Supplementary Materials

Table A1.

**Timetable for 191 countries/regions to reach herd immunity** under the current phase of the pandemic and vaccinations administered (biweekly averaged data from 30 August 2021 to 12 September 2021) (the symbol “-” indicates countries that cannot reach herd immunity in 3 years or are in great need of rapid vaccine assistance to control their severe pandemic situations)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Continents** | **Countries/regions** | **Population** | **Date of herd immunity** | **Vaccine doses required** | **Total vaccinations per 100 people** |
| **South America** | Argentina | 45,605,823 | 2021/10/22 | 59,140,291 | 102.38 |
| Bolivia | 11,832,936 | 2022/11/3 | 17,848,828 | 52.76 |
| Brazil | 213,993,441 | 2021/11/2 | 279,547,211 | 98.26 |
| Chile | 19,212,362 | Reached | 29,709,026 | 157.19 |
| Colombia | 51,265,841 | 2022/5/6 | 67,622,906 | 72.24 |
| Ecuador | 17,888,474 | 2021/10/27 | 23,354,548 | 113.33 |
| Guyana | 790,329 | 2022/5/25 | 1,101,813 | 63.53 |
| Paraguay | 7,219,641 | 2022/7/31 | 10,002,656 | 59.16 |
| Peru | 33,359,415 | 2022/3/23 | 45,313,310 | 61.90 |
| Suriname | 591,798 | 2022/3/17 | 778,337 | 61.68 |
| Uruguay | 3,485,152 | 2021/9/13 | 5,810,728 | 169.83 |
| Venezuela | 28,704,947 | - | - | - |
| **Oceania** | Australia | 25,788,217 | 2021/11/22 | 38,970,543 | 87.15 |
| Fiji | 902,899 | 2021/11/21 | 1,265,522 | 95.93 |
| Marshall Islands | 59,618 | - | - | - |
| New Zealand | 4,860,642 | 2021/11/8 | 7,298,319 | 85.66 |
| Papua New Guinea | 9,119,005 | - | - | - |
| Samoa | 200,144 | 2022/3/15 | 305,096 | 68.93 |
| Solomon Islands | 703,995 | 2023/7/16 | 1,049,249 | 11.85 |
| Togo | 8,478,242 | - | - | - |
| Vanuatu | 314,464 | - | - | - |
| **North America** | Antigua and Barbuda | 98,728 | 2022/4/19 | 142,286 | 79.00 |
| Bahamas | 396,914 | 2022/8/12 | 516,488 | 40.72 |
| Barbados | 287,708 | 2022/3/22 | 392,893 | 75.08 |
| Belize | 404,915 | 2022/1/4 | 562,628 | 63.19 |
| Canada | 38,067,913 | 2021/10/2 | 55,587,083 | 142.74 |
| Costa Rica | 5,139,053 | 2021/11/15 | 6,781,764 | 89.13 |
| Cuba | 11,317,498 | 2021/9/16 | 15,267,741 | 139.83 |
| Dominica | 72,172 | 2022/4/29 | 56,986 | 60.13 |
| Dominican Republic | 10,953,714 | 2022/3/3 | 15,840,861 | 104.48 |
| El Salvador | 6,518,500 | 2021/11/9 | 9,889,729 | 105.74 |
| Grenada | 113,015 | 2021/11/7 | 57,364 | 40.22 |
| Guatemala | 18,249,868 | 2022/7/3 | 26,752,100 | 29.89 |
| Haiti | 11,541,683 | - | - | - |
| Honduras | 10,062,994 | 2022/8/6 | 15,046,362 | 44.98 |
| Jamaica | 2,973,462 | 2022/11/27 | 3,773,620 | 20.65 |
| Mexico | 130,262,220 | 2022/5/2 | 197,671,931 | 70.00 |
| Nicaragua | 6,702,379 | - | - | - |
| Panama | 4,381,583 | 2021/10/7 | 5,763,385 | 111.03 |
| Saint Kitts and Nevis | 53,546 | 2022/6/29 | 72,472 | 87.00 |
| Saint Lucia | 184,401 | - | - | - |
| Saint Vincent and the Grenadines | 111,269 | - | - | - |
| Trinidad and Tobago | 1,403,374 | 2022/3/20 | 2,051,765 | 69.94 |
| US | 332,915,074 | 2021/11/5 | 415,407,370 | 113.98 |
| **Europe** | Albania | 2,872,934 | 2022/4/28 | 3,897,583 | 55.33 |
| Andorra | 77,354 | Reached | 93,430 | 120.78 |
| Austria | 9,043,072 | 2022/2/6 | 12,254,176 | 117.46 |
| Belarus | 9,442,867 | - | - | - |
| Belgium | 11,632,334 | Reached | 16,327,333 | 140.58 |
| Bosnia and Herzegovina | 3,263,459 | 2022/9/20 | 4,445,489 | 32.49 |
| Bulgaria | 6,896,655 | - | - | - |
| Croatia | 4,081,657 | 2022/11/16 | 5,407,878 | 81.51 |
| Cyprus | 888,005 | 2021/9/16 | 1,119,295 | 125.83 |
| Czechia | 10,724,553 | 2021/12/21 | 13,000,835 | 108.45 |
| Denmark | 5,813,302 | Reached | 8,649,137 | 149.22 |
| Estonia | 1,325,188 | 2022/1/13 | 1,679,779 | 98.74 |
| Finland | 5,548,361 | 2021/10/26 | 8,282,429 | 129.50 |
| France | 67,564,251 | Reached | 90,255,124 | 134.47 |
| Germany | 83,900,471 | 2021/12/21 | 120,316,529 | 123.93 |
| Greece | 10,370,747 | 2021/12/31 | 14,326,310 | 112.78 |
| Holy See | 812 | - | - | - |
| Hungary | 9,634,162 | 2023/11/9 | 9,249,943 | 96.01 |
| Iceland | 343,360 | Reached | 530,720 | 155.93 |
| Ireland | 4,982,904 | Reached | 6,951,868 | 140.60 |
| Italy | 60,367,471 | 2021/9/27 | 83,230,280 | 133.77 |
| Kosovo | 1,932,774 | 2021/12/24 | 2,450,371 | 52.55 |
| Latvia | 1,866,934 | 2022/5/3 | 2,532,703 | 83.19 |
| Liechtenstein | 38,254 | 2023/6/14 | 50,270 | 113.18 |
| Lithuania | 2,689,862 | 2021/10/9 | 3,467,362 | 121.48 |
| Luxembourg | 634,814 | 2021/10/31 | 805,651 | 121.53 |
| Malta | 514,564 | Reached | 801,271 | 156.53 |
| Moldova | 4,024,025 | - | - | - |
| Monaco | 39,520 | 2021/10/31 | 53,521 | 124.65 |
| Montenegro | 628,051 | 2022/1/15 | 622,856 | 66.20 |
| Netherlands | 17,173,094 | 2021/9/29 | 22,249,609 | 128.70 |
| North Macedonia | 2,082,661 | 2022/2/27 | 2,767,660 | 65.21 |
| Norway | 5,465,629 | 2021/10/4 | 8,058,725 | 135.17 |
| Poland | 37,797,000 | 2022/11/15 | 53,154,785 | 97.20 |
| Portugal | 10,167,923 | Reached | 15,153,637 | 150.64 |
| Romania | 19,127,772 | - | - | - |
| Russia | 145,912,022 | 2022/7/30 | 206,927,997 | 58.33 |
| San Marino | 34,010 | Reached | 46,568 | 136.94 |
| Serbia | 6,804,596 | 2022/1/6 | 8,000,786 | 89.50 |
| Slovakia | 5,460,726 | 2023/9/1 | 7,636,310 | 84.28 |
| Slovenia | 2,078,723 | 2022/1/6 | 2,544,998 | 94.35 |
| Spain | 46,745,211 | Reached | 67,582,722 | 145.91 |
| Sweden | 10,160,159 | 2021/9/28 | 13,215,105 | 129.31 |
| Switzerland | 8,715,494 | 2021/12/18 | 11,579,814 | 112.84 |
| Ukraine | 43,466,822 | 2022/11/20 | 63,682,259 | 24.54 |
| United Kingdom | 68,207,114 | Reached | 91,937,802 | 135.31 |
| **Asia** | Bhutan | 39,835,428 | - | - | - |
| Afghanistan | 2,968,128 | - | - | - |
| Armenia | 10,223,344 | 2022/1/10 | 14,138,335 | 73.29 |
| Azerbaijan | 1,748,295 | Reached | 2,511,607 | 144.09 |
| Bahrain | 166,303,494 | 2022/10/24 | 265,643,457 | 20.27 |
| Bangladesh | 779,900 | 2022/5/19 | 1,191,628 | 134.00 |
| Brunei | 441,532 | 2021/11/20 | 665,318 | 84.14 |
| Burma | 54,806,014 | - | - | - |
| Cambodia | 16,946,446 | 2021/10/24 | 25,933,786 | 121.99 |
| China Hong Kong | 7,552,800 | 2021/12/5 | 11,802,251 | 107.45 |
| China Macao | 658,391 | 2022/5/6 | 1,031,681 | 92.31 |
| China Taiwan | 23,855,008 | 2022/4/24 | 34,102,599 | 51.57 |
| Georgia | 3,979,773 | 2022/2/23 | 4,489,963 | 36.01 |
| India | 1,393,409,033 | 2022/3/12 | 1,992,185,199 | 52.64 |
| Indonesia | 276,361,788 | 2022/5/15 | 408,908,884 | 41.17 |
| Iran | 85,028,760 | 2022/10/21 | 115,042,956 | 34.29 |
| Iraq | 41,179,351 | - | - | - |
| Israel | 8,789,776 | Reached | 14,283,028 | 163.74 |
| Japan | 126,050,796 | 2021/11/5 | 189,732,190 | 112.20 |
| Jordan | 10,269,022 | 2022/10/10 | 14,093,998 | 64.66 |
| Kazakhstan | 18,994,958 | 2022/3/27 | 26,594,530 | 68.00 |
| Korea South | 51,305,184 | 2021/10/26 | 78,493,609 | 101.03 |
| Kuwait | 4,328,553 | - | - | - |
| Kyrgyzstan | 6,628,347 | - | - | - |
| Laos | 7,379,358 | 2022/11/13 | 11,109,307 | 59.66 |
| Lebanon | 6,769,151 | 2023/1/24 | 8,881,263 | 38.42 |
| Malaysia | 32,776,195 | 2021/10/12 | 45,598,279 | 116.73 |
| Maldives | 543,620 | Reached | 693,398 | 129.38 |
| Mongolia | 3,329,282 | 2021/10/26 | 4,466,785 | 130.92 |
| Nepal | 29,674,920 | 2022/6/6 | 45,123,453 | 36.83 |
| Oman | 5,223,376 | 2021/11/23 | 7,412,574 | 77.27 |
| Pakistan | 225,199,929 | 2022/6/13 | 337,860,560 | 29.90 |
| Palestine | 5,222,756 | 2022/3/7 | 6,358,120 | 32.05 |
| Philippines | 111,046,910 | 2022/9/21 | 159,648,815 | 33.97 |
| Qatar | 2,930,524 | Reached | 4,547,618 | 156.24 |
| Saudi Arabia | 35,340,680 | 2021/11/29 | 54,046,360 | 111.35 |
| Singapore | 5,896,684 | 2021/9/18 | 9,026,207 | 152.23 |
| Sri Lanka | 21,497,306 | 2021/10/16 | 32,656,891 | 110.61 |
| Syria | 18,275,704 | - | - | - |
| Tajikistan | 9,749,625 | 2022/3/24 | 15,840,711 | 32.56 |
| Thailand | 69,950,844 | 2022/1/6 | 101,526,488 | 55.57 |
| The Mainland of China | 1,444,216,102 | 2021/9/30 | 2,239,025,143 | 148.36 |
| Timor-Leste | 1,343,875 | 2023/5/20 | 1,972,752 | 43.78 |
| Turkey | 85,042,736 | 2021/10/9 | 114,277,827 | 119.30 |
| United Arab Emirates | 9,991,083 | Reached | 18,496,497 | 188.78 |
| Uzbekistan | 33,935,765 | 2022/6/16 | 53,952,525 | 47.08 |
| Vietnam | 98,168,829 | 2022/4/7 | 132,060,772 | 27.61 |
| Yemen | 30,490,639 | - | - | - |
| **Africa** | Algeria | 44,616,626 | 2022/4/25 | 69,937,823 | 17.93 |
| Angola | 33,933,611 | - | - | - |
| Benin | 12,451,031 | - | - | - |
| Botswana | 2,397,240 | 2022/5/30 | 3,110,304 | 23.93 |
| Burkina Faso | 21,497,097 | - | - | - |
| Burundi | 12,255,429 | - | - | - |
| Cabo Verde | 561,901 | 2022/11/6 | 684,751 | 54.99 |
| Cameroon | 27,224,262 | - | - | - |
| Central African Republic | 4,919,987 | - | - | - |
| Chad | 16,914,985 | - | - | - |
| Comoros | 888,456 | - | - | - |
| Congo (Brazzaville) | 5,657,017 | - | - | - |
| Congo (Kinshasa) | 92,377,986 | - | - | - |
| Cote d'Ivoire | 27,053,629 | - | - | - |
| Djibouti | 1,002,197 | - | - | - |
| Egypt | 104,258,327 | - | - | - |
| Equatorial Guinea | 1,449,891 | - | - | - |
| Eritrea | 3,601,462 | - | - | - |
| Eswatini | 1,172,369 | - | - | - |
| Ethiopia | 117,876,226 | - | - | - |
| Gabon | 2,278,829 | - | - | - |
| Gambia | 2,486,937 | - | - | - |
| Ghana | 31,732,128 | - | - | - |
| Guinea-Bissau | 2,015,490 | - | - | - |
| Guinea | 13,497,237 | - | - | - |
| Kenya | 54,985,702 | - | - | - |
| Lesotho | 2,159,067 | - | - | - |
| Liberia | 5,180,208 | - | - | - |
| Libya | 6,958,538 | 2022/12/21 | 9,202,088 | 18.31 |
| Madagascar | 28,427,333 | - | - | - |
| Malawi | 19,647,681 | - | - | - |
| Mali | 20,855,724 | - | - | - |
| Mauritania | 4,775,110 | - | - | - |
| Mauritius | 1,273,428 | 2021/11/7 | 1,944,638 | 124.97 |
| Morocco | 37,344,787 | 2021/12/7 | 55,561,632 | 97.13 |
| Mozambique | 32,163,045 | - | - | - |
| Namibia | 2,587,344 | - | - | - |
| Niger | 25,130,810 | - | - | - |
| Nigeria | 211,400,704 | - | - | - |
| Rwanda | 13,276,517 | 2023/3/2 | 20,570,547 | 19.92 |
| Sao Tome and Principe | 223,364 | 2023/2/13 | 306,642 | 22.78 |
| Senegal | 17,196,308 | - | - | - |
| Seychelles | 98,910 | Reached | 145,772 | 147.22 |
| Sierra Leone | 8,141,343 | - | - | - |
| Somalia | 16,359,500 | - | - | - |
| South Africa | 60,041,996 | 2022/9/21 | 86,790,586 | 24.43 |
| South Sudan | 11,381,377 | - | - | - |
| Sudan | 44,909,351 | - | - | - |
| Tanzania | 61,498,438 | - | - | - |
| Tunisia | 11,935,764 | 2022/4/28 | 16,918,714 | 52.72 |
| Uganda | 47,123,533 | - | - | - |
| Zambia | 18,920,657 | - | - | - |
| Zimbabwe | 15,092,171 | 2022/12/26 | 22,846,434 | 31.05 |

Table A2.

**The total number of vaccine doses required and the number of cumulative cases to accelerate the timetable to reach herd immunity to ensure that all countries can reach herd immunity by the end of 2021**, under the current phase of the pandemic and vaccinations administered (biweekly averaged data from 30 August 2021 to 12 September 2021)

|  |  |  |  |
| --- | --- | --- | --- |
| **Continents** | **Countries/regions** | **Current vaccinations administered** | **Equitable vaccine allocation** |
| **Cumulative cases** | **Vaccine doses required** | **Cumulative cases** | **Vaccine doses required** |
| **South America** | Argentina | 5,356,696  | 84,467,681  | 5,280,604  | 122,762,786  |
| Bolivia | 513,938  | 9,238,464  | 502,157  | 28,076,976  |
| Brazil | 21,826,000  | 368,950,628  | 21,320,915  | 575,554,305  |
| Chile | 1,661,084  | 41,812,830  | 1,642,068  | 29,597,982  |
| Colombia | 5,030,056  | 50,865,266  | 4,973,117  | 125,834,785  |
| Ecuador | 515,210  | 28,050,965  | 509,306  | 53,713,275  |
| Guyana | 38,250  | 751,265  | 31,028  | 1,961,692  |
| Paraguay | 465,735  | 6,113,592  | 461,619  | 17,166,269  |
| Peru | 2,216,624  | 34,515,175  | 2,183,840  | 80,355,533  |
| Suriname | 59,379  | 604,807  | 41,803  | 1,437,037  |
| Uruguay | 391,471  | 9,170,116  | 386,061  | 5,779,908  |
| Venezuela | 408,677  | 9,342,817  | 388,047  | 38,651,723  |
| **Oceania** | Australia | 249,864  | 48,849,382  | 139,663  | 70,715,061  |
| Fiji | 60,393  | 1,516,933  | 53,057  | 2,478,010  |
| Marshall Islands | 4  | 0  | 4  | 81,472  |
| New Zealand | 5,251  | 10,402,541  | 4,741  | 13,349,654  |
| Papua New Guinea | 18,785  | 302,524  | 18,445  | 12,572,495  |
| Samoa | 3  | 236,392  | 3  | 521,204  |
| Solomon Islands | 20  | 241,535  | 20  | 975,143  |
| Togo | 41,070  | 1,566,693  | 33,572  | 11,644,002  |
| Vanuatu | 4  | 43,645  | 4  | 431,479  |
| **North America** | Antigua and Barbuda | 3,473  | 108,831  | 2,305  | 262,196  |
| Bahamas | 26,489  | 278,488  | 21,835  | 892,292  |
| Barbados | 13,673  | 316,267  | 7,869  | 757,841  |
| Belize | 23,277  | 551,636  | 19,851  | 999,071  |
| Canada | 1,686,258  | 63,399,025  | 1,559,983  | 124,486,130  |
| Costa Rica | 594,582  | 8,580,982  | 529,379  | 13,283,889  |
| Cuba | 899,715  | 31,053,223  | 838,209  | 35,190,019  |
| Dominica | 12,944  | 49,633  | 3,935  | 178,426  |
| Dominican Republic | 370,523  | 14,207,214  | 357,402  | 31,805,463  |
| El Salvador | 101,140  | 12,816,623  | 98,637  | 19,041,820  |
| Grenada | 53,116  | 68,843  | 17,879  | 261,020  |
| Guatemala | 728,602  | 13,099,471  | 649,556  | 23,878,771  |
| Haiti | 23,372  | 155,581  | 22,379  | 15,786,434  |
| Honduras | 422,878  | 8,054,230  | 382,778  | 23,309,521  |
| Jamaica | 144,018  | 1,374,035  | 127,735  | 3,864,019  |
| Mexico | 4,344,327  | 139,868,357  | 3,792,611  | 332,922,095  |
| Nicaragua | 17,967  | 1,373,268  | 14,471  | 9,144,080  |
| Panama | 469,160  | 9,339,061  | 465,819  | 12,292,685  |
| Saint Kitts and Nevis | 3,473  | 56,272  | 1,597  | 147,432  |
| Saint Lucia | 26,306  | 65,631  | 13,704  | 403,077  |
| Saint Vincent and the Grenadines | 2,887  | 38,494  | 2,731  | 147,950  |
| Trinidad and Tobago | 59,364  | 1,585,778  | 52,044  | 3,561,140  |
| US | 48,116,004  | 457,841,314  | 42,127,321  | 940,307,892  |
| **Europe** | Albania | 224,978  | 2,677,033  | 182,455  | 6,799,098  |
| Andorra | 15,430  | 93,430  | 15,083  | 93,430  |
| Austria | 808,359  | 11,825,412  | 726,582  | 26,682,498  |
| Belarus | 649,464  | 4,042,869  | 600,090  | 12,034,256  |
| Belgium | 1,328,880  | 17,952,492  | 1,200,665  | 16,312,423  |
| Bosnia and Herzegovina | 260,642  | 1,965,418  | 249,105  | 4,074,964  |
| Bulgaria | 561,668  | 3,277,958  | 524,096  | 8,788,149  |
| Croatia | 425,390  | 3,840,975  | 393,796  | 10,461,188  |
| Cyprus | 130,474  | 1,364,450  | 120,448  | 2,603,607  |
| Czechia | 1,694,217  | 13,144,135  | 1,684,805  | 29,051,788  |
| Denmark | 394,059  | 9,809,076  | 350,533  | 8,638,495  |
| Estonia | 167,973  | 1,638,762  | 151,630  | 3,574,586  |
| Finland | 164,554  | 10,159,936  | 142,743  | 17,503,946  |
| France | 7,078,667  | 118,755,541  | 6,690,232  | 89,993,652  |
| Germany | 4,692,609  | 122,037,571  | 4,182,607  | 257,508,280  |
| Greece | 780,551  | 14,326,310  | 649,635  | 30,433,288  |
| Holy See | 27  | 0  | 27  | 1,047  |
| Hungary | 829,852  | 9,249,943  | 818,092  | 26,302,589  |
| Iceland | 14,360  | 599,725  | 11,158  | 530,087  |
| Ireland | 411,662  | 8,540,769  | 371,025  | 15,876,049  |
| Italy | 4,891,891  | 106,974,831  | 4,688,989  | 187,337,489  |
| Kosovo | 228,126  | 2,554,198  | 190,712  | 4,362,302  |
| Latvia | 167,310  | 2,003,935  | 152,831  | 4,860,198  |
| Liechtenstein | 4,028  | 44,365  | 3,526  | 110,634  |
| Lithuania | 344,056  | 4,231,354  | 316,259  | 7,832,088  |
| Luxembourg | 81,811  | 851,884  | 77,517  | 1,848,198  |
| Malta | 40,172  | 877,493  | 36,587  | 800,572  |
| Moldova | 309,182  | 1,761,402  | 299,142  | 5,064,621  |
| Monaco | 3,678  | 59,534  | 3,349  | 118,810  |
| Montenegro | 157,201  | 596,695  | 133,726  | 1,388,929  |
| Netherlands | 2,152,840  | 23,239,175  | 2,022,099  | 51,483,331  |
| North Macedonia | 224,186  | 2,254,178  | 197,761  | 4,957,020  |
| Norway | 244,640  | 11,356,594  | 195,352  | 17,472,165  |
| Poland | 2,924,073  | 40,789,388  | 2,900,462  | 104,010,221  |
| Portugal | 1,110,670  | 20,473,662  | 1,050,111  | 15,104,829  |
| Romania | 1,211,854  | 10,702,231  | 1,155,338  | 44,659,145  |
| Russia | 8,168,092  | 125,413,709  | 7,610,854  | 351,583,917  |
| San Marino | 5,385  | 47,246  | 5,349  | 46,562  |
| Serbia | 1,093,988  | 7,898,480  | 893,935  | 17,653,259  |
| Slovakia | 411,034  | 5,052,280  | 401,519  | 14,376,377  |
| Slovenia | 305,255  | 2,512,754  | 282,275  | 5,415,745  |
| Spain | 5,118,119  | 89,077,546  | 4,901,111  | 67,385,522  |
| Sweden | 1,138,875  | 16,829,748  | 1,133,596  | 30,051,842  |
| Switzerland | 817,677  | 11,825,584  | 792,523  | 25,055,193  |
| Ukraine | 2,560,384  | 23,548,934  | 2,523,445  | 55,095,537  |
| United Kingdom | 10,111,682  | 103,916,092  | 7,465,362  | 91,827,909  |
| **Asia** | Bhutan | 157,213  | 8,095,385  | 156,511  | 53,565,993  |
| Afghanistan | 287,292  | 524,794  | 273,270  | 3,570,170  |
| Armenia | 718,919  | 13,563,172  | 560,911  | 26,138,777  |
| Azerbaijan | 278,908  | 2,801,967  | 273,293  | 2,508,943  |
| Bahrain | 1,736,304  | 92,282,160  | 1,670,049  | 225,814,630  |
| Bangladesh | 2,608  | 1,109,817  | 2,599  | 2,547,862  |
| Brunei | 11,150  | 850,644  | 6,991  | 1,200,144  |
| Burma | 778,241  | 6,253,687  | 631,211  | 73,329,164  |
| Cambodia | 121,172  | 35,444,698  | 108,945  | 52,636,260  |
| China Hong Kong | 12,227  | 13,013,925  | 12,174  | 22,466,244  |
| China Macao | 64  | 805,340  | 63  | 1,880,508  |
| China Taiwan | 16,459  | 22,577,280  | 16,223  | 57,545,016  |
| Georgia | 761,750  | 3,452,801  | 656,140  | 7,936,423  |
| India | 35,849,126  | 1,480,776,657  | 34,488,677  | 3,318,392,037  |
| Indonesia | 4,677,386  | 242,373,038  | 4,558,437  | 378,898,339  |
| Iran | 7,585,143  | 52,538,535  | 7,000,552  | 108,996,012  |
| Iraq | 2,428,512  | 8,749,455  | 2,256,792  | 52,162,972  |
| Israel | 1,127,408  | 21,356,746  | 1,113,207  | 14,218,131  |
| Japan | 2,428,400  | 245,780,798  | 1,954,364  | 376,299,945  |
| Jordan | 872,691  | 8,675,559  | 830,431  | 24,869,671  |
| Kazakhstan | 1,270,599  | 20,410,983  | 1,050,481  | 47,493,434  |
| Korea South | 331,303  | 124,442,121  | 310,187  | 146,538,156  |
| Kuwait | 419,067  | 2,375,455  | 413,433  | 9,950,368  |
| Kyrgyzstan | 189,987  | 2,249,809  | 185,105  | 8,731,033  |
| Laos | 37,308  | 6,115,742  | 22,602  | 18,618,105  |
| Lebanon | 682,199  | 3,934,322  | 661,356  | 8,695,405  |
| Malaysia | 2,916,856  | 69,206,187  | 2,443,402  | 96,476,600  |
| Maldives | 92,388  | 836,515  | 82,364  | 692,085  |
| Mongolia | 423,881  | 4,643,378  | 261,710  | 10,320,836  |
| Nepal | 869,570  | 24,785,617  | 847,873  | 39,438,868  |
| Oman | 306,166  | 9,194,470  | 304,852  | 13,549,388  |
| Pakistan | 1,547,019  | 173,536,543  | 1,454,378  | 309,729,883  |
| Palestine | 550,585  | 4,576,700  | 495,410  | 6,471,147  |
| Philippines | 4,101,522  | 72,364,343  | 3,547,750  | 148,554,551  |
| Qatar | 241,626  | 5,834,371  | 234,001  | 4,535,813  |
| Saudi Arabia | 556,555  | 60,520,653  | 548,706  | 105,536,062  |
| Singapore | 85,919  | 9,884,371  | 73,926  | 20,243,167  |
| Sri Lanka | 622,831  | 56,681,929  | 573,702  | 62,559,084  |
| Syria | 38,721  | 519,021  | 38,101  | 24,732,439  |
| Tajikistan | 18,637  | 10,393,599  | 18,383  | 13,555,567  |
| Thailand | 2,741,685  | 98,132,681  | 1,982,408  | 168,621,910  |
| The Mainland of China | 96,552  | 2,882,729,429  | 95,684  | 4,905,050,299  |
| Timor-Leste | 35,913  | 835,925  | 28,655  | 1,914,277  |
| Turkey | 7,552,809  | 164,373,651  | 7,054,205  | 249,748,611  |
| United Arab Emirates | 781,856  | 24,726,112  | 726,064  | 18,439,345  |
| Uzbekistan | 213,360  | 30,684,415  | 187,804  | 80,655,785  |
| Vietnam | 3,243,304  | 80,803,007  | 2,412,062  | 130,055,650  |
| Yemen | 12,826  | 311,483  | 10,992  | 41,970,837  |
| **Africa** | Algeria | 223,580  | 38,280,714  | 218,775  | 61,301,577  |
| Angola | 68,462  | 4,009,416  | 61,216  | 46,136,249  |
| Benin | 138,940  | 582,445  | 50,569  | 16,719,732  |
| Botswana | 204,153  | 1,620,515  | 192,435  | 2,912,061  |
| Burkina Faso | 14,869  | 188,384  | 14,565  | 29,469,222  |
| Burundi | 19,436  | 0  | 15,707  | 16,732,172  |
| Cabo Verde | 43,766  | 407,412  | 39,848  | 1,325,563  |
| Cameroon | 91,582  | 507,066  | 88,578  | 36,622,412  |
| Central African Republic | 11,499  | 137,157  | 11,421  | 6,653,816  |
| Chad | 5,083  | 261,121  | 5,055  | 23,178,579  |
| Comoros | 4,327  | 277,419  | 4,237  | 1,220,742  |
| Congo (Brazzaville) | 13,811  | 441,836  | 13,761  | 7,814,859  |
| Congo (Kinshasa) | 60,038  | 252,586  | 58,100  | 126,284,832  |
| Cote d'Ivoire | 76,066  | 2,979,765  | 69,020  | 36,539,013  |
| Djibouti | 12,284  | 111,024  | 12,123  | 1,347,664  |
| Egypt | 311,581  | 26,359,787  | 309,974  | 142,111,221  |
| Equatorial Guinea | 19,594  | 526,365  | 15,713  | 1,992,418  |
| Eritrea | 6,818  | 0  | 6,739  | 4,912,909  |
| Eswatini | 53,680  | 422,656  | 51,950  | 1,524,539  |
| Ethiopia | 459,126  | 5,076,443  | 398,708  | 159,320,544  |
| Gabon | 30,559  | 269,554  | 29,174  | 3,074,875  |
| Gambia | 10,696  | 261,748  | 10,335  | 3,420,170  |
| Ghana | 155,201  | 1,271,393  | 138,574  | 43,417,997  |
| Guinea-Bissau | 7,413  | 31,090  | 6,798  | 2,710,511  |
| Guinea | 34,695  | 2,887,403  | 32,996  | 18,344,804  |
| Kenya | 298,592  | 5,145,263  | 276,024  | 74,038,379  |
| Lesotho | 14,617  | 201,795  | 14,554  | 2,918,380  |
| Liberia | 6,949  | 113,680  | 6,408  | 7,012,988  |
| Libya | 431,871  | 3,039,896  | 400,056  | 8,656,067  |
| Madagascar | 43,670  | 959,512  | 43,334  | 39,075,173  |
| Malawi | 65,709  | 1,381,974  | 63,987  | 27,027,000  |
| Mali | 15,695  | 718,630  | 15,457  | 28,826,542  |
| Mauritania | 45,106  | 678,463  | 41,295  | 6,428,790  |
| Mauritius | 22,831  | 2,310,743  | 14,488  | 4,003,009  |
| Morocco | 1,130,977  | 61,154,068  | 984,066  | 106,001,983  |
| Mozambique | 171,215  | 2,297,842  | 162,790  | 43,916,910  |
| Namibia | 133,889  | 705,231  | 131,775  | 3,282,946  |
| Niger | 6,389  | 491,738  | 6,254  | 33,991,630  |
| Nigeria | 250,027  | 12,989,650  | 229,969  | 286,782,509  |
| Rwanda | 126,481  | 6,264,067  | 116,048  | 17,953,395  |
| Sao Tome and Principe | 3,856  | 105,092  | 3,508  | 300,983  |
| Senegal | 78,233  | 1,980,231  | 77,346  | 23,421,554  |
| Seychelles | 20,230  | 162,356  | 20,218  | 145,620  |
| Sierra Leone | 6,540  | 193,557  | 6,468  | 11,040,179  |
| Somalia | 25,293  | 525,943  | 22,283  | 22,098,757  |
| South Africa | 3,391,691  | 35,024,165  | 3,247,615  | 76,387,965  |
| South Sudan | 12,602  | 82,462  | 12,192  | 15,598,640  |
| Sudan | 40,329  | 1,129,054  | 39,324  | 60,957,688  |
| Tanzania | 1,390  | 304,603  | 1,382  | 84,350,600  |
| Tunisia | 805,761  | 11,384,573  | 736,244  | 27,993,062  |
| Uganda | 130,767  | 3,803,977  | 127,271  | 64,146,928  |
| Zambia | 218,696  | 1,210,144  | 215,124  | 25,544,012  |
| Zimbabwe | 137,590  | 8,741,454  | 134,062  | 20,894,606  |