

Republic of Zambia

Ministry of Health

National Technical Assessment Tool for WASH in Health Care Facilities





Ministry of Health

funded by



Developed in collaboration with

























National Technical Assessment Tool for WASH in Health Care Facilities

This assessment shall be conducted at both government and private owned Health Care Facilities.

The assessment shall be conducted by a team (normally 6 people) gender balanced if possible composed of:

- Public Health Officer / Practitioner.
- Environmental Health Officer.
- Civil Engineer or Quantity Surveyor or Architect.
- · Social Scientist.
- Representative from an organisation representing persons with disabilities.
- Representative from a women's rights organization with focus on Maternal Health.

When engaging with the medical staff be mindful of their responsibilities and try to minimize the time spent engaging them in conversation or in inspection of the premises.

District name:	Name of Facility:
Constituency:	Ward:
Chiefdom:	Date:
List of Assessors:	
1	
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Transect Walk

The assessment team will undertake a transect walk in the community surrounding the HCF. This should be a 360 degrees walk and should then end with a walk around the HCF itself. The walk will take note of the following:

- Establish the boundaries for the HCFs (check for presence of beacons if relevant to the context).
- Location of houses around HCF (including distance) and identification of which houses belong to the HCF.
- Location of latrines/sanitation facilities within community and around HCF.
- · Location of garbage pits/heaps within community and around HCF.
- Nature/state of housing in community type of housing (i.e. grass thatched, iron sheets, bricks, mud) and the HCF housing.
- · Water sources in community and distance from households and the HCF.
- Evidence of open defecation.
- Location of institutions such as schools, churches and other institutions including noting boundaries of these facilities especially for those adjacent to HCF.
- General maintenance of surroundinghouseholds and public institutions.
- Presence of livestock (location of kraals, drinking troughs and their conditions in relation to location of water sources for both households and communities.

Any other relevant social features and economic activities e.g. quarrying, agriculture, fishing etc.

What is the catchment population for the HCF?		
2. What is the average number of outpatients per day?		
Approximately how many malehow many female?		
What is the average number of inpatients per day?		
4. What is the average number of births per month?		
5. Who owns the land on which the HCF is located?		
6. Is there proof of ownership like a title deed, letter from the Chief or Lease agreement?	☐ Yes ☐ No	
7. What is the extent of the land belonging to the HCF?		
8. If land is on lease, owned by others (not government), is there a contract agreement	☐ Yes ☐ No	
9. If yes, who is the custodian of the contract agreement?		
10. If yes, what copy of the agreement is available at the HCF?		



Section A: Infrastructure development (Site and Plans)

Qs no.	Questions and Filter	Response	Skip
1.	What facilities are available at the HCF? (Tick all that applies)	□ OPD □ Maternity ward □ Male ward □ Female ward □ Mothers shelter □ VCT Centre □ Lab □ Pharmacy □ Stores □ Health care waste bay □ Incinerator □ Ash pit □ Placenta pit □ Relative's shelter □ Non − Refuse Bay □ Kitchen □ Theatre □ Dental □ Mortuary □ Kitchen/Restaurant □ Other(s) Specify	
2.	Are there architectural designs for the structures?	YesNoDo not know	
3.	Is there an existing layout plan of the HCF?	O Yes O No	
4.	Is there a current plan for expansion/extension of HCF?	YesNoDo not know	If no skip to A.6
5.	What structures are already built as indicated on the layout plan?	 □ OPD □ Maternity ward □ Male ward □ Female ward □ Mothers shelter □ VCT Centre 	

Qs no.	Questions and Filter	Response	Skip
		□ Lab □ Pharmacy □ Stores □ Healthcare waste bay □ Incinerator □ Mothers shelter □ Other(s) Specify	
6.	Are there existing structures not captured on the existing layout plan? Hint: project initiated buildings, prefabs, etc.	O Yes O No	
7.	(7a) Are there cracks on any of the building(s)? (7b) If yes, which building (s)?	O Yes O No OPD □ Maternity ward □ Male ward □ Female ward □ Mothers shelter □ VCT Centre □ Lab □ Pharmacy □ Stores □ Healthcare waste bay □ Refuse Bay □ Incinerator □ Ash Pit □ Placenta Pit □ Mothers' Shelter □ laundry □ ICU □ Other(s) Specify	If no skip to A.9



Qs no.	Questions and Filter	Response	Skip
8.	State or describe nature of cracks?		
9.	What could have caused the cracks? (Tick all that apply)	 □ Weight of the roof, since no full ring beam was installed □ Weight of the roof, since no timber on the wall plate or partially installed timber on wall plate □ Weak foundation □ Due Heat □ Other(s) Specify 	
10.	What building materials were used to construct the structures? (Tick all that apply)	☐ Concrete blocks (8", 6", 4") ☐ Pan bricks (4") ☐ Traditional kilned clay bricks (6",4") ☐ Prefabricated ☐ Don't know ☐ Other(s) Specify	
11.	What is the state of plaster on the buildings?	Worn out and broken?Intact and strongNot plasteredOther(s) Specify	
12.	How was the ring beam installed?	 Partial (on doors and windows) Full (round the outer walls and internal walls) Other(s) Specify 	
13.	Indicate the building with the cracks and nature		

Qs no.	Questions and Filter	Response	Skip
14.	What materials were used for roofing trusses?	TimberSteelDon't knowOther(s) Specify	
15.	What materials were used for windows?	O Steel frames O Timber frames O No window O Other(s) Specify	
16.	What materials were used for door frames?	O Steel frames O Timber frames O No window O Other(s) Specify	
17.	What materials were used for floors?	O Concrete with screed O Tiles O Wooden floor O Other(s) Specify	
18.	(17a) Is the maternity ward a stand alone building?	O Yes O No	
19.	Does the maternity ward provide privacy? (Tick all applicable)	 □ Distant to other structures □ Obscured windows □ Functional doors □ Internal toilets and showers 	
19	What is the general state of the maternity wards?	 Excellent condition Good condition requiring minor attention like wall filling, painting Bad condition and requiring major rehabilitation 	



Qs no.	Questions and Filter	Response	Skip
21.	Is the inpatient ward (s) a stand alone building?	O Yes O No	
22.	What is the general state of the inpatient ward (s)? Bad condition hint: leaking roof; broken window panes; sagging ceiling; defects to doors; etc	 Excellent condition Good condition requiring minor attention like wall filling, painting Bad condition requiring major rehabilitation 	
23.	Is the outpatient unit a stand alone building or attached to another building?	O Yes O No	
24.	What is the general state of the outpatient unit? Bad condition hint: leaking roof; broken window panes; sagging ceiling; defects to doors; etc	 Excellent condition Good condition requiring minor attention like wall filling, painting Bad condition requiring major rehabilitation 	
25.	What is the general state of the outpatient Department? Bad condition hint: leaking roof; broken window panes; sagging ceiling; defects to doors; etc	 Excellent condition Good condition requiring minor attention like wall filling, painting Bad condition requiring major rehabilitation 	
26.	Are the following units of the facility easy to access for people who may be ill, have limited mobility, have disability, older or pregnant? Hint: An entrance that can be considered accessible for people with limited mobility if it meets relevant national or local standards. Hint (Refer to National Standards)	OPD UNIT Mothers Shelter Yes Yes No No	

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Section B: General Information

B.1. Human resources

Qs no.	Questions and Filter	Response	Skip
1.	Number of Health Care providers/ and support staff employed at the facility	Number of Doctors Snr Medical superintendent Medical superintendent Hospital Administrator Pharmacist Number of Nurses Number of Midwives Number of Cleaners Physiotherapist Nutrition Radiology Dental Community Health Assistants Environ. Health staff Clinical Officer Laboratory staff Others:	
2.	Do you have maintenance plan at the facility? (Provide evidence)?	Yes, Provide EvidenceNo	
3.	Do you have a maintenance committee at the facility?	O Yes O No	If no skip to B1.8
4.	How often do they meet? (Tick all that apply)	 □ Weekly □ Monthly □ Quarterly □ Bi-annually □ Annually □ Adhoc □ Did not meet □ Other(s) Specify 	

Qs no.	Questions and Filter	Response	Skip
5.	Which of the following skills are available for the maintenance of WASH facilities?	FAC. DIST. Hosp. Priv. Plumbing Bricklaying Electrician Refrigerator Carpentry Pump minders Welders Painter Other(s):	
6.	What maintenance records are available? (Tick all that apply)	 ☐ Fault/defects reports ☐ Repair reports ☐ Monthly maintenance reports ☐ No maintenance records available 	
7.	Is there a storage facility where maintenance materials are kept?	O Yes O No	
8.	Is there a stores management system? (Stock control card, requisition books, GRNs)?	O Yes O No	
9.	What structures are present that support the HCF providers? (Tick all that apply)	 □ Health Centre Committee (HCC) □ Epidemic Preparedness Committee (EPC) □ Sanitation Action Groups (SAGs) □ Finance Committee □ Housing Committee □ Human resources □ HoDs committee □ Other(s) Specify 	

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B.2. Finance

Qs no.	Questions and Filter	Response	Skip
1.	What is the main source of funding for maintenance? (Tick all that apply)	☐ GRZ grant ☐ Partners ☐ User fees ☐ Other(s) Specify	
2.	How much funds are received? (State the amounts received)		
3.	How frequent are the funds received from the main source? (Tick one)	Every monthQuarterlyBi annuallyAnnually	
4.	Is there a finance committee that oversees the management of HCF funds with segregated duties?	O Yes O No	
5.	Is there a budget for operations and maintenance?	O Yes O No	
6.	Are there financial records available? Hint: bank statements; imprest requisition records; retirement records; etc	O Yes O No	
7.	How often are the financial management reports shared? Hint: Finance committee, Board, Neighbourhood committees, District Health Office, etc	Every monthQuarterlyBi annuallyAnnually	

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Section C: Water

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Qs no.	Questions and Filter	Response	Skip
1.	What is the main water source for the HCF?	 Spring River Stream Dam Borehole Protected shallow well Semi-protected shallow well Unprotected shallow well Piped water Rainy water harvest Other(s) Specify 	
2.	If piped, what is the source?	SurfaceGround	
3.	Where is the water point located? Hint: On premises means within the building or facility grounds. This question refers to the location from where the water is accessed for use in the health facility (e.g. tap, borehole), rather than the source where it originates.	 On premises 500m from the health facility Between 500-1000m from the HCF Beyond 1000m from the HCF 	
4.	Who owns the water supply facility?	 Health care facility Community Private Commercial utility Other(s) Specify 	



Qs no.	Questions and Filter	Response	Skip
5.	Is the water from the main source currently available and sufficient for all uses at the health facility at the time of assessment? Hint: Where possible, confirm that water is available from this source, e.g. check that taps or hand pumps deliver water e.g. check that taps or hand pumps deliver water water	O Yes O No	
6.	Is the facility water source services available throughout the year?	Yes, throughout the yearNo	
7.	How is the facility's drinking water provided?	 Direct from the tap In buckets with lids In lockable plastic containers Bottled water In a dispenser Other(s) Specify 	
8.	Who is responsible for collecting drinking water if not available in the building? Tick all that apply	 Healthcare staff Cleaners or maintenance staff Patients themselves Those who accompany patients, i.e. patients family members, carers or companions 	
9.	Is a reliable drinking water station present and accessible for staff and patients/carers at all times and in all locations/wards?	Yes, throughout the yearNoPartially (for some stations)	
10.	Are the drinking water points accessible to people with special needs (older, sick, disabled, weak or pregnant? (Define special needs in the field guide)	O Yes O No	



Qs no.	Questions and Filter	Response	Skip	
11.	Does the health facility have sufficient water storage facilities to meet the needs for 2 days?	O Yes O No		
12.	What type of water quality test is done? (Define the water quality test conducted)	□ Bacteriological□ Physical□ Chemical□ None	If None skip to C17	
13.	How often are these tests done? (for each type of test ticked)	Bacteriological Chemical Physical □ Daily □ Daily □ Daily □ Weekly □ Weekly □ Weekly □ Monthly □ Monthly □ Monthly □ Quarterly □ Quarterly □ Quarterly		
14.	Who conducts the water quality tests?	 Environmental Health Practitioners Community volunteers Laboratory Scientist Other(s) Specify 		
15.	Are water quality results available at the HCF? (Need to ask for proof for most recent results)	Yes, providedNo	If results not provided or No, skip to C17	
16.	Does the water supply meet National standards? (Refer to recent results)	YES NO 1. Bacteriological 2. Physical 3. Chemical		
17.	Has the facility experienced any WASH related outbreak in the past six months?	O Yes O No If yes, specify		
18.	Did the drinking water meet the appropriate chlorine residual (0.2mg/l or 0.5mg/l) during the outbreak period?	O Yes O No		
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Section D: Sanitation

(Toilets: The minimum number of toilets required to meet the criteria for a basic sanitation service is one toilet dedicated for staff, and atleast one sex-separated toilet with menstrual hygiene facilities, and at least one toilet accessible for people with limited mobility). Note: Accessibility to be defined in the standards.

Qs no.	Questions and Filter	Response	Skip
1.	How many functional toilets are available for at the HCF?		
2.	How many usable (available, functional, private) toilets do you have at the facility?	Maternity OPD IPD Male Female	
3.	What type of toilets / latrines are at the facility? (select ones that apply) Hint: To be considered private, the toilet stall has doors that can be locked from the inside and there are no large gaps or holes in the structure.	 ☐ Flush / pour-flush toilet to sewer connection ☐ Flush / pour-flush toilet to tank or pit ☐ Pit latrine with slab ☐ Pit latrine without slab/ or with open pit 	
4.	How many staff toilets are at the facility?	Male:	
5.	Do any of the toilets provide appropriate facilities for menstrual hygiene management? (Hint: A toilet can be considered to have menstrual hygiene facilities if it has a bin with a lid on it for disposal of used menstrual hygiene products or Other (s) appropriate disposal facility in private, and water and soap available in a private space for washing)	O Yes, provided O No	



Qs no.	Questions and Filter	Response	Skip
6.	Does the facility have adequate and separate sanitary facilities for patients and carers?	O Yes O No	
7.	Does the facility have designated toilets for?	Maternity OPD IPD Male Female	
8.	Does the health facility keep visible and signed records for cleaning the toilets?	O Yes O No	
9.	How many toilets are available for people with limited mobility?	Maternity OPD IPD Male — — — Female — — — If yes, conduct an accessibility audit using a wheel chair	
10.	Do these toilets have the following? (Tick all applicable)	☐ Grab rail ☐ Hanger ☐ Guide rails ☐ Non-slippery floor ☐ Minimum door size of 825mm ☐ Space enough for two (02) people	
11.	How far is the toilet block from the main patient area or wards?	Metres:	
12.	What functional facilities are in the maternity ward?	Yes No Sluice room □ □ Shower room □ □ Washing trough □ □ Internal toilets □ □ Waiting room □ □ Hand washing basin(s) □ □	
13.	Does the inpatient facility have showers/bathing facilities?	O Yes O No	
14.	Does the maternity Unit have showers/bathing facilities?	O Yes O No	

Qs no.	Questions and Filter	Response	Skip
15	Does the shower/ bathing facility have the following? (Tick all applicable)	☐ Grab rail ☐ Soap holder ☐ Towel holder ☐ Hanger ☐ Guide rails ☐ Non-slippery floor ☐ Minimum door size of 825mm ☐ Space enough for two (02) people	

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Section E: Hygiene

Qs no.	Questions and Filter	Response	Skip
1.	Are there hand washing facilities at points of care?	 Yes: at all points of care Yes: at some points of care Yes: there are hand washing facilities at points of care but not functional or lacking soap and water or alcohol-based hand rub. No: no hand washing facilities at the health care facility 	
2.	Is there a functional hand washing facility at every toilet on the day of the survey? (Hand washing facilities at toilets must include water and soap, rather than ABHR alone, since ABHR does not remove faecal matter).	 ☐ Yes: ☐ No: there are hand washing facilities near the toilets but lacking soap and/or water ☐ No: no hand washing facilities near toilets (within 5m) 	
3.	Are hand washing facilities available in healthcare waste handling areas?	O Yes O No	If No skip to E5
4.	Are the hand washing facilities functional in healthcare waste handling areas?	O Yes O No	
5.	Are Hand hygiene promotion IEC materials available, clearly visible and understandable at key places?	Availability Yes No Visibly clear Yes No Understandable Yes No	If No skip to section F
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Section F: Environmental Hygiene

Qs no.	Questions and Filter	Response	Skip
1.	Is the surrounding of the facility kept generally clean? (Free from solid waste, stagnant water, no animal and human faeces within the facility premises, etc.)?	O Yes O No	
2.	Are floors brought to a smooth finish or screed and easy to clean?	Smooth Yes No Screed and easy to clean Yes No	
3.	Do floors and horizontal work surfaces appear clean on the day of survey?	O Yes O No	
4.	Are appropriate supplies available for the cleaning, disinfection and sterilization of medical equipment?	Cleaning Yes No Disinfection Yes No Sterilization Yes No	
5.	Are there appropriate and well-maintained cleaning materials? (appropriate according to the cleaning and disinfection protocols)	Appropriate Yes No Well maintained Yes No	
6.	Is there a designated area for storage of cleaning materials and are the cleaning materials stored properly?	 Yes: designated area available and materials stored properly Yes: designated area available but materials not stored properly No: 	
7.	Are cleaning protocols available?	O Yes O No	



Qs no.	Questions and Filter	Response	Skip
8.	Are there visual or written aids visible to remind staff of correct procedures for cleaning and disinfection?	O Yes O No	
9.	Can at least one member of staff demonstrate the correct procedures for cleaning and disinfection and apply them as required to maintain clean and safe rooms?	O Yes O No	
10.	Are all staff (medical and non-medical) oriented in infection prevention and control?	O Yes O No	
11.	Is there a schedule for the cleaning of rooms?	O Yes O No	
12.	Are all cleaning staff aware and informed about the cleaning schedule/plans?	O Yes O No	
13.	Are there laundry facilities in appropriate locations?	O Yes O No	
14.	Are the laundry facilities functional with adequate water supply?	O Yes O No	
15.	Do cleaning and laundry staff have adequate Personal Protective Equipment? (PPE –work suit, gum boots, safety boots, utility gloves, industrial gloves, hard hat, respirators, face masks, face shields,	O Yes O No	
	apron, face goggles etc)		

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Section G: HealthCare Waste Management

Qs no.	Questions and Filter	Response	Skip
1.	Is waste correctly segregated into at least three labelled bins at the point of generation/ source (i.e. consultation rooms, treatment rooms, maternity ward and any other). NOTE: For facilities with multiple consultation rooms, select one at random and observe whether sharps, infectious waste (yellow); general waste (black) and; pharmaceutical, Laboratory, photographical chemical (brown) are segregated into three different bins?	 Yes: waste is segregated into three labelled or colour coded bins. No: bins are present, but they do not meet all requirements or waste is not correctly segregated. No: bins are not present Other(s) Specify 	
2.	How does this facility usually treat/dispose of infectious waste?	 □ Autoclaved and shredded □ Autoclaved □ Incinerated (two chamber, 850- 1000°C incinerator) □ Incinerated above 1200 °C □ Burning in a protected pit □ Not treated, but buried in lined, protected pit □ Not treated, but collected for medical waste disposal off-site □ Open dumping without treatment □ Open burning □ Not treated and added to general waste □ Other(s) Specify 	
3.	How does this facility usually treat/dispose of sharps?	 □ Autoclaved and shredded □ Autoclaved □ Incinerated (Micro-burn) □ Incinerated (Brick-burn) □ Burning in a protected pit □ Not treated, but buried in lined, protected pit □ Not treated, but collected for medical waste disposal off-site □ Open dumping without treatment □ Open burning □ Not treated and added to general waste □ Other(s) Specify 	



Qs no.	Questions and Filter	Response	Skip
4. (Observation)	Randomly check if the general and infectious waste are collected at least once a day and sharps' container when 3/4 filled?	O Yes O No	
5.	Is infectious waste collected and transported on appropriate trollies separately from Other (s) waste to the designated storage areas, which are inaccessible to the public and animals?	Appropriately O Yes O No Separately O Yes O No Inaccessible O Yes O No	
6.	Are waste management protocols available?	O Yes O No	
7.	Have all staff responsible for waste management received training?	O Yes O No	

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