

# WASH & EH INDICATORS

May 2025, Adama-  
Ethiopia



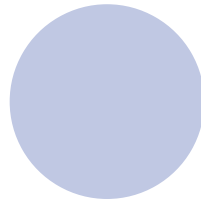
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MINISTRY OF HEALTH - ETHIOPIA

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HEALTHIER CITIZEN FOR PROSPEROUS NATION!

# Outline:



**Revised HMS-Indicators**



**WASH & EH indicator**



**Data elements**

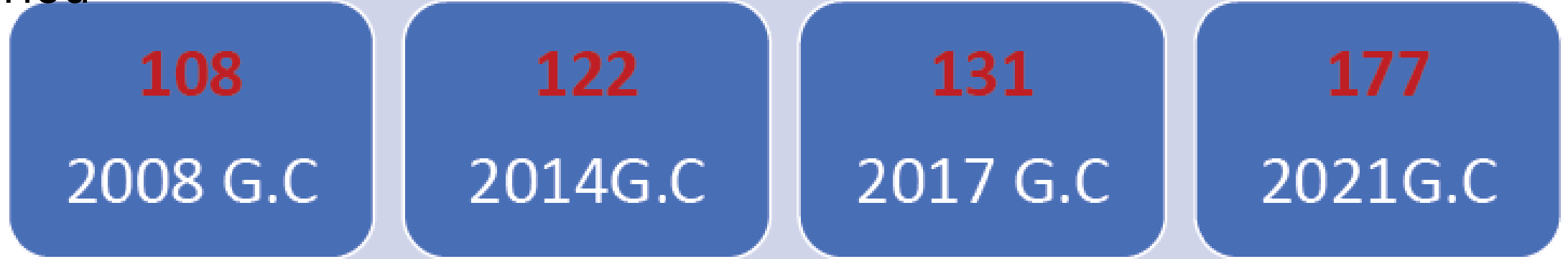


**Reporting Format**



# ETH-HMIS indicators History

Four revisions were conducted since 2006, as below figure shows the number of HMIS indicators selected during each of the revision period



# HMIS-Indicators:

- **177** indicators under 14 programmatic areas categorized (51, 45+10,...2)
- Each of the indicators are presented with:
  - 👉 Short names,
  - 👉 Codes,
  - 👉 Definitions,
  - 👉 Formula,
  - 👉 Interpretations with limitations, disaggregation, source, reporting level & frequency

1. **HEH\_HHLW:** Proportion of HHs with liquid waste management.
2. HEH\_HHSW: Proportion of HHs with safe solid waste management
3. HEH\_HHSF: Proportion of households having sanitation facilities
4. HEH\_HHHWF: Proportion of households having hand washing facilities at the premises
5. HEH\_HHHH: Proportion of households with healthy housing
6. HEH\_ODF: Proportion of kebeles declared ODF
7. HEH\_WSTST: Proportion of water schemes for which water quality test conducted
8. HEH\_HFWATER: Proportion of health facility with water
9. HEH\_HFSAN: Proportion of health facility with sanitation facilities
10. HEH\_HFWASTE: Proportion of health facilities with healthcare waste management services

# 1- Proportion of HHs with Liquid Waste management

## Definition

**Proportion of HH having safe liquid waste disposal site**

## Formula

$$\frac{\text{Number of households having liquid waste disposal site}}{\text{Total number of households}} \times 100$$

## Interpretation

Liquid wastes at household level should be managed by preparing seepage pit, septic tanks, connected to sewer lines and latrines  
Its measures the status of liquid waste management among households

## Dis-aggregation

None

## Source

Hygiene & Sanitation card (FF)/eCHIS

## Reporting Level

Heath Post



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MINISTRY OF HEALTH

Reporting

Quarterly

## 2- Proportion of HHs with safe SW management

### Definition

**Proportion of HH having safe solid waste disposal site**

### Formula

$$\frac{\text{Number of households having solid waste disposal site}}{\text{Total number of households}} \times 100$$

*Total number of households*

### Interpretation

Availability of solid waste management system at household level. Safe solid waste disposal at HH level includes burial, composting, providing household wastes to authorized collectors, disposing in municipal containers by household

### Dis-aggregation

None

### Source

Hygiene & Sanitation card (FF)/eCHIS

# 3- Proportion of HHs having Sanitation Facilities

## Definition

Proportion of HHs having sanitation facilities disaggregated by basic, limited and unimproved facilities

## Formula

$$\frac{\text{Number of households having sanitation facilities}}{\text{Total number of households}} \times 100$$

## Interpretation

Basic sanitation Facilities, Limited sanitation Facilities, Unimproved sanitation Facilities, No sanitation facility,

## Dis-aggregation

Basic, limited, unimproved Sanitation Facilities, No facility

## Source

Hygiene & Sanitation card (FF)/eCHIS

## Reporting Level

Heath Post

## Reporting Frequency

Quarterly



# 4- Proportion of HHs having HWF at the premises

## Definition

Proportion of HHs having Hand Washing Facilities at the premises disaggregated by basic & limited hand washing facilities

## Formula

Number of Households having hand washing facilities at the premises

$\times 100$

Total number of households

## Interpretation

Measures Proportion of households having hand washing facilities at the premises disaggregated by **Basic, Limited or No** hand washing facilities  
Hand washing facility,

## Dis-aggregation

Basic, limited, No facility

## Source

Hygiene & Sanitation card (FF)/eCHIS

# 5- Proportion of HHs with Healthy Housing

## Definition

**Proportion of households with healthy housing disaggregated by separate animal house, smokeless stove and separate Kitchen**

## Formula

$$\frac{\text{Number of households with healthy housing}}{\text{Total number of households}} \times 100$$

## Interpretation

For the house to be Healthy, it should fulfill at least Separate kitchen, Smokeless stove and separate animal house. Healthy housing can be disaggregated as, a house with Separate kitchen, Smokeless stove, separate animal house

## Dis-aggregation

Separate kitchen, Smokeless stove, separate animal house

## Source

Hygiene & Sanitation card (FF)/eCHIS

# 6- Proportion of Kebeles Declared ODF

## Definition

**Proportion of kebeles declared ODF registered as new and existing among total number of kebeles**

## Formula

*Number of kebeles that have been declared open defecation free*  
*[Existing + New - Slippage]*

*x10*  
*0*

*Total number of kebeles*

## Interpretation

Measures the number of Kebeles which have declared open defecation free and verified and certified by Woreda ODF verification

## Dis-aggregation

Existing, New

## Source

Hygiene & Sanitation card (FF)/eCHIS

## Reporting Level

Heath Post

## Reporting Frequency

**Quarterly**

# 7- Proportion of Water Scheme for WQT conducted

## Definition

Proportion of water schemes for which water quality test conducted

## Formula

$$\frac{\text{Number of water schemes tested for water quality}}{\text{Total number of water schemes}} \times 100$$

## Interpretation

Water quality test includes test of drinking water sources for **physical, microbiological, chemical** parameters which is conducted by woreda health Office. Should be conducted biannually in regular basis and occasionally based on rumors suspicion of contaminated

## Dis-aggregation

Total water quality test, Positive for Microbiological test

## Source

Admin record

# 8- Proportion of HF with Water Service

## Definition

**Proportion of HF with water service disaggregated by basic, limited & No services**

## Formula

*Number of health facilities with water service*  $\times 100$   
*Total number of Health facilities*

## Interpretation

Basic water service: water source should be within the premises of the health facility from Imp.Sour.

Limited water services: water source is not in the HF but is within 500m from the HF from Imp.Sour.

No water services : from unimproved/improved source more than 500 meters from the premises

## Dis-aggregation

Basic, limited or No Service

## Source

Admin

# 9- Proportion of HF with Sanitation Facilities

## Definition

Proportion of HF with sanitation facilities disaggregated by basic, limited & No sanitation service

## Formula

$$\frac{\text{Number of health facility with sanitation facilities}}{\text{Total number of Health facilities}} \times 100$$

Total number of Health facilities

Basic sanitation service: (with at least one toilet dedicated staff, MHM facility, and inclusive)

## Interpretation

Limited sanitation services: but not all requirements for basic service are met.

No sanitation services: Toilet facilities are unimproved or there are no toilets.

## Dis-aggregation

Basic, limited or No sanitation Service

## Source

Admin

WASH & EH Indicators

Jun 24, 2026

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# 10- Proportion of HF with HCW management services

## Definition

**Proportion of health facilities with healthcare waste management services**

## Formula

Number of health facilities with healthcare waste management services

$\times 100$

Total number of Health facilities

## Interpretation

Basic waste management service: *Waste is safely segregated into at least three categories*

Limited waste management services: *not all requirements for basic service are met.*

No waste management services: *no separate bins for sharps or infectious waste, not treated*

## Dis-aggregation

Basic, limited or No Service

## Source

Admin

| S.No | Data element                                                                                                             | Primary Data Source                   |
|------|--------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
|      | <b>HEHD</b>                                                                                                              |                                       |
| 1    | No. of Households with Liquid waste management                                                                           | Hygiene & Sanitation Card (HP)        |
| 2    | No. of Households with Solid waste management                                                                            |                                       |
| 3    | No. of Households having sanitation facilities (basic, limited and unimproved)                                           |                                       |
| 4    | No. of Households having hand washing facilities (basic, limited)                                                        |                                       |
| 5    | No. of Households practicing proper food hygiene                                                                         |                                       |
| 6    | No. of Households with healthy housing (separate animal house, smokeless stove and separate Kitchen)                     |                                       |
| 7    | No. of Households treated water before use (Types of methods used)                                                       |                                       |
| 8    | Total No. of Households in the kebele                                                                                    | Demographic Profile                   |
| 9    | No. of kebeles that have been declared open defecation free                                                              | Admin record                          |
| 10   | No. of Water schemes tested for water quality (Total tested, positive result)                                            | Hygiene and Sanitation recording form |
| 11   | Total number of Water schemes in the Woreda                                                                              |                                       |
| 12   | No. of health facilities with basic healthcare waste management services (basic, limited & no waste management services) |                                       |
| 13   | No. of health care facilities with basic water services                                                                  |                                       |
| 14   | No. of health facilities with sanitation facilities (Basic, limited, No service)                                         |                                       |



# Hygiene and sanitation revised card

| Items                                                                                |                            | Ethiopian Fiscal Year |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
|--------------------------------------------------------------------------------------|----------------------------|-----------------------|--------|--------|--------|-------------|--------|--------|--------|-------------|--------|--------|--------|-------------|--------|----|--------|-------------|--------|--------|--------|
|                                                                                      |                            | Year: _____           |        |        |        | Year: _____ |        |        |        | Year: _____ |        |        |        | Year: _____ |        |    |        | Year: _____ |        |        |        |
|                                                                                      |                            | Q<br>1                | Q<br>2 | Q<br>3 | Q<br>4 | Q<br>1      | Q<br>2 | Q<br>3 | Q<br>4 | Q<br>1      | Q<br>2 | Q<br>3 | Q<br>4 | Q<br>1      | Q<br>2 | Q3 | Q<br>4 | Q<br>1      | Q<br>2 | Q<br>3 | Q<br>4 |
| Sanitation<br>Facilities                                                             | Availability (Y/N)         |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
|                                                                                      | Type (B/L/UI**)            |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
|                                                                                      | proper use of latrine(Y/N) |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Hand washing facility                                                                | Availability (Y/N)         |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
|                                                                                      | Type (B/L**)               |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Food Hygiene                                                                         | (Y/N)                      |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Water treated before use (Y/N)                                                       |                            |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Types of treatment method used (F/B/Ch/SD)                                           |                            |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Source of drinking water**                                                           |                            |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |
| Storing treated water with narrow necked containers/ separate clean dipping up (Y/N) |                            |                       |        |        |        |             |        |        |        |             |        |        |        |             |        |    |        |             |        |        |        |

F— Filtration B-Boiling, Ch---chemical used SD— Solar Disinfection



| S.No     | Activity                                                                | Tally & Count |  | Count |
|----------|-------------------------------------------------------------------------|---------------|--|-------|
| CI.4     | Hygiene and Environmental Health                                        |               |  |       |
|          | Total number of households within the catchment                         |               |  |       |
|          | Proportion of HHs with liquid waste management                          |               |  |       |
|          | Number of Households with Liquid waste management area                  |               |  |       |
|          | Proportion of HHs with safe solid waste management                      |               |  |       |
|          | Number of Households with safe Solid waste management                   |               |  |       |
|          | Proportion of households' with sanitation facilities                    |               |  |       |
|          | Number of HHs with basic sanitation facility                            |               |  |       |
|          | Number of HHs with Limited sanitation facility                          |               |  |       |
|          | Number of HHs with unimproved sanitation facility                       |               |  |       |
|          | Proportion of households having hand washing facilities at the premises |               |  |       |
|          | No. of Households with basic hand washing Facility                      |               |  |       |
|          | No. of Households with limited hand washing Facility                    |               |  |       |
|          | proportion of households practicing proper food hygiene                 |               |  |       |
|          | No. of Households practicing proper food hygiene                        |               |  |       |
|          | proportion of households with healthy housing                           |               |  |       |
|          | No. of Households with separate animal house                            |               |  |       |
|          | No. of Households with separate Kitchen                                 |               |  |       |
|          | No. of Households with smokeless stove                                  |               |  |       |
|          | Proportion of households treating water before use                      |               |  |       |
|          | No. of Households treated water using Filtration                        |               |  |       |
|          | No. of Households treated water by boiling                              |               |  |       |
| 1.4.2.1. | No. of Households treated water using chemicals                         |               |  |       |
| 1.4.2.1. | No. of Households treated water using solar disinfection                |               |  |       |



# Health Post Quarterly Service Delivery Report Form

Woreda \_\_\_\_\_ PHCU Name \_\_\_\_\_ health post Name \_\_\_\_\_

Year \_\_\_\_\_ quarter \_\_\_\_\_

|                     |                                                                                |  |
|---------------------|--------------------------------------------------------------------------------|--|
| <b>HSEH</b>         | <b>Hygiene, sanitation and Environmental Health</b>                            |  |
|                     | Total number of households within the catchment                                |  |
|                     | <b>Proportion of HHs with liquid waste management</b>                          |  |
|                     | Number of Households with Liquid waste management area                         |  |
|                     | <b>Proportion of HHs with safe solid waste management</b>                      |  |
|                     | Number of Households with safe Solid waste management                          |  |
| <b>HSEH_ES_Alat</b> | <b>Proportion of households' with sanitation facilities</b>                    |  |
| ES_Ilat.1           | Number of HHs with basic sanitation facility                                   |  |
| ES_Ulat.1           | Number of HHs with Limited sanitation facility                                 |  |
| ES_Alat.1           | Number of HHs with unimproved sanitation facility                              |  |
|                     | <b>Proportion of households having hand washing facilities at the premises</b> |  |
|                     | No. of Households with basic hand washing Facility                             |  |
|                     | No. of Households with limited hand washing Facility                           |  |
|                     | <b>proportion of households practicing proper food hygiene</b>                 |  |
|                     | No. of Households practicing proper food hygiene                               |  |
|                     | <b>proportion of households with healthy housing</b>                           |  |
|                     | No. of Households with separate animal house                                   |  |
|                     | No. of Households with separate Kitchen                                        |  |
|                     | No. of Households with smokeless stove                                         |  |
|                     | <b>Proportion of households treating water before use</b>                      |  |
|                     | No. of Households treated water using Filtration                               |  |
|                     | No. of Households treated water by boiling                                     |  |
|                     | No. of Households treated water using chemicals                                |  |
|                     | No. of Households treated water using solar disinfection                       |  |



# Woreda level data recording tools

Ministry of Health

Health Office/Zonal Health department Hygiene & Environmental Health program F

Name of Woreda \_\_\_\_\_ Zone \_\_\_\_\_ Quarter \_\_\_\_\_ Year \_\_\_\_\_

| Service Types                | Name of Health Facility          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    | Remarks |
|------------------------------|----------------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---------|
|                              | Description                      | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 | Q1 | Q2 | Q3 | Q4 |         |
| Inspection Date (DD/MM/YY)   |                                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              |                                  |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| Water service                | Basic                            |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | Limited                          |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | No service                       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| Sanitation facilities        | Basic Basic sanitation service   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | Limited sanitation service       |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | No service sanitation service    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| Health care Waste management | Basic waste management service   |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | Limited waste management service |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | No waste management service      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | Segregation                      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
| Waste treatment Facilities   | Incinerator                      |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | Controlled waste disposal pit    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |
|                              | open burning                     |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |    |         |



# Woreda level water quality data recording tools

Ministry of Health

**Woreda Health Office/Zonal Health department Hygiene & Environmental Health program Register**

Name of Woreda \_\_\_\_\_ Zone \_\_\_\_\_ Year \_\_\_\_\_

[illegible]

# Woreda report format

Woreda quarterly report format

Woreda Name \_\_\_\_\_ Zone \_\_\_\_\_ Region \_\_\_\_\_

Month \_\_\_\_\_ year \_\_\_\_\_

| Hygien and Environmental Health                                                           |      |  |  |
|-------------------------------------------------------------------------------------------|------|--|--|
| <b>Proportion of health facilities with healthcare waste management services</b>          |      |  |  |
| No. of health facilities with basic healthcare waste management services (HP, HC, Hosp)   |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| No. of health facilities with limited healthcare waste management services (HP, HC, Hosp) |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| No. of health facilities with no healthcare waste management services (HP, HC, Hosp)      |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| <b>Proportion of health facility with water service</b>                                   |      |  |  |
| No. of health care facilities with basic water services (HP, HC, Hosp)                    |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| No. of health care facilities with limited water services (HP, HC, Hosp)                  |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| No. of health care facilities with no water services (HP, HC, Hosp)                       |      |  |  |
|                                                                                           | HP   |  |  |
|                                                                                           | HC   |  |  |
|                                                                                           | Hosp |  |  |
| <b>Proportion of health facility with sanitation facilities</b>                           |      |  |  |

|                                                                            |      |  |  |
|----------------------------------------------------------------------------|------|--|--|
| No. of health facilities with basic sanitation facilities (HP, HC, Hosp)   |      |  |  |
|                                                                            | HP   |  |  |
|                                                                            | HC   |  |  |
|                                                                            | Hosp |  |  |
| No. of health facilities with limited sanitation facilities (HP, HC, Hosp) |      |  |  |
|                                                                            | HP   |  |  |
|                                                                            | HC   |  |  |
|                                                                            | Hosp |  |  |
| No. of health facilities with no sanitation facilities (HP, HC, Hosp)      |      |  |  |
|                                                                            | HP   |  |  |
|                                                                            | HC   |  |  |
|                                                                            | Hosp |  |  |
| <b>proportion of water schemes for which water quality test conducted</b>  |      |  |  |
| No. of Water schemes tested for water quality                              |      |  |  |
| No. of Water schemes with positive result for microbiological test         |      |  |  |
| Total number of Water schemes in the Woreda                                |      |  |  |



# Revised HMIS Indicators 2021

- [Indicator reference Oct 20\\_2021.pdf](#)



# 11. Proportion of households treating water before use

- **Definition:-** proportion of households treating water before use disaggregation by type of water treatment option (Boiling, using chemicals, Filtration, SODIS )
- **Formula:-** Number of Households treating water before use/total number of Households
- **Interpretation:-** Households treatment before use includes boiling, treating bleach/chlorine, Strained through clot, using ceramic, sand, or other filter, solar disinfecting
- **Data source:-** Hygiene & Sanitation card (FF)/eCHIS; Quarterly



## 12. proportion of households practicing proper food hygiene

- **Definition:-** proportion of households practicing proper food hygiene
- **Formula:-**  $\frac{\text{Number of households practicing proper food hygiene}}{\text{Total number of Households}}$
- **Interpretation:-** proper food hygiene practices includes proper storage of food before use, washing one's hands before handling food, maintaining a clean environment when preparing food and all serving dishes and utensils are clean.
- **Data source:-** Hygiene & Sanitation card (FF)/eCHIS, HP quarterly



# THANK YOU

