



Monitoring health and health system performance in the Eastern Mediterranean Region

Core indicators and indicators on the health-related Sustainable Development Goals

2023



**World Health
Organization**

Eastern Mediterranean Region

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Foreword

Timely, reliable, disaggregated data and forecasts, and comparable health-related statistics are of paramount importance to guide effective decision-making and programme implementation. Decision-makers need the information to develop appropriate policies, allocate resources, prioritize interventions, and monitor and evaluate the public health situation, health care delivery and outcomes. The provision of the data presented in this booklet aims to enhance evidence-informed decision-making, in line with our other activities to strengthen the capacities of ministries of health in the use of evidence in policy development.

Improvement in health information not only relies on the generation and collection of valid data, it also requires the appropriate management and analysis of the data. The strengthening of health information systems is a priority for WHO in the Eastern Mediterranean Region, and is a key enabler for monitoring the progress of all our work, including the three regional flagship initiatives: 1) improving access to affordable medical commodities and securing equitable supply chains; 2) improving human resources for health; and 3) accelerating control of substance use. In the Eastern Mediterranean Region, we use an established framework for reporting on core health indicators. The selected indicators focus on three main components: 1) monitoring health determinants and risks; 2) assessing health status, including morbidity and cause-specific mortality; and 3) assessing health system response.

The indicators for Sustainable Development Goal (SDG) 3 are included in this booklet, as well as for other health-related SDGs. This year, we have published an updated comprehensive regional report charting the progress towards the health-related SDGs, drawing largely from data collected through the core indicators annual reporting. My team is working on an updated regional health profile, that is expected to be published in 2024.

This publication uses available data drawn from multiple sources, including figures provided by countries, the latest World Health Statistics publications, the WHO Global Health Observatory and estimates developed by United Nations agencies, including WHO. All the data reported here is available through the WHO Regional Health Observatory. Every effort has been made to incorporate the most comprehensive, recent and reliable data, and to validate the data with countries within a very short time frame. I welcome any input and observations on the data presented here.

Dr Hanan Balkhy

WHO Regional Director
for the Eastern Mediterranean

Footnotes and abbreviations

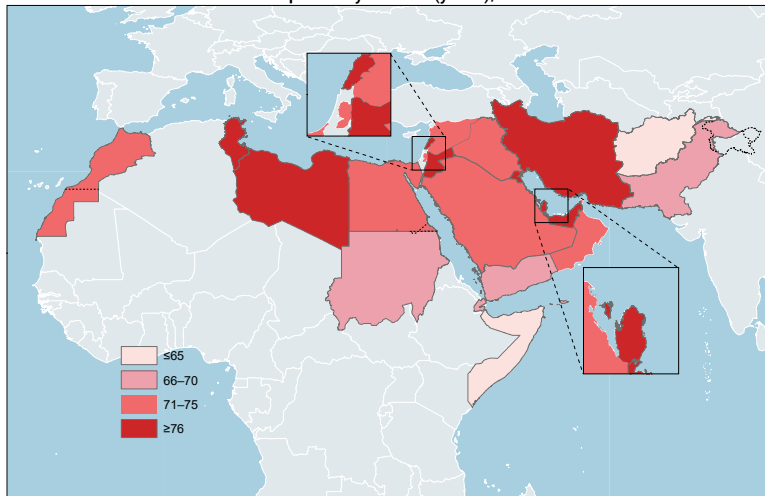
Footnote	Description
a	2021
b	2020
c	2019
d	2018
e	2017
f	Country reported 2022
g	Data as reported in <i>World health statistics 2022 report</i>
h	<i>WHO report on the global tobacco epidemic, 2021</i>
i	Total alcohol per capita (APC) is defined as the total (sum of three-year average recorded and three-year average unrecorded APC, adjusted for three-year average tourist consumption) amount of alcohol consumed per adult (15+ years) over a calendar year, in litres of pure alcohol.
j	Cumulated incidence of chronic HBV infection in children 5 years of age
k	All cases are imported
l	1 introduced case
m	All countries are certified free of dracunculiasis except Sudan
n	All countries have validated the elimination of lymphatic filariasis as a public health problem except Sudan
o	Onchocerciasis is only endemic in Sudan and Yemen
p	UHC service coverage index
q	WHO/UNAIDS modelled HIV estimates

Abbreviation	Description
T	Total
M	Male
F	Female
Y	Reference year
...	Not available for 2017–2022 or not reported
()	Country reported value
UN-IGME	United Nations Inter-agency Group for Child Mortality Estimation
UN-MMEIG	United Nations Maternal Mortality Estimation Inter-Agency Group
PWID	People who inject drugs
SW	Sex workers
MSM	Men who have sex with men
N/A	Not applicable

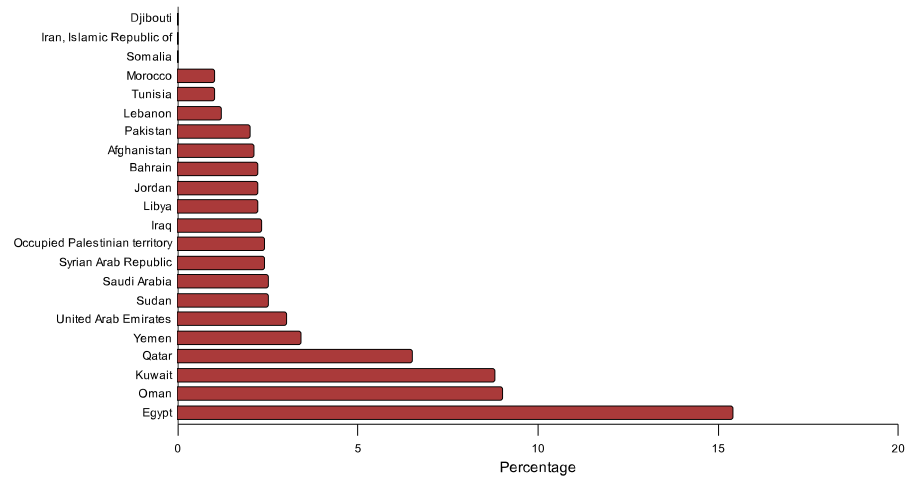
Demographic and socioeconomic determinants (1/2)

Country	Population 2022		Population growth		Life expectancy at birth (years)				Life expectancy at birth (years), 2019 ^g		
	Total (000s)	Urban %	%	Y	T	M	F	Y	T	M	F
Afghanistan	33 569 ^b	25 ^b	2.1	2020	65.3	63.8	66.7	2020	63.2	63.3	63.2
Bahrain	1 504 ^a	100 ^a	2.2	2021	79.0	78.0	80.0	2021	75.8	75.0	77.0
Djibouti	1 106 ^g	24	...	...	...	...	...	...	65.8	64.1	67.8
Egypt	103 604	43	15.4	2022	...	69.4	74.0	2022	71.8	69.6	74.1
Iran, Islamic Republic of	...	...	...	...	...	...	...	...	77.3	75.7	79.1
Iraq	42 248	70	2.3	2022	75.3	73.7	76.8	2022	72.4	69.9	75.0
Jordan	11 302	90	2.2	2022	73.3	72.3	75.1	2017	77.9	77.0	78.8
Kuwait	4 464	100 ^a	8.8	2021	78.6	78.1	79.3	2021	81.0	79.3	83.9
Lebanon	5 621	...	1.2	2020	...	...	...	...	76.4	74.0	79.2
Libya	8 415 ^a	85 ^a	2.2	2021	79.3	73.2	83.5	2020	75.8	74.2	77.3
Morocco	36 670	64	1.0	2022	76.6	74.9	78.3	2020	73.0	71.7	74.3
Occupied Palestinian territory	5 534	78	2.4	2022	74.3	73.2	75.4	2022	74.1	72.4	75.8
Oman	4 934	...	9.0	2022	77.0	75.4	78.9	2022	73.9	73.0	75.3
Pakistan	236 184	38	2.0	2022	65.0	64.5	65.5	2020	65.6	64.6	66.7
Qatar	2 932	100	6.5	2022	80.5	80.2	81.0	2022	77.2	78.0	76.6
Saudi Arabia	32 175	86	2.5	2022	77.9	75.3	80.9	2022	74.3	73.1	76.1
Somalia	14 831	51 ^b	...	...	58.0	50.0	52.0	2019	56.5	54.0	59.2
Sudan	41 139 ^b	31 ^b	2.5	2020	...	...	...	...	69.1	67.6	70.8
Syrian Arab Republic	22 922 ^b	...	2.4	2020	72.2	71.2	74.2	2020	72.7	71.2	74.3
Tunisia	11 936 ^a	70 ^a	1.0	2021	77.0	74.0 ^d	78.0 ^d	2020	77.0	74.9	79.2
United Arab Emirates	9 282	84 ^c	3.0	2021	80.5	79.0	82.6	2022	76.1	75.1	78.4
Yemen	30 416	31	3.4	2020	64.0	64.0	65.0	2018	66.6	64.4	68.9

Life expectancy at birth (years), 2019



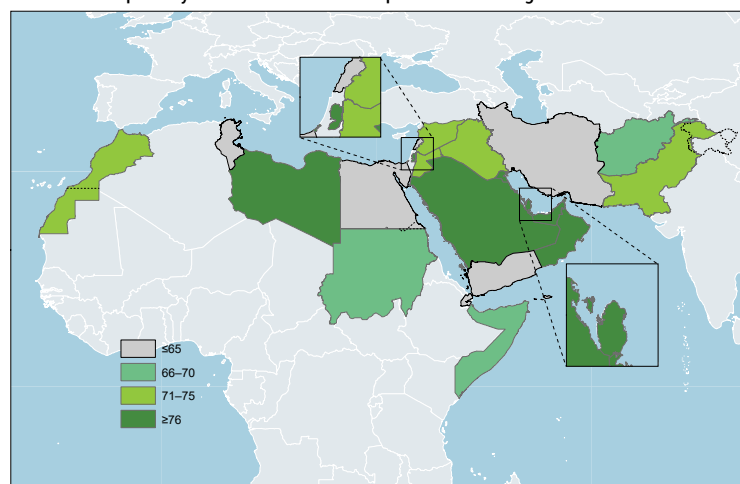
Population growth



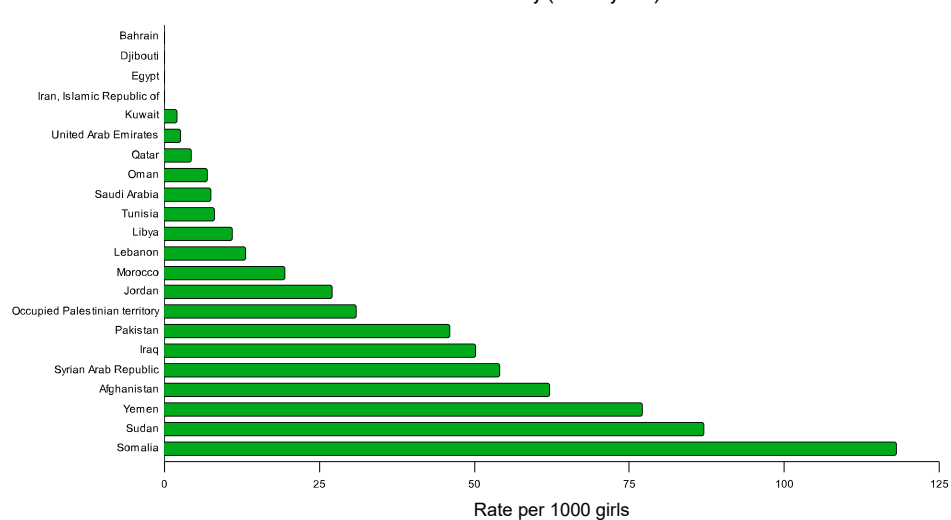
Demographic and socioeconomic determinants (2/2)

Country	Literacy rate (15–24 years)				Net primary school enrolment ratio per 100 school-age children				Population below the international poverty line		Total fertility		Adolescent fertility (15–19 years)	
	T	M	F	Y	T	M	F	Y	%	Y	Rate (R)			
	%	%	%		Ratio	Ratio	Ratio				Per woman		Per 1000 girls	
											R	Y	R	Y
Afghanistan	54	68	39	2017	56	66	46	2017	...	...	5.1	2018	62.0	2018
Bahrain	98	99	96	2021	97	97	97	2019	...	...	1.7	2021	0.0	2021
Djibouti	...	...	...	...	...	...	...	...	...	...	...	...	...	2020
Egypt	...	...	...	...	82	...	...	...	29.7	2020	2.9	2022	...	...
Iran, Islamic Republic of	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iraq	94	95	92	2017	...	...	...	...	...	...	3.3	2022	50.1	2022
Jordan	95	97	93	2019	100	100	100	2021	15.7	2018	2.7	2017	27.0	2017
Kuwait	100	...	...	2021	100	100 ^C	100 ^C	2021	...	...	1.5	2021	1.9	2021
Lebanon	...	...	...	...	...	...	...	...	...	...	1.8	2017	13.1	2018
Libya	100	92	83	2018	...	...	...	...	...	...	3.9	2022	10.9	2018
Morocco	95	97	93	2021	82	82	81	2017	...	...	2.4	2018	19.4	2018
Occupied Palestinian territory	99	99	99	2020	97	95	98	2020	29.9	2020	3.8	2019	30.8	2022
Oman	100	100	100	2021	99	99	98	2021	0.0	2019	2.3	2022	6.8	2022
Pakistan	72	79	65	2019	64	68	64	2019	36.6	2019	3.7	2020	46.0	2018
Qatar	99	99	99	2022	83	83	83	2021	0.0	2022	1.5	2022	4.3	2022
Saudi Arabia	100	100	99	2020	96	96	95	2019	...	...	2.1	2022	7.4	2018
Somalia	70	76	66	2022	25	26	24	2022	...	...	6.9	2020	118.0	2020
Sudan	60	...	...	2020	...	...	...	...	46.5	2018	5.2	2020	87.0	2020
Syrian Arab Republic	94	97	91	2020	...	...	...	...	65.0	2019	3.5	2020	54.0	2020
Tunisia	...	...	...	...	94	94	94	2018	...	...	2.2	2020	8.0	2020
United Arab Emirates	100	100	100	2021	99	100	100	2021	0.0	2022	2.3	2019	2.5	2021
Yemen	64	...	...	2022	76.2	...	...	2022	...	...	4.5	2022	77.0	2022

Net primary school enrolment ratio per 100 school-age total children



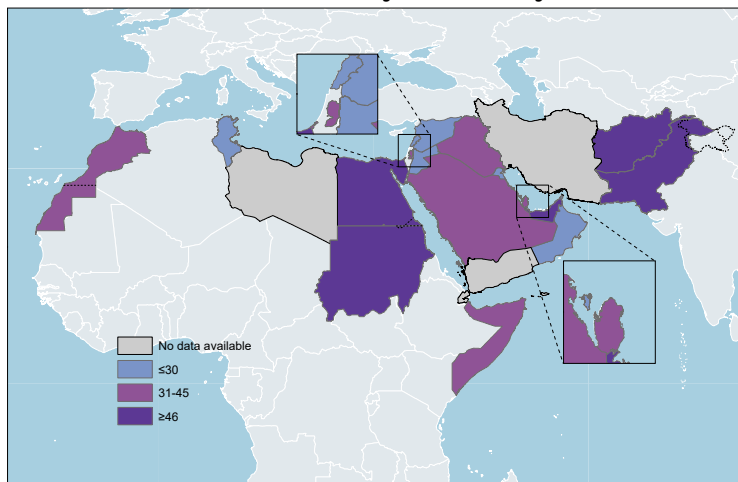
Adolescent fertility (15–19 years)



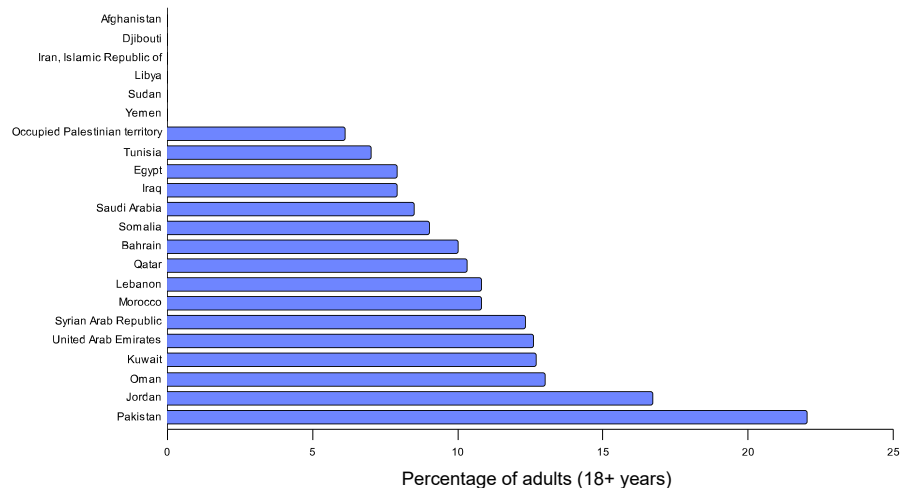
Health determinants and risks (1/2)

Country	Biological						Nutritional													
	Low birth weight among newborns		Exclusive breastfeeding 0–5 months of age		Adults (18+ years) (age-standardized)		Children under 5 who are				Youth (13–18 years)			Adults (18+ years), (age-standardized)			Anaemia among women of reproductive age (15–49 years)			
	%	Y	%	Y	%	%	stunted	wasted	overweight	obese	Y	Overweight	Obesity	Y	Overweight	Obesity	Y	%	%	
																				Raised blood glucose, 2022	Raised blood pressure, 2022
Afghanistan	...	...	57.5	2018	9.2 ^d	17.7 ^d	44.7	3.7	4.5	...	2020	...	...	...	25.8	17.0	2018	...	...
Bahrain	10.0	2020	20.1	2020	15.0 ^d	33.6 ^d	4.4	2.6	4.9	1.3	2018	40.0	45.0	2020	33.2	42.8	2018	35.0	2021	
Djibouti	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Egypt	...	...	67.4	2022	...	...	...	...	20.4	...	2018	...	...	...	...	...	...	...	...
Iran, Islamic Republic of	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Iraq	7.9	2022	33.9	2022	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Jordan	16.7	2017	26.0	2017	8.2 ^b	22.1 ^b	7.4	0.6	7.0	2.2	2019	16.0	11.8	2019	29.0	32.0	2019	23.9	2019	
Kuwait	12.7	2021	10.0	2020	19.1 ^c	19.3 ^c	2.3	2.7	7.1	4.2	2020	22.0	32.1	2019	38.0	36.6	2020	37.6	2018	
Lebanon	10.8	2022	7.8	2019	10.5 ^c	35.3 ^c	...	...	...	...	...	...	...	...	65.0	27.0	2017	...	...
Libya	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Morocco	10.8	2018	35.0	2018	10.6 ^e	29.3 ^e	15.1	2.6	10.8	2.9	2018	...	...	...	33.0	20.0	2017	34	2019
Occupied Palestinian territory	6.1	2022	43.3	2020	7.6	20.5	8.7	1.3	8.6	...	2022	...	...	...	61.4	31.6	2022	...	...
Oman	13.0	2022	23.2	2017	15.7 ^e	33.6 ^e	11.4	9.3	3.1	1.1	2017	29.0	...	2017	35.5	30.7	2017	27.8	2017	
Pakistan	22.0	2018	47.5	2018	26.3 ^e	46.2 ^e	37.6	7.1	2.5	...	2018	...	...	...	...	...	...	42.7	2018
Qatar	10.3	2022	37.9	2022	...	...	3.9	2.3	8.8	1.9	2022	46.7	24.7	2022	45.8	23.3	2019	33.5	2022
Saudi Arabia	8.5	2020	41.4	2018	16.7 ^a	24.5 ^a	7.1	3.3	8.3	4.1	2020	14.5	7.8	2019	36.2	22.0	2019	43.7	2018	
Somalia	9.0	2020	33.3	2020	26.3	27.0	27.0	21.0	...	...	2020	...	...	...	...	...	...	23.0	2019
Sudan	...	...	62.4	2018	...	...	36.4	13.6	2.1	0.9	2018	...	...	...	...	...	...	...	...
Syrian Arab Republic	12.3	2021	28.5	2019	...	...	12.6	1.7	4.6	0.9	2019	...	...	...	...	...	...	30.6	2019
Tunisia	7.0	2018	13.5	2018	...	...	8.0	2.0	17.0	...	2018	...	...	...	...	...	...	...	...
United Arab Emirates	12.6	2021	59.7	2018	11.8 ^d	28.8 ^d	2.6	0.7	...	...	2019	...	...	...	67.9	27.8	2018	24.3	2019
Yemen	36.3	...	2.2	2022	...	...	48.6	16.9	1.5	...	2022	...	...	...	...	...	...	...	...

Exclusive breastfeeding 0–5 months of age



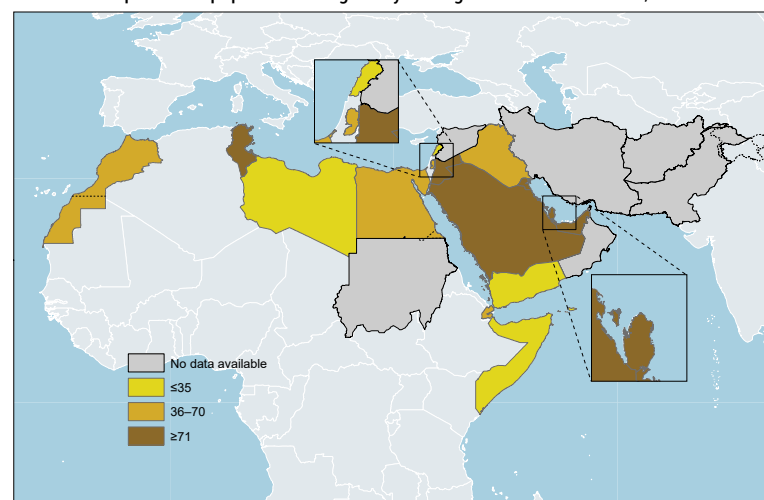
Raised blood pressure among adults (18+ years), age standardized



Health determinants and risks (2/2)

Country	Behavioural										Environmental, 2020			
	Insufficient physical activity (13–18 years)	Insufficient physical activity (18+ years), 2022	Tobacco use (13–15 years) ^h				Tobacco use (15+ years), (age-standardized) ^h				Harmful use of alcohol (aged 15 years) ^{i g}		Proportion of population using safely managed drinking water services, 2022 ^g	Proportion of population using safely managed sanitation services, 2022 ^g
			T	M	F	Y	T	M	F	Y	Litres per calendar year per 1000	Y		
%	%	%	%	%	%	%	%	%	%	%	%	%	%	
Afghanistan	...	26.5 ^d	8.3	10.1	5.6	2017	22.7	38.7	6.8	2022	0.0	2019	30	...
Bahrain	...	51.0 ^d	...	...	...	...	15.0	25.0	5.1	2022	1.6	2019	99	92
Djibouti	0.4	2019	...	39
Egypt	24.7	49.1	0.4	2022	0.1	2019	...	67
Iran, Islamic Republic of	13.3	23.6	3.0	2022	0.7	2019	94	...
Iraq	15.7	19.5	11.4	2019	19.2	36.7	1.7	2022	0.2	2019	60	53
Jordan	...	25.2 ^b	...	...	...	...	35.6	57.6	13.6	2022	0.3	2019	86(98.9) ^e	82 (97) ^e
Kuwait	...	54.0 ^b	...	...	...	...	19.9	37.7	2.1	2022	0.0	2019	100	100
Lebanon	...	61.0 ^e	31.5	35.3	27.9	2017	34.3	42.9	25.7	2022	1.5	2019	48	26
Libya	0.1	2019	...	24
Morocco	...	21.1 ^e	...	...	...	...	15.1(11.3) ^d	29.3(21.9) ^d	0.9(1.0) ^d	2019	0.5	2019	75(87.3) ^d	61
Occupied Palestinian territory	...	21.1	...	...	...	...	...	...	...	...	...	...	80(100) ^b	70 (93) ^b
Oman	...	63.1 ^e	(6.0) ^e	(8.5) ^e	(3.9) ^e	...	8.4	16.5	0.4	2022	0.9	2019	(99.8) ^f	(93)
Pakistan	18.9	30.8	7.0	2019	0.1	2019	(94) ^f	...
Qatar	12.1	15.7	8.7	2018	12.5	22.6	2.3	2022	1.1	2019	97 (100) ^f	100
Saudi Arabia	...	49.0	9.4	10.6	8.0	2022	14.9 (19.8) ^c	27.6 (30.1) ^c	2.1 (4.2) ^c	2022	0.0	2019	(100) ^b	80 (100) ^a
Somalia	0.0	2019	...	32
Sudan	0.1	2019	...	...
Syrian Arab Republic	0.2	2019	...	...
Tunisia	11.7	19.2	4.6	2017	20.5	39.5	1.6	2022	1.5	2019	74	81
United Arab Emirates	...	70.8 ^d	...	...	...	...	9.0 (9.1) ^d	15.4(15.7) ^d	2.6 (2.4) ^d	2022	2.0	2019	(100) ^b	99(100) ^f
Yemen	22.4	34.5	8.2	2022	0.1	2019	...	19

Proportion of population using safely managed sanitation services, 2022

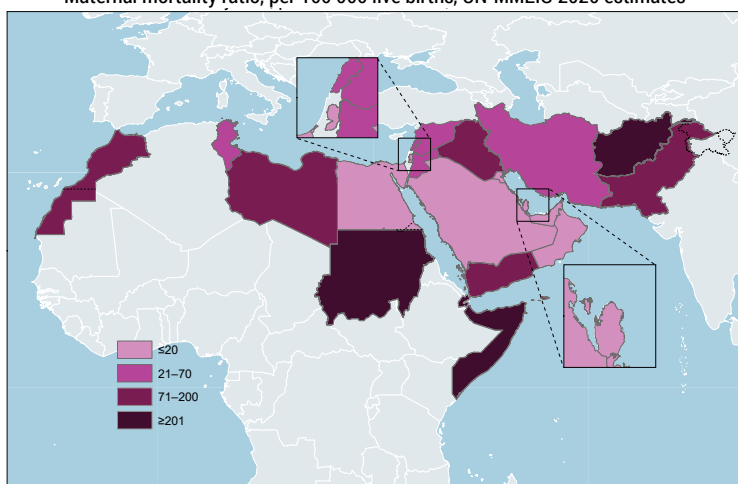


Health status (mortality) (1/2)

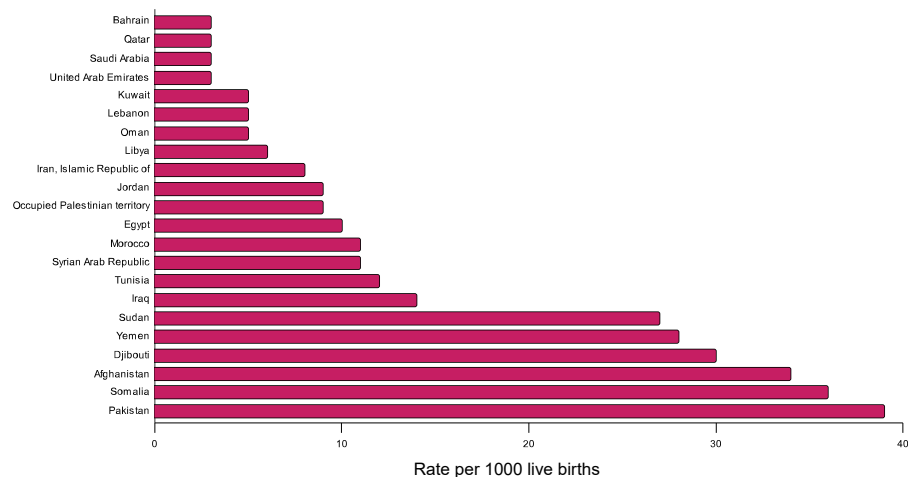
Country	Neonatal	Infant	Under-5	Neonatal	Infant	Under-5	Y	Maternal mortality ratio			Age-standardized mortality rates by major cause, 2019 ^g		
	Mortality rate per 1000 live births, UN-IGME 2021 estimates			Country reported mortality rate per 1000 live births				Ratio	Country reported per 100 000 live births		Per 100 000 population		
	R	R	R	R	R	R			Ratio	Y	Communicable diseases	Noncommunicable diseases	Injuries
Afghanistan	34	43	56	24	46	55	2022	620	638	2022	204.3	881.2	187.6
Bahrain	3	6	7	4	7	9	2020	16	11	2020	32.1(13.7) ^b	644.3(177.2) ^b	25.6(14.9) ^b
Djibouti	30	46	54	...	...	...	...	234	...	...	311.2	610.9	96.9
Egypt	10	16	19	8	16	20	2020	17	43	2018	49.5	733.8	30.9
Iran, Islamic Republic of	8	11	13	...	...	...	...	22	...	...	34.4	445.7	47.9
Iraq	14	21	25	13	18	22	2022	76	26	2022	44.6	610.8	88.3
Jordan	9	13	15	11	17	19	2017	41	85	2021	29.6	441.2	34.6
Kuwait	5	7	9	5	8	9	2021	7	6	2021	33.1(191.5) ^a	324.4(275.0) ^a	31.1(17.2) ^a
Lebanon	5	7	8	9.5 [*]	16 [*]	18 [*]	2022	21	18	2022	31.6	526.9	32.8
Libya	6	9	11	7	10	13	2020	72	...	...	47.4	479.0	61.7
Morocco	11	15	18	14	18	22	2018	72	73	2018	57.8	644.0	48.5
Occupied Palestinian territory	9	13	15	7	10	13	2022	20	22	2022	(55.6) ^f	(474.6) ^f	(18.4) ^f
Oman	5	9	10	6	9	11	2022	17	17	2022	59.8	683.6	42.2
Pakistan	39	53	63	42	56	74	2018	154	186	2019	213.5	753.4	58.1
Qatar	3	5	5	4	7	8	2022	8	8	2022	30.9(15.2) ^f	650.1(295.4) ^f	32.4(19.2) ^f
Saudi Arabia	3	6	7	4	6	9	2018	16	12	2018	44.1	558.1	83.7
Somalia	36	71	112	36	71	112	2021	621	692	2020	654.7(47.0) ^c	769.2 (15.0) ^c	134.6 (6.0) ^c
Sudan	27	39	55	...	...	...	...	270	114	2018	151.6	625.7	71.3
Syrian Arab Republic	11	18	22	12	19	24	2019	30	...	...	49.1	633.5	101.0
Tunisia	12	14	16	8 ^c	14	17	2020	37	43	2017	36.8	462.5	38.7
United Arab Emirates	3	5	6	2	4	5	2021	9	5	2021	56.5(56.0) ^a	528.4(226.0) ^a	35.3(8.9) ^a
Yemen	28	47	62	21	35	41	2021	183	70	2022	136.4	717.1	124.1

*:Neonatal, Infant, and under-five mortality rates are based on hospital data.

Maternal mortality ratio, per 100 000 live births, UN-MMEIG 2020 estimates



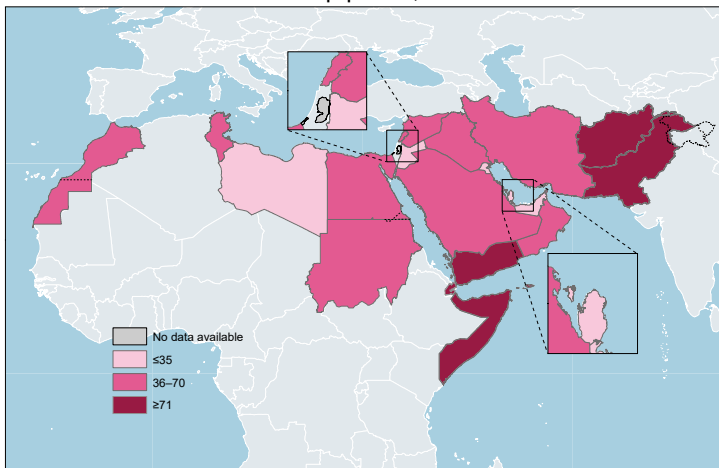
Neonatal mortality



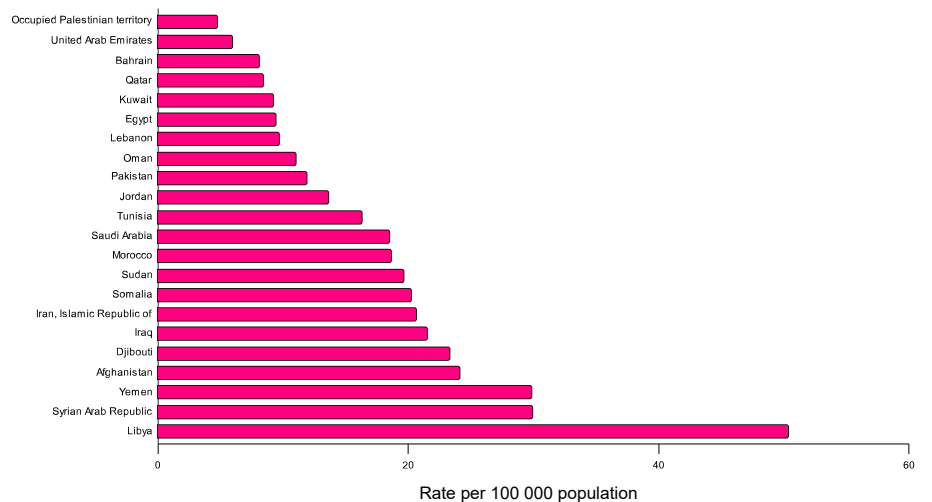
Health status (mortality) (2/2)

Country	Probability of dying between age 30 and exact age 70 from any of cardiovascular disease, cancer, diabetes, chronic respiratory diseases, 2019	Mortality rate from road traffic injuries		Mortality rate attributed to household and ambient air pollution, 2019	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene, 2019	Mortality rate attributed to household and ambient air pollution, 2019	Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene, 2019	Suicide mortality rate ^g	
		Country reported, 2022	WHO estimate, 2021					Per 100 000 population	
	%	Per 100 000 population		Per 100 000 population	Per 100 000 population	Country reported per 100 000 population	Country reported per 100 000 population	R	Y
	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>R</i>	<i>Y</i>
Afghanistan	35.3	5.3 ^c	24.1	101	16.6	...	...	4.1	2019
Bahrain	16.1	4.4 ^b	8.1	25	0.8	38.6 ^b	0.0 ^b	8.9(3.1) ^b	2019
Djibouti	22.0	...	23.3	111	37.6	...	...	9.6	2019
Egypt	28.0	5.9 ^b	9.4	70	4.8	...	...	3.0	2019
Iran, Islamic Republic of	14.8	...	20.6	46	2.9	12.5 ^a	1.2 ^b	5.2	2019
Iraq	23.5(2.8) ^f	13.6	21.5	39	4.4	...	...	3.6(1.4) ^f	2019
Jordan	15.3	5.0	13.6	20	1.6	...	...	1.6	2019
Kuwait	11.9(10.5) ^a	7.2 ^a	9.2	23	0.8	...	0.0 ^a	2.9(2.1) ^a	2019
Lebanon	19.9	25.0	9.7	54	2.4	...	...	2.8	2019
Libya	18.6(20.1) ^e	25.0 ^b	50.3	33	2.2	...	...	4.5	2019
Morocco	24.1	10.1 ^a	18.6	60	4.6	28.0	...	7.2	2019
Occupied Palestinian territory	(24.8) ^f	5.2	4.7	...	...	0.0	0.0	(0.9) ^b	...
Oman	21.5(7.3) ^f	10.8	11.0	36	1.6	14.7	0.0	4.8(1.1) ^f	2019
Pakistan	29.4	13.0 ^c	11.9	115	38.8	173.6	19.6	8.9	2019
Qatar	10.7(7.0) ^f	8.5	8.4	15	0.4	1.7 ^f	0.0	5.8(2.6) ^f	2019
Saudi Arabia	20.9	14.2	18.5	50	1.9	1.9	...	6.0(2.4) ^f	2019
Somalia	30.4(6.1) ^d	...	20.2	121	99.2	...	...	7.9(5.0) ^c	2019
Sudan	22.8	0.3 ^c	19.6	69	15.8	...	...	3.8	2019
Syrian Arab Republic	22.1	2.3 ^b	29.9	57	9.1	...	...	2.0	2019
Tunisia	15.7	10.4 ^c	16.3	60	3.1	...	...	3.3	2019
United Arab Emirates	18.5(13.8) ^a	3.1 ^b	5.9	19	0.8	...	...	6.4(1.3) ^a	2019
Yemen	27.6	...	29.8	78	15.6	...	...	5.8	2019

Mortality rate attributed to household and ambient air pollution, per 100 000 population, 2019



Mortality rate from road traffic injuries



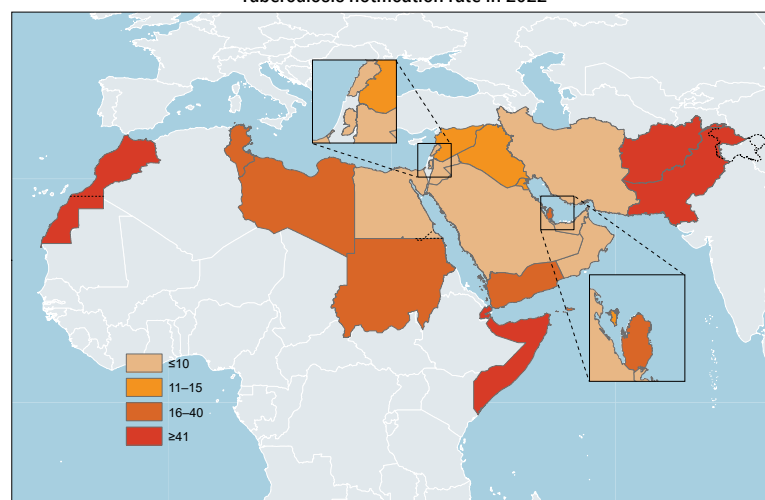
Health status (morbidity)

Country	Cancer (all types)	Tuberculosis	HIV		Hepatitis B	Malaria		Measles
	Incidence, WHO estimates 2022	Case notification, 2022	Estimated number of new infections	Number of newly reported cases	Hepatitis B surface antigen (HBsAg) prevalence among children under 5 years, 2020	Incidence of confirmed cases, 2022	Total number of reported cases, 2022	Incidence, 2022
	Rate per 100 000 population	Rate per 100 000 population	N	N	%	Per 1000 population	N	Per 1 000 000 population
	R	R				R		R
Afghanistan	106.2	126.0	1 300	140(1 343) ^f	0.3	3.9	125 788	122.4
Bahrain	113.8	13.0	...	53	0.0	N/A	32 ^k	0.0
Djibouti	90.7	192.0	...	...	0.2	48.3	40 648	162.4
Egypt	166.1	7.2	5 100	4 416	0.2	N/A	719 ^k	0.0
Iran, Islamic Republic of	149.0	8.2	2 900(2831) ^f	1 551	0.0	6.2	5 667 [*]	0.3
Iraq	136.6	15.0	650	443(446) ^f	0.2	N/A	44 ^k	0.8
Jordan	152.6 (138.3) ^c	2.0	<100	(63) ^f	0.5	N/A	44 ^k	1.9
Kuwait	111.4	11.0	(44) ^a	134(109) ^a	0.0	N/A	...	1.6
Lebanon	168.8	9.3	...	232	0.0	N/A	174 ^k	15.7
Libya	132.3	32.0	...	(305) ^a	0.4	N/A	92 ^k	1.9
Morocco	149.8 (111.9) ^e	81.0	750	1 339(1 033) ^a	0.1	N/A	986 ^k	0.1
Occupied Palestinian territory	152.3 (182.0) ^a	0.4	...	(11) ^f	...	N/A	0 ^k	0.0
Oman	105.3	8.1	<200	201	0.1	N/A	259 ^l	29.7
Pakistan	105.6	180.0	...	10 675	0.9	7.8	1 824 844	0.0
Qatar	82.4 (72.1) ^b	32.0	<200 (<100) ^e	(79) ^a	0.0	N/A	466 ^k	1.48(0.0) ^f
Saudi Arabia	87.1 (53.7) ^b	7.1	1 300	1 065	...	V	4 319 ^{**}	4.09(0.9) ^a
Somalia	121.0	105.0	(950) ^f	657(655) ^f	6.3	0.7	23 450	45.8
Sudan	95.6	40.0 ^a	4 300	...	1.6	29.7	3 768 163	27.1
Syrian Arab Republic	138.6 (79.0) ^b	14.0	<100	56	0.6	N/A	23 ^k	9.7
Tunisia	135.4	26.0	...	412	0.1	N/A	194 ^k	0.3
United Arab Emirates	105.1 (78.4) ^c	0.7	...	(115) ^f	0.0	N/A	1 862 ^k	10.3
Yemen	83.1	31.0	810	...	1.7	7.3	201 792	521.7

*1423 locally transmitted cases and 4254 imported cases

**All cases are imported except 274 introduced cases

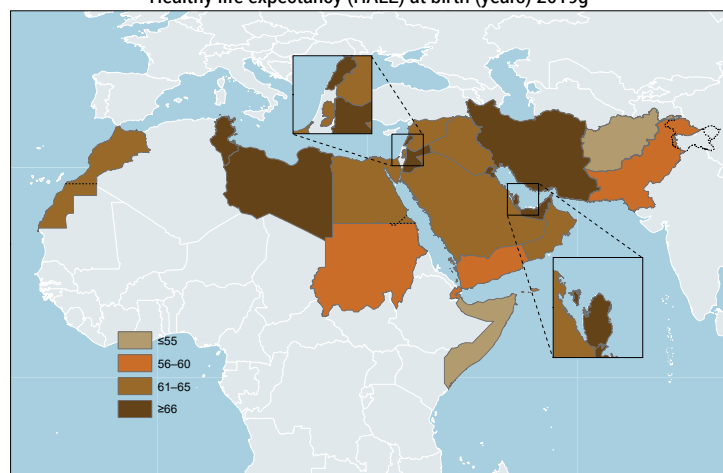
Tuberculosis notification rate in 2022



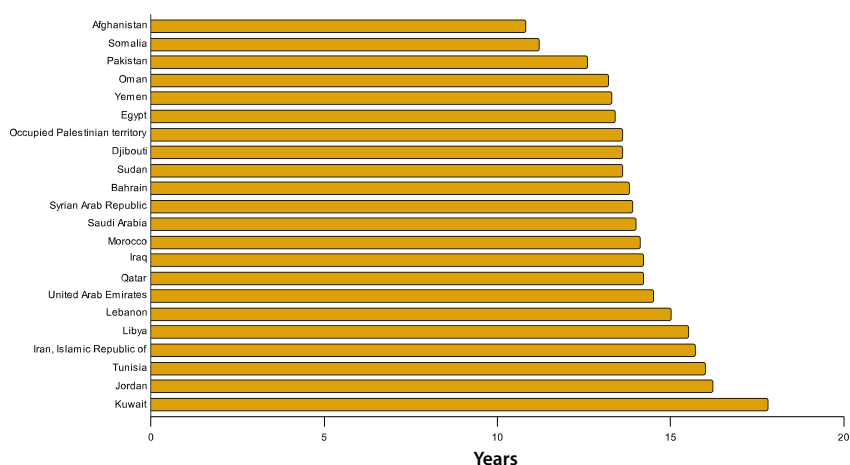
Health status (healthy life expectancy)

Country	Health life expectancy (HALE) at birth (years), 2019 ^a			Health life expectancy (HALE) at 60 (years), 2019 ^a		
	T	M	F	T	M	F
Afghanistan	54.0	54.7	53.2	10.8	11.2	10.6
Bahrain	65.9	66.0	65.5	13.8	13.8	13.9
Djibouti	58.0	57.2	58.9	13.6	12.9	14.4
Egypt	63.0	62.3	63.7	13.4	12.7	14.0
Iran, Islamic Republic of	66.3	66.0	66.5	15.7	15.6	15.8
Iraq	62.7	61.6	63.7	14.2	13.3	15.0
Jordan	67.6	68.1	67.2	16.2	16.3	16.2
Kuwait	70.1	69.5	71.1	17.8	17.1	18.9
Lebanon	66.0	65.1	67.0	15.0	14.0	16.2
Libya	65.2	64.9	65.5	15.5	15.3	15.8
Morocco	63.7	63.7	63.7	14.1	13.7	14.6
Occupied Palestinian territory	63.5	62.9	64.1	13.6	13.1	14.1
Oman	64.7	64.5	64.5	13.2	12.9	13.5
Pakistan	56.9	56.9	56.8	12.6	12.5	12.6
Qatar	67.1	68.1	65.1	14.2	15.1	13.1
Saudi Arabia	64.0	63.8	64.4	14.0	13.8	14.4
Somalia	49.7	48.3	51.3	11.2	10.3	12.2
Sudan	59.9	59.6	60.3	13.6	13.3	14.0
Syrian Arab Republic	62.9	62.5	63.3	13.9	13.8	14.2
Tunisia	66.9	66.1	67.7	16.0	15.2	16.8
United Arab Emirates	66.0	65.8	66.2	14.5	14.1	15.3
Yemen	57.5	56.9	58.2	13.3	12.8	13.7

Healthy life expectancy (HALE) at birth (years) 2019g



Healthy life expectancy (HALE) at age 60 (years)



Health status (neglected tropical diseases)

Number of people requiring interventions against neglected tropical diseases, 2021										
Country	Number of new cases requiring individual treatment and care					Number of people requiring mass treatment (preventive chemotherapy)				
	Dracunculiasis ^m	Cutaneous leishmaniasis	Visceral leishmaniasis	Leprosy	Mycetoma	Lymphatic filariasis ⁿ	Onchocerciasis ^o	Schistosomiasis	Soil-transmitted helminthiasis	Trachoma
	N					N				
Afghanistan	0	39 554	20	19	...	N/A	N/A	N/A	14 367 281	456 005
Bahrain	0	0	0	3	...	N/A	N/A	N/A	N/A	...
Djibouti	0	...	23	...	...	N/A	N/A	N/A	110 561	...
Egypt	0	895	0	361	...	N/A	N/A	2 932 815	N/A	2 004 173
Iran, Islamic Republic of	0	14 020	19	10	...	N/A	N/A	N/A	N/A	0
Iraq	0	13 231	66	0	...	N/A	N/A	N/A	2 170 486	...
Jordan	0	56	0	0	...	N/A	N/A	N/A	N/A	...
Kuwait	0	9	0	8	...	N/A	N/A	N/A	N/A	...
Lebanon	0	41	0	0	...	N/A	N/A	N/A	N/A	...
Libya	0	1 095	...	1	...	N/A	N/A	N/A	N/A	0
Morocco	0	3 141	48	14	...	N/A	N/A	N/A	N/A	0
Occupied Palestinian territory	0	59	1	0	0	N/A	N/A	N/A	N/A	...
Oman	0	0	0	1	0	N/A	N/A	N/A	N/A	0
Pakistan	0	17 020	...	285	...	N/A	N/A	N/A	25 234 450	2 427 981
Qatar	0	6	0	23	...	N/A	N/A	N/A	N/A	0
Saudi Arabia	0	600	2	25	0	N/A	N/A	N/A	N/A	0
Somalia	0	...	831	2 030	...	N/A	N/A	2 847 592	2 697 145	...
Sudan	0	84	3 323	499	187	11 138 868	176 353	8 648 023	1 248 101	3 782 508
Syrian Arab Republic	0	78 231	29	0	...	N/A	N/A	N/A	2 971 666	...
Tunisia	0	2 732	14	0	...	N/A	N/A	N/A	N/A	0
United Arab Emirates	0	1	2	41	0	N/A	N/A	N/A	N/A	...
Yemen	0	4 207	286	268	...	N/A	763 811	4 052 494	6 597 556	2 614 019

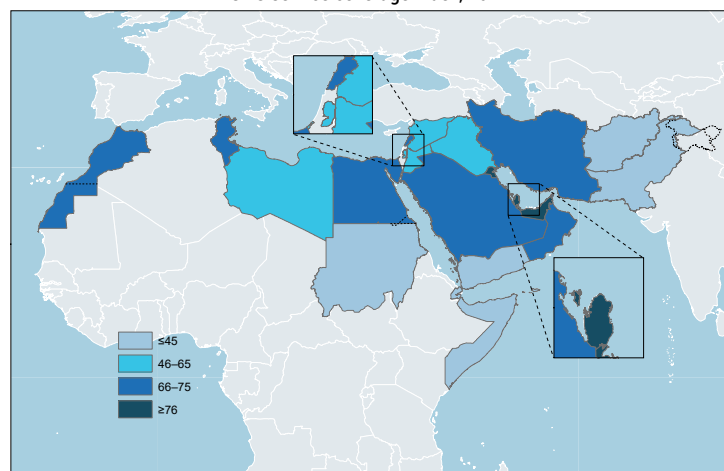
Monitoring framework for neglected tropical diseases in the Eastern Mediterranean Region (EMR)

Target	Baseline 2020	Milestones 2023	Milestones 2025
Leprosy: To maintain the rate of grade-2 disability (G2D) to less than 1 per million in all countries by 2025 (except Somalia, Sudan)	EMR: 0.3	<1 EMR	<1 EMR
Visceral leishmaniasis: To reduce case fatality by primary visceral leishmaniasis to less than 1% in selected countries in the Region by 2025	6	7	10
Cutaneous leishmaniasis (CL): To increase detection and treatment of CL cases by 2025 in all endemic countries	Unknown	Will be determined based on the tools and guidance available from WHO to estimate all CL cases.	
Onchocerciasis: To increase coverage of preventive chemotherapy treatment to at least effective coverage levels in all endemic countries	1	2	2
Lymphatic filariasis: To scale down treatment in Sudan	1	1	1
Schistosomiasis: To eliminate schistosomiasis as public health problem	0	3	5
Soil-transmitted helminthiasis: To increase coverage of preventive chemotherapy treatment to at least effective coverage levels in all endemic countries by 2025	2	6	7
Trachoma: To eliminate trachoma in selected endemic countries	3	6	7
Mycetoma: To strengthen surveillance of mycetoma in 11 EMR countries by 2025	1	5	11
Scabies: To scale up management of scabies in 2 endemic countries by 2025	0	0	2
Rabies: To enhance the annual country reporting and to reduce the number of countries reporting new human rabies cases in the Region	7	9	11
Dracunculiasis: To certify eradication of dracunculiasis in all EMR countries by 2022	0	1	1
Yaws: To certify eradication of yaws	0	0	1

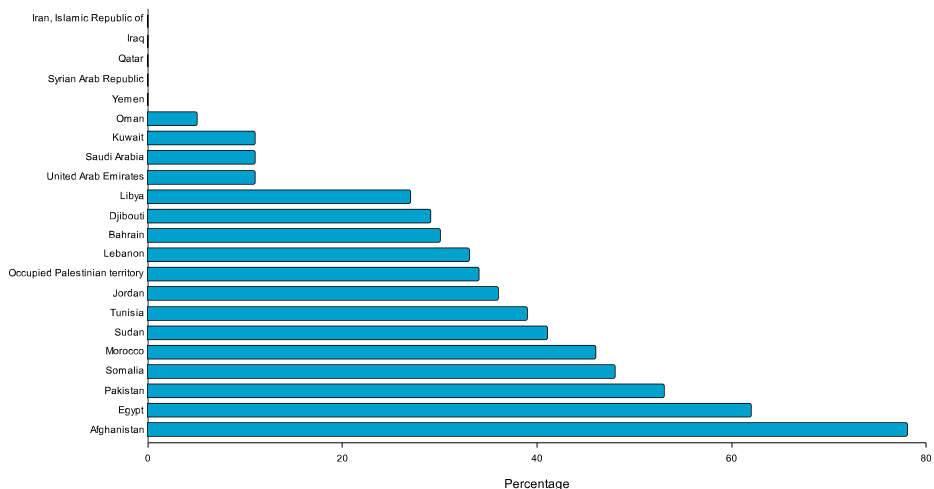
Health financing and universal health coverage

Country	Per capita current health expenditure (CHE)	Out-of-pocket expenditure (OOPS) as percentage of CHE	Domestic general government health expenditure (GGHE-D) as percentage of general government expenditure (GGE)		Incidence of catastrophic expenditure at 25% of household consumption or income	Incidence of impoverishment due to out-of-pocket health expenditure		UHC service coverage index, 2021 ^P
	US\$ exchange rate	%	%	Y	%	%	Y	%
Afghanistan	50	78	2	2018	24.7	9.6	2017	41
Bahrain	1 005	30	10	2018	...	...	...	76
Djibouti	71	29	4	2018	...	...	...	44
Egypt	126	62	5	2020	...	...	...	70
Iran, Islamic Republic of	...	...	...	...	...	...	...	74
Iraq	...	...	7	2022	...	...	...	59
Jordan	299	36	11	2019	1.3	0.0	2018	65
Kuwait	1 493	11	11	2021	0.0	0.0	2020	78
Lebanon	936	33	13	2017	...	...	...	73
Libya	612	27	...	2018	...	...	...	62
Morocco	175 ^d	46	7	2021	0.9	...	2019	69
Occupied Palestinian territory	384	34	15	2022	1.0	...	2022	65
Oman	845	5	10	2022	...	...	...	70
Pakistan	41	53	4	2020	0.5	1.0	2021	45
Qatar	...	...	...	...	0.0	0.0	2020	76
Saudi Arabia	1 684	11	12	2021	0.6	...	2018	74
Somalia	...	48	5	2022	...	...	...	27
Sudan	61	41	23	2018	7.0	...	2018	44
Syrian Arab Republic	...	...	...	...	...	...	...	64
Tunisia	252	39	14	2018	...	...	...	67
United Arab Emirates	2 194	11	11	2020	0.4	0.0	2020	82
Yemen	...	...	...	...	...	...	...	42

UHC service coverage index, 2021

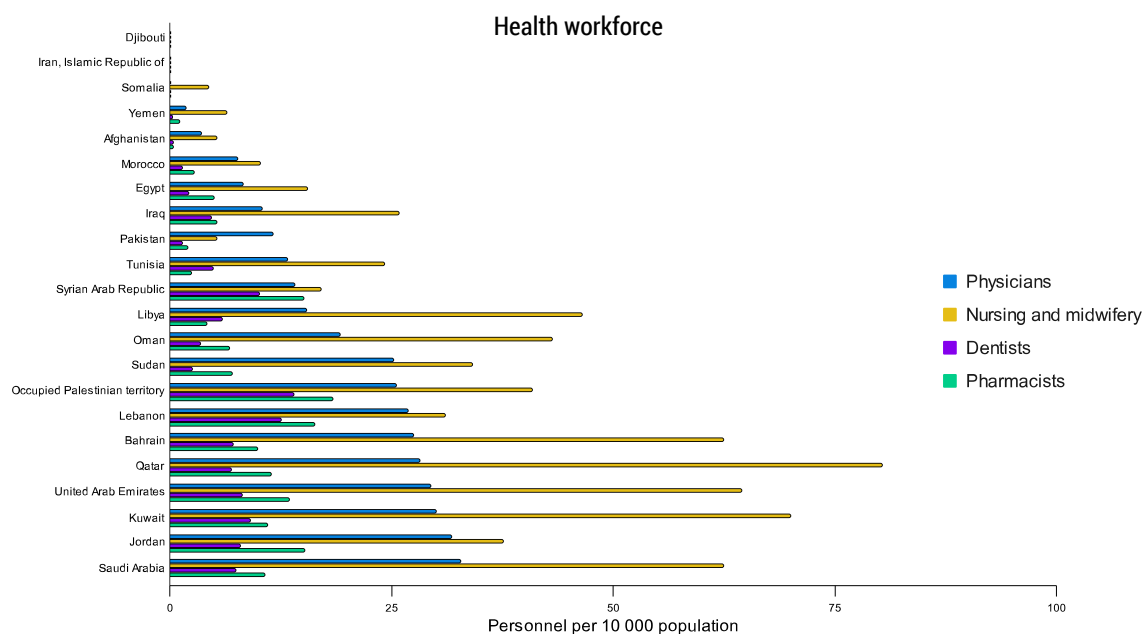


Out-of-pocket expenditure as a percentage of current health expenditure



Health workforce

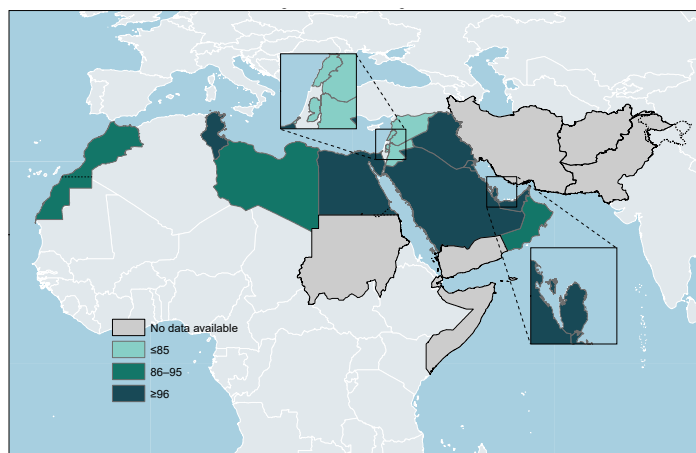
Country	Personnel per 10 000 population					Registered recent graduates of health profession educational institutions per 100 000 population				
	Physicians	Nursing and midwifery	Dentists	Pharmacists	Y	Physicians	Nursing and midwifery	Dentists	Pharmacists	Y
	R	R	R	R		R	R	R	R	
Afghanistan	3.5	5.2	0.3	0.3	2019	28.0	30.0	6.0	4.0	2019
Bahrain	27.4	62.4	7.1	9.8	2021	...	...	...	...	...
Djibouti	...	...	...	...	...	...	...	...	...	...
Egypt	8.2	15.5	2.1	4.9	2018	...	...	...	...	...
Iran, Islamic Republic of	...	...	...	...	...	...	...	...	...	...
Iraq	10.3	25.8	4.6	5.2	2020	10.7	25.5	5.2	6.5	2022
Jordan	31.7	37.5	7.9	15.1	2022	17.8	19.9	4.5	16.0	2022
Kuwait	30.0	70.0	9.0	11.0	2021	1.7	0.2	1.4	0.6	2018
Lebanon	26.8	31.0	12.5	16.3	2020	...	...	...	...	...
Libya	15.3	46.4	5.8	4.1	2020	...	2.0	4.3	0.8	2017
Morocco	7.6	10.1	1.3	2.7	2022	3.8	5.7	0.7	0.5	2019
Occupied Palestinian territory	25.5	40.8	13.9	18.3	2022	7.8	52.4	8.4	12.7	2021
Oman	19.1	43.1	3.4	6.7	2022	0.7	2.2	0.3	0.6	2019
Pakistan	11.6	5.2	1.3	2.0	2021	7.0	13.7	1.5	2.3	2021
Qatar	28.1	80.3	6.9	11.4	2022	1.3	2.3	...	1.2	2020
Saudi Arabia	32.7	62.4	7.4	10.6	2022	11.0	11.9	4.9	6.8	2022
Somalia	...	4.3	...	...	2020	...	...	...	...	...
Sudan	25.2	34.1	2.5	7.0	2020	...	...	...	...	...
Syrian Arab Republic	14.0	17.0	10.0	15.0	2021	17.6	5.7	8.9	9.3	2021
Tunisia	13.2	24.1	4.8	2.4	2019	...	...	...	...	...
United Arab Emirates	29.4	64.4	8.1	13.4	2021	5.1	4.4	5.2	5.7	2021
Yemen	1.7	6.3	0.2	1.0	2020	...	...	...	...	...



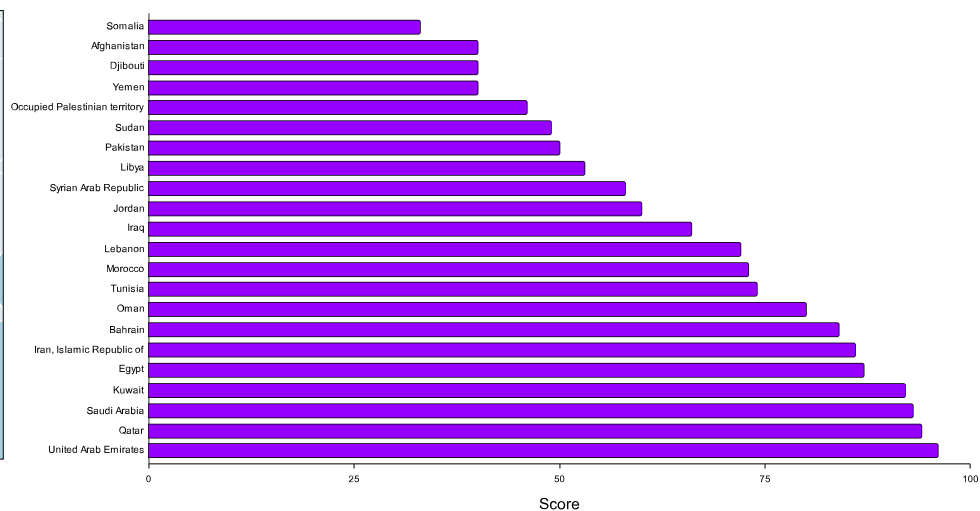
Country capacity

Country	International Health Regulations (IHR) technical areas					IHR index 2022	JEE score 2016–2020	Health information system, 2022		Completeness of cause-of-death data	
	Detect	Prevent	Respond	Points of entry and other IHR-related hazards	Y			%	%	%	Y
	R	R	R	R							
Afghanistan	...	...	...	...	...	40	31	45	...	24	2020
Bahrain	...	...	...	...	...	84	71	...	100 ^a	100	2021
Djibouti	33.0	43.0	26.0	23.0	2018	40	28	...	...	...	...
Egypt	76.0	81.0	75.7	86.7	2018	87	58	98	98	95	2022
Iran, Islamic Republic of	...	...	...	...	...	86	...	...	...	...	...
Iraq	41.3	52.3	44.2	53.3	2019	66	49	98	96	92	2022
Jordan	...	...	...	...	...	60	52	98 ^e	85	55	2018
Kuwait	72.0	73.8	75.7	76.7	2017	91	72	100 ^b	100	100	2021
Lebanon	...	...	...	...	...	72	55	80 ^c	80	85	2021
Libya	44.0	54.0	34.0	37.0	2018	53	40	100 ^d	95 ^a	81	2018
Morocco	...	...	...	...	...	73	64	93.2 ^d	86	37.3	2020
Occupied Palestinian territory	...	...	...	...	...	46	...	99.2 ^b	79	100	2022
Oman	81.3	75.4	90.0	80.0	2017	80	81	99 ^c	95	81	2019
Pakistan	...	...	...	...	...	50	54	...	...	...	...
Qatar	...	...	...	...	...	94	64	100	100	82	2022
Saudi Arabia	60.0	66.0	73.0	77.0	2017	93	77	99 ^a	100	98	2018
Somalia	...	...	...	...	...	33	27	4 ^b	...	...	...
Sudan	...	...	...	...	...	49	50	67 ^b	...	...	...
Syrian Arab Republic	...	...	...	...	...	58	...	95	80	...	...
Tunisia	...	...	...	...	...	74	55	100 ^d	99 ^c	39	2017
United Arab Emirates	85.3	84.6	98.6	90.0	2017	96	90	100 ^a	100	67	2021
Yemen	...	...	...	...	...	40	...	29.4	...	...	...

Deaths registration coverage, 2022



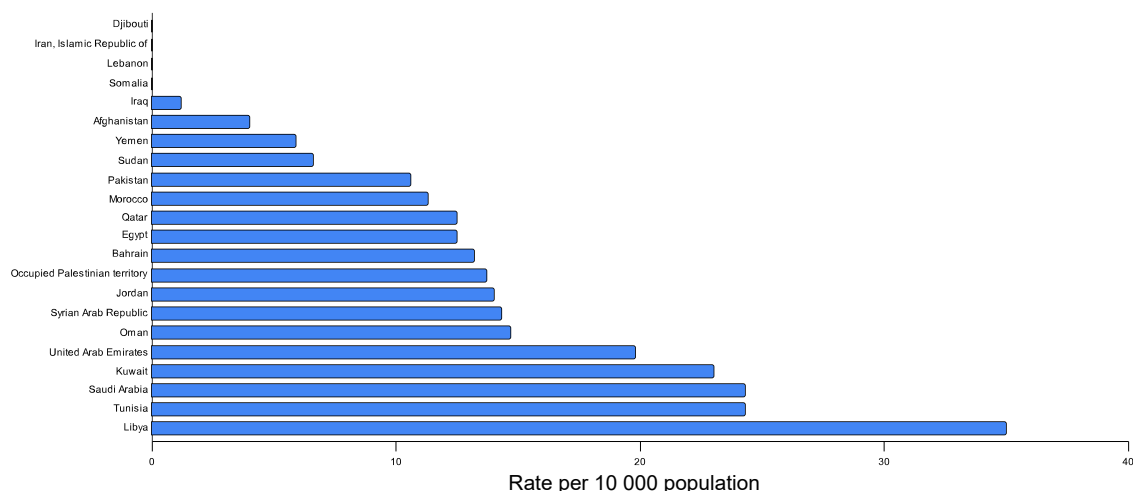
IHR index 2022



Service delivery and quality

Country	Availability of selected essential medicines in public and private health facilities, 2022		Medical devices, 2022					Primary health care facilities	Hospital beds	Surgical wound infection		Proportion of bloodstream infection due to <i>Escherichia coli</i> -resistant to 3rd-generation cephalosporin, median (%), 2020	Proportion of bloodstream infection due to methicillin-resistant <i>Staphylococcus aureus</i> (MRSA), median (%), 2020	Annual outpatient visits per capita		
	Public	Private	Computed tomography	Radiotherapy	Magnetic resonance imaging	ICU ventilators	Mammographs	Per 10 000 population		Y	%	Y	%	Ratio	Y	
	%							R	R	Y	%	Y	%	Ratio	Y	
Afghanistan	...	...	...	...	...	...	...	1.2	4.0	2019	...	...	...	...	2.4	2022
Bahrain	100.0 ^c	100.0 ^c	...	...	...	...	...	0.2	13.2	2021	...	...	59.0	34.3	4.9	2017
Djibouti	...	...	...	...	...	...	...	...	...	...	...	...	0.0	...	...	...
Egypt	...	...	...	...	...	...	...	0.5	12.5	2020	...	...	89.5	100.0	...	...
Iran, Islamic Republic of	...	...	...	...	...	...	...	...	...	...	...	...	39.1	44.0	...	...
Iraq	...	...	169.0	97.0 ^a	109.0	...	72.0	6.9	1.2	2022	...	...	94.8	86.3	1.6	2022
Jordan	100.0	100.0	5.5 ^c	0.8 ^c	2.1 ^c	...	129.1 ^b	0.6	14.0	2022	0.7	2022	64.5 (52.9) ^f	58.3 (52.9) ^f	0.8	2022
Kuwait	100.0 ^a	100.0 ^a	5.5 ^d	0.9 ^d	5.3 ^d	...	3.5 ^d	0.2	23.0	2021	1.9	2021	51.8 (54.0) ^a	43.5 (54.0) ^a	1.5	2021
Lebanon	...	...	110.0 ^c	...	41.0 ^c	...	...	1.8	...	2021	...	...	56.4	35.0	...	...
Libya	13.0 ^c	...	12.0 ^b	0.7 ^b	7.0 ^b	...	2.4 ^b	2.1	35.0	2021	...	...	61.5	70.0	...	...
Morocco	...	...	0.3	...	0.7	...	3.3	8.1	11.3	2022	...	...	...	...	0.4	2019
Occupied Palestinian territory	83.0	99.0 ^a	20.2	0.2	8.7	...	9.0	1.5	13.7	2022	...	...	47.3	89.4	2.1	2019
Oman	...	...	4.0 ^a	0.2 ^a	1.1	...	83.3	0.5	14.7	2022	...	...	78.9	31.8	4.4	2021
Pakistan	...	...	...	...	...	...	...	0.6	10.6	2022	...	...	82.3	69.4	0.7	2022
Qatar	100.0	...	11.9	1.7	11.6	...	1.7	0.1	12.5	2022	1.2	2022	40.0 (45.3) ^f	32.0 (29.7) ^f	3.3	2022
Saudi Arabia	100.0	...	21.4	0.9 ^a	11.6	181 ^a	8.3	0.7	24.3	2022	0.7	2020	58.3 (36.7) ^a	49.0 (37.3) ^a	5.2	2022
Somalia	...	...	...	...	...	...	...	...	...	...	...	...	...	46.6	40.8	2022
Sudan	48.7 ^c	59.0 ^c	1.1 ^c	0.2 ^c	...	...	9.7 ^c	0.9	6.6	2020	...	...	...	...	0.5	2018
Syrian Arab Republic	...	...	...	...	...	...	...	1.0	14.3	2021	...	...	...	...	8.0	2021
Tunisia	...	11.6 ^c	16.0 ^b	2.1 ^c	5.4 ^c	...	2.4 ^d	1.9	24.3	2019	...	...	31.0	12.1	1.3	2018
United Arab Emirates	100.0	100.0	25.4 ^c	1.3 ^c	10.6 ^c	...	21.8 ^c	3.7	19.8	2021	0.2	2021	54.1	42.5	2.7	2021
Yemen	...	...	...	...	...	...	...	1.4	5.9	2020	...	...	...	...	...	...

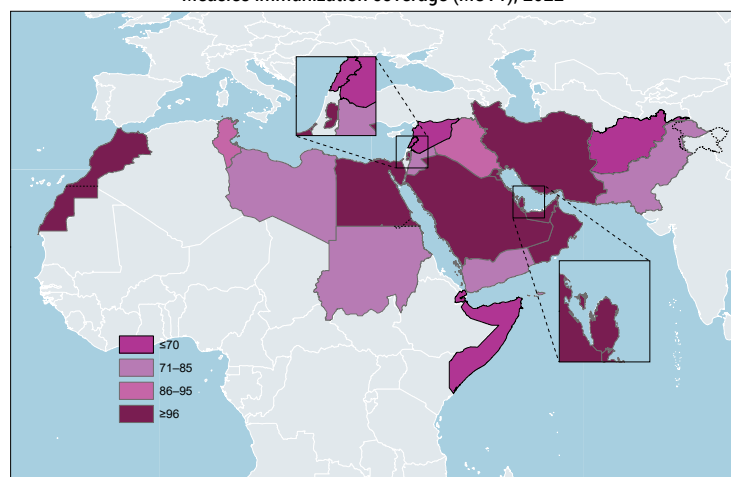
Hospital beds



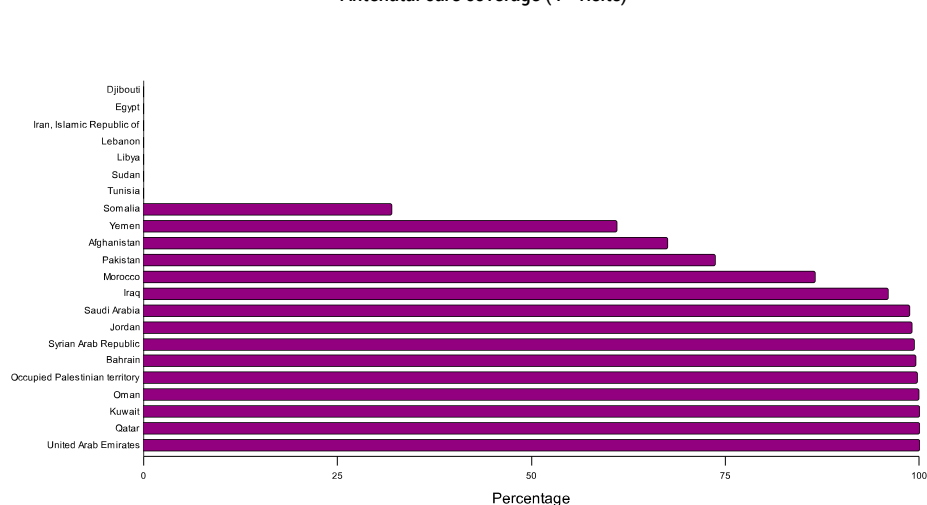
Coverage of selected interventions (1/2)

Country	Demand for family planning satisfied with modern methods, All women (UN Population Division estimate, 2022)	Antenatal care coverage (1+ visits)	Antenatal care coverage (4+ visits)	Skilled birth attendance		Children under 5 with diarrhoea treated with oral rehydration therapy, 2022	DTP3-containing vaccine/pentavalent coverage among children under 1 year, 2022	Measles immunization coverage (MCV1), 2022	Coverage of services for severe mental health disorders		Treatment coverage for opioid dependence, 2021
	%	%	%	%	Y	%	%	%	%	Y	
Afghanistan	47.7	76.4	33.4	67.5	2022	32.6	69	68	...	2020	1-10%
Bahrain	58.6	100.0 ^c	99.1 ^c	99.5	2022	...	97	99	...	2020	...
Djibouti	51.5	...	...	...	...	...	59	50	...	2020	...
Egypt	80.6	...	...	...	...	6.6 ^a	97	96	...	2020	≥40%
Iran, Islamic Republic of	76.5	...	...	...	...	...	99	99	...	2020	...
Iraq	58.0	46.0	23.0	96.0	2022	96.0	93	88	19%	2020	...
Jordan	57.0	98.0	79.0	99.0	2017	49.0	77	76	...	2020	...
Kuwait	67.2	...	...	100.0	2020	...	96	99	15%	2020	21-40%
Lebanon	62.4	94.0	90.0	96.0	2017	...	67	67	11%	2020	...
Libya	39.0	...	...	...	...	...	73	73	...	2020	...
Morocco	74.1	88.5	60.9	86.6	2018	10.8 ^d	99	99	65%	2020	21-40%
Occupied Palestinian territory	63.7	98.7	94.8	99.7	2020	34.5 ^a	98	97	20%	2020	21-40%
Oman	41.1	99.6 ^c	73.9 ^c	99.9	2021	...	99	97	...	2020	...
Pakistan	52.8	92.2	52.4	73.7	2019	84.0 ^b	85	82	...	2020	11-20%
Qatar	64.5(93) ^e	...	...	100.0	2022	62.0	98	99	...	2020	...
Saudi Arabia	47.4(60.1) ^d	94.6	79.7	98.7	2019	100.0	98	98	...	2020	11-20% (100%) ^f
Somalia	7.6	91.9	8.0	32.0	2022	...	42	46	...	2020	...
Sudan	35.2	83.8	51.2	...	2021	...	84	81	...	2020	...
Syrian Arab Republic	61.9	...	...	99.3	2021	5.0	46	41	20%	2020	...
Tunisia	69.6	...	...	...	...	...	97	95	...	2020	...
United Arab Emirates	60.7(67.2) ^d	100.0	98.6	100.0	2021	100.0 ^b	96	98	87%	2020	11-20%
Yemen	49.1	70.0	32.0	61.0	2022	25.3	74	73	...	2020	...

Measles immunization coverage (MCV1), 2022



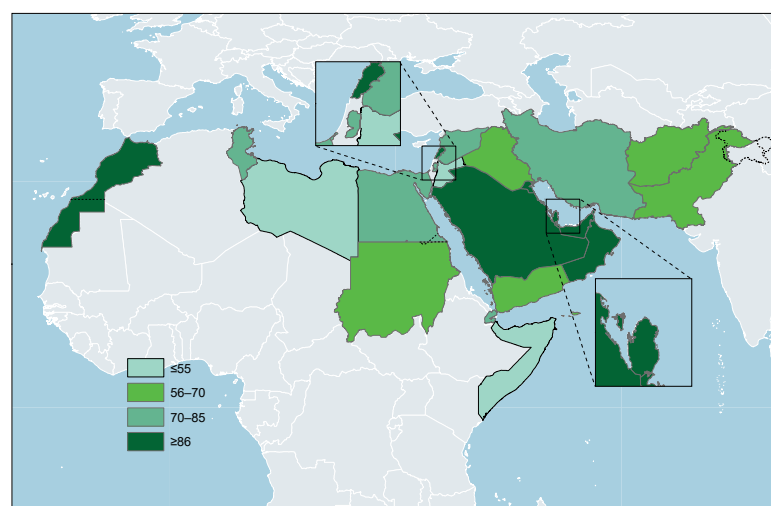
Antenatal care coverage (4+ visits)



Coverage of selected interventions (2/2)

Country	Tuberculosis treatment success rate of new and relapse cases notified, 2021	Tuberculosis treatment coverage rate, 2022	Suspected malaria cases that have had a diagnostic test, 2022	Percentage of population sleeping under insecticide-treated nets		Adults and children currently receiving ARV therapy among all adults and children living with HIV, estimates, 2022 ^d	Key populations at higher risk who have received an HIV test in the past 12 months and know their results			
	%	%	%	%	Y	%	PWID	SW	MSM	Y
							%			
Afghanistan	93	68	99	...	...	9	...	...	...	...
Bahrain	44	87	100	N/A	...	...	...	...	...	...
Djibouti	82	80	100	...	...	...	...	...	...	...
Egypt	88	74	100	N/A	...	47	95.4	30.2	96.7	2018
Iran, Islamic Republic of	83	72	100	...	...	37	...	...	...	...
Iraq	93	66	100	N/A	...	30	...	...	...	...
Jordan	85	54	100	N/A	...	50(79) ^f	...	...	...	...
Kuwait	100	87	100	N/A	...	93(88) ^a	...	...	...	...
Lebanon	88	87	100	N/A	...	80	...	...	92.3	2019
Libya	62	54	100	N/A	...	64	...	...	...	...
Morocco	87	88	100	N/A	...	74(79) ^a	33.0	57.3	55.0	2020
Occupied Palestinian territory	92	80	100	N/A	...	(100) ^f	...	...	...	...
Oman	61	87	100	N/A	...	71	...	...	...	...
Pakistan	94	70	100	N/A	...	13(14) ^a	61.3	66.7	54.4	2021
Qatar	75	87	100	N/A	...	41(97) ^a	...	...	...	...
Saudi Arabia	90	87(89) ^a	100	N/A	...	90(99) ^a	100.0	...	...	2019
Somalia	93	41	96	...	...	(54) ^f	...	...	...	...
Sudan	86 ^b	69 ^a	69	...	...	28	...	84.2	84.4	2018
Syrian Arab Republic	96	80	100	N/A	...	51	...	...	...	...
Tunisia	84	71	100	N/A	...	26	28.6	7.7	...	2017
United Arab Emirates	85	87(100) ^f	100	N/A	2020	47(100) ^f	...	...	...	...
Yemen	89	64	97	...	...	39	...	21.0	...	2018

Tuberculosis treatment coverage rate, 2022



List of regional core health indicators

Health determinants and risks

Demographic and socioeconomic determinants

Population size
Population growth rate
Total fertility rate
Adolescent fertility rate (15–19 years)
Net primary school enrolment
Population below the international poverty line
Literacy rate among persons 15–24 years
Access to improved sanitation facilities
Access to improved drinking water
Health life expectancy (HALE) at birth (years)
Healthy life expectancy (HALE) at age 60 (years)

Risk factors

Low birth weight among newborns
Exclusive breastfeeding rate 0–5 months of age
Children under 5 who are stunted
Children under 5 who are wasted
Children under 5 who are overweight
Children under 5 who are obese
Overweight (13–18 years)
Obesity (13–18 years)
Overweight (18+ years)
Obesity (18+ years)
Tobacco use among persons 13–15 years
Tobacco use among persons 15+ years
Harmful use of alcohol (15+ years)
Insufficient physical activity (13–18 years)
Insufficient physical activity (18+ years)
Raised blood glucose among persons 18+ years
Raised blood pressure among persons 18+ years
Anaemia among women of reproductive age

Health status

Life expectancy and mortality

Life expectancy at birth
Neonatal mortality rate
Infant mortality rate
Under-five mortality rate
Maternal mortality ratio
Mortality rate by main cause of death (age-standardized)
Probability of dying between age 30 and exact age 70 from any of cardiovascular disease, cancer, diabetes, chronic respiratory diseases
Mortality rate from road traffic injuries
Mortality rate attributed to household and ambient air pollution
Mortality rate attributed to unsafe water, unsafe sanitation and lack of hygiene
Suicide mortality rate

Morbidity

Cancer incidence by all types of cancer
Tuberculosis notification rate
Estimated number of new HIV infections cases
Estimated number of new HIV reported cases
Incidence of hepatitis B
Incidence of confirmed malaria cases
Incidence of measles cases
Number of people requiring interventions against neglected tropical diseases
Number of new cases requiring individual treatment and care (dracunculiasis, cutaneous leishmaniasis, visceral leishmaniasis, leprosy, rabies, mycetoma)
Number of people requiring mass treatment (preventive chemotherapy) (lymphatic filariasis, onchocerciasis, schistosomiasis, soil-transmitted helminthiasis, trachoma)

Health system response

Health financing

Per capita current health expenditure
Out-of-pocket expenditure as % of current health expenditure
Domestic general government health expenditure as % general government expenditure
Incidence of catastrophic expenditure at 25% of household consumption or income
Incidence of impoverishment due to out-of-pocket health expenditure
UHC service coverage index

Health workforce

Density of health workers:
a-Physicians
b-Nursing and midwifery
c-Dentists
d-Pharmacists
Density of recent graduates of registered health profession educational institutions

Country capacity

International Health Regulations (IHR) technical areas
IHR annual reporting
Joint external evaluation (JEE) score

Health information system

Birth registration coverage
Death registration coverage
Completeness of cause of death data

Medicines and medical devices

Availability of selected essential medicines in health facilities
Density per million population of selected medical devices in public and private health facilities

Service delivery

Density of primary health care facilities
Hospital bed density
Surgical wound infection rate
Proportion of bloodstream infection due to *Escherichia coli* resistant to 3rd-generation cephalosporin, median (%)
Proportion of bloodstream infection due to methicillin-resistant *Staphylococcus aureus* (MRSA), median (%)
Annual number of outpatient department visits, per capita

Service coverage

Demand for family planning satisfied with modern methods, all women
Antenatal care coverage (1+; 4+)
Skilled birth attendance
Children under 5 with diarrhoea receiving oral rehydration therapy
DTP3/pentavalent immunization coverage rate among children under 1 year of age
Measles immunization coverage rate (MCV1)
Coverage of service for severe mental health disorders
Treatment coverage for opioid dependence
Tuberculosis treatment success rate of new and relapse cases
Tuberculosis treatment coverage rate
Percentage of suspected malaria cases that have had a diagnostic test
Percentage of population sleeping under insecticide-treated nets
Antiretroviral therapy (ART) coverage among all adults and children living with HIV
Percentage of key populations at higher risk (who inject drugs, sex workers, men who have sex with men) who have received an HIV test in the past 12 months and know their results

Health information and research in the Eastern Mediterranean Region at a glance – 2023

National data for health

9

countries have NOT conducted a census in the last 10 years

Low/lower-middle income 6
Upper-middle income 3
High income 0



11

countries have conducted population-based surveys that meet international standards within the last 5 years

Only

76.8% of births and

61.4% of deaths in the Region are registered appropriately and in a timely manner



11

countries have conducted comprehensive assessments of their national health information systems since 2016–2022



19

countries use ICD-10 for mortality and morbidity recording

5

countries are piloting ICD-11



12

countries have reported cause-specific mortality data in the last 5 years



Research and dissemination

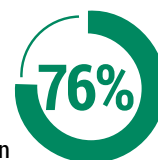


56

WHO collaborating centres are currently active in the Region (December 2022)

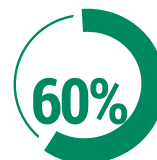
16 out of 21

countries reported having a health research governance unit/body within the ministry of health (2021)



12 out of 20

countries reported having a national ethics/bioethics committee (2021)



2 countries have national primary clinical trial registries



Evidence to policy

31

Institutions are members of the regional Network of Institutions for Evidence and Data to Policy (NEDtP)



Participants from

21

countries attended

10

capacity-building programmes



170 women and 211 men were trained in evidence-informed policy-making

Regional journals

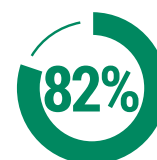
Academic journals in the Region indexed in PubMed & Index Medicus for the Eastern Mediterranean Region (IMEMR)



- 939 peer-reviewed journals in Region are indexed in IMEMR
- 929 Journals are open access
- 188 Journals are indexed in PubMed

5

countries produce of the Region's public health research publications (PubMed 2004–2018)



5

universities produce over 17% of all the Region's health research publications indexed in PubMed (2004–2018)



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