

Supplementary Material

Global, regional, and national burdens of HIV/AIDS acquired through sexual transmission 1990–2019: an observational study

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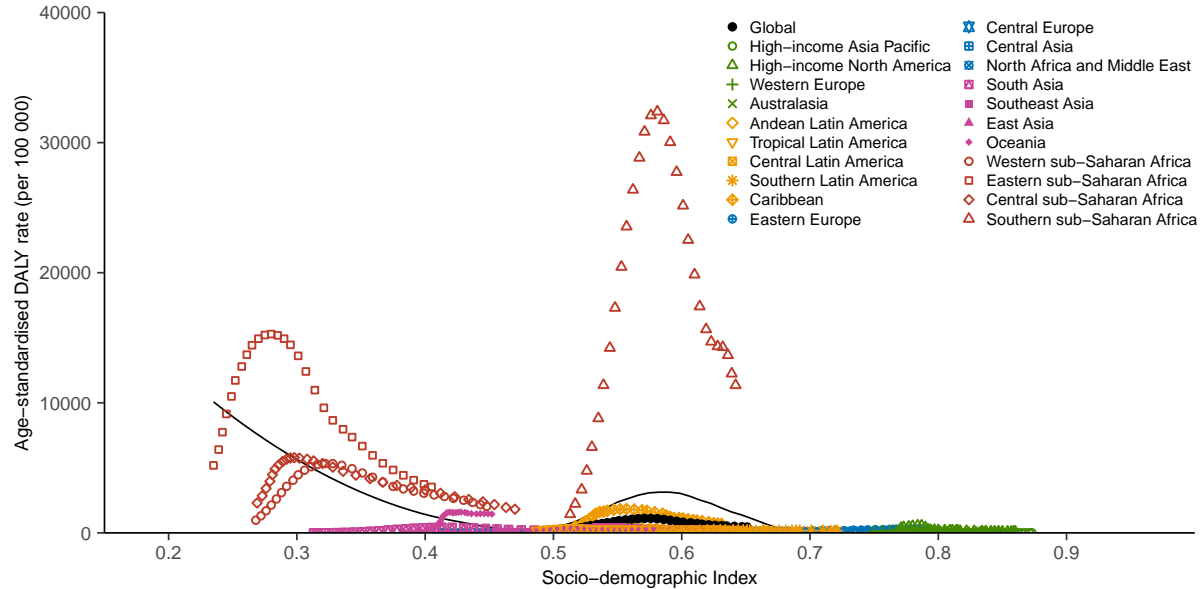
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Fig. S1. Age-standardised DALY rates of HIV/AIDS acquired through sexual transmission for 21 GBD regions by Socio-demographic Index, from 1990 to 2019. Expected values based on Socio-demographic Index and disease rates in all locations are shown as the black line. DALY = disability-adjusted life-year.

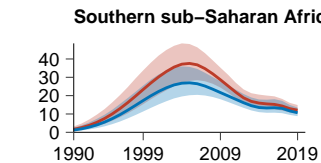
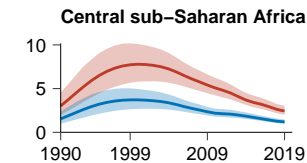
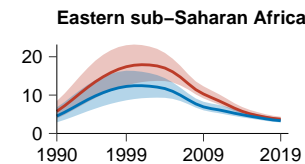
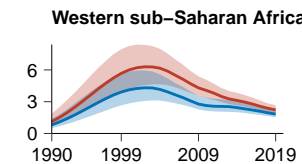
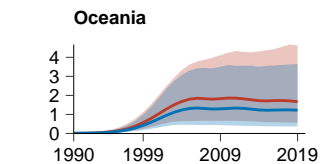
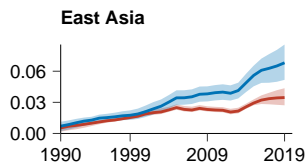
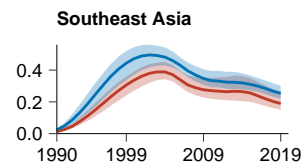
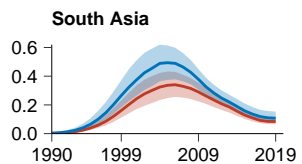
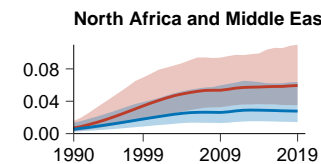
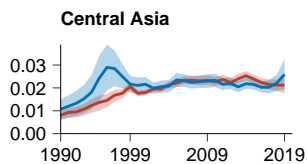
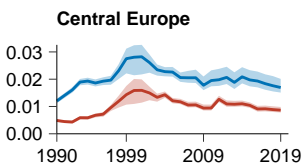
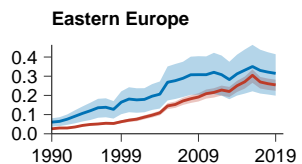
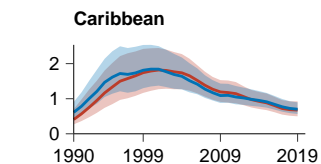
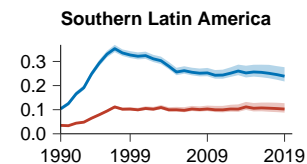
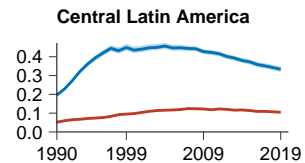
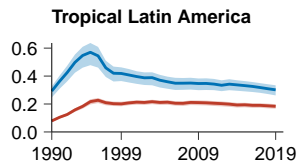
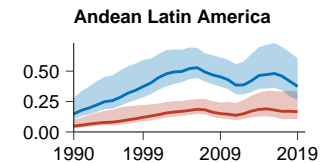
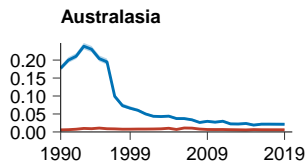
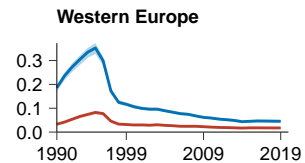
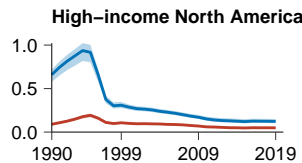
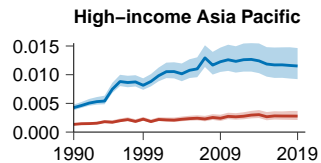
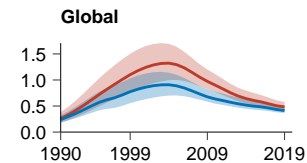
Fig. S2. Trend of age-standardised DALY rates of HIV/AIDS acquired through sexual transmission from 1990 to 2019, by sex and Global Burden of Disease region.

Fig. S3. Trend of age-standardised DALY rates of HIV/AIDS acquired through sexual transmission from 1990 to 2019, by sex and Global Burden of Disease country and territory.



Female Male

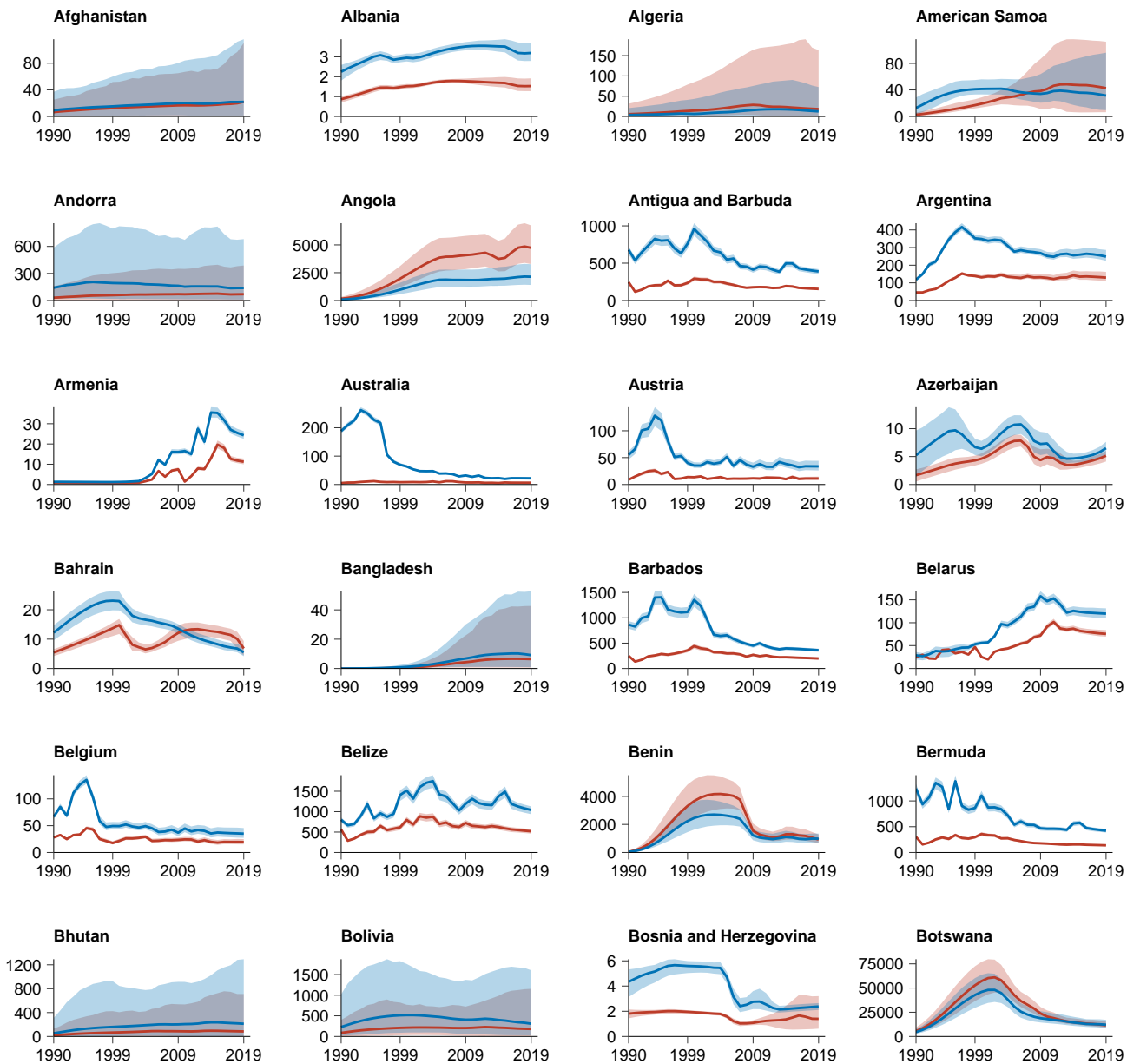
Age-standardised DALY rate (per 100 000)



Year

Female Male

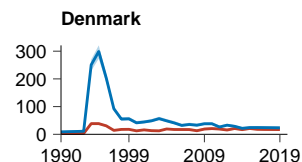
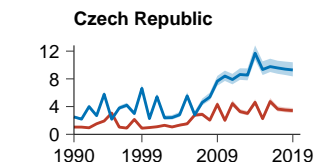
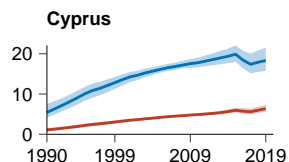
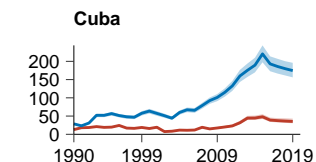
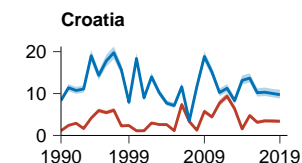
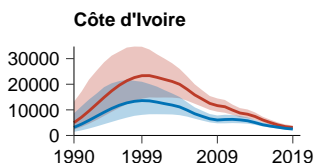
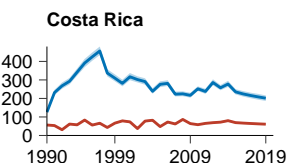
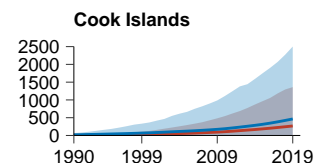
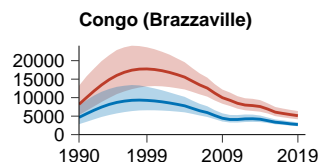
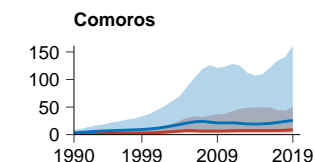
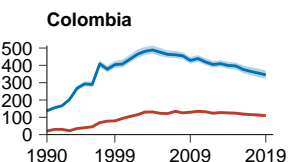
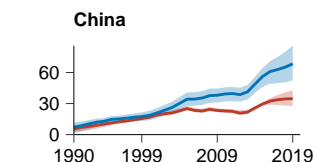
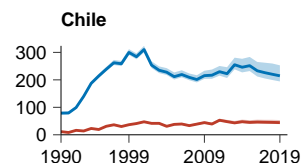
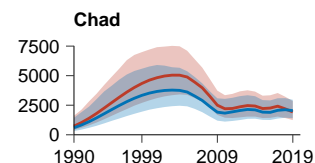
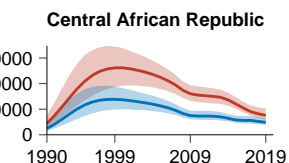
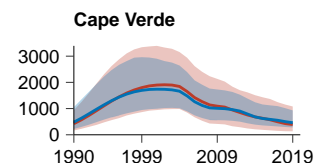
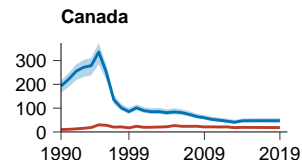
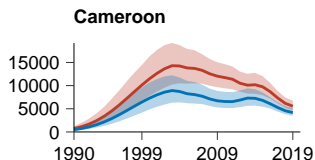
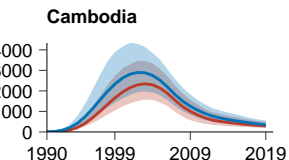
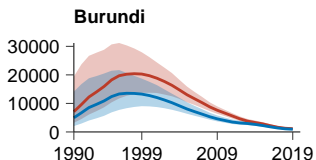
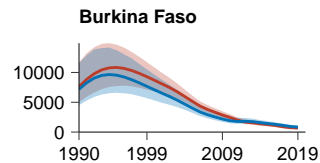
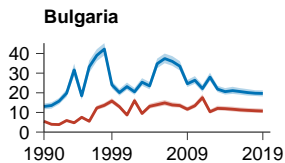
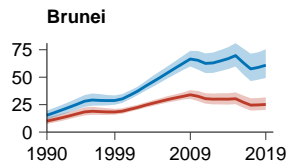
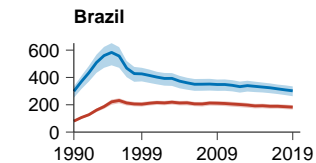
Age-standardised DALY rate (per 100 000)



Year

Female Male

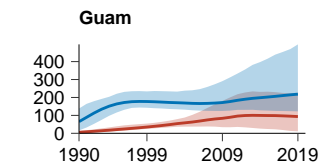
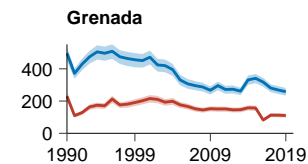
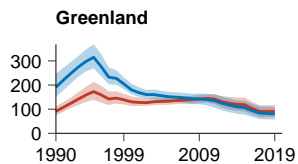
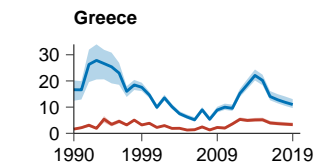
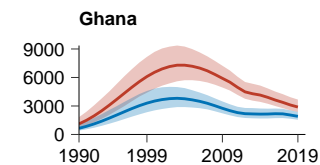
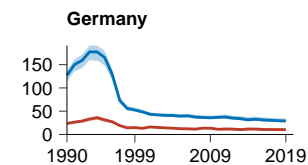
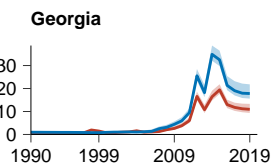
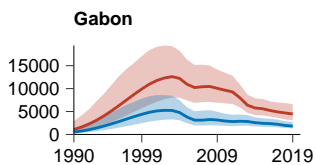
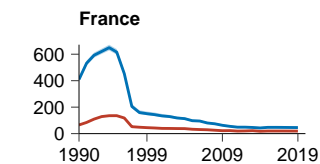
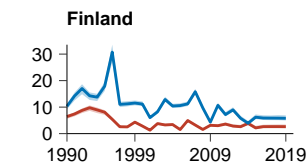
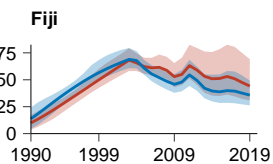
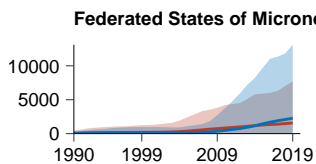
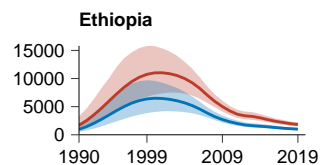
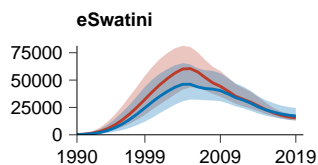
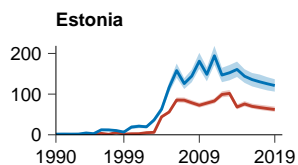
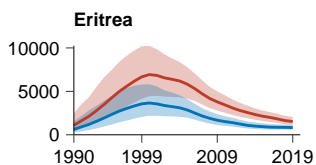
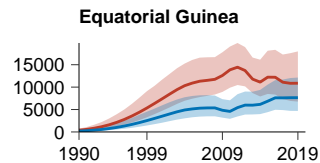
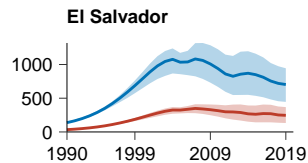
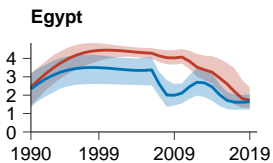
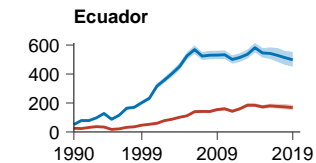
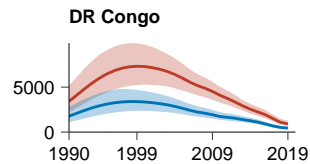
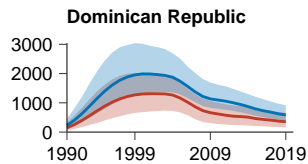
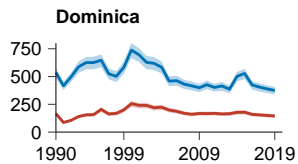
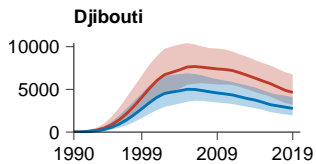
Age-standardised DALY rate (per 100 000)



Year

Female Male

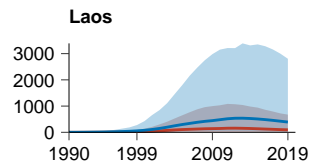
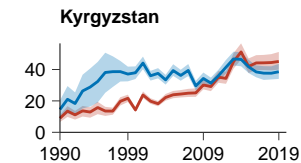
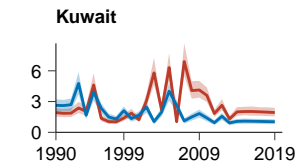
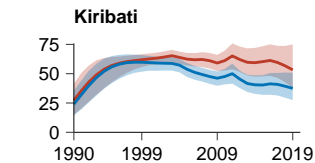
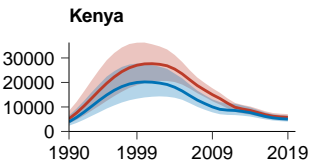
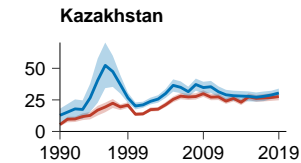
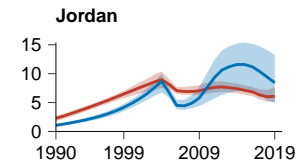
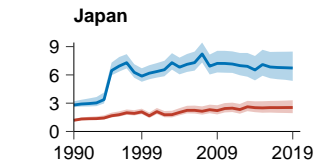
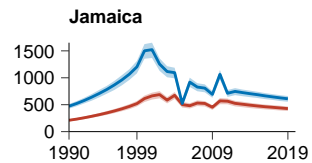
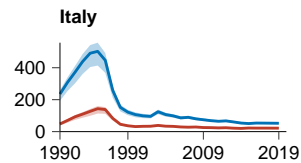
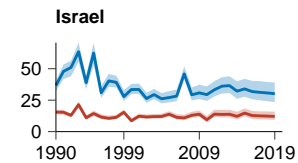
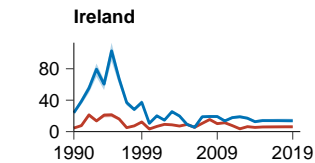
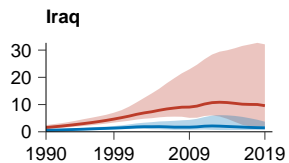
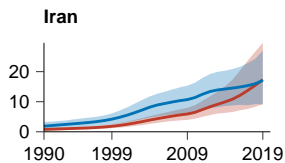
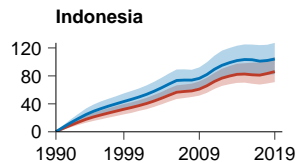
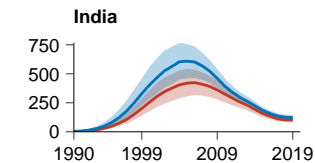
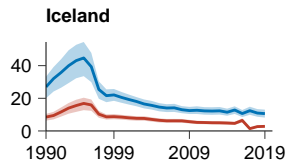
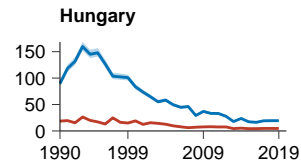
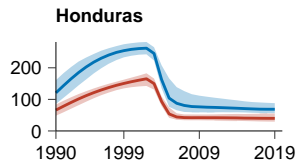
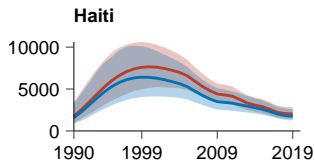
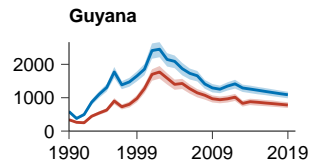
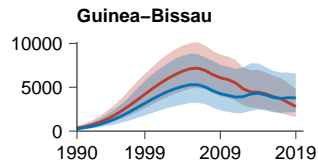
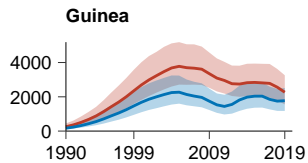
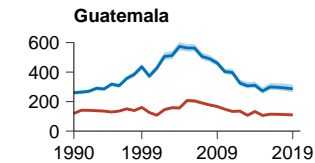
Age-standardised DALY rate (per 100 000)



Year

Female Male

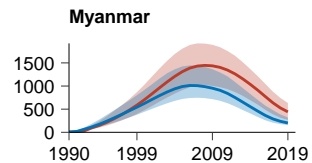
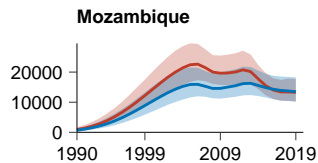
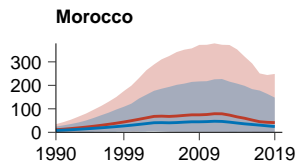
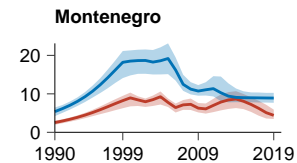
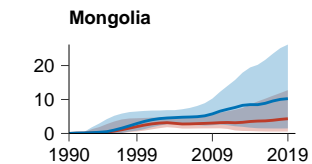
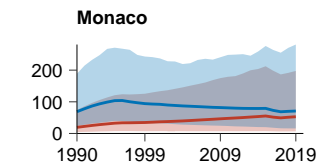
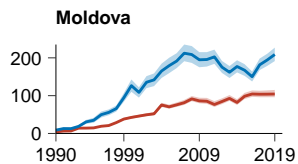
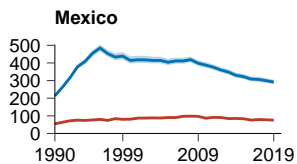
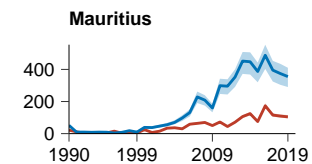
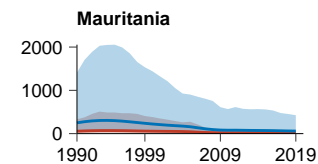
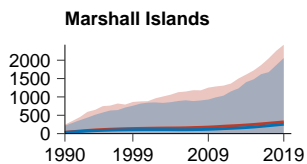
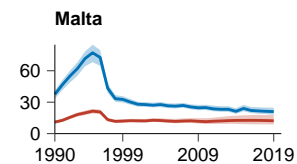
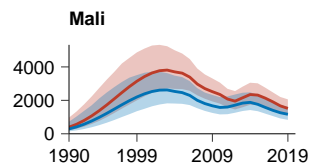
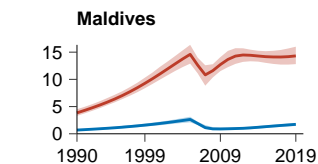
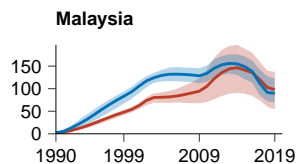
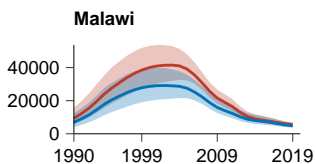
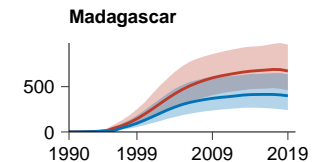
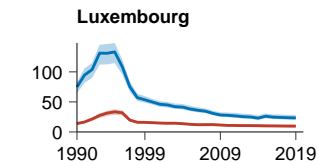
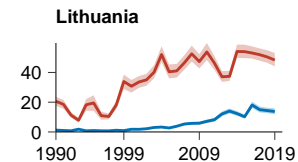
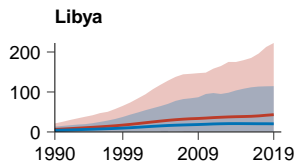
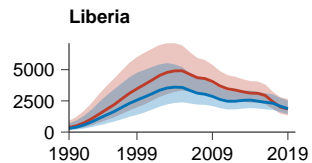
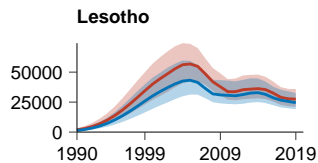
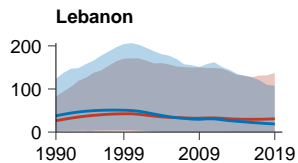
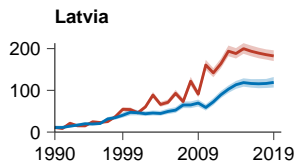
Age-standardised DALY rate (per 100 000)



Year

Female Male

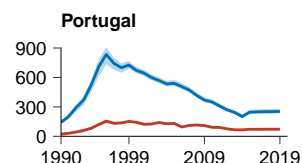
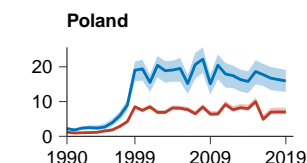
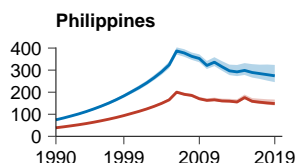
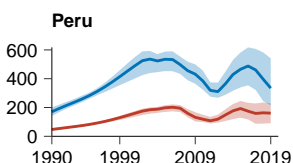
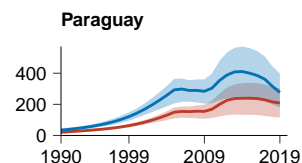
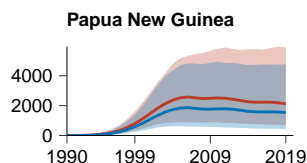
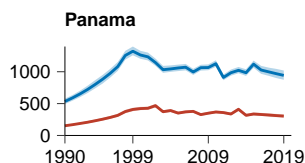
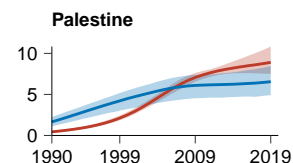
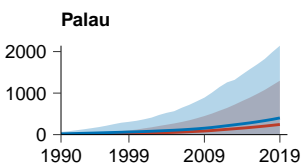
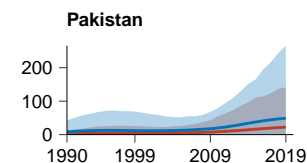
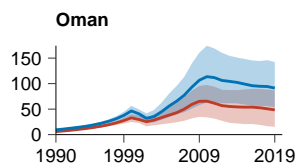
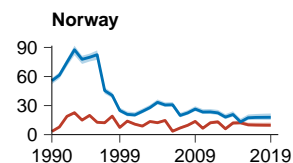
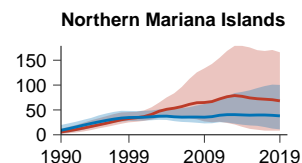
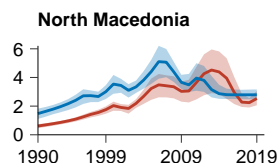
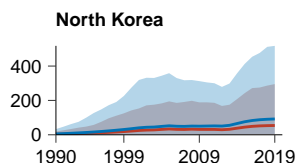
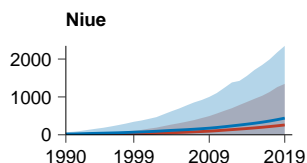
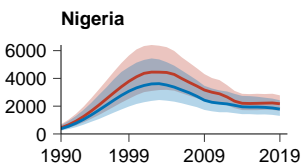
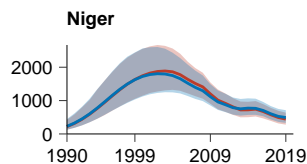
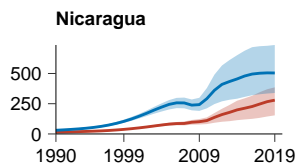
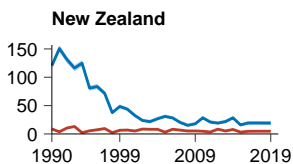
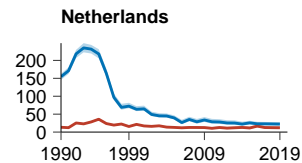
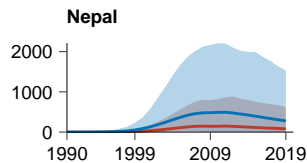
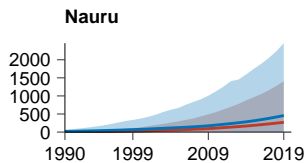
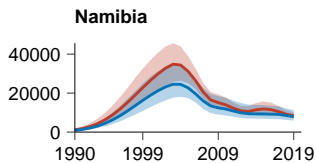
Age-standardised DALY rate (per 100 000)



Year

Female Male

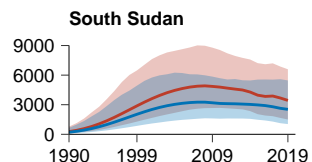
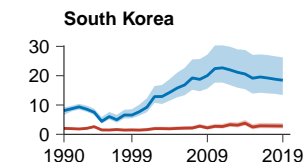
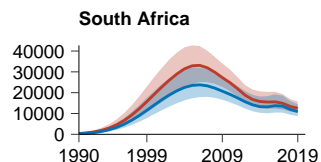
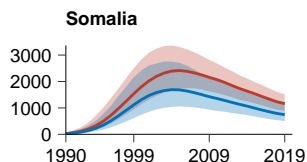
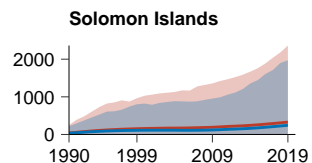
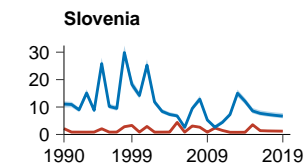
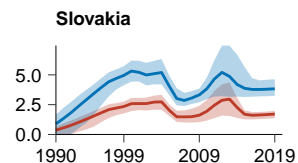
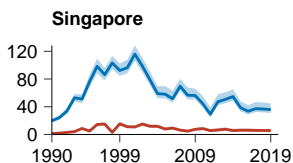
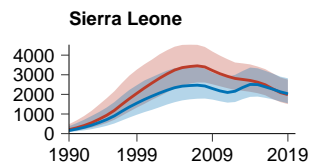
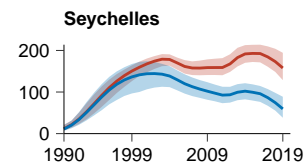
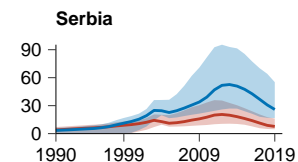
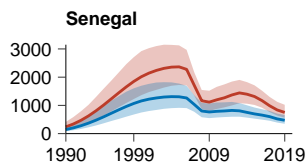
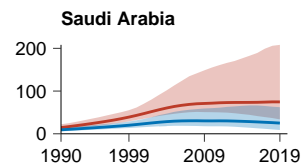
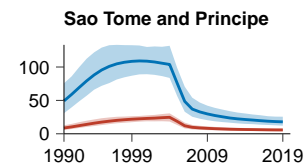
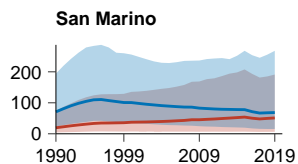
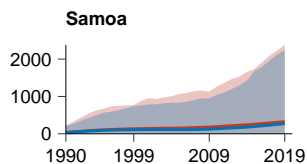
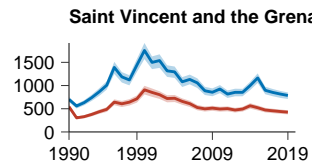
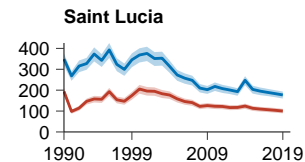
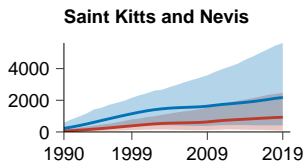
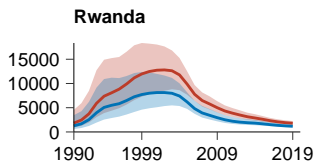
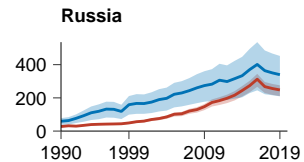
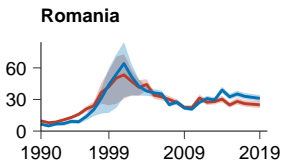
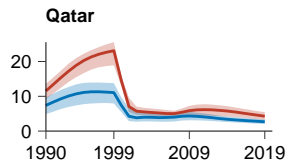
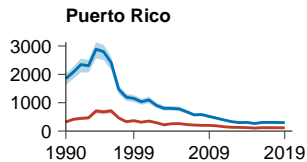
Age-standardised DALY rate (per 100 000)



Year

Female Male

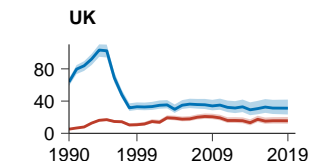
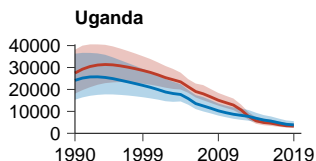
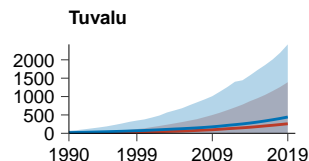
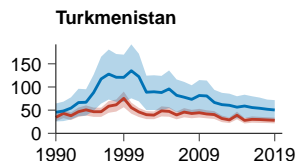
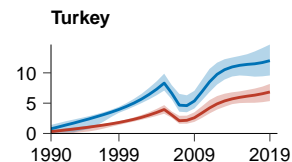
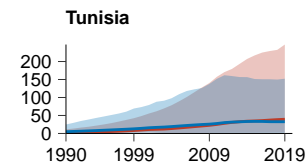
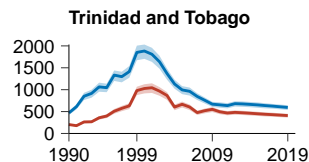
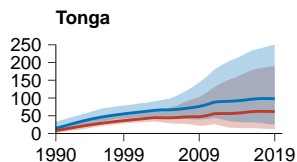
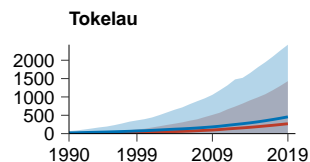
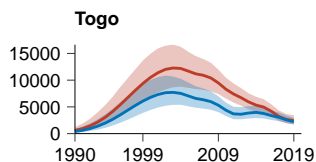
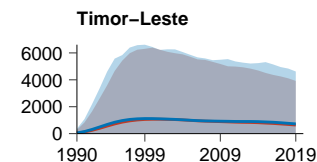
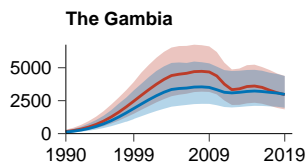
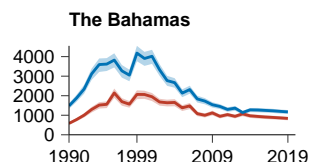
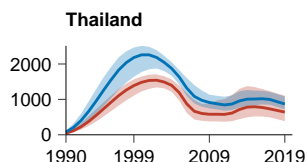
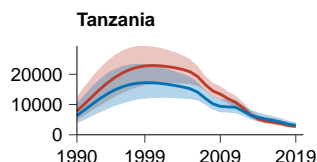
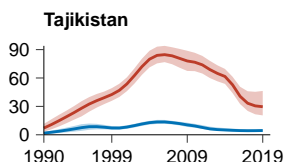
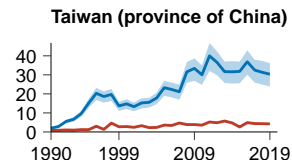
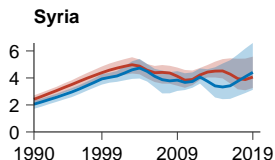
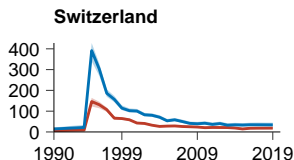
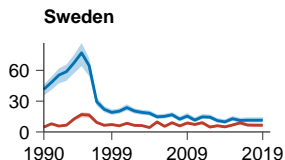
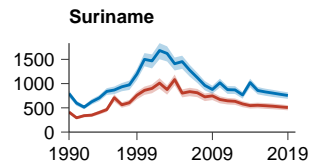
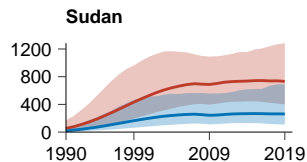
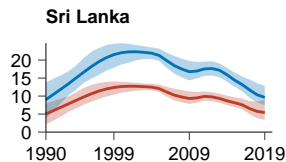
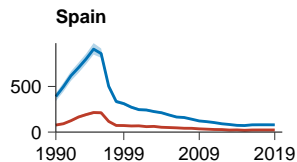
Age-standardised DALY rate (per 100 000)



Year

Female Male

Age-standardised DALY rate (per 100 000)

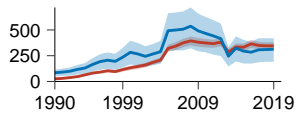


Year

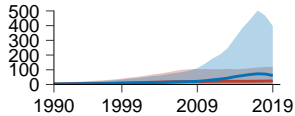
Female Male

Age-standardised DALY rate (per 100 000)

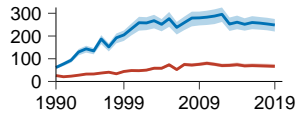
Ukraine



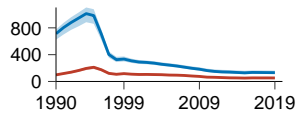
United Arab Emirates



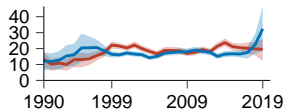
Uruguay



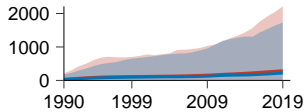
USA



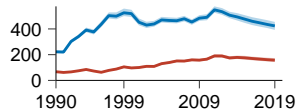
Uzbekistan



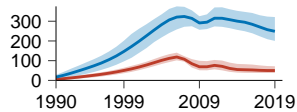
Vanuatu



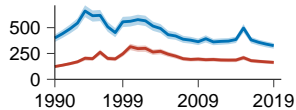
Venezuela



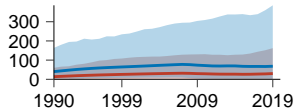
Vietnam



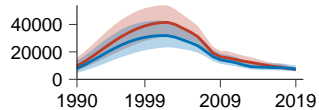
Virgin Islands



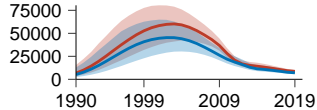
Yemen



Zambia



Zimbabwe



Year

Table S1. The deaths of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease region

(generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	Death No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	Death No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Global	236.8 (167 to 335.8)	4.72 (3.33 to 6.65)	695.8 (628 to 811.3)	8.48 (7.62 to 9.95)	0.43 (-1.26 to 2.15)
High-income Asia Pacific	0.1 (0.1 to 0.1)	0.06 (0.05 to 0.06)	0.3 (0.3 to 0.3)	0.11 (0.11 to 0.12)	2.32 (1.57 to 3.09)
High-income North America	22.4 (19.7 to 24.1)	7.12 (6.27 to 7.63)	6.4 (6.1 to 6.6)	1.4 (1.32 to 1.46)	-7.15 (-7.92 to -6.37)
Western Europe	8.5 (7.9 to 8.9)	2.03 (1.88 to 2.13)	2.9 (2.8 to 2.9)	0.52 (0.51 to 0.53)	-6.87 (-7.79 to -5.95)
Australasia	0.4 (0.4 to 0.4)	1.81 (1.76 to 1.86)	0.1 (0.1 to 0.1)	0.21 (0.21 to 0.22)	-8.88 (-9.87 to -7.89)
Andean Latin America	0.6 (0.4 to 1.1)	1.92 (1.3 to 3.88)	3.3 (2.3 to 5.8)	5.15 (3.55 to 9.14)	3.03 (2.05 to 4.02)
Tropical Latin America	4.9 (4.2 to 5.4)	3.35 (2.87 to 3.71)	11.8 (10.5 to 12.8)	4.68 (4.17 to 5.05)	-0.33 (-0.92 to 0.27)
Central Latin America	3.2 (3.1 to 3.3)	2.49 (2.42 to 2.54)	11 (10.5 to 11.5)	4.23 (4.02 to 4.42)	1 (0.26 to 1.75)
Southern Latin America	0.6 (0.6 to 0.6)	1.26 (1.21 to 1.31)	2.2 (2.1 to 2.3)	2.99 (2.91 to 3.07)	1.27 (0.19 to 2.36)
Caribbean	3.2 (2.3 to 4.9)	9.92 (7.15 to 15.31)	7 (5.9 to 8.5)	13.99 (11.65 to 17.13)	-1.08 (-2.55 to 0.4)
Eastern Europe	2 (1.4 to 2.5)	0.82 (0.58 to 1.03)	11.9 (9 to 14.4)	4.98 (3.8 to 6.02)	6.79 (6.05 to 7.54)
Central Europe	0.2 (0.2 to 0.3)	0.18 (0.17 to 0.19)	0.3 (0.3 to 0.3)	0.22 (0.21 to 0.25)	0.06 (-0.71 to 0.84)
Central Asia	0.1 (0.1 to 0.1)	0.17 (0.11 to 0.23)	0.4 (0.3 to 0.5)	0.42 (0.33 to 0.51)	1.94 (1.17 to 2.72)
North Africa and Middle East	0.3 (0.1 to 0.7)	0.12 (0.05 to 0.28)	5.4 (3.2 to 10.6)	0.86 (0.51 to 1.7)	5.94 (4.71 to 7.2)
South Asia	0.3 (0.1 to 0.8)	0.04 (0.01 to 0.1)	33.3 (26.3 to 47.3)	1.86 (1.48 to 2.62)	9.7 (4.44 to 15.23)
Southeast Asia	1.3 (1 to 1.8)	0.3 (0.22 to 0.44)	30 (25.3 to 38.9)	4.13 (3.47 to 5.43)	4.69 (1.77 to 7.68)
East Asia	1.5 (0.3 to 2.3)	0.13 (0.03 to 0.2)	21.4 (16.4 to 26.5)	1.12 (0.87 to 1.38)	6.62 (6.01 to 7.24)
Oceania	0 (0 to 0)	0.18 (0.04 to 0.7)	3.4 (1.2 to 9.4)	30.33 (10.95 to 82.35)	17.47 (13.1 to 22)
Western sub-Saharan Africa	26.3 (16.4 to 44)	18.95 (11.98 to 31.72)	134.3 (113.7 to 161.8)	43.26 (38.14 to 50.05)	0.75 (-1.09 to 2.63)
Eastern sub-Saharan Africa	131.7 (84.2 to 197.5)	102.64 (64.98 to 152.43)	203.9 (179 to 243.6)	71.87 (65.85 to 81.07)	-3.02 (-4.67 to -1.34)
Central sub-Saharan Africa	17.7 (11.2 to 27.2)	45.77 (29.76 to 69.4)	34.9 (28.7 to 44.2)	37.61 (31.7 to 45.57)	-2.07 (-3.36 to -0.75)
Southern sub-Saharan Africa	11.5 (6.5 to 23.3)	25.78 (14.15 to 54.3)	171.6 (149.5 to 207.8)	226.56 (201.24 to 267.28)	4.91 (1.78 to 8.12)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S2. The years of life lost (YLLs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease region (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	YLLs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	YLLs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Global	12096.3 (8486.8 to 17487.9)	233.93 (164.57 to 334.99)	32986.4 (28724.6 to 39902.3)	405.81 (350.76 to 494.01)	0.34 (-1.35 to 2.05)
High-income Asia Pacific	4.7 (4.5 to 4.9)	2.37 (2.26 to 2.46)	10.9 (10.5 to 11.3)	4.39 (4.2 to 4.56)	1.93 (1.2 to 2.67)
High-income North America	1102.3 (960.5 to 1186.9)	348.11 (304.96 to 374)	248.6 (234.3 to 258.6)	58.28 (54.63 to 60.97)	-7.81 (-8.62 to -7)
Western Europe	427.5 (392.5 to 449.9)	104.28 (95.7 to 109.87)	115.2 (112.3 to 118.2)	22.36 (21.75 to 22.93)	-7.64 (-8.58 to -6.68)
Australasia	19.2 (18.6 to 19.8)	86.82 (84.1 to 89.52)	3.1 (3 to 3.1)	9.25 (8.96 to 9.55)	-9.3 (-10.33 to -8.25)
Andean Latin America	29.2 (20 to 54)	89.93 (61.23 to 170.76)	161.8 (113.5 to 289.5)	248.49 (173.96 to 442.88)	3.13 (2.11 to 4.16)
Tropical Latin America	263.8 (230.5 to 288.6)	174.17 (150.96 to 192.19)	532.4 (469.9 to 576.3)	211.84 (187.65 to 228.85)	-0.91 (-1.52 to -0.3)
Central Latin America	163.7 (158.6 to 167.7)	117.18 (113.64 to 119.79)	517.2 (492.6 to 537.3)	197.65 (188.2 to 205.44)	0.88 (0.11 to 1.66)
Southern Latin America	28.2 (26.7 to 29.3)	58.56 (55.44 to 60.8)	97.7 (94.9 to 100.5)	134.86 (131 to 138.75)	0.87 (-0.33 to 2.08)
Caribbean	159.3 (114.1 to 246.4)	479.7 (343.84 to 740.9)	315.3 (255 to 395.8)	636.34 (511.25 to 802.66)	-1.22 (-2.67 to 0.24)
Eastern Europe	99.6 (71.1 to 124.6)	41.32 (29.7 to 51.71)	596.1 (447.3 to 724.2)	255.9 (195.66 to 308.55)	6.92 (6.14 to 7.71)
Central Europe	10.5 (9.9 to 11.1)	7.8 (7.29 to 8.27)	13.3 (12.2 to 15.2)	10.93 (10.13 to 12.28)	0.35 (-0.65 to 1.36)
Central Asia	5.6 (3.7 to 7.3)	8.83 (5.83 to 11.72)	21.3 (16.8 to 25.7)	21.03 (16.59 to 25.45)	1.87 (1.08 to 2.66)
North Africa and Middle East	15.3 (6.2 to 35.8)	5.54 (2.25 to 13.01)	260.2 (152.6 to 505.4)	39.97 (23.46 to 77.96)	5.94 (4.69 to 7.21)
South Asia	14.4 (3.2 to 40.8)	1.57 (0.36 to 4.26)	1598.6 (1249.5 to 2249.7)	87.32 (68.73 to 121.93)	9.58 (4.2 to 15.24)
Southeast Asia	68.9 (52.1 to 96.2)	15.33 (11.47 to 21.82)	1424.1 (1213.1 to 1798.9)	194.21 (165.6 to 246.86)	4.44 (1.55 to 7.42)
East Asia	69.7 (16.5 to 112.3)	5.53 (1.29 to 8.88)	871.1 (671.2 to 1072)	48.21 (37.82 to 58.85)	6.66 (6.04 to 7.28)
Oceania	0.4 (0.1 to 1.5)	8.1 (1.66 to 28.98)	160.7 (51.3 to 438.6)	1347.43 (450.07 to 3668.88)	17.38 (12.92 to 22.01)
Western sub-Saharan Africa	1342.2 (835.4 to 2287.7)	909.31 (567.97 to 1529.61)	6354.1 (5115.2 to 7944.4)	1895.4 (1605.53 to 2277.04)	0.45 (-1.38 to 2.32)
Eastern sub-Saharan Africa	6761 (4343.4 to 10309.1)	4878.26 (3096.24 to 7327.86)	9959.2 (8380.3 to 12468.7)	3188.86 (2820.59 to 3762.63)	-3.21 (-4.85 to -1.54)
Central sub-Saharan Africa	900.4 (562.1 to 1406.7)	2170.96 (1384.88 to 3354.31)	1688.3 (1328.3 to 2221.3)	1685.6 (1391.6 to 2129.1)	-2.23 (-3.51 to -0.93)
Southern sub-Saharan Africa	610.3 (344.3 to 1231.4)	1280.48 (724.69 to 2638.04)	8037.2 (6751.2 to 10082.8)	10177.96 (8775.85 to 12464.71)	4.61 (1.52 to 7.79)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S3. The years lived with disability (YLDs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease region (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	YLDs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	YLDs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Global	842.4 (594.2 to 1095.8)	16.07 (11.31 to 21.03)	3396.4 (2397.1 to 4593.1)	41.63 (29.39 to 56.29)	2.12 (1.15 to 3.1)
High-income Asia Pacific	0.8 (0.3 to 1.5)	0.43 (0.16 to 0.78)	7.6 (3.6 to 13)	2.8 (1.37 to 4.76)	6.83 (6.33 to 7.33)
High-income North America	75.2 (38.8 to 125.7)	23.93 (12.32 to 40.06)	123.5 (60.3 to 209)	27.01 (13.22 to 45.73)	-0.2 (-0.55 to 0.16)
Western Europe	23.6 (14.4 to 34.7)	5.73 (3.52 to 8.4)	48.6 (28.9 to 75.1)	8.86 (5.19 to 13.84)	0.64 (0.33 to 0.96)
Australasia	1.1 (0.6 to 1.7)	4.85 (2.69 to 7.66)	1.5 (0.8 to 2.4)	4.21 (2.28 to 7.03)	-1.07 (-1.64 to -0.49)
Andean Latin America	2.5 (1.5 to 4.2)	7.26 (4.43 to 13.42)	13.2 (7.8 to 22.8)	20.38 (12.22 to 35.14)	3.64 (3.35 to 3.93)
Tropical Latin America	14.7 (8.7 to 23.2)	9.45 (5.51 to 15.23)	72 (47 to 104.4)	28.71 (18.68 to 41.65)	3.76 (3.31 to 4.2)
Central Latin America	6.6 (4.1 to 9.8)	4.64 (2.9 to 6.95)	44 (27.4 to 67.8)	16.94 (10.56 to 25.95)	3.28 (2.54 to 4.02)
Southern Latin America	4.8 (3.2 to 6.8)	9.86 (6.51 to 13.82)	24.7 (12.1 to 46)	34.12 (16.54 to 63.54)	4 (3.79 to 4.2)
Caribbean	9.2 (5.5 to 15.2)	27.49 (16.41 to 45.56)	25 (16.8 to 36.4)	50.39 (33.87 to 73.33)	0.26 (-0.78 to 1.31)
Eastern Europe	4.5 (2.1 to 8.8)	1.85 (0.86 to 3.61)	65.8 (39 to 103.6)	28.31 (16.71 to 44.73)	10.05 (9.64 to 10.46)
Central Europe	0.7 (0.4 to 1.3)	0.56 (0.29 to 0.94)	2.4 (1.5 to 3.8)	1.89 (1.17 to 3.01)	4.34 (3.91 to 4.76)
Central Asia	0.3 (0.2 to 0.5)	0.49 (0.28 to 0.77)	2.5 (1.6 to 3.8)	2.48 (1.59 to 3.76)	4.68 (4.34 to 5.01)
North Africa and Middle East	1.6 (0.9 to 2.9)	0.58 (0.33 to 1.05)	18.2 (7 to 41.2)	2.86 (1.12 to 6.52)	5.03 (4.34 to 5.72)
South Asia	7.3 (4.5 to 11.4)	0.81 (0.5 to 1.25)	155.4 (106.3 to 219)	8.67 (5.93 to 12.22)	5.47 (2.73 to 8.28)
Southeast Asia	13 (8.7 to 18.1)	2.89 (1.94 to 4.02)	198.5 (133.4 to 286.9)	27.41 (18.49 to 39.48)	3.96 (2.29 to 5.66)
East Asia	8.3 (5.2 to 11.5)	0.67 (0.42 to 0.92)	60.9 (26.2 to 130.8)	3.31 (1.46 to 7.11)	5.94 (5.44 to 6.43)
Oceania	0.1 (0 to 0.2)	1.1 (0.56 to 3.14)	11.6 (1 to 41.7)	98.21 (8.52 to 355.46)	15.24 (11.76 to 18.84)
Western sub-Saharan Africa	98.7 (66.3 to 148.9)	65.61 (43.86 to 99.12)	464.7 (322.6 to 639.4)	142.34 (96 to 198.94)	1.3 (0.11 to 2.51)
Eastern sub-Saharan Africa	439.4 (313.1 to 572.6)	310.53 (218.44 to 405.62)	1014.2 (722.2 to 1363.5)	342.05 (240.54 to 460.17)	-0.95 (-1.83 to -0.06)
Central sub-Saharan Africa	54.6 (36.1 to 78.4)	127.44 (83.19 to 185.93)	128 (88.5 to 179.1)	131.38 (89.65 to 185.73)	-0.92 (-1.61 to -0.22)
Southern sub-Saharan Africa	75.4 (47.5 to 113.9)	154.73 (97.62 to 237.27)	914.3 (642.9 to 1220.2)	1172.98 (827.86 to 1570.72)	5.54 (3.7 to 7.42)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S4. The disability-adjusted life years (DALYs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by

Global Burden of Disease region (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	DALYs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	DALYs No. ×10 ³ (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Global	12938.7 (9414.3 to 18357.2)	250 (181.63 to 352.61)	36382.8 (32232.4 to 43083)	447.44 (394.82 to 533.1)	0.46 (-1.19 to 2.13)
High-income Asia Pacific	5.5 (5 to 6.2)	2.8 (2.51 to 3.15)	18.4 (14.5 to 23.9)	7.19 (5.72 to 9.25)	3.13 (2.5 to 3.76)
High-income North America	1177.5 (1029 to 1285)	372.04 (326.99 to 405.27)	372 (309.6 to 457.6)	85.29 (71.4 to 104.34)	-6.64 (-7.43 to -5.83)
Western Europe	451.1 (412.8 to 477.8)	110.01 (100.4 to 116.61)	163.8 (143.9 to 190.5)	31.22 (27.55 to 36.33)	-6.61 (-7.54 to -5.67)
Australasia	20.3 (19.5 to 21.1)	91.67 (87.97 to 95.27)	4.6 (3.9 to 5.5)	13.46 (11.51 to 16.32)	-8.14 (-9.19 to -7.07)
Andean Latin America	31.7 (22.4 to 59.2)	97.19 (67.9 to 185.32)	175 (122.2 to 305.3)	268.87 (187.48 to 468.32)	3.16 (2.18 to 4.15)
Tropical Latin America	278.5 (243.1 to 304.5)	183.62 (158.55 to 202.76)	604.4 (535 to 662.6)	240.56 (213.77 to 263.42)	-0.58 (-1.17 to 0.01)
Central Latin America	170.3 (164.1 to 174.9)	121.82 (117.97 to 124.95)	561.3 (536.1 to 585.7)	214.59 (204.92 to 223.94)	1.01 (0.25 to 1.78)
Southern Latin America	33.1 (30.9 to 35.6)	68.42 (63.84 to 73.5)	122.4 (109.6 to 144.8)	168.97 (151.22 to 199.89)	1.27 (0.19 to 2.37)
Caribbean	168.5 (122.2 to 258.7)	507.19 (368.46 to 781.99)	340.3 (277.4 to 422.4)	686.73 (558.06 to 859.28)	-1.14 (-2.56 to 0.31)
Eastern Europe	104.1 (74.3 to 129.5)	43.16 (30.99 to 53.93)	661.9 (498.8 to 806.3)	284.21 (218.24 to 343.74)	7.09 (6.35 to 7.84)
Central Europe	11.3 (10.5 to 12)	8.36 (7.76 to 8.91)	15.7 (14.2 to 18.7)	12.82 (11.59 to 14.94)	0.71 (-0.24 to 1.66)
Central Asia	5.9 (3.9 to 7.6)	9.32 (6.17 to 12.27)	23.8 (18.9 to 28.6)	23.51 (18.71 to 28.37)	2.06 (1.31 to 2.82)
North Africa and Middle East	16.9 (7.3 to 39.3)	6.12 (2.64 to 13.87)	278.4 (162.8 to 551.4)	42.84 (25.14 to 84.19)	5.87 (4.66 to 7.1)
South Asia	21.6 (9.1 to 49.8)	2.37 (1.04 to 5.25)	1753.9 (1380.8 to 2435.1)	95.98 (75.99 to 133.32)	9 (3.94 to 14.3)
Southeast Asia	81.9 (65.9 to 107.3)	18.22 (14.65 to 24.23)	1622.6 (1387.8 to 2006.2)	221.62 (189.86 to 275.47)	4.36 (1.59 to 7.19)
East Asia	78 (23.9 to 120.2)	6.2 (1.95 to 9.55)	932 (704.1 to 1184.4)	51.53 (39.57 to 64.53)	6.6 (6.01 to 7.2)
Oceania	0.5 (0.1 to 1.6)	9.2 (2.41 to 31.3)	172.3 (52.9 to 480.4)	1445.64 (464.2 to 4056.43)	17.2 (12.82 to 21.75)
Western sub-Saharan Africa	1441 (929.4 to 2404)	974.92 (629.07 to 1614.13)	6818.7 (5645.4 to 8399.1)	2037.74 (1764.86 to 2417.56)	0.5 (-1.3 to 2.34)
Eastern sub-Saharan Africa	7200.4 (4775.5 to 10749.6)	5188.79 (3410.81 to 7654.01)	10973.3 (9394.2 to 13408.7)	3530.91 (3181.76 to 4120.59)	-3.06 (-4.65 to -1.44)
Central sub-Saharan Africa	955 (612.2 to 1466.8)	2298.4 (1494.36 to 3483.37)	1816.3 (1451.7 to 2353)	1816.98 (1506.88 to 2248.14)	-2.16 (-3.41 to -0.89)
Southern sub-Saharan Africa	685.7 (404 to 1333.2)	1435.21 (837.62 to 2831.72)	8951.5 (7640.8 to 11034.2)	11350.94 (9911.17 to 13728.07)	4.67 (1.67 to 7.76)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S5. The deaths of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease countries and territories (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	Death No. (95% UI)	ASR per 100,000 No. (95% UI)	Death No. (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Afghanistan	12.7 (0.5 to 46.3)	0.17 (0.01 to 0.62)	119.5 (2.6 to 593.4)	0.44 (0.01 to 2.27)	2.72 (2.34 to 3.09)
Albania	0.9 (0.7 to 1.1)	0.03 (0.03 to 0.04)	1.5 (1.3 to 1.7)	0.05 (0.04 to 0.05)	0.97 (0.59 to 1.35)
Algeria	16.9 (2.8 to 95.4)	0.1 (0.01 to 0.54)	140.1 (10.5 to 1131.3)	0.33 (0.02 to 2.65)	5.18 (4.22 to 6.14)
American Samoa	0.1 (0 to 0.1)	0.16 (0.03 to 0.37)	0.4 (0.1 to 1)	0.74 (0.15 to 1.89)	3.92 (2.9 to 4.95)
Andorra	1.2 (0.2 to 5)	1.88 (0.28 to 7.54)	2.8 (0.2 to 13.1)	2.33 (0.16 to 10.34)	0.01 (-0.47 to 0.5)
Angola	166.8 (86.8 to 353.4)	2.2 (1.14 to 4.61)	14855 (10241.2 to 21637)	72.33 (51.37 to 102.3)	10.5 (8.16 to 12.89)
Antigua and Barbuda	5.3 (4.8 to 5.7)	9.96 (9.17 to 10.62)	5.8 (5.3 to 6.2)	5.47 (5.04 to 5.83)	-2.21 (-2.91 to -1.5)
Argentina	469.2 (443.7 to 489.1)	1.47 (1.39 to 1.53)	1588 (1536.6 to 1641)	3.27 (3.17 to 3.38)	0.89 (-0.19 to 1.98)
Armenia	0.6 (0.5 to 0.7)	0.02 (0.01 to 0.02)	10.7 (10.1 to 11.3)	0.31 (0.29 to 0.32)	15.68 (12.96 to 18.47)
Australia	351.4 (340 to 363.4)	1.9 (1.84 to 1.97)	66.6 (64.5 to 68.7)	0.22 (0.22 to 0.23)	-9.04 (-10.04 to -8.03)
Austria	52.6 (45.7 to 57.4)	0.61 (0.52 to 0.66)	29.4 (27.8 to 31)	0.27 (0.26 to 0.28)	-4.7 (-5.76 to -3.62)
Azerbaijan	4.2 (0.9 to 7.6)	0.06 (0.01 to 0.11)	11.6 (9.3 to 13.5)	0.09 (0.08 to 0.11)	-0.55 (-1.78 to 0.69)
Bahrain	1 (0.7 to 1.2)	0.21 (0.16 to 0.25)	2.4 (1.7 to 3.3)	0.12 (0.09 to 0.17)	-2.17 (-3.1 to -1.22)
Bangladesh	0 (0 to 0)	0 (0 to 0)	235.9 (2.7 to 1441.5)	0.15 (0 to 0.95)	53.16 (19.29 to 96.65)
Barbados	29.2 (26.7 to 31.3)	11.6 (10.65 to 12.4)	19.8 (18.3 to 20.9)	5.47 (5.03 to 5.83)	-3.79 (-4.61 to -2.97)
Belarus	60.3 (50.2 to 68.7)	0.54 (0.44 to 0.62)	190.5 (179.9 to 201.7)	1.74 (1.64 to 1.84)	5.25 (4.37 to 6.14)
Belgium	116.6 (112 to 121.2)	0.99 (0.95 to 1.03)	52.1 (49.6 to 54.7)	0.36 (0.35 to 0.38)	-4.45 (-5.35 to -3.54)
Belize	18.5 (16.9 to 19.7)	14.86 (13.72 to 15.79)	60.5 (54.9 to 65.2)	15.44 (14.09 to 16.56)	0.81 (-0.09 to 1.73)
Benin	22.1 (9.9 to 48.1)	0.65 (0.29 to 1.39)	1619.8 (1179.8 to 2215.3)	20.15 (15.1 to 26.24)	4.12 (-0.23 to 8.66)
Bermuda	11.8 (10.8 to 12.6)	16.95 (15.61 to 18.07)	5.1 (4.8 to 5.4)	5.89 (5.46 to 6.25)	-3.73 (-4.37 to -3.09)
Bhutan	3.3 (0.1 to 19.4)	0.79 (0.01 to 4.74)	24.3 (0.4 to 150)	3.13 (0.05 to 20.85)	3.52 (2.66 to 4.38)
Bolivia	153 (11 to 670.2)	3.32 (0.22 to 15.28)	545.7 (37.8 to 2997.9)	4.81 (0.33 to 26.93)	0.13 (-0.66 to 0.93)

Bosnia and Herzegovina	3.5 (2.6 to 4.2)	0.07 (0.05 to 0.08)	1.7 (0.9 to 3.6)	0.04 (0.02 to 0.07)	-3.61 (-4.45 to -2.77)
Botswana	905.7 (560.9 to 1569.8)	90.99 (53.46 to 157.17)	5344 (4420.5 to 6875.6)	246.2 (206.75 to 305.33)	-0.85 (-3.49 to 1.85)
Brazil	4851.7 (4214.4 to 5339.3)	3.42 (2.92 to 3.78)	11498.1 (10203.4 to 12414.6)	4.67 (4.15 to 5.03)	-0.44 (-1.04 to 0.16)
Brunei	0.5 (0.4 to 0.7)	0.29 (0.21 to 0.37)	4.1 (3.5 to 4.8)	0.89 (0.76 to 1.03)	4.01 (3.21 to 4.82)
Bulgaria	19.3 (17.7 to 21)	0.19 (0.17 to 0.2)	23.7 (22.1 to 25.3)	0.29 (0.28 to 0.31)	0.86 (-0.36 to 2.1)
Burkina Faso	9246.8 (5905 to 14336.1)	150.06 (96.93 to 230.1)	2319.1 (1849.2 to 2937.5)	15.91 (12.49 to 20.28)	-8.99 (-9.99 to -7.99)
Burundi	4581.8 (2023.8 to 12678.9)	118.95 (51.12 to 325.88)	1656.1 (1354.2 to 2089)	21.69 (17.04 to 29.3)	-7.48 (-9.45 to -5.48)
Cambodia	3.7 (1.2 to 9.6)	0.05 (0.01 to 0.12)	988.3 (668.9 to 1417.7)	6.33 (4.24 to 9.12)	7.07 (0.17 to 14.45)
Cameroon	860.6 (536.7 to 1507.9)	11.36 (6.94 to 20.2)	21322.6 (18305.6 to 25887.2)	104.21 (91.95 to 121.56)	5.75 (2.97 to 8.6)
Canada	604 (524.6 to 658.7)	1.92 (1.67 to 2.08)	204.7 (186.9 to 220.1)	0.45 (0.41 to 0.49)	-6.6 (-7.51 to -5.67)
Cape Verde	19.7 (8.1 to 42.6)	8.56 (3.52 to 18.27)	47.1 (22.9 to 109.4)	8.72 (4.35 to 19.86)	-2 (-3.83 to -0.14)
Central African Republic	1371.3 (876.6 to 2490.5)	62.8 (39.44 to 116.32)	5084 (4063.9 to 6842.5)	133.51 (108.65 to 175.4)	-0.77 (-2.68 to 1.18)
Chad	507.3 (272.1 to 1231.4)	12.5 (6.67 to 30.83)	3868.2 (2615 to 5661.4)	41.94 (29.72 to 58.75)	1.13 (-0.87 to 3.17)
Chile	101.4 (99 to 104)	0.79 (0.77 to 0.81)	478.9 (467.8 to 490.7)	2.27 (2.22 to 2.33)	2.17 (0.83 to 3.52)
China	1446.4 (338.6 to 2301.8)	0.13 (0.03 to 0.2)	20856.8 (16160 to 25442.8)	1.13 (0.89 to 1.37)	6.6 (5.99 to 7.2)
Colombia	440.5 (423.5 to 456.4)	1.6 (1.54 to 1.66)	2285.2 (2165.1 to 2402.2)	4.43 (4.2 to 4.67)	2.97 (1.78 to 4.18)
Comoros	0 (0 to 0.2)	0.01 (0 to 0.09)	1.7 (0 to 13.4)	0.26 (0 to 1.99)	9.18 (7.62 to 10.77)
Congo (Brazzaville)	2252.1 (1400.5 to 3705.3)	132.01 (81.89 to 213.67)	3676.9 (3060.9 to 4531.1)	81.79 (68.37 to 99.34)	-3.32 (-4.44 to -2.18)
Cook Islands	0 (0 to 0.1)	0.23 (0.02 to 0.8)	1.5 (0 to 7)	7.57 (0.11 to 37.18)	12.04 (11.6 to 12.48)
Costa Rica	47.3 (45.1 to 49.5)	1.86 (1.78 to 1.94)	133.4 (125.9 to 140.2)	2.54 (2.4 to 2.67)	-0.76 (-1.58 to 0.06)
Croatia	5.5 (5.1 to 5.8)	0.09 (0.09 to 0.1)	6.6 (6.2 to 7)	0.12 (0.11 to 0.13)	-0.39 (-1.93 to 1.17)
Cuba	45.9 (41.8 to 49.2)	0.41 (0.37 to 0.44)	269 (249.7 to 285.5)	1.98 (1.81 to 2.12)	6.09 (4.99 to 7.2)
Cyprus	0.6 (0.4 to 0.8)	0.07 (0.05 to 0.1)	4.4 (4 to 4.8)	0.26 (0.24 to 0.28)	4.08 (3.32 to 4.84)
Czech Republic	4.1 (3.8 to 4.3)	0.03 (0.03 to 0.04)	16.5 (15.6 to 17.4)	0.12 (0.11 to 0.13)	4.91 (3.46 to 6.39)
Denmark	2 (1.8 to 2.1)	0.03 (0.03 to 0.04)	22.3 (21.2 to 23.4)	0.31 (0.29 to 0.32)	1.8 (-2.96 to 6.8)
Djibouti	0.5 (0 to 1.6)	0.12 (0.01 to 0.43)	870.7 (628.8 to 1250.3)	79.22 (56.84 to 112.8)	16.43 (10.35 to 22.85)
Dominica	4.5 (4.1 to 4.8)	7.31 (6.7 to 7.82)	3.9 (3.6 to 4.1)	5.15 (4.74 to 5.49)	-1.14 (-1.84 to -0.43)
Dominican Republic	208.8 (102.3 to 439.5)	3.44 (1.64 to 7.4)	1075 (769.4 to 1584.3)	10.05 (7.25 to 14.7)	-0.36 (-2.68 to 2.03)

DR Congo	13757.3 (8616.3 to 21400.1)	52.4 (33.79 to 80)	8414.2 (6388.6 to 11557.8)	13.83 (10.43 to 19.02)	-4.68 (-6.27 to -3.07)
Ecuador	55 (51.7 to 57.8)	0.68 (0.65 to 0.72)	1103.9 (1023.5 to 1189.1)	6.32 (5.87 to 6.81)	8.44 (7 to 9.89)
Egypt	20.8 (11 to 27.6)	0.05 (0.03 to 0.07)	27.3 (21.1 to 35.1)	0.03 (0.02 to 0.04)	-2.32 (-3.33 to -1.3)
El Salvador	67.2 (62.4 to 72.5)	1.74 (1.62 to 1.86)	571.2 (324.6 to 836.6)	9.5 (5.36 to 14.06)	5.4 (3.59 to 7.25)
Equatorial Guinea	16.1 (8.7 to 32.2)	5.33 (2.84 to 10.74)	1845.4 (1154.4 to 3047.3)	186.92 (119.37 to 293.64)	11.06 (8.53 to 13.65)
Eritrea	343.9 (165.5 to 814.8)	16.19 (7.67 to 38.02)	1239.1 (907 to 1673.2)	25.36 (18.94 to 33.51)	-1.54 (-3.74 to 0.7)
Estonia	0.3 (0.3 to 0.4)	0.02 (0.02 to 0.02)	19.1 (17.3 to 20.9)	1.46 (1.33 to 1.6)	20.69 (16.97 to 24.53)
eSwatini	15.8 (8 to 38.8)	2.49 (1.31 to 6.1)	2969.6 (2550.9 to 3629.4)	324.13 (280.47 to 387.51)	11.05 (5.54 to 16.86)
Ethiopia	9057.7 (5154.7 to 17854.4)	25.24 (13.91 to 50.58)	21246.2 (17573.3 to 25904.6)	30 (25.63 to 35.25)	-2.89 (-5.3 to -0.42)
Federated States of Micronesia	0.8 (0 to 5.1)	1.25 (0.01 to 7.47)	38.5 (0.2 to 198.7)	42.61 (0.2 to 221.25)	11.9 (10.99 to 12.81)
Fiji	1.5 (0.4 to 2.8)	0.23 (0.07 to 0.42)	6.5 (4.7 to 10.1)	0.7 (0.5 to 1.08)	2.06 (0.46 to 3.68)
Finland	11.4 (10.4 to 12.1)	0.19 (0.17 to 0.2)	4.7 (4.5 to 4.9)	0.07 (0.06 to 0.07)	-4.94 (-6.17 to -3.7)
France	2858.9 (2771.8 to 2938.5)	4.56 (4.42 to 4.69)	438.4 (416.7 to 461)	0.54 (0.51 to 0.57)	-9.51 (-10.63 to -8.37)
Gabon	114.8 (58.4 to 306.2)	15.07 (7.61 to 39.69)	1016.1 (716.8 to 1478.8)	67.01 (47.94 to 96.31)	2.53 (0.08 to 5.05)
Georgia	0.7 (0.6 to 0.9)	0.01 (0.01 to 0.02)	8.9 (8.5 to 9.5)	0.22 (0.21 to 0.23)	14.5 (11.07 to 18.05)
Germany	1407.6 (1295.7 to 1483.4)	1.51 (1.38 to 1.6)	381.6 (363.1 to 401.7)	0.34 (0.32 to 0.36)	-6.03 (-7.13 to -4.91)
Ghana	1887.7 (1173 to 3192)	17.17 (10.7 to 28.45)	13238.8 (10860.8 to 16724.1)	51.23 (43.17 to 62.45)	1.83 (-0.1 to 3.81)
Greece	20.3 (16.1 to 23.7)	0.18 (0.14 to 0.21)	13.9 (13 to 15)	0.11 (0.1 to 0.12)	-2.3 (-4.35 to -0.21)
Greenland	1.8 (1.4 to 2.3)	3.18 (2.46 to 4.13)	1.2 (0.9 to 1.5)	1.69 (1.28 to 2.12)	-3.05 (-3.7 to -2.39)
Grenada	5 (4.6 to 5.4)	7.74 (7.09 to 8.28)	4.3 (4 to 4.6)	3.76 (3.46 to 4.01)	-2.15 (-2.67 to -1.62)
Guam	1 (0.2 to 2.2)	0.77 (0.16 to 1.71)	5.7 (2.5 to 11.9)	3.25 (1.45 to 6.92)	3.2 (2.46 to 3.94)
Guatemala	216.3 (207.2 to 225.1)	3.94 (3.78 to 4.1)	581.5 (552 to 615.6)	3.71 (3.53 to 3.91)	-0.43 (-1.3 to 0.44)
Guinea	177.2 (109 to 318.8)	3.94 (2.42 to 7.14)	3530.7 (2442.8 to 5129.9)	42.03 (29.95 to 58.46)	6.41 (4.13 to 8.75)
Guinea-Bissau	36.6 (20.4 to 69.1)	5.23 (2.94 to 9.66)	889.8 (524.8 to 1469.8)	67.6 (38.38 to 112.26)	6.89 (4.1 to 9.76)
Guyana	60.2 (55 to 64.2)	10.21 (9.5 to 10.8)	137.5 (125.6 to 147.5)	17.93 (16.36 to 19.26)	1.41 (-0.34 to 3.2)
Haiti	1635.5 (916.5 to 3152.2)	33.07 (18.08 to 63.52)	4295.2 (3357.1 to 5572.4)	41.54 (33.31 to 52.51)	-1.88 (-3.6 to -0.12)
Honduras	57.5 (39.6 to 76.8)	1.86 (1.29 to 2.44)	80 (62.6 to 100)	0.9 (0.71 to 1.14)	-5.52 (-7.03 to -3.99)
Hungary	155.9 (150.2 to 162.1)	1.21 (1.16 to 1.25)	35.7 (33.3 to 38)	0.27 (0.25 to 0.28)	-7.58 (-8.31 to -6.83)

Iceland	0.9 (0.7 to 1.1)	0.36 (0.28 to 0.43)	0.4 (0.3 to 0.5)	0.11 (0.09 to 0.12)	-5.56 (-6.29 to -4.83)
India	209 (53.2 to 596.6)	0.03 (0.01 to 0.08)	30744.4 (25816.8 to 36223.3)	2.16 (1.83 to 2.53)	10.02 (4.46 to 15.86)
Indonesia	0 (0 to 0)	0 (0 to 0)	3696.4 (2951.5 to 4787.7)	1.29 (1.04 to 1.67)	36.48 (10.13 to 69.14)
Iran	8.9 (2.2 to 15.9)	0.02 (0.01 to 0.04)	343.6 (182.1 to 583.8)	0.36 (0.19 to 0.61)	10.06 (9.56 to 10.56)
Iraq	2.5 (1.5 to 4)	0.02 (0.01 to 0.03)	41 (9.7 to 133.6)	0.1 (0.02 to 0.35)	6 (5.04 to 6.96)
Ireland	9.3 (8.4 to 10)	0.27 (0.24 to 0.29)	7.4 (7 to 7.9)	0.14 (0.13 to 0.15)	-5.4 (-7.27 to -3.49)
Israel	26.4 (23.9 to 28.4)	0.57 (0.52 to 0.61)	28.1 (26.8 to 29.5)	0.29 (0.28 to 0.31)	-2.48 (-3.27 to -1.67)
Italy	1460 (1219.9 to 1592.1)	2.46 (2.03 to 2.69)	554.8 (530.3 to 576.2)	0.66 (0.63 to 0.69)	-6.98 (-8.23 to -5.72)
Ivory Coast	6944.3 (3267.1 to 19030.5)	79.06 (36.22 to 216.67)	11400.1 (9590.1 to 13928.7)	60.2 (50.15 to 71.08)	-3.18 (-5.17 to -1.15)
Jamaica	131.8 (120.2 to 141.4)	7.08 (6.48 to 7.58)	324.5 (298.9 to 345.8)	10.81 (9.95 to 11.54)	0.62 (-0.54 to 1.78)
Japan	62.1 (60.3 to 63.4)	0.04 (0.04 to 0.04)	151.8 (148.5 to 154.9)	0.08 (0.07 to 0.08)	1.85 (0.82 to 2.89)
Jordan	0.8 (0.6 to 1)	0.03 (0.03 to 0.04)	16.5 (11.4 to 22.5)	0.16 (0.11 to 0.22)	5.42 (4.31 to 6.55)
Kazakhstan	26.9 (17.3 to 35.9)	0.17 (0.11 to 0.22)	100.5 (92.4 to 108.3)	0.49 (0.45 to 0.53)	2 (0.82 to 3.19)
Kenya	13517.1 (8283.6 to 22369.7)	87.76 (52.83 to 144.02)	43061.8 (37687.8 to 49772.6)	115.88 (102.58 to 131.98)	-2.2 (-4.25 to -0.1)
Kiribati	0.3 (0.1 to 0.5)	0.47 (0.24 to 0.74)	0.9 (0.7 to 1.3)	0.81 (0.59 to 1.13)	0.09 (-0.81 to 0.99)
Kuwait	0.7 (0.6 to 0.9)	0.05 (0.04 to 0.06)	1.5 (1.2 to 1.8)	0.02 (0.02 to 0.03)	-2.56 (-4.15 to -0.93)
Kyrgyzstan	8.4 (5.8 to 11)	0.23 (0.15 to 0.3)	50 (45.9 to 54.6)	0.78 (0.72 to 0.85)	3.31 (2.65 to 3.98)
Laos	0 (0 to 0)	0 (0 to 0)	318.7 (2.7 to 2462.4)	4.93 (0.04 to 38.64)	50.18 (21.97 to 84.93)
Latvia	6.2 (4.4 to 8.3)	0.21 (0.15 to 0.28)	63.3 (59.6 to 66.9)	2.93 (2.76 to 3.1)	10.1 (9.14 to 11.07)
Lebanon	18.1 (0.9 to 57.7)	0.68 (0.03 to 2.15)	27.7 (0.7 to 140.3)	0.51 (0.01 to 2.59)	-2.06 (-2.58 to -1.54)
Lesotho	382.1 (229.9 to 722.2)	27.38 (16.04 to 51.83)	9887.5 (8205.8 to 12557.7)	537.74 (460.81 to 661.87)	7.38 (4.24 to 10.62)
Liberia	93.6 (47.8 to 219.4)	6.48 (3.28 to 14.96)	1498.5 (1159.7 to 2009.8)	39.92 (30.54 to 52.13)	4.53 (2.13 to 6.97)
Libya	2.7 (0.1 to 9.4)	0.09 (0 to 0.32)	48.9 (0.7 to 285.7)	0.63 (0.01 to 3.55)	6.64 (5.82 to 7.46)
Lithuania	10 (8.4 to 11.4)	0.24 (0.21 to 0.28)	22.4 (20.6 to 24.3)	0.66 (0.61 to 0.72)	6.27 (4.86 to 7.7)
Luxembourg	4.1 (3.6 to 4.4)	0.9 (0.79 to 0.97)	1.9 (1.8 to 2.1)	0.25 (0.24 to 0.27)	-6.38 (-7.21 to -5.54)
Madagascar	0.7 (0.1 to 2)	0.01 (0 to 0.02)	2250.4 (1508.2 to 3304.8)	11.23 (7.56 to 16.1)	24.05 (18.25 to 30.12)
Malawi	10583.4 (6313.2 to 18484.5)	157.45 (90.77 to 272.97)	12288.2 (10495.9 to 15281.5)	103.19 (89.89 to 122.79)	-3.68 (-5.97 to -1.33)
Malaysia	3.9 (2 to 6.8)	0.02 (0.01 to 0.04)	591 (398.5 to 786.7)	1.76 (1.19 to 2.36)	10.92 (7.62 to 14.31)

Maldives	0.1 (0 to 0.1)	0.04 (0.03 to 0.05)	0.7 (0.7 to 0.8)	0.14 (0.12 to 0.15)	3.95 (2.83 to 5.07)
Mali	398 (197 to 1018.2)	6.49 (3.17 to 16.38)	3804.5 (2784.1 to 5031.8)	28.66 (21.38 to 37.22)	2.88 (0.68 to 5.12)
Malta	2.1 (1.9 to 2.2)	0.49 (0.45 to 0.53)	1.2 (1.1 to 1.2)	0.23 (0.21 to 0.24)	-4.27 (-5.08 to -3.45)
Marshall Islands	0.2 (0 to 1.2)	0.75 (0.01 to 4.64)	3.2 (0 to 25.9)	6.03 (0.03 to 47.56)	4.74 (3.92 to 5.57)
Mauritania	36.3 (0.4 to 270.3)	2.96 (0.04 to 20.96)	18.9 (0.5 to 144.8)	0.64 (0.02 to 4.89)	-7.2 (-8 to -6.4)
Mauritius	8.1 (7 to 9.1)	0.75 (0.64 to 0.85)	67 (56.9 to 76.1)	4.46 (3.78 to 5.03)	16.69 (13.71 to 19.75)
Mexico	1794.9 (1736.2 to 1837.1)	2.64 (2.56 to 2.7)	4622.5 (4501.4 to 4710.6)	3.52 (3.43 to 3.58)	-0.16 (-0.83 to 0.51)
Moldova	5.6 (4.6 to 6.4)	0.12 (0.1 to 0.14)	126.3 (118.1 to 133.9)	2.84 (2.66 to 3.01)	9.86 (7.71 to 12.06)
Monaco	0.3 (0.1 to 1)	0.89 (0.29 to 2.52)	0.8 (0.2 to 2.4)	1.38 (0.31 to 4.5)	0.66 (0.25 to 1.08)
Mongolia	0 (0 to 0)	0 (0 to 0)	5.3 (0.6 to 14.3)	0.17 (0.02 to 0.46)	19.79 (14.34 to 25.5)
Montenegro	0.5 (0.4 to 0.6)	0.08 (0.06 to 0.09)	0.8 (0.7 to 1)	0.12 (0.1 to 0.14)	0.27 (-1.14 to 1.71)
Morocco	35.7 (1.6 to 116.8)	0.18 (0.01 to 0.57)	241.4 (6.7 to 1478.3)	0.63 (0.02 to 3.92)	4.61 (2.88 to 6.36)
Mozambique	1392.5 (830.2 to 2667.5)	14.37 (8.34 to 27.52)	52229.3 (41820.9 to 70311.8)	262.28 (216.67 to 339.46)	8.27 (5.56 to 11.05)
Myanmar	17.2 (6.1 to 40.7)	0.04 (0.02 to 0.11)	3415.2 (2647.4 to 4523.6)	5.97 (4.62 to 7.88)	11.19 (5.77 to 16.89)
Namibia	188 (125 to 313.2)	17.73 (11.6 to 29.64)	3320.8 (2847.9 to 3976)	170.49 (145.8 to 202.99)	4.01 (0.56 to 7.57)
Nauru	0 (0 to 0.1)	0.22 (0.02 to 0.76)	0.7 (0 to 3.4)	7.48 (0.11 to 36.49)	12.16 (11.66 to 12.65)
Nepal	0 (0 to 0)	0 (0 to 0)	984.9 (17.4 to 5525.4)	3.59 (0.06 to 20.78)	52.75 (23.68 to 88.65)
Netherlands	286.7 (272.9 to 298.4)	1.68 (1.6 to 1.75)	46.2 (44 to 48.5)	0.22 (0.21 to 0.23)	-9 (-10.09 to -7.9)
New Zealand	48 (46 to 49.7)	1.33 (1.27 to 1.37)	8 (7.6 to 8.3)	0.16 (0.15 to 0.17)	-7.68 (-8.9 to -6.44)
Nicaragua	11.7 (9.4 to 13.7)	0.44 (0.36 to 0.51)	488.2 (292.4 to 707.9)	7.74 (4.46 to 11.47)	11.14 (10.47 to 11.82)
Niger	220.5 (120.8 to 445)	4.2 (2.26 to 8.47)	1223.2 (863.4 to 1703.6)	9.99 (7.01 to 13.48)	0.41 (-2.03 to 2.91)
Nigeria	5285.5 (3454.9 to 8674.3)	7.78 (5.08 to 12.72)	61577.5 (47101.1 to 78518.4)	42.55 (34.05 to 52.44)	2.79 (0.52 to 5.1)
Niue	0 (0 to 0)	0.23 (0.02 to 0.78)	0.1 (0 to 0.6)	7.28 (0.11 to 35.22)	12.1 (11.6 to 12.6)
North Korea	15.5 (0 to 96)	0.08 (0 to 0.48)	462.6 (9.8 to 2579.8)	1.5 (0.03 to 8.46)	8.08 (6.72 to 9.46)
North Macedonia	0.4 (0.3 to 0.5)	0.02 (0.01 to 0.02)	1.2 (1 to 1.4)	0.05 (0.04 to 0.05)	3.09 (1.89 to 4.31)
Northern Mariana Islands	0.1 (0 to 0.2)	0.15 (0.03 to 0.33)	0.5 (0.1 to 1.1)	1.03 (0.17 to 2.39)	5.54 (4.35 to 6.74)
Norway	28.3 (26.8 to 29.4)	0.62 (0.58 to 0.64)	12.4 (11.9 to 12.8)	0.2 (0.19 to 0.21)	-5.47 (-6.62 to -4.31)
Oman	2.3 (1.9 to 2.7)	0.17 (0.14 to 0.2)	76.1 (41.8 to 116.7)	1.75 (0.95 to 2.82)	8.91 (7.66 to 10.16)

Pakistan	87.3 (1.8 to 459.1)	0.12 (0 to 0.62)	1305.7 (15.8 to 7549.3)	0.74 (0.01 to 4.28)	5.7 (4.72 to 6.69)
Palau	0 (0 to 0.1)	0.22 (0.02 to 0.77)	1.6 (0 to 7.8)	6.96 (0.1 to 33.83)	11.85 (11.42 to 12.28)
Palestine	0.3 (0.2 to 0.3)	0.02 (0.01 to 0.02)	6.5 (5.5 to 7.7)	0.15 (0.12 to 0.18)	7.03 (6.11 to 7.95)
Panama	144.3 (135.1 to 153.2)	7.03 (6.59 to 7.46)	501.5 (475.3 to 527.4)	11.87 (11.25 to 12.48)	1.03 (0.16 to 1.9)
Papua New Guinea	1 (0 to 2.7)	0.03 (0 to 0.08)	3158.5 (1030.1 to 8901.9)	38.74 (13.55 to 108.45)	22.22 (15.71 to 29.1)
Paraguay	16.7 (6.7 to 24.2)	0.52 (0.21 to 0.76)	336.6 (201.1 to 498.7)	4.94 (2.89 to 7.42)	9.31 (8.11 to 10.52)
Peru	374.5 (302.2 to 442.9)	2.1 (1.7 to 2.47)	1649.3 (1006.3 to 2566.7)	4.68 (2.85 to 7.25)	2.36 (1.18 to 3.55)
Philippines	607.7 (590.3 to 620.6)	1.12 (1.08 to 1.14)	4013.3 (3858.3 to 4124.8)	3.62 (3.48 to 3.72)	4.52 (3.32 to 5.74)
Poland	12.7 (11.2 to 13.9)	0.03 (0.03 to 0.03)	90.2 (76.4 to 100.4)	0.2 (0.17 to 0.22)	8.04 (5.48 to 10.66)
Portugal	157.1 (138.9 to 169.2)	1.49 (1.31 to 1.61)	412.5 (390 to 435.8)	3.07 (2.91 to 3.25)	-1.3 (-3.11 to 0.54)
Puerto Rico	723.5 (646.3 to 786.1)	20.11 (17.96 to 21.86)	190.1 (177.3 to 200.8)	4.35 (4.03 to 4.62)	-7.3 (-8.04 to -6.55)
Qatar	0.9 (0.6 to 1.1)	0.17 (0.12 to 0.22)	2 (1.5 to 2.5)	0.06 (0.05 to 0.08)	-5.21 (-6.38 to -4.03)
Romania	34.9 (29.8 to 39.5)	0.14 (0.12 to 0.16)	77.5 (72.8 to 82.2)	0.43 (0.4 to 0.45)	3.19 (1.26 to 5.16)
Russia	1328.7 (950.5 to 1658.5)	0.81 (0.58 to 1.01)	8195.5 (5934.1 to 10151.9)	4.99 (3.66 to 6.12)	6.86 (6.39 to 7.34)
Rwanda	1463.2 (706.4 to 4082.3)	29.11 (13.73 to 81.01)	2859.9 (2426.4 to 3467.9)	31.29 (26.57 to 37.28)	-3.48 (-5.97 to -0.91)
Saint Kitts and Nevis	1 (0.3 to 2.6)	2.83 (0.88 to 7.65)	25.3 (4.2 to 67.4)	34.56 (5.76 to 91.51)	7.05 (5.79 to 8.32)
Saint Lucia	5.8 (5.3 to 6.3)	5.78 (5.3 to 6.17)	5.7 (5.2 to 6.1)	2.72 (2.5 to 2.91)	-2.43 (-3.05 to -1.81)
Saint Vincent and the Grenadines	10.8 (9.9 to 11.5)	13.61 (12.52 to 14.5)	15.6 (14.4 to 16.6)	12.44 (11.36 to 13.31)	-0.15 (-1.26 to 0.97)
Samoa	0.8 (0 to 4.7)	0.74 (0.01 to 4.25)	11.2 (0.1 to 88.3)	6.32 (0.03 to 49.87)	5.17 (4.4 to 5.95)
San Marino	0.2 (0.1 to 0.7)	0.93 (0.3 to 2.64)	0.6 (0.1 to 1.9)	1.35 (0.31 to 4.34)	0.31 (-0.16 to 0.78)
Sao Tome and Principe	0.2 (0.1 to 0.5)	0.32 (0.12 to 0.64)	0.3 (0.1 to 0.4)	0.15 (0.08 to 0.23)	-6.42 (-8.41 to -4.39)
Saudi Arabia	27.4 (16.9 to 43.4)	0.24 (0.15 to 0.36)	409 (177.1 to 1061.5)	0.95 (0.41 to 2.57)	4.85 (3.95 to 5.75)
Senegal	188.5 (111.5 to 342.4)	3.66 (2.19 to 6.65)	1412.3 (1080.1 to 1886.4)	13 (9.93 to 17.16)	2.33 (0 to 4.71)
Serbia	6.3 (0 to 11.2)	0.06 (0 to 0.12)	34.7 (20.8 to 78.8)	0.33 (0.2 to 0.74)	8.28 (6.85 to 9.72)
Seychelles	0.1 (0.1 to 0.3)	0.22 (0.12 to 0.43)	2.5 (1.9 to 3.2)	2.1 (1.64 to 2.66)	4.43 (2.16 to 6.74)
Sierra Leone	95.3 (47.9 to 227.1)	3.4 (1.7 to 8.24)	2531 (1989.7 to 3397.1)	41.39 (33.02 to 53.91)	7.13 (4.79 to 9.51)
Singapore	6.9 (6.2 to 7.5)	0.22 (0.2 to 0.24)	33.2 (30.7 to 36)	0.41 (0.37 to 0.44)	-1.15 (-3.14 to 0.89)
Slovakia	0.7 (0 to 1.3)	0.01 (0 to 0.02)	3.4 (2.9 to 4.1)	0.05 (0.04 to 0.06)	2.03 (0.32 to 3.78)

Slovenia	3 (2.7 to 3.3)	0.14 (0.12 to 0.15)	1.8 (1.7 to 1.9)	0.07 (0.07 to 0.08)	-2.65 (-4.7 to -0.55)
Solomon Islands	1.6 (0 to 9.7)	0.78 (0.01 to 5.01)	31.4 (0.2 to 252.9)	6.01 (0.03 to 49.83)	4.62 (3.8 to 5.45)
Somalia	12.6 (1.3 to 46)	0.24 (0.02 to 0.9)	2628.6 (1939.6 to 3530.9)	20.23 (14.93 to 27.32)	9.74 (5.43 to 14.22)
South Africa	1833.1 (1122.5 to 3235.3)	5.55 (3.35 to 9.82)	132454.5 (113573.2 to 164232)	230.36 (201 to 279.47)	9.98 (5.77 to 14.36)
South Korea	44.2 (41.4 to 47)	0.11 (0.1 to 0.12)	129.9 (120.1 to 140)	0.16 (0.15 to 0.17)	3.51 (2.25 to 4.78)
South Sudan	186.7 (77.2 to 552.5)	4.49 (1.86 to 13.53)	4011.7 (1752.1 to 8034.4)	61.9 (26.72 to 125.93)	7.6 (5.3 to 9.95)
Spain	1602.4 (1406.4 to 1743.5)	4.05 (3.55 to 4.41)	593.3 (559.2 to 626.2)	0.93 (0.88 to 0.98)	-7.99 (-9.01 to -6.95)
Sri Lanka	22.8 (9 to 35.9)	0.14 (0.06 to 0.22)	31.9 (22.9 to 47.5)	0.13 (0.1 to 0.2)	-0.74 (-1.97 to 0.49)
Sudan	99.1 (28.8 to 325.9)	0.67 (0.19 to 2.2)	3292.4 (1735.6 to 6117.4)	10.34 (5.57 to 19.41)	7.68 (5.84 to 9.55)
Suriname	42.5 (38.9 to 45.2)	12.96 (11.95 to 13.76)	77 (70.6 to 82.4)	12.51 (11.45 to 13.42)	0.4 (-0.84 to 1.65)
Sweden	48.3 (42.8 to 52.5)	0.49 (0.43 to 0.54)	17.1 (16 to 17.9)	0.14 (0.13 to 0.15)	-5.97 (-7.1 to -4.82)
Switzerland	2.7 (2.4 to 2.8)	0.03 (0.03 to 0.04)	33.7 (31.9 to 35.4)	0.3 (0.28 to 0.31)	1.86 (-3.89 to 7.94)
Syria	3.7 (3.1 to 4.1)	0.04 (0.04 to 0.05)	10.6 (8.3 to 15.5)	0.08 (0.06 to 0.11)	1.07 (0.34 to 1.8)
Taiwan (province of China)	5.2 (4.4 to 5.9)	0.02 (0.02 to 0.03)	99.6 (80.3 to 117)	0.34 (0.28 to 0.39)	7.27 (5.48 to 9.09)
Tajikistan	3.2 (1.4 to 5.4)	0.08 (0.03 to 0.14)	27.9 (19.4 to 43)	0.31 (0.22 to 0.48)	3.56 (1.14 to 6.03)
Tanzania	24777.3 (15311.6 to 39564.8)	141.4 (85.64 to 228.75)	23270.9 (19467.9 to 29113.8)	59.49 (50.22 to 72.15)	-4.49 (-6.34 to -2.61)
Thailand	519.3 (269.3 to 944.3)	0.91 (0.46 to 1.7)	13923.5 (10558.3 to 20831.2)	15.51 (11.78 to 23.08)	2.83 (-0.35 to 6.1)
The Bahamas	48.2 (43.2 to 52)	20.56 (18.77 to 22.03)	91.4 (83.7 to 97.5)	20.63 (18.91 to 22.01)	-2.76 (-3.99 to -1.51)
The Gambia	16.9 (9 to 34.9)	2.44 (1.29 to 5.1)	971.1 (636.5 to 1432.6)	62.54 (42.01 to 89.68)	9.4 (6.52 to 12.36)
Timor-Leste	4.9 (0.1 to 30.8)	0.83 (0.02 to 5.19)	152 (1.6 to 944.9)	14.74 (0.14 to 91.64)	3.93 (1.16 to 6.78)
Togo	232.1 (123.9 to 498.1)	9.26 (4.86 to 19.79)	3043.1 (2270.8 to 4053.5)	49.9 (37.76 to 65.28)	3.31 (0.09 to 6.62)
Tokelau	0 (0 to 0)	0.22 (0.02 to 0.78)	0.1 (0 to 0.5)	7.57 (0.12 to 37.37)	12.22 (11.72 to 12.72)
Tonga	0.2 (0 to 0.4)	0.22 (0.05 to 0.51)	1.5 (0.3 to 3.8)	1.68 (0.32 to 4.41)	5.39 (4.43 to 6.35)
Trinidad and Tobago	74.6 (67.5 to 80.2)	6.75 (6.17 to 7.2)	160.2 (146.4 to 171.6)	9.76 (8.89 to 10.47)	-1.12 (-2.65 to 0.44)
Tunisia	4.7 (0.6 to 26)	0.07 (0.01 to 0.37)	96.6 (3.8 to 517.4)	0.73 (0.03 to 3.88)	8.61 (7.93 to 9.29)
Turkey	4.8 (0 to 9.4)	0.01 (0 to 0.02)	187 (148.8 to 217)	0.2 (0.16 to 0.23)	8.88 (7.45 to 10.32)
Turkmenistan	22.2 (15.4 to 28.5)	0.73 (0.49 to 0.95)	37.6 (24.5 to 50.5)	0.7 (0.45 to 0.94)	-1.57 (-2.62 to -0.52)
Tuvalu	0 (0 to 0.1)	0.22 (0.02 to 0.74)	0.8 (0 to 4.1)	7.34 (0.11 to 36.59)	12.25 (11.74 to 12.76)

Uganda	56570.2 (36112 to 80516.5)	532.95 (343.42 to 751.89)	17704.6 (14104.2 to 23446.3)	67.86 (55.76 to 85.9)	-7.31 (-8.31 to -6.31)
UK	401.1 (378.5 to 414.1)	0.65 (0.61 to 0.67)	209.8 (203.1 to 214.3)	0.26 (0.25 to 0.27)	-4.13 (-5.13 to -3.12)
Ukraine	579.7 (390 to 745.6)	1.05 (0.7 to 1.36)	3264.9 (2583.9 to 3869.7)	6.19 (4.9 to 7.3)	6.39 (4.94 to 7.87)
United Arab Emirates	1.2 (0.1 to 4.2)	0.06 (0 to 0.23)	72.6 (1.3 to 427.5)	1.84 (0.01 to 12.47)	12.8 (12.07 to 13.53)
Uruguay	34.1 (31.9 to 35.6)	1 (0.93 to 1.05)	129.3 (120.1 to 136.4)	3.19 (2.93 to 3.38)	3.6 (2.69 to 4.52)
USA	21839.1 (19143.1 to 23432.7)	7.71 (6.79 to 8.25)	6187.9 (5906.2 to 6407.2)	1.51 (1.43 to 1.57)	-7.16 (-7.92 to -6.38)
Uzbekistan	39.1 (24.9 to 52.1)	0.24 (0.15 to 0.34)	168.6 (101.6 to 234.4)	0.48 (0.29 to 0.66)	1.42 (0.94 to 1.91)
Vanuatu	0.7 (0 to 4)	0.66 (0.01 to 4.16)	13.2 (0.1 to 104.9)	5.69 (0.03 to 45.92)	5.7 (4.96 to 6.44)
Venezuela	465.9 (447.5 to 483.9)	3.01 (2.91 to 3.12)	1723 (1626 to 1820.1)	5.62 (5.31 to 5.94)	2.01 (1.43 to 2.59)
Vietnam	97.6 (43.9 to 184.9)	0.14 (0.06 to 0.27)	2790.2 (2203.7 to 3694.6)	2.48 (1.97 to 3.24)	8.07 (5.66 to 10.53)
Virgin Islands	6 (5.5 to 6.4)	5.48 (5.05 to 5.85)	6.4 (6 to 6.8)	5.09 (4.68 to 5.42)	-1.17 (-1.85 to -0.49)
Yemen	44.4 (1.6 to 182.3)	0.56 (0.02 to 2.42)	241.7 (6.1 to 1291.8)	0.99 (0.02 to 5.68)	1.34 (0.76 to 1.92)
Zambia	9095.3 (5576.2 to 15177.8)	168.43 (97.45 to 285.86)	18406 (15654.8 to 22559.3)	148.83 (128.96 to 174.62)	-3.27 (-5.23 to -1.26)
Zimbabwe	8142.2 (4054.7 to 19503.3)	111.91 (53.36 to 271.62)	17590 (15891 to 19669.7)	162.85 (147.15 to 182.5)	-1.82 (-4.66 to 1.09)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S6. The years of life lost (YLLs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease countries and territories (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	YLLs No. (95% UI)	ASR per 100,000 No. (95% UI)	YLLs No. (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Afghanistan	574.8 (22.8 to 2179.7)	7.41 (0.28 to 28.87)	6284.7 (146 to 31297)	20.65 (0.43 to 105.61)	2.88 (2.52 to 3.25)
Albania	42.7 (33.1 to 50.1)	1.45 (1.13 to 1.69)	63.6 (56.6 to 72.7)	2.18 (1.93 to 2.5)	1.2 (0.82 to 1.57)
Algeria	832.7 (146.9 to 4647.3)	4.46 (0.75 to 25.12)	6246.1 (522.4 to 48542.7)	14 (1.16 to 109.22)	4.87 (3.88 to 5.87)
American Samoa	3.1 (0.6 to 7)	7.29 (1.38 to 16.76)	17.6 (3.7 to 43.5)	34.29 (7.07 to 85.19)	4.03 (3.01 to 5.06)
Andorra	55.2 (7.3 to 239.8)	83.07 (11.24 to 353.24)	105.6 (6.7 to 467.2)	94.32 (6.06 to 405.3)	-0.34 (-0.77 to 0.09)
Angola	8691.9 (4521.7 to 18802.6)	106.44 (55.08 to 223.95)	726927 (482616 to 1084963.1)	3293.39 (2276.17 to 4792.78)	10.29 (7.97 to 12.66)
Antigua and Barbuda	241.2 (217.9 to 259.9)	438.53 (400.33 to 470.33)	251.8 (229.7 to 269.7)	241.15 (219.54 to 258.45)	-2.18 (-2.88 to -1.47)
Argentina	21971.7 (20505.1 to 23019.1)	69.05 (64.39 to 72.39)	71393.7 (68943.6 to 73925.8)	148.24 (143.17 to 153.59)	0.42 (-0.79 to 1.63)
Armenia	28.7 (24.1 to 32.7)	0.85 (0.71 to 0.98)	515.6 (484.5 to 546.2)	14.97 (14.08 to 15.86)	15.84 (13.06 to 18.69)
Australia	16968.7 (16394.9 to 17563.7)	91.65 (88.61 to 94.76)	2702.5 (2610.5 to 2793)	9.57 (9.24 to 9.91)	-9.51 (-10.56 to -8.44)
Austria	2509.8 (2149.6 to 2761.8)	29.57 (25.13 to 32.59)	1248.7 (1181.7 to 1321.5)	12.35 (11.67 to 13.09)	-4.97 (-6.05 to -3.88)
Azerbaijan	225.7 (47.8 to 409.4)	3.05 (0.66 to 5.71)	597.3 (466.6 to 697.1)	4.88 (3.85 to 5.7)	-0.42 (-1.6 to 0.77)
Bahrain	48.5 (36 to 60.3)	9.2 (7.07 to 11.2)	106.2 (77.8 to 146.8)	5.4 (3.97 to 7.26)	-2.21 (-3.11 to -1.3)
Bangladesh	0 (0 to 0)	0 (0 to 0)	11193.2 (136.8 to 66971.7)	6.81 (0.08 to 40.18)	53.78 (18.73 to 99.17)
Barbados	1342.4 (1206.9 to 1450.5)	524.86 (476 to 564.93)	832.8 (765 to 888.8)	247.88 (225.2 to 266.11)	-3.86 (-4.7 to -3.02)
Belarus	2886.7 (2390.6 to 3298.3)	26.13 (21.43 to 29.92)	9338.6 (8794.3 to 9921.2)	87.57 (82.47 to 93.02)	5.48 (4.55 to 6.42)
Belgium	5049.2 (4844.8 to 5256.5)	44.94 (43.14 to 46.83)	2036 (1943.5 to 2127)	15.49 (14.79 to 16.22)	-4.8 (-5.72 to -3.87)
Belize	898.6 (811.9 to 965.5)	666.64 (608.61 to 712.32)	2927.1 (2626.1 to 3169.3)	720.92 (650.28 to 779.23)	0.97 (0.04 to 1.91)
Benin	1190.8 (527.2 to 2564.2)	32.51 (14.46 to 71.01)	76994.7 (54720.8 to 109468.7)	871.14 (636.95 to 1176.16)	3.68 (-0.6 to 8.15)

Bermuda	522.7 (475.3 to 562.8)	737.95 (674.18 to 791.99)	200.4 (185.5 to 213.1)	256.04 (234.81 to 273.94)	-3.76 (-4.39 to -3.12)
Bhutan	162 (3.8 to 878.1)	34.87 (0.72 to 205.93)	1172.2 (21.8 to 7447.9)	142.95 (2.62 to 889.55)	3.73 (2.85 to 4.61)
Bolivia	7247.6 (587.1 to 33054.9)	145.85 (10.47 to 638)	26919.5 (1828.8 to 150007.3)	229.7 (15.79 to 1272.03)	0.45 (-0.37 to 1.28)
Bosnia and Herzegovina	145.2 (103.9 to 178)	2.88 (2.06 to 3.53)	62.4 (39.3 to 114.3)	1.62 (1.12 to 2.56)	-3.41 (-4.22 to -2.59)
Botswana	48688.1 (30771.6 to 84563.2)	4528.74 (2744.78 to 7862.12)	243472.4 (195118.1 to 323748.6)	10462.07 (8657.25 to 13404.12)	-1.28 (-3.9 to 1.41)
Brazil	262934.8 (229622.9 to 287843.9)	177.79 (154 to 195.96)	516505.3 (456930.5 to 558042.9)	211.36 (187.92 to 227.9)	-1.03 (-1.64 to -0.42)
Brunei	24.4 (17.4 to 32.9)	11.54 (8.42 to 15.11)	181.3 (155.5 to 208.8)	35.93 (31.03 to 41.19)	4.04 (3.27 to 4.82)
Bulgaria	848.2 (777.1 to 922.4)	8.87 (8.13 to 9.62)	1024.8 (959.8 to 1091)	13.99 (13.19 to 14.86)	0.89 (-0.29 to 2.09)
Burkina Faso	457391 (289834.2 to 716470.9)	7050.45 (4481.24 to 10988.24)	109436.5 (86537.2 to 141924.1)	676.69 (537.08 to 857.47)	-9.25 (-10.24 to -8.24)
Burundi	234825.1 (103739.7 to 649435.5)	5646.38 (2467.27 to 15611.57)	78534 (64701.9 to 97182.3)	916.83 (746.38 to 1166.69)	-7.8 (-9.76 to -5.81)
Cambodia	207.5 (62 to 525.1)	2.33 (0.71 to 5.87)	45287.9 (30171.9 to 68831.6)	280.58 (191.02 to 411.21)	6.65 (-0.17 to 13.93)
Cameroon	45336.7 (28320.6 to 79643.5)	558.48 (345.19 to 985.13)	1018858.4 (849636 to 1275780.5)	4573.76 (3957.47 to 5492.01)	5.35 (2.58 to 8.19)
Canada	29255.3 (24959.9 to 32096.2)	92.28 (79.47 to 100.99)	8303.2 (7495 to 8982.7)	19.76 (17.6 to 21.48)	-7.04 (-7.99 to -6.08)
Cape Verde	983.3 (398.3 to 2190.7)	406.09 (167.54 to 881.49)	2139.1 (1025.1 to 5008.4)	380.51 (185.68 to 884.09)	-2.24 (-4.05 to -0.38)
Central African Republic	74598.8 (46899.6 to 133930.1)	3197.9 (2025.16 to 5889.99)	241328.8 (185628 to 334914.4)	5884.55 (4683.29 to 7966.02)	-1.1 (-2.94 to 0.77)
Chad	26024.1 (13932.4 to 61721.3)	603.5 (325.42 to 1472.59)	184577.1 (121240.7 to 280568.7)	1832.54 (1246.18 to 2651.53)	0.86 (-1.13 to 2.88)
Chile	5009.2 (4881.3 to 5143.1)	37.79 (36.86 to 38.77)	21265.1 (20747.8 to 21793.2)	103.56 (101.04 to 106.17)	1.91 (0.53 to 3.31)
China	68767.1 (16301.2 to 110030.1)	5.65 (1.32 to 9.03)	846073.3 (661203.6 to 1026187.5)	48.39 (38.47 to 58.25)	6.62 (6.01 to 7.23)
Colombia	21877.7 (21013.6 to 22746.9)	74.34 (71.41 to 77.02)	106004.3 (99914.2 to 111803.2)	207.06 (195.08 to 218.56)	2.88 (1.66 to 4.12)
Comoros	1.6 (0 to 10.2)	0.53 (0 to 3.47)	86.1 (1.2 to 593.1)	12.4 (0.17 to 88.6)	10.4 (8.72 to 12.1)
Congo (Brazzaville)	114638.6 (70998.4 to 193265.5)	6255.42 (3872.93 to 10293.43)	175817.8 (141238.8 to 223594)	3668.78 (3032.93 to 4557.13)	-3.45 (-4.56 to -2.33)
Cook Islands	1.8 (0.2 to 6.8)	10.66 (1.09 to 38.6)	62.9 (0.9 to 307.5)	341.99 (5.31 to 1690.98)	11.92 (11.46 to 12.38)

Costa Rica	2352.8 (2238.9 to 2473.2)	85.52 (81.68 to 89.56)	6140 (5785.3 to 6464.7)	117.62 (110.81 to 124.01)	-0.86 (-1.7 to -0.01)
Croatia	242.2 (226.1 to 257.2)	4.38 (4.1 to 4.67)	261.2 (246.8 to 275.4)	5.29 (5 to 5.57)	-0.56 (-2.1 to 1)
Cuba	2288.7 (2061.3 to 2467.8)	19.79 (17.85 to 21.29)	11904.1 (10930.5 to 12695.2)	93.51 (84.87 to 100.51)	5.89 (4.82 to 6.96)
Cyprus	23.9 (17.8 to 33.8)	2.93 (2.19 to 4.14)	170.6 (154.7 to 187)	10.6 (9.62 to 11.58)	3.89 (3.19 to 4.58)
Czech Republic	179 (168 to 189.8)	1.58 (1.48 to 1.67)	662.2 (624.3 to 698.7)	5.39 (5.09 to 5.69)	4.83 (3.36 to 6.33)
Denmark	90.2 (83 to 96.8)	1.56 (1.43 to 1.67)	858.1 (818.3 to 898.9)	12.9 (12.27 to 13.52)	1.33 (-3.4 to 6.3)
Djibouti	25 (2.7 to 88)	6.16 (0.65 to 21.21)	40774 (28522.5 to 58943.7)	3493.69 (2512.35 to 5014.53)	15.88 (9.86 to 22.23)
Dominica	207.8 (187.8 to 223.8)	337.19 (306.35 to 363.22)	172.3 (157.1 to 184.4)	237.34 (215.78 to 254.73)	-1.14 (-1.85 to -0.42)
Dominican Republic	11015.9 (5450.4 to 23156.1)	168.9 (81.79 to 357.07)	46808.6 (33029.7 to 71771.1)	428.29 (304.48 to 647.11)	-0.71 (-3 to 1.63)
DR Congo	695738.7 (427485.4 to 1087832.7)	2474.37 (1553.83 to 3838.95)	404887.5 (303198.8 to 567829.5)	609.65 (463.86 to 841.53)	-4.88 (-6.46 to -3.28)
Ecuador	2787.8 (2610.2 to 2950.5)	32.26 (30.31 to 33.99)	54679 (50334.4 to 59062)	307.98 (284.02 to 332.97)	8.5 (6.99 to 10.02)
Egypt	957.4 (516 to 1286.9)	2.14 (1.13 to 2.86)	1416.5 (1089.2 to 1800.6)	1.42 (1.09 to 1.8)	-1.81 (-2.78 to -0.84)
El Salvador	3213.7 (2930.8 to 3500.1)	78.08 (71.96 to 84.37)	25299.7 (15032.2 to 34991.7)	414.99 (244.92 to 579.9)	5.2 (3.34 to 7.1)
Equatorial Guinea	825.5 (446.7 to 1662.9)	259.81 (138.28 to 524.16)	93051.7 (56546.5 to 157207.5)	8479.55 (5339.27 to 13766.34)	10.8 (8.29 to 13.37)
Eritrea	18053.4 (8604.1 to 42809.2)	782.53 (370.05 to 1858.85)	58757.9 (41756.1 to 81429.6)	1097.35 (805.92 to 1471.85)	-1.88 (-4.05 to 0.34)
Estonia	15.5 (12.6 to 18)	0.93 (0.75 to 1.07)	1005.7 (912.3 to 1103.4)	79.85 (72.76 to 87.45)	21.09 (17.23 to 25.07)
eSwatini	909.3 (436.4 to 2236.5)	132.25 (68.02 to 326.2)	142456.1 (120212.2 to 179100.9)	14366.63 (12377.01 to 17481.41)	10.46 (5.03 to 16.18)
Ethiopia	474824.4 (270070.9 to 942690.7)	1232.91 (694.91 to 2450.44)	1032392.5 (816167.1 to 1302164.8)	1304.79 (1095.6 to 1575.95)	-3.21 (-5.59 to -0.77)
Federated States of Micronesia	35.7 (0.4 to 210.8)	52.23 (0.44 to 336.66)	1682.3 (10.4 to 8488.2)	1796.28 (10.35 to 8938.56)	12.13 (11.13 to 13.13)
Fiji	77.2 (21.2 to 143)	10.75 (2.98 to 19.71)	331.9 (236.7 to 508.3)	35.16 (25.04 to 53.86)	2.33 (0.75 to 3.93)
Finland	462.5 (415.6 to 496.1)	7.81 (6.96 to 8.39)	178.1 (169 to 187.2)	2.8 (2.65 to 2.95)	-4.95 (-6.18 to -3.72)

France	140023.6 (135267.5 to 144140.1)	226.99 (219.33 to 233.79)	17234.3 (16383 to 18155.8)	22.86 (21.73 to 24.03)	-10.19 (-11.36 to -8.99)
Gabon	5880.9 (2926.8 to 15870.7)	730.44 (368.27 to 1932.2)	46329.6 (32385.3 to 69335.6)	2896.99 (2035.84 to 4262.74)	2.22 (-0.24 to 4.74)
Georgia	35.2 (27.2 to 42.7)	0.62 (0.48 to 0.76)	405.6 (384.4 to 430)	10.34 (9.79 to 10.96)	14.43 (11 to 17.98)
Germany	64930.1 (58917.9 to 68937.8)	71.92 (64.92 to 76.59)	14640.2 (13878 to 15409.2)	14.33 (13.61 to 15.12)	-6.59 (-7.7 to -5.47)
Ghana	96762.8 (59632.5 to 163587.8)	820.31 (508.17 to 1387.56)	628889.2 (497265.9 to 811611)	2273.89 (1858.39 to 2870.96)	1.61 (-0.32 to 3.57)
Greece	917.7 (702.2 to 1097.4)	8.33 (6.25 to 10.1)	594.5 (551.5 to 642.2)	5.23 (4.82 to 5.65)	-2.39 (-4.43 to -0.3)
Greenland	80.4 (60.8 to 108)	133.13 (102.11 to 176.25)	44.8 (34.2 to 55.8)	64.49 (49.27 to 79.27)	-3.4 (-4.01 to -2.78)
Grenada	231.4 (208.4 to 250.1)	348.96 (316.22 to 376.12)	188.4 (172.1 to 201.7)	167.26 (151.99 to 179.71)	-2.2 (-2.73 to -1.67)
Guam	49.5 (10.3 to 110.4)	35.19 (7.27 to 78.27)	253 (114.1 to 526.3)	149.42 (67.21 to 310.34)	3.35 (2.64 to 4.06)
Guatemala	10465.7 (9981.5 to 10912.9)	177.28 (169.52 to 184.5)	28904.4 (27224.6 to 30669)	172.61 (163.61 to 182.96)	-0.31 (-1.28 to 0.66)
Guinea	8932.3 (5433.9 to 16113.4)	188.85 (115.99 to 338.91)	170522.1 (114936.8 to 258113.2)	1880.05 (1307.09 to 2716.11)	6.2 (3.93 to 8.53)
Guinea-Bissau	1901.7 (1045.2 to 3601.8)	252.57 (140.75 to 475.83)	43219.2 (24768.1 to 72869.6)	2993.58 (1742.98 to 4959.02)	6.61 (3.84 to 9.46)
Guyana	2914.5 (2635.1 to 3135.5)	439.07 (402.29 to 469.24)	6516.9 (5835 to 7025.8)	838.4 (750.74 to 905.7)	1.56 (-0.27 to 3.42)
Haiti	82449.6 (46757.5 to 160008)	1572.57 (879.75 to 3033.96)	195527.1 (147872.3 to 260733.8)	1768.42 (1385.74 to 2302.41)	-2.17 (-3.88 to -0.43)
Honduras	2822.1 (1919.3 to 3831.7)	85.23 (58.58 to 113.86)	4060 (3062.6 to 5073.1)	43.35 (33.62 to 54.21)	-5.36 (-6.87 to -3.83)
Hungary	6093.2 (5871.6 to 6326)	48.87 (47.04 to 50.77)	1365 (1274.6 to 1452.4)	10.64 (9.97 to 11.31)	-7.79 (-8.56 to -7.01)
Iceland	44.8 (32.8 to 55.7)	16.9 (12.58 to 20.8)	18.4 (14.7 to 21.7)	4.96 (3.9 to 5.91)	-5.55 (-6.25 to -4.84)
India	10236.8 (2381.2 to 30185.1)	1.36 (0.33 to 3.95)	1476325.8 (1208631.2 to 1777575.7)	101.94 (84.08 to 121.46)	9.83 (4.19 to 15.78)
Indonesia	0 (0 to 0)	0 (0 to 0)	196719.2 (159936.2 to 250017.9)	68.97 (56.4 to 87.06)	37.72 (10.43 to 71.77)
Iran	430.3 (110.4 to 784.1)	1.02 (0.26 to 1.84)	15750 (8437.3 to 26703.1)	15.84 (8.66 to 26.64)	10.18 (9.6 to 10.75)
Iraq	128.8 (78.3 to 212.8)	0.97 (0.6 to 1.56)	2117.2 (530.1 to 6620.2)	4.99 (1.19 to 16.33)	5.96 (4.99 to 6.94)
Ireland	456.5 (408 to 493.8)	13.06 (11.67 to 14.12)	355.1 (335.2 to 376.6)	6.83 (6.46 to 7.26)	-5.42 (-7.3 to -3.51)
Israel	1112.8 (982.6 to 1206.7)	24.01 (21.27 to 26.02)	1142.2 (1086.6 to 1202)	12.24 (11.63 to 12.87)	-2.57 (-3.35 to -1.79)
Italy	79495.8 (65522.4 to 87063.9)	135.52 (110.85 to 148.92)	21716 (20668.7 to 22632.8)	27.93 (26.34 to 29.23)	-8.02 (-9.3 to -6.72)

Ivory Coast	366075.4 (172875.1 to 1001294.4)	3812.51 (1768.5 to 10467.32)	537587.7 (446541.7 to 683891.5)	2582.86 (2169.8 to 3134.15)	-3.52 (-5.49 to -1.51)
Jamaica	6360.1 (5717.4 to 6865.2)	326.88 (296.6 to 351.88)	14486.4 (13200.2 to 15586.6)	480.85 (437.47 to 517.65)	0.4 (-0.79 to 1.61)
Japan	2534.9 (2440.8 to 2594.2)	1.7 (1.62 to 1.75)	4779.6 (4672.7 to 4872.2)	2.75 (2.68 to 2.81)	1.28 (0.3 to 2.27)
Jordan	40.5 (30.8 to 48.4)	1.54 (1.18 to 1.83)	768.2 (546.1 to 1028.5)	6.85 (4.75 to 9.22)	5.06 (3.93 to 6.21)
Kazakhstan	1390.1 (882.7 to 1847.7)	8.48 (5.4 to 11.41)	5206.7 (4781.9 to 5635.2)	25.54 (23.48 to 27.61)	2.08 (0.88 to 3.29)
Kenya	716605.4 (433113.2 to 1196354.5)	4267.46 (2581.16 to 7110.16)	2031827.6 (1726535.6 to 2448431.2)	4997.43 (4388.67 to 5753.18)	-2.53 (-4.55 to -0.47)
Kiribati	14.7 (7.4 to 23.2)	22.51 (11.43 to 35.42)	49.2 (36 to 67.4)	41.72 (30.5 to 57.47)	0.47 (-0.37 to 1.33)
Kuwait	36.7 (28.8 to 43.4)	2.13 (1.74 to 2.5)	70.7 (57.1 to 87.1)	1.14 (0.94 to 1.37)	-2.08 (-3.71 to -0.43)
Kyrgyzstan	434.5 (294.9 to 563.2)	11.25 (7.39 to 14.85)	2480.4 (2266.4 to 2706.5)	37.83 (34.6 to 41.37)	3.19 (2.52 to 3.87)
Laos	0 (0 to 0)	0 (0 to 0)	15015.5 (136.3 to 108736.4)	215.93 (1.88 to 1610.04)	50.39 (21.53 to 86.12)
Latvia	292.9 (209.4 to 390.8)	10.39 (7.46 to 13.86)	2893.7 (2721.9 to 3062.5)	141.03 (132.65 to 149.31)	10.01 (9.05 to 10.97)
Lebanon	829.8 (44.1 to 2683.5)	30.31 (1.59 to 96.93)	1273.8 (31.9 to 6435.4)	23.4 (0.6 to 117.78)	-1.95 (-2.47 to -1.43)
Lesotho	19793.3 (12137.7 to 36791.5)	1342.51 (807.11 to 2531.15)	466527.3 (370337.9 to 613837.2)	23825.56 (19715.69 to 30333.31)	7.05 (3.94 to 10.24)
Liberia	4748.2 (2440.5 to 11183.7)	317.27 (162.32 to 750.37)	71349 (53978.5 to 99252.3)	1767.06 (1366.09 to 2366.05)	4.19 (1.82 to 6.62)
Libya	132.9 (6.4 to 468.2)	4.29 (0.2 to 14.99)	2368.4 (36.6 to 13343.4)	29.36 (0.46 to 164.46)	6.71 (5.87 to 7.55)
Lithuania	435.3 (371 to 499.6)	10.95 (9.31 to 12.6)	943.5 (869.4 to 1022.1)	29.58 (27.23 to 32.15)	6.2 (4.83 to 7.59)
Luxembourg	190.7 (165.4 to 208.8)	42.89 (37.22 to 47.04)	87.3 (81 to 93.3)	11.97 (11.07 to 12.82)	-6.47 (-7.31 to -5.62)
Madagascar	37.2 (5.5 to 104.5)	0.39 (0.06 to 1.12)	109263.2 (71650.2 to 163197.3)	509.98 (341.32 to 747.44)	23.6 (17.86 to 29.62)
Malawi	549879.3 (333497 to 960801.5)	7553.54 (4451.56 to 13203.45)	586992.9 (489432.7 to 752810.2)	4445.59 (3821.08 to 5430.75)	-3.94 (-6.23 to -1.6)
Malaysia	204.3 (107.6 to 352.2)	1.22 (0.64 to 2.12)	28972 (19861.5 to 38332.7)	84.58 (58.01 to 111.9)	10.61 (7.28 to 14.04)
Maldives	2.6 (2.1 to 3.2)	1.71 (1.4 to 2.05)	35.4 (31.7 to 39.1)	5.98 (5.37 to 6.49)	3.79 (2.66 to 4.93)
Mali	20282.7 (10178.6 to 52108.7)	313.87 (155.47 to 804.27)	179739.9 (128636.4 to 241358.3)	1254.02 (917.21 to 1647.92)	2.52 (0.33 to 4.75)
Malta	93.3 (83.6 to 101.6)	22.68 (20.2 to 24.64)	52.6 (48.9 to 56)	11.01 (10.22 to 11.76)	-4.17 (-4.98 to -3.34)

Marshall Islands	9.8 (0.1 to 60.2)	31.82 (0.35 to 193.2)	153.6 (0.8 to 1223.9)	271.19 (1.41 to 2143.23)	5.11 (4.33 to 5.91)
Mauritania	1503.1 (15.9 to 10795.3)	112.58 (1.19 to 817.19)	896.6 (20.4 to 6988.7)	28.05 (0.69 to 213.85)	-6.6 (-7.34 to -5.84)
Mauritius	401.3 (353.2 to 451)	35.54 (30.88 to 40.03)	3117.7 (2636.8 to 3519.5)	214.72 (183.13 to 241.39)	16.74 (13.75 to 19.81)
Mexico	91855.3 (88639 to 94252.9)	127.06 (122.89 to 130.05)	218887.7 (212632.9 to 223608.5)	165.4 (160.69 to 168.98)	-0.32 (-1.01 to 0.38)
Moldova	290.1 (241.5 to 336.1)	6.18 (5.15 to 7.15)	6269.8 (5857.3 to 6655.5)	143.28 (134.04 to 152)	9.76 (7.59 to 11.98)
Monaco	14 (4.6 to 39.4)	39.7 (12.25 to 109.69)	26.5 (6.1 to 84.5)	55.31 (10.47 to 186.58)	0.26 (-0.12 to 0.65)
Mongolia	0.1 (0 to 0)	0.01 (0 to 0)	218.9 (31.8 to 556)	6.41 (0.89 to 16.69)	19.33 (14 to 24.91)
Montenegro	24.8 (18.8 to 29.6)	3.74 (2.83 to 4.48)	38.1 (32.5 to 45.1)	5.83 (4.99 to 6.88)	0.44 (-0.97 to 1.87)
Morocco	1754.6 (82.6 to 5790.9)	8.23 (0.38 to 26.7)	11594.5 (316.3 to 68206.9)	30.15 (0.83 to 179.73)	4.7 (2.96 to 6.47)
Mozambique	73009.5 (44213.8 to 139062.3)	712.02 (422.92 to 1371.9)	2667568.5 (2071507.3 to 3689565.5)	12246.37 (9855.05 to 16457.44)	8.08 (5.39 to 10.84)
Myanmar	969.6 (352.2 to 2263)	2.38 (0.84 to 5.63)	169803.8 (128347.5 to 234447.7)	294.67 (222.82 to 405.92)	10.94 (5.66 to 16.49)
Namibia	9761.7 (6467.5 to 16283.3)	862.36 (566.92 to 1455.67)	150789.1 (127870.7 to 182652.1)	7249.66 (6220.07 to 8683.29)	3.6 (0.17 to 7.14)
Nauru	0.9 (0.1 to 3.4)	10.25 (1.03 to 37.32)	33.2 (0.5 to 163.8)	342.41 (5.48 to 1694.78)	12.09 (11.57 to 12.6)
Nepal	0 (0 to 0)	0 (0 to 0)	45294 (829.4 to 260322.6)	159.47 (2.91 to 903.86)	53.02 (23.14 to 90.14)
Netherlands	13559.9 (12857.4 to 14153.7)	79.79 (75.65 to 83.35)	1852.4 (1770.1 to 1946.5)	9.47 (9.05 to 9.96)	-9.35 (-10.46 to -8.22)
New Zealand	2257.5 (2156.1 to 2348.4)	62.24 (59.51 to 64.67)	350 (333.7 to 363.1)	7.57 (7.16 to 7.88)	-7.77 (-8.98 to -6.54)
Nicaragua	608 (486.1 to 722.8)	21.29 (17.13 to 24.87)	24115 (15085.7 to 33766.5)	365.62 (223.61 to 522.72)	11.01 (10.28 to 11.75)
Niger	11372.4 (6245.8 to 22963.1)	201.09 (109.62 to 407.05)	56823.9 (40175.5 to 79095.3)	426.27 (297.35 to 592.24)	0.06 (-2.37 to 2.55)
Nigeria	271920.9 (175396.5 to 451993.1)	378.01 (245.28 to 623.28)	2893456.8 (2117401 to 3828296.6)	1858.87 (1418.93 to 2365.72)	2.44 (0.2 to 4.73)
Niue	0.2 (0 to 0.7)	10.6 (1.08 to 37.88)	5.6 (0.1 to 27.3)	331.26 (5.12 to 1649.2)	11.97 (11.44 to 12.49)
North Korea	706.3 (0.4 to 4525.7)	3.43 (0 to 21.77)	20661.5 (475.7 to 107856.3)	68.37 (1.53 to 344.42)	8.82 (7.42 to 10.25)

North Macedonia	20.1 (14.4 to 24.9)	0.94 (0.68 to 1.17)	55.7 (47.8 to 63.4)	2.3 (1.98 to 2.59)	3.29 (2.06 to 4.54)
Northern Mariana Islands	3.8 (0.7 to 9)	6.97 (1.34 to 16.01)	21.3 (3.7 to 48.3)	47.86 (8.52 to 109.2)	5.5 (4.31 to 6.71)
Norway	1285.2 (1205.8 to 1344.8)	28.74 (26.93 to 30.05)	537.4 (512.1 to 556.4)	9.26 (8.78 to 9.61)	-5.46 (-6.59 to -4.32)
Oman	109.9 (88 to 126.7)	7.3 (5.93 to 8.38)	3527.9 (1961.3 to 5318.4)	70.17 (38.43 to 110.04)	8.71 (7.42 to 10.01)
Pakistan	3976.9 (88.4 to 20741.4)	4.98 (0.1 to 25.07)	64596.3 (833.1 to 391503.1)	33.64 (0.4 to 194.26)	6.1 (5.16 to 7.05)
Palau	1.6 (0.2 to 6.1)	10.42 (1.06 to 38.13)	70.8 (1 to 358.7)	317.24 (4.59 to 1601.22)	11.73 (11.28 to 12.18)
Palestine	13.6 (9.5 to 18.4)	0.95 (0.66 to 1.27)	343.7 (290.2 to 407)	7.36 (6.23 to 8.79)	7.03 (6.13 to 7.94)
Panama	7157.1 (6688.6 to 7632.8)	332.86 (311.5 to 354.55)	24493.4 (23095.3 to 25845)	579.51 (546.5 to 610.88)	1.1 (0.24 to 1.96)
Papua New Guinea	51.8 (1.7 to 142.2)	1.46 (0.05 to 4.08)	147638.1 (44688.5 to 415962.2)	1702.9 (548.86 to 4795.82)	21.71 (15.24 to 28.55)
Paraguay	843.6 (347.8 to 1220.7)	25 (9.97 to 36.29)	15933.5 (9990.9 to 22579.5)	225.24 (139.15 to 327.09)	9.03 (7.74 to 10.33)
Peru	19162.7 (15411 to 22814.8)	100.81 (80.79 to 119.43)	80236.9 (50137.9 to 123528)	225.22 (140.48 to 347.77)	2.34 (1.16 to 3.54)
Philippines	33000.8 (32105.7 to 33729.6)	56.79 (55.1 to 58.01)	209298 (202008.2 to 215108.4)	183.39 (176.69 to 188.45)	4.5 (3.3 to 5.72)
Poland	615.4 (538.3 to 674.3)	1.51 (1.32 to 1.65)	4143.9 (3500.7 to 4638.9)	9.47 (8.09 to 10.53)	7.96 (5.31 to 10.69)
Portugal	7703 (6721.6 to 8355.1)	74.78 (64.89 to 81.46)	17205.3 (16253.4 to 18228.9)	138.07 (130.76 to 146.11)	-2.03 (-3.92 to -0.1)
Puerto Rico	36306.3 (32094.6 to 39621.1)	1007.55 (891.38 to 1099.38)	7548.6 (6989.9 to 8023.7)	185.93 (170.55 to 198.67)	-7.9 (-8.67 to -7.13)
Qatar	43.7 (30.2 to 56.5)	8.01 (5.71 to 10.28)	99 (73.5 to 121.3)	2.77 (2.12 to 3.36)	-5.4 (-6.55 to -4.25)
Romania	1827.3 (1555 to 2078.8)	7.71 (6.54 to 8.8)	3917.3 (3664.9 to 4170.5)	23.64 (21.93 to 25.42)	3.3 (1.06 to 5.59)
Russia	67299.4 (48464.6 to 83619.1)	41.51 (30.27 to 51.62)	419581.9 (303142.5 to 520351.3)	261.37 (192.11 to 319.62)	7.04 (6.55 to 7.54)
Rwanda	76495 (36479.9 to 207753.2)	1406.69 (673.65 to 3926.89)	129157.9 (107898.3 to 163617.6)	1299.51 (1104.35 to 1569.76)	-3.88 (-6.38 to -1.33)
Saint Kitts and Nevis	47 (14.1 to 117.8)	131.12 (40.14 to 347.16)	1063.7 (179.7 to 2775.2)	1480.01 (248.44 to 3813.9)	6.77 (5.5 to 8.06)
Saint Lucia	276.2 (249.1 to 297.9)	260.07 (235.26 to 279.82)	254.4 (231.5 to 273)	124.39 (112.84 to 134.02)	-2.36 (-2.99 to -1.73)
Saint Vincent and the Grenadines	504 (456.8 to 543)	599.22 (545.74 to 643.07)	699.1 (635.5 to 751)	571.8 (517.59 to 616.61)	-0.1 (-1.24 to 1.05)
Samoa	38.7 (0.5 to 229.3)	31.51 (0.35 to 180.68)	519.5 (2.9 to 4005.8)	281.11 (1.46 to 2215.15)	5.39 (4.63 to 6.16)
San Marino	10.6 (3.4 to 29.4)	41.67 (12.79 to 115.81)	21.9 (4.5 to 71.5)	53.48 (10.14 to 178.25)	-0.13 (-0.56 to 0.31)
Sao Tome and Principe	10.5 (3.8 to 21.7)	13.67 (5.03 to 28.17)	12.4 (6.6 to 19.2)	6.71 (3.74 to 10.31)	-6.15 (-8.12 to -4.13)

Saudi Arabia	1350.8 (831.3 to 2187.6)	10.39 (6.44 to 16.52)	19680.8 (8559.9 to 50015)	42.04 (17.93 to 111.07)	4.87 (3.95 to 5.79)
Senegal	9673.6 (5650.6 to 17615.7)	175.58 (103.59 to 321.21)	65902.1 (49749.9 to 89734.2)	566.88 (433.84 to 753.95)	2.02 (-0.29 to 4.38)
Serbia	323.5 (0 to 587.2)	3.37 (0 to 6.16)	1466.4 (899.7 to 3239.4)	15.02 (9.43 to 32.62)	7.66 (6.24 to 9.09)
Seychelles	6.4 (3.7 to 12.5)	9.85 (5.7 to 19.43)	113.5 (87.8 to 145.5)	95.92 (75.01 to 122.11)	4.36 (2.09 to 6.68)
Sierra Leone	4909 (2482.9 to 11656.1)	164.75 (82.71 to 393.65)	124876.6 (94714.5 to 172287.6)	1883.85 (1491.7 to 2518.37)	6.89 (4.57 to 9.26)
Singapore	299.6 (268.9 to 329.7)	8.97 (8.13 to 9.78)	1303.8 (1196.5 to 1421.9)	16.19 (14.9 to 17.57)	-1.31 (-3.31 to 0.73)
Slovakia	31.6 (0 to 62)	0.57 (0 to 1.1)	151.7 (126.6 to 176.8)	2.38 (1.98 to 2.74)	2.11 (0.41 to 3.84)
Slovenia	142.8 (128.4 to 154.2)	6.48 (5.85 to 7.01)	77.9 (72.4 to 84)	3.3 (3.05 to 3.57)	-2.75 (-4.82 to -0.63)
Solomon Islands	77.8 (1 to 472.7)	33.11 (0.36 to 197.34)	1543.5 (8.7 to 12119.8)	270.68 (1.42 to 2146.17)	4.92 (4.1 to 5.74)
Somalia	664.4 (70.9 to 2427.3)	12.07 (1.25 to 43.7)	129233.4 (95034.6 to 176563.7)	901.42 (673.28 to 1209.09)	9.32 (5.08 to 13.74)
South Africa	97181.6 (59207.8 to 170322.5)	276.81 (168.83 to 491.04)	6217154.7 (5135942.5 to 7983285.1)	10486.54 (8859.93 to 13198.63)	9.68 (5.52 to 14.01)
South Korea	1849.3 (1724.1 to 1974.6)	4.26 (3.99 to 4.53)	4622.2 (4267.3 to 4972.4)	6.11 (5.64 to 6.59)	3.23 (2.02 to 4.46)
South Sudan	9725.7 (4000.1 to 28476.9)	216.15 (88.62 to 639.66)	191927.4 (85111.2 to 395898.5)	2803.67 (1217.09 to 5679.17)	7.37 (5.09 to 9.69)
Spain	87701.2 (76114.1 to 95855.8)	223.19 (193.33 to 244.19)	24217.7 (22799 to 25639.3)	39.85 (37.62 to 42.09)	-9 (-10.05 to -7.93)
Sri Lanka	1094.7 (434.6 to 1742.6)	6.62 (2.61 to 10.46)	1515.8 (1110.8 to 2207.1)	6.57 (4.85 to 9.47)	-0.56 (-1.74 to 0.63)
Sudan	5125.3 (1530.6 to 17256.2)	32.6 (9.45 to 107.71)	159816.5 (83870 to 298650.6)	469.43 (248.27 to 871.98)	7.46 (5.64 to 9.32)
Suriname	2011 (1824.3 to 2155.9)	583.97 (530.61 to 625.39)	3529.2 (3208.2 to 3805)	582.2 (526.67 to 629.18)	0.48 (-0.81 to 1.79)
Sweden	2080.9 (1801.7 to 2281.5)	22.03 (18.83 to 24.3)	680.5 (626.4 to 720.6)	5.99 (5.45 to 6.4)	-6.18 (-7.36 to -5)
Switzerland	123.5 (112.1 to 132.7)	1.55 (1.41 to 1.67)	1368.5 (1291.2 to 1438.6)	13 (12.26 to 13.7)	1.38 (-4.4 to 7.5)
Syria	190.2 (157.6 to 216.4)	2.11 (1.78 to 2.36)	535.8 (419.1 to 752.4)	3.93 (3.05 to 5.44)	1.23 (0.54 to 1.92)
Taiwan (province of China)	260.8 (224.3 to 297)	1.17 (1 to 1.34)	4385.4 (3539.1 to 5127)	15.94 (13.14 to 18.52)	7.2 (5.41 to 9.01)
Tajikistan	160.9 (70.2 to 271)	3.91 (1.65 to 6.72)	1361.7 (945 to 2088.2)	14.71 (10.27 to 22.84)	3.61 (1.24 to 6.03)
Tanzania	1270245.2 (784829.4 to 2056271.9)	6713.9 (4143.98 to 10778.79)	1104279.2 (902236.2 to 1442988.6)	2603.68 (2177.53 to 3255.32)	-4.69 (-6.54 to -2.82)
Thailand	26893.1 (14188.3 to 47808)	44.49 (23.1 to 80.69)	591141.8 (452282.1 to 855181.5)	696.62 (533.39 to 1004.13)	2.41 (-0.79 to 5.71)
The Bahamas	2376.8 (2111.2 to 2582.8)	957.29 (860.64 to 1034.57)	4072.2 (3708.5 to 4367.1)	926.03 (841.74 to 995.61)	-2.99 (-4.24 to -1.72)
The Gambia	884.6 (470.8 to 1819.1)	117.53 (62.45 to 245.43)	46572.7 (29963.2 to 70652.8)	2773.82 (1835.2 to 4044.84)	9.09 (6.23 to 12.03)

Timor-Leste	258.2 (5.9 to 1643.8)	37.74 (0.82 to 239.48)	7079.3 (74.8 to 43455.6)	643.56 (6.55 to 3906.65)	3.77 (1.06 to 6.55)
Togo	12295 (6524.3 to 26320.8)	450.68 (237.36 to 965.92)	142145 (104280.9 to 194398.7)	2170.36 (1622.05 to 2887.29)	2.94 (-0.25 to 6.24)
Tokelau	0.1 (0 to 0.5)	10.54 (1.07 to 38.38)	4.5 (0.1 to 22.1)	345.64 (5.45 to 1729.94)	12.1 (11.58 to 12.61)
Tonga	7.7 (1.5 to 17.5)	10.25 (2.06 to 23.63)	65.7 (15.1 to 166.4)	73.6 (16.3 to 187.86)	5.25 (4.28 to 6.23)
Trinidad and Tobago	3702 (3322.6 to 4006.6)	319.75 (288.87 to 344.05)	7348.6 (6658 to 7922.6)	461.09 (416.1 to 497.08)	-1.17 (-2.71 to 0.4)
Tunisia	227.9 (33.1 to 1243)	3.26 (0.45 to 17.36)	4384.3 (203.6 to 23602)	33.77 (1.7 to 178.75)	8.52 (7.86 to 9.19)
Turkey	221 (0 to 436)	0.43 (0 to 0.85)	8255.6 (6589.3 to 9588.4)	8.73 (6.98 to 10.13)	9.03 (7.62 to 10.46)
Turkmenistan	1194.1 (834.2 to 1524.8)	37.95 (25.41 to 49.1)	1959.6 (1281.5 to 2623.4)	36.09 (23.52 to 48.39)	-1.56 (-2.61 to -0.5)
Tuvalu	0.9 (0.1 to 3.2)	10.14 (1.02 to 36.32)	38.5 (0.6 to 193.3)	337.46 (5.11 to 1709.81)	12.16 (11.62 to 12.69)
Uganda	2846647.8 (1789796.8 to 4123255.5)	24805.53 (15827.03 to 35199.66)	893739.4 (686262.7 to 1224866.7)	3057.24 (2455.16 to 3997.64)	-7.36 (-8.35 to -6.36)
UK	19175.6 (17944 to 19875.2)	31.6 (29.45 to 32.78)	8796 (8437.2 to 9022.3)	11.72 (11.16 to 12.05)	-4.51 (-5.52 to -3.49)
Ukraine	28424.4 (18941.2 to 36557.5)	51.99 (34.58 to 67.28)	156051.3 (122944.4 to 185351.1)	303.66 (240.67 to 361.77)	6.36 (4.83 to 7.91)
United Arab Emirates	62.4 (3.5 to 221)	2.89 (0.15 to 9.93)	3104.8 (60.3 to 17712.5)	44.39 (0.5 to 265.43)	10.38 (10.01 to 10.75)
Uruguay	1251.4 (1141.9 to 1323.8)	38.83 (35.22 to 41.27)	5010.5 (4554.5 to 5340.5)	132.77 (119.67 to 141.99)	3.62 (2.55 to 4.7)
USA	1072954.5 (933951.9 to 1155865.6)	376.77 (329.78 to 404.85)	240220.5 (226534.3 to 249978.5)	62.71 (58.84 to 65.59)	-7.83 (-8.63 to -7.02)
Uzbekistan	2081.8 (1334.2 to 2788.2)	12.29 (7.58 to 16.92)	8530.5 (5142.1 to 11918.5)	23.79 (14.32 to 33.16)	1.35 (0.84 to 1.86)
Vanuatu	31.4 (0.4 to 189.4)	27.76 (0.31 to 170.44)	619.1 (3.5 to 5032.1)	240.2 (1.26 to 1937.27)	5.4 (4.67 to 6.14)
Venezuela	23389.4 (22411.8 to 24390.4)	138.86 (133.4 to 144.28)	79343 (74728.2 to 83962.4)	261.74 (246.71 to 277.3)	1.9 (1.23 to 2.57)
Vietnam	5750.8 (2616.1 to 10791.4)	8.19 (3.66 to 15.62)	154108.1 (122361.4 to 199487.5)	137.81 (109.83 to 176.95)	8.17 (5.79 to 10.6)
Virgin Islands	267.6 (244.2 to 288.2)	242.89 (221.21 to 260.73)	253.6 (233.6 to 269.7)	221.34 (201.99 to 237.55)	-1.23 (-1.9 to -0.56)
Yemen	2133.4 (85.8 to 9200.1)	24.82 (0.87 to 103.73)	12178.8 (315.6 to 63404.9)	45.42 (1.15 to 246.16)	1.47 (0.92 to 2.03)
Zambia	484958.6 (304404.4 to 803750.5)	8176.61 (4842.28 to 13708.24)	896689.7 (750086.2 to 1152008)	6506.43 (5580.1 to 7882.46)	-3.51 (-5.46 to -1.51)

Zimbabwe	434010.6 (217236.4 to 1034009.1)	5482.72 (2707.57 to 13301.09)	816833 (728275.9 to 940954.6)	6929.76 (6296.38 to 7729.84)	-2.2 (-5.02 to 0.7)
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UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S7. The years lived with disability (YLDs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by Global Burden of Disease countries and territories (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	YLDs No. (95% UI)	ASR per 100,000 No. (95% UI)	YLDs No. (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Afghanistan	32.6 (3.6 to 112.8)	0.41 (0.04 to 1.48)	359 (23.6 to 1497.2)	1.23 (0.08 to 5.47)	3.14 (2.93 to 3.35)
Albania	4.7 (3.2 to 6.5)	0.16 (0.11 to 0.21)	5 (2.6 to 9)	0.16 (0.08 to 0.31)	0.16 (-0.02 to 0.35)
Algeria	62.7 (31.9 to 209.8)	0.31 (0.16 to 1.13)	621.7 (110.8 to 2846.5)	1.43 (0.25 to 6.51)	6.29 (5.65 to 6.93)
American Samoa	0.3 (0.1 to 0.4)	0.64 (0.34 to 1.07)	1.5 (0.5 to 3.7)	2.9 (0.94 to 7.29)	5.06 (4.63 to 5.49)
Andorra	4.9 (0.6 to 19)	7.35 (0.93 to 29.2)	11.7 (0.8 to 49.2)	10.86 (0.76 to 44.73)	0.76 (0.53 to 1)
Angola	1015.2 (557.3 to 1812)	12.11 (6.64 to 21.59)	47387.4 (26622.9 to 76417.6)	219.3 (124.02 to 359.59)	9.12 (7.71 to 10.54)
Antigua and Barbuda	7.2 (4.1 to 12.6)	12.87 (7.25 to 23.51)	25.9 (17.7 to 35.6)	25.27 (17.03 to 34.89)	0.84 (0.26 to 1.43)
Argentina	3807.2 (2479.5 to 5455.3)	11.95 (7.77 to 17.1)	18896 (8922.9 to 35608.1)	39.25 (18.51 to 74.09)	3.74 (3.53 to 3.96)
Armenia	8.3 (0 to 13.3)	0.24 (0 to 0.39)	87.7 (57.6 to 127.7)	2.47 (1.61 to 3.63)	10.17 (9.19 to 11.15)
Australia	997.5 (545.3 to 1599.9)	5.41 (2.96 to 8.73)	1305.3 (720 to 2172.1)	4.27 (2.29 to 7.2)	-1.38 (-1.97 to -0.78)
Austria	212.5 (0 to 370.6)	2.45 (0 to 4.28)	1121.2 (559.9 to 1909.9)	10.03 (5.1 to 16.67)	4.15 (3.76 to 4.54)
Azerbaijan	25.5 (14.6 to 39.9)	0.33 (0.19 to 0.51)	113.7 (71.3 to 176)	0.92 (0.58 to 1.42)	1.99 (1.45 to 2.53)
Bahrain	3 (1.8 to 4.8)	0.55 (0.33 to 0.97)	10.4 (6.1 to 16.8)	0.55 (0.33 to 0.87)	-0.51 (-1.07 to 0.05)
Bangladesh	0 (0 to 0)	0 (0 to 0)	1485.1 (810.9 to 3588.6)	0.92 (0.5 to 2.32)	11.49 (8.96 to 14.07)
Barbados	44.9 (20.4 to 88.1)	17.23 (7.77 to 33.55)	97.9 (65.9 to 136.1)	27.55 (18.26 to 39.37)	0.04 (-0.7 to 0.79)
Belarus	93.7 (0 to 142.6)	0.85 (0 to 1.29)	1056.5 (616.8 to 1769.1)	9.83 (5.67 to 16.57)	8.97 (8.49 to 9.45)
Belgium	272.5 (152.9 to 454.5)	2.44 (1.36 to 4.07)	1726.4 (831.9 to 2872.4)	11.77 (5.78 to 19.23)	4.13 (3.29 to 4.98)
Belize	26.3 (16.2 to 44)	19.26 (11.83 to 33.95)	218.8 (128.8 to 350)	54.54 (32.86 to 86.18)	3.16 (2.38 to 3.94)
Benin	325.3 (210.3 to 468.8)	8.91 (5.7 to 12.78)	7186 (4794.4 to 10115.1)	84.83 (56.29 to 121.13)	3.33 (0.9 to 5.82)
Bermuda	14.1 (7.5 to 25.2)	20.06 (10.61 to 36.09)	17.1 (11.6 to 24)	22.56 (14.57 to 32.85)	-1.12 (-1.65 to -0.59)
Bhutan	12.4 (2.2 to 71)	2.82 (0.48 to 14.46)	75.8 (4.8 to 411.2)	9.45 (0.59 to 52.31)	3.7 (3.37 to 4.02)
Bolivia	526.7 (182.8 to 2459.6)	10.62 (3.54 to 48.23)	1770.6 (329.4 to 8064.7)	15.31 (2.98 to 70.78)	0.63 (0.35 to 0.92)

Bosnia and Herzegovina	12.7 (8.7 to 17.1)	0.25 (0.17 to 0.34)	12.6 (7.6 to 19.5)	0.28 (0.18 to 0.41)	0.05 (-0.67 to 0.78)
Botswana	5586.3 (3816 to 7668.9)	500.28 (343.47 to 689.48)	30572 (21114.5 to 42046.1)	1346.98 (933.21 to 1842.88)	1.36 (-0.12 to 2.86)
Brazil	14607.5 (8684.1 to 23067.7)	9.62 (5.61 to 15.53)	70701.2 (46196.5 to 102857.2)	29.01 (18.88 to 42.22)	3.71 (3.27 to 4.16)
Brunei	2.8 (1.3 to 5.4)	1.34 (0.59 to 2.55)	39.6 (17.9 to 73.3)	7.87 (3.69 to 14.47)	6.23 (5.85 to 6.62)
Bulgaria	34.5 (0 to 77.3)	0.36 (0 to 0.8)	89.2 (57.7 to 131.8)	1.26 (0.79 to 1.97)	2.93 (2.15 to 3.71)
Burkina Faso	23919.6 (16014.2 to 34317.1)	365.61 (239.12 to 543.29)	10927.5 (7572.9 to 15359.9)	71.68 (49.26 to 100.65)	-6.27 (-6.68 to -5.86)
Burundi	18161.6 (6877.2 to 45167.8)	434.6 (159.29 to 1135.2)	9386 (6528.4 to 12661.8)	117.58 (81.7 to 158.78)	-5.67 (-6.57 to -4.76)
Cambodia	161 (99.5 to 244.1)	1.85 (1.14 to 2.77)	5803.4 (3663.1 to 8611.5)	37.43 (23.91 to 55.19)	3.3 (-0.37 to 7.11)
Cameroon	4690.9 (3087.6 to 6611.3)	56.55 (36.98 to 80.26)	68733.3 (47189.6 to 97518)	310.16 (209.23 to 449.38)	4.74 (2.84 to 6.67)
Canada	2785 (1263.8 to 4965.6)	8.88 (4.04 to 15.81)	5869.5 (3373.8 to 9489.6)	12.71 (7.06 to 21.09)	0.59 (0.24 to 0.94)
Cape Verde	90.1 (43.6 to 180.4)	35 (16.95 to 71.47)	247.1 (119 to 561)	44.08 (21.89 to 99.59)	-0.47 (-1.6 to 0.68)
Central African Republic	6686.8 (4208.6 to 9630.6)	291.95 (181.74 to 421.03)	15842.9 (10283.9 to 23976.7)	398.03 (253.99 to 613.17)	-0.82 (-1.81 to 0.18)
Chad	2862.7 (1645.2 to 4985.7)	64.18 (37.19 to 112.79)	15904.5 (10268.8 to 23376.4)	162.2 (106.31 to 238.41)	1.89 (0.95 to 2.84)
Chile	888.8 (572.6 to 1294)	6.38 (4.16 to 9.26)	5034.6 (2516.2 to 9868.3)	24.52 (12.16 to 48.59)	4.67 (4.49 to 4.85)
China	8094.4 (5026.8 to 11158.5)	0.67 (0.42 to 0.93)	58983.3 (25445.3 to 124219.9)	3.32 (1.46 to 7.01)	5.93 (5.44 to 6.43)
Colombia	944.3 (535.9 to 1511.8)	3.1 (1.79 to 5.05)	8424.3 (5242.1 to 13089.4)	16.39 (10.15 to 25.64)	4.76 (3.73 to 5.79)
Comoros	5.5 (3.6 to 7.7)	2.04 (1.34 to 2.84)	32.3 (19.1 to 62.3)	4.86 (2.87 to 9.36)	2.29 (1.72 to 2.87)
Congo (Brazzaville)	4200.3 (2529.3 to 6588.2)	213.42 (127.82 to 339.41)	12101.3 (6488 to 20471.9)	258.92 (137.3 to 434.95)	-0.78 (-1.47 to -0.08)
Cook Islands	0.1 (0 to 0.4)	0.7 (0.24 to 2.25)	3.5 (0.3 to 15.7)	18.71 (1.56 to 82.01)	11.91 (11.67 to 12.16)
Costa Rica	140.4 (63.6 to 293.4)	5.26 (2.31 to 10.85)	531.2 (328.4 to 792)	10.16 (6.26 to 15.19)	1.65 (1.33 to 1.98)
Croatia	18.3 (11.1 to 28.7)	0.34 (0.2 to 0.52)	68.7 (42.9 to 100.1)	1.26 (0.79 to 1.89)	3.83 (3.29 to 4.38)
Cuba	109.6 (63.2 to 193.3)	0.93 (0.53 to 1.7)	1659.6 (862.7 to 3068.1)	11.97 (6.05 to 22.08)	9.93 (9.4 to 10.46)
Cyprus	2.6 (1.5 to 4.6)	0.32 (0.19 to 0.57)	22 (10.7 to 40)	1.37 (0.66 to 2.47)	4.63 (4 to 5.26)
Czech Republic	21.6 (14.7 to 29.8)	0.19 (0.13 to 0.27)	131.2 (79.7 to 199.8)	1.02 (0.62 to 1.61)	6.56 (6.21 to 6.9)
Denmark	231.5 (128.9 to 361.5)	3.99 (2.22 to 6.25)	537.9 (284.9 to 890.4)	7.37 (3.88 to 12.42)	1.41 (1.07 to 1.75)
Djibouti	11.7 (6.6 to 21.6)	2.91 (1.65 to 5.35)	2174.1 (928.9 to 4778.1)	190.84 (79.91 to 426.45)	10.04 (6.17 to 14.05)
Dominica	7.2 (4.6 to 11)	11.13 (7.15 to 16.84)	19 (12.9 to 26.3)	25.94 (17.29 to 36.32)	2.02 (1.54 to 2.51)
Dominican Republic	1225.9 (708.5 to 2002.9)	18.65 (10.59 to 30.51)	4630.4 (2814.3 to 7132.9)	42.62 (25.98 to 65.34)	0.39 (-0.98 to 1.78)

DR Congo	42050.4 (27243.5 to 62886)	144.36 (90.92 to 219.52)	40986.8 (27926.8 to 59077.3)	63.99 (43.45 to 92.83)	-3.26 (-4.09 to -2.43)
Ecuador	519.6 (340.5 to 743.8)	5.75 (3.77 to 8.15)	3996.9 (2321 to 6932.3)	22.5 (13.19 to 38.63)	5.84 (5.43 to 6.25)
Egypt	117.2 (79 to 160.5)	0.25 (0.17 to 0.34)	257.1 (170 to 361.1)	0.27 (0.18 to 0.38)	-0.04 (-0.51 to 0.43)
El Salvador	206.5 (101.3 to 405.3)	4.88 (2.31 to 9.99)	1897 (1193.7 to 2768.5)	31.22 (19.61 to 45.39)	6.05 (4.62 to 7.49)
Equatorial Guinea	112.2 (66.6 to 189.2)	34.49 (20.48 to 57.35)	6883.3 (3682.4 to 11813.9)	652.6 (350.94 to 1152.71)	9.61 (8.16 to 11.08)
Eritrea	1694.5 (723.4 to 3699.9)	71.6 (30.26 to 161.2)	3845.8 (2401.5 to 6123.4)	75.41 (46.5 to 123.7)	-1.94 (-3.25 to -0.62)
Estonia	4.7 (2.8 to 6.8)	0.29 (0.18 to 0.43)	164.9 (110 to 233)	12.67 (8.36 to 18)	16.06 (14.03 to 18.11)
eSwatini	554 (363.8 to 807)	83.66 (55.29 to 121.36)	18218 (12710.2 to 24580.9)	1873.42 (1315.59 to 2531.41)	8.2 (5.52 to 10.94)
Ethiopia	41441.1 (24875.6 to 65100.6)	106.02 (63.32 to 171.68)	79276.3 (53704.1 to 112946.6)	108.5 (72.4 to 155.99)	-2.24 (-3.76 to -0.69)
Federated States of Micronesia	3.8 (1 to 19.2)	5.61 (1.44 to 28.92)	121 (6.4 to 894.2)	130.49 (6.76 to 976.37)	12.31 (11.28 to 13.36)
Fiji	8.2 (5.2 to 12.1)	1.15 (0.73 to 1.69)	43.6 (29 to 60.9)	4.69 (3.12 to 6.55)	4.53 (3.98 to 5.07)
Finland	31.7 (21.1 to 43.6)	0.55 (0.36 to 0.76)	96.9 (53.6 to 153.2)	1.42 (0.78 to 2.29)	2.97 (2.75 to 3.19)
France	6441.1 (4005.5 to 9527)	10.55 (6.61 to 15.58)	7731 (4363.1 to 12210.2)	9.23 (5.1 to 14.9)	-1.37 (-1.84 to -0.91)
Gabon	580.2 (278 to 1318.5)	69.78 (33.37 to 159.38)	4778.7 (2972.5 to 7206.2)	302.11 (188.57 to 451.89)	3.59 (2.13 to 5.07)
Georgia	13.9 (8.7 to 20.3)	0.24 (0.15 to 0.36)	175.7 (103.9 to 288.8)	4 (2.29 to 6.95)	13.26 (11.76 to 14.78)
Germany	4001.8 (2296 to 6258.1)	4.35 (2.54 to 6.87)	6081.4 (3497.5 to 10034.9)	5.35 (2.93 to 9.15)	0.24 (-0.14 to 0.61)
Ghana	8543.3 (5640.3 to 12007.5)	69.64 (46.11 to 98.11)	41556.2 (27280.8 to 62172.2)	153.88 (99.99 to 233.78)	1.76 (0.61 to 2.92)
Greece	81.3 (52.9 to 117.1)	0.74 (0.48 to 1.08)	226.2 (137.9 to 366.1)	1.88 (1.15 to 2.96)	3.45 (3.13 to 3.76)
Greenland	8.6 (4.3 to 15.5)	14.33 (7.13 to 25.73)	13.8 (6.5 to 25.4)	20.89 (9.7 to 38.02)	0.72 (0.51 to 0.93)
Grenada	6.5 (3.9 to 10.6)	9.21 (5.53 to 15.38)	21.2 (13.5 to 30.9)	19 (11.95 to 28.04)	1.5 (0.96 to 2.04)
Guam	3.5 (1.8 to 6.1)	2.59 (1.31 to 4.48)	15 (4.8 to 36.7)	8.78 (2.8 to 21.6)	3.49 (3.18 to 3.81)
Guatemala	635.6 (426.1 to 874.3)	11.18 (7.55 to 15.27)	2852.5 (1533.5 to 5739.9)	17.97 (9.93 to 35.25)	2.26 (1.74 to 2.77)
Guinea	1286.4 (832.4 to 1908.4)	26.57 (17.39 to 39.39)	14950.2 (9122.8 to 23178.5)	167.79 (102.91 to 259.54)	5.61 (4.51 to 6.73)
Guinea-Bissau	371.7 (248.1 to 523.5)	47.9 (31.8 to 67.34)	3788 (1992.4 to 6583.7)	268.44 (143.38 to 476.35)	5.15 (3.74 to 6.58)
Guyana	140.1 (79 to 252.6)	20.84 (11.56 to 39.48)	700 (469.7 to 977.9)	92.01 (61.52 to 128.54)	4.8 (3.74 to 5.87)
Haiti	5505 (2340.3 to 11221.9)	105.41 (43.33 to 216.83)	13606.8 (8371.5 to 21024.9)	123.62 (76.23 to 192.07)	-1.36 (-2.59 to -0.11)
Honduras	261.8 (177.6 to 366.8)	7.29 (5 to 10.05)	845.7 (568.9 to 1167.9)	9.98 (6.66 to 13.9)	0.44 (0.14 to 0.74)
Hungary	433 (198.6 to 785.7)	3.6 (1.65 to 6.62)	170 (105.6 to 236)	1.27 (0.8 to 1.79)	-4.03 (-4.34 to -3.71)

Iceland	2.5 (1.4 to 3.9)	0.94 (0.54 to 1.46)	7.4 (4.6 to 11.2)	1.85 (1.13 to 2.83)	1.24 (0.69 to 1.8)
India	6775.8 (4170.2 to 10570.4)	0.93 (0.57 to 1.43)	146781.1 (101384.7 to 203103.6)	10.32 (7.16 to 14.27)	5.42 (2.61 to 8.3)
Indonesia	97.1 (0 to 195.9)	0.06 (0 to 0.13)	73467.9 (49591.6 to 100083.7)	26.18 (17.75 to 35.9)	6.85 (2.51 to 11.38)
Iran	137 (74.9 to 208.7)	0.31 (0.17 to 0.48)	1326.8 (718.6 to 2034.2)	1.38 (0.77 to 2.1)	5.2 (4.76 to 5.64)
Iraq	7.7 (3.3 to 16.1)	0.06 (0.02 to 0.12)	183.1 (62.7 to 504.7)	0.44 (0.15 to 1.25)	7.12 (6.37 to 7.88)
Ireland	43.4 (28.5 to 61.3)	1.25 (0.82 to 1.76)	164.3 (87.4 to 272.1)	3.05 (1.59 to 5.09)	1.48 (0.87 to 2.08)
Israel	82.7 (41.4 to 151.3)	1.76 (0.87 to 3.24)	850.3 (423.2 to 1384.3)	8.8 (4.42 to 14.42)	5.06 (4.65 to 5.48)
Italy	3749.1 (2120.7 to 5892.9)	6.29 (3.58 to 9.88)	7016.3 (3895.4 to 11651.9)	8.78 (4.76 to 14.52)	-0.03 (-0.42 to 0.36)
Ivory Coast	24944.4 (8214.5 to 65280.9)	258.02 (82.75 to 701.71)	42843.8 (28963.5 to 59768.4)	212.74 (141.84 to 302.33)	-2.4 (-3.85 to -0.93)
Jamaica	233.1 (122.5 to 436.1)	11.61 (6 to 21.93)	1094.7 (677.9 to 1638.9)	36.27 (22.43 to 54.23)	2.05 (1.05 to 3.06)
Japan	425.8 (211.7 to 839)	0.29 (0.14 to 0.56)	3515.8 (1618.9 to 5962)	1.88 (0.91 to 3.14)	6.04 (5.62 to 6.47)
Jordan	2.7 (1.5 to 5)	0.1 (0.05 to 0.18)	53.6 (30.8 to 90.1)	0.5 (0.3 to 0.82)	5.81 (4.97 to 6.67)
Kazakhstan	103.5 (52.5 to 175.2)	0.59 (0.3 to 1)	704.8 (431 to 1102.8)	3.46 (2.1 to 5.4)	4.61 (4.12 to 5.11)
Kenya	53907.7 (38358.5 to 71529.1)	319.55 (225.04 to 423.33)	163713.7 (110558.7 to 238430.8)	422.25 (277.01 to 622.36)	-1.4 (-2.83 to 0.04)
Kiribati	2.1 (1.4 to 2.9)	3.17 (2.13 to 4.29)	4.4 (2.6 to 6.8)	3.84 (2.35 to 5.87)	0.64 (0.4 to 0.88)
Kuwait	4.2 (2.3 to 7.5)	0.23 (0.12 to 0.42)	16.2 (10.4 to 24.4)	0.3 (0.19 to 0.45)	0.86 (0.68 to 1.05)
Kyrgyzstan	20.2 (11.6 to 30.7)	0.49 (0.28 to 0.75)	258.1 (141.4 to 453)	4 (2.22 to 6.91)	7.28 (6.94 to 7.62)
Laos	0.3 (0 to 2.2)	0.01 (0 to 0.06)	1808.6 (830.9 to 5587.4)	26.82 (12.24 to 92.75)	14.71 (9.26 to 20.44)
Latvia	15.2 (8.9 to 24.4)	0.55 (0.32 to 0.89)	214.6 (127.4 to 336.5)	10.52 (6.21 to 16.89)	10.48 (9.81 to 11.15)
Lebanon	45.7 (11.8 to 137.4)	1.66 (0.43 to 5.03)	82.2 (10.9 to 335.8)	1.53 (0.21 to 6.15)	-1.06 (-1.32 to -0.81)
Lesotho	4132 (2834.4 to 5621.1)	274.16 (188.75 to 373.98)	39512.7 (28326.1 to 53080)	2056.34 (1469.3 to 2780.01)	5.99 (4.46 to 7.55)
Liberia	336 (122.4 to 837.2)	22.19 (8.06 to 55.33)	4378.8 (2329.4 to 7651.1)	111.05 (57.58 to 196.42)	4.07 (2.2 to 5.97)
Libya	25.3 (15.1 to 39.7)	0.77 (0.46 to 1.2)	157.2 (40.8 to 688)	2.02 (0.53 to 8.36)	3.18 (2.98 to 3.37)
Lithuania	16.7 (0 to 29.5)	0.43 (0 to 0.75)	67.6 (37.6 to 110.4)	2.1 (1.16 to 3.49)	7.51 (6.74 to 8.29)
Luxembourg	8.6 (4.7 to 14.9)	1.92 (1.06 to 3.3)	36.2 (18.9 to 62.4)	4.61 (2.43 to 7.94)	1.62 (1.1 to 2.14)
Madagascar	11.1 (6 to 18.2)	0.12 (0.06 to 0.19)	5923.5 (2466.6 to 12005.1)	28.14 (11.5 to 58.71)	17.64 (13.79 to 21.62)
Malawi	48931.2 (32150.9 to 68618.4)	642.84 (421.9 to 909.48)	95728 (67434 to 129084.5)	753.11 (530.48 to 1011.57)	-0.65 (-1.6 to 0.31)
Malaysia	118.4 (77.1 to 167.8)	0.68 (0.45 to 0.96)	3227.6 (2105.2 to 4742.2)	9.34 (6.1 to 13.54)	8.2 (7.08 to 9.34)

Maldives	0.8 (0.5 to 1.1)	0.47 (0.32 to 0.64)	2.6 (1.6 to 4.2)	0.5 (0.31 to 0.78)	-0.04 (-0.4 to 0.32)
Mali	2108.2 (1063.7 to 4249.1)	31.8 (16.03 to 64.14)	14059.9 (8174.9 to 22883.8)	100.01 (58.02 to 166.31)	2.75 (1.43 to 4.08)
Malta	5.6 (3.1 to 9.2)	1.39 (0.78 to 2.28)	29.9 (15 to 52.8)	5.76 (2.9 to 10.28)	5.04 (4.74 to 5.35)
Marshall Islands	0.9 (0.1 to 6)	3.19 (0.47 to 19.47)	8.5 (0.6 to 62.5)	15.57 (1.13 to 119.18)	4.35 (3.93 to 4.78)
Mauritania	492 (306.9 to 899.8)	37.44 (23.2 to 66.31)	261 (139.2 to 633.3)	8.81 (4.69 to 21.19)	-5.63 (-5.91 to -5.35)
Mauritius	9.6 (6.6 to 13.2)	0.85 (0.58 to 1.16)	231.8 (146 to 358.2)	15.86 (9.89 to 25)	14.22 (12.89 to 15.57)
Mexico	3302.1 (2045.8 to 4975.8)	4.45 (2.76 to 6.71)	18659.1 (11262.8 to 29363.6)	14.21 (8.59 to 22.34)	2.19 (1.42 to 2.97)
Moldova	13.1 (7.1 to 22.9)	0.29 (0.15 to 0.51)	604.2 (355.7 to 953.6)	13.53 (7.88 to 21.44)	13.46 (11.69 to 15.26)
Monaco	1.3 (0.6 to 3.3)	3.72 (1.64 to 8.93)	3.1 (0.8 to 9)	6.41 (1.52 to 18.61)	1.62 (1.52 to 1.73)
Mongolia	0 (0 to 0)	0 (0 to 0)	20.4 (5.5 to 54)	0.63 (0.17 to 1.65)	9.42 (6.03 to 12.92)
Montenegro	1.4 (0.7 to 2.5)	0.21 (0.11 to 0.38)	5.7 (3.6 to 8.4)	0.81 (0.5 to 1.22)	3.69 (2.76 to 4.62)
Morocco	264.9 (150.5 to 464.9)	1.19 (0.68 to 2.05)	1065.6 (248.8 to 4102)	2.8 (0.65 to 10.62)	3.12 (2.23 to 4.02)
Mozambique	11661.5 (7661.2 to 17254.3)	111.45 (73.57 to 164.05)	235047.2 (164321.5 to 319396)	1122.67 (783.33 to 1526.61)	7.27 (6.06 to 8.48)
Myanmar	966.8 (640.2 to 1338)	2.43 (1.62 to 3.31)	18631.1 (12594.2 to 25182.8)	32.79 (22.2 to 44.38)	5.34 (2.92 to 7.82)
Namibia	1835.3 (1263.4 to 2487.3)	157.63 (109.01 to 214.75)	17966.6 (12685.6 to 24420)	888.69 (622.46 to 1207.97)	4.22 (2.42 to 6.05)
Nauru	0.1 (0 to 0.2)	0.92 (0.45 to 2.22)	1.8 (0.2 to 7.8)	18.6 (2.52 to 81.88)	10.86 (10.64 to 11.08)
Nepal	0.5 (0 to 3.5)	0 (0 to 0.02)	2763.6 (378.4 to 12535.8)	9.9 (1.34 to 47.41)	20.56 (14.48 to 26.96)
Netherlands	924.3 (534.1 to 1461.1)	5.44 (3.14 to 8.58)	1726.8 (923.8 to 2667.5)	7.7 (4.11 to 12.12)	0.94 (0.59 to 1.29)
New Zealand	73 (45.6 to 105.6)	2.01 (1.25 to 2.92)	193.8 (101.9 to 315)	4.01 (2.06 to 6.63)	1.74 (1.37 to 2.11)
Nicaragua	35.3 (21.2 to 59.2)	1.15 (0.68 to 2.06)	1439.6 (849.1 to 2187)	22.37 (13.37 to 32.86)	11.59 (11 to 12.18)
Niger	1352.6 (812 to 2234.1)	23.2 (13.88 to 38.08)	5161.6 (3041 to 8506.9)	39.88 (23.15 to 66.42)	0.29 (-0.96 to 1.57)
Nigeria	24474 (16331.5 to 34894.1)	33.33 (22.29 to 47.91)	205660 (141632.4 to 287884.6)	136.28 (92.21 to 193.44)	2.96 (1.58 to 4.35)
Niue	0 (0 to 0)	0.85 (0.41 to 2.22)	0.3 (0 to 1.4)	17.82 (1.98 to 78.2)	11.06 (10.84 to 11.29)
North Korea	125.1 (55 to 400.7)	0.64 (0.28 to 2)	1524.3 (410 to 7245.4)	5.02 (1.38 to 24.47)	6.4 (5.46 to 7.35)
North Macedonia	2.2 (1.5 to 3)	0.1 (0.07 to 0.14)	9 (5.9 to 13.3)	0.36 (0.23 to 0.54)	4.64 (4.32 to 4.96)
Northern Mariana Islands	0.4 (0.2 to 0.6)	0.7 (0.4 to 1.15)	1.7 (0.5 to 4)	3.71 (1.19 to 9.07)	5.91 (5.36 to 6.46)
Norway	51.6 (31.9 to 76.4)	1.14 (0.7 to 1.68)	268.4 (144.5 to 448.3)	4.65 (2.47 to 7.79)	3.65 (3.17 to 4.13)
Oman	8.6 (5.3 to 13.3)	0.54 (0.33 to 0.9)	244.8 (129.6 to 383.3)	4.95 (2.64 to 7.61)	8.41 (7.17 to 9.66)

Pakistan	473.8 (217 to 1507.2)	0.6 (0.28 to 1.98)	4259.9 (766.4 to 19862.5)	2.29 (0.4 to 11.02)	4.57 (3.55 to 5.6)
Palau	0.1 (0 to 0.3)	0.75 (0.31 to 2.18)	3.8 (0.4 to 17)	16.94 (1.82 to 75.97)	11.41 (11.23 to 11.59)
Palestine	1.2 (0.7 to 1.8)	0.07 (0.05 to 0.11)	16.3 (6.3 to 38.4)	0.35 (0.13 to 0.81)	5.46 (4.81 to 6.1)
Panama	266.5 (151.4 to 457.4)	12.01 (6.81 to 21.31)	1931.5 (1124.7 to 3284.9)	45.79 (26.71 to 78.05)	2.96 (2.18 to 3.75)
Papua New Guinea	18.8 (10.2 to 33.2)	0.53 (0.29 to 0.94)	10658.1 (759 to 39347)	124.72 (8.86 to 466.54)	16.97 (12.56 to 21.56)
Paraguay	89 (54.8 to 132)	2.48 (1.55 to 3.63)	1252.8 (780.3 to 1849.3)	17.96 (11.3 to 26.22)	8.56 (7.81 to 9.31)
Peru	1409.6 (910 to 2103.8)	7.02 (4.54 to 10.54)	7397.5 (4351.1 to 12501)	20.95 (12.34 to 35.13)	3.71 (3.29 to 4.12)
Philippines	0 (0 to 0)	0 (0 to 0)	32377 (12448.1 to 70514.9)	29.07 (11.14 to 63.52)	12.02 (10.62 to 13.43)
Poland	69.9 (38.8 to 120.3)	0.18 (0.1 to 0.31)	912.2 (482 to 1717.9)	1.99 (1.04 to 3.79)	6.6 (5.23 to 7.99)
Portugal	637.5 (365 to 970.8)	6.18 (3.53 to 9.39)	2695.8 (1714.2 to 4224)	21.7 (13.53 to 34.6)	2.58 (1.48 to 3.69)
Puerto Rico	1172.5 (614.8 to 1996.2)	32.47 (17.02 to 55.3)	663.6 (394.8 to 913.7)	16.37 (9.92 to 23.52)	-4.37 (-5.03 to -3.71)
Qatar	2.4 (1.1 to 4.5)	0.45 (0.21 to 0.84)	8.4 (5.1 to 12.9)	0.26 (0.17 to 0.39)	-3.19 (-3.76 to -2.62)
Romania	104.2 (64.8 to 151.4)	0.44 (0.28 to 0.64)	795 (536.4 to 1120.1)	4.37 (2.94 to 6.32)	8.09 (7.24 to 8.96)
Russia	2897.7 (1320.4 to 6031.9)	1.78 (0.82 to 3.65)	50013.7 (28951.3 to 77435.5)	31.18 (18.16 to 48.54)	10.93 (10.68 to 11.19)
Rwanda	8435.6 (4436.4 to 16231.3)	150.49 (78.69 to 291.87)	18769.1 (13003.3 to 25548.4)	196.35 (137.03 to 267.62)	-1.06 (-2.25 to 0.14)
Saint Kitts and Nevis	3.4 (1.7 to 7.8)	9 (4.42 to 23.13)	57.2 (12.9 to 156.1)	80.29 (18.33 to 220.56)	6.62 (5.83 to 7.42)
Saint Lucia	9.1 (5.9 to 13.4)	8.1 (5.28 to 12.14)	28.5 (18.2 to 42.9)	14.13 (8.89 to 21.82)	1.19 (0.64 to 1.75)
Saint Vincent and the Grenadines	16.4 (9.3 to 29)	18.36 (10.25 to 33.43)	45.5 (26.9 to 74.3)	37.31 (21.9 to 61.71)	0.87 (-0.02 to 1.77)
Samoa	4 (1 to 22.6)	3.34 (0.8 to 18.78)	30.5 (3.5 to 211.2)	16.72 (1.89 to 116.83)	4.58 (4.18 to 4.98)
San Marino	1 (0.4 to 2.5)	3.88 (1.47 to 9.9)	2.4 (0.6 to 7.1)	6.05 (1.33 to 17.42)	1.08 (0.94 to 1.23)
Sao Tome and Principe	11.6 (7.7 to 15.7)	14.32 (9.61 to 19.32)	8.4 (5.4 to 12.2)	5.13 (3.32 to 7.41)	-5.13 (-6.08 to -4.18)
Saudi Arabia	126.2 (80.2 to 184.4)	0.93 (0.59 to 1.37)	1095.5 (370.5 to 3164.9)	2.46 (0.83 to 7.19)	3.59 (3.15 to 4.03)
Senegal	1084.3 (679.7 to 1655.4)	18.83 (11.87 to 28.88)	5675.4 (3515.1 to 8511.5)	50.02 (31.14 to 75.1)	2.2 (0.82 to 3.59)
Serbia	28.5 (0 to 53.2)	0.31 (0 to 0.57)	185 (110.7 to 335.4)	1.83 (1.08 to 3.36)	7.99 (6.61 to 9.39)
Seychelles	1.1 (0.7 to 1.6)	1.62 (1.03 to 2.34)	8.8 (4.8 to 15.7)	7.55 (4.14 to 13.52)	3.64 (2.56 to 4.73)
Sierra Leone	469.9 (225.1 to 968.3)	15.41 (7.41 to 31.83)	8900.2 (5257.7 to 14611.9)	136.17 (79.82 to 225.36)	6.66 (5.21 to 8.13)
Singapore	49 (24.9 to 85.5)	1.41 (0.72 to 2.45)	419.5 (206 to 835)	5.23 (2.52 to 10.36)	2.42 (1.2 to 3.66)
Slovakia	3 (0 to 4.8)	0.05 (0 to 0.09)	25.9 (15.4 to 40.3)	0.39 (0.23 to 0.62)	5.79 (4.97 to 6.62)

Slovenia	4.2 (0 to 6.8)	0.19 (0 to 0.31)	19.6 (9.7 to 35.5)	0.75 (0.37 to 1.42)	3.51 (2.88 to 4.14)
Solomon Islands	7.9 (1.8 to 47.6)	3.62 (0.79 to 20.91)	87.2 (9.5 to 628.6)	16.01 (1.71 to 117.48)	4.07 (3.7 to 4.44)
Somalia	235.5 (120.3 to 520.3)	4.29 (2.22 to 9.32)	6190.5 (2835.1 to 13352.6)	46.09 (19.57 to 103.38)	5.03 (2.23 to 7.92)
South Africa	22436.7 (15799.2 to 29894.8)	62.44 (44.27 to 82.95)	700064.1 (491719.9 to 933276.3)	1189.88 (836.14 to 1583.55)	8.61 (6.21 to 11.07)
South Korea	363.9 (0 to 626.8)	0.76 (0 to 1.3)	3587.9 (1460.1 to 7149.4)	4.6 (1.94 to 8.78)	8.08 (7.18 to 8.99)
South Sudan	1088.5 (446.6 to 3113.7)	23.4 (9.48 to 69.06)	14526.9 (4685.5 to 36506.7)	216.64 (68.46 to 545.81)	6.43 (4.95 to 7.93)
Spain	4364.1 (2786.3 to 6240.5)	10.93 (6.97 to 15.62)	7047 (4567.5 to 10066.6)	11.46 (7.49 to 16.38)	-1.49 (-2.12 to -0.85)
Sri Lanka	70.9 (44.4 to 110.4)	0.42 (0.26 to 0.67)	206.5 (134.9 to 292.8)	0.88 (0.57 to 1.24)	1.61 (1.18 to 2.03)
Sudan	500.6 (146.9 to 1623.7)	3.16 (0.91 to 10.58)	10680.1 (2646.9 to 29098.9)	31.85 (7.92 to 86.99)	6.7 (5.38 to 8.03)
Suriname	53.8 (31.9 to 91.7)	15.66 (9.3 to 26.91)	278 (172.4 to 433.9)	45.87 (28.22 to 72.03)	2.71 (1.67 to 3.75)
Sweden	126.2 (70.5 to 214)	1.37 (0.76 to 2.3)	349.7 (173 to 602.5)	3.02 (1.49 to 5.18)	1.64 (1.28 to 2)
Switzerland	677.3 (377.2 to 1064.1)	8.62 (4.78 to 13.54)	1610.2 (890.3 to 2563.3)	13.2 (7.26 to 21.05)	0.42 (0.02 to 0.81)
Syria	11.9 (7.8 to 17.5)	0.12 (0.08 to 0.18)	40.3 (20.9 to 80.5)	0.29 (0.15 to 0.57)	2.81 (2.6 to 3.02)
Taiwan (province of China)	58.8 (36.1 to 84.5)	0.26 (0.16 to 0.37)	391.6 (193.2 to 688.7)	1.41 (0.68 to 2.52)	5.33 (4.64 to 6.03)
Tajikistan	21.5 (12.1 to 34.7)	0.5 (0.29 to 0.79)	212.5 (131.6 to 307.4)	2.4 (1.47 to 3.45)	4.49 (3.5 to 5.48)
Tanzania	87654.6 (61795.4 to 117760.2)	441.93 (309.97 to 596.52)	138609.9 (96372.1 to 187732.4)	339.55 (237.6 to 460.07)	-1.99 (-2.87 to -1.11)
Thailand	9601.8 (6198.7 to 13722)	15.77 (10.25 to 22.55)	48123.1 (31964.7 to 68695.5)	56.63 (37.52 to 82.21)	1.61 (0.33 to 2.89)
The Bahamas	140 (63.9 to 268.1)	55.47 (25.24 to 106.87)	302.7 (184.1 to 482.3)	69.53 (42.29 to 111.57)	-0.92 (-1.66 to -0.18)
The Gambia	157.3 (99.4 to 248.7)	20.2 (12.79 to 31.79)	3418.1 (1901.5 to 5497.6)	206.02 (113.76 to 340.71)	6.92 (5.29 to 8.58)
Timor-Leste	52.7 (3.2 to 365.5)	8.5 (0.49 to 59.06)	410.9 (19 to 2861.2)	37.98 (1.71 to 280.7)	1.68 (0.13 to 3.25)
Togo	1187.5 (550.1 to 2491.6)	42.7 (19.77 to 94.28)	10989.5 (6996.8 to 17270.7)	172.74 (109.04 to 271.23)	2.79 (0.46 to 5.16)
Tokelau	0 (0 to 0)	1 (0.52 to 2.4)	0.2 (0 to 1.1)	18.61 (2.25 to 82.76)	10.66 (10.52 to 10.8)
Tonga	0.8 (0.5 to 1.4)	1.08 (0.63 to 1.74)	4.8 (1.5 to 12.7)	5.47 (1.65 to 14.67)	5.61 (5.35 to 5.87)
Trinidad and Tobago	191.9 (90.4 to 390.3)	16.64 (7.72 to 34.07)	664.5 (442.6 to 972.1)	41.35 (27.36 to 61.82)	1.56 (0.57 to 2.56)
Tunisia	18.5 (9.2 to 60.5)	0.26 (0.13 to 0.89)	302.3 (50 to 1420.2)	2.35 (0.4 to 10.84)	8.6 (8.08 to 9.11)
Turkey	57.5 (0 to 93.2)	0.11 (0 to 0.18)	645.6 (353.1 to 1174.4)	0.69 (0.38 to 1.25)	6.67 (6.35 to 6.99)
Turkmenistan	70.8 (38.4 to 114.8)	1.92 (1.06 to 3.16)	199 (105.9 to 348.4)	3.72 (1.97 to 6.59)	1.49 (0.77 to 2.21)
Tuvalu	0.1 (0.1 to 0.2)	1.08 (0.59 to 2.4)	2.1 (0.3 to 9.4)	18.5 (2.74 to 82.76)	10.37 (10.28 to 10.46)

Uganda	125546.4 (80975.2 to 182277.9)	1119.18 (684.78 to 1671.81)	125599.2 (87305.1 to 168520.3)	472.96 (330.97 to 631.93)	-3.43 (-3.67 to -3.19)
UK	1618.2 (876.6 to 2808.4)	2.68 (1.45 to 4.63)	9189.3 (4699.5 to 15146.7)	11.62 (5.94 to 19.32)	5.07 (4.69 to 5.45)
Ukraine	1421 (643.1 to 2837.5)	2.61 (1.18 to 5.18)	13660.2 (7660.1 to 22150.3)	26.57 (14.51 to 44.26)	7.81 (6.69 to 8.94)
United Arab Emirates	4.5 (2.1 to 10.9)	0.22 (0.1 to 0.55)	177.1 (21.4 to 855.5)	3.49 (0.31 to 19.31)	11.32 (10.67 to 11.97)
Uruguay	151.2 (78.6 to 271.4)	4.48 (2.31 to 7.91)	784.2 (446.5 to 1282.1)	21.14 (11.77 to 34.8)	4.92 (4.34 to 5.51)
USA	72360.1 (37619.9 to 120947.5)	25.61 (13.32 to 42.83)	117582.6 (56627.8 to 200624.8)	28.67 (13.69 to 48.87)	-0.23 (-0.58 to 0.13)
Uzbekistan	69 (36 to 110.6)	0.38 (0.19 to 0.6)	730.6 (356.8 to 1253.1)	2.03 (1.01 to 3.43)	4.52 (4.03 to 5)
Vanuatu	3.6 (1 to 19.3)	3.31 (0.9 to 17.54)	37.6 (5.4 to 249.6)	15.23 (2.1 to 104.29)	4.79 (4.47 to 5.12)
Venezuela	761.8 (480.7 to 1114)	4.69 (2.97 to 6.74)	7460.1 (4689.5 to 11039.1)	24.73 (15.4 to 36.74)	5.06 (4.18 to 5.96)
Vietnam	1944.2 (1200.2 to 2850.2)	2.77 (1.72 to 4.09)	13974.1 (8788.7 to 22531)	12.62 (7.94 to 20.39)	5.65 (4.93 to 6.38)
Virgin Islands	11.9 (5.7 to 22.3)	11.01 (5.3 to 20.72)	20.7 (13.8 to 28.2)	17.94 (11.82 to 25.36)	0.29 (-0.26 to 0.85)
Yemen	192.9 (98.4 to 423.3)	2.19 (1.11 to 4.86)	885.4 (185.6 to 3734.2)	3.46 (0.72 to 15.51)	1.16 (1.04 to 1.27)
Zambia	40295.2 (26529.4 to 54810.7)	650.9 (428.19 to 884.8)	114518.7 (80235.9 to 152976.8)	876.39 (612.06 to 1170.18)	-0.23 (-1.12 to 0.67)
Zimbabwe	40852.7 (19985.8 to 74353.9)	500.28 (246.21 to 908.15)	107920.9 (76097.1 to 147121.2)	930.3 (659.65 to 1270.23)	0.24 (-1.38 to 1.88)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

Table S8. The disability-adjusted life years (DALYs) of HIV/AIDS acquired through sexual transmission in 1990 and 2019, and its temporal trends from 1990 to 2019 by

Global Burden of Disease countries and territories (generated from data available at <https://ghdx.healthdata.org/gbd-results-tool>)

	1990		2019		1990-2019
	DALYs No. (95% UI)	ASR per 100,000 No. (95% UI)	DALYs No. (95% UI)	ASR per 100,000 No. (95% UI)	EAPC No. (95% CI)
Afghanistan	607.4 (26.9 to 2274.4)	7.82 (0.33 to 30.3)	6643.8 (173.3 to 33078.2)	21.88 (0.51 to 108.37)	2.89 (2.54 to 3.25)
Albania	47.5 (38 to 55)	1.6 (1.29 to 1.84)	68.6 (59.8 to 81.3)	2.35 (2.04 to 2.8)	1.12 (0.77 to 1.47)
Algeria	895.4 (188.4 to 4850.4)	4.77 (0.95 to 26.08)	6867.8 (622.6 to 51125.2)	15.43 (1.39 to 115.17)	4.97 (4.01 to 5.94)
American Samoa	3.3 (0.8 to 7.3)	7.93 (2.05 to 17.44)	19.1 (4.3 to 46.3)	37.19 (8.25 to 91.31)	4.09 (3.11 to 5.08)
Andorra	60.1 (8 to 256.6)	90.42 (12.11 to 377.9)	117.3 (7.6 to 515.2)	105.18 (6.85 to 439.27)	-0.25 (-0.65 to 0.16)
Angola	9707 (5180.1 to 20374.4)	118.55 (62.44 to 245.84)	774314.4 (523579.1 to 1137170.1)	3512.69 (2445.73 to 5037.78)	10.2 (7.94 to 12.51)
Antigua and Barbuda	248.3 (224.7 to 267.9)	451.41 (410.86 to 485.28)	277.7 (251.5 to 298.7)	266.42 (239.91 to 287.45)	-2 (-2.69 to -1.31)
Argentina	25778.9 (23743.8 to 27820.2)	81 (74.61 to 87.44)	90289.7 (79998.3 to 106686.1)	187.49 (166.11 to 221.6)	0.85 (-0.24 to 1.95)
Armenia	37 (26.9 to 44.4)	1.09 (0.78 to 1.32)	603.3 (559.8 to 655)	17.45 (16.19 to 18.95)	14.86 (12.48 to 17.29)
Australia	17966.2 (17208.8 to 18749.7)	97.06 (92.99 to 101.31)	4007.8 (3393.5 to 4858.5)	13.84 (11.78 to 16.83)	-8.35 (-9.42 to -7.26)
Austria	2722.3 (2325.6 to 3051.4)	32.02 (27.17 to 35.94)	2369.9 (1801 to 3146.7)	22.39 (17.36 to 29.03)	-3.14 (-4.17 to -2.11)
Azerbaijan	251.2 (67.7 to 436.3)	3.38 (0.94 to 6.03)	711 (588.7 to 817.3)	5.8 (4.81 to 6.67)	-0.14 (-1.22 to 0.94)
Bahrain	51.5 (39.5 to 63)	9.75 (7.73 to 11.68)	116.5 (85.2 to 162.7)	5.95 (4.37 to 8.06)	-2.1 (-2.98 to -1.22)
Bangladesh	0 (0 to 0)	0 (0 to 0)	12678.3 (1178.8 to 70472.8)	7.73 (0.72 to 43.09)	21.95 (18.68 to 25.3)
Barbados	1387.3 (1249 to 1505)	542.08 (491.65 to 586.04)	930.7 (848.5 to 1004.1)	275.43 (249.58 to 298.81)	-3.64 (-4.46 to -2.81)
Belarus	2980.4 (2475.6 to 3404.7)	26.98 (22.21 to 30.96)	10395.1 (9657 to 11239.9)	97.41 (90.52 to 105.56)	5.67 (4.79 to 6.57)

Belgium	5321.7 (5074.7 to 5613.6)	47.37 (45.13 to 50.06)	3762.3 (2865.5 to 4931.3)	27.25 (21.29 to 34.73)	-3.07 (-3.9 to -2.24)
Belize	924.9 (837 to 996.7)	685.89 (625.29 to 735.68)	3145.9 (2814 to 3427.3)	775.46 (695.23 to 841.5)	1.07 (0.16 to 2)
Benin	1516.1 (795 to 2936.2)	41.42 (22.16 to 80.21)	84180.7 (61722.6 to 116180.2)	955.97 (718.93 to 1262.54)	3.58 (-0.53 to 7.87)
Bermuda	536.7 (487.2 to 578.3)	758.01 (690.61 to 815.84)	217.6 (200 to 232.7)	278.6 (253.43 to 300.77)	-3.62 (-4.24 to -2.99)
Bhutan	174.4 (6.2 to 908.6)	37.69 (1.25 to 220.15)	1248 (26.6 to 7935.9)	152.4 (3.18 to 977.43)	3.72 (2.88 to 4.58)
Bolivia	7774.3 (796.9 to 34575.1)	156.47 (14.64 to 694.33)	28690.1 (2144.9 to 156766.7)	245.01 (18.58 to 1324.53)	0.46 (-0.33 to 1.26)
Bosnia and Herzegovina	157.8 (117.4 to 191.3)	3.13 (2.32 to 3.79)	75.1 (49.4 to 133)	1.91 (1.4 to 2.95)	-3.08 (-3.84 to -2.33)
Botswana	54274.4 (35355.9 to 90421.4)	5029.02 (3162.28 to 8407.03)	274044.4 (223133.3 to 353503)	11809.05 (9849.8 to 14785.59)	-1.08 (-3.63 to 1.53)
Brazil	277542.3 (242163.1 to 303705.5)	187.41 (161.69 to 206.83)	587206.5 (519615.4 to 642889.1)	240.37 (213.59 to 262.96)	-0.7 (-1.29 to -0.1)
Brunei	27.2 (20.1 to 35.4)	12.88 (9.78 to 16.37)	221 (178.3 to 274.4)	43.8 (35.49 to 54.2)	4.32 (3.61 to 5.04)
Bulgaria	882.7 (800.2 to 968.5)	9.23 (8.36 to 10.14)	1114.1 (1036.9 to 1188.8)	15.25 (14.23 to 16.37)	1.01 (-0.14 to 2.18)
Burkina Faso	481310.6 (313770.9 to 744308.2)	7416.06 (4800.15 to 11343.46)	120364.1 (96761.2 to 155879.7)	748.36 (594.09 to 948.79)	-9.07 (-10.03 to -8.1)
Burundi	252986.6 (111042.6 to 681520.2)	6080.98 (2651.3 to 16349)	87920 (73578.8 to 108361.2)	1034.41 (857.13 to 1305.29)	-7.66 (-9.55 to -5.73)
Cambodia	368.6 (188.6 to 728.6)	4.18 (2.17 to 8.2)	51091.4 (34649.8 to 76207.7)	318.01 (219.56 to 461.1)	5.81 (-0.45 to 12.46)
Cameroon	50027.6 (32264.5 to 84374.2)	615.03 (394.43 to 1049.7)	1087591.7 (922785.6 to 1341275.1)	4883.92 (4275.63 to 5781.19)	5.31 (2.59 to 8.09)
Canada	32040.3 (27238.1 to 35939.1)	101.16 (86.57 to 113.27)	14172.7 (11554.4 to 17914.7)	32.47 (26.46 to 40.81)	-5.54 (-6.46 to -4.62)
Cape Verde	1073.3 (450.4 to 2327.6)	441.09 (189.42 to 940.47)	2386.2 (1159.3 to 5605.7)	424.6 (210.93 to 992.36)	-2.1 (-3.87 to -0.3)
Central African Republic	81285.6 (51820.2 to 142173.3)	3489.85 (2245.36 to 6218.59)	257171.7 (200149.8 to 352883.3)	6282.58 (5044.57 to 8354.52)	-1.1 (-2.89 to 0.73)
Chad	28886.8 (16036.3 to 66314.9)	667.68 (367.92 to 1572.22)	200481.6 (134489.8 to 296523.3)	1994.74 (1377.84 to 2857.24)	0.92 (-0.99 to 2.88)
Chile	5898 (5549 to 6337.2)	44.17 (41.71 to 47.32)	26299.7 (23720.8 to 31068.8)	128.08 (115.56 to 151.46)	2.23 (0.99 to 3.49)
China	76861.5 (23534.6 to 118434.8)	6.32 (1.99 to 9.72)	905056.5 (693331.5 to 1136608.1)	51.71 (40.39 to 63.9)	6.56 (5.98 to 7.14)

Colombia	22821.9 (21836.2 to 23900.5)	77.43 (74.25 to 80.93)	114428.5 (107417 to 121816.3)	223.44 (209.64 to 237.99)	2.98 (1.77 to 4.2)
Comoros	7.1 (3.8 to 17)	2.57 (1.39 to 5.77)	118.4 (24.2 to 657)	17.26 (3.65 to 98.28)	6.19 (5.21 to 7.17)
Congo (Brazzaville)	118838.8 (74723.6 to 197180.5)	6468.84 (4076.85 to 10497.06)	187919.1 (154267.7 to 234420.4)	3927.7 (3271.29 to 4806.9)	-3.33 (-4.42 to -2.23)
Cook Islands	1.9 (0.2 to 7.1)	11.36 (1.33 to 40.04)	66.4 (1.3 to 316.5)	360.7 (7.09 to 1770.99)	11.92 (11.47 to 12.37)
Costa Rica	2493.2 (2342.9 to 2682.9)	90.78 (85.55 to 97.67)	6671.2 (6264.4 to 7089.6)	127.79 (120 to 135.9)	-0.73 (-1.55 to 0.09)
Croatia	260.6 (242.2 to 278)	4.72 (4.38 to 5.05)	329.9 (300.5 to 365.4)	6.55 (5.98 to 7.25)	-0.09 (-1.47 to 1.32)
Cuba	2398.3 (2145.7 to 2597.1)	20.72 (18.61 to 22.36)	13563.7 (12132.7 to 15278)	105.48 (94.03 to 118.22)	6.14 (5.11 to 7.18)
Cyprus	26.5 (20.9 to 36.8)	3.25 (2.57 to 4.54)	192.5 (167.3 to 224.2)	11.97 (10.42 to 13.92)	3.96 (3.28 to 4.65)
Czech Republic	200.6 (187.8 to 213.8)	1.77 (1.65 to 1.88)	793.3 (725 to 872.1)	6.41 (5.87 to 7.06)	5.02 (3.78 to 6.29)
Denmark	321.6 (218 to 454.4)	5.55 (3.77 to 7.83)	1396 (1141.5 to 1744)	20.27 (16.71 to 25.33)	-0.13 (-3.41 to 3.27)
Djibouti	36.7 (10.9 to 106.8)	9.08 (2.72 to 25.56)	42948.1 (30178.1 to 62866.8)	3684.52 (2629.72 to 5294.7)	15.18 (9.48 to 21.18)
Dominica	215 (193.9 to 232.2)	348.33 (314.94 to 375.27)	191.3 (173.1 to 207.9)	263.28 (236.71 to 287.23)	-0.94 (-1.63 to -0.25)
Dominican Republic	12241.8 (6310.4 to 25176.3)	187.55 (95 to 388.37)	51439 (36273.9 to 77977)	470.92 (334.55 to 702.41)	-0.64 (-2.86 to 1.64)
DR Congo	737789.1 (463654.3 to 1134241.9)	2618.73 (1674.09 to 4025.46)	445874.3 (338029.7 to 616327.3)	673.64 (513.77 to 916.1)	-4.78 (-6.32 to -3.23)
Ecuador	3307.4 (3040.2 to 3576)	38.01 (35.16 to 40.96)	58675.9 (54123.1 to 64317.7)	330.48 (304.91 to 361.74)	8.27 (6.85 to 9.7)
Egypt	1074.6 (639.6 to 1416.6)	2.39 (1.4 to 3.15)	1673.6 (1302.2 to 2098.7)	1.69 (1.33 to 2.11)	-1.64 (-2.5 to -0.78)
El Salvador	3420.2 (3152.9 to 3787.9)	82.96 (77.02 to 91.75)	27196.7 (16563.4 to 37419)	446.21 (269.02 to 617.13)	5.25 (3.42 to 7.12)
Equatorial Guinea	937.7 (525.5 to 1835.4)	294.29 (161.89 to 568.15)	99935.1 (61919.1 to 166174.2)	9132.15 (5748.34 to 14483.66)	10.7 (8.27 to 13.18)
Eritrea	19747.9 (9533.7 to 46428)	854.13 (406.26 to 2013.74)	62603.7 (45255.8 to 86185.8)	1172.76 (870.15 to 1562.58)	-1.89 (-4.01 to 0.28)
Estonia	20.2 (16.1 to 24.2)	1.22 (0.97 to 1.47)	1170.6 (1055.4 to 1297.3)	92.51 (83.35 to 102.54)	20.23 (16.7 to 23.87)
eSwatini	1463.2 (902.7 to 3026.8)	215.91 (135.28 to 444.14)	160674.2 (137206.3 to 198281.4)	16240.05 (14073.8 to 19481.42)	9.98 (4.92 to 15.28)

Ethiopia	516265.5 (299387.4 to 1001630)	1338.94 (766.99 to 2619.48)	1111668.8 (899084.5 to 1390114.2)	1413.28 (1201.94 to 1677.4)	-3.15 (-5.48 to -0.77)
Federated States of Micronesia	39.5 (1.6 to 246.8)	57.84 (2.29 to 354.79)	1803.2 (16.7 to 9281.7)	1926.77 (17.08 to 9917.59)	12.13 (11.14 to 13.13)
Fiji	85.4 (29 to 150.6)	11.89 (4.13 to 20.92)	375.5 (275.1 to 551.4)	39.85 (29.16 to 58.59)	2.49 (0.99 to 4.02)
Finland	494.2 (442 to 532.6)	8.35 (7.43 to 9.01)	275 (232.6 to 331.5)	4.22 (3.59 to 5.1)	-3.76 (-4.83 to -2.67)
France	146464.7 (140949.6 to 151408.5)	237.54 (228.33 to 245.78)	24965.3 (21543.6 to 29462.8)	32.09 (27.8 to 37.87)	-9.09 (-10.23 to -7.92)
Gabon	6461.1 (3258 to 16838.3)	800.22 (406.36 to 2061.5)	51108.3 (35837.2 to 75710.9)	3199.11 (2282.47 to 4656.54)	2.31 (-0.08 to 4.76)
Georgia	49.2 (37.8 to 60.9)	0.87 (0.66 to 1.07)	581.3 (506.8 to 700)	14.34 (12.59 to 17.41)	14.25 (11.5 to 17.06)
Germany	68931.9 (62097.4 to 73955.9)	76.27 (68.32 to 82.06)	20721.6 (18111.7 to 24917.3)	19.69 (17.29 to 23.64)	-5.67 (-6.75 to -4.58)
Ghana	105306.1 (66412.8 to 173884.2)	889.95 (563.62 to 1458.45)	670445.4 (537200.5 to 855227.1)	2427.77 (2006.21 to 3028.56)	1.61 (-0.27 to 3.53)
Greece	999 (765.9 to 1192.7)	9.07 (6.83 to 10.94)	820.7 (723.3 to 973.4)	7.11 (6.24 to 8.3)	-1.6 (-3.35 to 0.17)
Greenland	89 (71.4 to 114.1)	147.46 (120.77 to 187.88)	58.7 (42.7 to 77.1)	85.38 (62.8 to 111.3)	-2.83 (-3.38 to -2.28)
Grenada	237.8 (214.2 to 258)	358.17 (324.22 to 385.8)	209.6 (189.9 to 228.3)	186.26 (167.39 to 203.96)	-1.97 (-2.48 to -1.45)
Guam	53 (13.2 to 115.8)	37.77 (9.47 to 81.83)	268 (120.2 to 558.6)	158.2 (70.78 to 329.99)	3.35 (2.67 to 4.04)
Guatemala	11101.3 (10588.2 to 11637.1)	188.46 (179.9 to 196.91)	31757 (29540.4 to 34887.2)	190.57 (177.66 to 209.12)	-0.14 (-1.07 to 0.8)
Guinea	10218.8 (6515.2 to 17647.2)	215.42 (138.23 to 372.54)	185472.4 (126699.2 to 273528.8)	2047.84 (1429.26 to 2902.39)	6.14 (3.95 to 8.37)
Guinea-Bissau	2273.4 (1374.7 to 3974.1)	300.47 (180.07 to 522.12)	47007.2 (27353.3 to 78030.8)	3262.02 (1921.95 to 5393.92)	6.46 (3.8 to 9.18)
Guyana	3054.5 (2752.1 to 3311.9)	459.91 (419.45 to 495.75)	7216.9 (6457.1 to 7866.6)	930.42 (831.81 to 1016.06)	1.77 (-0.01 to 3.57)
Haiti	87954.6 (50001 to 169195.9)	1677.98 (932.17 to 3180.51)	209133.9 (160893.8 to 276728.6)	1892.04 (1481.15 to 2457.34)	-2.13 (-3.81 to -0.41)

Honduras	3083.9 (2202.2 to 4063.2)	92.51 (66.33 to 120.52)	4905.7 (3901 to 5969.7)	53.33 (42.8 to 64.83)	-4.76 (-6.18 to -3.33)
Hungary	6526.2 (6179.3 to 6949.6)	52.47 (49.7 to 55.98)	1535 (1428.7 to 1639.9)	11.91 (11.12 to 12.74)	-7.54 (-8.27 to -6.81)
Iceland	47.3 (34.7 to 58.7)	17.84 (13.26 to 21.96)	25.7 (20.4 to 31.2)	6.81 (5.29 to 8.36)	-4.72 (-5.41 to -4.04)
India	17012.6 (7545.2 to 38408.9)	2.29 (1.07 to 5.01)	1623106.9 (1333268.3 to 1937353.2)	112.25 (92.9 to 133.25)	9.14 (3.88 to 14.67)
Indonesia	97.1 (0 to 195.9)	0.06 (0 to 0.13)	270187.1 (219106.1 to 331511.8)	95.15 (77.18 to 116.27)	11.76 (7.12 to 16.6)
Iran	567.3 (226.5 to 951.8)	1.34 (0.52 to 2.22)	17076.8 (9298 to 28092.9)	17.23 (9.59 to 28.35)	9.54 (9.09 to 10)
Iraq	136.5 (85.2 to 222)	1.03 (0.66 to 1.62)	2300.3 (602.9 to 7114.2)	5.42 (1.37 to 17.54)	6.03 (5.08 to 7)
Ireland	500 (446.6 to 544.6)	14.3 (12.79 to 15.62)	519.5 (442.4 to 626.7)	9.89 (8.42 to 11.85)	-4.48 (-6.19 to -2.74)
Israel	1195.6 (1053.1 to 1321.1)	25.77 (22.79 to 28.38)	1992.5 (1562.4 to 2560.1)	21.04 (16.61 to 27.24)	-1.05 (-1.75 to -0.35)
Italy	83244.9 (68542.4 to 91634.6)	141.81 (116.43 to 156.43)	28732.3 (25457.6 to 33206.4)	36.71 (32.26 to 42.63)	-7.21 (-8.45 to -5.96)
Ivory Coast	391019.8 (181042.7 to 1069456.4)	4070.53 (1850.34 to 10977.35)	580431.5 (484298.2 to 731842.5)	2795.59 (2343.59 to 3352.53)	-3.46 (-5.4 to -1.48)
Jamaica	6593.2 (5927.9 to 7147.9)	338.49 (305.23 to 366.4)	15581.1 (14085.1 to 16898)	517.12 (466.76 to 561.01)	0.49 (-0.68 to 1.67)
Japan	2960.7 (2729.9 to 3364.3)	1.99 (1.83 to 2.25)	8295.5 (6397.8 to 10765.7)	4.63 (3.64 to 5.88)	2.44 (1.62 to 3.27)
Jordan	43.2 (33.9 to 50.8)	1.64 (1.29 to 1.91)	821.8 (600 to 1115)	7.35 (5.25 to 9.91)	5.11 (3.99 to 6.24)
Kazakhstan	1493.6 (938.8 to 1997.3)	9.07 (5.78 to 12.15)	5911.5 (5393.7 to 6510.2)	29 (26.48 to 31.9)	2.25 (1.11 to 3.41)
Kenya	770513 (488764.7 to 1253937.3)	4587.01 (2888.72 to 7427.44)	2195541.3 (1889114 to 2599755.1)	5419.68 (4775.99 to 6179.39)	-2.46 (-4.45 to -0.43)
Kiribati	16.8 (9.6 to 25.2)	25.68 (14.71 to 38.5)	53.5 (39.7 to 73.2)	45.56 (33.78 to 62.57)	0.47 (-0.31 to 1.25)
Kuwait	40.9 (32.7 to 48.1)	2.36 (1.93 to 2.77)	86.9 (71.1 to 106.2)	1.44 (1.2 to 1.73)	-1.65 (-3.08 to -0.2)
Kyrgyzstan	454.6 (308.9 to 590.1)	11.75 (7.86 to 15.46)	2738.5 (2489.3 to 3031)	41.83 (37.96 to 46.17)	3.41 (2.77 to 4.06)

Laos	0.3 (0 to 2.2)	0.01 (0 to 0.06)	16824 (1209 to 115280.4)	242.75 (17.49 to 1747.08)	24.85 (18.03 to 32.05)
Latvia	308 (220.2 to 409.7)	10.94 (7.81 to 14.67)	3108.3 (2903.7 to 3320.7)	151.55 (141.44 to 162.35)	10.03 (9.09 to 10.98)
Lebanon	875.5 (57.5 to 2806.4)	31.97 (2.06 to 100.48)	1355.9 (44.3 to 6923.6)	24.93 (0.83 to 122.34)	-1.91 (-2.41 to -1.4)
Lesotho	23925.3 (15655.2 to 41400.9)	1616.67 (1036.21 to 2831.93)	506040 (412758.6 to 647520.8)	25881.9 (21831.63 to 32117.48)	6.91 (3.94 to 9.97)
Liberia	5084.2 (2578.9 to 11797.5)	339.45 (171.58 to 780.84)	75727.8 (57719.1 to 103436)	1878.12 (1448.21 to 2514.88)	4.18 (1.83 to 6.58)
Libya	158.2 (25.8 to 503.9)	5.05 (0.79 to 15.95)	2525.6 (90.1 to 14065.4)	31.38 (1.14 to 170.29)	6.4 (5.63 to 7.17)
Lithuania	452 (384.5 to 518.4)	11.38 (9.65 to 13.1)	1011.1 (924.7 to 1096.9)	31.68 (29.08 to 34.43)	6.26 (4.94 to 7.61)
Luxembourg	199.3 (172.1 to 219.1)	44.82 (38.64 to 49.39)	123.5 (105.2 to 151.5)	16.58 (14.18 to 20.13)	-5.49 (-6.32 to -4.65)
Madagascar	48.3 (12 to 121)	0.51 (0.12 to 1.27)	115186.7 (75502.8 to 170129.2)	538.12 (354.52 to 780.93)	23.01 (17.48 to 28.8)
Malawi	598810.5 (373597.7 to 1019630.3)	8196.37 (4997.45 to 13918.6)	682721 (573362.7 to 851648.4)	5198.7 (4498.94 to 6209.62)	-3.67 (-5.87 to -1.43)
Malaysia	322.7 (227.3 to 468)	1.9 (1.32 to 2.78)	32199.6 (22546.6 to 42017.7)	93.91 (65.13 to 122.54)	10.19 (7.18 to 13.29)
Maldives	3.4 (2.9 to 4)	2.18 (1.85 to 2.56)	38 (34 to 42.7)	6.47 (5.82 to 7.13)	3.33 (2.31 to 4.35)
Mali	22390.9 (11493.4 to 55427.5)	345.67 (176.66 to 851.57)	193799.8 (140377.4 to 258787.2)	1354.03 (998.3 to 1778.31)	2.52 (0.39 to 4.7)
Malta	98.9 (88.4 to 108)	24.07 (21.5 to 26.24)	82.4 (66.8 to 105.4)	16.78 (13.73 to 21.4)	-2.89 (-3.71 to -2.06)
Marshall Islands	10.7 (0.3 to 64.3)	35.01 (0.94 to 208.91)	162.1 (1.4 to 1267.6)	286.76 (2.51 to 2266.72)	5.06 (4.31 to 5.82)
Mauritania	1995.1 (374.2 to 11700.6)	150.02 (28.55 to 893.95)	1157.6 (192.2 to 7453.9)	36.86 (6.38 to 234.22)	-6.38 (-7.02 to -5.73)
Mauritius	411 (362.1 to 460.6)	36.39 (31.53 to 40.94)	3349.4 (2864 to 3799.3)	230.58 (197.73 to 259.23)	16.48 (13.67 to 19.37)
Mexico	95157.4 (91339.5 to 98130.3)	131.51 (126.75 to 135.32)	237546.8 (227447.1 to 248703)	179.61 (172.01 to 188.03)	-0.18 (-0.87 to 0.51)

Moldova	303.3 (251.6 to 350.6)	6.47 (5.43 to 7.5)	6873.9 (6393.6 to 7412.3)	156.82 (145.94 to 169.11)	9.97 (7.83 to 12.16)
Monaco	15.3 (5.3 to 41.8)	43.42 (14.57 to 116.49)	29.5 (7.1 to 94.8)	61.72 (11.87 to 204.59)	0.38 (0.02 to 0.74)
Mongolia	0.1 (0 to 0)	0.01 (0 to 0)	239.3 (38.5 to 604.6)	7.04 (1.09 to 18.4)	16.14 (11.86 to 20.58)
Montenegro	26.2 (20.9 to 30.9)	3.95 (3.15 to 4.68)	43.7 (37.2 to 52.3)	6.64 (5.62 to 7.95)	0.68 (-0.7 to 2.07)
Morocco	2019.6 (259.6 to 6125.4)	9.43 (1.18 to 28.59)	12660.1 (612.9 to 71394.2)	32.95 (1.6 to 188.64)	4.56 (2.89 to 6.26)
Mozambique	84670.9 (53458.9 to 152344.3)	823.47 (510.55 to 1503.93)	2902615.8 (2308818.1 to 3912267.5)	13369.04 (10913.41 to 17560.05)	7.99 (5.42 to 10.64)
Myanmar	1936.5 (1198.3 to 3278.3)	4.81 (2.98 to 8.22)	188435 (143422.5 to 255238.2)	327.46 (249.95 to 443.25)	9.93 (5.2 to 14.86)
Namibia	11597 (8153.7 to 18321.6)	1019.98 (707.75 to 1618.58)	168755.7 (144356 to 202725.4)	8138.35 (7073.55 to 9581.7)	3.62 (0.32 to 7.02)
Nauru	1 (0.1 to 3.5)	11.17 (1.61 to 38.92)	34.9 (0.8 to 173.1)	361.01 (8.58 to 1765.87)	12.01 (11.52 to 12.51)
Nepal	0.5 (0 to 3.5)	0 (0 to 0.02)	48057.5 (1229.1 to 268268.6)	169.37 (4.35 to 939.3)	30.65 (21.71 to 40.25)
Netherlands	14484.2 (13660.5 to 15273)	85.23 (80.43 to 89.86)	3579.3 (2799.6 to 4532)	17.17 (13.65 to 21.63)	-7.29 (-8.37 to -6.21)
New Zealand	2330.5 (2221.6 to 2427.1)	64.25 (61.31 to 66.83)	543.8 (448.7 to 667)	11.58 (9.56 to 14.22)	-6.52 (-7.7 to -5.32)
Nicaragua	643.4 (530.2 to 754.1)	22.44 (18.65 to 25.96)	25554.6 (16465.4 to 35491.9)	387.99 (244.76 to 548.52)	11.04 (10.32 to 11.77)
Niger	12725 (7241.3 to 24924.8)	224.29 (127.57 to 442.48)	61985.5 (43636 to 85897.6)	466.15 (328.79 to 640.78)	0.06 (-2.29 to 2.47)
Nigeria	296394.9 (196866.5 to 481730.1)	411.34 (276.34 to 664.34)	3099116.9 (2350608 to 4015952)	1995.15 (1566.95 to 2513.66)	2.46 (0.27 to 4.7)
Niue	0.2 (0 to 0.8)	11.45 (1.55 to 39.21)	5.9 (0.1 to 28.7)	349.07 (7.68 to 1726.26)	11.91 (11.41 to 12.42)
North Korea	831.5 (68.9 to 4994.1)	4.06 (0.34 to 23.72)	22185.9 (1006 to 118060.7)	73.39 (3.42 to 383.1)	8.58 (7.23 to 9.94)
North Macedonia	22.3 (16.8 to 27.1)	1.05 (0.79 to 1.27)	64.7 (56.7 to 73.3)	2.66 (2.34 to 2.99)	3.43 (2.28 to 4.58)
Northern Mariana Islands	4.2 (1 to 9.4)	7.67 (2.04 to 16.68)	23 (4.3 to 51.5)	51.57 (9.99 to 116.3)	5.52 (4.37 to 6.69)
Norway	1336.7 (1252.5 to 1401)	29.87 (28.01 to 31.31)	805.8 (679.1 to 986.9)	13.92 (11.7 to 16.96)	-4.27 (-5.33 to -3.2)
Oman	118.5 (96.1 to 135.1)	7.84 (6.45 to 8.88)	3772.7 (2175.1 to 5627.2)	75.12 (41.77 to 116.1)	8.69 (7.42 to 9.98)

Pakistan	4450.7 (385.3 to 22426.3)	5.58 (0.47 to 27.31)	68856.2 (1672 to 407779.1)	35.93 (0.84 to 205.48)	5.98 (5.03 to 6.94)
Palau	1.7 (0.2 to 6.4)	11.17 (1.39 to 39.61)	74.6 (1.5 to 367.3)	334.18 (6.83 to 1656.97)	11.71 (11.28 to 12.14)
Palestine	14.8 (10.6 to 19.6)	1.03 (0.73 to 1.35)	360 (297.8 to 441.3)	7.71 (6.39 to 9.51)	6.95 (6.06 to 7.84)
Panama	7423.6 (6954.1 to 7960.8)	344.88 (323.15 to 369.87)	26424.9 (24725.9 to 28297)	625.3 (585.61 to 669.22)	1.19 (0.35 to 2.05)
Papua New Guinea	70.6 (13.3 to 173.7)	1.98 (0.37 to 4.83)	158296.2 (45469.4 to 453679)	1827.62 (560.7 to 5271.41)	21.11 (14.9 to 27.64)
Paraguay	932.6 (435.8 to 1302.5)	27.47 (12.83 to 38.74)	17186.3 (11095.3 to 24012.6)	243.2 (153.95 to 347.29)	8.99 (7.74 to 10.26)
Peru	20572.2 (16908.2 to 24135.6)	107.83 (89.19 to 126.03)	87634.4 (55498.6 to 133898.6)	246.18 (156 to 375.55)	2.43 (1.29 to 3.58)
Philippines	33000.8 (32105.7 to 33729.6)	56.79 (55.1 to 58.01)	241674.9 (221666.2 to 278863.4)	212.46 (194.49 to 246.37)	4.89 (3.74 to 6.06)
Poland	685.3 (593.4 to 763.5)	1.7 (1.48 to 1.89)	5056.1 (4205.7 to 6022.4)	11.47 (9.62 to 13.61)	7.63 (5.24 to 10.07)
Portugal	8340.5 (7281.5 to 9166.3)	80.96 (70.22 to 89.34)	19901.1 (18550.3 to 21685.1)	159.76 (148.68 to 174.03)	-1.67 (-3.5 to 0.2)
Puerto Rico	37478.8 (33121.5 to 40930.2)	1040.02 (919.14 to 1135.79)	8212.2 (7542.2 to 8795.9)	202.3 (184.54 to 218.26)	-7.72 (-8.47 to -6.97)
Qatar	46 (33.3 to 58.6)	8.46 (6.26 to 10.62)	107.4 (79.8 to 132.3)	3.03 (2.35 to 3.68)	-5.27 (-6.37 to -4.15)
Romania	1931.5 (1655.1 to 2199.4)	8.15 (6.97 to 9.31)	4712.3 (4316.6 to 5138.7)	28.01 (25.66 to 30.56)	3.74 (1.61 to 5.92)
Russia	70197.1 (50726.8 to 87206.8)	43.28 (31.69 to 53.41)	469595.7 (338258.5 to 583989.2)	292.55 (213.74 to 359.82)	7.26 (6.8 to 7.72)
Rwanda	84930.6 (42030.6 to 225725.8)	1557.18 (759.04 to 4167.28)	147927.1 (125081.5 to 183659.3)	1495.86 (1283.63 to 1794.21)	-3.66 (-6.06 to -1.2)
Saint Kitts and Nevis	50.4 (16 to 121.9)	140.11 (46.16 to 363.54)	1120.9 (196.3 to 2896.2)	1560.3 (272.9 to 3986.3)	6.76 (5.51 to 8.02)
Saint Lucia	285.2 (257.6 to 308.6)	268.16 (242.86 to 288.7)	282.8 (256.6 to 307.9)	138.52 (124.92 to 151.41)	-2.13 (-2.74 to -1.52)
Saint Vincent and the Grenadines	520.5 (468.9 to 562.3)	617.57 (560.11 to 664.7)	744.6 (672.6 to 804.7)	609.12 (547.61 to 660.29)	-0.06 (-1.18 to 1.08)
Samoa	42.7 (1.7 to 246.6)	34.85 (1.37 to 197.51)	550 (7 to 4251.6)	297.83 (3.69 to 2333.08)	5.34 (4.61 to 6.07)
San Marino	11.6 (4 to 31.5)	45.56 (15.05 to 123.47)	24.4 (5.3 to 81.6)	59.53 (11.41 to 197.58)	-0.03 (-0.44 to 0.38)
Sao Tome and Principe	22 (14 to 33.7)	27.99 (17.67 to 42.55)	20.8 (14 to 29.3)	11.84 (8.14 to 16.5)	-5.75 (-7.3 to -4.17)
Saudi Arabia	1477 (941.3 to 2322.2)	11.32 (7.28 to 17.37)	20776.3 (9030.9 to 52432.9)	44.49 (18.79 to 116.58)	4.79 (3.91 to 5.69)

Senegal	10757.9 (6453 to 18896.8)	194.4 (117.99 to 339.26)	71577.5 (54056.7 to 96871.7)	616.9 (474.36 to 824.7)	2.02 (-0.23 to 4.32)
Serbia	352.1 (0 to 630.1)	3.68 (0 to 6.58)	1651.4 (1035.1 to 3539.7)	16.85 (10.76 to 35.67)	7.69 (6.28 to 9.11)
Seychelles	7.6 (4.9 to 13.6)	11.47 (7.31 to 21.15)	122.2 (93.8 to 160.4)	103.46 (80.13 to 134.48)	4.28 (2.1 to 6.5)
Sierra Leone	5378.9 (2751.3 to 12634.8)	180.16 (91.7 to 426.77)	133776.8 (102558 to 183455.7)	2020.03 (1599.49 to 2698.27)	6.87 (4.6 to 9.19)
Singapore	348.7 (306.2 to 399.7)	10.38 (9.21 to 11.79)	1723.3 (1475.3 to 2168.7)	21.42 (18.39 to 26.87)	-0.67 (-2.54 to 1.23)
Slovakia	34.6 (0 to 64.6)	0.62 (0 to 1.15)	177.6 (150.8 to 211.9)	2.77 (2.36 to 3.3)	2.42 (0.79 to 4.08)
Slovenia	147 (132 to 159.1)	6.67 (6.01 to 7.21)	97.6 (85.7 to 113.9)	4.05 (3.57 to 4.72)	-2.2 (-4.07 to -0.29)
Solomon Islands	85.8 (3.1 to 505.2)	36.73 (1.34 to 205.63)	1630.7 (19.4 to 12853.9)	286.69 (3.3 to 2291.45)	4.86 (4.08 to 5.64)
Somalia	899.9 (218.7 to 2891.9)	16.37 (3.96 to 52.39)	135423.8 (99716.8 to 183278.2)	947.52 (706.45 to 1285.46)	8.93 (4.86 to 13.17)
South Africa	119618.3 (80492.8 to 195441.6)	339.25 (228.37 to 560.89)	6917218.8 (5814925.7 to 8675594.1)	11676.41 (9983.88 to 14341.28)	9.54 (5.53 to 13.7)
South Korea	2213.2 (1786.3 to 2529.3)	5.03 (4.12 to 5.67)	8210.2 (6034 to 11769.6)	10.72 (7.99 to 15.05)	4.57 (3.5 to 5.66)
South Sudan	10814.1 (4509.5 to 31319)	239.56 (100.3 to 700.16)	206454.2 (89771.7 to 414068.3)	3020.32 (1296.83 to 6149.91)	7.3 (5.08 to 9.56)
Spain	92065.3 (80094.2 to 100515.3)	234.12 (202.93 to 255.93)	31264.7 (28336.5 to 34569.1)	51.31 (46.61 to 56.68)	-8.29 (-9.32 to -7.25)
Sri Lanka	1165.6 (507.1 to 1805.7)	7.04 (3.07 to 10.8)	1722.3 (1270.8 to 2457)	7.44 (5.55 to 10.53)	-0.41 (-1.53 to 0.73)
Sudan	5625.9 (1687 to 18427.6)	35.77 (10.42 to 117.09)	170496.7 (87115.7 to 327571.5)	501.28 (259 to 941.32)	7.41 (5.62 to 9.23)
Suriname	2064.8 (1873.4 to 2218.4)	599.63 (545.81 to 642.97)	3807.2 (3449 to 4129.9)	628.07 (566.31 to 683.03)	0.6 (-0.68 to 1.88)
Sweden	2207.1 (1899.2 to 2443.5)	23.39 (20.04 to 26)	1030.2 (836.2 to 1295.8)	9.01 (7.3 to 11.33)	-5.01 (-6.11 to -3.89)
Switzerland	800.8 (499.2 to 1192.2)	10.17 (6.3 to 15.16)	2978.7 (2253.1 to 3950.1)	26.2 (20.28 to 34.23)	-1.28 (-4.6 to 2.15)
Syria	202.2 (171.6 to 227.8)	2.23 (1.93 to 2.49)	576.1 (444.2 to 826.4)	4.21 (3.23 to 5.98)	1.32 (0.66 to 1.98)
Taiwan (province of China)	319.7 (268.5 to 369.4)	1.43 (1.2 to 1.65)	4777.1 (3829.8 to 5621.3)	17.35 (14.26 to 20.33)	6.97 (5.32 to 8.64)
Tajikistan	182.4 (86.8 to 292.7)	4.41 (2.1 to 7.19)	1574.2 (1133.5 to 2362.6)	17.11 (12.28 to 25.81)	3.7 (1.44 to 6.01)
Tanzania	1357899.8 (868610.9 to 2142473.4)	7155.82 (4495.19 to 11327.22)	1242889.1 (1022733.5 to 1567922.5)	2943.24 (2479.17 to 3621.96)	-4.51 (-6.29 to -2.7)
Thailand	36495 (24567.5 to 55972.3)	60.26 (40.33 to 93.64)	639264.9 (492769.9 to 913320.5)	753.24 (579.4 to 1076.37)	2.23 (-0.78 to 5.34)

The Bahamas	2516.8 (2237 to 2767.2)	1012.76 (905.36 to 1107.29)	4374.9 (3974.1 to 4737.9)	995.56 (901.66 to 1080.35)	-2.88 (-4.11 to -1.64)
The Gambia	1041.9 (596.3 to 2055.8)	137.73 (78.22 to 272.53)	49990.8 (32816.9 to 73744.1)	2979.84 (2014.15 to 4300.07)	8.89 (6.13 to 11.73)
Timor-Leste	310.9 (9.6 to 1867.4)	46.24 (1.38 to 287.07)	7490.2 (93.3 to 45300.7)	681.54 (8.54 to 4099.12)	3.58 (0.99 to 6.24)
Togo	13482.5 (7176.3 to 28683.1)	493.38 (260.82 to 1056.64)	153134.6 (113743.2 to 206574.3)	2343.1 (1746.13 to 3108.24)	2.93 (-0.21 to 6.17)
Tokelau	0.1 (0 to 0.5)	11.55 (1.68 to 40.38)	4.7 (0.1 to 23.1)	364.25 (8.1 to 1812.46)	12.01 (11.52 to 12.5)
Tonga	8.5 (2.2 to 18.3)	11.33 (2.94 to 24.57)	70.5 (16.8 to 179.9)	79.07 (18.15 to 201.82)	5.26 (4.34 to 6.2)
Trinidad and Tobago	3893.9 (3460.8 to 4269.5)	336.39 (300.82 to 367.56)	8013.1 (7213.6 to 8698.6)	502.44 (451.37 to 546.13)	-1.01 (-2.53 to 0.53)
Tunisia	246.4 (44.2 to 1299)	3.52 (0.64 to 17.91)	4686.6 (257.2 to 24506.7)	36.12 (2.13 to 185.71)	8.53 (7.88 to 9.18)
Turkey	278.6 (0 to 505.7)	0.55 (0 to 0.99)	8901.2 (7014.9 to 10818.2)	9.43 (7.4 to 11.44)	8.74 (7.49 to 10.01)
Turkmenistan	1264.9 (889.2 to 1606.1)	39.87 (26.77 to 51.27)	2158.6 (1418.8 to 2856.1)	39.81 (26.25 to 53)	-1.36 (-2.39 to -0.32)
Tuvalu	1 (0.2 to 3.3)	11.23 (1.78 to 38.01)	40.6 (1 to 202.4)	355.96 (8.38 to 1775.7)	12.04 (11.54 to 12.54)
Uganda	2972194.2 (1929231.4 to 4236667.7)	25924.71 (17098.19 to 36342.43)	1019338.6 (801209.3 to 1356343.6)	3530.19 (2892.43 to 4490.72)	-7.09 (-8.02 to -6.16)
UK	20793.8 (19212.3 to 22269.6)	34.27 (31.62 to 36.73)	17985.3 (13553.9 to 23866.1)	23.34 (17.71 to 31.01)	-2.33 (-3.25 to -1.4)
Ukraine	29845.4 (20267.7 to 38204.9)	54.6 (37.17 to 70.22)	169711.5 (134763.1 to 203016.2)	330.23 (263.72 to 395.07)	6.44 (4.94 to 7.96)
United Arab Emirates	66.9 (5.9 to 229.5)	3.11 (0.27 to 10.48)	3281.9 (83.5 to 18593.3)	47.88 (0.85 to 283.79)	10.44 (10.08 to 10.8)
Uruguay	1402.5 (1264.5 to 1554.2)	43.31 (38.7 to 47.85)	5794.7 (5208 to 6440.8)	153.91 (137.23 to 171.51)	3.76 (2.74 to 4.78)
USA	1145314.6 (1001007.3 to 1248821.4)	402.38 (353.9 to 437.92)	357803.1 (297969.9 to 440085.9)	91.38 (76.52 to 112.06)	-6.67 (-7.46 to -5.87)
Uzbekistan	2150.8 (1382.1 to 2879.6)	12.67 (7.83 to 17.3)	9261.1 (5674.3 to 12826.1)	25.82 (15.87 to 35.62)	1.53 (1.03 to 2.02)
Vanuatu	35 (1.7 to 206.8)	31.07 (1.43 to 181.09)	656.7 (9.8 to 5180.8)	255.43 (3.75 to 2038.27)	5.35 (4.67 to 6.05)
Venezuela	24151.2 (23143.9 to 25254.7)	143.54 (137.76 to 149.59)	86803.1 (81232.3 to 92998.4)	286.47 (268.59 to 306.79)	2.07 (1.4 to 2.74)
Vietnam	7695.1 (4400.7 to 12609.4)	10.96 (6.19 to 18.05)	168082.2 (136193.9 to 218414.6)	150.43 (122.53 to 193.42)	7.86 (5.66 to 10.11)

Virgin Islands	279.5 (252.3 to 303.4)	253.9 (230 to 275.01)	274.3 (251.6 to 294.1)	239.28 (217.11 to 258.52)	-1.15 (-1.8 to -0.49)
Yemen	2326.3 (202.9 to 9509.1)	27 (2.25 to 108.37)	13064.2 (523.4 to 65965.1)	48.88 (1.93 to 263.18)	1.45 (0.93 to 1.97)
Zambia	525253.8 (337239 to 851480)	8827.51 (5435.67 to 14483.12)	1011208.4 (857128.7 to 1253075.4)	7382.82 (6418.16 to 8764.21)	-3.27 (-5.16 to -1.35)
Zimbabwe	474863.4 (239987.5 to 1086065.5)	5983 (2973.17 to 14176.18)	924753.9 (831837.1 to 1058262.4)	7860.06 (7155.29 to 8741.11)	-2.02 (-4.76 to 0.8)

UI, uncertainty interval; ASR, age-standardized rate; EAPC, estimated annual percentage change; CI, confidential interval.

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

	Item No.	Recommendation	Page No.
Title and abstract	1	(a) Indicate the study's design with a commonly used term in the title or the abstract	1
		(b) Provide in the abstract an informative and balanced summary of what was done and what was found	2
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	4
Objectives	3	State specific objectives, including any prespecified hypotheses	5
Methods			
Study design	4	Present key elements of study design early in the paper	5
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	6
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	5
		<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	
		(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	
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	5
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	5
Bias	9	Describe any efforts to address potential sources of bias	6
Study size	10	Explain how the study size was arrived at	5

Continued on next page

Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	6
Statistical methods	12	(a) Describe all statistical methods, including those used to control for confounding	6
		(b) Describe any methods used to examine subgroups and interactions	7
		(c) Explain how missing data were addressed	6
		(d) <i>Cohort study</i> —If applicable, explain how loss to follow-up was addressed	6
		<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	
		(e) Describe any sensitivity analyses	6
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	8
		(b) Give reasons for non-participation at each stage	N A
		(c) Consider use of a flow diagram	N A
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	8
		(b) Indicate number of participants with missing data for each variable of interest	N A
		(c) <i>Cohort study</i> —Summarise follow-up time (eg, average and total amount)	
Outcome data	15*	<i>Cohort study</i> —Report numbers of outcome events or summary measures over time	
		<i>Case-control study</i> —Report numbers in each exposure category, or summary measures of exposure	
		<i>Cross-sectional study</i> —Report numbers of outcome events or summary measures	8
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	8
		(b) Report category boundaries when continuous variables were categorized	8
		(c) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	8

Continued on next page

Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	9
Discussion			
Key results	18	Summarise key results with reference to study objectives	9
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	13
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	13
Generalisability	21	Discuss the generalisability (external validity) of the study results	13
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	15

*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.