This page is our online repository of the many studies conducted exploring OpenMRS. Collectively, these studies provide strong evidence for a variety of use cases: the impact of EMR use on care, secondary data use for site or regional or global program guidelines improvement, and the community open source model. The OpenMRS Community maintains the OpenMRS Evidence Base and adds new studies as they are discovered.

Over 3,860 publications are noted online involving OpenMRS - search query here.

Note
This page is new and a work in progress as of August 2023. We are updating this with the thousands of articles published on OpenMRS with a bias towards recent articles from within the last few years.
Interoperability Standards


Open Source EMR


Open Source ICD 10


Open Source Capacity Building


Prenatal,ANC EMR


CDS HIV


HIV


Thyroid Cancer Ultrasound Oncology


Medical Training Capacity Building


COVID Home monitoring


HIV ART Disease Surveillance


COVID


Tuberculosis


OMOP


Public Health Open Source


HIV ART


Testing three EHR systems to determine their suitability for meeting the requirements discussed by working groups. Assessing the capability to: integrate both clinical data and geographic data; the capacity to incorporate standardized medical vocabulary in both English and French languages; along with its alignment with ICD10 standards.
Diabetes

HIV
2019 Kenya Humphrey 2018

Helped understand the link between parental viral suppression and child suppression

Radiology, Ris

HIV MCH LTU
2018 General Holmes 2018

Helped understand the impact of pregnancy and sex on retention in care

HIV Drug Resistance Pediatric
2018 General Wools-Kaloustian 2018

Helped identify delays in switching failed regimens.

EMR Open Source
2017 General Syzdykova, 2017

ANC, MCH

EMR
2017 Global Bashiri 2017


EMR Ebola

The rapid assembly of a community of designers and developers to build a new tablet based UI and workflow for an Ebola treatment program in Sierra Leone. One of a handful of EHR like applications actually implemented and used for clinical care during the Ebola outbreak.

Open Source EMR
2017 Global Kasthurirathne 2017

http://doi.org/10.4338/ACI-2016-08-RA-0139

Interoperability Indicators Reporting DHIS2

Patient Outcomes HIV
2016 Kenya Olney 2016

Interoperability API EMR

LTFU HIV

Informatics Capacity Building

Decision Support (CDS) Pediatrics HIV

Decision Support (CDS) Pediatrics HIV

EMR Open Source Modular

Open Source

Implementation on EMR Open Source

Terminology SNOMED Tuberculosis

Decision Support (CDS) HIV

Decision Support (CDS) HIV

Decision Support (CDS) HIV
Early clinical evaluation of the impact of OpenMRS (paper based) reminders on patient care

HIV

MCH Reproductive Health

Implementati on Capacity Building

Implementati on Capacity Building

Implementati on Capacity Building

HIV

PMTCT HIV MCH

Building informatics capacity in Kenya; additional information on AmpathMRS. Per Ampath: “The publications using AMRS have helped us identify key gaps in the HIV care and treatment program including the high rate of LTFU from the first paper we published. We also used AMRS to inform MOH about VL testing in pregnancy a few years ago though this was not published as a paper. More recent use of AMRS data has been in IeDEA analysis that have looked at a number of things including new guideline adoption.”
Global

2009

Seebregs, C.


Important early paper on OpenMRS community with Chris Seebregs one of the 4 co-founders as first author.

Implementati

2007

Allen C, Mamlin, P. Global HIV

https://books.google.ca/books?hl=en&lr=&id=2eIKhIyV

Early work with OpenMRS in Rwanda

EMR

2007

Allen C, Mamlin, P. Global Nutrition

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839638/

Early work with OpenMRS in Rwanda

EMR

2006


Tuberculosis

2007


EMR

2007


EMR

2006


EMR

2006


EMR

2006


EMR

2006


EMR

2005

AMPATH Medical Record System (AMRS): collaborating toward an EMR for developing countries. AMIA Annual Symposium Proceedings. 2005:490-4.

EMR

2005


EMR

2005


EMR

2003


EMR

2002


EMR

2001


EMR

2000


EMR Open Source

2009

Seebregs, C.


EMR Open Source

2007


EMR Open Source

2007

Kenya Tierney 2007

EMR Open Source

2006


EMR Open Source

2006

Global Wolfe 2006

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839638/

EMR Open Source

2006

Global Mamlin 2006

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839638/

EMR Open Source

2006

Kenya Wools-Kaloustian 2006

Identified LFU as an issue

EMR

2005


EMR

2005

Global Biondich 2005

https://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839638/

OpenMRS design and development underway

EMR

2005


EMR

2003


EMR (Early days)

2002

Kenya Tierney 2002

http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1839638/

This described the main precursor system of OpenMRS at AMPATH

EMR (Early days)

2001


This described the main precursor system of OpenMRS at AMPATH