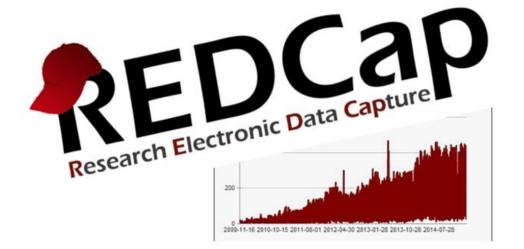
Introduction to





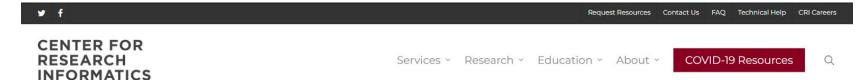


Presenter: Julissa Acevedo
Senior Systems Analyst / REDCap Administrator



Introduction

THE CENTER FOR RESEARCH INFORMATICS







ACQUIRE DATA

Explore clinical data available for research and make a data request.

Clinical Research Data Warehouse Cohort Discovery



ANALYZE DATA

We offer high-performance computing and advanced bioinformatics analysis for the most complex datasets.

Bioinformatics Core
High Performance Computing
Computing Resources



STORE DATA

Our storage is secure, standards-compliant, and backed up daily.

CRI Data Storage



MANAGE DATA

Manage studies, surveys, and databases for research.

REDCap

Clinical Trials Informatics



FIND A CUSTOM SOLUTION

Learn more about the CRI's tailor-made research solutions.

Custom Applications



WHAT IS REDCAP?

Web-based
software used
to create and
manage research
databases and
participant
surveys.

tool to help researchers collect and manage data effectively and responsibly.

REDCAP HISTORY

THEN

2004: Created at Vanderbilt

2006: Global consortium

2011: University of Chicago

2011: CRI Created

2012: REDCap at UChicag









> '

Worldwide:

6,361 institutions

151 countries

1.7M projects

2.4M users

UChicago:

13,469 projects

9,972 users





Introduction to REDCap 2/21/23

Beyond the REDCap Basics (TBD)

All About REDCap Surveys (TBD)

http://cri.uchicago.edu/seminar-series/

SEMINARS TOPICS

Project Setup

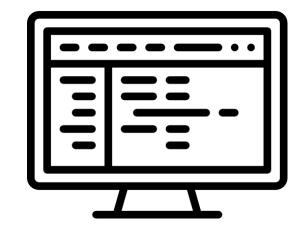
- Creating a Project
- Adding and Editing Fields
- Optional Modules and Customizations
- Testing your Project
- Moving to Production

Using Surveys

- Creating Surveys
- Sending and Tracking Surveys
- Survey Features

Applications & Tools

- Data Import Tool
- Data Exports
- Smart Devices
- User Rights and DAGs
- Help Resources



Project Setup

WHAT ARE THE ADVANTAGES?

Accessible

- web-based access (on and off campus)
- access for multi-site collaborations

Customizable

- fast and flexible to design
- modifications at anytime

Accurate

- ensures consistent and accurate data entry
- data quality checks to look for errors

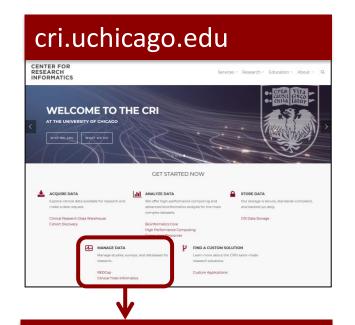
Secure

- user authentication against BSDAD or UCHAD
- nightly backups, weekly vulnerability scans

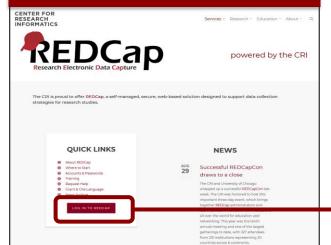
Free!

• includes training, design guidance, troubleshooting

HOW TO FIND REDCAP



cri.uchicago.edu/redcap



redcap.uchicago.edu



Log In





NEW USERS:

Log in with either your **BSDAD** or **UCHAD** account (*use only one account*). If you do not have either account, a sponsor may request an account for you by filling out the <u>CRI Collaborator Account Request Form</u>. Please follow up with our <u>CRI Help Desk</u> on this request. Also, CNET accounts DO NOT allow access to REDCap.

EXTERNAL ACCOUNTS:

To request accounts for **external collaborators** from other institutions, fill out the <u>CRI Collaborator Account Request Form.</u> Please follow up with our <u>CRI Help Desk</u> on this request.

ADDING A USER TO A PROJECT:

Please do not add the user's email address to the project's User Rights page, as this **will not work**. The user first needs to log into REDCap to register their account. You can then add them to your project's User Rights page at that point. Contact the <u>CRI REDCap</u> Administrator for further help.

SUSPENDED ACCESS:

If REDCap states your account is **suspended** upon log in, contact the <u>CRI REDCap Administrator</u> to have your access unsuspended. Access is suspended after one year of no login activity.

PASSWORD HELP:

If you need password help, contact the appropriate help desk below and ask for a password reset for either your BSDAD, UCHAD, or CRI collaborator account:

BSDAD/UCHAD Accounts	CRI Collaborator Accounts
CBIS Service Desk	CRI Help Desk
help@bsd.uchicago.edu	access@rt.cri.uchicago.edu
773-702-3456	773-834-8475

Please log in with your user name and password. If you are having trouble logging in, please contact <u>University of Chicago REDCap Support</u>.



Username:	
Password:	

LOGGING INTO REDCAP



Log In





HELPFUL -

NEWEST FEATURES: REDCap was upgraded on 8/10/21 to version LTS 11.1.7. Details of the newest features and improvements can be found here.

COVID RESOURCES: We want to encourage and support your use of REDCap for COVID-19 related research, tracking, and monitoring. Visit our <u>resources page</u> for more information.

ELECTRONIC CONSENT: Use of Electronic Consent (e-consent) has been approved by the BSD Office of Clinical Research. Visit our e-consent page for more information.

REQUESTING HELP: If you need help with REDCap functionality, contact the <u>UChicago REDCap Administrator</u>. Please do not use REDCap Messenger to request help, as those messages will not be forwarded to the REDCap help ticketing system.

NEW USERS: Log in with either your BSDAD or UCHAD account (use only one account). CNetID accounts DO NOT allow access to REDCap.

EXTERNAL ACCOUNTS: To request accounts for users from external collaborating institutions, fill out the <u>BSDIS Collaborator Account Request Form</u>. The <u>BSDIS Help Desk</u> will follow up on this request.

GRANTING USER PROJECT ACCESS: Please do not add the user's email address to your project's User Rights page, as this will not work. The user first needs to log into REDCap to set up their profile. You will then be able to grant them access via your project's User Rights page.

SUSPENDED ACCESS: If REDCap states your account is suspended upon log in, contact the <u>UChicago REDCap Administrator</u> to have your access unsuspended. Access is auto-suspended after one year of no login activity.

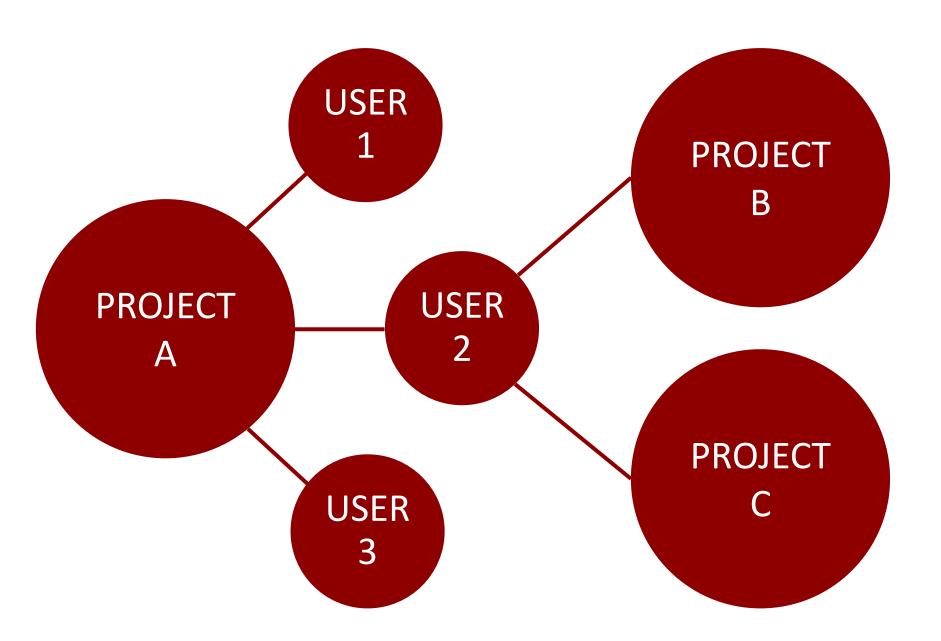
PASSWORD HELP: Passwords cannot be reset in REDCap. Please contact the following help desks depending on your account type:

- BSDAD or UCHAD accounts- visit the <u>UCMIT Password Reset Self-Service</u> site. If you need further help, email UCMIT at ucmitservicedesk@uchicagomedicine.org or call 773-702-3456.
- t.cri or t-9 accounts visit the BSDIS Password Reset Self-Service site (choose the BSDAD domain). If you need further help, email BSDIS at <u>bsdis@bsd.uchicago.edu</u> or call 773-834-4000.

Please log in with your user name and password. If you are having trouble logging in, please contact SEE HELP SECTION ABOVE.

BSDAD	\longrightarrow	Username:	
or		Password:	
UCHAD		Lo	g In

ACCESS EXPLAINED





Training Videos Navigational Bar





☐ Training Videos

Logged in as t.cri.redcap1

Welcome to REDCap!

REDCap is a mature, secure web application for building and managing online surveys and databases. Using REDCap's stream-lined process for rapidly developing projects, you may create and design projects using 1) the online method from your web browser using the Online Designer; and/or 2) the offline method by constructing a 'data dictionary' template file in Microsoft Excel, which can be later uploaded into REDCap. Both surveys and databases (or a mixture of the two) can be built using these methods.

REDCap provides automated export procedures for seamless data downloads to Excel and common statistical packages (SPSS, SAS, Stata, R), as well as a built-in project calendar, a scheduling module, ad hoc reporting tools, and advanced features, such as branching logic, file uploading, and calculated fields.

Learn more about REDCap by watching a 🚷 brief summary video (4 min). If you would like to view other quick video tutorials of REDCap in action and an overview of its features, please see the Training Resources page.

Please note that any publication that results from a project utilizing REDCap should cite grant support (NIH CTSA UL1 TR000430).

NOTICE: If you are collecting data for the purposes of human subjects research, review and approval of the project is required by your Institutional Review Board.

If you require assistance or have any questions about REDCap, please contact University of Chicago REDCap Support.

REDCap Features

Build online surveys and databases quickly and securely - Create and design your project rapidly using secure web authentication from your browser. No extra software is required.

Fast and flexible - Conception to productionlevel survey/database in less than one day.

Export data to common data analysis packages - Export your data to Microsoft Excel, PDF, SAS, Stata, R, or SPSS for analysis.

Ad Hoc Reporting - Create custom queries for generating reports to view or download.

Scheduling - Utilize a built-in project calendar and scheduling module for organizing your events and appointments.

Easily manage a contact list of survey respondents or create a simple survey link -Build a list of email contacts, create custom email invitations, and track who responds, or you may also create a single survey link to email out or post on a website.

TRAINING VIDEOS



□ REDCap Training Videos

Just Getting Started?

Explore these overviews of fundamental concepts and features.

Title	Description	Watch Video
Brief Overview	A quick summary of what REDCap is and what it can do.	4 minutes
Detailed Overview	This video provides an overview of basic functions and features within a REDCap project. It will serve as a starting point for learning about the basic concepts of REDCap, what REDCap projects are, how to create them, and how to use them.	14 minutes
Data Entry Overview	A focused exploration of basic data entry workflow. Suitable for training data entry staff.	19 minutes

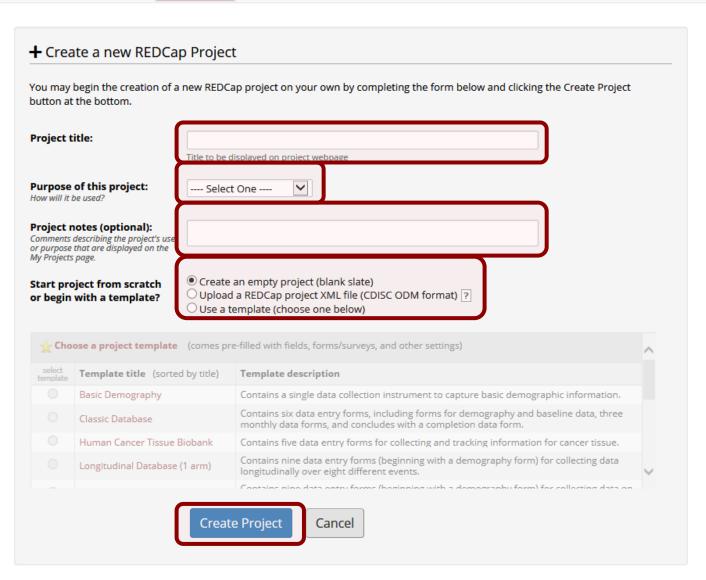
Building a Project

Learn how to build and modify data collection instruments.

Title	Description	Watch Video
Introduction to Instrument Development	An introduction to the Online Designer and Data Dictionary methods of instrument development.	6 minutes
Online Designer	This online tool is the quickest and most intuitive method for making instrument modifications.	5 minutes

CREATE A PROJECT

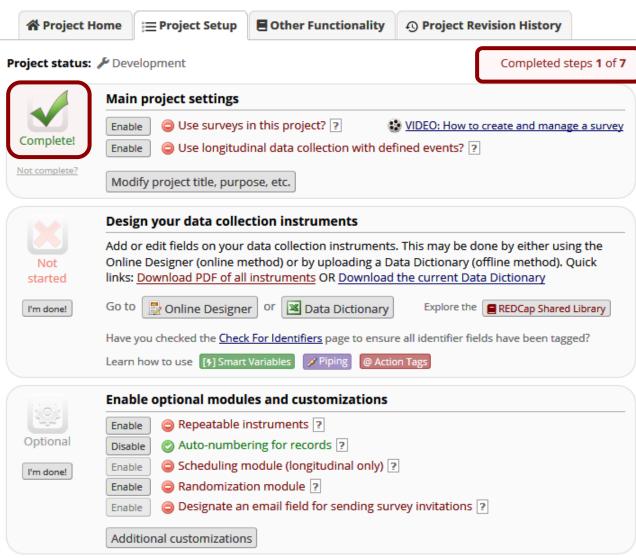




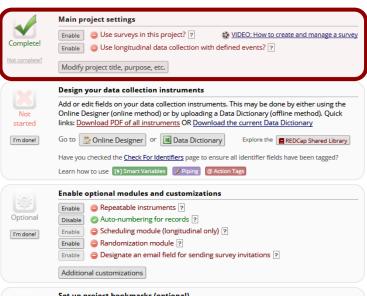
PROJECT SETUP STEPS



Training Project



STEP 1: MAIN PROJECT SETTINGS



Set up project bookmarks (optional)

You may create custom bookmarks to webpages that exist inside or outside of REDCap. These bookmarks will be seen as links on the left-hand project menu and can be accessed at any time by users who are given privileges to do so. Every project bookmark has custom settings that allow one to control its appearance and behavior.

Go to Add or edit bookmarks

I'm done!

I'm done!

I'm done!

User Rights and Permissions

You may grant other users access to this project or edit the user privileges of current users on this project by navigating to the User Rights page. Additionally, if you wish to limit user access to certain records/responses for this project, you may want to use Data Access Groups, in which only users within a given Data Access Group can access records created by users within

Go to User Rights or Data Access Groups

Test your project thoroughly

It is important to test the essential components of your project before moving it into production. Try creating a few test records and entering some data for each to ensure that your data collection instruments look and behave how you expect, especially branching logic and calculations. Then review your test data by creating reports and exporting your data to view in Excel or a statistical analysis package. If you have surveys, complete the surveys as if you were a participant by using the Public Survey Link or Participant List by sending a survey invitation to yourself. If other project modules will be used regularly, test them out a bit too. The best way to test your project is to use it as if you were entering real production data, and it is always helpful to have colleagues (especially team members) take a look at your project to get a fresh set of eyes looking at it.

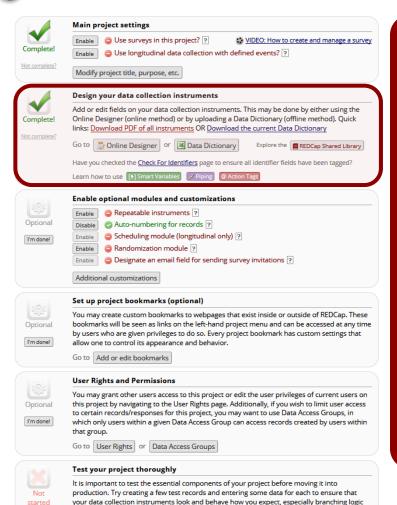
Move your project to production status

Move the project to production status so that real data may be collected. Once in production, you will not be able to edit the project fields in real time anymore. However, you can make edits in Draft Mode, which will be auto-approved or else might need to be approved by a REDCap administrator before taking effect.

Go to Move project to production

- Modify project title, purpose, etc.
- **Enable surveys**
- **Enable longitudinal data** collection

STEP 2: DATA COLLECTION INSTRUMENTS



- Online Designer
- Data Dictionary*
- Shared Library (Global)
- Special Features*
 - Smart Variables
 - Piping
 - Action Tags
- * (covered in next seminar)

Move your project to production status

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Go to Move project to production

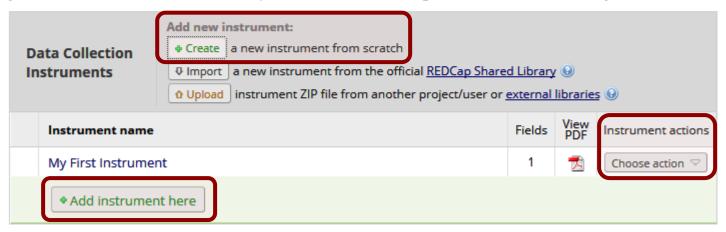
get a fresh set of eyes looking at it.

I'm done!

ONLINE DESIGNER



The Online Designer will allow you to make project modifications to fields and data collection instruments very easily using only your web browser. NOTE: While in development status, all field changes will take effect immediately in real time.



RECORD IDENTIFIER



Ready to add fields

You may now begin adding fields to your data collection instrument below using the Online Designer. Alternatively, you may build your fields in the Data Dictionary (offline method) by clicking its tab above.

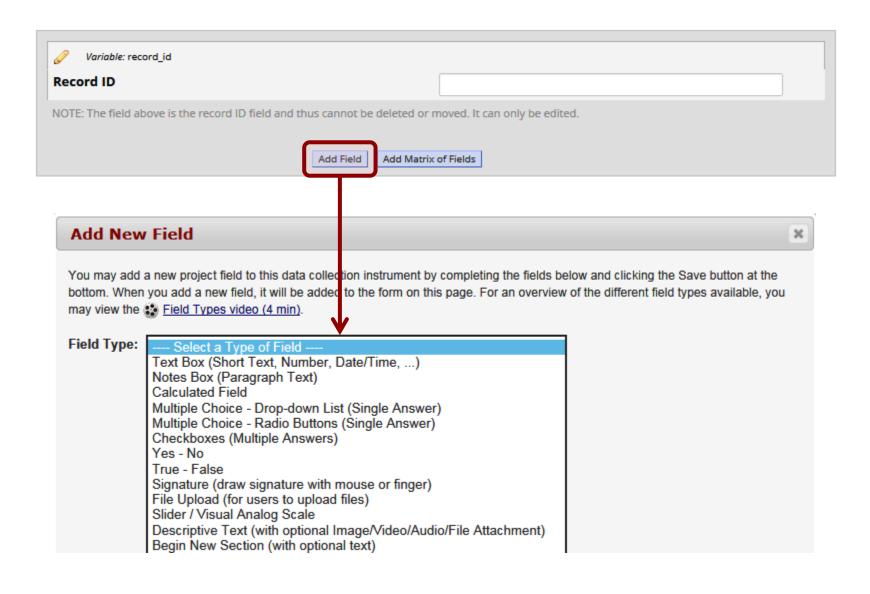
This module will allow you to create new data collection instruments/surveys or edit existing ones. Changes may be made by either using the **Online Designer** or **Upload Data Dictionary** (see tabs above), in which you may use either method or both. The Online Designer may help you get some initial fields/forms built quickly or to make quick edits, but using the Data Dictionary file may be more helpful if you will be adding a large number of fields for this project.

This page allows you to build and customize your data collection instruments one field at a time. You may add new fields or edit existing ones. New fields may be added by clicking the Add Field buttons. You can begin editing an existing field by clicking on the **Edit** icon. If you decide that you do not want to keep a field, you can simply delete it by clicking on the **X Delete** icon. To reorder the fields, simply **drag and drop** a field to a different position within the form below. NOTE: While in development status, all field changes will take effect immediately in real time. Are you using Action Tags yet? If not, learn about Action Tags here.

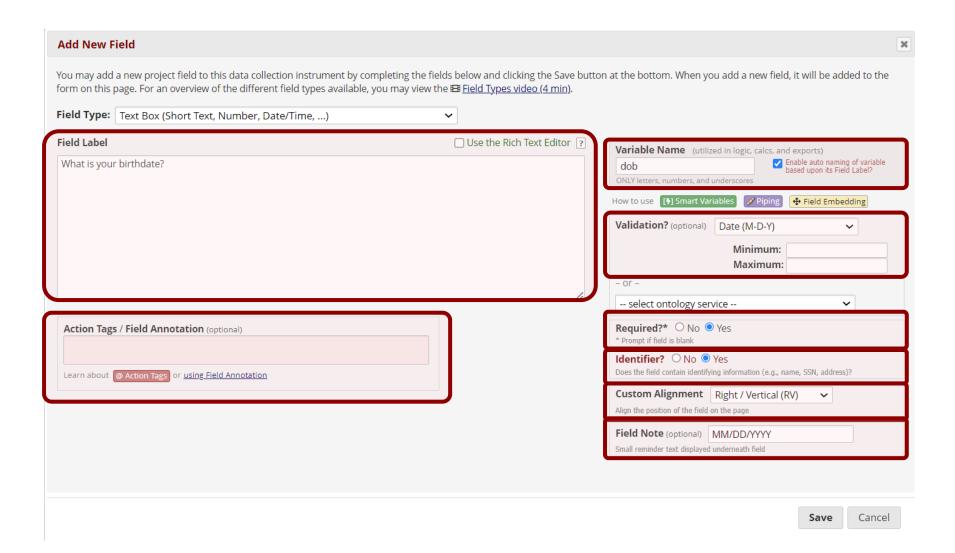
Return to list of instruments

Current instrument: My First Instrument Variable: record_id Record ID NOTE: The field above is the record ID field and thus cannot be deleted or moved. It can only be edited. Add Field Add Matrix of Fields

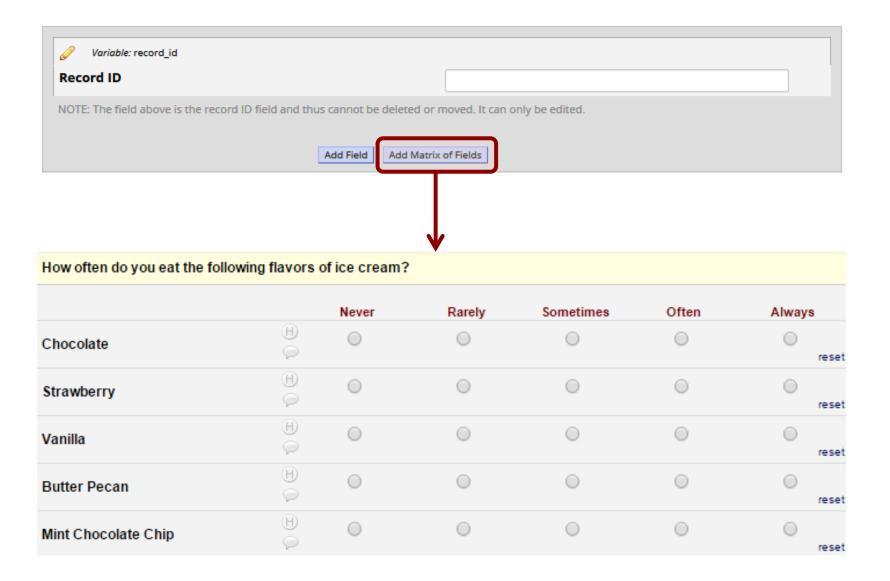
FIELD TYPES



FIELD DESIGN



MATRIX OF FIELDS

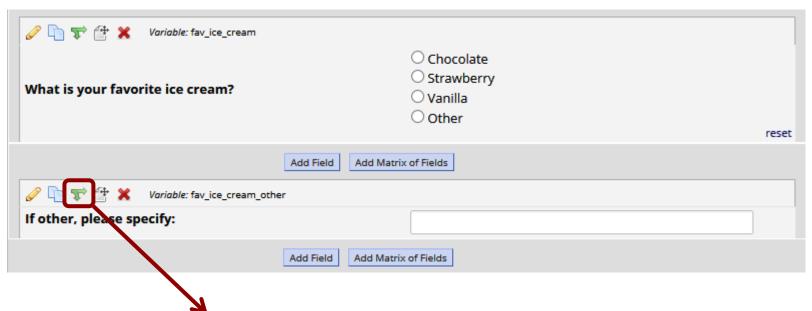


EDIT/COPY/MOVE/DELETE FIELDS

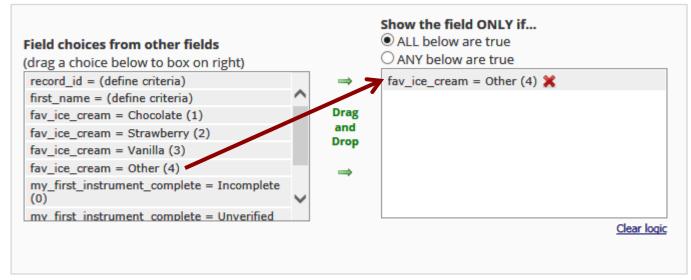
Current instrument: My First Instrument Variable: record_id Record ID NOTE: The field above is the record ID field and thus cannot be deleted or moved. It can only be edited. Add Field Add Matrix of Fields Add Field Add Field Add Matrix of Fields

- pencil = edit
- documents = copy
- green arrows = branching logic
- document w/arrows = move
- red x = delete

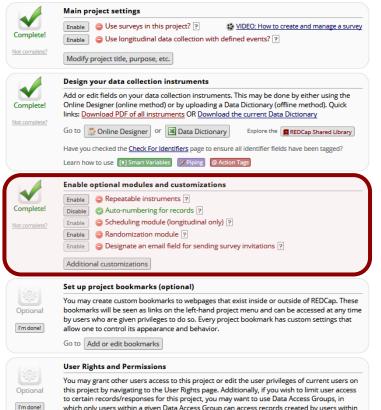
BRANCHING LOGIC



Drag-N-Drop Logic Builder



STEP 3: OPTIONAL MODULES & CUSTOMIZATIONS



which only users within a given Data Access Group can access records created by users within

Go to User Rights or Data Access Groups



I'm done!

Test your project thoroughly

It is important to test the essential components of your project before moving it into production. Try creating a few test records and entering some data for each to ensure that your data collection instruments look and behave how you expect, especially branching logic and calculations. Then review your test data by creating reports and exporting your data to view in Excel or a statistical analysis package. If you have surveys, complete the surveys as if you were a participant by using the Public Survey Link or Participant List by sending a survey invitation to yourself. If other project modules will be used regularly, test them out a bit too. The best way to test your project is to use it as if you were entering real production data, and it is always helpful to have colleagues (especially team members) take a look at your project to get a fresh set of eyes looking at it.



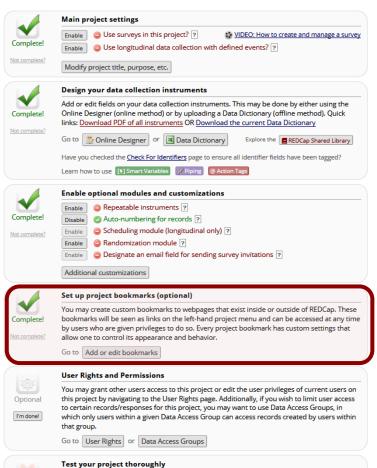
Move your project to production status

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Go to Move project to production

- Repeatable Instruments*
- **Auto-numbering IDs**
- Scheduling (Longitudinal)*
- Randomization*
- Designate an email for survey invitations*
- (covered in next seminar)

STEP 4: PROJECT BOOKMARKS (OPTIONAL)



- Custom bookmarks
- Appear in Applications menu on the left
- Accessible by all project users
- Example:
 - Department website
 - External website
 - Other projects

Not

I'm done!

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Move the project to production status so that real data may be collected. Once in production, you will not be able to edit the project fields in real time anymore. However, you can make edits in Draft Mode, which will be auto-approved or else might need to be approved by a REDCap administrator before taking effect.

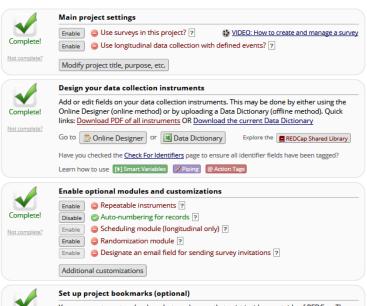
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Go to Move project to production

get a fresh set of eyes looking at it.

STEP 5: USER RIGHTS





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Go to Add or edit bookmarks



Not complete?

User Rights and Permissions

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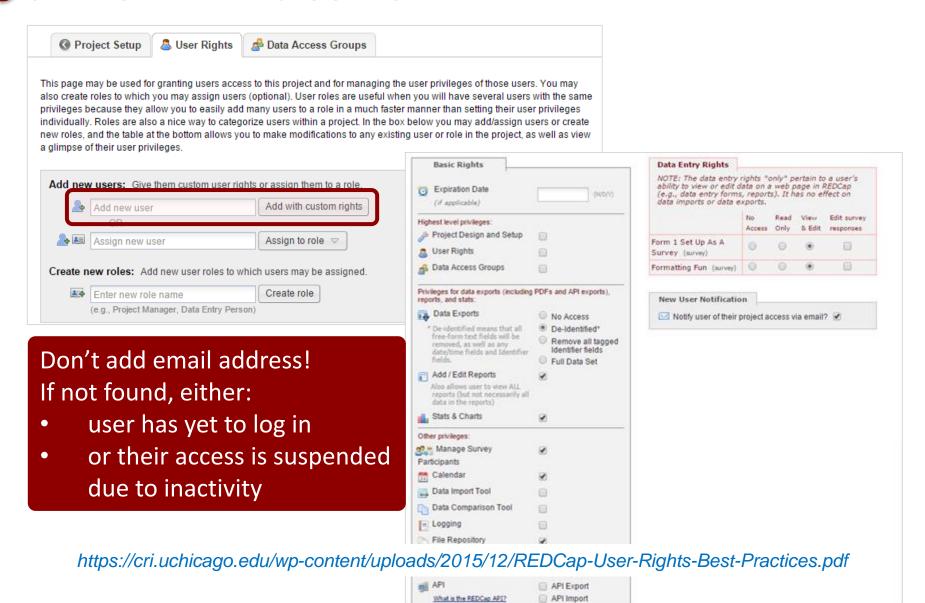
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Go to Move project to production

- User Rights add users with custom user rights
- Data Access Groups for multi-site studies

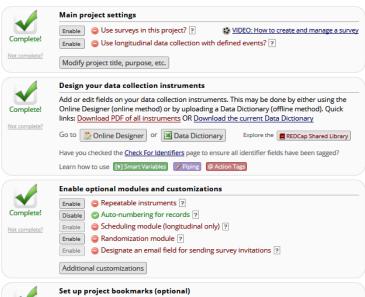
STEP 5: ADDING USERS



Add user

Cancel

STEP 6: TEST YOUR PROJECT



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Complete!

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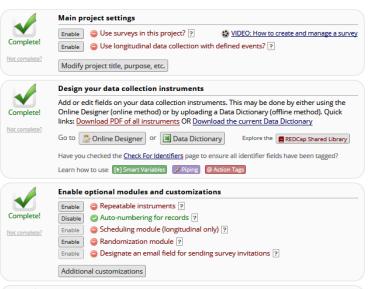
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Go to Move project to production

- Enter test records
- Test branching logic
- Test calculations
- Create reports
- Export test data
- Have colleagues review project as well

STEP 7: MOVE TO PRODUCTION





Set up project bookmarks (optional)

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Go to Add or edit bookmarks



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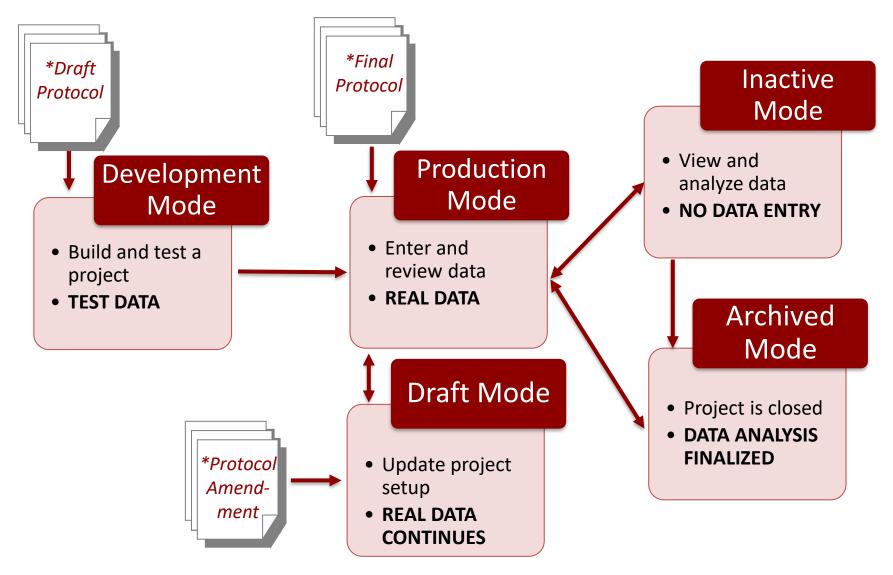
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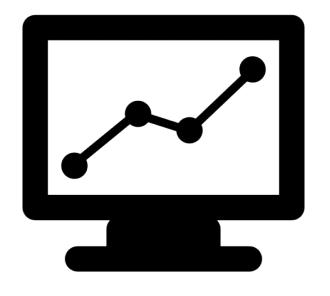
Go to Move project to production

- Request test data deletion
- Wait for confirmation email from Administrator before collecting real data!

PROJECT TIMELINE AND MODES



^{*}if IRB approval required



Longitudinal Data Collection

WHAT IS CLASSIC DATA COLLECTION?

Data Collection Instruments
Collected Once Over Time

Data Collection Instrument

Demographics

Baseline Data

Month 1 Data

Month 2 Data

Month 3 Data

Completion Data

WHAT IS LONGITUDINAL DATA COLLECTION?

Repeatable Over Time (Events)

Data Collection Instrumen	نب
Collection Instru	
Collection Instru	<u>a</u>
Collection Instru	$\underline{\Psi}$
Collection Instru	\Box
Collection Instru	
Collection In	\Box
Collection In	
Collection In	ب
Collection In	S
Collection In	
Collectic	
Collectic	
Collectic	
Colle	\overline{C}
Colle	.≌
Colle	البا
Colle	ان
	a
ŏ	<u></u>
ŏ	=
	()
Data	
Data	Œ
Dai	
Ö	$\overline{\mathbf{x}}$
	~~

S

Data Collection Instrument	Baseline (1)	Visit 1 (2)	Visit 2 (3)	Visit 3 (4)	Final Visit
Demographics	4				
Baseline Data	✓				
Monthly Data		4	4	4	
Completion Data					V

CLASSIC VS LONGITUDINAL DATA COLLECTION

CLASSIC

- Only uses instruments.
- Doesn't use events.
- Create an instrument for each time point.

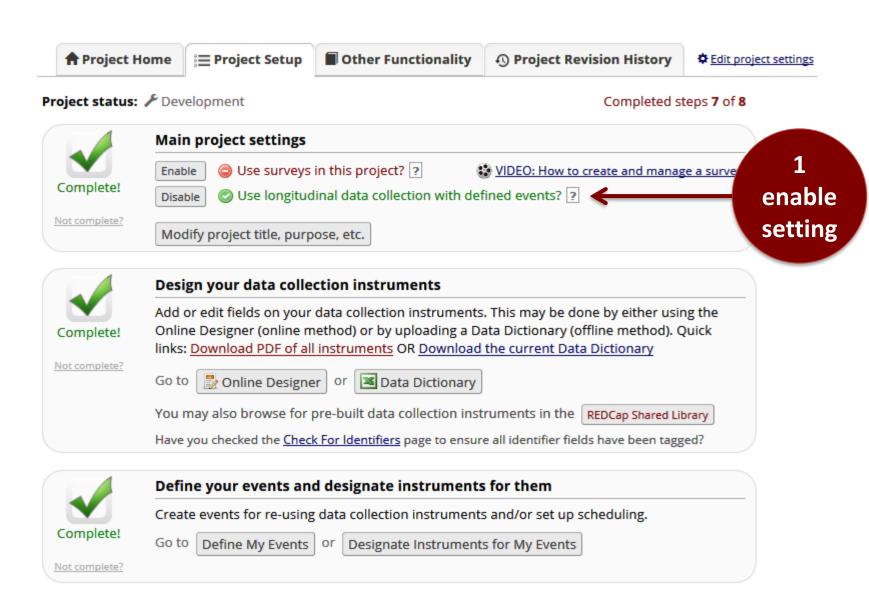
Data Collection Instrument
Demographics
Baseline Data
Month 1 Data
Month 2 Data
Month 3 Data
Completion Data

LONGITUDINAL

- Uses instruments.
- Uses events.
- Repeat instruments using events.

Data Collection Instrument	Baseline	Visit 1 (2)	Visit 2 (3)	Visit 3 (4)	Final Visit
Demographics	4				
Baseline Data	V				
Monthly Data		V	V	V	
Completion Data					✓

HOW TO ENABLE LONGITUDINAL DATA COLLECTION



HOW TO ENABLE LONGITUDINAL DATA COLLECTION

Project Setup

Define My Events

Designate Instruments for My Events

This application allows you to define 'events' for your project that allow for the **utilization of data collection forms multiple times for any given project record** (often used when collecting longitudinal data). An 'event' may be a temporal event in the course of your project, such as a participant visit or a task to be performed. After events have been defined, you will need to designate the data collection instruments that you wish to utilize for any or all events, thus allowing you to use a form for multiple events for the same project record. You may **group your events into 'arms'**, in which you may have one or more arms/groups for your project. Each arm can have as many events as you wish. You may use the table below to create new events and/or arms, or modify existing ones. (One arm and one event will be initially defined as the default for all projects.)

STEP #1:

To add new events below, provide an **Event Name** for that event, and then click the *Add new event*. Once events have been added, you can easily change their order by dragging and dropping the event using the up-down arrow icon on the far left for a given row in the table.

STEP #2:

Once you have defined your events on this page, you may navigate to the <u>Designate Instruments for My Events</u> page, where you may select which data collection instruments that you wish to utilize for each event you defined.

Arm 1: Arm 1 +Add New Arm

+Add New Arm

Arm name: Arm 1 Rename Arm 1



HOW TO ENABLE LONGITUDINAL DATA COLLECTION

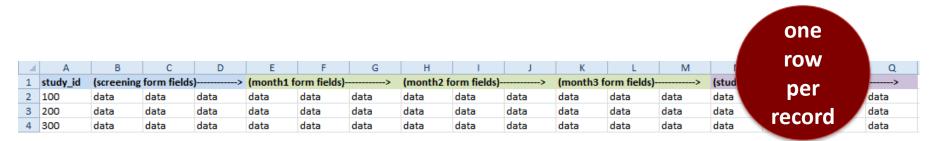


Since you have defined multiple events on the <u>Define My Events</u> page, you may now select which data collection instruments that you wish to utilize for each event by using the table below. This allows you to enter data on any data collection form multiple times for any given project record. Any and all data collection instruments can thus be used for any event defined.

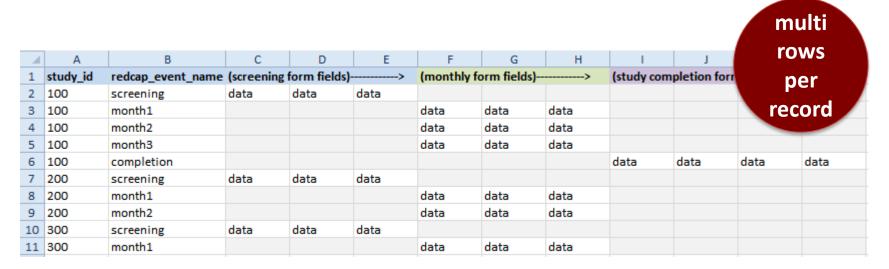
Click the *Begin Editing* button to change the relationships below by designating which forms you wish to utilize for which events. When you are finished making changes, click the *Save* button to finalize your changes.

DISPLAY AND REPORTING DIFFERENCES

Classic Project:

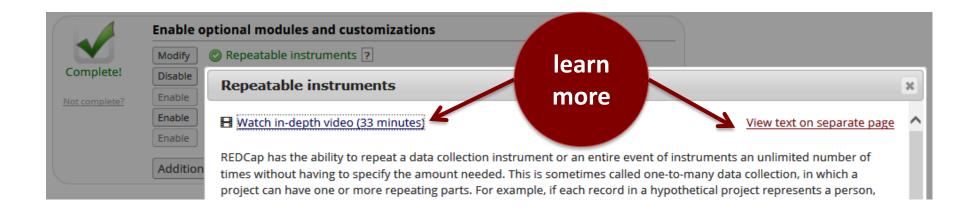


Longitudinal Project:



REPEATING INSTRUMENTS





REPEATING INSTRUMENTS

Classic Projects Longitudinal Projects

Survey Projects

Repeat Forms Repeat Forms and Events

Repeat Surveys



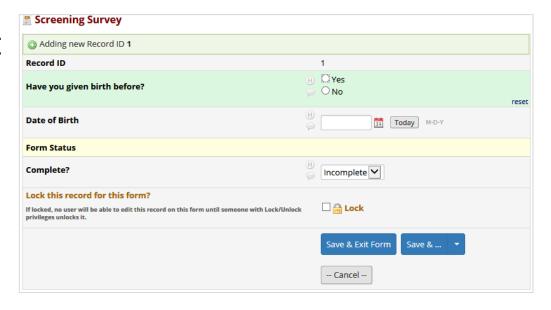
Creating Surveys

WHAT IS A SURVEY?

A REDcap survey is a "public" version of a (form) instrument that is completed by a study participant without having to log into REDCap.

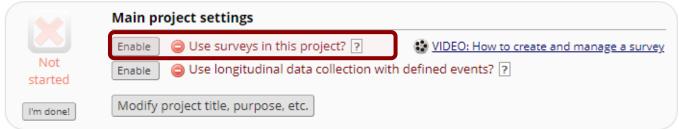
That same instrument can also be used by the study team as a data entry form when logged into REDCap.

Screening Survey		Resize font:
Please complete the survey below. Thank you!		
Have you given birth before?	○ Yes ○ No	reset
Date of Birth	Today M-D-Y	
	Submit	



CREATING AND ENABLING A SURVEY

Enable the survey feature (Project Setup tab).



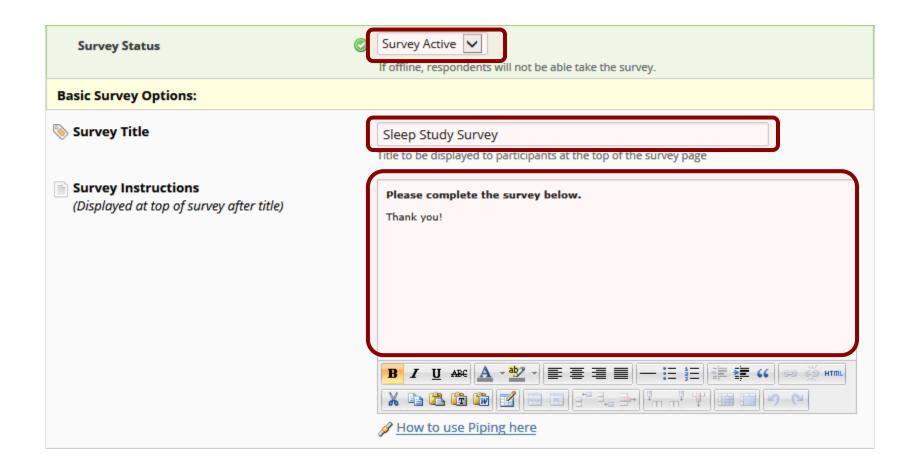
Create the instrument first.

ata Collection estruments	Survey options: ∷≣ Survey Queue	•	Create Import	a new instru		REDCap Shared Library (a) project/user or external libraries (a)
Instrument name		Fields	View PDF	Enabled as survey	Instrument actions	Survey-related options
Screening		3	灵	Enable	Choose action ▽	

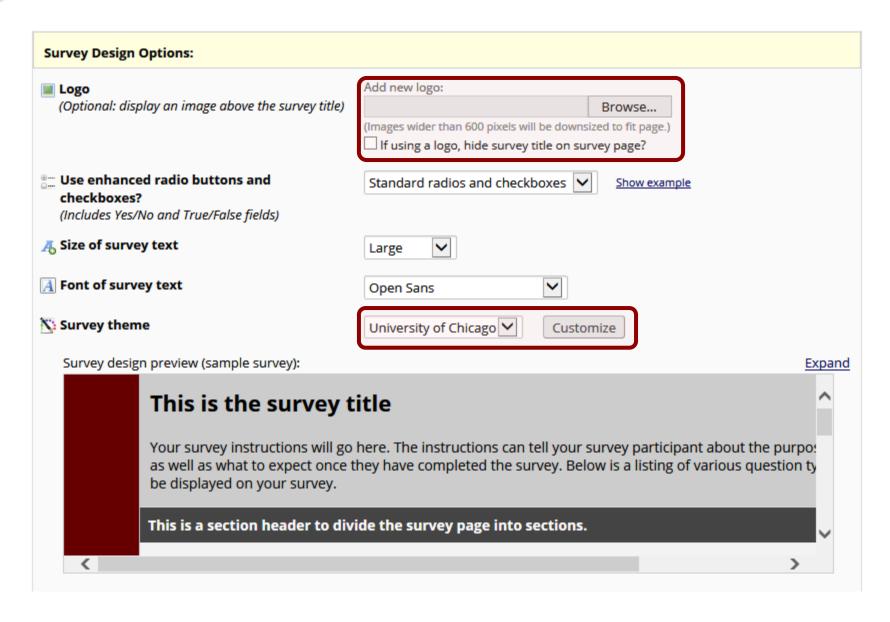
3 Enable the instrument as a survey.



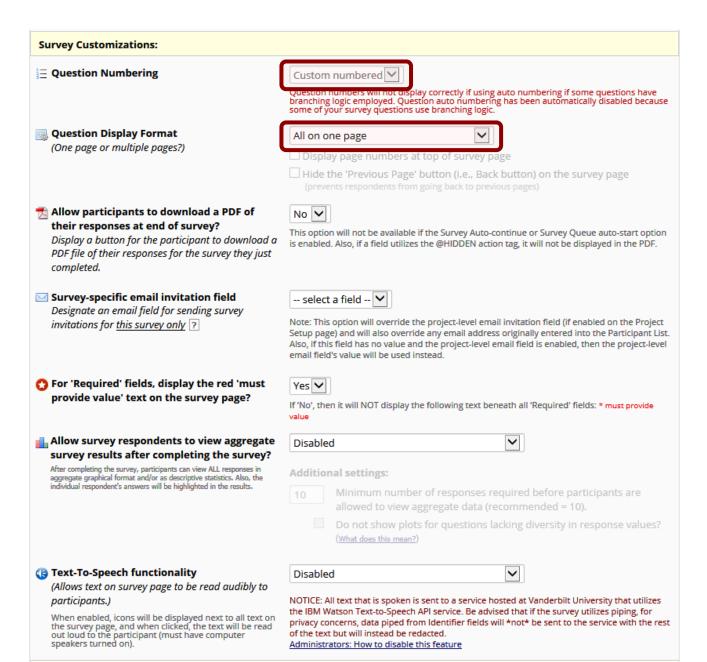
SURVEY SETTINGS



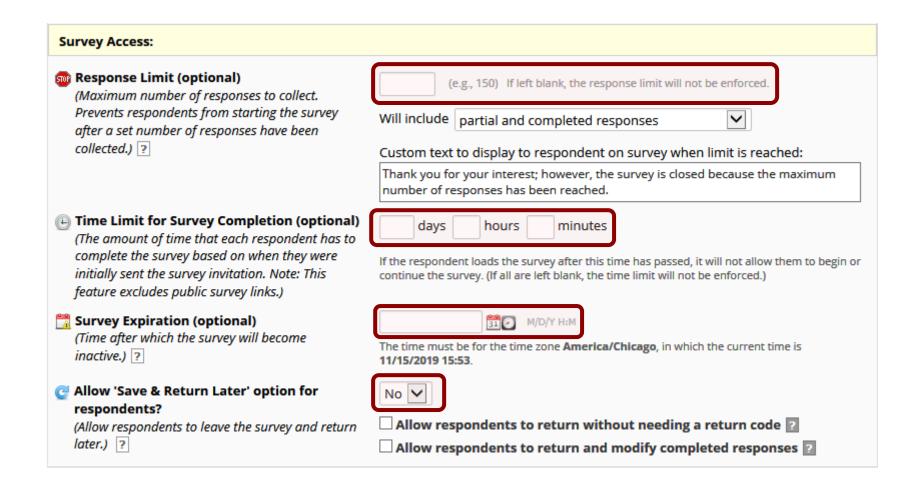
SURVEY DESIGN OPTIONS



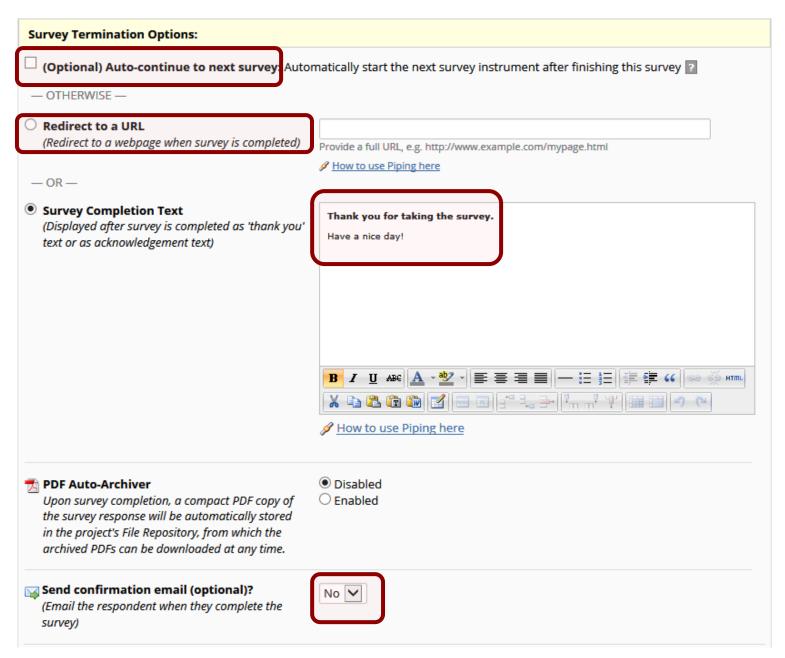
SURVEY CUSTOMIZATIONS



SURVEY ACCESS

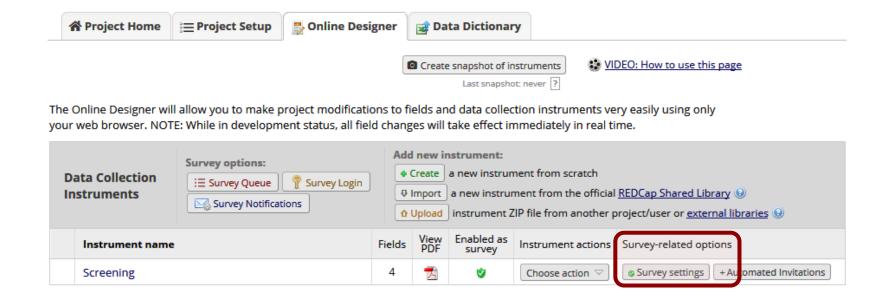


SURVEY TERMINATION OPTIONS

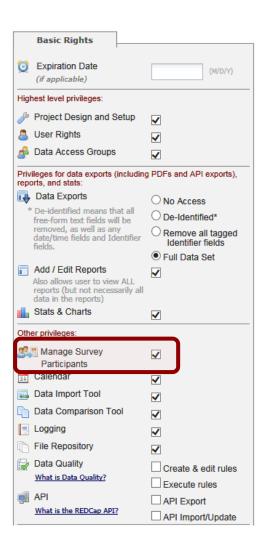


EDITING SURVEY SETTINGS

To edit your survey settings, click on **Survey Settings** under **Survey-related options**.



USER RIGHTS FOR MANAGING SURVEYS



To allow a study team member to manage surveys (add participants, send emails, etc), assign them the user right:

Manage Survey Participants

USER RIGHTS FOR EDITING SURVEYS



To allow a study team member to edit survey responses or delete surveys, assign them the user right called:

Edit Survey Responses

TESTING IS CRITICAL!

- Send yourself the survey just as you would sent it to your participants.
- Make sure all the settings and format are correct.
- Export the test data to preview your data analysis, and modify the survey questions if needed.
- Once testing is complete, request the project be moved to **production**.
- DO NOT SEND SURVEY EMAILS UNTIL PROJECT HAS BEEN MOVED TO PRODUCTION!



Sending Surveys

PUBLIC SURVEY LINK VS PARTICIPANT LIST

PUBLIC SURVEY LINK

Participant emails unknown beforehand.

Participants all use the same survey link.

Emails sent via Outlook, not within REDCap.

Great for listservs or posting on flyers or websites.

PARTICIPANT LIST

Participants emails known beforehand.

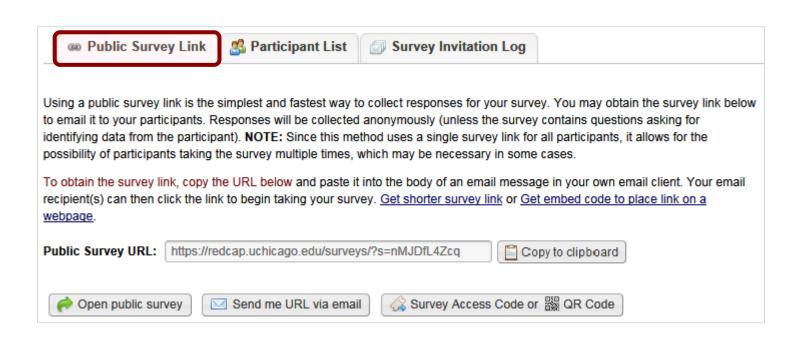
Each participant receives unique, one time use link.

Emails sent through REDCap to participant email address.

Can track who has or has not responded.

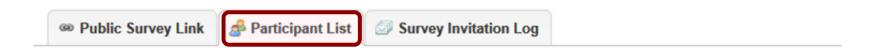
PUBLIC SURVEY LINK

The **Public Survey Link** is the simplest and fastest way to distribute a survey. The link can be published on a webpage, social media platforms, flyers, or sent in an email to a large group.

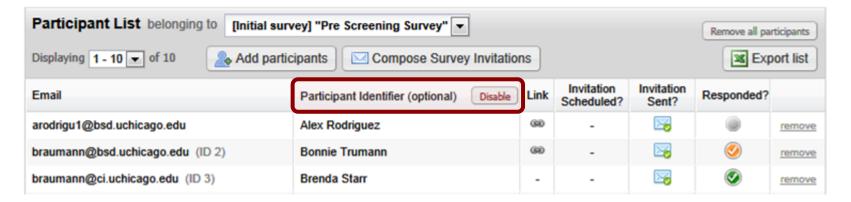


PARTICIPANT LIST

The **Participant List** allows for emailing the survey to your participants. It helps keep track of responses and non-responses.

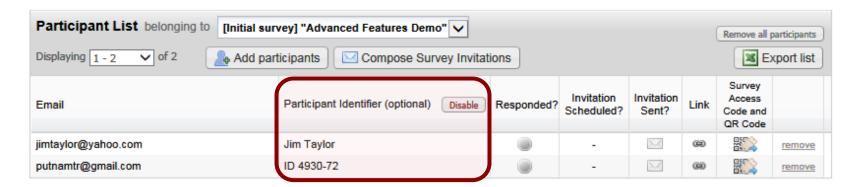


The Participant List option allows you to send a customized email to anyone in your list and track who responds to your survey. It is also possible to identify an individual's survey answers, if desired, by providing an Identifier for each participant (this feature must first be enabled by clicking the 'Enable' button in the table below). Unless an Identifier is used, all survey responses collected are considered anonymous. More details



PARTICIPANT IDENTIFIERS

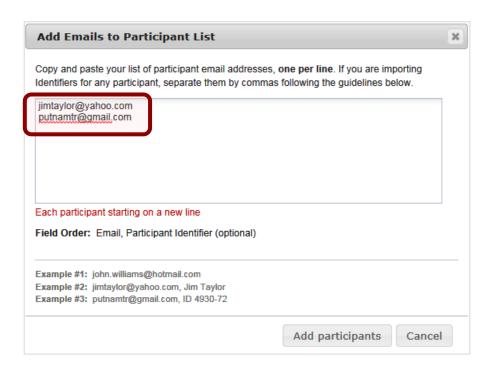
- To keep the survey anonymous, don't enable the Participant Identifier feature.
- To make the survey non-anonymous, enable the Participant Identifier feature.
- The Participant Identifier may be the participant's name, an ID number, or whatever you would like.
- It is **not the same** as the project's main primary identifier (Record Number, Record ID, Study ID, MRN).
- The Participant Identifier is can be exported along with the data.



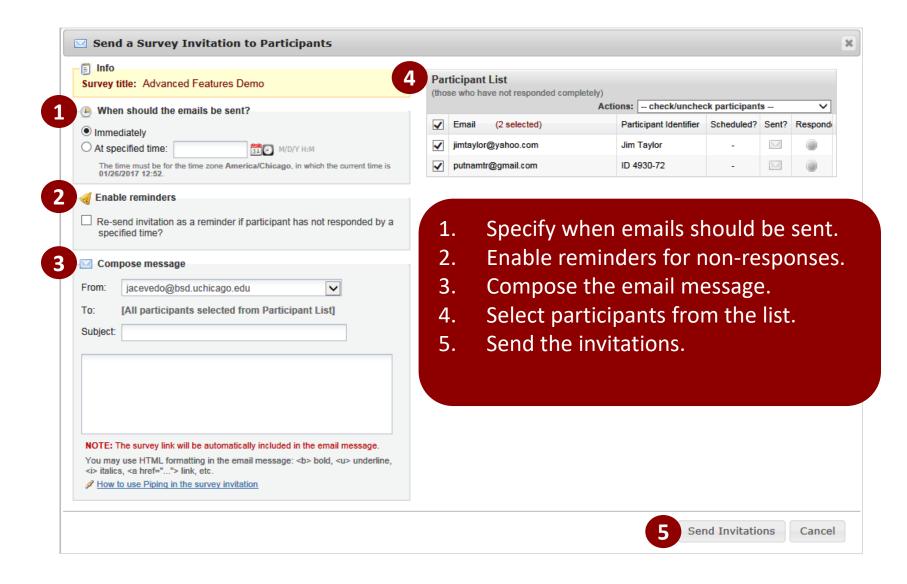
ADDING PARTICIPANTS TO PARTICIPANT LIST

There are different ways of adding participants' email addresses to the **Participant List**:

- For few participants, manually type in.
- For many participants, cut-and-paste in.

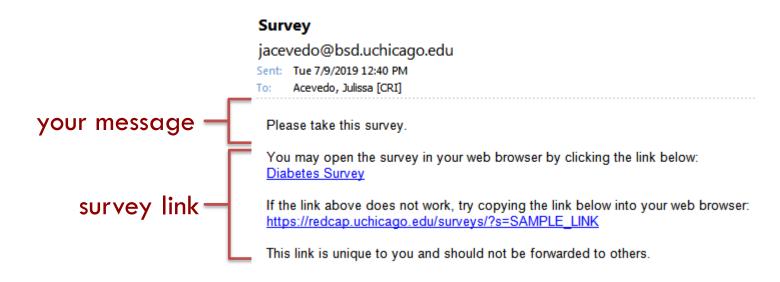


COMPOSE SURVEY INVITATIONS



SURVEY INVITATION MESSAGE AND LINK

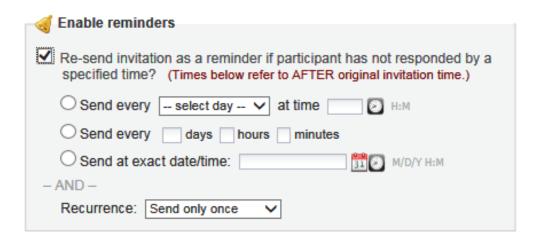
A section for the unique survey link will be appended to the end of your email message:



NOTE: You may modify or remove any text you wish above but make sure you include either [survey-link] or [survey-url] in the text or else the participant will not have a way to take the survey.

NON-RESPONSE REMINDERS

- Survey reminders can only be setup while composing survey invitations.
- They cannot be setup after invitations have been sent.
- They can be sent on specific days of the week, or every X days, or at an exact date/time.
- Up to 2-5 reminders can be scheduled.

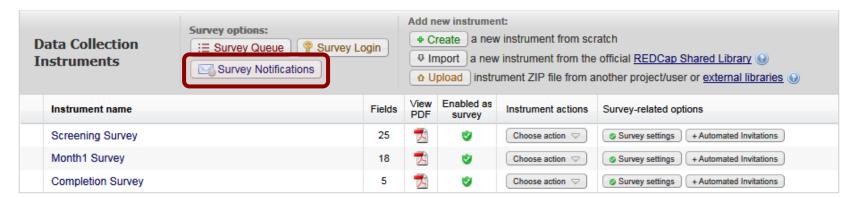




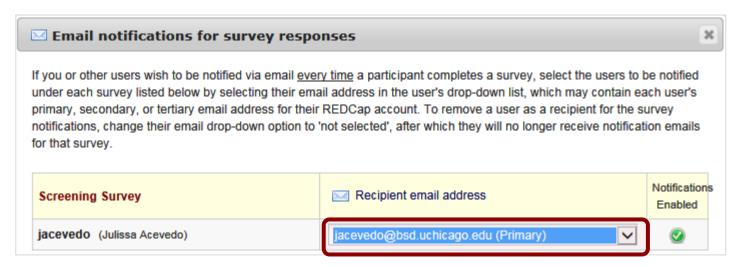
Tracking Surveys

SURVEY NOTIFICATIONS

Go to Online Designer and click on Survey Notifications.



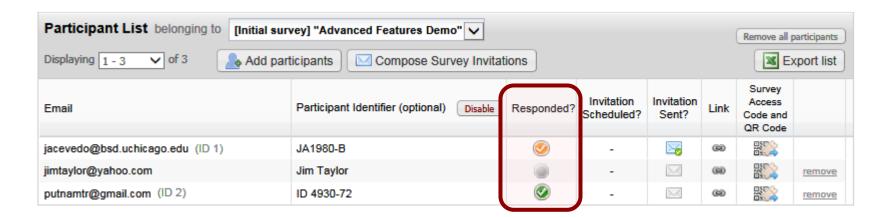
2 Select the survey and select the email address.



TRACKING SURVEYS VIA THE PARTICIPANT LIST

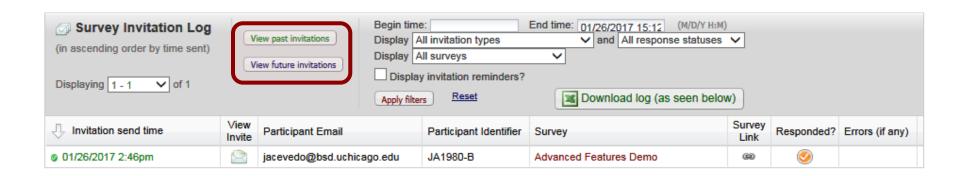
Surveys responses can be tracked on the **Participant List** according to:

- Complete participant submitted the survey
- Incomplete participant started but hasn't submitted the survey
- No Action participant has not started the survey



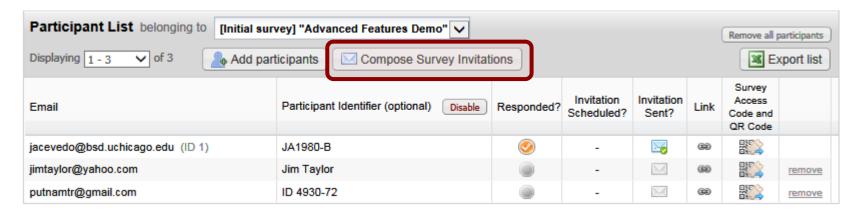
TRACKING SURVEYS VIA THE SURVEY INVITATION LOG

- The Survey Invitation Log lists survey invitations that have already been sent or have been scheduled to be sent to survey participants.
- You may even view the invitation email itself by clicking the icon in the 'View Email' column.

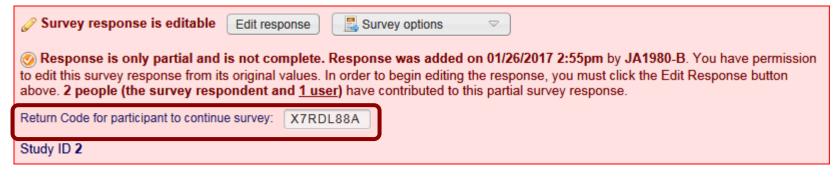


PARTIAL RESPONSES

For **Partial Responses**, you can use **Compose Survey Invitations** from the **Participant List** to send them a reminder email.

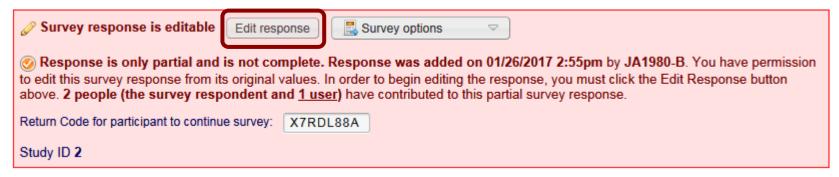


If participants don't remember their **Save-and-Return** code, you can retrieve it from their survey record.

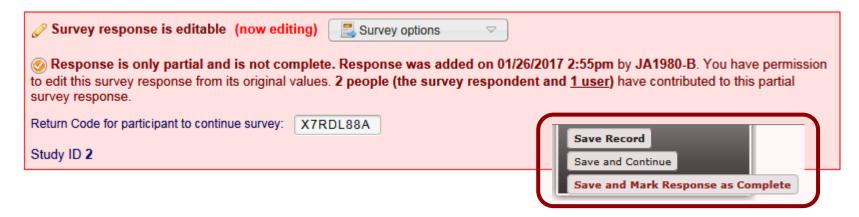


EDITING RESPONSES

- User must have Edit Survey Responses user rights.
- To edit a response, open record and click Edit Response at top of survey.



Make the changes, and save the record.



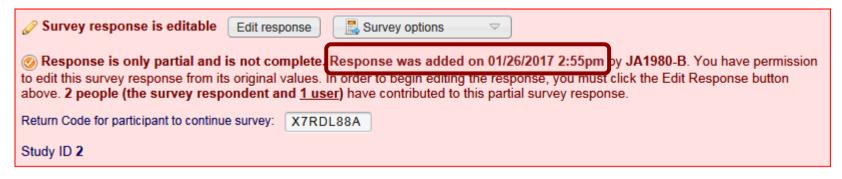
SURVEY TIMESTAMPS

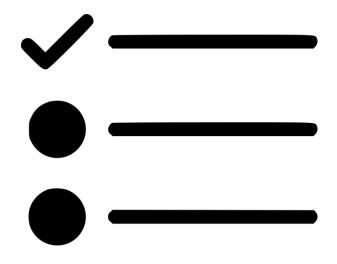
Survey responses get timestamped when the survey's **Submit** button is clicked on by the participant.

Timestamps appear on the Add/Edit record selector.

Complete Responses (6)	select response	•
	select response	
	1	1
	2 - 2014-08-06 12:07pm	

As well as the survey record.

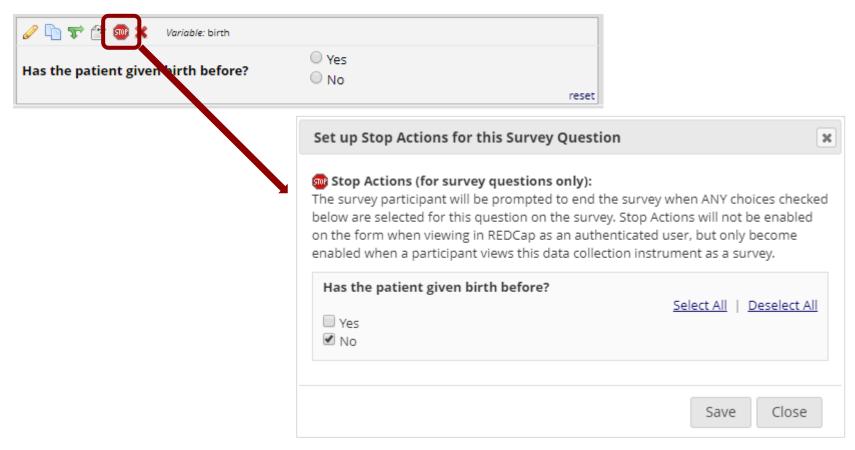




Survey Features

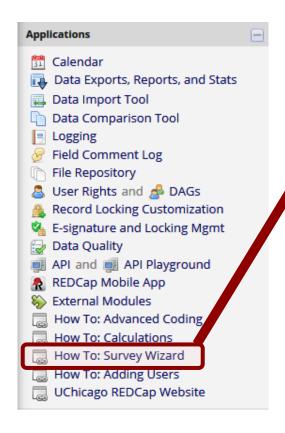
SURVEY STOP ACTION

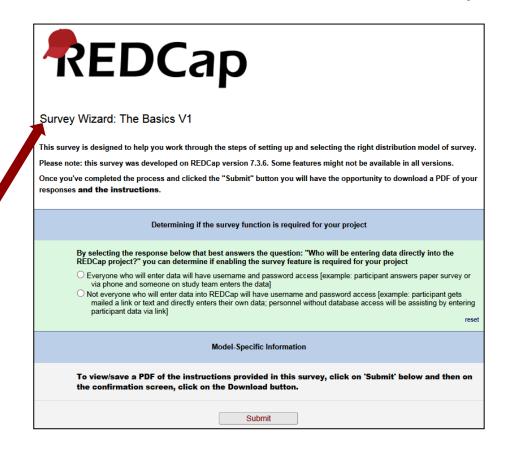
Stop Actions prompt the participant to end the survey when certain field choices are selected. Only selection fields have this option. Click the **Stop Sign icon** and select the stop choice.



SURVEY WIZARD

The **Survey Wizard** is located under the Applications menu. This survey is designed to help you work through the steps of setting up and selecting the right distribution model of survey.





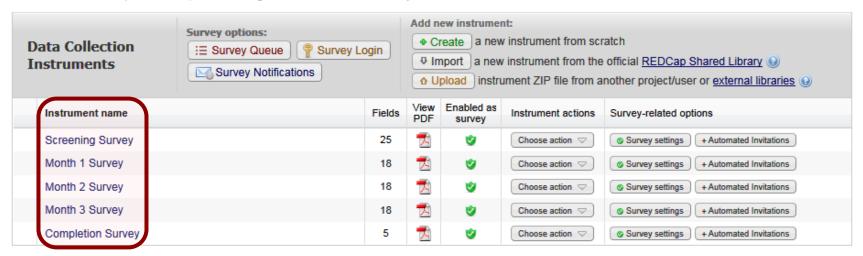


Create multiple surveys in the same project.



VIDEO: How to use this page

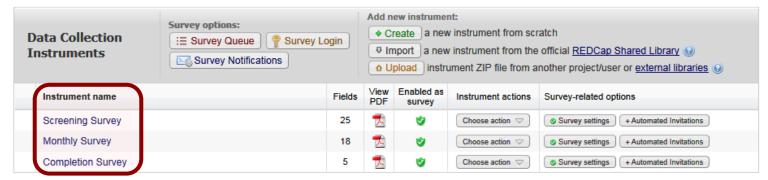
The Online Designer will allow you to make project modifications to fields and data collection instruments very easily using only your web browser. NOTE: While in development status, all field changes will take effect immediately in real time.



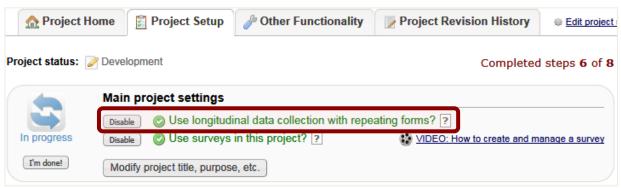
LONGITUDINAL SURVEYS

Instead of creating the same survey as multiple instruments, the survey can be made repeatable.

Setup the survey instruments.

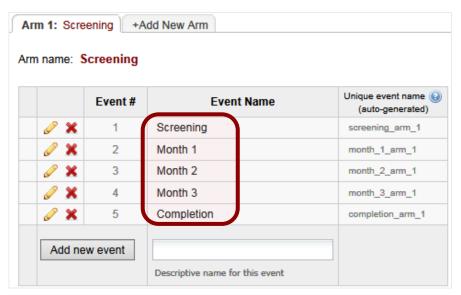


Enable the longitudinal feature.



LONGITUDINAL SURVEYS

3 Setup the events.



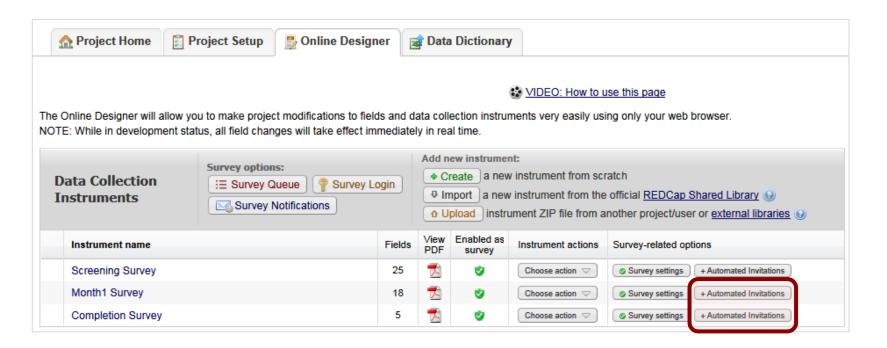
4 Assign the surveys to the events.

Data Collection Instrument	Screening (1)	Month 1 (2)	Month 2 (3)	Month 3 (4)	Completion (5)
Screening Survey (survey)	V				
Monthly Survey (survey)		4	V	V	
Completion Survey (survey)					~

AUTOMATED SURVEY INVITATIONS

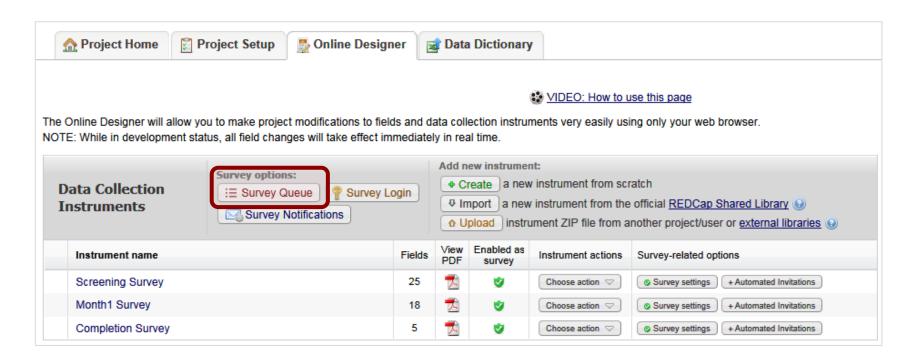
ASIs are similar to composing email invitations, but instead the invites are sent automatically when:

- An earlier survey is completed -or-
- A condition is met



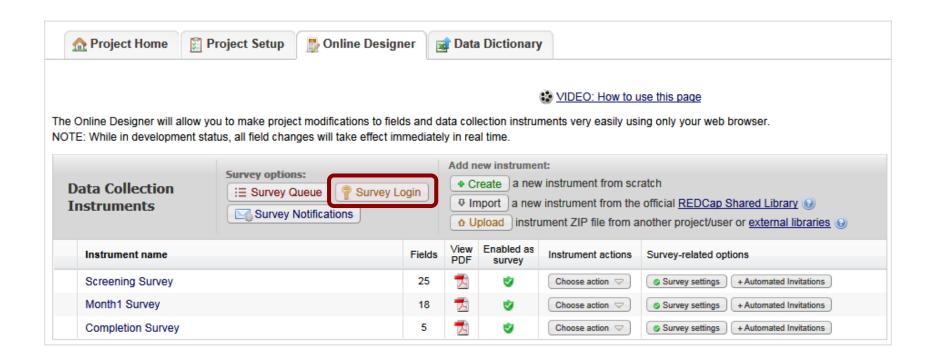
SURVEY QUEUES

The **Survey Queue** is a survey packaging option. It allows for chaining together multiple surveys like a to-do list (using optional logic too).



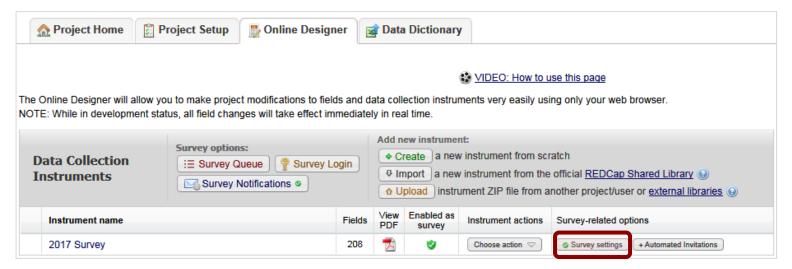
SURVEY LOGINS

The **Survey Login** requires participants to log into the survey before viewing it and completing it.



INACTIVATE A SURVEY

At Online Designer, click on Survey Settings.



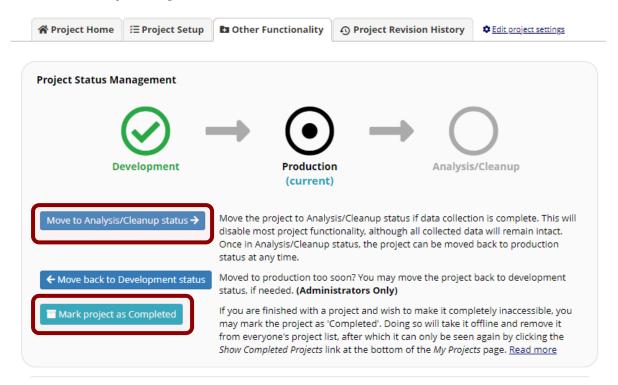
2 At Survey Status, set to Survey Offline.



MARK PROJECT AS COMPLETED

Go to **Other Functionality** tab, and either:

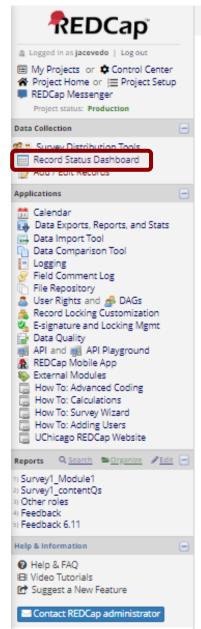
- Move to Analysis/Cleanup data collection over, project is accessible
- Mark project as Completed entire study is over, project is hidden





Additional Features

RECORD STATUS DASHBOARD

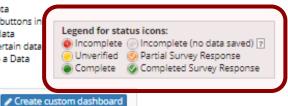


ECE Pilot Study

Record Status Dashboard (all records)

Dashboard displayed: [Default dashboard]

Displayed below is a table listing all existing records/responses and their status for every data collection instrument (and if longitudinal, for every event). You may click any of the colored buttons in the table to open a new tab/window in your browser to view that record on that particular data collection instrument. Please note that if your form-level user privileges are restricted for certain data collection instruments, you will only be able to view those instruments, and if you belong to a Data Access Group, you will only be able to view records that belong to your group.



ALL (27) ▼ records per page

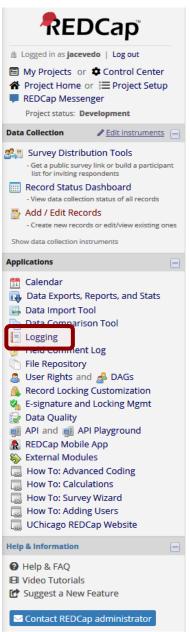
Displaying: Instrument status only | Lock status only | All status types

Displaying record Page 1 of 1: "1" through "29" ▼ of 27 records

Table not displaying properly

			Admin		Survey Session 1			Survey Session 2 T				Survey Session 2 C			
Record ID	ECE Screener	Consent Form	Randomization	Modules	Theories of Intelligence	Module Knowledge	Speakr	Theories of Intelligence	Module Knowledge	Speakr 22item	Post- Intervention Experience	Theories of Intelligence	Module Knowledge	Speakr 22item	Pd Experience Survey
1	9	Ø	•	•	0	Ø	Ø	0	0	Ø	Ø	0	O	0	0
2	9	0	•	•	0	Ø	0	0	0	0	Ø	0	0	0	0
4	9	0	•		0	Ø	0	0	0		0	0	0		0
<u>5</u>	9	9	•	•	0	Ø	Ø	0	Ø	•	Ø	0	0	0	0
<u>6</u>	9	Ø	•	0	0	Ø	0	0	0	0	0	0	0	0	0
7	9	Ø	•	•	0	Ø	0	0	Ø	•	Ø	0	0	0	0
8	9	Ø	•	•	0	0	0	0	0	0	0	0	0		0
9	9	9	•	•	0	Ø	Ø	0	Ø	•	Ø	0	0	0	0
<u>11</u>	9	Ø	•	•	0	Ø	Ø	0	Ø	Ø	0	0	0		0
12	9	9	•	•	0	Ø	0	0	0	0	Ø	0	0	0	0
13	9	Ø	•	•	0	0	0	0	0	Ø	0	0	0		0
14	9	Ø	•	•	0	Ø	Ø	0	0	0	Ø	0	0	0	0
<u>15</u>	9	Ø		•	0	Ø	Ø	0	0	Ø	0	0	0		0
<u>16</u>	9	Ø	•	0	0	Ø	Ø	0	0	0	0	0	0	0	0
17	9	Ø	•	•	0	Ø	0	0	0	Ø	0	0	0	0	0
<u>18</u>	9	Ø	•	0	0	0	0	0	0	0	0	0	0	0	0
<u>19</u>	9	9	•	•	0	Ø	0	0	0	0	0	0	0		0
20	9	Ø	•	•	0	0	0	0	0	Ø	0	0	0	0	0
<u>21</u>	0	Ø	•	•	Ø	Ø	0	Ø	Ø	Ø	Ø	0	0	0	0

PROJECT CHANGE LOG



Training Project

Logging

Download entire logging record to Microsoft Excel (CSV)

This module lists all changes made to this project, including data exports, data changes, and the creation or deletion of users.



Time / Date	Username	Action	List of Data Changes OR Fields Exported
07/10/2019 6:55pm	jacevedo	Manage/Design	Modify project settings
07/10/2019 6:55pm	jacevedo	Updated Record 1002	test_complete = '2'
07/10/2019 6:54pm	jacevedo	Updated Record 1001	test_complete = '2'
07/10/2019 6:54pm	jacevedo	Deleted Record 999	record_id = '999'
06/10/2019 4:33pm	[survey respondent]	Created Response 1004	mon = '1', tue = '1', wed = '1', thu = '1', fri = '1', record_id = '1004', test_complete = '0'
06/10/2019 4:32pm	jacevedo	Manage/Design	Modify survey info
06/10/2019 4:32pm	[survey respondent]	Created Response 1003	mon = '1', tue = '1', wed = '1', thu = '1', fri = '1', record_id = '1003', test_complete = '0'
06/10/2019 4:24pm	jacevedo	Manage/Design	Modify survey info
06/10/2019 4:23pm	[survey respondent]	Updated Response 1002	mon = '2'
06/10/2019 4:22pm	[survey respondent]	Created Response 1002	mon = '1', tue = '1', wed = '1',

DATA DICTIONARY CODEBOOK

Print page

📖 Data Dictionary Codebook

	#	Variable / Field Name	Field Label Field Note	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
Inst	rument:	Screening (screening)		
Ø	1	study_id	Study ID	text
	2	date_enrolled	Section Header: Consent Information Date subject signed consent YYYY-MM-DD	text (date_ymd)
<i>⊘</i>	3	patient_document	Upload the patient's consent form	file
<i>⊘</i>	4	first_name	Section Header: Contact Information First Name	text, Identifier
<i>⊘</i>	5	last_name	Last Name	text, Identifier
<i>⊘</i>	6	address	Street, City, State, ZIP	notes, Identifier
<i>⊘</i>	7	telephone	Phone number Include Area Code	text (phone), Identifier
<i>⊘</i>	8	email	E-mail	text (email), Identifier
<i>⊘</i>	9	dob	Section Header: Demographics Date of birth	text (date_ymd), Identifier
<i>⊘</i>	10	age	Age (years)	calc Calculation: rounddown(datediff([dob],'today','y'))
7	11	ethnicity	Ethnicity	radio 0 Hispanic or Latino 1 NOT Hispanic or Latino 2 Unknown / Not Reported Custom alignment: LH
₩	12	race	Race	dropdown 0 American Indian/Alaska Native 1 Asian 2 Native Hawaiian or Other Pacific Islander 3 Black or African American 4 White 5 More Than One Race 6 Unknown / Not Reported



Previously...

Edit Field You may add a new project field to this data collection instrument by completing bottom. When you add a new field, it will be added to the form on this page. For you may view the Eli Field Types video (4 min). Field Type: Multiple Choice - Radio Buttons (Single Answ ∨ Question Number (optional) Displayed only on the survey page Field Label Use the Rich Text Editor ? I encourage my child to look forward to the meal. <i>Animo a mi hijo(a) para que este emocionada para la comida.</i> <i>J'encourage mon enfant à attendre avec impatience le repas.</i> **HTML** needed

Today...

Edit Field You may add a new project field to this data collection instrument by completing bottom. When you add a new field, it will be added to the form on this page. For you may view the El Field Types video (4 min). Field Type: Multiple Choice - Radio Buttons (Single Answ ∨ Question Number (optional) Displayed only on the survey page Field Label ✓ Use the Rich Text Editor ? Paragraph I encourage my child to look forward to the meal. Animo a mi hijo(a) para que este emocionada para la comida. J'encourage mon enfant à attendre avec impatience le repas.

no HTML needed

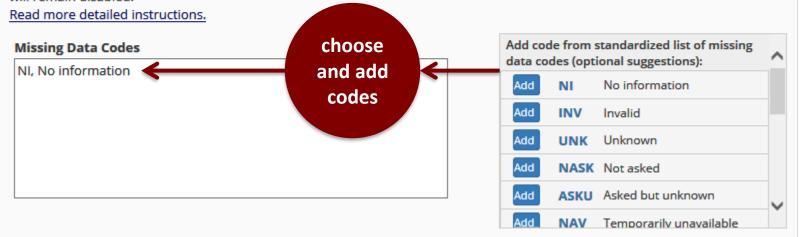


Project Setup > Enable optional modules > Additional Customizations

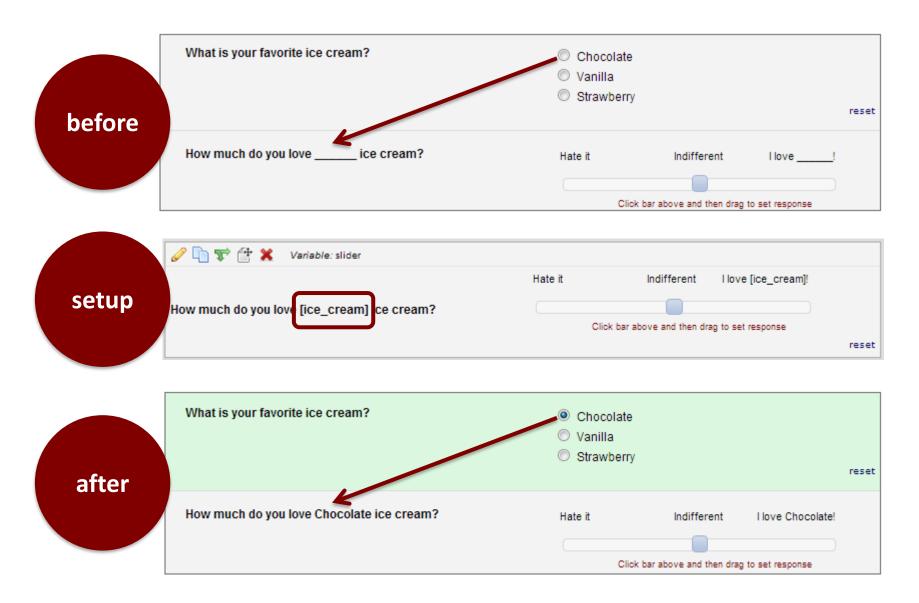
Additional customizations

Missing Data Codes: Set up your missing data codes for this project

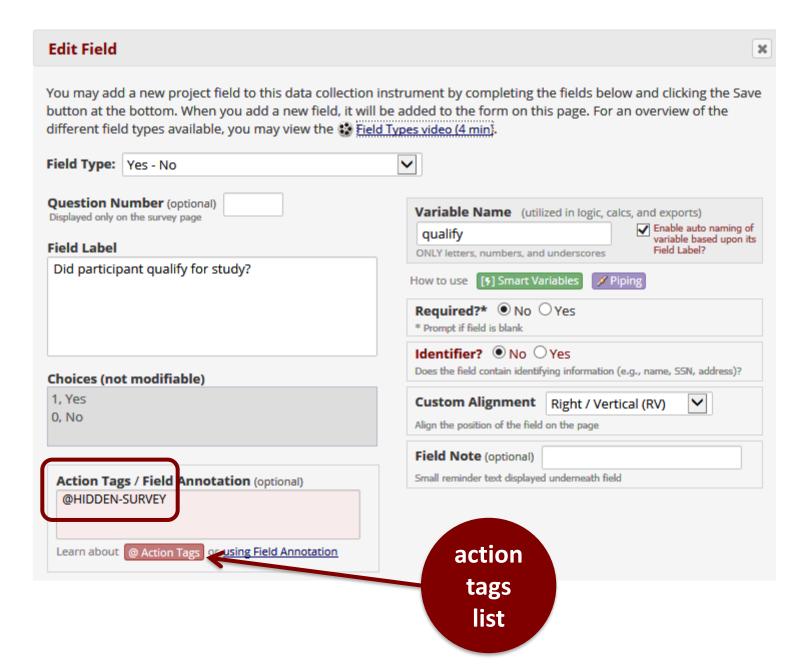
Fields that have a blank/missing value may be marked with a custom 'Missing Data Code' to note why the value is blank. These missing codes may be used to aid in data analysis by specifying why a field lacks a value. To enable this feature below, enter both the codes AND their labels for all the categories of missing data that you wish to use in this project. The missing codes should be coded just like the choices of a multiple choice field with *code* + *comma* + *label*, in which the codes can only have letters, numbers, dots, dashes, and underscores (e.g., '-999, Not asked' or 'UNK, Unknown'). If no codes are entered, this feature will remain disabled.



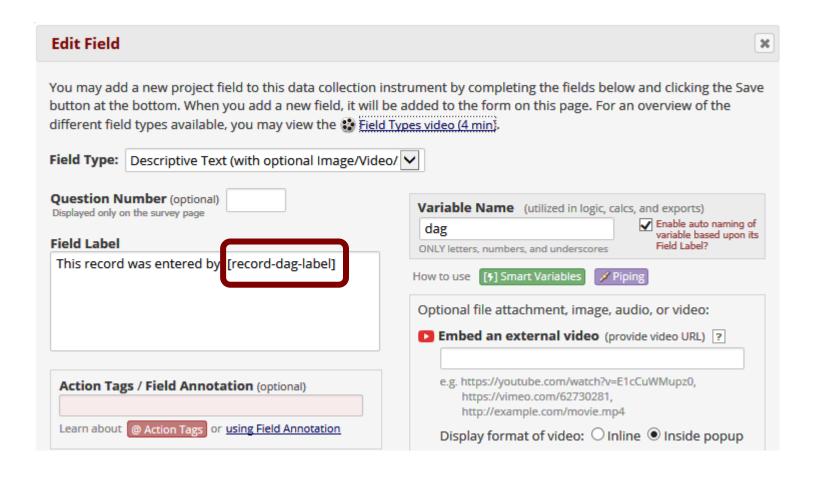




ACTION TAGS



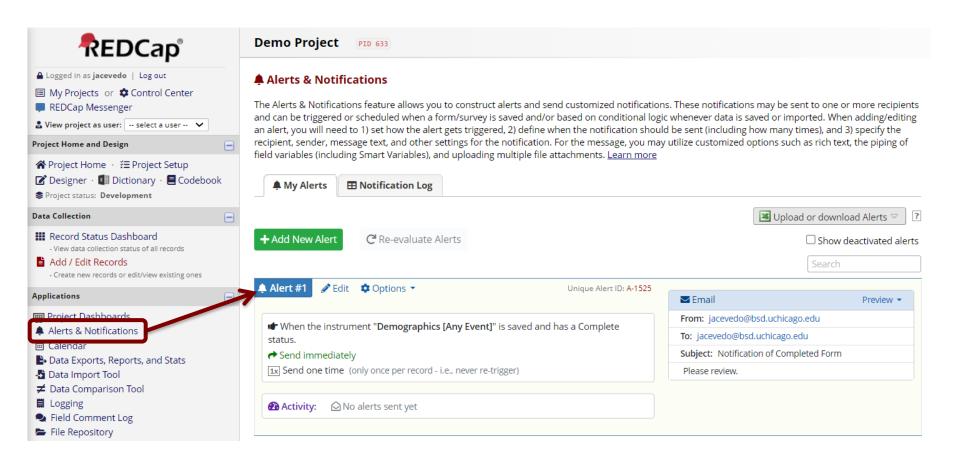
SMART VARIABLES



FIELD EMBEDDING

E	dit Field					
	ou may add a new project field to this data collection instru orm on this page. For an overview of the different field types					
Fi	ield Type: Descriptive Text (with optional Image/Video//					
Fi	ield Label		Use the Rich	Text Editor ?		
	Paragraph \vee B I \mathscr{S} \equiv \equiv \equiv	■ 5 ∂	K 3			
	⊞ ⊞ Œ Œ ⊞ ∨ A ∨ ∠ ∨ Q	<> <u>T</u> _×				
	Record ID			3		
	Sponsored Research Proposals					
		2012	2013	2014	2015	2016
	Federal Grants	2012	2013	2014	2015	2016
	Federal Grants Non-federal Grants	2012	2013	2014	2015	2016
		2012	2013	2014	2015	2016
	Non-federal Grants	2012	2013	2014	2015	2016

ALERTS & NOTIFICATIONS



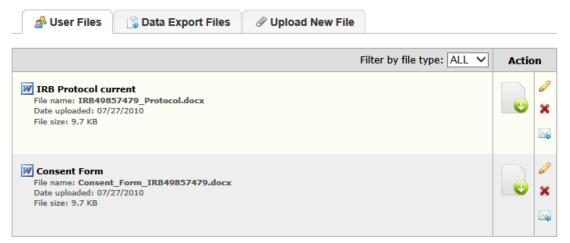
FILE REPOSITORY



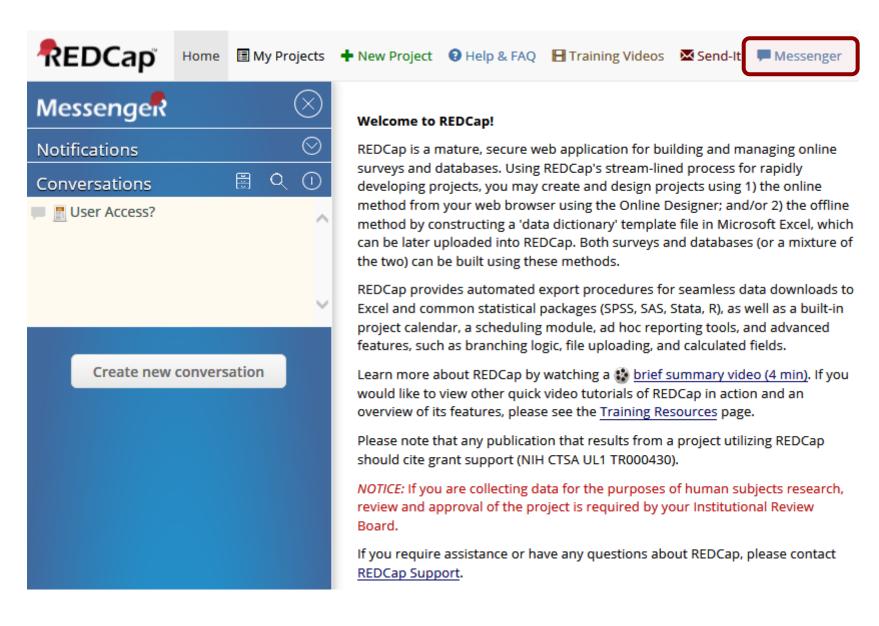
Training Project

File Repository

This page may be used for storing and retrieving files and documents used for this project. You may upload files here to save for retrieval later, or you may download previously uploaded files in the file list below. Whenever a data export is performed, the resulting data and syntax files are stored here also.



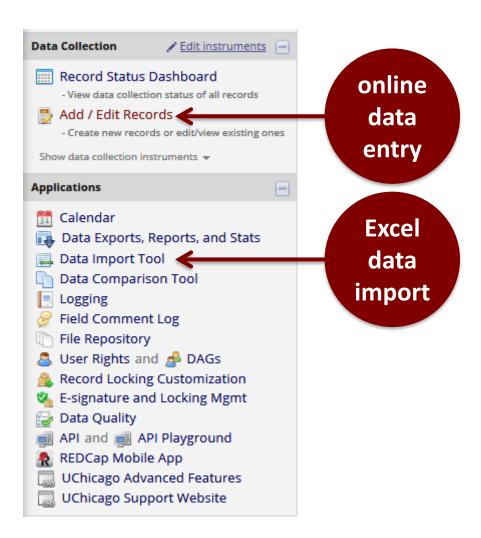
MESSENGER



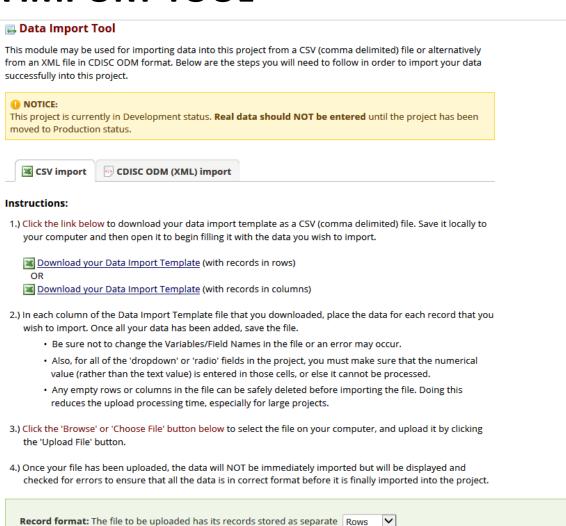


Data Import Tool

DATA COLLECTION TYPES



DATA IMPORT TOOL



Format for date and datetime values: MM/DD/YYYY or YYYY-MM-DD ✓

Upload your CSV file:

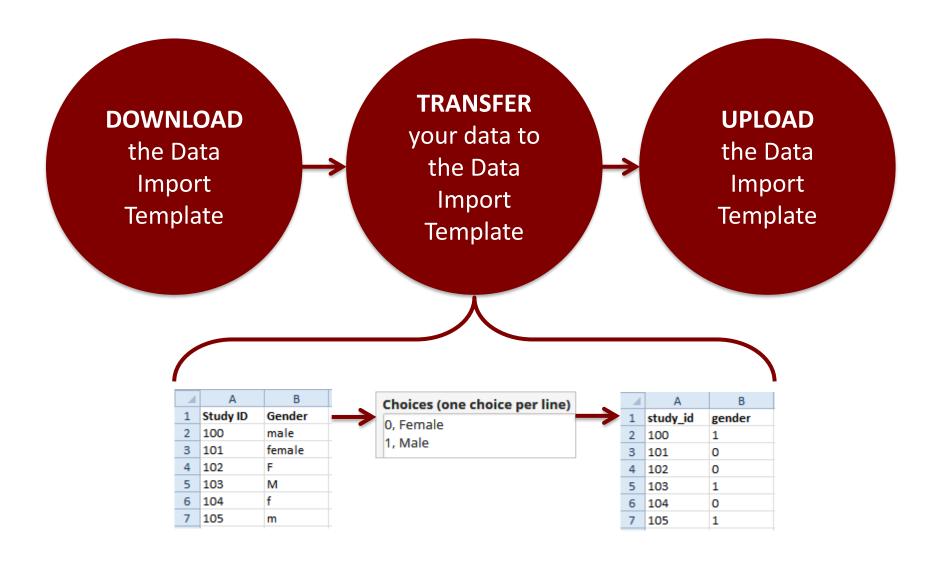
Upload File

Allow blank values to overwrite existing saved values? No, ignore blank values in the file (default)

Browse...

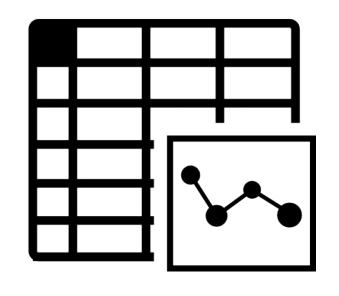


STEPS FOR DATA IMPORT TOOL



CAUTION!

- Don't change the **variable names** on the template. They must match the project's variable names.
- For all discrete fields, upload the **numerical value** (rather than the label value).
- **Empty** rows or columns should be deleted before importing the file to reduce the processing time.
- For large files, it's recommended you import a few variables at a time. The entire template doesn't need to be imported all at once.



Data Exports, Reports, and Stats

DATA EXPORTS, REPORTS, AND STATS



Training Project



This module allows you to easily view reports of your data, inspect plots and descriptive statistics of your data, as well as export data to Microsoft Excel, SAS, Stata, R, or SPSS for analysis (if you have such privileges). If you wish to export your *entire* data se view it as a report, then Report A is the best and quickest way. However, if you want to view or export data from only specific instruments (or events) on the fly, then Report B is the best choice. You may also create your own custom reports below (if you have such privileges) in which you can filter the report to specific fields, records, or events using a vast array of filtering tools to make sure you get the exact data you want. Once you have created a report, you may view it as a webpage, export it out of REDCap in a specified format (Excel, SAS, Stata, SPSS, R), or view the plots and descriptive statistics for that report.

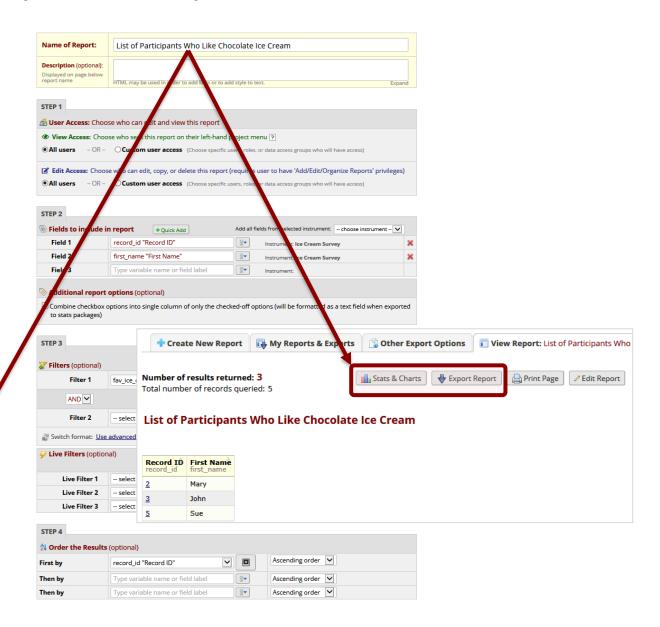


how-

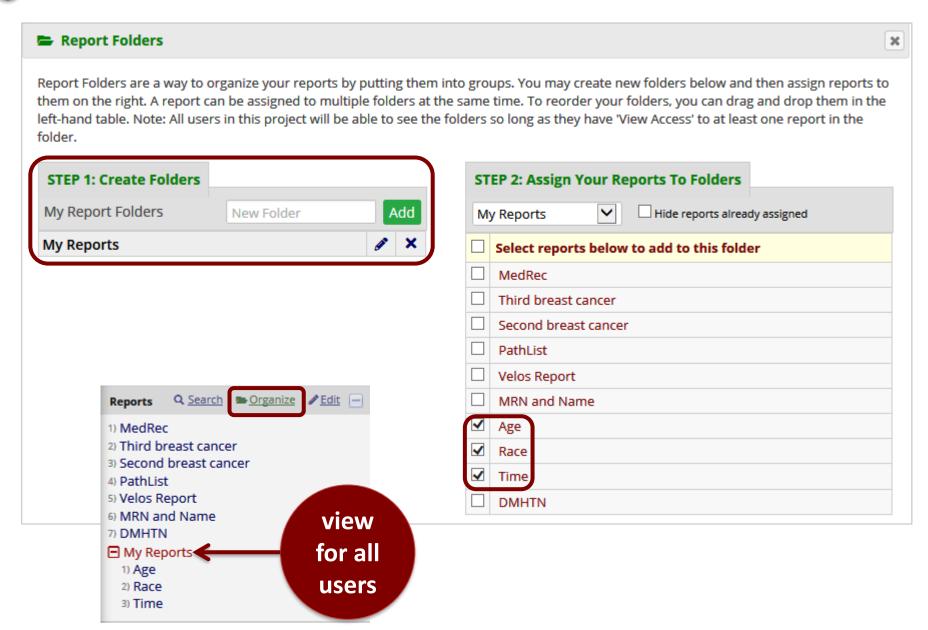
video

DATA EXPORTS, REPORTS, AND STATS



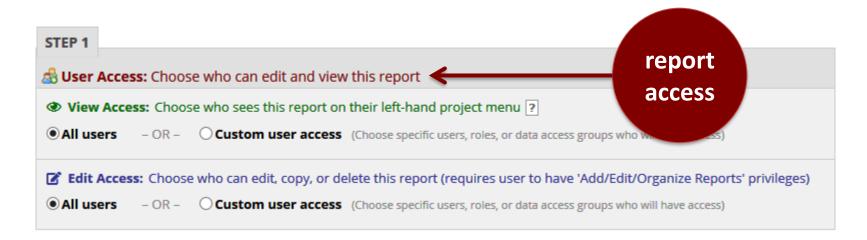


REPORT FOLDERS



REPORT SEARCH AND ACCESS





EXPORT OPTIONS

Exporting "All data (all records and fields)"

export options

×

Select your export settings, which includes the export format (Excel/CSV, SAS, SPSS, R, Stata) and if you wish to perform de-identification on

Cho	oose export format	
O	CSV / Microsoft Excel (raw data)	
0	CSV / Microsoft Excel (labels)	
0	SPSS Statistical Software	
0	SAS Statistical Software	
0	R Statistical Software	
0	STETE Stata Statistical Software	
0	ODM (XML)	

De-identification options (optional)
amount of sensitive information that you are exporting out of the project. Check all that apply.
Known Identifiers: Remove all tagged Identifier fields (tagged in Data Dictionary) Hash the Record ID field (converts record name to an unrecognizable value)
Free-form text: Remove unvalidated Text fields (i.e. Text fields other than dates, numbers, etc.) Remove Notes/Essay box fields
Date and datetime fields: Remove all date and datetime fields OR — Shift all dates by value between 0 and 364 days
(shifted amount determined by algorithm for each record) What is date shifting? Also shift all survey completion timestamps by value between 0 and 364 days (shifted amount determined by algorithm for each record)
Deselect all options

Additional export options

✓ Export survey identifier field and survey timestamp field(s)?

-Advanced data formatting options

Set CSV delimiter character

Set the delimiter used to separate values in the CSV data file (only valid for CSV Raw Data and CSV Labels export formats):

, (comma) - default 🔽

Force all numbers into a specified decimal format?

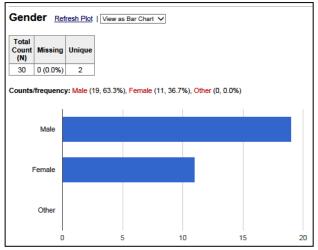
You may choose to force all data values containing a decimal to have a specified decimal character (comma or period/full stop). This will be applied to all calculations and number-validated text values in the export file.

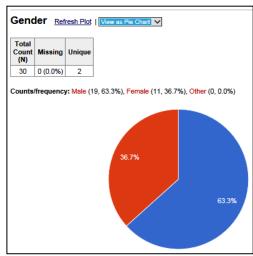
Use fields' native decimal format (default)

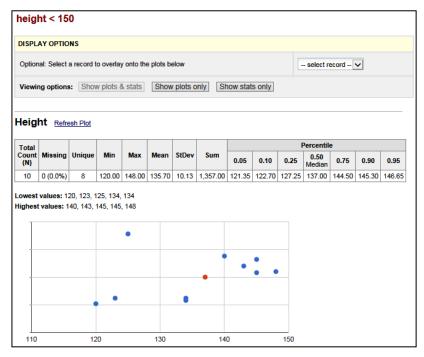
~

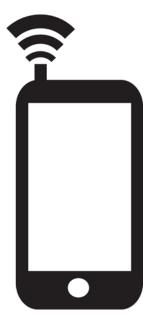
NOTE: Your data formatting selections above will be remembered in the future and will be pre-selected upon your next export.

STATS AND CHARTS









Smart Devices

SMART DEVICES



REDCap is compatible with:

- Tablets and smart phone (iOS and Android)
- imply go to https://redcap.uchicago.edu/

MOBILE APP

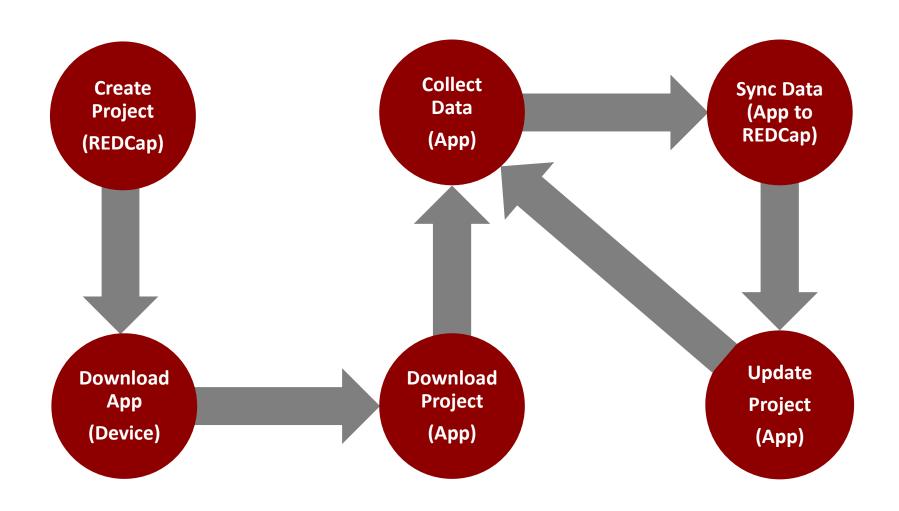
Use for offline data collection (where there is no/poor internet connectivity)



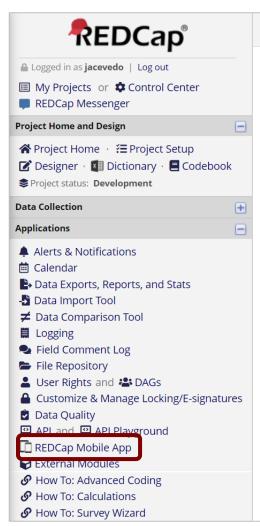


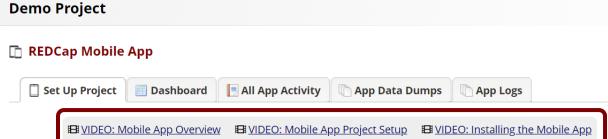


MOBILE APP - PROCESS



MOBILE APP - SETUP





What is the REDCap Mobile App?

The REDCap Mobile App is an app that can be installed on an Android or iOS tablet or mobile device so that data may then be collected in an offline fashion on that device. At some point later on, it may then be synced back to this project on the REDCap server. The app is most useful when data collection will be performed where there is no Internet service (e.g., no WiFi or cellular service) or where there is unreliable Internet service.



Once a user in this project is given 'REDCap Mobile App' privileges, they can navigate to the mobile app page on the left-hand menu and use it to set up this project inside the mobile app on their device. Once the mobile project is set up on the device, the user can collect data (which is stored locally on the device), and then at some point, sync that data back to this project on the REDCap server.

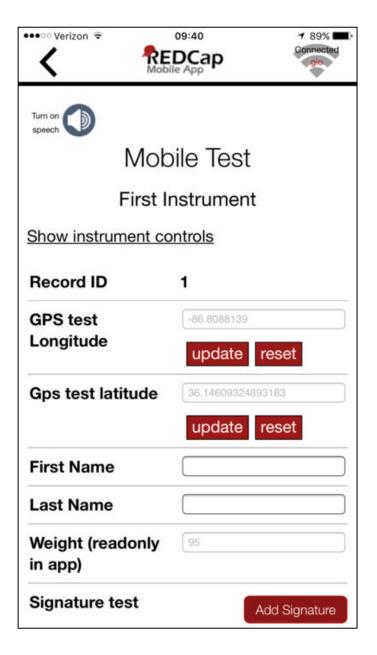
STEP 1: Download the app on your device

You must first download the REDCap Mobile App on your iOS, Android, or BlueStacks (Android emulator) device by clicking the appropriate icon below, or alternatively, if you are not currently on a mobile device, you can search the App Store or Google Play Store for 'REDCap' on your mobile device to find the app there to download. The app is available for the following platforms: iOS 6.0 or later (iPhone 4 and up, iPad 2 and up) and Android 4.3 or later (phones and tablets).

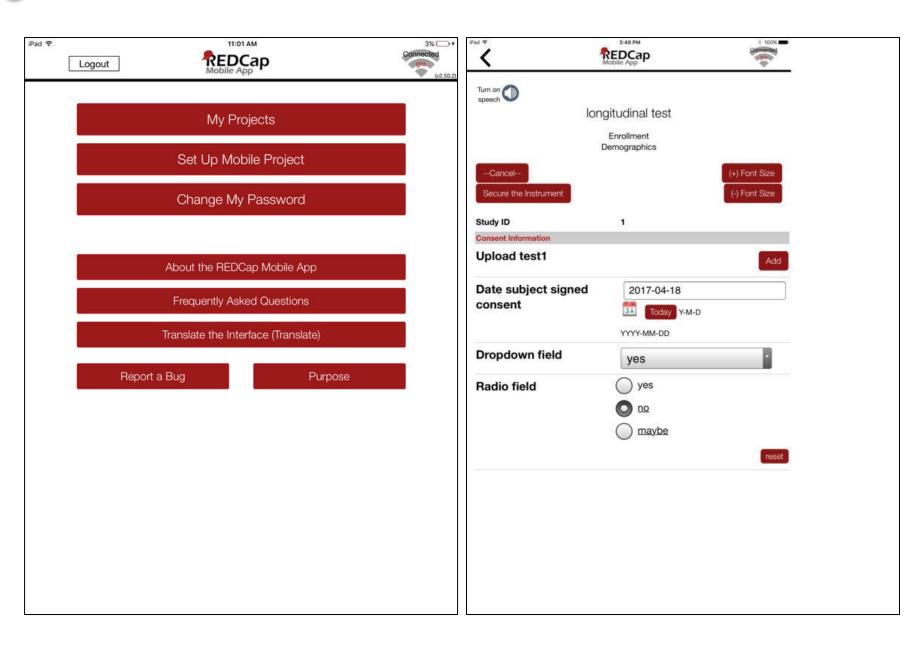


MOBILE APP - IPHONE





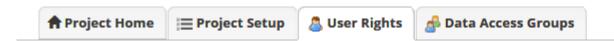
MOBILE APP - IPAD



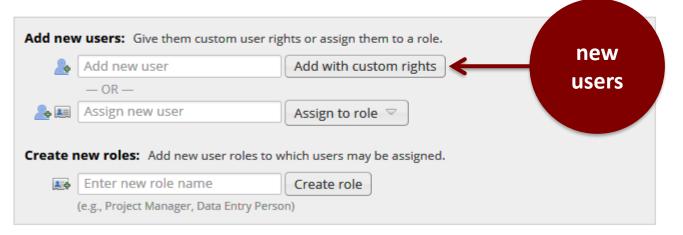


User Rights

USER RIGHTS



This page may be used for granting users access to this project and for managing the user privileges of those users. You may also create roles to which you may assign users (optional). User roles are useful when you will have several users with the same privileges because they allow you to easily add many users to a role in a much faster manner than setting their user privileges individually. Roles are also a nice way to categorize users within a project. In the box below you may add/assign users or create new roles, and the table at the bottom allows you to make modifications to any existing user or role in the project, as well as view a glimpse of their user privileges.



Role name (click role name to edit role)	Username or users assigned to a role (click username to edit or assign to role)	(clip DAG to assign user)	Project Design and Setup	User Rights	Data Access Groups	Da
_	jacevedo (Julissa Acevedo)	users	~	✓	✓	Ful

USER ROLES

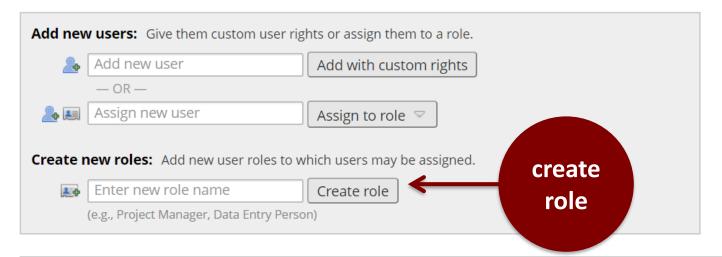
A Project Home

≅ Project Setup

User Rights

Data Access Groups

This page may be used for granting users access to this project and for managing the user privileges of those users. You may also create roles to which you may assign users (optional). User roles are useful when you will have several users with the same privileges because they allow you to easily add many users to a role in a much faster manner than setting their user privileges individually. Roles are also a nice way to categorize users within a project. In the box below you may add/assign users or create new roles, and the table at the bottom allows you to make modifications to any existing user or role in the project, as well as view a glimpse of their user privileges.

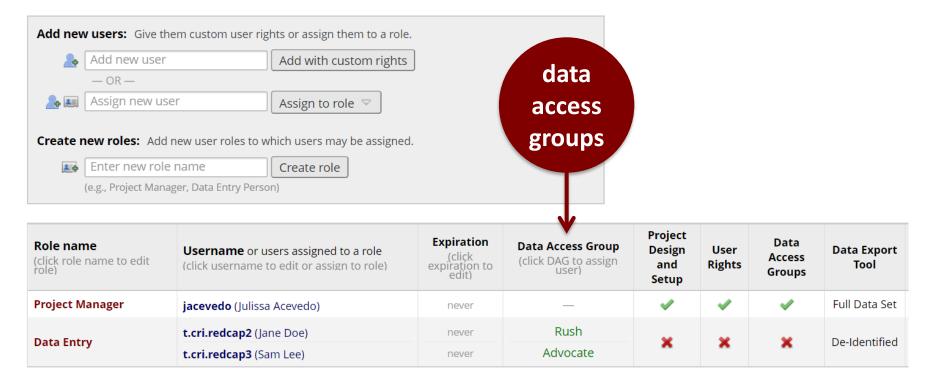


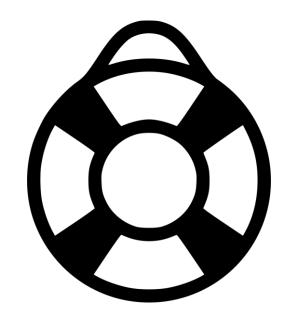
Role name (click role name to edit role)	Username or users assigned to a role (click username to edit or assign to role)	Expiration (click expiration to edit)	Project Design and Setup	User Rights	Data Access Groups	Data Export Tool
Project Manager	jacevedo (Julissa Acevedo)	never	✓	~	✓	Full Data Set
Data Entry	t.cri.redcap2 (Jane Doe)	never	×	×	×	De-Identified
Data Elitiy	t.cri.redcap3 (Sam Lee)	never				

DATA ACCESS GROUPS



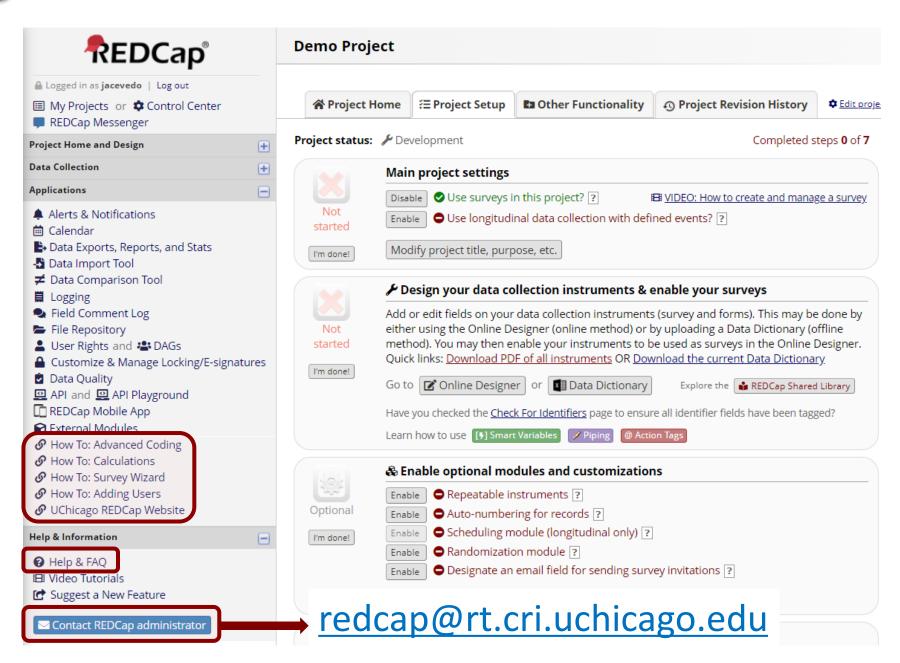
This page may be used for granting users access to this project and for managing the user privileges of those users. You may also create roles to which you may assign users (optional). User roles are useful when you will have several users with the same privileges because they allow you to easily add many users to a role in a much faster manner than setting their user privileges individually. Roles are also a nice way to categorize users within a project. In the box below you may add/assign users or create new roles, and the table at the bottom allows you to make modifications to any existing user or role in the project, as well as view a glimpse of their user privileges.





Help Resources

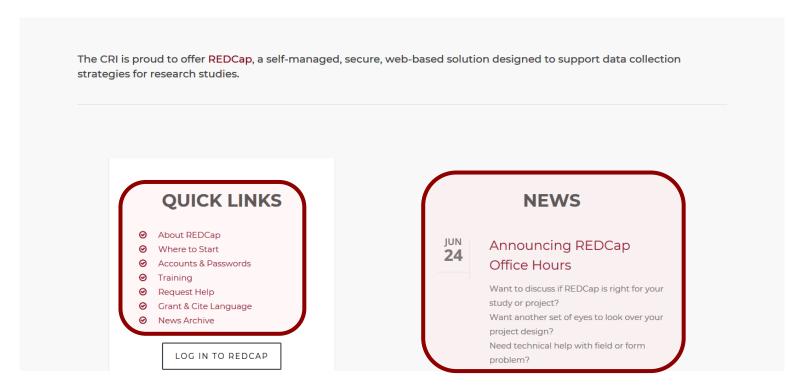
HELP RESOURCES IN YOUR PROJECT



HELP RESOURCES – CRI WEBSITE

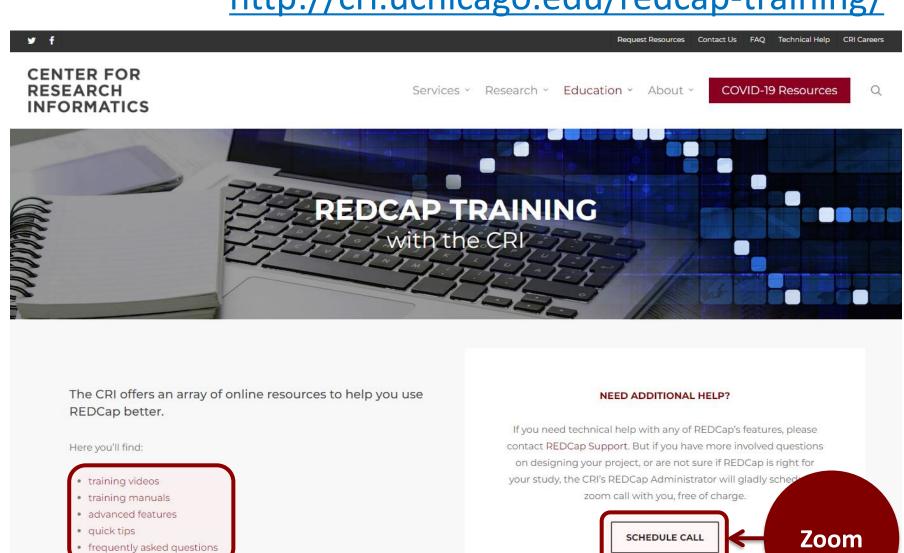
http://cri.uchicago.edu/redcap/





HELP RESOURCES – CRI WEBSITE

http://cri.uchicago.edu/redcap-training/









redcap@rt.cri.uchicago.edu cri.uchicago.edu/redcap