

Early Infant Diagnosis (EID) and Viral Load (VL) Laboratory Information Management System (LIMS) Dashboard user guide.

EID/VL LIMS Dashboard is a central data repository for all Molecular labs in Malawi. Malawi has ten (10) molecular labs that perform EID & VL tests. The labs are located in the following hospitals; Nsanje district hospital, Thyolo district hospital, Queen Elizabeth Central Hospital, DREAM Lab Blantyre, Zomba Central hospital, DREAM Lab Balaka, Partners in Hope, Kamuzu Central Hospital, Mzimba District Hospital and Mzuzu central hospital.

Each of these labs has its own independent LIMS running at the lab level. The labs periodically push data to the central repository where it is aggregated and displayed on the dashboard. The dashboard shows data for both EID and VL. The two tests categories are shown differently on the system. Users can switch from EID to VL and visa verse depending on the preference.

Access to the dashboard is in two levels; public and privileged level. The public part of the dashboard is accessible to everyone by visiting www.eidmalawi.org . The privileged part is accessible using a given username and password. All requests for access to privileged part of the system must be sent to Ministry of Health particularly the Diagnostics department. The contact person is Mr. James Kandulu and his email address is jkandulu@gmail.com

The public part of the system displays the overall statistics for the EID/VL landscape in Malawi in terms of samples collected, tested and the reason for sample collection. The following are the most important key data variables to know

1. **Number of Received samples.** This is the total number of samples that have been successfully transported from health facilities, reached the 10 molecular labs, entered into LIMS and have successfully synched into the dashboard.
2. **No. of Rejected Samples:** This is the total number of samples that have been successfully transported from health facilities, reached the 10 molecular labs but have rejected due to a number of reasons.
3. **Total Tests done in the lab** [* Including Repeats]: This is the total numbers of tests that all labs have done in a given period. The number of tests done is not equal to the number of patients tested because a sample from one patient can be tested more than once. Usually, numbers of tests done are more than number of patients tested.
4. **No. of Tested Samples** [* may include samples received from previous months: This is number of samples that have been tested in the period in question. This number includes samples received in previous period.
5. **No of Positive:** Total number tests with positives results
6. **No. of Negative:** Total number tests with negative results
7. **No. of Indeterminate:** Total number of tests with results inconclusive results
8. **No. of Discordants:** Total number of tests with results that are not final
9. **No. of Repeats:** Total number of repeated tests

National Lab Turnaround Time Statistics

1. **Collection-Receipt:** Number of days taken from collection to receipt at the lab
2. **Receipt-Processing:** Number of days taken from receiving samples at the lab and entering them into LIMS
3. **Processing-Dispatch:** Number of days taken from entering into system to printing of results out of the system
4. **Receipt-Dispatch:** Number of days taken from receiving samples at the lab to printing of tests results
5. **Collection to Dispatch:** Number of days from sample collection at the facility to printing results from the system

Other general statistics

1. **Results by Age of Testing:** Number of test results shown by age range
2. **Reason For sample collection:** Percentage of tests aggregated by reason for testing