

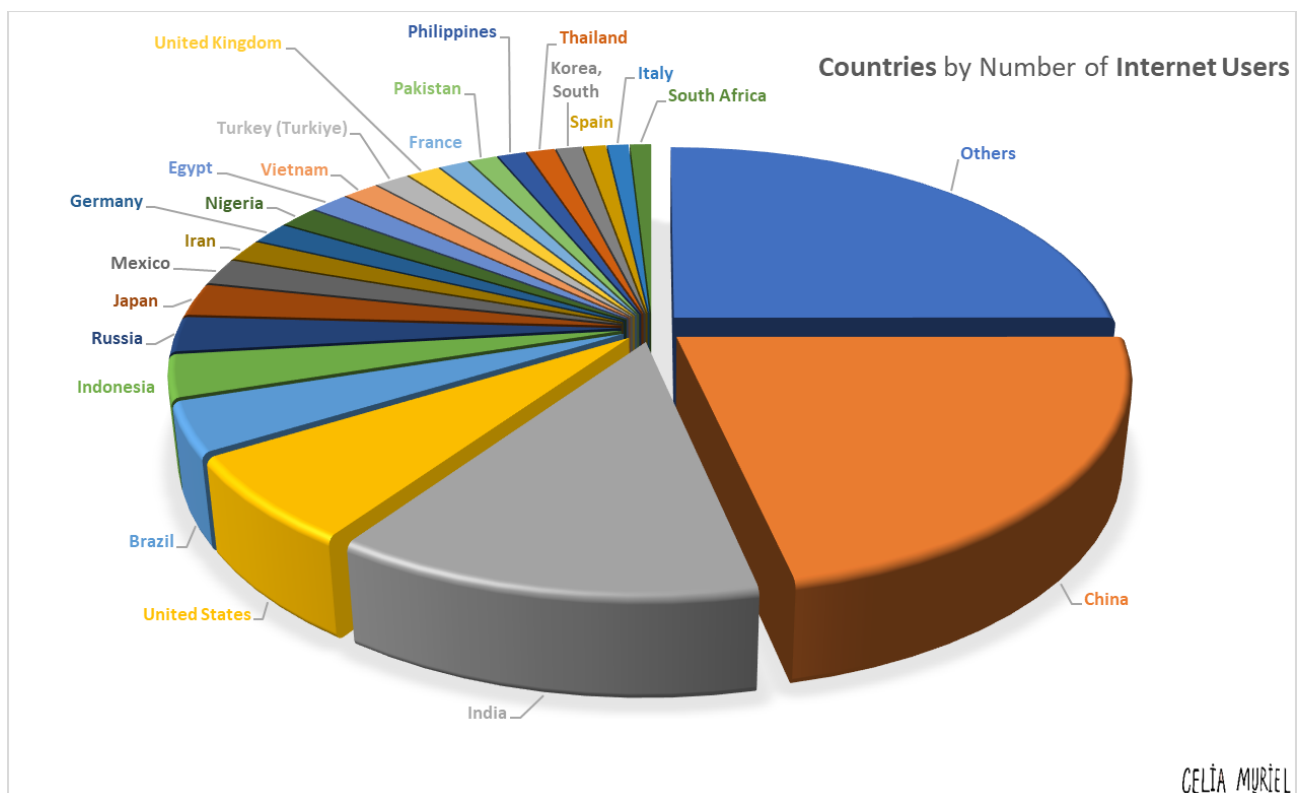
Use of the Internet across the world

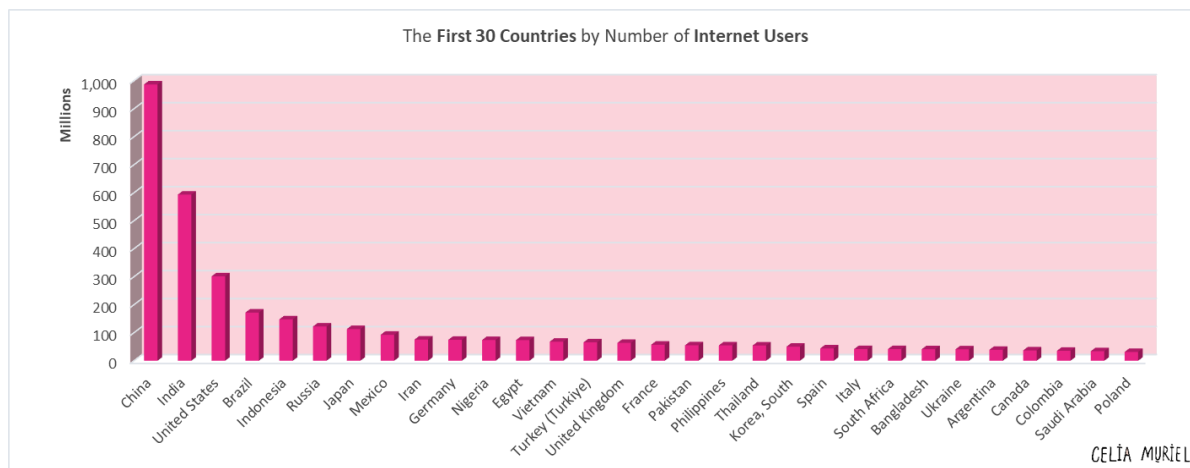
Details of the use of the Internet across the world, which I discussed in the blog post [What you do online is nobody's business](#).

Internet Users

The number of internet users comes from a [country comparison of Internet users](#) in the CIA The World Factbook (accessed on October 19th, 2022). These numbers are a very rough estimate. As the site explains:

"Internet users" compares the number of users within a country that access the Internet. Statistics vary from country to country and may include users who access the Internet at least several times a week to those who access it only once within several months.





| Country/Territory | Num. Internet Users | Date of Information |
|-------------------|---------------------|---------------------|
| China | 987,000,000 | 2020 est. |
| India | 593,400,000 | 2020 est. |
| United States | 301,665,983 | 2020 est. |
| Brazil | 172,173,121 | 2020 est. |
| Indonesia | 147,702,755 | 2020 est. |
| Russia | 122,488,468 | 2020 est. |
| Japan | 113,252,419 | 2020 est. |
| Mexico | 92,831,582 | 2020 est. |
| Iran | 75,594,081 | 2020 est. |
| Germany | 74,844,784 | 2020 est. |
| Nigeria | 74,210,251 | 2020 est. |
| Egypt | 73,680,770 | 2020 est. |
| Vietnam | 68,137,008 | 2020 est. |
| Turkey (Turkiye) | 65,784,472 | 2020 est. |
| United Kingdom | 63,854,528 | 2020 est. |
| France | 57,272,921 | 2020 est. |
| Pakistan | 55,223,083 | 2020 est. |
| Philippines | 54,790,543 | 2020 est. |
| Thailand | 54,443,983 | 2020 est. |
| South Korea | 50,281,152 | 2020 est. |
| Spain | 44,047,980 | 2020 est. |
| Italy | 41,614,669 | 2020 est. |
| South Africa | 41,516,083 | 2020 est. |
| Bangladesh | 41,172,346 | 2020 est. |
| Ukraine | 40,912,381 | July 2022 est. |
| Argentina | 39,024,016 | 2020 est. |
| Canada | 36,896,088 | 2020 est. |
| Colombia | 35,618,019 | 2020 est. |
| Saudi Arabia | 34,117,590 | 2020 est. |
| Poland | 31,456,228 | 2020 est. |



| Country/Territory | Num. Internet Users | Date of Information |
|----------------------------------|---------------------|---------------------|
| Morocco | 31,004,869 | 2020 est. |
| Malaysia | 29,129,398 | 2020 est. |
| Algeria | 27,626,157 | 2020 est. |
| Ethiopia | 27,591,260 | 2020 est. |
| Iraq | 24,133,502 | 2020 est. |
| Australia | 23,123,940 | 2020 est. |
| Peru | 21,431,700 | 2020 est. |
| Taiwan | 21,158,750 | 2019 est. |
| Venezuela | 20,531,397 | 2019 est. |
| Burma | 19,043,428 | 2020 est. |
| Ghana | 18,022,308 | 2020 est. |
| Uzbekistan | 17,161,534 | July 2022 est. |
| Chile | 16,822,264 | 2020 est. |
| Kazakhstan | 16,465,777 | July 2022 est. |
| Kenya | 16,131,390 | 2020 est. |
| Netherlands | 15,871,765 | 2020 est. |
| Romania | 15,020,866 | 2020 est. |
| Tanzania | 13,141,527 | 2020 est. |
| Democratic Republic of the Congo | 12,538,597 | 2020 est. |
| Sudan | 12,277,795 | 2020 est. |
| Angola | 11,831,857 | 2020 est. |
| Ecuador | 11,467,989 | 2020 est. |
| Nepal | 11,071,987 | 2020 est. |
| Belgium | 10,620,701 | 2020 est. |
| Cameroon | 10,087,428 | 2020 est. |
| United Arab Emirates | 9,890,400 | 2020 est. |
| Sweden | 9,835,769 | 2020 est. |
| Cote d'Ivoire | 9,496,179 | 2020 est. |
| Czechia | 9,323,428 | July 2022 est. |
| Uganda | 9,148,200 | 2020 est. |
| Azerbaijan | 8,745,304 | 2022 est. |
| Hungary | 8,588,776 | July 2022 est. |
| Tunisia | 8,509,405 | 2020 est. |
| Guatemala | 8,429,167 | 2020 est. |
| Cuba | 8,381,696 | 2020 est. |
| Dominican Republic | 8,352,886 | 2020 est. |
| Greece | 8,346,434 | 2020 est. |
| Israel | 8,293,590 | 2020 est. |
| Switzerland | 8,118,367 | 2020 est. |
| Portugal | 8,031,723 | 2020 est. |
| Belarus | 8,027,601 | July 2022 est. |
| Yemen | 7,873,719 | 2019 est. |
| Austria | 7,846,840 | 2020 est. |



| Country/Territory | Num. Internet Users | Date of Information |
|-------------------|---------------------|---------------------|
| Sri Lanka | 7,671,650 | 2020 est. |
| Senegal | 7,199,890 | 2020 est. |
| Afghanistan | 7,007,101 | 2020 est. |
| Bolivia | 7,003,817 | 2020 est. |
| Hong Kong | 6,883,256 | 2020 est. |
| Lebanon | 6,825,442 | 2020 est. |
| Jordan | 6,768,137 | 2019 est. |
| Syria | 6,300,237 | 2020 est. |
| Denmark | 5,656,462 | 2020 est. |
| Mali | 5,467,725 | 2020 est. |
| Cambodia | 5,440,559 | 2019 est. |
| Serbia | 5,381,318 | 2020 est. |
| Mozambique | 5,313,424 | 2020 est. |
| Singapore | 5,230,942 | 2020 est. |
| Norway | 5,218,091 | 2020 est. |
| Finland | 5,087,180 | 2020 est. |
| Paraguay | 4,920,000 | 2021 est. |
| Slovakia | 4,917,528 | July 2022 est. |
| Bulgaria | 4,853,811 | 2020 est. |
| Oman | 4,851,291 | 2020 est. |
| New Zealand | 4,677,556 | 2020 est. |
| Burkina Faso | 4,598,721 | 2020 est. |
| Ireland | 4,586,820 | 2020 est. |
| Zimbabwe | 4,310,249 | 2020 est. |
| Kuwait | 4,227,857 | 2020 est. |
| Honduras | 4,159,935 | 2020 est. |
| Costa Rica | 4,126,232 | 2020 est. |
| Haiti | 3,990,887 | 2020 est. |
| Kyrgyzstan | 3,683,700 | July 2022 est. |
| Zambia | 3,676,791 | 2020 est. |
| Georgia | 3,628,500 | July 2022 est. |
| Gaza Strip | 3,602,452 | 2020 est. |
| West Bank | 3,602,452 | 2020 est. |
| El Salvador | 3,567,410 | 2020 est. |
| Rwanda | 3,497,096 | 2020 est. |
| Guinea | 3,414,526 | 2020 est. |
| Croatia | 3,157,190 | 2020 est. |
| Benin | 3,152,032 | 2020 est. |
| Moldova | 3,067,466 | July 2022 est. |
| Tajikistan | 3,013,256 | July 2022 est. |
| Uruguay | 2,987,405 | 2020 est. |
| Nicaragua | 2,981,049 | 2020 est. |
| Qatar | 2,881,060 | 2020 est. |



| Country/Territory | Num. Internet Users | Date of Information |
|--------------------------|---------------------|---------------------|
| Panama | 2,761,452 | 2020 est. |
| Madagascar | 2,696,931 | 2019 est. |
| Malawi | 2,608,025 | 2019 est. |
| Lithuania | 2,603,900 | July 2022 est. |
| Puerto Rico | 2,559,600 | 2020 est. |
| Laos | 2,473,689 | 2020 est. |
| Bosnia and Herzegovina | 2,394,995 | 2020 est. |
| Niger | 2,331,072 | 2019 est. |
| Armenia | 2,288,566 | July 2022 est. |
| Mongolia | 2,065,324 | 2020 est. |
| Albania | 2,043,251 | 2020 est. |
| Togo | 1,986,897 | 2020 est. |
| Mauritania | 1,906,360 | 2020 est. |
| Slovenia | 1,829,105 | 2020 est. |
| North Macedonia | 1,678,750 | 2020 est. |
| Latvia | 1,663,739 | July 2022 est. |
| Chad | 1,642,586 | 2020 est. |
| Jamaica | 1,621,552 | 2019 est. |
| Botswana | 1,505,040 | 2020 est. |
| Kosovo | 1,502,658 | 2019 est. |
| Libya | 1,491,040 | 2019 est. |
| Sierra Leone | 1,435,857 | 2020 est. |
| Gabon | 1,379,951 | 2020 est. |
| Liberia | 1,314,996 | 2020 est. |
| Estonia | 1,276,521 | July 2022 est. |
| Turkmenistan | 1,247,940 | July 2022 est. |
| Cyprus | 1,098,699 | 2020 est. |
| Trinidad and Tobago | 1,074,126 | 2019 est. |
| Burundi | 1,070,170 | 2020 est. |
| Namibia | 1,041,776 | 2020 est. |
| Papua New Guinea | 965,373 | 2019 est. |
| Lesotho | 921,168 | 2020 est. |
| Gambia, The | 894,166 | 2020 est. |
| Mauritius | 822,731 | 2020 est. |
| South Sudan | 783,561 | 2020 est. |
| Luxembourg | 624,115 | 2020 est. |
| Djibouti | 582,921 | 2020 est. |
| Macau | 571,421 | 2020 est. |
| Eswatini | 539,623 | 2019 est. |
| Montenegro | 484,619 | 2020 est. |
| Republic of the Congo | 484,245 | 2019 est. |
| Central African Republic | 482,976 | 2020 est. |
| Guinea-Bissau | 452,640 | 2020 est. |



| Country/Territory | Num. Internet Users | Date of Information |
|--------------------------------|---------------------|---------------------|
| Malta | 448,339 | 2020 est. |
| Fiji | 444,978 | 2019 est. |
| Bhutan | 416,671 | 2020 est. |
| Brunei | 415,609 | 2020 est. |
| Suriname | 410,644 | 2020 est. |
| Timor-Leste | 382,348 | 2020 est. |
| Iceland | 362,798 | 2020 est. |
| Cabo Verde | 361,392 | 2020 est. |
| Equatorial Guinea | 352,555 | 2019 est. |
| The Bahamas | 342,126 | 2020 est. |
| Maldives | 340,542 | 2020 est. |
| Somalia | 308,858 | 2019 est. |
| Guyana | 289,627 | 2019 est. |
| Barbados | 235,357 | 2019 est. |
| New Caledonia | 222,466 | 2019 est. |
| French Polynesia | 203,878 | 2019 est. |
| Belize | 202,787 | 2020 est. |
| Bahrain | 170,158 | 2020 est. |
| Guam | 135,509 | 2019 est. |
| Curacao | 107,060 | 2019 est. |
| Aruba | 103,121 | 2019 est. |
| Saint Lucia | 97,323 | 2020 est. |
| Solomon Islands | 80,379 | 2019 est. |
| Vanuatu | 77,969 | 2019 est. |
| Seychelles | 77,785 | 2020 est. |
| Antigua and Barbuda | 73,807 | 2019 est. |
| Sao Tome and Principe | 72,323 | 2020 est. |
| Andorra | 71,084 | 2020 est. |
| Comoros | 69,568 | 2020 est. |
| Virgin Islands | 68,268 | 2019 est. |
| Samoa | 67,012 | 2019 est. |
| Grenada | 64,136 | 2020 est. |
| Bermuda | 62,625 | 2020 est. |
| Guernsey | 54,726 | 2019 est. |
| Cayman Islands | 53,233 | 2020 est. |
| Eritrea | 53,200 | 2019 est. |
| Dominica | 50,266 | 2019 est. |
| Faroe Islands | 47,703 | 2019 est. |
| Kiribati | 45,390 | 2020 est. |
| Jersey | 44,198 | 2019 est. |
| Tonga | 42,844 | 2019 est. |
| Saint Kitts and Nevis | 42,796 | 2019 est. |
| Federated States of Micronesia | 39,834 | 2019 est. |

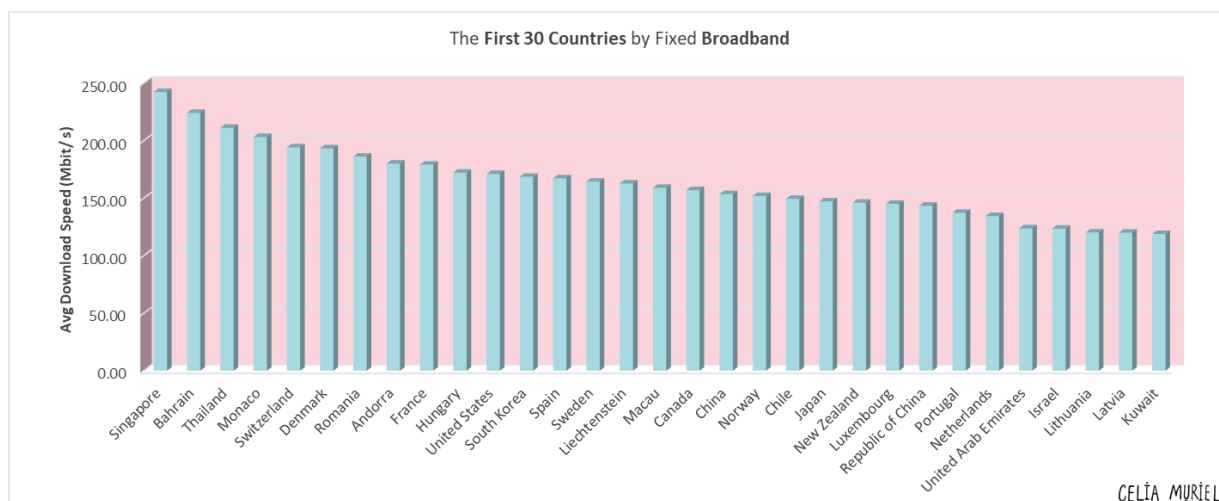


| Country/Territory | Num. Internet Users | Date of Information |
|---|---------------------|---------------------|
| Greenland | 39,358 | 2019 est. |
| Sint Maarten | 39,100 | Mar-22 |
| Monaco | 37,798 | 2019 est. |
| Liechtenstein | 37,260 | 2019 est. |
| Gibraltar | 31,684 | 2019 est. |
| Saint Vincent and the Grenadines | 24,408 | 2020 est. |
| The British Virgin Islands | 23,585 | 2020 est. |
| Marshall Islands | 22,929 | 2019 est. |
| San Marino | 20,318 | 2019 est. |
| Saint Martin | 19,300 | March 2022 est. |
| Northern Mariana Islands | 17,418 | 2016 est. |
| American Samoa | 17,147 | 2020 est. |
| Anguilla | 12,489 | 2019 est. |
| Cook Islands | 9,476 | 2019 est. |
| Palau | 7,650 | 2016 est. |
| Saint Barthelemy | 7,128 | 2020 est. |
| Nauru | 6,136 | 2019 est. |
| Tuvalu | 5,711 | 2019 est. |
| Saint Pierre and Miquelon | 4,500 | 2016 est. |
| Antarctica | 4,400 | 2016 est. |
| Falkland Islands (Islas Malvinas) | 3,343 | 2019 est. |
| Montserrat | 2,744 | 2019 est. |
| Saint Helena, Ascension, and Tristan da Cunha | 2,302 | 2019 est. |
| Niue | 1,292 | 2019 est. |
| Wallis and Futuna | 1,029 | 2019 est. |
| Tokelau | 805 | 2019 est. |
| Christmas Island | 790 | 2016 est. |
| Norfolk Island | 612 | 2016 est. |
| Pitcairn Islands | 50 | 2022 est. |

Fixed broadband

The estimate of the fixed broadband as of March 2022 comes from the Wikipedia article on [Internet connection speeds](#) (accessed on October 19th, 2022).





| Rank | Country/Territory | Average fixed broadband download speed (Mbit/s) (SpeedTestNet.io, 2022) |
|------|----------------------|---|
| 1 | Singapore | 242.17 |
| 2 | Bahrain | 224.15 |
| 3 | Thailand | 211.10 |
| 4 | Monaco | 203.15 |
| 5 | Switzerland | 194.16 |
| 6 | Denmark | 193.23 |
| 7 | Romania | 186.06 |
| 8 | Andorra | 180.10 |
| 9 | France | 179.05 |
| 10 | Hungary | 172.10 |
| 11 | United States | 171.01 |
| 12 | South Korea | 168.46 |
| 13 | Spain | 167.15 |
| 14 | Sweden | 164.32 |
| 15 | Liechtenstein | 162.70 |
| 16 | Macau | 158.94 |
| 17 | Canada | 156.94 |
| 18 | China | 153.49 |
| 19 | Norway | 151.86 |
| 20 | Chile | 149.37 |
| 21 | Japan | 147.19 |
| 22 | New Zealand | 146.01 |
| 23 | Luxembourg | 144.99 |
| 24 | Republic of China | 143.39 |
| 25 | Portugal | 137.26 |
| 26 | Netherlands | 134.42 |
| 27 | United Arab Emirates | 123.65 |



| Rank | Country/Territory | <u>Average fixed broadband download speed (Mbit/s) (SpeedTestNet.io, 2022)</u> |
|------|---------------------|--|
| 28 | Israel | 123.50 |
| 29 | Lithuania | 120.14 |
| 30 | Latvia | 119.95 |
| 31 | Kuwait | 118.86 |
| 32 | Germany | 118.12 |
| 33 | Malta | 116.20 |
| 34 | Finland | 112.15 |
| 35 | Poland | 109.60 |
| 36 | Panama | 104.60 |
| 37 | Barbados | 102.32 |
| 38 | Moldova | 101.50 |
| 39 | Ireland | 99.67 |
| 40 | Qatar | 97.79 |
| 41 | Belgium | 97.61 |
| 42 | San Marino | 97.12 |
| 43 | Malaysia | 92.35 |
| 44 | Slovakia | 91.97 |
| 45 | Slovenia | 87.60 |
| 46 | Estonia | 86.30 |
| 47 | United Kingdom | 82.84 |
| 48 | Russia | 79.65 |
| 49 | Saudi Arabia | 78.95 |
| 50 | Brazil | 74.32 |
| 51 | Italy | 73.65 |
| 52 | Austria | 72.15 |
| 53 | Trinidad and Tobago | 71.84 |
| 54 | Czech Republic | 69.50 |
| 55 | Serbia | 68.23 |
| 56 | Bulgaria | 67.46 |
| 57 | Belarus | 66.41 |
| 58 | Ukraine | 64.10 |
| 59 | Vietnam | 61.50 |
| 60 | Australia | 60.25 |
| 61 | Montenegro | 59.50 |
| 62 | Uruguay | 54.60 |
| 63 | HongKong | 53.27 |
| 64 | India | 52.25 |
| 65 | Kazakhstan | 51.30 |
| 66 | Jordan | 50.43 |
| 67 | Grenada | 49.93 |
| 68 | Cyprus | 49.30 |

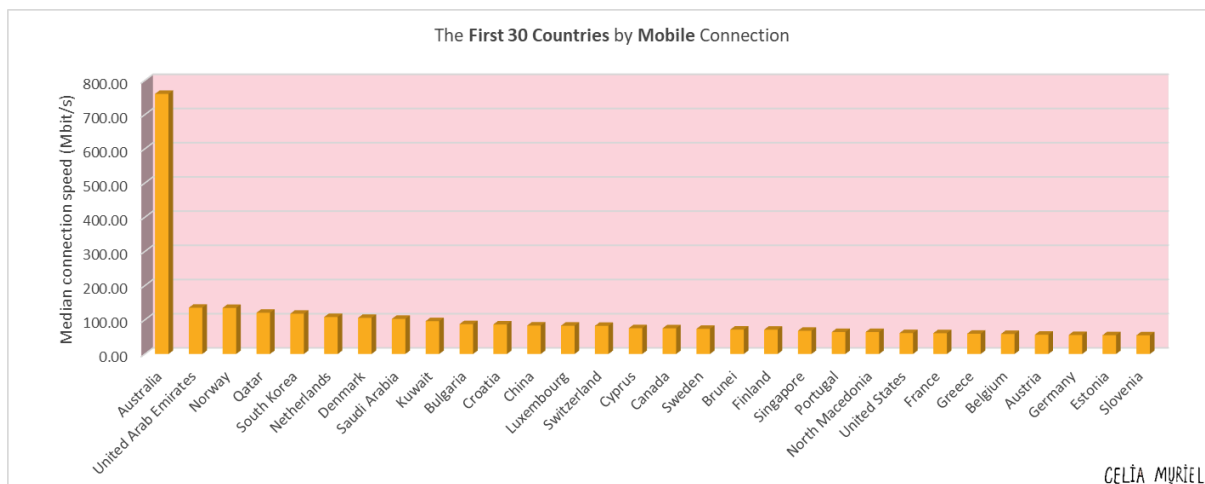


| Rank | Country/Territory | <u>Average fixed broadband download speed (Mbit/s)</u> <u>(SpeedTestNet.io, 2022)</u> |
|------|----------------------------------|--|
| 69 | Argentina | 48.34 |
| 70 | Kosovo | 46.62 |
| 71 | Peru | 46.28 |
| 72 | Oman | 45.98 |
| 73 | Croatia | 45.63 |
| 74 | Paraguay | 45.40 |
| 75 | Ghana | 44.76 |
| 76 | Kyrgyzstan | 44.01 |
| 77 | Costa Rica | 43.76 |
| 78 | Bosnia and Herzegovina | 43.50 |
| 79 | Bahamas | 43.01 |
| 80 | Mexico | 42.96 |
| 81 | Colombia | 42.56 |
| 82 | Mongolia | 41.82 |
| 83 | Saint Vincent and the Grenadines | 41.45 |
| 84 | Albania | 41.01 |
| 85 | Saint Lucia | 40.85 |
| 86 | Guyana | 40.60 |
| 87 | South Africa | 38.67 |
| 88 | Belize | 38.54 |
| 89 | Madagascar | 37.65 |
| 90 | Jamaica | 36.49 |
| 91 | Egypt | 33.94 |
| 92 | Dominica | 32.76 |
| 93 | Uzbekistan | 32.51 |
| 94 | North Macedonia | 32.25 |
| 95 | Bangladesh | 32.05 |
| 96 | Greece | 30.81 |

Mobile connection

The estimate of the mobile connection as of March 2022 comes from the Wikipedia article on [Internet connection speeds](#) (accessed on October 19th, 2022).





| Country/Territory | Median connection speed (Mbit/s) Ookla (March 2022) |
|----------------------|---|
| Australia | 760.52 |
| United Arab Emirates | 135.35 |
| Norway | 134.73 |
| Qatar | 120.69 |
| South Korea | 117.95 |
| Netherlands | 108.33 |
| Denmark | 105.65 |
| Saudi Arabia | 102.79 |
| Kuwait | 96.23 |
| Bulgaria | 87.51 |
| Croatia | 86.48 |
| China | 83.43 |
| Luxembourg | 82.85 |
| Switzerland | 82.29 |
| Cyprus | 75.48 |
| Canada | 75.18 |
| Sweden | 73.61 |
| Brunei | 71.38 |
| Finland | 71.23 |
| Singapore | 67.99 |
| Portugal | 64.30 |
| North Macedonia | 64.23 |
| United States | 61.12 |
| France | 60.94 |
| Greece | 59.42 |
| Belgium | 58.65 |
| Austria | 56.60 |
| Germany | 55.70 |



| Country/Territory | <u>Median connection speed (Mbit/s) Ookla (March 2022)</u> |
|-----------------------------|--|
| Estonia | 55.07 |
| Slovenia | 54.57 |
| Taiwan | 53.93 |
| Bahrain | 53.08 |
| Macau | 50.16 |
| Lithuania | 50.13 |
| Malta | 49.66 |
| New Zealand | 49.49 |
| United Kingdom | 48.10 |
| Maldives | 47.93 |
| Hong Kong | 47.34 |
| Serbia | 45.81 |
| Czech Republic | 44.55 |
| Oman | 44.47 |
| Japan | 44.05 |
| Montenegro | 41.93 |
| Latvia | 41.60 |
| Hungary | 41.32 |
| Suriname | 40.70 |
| Albania | 40.48 |
| Poland | 40.14 |
| Iraq | 39.90 |
| Italy | 37.15 |
| Romania | 36.90 |
| Uruguay | 34.43 |
| Togo | 34.42 |
| Spain | 34.26 |
| Vietnam | 33.90 |
| South Africa | 33.62 |
| Thailand | 33.49 |
| Slovakia | 33.44 |
| Jamaica | 30.84 |
| Georgia | 30.67 |
| Turkey | 30.48 |
| Azerbaijan | 30.40 |
| Ireland | 30.16 |
| Mexico | 29.81 |
| Moldova | 29.46 |
| Bosnia and Herze- govina | 28.49 |
| Trinidad and Tobago | 28.37 |



| Country/Territory | <u>Median connection speed (Mbit/s) Ookla (March 2022)</u> |
|--------------------|--|
| Israel | 28.01 |
| Morocco | 27.84 |
| Bahamas | 26.77 |
| Fiji | 25.99 |
| Malaysia | 25.87 |
| Iran | 24.90 |
| Kosovo | 24.63 |
| Botswana | 24.14 |
| Myanmar | 24.06 |
| Laos | 23.41 |
| Tunisia | 22.64 |
| Angola | 22.59 |
| Chile | 22.49 |
| Brazil | 22.30 |
| Armenia | 22.01 |
| Senegal | 21.44 |
| Ethiopia | 21.08 |
| El Salvador | 21.03 |
| Honduras | 20.73 |
| Dominican Republic | 20.70 |
| Argentina | 20.64 |
| Russia | 20.46 |
| Egypt | 19.73 |
| Philippines | 19.48 |
| Jordan | 19.47 |
| Nigeria | 18.92 |
| Kazakhstan | 18.71 |
| Namibia | 18.43 |
| Nicaragua | 18.30 |
| Mauritius | 18.09 |
| Malawi | 17.95 |
| Ecuador | 17.70 |
| Indonesia | 17.70 |
| Costa Rica | 17.46 |
| Guatemala | 17.30 |
| Panama | 17.03 |
| Kenya | 16.93 |
| Yemen | 16.89 |
| Pakistan | 16.73 |
| Mongolia | 16.69 |
| Nepal | 16.45 |



| Country/Territory | Median connection speed (Mbit/s) Ookla (March 2022) |
|-------------------|---|
| Lebanon | 16.38 |
| Kyrgyzstan | 16.30 |
| Cambodia | 16.12 |
| Uganda | 15.99 |
| Mozambique | 15.66 |
| Peru | 15.64 |
| Ukraine | 15.62 |
| Paraguay | 15.15 |
| Bolivia | 14.10 |
| Zimbabwe | 13.99 |
| India | 13.67 |
| Uzbekistan | 13.27 |
| Syria | 13.24 |
| Sri Lanka | 13.15 |
| Haiti | 12.49 |
| Algeria | 12.44 |
| Colombia | 12.35 |
| DR Congo | 12.08 |
| Cameroon | 11.88 |
| Bangladesh | 10.43 |
| Libya | 10.40 |
| Tanzania | 10.39 |
| Zambia | 10.36 |
| Belarus | 9.99 |
| Ivory Coast | 9.92 |
| Sudan | 9.50 |
| Cuba | 9.10 |
| Ghana | 8.44 |
| Somalia | 7.95 |
| Tajikistan | 7.05 |
| Venezuela | 5.68 |
| Afghanistan | 5.50 |
| Palestine | 4.89 |

Accurate information

Many countries and regions provide more accurate, regular and detailed analyses of their digitalisation status, such as the [European Union](#), as part of their ongoing efforts to enhance their infrastructure and legislate as per the citizens' Internet use and needs. Unfortunately, I could only find this information to compare countries worldwide at the time of writing this document.

