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>
</tr>
</thead>
<tbody>
<tr>
<td>Science-based tools for implementers and countries for COVID-19 that they can customize based on country guidance and context.</td>
<td><strong>COVID-19 Starter-Set CIEL concept dictionary:</strong> Terminology ready to support meaningfully encoded digital COVID-19 response</td>
<td>DONE</td>
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<td></td>
<td><strong>OMRS COVID-19 Data Dictionary</strong></td>
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<tr>
<td>Digital tools for health care workers to screen, test, and manage patients infected with COVID-19.</td>
<td><strong>Forms:</strong> COVID-19 Form Bank and Concepts COVID-19 Form Bank and Concepts</td>
<td>DONE</td>
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<td></td>
<td><strong>OpenHIM COVID-19 Data Exchange:</strong> 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).</td>
<td>IN PROGRESS</td>
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<td><strong>Improving OMRS Data Use for reporting and analytics in DHIS2:</strong> 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.</td>
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</tbody>
</table>

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
Ian Bacher
Ellen Ball
Steven Wanyee
David DeSimone
Antony Ojwang
Sanjaya Poudel
Shefali K
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 COVID-19
- **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