



Getting Started

with



For Your Best Experience



Turn off video and mute your mic



Use the chat



Raise your hand in the chat for any urgent questions



Questions/Concerns, email
kyle.lago@uwindSOR.ca

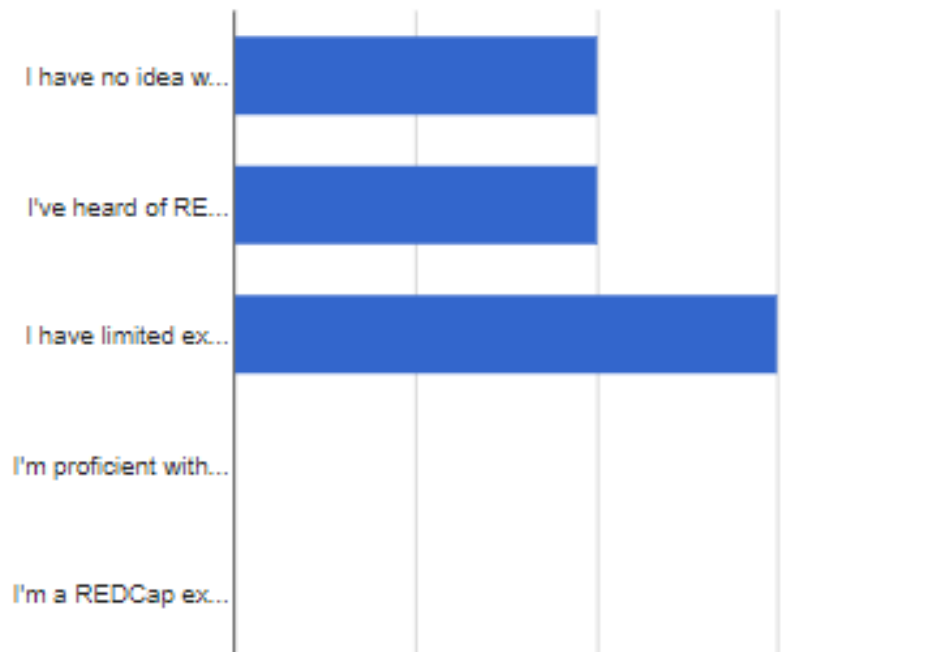
1. Intro to REDCap
2. Data Import, Export, and Report Building
3. Project Management
4. The Survey Module

Agenda

1. History of REDCap
2. Ideal Research Data Lifecycle
3. Introduction to REDCap
4. Why REDCap?
5. What can it be used for?
6. Live demo of REDCap



How familiar are you with REDCap



What are you hoping REDCap can help you with?



According to the Research Data Management Policy, publicly funded data collection should:

1. Be responsibly managed
2. Available for reuse by others, as appropriate



Why is This Important?

Data Management Plans (DMPs) describe 4 aspects:

New Data

- how data will be collected, documented, formatted, protected and preserved

Existing Data

- how existing datasets will be used and what new data will be created over the course of the research project

Sharing

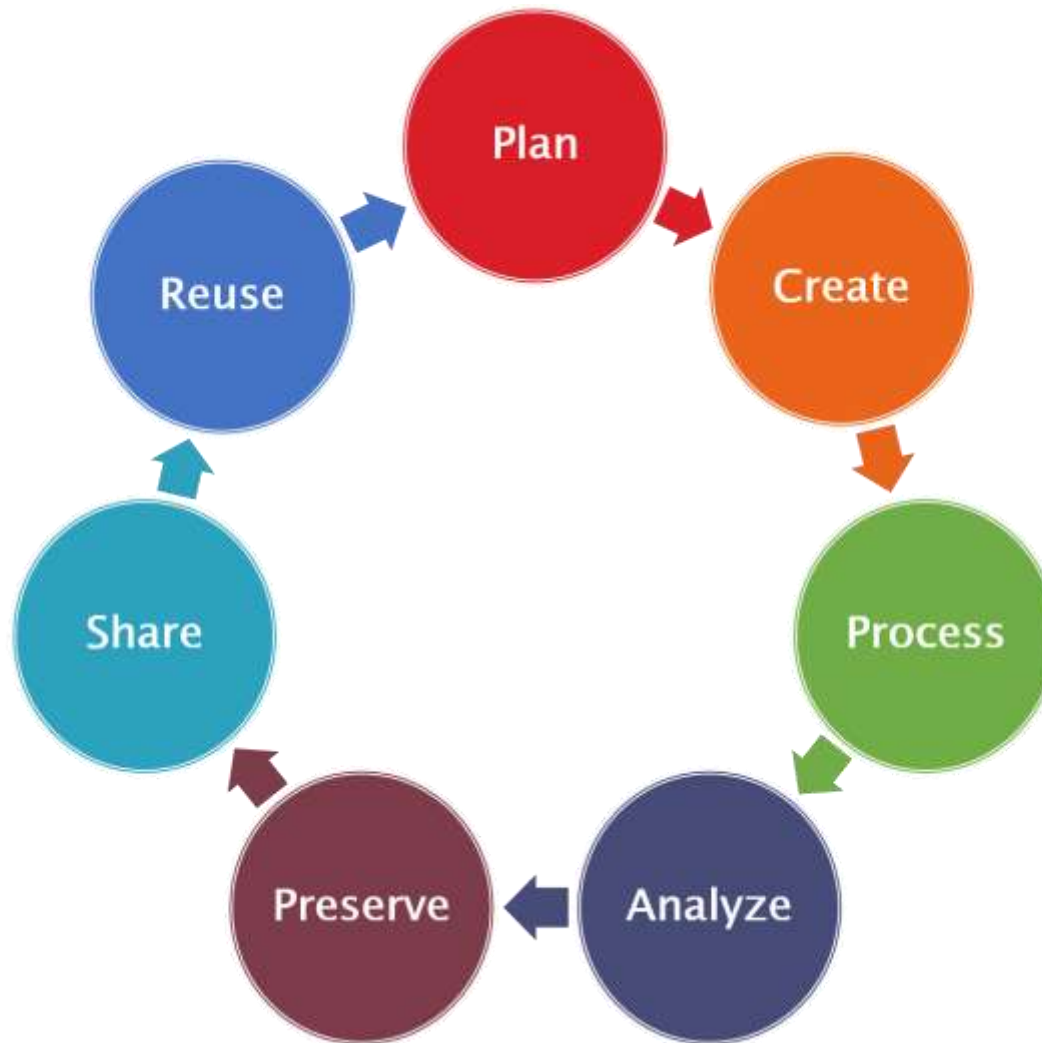
- whether and how data will be shared

Storage

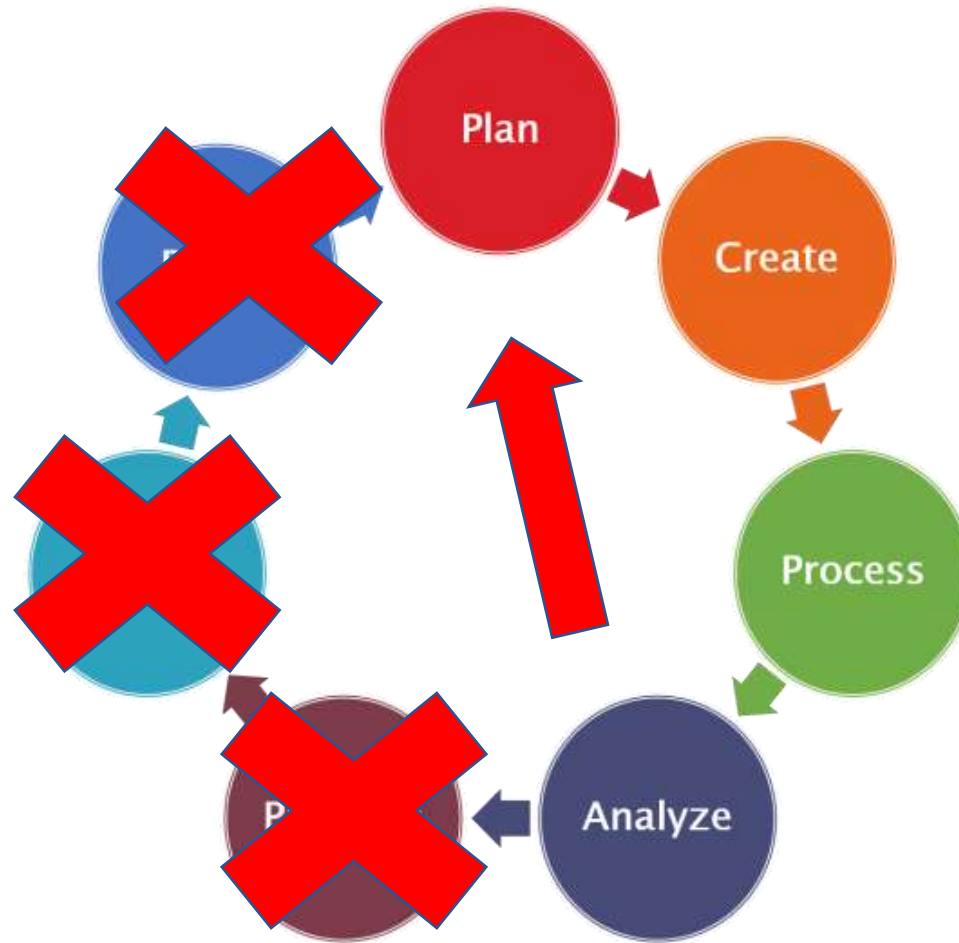
- where data will be deposited

For more info: http://www.science.gc.ca/eic/site/063.nsf/eng/h_97610.htm

The Ideal Research Data Lifecycle



The Ideal Research Data Lifecycle



What sometimes happens instead!

What we found



What is REDCap?



REDCap is a PHIPA compliant secure web application that allows researchers to collect, store and analyze data from anywhere in the world in one centralized repository.

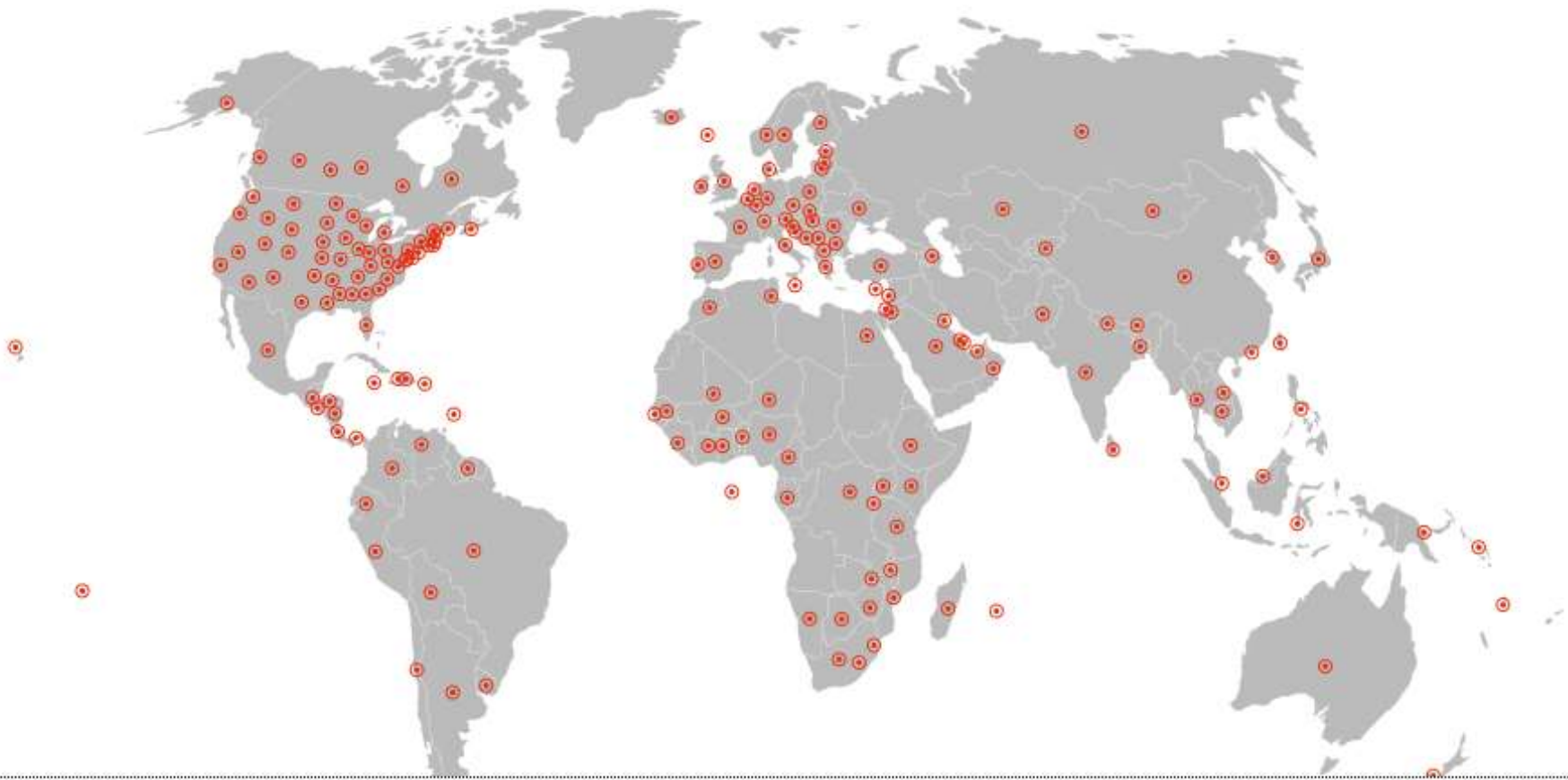
A screenshot of the REDCap web application interface. The top left shows the REDCap logo and user information: "Logged in as [username] | Log out". Below this are navigation links: "My Projects or Control Center", "Project Home", and "Project Setup". The project status is "Development". The main content area is titled "Personnel Registration Forms" and contains several sections: "Data Collection" with links for "Record Status Dashboard", "Add / Edit Records", and "Data Collection Instruments" (listing "Basic Demography Form"); "Main project settings" with "Enable" buttons for "Use longitudinal data collection with repeating forms?" and "Use surveys in this project?", and a "Modify project title, purpose, etc." button; and "Design your data collection instruments" with a "Complete!" status and links for "Download PDF of all data collection instruments" and "Download Dictionary".



The REDCap Consortium has **3,802** active partners in **132** countries.

REDCap software has generated over **808,000** projects from over **1,100,000** users.

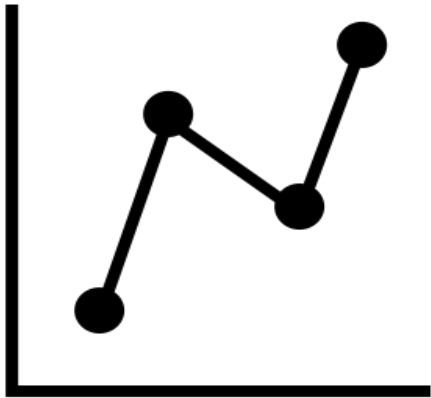
7,303 journal articles cite REDCap.



Some of our fellow Ontario Institutions using REDCap

Children's Hospital of Eastern Ontario Research Institute (CHEO-RI)
McMaster University - CSU (Ontario, Canada)
Ontario Brain Institute
Ontario Cancer Biomarker Network
Pediatric Oncology Group of Ontario
University of Western Ontario
Aga Khan Council for Canada
Brock University
Canadian Institute for Health Information
Centre for Addiction and Mental Health
Gastrointestinal Diseases Research Unit
Holland Bloorview Kids Rehabilitation Hospital
Homewood Research Institute
Hopital Montfort
Kingston General Hospital
Lakehead University - Department of Athletics, Sports Medicine Clinic & Concussion Clinic
Laurentian University
Lawson Health Research Institute
London Health Sciences Centre
London Health Sciences Centre - Decision Support
MCMASTER UNIVERSITY - FACULTY HEALTH SCIENCES
McMaster University - Population Health Research Institute
McMaster University
McMaster University - Department of Family Medicine
McMaster University - Industry Liaison Office

McMaster University - Language, Memory & Brain Laboratory
Mount Sinai Hospital
Population Health Research Institute
Princess Margaret Cancer Centre - University Health Network
Queen's University at Kingston
Queen's University- CNS
Research at St. Joseph's Healthcare Hamilton
Ryerson University
Seneca College
St. Joseph's Care Group
St. Michael's Hospital
Sunnybrook Research Institute
The College of Family Physicians of Canada
The Ottawa Hospital
Toronto General Hospital - General Internal Medicine
Toronto Health Economics and Technology Assessment Collaborative
Toronto Transfusion Medicine Collaborative
Toronto Western Hospital - Morton and Gloria Shulman Movement Disorders Centre
Trillium Health Partners
UHN rTMS Clinic (University Health Network Repetitive Transcranial Magnetic Stimulation Clinic)
University Health Network - Epilepsy Genetics Research Program
University of Toronto Faculty of Kinesiology and Physical Education
University of Waterloo
York University
Ontario Institute for Cancer Research
University of Western Ontario- National Centre for Audiology



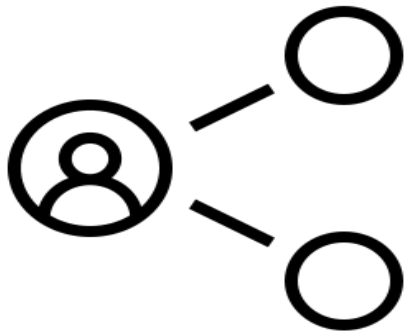
Data Standards

- *Easily Implemented within REDCap*



PHIPA Compliant

- *REDCap approved for storage of PHI when appropriate*

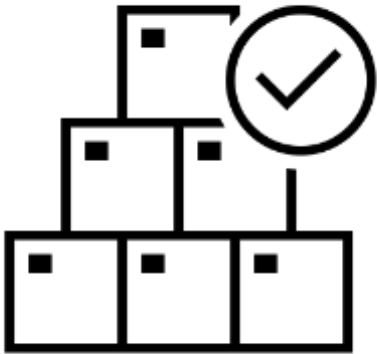


Easy Data Sharing

- *Multiple ways to get Data to your collaborators*



Why REDCap?



Customizable

- *REDCap projects used across many disciplines and purposes*



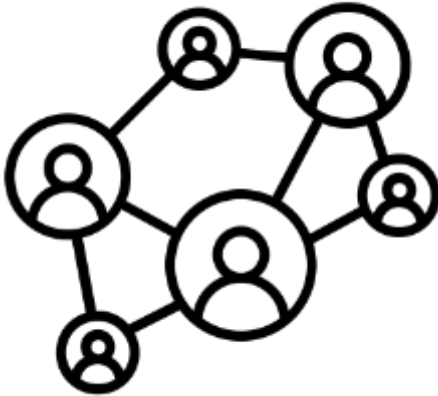
REDCap API

- *Allows external software to interact with REDCap. Useful for automating workflows.*



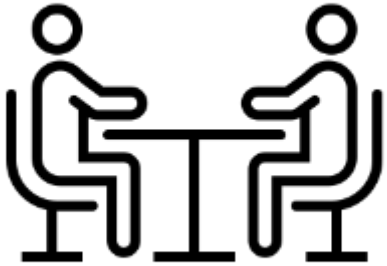
Why REDCap?

Community



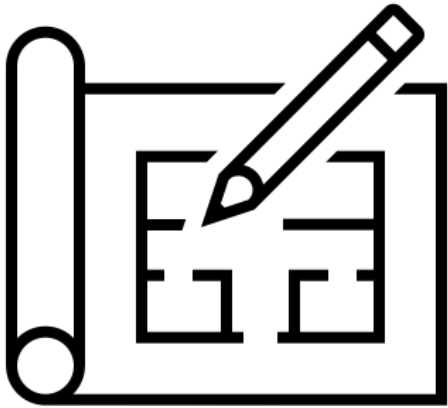
- *REDCap used at 4784 Institutions*
- *Across 141 Countries*
- *1.1 Million Projects*
- *1.6 Million Users*
- *Very active user-supported consortium*

Why REDCap?



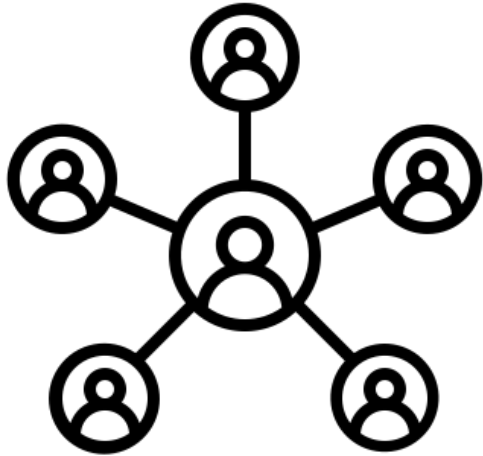
Used by many of our partners

- *Allows for easier collaboration*



Satisfied DMPs

- *Good tool for satisfying DMP requirements*



Multi-Site Projects

- *Supports seamless collaboration across many sites*

Data Sharing is Important!





Forbes

nature

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How AI is improving cancer diagnostics

Artificial intelligence can spot subtle patterns that can easily be missed by humans.

Neil Szep

PDF version

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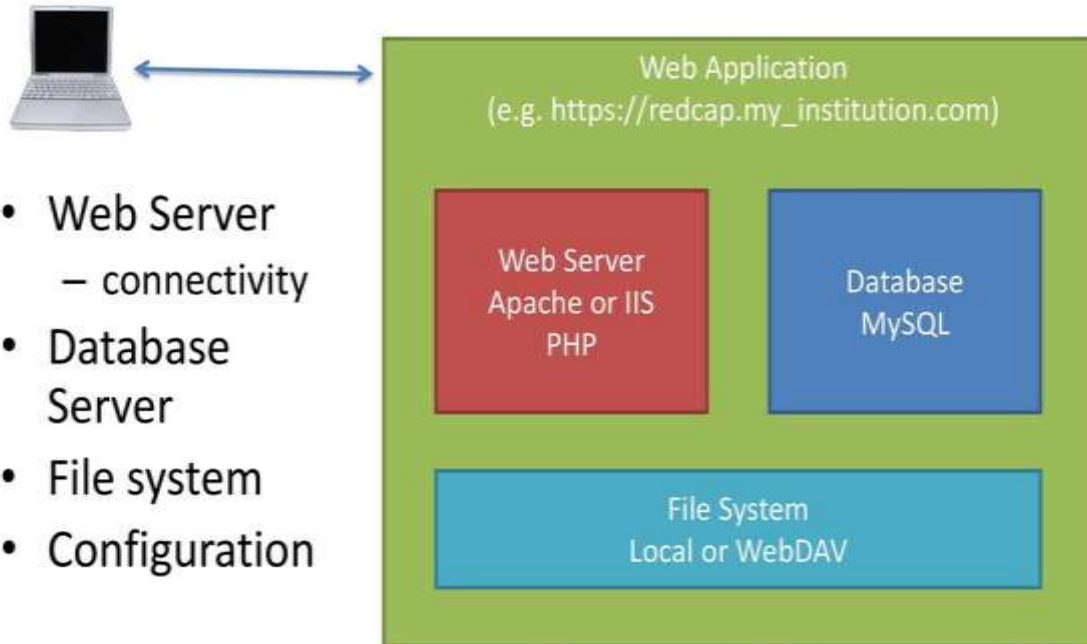
Bernard Marr Contributor @
Enterprise Tech

f We're experiencing a mental health crisis. Approximately 15.5% of the global population is affected by mental illnesses, and those numbers are rising. Although there are many who require treatment, more than 50% of mental illnesses remain untreated. In the United States, one in five adults suffers from some form of mental illness. Every 40 seconds one person dies from suicide and for every adult who dies from suicide, there are more than 20 others who have attempted to end their life. The ramifications of this go beyond our families and cultures as mental health also has a tremendous economic impact for the cost of treatment as well as the loss of



How Does It Work?

REDCap is a Web Application



- Web Server
 - connectivity
- Database Server
- File system
- Configuration



What Can It Be Used For?



**Clinical
Research**



**Multi—Site
Research
Projects**



**Administration/
Operations**



**Randomized
Control Trials**



REDCap on the go!



Who is REDCap Mobile App's Audience?

[View](#)

Create New App User

Why create two users?

[View](#)

Create Admin

Admin Username:
admin

6-digit Admin PIN:

Re-enter 6-digit Admin PIN:

[Suggest Random Password](#)

Create Data Collector

First Username:

6-digit PIN:

Re-enter 6-digit PIN:

[Suggest Random Password](#)



MyCap 4+

Vanderbilt University Medical Ce... >

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Details

Reviews

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iPhone





REDCap Repo

Repository of External Modules

The REDCap Repo is a centralized repository of curated External Modules that can be downloaded and installed in REDCap by a REDCap administrator. External Modules are add-on packages of software that can extend REDCap's current functionality, as well as provide customizations and enhancements for REDCap's existing behavior and appearance, either at the system level or project level. The modules provided here were created and submitted by software developers at various REDCap institutions around the world.

If you have created a module and wish to submit it to be listed in the REDCap Repo, please complete the [Module Submission Survey](#). Updated versions must also be submitted via the survey. To learn more about the REDCap Repo module review process, you may download the [Module Review Guidelines \(PDF\)](#).

You may search below for available modules. If you got to this site directly, you will be able to view information about each module, but you will not be able to download modules from this page unless you arrived here from the REDCap application and are a REDCap administrator. If you have questions or are experiencing issues, please contact redcap@vumc.org.

Disclaimer: The modules listed in the REDCap Repo have gone through a process of testing, validation, and curation by the Vanderbilt REDCap Team with help from trusted individuals in the REDCap Consortium. It should not be assumed that all modules are bug-free or perfect, so please be aware that the entire risk as to the quality and performance of the module as it is used in your REDCap installation is borne by the REDCap administrators who download and install the modules.

[Return to REDCap](#)

Show entries

| Module title and description | First Submitted | Most Recent Update | Downloads (Installs only - Excludes updates) | |
|---|-----------------|--------------------|---|--|
| API Sync (api_sync_v1.6.0) View on GitHub <i>Description:</i> Automates exporting/importing to/from remote REDCap servers via the API. The Data Dictionaries for the local and remote projects are expected to be either identical or compatible. This module could easily be expanded to support additional scenarios (like automatically syncing the data dictionary as well). <i>Author:</i> Mark McEver (Vanderbilt University Medical Center) | 2019-07-05 | 2021-01-13 | 134 | Download |
| Admin Dashboard (admin_dash_v3.5.2) View on GitHub <i>Description:</i> Provides multiple reports on REDCap metadata (users, projects, etc) in a clean table view with complex filtering and export options. Custom reports can be added via user-defined SQL queries. <i>Author:</i> Jzy Neuhaus (University of Iowa) | 2018-02-27 | 2020-11-13 | 1,009 | Download Already downloaded |

RECAP

1. History of REDCap
2. Ideal Research Data Lifecycle
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4. Why REDCap?
5. What can it be used for?
6. Tour of REDCap





QUESTIONS?





Tour of REDCap!



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**Multi—Site
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**Randomized
Control Trials**



<https://www.wesparkhealth.com/redcap-documents>

External Resources

<https://www.iths.org/investigators/services/bmi/redcap/curriculum/>

<https://cri.uchicago.edu/redcap-training/>






QUESTIONS?





Join us @ WE-SPARK

-  Become a WE-SPARK member
-  Let us know about your health events
-  Join us on social media @wesparkhealth!

