REDCap
Research Electronic Data Capture
@Yale

REDCap 101 Training

Introduction to building projects in REDCap

Baylah Tessier-Sherman
REDCap@Yale Team
9/28/2023

Introduction and Learning Objective

- Learn how to set up a study account
- Learn where to access training materials
- Understand how to create a new REDCap project
- Learn how to manage user rights
- Demonstrate how to export data to statistical packages

What is REDCap?

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

Developed as a tool to help researchers collect and manage data effectively and responsibly.

How do I get set up in REDCap?

To request a new account, select **Request Study Account** on the REDCap@Yale portal website:

https://portal.redcap.yale.edu/

- Two REDCap implementations available at Yale:

REDCap at Yale University

Yale NewHaven Health

Yale Center for Clinical Investigation

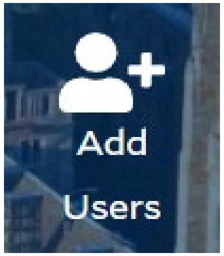
REDCap@Yale

- What is a REDCap@Yale study account?

  Principal Investigator (PI)

  HIC # (if human subjects research)

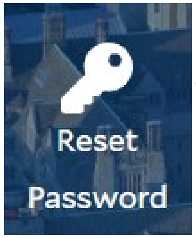
- How do I add users?



Step 1	PI or primary contact requests someone be added as a user to REDCap@Yale (only if they do not have access already)
Step 2	New user activates REDCap account by logging in
Step 3	PI or primary contact adds user to their REDCap project

REDCap@Yale

Yale NetID and password is required for login



– You CANNOT reset password in REDCap. Reset your Yale NETID password through Yale ITS

Question: *My project involves people outside Yale. How do they login?*

Answer: You can provide a Yale NET ID. Refer to the ITS website on how to obtain sponsored NetID for external collaborators.

QUESTIONS?

Training Resources: Within REDCap

Training Videos: 26 training videos currently available

Home | My Projects | + New Project | Help & FAQ | Training Videos | Messenger | Control Center

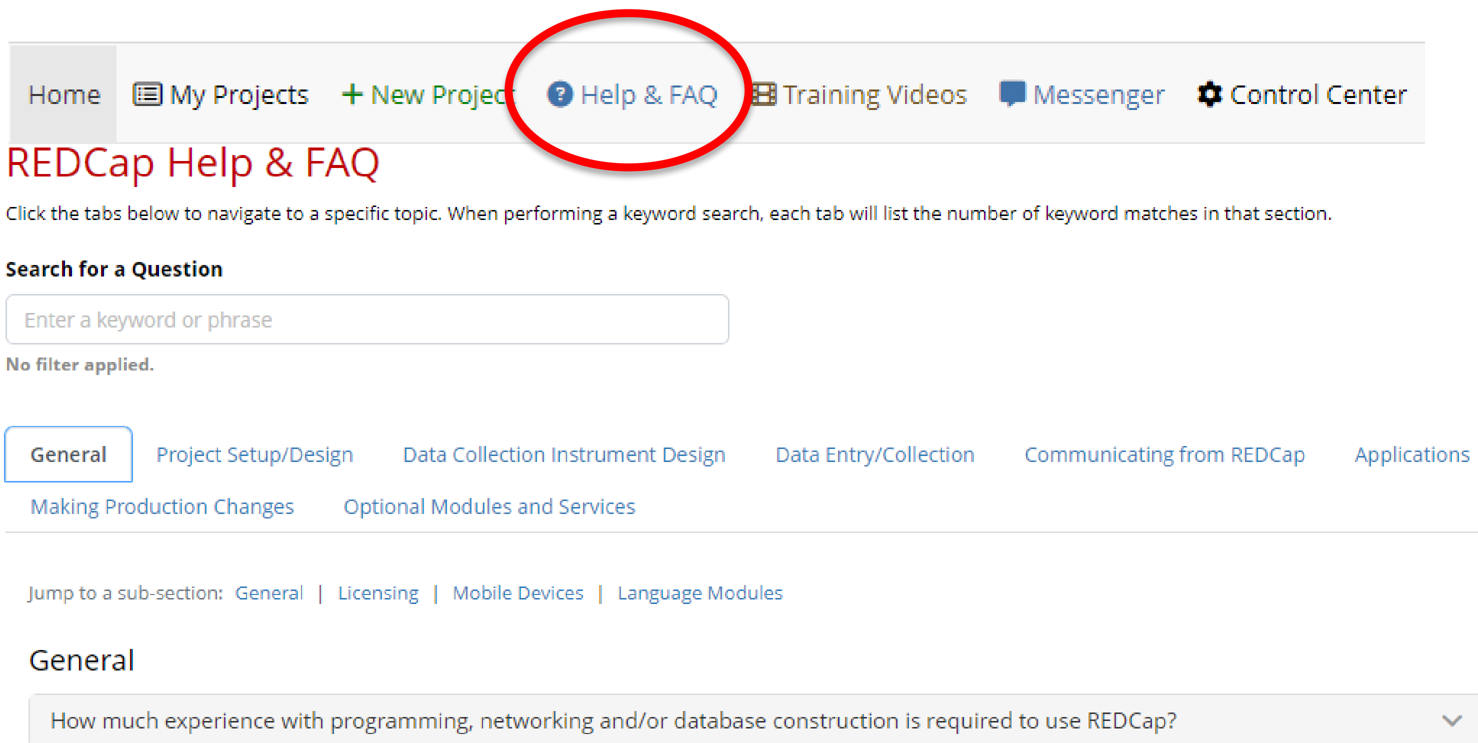
REDCap Training Videos

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

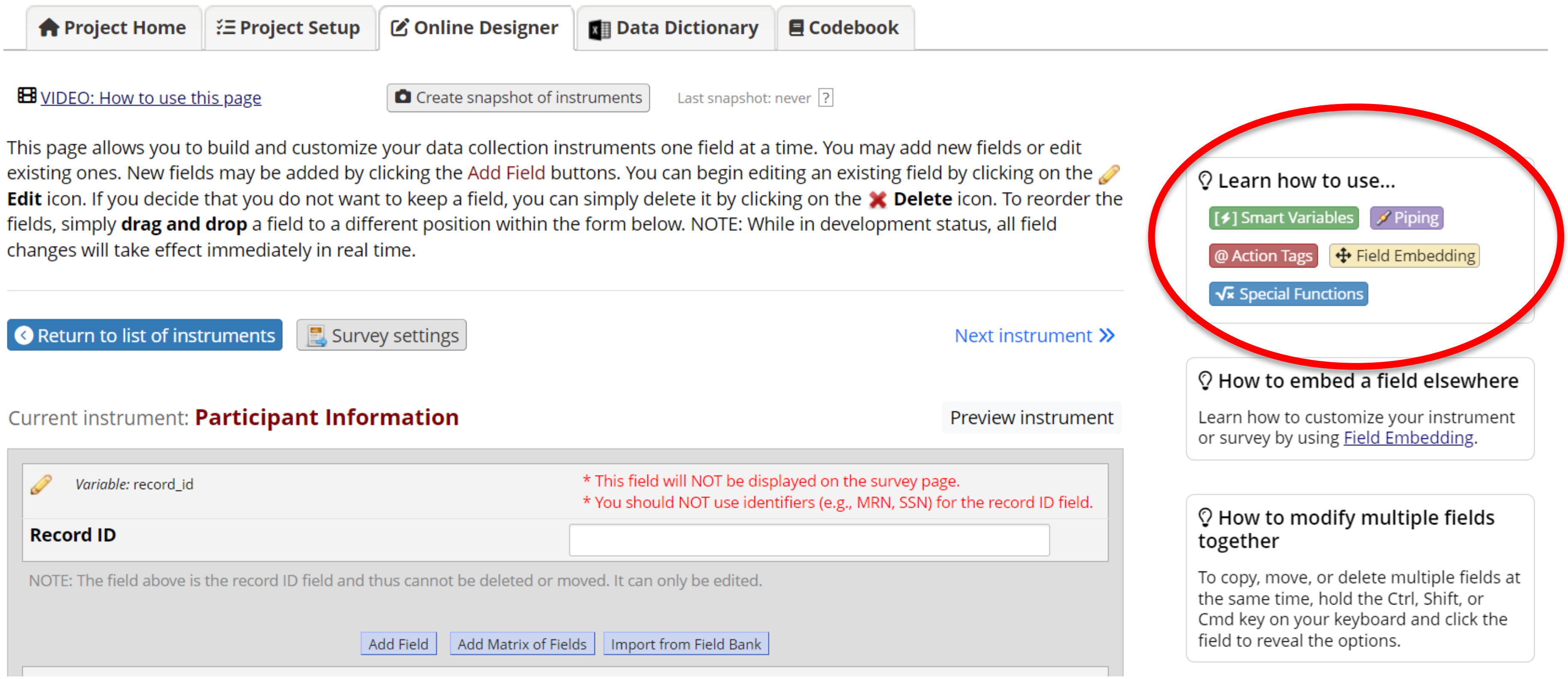
Training Resources: Within REDCap

Help & FAQ: This is also a good place to look up syntax for calculated field, branching logics or piping.



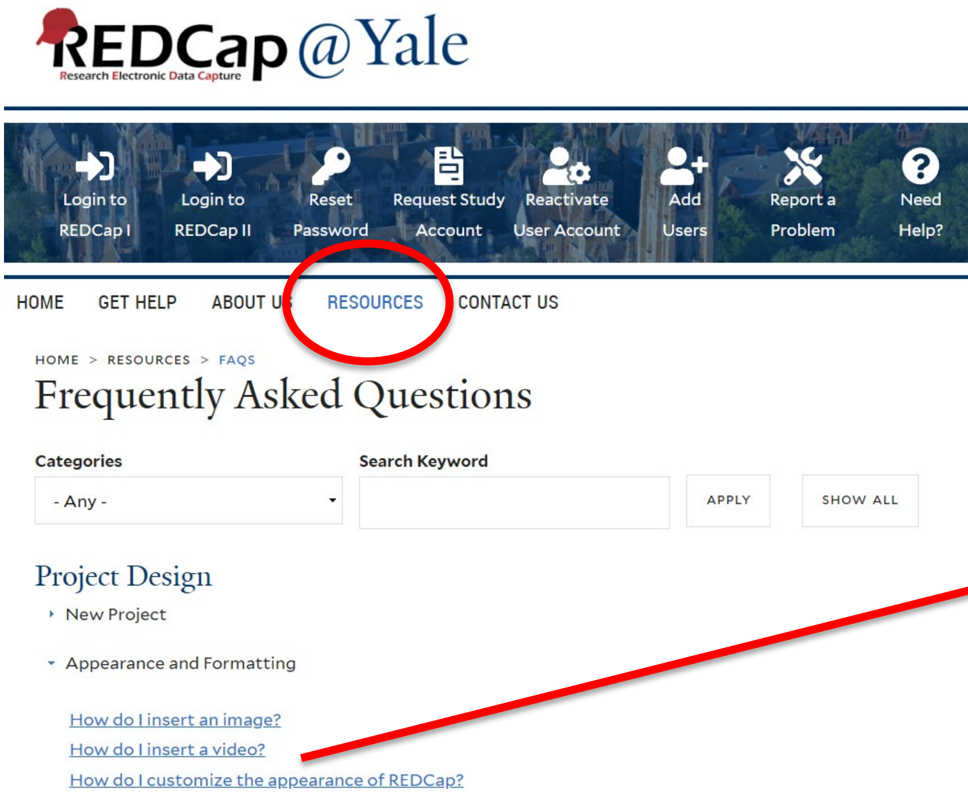
Training Resources: Within REDCap

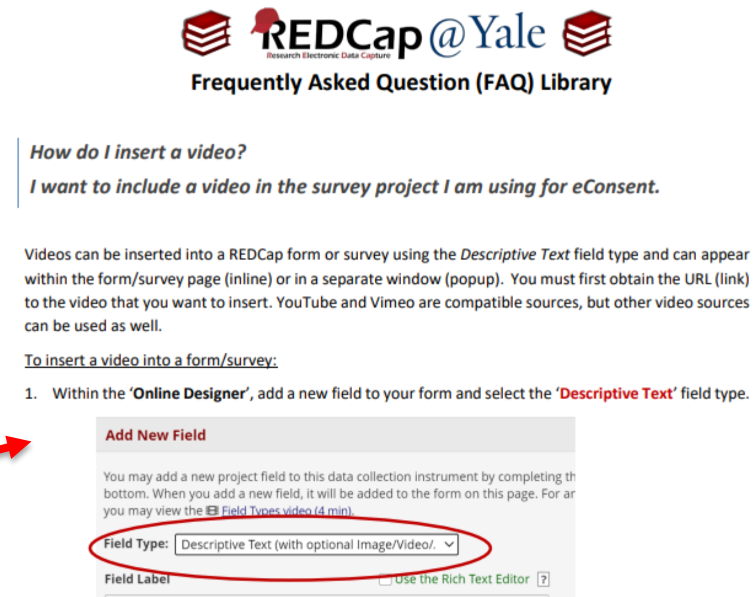
‘How to’ links throughout REDCap. For example, in online designer:



Training Resources: REDCap@Yale Website

Library of step-by-step tutorials to address commonly asked questions from our Yale end-users:





QUESTIONS?

VERY BRIEF TOUR

REDCap: Homepage

REDCap | PID | Home | My Projects | + New Project | Help & FAQ | Training Videos | Messenger | Control Center | Logged in as **bt24** | Profile | Log out

Yale University REDCap

REDCap at Yale University

REDCap@Yale

OUR MISSION

To promote excellence through empowerment, on an informatics platform that encourages innovation and collaboration.

ADDITIONAL LINKS

Check out our portal website

REDCap@Yale activity charts

Welcome to REDCap!

REDCap is a secure web platform for building and managing online databases and surveys. REDCap's streamlined process for rapidly creating and designing projects offers a vast array of tools that can be tailored to virtually any data collection strategy.

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.

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 the REDCap@Yale team.

REDCap Features

Build online surveys and databases quickly and securely in your browser - Create and design your project using a secure login from any device. No extra software required. Access from anywhere, at any time.

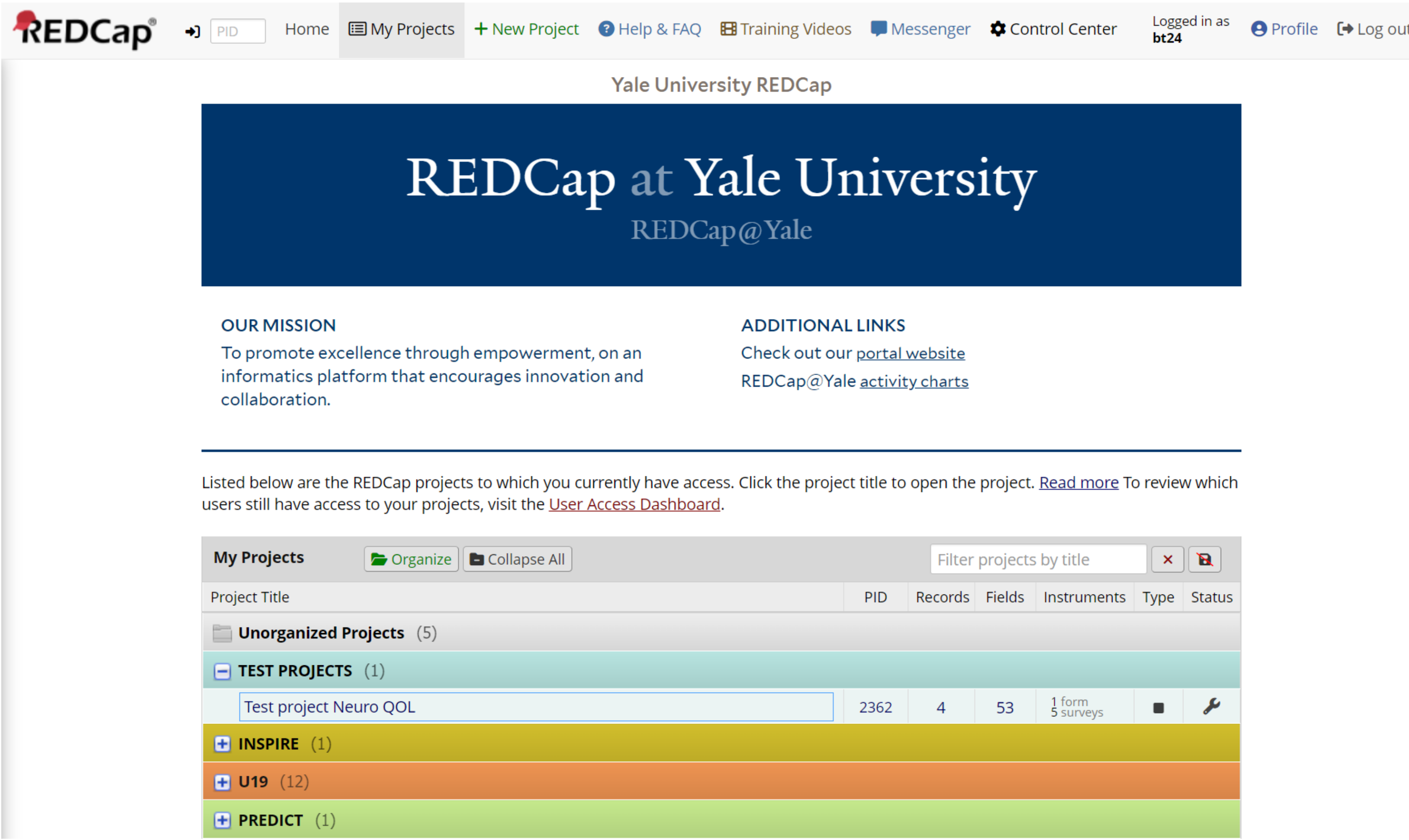
Fast and flexible - Go from project creation to starting data collection in less than one day. Customizations and changes are possible any time, even after data collection has begun.

Advanced instrument design features - Auto-validation, calculated fields, file uploading, branching/skip logic, and survey stop actions.

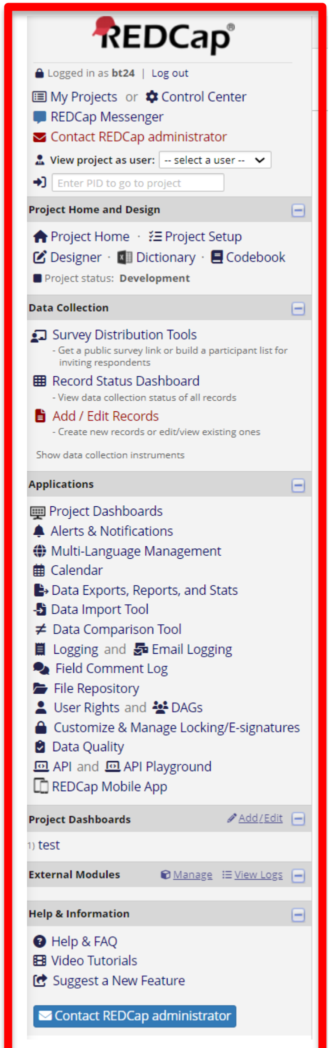
e-Consent - Perform informed consent electronically for participants via survey.

Diverse and flexible survey distribution options - Use a list of email addresses or phone numbers for your survey respondents and automatically contact them with personalized messages, and track who has responded. Or

REDCap: My Projects



REDCap: Project Navigation Bar

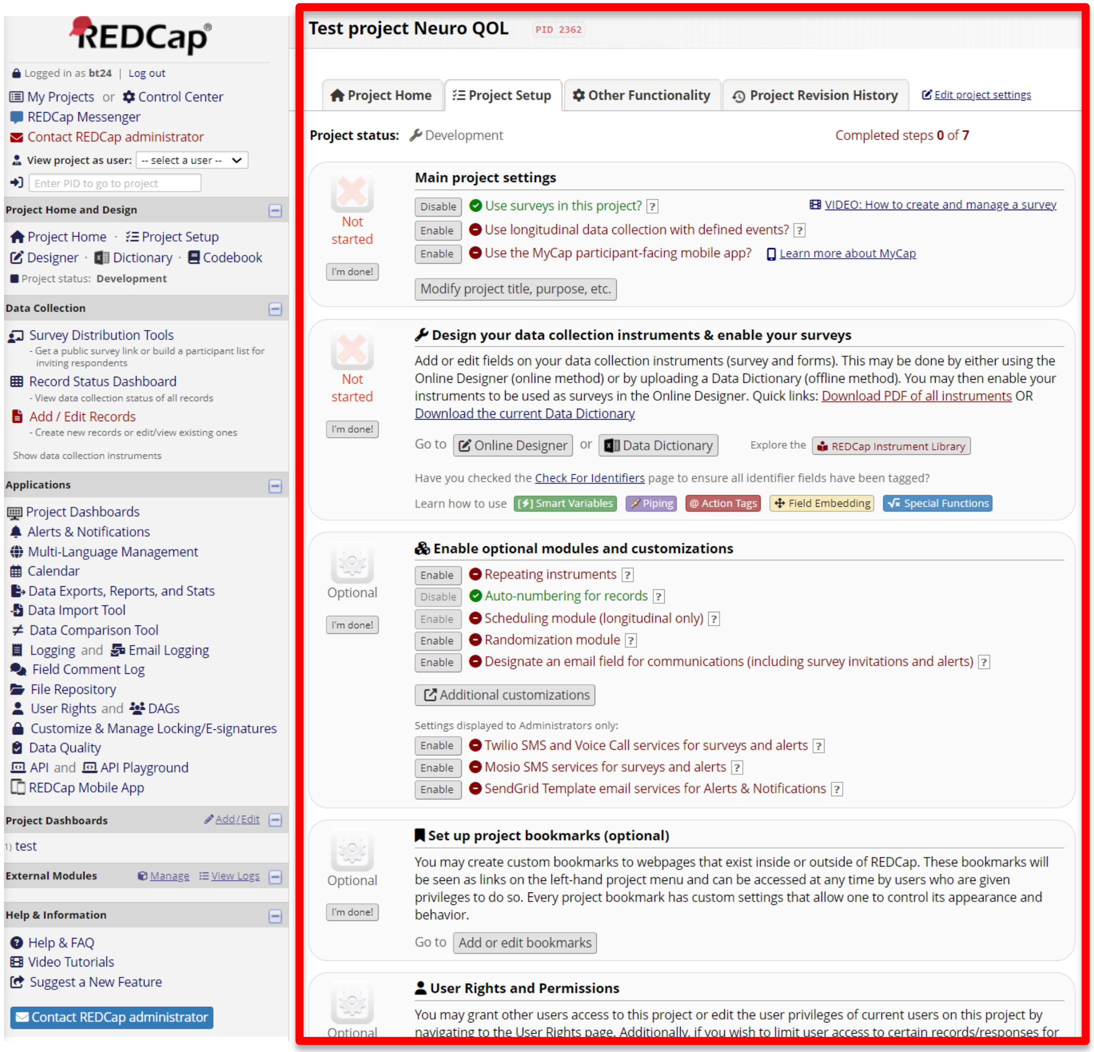


Access to most parts of REDCap:

- Project design pages
- Data Collection
- Applications
- Reports and Dashboards
- Help and Training

Your Navigation Bar will vary based on your user rights

REDCap: Project Setup



SETTING UP YOUR PROJECT:

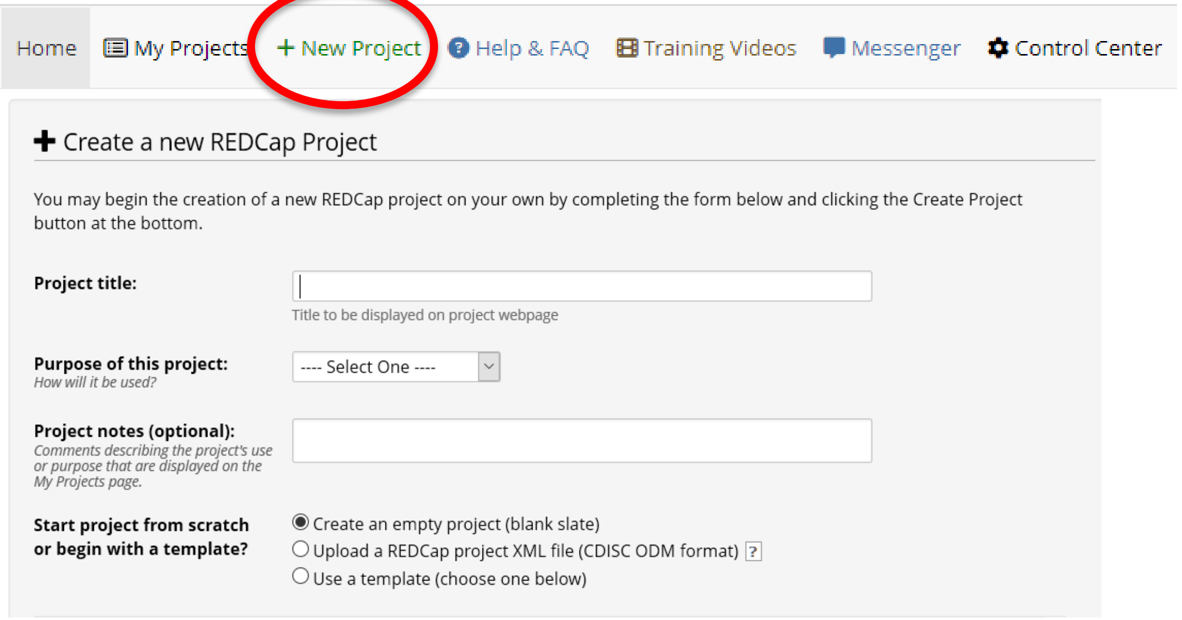
WHERE DO I BEGIN?

How do I create a new project in REDCap?

REDCap FAQ
Project Design

Click the '+New Project' tab, complete the form

- Remember to enter the PI and study information



- After we verify you have a study account, we will create the project and notify you via email within 1-2 business days.

Big Picture Questions

What type of project is needed?

- Classic Database
  - Each form can only be completed at one time point
  - One record per subject.
- Longitudinal
  - Data collected multiple times per subject
  - Fixed number of collection points that correspond to pre-defined events (e.g. baseline, 3mo. follow-up, 6mo. follow-up, 1yr follow-up)
  - Optional scheduling via a project calendar
  - Can have multiple study arms

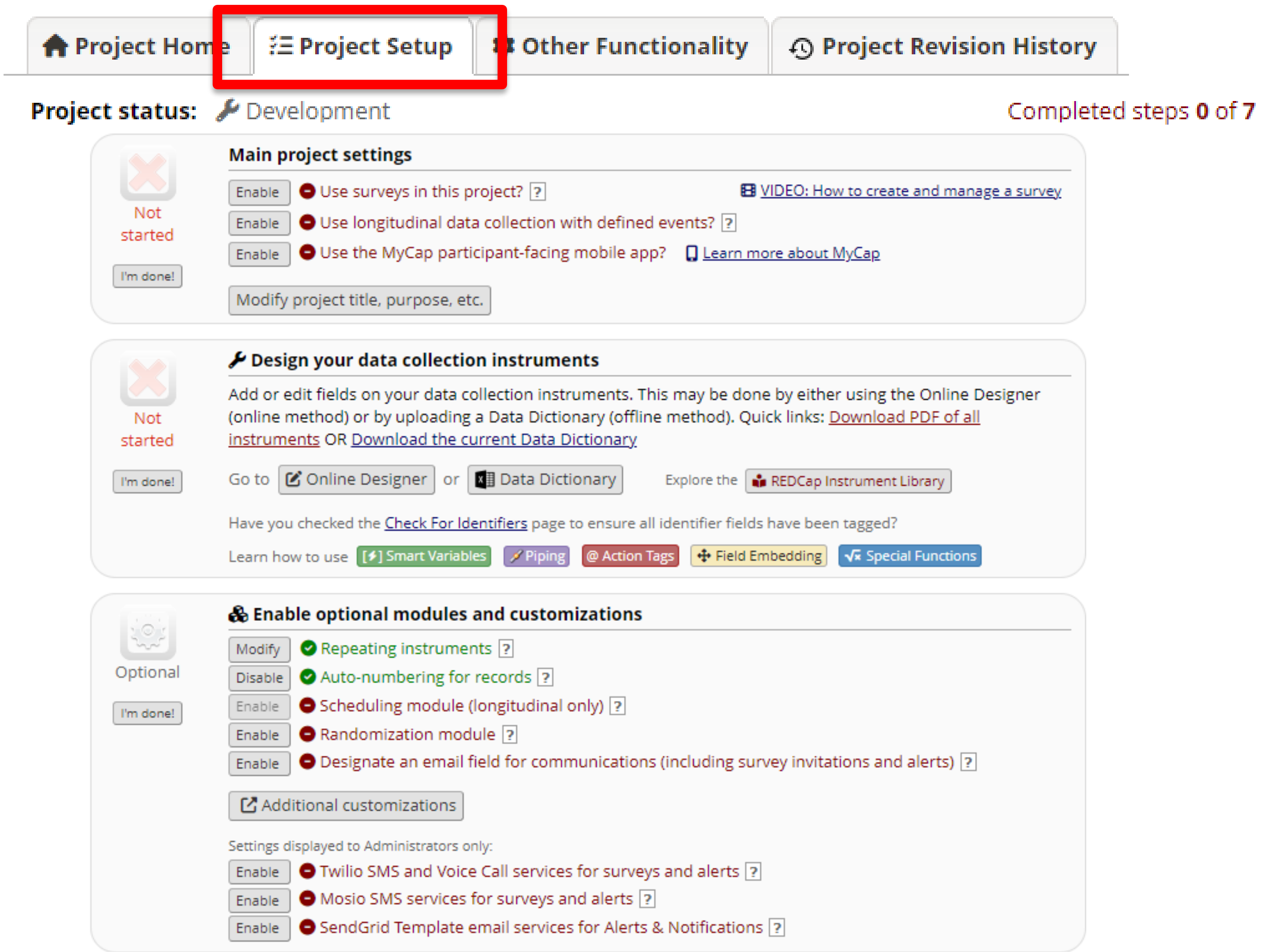
Big Picture Questions

How will you collect the data?

- Data Entry
  - Data entered by REDCap users (i.e. research staff)
  - Offline data collection available via mobile app
- Survey
  - Online survey completed by participants
  - Participants do not need to have a Yale NetID

A project can have both
surveys and data entry forms.

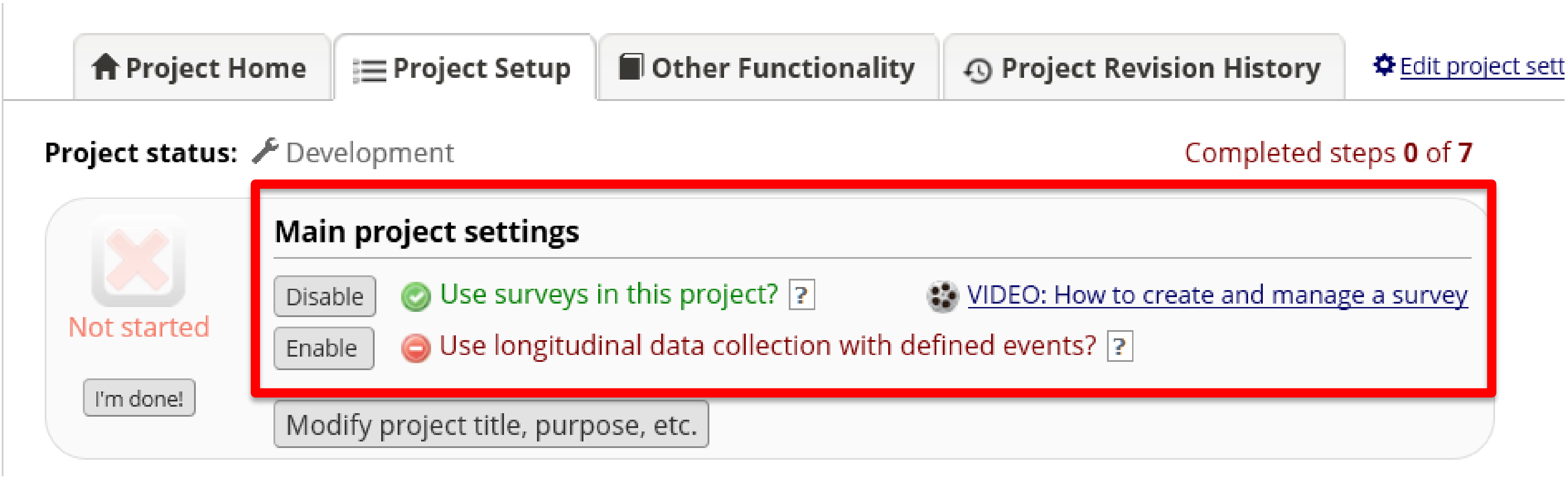
How to Set Up your Project



Project Setup: Enable Settings

If applicable:

- Enable survey setting
- Enable longitudinal setting

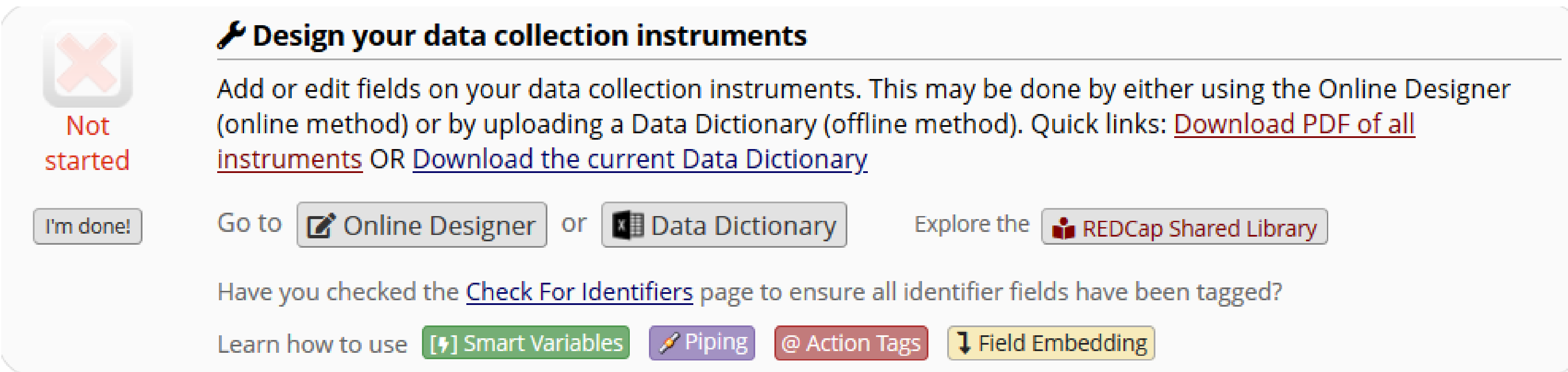


Project Setup: Build your Instruments

Design your project instruments

Method 1: Online Designer

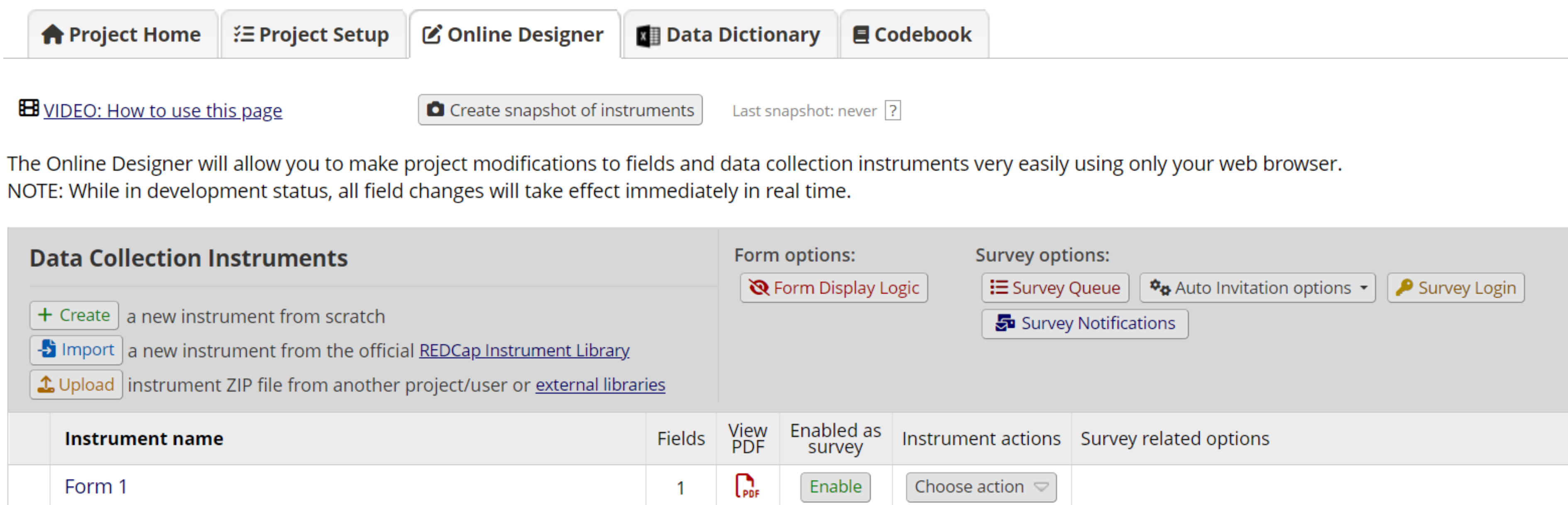
Method 2: Data Dictionary



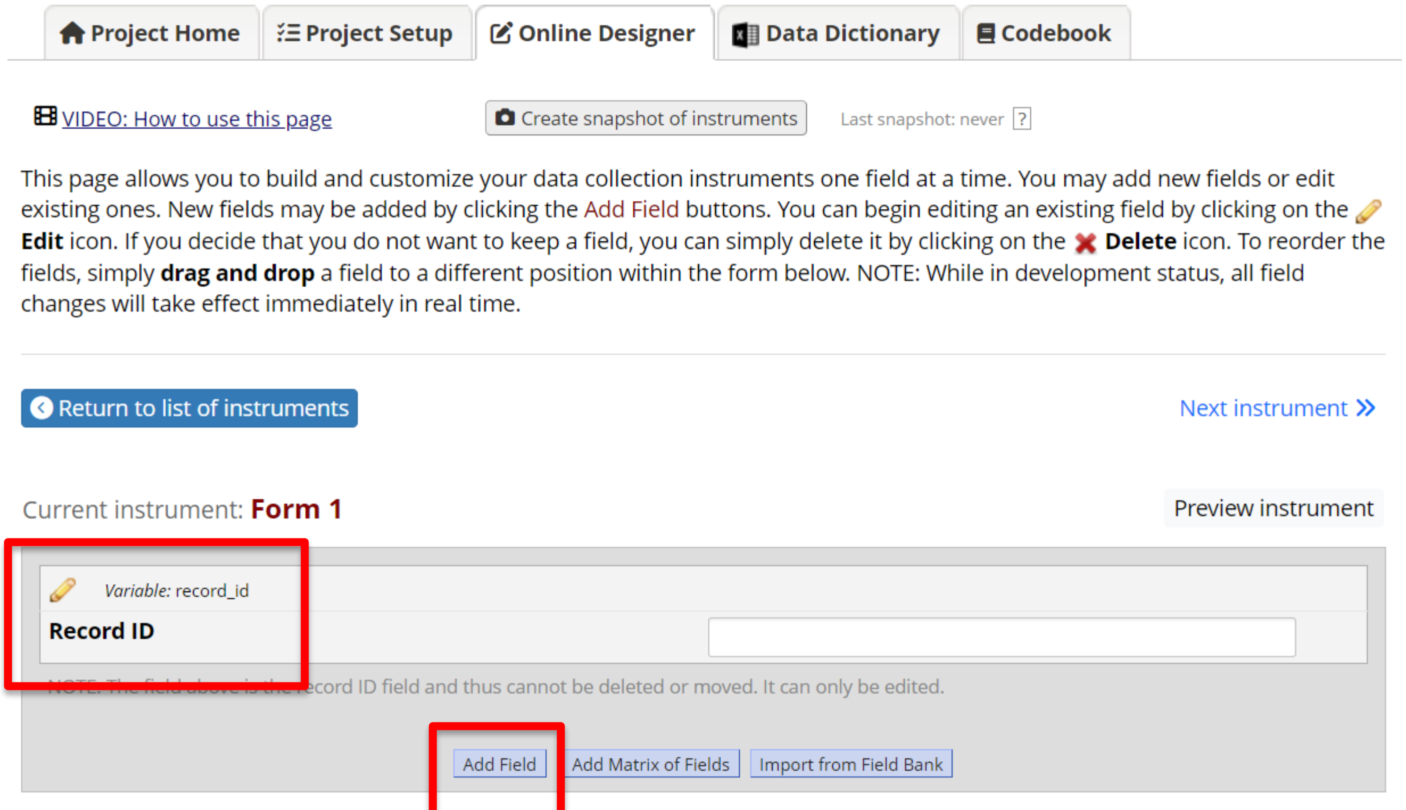
Project Set Up: Building with the Online Designer

Online Designer

- Allows you to create/modify/delete data collection instruments and fields (questions) in your web browser.
- Changes are made in real time and available immediately for review and testing.



Project Set Up: Building with the Online Designer



This field’s value can be auto-assigned by REDCap

(Project Setup → Enable optional modules → Enable auto-numbering for records)

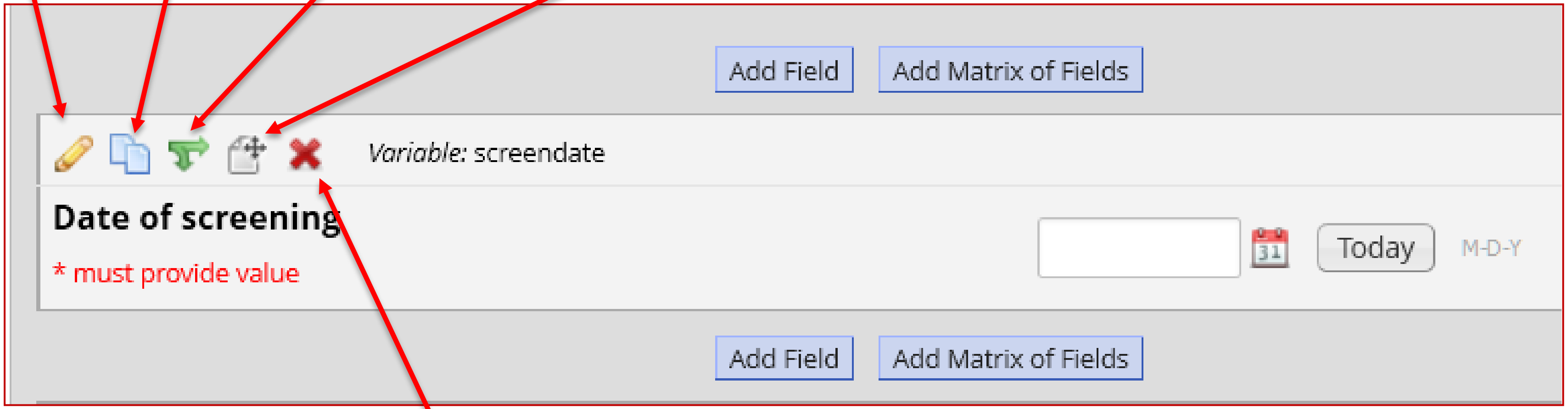
Project Set Up: Building with the Online Designer

1. Edit field

2. Copy field

3. Specify branching logic

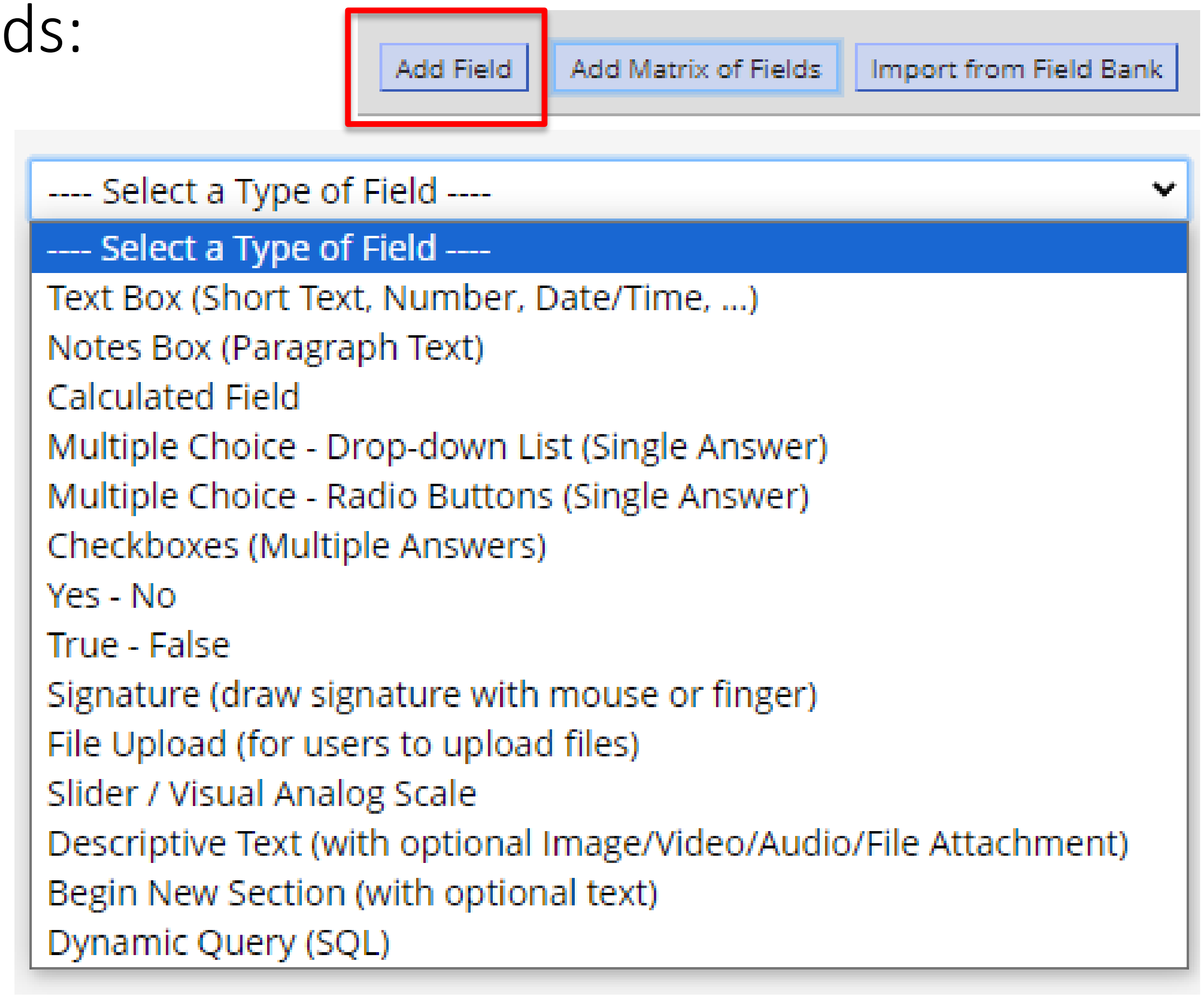
4. Move field (can move to other form)



5. Delete field

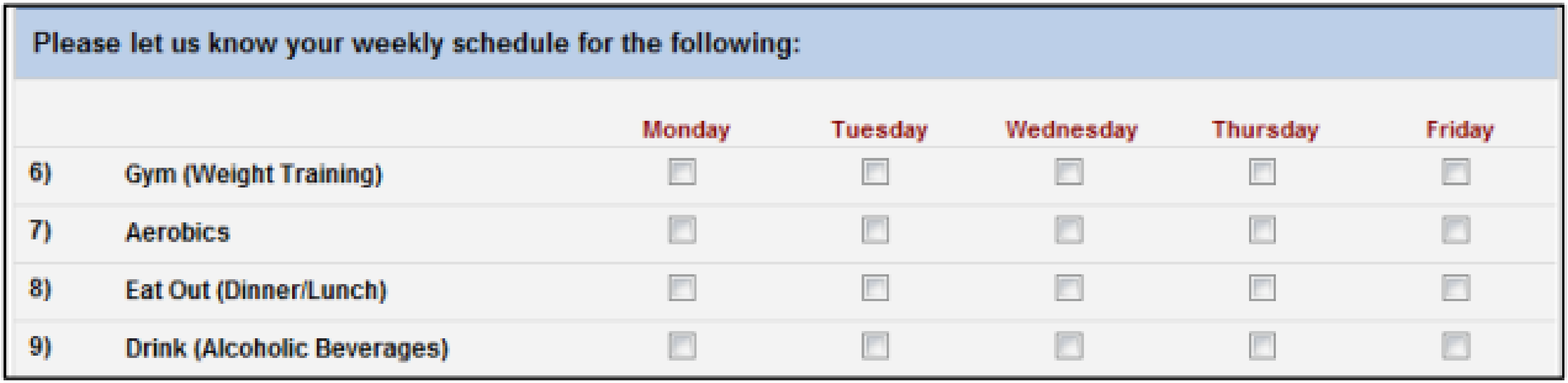
Building Forms: Field Types

Standard fields:



Building Forms: Field Types

Matrix fields:



Please let us know your weekly schedule for the following:

		Monday	Tuesday	Wednesday	Thursday	Friday
6)	Gym (Weight Training)	☐	☐	☐	☐	☐
7)	Aerobics	☐	☐	☐	☐	☐
8)	Eat Out (Dinner/Lunch)	☐	☐	☐	☐	☐
9)	Drink (Alcoholic Beverages)	☐	☐	☐	☐	☐

Building Forms: Field Name

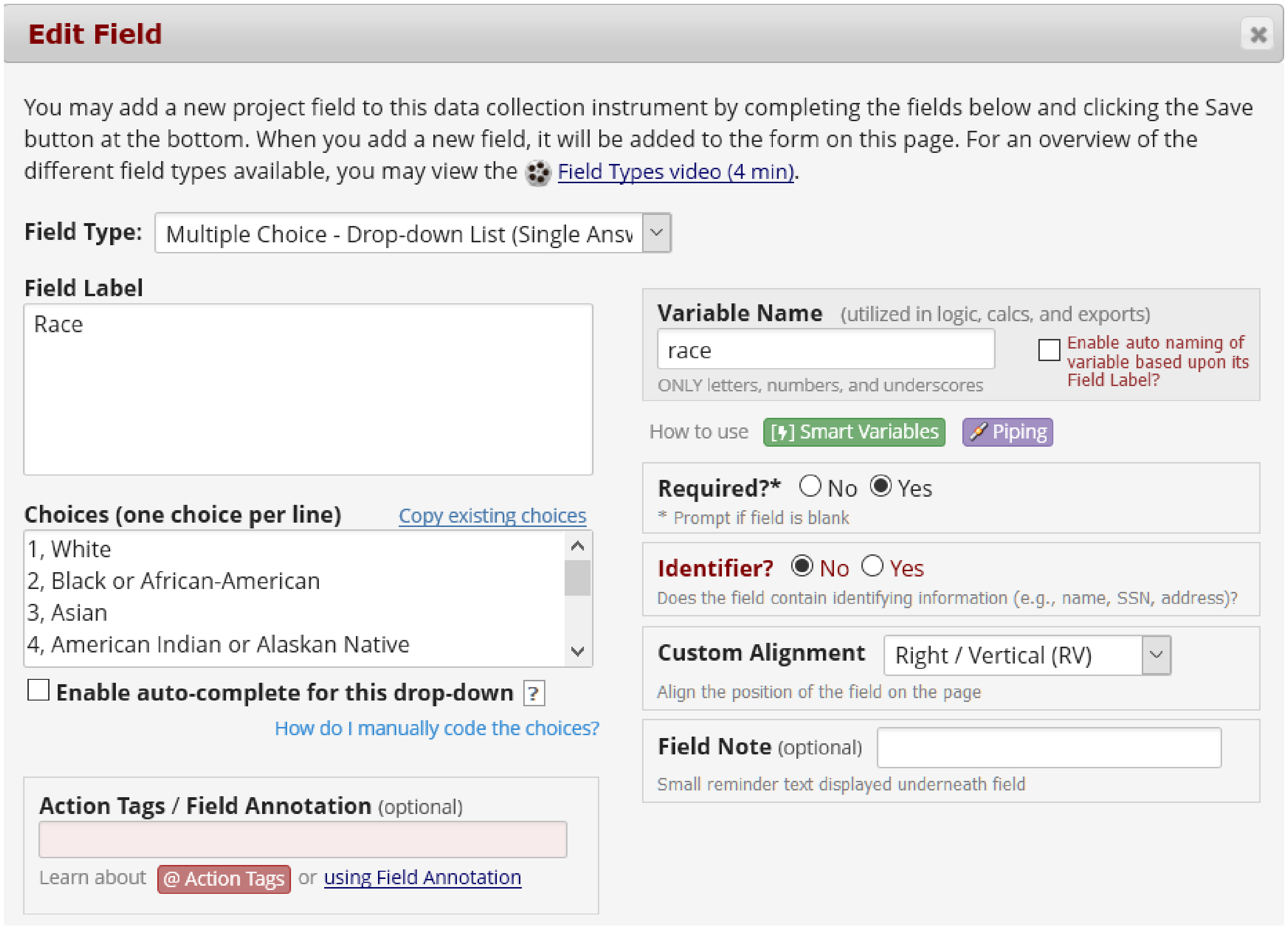
- Each field name must be:
  - Unique
  - Lowercase
  - Contain fewer than 26 characters
  - Contain only letters, numbers, and underscores

- In general, field names should be as short in length as possible and maintain meaning.

Instead of 'demographics_q1' or 'what_was_your_sex_at_birth',

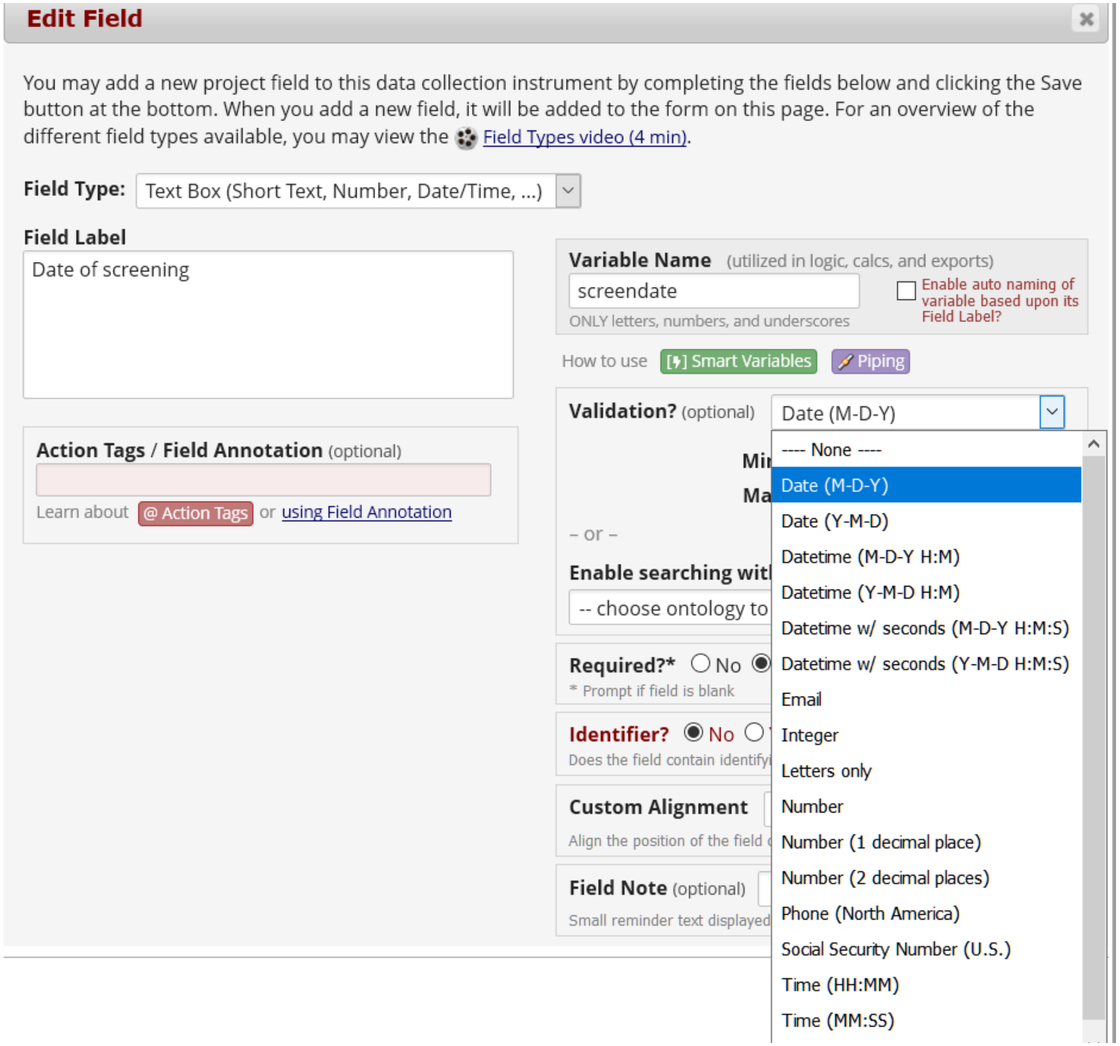
use 'birth_sex'!

Building Forms: Drop Down Field



Building Forms: Using Field Validation

Validation is an important tool that can be used to prevent errors. It also helps when exporting data to statistical packages.

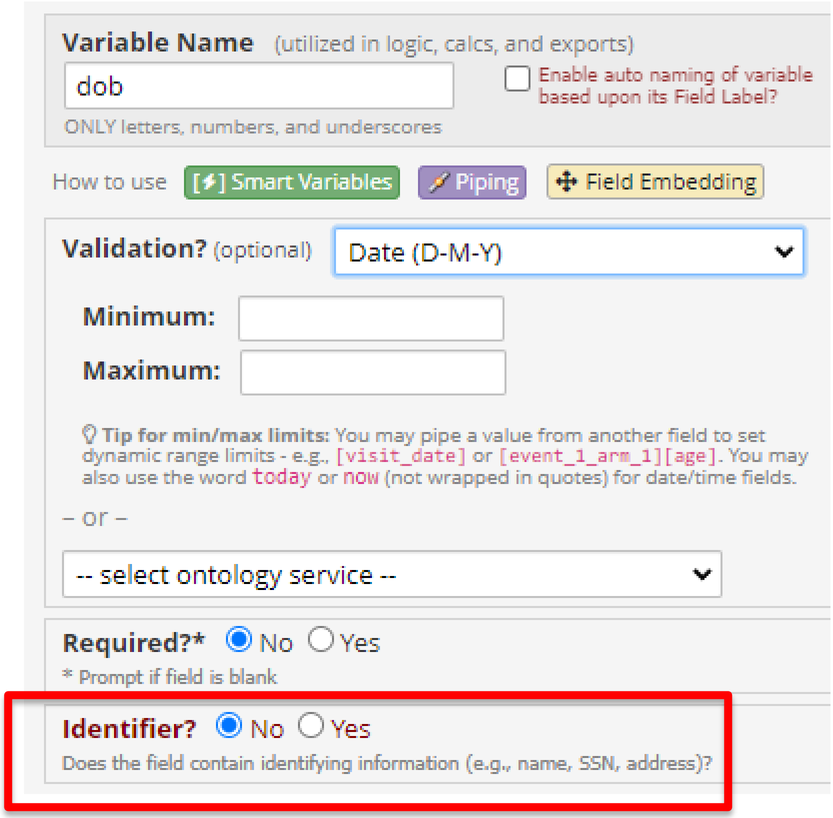


Building Forms: Tagging Identifiers

Fields that constitute protected health information (PHI) can be marked as an “Identifier”

These fields can then be excluded on data export, allowing for analysis of “de-identified” data

Users can also be restricted in their ability to export Identifier fields based on access rights



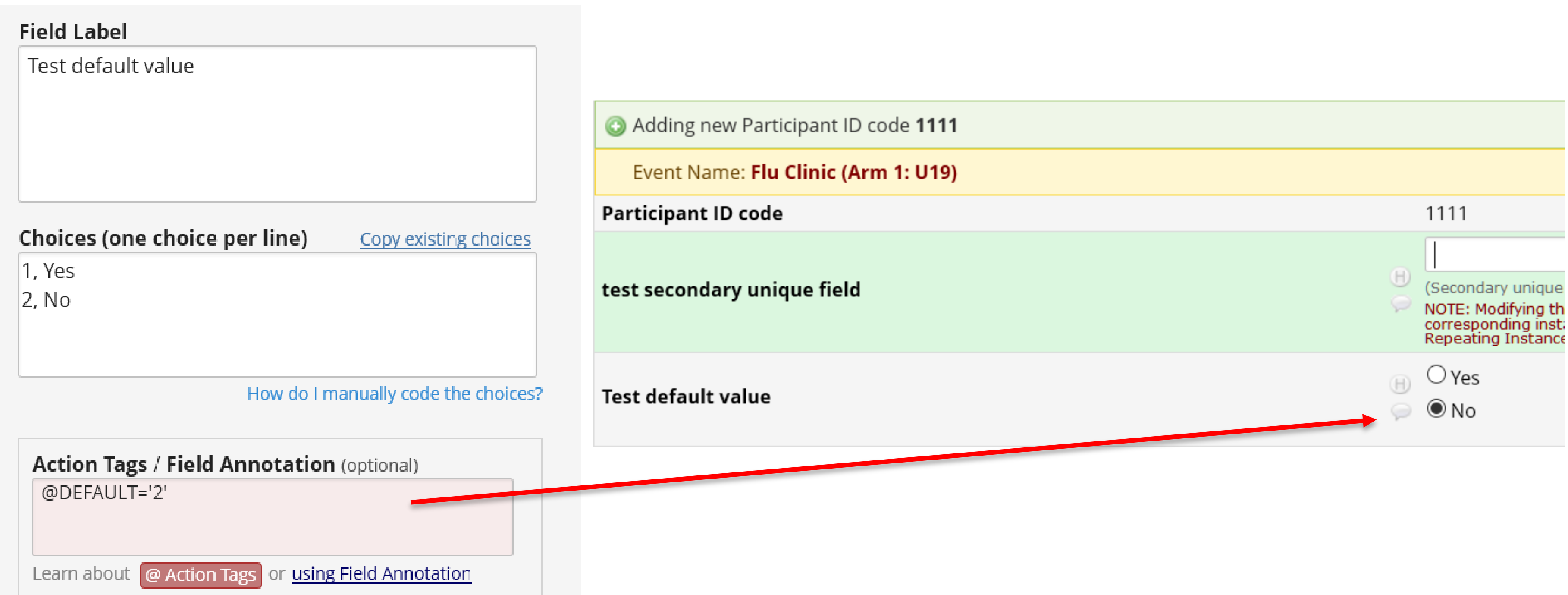
QUESTIONS?

Building Forms: Action Tags

REDCap FAQ
Features-Basic

Action tags allow you to modify fields in very specific ways. Once applied, a corresponding action is performed.

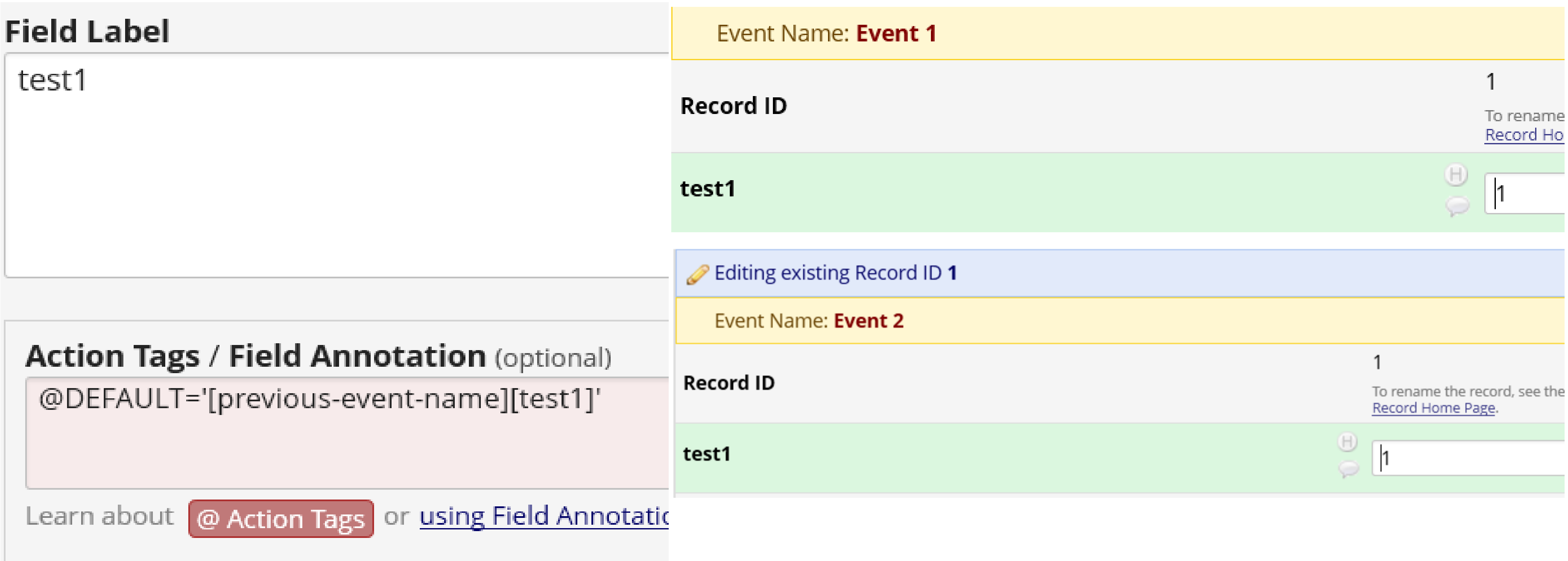
In REDCap, action tags begin with the '@' sign and are placed inside a field's “Action Tags/Field Annotation” box.



Building Forms: Smart Variables

Allow reference information other than data fields (e.g., event, repeat instance, DAG or users)

Example: Set the default value of a field to be the value of the previous event.



Building Forms: Smart Variables

Smart Variables

Name of Smart Variable	Description	Example of Usage	
		Example input	Example output
User			
[user-name]	The current user's REDCap username.	[user-name]	jane_doe
[user-fullname]	The current user's first and last name (as listed on their My Profile page).	[user-fullname]	Jane Doe
[user-email]	The current user's primary email address (as listed on their My Profile page).	[user-email]	jane.doe@example.edu
[user-dag-name]	The Data Access Group (the unique group name) to which the current user belongs (blank if not in a DAG).	[user-dag-name]	vanderbilt_group
[user-dag-id]	The group ID number of the Data Access Group to which the current user belongs (blank if not in a DAG).	[user-dag-id]	324
[user-dag-label]	The name/label of the Data Access Group to which the current user belongs (blank if not in a DAG).	[user-dag-label]	Vanderbilt Group
Record			
[record-name]	The record name of the current record.	[record-name]	108
[record-dag-name]	The Data Access Group (the unique group name) to which the current record belongs (blank if not in a DAG).	[record-dag-name]	harvard_site
[record-dag-id]	The group ID number of the Data Access Group to which the current record belongs (blank if not in a DAG).	[record-dag-id]	96
[record-dag-label]	The name/label of the Data Access Group to which the current record belongs (blank if not in a DAG).	[record-dag-label]	Harvard Site
Form			
[is-form]	Detects if the current instrument is being viewed as a data entry form (returns 1 for True, 0 for False), as opposed to a survey.	[is-form]	1

[⚡] Smart Variables

Close

Building Forms: Smart Variables Examples

- Survey duration

  [survey-duration-completed:demographics]

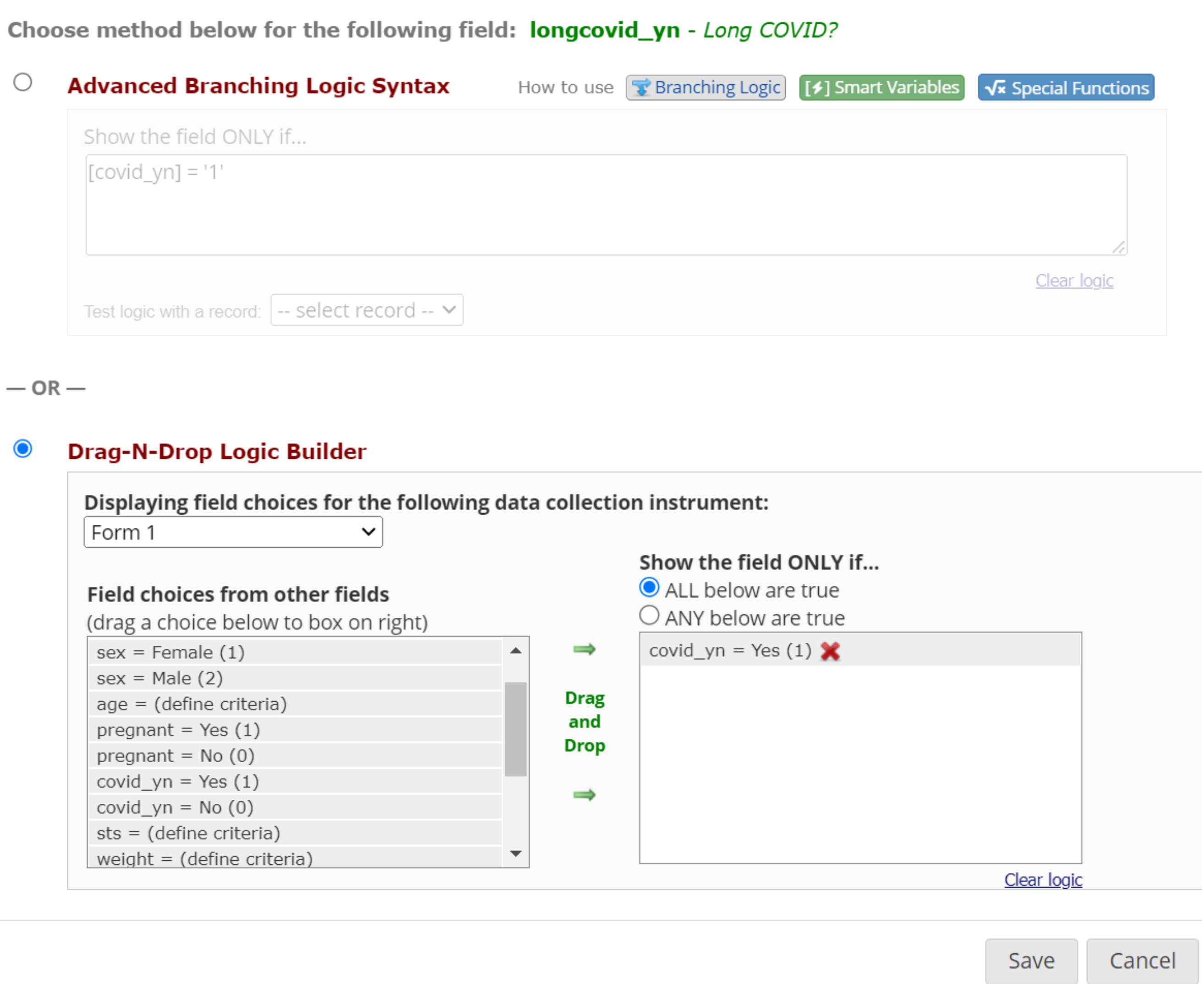
- Auto-capture user's name

  @DEFAULT='[user-name]'

- Branching logic based on event name

  [event-name]='baseline_arm_1'

Building Forms: Branching Logic



You can use fields on the current data entry form OR other forms

If fields from different events are used in branching logic, the field name needs to be preceded by an event name, e.g. [screening_arm_1][field1]

Building Forms: Piping

Without Piping:

What kind of ice cream do you like?	Chocolate Strawberry Vanilla reset
How often do you eat ______ ice cream?	Once a week Twice a week Three times a week reset

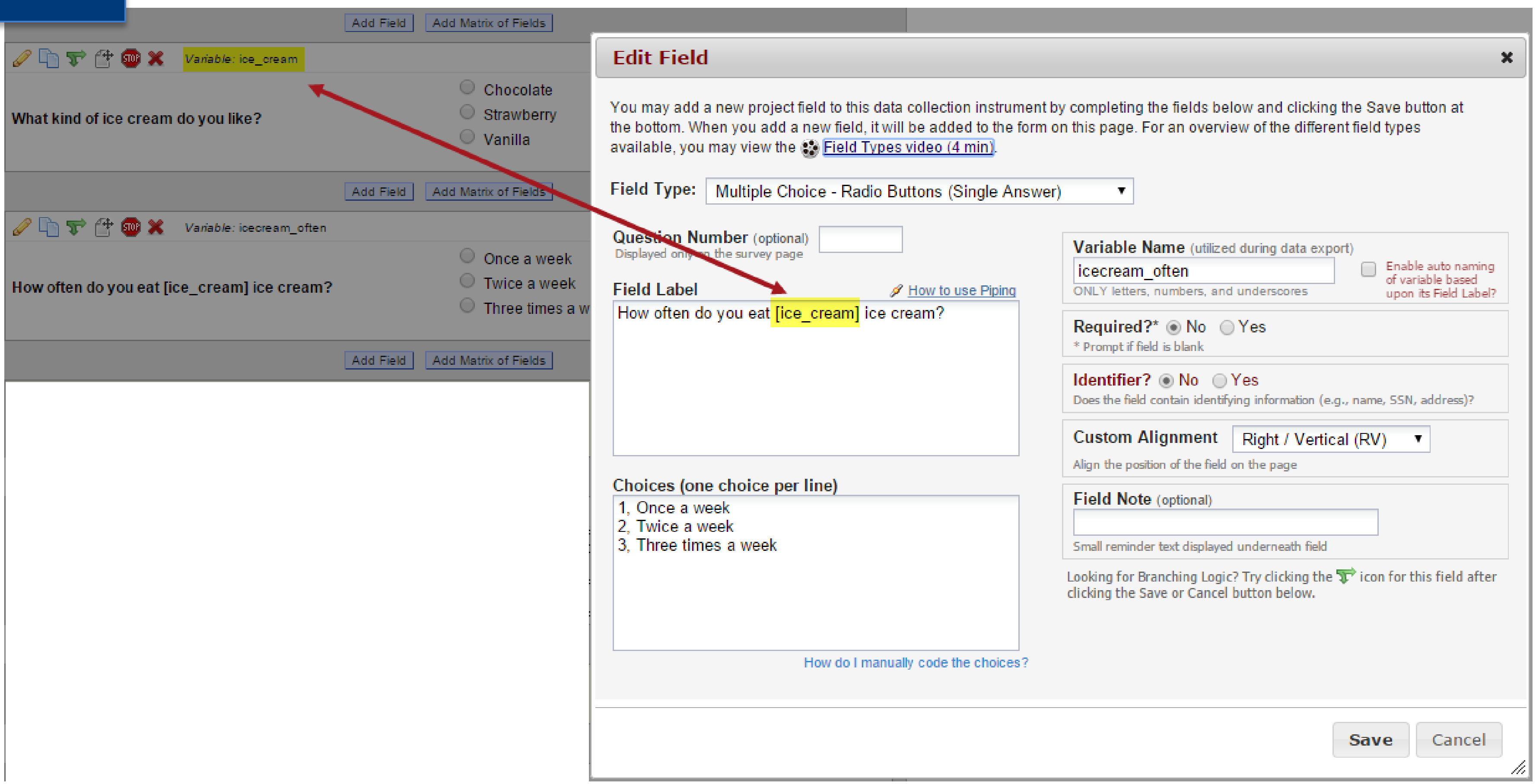
With Piping:

What kind of ice cream do you like?	Chocolate Strawberry Vanilla reset
How often do you eat Chocolate ice cream?	Once a week Twice a week Three times a week reset

Building Forms: Piping

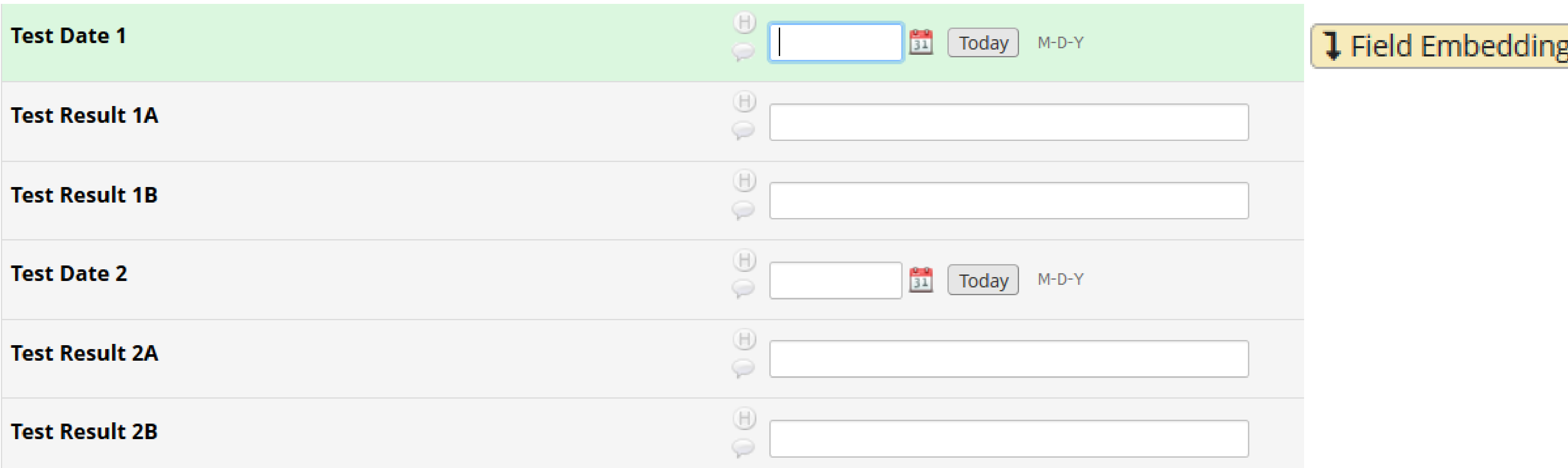
REDCap FAQ
Features-Basic

How to use piping:

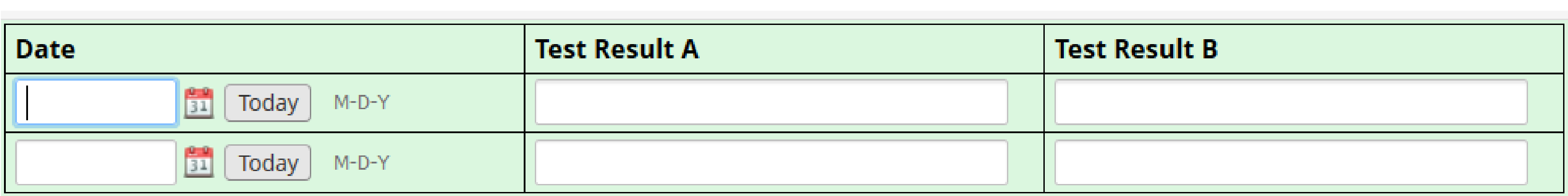


Building Forms: Field Embedding

Without field embedding:

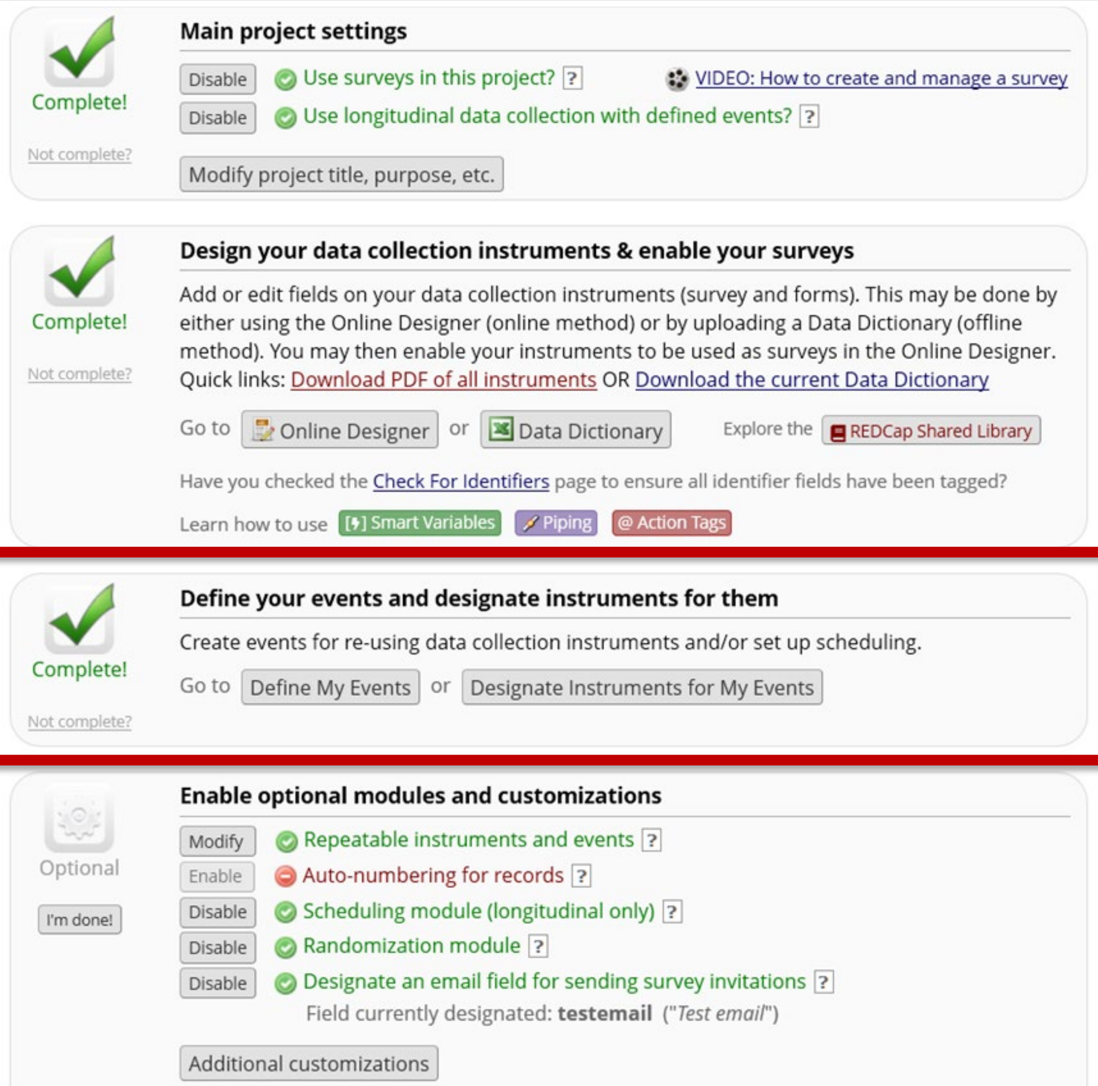


With field embedding:



QUESTIONS?

How to Set Up your Project



How to Define Events

WARNING:
Deleting any events below will result in data loss. Please proceed with caution.

Upload or download arms/events

Arm 1: U19 | **Arm 2:** IMAGIN | +Add New Arm

Arm name: **U19**

Rename Arm 1 | Delete Arm 1

	Event #	Days Offset	Offset Range Min / Max	Event Name	Custom Event Label (optional)	Unique event name (auto-generated)
	1	0	-0/+0	Flu Clinic		flu_clinic_arm_1
	2	2	-0/+2	Day 2-4 Blood Draw		day_24_blood_draw_arm_1
	3	7	-0/+0	Day 7 Blood Draw		day_7_blood_draw_arm_1
	4	28	-0/+0	Day 28 Blood Draw		day_28_blood_draw_arm_1
	5	70	-0/+0	Day 70 Blood Draw		day_70_blood_draw_arm_1
	6	100	-0/+0	Non-Flu Blood Draw		nonflu_blood_draw_arm_1
Add new event		Days Convert from other units	- 0 + 0	Descriptive name for this event	Custom Event Label (optional) Example: [visit_date], [weight] kg	

Unique event name is auto-generated.

This is where you will find the event names for use in branching logic.

How to Designate Instruments to Events

Upload or download instrument mappings

Arm 1: U19 | **Arm 2:** IMAGIN

Arm name: **U19**

Begin Editing | Save

Select All | Deselect All

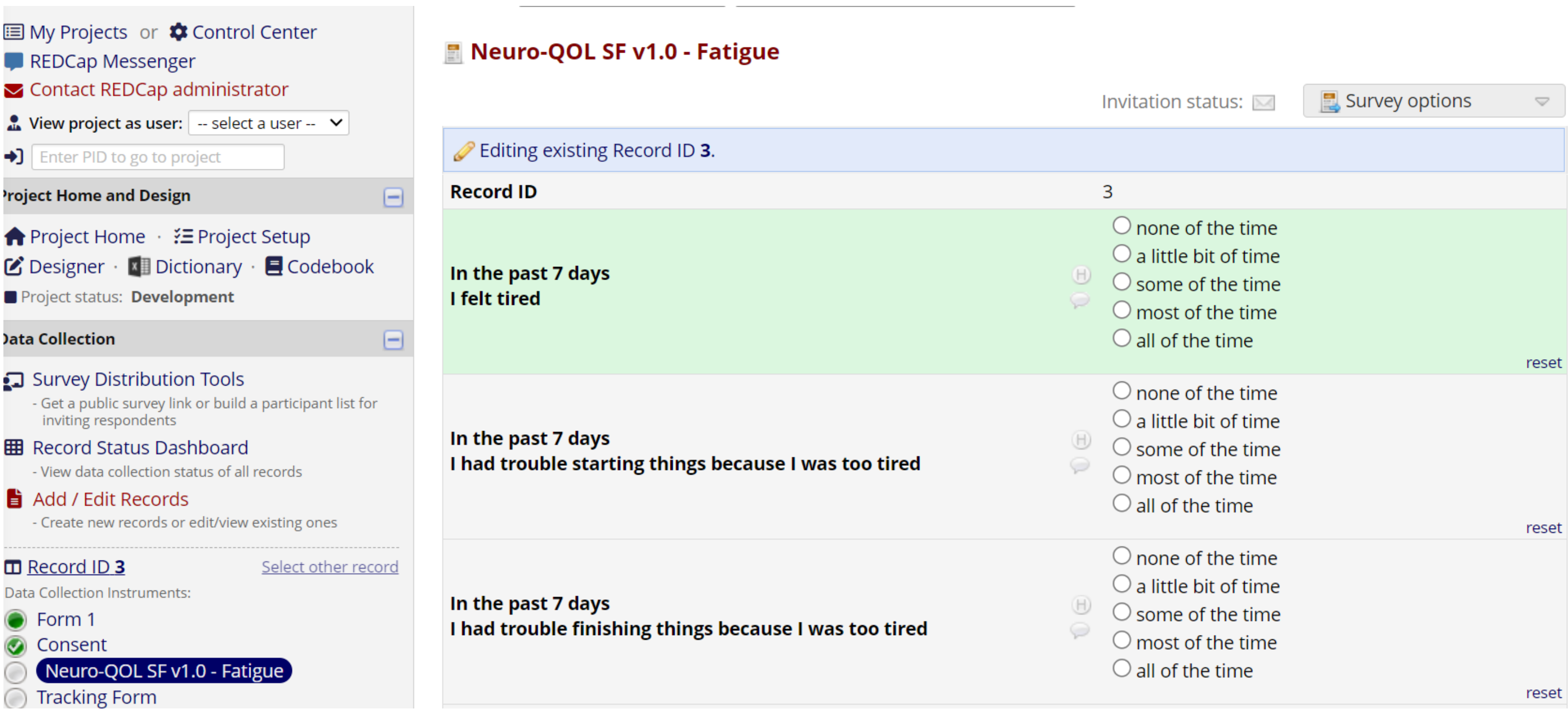
Data Collection Instrument	Flu Clinic (1)	Day 2-4 Blood Draw (2)	Day 7 Blood Draw (3)	Day 28 Blood Draw (4)	Day 70 Blood Draw (5)	Non-Flu Blood Draw (6)
Screening & Enrollment Form	☑	☐	☐	☐	☐	☐
Phone Interview	☑	☐	☐	☐	☐	☐
Blood Draw Form	☑	☑	☑	☑	☑	☐
Frailty Assessment	☑	☐	☐	☐	☐	☐
Study Withdrawal	☑	☐	☐	☐	☐	☐
Genetic Data Repository Consent	☑	☐	☐	☐	☐	☐
Additional Blood Draw Form (Non-Flu)	☐	☐	☐	☐	☐	☑

The event list and instrument mappings can be downloaded from one project and uploaded to another project.

SURVEYS

Surveys

Not enabled as a survey:



Enabled as a survey

Neuro-QOL SF v1.0 - Fatigue

A A A

English

Please complete the survey below.

Thank you!

In the past 7 days **I felt tired**	○ none of the time ○ a little bit of time ○ some of the time ○ most of the time ○ all of the time reset
In the past 7 days **I had trouble starting things because I was too tired**	○ none of the time ○ a little bit of time ○ some of the time ○ most of the time ○ all of the time reset
In the past 7 days **I had trouble finishing things because I was too tired**	○ none of the time ○ a little bit of time ○ some of the time ○ most of the time ○ all of the time reset

How to Set Up a Survey

Enable any form as a survey in Online Designer

- Open survey setting; configure the survey

Instrument name	Fields	View PDF	Enabled as survey	Instrument actions	Survey related options
Participant Information	17	PDF	Enable	Choose action	
Prior Study Data	41	PDF	Enable	Choose action	
Communication Log	17	PDF	Enable	Choose action	
Consent Form	0	PDF		Choose action	Survey settings + Automated Invitations

Survey features:

- Schedule automated survey invitations
- Set up a survey queue
- Create unique login code for survey respondents
- Set up researcher notifications upon survey completion

How to Send Surveys to Participants

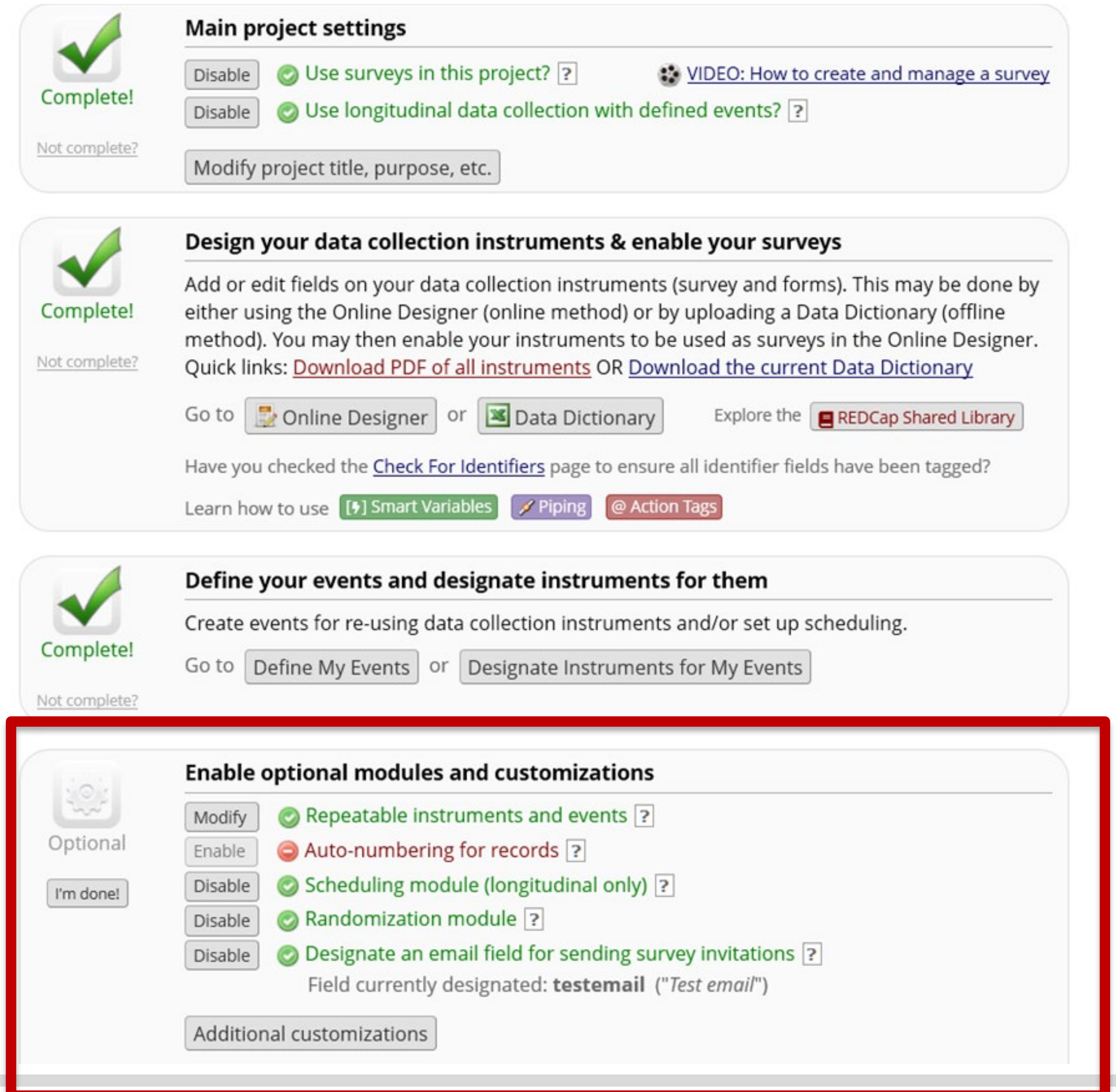
REDCap FAQ
Surveys

- Anonymous: Use the public survey link. Survey must be the first form; record will be created as each survey is completed.

- Non-anonymous: Designate an email field for sending survey (recommended method).

REDCap has many advanced features that can be used for setting up surveys. This will be covered in the survey development training.

How to Set Up your Project



QUESTIONS?

FINAL STEPS BEFORE IMPLEMENTATION:

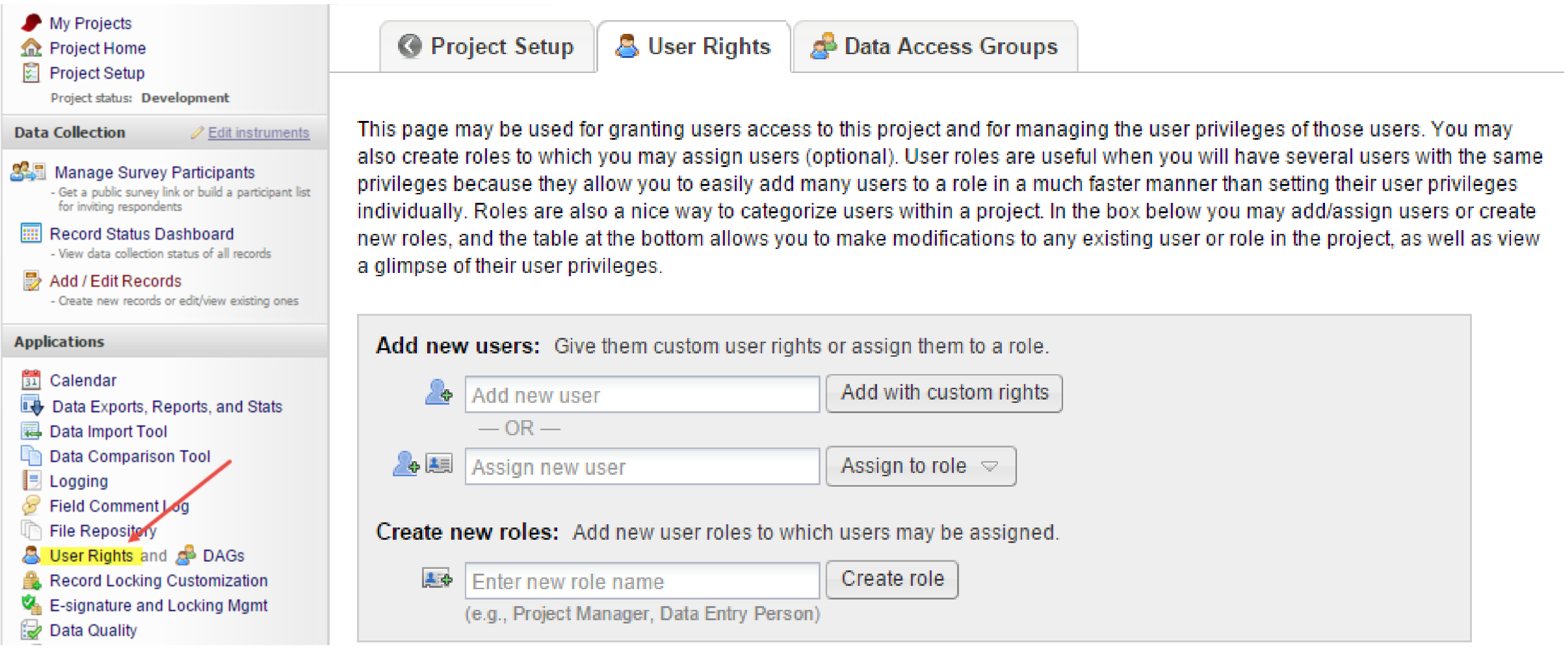
USER RIGHTS AND TESTING

Granting User Rights in REDCap: Individual Users

REDCap FAQ
Data Security & Protection

User access can be set up by "Custom Right" or "Role Based" access

- Best Practice: "Role Based" access



Granting User Rights in REDCap: Individual Users and User Roles

Basic Rights:
Access to the Project

Viewing and Exporting Data:
Access to Individual Forms

Basic Privileges

Expiration Date (M/D/Y)
(if applicable)

Highest level privileges:

- [x] Project Design and Setup
- [x] User Rights
- [x] Data Access Groups

Other privileges:

- [x] Survey Distribution Tools
- [x] Alerts & Notifications
- [x] Calendar
- [x] Add/Edit/Organize Reports
  Also allows user to view ALL reports (but not necessarily all data in the reports)
- [x] Stats & Charts
- [x] Data Import Tool
- [x] Data Comparison Tool
- [x] Logging
- [x] File Repository
- Data Quality — [x] Create & edit rules, [x] Execute rules
  What is Data Quality?

Privileges for Viewing and Exporting Data

Data Viewing Rights pertain to a user's ability to view or edit data on pages in the project (e.g., data entry forms, reports). Users with 'No Access' Data Viewing Rights for a given instrument will not be able to view that instrument for any record, nor will they be able to view fields from that instrument on a report. Data Export Rights pertain to a user's ability to export data from the project, whether through the Data Exports page, API, Mobile App, or in PDFs of instruments containing record data. Note: Data Viewing Rights and Data Export Rights are completely separate and do not impact one another.

	Data Viewing Rights				Data Export Rights			
	No Access (Hidden)	Read Only	View & Edit	Edit survey responses	No Access	De-Identified*	Remove All Identifier Fields	Full Data Set
Participant Information (survey)	○	○	●	☐	○	○	○	●
Consent (survey)	○	○	●	☐	○	○	○	●
Neuro-QOL SF v1.0 - Fatigue (survey)	○	○	●	☐	○	○	○	●
Tracking Form	○	○	●		○	○	○	●

* De-identified means that all free-form text fields will be removed, as well as any date/time fields and Identifier fields.

External Modules: Configuration Permissions

Privileges may be defined regarding whether the user can set or modify the configuration of an External Module that has been enabled on this project. Below are the currently enabled modules. NOTE: Only administrators may modify the module configuration permissions here.

- [x] Announcement Banner*
- [x] Simple Ontology Module*

*Permissions based on user's Project Design/Setup rights

Save Changes | Cancel | Remove user

Granting User Rights in REDCap: Data Access Groups (DAGs)

REDCap FAQ
Data Security & Protection

"Data Access Group" is an advanced feature that is useful for multi-center trials and collaborations, especially for HIPAA compliance.

- Users in a particular Data Access Group can only see records entered by other users in that Data Access Group

Create new groups: Add new data access groups to which users may be assigned.

Enter new group name | Add Group

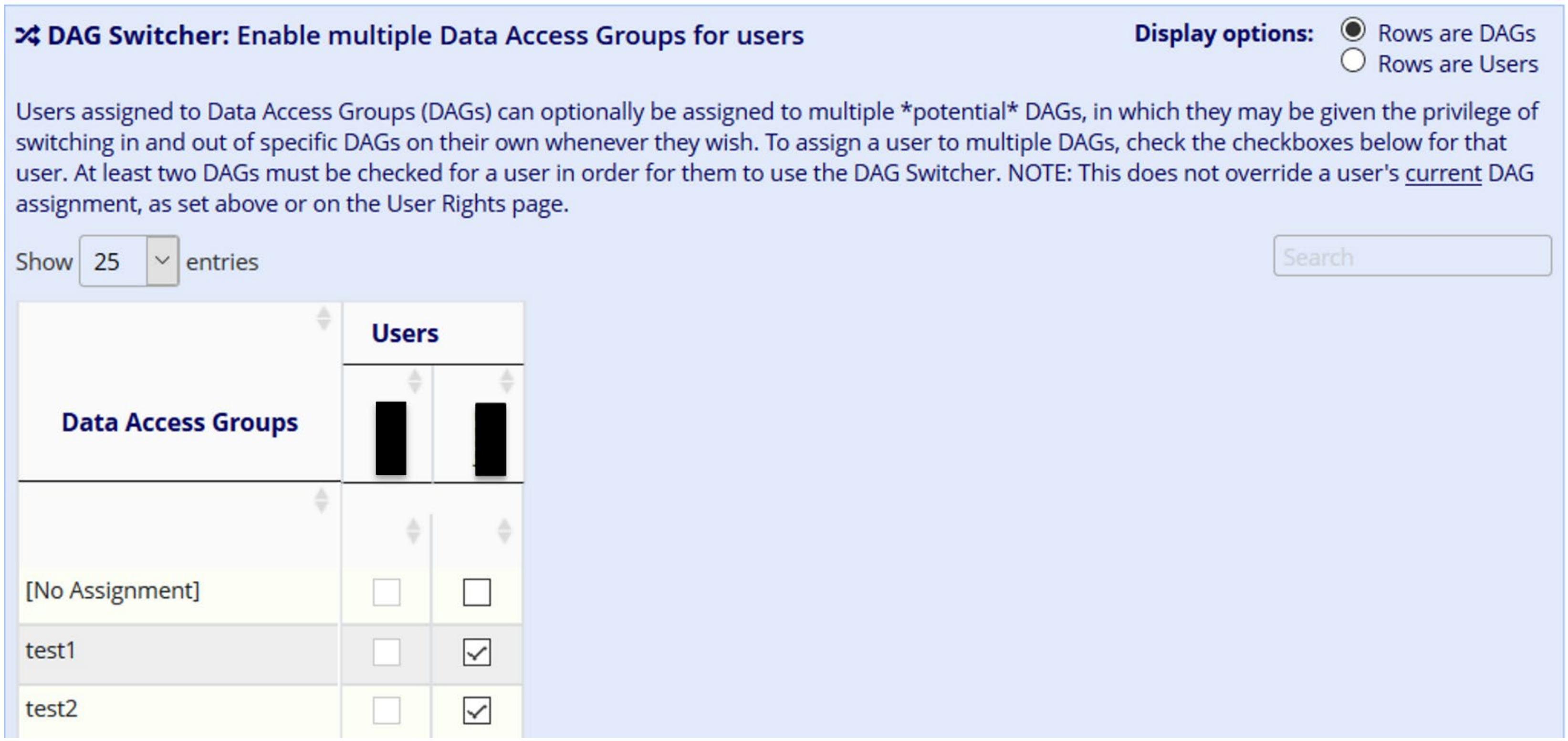
Assign user to a group: Users may be assigned to any data access group.

Assign user -- Select User -- to [No Assignment] Assign

Data Access Groups	Users in group	Number of records in group	Unique group name (auto-generated)	Group ID number	Delete group?
test		5	test	42	✖
test2	[redacted]	1	test2	1823	✖
[Not assigned to a group]	[redacted] * Can view ALL records	134			

Granting User Rights in REDCap: Assigning Users to multiple DAGs

Users can be assigned to more than one DAG using the DAG Switcher setting.



TEST YOUR PROJECT!

Test your project thoroughly

Not started

I'm done!

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.

- Make sure you test your project thoroughly by entering test data.
- Have other users enter data or complete surveys.
- Export the test data to make sure the format can be used for data analysis.

Moving your Project to Production

Not started

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]

Move Project To Production Status?

Are you sure you wish to leave the DEVELOPMENT stage? If you proceed, the project will be moved to PRODUCTION status so that real data may be collected. If you select the 'Delete ALL data' option below, all current collected data, calendar events, and uploaded documents will be deleted, otherwise all will remain untouched as the project is moved to production.

Have you checked the Check For Identifiers page to ensure all identifier fields have been tagged?

Keep existing data or delete?

- Keep ALL data saved so far.
- Delete ALL data, calendar events, documents uploaded for records/responses, survey responses (if applicable), and any logging events pertaining to data collection.

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.

[YES, Move to Production Status] [Cancel]

QUESTIONS?

Using Data Exports, Reports and Stats

Exporting Data

REDCap FAQ
Data Security & Protection

You can export the entire dataset or select forms/fields

Data Exports, Reports, and Stats

VIDEO: How to use Data Exports, Reports, and Stats

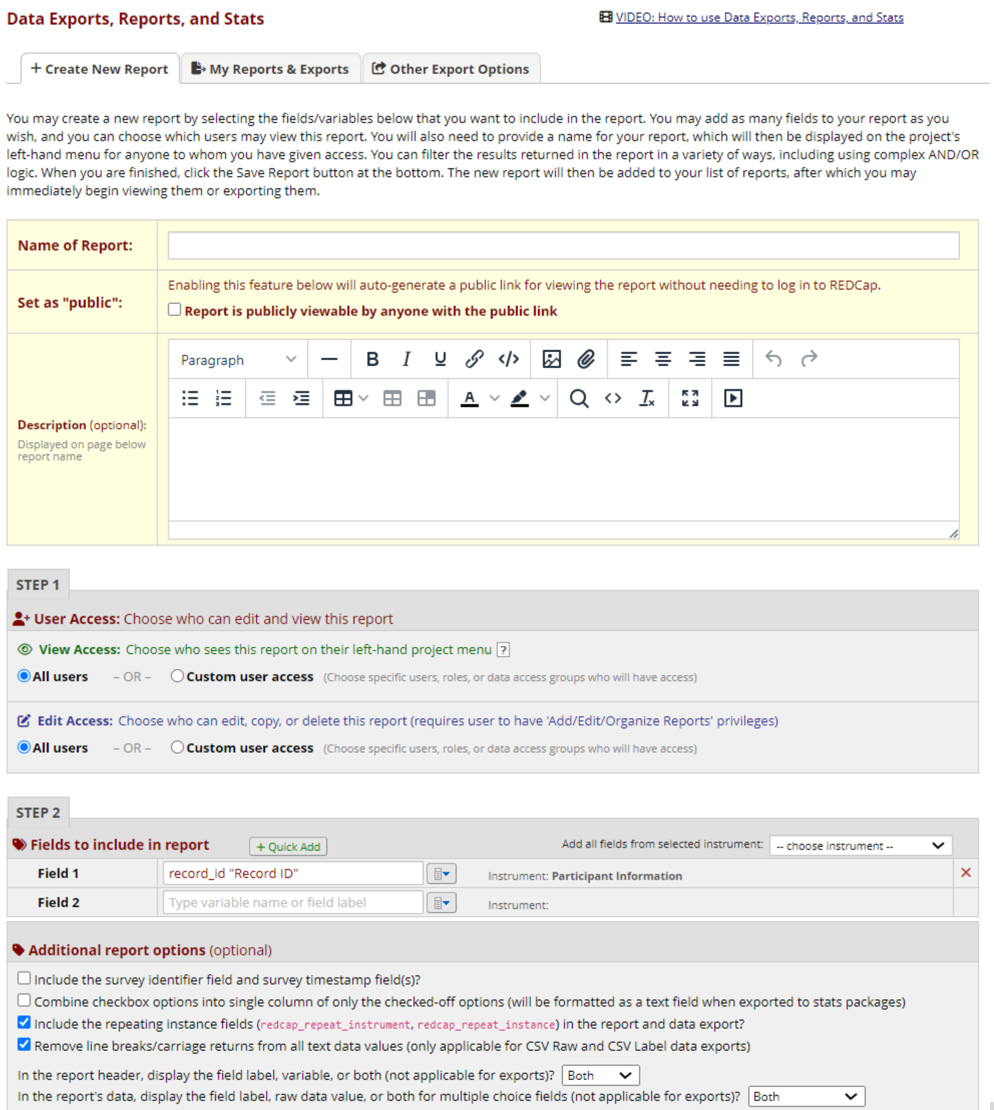
Create New Report | My Reports & Exports | Other Export Options

This module allows you to easily view reports of your data, inspect plots and descriptive statistics of your data, as well as export your data to Microsoft Excel, SAS, Stata, R, or SPSS for analysis (if you have such privileges). If you wish to export your *entire* data set or 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.

My Reports & Exports

	Report name	View/Export Options	Management Options	Report ID (auto-generated)
A	**All data** (all records and fields)	View Report, Export Data, Stats & Charts		
B	**Selected instruments and/or events** (all records)	Make custom selections		
1	test (copy)	View Report, Export Data, Stats & Charts	Edit, Copy, Delete	1322
2	frailty assessment	View Report, Export Data, Stats & Charts	Edit, Copy, Delete	2

Setting Up Reports in REDCap

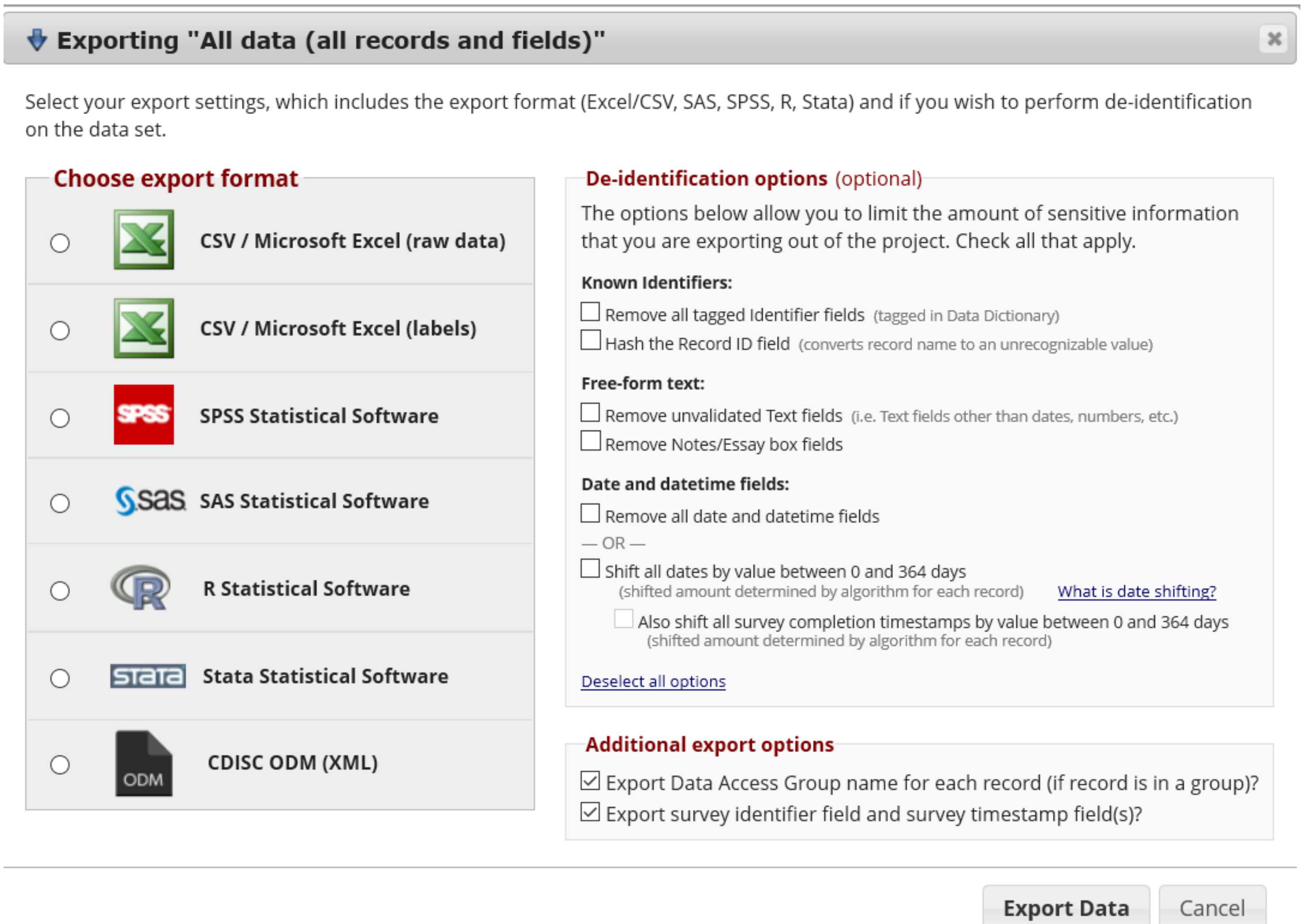


Steps:

- Set user access
- Add fields
- Filter data
- Order results

Any report can be used to export data

Exporting Data



Exporting "All data (all records and fields)"

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

Choose export format

- CSV / Microsoft Excel (raw data)
- CSV / Microsoft Excel (labels)
- SPSS Statistical Software
- SAS Statistical Software
- R Statistical Software
- Stata Statistical Software
- CDISC ODM (XML)

De-identification options (optional)

The options below allow you to limit the 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

- [x] Export Data Access Group name for each record (if record is in a group)?
- [x] Export survey identifier field and survey timestamp field(s)?

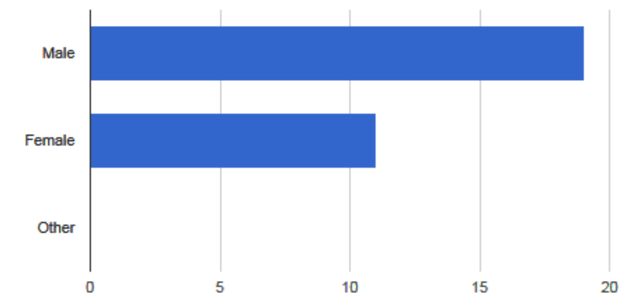
Export Data | Cancel

Stats and Charts

Gender Refresh Plot | View as Bar Chart

Total Count (N)	Missing	Unique
30	0 (0.0%)	2

Counts/frequency: Male (19, 63.3%), Female (11, 36.7%), Other (0, 0.0%)



	Report name	View/Export Options
A	**All data** (all records and fields)	View Report · Export Data · Stats & Charts

height < 150

DISPLAY OPTIONS

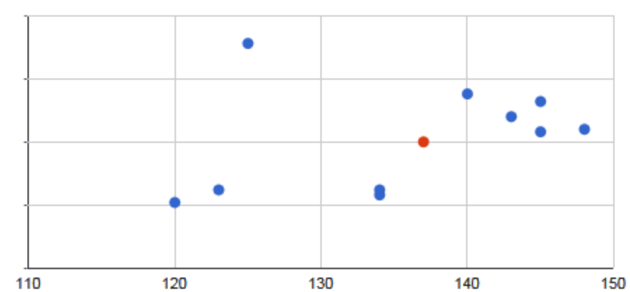
Optional: Select a record to overlay onto the plots below -- select record --

Viewing options: Show plots & stats · Show plots only · Show stats only

Height Refresh Plot

Total Count (N)	Missing	Unique	Min	Max	Mean	StDev	Sum	Percentile						
								0.05	0.10	0.25	0.50 Median	0.75	0.90	0.95
10	0 (0.0%)	8	120.00	148.00	135.70	10.13	1,357.00	121.35	122.70	127.25	137.00	144.50	145.30	146.65

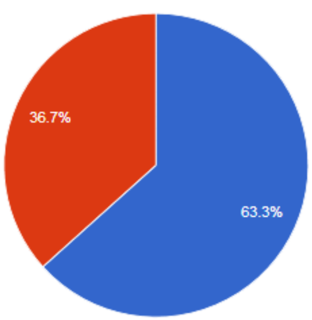
Lowest values: 120, 123, 125, 134, 134
Highest values: 140, 143, 145, 145, 148



Gender Refresh Plot | View as Pie Chart

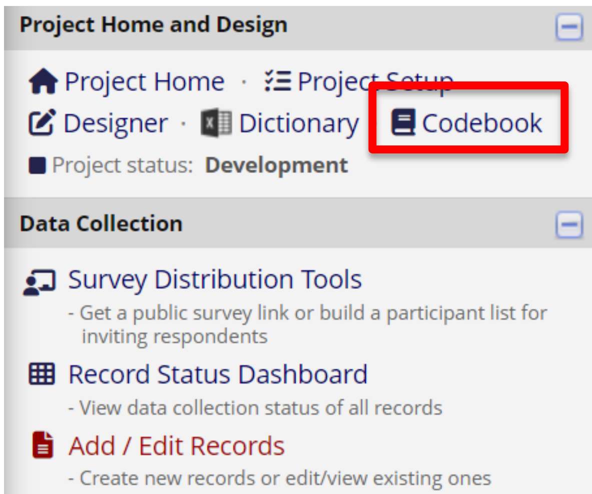
Total Count (N)	Missing	Unique
30	0 (0.0%)	2

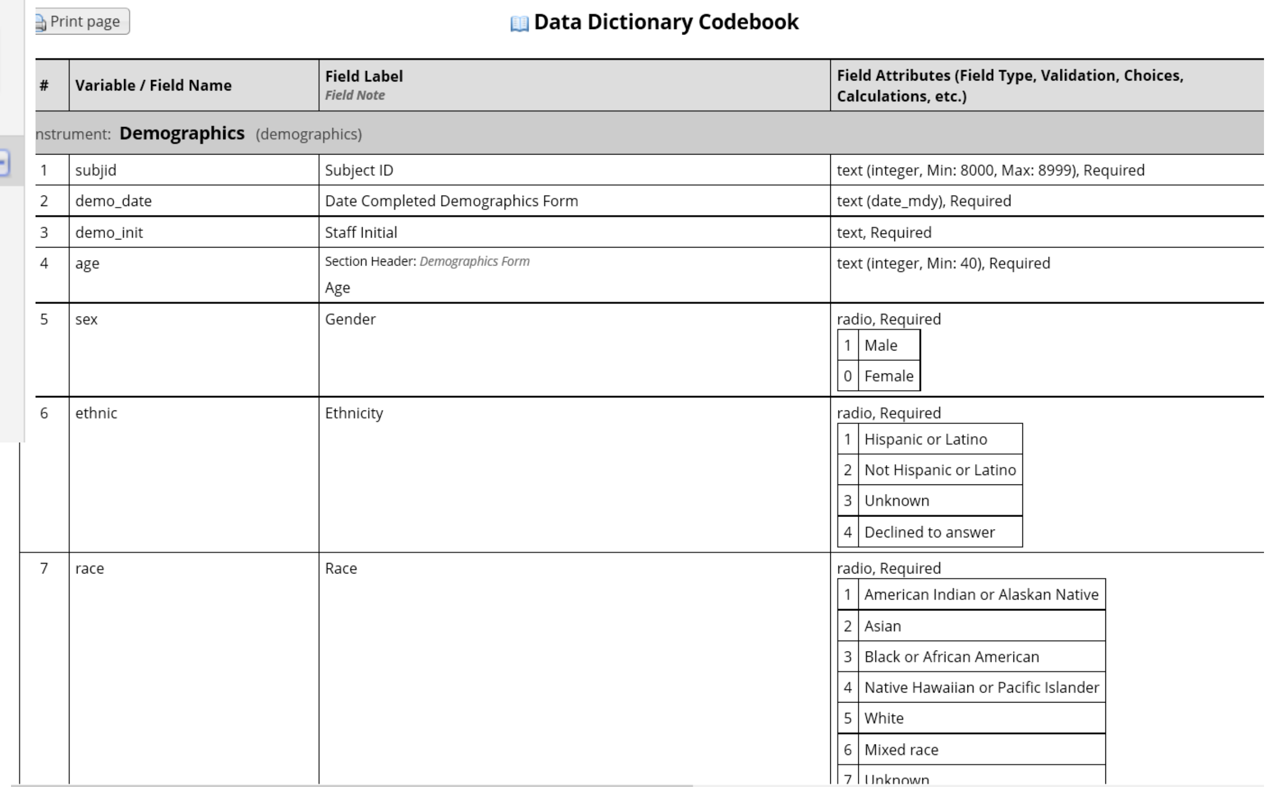
Counts/frequency: Male (19, 63.3%), Female (11, 36.7%), Other (0, 0.0%)



Data Dictionary Codebook

The Codebook is a ‘human’ readable, read-only version of the project data dictionary.





Print page

Data Dictionary Codebook

#	Variable / Field Name	Field Label *Field Note*	Field Attributes (Field Type, Validation, Choices, Calculations, etc.)
nstrument: **Demographics** (demographics)			
1	subjid	Subject ID	text (integer, Min: 8000, Max: 8999), Required
2	demo_date	Date Completed Demographics Form	text (date_mdy), Required
3	demo_init	Staff Initial	text, Required
4	age	Section Header: *Demographics Form* Age	text (integer, Min: 40), Required
5	sex	Gender	radio, Required 1 Male 0 Female
6	ethnic	Ethnicity	radio, Required 1 Hispanic or Latino 2 Not Hispanic or Latino 3 Unknown 4 Declined to answer
7	race	Race	radio, Required 1 American Indian or Alaskan Native 2 Asian 3 Black or African American 4 Native Hawaiian or Pacific Islander 5 White 6 Mixed race 7 Unknown