

charity: water MAP Framework Overview

Introduction

Through the charity: water monitoring and evaluation framework – called the MAP Framework – implementing partners collect data across a wide range of water, sanitation, and hygiene (WASH) indicators in line with sector standards.

Aims of the MAP Framework

Broadly speaking, the aims of the charity: water MAP Framework are to:

- **Understand Impact.** With quantitative information about WASH programs, charity: water can share this both internally, and externally for fundraising purposes.
- **Maximize Effectiveness.** With quantitative information about implementing partners' strengths and weaknesses, charity: water can support partners to target areas for improvement in programming, and share lessons of success between partners.
- **Guide Priorities.** With quantitative information about a variety of global programs, charity: water can make informed decisions about what to fund in the future, both with current and new implementing partners.

Questions the MAP Framework aims to answer

Data collection has been designed to answer three main questions about charity: water funded programs:

1. **What are the immediate improvements?**
Do funded programs provide improvements for individuals in terms of: water access, water quality, use of sanitation facilities, knowledge of hygiene practice, and WASH management?
2. **Is there sustained access?**
Over time in funded areas, is there sustained use of water points, sustained water point functionality, sustained delivery of high quality water, and do individuals have continued use of sanitation facilities and access to materials to practice good hygiene?
3. **Why?**
What are some possible reasons that water points may be: non-functional, not used, or providing low quality water?

Data Collection Basics

charity: water's objective is to collect data on every grant we support, although every few years we will invest in a larger-scale effort to more closely evaluate work. The basics of the data collection are described below.

What kind of data is collected?

Quantitative data about WASH programs is collected through surveys and water quality testing. Indicators are measured in the themes of water access, water quality, sanitation, hygiene, and WASH management. Please see the list of charity: water indicators for more details.

How is data collected?

There are three distinct data collection types that comprise the charity: water MAP Framework:



Major Review: A comprehensive baseline and endline evaluation of charity: water grants. This occurs once, and consists of surveys and water quality testing. The Major Review aims to measure changes in indicators before and after grant implementation.






Annual Check-in: A simpler data collection at the endline of a charity: water grant. This occurs for grants not undergoing a Major Review or PIM evaluation. This consists of household surveys done after grant completion.






Post-Implementation Monitoring (PIM): A comprehensive assessment of past charity: water funded work. This occurs once every three years. Data is collected at a representative sample of past projects to monitor sustainability.

These data collection types are summarized in the table below.

Data collection type	How often data is collected	Surveys conducted	Water quality testing conducted
 Major Review	Once, typically in a partner's second charity: water grant	Surveys at communities, water points, households	Testing at water points and households
 Annual Check-in	All grants not undergoing a Major Review or PIM data collection	Surveys at households only	No testing
 Post Implementation Monitoring	Once every three years	Surveys at communities, water points, households, and schools	Testing at water points

How often is data collected?

A typical schedule for data collection for a partner working with charity: water over six years is listed below. charity: water will work closely with partners on a detailed personalized timeline. As such, some partners may have a modified schedule from what is detailed here, and partners that have already been onboarded to the MAP Framework should follow the plan that has been discussed with the M&E Manager and their Water Programs Manager.

	Grant 1	Grant 2	Grant 3	Grant 4	Grant 5	Grant 6
 Major Review	-	Endline for Grant 1 & Baseline for Grant 2	-	-	-	-
 Annual Check-in	-	-	Endline for Grant 2	Endline for Grant 3	-	Endline for Grant 5
 Post Implementation Monitoring	-	-	-	-	PIM for projects from Grants 1-3	-

Where is data collected?

Data is collected in a random sample of communities that are served by charity: water-funded projects. The sample size and surveys completed depends on the type of data collection.

- For the **Major Review**, data is typically collected in 30 communities for Baseline and 30 communities for Endline. Surveys are done at communities, water points, and households.
- For the **Annual Check-in**, data is collected in 20 communities – at households only.
- For **Post-Implementation Monitoring (PIM)**, a sample size (typically 80-100 communities), is calculated for each specific program. Data is collected at communities, water points, and households in these communities – plus 15 schools.

Within each community, surveys are conducted at the following three levels:

Survey	Quantity per community	Estimated survey length	Water quality testing
Community	One survey per community	10-30 min	None
Water point	Between one and five water points per community	15-30 min	<i>E. coli</i> testing
Household	Six households per community	15-45 min	<i>E. coli</i> testing ¹

¹ Household *E. coli* testing is conducted during Major Reviews only, not PIM

At schools, surveys are conducted at two levels: the school, and the water point at the school.

Survey	Quantity	Estimated survey length	Water quality testing
Schools	One survey per school	15-30 min	<i>E. coli</i> testing
Water point	One survey per school	15-30 min	<i>E. coli</i> testing

What water quality testing is done?

Water quality testing is performed by trained survey enumerators or water quality testers on site with standard portable field laboratory equipment. At water points and some households, samples are tested for *E. coli*, which is a fecal indicator bacteria. Field blank samples are also tested to ensure data quality. Partners may also take samples to laboratory for testing instead of doing the testing on site.

Water quality testing is not performed during the Annual Check-in.

Managing the MAP Framework

Who collects and manages the data?

The data collection team consists of at least four trained survey enumerators and one or two supervisors. This team is supported by charity: water and the implementing partner.

Enumerators collect survey data (survey responses and water quality test results) with mobile data collection software. The supervisors manage the enumerator team by ensuring they have proper equipment and assignments, observing enumerators, and holding refresher trainings as needed. Supervisors also notify communities of the monitoring visits. The supervisors or implementing partner M&E staff communicate with charity: water throughout data collection to troubleshoot any issues.

How long does data collection take?

It is estimated that one team of two enumerators can complete data collection – including water quality testing – in one community per day. charity: water estimates that data can be collected in the following times, although it will depend on the sample size, number of enumerators, distance between communities, and other factors.

- Major Review: 2-6 weeks
- Annual Check-in: 1-2 weeks
- Post-Implementation Monitoring: 4-8 weeks

What training and resources does charity: water provide?

Prior to the first MAP Framework data collection, charity: water provides a six day training for the data collection team. This includes training on conducting surveys, performing water quality tests, and managing the data collection process for enumerators and supervisors.

charity: water provides resources and support both before and throughout data collection to ensure data collection success. This includes surveys pre-programmed into mWater software, enumerator and supervisor reference guides, training presentations, and information about equipment ordering.

Can partners collect different indicators or ask different questions?

charity: water has carefully chosen its indicators, survey questions, and water quality test methods to align with data that is being collected by organizations throughout the WASH sector. As such, we expect many of our indicators align with those collected by other partners and funders. However, where differences exist, charity: water is willing to discuss these and work with partners to include their own questions in addition to the charity: water core questions.

Who has access to the information and what is the data used for?

Monitoring data belongs to both charity: water and the grantee partner organization. charity: water cleans and analyzes the data and shares detailed results with the partner organization. Partners may also analyze their own data, discuss learnings with charity: water, and propose evidence-based improvements into future grant proposals. For more detail, see the charity: water Water Programs Data Policy.