

STANDARD SECTOR INDICATOR CODE: HE-046	Trained Water and Sanitation Committees in Water and Sanitation Systems: Number of water and sanitation committees trained on improved water and sanitation systems.	
HEALTH SECTOR	Sector Schematic Alignment <ul style="list-style-type: none"> • Project Area: Environmental Health • Project Activity Area/Training Package: WASH: Water, Sanitation, and Hygiene 	
Type: Output	Unit of Measure: Water and Sanitation Committees	Disaggregation: None

To be counted for this indicator the following criteria must be met:

- The members of the water and sanitation committee must have participated in a formal training on the management of the community water and sanitation system.
- The training must cover all functions in the Water System Management Matrix and must have been provided by the PCV or their partner in an individual or small group setting. Research shows ideal group size is 25 individuals or less, although in some instances group size can be significantly larger. PC/Post staff determines what comprises a small group setting.
- Attendance at educational session/s must be documented by the Volunteer or their partner

Definitions:

Community Water and Sanitation Committee - is defined as a management committee that oversees community water and sanitation services. The committee must: meet regularly, have written rules and regulations, processes for communication and a policy in place for decision making. There should be assigned roles and responsibilities, a book keeping system and a structure to fund the water and sanitation system.

Water System Management Matrix: A survey tool that assesses 10 attributes of the water and sanitation system’s operations and maintenance, and 12 attributes of the water and sanitation systems management. The Matrix can be found in the WASH Training Package, as Handout 2 in Operation, Maintenance, and Administration of Community or School Water Systems or Programs Session.

Improved water and sanitation – is defined as to make the system more useful or enhance its quality. Improving a water system may include upgrading: transmission pipes and connections or equipment such as pumps; source of water (rainwater collection, boreholes, and protected wells); storage tanks; distribution system or reliability of the system. Improvement in the sanitation system includes connections to sewers and septic systems, and pour-flush and improved pit latrines. A system may be improved but it does not mean there is access to clean water and sanitation services. See details below:

“Improved” sources of drinking water include:

- Piped water into dwelling, also called a household connection, is defined as a water service pipe connected with in-house plumbing to one or more taps (e.g. in the kitchen and bathroom).
- Piped water to yard/plot, also called a yard connection, is defined as a piped water connection to a tap placed in the yard or plot outside the house.
- Public tap or standpipe is a public water point from which people can collect water. A standpipe is also known as a public fountain or public tap. Public standpipes can have one or more taps and are typically made of brickwork, masonry or concrete.
- Tubewell or borehole is a deep hole that has been driven, bored or drilled, with the purpose of reaching groundwater supplies. Boreholes/tubewells are constructed with casing, or pipes, which prevent the small diameter

hole from caving in and protects the water source from infiltration by run-off water. Water is delivered from a tubewell or borehole through a pump, which may be powered by human, animal, wind, electric, diesel or solar means. Boreholes/tubewells are usually protected by a platform around the well, which leads spilled water away from the borehole and prevents infiltration of run-off water at the well head.

- Protected dug well is a dug well that is protected from runoff water by a well lining or casing that is raised above ground level and a platform that diverts spilled water away from the well. A protected dug well is also covered, so that bird droppings and animals cannot fall into the well.
- Protected spring. The spring is typically protected from runoff, bird droppings and animals by a "spring box", which is constructed of brick, masonry, or concrete and is built around the spring so that water flows directly out of the box into a pipe or cistern, without being exposed to outside pollution.
- Rainwater refers to rain that is collected or harvested from surfaces (by roof or ground catchment) and stored in a container, tank or cistern until used.

"Unimproved" sources of drinking-water include:

- Unprotected spring. This is a spring that is subject to runoff, bird droppings, or the entry of animals. Unprotected springs typically do not have a "spring box".
- Unprotected dug well. This is a dug well for which one of the following conditions is true: 1) the well is not protected from runoff water; or 2) the well is not protected from bird droppings and animals. If at least one of these conditions is true, the well is unprotected.
- Cart with small tank/drum. This refers to water sold by a provider who transports water into a community. The types of transportation used include donkey carts, motorized vehicles and other means.
- Tanker-truck. The water is trucked into a community and sold from the water truck.
- Surface water is water located above ground and includes rivers, dams, lakes, ponds, streams, canals, and irrigation channels.
- Bottled water is considered to be improved only when the household uses drinking-water from an improved source for cooking and personal hygiene; where this information is not available, bottled water is classified on a case-by-case basis.

"Improved" sanitation includes:

- Flush toilet uses a cistern or holding tank for flushing water, and a water seal (which is a U-shaped pipe below the seat or squatting pan) that prevents the passage of flies and odors. A pour flush toilet uses a water seal, but unlike a flush toilet, a pour flush toilet uses water poured by hand for flushing (no cistern is used).
- Piped sewer system is a system of sewer pipes, also called sewerage, that is designed to collect human excreta (feces and urine) and wastewater and remove them from the household environment. Sewerage systems consist of facilities for collection, pumping, treating and disposing of human excreta and wastewater.
- Septic tank is an excreta collection device consisting of a water-tight settling tank, which is normally located underground, away from the house or toilet. The treated effluent of a septic tank usually seeps into the ground through a leaching pit. It can also be discharged into a sewerage system.
- Flush/pour flush to pit latrine refers to a system that flushes excreta to a hole in the ground or leaching pit (protected, covered).
- Ventilated improved pit latrine (VIP) is a dry pit latrine ventilated by a pipe that extends above the latrine roof. The open end of the vent pipe is covered with gauze mesh or fly-proof netting and the inside of the superstructure is kept dark.
- Pit latrine with slab is a dry pit latrine that uses a hole in the ground to collect the excreta and a squatting slab or platform that is firmly supported on all sides, easy to clean and raised above the surrounding ground level to prevent surface water from entering the pit. The platform has a squatting hole, or is fitted with a seat.
- Composting toilet is a dry toilet into which carbon-rich material (vegetable wastes, straw, grass, sawdust, ash) are

added to the excreta and special conditions maintained to produce inoffensive compost. A composting latrine may or may not have a urine separation device.

"Unimproved" sanitation includes:

- Flush/pour flush refers to excreta being deposited in or nearby the household environment (not into a pit, septic tank, or sewer). Excreta may be flushed to the street, yard/plot, open sewer, a ditch, a drainage way or other location.
- Pit latrine without slab uses a hole in the ground for excreta collection and does not have a squatting slab, platform or seat. An open pit is a rudimentary hole.
- Bucket refers to the use of a bucket or other container for the retention of feces (and sometimes urine and anal cleaning material), which are periodically removed for treatment, disposal, or use as fertilizer.
- Hanging toilet or hanging latrine is a toilet built over the sea, a river, or other body of water, into which excreta drops directly.
- No facilities include defecation in the bush, field or ditch; excreta deposited on the ground and covered with a layer of earth (cat method); excreta wrapped and thrown into garbage; and defecation into surface water (drainage channel, beach, river, stream or sea).

Rationale: Community-level management of water and sanitation systems is needed to ensure the provision of a safe and reliable water supply and accessibility to appropriate sanitation facilities. Unsafe drinking water along with poor sanitation and hygiene are the main contributors to an estimated 4 billion cases of diarrheal disease each year and cause more than 1.5 million deaths annually, mostly among children under 5 years of age. Proper management of water systems will help make sure that people have water available to them that meets the minimum standards established for drinking water. Improving sanitation systems will help bolster the health of people as well as ensure a clean environment.

Measurement Notes:

1. **Sample Tools and/or Possible Methods:** Volunteers should use data collection tools to measure progress against project indicators. For this Standard Sector Indicator, a tracking sheet that collects the name of the water committee, including the names and sex of participants, trained on improved water and sanitation systems will capture the needed data.
2. **General Data Collection for Volunteer Activities:** All Volunteer activities should be conducted with the intention of achieving outcomes – knowledge change (short-term), skills demonstration (intermediate-term), and behavioral changes (intermediate to long term) as defined by the progression of indicators within the objectives of a project framework. The progression of measurement for all Volunteer activities should begin with baseline data being conducted prior to the implementation of an activity (or set of activities), followed by documenting any outputs of the activities and then later at the appropriate time, measurements of specific outcomes (see the bullet on frequency of measurement).
3. **Activity-Level Baseline Data Collection:** Because this is an output indicator that does not measure any change, there is no need to take a baseline measurement before reporting the results of this indicator. However, Volunteers should take baseline measurements for any outcome indicators that are related to this output indicator. Refer to the project framework to review related outcome indicators.
4. **Frequency of measurement:** An output indicator only needs to be measured once—in this case, every time the Volunteer holds a training event (or series of events) improved water and sanitation systems, he/she will want to keep track of the number of unique water committees and their members who participated in the event(s) and report on it in the next VRF.

5. **Definition of change:** Outputs do not measure any changes. However, if desired, a minimum expectation can be set for meeting the output, which can be particularly useful in the area of training. For instance, a Peace Corps project may decide that for any training participant to be counted as having been sufficiently trained in a certain area, he/she needs to attend at least “X% of the training” or “X number of days of the training.” If a specific requirement is not set forth here in the indicator data sheet, it is up to project staff to determine what minimum criteria they want to set (if at all).
6. **Reporting:** In the case of output indicators, Volunteers only have one box to fill in on their VRF: “total # (number).”

Data Quality Assessments (DQA): DQA are needed for each indicator selected to align with the project objectives. DQAs review the validity, integrity, precision, reliability, and timeliness of each indicator. For more information, consult the Peace Corps MRE Toolkit.

Alignment with Summary Indicator: No link