

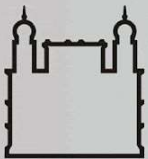
WEBINAR

Simultaneous translation
into ENG-SPA-PT

The use of REDCap beyond surveys and typical databases: *Efficiency in research*

Dec 14 2023, 13:00 GMT / 10:00 GMT-3 (BR/AR)

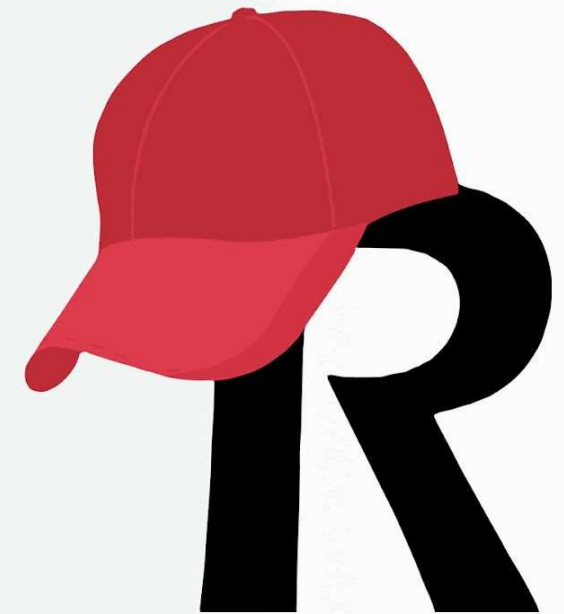
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Joining us today

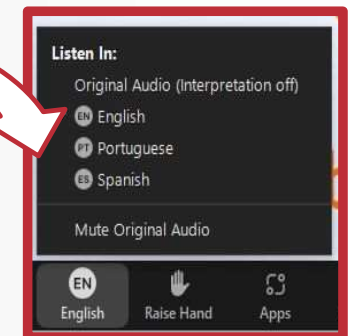
1	Country	Count	Total
2	Spain	250	2722
3	Australia	170	
4	Kenya	159	
5	Brazil	152	
6	India	140	
7	Nigeria	131	
8	Uganda	127	
9	United Kingdom	126	
10	Italy	117	
11	Ghana	114	
12	United States	92	
13	Ethiopia	68	
14	South Africa	67	
15	Cameroon	55	
16	Malawi	53	
17	Tanzania	48	
18	Canada	43	
19	Argentina	42	
20	Belgium	37	

The use of REDCap beyond surveys and typical databases:
Efficiency in research, 14/12/2023



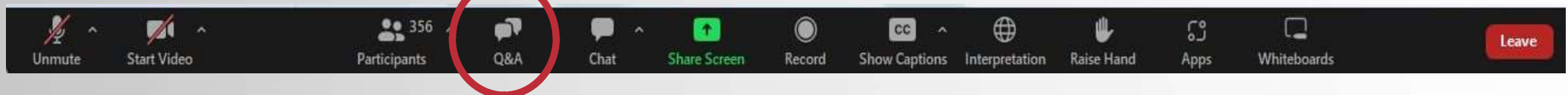
Housekeeping

- This webinar is being recorded and will be shared on The Global Health Network platform - Fiocruz and Latin America and the Caribbean hubs.
- Due to the number of participants your camera and microphone are disabled.
- This webinar will be held in Portuguese and simultaneous translation will be provided into both English and Spanish.
- Navigate to the toolbar, click on Language Interpretation and select your desired language input.



Housekeeping

- Please use the **Chat feature** for introductions and to report any technical issues.
- Please use the **Q&A feature** to post your questions. You can post anonymously.
- We have dedicated time allocated for Q&A so we'll try to get through as many questions as possible.



Panel

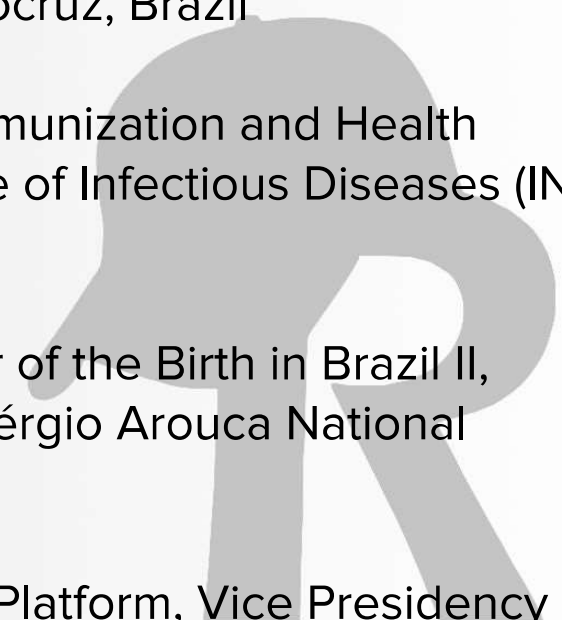
Chair: Vanessa de Arruda Jorge - Coordinator of the Information and Communication, Vice Presidency of Education, Information and Communication (VPEIC), Oswaldo Cruz Foundation (Fiocruz), Brazil

Leandro Amparo de Souza - Clinical Research Data Manager at the Clinical Research Platform, Vice Presidency of Research and Biological Collections (VPPCB), Fiocruz, Brazil

Margareth Catoia Varela - Data Scientist and Coordinator at the Immunization and Health Surveillance Research Unit (LIVS), Evandro Chagas National Institute of Infectious Diseases (INI), Fiocruz, Brazil

Ana Paula Esteves Pereira - Epidemiologist and deputy coordinator of the Birth in Brazil II, Department of Epidemiology and Quantitative Methods in Health, Sérgio Arouca National School of Public Health (ENSP), Fiocruz, Brazil

André Bastos Daher - Coordinator of the Fiocruz Clinical Research Platform, Vice Presidency of Research and Biological Collections (VPPCB), Fiocruz, Brazil



Agenda

- **REDCap Introduction in Research**
- **REDCap in Real Life - practical applications**
- **Managing large volumes of data in REDCap - The Birth in Brazil experience**
- **Advanced resources in research project management - The Sakura Project experience**
- **REDCap Software Management**
- **Discussion and Q&A**



Resources

- <https://portal.fiocruz.br/en>
- <https://fiocruz.tghn.org/>
- <https://lac.tghn.org/>
- <https://nascernobrasil.ensp.fiocruz.br/>
- <https://doi.org/10.1371/journal.pone.0294412>



REDCap

Software Management



Leandro Amparo de Souza

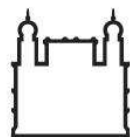
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®



REDCap

Research Electronic Data Capture



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Introduction

- REDCap is a secure web application for building and managing online surveys and databases. While REDCap can be used to collect virtually any type of data in any environment (including compliance with 21 CFR Part 11, FISMA, HIPAA, and GDPR), it is specifically geared to support online and offline data capture for research studies and operations.
- The REDCap Consortium, a vast support network of collaborators, is composed of thousands of active institutional partners in over one hundred countries who utilize and support their own individual REDCap systems.

Technical Requirements for Installing REDCap

- REDCap is a web application (i.e. server software). Once installed, it is accessible via a web browser.
- REDCap is not something that can be downloaded and installed on a personal computer.
- REDCap requires both a web server and a database server. The network/server infrastructure must be in place at your institution prior to REDCap being installed.

- It's recommended that a dedicated IT person (e.g. a system administrator) be responsible in part or in whole for the upkeep, configuration, and reliable operations of your servers.
- Each consortium site is independently responsible for their system installation, maintenance, and launch. REDCap can easily be installed and supported by a small technical team. Once a system is launched, REDCap projects can be created and used at any time, from anywhere in the world, and accessed via any device having an internet connection.

- If you do not have the means to setup and/or maintain servers as described above OR will not be able to have an institutional IT staff dedicated to the maintenance of the servers and launching the system, then you should not consider installing REDCap at your institution. Health and research data must always be stored in a server environment that is kept fully updated with all applicable software security patches.

How to acquire REDCap



Institutions	Countries	Projects	Users	Articles
2582	116	471k	621k	4174

ABOUT PARTNERS RESOURCES SOFTWARE

JOIN & GET REDCAP

How do I get REDCap at my local institution?

REDCap software and support *are available at no charge* to institutions that join the REDCap Consortium. Software, support, and documentation are provided via the internal Consortium portal (accessible only by partners). The consortium is active, and we typically hold a virtual all-hands meeting each Friday to discuss new development, prioritization, outstanding support issues, etc. Attendance is not required, but we have found this to be an effective way to learn about upcoming software features, hear consortium announcements, and solicit new ideas and feedback. Volunteers have contributed ideas for new modules, documentation, business models for supporting institutional projects, module testing resources, and technical support for new members.

REDCap is not difficult to support (one support person can manage hundreds of projects), but there are infrastructure requirements (PHP web server, MySQL database server, etc.). For a list of infrastructure requirements and dependencies, please see the [Software Tech Requirements](#) page. Interested institutions will need a technical person (or team) for installing and maintaining the software, as well as an administrative person (or team) who will provide day-to-day assistance to your REDCap end-users. The technical staff will need to be affiliated with your institution, not a third-party software vendor or service provider.

Although REDCap is available at no charge, it is not open-source software. Before an institution can join the consortium (and then obtain the REDCap source code), a valid end-user license agreement between Vanderbilt University and your institution must be executed. Since institutional policies vary, acknowledgment or direct consent of the Director of Technology Transfer or General Counsel may be necessary. Please check with your Technology Transfer Office or General Counsel Office to obtain the appropriate signature necessary to execute this end-user license agreement. You may begin the electronic end-user license agreement below.

DIVE DEEPER

If you represent a not-for-profit institution and you seek to join the REDCap community, then visit the [Join](#) page.

Learn more about our [software](#) or sign up for a [free demonstration account of REDCap](#).


Learn more about [REDCap's story](#) and the [REDCap Consortium](#), a community that collectively supports REDCap activities.

If you are already at a member institution, find your group on our [world map](#) or in our list of [REDCap partners](#).

NEWEST FEATURE

In May 2017, REDCap Messenger was released. This communication platform is built

How to acquire REDCap



REDCap
research · electronic · data · capture

Institutions	Countries	Projects	Users	Articles
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How to obtain the REDCap software and join the consortium:

- 1.) Prior to submission, view the [REDCap End-User License Agreement](#).
- 2.) Complete the [Electronic End-User License Agreement](#).

If you are interested in using a hosted REDCap solution for industry-sponsored trials requiring 21 CFR Part 11 validation, please see [REDCap Cloud](#) for more information.

For more information on REDCap or becoming a consortium partner, you may contact the Vanderbilt REDCap Team at redcap@vanderbilt.edu.

REDCap partners

Search ...

NEWEST FEATURE

In May 2017, REDCap Messenger was released. This communication platform is built directly into REDCap, allowing users to communicate easily, efficiently, and securely. REDCap Messenger is a chat application that supports one-on-one direct messages and group conversations, as well as project-linking, document and image sharing.

REDCap is powered by Vanderbilt



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REDCap End User License Agreement - Pre-Submission Questions

Thanks so much for your interest in becoming a REDCap consortium partner! Before beginning the application process, we need you to answer a few questions.

About Your Institution or Organization

Please choose the best description of your institution/organization type.

Note that licenses CANNOT be granted to

-individual users

-consulting firms, for profit or not-for-profit who offer REDCap as a data hosting service to clients

** must provide value*

- Academic (non-profit)
- Non-profit
- Government
- For profit (including academic for profit)
- For profit working as contractor for government or non-profit

reset

About You

An authorized signatory is an officer or representative vested (explicitly, implicitly or through conduct) with the powers to commit the authorizing organization to a binding agreement.

The signatory is usually an institutional employee who routinely commits the institution to legal contracts. Common job titles for an authorized signatory include IT Director, Departmental Manager, Chief Operating Officer, research director or chancellor.

Physicians, fellows, and students generally do not have sufficient signatory authority to commit the institution (even a particular lab/department) to the REDCap license terms. So please do NOT submit this license using the job title Medical Doctor (MD) or physician or fellow or student. These job titles are NOT sufficient signatory



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User creation

User Management for Table-based Authentication

New REDCap user accounts (Table-based authentication ONLY) may be created on this page. They may be created one at a time, or they may be created in bulk by uploading an Excel/CSV file containing the usernames and user information. See instructions under each tab below.

 Create single user

 Create users (bulk upload)

To create a new user (Table-based authentication ONLY), provide the new user name along with the user's name and e-mail address. Once created, the user will receive an e-mail with log in information.

Basic attributes:

Usuário:

Primeiro nome:

Sobrenome completo:

Primary e-mail:

Notification Preferences for REDCap Messenger:

Frequency of e-mail notifications for any new messages received:

Enable instant e-mail notifications for 'Important' messages and messages where you are tagged (@username)? This overrides the frequency setting above.


Optional attributes:

Secondary e-mail:

Tertiary e-mail:

System updates

Notificações

Server info: REDCap 13.7.22 · PHP 7.4.25 (Linux/Unix OS) · MySQL 8.0.17 


Se houver alguma notificação importante para mostrar aos Administradores do REDCap, elas aparecerão aqui nesta página.


New REDCap versions are available for upgrade

Upgrades are available for the versions listed below in which it will display the REDCap version number, a brief description, and release date. This process will download the upgrade zip file from the REDCap Community website and then (if possible) automatically execute the Upgrade SQL script to fully complete the upgrade. Click the button to upgrade to a specific version.


LTS versions [\(View changelog\)](#)


 **13.7.25** Bug fixes (07/12/2023)


 13.7.24 Bug fixes (30/11/2023)


 13.7.23 Bug fixes (16/11/2023)


Standard Release versions [\(View changelog\)](#)


 14.0.1 Bug fixes + minor improvements (07/12/2023)

 14.0.0 Several features for improving server performance ; Bug fixes + minor improvements (30/11/2023)

 13.11.4 Major bug fix (18/11/2023)


 13.11.3 Bug fixes + minor improvements (16/11/2023)


 13.11.2 Bug fixes + minor improvements (09/11/2023)

 13.11.1 Bug fixes (03/11/2023)

 13.11.0 Several new features ; Bug fixes + minor improvements (02/11/2023)

 13.10.6 Bug fixes (26/10/2023)

 13.10.5 Bug fixes, including several security fixes, and minor improvements (19/10/2023)

 13.10.4 Bug fixes, including major/medium security fixes ; Minor improvements (11/10/2023)



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System statistics

System Statistics

System Statistics	
Total projects (includes 'practice' projects)	509
• Project status	
- Production view types	171
- Development view types	332
- Analysis/Cleanup view types	6
- Completed view types	0
• Project types	
- Projects not containing surveys	241
- Projects containing surveys	268
• Project purpose	
- Research view subcategories	279
- Operational Support	168
- Quality Improvement	47
- Other	15
Project attributes (all projects)	
- Data collection instruments	3.567
- Fields on all data collection instruments	162.641
- Records	120.767
- Survey responses	120.767
- Survey participants (in participants list)	3.217
- Survey invitations sent	42.704
- Responded	26.854
- Not responded	15.850
- Calendar events	45.465
- Schedules generated	3.425
- Projects created from a project template	8
- Surveys using Text-to-Speech functionality	11

Modules utilized (excludes 'practice' projects)	
- Longitudinal (using multiple events)	97
- Repeating instruments/events	
- Repeating instruments or events (either)	98
- Repeating instruments	96
- Repeating events	9
- Repeating instruments and events (both)	7
- Alerts & Notifications	
- Alerts (for all projects - excluding deactivated alerts)	112
- Projects with one or more alerts	51
- Double Data Entry	2
- Randomization	15
- Mobile App	
- Users utilizing the mobile app	978
- Projects initialized on the mobile app	49
- Projects with data imported from the mobile app	41
- MyCap Mobile App	
- Projects with MyCap enabled	3
- MyCap participants that have joined a project	0
- MyCap tasks created (excluding active tasks)	0
- Active tasks created	0
- Announcements and messages (sent and received)	0
- Twilio telephony services	3
- Mosio SMS services	0
- SendGrid email service for Alerts & Notifications	0
- REDCap Messenger	
- Conversations	959
- Conversations linked to a project	939
- Messages sent (total)	1.040
- Messages sent (past 7 days)	0
- Messages sent (past 30 days)	114

- e-Consent Framework	
- Projects with surveys utilizing e-Consent Framework	11
- PDF consent files stored via e-Consent Framework	97
Space usage	
- MySQL database server	25,90 GB
- Web server	247,50 GB
Total files sent using Send-It	
- Past 7 days	1
- Past 30 days	1
Total logged events	
- Past 30 minutes	721
- Today	5.051
- Past 7 days	48.794
- Past 30 days	413.909
User Statistics	
• Users currently logged in	
- Project users	26
- Survey participants	18
• Total user accounts	
- Active users [?]	855
- Non-active users (excluding suspended users)	39
- Suspended users	1.790
• Median # users per project (prod/analysis-cleanup)	
- Projects not containing surveys	14
- Projects containing surveys	3
• Avg/mdn # projects a user can access	
- Users (table-based authentication)	4.7 / 4
- Users (table-based authentication)	2.539

Thanks!

leandro.amparo@fiocruz.br