Interactive Capacity-Building Training Session Using REDCap for Data Management

EM Regional COVID-19 Vaccine Effectiveness Studies

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Overview

- EM Regional COVID-19 Vaccine Effectiveness studies
 - WHO VE protocols (both questionnaires are in REDCap)
- REDCap intro:
 - What it is, features and advantages
- WHO's license for REDCap
 - WHO's Electronic Data Collection REDCap (EDCRC)
 - EDCRC services, governance and resources





Research Electronic Data Capture

- A web-based application developed by Vanderbilt University
- To enter / collect (capture) data for clinical research and create databases and projects.
- It is Health Insurance Portability and Accountability Act (HIPAA)—compliant, highly secure and safe to use.





REDCap features and advantages

- Intuitive for users (user friendly)
- Different study design
- Easy customization
- Multiple users per project with different roles / access (user rights)
- Data entry (Online & Offline)
- Data management & visualisation
- Build-in reports and descriptive statistics
- Translation in multiple languages





REDCap compared to other platforms

FUNCTIONALITY	KoboCollect	REDCap	Epidata	MS Access	Openclinica
Simple survey (Database)	yes	yes	yes	yes	yes
Longitudinal study	x	yes	yes	yes	yes
Events and Planification for longitudinal					
survey	x	yes	x	x	yes
Relational database	yes	yes	yes	yes	yes
Usable for a multicentric study	yes	yes	X	x	yes
Online form design	yes	yes	x	X	x
Offline form design	yes	yes	yes	yes	yes
Branching logics and Edit checks	yes	yes	yes	yes	yes
Audit trail	x	yes	x	yes	yes
Saisie sur tablette (online & offline)	yes	yes	x	X	x
Data entry on PC	x	yes	yes	yes	yes
Double entry	x	yes	yes	yes	yes
Double entry comparator	x	yes	yes	yes	?
Ability to modify data already sent to the					
server with tablets	x	yes	x	x	NA
Generation des Queries	x	yes	yes	yes	yes
User rights management	yes	yes	yes	yes	yes
Free Software	x	yes	yes	X	yes
Export data	yes	yes	yes	yes	yes
Visualization and statistical tables	yes	yes	yes	X	x
Dynamics reports	yes	yes	yes	yes	X









- REDCap is also being used for COVID-19 VE evaluation in other WHO Regions
- Fully executed license since March 2020
- License covers the whole Organization
 - No need for individual users / units to apply for a license with Vanderbilt University
 - Regional / Country offices could install REDCap on their servers

REDCap Non-Profit End-User License Agreement

This non-profit end-user license agreement ("Agreement") is made by and between Vanderbill', a not-for-profit corporation duly organized and existing under the laws of Tennessee and having offices at 1207 17th Avenue South, Suite 105, Nashville, Tennessee 37212, and the World Health Organization, an international intergovernmental organization and specialized agency of the United Nations, with its headquarters at 20, Avenue Appia 1211 Geneva 27 Switzerland (the "Licensee"). Both Vanderbilt and Licensee are referred to as the "Parties" or, individually, a a "Party."

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1. DEFINITIONS

For the purposes of this Agreement, the following terms, when appearing with an initial capital letter, shall have the meaning designated below:

- 1.1 "Consortium" means the group of REDCap institutional partners from CTSA, GCRC, RCMI and other institutions in several countries as further defined and described on the REDCap website (http://projectredcap.org/).
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WHO server for REDCap – services and governance

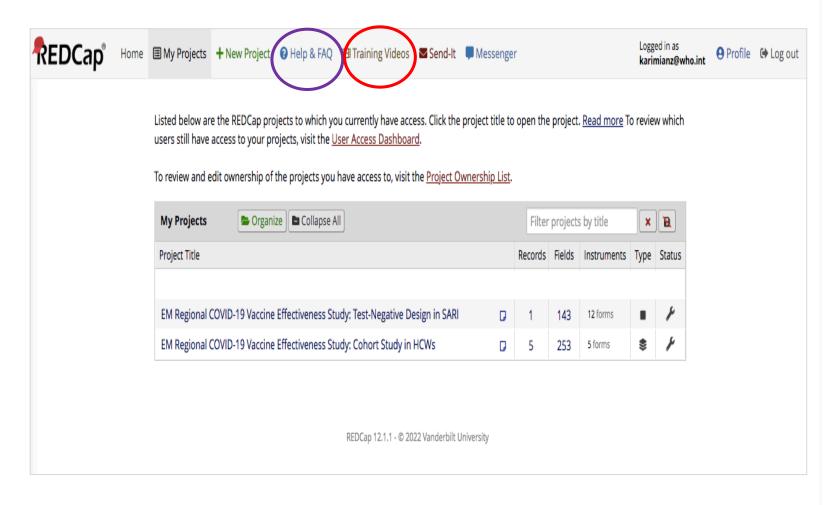
Infrastructure provided by WHO-HQ Information Management and Technology (IMT):

- Cybersecurity review
- Hosted on local server in WHO HQ-GVA data center
- Integration with WHO systems:
 - Authentication: Login with WIMS account and WHO External Partners account
 - WHO URL: https://extranet.who.int/edcrc





EDCRC resources







Resources and references

- Parts of the content in this presentation were based on information kindly shared by our colleagues at the WHO-HQ in Geneva.
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