

# WASH in HMIS: Limitations and opportunities

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# Scope of presentation

- Lessons from WASH in schools
- HMIS WASH indicators
- Status of WASH in HCFs in ESAR
- HMIS WASH-related health indicators
- Recommendations and way forward

# WASH in schools







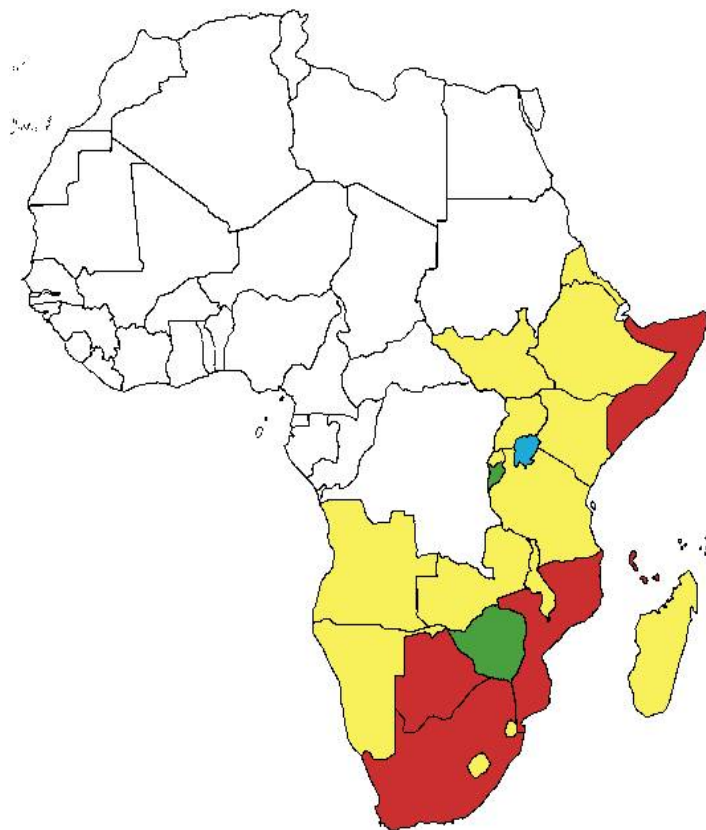
## Is WASH included in the EMIS?

16 out of 21 countries include WASH in the EMIS

Only 7 countries have data on *handwashing facilities*

Only 2 countries consider facility *conditions*

-  Yes, including conditions
-  Yes, but not conditions
-  No, WASH is not included
-  Not in the ESAR

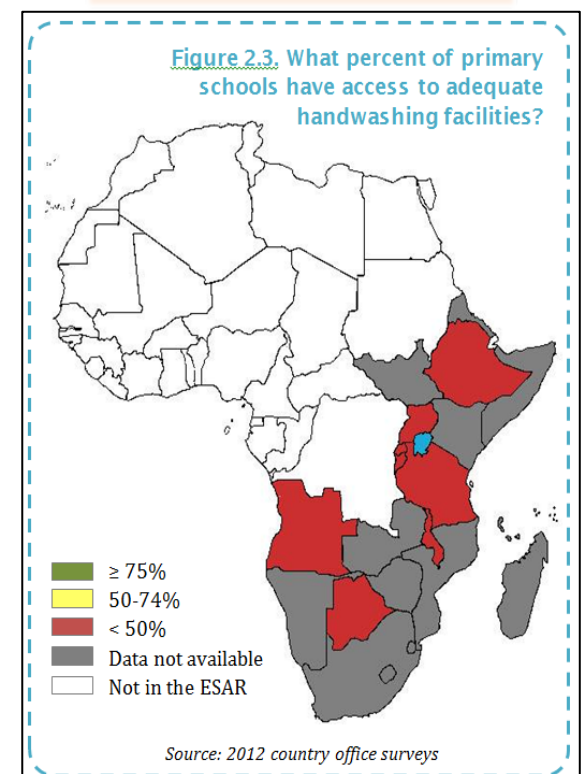
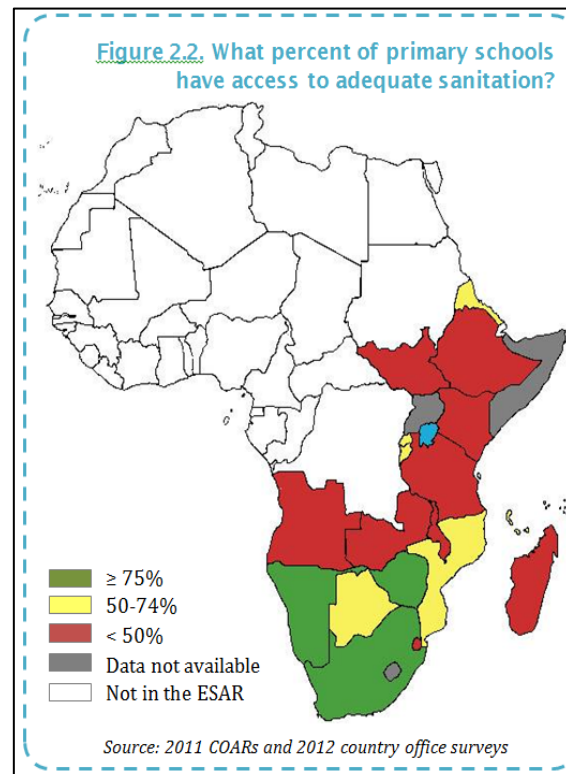
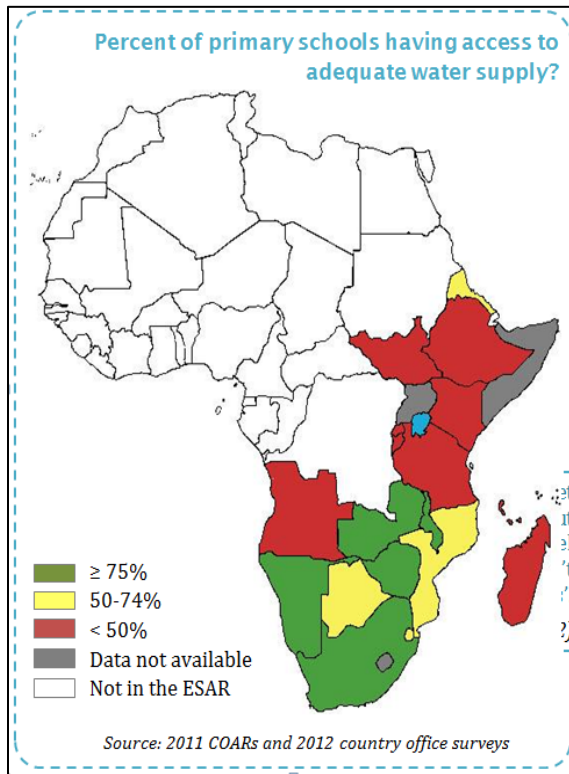


# WASH in schools

On average,  
**53% of schools**  
have  
“adequate”  
water supply

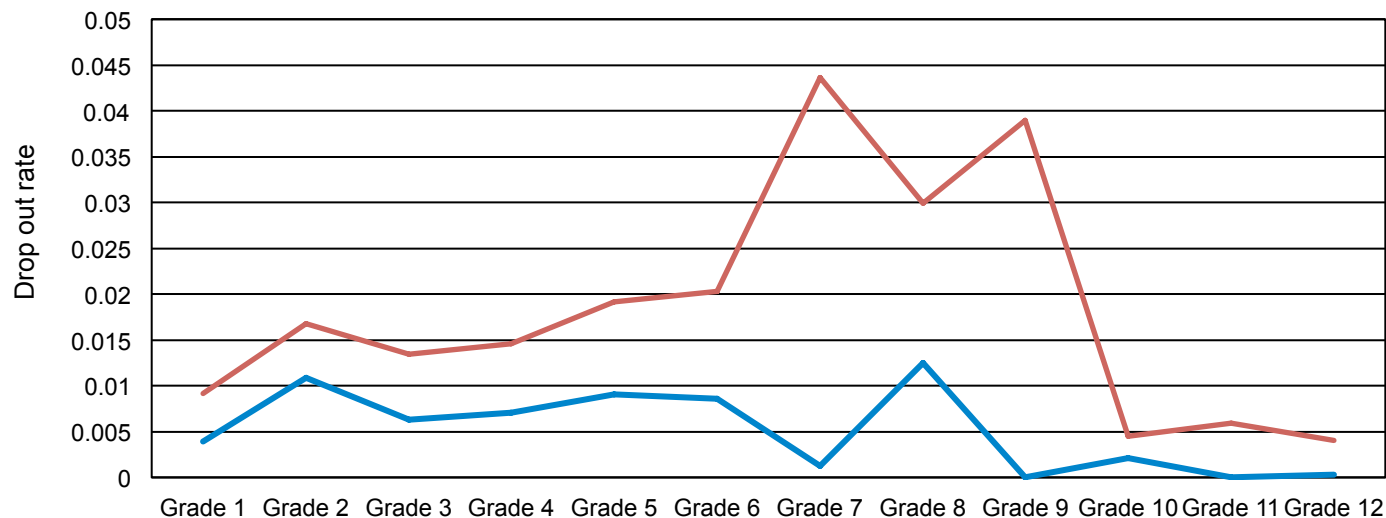
On average,  
**45% of schools**  
have  
“adequate”  
sanitation

On average,  
**13% of schools**  
have  
“adequate”  
handwashing  
facilities

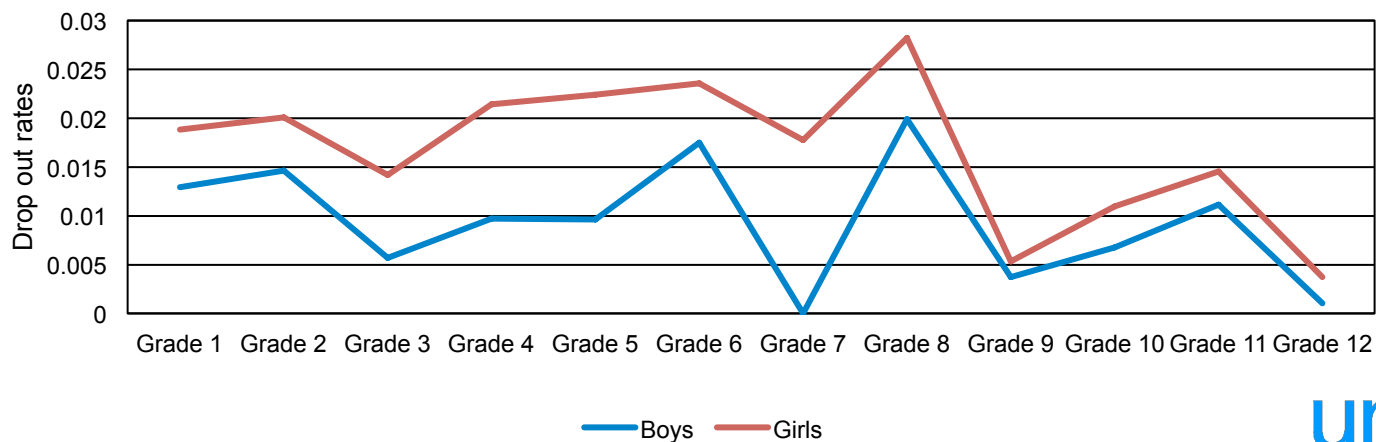


# Evidence-based advocacy

Drop out rate in schools with 100 or more students per toilet, Zambia



Drop out rates in schools with 20 or less students per toilet, Zambia



# HMIS WASH indicators

*‘Of the 68 national HMIS surveys included in the WHO Health Metrics network, none of the data sets or reports included WASH in health care facility indicators.’*

**Table 2. Definition of WASH in health care facilities**

WASH element	Definition
<b>Water</b>	Presence of a water source or water supply in or near (within 500 m) the facility for use for drinking, personal hygiene, medical activities, cleaning, laundry and cooking. Does not consider safety, continuity or quantity.
<b>Sanitation</b>	Presence of latrines or toilets within the facility. Does not consider functionality or accessibility (e.g. for small children or the disabled).
<b>Hygiene</b>	Availability of handwashing stations with soap or alcohol based hand rubs within the facility.

## Water, sanitation and hygiene in health care facilities

Status in low- and middle-income countries and way forward



# WASH in healthcare facilities






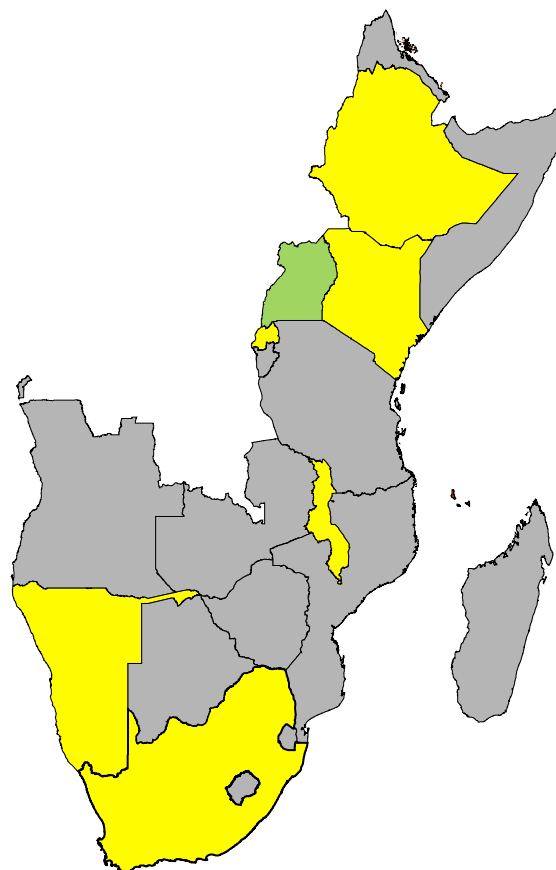
## Is WASH included in the HMIS?

*At least 7 out of 21 countries include WASH in the HMIS or national census*

No data on handwashing facilities but availability of soap included in some

*Most countries do not consider facility conditions*

-  Yes, including conditions
-  Yes, but not including conditions
-  No, WASH is not included



*Note: Information not complete for some countries*



# HMIS WASH facility-specific indicators

## WATER SUPPLY INDICATORS

**Source of water** (Y/N)

**Type of water source** (Specify: Piped water system; protected springs/dugwells; unprotected springs/dugwells; tubewells/boreholes; public taps/standpipes; rainwater harvesting; water trucks; surface water)

**Water storage facilities** (Y/N)

(Specify: Overground/underground tanks; buckets/pots)

## SANITATION INDICATORS

**Availability of toilets** (Y/N)

**Number of toilets**

**Toilet type** (Specify: Pit, flush etc.)

## HYGIENE INDICATORS

**Availability of soap, disinfectant etc.**

**Availability of waste disposal equipment (including menstrual hygiene)**

**Availability of sterilization equipment**



# HMIS FORM 101: HEALTH UNIT PHYSICAL INVENTORY

Page 1

Date of Inventory \_\_\_\_\_ Page \_\_\_\_\_ of pages \_\_\_\_\_ In-Charge Name \_\_\_\_\_ Title \_\_\_\_\_ Signature \_\_\_\_\_

Witness Name \_\_\_\_\_ Title \_\_\_\_\_ Signature \_\_\_\_\_

## 1. GENERAL INFORMATION

### 1. Health Facility Inventory

Name of Unit/Health Unit Code						
Level (Circle appropriate)	II	III	IV	GENERAL HOSPITAL	REGIONAL REFERRAL HOSPITAL	NATIONAL REFERRAL HOSPITAL
Ownership						
District						
HSD						
Sub-County						
Parish						
Availability of a health facility land title						

Ownership Key: A = GoU, B = PNFP, C = Private (Health Provider)

Availability of land title: PUT YES/NO

## 2. WATER AND SANITATION FOR THE HEALTH UNIT

### 2.1 Water Supply that the Health Unit depends on:

Water Source	Availability	Distance from unit (km)	Condition
1. Unprotected spring			
2. Protected Spring			
3. Borehole			
4. Piped			
5. Rainwater harvesting			

### 2.2 Sanitation facilities

Facility	Availability	Number	Condition
1. Pit Latrine Stances/Staff			
2. Pit Latrines Stances /Patients			
3. Medical waste pit			
4. Placenta pit			
5. Rubbish pit			
6. Incinerator			
7. Water borne toilets			
8. Hand washing facilities next to the toilets/ latrines for the Health Unit			

Availability Key: 1 = Available, 0 = Not Available

Condition Key: A: Functional and in good condition, B: Functional but needs repair, C: Not functional but repairable D: Not functional and not repairable

Health Management Information System, Health Unit Procedure Manual (August, 2010)

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# Recommended core indicators

## 1: The proportion of health care facilities with basic water supply facilities

Facilities where the main source of water from an improved source located on premises that is **functional** at the time of visit.

## 2: The proportion of health care facilities with basic sanitation facilities

Facilities with improved sanitation facilities located on premises that are **functional** at the time of visit, **gender-separated and accessible to people with limited mobility**, with **handwashing facilities including a basin with soap and water, and with disposal bins for of menstrual hygiene materials (women/girls toilets only)**.

## 3: The proportion of health care facilities with basic handwashing facilities

Facilities with handwashing facilities located within the outpatient area, including a basin with water and soap or alcohol-based hand rubs.

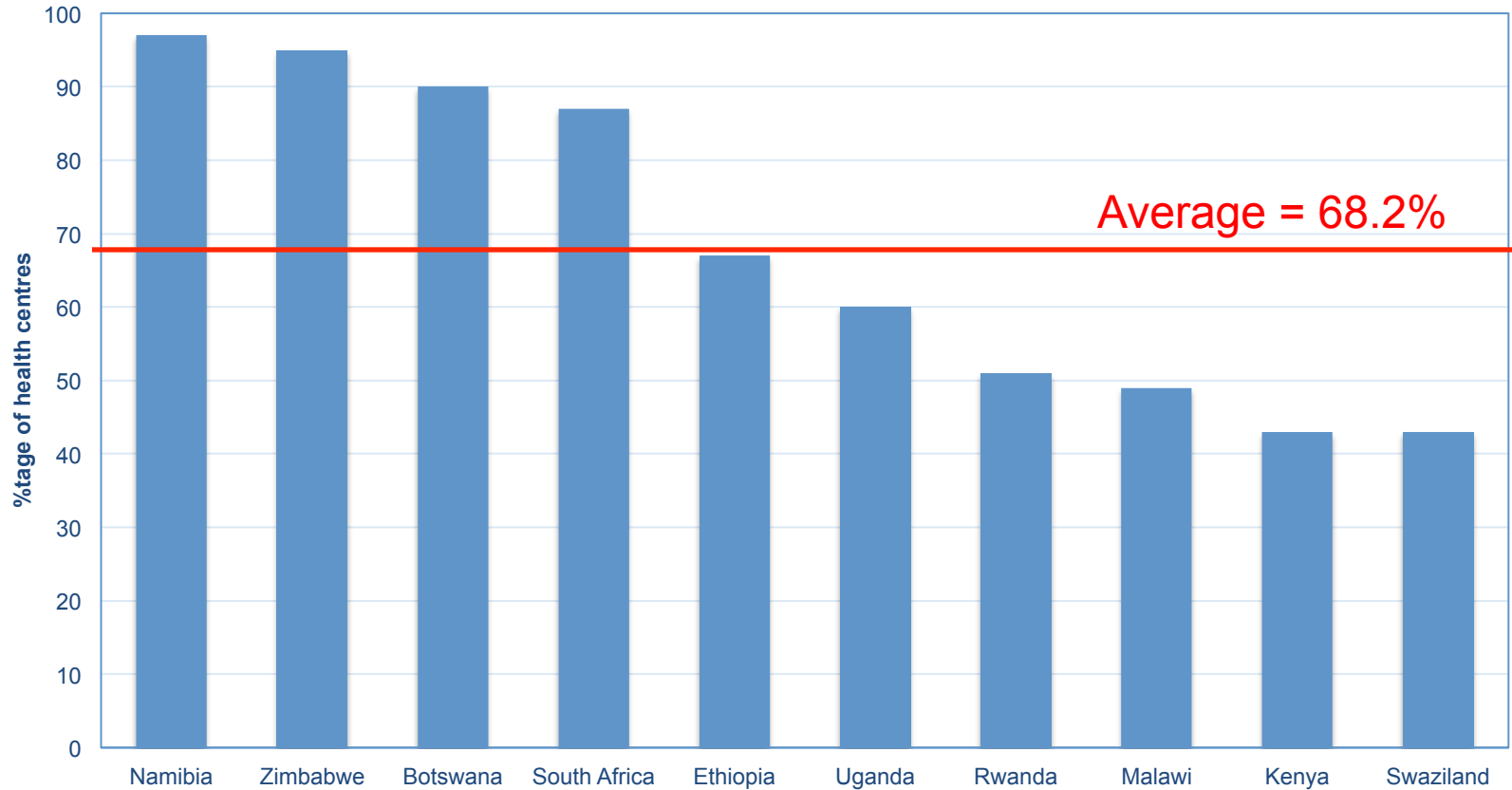
## 4: The proportion of health care facilities practicing basic cleaning routines

Facilities where all toilets and floors are cleaned at least once per day.

## 5: The proportion of health care facilities practicing basic solid waste management.

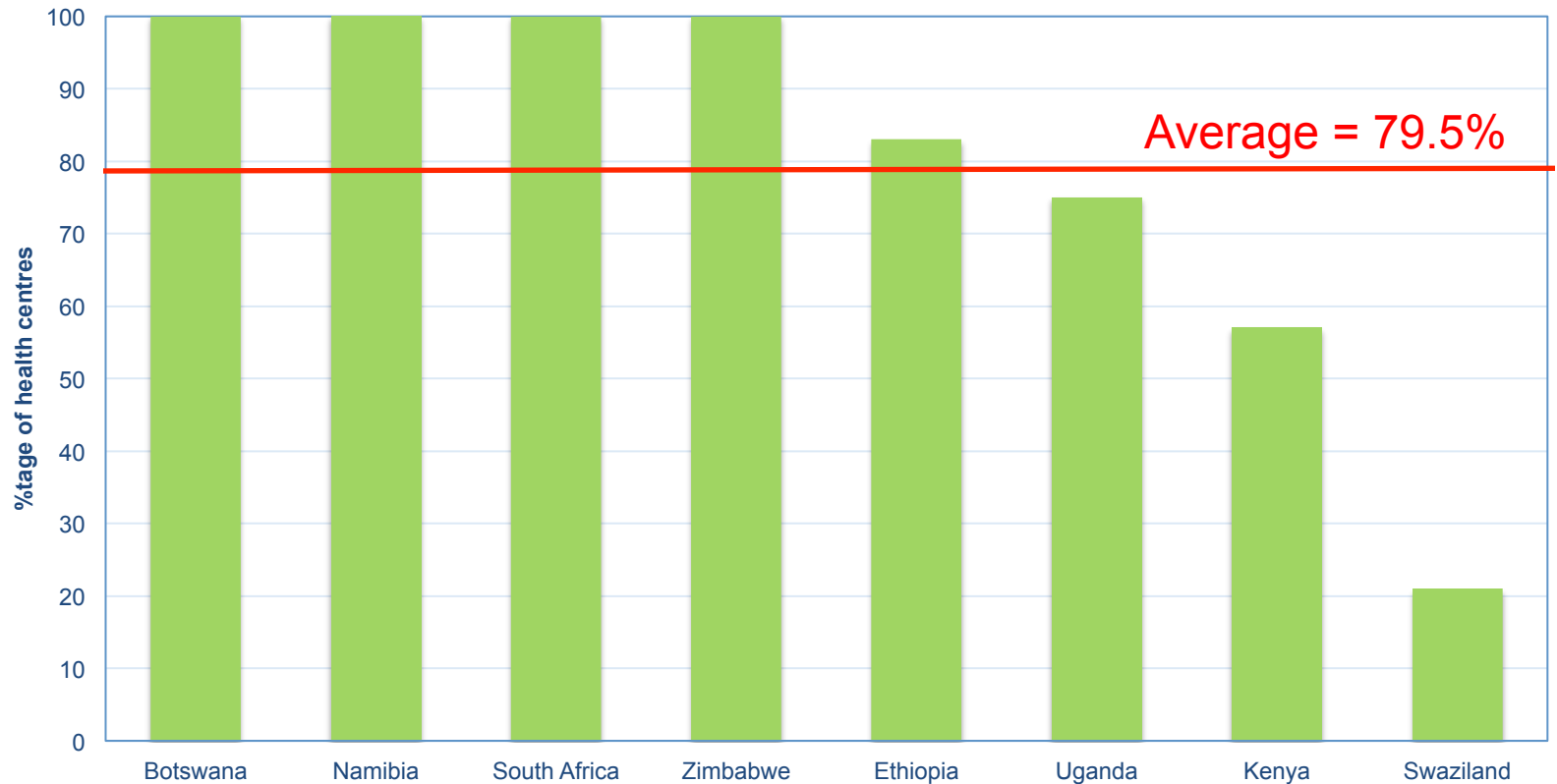
Facilities where health care wastes are segregated into at least three groups (general waste, infectious waste, sharps waste) and collected separately in well-marked and covered bins, and where an incinerator or other appropriate treatment method is available and functioning on the day of visit.

# ‘Adequate’ water supply



*Data sources: HMIS and national censuses or surveys*

# ‘Adequate’ sanitation



*Data sources: HMIS and national censuses or surveys*

# HMIS: WASH-related health indicators

- Most indicators relate to reported cases
  - diarrhoea, cholera, trachoma, schistosomiasis etc.
- Very few in-facility indicators
  - Direct and indirect causes of maternal deaths in health facility (Kenya)
  - Causes of prenatal deaths in health facility (Kenya)
  - Proportion of deaths in health facility (Kenya)
  - Avoidable factors for neonatal deaths in health facility (Rwanda)
  - Birth and prenatal deaths in health facility (Rwanda)
- HCAI not included in general

# Recommendations

- Finalise core WiHCF indicators and questions
- Advocate for inclusion of core WiHCF indicators in national HMIS systems
- Apply the findings of operational research on the burden and causes of HCAI relating to WASH to identify key health indicators for the inclusion within HMIS
- Further explore possible HMIS analyses for advocacy purposes