COVID-19 Public Health Response

What is the OpenMRS platform response to COVID-19?

COVID-19 Public Health Response Overview

<table>
<thead>
<tr>
<th>Goal</th>
<th>Output/Tool</th>
<th>Status</th>
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</table>
| Science-based tools for implementers and countries for COVID-19 that they can customize based on country guidance and context. | **COVID-19 Starter-Set CIEL concept dictionary:** Terminology ready to support meaningfully encoded digital COVID-19 response  
**OMRS COVID-19 Data Dictionary** | DONE |
COVID-19 Form Bank and Concepts | DONE |
| Data for the public health community for public health surveillance, resource mobilization, and policy-making. | **OpenHIM COVID-19 Data Exchange:** Develop an OpenHIM mediator that supports submission of OpenMRS COVID-19 case data to the DHIS2 COVID-19 Surveillance Digital Data Package, for cases where OpenMRS implementations are required to submit COVID-19 related data to DHIS2 tracker and/or aggregate (Phase 2).  
**Improving OMRS Data Use for reporting and analytics in DHIS2:** Easier-to-use integration between the OpenMRS platform and DHIS2, to support implementers with structured, encoded data reporting related to COVID-19 and future pandemics. Strategic technical work in strategic preparation for upcoming ADX Indicator Guide for COVID-19 Reporting. | IN PROGRESS |

Where can you find us?

On Talk
https://talk.openmrs.org/c/projects/covid-19

On Slack
Slack: https://slack.openmrs.org/  
Slack Channel: #covid-19

Standing Weekly Call:
Who: Anyone in the community interested in our COVID-19 response.
When: Wednesdays at 9:30pm IST | 7pm Nairobi | 6pm Cape Town | 4pm UTC | 12pm Boston | 9am Seattle
Where: https://iu.zoom.us/j/91346146997 (Password: 1)

Google Drive Folder
The COVID-19 Response Project folder includes reference documents, meeting notes, etc.

Meeting Notes & Call Recordings
July 22 - Present
13 May 2020
6 May 2020
29 + 30 April 2020 (Care Cascade Discussion)
22 April 2020
20 April 2020 (OpenHIM+OpenMRS+DHIS2)
15 April 2020
8 April 2020
1 April 2020
25 March 2020
18 March 2020
13 March 2020

Squad Members
Theresa Cullen
Andrew Kanter
Hamish Fraser
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Ellen Ball
Steven Wanyee
David DeSimone
Antony Ojwang
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Support implementers’ work using OpenMRS in their COVID-19 response

Examples:
- **PIH:**
  - PIH EMR COVID-19 Inpatient Care
  - PIH EMR COVID-19 Inpatient Care
  - PIH EMR Lab ordering and results for COVID-19
- **NepalEHR:** Updating NepalEHR in response to COVID19
- **VecnaCares:** Digital Screening & Automated Risk Scoring
- **KenyaEMR:** Video on EMR changes for COVID

This spreadsheet further tracks assignments and status of squad-related work by implementing partners.

### OpenMRS COVID-19 Response Tools

#### COVID-19 Public Health Response Module

**In development:**

- Patient Intake, Registration, and Case Management
  - Patient information
  - Screening
  - Travel and exposure risk history
  - Clinical status
    - Clinical assessment
    - Laboratory data

**In discussion:**

- Referrals
- Program Enrollment
- Outcome
  - Case Report submission
  - PUI tracking
  - Clinical course/health outcomes

#### COVID-19 Public Health Reporting Module

**In discussion:**

- Clinical case reports
- Clinical summary with alerts
- Weekly/monthly reports
- Supply forecasting based on patient enrollment and care level
- System monitoring tool for EHR reliability and usage (available)
- Systems Interfaces
  - Laboratory, DHIS2, SORMAS, CommCare, etc

See also:

- **USAID COVID Digital Response**

Child pages:

- COVID-19 Form Bank and Concepts
- Indianapolis EMS Field Clinic Encounter
- PIH EMR COVID-19 Inpatient Care
- PIH EMR Lab ordering and results for COVID-19
• COVID-19 Reporting Indicators
• Improving OMRS to DHIS2 Integration