

Reporting Module

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Overview

The Reporting Module was designed to provide a feature-rich and user-friendly web interface for managing reports within OpenMRS. In addition, the Reporting Module provides a flexible and extensible API that module developers can develop against to build their own reports and tools. The core idea behind the Reporting Module is to provide a solid foundation so that other developers can use the framework to implement new features.

Download

- Download omod from module repo: <https://addons.openmrs.org/#/show/org.openmrs.module.reporting>
- View/download source code from github: <https://github.com/OpenMRS/openmrs-module-reporting>

Report Types

There are many different types of reports but these can be categorized into two main types.

Row-Per-Domain Object Reports

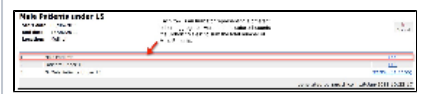
These reports export data in a multi-column format where each row represents the object and each column represents an attribute associated with the object. Currently, only Row-Per-Patient reports are natively supported but more objects (for example Row-Per-Encounter and Row-Per-Program) are in planning.

IMB ID	Birthdate	Birthplace	TUBERCULOSIS TREATMENT	OUTCOME
11003339	1-Jun-92			
00412019	1-Jan-04	UGANDA		
00410196	1-Jun-00	NYAMIRAMA		
22009385	1-Jan-05	NYAMIRAMA		
44003208	1-Jun-02			
00410190	1-Jun-99	NYAGASAMBU		
33003271	1-Jan-93			
00412049	1-Jan-01			
11003293	1-Jan-88			
00411160	1-Jan-46			
11003090	1-Jun-95			
00412023	1-Jan-00	MURAMA		
00412034	20-Nov-92			
11003355	1-Jan-04			
11003202	1-Jan-62			
11003036	1-Jan-03			
00412035	1-Jan-02	RURAMIRA		
00412044	1-Jan-00	MBARARA		
55003080	1-Jun-02			
00412041	1-Jan-92			

Each row directly contains data corresponding to an individual patient.

Indicator Reports

Indicator reports aggregate groups of people for each question. Below is a Period Indicator Report. Each row contains a question and the corresponding column contains the answer. The answer to each question is a link to the members of the group that fulfills the question.



The screenshot shows a web interface for a report titled "New Patients under 15". The report is displayed in a table format with multiple columns. The first column contains questions, and the subsequent columns contain answers. A red arrow points to a link in the answer column, which is likely a link to the members of the group that fulfills the question. The interface includes a search bar, a filter icon, and a refresh icon. The bottom right corner of the screenshot shows the date and time: "10/10/2014 10:10:10 AM".

Limitations

Currently, reporting compatibility is being used to bridge the gap between the old and new (e.g., combining cohort builder and data exports). This reporting module has many core features for evaluating parts of a report but does not have a good UI for designing a full report. Cohort builder is best for adhoc querying, though for unsupported data entry, you must use the cohort query editor in the reporting module. Data exports can only be designed/exported using reporting compatibility. This module contains a feature that allows you to define simple dataset definitions, such as a SQL-based dataset, but other definitions are not available.