



UCSF Malaria Elimination Initiative (MEI)

# Monitoring and Evaluation of Malaria Service Delivery Improvements

# Purpose

## Why do we monitor?

- To see our progress in achieving an objective.

## Why do we evaluate?

- To see if we have made a difference!

# Baseline Data

- Why is collecting baseline data important?
- It allows you to compare performance from the beginning of a program.

# Types of Indicators

- Qualitative: descriptive
- Quantitative: numerical
- Process: # of meetings, people trained
- Outcome: % of health facilities reporting no stockouts of drugs, diagnostics
- Impact: annual malaria incidence

# Indicator Criteria

- Practical
- Independent
- Reliable
- Relevant
- Outcome oriented
- Linked to the strategic plan

# Refining Metrics

- The next slides are examples of indicators for specific challenges. The text in red are suggested edits to further refine these indicators to make them more specific and measure change over time.

# Challenge: Lack of training, information in case management and surveillance

| Indicator                                                                                             | Numerator                                                                                  | Denominator                                                                                                                          |
|-------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
| % of in-service trainings completed                                                                   | # of in-service trainings completed                                                        | # of total health facilities in district                                                                                             |
| % of supportive supervision visits conducted                                                          | # of supportive supervision visits conducted <b>where issues were resolved/TA provided</b> | # of total health facilities in district <b>that received a supportive supervision visit and had a clinical mentoring (CM) issue</b> |
| % of CHWs trained                                                                                     | # of CHWs trained                                                                          | # of total CHWs in district                                                                                                          |
| <b>% of Pharmacy Assistants (PAs) giving malaria stock level updates</b>                              | <b># of facilities w/ PAs giving weekly updates</b>                                        | <b># of total facilities in district</b>                                                                                             |
| <b>% of facilities with CM chart</b>                                                                  | <b># of facilities w/ CM chart</b>                                                         | <b># of total facilities in district</b>                                                                                             |
| % of patients with confirmed malaria who received appropriate tx according to the national guidelines | # of confirmed cases treated according to guidelines                                       | # of confirmed malaria cases treated                                                                                                 |

# Challenge:

## Lack of community engagement on malaria

| Indicator                                                                                                       | Numerator                                      | Denominator                                                                          |
|-----------------------------------------------------------------------------------------------------------------|------------------------------------------------|--------------------------------------------------------------------------------------|
| % of health facilities where health education conducted                                                         | # of hf where health education conducted       | # of total hf in district                                                            |
| % of people >12 who received health education<br>(replace with villages)                                        | # of individuals who received health education | # of total people targeted for IRS                                                   |
| % of community groups engaged in malaria awareness prior to IRS                                                 | # of groups engaged                            | # of total groups targeted (church , traditional leaders, councilors, schools, CHWs) |
| % of population protected by IRS in the last 12 months within areas targeted IRS ( operational coverage of IRS) | # of households sprayed                        | # of total households to be sprayed                                                  |

# Challenge:

## Shortage of transport for malaria activities

| Indicator                                                               | Numerator                                     | Denominator                                          |
|-------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------|
| % of vehicles allocated for IRS                                         | # of vehicles used for IRS                    | # of total vehicles available for malaria activities |
| % of structures that could be sprayed due to vehicle availability       | # of structures that were sprayed             | # of structures that were targeted for spraying      |
| % of ACD activities that could be completed due to vehicle availability | # of ACD activities completed                 | # of total ACD activities planned                    |
| % of vehicles available for malaria activities                          | # of vehicles available                       | # of total vehicles needed                           |
| % of stakeholders engaged who provided transportation support           | # of stakeholders who provided support        | # of total stakeholders approached                   |
| % of requests to region/ national level fulfilled                       | # of requests for transport support fulfilled | # of requests sent to region/national level          |

# Challenge:

## Late reporting and incomplete reports from facilities

| Indicator                                                          | Numerator                                                 | Denominator                                     |
|--------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------|
| % of cases notified within 24 hours via Rapid Notification System  | # of cases reported within 24 hours                       | # of total cases reported                       |
| % of expected health facility (hf) reports received <b>on time</b> | # of reports received on time                             | # of total hf reports received                  |
| % of facilities visited for troubleshooting                        | # of hf visited by surveillance officer                   | # of total hf requiring a visit                 |
| % of hf w/ functioning gadgets to report using DHIS2               | # of hf with functioning gadgets for reporting thru DHIS2 | # of total hf that should be reporting by DHIS2 |
| % of hf reporting CI thru DHIS2                                    | # of hf reporting CI thru DHIS2                           | # of total hf with functioning gadgets          |

# Challenge:

## Lack of stakeholder engagement

| Indicator                                                                   | Numerator                                | Denominator                                                             |
|-----------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------|
| % of meetings held with stakeholders                                        | # of meetings held                       | # of total meetings planned                                             |
| % of new stakeholders involved in malaria activities                        | # of new stakeholders involved           | # of total new stakeholders targeted                                    |
| % of new malaria activities incorporated into community/regional activities | # of new malaria activities incorporated | # of total malaria activities included in community/regional activities |

# Challenge:

## Lack of cross-border ACD activities

| Indicator                                                                       | Numerator                                               | Denominator                                             |
|---------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------------|
| % of malaria positive cases shared with cross-border counter parts (frequency?) | # of CI forms of imported cases shared                  | # of total imported cases collected                     |
| % of cases shared that were followed up                                         | # of reports with follow-up by cross-border counterpart | # of total reports received by cross-border counterpart |

The UCSF Malaria Elimination Initiative (MEI) accelerates progress towards malaria elimination in countries and regions that are paving the way for global malaria eradication.

[www.shrinkingthemalariamap.org](http://www.shrinkingthemalariamap.org)

UCSF  
Malaria Elimination Initiative (MEI)