

2 out of 10 households in the WHO Western Pacific Region\* do not have a handwashing facility with soap and water on premises

Half of the schools in the WHO Western Pacific Region\* do not have hand-washing facilities with soap and water available to students

Six out of ten health care facilities in the WHO Western Pacific Region do not have functional hand hygiene facilities with soap and water or hand sanitizer

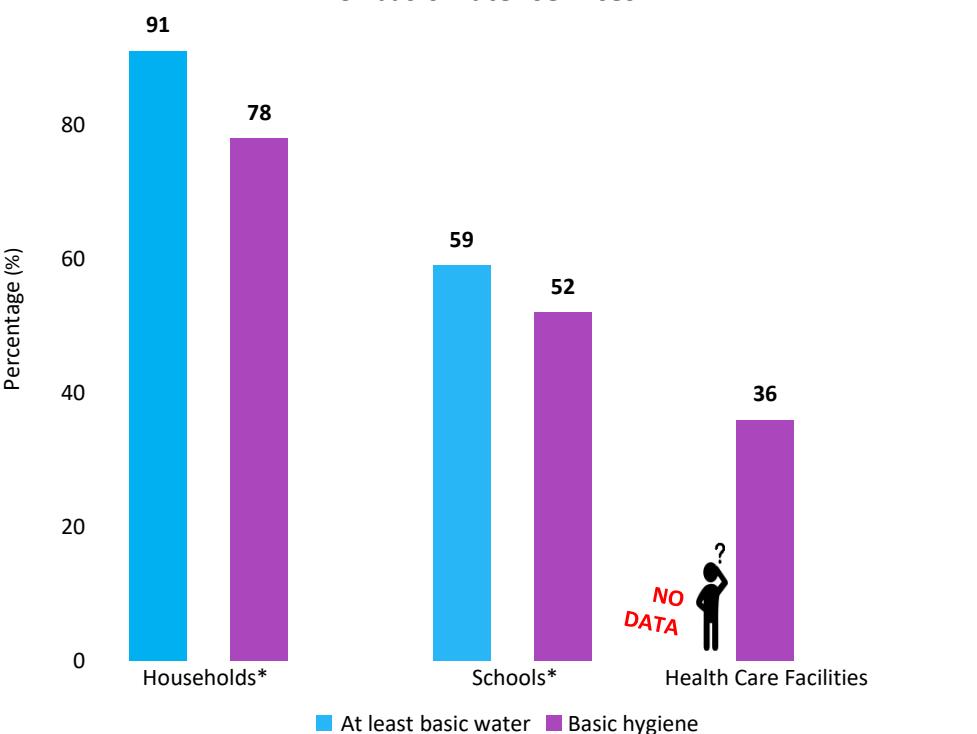


\* Regional estimates for low- and middle-income countries of WPRO only, excluding China for which no nationally representative data are available

- Frequent and proper hand hygiene is one of the most important measures that can be used to prevent infection with the COVID-19 virus
- There are two main routes of transmission of the COVID-19 virus: respiratory and poor hygiene
- The COVID-19 virus has not been detected in drinking-water supplies, and based on current evidence, the risk to water supplies is low
- Currently, there is no evidence about the survival of the COVID-19 virus in drinking-water or sewage
- Conventional, centralized water treatment methods that use filtration and disinfection should inactivate the COVID-19 virus

Source: Water, sanitation, hygiene, and waste management for the COVID-19 virus – Interim Guidance 23 April 2020, WHO and UNICEF

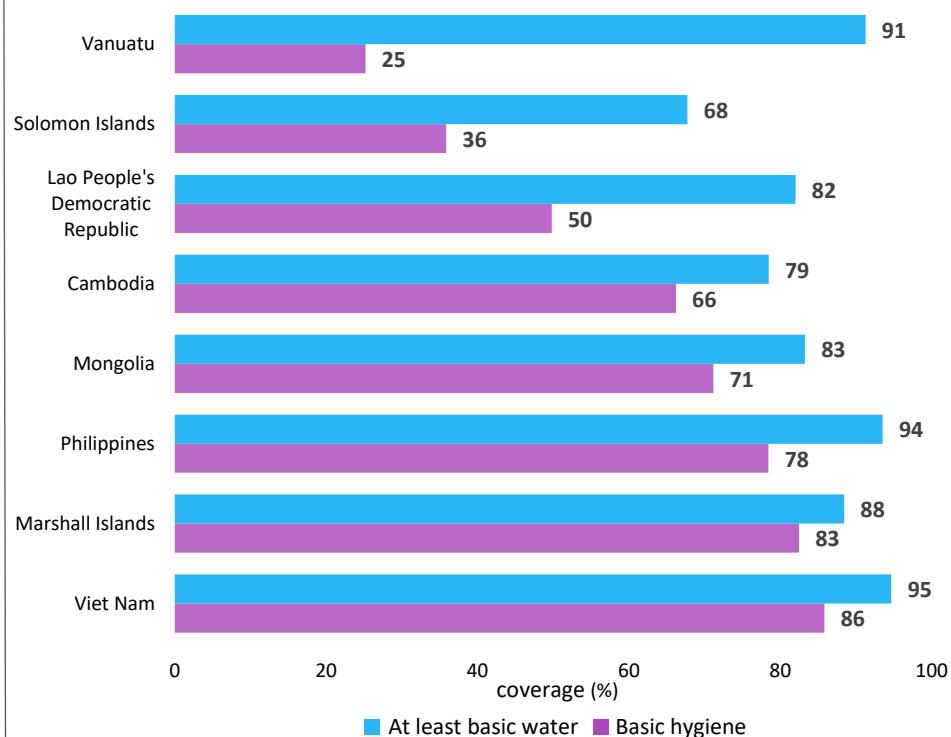
### In the WHO Western Pacific Region washing hands with soap and water receives too low a priority at home and in schools despite the availability of basic water services



Access to basic WASH services in the Western Pacific, 2017 (households), 2016 (Schools and Health Care Facilities)

\* Regional estimates for low- and middle-income countries of WPRO only, excluding China for which no nationally representative data are available

### Availability of basic water services does not seem to be the limiting factor for having a hand washing facility with soap and water at home



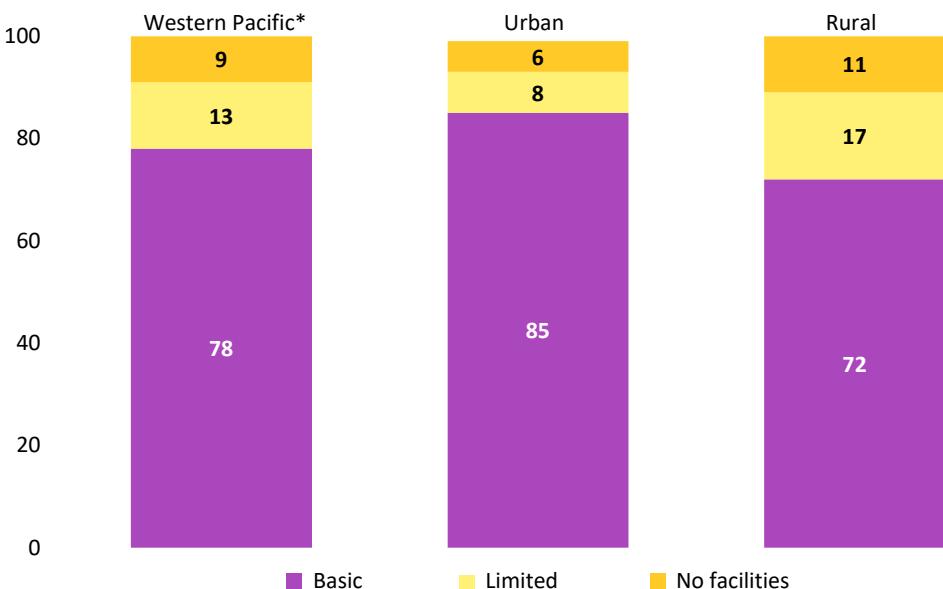
Access to at least basic water and basic hygiene services for countries in the Western Pacific with available nationally representative data, 2017

### SDG standards for basic WASH services at households, schools and health care facilities

	Water	Sanitation	Hygiene	Waste Management	Environmental Cleaning
Home	Drinking water from an improved source <sup>1</sup> , provided collection time is not more than 30 minutes for a roundtrip including queuing	Use of improved facilities <sup>2</sup> which are not shared with other households	Availability of a handwashing facility on premises with soap and water	<p><i>“SDG 6.1 and 6.2 on water, sanitation and hygiene call for the provision of WASH Services to Schools and Health Care Facilities”</i></p>	
Schools	Drinking water from an improved source is available at the school	Improved facilities, which are single-sex and usable at the school	Handwashing facilities at school, which have water and soap available		
Health Facilities	Water is available from an improved source on the premises.	Improved sanitation facilities are usable with at least one toilet dedicated for staff, at least one sex-separated toilet with menstrual hygiene facilities, and at least one toilet accessible for people with limited mobility	Functional hand hygiene facilities (with water and soap and/or alcohol-based hand rub) are available at points of care, and within 5 metres of toilets.		

<sup>1</sup> Improved water sources are those which by nature of their design and construction have the potential to deliver safe water. These include piped water, boreholes or tube wells, protected dug wells, protected springs, rainwater and, packaged or delivered water. <sup>2</sup> Improved sanitation facilities are those designed to hygienically separate human excreta from human contact. These include wet sanitation technologies – such as flush and pour flush toilets connecting to sewers, septic tanks or pit latrines – and dry sanitation technologies – such as dry pit latrines with slabs, and composting toilets.

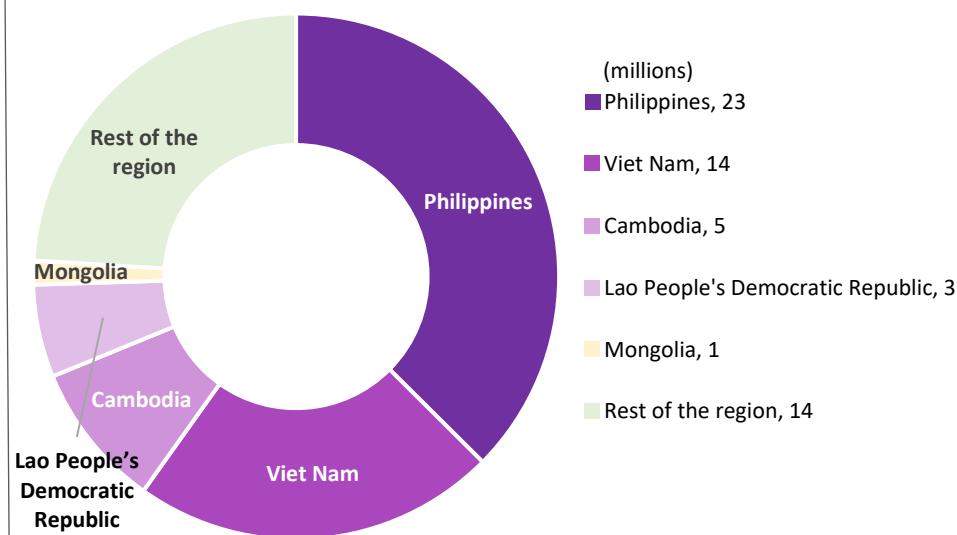
### Over one in four people in the WHO Western Pacific Region\* do not have a handwashing facility with soap and water on premises



The Western Pacific, regional, urban and rural hygiene ladders, 2017

\* Regional estimates for low- and middle-income countries of WPR only, excluding China for which no nationally representative data are available

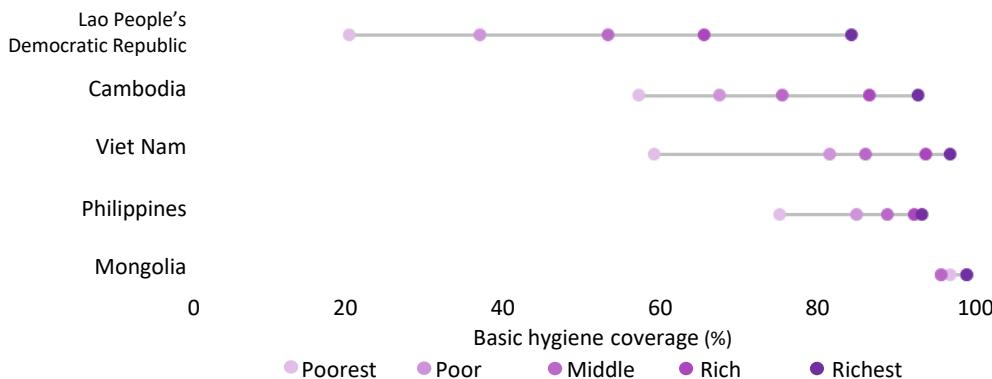
### 60 million people in the WHO Western Pacific Region\* do not have basic handwashing facilities with soap and water at home



Distribution of population without basic hygiene at the household, the Western Pacific\* countries, 2017

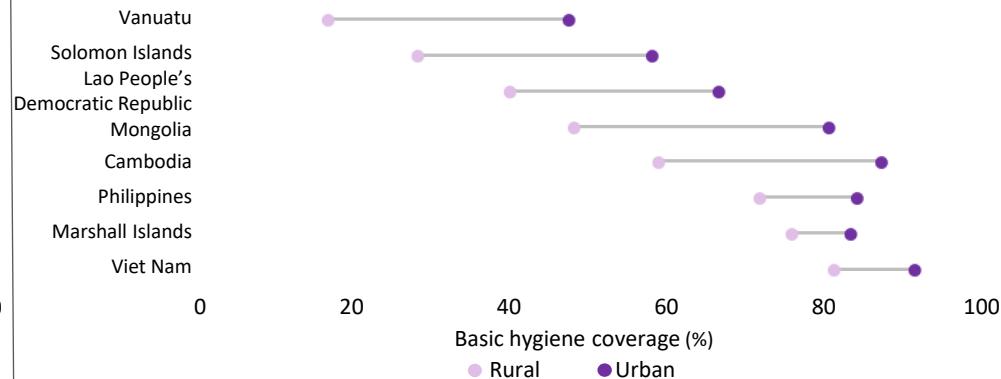
\* Regional estimates for low- and middle-income countries of WPRO only, excluding China for which no nationally representative data are available

### There are large disparities in the availability of handwashing facilities at home between the poorest and richest in the Western Pacific



Inequalities in the proportion of population with handwashing facilities with soap and water by wealth quintiles, countries in the Western Pacific, 2017 (%)

### Handwashing facilities with soap and water are more prevalent in urban than in rural areas of the Western Pacific



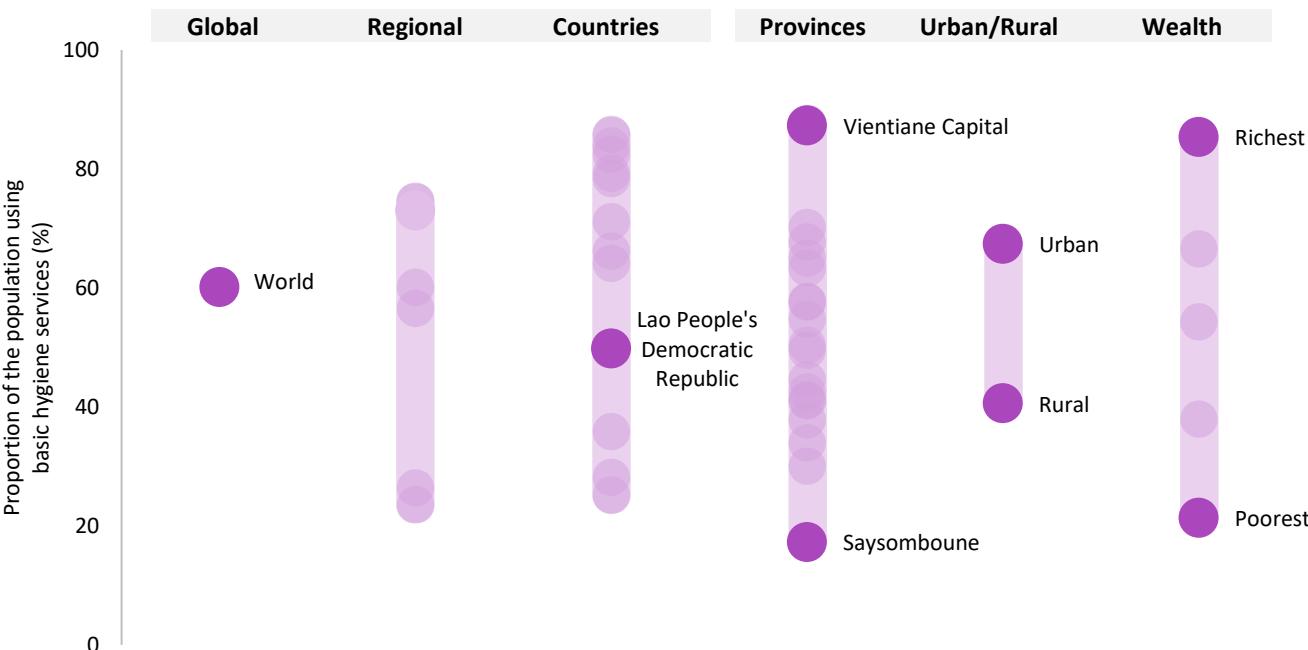
Inequalities in the proportion of population with handwashing facilities with soap and water by urban and rural areas, countries in the Western Pacific, 2017 (%)

Regularly washing hands with soap and water is a behaviour that is difficult to measure at the population level. Asking people if, or when, they WASH their hands usually does not result in reliable answers as most people will be over-reporting their own "good" behaviour. The presence in a household, school or health care facility of a dedicated place or facility for washing hands and the presence of soap and water at that facility, has shown to be a good predictor for people regularly washing their hands with soap and water. A global expert panel suggested that this indicator be used to estimate actual hand washing behavior among a population. This then became the indicator for the monitoring of the SDG hygiene targets.

For more information see: *Practical Guide for Measuring Handwashing Behavior*

<https://www.wsp.org/sites/wsp/files/publications/WSP-Practical-Guidance-Measuring-Handwashing-Behavior-2013-Update.pdf>

### Large disparities in basic hand washing facilities with soap and water exist within the Lao People's Democratic Republic

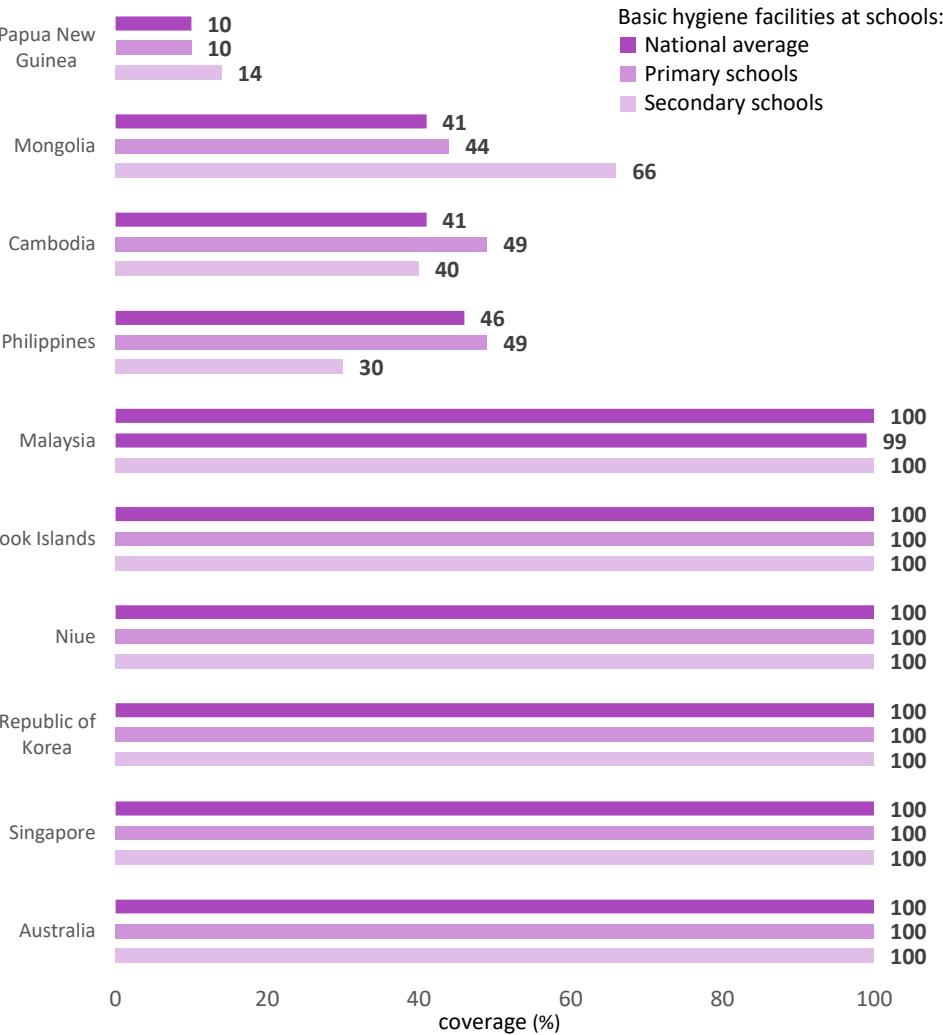


Population with basic hygiene facilities disaggregated by WHO regions, countries and Lao People's Democratic Republic provinces, urban-rural & wealth quintiles (%); Sources: JMP 2019 and Lao People's Democratic Republic, MICS 2018

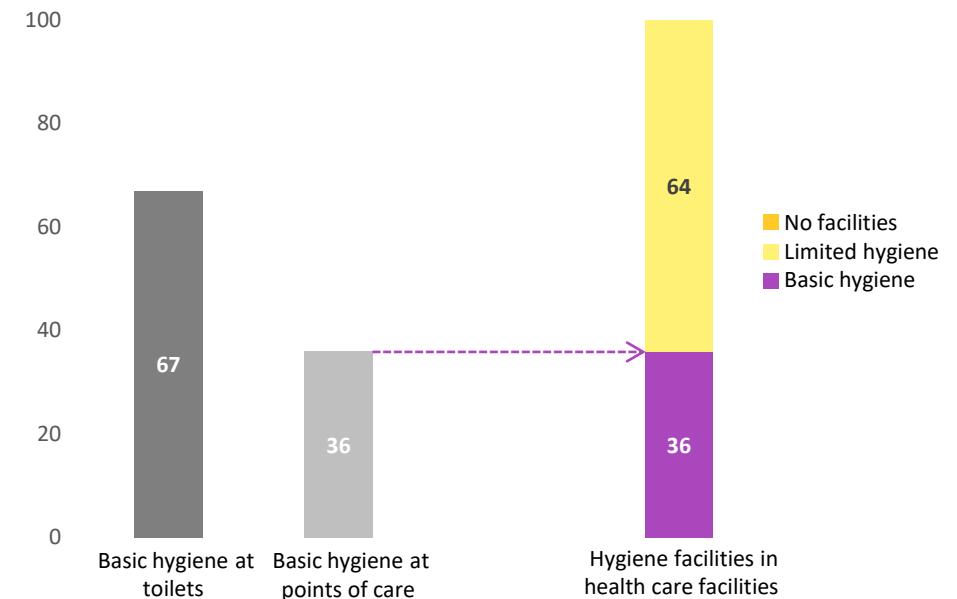
**"We must work to prevent the spread of disease. Improved water, sanitation and hygiene in health facilities is critical to this effort"**

Remarks by the United Nations Secretary-General upon issuing a Global Call to Action for WASH in Health Facilities, March 2018

### Only 10 of 27 countries in the Western Pacific have comprehensive data about hygiene facilities with soap and water in schools



### Of all countries in the Western Pacific region only China has nationally representative data about handwashing facilities with soap and water at points of care and toilets in health care facilities



Coverage with hand hygiene facilities at points of care and toilets in health care facilities, China, 2016

#### Why are there no regional averages for the Western Pacific ?

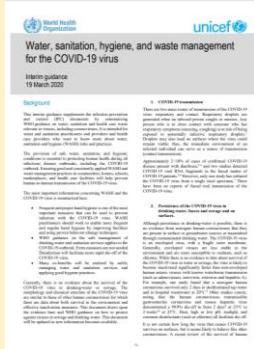
In order to calculate regional household estimates, the JMP needs data that cover at least 50 per cent of the regional population and 30 per cent of the population for schools and health care facilities. One or more of the most populous countries of a region often make up more than 50 per cent of a regional population, like China in the case of Western Pacific. For China, the JMP only holds nationally representative data on hygiene in health care facilities and as a result the JMP is unable to calculate regional averages for hygiene at the household level and schools.

Coverage with hand hygiene facilities at schools, national, primary- and secondary schools in countries of the Western Pacific with nationally representative hygiene data for primary and secondary schools

Country	Year	Households									Schools									Health Care Facilities																	
		National			Rural			Urban			National			Primary			Secondary			National			Hospitals			Non-Hospitals											
		Basic	Limited (without water or soap)	No facility	Basic	Limited (without water or soap)	No facility	Basic	Limited (without water or soap)	No facility	Year	Basic hygiene services	Limited hygiene services	No hygiene services	Basic hygiene services	Limited hygiene services	No hygiene services	Basic hygiene services	Limited hygiene services	No hygiene services	Year	Basic hygiene services	Limited hygiene services	No hygiene services	Handwashing facilities at points of care	Handwashing facilities at toilets	Basic hygiene services	Limited hygiene services	No hygiene services	Basic hygiene services	Limited hygiene services	No hygiene services					
Australia	-	-	-	-	-	-	-	-	-	-	2016	100	0	0	100	0	0	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Brunei Darussalam	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-		
Cambodia	2017	66	13	21	60	15	26	88	5	7	2016	41	2	57	49	2	49	40	2	58	2016	-	-	-	100	-	-	-	-	-	-	-	-	-	-		
China	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	2016	36	64	0	36	67	-	-	-	-	-	-	36	64	0		
Cook Islands	-	-	-	-	-	-	-	-	-	-	2016	100	0	0	100	0	0	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Fiji	-	-	-	-	-	-	-	-	-	-	2016	61	27	12	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Japan	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Kiribati	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Lao People's Democratic Republic	2017	50	40	10	41	48	11	67	25	8	2016	-	-	-	-	-	-	-	-	-	2016	-	-	-	79	-	-	-	-	-	-	-	-	-	-		
Malaysia	-	-	-	-	-	-	-	-	-	-	2016	100	-	-	99	-	-	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Marshall Islands	2017	83	15	2	77	19	4	84	14	2	2016	36	-	-	36	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Micronesia (Federated States of)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mongolia	2017	71	7	22	49	10	41	81	6	12	2016	41	36	23	44	36	20	66	10	24	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Nauru	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
New Zealand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Niue	-	-	-	-	-	-	-	-	-	-	2016	100	0	0	100	0	0	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Palau	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Papua New Guinea	-	-	-	-	-	-	-	-	-	-	2016	10	43	47	10	43	47	14	41	45	2016	-	-	-	98	-	-	-	-	-	-	-	-	-	-	-	
Philippines	2017	78	12	10	73	14	13	85	9	6	2016	46	14	40	49	10	40	30	33	37	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Republic of Korea	-	-	-	-	-	-	-	-	-	-	2016	100	0	0	100	0	0	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Samoa	-	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Singapore	-	-	-	-	-	-	-	-	-	-	2016	100	0	0	100	0	0	100	0	0	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Solomon Islands	2017	36	36	28	29	40	31	59	24	17	2016	17	17	66	-	-	-	-	-	-	2016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tonga	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tuvalu	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Vanuatu	2017	25	43	32	17	46	36	48	33	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Viet Nam	2017	86	13	2	82	16	2	93	7	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
<b>WHO Western Pacific Region</b>	<b>2017</b>	-	-	-	-	-	-	-	-	-	<b>2016</b>	-	-	-	-	-	-	-	-	-	<b>2016</b>	<b>36</b>	<b>64</b>	<b>0</b>	<b>37</b>	<b>67</b>	-	-	-	-	-	-	<b>36</b>	<b>64</b>	<b>0</b>		

Sources: Population data on Hygiene: Progress on household drinking water, sanitation and hygiene 2000-2017: Special focus on inequalities, JMP, 2019; WASH in Schools data: Drinking Water, Sanitation and Hygiene in Schools - Global baseline report 2018, JMP, 2018; WASH in Health Care Facilities data: WASH in Health Care Facilities; global baseline report, JMP, 2019

## WHO/UNICEF Technical Brief: Water, Sanitation, Hygiene and Waste Management for COVID-19



This Technical Brief supplements existing *Infection, Prevention and Control (IPC)* documents by referring to and summarizing WHO guidance on water, sanitation and health care waste which is relevant for viruses (including coronaviruses).

**Check for new updates from:**

This Technical Brief is written in particular for water and sanitation practitioners and providers and is regularly updated.

<https://www.who.int/publications-detail/water-sanitation-hygiene-and-waste-management-for-the-covid-19-virus-interim-guidance>

## UNICEF Hygiene Programming Guidance Note COVID-19 Emergency Response



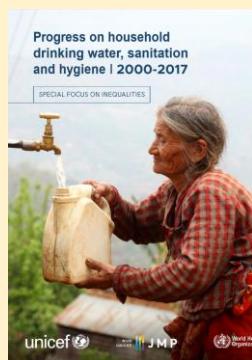
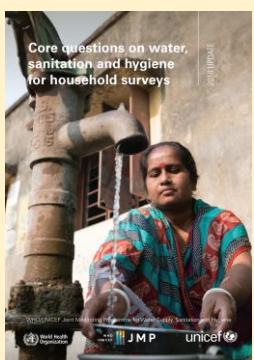
This Note is intended for WASH and C4D officers working together on the COVID-19 outbreak preparedness and response. It provides guidance on which aspects to consider when planning and implementing a hygiene promotion campaign as part

of a broader risk communication & community engagement strategy. The content is based on lessons learnt regarding gaps in hygiene promotion during past public health emergencies and general programming.

Check for new updates from: <https://washdata.org/monitoring/hygiene>

## JMP Core Questions to Strengthen National Monitoring of SDG 6.1 and 6.2 on Water, Sanitation and Hygiene through Household Surveys and Censuses, Education Monitoring Information Systems (EMIS) and Health Management Information Systems (HMIS)

### JMP Core questions on water, sanitation and hygiene for household surveys



During the MDG period the JMP partnered with major international survey programmes to develop and standardize core questions and indicators for use in national household surveys and censuses which were the prime data sources for the JMP.

Since publication of the JMP core questions in 2006, international survey programmes have aligned their questionnaires and the core questions have been used extensively in national

surveys and censuses around the world, leading to increased harmonization of national WASH data.

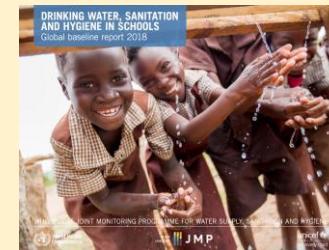
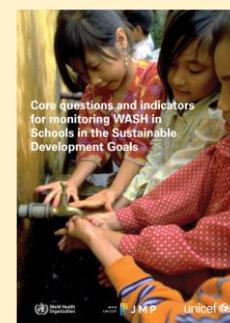
The indicators selected for monitoring the SDG WASH targets build on the established improved/unimproved facility type classification and introduce additional criteria, derived from the human rights to safe drinking water and sanitation, relating to the level of service provided. Since 2012, the JMP has been

collaborating with the UNICEF Multiple Indicator Cluster Survey programme and other inter-national survey programmes to develop and test new questions that address the SDG criteria for service levels, including an innovative new module for water quality testing in household surveys.

### Harmonizing approaches to monitoring WASH in Schools

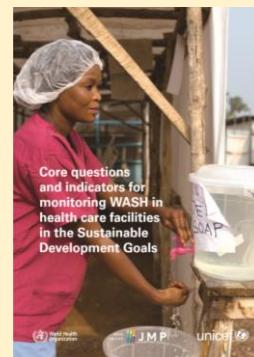
International consultations between 2011 and 2013 identified schools as a priority setting for global WASH monitoring post-2015. A preliminary UNICEF review identified 149 countries with existing national data on WASH in primary schools but, found indicator definitions were often missing and varied widely between national data sources, limiting the potential for cross-country comparison. The WHO/UNICEF JMP subsequently convened a global task team of WASH and education experts to review global norms and standards and develop a

harmonized set of core indicators and questions for monitoring basic drinking water, sanitation and hygiene services in schools. The official global indicator for SDG target 4.a refers to these harmonized definitions for WASH in schools ('as per WASH definitions') and the core questions and indicators are increasingly being incorporated into national Education Information Management Systems (EMIS) and major school surveys around the world. Continued collaboration between WASH and education stakeholders will be important to



support the progressive standardization of data collection and analysis for national and global reporting of WASH in schools.

### Harmonizing approaches to monitoring WASH in Health Care Facilities



The **core indicators and questions in this guide** were developed by the Global Task Team for Monitoring WASH in Health Care Facilities (HCF), convened by the WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene (JMP), and working under the auspices of the Global Action Plan on WASH in HCF. They are derived from current global normative documents, national standards and regulations, questions that have been used in facility assessment surveys and censuses, and the normative criteria of the human rights to water and sanitation: accessibility, availability, quality and acceptability.

National estimates can be derived from **facility-based surveys** that collect data via interviews and observations by trained enumerators, as well as routine administrative reporting systems filled out by health care workers and managers (e.g. Health Management Information Systems [HMIS]). The core questions are intended to be:

1. applicable for use in different types of data collection mechanisms
2. relevant in all countries and settings,
3. focused on the minimum criteria for provision of basic WASH services in HCF.



For countries where the minimum criteria for basic WASH services are not aspirational and monitoring systems have the capacity for additional questions, the core questions can be supplemented with additional questions from a list of possible topics provided in Annex A of the guide. This document:

- describes why it is important to adopt a harmonized set of core questions for monitoring WASH in HCF;
- presents core indicator definitions for "basic" WASH services in HCF and associated service ladders;
- introduces core questions to support harmonized data collection to monitor WASH in HCF;
- provides an example of incorporating the core questions in national questionnaires (e.g. HMIS);
- presents examples of data analysis and tabulation to calculate coverage of "basic" WASH services in HCF; and
- suggests topics that could be used in detailed assessments that go beyond the minimum set of basic service indicators.