

Table S2 National, regional and global SCA frequency (median and interquartile range (IQR)), projected births (in thousands) with confidence interval (CI) and estimated number of newborns with SCA with CI.

Country/Region	SCA frequency [IQR] ¹	Births 2010 [CI] ²	Births 2050 [CI] ²	Births 2010-2050 [CI] ³	Newborns with SCA 2010 [CI] ⁴	Newborns with SCA 2050 [CI] ⁴	Newborns with SCA 2010-2050 [CI] ⁵	Rank ⁶
Afghanistan	0.000 [0.000-0.000]	1,440 [1,380-1,501]	1,724 [1,251-2,269]	66,324 [56,968-76,197]	0 [0-10]	1 [0-15]	21 [0-511]	50
Albania	0.001 [0.000-0.002]	41 [35-48]	24 [11-44]	1,311 [869-1,802]	30 [12-69]	18 [4-62]	964 [301-2,579]	159
Algeria	0.000 [0.000-0.001]	703 [621-786]	481 [257-774]	22,777 [16,352-29,739]	197 [105-384]	135 [43-378]	6,388 [2,760-14,523]	173
Angola	0.011 [0.003-0.027]	817 [777-857]	853 [574-1,186]	35,123 [29,226-41,447]	9,017 [6,030-13,267]	9,417 [4,456-18,371]	387,648 [226,743-641,809]	24
Argentina	0.000 [0.000-0.000]	692 [612-772]	582 [324-918]	25,600 [18,694-33,232]	5 [1-24]	4 [0-29]	167 [17-1,051]	136
Armenia	0.000 [0.000-0.000]	47 [40-53]	29 [15-48]	1,444 [1,016-1,922]	0 [0-0]	0 [0-0]	0 [0-1]	98
Aruba	0.001 [0.000-0.002]	1 [1-1]	1 [1-2]	46 [32-61]	1 [0-2]	1 [0-2]	33 [10-88]	122
Australia	0.000 [0.000-0.000]	312 [272-352]	383 [234-567]	13,776 [10,244-17,557]	6 [1-22]	7 [1-35]	248 [46-1,086]	47
Austria	0.000 [0.000-0.000]	73 [59-86]	78 [42-125]	2,971 [1,994-4,028]	1 [0-12]	1 [0-18]	38 [1-567]	51
Azerbaijan	0.000 [0.000-0.000]	184 [163-206]	141 [83-214]	6,200 [4,622-7,945]	0 [0-0]	0 [0-0]	0 [0-14]	102
Bahamas	0.002 [0.001-0.006]	5 [5-6]	5 [3-7]	202 [145-263]	8 [2-27]	7 [1-34]	308 [69-1,185]	137
Bahrain	0.004 [0.002-0.011]	24 [21-26]	17 [10-27]	785 [582-1,007]	97 [47-178]	70 [12-181]	3,202 [1,276-6,818]	167
Bangladesh	0.000 [0.000-0.000]	2,998 [2,650-3,345]	1,907 [939-3,237]	98,644 [69,313-131,635]	15 [1-106]	9 [1-102]	487 [38-4,165]	152
Barbados	0.002 [0.001-0.007]	3 [3-3]	3 [1-4]	111 [78-149]	5 [1-19]	4 [0-23]	177 [22-813]	133
Belarus	0.000 [0.000-0.000]	106 [88-124]	82 [43-134]	3,632 [2,511-4,875]	0 [0-0]	0 [0-0]	0 [0-0]	91
Belgium	0.000 [0.000-0.001]	122 [106-139]	135 [81-202]	5,056 [3,733-6,466]	29 [15-55]	32 [12-88]	1,200 [534-2,575]	45
Belize	0.006 [0.002-0.016]	8 [7-9]	7 [4-11]	306 [229-391]	49 [29-80]	43 [16-100]	1,924 [941-3,658]	156
Benin	0.013 [0.002-0.028]	363 [345-381]	518 [377-681]	17,691 [15,028-20,517]	4,672 [3,723-5,785]	6,661 [4,063-10,335]	227,640 [162,084-311,549]	11
Bhutan	0.000 [0.000-0.000]	15 [13-16]	9 [5-16]	482 [341-639]	0 [0-0]	0 [0-0]	0 [0-5]	109
Bolivia (Plurinational State of)	0.000 [0.000-0.000]	266 [246-287]	263 [164-385]	10,866 [8,545-13,396]	0 [0-0]	0 [0-0]	0 [0-12]	99
Bosnia and Herzegovina	0.000 [0.000-0.000]	31 [24-38]	22 [10-39]	1,043 [649-1,483]	1 [0-10]	1 [0-10]	30 [1-382]	127
Botswana	0.000 [0.000-0.000]	47 [43-52]	35 [19-54]	1,665 [1,247-2,123]	5 [1-17]	3 [1-18]	160 [35-692]	139
Brazil	0.001 [0.000-0.003]	2,978 [2,565-3,392]	2,075 [1,011-3,572]	100,805 [68,307-137,935]	3,295 [2,022-5,288]	2,296 [797-5,569]	111,537 [53,858-215,030]	193
Brunei Darussalam	0.000 [0.000-0.000]	8 [7-9]	7 [4-11]	287 [202-380]	0 [0-0]	0 [0-0]	0 [0-0]	75
Bulgaria	0.000 [0.000-0.001]	73 [62-85]	52 [27-85]	2,433 [1,702-3,244]	17 [3-73]	12 [1-73]	567 [87-2,785]	151
Burkina Faso	0.005 [0.001-0.010]	755 [722-788]	1,306 [1,001-1,652]	40,409 [35,124-45,985]	3,423 [2,810-4,126]	5,924 [3,897-8,651]	183,238 [136,678-240,844]	7
Burundi	0.003 [0.001-0.008]	294 [276-312]	216 [135-315]	10,396 [8,389-12,547]	920 [560-1,453]	677 [275-1,467]	32,578 [17,058-58,455]	190
Cambodia	0.000 [0.000-0.000]	315 [282-347]	208 [109-338]	10,444 [7,600-13,561]	0 [0-0]	0 [0-0]	0 [0-0]	81
Cameroon	0.010 [0.001-0.021]	722 [680-764]	800 [544-1,107]	30,989 [25,546-36,847]	7,172 [5,927-8,619]	7,941 [4,738-12,478]	307,667 [222,606-415,425]	17
Canada	0.000 [0.000-0.000]	393 [335-451]	488 [290-738]	17,139 [12,310-22,325]	46 [15-122]	57 [13-200]	2,005 [560-6,057]	41
Cape Verde	0.002 [0.001-0.004]	10 [9-11]	6 [3-11]	328 [234-433]	17 [9-30]	11 [3-29]	566 [243-1,173]	157
Central African Republic	0.006 [0.002-0.016]	159 [150-169]	167 [111-233]	6,763 [5,569-8,047]	1,001 [617-1,558]	1,045 [457-2,152]	42,455 [22,849-74,386]	34
Chad	0.004 [0.001-0.010]	521 [498-543]	667 [484-878]	24,427 [20,926-28,143]	2,132 [1,455-3,034]	2,732 [1,415-4,904]	100,014 [61,140-157,110]	20
Chile	0.000 [0.000-0.000]	245 [212-279]	197 [103-323]	8,830 [6,156-11,817]	0 [0-0]	0 [0-0]	0 [0-0]	83
China	0.000 [0.000-0.000]	16,170 [13,576-18,764]	11,140 [5,759-18,347]	529,129 [360,082-716,740]	0 [0-1]	0 [0-1]	1 [0-36]	111
China, Hong Kong SAR	0.000 [0.000-0.000]	64 [50-78]	93 [53-143]	2,916 [1,937-3,968]	0 [0-0]	0 [0-0]	0 [0-0]	66
China, Macao SAR	0.000 [0.000-0.000]	6 [5-7]	8 [4-12]	263 [174-360]	0 [0-0]	0 [0-0]	0 [0-0]	67
Colombia	0.000 [0.000-0.001]	903 [804-1,001]	695 [378-1,115]	32,344 [23,528-42,142]	332 [116-848]	255 [54-945]	11,878 [3,383-35,710]	179
Comoros	0.001 [0.001-0.003]	28 [26-29]	40 [29-53]	1,345 [1,137-1,567]	28 [11-66]	40 [12-120]	1,337 [479-3,537]	40
Congo	0.012 [0.003-0.027]	148 [139-156]	200 [140-271]	6,955 [5,787-8,211]	1,772 [1,306-2,409]	2,396 [1,310-4,178]	83,402 [54,180-126,738]	19
Costa Rica	0.001 [0.001-0.003]	74 [64-84]	55 [28-93]	2,573 [1,754-3,497]	62 [16-205]	47 [7-227]	2,174 [443-8,524]	162
Côte d'Ivoire	0.005 [0.001-0.012]	688 [647-729]	818 [558-1,126]	30,837 [25,416-36,640]	3,447 [2,408-4,886]	4,097 [2,076-7,553]	154,537 [94,557-245,693]	18
Croatia	0.000 [0.000-0.000]	43 [36-50]	38 [20-61]	1,593 [1,103-2,134]	1 [0-11]	1 [0-13]	42 [2-469]	123
Cuba	0.002 [0.001-0.007]	108 [89-126]	79 [38-136]	3,671 [2,406-5,114]	240 [92-545]	176 [39-589]	8,177 [2,492-22,087]	176
Cyprus	0.000 [0.000-0.001]	13 [11-15]	13 [7-21]	520 [352-704]	2 [1-9]	2 [0-12]	92 [17-405]	117
Czech Republic	0.000 [0.000-0.000]	115 [96-135]	114 [65-176]	4,310 [3,051-5,665]	0 [0-6]	0 [0-7]	6 [0-235]	107
Dem. People's Republic of Korea	0.000 [0.000-0.000]	350 [306-394]	316 [174-501]	13,449 [9,743-17,505]	0 [0-0]	0 [0-0]	0 [0-0]	71
Democratic Republic of the Congo	0.013 [0.002-0.029]	2,970 [2,834-3,105]	3,337 [2,353-4,489]	131,599 [111,455-153,071]	39,743 [32,593-48,788]	44,663 [27,062-70,542]	1,761,226 [1,281,666-2,405,181]	6
Denmark	0.000 [0.000-0.000]	63 [55-72]	68 [40-104]	2,696 [1,990-3,453]	0 [0-1]	0 [0-1]	1 [0-45]	54
Djibouti	0.000 [0.000-0.000]	26 [25-28]	27 [18-39]	1,096 [880-1,327]	0 [0-0]	0 [0-0]	0 [0-4]	56
Dominican Republic	0.001 [0.001-0.004]	214 [192-235]	150 [78-247]	7,493 [5,493-9,753]	247 [70-740]	173 [29-778]	8,655 [2,012-30,674]	177
Ecuador	0.000 [0.000-0.000]	296 [265-327]	217 [116-352]	10,513 [7,678-13,681]	0 [0-3]	0 [0-4]	4 [0-141]	116
Egypt	0.001 [0.000-0.002]	1,888 [1,709-2,067]	1,529 [875-2,367]	69,793 [52,723-88,480]	1,199 [359-3,397]	971 [184-3,890]	44,320 [11,067-145,410]	189
El Salvador	0.001 [0.000-0.002]	125 [111-140]	82 [42-138]	4,224 [3,010-5,586]	81 [30-190]	53 [11-187]	2,734 [800-7,577]	168
Equatorial Guinea	0.015 [0.004-0.035]	27 [26-28]	31 [21-42]	1,198 [1,000-1,411]	418 [306-562]	478 [253-840]	18,531 [11,921-27,962]	32

Country/Region	SCA frequency [IQR] ¹	Births 2010 [CI] ²	Births 2050 [CI] ²	Births 2010-2050 [CI] ³	Newborns with SCA 2010 [CI] ⁴	Newborns with SCA 2050 [CI] ⁴	Newborns with SCA 2010-2050 [CI] ⁵	Rank ⁶
Eritrea	0.000 [0.000-0.000]	195 [183-206]	213 [143-296]	8,302 [6,817-9,887]	9 [2-40]	10 [2-57]	402 [72-1,904]	48
Estonia	0.000 [0.000-0.000]	16 [14-19]	14 [8-22]	571 [413-742]	0 [0-0]	0 [0-0]	0 [0-0]	82
Ethiopia	0.000 [0.000-0.000]	2,621 [2,450-2,791]	2,067 [1,227-3,112]	97,974 [77,191-120,314]	141 [58-321]	111 [29-358]	5,270 [1,815-13,856]	169
Fiji	0.000 [0.000-0.000]	18 [16-20]	13 [8-20]	618 [472-776]	0 [0-0]	0 [0-0]	0 [0-0]	73
Finland	0.000 [0.000-0.000]	61 [53-70]	64 [38-98]	2,485 [1,832-3,186]	0 [0-0]	0 [0-0]	0 [0-0]	59
France	0.001 [0.000-0.002]	791 [691-890]	859 [519-1,284]	32,633 [24,355-41,511]	530 [258-1,048]	576 [194-1,512]	21,868 [9,090-48,897]	33
French Guiana	0.001 [0.000-0.002]	6 [5-6]	9 [6-12]	298 [238-364]	5 [3-9]	8 [3-18]	266 [123-532]	46
French Polynesia	0.000 [0.000-0.000]	5 [4-5]	3 [2-5]	157 [110-208]	0 [0-0]	0 [0-0]	0 [0-0]	78
Gabon	0.021 [0.004-0.047]	43 [39-46]	51 [33-72]	1,897 [1,508-2,319]	911 [685-1,204]	1,085 [580-1,889]	40,437 [26,231-60,571]	27
Gambia	0.006 [0.001-0.014]	68 [65-72]	87 [61-118]	3,185 [2,664-3,739]	443 [360-543]	564 [339-888]	20,616 [14,807-28,155]	28
Georgia	0.000 [0.000-0.000]	49 [41-57]	28 [13-47]	1,425 [962-1,947]	0 [0-0]	0 [0-0]	0 [0-0]	94
Germany	0.000 [0.000-0.000]	709 [588-831]	755 [422-1,184]	28,699 [20,057-38,052]	84 [18-311]	90 [13-443]	3,410 [629-14,228]	42
Ghana	0.007 [0.001-0.016]	783 [734-832]	923 [627-1,277]	34,717 [28,466-41,406]	5,815 [4,903-6,831]	6,855 [4,184-10,477]	257,716 [190,070-339,744]	14
Greece	0.002 [0.001-0.005]	116 [97-134]	115 [66-179]	4,453 [3,151-5,859]	211 [121-383]	211 [83-508]	8,126 [3,950-16,670]	129
Grenada	0.003 [0.002-0.010]	2 [2-2]	1 [0-2]	59 [43-77]	6 [1-16]	3 [0-11]	163 [33-530]	147
Guadeloupe	0.002 [0.001-0.006]	6 [5-7]	5 [3-8]	224 [164-289]	14 [7-24]	11 [3-27]	492 [218-1,010]	146
Guam	0.000 [0.000-0.000]	3 [3-4]	3 [2-5]	129 [96-166]	0 [0-0]	0 [0-0]	0 [0-0]	68
Guatemala	0.001 [0.000-0.002]	484 [452-515]	604 [401-852]	22,294 [18,019-26,934]	269 [105-649]	336 [93-1,073]	12,397 [4,179-33,924]	30
Guinea	0.013 [0.003-0.030]	401 [381-421]	528 [381-699]	18,826 [15,956-21,876]	5,402 [3,987-7,115]	7,123 [3,990-11,828]	253,763 [166,999-369,945]	13
Guinea-Bissau	0.003 [0.001-0.008]	60 [57-63]	80 [59-104]	2,779 [2,371-3,212]	186 [113-289]	247 [117-478]	8,642 [4,742-14,815]	31
Guyana	0.001 [0.001-0.005]	13 [12-15]	9 [4-14]	448 [325-584]	17 [4-59]	11 [1-57]	582 [111-2,333]	155
Haiti	0.004 [0.001-0.010]	266 [245-287]	200 [120-300]	9,605 [7,505-11,869]	1,104 [706-1,676]	831 [347-1,754]	39,926 [21,675-69,407]	191
Honduras	0.004 [0.002-0.011]	206 [189-223]	174 [101-266]	7,906 [6,066-9,929]	810 [354-1,675]	682 [190-1,994]	31,088 [11,383-74,488]	185
Hungary	0.000 [0.000-0.000]	100 [83-118]	98 [55-155]	3,848 [2,687-5,097]	0 [0-4]	0 [0-6]	7 [0-185]	110
Iceland	0.000 [0.000-0.000]	5 [4-5]	5 [3-8]	203 [153-257]	0 [0-0]	0 [0-0]	0 [0-0]	62
India	0.002 [0.000-0.004]	26,957 [24,302-29,613]	20,564 [11,495-32,415]	973,913 [726,643-1,248,292]	44,425 [33,692-59,143]	33,890 [15,936-64,740]	1,605,013 [1,007,436-2,493,101]	194
Indonesia	0.000 [0.000-0.000]	4,270 [3,751-4,790]	3,096 [1,663-4,991]	146,646 [104,670-192,989]	1 [0-8]	1 [0-9]	28 [1-336]	126
Iran (Islamic Republic of)	0.001 [0.000-0.002]	1,228 [1,034-1,421]	714 [333-1,242]	35,864 [23,412-49,798]	870 [378-1,846]	506 [122-1,613]	25,413 [8,548-64,707]	192
Iraq	0.001 [0.000-0.002]	1,170 [1,106-1,235]	1,866 [1,341-2,477]	60,676 [50,868-71,130]	687 [263-1,837]	1,095 [319-3,685]	35,597 [12,117-105,812]	23
Ireland	0.000 [0.000-0.000]	72 [63-80]	75 [47-110]	2,823 [2,137-3,554]	0 [0-5]	0 [0-6]	7 [0-202]	52
Israel	0.001 [0.001-0.004]	158 [145-172]	174 [112-249]	6,655 [5,266-8,143]	236 [135-381]	259 [104-550]	9,919 [4,890-18,028]	38
Italy	0.000 [0.000-0.001]	552 [458-645]	551 [314-856]	21,508 [15,173-28,306]	92 [31-278]	92 [21-369]	3,575 [1,029-12,189]	118
Jamaica	0.003 [0.001-0.007]	50 [44-55]	27 [13-47]	1,587 [1,153-2,078]	139 [89-212]	76 [26-180]	4,459 [2,328-8,016]	174
Japan	0.000 [0.000-0.000]	1,068 [880-1,256]	950 [514-1,520]	39,642 [27,599-52,633]	0 [0-0]	0 [0-0]	0 [0-0]	76
Jordan	0.001 [0.000-0.003]	154 [140-167]	118 [66-185]	5,701 [4,325-7,198]	146 [74-284]	112 [35-314]	5,407 [2,267-12,226]	171
Kazakhstan	0.000 [0.000-0.000]	340 [306-374]	314 [195-462]	12,775 [9,846-15,953]	0 [0-0]	0 [0-0]	0 [0-1]	95
Kenya	0.003 [0.000-0.006]	1,604 [1,517-1,690]	2,282 [1,614-3,069]	77,436 [64,694-91,116]	4,762 [3,905-5,763]	6,776 [4,154-10,464]	229,970 [166,550-310,635]	10
Kuwait	0.002 [0.002-0.008]	51 [45-56]	67 [42-98]	2,327 [1,746-2,955]	111 [31-311]	146 [28-542]	5,079 [1,184-16,331]	35
Kyrgyzstan	0.000 [0.000-0.000]	132 [119-144]	122 [75-181]	5,026 [3,872-6,294]	0 [0-0]	0 [0-0]	0 [0-0]	86
Lao People's Democratic Republic	0.000 [0.000-0.000]	140 [126-153]	90 [46-148]	4,707 [3,439-6,097]	0 [0-0]	0 [0-0]	0 [0-0]	85
Latvia	0.000 [0.000-0.000]	24 [20-29]	20 [11-33]	848 [597-1,122]	0 [0-0]	0 [0-0]	0 [0-0]	84
Lebanon	0.004 [0.002-0.010]	64 [55-73]	44 [22-75]	2,159 [1,479-2,908]	256 [133-442]	176 [52-451]	8,597 [3,568-17,591]	180
Lesotho	0.000 [0.000-0.000]	60 [56-65]	46 [27-70]	2,191 [1,697-2,732]	0 [0-2]	0 [0-2]	4 [0-80]	115
Liberia	0.004 [0.001-0.008]	161 [153-169]	231 [168-303]	7,825 [6,647-9,078]	586 [438-780]	841 [483-1,402]	28,522 [19,086-41,998]	25
Libyan Arab Jamahiriya	0.001 [0.000-0.003]	141 [126-155]	93 [51-146]	4,467 [3,284-5,726]	187 [114-292]	123 [46-274]	5,927 [2,964-10,755]	175
Lithuania	0.000 [0.000-0.000]	36 [30-42]	31 [17-50]	1,274 [892-1,691]	0 [0-0]	0 [0-0]	0 [0-0]	87
Luxembourg	0.000 [0.000-0.000]	6 [5-7]	8 [5-12]	291 [210-378]	0 [0-1]	0 [0-2]	16 [3-75]	49
Madagascar	0.005 [0.001-0.010]	771 [728-814]	1,251 [884-1,684]	40,279 [33,483-47,592]	3,736 [3,031-4,570]	6,066 [3,683-9,461]	195,261 [139,419-267,333]	8
Malawi	0.002 [0.001-0.006]	721 [691-751]	1,650 [1,296-2,048]	44,644 [39,013-50,596]	1,743 [1,018-2,975]	3,990 [1,909-8,111]	107,938 [57,481-200,387]	9
Malaysia	0.000 [0.000-0.000]	584 [527-641]	564 [340-843]	23,622 [18,096-29,539]	0 [0-0]	0 [0-0]	0 [0-0]	92
Maldives	0.000 [0.000-0.000]	5 [5-6]	3 [1-6]	164 [106-229]	0 [0-0]	0 [0-0]	0 [0-0]	89
Mali	0.004 [0.001-0.010]	746 [716-777]	1,159 [881-1,473]	38,162 [33,226-43,370]	3,353 [2,462-4,534]	5,203 [3,031-8,596]	171,400 [114,272-253,084]	12
Malta	0.001 [0.001-0.003]	4 [3-5]	4 [2-6]	146 [95-202]	3 [0-10]	2 [0-13]	96 [15-439]	121
Martinique	0.003 [0.001-0.007]	5 [4-5]	3 [2-6]	164 [117-216]	12 [7-22]	9 [3-22]	431 [190-872]	148
Mauritania	0.004 [0.002-0.011]	120 [113-127]	147 [103-199]	5,392 [4,497-6,344]	471 [246-862]	579 [225-1,352]	21,237 [9,812-43,209]	29
Mauritius	0.000 [0.000-0.000]	16 [14-19]	14 [7-22]	603 [412-814]	0 [0-0]	0 [0-0]	0 [0-2]	96
Mayotte	0.002 [0.002-0.008]	7 [7-8]	9 [6-12]	332 [271-398]	13 [2-46]	16 [2-75]	610 [91-2,429]	44

Country/Region	SCA frequency [IQR] ¹	Births 2010 [CI] ²	Births 2050 [CI] ²	Births 2010-2050 [CI] ³	Newborns with SCA 2010 [CI] ⁴	Newborns with SCA 2050 [CI] ⁴	Newborns with SCA 2010-2050 [CI] ⁵	Rank ⁶
Mexico	0.000 [0.000-0.001]	2,158 [1,916-2,401]	1,471 [756-2,441]	72,929 [52,190-96,159]	676 [395-1,145]	461 [156-1,164]	22,850 [10,761-45,849]	188
Micronesia (Fed. States of)	0.000 [0.000-0.000]	3 [3-3]	2 [1-3]	99 [80-120]	0 [0-0]	0 [0-0]	0 [0-0]	77
Mongolia	0.000 [0.000-0.000]	65 [58-72]	60 [37-89]	2,447 [1,879-3,065]	0 [0-0]	0 [0-0]	0 [0-0]	80
Montenegro	0.000 [0.000-0.001]	8 [6-9]	6 [3-10]	264 [183-352]	1 [0-4]	0 [0-5]	22 [1-179]	124
Morocco	0.000 [0.000-0.000]	613 [543-683]	418 [225-669]	20,471 [14,958-26,356]	42 [5-246]	28 [2-241]	1,388 [139-9,479]	160
Mozambique	0.002 [0.001-0.005]	900 [852-948]	1,161 [812-1,572]	41,999 [35,095-49,389]	1,742 [1,196-2,491]	2,248 [1,140-4,133]	81,289 [49,266-129,833]	22
Myanmar	0.000 [0.000-0.000]	815 [710-920]	585 [307-950]	27,542 [19,560-36,143]	0 [0-1]	0 [0-1]	2 [0-40]	114
Namibia	0.001 [0.000-0.002]	60 [55-65]	53 [32-79]	2,347 [1,822-2,913]	33 [17-64]	29 [10-78]	1,275 [565-2,854]	149
Nepal	0.000 [0.000-0.000]	724 [654-794]	561 [301-906]	26,534 [19,442-34,440]	11 [1-76]	9 [0-87]	409 [29-3,312]	145
Netherlands	0.000 [0.000-0.001]	180 [155-206]	188 [110-285]	7,452 [5,476-9,560]	82 [37-171]	85 [26-237]	3,393 [1,300-7,947]	43
Netherlands Antilles	0.001 [0.001-0.004]	3 [2-3]	2 [1-3]	84 [60-110]	4 [2-7]	2 [1-7]	114 [46-254]	140
New Caledonia	0.000 [0.000-0.000]	4 [4-5]	4 [2-6]	160 [116-207]	0 [0-0]	0 [0-0]	0 [0-0]	74
New Zealand	0.000 [0.000-0.000]	64 [57-72]	71 [43-105]	2,700 [2,042-3,405]	0 [0-0]	0 [0-0]	0 [0-0]	61
Nicaragua	0.002 [0.001-0.006]	137 [123-150]	88 [46-146]	4,625 [3,392-6,010]	210 [49-652]	136 [18-633]	7,111 [1,346-26,071]	178
Niger	0.007 [0.002-0.016]	810 [781-840]	1,822 [1,455-2,229]	50,167 [44,445-56,175]	5,310 [3,653-7,640]	11,937 [6,805-20,284]	328,720 [207,823-511,112]	4
Nigeria	0.014 [0.001-0.029]	6,645 [6,339-6,951]	10,282 [7,772-13,141]	335,890 [290,258-384,078]	91,011 [77,881-106,106]	140,837 [95,487-200,604]	4,600,639 [3,566,180-5,863,269]	1
Norway	0.000 [0.000-0.000]	61 [53-69]	74 [45-109]	2,674 [1,987-3,408]	0 [0-0]	0 [0-0]	0 [0-2]	57
Oman	0.000 [0.000-0.000]	49 [44-55]	31 [15-53]	1,577 [1,091-2,113]	0 [0-1]	0 [0-1]	5 [0-38]	119
Pakistan	0.000 [0.000-0.000]	4,778 [4,404-5,151]	3,672 [2,157-5,580]	175,117 [136,099-217,364]	224 [48-946]	173 [24-1,025]	8,228 [1,495-39,918]	172
Panama	0.002 [0.001-0.006]	70 [62-77]	61 [34-97]	2,666 [1,958-3,459]	146 [71-279]	128 [39-352]	5,581 [2,243-12,577]	163
Papua New Guinea	0.000 [0.000-0.000]	210 [196-224]	248 [168-343]	9,381 [7,652-11,231]	0 [0-0]	0 [0-0]	0 [0-0]	60
Paraguay	0.000 [0.000-0.000]	160 [146-174]	145 [87-219]	6,294 [4,837-7,888]	7 [1-40]	7 [1-51]	293 [33-1,828]	135
Peru	0.000 [0.000-0.000]	585 [524-646]	434 [241-683]	20,878 [15,487-26,760]	0 [0-0]	0 [0-0]	0 [0-2]	100
Philippines	0.000 [0.000-0.000]	2,385 [2,190-2,581]	2,357 [1,454-3,483]	98,487 [76,928-121,966]	0 [0-0]	0 [0-0]	0 [0-0]	79
Poland	0.000 [0.000-0.000]	417 [343-490]	360 [192-579]	14,820 [10,304-19,703]	0 [0-5]	0 [0-5]	4 [0-183]	113
Portugal	0.000 [0.000-0.001]	94 [76-111]	73 [36-123]	3,280 [2,163-4,496]	43 [16-111]	34 [8-122]	1,509 [456-4,478]	158
Puerto Rico	0.000 [0.000-0.000]	48 [41-55]	34 [17-57]	1,606 [1,101-2,176]	2 [0-9]	2 [0-9]	72 [11-337]	134
Qatar	0.002 [0.002-0.008]	22 [19-24]	16 [9-24]	682 [486-883]	52 [13-142]	37 [6-145]	1,606 [338-5,223]	161
Republic of Korea	0.000 [0.000-0.000]	481 [394-567]	419 [225-673]	18,003 [12,448-24,010]	0 [0-0]	0 [0-0]	0 [0-0]	69
Republic of Moldova	0.000 [0.000-0.000]	42 [35-50]	23 [10-41]	1,241 [825-1,711]	0 [0-0]	0 [0-0]	0 [0-2]	101
Réunion	0.000 [0.000-0.000]	15 [13-16]	13 [7-19]	543 [400-700]	0 [0-1]	0 [0-1]	0 [0-36]	103
Romania	0.000 [0.000-0.000]	220 [181-258]	175 [91-286]	7,689 [5,269-10,369]	2 [0-25]	2 [0-27]	74 [2-995]	128
Russian Federation	0.000 [0.000-0.000]	1,685 [1,409-1,961]	1,346 [729-2,154]	58,347 [40,774-77,763]	0 [0-1]	0 [0-1]	0 [0-22]	106
Rwanda	0.001 [0.000-0.003]	466 [444-488]	609 [443-799]	21,414 [18,258-24,753]	671 [450-989]	877 [449-1,621]	30,865 [18,516-50,217]	26
Saint Lucia	0.004 [0.002-0.010]	3 [3-3]	2 [1-3]	98 [67-132]	12 [6-22]	8 [2-22]	391 [148-856]	150
Saint Vincent and the Grenadines	0.004 [0.002-0.011]	2 [2-2]	1 [1-2]	57 [40-76]	6 [2-15]	4 [1-15]	205 [53-571]	142
Samoa	0.000 [0.000-0.000]	4 [4-5]	4 [3-5]	173 [143-205]	0 [0-0]	0 [0-0]	0 [0-0]	70
Sao Tome and Principe	0.008 [0.006-0.027]	5 [5-6]	5 [3-7]	209 [165-255]	43 [11-104]	41 [7-134]	1,734 [392-4,767]	143
Saudi Arabia	0.001 [0.000-0.003]	620 [561-678]	486 [265-772]	22,722 [16,832-29,156]	763 [572-1,018]	598 [270-1,158]	27,992 [17,174-43,752]	187
Senegal	0.005 [0.001-0.012]	478 [452-504]	621 [436-838]	22,239 [18,581-26,139]	2,623 [1,955-3,450]	3,407 [1,885-5,737]	122,081 [80,389-179,029]	16
Serbia	0.000 [0.000-0.001]	108 [91-125]	81 [41-134]	3,717 [2,537-5,020]	10 [1-57]	7 [1-61]	343 [33-2,276]	144
Sierra Leone	0.013 [0.004-0.032]	226 [214-238]	217 [146-300]	9,221 [7,671-10,871]	3,009 [1,914-4,485]	2,887 [1,308-5,667]	122,831 [68,638-205,016]	184
Singapore	0.000 [0.000-0.000]	50 [41-59]	56 [31-88]	2,136 [1,477-2,844]	0 [0-0]	0 [0-0]	0 [0-0]	58
Slovakia	0.000 [0.000-0.000]	59 [48-69]	54 [29-86]	2,160 [1,492-2,883]	0 [0-1]	0 [0-1]	1 [0-32]	105
Slovenia	0.000 [0.000-0.000]	20 [17-24]	19 [11-31]	761 [533-1,008]	0 [0-2]	0 [0-2]	3 [0-82]	108
Solomon Islands	0.000 [0.000-0.000]	17 [16-19]	21 [15-29]	791 [650-942]	0 [0-0]	0 [0-0]	0 [0-0]	63
Somalia	0.000 [0.000-0.000]	429 [411-446]	960 [770-1,170]	26,106 [23,133-29,223]	14 [2-76]	31 [3-201]	851 [102-5,007]	39
South Africa	0.000 [0.000-0.000]	1,043 [934-1,153]	762 [418-1,211]	36,551 [26,993-47,101]	73 [25-197]	54 [11-207]	2,572 [719-8,070]	164
Spain	0.000 [0.000-0.001]	496 [414-579]	479 [273-743]	18,748 [13,230-24,714]	154 [55-411]	149 [36-527]	5,822 [1,757-17,530]	153
Sri Lanka	0.000 [0.000-0.000]	362 [322-403]	248 [133-398]	12,198 [8,964-15,756]	2 [1-3]	1 [0-3]	58 [23-131]	131
Sudan	0.003 [0.001-0.008]	1,475 [1,388-1,562]	1,759 [1,199-2,424]	66,243 [54,634-78,641]	4,890 [3,553-6,685]	5,831 [3,071-10,371]	219,607 [139,892-336,510]	15
Suriname	0.002 [0.001-0.008]	10 [8-11]	7 [4-11]	333 [244-431]	19 [5-60]	14 [2-62]	680 [151-2,454]	154
Swaziland	0.000 [0.000-0.000]	35 [32-38]	27 [16-41]	1,282 [994-1,596]	4 [1-14]	3 [1-16]	157 [33-600]	138
Sweden	0.000 [0.000-0.000]	114 [99-129]	129 [78-193]	4,809 [3,566-6,144]	0 [0-0]	0 [0-0]	0 [0-7]	55
Switzerland	0.000 [0.000-0.001]	77 [65-90]	77 [43-121]	3,087 [2,188-4,052]	6 [1-42]	6 [0-57]	259 [20-1,910]	53
Syria	0.002 [0.000-0.004]	465 [423-507]	390 [216-613]	18,238 [13,716-23,164]	846 [567-1,291]	709 [290-1,561]	33,145 [18,365-58,952]	186
Tajikistan	0.000 [0.000-0.000]	197 [182-213]	167 [101-249]	7,506 [5,895-9,257]	0 [0-0]	0 [0-0]	0 [0-0]	90

Country/Region	SCA frequency [IQR] ¹	Births 2010 [CI] ²	Births 2050 [CI] ²	Births 2010-2050 [CI] ³	Newborns with SCA 2010 [CI] ⁴	Newborns with SCA 2050 [CI] ⁴	Newborns with SCA 2010-2050 [CI] ⁵	Rank ⁶
TFYR Macedonia	0.000 [0.000-0.002]	22 [18-26]	16 [8-27]	741 [497-1,016]	9 [2-29]	6 [1-31]	293 [59-1,152]	141
Thailand	0.000 [0.000-0.000]	802 [670-933]	637 [319-1,067]	28,097 [18,621-38,654]	0 [0-0]	0 [0-0]	0 [0-0]	93
Timor-Leste	0.000 [0.000-0.000]	46 [44-48]	66 [48-88]	2,330 [1,991-2,687]	0 [0-0]	0 [0-0]	0 [0-0]	65
Togo	0.010 [0.002-0.022]	197 [184-209]	194 [125-276]	8,042 [6,503-9,694]	2,037 [1,616-2,532]	2,006 [1,102-3,343]	83,321 [57,158-117,258]	170
Tonga	0.000 [0.000-0.000]	3 [3-3]	2 [2-3]	106 [88-125]	0 [0-0]	0 [0-0]	0 [0-0]	72
Trinidad and Tobago	0.003 [0.001-0.008]	19 [16-22]	12 [6-21]	606 [415-822]	56 [28-105]	36 [11-99]	1,771 [705-3,874]	165
Tunisia	0.000 [0.000-0.001]	178 [155-201]	133 [72-213]	5,949 [4,249-7,772]	84 [52-133]	63 [24-141]	2,810 [1,433-5,132]	166
Turkey	0.000 [0.000-0.001]	1,269 [1,112-1,426]	929 [489-1,510]	43,844 [31,264-57,622]	327 [216-586]	240 [95-621]	11,311 [6,069-23,676]	182
Turkmenistan	0.000 [0.000-0.000]	110 [98-122]	78 [42-124]	3,784 [2,789-4,869]	0 [0-0]	0 [0-0]	0 [0-11]	104
Uganda	0.007 [0.001-0.015]	1,591 [1,524-1,658]	2,512 [1,859-3,261]	82,923 [71,294-95,267]	10,877 [8,444-13,776]	17,170 [10,300-27,087]	566,896 [395,123-938,211]	5
Ukraine	0.000 [0.000-0.000]	489 [407-572]	374 [197-606]	16,569 [11,475-22,214]	0 [0-2]	0 [0-2]	2 [0-77]	112
United Arab Emirates	0.000 [0.000-0.000]	97 [83-112]	90 [48-144]	3,469 [2,329-4,728]	7 [2-21]	6 [1-28]	233 [52-905]	130
United Kingdom	0.000 [0.000-0.001]	764 [662-866]	845 [502-1,278]	32,436 [23,828-41,727]	302 [144-598]	334 [109-882]	12,816 [5,176-28,793]	36
United Republic of Tanzania	0.006 [0.001-0.013]	1,989 [1,899-2,080]	4,130 [3,133-5,269]	116,952 [100,662-134,301]	11,877 [9,593-14,529]	24,655 [15,830-36,811]	698,257 [508,554-938,211]	2
United States of America	0.001 [0.000-0.002]	4,351 [3,827-4,874]	5,174 [3,199-7,614]	188,369 [141,775-238,185]	2,842 [1,792-4,443]	3,379 [1,498-6,941]	123,034 [66,372-217,131]	21
United States Virgin Islands	0.000 [0.000-0.001]	1 [1-1]	1 [0-2]	43 [31-57]	0 [0-1]	0 [0-1]	9 [1-55]	120
Uruguay	0.000 [0.000-0.000]	49 [43-55]	40 [22-64]	1,792 [1,290-2,350]	1 [0-4]	1 [0-4]	28 [3-164]	125
Uzbekistan	0.000 [0.000-0.000]	588 [523-653]	391 [208-633]	19,657 [14,369-25,439]	0 [0-0]	0 [0-0]	0 [0-1]	97
Vanuatu	0.000 [0.000-0.000]	7 [7-8]	10 [7-13]	343 [280-410]	0 [0-0]	0 [0-0]	0 [0-0]	64
Venezuela (Bolivarian Republic of)	0.001 [0.000-0.002]	597 [535-660]	487 [266-782]	22,173 [16,218-28,844]	452 [302-678]	369 [150-804]	16,768 [9,160-29,637]	181
Viet Nam	0.000 [0.000-0.000]	1,434 [1,198-1,597]	958 [483-1,615]	46,132 [31,469-62,078]	0 [0-0]	0 [0-0]	0 [0-0]	88
Western Sahara	0.000 [0.000-0.001]	12 [11-14]	10 [6-16]	461 [344-586]	4 [1-15]	3 [0-18]	149 [23-653]	132
Yemen	0.000 [0.000-0.000]	969 [920-1,018]	1,302 [920-1,749]	45,683 [38,281-53,557]	86 [30-233]	115 [30-401]	4,037 [1,233-12,266]	37
Zambia	0.009 [0.001-0.020]	659 [632-685]	1,683 [1,354-2,049]	42,398 [37,432-47,631]	6,039 [4,927-7,367]	15,440 [10,552-22,052]	388,855 [291,626-512,562]	3
Zimbabwe	0.001 [0.000-0.003]	381 [350-412]	309 [180-473]	14,537 [11,227-18,155]	507 [315-798]	411 [162-916]	19,341 [10,077-35,203]	183
WHO regions⁶								
AFRO	0.007 [0.000-0.015]	32,106 [30,388-33,824]	44,589 [32,306-58,967]	1,532,888 [1,292,478-1,789,440]	237,381 [191,067-295,354]	347,674 [217,838-536,072]	11,697,397 [8,461,417-16,020,136]	/
AMRO	0.001 [0.000-0.002]	15,471 [13,658-17,284]	13,833 [7,880-21,602]	587,398 [429,357-761,868]	11,143 [6,305-19,823]	9,596 [3,503-23,899]	417,065 [195,281-862,232]	/
EMRO	0.001 [0.000-0.001]	15,831 [14,549-17,112]	15,426 [9,891-22,283]	633,872 [500,984-777,570]	10,559 [6,242-19,390]	10,791 [4,529-26,235]	433,457 [223,215-897,309]	/
EURO	0.000 [0.000-0.001]	10,947 [9,344-12,549]	9,742 [5,472-15,258]	405,806 [290,664-531,201]	1,939 [932-4,330]	1,902 [604-5,717]	75,897 [30,533-192,299]	/
SEARO	0.001 [0.000-0.003]	37,344 [33,426-41,262]	27,993 [15,384-44,575]	1,329,998 [979,394-1,718,969]	44,454 [33,696-59,338]	33,910 [15,938-64,943]	1,605,997 [1,007,529-2,501,090]	/
WPRO	0.000 [0.000-0.000]	23,353 [19,862-26,772]	17,604 [9,505-28,307]	803,894 [563,362-1,068,964]	6 [1-23]	7 [1-36]	249 [46-1,122]	/
hS regions⁷								
Eurasia	0.000 [0.000-0.001]	0 [0-0]	0 [0-0]	0 [0-0]	5,130 [2,474-11,179]	4,478 [1,385-13,518]	193,796 [77,985-484,394]	/
Americas	0.001 [0.000-0.002]	0 [0-0]	0 [0-0]	0 [0-0]	11,181 [6,324-19,896]	9,628 [3,514-23,983]	418,472 [195,879-865,325]	/
Sub-Saharan Africa	0.007 [0.000-0.015]	33,356 [31,611-35,100]	46,876 [34,049-61,859]	1,604,473 [1,355,472-1,870,048]	242,187 [194,549-302,012]	353,533 [220,901-546,741]	11,916,113 [8,599,975-16,361,830]	/
Southeast Asia	0.000 [0.000-0.000]	0 [0-0]	0 [0-0]	0 [0-0]	7 [1-32]	8 [1-46]	279 [48-1,503]	/
Arab-India	0.001 [0.000-0.003]	0 [0-0]	0 [0-0]	0 [0-0]	47,264 [35,050-65,640]	36,540 [16,730-73,326]	1,713,342 [1,049,712-2,784,723]	/
World								
World	0.002 [0.000-0.005]	135,775 [121,853-149,622]	129,904 [80,863-192,085]	4,667,193 [4,077,536-6,685,367]	305,773 [238,400-398,775]	404,190 [242,530-657,634]	14,242,161 [9,923,623-20,498,521]	/

¹ New output from the Bayesian geostatistical model described in Piel et al [21]. The interquartile range (IQR) corresponds to the 25% and 75% quantiles of the full posterior predictive distribution.

² In thousands. From the 2010 Revision of the United Nations World Population Prospects [22]. Confidence intervals (CI) based on the low- and high-fertility variants.

³ In thousands. Sum of the projected births between 2010 and 2050 based on the 2010 Revision of the United Nations World Population Prospects [22]. Confidence intervals (CI) based on the low- and high-fertility variants.

⁴ Product of ¹ and ². The lower bounds of the CI are based on the product of the 25% quantile of SCA frequencies and the low-fertility variant birth counts. The higher bounds of the CI are based on the product of the 75% quantile of SCA frequencies and the high-fertility variant birth counts.

⁵ Product of ¹ and ³. The lower bounds of the CI are based on the product of the 25% quantile of SCA frequencies and the low-fertility variant birth counts. The higher bounds of the CI are based on the product of the 75% quantile of SCA frequencies and the high-fertility variant birth counts.

⁶ As defined at <http://www.who.int/about/regions/en/index.html>.

⁷ As shown in Web Figure 8, Web Appendix 2 (p. 23) in Piel et al [21].

⁸ Calculated based on the difference between the medium estimates of SCA births in 2050 and 2010. The lowest rank corresponds to the largest increase between 2010 and 2050. The lowest rank corresponds to the largest decrease over the study period. Countries not shown in Figure 3 are italicized.