

A snapshot of Drinking Water, Sanitation and Hygiene in the UNICEF East Asia & Pacific Region



Photo: UNICEF/UN061868/Brown

Prepared by:
WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene
September 2017



World Health
Organization

WHO
UNICEF

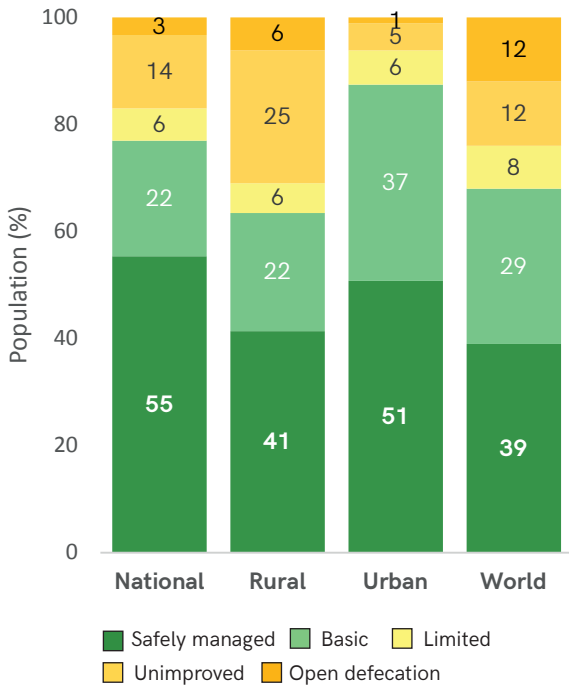


J M P

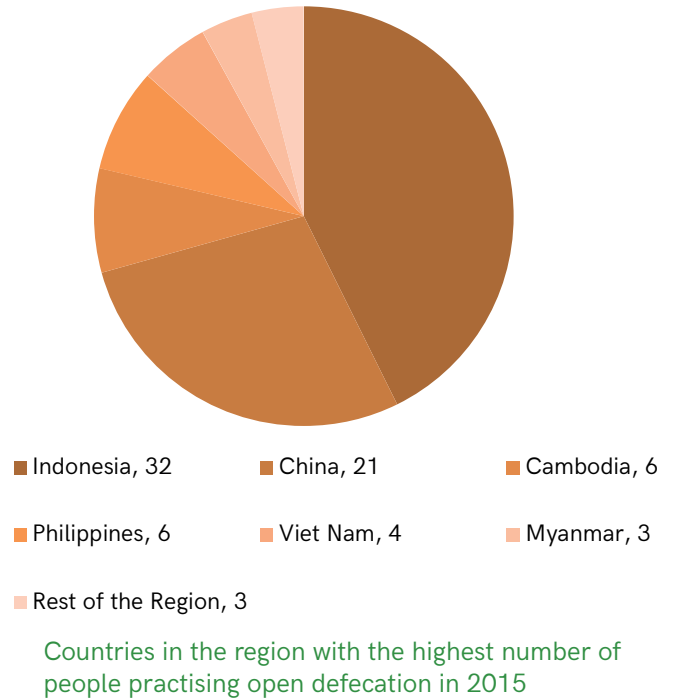
unicef 

Sanitation coverage

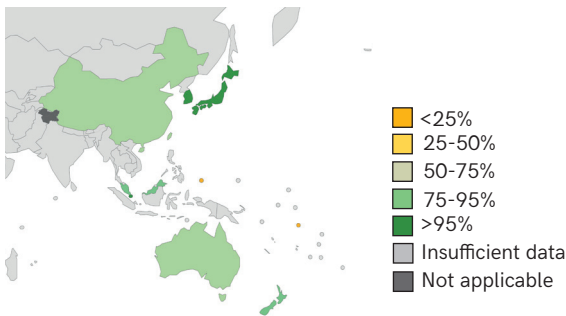
Proportion of population using safely managed, basic, limited, unimproved sanitation services or practising open defecation, 2015



519 million people in the UNICEF East Asia & Pacific Region lacked a basic sanitation service in 2015, 75 million of whom practise open defecation

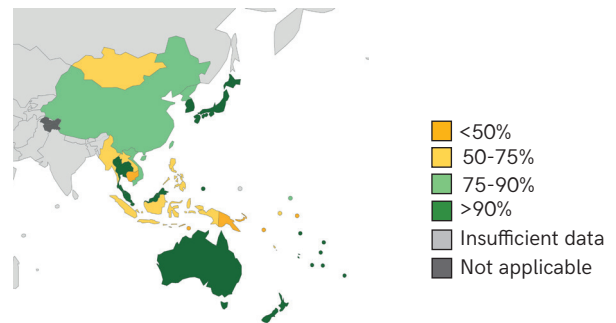


Safely managed sanitation estimate is available for 6 countries in the region



Safely managed - national

Urban coverage of basic sanitation services exceeds 50% in 25 countries, rural coverage exceeds 50% in 19 countries

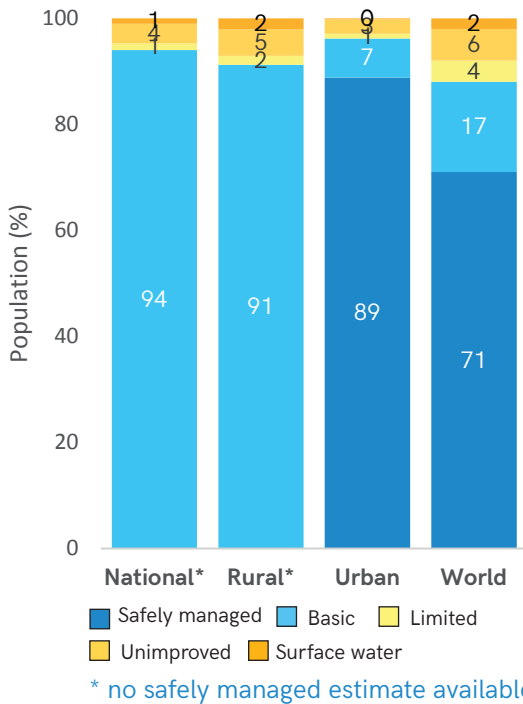


Basic - national

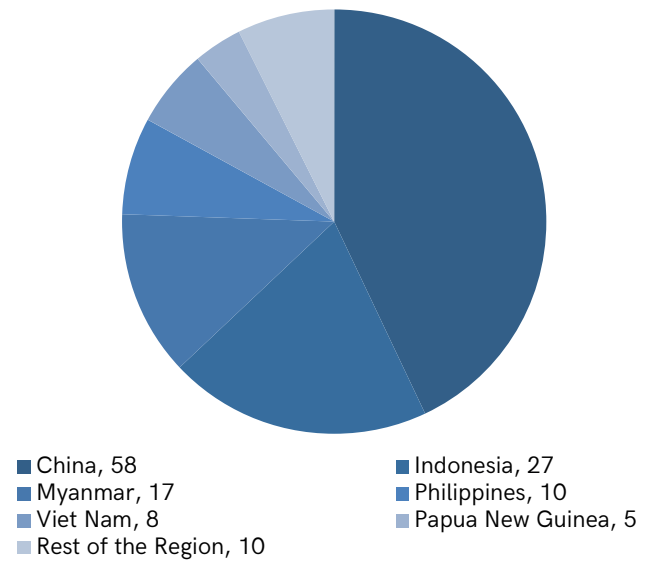


Drinking water coverage

Proportion of population using safely managed, basic, limited, unimproved water services or surface water, 2015



135 million people in the UNICEF East Asia & Pacific Region lacked a basic drinking water service in 2015, 64% of whom live in rural areas

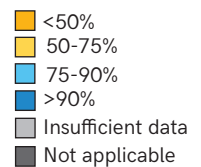
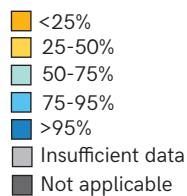


Countries in the region with the highest number of people who did not use a basic water service in 2015

💧 Safely managed drinking water estimate is available for five countries in the region

💧 Urban coverage of basic drinking water services exceeds 50% in 28 countries, rural coverage exceeds 50% in 25 countries

NO REGIONAL ESTIMATE AVAILABLE



Safely managed - national

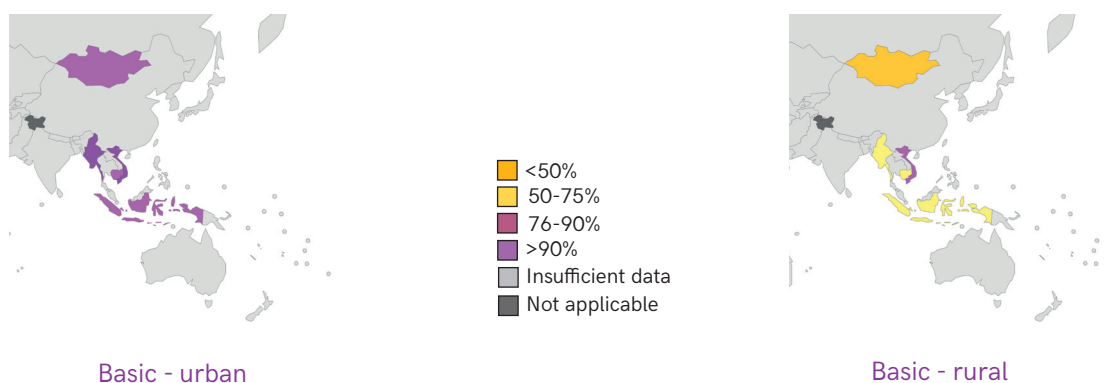
Basic - national



Hygiene coverage

NO REGIONAL ESTIMATE AVAILABLE

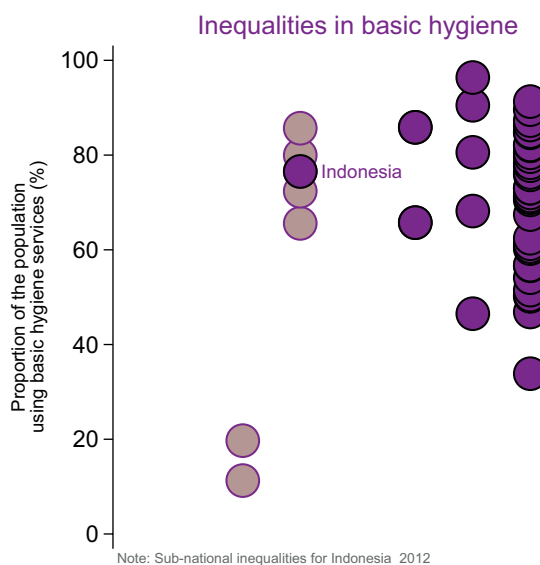
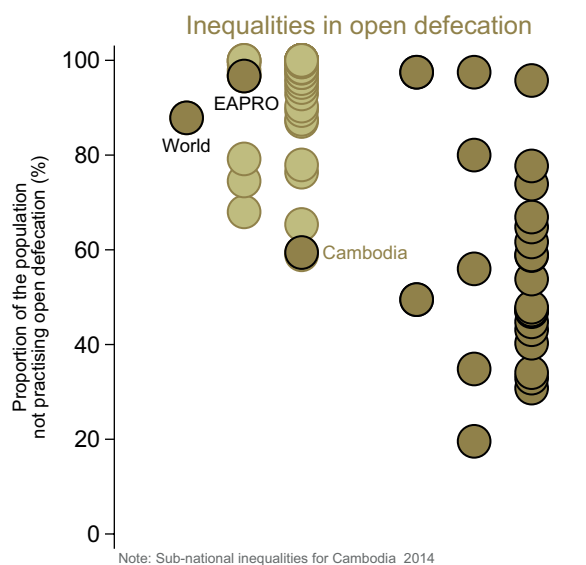
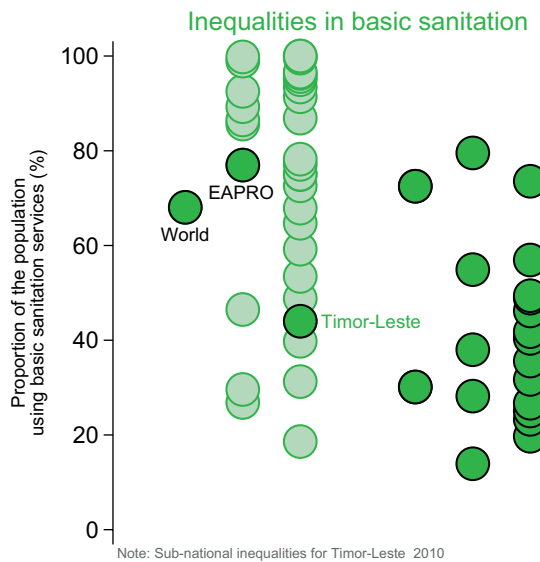
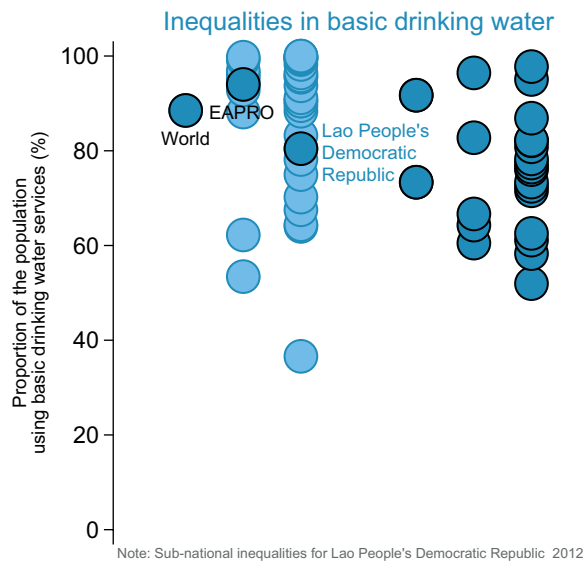
urban coverage of basic handwashing facilities exceeds 50% in 5 countries, rural coverage exceeds 50% in 4 countries



COUNTRY, AREA OR TERRITORY	Year	Population (thousands)	% urban	NATIONAL			RURAL			URBAN		
				Basic	Limited (without water or soap)	No facility	Basic	Limited (without water or soap)	No facility	Basic	Limited (without water or soap)	No facility
Cambodia	2015	15 578	21	66	13	22	60	15	26	88	5	7
Indonesia	2015	257 564	54	77	6	18	66	8	26	86	4	11
Mongolia	2015	2 959	72	72	7	21	49	10	41	81	6	12
Myanmar	2015	53 897	34	80	14	6	74	19	7	92	5	3
Viet Nam	2015	93 448	34	86	13	2	82	16	2	93	7	1

"-" = no estimate; NA = data not applicable; for unrounded estimates see www.washdata.org

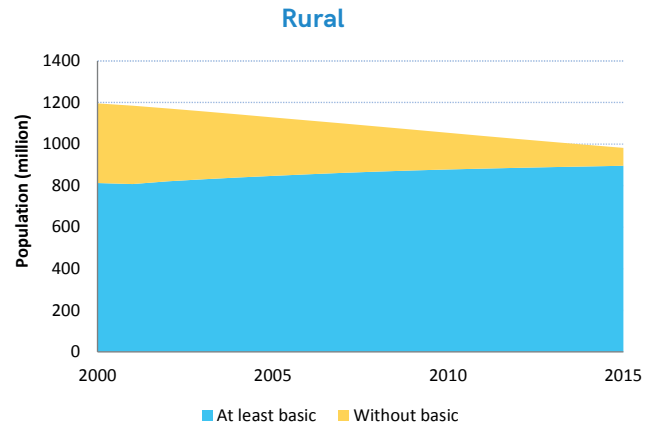
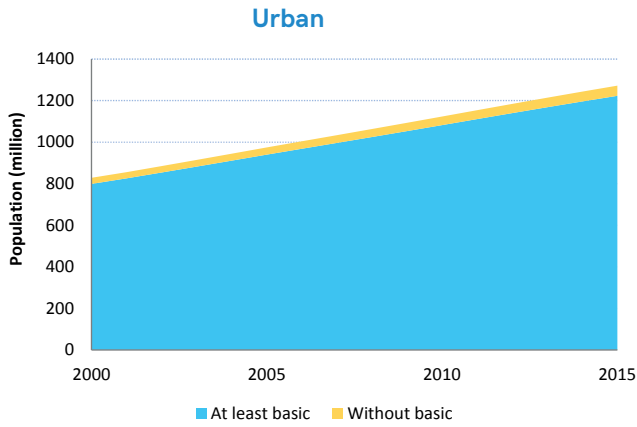
Inequalities



Note: EAPRO - UNICEF East Asia & Pacific Region

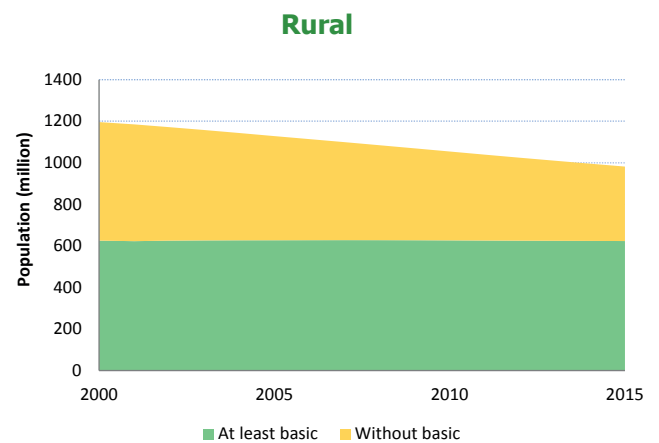
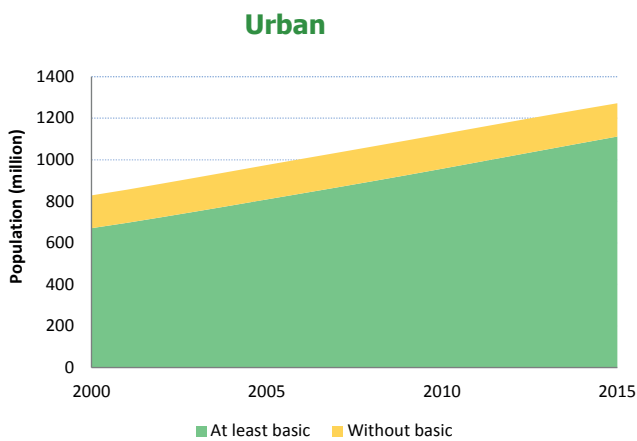
Trends

Drinking water



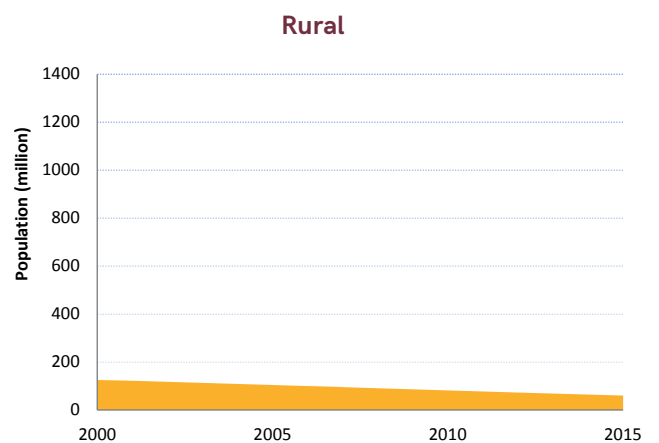
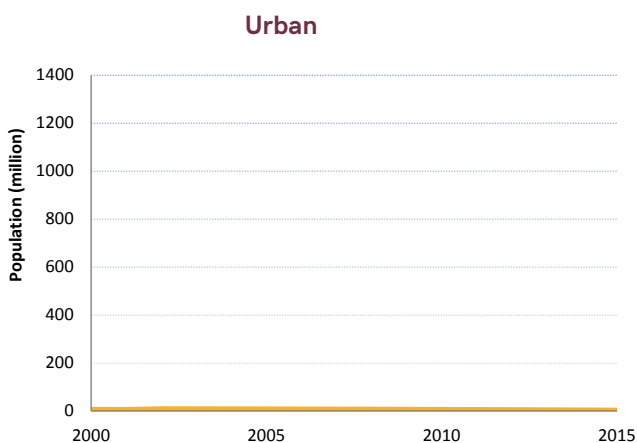
In 2015, 96.2% of the urban population and 91.2% of the rural population used a basic drinking water service.

Sanitation



In 2015, 87.4% of the urban population and 63.5% of the rural population used a basic sanitation service.

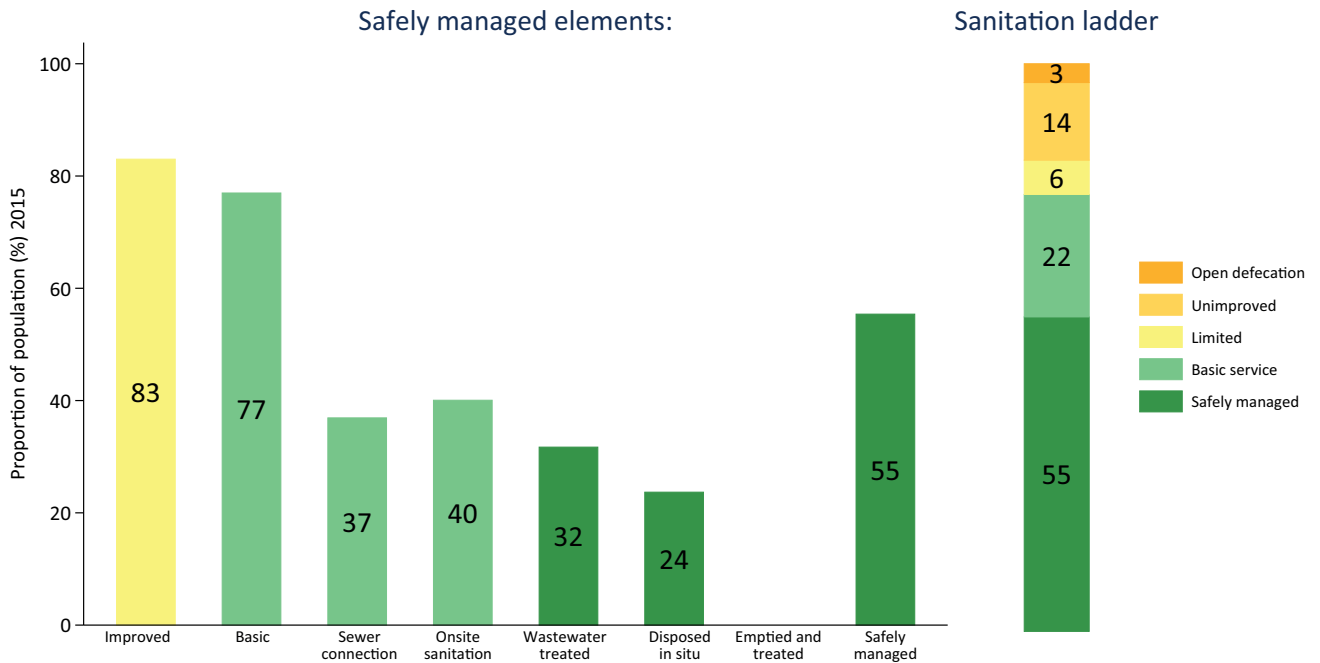
Open defecation



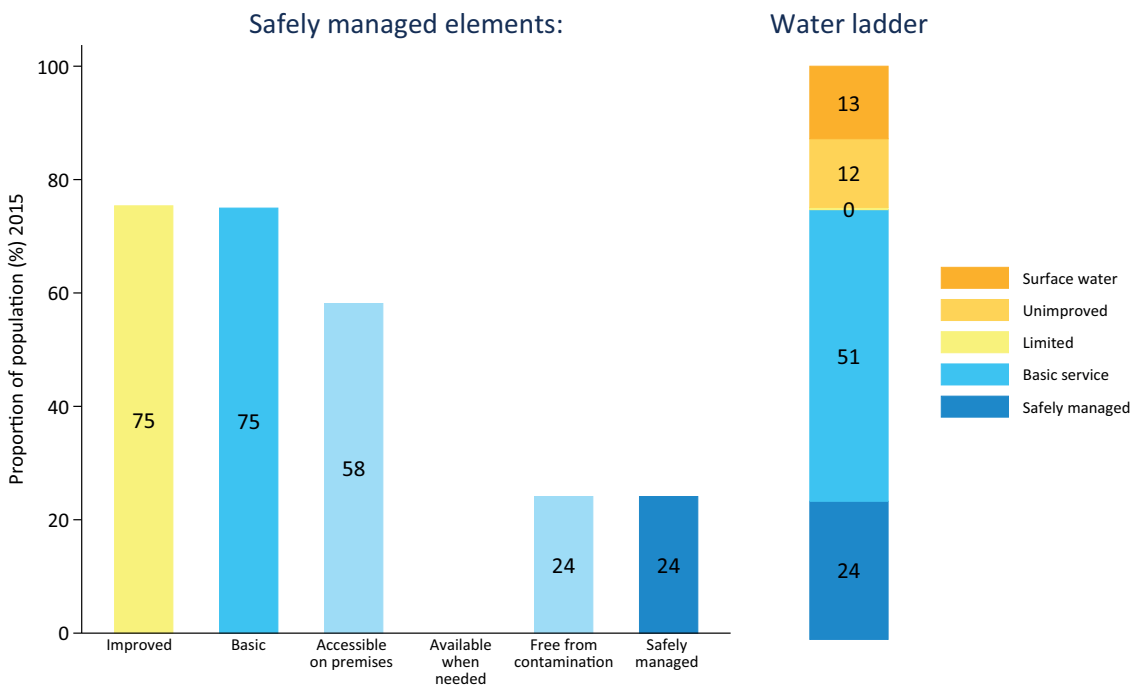
In 2015, 1.1% of the urban population and 6.2% of the rural population practised open defecation.

Safely managed services

Safely managed sanitation (2015)



Safely managed drinking water (2015)
Cambodia, national



Drinking water estimates

COUNTRY, AREA OR TERRITORY	ISO3	Year	Population (thousands)	% urban	NATIONAL					RURAL					URBAN				
					At least basic	Limited (more than 30 mins)	Unimproved	Surface water	Annual rate of change in basic	At least basic	Limited (more than 30 mins)	Unimproved	Surface water	Annual rate of change in basic	At least basic	Limited (more than 30 mins)	Unimproved	Surface water	Annual rate of change in basic
Australia	AUS	2000	19 107	87	100	-	0	0	0.02	99	-	1	0	0.06	100	-	0	0	0.01
		2015	23 969	89	100	-	0	0	-	100	-	0	0	-	100	-	0	0	-
Brunei Darussalam	BRN	2000	331	71	-	-	-	-	-	-	-	-	-	-	100	-	0	0	0.00
		2015	423	77	100	-	0	0	-	99	-	1	0	-	100	-	0	0	-
Cambodia	KHM	2000	12 198	19	52	0	21	26	1.50	47	0	24	29	1.49	75	0	11	14	1.39
		2015	15 578	21	75	0	12	13	-	70	0	15	15	-	96	0	2	2	-
China	CHN	2000	1 269 975	36	78	1	19	3	1.22	66	1	29	5	2.02	98	1	1	0	-0.19
		2015	1 376 049	56	96	1	3	0	-	96	1	2	1	-	96	1	3	0	-
Cook Islands	COK	2000	18	65	100	-	0	0	-0.00	-	-	-	-	-	-	-	-	-	-
		2015	21	75	100	-	0	0	-	-	-	-	-	-	-	-	-	-	-
Democratic People's Republic of Korea	PRK	2000	22 840	59	100	0	0	0	-0.02	100	0	0	0	-0.04	100	0	0	0	-0.01
		2015	25 155	61	100	0	0	0	-	99	0	1	0	-	100	0	0	0	-
Fiji	FJI	2000	811	48	95	-	3	2	-0.06	91	-	5	4	-	99	-	1	0	-0.07
		2015	892	54	94	-	4	2	-	89	-	7	4	-	98	-	2	0	-
Indonesia	IDN	2000	211 540	42	75	1	21	4	1.00	64	1	29	6	1.12	89	0	10	1	0.54
		2015	257 564	54	90	1	8	2	-	81	1	14	4	-	97	0	3	0	-
Japan	JPN	2000	125 715	79	98	-	2	0	0.03	-	-	-	-	-	-	-	-	-	-
		2015	126 573	93	99	-	1	0	-	-	-	-	-	-	-	-	-	-	-
Kiribati	KIR	2000	84	43	61	1	39	0	0.24	49	1	50	0	-0.29	77	0	23	0	0.84
		2015	112	44	64	1	35	0	-	44	1	55	0	-	90	0	10	0	-
Lao People's Democratic Republic	LAO	2000	5 343	22	46	1	27	26	2.31	37	1	30	32	2.42	77	0	18	5	0.98
		2015	6 802	39	80	1	14	4	-	73	2	18	7	-	92	0	7	1	-
Malaysia	MYS	2000	23 421	62	98	0	1	1	-0.11	96	1	1	2	-0.47	100	0	0	0	-0.04
		2015	30 331	75	96	0	3	0	-	89	1	11	0	-	99	0	1	0	-
Marshall Islands	MHL	2000	52	68	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015	53	73	78	21	1	0	-	99	0	1	0	-	70	28	2	0	-
Micronesia (Federated States of)	FSM	2000	107	22	93	-	7	0	-0.28	92	-	8	0	-0.41	94	-	6	0	0.14
		2015	104	22	88	-	12	0	-	86	-	14	0	-	97	-	3	0	-
Mongolia	MNG	2000	2 397	57	65	6	10	19	1.21	32	6	20	42	1.61	90	5	3	2	0.27
		2015	2 959	72	83	7	5	5	-	56	10	15	19	-	94	5	1	0	-
Myanmar	MMR	2000	47 670	27	55	11	17	17	0.85	47	12	20	21	0.84	75	9	9	7	0.48
		2015	53 897	34	68	13	10	9	-	60	15	13	13	-	82	9	5	3	-
Nauru	NRU	2000	10	100	95	0	5	0	0.33	-	-	-	-	-	95	0	5	0	0.33
		2015	10	100	100	0	0	0	-	-	-	-	-	-	100	0	0	0	-
New Zealand	NZL	2000	3 858	86	100	-	0	0	0.00	100	-	0	0	0.00	100	-	0	0	0.00
		2015	4 529	86	100	-	0	0	-	100	-	0	0	-	100	-	0	0	-
Niue	NIU	2000	2	33	99	-	1	0	-0.07	-	-	-	-	-	-	-	-	-	-
		2015	2	43	98	-	2	0	-	-	-	-	-	-	-	-	-	-	-
Palau	PLW	2000	19	70	92	-	8	0	0.53	80	-	20	0	1.09	97	-	3	0	0.23
		2015	21	87	100	-	0	0	-	97	-	3	0	-	100	-	0	0	-
Papua New Guinea	PNG	2000	5 374	13	37	2	20	42	-0.01	29	1	21	48	0.00	84	4	8	4	0.00
		2015	7 619	13	37	2	20	42	-	29	1	21	48	-	84	4	8	4	-
Philippines	PHL	2000	77 932	48	86	3	6	5	0.29	80	3	7	9	0.36	92	2	4	2	0.28
		2015	100 699	44	91	3	6	1	-	86	4	9	1	-	96	2	2	0	-
Republic of Korea	KOR	2000	46 206	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015	50 293	82	100	-	0	0	-	-	-	-	-	-	-	-	-	-	-
Samoa	WSM	2000	175	22	93	2	5	0	0.17	94	2	3	0	0.03	89	0	10	0	0.69
		2015	193	19	96	2	2	0	-	95	2	3	0	-	99	1	0	0	-
Singapore	SGP	2000	3 918	100	100	-	0	0	0.00	-	-	-	-	-	100	-	0	0	0.00
		2015	5 604	100	100	-	0	0	-	-	-	-	-	-	100	-	0	0	-
Solomon Islands	SLB	2000	412	16	80	6	10	4	-1.08	78	6	11	4	-1.46	90	3	5	1	0.00
		2015	584	22	64	4	17	15	-	56	5	20	19	-	90	3	5	1	-
Thailand	THA	2000	62 693	31	94	1	4	0	0.27	92	1	6	1	0.35	99	0	1	0	0.02
		2015	67 959	50	98	1	1	0	-	97	1	1	1	-	99	0	0	0	-
Timor-Leste	TLS	2000	847	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015	1 185	33	70	6	18	6	-	60	8	24	8	-	91	2	7	0	-
Tokelau	TKL	2000	2	0	99	-	1	0	0.07	99	-	1	0	0.07	-	-	-	-	-
		2015	1	0	100	-	0	0	-	100	-	0	0	-	-	-	-	-	-
Tonga	TON	2000	98	23	98	-	2	0	0.09	99	-	1	0	0.07	97	-	3	0	0.16
		2015	106	24	100	-	0	0	-	100	-	0	0	-	100	-	0	0	-
Tuvalu	TUV	2000	9	46	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
		2015	10	60	99	-	1	0	-	99	-	1	0	-	100	-	0	0	-
Vanuatu	VUT	2000	185	22	82	1	11	7	0.59	78	1	13	8	0.64	96	0	4	0	0.25
		2015	265	26	91	1	2	6	-	87	1	3	8	-	99	0	0	0	-
Viet Nam	VNM	2000	80 286	24	78	3	10	9	0.89	74	2	12	12	1.13	90	5	3	2	0.12
		2015	93 448	34	91	3	5	0	-	91	1	7	1	-	92	6	2	0	-
UNICEF East Asia & Pacific Region		2000	2 023 637	41	80	1	16	4	0.96	68	1	25	6	1.55	96	1	2	0	-0.02
		2015	2 253 012	56	94	1	4	1	-	91	2	5	2	-	96	1	3	0	-

"-" = no estimate; NA = data not applicable; for unrounded estimates see www.washdata.org

Drinking water estimates

COUNTRY, AREA OR TERRITORY	Year	NATIONAL Proportion of population using improved water supplies					RURAL Proportion of population using improved water supplies					URBAN Proportion of population using improved water supplies							
		Safely managed	Accessible on premises	Available when needed	Free from contamination	Piped	Non-piped	Safely managed	Accessible on premises	Available when needed	Free from contamination	Piped	Non-piped	Safely managed	Accessible on premises	Available when needed	Free from contamination	Piped	Non-piped
Australia	2000	-	97	90	-	84	15	-	-	-	59	40	98	98	-	100	88	12	
Australia	2015	-	98	96	-	91	8	-	-	84	16	99	99	-	100	92	8		
Brunei Darussalam	2000	-	-	-	-	-	-	-	-	-	-	-	-	100	-	-	100	0	
Brunei Darussalam	2015	-	99	-	-	99	0	-	-	99	0	-	100	-	-	-	100	0	
Cambodia	2000	17	37	-	17	7	45	11	30	-	11	1	46	43	69	-	43	34	41
Cambodia	2015	24	58	-	24	21	54	16	54	-	16	8	62	55	75	-	55	72	24
China	2000	-	63	-	-	48	30	-	43	-	-	26	41	94	98	-	94	88	11
China	2015	-	94	-	-	78	19	-	95	-	-	62	35	91	94	-	91	90	6
Cook Islands	2000	-	85	100	-	69	31	-	-	-	-	-	-	-	-	-	-	-	-
Cook Islands	2015	-	87	100	-	75	25	-	-	-	-	-	-	-	-	-	-	-	-
Democratic People's Republic of Korea	2000	-	94	-	-	82	18	-	91	-	-	71	29	-	96	-	-	90	10
Democratic People's Republic of Korea	2015	-	94	-	-	90	10	-	91	-	-	84	15	-	96	-	-	93	6
Fiji	2000	-	78	95	-	-	-	-	60	-	-	-	-	-	97	-	-	-	-
Fiji	2015	-	69	94	-	87	7	-	37	-	-	74	15	-	96	-	-	97	1
Indonesia	2000	-	61	-	-	20	56	-	45	-	-	7	59	-	84	-	-	37	52
Indonesia	2015	-	54	-	-	18	72	-	57	-	-	9	73	-	51	-	-	25	72
Japan	2000	97	97	-	98	97	1	-	-	-	-	-	-	-	-	-	-	-	-
Japan	2015	97	97	-	99	98	1	-	-	-	-	-	-	-	-	-	-	-	-
Kiribati	2000	-	52	-	-	32	29	-	38	-	-	21	29	-	72	-	-	48	29
Kiribati	2015	-	56	-	-	33	32	-	34	-	-	3	42	-	84	-	-	71	19
Lao People's Democratic Republic	2000	-	7	-	-	15	32	-	0	-	-	8	30	-	31	-	-	39	38
Lao People's Democratic Republic	2015	-	68	-	-	42	40	-	53	-	-	22	53	-	92	-	-	73	19
Malaysia	2000	94	94	-	98	95	4	-	87	-	-	88	9	-	98	-	-	99	1
Malaysia	2015	92	93	-	97	94	3	-	81	-	-	79	10	-	97	-	-	98	1
Marshall Islands	2000	-	-	-	-	-	-	-	-	-	0	-	-	-	-	-	-	-	-
Marshall Islands	2015	-	74	-	-	11	88	-	98	-	-	0	99	-	65	-	-	15	83
Micronesia (Federated States of)	2000	-	66	-	-	-	-	-	66	-	-	-	-	-	69	-	-	-	-
Micronesia (Federated States of)	2015	-	63	-	-	-	-	-	61	-	-	-	-	-	71	-	-	-	-
Mongolia	2000	-	22	-	-	32	39	-	1	-	-	3	35	-	38	-	-	53	41
Mongolia	2015	-	25	-	-	26	64	-	9	-	-	4	63	-	32	-	-	35	64
Myanmar	2000	-	28	-	-	12	53	-	19	-	-	7	52	-	51	-	-	26	58
Myanmar	2015	-	53	-	-	23	57	-	41	-	-	9	66	-	76	-	-	52	40
Nauru	2000	-	95	-	-	-	-	-	-	-	-	-	-	-	95	-	-	-	-
Nauru	2015	-	99	-	-	68	32	-	-	-	-	-	-	-	99	-	-	68	32
New Zealand	2000	77	100	-	77	100	0	-	100	-	-	100	0	-	100	100	-	100	0
New Zealand	2015	100	100	-	100	100	0	-	100	-	-	100	0	-	100	100	-	100	0
Niue	2000	98	99	99	98	99	0	-	-	-	-	-	-	-	-	-	-	-	-
Niue	2015	97	98	98	97	87	11	-	-	-	-	-	-	-	-	-	-	-	-
Palau	2000	-	84	-	-	92	0	-	74	-	-	80	0	-	88	97	-	97	0
Palau	2015	-	95	-	-	100	0	-	93	-	-	97	0	-	95	100	-	100	0
Papua New Guinea	2000	-	19	-	-	20	18	-	16	-	-	13	18	-	43	80	-	71	17
Papua New Guinea	2015	-	19	-	-	20	18	-	16	-	-	13	18	-	43	80	-	71	17
Philippines	2000	-	39	79	-	47	42	-	26	74	-	32	52	-	54	84	-	63	31
Philippines	2015	-	61	83	-	43	50	-	47	79	-	31	58	-	78	88	-	59	40
Republic of Korea	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Republic of Korea	2015	98	99	-	98	98	1	-	-	-	-	-	-	-	-	-	-	-	-
Samoa	2000	-	92	95	-	86	9	-	93	-	-	85	11	-	88	-	-	90	0
Samoa	2015	-	94	97	-	82	15	-	93	-	-	84	13	-	98	-	-	77	23
Singapore	2000	100	100	-	100	100	0	-	-	-	-	-	-	100	100	-	100	100	0
Singapore	2015	100	100	-	100	100	0	-	-	-	-	-	-	100	100	-	100	100	0
Solomon Islands	2000	-	62	44	-	59	27	-	58	68	-	57	28	-	83	-	-	73	21
Solomon Islands	2015	-	51	35	-	47	21	-	42	49	-	40	21	-	83	-	-	73	21
Thailand	2000	-	90	-	-	33	62	-	87	-	-	15	78	-	97	-	-	72	27
Thailand	2015	-	97	-	-	67	32	-	96	-	-	49	49	-	99	-	-	84	15
Timor-Leste	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Timor-Leste	2015	-	50	-	-	42	34	-	37	-	-	30	38	-	78	-	-	66	27
Tokelau	2000	-	74	-	-	-	-	-	74	-	-	-	-	-	-	-	-	-	-
Tokelau	2015	-	91	-	-	94	5	-	91	-	-	94	5	-	-	-	-	-	-
Tonga	2000	-	98	-	-	96	2	-	99	-	-	97	2	-	97	-	-	94	3
Tonga	2015	-	71	-	-	94	6	-	71	-	-	97	3	-	74	-	-	86	14
Tuvalu	2000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuvalu	2015	-	97	-	-	99	0	-	-	-	-	99	0	0	0	50	-	100	0
Vanuatu	2000	-	45	-	-	50	32	-	38	-	-	41	38	-	68	-	-	83	13
Vanuatu	2015	-	50	-	-	32	60	-	43	-	-	23	65	-	71	-	-	56	44
Viet Nam	2000	-	65	-	-	13	67	-	57	-	-	2	74	-	90	95	-	49	47
Viet Nam	2015	-	88	-	-	40	55	-	91	-	-	20	72	-	83	98	-	78	20
UNICEF East Asia & Pacific Region	2000	-	65	-	-	47	33	-	46	-	-	24	45	93	93	-	93	80	17
UNICEF East Asia & Pacific Region	2015	-	87	-	-	67	28	-	84	-	-	49	44	89	89	-	93	82	15



DRINKING WATER



In 2015,

- 71 per cent of the global population (5.2 billion people) used a **safely managed** drinking water service; that is, one located on premises, available when needed and free from contamination.
- Eight out of ten people (5.8 billion) used improved sources with **water available when needed**.
- Three out of four people (5.4 billion) used improved sources **located on premises**.
- Three out of four people (5.4 billion) used improved sources **free from contamination**.
- 844 million people still lacked even a **basic** drinking water service.
- 263 million people spent over 30 minutes per round trip to collect water from an improved source (a **limited** drinking water service).
- 159 million people still collected drinking water directly from **surface water** sources, 58% lived in sub-Saharan Africa.

SANITATION



In 2015,

- 39 per cent of the global population (2.9 billion people) used a **safely managed** sanitation service; that is, excreta safely disposed of in situ or treated off-site.
- 27 per cent of the global population (1.9 billion people) used private sanitation facilities connected to sewers from which **wastewater was treated**.
- 13 per cent of the global population (0.9 billion people) used toilets or latrines where excreta were **disposed of in situ**.
- Available data were insufficient to make a global estimate of the proportion of population using septic tanks and latrines from which excreta are **emptied and treated off-site**.
- 2.3 billion people still lacked even a **basic** sanitation service.
- 600 million people used a **limited** sanitation service.
- 892 million people worldwide still practised **open defecation**.

HYGIENE



In 2015,

- 70 countries had comparable data available on handwashing with soap and water, representing 30 per cent of the global population.
- Coverage of **basic handwashing** facilities with soap and water varied from 15 per cent in sub-Saharan Africa to 76 per cent in Western Asia and Northern Africa, but data are currently insufficient to produce a global estimate, or estimates for other SDG regions.
- In Least Developed Countries, 27 per cent of the population had basic handwashing facilities with soap and water, while 26 per cent had handwashing facilities lacking soap or water. The remaining 47 per cent had no facility.
- In sub-Saharan Africa, three out of five people with basic handwashing facilities (89 million people) lived in urban areas.
- Many high-income countries lacked sufficient data to estimate the population with basic handwashing facilities.

JMP website: www.washdata.org