

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

مُحَمَّدٌ رَسُولُ اللَّهِ وَالَّذِينَ مَعَهُ أَشِدَّاءُ عَلَى الْكُفَّارِ رُحَمَاءُ بَيْنَهُمْ تَرَاهُمْ رُكَّعًا سُجَّدًا يَبْتَغُونَ
فَضْلًا مِنَ اللَّهِ وَرِضْوَانًا سِيمَاهُمْ فِي وُجُوهِهِمْ مِنْ أَثَرِ السُّجُودِ ذَلِكَ مَثَلُهُمْ فِي التَّوْرَةِ وَمَثَلُهُمْ فِي
الْإِنْجِيلِ كَزَرْعٍ أَخْرَجَ شَطْأَهُ فَآزَرَهُ فَاسْتَغْلَظَ فَاسْتَوَى عَلَى سُوقِهِ يُعْجِبُ الزُّرَّاعَ لِيغِيظَ بِهِمُ الْكُفَّارَ
وَعَدَ اللَّهُ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ مِنْهُمْ مَغْفِرَةً وَأَجْرًا عَظِيمًا ﴿٢٩﴾

In the Name of Allah, the Beneficent, the Merciful

Muhammad is the Messenger of Allah; and those with him are forceful against” the disbelievers, merciful among themselves. You see them bowing and prostrating [in prayer], seeking bounty from Allah and [His] pleasure. Their mark is on their faces from the trace of prostration. That is their description in the Torah. And their description in the Gospel is as a plant which produces its offshoots and strengthens them so they grow firm and stand upon their stalks, delighting the sowers - so that Allah may enrage by them the disbelievers. Allah has promised those who believe “.and do righteous deeds among them forgiveness and a great reward

(Quran 48:29)

**Dedicated to the Memory of Anonymous Martyrs of
Liwa Fatemiyoun Holy Shrine Defenders**

IRAN20

Trend Study of the 40th Anniversary of the Islamic Republic of Iran (2) | The Best Ranks of Iran in International Statistics

Reza Ghayoumipour And et al

Imam Hussein^(AS) Comprehensive University
Institute of Printing and Publishing





In the Name of Allah, the Beneficent, the Merciful

The 40th Anniversary of the Islamic Revolution in Iran should be considered as the peak of making an Islamic government through the great Revolution of Imam Khomeini (Allah's Mercy be upon him). The leadership of the Islamic Republic in the era of the fall of Western dependent states in the region, and the deadlock and passivity of Western governments in the administration of their nations, leads to repeated changes in their governments. International rankings based on assessment regimes designed on Western development patterns and schools of thought have been widely relied on in Iranian media to assess the movement of the Islamic Republic. While using these statistics, regardless of their basics, methods of extracting results, entities responsible for them and the applications of these statistics, is not a scientific and wise choice. However, when these statistics are used as the confessions of enemies and foreigners, they can play the role of a trivial witness to the Islamic Republic's material and spiritual successes and achievements. We call it spiritual success, because many countries, even with the help of the US and the West, have not been able to grow at this rate although they have not experienced war, sanctions and other internal and external problems.

Therefore we must be sure that steady and inspiring development of Iran over the past thirty years under the leadership of Ayatullah Imam Khamenei is a blessing of the martyrs' blood and their families sacrifice as well as the hard-working spirits in all those have diligently served this country and the scholars and the unique resistance of Iranian people.



The present research is the second step by a group of students and professors of Imam Hossein (PBUH) University to record, evaluate and narrate the progresses of the Islamic Republic. In the first step, an analytical review of the international development monitoring institutes and organizations in different countries was conducted, and in the second step, which its results are presented here, the statistics in which Iran is ranked among the top 20 countries in the world were gathered.

Regarding the present research, a few points worth mentioning:

1. At the beginning, the researchers of this project did not predict that in gathering the achievements of the Islamic Republic from the sources of enemies and those institutions against the Islamic Republic, they would face a large volume of content, so they would have to bring a lot of this content in a concise and shortened form.
2. The Islamic-Iranian Pattern of Development seems to have proven efficient, stable and successful in many areas before researchers of economics, politics, and society categorize it through their analyses; also it seems that Iran has achieved the goals set out in Iran 2025 Vision Document in several areas of science, technology and economics.

In the end, it should be noted that the presentation and distribution of the forthcoming materials in a widely manner is allowed for those who care about the Islamic Revolution and every just person who is indebted to the progress of Iranian nation.

The Best Ranks of Iran
in International Statistics
i n t h e a r e a o f

CAPACITIES



IRAN:

- It is the **fifth** richest country in the world in the volume of **natural resources**¹.
(Oil, gas, coal, jungles and wood, gold, silver, copper, uranium, pig iron, phosphate, etc.)
- It has one percent of the world's population while **more than seven percent of the world's mineral resources**².
- It is the **fourth** richest country in the world in the volume of **fossil fuel reserves**³.



References: 1.Wall Street Journal | 2.Financial Tribune | 3. The World Bank



IRAN:

- It has the **fourth** rank in **oil reserves** and the **second** rank in natural **gas reserves**¹.
- It is the **tenth** richest country in the world in the volume of **iron ore reserves**².



References: 1.The CIA World Factbook | 2.The United States Geological Survey



IRAN:

It is the **twentieth** richest country in the world
in the volume of **gold and foreign currencies reserves**.



References: The CIA World Factbook

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IRAN:

It has more than 30 million **labor forces** and is the **twenty second** country of the world in this regard.



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References: The CIA World Factbook | 2018



IRAN:

It is the **eighteenth most-populous** country of the world.

| Population Range | Number of Countries |
|----------------------------------|---------------------|
| million 120 More than | 11 |
| million 120 to 80 Between | 8 |
| million 80 to 40 Between | 16 |
| million 40 to 20 Between | 24 |
| million 20 Less than | 175 |

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References: Worldometers | 2018



IRAN:

- It is the **seventh** country of the world considering the **water areas**¹.
- It is the **thirteenth** country of the world in **biodiversity**².
- It is the **eighteenth** country of the world considering the **land area**³.



References: 1.The CIA World Factbook | 2.Nation Master | 3. The World Bank

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EDUCATION



IRAN:

It is the **ninth** country in the world considering the number of published books annually.



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References: The United Nations | 2010



IRAN:

It is the **tenth** country in the world considering **the budget of education** as a percentage of the government total budget.



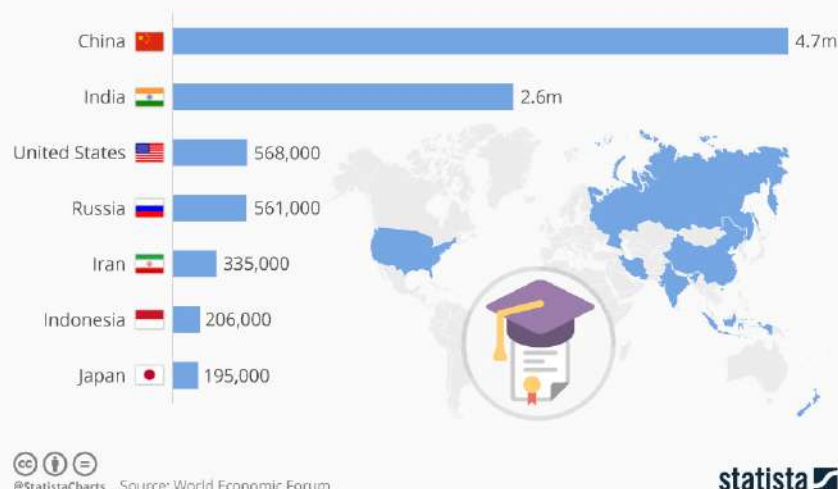
References: The World Bank| 2013



The **STEM** Graduates

The Countries With The Most STEM Graduates

Recent graduates in Science, Technology, Engineering & Mathematics (2016)



- Iran ranks **fifth** in the world considering the number of graduates in four fields of **Science, Technology, Engineering, Mathematics (STEM)**
- **STEM** is commonly used when addressing educational policies and choosing school curricula to improve competition in the development of science and technology.



References: Statistica Source quoted from the World Economic Forum| 2016

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IRAN, the First Rank in the World in Literacy Development

- From 1976 to 2014, Iran had the **first** rank of **literacy development** among adults over 15 years old in the world.
- The percentage of the Iranian literate population over 15 years old was %37 in 1979 and it became %85 in 2014 which means the growth rate was almost **3 times more than the global growth rate**.



References: The World Bank | 2014

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HEALTH

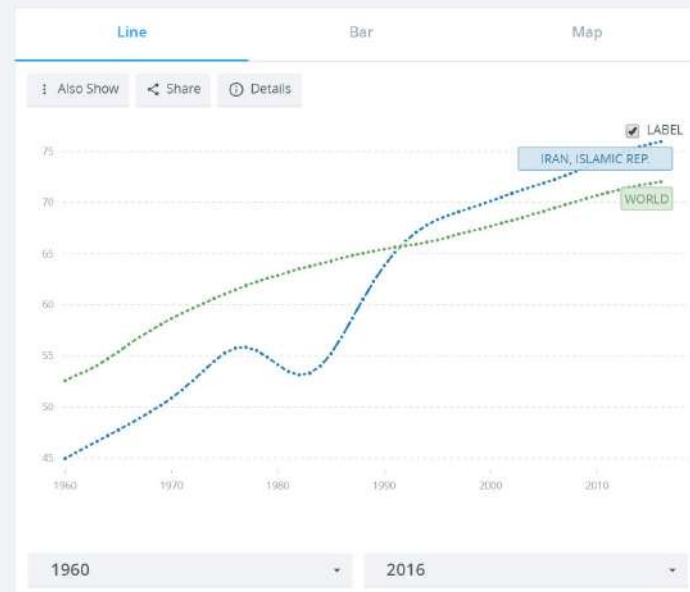


Life Expectancy at Birth

Life expectancy at birth, total (years)

(1) United Nations Population Division. World Population Prospects: 2017 Revision, or derived from male and female life expectancy at birth from sources such as: (2) Census reports and other statistical publications from national statistical offices, (3) Eurostat: Demographic Statistics, (4) United Nations Statistical Division. Population and Vital Statistics Reprot (various years), (5) U.S. Census Bureau: International Database, and (6) Secretariat of the Pacific Community: Statistics and Demography Programme.

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- Life expectancy at birth in Iran in 1979: 55 Years
- Life expectancy at birth in Iran in 2016: **76 Years**
- **Iran ranks tenth** in the **lifeexpectancy growth** from 1979 to 2016.

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References: The World Bank| 2016





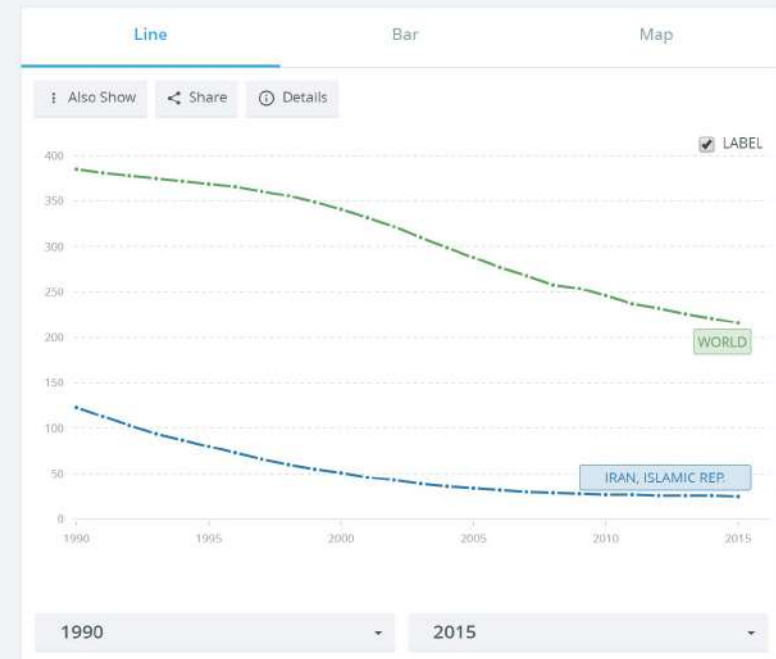
Life Expectancy at Birth

- Number of deaths in 1990: 2,016 infants
- Number of deaths in 2015: 25 infants
- **Iran** ranks **eleven** in the **infant mortality rate** from 1990 to 2015.

Maternal mortality ratio (modeled estimate, per 100,000 live births)

WHO, UNICEF, UNFPA, World Bank Group, and the United Nations Population Division. Trends in Maternal Mortality: 1990 to 2015. Geneva, World Health Organization, 2015.

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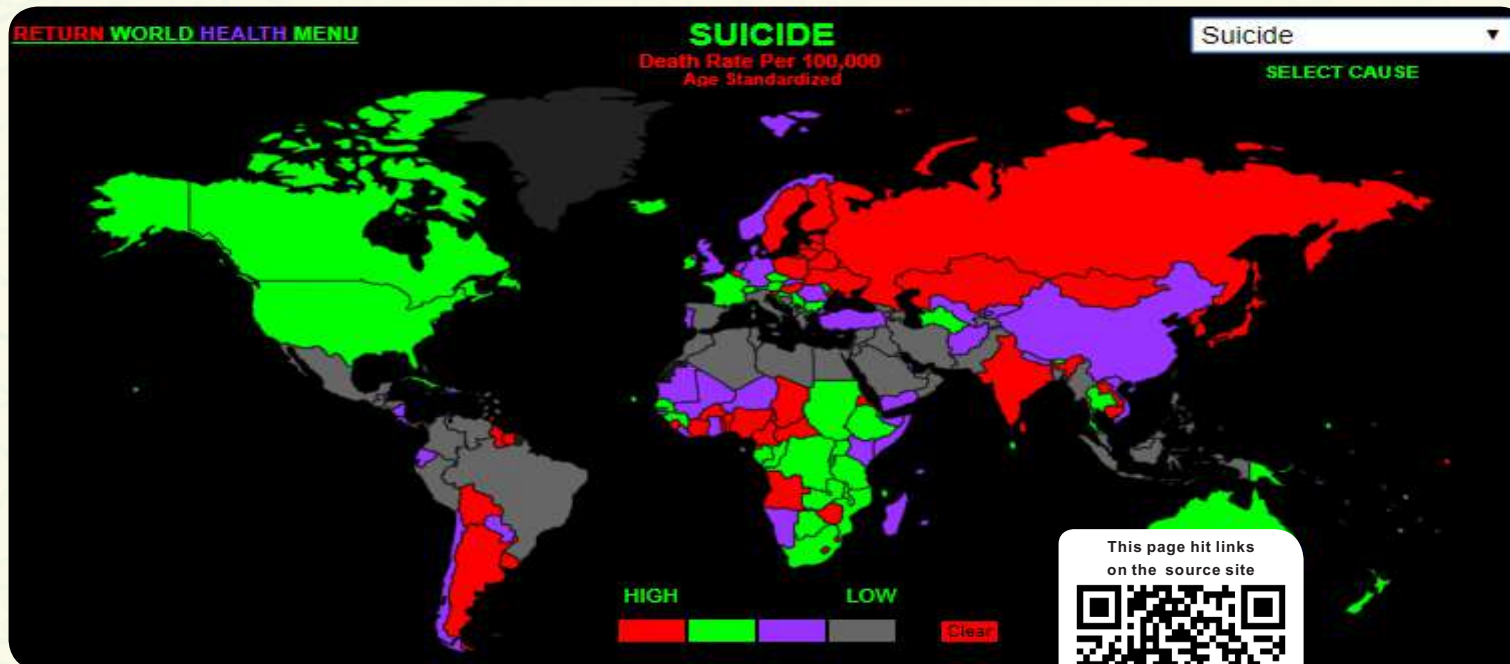


References: The World Bank | 2016



Suicide:

- Ranks 164 among 183 countries
- Among 20 countries with the lowest suicide rate
- Among 10 countries with the lowest suicide rate (male)
- (The Europe has the highest suicide rate)

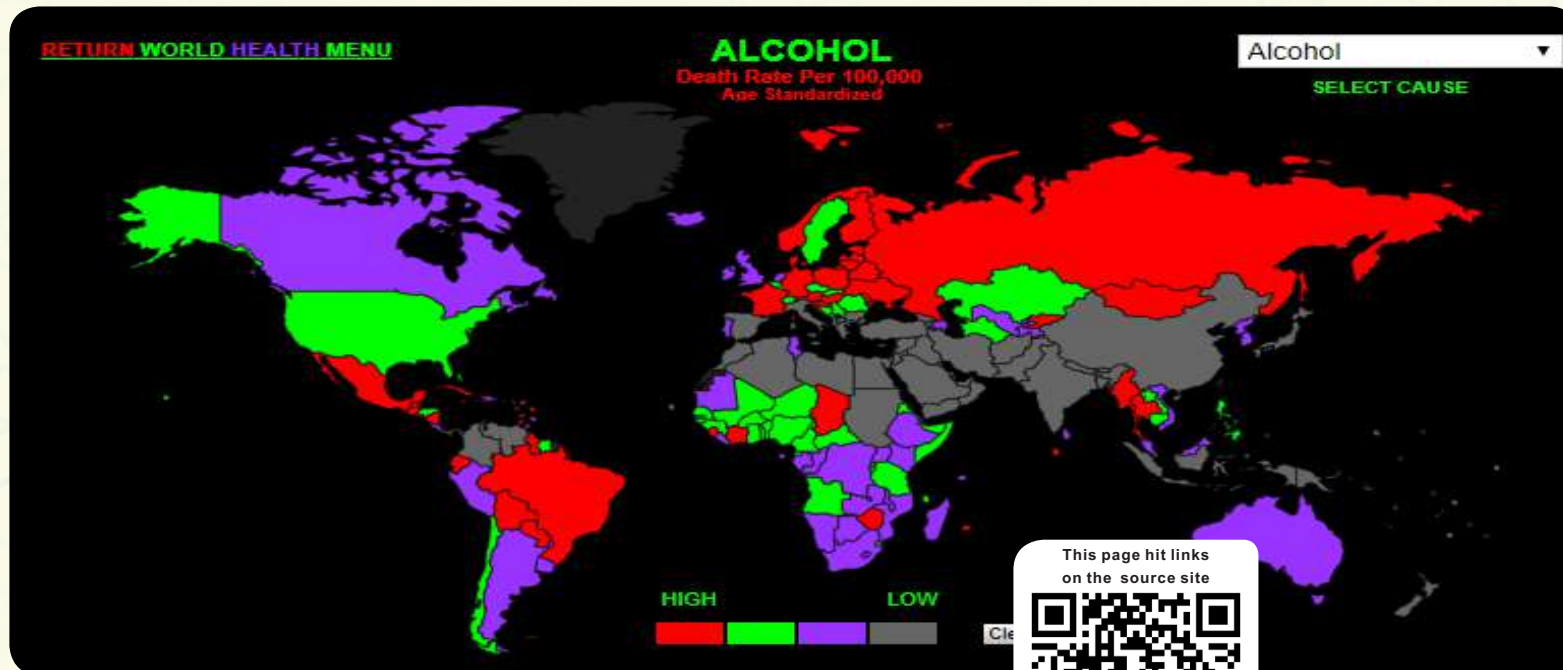


References: The World Health Organization| 2017





Alcohol Use • Ranks 183 among 183 countries
Death Rate: • Ranks **first in the lowest alcohol death rate**

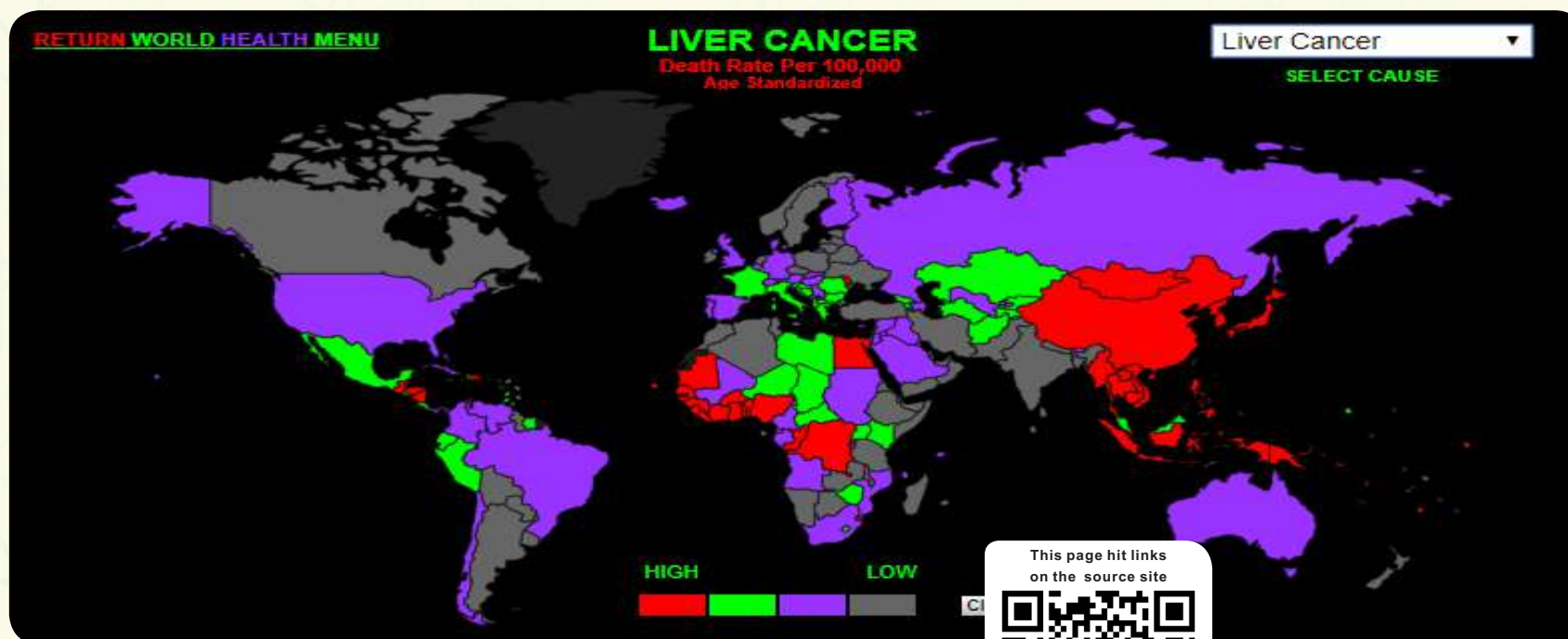


References: The World Health Organization | 2017



Liver Cancer:

- Ranks 166 among 183 countries
- Ranks 18 in the lowest liver cancer death rate



References: The World Health Organization | 2017

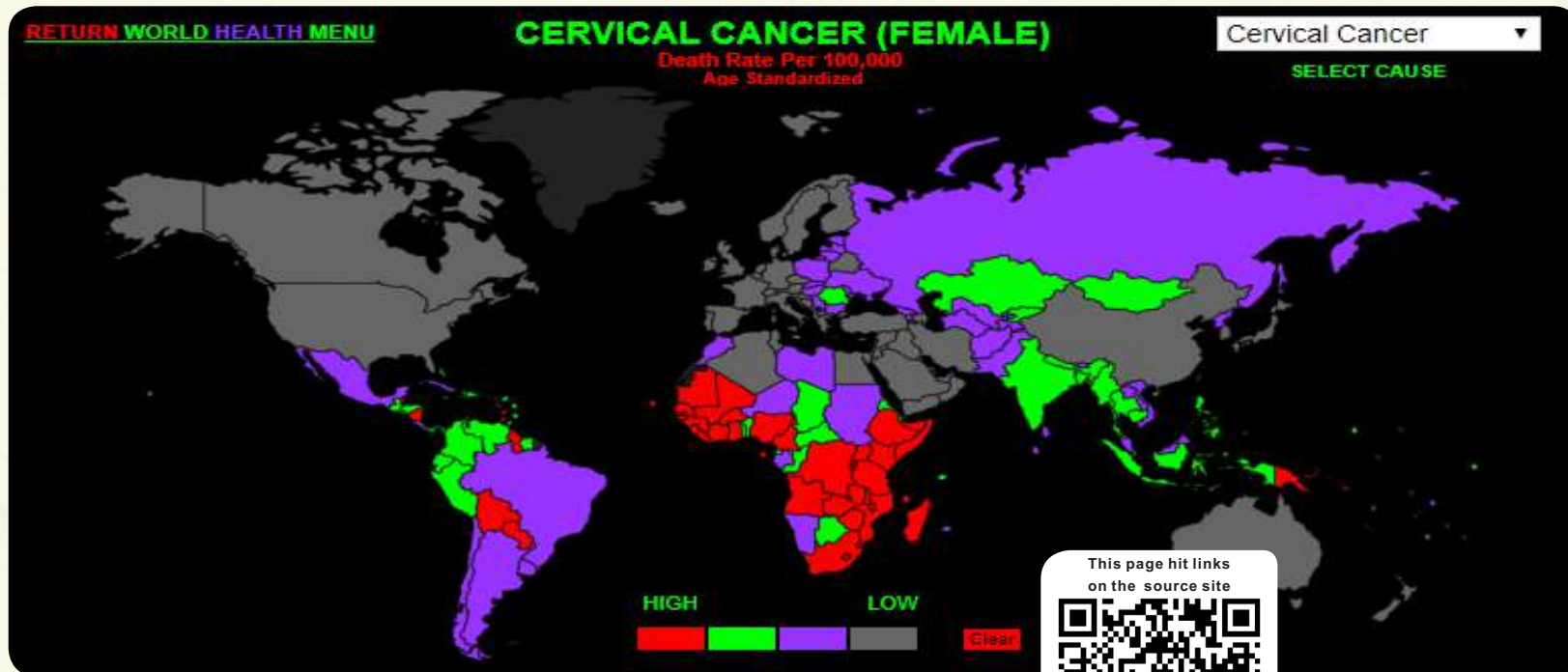
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Cervical Cancer:

- Ranks 174 among 183 countries
- Ranks 10 in the lowest liver cancer death rate

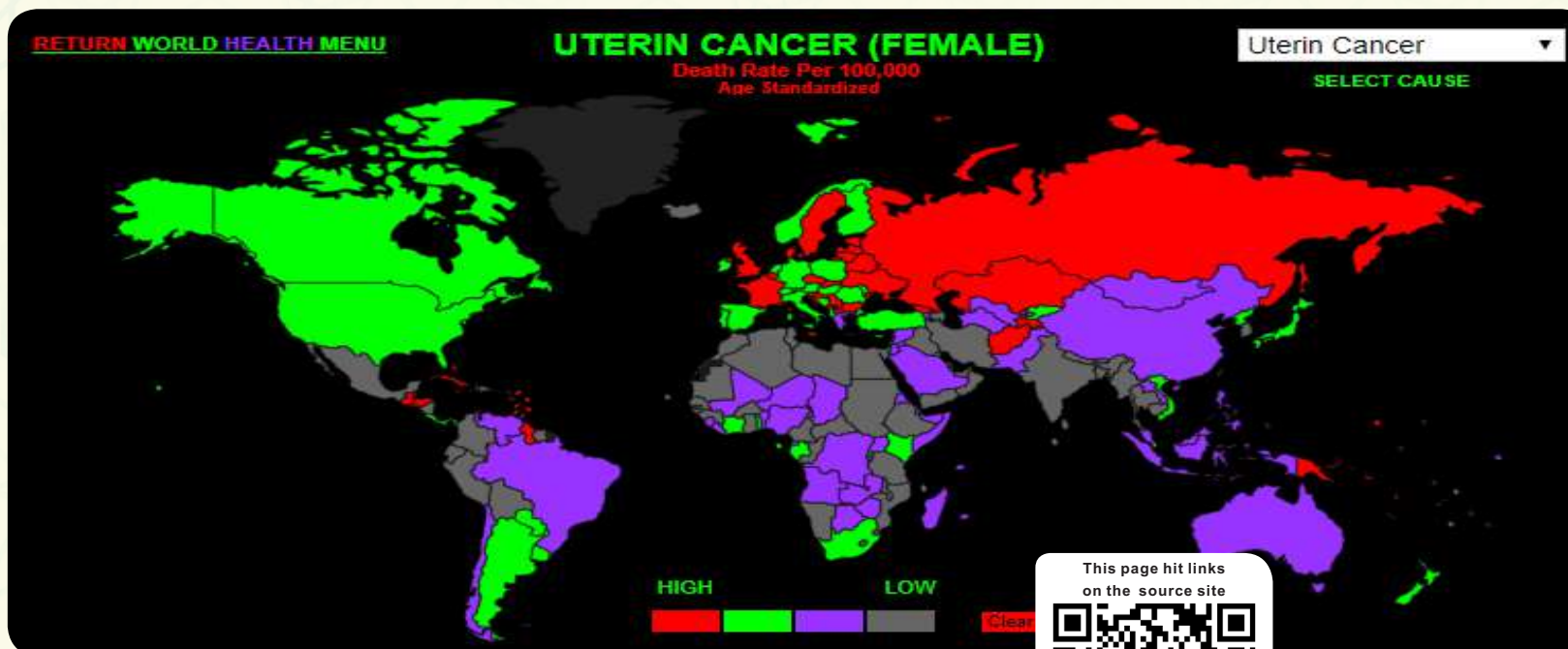


References: The World Health Organization| 2017



Uterine Cancer:

- Ranks 170 among 183 countries
- Ranks 14 in the lowest liver cancer death rate



References: The World Health Organization| 2017



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AGRICULTURE



[Cereal]

- Cereals are plants from the **family of gramineae**.
- Wheat, rye, and barley are the cool-season cereals and warm-season cereals are rice, corn, sorghum and millet.
- Today, about **70 percent** of the one million hectares cultivated lands worldwide is dedicated to cereals.
- Approximately **half of the human nutritional needs**, especially in Asia, is directly provided through cereals.

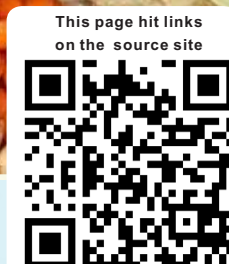


IRAN,

is the **twenty second country** of the world in **producing cereals** and it is the **fifth** country of the world in **developing** the production of cereals from 1990 to 2010.



References: Food and Agriculture Organization of the United Nations (FAO) | 2010



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IRAN,

is the **fifteenth** country of the world in producing **wheat and barley**
and it is the **twenty** first country of the world in producing **rice**.



References: Food and Agriculture Organization of the United Nations (FAO) | 2017

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IRAN,

Iran ranks **fifth** in the world considering the **total area of agricultural lands**.



References: CIA World Factbook | 2018



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IRAN,

Iran ranks **fifteen** in the world considering the **amount of land irrigation per capita**.



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References: Nationmaster | 2003



IRAN,

Iran ranks **twenty one** in the world considering the total number of agricultural machinery.



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References: The World Bank | 2000



IRAN,

Iran ranks **eighteen** in the world considering the **agricultural permanent products**.



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References: Nationmaster | 2000



In producing **one third of the** global agricultural products, **Iran** is among **the top twenty** countries.

Iran is the second date producer, the second pistachio producer, the third apricot producer, the third cherry producer, the third peanut producer, the third walnut producer, the third watermelon producer, the fourth fig producer, the fourth kiwi producer, the fourth cucumber producer, the fourth quince producer, the fifth citrus producer, the fifth eggplant producer, the fifth vegetable producer, the seventh tomato producer, and the ninth grape producer.



References: Food and Agriculture Organization of the United Nations (FAO) | 2017



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ENERGY



IRAN,

The **thirteenth** rank in **exporting** natural gas | The **second** rank in natural gas reserves | The **third** rank in natural gas producing



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References: CIA World Factbook | 2018



IRAN,

- The **fourth** rank in the proved **oil reserves**
- The **seventh** rank in **producing oil**
- The **sixteenth** rank in **exporting oil**



References: CIA World Factbook | 2018

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IRAN,

- The **seventeenth** global rank in **producing electrical power**
- The **twenty** second global rank in **exporting electrical power**



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References: CIA World Factbook | 2018



IRAN,

- The **fourteenth** global rank in **producing gasoline**



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References: Indexmundi | 2017

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INDUSTRY AND MINE



Plaster production:

The **third** global rank ¹



Copper production:

The **twelfth** global rank ²



Iron ore production:

The **tenth** global rank ¹



Zinc production:

The **sixteenth** global rank ²

Turquoise production:

The **first** global rank ³



References: 1. The United States Geological Survey (2017) | 2. Indexmundi (2017) | 3. Financial Tribune (2016)





[**IRAN** ranks **thirteenth** in producing the strategic product, **STEEL**]

- **Steel** is a strategic product and is globally known as a **key industry** and it is an important and role-playing product in industrial development and progress of countries. **After oil and gas, this product is the second most-traded product in the world.**
- According to the World Steel Association statistics, **less than 70 countries produce steel** and those unable to produce their own needs to this product should ignore their development and remain dependant to the steel producing countries.
- **IRAN** ranks **thirteenth** globally in exporting steel.
- After the Islamic Revolution, producing steel in Iran has been **18 times more than the global rate** and this shows a significant growth in producing this strategic product.



References: World Steel Association | 2017

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[**IRAN** ranks **eleventh** in producing **CEMENT**]

- **Cement** industry as a basic industry **plays an important role in the development of economic infrastructure** for each country.
- This product fulfils **the basic needs of structural activities**.
- In 2017 **IRAN** ranked **eleventh** globally in producing cement.



References: The United States Geological Survey | 2017

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[**IRAN** ranks **first** globally in exporting **CEMENT**]

The **Advantages** of Iranian Cement Industry:

- Mineral reserves are **extensively spread throughout the country** in a way that made it possible to produce cement in almost all parts of Iran (Transportation of cement is hard and a considerable part of its final price is dedicated to transportation.)
- The availability of numerous **energy** resources (Cement production is an energy-consuming industry.)
- **Iran is located among a number of countries which are the biggest cement importers.**
- Considering the **technology**, 80% of the technical equipment and engineering knowledge for producing cement is available domestically.



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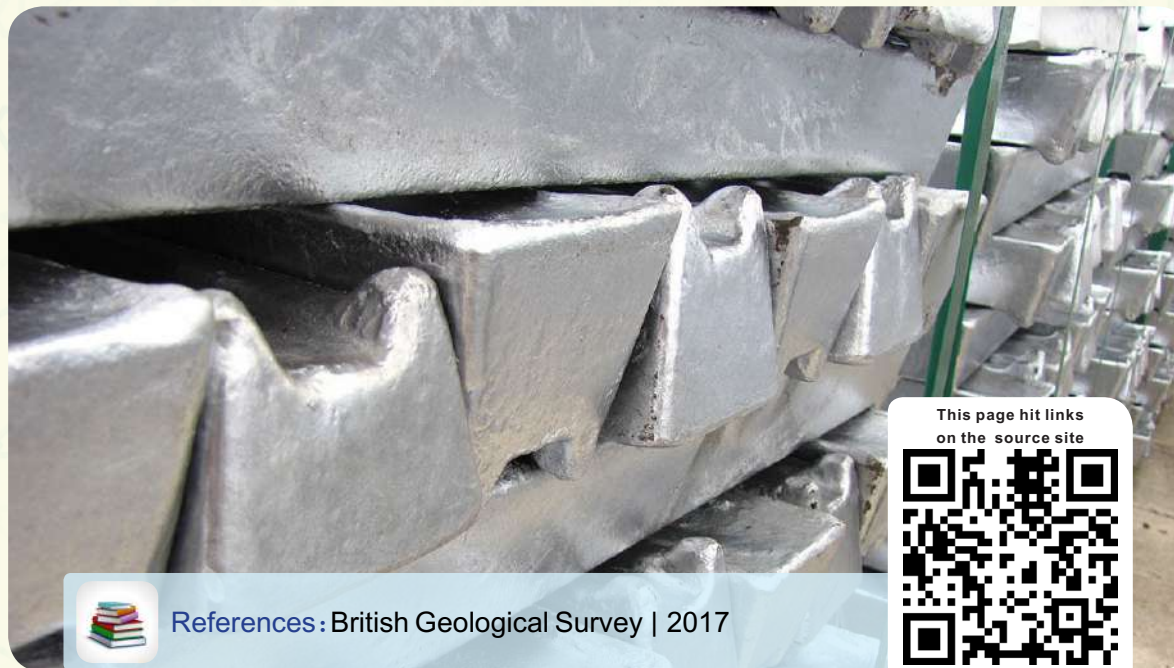
References: Financial Tribune | 2014





[**IRAN** ranks **twentieth** in producing **ALUMINUM**]

- **After iron, aluminum is the second mostly-used metal** and is important to almost all sections of industries.
- Aluminum is widely used in transportation, packaging, construction, producing electrical equipment, and power lines industries.
- In 2014, IRAN ranked **twentieth** globally in producing aluminum.



References: British Geological Survey | 2017

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According to the International Civil Aviation
Organization (ICAO) statistics (2018)



Iranian **aerospace safety industry** ranks **twenty second**
among 185 countries in the world.

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According to the International Organization of
Automobile Manufacturers statistics (2017)



Iran ranks **sixteenth** globally in
producing cars.



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TECNOLOGY



[Communication Technology: The Number of Internet Users]

Having more than 56 million internet users,
IRAN ranks **17th** in the world.



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References: Internet World Stat | 2018



[**Communication** Technology: The Availability of **Mobile Phones**]

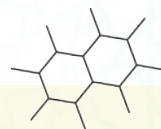
Having more than 74 million mobile phone owners,
IRAN ranks **20th** in the world.



References: CIA World Factbook | 2017

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[Nano Technology]

IRAN is the **sixth** leading country in the world in nanotechnology productions.

Top 20 countries in publication of nanotechnology articles in 2016

| Rank | Country | Nano-articles | Share (%) |
|------|-------------|---------------|-----------|
| 1 | China | 47,455 | 34.51 |
| 2 | USA | 22,337 | 16.25 |
| 3 | India | 11,066 | 8.05 |
| 4 | South Korea | 8,386 | 6.1 |
| 5 | Germany | 7,963 | 5.79 |
| 6 | Iran | 7,583 | 5.52 |
| 7 | Japan | 6,952 | 5.06 |
| 8 | France | 5,313 | |
| 9 | UK | 5,038 | |
| 10 | Spain | 4,178 | |

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References: Web of Science (WoS) | 2016



[Space Technology]

IRAN is an emerging power in space technology and it ranks **tenth** in designing, manufacturing and launching satellites.



References: Iranproject | 2015



[Nuclear Technology]

- **IRAN is one of the 9 countries** in the world which benefits from the **full nuclear fuel cycle**, including Uranium exploration, extraction, yellowcake production and changing it into UF₆ gas for producing fuel and fuel complexes.

- IRAN is **among 13 countries** which have the **Uranium enrichment technology**.

Brazil, China, France, Germany, India, Iran, Japan, Netherlands, North Korea, Pakistan, Russia, Britain and the US are the countries with the knowledge of Uranium enrichment.



References: wise-uranium.org | 2018





[Stem Cell Technology]

IRAN ranks **second** among the **most developed countries** in the field of stem cells.

| | |
|----|----------------|
| 1 | United States |
| 2 | Iran |
| 3 | South Korea |
| 4 | Australia |
| 5 | China |
| 6 | Spain |
| 7 | Israel |
| 8 | India |
| 9 | Canada |
| 10 | Germany |
| 11 | Malaysia |
| 12 | Panama |
| 13 | United Kingdom |
| 14 | Hong Kong |

Stem Cell Research In Iran

Iran ranks second in the list of countries where stem cell research is popular. Stem cell research in Iran began on a high note after the respected leader **Ayatollah Ali Khamenei** gave the green light on that kind of research in 2002. Unlike the US which debated on the use of human embryos in stem cell research, Iran did not encounter such hindrances. Therefore, Iran has been able to achieve a lot of progress in the field in the 14 years it has been engaged in the research. Royan Institute located in the Iranian city of Tehran is the leading center in Stem Cell research in the country. Iran has so far had 65 clinical trials of stem cell research.

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References: ClinicalTrials.gov | 2017



[Biotechnology]

In 2017, IRAN ranked **13th** globally and 1st regionally in biotechnological products.



References: SCImago | 2017

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ECONOMY



[Gross Domestic Product (GDP) based on Purchasing Power Parity (PPP)]

- In order to assess the economic performance of countries and compare it to others, an economic index should be chosen. **Gross Domestic Product (GDP)** is a widely used index for measuring the volume of an economy. It shows the total value of the governmental and private sector economic activities over a specific period of time, e.g. a year.
 - **Purchasing Power Parity (PPP)** is a type of exchange rate which is defined as the **ratio of the price of two equal market baskets in two countries based on their national currencies**.
 - One of the most famous indices used by the economists to calculate PPP is **Big Mac Index** because this hamburger **is served in many countries worldwide with almost the same quality**. Let's presume that an American consumer should pay USD 2 for a Big Mac and a British consumer should pay GBP 1.5 for it. The ratio of GBP 1.5 to USD 2 will be 0.75. Compared to the USD to GBP exchange rate which is 0.62, 0.75 is bigger and this means that Big Mac in Britain is more expensive than the US.
- If we wish to decide only based on the Big Mac Index, we should conclude that American people have a higher PPP than British people, competitiveness power of the American economy is higher than the British economy and living standard in the US is higher than Britain.





[Gross Domestic Product (GDP) based on Purchasing Power Parity (PPP)]

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World Bank Statistics (2016)

| Rank | Country | Rank | Country |
|------|-----------|-----------|--------------|
| 1 | China | 11 | Mexico |
| 2 | USA | 12 | Italy |
| 3 | India | 13 | Turkey |
| 4 | Japan | 14 | South Korea |
| 5 | Germany | 15 | Saudi Arabia |
| 6 | Russia | 16 | Spain |
| 7 | Indonesia | 17 | Canada |
| 8 | Brazil | 18 | Iran |
| 9 | Britain | 19 | Australia |
| 10 | France | 20 | Thailand |



International Monetary Fund Statistics (2017)

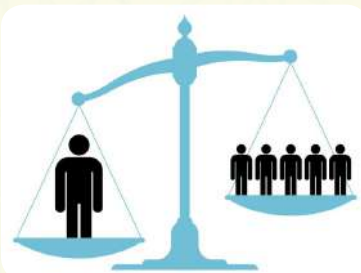
| Rank | Country | Rank | Country |
|------|-----------|-----------|--------------|
| 1 | China | 11 | Italy |
| 2 | USA | 12 | Mexico |
| 3 | India | 13 | Turkey |
| 4 | Japan | 14 | South Korea |
| 5 | Germany | 15 | Saudi Arabia |
| 6 | Russia | 16 | Spain |
| 7 | Brazil | 17 | Canada |
| 8 | Indonesia | 18 | Iran |
| 9 | Britain | 19 | Thailand |
| 10 | France | 20 | Australia |

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[Decreasing Trend of the Gini Coefficient after the Islamic Revolution]

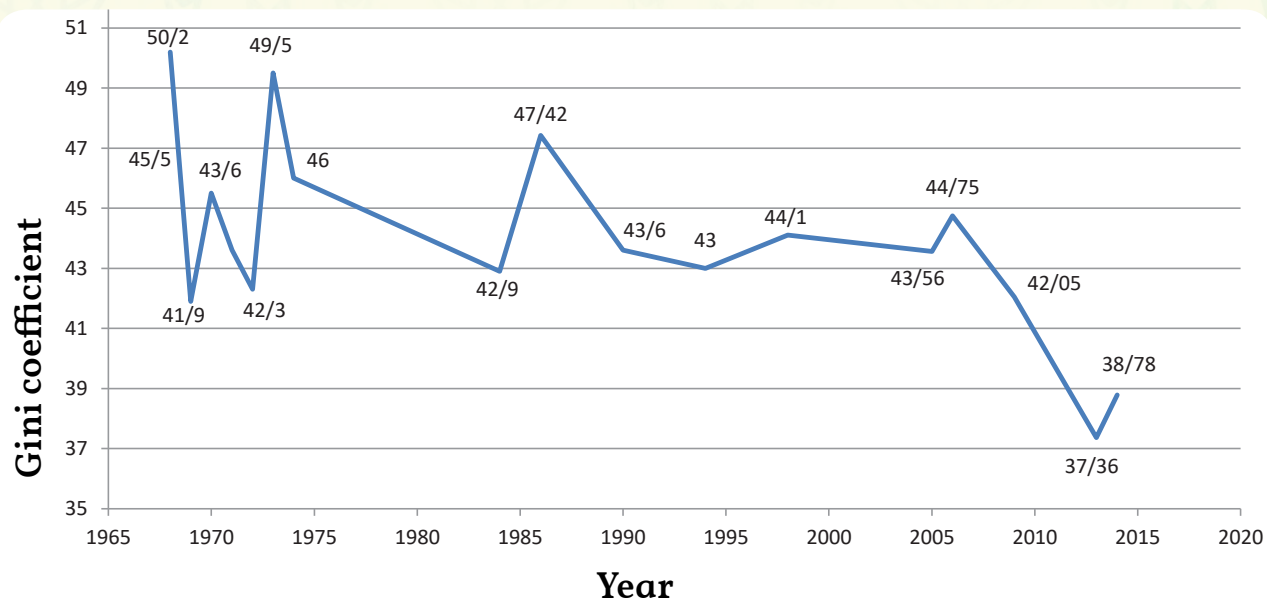


Gini coefficient is used to measure whether the development of a country in terms of growth in producing goods and expanding services has in fact increased the **welfare** and **decreased the social gap** or not, therefore **governments try to decrease** the Gini coefficient.

References: The World Bank

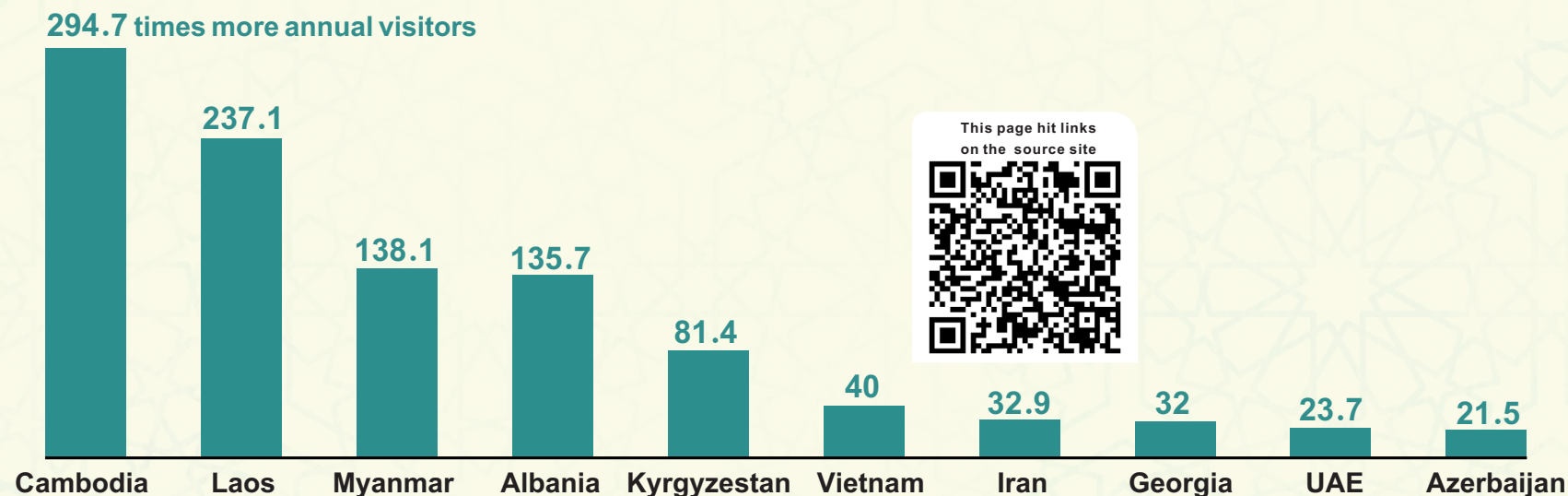


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[IRAN ranks **seventh** in **tourist attraction growths**]



IRAN ranks **seventh** in **tourist attraction highest growths** (from 1990 to 2018) and in 2018, **32.9 times more** annual tourists visit Iran than in 1990.



References: Daily Telegraph quoting from the World Tourism Organization | 2018



[Market Size*]

- According to the statistics by the World Economic Forum in 2016, IRAN ranked **nineteenth** regarding the market size.

* The market size index includes three sub-indices:

1. **Domestic Market Size**: The total GDP plus the value of all goods and services imported and minus the value of all goods and services exported which is from 1 to 7 (the best).
2. **Foreign Market Size**: Based on the PPP in billion USD.
3. **Export** as a percentage of the GDP.



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References: The World Economic Forum | 2016

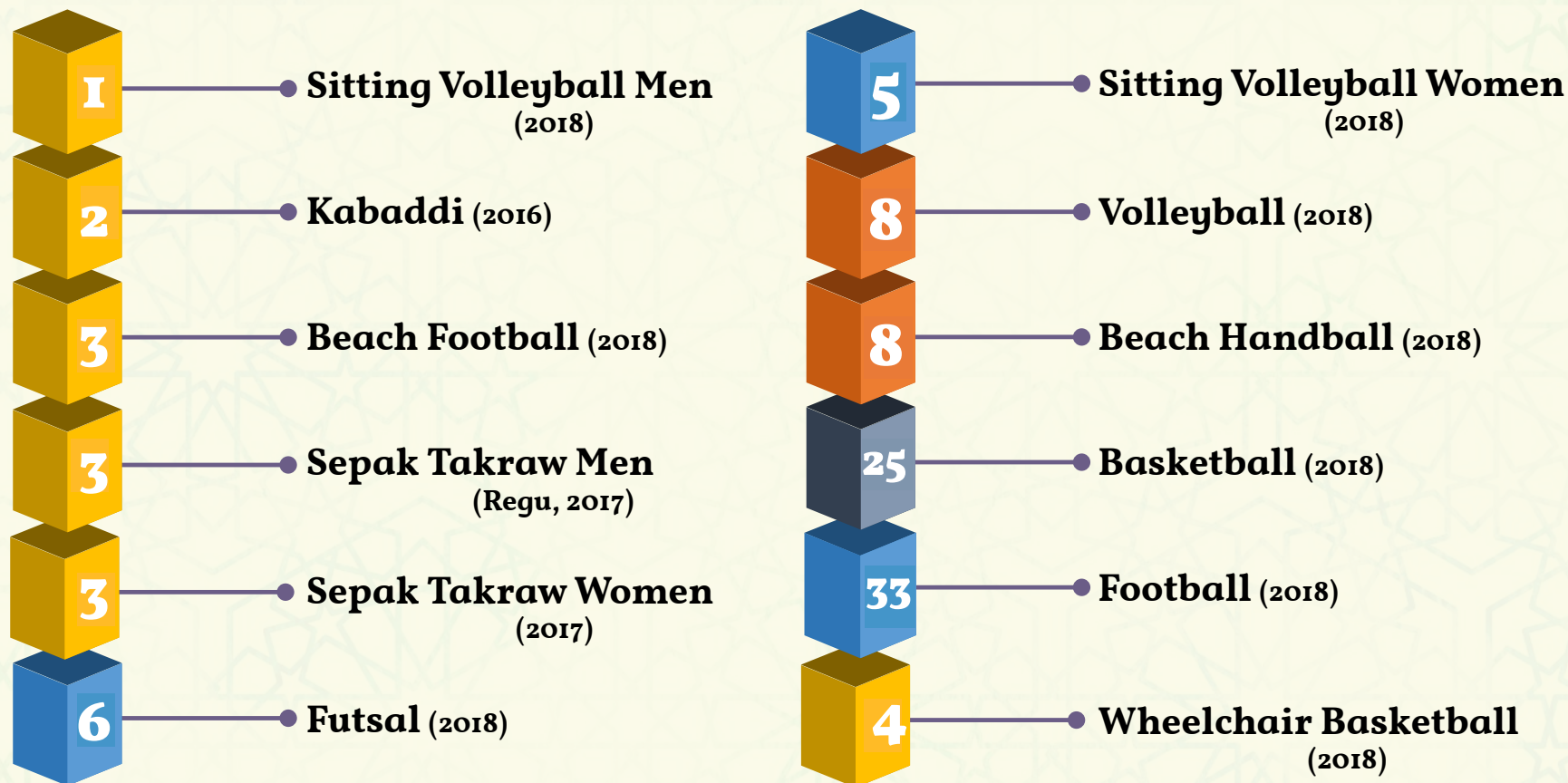


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S P O R T S



[International Rankings of Iran in **Team Sports**]



References: International Ranking for each Sport or the Latest International Event



[Achievements in **Disabled Sport**]



- **First** rank in the world sitting volleyball – Men (2018)
- **Fifth** rank in the world sitting volleyball – Women (2018)
- **Fourth** rank in the world wheelchair basketball (2018)
- **Fifteenth** rank in Paralympics (2016)
- **First** rank in 10-meter air pistol women team
- Siamand Rahman as the world **most powerful** disabled man

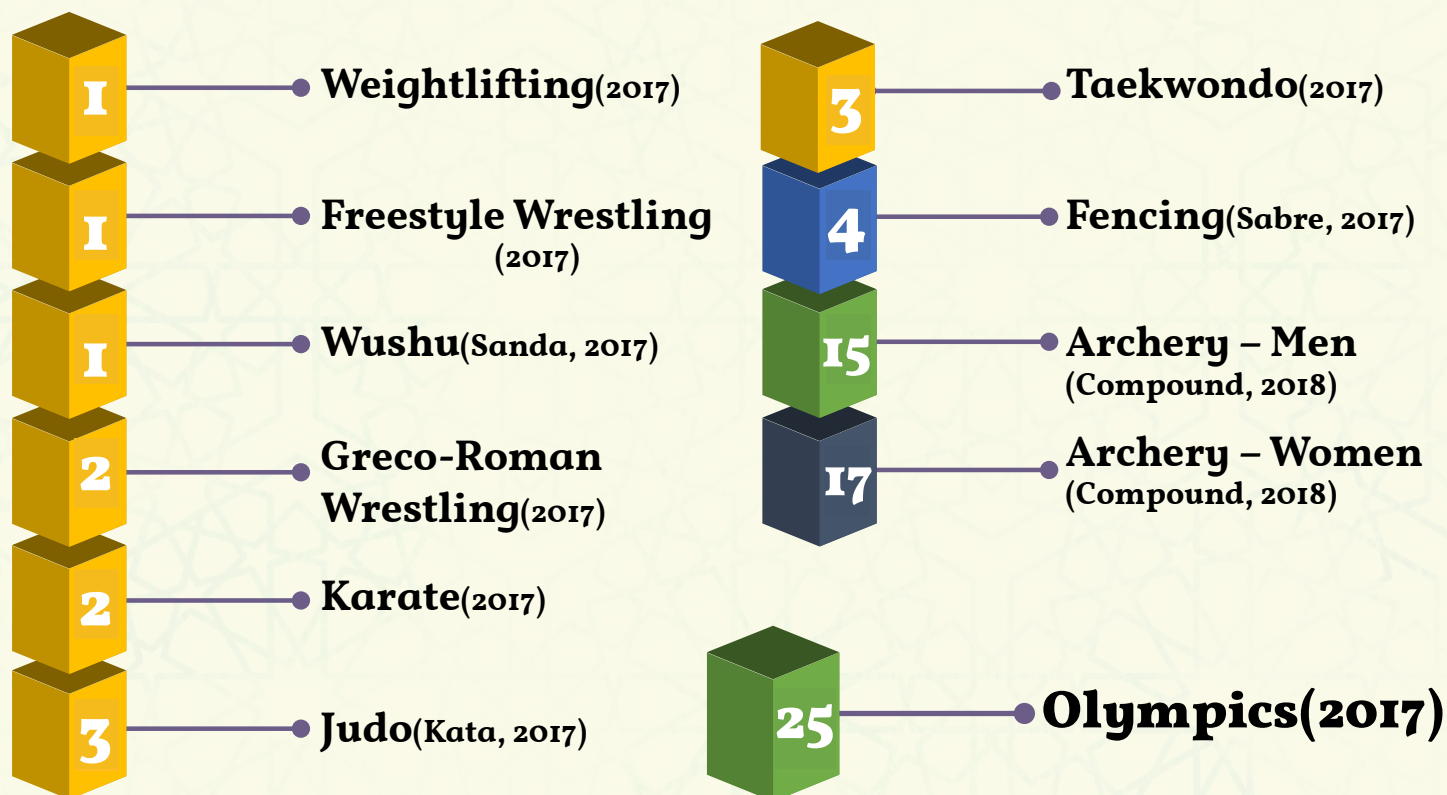


References : International Ranking for each Sport or the Latest International Event



[International Rankings of Iran in **Team Sports**]

References: International Ranking for each Sport or the Latest International Event



The Best Ranks of Iran
in International Statistics
i n t h e a r e a o f

MILITARY



[Ranking of the World Military Powers]

- The criterion for ranking the world military powers is **Global Firepower (GFP) index** which is published annually on www.globalfirepower.com.
- In this website, indices such available **weaponry**, **variety of weaponry**, the **military forces**, **geographical** locations, **logistics** capacity, available **natural resources** and conditions of **domestic military industries** are considered.
- The website states that **in cases where official statistics are not available** (e.g. some information about North Korea), it has **estimated** a number of the amounts.





- Final ranking is prepared based on **8 main indices** and 55 sub-indices related to the military power of countries.





20 Top Military Powers in the World by GFP (137 – 2018 Countries)

IRAN, the **thirteenth** military
power in the world

Note:
Iran's rank is **regardless of the
IRGC's equipment and forces.**

| | |
|--|---|
| 1 ↔ United States PwrIndx: 0.0818, GFP Affiliations: North America; NATO; Apacific | 11 ↔ Italy PwrIndx: 0.2565, GFP Affiliations: Europe; NATO; European U |
| 2 ↔ Russia PwrIndx: 0.0841, GFP Affiliations: Apacific; EasternEuro; Asia | 12 ↓ Egypt PwrIndx: 0.2751, GFP Affiliations: Africa; Middle East |
| 3 ↔ China PwrIndx: 0.0852, GFP Affiliations: Apacific; Asia | 13 ↑ Iran PwrIndx: 0.3131, GFP Affiliations: Middle East; Asia |
| 4 ↔ India PwrIndx: 0.1417, GFP Affiliations: Apacific; Asia | 14 ↑ Brazil PwrIndx: 0.3198, GFP Affiliations: South America; Latin Ameri |
| 5 ↔ France PwrIndx: 0.1869, GFP Affiliations: Europe; NATO; European Union | 15 ↓ Indonesia PwrIndx: 0.3266, GFP Affiliations: Apacific; Southeast; Asia |
| 6 ↑ United Kingdom PwrIndx: 0.1917, GFP Affiliations: Europe; NATO; European Union | 16 ↓ Israel PwrIndx: 0.3444, GFP Affiliations: Middle East; Asia |
| 7 ↑ South Korea PwrIndx: 0.2001, GFP Affiliations: Apacific; Asia | 17 ↓ Pakistan PwrIndx: 0.3689, GFP Affiliations: Apacific; Asia |
| 8 ↓ Japan PwrIndx: 0.2107, GFP Affiliations: Apacific; Asia | 18 ↑ North Korea PwrIndx: 0.3876, GFP Affiliations: Apacific; Asia |
| 9 ↓ Turkey PwrIndx: 0.2216, GFP Affiliations: Middle East; NATO; Balkan; Asia | 19 ↑ Spain PwrIndx: 0.4079, GFP Affiliations: Europe; NATO; European U |
| 10 ↓ Germany PwrIndx: 0.2461, GFP Affiliations: Europe; NATO; European Union | 20 ↓ Vietnam PwrIndx: 0.4098, GFP Affiliations: Apacific; Southeast; Asia |



References: Global Firepower (GFP)

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in International Statistics
i n t h e a r e a o f

SCIENCE



[**Why** the quantity of scientific articles and documents are the reference for development?]



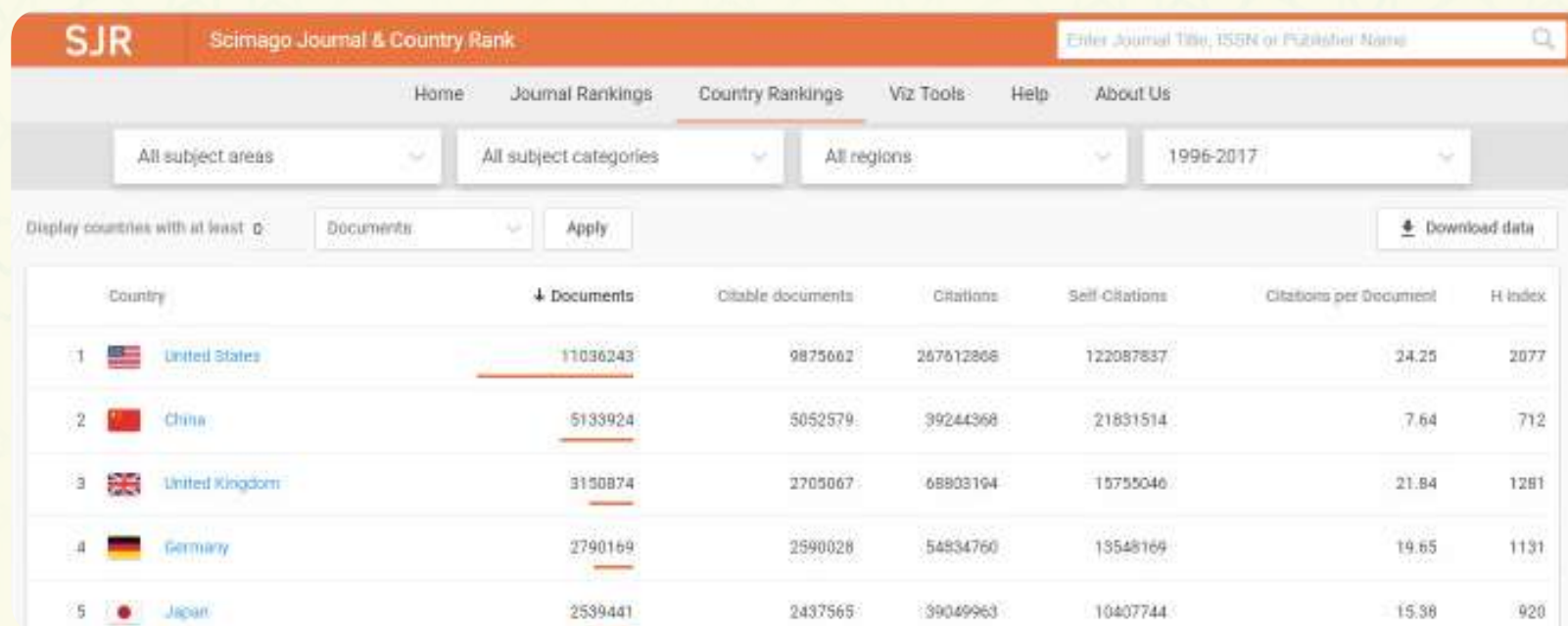
- 1. Currently they are **the only available source** for assessing the scientific conditions of countries.
- 2. Any increase in the scientific documents of a country **shows scientific dynamism and movement** in that country.
- 3. References to the Iran's scientific conditions made by the **Supreme Leader** are based on the scientific documents.
- 4. In most countries, these documents and articles will soon convert into technology and products (there is a direct link between leadership in producing articles and leadership in **technology**).





[SCImago Ranking System]

- **SCImago** Ranking System is performed by a research group under the same title at the **University of Granada**, Spain and it assesses and ranks the higher education institutes of different countries which are listed in **Scopus** database **based on the number of scientific articles and the number of citations they receive**. This ranking is one of the **newest and most comprehensive** research ranking systems used for universities and research institutes worldwide.



The screenshot shows the SCImago Journal & Country Rank website interface. The top navigation bar includes links for Home, Journal Rankings, Country Rankings (selected), Viz Tools, Help, and About Us. Below the navigation bar, there are filters for 'All subject areas', 'All subject categories', 'All regions', and a date range of '1996-2017'. A search bar is also present. The main content area displays a table of country rankings based on documents, citations, and H-index.

| Country | ↓ Documents | Citable documents | Citations | Self-Citations | Citations per Document | H Index |
|----------------------------------|-------------|-------------------|-----------|----------------|------------------------|---------|
| 1 United States | 11036243 | 9875602 | 267612868 | 122087837 | 24.25 | 2077 |
| 2 China | 5133924 | 5052579 | 39244368 | 21831514 | 7.64 | 712 |
| 3 United Kingdom | 3150874 | 2705067 | 68903194 | 15755046 | 21.84 | 1281 |
| 4 Germany | 2790169 | 2590028 | 54834760 | 13548169 | 19.65 | 1131 |
| 5 Japan | 2539441 | 2437565 | 39049963 | 10407744 | 15.38 | 920 |





[IRAN'S Rank in the Number of Articles]

First rank by Iran in the region (2017)

| Country | Scientific Documents |
|-----------------|----------------------|
| 1 Iran | 54388 |
| 2 Turkey | 42405 |
| 3 Saudi Arabia | 20644 |
| 4 Israel | 20391 |
| 5 Egypt | 18030 |

Sixteenth rank by Iran in the world (2017)

| Country | Scientific Documents |
|-----------------|----------------------|
| 14 Brazil | 73697 |
| 15 Netherlands | 57503 |
| 16 Iran | 54388 |
| 17 Switzerland | 45532 |
| 18 Poland | 44692 |

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References: SCImago Journal & Country Rank | 2017





[IRAN's Rank in the Number of Articles Citations]

First rank by Iran in the region (2017)

| Country | Citations |
|-----------------|-----------|
| 1 Iran | 28813 |
| 2 Saudi Arabia | 18564 |
| 3 Turkey | 15242 |
| 4 Israel | 15120 |
| 5 Egypt | 9182 |

Sixteenth rank by Iran in the world (2017)

| Country | Citations |
|------------------------|-----------|
| 15 Sweden | 33053 |
| 16 Brazil | 30544 |
| 17 Iran | 28813 |
| 18 Belgium | 28363 |
| 19 Russian Federation | 25830 |

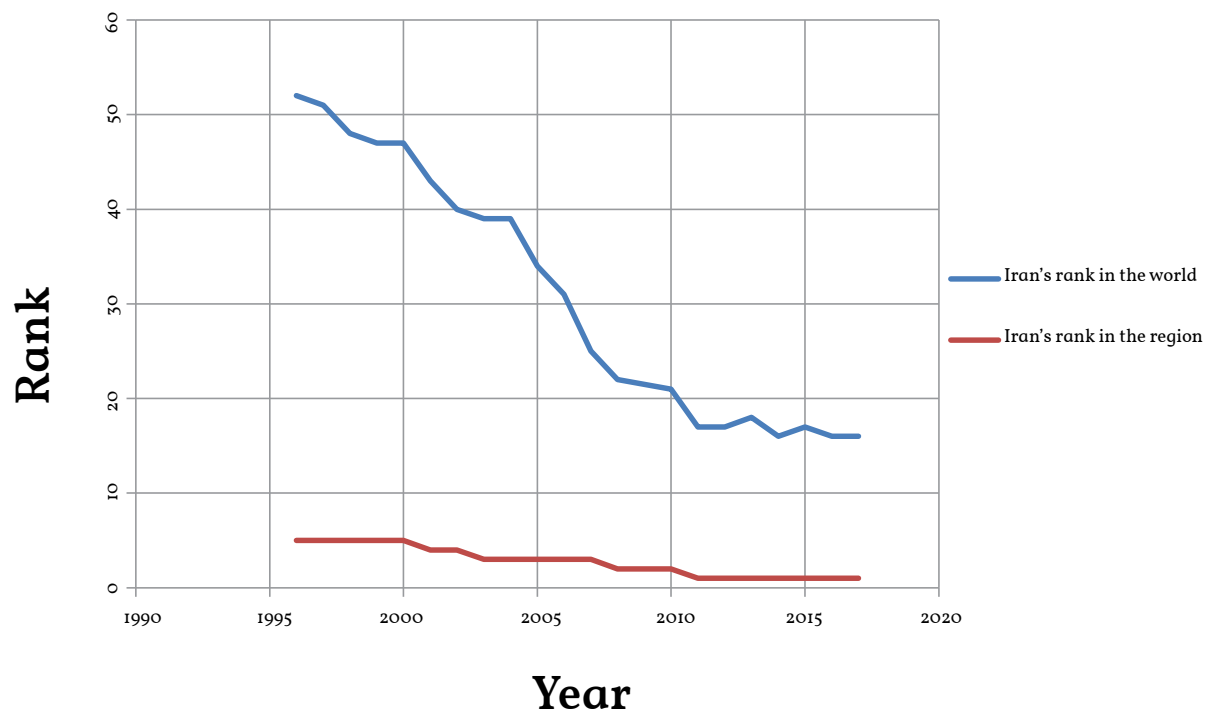
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References: SCImago Journal & Country Rank | 2017



[The Diagram Depicting the Iran's Scientific Status from 1996 to 2017]



References: SCImago Journal & Country Rank | 2017





[New Scientist Journal]

- New Scientist is a renowned international weekly scientific journal published in **Britain** since **1956**. Its headquarters is in London and it is distributed in Britain, US and Australia.
- New Scientist publishes **statistical reports on the scientific developments** in different countries.



[Speed of Scientific Growth in Iran]

•Based on the 2010 report by New Scientist:

•**IRAN** had the fastest scientific growth rate in the world.

•**IRAN** was the leading country in the world in scientific products.

•Scientific growth rate in IRAN was **11 times more than the world average rate.**

•In order to preserve the **validity** of its report, New Scientist has used **the statistics and figures available in the Web of Science.**



References: New Scientist | 2010



The Best Ranks of Iran
in International Statistics
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H U M A N DEVELOPMENT





[IRAN has had the **first rank worldwide in the Human Development Index growth in the past 4 decades**]

- Human development report **is one of the most important and reliable socio-economic reports in the world** published annually by the United Nations Development Programme (UNDP). In this report, the Human Development Index (HDI) is measured based on criteria such as **life expectancy, quality of the educational system, real income and national per capita income.**
- All socio-economic indices are considered in measuring this index; in other words, **this is one of the most comprehensive criterion for comparing development in countries** and all governments and scientific and research institutes refer to this index **as a main criterion for comparing different countries.**
- Based on the UN Human Development Report, **from 1980 to 2016, Iran has had the highest growth in the human development worldwide.**



References: The United Nations | 2016



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The Best Ranks of Iran
in International Statistics
i n t h e a r e a o f

GLOBAL POWER



[Hudson]

- The **Hudson** Institute, founded in 1961, is a research think tank seeking to analyze the behaviors and policies of the world big powers.
- This institute is committed to conduct modern research and analysis which would promote “global security, welfare and freedom”.
- Precise predictions about the future of countries have made this institute as a reliable international counselor to different countries.
- Some of the effective factors on Hudson ranking:
 1. International Allies
 2. Economic Conditions
 3. Political Influence





[The 8 Great Powers of the World Chosen by Hudson]



1. The US
2. China
3. Japan
4. Germany
5. Russia
6. India
7. **IRAN** and Saudi

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on the source site



References: Hudson



[U.S. News]

- **U.S. News** ranks the best countries of **2018** by the help of Y & R global marketing communications company, BAV Group (BAV assesses the specifications of commercial brands and the criteria which lead to the market success) and the Wharton School of the University of Pennsylvania which is **based on a survey asking 21,000 individuals from 4 regions** to evaluate countries.
- **Power** ranking is based on **the average scores in the 5 specifications: Leadership, Effective Economic Influence, Political Influence, Powerful International Alliances, Powerful Military Forces**





[Iran is the thirteenth world top power according to the U.S. News (2018)]

- | | |
|------------|-----------------|
| 1. The US | 8. Israel |
| 2. Russia | 9. Saudi Arabia |
| 3. China | 10. UAE |
| 4. Germany | 11. South Korea |
| 5. Britain | 12. Canada |
| 6. France | 13. IRAN |
| 7. Japan | |



Iran

#13 in Best Countries: Power
#77 in Best Countries

Iran, once the heart of the great Persian Empire, sits in southwestern Asia, bordered to its east by Afghanistan and to its west by Iraq. Iran has one of the largest economies in the Mid ...more

\$393.4 billion GDP | 80.3 million POPULATION | \$19,256 GDP PER CAPITA, PPP



References: U.S. News



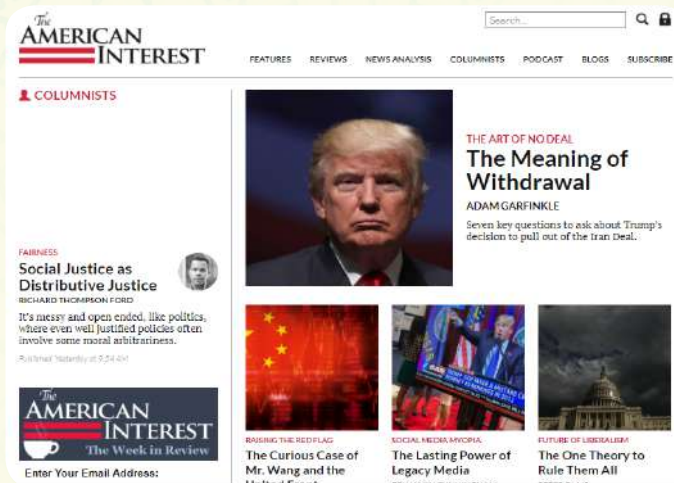
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[American Interest]

- The **American Interest journal** was established in 2005 with the management of **Francis Fukuyama**.
- This journal focuses on **foreign policy, international affairs, global economy and military affairs**.
- Two effective factors on the American Interest ranking:
1. **Penetration and Influence** on other Countries | 2. **Defensive and Missile Power**





[The 8 Great Powers of the World According to the American Interest]

The American Interest

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YEAR IN REVIEW

The Eight Great Powers of 2017

WALTER RUSSELL MEAD & SEAN KEELEY

In 2016, Russia surpassed Germany, and Israel joined the list for the first time.

7. Iran

The proxy wars between Saudi Arabia and Iran continued unabated throughout 2016, and as we enter the new year Iran has confidently taken the lead. Saudi Arabia remains a formidable power, but it was Iran that pulled ahead in the last 12 months.

Throughout 2016, Iranian proxies were on the march across the Middle East, and the Shi'a Crescent seemed closer to reality than ever before. In Lebanon, Tehran rejoiced at the growing clout of Hezbollah and the election of Shi'a-friendly Michel Aoun, while the Saudis bitterly cut off aid in a sign of their diminishing influence in Beirut. And in Syria, Shiite militias helped to retake Aleppo and turn the tide for Assad. Iran was also gaining ground in Iraq. More disquieting than all this, from the Saudi perspective, were developments in Yemen. Iran-backed Houthi rebels took the fight to the Saudi-backed government in a war that has already claimed 10,000 lives.

1. The US
2. China
3. Japan
4. Russia
5. Germany
6. India
7. **IRAN**
8. Saudi

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References: American Interest



References

I. Internet World States

- The first website in the areas of **international Internet usage statistics**, electronic business market research, domestic marketing news, travel statistics, world population and **world telecommunications information**.
- By visiting this website, you can find statistical information on the use of the Internet and population statistics **for more than 233 countries** and regions around the world, which is consisted of various periodical studies and official records of the member states.

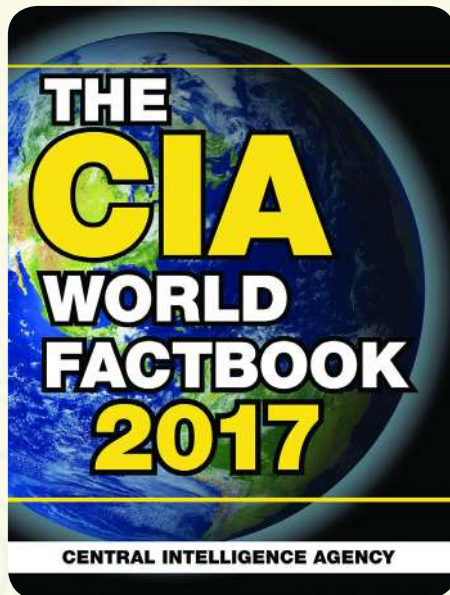


This reference is used in “Technology” section.

2. CIA World Factbook

- CIA World Factbook is a reference book published **annually by the CIA** and contains various information about different countries. This reference is available on a website which is updated **weekly**.

- This collection contains a **two or three-page summary of demographics, geography, communications, government, economics and military status** of different countries.



- The first classified version of the Factbook was published in August 1962, and the first non-classified version was published in June 1971.

- The World Factbook was first publicly released in 1975 and was uploaded on the Internet in late 1994. Each month its website has an average of **6 million visitors**.



This reference is used in “Agriculture |Energy|Technology” section.

3. World Steel Association

- The World Steel Association is an international nonprofit organization that is recognized as **the world's largest steel industry trade association** and is involved in the **introduction of the largest steel and iron ore producers**.
- The World Steel Association began its activity in **1967**, and now **its member companies account for 85% of the global steel production capacity**.
- The World Steel Association headquarters is located in **Brussels, Belgium**. Currently, **more than 150 steel companies** from all over the world are members of this association, while **the primary prerequisite for membership in this association is having a production capacity of 2 million tons per year**. The World Steel Association annually ranks the world's largest steel companies based on production.

worldsteel
A S S O C I A T I O N



This reference is used in “Industry” section.

4. World Bank

- The World Bank was established at the end of World War II and in response to the needs of many European and Asian countries **to finance for the reconstruction of their countries.**
- The Bank emerged from the Bretton Woods Agreement in 1994 and succeeded in **providing funds to the countries that were destroyed in the war.**
- World Bank executives believe that today the World Bank acts as an international organization that **tries to fight poverty by helping middle-income and poor countries.**



WORLD BANK GROUP



This reference is used in “Education | Health | Agriculture” section.

5. Web of Science Database

- The Web of Science is a scientific citation index **created by Thomson Reuters** and provides comprehensive citation search.
- The type of literature indexed in it includes: scientific **books, publications, research papers** and so on. However, it should be noted that over %80 of the resources are covered by scientific journals.



This reference is used in “Technology” section.

6. World Health Organization (WHO)

- One of the specialized agencies of the United Nations that plays the role of an organizing authority on the health of the global community.
- Founded in Geneva (Switzerland) on April 1948 ,6, **the WHO constitution aims to provide people with the highest possible levels of health**. The main task of WHO is fighting against diseases, especially communicable diseases and general health promotion for the people of the world.



This reference is used in “Health” section.

7. International Civil Aviation Organization (ICAO)

• ICAO is a United Nations specialized agency. ICAO's mission is to coordinate the international standards for flying and airline management worldwide.

• ICAO was founded under the Chicago Convention and many countries around the world have joined it.

• The permanent ICAO headquarters is in Montreal, Canada, but it can be temporarily transferred to another location.



This reference is used in "Industry" section.

8. International Organization of Motor Vehicle Manufacturers

- International Organization of Motor Vehicle Manufacturers (OICA – French abbreviation) was established in **1919** in **Paris**, France.
- It is an international trade association whose members are **39 national automobile trade associations**.
- The overall goals of the organization are: **defending the interests of vehicle manufacturers** and **assemblers**.



This reference is used in “Industry” section.

9. International Organization of Motor Vehicle Manufacturers

- The UNWTO which is located in **Madrid, Spain** is an agency of the **UN** which conducts researches on tourism and publishes annually reports.



This reference is used in “Economy” section.

IO. Food and Agriculture Organization (FAO)

•FAO is an international organization active in the field of **agricultural development**; it was founded in **1945** by 44 UN member states.

•This organization helps the developing countries through the FAO Center and through a global network of over 90 administrations to **expand and modernize agriculture, forestry, fisheries and the provision of appropriate food for all.**

•The goal of this organization is **to raise the standards of living and improve the nutrition of the people of the world, to distribute food in different parts of the world and to establish food security. Fighting malnutrition** by providing the necessary information to different countries is another goal of the FAO, which has increased agricultural productivity and nutrition levels in the world.

•The headquarters of this organization is located in **Rome, Italy.**



**FOOD AND AGRICULTURE
ORGANIZATION
OF THE UNITED NATIONS**



This reference is used in “Agriculture” section.

II. The United States Geological Survey

- The US Geological Survey (USGS) is a **governmental agency affiliated with the United States government**, which, in addition to **mapping** and performing **geological studies**, **explores natural resources and natural disasters** as well as other tasks of the organization.
- The organization employs **biologists, geographers, geologists, and hydrologists**.
- The US Geological Survey is a research organization with no legislative or regulatory responsibilities. It is a **subsidiary of the US Department of the Interior**, with its headquarters in **Reston, Virginia**.



This reference is used in “Industry” section.

I2. British Geological Survey

- British Geological Survey (BGS) is a publicly funded organization with the aim of promoting geological knowledge about British lands through systemic monitoring and research.
- The current motto of the BGS: A Gate to the Earth.



This reference is used in “Industry” section.

13. United Nations

- An international organization founded in **1945** and replaced the League of Nations.
- The organization was founded by 51 countries and in 2011 it had **193 member states**.
- Its members include almost all internationally recognized independent countries.
- The United Nations headquarters is in **New York** and member states and affiliated organizations each year hold regular meetings and make decisions on international affairs and related administrative affairs.



This reference is used in “Agriculture | Energy | Technology | Human Development” section.

I4. International Monetary Fund




- International Monetary Fund (IMF) monitors the **international monetary system execution**.
- This organization is **one of the most reliable sources for assessment and prediction** of the world economic conditions.
- The plan for establishing IMF was formed in the **Bretton Woods Conference** in **1944** where the world economy structure **after the WWII** was decided and it began working in March **1945**.



This reference is used in “Economy” section.

I5. International Monetary Fund

•ClinicalTrials.gov is a **database** of privately and publicly funded clinical studies conducted worldwide.



The screenshot shows the ClinicalTrials.gov website. At the top, it says "NIH U.S. National Library of Medicine" and "ClinicalTrials.gov". There are navigation links: "Find Studies", "About Studies", "Submit Studies", "Resources", and "About Site". A blue banner states: "ClinicalTrials.gov is a database of privately and publicly funded clinical studies conducted around the world." Below this, it says "Explore 276,714 research studies in all 50 states and in 204 countries." and "ClinicalTrials.gov is a resource provided by the U.S. National Library of Medicine." There is an "IMPORTANT" notice about study evaluation. On the right, there is a "Find a study" search box with fields for "Status" (radio buttons for "Recruiting and not yet recruiting studies" and "All studies"), "Condition or disease" (text input), and "Other terms" (text input).



This reference is used in “Technology” section.

Note

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