

Introduction

In order to provide the possibility of comparing the statistical data of Iran with some countries of the world, the chapter of International Statistics has been created in this Yearbook.

To prepare the statistics of this Chapter, the Statistical Yearbooks of the United Nations on population, the human development report and the statistical yearbook of Oil Exporting Countries (OPEC) have been used.

The first table of the chapter shows the world's population projection by major areas and continent for the mid-year 2022, 2023 and the period of 2030 to 2100. Table 2 shows the information about the population estimate, population density, age distribution of population, and urbanization rate for some selected world countries. Table 3 represents the crude birth and death rate in some selected countries. In Table 4, the information related to the Human Development Index is presented for some selected world countries.

Due to the significant role of oil and gas in the economy of the country in terms of energy production, the information provided in this connection among OPEC member countries claims a larger share than other sections of this chapter. Explaining the following points is necessary for the presented statistics.

1. Since figures displayed in this chapter have been extracted from the United Nations Statistical Yearbook or other international sources, data for Iran may not always agree with the same figures shown in other chapters.
2. Gabon which has left OPEC since 1995, rejoined OPEC in 2016.
3. Angola and Ecuador have joined the Organization of the Petroleum Exporting Countries

(OPEC). since 2007. It should be noted that Ecuador has left

the OPEC member countries since January 1, 2020. 4. Since 2010, the components used for calculating the Human Development Index (HDI) has changed based on the international recommendation according to the Table 24.4.

5. It should be mentioned that changes in the figures of the indicator are due to revision made in the new HDR ⁽¹⁾. It should be noted that based on the classifications used by the UN, countries are classified into the following different groups in terms of the latest UN HDR publication:

Countries with HDI 0.80 to 1 are considered countries with very high HDI, countries with HDI 0.70 to 0.79 are regarded as countries with high HDI, countries with HDI 0.55 to 0.69 are taken as countries with medium HDI and countries with HDI less than 0.54 account for countries with low HDI.

It is worth mentioning that this classification differs in the UN publications in various years.

6. Since the year 1399, the pattern and content of the tables have changed in the OPEC Annual Statistical Bulletin (2021), in the current yearbook, the tables have been developed with the new pattern and content.

Definitions and concepts

Birth and death rates (Crude birth and death rate): This refers to the annual number of births and deaths per 1,000 total population. These rates are usually presented as "crude rates" since they do not take a population's age structure into account. Thus, crude death rates in more developed countries with a relatively large portion of the high-mortality

1. Human Development Report

of the older population are often higher than those in less developed countries with lower life expectancy.

Human Development Index (HDI)⁽²⁾: This is a composite index measuring average achievement in three basic dimensions of human development—a long and healthy life, knowledge and a decent standard of living.

Human Development Index ranking for 2020: This ranking is based on ranking by HDI value for 2020, calculated using the same most recently revised data available in 2022 that were used to calculate HDI values for 2020.

Life expectancy at birth: This is the number of years a newborn infant could expect to live if prevailing patterns of age-specific mortality rates at the time of birth stay the same throughout the infant's life.

Mean years of schooling: This refers to the average number of years of education received by people ages 25 and older, converted from education attainment levels using official durations of each level

Expected years of schooling: They are the number of years of schooling that a child of school entrance age can expect to receive if prevailing patterns of age-specific enrolment rates persist throughout the child's life.

Gross national income (GNI)⁽²⁾ per capita: This is the aggregate income of an economy generated by its production and its ownership of factors of production, less the incomes paid for the use of factors of production owned by the rest of the world, converted to international dollars using PPP rates, divided by midyear population.

Proven reserves: This refers to an estimated quantity of all hydrocarbons, statistically defined as crude oil or natural gas, which is according to geological and engineering data recoverable with reasonable certainty from known reservoirs under existing economic and technological conditions.

Crude oil: This is a mixture of hydrocarbons that exists in a liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after coming to the surface. Production volumes reported as crude oil include:

- a) Liquids technically defined as crude oil;
- b) Small amounts of hydrocarbons that exist in the gaseous phase in natural underground reservoirs, but turn liquid at atmospheric pressure after being recovered from oil well;
- c) Small amounts of non-hydrocarbons, produced with oil.

Natural gas: This refers to a mixture of hydrocarbon compounds and small quantities of various non-hydrocarbons existing in the gaseous phase or in solution with oil in natural underground reservoirs.

Gross products: This is the total flow of natural gas from oil and gas reservoirs of the non-dissolved associated and non-associated gas.

Petroleum products: They refer to products obtained from refining crude oil, unsaturated oil products, NGLs, and other hydrocarbon compounds. These include aviation gasoline, motor gasoline, naphtha, kerosene, jet fuel, distillate fuel oil, residual fuel oil, liquefied petroleum gas, lubricants, paraffin wax, petroleum coke, asphalt and other products.

Consumption of refined oil products: This refers to the consumption of products delivered across the nation, including oil products, fuels used by refineries and waste materials, and products from gas complexes, except fuels for vessels.

Marketed natural gas production: It is equal to the volume of natural gas gross production, minus the volumes of gas flared, volumes of gas wasted, injected into fields, and shrank. Consequently, it is the process of gas transformation and purification

² .Gross National Income.

4. Purchasing Power Parity.

for the extraction of natural gas liquids.

Organisation for Economic Co-operation and Development (OECD): The OECD is an international organisation that works to build better policies for better lives. Its goal is to shape policies that foster prosperity, equality, opportunity and well-being for all. It draws on 60 years of experience and insights to better prepare the world of tomorrow. Together with governments, policy makers and citizens, it works on establishing evidence-based international standards and finding solutions to a range of social, economic and environmental challenges. From improving economic performance and creating jobs to fostering strong education and fighting international tax evasion, it provides a unique forum and knowledge hub for data and analysis, exchange of experiences, best-practice sharing, and advice on public policies and international standard-setting.

Selected information

Estimation shows that the population of the world in 2100 will be 10349 million persons. Asia and Africa with 4674 and 3924 million people will have the highest population, respectively.

In 2019, 2020, and 2021, Iran's HDIs were 0.783, 0.777, and 0.774, respectively. Iran ranked 76th among the world countries in 2020. It is necessary to mention that Iran also ranked 77th in 2020.

In 2021, Iranian life expectancy at birth was 73.9 years.

According to the statistics released by OPEC, Iranian crude oil production in 2021 was 2392 thousand barrels per day. Iran has ranked fifth among 13 OPEC member countries. Saudi Arabia with an average production of 9125 thousand barrels, Iraq with a production of 3971 thousand barrels per day, United Arab Emirates with an average production of 2718 thousand barrels per day, and Kuwait with an average production of 2415 thousand barrels per day are ranked first second, third and fourth among the world's oil-producing countries, respectively.

According to the cited statistics, Iran ranked eighth among OPEC oil-exporting countries in 2021 by 763 thousand barrels per day production. In addition, supplying more than 257 billion cubic meters of natural gas to the market, made Iran the largest gas supplier in OPEC.

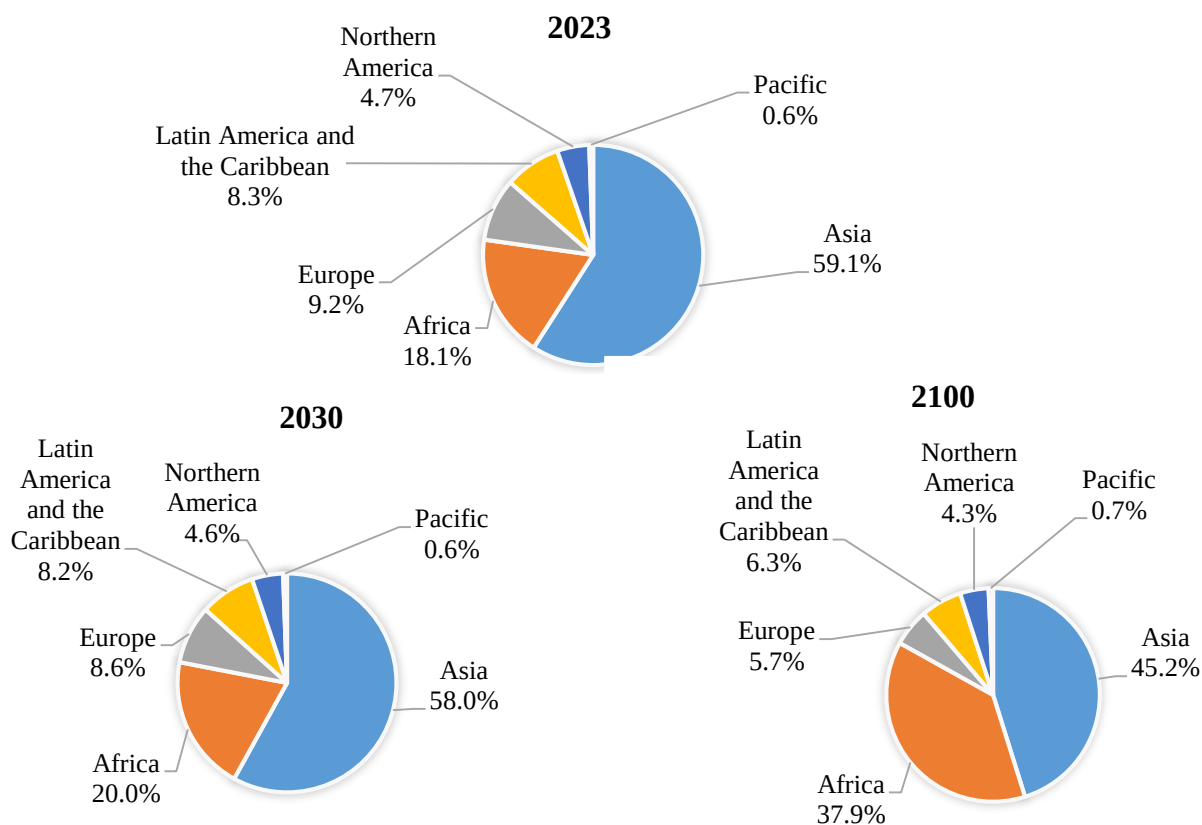
24.1. THE WORLD POPULATION AND ITS PROJECTION BY REGION⁽¹⁾**(mln people)**

World and region	2022	2023	2030 ⁽²⁾	2050 ⁽²⁾	2100 ⁽²⁾
World	7975	8045	8546	9709	10349
Asia	4723	4753	4959	5293	4674
Africa	1427	1460	1711	2485	3924
Europe	744	742	737	703	587
Latin America and the Caribbean	660	665	698	749	647
Northern America	377	379	393	421	448
Pacific	45	46	49	58	69

1. Midyear figures.

2. Revised figures

Source: United Nations.

24.1. THE WORLD POPULATION AND ITS PROJECTION BY REGION

For data see Table 24.1.

24.2. SOME POPULATION INDICATOES BY WORLD SELECTED COUNTRIES

Region and country	2022				2021
	Estimated population (million persons) ^(1,2)	Population age distribution(%0)		Population density (person per sq. km)	Percentage of urbanization ⁽³⁾
		Population aged 0-14	Population aged over 60		
Asia					
Azerbaijan, Republic ⁽⁴⁾	10.36	23.5	12.5	125.3	53
Jordan	11.29	32.1	6.3	127.1	90
Armenia.....	2.78	20.5	20.3	97.7	64
Uzbekistan.....	34.63	30.2	8.6	81.4	50
Afghanistan	41.13	43.1	3.8	63.3	26
United Arab Emirates.....	9.44	15.2	3.5	132.9	87
Indonesia	275.5	25.2	10.9	144.2	57
Iran (Islamic Republic of)	88.55	23.6	11.6	54.4	76
Bahrain	1.47	20.2	6.9	1880.2	90
Bangladesh	171.19	26.0	9.3	1315.1	39
Pakistan	235.82	36.6	6.8	305.9	37
Tajikistan.....	9.95	36.3	6.2	69.6	28
Thailand	71.70	15.5	22.0	140.3	59
Turkmenistan	6.43	31.1	8.8	13.7	53
Turkey	85.34	23.2	12.7	110.9	77
China ⁽⁵⁾	1425.89	17.2	18.6	148.5	65
Japan	123.95	11.6	35.8	328.9	92
Singapore	5.98	11.8	23.0	8749.2	100
Syria, Arab Republic.....	22.13	31.4	7.2	120.4	56
Iraq	44.50	37.7	5.1	102.5	71
Saudi Arabia.....	36.41	25.9	5.3	16.9	85
Oman	4.58	27.0	4.5	14.8	87
Palestine ⁽⁶⁾	5.25	38.8	5.5	872.1	77
Philippine	115.56	30.3	8.6	385.2	48
Kyrgyzstan	6.63	34.4	7.9	34.6	37
Kazakhstan.....	19.40	29.7	12.8	7.2	58
Qatar.....	2.70	15.8	3.3	232.6	99
Republic of Korea	51.82	11.6	25.5	523.7	81
Kuwait.....	4.27	20.7	9.3	239.6	100
Georgia ⁽⁷⁾	3.74	21.3	21.0	53.9	59
Lebanon.....	5.49	27.4	14.4	536.6	89
Malaysia ⁽⁸⁾	33.94	22.7	11.4	103.3	75
India	1417.17	25.3	10.5	476.7	35
Yemen	33.70	39.5	4.1	63.8	39

24.2. SOME POPULATION INDICATORS BY WORLD SELECTED COUNTRIES (continued)

Region and country	2022				2021
	Estimated population (million persons) ^(1,2)	Population age distribution(%0)		Population density (person per sq. km)	Percentage of urbanization ⁽³⁾
		Population aged 0-14	Population aged over 60		
<i>Africa</i>					
South Africa	59.89	28.6	8.7	49.1	68
Algeria.....	44.90	30.6	9.7	18.9	74
Burkina Faso	22.67	43.7	4.1	82.9	31
Tunisia.....	12.36	24.8	13.7	79.5	70
Zimbabwe.....	16.32	40.6	4.8	42.2	32
Sudan.....	46.87	40.9	5.5	26.6	36
Cameroon	27.91	42.2	4.2	59.9	58
Democratic Republic of the Congo....	99.01	46.5	4.6	43.7	46
Libyan Arab Jamahiriya.....	6.81	28.3	7.7	4.1	81
Morocco	37.46	26.6	11.9	83.9	64
Egypt	110.99	32.9	7.7	111.5	44
Nigeria.....	218.54	43.0	4.7	240.0	53
<i>South America</i>					
Argentina.....	45.51	23.1	16.2	16.3	92
Brazil.....	215.31	20.3	14.6	25.8	87
Peru	34.05	26.0	1.0	26.6	79
Chile	19.60	18.3	18.3	26.0	88
Venezuela.....	28.30	27.6	12.9	30.9	88
<i>North America</i>					
USA ⁽⁹⁾	338.29	18.0	23.4	37.0	83
Canada.....	38.45	15.6	25.9	4.20	82
<i>Latin America and the Caribbean</i>					
Cuba	11.21	15.7	22.0	105.0	77
Mexico	127.50	24.5	12.2	65.1	81
<i>Europe</i>					
Germany.....	83.37	14.0	29.7	239.2	78
Austria.....	8.94	14.4	26.7	108.3	59
Spain ⁽¹⁰⁾	47.56	13.8	26.8	94.7	81
Ukraine ⁽¹¹⁾	39.70	15.4	26.5	68.5	70
Italy	59.04	12.4	31.0	199.5	71
Ireland	5.02	19.6	20.5	73.5	64
Belgium.....	11.66	16.5	26.2	385.0	98
Bulgaria.....	6.78	14.0	29.2	62.6	73
Bosnia and Herzegovina	3.23	14.9	25.8	63.2	49
UK ⁽¹²⁾	67.51	17.5	25.2	278.1	84

24.2. SOME POPULATION INDICATORS BY WORLD SELECTED COUNTRIES (continued)

Region and country	2022				2021
	Estimated population (million persons) ^(1,2)	Population age distribution(%0)		Population density (population per sq km)	Percentage of urbanization ⁽³⁾
		Population aged 0-14	Population aged over 60		
Portugal	10.27	13.2	29.7	111.7	67
Denmark ⁽¹³⁾	5.88	16.1	26.5	138.8	88
Romania	144.71	17.7	22.8	8.8	75
Sweden	19.66	15.9	24.5	85.4	54
Switzerland.....	10.55	17.6	25.7	25.9	88
Russian Federation.....	8.74	15.0	25.7	218.6	74
France ⁽¹⁴⁾	64.63	17.2	27.8	117.2	81
Finland ⁽¹⁵⁾	5.54	15.2	29.7	18.3	87
Poland	39.86	15.2	25.0	130.2	60
Hungary.....	9.97	14.4	25.8	110.1	72
Norway ⁽¹⁶⁾	5.43	16.7	24.2	17.9	82
Netherland ⁽¹⁷⁾	17.56	15.4	27.0	521.6	93
Greece	10.39	13.9	29.4	79.4	80
Pacific					
Australia ⁽¹⁸⁾	26.18	18.2	22.6	3.4	86
New Zealand ⁽¹⁹⁾	5.19	18.7	22.2	19.6	87

1 Mid-year figures

2. Projected estimate (medium fertility variant)

3. Including Nagorno-Karabakh.

4. The figures of the indicators are extracted from the 2022 World Population Data Sheet publication of the Population Reference Bureau, and the footnotes of the countries do not include this indicator.

5. For statistical purposes, the data for China do not include Hong Kong and Macao, Special Administrative Regions (SAR) of China and Taiwan Province of China

6. Including Eastern Jerusalem

7. Including Abkhazia and South Ossetia

8 Including Sabah and Sarawak.

9. For statistical purposes, the data for the United States do not include Samoa, Guam, the Northern Mariana Islands, Puerto Rico, and the US Virgin Islands.

10. Including Canary Islands, Ceuta and Melilla.

11. Including Crimea Peninsula.

12. Refers to the United Kingdom of Great Britain and Northern Ireland. For statistical purposes, the data for United Kingdom do not include Anguilla, Bermuda, British Virgin Islands, Cayman Islands, Channel Islands, Falkland Islands (Malvinas), Gibraltar, Isle of Man, Montserrat, Saint Helena, Turks and Caicos Islands.

13. For statistical purposes, the data for Denmark do not include Faroe Islands, and Greenland.

14. For statistical purposes, the data for France do not include French Guiana, French Polynesia, Guadeloupe, Martinique, Mayotte, New Caledonia, Réunion, Saint Pierre and Miquelon, Saint Barthélemy, Saint Martin (French part), Wallis and Futuna Islands.

15. Including Aland Islands.

16. Including Svalbard and Jan Mayen Islands.

17. For statistical purposes, the data for Netherlands do not include Aruba, Bonaire, Sint Eustatius and Saba, Curaçao, and Sint Maarten (Dutch part).

18. Including Christmas Island, Cocos (Keeling) Islands and Norfolk Island.

19. For statistical purposes, the data for New Zealand do not include Cook Islands, Niue, and Tokelau.

Source: Population Reference Bureau.

24.3. CRUDE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2021

Region and country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths rate of infants under one year of age ⁽¹⁾ (per 1000 live births)
Asia	15	7	23
Azerbaijan, Republic.....	13	8	10
Jordan.....	18	6	17
Armenia.....	12	12	7
Uzbekistan.....	26	5	9
Afghanistan.....	36	7	45
United Arab Emirates.....	10	2	5
Indonesia.....	16	10	18
Iran (Islamic Republic of).....	14	6	11
Bahrain.....	12	2	6
Bangladesh.....	18	6	23
Pakistan.....	28	7	52
Tajikistan.....	27	5	27
Thailand.....	10	8	6
Turkmenistan.....	22	7	35
Turkey.....	13	6	8
China.....	8	7	6
Japan.....	7	12	1.7
Singapore.....	9	6	1.8
Syrian Arab Rep.....	20	5	18
Iraq.....	27	5	20
Saudi Arabia.....	17	3	6
Oman.....	19	2	8
Occupied Palestine.....	29	4	12
Philippines.....	22	7	21
Kyrgyzstan.....	24	6	14
Kazakhstan.....	23	10	8
Qatar.....	10	1	5
Korea, Rep. of.....	5	6	2.5
Kuwait.....	12	2	7
Georgia.....	12	16	9
Lebanon.....	15	8	6
Malaysia.....	14	5	6
India.....	20	6	28
Yemen.....	30	7	47
Africa	33	9	47
South Africa.....	20	12	25
Algeria.....	22	5	19
Burkina Faso.....	35	9	47
Tunisia.....	16	8	14
Zimbabwe.....	31	9	37
Sudan.....	34	7	39
Cameroon.....	35	9	48
Congo, D. Rep. of.....	42	10	52
Libyan Arab Jamahiriya.....	17	6	9

24.3. CRUDE BIRTH, DEATH RATES AND INFANT MORTALITY RATES BY SELECTED COUNTRIES, 2021 (continued)

Region and country	Crude birth rate (per 1000 population)	Crude death rate (per 1000 population)	Deaths of infants rate under one year of age ⁽¹⁾ (per 1000 live births)
Morocco	17	5.0	15
Egypt	21	7.0	16
Nigeria.....	37	12	72
South America.....	14	8.0	14
Argentina.....	14	9.0	9.3
Brazil.....	13	7.0	14
Peru	17	12	15
Chile.....	11	6.0	6.5
Venezuela.....	16	8.0	16
North America	11	10	5.0
USA.....	11	10	5.4
Canada.....	10	8.0	4.5
Latin America and the Caribbean.....	15	8.0	14
Cuba	9	15	7.6
Mexico	15	9.0	11
Europe	9	13	4.0
Germany.....	10	12	3.0
Austria.....	10	10	2.7
Spain	7	9.0	2.5
Ukraine.....	7	17	6.6
Italy	7	12	2.8
Ireland	12	7.0	3.1
Belgium.....	10	10	2.9
Bulgaria.....	9	22	5.6
Bosnia-Herzegovina.....	7	14	4.0
U.K.....	10	10	4.0
Portugal	8	12	2.4
Denmark.....	11	10	3.1
Romania	10	15	4.5
Sweden.....	9	17	5.6
Switzerland.....	11	9.0	1.8
Russian Federation.....	10	8.0	3.6
France.....	11	10	3.4
Finland	9	10	1.8
Poland	9	14	3.6
Hungary.....	9	15	3.3
Norway.....	10	8.0	1.9
Netherlands	10	9.0	3.8
Greece.	8	12	3.2
Pacific.....	16	7.0	15
Australia.. ..	12	7.0	3.2
New Zealand	11	7.0	4.7

1. Figures with decimals indicate national statistics reported as completely registered, while those with no decimals are estimates from the sources cited.

Source: Population Reference Bureau.

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES

Region and country	2021			
	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita (constant 2017 PP\$)
Asia				
Azerbaijan, Republic.....	69.4	13.5	10.5	14257
Jordan.....	74.3	10.6	10.4	9924
Armenia.....	72.0	13.1	11.3	13158
Uzbekistan.....	70.9	12.5	11.9	7917
Afghanistan.....	62.0	10.3 ⁽³⁾	3.0	1824
United Arab Emirates.....	78.7	15.7	12.7	62574
Indonesia.....	67.6	13.7 ⁽³⁾	8.6	11466
Iran (Islamic Republic of)...	73.9	14.6	10.6 ⁽³⁾	13001
Bahrain.....	78.8	16.3	11.0	39497
Bangladesh.....	72.4	12.4	7.4	5472
Pakistan.....	66.1	8.7	4.5	4624
Tajikistan.....	71.6	11.7 ⁽³⁾	11.3 ⁽⁴⁾	4548
Thailand.....	78.7	15.9 ⁽⁵⁾	8.7	17030
Turkmenistan.....	69.3	13.2	11.3	13021
Turkey.....	76.0	18.3 ⁽⁶⁾	8.6	31033
China.....	78.2	14.2 ⁽³⁾	7.6 ⁽⁴⁾	17504
Japan.....	84.8	15.2 ⁽³⁾	13.4	42274
Singapore.....	82.8	16.5	11.9	90919 ⁽⁷⁾
Syrian Arab Republic.....	72.1	9.2	5.1 ⁽⁸⁾	4192 ⁽⁹⁾
Iraq.....	70.4	12.1	7.9	9977
Saudi Arabia.....	76.9	16.1	11.3	46112
Oman.....	72.5	14.6	11.7	27054
Occupied Palestine.....	73.5	13.4	9.9	6583
Philippines.....	69.3	13.1	9.0	8920
Kyrgyzstan.....	70.0	13.2	11.4 ⁽⁴⁾	4566
Kazakhstan.....	69.4	15.8	12.3 ⁽³⁾	23943
Qatar.....	79.3	12.6	10.0 ⁽³⁾	87134 ⁽⁷⁾
Korea (Republic of).....	83.7	16.5	12.5 ⁽³⁾	44501
Kuwait.....	78.7	15.3 ⁽³⁾	7.3 ⁽³⁾	52920
Georgia.....	71.7	15.6	12.8	14664
Lebanon.....	75.0	11.3 ⁽¹⁰⁾	8.7 ⁽⁸⁾	9526
Malaysia.....	74.9	13.3	10.6	26658
India.....	67.2	11.9	6.7 ⁽⁴⁾	6590
Yemen.....	63.8	9.1	3.2 ⁽¹¹⁾	1314
Africa				
South Africa.....	62.3	13.6	11.4	12948
Algeria.....	76.4	14.6 ⁽⁵⁾	8.1 ⁽³⁾	10800
Burkina Faso.....	59.3	9.1	2.1	2118
Tunisia.....	73.8	15.4 ⁽³⁾	7.4 ⁽³⁾	10258
Zimbabwe.....	59.3	12.1 ⁽³⁾	8.7 ⁽³⁾	3810
Sudan.....	65.3	7.9 ⁽³⁾	3.8	3575
Cameroon.....	60.3	13.1 ⁽³⁾	6.2 ⁽⁴⁾	3621
Congo, D. Rep. of.....	59.2	9.8	7.0	1076
Libyan ,Arab Republic.....	71.9	12.9 ⁽⁸⁾	7.6 ⁽¹²⁾	15336

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Human development index ⁽¹⁾					Human development index rank 2020	Human development index rank 2021
	2017 ⁽²⁾	2018	2019	2020	2021		
Asia							
Azerbaijan, Republic.....	0.759	0.757	0.761	0.730	0.745	100	91
Jordan.....	0.726	0.723	0.727	0.723	0.720	104	102
Armenia.....	0.769	0.771	0.778	0.757	0.759	87	85
Uzbekistan.....	0.713	0.720	0.726	0.721	0.727	107	101
Afghanistan.....	0.506	0.483	0.488	0.483	0.478	177	180
United Arab Emirates.....	0.881	0.909	0.920	0.912	0.911	25	26
Indonesia.....	0.707	0.710	0.716	0.709	0.705	116	114
Iran (Islamic Republic of).....	0.787	0.787	0.783	0.777	0.774	77	76
Bahrain.....	0.854	0.879	0.882	0.877	0.875	35	35
Bangladesh.....	0.616	0.635	0.644	0.655	0.661	128	129
Pakistan.....	0.550	0.545	0.546	0.543	0.544	161	161
Tajikistan.....	0.657	0.671	0.676	0.664	0.685	126	122
Thailand.....	0.796	0.795	0.804	0.802	0.800	64	66
Turkmenistan.....	0.701	0.746	0.742	0.741	0.745	93	91
Turkey.....	0.814	0.839	0.842	0.833	0.838	48	48
China.....	0.750	0.755	0.762	0.764	0.768	82	79
Japan.....	0.915	0.923	0.924	0.923	0.925	19	19
Singapore.....	0.933	0.940	0.943	0.939	0.939	10	12
Syrian Arab Republic.....	0.564	0.580	0.584	0.577	0.577	152	150
Iraq.....	0.667	0.692	0.696	0.679	0.686	122	121
Saudi Arabia.....	0.852	0.865	0.873	0.870	0.875	38	35
Oman.....	0.819	0.834	0.839	0.827	0.816	51	54
Occupied Palestine.....	0.706	0.723	0.727	0.716	0.715	109	106
Philippines.....	0.708	0.710	0.718	0.710	0.699	113	116
Kyrgyzstan.....	0.694	0.698	0.698	0.689	0.692	121	118
Kazakhstan.....	0.815	0.814	0.819	0.814	0.811	59	56
Qatar.....	0.848	0.853	0.859	0.854	0.855	42	42
Korea (Republic of).....	0.912	0.919	0.923	0.922	0.925	20	19
Kuwait.....	0.805	0.836	0.839	0.822	0.831	54	50
Georgia.....	0.799	0.804	0.810	0.802	0.802	64	63
Lebanon.....	0.748	0.750	0.745	0.726	0.706	103	112
Malaysia.....	0.805	0.807	0.810	0.806	0.803	61	62
India.....	0.640	0.645	0.645	0.642	0.633	130	132
Yemen.....	0.467	0.459	0.461	0.460	0.455	183	183
Africa							
South Africa.....	0.705	0.726	0.736	0.727	0.713	102	109
Algeria.....	0.745	0.745	0.748	0.736	0.745	96	91
Burkina Faso.....	0.439	0.449	0.452	0.449	0.449	185	184
Tunisia.....	0.734	0.743	0.745	0.737	0.731	94	97
Zimbabwe.....	0.563	0.602	0.601	0.600	0.593	145	146
Sudan.....	0.509	0.514	0.514	0.510	0.508	171	172
Cameroon.....	0.557	0.577	0.583	0.578	0.576	150	151
Congo, D. Rep. of.....	0.478	0.480	0.482	0.479	0.479	180	179
Libyan Arab Jamahiriya.....	0.714	0.722	0.722	0.703	0.718	117	104

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	2021			
	Life expectancy at birth	Expected years of schooling	Mean years of schooling	Gross National Income (GNI) per capita (constant 2017 PPP\$)
Morocco	74.0	14.2	5.9	7303
Egypt	70.2	13.8 ⁽³⁾	9.6 ⁽³⁾	11732
Nigeria.....	52.7	10.1 ⁽¹³⁾	7.2 ⁽¹⁴⁾	4790
South America				
Argentina.....	75.4	17.9	11.1 ⁽³⁾	20925
Brazil.....	72.8	15.6	8.1 ⁽³⁾	14370
Peru	72.4	15.4 ⁽³⁾	9.9 ⁽³⁾	12246
Chile	78.9	16.7	10.9 ⁽³⁾	24563
Venezuela.....	70.6	12.8 ⁽¹⁰⁾	11.1 ⁽³⁾	4811 ⁽¹⁵⁾
North America				
USA.....	77.2	16.3	13.7	64765
Canada.....	82.7	16.4	13.8 ⁽³⁾	46808
Latin America and the Caribbean				
Cuba	73.7	14.4	12.5 ⁽³⁾	7879 ⁽¹⁶⁾
Mexico	70.2	14.9	9.2	17896
Europe				
Germany.....	80.6	17.0	14.1 ⁽³⁾	54534
Austria.....	81.6	16.0	12.3	53619
Spain	83.0	17.9	10.6	38354
Ukraine.....	71.6	15.0	11.1	13256
Italy	82.9	16.2	10.7	42840
Ireland	82.0	18.9 ⁽⁶⁾	11.6 ⁽³⁾	76169 ⁽⁷⁾
Belgium.....	81.9	19.6 ⁽⁶⁾	12.4	52293
Bulgaria.....	71.8	13.9	11.4	23079
Bosnia-Herzegovina.....	75.3	13.8 ⁽¹⁷⁾	10.5	15242
U.K.....	80.7	17.3	13.4	45225
Portugal	81.0	16.9	9.6	33155
Denmark.....	81.4	18.7 ⁽⁶⁾	13.0	60365
Romania	74.2	14.2	11.3	30027
Sweden.....	83.0	19.4 ⁽⁶⁾	12.6	54489
Switzerland.....	84.0	16.5	13.9	66933
Russian Federation.....	69.4	15.8	12.8	27166
France.....	82.5	15.8	11.6	45937
Finland	82.0	19.1 ⁽⁶⁾	12.9	49452
Poland.	76.5	16.0	13.2	33034
Hungary.....	74.5	15.0 ⁽³⁾	12.2	32789
Norway.....	83.2	18.2 ⁽⁶⁾	13.0	64660
Netherlands	81.7	18.7 ^(3,6)	12.6	55979
Greece	80.1	20.0 ⁽⁶⁾	11.4	29002
Pacific				
Australia.....	84.5	21.1 ⁽⁶⁾	12.7	49238
New Zealand	82.5	20.3	12.9	44057

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Human development index ⁽¹⁾					Human development index rank 2020	Human development index rank 2021
	2017 ⁽²⁾	2018	2019	2020	2021		
Morocco	0.673	0.676	0.682	0.679	0.683	122	123
Egypt	0.698	0.729	0.735	0.734	0.731	97	97
Nigeria.....	0.531	0.531	0.538	0.535	0.535	163	163
<i>South America</i>							
Argentina.....	0.843	0.850	0.852	0.840	0.842	47	47
Brazil.....	0.761	0.764	0.766	0.758	0.754	86	87
Peru	0.767	0.776	0.780	0.762	0.762	85	84
Chile	0.847	0.856	0.861	0.852	0.855	43	42
Venezuela.....	0.743	0.738	0.721	0.695	0.691	118	120
<i>North America</i>							
USA.....	0.924	0.927	0.930	0.920	0.921	21	21
Canada.....	0.926	0.933	0.937	0.931	0.936	15	15
<i>Latin America and the Caribbean</i>							
Cuba	0.777	0.783	0.788	0.781	0.764	73	83
Mexico	0.771	0.777	0.779	0.756	0.758	88	86
<i>Europe</i>							
Germany.....	0.943	0.945	0.948	0.944	0.942	7	9
Austria.....	0.919	0.917	0.919	0.913	0.916	23	25
Spain	0.903	0.901	0.908	0.899	0.905	27	27
Ukraine.....	0.771	0.783	0.786	0.775	0.773	78	77
Italy	0.886	0.893	0.897	0.889	0.895	32	30
Ireland.	0.947	0.937	0.942	0.943	0.945	8	8
Belgium.....	0.929	0.933	0.936	0.928	0.937	16	13
Bulgaria.....	0.811	0.809	0.810	0.802	0.795	64	68
Bosnia-Herzegovina.....	0.774	0.776	0.783	0.781	0.780	73	74
U.K.....	0.926	0.929	0.935	0.924	0.929	17	18
Portugal	0.858	0.860	0.867	0.863	0.866	39	38
Denmark.....	0.936	0.942	0.946	0.947	0.948	5	6

24.4. HUMAN DEVELOPMENT INDEX IN SELECTED COUNTRIES (continued)

Region and country	Human development index ⁽¹⁾					Human development index rank 2020	Human development index rank 2021
	2017 ⁽²⁾	2018	2019	2020	2021		
Romania	0.821	0.827	0.832	0.824	0.821	53	53
Sweden	0.942	0.942	0.947	0.942	0.947	9	7
Switzerland.....	0.949	0.959	0.962	0.956	0.962	3	1
Russian Federation.....	0.820	0.841	0.845	0.830	0.822	49	52
France.....	0.771	0.901	0.905	0.898	0.903	28	28
Finland	0.935	0.936	0.939	0.938	0.940	12	11
Poland	0.873	0.877	0.881	0.876	0.876	36	34
Hungary.....	0.846	0.849	0.853	0.849	0.846	44	46
Norway	0.954	0.962	0.961	0.959	0.961	1	2
Netherlands	0.939	0.939	0.943	0.939	0.941	10	10
Greece.	0.879	0.886	0.889	0.886	0.887	33	33
Pacific							
Australia.....	0.941	0.941	0.941	0.947	0.951	5	5
New Zealand	0.926	0.936	0.937	0.936	0.937	13	13

1. The figures of the previous years are revised according to the publication "HDI" every year

2. The figures for 2017 are from the 2020 HDI Publication..

3. Updated by HDRO based on data from UNESCO Institute for Statistics (2022).

4. Updated by HDRO based on data from Barro and Lee (2018) and UNESCO Institute for Statistics (2022).

5. Updated by HDRO based on data from UNESCO Institute for Statistics (2022) and United Nations Children's Fund (UNICEF) Multiple Indicator Cluster Surveys for various years.

6. In calculating the HDI value, expected years of schooling is capped at 18 years.

7. In calculating the HDI value, GNI per capita is capped at \$75,000.

8. Based on cross-country regression.

9. HDRO estimate based on data from UNDESA (2022), United Nations Statistics Division (2022) and World Bank (2022).

10. Updated by HDRO based on data from the United Nations Educational, Scientific and Cultural Organization Institute for Statistics for various years.

11. Based on projections from Barro and Lee (2018).

12. Updated by HDRO using projections from Barro and Lee (2018).

13. Updated by HDRO based on data from ICF Macro Demographic and Health Surveys for various years and UNESCO Institute for Statistics (2022).

14. Updated by HDRO based on data from ICF Macro Demographic and Health Surveys for various years.

15. IMF (2021) and UNDESA (2022).

16. HDRO estimate based on cross-country regression and the projected growth rate from UNDESA (2022)

17. Based on data from the national statistical office.

Source: United Nations.

24.5. WORLD PROVEN CRUDE OIL RESERVES BY REGION AND COUNTRY⁽¹⁾ (mln barrels)

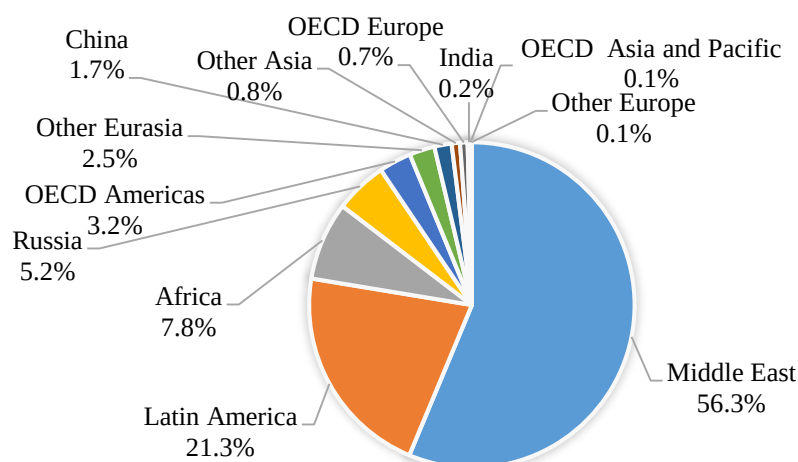
Region and country	2017 ⁽²⁾	2018 ⁽²⁾	2019 ⁽²⁾	2020 ⁽²⁾	2021
Total World.....	1491327	1494742	1554497	1545430	1545071
OECD Americas	51270	54973	54580	46488	49605
OECD Europe	12454	13098	13224	12412	11552
OECD Asia and Pacific....	2493	2483	2477	2475	1833
China	25627	25927	26154	26023	26491
India	4495	4423	4423	4605	3670
Other Asia	13583	13415	13577	12841	12829
Latin America	329283	330461	331628	330719	329481
Middle East	804639	803184	863418	865519	869612
Africa	127677	126972	125228	124560	120210
Russia.....	80000	80000	80000	80000	80000
Other Eurasia.....	38874	38874	38874	38874	38874
Other Europe	932	932	914	914	914
Total world of which:					
OPEC	1183674	1182528	1241281	1242377	1241819
OPEC percentage	79.4	79.1	79.9	80.4	80.4
OECD.....	66217	70554	70281	61375	62990

1. Figures as at year-end.

2. Some figures were revised.

3. The American countries in the Organization for Economic Development and Cooperation (OECD) include Canada, Chile, Mexico, and the United States, and the data excludes Canada's oil sands.

Source: OPEC.

24.2. WORLD PROVEN CRUDE OIL RESERVES BY REGION AND COUNTRIES, 2021

For data see Table 24.5.

24.6. WORLD CRUDE OIL PRODUCTION BY REGION AND COUNTRY⁽¹⁾ (1000 barrels per day)

Region and country	2017 ⁽²⁾	2018 ⁽²⁾	2019 ⁽²⁾	2020 ⁽²⁾	2021
Total World.....	74464	75625	75243	69118	69640
OECD Americas	12521	14026	15275	14146	14048
OECD Europe	2875	2862	2775	2969	2902
OECD Asia and Pacific....	298	311	389	377	357
China	3821	3787	3825	3889	3988
India	720	696	655	616	599
Other Asia	2094	1997	1927	1769	1650
Latin America	4730	4697	4948	4967	4939
Middle East	1731	1723	1689	1626	1627
Africa	1226	1248	1252	1184	1105
Russia.....	10207	10383	10480	9460	9619
Other Eurasia.....	2478	2560	2533	2342	2334
Other Europe	122	119	119	114	109
Total world of which:					
OPEC ⁽³⁾	31639	31216	29377	25659	26363
OPEC percentage	42.5	41.3	39.0	37.1	37.9
OECD.....	15694	17199	18438	17492	17307

1. OPEC Member Countries are not included in the regional totals.

2. Some figures were revised.

3. The oil production of Kuwait and Saudi Arabia, members of OPEC, includes the share of production from the neutral zone. Moreover, the time-series of Nigeria's oil production from OPEC members before 2020 includes some lease condensates and condensates from gas facilities of that country.

Source: OPEC.

24.7. WORLD CRUDE OIL EXPORTS⁽¹⁾ BY REGION AND COUNTRY (1000 barrels per day)

Region and country	2017	2018	2019 ⁽²⁾	2020 ⁽²⁾	2021
Total World.....	44699	45925	45250	42027	41228
OECD Americas	5315	6509	7539	7551	7266
OECD Europe	2195	2168	2144	2277	2232
OECD Asia and Pacific....	206	236	271	271	267
China	97	52	16	33	53
India	0	0	0	0	0
Other Asia	952	839	647	614	551
Latin America	3822	3469	3290	3021	2803
Middle East	18757	18917	17590	16264	16041
Africa	6226	6436	6454	5372	5617
Russia.....	5058	5207	5241	4617	4510
Other Eurasia.....	2061	2080	2041	1994	1877
Other Europe	11	12	16	14	11
Total world of which:					
OPEC	24267	24274	22478	19701	19656
OPEC percentage	54.3	52.9	49.7	46.9	47.7
OECD.....	7716	8913	9954	10099	9766

1. Data may include lease condensates and volumes of oil in transit.

2. Some figures were revised.

Source: OPEC.

24.8. CRUDE OIL PRODUCTION BY OPEC MEMBERS**(1000 barrels per day)**

Country	2005	2010	2015	2017	2018 ⁽¹⁾	2019 ⁽¹⁾	2020 ⁽¹⁾	2021
Total.....	31246	29295	31601	31639	31216	29377	25659	26363
Angola.....	1241	1758	1767	1632	1473	1373	1271	1124
Ecuador ⁽²⁾	512	476	543	531	517	531	×	×
Algeria	1352	1190	1157	1059	1040	1023	899	911
United Arab Emirates	2378	2324	2989	2967	3008	3058	2779	2718
Iran, (Islamic Republic of).....	4092	3544	3152	3867	3536	2363	1991	2392
Congo.....	000	309	232	263	323	329	300	267
Kuwait ⁽³⁾	2573	2312	2859	2704	2737	2678	2438	2415
Gabon.....	000	233	214	210	193	218	207	181
Equatorial Guinea	000	237	185	129	120	110	114	93
Iraq.....	1853	2358	3504	4469	4410	4576	3997	3971
Saudi Arabia ⁽³⁾	9353	8166	10193	9959	10317	9808	9213	9125
Libya.....	1693	1487	404	811	946	1091	389	1207
Nigeria	2366	2048	1748	1536	1602	1737	1493	1323
Venezuela	3067	2854	2654	2035	1510	1013	569	636

1. Some figures were revised figures.

2. Ecuador has left the OPEC since 1st January, 2020.

3. Figures include share of wells completed from Neutral Zone

Source: OPEC.

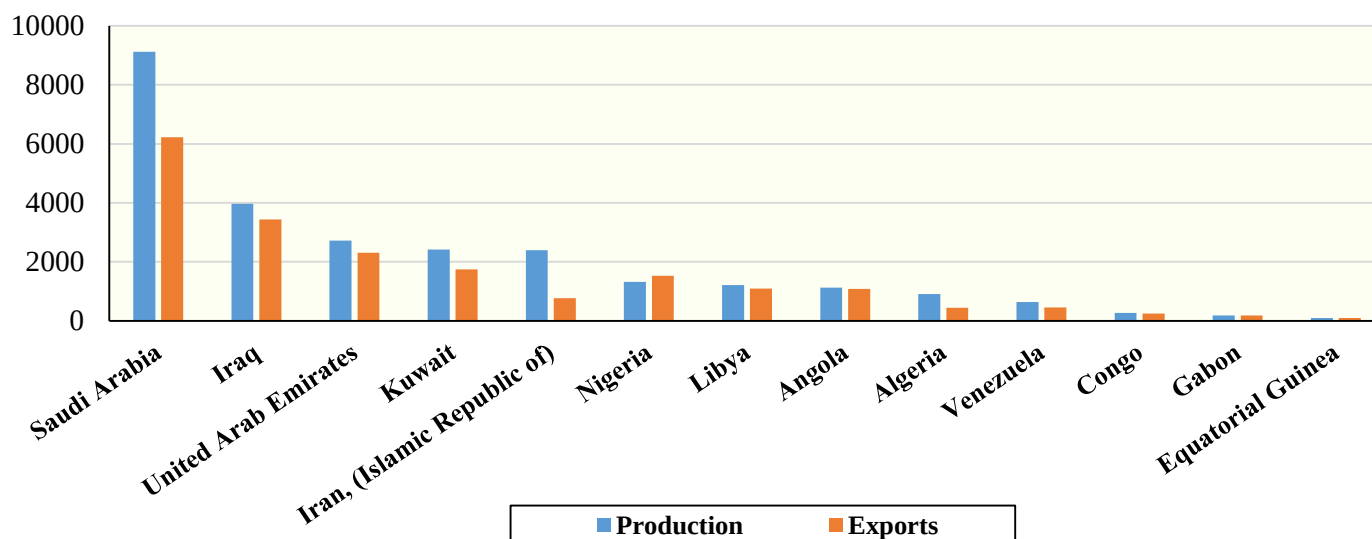
24.9. CRUDE OIL EXPORTS ⁽¹⁾ BY OPEC MEMBERS**(1000 barrels per day)**

Country	2005	2010	2015	2017	2018	2019	2020	2021
Total	23316	22806	25018	24267	24274	22478	19701	19656
Angola.....	947	1711	1670	1577	1421	1319	1220	1080
Ecuador ⁽²⁾	380	340	415	380	367	398	×	×
Algeria.....	970	709	668	633	571	584	439	446
United Arab Emirates.....	2195	2104	2408	2379	2296	2414	2418	2305
Iran, (Islamic Republic of).....	2395	2248	1922	2125	1850	651	404	763
Congo.....	1472	1890	3804	3802	3862	3968	3428	3440
Kuwait.....	7209	6644	7463	6968	7372	7038	6659	6227
Gabon.....	000	000	254	261	307	309	282	251
Equatorial Guinea.....	1651	1430	2128	2010	2050	1986	1826	1740
Iraq.....	-	-	205	188	174	207	196	181
Saudi Arabia.....	000	000	158	125	121	110	115	93
Libya.....	1306	1118	350	792	999	1036	347	1091
Nigeria.....	2326	2464	1738	1811	1979	2008	1879	1592
Venezuela.....	1788	1562	1835	1596	1273	847	487	448

1. Data may include lease condensates and volumes of oil in transit.

2. Ecuador has left the OPEC since 1st January, 2020.

Source: OPEC.

24.3. PRODUCTION AND EXPORT OF CRUDE OIL BY OPEC MEMBERS, 2021**1000 barrels per day**

For data see Tables 24.8 & 24.9.

24.10. EXPORTS OF Oil PRODUCTS⁽¹⁾ BY OPEC MEMBERS (1000 barrels per day)

Country	2005	2010	2015	2017	2018	2019	2020	2021
Total.....	4307	3962	3869	3899	4673	3885	3483	4034
Angola.....	14	31	37	17	18	17	16	29
Ecuador ⁽²⁾	20	28	16	42	42	39	×	×
Algeria.....	452	315	605	570	532	506	503	493
United Arab Emirates.....	509	337	415	654	916	882	840	891
Iran, (Islamic Republic of)	402	368	514	270	272	285	281	333
Congo.....	14	5	14	20	46	107	151	158
Kuwait.....	1385	951	1155	1438	1971	1300	1017	1344
Gabon.....	000	000	6	6	6	6	4	4
Equatorial Guinea	614	773	739	640	630	637	527	604
Iraq	-	-	11	12	9	8	9	10
Saudi Arabia.....	000	000	×	0	0	0	0	0
Libya	163	50	22	23	25	21	66	89
Nigeria.....	49	23	18	19	21	20	0	11
Venezuela.....	609	760	318	230	226	97	70	67

1. Data may include re-exports and volumes of oil in transit.

2. Ecuador has left the OPEC since 2016.

Source: OPEC.

24.11. OIL DEMAND BY MAIN PETROLEUM PRODUCT IN OPEC MEMBERS (1000 barrels per day)

Country	2005	2010	2015	2017	2018	2019	2020	2021
Total.....	5164	8097	9107	8768	8642	8717	7831	8249
Angola.....	53	95	142	115	121	122	99	100
Ecuador ⁽¹⁾	153	242	259	241	260	270	×	×
Algeria.....	246	344	419	422	431	430	383	418
United Arab Emirates.....	204	591	778	819	885	899	828	916
Iran, (Islamic Republic of)	1479	1820	1795	1819	1854	1838	1692	1777
Congo.....	537	694	686	723	704	716	550	621
Kuwait.....	1175	2600	3319	3272	3105	3139	2927	2966
Gabon.....	000	000	8	8	8	9	7	7
Equatorial Guinea	249	358	383	401	417	460	461	482
Iraq	-	-	36	47	47	48	42	45
Saudi Arabia.....	000	000	8	5	5	5	5	5
Libya	230	301	211	208	215	214	183	186
Nigeria.....	258	271	408	426	446	470	466	495
Venezuela.....	521	675	658	503	403	367	188	232

1. Ecuador has left the OPEC since 1st January, 2020.

Source: OPEC.

24.12. WORLD PROVEN NATURAL GAS RESERVES BY REGION AND COUNTRY⁽¹⁾ (bln cu m)

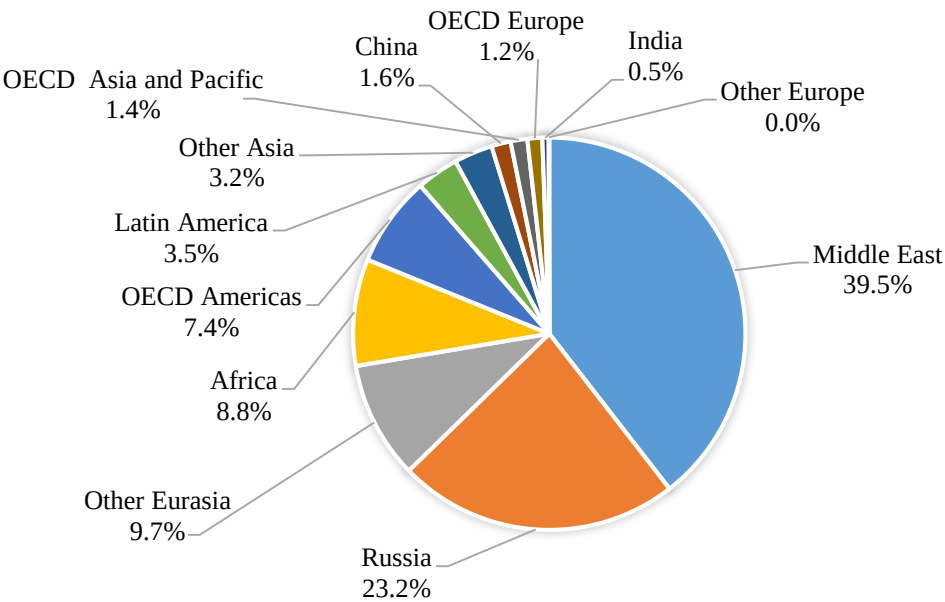
Region and country	2017 ⁽²⁾	2018 ⁽²⁾	2019 ⁽²⁾	2020 ⁽²⁾	2021 ⁽²⁾
Total World.....	208036	206966	208838	206812	205865
OECD Americas	14677	15808	15913	15933	15317
OECD Europe	3572	2987	2858	2699	2513
OECD Asia and Pacific....	3763	3772	3475	3335	2836
China	2786	2779	2834	2922	3269
India	1284	1340	1381	1372	1071
Other Asia	7288	7277	7030	6775	6544
Latin America	7528	7392	7400	7233	7146
Middle East	79477	78485	80742	80794	81321
Africa	17940	18015	18044	17999	18098
Russia.....	50508	49571	49154	47759	47759
Other Eurasia.....	19102	19437	19910	19899	19899
Other Europe	111	103	97	92	92
Total world of which:					
OPEC	72261	71288	73626	73651	74242
OPEC percentage	34.7	34.4	35.3	35.6	36.1
OECD.....	22012	22567	22246	21967	20666

1. Figures as at year-end.

2. Revised figures.

Source: OPEC.

24.4. WORLD PROVEN NATURAL GAS RESERVES BY REGION AND COUNTRY, 2021



For data see Table 24.12.

24.13. WORLD MARKETED PRODUCTION OF NATURAL GAS BY REGION AND COUNTRY**(mln cu m)**

Region and country	2017 ⁽¹⁾	2018 ⁽¹⁾	2019 ⁽¹⁾	2020 ⁽¹⁾	2021
Total World.....	3759445	3930167	4014372	3917450	4145657
OECD Americas	998521	1098499	1179810	1160498	1177757
OECD Europe	245714	234419	218701	202087	191546
OECD Asia and Pacific.....	131154	148730	169756	170464	173148
China	144000	154800	169970	185900	193286
India	31750	31700	31160	27700	32425
Other Asia	298750	293540	290910	272784	275850
Latin America	175452	170645	169099	152256	155370
Middle East	652091	653852	674333	707972	721030
Africa	238208	259011	268085	253100	282186
Russia.....	636350	668230	620460	577620	719300
Other Eurasia.....	195325	205041	210748	196839	213718
Other Europe	12130	11700	11340	10230	10042
Total world of which:					
OPEC	638232	634468	642667	636218	672718
OPEC percentage	17.0	16.1	16.0	16.2	16.2
OECD.....	1375389	1481648	1568267	1533049	1542451

1. Revised figures

Source: OPEC.

24.14. MARKETED NATURAL GAS PRODUCTION BY OPEC MEMBERS**(mln cu m)**

Country	2005	2010	2015	2017 ⁽¹⁾	2018 ⁽¹⁾	2019 ⁽¹⁾	2020 ⁽¹⁾	2021
Total.....	429369	620819	594532	638232	634468	642667	636218	672718
Angola.....	650	733	772	3111	9614	10546	11313	8820
Ecuador ⁽²⁾	260	330	497	463	349	310	×	×
Algeria.....	89235	84615	83041	94778	95898	90302	85119	105043
United Arab Emirates.....	47790	51282	60181	54086	47624	55097	55064	54485
Iran, (Islamic Republic of) ..	103500	187357	226673	238003	233060	241730	249630	257119
Congo	1450	1303	7685	10650	11130	11544	7374	9586
Kuwait.....	71240	87660	104450	115000	118000	117000	119000	120485
Gabon.....	000	000	928	860	867	580	405	415
Equatorial Guinea	12300	11733	16909	17102	17738	13952	12883	12728
Iraq	-	-	550	487	530	464	502	454
Saudi Arabia.....	000	000	6200	8237	7751	6235	6023	7047
Libya	11300	16814	15493	20690	23220	26830	20930	24244
Nigeria.....	22400	28099	45148	45434	44251	47828	49947	48572
Venezuela.....	23444	19728	26004	29793	24785	20559	18026	23720

1. Revised figures

2. Ecuador has left the OPEC since 1st January, 2020.

Source: OPEC.