

Table S1: Severity levels, descriptions, and disability weights for atrial fibrillation and flutter in the Global Burden of Disease Study 2021

Severity level	Lay description	Disability weight (95% CI)
Asymptomatic atrial fibrillation	No symptoms	N/A
Symptomatic atrial fibrillation, without heart failure	Experiences episodes of rapid and irregular heartbeats, with occasional fainting.	0.224 (0.151–0.312)
Symptomatic atrial fibrillation, with asymptomatic heart failure	Experiences episodes of rapid and irregular heartbeats, with occasional fainting; diagnosed with clinical heart failure, a chronic condition requiring daily medication, causing some concern but minimal interference in daily activities.	0.012 (0.006–0.023)
Symptomatic atrial fibrillation, with mild heart failure	Experiences rapid, irregular heartbeats with occasional fainting, along with shortness of breath and fatigue with minimal physical activity (e.g., walking uphill or covering a quarter-mile on level ground). Feels comfortable at rest or when engaging in light activities.	0.042 (0.026–0.062)
Symptomatic atrial fibrillation, with moderate heart failure	Experiences rapid, irregular heartbeats with occasional fainting, along with shortness of breath and fatigue during minimal physical activity (e.g., walking a short distance). Feels comfortable at rest but avoids moderate activity.	0.072 (0.047–0.103)
Symptomatic atrial fibrillation, with severe heart failure	Experiences rapid, irregular heartbeats with occasional fainting, along with shortness of breath and fatigue even at rest. Physical activity is avoided to prevent worsening symptoms.	0.179 (0.122–0.312)

CI: Confidence interval

Table S2: Prevalent cases of atrial fibrillation and flutter in 1990 and 2021, and the percentage change in the age-standardised rates (ASRs) per 100,000 by location (Generated from data available from http://ghdx.healthdata.org/gbd-results-tool)					
	1990		2021		Percentage change in ASRs per 100,000
	No (95% UI)	ASRs per 100,000 (95% UI)	No (95% UI)	ASRs per 100,000 (95% UI)	
Global	22214495 (17526215 , 28522555)	616.6 (485.2 , 795.3)	52552045 (43137876 , 64963854)	620.5 (511.4 , 768.9)	0.6 (-3.3 , 5.7)
High-income North America	3293625 (2543345 , 4240128)	900.5 (701.2 , 1153.1)	7106415 (6544296 , 7755026)	1031.2 (952.3 , 1117.9)	14.5 (-5.5 , 37)
Canada	383916 (305778 , 474738)	1163.5 (929.5 , 1432.7)	731819 (554975 , 954038)	958.8 (733.2 , 1244.3)	-17.6 (-26.8 , -8.4)
Greenland	292 (228 , 377)	1087.9 (839.3 , 1403.5)	617 (478 , 795)	1014.8 (775.8 , 1305.1)	-6.7 (-10.6 , -2.7)
United States of America	2909341 (2226181 , 3751437)	875 (675 , 1125.9)	6373868 (5938751 , 6852944)	1040.4 (973.5 , 1116.2)	18.9 (-4.8 , 46.9)
Australasia	208038 (190582 , 225387)	885.2 (810.9 , 960.4)	508534 (400838 , 650591)	913.6 (725.7 , 1163.5)	3.2 (-14.3 , 24)
Australia	176034 (164773 , 187556)	900.5 (846 , 956.6)	435826 (338605 , 563002)	928.3 (725.7 , 1201.3)	3.1 (-17.8 , 29.8)
New Zealand	32004 (25316 , 40250)	806 (643.2 , 1015)	72708 (60818 , 88247)	835.2 (704.9 , 1004.7)	3.6 (-4.5 , 12.7)
High-income Asia Pacific	1052102 (825876 , 1364552)	533.6 (423.3 , 688.8)	2165450 (1737905 , 2727227)	465.2 (383.8 , 577)	-12.8 (-17.3 , -7.5)
Brunei Darussalam	525 (412 , 677)	537.3 (419.1 , 696.7)	1479 (1155 , 1910)	452 (354.8 , 583)	-15.9 (-19.4 , -11.4)

Japan	873570 (685978 , 1135914)	519.9 (411.6 , 671.8)	1498702 (1171946 , 1964169)	391.9 (310.6 , 511.2)	-24.6 (-26.8 , -22.9)
Republic of Singapore	10361 (8190 , 13361)	496.1 (394.2 , 643)	36795 (28982 , 47620)	430.3 (339.4 , 557.4)	-13.3 (-16.5 , -9.7)
Republic of Korea	167647 (132028 , 217480)	610.5 (486.7 , 785.9)	628474 (544533 , 739494)	675.1 (584.7 , 790.6)	10.6 (-4.1 , 27.9)
Western Europe	4930276 (3885223 , 6301409)	817.7 (649.6 , 1042.9)	8410140 (7063579 , 10013004)	844.9 (717.1 , 992.5)	3.3 (-4.7 , 12.9)
Principality of Andorra	462 (354 , 595)	835.1 (645.9 , 1083)	1172 (905 , 1510)	744 (574.9 , 956.3)	-10.9 (-14.9 , -6.7)
Republic of Austria	80258 (71857 , 89871)	643.2 (578.9 , 714.5)	241015 (230229 , 251784)	1217.2 (1164.8 , 1272.2)	89.3 (71.1 , 107.3)
Kingdom of Belgium	112962 (86002 , 147149)	704.7 (544.2 , 918.2)	163236 (131345 , 207711)	675.5 (554 , 847.2)	-4.1 (-13.7 , 8.9)
Republic of Cyprus	5114 (3908 , 6514)	652.1 (507.8 , 834.3)	10427 (8434 , 13170)	487.2 (395.5 , 615.6)	-25.3 (-33 , -17.4)
Kingdom of Denmark	69659 (53710 , 89658)	817.1 (637.9 , 1043.6)	111718 (88772 , 138463)	908.2 (736.4 , 1119.5)	11.1 (2.6 , 24.8)
Republic of Finland	85278 (64676 , 106114)	1168.4 (891.8 , 1441.8)	117234 (94965 , 141038)	862.5 (725.5 , 1013.8)	-26.2 (-37.4 , -11.9)
French Republic	703229 (534466 , 921039)	803.3 (620.3 , 1041.3)	1081926 (820574 , 1416350)	718 (554.4 , 926)	-10.6 (-14.9 , -6.3)
Federal Republic of Germany	1225849 (937079 , 1593976)	927.9 (719.8 , 1195.4)	2155152 (1896612 , 2379617)	1072.9 (944 , 1172.8)	15.6 (-5.5 , 43.9)
Hellenic Republic	105797 (87036 , 133969)	686.9 (566.9 , 865.2)	175318 (132665 , 230098)	662.1 (510.1 , 855.6)	-3.6 (-13.1 , 10.2)

Republic of Iceland	2087 (1581 , 2704)	704 (537 , 912.6)	4788 (3892 , 5821)	793.3 (651 , 960.2)	12.7 (0.5 , 31.5)
Ireland	31562 (23747 , 40777)	757.7 (578.6 , 980)	54616 (42201 , 70424)	666.5 (517 , 858.4)	-12 (-16.3 , -8)
State of Israel	41616 (31818 , 54187)	848.3 (656.5 , 1096.6)	147352 (122034 , 167473)	1155.5 (958.3 , 1312.4)	36.2 (13.9 , 72.9)
Republic of Italy	824078 (633970 , 1072624)	897.9 (697.1 , 1163.5)	1327156 (1001901 , 1743600)	821.6 (632.6 , 1065.6)	-8.5 (-10.6 , -5.7)
Grand Duchy of Luxembourg	4288 (3610 , 5095)	763.6 (647.3 , 906.1)	8302 (7313 , 9305)	751.6 (663.7 , 841.1)	-1.6 (-9.4 , 6.7)
Republic of Malta	2836 (2179 , 3655)	676.8 (521.1 , 871.7)	6323 (5524 , 7076)	598.5 (529.8 , 673.5)	-11.6 (-26.3 , 9.6)
Principality of Monaco	602 (451 , 792)	787 (609.6 , 1021.1)	754 (573 , 971)	718.2 (557.8 , 916.8)	-8.8 (-12.8 , -3.8)
Kingdom of the Netherlands	172361 (156082 , 189738)	834 (753 , 922.8)	287028 (243038 , 332612)	770 (654.2 , 894.1)	-7.7 (-16.1 , 0.1)
Kingdom of Norway	57867 (44003 , 75498)	798.4 (620.8 , 1032.7)	79412 (61345 , 102809)	761.5 (589.3 , 985.5)	-4.6 (-7.2 , -1.4)
Portuguese Republic	105934 (80401 , 138675)	758.2 (585.1 , 989.7)	192005 (161459 , 229225)	695.7 (591 , 820.1)	-8.2 (-21.4 , 7.7)
Republic of San Marino	293 (225 , 382)	800.7 (623 , 1037)	583 (442 , 761)	720.1 (555.9 , 936.4)	-10.1 (-14.1 , -5.3)
Kingdom of Spain	489404 (384802 , 625445)	876.3 (690.9 , 1108.6)	902888 (806291 , 1004786)	863.9 (780.3 , 960.2)	-1.4 (-16.6 , 18.4)
Kingdom of Sweden	163917 (128606 , 209330)	1010.9 (810.1 , 1286.9)	360875 (270489 , 465091)	1529.8 (1166.6 , 1943.3)	51.3 (37.5 , 66.8)

Swiss Confederation	51170 (39839 , 65184)	463.8 (360.7 , 586.5)	84810 (74812 , 97781)	439 (388.9 , 505.6)	-5.3 (-19.2 , 12.5)
United Kingdom of Great Britain and Northern Ireland	589601 (466035 , 750521)	620.1 (495.4 , 784.3)	888645 (725229 , 1093517)	648.3 (535.6 , 793.8)	4.6 (0.1 , 10.3)
Southern Latin America	212016 (165906 , 278675)	475.3 (372.4 , 622.3)	348813 (291741 , 425439)	391.1 (328.2 , 476.3)	-17.7 (-25.2 , -8.5)
Argentine Republic	144409 (112881 , 189972)	462.6 (362.4 , 606.4)	194835 (169094 , 228621)	340.7 (296.2 , 399.8)	-26.3 (-38 , -11.7)
Republic of Chile	48779 (37923 , 63534)	518 (401.7 , 671.1)	127594 (98729 , 165412)	489.1 (379.6 , 632.2)	-5.6 (-9.4 , -1.7)
Eastern Republic of Uruguay	18817 (14625 , 24726)	474.5 (372.7 , 619.6)	26364 (20167 , 34763)	445.9 (345.5 , 579.2)	-6 (-10.2 , -1.2)
Eastern Europe	1601348 (1245865 , 2080668)	584.4 (455 , 753.2)	2327313 (1805306 , 3029889)	648.9 (507 , 836.3)	11 (9.5 , 12.8)
Republic of Belarus	71527 (55047 , 92982)	556.6 (429.9 , 719.2)	101036 (78621 , 132534)	620.6 (486.1 , 809.9)	11.5 (6.7 , 17.9)
Republic of Estonia	11240 (8653 , 14638)	544.4 (421.2 , 706.1)	17269 (13159 , 22327)	619.5 (480.9 , 800)	13.8 (8.7 , 20.1)
Republic of Latvia	18682 (14270 , 24444)	516.8 (396.1 , 673.2)	25774 (22299 , 29649)	629.6 (547.4 , 715)	21.8 (0.2 , 48.4)
Republic of Lithuania	25740 (19772 , 33473)	567.1 (437.5 , 735.8)	37996 (28984 , 48993)	634.2 (495 , 808.3)	11.8 (5.4 , 18.6)
Republic of Moldova	23013 (17873 , 30099)	551.4 (427.3 , 709.1)	37430 (28839 , 48105)	622.5 (480.7 , 796.5)	12.9 (7.6 , 19.3)
Russian Federation	1053310 (820702 , 1363643)	599.9 (467.2 , 774.3)	1639057 (1272601 , 2138452)	673.6 (526.1 , 872.3)	12.3 (11 , 13.6)

Ukraine	397837 (308635 , 521139)	559.6 (438.9 , 727.5)	468750 (362555 , 614415)	586.7 (457.7 , 760.2)	4.8 (0.1 , 9.9)
Central Europe	901372 (699705 , 1154305)	616.7 (478.1 , 790.3)	1585129 (1281858 , 1949452)	679 (554.3 , 827.2)	10.1 (3.5 , 18.5)
Republic of Albania	10877 (8359 , 13976)	576.5 (437.9 , 747.5)	26254 (20002 , 34169)	582.7 (445.9 , 753.9)	1.1 (-3.7 , 6.5)
Bosnia and Herzegovina	20194 (15626 , 26610)	551.7 (424.3 , 722.2)	36920 (28206 , 47883)	574.3 (442.7 , 741.1)	4.1 (-1.1 , 9.9)
Republic of Bulgaria	70573 (53726 , 92308)	580.3 (445 , 749.7)	86405 (64937 , 113573)	564.8 (430.7 , 735.5)	-2.7 (-8.1 , 2.8)
Republic of Croatia	22653 (19259 , 27369)	388.3 (328.3 , 464.1)	39620 (35576 , 44450)	420 (381.3 , 470.1)	8.2 (-4.4 , 21.7)
Czech Republic	93403 (71391 , 120323)	665.7 (510 , 854.6)	228258 (188006 , 254737)	981.5 (815.3 , 1089.6)	47.4 (19.4 , 88.4)
Hungary	101902 (76999 , 132894)	681.3 (519.8 , 880.6)	118850 (90414 , 156204)	574.7 (443.4 , 748.7)	-15.7 (-20 , -11.2)
Montenegro	3723 (2851 , 4875)	622.4 (474.2 , 809.1)	5917 (4506 , 7731)	597.8 (457.5 , 773.6)	-4 (-8.7 , 1.1)
North Macedonia	10256 (7924 , 13365)	593.6 (455.1 , 776.6)	18793 (14283 , 24572)	572.9 (435.6 , 741.4)	-3.5 (-9 , 1.5)
Republic of Poland	276686 (211770 , 358761)	640.4 (488.9 , 828.2)	648195 (491254 , 846914)	866.3 (664.5 , 1117.9)	35.3 (29.4 , 41.5)
Romania	153776 (118560 , 200226)	568.6 (435.3 , 734.2)	162826 (141283 , 191969)	412.6 (359.8 , 488)	-27.4 (-41.9 , -11.2)
Republic of Serbia	56918 (44033 , 74679)	549.7 (422.2 , 715.1)	70792 (59259 , 87626)	409.9 (345.2 , 506.9)	-25.4 (-38.9 , -12.7)

Slovak Republic	50960 (42632 , 58858)	848.6 (713.2 , 976.4)	90634 (74283 , 106522)	917.3 (758 , 1072.4)	8.1 (-0.7 , 16.3)
Republic of Slovenia	15036 (11602 , 19562)	610.8 (474 , 792.5)	28595 (25053 , 32065)	617.4 (543.7 , 691.9)	1.1 (-16 , 25.5)
Central Asia	222460 (171711 , 290357)	513.5 (395.6 , 667)	392829 (305783 , 509896)	536.7 (410.8 , 698.7)	4.5 (2.3 , 7.4)
Republic of Armenia	12536 (9693 , 16435)	507.8 (391.1 , 664.6)	24452 (18788 , 32257)	556.6 (424.7 , 729.8)	9.6 (4.9 , 14.4)
Republic of Azerbaijan	22683 (17563 , 29382)	501.7 (385.4 , 655.3)	48767 (38083 , 64570)	540.9 (415.4 , 701.5)	7.8 (3 , 13.5)
Georgia	33800 (25849 , 44479)	558.9 (425.9 , 728.4)	35412 (26991 , 46236)	568.7 (436.2 , 738.6)	1.8 (-2.5 , 6.4)
Republic of Kazakhstan	65048 (50303 , 84806)	562.8 (428.4 , 731.6)	96397 (74221 , 126067)	589.3 (453.4 , 768.6)	4.7 (0.2 , 10.2)
Kyrgyz Republic	13329 (10299 , 17484)	478.9 (366.5 , 626.6)	20779 (16256 , 27052)	491.2 (377.3 , 639.2)	2.6 (-2.3 , 7.4)
Mongolia	4854 (3718 , 6266)	507.7 (387.9 , 661.8)	10601 (8189 , 13897)	544.6 (413.5 , 704.4)	7.3 (2.2 , 13.1)
Republic of Tajikistan	11955 (9331 , 15431)	476.8 (369.2 , 619.1)	23850 (18509 , 31221)	489.5 (373.7 , 641.5)	2.7 (-1.8 , 7.9)
Turkmenistan	8444 (6460 , 11054)	501.7 (380.4 , 654.5)	19896 (15619 , 25583)	563.7 (432.8 , 729.2)	12.4 (7.2 , 18.6)
Republic of Uzbekistan	49809 (38683 , 65011)	460.4 (354.5 , 596.5)	112675 (87824 , 148398)	496.6 (380.6 , 651.6)	7.9 (2.4 , 14.4)
Central Latin America	524834 (413226 , 681703)	702.9 (548.2 , 911)	1711299 (1340757 , 2226156)	707 (552.6 , 921.1)	0.6 (-0.7 , 1.8)

Republic of Colombia	101960 (80303 , 132427)	648.4 (506.5 , 845.1)	361800 (282565 , 475575)	650.7 (508 , 853.9)	0.4 (-4.1 , 5.2)
Republic of Costa Rica	12283 (9603 , 15941)	740.3 (578.2 , 963.6)	39959 (31002 , 51910)	727.2 (561.5 , 946.4)	-1.8 (-6.1 , 2.5)
Republic of El Salvador	18470 (14488 , 24034)	654.1 (510.1 , 850.3)	42585 (33215 , 55380)	665.9 (520.5 , 865.3)	1.8 (-2.8 , 6)
Republic of Guatemala	17778 (13983 , 23674)	604.9 (470 , 790.5)	66296 (51813 , 86475)	636.3 (499.2 , 825.4)	5.2 (1.2 , 10.2)
Republic of Honduras	12036 (9402 , 15784)	659.3 (514 , 858.6)	37962 (29758 , 49433)	664.2 (516.7 , 857.8)	0.7 (-3.6 , 5.1)
United Mexican States	278511 (219192 , 361872)	732.3 (571.3 , 951.3)	899391 (705327 , 1167818)	746.5 (582.7 , 968)	1.9 (0.8 , 3.4)
Republic of Nicaragua	9056 (7066 , 11755)	657.6 (505.5 , 861.4)	30250 (23880 , 39026)	661.5 (516.8 , 851.3)	0.6 (-3.6 , 4.8)
Republic of Panama	9494 (7472 , 12317)	676.6 (528.1 , 881.8)	30751 (24204 , 39735)	691.1 (542.4 , 895.3)	2.1 (-2.7 , 6.1)
Bolivarian Republic of Venezuela	65247 (51221 , 84287)	743.1 (578.4 , 960.3)	202304 (158201 , 263377)	700.8 (544.8 , 906.4)	-5.7 (-9.8 , -2.1)
Andean Latin America	112466 (88857 , 146494)	599.9 (471.7 , 773.7)	371258 (290314 , 478820)	647.4 (505.2 , 835.5)	7.9 (5.2 , 10.7)
Plurinational State of Bolivia	16730 (13176 , 22025)	595.3 (464.6 , 775)	51917 (40535 , 67894)	622.3 (488.1 , 809.6)	4.5 (0.6 , 9.1)
Republic of Ecuador	29616 (23224 , 38669)	606.5 (471.2 , 785.9)	98459 (77061 , 128281)	615.7 (480.3 , 800.9)	1.5 (-3 , 6.7)
Republic of Peru	66121 (52636 , 86420)	597.6 (472.6 , 772.3)	220883 (171496 , 283755)	668.4 (516 , 860.2)	11.8 (7.4 , 17)

Caribbean	168732 (130817 , 218385)	677.5 (527.5 , 877.6)	367640 (289060 , 476682)	678.6 (533.4 , 881.1)	0.2 (-2.2 , 2.4)
Antigua and Barbuda	361 (277 , 468)	640.5 (500.2 , 831)	664 (518 , 869)	657.2 (512.5 , 858.3)	2.6 (-1.5 , 7)
Barbados	2085 (1592 , 2746)	667 (518.9 , 866.6)	3693 (2829 , 4833)	701.8 (540.7 , 913.6)	5.2 (0.4 , 10.1)
Belize	607 (476 , 781)	668.4 (523 , 861.1)	1881 (1485 , 2467)	693.4 (538.5 , 897.5)	3.7 (-0.6 , 8.3)
Bermuda	423 (328 , 552)	705.3 (550.9 , 914.8)	1007 (782 , 1312)	700.2 (547.5 , 909.6)	-0.7 (-4.9 , 3.5)
Commonwealth of the Bahamas	978 (767 , 1269)	691.1 (536.4 , 899.9)	2533 (1987 , 3335)	674.6 (529.3 , 883.9)	-2.4 (-6.4 , 2.1)
Republic of Cuba	69471 (53452 , 90480)	684.3 (530.3 , 890.3)	136060 (106604 , 175458)	671.4 (527.9 , 869.8)	-1.9 (-6.1 , 2.5)
Commonwealth of Dominica	389 (299 , 510)	651 (507.1 , 849.2)	544 (418 , 711)	668.9 (514.5 , 862)	2.7 (-1.7 , 7)
Dominican Republic	22177 (17125 , 29173)	662.5 (509.3 , 862.8)	64889 (50825 , 84248)	667.3 (520.9 , 869.6)	0.7 (-3.6 , 5.6)
Grenada	498 (382 , 652)	642.5 (501.4 , 833.7)	695 (538 , 916)	653.7 (506.5 , 851.9)	1.7 (-2.9 , 5.9)
Republic of Guyana	2254 (1769 , 2967)	671.4 (519.8 , 877.4)	3827 (2984 , 5099)	667.2 (519.5 , 874.3)	-0.6 (-4.9 , 3.6)
Republic of Haiti	17161 (13462 , 22578)	637.5 (497 , 823.2)	39243 (30771 , 51649)	654.1 (507 , 860.2)	2.6 (-2.1 , 7.4)
Jamaica	11880 (9135 , 15489)	647.5 (501.7 , 840.6)	21347 (16750 , 27574)	675.6 (527 , 877.9)	4.3 (-0.6 , 9.3)

Puerto Rico	25706 (19933 , 33640)	709.6 (552.9 , 924.7)	56494 (43078 , 73735)	715.1 (552.5 , 927.1)	0.8 (-3.2 , 5.8)
Saint Kitts and Nevis	253 (194 , 329)	653.4 (516.2 , 841.3)	406 (319 , 530)	657.9 (511.9 , 859.2)	0.7 (-3.7 , 5.7)
Saint Lucia	583 (447 , 760)	688.4 (532.6 , 895.2)	1618 (1260 , 2099)	680.6 (528.5 , 880.9)	-1.1 (-5.2 , 4)
Saint Vincent and the Grenadines	443 (341 , 581)	631.8 (489.8 , 823.8)	939 (732 , 1231)	670.6 (523.3 , 876.3)	6.1 (1.2 , 10.8)
Republic of Suriname	1552 (1216 , 2030)	662.2 (514.7 , 863.3)	3954 (3098 , 5171)	651.2 (508.2 , 840.3)	-1.7 (-6.2 , 2.7)
Republic of Trinidad and Tobago	5672 (4370 , 7442)	710.1 (551.1 , 922.5)	14037 (10919 , 18399)	732.6 (568 , 954.2)	3.2 (-1.2 , 7.7)
United States Virgin Islands	525 (409 , 695)	695 (537.9 , 902.9)	1367 (1038 , 1806)	711 (550.8 , 926.1)	2.3 (-1.9 , 6.9)
Tropical Latin America	661730 (521046 , 861787)	802.5 (631.1 , 1040.5)	2004719 (1580577 , 2599905)	794.8 (625.6 , 1025.2)	-1 (-2.4 , 0.8)
Federative Republic of Brazil	644967 (507649 , 839852)	802.8 (631.4 , 1041.1)	1961680 (1546310 , 2544332)	795.3 (626.2 , 1025.7)	-0.9 (-2.4 , 0.9)
Republic of Paraguay	16763 (13141 , 21472)	797.1 (624.6 , 1027.5)	43040 (33767 , 55877)	769.3 (602.5 , 992.6)	-3.5 (-7.5 , 1)
East Asia	3359584 (2649140 , 4376801)	462.7 (363.3 , 601)	11215165 (8885909 , 14572495)	526.4 (420.6 , 683.6)	13.8 (10.2 , 17.8)
People's Republic of China	3195309 (2518983 , 4168290)	457.7 (358.9 , 595)	10775721 (8531627 , 14014036)	524 (418.1 , 681.2)	14.5 (10.8 , 18.8)
Democratic People's Republic of Korea	73282 (57655 , 93865)	534 (422.6 , 695.5)	166218 (132256 , 214516)	532.4 (422.7 , 687.4)	-0.3 (-4.8 , 4.5)

Taiwan (Province of China)	90993 (73354 , 115877)	645.3 (520.9 , 815.9)	273226 (222314 , 341516)	629.8 (513.3 , 784.2)	-2.4 (-8.3 , 4.1)
Southeast Asia	1377746 (1089207 , 1799890)	637.2 (502 , 823.9)	3898608 (3091004 , 5118881)	662.3 (519.6 , 854.4)	3.9 (2.7 , 5.3)
Kingdom of Cambodia	20822 (16350 , 27382)	562.6 (441.7 , 725.5)	61483 (48621 , 81182)	578.6 (457.2 , 751.3)	2.8 (-0.3 , 6.5)
Republic of Indonesia	560360 (442858 , 730937)	700.6 (547.2 , 905.7)	1474160 (1152713 , 1922564)	728.2 (569.7 , 942.3)	3.9 (2.4 , 5.7)
Lao People's Democratic Republic	9988 (7851 , 13152)	587.2 (457.7 , 766.1)	23869 (18913 , 31406)	605.1 (475.9 , 782.3)	3 (-1.2 , 7.1)
Malaysia	52682 (42117 , 68276)	631.3 (495.3 , 821.1)	174176 (137798 , 228296)	673.2 (526.9 , 873)	6.6 (2 , 10.8)
Republic of Maldives	424 (329 , 553)	601.5 (471.5 , 786.4)	1871 (1497 , 2409)	619.1 (486.1 , 803.1)	2.9 (-2.2 , 8.2)
Republic of Mauritius	3919 (3071 , 5108)	621.5 (488.1 , 813.7)	11425 (8978 , 15014)	642.4 (500.8 , 837.3)	3.4 (-1.1 , 7.7)
Republic of the Union of Myanmar	118341 (93009 , 156133)	613.9 (479.1 , 797.7)	267795 (211909 , 352206)	614.4 (480.4 , 795.8)	0.1 (-4 , 4.7)
Republic of the Philippines	160947 (126928 , 211314)	648.7 (510.6 , 837.6)	466916 (369507 , 610795)	653.7 (513.1 , 843.1)	0.8 (0.1 , 1.8)
Democratic Socialist Republic of Sri Lanka	55986 (44216 , 73510)	600.3 (472.2 , 777.4)	163229 (128662 , 213322)	632.2 (494.6 , 817.1)	5.3 (1.3 , 9.5)
Republic of Seychelles	354 (278 , 458)	630.7 (495.4 , 812.4)	696 (551 , 905)	644.8 (506.5 , 834)	2.2 (-2 , 6.7)
Kingdom of Thailand	176405 (139408 , 229043)	577.2 (454.3 , 745.4)	661374 (516881 , 864805)	603.8 (470.5 , 784.5)	4.6 (0.4 , 8.9)

Democratic Republic of Timor-Leste	1280 (1023 , 1638)	585.9 (462.5 , 761.8)	4680 (3685 , 6092)	605.8 (476.4 , 787)	3.4 (-1.8 , 9.2)
Socialist Republic of Viet Nam	214245 (169209 , 280476)	582 (454.9 , 753.1)	581496 (457784 , 771131)	644.9 (502.7 , 844.1)	10.8 (5.9 , 15.7)
Oceania	12769 (10040 , 16711)	558.2 (439.2 , 726.9)	34994 (27519 , 45179)	578.4 (455.2 , 750.2)	3.6 (0.9 , 7)
American Samoa	113 (89 , 149)	620 (485.4 , 805.6)	289 (229 , 380)	672.6 (528.5 , 875.1)	8.5 (3.9 , 12.9)
Cook Islands	65 (51 , 87)	595.7 (462.2 , 769.2)	178 (138 , 232)	683.5 (533.2 , 886.9)	14.7 (10.1 , 20)
Federated States of Micronesia	242 (191 , 315)	574.8 (450.1 , 745.6)	353 (275 , 461)	586.7 (458.5 , 759.7)	2.1 (-2.4 , 5.9)
Republic of Fiji	1737 (1367 , 2298)	607.5 (474.8 , 789.9)	4434 (3483 , 5800)	677 (527.9 , 884.3)	11.4 (5.9 , 16.4)
Guam	369 (289 , 473)	597.1 (469.3 , 773.7)	1453 (1138 , 1871)	672.2 (525.8 , 866.8)	12.6 (8.2 , 17.5)
Republic of Kiribati	170 (133 , 221)	577.3 (450.6 , 748.8)	347 (272 , 457)	598.5 (466.2 , 771.4)	3.7 (-0.4 , 8.2)
Republic of the Marshall Islands	73 (57 , 93)	543.5 (423.7 , 699.5)	157 (122 , 206)	578.2 (451.6 , 751.3)	6.4 (2.5 , 12)
Republic of Nauru	23 (18 , 30)	642.5 (498.2 , 838)	31 (25 , 40)	671.4 (528.4 , 874)	4.5 (-0.1 , 10.3)
Republic of Niue	14 (11 , 19)	616.2 (483.3 , 798.4)	14 (11 , 19)	677.6 (531.4 , 878.2)	10 (5.5 , 14.8)
Northern Mariana Islands	82 (64 , 104)	633.2 (496.4 , 821.9)	294 (229 , 378)	662.4 (515.4 , 853)	4.6 (0.3 , 9.7)

Republic of Palau	49 (39 , 65)	585 (458.1 , 756.2)	125 (98 , 163)	646.5 (506.7 , 842.1)	10.5 (6.3 , 14.7)
Independent State of Papua New Guinea	7335 (5716 , 9600)	532.9 (418.5 , 697.5)	21815 (17006 , 28137)	543.7 (426.9 , 705.9)	2 (-1.8 , 7)
Independent State of Samoa	451 (356 , 591)	612.9 (479.1 , 796.9)	825 (649 , 1086)	637.4 (497.4 , 825)	4 (-0.2 , 8.2)
Solomon Islands	583 (457 , 752)	551.7 (429.3 , 719.6)	1594 (1258 , 2087)	568.3 (443.6 , 747.8)	3 (-0.9 , 7.5)
Tokelau	7 (6 , 9)	559.8 (436.4 , 722.7)	9 (7 , 12)	629.6 (494.1 , 812.6)	12.5 (7.6 , 18)
Kingdom of Tonga	292 (231 , 381)	600.1 (471 , 773.7)	507 (400 , 655)	654.8 (516.1 , 842.1)	9.1 (4.3 , 13.4)
Tuvalu	30 (24 , 40)	548.7 (433.8 , 708.2)	57 (45 , 75)	609.1 (478.1 , 796.7)	11 (7 , 15.8)
Republic of Vanuatu	318 (247 , 418)	643.7 (500.2 , 835.5)	942 (739 , 1229)	658.6 (516.5 , 852.9)	2.3 (-1.8 , 6.9)
North Africa and Middle East	474266 (369341 , 613686)	345.9 (267 , 451.6)	1417367 (1140557 , 1788911)	366.9 (291.6 , 468.4)	6.1 (2.2 , 10.4)
Islamic Republic of Afghanistan	17747 (13622 , 23160)	312.8 (240.1 , 412.3)	25639 (19701 , 33184)	338.8 (257.5 , 442.8)	8.3 (3.9 , 13.1)
People's Democratic Republic of Algeria	34903 (26341 , 46477)	350.3 (265.2 , 464.7)	116519 (89354 , 153163)	376.7 (287 , 499.1)	7.5 (2.9 , 13.7)
Kingdom of Bahrain	462 (356 , 611)	361.4 (274.6 , 473.5)	2667 (2055 , 3468)	386.7 (293.8 , 505.6)	7 (1.8 , 11.5)
Arab Republic of Egypt	67055 (51335 , 87638)	333.8 (255.5 , 434.8)	184697 (143378 , 239672)	393 (297.7 , 514.2)	17.7 (12.2 , 24)

Islamic Republic of Iran	75833 (58814 , 99095)	386 (296.2 , 507.6)	294249 (230024 , 382166)	425.4 (327.2 , 559.2)	10.2 (8.6 , 11.7)
Republic of Iraq	26906 (20773 , 34733)	373.4 (285 , 485.8)	78701 (61203 , 102060)	406.1 (308.5 , 532)	8.8 (3.7 , 14.3)
Hashemite Kingdom of Jordan	3649 (2816 , 4743)	354.2 (268.4 , 466.1)	23983 (18451 , 31112)	396.6 (300.6 , 520.3)	12 (7.5 , 18.1)
State of Kuwait	1721 (1337 , 2199)	369.8 (282.8 , 483.4)	9836 (7697 , 12638)	408.1 (310.6 , 530.2)	10.3 (4.9 , 14.9)
Lebanese Republic	6336 (4939 , 8255)	342.3 (261.2 , 444.6)	24591 (18725 , 32516)	387.1 (298.5 , 511.1)	13.1 (7.2 , 18.4)
State of Libya	6061 (4645 , 7875)	367.3 (276.5 , 479.7)	17554 (13696 , 22623)	398.3 (304.8 , 518.5)	8.4 (3.3 , 13.7)
Kingdom of Morocco	45335 (34423 , 58980)	360.2 (273.2 , 470.7)	117079 (89916 , 151800)	383.3 (292.5 , 506)	6.4 (1.7 , 11.3)
Palestine	2437 (1859 , 3179)	323.2 (245 , 422.7)	7197 (5525 , 9405)	347.4 (265.2 , 454)	7.5 (3 , 12.1)
Sultanate of Oman	1615 (1248 , 2101)	292.9 (225.1 , 380.8)	5827 (4557 , 7637)	365.3 (276.4 , 482.9)	24.7 (18 , 30.3)
State of Qatar	298 (228 , 389)	363.5 (278.2 , 475.5)	3005 (2251 , 3953)	402.6 (305.8 , 529.3)	10.8 (5.6 , 15.8)
Kingdom of Saudi Arabia	15737 (12130 , 20450)	330.7 (250.3 , 435.2)	54167 (42125 , 71479)	391.9 (301.9 , 511.7)	18.5 (13.7 , 25)
Republic of Sudan	26219 (19909 , 34245)	336.4 (256.3 , 438.2)	63916 (49242 , 83110)	394.5 (298.4 , 515.7)	17.3 (11.9 , 23.2)
Syrian Arab Republic	15095 (11605 , 19661)	348.4 (264 , 453.9)	41606 (32220 , 54570)	377.8 (288.1 , 497.3)	8.5 (3.9 , 12.8)

Republic of Tunisia	14175 (10853 , 18659)	335.7 (257.8 , 444.2)	45069 (34412 , 58372)	365 (276.8 , 471.6)	8.7 (4.5 , 13.7)
Republic of Turkey	99437 (77991 , 127594)	332.7 (262.1 , 425.5)	247837 (221168 , 275262)	282.9 (252.2 , 314.7)	-15 (-30.8 , 3.6)
United Arab Emirates	1294 (990 , 1674)	381.7 (289.4 , 495)	13475 (9821 , 18266)	424.7 (326.5 , 554.8)	11.3 (6.2 , 16.8)
Republic of Yemen	11693 (8974 , 15102)	307.4 (234.1 , 401.1)	38432 (29592 , 49671)	337.2 (255.8 , 443.6)	9.7 (4.9 , 16.2)
South Asia	2357498 (1827475 , 3099820)	519.5 (401.9 , 683.9)	6882583 (5295961 , 9026139)	530.9 (410.2 , 696.7)	2.2 (1.2 , 3.1)
People's Republic of Bangladesh	190657 (146465 , 248663)	472 (362.3 , 621.6)	623060 (480696 , 812961)	494.7 (380.7 , 643.9)	4.8 (0.2 , 9.5)
Kingdom of Bhutan	864 (668 , 1134)	467.2 (356.2 , 613)	2770 (2170 , 3630)	492.9 (384.1 , 647.5)	5.5 (0.9 , 10.2)
Republic of India	1860594 (1442729 , 2458704)	521.3 (402.6 , 685.1)	5612366 (4314558 , 7360330)	533.9 (412.7 , 700)	2.4 (1.3 , 3.4)
Federal Democratic Republic of Nepal	34654 (26729 , 45519)	471.8 (362.9 , 619.6)	96213 (73203 , 125250)	471.7 (359.9 , 618.9)	0 (-4.3 , 4.3)
Islamic Republic of Pakistan	270729 (206528 , 355785)	554.7 (429.4 , 728.7)	548174 (427141 , 726637)	558.6 (429.5 , 735.7)	0.7 (-2.6 , 4)
Southern Sub-Saharan Africa	121142 (94906 , 158838)	510.1 (398.2 , 662.2)	258590 (201941 , 342437)	512.8 (398.2 , 671)	0.5 (-1.3 , 2.3)
Republic of Botswana	1971 (1525 , 2589)	436 (337.4 , 570.8)	5721 (4459 , 7586)	467.2 (359.4 , 611)	7.2 (3.6 , 11.5)
Kingdom of Lesotho	3040 (2351 , 3994)	403.5 (311.5 , 530.5)	3809 (2967 , 5053)	423.7 (327.6 , 555.2)	5 (1.2 , 9.5)

Republic of Namibia	2284 (1755 , 2994)	432.2 (335.3 , 566.5)	5143 (3995 , 6875)	443.9 (340.4 , 581.3)	2.7 (-1.7 , 7.4)
Republic of South Africa	98210 (77197 , 127867)	532.2 (414.7 , 693.4)	217357 (169171 , 286785)	526.2 (408.3 , 689.9)	-1.1 (-3 , 0.8)
Kingdom of Eswatini	1042 (813 , 1372)	445.5 (345.5 , 584.2)	2108 (1632 , 2790)	468.8 (364.7 , 615.2)	5.2 (0.9 , 9.3)
Republic of Zimbabwe	14595 (11343 , 19291)	430.4 (334.6 , 559.3)	24452 (18907 , 32514)	445 (344.7 , 580.9)	3.4 (-0.5 , 7.4)
Western Sub-Saharan Africa	295505 (230745 , 390715)	393.3 (306 , 515.7)	716915 (561805 , 945355)	434.8 (339.5 , 567.1)	10.6 (9.5 , 11.6)
Republic of Benin	6795 (5253 , 8934)	377.4 (290.6 , 494)	17562 (13735 , 23147)	396.5 (308.8 , 521)	5.1 (0.1 , 9.7)
Burkina Faso	13882 (10757 , 18200)	377.8 (293.8 , 494.4)	31626 (24731 , 41910)	397.2 (311.4 , 519)	5.1 (1.1 , 10.4)
Republic of Cameroon	14149 (10972 , 18719)	381.7 (293.6 , 497.9)	45126 (35031 , 58573)	432.9 (335.4 , 563.7)	13.4 (9.1 , 19.2)
Republic of Cabo Verde	943 (728 , 1248)	397.4 (310.1 , 520.1)	1754 (1380 , 2302)	419.7 (323.1 , 551.7)	5.6 (1.1 , 10.8)
Republic of Chad	9335 (7171 , 12424)	366 (283.5 , 480.6)	18475 (14434 , 24478)	383.7 (298.2 , 504.5)	4.8 (0.2 , 9.3)
Republic of CÃ´te d'Ivoire	12409 (9635 , 16308)	402.3 (310.6 , 527.5)	38549 (30111 , 50565)	424.4 (328.8 , 553.7)	5.5 (0.6 , 10.5)
Republic of the Gambia	1153 (900 , 1502)	394.3 (307.8 , 516.7)	3491 (2752 , 4643)	411.4 (317.6 , 536.5)	4.3 (-0.2 , 8.9)
Republic of Ghana	20084 (15703 , 26388)	392.9 (306 , 515.1)	60669 (47244 , 80034)	432.4 (334.3 , 567.2)	10 (5.6 , 13.9)

Republic of Guinea	11006 (8485 , 14476)	370.5 (286.6 , 484.7)	19024 (14744 , 25081)	387.6 (300.5 , 506.2)	4.6 (-0.1 , 9.1)
Republic of Guinea-Bissau	1218 (950 , 1606)	379.4 (293.7 , 497.7)	2225 (1727 , 2948)	394.7 (304.4 , 521.6)	4 (-0.2 , 8.3)
Republic of Liberia	4038 (3146 , 5396)	397.4 (308.6 , 524.8)	7117 (5638 , 9316)	408.9 (317.2 , 535.4)	2.9 (-2 , 7.8)
Republic of Mali	11800 (9185 , 15919)	363.1 (281.7 , 476.4)	28145 (22007 , 37160)	385 (298.1 , 507.1)	6 (2 , 10.4)
Islamic Republic of Mauritania	3395 (2607 , 4514)	383.2 (295.6 , 505.2)	8034 (6250 , 10647)	419.1 (324.2 , 548.1)	9.4 (4.7 , 14.2)
Republic of the Niger	8171 (6367 , 10826)	368.6 (285.6 , 485.7)	25954 (20174 , 34414)	383.6 (295.9 , 504.6)	4.1 (0.4 , 7.8)
Federal Republic of Nigeria	153286 (119379 , 203690)	399.7 (311 , 524)	353475 (278100 , 466330)	461.7 (359 , 602.3)	15.5 (14.2 , 16.9)
Democratic Republic of Sao Tome and Principe	234 (182 , 309)	391 (302 , 510.5)	413 (324 , 548)	431.6 (332.5 , 560.8)	10.4 (4.6 , 15.6)
Republic of Senegal	11310 (8799 , 15063)	404.1 (315 , 526.9)	28239 (22128 , 37630)	416.6 (324 , 545.1)	3.1 (-2.5 , 7.9)
Republic of Sierra Leone	8193 (6376 , 10749)	441.7 (342.9 , 578.1)	14273 (11176 , 18823)	438.4 (341 , 578.7)	-0.7 (-4.6 , 3.4)
Togolese Republic	4094 (3207 , 5424)	403.3 (311.7 , 529.9)	12756 (9931 , 16740)	411.7 (322.3 , 540.7)	2.1 (-1.8 , 7.1)
Eastern Sub-Saharan Africa	253297 (198232 , 333959)	407.6 (320.7 , 534.4)	645690 (507531 , 839253)	448.8 (354.1 , 589.5)	10.1 (8.4 , 11.9)
Republic of Burundi	8282 (6487 , 10976)	408 (320.5 , 537)	17035 (13278 , 22301)	418.9 (326.9 , 552.3)	2.7 (-2 , 7.5)

Union of the Comoros	655 (509 , 868)	395.8 (309.2 , 515.7)	1811 (1415 , 2366)	415.6 (326.2 , 548.4)	5 (0.3 , 9.7)
Republic of Djibouti	416 (324 , 545)	388.3 (306 , 508.9)	2213 (1710 , 2891)	424.6 (335.8 , 555.3)	9.4 (5.2 , 14.3)
State of Eritrea	3091 (2340 , 4067)	371.4 (292.9 , 487.1)	8704 (6755 , 11290)	391.8 (304.4 , 516.9)	5.5 (-0.1 , 10.6)
Federal Democratic Republic of Ethiopia	63428 (49352 , 84190)	406 (319.4 , 532.8)	184880 (146237 , 239761)	480 (377.5 , 630.3)	18.2 (14.6 , 22)
Republic of Kenya	32479 (25576 , 42395)	456 (357.6 , 595.6)	90501 (71144 , 118517)	467 (366.9 , 610)	2.4 (1.7 , 3.1)
Republic of Madagascar	16984 (13349 , 22344)	391.9 (308.5 , 517)	37729 (29479 , 49128)	417.2 (327.3 , 548.4)	6.5 (2.4 , 10.9)
Republic of Malawi	13014 (10145 , 17325)	406.1 (318.5 , 530.8)	27955 (21964 , 36667)	445.4 (350.1 , 586.1)	9.7 (5.1 , 15.4)
Republic of Mozambique	20053 (15801 , 26456)	397.8 (310.6 , 525.5)	39677 (30931 , 51541)	428 (333.8 , 561.4)	7.6 (3.6 , 12.7)
Republic of Rwanda	9685 (7590 , 12457)	414.7 (326 , 538.6)	23218 (18165 , 30751)	431.1 (337 , 563.8)	3.9 (-0.3 , 9.3)
Federal Republic of Somalia	6910 (5439 , 8954)	374.4 (294.5 , 490)	18687 (14347 , 24314)	392 (308.4 , 516.9)	4.7 (0.3 , 9.8)
Republic of South Sudan	8739 (6834 , 11524)	388.8 (305 , 513.4)	13605 (10696 , 17831)	423.3 (332 , 554.8)	8.9 (4.7 , 14.1)
United Republic of Tanzania	36073 (28046 , 47724)	387.7 (303.9 , 510.7)	99864 (78447 , 132449)	445.2 (349.9 , 586.1)	14.8 (10.1 , 21.5)
Republic of Uganda	24063 (18872 , 31962)	432 (338.7 , 567.7)	55891 (43879 , 73062)	442.5 (347.6 , 586.1)	2.4 (-1.6 , 7.3)

Republic of Zambia	9243 (7217 , 12053)	387.5 (304.2 , 508.4)	23356 (18374 , 30162)	404.9 (320.5 , 528.6)	4.5 (0.6 , 9.6)
Central Sub-Saharan Africa	73688 (57051 , 95882)	427.1 (330.9 , 558.1)	182594 (142529 , 241993)	424.6 (332 , 559.7)	-0.6 (-3.3 , 2.5)
Republic of Angola	12292 (9545 , 16176)	420 (324.8 , 550.6)	41399 (32326 , 54332)	452.1 (354.1 , 588.6)	7.6 (2.8 , 12.5)
Central African Republic	3545 (2742 , 4677)	416.3 (320.8 , 545.5)	6761 (5202 , 8922)	416.3 (325.1 , 546.1)	0 (-4.7 , 4.8)
Republic of the Congo	3685 (2852 , 4857)	433.7 (337.4 , 567.6)	9845 (7730 , 12833)	462.4 (360.8 , 600.1)	6.6 (2.4 , 11.6)
Democratic Republic of the Congo	51338 (39752 , 66862)	429.1 (331.7 , 559.2)	118526 (92188 , 158139)	411.4 (320.3 , 546.5)	-4.1 (-8 , -0.4)
Republic of Equatorial Guinea	634 (492 , 835)	413.2 (321.2 , 541.7)	1997 (1582 , 2592)	487.7 (375.9 , 633.9)	18 (12.4 , 22.8)
Gabonese Republic	2194 (1700 , 2905)	433 (334.1 , 567.2)	4065 (3180 , 5323)	465.3 (360.3 , 610.1)	7.5 (3 , 13.1)

Table S3: Deaths due to atrial fibrillation and flutter in 1990 and 2021, and the percentage change in the age-standardised rates (ASRs) per 100,000 by location (Generated from data available from http://ghdx.healthdata.org/gbd-results-tool)					
	1990		2021		Percentage change in ASRs per 100,000
	No (95% UI)	ASRs per 100,000 (95% UI)	No (95% UI)	ASRs per 100,000 (95% UI)	
Global	114540 (101326 , 127155)	4.2 (3.7 , 4.7)	338947 (288954 , 368613)	4.4 (3.7 , 4.8)	2.9 (-6 , 12.3)
High-income North America	14544 (12556 , 15549)	4 (3.4 , 4.2)	39066 (32116 , 42759)	5.1 (4.3 , 5.6)	30 (24.6 , 34.4)
Canada	1498 (1339 , 1591)	4.9 (4.3 , 5.2)	3777 (3164 , 4143)	4.3 (3.6 , 4.7)	-11.9 (-17.8 , -6.9)
Greenland	2 (1 , 2)	9.4 (7.4 , 10.9)	3 (2 , 4)	7.4 (5.6 , 9.3)	-21.9 (-37.3 , -2.1)
United States of America	13044 (11221 , 13964)	3.9 (3.3 , 4.2)	35285 (28993 , 38677)	5.3 (4.4 , 5.7)	35.6 (30.2 , 40.1)
Australasia	1436 (1281 , 1525)	7 (6.2 , 7.5)	4337 (3529 , 4789)	6.6 (5.4 , 7.3)	-5.9 (-12.7 , 0)
Australia	1155 (1033 , 1227)	6.8 (6 , 7.2)	3608 (2927 , 3990)	6.4 (5.2 , 7.1)	-5.4 (-12.5 , 0.9)
New Zealand	281 (246 , 300)	8 (6.9 , 8.6)	729 (593 , 805)	7.5 (6.1 , 8.3)	-6 (-12.7 , 0)
High-income Asia Pacific	5018 (4465 , 5373)	3.1 (2.7 , 3.3)	17112 (13415 , 19331)	2.5 (2 , 2.7)	-19.6 (-28.3 , -13.8)
Brunei Darussalam	5 (4 , 6)	7.2 (5.3 , 9.3)	12 (10 , 13)	6.2 (5.2 , 7.4)	-13 (-32 , 19)

Japan	4429 (3883 , 4699)	3 (2.6 , 3.2)	13837 (10679 , 15687)	2.3 (1.9 , 2.6)	-23.5 (-29.4 , -19.6)
Republic of Singapore	32 (29 , 33)	1.9 (1.8 , 2)	99 (84 , 108)	1.2 (1 , 1.3)	-37 (-42.9 , -32.4)
Republic of Korea	553 (422 , 873)	3.4 (2.6 , 5.2)	3165 (2356 , 3785)	3.5 (2.6 , 4.2)	3.6 (-50 , 45.8)
Western Europe	31335 (27682 , 33261)	5.4 (4.8 , 5.8)	72184 (58846 , 79292)	5.5 (4.6 , 6)	1.8 (-4.6 , 6.1)
Principality of Andorra	2 (1 , 3)	4.8 (3.4 , 6.9)	7 (5 , 9)	3.7 (2.6 , 4.8)	-23.6 (-48.9 , 11.1)
Republic of Austria	659 (592 , 698)	5.5 (4.9 , 5.9)	1651 (1349 , 1818)	6.8 (5.6 , 7.4)	21.7 (11.9 , 29)
Kingdom of Belgium	694 (605 , 747)	4.6 (3.9 , 4.9)	1396 (1088 , 1557)	4.2 (3.4 , 4.7)	-7.8 (-15.3 , -2.4)
Republic of Cyprus	59 (40 , 78)	14.1 (9.6 , 19.1)	123 (102 , 143)	8.4 (6.8 , 9.9)	-40.7 (-56.4 , -12.8)
Kingdom of Denmark	416 (373 , 453)	4.7 (4.2 , 5.1)	874 (741 , 955)	6.1 (5.2 , 6.6)	28 (18.3 , 36.6)
Republic of Finland	545 (466 , 595)	7.8 (6.6 , 8.5)	794 (645 , 877)	4.7 (3.9 , 5.1)	-39.8 (-44.9 , -35)
French Republic	4923 (4382 , 5224)	5.5 (4.9 , 5.8)	9758 (8012 , 10779)	4.5 (3.8 , 5)	-17.7 (-23.9 , -12.6)
Federal Republic of Germany	8302 (7144 , 9077)	6.4 (5.5 , 7)	20539 (16509 , 22874)	7.8 (6.4 , 8.7)	22.3 (10.7 , 33.3)
Hellenic Republic	590 (529 , 621)	4.5 (4 , 4.8)	1527 (1272 , 1673)	4.3 (3.6 , 4.6)	-5.7 (-11.1 , -0.9)

Republic of Iceland	18 (15 , 19)	5.6 (4.9 , 6)	51 (40 , 58)	6.8 (5.5 , 7.7)	21.6 (10.4 , 32.6)
Ireland	220 (200 , 231)	6.1 (5.4 , 6.4)	456 (371 , 510)	5.2 (4.2 , 5.8)	-14.3 (-24 , -7)
State of Israel	256 (228 , 273)	6.3 (5.5 , 6.8)	714 (580 , 794)	4.8 (4 , 5.4)	-23.3 (-29.8 , -17.6)
Republic of Italy	3323 (2852 , 3560)	4.1 (3.5 , 4.4)	9825 (7691 , 11040)	4.5 (3.6 , 5.1)	10.5 (3.3 , 15.9)
Grand Duchy of Luxembourg	33 (31 , 35)	6.6 (6.1 , 7)	83 (70 , 92)	6.3 (5.4 , 7)	-4.8 (-13.7 , 3.9)
Republic of Malta	19 (17 , 20)	5.3 (4.7 , 5.6)	58 (47 , 66)	4.9 (4 , 5.5)	-7.5 (-16.4 , 1.4)
Principality of Monaco	4 (3 , 5)	4.3 (3.2 , 5.4)	6 (4 , 7)	4.4 (3.3 , 5.5)	0.3 (-24.9 , 40.1)
Kingdom of the Netherlands	1399 (1213 , 1507)	7 (6 , 7.6)	2501 (2084 , 2738)	6 (5 , 6.6)	-14.1 (-18.4 , -10.2)
Kingdom of Norway	491 (431 , 522)	6.3 (5.5 , 6.7)	778 (629 , 857)	5.9 (4.9 , 6.5)	-5.4 (-11.2 , -1.2)
Portuguese Republic	507 (462 , 531)	4.7 (4.2 , 4.9)	1173 (969 , 1288)	3.5 (2.9 , 3.8)	-26.2 (-32.2 , -21.7)
Republic of San Marino	2 (2 , 3)	5.9 (4.8 , 7)	4 (2 , 5)	3 (2 , 4.3)	-48.9 (-64.2 , -24.3)
Kingdom of Spain	2611 (2310 , 2779)	5.2 (4.6 , 5.6)	6767 (5396 , 7550)	4.5 (3.7 , 5)	-12.7 (-20.4 , -6.7)
Kingdom of Sweden	839 (737 , 898)	4.9 (4.3 , 5.2)	2851 (2296 , 3193)	9.5 (7.7 , 10.6)	93.3 (77.5 , 108)

Swiss Confederation	317 (271 , 346)	2.7 (2.3 , 3)	773 (609 , 867)	3 (2.4 , 3.3)	9.2 (-0.4 , 19.6)
United Kingdom of Great Britain and Northern Ireland	5083 (4544 , 5338)	5.5 (4.8 , 5.8)	9412 (7868 , 10176)	5.7 (4.8 , 6.1)	4.3 (-0.7 , 7.3)
Southern Latin America	1317 (1195 , 1407)	3.6 (3.2 , 3.9)	3299 (2853 , 3562)	3.5 (3.1 , 3.8)	-2.2 (-9.6 , 2.8)
Argentine Republic	946 (851 , 1019)	3.7 (3.3 , 4.1)	2027 (1752 , 2197)	3.4 (3 , 3.7)	-8.9 (-16.3 , -3.6)
Republic of Chile	254 (236 , 266)	3.3 (3 , 3.5)	995 (851 , 1075)	3.7 (3.2 , 4)	13.1 (4.7 , 19.2)
Eastern Republic of Uruguay	117 (105 , 126)	3.2 (2.9 , 3.5)	277 (235 , 301)	3.8 (3.2 , 4.1)	17 (8.1 , 24.1)
Eastern Europe	8133 (7308 , 8953)	3.9 (3.4 , 4.3)	15697 (14042 , 17056)	4.3 (3.9 , 4.7)	11.8 (-1.4 , 26.4)
Republic of Belarus	415 (354 , 477)	3.6 (3.1 , 4.2)	677 (566 , 781)	4.1 (3.4 , 4.7)	11.6 (-9.4 , 35.5)
Republic of Estonia	70 (64 , 77)	4 (3.6 , 4.3)	190 (161 , 212)	5.3 (4.5 , 6)	35 (19.5 , 51.7)
Republic of Latvia	122 (112 , 129)	3.7 (3.4 , 4)	226 (194 , 250)	4.5 (3.9 , 5)	19.8 (7.6 , 31.8)
Republic of Lithuania	154 (138 , 170)	3.7 (3.3 , 4)	328 (288 , 363)	4.5 (4 , 5)	23.3 (8.4 , 39.7)
Republic of Moldova	108 (99 , 116)	4 (3.7 , 4.2)	215 (189 , 238)	3.5 (3.1 , 3.9)	-11.6 (-20.4 , -3)
Russian Federation	5109 (4515 , 5816)	3.9 (3.4 , 4.5)	10825 (9597 , 11704)	4.4 (3.9 , 4.8)	13.1 (-3.8 , 29.4)

Ukraine	2156 (1971 , 2362)	3.8 (3.5 , 4.2)	3236 (2489 , 4051)	4.1 (3.2 , 5.1)	6.6 (-15.7 , 35.2)
Central Europe	5931 (5508 , 6253)	5.1 (4.7 , 5.4)	11104 (9859 , 11914)	4.5 (4 , 4.9)	-10.9 (-16.9 , -3.7)
Republic of Albania	59 (51 , 69)	4 (3.4 , 4.6)	181 (132 , 229)	4.7 (3.4 , 6)	17.6 (-13.3 , 51.5)
Bosnia and Herzegovina	91 (72 , 110)	3.2 (2.5 , 3.9)	258 (207 , 309)	4.1 (3.3 , 4.9)	27 (-3.3 , 70.3)
Republic of Bulgaria	393 (346 , 449)	5.5 (4.9 , 6.2)	902 (786 , 1026)	6.2 (5.4 , 7)	12.1 (-6.4 , 34.2)
Republic of Croatia	142 (132 , 150)	3 (2.8 , 3.2)	363 (319 , 401)	3.5 (3.1 , 3.9)	16.1 (4.9 , 28)
Czech Republic	505 (473 , 532)	4.1 (3.8 , 4.3)	1123 (973 , 1237)	4.7 (4.1 , 5.2)	14.5 (3.4 , 25.2)
Hungary	528 (494 , 563)	4.3 (4 , 4.6)	796 (678 , 894)	3.5 (3 , 4)	-18.2 (-28.1 , -8.6)
Montenegro	61 (52 , 78)	11.3 (9.5 , 14.4)	133 (107 , 163)	17.3 (13.4 , 21.4)	52.5 (9.5 , 104)
North Macedonia	64 (54 , 77)	4.4 (3.7 , 5.3)	149 (110 , 214)	7.5 (5.8 , 9.5)	68.9 (25.7 , 112)
Republic of Poland	2503 (2303 , 2671)	6.8 (6.2 , 7.2)	4021 (3480 , 4421)	5 (4.3 , 5.5)	-27.1 (-33.9 , -20.8)
Romania	674 (625 , 726)	3.6 (3.3 , 3.8)	1429 (1263 , 1586)	3.4 (3 , 3.7)	-6.4 (-16.8 , 4.7)
Republic of Serbia	427 (363 , 489)	6.2 (5.3 , 7.2)	810 (665 , 962)	4.6 (3.8 , 5.5)	-25.4 (-39.5 , -5.9)

Slovak Republic	305 (263 , 366)	5.7 (4.9 , 6.9)	562 (463 , 658)	6 (4.9 , 7)	4.2 (-19.8 , 28.2)
Republic of Slovenia	83 (76 , 89)	3.5 (3.2 , 3.8)	214 (175 , 242)	3.7 (3 , 4.2)	3.7 (-8.7 , 15.6)
Central Asia	684 (596 , 799)	1.9 (1.6 , 2.2)	1386 (1241 , 1519)	2.4 (2.1 , 2.6)	26.9 (7.3 , 47.5)
Republic of Armenia	31 (27 , 35)	1.5 (1.3 , 1.8)	108 (93 , 122)	2.5 (2.2 , 2.9)	66.7 (32.2 , 100.8)
Republic of Azerbaijan	59 (48 , 77)	1.6 (1.3 , 2.1)	124 (93 , 154)	1.8 (1.4 , 2.2)	8.4 (-22.4 , 44.6)
Georgia	168 (126 , 202)	3.3 (2.4 , 4)	341 (293 , 380)	5 (4.4 , 5.6)	54.6 (21.4 , 115.7)
Republic of Kazakhstan	213 (172 , 265)	2.2 (1.8 , 2.8)	350 (305 , 395)	3 (2.6 , 3.3)	34.9 (3 , 72.6)
Kyrgyz Republic	46 (38 , 56)	2 (1.6 , 2.5)	73 (61 , 84)	2.2 (1.8 , 2.5)	8.2 (-13.4 , 33.2)
Mongolia	15 (12 , 19)	2 (1.5 , 2.6)	26 (20 , 33)	1.9 (1.5 , 2.4)	-4.6 (-28.4 , 24.9)
Republic of Tajikistan	28 (20 , 41)	1.3 (0.9 , 1.9)	39 (32 , 48)	1.2 (0.9 , 1.4)	-8.7 (-39.9 , 27.6)
Turkmenistan	29 (24 , 34)	2.2 (1.8 , 2.7)	86 (68 , 112)	2.9 (2.3 , 3.8)	32.1 (1.3 , 67.6)
Republic of Uzbekistan	97 (57 , 158)	1 (0.6 , 1.7)	240 (204 , 278)	1.4 (1.2 , 1.6)	35.7 (-22.2 , 138)
Central Latin America	2816 (2613 , 2927)	5 (4.6 , 5.2)	10354 (8980 , 11386)	4.6 (4 , 5)	-8.6 (-16.2 , -0.7)

Republic of Colombia	558 (506 , 587)	4.5 (4 , 4.8)	2331 (1893 , 2705)	4 (3.3 , 4.7)	-10.4 (-22.4 , 2.5)
Republic of Costa Rica	67 (59 , 73)	4.4 (3.9 , 4.8)	250 (207 , 282)	4.3 (3.6 , 4.8)	-2.4 (-13.7 , 9.7)
Republic of El Salvador	133 (110 , 157)	4.8 (4 , 5.7)	402 (307 , 494)	5.4 (4.1 , 6.6)	11.7 (-13.1 , 44.9)
Republic of Guatemala	84 (78 , 92)	5.4 (4.8 , 6.2)	358 (309 , 404)	4.3 (3.7 , 4.8)	-20.6 (-34.7 , -5.1)
Republic of Honduras	56 (40 , 75)	4.3 (3.1 , 6.1)	302 (230 , 372)	7.5 (5.7 , 9.2)	75.2 (12 , 144.4)
United Mexican States	1500 (1417 , 1547)	5.7 (5.3 , 5.9)	5147 (4611 , 5659)	4.9 (4.3 , 5.3)	-14.6 (-22.2 , -7.6)
Republic of Nicaragua	39 (32 , 46)	3.5 (2.8 , 4.1)	137 (111 , 165)	3.7 (3 , 4.5)	7.2 (-14.1 , 32)
Republic of Panama	53 (47 , 57)	4.2 (3.7 , 4.6)	221 (170 , 263)	4.6 (3.6 , 5.5)	8.5 (-11.3 , 28.5)
Bolivarian Republic of Venezuela	327 (292 , 355)	4.7 (4.1 , 5.1)	1204 (948 , 1481)	4.6 (3.6 , 5.6)	-1.5 (-20.3 , 19.2)
Andean Latin America	740 (634 , 855)	4.6 (4 , 5.3)	2079 (1699 , 2494)	3.8 (3.1 , 4.6)	-17.4 (-32.4 , 1.8)
Plurinational State of Bolivia	112 (80 , 158)	5.5 (4 , 7.6)	358 (258 , 486)	5.7 (4.1 , 7.5)	2.9 (-20.2 , 37.2)
Republic of Ecuador	193 (171 , 209)	5.1 (4.5 , 5.5)	553 (464 , 656)	4 (3.4 , 4.7)	-20.8 (-34.3 , -4.9)
Republic of Peru	435 (364 , 513)	4.3 (3.6 , 5.1)	1169 (896 , 1501)	3.5 (2.7 , 4.5)	-19.9 (-39.9 , 6.1)

Caribbean	1098 (985 , 1194)	5.6 (5 , 6.1)	2731 (2349 , 3048)	4.9 (4.2 , 5.4)	-13 (-21.3 , -3.5)
Antigua and Barbuda	4 (4 , 5)	7 (6.2 , 7.8)	5 (5 , 6)	6.6 (6 , 7.1)	-5.6 (-15.4 , 4.9)
Barbados	17 (15 , 18)	5.8 (5.3 , 6.3)	29 (24 , 34)	5.7 (4.8 , 6.7)	-1.7 (-18 , 15.3)
Belize	4 (3 , 4)	4 (3.2 , 4.8)	11 (9 , 12)	4.6 (4 , 5.2)	16.4 (-8.6 , 44.1)
Bermuda	3 (3 , 4)	6.6 (5.6 , 7.4)	7 (6 , 9)	4.4 (3.7 , 5.4)	-32.7 (-43.6 , -15.2)
Commonwealth of the Bahamas	7 (6 , 7)	5.6 (4.9 , 6.1)	19 (16 , 22)	6.1 (5.1 , 7)	8.9 (-8.6 , 31)
Republic of Cuba	442 (390 , 484)	5.3 (4.6 , 5.8)	1090 (943 , 1220)	4.9 (4.2 , 5.5)	-7.3 (-19.5 , 8.3)
Commonwealth of Dominica	4 (3 , 5)	7.7 (6.4 , 9.3)	5 (5 , 6)	7.8 (6.6 , 9.1)	1.2 (-19.8 , 24.2)
Dominican Republic	134 (110 , 156)	6 (4.8 , 7)	464 (361 , 587)	5 (3.9 , 6.2)	-17.5 (-37.4 , 9.5)
Grenada	5 (4 , 5)	5.3 (4.5 , 6.2)	5 (5 , 6)	7.1 (6.1 , 7.7)	32.4 (9.5 , 60.5)
Republic of Guyana	12 (11 , 13)	4.6 (4.2 , 5.1)	24 (20 , 29)	5.6 (4.6 , 6.7)	20 (-2.7 , 46.5)
Republic of Haiti	97 (64 , 153)	5.8 (3.9 , 9)	219 (147 , 326)	5.6 (3.8 , 8.3)	-3 (-29.2 , 33.8)
Jamaica	95 (85 , 105)	5.2 (4.6 , 5.7)	206 (164 , 251)	5.5 (4.4 , 6.7)	5.5 (-16.5 , 31.4)

Puerto Rico	170 (156 , 180)	6 (5.5 , 6.3)	390 (313 , 452)	3.8 (3.1 , 4.4)	-36 (-45.8 , -26.6)
Saint Kitts and Nevis	2 (2 , 3)	8.4 (7.5 , 9.3)	3 (3 , 3)	7.6 (6.8 , 8.4)	-8.7 (-21 , 4.2)
Saint Lucia	6 (5 , 6)	10.4 (9.6 , 11.4)	16 (13 , 19)	7.2 (6 , 8.4)	-30.8 (-41.1 , -19.7)
Saint Vincent and the Grenadines	4 (4 , 5)	7.9 (7.4 , 8.4)	8 (7 , 9)	7.4 (6.6 , 8.1)	-6.3 (-14.9 , 2.9)
Republic of Suriname	12 (10 , 14)	5.5 (4.6 , 6.3)	29 (21 , 37)	5.3 (3.9 , 6.8)	-4.4 (-29.6 , 24.9)
Republic of Trinidad and Tobago	38 (35 , 40)	7.5 (6.8 , 8.1)	99 (77 , 119)	5.6 (4.4 , 6.8)	-25.2 (-40.1 , -9.4)
United States Virgin Islands	4 (3 , 4)	7.7 (6.4 , 8.8)	8 (6 , 10)	5.1 (4 , 6.7)	-32.8 (-49.6 , -10.5)
Tropical Latin America	2727 (2419 , 2896)	5 (4.3 , 5.4)	11540 (9640 , 12679)	4.9 (4.1 , 5.3)	-2.6 (-7.7 , 1.5)
Federative Republic of Brazil	2640 (2339 , 2805)	5 (4.3 , 5.4)	11250 (9412 , 12337)	4.8 (4 , 5.3)	-3.1 (-8.2 , 0.7)
Republic of Paraguay	88 (71 , 102)	4.8 (3.9 , 5.6)	290 (218 , 360)	5.7 (4.3 , 7.1)	19.8 (-9 , 60.1)
East Asia	17272 (14013 , 21292)	4.9 (3.9 , 6.1)	67666 (54232 , 80814)	4.3 (3.4 , 5.2)	-12.9 (-34.3 , 12.6)
People's Republic of China	16449 (13240 , 20521)	4.9 (3.9 , 6.2)	64728 (51765 , 77729)	4.3 (3.4 , 5.2)	-12.3 (-34.6 , 15.6)
Democratic People's Republic of Korea	421 (296 , 578)	5.1 (3.4 , 7.3)	1167 (886 , 1665)	5.1 (3.8 , 7.7)	0.5 (-23.5 , 37.4)

Taiwan (Province of China)	403 (369 , 425)	5.2 (4.6 , 5.6)	1771 (1474 , 1977)	3.7 (3.1 , 4.1)	-29.1 (-35.3 , -23.9)
Southeast Asia	6120 (5116 , 7566)	4.2 (3.5 , 5.3)	22401 (18974 , 25759)	5.3 (4.4 , 6.1)	24.5 (-1.8 , 53.7)
Kingdom of Cambodia	74 (55 , 109)	3.2 (2.3 , 4.7)	279 (217 , 359)	4.3 (3.3 , 5.6)	35.1 (1.3 , 75.6)
Republic of Indonesia	1899 (1376 , 2468)	3.6 (2.5 , 4.9)	6987 (5445 , 8421)	6.4 (4.8 , 7.8)	76.6 (26 , 134.8)
Lao People's Democratic Republic	41 (27 , 60)	4.2 (2.8 , 6.2)	130 (102 , 169)	5.1 (4 , 6.7)	22.6 (-9.4 , 73.6)
Malaysia	237 (193 , 289)	3.2 (2.6 , 3.9)	931 (786 , 1069)	4.9 (4.1 , 5.7)	53.7 (22.9 , 100)
Republic of Maldives	1 (1 , 2)	4 (2.6 , 5.5)	10 (7 , 12)	4.1 (3 , 5.1)	0.4 (-34.4 , 55.2)
Republic of Mauritius	23 (21 , 24)	5.4 (4.8 , 5.7)	76 (66 , 82)	4.8 (4.2 , 5.3)	-9.6 (-15.7 , -3.7)
Republic of the Union of Myanmar	504 (350 , 722)	4.2 (2.9 , 5.9)	1630 (1236 , 2084)	5.1 (3.9 , 6.6)	23.8 (-13.4 , 72)
Republic of the Philippines	691 (595 , 803)	5.3 (4.5 , 6.1)	2445 (2054 , 2912)	4.8 (4 , 5.8)	-8.4 (-24.7 , 6.9)
Democratic Socialist Republic of Sri Lanka	209 (180 , 246)	3.6 (3.1 , 4.3)	777 (556 , 1029)	4.1 (2.9 , 5.4)	11.3 (-23.6 , 53.9)
Republic of Seychelles	3 (2 , 3)	5 (4.3 , 6.2)	5 (4 , 6)	5.5 (4.3 , 6.7)	8.5 (-12 , 31.2)
Kingdom of Thailand	1206 (930 , 1572)	5.8 (4.4 , 7.6)	5064 (3744 , 6440)	4.6 (3.4 , 5.8)	-21.5 (-44.4 , 9.7)

Democratic Republic of Timor-Leste	5 (3 , 7)	3.6 (2.3 , 5.1)	22 (17 , 28)	4.5 (3.5 , 5.8)	27.7 (-11.1 , 94.2)
Socialist Republic of Viet Nam	1219 (961 , 1630)	4.1 (3.2 , 5.6)	4015 (2990 , 5030)	5.8 (4.4 , 7.4)	40.8 (5 , 86.9)
Oceania	65 (44 , 82)	4.5 (3.3 , 5.6)	185 (132 , 238)	4.3 (3.2 , 5.5)	-4.1 (-20.2 , 11.8)
American Samoa	1 (1 , 1)	6.1 (4.9 , 7.8)	2 (1 , 3)	6.5 (4.6 , 8.5)	6.5 (-17.7 , 33.6)
Cook Islands	1 (0 , 1)	6.8 (5.4 , 8.3)	1 (1 , 2)	6 (4.2 , 7.7)	-12.1 (-33.6 , 13.4)
Federated States of Micronesia	2 (2 , 3)	8.3 (5.8 , 11.8)	3 (2 , 4)	8.9 (6.5 , 11.4)	6.6 (-22.3 , 39.5)
Republic of Fiji	10 (8 , 12)	5.3 (4.5 , 6.4)	26 (20 , 33)	6.7 (5.4 , 8)	26.6 (-4.3 , 60.6)
Guam	2 (2 , 3)	7.3 (6.2 , 8.5)	5 (4 , 6)	2.1 (1.6 , 2.4)	-71.6 (-76.5 , -66.5)
Republic of Kiribati	1 (1 , 1)	3.2 (2.4 , 4.4)	1 (1 , 2)	3.9 (3 , 5.1)	21.1 (-9.6 , 62.8)
Republic of the Marshall Islands	1 (0 , 1)	6.9 (5.3 , 9.1)	1 (1 , 2)	7.4 (5.5 , 9.4)	6.5 (-18.3 , 35.3)
Republic of Nauru	0 (0 , 0)	8.2 (6.3 , 10.2)	0 (0 , 0)	10.3 (6.4 , 18.4)	26.9 (-14.6 , 144.7)
Republic of Niue	0 (0 , 0)	7.3 (5.8 , 8.9)	0 (0 , 0)	7.4 (5.6 , 8.8)	1.6 (-21.8 , 28.7)
Northern Mariana Islands	0 (0 , 1)	6.7 (5.5 , 8.4)	2 (2 , 3)	7.7 (6.4 , 8.8)	14.6 (-10.9 , 42.3)

Republic of Palau	0 (0 , 0)	4.8 (3.9 , 6)	1 (0 , 1)	4.7 (3.8 , 5.6)	-3 (-25.3 , 21.2)
Independent State of Papua New Guinea	32 (19 , 46)	3.5 (2.1 , 4.8)	108 (67 , 154)	3.9 (2.4 , 5.5)	12.4 (-20.2 , 56)
Independent State of Samoa	4 (3 , 5)	6.8 (4.9 , 8.9)	7 (5 , 9)	6.7 (5.1 , 8.5)	-0.7 (-25 , 26.4)
Solomon Islands	3 (1 , 4)	4.1 (2.1 , 6.1)	9 (5 , 13)	4.9 (2.6 , 8.2)	20.3 (-5.3 , 55.2)
Tokelau	0 (0 , 0)	7.4 (5.7 , 9.2)	0 (0 , 0)	7.2 (5 , 10.4)	-2.6 (-29.5 , 34.3)
Kingdom of Tonga	2 (1 , 2)	4.4 (3 , 6.3)	4 (3 , 5)	5 (3.5 , 6.9)	13.6 (-18.4 , 51.7)
Tuvalu	0 (0 , 0)	7 (5.3 , 9.2)	0 (0 , 1)	7.1 (5.5 , 8.8)	2.3 (-18 , 26.7)
Republic of Vanuatu	1 (1 , 2)	4.6 (3.1 , 6.5)	5 (3 , 6)	5.1 (3.8 , 6.5)	11.2 (-7.6 , 41.2)
North Africa and Middle East	3374 (2613 , 4241)	3.5 (2.7 , 4.4)	11182 (9280 , 12594)	3.9 (3.2 , 4.4)	12 (-13.5 , 45)
Islamic Republic of Afghanistan	113 (59 , 190)	2.7 (1.5 , 4.5)	179 (111 , 264)	3.3 (2 , 4.9)	19.4 (-7 , 61)
People's Democratic Republic of Algeria	244 (173 , 322)	5.3 (3.8 , 6.8)	1114 (824 , 1390)	6 (4.5 , 7.2)	12.2 (-14 , 49.7)
Kingdom of Bahrain	4 (2 , 5)	7 (3.4 , 9.3)	15 (8 , 20)	5.7 (2.6 , 7.9)	-18.7 (-39 , -0.7)
Arab Republic of Egypt	459 (360 , 583)	4.1 (3.2 , 5.3)	971 (799 , 1145)	3.6 (2.9 , 4.3)	-12.1 (-34.9 , 18.2)

Islamic Republic of Iran	411 (306 , 510)	3.3 (2.4 , 4.1)	1949 (1463 , 2233)	3.3 (2.5 , 3.8)	-0.4 (-22.3 , 28.3)
Republic of Iraq	226 (161 , 304)	3.3 (2.3 , 4.4)	647 (481 , 826)	4.9 (3.5 , 6.2)	49.1 (5.9 , 132.1)
Hashemite Kingdom of Jordan	23 (19 , 28)	3.1 (2.5 , 3.8)	103 (80 , 125)	2.7 (2.1 , 3.3)	-13.2 (-36 , 9.6)
State of Kuwait	9 (7 , 10)	2.6 (2.1 , 3)	60 (48 , 72)	3 (2.4 , 3.6)	15.9 (-1.2 , 32.8)
Lebanese Republic	73 (41 , 113)	5 (2.7 , 7.8)	239 (193 , 308)	3.4 (2.8 , 4.4)	-31.3 (-57.6 , 33.1)
State of Libya	38 (27 , 53)	2.5 (1.8 , 3.4)	111 (69 , 163)	3.1 (1.9 , 4.5)	23.7 (-19.8 , 83.2)
Kingdom of Morocco	304 (183 , 417)	3 (1.8 , 4.2)	991 (711 , 1280)	4.3 (3 , 5.5)	40.7 (4.4 , 96.3)
Palestine	29 (21 , 37)	5.1 (3.7 , 6.7)	68 (55 , 82)	5.4 (4.3 , 6.7)	5.1 (-20 , 43.1)
Sultanate of Oman	17 (12 , 23)	4 (2.9 , 5.6)	45 (36 , 55)	4.7 (3.6 , 5.9)	17.4 (-22.7 , 82.3)
State of Qatar	2 (1 , 3)	7.4 (3.2 , 10)	10 (5 , 15)	4.1 (1.5 , 6)	-44.9 (-61.9 , -27.3)
Kingdom of Saudi Arabia	102 (78 , 142)	3 (2.3 , 4.1)	249 (197 , 305)	3.4 (2.7 , 4.1)	12.7 (-22 , 54.4)
Republic of Sudan	155 (98 , 232)	2.9 (1.8 , 4.2)	394 (287 , 519)	3.2 (2.3 , 4.2)	12.6 (-18.7 , 69)
Syrian Arab Republic	153 (109 , 201)	4.3 (3 , 5.6)	318 (210 , 419)	4.6 (2.9 , 5.9)	7.4 (-28.3 , 59.2)

Republic of Tunisia	94 (69 , 117)	3.6 (2.6 , 4.6)	463 (305 , 649)	4.6 (3 , 6.7)	27.1 (-16.9 , 79.9)
Republic of Turkey	836 (659 , 1100)	3.6 (2.8 , 4.8)	2923 (2332 , 3533)	3.9 (3 , 4.7)	8.2 (-22.4 , 46.4)
United Arab Emirates	7 (5 , 10)	3.6 (2.6 , 5.2)	30 (24 , 37)	3.8 (2.5 , 4.9)	5.6 (-30.4 , 47.1)
Republic of Yemen	76 (44 , 121)	3.1 (1.8 , 4.9)	291 (198 , 404)	3.7 (2.6 , 5.1)	21.6 (-17.1 , 84.4)
South Asia	7594 (4655 , 11542)	2.4 (1.5 , 3.6)	36165 (27041 , 46073)	3.7 (2.7 , 4.7)	55.1 (14.8 , 111.4)
People's Republic of Bangladesh	1026 (567 , 1542)	3.3 (1.8 , 4.9)	4552 (3252 , 6400)	5 (3.6 , 7)	53.3 (13.6 , 136)
Kingdom of Bhutan	3 (2 , 5)	2.6 (1.4 , 4.2)	22 (15 , 30)	4.5 (3.1 , 6.3)	69.4 (19 , 147.9)
Republic of India	5413 (3291 , 8480)	2.1 (1.3 , 3.4)	27888 (20426 , 34928)	3.4 (2.5 , 4.3)	60.2 (14.8 , 118.1)
Federal Democratic Republic of Nepal	116 (63 , 184)	2.3 (1.3 , 3.6)	589 (401 , 829)	4.1 (2.8 , 5.8)	75.5 (26.1 , 159.8)
Islamic Republic of Pakistan	1035 (660 , 1504)	2.8 (1.8 , 4.1)	3115 (2311 , 4332)	4.6 (3.3 , 6.4)	63.6 (22.5 , 126.3)
Southern Sub-Saharan Africa	511 (417 , 626)	2.8 (2.3 , 3.5)	1413 (1228 , 1551)	4 (3.4 , 4.4)	41.6 (10.9 , 72.1)
Republic of Botswana	8 (6 , 11)	3.2 (2.3 , 4.5)	26 (20 , 36)	3.2 (2.4 , 4.7)	1.3 (-32.6 , 50)
Kingdom of Lesotho	14 (10 , 20)	2.4 (1.7 , 3.5)	22 (16 , 29)	3.5 (2.6 , 4.6)	45.9 (-11.1 , 103.4)

Republic of Namibia	10 (7 , 13)	3.1 (2.3 , 4.1)	29 (21 , 40)	3.8 (2.7 , 5.1)	22.3 (-8.9 , 62.3)
Republic of South Africa	411 (328 , 515)	2.8 (2.2 , 3.5)	1208 (1035 , 1329)	4 (3.4 , 4.5)	45.9 (15.3 , 79.4)
Kingdom of Eswatini	6 (4 , 7)	3.6 (2.6 , 4.9)	11 (7 , 14)	3.6 (2.6 , 4.6)	-0.5 (-31.9 , 43.7)
Republic of Zimbabwe	63 (50 , 76)	3.1 (2.3 , 3.8)	118 (80 , 149)	3.4 (2.2 , 4.3)	10.2 (-32.9 , 50.1)
Western Sub-Saharan Africa	2121 (1585 , 2724)	4.5 (3.4 , 5.8)	4568 (3662 , 5235)	4.5 (3.7 , 5.1)	-1 (-21.6 , 29.8)
Republic of Benin	42 (29 , 54)	3.1 (2.1 , 3.9)	108 (82 , 137)	3.7 (2.8 , 4.6)	18.4 (-9.4 , 54.4)
Burkina Faso	82 (48 , 116)	3.8 (2.2 , 5.3)	270 (181 , 365)	5.1 (3.5 , 6.9)	35.9 (3.8 , 80.5)
Republic of Cameroon	115 (81 , 146)	5 (3.5 , 6.4)	324 (245 , 422)	5.2 (4 , 6.7)	4.4 (-21.9 , 53.1)
Republic of Cabo Verde	8 (6 , 11)	3.6 (2.7 , 4.7)	22 (16 , 28)	5.4 (3.9 , 6.9)	50.2 (-8.8 , 136.2)
Republic of Chad	53 (31 , 78)	3 (1.7 , 4.4)	113 (77 , 151)	3.8 (2.6 , 5.1)	29.4 (-3 , 79.8)
Republic of CÃ´te d'Ivoire	65 (49 , 83)	4.3 (3.2 , 5.4)	244 (188 , 307)	4.7 (3.7 , 5.8)	10.6 (-16.1 , 46.6)
Republic of the Gambia	6 (4 , 9)	3.9 (2.7 , 5.2)	29 (22 , 36)	5.1 (3.9 , 6.4)	32.4 (-8.3 , 93.9)
Republic of Ghana	128 (101 , 155)	4.3 (3.4 , 5.3)	346 (267 , 424)	4.3 (3.3 , 5.3)	-1.7 (-30.5 , 32.5)

Republic of Guinea	75 (45 , 109)	3.5 (2.1 , 5.2)	153 (110 , 198)	4.3 (3.2 , 5.6)	22.7 (-9.5 , 80.4)
Republic of Guinea-Bissau	8 (6 , 11)	4.3 (3.1 , 6.1)	14 (11 , 19)	5.1 (3.8 , 6.7)	18.4 (-14.7 , 63.1)
Republic of Liberia	26 (17 , 33)	4.1 (2.7 , 5.3)	50 (36 , 67)	4.5 (3.3 , 6)	9.8 (-15.4 , 47.5)
Republic of Mali	52 (34 , 75)	2.8 (1.8 , 4.1)	128 (90 , 170)	2.9 (2.1 , 3.8)	3.7 (-23.5 , 36.7)
Islamic Republic of Mauritania	28 (22 , 35)	4.9 (3.8 , 6)	73 (54 , 96)	5.4 (4 , 7)	10.4 (-21.5 , 53.5)
Republic of the Niger	32 (17 , 49)	2.8 (1.4 , 4.3)	114 (57 , 174)	3.1 (1.6 , 4.7)	10.9 (-17.8 , 47.1)
Federal Republic of Nigeria	1258 (955 , 1655)	5.1 (3.9 , 6.7)	2185 (1644 , 2671)	4.5 (3.4 , 5.5)	-12.1 (-33.8 , 21.9)
Democratic Republic of Sao Tome and Principe	2 (1 , 2)	3.5 (2.4 , 5.7)	3 (2 , 4)	4.9 (3.8 , 5.9)	41.5 (-10.5 , 107)
Republic of Senegal	72 (49 , 97)	3.9 (2.6 , 5.3)	232 (173 , 291)	5 (3.8 , 6.3)	29.5 (-6.8 , 88.2)
Republic of Sierra Leone	45 (30 , 62)	3.5 (2.3 , 4.8)	82 (61 , 106)	3.9 (3 , 4.9)	11.6 (-15.3 , 53.5)
Togolese Republic	24 (17 , 31)	3.8 (2.8 , 5.1)	77 (57 , 98)	4.7 (3.6 , 5.9)	22.7 (-6.1 , 65)
Eastern Sub-Saharan Africa	1263 (687 , 1765)	3.2 (1.7 , 4.5)	3166 (1927 , 4731)	3.3 (2 , 4.9)	3.4 (-15.7 , 30)
Republic of Burundi	40 (18 , 74)	2.7 (1.2 , 5.2)	70 (34 , 135)	2.7 (1.3 , 5.5)	0.6 (-29.1 , 41.5)

Union of the Comoros	4 (2 , 5)	3.4 (1.8 , 5.1)	10 (6 , 17)	3.3 (1.8 , 5.5)	-2.4 (-31.5 , 34.4)
Republic of Djibouti	2 (2 , 3)	3.7 (2.6 , 5.2)	10 (7 , 15)	3.8 (2.5 , 5.5)	1.5 (-25 , 36.3)
State of Eritrea	15 (9 , 22)	3.1 (1.9 , 4.9)	49 (26 , 86)	3.9 (2.1 , 7.1)	25.5 (-20.3 , 117)
Federal Democratic Republic of Ethiopia	250 (118 , 380)	2.6 (1.2 , 4)	697 (360 , 1128)	2.5 (1.3 , 4.1)	-2.3 (-31.9 , 32)
Republic of Kenya	122 (74 , 167)	2.4 (1.5 , 3.3)	407 (264 , 581)	3.4 (2.2 , 5)	39.5 (4.4 , 84.1)
Republic of Madagascar	153 (98 , 205)	4.9 (3.1 , 6.6)	271 (177 , 388)	5.1 (3.4 , 7.4)	4.5 (-23.5 , 40.6)
Republic of Malawi	48 (25 , 70)	2.4 (1.2 , 3.6)	122 (77 , 179)	2.9 (1.9 , 4.3)	21.6 (-6.8 , 77)
Republic of Mozambique	104 (56 , 152)	3.3 (1.8 , 4.9)	252 (156 , 395)	4.3 (2.7 , 6.9)	31.3 (-7.9 , 84.5)
Republic of Rwanda	56 (27 , 84)	3.7 (1.7 , 5.7)	102 (42 , 179)	3 (1.2 , 5.4)	-19.1 (-45.2 , 13.5)
Federal Republic of Somalia	32 (15 , 51)	2.8 (1.3 , 4.5)	61 (26 , 111)	2.2 (1 , 4)	-20 (-40.6 , 7.9)
Republic of South Sudan	54 (25 , 82)	3.3 (1.6 , 5)	63 (31 , 99)	3 (1.5 , 4.7)	-10.5 (-32 , 17.4)
United Republic of Tanzania	216 (115 , 327)	3.6 (1.9 , 5.5)	580 (329 , 891)	3.6 (2 , 5.4)	-0.3 (-23.7 , 38.4)
Republic of Uganda	103 (44 , 165)	2.7 (1.1 , 4.4)	251 (126 , 429)	2.9 (1.4 , 5)	8.2 (-24.6 , 63)

Republic of Zambia	64 (44 , 81)	4.1 (2.8 , 5.3)	218 (129 , 366)	5.7 (3.6 , 9.1)	39 (-7.8 , 99.6)
Central Sub-Saharan Africa	439 (278 , 633)	4.1 (2.5 , 5.9)	1311 (886 , 1982)	4.7 (3.2 , 7.1)	13.7 (-13.9 , 47.3)
Republic of Angola	74 (48 , 108)	3.9 (2.5 , 5.7)	279 (194 , 392)	4.9 (3.3 , 6.8)	26.1 (-10.3 , 76)
Central African Republic	22 (13 , 35)	4.1 (2.3 , 6.6)	41 (24 , 63)	4.2 (2.4 , 6.5)	2.8 (-21.4 , 29.9)
Republic of the Congo	32 (24 , 47)	5.9 (4.4 , 8.6)	80 (56 , 101)	6 (4.3 , 7.4)	0.7 (-23.7 , 30.8)
Democratic Republic of the Congo	281 (167 , 427)	3.9 (2.3 , 6)	854 (527 , 1390)	4.5 (2.8 , 7.3)	14.8 (-16.8 , 56.1)
Republic of Equatorial Guinea	5 (3 , 7)	4.3 (2.7 , 6.7)	15 (10 , 21)	5.4 (3.6 , 7.4)	27.1 (-20.9 , 106.8)
Gabonese Republic	25 (19 , 35)	6.3 (4.6 , 8.9)	41 (31 , 50)	6.9 (5.3 , 8.4)	9.3 (-20.6 , 48.3)

Table S4: DALYs due to atrial fibrillation and flutter in 1990 and 2021, and the percentage change in the age-standardised rates (ASRs) per 100,000 by location (Generated from data available from http://ghdx.healthdata.org/gbd-results-tool)					
	1990		2021		Percentage change in ASRs per 100,000
	No (95% UI)	ASRs per 100,000 (95% UI)	No (95% UI)	ASRs per 100,000 (95% UI)	
Global	3358708 (2715430 , 4141735)	100.8 (82.8 , 122.6)	8358894 (6970688 , 10133489)	101.4 (84.9 , 122.4)	0.6 (-5 , 6.8)
High-income North America	443449 (346576 , 559226)	121.4 (94.8 , 152.9)	1015978 (854240 , 1202900)	144.4 (121 , 171.4)	18.9 (5.6 , 31.3)
Canada	49511 (38763 , 61653)	152.5 (120.1 , 189.5)	99213 (77674 , 125422)	125.7 (97.5 , 160.7)	-17.6 (-23.3 , -11.2)
Greenland	56 (46 , 68)	224.1 (184 , 269.4)	104 (81 , 130)	181.9 (144.5 , 226.1)	-18.8 (-29.4 , -6)
United States of America	393871 (306983 , 495874)	118.4 (92.4 , 149.1)	916645 (768611 , 1080294)	146.7 (122.8 , 172.8)	23.9 (8.1 , 38.3)
Australasia	34608 (29287 , 40036)	153.8 (131.2 , 177)	87583 (72120 , 105463)	147.8 (121.5 , 179.6)	-3.9 (-12.6 , 5.8)
Australia	28469 (24181 , 33071)	152.2 (130 , 175.9)	73571 (60143 , 89381)	146.8 (119.8 , 179.5)	-3.5 (-14.1 , 8.6)
New Zealand	6138 (5194 , 7226)	161.5 (137.4 , 189)	14013 (11814 , 16401)	154.2 (130.4 , 181.3)	-4.6 (-10.1 , 0.5)
High-income Asia Pacific	156515 (125660 , 193831)	83.1 (67.4 , 102)	364512 (301067 , 443767)	69 (56.4 , 84.7)	-16.9 (-22 , -12.8)
Brunei Darussalam	124 (102 , 149)	144.7 (117.3 , 173.6)	328 (271 , 388)	122 (102.5 , 144)	-15.6 (-28.9 , 2.6)

Japan	132020 (106096 , 163379)	81.4 (66.1 , 100.3)	270641 (220302 , 330702)	61.8 (50.4 , 76.4)	-24.1 (-26.6 , -22)
Republic of Singapore	1383 (1082 , 1754)	69.1 (54.3 , 86.2)	4278 (3235 , 5584)	50.5 (38.4 , 65.6)	-26.8 (-32 , -22.4)
Republic of Korea	22988 (17736 , 30412)	93.8 (73.6 , 124.4)	89265 (71029 , 110072)	96.3 (76.8 , 118)	2.6 (-28 , 26.7)
Western Europe	779577 (634739 , 949783)	130.7 (107 , 159)	1440284 (1208224 , 1709735)	131.1 (108.9 , 156.7)	0.3 (-4.6 , 4.9)
Principality of Andorra	64 (49 , 85)	125.5 (95.3 , 164.9)	170 (130 , 217)	102.4 (77.9 , 131.7)	-18.4 (-33.2 , -2.3)
Republic of Austria	14654 (12661 , 16940)	119.4 (103.2 , 137.7)	37096 (30927 , 43902)	175.9 (146.4 , 208.6)	47.4 (37.7 , 56.7)
Kingdom of Belgium	17560 (14240 , 21830)	111.3 (90.9 , 138)	27975 (22943 , 33735)	103.5 (84.2 , 126.6)	-7 (-12.9 , -0.3)
Republic of Cyprus	1241 (932 , 1550)	217.9 (160.3 , 274.8)	2333 (1967 , 2795)	129.8 (108.8 , 154.1)	-40.4 (-53.5 , -20.1)
Kingdom of Denmark	10814 (8775 , 13295)	125.9 (102 , 153.7)	18911 (15746 , 22897)	145.1 (120.4 , 176.9)	15.2 (8.3 , 23.5)
Republic of Finland	13810 (11123 , 16890)	190.5 (153.6 , 231.9)	18394 (14929 , 21967)	127.4 (103.4 , 152.4)	-33.1 (-39.2 , -25.9)
French Republic	113184 (92060 , 139793)	128.3 (104.3 , 157.9)	182910 (150493 , 221951)	107.4 (86.5 , 132.3)	-16.3 (-20.3 , -12.4)
Federal Republic of Germany	201327 (163031 , 246392)	152.6 (124 , 186)	397403 (335970 , 463533)	176.9 (148.2 , 208.5)	15.9 (2.8 , 29.7)
Hellenic Republic	16059 (13186 , 19814)	109.1 (90.3 , 133)	30788 (25091 , 37704)	105.1 (84.6 , 130.3)	-3.6 (-9.5 , 3.4)

Republic of Iceland	388 (324 , 467)	128.2 (106.4 , 154.7)	945 (793 , 1109)	144.5 (120.9 , 170.1)	12.7 (4.6 , 22.1)
Ireland	5569 (4632 , 6722)	138.9 (116.1 , 166.1)	9551 (7848 , 11621)	113.6 (93 , 138.4)	-18.2 (-23 , -13.8)
State of Israel	6749 (5501 , 8272)	145.1 (119.4 , 175.9)	19691 (15654 , 24214)	148.8 (117.3 , 184.4)	2.5 (-7.1 , 15.4)
Republic of Italy	106933 (81969 , 136680)	120.1 (93.1 , 152.3)	206967 (163080 , 257741)	116.3 (91.1 , 146.4)	-3.1 (-6.7 , 0.2)
Grand Duchy of Luxembourg	775 (667 , 905)	143.6 (124.3 , 166.5)	1569 (1347 , 1837)	133.2 (114.4 , 156.5)	-7.3 (-13.8 , -1.2)
Republic of Malta	487 (399 , 589)	121.5 (100.5 , 145.8)	1180 (1005 , 1388)	107.1 (90.7 , 126.3)	-11.9 (-20.4 , -3.1)
Principality of Monaco	93 (73 , 117)	117.3 (91 , 147.9)	125 (97 , 156)	109.2 (84.6 , 138.7)	-6.9 (-19.8 , 10.6)
Kingdom of the Netherlands	30426 (26007 , 35157)	148.7 (127 , 172.1)	50673 (42989 , 59870)	130.4 (110 , 154.9)	-12.3 (-16.8 , -7.8)
Kingdom of Norway	10706 (8932 , 12818)	143.5 (119.4 , 171.9)	14671 (12145 , 17639)	128.6 (105.7 , 156.8)	-10.4 (-13.7 , -7.6)
Portuguese Republic	15111 (11965 , 19103)	116.1 (93.1 , 144.2)	28100 (23004 , 34125)	96.5 (78.2 , 118.2)	-16.9 (-23.8 , -9.8)
Republic of San Marino	50 (40 , 62)	134 (106.3 , 166)	84 (64 , 111)	92.2 (69.5 , 122.9)	-31.2 (-42.7 , -17.3)
Kingdom of Spain	71587 (57640 , 88764)	132 (107.2 , 161.8)	140604 (117419 , 165622)	119.5 (98.2 , 143)	-9.4 (-17.8 , -0.3)
Kingdom of Sweden	22758 (17956 , 28457)	137.8 (108.6 , 173.3)	57180 (45730 , 70747)	222 (175.7 , 277.2)	61.1 (49.9 , 73.5)

Swiss Confederation	7852 (6377 , 9611)	70.2 (56.8 , 85.9)	14918 (12437 , 17545)	69.3 (57.6 , 82.9)	-1.2 (-10.1 , 7.9)
United Kingdom of Great Britain and Northern Ireland	110739 (93505 , 131324)	117 (99.1 , 138.8)	176779 (150586 , 207501)	119.7 (101.4 , 141.2)	2.3 (-0.8 , 4.9)
Southern Latin America	34600 (28133 , 42981)	82.4 (67.7 , 101)	67844 (58167 , 78537)	74.7 (63.8 , 86.8)	-9.4 (-15.8 , -3.5)
Argentine Republic	24020 (19576 , 29910)	82.4 (67.9 , 101.1)	40198 (34929 , 46587)	69.2 (60 , 80.2)	-16 (-25 , -8)
Republic of Chile	7594 (6160 , 9340)	84.6 (69.3 , 103.1)	22386 (18415 , 26886)	85.2 (70 , 102.6)	0.7 (-4 , 5.3)
Eastern Republic of Uruguay	2984 (2412 , 3683)	77.4 (62.9 , 95.1)	5256 (4397 , 6336)	82 (68.6 , 99.7)	6.1 (0 , 12.5)
Eastern Europe	242292 (195940 , 303226)	95.4 (78.7 , 118)	388580 (318353 , 470379)	107.7 (88.2 , 130.3)	13 (5.1 , 21.5)
Republic of Belarus	11328 (9217 , 14087)	91.2 (74.5 , 113.1)	16740 (13493 , 20892)	101.8 (82.1 , 126.5)	11.6 (-0.9 , 24.6)
Republic of Estonia	1863 (1545 , 2308)	94.2 (78.7 , 115.4)	3559 (3013 , 4202)	114.2 (94.7 , 136.4)	21.1 (11.9 , 32.6)
Republic of Latvia	3115 (2573 , 3792)	88.8 (73.8 , 107.5)	4759 (4088 , 5510)	107.1 (90.3 , 125)	20.6 (7.3 , 34.6)
Republic of Lithuania	4073 (3334 , 5057)	91.6 (75.5 , 113.7)	6940 (5789 , 8373)	107.6 (88.1 , 131.2)	17.4 (8.4 , 27.5)
Republic of Moldova	3481 (2822 , 4378)	94.5 (78.1 , 116.9)	6007 (4883 , 7306)	99.2 (80.5 , 120.8)	5 (-2.2 , 12.1)
Russian Federation	156916 (126821 , 199504)	97.2 (79.7 , 121.9)	271806 (222263 , 328016)	111.4 (91.1 , 134.8)	14.7 (4.6 , 24.5)

Ukraine	61515 (49362 , 75818)	92.6 (75.6 , 113.4)	78770 (61400 , 97874)	98.6 (76.7 , 122)	6.4 (-7 , 22.4)
Central Europe	157482 (132449 , 188984)	115.5 (98.4 , 136.8)	265917 (225064 , 316547)	112.3 (94.6 , 134.3)	-2.7 (-7.9 , 2.3)
Republic of Albania	1700 (1354 , 2122)	97.6 (78.2 , 120.3)	4399 (3431 , 5468)	103.1 (81.2 , 126.4)	5.7 (-11 , 24.7)
Bosnia and Herzegovina	3085 (2409 , 3907)	89 (70.7 , 112.4)	6410 (5131 , 7828)	99.8 (80.2 , 121.3)	12.1 (-3.6 , 32.2)
Republic of Bulgaria	12305 (10093 , 15114)	118.8 (99.8 , 142.8)	19898 (16801 , 23531)	132.5 (112.8 , 156.1)	11.4 (-2.3 , 27.4)
Republic of Croatia	3763 (3147 , 4496)	69.5 (58.6 , 82)	7519 (6521 , 8661)	76.4 (65.9 , 88.4)	9.9 (1.3 , 19.7)
Czech Republic	14372 (11698 , 17635)	105.9 (86.5 , 128.9)	31633 (25775 , 37952)	135.1 (110 , 161.9)	27.6 (12.3 , 43.9)
Hungary	15494 (12523 , 19139)	109.8 (90.2 , 134.1)	19640 (15966 , 23931)	92.8 (75.1 , 114.3)	-15.4 (-21.3 , -8.9)
Montenegro	1184 (1023 , 1423)	204.4 (176.7 , 246.8)	2331 (1944 , 2768)	266.1 (221.2 , 320)	30.2 (4.1 , 64.5)
North Macedonia	1732 (1418 , 2143)	106.3 (88.5 , 129.5)	3664 (2801 , 4933)	136.3 (107.6 , 174.2)	28.1 (6.5 , 53.7)
Republic of Poland	57914 (49713 , 67500)	141.1 (122.4 , 163.8)	99702 (80721 , 122377)	130.2 (104.8 , 160.6)	-7.8 (-15.9 , -0.5)
Romania	22242 (17716 , 28195)	90.8 (73.9 , 112.5)	31380 (26640 , 36872)	77.4 (65.2 , 91.4)	-14.7 (-26 , -3.1)
Republic of Serbia	10432 (8568 , 12759)	120.1 (99.9 , 144.1)	16205 (13504 , 19228)	93 (77.5 , 110.4)	-22.6 (-33.1 , -7.9)

Slovak Republic	8402 (6989 , 10006)	144.9 (121.4 , 171.5)	14612 (11797 , 17705)	150.6 (121.4 , 182.3)	3.9 (-12.5 , 17.2)
Republic of Slovenia	2338 (1905 , 2882)	95.9 (78.2 , 117.9)	4654 (3899 , 5468)	92.6 (77 , 109.6)	-3.4 (-14.5 , 7.8)
Central Asia	27964 (21497 , 36702)	66.3 (51.6 , 86.7)	52600 (41314 , 67337)	75 (59.9 , 95.5)	13.2 (6.3 , 21.8)
Republic of Armenia	1451 (1074 , 1905)	60.4 (45.7 , 79.1)	3355 (2607 , 4231)	76.9 (59.8 , 96.1)	27.3 (16.1 , 41.3)
Republic of Azerbaijan	2729 (1994 , 3648)	62.5 (46.3 , 83.7)	5902 (4361 , 7951)	67.9 (51.4 , 90.1)	8.7 (-3.2 , 23.1)
Georgia	5209 (3807 , 6550)	89.4 (64.8 , 113.2)	7760 (6545 , 9213)	122.4 (102.9 , 145.3)	36.9 (20.1 , 66.1)
Republic of Kazakhstan	8359 (6442 , 11000)	74.5 (57.9 , 97.3)	12990 (10082 , 16723)	85.4 (68.1 , 108.7)	14.6 (2.4 , 29.8)
Kyrgyz Republic	1740 (1344 , 2258)	64.9 (50.5 , 83.5)	2816 (2187 , 3622)	69.1 (54.4 , 88.3)	6.4 (-4.1 , 18.5)
Mongolia	639 (483 , 839)	69.4 (53 , 90.7)	1288 (954 , 1703)	69.4 (52.4 , 89.8)	0.1 (-11.6 , 12.5)
Republic of Tajikistan	1358 (1009 , 1881)	55 (41.2 , 75.8)	2547 (1826 , 3444)	54.3 (39.7 , 72.3)	-1.4 (-13.6 , 8.9)
Turkmenistan	1138 (887 , 1460)	70.5 (55.7 , 90.9)	2975 (2299 , 3738)	86.5 (67.7 , 106.7)	22.8 (7.3 , 40.5)
Republic of Uzbekistan	5343 (3749 , 7549)	50.2 (35.2 , 71)	12966 (9657 , 17427)	59 (44.7 , 77.9)	17.5 (-0.9 , 39.6)
Central Latin America	80232 (64872 , 98986)	116 (95 , 141)	269931 (218012 , 327388)	113.6 (91.9 , 137.8)	-2.1 (-7.1 , 2.5)

Republic of Colombia	15779 (12835 , 19518)	107.1 (88 , 131.8)	57513 (46273 , 72041)	102.8 (82.6 , 129.2)	-4 (-12 , 4.1)
Republic of Costa Rica	1827 (1467 , 2302)	112.8 (91 , 140.7)	6111 (4936 , 7505)	109.7 (88.4 , 135.2)	-2.7 (-8.9 , 4.1)
Republic of El Salvador	3201 (2604 , 3900)	113.8 (92.5 , 138.4)	8071 (6523 , 9719)	119.8 (96.6 , 144.6)	5.3 (-10 , 24)
Republic of Guatemala	2706 (2179 , 3315)	111.7 (93.4 , 136.3)	9969 (8055 , 12254)	102.3 (83.7 , 124.2)	-8.4 (-17.5 , 0.7)
Republic of Honduras	1806 (1390 , 2322)	107.4 (83 , 138.5)	7556 (5799 , 9174)	148.9 (115.6 , 180.1)	38.6 (7.9 , 71.9)
United Mexican States	42540 (34462 , 52381)	124.5 (103.1 , 149.9)	139470 (110869 , 170421)	119.8 (96.2 , 145.3)	-3.8 (-8.9 , 1.1)
Republic of Nicaragua	1252 (974 , 1576)	95.1 (74.7 , 119)	4233 (3296 , 5278)	97.6 (76.8 , 120.8)	2.6 (-7.8 , 15.8)
Republic of Panama	1430 (1151 , 1761)	105.4 (85.8 , 129.2)	5027 (3957 , 6123)	110.4 (86.7 , 134.8)	4.8 (-6 , 16)
Bolivarian Republic of Venezuela	9691 (7702 , 11944)	116.9 (94.5 , 143.1)	31981 (25013 , 39311)	114.3 (89.6 , 140)	-2.3 (-13.6 , 10.8)
Andean Latin America	19240 (15208 , 23493)	107 (85.5 , 130.5)	56583 (44608 , 69532)	99.9 (78.7 , 122.3)	-6.6 (-16.3 , 5.5)
Plurinational State of Bolivia	3127 (2335 , 4175)	121.4 (91.5 , 162.7)	9440 (7098 , 11874)	123.2 (93.9 , 154.1)	1.5 (-15.2 , 25.2)
Republic of Ecuador	4975 (4021 , 5988)	109.8 (90.4 , 130.7)	14843 (11786 , 18496)	96.9 (77.7 , 119.7)	-11.7 (-20.8 , -1.3)
Republic of Peru	11138 (8738 , 13510)	103.1 (81.4 , 125.1)	32300 (24716 , 40452)	97.3 (74.3 , 122.4)	-5.6 (-18.3 , 10.6)

Caribbean	28429 (23264 , 34542)	122.8 (102.2 , 147.3)	63053 (51870 , 76838)	115.2 (94.6 , 140.7)	-6.2 (-11.5 , 0)
Antigua and Barbuda	80 (70 , 95)	139.7 (120.9 , 164.2)	121 (101 , 147)	132.1 (111.8 , 158.1)	-5.5 (-12.3 , 1)
Barbados	376 (312 , 456)	123.3 (102.8 , 148.1)	641 (513 , 774)	123.1 (99 , 148.5)	-0.2 (-10.7 , 11)
Belize	96 (76 , 122)	105.8 (83.1 , 134.2)	297 (239 , 365)	113.3 (91.6 , 138.4)	7.1 (-6.8 , 21.2)
Bermuda	76 (60 , 92)	136.3 (109.7 , 164.1)	160 (130 , 197)	105.6 (84.9 , 130.8)	-22.5 (-31.8 , -11.1)
Commonwealth of the Bahamas	177 (148 , 215)	130.8 (110.5 , 157.5)	469 (380 , 561)	132.6 (108.4 , 157.7)	1.4 (-9.5 , 14.2)
Republic of Cuba	11364 (9070 , 13947)	118.5 (95.6 , 143.8)	23660 (19350 , 29217)	113.1 (92.2 , 140.1)	-4.6 (-12.3 , 4.4)
Commonwealth of Dominica	84 (68 , 102)	147.9 (120.4 , 180)	115 (95 , 138)	150.8 (124.7 , 179.7)	2 (-12.3 , 18)
Dominican Republic	3597 (2866 , 4515)	122.8 (100.1 , 151.2)	11054 (8859 , 13676)	114.8 (92.1 , 141.9)	-6.5 (-20 , 9.8)
Grenada	98 (82 , 119)	121.7 (101 , 147.7)	135 (113 , 159)	141.5 (120.8 , 164.8)	16.3 (3 , 31.6)
Republic of Guyana	371 (302 , 451)	116.7 (96.1 , 140.9)	681 (543 , 834)	127.6 (103.4 , 152.5)	9.3 (-3.9 , 25.8)
Republic of Haiti	3107 (2285 , 4348)	130.3 (96.6 , 182.9)	6840 (4956 , 9180)	127.5 (93.2 , 171.7)	-2.2 (-19.4 , 18.8)
Jamaica	2149 (1777 , 2606)	117 (96.8 , 142.5)	4111 (3349 , 4961)	123.1 (99.4 , 149.7)	5.2 (-8.4 , 21.6)

Puerto Rico	4226 (3445 , 5170)	126.5 (104.9 , 151.9)	8769 (7003 , 10860)	104.2 (82.6 , 131.4)	-17.6 (-24.9 , -10.6)
Saint Kitts and Nevis	55 (46 , 65)	158.1 (133.4 , 183.4)	77 (63 , 92)	145.5 (123.6 , 168.7)	-7.9 (-17.1 , 1.2)
Saint Lucia	125 (106 , 146)	175.9 (153.5 , 200.8)	316 (255 , 375)	137.1 (111.3 , 162.7)	-22.1 (-30.6 , -14)
Saint Vincent and the Grenadines	97 (84 , 115)	150.9 (131.3 , 175.7)	182 (152 , 215)	141.7 (120.9 , 166)	-6.1 (-12.3 , 1.1)
Republic of Suriname	291 (241 , 350)	127.2 (105.4 , 152.1)	706 (544 , 876)	119.9 (93.4 , 148.8)	-5.7 (-20.8 , 11.3)
Republic of Trinidad and Tobago	1001 (827 , 1210)	147.3 (125 , 173.6)	2386 (1898 , 2915)	128.6 (102.6 , 156.5)	-12.7 (-23.6 , -1.8)
United States Virgin Islands	96 (77 , 118)	149.9 (122.7 , 179.2)	201 (151 , 252)	113.8 (87.5 , 142)	-24.1 (-35.6 , -10.6)
Tropical Latin America	90777 (71331 , 113772)	122.8 (99.7 , 151)	304099 (245416 , 375972)	122.8 (99.6 , 151.7)	-0.1 (-2.5 , 2.5)
Federative Republic of Brazil	88346 (69433 , 110571)	122.9 (99.7 , 151.1)	297032 (239336 , 367908)	122.6 (99.2 , 151.6)	-0.3 (-2.7 , 2.2)
Republic of Paraguay	2431 (1947 , 3092)	120.4 (97.1 , 152.8)	7067 (5557 , 8778)	130.9 (103.1 , 161.9)	8.7 (-6.8 , 30.9)
East Asia	533837 (416978 , 668275)	93.8 (76.5 , 115.9)	1723468 (1364785 , 2143575)	89.8 (72.4 , 109.6)	-4.3 (-19.3 , 13)
People's Republic of China	508610 (395853 , 638618)	93.3 (75.1 , 115.5)	1653117 (1303681 , 2056459)	89.8 (72.1 , 109.7)	-3.8 (-19.4 , 14.2)
Democratic People's Republic of Korea	12101 (9159 , 15414)	103.9 (79.2 , 132.7)	29340 (22444 , 38029)	104 (80.3 , 138)	0.1 (-14.3 , 19.1)

Taiwan (Province of China)	13126 (10402 , 16164)	112.2 (92.9 , 134.5)	41012 (33444 , 50586)	92.1 (74.5 , 114)	-17.9 (-22.6 , -13.8)
Southeast Asia	200296 (158700 , 252961)	102.3 (83 , 128.4)	612969 (501403 , 745497)	115.4 (95.9 , 139.1)	12.8 (-1.4 , 26.8)
Kingdom of Cambodia	2927 (2223 , 3785)	86.3 (66.1 , 113.1)	9138 (7031 , 11349)	98.5 (76.5 , 122.3)	14.1 (-3.3 , 33)
Republic of Indonesia	75340 (58204 , 96155)	101.6 (77.9 , 129.4)	223354 (178284 , 274232)	133.1 (106.8 , 160.6)	31 (11.4 , 52.8)
Lao People's Democratic Republic	1536 (1129 , 2018)	102.4 (75.8 , 136.3)	3842 (2968 , 4839)	111.2 (87.6 , 138.4)	8.6 (-10 , 32.3)
Malaysia	7513 (5778 , 9559)	92.2 (71.4 , 117)	26502 (20978 , 32395)	112.6 (91.2 , 135.6)	22 (9.5 , 39.4)
Republic of Maldives	58 (42 , 77)	97.5 (71.8 , 126.1)	261 (204 , 337)	93.3 (73.3 , 118.4)	-4.2 (-24.4 , 18.5)
Republic of Mauritius	654 (537 , 792)	116.2 (97.7 , 138.5)	1849 (1526 , 2231)	109.1 (90.7 , 131)	-6.1 (-10.8 , -1.8)
Republic of the Union of Myanmar	17968 (13420 , 23816)	103.2 (77.8 , 135.9)	43946 (34393 , 56178)	111.5 (88 , 140.6)	8.1 (-13.6 , 30.6)
Republic of the Philippines	23120 (18497 , 29118)	111.8 (90.9 , 136.5)	72144 (56995 , 88259)	111 (89.2 , 135.2)	-0.7 (-10.7 , 8.9)
Democratic Socialist Republic of Sri Lanka	7446 (5696 , 9311)	90.4 (70.8 , 111.4)	22556 (16762 , 28901)	95.6 (72 , 120.6)	5.8 (-11.5 , 27.6)
Republic of Seychelles	62 (51 , 76)	112.6 (91.6 , 137.5)	113 (90 , 136)	114.2 (91.7 , 137.9)	1.5 (-9.7 , 14)
Kingdom of Thailand	30152 (23731 , 38013)	112.8 (89.3 , 141.4)	110567 (87502 , 136071)	101 (80.1 , 124.4)	-10.4 (-28.9 , 8)

Democratic Republic of Timor-Leste	179 (131 , 233)	90.7 (66.6 , 119.7)	692 (531 , 906)	102.4 (80.7 , 131.2)	12.9 (-6.9 , 38.4)
Socialist Republic of Viet Nam	33051 (25239 , 41932)	95.9 (74 , 120.3)	97149 (74777 , 122074)	118.9 (91.5 , 147.6)	23.9 (4.8 , 47.8)
Oceania	2441 (1825 , 3093)	110.3 (85 , 137.4)	6606 (5044 , 8584)	110.2 (86.2 , 141.7)	-0.1 (-11.8 , 11.8)
American Samoa	23 (18 , 27)	133.3 (107.7 , 163.3)	58 (45 , 71)	143.7 (111.5 , 176.8)	7.8 (-6.9 , 25.5)
Cook Islands	15 (12 , 18)	143.9 (115.4 , 177)	33 (25 , 43)	134 (101 , 170.5)	-6.9 (-23.2 , 10.2)
Federated States of Micronesia	65 (50 , 82)	166.3 (124.8 , 215.3)	95 (74 , 118)	173.1 (134.5 , 216.5)	4.1 (-15.8 , 27.3)
Republic of Fiji	344 (282 , 419)	124.7 (103.6 , 151.1)	843 (664 , 1017)	144.6 (115.6 , 171.9)	16 (-3.3 , 38.7)
Guam	74 (61 , 89)	141.9 (120.5 , 168.1)	195 (152 , 244)	90.6 (70.2 , 113.6)	-36.1 (-45.2 , -27.3)
Republic of Kiribati	27 (22 , 34)	93.7 (74.5 , 117)	56 (44 , 70)	102.4 (80.2 , 126)	9.3 (-7.3 , 28.1)
Republic of the Marshall Islands	19 (15 , 23)	145.8 (115.8 , 183.4)	41 (30 , 53)	156.8 (122.5 , 196.9)	7.5 (-11.4 , 28.5)
Republic of Nauru	6 (5 , 8)	179.7 (145.6 , 221.2)	9 (7 , 11)	204.4 (146.7 , 299.1)	13.8 (-12.5 , 74.3)
Republic of Niue	4 (3 , 4)	151.1 (125.3 , 182.2)	3 (3 , 4)	155.4 (124.6 , 184.6)	2.9 (-13.6 , 21)
Northern Mariana Islands	18 (14 , 22)	144.3 (119 , 173.1)	64 (53 , 78)	158.6 (132.8 , 185.5)	9.9 (-9.1 , 29.7)

Republic of Palau	9 (7 , 11)	114.6 (92 , 138.9)	19 (15 , 25)	113.2 (92 , 140)	-1.2 (-16.7 , 13.2)
Independent State of Papua New Guinea	1362 (950 , 1811)	97 (69.4 , 127.7)	4124 (2976 , 5545)	102.2 (75.1 , 137.6)	5.4 (-14 , 28)
Independent State of Samoa	99 (76 , 125)	143.8 (110.5 , 180.4)	180 (143 , 224)	146.1 (115.9 , 180.2)	1.6 (-14.7 , 19.9)
Solomon Islands	102 (69 , 139)	103.3 (67.8 , 140.3)	306 (217 , 408)	115.2 (78.9 , 160.2)	11.5 (-4.9 , 30.9)
Tokelau	2 (1 , 2)	152.9 (124.8 , 190.2)	2 (2 , 3)	150 (112.2 , 200.5)	-1.9 (-21.8 , 24.1)
Kingdom of Tonga	51 (39 , 67)	109.9 (83.2 , 144.3)	91 (71 , 117)	120 (93.2 , 153.3)	9.2 (-8.9 , 28.4)
Tuvalu	8 (6 , 10)	149.1 (117.5 , 188)	13 (10 , 16)	150.9 (121.6 , 183.5)	1.2 (-14.4 , 18)
Republic of Vanuatu	58 (41 , 76)	120.4 (87.8 , 158.5)	175 (135 , 222)	127.9 (99 , 160.5)	6.3 (-6.8 , 22.8)
North Africa and Middle East	88830 (69529 , 110179)	71.6 (56.5 , 88.8)	265649 (218559 , 309833)	76.1 (63.3 , 88.6)	6.3 (-11 , 25.1)
Islamic Republic of Afghanistan	3394 (2188 , 4977)	63 (40.5 , 92.6)	5074 (3663 , 6761)	72.1 (51.5 , 95.1)	14.3 (-6.2 , 37.4)
People's Democratic Republic of Algeria	6619 (5035 , 8537)	90 (68.6 , 112.9)	23845 (18698 , 29189)	95.9 (76.7 , 116.5)	6.6 (-12.5 , 31)
Kingdom of Bahrain	101 (65 , 128)	113.1 (67 , 143.1)	442 (316 , 569)	94.9 (57.6 , 122.8)	-16.1 (-32.7 , -2)
Arab Republic of Egypt	12709 (10081 , 15899)	76.4 (61 , 96.3)	30353 (24425 , 37293)	75.9 (62.4 , 91.2)	-0.7 (-18.7 , 19.2)

Islamic Republic of Iran	12116 (9430 , 15214)	70.5 (55.4 , 88.3)	47525 (37528 , 58271)	72.4 (57.4 , 88.3)	2.6 (-13.1 , 18.2)
Republic of Iraq	5572 (4348 , 6978)	76.5 (59.5 , 96.6)	16445 (13020 , 19938)	93.6 (74.2 , 114)	22.5 (-2.4 , 65.8)
Hashemite Kingdom of Jordan	658 (526 , 813)	68.7 (55.4 , 84.6)	3377 (2602 , 4223)	63.1 (49.4 , 78.3)	-8.2 (-23.8 , 6.1)
State of Kuwait	272 (217 , 339)	62.3 (49.5 , 76.9)	1525 (1212 , 1889)	66.6 (52.8 , 82.2)	6.9 (-2.9 , 17.4)
Lebanese Republic	1614 (1080 , 2271)	92.9 (60.7 , 132.4)	4546 (3720 , 5509)	68.9 (56.3 , 84.2)	-25.9 (-49.2 , 11.9)
State of Libya	978 (741 , 1255)	60.2 (45.1 , 77.2)	2950 (2127 , 3911)	70.1 (50.4 , 92.3)	16.4 (-6.6 , 48.4)
Kingdom of Morocco	7964 (5788 , 10135)	67.3 (48.4 , 86.6)	23355 (18287 , 29438)	83.6 (65.6 , 104.3)	24.1 (3.5 , 49.3)
Palestine	583 (451 , 731)	87.1 (67.4 , 108.7)	1522 (1249 , 1838)	89.8 (74.3 , 107.6)	3.1 (-16.6 , 29.1)
Sultanate of Oman	413 (310 , 526)	80 (60.9 , 102.8)	1237 (991 , 1518)	91 (74.6 , 109.2)	13.7 (-17 , 54.3)
State of Qatar	62 (41 , 78)	116.2 (65.7 , 150.1)	408 (298 , 555)	78.5 (45.5 , 103.7)	-32.5 (-47.4 , -15)
Kingdom of Saudi Arabia	2831 (2245 , 3620)	64 (50.2 , 81.4)	9049 (7157 , 11409)	72.2 (58.2 , 88.6)	12.8 (-11 , 39.4)
Republic of Sudan	4646 (3340 , 6250)	64.8 (46.1 , 88.6)	10967 (8324 , 13689)	72.5 (56.1 , 90.4)	12 (-10.7 , 43)
Syrian Arab Republic	3247 (2558 , 4087)	79.9 (62.6 , 101.4)	8108 (6087 , 10069)	85.7 (63.8 , 105.2)	7.3 (-15 , 39)

Republic of Tunisia	2561 (1967 , 3177)	70.9 (55.6 , 87.8)	9283 (6895 , 12247)	81.8 (60.5 , 107.5)	15.5 (-10.6 , 45.7)
Republic of Turkey	19964 (15940 , 24779)	72.1 (57.9 , 89.8)	55942 (46418 , 65880)	67.9 (56.4 , 80.4)	-5.7 (-26.2 , 16.4)
United Arab Emirates	232 (171 , 301)	79.5 (60.3 , 104.9)	1763 (1273 , 2342)	85.8 (66.1 , 105.2)	7.9 (-15.2 , 30.2)
Republic of Yemen	2246 (1544 , 3172)	65.5 (44.7 , 94.7)	7685 (5625 , 9928)	75.2 (55.6 , 97.4)	14.7 (-11 , 49.4)
South Asia	311117 (228511 , 416726)	71.8 (52.9 , 96.7)	1071260 (820127 , 1366680)	88.3 (68 , 111.4)	23 (5.9 , 43)
People's Republic of Bangladesh	29954 (20406 , 40049)	78.7 (52.9 , 105.8)	109146 (82747 , 147679)	97.3 (74.5 , 130)	23.7 (2.9 , 52.3)
Kingdom of Bhutan	123 (86 , 167)	71.7 (49.4 , 97.9)	503 (379 , 649)	93.8 (70.8 , 121)	31 (6.8 , 59.2)
Republic of India	239570 (175322 , 323221)	69.4 (51.4 , 93.6)	855145 (645560 , 1094554)	86.1 (65.7 , 108.5)	24.1 (5.9 , 43.8)
Federal Democratic Republic of Nepal	4603 (3202 , 6368)	66.9 (45.9 , 93.5)	16079 (11993 , 21120)	87.3 (65.7 , 116.3)	30.5 (10.1 , 57.6)
Islamic Republic of Pakistan	36868 (26780 , 49762)	79.5 (57.9 , 106.3)	90387 (69208 , 116432)	101.5 (79.7 , 131.7)	27.6 (10.2 , 50.8)
Southern Sub-Saharan Africa	17046 (13347 , 21744)	75.3 (59.6 , 95.8)	41787 (34114 , 50581)	90.4 (74.6 , 109)	20.1 (7.3 , 34.8)
Republic of Botswana	310 (233 , 407)	76.8 (58.2 , 100.3)	862 (665 , 1099)	77.7 (60.7 , 99.9)	1.2 (-20 , 27)
Kingdom of Lesotho	451 (340 , 597)	63.7 (47.3 , 85.9)	699 (534 , 890)	83.9 (64.5 , 105.7)	31.7 (1.1 , 64.4)

Republic of Namibia	362 (278 , 466)	75.7 (58.7 , 97.5)	897 (677 , 1147)	85 (63.1 , 107.7)	12.3 (-6.4 , 35.1)
Republic of South Africa	13583 (10577 , 17397)	76.1 (59.7 , 97.6)	34786 (28411 , 42506)	91.4 (75.1 , 110.3)	20.1 (7.4 , 35.4)
Kingdom of Eswatini	180 (139 , 236)	84.1 (64.9 , 109.9)	372 (283 , 474)	88.6 (67.6 , 110.7)	5.3 (-16.5 , 31.9)
Republic of Zimbabwe	2159 (1653 , 2691)	72.2 (55.8 , 88.6)	4171 (3086 , 5215)	82.5 (61.9 , 102)	14.2 (-11.6 , 38.1)
Western Sub-Saharan Africa	52952 (41258 , 67156)	84.2 (66.1 , 105.7)	118819 (92666 , 146393)	86.1 (68.4 , 104.1)	2.3 (-12.1 , 20.7)
Republic of Benin	1095 (824 , 1396)	66.6 (50.4 , 84.3)	2817 (2218 , 3600)	73.6 (57.9 , 92.8)	10.6 (-6.1 , 29.2)
Burkina Faso	2340 (1612 , 3065)	75.9 (51.6 , 100.4)	6312 (4577 , 8276)	93.7 (69 , 121.5)	23.4 (2.4 , 45)
Republic of Cameroon	2795 (2110 , 3447)	90.8 (68.2 , 111.9)	8308 (6392 , 10485)	97 (75.9 , 120.4)	6.8 (-12.4 , 37.3)
Republic of Cabo Verde	175 (134 , 220)	73.4 (56.4 , 92)	387 (300 , 476)	93.9 (72.9 , 115.1)	27.9 (-5.6 , 73.3)
Republic of Chad	1481 (1037 , 2001)	64.7 (45.2 , 87.2)	3120 (2274 , 4079)	76.7 (56.2 , 98)	18.5 (-0.7 , 42.1)
Republic of Cote d'Ivoire	1990 (1499 , 2529)	82.3 (63.2 , 102.2)	6579 (5111 , 8188)	89.3 (71.4 , 107.8)	8.5 (-9.6 , 31.2)
Republic of the Gambia	189 (142 , 244)	77.9 (58.7 , 99.2)	680 (527 , 843)	93.4 (73.1 , 114)	20 (-6.1 , 51.7)
Republic of Ghana	3553 (2795 , 4415)	84.2 (68.1 , 101.1)	9818 (7715 , 12324)	84.8 (67.4 , 103.9)	0.7 (-17.9 , 22.5)

Republic of Guinea	1908 (1367 , 2508)	72.1 (51.9 , 95.9)	3582 (2749 , 4497)	82.8 (63.8 , 103.7)	14.9 (-7.2 , 44.2)
Republic of Guinea-Bissau	229 (171 , 306)	85.5 (65.1 , 112.7)	417 (314 , 533)	94.5 (72.5 , 119.9)	10.5 (-12 , 37.8)
Republic of Liberia	690 (498 , 882)	80.4 (58.2 , 101.4)	1248 (940 , 1587)	85.7 (65.4 , 107.2)	6.6 (-10.8 , 29)
Republic of Mali	1741 (1280 , 2332)	63.3 (46.3 , 84.1)	4155 (3145 , 5466)	66.2 (50.5 , 84.9)	4.7 (-13.1 , 21.5)
Islamic Republic of Mauritania	682 (546 , 834)	89.9 (72.6 , 110)	1595 (1232 , 1996)	95.9 (73.6 , 118.2)	6.7 (-15 , 32.4)
Republic of the Niger	1154 (795 , 1596)	62.6 (41.8 , 88.2)	3721 (2518 , 5115)	66.3 (43.7 , 90.9)	5.9 (-10.3 , 23.9)
Federal Republic of Nigeria	29033 (22706 , 36923)	90.7 (71.9 , 115)	56183 (42281 , 70658)	87.1 (66 , 108.4)	-4 (-21.3 , 19.1)
Democratic Republic of Sao Tome and Principe	38 (30 , 52)	71 (54.6 , 98.4)	74 (59 , 90)	91.2 (73.6 , 109.6)	28.3 (1.6 , 58.6)
Republic of Senegal	1915 (1430 , 2460)	78.8 (58.9 , 101.1)	5350 (4182 , 6681)	92.1 (72.8 , 113)	16.9 (-6.3 , 46.6)
Republic of Sierra Leone	1267 (923 , 1667)	76.1 (55 , 99.7)	2275 (1713 , 2918)	80.4 (61.5 , 101.1)	5.6 (-11.1 , 25.3)
Togolese Republic	674 (522 , 859)	78.6 (61.2 , 99.6)	2198 (1650 , 2761)	89.2 (69 , 110.3)	13.6 (-5.3 , 37.9)
Eastern Sub-Saharan Africa	42708 (29866 , 56564)	75.8 (52 , 99.8)	103373 (74839 , 140257)	79.2 (57.1 , 108.3)	4.5 (-8.3 , 18.1)
Republic of Burundi	1371 (900 , 2021)	71.6 (46.7 , 109)	2555 (1694 , 3792)	69.9 (45.6 , 107.9)	-2.4 (-21.8 , 18.5)

Union of the Comoros	118 (79 , 159)	79 (53.1 , 107.6)	303 (209 , 425)	76.3 (51.7 , 110.5)	-3.5 (-22.2 , 17)
Republic of Djibouti	76 (57 , 100)	82 (62.7 , 107.2)	368 (267 , 489)	83.7 (61.7 , 110.9)	2.1 (-17.8 , 24.7)
State of Eritrea	599 (414 , 827)	77.1 (53.6 , 107.2)	1612 (1063 , 2379)	84.5 (54.9 , 128.7)	9.7 (-18 , 55.1)
Federal Democratic Republic of Ethiopia	10134 (6772 , 13928)	69.4 (45.6 , 97.2)	25179 (17422 , 35300)	70.3 (48.3 , 98.8)	1.2 (-17.4 , 20.2)
Republic of Kenya	4433 (3231 , 5797)	67.1 (48.2 , 86.3)	13715 (9944 , 18038)	80.4 (57.8 , 106.1)	19.8 (3.2 , 39.4)
Republic of Madagascar	4041 (2847 , 5160)	101.3 (70.8 , 129.2)	8193 (5940 , 10725)	104.4 (74.6 , 139)	3.1 (-16.1 , 27)
Republic of Malawi	1878 (1295 , 2561)	64.7 (43.6 , 87.2)	4339 (3177 , 5754)	75.7 (55.1 , 100.8)	17 (1.3 , 38.1)
Republic of Mozambique	3346 (2241 , 4552)	75 (50.6 , 102)	7582 (5257 , 10573)	92.8 (65.4 , 130.3)	23.7 (0 , 52.3)
Republic of Rwanda	1848 (1199 , 2515)	87 (54.7 , 118.7)	3524 (2244 , 5177)	73.7 (45.4 , 110.2)	-15.3 (-33.6 , 4.1)
Federal Republic of Somalia	1182 (742 , 1682)	70.1 (43.6 , 99.6)	2767 (1735 , 4169)	63.6 (39.5 , 97.4)	-9.2 (-22.8 , 8)
Republic of South Sudan	1617 (1007 , 2226)	77.3 (48.5 , 105.5)	2148 (1433 , 2959)	73.4 (48.2 , 101.9)	-5 (-21.2 , 13.1)
United Republic of Tanzania	6566 (4530 , 8842)	79.5 (53.7 , 107.3)	16779 (11752 , 23254)	82.3 (57.8 , 113.5)	3.6 (-12.8 , 26.3)
Republic of Uganda	3639 (2371 , 5067)	70.7 (45.5 , 99.8)	8476 (5794 , 12027)	73.5 (49.4 , 105.5)	3.9 (-13.7 , 26.2)

Republic of Zambia	1828 (1391 , 2272)	86.6 (65.8 , 107.4)	5743 (3778 , 9002)	112.5 (76.9 , 168.2)	29.9 (-6.2 , 82.2)
Central Sub-Saharan Africa	14316 (10216 , 19085)	91.6 (64.7 , 123.7)	37999 (27202 , 52014)	98.4 (70.8 , 138.2)	7.5 (-11.2 , 29.4)
Republic of Angola	2447 (1758 , 3251)	89.6 (65.4 , 120.8)	8368 (6207 , 11093)	102.7 (76 , 135.8)	14.6 (-9.3 , 42.9)
Central African Republic	741 (498 , 1034)	93.7 (63.8 , 132.5)	1396 (964 , 1962)	94.5 (64.6 , 133.9)	0.9 (-15.6 , 19.3)
Republic of the Congo	920 (695 , 1253)	120.1 (93.7 , 164.5)	2231 (1708 , 2802)	118.6 (92.1 , 146)	-1.2 (-19.3 , 19.5)
Democratic Republic of the Congo	9495 (6434 , 13068)	87.9 (60 , 121.5)	24604 (16933 , 35653)	94.6 (66 , 140)	7.7 (-12.8 , 31.6)
Republic of Equatorial Guinea	137 (97 , 196)	95.3 (68.8 , 137.3)	407 (299 , 528)	111.1 (83.5 , 142.5)	16.6 (-17.4 , 63.8)
Gabonese Republic	575 (454 , 736)	122.4 (97.5 , 157.8)	993 (774 , 1212)	129.3 (101.9 , 155)	5.7 (-16 , 30.7)

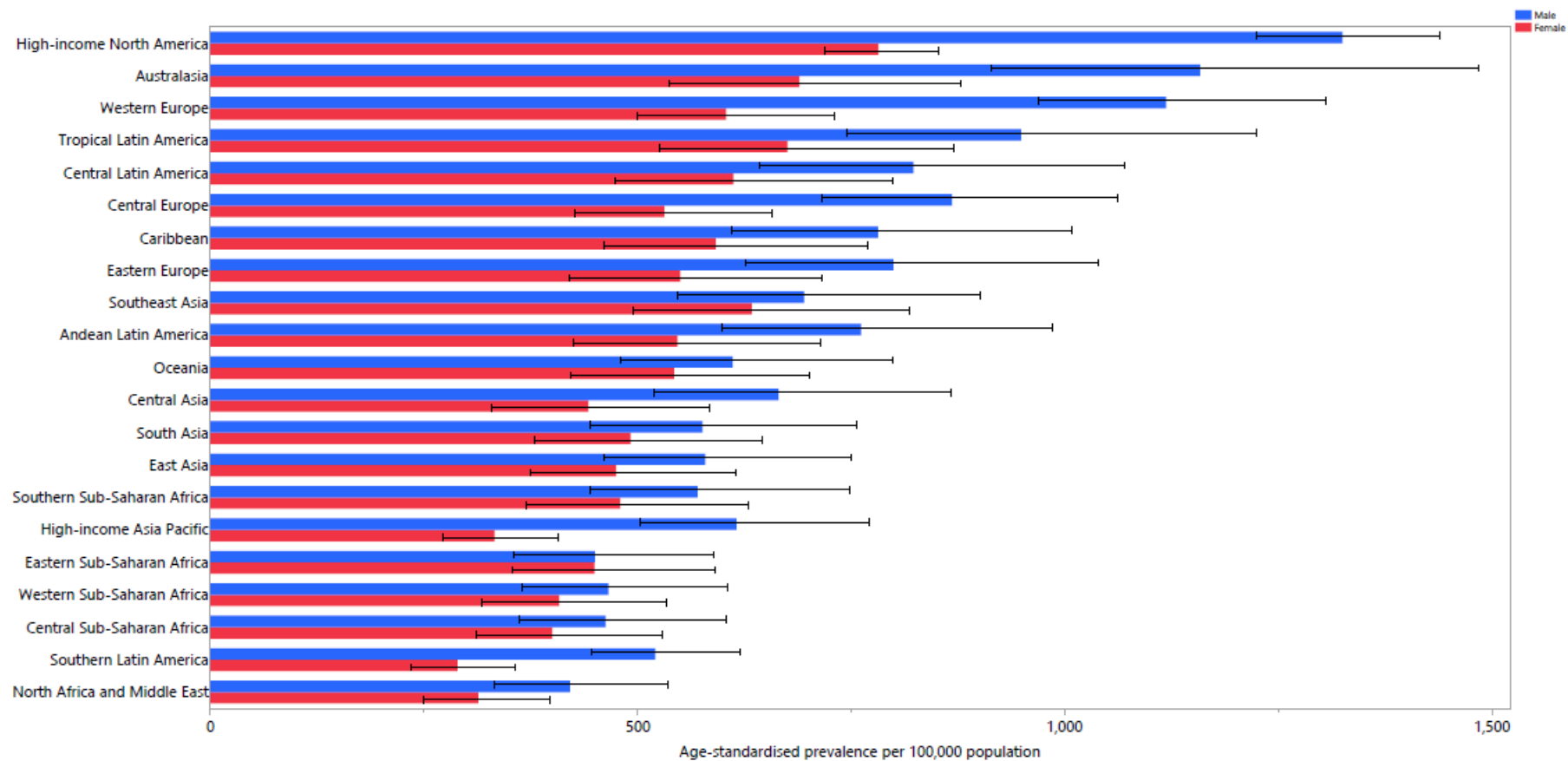


Figure S1: Age-standardised prevalence of atrial fibrillation per 100,000 population in 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

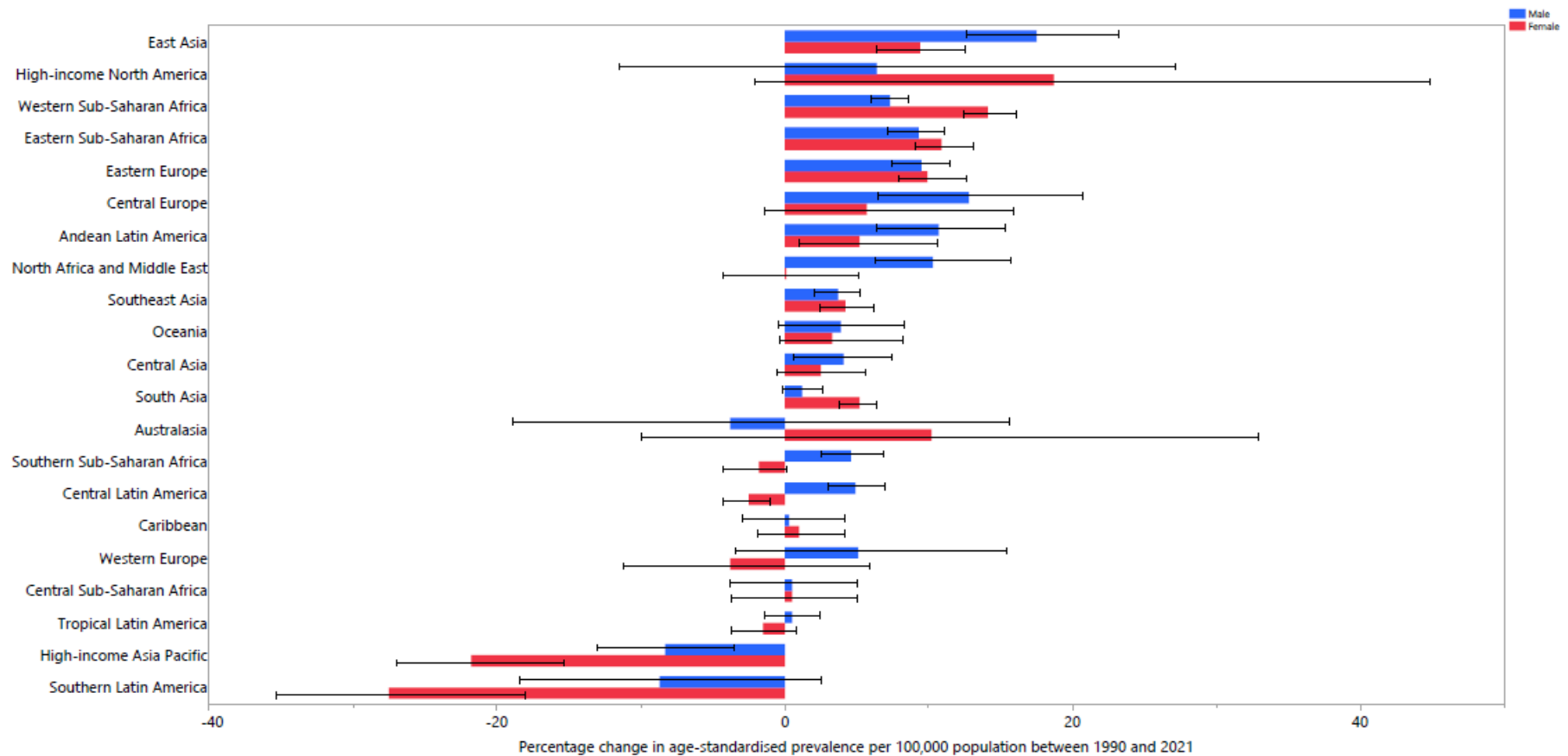


Figure S2: Percentage change in the age-standardised prevalence of atrial fibrillation per 100,000 population from 1990 to 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

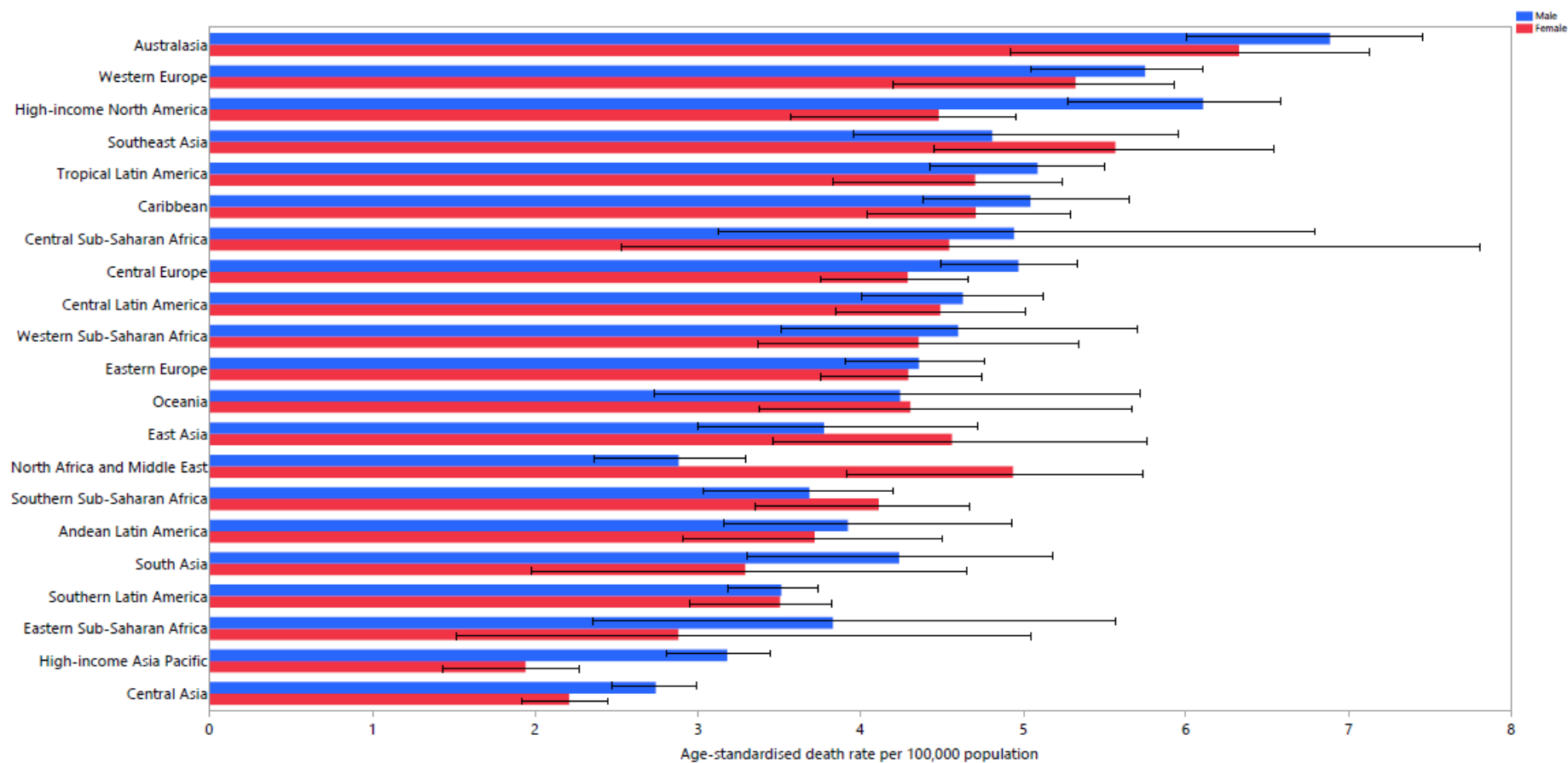


Figure S3: Age-standardised death rate of atrial fibrillation per 100,000 population in 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

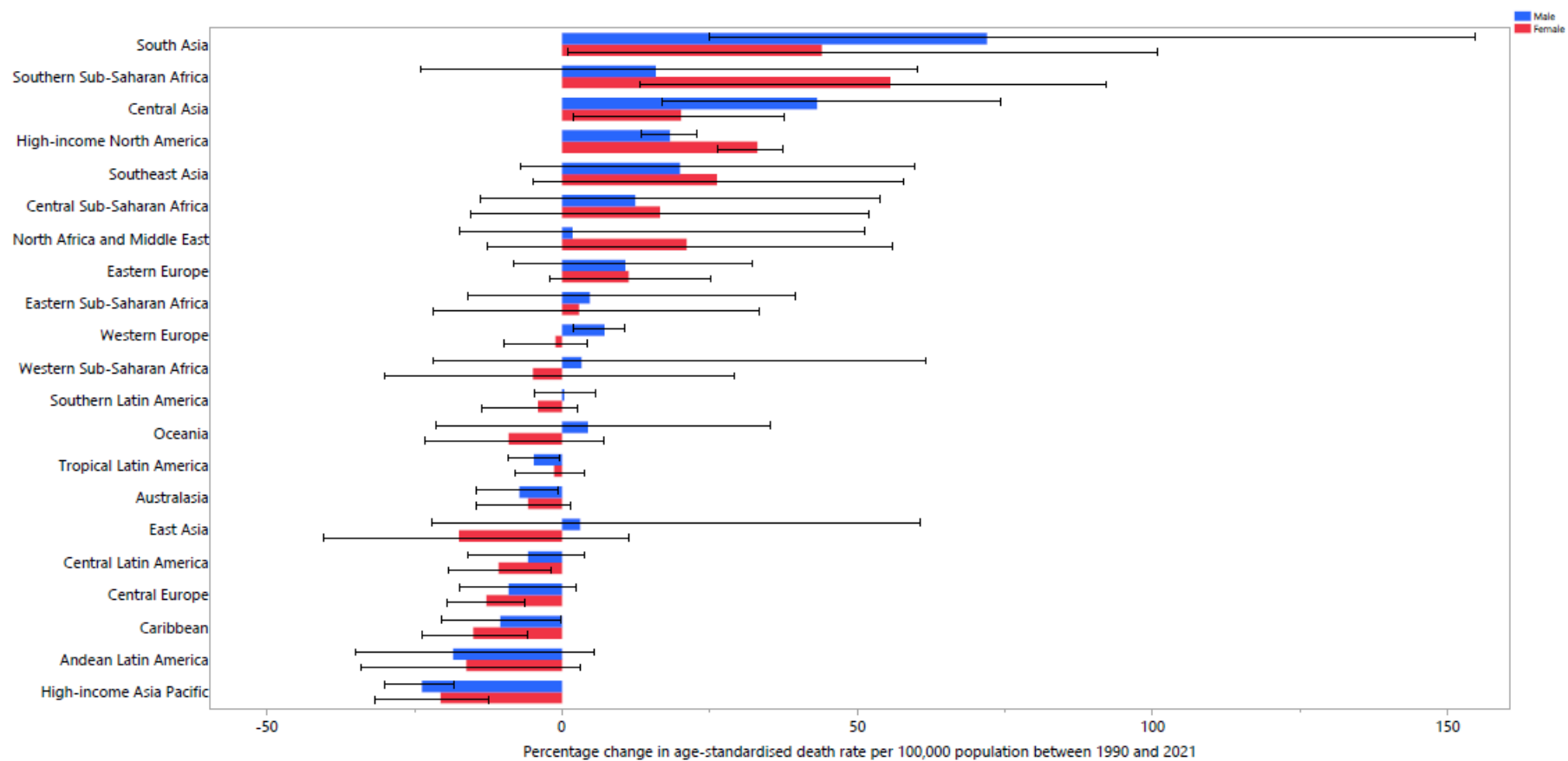


Figure S4: Percentage change in the age-standardised death rate of atrial fibrillation per 100,000 population from 1990 to 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

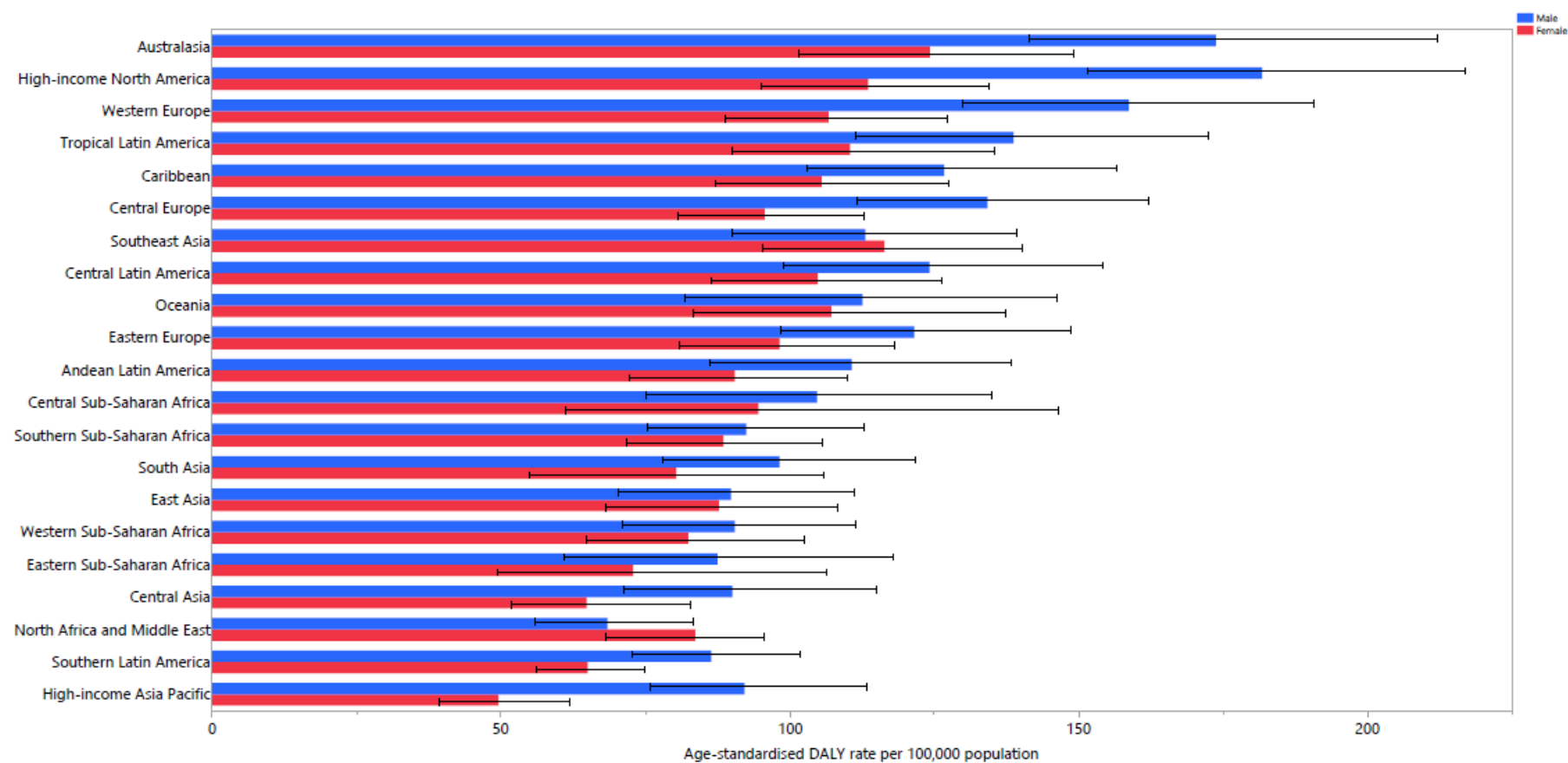


Figure S5: Age-standardised disability-adjusted life years (DALYs) rate of atrial fibrillation per 100,000 population in 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

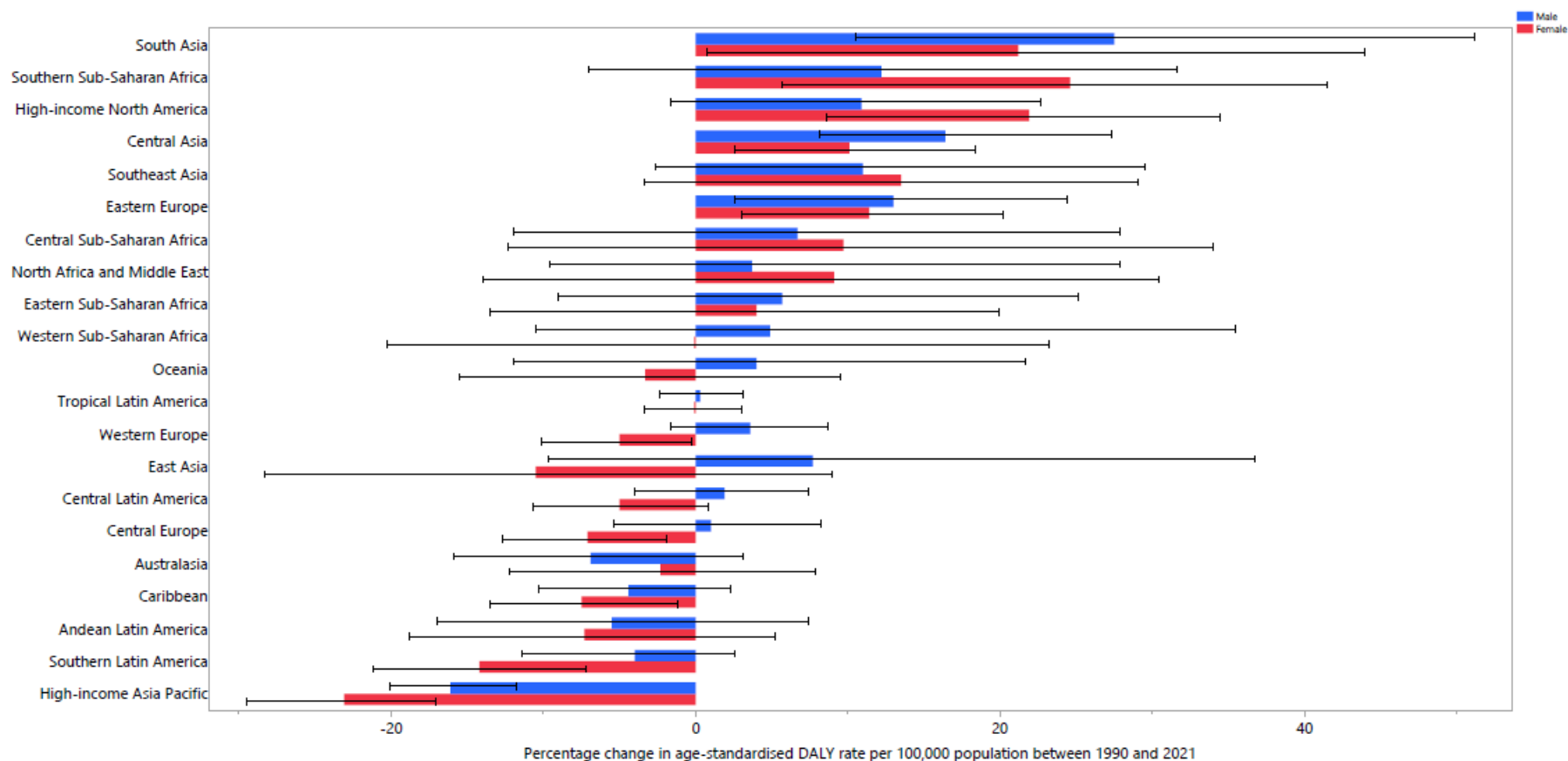


Figure S6: Percentage change in the age-standardised disability-adjusted life years (DALYs) rate of atrial fibrillation per 100,000 population from 1990 to 2021 across the 21 Global Burden of Disease regions, by sex. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

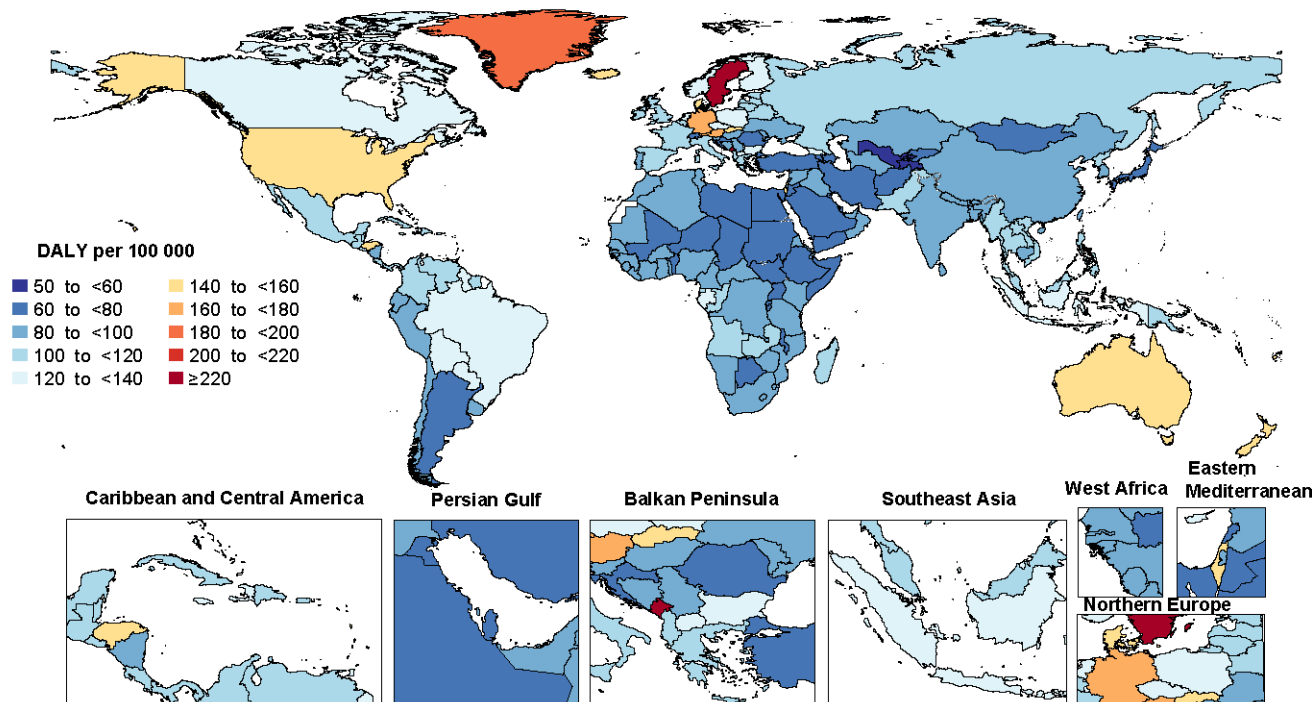


Figure S7: Age-standardised disability-adjusted life years (DALYs) for atrial fibrillation per 100,000 population in 2021, by country. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

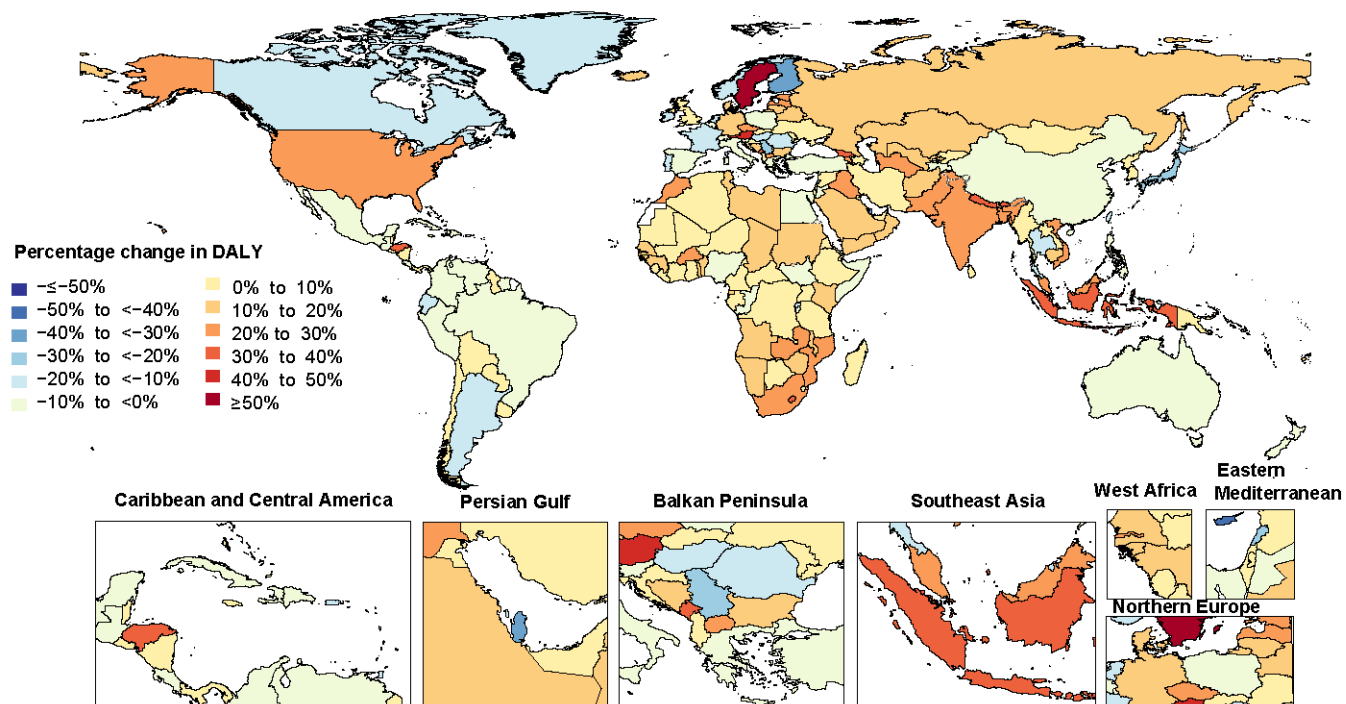


Figure S8: Percentage change in the age-standardised disability-adjusted life years (DALYs) of atrial fibrillation from 1990 to 2021, by country.

(Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

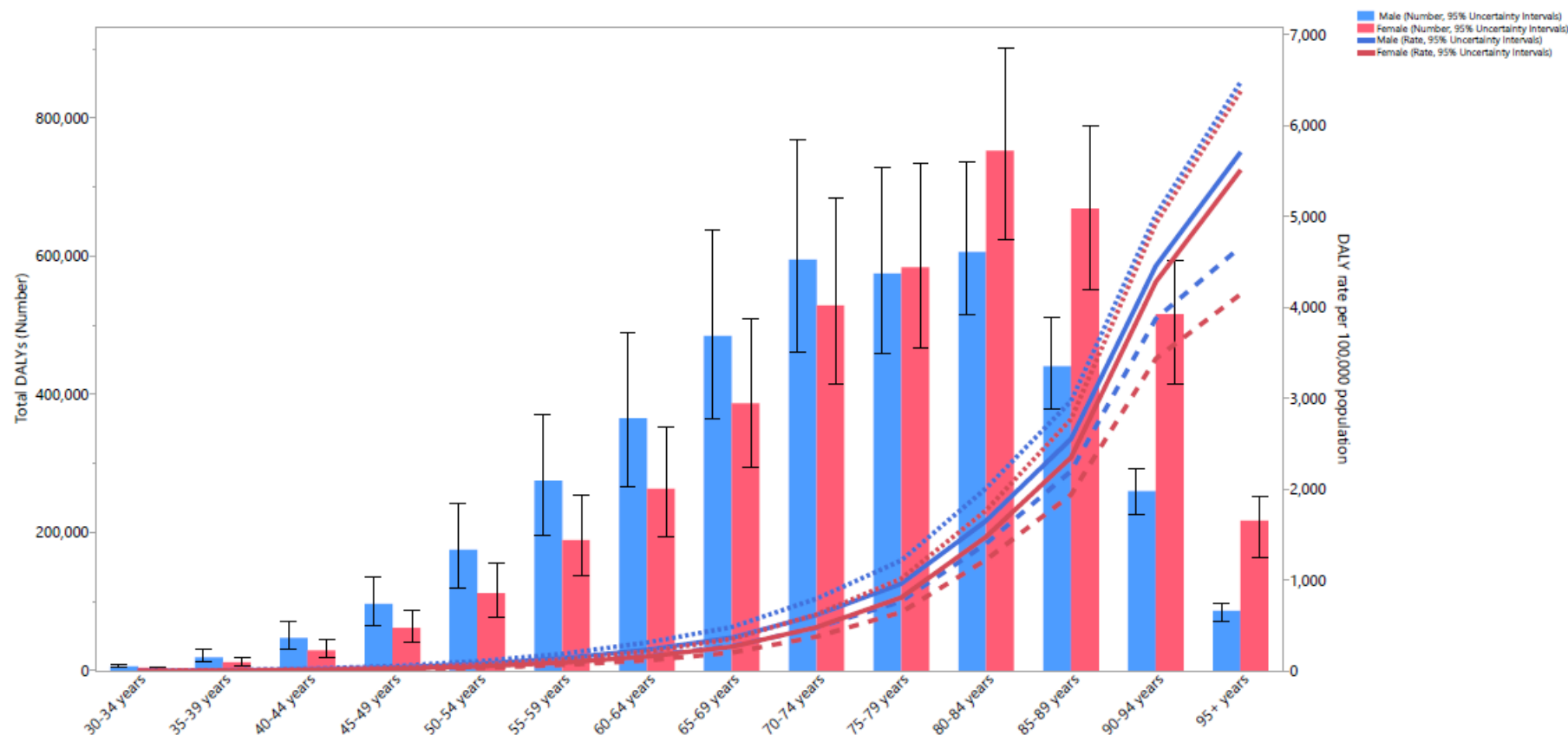


Figure S9: Global disability-adjusted life years (DALYs) and the age-standardised DALYs for atrial fibrillation per 100,000 population, by age and sex, in 2021. Dotted and dashed lines represent the 95% upper and lower uncertainty intervals, respectively. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

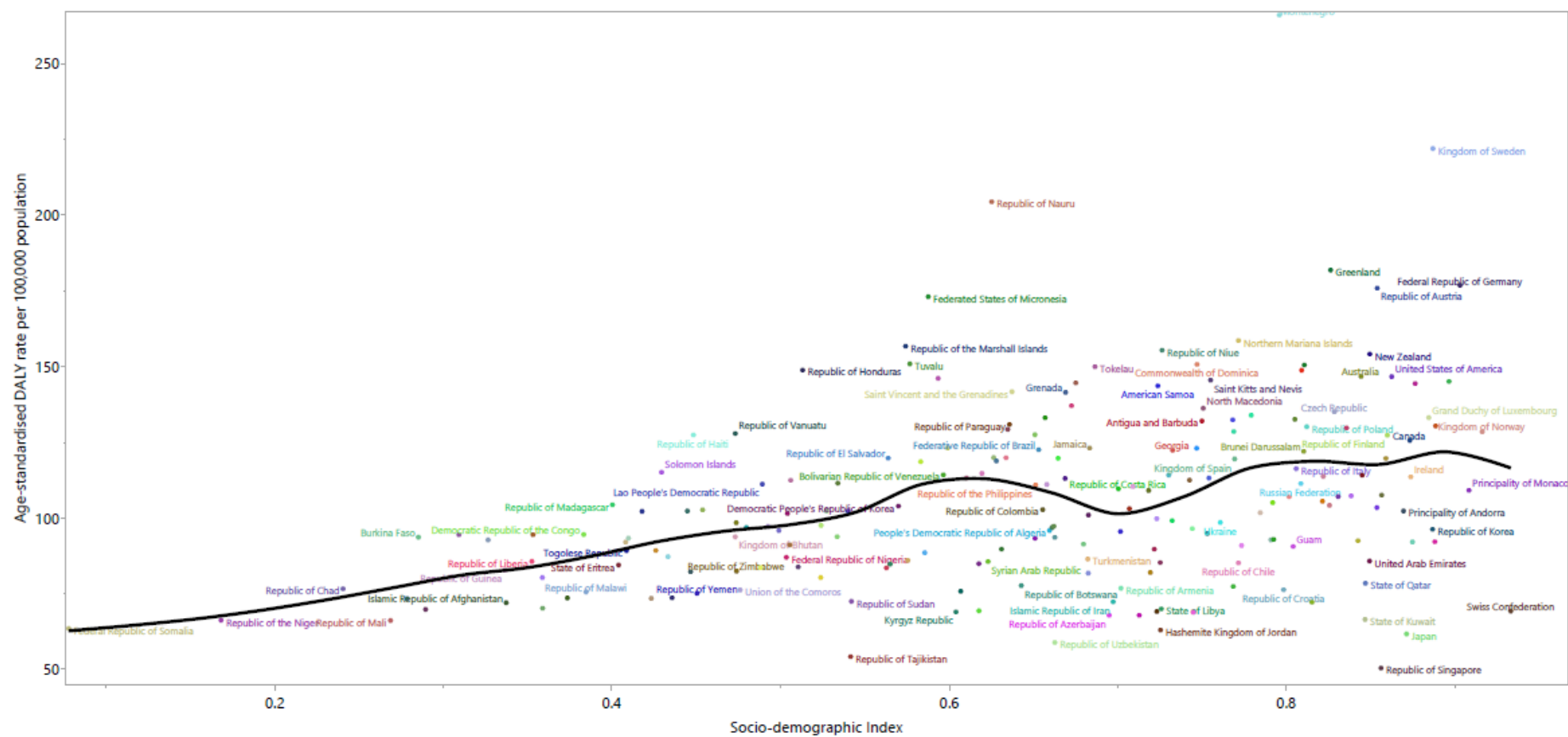


Figure S10: Age-standardised DALY rates for atrial fibrillation per 100,000 population across 204 countries and territories by sociodemographic index (SDI) in 2021. Expected values based on SDI and disease rates in all locations are shown as the black line. DALY: disability-adjusted life year.

(Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

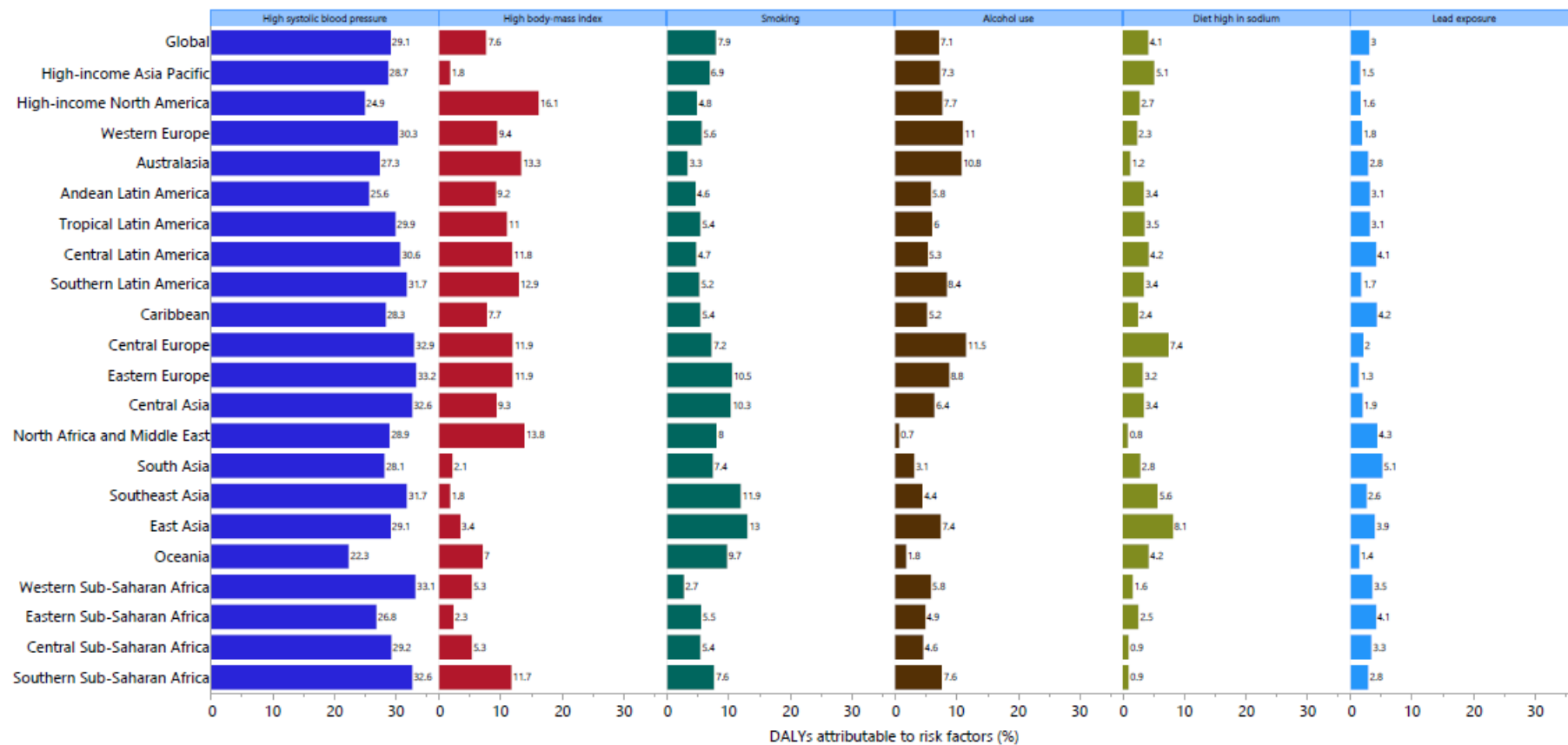


Figure S11: Percentage of atrial fibrillation-related age-standardised DALYs attributable to smoking for males across the 21 Global Burden of Disease regions in 2021. DALY: disability-adjusted life year. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)

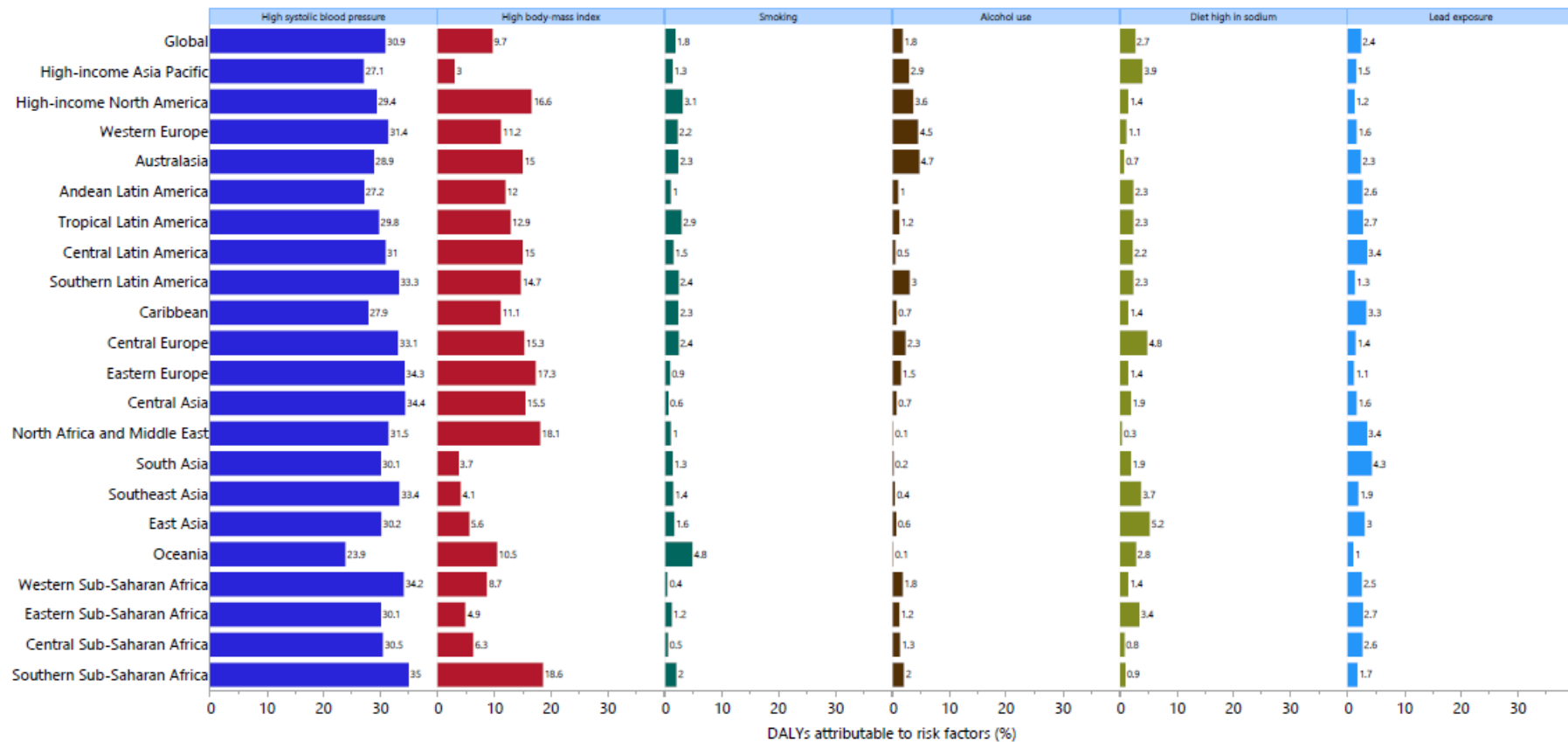


Figure S12: Percentage of atrial fibrillation-related age-standardised DALYs attributable to smoking for females across the 21 Global Burden of Disease regions in 2021. DALY: disability-adjusted life year. (Data sourced from <http://ghdx.healthdata.org/gbd-results-tool>)