How does the U.S. rank ...globally!

A "Top 10" Summary - 2022









Where am I "coming" from?

[B.S. – Statistics M.B.A. – Marketing]



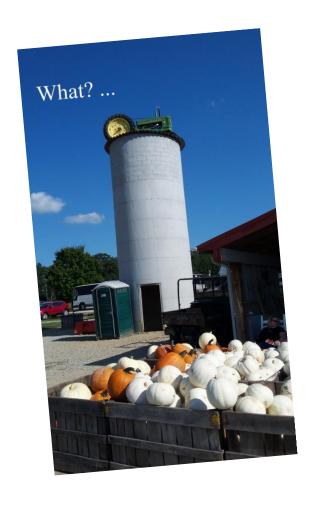


- ➤ Mgr. Systems Development Eastern Airlines
 - Product Manager Xerox Corp.
 - ➤ Dir. U.S. Market Research Xerox Corp.
- ➤ Dir. U.S. Client Relations NOP Research Ltd. (UK)
 - Sr. Client Executive Wirthlin Polling (DC)

Principal Consultant – Market Resource Associates



35 + years market consulting, research & public opinion polling [North America and E.U. Markets]



Our goal is to show you something you have never seen before!



Is that a "fact" ... or an "opinion"?

FACT

"Russia is the largest country in the world."
Russian land area includes more than 6.5 M. Square Miles

(Confirmed by land and aerial surveys)

OPINION

"Sydney, AU is the most walkable city in the world"

Reader survey conducted by Smarter Travel magazine.





Opinion vs. Fact - Survey Research

Always ask these questions ▼	
WHO	WHO is <i>asking</i> the questions! WHO is <i>answering</i> the questions!
WHAT	WHAT is the subject of the survey! WHAT format – phone, mail, FOCUS group, etc.
WHERE	WHERE geographically is the survey conducted? WHERE demographically is the survey conducted?
WHEN	WHEN is the survey started and finished? WHEN are the results reported?
HOW	HOW is the sample generated? HOW is the projection to a total population made?
WHY	WHY is the survey sponsor paying for the survey?





Did Elvis shake hands with Kim Jong-un?



Or did Elvis shake hands with Nixon?



Kim Jong-un was born in 1983; Elvis died in 1977!

The 1st picture is an easily done "deep fake"!

Can we always recognize a "deep fake"?

"Things" aren't always what they appear to be!

Topics we will consider:

1	"Warm-up" Top 10's
2	Economy
3	Environment
4	Energy
5	Education
6	Crime & Safety
7	Healthcare
8	Happiest Nations!
9	The Future?

1 "Warm-up" Top 10's





Largest Countries in the World by Area











Rank	Country	Area
		Sq. Mi.
1	Russia	6,599,291
2	Canada	3,854,082
3	United States	3,793,096
4	China	3,704,426
5	Brazil	3,286,742
6	Australia	2,988,110
7	India	1,268,883
8	Argentina	1,073,234
9	Kazakhstan	1,051,811
10	Algeria	919,352



Source: https://www.worldatlas.com



Best Countries to Visit - 2022





Rank	Country
1	Portugal
2	New Zealand
3	Japan
4	Morocco
5	Sri Lanka
6	Italy
7	Iceland
8	Greece
9	Croatia
10	Turkey







Top 10 Countries by Population – 2/12/22!

Rank		Country	Population
1	杉	China	1,447,763,765
2	•	India	1,400,860,692
3		United States	333,962,165
4		Indonesia	277,976,538
5	C	Pakistan	227,617,837
6		Brazil	214,869,135
7		Nigeria	214,242,102
8		Bangladesh	167,212,252
9		Russia	146,028,821
10	8	Mexico	131,017,980







Trust in the News – December, 2021

"Proportion that trusts most news most of the time"

A three year in-depth study by the Reuter Institute and Oxford University.





Rank	Country	%
1	Finland	65%
2	Portugal	61%
3	Kenya	61%
4	Denmark	59%
5	Brazil	59%
6	Nigeria	54%
7	Belgium	54%
8	Germany	53%
9	South Africa	52%
10	Switzerland	51%
46 of 46	United States	29%

The Association of News Media notes, "trust is the new currency for success"





SOURCE:https://reutersinstitute.politics.ox.ac.uk/digital-news-report/2021/dnr-executive-summary



COVID-19 CORONAVIRUS PANDEMIC

Last updated: Last updated: March 4, 2022, 16:35 GMT

#	Country	Cases	Deaths	% Deaths/ Case
	World	442,971,521	6,004,789	1.41%
1	United States	80,843,570	981,729	1.19%
2	India	42,951,556	514,620	1.19%
3	Brazil	28,906,214	650,646	2.32%
4	France	22,900,531	138,942	0.62%
5	United Kingdom	19,119,181	162,008	0.87%
6	Russia	16,775,024	354,787	2.36%
7	Germany	15,433,663	124,335	0.96%
8	Turkey	14,255,545	95,025	0.70%
9	Italy	12,948,859	155,609	1.25%
10	Spain	11,078,028	100,239	0.91%





SOURCE: HTTPs://.worldometers.info/coronavirus/?utm_campaign=homeAdvegas1?

The U.S. has 4% of the world's population, but nearly 20% of the world's Covid 19 cases!

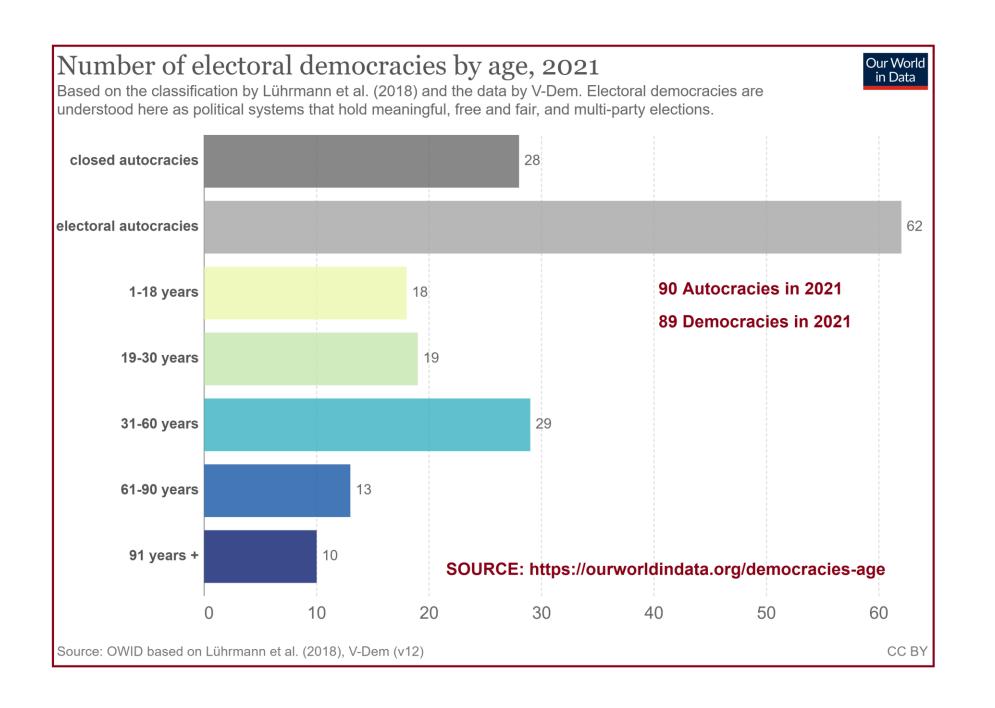


CATEGORY	DEATHS	% OF WORLD TOTAL
WORLD	6,004,789	100.0%
U. S. A.	981,729	16.4%

As of March 4, 2022:

CATEGORY	POPULATION	% OF WORLD TOTAL
WORLD	7,894,607,126	100.0%
U. S. A.	333,612,378	4.3%

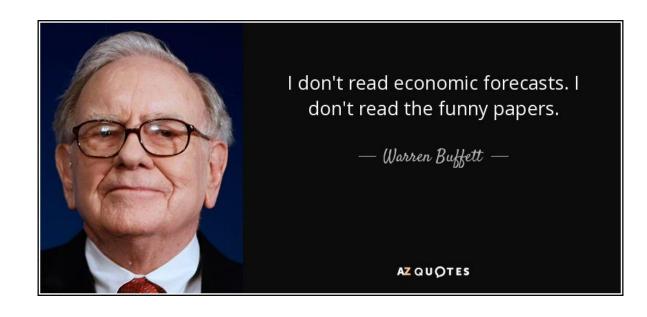
CATEGORY	CASES	% OF WORLD TOTAL
WORLD	442,971,521	100.0%
U. S. A.	80,843,570	19.2%



Topics we will consider:

1	"Warm-up" Top 10's
2	Economy
3	Environment
4	Energy
5	Education
6	Crime & Safety
7	Healthcare
8	Happiest Nations!
9	The Future?

2 Economy





GDP - 2021 Nominal vs. PPP



Rank	Country	GDP Tr. \$
1	United States	21.44
2	China	14.14
3	Japan	5.15
4	Germany	4.00
5	United Kingdom	2.83
6	India	2.94
7	France	2.71
8	Italy	1.99
9	Brazil	1.85
10	Canada	1.73

Rank	Country	GDP TR. \$
1	China	27.31
2	United States	21.44
3	India	10.51
4	Japan	5.75
5	Germany	4.44
6	United Kingdom	2.83
7	France	2.76
8	Italy	2.40
9	Brazil	2.40
10	Canada	1.83

Nominal GDP is useful for large-scope GDP comparison, either for a country or region or on an international scale. The nominal GDP of an area is determined using up-to-date market prices and shifts according to inflation. By incorporating an area's inflation rate in the GDP calculation, nominal GDP can indicate when prices rise in an economy. The rate of price increases in an economy is also factored into nominal GDP.

PPP GDP stands for purchasing power parity.

PPP is used to measure both the economic growth and living standards in a country, making it a useful tool in global comparisons. The PPP approach uses exchange rates to convert one country's currency into the other. Then, using a consistent amount of money, the quantity of goods and services that may be purchased in the countries is compared. PPP GDP stays relatively stable from year to year and isn't significantly impacted by shifts in the exchange rate.

SOURCE: https://worldpopulationreview.com/countries/countries-by-gdp

GLOBAL GDP 2 Gross domestic product (GDP) serves as a barometer for a country's economic health. It measures the total market value of final goods and services produced in a country during a given year Together, the U.S. and China account for 42% of global GDP. Here is GDP by country according to IMF estimates. **O INDONESIA** Japan India China France Italy United States \$22.941 **₩UK** The finance, insurance, and real Germany (e) Canada Only 18 countries have a greater than 1% share of the world economy. NISUALCAPITALIST.COM SOURCE: IMF (2021) *SEE FULL-SIZED GRAPHIC FOR DETAILED COL

Visualizing the \$94 Trillion World Economy in One Chart

The Visual Capitalist is an economic data aggregator, analytical and report generating firm located in Toronto, Canada

SOURCE: https://www.visualcapitalist.com/visualizing-the-94-trillion-world-economy-in-one-chart/

The Fastest Growing Economies in the World - 2021

Rank	Country	Region	2021 Real GDP Growth (Annual % Change)
1	Libya	Africa	123.2%
2	Guyana	South America	20.4%
3	Macao	Asia	20.4%
4	Maldives	Asia	18.9%
5	Ireland	Europe	13.0%
6	Aruba	Caribbean	12.8%
7	Panama	Central America	12.0%
8	Chile	South America	11.0%
9	Peru	South America	10.0%
10	Dominican Republic	Caribbean	9.5%





SOURCE: https://www.visualcapitalist.com/visualizing-the-94-trillion-world-economy-in-one-chart/

GDP FORECAST 2030 – LOWY INSTITUTE

GDP forecast at purchasing power parity, constant 2021 prices (2030)

Rank '30	Country	2021 Base	2030 Forecast	% Change
1	China	\$26.07 Tr.	\$42.74 Tr.	63.9%
2	U.S.A.	22.94	28.15	22.7%
3	India	10.18	18.01	76.9%
4	Japan	5.63	6.24	10.8%
5	Russia	4.45	5.29	18.9%
6	Indonesia	3.53	5.59	58.3%
7	South Korea	2.50	3.06	22.4%
8	Australia	1.42	1.81	27.5%
9	Thailand	1.33	1.82	36.8%
10	Vietnam	1.14	2.01	76.3%

Change > U.S.A.

The Lowy Institute is an Australian think tank with a global outlook. Our research interests are as broad as Australia's interests, and we host distinguished speakers from around the globe on foreign policy, defence, politics, aid and development, journalism, sport, science and the arts.

SOURCE: https://power.lowyinstitute.org/

GDP FORECAST 2030 *VISUAL CAPITALIST **

GDP forecast at purchasing power parity, constant 2021 prices

Rank '30	Country	2021 Base	2030 Forecast	% Change
1	China	\$26.1 Tr	\$64.2 Tr.	146%
2	India	10.1	46.3	358%
3	U.S.A.	22.9	31.0	35%
4	Indonesia	3.5	10.1	188%
5	Turkey	2.2	9.1	314%
6	Brazil	3.2	8.6	168%
7	Egypt	1.2	8.2	583%
8	Russia	4.4	7.9	80%
9	Japan	5.6	7.2	29%
10	Germany	4.2	6.9	64%

SOURCE:

https://www.visualcapitalist.com/worlds-largest-10-economies-2030/

* Canadian Global Economics Firm

How do they compare?

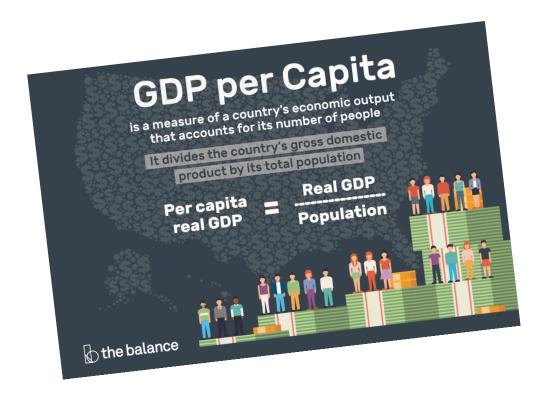
Country	Lowy Australia	Visual Canada
China	64%	146%
U.S.A.	23%	35%
India	77%	358%
Japan	11%	29%
Russia	19%	80%

"Economic forecasting is like driving a car blindfolded and getting instruction from a person looking out the rear window."

© Shane Oliver

GDP / Capita (2021)

Projection: International Monetary Fund



Rank	Country	GDP/	% Growth
		Capita	Growth
1	Luxembourg	\$131,302	5.5%
2	Ireland	\$102,394	13.0%
3	Switzerland	\$93,515	3.7%
4	Norway	\$82,244	3.1%
5	United States	\$69,375	6.0%
6	Iceland	\$68,844	3.7%
7	Denmark	\$67,920	3.8%
8	Singapore	\$66,263	6.0%
9	Australia	\$62,619	3.5%
10	Qatar	\$61,791	2.0%
	World Average:	\$12,284	5.8%

SOURCE: https://statisticstimes.com/economy/projected-world-gdp-capita

Organization for Economic Cooperation & Development

The OECD provides a forum in which governments can work together to share experiences and seek solutions to common problems. The focus is on sharing data to access what factors drive economic, social and environmental change.

OECD began in 1960, includes 37 nations, with an HQ in Paris and a staff of 2,500.

Australia	Austria	Belgium	Brazil
Canada	Chile	Czech Republic	Denmark
Estonia	France	Finland	Germany
Greece	Hungary	Iceland	Ireland
Israel	Italy	Japan	Latvia
Luxembourg	Netherlands	Norway	Poland
Portugal	Slovenia	Spain	South Korea
Sweden	Switzerland	Turkey	United Kingdom

United States

SOURCE: http://www.oecd.org/about/ NOTE: Data from non-member nations is collected for some studies



SOURCE: https://data.oecd.org/ earnwage/average-wages.htm

Average Wages – 36 OECD Countries

Rank	Country	2020	2019	Δ 20 - 19	% ∆
1	United States	\$69,392	\$66,383	\$3,009	4.53%
2	Luxembourg	\$65,854	\$66,840	\$986	1.48%
3	Switzerland	\$64,824	\$65,906	\$1,082	1.64%
4	Netherlands	\$58,828	\$57,475	\$1,353	2.35%
5	Denmark	\$58,430	\$57,967	\$463	0.79%
6	Norway	\$55,780	\$55,753	\$27	0.04%
7	Canada	\$55,342	\$54,119	\$1,223	2.25%
8	Australia	\$55,206	\$54,021	\$1,185	2.19%
9	Belgium	\$54,327	\$56,022	\$1,695	3.02%
10	Germany	\$53,745	\$54,041	\$296	0.05%
36/36	Mexico	\$16,230	\$16,771	\$541	3.22%

Average wages are obtained by dividing the national-accounts-based total wage bill by the average number of employees in the total economy, which is then multiplied by the ratio of the average usual weekly hours per full-time employee to the average usually weekly hours for all employees. This indicator is measured in USD constant prices using 2016 base year and Purchasing Power Parities (PPPs) for current year.

Minimum Wage / National Regulation 36 O.E.C.D. Democracies

Rank	Country Updated 10/21	Minimum Wage 2021 USD - PPP	Minimum Wage Hourly
1	Luxembourg	\$25,808	\$12.65
2	Netherlands	\$25,328	\$12.42
3	Australia	\$24,562	\$12.04
4	New Zealand	\$24,066	\$11.80
5	Germany	\$23,379	\$11.46
6	Belgium	\$22,897	\$11.22
7	France	\$22,113	\$10.84
8	South Korea	\$21,927	\$10.75
9	Canada	\$21,761	\$10.67
10	Ireland	\$21,083	\$10.35
25	U.S.A.	\$14,790	\$7.25





The 30 U.S. states with a minimum wage > \$7.25 \ Hour

State	A.	В.	AXB
	Min. Wage	Population	
		(m.)	
D. C.	\$15.00	0.714	10.710
Washington	\$12.00	7.796	93.552
Massachusetts	\$12.00	6.912	82.944
California	\$12.00	39.747	476.964
New York	\$11.10	19.491	216.350
Colorado	\$11.10	5.894	65.423
Maine	\$11.00	1.355	14.905
Arizona	\$11.00	7.520	82.720
Vermont	\$10.78	0.624	6.727
Oregon	\$10.75	4.289	46.107
Rhode Island	\$10.50	1.062	11.151
Maryland	\$10.10	6.065	61.257
Hawaii	\$10.10	1.406	14.201
Connecticut	\$10.10	3.553	35.885
Alaska	\$9.89	0.724	7.160

Minnesota	\$9.86	5.706	56.261
Michigan	\$9.25	9.992	92.426
Arkansas	\$9.25	3.034	28.065
South Dakota	\$9.10	0.897	8.163
Nebraska	\$9.00	1.952	17.568
New Jersey	\$8.85	8.875	78.544
West Virginia	\$8.75	1.768	15.470
Delaware	\$8.75	0.990	8.663
Missouri	\$8.60	6.169	53.053
Ohio	\$8.55	11.715	100.163
Montana	\$8.50	1.085	9.223
Florida	\$8.46	21.945	185.655
Nevada	\$8.25	3.186	26.285
Illinois	\$8.25	12.569	103.694
New Mexico	\$7.50	2.105	15.788

U.S. Population 30 States	Wage Wtd. By 30 State Population	"Average" Minimum Wage
	AXB	30 States
199.140	2,025.08	\$10.17 / Hour

The 21 states @ \$7.25 / hour or *less*



Wisconsin	\$7.25	5.853	42.434
Virginia	\$7.25	8.604	62.379
Utah	\$7.25	3.311	24.005
Texas	\$7.25	29.730	215.543
Pennsylvania	\$7.25	12.804	92.829
North Dakota	\$7.25	0.770	5.583
Oklahoma	\$7.25	3.990	28.928
North Carolina	\$7.25	10.701	77.582
Kentucky	\$7.25	4.481	32.487
Kansas	\$7.25	2.917	21.148
lowa	\$7.25	3.168	22.968
Indiana	\$7.25	6.806	49.344
Idaho	\$7.25	1.860	13.485
Tennessee	\$7.25	6.944	50.344
South Carolina	\$7.25	5.278	38.266
New Hampshire	\$7.25	1.372	9.947
Mississippi	\$7.25	2.966	21.504
Louisiana	\$7.25	4.627	33.546
Alabama	\$7.25	4.934	35.772
Wyoming	\$5.15	0.581	2.922
Georgia	\$5.15	10.830	55.775

U.S. Population 21 States	Wage Wtd. By 21 State Population	"Average" Minimum Wage
	AXB	21 States
123.53	895.59	\$7.25 / Hour



"Effective" Minimum U.S. Wage / Regulation

U.S. Population 50 States + DC (30 + 21) A X B (Population X Min. Wage) In the U.S.

322.67 2,896.71 \$9.05







Poverty Rate

Rank Worst - Best	Country 2020 or latest	%
1	South Africa	35.0%
2	Brazil	34.1%
3	Costa Rica	27.3%
4	Turkey	22.7%
5	Israel	22.2%
6	Chile	21.5%
7	Romania	21.0%
8	United States	21.0%
9	Bulgaria	20.9%
10	Spain	20.9%
1	Iceland	5.4%

The poverty rate is the ratio of the number of people whose income falls below the poverty line; taken as half the median household income of the total population

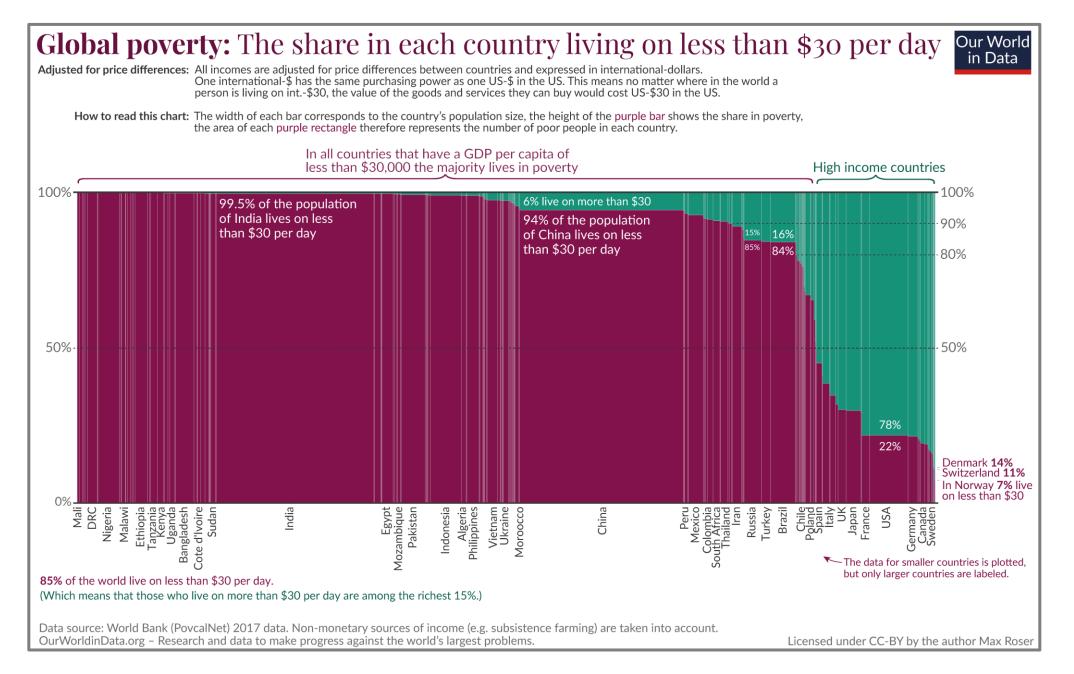
U.S. Median -2020 = \$67,521

50% (Poverty Level) = \$33,760

Median household income was \$67,521 in 2020, a decrease of 2.9 percent from the 2019 median of \$69,560 The first significant decline in median household income since 2011.

(U.S. Census Department)

SOURCE: https://data.oecd.org/inequality/poverty-rate.htm



Rank	Country	Single No Children	Rank	Country	Married / 2 Incomes 2 children
1	Belgium	53.7%	1	Belgium	46.2%
2	Germany	49.7%	2	Germany	42.7%
3	Italy	47.7%	3	France	42.2%
4	France	47.6%	4	Italy	41.5%
5	Austria	47.4%	5	Austria	40.0%
6	Hungary	47.2%	6	Sweden	39.3%
7	Czech Republic	43.4%	7	Greece	39.0%
8	Finland	42.9%	8	Finland	37.7%
9	Slovenia	42.9%	9	Hungary	37.0%
10	Sweden	42.9%	10	Latvia	36.4%
25	United States	31.7%	25	United States	26.5%
27	Canada	30.9%	28	Canada	24.3%
	O.E.C.D Avg.:	35.9%		O.E.C.D. Avg.:	30.7%

TAXES!



2018 Taxes - Paid 2019

Average Monthly Income

36 O.E.C.D. Nations

Income Taxes + VAT, if charged

Rank	Country	%
1	Finland	57%
2	Denmark	56%
3	Japan	56%
4	Austria	55%
5	Aruba	52%
6	Belgium	50%
7	Israel	50%
8	Netherlands	50%
9	Slovenia	50%
10	Ireland	48%
41	U.S.A.	37%
58	Canada	33%

- A value-added tax, or VAT, is added to a product at every point on the supply chain where value is added to it.
- Advocates of VATs claim that they raise government revenues without punishing the wealthy by charging them more through an income tax.
- Critics say that VATs place an undue economic burden on lower-income taxpayers.

"TheGlobalEconomy.com serves researchers, business people, academics, and investors who need reliable economic data on foreign countries.

We provide up-to-date numbers for GDP, inflation, credit, interest rates, employment, and 250 other indicators. The data series are updated continuously based on the release dates of individual countries."

Average Net Salary - After Tax 2021 Estimate (by Numbeo)

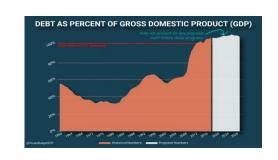
	Country	\$ / Month	\$ Annually
1.	Switzerland	\$6,302	\$75,625
2.	Luxembourg	4,184	50,208
3.	Singapore	4,044	48,428
4.	Australia	3,614	43,368
5.	United States	3,595	43,140
6.	Denmark	3,504	42,048
7.	Norway	3,331	39,972
8.	Iceland	3,142	37,704
9.	Qatar	3,102	37,224
10.	Hong Kong	3,074	36,888







Can we talk about the national debt?

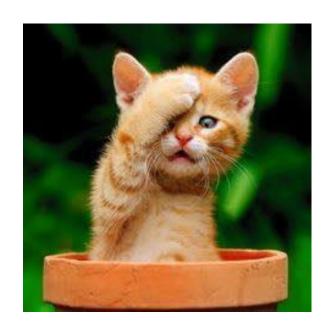


Rank (154)	Country	June 30, 2021 Debt in U.S. \$
1	United States	\$19.230 TR.
2	Japan	\$9.087 TR.
3	Italy	\$2.480 TR.
4	Spain	\$1.242 TR.
5	Canada	\$925.000 B.
6	Belgium	\$456.180 B.
7	Greece	\$379.000 B.
8	Portugal	\$264.000 B.
9	Singapore	\$254.000 B.
10	Bhutan	\$2.33 B.

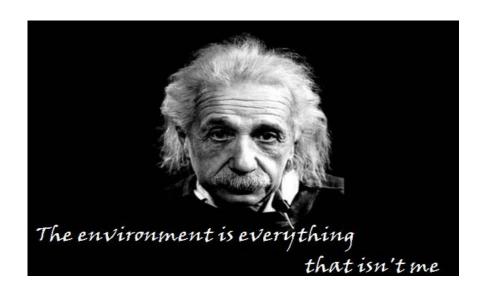
SOURCE:https://worldpopulationreview.com/countries/ countries-by-national-debt

Rank (154)	Country	Population	Debt to GDP Ratio
1	Japan	126,050,804	237.54%
2	Venezuela	28,704954	214.45%
3	Sudan	45,141,917	177.87%
4	Greece	10,370.744	174.15%
5	Lebanon	6,769,146	157.81%
6	Italy	60,367,477	133.43%
7	Eritrea	3,601,467	127.34%
8	Cape Verde	561,898	125.29%
9	Mozambique	32,163,047	124.46%
10	Portugal	10,167,925	119.46%
13	United States	332,915,073	106.70%
27	Canada	38,067,903	88.01%
150	Russia	145,912,025	13.79%

2 Economy – Your quick comments?



3 Environment



The 2020 Environmental Performance Index (EPI)

Rank	Country	Index
1	Denmark	82.5
2	Luxembourg	82.3
3	Switzerland	81.5
4	United Kingdom	81.3
5	France	80.0
6	Austria	79.6
7	Finland	78.9
8	Sweden	78.7
9	Norway	77.7
10	Germany	77.2
17	Iceland	72.3
21	Canada	71.0
26/180	United States	69.3

The Yale Environmental Performance Index measures 32 performance indicators across 11 categories related to two overarching policy objectives: ecosystem vitality and environmental health. These categories include air quality, water and sanitation, biodiversity and habitat, and sustainability.

180 countries are included.



SOURCE: https://epi.yale.edu/

The 2020 Environmentally "Friendly" Rank

Being environmentally friendly, also called eco-friendly, nature-friendly, or green, means that you are engaging in processes and practices that are sustainable and reduce or minimize harm upon ecosystems and the environment. The term also applies to goods and services, laws, guidelines, and policies that claim reduced, minimal or no damage upon the environment and ecosystems.

180 countries are included.



Rank	Country	Score
1	Switzerland	93.6
2	France	84.0
3	Denmark	81.6
4	Malta	80.9
5	Sweden	80.5
6	United Kingdom	79.9
7	Luxembourg	79.1
8	Austria	79.0
9	Ireland	78.8
10	Finland	78.6
25	Canada	72.2
27	United States	71.2
120/180	China	30.7

SOURCE: https://epi.yale.edu/

Air Pollution!

The 10 major causes for air pollution:







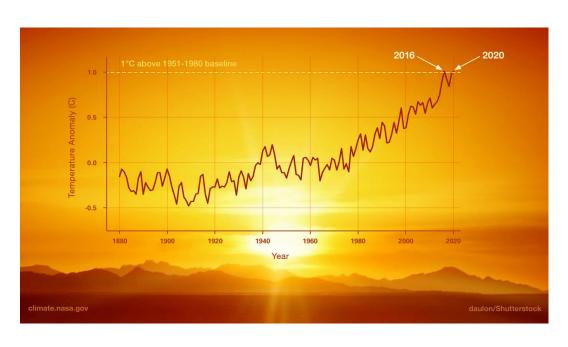
cli-mate change

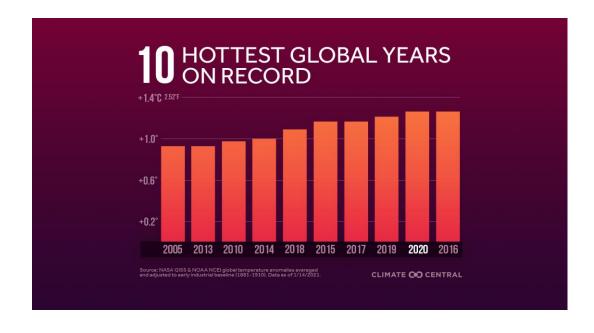
noun

1.a change in global or regional climate patterns, in particular a change apparent from the mid to late 20th century onwards and attributed largely to the increased levels of atmospheric carbon dioxide produced by the use of fossil fuels

Definition from Oxford Languages Dictionary

Global warming?





Countries currently most threatened by climate change

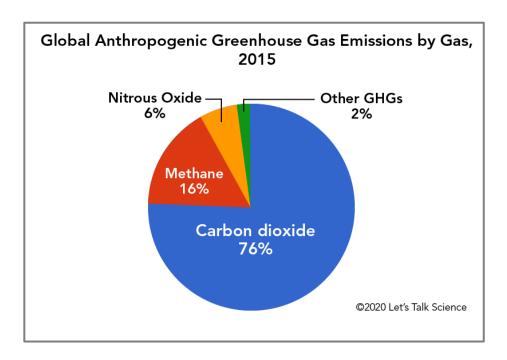
The *Germanwatch Institute* presented the results of the Global Climate Risk Index 2020 during COP25 in Madrid.

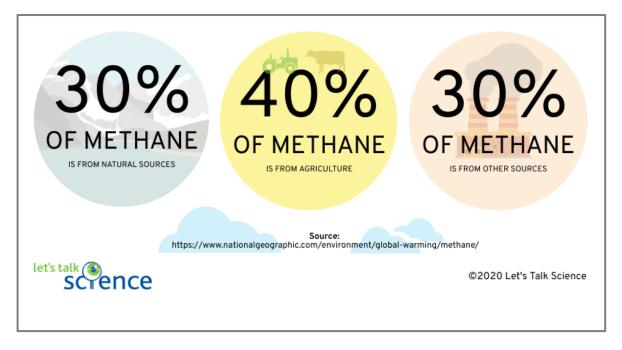


Rank	Country	Index
1	Japan	5.5
2	Philippines	11.7
3	Germany	13.8
4	Madagascar	15.3
5	India	18.2
6	Sri Lanka	19.0
7	Kenya	19.7
8	Ruanda	21.2
9	Canada	21.8
10	Fiji	22.5
12/180	United States	23.8



Methane and Cattle?

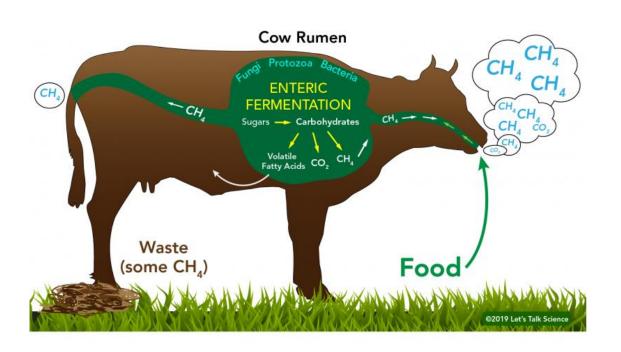






How do livestock produce methane? What to do about it!

Cows have stomachs with four distinct chambers, as do sheep, goats, and giraffes, et al.. The digestive process for grasses is complex, involves regurgitation and produces CH₄!



Cows release methane mainly through their belches (burps). The rest comes out as flatulence.

➤ Scientists are studying alternatives that produce less methane.

Corn feed variations produce less CH₄

Seaweed derivatives are proving positive

Genetic research is producing new breeds

The "Carbon Footprint"

A carbon footprint is the total greenhouse gas emissions (including carbon dioxide and methane) caused by an individual, community, event, organization, service, or product, expressed as a carbon dioxide equivalent.

Reducing the Carbon Footprint

- Using electricity from renewable energy sources
- Improving energy efficiency
- Promote biofuels in transportation
- Reduce CO2 emissions from vehicles
- •Recover gases from landfills and reduce fluorinated gases

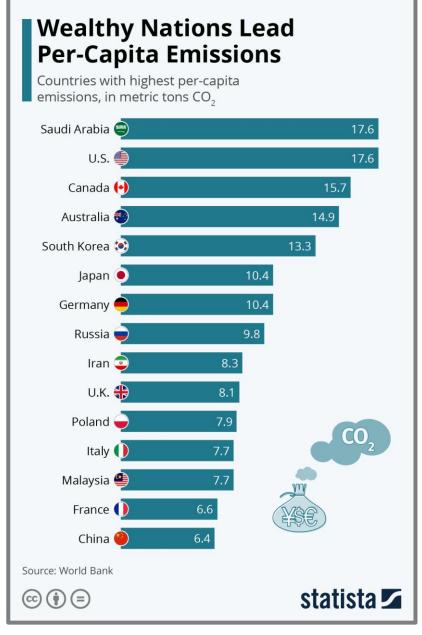




RANK	COUNTRY	TOTAL CO2 EMISSIONS
1	China	10.06GT
2	United States	5.41GT
3	India	2.65GT
4	Russian Federation	1.71GT
5	Japan	1.16 G T
6	Germany	0.75GT
7	Republic of Iran	0.72GT
8	South Korea	0.65GT
9	Saudi Arabia	0.62GT
10	Indonesia	0.61GT
11	Canada	0.56GT
12	Mexico	0.47GT
13	South Africa	0.46GT
14	Brazil	0.45GT
15	Turkey	0.42GT
16	Australia	0.42GT
17	United Kingdom	0.37GT
18	Poland	0.34GT
19	France	0.33GT
20	Italy	0.33GT

The 20 countries that emitted the most **◄** CO2 in 2020

Per Capita CO2
Emissions by
Country ▶



SOURCE: https://www.ucsusa.org/resources/each-countrys-share-co2-emiSSION

Global CO₂ Emissions from Transportation

45% Passenger cars ... 29% Freight ... 12% Aviation ... 11% Shipping

Cars Owned / 1000 Citizens

1	San Morino	1,263
2	<u>Monaco</u>	899
3	<u>Iceland</u>	866
4	New Zealand	837
5	<u>United States</u>	816
6	<u>Australia</u>	789
7	<u>Liechtenstein</u>	781
8	<u>Brunei</u>	721
9	<u>Canada</u>	685
10	Luxembourg	681
74/190	<u>China</u>	210



Total Passenger Cars Sold 2020

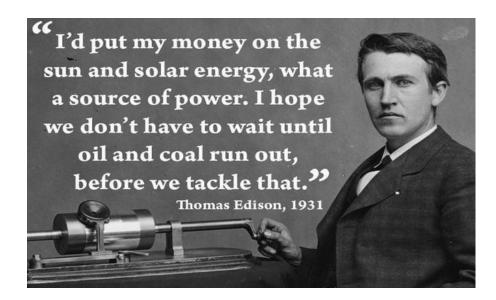
1	China	20,177,731
2	Japan	3,809,977
3	United States	3,401,838
4	Germany	2,917,678
5	India	2,433,464
6	France	1,650,126
7	United Kingdom	1,631,064
8	South Korea	1,618,333
9	Brazil	1,615,942
10	Russia	1,433,956

SOURCE: https://public.knoema.com/sgscrjb/world-motor-vehicle-sales-by-country-and-type

3 Environment – Your quick comments?

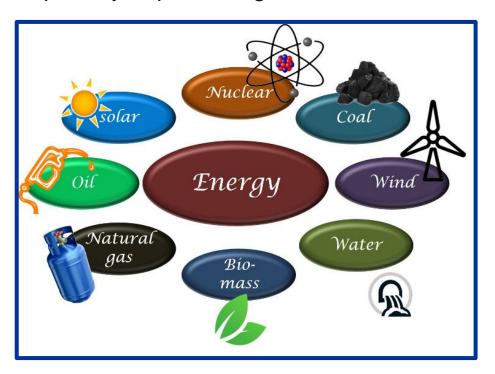


4 Energy



En-er-gy /'enərjē/

Noun power derived from the utilization of physical or chemical resources, especially to provide light and heat or to work machines



JOULE: A unit of electrical energy equal to the work done when a current of one ampere is passed through a resistance of one ohm for one second.

The *exajoule* (EJ) is equal to 10¹⁸ (one quintillion) joules.

Total Energy Consumption - 2020

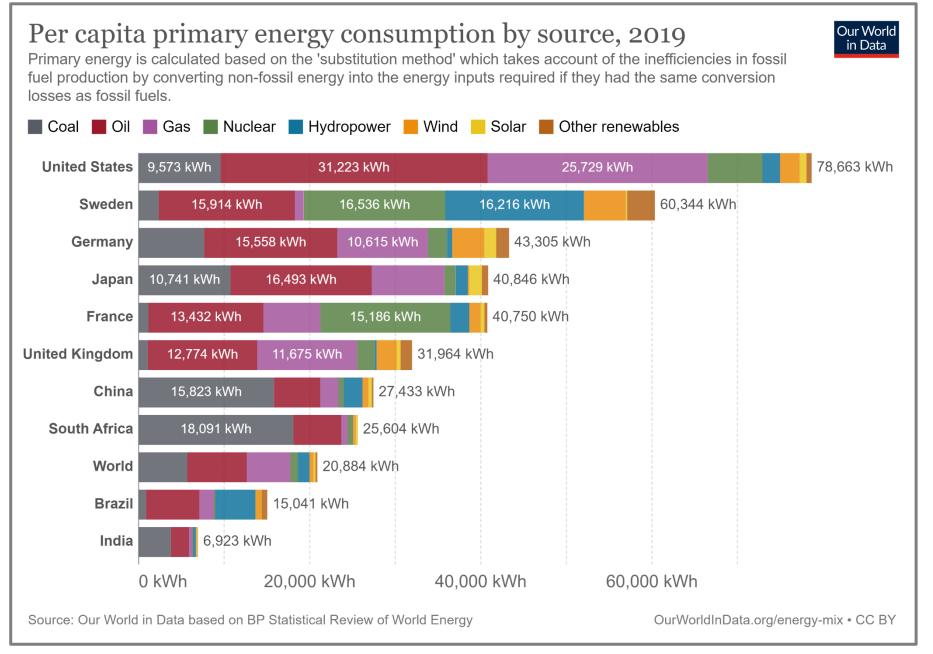




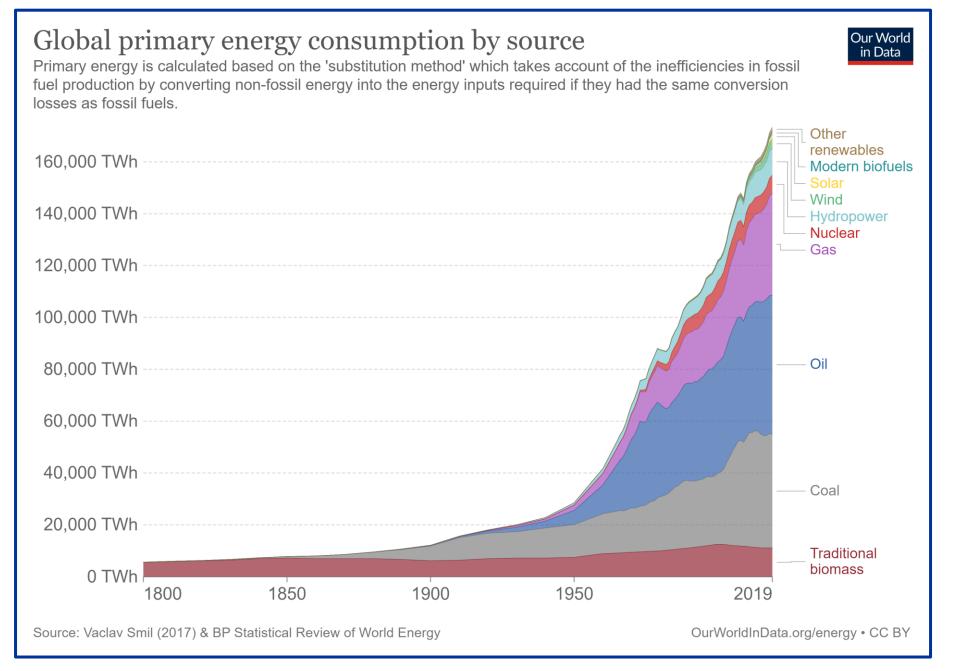
Rank	Country	<u>Exajoules</u>
1	China	145.46
2	United States	87.79
3	India	31.89
4	Russia	28.31
5	Japan	17.03
6	Canada	13.63
7	Germany	12.11
8	Iran	12.03
9	Brazil	12.01
10	South Korea	11.79







SOURCE: https://ourworldindata.org/grapher/per-capita-energy



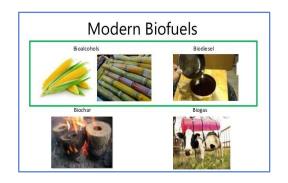
Ranking of Global Energy Sources - 2019





Rank	Source	Terawatt Hours *	% of Total
1	Oil	53,620	30.9%
2	Coal	43,849	25.4%
3	Natural Gas	39,292	22.7%
4	Bio Mass	11,111	6.4%
5	Hydro	10,455	6.0%
6	Nuclear	6,923	4.0%
7	Wind	3,540	2.0%
8	Solar	1,793	1.0%
9	Other Renewables	1,614	0.9%
10	Modern Bio Fuels	1,143	0.6%
	TOTAL:	173,340	100.0%





SOURCE: https://ourworldindata.org/energy-mix

^{*} A terawatt-hour is a unit of energy equal to outputting one trillion watts for one hour. It is equal to 3.6x10¹⁵ Joules

Energy consumption in the U.S. by Source

in quadrillion British thermal units (BTU's*)

Source	2020	2019	% in 2019
Oil	32.22	36.87	36.8 %
Natural Gas	31.54	32.20	32.2 %
Coal	9.18	11.32	11.3 %
Nuclear	8.25	8.45	8.4 %
Bio Mass	4.53	4.93	5.0 %
Wind	3.01	2.64	2.6 %
Hydro-electric	2.59	2.56	2.5 %
Solar	1.25	1.02	1.0 %
Geo-thermal	0.21	0.20	0.2 %
Totals:	92.79	100.19	100.0 %

2020

% in 2019 World-wide
30.9 %
22.7 %
25.4 %
4.0 %
6.4 %
2.0 %
6.0 %
1.0 %
[1.5 % ?]
100.0 %

Coal ∆?

^{*} BTU: the amount of heat required to raise the temperature of one <u>pound</u> of water by one degree <u>Fahrenheit</u>

Top 10 Countries in <u>installed</u> renewable energy capacity worldwide in 2020



Rank	Country	Gigawatts *
1	China	895
2	United States	292
3	Brazil	150
4	India	134
5	Germany	132
6	United Kingdom	120
7	Canada	101
8	Japan	101
9	Italy	55
10	France	55



SOURCE: https://www.statista.com/statistics/267233/renewable-energy-capacity-worldwide-by-country/

^{*} Gigawatt + a unit of electric power equal to one billion (109) watts.

Countries leading the transition to sustainable energy

The Energy Transition Index (ETI) ranks 115 countries on their energy performance, including the resilience and efficiency of generation and transmission, and progress to cleaner forms of energy.

"SP" = System Performance "TR" = Transition Readiness

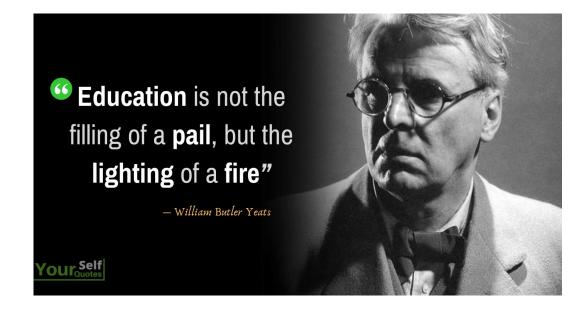
Rank Country	ETI S	core (2012 - 2021)	SP ¹	TR ²
8 New Ze 9 France	k and Kingdom	79 76 76 75 73 71 71	84.4 82.7 74.8 79.9 75.2 73.5 75.8 76.5 77.6	72.7 70.8 78.2 73.0 75.2 73.0 69.2 65.6 64.4
10 Iceland24 United S	tates	67	75.0	66.9 62.3

SOURCE: https://www.weforum.org/agenda/2021/04/these-countries-are-leading-the-transition-to-sustainable-energy/

4 Energy – Your quick comments?



5 Education



World Education Rankings – 2021 Results

- 1. South Korea
- 2. Japan
- 3. Denmark
- 4. Netherlands
- 5. Australia
- 6. Belgium
- 7. Germany
- 8. Slovenia
- 9. Finland
- 10. Ireland

- 11. France
- 12. Singapore
- 13. United States
- 14. Canada
- 15. Russia
- 16. Portugal
- 17. <u>China</u>
- 18. Hong Kong
- 19. <u>Sweden</u>
- 20. Israel

World Top 20 Project - Factors Evaluated

- Early Childhood Enrollment Rates for 3 to 4 year old
- Primary Completion for 6 to 11 year old
- Lower Secondary Completion for 11 to 14 year old
- High School Graduation Rates for 14 to 18 year old
- College Graduation Rates for 18 to 25 year old
- Primary Test Scores for 6 to 11 year old
- Lower Secondary Test Scores for 11 to 14 year old
- School Safety Levels for 3 to 25 year old
- Out of School Children Ages 3 to 14 year old
- Adult Illiteracy Levels for 15 year old and .
- Students to Teacher Ratio
- Free Access to Schools from Early Childhood to Secondary

"The World Top 20 Project is an international project aimed to serve and protect children around the world by ensuring they have access to quality education in a safe and nurturing environment."

The 2021 Best Countries for Education – 80 Countries

Rank	Country	GDP/Capita
1	United States	\$65,298
2	United Kingdom	42,330
S	Germany	46,445
4	Canada	46,195
5	France	40,494
6	Switzerland	81,994
7	Japan	40,247
8	Australia	55,060
9	Sweden	51,615
10	Netherlands	52,331
22	China	10,217

Global study done by Young & Rubicon's *BAV Group* (New York), a global brand measurement firm, in conjunction with the *Wharton School* (University of Pennsylvania)

Ranked based on a perception-based global survey, which used a compilation of scores from three equal weighted country attributes: A well-developed public education system; Would consider attending university there; and provides top quality education.

"2021 Countries with Best Education System in the World"

The 2021 Countries with the Best Education System are ranked based on a perception-based global survey, e.g., does it have a well-developed public education system, would I consider attending university there and does it provides top-quality education.

Rank	Country
1	United States
2	France
3	Estonia
4	Hungary
5	Portugal
6	Singapore
7	China
8	Germany
9	Belgium
10	Netherlands



SOURCE: https://www.currentschoolnews.com/education-news/best-educational-system-in-the-world/

The Most "Educated" Countries in the World

[At least one two-year college degree +]



Rank	Country	%
1	South Korea	69.8
2	Canada	63.0
3	Russia	62.1
4	Japan	61.5
5	Ireland	55.4
6	Lithuania	55.1
7	Luxembourg	55.0
8	Switzerland	52.7
9	Austria	52.5
10	United Kingdom	51.8
11	United States	50.4



Programme for International Student Assessment

What is PISA?

The Programme for International Student Assessment (PISA) is a triennial international survey which aims to evaluate education systems worldwide by testing the skills and knowledge of 15-year-old students who are nearing the end of their compulsory education. PISA assesses how well they can apply what they learn in school to real-life situations. Over 90 countries have participated in the assessment so far which began in 2000. Every three years students are tested in the key subjects: reading, mathematics and science.



Gray = O.E.C.D. Countries
Blue = Partner Countries

SOURCE: https://www.oecd.org/pisa/aboutpisa/

NOTE: The 2021 PISA Assessment Test was post-poned until 2022 due to COVID.

PISA – Combined READING Literacy Score

Rank	Country 2009	Score	Rank	Country 2015	Score	Rank	Country 2018	Score
1	Shanghai	556	1	Singapore	556	1	China (BSJZ)	555
2	S. Korea	539	2	Japan	538	2	Singapore	549
3	Finland	536	3	Estoria	534	3	Macao (China)	525
4	Hong Kong	533	4	Taipei (China)	532	4	Hong Kong	524
5	Singapore	536	5	Finland	531	5	Estonia	523
6	Canada	524	6	Macao (China)	529	6	Canada	520
7	New Zealand	521	7	Canada	528	7	Finland	520
8	Japan	520	8	Viet Nam	525	8	Ireland	518
9	Australia	515	9	Hong Kong	523	9	South Korea	514
10	Netherlands	508	10	China (Proc)	518	10	Poland	512
17/78	U. S. A.	500	27/90	U. S. A.	496	13/79	U.S.A.	505

SOURCE: https://www.oecd.org/pisa/publications/pisa-2018-results.htm

PISA – Combined MATHEMATICS Score

Rank	Country 2009	Score	Rank	Country 2015	Score	Rank	Country 2018	Score
1	Shanghai	600	1	Singapore	564	1	China (BSJZ)	591
2	Singapore	555	2	Hong Kong	548	2	Singapore	569
3	South Korea	546	3	Macao (China)	544	3	Macao (China)	558
4	Finland	541	4	Taipei (China)	542	4	Hong Kong	551
5	Liechtenstein	536	5	Japan	532	5	Taipai (China)	531
6	Japan	529	6	China (PRoC)	531	6	Japan	527
7	Sweden	536	7	South Korea	524	7	South Korea	526
8	Canada	527	8	Switzerland	521	8	Estonia	523
9	Netherlands	526	9	Estoria	520	9	Netherlands	519
10	Australia	524	10	Denmark	511	10	Poland	516
23/78	U. S. A.	487	28/90	U. S. A.	470	39/79	U.S.A.	478

PISA – Combined SCIENCE Score

Rank	Country 2009	Score	Rank	Country 2015	Score	Rank	Country 2018	Scol ⁸ e
1	Shanghai	575	1	Singapore	556	1	China (BSJZ)	590
2	Finland	554	2	Japan	538	2	Singapore	551
3	Hong Kong	549	3	Estonia	534	3	Macao (China)	544
4	Singapore	542	4	Taipei	532	4	Estonia	530
5	Japan	539	5	Finland	531	5	Japan	529
6	New Zealand	532	6	Macao	529	6	Finland	522
7	Canada	529	7	Canada	528	7	South Korea	519
8	Estonia	528	8	Viet Nam	525	8	Canada	518
9	Australia	527	9	Hong Kong	523	9	Hong Kong	517
10	Netherlands	522	10	China (PRoC)	518	10	Taipai (China)	516
24/78	U. S. A.	502	26/90	U. S. A.	496	18/79	U.S.A.	502

SOURCE: https://www.oecd.org/pisa/publications/pisa-2018-results.htm

U.S.A. PISA Trends – 2000 - 2018

Year	Reading	Math	Science
2000	504	493	499
2009	500	487	502
2015	496	470	496
2018	505	478	502
Rank 2018	13/79	39/79	18/79





Are these trends "sufficient"?

National Center on Education and the Economy 2121 K Street NW, Suite 700, Washington, DC 20037

"NCEE provides information about and analysis of the education systems in top-performing countries around the world. With the release of the **2018 PISA** results, NCEE has identified a new list of top-performing countries. We identify this group of countries by looking at achievement in all three tested subjects.

Our objective is to learn from countries and economies and adapt those lessons for use in the United States at the national, state or district levels."



SOURCE: https://ncee.org/top-performing-countries/

2022 Best Global Universities

These institutions from the U.S. and 90 other countries have been ranked based on 13 indicators that measure their academic research performance and their global and regional reputations.



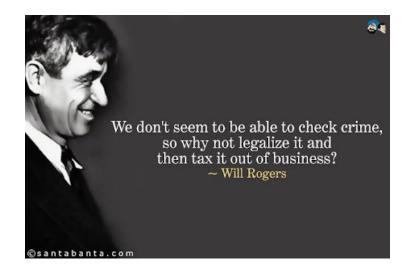
Rank	School	Country	Score
1	Harvard	United States	100.0
2	M. I. T.	United States	97.5
3	Stanford	United States	95.6
4	U. of C. Berkeley	United States	89.4
5	U. of Oxford	United Kingdom	87.1
6	Columbia	United States	86.7
7	U. of Washington	United States	86.5
8	U. of Cambridge	United Kingdom	86.1
9	Cal. Ins. of Tech.	United States	85.5
(9)	Johns Hopkins U.	United States	85.5



5 Education – Your quick comments?



6 Crime & Safety



Crime Rates by Country - 2021



"Crime rates vary greatly from country to country and are influenced by many factors.

For example, high poverty levels and unemployment tend to inflate a country's crime rate. Conversely, strict police enforcement and severe sentences tend to reduce crime rates. There is also a strong correlation between age and crime, with most crimes, especially violent crimes, being committed by those ages 20-30 years old."

SOURCE: https://worldpopulationreview.com/ country-rankings/ crime-rate-by-country

Rank	Country	Rate per 100,000 citizens
1	Venezuela	83.76
2	Papua New Guinea	80.79
3	South Africa	76.86
4	Afghanistan	76.31
5	Honduras	74.54
6	Trinidad & Tobago	71.63
7	Guyana	68.74
8	El Salvador	67.79
9	Brazil	67.49
10	Jamaica	67.42
39	Mexico	54.19
56	United States	47.81
82	Canada	41.89

Murder Rates By Country 2019-20

Rank	Country (or territory – of 203)	Rate per 100,000
1	El Salvador	61.8
2	Jamaica	57
3	Venezuela	56.33
4	US Virgin Islands	49.26
5	Honduras	41.7
6	Lesotho	41.25
7	Belize	37.9
8	Saint Vincent and the Grenadines	36.46
9	South Africa	35.9
10	Saint Kitts and Nevis	34.23
89	United States	5.3
151	Canada	1.8
173	Finland	1.2

Countries that do have a significant population of 5 million or more but an extremely low murder rate include:

 Hong Kong Switzerland Norway United Arab Emirates South Korea Czech Republic China Austria Italy Spain 	 Norway United Arab Emirates South Korea Czech Republic China Austria Italy 	0.50 0.50 0.51 0.60 0.60 0.67 0.67 0.67	
---	--	--	--

SOURCE: https://www.worldatlas.com/articles/murder-rates-by-country.html

Estimated Gun Statistics - 2019

Civilian Gun Ownership

Rank	Country	# Guns / 100 Citizens
1	United States	120.5
2	Falkland Islands	62.1
3	Yemen	52.8
4	New Caledonia	42.5
5	Serbia	39.1
6	Montenegro	39.0
7	Uruguay	34.7
8	Canada	34.6
9	Cyprus	34.0
10	Finland	32.4

An <u>ABC News article</u> about the survey pointed out that:

The U.S. has "less than 5% of the world's population, but 40% of the world's civilian-owned guns." *

* Surveys of registered gun ownership plus estimates of non-registered numbers.

Gun Deaths/ 100,000 Citizens

Rank	Country	# Gun Deaths/ 100,000 Citizens
1	Japan	0.06
2	Azerbaijan	0.07
3	South Korea	0.08
4	Romania	0.14
5	United Kingdom	0.23
6	Poland	0.26
7	India	0.29
8	Zimbabwe	0.39
9	Cuba	0.50
10	Netherlands	0.58
65/74	United States	12.21

SOURCE: https://worldpopulationreview.com/country-rankings/gun-ownership-by-country

The "Top 10" (those with the very *best* rates) have far less than *ONE* gun death / 100,000 population, including suicide.

By this same measure, the U.S. has more than 12 gun deaths / 100,000 population.

Bobbies in London, UK only began carrying a gun in the early 21st century.

2020 - Firearm Deaths - Estimated



Rank	Country	Firearm- related deaths / 100K	Homicide rate per year	Suicide rate per year	Total deaths number per year
1	<u>Honduras</u>	60	66.64	0.41	5,846
2	<u>Venezuela</u>	49.22	26.48	0.14	14,036
3	El Salvador	45.6	26.49	0.13	2,942
4	<u>Eswatini</u>	37.16	37.16	-	426
5	<u>Guatemala</u>	34.1	29.62	0.34	5,993
6	<u>Jamaica</u>	30.72	30.38	0.34	905
7	<u>Brazil</u>	21.9	20.7	0.5	46,215
8	<u>Colombia</u>	18.65	17.74	0.59	9,387
9	<u>Panama</u>	15.11	14.36	0.57	641
10	<u>United States</u>	12.21	4.46	7.32 *	40,175



^{*} NOTE: 60% of U.S. firearms deaths are suicides

Global Rates of Incarceration - 2020

Rank	Country	# in Prison
1	United States	2,068,800
2	China	1,690,000
3	Brazil	811,707
4	India	478,600
5	Russia	471,490
6	Thailand	309,282
7	Turkey	291,198
8	Indonesia	266,259
9	Mexico	229,866
10	Iran	189,000

Rank	Country	# in Prison / 100,000
1	United States	629 *
2	Rwanda	580
3	Turkmenistan	576
4	El Salvador	564
5	Cuba	510
6	Palau	478
7	B.V.I. (UK)	477
8	Thailand	445
9	Panama	423
10	Saint Kitts	423

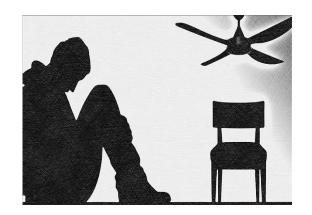


* 639 in 2018

Countries with the Highest Rates of Firearm-Related Suicide (per 100k) in 2019

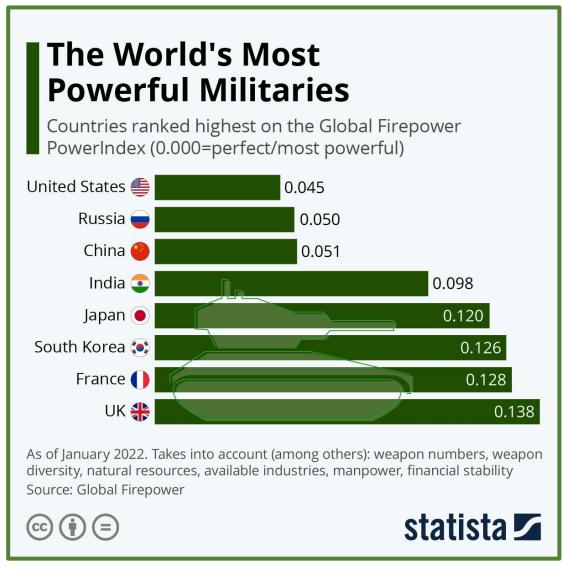


	eenland	(16.36)	
2. Un	itad States	·- · - ·	
	ited States	(7.12)	
3. Ur	uguay	(4.74)	
4. Sa	n Marino	(4.08)	
5. Mc	ntenegro	(3.40)	
6. Arg	gentina	(2.67)	
7. Fir	land	(2.66)	
8. Mc	naco	(2.64)	
9. Fra	ance	(2.64)	
10. Ve	nezuela	(2.50)	



The World's Most *Powerful* Militaries - 2022

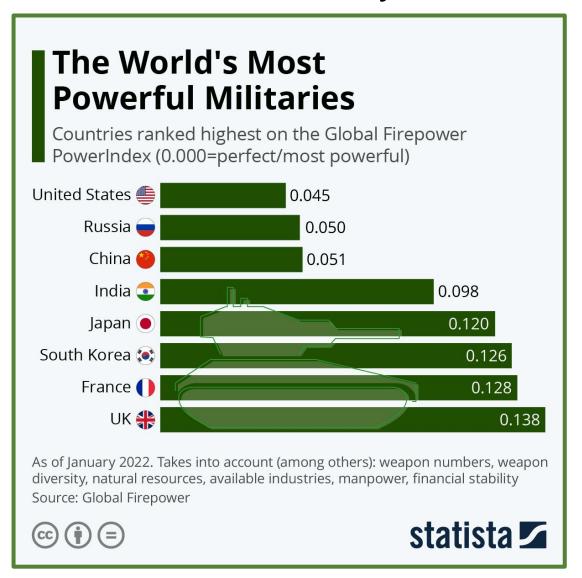
When it comes to manpower, no military in the world comes close to that of China. According to Global Firepower estimates, the People's Republic has around 2 million active military personnel. The United States in comparison, has significantly less - 1.4 million - but when assessing the overall power of the world's military forces, the U.S. comes out on top, ahead of Russia and China in second and third, respectively.

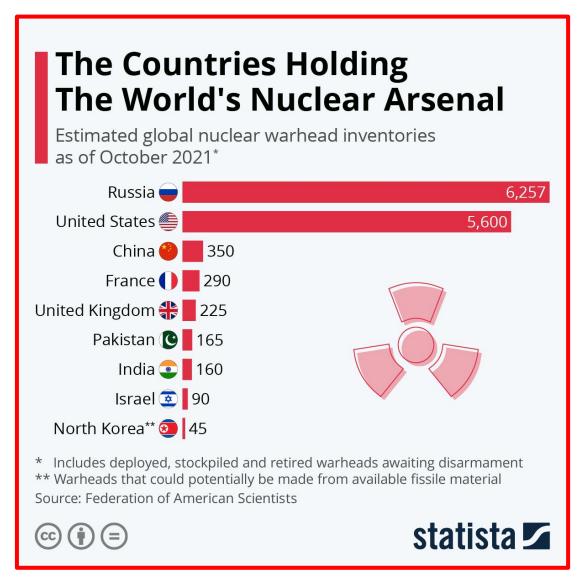


The index "utilizes over 50 individual factors to determine a given nation's PowerIndex score with categories ranging from military might and financials to logistical capability and geography."

While a rating of 0.000 would represent the perfect score, it is to be considered realistically unattainable.

Military Power - - - Nuclear Arsenal





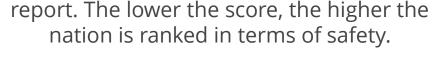
The Safest Countries in the World - 2021

- **Iceland**
- New Zealand
- <u>Portugal</u>
- Austria
- Denmark
- Slovenia
- <u>Singapore</u>
- Czech Republic
- lapan
- <u>Switzerland</u>
- Canada
- **United Kingdom**
- South Korea
- 85. <u>China</u>
- 117. United States
- 156. <u>Russia</u>
- 161. Iraq

"Safety" in terms of ...

- •Number of internal and external violent conflicts
 - •I evel of distrust
 - Political instability
 - Potential for terrorist acts
 - Number of homicides
- Military expenditures as a percentage of GDP

Based on these factors, a score is calculated for each of the 161 nations featured in the report. The lower the score, the higher the nation is ranked in terms of safety.



SOURCE: Global Peace Index

https://www.visionofhumanity.org/maps/#/



SAFEST PLACES TO TRAVEL 2022

Berkshire Hathaway Travel Protection Program



- 1. Iceland
- 2. New Zealand
- 3. Canada
- 4. Sweden
- 5. Japan
- 6. Australia
- 7. Switzerland
- 8. Ireland
- 9. Germany
- 10. United Kingdom



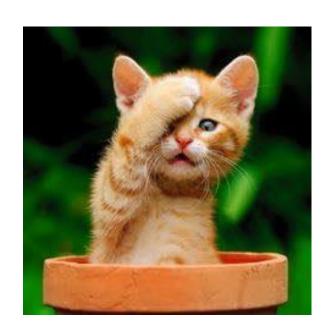
"This year when we surveyed travelers, we asked people where they've traveled in the last five years, and then only had people who had visited specific countries rate them on safety.

We then augmented those ratings with other indices and information, including the Global Peace
Index and the State Department's own travel safety ratings.

We also added in an index on COVID performance based on data from Our World in Data,"

SOURCE: https://www.bhtp.com/blog/safest-places-to-travel

6 Crime & Safety – Your quick comments?



7 Healthcare



Births / 1000 Population

Rank	Country - 2020	Births / 1000
1	Niger	47.51
2	Angola	42.69
3	Uganda	42.27
4	Mali	42.15
5	Benin	42.05
6	Chad	41.67
7	Congo Democratic Republic	42.03
8	Zambia	40.43
9	Malawi	40,12
10	South Sudan	38.78
95	Mexico	17.56
155	United States	12.38
166	China	11.62
227	Monaco	6.37

SOURCE: https://www.cia.gov/the-world-factbook/field/ birth-rate/country-comparison

Deaths / 1000 Population

Rank	Country - 2020	Deaths / 1000
1	Lesotho	15.39
2	Lithuania	14.99
3	Bulgaria	14.61
4	Latvia	14.60
5	Ukraine	14.03
6	Serbia	13.48
7	Russia	13.40
8	Belarus	13.05
9	Estonia	12.94
10	Hungary	12.90
46	United Kingdom	9.47
77	United States	8.31
83	China	8.23
227	Qatar	1.58

SOURCE: https://www.cia.gov/the-world-factbook/field/ death-rate/country-comparison

Marriages / 1000 Population

Rank	Country - 2019	Marriages / 1000
1	Palestine	10.0
2	Fiji	9.8
3	Egypt	9.6
4	Bahamas	9.5
5	Uzbekistan	9.5
6	Tajikistan	8.9
7	Albania	8.0
8	Mauritius	7.9
9	Kyrgyzstan	7.8
10	Sri Lanka	7.8
18	United States	6.9
41	Denmark	5.6
73	Mexico	4.0

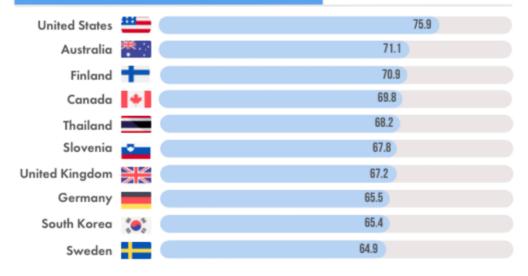
Divorces / 1000 Population

Rank	Country - 2019	Divorces / 1000
1	Maldives	5.5
2	Kazakhstan	4.6
3	Russia	3.9
4	Belarus	3.7
5	Belgium	3.7
6	Moldova	3.3
7	China	3.2
8	Cuba	2.9
9	Ukraine	2.9
10	Denmark	2.7
11	Latvia	2.7
12	Lithuania	2.7
13	United States	2.7

SOURCE: "Marriage and divorce - Rankings - The Economist - World in Figures". worldinfigures.com.

GLOBAL HEALTH SECURITY INDEX 2021

Top 10 Countries



Bottom 10 Countries

Venezuela		20.9
Niue	88	20.1
Tuvalu		20
Central African Republic		18.6
Nauru		18
Equatorial Guinea	1	17.4
Syria		16.7
Yemen		16.1
North Korea	0	16.1
Somalia	*	16

Source: Global Health Security Index Icons by: Flaticon



The GHX Index – 2021

The GHS Index examines 195 countries' global health security capacities in preventing, detecting, and responding to a health threat. It also assesses countries' health systems, commitments to address those gaps including financing, and their overall risks and vulnerability to biological threats.

STRUCTURE OF THE INDEX



SOURCE: https://www.ghsindex.org/

Country	2000	2019
Australia	7.6%	9.4%
Austria	9.2	10.4
Belgium	7.9	10.7
Canada	8.2	10.8
Chile	7.0	9.3
Czech Republic	5.7	7.8
Denmark	8.1	10.0
Estonia	5.2	6.7
Finland	6.8	9.2
France	9.6	11.1
Germany	9.8	11.7
Greece	7.2	7.8
Hungary	6.8	6.4
Iceland	9.0	8.6
Ireland	5.9	6.7
Israel	6.8	7.5
Italy	7.6	8.7
Japan	7.2	11.0

Country	2000	2019
Korea, South	4.0%	8.2%
Latvia	5.4	6.7
Lithuania	6.2	7.0
Luxembourg	5.9	5.4
Mexico	4.4	5.4
Netherlands	7.7	10.2
New Zealand	7.5	9.1
Norway	7.7	10.5
Poland	5.3	6.5
Portugal	8.4	9.5
Slovak Republic	5.3	7.0
Slovenia	7.8	8.5
Spain	6.8	9.1
Sweden	7.4	10.9
Switzerland	9.8	11.3
Turkey	4.6	4.3
U. K.	6.0	10.2
U. S. A.	12.5	16.9

Healthcare Costs as % of GDP

O.E.C.D. Average '00 = 7.2% '19 = 8.8%

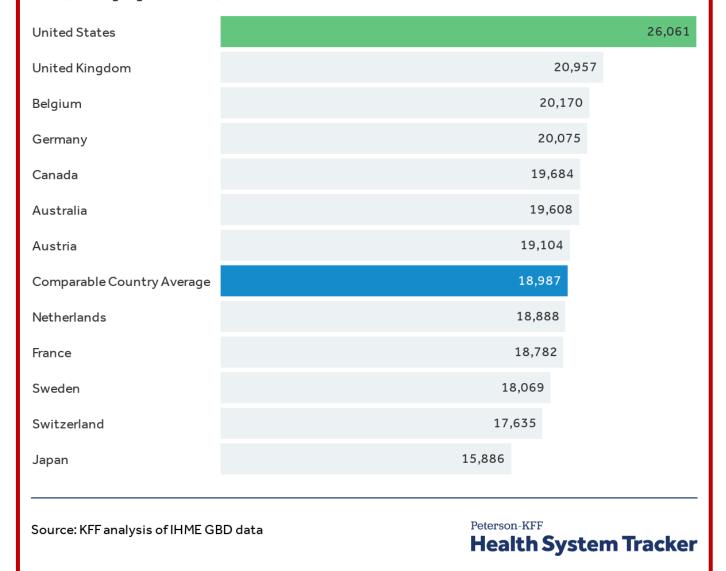
Highest 5 - 2019

Country	2019
U. S. A.	16.9%
Germany	11.7
Switzerland	11.3
France	11.1
Sweden	10.9

China -Republic of	5.0%
Russia	5.3

https://www.oecd.org/els/health-systems/health-expenditure.

Age-standardized disability adjusted life year (DALY) rate per 100,000 population, 2019



Number living with Disabilities

Peterson-KFF
Health System Tracker

SOURCE: https://www.healthsystemtracker.org/chartcollection/quality-u-s-healthcare-system-comparecountries/

Overall Measure: Healthcare Quality & Access

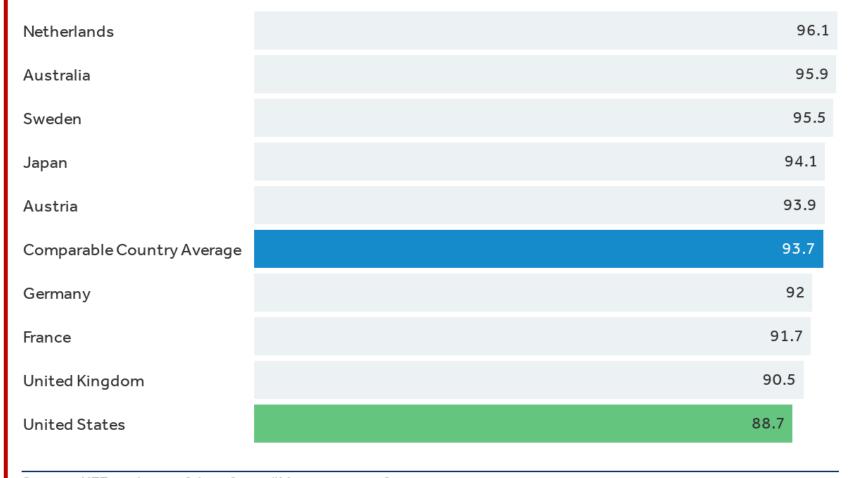
Peterson-KFF

Health System Tracker

SOURCE:

https://www.healthsystemtracker.org/c hart-collection/quality-u-s-healthcaresystem-compare-countries/





Source: KFF analysis of data from: "Measuring performance on the Healthcare Access and Quality Index for 195 countries and territories and selected subnational locations: a systematic analysis from the Global Burden of Disease Study 2016," The Lancet, 23 May 2018.

• Created with Datawrapper

Peterson-KFF
Health System Tracker

Suicide – 36 O.E.C.D. Countries

Death Rate /100,000

Rank	Country	Rate
1	Greece	3.31
2	Israel	5.45
3	Italy	5.55
4	United Kingdom	7.52
5	Turkey	8.61
6	Portugal	8.77
7	Germany	9.29
8	Denmark	9.45
9	Norway	9.45
10	Netherlands	9.58
25/36	United States	12.70



SOURCE: https://www.worldlifeexpectancy.com/cause-of-death/suicide/by-country/

U.S. Global Rank

136 / 183	12.70
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Obesity Rankings - 2018!

World-wide O.E.C.D.

Rank	Country	% Obese
	(Most to Least)	> Age 18
1	Palau	47.1%
2	Nauru	45.1%
3	Marshall Islands	42.3%
4	Samoa	41.5%
5	Tonga	41.1%
6	Qatar	41.0%
7	Kiribati	40.1%
8	Tuvalu	39.6%
9	Kuwait	38.3%
10	Bahamas	36.6%
12/188	United States	35.0%

Rank	Country (45)	% > Age 15
1	Japan	3.7%
2	India	5.0%
3	South Korea	5.3%
4	Indonesia	5.7%
5	China	7.0%
6	Italy	9.8%
7	Switzerland	10.3%
8	Sweden	12.3%
9	Netherlands	12.8%
10	Austria	14.7%
45/45	U. S. A.	38.2%
	O.E.C.D Average	19.5%

SOURCE: https://www.graphicmaps.com/ most-obese-countries-in-the-world

SOURCE: www.oecd.org/health/health-data.htm

So, What is considered obese?

World Health Organization Definition

Body Mass Index = (Weight (lbs.) X 703) / (Height-ins.)²

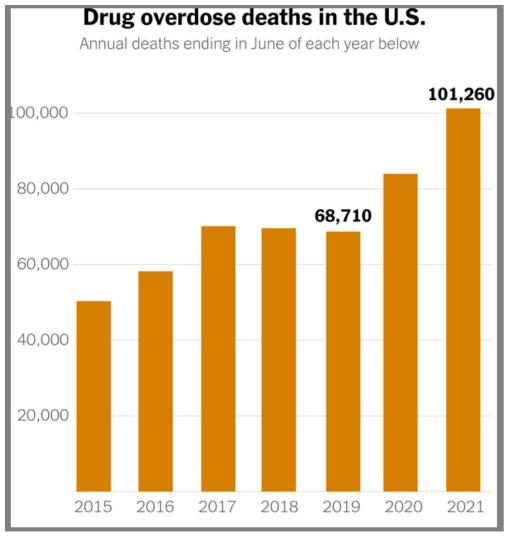


<u>BMI</u>	<u>Range</u>
< 18.5	Underweight
18.5 - 24.9	Healthy weight
25 - 29.9	Over-weight
30.0 +	Obese



SOURCE: http://apps.who.int/bmi/index.

Drug overdoses now kill <u>more than</u> <u>100,000 Americans</u> a year— more than vehicle crash and gun deaths combined.



Cancer Deaths ▶

SOURCE: https://www.cancer.gov/about-cancer

Year	Deaths (est.)
2016	595,690
2017	600,920
2018	604,640
2019	606,880
2020	606,520
2021	608,570

Heart Disease Deaths ▶

SOURCE https://www.cdc.gov/heartdisease/facts.

Year	Deaths (est.)
2016	635,260
2017	647,457
2018	655,381
2019	659,041
2020	690,882
2021	?

SOURCE: The New York Times nytdirect@nytimes.com
February 13, 2022

7 Healthcare – Your quick comments?



8 Prosperous & Happiest Nations!



The Legatum Institute

The Legatum Institute curates data and generates research that aims to create a global movement of people committed to creating the pathways from poverty to prosperity and the transformation of society.

The Legatum Institute is a London-based think-tank with a bold vision to build a global movement of people committed to creating the pathways from poverty to prosperity and the transformation of society.



11 Charles Street LondonW1J 5DW, United Kingdom T: +44 (0) 207 148 5400

SOURCE: https://li.com

The Legatum Prosperity IndexTM

The Legatum Prosperity Index™ is a framework that assesses countries on the promotion of their residents' flourishing, reflecting both **economic** and **social wellbeing**.

Categories ("PILLARS") Measured

CATEGORY	CATEGORY		
Safety & Security	Infrastructure – Market Access		
Personal Freedom	Economic Quality		
Governance	Living Conditions		
Social Capital	Health		
Investment Environment	Education		
Enterprise Conditions	Natural Environment		

300 different indicators from 70 different data sources are used to construct the Index!

SOURCE: https://www.prosperity.com/about/methodology

























The Legatum Prosperity Index – 2021!













Rank - '21	Rank – '20	Country	Score – '21
1	1	Denmark	83.86
2	2	Norway	83.50
3	5	Sweden	83.11
4	4	Finland	82.96
5	3	Switzerland	82.89
6	6	Netherlands	82.18
7	7	Luxembourg	81.10
8	8	New Zealand	80.93
9	9	Germany	80.57
10	10	Iceland	80.12
13	13	United Kingdom	79.60
15	14	Canada	78.99
20	20	United States	77.15
54	52	China	62.23













SOURCE: https://www.prosperity.com/about/methodology

The HAPPIEST countries in the world 2021

Rank	Country	Score	Population (Millions)
1	Finland	7.809	5.55
2	Denmark	7.646	5.82
3	Switzerland	7.560	8.72
4	Iceland	7.504	0.35
5	Norway	7.488	5.47
6	Netherlands	7.449	17.17
7	Sweden	7.353	10.16
8	New Zealand	7.300	4.86
9	Austria	7.290	9.04
10	Luxembourg	7.238	0.64
11	Canada	7.232	38.07
18	United States	6.940	333.51



Since 2002, the <u>World</u> Happiness Report has detailed the world's happiest countries based on several factors. As of 2020, the <u>World Happiness Report</u> determined that <u>Finland</u> is the happiest country in the world out of 153 surveyed.

The report looks at countries with respect to their performance of six particular variables:

•Gross domestic product per capita
•Social support
•Healthy life expectancy
•Freedom to make your own life choices
•Generosity of the general population
•Perceptions of internal and external corruption levels

Overall *Best* Countries 2021 Rankings



Sponsored by:



Annual global study done by Young & Rubicon's *BAV Group* (New York), a global brand measurement firm, in conjunction with the *Wharton School* (University of Pennsylvania)

A set of 76 country attributes – terms that can be used to describe a country and that are also relevant to the success of a modern nation – were identified. Attributes by nation were presented in a survey of more than 17,000 people from across the globe. Participants assessed how closely they associated an attribute with a nation.

Each country was <u>scored on each of the 76 country attributes</u> based on a collection of individual survey responses. The <u>more a country was perceived to exemplify a certain characteristic</u> in relation to the average, the higher that country's attribute score and vice versa. These scores were normalized to account for outliers and transformed into a scale that could be compared across the board.

SOURCE: https://www.usnews.com/news/best-countries/articles/methodology

8 Prosperous & Happiest Nations! – Your quick comments?



9 The Future?





The pace of technological change!



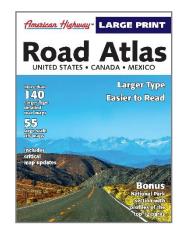
Some of the *things* we *used* to need!

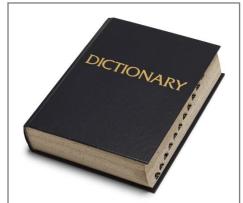




































Today, all we *need* is this ONE *tool*:



The world's Top 10 Technology Companies - 2022





















So what *might* be coming next?

More than half of U.S. car sales will be EVs by 2030!*



^{*} KPMG Survey of Auto Executives – November, 2021

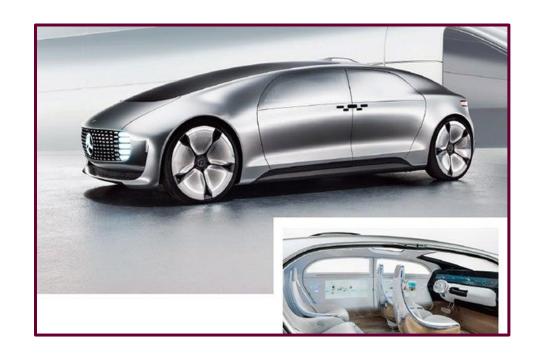
Virtual Doctor's Visits





Driverless vehicles?





Flying cars?







From a small, entrepreneurial venture!

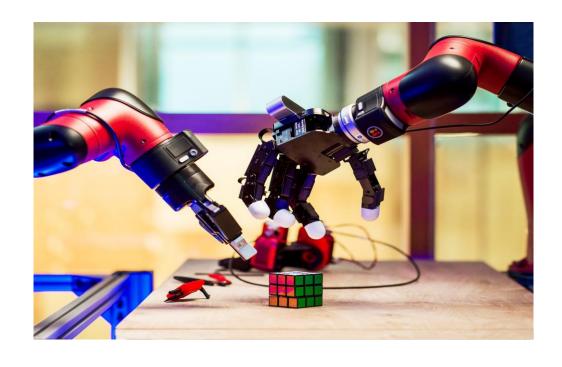
Virtual Reality and Augmented Reality





A/I & Robotics – Next Generation





Artificial Vision Systems





Airbus Makes Successful Test Run of Pilotless Plane AIRLINES & AIRPORTS JULY 28, 2020



Pilotless planes are on the way!

The Economist June 1, 2019

Fully-automated, pilotless planes are in the pipeline!

The Camberra Times June 3, 2021

"A pilotless airliner is going to come; it's just a question of when!"

James Albaugh – in 2011 when he was president and CEO of Boeing,

I look to the future because
that's where I'm going to
spend the rest of my life.
-George Burns
Cool Fivey Quotes.com

Ok! Anybody want to try this?



Questions, comments, critiques or ?

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