

Table S2: Prevalent cases of osteoarthritis in 1990 and 2017 for both sexes and percentage change of age-standardised estimates by location (Generated from data available from http://ghdx.healthdata.org/gbd-results-tool)					
	1990		2017		Percentage change in age-standardised estimates between 1990 and 2017
	Counts (95% UI)	Estimate (95% UI)	Counts (95% UI)	Estimate (95% UI)	
Global	141341439 (126254505, 158838825)	3433.6 (3070.5, 3848.0)	303096523 (273279802, 338631976)	3754.2 (3389.4, 4187.6)	9.3 (8.0, 10.7)
High-income North America	16774130 (15074446, 18636672)	4837.5 (4346.0, 5395.5)	34770565 (32418287, 37420472)	5923.9 (5531.9, 6367.1)	22.5 (16.1, 29.4)
Canada	1165553 (1050130, 1290673)	3556.0 (3205.8, 3940.3)	2696216 (2425191, 3005763)	4241.1 (3824.6, 4715.2)	19.3 (15.5, 23.3)
Greenland	1396 (1243, 1564)	3812.2 (3416.1, 4253.3)	3026 (2699, 3408)	4358.8 (3915.0, 4870.3)	14.3 (10.8, 17.9)
USA	15606805 (14013176, 17359369)	4974.3 (4467.0, 5548.2)	32070714 (29951778, 34515366)	6128.1 (5729.3, 6582.9)	23.2 (16.4, 30.5)
Australasia	950426 (845954, 1065816)	4017.9 (3578.6, 4521.6)	2089509 (1862586, 2337346)	4594.8 (4107.6, 5136.4)	14.4 (11.3, 17.4)
Australia	790396 (702458, 888102)	4007.1 (3560.2, 4503.3)	1753665 (1561171, 1966059)	4581.7 (4085.4, 5128.4)	14.3 (10.8, 18.0)
New Zealand	160030 (142972, 179157)	4072.4 (3632.8, 4564.1)	335844 (299656, 374105)	4665.3 (4181.3, 5207.2)	14.6 (11.1, 18.7)
High-income Asia-Pacific	9417366 (8343627, 10620623)	4526.1 (4013.6, 5096.1)	18167819 (16152189, 20393111)	4575.2 (4068.6, 5147.1)	1.1 (0.0, 2.0)
Brunei	4579 (4056, 5145)	4082.5 (3625.8, 4606.5)	15039 (13252, 17046)	4529.5 (3999.4, 5114.8)	10.9 (6.9, 15.2)
Japan	8036424 (7118904, 9061741)	4618.3 (4102.4, 5197.8)	14266652 (12680060, 15999063)	4719.9 (4195.7, 5317.7)	2.2 (1.4, 3.0)
Singapore	102636 (90605, 116238)	4230.1 (3741.2, 4805.0)	327877 (290436, 371168)	4654.5 (4133.0, 5249.7)	10 (5.8, 14.3)
South Korea	1273727 (1125693, 1445561)	4070.3 (3602.5, 4613.6)	3558251 (3138527, 4026718)	4162.0 (3675.4, 4694.5)	2.3 (-1.7, 6.6)
Western Europe	20583138 (18413760, 23089844)	3607.8 (3233.3, 4036.3)	31911040 (28690949, 35625818)	3866.5 (3478.5, 4309.9)	7.2 (5.9, 8.4)
Andorra	2027 (1812, 2273)	3405.3 (3045.6, 3822.2)	4776 (4264, 5373)	3596.9 (3219.6, 4048.2)	5.6 (2.2, 9.3)
Austria	416370 (372139, 468141)	3595.5 (3211.1, 4051.7)	627501 (559902, 702487)	3810.3 (3408.2, 4257.4)	6.0 (2.4, 9.7)
Belgium	532171 (472640, 593519)	3517.6 (3132.2, 3932.6)	787866 (700315, 876960)	3772.9 (3362.9, 4217.8)	7.3 (3.5, 11.1)
Cyprus	29663 (26552, 33337)	3526.4 (3155.5, 3952.0)	70534 (63062, 79123)	3818.7 (3416.9, 4282.3)	8.3 (4.4, 11.8)
Denmark	283959 (251433, 319048)	3618.9 (3217.5, 4076.6)	410755 (366822, 461468)	3917.8 (3511.7, 4382.2)	8.3 (4.4, 12.2)
Finland	260679 (232333, 292940)	3691.6 (3298.9, 4140.0)	440453 (393235, 492967)	4023.8 (3603.9, 4502.4)	9.0 (5.6, 12.6)
France	2831733 (2531013, 3182239)	3482.7 (3114.9, 3906.4)	4641519 (4142036, 5194879)	3784.2 (3384.7, 4256.2)	8.7 (5.3, 12.6)
Germany	4602274 (4100611, 5162004)	3667.6 (3277.8, 4113.6)	6751875 (6050156, 7555200)	3957.7 (3540.6, 4422.3)	7.9 (4.1, 11.8)
Greece	555084	3655.5	847931	3958.4	8.3

	(491138, 625051)	(3253.9, 4112.3)	(756928, 949726)	(3538.4, 4446.3)	(5.0, 12.1)
Iceland	10636 (9555, 11926)	3759.7 (3377.4, 4223.2)	20949 (18754, 23322)	4120.7 (3694.6, 4593)	9.6 (5.8, 13.3)
Ireland	145145 (129636, 162477)	3575.5 (3201.8, 4008.0)	273507 (244108, 306908)	3888.6 (3478.1, 4352.3)	8.8 (4.9, 12.4)
Israel	174482 (155662, 195235)	3592.1 (3200.8, 4019.2)	420209 (375185, 471551)	3895.7 (3471.9, 4370.7)	8.5 (4.6, 11.9)
Italy	3090600 (2745247, 3476285)	3517.5 (3131.8, 3953.7)	4709126 (4217263, 5276644)	3646.1 (3265.8, 4088.3)	3.7 (-0.2, 7.6)
Luxembourg	19997 (17813, 22477)	3638.2 (3239.3, 4085.8)	36215 (32335, 40543)	3902.3 (3478.4, 4379.0)	7.3 (3.4, 11.2)
Malta	16207 (14501, 18170)	3741.7 (3349.3, 4195.4)	34180 (30415, 38569)	4130.5 (3690.9, 4632.4)	10.4 (6.7, 14.3)
Netherlands	721592 (643826, 807461)	3639.6 (3242.3, 4080.1)	1213715 (1080967, 1364685)	3876.4 (3466.9, 4351.5)	6.5 (2.8, 10.3)
Norway	226275 (202404, 252829)	3523.8 (3160.4, 3939.2)	335830 (300822, 375637)	3818.8 (3427.7, 4261.2)	8.4 (7.1, 9.6)
Portugal	504363 (449610, 567031)	3629.4 (3243.4, 4066.7)	873194 (787493, 971655)	4020.6 (3615.5, 4466.0)	10.8 (6.6, 15.5)
Spain	1886559 (1683070, 2103463)	3444.4 (3083.7, 3839.4)	3293971 (2965632, 3660843)	3731.7 (3364.7, 4145.9)	8.3 (4.5, 12.0)
Sweden	452955 (400496, 511468)	3173.4 (2812.9, 3588.2)	645380 (570154, 727043)	3451.4 (3062.6, 3891.7)	8.8 (5.7, 12.0)
Switzerland	353531 (316398, 396893)	3455.5 (3090.4, 3884.5)	570984 (509987, 642111)	3621.1 (3225.4, 4079.0)	4.8 (1.2, 8.1)
United Kingdom	3446985 (3077916, 3849179)	3919.4 (3512.1, 4385.4)	4867505 (4365852, 5439249)	4212.7 (3780.6, 4700.7)	7.5 (6.9, 8.1)
Southern Latin America	1921177 (1714039, 2154725)	4074.8 (3639, 4567.1)	3675393 (3285413, 4124525)	4560.1 (4080.1, 5116.2)	11.9 (9.2, 15.2)
Argentina	1332417 (1186881, 1493851)	4051.5 (3613.4, 4540.2)	2361620 (2113121, 2652991)	4512.8 (4036.7, 5074.6)	11.4 (7.4, 16)
Chile	429701 (382764, 484137)	4145.1 (3698.8, 4666.1)	1075538 (958049, 1209943)	4639.6 (4141.7, 5214.1)	11.9 (8.6, 16.2)
Uruguay	158981 (141763, 177663)	4079.5 (3641.7, 4562.4)	238071 (212441, 266137)	4674.9 (4167.7, 5229.7)	14.6 (10.8, 19.1)
Eastern Europe	8946187 (7967033, 10048670)	3161.8 (2826.7, 3547.6)	11663757 (10426512, 13061752)	3455.5 (3092.5, 3858.6)	9.3 (8.3, 10.5)
Belarus	414326 (367958, 467520)	3143.0 (2800.2, 3528.2)	529542 (471404, 595934)	3396.4 (3028.0, 3820.3)	8.1 (4.2, 12.0)
Estonia	64661 (57561, 72910)	3123.7 (2784.1, 3514.2)	83590 (74803, 93568)	3428.8 (3074.2, 3834.2)	9.8 (6.0, 13.6)
Latvia	117986 (104781, 133299)	3235.0 (2881.8, 3654.1)	128279 (114108, 143806)	3438.8 (3059.7, 3855.8)	6.3 (2.4, 10.1)
Lithuania	144620 (128451, 162696)	3129.8 (2786.1, 3519.0)	182510 (162912, 205574)	3380.0 (3016.5, 3798.2)	8.0 (4.4, 12.0)
Moldova	141422 (125793, 159453)	3124.4 (2787.7, 3511.1)	191056 (169690, 213942)	3404.7 (3034.4, 3810.1)	9.0 (5.3, 12.9)
Russia	5768724 (5146079, 6488079)	3151.5 (2822.5, 3532.7)	8016726 (7167348, 8977631)	3494.8 (3129.1, 3906.2)	10.9 (10.1, 11.8)
Ukraine	2294448 (2038240, 2573611)	3193.4 (2842.5, 3580.7)	2532053 (2252374, 2844714)	3358.0 (2993.2, 3775.7)	5.2 (1.5, 9.0)
Central Europe	4426786 (3952508, 4964129)	2946.1 (2636.7, 3299.4)	6419698 (5745349, 7193076)	3164.5 (2838.2, 3531.6)	7.4 (5.7, 9.0)

Albania	59502 (53230, 66558)	2675.2 (2390.6, 2989.7)	121326 (108274, 136584)	2947.3 (2637.7, 3309.9)	10.2 (6.3, 14.3)
Bosnia and Herzegovina	116135 (103044, 130836)	2727.4 (2428.2, 3056.5)	176958 (156983, 198786)	3048.2 (2720.9, 3414)	11.8 (8.1, 15.6)
Bulgaria	392233 (347044, 440645)	3081.0 (2732.8, 3455.3)	432773 (384447, 485042)	3106.8 (2774, 3485.5)	0.8 (-2.4, 4.3)
Croatia	190524 (169380, 214363)	2929.6 (2610.2, 3283.6)	254153 (226260, 285657)	3120 (2787.7, 3496.7)	6.5 (3.1, 10.3)
Czech Republic	408339 (364019, 458583)	2985.5 (2663.0, 3351.5)	607109 (542431, 682101)	3129.8 (2800.4, 3515.4)	4.8 (1.3, 8.3)
Hungary	467787 (417523, 525638)	3150.6 (2815.5, 3542.3)	582926 (519728, 655811)	3223.5 (2879.6, 3613.7)	2.3 (-1.1, 5.6)
Macedonia	57813 (51551, 64990)	3002.2 (2686.8, 3366.5)	106929 (95111, 120127)	3226.6 (2880.7, 3621.2)	7.5 (4.0, 11.1)
Montenegro	19171 (17056, 21528)	2987.1 (2662.1, 3347.3)	29956 (26682, 33692)	3085 (2762.8, 3464.5)	3.3 (0.1, 6.4)
Poland	1296657 (1156057, 1457785)	2885.2 (2575.4, 3245.2)	2094572 (1873888, 2343804)	3170.7 (2835.2, 3541)	9.9 (6.0, 13.7)
Romania	804754 (717008, 903763)	2837.9 (2532.3, 3179.3)	1113449 (994070, 1251466)	3165.8 (2823.9, 3552.4)	11.6 (8.1, 15.1)
Serbia	357175 (317472, 402901)	3064.1 (2737.9, 3438.9)	494349 (439535, 556127)	3268.0 (2915.2, 3662.2)	6.7 (2.9, 10.0)
Slovakia	183987 (164296, 206533)	3061.7 (2742.2, 3439.2)	279785 (249449, 314445)	3177.9 (2836.6, 3565.1)	3.8 (0.5, 7.1)
Slovenia	72708 (64616, 82027)	2929.1 (2613.6, 3299.4)	125412 (111607, 141096)	3187.3 (2846.9, 3578.6)	8.8 (5.3, 12.4)
Central Asia	1186592 (1065069, 1324752)	2471.6 (2223.2, 2760.9)	2032808 (1823055, 2271458)	2678.5 (2402.0, 2987.9)	8.4 (6.9, 10.0)
Armenia	68854 (61590, 77243)	2468.2 (2214.6, 2758.4)	110729 (99282, 123866)	2695 (2421.4, 3012.6)	9.2 (5.8, 13.0)
Azerbaijan	125741 (112348, 140966)	2434.1 (2180.3, 2721.8)	262649 (235314, 296423)	2738.5 (2457.4, 3069.0)	12.5 (9.0, 16.1)
Georgia	157897 (141049, 176708)	2531.5 (2264.3, 2826.9)	155628 (139147, 174721)	2708.5 (2424.5, 3033.1)	7.0 (3.5, 10.7)
Kazakhstan	339335 (303345, 380749)	2575 (2299.7, 2879.2)	471400 (421267, 527007)	2741.9 (2453.2, 3054.1)	6.5 (3.0, 9.8)
Kyrgyzstan	73608 (65755, 82796)	2412.3 (2155.6, 2713.2)	116276 (103730, 130329)	2549.5 (2276.6, 2856.7)	5.7 (1.9, 9.2)
Mongolia	25387 (22777, 28408)	2359.6 (2110.7, 2639.9)	59107 (52611, 66698)	2536.2 (2271.4, 2840.2)	7.5 (4.0, 11.0)
Tajikistan	65489 (58709, 73137)	2290.8 (2052.6, 2555.7)	132281 (118646, 148891)	2454.5 (2201.9, 2754.3)	7.1 (3.6, 10.5)
Turkmenistan	47314 (42357, 53156)	2406.2 (2155.7, 2706.9)	107460 (95799, 120947)	2732.9 (2448.9, 3055.4)	13.6 (9.9, 17.9)
Uzbekistan	282966 (253433, 316492)	2421.8 (2168.9, 2711.6)	617279 (551308, 695705)	2676.2 (2393.8, 3008.1)	10.5 (7.2, 14.0)
Central Latin America	2319597 (2089951, 2580260)	2608 (2347.3, 2900.3)	6924973 (6233875, 7706866)	2932.5 (2645, 3259.6)	12.4 (11.3, 13.5)
Colombia	445303 (400087, 498039)	2386.2 (2141.2, 2661.1)	1477393 (1326149, 1648485)	2733.1 (2452, 3049.5)	14.5 (11.0, 18.2)
Costa Rica	46877 (42135, 52218)	2559.9 (2297.3, 2852.5)	143753 (128964, 160827)	2880.3 (2584.7, 3220.1)	12.5 (9.1, 15.8)
El Salvador	77003	2521.6	165188	2921.7	15.9

	(68602, 86228)	(2245.7, 2826.1)	(148357, 183808)	(2621.5, 3254.5)	(12.4, 19.7)
Guatemala	90967 (81602, 101828)	2341.1 (2105.8, 2615.0)	301823 (271055, 336496)	2747.6 (2465.8, 3058.4)	17.4 (13.7, 21.5)
Honduras	51781 (46582, 57679)	2380.3 (2136.6, 2649.6)	171309 (154124, 190808)	2806.3 (2520.8, 3133.9)	17.9 (14.4, 21.5)
Mexico	1262690 (1136995, 1406237)	2754.8 (2477.2, 3058.2)	3577472 (3226624, 3985872)	3057.0 (2759.1, 3395.3)	11.0 (10.2, 11.8)
Nicaragua	43995 (39550, 48969)	2659.7 (2390.2, 2958.6)	144693 (130102, 161219)	3110.1 (2792.3, 3464.7)	16.9 (13.4, 20.3)
Panama	34384 (30902, 38324)	2216.9 (1989.9, 2479.8)	101854 (91641, 114244)	2560.9 (2304.4, 2871.1)	15.5 (11.6, 19.6)
Venezuela	266596 (239242, 297260)	2588.9 (2325.7, 2888.4)	841489 (755594, 937149)	2932.1 (2638.8, 3255.5)	13.3 (10.0, 16.7)
Andean Latin America	632542 (566714, 707200)	2940.3 (2634.2, 3284.8)	1804808 (1624013, 2012570)	3310.2 (2978.7, 3690.1)	12.6 (10.1, 15.2)
Bolivia	95696 (85744, 106838)	2844.5 (2548.3, 3170.4)	288930 (258506, 323456)	3283.9 (2935.9, 3665.5)	15.4 (11.9, 18.8)
Ecuador	176873 (158699, 197952)	3146.1 (2818.1, 3532.4)	516428 (463652, 576893)	3466.6 (3112.2, 3869.5)	10.2 (5.1, 14.5)
Peru	359972 (321439, 402877)	2873.6 (2565.6, 3221.1)	999450 (895061, 1116488)	3242.0 (2899.6, 3622.0)	12.8 (9.4, 16.7)
Caribbean	726725 (651223, 811915)	2723.1 (2439.7, 3040)	1518290 (1363025, 1695166)	2978.1 (2675, 3321.5)	9.4 (7.7, 11.0)
Antigua and Barbuda	1507 (1346, 1691)	2932.1 (2612.5, 3298.2)	3386 (3032, 3770)	3273.4 (2936.8, 3633.2)	11.6 (8.1, 15.6)
The Bahamas	4635 (4152, 5198)	2858.6 (2557.4, 3209.3)	11599 (10373, 13045)	2995.3 (2677.7, 3359.2)	4.8 (1.5, 8.3)
Barbados	8600 (7726, 9616)	3028.8 (2718.6, 3401.4)	15242 (13526, 17069)	3229.0 (2881.4, 3609.3)	6.6 (3.2, 10.4)
Belize	2758 (2469, 3090)	2880.0 (2573.3, 3225.6)	8899 (7990, 9964)	3287.6 (2947.9, 3673.4)	14.2 (10.4, 18.0)
Bermuda	2059 (1838, 2302)	3179.7 (2841.9, 3556.1)	4145 (3706, 4646)	3454.7 (3103.0, 3871.4)	8.7 (5.2, 12.2)
Cuba	288095 (258093, 322876)	2763.5 (2474.1, 3096.9)	549756 (492393, 616233)	3007.2 (2696.5, 3362.9)	8.8 (5.2, 12.3)
Dominica	1929 (1718, 2163)	2774.9 (2480.2, 3106.5)	2776 (2486, 3109)	3062.1 (2744.8, 3426.6)	10.3 (6.9, 14.0)
Dominican Republic	103675 (92992, 116061)	2631.6 (2349.2, 2948.6)	270589 (242465, 303292)	2910.6 (2609.3, 3258.1)	10.6 (7.1, 14.3)
Grenada	1868 (1670, 2089)	2706.0 (2413.4, 3040.2)	4528 (4041, 5043)	3058.2 (2734.9, 3414.7)	13.0 (9.3, 16.8)
Guyana	11052 (9895, 12397)	2748.3 (2455.5, 3070.2)	19106 (17107, 21493)	3043.7 (2727.8, 3398.8)	10.7 (7.3, 14.6)
Haiti	78113 (69850, 88130)	2337.8 (2091.8, 2620.8)	176810 (158474, 198372)	2527.1 (2265.9, 2830.9)	8.1 (4.3, 11.5)
Jamaica	49208 (43825, 54929)	2769.6 (2467.6, 3087.9)	89689 (80311, 100777)	3091.1 (2769.8, 3472.6)	11.6 (7.9, 15.5)
Puerto Rico	107874 (96403, 120730)	2913.7 (2608.2, 3262.1)	211992 (189237, 237884)	3264.7 (2920.4, 3654.0)	12.0 (8.4, 16.3)
Saint Lucia	2619 (2346, 2935)	2906.0 (2600.8, 3262.8)	6849 (6121, 7697)	3255.0 (2916.7, 3655.3)	12.0 (8.7, 15.8)
Saint Vincent and the Grenadines	2270 (2028, 2540)	3092.9 (2753.6, 3472.0)	5043 (4540, 5653)	3678.5 (3315.0, 4120.0)	18.9 (15.0, 22.9)

Suriname	7107 (6378, 8000)	2692.6 (2416.4, 3023.1)	18275 (16376, 20485)	3090.6 (2766.9, 3456.9)	14.8 (11.5, 18.6)
Trinidad and Tobago	25757 (23026, 28792)	2949.4 (2636.1, 3300.0)	59210 (52839, 66491)	3273.5 (2930.2, 3665.9)	11.0 (7.3, 14.8)
Virgin Islands	2730 (2447, 3083)	3017.7 (2703.3, 3393.0)	5799 (5188, 6508)	3220.3 (2891.2, 3608.7)	6.7 (3.6, 10.4)
Tropical Latin America	2644452 (2373673, 2953927)	2753.3 (2464.3, 3078.5)	7410776 (6646605, 8289872)	3139.5 (2817.5, 3505.2)	14.0 (12.8, 15.2)
Brazil	2582615 (2317100, 2885968)	2754.8 (2466.5, 3078.9)	7248483 (6501006, 8108722)	3142.8 (2820.5, 3511.1)	14.1 (12.8, 15.2)
Paraguay	61837 (55385, 69237)	2692.5 (2413.1, 3013.4)	162292 (145185, 181536)	2997.8 (2686.4, 3346.4)	11.3 (7.9, 14.8)
East Asia	27265526 (23874657, 31060311)	2859.7 (2521.4, 3250.0)	63735870 (56291607, 72088681)	3042.9 (2693.2, 3435.4)	6.4 (4.1, 8.9)
China	26071222 (22829099, 29694866)	2886.5 (2544.6, 3281.6)	61190477 (54040132, 69208793)	3073.2 (2719.4, 3470.6)	6.5 (4.1, 9.1)
North Korea	387605 (339785, 441002)	2238.9 (1977.2, 2530.1)	728175 (642209, 825105)	2290.7 (2025.1, 2590.9)	2.3 (-1.6, 6.4)
Taiwan (Province of China)	352450 (312800, 397971)	2095.3 (1861.8, 2367.7)	790469 (704696, 884556)	2090.3 (1870.8, 2333.8)	-0.2 (-6.3, 5.1)
Southeast Asia	8358460 (7350122, 9489363)	3074.8 (2718.4, 3480.9)	21422438 (18802804, 24395011)	3475.7 (3075.0, 3942.2)	13.0 (11.6, 14.7)
Cambodia	143722 (125967, 163786)	3003.8 (2642.7, 3411.4)	383436 (335478, 437577)	3245.5 (2854, 3691.7)	8.0 (3.9, 12.7)
Indonesia	3231744 (2836133, 3674565)	3060.7 (2708.7, 3469.3)	7849070 (6893619, 8921378)	3464.1 (3068.2, 3911.4)	13.2 (11.5, 14.8)
Laos	65484 (57610, 74685)	3003.1 (2645.9, 3422.4)	149409 (130897, 169923)	3345.0 (2949.9, 3791.5)	11.4 (6.9, 15.8)
Malaysia	334914 (293898, 381400)	3374.1 (2968.3, 3844.4)	1057932 (933372, 1205539)	3955.3 (3494.4, 4502.4)	17.2 (12.2, 22.6)
Maldives	3130 (2741, 3584)	3184.7 (2815.4, 3610.3)	12576 (11054, 14297)	3915.2 (3450.1, 4483.6)	22.9 (18.4, 27.8)
Mauritius	26540 (23242, 30264)	3427.7 (3004.2, 3920.6)	68534 (60078, 78005)	4006.6 (3539.0, 4541.6)	16.9 (11.9, 21.5)
Myanmar	728172 (639756, 827480)	3016.8 (2658.5, 3421.3)	1583622 (1388066, 1815420)	3386.5 (2994.9, 3876.6)	12.3 (8.2, 16.8)
Philippines	934865 (823686, 1065665)	2908.1 (2568.2, 3314.7)	2415267 (2123558, 2747413)	3193.2 (2814.3, 3624.5)	9.8 (5.0, 15.4)
Sri Lanka	358117 (314549, 408728)	3095.7 (2732.1, 3521.7)	868186 (757907, 990221)	3446.5 (3019.9, 3919.8)	11.3 (6.6, 16.7)
Seychelles	2124 (1868, 2422)	3747.6 (3291.9, 4276.6)	4909 (4309, 5588)	4389.9 (3874.8, 4987.9)	17.1 (12.9, 21.8)
Thailand	1183892 (1038036, 1349844)	3062.5 (2702.7, 3478.5)	3685819 (3229937, 4184956)	3671.0 (3229.2, 4156.0)	19.9 (15.3, 25.8)
Timor-Leste	9418 (8254, 10780)	2919.0 (2583.0, 3311.5)	25127 (22043, 28571)	3088.9 (2720.2, 3511.4)	5.8 (1.9, 10.3)
Vietnam	1325246 (1160093, 1515265)	3208.3 (2811.0, 3670.7)	3290363 (2880000, 3776081)	3458.2 (3032.9, 3949.3)	7.8 (3.8, 12.5)
Oceania	100343 (88454, 113840)	3235.3 (2872.3, 3655.9)	240745 (212539, 273478)	3441.2 (3056.9, 3883.9)	6.4 (3.3, 8.9)
American Samoa	1210 (1070, 1366)	4783.3 (4258.8, 5385.2)	2454 (2161, 2788)	5281.0 (4688.0, 5965.9)	10.4 (6.1, 14.8)
Federated States	1836	3638.3	3093	4131.5	13.6

of Micronesia	(1622, 2087)	(3216.7, 4142.8)	(2714, 3537)	(3650.9, 4695.9)	(9.2, 18.5)
Fiji	14207 (12514, 16144)	3524.8 (3131.8, 3987.0)	30784 (27141, 34971)	3966.7 (3523.3, 4484.9)	12.5 (8.2, 16.4)
Guam	3112 (2748, 3539)	3631.3 (3229.1, 4109.4)	7541 (6591, 8562)	4102.2 (3604.2, 4640.3)	13.0 (8.6, 17.8)
Kiribati	1467 (1297, 1662)	3721.7 (3301.7, 4201.3)	3028 (2664, 3435)	4195.5 (3714.5, 4744.1)	12.7 (8.9, 16.6)
Marshall Islands	678 (600, 765)	3843.2 (3404.6, 4349.0)	1481 (1304, 1686)	4172.4 (3697.6, 4711.5)	8.6 (4.7, 12.5)
Northern Mariana Islands	828 (729, 938)	3685.9 (3267.9, 4161.1)	2223 (1949, 2540)	3884.2 (3460.0, 4392.9)	5.4 (1.5, 9.6)
Papua New Guinea	57243 (50218, 65269)	2997.1 (2656.5, 3391.2)	148017 (130309, 168469)	3160.5 (2808.6, 3579.8)	5.5 (0.6, 9.6)
Samoa	3662 (3227, 4147)	4212.7 (3728.5, 4768.1)	6475 (5714, 7340)	4578.7 (4057.8, 5169.2)	8.7 (4.7, 12.8)
Solomon Islands	4845 (4288, 5502)	3273.8 (2918.2, 3689.2)	12524 (11058, 14196)	3676.0 (3262.0, 4160.6)	12.3 (7.8, 16.9)
Tonga	2428 (2143, 2758)	4204.2 (3728.2, 4760.8)	3837 (3394, 4346)	4702.4 (4159.3, 5327.6)	11.8 (7.3, 16.7)
Vanuatu	2205 (1959, 2497)	3132.2 (2779.4, 3537.4)	6023 (5323, 6814)	3482.6 (3087.9, 3922.1)	11.2 (7.2, 15.8)
North Africa and Middle East	7334560 (6486385, 8317833)	4085.4 (3627.5, 4625.1)	20304555 (17968673, 22963757)	4609.8 (4085.1, 5200)	12.8 (11.4, 14.1)
Afghanistan	270718 (237723, 309671)	3776.0 (3345.1, 4280.7)	429083 (376370, 487969)	3817.5 (3367.3, 4329.6)	1.1 (-3.0, 5.0)
Algeria	474752 (418902, 539549)	3670.8 (3235.3, 4167.4)	1479293 (1304834, 1678101)	4353.3 (3833.5, 4940.3)	18.6 (14.6, 23)
Bahrain	9331 (8254, 10545)	4250.5 (3765.3, 4838.7)	57339 (50386, 65420)	4787.8 (4234.3, 5419.7)	12.6 (8.3, 16.9)
Egypt	1287019 (1135905, 1479432)	4367.4 (3884.8, 4986.7)	3131012 (2757713, 3569526)	5018.3 (4448.4, 5686.9)	14.9 (10.4, 18.8)
Iran	1244852 (1099454, 1414603)	4456.9 (3950.8, 5046.1)	3582332 (3172623, 4043069)	4895.1 (4346.3, 5529.1)	9.8 (8.7, 11.0)
Iraq	363334 (322388, 411256)	4517.6 (4015.1, 5111.3)	1121281 (986989, 1270866)	4605.1 (4065.7, 5199.2)	1.9 (-1.8, 5.9)
Jordan	64923 (57154, 73762)	4358.4 (3856.5, 4948.1)	321762 (283406, 364811)	4999.6 (4411.7, 5649.1)	14.7 (9.9, 19.4)
Kuwait	35008 (30971, 39772)	4567.7 (4044.6, 5185.9)	157103 (138595, 179130)	5234.6 (4643.2, 5953.6)	14.6 (10.1, 18.9)
Lebanon	87708 (77711, 99769)	3804.9 (3381.0, 4311.1)	265769 (235607, 301067)	4358.2 (3866.4, 4952.0)	14.5 (10.5, 18.7)
Libya	89514 (79461, 101509)	4485.6 (3973.1, 5096.3)	247186 (217866, 280712)	5005.3 (4417.1, 5664.0)	11.6 (7.4, 15.3)
Morocco	546664 (481722, 621578)	3689.8 (3255.8, 4194.3)	1394394 (1233762, 1580966)	4269.8 (3782.3, 4836.1)	15.7 (11.5, 19.6)
Palestine	37966 (33503, 43020)	4197.1 (3707.1, 4762.3)	116572 (102583, 131977)	4501.1 (3981.9, 5077.9)	7.2 (3.5, 11.6)
Oman	28121 (24905, 31800)	3690.2 (3258.1, 4181.4)	112851 (99116, 127846)	4780.9 (4228.0, 5411.3)	29.6 (24.8, 34.9)
Qatar	8843 (7734, 10005)	5071.9 (4488.5, 5701.6)	74874 (65545, 84875)	5195.6 (4592.9, 5874.9)	2.4 (-1.8, 6.6)
Saudi Arabia	284167 (251448, 322244)	4192.9 (3699.1, 4759.5)	1024368 (900511, 1166667)	5027.4 (4451.1, 5703.8)	19.9 (15.8, 25.1)

Sudan	352262 (310559, 398207)	3628.7 (3204.4, 4103.6)	790426 (695358, 897474)	4141.7 (3661.3, 4720)	14.1 (9.7, 18.1)
Syria	229006 (202568, 259388)	4133.6 (3663.9, 4681.1)	633598 (557807, 718342)	4647.7 (4120.5, 5230.4)	12.4 (8.1, 17.2)
Tunisia	200838 (177592, 229614)	3792.8 (3359.2, 4331.2)	520979 (458457, 592530)	4185.3 (3696.0, 4748.6)	10.3 (6.4, 14.3)
Turkey	1513766 (1329252, 1719254)	4085.3 (3592.7, 4634.5)	4060096 (3585551, 4614139)	4572.5 (4043.4, 5186.1)	11.9 (7.9, 16.4)
United Arab Emirates	26807 (23529, 30428)	4126.1 (3623.6, 4675.4)	276755 (241355, 319116)	4632.2 (4103.0, 5230.2)	12.3 (8.1, 16.1)
Yemen	174235 (153271, 198733)	3314.8 (2924.7, 3769.1)	488521 (431496, 552725)	3616.4 (3197.4, 4092.7)	9.1 (4.9, 13.2)
South Asia	22156361 (19561567, 25026884)	3538.1 (3152.0, 3989.1)	56462080 (50063672, 63745707)	4032.1 (3591.8, 4552.0)	14.0 (12.3, 15.8)
Bangladesh	1582784 (1386061, 1797335)	3175.4 (2787.6, 3600.7)	4522351 (3983267, 5126044)	3577.3 (3164.6, 4053.5)	12.7 (8.6, 16.6)
Bhutan	9703 (8423, 11192)	3634.8 (3184.9, 4156.9)	26479 (23277, 30077)	4107.1 (3629.9, 4662.1)	13.0 (8.6, 17.2)
India	18332903 (16210295, 20714918)	3621.7 (3232.4, 4086.2)	46548080 (41339385, 52507039)	4113.6 (3665.9, 4631.8)	13.6 (11.6, 15.7)
Nepal	326543 (284656, 373116)	3243.8 (2846.4, 3697.6)	864038 (763245, 985757)	3888.8 (3438.3, 4427.0)	19.9 (15.6, 24.6)
Pakistan	1904428 (1666280, 2158920)	3234.3 (2836.3, 3652.5)	4501133 (3952587, 5127890)	3787.4 (3351.5, 4308.5)	17.1 (12.9, 21.9)
Southern sub-Saharan Africa	857235 (765887, 962019)	2989.6 (2668.2, 3349.5)	1866260 (1664923, 2094877)	3276.5 (2920.5, 3674.1)	9.6 (8.4, 10.9)
Botswana	16027 (14222, 18100)	2647.7 (2348.7, 2987.8)	45954 (40979, 51668)	3164.7 (2832.7, 3555.7)	19.5 (15.2, 24.0)
Lesotho	27021 (24034, 30443)	2693.1 (2393.6, 3024.6)	36249 (32146, 40976)	2982.5 (2645.6, 3373.1)	10.7 (7.1, 14.6)
Namibia	17708 (15759, 20048)	2405.9 (2142.7, 2710.5)	39504 (34991, 44340)	2727.0 (2416.0, 3064.8)	13.3 (9.3, 17.3)
South Africa	676337 (604798, 758800)	3115.6 (2774.9, 3488.6)	1536502 (1370078, 1726551)	3397.4 (3032.5, 3813.9)	9.0 (7.6, 10.5)
Swaziland	9370 (8319, 10592)	3021.3 (2692.2, 3392.2)	18971 (16887, 21371)	3256.9 (2900.7, 3659.1)	7.8 (4.4, 11.3)
Zimbabwe	110773 (98441, 125102)	2564.6 (2286.8, 2885.5)	189080 (168357, 212496)	2687.0 (2398.8, 3022.3)	4.8 (1.3, 8.0)
Western sub-Saharan Africa	2256996 (2008044, 2540191)	2450.4 (2180.5, 2750.1)	5105001 (4541027, 5751333)	2678.3 (2382.3, 3006.6)	9.3 (7.4, 11.1)
Benin	51149 (45378, 57628)	2462.4 (2184.7, 2774.9)	145505 (129283, 164521)	2986.7 (2650.6, 3358.1)	21.3 (17.6, 26.0)
Burkina Faso	103922 (91835, 118285)	2313.0 (2052.8, 2629.5)	239909 (212566, 270369)	2625.0 (2326.1, 2961.3)	13.5 (9.5, 17.6)
Cameroon	131584 (116808, 148788)	2820.7 (2505.4, 3173.4)	367278 (325323, 414676)	3057.4 (2716.1, 3439.7)	8.4 (4.7, 12.5)
Cape Verde	5575 (4954, 6293)	2512.3 (2232.2, 2832.3)	12538 (11160, 14108)	2890.6 (2565.0, 3259.8)	15.1 (11.3, 18.9)
Chad	66341 (58791, 74636)	2285.6 (2029.0, 2572.3)	134998 (119898, 152487)	2399.5 (2129.6, 2707.5)	5.0 (1.4, 8.8)
Cote d'Ivoire	103986 (91931, 117575)	2371.5 (2105.1, 2673.9)	292196 (258112, 330690)	2687.4 (2383.6, 3046.5)	13.3 (9.8, 17.5)
The Gambia	9347	2506.5	26352	2747.7	9.6

	(8297, 10577)	(2228.8, 2832.1)	(23393, 29713)	(2439.0, 3099.2)	(6.0, 13.5)
Ghana	156539 (138740, 177707)	2350.9 (2081.3, 2657.1)	449681 (397150, 506918)	2796.3 (2474.8, 3153.2)	18.9 (15.1, 22.7)
Guinea	80795 (71412, 91459)	2359.7 (2087.6, 2676.4)	139675 (123544, 158214)	2532.5 (2243.4, 2857.8)	7.3 (3.6, 10.9)
Guinea-Bissau	10424 (9241, 11746)	2506.1 (2220.1, 2813.6)	21418 (18941, 24300)	2933.7 (2604.5, 3327.7)	17.1 (13.1, 21.2)
Liberia	31266 (27689, 35212)	2704.4 (2396.8, 3037.9)	62263 (55379, 69965)	2990.7 (2666.3, 3359.4)	10.6 (7.2, 14.5)
Mali	95744 (84711, 108734)	2313.1 (2050.8, 2621.4)	224793 (199622, 253466)	2638.5 (2349.4, 2968.4)	14.1 (10.1, 18.4)
Mauritania	27409 (24245, 30912)	2626.0 (2326.7, 2959.7)	62646 (55580, 70668)	3041.3 (2709.7, 3422.4)	15.8 (11.7, 19.8)
Niger	69574 (61701, 79013)	2315.5 (2051.5, 2619.2)	189839 (168271, 214625)	2478.0 (2200.2, 2795.8)	7.0 (2.9, 11.0)
Nigeria	1149810 (1019130, 1294365)	2476.4 (2193.6, 2789.1)	2343630 (2076478, 2649497)	2625.9 (2335.6, 2947.2)	6.0 (2.4, 9.6)
Sao Tome and Principe	1713 (1519, 1928)	2554.3 (2266.7, 2870.2)	3016 (2680, 3407)	2823.8 (2509.2, 3180.8)	10.6 (6.6, 15.0)
Senegal	83443 (74144, 94325)	2480.9 (2200.1, 2801.9)	200439 (178622, 226171)	2689.2 (2394.6, 3030.8)	8.4 (4.8, 11.8)
Sierra Leone	47776 (42312, 53864)	2399.9 (2119.9, 2704.4)	92870 (82426, 104539)	2613.6 (2313.2, 2942.4)	8.9 (5.6, 12.3)
Togo	30536 (27016, 34433)	2310.2 (2053.1, 2608.7)	95905 (84839, 108955)	2619.7 (2323.6, 2979.2)	13.4 (9.8, 16.9)
Eastern sub-Saharan Africa	1876001 (1669090, 2118830)	2411.7 (2147.0, 2711.7)	4180090 (3719539, 4706047)	2567.9 (2291.5, 2884.7)	6.5 (5.6, 7.5)
Burundi	52843 (46773, 60039)	2381.6 (2109.2, 2695.4)	103171 (91086, 116897)	2389.3 (2124, 2693.3)	0.3 (-3.0, 3.8)
Comoros	5003 (4431, 5650)	2420.8 (2154.2, 2732.1)	11600 (10309, 13057)	2514.5 (2236.2, 2819.4)	3.9 (0.3, 7.4)
Djibouti	3861 (3422, 4365)	2407.9 (2126.8, 2717.4)	17373 (15371, 19695)	2883.0 (2561.2, 3249.2)	19.7 (16.1, 23.8)
Eritrea	21751 (19160, 24711)	2255.9 (2000.8, 2558.9)	55321 (48868, 62815)	2359.8 (2092.5, 2651.5)	4.6 (0.9, 8.7)
Ethiopia	482114 (427870, 546070)	2367.3 (2105.9, 2662.3)	1037343 (923122, 1165820)	2521.2 (2241.5, 2836.6)	6.5 (4.8, 8.1)
Kenya	210179 (187172, 236555)	2436.2 (2169.1, 2734.0)	578138 (515254, 652269)	2619.5 (2331.8, 2944.1)	7.5 (6.9, 8.2)
Madagascar	120947 (107498, 136985)	2296.3 (2040.0, 2598.7)	255771 (226153, 289956)	2353.5 (2082.7, 2660.4)	2.5 (-1.1, 6.0)
Malawi	101685 (90171, 115345)	2412.7 (2144.6, 2729.9)	196088 (174563, 221223)	2579.6 (2284.8, 2914.6)	6.9 (3.2, 10.6)
Mozambique	152344 (135417, 172703)	2386.3 (2123.3, 2691.9)	291846 (258745, 331043)	2576.4 (2282.3, 2913.9)	8.0 (4.1, 11.7)
Rwanda	71444 (63088, 80990)	2387.8 (2112.8, 2707.3)	151675 (134368, 171867)	2546.8 (2258.8, 2870.2)	6.7 (2.9, 10.1)
Somalia	69818 (61521, 79230)	2524.3 (2244.2, 2842.2)	168272 (149155, 190200)	2581.5 (2293.5, 2907.9)	2.3 (-1.1, 5.6)
South Sudan	66079 (58874, 74484)	2671.9 (2380.0, 2998.7)	112057 (99661, 126255)	2836.3 (2536.6, 3186.6)	6.2 (2.8, 9.6)
Tanzania	284016 (252582, 322381)	2502.5 (2223.9, 2829.6)	670898 (597745, 757651)	2702.0 (2396.1, 3046.8)	8.0 (4.3, 12.0)

Uganda	159693 (141018 , 181292)	2370.0 (2099.8 , 2673.7)	357189 (318029 , 403845)	2542 (2264.6 , 2870.2)	7.3 (3.5 , 11.8)
Zambia	73272 (65051 , 83195)	2438.9 (2169.8 , 2757.6)	170724 (151914 , 191985)	2549.7 (2262.2 , 2860.7)	4.5 (1.1 , 8.3)
Central sub-Saharan Africa	606839 (537239 , 686850)	2576.1 (2286 , 2899.1)	1390050 (1236032 , 1567123)	2632.5 (2347.2 , 2969.4)	2.2 (-0.2 , 4.6)
Angola	105570 (93136 , 119524)	2576.4 (2277.0 , 2908.5)	336624 (297709 , 380262)	3010.5 (2682.5 , 3404.9)	16.8 (13.4 , 20.7)
Central African Republic	29126 (25679 , 33114)	2472.2 (2195.5 , 2793.0)	53135 (47077 , 60401)	2463.9 (2188.8 , 2777.7)	-0.3 (-3.9 , 3.0)
Congo	28857 (25459 , 32682)	2628.4 (2325.8 , 2968.5)	73479 (65163 , 82757)	2815.8 (2499.3 , 3165.0)	7.1 (3.5 , 10.5)
DR Congo	422028 (373327 , 479154)	2569.5 (2278.4 , 2896.2)	875275 (776223 , 989411)	2482.2 (2208.9 , 2795.0)	-3.4 (-6.8 , 0.0)
Equatorial Guinea	5468 (4844 , 6201)	2744.7 (2441.5 , 3078.2)	17358 (15427 , 19477)	3530.9 (3124.3 , 3967.6)	28.6 (24.4 , 33.7)
Gabon	15789 (14009 , 17897)	2771.9 (2469.1 , 3142.5)	34180 (30363 , 38420)	3183.2 (2830.8 , 3573.5)	14.8 (11.3 , 19.3)