



	Access to an improved water source		Access to improved sanitation facilities		Child immunization rate		Children with acute respiratory infection taken to health provider	Children with diarrhea who received oral rehydration and continuous feeding	Children sleeping under treated bed nets	Children with fever receiving antimalarial drugs	Tuberculosis	
	% of population		% of population		Measles	DTP3					Treatment success rate	Cases detection rate
					% of children ages 12-23 months	% of children ages 12-23 months	% of children under age 5 with ARI	% of children under age 5 with diarrhea	% of children under age 5	% of children under age 5 with fever	% of new registered cases	% of new estimated cases
	1990	2012	1990	2012	2012	2012	2007-12	2007-12	2007-12	2007-12	2011	2012
Afghanistan	..	64	..	29	68	71	61	48	..	..	91	52
Albania	..	96	79	91	99	99	70	63	..	..	93	81
Algeria	94	84	89	95	95	95	..	..	..	..	92	64
American Samoa	94	100	61	62	..	..	..	..	..	..	100	70
Andorra	100	100	100	100	98	99	..	..	..	..	100	87
Angola	42	54	29	60	97	91	..	..	25.9	28.3	55	79
Antigua and Barbuda	97	98	75	91	98	98	..	..	..	..	17	87
Argentina	94	99	86	97	94	91	..	..	..	..	52	84
Armenia	..	100	..	91	97	95	57	77	..	..	63	79
Aruba	91	98	99	98	..	..	..	..	..	..	92	170
Australia	100	100	100	100	94	92	..	..	..	..	77	87
Austria	100	100	100	100	76	83	..	..	..	..	71	93
Azerbaijan	70	80	..	82	66	75	..	..	..	..	78	72
Bahamas, The	..	98	..	92	91	98	..	..	..	..	70	87
Bahrain	95	100	99	99	99	99	..	..	..	..	34	87
Bangladesh	68	85	33	57	96	96	35	76	..	0.6	92	49
Barbados	95	100	82	..	90	87	..	..	..	..	100	87
Belarus	100	100	95	94	98	98	94	61	..	..	60	72
Belgium	100	100	100	100	96	99	..	..	..	..	77	85
Belize	73	99	76	91	96	98	82	43	..	..	0	65
Benin	57	76	5	14	72	85	31	..	71.0	38.4	90	57
Bermuda	..	..	..	..	..	..	..	..	..	..	0	87
Bhutan	..	98	..	47	95	97	74	62	..	..	91	85
Bolivia	69	88	28	46	84	80	51	29	..	..	86	62
Bosnia and Herzegovina	97	100	..	95	94	92	87	55	..	..	70	76
Botswana	92	97	39	64	94	96	..	..	..	..	81	75
Brazil	88	98	67	81	99	94	50	..	..	..	76	82
Brunei Darussalam	..	..	..	..	99	90	..	..	..	..	66	87
Bulgaria	100	99	99	100	94	95	..	..	..	..	86	90
Burkina Faso	44	82	8	19	87	90	56	33	47.4	35.1	78	58
Burundi	69	75	42	47	93	96	55	43	45.3	17.2	92	54
Cabo Verde	..	89	..	65	96	90	..	..	..	..	77	59
Cambodia	22	71	3	37	93	95	64	48	..	0.3	93	66
Cameroon	51	74	40	45	82	85	30	47	21.1	23.1	80	48
Canada	100	100	100	100	98	95	..	..	..	..	62	100
Cayman Islands	..	96	96	96	..	..	..	..	..	..	100	87
Central African Republic	59	68	15	22	49	47	30	38	36.4	34.1	68	49
Chad	40	51	8	12	64	45	26	23	9.8	42.7	68	56
Channel Islands	..	..	..	..	..	..	..	..	..	..	..	..
Chile	90	99	85	99	90	90	..	..	..	..	71	87
China	67	92	24	65	99	99	..	..	..	..	95	89
Hong Kong SAR, China	..	..	..	..	..	..	..	..	..	..	69	87
Macao SAR, China	..	..	..	..	..	..	..	..	..	..	86	87
Colombia	88	91	69	80	94	92	64	52	..	..	77	73
Comoros	87	95	18	35	85	86	38	..	41.4	27.8	25	49
Congo, Dem. Rep.	43	46	17	31	73	72	40	39	38.1	39.1	87	51
Congo, Rep.	..	75	..	15	80	85	52	..	26.4	25.0	71	68
Costa Rica	93	97	88	94	90	91	..	..	..	..	88	93
Cote d'Ivoire	76	80	15	22	85	94	38	36	37.2	17.5	78	69
Croatia	98	99	98	98	95	96	..	..	..	..	75	87
Cuba	..	94	81	93	99	96	97	43	..	..	88	70
Curacao	..	..	..	..	..	..	..	..	..	..	0	87
Cyprus	100	100	100	100	86	99	..	..	..	..	64	100
Czech Republic	100	100	100	100	98	99	..	..	..	..	69	99



2.16 World Development Indicators: Disease prevention coverage and quality

	Access to an improved water source		Access to improved sanitation facilities		Child immunization rate		Children with acute respiratory infection taken to health provider	Children with diarrhea who received oral rehydration and continuous feeding	Children sleeping under treated bed nets	Children with fever receiving antimalarial drugs	Tuberculosis	
	% of population		% of population		Measles	DTP3					Treatment success rate	Cases detection rate
	1990	2012	1990	2012	% of children ages 12-23 months	% of children ages 12-23 months	% of children under age 5 with ARI	% of children under age 5 with diarrhea	% of children under age 5	% of children under age 5 with fever	% of new registered cases	% of new estimated cases
	1990	2012	1990	2012	2012	2012	2007-12	2007-12	2007-12	2007-12	2011	2012
Denmark	100	100	100	100	90	94	..	..	..	..	65	87
Djibouti	77	92	62	61	83	81	..	..	19.9	0.9	82	65
Dominica	..	..	..	..	99	97	..	..	..	..	100	75
Dominican Republic	89	81	73	82	79	85	68	23	..	0.6	83	67
Ecuador	74	86	57	83	94	99	..	..	..	..	78	60
Egypt, Arab Rep.	93	99	72	96	93	93	73	19	..	..	88	62
El Salvador	75	90	50	70	93	92	67	..	..	..	93	130
Equatorial Guinea	..	..	..	..	51	33	..	..	..	..	70	87
Eritrea	43	..	9	..	99	99	..	..	48.9	13.1	87	55
Estonia	99	99	95	95	94	94	..	..	..	..	59	87
Ethiopia	13	52	2	24	66	61	27	25	30.1	26.3	90	64
Faeroe Islands	..	..	..	..	..	..	..	..	..	..	..	..
Fiji	85	96	57	87	99	99	..	..	..	..	93	99
Finland	100	100	100	100	97	99	..	..	..	..	67	87
France	100	100	100	100	89	99	..	..	..	..	..	80
French Polynesia	100	100	99	97	..	..	..	..	..	..	80	87
Gabon	..	92	..	41	71	82	68	52	38.8	25.9	51	71
Gambia, The	76	90	..	60	95	98	69	67	33.3	30.2	88	46
Georgia	85	99	96	93	93	92	..	..	..	..	76	78
Germany	100	100	100	100	97	93	..	..	..	..	70	87
Ghana	54	87	7	14	88	92	41	44	39.0	52.6	86	81
Greece	96	100	97	99	99	99	..	..	..	..	..	87
Greenland	100	100	100	100	..	..	..	..	..	..	..	87
Grenada	97	97	98	98	94	97	..	..	..	..	100	23
Guam	100	100	89	90	..	..	..	..	..	..	79	87
Guatemala	81	94	62	80	93	96	..	..	..	..	86	38
Guinea	52	75	8	19	58	59	37	..	26.1	28.1	82	56
Guinea-Bissau	36	74	..	20	69	80	52	53	35.5	51.2	73	48
Guyana	77	98	76	84	99	97	65	39	24.4	6.4	72	86
Haiti	61	62	19	24	58	60	38	57	12.0	2.5	84	76
Honduras	73	90	48	80	93	88	64	61	..	0.2	88	70
Hungary	96	100	100	100	99	99	..	..	..	..	69	65
Iceland	100	100	100	100	90	89	..	..	..	..	88	87
India	70	93	18	36	74	72	..	..	..	..	88	59
Indonesia	70	85	35	59	80	64	75	61	3.3	0.8	90	72
Iran, Islamic Rep.	92	96	71	89	98	99	76	69	..	..	85	70
Iraq	78	85	..	85	69	69	74	26	..	..	89	59
Ireland	100	100	99	99	92	95	..	..	..	..	64	87
Isle of Man	..	..	..	..	..	..	..	..	..	..	..	..
Israel	100	100	100	100	96	94	..	..	..	..	77	87
Italy	100	100	..	..	90	97	..	..	..	..	..	87
Jamaica	93	93	79	80	93	99	..	..	..	..	47	50
Japan	100	100	100	100	96	98	..	..	..	..	52	86
Jordan	97	96	97	98	98	98	77	32	..	..	92	82
Kazakhstan	94	93	96	97	96	99	81	54	..	..	61	81
Kenya	43	62	25	30	93	83	56	43	46.7	23.2	88	79
Kiribati	50	67	28	40	91	94	81	47	..	..	94	80
Korea, Dem. Rep.	100	98	..	82	99	96	80	67	..	..	90	91
Korea, Rep.	..	98	100	100	99	99	..	..	..	..	80	82
Kosovo	..	..	..	..	..	..	..	..	..	..	..	..
Kuwait	99	99	100	100	99	98	..	..	..	..	93	87
Kyrgyz Republic	73	88	91	92	98	96	..	..	..	..	78	80
Lao PDR	..	72	..	65	72	79	54	57	43.2	1.9	92	30
Latvia	98	98	..	..	90	92	..	..	..	..	73	87
Lebanon	100	100	..	..	80	82	..	62	..	..	80	86
Lesotho	78	81	..	30	85	83	66	48	..	..	74	83



2014
People

2.16 World Development Indicators: Disease prevention coverage and quality

	Access to an improved water source		Access to improved sanitation facilities		Child immunization rate		Children with acute respiratory infection taken to health provider	Children with diarrhea who received oral rehydration and continuous feeding	Children sleeping under treated bed nets	Children with fever receiving antimalarial drugs	Tuberculosis	
	% of population		% of population		Measles	DTP3					Treatment success rate	Cases detection rate
	1990	2012	1990	2012	% of children ages 12-23 months	% of children ages 12-23 months	% of children under age 5 with ARI	% of children under age 5 with diarrhea	% of children under age 5	% of children under age 5 with fever	% of new registered cases	% of new estimated cases
	1990	2012	1990	2012	2012	2012	2007-12	2007-12	2007-12	2007-12	2011	2012
Liberia	..	75	..	17	80	77	62	47	37.1	57.1	86	64
Libya	54	..	97	97	98	98	..	..	..	..	59	63
Liechtenstein	..	..	..	..	..	..	..	..	..	..	..	..
Lithuania	87	96	84	94	93	93	..	..	..	..	73	82
Luxembourg	100	100	100	100	96	99	..	..	..	..	0	130
Macedonia, FYR	99	99	..	91	97	96	..	67	..	..	95	89
Madagascar	29	50	8	14	69	86	42	49	76.5	19.8	83	49
Malawi	42	85	10	10	90	96	70	48	56.0	32.5	85	78
Malaysia	88	100	84	96	95	99	..	..	..	..	79	93
Maldives	93	99	68	99	98	99	74	63	..	..	81	80
Mali	28	67	15	22	59	74	42	32	45.6	31.9	68	61
Malta	100	100	100	100	93	99	..	..	..	..	58	87
Marshall Islands	92	95	65	76	78	80	..	69	..	..	88	48
Mauritania	30	50	16	27	75	80	43	34	18.7	19.7	73	20
Mauritius	99	100	89	91	99	98	..	..	..	..	90	49
Mexico	82	95	66	85	99	99	..	..	..	..	86	75
Micronesia, Fed. Sts.	91	89	19	57	91	81	..	..	..	..	96	72
Moldova	..	97	..	87	91	92	..	..	..	..	62	79
Monaco	100	100	100	100	99	99	..	..	..	..	..	87
Mongolia	62	85	..	56	99	99	87	56	..	..	86	66
Montenegro	97	98	..	90	90	94	..	..	..	..	86	87
Morocco	73	84	52	75	99	99	70	..	..	..	80	86
Mozambique	34	49	8	21	82	76	50	56	35.7	29.9	85	34
Myanmar	56	86	..	77	84	85	69	50	11.1	..	86	71
Namibia	67	92	24	32	76	84	..	48	34.0	20.3	84	68
Nepal	66	88	6	37	86	90	50	47	..	0.6	90	78
Netherlands	100	100	100	100	96	97	..	..	..	..	81	87
New Caledonia	..	98	100	100	..	..	..	..	..	..	35	87
New Zealand	100	100	..	..	92	93	..	..	..	..	56	87
Nicaragua	74	85	43	52	99	98	..	..	..	..	86	120
Niger	34	52	5	9	73	74	58	..	20.1	19.2	80	62
Nigeria	46	64	37	28	42	41	40	28	16.4	44.6	85	51
Northern Mariana Islands	94	98	69	80	..	..	..	..	..	..	89	87
Norway	100	100	100	100	94	95	..	..	..	..	91	87
Oman	79	93	82	97	99	98	..	..	..	..	97	87
Pakistan	85	91	27	48	83	81	69	37	..	3.3	92	65
Palau	90	95	46	100	91	89	..	..	..	..	57	80
Panama	84	94	60	73	98	85	..	..	..	..	84	84
Papua New Guinea	34	40	20	19	67	63	..	..	..	..	69	82
Paraguay	53	94	37	80	91	87	..	..	..	..	78	81
Peru	74	87	54	73	94	95	59	64	..	..	74	100
Philippines	84	92	57	74	85	86	50	60	..	0.0	90	84
Poland	..	..	..	..	98	99	..	..	..	..	60	87
Portugal	96	100	94	100	97	98	..	..	..	..	80	89
Puerto Rico	94	..	99	99	..	..	..	..	..	..	73	87
Qatar	100	100	100	100	97	92	..	..	..	..	49	87
Romania	75	..	71	..	94	89	..	..	..	..	85	79
Russian Federation	93	97	74	70	98	97	..	..	..	..	54	81
Rwanda	60	71	30	64	97	98	50	21	69.6	10.8	89	62
Samoa	89	99	93	92	85	92	..	69	..	..	83	66
San Marino	..	..	..	..	87	96	..	..	..	..	..	..
Sao Tome and Principe	..	97	..	34	92	96	75	..	56.2	8.4	72	66
Saudi Arabia	92	97	92	100	98	98	..	..	..	..	61	87
Senegal	60	74	35	52	84	92	50	42	34.5	8.2	85	65
Serbia	99	99	96	97	87	91	90	60	..	..	87	87
Seychelles	96	96	97	97	98	98	..	..	..	..	67	73



2014
People

2.16 World Development Indicators: Disease prevention coverage and quality

	Access to an improved water source		Access to improved sanitation facilities		Child immunization rate		Children with acute respiratory infection taken to health provider	Children with diarrhea who received oral rehydration and continuous feeding	Children sleeping under treated bed nets	Children with fever receiving antimalarial drugs	Tuberculosis	
	% of population		% of population		Measles	DTP3					Treatment success rate	Cases detection rate
	1990	2012	1990	2012	% of children ages 12-23 months	% of children ages 12-23 months	% of children under age 5 with ARI	% of children under age 5 with diarrhea	% of children under age 5	% of children under age 5 with fever	% of new registered cases	% of new estimated cases
	1990	2012	1990	2012	2012	2012	2007-12	2007-12	2007-12	2007-12	2011	2012
Sierra Leone	37	60	11	13	80	84	74	55	30.3	62.1	88	32
Singapore	100	100	99	100	95	96	..	..	..	..	83	87
Sint Maarten (Dutch part)	..	..	..	..	..	..	..	..	..	..	100	87
Slovak Republic	100	100	100	100	99	99	..	..	..	..	91	87
Slovenia	100	100	100	100	95	96	..	..	..	..	81	87
Solomon Islands	..	81	..	29	85	90	73	76	40.4	19.0	90	67
Somalia	..	31	..	23	46	42	..	..	..	..	86	41
South Africa	81	95	58	74	79	68	..	..	..	..	79	62
South Sudan	..	57	..	9	62	59	48	23	25.3	51.2	73	53
Spain	100	100	100	100	97	97	..	..	..	..	73	87
Sri Lanka	68	94	68	92	99	99	58	67	2.9	0.3	87	66
St. Kitts and Nevis	98	98	..	..	95	97	..	..	..	..	100	87
St. Lucia	93	94	58	65	99	98	..	..	..	..	57	180
St. Martin (French part)	..	..	..	..	..	..	..	..	..	..	..	..
St. Vincent and the Grenadines	88	95	63	..	94	96	..	..	..	..	56	110
Sudan	67	55	27	24	85	92	56	12	25.3	65.0	70	44
Suriname	..	95	..	80	73	84	76	61	43.4	0.0	76	58
Swaziland	39	74	49	57	88	95	58	48	1.5	1.7	73	43
Sweden	100	100	100	100	97	98	..	..	..	..	83	87
Switzerland	100	100	100	100	92	95	..	..	..	..	..	87
Syrian Arab Republic	86	90	85	96	61	45	..	..	..	..	84	77
Tajikistan	..	72	..	94	94	94	63	..	..	..	80	47
Tanzania	55	53	7	12	97	92	71	50	72.0	53.7	88	79
Thailand	86	96	82	93	98	99	..	..	..	..	85	76
Timor-Leste	..	70	..	39	62	67	71	63	41.0	6.0	91	69
Togo	48	61	13	11	72	84	32	24	57.1	33.8	85	59
Tonga	99	99	95	91	95	95	..	..	..	..	100	73
Trinidad and Tobago	90	94	93	92	85	92	..	..	..	..	72	87
Tunisia	82	97	73	90	96	97	60	48	..	..	87	96
Turkey	85	100	84	91	98	97	..	22	..	..	90	87
Turkmenistan	..	71	98	99	99	97	..	..	..	..	84	62
Turks and Caicos Islands	..	..	..	..	..	..	..	..	..	..	22	87
Tuvalu	90	98	73	83	98	97	..	48	..	..	75	80
Uganda	42	75	26	34	82	78	79	36	42.8	64.5	77	69
Ukraine	..	98	..	94	79	76	..	..	..	..	58	96
United Arab Emirates	100	100	97	98	94	94	..	..	..	..	73	50
United Kingdom	100	100	100	100	93	97	..	..	..	..	80	88
United States	98	99	100	100	92	95	..	..	..	..	78	87
Uruguay	95	99	92	96	96	95	..	..	..	..	85	87
Uzbekistan	90	87	84	100	99	99	..	..	..	..	78	66
Vanuatu	62	91	..	58	52	68	..	43	55.7	53.1	82	78
Venezuela, RB	90	..	82	..	87	81	..	..	..	..	80	65
Vietnam	61	95	37	75	96	97	73	57	9.4	1.2	93	76
Virgin Islands (U.S.)	100	100	96	96	..	..	..	..	..	..	..	..
West Bank and Gaza	..	82	..	94	..	..	65	43	..	..	100	10
Yemen, Rep.	66	55	24	53	71	82	..	..	..	..	88	85
Zambia	49	63	41	43	83	78	68	56	49.9	34.0	88	68
Zimbabwe	79	80	41	40	90	89	48	46	9.7	2.3	81	46
World	76	89	47	64	84	83	..	..	..	..	87	67
Low income	52	69	19	37	80	80	..	..	40.7	27.7	87	59
Middle income	73	90	37	60	84	82	..	..	..	..	87	69
Lower middle income	71	88	29	48	75	73	..	..	..	..	88	64



2014
People

2.16 World Development Indicators: Disease prevention coverage and quality

	Access to an improved water source		Access to improved sanitation facilities		Child immunization rate		Children with acute respiratory infection taken to health provider	Children with diarrhea who received oral rehydration and continuous feeding	Children sleeping under treated bed nets	Children with fever receiving antimalarial drugs	Tuberculosis	
	% of population		% of population		Measles	DTP3					Treatment success rate	Cases detection rate
	1990	2012	1990	2012	% of children ages 12-23 months	% of children ages 12-23 months	% of children under age 5 with ARI	% of children under age 5 with diarrhea	% of children under age 5	% of children under age 5 with fever	% of new registered cases	% of new estimated cases
	1990	2012	1990	2012	2012	2012	2007-12	2007-12	2007-12	2007-12	2011	2012
Upper middle income	75	93	43	74	96	95	..	..	..	..	87	79
Low & middle income	70	87	35	57	83	82	..	..	..	..	87	66
East Asia & Pacific	68	91	30	67	94	91	..	..	..	..	92	81
Europe & Central Asia	88	95	87	94	94	93	..	..	..	..	73	77
Latin America & Caribbean	85	94	66	81	95	93	..	..	..	..	78	79
Middle East & North Africa	87	90	70	88	88	88	..	..	..	..	85	72
South Asia	71	91	21	40	77	76	..	..	..	..	89	59
Sub-Saharan Africa	48	64	24	30	72	71	..	..	35.2	36.9	82	58
High income	98	99	95	96	94	96	..	..	..	..	63	79
Euro area	100	100	100	100	93	97	..	..	..	..	..	..

Most Recent Value (MRV) if data for the specified year or full period are not available; or growth rate is calculated for less than the full period.

About the Data

Improved water source (% of population with access)

Long definition

Access to an improved water source refers to the percentage of the population using an improved drinking water source. The improved drinking water source includes piped water on premises (piped household water connection located inside the user's dwelling, plot or yard), and other improved drinking water sources (public taps or standpipes, tube wells or boreholes, protected dug wells, protected springs, and rainwater collection).

Source

WHO/UNICEF Joint Monitoring Programme (JMP) for Water Supply and Sanitation (<http://www.wssinfo.org/>).

Improved sanitation facilities (% of population with access)

Long definition

Access to improved sanitation facilities refers to the percentage of the population using improved sanitation facilities. The improved sanitation facilities include flush/pour flush (to piped sewer system, septic tank, pit latrine), ventilated improved pit (VIP) latrine, pit latrine with slab, and composting toilet.

Source

WHO/UNICEF Joint Monitoring Programme (JMP) for Water Supply and Sanitation (<http://www.wssinfo.org/>).

Immunization, measles (% of children ages 12-23 months)

Long definition

Child immunization measures the percentage of children ages 12-23 months who received vaccinations before 12 months or at any time before the survey. A child is considered adequately immunized against measles after receiving one dose of vaccine.

Source

WHO and UNICEF (http://www.who.int/immunization_monitoring/routine/en/).

ARI treatment (% of children under 5 taken to a health provider)

Long definition

Children with acute respiratory infection (ARI) who are taken to a health provider refers to the percentage of children under age five with ARI in the last two weeks who were taken to an appropriate health provider, including hospital, health center, dispensary, village health worker, clinic, and private physician.

Source

UNICEF, State of the World's Children, Childinfo, and Demographic and Health Surveys by ICF International.



Diarrhea treatment (% of children under 5 receiving oral rehydration and continued feeding)

Long definition

Children with diarrhea who received oral rehydration and continued feeding refer to the percentage of children under age five with diarrhea in the two weeks prior to the survey who received either oral rehydration therapy or increased fluids, with continued feeding.

Source

UNICEF, State of the World's Children, Childinfo, and Demographic and Health Surveys by ICF International.

Use of insecticide-treated bed nets (% of under-5 population)

Long definition

Use of insecticide-treated bed nets refers to the percentage of children under age five who slept under an insecticide-treated bednet to prevent malaria.

Source

UNICEF, State of the World's Children, Childinfo, and Demographic and Health Surveys by ICF International.

Children with fever receiving antimalarial drugs (% of children under age 5 with fever)

Long definition

Malaria treatment refers to the percentage of children under age five who were ill with fever in the last two weeks and received any appropriate (locally defined) anti-malarial drugs.

Source

UNICEF, State of the World's Children, Childinfo, and Demographic and Health Surveys by ICF International.

Tuberculosis treatment success rate (% of registered cases)

Long definition

Tuberculosis treatment success rate is the percentage of new, registered smear-positive (infectious) cases that were cured or in which a full course of treatment was completed.

Source

World Health Organization, Global Tuberculosis Control Report.

Please see the online table at <http://wdi.worldbank.org/table/2.16> for observation-level metadata, which can be downloaded in Excel.