Scientific Computing and Data Research Data Services

Surveys in REDCap

https://redcap.mountsinai.org

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Introduction – Team Members



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Mount Sinai, Surveys in REDCap - Intermediate Training

Acknowledgements



Acknowledge CTSA:

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Please use the following acknowledgement in your publications:

"This work was supported in part through the computational and data resources and staff expertise provided by Scientific Computing and Data at the Icahn School of Medicine at Mount Sinai and supported by the Clinical and Translational Science Awards (CTSA) grant ULTR004419 from the National Center for Advancing Translational Sciences."

Acknowledge Scientific Computing and Data:

All publications must include the following language in the acknowledgments section:

"This work was supported in part through the REDCap resources and staff expertise provided by Scientific Computing and Data at the Icahn School of Medicine at Mount Sinai."

Your Publications

Report publications to Scientific Computing and Data:

All publications that resulted from Scientific Computing and Data resources and services, including Leaf and ATLAS, should be reported annually.

To report your publications, submit them here: <u>https://redcap.link/a21haj0q</u>

For 20 or more publications, please email Maria Castro at mariajulia.castro@mssm.edu

REDCap at Mount Sinai

<u>Research Electronic Data Capture</u> – It was created in 2004 at Vanderbilt University for the purpose of supporting a small group of researchers who needed a secure data collection tool

Data resources and integration between existing systems

- Import clinical data into REDCap from Epic (over 1800 mapped fields)
 - -Basic Demographics
 - -Conditions/Problems list
 - -Medications
 - –Vital signs
 - -Laboratory Results (lab results where LOINC code is stored in Epic)
- -Submit requests to https://bit.ly/3guXoag
- ► We host more than 10,000 databases, with over 18,000 active users
- Services for project building, data protection, support, and training

Creating a REDCapAccount

Mount Sinai Users:

Mount Sinai faculty, students and staff can log into REDCap using their regular Mount Sinai username and password here: <u>https://redcap.mountsinai.org</u>

External Users:

For external collaborators without Mount Sinai credentials, the PI or their delegate must request MountSinai credentials via SailPoint: <u>https://sailpoint.mountsinai.org/</u>

Digital Concierge Service

Virtual REDCap Office Hours: Wednesdays at 3:30pm to 4:30pm

-Open to all users

-Get help with specific project questions

Every Wednesday from 3:30 p.m. – 4:30 p.m. (ET): Click here to register and join

You can also get help with other services such as: DTP Academic Technology, HPC, MSDW, Self-service Cohort Query Tools, eRAP, Data Ark Data Commons, DTP Cybersecurity, and Levy Library Resources and Services

Additionally we plan on opening an extra day once a month to accommodate users who cannot attend on Wednesdays.

Welcome!

Thank you for joining today! We are excited to present the **Surveys in REDCap** – Intermediate Level Presentation.

The goal is to familiarize you with the many survey features in REDCap.



 If you are a new user to REDCap, you may want to check out the Introduction to REDCap presentation from February 2023, presented by my colleague, Priscilla Acquaye.

https://labs.icahn.mssm.edu/minervalab/rds/about-redcap/

 Disclaimer: Today's presentation will not cover everything about surveys in REDCap.

Overview

Surveys in REDCap

- Creating surveys
- REDCap Shared Library
- Survey settings
- Survey design
- Distributing surveys
- e-Consent Framework
- Demo
- Questions answered through Q&A feature





Surveys in REDCap

► Use the REDCap survey feature when collecting data from study participants or respondents. No logging into REDCap.

TIP: If your study team is entering paper survey data in REDCap, you do not need to create a survey.



Project types in REDCap	Count
Projects not containing surveys	3,868 (35%)
Projects containing surveys	7,269 (65%)

Create a survey in REDCap



Enabling instruments as surveys in a project The two-step process:

Surveys in	REDC	ap Training P	roject PID 17947					
A Project H	lome	žΞ Project Setup	🗘 Other Functionality	၍ Project Revision History	€ Edit project settings			
Project status:	🔑 Dev	velopment		Completed	steps 1 of 7			
	Mair	n project settings						
	Disab	le 🕑 Use surveys	in this project? ?	E VIDEO: How to	create and manage a survey			
Complete!	Enable OUse longitudinal data collection with defined events? ?							
Not complete?	Enab	le 🕒 🕒 Use the MyC	ap participant-facing mobile	app? 🔲 Learn more about MyC	ap			
	Mod	lify project title, purp	oose, etc.					

Step 1

- Project Setup -> Use Surveys in the Project
- Training Video for Surveys
- Look for question marks for helpful guidance.

Enabling instruments as surveys The two-step process:

Surveys in RED	Cap Training Pr	roject PID 17947						
A Project Home	žΞ Project Setup	🕑 Online Designer	Data	Dictior	nary 🖪 Coo	lebook		
Here <u>VIDEO: How to use to</u> The Online Designer w NOTE: While in develo	<u>his page</u> rill allow you to make p oment status, all field	Create snapshot of inst project modifications to changes will take effect i	ruments fields and mmediate	Last sni data co ely in re	apshot: never ? Illection instru al time.	iments very easily	using only your web browser.	
Data Collection + Create a new ins Import a new ins Upload instrument	Instruments rument from scratch trument from the officia nt ZIP file from another	il <u>REDCap Instrument Library</u> project/user or <u>external libr</u>	: aries	Form References	options: orm Display Log k to modify vey settings	Survey opti	ons: Queue 🍳 Auto Invitation options 🔹 🎤 Surve Notifications	ey Login
Instrument nan	ie		Fields	View PDF	Enabled as survey	nstrument actions	Survey related options	
Demographics			8	PoF	۷ 🖉	Choose action \bigtriangledown	Survey settings + Automated Invitations	

Step 2

- Project Setup -> Online Designer -> Enable as survey
- Survey –related options

Survey Settings Automated invitations

REDCap Shared Library = Amazing Resource!

Surveys in F	REDCap Training Project	7947		Generalized Anxiety Disorder 7 Item (GA	AD 7) Scale			
				Seliting existing record				
				Over the last 2 weeks, how often have you been bother	ed by the following problems?			
Project status:	Image: Second	tionality 🔊 Project Revision History	Edit project settings	1. Feeling nervous, anxious, or on edge	 Not at all sure Several days Over half the days Nearly every day 			
	Main project settings Disable OUse surveys in this project? ?	EB VIDEO: How to	create and manage a survey	2. Not being able to stop or control worrying	 Not at all sure Several days Over half the days Nearly every day 	1000		
Not complete?	Enable Ouse longitudinal data collectio Enable Ouse the MyCap participant-fac Modify project title, purpose, etc.	n with defined events? ? ing mobile app? [] <u>Learn more about MyC</u>	ap	3. Worrying too much about different things	 Not at all sure Several days Over half the days Nearly every day 	PROMIS SF v2.0 - Phys Function 24a (PROM	IS-HAQ)	
	Design your data collection instru	ments & enable your surveys		4. Trouble relaxing	O Not at all sure O several days	FINAL RESULTS T-score	[
Completel	Add or edit fields on your data collection in Opline Designer (opline method) or by upl	nstruments (survey and forms). This may b pading a Data Dictionary (offline method)	e done by either using the You may then enable your			Standard Error		
Not complete?	Instruments to be used as surveys in the C Download the current Data Dictionary Go to Colline Designer or Colline Designer or Colline Designer Data I Have you checked the <u>Check For Identifiers</u> pa	Incline Designer, Quick links: <u>Download PDf</u>	e of all instruments OR			Are you able to dress yourself, including tying shoelaces and buttoning your clothes?	Without any difficulty With a little difficulty With some difficulty With some difficulty With much difficulty Unable to do	
	Learn how to use [1] Smart Variables / Pip	ng @ Action Tags 🕂 Field Embedding	Special Functions			PFB26		
						Are you able to shampoo your hair?	Without any difficulty With a little difficulty With some difficulty	

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reset vali

REDCap Shared Library

Project Setup -> Design your data collection instruments & enable your surveys -> REDCap Instrument Library

- REDCap Shared Library contains instruments submitted by REDCap Consortium members. Many validated instruments can be found, including PROMIS. GAD-7, PHQ-9 and variations of Concomitant Medications and Adverse Events.
- 3700 + instruments in multiple languages

Survey Settings

Surveys in REDC	ap Training Pr	oject PID 17947									
A Project Home	žΞ Project Setup	🕑 Online Designer	👔 Data	Diction	ary 🛢 C	odebook					
B <u>VIDEO: How to use th</u> The Online Designer wi NOTE: While in develop	<u>nis page</u> Il allow you to make j ment status, all field	Create snapshot of instr project modifications to fi changes will take effect in	uments ields and mmediate	Last sna data co ely in rea	apshot: never [llection inst al time.	?] ruments v	ery easily	using only you	r web	b browser.	
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Instrument name	2		Fields	View PDF	Enabled as survey	Instrumer	nt actions	Survey related	optio	ons	
Demographics			8	POF	۷	Choose a	action 🗢	Survey settin	gs H	+ Automated Invitation	s

- Survey Settings
- Use survey settings to determine how you wish to design your survey for maximum response and highest data quality.
- Don't rely on 'default' features in REDCap
- Crucial to review each section for best survey design

Survey Designs

Surveys in REDC	ap Training Pr	roject PID 17947							
A Project Home	ੱΞ Project Setup	🕑 Online Designer	Data	Dictio	nary 🗏 Co	odebook			
He Online Designer wi NOTE: While in develop	n <u>is page</u> Il allow you to make p ment status, all field	Create snapshot of inst project modifications to changes will take effect	fields and	Last sr data co ely in re	napshot: never [ollection inst eal time.	? ruments very ea:	sily using only you	ur web browser.	
Data Collection I + Create a new instr Import a new instr Upload instrumen	nstruments ument from scratch rument from the officia t ZIP file from another	i ^l <u>REDCap Instrument Libran</u> project/user or <u>external lib</u> r	: aries	Form Q f	roptions: Form Display Lo ck to modify rvey settings	Survey (i≡Sun Survey (i≡Sun	options: rey Queue 🛛 🍫 Au vey Notifications	to Invitation options •	₽ Survey Login]
Instrument name	2		Fields	View PDF	Enabled as survey	Instrument actio	ns Survey related	d options	
Demographics			8	POP	2/	Choose action S	Survey setti	ings + Automated Invitat	ions

► When it comes to surveys – one size does not fit all! Things to consider...

- Audience
- Anonymous
- Confidential
- Single or multiple surveys
- Different surveys for different respondents
- Survey distribution

Survey Distribution

► How will you distribute the survey?

- Option 1: Public Survey link
 - Pros easy, anonymous, fast, send via Outlook, share as QR code
 - Cons open to all, limited options, bot attacks, limited tracking ability
- Option 2: Participant List
 - Pros send surveys through REDCap, reminders, tracking ability, easy interface
 - Cons not anonymous, requires email or phone numbers, no logic to customize survey distribution

Option 3: Survey Queue

- Pros works well for multiple surveys, allows flexibility with survey distribution, use logic to determine survey order
- Cons logic can be challenging, may require more upfront testing, may be easier to use survey logic Survey Settings
- Option 4: Automated Survey Invitation (ASI)
 - Pros Automate your surveys, specify conditions when survey will be sent, customized to each respondent in your research project
 - Cons Complex, may be challenging to implement, logic can be challenging, may require more upfront testing, a simpler method may be easier for team

e-Consent Framework in REDCap

► Electronic-Consent (e-Consent) is a platform for consenting research participants using a computer-based consent form.

- ▶ REDCap offers an optional e-Consent Framework in Survey Settings
 - Add a certification page at end of survey to confirm all information is correct
 - Stores a static copy of the e-consent pdf in the project's File Repository.
 - Access on computer, tablet, or mobile phone.

e-Consent Framework is	Adudes end-of-survey certification & archival of PDF consent form) e-Consent Framework Options: e-Consent is sometimes required to include the consenting participant's name (and date of birth in some es) on the final consent form as extra documentation of their identity. Below you may select fields used to ture that info. You may also enter the current e-Consent version and e-Consent type for this form. The values the fields below will be automatically inserted into the footer of the PDF consent form that the participant will ew at the end the survey, after which that PDF 'hard-copy' will be archived in the File Repository. <u>Read more lifewater documents</u>
Iocated in Survey Settings	and e constant copios to ce cate of backs onsent version: Version 1.0 e.g. 4 t name field: [icf_irstname "Participant's firs ✓ trame field unselected. icf_irstname "Participant's last ✓ iei If you are using a single field to capture whole name, you may select it for either first/last name above while leaving other name field unselected. ional fields (these are not always necessary for e-Consent): onsent type:e.g., Pediatric e of birth field:select a field✓
Force Select Summark Summark Summark Signa + Se	e or britter tedu Serect a field



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Thank You!

Thank you for your time! We hope you enjoyed this presentation.

Please take a minute to complete a short survey to provide your feedback and help improve our services:



https://redcap.link/br58r17j

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