

Plumbing Aspects of Health Care Facilities in the Philippines

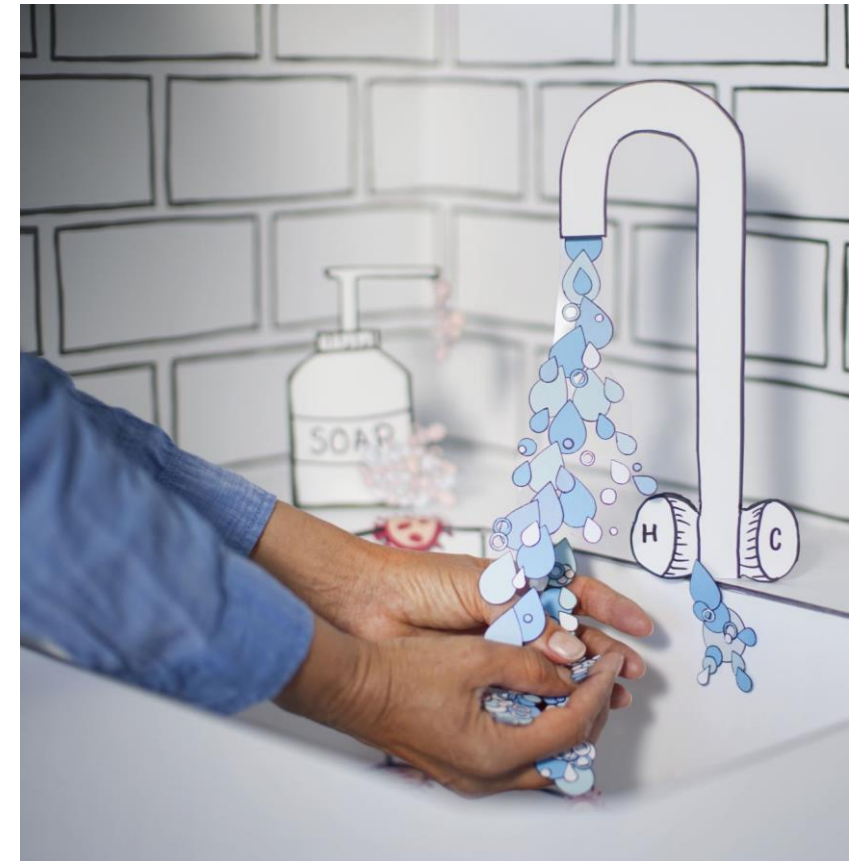
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WHO-Philippines

Outline

- Introduction
- Progress of WASH FIT Program in the Philippines
- WASH FIT Indicators Related to Plumbing
- Plumbing Technologies and Products in WASH FIT
- Plumbing Issues in Health Care Facilities
- Proposed “Plumbing for Health Project” in the Philippines



COUNTRIES AND AREAS OF THE WHO WESTERN PACIFIC REGION

- **Western Pacific Region Population:
1.9 billion across 37 countries and areas**

- **Philippine Population
(2023): 117 Million**



Status of WASH in Health Care Facilities

World

- 1 in 4 lack basic water (25%)
- 1 in 5 have no sanitation (20%)
- 42% lack hand hygiene at point of care
- 40% lack systems to segregate waste

Source: (WHO/UNICEF, 2019 Global Baseline Report)



Western Pacific Region

- 35% of all HCFs do not have access to an improved water source on premises.
- 18% of all HCFs have no access to sanitation services
- 16% of all HCFs do not have access to functional hand hygiene that include soap and water or hand sanitizer at points of care or close to the sanitary facilities.
- 78% of all HCFs do not have a sound waste management system in place

Source: HAE/WPRO, 2019-2020 Assessment of WASH in HCFs)

Health Care Facilities in the Philippines

The official national reference directory or master list of health facilities in the Philippines.



Updated as of:

Monday, October 09, 2023

8:12:07 AM

Total Health Facilities

39,610

Total Hospitals

1,345

Total Infirmarys

656

Total Rural Health Units

2,605

Total Barangay Health
Stations

25,664

Total Other Health & Health
Related Facilities

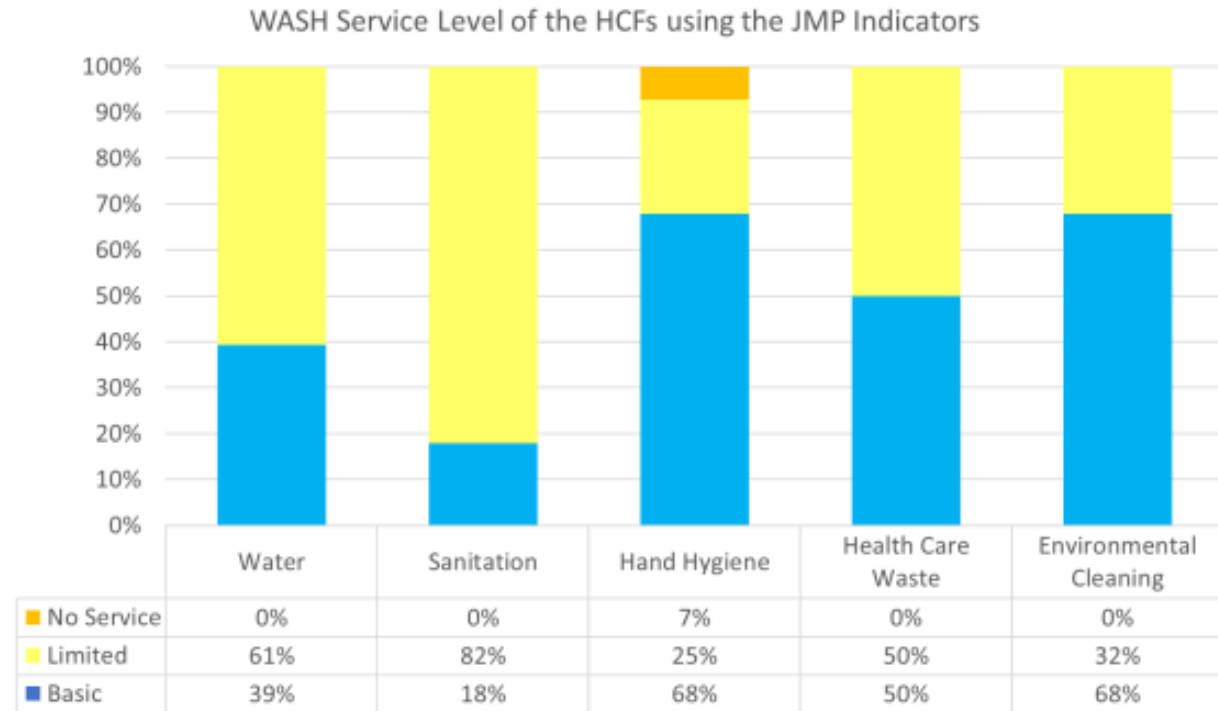
9,340

Source: <https://nhfr.doh.gov.ph/Home>

WASH in HCF in the Philippines

(based from 28 HCFs supported by WHO)

- Lack basic water – 61%
- Lack basic sanitation – 82%
- Lack basic hand hygiene -32%
- Lack health care waste management----- 50%



WHA Resolution on WASH in HCF

SEVENTY-SECOND WORLD HEALTH ASSEMBLY

WHA72.7

Agenda item 12.5

28 May 2019

Water, sanitation and hygiene in health care facilities

The Seventy-second World Health Assembly,

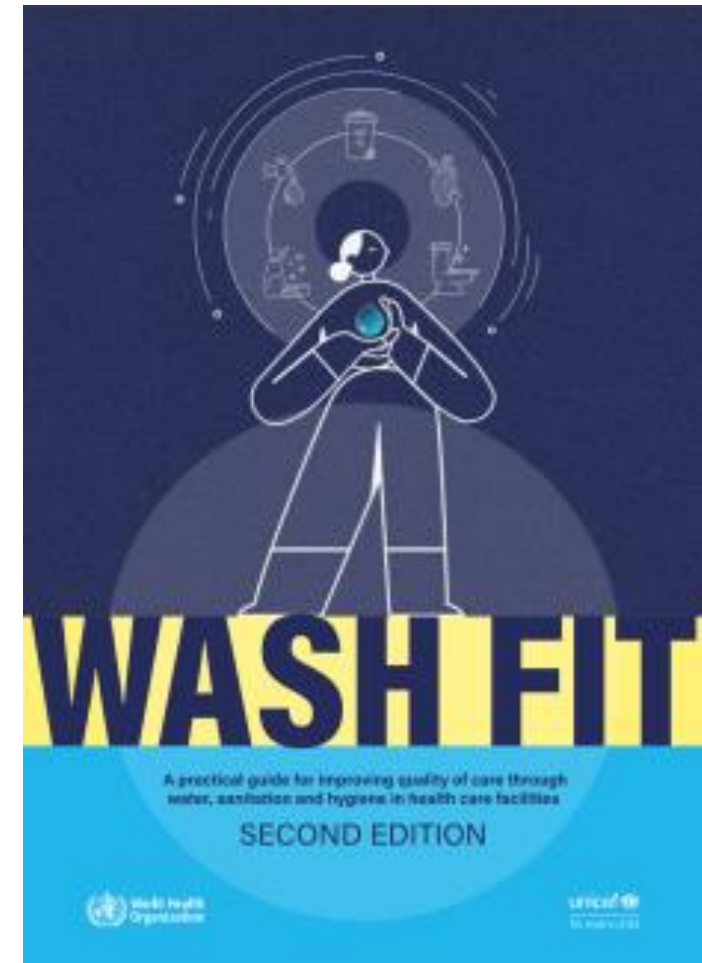
Having considered the report on patient safety: water, sanitation and hygiene in health care facilities;¹

WASH FIT as a Strategy

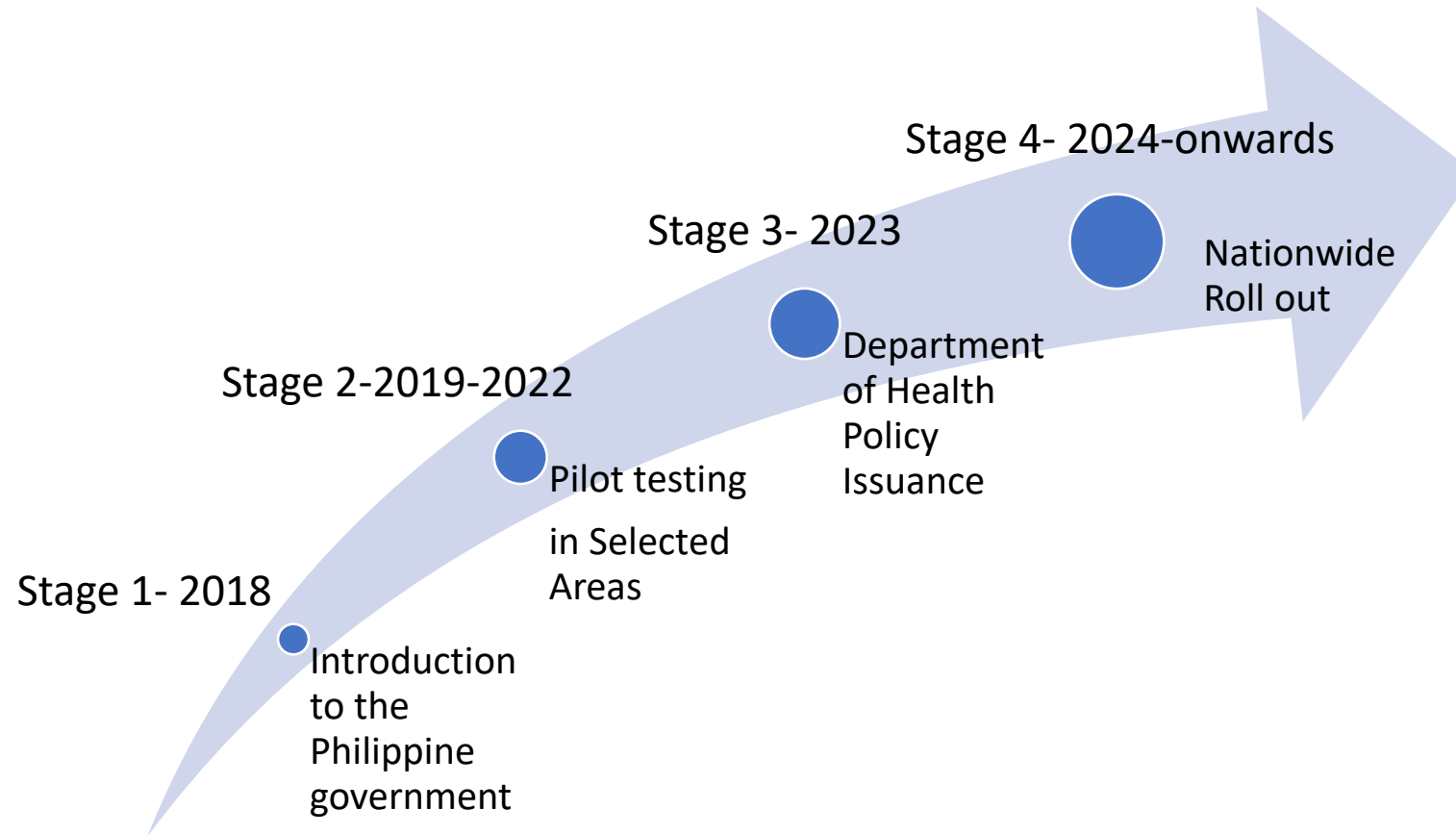
A **risk-based management tool** for improving and sustaining WASH services

A planning and implementation **guide**

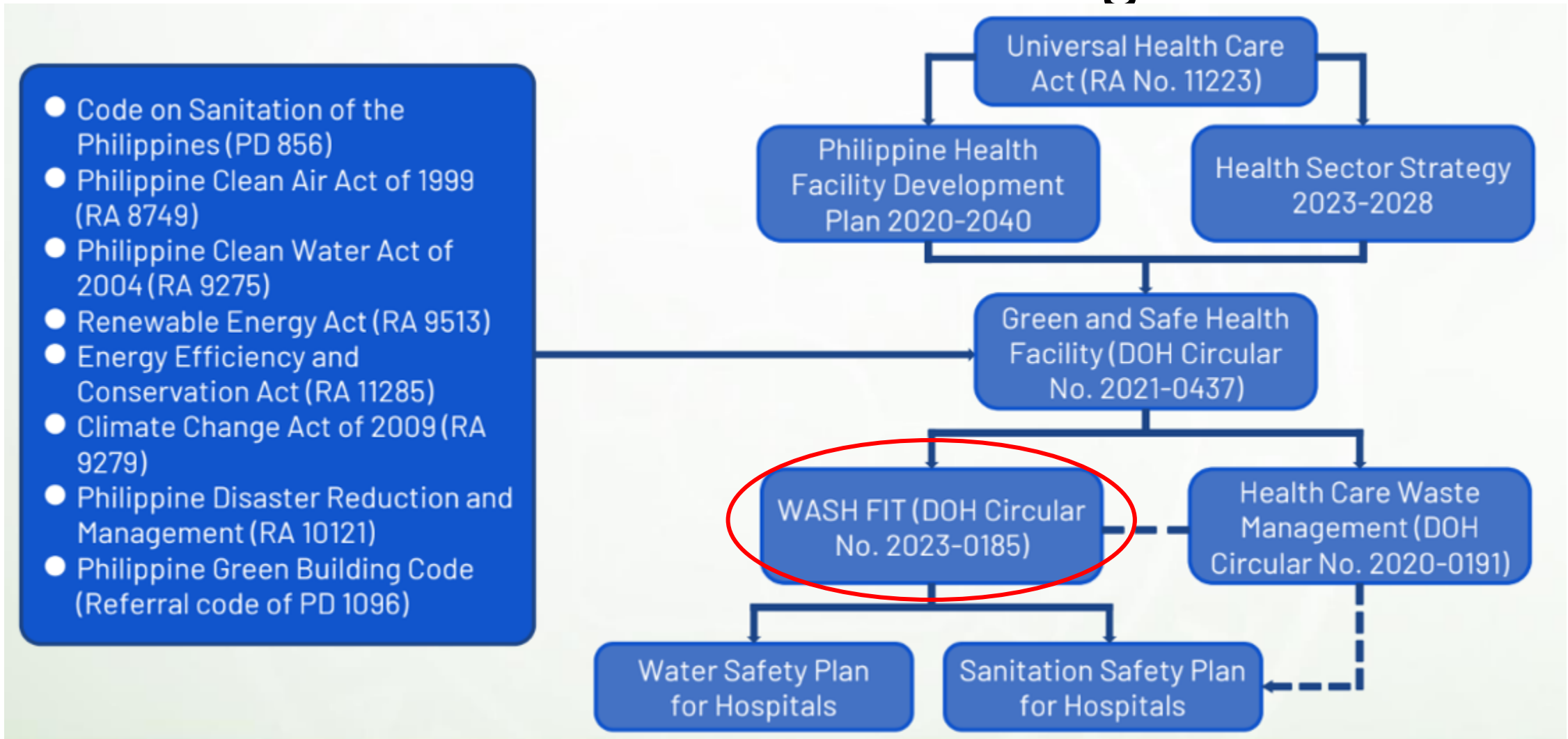
A **tool** that supports **infection prevention and control**



Progress of WASH FIT Programme in the Philippines

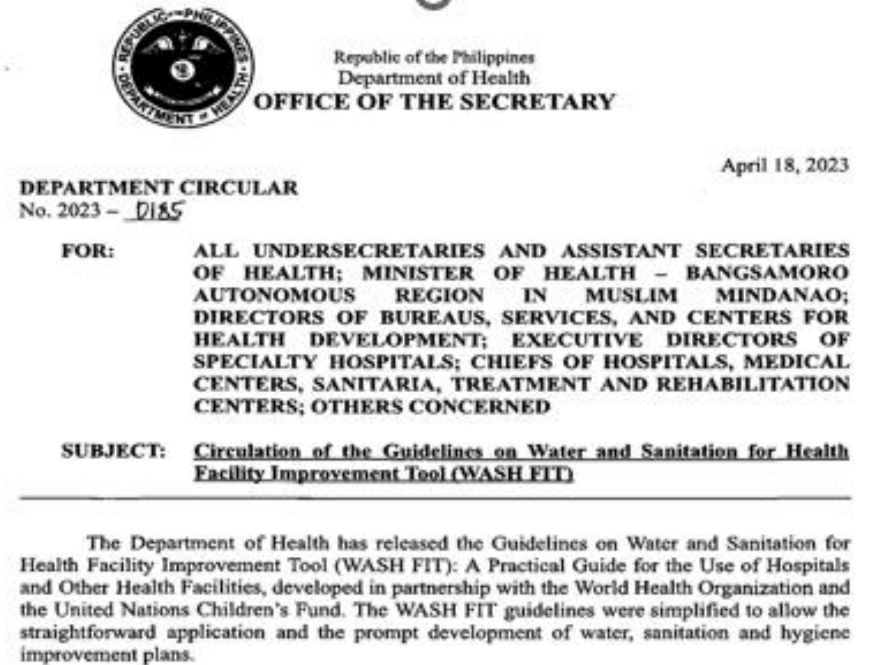


WASH FIT in the Context of Universal Health Care Law and Climate Change



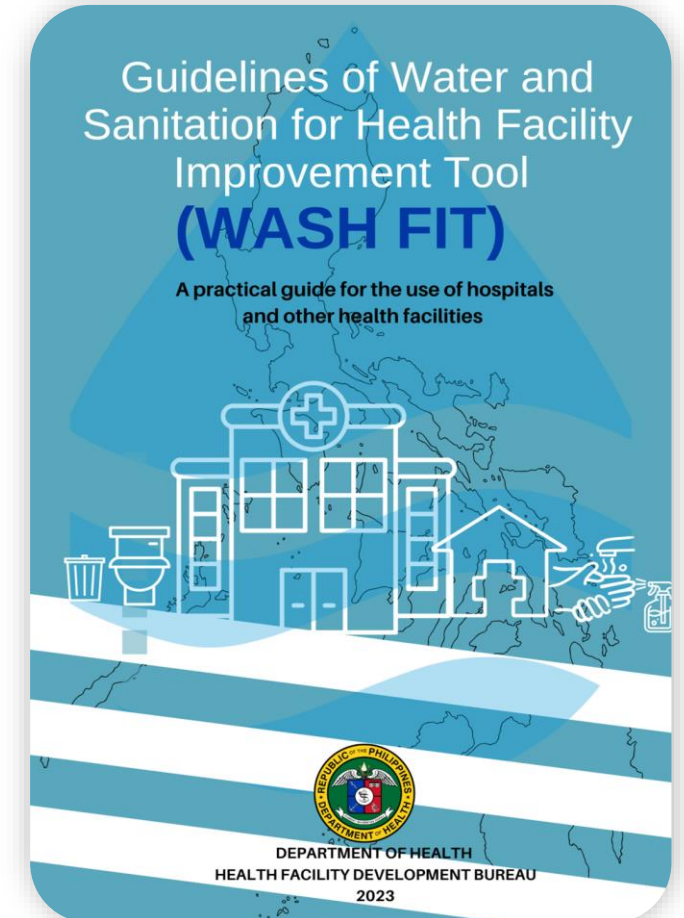
DOH Guidelines for WASH FIT

- DOH Department Circular No. 2023-0185: Circulation of the Guidelines on Water and Sanitation for Health Facility Improvement Tool (WASH FIT)



DOH Guidelines for WASH FIT

- The DOH's Green and Safe Health Facilities Manual, 1st Edition or Green Manual sets WASH as one of its performance standard.
- Implementing WASH FIT can guide HCFs to become climate resilient
- The DOH Guidelines of WASH FIT has been simplified to allow the straightforward application of the tool and the prompt development of water, sanitation, and hygiene (WASH) improvement plans.



Six WASH FIT Domains

1



Water

supply, storage,
quality, conservation

2



Sanitation

Toilets, treatment,
wastewater

3



Waste Management

From generation
to final disposal

4



Hand Hygiene

Infrastructure,
compliance, training

5



Environmental Cleaning

Staff, protocols

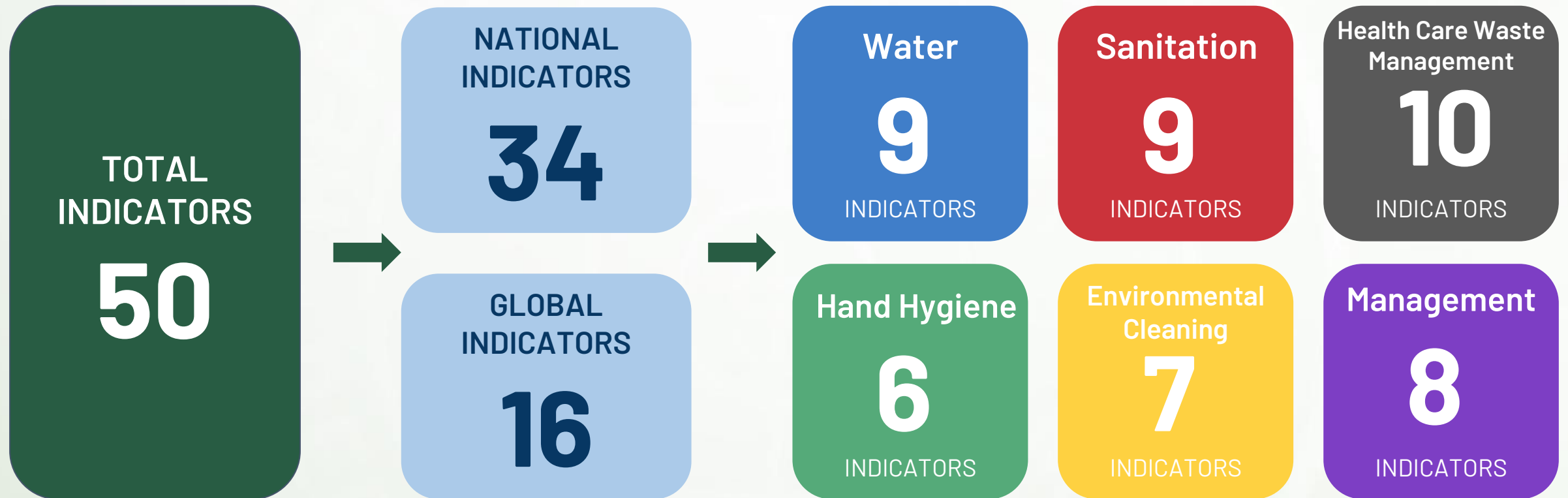
6



Management

Lighting, pumping, heating,
ventilation, training,
occupational health

WASH FIT Indicators



WASH FIT Indicators Related to Plumbing: Water



INDICATOR: 1.15 P Improved DRINKING WATER supply piped Into facility or on premises

INDICATOR: 1.1 Improved water supply piped into facility or on premises, with no leaks

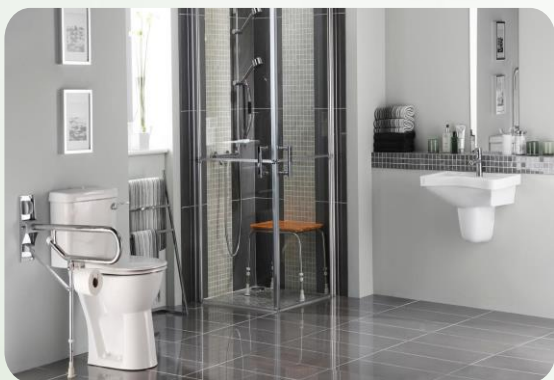
INDICATOR: 1.3 Reliable drinking water station available

INDICATOR: 1.4 Drinking water safe storage and has no E. Coli

INDICATOR: 1.8 Water storage is sufficient

INDICATOR: 1.13 Shower and bathing areas accessible and functioning

WASH FIT Indicators Related to Plumbing: Sanitation



INDICATOR 1.12 Sufficient number of functional toilets or latrines available

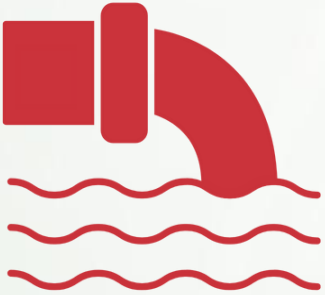
INDICATOR 2.2 Toilets or latrines separated for staff, patients, and visitors

INDICATOR 2.3 Toilets or latrines separated for male and female

INDICATOR 2.5 Toilet meeting the needs of people with reduced mobility

INDICATOR 2.6 Functioning hand hygiene stations at latrines or toilets

WASH FIT Indicators Related to Plumbing: Sanitation



INDICATOR 2.8

Wastewater (both greywater and black water) is safely managed



INDICATOR 2.9

Greywater drainage system is safely managed

WASH FIT Indicators Related to Plumbing: Hand Hygiene



INDICATOR 3.1 Functioning hand hygiene stations are available at all points of care

INDICATOR 3.3 Functioning hand hygiene stations available in service areas

INDICATOR 3.3 Functioning hand hygiene stations available in waste disposal area



Plumbing Technologies and Products in WASH FIT

- Water

Pipes, fittings, storage tanks, water dispensers, showers, water pumps

- Sanitation

Toilet bowls, bidet, wastewater/drainage pipes, septic tanks, flexible hose for desludging

- Hand hygiene

Handwashing facility, sinks, lavatories

Plumbing Issues in Health Care Facilities

- Sub-standard plumbing materials
- Plumbing defects (e.g. leaks, broken flush tank valves) not immediately repaired
- Lack of guidelines for regular maintenance of storage tanks and water dispensers
- Inadequate desludging services and septage treatment facilities
- Uniform plumbing code still to be adopted as a reference code of the National Building Code

Proposed “Plumbing for Health Project” in the Philippines

- Development of guidelines for determining standard plumbing materials
- Introduction of green plumbing design standards in health care facilities
- Capacity building for sanitary engineers and plumbers for green plumbing design and installation
- Updating of Uniform Plumbing Code of the Philippines to become Green Plumbing Code in the Philippines

THANK YOU FOR YOUR ATTENTION!!!

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