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Supplementary methods

Data adjustment

In Global Burden and Disease Study (GBD) 2019, the primary data on causes of death were mainly derived from vital registration and verbal autopsy. Data were standardized and mapped according to the GBD causes of death ICD mapping method. ICD 10 codes mapped to CKD include D63.1, E10.2, E11.2, E12.2, E13.2, E14.2, I12-I13.9, N02-N08.8, N15.0, N18-N18.9, Q61-Q62.8. These data were then age-sex split, and appropriate redistribution of garbage code data was performed. Nonspecific codes with unspecified causes were redistributed appropriately to most details causes of CKD with current garbage code redistribution algorithms. Outliers were identified by systematic examination of data points for all location-years. Data points that violated well- established age or time trends or that resulted in extremely high or low cause fractions were determined to be outliers. After excluding outliers, data on causes of death were pooled into the Cause of Death Ensemble model with location-level covariates such as socio-demographic index, mean BMI and diabetes fasting plasma glucose to generate estimated mortality rates. Using Data from end-stage renal disease registries, DisMod- MR (the Bayesian meta-regression tool in GBD 2019) was used to estimate the proportion of CKD mortality for each CKD subtype, including diabetes mellitus type 1, diabetes mellitus type 2, hypertension, glomerulonephritis, and other and unknown causes. Adjusted corresponding proportion was applied to Cause of Death Ensemble model to generate the mortality rate of CKD due to glomerulonephritis. Then the results were processed in CoDCorrect to produce final estimates of years of

life lost adjusted by location, year, age and sex.^{1,2}

Literature reviews along with population-based surveys and kidney registry reports were the key sources of incidence and prevalence. DisMod-MR 2.1 model was utilized to produce estimates of CKD by age, gender, location and other covariates. In GBD 2019, CKD was defined by degree of loss of kidney function or receipt of kidney replacement therapy: CKD stages 1&2 (eGFR > 60ml/min/1.73m² and ACR > 30 mg/g), CKD Stage 3 (eGFR 30-60ml/min/1.73m²), CKD Stage 4 (eGFR 15-30ml/min/1.73m²), CKD Stage 5 (eGFR <15ml/min/1.73m², not on kidney replacement therapy), maintenance dialysis, and kidney transplantation. Data from Geisinger Health System in Pennsylvania was utilized to predict the probability of each etiology by age and sex for each stage of CKD (1&2, 3, and 4/5 combined), and then this probability was converted into age-sex-stage-specific etiology proportions. In order to generalize results of Geisinger analysis, a location-specific correction was performed to obtain the final age-sex-location-specific etiology proportions. Data from end-stage kidney registries used to estimate the age-sex- location-specific proportion of each etiology for those on dialysis or with kidney transplants. And then the adjusted corresponding proportion was applied to parent CKD prevalence and incidence to estimate the prevalence and incidence of CKD due to glomerulonephritis.

^{1, 2} DW (disability weight) ranging from 0 to 1, where 0 is health and 1 is death, reflected the severity of non-fatal disability caused by a specific disease. Years lived with disability was calculated by multiplying DW and disability duration. Disability-adjusted life-years (DALYs) were the sum of years of life lost and years lived with

disability.

Decomposition analysis

We used the decomposition methods developed by Das Gupta to decompose the DALYs of CKD due to glomerulonephritis by population aging, population growth and epidemiologic changes.^{3,4} DALY is calculated as:

$$DALY_{a,g,e,t} = \sum_{k=1}^{20} a_{k,t} * p_t * e_{k,t},$$

where $DALY_{a,g,e,t}$ represents DALYs number cumulated by population aging, population growth and epidemiologic changes in year t, $a_{k,t}$ is the proportion of population for the age group k at year t, p_t is the population size at year t, and $e_{k,t}$ is represented by DALYs rate for a specific age group k at year t.

We determined the effect of one factor on DALYs change on the basis that other factors remained unchanged. Therefore, the formula goes as follows if we calculated the contribution of population aging to DALYs change:

$$Effect_{a_{2019}} = \left[\frac{DALY_{a_{2019},p_{2019},e_{2019}} + DALY_{a_{2019},p_{1990},e_{1990}}}{3} + \frac{DALY_{a_{2019},p_{1990},e_{2019}} + DALY_{a_{2019},p_{2019},e_{1990}}}{6} \right] \\ - \left[\frac{DALY_{a_{1990},p_{2019},e_{2019}} + DALY_{a_{1990},p_{1990},e_{1990}}}{3} + \frac{DALY_{a_{1990},p_{1990},e_{2019}} + DALY_{a_{1990},p_{2019},e_{1990}}}{6} \right]$$

Frontier analysis

We carried out an improved data envelopment analysis (DEA) in frontier analysis.³⁻
⁵ DEA is a non-parametric method, which is used to estimate the production boundary under the convexity assumption. “Free disposal hull” (fdh) option was selected to model the ideal achievable age-standardized DALYs on the basis of sociodemographic index. In order to minimize the modelling error as it as possible, 150

bootstrapped samples of the data were put into model with incorporation of year, location and other covariates. Mean age-standardized DALYs for the given sociodemographic index were calculated from 150 bootstrapped sampling. A smooth frontier (span=0.1, degree=1) was then fitted through Loess regression. In the process of boundary generation, outliers were eliminated by excluding super-efficient elements. The distance between the observed age-standardized disability-adjusted life-years and the frontier values, named “effective difference”, was to determine the gap of age-standardized DALYs that could be attained at a given level of development. For example, when the observed rate of a country was far below the frontier value given its sociodemographic index, it implied there might be a great deal of unrecognized opportunities for the country for improvement in terms of age-standardized DALYs. Besides, the change of effective difference for a country over time provided a pattern of the changing burden with sociodemographic index.

Supplementary References:

1. Diseases GBD, Injuries C: Global burden of 369 diseases and injuries in 204 countries and territories, 1990–2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*, 396: 1204–1222, 2020 10.1016/S0140-6736(20)30925-9
2. Collaboration GBDCKD: Global, regional, and national burden of chronic kidney disease, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*, 395: 709–733, 2020 10.1016/S0140-6736(20)30045-3
3. Li H, Lu W, Wang A, Jiang H, Lyu J: Changing epidemiology of chronic kidney disease as a result of type 2 diabetes mellitus from 1990 to 2017: Estimates from Global Burden of Disease 2017. *J Diabetes Investig*, 12: 346–356, 2021 10.1111/jdi.13355
4. Xie Y, Bowe B, Mokdad AH, Xian H, Yan Y, Li T, Maddukuri G, Tsai CY, Floyd T, Al-Aly Z: Analysis of the Global Burden of Disease study highlights the global, regional, and national trends of chronic kidney disease epidemiology from 1990 to 2016. *Kidney international*, 94: 567–581, 2018 10.1016/j.kint.2018.04.011

5. Access GBDH, Quality Collaborators. Electronic address cue, Access GBDH, Quality C: Healthcare Access and Quality Index based on mortality from causes amenable to personal health care in 195 countries and territories, 1990–2015: a novel analysis from the Global Burden of Disease Study 2015. *Lancet*, 390: 231–266, 2017 10.1016/S0140-6736(17)30818-8

Supplemental Table 1. ICD10 codes (N02-N06.9) as reference to the diagnosis of CKD due to glomerulonephritis in this study.

ICD10 codes	Subtypes
N02	Recurrent and persistent hematuria
N02.0	Recurrent and persistent hematuria, minor glomerular abnormality
N02.1	Recurrent and persistent hematuria, focal and segmental glomerular lesions
N02.2	Recurrent and persistent hematuria, diffuse membranous glomerulonephritis
N02.3	Recurrent and persistent hematuria, diffuse mesangial proliferative glomerulonephritis
N02.4	Recurrent and persistent hematuria, diffuse endocapillary proliferative glomerulonephritis
N02.5	Recurrent and persistent hematuria, diffuse mesangiocapillary glomerulonephritis
N02.6	Recurrent and persistent hematuria, dense deposit disease
N02.7	Recurrent and persistent hematuria, diffuse crescentic glomerulonephritis
N02.8	Recurrent and persistent hematuria, other
N02.9	Recurrent and persistent hematuria, unspecified
N03	Chronic nephritic syndrome
N03.0	Chronic nephritic syndrome, minor glomerular abnormality
N03.1	Chronic nephritic syndrome, focal and segmental glomerular lesions
N03.2	Chronic nephritic syndrome, diffuse membranous glomerulonephritis
N03.3	Chronic nephritic syndrome, diffuse mesangial proliferative glomerulonephritis
N03.4	Chronic nephritic syndrome, diffuse endocapillary proliferative glomerulonephritis
N03.5	Chronic nephritic syndrome, diffuse mesangiocapillary glomerulonephritis
N03.6	Chronic nephritic syndrome, dense deposit disease
N03.7	Chronic nephritic syndrome, diffuse crescentic glomerulonephritis
N03.8	Chronic nephritic syndrome, other
N03.9	Chronic nephritic syndrome, unspecified
N04	Nephrotic syndrome
N04.0	Nephrotic syndrome, minor glomerular abnormality
N04.1	Nephrotic syndrome, focal and segmental glomerular lesions
N04.2	Nephrotic syndrome, diffuse membranous glomerulonephritis
N04.3	Nephrotic syndrome, diffuse mesangial proliferative glomerulonephritis

N04.4	Nephrotic syndrome, diffuse endocapillary proliferative glomerulonephritis
N04.5	Nephrotic syndrome, diffuse mesangiocapillary glomerulonephritis
N04.6	Nephrotic syndrome, dense deposit disease
N04.7	Nephrotic syndrome, diffuse crescentic glomerulonephritis
N04.8	Nephrotic syndrome, other
N04.9	Nephrotic syndrome, unspecified
N05	Unspecified nephritic syndrome
N05.0	Unspecified nephritic syndrome, minor glomerular abnormality
N05.1	Unspecified nephritic syndrome, focal and segmental glomerular lesions
N05.2	Unspecified nephritic syndrome, diffuse membranous glomerulonephritis
N05.3	Unspecified nephritic syndrome, diffuse mesangial proliferative glomerulonephritis
N05.4	Unspecified nephritic syndrome, diffuse endocapillary proliferative glomerulonephritis
N05.5	Unspecified nephritic syndrome, diffuse mesangiocapillary glomerulonephritis
N05.6	Unspecified nephritic syndrome, dense deposit disease
N05.7	Unspecified nephritic syndrome, diffuse crescentic glomerulonephritis
N05.8	Unspecified nephritic syndrome, other
N05.9	Unspecified nephritic syndrome, unspecified
N06	Isolated proteinuria with specified morphological lesion
N06.0	Isolated proteinuria with specified morphological lesion, minor glomerular abnormality
N06.1	Isolated proteinuria with specified morphological lesion, focal and segmental glomerular lesions
N06.2	Isolated proteinuria with specified morphological lesion, diffuse membranous glomerulonephritis
N06.3	Isolated proteinuria with specified morphological lesion, diffuse mesangial proliferative glomerulonephritis
N06.4	Isolated proteinuria with specified morphological lesion, diffuse endocapillary proliferative glomerulonephritis
N06.5	Isolated proteinuria with specified morphological lesion, diffuse mesangiocapillary glomerulonephritis
N06.6	Isolated proteinuria with specified morphological lesion, dense deposit disease
N06.7	Isolated proteinuria with specified morphological lesion, diffuse crescentic glomerulonephritis
N06.8	Isolated proteinuria with specified morphological lesion, other
N06.9	Isolated proteinuria with specified morphological lesion, unspecified

Note, causes of death (CoD) data were mapped and split onto multiple ICD-8, ICD-9,

and ICD-10 detail causes, or targets, based on ICD-detail cause codes to ensure that all subtypes of CKD due to glomerulonephritis were taken into account and all data were classified into correct subtypes to the largest extent.¹ However, we did not validate the sensitivity and specificity of these codes, implying some patient misclassification is possible.

Supplementary references:

1. Diseases GBD, Injuries C: Global burden of 369 diseases and injuries in 204 countries and territories, 1990-2019: a systematic analysis for the Global Burden of Disease Study 2019. *Lancet*, 396: 1204-1222, 2020 10.1016/S0140-6736(20)30925-9

Supplemental Table 2. Definition of measurement and metrics

Measure	Number	Percent	Rate
Incidence	Number new of cases in the population	Proportion of news cases of a particular cause relative to cases from all causes	New cases per 100,000 population
Prevalence	Total number of cases in the population	Proportion of total cases of a particular cause relative to cases from all causes	Total cases per 100,000 population
Deaths	Number of deaths in the population	Proportion of deaths for a particular cause relative to deaths from all causes	Deaths per 100,000 population
Disability-adjusted life years	Number of disability-adjusted life-years in the population	Proportion of DALYs for a particular cause relative to disability-adjusted life-years from all causes	DALYs per 100,000 population

Note, the definitions were obtained from the code book of Global Burden of Diseases Study 2019

Supplemental Table 3. R packages used in our study

Package names
data.table
dplyr
forcats
ggmap
ggplot2
ggpmisc
ggpubr
ggrepel
ggsci
magrittr
maps
readxl
reshape
rgdal
tidyr

Supplemental Table 4. The regional incidence, prevalence, deaths and disability-adjusted life-years of CKD due to glomerulonephritis in 2019, and percentage change from 1990 to 2019

	Incidence			Prevalence			Deaths			Disability-adjusted life-years		
	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95%UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95%UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95%UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95%UI)
East Asia	77.9 (70-86.8)	5.2 (4.7-5.9)	-3% (-7%-0%)	3171.7 (2898-3471.2)	187.5 (170.7-206)	1% (-1%-4%)	18.2 (13-24.8)	1 (0.7-1.3)	-24% (-39%--8%)	704.1 (551.8-878.9)	38.1 (30.4-47.4)	-30% (-41%--18%)
Southeast Asia	61.1 (55.2-67.9)	9.3 (8.4-10.3)	36% (32%-40%)	1937.8 (1775.7-2111.2)	275.9 (253.3-300.4)	25% (22%-28%)	8.2 (6.2-10.7)	1.4 (1.1-1.8)	-7% (-19%-5%)	467.2 (374.9-581.9)	68.3 (55.5-84)	-5% (-16%-7%)
Oceania	1.2 (0.9-1.6)	8.2 (6.3-10.8)	21% (14%-29%)	31.7 (26.1-38.7)	254 (214.3-302.6)	18% (13%-23%)	0.1 (0.1-0.2)	1.8 (1.3-2.4)	11% (-10%-36%)	9.5 (7.1-12.3)	82.7 (62.7-107.3)	13% (-4%-32%)
Central Asia	11.1 (9.1-13.5)	11.7 (9.5-14.2)	41% (36%-47%)	276.8 (238.6-318.3)	288.2 (248.7-330.1)	28% (23%-32%)	1.6 (1.2-2)	2 (1.5-2.6)	32% (11%-53%)	77.7 (61-96.7)	85.1 (67.2-105.1)	18% (4%-31%)
Central Europe	8.6 (7.7-9.5)	6.8 (6-7.7)	22% (19%-25%)	239.1 (219.7-259)	179.3 (162.7-197.3)	11% (9%-13%)	2.5 (1.8-3.4)	1.2 (0.9-1.6)	-33% (-42%--22%)	71.2 (56.4-89.8)	43.2 (34.8-53.1)	-37% (-44%--29%)
Eastern Europe	20.5	10.5	34%	646.8	287.9	16%	4.8	1.5	2%	153.8	57.2	-10%

	(18.3-23)	(9.3-11.9)	(29%-38%)	(592.4-709)	(260.3-319.4)	(12%-19%)	(3.8-5.9)	(1.2-1.8)	(-10%-13%)	(129.4-179.1)	(48.8-66.1)	(-18%--2%)
High-income	15.3	6.3	-2%	400.8	165.6	-4%	2.7	0.5	-47%	68.4	21.6	-45%
Asia Pacific	(14-16.8)	(5.7-7.1)	(-5%-0%)	(372-432.8)	(150.8-182.7)	(-6%--2%)	(1.8-3.9)	(0.4-0.7)	(-53%--42%)	(54.8-84.8)	(17.7-26)	(-50%--41%)
Australasia	1.8	5.2	18%	49.8	146.1	15%	1.6	2.9	10%	26.7	57.7	10%
	(1.5-2.1)	(4.2-6.5)	(12%-25%)	(43.7-58)	(124-174)	(11%-21%)	(1.1-2.1)	(2.1-3.8)	(-14%-34%)	(21.4-32.6)	(47.4-68.8)	(-5%-27%)
Western Europe	23.5	4.3	5%	633.6	119.8	4%	12.7	1.2	6%	212.9	26.9	-13%
	(21.4-25.9)	(3.8-4.8)	(2%-8%)	(583.9-689.6)	(108.8-132.9)	(2%-6%)	(8.1-18.9)	(0.8-1.6)	(-6%-20%)	(162.8-275.4)	(21.9-33.1)	(-19%--7%)
Southern Latin America	4.3	6.2	20%	114.6	161.2	12%	1.6	1.9	9%	43.8	56.7	-2%
	(3.5-5.1)	(5.1-7.7)	(14%-27%)	(98.6-132.5)	(137.4-189.2)	(8%-16%)	(1.2-2.2)	(1.4-2.6)	(-1%-20%)	(34.7-54.4)	(45.1-69.9)	(-9%-5%)
High-income North America	29.8	7.4	-1%	847.4	206	2%	11.3	1.8	20%	315.6	62.5	24%
	(27.1-32.7)	(6.6-8.1)	(-4%-3%)	(779.9-918.6)	(187.6-226.9)	(-1%-5%)	(8.3-15.2)	(1.4-2.4)	(1%-42%)	(256-393.5)	(51.2-76.1)	(12%-36%)
Caribbean	5	10.5	49%	125.1	257	34%	2.4	4.7	32%	89.2	178.7	29%
	(4.3-5.8)	(9-12.4)	(40%-57%)	(112.2-139.5)	(229.9-287.4)	(28%-40%)	(1.8-3.2)	(3.5-6.3)	(11%-55%)	(69.4-111.3)	(139.8-222.8)	(10%-50%)
Andean Latin America	5.8	9.4	63%	150.2	237.7	42%	3.4	6	26%	104.9	175.7	9%
	(4.8-7.1)	(7.7-11.4)	(56%-70%)	(127.1-176.5)	(202.3-277.9)	(36%-49%)	(2.4-4.6)	(4.3-8.2)	(2%-54%)	(79.4-135.4)	(132.4-227.5)	(-11%-32%)
Central Latin America	41.1	16.6	58%	965.7	379.3	43%	22.5	9.4	94%	756.2	303.9	81%
	(37.2-45.4)	(15.1-18.3)	(51%-66%)	(881.2-1051)	(347.1-412.5)	(38%-49%)	(17.1-28.9)	(7.2-12.2)	(67%-120%)	(607.7-921.4)	(243.9-372.1)	(59%-104%)
Tropical Latin America	20	9	21%	509.3	216.8	17%	8.9	3.7	-9%	278.2	114.6	-16%
	(18-22.3)	(8.1-10.1)	(17%-25%)	(464.6-561.3)	(197.1-239.6)	(15%-20%)	(7-11)	(2.9-4.6)	(-15%--2%)	(232.2-330.3)	(95.6-135.5)	(-22%--11%)

North Africa and Middle East	77.4 (69.2-86.8)	13.4 (12-14.9)	64% (58%-70%)	1669.2 (1510.2-1844.2)	280.6 (255.5-307.4)	46% (42%-50%)	7.1 (5.2-9.5)	1.7 (1.2-2.3)	-17% (-31%--1%)	346.7 (271-432.8)	64 (50.2-79.8)	-10% (-22%-3%)
South Asia	128.4 (114.8-142.4)	7.3 (6.6-8.1)	10% (7%-12%)	3863.7 (3524.1-4191.2)	214.4 (196.5-232.2)	11% (9%-13%)	47.1 (35.5-60.8)	3.4 (2.5-4.4)	-12% (-27%-8%)	1870.7 (1480.6-2347)	112.9 (89.3-140.2)	-11% (-24%-5%)
Central Sub-Saharan Africa	7.2 (5.2-9.8)	5 (3.9-6.4)	23% (17%-29%)	170.5 (138.2-213)	143.9 (121.1-172.8)	17% (13%-22%)	2.7 (2-3.6)	4.1 (2.9-5.5)	-19% (-35%-0%)	133.9 (101-174.3)	136.3 (101.4-175.9)	-22% (-37%--4%)
Eastern Sub-Saharan Africa	21.3 (18.4-24.6)	4.7 (4.2-5.3)	17% (15%-20%)	534.8 (478.1-596.1)	146 (132.9-159.9)	16% (14%-18%)	9.9 (8-12.2)	5.1 (3.9-6.4)	-12% (-23%-0%)	460.5 (376-558.1)	155.8 (127.8-189.1)	-19% (-29%--5%)
Southern Sub-Saharan Africa	6.7 (5.8-7.8)	8.7 (7.6-10)	24% (20%-28%)	169 (150.5-188.9)	216.5 (194.3-240.6)	22% (19%-24%)	2.8 (2.2-3.6)	4.9 (3.7-6.4)	16% (1%-32%)	109 (87.7-133.4)	156.2 (124.6-189.4)	4% (-9%-16%)
Western Sub-Saharan Africa	38.6 (33.9-43.4)	7.6 (6.8-8.3)	-3% (-7%-0%)	800.5 (724.2-887)	189.3 (173.3-207)	20% (18%-22%)	11.5 (8.7-14.9)	4.6 (3.4-5.9)	-8% (-25%-11%)	600.6 (451.5-777.4)	160.4 (123.3-204.7)	-15% (-31%-3%)

Supplemental Table 5. The incidence, prevalence, deaths and disability-adjusted life-years of CKD due to glomerulonephritis in 2019, and percentage change from 1990 to 2019 in 204 countries and territories.

	Incidence			Prevalence			Deaths			Disability-adjusted life-years		
	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age- standardized rate per 100,000 in 2019 (95% UI)	Change of age- standardized rate between 1990 and 2019 (95% UI)
China	73722.2 (66281-82103)	5.1 (4.6-5.8)	-5% (-8%--1%)	3029967.6 (2764130.1- 3322028.2)	185.3 (168.3-204.2)	0.3% (-2%-3%)	17390 (12363.1- 23823.4)	1 (0.7-1.3)	-24% (-40%--8%)	670006.6 (522610- 839076.3)	37.5 (29.8-46.7)	-31% (-42%--19%)
Democratic People's Republic of Korea	1809.1 (1351.5- 2361.5)	7.1 (5-9.6)	13% (8%-18%)	64721.2 (53348.1- 79008.6)	225.2 (182.3-281)	10% (6%-14%)	330.4 (234.6-473)	1.1 (0.8-1.5)	-14% (-36%-16%)	16460.7 (12398.7- 21954.8)	54.3 (41.4-71.9)	-12% (-32%-12%)
Taiwan (Province of China)	2385.6 (1929.7- 2905.1)	9.2 (7-11.9)	29% (21%-38%)	76999.7 (65142.7- 90700.4)	272.9 (222.1-334)	33% (25%-41%)	468.3 (303.7-711.4)	1.2 (0.8-1.8)	-25% (-42%--6%)	17658.1 (13312.6- 22915.9)	51.9 (39.2-66.4)	-1% (-18%-17%)
Cambodia	1173.2 (792.5-1632.9)	7.1 (4.9-9.8)	35% (29%-43%)	37632.7 (29517.4- 45748.0)	228.8 (182.6-289.1)	24% (19%-31%)	114.8 (81.2-157.1)	0.9 (0.6-1.2)	-27% (-46%--7%)	8084.7 (6126.9- 10042.5)	50.3 (38.3-64.2)	-24% (-40%--4%)

				48303.6)						10462.1)		
	21146.3		32%	744052.7		24%			-12%	175999.8		-11%
Indonesia	(18609.5- 23807.5)	8.5 (7.5-9.6)	(28%-36%)	(671973.2- 818591.4)	273 (247.2-299.4)	(21%-27%)	2815.9 (2118.3-3768)	1.3 (1-1.7)	(-28%-6%)	(137687.9- 220426.9)	66.8 (52.7-83.4)	(-25%-5%)
Lao People's Democratic Republic	690.4 (466-952.1)	9.7 (6.9-12.9)	28% (23%-33%)	19331.8 (15010.7- 24613.6)	276.3 (220.8-341.3)	25% (20%-31%)	84.1 (56.9-117.2)	1.7 (1.2-2.4)	-26% (-45%--2%)	5279.9 (3869.9- 7082.8)	80.5 (60-107)	-25% (-42%--2%)
Malaysia	2754 (2044.2- 3630.2)	9.1 (6.7-12)	46% (39%-53%)	84228.3 (66975.7- 104166.5)	260.7 (208.6-320.3)	32% (26%-40%)	233.2 (159-334.7)	0.9 (0.6-1.3)	-4% (-26%-20%)	14870.3 (11304.5- 19344.3)	47.7 (36.5-61.4)	7% (-10%-25%)
Maldives	45.7 (32.9-61.2)	9.9 (7.4-12.9)	38% (30%-49%)	1467.5 (1142.2- 1872.9)	277.5 (222.4-343.9)	27% (20%-33%)	3.8 (2.7-5.2)	1.3 (0.9-1.8)	-45% (-59%--31%)	241.8 (179.8-318)	51.7 (40.2-66.7)	-38% (-51%--25%)
Myanmar	5523.3 (3775.9- 7770.1)	10.2 (6.9-14.3)	29% (23%-36%)	163647.1 (128642.4- 204499.1)	293.4 (231.6-363.7)	27% (22%-32%)	627.5 (439.8-875.4)	1.3 (0.9-1.8)	-24% (-45%-6%)	43627.4 (32590.6- 58683.4)	79.6 (60.3-106.4)	-19% (-39%-9%)
Philippines	12815.9 (11622.4- 14276)	11.4 (10.4-12.6)	53% (50%-56%)	335853.6 (307430- 368605.9)	306.9 (281.7-335.1)	35% (32%-38%)	2123.1 (1516.6- 2815.3)	2.5 (1.8-3.4)	16% (-7%-42%)	111504.1 (87076.5- 142616.8)	108.7 (85.2-138.4)	28% (8%-49%)
Sri Lanka	2200.6 (1670-2828)	9.9 (7.3-13.2)	39% (32%-47%)	64817.5 (53747.9- 76499.1)	278.6 (226.4-339.3)	29% (23%-35%)	211.1 (138.2-317)	0.9 (0.6-1.4)	-16% (-38%-13%)	11884.5 (8747-15607)	50.7 (37.5-66.7)	-2% (-20%-21%)

				77523.8)								
	7895.5		18%	238894.8		10%			-19%	45378.5		-22%
Thailand	(6277.1-9786.9)	10.9 (8-14.5)	(10%-29%)	(196214.1-282861.7)	299.3 (238.7-367.4)	(5%-16%)	1020.9 (678.2-1471.6)	1.1 (0.7-1.6)	(-42%-10%)	(34051.3-59500.9)	53.5 (40.7-69.7)	(-39%--2%)
	106.2	8	35%	2912.7	244.3	25%	10.9	1.3	-8%	648	57.4	-9%
Timor-Leste	(72.2-152.2)	(5.8-10.9)	(29%-40%)	(2245.6-3753.6)	(194.4-303.4)	(20%-31%)	(7-15.4)	(0.8-1.8)	(-33%-22%)	(440.5-859.3)	(40.1-76.3)	(-33%-19%)
	6437.2	6.9	43%	236325.8	227.2	26%	900.6	1.1	-11%	47079.1	47.5	-5%
Viet Nam	(4678.3-8768.3)	(4.9-9.6)	(35%-51%)	(186849-297562.7)	(178.6-284.4)	(20%-32%)	(630.9-1232.3)	(0.7-1.5)	(-38%-16%)	(34920.6-60987)	(35.3-60.9)	(-25%-18%)
	106.1	11.7	25%	3070.1	332.7	21%	21.9	3.1	33%	1105	127.1	30%
Fiji	(74.8-142.8)	(8.3-15.6)	(19%-31%)	(2480.1-3773.4)	(270-407.6)	(16%-27%)	(14.9-31.6)	(2.2-4.4)	(-2%-76%)	(811.6-1475.3)	(94.4-168.1)	(4%-65%)
	14.7	11.9	28%	364.6	320.3	23%	3.2	4.1	26%	177.3	173.7	24%
Kiribati	(9.5-21.9)	(8-17.2)	(23%-33%)	(279.9-464.4)	(254.4-397.6)	(19%-28%)	(2.1-4.8)	(2.8-5.8)	(-9%-65%)	(126.8-242.6)	(124.9-235.9)	(-4%-57%)
	6.6	11.7	34%	174.5	312.2	27%	1.5	3.9	35%	78.2	156.1	37%
Marshall Islands	(4.5-9.4)	(8.2-16)	(29%-39%)	(138.1-219.8)	(251.9-386.3)	(22%-32%)	(0.9-2.2)	(2.6-5.8)	(4%-73%)	(54.5-111.4)	(110.5-221.4)	(8%-69%)
	15	14.7	45%	372.1	370.1	36%	4	5.5	51%	194.5	212.5	47%
Micronesia (Federated States of)	(10.2-20.8)	(10.3-20.2)	(39%-51%)	(297.7-466.2)	(301.3-453.5)	(30%-41%)	(2.4-6)	(3.5-7.8)	(3%-113%)	(128.5-275.8)	(143-298.4)	(1%-99%)

Papua New Guinea	785.5 (495.9-1194.9)	7.1 (4.9-10.2)	29% (23%-35%)	21467.5 (16271.3-27920.5)	231.5 (182.7-288.5)	22% (17%-28%)	78.5 (52.1-114.2)	1.2 (0.8-1.7)	15% (-11%-47%)	5769.8 (4174.4-7673)	64.9 (48.2-86)	19% (-2%-44%)
Samoa	23.8 (16.7-33)	11.9 (8.7-16)	33% (28%-39%)	639.3 (512.7-790.8)	324.1 (267.5-394.4)	25% (20%-30%)	4.7 (3.2-6.8)	3.1 (2.2-4.5)	18% (-14%-61%)	226.5 (161.6-311.8)	127.2 (91.4-175)	22% (-8%-63%)
Solomon Islands	79.3 (50.9-118.8)	11.3 (7.7-16.3)	4% (0%-8%)	1863.1 (1470.6-2403.3)	309.9 (253-388.9)	12% (8%-15%)	9.2 (6.3-13.3)	2.1 (1.5-2.9)	-42% (-58%--20%)	641 (463.7-860.9)	116 (85.7-153.2)	-31% (-48%--10%)
Tonga	11.4 (7.7-16)	11.3 (8-15.5)	39% (33%-45%)	304.3 (241.9-381.5)	318.8 (259.5-392.4)	28% (23%-33%)	2.3 (1.6-3.4)	2.8 (1.9-4.2)	47% (12%-94%)	101.1 (73.9-139.6)	114.2 (83.9-157.6)	45% (17%-82%)
Vanuatu	28.3 (18.1-41.3)	9.6 (6.5-13.4)	39% (33%-45%)	754.5 (590.4-985.3)	280.1 (225.3-353.1)	27% (22%-33%)	6 (3.9-8.8)	3.2 (2.1-4.7)	66% (17%-136%)	304.5 (210.9-418.2)	128 (90.8-178.5)	63% (19%-119%)
Armenia	272.1 (195.5-369.2)	9.4 (6.3-13.3)	57% (45%-71%)	8108.7 (6454.6-10098.2)	249.4 (193.5-315.9)	31% (24%-38%)	51.6 (35.4-73.4)	1.3 (0.9-1.8)	268% (207%-337%)	1655.3 (1275.8-2093.7)	46.2 (35.5-57.2)	160% (119%-218%)
Azerbaijan	1153.7 (814.2-1632.7)	11.6 (7.9-16.8)	53% (44%-64%)	32609.7 (26053.8-41571.7)	295.5 (233.8-381.2)	35% (28%-42%)	191.8 (139-257.3)	2.2 (1.6-3)	56% (23%-91%)	8899.4 (6845-11391.8)	85.7 (67-108.5)	24% (5%-48%)
Georgia	344.7 (252.3-459.2)	10 (7-13.9)	49% (39%-61%)	9999.2 (8254.8-	258.7 (206.5-332.1)	28% (22%-35%)	85.7 (60.3-117.3)	1.5 (1.1-2.1)	77% (43%-114%)	2793.1 (2129.5-	62 (47.7-78.6)	54% (32%-81%)

				12386.6)						3559.3)		
Kazakhstan	1924.4 (1305.5- 2715.1)	10.4 (7-14.9)	36% (27%-45%)	50290.6 (39746.8- 62823.7)	264.8 (208.5-331.9)	21% (16%-27%)	254 (184.8-336.7)	1.5 (1.1-2)	34% (9%-62%)	11058.1 (8531.3- 13925.4)	59.5 (46-74.2)	4% (-13%-20%)
Kyrgyzstan	765.6 (505.6-1114.2)	11.3 (7.6-16.2)	16% (8%-24%)	18132 (13972.4- 23289.9)	276.6 (217-351.5)	11% (5%-16%)	82.8 (60.3-111.2)	1.5 (1.1-2)	-30% (-41%--16%)	4567 (3451.3- 5897.9)	72.7 (55.4-93.4)	-33% (-44%--22%)
Mongolia	409.3 (273.7-577.6)	11.8 (7.9-16.6)	20% (12%-28%)	9853.5 (7534.7- 12653)	281.8 (217.1-360.7)	15% (10%-21%)	64.1 (43.8-90.1)	2.5 (1.8-3.5)	-51% (-62%--36%)	3137 (2262.8- 4251.7)	95.8 (69.8-127.2)	-48% (-59%--33%)
Tajikistan	850.5 (531.9-1277.5)	8.5 (5.6-12.3)	49% (40%-60%)	21585.6 (16381.5- 28170.3)	231.7 (179.9-292.9)	28% (21%-35%)	66.5 (48-90.8)	1.3 (0.9-1.7)	157% (101%-220%)	4013.2 (3023.1- 5241.1)	49.3 (37.7-63)	78% (49%-112%)
Turkmenistan	695.1 (455.1-997.7)	13.3 (8.8-19.1)	52% (42%-63%)	16777 (13219.3- 21583.2)	323.8 (257.4-414.1)	37% (29%-46%)	112.5 (80.9-155.7)	2.5 (1.8-3.5)	24% (-1%-54%)	5741.9 (4256.3- 7481.6)	115.1 (86.3-149.6)	21% (0%-47%)
Uzbekistan	4665.7 (3148.1- 6527.2)	13.4 (9.2-18.4)	35% (30%-40%)	109416.3 (84935.9- 138371.7)	317.7 (249.8-395.6)	27% (22%-32%)	647 (464-860.8)	2.7 (2-3.6)	24% (-10%-56%)	35831.5 (27041.2- 46047.4)	113 (86.3-142.6)	16% (-9%-40%)
Albania	219.7 (167.9-279.6)	8 (5.7-10.7)	37% (30%-46%)	5852.6 (4814.9- 6890.5)	199.2 (159.7-244.2)	22% (16%-28%)	44.4 (28.7-65.3)	1.2 (0.8-1.7)	-31% (-49%--9%)	1633.1 (1210.6- 2055.6)	52 (38.7-68.4)	-24% (-41%--5%)

				6944.3)						2183.7)		
Bosnia and Herzegovina	259.7 (208.4-316.5)	6.9 (5.3-9)	44% (36%-54%)	7059.9 (5921.9-8333.2)	178.9 (144.5-220)	23% (18%-29%)	84.9 (54-124.1)	1.5 (1-2.2)	8% (-16%-36%)	2455.5 (1804.6-3314.4)	51.1 (38.8-67.2)	0% (-18%-20%)
Bulgaria	677.9 (532.7-836.1)	9.4 (6.8-12.4)	58% (48%-70%)	17405 (14763.3-20230.3)	218.2 (175.7-266.8)	34% (26%-43%)	279.8 (186.8-395.9)	2.3 (1.6-3.1)	103% (61%-153%)	8467.6 (6084.8-11343.5)	87.8 (64.4-114.6)	79% (47%-119%)
Croatia	351.5 (284.2-424.8)	7 (5.3-9)	34% (26%-44%)	9222 (7860.2-10851.7)	178.5 (146-220.4)	17% (12%-22%)	116.2 (73.7-172.6)	1.3 (0.8-1.8)	18% (-9%-51%)	2692.4 (1991.5-3606.6)	38.4 (29.6-49.6)	1% (-16%-21%)
Czechia	782.4 (623.5-981.3)	6.5 (4.7-8.6)	28% (21%-36%)	22059.3 (18794.9-25899.3)	174.4 (142.6-214.5)	15% (10%-20%)	147.4 (98.3-214.5)	0.7 (0.5-1)	-38% (-52%--23%)	4321.6 (3282.7-5613.1)	27.5 (21.2-35.3)	-36% (-46%--25%)
Hungary	724.7 (577.9-886.8)	6.7 (4.9-8.8)	47% (38%-58%)	19901.4 (16583.9-23755.3)	174.3 (137.4-214.4)	23% (17%-29%)	151.1 (101.6-219.4)	0.8 (0.6-1.1)	22% (-2%-52%)	4213.3 (3233.4-5468.6)	30.1 (23.5-38.1)	1% (-13%-17%)
North Macedonia	203.6 (162.1-252.3)	8.5 (6.4-11)	47% (39%-57%)	5095.6 (4265.8-6081.3)	202.3 (163.2-251.3)	25% (19%-32%)	50 (32.6-73.6)	1.7 (1.2-2.4)	1% (-23%-30%)	1657.2 (1222.7-2217.4)	58.4 (44.1-76)	-4% (-22%-19%)
Montenegro	60.6 (47.7-75.7)	8.9 (6.7-11.7)	22% (16%-30%)	1471.6 (1244.9-	207.5 (168.7-254.2)	11% (7%-15%)	20.1 (14-28.1)	2.2 (1.6-3)	3% (-18%-27%)	588.9 (447.8-774.1)	72 (56.1-93.3)	-5% (-21%-13%)

				1746.4)								
Poland	2592.2 (2290-2938.5)	6.3 (5.5-7.3)	-2% (-4%-1%)	77088.5 (70143.3-84392.6)	175.5 (157.8-193.8)	-2% (-5%-0%)	659.5 (457.4-898.8)	1 (0.7-1.3)	-48% (-57%--38%)	18549.7 (14760.9-23250)	34.5 (27.9-42.3)	-53% (-60%--46%)
Romania	1431.7 (1130-1810.2)	6.8 (5-9.3)	32% (25%-41%)	40636.4 (34740.9-47850.1)	179.2 (145.9-220)	16% (11%-22%)	541 (368.8-748.7)	1.5 (1.1-2.1)	-54% (-64%--41%)	15835.7 (11980.1-20133)	55.5 (43.5-68.8)	-52% (-61%--43%)
Serbia	679.4 (553.2-830.3)	6.5 (5-8.4)	35% (26%-45%)	17684.9 (14938.6-20932.5)	166.2 (135.5-205.6)	14% (9%-20%)	308.8 (198-460.2)	2 (1.3-2.9)	0% (-24%-27%)	7472 (5362.8-10324.6)	54.8 (41-73)	-13% (-30%-5%)
Slovakia	438.1 (344-551.6)	7.2 (5.3-9.6)	24% (17%-31%)	11489.9 (9572.6-13761.4)	181 (145.2-226.4)	12% (7%-17%)	75.7 (50.1-111.9)	0.9 (0.6-1.3)	-39% (-53%--22%)	2492.9 (1860.4-3277.8)	33.5 (25.5-43.2)	-36% (-47%--23%)
Slovenia	144.2 (116.3-176.4)	6.1 (4.6-8.1)	38% (30%-47%)	4178.3 (3565-4941.8)	169.1 (137.1-210.7)	18% (13%-23%)	32 (19.5-49)	0.7 (0.4-1)	-43% (-62%--18%)	776.5 (567.5-1023.4)	23.3 (17.4-30.3)	-33% (-48%--15%)
Belarus	693.4 (512.3-916.2)	7.8 (5.2-11)	41% (31%-52%)	24351.2 (19745.4-30014)	234.9 (182-303.6)	20% (15%-27%)	135 (95.2-185)	0.9 (0.6-1.2)	50% (18%-90%)	4237 (3249.1-5406.2)	34.4 (26.9-43.2)	63% (37%-99%)
Estonia	118.1 (89-152.3)	9.2 (6.4-12.9)	49% (40%-60%)	3803.8 (3137.4-4596.6)	264.2 (208.1-331.6)	25% (19%-31%)	62.8 (39.1-92.1)	2.1 (1.4-3)	281% (197%-374%)	1194.4 (864.8-1612.2)	54.6 (41.1-70.3)	137% (92%-196%)

Latvia	147.3 (111.7-188.1)	8.2 (5.7-11.2)	48% (39%-59%)	5205.2 (4315.8- 6290.6)	250 (197.2-317.1)	25% (19%-30%)	66.2 (45.9-91.3)	1.7 (1.2-2.2)	172% (126%-232%)	1552.6 (1196.1- 1982.6)	53.7 (42.8-66.2)	134% (98%-181%)
Lithuania	202.1 (154.5-262.2)	7.9 (5.4-10.9)	28% (21%-37%)	7348.3 (6106.9- 8944.4)	244 (192-309.8)	16% (12%-22%)	69 (48.4-92.7)	1.2 (0.9-1.6)	71% (39%-110%)	1739 (1355.4- 2181.1)	42.4 (33.7-52.8)	62% (37%-92%)
Republic of Moldova	230.3 (169.1-306.4)	6.6 (4.6-9.3)	55% (45%-65%)	8930 (7197.3- 11097.6)	213.5 (166.9-271.9)	25% (18%-32%)	68.1 (52.3-85.7)	1.3 (1-1.6)	68% (41%-100%)	2323.6 (1885.7- 2777.4)	50.3 (41.2-59.7)	81% (58%-107%)
Russian Federation	16240.5 (14433.4- 18167.7)	11.7 (10.4-13.2)	28% (23%-33%)	485827.9 (445238.5- 528555.2)	311.7 (282-343.6)	12% (8%-16%)	3668.9 (2882-4525.2)	1.7 (1.3-2)	-14% (-27%--1%)	117030.7 (96976- 138458.7)	62.2 (52.1-73.5)	-27% (-34%--18%)
Ukraine	2856 (2141.4- 3713.8)	7.2 (5-10.1)	47% (37%-58%)	111373.4 (90211.6- 138551.4)	229.8 (178.7-292.3)	23% (17%-30%)	760.2 (588.8-954.8)	1.2 (0.9-1.4)	93% (60%-134%)	25708.2 (20723.4- 31019.9)	46.9 (37.8-56.7)	121% (87%-164%)
Brunei Darussalam	35.5 (26.3-46.1)	8.6 (6.4-11.1)	4% (0%-9%)	962 (757.8-1200.6)	209.9 (168.4-258.6)	3% (-1%-7%)	8.2 (6.1-10.9)	2.7 (2-3.5)	-8% (-23%-12%)	353 (271.7-453.1)	85.9 (67.3-108.6)	-14% (-27%-4%)
Japan	11669.5 (10630.1- 12853.8)	6.9 (6.2-7.7)	3% (1%-6%)	299088.9 (276815- 323489.2)	178.8 (163.3-196.9)	0% (-2%-1%)	2243.9 (1467.8- 3325.7)	0.6 (0.4-0.8)	-36% (-42%--31%)	54241.5 (42148.3- 68770.9)	23.6 (18.9-28.9)	-25% (-31%--20%)

Republic of Korea	3180.3 (2616.7-3826.7)	4.9 (3.9-6.3)	-8% (-14%--1%)	86970.4 (73456.2-103110.4)	132.6 (107.5-164.7)	-8% (-13%--3%)	367.8 (274.4-498.4)	0.4 (0.3-0.6)	-69% (-76%--60%)	11190.6 (9172.1-13597.2)	15.2 (12.4-18.4)	-74% (-78%--70%)
Singapore	441.1 (357.1-536.9)	6.7 (5.2-8.5)	-1% (-6%-7%)	13770 (11525.4-16554.1)	199 (162.4-244.5)	-1% (-5%-3%)	69.6 (51.6-92.6)	1 (0.7-1.3)	-43% (-50%--35%)	2568.5 (2053.7-3206.5)	36.1 (29.4-44.3)	-44% (-50%--37%)
Australia	1478.6 (1209.5-1791.6)	5 (3.9-6.5)	19% (12%-27%)	42090.2 (36248.2-49758.7)	145.4 (120-177.3)	16% (10%-23%)	1337.3 (919.4-1812)	2.9 (2-3.8)	6% (-21%-34%)	22040.1 (17460.9-27238)	55.9 (45.3-67.4)	7% (-10%-26%)
New Zealand	307.8 (255.9-362.9)	5.8 (4.7-7.2)	16% (10%-22%)	7737.4 (6684.6-8800.6)	150 (126.1-175.1)	13% (9%-18%)	245.7 (186.8-310.2)	3 (2.3-3.8)	30% (14%-49%)	4643.2 (3852-5497.8)	66.9 (56.8-78.1)	25% (12%-40%)
Andorra	3.9 (3.3-4.7)	4 (3.1-5.1)	3% (-3%-9%)	113.3 (96.3-133.7)	111.1 (90.1-136)	1% (-4%-5%)	1.7 (1.1-2.6)	1.1 (0.7-1.7)	-15% (-40%-15%)	34.3 (25.1-45.5)	26.9 (20-35)	-15% (-36%-9%)
Austria	527.7 (433.7-643.8)	4.6 (3.5-5.9)	18% (11%-27%)	14095.6 (11980.2-16349.2)	127.3 (103.5-154.9)	14% (9%-19%)	388.6 (248.2-582.5)	1.8 (1.2-2.6)	109% (78%-146%)	6053 (4579.6-7940.1)	37.2 (29.6-46.8)	42% (27%-60%)
Belgium	618.6 (509.4-745.8)	4.4 (3.4-5.5)	6% (0%-13%)	16281.9 (13817.4-19027.4)	118.9 (97.7-144.5)	4% (0%-9%)	259 (164.6-394.4)	0.9 (0.6-1.4)	-1% (-14%-15%)	4652.1 (3579.7-6016.8)	23.7 (18.9-29.5)	-11% (-20%--2%)

Cyprus	76.7 (62.6-92.7)	4.9 (3.9-6.1)	8% (3%-13%)	1901 (1592.5- 2256.3)	121.7 (100.5-148.3)	4% (0%-9%)	37.3 (23.6-55.8)	2.2 (1.4-3.2)	-39% (-49%--25%)	711.9 (531-946.9)	39.8 (30.3-52.3)	-36% (-46%--24%)
Denmark	326.9 (265.5-392.4)	4.5 (3.4-5.6)	13% (6%-21%)	8650.2 (7298.6- 10159.9)	124.2 (100.4-152.5)	10% (5%-15%)	123.2 (81.3-175.3)	1 (0.7-1.4)	76% (49%-104%)	2565.8 (1979.8- 3239.4)	27.4 (21.7-33.9)	25% (12%-40%)
Finland	233.8 (190-281.7)	3.3 (2.5-4.2)	20% (14%-27%)	7166.8 (6157.6- 8334.9)	107.3 (88.5-132.4)	14% (9%-20%)	75.2 (48.1-112.3)	0.5 (0.4-0.8)	40% (17%-63%)	1525.4 (1191.2-1955)	16.6 (13.3-20.6)	11% (1%-22%)
France	3348.1 (2708.3- 4076.8)	4 (3.1-5.2)	12% (5%-20%)	91118 (77900.7- 107181.1)	116.1 (94.6-142.1)	9% (4%-14%)	1296.9 (782.6-1959.4)	0.7 (0.5-1.1)	-21% (-30%--10%)	22932.6 (17591.1- 29526.6)	19.9 (16-24.6)	-17% (-24%--10%)
Germany	5543.6 (4620.5- 6528.3)	4.9 (3.8-6.3)	8% (2%-15%)	130540.5 (112508.8- 150614.4)	122.5 (100.9-150.1)	4% (0%-8%)	4038.5 (2472.7- 6180.3)	1.7 (1.1-2.6)	74% (40%-118%)	60876.2 (43088.7- 83007.8)	34.6 (26.2-44.6)	11% (-3%-28%)
Greece	650.7 (539.7-778.3)	4.7 (3.7-6.1)	-2% (-6%-2%)	18234.1 (14945.4- 22132.3)	137.3 (108.1-177.2)	0% (-4%-5%)	506.9 (325.6-754.1)	1.8 (1.2-2.5)	-26% (-34%--18%)	8647.1 (6460.1- 11519.2)	41.8 (33.2-52.5)	-23% (-29%--16%)
Iceland	14 (11.3-17.3)	3.6 (2.8-4.6)	2% (-4%-9%)	427.6 (358.6-510.9)	109.3 (88.9-133.7)	8% (3%-13%)	4 (2.6-5.8)	0.6 (0.4-0.9)	13% (-3%-30%)	87.4 (68-111.5)	18 (14.3-22.4)	2% (-8%-13%)

Ireland	312.5 (256.9-382.3)	5.7 (4.5-7.3)	8% (-6%-23%)	7910.6 (6804.3- 9284.1)	145.1 (120.5-175.5)	6% (-4%-16%)	77.6 (50.3-113.5)	1 (0.7-1.4)	-23% (-34%--11%)	1633.6 (1244.3-2106)	24.7 (19.3-31.2)	-25% (-33%--15%)
Israel	551.6 (441.4-688.6)	5.5 (4.3-7)	10% (4%-18%)	12715.1 (10584.9- 15213.1)	132 (108.3-160.6)	6% (1%-11%)	228.6 (154-324)	1.8 (1.3-2.6)	-6% (-16%-4%)	4618.9 (3563.2- 5879.7)	42.3 (33-52.9)	-8% (-15%-0%)
Italy	3068.3 (2748.5- 3409.6)	3.8 (3.4-4.3)	-5% (-7%--2%)	89531 (81638.8- 97416.7)	117.9 (106.2-131.1)	-3% (-5%--2%)	1966.8 (1220.2- 2911.8)	1.1 (0.7-1.6)	-20% (-30%--10%)	32464.1 (24411.5- 41892)	27.3 (22.3-33.1)	-31% (-36%--26%)
Luxembourg	32 (26.3-38.3)	4.4 (3.4-5.5)	11% (5%-18%)	869 (733.1-1032.2)	118.4 (97.2-145.7)	5% (1%-10%)	12.7 (8.2-19)	1.1 (0.8-1.7)	-2% (-16%-14%)	251.6 (191.3-328.4)	27.7 (21.7-35.2)	-9% (-19%-3%)
Malta	28 (23-34.1)	4.8 (3.7-6.2)	12% (6%-19%)	691.5 (588.3-808.9)	126.8 (102.7-157.8)	6% (2%-11%)	11.9 (7.8-17.2)	1.2 (0.8-1.8)	-21% (-33%--7%)	245 (187.8-322.3)	33.2 (26.3-41.5)	-12% (-21%-0%)
Netherlands	882.1 (729.3-1053.3)	3.9 (3-5)	12% (5%-20%)	25850.3 (21749- 30302.9)	124.2 (101.2-154.5)	9% (5%-13%)	358.2 (236.4-523.5)	1 (0.7-1.4)	11% (-2%-27%)	6497.9 (5000.4- 8408.7)	22.5 (17.9-28.1)	-2% (-11%-8%)
Norway	222.8 (200.1-249.4)	3.4 (3-3.9)	20% (15%-26%)	7298.7 (6677-7961.7)	115.4 (104.6-127.1)	17% (14%-20%)	115.9 (74.5-165.5)	1.1 (0.7-1.5)	30% (14%-47%)	2076.2 (1616.4- 2610.3)	24.8 (20.2-30)	2% (-5%-10%)
Portugal	555.4	3.8	2%	15749.5	115.1	4%	422.9	1.5	-8%	7042.4	34.4	-27%

	(456.1-667.2)	(3-4.8)	(-4%-9%)	(13635.3-18160.3)	(96.2-140.1)	(-1%-9%)	(267.9-638.5)	(1-2.2)	(-22%-6%)	(5258.5-9413.6)	(27.6-43)	(-35%--18%)
Spain	2124.1 (1742.5-2526.5)	3.4 (2.7-4.2)	-16% (-22%--10%)	57064 (48669-66588.9)	97.7 (80.2-120.7)	-7% (-13%--2%)	1420.3 (892.8-2168.7)	1.2 (0.8-1.7)	-33% (-42%--22%)	20819.7 (15620.7-28030.8)	23.2 (18.3-29.2)	-44% (-49%--37%)
Sweden	391.2 (329.1-458.7)	2.9 (2.3-3.4)	-1% (-8%-7%)	15069.4 (13057.3-17820.5)	120.2 (100.6-147.7)	1% (-4%-6%)	265.6 (171.8-382.2)	1.1 (0.7-1.5)	69% (47%-91%)	4426.2 (3395.4-5740.9)	23.9 (19.2-29.6)	18% (8%-30%)
Switzerland	470.4 (389.9-568.3)	4.3 (3.4-5.7)	5% (-1%-11%)	12629.7 (10781.4-14915.7)	120 (98-149.9)	1% (-3%-5%)	178.9 (107.9-281.7)	0.8 (0.5-1.2)	55% (28%-86%)	2928.9 (2168.2-3879.9)	19 (14.7-24.2)	8% (-5%-23%)
United Kingdom	3463 (3149-3838.7)	4.5 (4-5.1)	10% (7%-14%)	98993.9 (90555.1-107907.2)	129.5 (117.6-143.1)	8% (5%-11%)	898.5 (597.8-1292.6)	0.7 (0.5-0.9)	-8% (-16%-0%)	21644.2 (17374.7-26495.7)	22.2 (18.3-26.8)	-10% (-14%--6%)
Argentina	2748.3 (2140.7-3499.7)	6 (4.6-7.8)	13% (7%-21%)	74895.6 (61582.8-91487)	157.9 (128.4-195.2)	8% (4%-13%)	1186 (854.3-1634.8)	2.2 (1.6-3)	9% (-2%-22%)	32428.8 (25675.8-40515.7)	64.1 (50.5-79.6)	-3% (-11%-6%)
Chile	1313.4 (1054.6-1644)	6.9 (5.3-9.2)	38% (29%-48%)	34278.5 (28292.6-41649.3)	172.7 (138.4-214.9)	23% (16%-29%)	376.5 (270.2-525.1)	1.6 (1.2-2.2)	24% (11%-39%)	10074.5 (7953.8-12647.8)	45.4 (36.1-56.9)	7% (-3%-17%)
Uruguay	194.5	5.4	18%	5435.5	146.9	10%	55.5	0.9	-18%	1304.6	29	-18%

	(154.8-239.8)	(4-6.9)	(12%-25%)	(4464.7-6590.6)	(117.4-182.9)	(5%-16%)	(40.4-76.4)	(0.7-1.3)	(-35%-3%)	(1076.2-1601.5)	(23.7-35.2)	(-30%--3%)
Canada	2129 (1735.2-2597.7)	5 (3.7-6.5)	5% (-4%-14%)	62410.1 (53344.5-75073.9)	148.8 (121.6-186.6)	7% (2%-13%)	846.7 (594.1-1184.5)	1.2 (0.9-1.6)	14% (2%-28%)	18560.8 (14951.2-23427.1)	33.6 (27.5-41.1)	13% (4%-22%)
United States of America	27630.7 (25129.2-30326.2)	7.6 (6.9-8.4)	-1% (-5%-2%)	784893.9 (724144.2-853245.7)	212.4 (193.6-234.5)	1% (-2%-4%)	10481.7 (7640.9-14143.4)	1.9 (1.4-2.5)	21% (1%-45%)	297024.1 (239749.8-370912.6)	65.9 (53.8-80.4)	25% (12%-38%)
Antigua and Barbuda	11.6 (9-15.1)	13 (9.7-17.6)	48% (41%-56%)	376.1 (297.1-470.5)	404.7 (310.8-526.8)	58% (47%-68%)	6.5 (4.7-8.9)	6.6 (4.9-8.9)	36% (12%-63%)	219.4 (169.7-281.9)	215.5 (167.9-273.7)	29% (9%-54%)
Bahamas	45.4 (33.8-59.3)	12.3 (8.8-16.5)	46% (39%-53%)	1198 (985.7-1438.4)	296.1 (240.6-359.6)	37% (30%-43%)	22.8 (16.7-30.7)	5.7 (4.2-7.8)	21% (-3%-53%)	893.7 (683.6-1164.7)	213.9 (164.6-275.3)	23% (0%-51%)
Barbados	34.7 (27.2-43.6)	11.5 (8.3-15.5)	46% (39%-53%)	925.6 (774.1-1090.6)	280.7 (229.1-341.9)	35% (28%-41%)	20.3 (14.4-27.7)	4.4 (3.2-6)	33% (8%-60%)	629.4 (481.6-823.8)	158.6 (123.6-203.6)	30% (9%-55%)
Belize	51.9 (36.2-72.4)	13.2 (9.5-18.1)	59% (48%-70%)	1268.9 (1002-1588.4)	313.7 (253.5-383)	46% (37%-55%)	23.8 (17.9-30.8)	7.7 (5.7-10.2)	82% (54%-117%)	997.7 (791.6-1228.7)	276.9 (218.1-346.6)	82% (55%-114%)
Cuba	1165.1 (897.5-1468)	10 (7.1-13.4)	52% (44%-62%)	30915.4 (26358.4-36560.6)	243.6 (198.8-300.7)	34% (27%-41%)	486.5 (347-671.1)	2.8 (2-3.8)	66% (31%-106%)	15884.2 (12047.1-20690.4)	104 (80.8-131.9)	43% (19%-73%)
Dominica	9.5	14.6	39%	248.6	346.7	36%	7.4	8.6	33%	239.4	302.5	35%

	(7.2-12.7)	(10.5-20.3)	(34%-45%)	(203.2-305.4)	(275.9-434.7)	(30%-43%)	(5.3-10.2)	(6.3-11.8)	(5%-67%)	(180.1-316.4)	(228.9-394.5)	(8%-69%)
Dominican Republic	1110.9 (779.1-1522.8)	10.2 (7.3-13.9)	69% (59%-79%)	27270.6 (21384.9-33801.7)	250.1 (197.7-307.3)	46% (38%-55%)	478.1 (318.7-693)	4.9 (3.3-7.1)	63% (18%-122%)	18887 (13313.2-26064.5)	181.1 (127.2-251.5)	50% (11%-101%)
Grenada	15.2 (11.4-19.7)	14.8 (10.9-19.6)	60% (52%-70%)	366.6 (302.2-439.4)	334.4 (271.6-407.3)	48% (40%-55%)	9.5 (7.1-12.3)	8.6 (6.5-11.1)	29% (11%-48%)	331.8 (262.8-412.3)	291.5 (234.4-358.1)	26% (9%-45%)
Guyana	98.4 (71.1-135)	12.9 (9.3-17.7)	56% (49%-64%)	2340.2 (1844.4-2880.8)	300.5 (239-366.2)	43% (36%-50%)	60.4 (40.9-86.5)	9 (6.2-12.8)	61% (20%-110%)	2374.8 (1716.4-3252.3)	320.4 (231.7-438.5)	60% (22%-107%)
Haiti	1142.6 (773.8-1621.2)	9.3 (6.7-12.6)	33% (29%-39%)	27460.8 (21384.7-34454.2)	234 (189.9-287)	28% (23%-33%)	544.3 (360.6-860)	6.7 (4.2-10.9)	-5% (-28%-24%)	24450.5 (17157.1-35267.6)	241.1 (168.9-359.5)	-8% (-29%-17%)
Jamaica	308.1 (229.7-411)	11.3 (8.3-15.4)	37% (32%-43%)	8086.1 (6538.3-9994.3)	274.6 (222.1-341.2)	29% (25%-34%)	169 (119.4-233.3)	5.6 (3.9-7.8)	40% (8%-79%)	6002.7 (4429.6-7871)	201 (148.1-264.2)	51% (21%-88%)
Saint Lucia	22.6 (17-29.2)	12.9 (9.4-17.4)	50% (43%-57%)	576.2 (474.8-694.6)	300.8 (243.4-369.2)	38% (31%-45%)	13.3 (9.8-18)	6.3 (4.7-8.5)	11% (-8%-35%)	465.5 (356.3-594.1)	224.3 (174.2-284)	16% (-2%-38%)
Saint Vincent and the Grenadines	13.8 (10.3-17.8)	12.3 (8.9-16.4)	48% (41%-55%)	355 (291.3-423.7)	296.2 (238.4-359.3)	37% (30%-45%)	8.6 (6.4-11.4)	6.6 (5-8.6)	42% (20%-69%)	302.9 (234.4-379.8)	235.7 (184.1-293.3)	42% (22%-68%)

Suriname	98.5 (67.4-139.3)	18 (11.8-26)	71% (60%-85%)	1847.5 (1492.5-2244.5)	310.7 (246.9-380.7)	39% (32%-47%)	50.3 (36.7-69.1)	8.4 (6.2-11.4)	51% (21%-84%)	1788.3 (1358.7-2345.8)	292.4 (225.5-378.6)	44% (18%-77%)
Trinidad and Tobago	178.8 (136.4-227.6)	12.8 (9.2-17)	55% (45%-64%)	4515.8 (3750.4-5377.3)	299.7 (241-366.3)	41% (34%-49%)	119 (78.6-178)	6.6 (4.4-9.7)	61% (17%-110%)	3964 (2760.1-5596.8)	231.9 (165.4-322.1)	59% (19%-102%)
Bolivia (Plurinational State of)	1061.4 (749.5-1473.4)	8.7 (6.4-11.7)	37% (31%-43%)	24231.5 (18965.2-31249.4)	208.8 (167.2-262.6)	31% (25%-37%)	800.5 (536-1172.1)	9.2 (6.1-13.2)	28% (-4%-66%)	24757.1 (17447.4-34937.2)	248.6 (173.4-352.7)	7% (-18%-40%)
Ecuador	1959.2 (1430.2-2616)	11.5 (8.5-15.3)	77% (65%-90%)	44780 (36041.5-55993.9)	256.3 (208.5-317.4)	55% (45%-65%)	1206.8 (838.7-1677.4)	8.2 (5.6-11.3)	114% (66%-169%)	36901.6 (27400.8-49432.8)	228.2 (169.1-307)	74% (39%-123%)
Peru	2826.4 (2057.8-3792.8)	8.5 (6.2-11.4)	63% (54%-72%)	81213.3 (63577.5-103937)	237.2 (186.5-303.6)	40% (31%-49%)	1367.6 (914.8-1975.6)	4.2 (2.8-6.1)	-8% (-33%-25%)	43199.1 (31299.2-59382)	129.3 (93.6-177.3)	-17% (-37%-10%)
Colombia	5413.7 (3991.6-7127.5)	11.4 (8.3-15.3)	32% (25%-40%)	140488 (113316.6-171526.6)	283.2 (226-346.4)	25% (19%-31%)	1587.6 (1070.6-2251)	3 (2-4.3)	-22% (-39%-0%)	52926.1 (39408.2-70142.7)	103.5 (77.3-136.8)	-24% (-38%--6%)
Costa Rica	794.8 (613-1015.2)	16.7 (12.6-22)	16% (10%-23%)	18410.5 (15368.9-22149.3)	369 (304.5-449)	17% (12%-22%)	240.1 (165-341.4)	4.7 (3.2-6.7)	79% (38%-129%)	8133.2 (6006.7-10894)	158 (118.2-211.6)	61% (30%-99%)

El Salvador	1151 (827.2-1576.1)	18.8 (13.7-25.7)	86% (70%-101%)	24655.6 (19602.5-30921.4)	395.7 (317.6-492.5)	64% (52%-77%)	783.1 (531-1131.4)	13.1 (8.7-19.1)	218% (132%-322%)	26715.5 (18728.4-36914.1)	444.9 (309.1-616.1)	178% (107%-261%)
Guatemala	2568.5 (1784.9-3623.5)	15.4 (11.2-20.7)	58% (50%-67%)	58712.4 (44935.3-74636.2)	350.6 (280.4-429.1)	49% (41%-57%)	1179.5 (847.8-1620.4)	9.8 (7-13.6)	65% (27%-114%)	46378.4 (35006.1-60852.6)	324.9 (239.8-438.7)	52% (20%-94%)
Honduras	1178 (818.7-1610.9)	12.8 (9.4-16.9)	38% (31%-46%)	27264.5 (21402.9-34626)	299 (243.1-367.8)	29% (23%-35%)	601.5 (406.9-863.1)	9.7 (6.6-13.9)	92% (50%-148%)	20534.9 (14553.5-28572.9)	285.1 (199.3-396.9)	53% (21%-97%)
Mexico	23891.1 (21645.3-26381.1)	19.2 (17.4-21.2)	69% (60%-79%)	558441.7 (509644.5-610909.5)	436.1 (398.8-476.5)	52% (46%-59%)	15277.8 (11619.6-19856.9)	12.9 (9.8-16.7)	123% (90%-161%)	506454.1 (403555.4-629031.3)	406 (323.6-506.8)	114% (85%-146%)
Nicaragua	1495.9 (1049.8-2031.2)	23.5 (16.9-31.2)	67% (58%-77%)	29689.7 (23002.1-37555.2)	467.2 (371.3-578.3)	51% (44%-60%)	699.5 (500.5-948.5)	15.2 (10.8-20.6)	105% (66%-147%)	24394.8 (18000.7-32111.1)	458.9 (338.6-611.1)	78% (45%-117%)
Panama	598.1 (442.1-786)	14.5 (10.7-19.1)	45% (34%-59%)	14179.9 (11436.9-17473.5)	338.1 (272.2-416.7)	36% (28%-46%)	202.2 (136.7-286.8)	4.8 (3.3-6.9)	78% (34%-128%)	7094.3 (5247.4-9430.4)	169.7 (125.2-226.2)	64% (29%-103%)
Venezuela (Bolivarian Republic of)	4035.5 (3044-5225.2)	14 (10.5-18.4)	43% (33%-55%)	93902.4 (76826.8-112448.3)	319.6 (259.4-386.9)	31% (24%-38%)	1907.7 (1239.4-2812.1)	6.6 (4.3-9.6)	123% (63%-194%)	63600.2 (45024.5-88332.7)	212.5 (151-294.5)	93% (48%-147%)

Brazil	19242.3	9 (8-10.1)	20%	492919.7	216.2 (196.2-239.1)	17%	8511.7	3.7 (2.9-4.6)	-11%	266926.1	112.9 (94.9-132.9)	-18%
	(17306.4- 21598.7)		(16%-24%)	(449375.6- 543228.6)		(14%-20%)	(6727.4- 10588.6)		(-17%--4%)	(223152.3- 315748.4)		(-23%--13%)
Paraguay	709.7	10.8 (8.1-14.2)	56%	16386.7	239.5 (192.7-294.3)	41%	340.9	6 (4-8.9)	120%	11317.6	183.5 (129.6-257.2)	98%
	(518.2-932.2)		(46%-66%)	(13003.2- 20363.4)		(33%-49%)	(231.7-496.3)		(63%-189%)	(8117.1- 15643.2)		(50%-156%)
Algeria	5499.4	13.3 (9.9-17.2)	64%	117822.8	283.8 (230.3-352.4)	48%	492.7	1.7 (1.1-2.5)	-26%	23577.8	60.6 (46-78.6)	-17%
	(4059.9- 7251.4)		(56%-72%)	(95073.9- 146382.7)		(40%-55%)	(338.3-719.7)		(-43%--1%)	(17672- 31187.3)		(-34%-5%)
Bahrain	220.5	14.8 (11.4-19)	80%	4509.7	295.9 (240.3-366.3)	56%	10.9	1.7 (1.1-2.4)	-14%	685.9	54.5 (41.7-70.5)	-1%
	(167-281.3)		(70%-92%)	(3683-5496.9)		(47%-66%)	(7.6-15.7)		(-33%-9%)	(506.5-914.9)		(-19%-19%)
Egypt	12612.5	13.8 (10.3-17.9)	77%	266528.8	285.4 (231.2-351.4)	57%	1368.7	2.4 (1.3-3.8)	6%	61981.9	78 (51.4-110.4)	5%
	(9092.3- 16769.9)		(69%-87%)	(208884.2- 338141.2)		(49%-66%)	(738.4-2163.8)		(-22%-39%)	(41903.8- 88013.5)		(-16%-30%)
Iran (Islamic Republic of)	11557.5	13.8 (12.4-15.4)	31%	256138	297.4 (269.7-327.7)	23%	792.4	1.2 (0.9-1.5)	-24%	37710.6	45.9 (37.4-55.1)	-22%
	(10344- 12964.7)		(28%-34%)	(231693.5- 281719.5)		(21%-26%)	(605.1-1032.2)		(-34%--16%)	(30275.3- 45877.8)		(-31%--13%)
Iraq	5836.5	15.4 (11.5-20.2)	55%	126502.9	319.9 (253.4-396.8)	43%	518.3	2.3 (1.6-3.3)	-15%	27400.7	82.5 (61.4-108.1)	-13%
	(4049.4- 8055.1)		(48%-62%)	(95873.1- 162750.1)		(37%-50%)	(348.3-734.6)		(-36%-7%)	(20035.1- 35639.6)		(-31%-8%)

Jordan	1518.9 (1133.3-2008)	14.6 (11.3-18.6)	68% (58%-79%)	32542.6 (25768.4-41579.1)	298.6 (245.7-370.7)	48% (40%-56%)	142.3 (102.5-193.6)	2.4 (1.7-3.3)	-12% (-32%-10%)	6919 (5225.7-8705.5)	76.9 (58.7-97.9)	-7% (-24%-14%)
Kuwait	556.6 (417.7-736.2)	13.4 (10.1-17.3)	40% (29%-51%)	12588.3 (9984.9-15736.6)	279.8 (222.6-348)	33% (25%-42%)	20.2 (14.8-27.6)	0.9 (0.6-1.2)	-45% (-55%--33%)	1551.3 (1115.1-2090.3)	38.2 (29.1-49.2)	-29% (-41%--16%)
Lebanon	724.8 (562-955.5)	13.9 (10.8-18.3)	72% (63%-81%)	15463.5 (12496.7-19275.5)	295.9 (238.7-370)	51% (43%-59%)	65.9 (43.2-98.4)	1.3 (0.8-1.9)	-31% (-51%--6%)	2687.7 (2016.1-3584.7)	51 (38.3-67.8)	-16% (-34%-5%)
Libya	834.7 (627-1089)	13.3 (10-17.4)	56% (49%-63%)	19160.9 (15276.3-24078.7)	278.5 (222.7-350.3)	43% (37%-49%)	87.3 (54.3-131.2)	1.7 (1.1-2.7)	-2% (-29%-34%)	4080.8 (2897.3-5643.1)	64 (45.3-87.6)	5% (-17%-33%)
Morocco	4607.2 (3488.4-6105.6)	13.3 (10-17.7)	103% (94%-113%)	103816.9 (81351.9-131347.3)	286.6 (226.1-362.3)	76% (64%-87%)	448.2 (294.8-644.3)	1.6 (1-2.3)	11% (-16%-39%)	20797.2 (15181.5-27214)	60.5 (44-78.2)	19% (-4%-43%)
Palestine	638.6 (437.6-892.3)	14.4 (10.7-19)	43% (35%-52%)	13738.2 (10306.3-18217.4)	301.9 (242.6-379.6)	32% (26%-38%)	43.9 (32.5-58)	1.8 (1.3-2.5)	-33% (-49%--13%)	2535.3 (1972.7-3258.9)	67.9 (53.6-85.7)	-25% (-39%--8%)
Oman	484.1 (349.6-668)	12.6 (9.7-16.3)	95% (83%-108%)	11706.6 (8991.5-14972.4)	264 (212.8-323.4)	64% (53%-76%)	12.9 (9.3-17.3)	1 (0.7-1.4)	8% (-23%-50%)	1342.8 (951.2-1845.6)	38.4 (29.5-49.4)	22% (-3%-49%)

Qatar	374.7 (276.9-496.6)	16.1 (12.2-20.4)	79% (69%-90%)	8904.8 (6873.9-11351)	314.5 (253.7-385.5)	56% (46%-67%)	9.1 (6.2-12.9)	2.1 (1.3-3.3)	-8% (-42%-30%)	1026.9 (708.7-1441.2)	56.6 (41.8-74.2)	-7% (-30%-19%)
Saudi Arabia	6268.4 (4681.6-8114.8)	18.8 (14.5-23.9)	91% (80%-103%)	128292 (100378.9-157329.9)	358.3 (290.2-432.2)	70% (59%-81%)	535.5 (368.4-773.9)	3 (2.1-4.3)	4% (-27%-45%)	29303 (21062.1-39484.3)	98.1 (74.7-129.3)	9% (-18%-44%)
Syrian Arab Republic	1804.3 (1371.3-2348.1)	13 (9.8-17.1)	33% (24%-45%)	39922.7 (31749.3-50493.2)	275.7 (220.5-344.9)	21% (16%-27%)	183.2 (123.7-263.7)	1.7 (1.1-2.4)	-33% (-53%--9%)	8795.2 (6577.9-11456.7)	64 (47.8-82.6)	-34% (-50%--15%)
Tunisia	1464.9 (1126.7-1833.9)	12.4 (9.2-15.8)	71% (63%-81%)	32074.5 (26337.6-38873.7)	265.1 (214-327.8)	50% (42%-58%)	174.4 (109.4-261.6)	1.5 (0.9-2.3)	-8% (-37%-25%)	6670.6 (4901.1-8998.5)	54.3 (39.9-73.2)	-3% (-22%-22%)
Turkey	9431.7 (7440.3-11859.5)	11.6 (9-15.1)	68% (56%-83%)	214647.7 (177673.4-261314.4)	248.7 (203.5-307.5)	44% (36%-53%)	940 (631.5-1320)	1.1 (0.8-1.6)	-40% (-59%--20%)	37987.3 (28585.3-48454)	44 (33.2-55.7)	-34% (-50%--19%)
United Arab Emirates	1693.9 (1239.4-2284)	17.7 (13.4-22.5)	59% (51%-68%)	32937 (26643-40007.9)	337.2 (273-413.9)	44% (37%-51%)	140.8 (79.2-245.8)	2.9 (1.7-4.8)	-18% (-44%-20%)	8642.7 (5596.5-13672.6)	98 (69-145.7)	-8% (-33%-28%)
Yemen	2878.8 (1919.1-4149.8)	10 (7.5-13.1)	59% (50%-71%)	62329.3 (46070.7-82958.7)	222.5 (177.6-279.3)	44% (35%-55%)	202.3 (135.1-291)	1.4 (0.9-2)	-10% (-34%-22%)	12555.9 (9115.9-16903.3)	54.1 (39.7-71.8)	-3% (-28%-27%)

Afghanistan	4308.9		50%	80506.2		40%			-19%	27100.5		-19%
	(2787.4-6419.8)	11.8 (8.7-15.8)	(44%-56%)	(59837.9-107247.8)	248 (201.2-306.9)	(34%-47%)	462.5 (319.3-685.5)	2.9 (2-4.5)	(-40%-5%)	(19744-37947.8)	103.6 (76.7-145.5)	(-38%-3%)
Bangladesh	9076.4		46%	269084.2		29%			-25%	88000.2		-30%
	(6370.6-12357.3)	6 (4.3-8.1)	(38%-56%)	(209241.3-349859.5)	168.2 (132.8-214.1)	(22%-37%)	2015 (1463.9-2730)	1.6 (1.2-2.2)	(-44%-5%)	(68096.6-113142.2)	60 (46.2-77.2)	(-48%-9%)
Bhutan	64.5		45%	1721.2		33%			16%	834		4%
	(45.1-89)	8.8 (6.3-12)	(39%-52%)	(1348.6-2186.6)	222.7 (177.9-279.2)	(27%-40%)	22.8 (14.9-32.5)	4.1 (2.6-5.8)	(-19%-65%)	(562.8-1165.7)	123.1 (84.5-172.1)	(-25%-51%)
India	95758		2%	3051636.8		7%			-20%	1345414.7		-19%
	(86204.6-106086.5)	7.2 (6.5-7.9)	(0%-5%)	(2783211.7-3325533.8)	216.5 (198.2-235.4)	(5%-9%)	35304.9 (25812.1-46383.9)	3.2 (2.3-4.2)	(-36%-1%)	(1048734.6-1710765.7)	103.2 (80.4-130)	(-33%--1%)
Nepal	2849.5		63%	66038.6		45%			25%	30496.5		12%
	(1974.5-3961.4)	9.6 (6.9-13.1)	(56%-71%)	(51403.8-83619.7)	221.3 (176.4-273)	(37%-54%)	806.6 (514.8-1161.6)	3.7 (2.4-5.4)	(-10%-61%)	(21396.3-42434)	116.5 (81.8-163.8)	(-15%-42%)
Pakistan	20631		34%	475223.9		28%			50%	405988.5		53%
	(15922.7-26166.3)	9 (7.2-11.1)	(30%-38%)	(394503.4-560829.9)	231.9 (197.7-268.5)	(24%-31%)	8949.3 (6121.5-12313.3)	6.9 (4.7-9.7)	(14%-89%)	(288144.1-543642.9)	234 (165.3-313.6)	(21%-89%)
Angola	1786.2		27%	39793.8		23%			-18%	29328.8		-23%
	(1100.8-2720.1)	5.2 (3.7-7.4)	(21%-33%)	(29925-53078.9)	148.6 (118.7-186.7)	(17%-28%)	573.1 (380.7-780.6)	3.9 (2.6-5.6)	(-39%-14%)	(20478.2-39257.8)	133.2 (94.2-178.1)	(-43%-4%)

Central African Republic	319.9 (197.7-480.4)	5.4 (3.7-7.6)	21% (16%-26%)	6895 (5063-9179.3)	142.9 (111.2-183.8)	16% (12%-21%)	160.1 (110.2-225.1)	5.4 (3.7-7.7)	-2% (-26%-31%)	8066.7 (5740.3-11137)	194.1 (135.8-269.3)	-3% (-27%-31%)
Congo	312.9 (198.9-451.1)	5.8 (3.9-7.9)	21% (16%-27%)	7935.7 (5958.3-10449.4)	158.6 (123-203.2)	18% (13%-23%)	140.7 (91-200.2)	4.8 (3.1-6.8)	-21% (-40%-5%)	6249.3 (4192.6-8748.5)	152.5 (104-211.7)	-27% (-47%-2%)
Democratic Republic of the Congo	4541.2 (2781.4-6827.3)	4.8 (3.3-6.7)	21% (15%-27%)	110692.1 (82169.7-146567.6)	140.2 (110.5-176.5)	15% (11%-20%)	1757.2 (1286.1-2334)	3.9 (2.8-5.3)	-21% (-40%-1%)	86174.9 (63993-114838.5)	131.1 (98.9-170.1)	-23% (-41%--1%)
Equatorial Guinea	82.3 (50.4-122.6)	5.8 (4.1-7.9)	51% (43%-61%)	2157.1 (1549.6-2919.9)	162.8 (126.9-208.5)	39% (31%-48%)	28.6 (18.4-42.4)	4.6 (3-6.7)	-10% (-40%-35%)	1408.2 (900.4-2099.1)	139.6 (92.8-205.3)	-23% (-49%-18%)
Gabon	121.5 (80.1-175.2)	6.9 (4.9-9.6)	35% (29%-42%)	3063.8 (2307.7-3995.7)	179.4 (139.9-228.6)	25% (20%-31%)	65.1 (40.5-92.4)	5.8 (3.5-8.3)	4% (-27%-39%)	2653.9 (1754.9-3676.2)	182.3 (120-252.4)	-5% (-33%-28%)
Burundi	595.1 (366.2-886.9)	4.4 (3.1-6)	8% (3%-14%)	14109.9 (10414.2-18778)	136.1 (107.1-172.2)	11% (6%-15%)	269.7 (196.2-364.8)	4.6 (3.2-6.4)	-22% (-41%-1%)	13242.2 (9777.7-17649.4)	152.1 (113.3-203)	-27% (-45%--2%)
Comoros	38.4 (25.7-56.9)	5.3 (3.7-7.7)	13% (8%-19%)	1110.3 (859.6-1466.1)	158.4 (125.7-203.9)	14% (10%-19%)	23.1 (15.9-31.4)	4.5 (3.1-6.1)	-12% (-36%-52%)	899.7 (623.7-1200.2)	144.3 (102.2-193.1)	-12% (-39%-87%)

Djibouti	69.8 (46.3-99.8)	5.6 (4-7.6)	28% (22%-35%)	1881.9 (1426.7- 2421.7)	161.2 (126.2-201.8)	23% (18%-30%)	32.2 (21.4-46.6)	4.9 (3.3-7)	12% (-18%-53%)	1488.5 (995.5-2111.1)	155.5 (107.2-216.6)	10% (-22%-51%)
Eritrea	375.3 (232.1-565.4)	5.3 (3.6-7.4)	24% (18%-31%)	9313 (6904.5- 12582.3)	149.2 (117.8-193.9)	23% (17%-28%)	175.3 (109-258.8)	5.1 (3.1-7.3)	3% (-25%-48%)	8668.7 (5506.1- 12688.5)	170.4 (109.5-245.2)	-2% (-28%-40%)
Ethiopia	5357.6 (4182-6738.2)	4.5 (3.8-5.5)	8% (4%-12%)	136902 (115406.3- 163216)	141.8 (123.7-162.6)	12% (9%-15%)	2132.3 (1680.1- 2688.3)	4.3 (3.2-5.7)	-43% (-55%--28%)	96907.3 (78405.8- 118556.6)	127.7 (102.5-159.3)	-50% (-61%--37%)
Kenya	2398.9 (2100.4- 2706.2)	4.7 (4.2-5.2)	25% (21%-30%)	66900.4 (60470.2- 74297.6)	144.2 (132-156.9)	17% (15%-20%)	1206.9 (909.3-1550.5)	5 (3.6-6.6)	18% (-1%-40%)	51230.4 (40216.1- 64577.2)	144.7 (112-182.5)	17% (-2%-39%)
Madagascar	1280.3 (782.3-1882.7)	4.4 (3-6.2)	12% (7%-18%)	33310.1 (25015.5- 43277.3)	137.5 (109.2-172.1)	11% (7%-15%)	504.4 (357.8-699.8)	3.7 (2.5-5.3)	-19% (-39%-4%)	25027.1 (18607.4- 33557.7)	124.2 (91-168.4)	-26% (-43%--5%)
Malawi	950.2 (583-1414.7)	4.9 (3.4-6.7)	23% (17%-29%)	28564.6 (20493.4- 39258.7)	186.7 (140.7-247.8)	15% (10%-21%)	440.2 (329.7-576.6)	4.7 (3.4-6.2)	-10% (-30%-14%)	21547.1 (16179.5- 28716.6)	154.3 (117.7-199.9)	-16% (-35%-13%)
Mauritius	214.4 (159.6-279.4)	16 (11.3-21.8)	60% (38%-76%)	5724.4 (4691.7- 6896.8)	398.4 (318.2-490.2)	47% (34%-58%)	44.4 (30.1-64.2)	2.7 (1.9-3.9)	62% (31%-98%)	1899.3 (1438.5- 2483.3)	123.2 (94.6-157.6)	65% (41%-92%)

	1801.3		38%	39787.6		29%			11%	36436.7		11%
Mozambique	(1057.1-2640.1)	5.2 (3.5-7.1)	(32%-44%)	(29041.9-52829.2)	153.4 (120.5-193.4)	(22%-36%)	700.9 (509-939.5)	4.7 (3.4-6.4)	(-20%-49%)	(26282.5-48542.1)	163 (122-217)	(-18%-46%)
Rwanda	606.6 (384.1-880.3)	4.7 (3.2-6.4)	9% (4%-16%)	16966.3 (12770.6-22089.4)	143.4 (112.9-178.9)	12% (8%-17%)	293.3 (209.2-394.7)	4.2 (3-5.8)	-33% (-48%--13%)	13516.7 (9848.9-17831.2)	135.7 (99.9-179.9)	-38% (-52%--19%)
Seychelles	12 (9.2-15.4)	11.2 (8.3-14.8)	45% (37%-54%)	342.5 (285.3-408.2)	306.8 (252.4-372.2)	35% (28%-42%)	1.7 (1.2-2.3)	1.7 (1.2-2.3)	45% (24%-69%)	86.5 (66.8-110.3)	77.9 (60.4-97.6)	48% (31%-67%)
Somalia	1187.2 (739.5-1787.3)	4.9 (3.5-6.7)	12% (8%-17%)	25305.1 (18729.8-33851.5)	142.9 (113.3-181.9)	14% (9%-18%)	521.3 (373.2-708.1)	5.5 (3.7-7.6)	-9% (-30%-22%)	27585.9 (19931.2-37539.5)	186.8 (135.6-249.4)	-7% (-29%-24%)
United Republic of Tanzania	3043.2 (1953.3-4490.9)	4.8 (3.4-6.5)	17% (11%-25%)	75467 (57246.5-97704)	149.6 (120.2-185.8)	19% (13%-25%)	2078 (1640-2613.9)	7.5 (5.8-9.8)	23% (-4%-57%)	86580.4 (67994.5-109446)	217.6 (171.8-270.8)	15% (-11%-48%)
Uganda	1907.4 (1203.7-2827.2)	4.1 (3-5.7)	23% (18%-29%)	46213.9 (34038.1-62300.4)	131.9 (105.2-167.3)	17% (13%-23%)	832.5 (599.4-1131.9)	4.4 (3.1-6)	0% (-22%-27%)	41418.3 (29493-57071.8)	141.3 (102-188.9)	2% (-22%-33%)
Zambia	1153.3 (718.4-1733.5)	5.8 (4.1-8.1)	22% (17%-28%)	27162.2 (20265.3-36623.6)	164.4 (130.6-207.5)	22% (17%-27%)	493.5 (366.2-661.9)	5.5 (3.9-7.5)	-12% (-34%-15%)	25079.3 (19011.7-32844.4)	183.9 (139.2-243.8)	-15% (-34%-9%)

Botswana	210 (145.6-292.9)	9.2 (6.6-12.4)	41% (35%-47%)	4914.7 (3828.2- 6239.8)	211.7 (170.8-263.9)	34% (28%-40%)	72 (44.6-111.3)	4.6 (3-6.9)	27% (-14%-78%)	3198.6 (2062-4821.7)	158.4 (101.7-236)	29% (-13%-82%)
Lesotho	187.4 (129.1-267)	9.1 (6.6-12.4)	45% (38%-51%)	4090.9 (3167-5260.2)	201.2 (162-250.4)	32% (26%-39%)	87.8 (55.9-129.2)	6.3 (4.1-9)	91% (34%-163%)	3688.5 (2445.2- 5299.2)	213 (141.9-304.2)	92% (32%-161%)
Namibia	175.3 (118.9-243.4)	7.6 (5.5-10)	26% (20%-32%)	4044.4 (3135.7- 5174.7)	180.5 (146.1-221.5)	23% (18%-28%)	51.6 (33.3-77.4)	3.5 (2.2-5.2)	-6% (-32%-28%)	2059.9 (1370.9- 2997.8)	110 (73.8-157.7)	-5% (-32%-34%)
South Africa	4914.3 (4236.4- 5689.8)	9 (7.8-10.3)	23% (18%-29%)	121675.3 (107739- 137341.3)	215 (191.1-241.6)	19% (16%-22%)	2202.5 (1674.8- 2817.7)	4.9 (3.7-6.4)	10% (-7%-27%)	80906.9 (64456.6- 100162.6)	153.4 (122.4-190.1)	-6% (-19%-7%)
Eswatini	122.7 (81.7-173.7)	10.9 (7.7-14.8)	42% (35%-48%)	2530.2 (1946.5- 3316.6)	235.5 (189.5-295.3)	32% (26%-39%)	43.9 (28.6-63.7)	6.4 (4.3-9.2)	37% (-1%-93%)	2008.7 (1333.7- 2868.6)	225.4 (150.5-320.9)	42% (1%-101%)
Zimbabwe	1104.9 (731-1577.9)	7.5 (5.4-10.1)	18% (13%-22%)	31698.8 (22476.2- 42366)	222.3 (170-283.4)	26% (20%-34%)	385.8 (255-578.3)	4.8 (3.2-7.4)	41% (8%-84%)	17129.8 (11718-25069)	158.9 (109.5-230.5)	47% (12%-93%)
Benin	1115.1 (670.1-1684)	7.7 (5.3-10.8)	25% (20%-30%)	21738.5 (15594.7- 30069.5)	188.9 (145.6-242.1)	21% (16%-26%)	327 (211.8-468.3)	4.5 (3.1-6.3)	-12% (-35%-17%)	18034.5 (11850.2- 26375.7)	168.9 (113.1-236.9)	-12% (-37%-17%)

	1823.2		31%	36031.6		24%			2%	34879.6		8%
Burkina Faso	(1098.5-2788.9)	6.8 (4.6-9.7)	(26%-37%)	(26189.3-49666.1)	173.8 (135.3-226.6)	(19%-30%)	597.1 (421.4-804.7)	4.3 (3.1-5.7)	(-21%-29%)	(24206.1-48091)	165.9 (120.7-220.6)	(-17%-37%)
			34%	68759.7		30%			-11%	45066.7		-7%
Cameroon	(2080-5084.8)	10.9 (7.3-15.4)	(28%-41%)	(49008.4-92471.9)	248.6 (193.7-318.3)	(24%-36%)	800.3 (507.4-1144.1)	4.6 (3.1-6.6)	(-34%-22%)	(29172.7-63205.4)	180.1 (120.8-251)	(-33%-30%)
			48%	1197		35%			28%	558.6		7%
Cabo Verde	(30.9-64)	8.2 (5.7-11.4)	(41%-58%)	(913.8-1532)	207.6 (162.4-263)	(28%-43%)	14.3 (10.8-18.5)	3 (2.3-4)	(3%-55%)	(432.7-701)	104.7 (81.8-132.4)	(-13%-30%)
			26%	25021.9		20%			-3%	22379.6		-3%
Chad	(814.9-2131.2)	7.1 (4.7-9.9)	(21%-31%)	(17414.3-34506.4)	175.1 (133.5-224.9)	(15%-26%)	396.4 (273.2-559.9)	4.5 (3.1-6.4)	(-25%-26%)	(15436.2-32027.2)	168.7 (118.2-232.9)	(-26%-26%)
			19%	50419		17%			-17%	33124		-15%
Côte d'Ivoire	(1542.6-3608.2)	8.5 (5.9-12)	(14%-25%)	(37518-68677.4)	203.5 (161.2-261.4)	(12%-21%)	602.6 (400.4-856.2)	4 (2.7-5.5)	(-38%-9%)	(22247.9-46977.7)	150.6 (105.3-206.9)	(-39%-14%)
			30%	3888.6		22%			1%	2804.5		0%
Gambia	(112.4-264.7)	7.5 (5.2-10.4)	(25%-36%)	(2768.6-5189.8)	185.4 (142.9-237.2)	(17%-28%)	57.2 (39.8-79)	4.5 (3.1-6.1)	(-28%-41%)	(1933-3864.2)	156.8 (111.4-213.8)	(-31%-44%)
			39%	55245.7		29%			6%	47177.4		4%
Ghana	(1479-3398.8)	7.1 (4.9-9.9)	(33%-45%)	(41207.9-72303.8)	180.5 (141.1-227.8)	(23%-35%)	967.9 (645.1-1343.8)	4.8 (3.2-6.6)	(-28%-42%)	(32958-64059.6)	172.8 (119.5-235.3)	(-28%-42%)

Guinea	1083.4 (684-1622.9)	7.6 (5.3-10.6)	27% (22%-32%)	21155.1 (15378.2- 28445.1)	183.5 (142.7-232.6)	21% (16%-26%)	395.4 (283.4-543.1)	5.1 (3.6-7.1)	-11% (-33%-14%)	20773.6 (14900.8- 28611.4)	193.7 (140.6-261.5)	-13% (-35%-14%)
Guinea-Bissau	175.2 (108.7-261.2)	8.4 (5.8-11.8)	18% (13%-22%)	3533.4 (2595.8- 4761.2)	196.9 (154.1-249.4)	18% (14%-23%)	63.1 (44.7-86.3)	5.8 (4.2-7.9)	-26% (-44%--1%)	3366.4 (2418.6- 4550.6)	219.3 (158.5-293.8)	-27% (-46%--1%)
Liberia	367.7 (237-546.8)	7.4 (5.2-10.3)	27% (21%-32%)	8491.9 (6302.1- 11225.1)	185.6 (145-236)	21% (17%-27%)	126 (82.5-186.6)	4.4 (3-6.6)	-26% (-47%--2%)	6464.2 (4298.8- 9479.5)	160.8 (108.7-233.2)	-32% (-52%--5%)
Mali	2818.8 (1583.4- 4458.9)	9.9 (6.3-14.5)	23% (17%-30%)	34866.4 (24621.4- 47351.2)	177 (136.4-226.2)	19% (15%-24%)	565.8 (381.9-796.9)	4.4 (3-6.1)	-21% (-40%-2%)	31907.8 (21230.6- 44869.9)	168.2 (116.7-230.4)	-23% (-44%-2%)
Mauritania	334.6 (212.7-493)	8 (5.5-11.3)	22% (17%-27%)	7563.9 (5623-10035)	199.4 (156.6-252.8)	19% (14%-24%)	92.2 (59.4-130.3)	3.8 (2.5-5.4)	-40% (-55%--22%)	4251.3 (2775.5- 6111.8)	130 (87.2-180.6)	-42% (-59%--22%)
Niger	1903.8 (1171.2-2893)	6.7 (4.6-9.4)	17% (11%-22%)	47898.8 (31686.4- 69275.7)	220.5 (161.1-292)	14% (8%-21%)	491.7 (325.6-703.4)	4 (2.7-5.6)	-25% (-43%--2%)	28955 (19070.9- 41131)	151.2 (104-212.4)	-29% (-48%--6%)
Nigeria	16732 (14764.7- 19056.2)	7 (6.3-7.8)	20% (15%-26%)	360864.8 (322147.8- 403726.6)	182.1 (165.2-199.3)	16% (13%-20%)	5145.8 (3672.5- 6918.9)	4.7 (3.4-6.4)	-3% (-30%-30%)	257405 (185955.8- 344580.9)	152.4 (111.9-203.9)	-18% (-39%-9%)

Sao Tome and Principe	21.9 (13.9-32.4)	10.4 (7.2-14.8)	31% (26%-37%)	500.4 (374.9-667.5)	246.2 (193.6-313.9)	26% (21%-32%)	8.7 (6.3-11.5)	6.8 (4.8-9.1)	10% (-15%-46%)	401.5 (303.5-522.6)	233.7 (174.1-305.1)	1% (-23%-40%)
Senegal	1127.6 (705.1-1672.3)	7 (4.9-9.7)	13% (7%-20%)	24776.3 (18151.9-33274.6)	174.9 (136-223.1)	11% (6%-16%)	431.2 (294.7-619.4)	4.6 (3.2-6.5)	-21% (-40%-3%)	20735 (13922.2-29835.2)	163.4 (113.3-231)	-24% (-45%-2%)
Sierra Leone	656.3 (416.3-996.1)	7.2 (5-10.1)	28% (22%-33%)	14481.3 (10796.2-19638)	183.9 (144.3-236.5)	21% (16%-27%)	215.8 (147.2-305.8)	4.1 (2.8-5.7)	-15% (-37%-14%)	11961.3 (8030.5-17023.4)	160.7 (111.7-224.2)	-14% (-38%-18%)
Togo	639.6 (397.6-938.2)	7.6 (5.2-10.5)	22% (17%-27%)	14025.9 (10406.7-18448.1)	186.9 (146.5-236.4)	17% (13%-22%)	201.9 (141.1-282.7)	4.2 (3-5.9)	-14% (-36%-11%)	10374.5 (7400.2-14118.1)	156.1 (112.4-213.5)	-14% (-37%-11%)
American Samoa	7.6 (5.5-10.3)	13.9 (10.1-18.8)	39% (33%-45%)	198.9 (159.4-244.7)	365 (295.2-445.9)	31% (26%-37%)	1.9 (1.4-2.7)	4.1 (3-5.8)	48% (21%-83%)	82 (61.1-108.7)	157.5 (118-207.7)	52% (25%-85%)
Bermuda	7.4 (5.9-9.2)	10.5 (7.7-14)	53% (44%-62%)	189 (160.7-221.6)	251.2 (203.2-314.5)	35% (27%-42%)	3 (2.1-4.2)	2.5 (1.8-3.4)	-18% (-33%-1%)	88.5 (68.6-115.4)	91.6 (72.1-115.7)	-10% (-25%-6%)
Cook Islands	2.1 (1.6-2.7)	11.5 (8.3-15.3)	48% (41%-55%)	60.6 (50.2-72.1)	317.9 (257.3-386.2)	34% (27%-40%)	0.5 (0.3-0.6)	2 (1.4-2.8)	22% (-4%-57%)	18 (13.4-23.6)	86.4 (64.4-113.5)	29% (4%-58%)
Greenland	3 (2.4-3.8)	5 (3.8-6.5)	17% (11%-23%)	90.7 (76.4-109)	147.8 (121.6-182.7)	6% (1%-10%)	1.1 (0.8-1.6)	1.9 (1.3-2.6)	10% (-14%-37%)	32.1 (23.8-43.2)	48.1 (36.6-62.9)	3% (-17%-23%)

Guam	20.6 (14.6-28.1)	12 (8.3-16.7)	49% (44%-56%)	579.8 (469.8-719.5)	335 (268.6-420.7)	37% (31%-44%)	4 (2.9-5.5)	2.2 (1.6-3)	35% (9%-68%)	182.2 (138-238.9)	102.1 (77.4-134)	64% (39%-92%)
Monaco	2.2 (1.8-2.6)	4.1 (3.2-5.3)	11% (4%-17%)	54.7 (46.6-63.2)	114.4 (93.2-140.6)	4% (0%-8%)	0.8 (0.5-1.2)	0.7 (0.5-1.1)	44% (13%-80%)	15 (11-20.1)	20.7 (15.6-26.8)	16% (-2%-38%)
Nauru	1.5 (1-2.3)	13.8 (9.6-19.6)	36% (31%-41%)	36.6 (28-46.5)	369.6 (297.4-451.7)	30% (25%-35%)	0.3 (0.2-0.4)	4.8 (3.2-6.8)	34% (5%-66%)	16.2 (11.2-22.8)	194.5 (136.1-266.8)	35% (11%-62%)
Niue	0.2 (0.2-0.3)	13.4 (9.5-18.4)	47% (41%-53%)	6.2 (5.2-7.5)	359 (291.2-438.3)	35% (29%-42%)	0.1 (0-0.1)	3.3 (2.1-4.8)	30% (-2%-71%)	2.5 (1.8-3.5)	134.9 (96.8-186.6)	32% (2%-70%)
Northern Mariana Islands	6.2 (4.7-7.9)	13.7 (10.1-18.3)	23% (15%-32%)	170.2 (141.5-201.2)	355.8 (286.4-431.5)	22% (16%-29%)	1.7 (1.2-2.5)	3.8 (2.8-5.3)	22% (-4%-50%)	73.1 (55.1-96.7)	142.7 (110.5-185.3)	21% (-1%-47%)
Palau	2.8 (2.1-3.7)	15.4 (10.7-21.3)	38% (32%-45%)	81.2 (67.5-98.3)	399.2 (324.5-495.8)	31% (26%-37%)	1 (0.7-1.4)	5 (3.5-6.9)	28% (-6%-67%)	42.5 (30.5-58.3)	197.5 (144.1-263.3)	32% (0%-65%)
Puerto Rico	448.7 (362.2-557.3)	12.6 (9.4-16.7)	48% (39%-57%)	12396.5 (10674- 14489.3)	309.9 (255.2-380.2)	36% (30%-44%)	299.5 (200.1-438.4)	4.5 (3-6.4)	-6% (-28%-19%)	8142.5 (6004.7- 11161.7)	156 (116.7-206.9)	1% (-18%-24%)
Saint Kitts and Nevis	11.8 (8.8-15.9)	20.2 (14.2-28)	43% (32%-54%)	210.5 (174-251.6)	318.8 (259.3-387.2)	31% (26%-37%)	6.2 (4.2-8.7)	9.3 (6.5-13)	3% (-20%-29%)	206.8 (142.2-282.6)	293.3 (207.4-394.3)	-3% (-28%-26%)
San Marino	1.4 (1.2-1.8)	3.6 (2.8-4.7)	9% (3%-15%)	42.4 (35.9-50)	108.5 (88.2-133.3)	3% (-1%-7%)	0.4 (0.3-0.7)	0.6 (0.3-0.9)	22% (-19%-72%)	9.1 (6.3-12.7)	17.1 (12.3-23.4)	7% (-16%-35%)

Tokelau	0.2 (0.1-0.2)	11.1 (7.8-15.4)	55% (49%-63%)	4.2 (3.4-5.2)	311 (252-383.6)	37% (31%-44%)	0 (0-0.1)	2.8 (1.9-4.2)	20% (-13%-60%)	1.5 (1.1-2.2)	116 (81.4-164.9)	25% (-7%-61%)
Tuvalu	1.3 (0.9-1.8)	11.1 (7.9-15.1)	49% (42%-56%)	36.1 (28.8-44.7)	309.2 (249.6-380.5)	33% (27%-40%)	0.3 (0.2-0.5)	3.5 (2.3-5.3)	21% (-12%-65%)	15.6 (11-22.5)	139.6 (98.6-199.8)	19% (-10%-57%)
United States	13.2 (10.5-16.5)	12.3 (9.1-16.3)	48% (41%-55%)	329.3 (281.4-386.9)	289.2 (236.9-354.9)	35% (28%-42%)	9 (6.4-12.6)	5.3 (3.8-7.2)	35% (3%-70%)	265.4 (196.9-354.4)	178.2 (135.2-231.9)	26% (-2%-57%)
Virgin Islands												
South Sudan	496.6 (296.6-743.8)	4.7 (3.2-6.5)	16% (11%-21%)	11346.9 (8272.5-14838.3)	139.3 (109-174.8)	14% (10%-19%)	219.1 (148-313.7)	4.7 (3.1-6.9)	-7% (-31%-26%)	10547.8 (7426.8-15006.8)	148.7 (102.8-211.5)	-10% (-33%-25%)
Sudan	4026 (2711.4-5723.7)	11 (8.2-14.5)	72% (64%-81%)	87323.8 (66579-114556)	239.7 (195.1-298.1)	53% (44%-62%)	434.9 (270.9-709.5)	2.1 (1.3-3.6)	-8% (-39%-39%)	22976 (15522.9-32903.1)	74.3 (50.4-111.8)	-8% (-36%-31%)

Supplemental Table 6. The incidence, prevalence, deaths and disability-adjusted life-years of CKD due to glomerulonephritis in 2019, and percentage change by sociodemographic-index quintiles from 1990 to 2019.

	Incidence			Prevalence			Deaths			Disability-adjusted life-years		
	Number in 2019 (×1000) (95% UI)	Age-standardized rate per 100,000 in 2019 (95% UI)	Change of age-standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age-standardized rate per 100,000 in 2019 (95% UI)	Change of age-standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age-standardized rate per 100,000 in 2019 (95% UI)	Change of age-standardized rate between 1990 and 2019 (95% UI)	Number in 2019 (×1000) (95% UI)	Age-standardized rate per 100,000 in 2019 (95% UI)	Change of age-standardized rate between 1990 and 2019 (95% UI)
High sociodemographic index	78 (72.1-84.5)	6.8 (6.2-7.5)	12% (9%-16%)	2106.3 (1955.5-2260.6)	179.5 (165.4-195.1)	9% (7%-11%)	25.8 (18.8-35.1)	1.3 (1-1.7)	6% (-2%-15%)	635.7 (526.3-774.2)	42.5 (35.4-50.6)	5% (-1%-10%)
High-middle sociodemographic index	102 (92.5-112.4)	7.1 (6.4-7.9)	16% (13%-18%)	3271.4 (3002.6-3554.5)	205.7 (187.7-225.5)	10% (8%-12%)	25.9 (20-32.9)	1.4 (1.1-1.7)	-19% (-26%--11%)	842.5 (709.8-1001.6)	47.7 (40.2-56.2)	-23% (-29%--17%)
Middle sociodemographic index	211.9 (194.4-231.2)	9 (8.2-9.8)	27% (24%-30%)	6268.8 (5771.6-6761.6)	248.2 (228.4-268.4)	21% (18%-23%)	59 (46.8-74.1)	2.5 (2-3.2)	10% (-1%-21%)	2256 (1879.5-2702.6)	89 (74.9-105.6)	2% (-7%-12%)
Low-middle sociodemographic index	135.6 (122.5-150.6)	7.9 (7.2-8.7)	20% (17%-23%)	3829.9 (3507.2-4147.4)	219.4 (201.8-237)	16% (15%-18%)	46.7 (36.5-58.7)	3.4 (2.6-4.3)	2% (-10%-16%)	1906.1 (1554.3-2288)	117.7 (96-142.5)	-0.4% (-12%-12%)

Low sociodemographic	78.4	6.6	14%	1820.7	180.3	18%	26.1	4.2	-8%	1255.5	142.6	-12%
index	(70.3-87.9)	(6-7.2)	(11%-17%)	(1656.9-	(165.1-196.6)	(16%-20%)	(21.1-31.8)	(3.3-5.3)	(-18%-3%)	(1026.4-	(117.4-171)	(-22%--0.3%)
				2005.3)						1519.9)		

Supplemental Table 7. Change in the disability-adjusted life-years of CKD due to glomerulonephritis decomposed by three population-level determinants: population aging, population growth and epidemiological change from 1990 to 2019 at the regional and national level

Location	Overall difference	Change due to population-level determinants (%contribution to the total change)		
		Population aging	Population growth	Epidemiological change
Central Asia	32388.7	5531.5 (17%)	18324.2 (57%)	8533 (26%)
Armenia	1093.5	267.7 (24%)	-123 (-11%)	948.8 (87%)
Azerbaijan	4108.4	655.3 (16%)	2279.3 (55%)	1173.8 (29%)
Georgia	5552.5	804.1 (14%)	1308.1 (24%)	3440.3 (62%)
Kazakhstan	1994.6	794.6 (40%)	1177.9 (59%)	22.1 (1%)
Kyrgyzstan	173.7	372.7 (215%)	1774.7 (1022%)	-1973.7 (-1136%)
Mongolia	198.9	778 (391%)	1469.1 (739%)	-2048.2 (-1030%)
Tajikistan	2762.9	255.1 (9%)	1358.8 (49%)	1149 (42%)

Turkmenistan	2734.2	606.7 (22%)	1368.6 (50%)	758.9 (28%)
Uzbekistan	18849.9	3212.9 (17%)	12195.7 (65%)	3441.3 (18%)
Central Europe	-18760.6	17999.9 (-96%)	-5597.6 (30%)	-31162.9 (166%)
Albania	-304.1	485 (-159%)	-331 (109%)	-458.1 (151%)
Bosnia and Herzegovina	119.5	902.2 (755%)	-756.8 (-633%)	-25.9 (-22%)
Bulgaria	3540	909 (26%)	-1509 (-43%)	4140 (117%)
Croatia	466.7	689.2 (148%)	-342.3 (-73%)	119.8 (26%)
Czechia	-871.9	1012.1 (-116%)	168.4 (-19%)	-2052.4 (235%)
Hungary	691.2	612.7 (89%)	-261.5 (-38%)	340 (49%)
Montenegro	111.3	120.9 (109%)	-1.9 (-2%)	-7.7 (-7%)
North Macedonia	457.8	394.2 (86%)	102.9 (22%)	-39.3 (-9%)
Poland	-9121	5379.6 (-59%)	272.8 (-3%)	-14773.4 (162%)
Romania	-14105	5301.3 (-38%)	-4349.2 (31%)	-15057.1 (107%)

Serbia	716.9	1887.5 (263%)	-477.4 (-67%)	-693.2 (-97%)
Slovakia	-436	680.8 (-156%)	91.6 (-21%)	-1208.4 (277%)
Slovenia	-25.8	277.5 (-1076%)	43.2 (-167%)	-346.5 (1343%)
Eastern Europe	-1587.1	18095.5 (-1140%)	-11191.2 (705%)	-8491.4 (535%)
Belarus	1796.9	516.5 (29%)	-315.7 (-18%)	1596.1 (89%)
Estonia	782.8	223.2 (29%)	-138.2 (-18%)	697.8 (89%)
Latvia	839.4	271.3 (32%)	-382.7 (-46%)	950.8 (113%)
Lithuania	664.6	377.6 (57%)	-385 (-58%)	672 (101%)
Republic of Moldova	1111.4	386.4 (35%)	-319.4 (-29%)	1044.4 (94%)
Russian Federation	-19716.8	14562.2 (-74%)	-3402.1 (17%)	-30876.9 (157%)
Ukraine	12934.6	2400 (19%)	-3446.5 (-27%)	13981.1 (108%)
Australasia	14900.2	6409.7 (43%)	6567.5 (44%)	1923 (13%)
Australia	12245.9	5424.6 (44%)	5687.5 (46%)	1133.8 (9%)

New Zealand	2654.4	1012.7 (38%)	864.7 (33%)	777 (29%)
High-income Asia Pacific	-9333	21379.1 (-229%)	5855.2 (-63%)	-36567.3 (392%)
Brunei Darussalam	158.8	64.8 (41%)	141.1 (89%)	-47.1 (-30%)
Japan	5838.1	19462.6 (333%)	928.1 (16%)	-14552.6 (-249%)
Republic of Korea	-13627	6279.7 (-46%)	3771.3 (-28%)	-23678 (174%)
Singapore	752.6	659.3 (88%)	1403.4 (186%)	-1310.1 (-174%)
High-income North America	132661.3	33093.9 (25%)	62866 (47%)	36701.4 (28%)
Canada	9313.1	3913.1 (42%)	3885.6 (42%)	1514.4 (16%)
Greenland	12.6	11.8 (94%)	0.5 (4%)	0.3 (2%)
United States of America	142507.6	37255.3 (26%)	56513.8 (40%)	48738.5 (34%)
Southern Latin America	16559.3	6431.3 (39%)	10499.2 (63%)	-371.2 (-2%)
Argentina	11313.5	3530.1 (31%)	8193.4 (72%)	-410 (-4%)

Chile	5186.6	2401.5 (46%)	2296.6 (44%)	488.5 (9%)
Uruguay	261	114.8 (44%)	131.9 (51%)	14.3 (5%)
Western Europe	57176	45995.5 (80%)	23234.3 (41%)	-12053.8 (-21%)
Andorra	17.3	10.3 (60%)	10.7 (62%)	-3.7 (-21%)
Austria	3361.6	951.1 (28%)	578.3 (17%)	1832.2 (55%)
Belgium	1077.1	823.9 (76%)	553.2 (51%)	-300 (-28%)
Cyprus	252.1	220 (87%)	316.5 (126%)	-284.4 (-113%)
Denmark	1107.6	263.2 (24%)	237.6 (21%)	606.8 (55%)
Finland	606	291.6 (48%)	122.6 (20%)	191.8 (32%)
France	4911.6	5721.1 (116%)	2840.4 (58%)	-3649.9 (-74%)
Germany	26137.1	12748.4 (49%)	2879.6 (11%)	10509.1 (40%)
Greece	1151.9	3279.3 (285%)	-29 (-3%)	-2098.4 (-182%)
Iceland	142.4	-10.7 (-8%)	36.9 (26%)	116.2 (82%)

Ireland	365.3	337.8 (92%)	454.7 (124%)	-427.2 (-117%)
Israel	2439.2	654.9 (27%)	2020.7 (83%)	-236.4 (-10%)
Italy	3455.3	10178.3 (295%)	1914.8 (55%)	-8637.8 (-250%)
Luxembourg	102.5	21 (20%)	94.9 (93%)	-13.4 (-13%)
Malta	91.6	90.1 (98%)	34.9 (38%)	-33.4 (-36%)
Monaco	5.7	0.5 (9%)	2.5 (44%)	2.7 (47%)
Netherlands	2376.9	1461.5 (61%)	737.2 (31%)	178.2 (7%)
Norway	661.5	133.4 (20%)	398.2 (60%)	129.9 (20%)
Portugal	1404.6	2397.8 (171%)	334.1 (24%)	-1327.3 (-94%)
San Marino	4.4	1.6 (36%)	2.2 (50%)	0.6 (14%)
Spain	752.1	7456.2 (991%)	3599.6 (479%)	-10303.7 (-1370%)
Sweden	1916.5	386.3 (20%)	591 (31%)	939.2 (49%)
Switzerland	1319	420.3 (32%)	537.6 (41%)	361.1 (27%)

United Kingdom	3563.7	2124.3 (60%)	3120.4 (88%)	-1681 (-47%)
Andean Latin America	57039.5	17266.7 (30%)	36448.6 (64%)	3324.2 (6%)
Bolivia (Plurinational State of)	13669.2	3554.7 (26%)	10375.7 (76%)	-261.2 (-2%)
Ecuador	26565.2	5391.7 (20%)	11467.4 (43%)	9706.1 (37%)
Peru	16805.1	8012.2 (48%)	15344 (91%)	-6551.1 (-39%)
Caribbean	46084	11530.3 (25%)	18471.3 (40%)	16082.4 (35%)
Antigua and Barbuda	129.4	36.8 (28%)	56 (43%)	36.6 (28%)
Bahamas	528.9	171.2 (32%)	231.7 (44%)	126 (24%)
Barbados	311.9	112.9 (36%)	75.9 (24%)	123.1 (39%)
Belize	795.9	118 (15%)	382.8 (48%)	295.1 (37%)
Bermuda	22.6	26 (115%)	6.3 (28%)	-9.7 (-43%)
Cuba	7956.7	2945.7 (37%)	631.1 (8%)	4379.9 (55%)

Dominica	89.3	45.2 (51%)	-12.3 (-14%)	56.4 (63%)
Dominican Republic	11917.8	2521.5 (21%)	4905.7 (41%)	4490.6 (38%)
Grenada	170.5	68.5 (40%)	46.3 (27%)	55.7 (33%)
Guyana	1243.8	449.4 (36%)	18.6 (1%)	775.8 (62%)
Haiti	10989.8	1217.6 (11%)	12015.7 (109%)	-2243.5 (-20%)
Jamaica	3453	1077 (31%)	741.7 (21%)	1634.3 (47%)
Puerto Rico	2625.2	2672.5 (102%)	-100.6 (-4%)	53.3 (2%)
Saint Kitts and Nevis	100.9	47.1 (47%)	56.2 (56%)	-2.4 (-2%)
Saint Lucia	268	138.6 (52%)	80.8 (30%)	48.6 (18%)
Saint Vincent and the Grenadines	163	80.7 (50%)	8.1 (5%)	74.2 (46%)
Suriname	1128.6	267.5 (24%)	450.1 (40%)	411 (36%)
Trinidad and Tobago	2480.4	939.6 (38%)	385 (16%)	1155.8 (47%)

United States Virgin Islands	123.7	74.2 (60%)	-2 (-2%)	51.5 (42%)
Central Latin America	552438.2	142749.4 (26%)	178709 (32%)	230979.8 (42%)
Colombia	17281.4	13204 (76%)	17057.8 (99%)	-12980.4 (-75%)
Costa Rica	5899.1	1716.1 (29%)	2039.2 (35%)	2143.8 (36%)
El Salvador	20376.1	4228.3 (21%)	2736.2 (13%)	13411.6 (66%)
Guatemala	33127.6	3814.4 (12%)	20571.7 (62%)	8741.5 (26%)
Honduras	14331.7	2712.3 (19%)	8571.7 (60%)	3047.7 (21%)
Mexico	390049.2	100453.6 (26%)	103444.1 (27%)	186151.5 (48%)
Nicaragua	18078.1	4646.4 (26%)	6897.5 (38%)	6534.2 (36%)
Panama	5024.4	884.2 (18%)	2214.7 (44%)	1925.5 (38%)
Venezuela (Bolivarian Republic of)	48270.5	13659.9 (28%)	13853.6 (29%)	20757 (43%)
Tropical Latin America	113693.1	72685.7 (64%)	82901.1 (73%)	-41893.7 (-37%)

Brazil	105175.8	71194.9 (68%)	79565.6 (76%)	-45584.7 (-43%)
Paraguay	8517.1	1561.8 (18%)	3262.9 (38%)	3692.4 (43%)
North Africa and Middle East	161759.8	40451.6 (25%)	143928 (89%)	-22619.8 (-14%)
Afghanistan	13676.3	-3082.1 (-23%)	21929.8 (160%)	-5171.4 (-38%)
Algeria	9965.7	3914.1 (39%)	9036.1 (91%)	-2984.5 (-30%)
Bahrain	519.8	113.2 (22%)	380.5 (73%)	26.1 (5%)
Egypt	30443.4	4277.7 (14%)	25267.5 (83%)	898.2 (3%)
Iran (Islamic Republic of)	13055.6	7463.4 (57%)	11448.1 (88%)	-5855.9 (-45%)
Iraq	15464.3	2306.9 (15%)	16263.9 (105%)	-3106.5 (-20%)
Jordan	8025.4	1162.8 (14%)	5296 (66%)	1566.6 (20%)
Kuwait	879.7	216 (25%)	991 (113%)	-327.3 (-37%)
Lebanon	1072.5	425.2 (40%)	981.2 (91%)	-333.9 (-31%)

Libya	2298.3	789.9 (34%)	1324.9 (58%)	183.5 (8%)
Morocco	11002.5	3015.7 (27%)	5187.5 (47%)	2799.3 (25%)
Oman	955.7	113.5 (12%)	649.1 (68%)	193.1 (20%)
Palestine	1258.5	161.1 (13%)	1614 (128%)	-516.6 (-41%)
Qatar	888.6	69.6 (8%)	794.6 (89%)	24.4 (3%)
Saudi Arabia	20592.4	4955.5 (24%)	13554.4 (66%)	2082.5 (10%)
Sudan	9570	-3.7 (0%)	11892.2 (124%)	-2318.5 (-24%)
Syrian Arab Republic	-723.8	1961.1 (-271%)	1291 (-178%)	-3975.9 (549%)
Tunisia	3059.6	1402.4 (46%)	1611.8 (53%)	45.4 (1%)
Turkey	7991.2	8951.6 (112%)	10977.6 (137%)	-11938 (-149%)
United Arab Emirates	7414.6	1284.9 (17%)	5872.9 (79%)	256.8 (3%)
Yemen	7206.1	664.4 (9%)	6567.8 (91%)	-26.1 (0%)
South Asia	817761.3	258440.9 (32%)	717200.8 (88%)	-157880.4 (-19%)

Bangladesh	8407.7	4677.5 (56%)	31373.6 (373%)	-27643.4 (-329%)
Bhutan	332.9	186.2 (56%)	145.5 (44%)	1.2 (0%)
India	517673.4	226464.4 (44%)	531197.9 (103%)	-239988.9 (-46%)
Nepal	15505.9	4300 (28%)	9856.1 (64%)	1349.8 (9%)
Pakistan	275841.4	10030 (4%)	162796.4 (59%)	103015 (37%)
East Asia	98228.9	183347.7 (187%)	125780.1 (128%)	-210898.9 (-215%)
China	85689.2	175233.9 (204%)	120387.7 (140%)	-209932.4 (-245%)
Democratic People's Republic of Korea	4348.3	2428.7 (56%)	3379.7 (78%)	-1460.1 (-34%)
Taiwan (Province of China)	8191.4	6077.1 (74%)	2051.1 (25%)	63.2 (1%)
Oceania	6655.8	335.7 (5%)	4648.9 (70%)	1671.2 (25%)
American Samoa	45.4	13.2 (29%)	8.6 (19%)	23.6 (52%)
Cook Islands	7.7	4.7 (61%)	-0.6 (-8%)	3.6 (47%)

Fiji	516.4	158.9 (31%)	152.4 (30%)	205.1 (40%)
Guam	110.4	22.6 (20%)	27.4 (25%)	60.4 (55%)
Kiribati	94.9	10.3 (11%)	58.1 (61%)	26.5 (28%)
Marshall Islands	45.1	16.2 (36%)	12 (27%)	16.9 (37%)
Micronesia (Federated States of)	103	20.5 (20%)	-1.1 (-1%)	83.6 (81%)
Nauru	5.3	0.9 (17%)	0.5 (9%)	3.9 (74%)
Niue	0.4	0.5 (125%)	-0.8 (-200%)	0.7 (175%)
Northern Mariana Islands	29	21.2 (73%)	-2.9 (-10%)	10.7 (37%)
Palau	22.8	9.3 (41%)	5.1 (22%)	8.4 (37%)
Papua New Guinea	3643.6	169.5 (5%)	2910.9 (80%)	563.2 (15%)
Samoa	102.6	24.8 (24%)	43.7 (43%)	34.1 (33%)
Solomon Islands	226.7	78.1 (34%)	352.4 (155%)	-203.8 (-90%)

Tokelau	0.3	0.2 (67%)	-0.2 (-67%)	0.3 (100%)
Tonga	45	12.1 (27%)	4.6 (10%)	28.3 (63%)
Tuvalu	6.1	0.9 (15%)	3 (49%)	2.2 (36%)
Vanuatu	219.6	22.8 (10%)	112.8 (51%)	84 (38%)
Southeast Asia	162985.2	43652.3 (27%)	139671.7 (86%)	-20338.8 (-12%)
Cambodia	1938.7	737.9 (38%)	3391.4 (175%)	-2190.6 (-113%)
Indonesia	47747.7	14207.9 (30%)	51056 (107%)	-17516.2 (-37%)
Lao People's Democratic Republic	1434.2	425.7 (30%)	2475.8 (173%)	-1467.3 (-102%)
Malaysia	8388	2020.9 (24%)	5776 (69%)	591.1 (7%)
Maldives	104.6	46.6 (45%)	154.6 (148%)	-96.6 (-92%)
Mauritius	1164.2	362.3 (31%)	196.8 (17%)	605.1 (52%)
Myanmar	4812.4	1795.2 (37%)	11796.8 (245%)	-8779.6 (-182%)

Philippines	67109.1	9009.1 (13%)	41015.1 (61%)	17084.9 (25%)
Seychelles	52	10.8 (21%)	19.4 (37%)	21.8 (42%)
Sri Lanka	3775.6	1486.6 (39%)	2388.6 (63%)	-99.6 (-3%)
Thailand	7778.3	7353.8 (95%)	8873.2 (114%)	-8448.7 (-109%)
Timor-Leste	235.8	31.8 (13%)	277.8 (118%)	-73.8 (-31%)
Viet Nam	18236.8	6473.3 (35%)	13274.3 (73%)	-1510.8 (-8%)
Central Africa	Sub-Saharan 57951	1016.9 (2%)	88175.7 (152%)	-31241.6 (-54%)
Angola	14805.7	-271.8 (-2%)	22539.5 (152%)	-7462 (-50%)
Central African Republic	3652.3	75.5 (2%)	3842.3 (105%)	-265.5 (-7%)
Congo	2461.6	457.7 (19%)	3873.1 (157%)	-1869.2 (-76%)
Democratic Republic of the Congo	35095.9	923.9 (3%)	55236.8 (157%)	-21064.8 (-60%)
Equatorial Guinea	791	-0.9 (0%)	1180.3 (149%)	-388.4 (-49%)

Gabon		1144.5	158.6 (14%)	1164.8 (102%)	-178.9 (-16%)
Eastern Africa	Sub-Saharan	182116.5	7482.1 (4%)	275384.7 (151%)	-100750.3 (-55%)
Burundi		4205.5	-24.8 (-1%)	8384.3 (199%)	-4154 (-99%)
Comoros		338.3	110.5 (33%)	311.8 (92%)	-84 (-25%)
Djibouti		986.9	127.2 (13%)	777.9 (79%)	81.8 (8%)
Eritrea		4811.9	478.1 (10%)	4694.1 (98%)	-360.3 (-7%)
Ethiopia		-1647.7	2151.1 (-131%)	78030.1 (-4736%)	-81828.9 (4966%)
Kenya		32810.3	4042.7 (12%)	24240.9 (74%)	4526.7 (14%)
Madagascar		8338.3	487 (6%)	16842.9 (202%)	-8991.6 (-108%)
Malawi		14923.3	-34.9 (0%)	13473.5 (90%)	1484.7 (10%)
Mozambique		19549.9	-674.3 (-3%)	18812.1 (96%)	1412.1 (7%)
Rwanda		1725.4	987.9 (57%)	7507.2 (435%)	-6769.7 (-392%)

Somalia	16321.6	20.4 (0%)	17524.8 (107%)	-1223.6 (-7%)
South Sudan	2860.4	-12.9 (0%)	3819.8 (134%)	-946.5 (-33%)
Uganda	23829.1	-388.6 (-2%)	22769.7 (96%)	1448 (6%)
United Republic of Tanzania	48799.7	1065 (2%)	43020.7 (88%)	4714 (10%)
Zambia	11703.8	378.2 (3%)	15284.3 (131%)	-3958.7 (-34%)
Southern Sub-Saharan Africa	47969.4	16010 (33%)	33214.9 (69%)	-1255.5 (-3%)
Botswana	2117.4	476.7 (23%)	1130.6 (53%)	510.1 (24%)
Eswatini	1180	243.6 (21%)	458.7 (39%)	477.7 (40%)
Lesotho	2211.8	308.2 (14%)	379.1 (17%)	1524.5 (69%)
Namibia	943.5	199.3 (21%)	812.7 (86%)	-68.5 (-7%)
South Africa	31345.5	13134.1 (42%)	26327.9 (84%)	-8116.5 (-26%)
Zimbabwe	10171.2	1446.1 (14%)	4143.2 (41%)	4581.9 (45%)

Western Africa	Sub-Saharan	266931.6	-5753.5 (-2%)	377277.1 (141%)	-104592 (-39%)
Benin		9565.3	99.3 (1%)	11374.4 (119%)	-1908.4 (-20%)
Burkina Faso		18920.2	-228.4 (-1%)	17720.8 (94%)	1427.8 (8%)
Cabo Verde		276.6	65.3 (24%)	192.6 (70%)	18.7 (7%)
Cameroon		27697.7	758.1 (3%)	28749.1 (104%)	-1809.5 (-7%)
Chad		12560	-627.3 (-5%)	14191.9 (113%)	-1004.6 (-8%)
Côte d'Ivoire		15945.4	1268 (8%)	18363 (115%)	-3685.6 (-23%)
Gambia		3470.2	-236.8 (-7%)	3470.3 (100%)	236.7 (7%)
Ghana		26724.4	2728.8 (10%)	23022.9 (86%)	972.7 (4%)
Guinea		7914.3	-520.6 (-7%)	11550.1 (146%)	-3115.2 (-39%)
Guinea-Bissau		865	84.6 (10%)	1891.2 (219%)	-1110.8 (-128%)
Liberia		2383.1	11.4 (0%)	4709.3 (198%)	-2337.6 (-98%)

Mali	13388.1	-549.4 (-4%)	21790.6 (163%)	-7853.1 (-59%)
Mauritania	618	163.1 (26%)	2767.1 (448%)	-2312.2 (-374%)
Niger	12473.2	-114.8 (-1%)	23382.9 (187%)	-10794.9 (-87%)
Nigeria	98824.2	-7647.9 (-8%)	172246.4 (174%)	-65774.3 (-67%)
Sao Tome and Principe	164.9	19.2 (12%)	161 (98%)	-15.3 (-9%)
Senegal	6780.9	773.4 (11%)	11827.4 (174%)	-5819.9 (-86%)
Sierra Leone	5201.2	-199.9 (-4%)	6815.3 (131%)	-1414.2 (-27%)
Togo	5059.6	615.6 (12%)	5820.7 (115%)	-1376.7 (-27%)

Supplemental Table 8. Frontier age-standardized disability-adjusted life-years and corresponding effective difference of CKD due to glomerulonephritis in 2019 in 204 countries or territories

Location	Sociodemographic-index	Age-standardized disability-adjusted life-years	Frontier age-standardized disability-adjusted life-years	Effective difference	Trend of age-standardized disability-adjusted life-years from 1990 to 2019	Effective difference rank (Age-standardized disability-adjusted life-years rank)
Afghanistan	34.3	103.6	51.7	51.9	Decrease	89 (106)
Albania	68.1	52	18.8	33.2	Decrease	62 (57)
Algeria	65.2	60.6	18.8	41.8	Decrease	74 (74)
American Samoa	71.2	157.6	19.1	138.5	Increase	160 (150)
Andorra	89.4	26.9	9	17.9	Decrease	26 (17)
Angola	47	133.2	30.6	102.7	Decrease	130 (128)
Antigua and Barbuda	74.3	215.5	19	196.5	Increase	184 (183)
Argentina	70.8	64.1	19.1	45	Decrease	81 (80)

Armenia	68.9	46.2	18.7	27.4	Increase	45 (44)
Australia	83.9	55.9	12.6	43.4	Increase	78 (67)
Austria	84.9	37.2	10.1	27	Increase	42 (32)
Azerbaijan	68.3	85.7	18.9	66.8	Increase	98 (95)
Bahrain	75.1	54.6	18.9	35.6	Decrease	66 (63)
Bangladesh	48.3	60	29.2	30.8	Decrease	55 (72)
Barbados	74.2	158.6	19.1	139.5	Increase	162 (153)
Belarus	74.5	34.4	18.9	15.6	Increase	23 (28)
Belgium	85.1	23.7	9.9	13.8	Decrease	18 (13)
Belize	60.3	276.9	19.1	257.9	Increase	195 (194)
Benin	35.2	168.9	51.4	117.5	Decrease	148 (162)
Bermuda	81.3	91.6	14.7	76.8	Decrease	106 (99)
Bhutan	45.5	123.1	32.8	90.4	Increase	117 (118)

Bolivia	56.6	248.6	19.3	229.3	Increase	193 (193)
Bosnia and Herzegovina	71.8	51.1	19	32.1	Decrease	60 (54)
Botswana	63.4	158.4	18.6	139.8	Increase	163 (152)
Brazil	64	112.9	19.1	93.7	Decrease	119 (111)
Brunei	82.3	85.9	14.7	71.2	Decrease	100 (96)
Bulgaria	76.4	87.8	16.3	71.4	Increase	101 (98)
Burkina Faso	25.7	165.9	54.3	111.6	Increase	141 (159)
Burundi	28.4	152.1	52.7	99.4	Decrease	128 (140)
Côte d'Ivoire	40.8	150.6	42.1	108.6	Decrease	134 (138)
Cambodia	46.9	50.3	30.5	19.8	Decrease	33 (51)
Cameroon	49	180.1	29.4	150.7	Decrease	168 (168)
Canada	87.3	33.6	9	24.6	Increase	38 (26)

Cape Verde	52.5	104.7	29.3	75.4	Increase	104 (108)
Central African Republic	27.4	194.1	52.9	141.2	Decrease	164 (175)
Chad	23.8	168.7	58.7	110.1	Decrease	137 (161)
Chile	75.9	45.4	17.2	28.3	Increase	51 (42)
China	68.6	37.5	19	18.5	Decrease	29 (33)
Colombia	63.3	103.5	18.8	84.7	Decrease	111 (105)
Comoros	45.5	144.3	32.9	111.4	Decrease	140 (135)
Congo (Brazzaville)	56.8	152.5	19.2	133.3	Decrease	157 (142)
Cook Islands	76.4	86.4	16.3	70.1	Increase	99 (97)
Costa Rica	68	158	19.1	138.9	Increase	161 (151)
Croatia	79.4	38.4	14.7	23.7	Increase	37 (35)
Cuba	66.8	104	19.1	84.9	Increase	112 (107)

Cyprus	84.1	39.8	12.1	27.7	Decrease	47 (37)
Czech Republic	82.8	27.5	14.5	12.9	Decrease	16 (20)
Denmark	89	27.4	9.1	18.3	Increase	27 (19)
Djibouti	45.9	155.5	32.5	122.9	Increase	153 (145)
Dominica	72.9	302.5	18.9	283.6	Increase	199 (199)
Dominican Republic	59.2	181.1	19	162.1	Increase	172 (169)
DR Congo	38.2	131.1	45.6	85.6	Decrease	113 (127)
Ecuador	64	228.2	19.1	209.1	Increase	190 (188)
Egypt	65.8	78	19	59	Increase	96 (91)
El Salvador	57.3	444.9	19.4	425.5	Increase	203 (203)
Equatorial Guinea	68.5	139.6	18.9	120.7	Decrease	151 (132)
Eritrea	39.6	170.4	42.5	127.8	Decrease	155 (164)

Estonia	83.5	54.6	13.8	40.8	Increase	72 (64)
eSwatini	57.7	225.5	19.2	206.3	Increase	189 (187)
Ethiopia	34.3	127.7	51.7	76	Decrease	105 (123)
Federated States of Micronesia	58	212.5	18.9	193.6	Increase	183 (179)
Fiji	66.4	127.1	19	108.2	Increase	132 (121)
Finland	85.6	16.6	9.2	7.4	Increase	6 (2)
France	83.4	20	13.8	6.2	Decrease	4 (6)
Gabon	65.6	182.3	19.1	163.2	Decrease	173 (170)
Georgia	70.2	62	19	43	Increase	77 (75.5)
Georgia	84.1	62	12.2	49.9	Increase	86 (75.5)
Germany	89.8	34.6	9	25.6	Increase	40 (30)
Ghana	55.7	172.8	19.1	153.7	Increase	170 (165)

Greece	79.4	41.8	14.8	27.1	Decrease	44 (38)
Greenland	76.1	48.1	17.1	31	Increase	56 (48)
Grenada	66.9	291.5	18.9	272.6	Increase	196 (196)
Guam	81.3	102.1	14.7	87.4	Increase	114 (103)
Guatemala	52.6	324.9	29.5	295.4	Increase	200 (201)
Guinea	32.5	193.7	51.8	141.9	Decrease	166 (174)
Guinea-Bissau	35.5	219.3	50.5	168.8	Decrease	176 (185)
Guyana	61.8	320.4	19	301.4	Increase	201 (200)
Haiti	43.2	241.1	41.9	199.1	Decrease	185 (192)
Honduras	49.6	285.1	29.6	255.6	Increase	194 (195)
Hungary	79.1	30.1	14.7	15.3	Increase	22 (23)
Iceland	86.9	18	9.1	9	Increase	8 (4)
India	56.6	103.2	19.2	84.1	Decrease	110 (104)

Indonesia	66	66.8	18.9	47.9	Decrease	84 (83)
Iran	67	46	19	27	Decrease	41 (43)
Iraq	67.1	82.5	19	63.5	Decrease	97 (94)
Ireland	86.7	24.7	9	15.7	Decrease	24 (15)
Israel	80.3	42.3	14.7	27.6	Decrease	46 (39)
Italy	80.1	27.3	14.7	12.5	Decrease	15 (18)
Jamaica	68.4	201	18.9	182.1	Increase	180 (178)
Japan	87	23.6	9	14.6	Decrease	19 (12)
Jordan	73.1	76.9	19	57.9	Decrease	94 (89)
Kazakhstan	72.3	59.5	18.9	40.6	Increase	71 (71)
Kenya	50.8	144.7	29.4	115.2	Increase	146 (136)
Kiribati	52.7	173.7	29.3	144.4	Increase	167 (166)
Kuwait	85.1	38.2	10	28.2	Decrease	50 (34)

Kyrgyzstan	59.6	72.7	18.9	53.8	Decrease	90 (87)
Laos	49	80.5	29.5	51	Decrease	88 (93)
Latvia	82	53.7	14.7	39	Increase	68 (59)
Lebanon	70.8	51.1	19	32.1	Decrease	59 (53)
Lesotho	50.7	213	29.6	183.5	Increase	181 (181)
Liberia	37	160.8	48	112.8	Decrease	142 (156)
Libya	70.9	64	18.9	45.2	Increase	82 (79)
Lithuania	84.3	42.4	11.7	30.6	Increase	54 (40)
Luxembourg	89.5	27.7	9	18.7	Decrease	30 (21)
Madagascar	39.6	124.2	42.4	81.8	Decrease	108 (120)
Malawi	38.4	154.3	44.9	109.4	Decrease	136 (144)
Malaysia	73.7	47.7	18.9	28.8	Increase	53 (47)
Maldives	56.2	51.7	19.3	32.4	Decrease	61 (55)

Mali	26.3	168.2	53.5	114.8	Decrease	145 (160)
Malta	80.1	33.2	14.8	18.5	Decrease	28 (24)
Marshall Islands	54.4	156.2	19.6	136.6	Increase	159 (148)
Mauritania	49.6	130	29.7	100.4	Decrease	129 (126)
Mauritius	70.5	123.2	19.2	104	Increase	131 (119)
Mexico	64.9	406	19	387	Increase	202 (202)
Moldova	69.6	50.3	19.1	31.2	Increase	57 (50)
Monaco	90.2	20.7	9	11.7	Increase	12 (7)
Mongolia	60.6	95.8	18.7	77.1	Decrease	107 (100)
Montenegro	79.1	72	14.7	57.3	Decrease	93 (86)
Morocco	54.8	60.5	19.3	41.2	Increase	73 (73)
Mozambique	30.7	163	52.1	111	Increase	139 (157)
Myanmar	52.1	79.6	29.4	50.2	Decrease	87 (92)

Namibia	61.2	110	18.9	91.1	Decrease	118 (110)
Nauru	61.8	194.5	18.9	175.6	Increase	177 (176)
Nepal	42.2	116.5	42	74.6	Increase	103 (117)
Netherlands	88.3	22.5	9	13.5	Decrease	17 (9)
New Zealand	84	66.9	12.1	54.8	Increase	91 (84)
Nicaragua	51.7	458.9	29.6	429.4	Increase	204 (204)
Niger	16.2	151.2	146.6	4.6	Decrease	2 (139)
Nigeria	51.5	152.4	29.7	122.7	Decrease	152 (141)
Niue	71.1	134.9	19	115.9	Increase	147 (129)
North Korea	55.8	54.3	19.3	35	Decrease	64 (61)
North Macedonia	74.4	58.4	19	39.4	Decrease	70 (70)
Northern Mariana Islands	77.1	142.7	15.4	127.3	Increase	154 (134)

Norway	91.3	24.8	9.1	15.7	Increase	25 (16)
Oman	78.3	38.4	14.8	23.6	Increase	36 (36)
Pakistan	44.9	234	33.5	200.5	Increase	187 (190)
Palau	73.8	197.5	19.1	178.4	Increase	179 (177)
Palestine	58.8	67.9	19.4	48.4	Decrease	85 (85)
Panama	68.6	169.7	18.8	150.9	Increase	169 (163)
Papua New Guinea	39.4	64.9	42.6	22.3	Increase	34 (81)
Paraguay	63.8	183.5	19.1	164.4	Increase	175 (171)
Peru	64.8	129.3	19	110.3	Decrease	138 (125)
Philippines	62.3	108.7	18.9	89.8	Increase	116 (109)
Poland	80.2	34.5	14.8	19.7	Decrease	32 (29)
Portugal	74.3	34.4	19.1	15.3	Decrease	21 (27)
Puerto Rico	81.4	156	14.7	141.3	Increase	165 (146)

Qatar	83	56.6	14.3	42.4	Decrease	75 (68)
Romania	76	55.5	17	38.5	Decrease	67 (66)
Russia	80.5	62.2	14.7	47.5	Decrease	83 (77)
Rwanda	42.9	135.7	41.9	93.7	Decrease	120 (130)
Saint Kitts and Nevis	14.0	293.3	19	274.3	Decrease	198 (198)
Saint Lucia	67	224.3	18.9	205.4	Increase	188 (186)
Saint Vincent and the Grenadines	62.7	235.7	19	216.7	Increase	192 (191)
Samoa	64.1	127.2	18.9	108.3	Increase	133 (122)
San Marino	88.4	17.2	9	8.1	Increase	7 (3)
Saudi Arabia	80.5	98.1	14.8	83.4	Increase	109 (102)
Senegal	38.9	163.4	43.6	119.8	Decrease	149 (158)
Serbia	76.7	54.8	15.8	39	Decrease	69 (65)

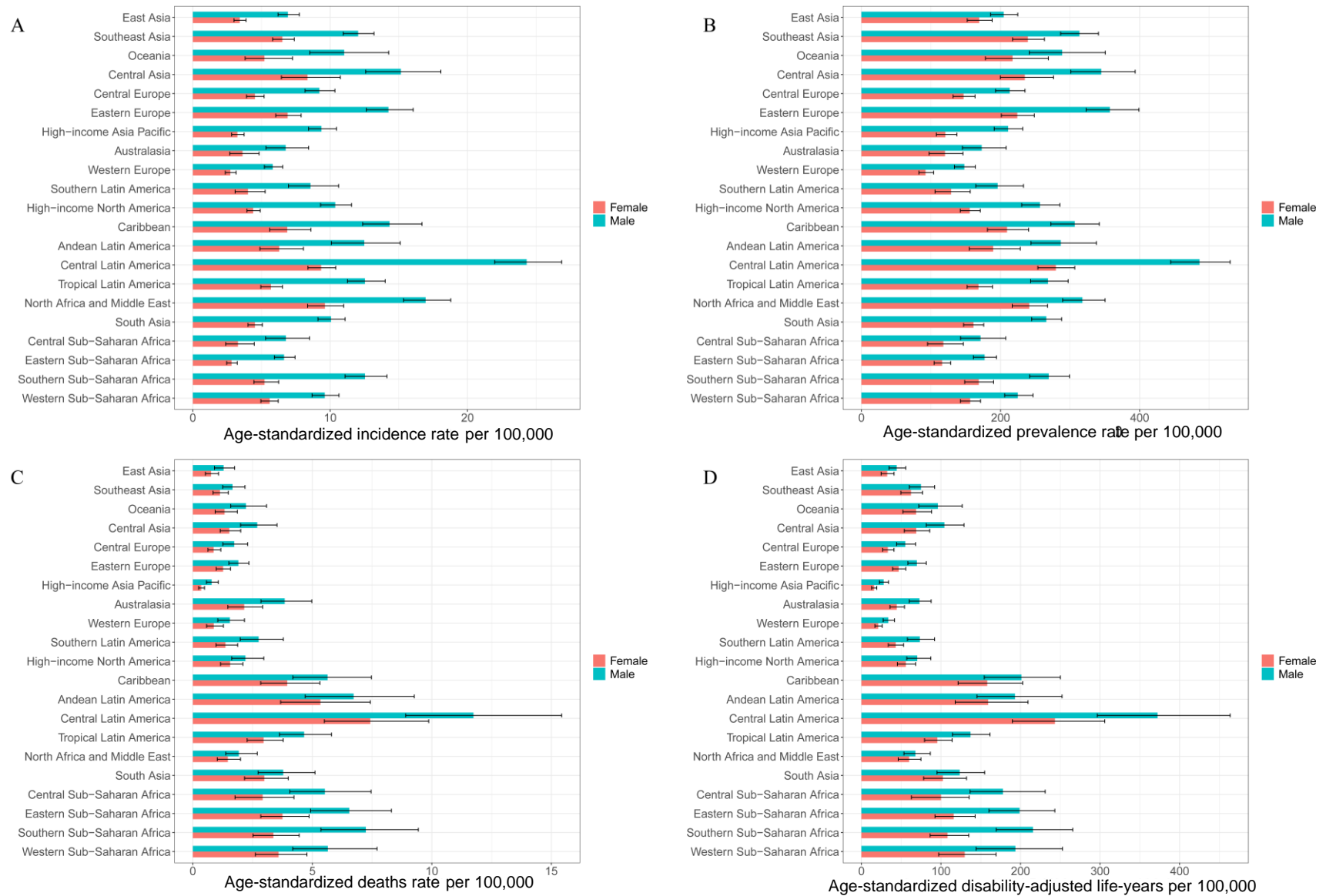
Seychelles	72.4	77.9	19	58.9	Increase	95 (90)
Sierra Leone	34.7	160.7	51.5	109.3	Decrease	135 (155)
Singapore	86.1	36.1	9.1	27	Decrease	43 (31)
Slovakia	81.2	33.5	14.8	18.7	Decrease	31 (25)
Slovenia	84	23.3	12.2	11.2	Decrease	11 (11)
Solomon Islands	40.7	116	42	73.9	Decrease	102 (115)
Somalia	8.1	186.9	186.9	0	Decrease	1 (173)
South Africa	67.8	153.4	18.9	134.5	Decrease	158 (143)
South Korea	87.8	15.2	9	6.1	Decrease	3 (1)
South Sudan	36.3	148.7	49.6	99.1	Decrease	127 (137)
Spain	76.7	23.2	15.8	7.4	Decrease	5 (10)
Sri Lanka	69	50.7	19.1	31.6	Decrease	58 (52)
Sudan	51.5	74.3	29.3	45	Decrease	80 (88)

Suriname	63.6	292.4	18.9	273.5	Increase	197 (197)
Sweden	87.2	23.9	9.1	14.8	Increase	20 (14)
Switzerland	92.9	19.1	9.1	10	Increase	10 (5)
Syria	61.9	64	19.1	44.9	Decrease	79 (78)
Taiwan (province of China)	86.8	51.9	9	42.9	Decrease	76 (56)
Tajikistan	53.9	49.3	26.3	23	Increase	35 (49)
Tanzania	42.3	217.6	41.9	175.7	Increase	178 (184)
Thailand	68.7	53.5	18.8	34.8	Decrease	63 (58)
The Bahamas	79.6	213.9	14.7	199.2	Increase	186 (182)
The Gambia	39.9	156.8	42.3	114.5	Decrease	144 (149)
Timor-Leste	51.4	57.4	29.4	28	Decrease	49 (69)
Togo	41.7	156.1	41.9	114.2	Decrease	143 (147)

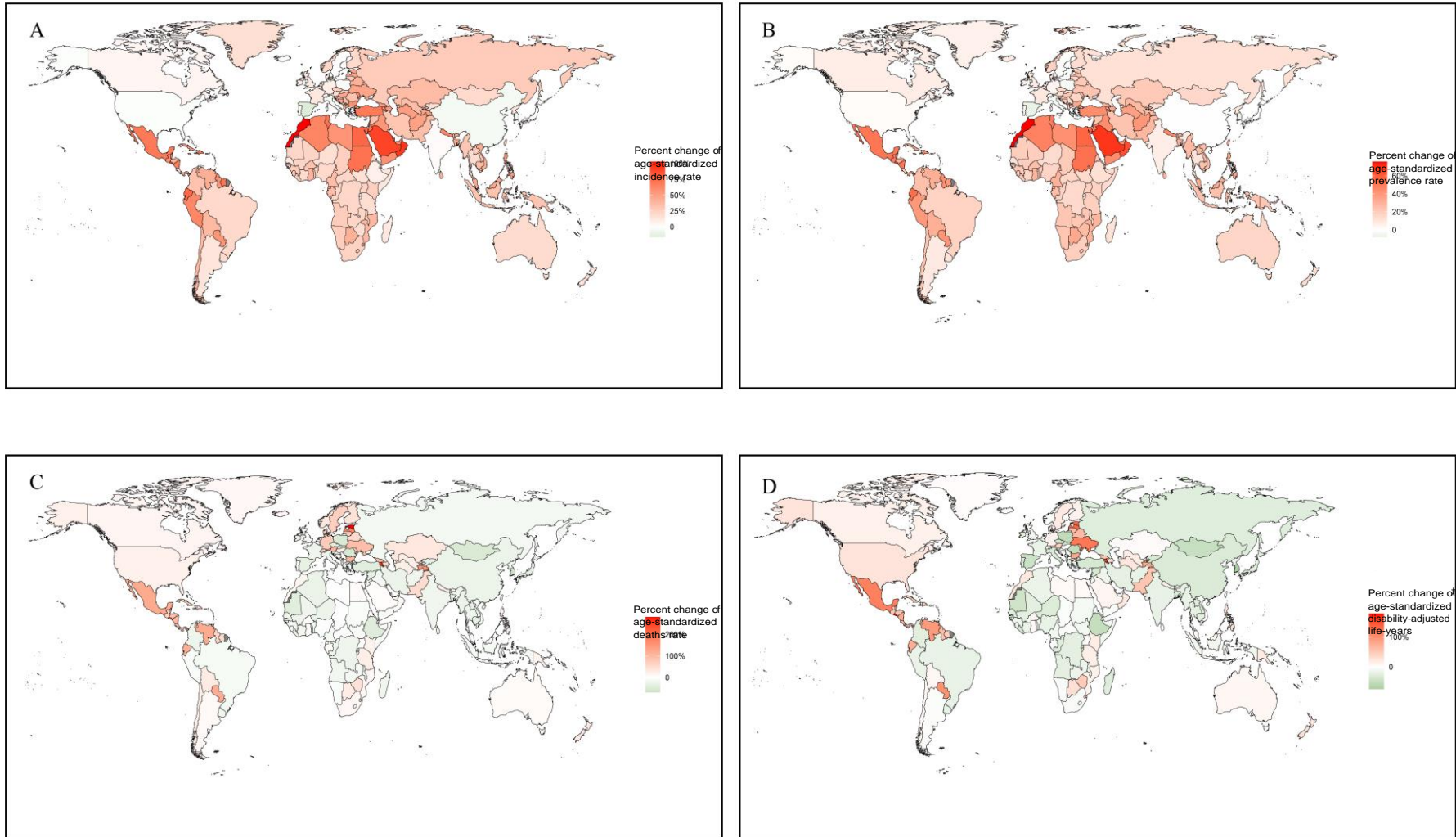
Tokelau	62.6	116	18.9	97.2	Increase	124 (116)
Tonga	63.6	114.2	18.9	95.3	Increase	122 (113)
Trinidad and Tobago	75.7	231.9	18.4	213.6	Increase	191 (189)
Tunisia	67.2	54.3	19	35.4	Decrease	65 (62)
Turkey	74.8	44	18.8	25.2	Decrease	39 (41)
Turkmenistan	67	115.1	18.9	96.2	Increase	123 (114)
Tuvalu	58.9	139.6	19.5	120.1	Increase	150 (131)
Uganda	40.4	141.3	42.3	99	Increase	126 (133)
UK	84.7	22.2	10.4	11.8	Decrease	13 (8)
Ukraine	73.6	46.9	19	27.8	Increase	48 (45)
United Arab Emirates	88	98	9	89	Decrease	115 (101)
Uruguay	69.7	29	19	10	Decrease	9 (22)

USA	85.9	65.9	9.3	56.7	Increase	92 (82)
Uzbekistan	63.1	113	18.9	94.1	Increase	121 (112)
Vanuatu	48.5	128	29.8	98.2	Increase	125 (124)
Venezuela	60.7	212.5	19.1	193.5	Increase	182 (180)
Vietnam	61.7	47.5	19	28.5	Decrease	52 (46)
Virgin Islands	79.9	178.2	14.7	163.5	Increase	174 (167)
Yemen	41.2	54.1	41.9	12.2	Decrease	14 (60)
Zambia	50.5	183.9	29.5	154.4	Decrease	171 (172)
Zimbabwe	47.6	158.9	29.8	129.1	Increase	156 (154)

Supplemental Figure 1. Age-standardized incidence (A), prevalence (B), deaths (C) and DALYs (D) rates of CKD due to glomerulonephritis per 100,000 population of in 2019 in 21 regions.



Supplemental Figure 2. Percent change of age-standardized incidence (A), prevalence (B), deaths (C) and DALYs (D) rates of CKD due to glomerulonephritis from 1990 to 2019 in 204 countries and territories, for both sexes.



Supplemental Figure 3. Global number of incident cases (A), prevalent cases (B), deaths (C) and DALYs (D) of CKD due to glomerulonephritis in 2019, by sex and age.

