.72)
19						
20						
21	Qatar	0.03 (0.02-0.04)	48.93 (38.41-84.35)	0.13 (0.1-0.17)	45.88 (37.09-55.98)	0.07 (-0.19 to 0.33)
22						
23	Republic of Korea	3.12 (2.97-3.33)	12.08 (11.28-12.97)	7.98 (6.93-8.86)	9.56 (8.27-10.64)	-0.56 (-0.65 to -0.47)
24						
25						
26	Republic of Moldova	0.1 (0.09-0.11)	2.87 (2.67-3.05)	0.25 (0.21-0.28)	4.46 (3.88-5.03)	1.53 (1.2 to 1.85)
27						
28						
29	Romania	2.59 (2.47-2.69)	10.43 (9.94-10.84)	3.04 (2.55-3.61)	7.98 (6.68-9.46)	-0.52 (-1.04 to 0)
30						
31	Russian Federation	9.02 (8.79-9.32)	5.47 (5.29-5.63)	11.65 (10.16-13.13)	5.17 (4.52-5.82)	-0.89 (-1.21 to -0.57)
32						
33						
34	Rwanda	0.93 (0.76-1.1)	32.51 (27.17-38.51)	1.27 (0.99-1.56)	24.68 (19.41-29.96)	-1.65 (-1.93 to -1.37)
35						
36	Saint Kitts and Nevis	0.02 (0.02-0.02)	48.81 (44.79-53.28)	0.03 (0.03-0.04)	53.07 (44.4-61.71)	0.73 (0.55 to 0.91)
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5	Saint Lucia	0.03 (0.02-0.03)	31.56 (29.14-33.94)	0.07 (0.06-0.08)	34.59 (28.97-40.83)	0.39 (0.16 to 0.62)
6						
7						
8	Saint Vincent and the Grenadines	0.02 (0.02-0.02)	25.51 (23.01-27.92)	0.05 (0.04-0.05)	36.54 (31.68-42.06)	1.55 (1.32 to 1.78)
9						
10	Samoa	0.03 (0.02-0.04)	37.95 (30.01-47.78)	0.06 (0.05-0.08)	44.6 (36.37-54.81)	0.47 (0.26 to 0.68)
11						
12						
13	San Marino	0 (0-0)	4.05 (3.41-4.74)	0 (0-0.01)	5.09 (3.52-6.82)	1.51 (1.24 to 1.77)
14						
15	Sao Tome and Principe	0.03 (0.02-0.03)	43.51 (36.27-49.57)	0.05 (0.04-0.06)	51.3 (40.4-59.87)	0.48 (0.36 to 0.6)
16						
17						
18	Saudi Arabia	2.48 (1.93-3.1)	47.9 (37.69-59.35)	6.93 (5.45-8.55)	52.88 (42.82-63.11)	0.58 (0.35 to 0.81)
19						
20						
21	Senegal	1.33 (1.04-1.71)	41.68 (33.28-53.19)	2.45 (1.89-3.22)	34.93 (27.7-45.06)	-0.54 (-0.67 to -0.42)
22						
23	Serbia	1.42 (1.28-1.67)	14 (12.58-16.3)	2.52 (2.05-3)	16.34 (13.34-19.38)	0.83 (0.66 to 1)
24						
25						
26	Seychelles	0.02 (0.01-0.02)	29.87 (26.45-33.1)	0.04 (0.04-0.05)	44.43 (38.76-49.83)	0.9 (0.52 to 1.29)
27						
28	Sierra Leone	0.64 (0.51-0.79)	32.65 (26.08-39.62)	1.04 (0.79-1.33)	28.55 (22.85-35.84)	-0.28 (-0.36 to -0.2)
29						
30						
31	Singapore	0.31 (0.29-0.33)	15.54 (14.57-16.4)	0.76 (0.66-0.83)	10.51 (9.09-11.55)	-0.38 (-0.94 to 0.18)
32						
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34	Slovakia	0.69 (0.64-0.74)	11.86 (11.06-12.74)	0.76 (0.6-0.93)	8.42 (6.73-10.33)	-1.05 (-1.13 to -0.96)
35						
36	Slovenia	0.15 (0.12-0.19)	6.5 (5.14-8.02)	0.26 (0.2-0.33)	4.99 (3.91-6.36)	-0.16 (-0.44 to 0.13)
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5	Solomon Islands	0.07 (0.05-0.09)	41.92 (31.97-57.06)	0.09 (0.07-0.11)	25.15 (20.72-29.99)	-1.94 (-2.35 to -1.53)
6						
7						
8	Somalia	0.76 (0.57-0.96)	31.28 (23.57-39.61)	1.88 (1.43-2.5)	29.63 (22.61-39.38)	-0.06 (-0.11 to -0.01)
9						
10	South Africa	4.61 (4.25-5.07)	22 (20.07-24.29)	12.35 (11.41-13.22)	31.02 (28.44-33.22)	1.29 (0.9 to 1.68)
11						
12						
13	South Sudan	0.65 (0.48-0.83)	27.62 (20.27-35.67)	0.93 (0.69-1.25)	27.22 (20.38-35.97)	-0.06 (-0.09 to -0.02)
14						
15						
16	Spain	7.68 (6.91-8.29)	14.79 (13.28-15.99)	14.65 (12.08-16.74)	11.06 (9.33-12.49)	-0.87 (-0.94 to -0.8)
17						
18	Sri Lanka	2.49 (2.21-2.74)	25.27 (22.31-27.99)	5.56 (4.15-7.26)	24.09 (18.08-31.21)	-0.11 (-0.51 to 0.28)
19						
20						
21	Sudan	2.61 (2.06-3.46)	28.53 (22.13-40.32)	4.75 (3.37-7.17)	28.39 (20.33-44.3)	0.05 (-0.04 to 0.14)
22						
23	Suriname	0.07 (0.07-0.08)	28.55 (25.56-30.97)	0.26 (0.22-0.31)	45.34 (37.97-53.46)	1.67 (1.38 to 1.96)
24						
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26	Sweden	0.65 (0.59-0.69)	3.93 (3.59-4.17)	2 (1.68-2.21)	7.5 (6.43-8.23)	2.55 (2.42 to 2.67)
27						
28						
29	Switzerland	0.61 (0.54-0.66)	5.43 (4.84-5.87)	2.22 (1.82-2.52)	9.49 (7.91-10.75)	2.76 (2.5 to 3.03)
30						
31	Syrian Arab Republic	1.95 (1.61-2.37)	36.99 (30.44-46.13)	2.66 (2.07-3.42)	27.78 (22.07-34.58)	-1.65 (-1.95 to -1.34)
32						
33						
34	Taiwan (Province of China)	3.33 (3.14-3.53)	26.1 (24.33-27.84)	8.25 (6.51-10.33)	20.47 (16.14-25.73)	-0.94 (-1.1 to -0.79)
35						
36	Tajikistan	0.1 (0.1-0.11)	3.18 (2.94-3.47)	0.4 (0.33-0.49)	9.4 (7.8-11.25)	4.07 (3.7 to 4.45)
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Thailand	9.77 (8.63-11.15)	29.2 (25.83-33.3)	27.45 (21.01-35.47)	27.94 (21.36-35.99)	-0.38 (-0.48 to -0.28)
Timor-Leste	0.09 (0.07-0.12)	31.54 (24.73-42.46)	0.23 (0.17-0.3)	31.3 (24.09-39.75)	-0.04 (-0.24 to 0.15)
Togo	0.43 (0.35-0.54)	34.23 (28.17-42.73)	1 (0.79-1.27)	30.2 (24.51-37.23)	-0.43 (-0.47 to -0.39)
Tokelau	0 (0-0)	32.9 (25.7-42.75)	0 (0-0)	40.42 (31.37-54.02)	0.67 (0.44 to 0.9)
Tonga	0.01 (0.01-0.02)	28.56 (23.31-37.54)	0.03 (0.03-0.04)	41.51 (33.11-54.56)	1.25 (0.87 to 1.63)
Trinidad and Tobago	0.18 (0.16-0.19)	21.8 (20.39-23.17)	0.62 (0.46-0.8)	34.37 (25.88-44.38)	2 (1.76 to 2.25)
Tunisia	1.03 (0.88-1.23)	24.28 (20.58-29.37)	2.63 (1.88-3.49)	23.62 (16.87-31.07)	-0.12 (-0.16 to -0.09)
Turkey	11.61 (9.54-15.85)	35.19 (28.26-50.25)	19.19 (15.49-23.48)	23.48 (18.99-28.71)	-1.28 (-1.59 to -0.97)
Turkmenistan	0.31 (0.29-0.33)	13.45 (12.55-14.37)	0.71 (0.58-0.9)	17.38 (14.16-21.64)	0.34 (0.03 to 0.65)
Tuvalu	0 (0-0)	38.58 (30.62-49.14)	0 (0-0.01)	48.67 (35.96-66.59)	0.78 (0.56 to 0.99)
Uganda	1.55 (1.2-1.94)	25.22 (19.55-31.82)	3.39 (2.62-4.26)	25.81 (20.58-31.71)	-0.19 (-0.32 to -0.05)
Ukraine	1.41 (1.34-1.47)	2.29 (2.15-2.39)	2.66 (2.28-3.07)	3.86 (3.31-4.47)	2.18 (1.89 to 2.47)
United Arab Emirates	0.21 (0.16-0.26)	61.23 (37.47-75.7)	1.43 (0.91-2.26)	48.09 (29.07-73.62)	-0.82 (-1.4 to -0.24)

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5	United Kingdom	4.97 (4.64-5.15)	5.41 (5.03-5.63)	7.78 (6.85-8.33)	5.29 (4.7-5.64)	0.38 (0.12 to 0.64)
6						
7						
8	United Republic of Tanzania	2.75 (2.31-3.27)	26.7 (22.58-32.2)	6.23 (5.26-7.36)	27.3 (23.17-31.68)	0.13 (0.05 to 0.2)
9						
10	United States of America	33.1 (30.49-34.45)	9.94 (9.18-10.34)	106.95 (95.86-114.38)	17.77 (16.12-18.91)	2.43 (2.22 to 2.63)
11						
12						
13	United States Virgin Islands	0.02 (0.01-0.02)	21.34 (18.16-24.86)	0.05 (0.04-0.06)	30.18 (25.88-34.3)	1.76 (1.53 to 1.99)
14						
15	Uruguay	0.51 (0.47-0.54)	13.21 (12.24-14.02)	0.99 (0.87-1.09)	15.9 (14.15-17.4)	0.94 (0.8 to 1.09)
16						
17						
18	Uzbekistan	1.89 (1.64-2.52)	14.76 (12.61-20.49)	3.97 (3.33-4.67)	19.85 (17.05-22.89)	0.69 (-0.1 to 1.5)
19						
20	Vanuatu	0.02 (0.01-0.02)	26.09 (18.67-35.84)	0.07 (0.05-0.09)	43.38 (32.55-57.97)	1.91 (1.78 to 2.04)
21						
22						
23	Venezuela (Bolivarian Republic of)	1.55 (1.46-1.64)	16.19 (15.07-17.25)	10.41 (7.89-13.43)	36.77 (27.88-47.38)	2.43 (1.94 to 2.92)
24						
25						
26	Viet Nam	11.03 (8.95-13.56)	29.05 (23.77-35.4)	21.48 (16.68-25.81)	26.62 (20.89-31.76)	-0.38 (-0.85 to 0.09)
27						
28	Yemen	1.15 (0.86-1.54)	24.8 (18.61-34.23)	2.68 (2.05-3.54)	23.19 (18.02-30.53)	-0.26 (-0.33 to -0.18)
29						
30						
31	Zambia	0.95 (0.81-1.11)	32.83 (27.31-38.79)	1.93 (1.55-2.4)	30.81 (25.1-37.46)	-0.48 (-0.66 to -0.3)
32						
33						
34	Zimbabwe	0.92 (0.7-1.36)	25.95 (20.13-37.57)	2.29 (1.66-3.38)	37.07 (27.36-55.38)	1.55 (1.21 to 1.89)
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**Supplemental table 5. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 21 geographic regions from 1990 to 2019 in 21 regions.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Andean Latin America	1990	0.942869	0.890741
Andean Latin America	1991	0.989165	0.932389
Andean Latin America	1992	1.02563	0.967065
Andean Latin America	1993	1.016962	0.958297
Andean Latin America	1994	1.061313	1.001181
Andean Latin America	1995	1.077537	1.019983
Andean Latin America	1996	1.032404	0.980159
Andean Latin America	1997	1.030348	0.978622
Andean Latin America	1998	1.022574	0.969425
Andean Latin America	1999	0.992515	0.940177

Andean Latin America	2000	0.997206	0.943015
Andean Latin America	2001	0.947616	0.894712
Andean Latin America	2002	0.990555	0.931385
Andean Latin America	2003	1.019051	0.956351
Andean Latin America	2004	0.985019	0.922183
Andean Latin America	2005	0.978694	0.912562
Andean Latin America	2006	0.961884	0.892727
Andean Latin America	2007	0.945709	0.874394
Andean Latin America	2008	0.952065	0.876611
Andean Latin America	2009	0.97062	0.890118
Andean Latin America	2010	0.975539	0.890804
Andean Latin America	2011	0.970379	0.882799
Andean Latin America	2012	1.010809	0.91578

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Andean Latin America	2013	1.013769	0.915689
Andean Latin America	2014	1.008176	0.908392
Andean Latin America	2015	1.003827	0.902681
Andean Latin America	2016	1.013695	0.90961
Andean Latin America	2017	1.021095	0.915073
Andean Latin America	2018	1.028281	0.920944
Andean Latin America	2019	1.042441	0.933531
Australasia	1990	1.256436	0.749952
Australasia	1991	1.251345	0.749596
Australasia	1992	1.221065	0.731598
Australasia	1993	1.197424	0.715706
Australasia	1994	1.184041	0.705074
Australasia	1995	1.189314	0.708414

Australasia	1996	1.171815	0.699034
Australasia	1997	1.154972	0.694376
Australasia	1998	1.125176	0.679026
Australasia	1999	1.123	0.679313
Australasia	2000	1.107004	0.67342
Australasia	2001	1.092594	0.667626
Australasia	2002	1.09213	0.668502
Australasia	2003	1.073556	0.660159
Australasia	2004	1.093004	0.674235
Australasia	2005	1.109953	0.687767
Australasia	2006	1.11501	0.694533
Australasia	2007	1.119263	0.702944
Australasia	2008	1.12093	0.709291

Australasia	2009	1.12578	0.717931
Australasia	2010	1.119825	0.719347
Australasia	2011	1.110324	0.720219
Australasia	2012	1.102299	0.723081
Australasia	2013	1.092797	0.725804
Australasia	2014	1.087757	0.72868
Australasia	2015	1.082458	0.732461
Australasia	2016	1.075631	0.733734
Australasia	2017	1.056633	0.72804
Australasia	2018	1.040454	0.72481
Australasia	2019	1.025964	0.721186
Caribbean	1990	0.778203	0.705687
Caribbean	1991	0.789518	0.714482

Caribbean	1992	0.790374	0.71231
Caribbean	1993	0.795133	0.714068
Caribbean	1994	0.794694	0.711298
Caribbean	1995	0.795712	0.709507
Caribbean	1996	0.799616	0.710759
Caribbean	1997	0.797003	0.706666
Caribbean	1998	0.795225	0.702657
Caribbean	1999	0.806613	0.710478
Caribbean	2000	0.84186	0.739455
Caribbean	2001	0.85681	0.751266
Caribbean	2002	0.865068	0.757623
Caribbean	2003	0.877107	0.766409
Caribbean	2004	0.894996	0.780393



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Caribbean	2005	0.901407	0.785161
Caribbean	2006	0.90325	0.786336
Caribbean	2007	0.896328	0.779649
Caribbean	2008	0.888385	0.771347
Caribbean	2009	0.877739	0.760608
Caribbean	2010	0.902529	0.780843
Caribbean	2011	0.894764	0.774198
Caribbean	2012	0.897262	0.776873
Caribbean	2013	0.897109	0.776448
Caribbean	2014	0.895273	0.774364
Caribbean	2015	0.890096	0.769517
Caribbean	2016	0.888374	0.767038
Caribbean	2017	0.887092	0.764536

Caribbean	2018	0.894349	0.768945
Caribbean	2019	0.900884	0.773334
Central Asia	1990	0.993776	0.730286
Central Asia	1991	0.991773	0.731194
Central Asia	1992	0.989487	0.735739
Central Asia	1993	0.982871	0.732542
Central Asia	1994	0.967481	0.724436
Central Asia	1995	0.953222	0.716344
Central Asia	1996	0.932845	0.703873
Central Asia	1997	0.939018	0.708663
Central Asia	1998	0.942864	0.711008
Central Asia	1999	0.93285	0.706787
Central Asia	2000	0.914752	0.697569

Central Asia	2001	0.90155	0.688619
Central Asia	2002	0.889552	0.67599
Central Asia	2003	0.880783	0.667315
Central Asia	2004	0.876683	0.667546
Central Asia	2005	0.878457	0.676155
Central Asia	2006	0.867182	0.670221
Central Asia	2007	0.861093	0.665534
Central Asia	2008	0.858393	0.661361
Central Asia	2009	0.865353	0.664304
Central Asia	2010	0.870146	0.66312
Central Asia	2011	0.864532	0.659123
Central Asia	2012	0.866978	0.660768
Central Asia	2013	0.863849	0.658662

Central Asia	2014	0.851903	0.644534
Central Asia	2015	0.851577	0.639005
Central Asia	2016	0.849903	0.637999
Central Asia	2017	0.850543	0.637766
Central Asia	2018	0.846082	0.636936
Central Asia	2019	0.848602	0.64247
Central Europe	1990	0.955491	0.661719
Central Europe	1991	0.961364	0.663657
Central Europe	1992	0.957234	0.658579
Central Europe	1993	0.965166	0.660903
Central Europe	1994	0.966613	0.660389
Central Europe	1995	0.971466	0.661423
Central Europe	1996	0.979487	0.662808

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Central Europe	1997	0.989711	0.667123
Central Europe	1998	0.99268	0.662612
Central Europe	1999	1.007421	0.665519
Central Europe	2000	1.009404	0.66032
Central Europe	2001	1.001136	0.650922
Central Europe	2002	0.99002	0.639423
Central Europe	2003	0.985822	0.633371
Central Europe	2004	0.987337	0.630977
Central Europe	2005	0.996463	0.635996
Central Europe	2006	1.012738	0.645361
Central Europe	2007	1.033613	0.65755
Central Europe	2008	1.022364	0.649222
Central Europe	2009	1.028734	0.651344

Central Europe	2010	1.028359	0.649302
Central Europe	2011	1.026432	0.646255
Central Europe	2012	1.039093	0.651483
Central Europe	2013	1.047601	0.653682
Central Europe	2014	1.058371	0.659537
Central Europe	2015	1.069497	0.665303
Central Europe	2016	1.065577	0.663071
Central Europe	2017	1.059955	0.660605
Central Europe	2018	1.058167	0.660511
Central Europe	2019	1.056385	0.660778
Central Latin America	1990	0.977794	0.906047
Central Latin America	1991	0.960958	0.88965
Central Latin America	1992	0.96836	0.891993

Central Latin America	1993	0.96676	0.885486
Central Latin America	1994	0.960737	0.875372
Central Latin America	1995	0.974102	0.885237
Central Latin America	1996	0.980331	0.887809
Central Latin America	1997	0.986228	0.890212
Central Latin America	1998	0.984161	0.884764
Central Latin America	1999	0.993865	0.890436
Central Latin America	2000	0.974373	0.871688
Central Latin America	2001	0.977773	0.871958
Central Latin America	2002	0.955348	0.848128
Central Latin America	2003	0.953418	0.84444
Central Latin America	2004	0.949965	0.839949
Central Latin America	2005	0.94173	0.832021

Central Latin America	2006	0.929669	0.819435
Central Latin America	2007	0.928761	0.817536
Central Latin America	2008	0.913732	0.801903
Central Latin America	2009	0.918766	0.802136
Central Latin America	2010	0.932299	0.811422
Central Latin America	2011	0.923423	0.801163
Central Latin America	2012	0.916951	0.792063
Central Latin America	2013	0.906908	0.780367
Central Latin America	2014	0.915868	0.78579
Central Latin America	2015	0.904761	0.774169
Central Latin America	2016	0.894395	0.763281
Central Latin America	2017	0.878355	0.747275
Central Latin America	2018	0.879571	0.745725



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Central Latin America	2019	0.873385	0.737332
Central Sub-Saharan Africa	1990	0.683461	0.582902
Central Sub-Saharan Africa	1991	0.694933	0.587758
Central Sub-Saharan Africa	1992	0.702424	0.589793
Central Sub-Saharan Africa	1993	0.714943	0.595657
Central Sub-Saharan Africa	1994	0.724653	0.59941
Central Sub-Saharan Africa	1995	0.732751	0.601448
Central Sub-Saharan Africa	1996	0.756166	0.614733
Central Sub-Saharan Africa	1997	0.757363	0.61014
Central Sub-Saharan Africa	1998	0.770799	0.615205
Central Sub-Saharan Africa	1999	0.783386	0.61934
Central Sub-Saharan Africa	2000	0.797995	0.624623
Central Sub-Saharan Africa	2001	0.813766	0.632481

Central Sub-Saharan Africa	2002	0.833085	0.642304
Central Sub-Saharan Africa	2003	0.848224	0.65191
Central Sub-Saharan Africa	2004	0.857761	0.656619
Central Sub-Saharan Africa	2005	0.863588	0.659505
Central Sub-Saharan Africa	2006	0.861856	0.658283
Central Sub-Saharan Africa	2007	0.855563	0.655166
Central Sub-Saharan Africa	2008	0.851145	0.653598
Central Sub-Saharan Africa	2009	0.845802	0.651726
Central Sub-Saharan Africa	2010	0.838533	0.647863
Central Sub-Saharan Africa	2011	0.83013	0.644303
Central Sub-Saharan Africa	2012	0.823208	0.641886
Central Sub-Saharan Africa	2013	0.81738	0.640355
Central Sub-Saharan Africa	2014	0.813554	0.640249

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Central Sub-Saharan Africa	2015	0.81476	0.642448
Central Sub-Saharan Africa	2016	0.815014	0.646596
Central Sub-Saharan Africa	2017	0.815435	0.651542
Central Sub-Saharan Africa	2018	0.813046	0.653874
Central Sub-Saharan Africa	2019	0.812155	0.657802
East Asia	1990	0.978254	0.818335
East Asia	1991	0.969935	0.811948
East Asia	1992	0.969225	0.811294
East Asia	1993	0.975501	0.816535
East Asia	1994	0.983547	0.817634
East Asia	1995	0.970594	0.806198
East Asia	1996	0.968826	0.803903
East Asia	1997	0.972998	0.805497

East Asia	1998	0.970348	0.796676
East Asia	1999	0.973644	0.800535
East Asia	2000	0.973907	0.806971
East Asia	2001	0.961738	0.796409
East Asia	2002	0.943917	0.783934
East Asia	2003	0.933697	0.779517
East Asia	2004	0.918842	0.76399
East Asia	2005	0.899777	0.742355
East Asia	2006	0.909001	0.745431
East Asia	2007	0.904869	0.737149
East Asia	2008	0.898908	0.729162
East Asia	2009	0.893633	0.720614
East Asia	2010	0.891647	0.714709

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East Asia	2011	0.88997	0.706791
East Asia	2012	0.868837	0.683317
East Asia	2013	0.864019	0.674571
East Asia	2014	0.860397	0.670162
East Asia	2015	0.851087	0.659093
East Asia	2016	0.854883	0.658215
East Asia	2017	0.873032	0.671291
East Asia	2018	0.892832	0.68718
East Asia	2019	0.901698	0.691723
Eastern Europe	1990	1.23365	0.659579
Eastern Europe	1991	1.234032	0.661635
Eastern Europe	1992	1.179967	0.645697
Eastern Europe	1993	1.111938	0.629129

Eastern Europe	1994	1.083014	0.624362
Eastern Europe	1995	1.097775	0.626929
Eastern Europe	1996	1.136801	0.636876
Eastern Europe	1997	1.189719	0.652769
Eastern Europe	1998	1.200466	0.655556
Eastern Europe	1999	1.165156	0.646959
Eastern Europe	2000	1.133588	0.634773
Eastern Europe	2001	1.144775	0.639602
Eastern Europe	2002	1.145428	0.641292
Eastern Europe	2003	1.148307	0.645278
Eastern Europe	2004	1.147171	0.643072
Eastern Europe	2005	1.129964	0.635679
Eastern Europe	2006	1.160568	0.640647

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Eastern Europe	2007	1.178074	0.645161
Eastern Europe	2008	1.173178	0.640809
Eastern Europe	2009	1.213267	0.652961
Eastern Europe	2010	1.216113	0.651057
Eastern Europe	2011	1.24856	0.661311
Eastern Europe	2012	1.26107	0.663132
Eastern Europe	2013	1.276739	0.668352
Eastern Europe	2014	1.282237	0.669976
Eastern Europe	2015	1.273576	0.668279
Eastern Europe	2016	1.293772	0.676652
Eastern Europe	2017	1.330071	0.693054
Eastern Europe	2018	1.325354	0.691408
Eastern Europe	2019	1.316541	0.688636

Eastern Sub-Saharan Africa	1990	0.723735	0.659766
Eastern Sub-Saharan Africa	1991	0.716556	0.652735
Eastern Sub-Saharan Africa	1992	0.71224	0.648871
Eastern Sub-Saharan Africa	1993	0.705678	0.643593
Eastern Sub-Saharan Africa	1994	0.702762	0.640668
Eastern Sub-Saharan Africa	1995	0.698844	0.636628
Eastern Sub-Saharan Africa	1996	0.697362	0.635147
Eastern Sub-Saharan Africa	1997	0.698754	0.636152
Eastern Sub-Saharan Africa	1998	0.702868	0.639227
Eastern Sub-Saharan Africa	1999	0.705082	0.639977
Eastern Sub-Saharan Africa	2000	0.700715	0.635388
Eastern Sub-Saharan Africa	2001	0.699235	0.632593
Eastern Sub-Saharan Africa	2002	0.700728	0.632842



Eastern Sub-Saharan Africa	2003	0.702876	0.634288
Eastern Sub-Saharan Africa	2004	0.704983	0.635906
Eastern Sub-Saharan Africa	2005	0.708518	0.638477
Eastern Sub-Saharan Africa	2006	0.707323	0.63662
Eastern Sub-Saharan Africa	2007	0.705661	0.634556
Eastern Sub-Saharan Africa	2008	0.703491	0.632789
Eastern Sub-Saharan Africa	2009	0.706474	0.635204
Eastern Sub-Saharan Africa	2010	0.711105	0.639797
Eastern Sub-Saharan Africa	2011	0.718351	0.646421
Eastern Sub-Saharan Africa	2012	0.723635	0.651391
Eastern Sub-Saharan Africa	2013	0.730521	0.657747
Eastern Sub-Saharan Africa	2014	0.735582	0.663012
Eastern Sub-Saharan Africa	2015	0.741687	0.668864

Eastern Sub-Saharan Africa	2016	0.745789	0.673767
Eastern Sub-Saharan Africa	2017	0.752803	0.681804
Eastern Sub-Saharan Africa	2018	0.757852	0.687995
Eastern Sub-Saharan Africa	2019	0.762287	0.693751
High-income Asia Pacific	1990	1.039751	0.667137
High-income Asia Pacific	1991	1.043418	0.661266
High-income Asia Pacific	1992	1.054406	0.660081
High-income Asia Pacific	1993	1.065479	0.660206
High-income Asia Pacific	1994	1.074912	0.660328
High-income Asia Pacific	1995	1.08229	0.66066
High-income Asia Pacific	1996	1.099512	0.667777
High-income Asia Pacific	1997	1.103374	0.665346
High-income Asia Pacific	1998	1.090814	0.652463

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High-income Asia Pacific	1999	1.080631	0.640419
High-income Asia Pacific	2000	1.077246	0.633324
High-income Asia Pacific	2001	1.078976	0.628989
High-income Asia Pacific	2002	1.083506	0.625751
High-income Asia Pacific	2003	1.079641	0.618161
High-income Asia Pacific	2004	1.086294	0.616881
High-income Asia Pacific	2005	1.078453	0.606349
High-income Asia Pacific	2006	1.085594	0.604766
High-income Asia Pacific	2007	1.076784	0.596348
High-income Asia Pacific	2008	1.064816	0.586519
High-income Asia Pacific	2009	1.046166	0.57464
High-income Asia Pacific	2010	1.038285	0.567576
High-income Asia Pacific	2011	1.055017	0.574227

High-income Asia Pacific	2012	1.065024	0.578891
High-income Asia Pacific	2013	1.07446	0.584658
High-income Asia Pacific	2014	1.080257	0.589475
High-income Asia Pacific	2015	1.084531	0.590498
High-income Asia Pacific	2016	1.093062	0.595518
High-income Asia Pacific	2017	1.092684	0.597114
High-income Asia Pacific	2018	1.106932	0.607797
High-income Asia Pacific	2019	1.109359	0.612461
High-income North America	1990	1.118132	0.672668
High-income North America	1991	1.117006	0.672201
High-income North America	1992	1.115077	0.671045
High-income North America	1993	1.113464	0.670112
High-income North America	1994	1.122594	0.675419

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High-income North America	1995	1.124872	0.677823
High-income North America	1996	1.141051	0.688329
High-income North America	1997	1.152169	0.697537
High-income North America	1998	1.158742	0.704401
High-income North America	1999	1.166107	0.713378
High-income North America	2000	1.177151	0.724467
High-income North America	2001	1.177024	0.729607
High-income North America	2002	1.16057	0.723799
High-income North America	2003	1.151264	0.723251
High-income North America	2004	1.157041	0.731177
High-income North America	2005	1.157996	0.736166
High-income North America	2006	1.168287	0.747508
High-income North America	2007	1.174861	0.756554

High-income North America	2008	1.157709	0.751119
High-income North America	2009	1.138461	0.745004
High-income North America	2010	1.115781	0.735584
High-income North America	2011	1.103844	0.734535
High-income North America	2012	1.083181	0.727639
High-income North America	2013	1.057522	0.717919
High-income North America	2014	1.05067	0.720224
High-income North America	2015	1.041592	0.720859
High-income North America	2016	1.023499	0.715467
High-income North America	2017	1.003664	0.707465
High-income North America	2018	0.977158	0.692149
High-income North America	2019	0.996235	0.70587
North Africa and Middle East	1990	0.992053	0.929902

North Africa and Middle East	1991	0.999587	0.945749
North Africa and Middle East	1992	0.9933	0.945798
North Africa and Middle East	1993	0.991348	0.94837
North Africa and Middle East	1994	0.994314	0.95637
North Africa and Middle East	1995	0.992249	0.956899
North Africa and Middle East	1996	0.997432	0.963296
North Africa and Middle East	1997	0.988848	0.952588
North Africa and Middle East	1998	0.984311	0.946822
North Africa and Middle East	1999	0.989991	0.956975
North Africa and Middle East	2000	0.99719	0.973325
North Africa and Middle East	2001	0.988859	0.958619
North Africa and Middle East	2002	0.972092	0.932539
North Africa and Middle East	2003	0.965162	0.921957

North Africa and Middle East	2004	0.972897	0.926071
North Africa and Middle East	2005	0.989718	0.947247
North Africa and Middle East	2006	1.004557	0.974732
North Africa and Middle East	2007	1.01095	0.99362
North Africa and Middle East	2008	1.017714	1.012304
North Africa and Middle East	2009	1.015727	1.017749
North Africa and Middle East	2010	1.014014	1.01966
North Africa and Middle East	2011	1.001629	1.011346
North Africa and Middle East	2012	1.002972	1.013633
North Africa and Middle East	2013	0.984389	0.993935
North Africa and Middle East	2014	0.990925	1.001141
North Africa and Middle East	2015	1.002549	1.012016
North Africa and Middle East	2016	1.010398	1.021392



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North Africa and Middle East	2017	1.014892	1.02737
North Africa and Middle East	2018	1.018101	1.032525
North Africa and Middle East	2019	1.017794	1.032346
Oceania	1990	0.714981	0.712764
Oceania	1991	0.713966	0.709276
Oceania	1992	0.715391	0.707661
Oceania	1993	0.716127	0.705628
Oceania	1994	0.717851	0.704957
Oceania	1995	0.720437	0.708679
Oceania	1996	0.728436	0.718749
Oceania	1997	0.73471	0.724774
Oceania	1998	0.74027	0.731
Oceania	1999	0.740747	0.73015

Oceania	2000	0.739459	0.729167
Oceania	2001	0.732115	0.724288
Oceania	2002	0.737227	0.727466
Oceania	2003	0.745093	0.73641
Oceania	2004	0.743631	0.734994
Oceania	2005	0.727771	0.719476
Oceania	2006	0.721573	0.712822
Oceania	2007	0.715807	0.705716
Oceania	2008	0.711278	0.705836
Oceania	2009	0.708497	0.704765
Oceania	2010	0.697016	0.695086
Oceania	2011	0.685978	0.686528
Oceania	2012	0.677235	0.68009

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Oceania	2013	0.672653	0.677716
Oceania	2014	0.668907	0.674571
Oceania	2015	0.668124	0.67487
Oceania	2016	0.667828	0.674982
Oceania	2017	0.664246	0.672026
Oceania	2018	0.659172	0.669561
Oceania	2019	0.660332	0.672439
South Asia	1990	0.66507	0.698583
South Asia	1991	0.661937	0.69396
South Asia	1992	0.675911	0.704971
South Asia	1993	0.671216	0.699226
South Asia	1994	0.670005	0.695142
South Asia	1995	0.673903	0.695892

South Asia	1996	0.673456	0.689668
South Asia	1997	0.675591	0.688244
South Asia	1998	0.68373	0.697407
South Asia	1999	0.682567	0.698546
South Asia	2000	0.669169	0.681507
South Asia	2001	0.669284	0.679742
South Asia	2002	0.667592	0.676094
South Asia	2003	0.654533	0.65867
South Asia	2004	0.648943	0.64878
South Asia	2005	0.646784	0.643141
South Asia	2006	0.64926	0.645759
South Asia	2007	0.650865	0.646551
South Asia	2008	0.644718	0.637315

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South Asia	2009	0.648902	0.634807
South Asia	2010	0.661674	0.639831
South Asia	2011	0.666136	0.642593
South Asia	2012	0.677551	0.653581
South Asia	2013	0.700175	0.664938
South Asia	2014	0.725503	0.679458
South Asia	2015	0.75062	0.703432
South Asia	2016	0.752504	0.708796
South Asia	2017	0.754074	0.711262
South Asia	2018	0.755202	0.708314
South Asia	2019	0.759717	0.712613
Southeast Asia	1990	0.996027	0.865118
Southeast Asia	1991	0.986435	0.857618

Southeast Asia	1992	0.979521	0.851068
Southeast Asia	1993	0.975002	0.847726
Southeast Asia	1994	0.966841	0.841815
Southeast Asia	1995	0.959653	0.8355
Southeast Asia	1996	0.958879	0.833157
Southeast Asia	1997	0.967228	0.835268
Southeast Asia	1998	0.968374	0.828115
Southeast Asia	1999	0.974419	0.832331
Southeast Asia	2000	0.982661	0.837888
Southeast Asia	2001	0.989978	0.845043
Southeast Asia	2002	1.00304	0.857111
Southeast Asia	2003	1.00702	0.86077
Southeast Asia	2004	1.010903	0.865647

Southeast Asia	2005	1.009594	0.864883
Southeast Asia	2006	1.006894	0.863283
Southeast Asia	2007	1.004802	0.862165
Southeast Asia	2008	0.998931	0.857502
Southeast Asia	2009	0.993168	0.853077
Southeast Asia	2010	0.985052	0.846161
Southeast Asia	2011	0.972286	0.836049
Southeast Asia	2012	0.961676	0.827129
Southeast Asia	2013	0.957614	0.824501
Southeast Asia	2014	0.947844	0.816169
Southeast Asia	2015	0.944072	0.811403
Southeast Asia	2016	0.944548	0.810911
Southeast Asia	2017	0.954061	0.817224

Southeast Asia	2018	0.963672	0.823881
Southeast Asia	2019	0.970656	0.827904
Southern Latin America	1990	0.836852	0.615026
Southern Latin America	1991	0.840997	0.616255
Southern Latin America	1992	0.838523	0.611796
Southern Latin America	1993	0.846781	0.613563
Southern Latin America	1994	0.858913	0.620038
Southern Latin America	1995	0.870687	0.623389
Southern Latin America	1996	0.877568	0.623542
Southern Latin America	1997	0.900245	0.635494
Southern Latin America	1998	0.924286	0.646916
Southern Latin America	1999	0.940666	0.653284
Southern Latin America	2000	0.951995	0.657239



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Southern Latin America	2001	0.954878	0.65674
Southern Latin America	2002	0.947038	0.648019
Southern Latin America	2003	0.954421	0.648565
Southern Latin America	2004	0.958557	0.647573
Southern Latin America	2005	0.957894	0.645642
Southern Latin America	2006	0.968127	0.651186
Southern Latin America	2007	0.96893	0.649748
Southern Latin America	2008	0.980789	0.657073
Southern Latin America	2009	0.982553	0.65619
Southern Latin America	2010	0.995161	0.660136
Southern Latin America	2011	1.000659	0.661048
Southern Latin America	2012	0.997452	0.658189
Southern Latin America	2013	1.004457	0.661778

Southern Latin America	2014	1.008837	0.663532
Southern Latin America	2015	1.005479	0.661634
Southern Latin America	2016	0.998337	0.657825
Southern Latin America	2017	0.994391	0.65736
Southern Latin America	2018	0.995722	0.662491
Southern Latin America	2019	0.992334	0.66318
Southern Sub-Saharan Africa	1990	0.799727	0.566804
Southern Sub-Saharan Africa	1991	0.776829	0.54927
Southern Sub-Saharan Africa	1992	0.820106	0.577714
Southern Sub-Saharan Africa	1993	0.774803	0.54824
Southern Sub-Saharan Africa	1994	0.788186	0.555732
Southern Sub-Saharan Africa	1995	0.709621	0.502163
Southern Sub-Saharan Africa	1996	0.706395	0.498609

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Southern Sub-Saharan Africa	1997	0.742709	0.519068
Southern Sub-Saharan Africa	1998	0.733636	0.510162
Southern Sub-Saharan Africa	1999	0.753431	0.518147
Southern Sub-Saharan Africa	2000	0.778592	0.53112
Southern Sub-Saharan Africa	2001	0.780906	0.52916
Southern Sub-Saharan Africa	2002	0.791602	0.532937
Southern Sub-Saharan Africa	2003	0.798728	0.534572
Southern Sub-Saharan Africa	2004	0.802828	0.536106
Southern Sub-Saharan Africa	2005	0.800053	0.534634
Southern Sub-Saharan Africa	2006	0.805583	0.537221
Southern Sub-Saharan Africa	2007	0.802574	0.536309
Southern Sub-Saharan Africa	2008	0.807065	0.539654
Southern Sub-Saharan Africa	2009	0.812728	0.542922

Southern Sub-Saharan Africa	2010	0.815654	0.542544
Southern Sub-Saharan Africa	2011	0.825888	0.547379
Southern Sub-Saharan Africa	2012	0.83456	0.554376
Southern Sub-Saharan Africa	2013	0.843888	0.56142
Southern Sub-Saharan Africa	2014	0.858826	0.572506
Southern Sub-Saharan Africa	2015	0.861626	0.576232
Southern Sub-Saharan Africa	2016	0.862458	0.57647
Southern Sub-Saharan Africa	2017	0.850199	0.571158
Southern Sub-Saharan Africa	2018	0.834525	0.564877
Southern Sub-Saharan Africa	2019	0.832604	0.566608
Tropical Latin America	1990	0.868384	0.734218
Tropical Latin America	1991	0.871664	0.732863
Tropical Latin America	1992	0.872822	0.730195

Tropical Latin America	1993	0.870659	0.725086
Tropical Latin America	1994	0.872989	0.725556
Tropical Latin America	1995	0.8882	0.736898
Tropical Latin America	1996	0.90161	0.748706
Tropical Latin America	1997	0.912623	0.755214
Tropical Latin America	1998	0.915054	0.754469
Tropical Latin America	1999	0.919973	0.756125
Tropical Latin America	2000	0.92274	0.755265
Tropical Latin America	2001	0.92301	0.75235
Tropical Latin America	2002	0.925579	0.750251
Tropical Latin America	2003	0.914222	0.737044
Tropical Latin America	2004	0.908803	0.729144
Tropical Latin America	2005	0.909014	0.726955

Tropical Latin America	2006	0.914548	0.728219
Tropical Latin America	2007	0.91622	0.726039
Tropical Latin America	2008	0.918839	0.724886
Tropical Latin America	2009	0.924596	0.725983
Tropical Latin America	2010	0.927897	0.724711
Tropical Latin America	2011	0.927844	0.721599
Tropical Latin America	2012	0.930201	0.720433
Tropical Latin America	2013	0.92795	0.715936
Tropical Latin America	2014	0.925154	0.711512
Tropical Latin America	2015	0.925393	0.70904
Tropical Latin America	2016	0.917662	0.700946
Tropical Latin America	2017	0.92015	0.701317
Tropical Latin America	2018	0.927136	0.707273

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Tropical Latin America	2019	0.922426	0.703827
Western Europe	1990	1.187221	0.636881
Western Europe	1991	1.17978	0.631171
Western Europe	1992	1.179064	0.629347
Western Europe	1993	1.181449	0.629072
Western Europe	1994	1.189826	0.632836
Western Europe	1995	1.191172	0.631937
Western Europe	1996	1.195132	0.632473
Western Europe	1997	1.206631	0.637573
Western Europe	1998	1.213062	0.641914
Western Europe	1999	1.216683	0.643583
Western Europe	2000	1.234761	0.651178
Western Europe	2001	1.2483	0.658031

Western Europe	2002	1.257153	0.663607
Western Europe	2003	1.260606	0.667379
Western Europe	2004	1.27021	0.674738
Western Europe	2005	1.276144	0.679276
Western Europe	2006	1.279993	0.683381
Western Europe	2007	1.283076	0.68944
Western Europe	2008	1.289726	0.697937
Western Europe	2009	1.287437	0.701796
Western Europe	2010	1.288567	0.70405
Western Europe	2011	1.303959	0.711458
Western Europe	2012	1.310276	0.715725
Western Europe	2013	1.313979	0.720856
Western Europe	2014	1.317178	0.725604



Western Europe	2015	1.310931	0.726156
Western Europe	2016	1.310262	0.730428
Western Europe	2017	1.285904	0.726461
Western Europe	2018	1.279483	0.731767
Western Europe	2019	1.263779	0.731772
Western Sub-Saharan Africa	1990	0.943231	0.876176
Western Sub-Saharan Africa	1991	0.93766	0.874746
Western Sub-Saharan Africa	1992	0.931574	0.874356
Western Sub-Saharan Africa	1993	0.922468	0.87055
Western Sub-Saharan Africa	1994	0.915253	0.867589
Western Sub-Saharan Africa	1995	0.906125	0.861331
Western Sub-Saharan Africa	1996	0.896934	0.855647
Western Sub-Saharan Africa	1997	0.893333	0.854683

Western Sub-Saharan Africa	1998	0.884804	0.84926
Western Sub-Saharan Africa	1999	0.870291	0.83736
Western Sub-Saharan Africa	2000	0.86047	0.828306
Western Sub-Saharan Africa	2001	0.852357	0.822349
Western Sub-Saharan Africa	2002	0.846533	0.817614
Western Sub-Saharan Africa	2003	0.839041	0.812645
Western Sub-Saharan Africa	2004	0.830404	0.80605
Western Sub-Saharan Africa	2005	0.822259	0.798324
Western Sub-Saharan Africa	2006	0.817552	0.793607
Western Sub-Saharan Africa	2007	0.812308	0.787728
Western Sub-Saharan Africa	2008	0.805224	0.779451
Western Sub-Saharan Africa	2009	0.79906	0.771461
Western Sub-Saharan Africa	2010	0.794901	0.76539

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Western Sub-Saharan Africa	2011	0.793234	0.761174
Western Sub-Saharan Africa	2012	0.793325	0.757741
Western Sub-Saharan Africa	2013	0.790147	0.750627
Western Sub-Saharan Africa	2014	0.79643	0.752517
Western Sub-Saharan Africa	2015	0.804319	0.755615
Western Sub-Saharan Africa	2016	0.812327	0.759468
Western Sub-Saharan Africa	2017	0.822265	0.764697
Western Sub-Saharan Africa	2018	0.830106	0.768468
Western Sub-Saharan Africa	2019	0.839655	0.773633

**Supplemental table 6. Death cases ratio between females to males and age-standardized death rate (ASDR) ratio between females to males in 204 countries and territories from 1990 to 2019 in 204 countries.**

location	year	Ratio of female to male death cases	Ratio of female ASDR to male ASDR
Afghanistan	1990	0.961218	0.963112
Afghanistan	1991	0.961054	0.95357
Afghanistan	1992	0.957648	0.93756
Afghanistan	1993	0.960475	0.930057
Afghanistan	1994	0.965727	0.927966
Afghanistan	1995	0.967031	0.922941
Afghanistan	1996	0.96932	0.918637
Afghanistan	1997	0.969684	0.912595
Afghanistan	1998	0.972555	0.909395
Afghanistan	1999	0.980011	0.90888
Afghanistan	2000	0.985626	0.909379
Afghanistan	2001	0.993832	0.910933
Afghanistan	2002	1.000351	0.912563
Afghanistan	2003	1.015199	0.919405
Afghanistan	2004	1.036288	0.930023
Afghanistan	2005	1.050515	0.939235
Afghanistan	2006	1.060058	0.943996
Afghanistan	2007	1.06658	0.947329
Afghanistan	2008	1.078541	0.954077
Afghanistan	2009	1.09462	0.962852
Afghanistan	2010	1.110446	0.974819

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Afghanistan	2011	1.121862	0.982551
Afghanistan	2012	1.126085	0.985505
Afghanistan	2013	1.135187	0.991014
Afghanistan	2014	1.143462	0.994594
Afghanistan	2015	1.148955	1.000242
Afghanistan	2016	1.158044	1.008886
Afghanistan	2017	1.170556	1.019302
Afghanistan	2018	1.180678	1.02524
Afghanistan	2019	1.191846	1.032065
Albania	1990	0.80288	0.611067
Albania	1991	0.824545	0.633067
Albania	1992	0.847876	0.64608
Albania	1993	0.8389	0.634173
Albania	1994	0.851827	0.63936
Albania	1995	0.863218	0.645539
Albania	1996	0.835124	0.620725
Albania	1997	0.820214	0.614118
Albania	1998	0.796342	0.603217
Albania	1999	0.836725	0.632571
Albania	2000	0.801031	0.607676
Albania	2001	0.800875	0.612752
Albania	2002	0.818988	0.631664
Albania	2003	0.829379	0.645643
Albania	2004	0.814148	0.640171
Albania	2005	0.844958	0.66871

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5	Albania	2006	0.861627	0.685951
6	Albania	2007	0.878193	0.701901
7	Albania	2008	0.873395	0.701159
8	Albania	2009	0.851996	0.687584
9	Albania	2010	0.836195	0.676588
10	Albania	2011	0.829811	0.676367
11	Albania	2012	0.835089	0.683686
12	Albania	2013	0.835903	0.687582
13	Albania	2014	0.819922	0.678315
14	Albania	2015	0.807743	0.670891
15	Albania	2016	0.816522	0.677372
16	Albania	2017	0.824754	0.682594
17	Albania	2018	0.833083	0.687361
18	Albania	2019	0.84051	0.691033
19	Algeria	1990	1.109457	1.137995
20	Algeria	1991	1.109573	1.103907
21	Algeria	1992	1.104276	1.086803
22	Algeria	1993	1.099944	1.074033
23	Algeria	1994	1.107022	1.066426
24	Algeria	1995	1.109373	1.065159
25	Algeria	1996	1.112722	1.065549
26	Algeria	1997	1.105399	1.055999
27	Algeria	1998	1.093316	1.043813
28	Algeria	1999	1.103667	1.053381
29	Algeria	2000	1.110872	1.065961
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Algeria	2001	1.113195	1.075515
Algeria	2002	1.11772	1.088375
Algeria	2003	1.119067	1.111271
Algeria	2004	1.136506	1.142565
Algeria	2005	1.14715	1.169811
Algeria	2006	1.15201	1.190973
Algeria	2007	1.155168	1.209171
Algeria	2008	1.15859	1.228457
Algeria	2009	1.163619	1.248209
Algeria	2010	1.177218	1.286784
Algeria	2011	1.186641	1.312148
Algeria	2012	1.189601	1.324703
Algeria	2013	1.204505	1.349103
Algeria	2014	1.219508	1.372427
Algeria	2015	1.223912	1.38569
Algeria	2016	1.212958	1.379575
Algeria	2017	1.211995	1.380939
Algeria	2018	1.241531	1.414697
Algeria	2019	1.249033	1.426351
American Samoa	1990	0.612611	0.596702
American Samoa	1991	0.61697	0.598437
American Samoa	1992	0.631844	0.608174
American Samoa	1993	0.653989	0.623514
American Samoa	1994	0.681528	0.645433
American Samoa	1995	0.704734	0.662102

American Samoa	1996	0.730556	0.680042
American Samoa	1997	0.750686	0.692616
American Samoa	1998	0.768062	0.702708
American Samoa	1999	0.803672	0.728942
American Samoa	2000	0.82894	0.746903
American Samoa	2001	0.858097	0.770038
American Samoa	2002	0.853244	0.762156
American Samoa	2003	0.879136	0.781717
American Samoa	2004	0.893409	0.791329
American Samoa	2005	0.864685	0.762067
American Samoa	2006	0.856831	0.751596
American Samoa	2007	0.840159	0.734654
American Samoa	2008	0.82017	0.71572
American Samoa	2009	0.807269	0.703181
American Samoa	2010	0.797999	0.692814
American Samoa	2011	0.806261	0.69851
American Samoa	2012	0.825197	0.714836
American Samoa	2013	0.829821	0.719759
American Samoa	2014	0.829493	0.720731
American Samoa	2015	0.835253	0.726995
American Samoa	2016	0.834591	0.726271
American Samoa	2017	0.83428	0.726919
American Samoa	2018	0.833313	0.727019
American Samoa	2019	0.832801	0.72741
Andorra	1990	0.788861	0.729791



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5	Andorra	1991	0.777657	0.721833
6	Andorra	1992	0.786613	0.72433
7	Andorra	1993	0.799267	0.736144
8	Andorra	1994	0.822512	0.748494
9	Andorra	1995	0.815241	0.73957
10	Andorra	1996	0.812205	0.734919
11	Andorra	1997	0.819344	0.731837
12	Andorra	1998	0.822769	0.728802
13	Andorra	1999	0.83361	0.726268
14	Andorra	2000	0.838352	0.725112
15	Andorra	2001	0.84257	0.723152
16	Andorra	2002	0.857376	0.721192
17	Andorra	2003	0.855856	0.717126
18	Andorra	2004	0.880115	0.725276
19	Andorra	2005	0.88978	0.727032
20	Andorra	2006	0.905426	0.732969
21	Andorra	2007	0.920575	0.73044
22	Andorra	2008	0.930871	0.739732
23	Andorra	2009	0.966364	0.755799
24	Andorra	2010	0.984365	0.766113
25	Andorra	2011	1.019081	0.772799
26	Andorra	2012	1.070344	0.791319
27	Andorra	2013	1.089581	0.811453
28	Andorra	2014	1.126724	0.832771
29	Andorra	2015	1.162229	0.859118
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Andorra	2016	1.164998	0.860014
Andorra	2017	1.180541	0.862883
Andorra	2018	1.169541	0.866757
Andorra	2019	1.178874	0.871085
Angola	1990	0.537106	0.457811
Angola	1991	0.544217	0.460671
Angola	1992	0.551135	0.46428
Angola	1993	0.559343	0.468348
Angola	1994	0.567008	0.47207
Angola	1995	0.57392	0.474355
Angola	1996	0.582053	0.476191
Angola	1997	0.592023	0.480883
Angola	1998	0.602272	0.487081
Angola	1999	0.616042	0.494658
Angola	2000	0.625475	0.49915
Angola	2001	0.625067	0.497084
Angola	2002	0.651311	0.513815
Angola	2003	0.668571	0.527179
Angola	2004	0.671047	0.528362
Angola	2005	0.66996	0.528374
Angola	2006	0.653598	0.518225
Angola	2007	0.639537	0.508693
Angola	2008	0.641562	0.510323
Angola	2009	0.636395	0.509296
Angola	2010	0.633737	0.507852

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Angola	2011	0.627955	0.505033
Angola	2012	0.619494	0.500108
Angola	2013	0.615684	0.497491
Angola	2014	0.611861	0.494839
Angola	2015	0.618424	0.500956
Angola	2016	0.629456	0.509579
Angola	2017	0.635562	0.517839
Angola	2018	0.641232	0.523674
Angola	2019	0.647501	0.530396
Antigua and Barbuda	1990	0.666514	0.446543
Antigua and Barbuda	1991	0.715685	0.478107
Antigua and Barbuda	1992	0.714282	0.479608
Antigua and Barbuda	1993	0.732266	0.493697
Antigua and Barbuda	1994	0.736436	0.499464
Antigua and Barbuda	1995	0.737658	0.502559
Antigua and Barbuda	1996	0.834084	0.578888
Antigua and Barbuda	1997	0.849233	0.599587
Antigua and Barbuda	1998	0.856383	0.615655
Antigua and Barbuda	1999	0.86549	0.631337
Antigua and Barbuda	2000	0.88497	0.654818
Antigua and Barbuda	2001	0.922952	0.693046
Antigua and Barbuda	2002	0.937509	0.716928
Antigua and Barbuda	2003	0.931884	0.725553
Antigua and Barbuda	2004	0.928461	0.73322
Antigua and Barbuda	2005	0.915143	0.734142

Antigua and Barbuda	2006	0.886643	0.717462
Antigua and Barbuda	2007	0.737094	0.586594
Antigua and Barbuda	2008	0.740284	0.585623
Antigua and Barbuda	2009	0.834307	0.66124
Antigua and Barbuda	2010	0.855069	0.67682
Antigua and Barbuda	2011	0.878277	0.69395
Antigua and Barbuda	2012	0.910791	0.720486
Antigua and Barbuda	2013	0.946769	0.754748
Antigua and Barbuda	2014	0.946533	0.756041
Antigua and Barbuda	2015	0.944465	0.754486
Antigua and Barbuda	2016	0.949086	0.759164
Antigua and Barbuda	2017	0.961636	0.775668
Antigua and Barbuda	2018	0.955232	0.775363
Antigua and Barbuda	2019	0.938257	0.764103
Argentina	1990	0.816301	0.592396
Argentina	1991	0.81505	0.589561
Argentina	1992	0.809108	0.582187
Argentina	1993	0.820178	0.585302
Argentina	1994	0.835615	0.593134
Argentina	1995	0.852727	0.599872
Argentina	1996	0.864933	0.604446
Argentina	1997	0.887958	0.615809
Argentina	1998	0.911821	0.626255
Argentina	1999	0.926667	0.630847
Argentina	2000	0.937797	0.633938

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5	Argentina	2001	0.936522	0.629952
6	Argentina	2002	0.926919	0.620389
7	Argentina	2003	0.93253	0.619629
8	Argentina	2004	0.932059	0.61577
9	Argentina	2005	0.927467	0.611552
10	Argentina	2006	0.939197	0.617824
11	Argentina	2007	0.941492	0.617118
12	Argentina	2008	0.95441	0.62448
13	Argentina	2009	0.959719	0.625646
14	Argentina	2010	0.973276	0.629635
15	Argentina	2011	0.975477	0.628524
16	Argentina	2012	0.967782	0.622803
17	Argentina	2013	0.976495	0.626864
18	Argentina	2014	0.98453	0.630903
19	Argentina	2015	0.977509	0.626764
20	Argentina	2016	0.966372	0.620702
21	Argentina	2017	0.958121	0.617106
22	Argentina	2018	0.958598	0.622691
23	Argentina	2019	0.954191	0.623212
24	Armenia	1990	0.780068	0.518728
25	Armenia	1991	0.765191	0.508548
26	Armenia	1992	0.777493	0.518524
27	Armenia	1993	0.769502	0.514966
28	Armenia	1994	0.767158	0.520619
29	Armenia	1995	0.837447	0.570209
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Armenia	1996	0.883948	0.61161
Armenia	1997	0.932501	0.658905
Armenia	1998	0.992186	0.709891
Armenia	1999	0.977642	0.704145
Armenia	2000	0.989377	0.713448
Armenia	2001	0.993407	0.722184
Armenia	2002	0.975439	0.707534
Armenia	2003	0.984779	0.705606
Armenia	2004	0.973642	0.687817
Armenia	2005	0.955851	0.670541
Armenia	2006	0.928028	0.650275
Armenia	2007	1.000884	0.697835
Armenia	2008	0.930024	0.654575
Armenia	2009	0.907739	0.639381
Armenia	2010	0.891967	0.618215
Armenia	2011	0.858252	0.593996
Armenia	2012	0.895746	0.620641
Armenia	2013	0.90243	0.62339
Armenia	2014	0.879924	0.604729
Armenia	2015	0.827098	0.568261
Armenia	2016	0.836569	0.574202
Armenia	2017	0.838073	0.573061
Armenia	2018	0.837492	0.569781
Armenia	2019	0.833053	0.566864
Australia	1990	1.294494	0.755478

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Australia	1991	1.288997	0.756474
Australia	1992	1.268926	0.745579
Australia	1993	1.241153	0.728202
Australia	1994	1.226829	0.71809
Australia	1995	1.231699	0.722381
Australia	1996	1.205226	0.709841
Australia	1997	1.191066	0.708118
Australia	1998	1.152601	0.688628
Australia	1999	1.152189	0.689831
Australia	2000	1.138176	0.683865
Australia	2001	1.12561	0.679441
Australia	2002	1.117703	0.674985
Australia	2003	1.095849	0.664528
Australia	2004	1.115103	0.677657
Australia	2005	1.135883	0.692902
Australia	2006	1.143659	0.700868
Australia	2007	1.154737	0.713041
Australia	2008	1.155029	0.717956
Australia	2009	1.164055	0.73019
Australia	2010	1.152713	0.728706
Australia	2011	1.141979	0.729099
Australia	2012	1.137162	0.734577
Australia	2013	1.125903	0.736751
Australia	2014	1.120436	0.740431
Australia	2015	1.10876	0.740356

Australia	2016	1.102751	0.742331
Australia	2017	1.080546	0.734664
Australia	2018	1.068638	0.734484
Australia	2019	1.053569	0.730815
Austria	1990	1.516235	0.715717
Austria	1991	1.500515	0.705711
Austria	1992	1.491132	0.697389
Austria	1993	1.491922	0.696126
Austria	1994	1.498083	0.695299
Austria	1995	1.517538	0.698785
Austria	1996	1.50472	0.689712
Austria	1997	1.501237	0.682791
Austria	1998	1.494367	0.680545
Austria	1999	1.525297	0.695688
Austria	2000	1.552982	0.710282
Austria	2001	1.556454	0.717181
Austria	2002	1.552057	0.722238
Austria	2003	1.575332	0.743031
Austria	2004	1.543781	0.734121
Austria	2005	1.566323	0.744065
Austria	2006	1.565154	0.746048
Austria	2007	1.574945	0.754747
Austria	2008	1.579287	0.761531
Austria	2009	1.5496	0.756153
Austria	2010	1.565489	0.765797



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5	Austria	2011	1.588252	0.779744
6	Austria	2012	1.601134	0.789644
7	Austria	2013	1.61478	0.803998
8	Austria	2014	1.618171	0.816704
9	Austria	2015	1.585412	0.805686
10	Austria	2016	1.587994	0.814803
11	Austria	2017	1.567843	0.81588
12	Austria	2018	1.545369	0.82056
13	Austria	2019	1.510565	0.817641
14	Azerbaijan	1990	0.884919	0.65096
15	Azerbaijan	1991	0.863564	0.647523
16	Azerbaijan	1992	0.804415	0.631196
17	Azerbaijan	1993	0.807115	0.640708
18	Azerbaijan	1994	0.824097	0.657869
19	Azerbaijan	1995	0.899597	0.689805
20	Azerbaijan	1996	0.926688	0.699384
21	Azerbaijan	1997	0.933708	0.708992
22	Azerbaijan	1998	0.951881	0.72596
23	Azerbaijan	1999	0.959192	0.7351
24	Azerbaijan	2000	0.953873	0.735509
25	Azerbaijan	2001	0.94505	0.732781
26	Azerbaijan	2002	0.929063	0.726587
27	Azerbaijan	2003	0.922196	0.729547
28	Azerbaijan	2004	0.911869	0.736815
29	Azerbaijan	2005	0.903185	0.741571
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Azerbaijan	2006	0.897948	0.739822
Azerbaijan	2007	0.893294	0.736339
Azerbaijan	2008	0.88655	0.739216
Azerbaijan	2009	0.895969	0.749957
Azerbaijan	2010	0.897182	0.756723
Azerbaijan	2011	0.886579	0.749297
Azerbaijan	2012	0.889392	0.748078
Azerbaijan	2013	0.896214	0.759684
Azerbaijan	2014	0.915751	0.771163
Azerbaijan	2015	0.928454	0.781904
Azerbaijan	2016	0.941756	0.786452
Azerbaijan	2017	0.948794	0.792003
Azerbaijan	2018	0.959219	0.807247
Azerbaijan	2019	0.964069	0.81359
Bahamas	1990	0.86923	0.637024
Bahamas	1991	0.873246	0.641249
Bahamas	1992	0.886863	0.654543
Bahamas	1993	0.874838	0.651853
Bahamas	1994	0.865065	0.646329
Bahamas	1995	0.858317	0.644723
Bahamas	1996	0.882475	0.662296
Bahamas	1997	0.890227	0.668356
Bahamas	1998	0.896911	0.667434
Bahamas	1999	0.913152	0.670192
Bahamas	2000	0.946792	0.688855

Bahamas	2001	0.933287	0.683256
Bahamas	2002	0.961431	0.708425
Bahamas	2003	0.980276	0.723078
Bahamas	2004	0.969473	0.729096
Bahamas	2005	0.976416	0.747939
Bahamas	2006	0.965569	0.746845
Bahamas	2007	0.959604	0.750593
Bahamas	2008	0.937636	0.735607
Bahamas	2009	0.95849	0.756095
Bahamas	2010	0.962004	0.755122
Bahamas	2011	0.94786	0.745734
Bahamas	2012	0.940035	0.743227
Bahamas	2013	0.993174	0.800607
Bahamas	2014	0.966604	0.786467
Bahamas	2015	0.93935	0.758471
Bahamas	2016	0.934359	0.754261
Bahamas	2017	0.929223	0.75145
Bahamas	2018	0.912342	0.733095
Bahamas	2019	0.901126	0.718165
Bahrain	1990	0.96846	1.011246
Bahrain	1991	0.955936	0.993367
Bahrain	1992	0.958204	1.008735
Bahrain	1993	0.960542	1.032361
Bahrain	1994	0.914769	0.98154
Bahrain	1995	0.867259	0.918159

Bahrain	1996	0.880086	0.927939
Bahrain	1997	0.841479	0.867421
Bahrain	1998	0.897658	0.909906
Bahrain	1999	0.990692	1.012986
Bahrain	2000	0.997978	1.079099
Bahrain	2001	0.962072	1.099497
Bahrain	2002	0.944778	1.025992
Bahrain	2003	0.88681	0.932096
Bahrain	2004	0.893684	0.94323
Bahrain	2005	0.879997	0.951966
Bahrain	2006	0.845168	0.936137
Bahrain	2007	0.816137	0.921743
Bahrain	2008	0.771081	0.894059
Bahrain	2009	0.739982	0.877059
Bahrain	2010	0.703531	0.858101
Bahrain	2011	0.690148	0.841018
Bahrain	2012	0.696111	0.81503
Bahrain	2013	0.724384	0.856791
Bahrain	2014	0.754134	0.915374
Bahrain	2015	0.761763	0.942064
Bahrain	2016	0.781626	0.985433
Bahrain	2017	0.787411	1.010453
Bahrain	2018	0.761454	0.999448
Bahrain	2019	0.75058	1.006894
Bangladesh	1990	0.3804	0.716382

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Bangladesh	1991	0.375512	0.70697
Bangladesh	1992	0.395376	0.732929
Bangladesh	1993	0.404917	0.739799
Bangladesh	1994	0.4091	0.741698
Bangladesh	1995	0.419216	0.749634
Bangladesh	1996	0.415382	0.737888
Bangladesh	1997	0.41797	0.73412
Bangladesh	1998	0.43435	0.780599
Bangladesh	1999	0.454088	0.839102
Bangladesh	2000	0.453657	0.843641
Bangladesh	2001	0.459795	0.853859
Bangladesh	2002	0.467849	0.862316
Bangladesh	2003	0.464491	0.839155
Bangladesh	2004	0.462154	0.815733
Bangladesh	2005	0.466528	0.798544
Bangladesh	2006	0.46469	0.773923
Bangladesh	2007	0.454664	0.734806
Bangladesh	2008	0.464322	0.733483
Bangladesh	2009	0.490683	0.758337
Bangladesh	2010	0.52175	0.778736
Bangladesh	2011	0.542118	0.797312
Bangladesh	2012	0.565715	0.822096
Bangladesh	2013	0.586354	0.836184
Bangladesh	2014	0.60748	0.848881
Bangladesh	2015	0.637512	0.868537

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5	Bangladesh	2016	0.660278	0.882671
6	Bangladesh	2017	0.678338	0.88952
7	Bangladesh	2018	0.698971	0.899008
8	Bangladesh	2019	0.718894	0.907048
9	Barbados	1990	0.894527	0.616642
10	Barbados	1991	0.905157	0.626068
11	Barbados	1992	0.886093	0.614058
12	Barbados	1993	0.840365	0.584046
13	Barbados	1994	0.798121	0.552412
14	Barbados	1995	0.797847	0.547842
15	Barbados	1996	0.802923	0.548148
16	Barbados	1997	0.829481	0.563764
17	Barbados	1998	0.91285	0.619466
18	Barbados	1999	1.051021	0.713134
19	Barbados	2000	1.129813	0.771219
20	Barbados	2001	1.164329	0.804694
21	Barbados	2002	1.098412	0.766947
22	Barbados	2003	1.060014	0.743981
23	Barbados	2004	1.049906	0.73631
24	Barbados	2005	1.035049	0.730984
25	Barbados	2006	1.025381	0.726048
26	Barbados	2007	1.03494	0.730463
27	Barbados	2008	1.071119	0.755906
28	Barbados	2009	1.186422	0.840113
29	Barbados	2010	1.20559	0.861409
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5	Barbados	2011	1.256207	0.903078
6	Barbados	2012	1.232002	0.894855
7	Barbados	2013	1.244512	0.910245
8	Barbados	2014	1.226329	0.90563
9	Barbados	2015	1.219095	0.909021
10	Barbados	2016	1.20731	0.908776
11	Barbados	2017	1.18224	0.898411
12	Barbados	2018	1.136632	0.87408
13	Barbados	2019	1.057898	0.823784
14	Belarus	1990	1.222737	0.546785
15	Belarus	1991	1.222589	0.542306
16	Belarus	1992	1.222354	0.541995
17	Belarus	1993	1.194195	0.528192
18	Belarus	1994	1.198027	0.525786
19	Belarus	1995	1.190682	0.524236
20	Belarus	1996	1.19779	0.529672
21	Belarus	1997	1.201862	0.530403
22	Belarus	1998	1.180566	0.522256
23	Belarus	1999	1.17349	0.525554
24	Belarus	2000	1.181038	0.537008
25	Belarus	2001	1.11243	0.527535
26	Belarus	2002	0.992516	0.514932
27	Belarus	2003	0.965662	0.512927
28	Belarus	2004	0.987739	0.51748
29	Belarus	2005	0.949344	0.490265
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5	Belarus	2006	0.967082	0.492058
6	Belarus	2007	1.016222	0.523081
7	Belarus	2008	0.997675	0.511675
8	Belarus	2009	1.034343	0.52553
9	Belarus	2010	1.035253	0.522242
10	Belarus	2011	1.052963	0.526143
11	Belarus	2012	1.118591	0.540565
12	Belarus	2013	1.163733	0.552405
13	Belarus	2014	1.170396	0.54707
14	Belarus	2015	1.17895	0.546572
15	Belarus	2016	1.200354	0.553718
16	Belarus	2017	1.181	0.545909
17	Belarus	2018	1.181577	0.547002
18	Belarus	2019	1.173258	0.544368
19	Belgium	1990	1.421385	0.740877
20	Belgium	1991	1.423942	0.735281
21	Belgium	1992	1.445789	0.734188
22	Belgium	1993	1.462333	0.731138
23	Belgium	1994	1.49978	0.74798
24	Belgium	1995	1.496972	0.743446
25	Belgium	1996	1.496832	0.734692
26	Belgium	1997	1.509634	0.737004
27	Belgium	1998	1.514908	0.74002
28	Belgium	1999	1.502728	0.733028
29	Belgium	2000	1.557667	0.760407
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Belgium	2001	1.583938	0.775911
Belgium	2002	1.586992	0.779042
Belgium	2003	1.581673	0.780405
Belgium	2004	1.568962	0.781184
Belgium	2005	1.5535	0.78059
Belgium	2006	1.536952	0.778674
Belgium	2007	1.518508	0.773984
Belgium	2008	1.485609	0.766927
Belgium	2009	1.472726	0.767742
Belgium	2010	1.455233	0.765906
Belgium	2011	1.438783	0.760722
Belgium	2012	1.407827	0.747317
Belgium	2013	1.420968	0.757718
Belgium	2014	1.426814	0.762059
Belgium	2015	1.453753	0.777867
Belgium	2016	1.443727	0.774551
Belgium	2017	1.418192	0.768017
Belgium	2018	1.412215	0.771966
Belgium	2019	1.395084	0.770581
Belize	1990	1.00662	0.972825
Belize	1991	0.965362	0.94683
Belize	1992	0.931144	0.91186
Belize	1993	0.932714	0.918929
Belize	1994	0.931709	0.919944
Belize	1995	0.88969	0.890978

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5	Belize	1996	0.867909	0.868761
6	Belize	1997	0.814316	0.808436
7	Belize	1998	0.749212	0.736919
8	Belize	1999	0.714264	0.689447
9	Belize	2000	0.743064	0.711691
10	Belize	2001	0.79908	0.763506
11	Belize	2002	0.851249	0.81938
12	Belize	2003	0.884077	0.854598
13	Belize	2004	0.886352	0.861362
14	Belize	2005	0.904799	0.880318
15	Belize	2006	0.936253	0.920596
16	Belize	2007	0.939889	0.93118
17	Belize	2008	0.921785	0.919071
18	Belize	2009	0.920857	0.923895
19	Belize	2010	0.915009	0.919982
20	Belize	2011	0.925972	0.936544
21	Belize	2012	0.928028	0.938017
22	Belize	2013	0.940011	0.951449
23	Belize	2014	0.926192	0.934737
24	Belize	2015	0.870335	0.87185
25	Belize	2016	0.849205	0.852208
26	Belize	2017	0.845053	0.848611
27	Belize	2018	0.837958	0.836727
28	Belize	2019	0.830969	0.825455
29	Benin	1990	0.79431	0.718407
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5	Benin	1991	0.787919	0.71165
6	Benin	1992	0.789963	0.712579
7	Benin	1993	0.792025	0.710205
8	Benin	1994	0.794905	0.70809
9	Benin	1995	0.79705	0.707537
10	Benin	1996	0.797238	0.702469
11	Benin	1997	0.79723	0.69874
12	Benin	1998	0.792817	0.690638
13	Benin	1999	0.787169	0.680281
14	Benin	2000	0.789476	0.67662
15	Benin	2001	0.791888	0.674468
16	Benin	2002	0.795861	0.672453
17	Benin	2003	0.805334	0.676195
18	Benin	2004	0.820154	0.684018
19	Benin	2005	0.837154	0.694794
20	Benin	2006	0.854647	0.70472
21	Benin	2007	0.870698	0.715176
22	Benin	2008	0.864989	0.708258
23	Benin	2009	0.861007	0.704984
24	Benin	2010	0.856749	0.700102
25	Benin	2011	0.848411	0.694153
26	Benin	2012	0.842619	0.6896
27	Benin	2013	0.831281	0.682766
28	Benin	2014	0.834141	0.686071
29	Benin	2015	0.836716	0.687831
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5	Benin	2016	0.841937	0.693924
6	Benin	2017	0.845774	0.698568
7	Benin	2018	0.84839	0.702366
8	Benin	2019	0.84808	0.705069
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10	Bermuda	1990	0.754029	0.536264
11	Bermuda	1991	0.779454	0.553886
12	Bermuda	1992	0.840547	0.599338
13	Bermuda	1993	0.854096	0.607478
14	Bermuda	1994	0.872814	0.618957
15	Bermuda	1995	0.898129	0.634928
16	Bermuda	1996	0.888039	0.626096
17	Bermuda	1997	0.889982	0.625837
18	Bermuda	1998	0.898389	0.629455
19	Bermuda	1999	0.901327	0.628074
20	Bermuda	2000	0.917436	0.635426
21	Bermuda	2001	0.930333	0.644094
22	Bermuda	2002	0.916068	0.634163
23	Bermuda	2003	0.872629	0.604624
24	Bermuda	2004	0.847269	0.587719
25	Bermuda	2005	0.818464	0.567361
26	Bermuda	2006	0.787899	0.546584
27	Bermuda	2007	0.77141	0.533994
28	Bermuda	2008	0.766299	0.528829
29	Bermuda	2009	0.771124	0.5311
30	Bermuda	2010	0.759957	0.523274
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Bermuda	2011	0.75285	0.518281
Bermuda	2012	0.746253	0.51245
Bermuda	2013	0.749626	0.513518
Bermuda	2014	0.757856	0.518891
Bermuda	2015	0.769205	0.52558
Bermuda	2016	0.777422	0.531834
Bermuda	2017	0.777963	0.532703
Bermuda	2018	0.776396	0.531267
Bermuda	2019	0.774579	0.529411
Bhutan	1990	1.150997	0.961563
Bhutan	1991	1.159768	0.976396
Bhutan	1992	1.161489	0.988481
Bhutan	1993	1.162582	1.002648
Bhutan	1994	1.16165	1.015731
Bhutan	1995	1.161533	1.029975
Bhutan	1996	1.155882	1.038013
Bhutan	1997	1.14839	1.044638
Bhutan	1998	1.132276	1.043871
Bhutan	1999	1.117843	1.044833
Bhutan	2000	1.104612	1.044609
Bhutan	2001	1.082835	1.036621
Bhutan	2002	1.060601	1.028499
Bhutan	2003	1.048045	1.026816
Bhutan	2004	1.048342	1.036155
Bhutan	2005	1.045514	1.041306

Bhutan	2006	1.040212	1.045284
Bhutan	2007	1.04562	1.054329
Bhutan	2008	1.020866	1.035328
Bhutan	2009	0.990419	1.00997
Bhutan	2010	0.976659	0.999512
Bhutan	2011	0.963328	0.988538
Bhutan	2012	0.954794	0.981532
Bhutan	2013	0.951871	0.978607
Bhutan	2014	0.951886	0.977927
Bhutan	2015	0.944963	0.969948
Bhutan	2016	0.93875	0.962066
Bhutan	2017	0.941255	0.962716
Bhutan	2018	0.945337	0.964172
Bhutan	2019	0.95056	0.966948
Bolivia (Plurinational State of)	1990	0.961256	0.803475
Bolivia (Plurinational State of)	1991	0.974811	0.817495
Bolivia (Plurinational State of)	1992	1.002636	0.843273
Bolivia (Plurinational State of)	1993	1.017767	0.858119
Bolivia (Plurinational State of)	1994	1.033256	0.87403
Bolivia (Plurinational State of)	1995	1.024883	0.870068
Bolivia (Plurinational State of)	1996	1.017566	0.866427
Bolivia (Plurinational State of)	1997	1.007971	0.861273
Bolivia (Plurinational State of)	1998	0.984129	0.841985
Bolivia (Plurinational State of)	1999	0.966015	0.827632
Bolivia (Plurinational State of)	2000	0.962713	0.824518

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Bolivia (Plurinational State of)	2001	0.958932	0.820473
Bolivia (Plurinational State of)	2002	0.976256	0.835383
Bolivia (Plurinational State of)	2003	0.98302	0.842998
Bolivia (Plurinational State of)	2004	0.994413	0.853175
Bolivia (Plurinational State of)	2005	1.000176	0.857717
Bolivia (Plurinational State of)	2006	0.994393	0.853639
Bolivia (Plurinational State of)	2007	1.012508	0.870734
Bolivia (Plurinational State of)	2008	1.012945	0.872046
Bolivia (Plurinational State of)	2009	1.014013	0.874569
Bolivia (Plurinational State of)	2010	1.020693	0.882007
Bolivia (Plurinational State of)	2011	1.0303	0.892378
Bolivia (Plurinational State of)	2012	1.042369	0.905194
Bolivia (Plurinational State of)	2013	1.032939	0.899283
Bolivia (Plurinational State of)	2014	1.009051	0.880472
Bolivia (Plurinational State of)	2015	1.012061	0.885248
Bolivia (Plurinational State of)	2016	1.029472	0.902983
Bolivia (Plurinational State of)	2017	1.025379	0.901278
Bolivia (Plurinational State of)	2018	1.020638	0.898737
Bolivia (Plurinational State of)	2019	1.018462	0.897773
Bosnia and Herzegovina	1990	1.29983	0.970983
Bosnia and Herzegovina	1991	1.288569	0.978089
Bosnia and Herzegovina	1992	1.355309	1.027289
Bosnia and Herzegovina	1993	1.329285	0.98292
Bosnia and Herzegovina	1994	1.34116	0.988002
Bosnia and Herzegovina	1995	1.337425	0.976078

Bosnia and Herzegovina	1996	1.330841	0.969336
Bosnia and Herzegovina	1997	1.386711	1.048084
Bosnia and Herzegovina	1998	1.325447	0.989462
Bosnia and Herzegovina	1999	1.299408	0.931218
Bosnia and Herzegovina	2000	1.218634	0.856607
Bosnia and Herzegovina	2001	1.246342	0.884627
Bosnia and Herzegovina	2002	1.214282	0.851942
Bosnia and Herzegovina	2003	1.13905	0.783318
Bosnia and Herzegovina	2004	1.143951	0.790536
Bosnia and Herzegovina	2005	1.040577	0.726236
Bosnia and Herzegovina	2006	1.06114	0.738709
Bosnia and Herzegovina	2007	1.0373	0.726447
Bosnia and Herzegovina	2008	1.018065	0.713553
Bosnia and Herzegovina	2009	1.009822	0.716932
Bosnia and Herzegovina	2010	1.0141	0.719194
Bosnia and Herzegovina	2011	0.981583	0.69969
Bosnia and Herzegovina	2012	1.005197	0.710447
Bosnia and Herzegovina	2013	1.013019	0.708952
Bosnia and Herzegovina	2014	1.038881	0.725823
Bosnia and Herzegovina	2015	1.049397	0.736441
Bosnia and Herzegovina	2016	1.040546	0.735288
Bosnia and Herzegovina	2017	1.040503	0.737686
Bosnia and Herzegovina	2018	1.04249	0.738539
Bosnia and Herzegovina	2019	1.043485	0.74054
Botswana	1990	0.537137	0.414065



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Botswana	1991	0.529932	0.411447
Botswana	1992	0.518595	0.406089
Botswana	1993	0.500924	0.397237
Botswana	1994	0.475532	0.382303
Botswana	1995	0.445387	0.362409
Botswana	1996	0.411066	0.337684
Botswana	1997	0.38692	0.317997
Botswana	1998	0.388996	0.316316
Botswana	1999	0.399472	0.320642
Botswana	2000	0.419352	0.331758
Botswana	2001	0.440807	0.343843
Botswana	2002	0.462907	0.35598
Botswana	2003	0.48127	0.365153
Botswana	2004	0.485173	0.364081
Botswana	2005	0.486513	0.361465
Botswana	2006	0.486971	0.359767
Botswana	2007	0.517909	0.376773
Botswana	2008	0.56281	0.404718
Botswana	2009	0.590041	0.421971
Botswana	2010	0.61666	0.43976
Botswana	2011	0.650044	0.462337
Botswana	2012	0.673408	0.478454
Botswana	2013	0.698869	0.496157
Botswana	2014	0.729034	0.517204
Botswana	2015	0.736907	0.525176

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5	Botswana	2016	0.736744	0.527736
6	Botswana	2017	0.741796	0.534897
7	Botswana	2018	0.745507	0.541574
8	Botswana	2019	0.749048	0.547359
9				
10	Brazil	1990	0.868292	0.734531
11	Brazil	1991	0.871669	0.733028
12	Brazil	1992	0.873059	0.730412
13	Brazil	1993	0.870166	0.724411
14	Brazil	1994	0.872946	0.725148
15	Brazil	1995	0.888112	0.736283
16	Brazil	1996	0.901793	0.748348
17	Brazil	1997	0.912694	0.754577
18	Brazil	1998	0.915702	0.754223
19	Brazil	1999	0.920762	0.755906
20	Brazil	2000	0.923142	0.754715
21	Brazil	2001	0.92368	0.75192
22	Brazil	2002	0.926329	0.749707
23	Brazil	2003	0.914675	0.736203
24	Brazil	2004	0.908924	0.728108
25	Brazil	2005	0.909099	0.725899
26	Brazil	2006	0.914362	0.726873
27	Brazil	2007	0.917005	0.725326
28	Brazil	2008	0.919568	0.724005
29	Brazil	2009	0.926131	0.725645
30	Brazil	2010	0.929564	0.724421
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Brazil	2011	0.929337	0.72113
Brazil	2012	0.932485	0.720529
Brazil	2013	0.929513	0.715356
Brazil	2014	0.928064	0.711744
Brazil	2015	0.93	0.710368
Brazil	2016	0.921374	0.701534
Brazil	2017	0.923842	0.701841
Brazil	2018	0.931119	0.708035
Brazil	2019	0.926425	0.704651
Brunei Darussalam	1990	0.730035	0.53404
Brunei Darussalam	1991	0.74702	0.551392
Brunei Darussalam	1992	0.753832	0.561922
Brunei Darussalam	1993	0.761973	0.573017
Brunei Darussalam	1994	0.802694	0.622696
Brunei Darussalam	1995	0.817759	0.648665
Brunei Darussalam	1996	0.850126	0.700386
Brunei Darussalam	1997	0.894011	0.778129
Brunei Darussalam	1998	0.873648	0.765259
Brunei Darussalam	1999	0.871369	0.763791
Brunei Darussalam	2000	0.894188	0.798016
Brunei Darussalam	2001	0.90963	0.83227
Brunei Darussalam	2002	0.886411	0.780404
Brunei Darussalam	2003	0.854292	0.71243
Brunei Darussalam	2004	0.859174	0.715514
Brunei Darussalam	2005	0.84762	0.690099

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5	Brunei Darussalam	2006	0.852917	0.685786
6	Brunei Darussalam	2007	0.882095	0.739274
7	Brunei Darussalam	2008	0.862392	0.697695
8	Brunei Darussalam	2009	0.856274	0.659067
9	Brunei Darussalam	2010	0.855225	0.645933
10	Brunei Darussalam	2011	0.874377	0.639123
11	Brunei Darussalam	2012	0.893294	0.618207
12	Brunei Darussalam	2013	0.887434	0.591531
13	Brunei Darussalam	2014	0.889551	0.570037
14	Brunei Darussalam	2015	0.908183	0.567185
15	Brunei Darussalam	2016	0.908363	0.560784
16	Brunei Darussalam	2017	0.899665	0.555
17	Brunei Darussalam	2018	0.897283	0.547615
18	Brunei Darussalam	2019	0.897071	0.549288
19	Bulgaria	1990	0.784462	0.633343
20	Bulgaria	1991	0.8026	0.650828
21	Bulgaria	1992	0.791893	0.644128
22	Bulgaria	1993	0.768757	0.619671
23	Bulgaria	1994	0.766644	0.616116
24	Bulgaria	1995	0.784155	0.626033
25	Bulgaria	1996	0.792337	0.62834
26	Bulgaria	1997	0.81624	0.64351
27	Bulgaria	1998	0.810752	0.633696
28	Bulgaria	1999	0.84948	0.659797
29	Bulgaria	2000	0.827353	0.634195
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Bulgaria	2001	0.799274	0.605875
Bulgaria	2002	0.784054	0.590177
Bulgaria	2003	0.761885	0.573417
Bulgaria	2004	0.750577	0.563872
Bulgaria	2005	0.737531	0.550685
Bulgaria	2006	0.740673	0.551365
Bulgaria	2007	0.742368	0.548454
Bulgaria	2008	0.735157	0.539766
Bulgaria	2009	0.733233	0.536161
Bulgaria	2010	0.744196	0.543393
Bulgaria	2011	0.738048	0.535808
Bulgaria	2012	0.742174	0.534777
Bulgaria	2013	0.748018	0.538745
Bulgaria	2014	0.757692	0.54565
Bulgaria	2015	0.768527	0.55158
Bulgaria	2016	0.751909	0.541118
Bulgaria	2017	0.748123	0.537571
Bulgaria	2018	0.757731	0.540935
Bulgaria	2019	0.759446	0.540909
Burkina Faso	1990	0.829528	0.714538
Burkina Faso	1991	0.822189	0.708491
Burkina Faso	1992	0.828201	0.71154
Burkina Faso	1993	0.826131	0.708344
Burkina Faso	1994	0.828671	0.709142
Burkina Faso	1995	0.832397	0.710774

Burkina Faso	1996	0.840602	0.718042
Burkina Faso	1997	0.855196	0.729615
Burkina Faso	1998	0.864386	0.736372
Burkina Faso	1999	0.878543	0.745592
Burkina Faso	2000	0.896482	0.757597
Burkina Faso	2001	0.900208	0.758025
Burkina Faso	2002	0.911224	0.761005
Burkina Faso	2003	0.922792	0.770118
Burkina Faso	2004	0.93218	0.777212
Burkina Faso	2005	0.936739	0.780345
Burkina Faso	2006	0.941423	0.78412
Burkina Faso	2007	0.937418	0.779712
Burkina Faso	2008	0.932447	0.771837
Burkina Faso	2009	0.932103	0.767737
Burkina Faso	2010	0.933339	0.766071
Burkina Faso	2011	0.936167	0.762728
Burkina Faso	2012	0.933527	0.758505
Burkina Faso	2013	0.934327	0.753482
Burkina Faso	2014	0.946187	0.758672
Burkina Faso	2015	0.965308	0.770071
Burkina Faso	2016	0.981429	0.778676
Burkina Faso	2017	0.997016	0.7884
Burkina Faso	2018	1.006615	0.794704
Burkina Faso	2019	1.016562	0.801219
Burundi	1990	0.687664	0.563286

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Burundi	1991	0.694366	0.567374
Burundi	1992	0.699582	0.571893
Burundi	1993	0.698081	0.573959
Burundi	1994	0.696463	0.575131
Burundi	1995	0.698699	0.57815
Burundi	1996	0.712302	0.591291
Burundi	1997	0.719895	0.601894
Burundi	1998	0.728608	0.614085
Burundi	1999	0.737929	0.625256
Burundi	2000	0.734877	0.628305
Burundi	2001	0.734869	0.631386
Burundi	2002	0.733492	0.633296
Burundi	2003	0.733389	0.637925
Burundi	2004	0.729231	0.640778
Burundi	2005	0.718246	0.63823
Burundi	2006	0.703513	0.630502
Burundi	2007	0.683863	0.619678
Burundi	2008	0.666624	0.612776
Burundi	2009	0.663426	0.614655
Burundi	2010	0.660953	0.616004
Burundi	2011	0.656466	0.616586
Burundi	2012	0.654089	0.619867
Burundi	2013	0.652141	0.622567
Burundi	2014	0.6494	0.625271
Burundi	2015	0.644695	0.62811

Burundi	2016	0.636883	0.629837
Burundi	2017	0.631132	0.632785
Burundi	2018	0.628577	0.636035
Burundi	2019	0.624937	0.639786
Cabo Verde	1990	0.785566	0.5739
Cabo Verde	1991	0.799078	0.581168
Cabo Verde	1992	0.800885	0.580711
Cabo Verde	1993	0.780252	0.565062
Cabo Verde	1994	0.769012	0.55496
Cabo Verde	1995	0.760016	0.546382
Cabo Verde	1996	0.725456	0.51886
Cabo Verde	1997	0.676563	0.479908
Cabo Verde	1998	0.676536	0.473741
Cabo Verde	1999	0.676218	0.467118
Cabo Verde	2000	0.68503	0.466719
Cabo Verde	2001	0.686608	0.46229
Cabo Verde	2002	0.688755	0.458328
Cabo Verde	2003	0.690284	0.453906
Cabo Verde	2004	0.687477	0.446744
Cabo Verde	2005	0.684518	0.439673
Cabo Verde	2006	0.777244	0.500204
Cabo Verde	2007	0.816068	0.528048
Cabo Verde	2008	0.819805	0.532151
Cabo Verde	2009	0.824293	0.537742
Cabo Verde	2010	0.83081	0.546195



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Cabo Verde	2011	0.853879	0.565047
Cabo Verde	2012	0.875334	0.583896
Cabo Verde	2013	0.871868	0.58662
Cabo Verde	2014	0.904058	0.616563
Cabo Verde	2015	0.942277	0.652128
Cabo Verde	2016	1.004837	0.705484
Cabo Verde	2017	0.957232	0.681284
Cabo Verde	2018	0.696343	0.470762
Cabo Verde	2019	0.705846	0.473874
Cambodia	1990	1.272435	0.929989
Cambodia	1991	1.277283	0.931682
Cambodia	1992	1.287046	0.936978
Cambodia	1993	1.299802	0.944499
Cambodia	1994	1.311296	0.951699
Cambodia	1995	1.305299	0.947258
Cambodia	1996	1.305278	0.945959
Cambodia	1997	1.294164	0.937495
Cambodia	1998	1.282978	0.929409
Cambodia	1999	1.272036	0.922534
Cambodia	2000	1.259729	0.913971
Cambodia	2001	1.246865	0.905562
Cambodia	2002	1.239166	0.900746
Cambodia	2003	1.227679	0.89253
Cambodia	2004	1.212898	0.88247
Cambodia	2005	1.193716	0.869231

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5	Cambodia	2006	1.18145	0.860138
6	Cambodia	2007	1.164389	0.848923
7	Cambodia	2008	1.148449	0.838274
8	Cambodia	2009	1.137969	0.830565
9	Cambodia	2010	1.134267	0.827896
10	Cambodia	2011	1.13422	0.827352
11	Cambodia	2012	1.135837	0.828119
12	Cambodia	2013	1.140934	0.831604
13	Cambodia	2014	1.14328	0.833467
14	Cambodia	2015	1.144017	0.833629
15	Cambodia	2016	1.146845	0.835286
16	Cambodia	2017	1.150349	0.836871
17	Cambodia	2018	1.152662	0.837604
18	Cambodia	2019	1.155105	0.838245
19	Cameroon	1990	1.147025	1.039542
20	Cameroon	1991	1.13009	1.023941
21	Cameroon	1992	1.11613	1.010117
22	Cameroon	1993	1.09613	0.991193
23	Cameroon	1994	1.085801	0.980193
24	Cameroon	1995	1.066587	0.962355
25	Cameroon	1996	1.04273	0.941254
26	Cameroon	1997	1.038881	0.934436
27	Cameroon	1998	1.030364	0.926553
28	Cameroon	1999	1.010618	0.908515
29	Cameroon	2000	0.99371	0.892449
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5	Cameroon	2001	0.973748	0.875349
6	Cameroon	2002	0.961464	0.860027
7	Cameroon	2003	0.950572	0.851844
8	Cameroon	2004	0.939277	0.843458
9	Cameroon	2005	0.925508	0.832964
10	Cameroon	2006	0.916299	0.824142
11	Cameroon	2007	0.904462	0.813191
12	Cameroon	2008	0.886022	0.796672
13	Cameroon	2009	0.876197	0.787422
14	Cameroon	2010	0.879262	0.788679
15	Cameroon	2011	0.880561	0.789209
16	Cameroon	2012	0.878504	0.786955
17	Cameroon	2013	0.876201	0.784414
18	Cameroon	2014	0.88642	0.793444
19	Cameroon	2015	0.894119	0.799428
20	Cameroon	2016	0.901086	0.806824
21	Cameroon	2017	0.904634	0.810746
22	Cameroon	2018	0.904815	0.812334
23	Cameroon	2019	0.906643	0.815062
24	Canada	1990	1.071669	0.656583
25	Canada	1991	1.068419	0.651509
26	Canada	1992	1.072055	0.651547
27	Canada	1993	1.062733	0.64336
28	Canada	1994	1.071188	0.646973
29	Canada	1995	1.056516	0.635922
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Canada	1996	1.06505	0.637783
Canada	1997	1.053599	0.628887
Canada	1998	1.053543	0.626099
Canada	1999	1.048713	0.618933
Canada	2000	1.075001	0.633436
Canada	2001	1.081442	0.635703
Canada	2002	1.090276	0.639234
Canada	2003	1.086281	0.636843
Canada	2004	1.090858	0.638593
Canada	2005	1.111257	0.652645
Canada	2006	1.138485	0.671429
Canada	2007	1.147179	0.680731
Canada	2008	1.155455	0.690482
Canada	2009	1.15475	0.694508
Canada	2010	1.166421	0.707449
Canada	2011	1.162524	0.712348
Canada	2012	1.14527	0.710073
Canada	2013	1.132927	0.710844
Canada	2014	1.127098	0.715051
Canada	2015	1.11813	0.716868
Canada	2016	1.106954	0.71676
Canada	2017	1.094248	0.715128
Canada	2018	1.074678	0.709354
Canada	2019	1.062453	0.707807
Central African Republic	1990	0.605335	0.494503

Central African Republic	1991	0.595076	0.488287
Central African Republic	1992	0.579631	0.476163
Central African Republic	1993	0.593358	0.485861
Central African Republic	1994	0.597356	0.488188
Central African Republic	1995	0.60126	0.490392
Central African Republic	1996	0.606962	0.494629
Central African Republic	1997	0.606767	0.493809
Central African Republic	1998	0.60576	0.491861
Central African Republic	1999	0.601875	0.487075
Central African Republic	2000	0.599029	0.482639
Central African Republic	2001	0.598767	0.482322
Central African Republic	2002	0.601461	0.484166
Central African Republic	2003	0.60518	0.487199
Central African Republic	2004	0.605982	0.487695
Central African Republic	2005	0.60574	0.486763
Central African Republic	2006	0.606321	0.485265
Central African Republic	2007	0.605549	0.483734
Central African Republic	2008	0.602208	0.479866
Central African Republic	2009	0.602173	0.479239
Central African Republic	2010	0.600321	0.478502
Central African Republic	2011	0.601359	0.479995
Central African Republic	2012	0.604953	0.483166
Central African Republic	2013	0.609224	0.485905
Central African Republic	2014	0.609242	0.485843
Central African Republic	2015	0.606339	0.484164

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5	Central African Republic	2016	0.601069	0.48213
6	Central African Republic	2017	0.596947	0.480092
7	Central African Republic	2018	0.594318	0.478991
8	Central African Republic	2019	0.592694	0.479463
9	Chad	1990	0.834872	0.761775
10	Chad	1991	0.821838	0.752272
11	Chad	1992	0.80896	0.744471
12	Chad	1993	0.792107	0.732762
13	Chad	1994	0.769123	0.714465
14	Chad	1995	0.753542	0.702173
15	Chad	1996	0.731651	0.68299
16	Chad	1997	0.713377	0.666729
17	Chad	1998	0.700701	0.655117
18	Chad	1999	0.682246	0.638162
19	Chad	2000	0.669872	0.626096
20	Chad	2001	0.662084	0.61966
21	Chad	2002	0.65693	0.616713
22	Chad	2003	0.654422	0.618421
23	Chad	2004	0.644129	0.613396
24	Chad	2005	0.63571	0.610532
25	Chad	2006	0.628836	0.607959
26	Chad	2007	0.622864	0.607788
27	Chad	2008	0.614477	0.605515
28	Chad	2009	0.603446	0.603535
29	Chad	2010	0.597793	0.602175
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Chad	2011	0.591857	0.601036
Chad	2012	0.586086	0.600795
Chad	2013	0.582037	0.600969
Chad	2014	0.578729	0.604162
Chad	2015	0.577133	0.606962
Chad	2016	0.577592	0.611944
Chad	2017	0.579311	0.618026
Chad	2018	0.579088	0.621805
Chad	2019	0.578632	0.626191
Chile	1990	0.975267	0.789928
Chile	1991	1.004222	0.810795
Chile	1992	1.03789	0.832208
Chile	1993	1.027902	0.817282
Chile	1994	1.024455	0.811473
Chile	1995	1.007339	0.788872
Chile	1996	0.980229	0.755604
Chile	1997	0.99706	0.765156
Chile	1998	1.032587	0.788071
Chile	1999	1.05249	0.799165
Chile	2000	1.06127	0.804204
Chile	2001	1.073648	0.813752
Chile	2002	1.076179	0.809961
Chile	2003	1.080699	0.808243
Chile	2004	1.09034	0.810053
Chile	2005	1.098112	0.812524

Chile	2006	1.101727	0.813429
Chile	2007	1.099118	0.810954
Chile	2008	1.101981	0.816507
Chile	2009	1.087498	0.804882
Chile	2010	1.090558	0.803135
Chile	2011	1.106878	0.813052
Chile	2012	1.114865	0.818805
Chile	2013	1.110409	0.816162
Chile	2014	1.0971	0.804446
Chile	2015	1.100775	0.805611
Chile	2016	1.103035	0.806088
Chile	2017	1.114846	0.814555
Chile	2018	1.11631	0.815553
Chile	2019	1.114836	0.814624
China	1990	0.967823	0.814115
China	1991	0.958559	0.806344
China	1992	0.957942	0.80596
China	1993	0.964164	0.811179
China	1994	0.973764	0.813081
China	1995	0.959877	0.800819
China	1996	0.957836	0.79771
China	1997	0.962476	0.799933
China	1998	0.959408	0.790422
China	1999	0.962405	0.793427
China	2000	0.96278	0.800564



China	2001	0.950333	0.789064
China	2002	0.932042	0.776288
China	2003	0.921262	0.772159
China	2004	0.906997	0.757937
China	2005	0.88725	0.735528
China	2006	0.897301	0.739151
China	2007	0.892122	0.729779
China	2008	0.88588	0.720897
China	2009	0.880109	0.711189
China	2010	0.877856	0.705003
China	2011	0.877119	0.697836
China	2012	0.854498	0.672527
China	2013	0.849703	0.664253
China	2014	0.845928	0.661064
China	2015	0.836498	0.650847
China	2016	0.840203	0.651806
China	2017	0.858599	0.666526
China	2018	0.878564	0.683378
China	2019	0.887628	0.688388
Colombia	1990	0.92605	0.87332
Colombia	1991	0.88317	0.835151
Colombia	1992	0.881827	0.827676
Colombia	1993	0.897087	0.835138
Colombia	1994	0.897415	0.830507
Colombia	1995	0.883693	0.818259

Colombia	1996	0.860237	0.790636
Colombia	1997	0.876126	0.798379
Colombia	1998	0.887859	0.799727
Colombia	1999	0.863474	0.772837
Colombia	2000	0.849005	0.755909
Colombia	2001	0.850541	0.749405
Colombia	2002	0.737513	0.644557
Colombia	2003	0.823671	0.713566
Colombia	2004	0.815959	0.70425
Colombia	2005	0.846694	0.725794
Colombia	2006	0.823752	0.702385
Colombia	2007	0.834971	0.708499
Colombia	2008	0.821626	0.69362
Colombia	2009	0.771829	0.648857
Colombia	2010	0.78163	0.652348
Colombia	2011	0.791119	0.65474
Colombia	2012	0.786915	0.647334
Colombia	2013	0.795163	0.650472
Colombia	2014	0.847073	0.690264
Colombia	2015	0.832346	0.676081
Colombia	2016	0.829521	0.671116
Colombia	2017	0.828961	0.667807
Colombia	2018	0.843668	0.676432
Colombia	2019	0.843713	0.675001
Comoros	1990	0.733786	0.662082

Comoros	1991	0.7402	0.663758
Comoros	1992	0.745905	0.664646
Comoros	1993	0.757544	0.670189
Comoros	1994	0.766249	0.672645
Comoros	1995	0.775972	0.676143
Comoros	1996	0.789989	0.682161
Comoros	1997	0.802756	0.68778
Comoros	1998	0.828547	0.704046
Comoros	1999	0.860904	0.725442
Comoros	2000	0.88092	0.738351
Comoros	2001	0.907113	0.756097
Comoros	2002	0.917167	0.761638
Comoros	2003	0.939988	0.777236
Comoros	2004	0.947701	0.781221
Comoros	2005	0.953186	0.787593
Comoros	2006	0.96207	0.788326
Comoros	2007	0.950667	0.783126
Comoros	2008	0.954273	0.785029
Comoros	2009	0.965166	0.788867
Comoros	2010	0.983476	0.796443
Comoros	2011	0.986429	0.798943
Comoros	2012	0.993435	0.803484
Comoros	2013	0.994148	0.805074
Comoros	2014	0.99033	0.809445
Comoros	2015	0.995551	0.813129

Comoros	2016	1.000726	0.815787
Comoros	2017	1.006585	0.819901
Comoros	2018	1.010868	0.821308
Comoros	2019	1.012969	0.822834
Congo	1990	0.751571	0.620385
Congo	1991	0.757008	0.620743
Congo	1992	0.751454	0.61207
Congo	1993	0.767738	0.621074
Congo	1994	0.793581	0.640092
Congo	1995	0.807649	0.649302
Congo	1996	0.843536	0.675503
Congo	1997	0.849181	0.678751
Congo	1998	0.861181	0.681345
Congo	1999	0.873966	0.688289
Congo	2000	0.887117	0.693063
Congo	2001	0.894852	0.695199
Congo	2002	0.91501	0.707194
Congo	2003	0.938097	0.727745
Congo	2004	0.965721	0.749928
Congo	2005	0.999334	0.777948
Congo	2006	1.01017	0.790931
Congo	2007	1.01219	0.799437
Congo	2008	1.011191	0.805224
Congo	2009	1.001536	0.805305
Congo	2010	1.005744	0.814986

Congo	2011	0.995978	0.812365
Congo	2012	0.976587	0.809515
Congo	2013	0.96994	0.812844
Congo	2014	0.962707	0.814701
Congo	2015	0.950028	0.810594
Congo	2016	0.936194	0.807464
Congo	2017	0.929756	0.808413
Congo	2018	0.918173	0.804938
Congo	2019	0.907093	0.801955
Cook Islands	1990	0.731273	0.737078
Cook Islands	1991	0.714071	0.722799
Cook Islands	1992	0.703288	0.713012
Cook Islands	1993	0.694466	0.703081
Cook Islands	1994	0.691835	0.697671
Cook Islands	1995	0.690798	0.693392
Cook Islands	1996	0.692286	0.692624
Cook Islands	1997	0.691053	0.690664
Cook Islands	1998	0.687318	0.687769
Cook Islands	1999	0.678993	0.681139
Cook Islands	2000	0.670422	0.674048
Cook Islands	2001	0.676639	0.680259
Cook Islands	2002	0.677434	0.678221
Cook Islands	2003	0.672888	0.667111
Cook Islands	2004	0.672924	0.657395
Cook Islands	2005	0.660459	0.636278

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5	Cook Islands	2006	0.662874	0.630598
6	Cook Islands	2007	0.655072	0.618395
7	Cook Islands	2008	0.655387	0.615491
8	Cook Islands	2009	0.660637	0.619082
9	Cook Islands	2010	0.662691	0.621673
10	Cook Islands	2011	0.64694	0.607209
11	Cook Islands	2012	0.643794	0.603641
12	Cook Islands	2013	0.648095	0.605316
13	Cook Islands	2014	0.648776	0.602425
14	Cook Islands	2015	0.646748	0.597015
15	Cook Islands	2016	0.64459	0.590916
16	Cook Islands	2017	0.657328	0.598123
17	Cook Islands	2018	0.665537	0.601679
18	Cook Islands	2019	0.673095	0.605095
19	Costa Rica	1990	0.842686	0.780245
20	Costa Rica	1991	0.846408	0.779555
21	Costa Rica	1992	0.801387	0.735808
22	Costa Rica	1993	0.822401	0.751924
23	Costa Rica	1994	0.818493	0.744542
24	Costa Rica	1995	0.809652	0.735454
25	Costa Rica	1996	0.823017	0.742523
26	Costa Rica	1997	0.81881	0.739022
27	Costa Rica	1998	0.833152	0.75157
28	Costa Rica	1999	0.772513	0.695838
29	Costa Rica	2000	0.772973	0.691908
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Costa Rica	2001	0.792404	0.706965
Costa Rica	2002	0.785335	0.698226
Costa Rica	2003	0.789385	0.699126
Costa Rica	2004	0.775158	0.685789
Costa Rica	2005	0.823794	0.726354
Costa Rica	2006	0.794886	0.69863
Costa Rica	2007	0.804319	0.704393
Costa Rica	2008	0.802687	0.700785
Costa Rica	2009	0.824271	0.715522
Costa Rica	2010	0.752826	0.65028
Costa Rica	2011	0.779381	0.666415
Costa Rica	2012	0.797407	0.675406
Costa Rica	2013	0.796876	0.669869
Costa Rica	2014	0.79033	0.658754
Costa Rica	2015	0.788694	0.653029
Costa Rica	2016	0.795657	0.658021
Costa Rica	2017	0.805902	0.664662
Costa Rica	2018	0.785138	0.644119
Costa Rica	2019	0.794065	0.647561
Croatia	1990	1.120185	0.65127
Croatia	1991	1.125968	0.653247
Croatia	1992	1.121772	0.655144
Croatia	1993	1.111291	0.645602
Croatia	1994	1.121473	0.65099
Croatia	1995	1.139708	0.659749

Croatia	1996	1.161451	0.665951
Croatia	1997	1.152629	0.651192
Croatia	1998	1.166428	0.64639
Croatia	1999	1.196099	0.654948
Croatia	2000	1.216367	0.660369
Croatia	2001	1.220003	0.655333
Croatia	2002	1.248965	0.670539
Croatia	2003	1.232678	0.662375
Croatia	2004	1.28712	0.691856
Croatia	2005	1.241395	0.66823
Croatia	2006	1.256257	0.676099
Croatia	2007	1.282833	0.69208
Croatia	2008	1.256338	0.68161
Croatia	2009	1.257667	0.683845
Croatia	2010	1.318366	0.725261
Croatia	2011	1.290008	0.714134
Croatia	2012	1.250825	0.693977
Croatia	2013	1.318069	0.727072
Croatia	2014	1.304176	0.721959
Croatia	2015	1.322415	0.740471
Croatia	2016	1.287002	0.722383
Croatia	2017	1.265466	0.716749
Croatia	2018	1.256311	0.71655
Croatia	2019	1.242454	0.714384
Cuba	1990	0.727847	0.702803



Cuba	1991	0.724469	0.694605
Cuba	1992	0.729795	0.694633
Cuba	1993	0.720995	0.682637
Cuba	1994	0.70017	0.659501
Cuba	1995	0.738602	0.691371
Cuba	1996	0.766014	0.714588
Cuba	1997	0.765753	0.712793
Cuba	1998	0.800248	0.743681
Cuba	1999	0.812952	0.753939
Cuba	2000	0.881295	0.814171
Cuba	2001	0.959164	0.883325
Cuba	2002	0.988012	0.90707
Cuba	2003	1.02399	0.936121
Cuba	2004	1.061575	0.965081
Cuba	2005	1.074199	0.973171
Cuba	2006	1.080161	0.975409
Cuba	2007	1.094049	0.985931
Cuba	2008	1.115955	1.001873
Cuba	2009	1.088237	0.972591
Cuba	2010	1.080138	0.961158
Cuba	2011	1.104658	0.980563
Cuba	2012	1.059809	0.939556
Cuba	2013	1.057449	0.934553
Cuba	2014	1.045602	0.920903
Cuba	2015	1.024565	0.900839

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5	Cuba	2016	0.999353	0.875106
6	Cuba	2017	0.976223	0.851947
7	Cuba	2018	0.979438	0.850798
8	Cuba	2019	0.984318	0.851479
9	Cyprus	1990	0.973492	0.995284
10	Cyprus	1991	0.870799	0.852337
11	Cyprus	1992	0.836617	0.776383
12	Cyprus	1993	0.865602	0.768364
13	Cyprus	1994	0.894084	0.769336
14	Cyprus	1995	0.884558	0.755664
15	Cyprus	1996	0.850063	0.727604
16	Cyprus	1997	0.836166	0.718292
17	Cyprus	1998	0.862069	0.738631
18	Cyprus	1999	0.890677	0.7614
19	Cyprus	2000	0.839486	0.709185
20	Cyprus	2001	0.828953	0.682359
21	Cyprus	2002	0.831988	0.672456
22	Cyprus	2003	0.888021	0.684125
23	Cyprus	2004	0.889668	0.677149
24	Cyprus	2005	0.883011	0.659401
25	Cyprus	2006	0.876697	0.632202
26	Cyprus	2007	0.867611	0.61137
27	Cyprus	2008	0.874585	0.601709
28	Cyprus	2009	0.842293	0.542734
29	Cyprus	2010	0.842268	0.527126
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5	Cyprus	2011	0.902202	0.551805
6	Cyprus	2012	0.932618	0.566257
7	Cyprus	2013	0.954078	0.588914
8	Cyprus	2014	0.981005	0.618201
9	Cyprus	2015	0.972019	0.633882
10	Cyprus	2016	0.994398	0.701614
11	Cyprus	2017	1.049295	0.817407
12	Cyprus	2018	1.005187	0.80001
13	Cyprus	2019	0.963696	0.782896
14	Czechia	1990	1.016176	0.624468
15	Czechia	1991	1.092255	0.665403
16	Czechia	1992	1.114824	0.676432
17	Czechia	1993	1.165005	0.705793
18	Czechia	1994	1.161923	0.705491
19	Czechia	1995	1.221828	0.746068
20	Czechia	1996	1.210004	0.738504
21	Czechia	1997	1.2386	0.75613
22	Czechia	1998	1.243416	0.755395
23	Czechia	1999	1.216241	0.737046
24	Czechia	2000	1.251442	0.756081
25	Czechia	2001	1.23813	0.748034
26	Czechia	2002	1.232174	0.737573
27	Czechia	2003	1.2408	0.740963
28	Czechia	2004	1.219882	0.723872
29	Czechia	2005	1.260818	0.743677
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Czechia	2006	1.263043	0.740681
Czechia	2007	1.254411	0.738889
Czechia	2008	1.2398	0.735183
Czechia	2009	1.218698	0.726824
Czechia	2010	1.206849	0.719868
Czechia	2011	1.208496	0.722033
Czechia	2012	1.210538	0.724006
Czechia	2013	1.220183	0.728389
Czechia	2014	1.220982	0.727287
Czechia	2015	1.22085	0.726128
Czechia	2016	1.216345	0.725895
Czechia	2017	1.174381	0.703135
Czechia	2018	1.163977	0.704178
Czechia	2019	1.15844	0.708733
C Ț te d'Ivoire	1990	0.608796	0.660555
C Ț te d'Ivoire	1991	0.595623	0.644126
C Ț te d'Ivoire	1992	0.578152	0.627977
C Ț te d'Ivoire	1993	0.56919	0.618807
C Ț te d'Ivoire	1994	0.557509	0.606066
C Ț te d'Ivoire	1995	0.549824	0.596539
C Ț te d'Ivoire	1996	0.548132	0.592989
C Ț te d'Ivoire	1997	0.552384	0.594317
C Ț te d'Ivoire	1998	0.559997	0.597753
C Ț te d'Ivoire	1999	0.564649	0.599111
C Ț te d'Ivoire	2000	0.571707	0.601928

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5	C 么 te d'Ivoire	2001	0.585033	0.608489
6	C 么 te d'Ivoire	2002	0.595451	0.615232
7	C 么 te d'Ivoire	2003	0.602649	0.618669
8	C 么 te d'Ivoire	2004	0.604192	0.619534
9	C 么 te d'Ivoire	2005	0.613897	0.625708
10	C 么 te d'Ivoire	2006	0.622914	0.631968
11	C 么 te d'Ivoire	2007	0.625933	0.632453
12	C 么 te d'Ivoire	2008	0.630376	0.635391
13	C 么 te d'Ivoire	2009	0.632111	0.63704
14	C 么 te d'Ivoire	2010	0.629477	0.635272
15	C 么 te d'Ivoire	2011	0.627319	0.633461
16	C 么 te d'Ivoire	2012	0.625624	0.632268
17	C 么 te d'Ivoire	2013	0.623281	0.631079
18	C 么 te d'Ivoire	2014	0.62667	0.635978
19	C 么 te d'Ivoire	2015	0.631361	0.641248
20	C 么 te d'Ivoire	2016	0.635046	0.64627
21	C 么 te d'Ivoire	2017	0.637611	0.650224
22	C 么 te d'Ivoire	2018	0.641324	0.658071
23	C 么 te d'Ivoire	2019	0.643183	0.663257
24	Democratic People's Republic of Korea	1990	1.519679	0.93015
25	Democratic People's Republic of Korea	1991	1.517594	0.928075
26	Democratic People's Republic of Korea	1992	1.515332	0.925618
27	Democratic People's Republic of Korea	1993	1.511403	0.922131
28	Democratic People's Republic of Korea	1994	1.508383	0.918629
29	Democratic People's Republic of Korea	1995	1.50472	0.916326
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5	Democratic People's Republic of Korea	1996	1.499132	0.914125
6	Democratic People's Republic of Korea	1997	1.48746	0.907333
7	Democratic People's Republic of Korea	1998	1.47484	0.898221
8	Democratic People's Republic of Korea	1999	1.465112	0.889807
9	Democratic People's Republic of Korea	2000	1.457588	0.883
10	Democratic People's Republic of Korea	2001	1.449234	0.87407
11	Democratic People's Republic of Korea	2002	1.439481	0.863734
12	Democratic People's Republic of Korea	2003	1.428879	0.857005
13	Democratic People's Republic of Korea	2004	1.420628	0.85164
14	Democratic People's Republic of Korea	2005	1.413032	0.846354
15	Democratic People's Republic of Korea	2006	1.408239	0.843679
16	Democratic People's Republic of Korea	2007	1.404697	0.842011
17	Democratic People's Republic of Korea	2008	1.404365	0.842973
18	Democratic People's Republic of Korea	2009	1.405944	0.8431
19	Democratic People's Republic of Korea	2010	1.404803	0.841923
20	Democratic People's Republic of Korea	2011	1.398525	0.838881
21	Democratic People's Republic of Korea	2012	1.386802	0.833673
22	Democratic People's Republic of Korea	2013	1.371735	0.82762
23	Democratic People's Republic of Korea	2014	1.353179	0.81921
24	Democratic People's Republic of Korea	2015	1.335352	0.811898
25	Democratic People's Republic of Korea	2016	1.318845	0.806027
26	Democratic People's Republic of Korea	2017	1.307835	0.803468
27	Democratic People's Republic of Korea	2018	1.299564	0.802576
28	Democratic People's Republic of Korea	2019	1.295109	0.802939
29	Democratic Republic of the Congo	1990	0.725667	0.623441
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Democratic Republic of the Congo	1991	0.740756	0.629281
Democratic Republic of the Congo	1992	0.75213	0.632608
Democratic Republic of the Congo	1993	0.766523	0.637728
Democratic Republic of the Congo	1994	0.77596	0.638698
Democratic Republic of the Congo	1995	0.783725	0.63836
Democratic Republic of the Congo	1996	0.809876	0.651945
Democratic Republic of the Congo	1997	0.808153	0.642786
Democratic Republic of the Congo	1998	0.825377	0.648066
Democratic Republic of the Congo	1999	0.839514	0.651081
Democratic Republic of the Congo	2000	0.857808	0.657211
Democratic Republic of the Congo	2001	0.880893	0.668343
Democratic Republic of the Congo	2002	0.900827	0.677205
Democratic Republic of the Congo	2003	0.915041	0.684614
Democratic Republic of the Congo	2004	0.928388	0.689952
Democratic Republic of the Congo	2005	0.935923	0.692857
Democratic Republic of the Congo	2006	0.938317	0.693584
Democratic Republic of the Congo	2007	0.934732	0.69219
Democratic Republic of the Congo	2008	0.927033	0.689089
Democratic Republic of the Congo	2009	0.92225	0.687671
Democratic Republic of the Congo	2010	0.913491	0.68321
Democratic Republic of the Congo	2011	0.903043	0.679241
Democratic Republic of the Congo	2012	0.896883	0.678318
Democratic Republic of the Congo	2013	0.889759	0.677695
Democratic Republic of the Congo	2014	0.884106	0.678253
Democratic Republic of the Congo	2015	0.885333	0.681047

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5	Democratic Republic of the Congo	2016	0.883509	0.685571
6	Democratic Republic of the Congo	2017	0.883648	0.690975
7	Democratic Republic of the Congo	2018	0.878558	0.693063
8	Democratic Republic of the Congo	2019	0.876196	0.69748
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10	Denmark	1990	0.914828	0.580452
11	Denmark	1991	0.912012	0.572928
12	Denmark	1992	0.890685	0.554798
13	Denmark	1993	0.87468	0.544928
14	Denmark	1994	0.831742	0.522527
15	Denmark	1995	0.824691	0.520423
16	Denmark	1996	0.81649	0.514111
17	Denmark	1997	0.821561	0.517473
18	Denmark	1998	0.800373	0.502251
19	Denmark	1999	0.798478	0.504149
20	Denmark	2000	0.814684	0.504074
21	Denmark	2001	0.824117	0.502832
22	Denmark	2002	0.839073	0.506498
23	Denmark	2003	0.834985	0.501439
24	Denmark	2004	0.840014	0.504647
25	Denmark	2005	0.859294	0.51366
26	Denmark	2006	0.872854	0.519461
27	Denmark	2007	0.897032	0.531496
28	Denmark	2008	0.907035	0.535438
29	Denmark	2009	0.901804	0.534455
30	Denmark	2010	0.913237	0.543388
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Denmark	2011	0.930847	0.55667
Denmark	2012	0.925529	0.557666
Denmark	2013	0.909819	0.55261
Denmark	2014	0.911329	0.558367
Denmark	2015	0.920682	0.572028
Denmark	2016	0.891396	0.563705
Denmark	2017	0.87517	0.562369
Denmark	2018	0.856567	0.559299
Denmark	2019	0.83897	0.555753
Djibouti	1990	0.63711	0.62949
Djibouti	1991	0.640369	0.623249
Djibouti	1992	0.633152	0.617298
Djibouti	1993	0.612619	0.606712
Djibouti	1994	0.606436	0.600977
Djibouti	1995	0.597126	0.597611
Djibouti	1996	0.591292	0.597983
Djibouti	1997	0.591939	0.603648
Djibouti	1998	0.589677	0.60793
Djibouti	1999	0.591275	0.614159
Djibouti	2000	0.589404	0.615726
Djibouti	2001	0.588645	0.619655
Djibouti	2002	0.588821	0.624743
Djibouti	2003	0.59524	0.632076
Djibouti	2004	0.600295	0.640742
Djibouti	2005	0.604165	0.646974

Djibouti	2006	0.607081	0.651123
Djibouti	2007	0.59813	0.646241
Djibouti	2008	0.592115	0.644566
Djibouti	2009	0.593195	0.649664
Djibouti	2010	0.596027	0.655453
Djibouti	2011	0.597782	0.661758
Djibouti	2012	0.601631	0.66921
Djibouti	2013	0.607341	0.678561
Djibouti	2014	0.609306	0.685456
Djibouti	2015	0.613572	0.691928
Djibouti	2016	0.616979	0.699061
Djibouti	2017	0.620938	0.707408
Djibouti	2018	0.622501	0.713307
Djibouti	2019	0.623897	0.718761
Dominica	1990	1.022575	0.68341
Dominica	1991	1.030748	0.681536
Dominica	1992	0.966633	0.635319
Dominica	1993	0.955614	0.621836
Dominica	1994	0.967154	0.623203
Dominica	1995	0.971693	0.621751
Dominica	1996	0.982772	0.625897
Dominica	1997	0.995791	0.633172
Dominica	1998	1.014203	0.645226
Dominica	1999	1.07042	0.681689
Dominica	2000	1.106362	0.706969

Dominica	2001	1.133138	0.731554
Dominica	2002	1.144745	0.752951
Dominica	2003	1.130896	0.76167
Dominica	2004	1.100279	0.756289
Dominica	2005	1.098023	0.757618
Dominica	2006	1.097205	0.766254
Dominica	2007	1.086021	0.768361
Dominica	2008	1.059714	0.765443
Dominica	2009	1.039281	0.764358
Dominica	2010	1.017251	0.762748
Dominica	2011	1.00979	0.773488
Dominica	2012	0.988291	0.776944
Dominica	2013	0.972341	0.779038
Dominica	2014	0.951066	0.776249
Dominica	2015	0.929208	0.769479
Dominica	2016	0.924913	0.775782
Dominica	2017	0.916874	0.778058
Dominica	2018	0.909062	0.779735
Dominica	2019	0.902622	0.781262
Dominican Republic	1990	0.792257	0.775078
Dominican Republic	1991	0.813805	0.79193
Dominican Republic	1992	0.834425	0.808714
Dominican Republic	1993	0.867692	0.836164
Dominican Republic	1994	0.831727	0.799803
Dominican Republic	1995	0.788926	0.756014

Dominican Republic	1996	0.750525	0.710374
Dominican Republic	1997	0.727226	0.680711
Dominican Republic	1998	0.704717	0.653237
Dominican Republic	1999	0.655838	0.600255
Dominican Republic	2000	0.667709	0.608755
Dominican Republic	2001	0.683421	0.621056
Dominican Republic	2002	0.672707	0.608319
Dominican Republic	2003	0.688722	0.619241
Dominican Republic	2004	0.716078	0.641397
Dominican Republic	2005	0.748373	0.669059
Dominican Republic	2006	0.755305	0.675231
Dominican Republic	2007	0.762239	0.680346
Dominican Republic	2008	0.776457	0.691661
Dominican Republic	2009	0.795809	0.710386
Dominican Republic	2010	0.808009	0.727011
Dominican Republic	2011	0.795596	0.723439
Dominican Republic	2012	0.780869	0.71514
Dominican Republic	2013	0.77778	0.715245
Dominican Republic	2014	0.790124	0.729196
Dominican Republic	2015	0.802808	0.741573
Dominican Republic	2016	0.815963	0.755204
Dominican Republic	2017	0.835907	0.773302
Dominican Republic	2018	0.852982	0.787151
Dominican Republic	2019	0.867118	0.7988
Ecuador	1990	1.004058	1.011805

Ecuador	1991	0.968923	0.969688
Ecuador	1992	1.003831	0.998713
Ecuador	1993	0.991662	0.981519
Ecuador	1994	0.975175	0.96323
Ecuador	1995	0.969265	0.958788
Ecuador	1996	0.955254	0.945169
Ecuador	1997	0.963522	0.948701
Ecuador	1998	0.952234	0.929045
Ecuador	1999	0.923097	0.898357
Ecuador	2000	0.945688	0.918728
Ecuador	2001	0.850152	0.82902
Ecuador	2002	0.961827	0.929527
Ecuador	2003	1.002522	0.961998
Ecuador	2004	0.951695	0.910259
Ecuador	2005	0.933601	0.891627
Ecuador	2006	0.935124	0.891747
Ecuador	2007	0.923045	0.875347
Ecuador	2008	0.908829	0.848903
Ecuador	2009	0.909745	0.838831
Ecuador	2010	0.905887	0.830621
Ecuador	2011	0.872038	0.795452
Ecuador	2012	0.948539	0.857824
Ecuador	2013	0.954923	0.857567
Ecuador	2014	0.945461	0.846159
Ecuador	2015	0.933084	0.834753

Ecuador	2016	0.940996	0.838891
Ecuador	2017	0.946693	0.839503
Ecuador	2018	0.958062	0.848115
Ecuador	2019	0.982864	0.871573
Egypt	1990	1.352837	1.300901
Egypt	1991	1.345168	1.317427
Egypt	1992	1.356801	1.35033
Egypt	1993	1.359543	1.369332
Egypt	1994	1.336761	1.356111
Egypt	1995	1.314426	1.347094
Egypt	1996	1.356722	1.410277
Egypt	1997	1.367379	1.441698
Egypt	1998	1.367158	1.459711
Egypt	1999	1.357297	1.482505
Egypt	2000	1.355486	1.547564
Egypt	2001	1.340398	1.572534
Egypt	2002	1.300644	1.537725
Egypt	2003	1.241502	1.444409
Egypt	2004	1.231767	1.42514
Egypt	2005	1.259757	1.48129
Egypt	2006	1.273849	1.56127
Egypt	2007	1.241724	1.559132
Egypt	2008	1.2281	1.558302
Egypt	2009	1.221783	1.566194
Egypt	2010	1.223014	1.588974

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Egypt	2011	1.166152	1.543971
Egypt	2012	1.181251	1.56277
Egypt	2013	1.128811	1.5249
Egypt	2014	1.142337	1.587852
Egypt	2015	1.165619	1.642986
Egypt	2016	1.160821	1.652987
Egypt	2017	1.148174	1.63138
Egypt	2018	1.137364	1.622527
Egypt	2019	1.124721	1.598394
El Salvador	1990	0.73088	0.628185
El Salvador	1991	0.70667	0.605372
El Salvador	1992	0.706118	0.602843
El Salvador	1993	0.690439	0.588379
El Salvador	1994	0.691847	0.586128
El Salvador	1995	0.625846	0.525309
El Salvador	1996	0.678738	0.566622
El Salvador	1997	0.642916	0.534002
El Salvador	1998	0.567219	0.466982
El Salvador	1999	0.592851	0.484268
El Salvador	2000	0.547509	0.443736
El Salvador	2001	0.570958	0.459772
El Salvador	2002	0.57284	0.458034
El Salvador	2003	0.540174	0.428803
El Salvador	2004	0.519341	0.408988
El Salvador	2005	0.506918	0.396288

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5	El Salvador	2006	0.491691	0.381601
6	El Salvador	2007	0.506517	0.390121
7	El Salvador	2008	0.5161	0.394159
8	El Salvador	2009	0.523686	0.396446
9	El Salvador	2010	0.551921	0.415391
10	El Salvador	2011	0.554047	0.414798
11	El Salvador	2012	0.581725	0.432742
12	El Salvador	2013	0.60464	0.447815
13	El Salvador	2014	0.563794	0.416177
14	El Salvador	2015	0.565509	0.415662
15	El Salvador	2016	0.560112	0.409023
16	El Salvador	2017	0.573525	0.415772
17	El Salvador	2018	0.589898	0.425152
18	El Salvador	2019	0.588189	0.420935
19	Equatorial Guinea	1990	0.633973	0.475046
20	Equatorial Guinea	1991	0.643732	0.476437
21	Equatorial Guinea	1992	0.648953	0.474689
22	Equatorial Guinea	1993	0.667183	0.482076
23	Equatorial Guinea	1994	0.685891	0.489868
24	Equatorial Guinea	1995	0.695666	0.493196
25	Equatorial Guinea	1996	0.719499	0.505742
26	Equatorial Guinea	1997	0.726417	0.506651
27	Equatorial Guinea	1998	0.743037	0.514358
28	Equatorial Guinea	1999	0.75764	0.522421
29	Equatorial Guinea	2000	0.771162	0.530608
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Equatorial Guinea	2001	0.78625	0.541806
Equatorial Guinea	2002	0.813222	0.560839
Equatorial Guinea	2003	0.844645	0.586309
Equatorial Guinea	2004	0.864957	0.605754
Equatorial Guinea	2005	0.883082	0.624017
Equatorial Guinea	2006	0.89857	0.641249
Equatorial Guinea	2007	0.903298	0.651933
Equatorial Guinea	2008	0.921692	0.668859
Equatorial Guinea	2009	0.937131	0.689382
Equatorial Guinea	2010	0.954428	0.707902
Equatorial Guinea	2011	0.94896	0.713287
Equatorial Guinea	2012	0.934341	0.710454
Equatorial Guinea	2013	0.911668	0.701174
Equatorial Guinea	2014	0.904311	0.702942
Equatorial Guinea	2015	0.913769	0.712517
Equatorial Guinea	2016	0.908977	0.71704
Equatorial Guinea	2017	0.899726	0.715847
Equatorial Guinea	2018	0.895166	0.716091
Equatorial Guinea	2019	0.892762	0.716859
Eritrea	1990	0.677516	0.486014
Eritrea	1991	0.66837	0.481683
Eritrea	1992	0.653672	0.476384
Eritrea	1993	0.635299	0.468895
Eritrea	1994	0.617765	0.463212
Eritrea	1995	0.585629	0.44997

Eritrea	1996	0.592799	0.455702
Eritrea	1997	0.604464	0.46541
Eritrea	1998	0.622404	0.477271
Eritrea	1999	0.635233	0.488692
Eritrea	2000	0.652666	0.502612
Eritrea	2001	0.672426	0.51557
Eritrea	2002	0.682087	0.528655
Eritrea	2003	0.696141	0.540144
Eritrea	2004	0.706811	0.548242
Eritrea	2005	0.717387	0.555826
Eritrea	2006	0.721666	0.559545
Eritrea	2007	0.726562	0.563659
Eritrea	2008	0.729562	0.567179
Eritrea	2009	0.733471	0.571313
Eritrea	2010	0.736993	0.57369
Eritrea	2011	0.747012	0.581633
Eritrea	2012	0.75857	0.592977
Eritrea	2013	0.770296	0.603493
Eritrea	2014	0.780923	0.612417
Eritrea	2015	0.787631	0.620088
Eritrea	2016	0.794511	0.628143
Eritrea	2017	0.800615	0.636744
Eritrea	2018	0.801815	0.641395
Eritrea	2019	0.803849	0.647501
Estonia	1990	1.274667	0.544356

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5	Estonia	1991	1.290002	0.556613
6	Estonia	1992	1.239721	0.541388
7	Estonia	1993	1.200974	0.542798
8	Estonia	1994	1.151173	0.550592
9	Estonia	1995	1.128166	0.54486
10	Estonia	1996	1.176935	0.562217
11	Estonia	1997	1.14876	0.552321
12	Estonia	1998	1.1261	0.544524
13	Estonia	1999	1.166972	0.555235
14	Estonia	2000	1.255561	0.597795
15	Estonia	2001	1.252541	0.599208
16	Estonia	2002	1.205019	0.568907
17	Estonia	2003	1.249495	0.580201
18	Estonia	2004	1.197993	0.548705
19	Estonia	2005	1.175965	0.531529
20	Estonia	2006	1.137999	0.513165
21	Estonia	2007	1.110521	0.499568
22	Estonia	2008	1.187032	0.526966
23	Estonia	2009	1.18254	0.520329
24	Estonia	2010	1.25962	0.543306
25	Estonia	2011	1.367921	0.587629
26	Estonia	2012	1.43354	0.605071
27	Estonia	2013	1.638015	0.678218
28	Estonia	2014	1.681019	0.688145
29	Estonia	2015	1.90245	0.76673
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Estonia	2016	1.966618	0.787203
Estonia	2017	1.978323	0.797514
Estonia	2018	1.945837	0.792401
Estonia	2019	1.91689	0.789282
Eswatini	1990	0.643432	0.445885
Eswatini	1991	0.655902	0.454929
Eswatini	1992	0.663034	0.459787
Eswatini	1993	0.659477	0.458163
Eswatini	1994	0.641934	0.450227
Eswatini	1995	0.629765	0.446376
Eswatini	1996	0.592986	0.428342
Eswatini	1997	0.575288	0.419633
Eswatini	1998	0.56769	0.418709
Eswatini	1999	0.58138	0.430021
Eswatini	2000	0.615204	0.455989
Eswatini	2001	0.622836	0.464538
Eswatini	2002	0.648366	0.482734
Eswatini	2003	0.645587	0.482052
Eswatini	2004	0.637776	0.475359
Eswatini	2005	0.637936	0.473051
Eswatini	2006	0.619484	0.459317
Eswatini	2007	0.596666	0.442398
Eswatini	2008	0.56799	0.420904
Eswatini	2009	0.549777	0.405457
Eswatini	2010	0.532729	0.390103

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Eswatini	2011	0.519468	0.377501
Eswatini	2012	0.512695	0.369766
Eswatini	2013	0.511534	0.36584
Eswatini	2014	0.513582	0.364059
Eswatini	2015	0.512443	0.360656
Eswatini	2016	0.510467	0.35706
Eswatini	2017	0.514681	0.357329
Eswatini	2018	0.519338	0.357931
Eswatini	2019	0.524167	0.358968
Ethiopia	1990	0.720756	0.703844
Ethiopia	1991	0.715509	0.706314
Ethiopia	1992	0.718831	0.717897
Ethiopia	1993	0.720067	0.728498
Ethiopia	1994	0.721361	0.73772
Ethiopia	1995	0.720699	0.743548
Ethiopia	1996	0.720125	0.749094
Ethiopia	1997	0.718258	0.753969
Ethiopia	1998	0.724515	0.767056
Ethiopia	1999	0.728246	0.775891
Ethiopia	2000	0.71538	0.766805
Ethiopia	2001	0.705973	0.758366
Ethiopia	2002	0.699858	0.754009
Ethiopia	2003	0.692711	0.749821
Ethiopia	2004	0.689158	0.749999
Ethiopia	2005	0.690604	0.752846

Ethiopia	2006	0.682452	0.745788
Ethiopia	2007	0.671544	0.734216
Ethiopia	2008	0.659778	0.722532
Ethiopia	2009	0.65182	0.715305
Ethiopia	2010	0.643618	0.708825
Ethiopia	2011	0.641285	0.705564
Ethiopia	2012	0.633994	0.697198
Ethiopia	2013	0.62824	0.691475
Ethiopia	2014	0.626243	0.687038
Ethiopia	2015	0.625936	0.68562
Ethiopia	2016	0.629331	0.686995
Ethiopia	2017	0.638242	0.693243
Ethiopia	2018	0.645523	0.699145
Ethiopia	2019	0.651966	0.705008
Fiji	1990	0.73655	0.628208
Fiji	1991	0.723556	0.608009
Fiji	1992	0.714756	0.592527
Fiji	1993	0.705691	0.578871
Fiji	1994	0.69546	0.563871
Fiji	1995	0.691654	0.557138
Fiji	1996	0.700723	0.561307
Fiji	1997	0.704771	0.562422
Fiji	1998	0.706182	0.563969
Fiji	1999	0.687221	0.548343
Fiji	2000	0.689676	0.54438

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Fiji	2001	0.674743	0.523954
Fiji	2002	0.714503	0.533768
Fiji	2003	0.766211	0.56517
Fiji	2004	0.772718	0.564366
Fiji	2005	0.738173	0.546633
Fiji	2006	0.729158	0.534349
Fiji	2007	0.744471	0.528667
Fiji	2008	0.779592	0.571697
Fiji	2009	0.799191	0.589837
Fiji	2010	0.774052	0.569211
Fiji	2011	0.744256	0.551047
Fiji	2012	0.721319	0.541473
Fiji	2013	0.719478	0.54105
Fiji	2014	0.721526	0.53809
Fiji	2015	0.728084	0.540392
Fiji	2016	0.734806	0.543516
Fiji	2017	0.741654	0.545391
Fiji	2018	0.748133	0.547693
Fiji	2019	0.754193	0.549577
Finland	1990	1.369762	0.651588
Finland	1991	1.404089	0.664806
Finland	1992	1.447397	0.683359
Finland	1993	1.473253	0.693502
Finland	1994	1.479108	0.699452
Finland	1995	1.437902	0.685172

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5	Finland	1996	1.4051	0.675676
6	Finland	1997	1.369332	0.663419
7	Finland	1998	1.273109	0.620794
8	Finland	1999	1.23956	0.605483
9	Finland	2000	1.255896	0.613356
10	Finland	2001	1.225525	0.599665
11	Finland	2002	1.211362	0.593411
12	Finland	2003	1.235058	0.606439
13	Finland	2004	1.240611	0.615839
14	Finland	2005	1.268837	0.630773
15	Finland	2006	1.315871	0.655994
16	Finland	2007	1.334793	0.667858
17	Finland	2008	1.346856	0.675729
18	Finland	2009	1.349785	0.681902
19	Finland	2010	1.368822	0.693519
20	Finland	2011	1.41426	0.719419
21	Finland	2012	1.442101	0.737073
22	Finland	2013	1.456253	0.75094
23	Finland	2014	1.463376	0.761748
24	Finland	2015	1.504316	0.790889
25	Finland	2016	1.486986	0.792614
26	Finland	2017	1.435595	0.779339
27	Finland	2018	1.41599	0.781929
28	Finland	2019	1.386159	0.777876
29	France	1990	1.124202	0.523527
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France	1991	1.122316	0.524504
France	1992	1.12034	0.524787
France	1993	1.117802	0.526191
France	1994	1.118268	0.528797
France	1995	1.112993	0.527024
France	1996	1.101909	0.522307
France	1997	1.105504	0.522596
France	1998	1.107177	0.530535
France	1999	1.10903	0.534938
France	2000	1.107854	0.537168
France	2001	1.110105	0.543565
France	2002	1.102	0.545481
France	2003	1.084393	0.542172
France	2004	1.077414	0.54228
France	2005	1.06193	0.535116
France	2006	1.067723	0.539183
France	2007	1.075779	0.545688
France	2008	1.090466	0.555471
France	2009	1.07957	0.551918
France	2010	1.086085	0.553398
France	2011	1.095191	0.55705
France	2012	1.104754	0.562202
France	2013	1.102879	0.564467
France	2014	1.10743	0.570799
France	2015	1.089102	0.563704

France	2016	1.076047	0.555978
France	2017	1.062053	0.548646
France	2018	1.078987	0.558974
France	2019	1.072237	0.558669
Gabon	1990	0.663018	0.510695
Gabon	1991	0.671655	0.519702
Gabon	1992	0.671388	0.52192
Gabon	1993	0.685336	0.532449
Gabon	1994	0.707166	0.549661
Gabon	1995	0.711069	0.555824
Gabon	1996	0.747609	0.582971
Gabon	1997	0.769173	0.598567
Gabon	1998	0.796265	0.617671
Gabon	1999	0.831864	0.641644
Gabon	2000	0.848369	0.653986
Gabon	2001	0.876541	0.676621
Gabon	2002	0.887885	0.685029
Gabon	2003	0.917659	0.709144
Gabon	2004	0.940511	0.72639
Gabon	2005	0.941471	0.727273
Gabon	2006	0.957229	0.739157
Gabon	2007	0.939534	0.730543
Gabon	2008	0.943992	0.736346
Gabon	2009	0.937137	0.731371
Gabon	2010	0.928266	0.72189

5	Gabon	2011	0.931747	0.725053
6	Gabon	2012	0.920242	0.718091
7	Gabon	2013	0.907997	0.709801
8	Gabon	2014	0.913089	0.712937
9	Gabon	2015	0.921649	0.71807
10	Gabon	2016	0.920729	0.721385
11	Gabon	2017	0.921713	0.725495
12	Gabon	2018	0.922917	0.729617
13	Gabon	2019	0.923103	0.73276
14	Gambia	1990	0.755805	0.755747
15	Gambia	1991	0.756823	0.756088
16	Gambia	1992	0.758184	0.75924
17	Gambia	1993	0.758936	0.757261
18	Gambia	1994	0.755326	0.750572
19	Gambia	1995	0.753686	0.753222
20	Gambia	1996	0.751364	0.743599
21	Gambia	1997	0.749738	0.739091
22	Gambia	1998	0.750354	0.73916
23	Gambia	1999	0.743484	0.732456
24	Gambia	2000	0.74646	0.72468
25	Gambia	2001	0.746679	0.717698
26	Gambia	2002	0.747766	0.711503
27	Gambia	2003	0.752355	0.712861
28	Gambia	2004	0.755842	0.713817
29	Gambia	2005	0.755955	0.71042

Gambia	2006	0.757416	0.705952
Gambia	2007	0.75523	0.700773
Gambia	2008	0.754458	0.692666
Gambia	2009	0.752537	0.689476
Gambia	2010	0.753068	0.686471
Gambia	2011	0.755772	0.679598
Gambia	2012	0.759236	0.680795
Gambia	2013	0.756697	0.679521
Gambia	2014	0.763619	0.690755
Gambia	2015	0.769482	0.692325
Gambia	2016	0.773885	0.699811
Gambia	2017	0.778738	0.706126
Gambia	2018	0.781179	0.70658
Gambia	2019	0.783745	0.708702
Georgia	1990	0.890262	0.542133
Georgia	1991	0.872831	0.536789
Georgia	1992	0.850246	0.525619
Georgia	1993	0.863035	0.531854
Georgia	1994	0.862277	0.535854
Georgia	1995	0.840688	0.527101
Georgia	1996	0.842497	0.532042
Georgia	1997	0.82724	0.521857
Georgia	1998	0.793438	0.501139
Georgia	1999	0.801938	0.500857
Georgia	2000	0.879865	0.543389

Georgia	2001	0.899387	0.565607
Georgia	2002	0.884306	0.551759
Georgia	2003	0.910865	0.563177
Georgia	2004	0.933848	0.577696
Georgia	2005	0.978952	0.607314
Georgia	2006	0.962763	0.605212
Georgia	2007	0.930799	0.599638
Georgia	2008	0.915016	0.592516
Georgia	2009	0.943313	0.605152
Georgia	2010	0.947623	0.596383
Georgia	2011	0.95614	0.599604
Georgia	2012	0.978096	0.606573
Georgia	2013	1.014494	0.623579
Georgia	2014	0.991503	0.604425
Georgia	2015	0.965315	0.584449
Georgia	2016	0.950849	0.575343
Georgia	2017	0.947486	0.573143
Georgia	2018	0.940168	0.571439
Georgia	2019	0.93624	0.569532
Germany	1990	1.487969	0.738576
Germany	1991	1.466275	0.722103
Germany	1992	1.461023	0.715904
Germany	1993	1.449296	0.70554
Germany	1994	1.444447	0.697681
Germany	1995	1.444922	0.689009

Germany	1996	1.453565	0.686347
Germany	1997	1.483836	0.696893
Germany	1998	1.514594	0.710752
Germany	1999	1.533725	0.718637
Germany	2000	1.553591	0.722254
Germany	2001	1.573124	0.730431
Germany	2002	1.582824	0.736649
Germany	2003	1.574148	0.73842
Germany	2004	1.599898	0.756378
Germany	2005	1.612897	0.768233
Germany	2006	1.602888	0.772032
Germany	2007	1.593446	0.782936
Germany	2008	1.578264	0.792426
Germany	2009	1.556308	0.796146
Germany	2010	1.52725	0.787571
Germany	2011	1.537922	0.783764
Germany	2012	1.527116	0.781158
Germany	2013	1.517234	0.781468
Germany	2014	1.517122	0.78274
Germany	2015	1.509834	0.785566
Germany	2016	1.518061	0.798449
Germany	2017	1.476666	0.804041
Germany	2018	1.444126	0.80565
Germany	2019	1.416778	0.808654
Ghana	1990	1.389388	1.181071

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Ghana	1991	1.395297	1.186086
Ghana	1992	1.406856	1.198388
Ghana	1993	1.408088	1.203505
Ghana	1994	1.396314	1.196408
Ghana	1995	1.382803	1.186929
Ghana	1996	1.372057	1.179342
Ghana	1997	1.34008	1.155532
Ghana	1998	1.304774	1.127515
Ghana	1999	1.250913	1.082697
Ghana	2000	1.228704	1.061556
Ghana	2001	1.221506	1.049951
Ghana	2002	1.201741	1.027726
Ghana	2003	1.174967	1.001459
Ghana	2004	1.13319	0.962102
Ghana	2005	1.104291	0.932732
Ghana	2006	1.079481	0.906283
Ghana	2007	1.070195	0.892958
Ghana	2008	1.057559	0.875779
Ghana	2009	1.052341	0.864954
Ghana	2010	1.05498	0.860277
Ghana	2011	1.049814	0.85044
Ghana	2012	1.043791	0.839396
Ghana	2013	1.043172	0.832323
Ghana	2014	1.057851	0.837805
Ghana	2015	1.068515	0.839101

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5	Ghana	2016	1.087431	0.848637
6	Ghana	2017	1.108864	0.860005
7	Ghana	2018	1.125883	0.868676
8	Ghana	2019	1.142967	0.877856
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10	Greece	1990	1.161016	0.870098
11	Greece	1991	1.167773	0.882825
12	Greece	1992	1.161076	0.883274
13	Greece	1993	1.161909	0.888873
14	Greece	1994	1.167579	0.899013
15	Greece	1995	1.161049	0.897684
16	Greece	1996	1.147164	0.891019
17	Greece	1997	1.144252	0.892744
18	Greece	1998	1.149091	0.900029
19	Greece	1999	1.119722	0.880614
20	Greece	2000	1.101564	0.871094
21	Greece	2001	1.115135	0.886731
22	Greece	2002	1.140613	0.916072
23	Greece	2003	1.15732	0.940811
24	Greece	2004	1.159749	0.955428
25	Greece	2005	1.163923	0.972318
26	Greece	2006	1.182637	0.993248
27	Greece	2007	1.175831	0.97592
28	Greece	2008	1.190464	0.969062
29	Greece	2009	1.153453	0.941996
30	Greece	2010	1.136643	0.928388
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Greece	2011	1.105891	0.892206
Greece	2012	1.086592	0.867041
Greece	2013	1.079777	0.850836
Greece	2014	1.04619	0.814348
Greece	2015	1.030625	0.789385
Greece	2016	1.028167	0.775855
Greece	2017	1.037304	0.773643
Greece	2018	1.091329	0.802598
Greece	2019	1.105053	0.80773
Greenland	1990	0.849346	0.693694
Greenland	1991	0.859043	0.699506
Greenland	1992	0.874645	0.708875
Greenland	1993	1.013236	0.83206
Greenland	1994	1.037787	0.873406
Greenland	1995	1.033608	0.886208
Greenland	1996	1.060839	0.925261
Greenland	1997	1.091328	0.971297
Greenland	1998	1.046899	0.961443
Greenland	1999	0.997845	0.942449
Greenland	2000	0.94211	0.901702
Greenland	2001	0.936488	0.907813
Greenland	2002	0.927296	0.904154
Greenland	2003	0.835465	0.819147
Greenland	2004	0.69175	0.688599
Greenland	2005	0.709612	0.700803

Greenland	2006	0.706598	0.692802
Greenland	2007	0.705793	0.686308
Greenland	2008	0.700539	0.680087
Greenland	2009	0.683503	0.668978
Greenland	2010	0.672699	0.652435
Greenland	2011	0.660619	0.635534
Greenland	2012	0.635943	0.609095
Greenland	2013	0.625224	0.595312
Greenland	2014	0.621571	0.594696
Greenland	2015	0.622625	0.590524
Greenland	2016	0.63024	0.59461
Greenland	2017	0.631927	0.596305
Greenland	2018	0.636475	0.598319
Greenland	2019	0.633015	0.600239
Grenada	1990	0.797821	0.554947
Grenada	1991	0.791908	0.547582
Grenada	1992	0.797965	0.545611
Grenada	1993	0.866844	0.585903
Grenada	1994	0.868726	0.585653
Grenada	1995	0.866269	0.584739
Grenada	1996	0.831677	0.564078
Grenada	1997	0.811707	0.552665
Grenada	1998	0.799312	0.544226
Grenada	1999	0.688282	0.455645
Grenada	2000	0.68774	0.439827

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Grenada	2001	0.702495	0.43759
Grenada	2002	0.711655	0.432377
Grenada	2003	0.71962	0.428494
Grenada	2004	0.732755	0.430247
Grenada	2005	0.760413	0.437206
Grenada	2006	0.78936	0.443967
Grenada	2007	0.822661	0.462776
Grenada	2008	0.842693	0.483301
Grenada	2009	0.882412	0.508339
Grenada	2010	0.903844	0.527307
Grenada	2011	0.928404	0.573847
Grenada	2012	1.001204	0.718206
Grenada	2013	0.981917	0.7194
Grenada	2014	0.951772	0.711073
Grenada	2015	0.919374	0.703207
Grenada	2016	0.859129	0.659112
Grenada	2017	0.835568	0.652602
Grenada	2018	0.826236	0.657412
Grenada	2019	0.810856	0.655619
Guam	1990	1.204419	1.189679
Guam	1991	1.208766	1.188058
Guam	1992	1.195287	1.167342
Guam	1993	1.16717	1.105228
Guam	1994	1.107875	1.004316
Guam	1995	1.172072	1.084015

Guam	1996	1.186921	1.127987
Guam	1997	1.133647	1.085355
Guam	1998	1.1296	1.075936
Guam	1999	1.158874	1.091652
Guam	2000	1.174389	1.100938
Guam	2001	1.203948	1.136096
Guam	2002	1.200842	1.132682
Guam	2003	1.238955	1.160038
Guam	2004	1.113806	1.021279
Guam	2005	0.964523	0.850896
Guam	2006	0.944381	0.819772
Guam	2007	0.929106	0.797947
Guam	2008	0.923572	0.78604
Guam	2009	0.931624	0.788499
Guam	2010	0.940753	0.797387
Guam	2011	0.956968	0.812158
Guam	2012	0.983131	0.836726
Guam	2013	1.004146	0.860112
Guam	2014	1.001106	0.863148
Guam	2015	1.003953	0.86564
Guam	2016	0.994553	0.85511
Guam	2017	1.009881	0.866865
Guam	2018	1.025338	0.885139
Guam	2019	1.062923	0.918484
Guatemala	1990	0.953023	0.953895

Guatemala	1991	0.933729	0.929254
Guatemala	1992	0.92926	0.918512
Guatemala	1993	0.914013	0.90221
Guatemala	1994	0.896312	0.885135
Guatemala	1995	0.890006	0.871973
Guatemala	1996	0.901921	0.86863
Guatemala	1997	0.899852	0.857182
Guatemala	1998	0.872046	0.812846
Guatemala	1999	0.865173	0.791137
Guatemala	2000	0.863256	0.781043
Guatemala	2001	0.820782	0.743524
Guatemala	2002	0.83644	0.740421
Guatemala	2003	0.84415	0.738636
Guatemala	2004	0.843046	0.720606
Guatemala	2005	0.838576	0.707155
Guatemala	2006	0.856915	0.71003
Guatemala	2007	0.868494	0.712748
Guatemala	2008	0.88503	0.714982
Guatemala	2009	0.910003	0.728899
Guatemala	2010	0.930968	0.739534
Guatemala	2011	0.943079	0.746912
Guatemala	2012	0.956022	0.754441
Guatemala	2013	0.95592	0.752758
Guatemala	2014	0.970023	0.757865
Guatemala	2015	0.969041	0.752183

Guatemala	2016	0.983854	0.758866
Guatemala	2017	0.994562	0.768067
Guatemala	2018	0.99077	0.763013
Guatemala	2019	0.995586	0.764309
Guinea-Bissau	1990	0.748122	0.670412
Guinea-Bissau	1991	0.75664	0.671111
Guinea-Bissau	1992	0.764453	0.671795
Guinea-Bissau	1993	0.770896	0.671429
Guinea-Bissau	1994	0.775841	0.67024
Guinea-Bissau	1995	0.778009	0.667293
Guinea-Bissau	1996	0.781511	0.664792
Guinea-Bissau	1997	0.784534	0.662213
Guinea-Bissau	1998	0.781983	0.655103
Guinea-Bissau	1999	0.773202	0.643304
Guinea-Bissau	2000	0.774928	0.639101
Guinea-Bissau	2001	0.769671	0.63055
Guinea-Bissau	2002	0.776817	0.632411
Guinea-Bissau	2003	0.783424	0.634572
Guinea-Bissau	2004	0.781804	0.630986
Guinea-Bissau	2005	0.777461	0.625183
Guinea-Bissau	2006	0.785814	0.629214
Guinea-Bissau	2007	0.790956	0.63183
Guinea-Bissau	2008	0.789619	0.630173
Guinea-Bissau	2009	0.791031	0.630407
Guinea-Bissau	2010	0.788492	0.627204

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Guinea-Bissau	2011	0.780258	0.621232
Guinea-Bissau	2012	0.77979	0.621828
Guinea-Bissau	2013	0.775523	0.619504
Guinea-Bissau	2014	0.781231	0.623934
Guinea-Bissau	2015	0.785211	0.627208
Guinea-Bissau	2016	0.790123	0.632173
Guinea-Bissau	2017	0.794982	0.636694
Guinea-Bissau	2018	0.794557	0.636869
Guinea-Bissau	2019	0.79691	0.639962
Guinea	1990	1.106482	1.06805
Guinea	1991	1.101821	1.062402
Guinea	1992	1.092566	1.051668
Guinea	1993	1.079614	1.036735
Guinea	1994	1.063496	1.018359
Guinea	1995	1.044157	0.994427
Guinea	1996	1.023563	0.970226
Guinea	1997	1.003974	0.94782
Guinea	1998	0.984752	0.924564
Guinea	1999	0.959149	0.894479
Guinea	2000	0.948271	0.875656
Guinea	2001	0.93673	0.86105
Guinea	2002	0.926789	0.848561
Guinea	2003	0.921873	0.840532
Guinea	2004	0.914807	0.83004
Guinea	2005	0.909379	0.821056

Guinea	2006	0.897855	0.809873
Guinea	2007	0.88313	0.797058
Guinea	2008	0.8682	0.784253
Guinea	2009	0.856308	0.774402
Guinea	2010	0.844945	0.765219
Guinea	2011	0.838392	0.761209
Guinea	2012	0.832401	0.75916
Guinea	2013	0.825926	0.757267
Guinea	2014	0.825605	0.761087
Guinea	2015	0.827532	0.766111
Guinea	2016	0.830462	0.774096
Guinea	2017	0.833695	0.783024
Guinea	2018	0.834033	0.789338
Guinea	2019	0.836231	0.796133
Guyana	1990	0.804795	0.730845
Guyana	1991	0.825743	0.745172
Guyana	1992	0.815942	0.730925
Guyana	1993	0.815344	0.715393
Guyana	1994	0.833385	0.730953
Guyana	1995	0.82273	0.725093
Guyana	1996	0.826799	0.72395
Guyana	1997	0.801758	0.710721
Guyana	1998	0.804478	0.710939
Guyana	1999	0.816289	0.717467
Guyana	2000	0.851078	0.75824



Guyana	2001	0.856085	0.770243
Guyana	2002	0.868114	0.792286
Guyana	2003	0.88199	0.808553
Guyana	2004	0.881747	0.805175
Guyana	2005	0.876973	0.799695
Guyana	2006	0.86259	0.785305
Guyana	2007	0.871755	0.796174
Guyana	2008	0.866064	0.79292
Guyana	2009	0.856384	0.776095
Guyana	2010	0.870928	0.791752
Guyana	2011	0.864618	0.787339
Guyana	2012	0.858249	0.769835
Guyana	2013	0.868019	0.754845
Guyana	2014	0.883459	0.756936
Guyana	2015	0.904528	0.783773
Guyana	2016	0.909773	0.785122
Guyana	2017	0.907778	0.779852
Guyana	2018	0.916706	0.792253
Guyana	2019	0.917252	0.792395
Haiti	1990	0.848252	0.694669
Haiti	1991	0.851834	0.699622
Haiti	1992	0.858366	0.705985
Haiti	1993	0.868323	0.715498
Haiti	1994	0.889488	0.733226
Haiti	1995	0.884666	0.730909

Haiti	1996	0.885902	0.73329
Haiti	1997	0.88977	0.737561
Haiti	1998	0.897728	0.746391
Haiti	1999	0.918178	0.763662
Haiti	2000	0.933843	0.777576
Haiti	2001	0.952387	0.793799
Haiti	2002	0.965378	0.805915
Haiti	2003	0.979128	0.818581
Haiti	2004	0.996137	0.833853
Haiti	2005	1.011615	0.848181
Haiti	2006	1.003287	0.843106
Haiti	2007	0.991817	0.835123
Haiti	2008	0.977956	0.825209
Haiti	2009	0.969319	0.818318
Haiti	2010	0.971384	0.814256
Haiti	2011	0.977353	0.812342
Haiti	2012	0.970589	0.807299
Haiti	2013	0.964412	0.801409
Haiti	2014	0.961933	0.797931
Haiti	2015	0.961316	0.795943
Haiti	2016	0.958705	0.793089
Haiti	2017	0.953425	0.7883
Haiti	2018	0.949688	0.78419
Haiti	2019	0.950462	0.784143
Honduras	1990	0.931423	0.792876

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Honduras	1991	0.893526	0.757388
Honduras	1992	0.98682	0.839842
Honduras	1993	0.96852	0.824803
Honduras	1994	0.959285	0.818048
Honduras	1995	1.132512	0.982388
Honduras	1996	1.204171	1.080562
Honduras	1997	1.196654	1.084657
Honduras	1998	1.188782	1.087144
Honduras	1999	1.177838	1.086961
Honduras	2000	1.167179	1.085797
Honduras	2001	1.166044	1.09074
Honduras	2002	1.190753	1.118393
Honduras	2003	1.220312	1.149288
Honduras	2004	1.21409	1.147758
Honduras	2005	1.210856	1.145859
Honduras	2006	1.206554	1.142104
Honduras	2007	1.201772	1.137077
Honduras	2008	1.193002	1.129034
Honduras	2009	1.17622	1.114785
Honduras	2010	1.158652	1.099057
Honduras	2011	1.132415	1.071005
Honduras	2012	1.049605	0.966428
Honduras	2013	1.061289	0.964852
Honduras	2014	1.072882	0.964053
Honduras	2015	1.084842	0.9635

Honduras	2016	1.097255	0.964191
Honduras	2017	1.113633	0.969835
Honduras	2018	1.133398	0.979179
Honduras	2019	1.150707	0.987235
Hungary	1990	1.248905	0.783216
Hungary	1991	1.273197	0.788897
Hungary	1992	1.235009	0.764683
Hungary	1993	1.231176	0.75623
Hungary	1994	1.207315	0.733594
Hungary	1995	1.224856	0.735564
Hungary	1996	1.257931	0.743862
Hungary	1997	1.308379	0.767016
Hungary	1998	1.328475	0.772198
Hungary	1999	1.338323	0.77329
Hungary	2000	1.35984	0.776331
Hungary	2001	1.359909	0.773614
Hungary	2002	1.345923	0.763105
Hungary	2003	1.355023	0.763996
Hungary	2004	1.373922	0.770584
Hungary	2005	1.367215	0.760508
Hungary	2006	1.414381	0.777394
Hungary	2007	1.476528	0.803333
Hungary	2008	1.536635	0.823527
Hungary	2009	1.559169	0.826695
Hungary	2010	1.632679	0.854821

Hungary	2011	1.687514	0.88035
Hungary	2012	1.701139	0.882161
Hungary	2013	1.757902	0.906339
Hungary	2014	1.755502	0.906485
Hungary	2015	1.78418	0.922637
Hungary	2016	1.735478	0.893355
Hungary	2017	1.75693	0.901822
Hungary	2018	1.744163	0.896852
Hungary	2019	1.776262	0.914186
Iceland	1990	0.893067	0.617346
Iceland	1991	0.898833	0.619624
Iceland	1992	0.904815	0.624484
Iceland	1993	0.906251	0.624472
Iceland	1994	0.900378	0.620242
Iceland	1995	0.886218	0.609419
Iceland	1996	0.865607	0.592359
Iceland	1997	0.86581	0.590292
Iceland	1998	0.87148	0.58898
Iceland	1999	0.88968	0.596646
Iceland	2000	0.939133	0.627518
Iceland	2001	0.946968	0.636139
Iceland	2002	0.918585	0.619865
Iceland	2003	0.932633	0.628488
Iceland	2004	0.943794	0.63412
Iceland	2005	0.920771	0.620702

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5	Iceland	2006	0.875513	0.592684
6	Iceland	2007	0.828134	0.560027
7	Iceland	2008	0.813439	0.547711
8	Iceland	2009	0.797623	0.532781
9	Iceland	2010	0.792424	0.527124
10	Iceland	2011	0.797199	0.526861
11	Iceland	2012	0.781397	0.512562
12	Iceland	2013	0.816639	0.53432
13	Iceland	2014	0.891672	0.581795
14	Iceland	2015	0.868086	0.571245
15	Iceland	2016	0.841589	0.554825
16	Iceland	2017	0.799747	0.529264
17	Iceland	2018	0.791315	0.524633
18	Iceland	2019	0.793979	0.527376
19	India	1990	0.67198	0.651392
20	India	1991	0.664991	0.649046
21	India	1992	0.677239	0.659893
22	India	1993	0.668435	0.653609
23	India	1994	0.664197	0.64799
24	India	1995	0.665584	0.647018
25	India	1996	0.664089	0.640755
26	India	1997	0.665254	0.640588
27	India	1998	0.672932	0.647828
28	India	1999	0.667927	0.643606
29	India	2000	0.650053	0.62195
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India	2001	0.648807	0.6203
India	2002	0.645959	0.616526
India	2003	0.627599	0.596667
India	2004	0.61961	0.587071
India	2005	0.617428	0.584254
India	2006	0.621215	0.591136
India	2007	0.62422	0.595923
India	2008	0.614686	0.585389
India	2009	0.615543	0.579393
India	2010	0.627674	0.58403
India	2011	0.631651	0.587956
India	2012	0.643951	0.600207
India	2013	0.668672	0.612078
India	2014	0.697766	0.627543
India	2015	0.726946	0.655171
India	2016	0.727723	0.661042
India	2017	0.728097	0.663525
India	2018	0.72818	0.659649
India	2019	0.732114	0.664084
Indonesia	1990	0.904475	0.805626
Indonesia	1991	0.89592	0.79993
Indonesia	1992	0.891139	0.796224
Indonesia	1993	0.896197	0.800503
Indonesia	1994	0.901232	0.804676
Indonesia	1995	0.910442	0.812309

Indonesia	1996	0.920734	0.822294
Indonesia	1997	0.925581	0.826452
Indonesia	1998	0.926823	0.827526
Indonesia	1999	0.927296	0.82819
Indonesia	2000	0.921737	0.824503
Indonesia	2001	0.909081	0.815638
Indonesia	2002	0.901911	0.810925
Indonesia	2003	0.900123	0.810677
Indonesia	2004	0.895603	0.807667
Indonesia	2005	0.891928	0.804423
Indonesia	2006	0.887582	0.802247
Indonesia	2007	0.88547	0.801573
Indonesia	2008	0.871184	0.787266
Indonesia	2009	0.857157	0.773813
Indonesia	2010	0.84432	0.761141
Indonesia	2011	0.825542	0.744336
Indonesia	2012	0.794104	0.715721
Indonesia	2013	0.771454	0.694276
Indonesia	2014	0.746281	0.67051
Indonesia	2015	0.731324	0.656279
Indonesia	2016	0.726472	0.653465
Indonesia	2017	0.727428	0.654714
Indonesia	2018	0.726543	0.654163
Indonesia	2019	0.725323	0.653072
Iran (Islamic Republic of)	1990	0.846309	0.884767



Iran (Islamic Republic of)	1991	0.850062	0.895933
Iran (Islamic Republic of)	1992	0.845513	0.897431
Iran (Islamic Republic of)	1993	0.850854	0.909371
Iran (Islamic Republic of)	1994	0.846549	0.911123
Iran (Islamic Republic of)	1995	0.850514	0.921504
Iran (Islamic Republic of)	1996	0.865414	0.943133
Iran (Islamic Republic of)	1997	0.868181	0.951728
Iran (Islamic Republic of)	1998	0.872144	0.960851
Iran (Islamic Republic of)	1999	0.866475	0.958325
Iran (Islamic Republic of)	2000	0.887477	0.985288
Iran (Islamic Republic of)	2001	0.899208	1.00184
Iran (Islamic Republic of)	2002	0.886266	0.98971
Iran (Islamic Republic of)	2003	0.872632	0.974236
Iran (Islamic Republic of)	2004	0.871049	0.970715
Iran (Islamic Republic of)	2005	0.871362	0.967471
Iran (Islamic Republic of)	2006	0.858624	0.948691
Iran (Islamic Republic of)	2007	0.840085	0.919136
Iran (Islamic Republic of)	2008	0.829588	0.900372
Iran (Islamic Republic of)	2009	0.824816	0.888598
Iran (Islamic Republic of)	2010	0.826351	0.879267
Iran (Islamic Republic of)	2011	0.825291	0.871341
Iran (Islamic Republic of)	2012	0.823102	0.865946
Iran (Islamic Republic of)	2013	0.839203	0.883214
Iran (Islamic Republic of)	2014	0.858072	0.903726
Iran (Islamic Republic of)	2015	0.87411	0.919495

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5	Iran (Islamic Republic of)	2016	0.89088	0.937536
6	Iran (Islamic Republic of)	2017	0.901889	0.949128
7	Iran (Islamic Republic of)	2018	0.906975	0.953392
8	Iran (Islamic Republic of)	2019	0.915692	0.961205
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10	Iraq	1990	1.038715	0.921613
11	Iraq	1991	1.028035	0.91066
12	Iraq	1992	1.015177	0.901312
13	Iraq	1993	0.996418	0.884872
14	Iraq	1994	0.978218	0.864977
15	Iraq	1995	0.970719	0.857555
16	Iraq	1996	0.96171	0.847265
17	Iraq	1997	0.947098	0.832703
18	Iraq	1998	0.932334	0.819284
19	Iraq	1999	0.923562	0.811365
20	Iraq	2000	0.916529	0.805188
21	Iraq	2001	0.912447	0.800956
22	Iraq	2002	0.91232	0.799917
23	Iraq	2003	0.912054	0.799067
24	Iraq	2004	0.919368	0.806158
25	Iraq	2005	0.923599	0.808822
26	Iraq	2006	0.932396	0.814381
27	Iraq	2007	0.932736	0.812761
28	Iraq	2008	0.928361	0.808737
29	Iraq	2009	0.91609	0.797203
30	Iraq	2010	0.898317	0.779174
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Iraq	2011	0.886643	0.769248
Iraq	2012	0.873397	0.75733
Iraq	2013	0.859141	0.744408
Iraq	2014	0.849341	0.734867
Iraq	2015	0.848791	0.733316
Iraq	2016	0.849734	0.733889
Iraq	2017	0.850296	0.733783
Iraq	2018	0.838897	0.725088
Iraq	2019	0.823535	0.707666
Ireland	1990	0.990332	0.642532
Ireland	1991	1.01067	0.652745
Ireland	1992	1.005023	0.645801
Ireland	1993	0.997892	0.639265
Ireland	1994	1.016307	0.644885
Ireland	1995	1.014649	0.636152
Ireland	1996	1.000293	0.620096
Ireland	1997	1.020021	0.631417
Ireland	1998	1.031917	0.637105
Ireland	1999	1.024805	0.629057
Ireland	2000	1.008419	0.613226
Ireland	2001	1.019148	0.611967
Ireland	2002	1.021805	0.615345
Ireland	2003	1.021697	0.61487
Ireland	2004	1.005065	0.60004
Ireland	2005	1.045104	0.620705

Ireland	2006	1.067788	0.636154
Ireland	2007	1.052256	0.630424
Ireland	2008	1.038694	0.625566
Ireland	2009	1.017066	0.619329
Ireland	2010	1.018538	0.623428
Ireland	2011	1.012795	0.627264
Ireland	2012	0.975791	0.606707
Ireland	2013	0.943072	0.590724
Ireland	2014	0.941779	0.595064
Ireland	2015	0.952201	0.609346
Ireland	2016	0.942132	0.61169
Ireland	2017	0.933334	0.615757
Ireland	2018	0.93453	0.626241
Ireland	2019	0.920745	0.626484
Israel	1990	0.94219	0.786904
Israel	1991	0.919965	0.762573
Israel	1992	0.917957	0.753597
Israel	1993	0.919162	0.74611
Israel	1994	0.919964	0.740401
Israel	1995	0.89525	0.714392
Israel	1996	0.885476	0.706356
Israel	1997	0.869098	0.688093
Israel	1998	0.857361	0.667378
Israel	1999	0.855316	0.658138
Israel	2000	0.841052	0.644188

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5	Israel	2001	0.848966	0.6474
6	Israel	2002	0.849254	0.644365
7	Israel	2003	0.849257	0.639475
8	Israel	2004	0.858922	0.643102
9	Israel	2005	0.861348	0.642839
10	Israel	2006	0.870257	0.648499
11	Israel	2007	0.877613	0.649739
12	Israel	2008	0.887024	0.649546
13	Israel	2009	0.903354	0.655117
14	Israel	2010	0.894466	0.645255
15	Israel	2011	0.916316	0.659221
16	Israel	2012	0.908112	0.649691
17	Israel	2013	0.919164	0.653967
18	Israel	2014	0.917547	0.649284
19	Israel	2015	0.902198	0.636174
20	Israel	2016	0.931438	0.657062
21	Israel	2017	0.929475	0.656012
22	Israel	2018	0.923335	0.653248
23	Israel	2019	0.923192	0.655589
24	Italy	1990	1.090376	0.643927
25	Italy	1991	1.081423	0.637552
26	Italy	1992	1.078447	0.634752
27	Italy	1993	1.088728	0.638461
28	Italy	1994	1.092486	0.639173
29	Italy	1995	1.104435	0.642915
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Italy	1996	1.115154	0.644873
Italy	1997	1.121742	0.644068
Italy	1998	1.130953	0.645348
Italy	1999	1.141682	0.646889
Italy	2000	1.166232	0.654341
Italy	2001	1.182466	0.657137
Italy	2002	1.207321	0.66463
Italy	2003	1.209099	0.6605
Italy	2004	1.216337	0.660522
Italy	2005	1.211844	0.651899
Italy	2006	1.208596	0.644847
Italy	2007	1.210034	0.642825
Italy	2008	1.223902	0.648972
Italy	2009	1.227047	0.651423
Italy	2010	1.241487	0.658229
Italy	2011	1.256087	0.66503
Italy	2012	1.269111	0.672045
Italy	2013	1.262556	0.669897
Italy	2014	1.259651	0.670649
Italy	2015	1.248791	0.665998
Italy	2016	1.241213	0.662825
Italy	2017	1.220767	0.657356
Italy	2018	1.222834	0.665099
Italy	2019	1.210609	0.666333
Jamaica	1990	0.636078	0.518682

Jamaica	1991	0.692646	0.56671
Jamaica	1992	0.687608	0.56459
Jamaica	1993	0.690036	0.566605
Jamaica	1994	0.708948	0.583474
Jamaica	1995	0.731778	0.602656
Jamaica	1996	0.755209	0.621615
Jamaica	1997	0.780986	0.641921
Jamaica	1998	0.780952	0.642028
Jamaica	1999	0.813121	0.665991
Jamaica	2000	0.899106	0.732146
Jamaica	2001	0.899379	0.732191
Jamaica	2002	0.891943	0.735452
Jamaica	2003	0.881381	0.726775
Jamaica	2004	0.900935	0.744511
Jamaica	2005	0.913895	0.76107
Jamaica	2006	0.88166	0.736568
Jamaica	2007	0.74946	0.632214
Jamaica	2008	0.637378	0.539676
Jamaica	2009	0.588224	0.494132
Jamaica	2010	0.715381	0.601316
Jamaica	2011	0.647498	0.544749
Jamaica	2012	0.7813	0.660719
Jamaica	2013	0.79124	0.671617
Jamaica	2014	0.762489	0.646836
Jamaica	2015	0.756701	0.64138

Jamaica	2016	0.739837	0.632018
Jamaica	2017	0.737952	0.631909
Jamaica	2018	0.739624	0.63439
Jamaica	2019	0.76193	0.654431
Japan	1990	1.071062	0.680444
Japan	1991	1.070475	0.67287
Japan	1992	1.076246	0.669168
Japan	1993	1.085941	0.668386
Japan	1994	1.096482	0.668363
Japan	1995	1.098415	0.665185
Japan	1996	1.116045	0.671318
Japan	1997	1.116951	0.666228
Japan	1998	1.100232	0.650244
Japan	1999	1.085048	0.634718
Japan	2000	1.077853	0.623941
Japan	2001	1.078097	0.617512
Japan	2002	1.081282	0.611892
Japan	2003	1.076595	0.602602
Japan	2004	1.086712	0.601979
Japan	2005	1.079257	0.590908
Japan	2006	1.089796	0.590608
Japan	2007	1.081004	0.581309
Japan	2008	1.068997	0.570964
Japan	2009	1.047886	0.557176
Japan	2010	1.039781	0.550218



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Japan	2011	1.059746	0.558397
Japan	2012	1.071226	0.562936
Japan	2013	1.081946	0.568402
Japan	2014	1.09023	0.573894
Japan	2015	1.09495	0.573838
Japan	2016	1.105279	0.578573
Japan	2017	1.106388	0.579657
Japan	2018	1.120202	0.588741
Japan	2019	1.123565	0.592949
Jordan	1990	1.243774	1.278353
Jordan	1991	1.271979	1.323684
Jordan	1992	1.212918	1.282366
Jordan	1993	1.233106	1.313997
Jordan	1994	1.211054	1.303852
Jordan	1995	1.231809	1.332617
Jordan	1996	1.284041	1.392659
Jordan	1997	1.287126	1.406764
Jordan	1998	1.308754	1.439609
Jordan	1999	1.333204	1.476799
Jordan	2000	1.358915	1.522114
Jordan	2001	1.404458	1.596437
Jordan	2002	1.427616	1.644192
Jordan	2003	1.421953	1.638204
Jordan	2004	1.479769	1.729284
Jordan	2005	1.497596	1.826894

Jordan	2006	1.443136	1.794166
Jordan	2007	1.234151	1.483146
Jordan	2008	1.106929	1.285829
Jordan	2009	1.019138	1.165059
Jordan	2010	0.948687	1.067889
Jordan	2011	0.940285	1.066222
Jordan	2012	0.951527	1.102951
Jordan	2013	0.966647	1.159036
Jordan	2014	0.973437	1.182669
Jordan	2015	0.936691	1.117044
Jordan	2016	0.952236	1.138096
Jordan	2017	0.970198	1.166857
Jordan	2018	0.973143	1.154724
Jordan	2019	0.982615	1.164998
Kazakhstan	1990	0.999933	0.671258
Kazakhstan	1991	0.981541	0.660741
Kazakhstan	1992	0.97938	0.666346
Kazakhstan	1993	0.981365	0.670065
Kazakhstan	1994	0.974429	0.669119
Kazakhstan	1995	0.950401	0.661327
Kazakhstan	1996	0.930785	0.656143
Kazakhstan	1997	0.943874	0.664252
Kazakhstan	1998	0.935451	0.657537
Kazakhstan	1999	0.926939	0.650073
Kazakhstan	2000	0.886229	0.629965

Kazakhstan	2001	0.881548	0.629943
Kazakhstan	2002	0.869182	0.618695
Kazakhstan	2003	0.840973	0.59763
Kazakhstan	2004	0.821565	0.586984
Kazakhstan	2005	0.821461	0.589292
Kazakhstan	2006	0.811659	0.58123
Kazakhstan	2007	0.818429	0.578066
Kazakhstan	2008	0.839521	0.583216
Kazakhstan	2009	0.85267	0.585487
Kazakhstan	2010	0.851782	0.57773
Kazakhstan	2011	0.848325	0.564973
Kazakhstan	2012	0.849505	0.555703
Kazakhstan	2013	0.851565	0.5504
Kazakhstan	2014	0.822531	0.523314
Kazakhstan	2015	0.844378	0.529259
Kazakhstan	2016	0.839327	0.522411
Kazakhstan	2017	0.844597	0.520727
Kazakhstan	2018	0.828471	0.515002
Kazakhstan	2019	0.852281	0.536614
Kenya	1990	0.707017	0.669507
Kenya	1991	0.695049	0.65375
Kenya	1992	0.684015	0.637947
Kenya	1993	0.671695	0.620169
Kenya	1994	0.665955	0.607842
Kenya	1995	0.656889	0.59345

Kenya	1996	0.646414	0.578509
Kenya	1997	0.645358	0.571636
Kenya	1998	0.63756	0.559602
Kenya	1999	0.632168	0.549598
Kenya	2000	0.629263	0.542961
Kenya	2001	0.63245	0.542569
Kenya	2002	0.638176	0.545642
Kenya	2003	0.642005	0.548332
Kenya	2004	0.640791	0.547412
Kenya	2005	0.640905	0.546741
Kenya	2006	0.638279	0.544025
Kenya	2007	0.639843	0.544383
Kenya	2008	0.641193	0.544797
Kenya	2009	0.64706	0.549628
Kenya	2010	0.662556	0.562322
Kenya	2011	0.682387	0.578683
Kenya	2012	0.703185	0.596299
Kenya	2013	0.725656	0.615121
Kenya	2014	0.743482	0.63115
Kenya	2015	0.759326	0.646749
Kenya	2016	0.766795	0.655746
Kenya	2017	0.775255	0.665895
Kenya	2018	0.781453	0.675112
Kenya	2019	0.784901	0.682011
Kiribati	1990	1.4921	1.196769

Kiribati	1991	1.456679	1.172151
Kiribati	1992	1.426989	1.152817
Kiribati	1993	1.399922	1.134295
Kiribati	1994	1.379383	1.119111
Kiribati	1995	1.357045	1.1003
Kiribati	1996	1.342688	1.088594
Kiribati	1997	1.337935	1.081264
Kiribati	1998	1.335628	1.075184
Kiribati	1999	1.338924	1.073275
Kiribati	2000	1.334341	1.064826
Kiribati	2001	1.330727	1.059429
Kiribati	2002	1.334753	1.061153
Kiribati	2003	1.344028	1.068185
Kiribati	2004	1.360788	1.08068
Kiribati	2005	1.358904	1.078589
Kiribati	2006	1.337353	1.06056
Kiribati	2007	1.308545	1.039539
Kiribati	2008	1.284763	1.019264
Kiribati	2009	1.261421	0.998717
Kiribati	2010	1.244095	0.982611
Kiribati	2011	1.224451	0.964273
Kiribati	2012	1.203869	0.946504
Kiribati	2013	1.187289	0.931639
Kiribati	2014	1.173134	0.918956
Kiribati	2015	1.174871	0.919107

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5	Kiribati	2016	1.184607	0.925399
6	Kiribati	2017	1.193378	0.931678
7	Kiribati	2018	1.19579	0.933418
8	Kiribati	2019	1.197517	0.934093
9	Kuwait	1990	0.906022	1.255995
10	Kuwait	1991	0.892059	1.282196
11	Kuwait	1992	0.885625	1.259416
12	Kuwait	1993	0.768031	1.079664
13	Kuwait	1994	0.721014	1.029666
14	Kuwait	1995	0.703499	1.018502
15	Kuwait	1996	0.72527	1.063488
16	Kuwait	1997	0.668915	1.014207
17	Kuwait	1998	0.704428	1.07427
18	Kuwait	1999	0.635082	0.968802
19	Kuwait	2000	0.636471	0.973544
20	Kuwait	2001	0.77434	1.188986
21	Kuwait	2002	0.694942	1.096564
22	Kuwait	2003	0.673842	1.081392
23	Kuwait	2004	0.653702	1.044354
24	Kuwait	2005	0.61209	0.973403
25	Kuwait	2006	0.597222	0.957241
26	Kuwait	2007	0.649274	1.040845
27	Kuwait	2008	0.671105	1.096313
28	Kuwait	2009	0.757462	1.216108
29	Kuwait	2010	0.839781	1.32464
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5	Kuwait	2011	0.862705	1.35794
6	Kuwait	2012	0.814298	1.283671
7	Kuwait	2013	0.814568	1.285124
8	Kuwait	2014	0.84126	1.300564
9	Kuwait	2015	0.767129	1.168468
10	Kuwait	2016	0.739668	1.118587
11	Kuwait	2017	0.726698	1.081906
12	Kuwait	2018	0.713715	1.056145
13	Kuwait	2019	0.723676	1.037296
14	Kyrgyzstan	1990	0.891951	0.672838
15	Kyrgyzstan	1991	0.908612	0.691176
16	Kyrgyzstan	1992	0.898784	0.681623
17	Kyrgyzstan	1993	0.850417	0.650437
18	Kyrgyzstan	1994	0.82783	0.639884
19	Kyrgyzstan	1995	0.837243	0.653969
20	Kyrgyzstan	1996	0.834809	0.650548
21	Kyrgyzstan	1997	0.819205	0.637971
22	Kyrgyzstan	1998	0.831842	0.648076
23	Kyrgyzstan	1999	0.840267	0.664432
24	Kyrgyzstan	2000	0.844168	0.661815
25	Kyrgyzstan	2001	0.830856	0.658922
26	Kyrgyzstan	2002	0.828249	0.667975
27	Kyrgyzstan	2003	0.824127	0.67254
28	Kyrgyzstan	2004	0.810225	0.669459
29	Kyrgyzstan	2005	0.806345	0.668711
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Kyrgyzstan	2006	0.770748	0.64556
Kyrgyzstan	2007	0.755731	0.63405
Kyrgyzstan	2008	0.784272	0.65742
Kyrgyzstan	2009	0.81073	0.67425
Kyrgyzstan	2010	0.817755	0.685054
Kyrgyzstan	2011	0.840219	0.711408
Kyrgyzstan	2012	0.841235	0.716805
Kyrgyzstan	2013	0.84349	0.720402
Kyrgyzstan	2014	0.842241	0.705299
Kyrgyzstan	2015	0.860066	0.70151
Kyrgyzstan	2016	0.874609	0.704633
Kyrgyzstan	2017	0.849871	0.684358
Kyrgyzstan	2018	0.841746	0.687493
Kyrgyzstan	2019	0.83568	0.684807
Lao People's Democratic Republic	1990	1.080257	0.904518
Lao People's Democratic Republic	1991	1.079338	0.906014
Lao People's Democratic Republic	1992	1.08287	0.911731
Lao People's Democratic Republic	1993	1.084715	0.916095
Lao People's Democratic Republic	1994	1.087379	0.920926
Lao People's Democratic Republic	1995	1.087375	0.922831
Lao People's Democratic Republic	1996	1.079552	0.918976
Lao People's Democratic Republic	1997	1.072371	0.91556
Lao People's Democratic Republic	1998	1.058718	0.906658
Lao People's Democratic Republic	1999	1.052176	0.902857
Lao People's Democratic Republic	2000	1.036378	0.890862



Lao People's Democratic Republic	2001	1.02433	0.883273
Lao People's Democratic Republic	2002	1.015382	0.87784
Lao People's Democratic Republic	2003	1.002093	0.869322
Lao People's Democratic Republic	2004	0.99141	0.862162
Lao People's Democratic Republic	2005	0.983924	0.856121
Lao People's Democratic Republic	2006	0.974171	0.850443
Lao People's Democratic Republic	2007	0.969745	0.848823
Lao People's Democratic Republic	2008	0.968779	0.849477
Lao People's Democratic Republic	2009	0.964921	0.846846
Lao People's Democratic Republic	2010	0.962207	0.843804
Lao People's Democratic Republic	2011	0.957551	0.841215
Lao People's Democratic Republic	2012	0.951021	0.838007
Lao People's Democratic Republic	2013	0.947474	0.837311
Lao People's Democratic Republic	2014	0.942958	0.835606
Lao People's Democratic Republic	2015	0.939503	0.833335
Lao People's Democratic Republic	2016	0.936031	0.833099
Lao People's Democratic Republic	2017	0.933775	0.833237
Lao People's Democratic Republic	2018	0.929921	0.831474
Lao People's Democratic Republic	2019	0.927608	0.831059
Latvia	1990	1.205006	0.533461
Latvia	1991	1.183017	0.522451
Latvia	1992	1.1596	0.513471
Latvia	1993	1.091711	0.49012
Latvia	1994	1.035137	0.470417
Latvia	1995	1.061499	0.481214

Latvia	1996	1.062243	0.487466
Latvia	1997	1.055513	0.488382
Latvia	1998	1.044571	0.489392
Latvia	1999	1.049745	0.491657
Latvia	2000	1.060367	0.490885
Latvia	2001	1.058915	0.492391
Latvia	2002	1.072686	0.496717
Latvia	2003	1.191884	0.544692
Latvia	2004	1.183538	0.544267
Latvia	2005	1.135283	0.525288
Latvia	2006	1.180254	0.548254
Latvia	2007	1.191916	0.549398
Latvia	2008	1.338475	0.604078
Latvia	2009	1.473186	0.665503
Latvia	2010	1.605934	0.719695
Latvia	2011	1.734377	0.76653
Latvia	2012	1.736977	0.761187
Latvia	2013	1.795712	0.787659
Latvia	2014	1.727391	0.755626
Latvia	2015	1.815508	0.792721
Latvia	2016	1.870149	0.814017
Latvia	2017	1.84377	0.808288
Latvia	2018	1.800032	0.794765
Latvia	2019	1.764838	0.785235
Lebanon	1990	1.071467	0.981764

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5	Lebanon	1991	1.096284	1.005245
6	Lebanon	1992	1.107116	1.018167
7	Lebanon	1993	1.116366	1.030655
8	Lebanon	1994	1.123867	1.0433
9	Lebanon	1995	1.145438	1.068906
10	Lebanon	1996	1.152793	1.082827
11	Lebanon	1997	1.150313	1.087767
12	Lebanon	1998	1.160116	1.103824
13	Lebanon	1999	1.142017	1.095643
14	Lebanon	2000	1.136071	1.09651
15	Lebanon	2001	1.119939	1.087568
16	Lebanon	2002	1.108308	1.081466
17	Lebanon	2003	1.095733	1.073018
18	Lebanon	2004	1.071111	1.051902
19	Lebanon	2005	1.050357	1.031778
20	Lebanon	2006	1.030823	1.01005
21	Lebanon	2007	1.013675	0.987874
22	Lebanon	2008	1.001423	0.968311
23	Lebanon	2009	1.001269	0.95813
24	Lebanon	2010	1.011659	0.956166
25	Lebanon	2011	1.014475	0.945418
26	Lebanon	2012	1.01685	0.933202
27	Lebanon	2013	1.030695	0.93028
28	Lebanon	2014	1.053575	0.933731
29	Lebanon	2015	1.083446	0.942194
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5	Lebanon	2016	1.11331	0.94979
6	Lebanon	2017	1.146106	0.959078
7	Lebanon	2018	1.180669	0.969818
8	Lebanon	2019	1.214408	0.980276
9	Lebanon	2019	1.214408	0.980276
10	Lesotho	1990	0.547406	0.365938
11	Lesotho	1991	0.542313	0.361697
12	Lesotho	1992	0.533141	0.355213
13	Lesotho	1992	0.533141	0.355213
14	Lesotho	1993	0.52431	0.348481
15	Lesotho	1994	0.507527	0.337316
16	Lesotho	1994	0.507527	0.337316
17	Lesotho	1995	0.487595	0.323129
18	Lesotho	1996	0.460489	0.303582
19	Lesotho	1997	0.433845	0.283866
20	Lesotho	1997	0.433845	0.283866
21	Lesotho	1998	0.4568	0.296374
22	Lesotho	1999	0.483221	0.311493
23	Lesotho	1999	0.483221	0.311493
24	Lesotho	2000	0.541543	0.347625
25	Lesotho	2001	0.554774	0.355842
26	Lesotho	2002	0.580648	0.372819
27	Lesotho	2002	0.580648	0.372819
28	Lesotho	2003	0.628877	0.403491
29	Lesotho	2004	0.639428	0.412443
30	Lesotho	2005	0.656144	0.4243
31	Lesotho	2005	0.656144	0.4243
32	Lesotho	2006	0.657785	0.427168
33	Lesotho	2007	0.674236	0.438252
34	Lesotho	2008	0.701223	0.456121
35	Lesotho	2008	0.701223	0.456121
36	Lesotho	2009	0.707365	0.462249
37	Lesotho	2010	0.71764	0.471142
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Lesotho	2011	0.721541	0.476297
Lesotho	2012	0.738423	0.489759
Lesotho	2013	0.742987	0.495743
Lesotho	2014	0.740565	0.497532
Lesotho	2015	0.735094	0.496563
Lesotho	2016	0.722892	0.490841
Lesotho	2017	0.711107	0.4857
Lesotho	2018	0.705235	0.48378
Lesotho	2019	0.705917	0.485671
Liberia	1990	0.9085	0.996005
Liberia	1991	0.911296	0.998861
Liberia	1992	0.925106	1.011605
Liberia	1993	0.924282	1.008222
Liberia	1994	0.917343	0.998056
Liberia	1995	0.913325	0.981736
Liberia	1996	0.878938	0.937608
Liberia	1997	0.869847	0.918023
Liberia	1998	0.850108	0.894908
Liberia	1999	0.838556	0.881561
Liberia	2000	0.849539	0.884162
Liberia	2001	0.86329	0.889863
Liberia	2002	0.885972	0.907093
Liberia	2003	0.88833	0.908553
Liberia	2004	0.899159	0.919208
Liberia	2005	0.912469	0.924308

Liberia	2006	0.92007	0.923942
Liberia	2007	0.924098	0.921404
Liberia	2008	0.926949	0.929499
Liberia	2009	0.922828	0.930079
Liberia	2010	0.930016	0.935905
Liberia	2011	0.941819	0.945008
Liberia	2012	0.942946	0.943157
Liberia	2013	0.938623	0.938907
Liberia	2014	0.940143	0.942135
Liberia	2015	0.942099	0.941489
Liberia	2016	0.950782	0.94713
Liberia	2017	0.957875	0.950271
Liberia	2018	0.960514	0.9517
Liberia	2019	0.96058	0.953451
Libya	1990	1.055999	1.102401
Libya	1991	1.061455	1.107185
Libya	1992	1.031746	1.074807
Libya	1993	1.021858	1.061961
Libya	1994	1.014832	1.051481
Libya	1995	1.008831	1.042201
Libya	1996	1.016403	1.048683
Libya	1997	1.000094	1.031347
Libya	1998	0.991815	1.025339
Libya	1999	0.982479	1.020405
Libya	2000	0.97538	1.013309

Libya	2001	0.934374	0.965433
Libya	2002	0.904144	0.92635
Libya	2003	0.899903	0.916303
Libya	2004	0.962226	0.97716
Libya	2005	1.003809	1.021942
Libya	2006	1.022	1.036288
Libya	2007	1.116889	1.122346
Libya	2008	1.143164	1.149181
Libya	2009	1.226991	1.228515
Libya	2010	1.20636	1.206442
Libya	2011	1.189759	1.190245
Libya	2012	1.216209	1.220529
Libya	2013	1.219613	1.224468
Libya	2014	1.214545	1.220811
Libya	2015	1.225026	1.231131
Libya	2016	1.228146	1.234103
Libya	2017	1.223734	1.228194
Libya	2018	1.220224	1.223662
Libya	2019	1.214728	1.216594
Lithuania	1990	0.971313	0.540179
Lithuania	1991	0.985477	0.54626
Lithuania	1992	0.989442	0.546932
Lithuania	1993	0.949626	0.53415
Lithuania	1994	0.96797	0.550823
Lithuania	1995	1.00168	0.568811

Lithuania	1996	1.019597	0.571551
Lithuania	1997	1.05621	0.584609
Lithuania	1998	1.055637	0.581885
Lithuania	1999	1.050745	0.578728
Lithuania	2000	1.057401	0.578423
Lithuania	2001	1.067042	0.580847
Lithuania	2002	1.080398	0.579941
Lithuania	2003	1.136544	0.606356
Lithuania	2004	1.103524	0.587737
Lithuania	2005	1.084225	0.579263
Lithuania	2006	1.113196	0.594664
Lithuania	2007	1.096276	0.583299
Lithuania	2008	1.198771	0.624744
Lithuania	2009	1.229255	0.622287
Lithuania	2010	1.21543	0.605984
Lithuania	2011	1.22594	0.611089
Lithuania	2012	1.243841	0.615975
Lithuania	2013	1.228526	0.60492
Lithuania	2014	1.242323	0.608617
Lithuania	2015	1.266152	0.620736
Lithuania	2016	1.250372	0.614161
Lithuania	2017	1.337779	0.654176
Lithuania	2018	1.319187	0.645546
Lithuania	2019	1.350657	0.661003
Luxembourg	1990	1.393482	0.713825



Luxembourg	1991	1.405872	0.718466
Luxembourg	1992	1.45974	0.741392
Luxembourg	1993	1.457165	0.737255
Luxembourg	1994	1.465173	0.734587
Luxembourg	1995	1.498477	0.746412
Luxembourg	1996	1.532323	0.762892
Luxembourg	1997	1.541765	0.767401
Luxembourg	1998	1.53696	0.763833
Luxembourg	1999	1.557634	0.771755
Luxembourg	2000	1.583232	0.780806
Luxembourg	2001	1.629875	0.804553
Luxembourg	2002	1.58333	0.786575
Luxembourg	2003	1.541825	0.764156
Luxembourg	2004	1.542719	0.759595
Luxembourg	2005	1.564119	0.7683
Luxembourg	2006	1.568078	0.772499
Luxembourg	2007	1.574228	0.78169
Luxembourg	2008	1.559942	0.780138
Luxembourg	2009	1.486968	0.747579
Luxembourg	2010	1.461338	0.738203
Luxembourg	2011	1.483877	0.760491
Luxembourg	2012	1.434736	0.751165
Luxembourg	2013	1.437263	0.769188
Luxembourg	2014	1.436678	0.781738
Luxembourg	2015	1.449766	0.795169

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5	Luxembourg	2016	1.452105	0.803893
6	Luxembourg	2017	1.424215	0.802565
7	Luxembourg	2018	1.395836	0.799804
8	Luxembourg	2019	1.372174	0.796658
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10	Madagascar	1990	0.654498	0.630902
11	Madagascar	1991	0.665058	0.636322
12	Madagascar	1992	0.679494	0.646495
13	Madagascar	1993	0.674667	0.639008
14	Madagascar	1994	0.673359	0.633825
15	Madagascar	1995	0.672929	0.631342
16	Madagascar	1996	0.669081	0.625767
17	Madagascar	1997	0.68748	0.638721
18	Madagascar	1998	0.690612	0.638743
19	Madagascar	1999	0.690685	0.635064
20	Madagascar	2000	0.704869	0.643978
21	Madagascar	2001	0.712433	0.64898
22	Madagascar	2002	0.730031	0.662803
23	Madagascar	2003	0.730674	0.662693
24	Madagascar	2004	0.739866	0.667256
25	Madagascar	2005	0.736319	0.660275
26	Madagascar	2006	0.730087	0.65173
27	Madagascar	2007	0.726425	0.64593
28	Madagascar	2008	0.72202	0.640593
29	Madagascar	2009	0.728877	0.645161
30	Madagascar	2010	0.734435	0.649298
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Madagascar	2011	0.741916	0.654738
Madagascar	2012	0.749575	0.661406
Madagascar	2013	0.756602	0.668668
Madagascar	2014	0.764441	0.6762
Madagascar	2015	0.770191	0.682863
Madagascar	2016	0.774117	0.690311
Madagascar	2017	0.779615	0.698152
Madagascar	2018	0.78173	0.702984
Madagascar	2019	0.783939	0.70848
Malawi	1990	0.863324	0.714457
Malawi	1991	0.838268	0.692198
Malawi	1992	0.814011	0.670492
Malawi	1993	0.796118	0.651846
Malawi	1994	0.780322	0.635558
Malawi	1995	0.762866	0.621129
Malawi	1996	0.748306	0.610385
Malawi	1997	0.734158	0.599556
Malawi	1998	0.72624	0.593395
Malawi	1999	0.724455	0.586929
Malawi	2000	0.715552	0.575648
Malawi	2001	0.705807	0.565471
Malawi	2002	0.70057	0.558742
Malawi	2003	0.700275	0.556185
Malawi	2004	0.690505	0.54759
Malawi	2005	0.684543	0.540365

1	Malawi	2006	0.682796	0.534722
2	Malawi	2007	0.686828	0.535867
3	Malawi	2008	0.697033	0.54052
4	Malawi	2009	0.707276	0.54586
5	Malawi	2010	0.71033	0.546968
6	Malawi	2011	0.714983	0.54886
7	Malawi	2012	0.724143	0.555918
8	Malawi	2013	0.733413	0.563464
9	Malawi	2014	0.737841	0.569168
10	Malawi	2015	0.74575	0.576821
11	Malawi	2016	0.748773	0.583159
12	Malawi	2017	0.754559	0.591801
13	Malawi	2018	0.760637	0.599123
14	Malawi	2019	0.765263	0.605597
15	Malaysia	1990	0.819196	0.788761
16	Malaysia	1991	0.846018	0.816191
17	Malaysia	1992	0.886443	0.853191
18	Malaysia	1993	0.94471	0.913312
19	Malaysia	1994	0.975225	0.954186
20	Malaysia	1995	0.982179	0.948723
21	Malaysia	1996	0.950804	0.889981
22	Malaysia	1997	0.965724	0.902726
23	Malaysia	1998	1.026153	0.991537
24	Malaysia	1999	1.047448	1.026159
25	Malaysia	2000	1.034293	1.007025

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5	Malaysia	2001	1.027312	0.987668
6	Malaysia	2002	1.078764	1.04399
7	Malaysia	2003	1.063797	1.039922
8	Malaysia	2004	1.060262	1.061847
9	Malaysia	2005	1.066861	1.080876
10	Malaysia	2006	1.07099	1.094214
11	Malaysia	2007	1.072336	1.107498
12	Malaysia	2008	1.059789	1.110449
13	Malaysia	2009	1.063617	1.123318
14	Malaysia	2010	1.057671	1.11054
15	Malaysia	2011	1.04982	1.098519
16	Malaysia	2012	1.067402	1.137766
17	Malaysia	2013	1.064808	1.180301
18	Malaysia	2014	1.056546	1.179
19	Malaysia	2015	1.053687	1.173967
20	Malaysia	2016	1.045563	1.136786
21	Malaysia	2017	1.04171	1.122423
22	Malaysia	2018	1.044457	1.117039
23	Malaysia	2019	1.041762	1.08757
24	Maldives	1990	0.963518	1.206453
25	Maldives	1991	0.972691	1.238021
26	Maldives	1992	0.98505	1.276931
27	Maldives	1993	0.95509	1.239805
28	Maldives	1994	0.900192	1.140108
29	Maldives	1995	0.914347	1.166679
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Maldives	1996	0.962101	1.260357
Maldives	1997	0.99324	1.318302
Maldives	1998	0.950574	1.23224
Maldives	1999	0.950123	1.207546
Maldives	2000	0.963335	1.233702
Maldives	2001	0.952392	1.219721
Maldives	2002	0.85437	1.079451
Maldives	2003	0.855313	1.076779
Maldives	2004	0.863548	1.078919
Maldives	2005	0.867198	1.075533
Maldives	2006	0.878145	1.082157
Maldives	2007	0.896513	1.09889
Maldives	2008	0.915916	1.116226
Maldives	2009	0.944785	1.145004
Maldives	2010	0.961791	1.162282
Maldives	2011	0.957437	1.155309
Maldives	2012	0.951009	1.149364
Maldives	2013	0.938156	1.13562
Maldives	2014	0.919664	1.11528
Maldives	2015	0.897286	1.09207
Maldives	2016	0.902015	1.100388
Maldives	2017	0.903999	1.105606
Maldives	2018	0.905796	1.110964
Maldives	2019	0.90613	1.11559
Mali	1990	1.052152	0.960348

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5	Mali	1991	1.049099	0.963432
6	Mali	1992	1.04031	0.962519
7	Mali	1993	1.024426	0.95587
8	Mali	1994	1.014837	0.953214
9	Mali	1995	1.01442	0.958046
10	Mali	1996	1.009798	0.959951
11	Mali	1997	1.013619	0.970303
12	Mali	1998	1.006038	0.969867
13	Mali	1999	0.988446	0.959086
14	Mali	2000	0.979709	0.955419
15	Mali	2001	0.967442	0.950056
16	Mali	2002	0.956589	0.943906
17	Mali	2003	0.948678	0.941863
18	Mali	2004	0.931661	0.929066
19	Mali	2005	0.920049	0.920402
20	Mali	2006	0.912475	0.915756
21	Mali	2007	0.896128	0.902561
22	Mali	2008	0.880758	0.889383
23	Mali	2009	0.8671	0.8774
24	Mali	2010	0.862463	0.874125
25	Mali	2011	0.861756	0.875638
26	Mali	2012	0.860395	0.876241
27	Mali	2013	0.852067	0.868954
28	Mali	2014	0.849678	0.868136
29	Mali	2015	0.842445	0.862383
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Mali	2016	0.832439	0.855942
Mali	2017	0.822786	0.849405
Mali	2018	0.827136	0.855255
Mali	2019	0.830844	0.85997
Malta	1990	1.008276	0.651471
Malta	1991	1.030094	0.651632
Malta	1992	1.060652	0.662053
Malta	1993	1.091122	0.675794
Malta	1994	1.154814	0.722773
Malta	1995	1.172958	0.735947
Malta	1996	1.138106	0.716251
Malta	1997	1.119391	0.702479
Malta	1998	1.163283	0.728761
Malta	1999	1.16292	0.731829
Malta	2000	1.163634	0.732145
Malta	2001	1.136787	0.714885
Malta	2002	1.094725	0.687322
Malta	2003	1.085162	0.685129
Malta	2004	1.089569	0.692118
Malta	2005	1.035043	0.659262
Malta	2006	1.047596	0.668544
Malta	2007	1.038632	0.664038
Malta	2008	1.016727	0.651006
Malta	2009	1.034098	0.663307
Malta	2010	1.009965	0.647124



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5	Malta	2011	1.002912	0.643467
6	Malta	2012	1.017241	0.650393
7	Malta	2013	1.027006	0.65451
8	Malta	2014	1.031116	0.659429
9	Malta	2015	1.140398	0.725348
10	Malta	2016	1.132609	0.72308
11	Malta	2017	1.126121	0.720151
12	Malta	2018	1.114579	0.716802
13	Malta	2019	1.098586	0.713248
14	Marshall Islands	1990	0.829497	0.73961
15	Marshall Islands	1991	0.84873	0.754036
16	Marshall Islands	1992	0.862116	0.764425
17	Marshall Islands	1993	0.895229	0.794611
18	Marshall Islands	1994	1.000765	0.922647
19	Marshall Islands	1995	1.014702	0.941943
20	Marshall Islands	1996	1.041135	0.970383
21	Marshall Islands	1997	1.044842	0.980008
22	Marshall Islands	1998	1.04679	0.986713
23	Marshall Islands	1999	1.041891	0.986813
24	Marshall Islands	2000	1.037892	0.986503
25	Marshall Islands	2001	1.034632	0.986928
26	Marshall Islands	2002	1.035458	0.991621
27	Marshall Islands	2003	1.033946	0.994506
28	Marshall Islands	2004	1.043391	1.007015
29	Marshall Islands	2005	1.033638	1.00178
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5	Marshall Islands	2006	1.024225	0.996898
6	Marshall Islands	2007	1.005892	0.982809
7	Marshall Islands	2008	0.989552	0.970255
8	Marshall Islands	2009	0.978998	0.962731
9	Marshall Islands	2010	0.973948	0.960239
10	Marshall Islands	2011	0.966812	0.954487
11	Marshall Islands	2012	0.960175	0.948971
12	Marshall Islands	2013	0.955867	0.945321
13	Marshall Islands	2014	0.950784	0.939663
14	Marshall Islands	2015	0.947166	0.936217
15	Marshall Islands	2016	0.946444	0.934338
16	Marshall Islands	2017	0.948871	0.935285
17	Marshall Islands	2018	0.94816	0.933495
18	Marshall Islands	2019	0.948073	0.931827
19	Mauritania	1990	1.292419	1.123301
20	Mauritania	1991	1.304114	1.144613
21	Mauritania	1992	1.311313	1.163473
22	Mauritania	1993	1.316344	1.181659
23	Mauritania	1994	1.321783	1.193751
24	Mauritania	1995	1.330612	1.208804
25	Mauritania	1996	1.334792	1.220411
26	Mauritania	1997	1.337735	1.23014
27	Mauritania	1998	1.342861	1.23923
28	Mauritania	1999	1.355719	1.257931
29	Mauritania	2000	1.354422	1.266274
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5	Mauritania	2001	1.338039	1.263431
6	Mauritania	2002	1.326071	1.263031
7	Mauritania	2003	1.32429	1.269958
8	Mauritania	2004	1.312932	1.26527
9	Mauritania	2005	1.308692	1.266842
10	Mauritania	2006	1.304456	1.274066
11	Mauritania	2007	1.286568	1.263329
12	Mauritania	2008	1.259677	1.245972
13	Mauritania	2009	1.226907	1.223864
14	Mauritania	2010	1.206542	1.21002
15	Mauritania	2011	1.194471	1.198175
16	Mauritania	2012	1.18269	1.187555
17	Mauritania	2013	1.170872	1.180314
18	Mauritania	2014	1.181396	1.189417
19	Mauritania	2015	1.185942	1.195127
20	Mauritania	2016	1.190154	1.203213
21	Mauritania	2017	1.186943	1.204661
22	Mauritania	2018	1.18427	1.206028
23	Mauritania	2019	1.182881	1.204325
24	Mauritania	2019	1.182881	1.204325
25	Mauritania	2019	1.182881	1.204325
26	Mauritania	2019	1.182881	1.204325
27	Mauritania	2019	1.182881	1.204325
28	Mauritania	2019	1.182881	1.204325
29	Mauritania	2019	1.182881	1.204325
30	Mauritania	2019	1.182881	1.204325
31	Mauritius	1990	0.93321	0.754336
32	Mauritius	1991	0.950503	0.755029
33	Mauritius	1992	1.044833	0.830833
34	Mauritius	1993	0.972502	0.775092
35	Mauritius	1994	0.996268	0.7839
36	Mauritius	1995	0.988114	0.789355
37	Mauritius	1995	0.988114	0.789355
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Mauritius	1996	0.923973	0.738861
Mauritius	1997	0.899823	0.699261
Mauritius	1998	0.910683	0.702415
Mauritius	1999	0.928566	0.717855
Mauritius	2000	0.995053	0.77431
Mauritius	2001	0.979239	0.769047
Mauritius	2002	0.899328	0.7055
Mauritius	2003	0.943053	0.733968
Mauritius	2004	0.925262	0.723859
Mauritius	2005	0.92733	0.727248
Mauritius	2006	0.942548	0.745284
Mauritius	2007	0.934733	0.753928
Mauritius	2008	0.902499	0.735209
Mauritius	2009	0.855919	0.696554
Mauritius	2010	0.884717	0.710758
Mauritius	2011	0.843754	0.678107
Mauritius	2012	0.895397	0.714052
Mauritius	2013	0.870548	0.695416
Mauritius	2014	0.872555	0.701738
Mauritius	2015	0.849229	0.685232
Mauritius	2016	0.828713	0.669571
Mauritius	2017	0.889327	0.717066
Mauritius	2018	0.873638	0.706288
Mauritius	2019	0.865816	0.699819
Mexico	1990	1.078398	1.048632

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Mexico	1991	1.075019	1.040023
Mexico	1992	1.086669	1.043003
Mexico	1993	1.091016	1.040778
Mexico	1994	1.082324	1.027802
Mexico	1995	1.095406	1.033573
Mexico	1996	1.094571	1.026731
Mexico	1997	1.094724	1.022765
Mexico	1998	1.102235	1.022629
Mexico	1999	1.120489	1.033242
Mexico	2000	1.097268	1.009582
Mexico	2001	1.101573	1.009819
Mexico	2002	1.080918	0.987715
Mexico	2003	1.074058	0.97873
Mexico	2004	1.071029	0.974993
Mexico	2005	1.053626	0.959082
Mexico	2006	1.049174	0.953395
Mexico	2007	1.047691	0.950921
Mexico	2008	1.020609	0.923375
Mexico	2009	1.031489	0.928038
Mexico	2010	1.033104	0.92865
Mexico	2011	1.016719	0.911677
Mexico	2012	1.010454	0.902523
Mexico	2013	0.984236	0.875506
Mexico	2014	0.978046	0.867256
Mexico	2015	0.960093	0.848844

Mexico	2016	0.946389	0.834406
Mexico	2017	0.919663	0.808347
Mexico	2018	0.92066	0.806294
Mexico	2019	0.912661	0.794804
Micronesia (Federated States of)	1990	1.044948	0.976014
Micronesia (Federated States of)	1991	1.063367	0.987065
Micronesia (Federated States of)	1992	1.085287	1.00053
Micronesia (Federated States of)	1993	1.104225	1.010412
Micronesia (Federated States of)	1994	1.127485	1.023454
Micronesia (Federated States of)	1995	1.154087	1.039054
Micronesia (Federated States of)	1996	1.175387	1.049479
Micronesia (Federated States of)	1997	1.192982	1.057541
Micronesia (Federated States of)	1998	1.205251	1.061571
Micronesia (Federated States of)	1999	1.216182	1.065192
Micronesia (Federated States of)	2000	1.22136	1.064296
Micronesia (Federated States of)	2001	1.227829	1.06496
Micronesia (Federated States of)	2002	1.23739	1.069029
Micronesia (Federated States of)	2003	1.224554	1.054574
Micronesia (Federated States of)	2004	1.221401	1.049043
Micronesia (Federated States of)	2005	1.212073	1.039666
Micronesia (Federated States of)	2006	1.227931	1.050787
Micronesia (Federated States of)	2007	1.19562	1.021078
Micronesia (Federated States of)	2008	1.162752	0.99167
Micronesia (Federated States of)	2009	1.129838	0.96289
Micronesia (Federated States of)	2010	1.101329	0.937482

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5	Micronesia (Federated States of)	2011	1.064706	0.907
6	Micronesia (Federated States of)	2012	1.034839	0.882568
7	Micronesia (Federated States of)	2013	1.009272	0.861923
8	Micronesia (Federated States of)	2014	0.988996	0.845971
9	Micronesia (Federated States of)	2015	0.97729	0.835961
10	Micronesia (Federated States of)	2016	0.962942	0.825061
11	Micronesia (Federated States of)	2017	0.959648	0.823572
12	Micronesia (Federated States of)	2018	0.955921	0.821916
13	Micronesia (Federated States of)	2019	0.951491	0.819525
14	Monaco	1990	0.925141	0.509605
15	Monaco	1991	0.927871	0.511247
16	Monaco	1992	0.935894	0.515033
17	Monaco	1993	0.947152	0.520603
18	Monaco	1994	0.958841	0.52651
19	Monaco	1995	0.968499	0.532215
20	Monaco	1996	0.976394	0.538766
21	Monaco	1997	0.991226	0.548622
22	Monaco	1998	1.010798	0.560403
23	Monaco	1999	1.034407	0.573567
24	Monaco	2000	1.055584	0.586374
25	Monaco	2001	1.068534	0.59852
26	Monaco	2002	1.075324	0.609122
27	Monaco	2003	1.081212	0.620175
28	Monaco	2004	1.086635	0.630366
29	Monaco	2005	1.088433	0.639145
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5	Monaco	2006	1.082645	0.645151
6	Monaco	2007	1.070951	0.648902
7	Monaco	2008	1.059886	0.653042
8	Monaco	2009	1.054282	0.658945
9	Monaco	2010	1.052876	0.666098
10	Monaco	2011	1.050548	0.672052
11	Monaco	2012	1.046823	0.678352
12	Monaco	2013	1.03124	0.674487
13	Monaco	2014	1.025477	0.675192
14	Monaco	2015	1.022501	0.676323
15	Monaco	2016	1.017735	0.675253
16	Monaco	2017	1.011475	0.673635
17	Monaco	2018	1.004845	0.672659
18	Monaco	2019	0.997704	0.670993
19	Mongolia	1990	1.068489	0.837677
20	Mongolia	1991	1.083221	0.846939
21	Mongolia	1992	1.081256	0.854461
22	Mongolia	1993	1.092407	0.854763
23	Mongolia	1994	1.087824	0.850761
24	Mongolia	1995	1.079002	0.852306
25	Mongolia	1996	1.060124	0.840739
26	Mongolia	1997	1.082339	0.856448
27	Mongolia	1998	1.074045	0.833624
28	Mongolia	1999	1.084455	0.837111
29	Mongolia	2000	1.047604	0.821764
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Mongolia	2001	0.976921	0.761449
Mongolia	2002	0.921562	0.715086
Mongolia	2003	0.882353	0.687733
Mongolia	2004	0.854392	0.675443
Mongolia	2005	0.832971	0.664011
Mongolia	2006	0.833794	0.662218
Mongolia	2007	0.823721	0.663589
Mongolia	2008	0.819758	0.675399
Mongolia	2009	0.832738	0.69269
Mongolia	2010	0.825495	0.676345
Mongolia	2011	0.81695	0.665265
Mongolia	2012	0.819276	0.684519
Mongolia	2013	0.808343	0.682186
Mongolia	2014	0.795602	0.677174
Mongolia	2015	0.795543	0.676357
Mongolia	2016	0.790086	0.663606
Mongolia	2017	0.794348	0.661505
Mongolia	2018	0.793758	0.653293
Mongolia	2019	0.788673	0.633037
Montenegro	1990	0.730016	0.531763
Montenegro	1991	0.733277	0.528923
Montenegro	1992	0.752784	0.539443
Montenegro	1993	0.760196	0.546079
Montenegro	1994	0.793137	0.571782
Montenegro	1995	0.803658	0.58153

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5	Montenegro	1996	0.816688	0.593459
6	Montenegro	1997	0.803945	0.587557
7	Montenegro	1998	0.800749	0.587413
8	Montenegro	1999	0.806197	0.590958
9	Montenegro	2000	0.831277	0.61343
10	Montenegro	2001	0.83478	0.624572
11	Montenegro	2002	0.812396	0.611387
12	Montenegro	2003	0.800159	0.604112
13	Montenegro	2004	0.776479	0.583612
14	Montenegro	2005	0.749911	0.558299
15	Montenegro	2006	0.761925	0.567128
16	Montenegro	2007	0.800333	0.592415
17	Montenegro	2008	0.829676	0.616523
18	Montenegro	2009	0.849739	0.637266
19	Montenegro	2010	0.862346	0.649889
20	Montenegro	2011	0.845212	0.642788
21	Montenegro	2012	0.851893	0.648937
22	Montenegro	2013	0.843268	0.645223
23	Montenegro	2014	0.848705	0.651204
24	Montenegro	2015	0.842623	0.641021
25	Montenegro	2016	0.809543	0.606147
26	Montenegro	2017	0.802626	0.594613
27	Montenegro	2018	0.825529	0.60972
28	Montenegro	2019	0.810302	0.592792
29	Morocco	1990	0.99491	0.878909
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Morocco	1991	0.991678	0.881717
Morocco	1992	0.946036	0.847594
Morocco	1993	0.935928	0.840068
Morocco	1994	0.94912	0.849024
Morocco	1995	0.952789	0.849879
Morocco	1996	0.973631	0.873777
Morocco	1997	0.987708	0.885371
Morocco	1998	0.96864	0.862799
Morocco	1999	0.966075	0.851575
Morocco	2000	1.027192	0.934749
Morocco	2001	1.1055	1.039632
Morocco	2002	1.172219	1.105859
Morocco	2003	1.178042	1.112077
Morocco	2004	1.210291	1.158825
Morocco	2005	1.232854	1.193653
Morocco	2006	1.241772	1.213695
Morocco	2007	1.25736	1.236321
Morocco	2008	1.258971	1.247946
Morocco	2009	1.258156	1.25791
Morocco	2010	1.260311	1.270169
Morocco	2011	1.257748	1.277081
Morocco	2012	1.235274	1.256931
Morocco	2013	1.049889	1.040043
Morocco	2014	1.068511	1.042004
Morocco	2015	1.085833	1.043414

Morocco	2016	1.097535	1.040243
Morocco	2017	1.107104	1.035671
Morocco	2018	1.112476	1.03045
Morocco	2019	1.116306	1.025441
Mozambique	1990	0.7455	0.632955
Mozambique	1991	0.740092	0.623329
Mozambique	1992	0.735712	0.617705
Mozambique	1993	0.723898	0.608977
Mozambique	1994	0.719732	0.605701
Mozambique	1995	0.713228	0.598496
Mozambique	1996	0.714012	0.596174
Mozambique	1997	0.715332	0.594212
Mozambique	1998	0.710254	0.587737
Mozambique	1999	0.702769	0.579659
Mozambique	2000	0.692727	0.56899
Mozambique	2001	0.678268	0.555227
Mozambique	2002	0.669768	0.545593
Mozambique	2003	0.664322	0.539428
Mozambique	2004	0.664309	0.538267
Mozambique	2005	0.67067	0.543276
Mozambique	2006	0.666668	0.537137
Mozambique	2007	0.666481	0.536097
Mozambique	2008	0.66311	0.534174
Mozambique	2009	0.663878	0.535535
Mozambique	2010	0.664697	0.536946

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Mozambique	2011	0.665384	0.538654
Mozambique	2012	0.666639	0.540631
Mozambique	2013	0.667253	0.542927
Mozambique	2014	0.670594	0.547312
Mozambique	2015	0.676028	0.553124
Mozambique	2016	0.678167	0.557826
Mozambique	2017	0.68422	0.56494
Mozambique	2018	0.686623	0.567848
Mozambique	2019	0.689936	0.571072
Myanmar	1990	1.18372	0.956469
Myanmar	1991	1.186191	0.955607
Myanmar	1992	1.19093	0.957006
Myanmar	1993	1.194359	0.957396
Myanmar	1994	1.1991	0.959002
Myanmar	1995	1.201551	0.957968
Myanmar	1996	1.201112	0.955698
Myanmar	1997	1.200431	0.953416
Myanmar	1998	1.201065	0.952161
Myanmar	1999	1.200264	0.950136
Myanmar	2000	1.205709	0.953426
Myanmar	2001	1.200051	0.949125
Myanmar	2002	1.197862	0.947276
Myanmar	2003	1.20639	0.952919
Myanmar	2004	1.192564	0.942485
Myanmar	2005	1.178545	0.930368

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5	Myanmar	2006	1.17357	0.924872
6	Myanmar	2007	1.161685	0.914034
7	Myanmar	2008	1.150781	0.9032
8	Myanmar	2009	1.127682	0.883668
9	Myanmar	2010	1.099544	0.859687
10	Myanmar	2011	1.071159	0.835402
11	Myanmar	2012	1.05088	0.816291
12	Myanmar	2013	1.050014	0.812047
13	Myanmar	2014	1.048675	0.807729
14	Myanmar	2015	1.048365	0.80387
15	Myanmar	2016	1.049722	0.801738
16	Myanmar	2017	1.060853	0.807818
17	Myanmar	2018	1.06684	0.8106
18	Myanmar	2019	1.070598	0.810062
19	Namibia	1990	0.520952	0.414139
20	Namibia	1991	0.518697	0.41023
21	Namibia	1992	0.514996	0.405404
22	Namibia	1993	0.516465	0.404232
23	Namibia	1994	0.514588	0.401503
24	Namibia	1995	0.514977	0.400811
25	Namibia	1996	0.512347	0.398035
26	Namibia	1997	0.520707	0.40232
27	Namibia	1998	0.528704	0.406669
28	Namibia	1999	0.536913	0.411569
29	Namibia	2000	0.542403	0.414466
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Namibia	2001	0.536134	0.40849
Namibia	2002	0.535634	0.406544
Namibia	2003	0.527334	0.398785
Namibia	2004	0.515515	0.38807
Namibia	2005	0.50934	0.380508
Namibia	2006	0.512883	0.379323
Namibia	2007	0.520243	0.380621
Namibia	2008	0.525957	0.380947
Namibia	2009	0.537255	0.385315
Namibia	2010	0.542963	0.386363
Namibia	2011	0.547274	0.385731
Namibia	2012	0.562226	0.393271
Namibia	2013	0.570154	0.396655
Namibia	2014	0.579949	0.402086
Namibia	2015	0.589423	0.407695
Namibia	2016	0.596258	0.411905
Namibia	2017	0.601077	0.414841
Namibia	2018	0.606703	0.418179
Namibia	2019	0.61335	0.422065
Nauru	1990	0.841129	0.90935
Nauru	1991	0.836849	0.90501
Nauru	1992	0.838949	0.908351
Nauru	1993	0.81655	0.888291
Nauru	1994	0.827685	0.897083
Nauru	1995	0.825315	0.892624

Nauru	1996	0.835952	0.896632
Nauru	1997	0.847038	0.900004
Nauru	1998	0.859692	0.901619
Nauru	1999	0.855559	0.887218
Nauru	2000	0.855925	0.875318
Nauru	2001	0.857772	0.863824
Nauru	2002	0.845386	0.844801
Nauru	2003	0.839563	0.830172
Nauru	2004	0.843791	0.82551
Nauru	2005	0.830454	0.805166
Nauru	2006	0.821763	0.78876
Nauru	2007	0.806174	0.767626
Nauru	2008	0.793628	0.750901
Nauru	2009	0.787585	0.740255
Nauru	2010	0.783428	0.733114
Nauru	2011	0.782513	0.727983
Nauru	2012	0.78002	0.722149
Nauru	2013	0.779317	0.718327
Nauru	2014	0.776438	0.713153
Nauru	2015	0.78012	0.712964
Nauru	2016	0.786155	0.71382
Nauru	2017	0.797984	0.719267
Nauru	2018	0.809922	0.723824
Nauru	2019	0.822037	0.727821
Nepal	1990	1.006487	0.88658



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Nepal	1991	1.008787	0.889125
Nepal	1992	1.017032	0.897647
Nepal	1993	1.009764	0.893959
Nepal	1994	0.999923	0.887975
Nepal	1995	0.980684	0.874587
Nepal	1996	0.960356	0.859834
Nepal	1997	0.932334	0.838205
Nepal	1998	0.9169	0.826599
Nepal	1999	0.913889	0.824936
Nepal	2000	0.891626	0.807733
Nepal	2001	0.885184	0.803387
Nepal	2002	0.88509	0.80353
Nepal	2003	0.886223	0.804379
Nepal	2004	0.88261	0.801964
Nepal	2005	0.88549	0.803022
Nepal	2006	0.885284	0.802625
Nepal	2007	0.895269	0.810404
Nepal	2008	0.906467	0.818901
Nepal	2009	0.920021	0.829422
Nepal	2010	0.946883	0.850073
Nepal	2011	0.956762	0.857514
Nepal	2012	0.976914	0.871798
Nepal	2013	0.994293	0.883126
Nepal	2014	1.016476	0.898038
Nepal	2015	1.035396	0.907818

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5	Nepal	2016	1.049671	0.914186
6	Nepal	2017	1.063584	0.920054
7	Nepal	2018	1.076166	0.92446
8	Nepal	2019	1.087308	0.926945
9	Nepal	2019	1.087308	0.926945
10	Netherlands	1990	1.447557	0.744821
11	Netherlands	1991	1.476313	0.748788
12	Netherlands	1992	1.479029	0.741339
13	Netherlands	1993	1.466228	0.727559
14	Netherlands	1994	1.509769	0.744292
15	Netherlands	1995	1.525182	0.750735
16	Netherlands	1996	1.511319	0.746839
17	Netherlands	1997	1.502871	0.745412
18	Netherlands	1998	1.468095	0.728972
19	Netherlands	1999	1.439072	0.71541
20	Netherlands	2000	1.39814	0.697868
21	Netherlands	2001	1.413555	0.709338
22	Netherlands	2002	1.425754	0.719386
23	Netherlands	2003	1.388924	0.704545
24	Netherlands	2004	1.400944	0.709384
25	Netherlands	2005	1.401287	0.709922
26	Netherlands	2006	1.401839	0.710847
27	Netherlands	2007	1.402669	0.714385
28	Netherlands	2008	1.406942	0.72216
29	Netherlands	2009	1.40736	0.727049
30	Netherlands	2010	1.421272	0.736793
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Netherlands	2011	1.446806	0.757099
Netherlands	2012	1.442136	0.762483
Netherlands	2013	1.430792	0.767487
Netherlands	2014	1.440957	0.786282
Netherlands	2015	1.412873	0.785196
Netherlands	2016	1.402363	0.791495
Netherlands	2017	1.364227	0.786008
Netherlands	2018	1.345275	0.792336
Netherlands	2019	1.31752	0.791067
New Zealand	1990	1.066192	0.705987
New Zealand	1991	1.063794	0.698293
New Zealand	1992	0.993804	0.647648
New Zealand	1993	0.990158	0.641685
New Zealand	1994	0.975831	0.628564
New Zealand	1995	0.987665	0.632708
New Zealand	1996	1.006324	0.639629
New Zealand	1997	0.977481	0.622835
New Zealand	1998	0.981552	0.627138
New Zealand	1999	0.975372	0.624972
New Zealand	2000	0.962181	0.62377
New Zealand	2001	0.943874	0.613128
New Zealand	2002	0.97546	0.637451
New Zealand	2003	0.971302	0.637979
New Zealand	2004	0.993113	0.655944
New Zealand	2005	0.992803	0.66123

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5	New Zealand	2006	0.984374	0.661881
6	New Zealand	2007	0.956275	0.65261
7	New Zealand	2008	0.960295	0.664472
8	New Zealand	2009	0.944662	0.656956
9	New Zealand	2010	0.959474	0.671581
10	New Zealand	2011	0.954743	0.674297
11	New Zealand	2012	0.930048	0.664193
12	New Zealand	2013	0.924215	0.667159
13	New Zealand	2014	0.91942	0.665934
14	New Zealand	2015	0.941312	0.687821
15	New Zealand	2016	0.929588	0.68481
16	New Zealand	2017	0.927328	0.689256
17	New Zealand	2018	0.893293	0.670898
18	New Zealand	2019	0.881984	0.667259
19	Nicaragua	1990	0.522688	0.397753
20	Nicaragua	1991	0.514671	0.395575
21	Nicaragua	1992	0.515144	0.395474
22	Nicaragua	1993	0.52376	0.401308
23	Nicaragua	1994	0.495389	0.382344
24	Nicaragua	1995	0.657199	0.544353
25	Nicaragua	1996	0.644636	0.542242
26	Nicaragua	1997	0.630431	0.535664
27	Nicaragua	1998	0.618795	0.531651
28	Nicaragua	1999	0.572153	0.497733
29	Nicaragua	2000	0.578434	0.508295
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Nicaragua	2001	0.593106	0.527615
Nicaragua	2002	0.583986	0.525227
Nicaragua	2003	0.551447	0.49958
Nicaragua	2004	0.557455	0.50602
Nicaragua	2005	0.538036	0.48986
Nicaragua	2006	0.52597	0.477105
Nicaragua	2007	0.544361	0.49303
Nicaragua	2008	0.539564	0.48876
Nicaragua	2009	0.545132	0.49153
Nicaragua	2010	0.550934	0.493435
Nicaragua	2011	0.535405	0.477532
Nicaragua	2012	0.522062	0.46299
Nicaragua	2013	0.524102	0.460842
Nicaragua	2014	0.537312	0.467204
Nicaragua	2015	0.557047	0.479269
Nicaragua	2016	0.541955	0.463483
Nicaragua	2017	0.558139	0.471183
Nicaragua	2018	0.560598	0.468403
Nicaragua	2019	0.562831	0.466458
Niger	1990	0.810415	0.758079
Niger	1991	0.826226	0.773965
Niger	1992	0.838852	0.788117
Niger	1993	0.845358	0.798159
Niger	1994	0.855762	0.808671
Niger	1995	0.860737	0.809156

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5	Niger	1996	0.856771	0.807281
6	Niger	1997	0.855472	0.806414
7	Niger	1998	0.843432	0.798485
8	Niger	1999	0.828745	0.782915
9	Niger	2000	0.819592	0.771369
10	Niger	2001	0.806746	0.759651
11	Niger	2002	0.797001	0.752312
12	Niger	2003	0.787058	0.746425
13	Niger	2004	0.775544	0.739366
14	Niger	2005	0.766949	0.727909
15	Niger	2006	0.756655	0.71908
16	Niger	2007	0.750941	0.711134
17	Niger	2008	0.743702	0.704064
18	Niger	2009	0.735897	0.69378
19	Niger	2010	0.727739	0.684338
20	Niger	2011	0.726785	0.678833
21	Niger	2012	0.724445	0.674636
22	Niger	2013	0.718303	0.669687
23	Niger	2014	0.722409	0.67305
24	Niger	2015	0.724784	0.671592
25	Niger	2016	0.724831	0.672213
26	Niger	2017	0.726952	0.673326
27	Niger	2018	0.721766	0.673434
28	Niger	2019	0.724118	0.675679
29	Nigeria	1990	0.942702	0.872561
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Nigeria	1991	0.934436	0.872282
Nigeria	1992	0.924894	0.872943
Nigeria	1993	0.914077	0.870767
Nigeria	1994	0.906826	0.871447
Nigeria	1995	0.895881	0.866064
Nigeria	1996	0.885105	0.861683
Nigeria	1997	0.881762	0.864812
Nigeria	1998	0.87083	0.860374
Nigeria	1999	0.852298	0.847813
Nigeria	2000	0.834291	0.834275
Nigeria	2001	0.819429	0.824864
Nigeria	2002	0.807634	0.81888
Nigeria	2003	0.793461	0.811085
Nigeria	2004	0.783844	0.806558
Nigeria	2005	0.771572	0.797225
Nigeria	2006	0.765569	0.792637
Nigeria	2007	0.759324	0.78688
Nigeria	2008	0.75287	0.779753
Nigeria	2009	0.745507	0.769981
Nigeria	2010	0.736712	0.759652
Nigeria	2011	0.734046	0.753786
Nigeria	2012	0.737838	0.751281
Nigeria	2013	0.734996	0.740608
Nigeria	2014	0.742661	0.740121
Nigeria	2015	0.754025	0.743835

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5	Nigeria	2016	0.763335	0.745167
6	Nigeria	2017	0.778616	0.75156
7	Nigeria	2018	0.793522	0.757511
8	Nigeria	2019	0.810217	0.764132
9	Niue	1990	1.190231	0.775411
10	Niue	1991	1.194033	0.789915
11	Niue	1992	1.207319	0.812242
12	Niue	1993	1.20373	0.823011
13	Niue	1994	1.178585	0.817084
14	Niue	1995	1.157887	0.813367
15	Niue	1996	1.143385	0.814647
16	Niue	1997	1.133241	0.820008
17	Niue	1998	1.099876	0.807742
18	Niue	1999	1.073953	0.798718
19	Niue	2000	1.048715	0.788429
20	Niue	2001	1.012068	0.767538
21	Niue	2002	1.005777	0.76615
22	Niue	2003	0.992871	0.757578
23	Niue	2004	1.011142	0.772571
24	Niue	2005	0.978883	0.747352
25	Niue	2006	0.972596	0.743419
26	Niue	2007	0.95894	0.733977
27	Niue	2008	0.95539	0.73326
28	Niue	2009	0.939876	0.721684
29	Niue	2010	0.926776	0.71016
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Niue	2011	0.91639	0.701185
Niue	2012	0.907389	0.69404
Niue	2013	0.901788	0.689627
Niue	2014	0.895694	0.683761
Niue	2015	0.894766	0.680007
Niue	2016	0.892505	0.676161
Niue	2017	0.893889	0.676244
Niue	2018	0.890768	0.674944
Niue	2019	0.887772	0.673264
North Macedonia	1990	0.680204	0.58975
North Macedonia	1991	0.68378	0.5956
North Macedonia	1992	0.664624	0.571964
North Macedonia	1993	0.644703	0.547151
North Macedonia	1994	0.663149	0.555907
North Macedonia	1995	0.671096	0.552266
North Macedonia	1996	0.695813	0.563928
North Macedonia	1997	0.741597	0.594207
North Macedonia	1998	0.771646	0.617339
North Macedonia	1999	0.777685	0.616422
North Macedonia	2000	0.797954	0.622484
North Macedonia	2001	0.778443	0.606375
North Macedonia	2002	0.749492	0.587121
North Macedonia	2003	0.769429	0.60026
North Macedonia	2004	0.792515	0.614197
North Macedonia	2005	0.783544	0.610202

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5	North Macedonia	2006	0.767706	0.60037
6	North Macedonia	2007	0.791232	0.612007
7	North Macedonia	2008	0.790856	0.612737
8	North Macedonia	2009	0.763725	0.598462
9	North Macedonia	2010	0.778915	0.614822
10	North Macedonia	2011	0.793147	0.637721
11	North Macedonia	2012	0.811289	0.66772
12	North Macedonia	2013	0.780544	0.642134
13	North Macedonia	2014	0.776893	0.636497
14	North Macedonia	2015	0.799244	0.654666
15	North Macedonia	2016	0.786323	0.643621
16	North Macedonia	2017	0.788026	0.643868
17	North Macedonia	2018	0.795756	0.652467
18	North Macedonia	2019	0.797522	0.654678
19	Northern Mariana Islands	1990	0.904061	1.155126
20	Northern Mariana Islands	1991	0.908144	1.156065
21	Northern Mariana Islands	1992	0.940581	1.169589
22	Northern Mariana Islands	1993	0.975433	1.173898
23	Northern Mariana Islands	1994	1.002007	1.17191
24	Northern Mariana Islands	1995	1.003151	1.154852
25	Northern Mariana Islands	1996	0.987202	1.126734
26	Northern Mariana Islands	1997	0.968009	1.097328
27	Northern Mariana Islands	1998	0.947527	1.065921
28	Northern Mariana Islands	1999	0.959593	1.066621
29	Northern Mariana Islands	2000	0.952837	1.060532
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Northern Mariana Islands	2001	0.991994	1.099375
Northern Mariana Islands	2002	0.987834	1.094556
Northern Mariana Islands	2003	0.979144	1.077003
Northern Mariana Islands	2004	0.978766	1.061672
Northern Mariana Islands	2005	0.955494	1.027025
Northern Mariana Islands	2006	0.935982	1.000809
Northern Mariana Islands	2007	0.897664	0.960032
Northern Mariana Islands	2008	0.864887	0.927883
Northern Mariana Islands	2009	0.838403	0.903614
Northern Mariana Islands	2010	0.815518	0.876638
Northern Mariana Islands	2011	0.817938	0.865424
Northern Mariana Islands	2012	0.827228	0.851935
Northern Mariana Islands	2013	0.852758	0.850358
Northern Mariana Islands	2014	0.875267	0.849207
Northern Mariana Islands	2015	0.888178	0.851222
Northern Mariana Islands	2016	0.885488	0.844042
Northern Mariana Islands	2017	0.888524	0.842979
Northern Mariana Islands	2018	0.887991	0.841535
Northern Mariana Islands	2019	0.885281	0.840043
Norway	1990	0.75453	0.444114
Norway	1991	0.76261	0.443497
Norway	1992	0.753197	0.43253
Norway	1993	0.762236	0.431351
Norway	1994	0.781039	0.438624
Norway	1995	0.763202	0.424597

Norway	1996	0.758874	0.419658
Norway	1997	0.75473	0.412952
Norway	1998	0.774382	0.420472
Norway	1999	0.804349	0.433843
Norway	2000	0.825601	0.441517
Norway	2001	0.853106	0.453431
Norway	2002	0.867374	0.459636
Norway	2003	0.880328	0.464835
Norway	2004	0.889531	0.470566
Norway	2005	0.89659	0.476656
Norway	2006	0.922606	0.490047
Norway	2007	0.907665	0.483353
Norway	2008	0.911053	0.485221
Norway	2009	0.928439	0.497259
Norway	2010	0.935386	0.504449
Norway	2011	0.92996	0.505624
Norway	2012	0.945872	0.517948
Norway	2013	0.94377	0.523526
Norway	2014	0.921463	0.517737
Norway	2015	0.916327	0.521282
Norway	2016	0.921739	0.532769
Norway	2017	0.936924	0.549344
Norway	2018	0.918215	0.550188
Norway	2019	0.878137	0.537045
Oman	1990	0.979395	0.855588

Oman	1991	0.973416	0.875397
Oman	1992	0.949128	0.87044
Oman	1993	0.928445	0.864161
Oman	1994	0.918156	0.861888
Oman	1995	0.904759	0.858133
Oman	1996	0.87801	0.851048
Oman	1997	0.854061	0.839597
Oman	1998	0.840761	0.832031
Oman	1999	0.837351	0.831819
Oman	2000	0.834719	0.835971
Oman	2001	0.827618	0.842637
Oman	2002	0.836788	0.865047
Oman	2003	0.845547	0.873422
Oman	2004	0.855899	0.869597
Oman	2005	0.876488	0.894328
Oman	2006	0.881398	0.931667
Oman	2007	0.83088	0.881098
Oman	2008	0.794738	0.829971
Oman	2009	0.813201	0.848894
Oman	2010	0.846076	0.885023
Oman	2011	0.828041	0.880499
Oman	2012	0.795644	0.823064
Oman	2013	0.786745	0.844324
Oman	2014	0.832188	0.90246
Oman	2015	0.831518	0.871769

Oman	2016	0.822027	0.839947
Oman	2017	0.850428	0.847046
Oman	2018	0.903009	0.894798
Oman	2019	0.928841	0.907248
Pakistan	1990	0.769579	0.859356
Pakistan	1991	0.77647	0.861193
Pakistan	1992	0.790828	0.870807
Pakistan	1993	0.795747	0.870075
Pakistan	1994	0.805727	0.87484
Pakistan	1995	0.818759	0.883548
Pakistan	1996	0.825433	0.884969
Pakistan	1997	0.83398	0.887684
Pakistan	1998	0.842863	0.891115
Pakistan	1999	0.855256	0.899086
Pakistan	2000	0.86957	0.91118
Pakistan	2001	0.872852	0.911187
Pakistan	2002	0.871058	0.904883
Pakistan	2003	0.880193	0.910245
Pakistan	2004	0.877101	0.904079
Pakistan	2005	0.872892	0.897924
Pakistan	2006	0.872655	0.894325
Pakistan	2007	0.872149	0.891288
Pakistan	2008	0.875317	0.890402
Pakistan	2009	0.878341	0.890376
Pakistan	2010	0.878473	0.888904

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Pakistan	2011	0.877758	0.884423
Pakistan	2012	0.873696	0.878442
Pakistan	2013	0.883067	0.885333
Pakistan	2014	0.882844	0.883889
Pakistan	2015	0.881913	0.881605
Pakistan	2016	0.881354	0.879779
Pakistan	2017	0.883992	0.881982
Pakistan	2018	0.88619	0.884133
Pakistan	2019	0.889084	0.887167
Palau	1990	0.590726	0.567074
Palau	1991	0.592484	0.570484
Palau	1992	0.597138	0.577494
Palau	1993	0.598439	0.583652
Palau	1994	0.607683	0.594125
Palau	1995	0.602122	0.598155
Palau	1996	0.594922	0.602471
Palau	1997	0.583794	0.605164
Palau	1998	0.569959	0.607432
Palau	1999	0.552715	0.606219
Palau	2000	0.535765	0.600872
Palau	2001	0.527349	0.594391
Palau	2002	0.528002	0.591384
Palau	2003	0.527773	0.584654
Palau	2004	0.551456	0.599923
Palau	2005	0.561114	0.60323

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5	Palau	2006	0.560422	0.591128
6	Palau	2007	0.553735	0.574366
7	Palau	2008	0.548002	0.561176
8	Palau	2009	0.544165	0.552275
9	Palau	2010	0.540527	0.545934
10	Palau	2011	0.537092	0.540225
11	Palau	2012	0.533922	0.535625
12	Palau	2013	0.533608	0.534197
13	Palau	2014	0.531007	0.530978
14	Palau	2015	0.529723	0.529574
15	Palau	2016	0.529932	0.529197
16	Palau	2017	0.533105	0.531537
17	Palau	2018	0.535611	0.532533
18	Palau	2019	0.538439	0.532765
19	Palestine	1990	1.096766	0.844508
20	Palestine	1991	1.091591	0.837304
21	Palestine	1992	1.084402	0.829288
22	Palestine	1993	1.079099	0.822787
23	Palestine	1994	1.078678	0.820767
24	Palestine	1995	1.07913	0.819914
25	Palestine	1996	1.078497	0.818714
26	Palestine	1997	1.046346	0.793599
27	Palestine	1998	1.00854	0.764127
28	Palestine	1999	0.968609	0.734114
29	Palestine	2000	0.941176	0.712675
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Palestine	2001	0.911024	0.687406
Palestine	2002	0.883868	0.663667
Palestine	2003	0.868165	0.64945
Palestine	2004	0.866073	0.644743
Palestine	2005	0.862481	0.641533
Palestine	2006	0.86778	0.645021
Palestine	2007	0.888549	0.660241
Palestine	2008	0.918877	0.687188
Palestine	2009	0.938756	0.70351
Palestine	2010	0.97194	0.724081
Palestine	2011	0.972628	0.724938
Palestine	2012	0.957763	0.721228
Palestine	2013	0.962405	0.732859
Palestine	2014	0.945347	0.721619
Palestine	2015	0.981757	0.74991
Palestine	2016	1.030033	0.788183
Palestine	2017	1.031354	0.790637
Palestine	2018	1.009338	0.781943
Palestine	2019	1.007945	0.795501
Panama	1990	0.684806	0.673883
Panama	1991	0.662354	0.648572
Panama	1992	0.682867	0.663984
Panama	1993	0.622521	0.60272
Panama	1994	0.632837	0.60781
Panama	1995	0.609146	0.578484

Panama	1996	0.649564	0.611483
Panama	1997	0.695155	0.650684
Panama	1998	0.755965	0.707313
Panama	1999	0.726618	0.67976
Panama	2000	0.755907	0.704044
Panama	2001	0.753036	0.698864
Panama	2002	0.744099	0.687659
Panama	2003	0.745748	0.685298
Panama	2004	0.776886	0.713745
Panama	2005	0.74812	0.688865
Panama	2006	0.721141	0.662738
Panama	2007	0.704199	0.645755
Panama	2008	0.673904	0.615725
Panama	2009	0.672603	0.61248
Panama	2010	0.660371	0.597237
Panama	2011	0.680747	0.613704
Panama	2012	0.671265	0.603026
Panama	2013	0.709723	0.637278
Panama	2014	0.703626	0.631
Panama	2015	0.696567	0.623082
Panama	2016	0.695587	0.620452
Panama	2017	0.686796	0.611485
Panama	2018	0.70711	0.629843
Panama	2019	0.702706	0.625932
Papua New Guinea	1990	0.510353	0.520489

Papua New Guinea	1991	0.507586	0.517922
Papua New Guinea	1992	0.507342	0.516734
Papua New Guinea	1993	0.505816	0.514488
Papua New Guinea	1994	0.504687	0.513087
Papua New Guinea	1995	0.503742	0.512226
Papua New Guinea	1996	0.507201	0.51616
Papua New Guinea	1997	0.510876	0.518938
Papua New Guinea	1998	0.51547	0.522528
Papua New Guinea	1999	0.518813	0.525667
Papua New Guinea	2000	0.520481	0.527957
Papua New Guinea	2001	0.520252	0.52839
Papua New Guinea	2002	0.521909	0.529584
Papua New Guinea	2003	0.522595	0.530408
Papua New Guinea	2004	0.523892	0.532711
Papua New Guinea	2005	0.520392	0.530805
Papua New Guinea	2006	0.522667	0.534894
Papua New Guinea	2007	0.521963	0.535709
Papua New Guinea	2008	0.515748	0.531163
Papua New Guinea	2009	0.51058	0.528153
Papua New Guinea	2010	0.50998	0.528219
Papua New Guinea	2011	0.504127	0.522987
Papua New Guinea	2012	0.499902	0.520138
Papua New Guinea	2013	0.494541	0.517163
Papua New Guinea	2014	0.490763	0.51518
Papua New Guinea	2015	0.490012	0.516154

Papua New Guinea	2016	0.488799	0.517054
Papua New Guinea	2017	0.489673	0.518489
Papua New Guinea	2018	0.488274	0.517236
Papua New Guinea	2019	0.487062	0.516906
Paraguay	1990	0.87285	0.733251
Paraguay	1991	0.871421	0.73538
Paraguay	1992	0.861984	0.731253
Paraguay	1993	0.893227	0.763558
Paraguay	1994	0.874891	0.750756
Paraguay	1995	0.891905	0.767908
Paraguay	1996	0.894482	0.771026
Paraguay	1997	0.90991	0.786707
Paraguay	1998	0.891224	0.772082
Paraguay	1999	0.892023	0.776159
Paraguay	2000	0.908794	0.790837
Paraguay	2001	0.900237	0.782912
Paraguay	2002	0.900709	0.784708
Paraguay	2003	0.899833	0.784946
Paraguay	2004	0.905188	0.78769
Paraguay	2005	0.906572	0.78923
Paraguay	2006	0.919604	0.800699
Paraguay	2007	0.895242	0.778963
Paraguay	2008	0.8998	0.782922
Paraguay	2009	0.887053	0.770607
Paraguay	2010	0.889014	0.769331

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5	Paraguay	2011	0.893574	0.772361
6	Paraguay	2012	0.880004	0.758167
7	Paraguay	2013	0.894597	0.76836
8	Paraguay	2014	0.863302	0.743413
9	Paraguay	2015	0.829355	0.715781
10	Paraguay	2016	0.841111	0.72518
11	Paraguay	2017	0.843696	0.726201
12	Paraguay	2018	0.843366	0.725494
13	Paraguay	2019	0.836684	0.71842
14	Peru	1990	0.913601	0.863955
15	Peru	1991	1.00472	0.948777
16	Peru	1992	1.044879	0.98688
17	Peru	1993	1.027759	0.970272
18	Peru	1994	1.115356	1.054376
19	Peru	1995	1.156215	1.097468
20	Peru	1996	1.083906	1.03572
21	Peru	1997	1.079265	1.033944
22	Peru	1998	1.084938	1.038903
23	Peru	1999	1.053269	1.008394
24	Peru	2000	1.05003	1.00284
25	Peru	2001	1.015949	0.966888
26	Peru	2002	1.021084	0.968834
27	Peru	2003	1.050852	0.995309
28	Peru	2004	1.010514	0.953906
29	Peru	2005	1.011217	0.949196
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Peru	2006	0.971567	0.907069
Peru	2007	0.93459	0.868534
Peru	2008	0.964408	0.891577
Peru	2009	1.005513	0.925821
Peru	2010	1.016288	0.931538
Peru	2011	1.030177	0.940505
Peru	2012	1.051711	0.956412
Peru	2013	1.058485	0.95881
Peru	2014	1.067343	0.963477
Peru	2015	1.06634	0.959772
Peru	2016	1.074129	0.96437
Peru	2017	1.089316	0.975806
Peru	2018	1.098656	0.982166
Peru	2019	1.110745	0.990734
Philippines	1990	0.895381	0.902283
Philippines	1991	0.880509	0.883263
Philippines	1992	0.881702	0.876569
Philippines	1993	0.877133	0.864402
Philippines	1994	0.86956	0.85266
Philippines	1995	0.87258	0.852439
Philippines	1996	0.866278	0.838327
Philippines	1997	0.8542	0.812544
Philippines	1998	0.847416	0.798709
Philippines	1999	0.848855	0.801611
Philippines	2000	0.854486	0.804787

Philippines	2001	0.854201	0.80103
Philippines	2002	0.85769	0.80353
Philippines	2003	0.847201	0.792661
Philippines	2004	0.843162	0.788747
Philippines	2005	0.841734	0.787366
Philippines	2006	0.834808	0.780353
Philippines	2007	0.832589	0.775666
Philippines	2008	0.838592	0.777601
Philippines	2009	0.835108	0.770345
Philippines	2010	0.829964	0.764372
Philippines	2011	0.827424	0.758476
Philippines	2012	0.838945	0.763847
Philippines	2013	0.85046	0.770959
Philippines	2014	0.840941	0.760785
Philippines	2015	0.845221	0.761678
Philippines	2016	0.843903	0.758905
Philippines	2017	0.852911	0.768268
Philippines	2018	0.858187	0.773633
Philippines	2019	0.859915	0.775107
Poland	1990	0.917881	0.594086
Poland	1991	0.90409	0.580834
Poland	1992	0.919908	0.58486
Poland	1993	0.946987	0.594748
Poland	1994	0.960281	0.600366
Poland	1995	0.958064	0.595011

Poland	1996	0.985587	0.604305
Poland	1997	0.999282	0.608044
Poland	1998	1.016292	0.611599
Poland	1999	1.025894	0.611673
Poland	2000	1.053107	0.615915
Poland	2001	1.045756	0.604648
Poland	2002	1.042927	0.59748
Poland	2003	1.038911	0.591794
Poland	2004	1.041969	0.592438
Poland	2005	1.070954	0.608519
Poland	2006	1.101807	0.627874
Poland	2007	1.126684	0.643817
Poland	2008	1.09441	0.626611
Poland	2009	1.086273	0.622186
Poland	2010	1.050341	0.600421
Poland	2011	1.022768	0.5837
Poland	2012	1.045657	0.594587
Poland	2013	1.06034	0.600538
Poland	2014	1.095376	0.617875
Poland	2015	1.090725	0.612589
Poland	2016	1.085856	0.609823
Poland	2017	1.063426	0.59996
Poland	2018	1.053713	0.59652
Poland	2019	1.043147	0.59288
Portugal	1990	0.884262	0.543926



Portugal	1991	0.890398	0.549614
Portugal	1992	0.887748	0.548645
Portugal	1993	0.905257	0.559067
Portugal	1994	0.934888	0.578709
Portugal	1995	0.954761	0.593079
Portugal	1996	0.955694	0.595236
Portugal	1997	0.983491	0.612126
Portugal	1998	0.9847	0.611874
Portugal	1999	0.994401	0.611865
Portugal	2000	1.014619	0.622443
Portugal	2001	1.023922	0.627747
Portugal	2002	1.046333	0.641815
Portugal	2003	1.071809	0.658259
Portugal	2004	1.082705	0.665587
Portugal	2005	1.100718	0.675084
Portugal	2006	1.117627	0.682107
Portugal	2007	1.12877	0.685484
Portugal	2008	1.135725	0.684655
Portugal	2009	1.158093	0.693652
Portugal	2010	1.181695	0.701173
Portugal	2011	1.212089	0.712886
Portugal	2012	1.214154	0.709169
Portugal	2013	1.223854	0.710161
Portugal	2014	1.23894	0.71278
Portugal	2015	1.253346	0.718468

Portugal	2016	1.250497	0.714503
Portugal	2017	1.242519	0.710662
Portugal	2018	1.247566	0.715337
Portugal	2019	1.242236	0.713636
Puerto Rico	1990	0.80275	0.669891
Puerto Rico	1991	0.809018	0.669491
Puerto Rico	1992	0.805713	0.661874
Puerto Rico	1993	0.80907	0.659305
Puerto Rico	1994	0.823879	0.665447
Puerto Rico	1995	0.795614	0.637683
Puerto Rico	1996	0.821616	0.653485
Puerto Rico	1997	0.806042	0.636572
Puerto Rico	1998	0.783507	0.61465
Puerto Rico	1999	0.830368	0.646628
Puerto Rico	2000	0.847044	0.655127
Puerto Rico	2001	0.813541	0.623902
Puerto Rico	2002	0.837027	0.636125
Puerto Rico	2003	0.849227	0.641471
Puerto Rico	2004	0.851207	0.638502
Puerto Rico	2005	0.819532	0.609731
Puerto Rico	2006	0.828059	0.610677
Puerto Rico	2007	0.851411	0.623053
Puerto Rico	2008	0.870717	0.634801
Puerto Rico	2009	0.835635	0.606872
Puerto Rico	2010	0.873679	0.632793

Puerto Rico	2011	0.865857	0.627258
Puerto Rico	2012	0.864947	0.620861
Puerto Rico	2013	0.87645	0.628923
Puerto Rico	2014	0.887603	0.635695
Puerto Rico	2015	0.868531	0.617416
Puerto Rico	2016	0.888741	0.631972
Puerto Rico	2017	0.888622	0.629582
Puerto Rico	2018	0.911225	0.642743
Puerto Rico	2019	0.924823	0.650285
Qatar	1990	0.952955	1.265583
Qatar	1991	0.901362	1.196006
Qatar	1992	0.878474	1.194201
Qatar	1993	0.898298	1.317721
Qatar	1994	0.910554	1.544928
Qatar	1995	0.875373	1.597969
Qatar	1996	0.813587	1.370316
Qatar	1997	0.763374	1.260175
Qatar	1998	0.741687	1.250523
Qatar	1999	0.752939	1.33758
Qatar	2000	0.763105	1.470088
Qatar	2001	0.776966	1.566502
Qatar	2002	0.775655	1.635752
Qatar	2003	0.76026	1.672719
Qatar	2004	0.769387	1.81363
Qatar	2005	0.780175	1.889947

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5	Qatar	2006	0.75546	1.899169
6	Qatar	2007	0.740074	1.926302
7	Qatar	2008	0.708016	1.953539
8	Qatar	2009	0.686412	2.077397
9	Qatar	2010	0.675395	2.109451
10	Qatar	2011	0.652704	2.009032
11	Qatar	2012	0.635437	1.934902
12	Qatar	2013	0.645644	1.98802
13	Qatar	2014	0.649426	1.950938
14	Qatar	2015	0.59925	1.734004
15	Qatar	2016	0.609361	1.770803
16	Qatar	2017	0.624812	1.811416
17	Qatar	2018	0.631227	1.877501
18	Qatar	2019	0.623123	1.904559
19	Republic of Korea	1990	0.857258	0.549206
20	Republic of Korea	1991	0.875952	0.551973
21	Republic of Korea	1992	0.905363	0.563273
22	Republic of Korea	1993	0.922645	0.569835
23	Republic of Korea	1994	0.927687	0.567936
24	Republic of Korea	1995	0.968644	0.600595
25	Republic of Korea	1996	0.983011	0.618658
26	Republic of Korea	1997	1.005261	0.628044
27	Republic of Korea	1998	1.022196	0.634332
28	Republic of Korea	1999	1.047436	0.6421
29	Republic of Korea	2000	1.072308	0.652147
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Republic of Korea	2001	1.084258	0.656648
Republic of Korea	2002	1.098332	0.660852
Republic of Korea	2003	1.097612	0.658917
Republic of Korea	2004	1.07524	0.647505
Republic of Korea	2005	1.071843	0.64214
Republic of Korea	2006	1.053906	0.631558
Republic of Korea	2007	1.044885	0.623151
Republic of Korea	2008	1.029952	0.613718
Republic of Korea	2009	1.024996	0.609758
Republic of Korea	2010	1.018097	0.600666
Republic of Korea	2011	1.014423	0.595254
Republic of Korea	2012	1.014457	0.594651
Republic of Korea	2013	1.016761	0.598625
Republic of Korea	2014	1.009222	0.597557
Republic of Korea	2015	1.013167	0.598706
Republic of Korea	2016	1.015444	0.601958
Republic of Korea	2017	1.00616	0.602647
Republic of Korea	2018	1.025879	0.621714
Republic of Korea	2019	1.022686	0.625971
Republic of Moldova	1990	0.848599	0.515396
Republic of Moldova	1991	0.818752	0.511245
Republic of Moldova	1992	0.812354	0.508411
Republic of Moldova	1993	0.824758	0.520016
Republic of Moldova	1994	0.758844	0.496269
Republic of Moldova	1995	0.723716	0.482553

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5	Republic of Moldova	1996	0.715793	0.47752
6	Republic of Moldova	1997	0.74865	0.492646
7	Republic of Moldova	1998	0.729586	0.478633
8	Republic of Moldova	1999	0.75475	0.494013
9	Republic of Moldova	2000	0.786413	0.514092
10	Republic of Moldova	2001	0.805144	0.526969
11	Republic of Moldova	2002	0.881436	0.580425
12	Republic of Moldova	2003	0.920664	0.606418
13	Republic of Moldova	2004	0.883634	0.573869
14	Republic of Moldova	2005	0.825192	0.541935
15	Republic of Moldova	2006	0.878413	0.571388
16	Republic of Moldova	2007	0.941002	0.612718
17	Republic of Moldova	2008	0.957584	0.626718
18	Republic of Moldova	2009	0.965352	0.637306
19	Republic of Moldova	2010	0.955516	0.637033
20	Republic of Moldova	2011	0.986443	0.647917
21	Republic of Moldova	2012	1.008266	0.659343
22	Republic of Moldova	2013	1.062256	0.694627
23	Republic of Moldova	2014	1.059157	0.69576
24	Republic of Moldova	2015	1.00229	0.644196
25	Republic of Moldova	2016	1.059686	0.666742
26	Republic of Moldova	2017	1.114566	0.69188
27	Republic of Moldova	2018	1.082026	0.672992
28	Republic of Moldova	2019	1.044547	0.651103
29	Romania	1990	1.079553	0.866268
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Romania	1991	1.086222	0.862351
Romania	1992	1.046153	0.826138
Romania	1993	1.029617	0.80953
Romania	1994	1.012606	0.792177
Romania	1995	1.000688	0.777709
Romania	1996	0.983609	0.758064
Romania	1997	0.959848	0.733464
Romania	1998	0.981335	0.736681
Romania	1999	0.997782	0.738726
Romania	2000	0.994107	0.73164
Romania	2001	0.956077	0.70287
Romania	2002	0.951443	0.694438
Romania	2003	0.945295	0.685769
Romania	2004	0.936806	0.672382
Romania	2005	0.962369	0.686111
Romania	2006	0.981261	0.695823
Romania	2007	1.005379	0.708652
Romania	2008	0.989066	0.694823
Romania	2009	0.998743	0.697203
Romania	2010	0.99074	0.686144
Romania	2011	1.001066	0.685511
Romania	2012	0.997056	0.677662
Romania	2013	1.01578	0.685032
Romania	2014	1.005041	0.674832
Romania	2015	1.007222	0.673017

Romania	2016	1.00319	0.668504
Romania	2017	1.008839	0.671674
Romania	2018	1.002935	0.667179
Romania	2019	1.007882	0.667713
Russian Federation	1990	1.237604	0.690445
Russian Federation	1991	1.240021	0.696266
Russian Federation	1992	1.175419	0.674369
Russian Federation	1993	1.095619	0.649003
Russian Federation	1994	1.066959	0.643526
Russian Federation	1995	1.088154	0.651418
Russian Federation	1996	1.13313	0.665031
Russian Federation	1997	1.192142	0.685413
Russian Federation	1998	1.203965	0.68899
Russian Federation	1999	1.163027	0.676473
Russian Federation	2000	1.12748	0.660553
Russian Federation	2001	1.143098	0.666437
Russian Federation	2002	1.151992	0.668583
Russian Federation	2003	1.154748	0.670397
Russian Federation	2004	1.162412	0.672801
Russian Federation	2005	1.157706	0.672401
Russian Federation	2006	1.19925	0.68176
Russian Federation	2007	1.232211	0.690174
Russian Federation	2008	1.223246	0.681691
Russian Federation	2009	1.255663	0.690114
Russian Federation	2010	1.250566	0.683559



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5	Russian Federation	2011	1.286702	0.694845
6	Russian Federation	2012	1.295215	0.692835
7	Russian Federation	2013	1.305034	0.693218
8	Russian Federation	2014	1.302006	0.689733
9	Russian Federation	2015	1.334409	0.703311
10	Russian Federation	2016	1.344511	0.707135
11	Russian Federation	2017	1.394103	0.731382
12	Russian Federation	2018	1.394549	0.735282
13	Russian Federation	2019	1.381232	0.732034
14	Russian Federation	2019	1.381232	0.732034
15	Russian Federation	2019	1.381232	0.732034
16	Russian Federation	2019	1.381232	0.732034
17	Rwanda	1990	0.824395	0.650032
18	Rwanda	1991	0.81081	0.639775
19	Rwanda	1992	0.782385	0.617991
20	Rwanda	1993	0.760105	0.601291
21	Rwanda	1994	0.756358	0.581929
22	Rwanda	1995	0.759429	0.566516
23	Rwanda	1996	0.759521	0.566825
24	Rwanda	1997	0.765052	0.5693
25	Rwanda	1998	0.787475	0.580555
26	Rwanda	1999	0.816803	0.597427
27	Rwanda	2000	0.829663	0.603649
28	Rwanda	2001	0.843068	0.611413
29	Rwanda	2002	0.852925	0.615855
30	Rwanda	2003	0.865838	0.623707
31	Rwanda	2004	0.873066	0.62669
32	Rwanda	2005	0.876651	0.629256
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Rwanda	2006	0.874617	0.628897
Rwanda	2007	0.878535	0.630917
Rwanda	2008	0.887536	0.635571
Rwanda	2009	0.895936	0.641741
Rwanda	2010	0.908779	0.649458
Rwanda	2011	0.918745	0.656101
Rwanda	2012	0.926945	0.661974
Rwanda	2013	0.939974	0.672839
Rwanda	2014	0.956287	0.683731
Rwanda	2015	0.969773	0.693098
Rwanda	2016	0.978654	0.701247
Rwanda	2017	0.990168	0.711922
Rwanda	2018	0.998336	0.721102
Rwanda	2019	1.006308	0.729699
Saint Kitts and Nevis	1990	0.977618	0.720692
Saint Kitts and Nevis	1991	0.777526	0.583399
Saint Kitts and Nevis	1992	0.785881	0.582392
Saint Kitts and Nevis	1993	0.805116	0.592521
Saint Kitts and Nevis	1994	0.839028	0.608603
Saint Kitts and Nevis	1995	0.876303	0.63063
Saint Kitts and Nevis	1996	0.864655	0.621258
Saint Kitts and Nevis	1997	0.863032	0.618292
Saint Kitts and Nevis	1998	0.870163	0.623277
Saint Kitts and Nevis	1999	0.883872	0.634954
Saint Kitts and Nevis	2000	0.915314	0.659458

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5	Saint Kitts and Nevis	2001	0.928859	0.671865
6	Saint Kitts and Nevis	2002	0.937404	0.681404
7	Saint Kitts and Nevis	2003	0.933207	0.684634
8	Saint Kitts and Nevis	2004	0.939514	0.703626
9	Saint Kitts and Nevis	2005	0.924993	0.701387
10	Saint Kitts and Nevis	2006	0.919201	0.70406
11	Saint Kitts and Nevis	2007	0.915181	0.707981
12	Saint Kitts and Nevis	2008	0.952305	0.723867
13	Saint Kitts and Nevis	2009	0.968373	0.732117
14	Saint Kitts and Nevis	2010	0.954543	0.723024
15	Saint Kitts and Nevis	2011	0.948111	0.715818
16	Saint Kitts and Nevis	2012	0.924673	0.698322
17	Saint Kitts and Nevis	2013	0.918237	0.695838
18	Saint Kitts and Nevis	2014	0.906135	0.692654
19	Saint Kitts and Nevis	2015	0.881642	0.680331
20	Saint Kitts and Nevis	2016	0.867707	0.674668
21	Saint Kitts and Nevis	2017	0.850948	0.666632
22	Saint Kitts and Nevis	2018	0.831812	0.66427
23	Saint Kitts and Nevis	2019	0.750426	0.666059
24	Saint Lucia	1990	0.820367	0.585517
25	Saint Lucia	1991	0.834488	0.602001
26	Saint Lucia	1992	0.850757	0.616906
27	Saint Lucia	1993	0.849089	0.617068
28	Saint Lucia	1994	0.839079	0.615244
29	Saint Lucia	1995	0.835752	0.620428
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5	Saint Lucia	1996	0.802615	0.604438
6	Saint Lucia	1997	0.774274	0.589376
7	Saint Lucia	1998	0.782389	0.602523
8	Saint Lucia	1999	0.790826	0.617421
9	Saint Lucia	2000	0.790218	0.620439
10	Saint Lucia	2001	0.777224	0.604588
11	Saint Lucia	2002	0.758923	0.587237
12	Saint Lucia	2003	0.760145	0.586709
13	Saint Lucia	2004	0.775105	0.596586
14	Saint Lucia	2005	0.798511	0.615856
15	Saint Lucia	2006	0.810371	0.630761
16	Saint Lucia	2007	0.751768	0.58511
17	Saint Lucia	2008	0.741994	0.577525
18	Saint Lucia	2009	0.750507	0.586573
19	Saint Lucia	2010	0.760554	0.601201
20	Saint Lucia	2011	0.809689	0.64893
21	Saint Lucia	2012	0.822286	0.664903
22	Saint Lucia	2013	0.799342	0.645977
23	Saint Lucia	2014	0.801771	0.650044
24	Saint Lucia	2015	0.793431	0.646977
25	Saint Lucia	2016	0.788999	0.642229
26	Saint Lucia	2017	0.784017	0.638882
27	Saint Lucia	2018	0.780336	0.636198
28	Saint Lucia	2019	0.778887	0.635259
29	Saint Vincent and the Grenadines	1990	1.055811	0.779191
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5	Saint Vincent and the Grenadines	1991	1.060365	0.797731
6	Saint Vincent and the Grenadines	1992	1.059923	0.810912
7	Saint Vincent and the Grenadines	1993	1.059589	0.821744
8	Saint Vincent and the Grenadines	1994	1.069537	0.844344
9	Saint Vincent and the Grenadines	1995	0.990095	0.786788
10	Saint Vincent and the Grenadines	1996	0.92571	0.739108
11	Saint Vincent and the Grenadines	1997	0.894478	0.717007
12	Saint Vincent and the Grenadines	1998	0.881609	0.708572
13	Saint Vincent and the Grenadines	1999	0.895191	0.717596
14	Saint Vincent and the Grenadines	2000	0.906901	0.727819
15	Saint Vincent and the Grenadines	2001	0.941204	0.766283
16	Saint Vincent and the Grenadines	2002	0.931621	0.760813
17	Saint Vincent and the Grenadines	2003	0.921101	0.754886
18	Saint Vincent and the Grenadines	2004	0.923713	0.758606
19	Saint Vincent and the Grenadines	2005	0.929897	0.771784
20	Saint Vincent and the Grenadines	2006	0.913858	0.763832
21	Saint Vincent and the Grenadines	2007	0.919976	0.775243
22	Saint Vincent and the Grenadines	2008	0.938457	0.802308
23	Saint Vincent and the Grenadines	2009	0.962495	0.834135
24	Saint Vincent and the Grenadines	2010	0.971071	0.849322
25	Saint Vincent and the Grenadines	2011	0.979049	0.865898
26	Saint Vincent and the Grenadines	2012	0.956986	0.863578
27	Saint Vincent and the Grenadines	2013	0.933168	0.860723
28	Saint Vincent and the Grenadines	2014	0.921409	0.863582
29	Saint Vincent and the Grenadines	2015	0.907507	0.86158
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5	Saint Vincent and the Grenadines	2016	0.873985	0.842537
6	Saint Vincent and the Grenadines	2017	0.859361	0.837012
7	Saint Vincent and the Grenadines	2018	0.845672	0.830576
8	Saint Vincent and the Grenadines	2019	0.833823	0.82454
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10	Samoa	1990	0.980132	0.843734
11	Samoa	1991	1.000796	0.860756
12	Samoa	1992	1.023771	0.880098
13	Samoa	1993	1.031447	0.887633
14	Samoa	1994	1.049276	0.904544
15	Samoa	1995	1.068083	0.922056
16	Samoa	1996	1.09226	0.944345
17	Samoa	1997	1.116858	0.967899
18	Samoa	1998	1.143322	0.993029
19	Samoa	1999	1.164018	1.012467
20	Samoa	2000	1.177392	1.024988
21	Samoa	2001	1.172274	1.021756
22	Samoa	2002	1.173842	1.024537
23	Samoa	2003	1.149307	1.003549
24	Samoa	2004	1.138468	0.993735
25	Samoa	2005	1.108915	0.967133
26	Samoa	2006	1.073711	0.93589
27	Samoa	2007	1.042902	0.907576
28	Samoa	2008	1.016908	0.884179
29	Samoa	2009	0.997005	0.866721
30	Samoa	2010	0.976604	0.849334
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Samoa	2011	0.979265	0.852803
Samoa	2012	0.968264	0.845265
Samoa	2013	0.953319	0.834396
Samoa	2014	0.945781	0.83022
Samoa	2015	0.951454	0.837853
Samoa	2016	0.955475	0.844459
Samoa	2017	0.95904	0.851083
Samoa	2018	0.959346	0.855019
Samoa	2019	0.959927	0.859111
San Marino	1990	1.040527	0.662137
San Marino	1991	1.034054	0.656258
San Marino	1992	1.028794	0.650989
San Marino	1993	1.017848	0.641779
San Marino	1994	1.014914	0.637147
San Marino	1995	1.022855	0.638643
San Marino	1996	1.013723	0.629773
San Marino	1997	1.0178	0.629635
San Marino	1998	1.035194	0.637541
San Marino	1999	1.043112	0.639273
San Marino	2000	1.061203	0.647772
San Marino	2001	1.10068	0.670472
San Marino	2002	1.14621	0.698311
San Marino	2003	1.202461	0.735765
San Marino	2004	1.23389	0.760178
San Marino	2005	1.268334	0.786763

San Marino	2006	1.273335	0.794871
San Marino	2007	1.275614	0.800868
San Marino	2008	1.277743	0.806368
San Marino	2009	1.28295	0.813942
San Marino	2010	1.285141	0.819464
San Marino	2011	1.287608	0.82488
San Marino	2012	1.291652	0.831402
San Marino	2013	1.289952	0.834102
San Marino	2014	1.286467	0.835325
San Marino	2015	1.283363	0.83659
San Marino	2016	1.277029	0.835106
San Marino	2017	1.264401	0.829351
San Marino	2018	1.251972	0.823236
San Marino	2019	1.24039	0.817325
Sao Tome and Principe	1990	1.091374	0.933524
Sao Tome and Principe	1991	1.113804	0.953047
Sao Tome and Principe	1992	1.139972	0.980625
Sao Tome and Principe	1993	1.215059	1.081878
Sao Tome and Principe	1994	1.239155	1.109895
Sao Tome and Principe	1995	1.238259	1.114617
Sao Tome and Principe	1996	1.244594	1.125181
Sao Tome and Principe	1997	1.254845	1.138117
Sao Tome and Principe	1998	1.258592	1.1408
Sao Tome and Principe	1999	1.273254	1.152136
Sao Tome and Principe	2000	1.308013	1.172362



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5	Sao Tome and Principe	2001	1.29916	1.159733
6	Sao Tome and Principe	2002	1.282631	1.149629
7	Sao Tome and Principe	2003	1.269253	1.131711
8	Sao Tome and Principe	2004	1.255308	1.12558
9	Sao Tome and Principe	2005	1.212922	1.088347
10	Sao Tome and Principe	2006	1.221649	1.093759
11	Sao Tome and Principe	2007	1.246116	1.111153
12	Sao Tome and Principe	2008	1.226771	1.095035
13	Sao Tome and Principe	2009	1.23417	1.099047
14	Sao Tome and Principe	2010	1.258555	1.117148
15	Sao Tome and Principe	2011	1.232555	1.096997
16	Sao Tome and Principe	2012	1.205056	1.075871
17	Sao Tome and Principe	2013	1.198096	1.069787
18	Sao Tome and Principe	2014	1.213287	1.080153
19	Sao Tome and Principe	2015	1.213986	1.080881
20	Sao Tome and Principe	2016	1.216079	1.082527
21	Sao Tome and Principe	2017	1.219651	1.086355
22	Sao Tome and Principe	2018	1.220924	1.08889
23	Sao Tome and Principe	2019	1.219127	1.08909
24	Saudi Arabia	1990	0.695398	0.829786
25	Saudi Arabia	1991	0.712169	0.854348
26	Saudi Arabia	1992	0.719496	0.867184
27	Saudi Arabia	1993	0.727002	0.878748
28	Saudi Arabia	1994	0.742709	0.898777
29	Saudi Arabia	1995	0.761874	0.922789
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5	Saudi Arabia	1996	0.784305	0.947356
6	Saudi Arabia	1997	0.804263	0.967726
7	Saudi Arabia	1998	0.810679	0.973063
8	Saudi Arabia	1999	0.816395	0.976741
9	Saudi Arabia	2000	0.820477	0.983554
10	Saudi Arabia	2001	0.821211	0.976888
11	Saudi Arabia	2002	0.827178	0.977433
12	Saudi Arabia	2003	0.822493	0.962185
13	Saudi Arabia	2004	0.821679	0.95553
14	Saudi Arabia	2005	0.815244	0.948694
15	Saudi Arabia	2006	0.810154	0.94029
16	Saudi Arabia	2007	0.800765	0.931723
17	Saudi Arabia	2008	0.786844	0.922069
18	Saudi Arabia	2009	0.772323	0.91303
19	Saudi Arabia	2010	0.76119	0.911913
20	Saudi Arabia	2011	0.745556	0.899816
21	Saudi Arabia	2012	0.73911	0.89891
22	Saudi Arabia	2013	0.736146	0.907402
23	Saudi Arabia	2014	0.739157	0.923105
24	Saudi Arabia	2015	0.740954	0.940363
25	Saudi Arabia	2016	0.745207	0.95483
26	Saudi Arabia	2017	0.752481	0.975445
27	Saudi Arabia	2018	0.758989	0.995576
28	Saudi Arabia	2019	0.763422	1.013679
29	Senegal	1990	0.884747	0.858724
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Senegal	1991	0.891844	0.862058
Senegal	1992	0.896679	0.863392
Senegal	1993	0.898105	0.862398
Senegal	1994	0.899111	0.862183
Senegal	1995	0.899343	0.859763
Senegal	1996	0.898532	0.857803
Senegal	1997	0.886586	0.844268
Senegal	1998	0.88376	0.840365
Senegal	1999	0.881527	0.836596
Senegal	2000	0.879275	0.831594
Senegal	2001	0.872506	0.825969
Senegal	2002	0.870204	0.822799
Senegal	2003	0.873973	0.821234
Senegal	2004	0.850079	0.798413
Senegal	2005	0.827835	0.77646
Senegal	2006	0.808141	0.756535
Senegal	2007	0.794045	0.741842
Senegal	2008	0.77887	0.72756
Senegal	2009	0.767907	0.716548
Senegal	2010	0.767865	0.711673
Senegal	2011	0.767131	0.709302
Senegal	2012	0.765409	0.707099
Senegal	2013	0.761534	0.704161
Senegal	2014	0.764675	0.707866
Senegal	2015	0.770795	0.712137

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5	Senegal	2016	0.779506	0.720298
6	Senegal	2017	0.787654	0.727948
7	Senegal	2018	0.79524	0.735888
8	Senegal	2019	0.802915	0.743064
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10	Serbia	1990	0.73799	0.603061
11	Serbia	1991	0.751915	0.61215
12	Serbia	1992	0.745895	0.598418
13	Serbia	1993	0.766901	0.611856
14	Serbia	1994	0.781888	0.620647
15	Serbia	1995	0.792746	0.626364
16	Serbia	1996	0.802507	0.635855
17	Serbia	1997	0.815138	0.652642
18	Serbia	1998	0.778837	0.621888
19	Serbia	1999	0.794648	0.623776
20	Serbia	2000	0.769534	0.605957
21	Serbia	2001	0.77247	0.605364
22	Serbia	2002	0.734907	0.574323
23	Serbia	2003	0.746359	0.581392
24	Serbia	2004	0.746084	0.578442
25	Serbia	2005	0.760475	0.588941
26	Serbia	2006	0.76393	0.589334
27	Serbia	2007	0.77937	0.595466
28	Serbia	2008	0.801348	0.61088
29	Serbia	2009	0.83196	0.636222
30	Serbia	2010	0.852949	0.653777
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Serbia	2011	0.863156	0.660403
Serbia	2012	0.88227	0.670731
Serbia	2013	0.853039	0.639376
Serbia	2014	0.87394	0.650601
Serbia	2015	0.899328	0.670437
Serbia	2016	0.926887	0.690613
Serbia	2017	0.925711	0.690169
Serbia	2018	0.933605	0.693648
Serbia	2019	0.933707	0.696426
Seychelles	1990	1.017107	0.702428
Seychelles	1991	1.020898	0.697742
Seychelles	1992	1.022397	0.693457
Seychelles	1993	1.02782	0.692034
Seychelles	1994	1.017442	0.68456
Seychelles	1995	1.016606	0.679526
Seychelles	1996	1.045304	0.695115
Seychelles	1997	1.092161	0.725276
Seychelles	1998	1.128929	0.75104
Seychelles	1999	1.142566	0.765246
Seychelles	2000	1.186127	0.802943
Seychelles	2001	1.202158	0.822396
Seychelles	2002	1.188011	0.82041
Seychelles	2003	1.171268	0.813173
Seychelles	2004	1.209464	0.842131
Seychelles	2005	1.169282	0.805472

Seychelles	2006	1.185979	0.818787
Seychelles	2007	1.214313	0.845111
Seychelles	2008	1.2311	0.859386
Seychelles	2009	1.197098	0.834808
Seychelles	2010	1.212228	0.867157
Seychelles	2011	1.228304	0.902733
Seychelles	2012	1.192854	0.880645
Seychelles	2013	1.216633	0.907188
Seychelles	2014	1.212517	0.925165
Seychelles	2015	1.169363	0.915602
Seychelles	2016	1.134994	0.909444
Seychelles	2017	1.109851	0.89732
Seychelles	2018	1.097048	0.897572
Seychelles	2019	1.082504	0.898742
Sierra Leone	1990	0.787919	0.795377
Sierra Leone	1991	0.790962	0.792612
Sierra Leone	1992	0.792598	0.791321
Sierra Leone	1993	0.792881	0.789444
Sierra Leone	1994	0.810527	0.795239
Sierra Leone	1995	0.815354	0.795979
Sierra Leone	1996	0.830066	0.804332
Sierra Leone	1997	0.84446	0.812131
Sierra Leone	1998	0.851017	0.812806
Sierra Leone	1999	0.863143	0.810965
Sierra Leone	2000	0.867725	0.81152

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Sierra Leone	2001	0.870057	0.807892
Sierra Leone	2002	0.88269	0.814524
Sierra Leone	2003	0.887295	0.814107
Sierra Leone	2004	0.904772	0.819484
Sierra Leone	2005	0.902009	0.816075
Sierra Leone	2006	0.904874	0.816248
Sierra Leone	2007	0.908455	0.817708
Sierra Leone	2008	0.9111	0.81823
Sierra Leone	2009	0.916357	0.819564
Sierra Leone	2010	0.905713	0.815749
Sierra Leone	2011	0.90687	0.815569
Sierra Leone	2012	0.900591	0.815611
Sierra Leone	2013	0.898045	0.816791
Sierra Leone	2014	0.901668	0.824467
Sierra Leone	2015	0.894141	0.823506
Sierra Leone	2016	0.895925	0.830446
Sierra Leone	2017	0.895543	0.833929
Sierra Leone	2018	0.89368	0.835265
Sierra Leone	2019	0.891018	0.836793
Singapore	1990	1.163438	0.899451
Singapore	1991	1.129393	0.881363
Singapore	1992	1.153563	0.921822
Singapore	1993	1.116385	0.896281
Singapore	1994	1.076889	0.845189
Singapore	1995	1.050864	0.825318

Singapore	1996	1.071672	0.841391
Singapore	1997	1.106303	0.867415
Singapore	1998	1.083205	0.853333
Singapore	1999	1.096735	0.864456
Singapore	2000	1.107024	0.8751
Singapore	2001	1.12114	0.885171
Singapore	2002	1.135497	0.893845
Singapore	2003	1.181337	0.921314
Singapore	2004	1.240904	0.956691
Singapore	2005	1.124899	0.861722
Singapore	2006	1.140442	0.868721
Singapore	2007	1.129855	0.864193
Singapore	2008	1.16467	0.901644
Singapore	2009	1.191044	0.920265
Singapore	2010	1.184357	0.90915
Singapore	2011	1.179199	0.910006
Singapore	2012	1.200217	0.933094
Singapore	2013	1.208179	0.949316
Singapore	2014	1.211514	0.953871
Singapore	2015	1.211928	0.960929
Singapore	2016	1.199671	0.951955
Singapore	2017	1.233326	0.968313
Singapore	2018	1.219639	0.959599
Singapore	2019	1.250283	0.991418
Slovakia	1990	0.944649	0.647308



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Slovakia	1991	0.976455	0.663918
Slovakia	1992	0.955654	0.644376
Slovakia	1993	0.995726	0.665691
Slovakia	1994	1.009351	0.670677
Slovakia	1995	1.017436	0.674329
Slovakia	1996	1.009444	0.668133
Slovakia	1997	1.04119	0.687493
Slovakia	1998	0.992929	0.652283
Slovakia	1999	1.009819	0.657257
Slovakia	2000	0.975233	0.628247
Slovakia	2001	1.011914	0.645803
Slovakia	2002	0.985897	0.625087
Slovakia	2003	1.008043	0.633926
Slovakia	2004	1.051345	0.654676
Slovakia	2005	1.036508	0.64108
Slovakia	2006	1.062665	0.651686
Slovakia	2007	1.109865	0.678383
Slovakia	2008	1.093175	0.663884
Slovakia	2009	1.159077	0.696465
Slovakia	2010	1.148256	0.682306
Slovakia	2011	1.191118	0.703254
Slovakia	2012	1.21351	0.711767
Slovakia	2013	1.232331	0.720047
Slovakia	2014	1.222608	0.714766
Slovakia	2015	1.233158	0.725429

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5	Slovakia	2016	1.258443	0.742765
6	Slovakia	2017	1.250698	0.743898
7	Slovakia	2018	1.27032	0.760949
8	Slovakia	2019	1.267158	0.765874
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10	Slovenia	1990	1.394688	0.780119
11	Slovenia	1991	1.410467	0.783523
12	Slovenia	1992	1.400783	0.768944
13	Slovenia	1993	1.378885	0.753192
14	Slovenia	1994	1.367196	0.740969
15	Slovenia	1995	1.317961	0.708775
16	Slovenia	1996	1.350995	0.720329
17	Slovenia	1997	1.295705	0.687694
18	Slovenia	1998	1.251271	0.658323
19	Slovenia	1999	1.262306	0.65755
20	Slovenia	2000	1.298258	0.663913
21	Slovenia	2001	1.266181	0.640215
22	Slovenia	2002	1.25989	0.622485
23	Slovenia	2003	1.165627	0.569175
24	Slovenia	2004	1.286114	0.622716
25	Slovenia	2005	1.400384	0.668478
26	Slovenia	2006	1.322378	0.627958
27	Slovenia	2007	1.411386	0.663917
28	Slovenia	2008	1.384634	0.647061
29	Slovenia	2009	1.44464	0.669581
30	Slovenia	2010	1.445478	0.668507
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Slovenia	2011	1.438805	0.663727
Slovenia	2012	1.439959	0.665578
Slovenia	2013	1.378243	0.641181
Slovenia	2014	1.367799	0.636246
Slovenia	2015	1.284322	0.602005
Slovenia	2016	1.278014	0.603165
Slovenia	2017	1.264785	0.601053
Slovenia	2018	1.263189	0.607731
Slovenia	2019	1.258858	0.612691
Solomon Islands	1990	1.037928	1.144353
Solomon Islands	1991	1.044417	1.148198
Solomon Islands	1992	1.056013	1.156976
Solomon Islands	1993	1.066592	1.164159
Solomon Islands	1994	1.081983	1.175924
Solomon Islands	1995	1.097222	1.188241
Solomon Islands	1996	1.117544	1.206361
Solomon Islands	1997	1.138033	1.223701
Solomon Islands	1998	1.159552	1.241819
Solomon Islands	1999	1.178626	1.257071
Solomon Islands	2000	1.186507	1.258405
Solomon Islands	2001	1.182493	1.246874
Solomon Islands	2002	1.179042	1.236279
Solomon Islands	2003	1.182097	1.232562
Solomon Islands	2004	1.190252	1.233961
Solomon Islands	2005	1.191227	1.229107

Solomon Islands	2006	1.175755	1.207357
Solomon Islands	2007	1.14858	1.174414
Solomon Islands	2008	1.102099	1.123378
Solomon Islands	2009	1.094535	1.111581
Solomon Islands	2010	1.074319	1.088844
Solomon Islands	2011	1.065332	1.078571
Solomon Islands	2012	1.049638	1.061376
Solomon Islands	2013	1.034952	1.044876
Solomon Islands	2014	1.026433	1.034451
Solomon Islands	2015	1.016654	1.022379
Solomon Islands	2016	1.007093	1.010933
Solomon Islands	2017	0.991614	0.993079
Solomon Islands	2018	0.970301	0.971456
Solomon Islands	2019	0.977609	0.976166
Somalia	1990	0.750322	0.611496
Somalia	1991	0.74324	0.601044
Somalia	1992	0.728936	0.588467
Somalia	1993	0.714142	0.574841
Somalia	1994	0.705603	0.566449
Somalia	1995	0.699071	0.560185
Somalia	1996	0.704283	0.563338
Somalia	1997	0.712917	0.569484
Somalia	1998	0.723135	0.5768
Somalia	1999	0.733781	0.58339
Somalia	2000	0.743	0.588414

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Somalia	2001	0.755732	0.596479
Somalia	2002	0.769071	0.604926
Somalia	2003	0.784596	0.615255
Somalia	2004	0.799497	0.62424
Somalia	2005	0.813829	0.632367
Somalia	2006	0.821399	0.634753
Somalia	2007	0.832464	0.639935
Somalia	2008	0.844469	0.644877
Somalia	2009	0.85818	0.653139
Somalia	2010	0.85573	0.64884
Somalia	2011	0.853771	0.646719
Somalia	2012	0.851149	0.646331
Somalia	2013	0.850363	0.64823
Somalia	2014	0.848187	0.649933
Somalia	2015	0.846803	0.652619
Somalia	2016	0.845299	0.654947
Somalia	2017	0.842177	0.656193
Somalia	2018	0.839293	0.655624
Somalia	2019	0.839583	0.657314
South Africa	1990	0.872624	0.604062
South Africa	1991	0.844694	0.582752
South Africa	1992	0.912175	0.626358
South Africa	1993	0.863401	0.593813
South Africa	1994	0.89675	0.613044
South Africa	1995	0.800476	0.54839

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5	South Africa	1996	0.806957	0.550274
6	South Africa	1997	0.857876	0.580401
7	South Africa	1998	0.839139	0.565984
8	South Africa	1999	0.862781	0.575683
9	South Africa	2000	0.883991	0.586252
10	South Africa	2001	0.882307	0.581695
11	South Africa	2002	0.886612	0.581614
12	South Africa	2003	0.883797	0.577566
13	South Africa	2004	0.881778	0.576085
14	South Africa	2005	0.876284	0.573943
15	South Africa	2006	0.875827	0.572977
16	South Africa	2007	0.865365	0.567608
17	South Africa	2008	0.86076	0.56512
18	South Africa	2009	0.858824	0.563312
19	South Africa	2010	0.859822	0.560691
20	South Africa	2011	0.874497	0.566917
21	South Africa	2012	0.883077	0.573793
22	South Africa	2013	0.891229	0.580179
23	South Africa	2014	0.904752	0.590606
24	South Africa	2015	0.907736	0.594396
25	South Africa	2016	0.90994	0.594798
26	South Africa	2017	0.893752	0.587799
27	South Africa	2018	0.874707	0.580501
28	South Africa	2019	0.872436	0.582659
29	South Africa	2019	0.872436	0.582659
30	South Africa	2019	0.872436	0.582659
31	South Africa	2019	0.872436	0.582659
32	South Africa	2019	0.872436	0.582659
33	South Africa	2019	0.872436	0.582659
34	South Africa	2019	0.872436	0.582659
35	South Africa	2019	0.872436	0.582659
36	South Africa	2019	0.872436	0.582659
37	South Sudan	1990	0.617642	0.646117
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5	South Sudan	1991	0.608182	0.639096
6	South Sudan	1992	0.59649	0.630499
7	South Sudan	1993	0.583919	0.620618
8	South Sudan	1994	0.575092	0.614212
9	South Sudan	1995	0.56239	0.606514
10	South Sudan	1996	0.563369	0.609884
11	South Sudan	1997	0.563668	0.611578
12	South Sudan	1998	0.567632	0.617846
13	South Sudan	1999	0.571434	0.623961
14	South Sudan	2000	0.574652	0.628503
15	South Sudan	2001	0.579118	0.634668
16	South Sudan	2002	0.583072	0.639749
17	South Sudan	2003	0.588461	0.647561
18	South Sudan	2004	0.592934	0.651815
19	South Sudan	2005	0.600938	0.657757
20	South Sudan	2006	0.602378	0.65759
21	South Sudan	2007	0.601339	0.654603
22	South Sudan	2008	0.600134	0.650473
23	South Sudan	2009	0.605369	0.654527
24	South Sudan	2010	0.609132	0.657795
25	South Sudan	2011	0.617707	0.666383
26	South Sudan	2012	0.626237	0.674514
27	South Sudan	2013	0.637096	0.682281
28	South Sudan	2014	0.646201	0.689662
29	South Sudan	2015	0.658325	0.698963
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5	South Sudan	2016	0.66504	0.704405
6	South Sudan	2017	0.668702	0.710524
7	South Sudan	2018	0.674969	0.717543
8	South Sudan	2019	0.681735	0.723315
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10	Spain	1990	1.141463	0.683647
11	Spain	1991	1.147613	0.682843
12	Spain	1992	1.158914	0.68726
13	Spain	1993	1.175718	0.693078
14	Spain	1994	1.192094	0.698995
15	Spain	1995	1.19173	0.693909
16	Spain	1996	1.207036	0.697607
17	Spain	1997	1.226235	0.7048
18	Spain	1998	1.217732	0.695168
19	Spain	1999	1.20048	0.682673
20	Spain	2000	1.228318	0.693744
21	Spain	2001	1.242731	0.698067
22	Spain	2002	1.238513	0.693436
23	Spain	2003	1.246203	0.693896
24	Spain	2004	1.251368	0.694341
25	Spain	2005	1.253901	0.692857
26	Spain	2006	1.261916	0.693236
27	Spain	2007	1.25726	0.689482
28	Spain	2008	1.266641	0.690584
29	Spain	2009	1.271022	0.691003
30	Spain	2010	1.264498	0.682622
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Spain	2011	1.291473	0.694299
Spain	2012	1.314847	0.704675
Spain	2013	1.344507	0.71982
Spain	2014	1.360219	0.725666
Spain	2015	1.372704	0.730595
Spain	2016	1.381235	0.734868
Spain	2017	1.36967	0.731334
Spain	2018	1.393998	0.747474
Spain	2019	1.395263	0.752339
Sri Lanka	1990	0.565329	0.584802
Sri Lanka	1991	0.578904	0.591445
Sri Lanka	1992	0.585931	0.589963
Sri Lanka	1993	0.613223	0.609778
Sri Lanka	1994	0.622568	0.615605
Sri Lanka	1995	0.602386	0.593602
Sri Lanka	1996	0.63306	0.6159
Sri Lanka	1997	0.659262	0.633113
Sri Lanka	1998	0.676796	0.64036
Sri Lanka	1999	0.692609	0.64573
Sri Lanka	2000	0.697856	0.645993
Sri Lanka	2001	0.702683	0.642068
Sri Lanka	2002	0.734883	0.662004
Sri Lanka	2003	0.748233	0.669226
Sri Lanka	2004	0.782674	0.693991
Sri Lanka	2005	0.793452	0.698699

Sri Lanka	2006	0.819849	0.71548
Sri Lanka	2007	0.814719	0.702651
Sri Lanka	2008	0.806527	0.685378
Sri Lanka	2009	0.883706	0.741235
Sri Lanka	2010	0.855375	0.717334
Sri Lanka	2011	0.818618	0.683409
Sri Lanka	2012	0.786608	0.649113
Sri Lanka	2013	0.801781	0.655676
Sri Lanka	2014	0.796339	0.645695
Sri Lanka	2015	0.801576	0.645614
Sri Lanka	2016	0.807734	0.645914
Sri Lanka	2017	0.816588	0.648192
Sri Lanka	2018	0.838493	0.661592
Sri Lanka	2019	0.845783	0.662182
Sudan	1990	0.915215	0.883364
Sudan	1991	0.89466	0.868908
Sudan	1992	0.88086	0.859938
Sudan	1993	0.868571	0.852353
Sudan	1994	0.862812	0.850964
Sudan	1995	0.858514	0.851763
Sudan	1996	0.854869	0.853362
Sudan	1997	0.848693	0.851978
Sudan	1998	0.841506	0.849976
Sudan	1999	0.8354	0.848705
Sudan	2000	0.832796	0.850843

Sudan	2001	0.834451	0.85806
Sudan	2002	0.832769	0.861836
Sudan	2003	0.833939	0.869412
Sudan	2004	0.839011	0.879915
Sudan	2005	0.849835	0.89299
Sudan	2006	0.838268	0.884609
Sudan	2007	0.824546	0.874958
Sudan	2008	0.810984	0.865859
Sudan	2009	0.802669	0.861309
Sudan	2010	0.796912	0.861204
Sudan	2011	0.795754	0.865036
Sudan	2012	0.79713	0.870054
Sudan	2013	0.8	0.877201
Sudan	2014	0.808748	0.88856
Sudan	2015	0.816839	0.901218
Sudan	2016	0.822954	0.911158
Sudan	2017	0.829787	0.921163
Sudan	2018	0.833647	0.928108
Sudan	2019	0.836752	0.93243
Suriname	1990	0.787543	0.676472
Suriname	1991	0.773625	0.664525
Suriname	1992	0.762927	0.657532
Suriname	1993	0.735734	0.635602
Suriname	1994	0.730993	0.63073
Suriname	1995	0.749511	0.643204

Suriname	1996	0.753184	0.648987
Suriname	1997	0.72162	0.620651
Suriname	1998	0.689955	0.59407
Suriname	1999	0.717914	0.623254
Suriname	2000	0.729871	0.626825
Suriname	2001	0.739779	0.625425
Suriname	2002	0.768182	0.652205
Suriname	2003	0.759013	0.647365
Suriname	2004	0.789716	0.673453
Suriname	2005	0.792861	0.669835
Suriname	2006	0.809596	0.685651
Suriname	2007	0.794531	0.673183
Suriname	2008	0.783635	0.659421
Suriname	2009	0.795851	0.66849
Suriname	2010	0.777593	0.653797
Suriname	2011	0.790986	0.667096
Suriname	2012	0.803316	0.677208
Suriname	2013	0.781261	0.653612
Suriname	2014	0.786669	0.651621
Suriname	2015	0.81729	0.675948
Suriname	2016	0.837001	0.69061
Suriname	2017	0.845809	0.696292
Suriname	2018	0.857382	0.703866
Suriname	2019	0.874242	0.715426
Sweden	1990	0.754326	0.463779

Sweden	1991	0.743543	0.454427
Sweden	1992	0.750763	0.455035
Sweden	1993	0.739427	0.445076
Sweden	1994	0.745978	0.44729
Sweden	1995	0.748424	0.448184
Sweden	1996	0.781246	0.465371
Sweden	1997	0.792434	0.470712
Sweden	1998	0.797746	0.471452
Sweden	1999	0.810983	0.477167
Sweden	2000	0.846597	0.497609
Sweden	2001	0.846216	0.497371
Sweden	2002	0.854622	0.502943
Sweden	2003	0.852701	0.503031
Sweden	2004	0.849916	0.501095
Sweden	2005	0.861536	0.509177
Sweden	2006	0.895253	0.529417
Sweden	2007	0.912485	0.538504
Sweden	2008	0.914439	0.542118
Sweden	2009	0.913988	0.54386
Sweden	2010	0.939152	0.560356
Sweden	2011	0.944867	0.567629
Sweden	2012	0.948257	0.574409
Sweden	2013	0.960872	0.587228
Sweden	2014	0.971413	0.598792
Sweden	2015	0.963536	0.59731

Sweden	2016	0.968405	0.604055
Sweden	2017	0.963346	0.608837
Sweden	2018	0.949485	0.613392
Sweden	2019	0.9058	0.598532
Switzerland	1990	1.062104	0.561863
Switzerland	1991	1.085297	0.574003
Switzerland	1992	1.118409	0.592365
Switzerland	1993	1.151731	0.609078
Switzerland	1994	1.192699	0.630941
Switzerland	1995	1.214237	0.642122
Switzerland	1996	1.241375	0.653118
Switzerland	1997	1.258971	0.662246
Switzerland	1998	1.265703	0.664328
Switzerland	1999	1.290294	0.675357
Switzerland	2000	1.342631	0.69972
Switzerland	2001	1.37058	0.709901
Switzerland	2002	1.38254	0.715449
Switzerland	2003	1.407761	0.727
Switzerland	2004	1.433706	0.740367
Switzerland	2005	1.469206	0.757813
Switzerland	2006	1.471483	0.759842
Switzerland	2007	1.473616	0.761116
Switzerland	2008	1.497778	0.778024
Switzerland	2009	1.497785	0.78351
Switzerland	2010	1.481958	0.781891

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Switzerland	2011	1.467667	0.77742
Switzerland	2012	1.488953	0.789545
Switzerland	2013	1.487406	0.790652
Switzerland	2014	1.488658	0.792981
Switzerland	2015	1.465689	0.780309
Switzerland	2016	1.478698	0.796645
Switzerland	2017	1.447048	0.795428
Switzerland	2018	1.438361	0.801749
Switzerland	2019	1.413788	0.800998
Syrian Arab Republic	1990	0.917479	1.018136
Syrian Arab Republic	1991	0.91471	1.035383
Syrian Arab Republic	1992	0.91309	1.052004
Syrian Arab Republic	1993	0.888644	1.046973
Syrian Arab Republic	1994	0.905732	1.091777
Syrian Arab Republic	1995	0.9339	1.155488
Syrian Arab Republic	1996	0.935203	1.179075
Syrian Arab Republic	1997	0.926363	1.188127
Syrian Arab Republic	1998	0.940655	1.218168
Syrian Arab Republic	1999	0.924891	1.217608
Syrian Arab Republic	2000	0.917348	1.226316
Syrian Arab Republic	2001	0.901886	1.202629
Syrian Arab Republic	2002	0.891482	1.176015
Syrian Arab Republic	2003	0.877832	1.168175
Syrian Arab Republic	2004	0.894141	1.205428
Syrian Arab Republic	2005	0.891503	1.221358

Syrian Arab Republic	2006	0.89491	1.244382
Syrian Arab Republic	2007	0.875609	1.230146
Syrian Arab Republic	2008	0.854031	1.180682
Syrian Arab Republic	2009	0.870141	1.206509
Syrian Arab Republic	2010	0.909359	1.261294
Syrian Arab Republic	2011	0.9272	1.277259
Syrian Arab Republic	2012	0.939035	1.265399
Syrian Arab Republic	2013	0.958657	1.276741
Syrian Arab Republic	2014	0.975687	1.28192
Syrian Arab Republic	2015	0.986622	1.266201
Syrian Arab Republic	2016	0.993034	1.255924
Syrian Arab Republic	2017	0.998276	1.248525
Syrian Arab Republic	2018	1.004023	1.245232
Syrian Arab Republic	2019	1.005204	1.238992
Taiwan (Province of China)	1990	0.985425	1.011569
Taiwan (Province of China)	1991	0.995354	1.029026
Taiwan (Province of China)	1992	0.985887	1.02406
Taiwan (Province of China)	1993	0.989273	1.033343
Taiwan (Province of China)	1994	0.954842	1.005088
Taiwan (Province of China)	1995	0.961873	1.010782
Taiwan (Province of China)	1996	0.968368	1.020645
Taiwan (Province of China)	1997	0.964296	1.015286
Taiwan (Province of China)	1998	0.979169	1.027264
Taiwan (Province of China)	1999	1.002197	1.050918
Taiwan (Province of China)	2000	1.009383	1.056412



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Taiwan (Province of China)	2001	1.009354	1.054034
Taiwan (Province of China)	2002	1.006938	1.043543
Taiwan (Province of China)	2003	1.017283	1.046037
Taiwan (Province of China)	2004	0.985298	1.009895
Taiwan (Province of China)	2005	0.980931	0.996768
Taiwan (Province of China)	2006	0.960976	0.966534
Taiwan (Province of China)	2007	0.981744	0.975252
Taiwan (Province of China)	2008	0.983518	0.965808
Taiwan (Province of China)	2009	0.999055	0.974124
Taiwan (Province of China)	2010	1.015987	0.975085
Taiwan (Province of China)	2011	0.98816	0.932321
Taiwan (Province of China)	2012	1.011285	0.935788
Taiwan (Province of China)	2013	1.014673	0.921141
Taiwan (Province of China)	2014	1.017774	0.913073
Taiwan (Province of China)	2015	1.017308	0.894752
Taiwan (Province of China)	2016	1.028637	0.885786
Taiwan (Province of China)	2017	1.049592	0.8845
Taiwan (Province of China)	2018	1.075771	0.889571
Taiwan (Province of China)	2019	1.085295	0.890293
Tajikistan	1990	1.073056	0.767723
Tajikistan	1991	1.087627	0.781103
Tajikistan	1992	1.074775	0.788456
Tajikistan	1993	1.104223	0.815629
Tajikistan	1994	1.111487	0.817704
Tajikistan	1995	1.082798	0.781517

Tajikistan	1996	0.997321	0.703395
Tajikistan	1997	1.021929	0.708641
Tajikistan	1998	1.09509	0.757133
Tajikistan	1999	1.097986	0.769817
Tajikistan	2000	1.075764	0.773095
Tajikistan	2001	1.058164	0.766786
Tajikistan	2002	0.994554	0.740537
Tajikistan	2003	0.967197	0.738701
Tajikistan	2004	0.958714	0.745795
Tajikistan	2005	0.927086	0.725698
Tajikistan	2006	0.886752	0.692502
Tajikistan	2007	0.862094	0.673144
Tajikistan	2008	0.850079	0.661517
Tajikistan	2009	0.847407	0.659561
Tajikistan	2010	0.845459	0.657416
Tajikistan	2011	0.850017	0.665894
Tajikistan	2012	0.844328	0.666285
Tajikistan	2013	0.828206	0.64234
Tajikistan	2014	0.821117	0.634306
Tajikistan	2015	0.821088	0.630952
Tajikistan	2016	0.82218	0.628012
Tajikistan	2017	0.840047	0.6362
Tajikistan	2018	0.858145	0.653595
Tajikistan	2019	0.86892	0.663584
Thailand	1990	0.681059	0.588169

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5	Thailand	1991	0.680018	0.593022
6	Thailand	1992	0.670693	0.590228
7	Thailand	1993	0.657486	0.586194
8	Thailand	1994	0.642782	0.582624
9	Thailand	1995	0.629929	0.578302
10	Thailand	1996	0.647371	0.596895
11	Thailand	1997	0.687893	0.630446
12	Thailand	1998	0.706685	0.61792
13	Thailand	1999	0.762966	0.658819
14	Thailand	2000	0.841298	0.719716
15	Thailand	2001	0.932113	0.799463
16	Thailand	2002	1.033857	0.882983
17	Thailand	2003	1.098239	0.934802
18	Thailand	2004	1.172291	0.993394
19	Thailand	2005	1.228727	1.038246
20	Thailand	2006	1.247513	1.050587
21	Thailand	2007	1.266169	1.065646
22	Thailand	2008	1.276799	1.071992
23	Thailand	2009	1.271683	1.063155
24	Thailand	2010	1.270152	1.059761
25	Thailand	2011	1.247955	1.040133
26	Thailand	2012	1.227875	1.01986
27	Thailand	2013	1.211694	1.00092
28	Thailand	2014	1.194524	0.980393
29	Thailand	2015	1.165776	0.949129
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5	Thailand	2016	1.156813	0.934726
6	Thailand	2017	1.164108	0.932472
7	Thailand	2018	1.183666	0.940038
8	Thailand	2019	1.203826	0.949717
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10	Timor-Leste	1990	1.196681	1.155464
11	Timor-Leste	1991	1.183547	1.14905
12	Timor-Leste	1992	1.181926	1.153336
13	Timor-Leste	1993	1.18303	1.159541
14	Timor-Leste	1994	1.182152	1.16208
15	Timor-Leste	1995	1.180636	1.156541
16	Timor-Leste	1996	1.170038	1.148286
17	Timor-Leste	1997	1.164627	1.146855
18	Timor-Leste	1998	1.154785	1.144469
19	Timor-Leste	1999	1.124982	1.120679
20	Timor-Leste	2000	1.09484	1.088144
21	Timor-Leste	2001	1.068454	1.065474
22	Timor-Leste	2002	1.044813	1.045044
23	Timor-Leste	2003	1.021296	1.023366
24	Timor-Leste	2004	1.004261	1.007189
25	Timor-Leste	2005	0.995047	0.99295
26	Timor-Leste	2006	0.983217	0.979306
27	Timor-Leste	2007	0.97809	0.972303
28	Timor-Leste	2008	0.972901	0.96515
29	Timor-Leste	2009	0.958798	0.950179
30	Timor-Leste	2010	0.946263	0.931787
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Timor-Leste	2011	0.944849	0.929167
Timor-Leste	2012	0.937733	0.922057
Timor-Leste	2013	0.933499	0.917589
Timor-Leste	2014	0.93137	0.915053
Timor-Leste	2015	0.931167	0.907643
Timor-Leste	2016	0.928885	0.902893
Timor-Leste	2017	0.923472	0.896569
Timor-Leste	2018	0.919177	0.891868
Timor-Leste	2019	0.914942	0.887747
Togo	1990	0.962346	0.830838
Togo	1991	0.950342	0.818605
Togo	1992	0.930765	0.801384
Togo	1993	0.906439	0.7784
Togo	1994	0.88443	0.755182
Togo	1995	0.860386	0.73047
Togo	1996	0.836479	0.708339
Togo	1997	0.828206	0.695167
Togo	1998	0.809561	0.674108
Togo	1999	0.790023	0.656131
Togo	2000	0.780961	0.645704
Togo	2001	0.770827	0.6343
Togo	2002	0.774135	0.631214
Togo	2003	0.770561	0.623609
Togo	2004	0.764903	0.614684
Togo	2005	0.761828	0.607812

Togo	2006	0.761196	0.602424
Togo	2007	0.771884	0.603577
Togo	2008	0.773679	0.597014
Togo	2009	0.777731	0.597059
Togo	2010	0.780742	0.597078
Togo	2011	0.791777	0.600911
Togo	2012	0.807868	0.605235
Togo	2013	0.817276	0.606995
Togo	2014	0.824303	0.612965
Togo	2015	0.831794	0.618577
Togo	2016	0.842748	0.627372
Togo	2017	0.857032	0.634987
Togo	2018	0.871302	0.642024
Togo	2019	0.880134	0.6488
Tokelau	1990	1.654136	1.365381
Tokelau	1991	1.642666	1.35864
Tokelau	1992	1.620669	1.35639
Tokelau	1993	1.593963	1.351673
Tokelau	1994	1.576672	1.351523
Tokelau	1995	1.567959	1.352706
Tokelau	1996	1.573466	1.356843
Tokelau	1997	1.591125	1.360109
Tokelau	1998	1.621783	1.361206
Tokelau	1999	1.651438	1.353628
Tokelau	2000	1.677927	1.343664

Tokelau	2001	1.68679	1.32952
Tokelau	2002	1.678846	1.323954
Tokelau	2003	1.646445	1.313106
Tokelau	2004	1.619364	1.314728
Tokelau	2005	1.551954	1.285902
Tokelau	2006	1.493012	1.260807
Tokelau	2007	1.434987	1.228593
Tokelau	2008	1.397422	1.202485
Tokelau	2009	1.37992	1.185755
Tokelau	2010	1.373876	1.178019
Tokelau	2011	1.361942	1.171336
Tokelau	2012	1.345399	1.168842
Tokelau	2013	1.328842	1.169288
Tokelau	2014	1.305957	1.165686
Tokelau	2015	1.28582	1.16589
Tokelau	2016	1.265894	1.168574
Tokelau	2017	1.255581	1.18055
Tokelau	2018	1.248531	1.189306
Tokelau	2019	1.245695	1.197551
Tonga	1990	1.137947	0.954422
Tonga	1991	1.150946	0.963223
Tonga	1992	1.153805	0.956807
Tonga	1993	1.175571	0.972467
Tonga	1994	1.198633	0.991896
Tonga	1995	1.222674	1.012158

Tonga	1996	1.214661	1.004611
Tonga	1997	1.215995	1.005481
Tonga	1998	1.184864	0.982384
Tonga	1999	1.116171	0.924504
Tonga	2000	1.092365	0.89794
Tonga	2001	1.072194	0.876573
Tonga	2002	1.025257	0.834568
Tonga	2003	0.987728	0.798999
Tonga	2004	0.996284	0.801134
Tonga	2005	1.010378	0.812375
Tonga	2006	0.959076	0.770036
Tonga	2007	0.91288	0.731886
Tonga	2008	0.87431	0.699518
Tonga	2009	0.844102	0.673292
Tonga	2010	0.824036	0.655058
Tonga	2011	0.811065	0.642886
Tonga	2012	0.803065	0.634647
Tonga	2013	0.79368	0.625524
Tonga	2014	0.789094	0.620129
Tonga	2015	0.790241	0.619271
Tonga	2016	0.79346	0.620084
Tonga	2017	0.803721	0.626275
Tonga	2018	0.811761	0.630899
Tonga	2019	0.819439	0.635363
Trinidad and Tobago	1990	0.600964	0.489801



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Trinidad and Tobago	1991	0.627662	0.515626
Trinidad and Tobago	1992	0.606567	0.504513
Trinidad and Tobago	1993	0.64273	0.535968
Trinidad and Tobago	1994	0.643704	0.538284
Trinidad and Tobago	1995	0.699835	0.588405
Trinidad and Tobago	1996	0.630826	0.534858
Trinidad and Tobago	1997	0.670581	0.56774
Trinidad and Tobago	1998	0.668419	0.570753
Trinidad and Tobago	1999	0.693004	0.596655
Trinidad and Tobago	2000	0.721773	0.621557
Trinidad and Tobago	2001	0.707633	0.612719
Trinidad and Tobago	2002	0.708067	0.617553
Trinidad and Tobago	2003	0.702159	0.617369
Trinidad and Tobago	2004	0.719421	0.631428
Trinidad and Tobago	2005	0.697426	0.612803
Trinidad and Tobago	2006	0.752942	0.660694
Trinidad and Tobago	2007	0.769876	0.675302
Trinidad and Tobago	2008	0.726015	0.637953
Trinidad and Tobago	2009	0.751312	0.6574
Trinidad and Tobago	2010	0.747563	0.654669
Trinidad and Tobago	2011	0.748961	0.657407
Trinidad and Tobago	2012	0.758825	0.666719
Trinidad and Tobago	2013	0.75465	0.661016
Trinidad and Tobago	2014	0.74257	0.650544
Trinidad and Tobago	2015	0.728443	0.637884

Trinidad and Tobago	2016	0.714285	0.622822
Trinidad and Tobago	2017	0.708588	0.617215
Trinidad and Tobago	2018	0.705777	0.614191
Trinidad and Tobago	2019	0.700642	0.609275
Tunisia	1990	0.922362	0.92216
Tunisia	1991	0.91466	0.908992
Tunisia	1992	0.909486	0.907232
Tunisia	1993	0.893286	0.890379
Tunisia	1994	0.889422	0.885243
Tunisia	1995	0.915137	0.907174
Tunisia	1996	0.915833	0.904284
Tunisia	1997	0.911858	0.905111
Tunisia	1998	0.906945	0.898084
Tunisia	1999	0.902886	0.889968
Tunisia	2000	0.895207	0.874845
Tunisia	2001	0.896714	0.870498
Tunisia	2002	0.901627	0.869276
Tunisia	2003	0.896903	0.853638
Tunisia	2004	0.907776	0.856652
Tunisia	2005	0.920709	0.861737
Tunisia	2006	0.929556	0.86298
Tunisia	2007	0.942838	0.870231
Tunisia	2008	0.955568	0.877671
Tunisia	2009	0.960409	0.877045
Tunisia	2010	0.968509	0.879379

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5	Tunisia	2011	0.982912	0.888732
6	Tunisia	2012	0.990537	0.890952
7	Tunisia	2013	1.002731	0.897425
8	Tunisia	2014	1.014181	0.903306
9	Tunisia	2015	1.026315	0.91006
10	Tunisia	2016	1.03649	0.914533
11	Tunisia	2017	1.04578	0.918231
12	Tunisia	2018	1.05692	0.925188
13	Tunisia	2019	1.070279	0.935564
14	Turkey	1990	0.882338	0.747628
15	Turkey	1991	0.923351	0.791123
16	Turkey	1992	0.923977	0.795548
17	Turkey	1993	0.926172	0.800107
18	Turkey	1994	0.950114	0.827933
19	Turkey	1995	0.9474	0.825339
20	Turkey	1996	0.922129	0.799142
21	Turkey	1997	0.877222	0.74673
22	Turkey	1998	0.865027	0.727694
23	Turkey	1999	0.904444	0.768061
24	Turkey	2000	0.915587	0.780539
25	Turkey	2001	0.842519	0.690307
26	Turkey	2002	0.776753	0.607787
27	Turkey	2003	0.77808	0.597431
28	Turkey	2004	0.785448	0.592462
29	Turkey	2005	0.826471	0.620965
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Turkey	2006	0.899691	0.676278
Turkey	2007	0.989343	0.75242
Turkey	2008	1.072288	0.831128
Turkey	2009	1.07198	0.851161
Turkey	2010	1.058503	0.849826
Turkey	2011	1.045949	0.845235
Turkey	2012	1.043623	0.847286
Turkey	2013	1.048438	0.855723
Turkey	2014	1.041235	0.848401
Turkey	2015	1.054692	0.857405
Turkey	2016	1.081499	0.880422
Turkey	2017	1.101105	0.900345
Turkey	2018	1.116604	0.915779
Turkey	2019	1.122	0.920632
Turkmenistan	1990	1.024385	0.767814
Turkmenistan	1991	1.045253	0.777121
Turkmenistan	1992	1.073674	0.808289
Turkmenistan	1993	1.021469	0.770932
Turkmenistan	1994	0.985844	0.746882
Turkmenistan	1995	0.97205	0.741217
Turkmenistan	1996	0.92706	0.713066
Turkmenistan	1997	0.900121	0.699398
Turkmenistan	1998	0.849848	0.6639
Turkmenistan	1999	0.840053	0.656002
Turkmenistan	2000	0.836794	0.655332

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Turkmenistan	2001	0.85116	0.669704
Turkmenistan	2002	0.841139	0.66648
Turkmenistan	2003	0.803498	0.640381
Turkmenistan	2004	0.779975	0.625078
Turkmenistan	2005	0.77615	0.626214
Turkmenistan	2006	0.78764	0.638138
Turkmenistan	2007	0.762627	0.622647
Turkmenistan	2008	0.768426	0.627439
Turkmenistan	2009	0.78346	0.63939
Turkmenistan	2010	0.784212	0.642602
Turkmenistan	2011	0.800166	0.659001
Turkmenistan	2012	0.804281	0.665747
Turkmenistan	2013	0.75502	0.629872
Turkmenistan	2014	0.730527	0.612734
Turkmenistan	2015	0.700143	0.590465
Turkmenistan	2016	0.706254	0.596266
Turkmenistan	2017	0.704075	0.595532
Turkmenistan	2018	0.696381	0.58806
Turkmenistan	2019	0.694862	0.587712
Tuvalu	1990	1.28414	0.882899
Tuvalu	1991	1.271231	0.881089
Tuvalu	1992	1.266315	0.883443
Tuvalu	1993	1.277371	0.895488
Tuvalu	1994	1.270392	0.895911
Tuvalu	1995	1.282723	0.910113

Tuvalu	1996	1.28478	0.918413
Tuvalu	1997	1.283959	0.924284
Tuvalu	1998	1.26629	0.918439
Tuvalu	1999	1.265058	0.923673
Tuvalu	2000	1.27034	0.933788
Tuvalu	2001	1.248973	0.927207
Tuvalu	2002	1.230434	0.923587
Tuvalu	2003	1.209399	0.917821
Tuvalu	2004	1.19759	0.918897
Tuvalu	2005	1.160623	0.900505
Tuvalu	2006	1.128669	0.885957
Tuvalu	2007	1.088976	0.86284
Tuvalu	2008	1.055329	0.843309
Tuvalu	2009	1.029277	0.829027
Tuvalu	2010	1.0103	0.819353
Tuvalu	2011	0.990434	0.809332
Tuvalu	2012	0.972895	0.800738
Tuvalu	2013	0.958254	0.793897
Tuvalu	2014	0.943162	0.785966
Tuvalu	2015	0.932401	0.780965
Tuvalu	2016	0.922036	0.777291
Tuvalu	2017	0.917452	0.777446
Tuvalu	2018	0.911409	0.776202
Tuvalu	2019	0.904083	0.774402
Uganda	1990	0.548236	0.504404

Uganda	1991	0.54013	0.490464
Uganda	1992	0.536199	0.480626
Uganda	1993	0.535278	0.47393
Uganda	1994	0.53796	0.471558
Uganda	1995	0.539955	0.468542
Uganda	1996	0.54526	0.469057
Uganda	1997	0.557288	0.474044
Uganda	1998	0.574814	0.482678
Uganda	1999	0.592851	0.492126
Uganda	2000	0.61163	0.502468
Uganda	2001	0.625378	0.50938
Uganda	2002	0.635621	0.514315
Uganda	2003	0.640481	0.516736
Uganda	2004	0.646589	0.518975
Uganda	2005	0.650511	0.520499
Uganda	2006	0.647978	0.517671
Uganda	2007	0.639278	0.511191
Uganda	2008	0.630149	0.504185
Uganda	2009	0.628857	0.503771
Uganda	2010	0.634139	0.506062
Uganda	2011	0.637465	0.508293
Uganda	2012	0.645277	0.514361
Uganda	2013	0.659301	0.522239
Uganda	2014	0.668866	0.527592
Uganda	2015	0.675581	0.531943

Uganda	2016	0.680967	0.534655
Uganda	2017	0.68842	0.542143
Uganda	2018	0.697821	0.550123
Uganda	2019	0.70498	0.556486
Ukraine	1990	1.26884	0.535379
Ukraine	1991	1.265186	0.53084
Ukraine	1992	1.259455	0.527745
Ukraine	1993	1.283322	0.535352
Ukraine	1994	1.266652	0.530396
Ukraine	1995	1.223648	0.518507
Ukraine	1996	1.228618	0.517985
Ukraine	1997	1.257429	0.526083
Ukraine	1998	1.284121	0.532463
Ukraine	1999	1.261957	0.528379
Ukraine	2000	1.222739	0.518315
Ukraine	2001	1.218068	0.524698
Ukraine	2002	1.187573	0.52938
Ukraine	2003	1.17885	0.542352
Ukraine	2004	1.125673	0.539554
Ukraine	2005	1.059571	0.529521
Ukraine	2006	1.058946	0.534629
Ukraine	2007	1.027918	0.531838
Ukraine	2008	1.014702	0.529647
Ukraine	2009	1.082432	0.551625
Ukraine	2010	1.100984	0.556521



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Ukraine	2011	1.11073	0.562062
Ukraine	2012	1.116488	0.569273
Ukraine	2013	1.124589	0.579758
Ukraine	2014	1.152312	0.594726
Ukraine	2015	1.004352	0.550619
Ukraine	2016	1.038161	0.568166
Ukraine	2017	1.040673	0.563753
Ukraine	2018	1.031214	0.550653
Ukraine	2019	1.034153	0.548031
United Arab Emirates	1990	0.508775	1.055819
United Arab Emirates	1991	0.503032	1.069792
United Arab Emirates	1992	0.488118	1.067824
United Arab Emirates	1993	0.474784	1.069098
United Arab Emirates	1994	0.469924	1.103837
United Arab Emirates	1995	0.458375	1.106888
United Arab Emirates	1996	0.453324	1.114917
United Arab Emirates	1997	0.449076	1.143774
United Arab Emirates	1998	0.443761	1.145591
United Arab Emirates	1999	0.438082	1.140382
United Arab Emirates	2000	0.423761	1.063493
United Arab Emirates	2001	0.423709	1.065669
United Arab Emirates	2002	0.421871	1.066846
United Arab Emirates	2003	0.469095	1.226409
United Arab Emirates	2004	0.51104	1.461019
United Arab Emirates	2005	0.502397	1.530846

United Arab Emirates	2006	0.484336	1.642268
United Arab Emirates	2007	0.455707	1.872718
United Arab Emirates	2008	0.414353	1.915966
United Arab Emirates	2009	0.386944	1.959882
United Arab Emirates	2010	0.377203	1.975313
United Arab Emirates	2011	0.372044	2.007443
United Arab Emirates	2012	0.369703	2.035482
United Arab Emirates	2013	0.353789	1.824708
United Arab Emirates	2014	0.302003	1.068639
United Arab Emirates	2015	0.308823	1.083892
United Arab Emirates	2016	0.313736	1.095106
United Arab Emirates	2017	0.317355	1.102036
United Arab Emirates	2018	0.322685	1.113433
United Arab Emirates	2019	0.328024	1.123091
United Kingdom	1990	1.193318	0.623683
United Kingdom	1991	1.185042	0.617732
United Kingdom	1992	1.191903	0.620316
United Kingdom	1993	1.18015	0.616627
United Kingdom	1994	1.184645	0.623098
United Kingdom	1995	1.165368	0.618961
United Kingdom	1996	1.162815	0.622685
United Kingdom	1997	1.162376	0.626324
United Kingdom	1998	1.151615	0.626223
United Kingdom	1999	1.132918	0.618551
United Kingdom	2000	1.133772	0.621896

United Kingdom	2001	1.125533	0.620902
United Kingdom	2002	1.116016	0.619005
United Kingdom	2003	1.130571	0.631655
United Kingdom	2004	1.141036	0.64618
United Kingdom	2005	1.149652	0.659761
United Kingdom	2006	1.140951	0.661428
United Kingdom	2007	1.151446	0.673374
United Kingdom	2008	1.158662	0.683882
United Kingdom	2009	1.170397	0.694055
United Kingdom	2010	1.196585	0.709307
United Kingdom	2011	1.225876	0.723568
United Kingdom	2012	1.252109	0.736999
United Kingdom	2013	1.261349	0.746707
United Kingdom	2014	1.272174	0.763126
United Kingdom	2015	1.2565	0.769459
United Kingdom	2016	1.240504	0.775236
United Kingdom	2017	1.21352	0.77185
United Kingdom	2018	1.186146	0.766796
United Kingdom	2019	1.164712	0.764333
United Republic of Tanzania	1990	0.781522	0.703391
United Republic of Tanzania	1991	0.770668	0.692076
United Republic of Tanzania	1992	0.762312	0.682524
United Republic of Tanzania	1993	0.757432	0.675606
United Republic of Tanzania	1994	0.754777	0.669585
United Republic of Tanzania	1995	0.754556	0.665336

United Republic of Tanzania	1996	0.753179	0.660656
United Republic of Tanzania	1997	0.755772	0.65939
United Republic of Tanzania	1998	0.762045	0.661406
United Republic of Tanzania	1999	0.758868	0.656168
United Republic of Tanzania	2000	0.75477	0.650069
United Republic of Tanzania	2001	0.761333	0.652433
United Republic of Tanzania	2002	0.775263	0.660039
United Republic of Tanzania	2003	0.799231	0.675537
United Republic of Tanzania	2004	0.817084	0.687831
United Republic of Tanzania	2005	0.833331	0.699574
United Republic of Tanzania	2006	0.849816	0.70961
United Republic of Tanzania	2007	0.863137	0.718822
United Republic of Tanzania	2008	0.871853	0.726302
United Republic of Tanzania	2009	0.88892	0.738823
United Republic of Tanzania	2010	0.911233	0.758888
United Republic of Tanzania	2011	0.934464	0.780506
United Republic of Tanzania	2012	0.944435	0.790545
United Republic of Tanzania	2013	0.95813	0.803793
United Republic of Tanzania	2014	0.961943	0.812238
United Republic of Tanzania	2015	0.967976	0.817986
United Republic of Tanzania	2016	0.970737	0.825863
United Republic of Tanzania	2017	0.976471	0.836559
United Republic of Tanzania	2018	0.97822	0.842363
United Republic of Tanzania	2019	0.979223	0.848354
United States of America	1990	1.121959	0.673713

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United States of America	1991	1.121152	0.673792
United States of America	1992	1.118823	0.672728
United States of America	1993	1.117914	0.672485
United States of America	1994	1.127135	0.678043
United States of America	1995	1.130951	0.681682
United States of America	1996	1.147801	0.692919
United States of America	1997	1.160897	0.703666
United States of America	1998	1.167934	0.711278
United States of America	1999	1.175995	0.721325
United States of America	2000	1.185469	0.731829
United States of America	2001	1.184596	0.736947
United States of America	2002	1.166022	0.730166
United States of America	2003	1.156228	0.729609
United States of America	2004	1.162079	0.737919
United States of America	2005	1.161446	0.741989
United States of America	2006	1.170441	0.752624
United States of America	2007	1.176848	0.761583
United States of America	2008	1.157902	0.754912
United States of America	2009	1.137414	0.747998
United States of America	2010	1.112516	0.737069
United States of America	2011	1.100105	0.735527
United States of America	2012	1.079197	0.728297
United States of America	2013	1.052712	0.717797
United States of America	2014	1.045775	0.71982
United States of America	2015	1.036761	0.720233

United States of America	2016	1.018288	0.714376
United States of America	2017	0.997852	0.705882
United States of America	2018	0.970738	0.689814
United States of America	2019	0.99178	0.704414
United States Virgin Islands	1990	0.873088	0.721712
United States Virgin Islands	1991	0.874237	0.725185
United States Virgin Islands	1992	0.870862	0.721844
United States Virgin Islands	1993	0.870139	0.720392
United States Virgin Islands	1994	0.875963	0.723101
United States Virgin Islands	1995	0.910227	0.749649
United States Virgin Islands	1996	0.91449	0.749982
United States Virgin Islands	1997	0.925431	0.756183
United States Virgin Islands	1998	0.934782	0.760012
United States Virgin Islands	1999	0.930633	0.751762
United States Virgin Islands	2000	0.956607	0.762725
United States Virgin Islands	2001	0.955895	0.760227
United States Virgin Islands	2002	0.959703	0.761204
United States Virgin Islands	2003	0.960362	0.761988
United States Virgin Islands	2004	0.96685	0.766782
United States Virgin Islands	2005	0.964826	0.766372
United States Virgin Islands	2006	0.926507	0.744328
United States Virgin Islands	2007	0.733662	0.621569
United States Virgin Islands	2008	0.734813	0.619853
United States Virgin Islands	2009	0.740848	0.622809
United States Virgin Islands	2010	0.746643	0.624255

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United States Virgin Islands	2011	0.748312	0.62212
United States Virgin Islands	2012	0.74953	0.619269
United States Virgin Islands	2013	0.748915	0.614179
United States Virgin Islands	2014	0.746855	0.60744
United States Virgin Islands	2015	0.742282	0.598189
United States Virgin Islands	2016	0.742383	0.591309
United States Virgin Islands	2017	0.750479	0.590251
United States Virgin Islands	2018	0.761021	0.590597
United States Virgin Islands	2019	0.771097	0.590125
Uruguay	1990	0.787892	0.531212
Uruguay	1991	0.815435	0.545513
Uruguay	1992	0.792603	0.529812
Uruguay	1993	0.792372	0.527085
Uruguay	1994	0.782112	0.517604
Uruguay	1995	0.776781	0.509406
Uruguay	1996	0.77837	0.508201
Uruguay	1997	0.800527	0.519526
Uruguay	1998	0.786886	0.508517
Uruguay	1999	0.810708	0.520204
Uruguay	2000	0.821543	0.525213
Uruguay	2001	0.846287	0.538567
Uruguay	2002	0.836056	0.528477
Uruguay	2003	0.864479	0.540434
Uruguay	2004	0.894154	0.553194
Uruguay	2005	0.908873	0.560506

Uruguay	2006	0.913924	0.560684
Uruguay	2007	0.904512	0.551885
Uruguay	2008	0.924715	0.562482
Uruguay	2009	0.912966	0.55148
Uruguay	2010	0.93959	0.561935
Uruguay	2011	0.962523	0.566127
Uruguay	2012	0.976484	0.571097
Uruguay	2013	0.988945	0.57691
Uruguay	2014	0.996598	0.579124
Uruguay	2015	1.013463	0.586803
Uruguay	2016	1.039523	0.59868
Uruguay	2017	1.031497	0.593876
Uruguay	2018	1.024607	0.589103
Uruguay	2019	1.020814	0.586969
Uzbekistan	1990	1.053712	0.850642
Uzbekistan	1991	1.058001	0.854141
Uzbekistan	1992	1.078785	0.8679
Uzbekistan	1993	1.066371	0.853702
Uzbekistan	1994	1.030576	0.826133
Uzbekistan	1995	0.981071	0.793016
Uzbekistan	1996	0.943412	0.769216
Uzbekistan	1997	0.952693	0.779594
Uzbekistan	1998	0.966792	0.790835
Uzbekistan	1999	0.943803	0.773295
Uzbekistan	2000	0.917629	0.749618



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Uzbekistan	2001	0.899862	0.73214
Uzbekistan	2002	0.894435	0.723247
Uzbekistan	2003	0.892522	0.716783
Uzbekistan	2004	0.89648	0.716733
Uzbekistan	2005	0.897849	0.728357
Uzbekistan	2006	0.887354	0.723319
Uzbekistan	2007	0.879009	0.725456
Uzbekistan	2008	0.868701	0.718806
Uzbekistan	2009	0.865821	0.718362
Uzbekistan	2010	0.876619	0.731268
Uzbekistan	2011	0.865302	0.727632
Uzbekistan	2012	0.862568	0.731741
Uzbekistan	2013	0.856119	0.730918
Uzbekistan	2014	0.845965	0.724626
Uzbekistan	2015	0.845181	0.726931
Uzbekistan	2016	0.839304	0.728291
Uzbekistan	2017	0.838265	0.723642
Uzbekistan	2018	0.835082	0.719203
Uzbekistan	2019	0.831718	0.71384
Vanuatu	1990	0.924689	1.062804
Vanuatu	1991	0.959062	1.090159
Vanuatu	1992	0.992102	1.11732
Vanuatu	1993	1.015954	1.136811
Vanuatu	1994	1.050027	1.165347
Vanuatu	1995	1.057606	1.170658

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5	Vanuatu	1996	1.075089	1.181653
6	Vanuatu	1997	1.081546	1.182417
7	Vanuatu	1998	1.087602	1.181903
8	Vanuatu	1999	1.083482	1.169205
9	Vanuatu	2000	1.055304	1.134576
10	Vanuatu	2001	1.03525	1.103403
11	Vanuatu	2002	0.979033	1.042508
12	Vanuatu	2003	0.939	0.996405
13	Vanuatu	2004	0.932133	0.979734
14	Vanuatu	2005	0.931551	0.967699
15	Vanuatu	2006	0.933997	0.962733
16	Vanuatu	2007	0.937084	0.957964
17	Vanuatu	2008	0.939521	0.955358
18	Vanuatu	2009	0.939143	0.952518
19	Vanuatu	2010	0.938401	0.95149
20	Vanuatu	2011	0.947135	0.960747
21	Vanuatu	2012	0.945052	0.960552
22	Vanuatu	2013	0.941907	0.960476
23	Vanuatu	2014	0.930911	0.952544
24	Vanuatu	2015	0.923052	0.947129
25	Vanuatu	2016	0.912979	0.93965
26	Vanuatu	2017	0.911947	0.940753
27	Vanuatu	2018	0.909456	0.940258
28	Vanuatu	2019	0.90635	0.939138
29	Venezuela (Bolivarian Republic of)	1990	0.816605	0.702689
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Venezuela (Bolivarian Republic of)	1991	0.804698	0.693203
Venezuela (Bolivarian Republic of)	1992	0.798843	0.686705
Venezuela (Bolivarian Republic of)	1993	0.757611	0.641868
Venezuela (Bolivarian Republic of)	1994	0.773954	0.64284
Venezuela (Bolivarian Republic of)	1995	0.78569	0.650344
Venezuela (Bolivarian Republic of)	1996	0.827465	0.689124
Venezuela (Bolivarian Republic of)	1997	0.859391	0.715852
Venezuela (Bolivarian Republic of)	1998	0.810625	0.676084
Venezuela (Bolivarian Republic of)	1999	0.831487	0.694345
Venezuela (Bolivarian Republic of)	2000	0.803139	0.671118
Venezuela (Bolivarian Republic of)	2001	0.799291	0.667806
Venezuela (Bolivarian Republic of)	2002	0.827619	0.684559
Venezuela (Bolivarian Republic of)	2003	0.765497	0.632291
Venezuela (Bolivarian Republic of)	2004	0.775109	0.637159
Venezuela (Bolivarian Republic of)	2005	0.759502	0.621158
Venezuela (Bolivarian Republic of)	2006	0.708105	0.576335
Venezuela (Bolivarian Republic of)	2007	0.670884	0.544186
Venezuela (Bolivarian Republic of)	2008	0.667097	0.540119
Venezuela (Bolivarian Republic of)	2009	0.678994	0.548394
Venezuela (Bolivarian Republic of)	2010	0.768656	0.622094
Venezuela (Bolivarian Republic of)	2011	0.78214	0.635776
Venezuela (Bolivarian Republic of)	2012	0.752834	0.615282
Venezuela (Bolivarian Republic of)	2013	0.769992	0.630856
Venezuela (Bolivarian Republic of)	2014	0.884428	0.726306
Venezuela (Bolivarian Republic of)	2015	0.880047	0.72823

Venezuela (Bolivarian Republic of)	2016	0.860449	0.71614
Venezuela (Bolivarian Republic of)	2017	0.828765	0.692569
Venezuela (Bolivarian Republic of)	2018	0.805853	0.675996
Venezuela (Bolivarian Republic of)	2019	0.785368	0.659536
Viet Nam	1990	1.930348	1.258255
Viet Nam	1991	1.895754	1.240529
Viet Nam	1992	1.868496	1.226206
Viet Nam	1993	1.841509	1.210638
Viet Nam	1994	1.813586	1.193323
Viet Nam	1995	1.782829	1.172882
Viet Nam	1996	1.743699	1.147006
Viet Nam	1997	1.709193	1.122924
Viet Nam	1998	1.672772	1.096766
Viet Nam	1999	1.63651	1.070041
Viet Nam	2000	1.579058	1.030261
Viet Nam	2001	1.521513	0.993379
Viet Nam	2002	1.47358	0.962
Viet Nam	2003	1.431813	0.932566
Viet Nam	2004	1.392316	0.903543
Viet Nam	2005	1.353006	0.874162
Viet Nam	2006	1.337065	0.859607
Viet Nam	2007	1.324604	0.850056
Viet Nam	2008	1.323289	0.849737
Viet Nam	2009	1.321261	0.852674
Viet Nam	2010	1.328771	0.860246

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Viet Nam	2011	1.341013	0.87573
Viet Nam	2012	1.354551	0.89126
Viet Nam	2013	1.369053	0.906847
Viet Nam	2014	1.387531	0.923227
Viet Nam	2015	1.409908	0.938181
Viet Nam	2016	1.431575	0.953848
Viet Nam	2017	1.459148	0.972659
Viet Nam	2018	1.486234	0.990891
Viet Nam	2019	1.508687	1.006537
Yemen	1990	0.981841	0.746822
Yemen	1991	0.968788	0.745728
Yemen	1992	0.950842	0.740663
Yemen	1993	0.932491	0.735044
Yemen	1994	0.913991	0.729153
Yemen	1995	0.904266	0.730324
Yemen	1996	0.896218	0.731679
Yemen	1997	0.882889	0.728787
Yemen	1998	0.870341	0.726354
Yemen	1999	0.857908	0.723453
Yemen	2000	0.847074	0.721681
Yemen	2001	0.837908	0.720832
Yemen	2002	0.832844	0.720939
Yemen	2003	0.82958	0.723923
Yemen	2004	0.828547	0.727283
Yemen	2005	0.830121	0.733911

Yemen	2006	0.829255	0.735995
Yemen	2007	0.83175	0.740204
Yemen	2008	0.832213	0.742458
Yemen	2009	0.832872	0.745576
Yemen	2010	0.835204	0.752401
Yemen	2011	0.845055	0.763452
Yemen	2012	0.853337	0.773794
Yemen	2013	0.862728	0.784063
Yemen	2014	0.869438	0.792211
Yemen	2015	0.873679	0.798236
Yemen	2016	0.879447	0.80375
Yemen	2017	0.885689	0.808814
Yemen	2018	0.891526	0.812253
Yemen	2019	0.897097	0.814499
Zambia	1990	0.874025	0.844793
Zambia	1991	0.860211	0.835418
Zambia	1992	0.844285	0.825868
Zambia	1993	0.821036	0.808517
Zambia	1994	0.809962	0.801534
Zambia	1995	0.79626	0.791593
Zambia	1996	0.782948	0.782316
Zambia	1997	0.766796	0.76913
Zambia	1998	0.750685	0.754682
Zambia	1999	0.732818	0.737519
Zambia	2000	0.707935	0.712561

Zambia	2001	0.693031	0.695964
Zambia	2002	0.677749	0.678508
Zambia	2003	0.667889	0.664051
Zambia	2004	0.659869	0.648766
Zambia	2005	0.655895	0.638442
Zambia	2006	0.660793	0.637345
Zambia	2007	0.659858	0.631617
Zambia	2008	0.660439	0.627202
Zambia	2009	0.667305	0.629889
Zambia	2010	0.679315	0.637493
Zambia	2011	0.69254	0.647015
Zambia	2012	0.707016	0.658908
Zambia	2013	0.720994	0.669655
Zambia	2014	0.729531	0.67707
Zambia	2015	0.735597	0.683088
Zambia	2016	0.741109	0.689189
Zambia	2017	0.749312	0.697265
Zambia	2018	0.752969	0.70141
Zambia	2019	0.759635	0.707038
Zimbabwe	1990	0.661655	0.555791
Zimbabwe	1991	0.640232	0.541326
Zimbabwe	1992	0.610999	0.522021
Zimbabwe	1993	0.567077	0.49111
Zimbabwe	1994	0.515934	0.449828
Zimbabwe	1995	0.461896	0.404784

Zimbabwe	1996	0.418462	0.364105
Zimbabwe	1997	0.392742	0.335841
Zimbabwe	1998	0.414159	0.346022
Zimbabwe	1999	0.449094	0.366171
Zimbabwe	2000	0.487121	0.389527
Zimbabwe	2001	0.512585	0.40252
Zimbabwe	2002	0.54821	0.423934
Zimbabwe	2003	0.584949	0.445465
Zimbabwe	2004	0.618119	0.464381
Zimbabwe	2005	0.616168	0.459484
Zimbabwe	2006	0.640547	0.473186
Zimbabwe	2007	0.658688	0.483898
Zimbabwe	2008	0.694945	0.507221
Zimbabwe	2009	0.7293	0.52948
Zimbabwe	2010	0.733864	0.532571
Zimbabwe	2011	0.724001	0.525821
Zimbabwe	2012	0.727939	0.527944
Zimbabwe	2013	0.739323	0.534652
Zimbabwe	2014	0.759521	0.547145
Zimbabwe	2015	0.758458	0.546135
Zimbabwe	2016	0.756162	0.544612
Zimbabwe	2017	0.757829	0.544924
Zimbabwe	2018	0.757228	0.54387
Zimbabwe	2019	0.757349	0.543382



## STROBE Statement—checklist of items that should be included in reports of observational studies

	Item No	Recommendation	Page No
<b>Title and abstract</b>	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	2
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
<b>Introduction</b>			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	4
<b>Methods</b>			
Study design	4	Present key elements of study design early in the paper	4
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	4
Participants	6	(a) <i>Cohort study</i> —Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up <i>Case-control study</i> —Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls <i>Cross-sectional study</i> —Give the eligibility criteria, and the sources and methods of selection of participants	4
		(b) <i>Cohort study</i> —For matched studies, give matching criteria and number of exposed and unexposed <i>Case-control study</i> —For matched studies, give matching criteria and the number of controls per case	NA
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	NA
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group	4
Bias	9	Describe any efforts to address potential sources of bias	NA
Study size	10	Explain how the study size was arrived at	NA
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	NA
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	4, 5
		(b) Describe any methods used to examine subgroups and interactions	4, 5
	(c) Explain how missing data were addressed	NA	
	(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed <i>Case-control study</i> —If applicable, explain how matching of cases and controls was addressed <i>Cross-sectional study</i> —If applicable, describe analytical methods taking account of sampling strategy	NA	
	(e) Describe any sensitivity analyses	NA	

Continued on next page

<b>Results</b>			
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed	5, 6
		(b) Give reasons for non-participation at each stage	NA
		(c) Consider use of a flow diagram	NA
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	5, 6
		(b) Indicate number of participants with missing data for each variable of interest	NA
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	NA
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	5
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	NA
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	NA
Main results	16	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included	5-8
		(b) Report category boundaries when continuous variables were categorized	NA
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	NA
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	NA
<b>Discussion</b>			
Key results	18	Summarise key results with reference to study objectives	5-8
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias	10
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	10
Generalisability	21	Discuss the generalisability (external validity) of the study results	8-10
<b>Other information</b>			
Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based	11

\*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

**Note:** An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at <http://www.plosmedicine.org/>, Annals of Internal Medicine at <http://www.annals.org/>, and Epidemiology at <http://www.epidem.com/>). Information on the STROBE Initiative is available at [www.strobe-statement.org](http://www.strobe-statement.org).