Advanced REDCap Training Session

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Learning Objectives

- **Survey Dissemination**
- **Randomization Build**
- **Piping**

Survey **Dissemination**

Surveys in REDCap

- A survey is a version of a data form that is completed by a study participant without logging into the REDCap system
- REDCap offers two survey options: Public and Private

Type of Survey	Use
Public	Responses are anonymous
Private	Responses can be identified

Public vs Private

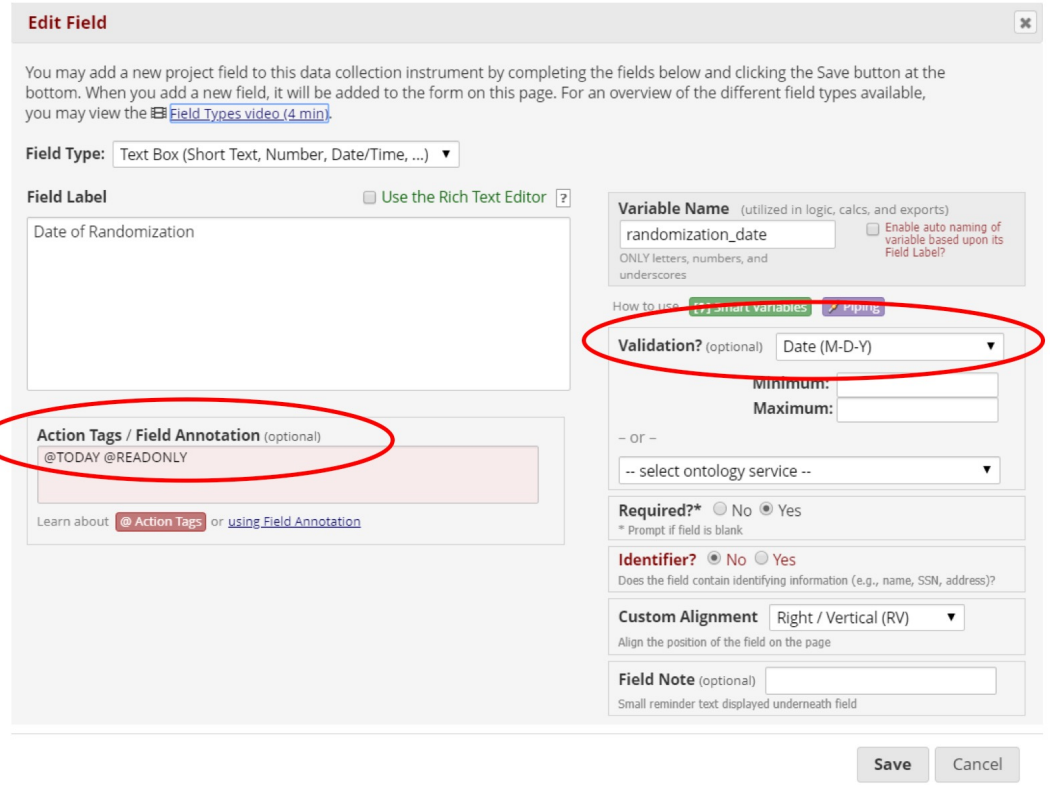
Public	Private
Must be the first form	Doesn’t need to be the first form
New record for each survey submission	New record before survey submission
One survey link for all participants	Survey links specified for each participants

Survey Demo

Randomization Build

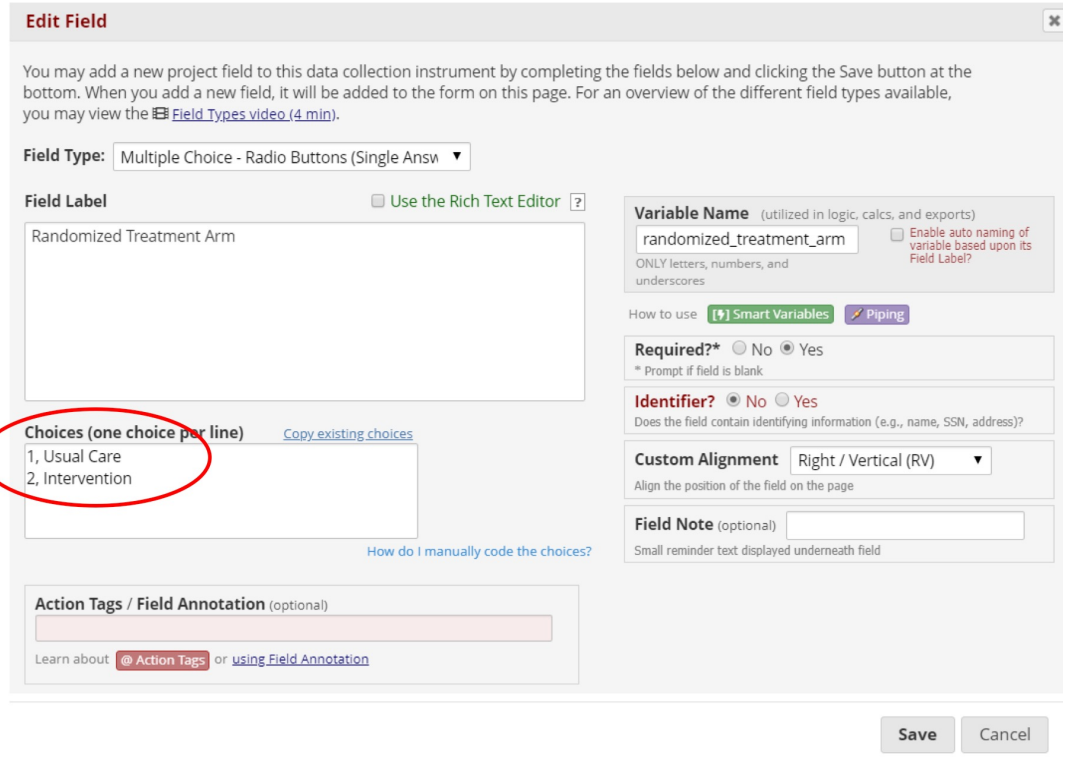
Randomization Build

- Create an instrument in your longitudinal project for “Randomization”
- Create a text box field for the date of randomization
- Insert necessary fields
  - Field label
  - Variable name
  - Validation
  - Action Tag/Field Annotation
    - Automate the date to the date of randomization
    - @TODAY, today’s date to be automatically inserted



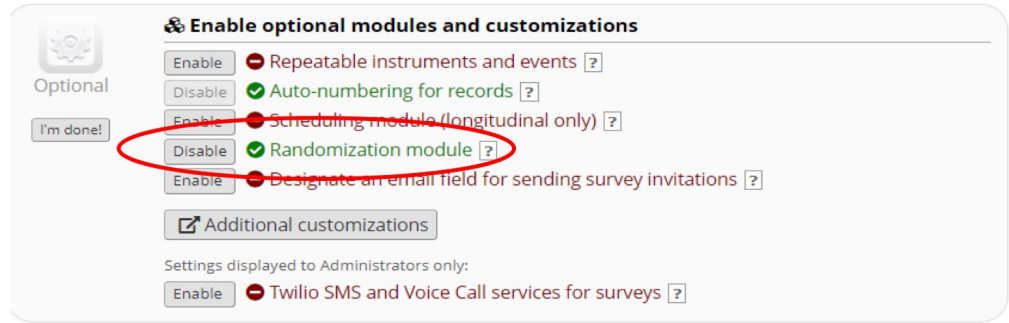
Randomization Build

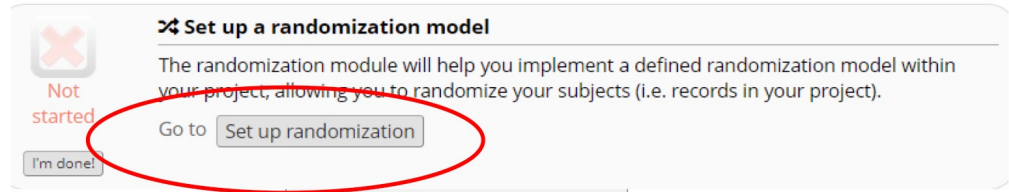
- Create a “Multiple Choice-Radio Button” field for the treatment arms
- Insert necessary fields
  - Field Label
  - Variable Name
  - Choices
    - For “Blinded” studies, use numeric values instead of text
      - Means having an allocation table where only the biostatistician is aware of the numeric/text value correlation

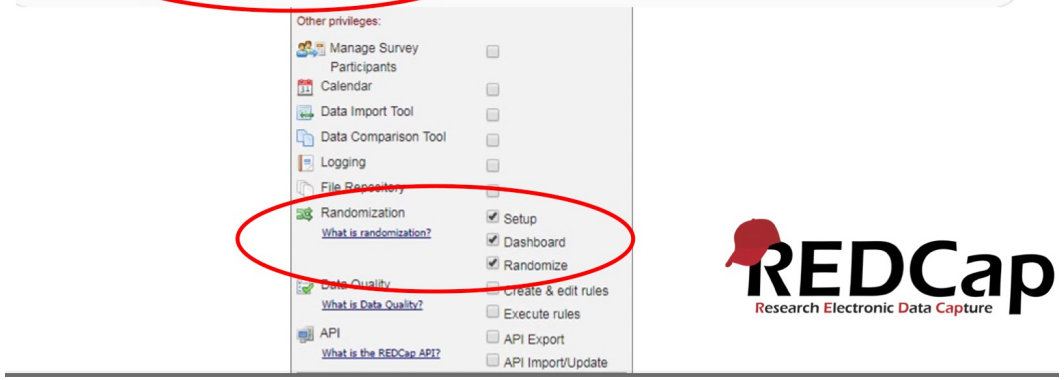


Randomization Build

- On the project setup page, ensure that the randomization module is enabled
- Edit the REDCap users' right to include randomization setup privilege
- Next, project setting page select set up randomization



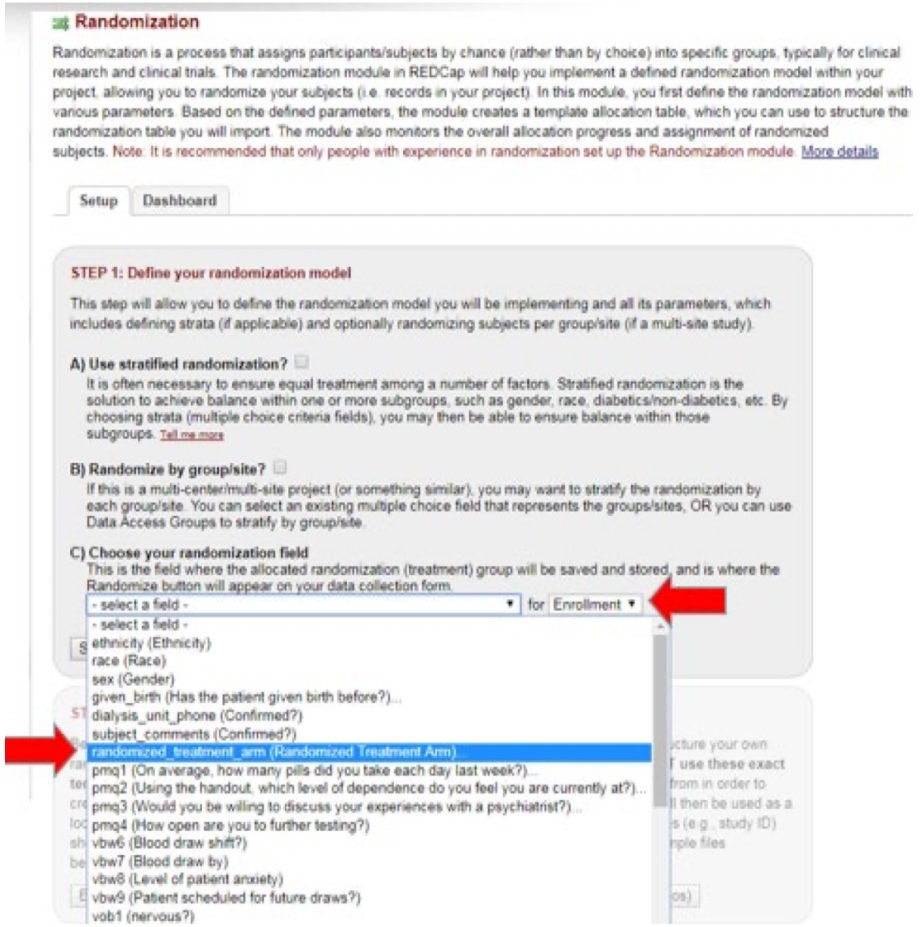




REDCap
Research Electronic Data Capture

Randomization Build

- You will be redirected to the Randomization Setup page
- **Step 1**, make the appropriate selections based on discussion with your PM/PI for stratified randomization or randomization by group/site
- Select the dropdown on the left for “Choose Your Randomization Field”
- Select the “Field Name” designated in your randomization instrument, in the field for treatment arm designation
- Select the dropdown menu on the right under “Choose Your Randomization Field”
- Select the appropriate event where randomization instrument is categorized
- Select “Save Randomization Model”



Randomization Build

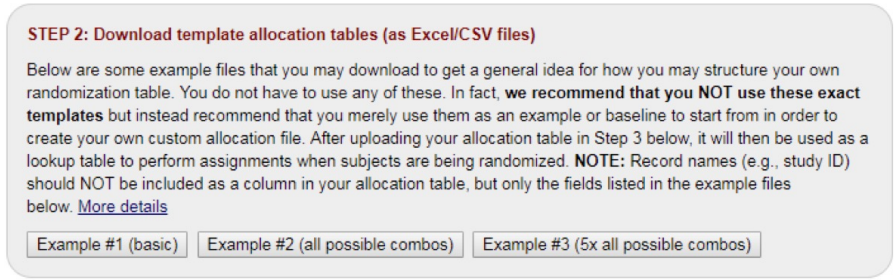
- **Step 2** allows you to download a sample allocation table

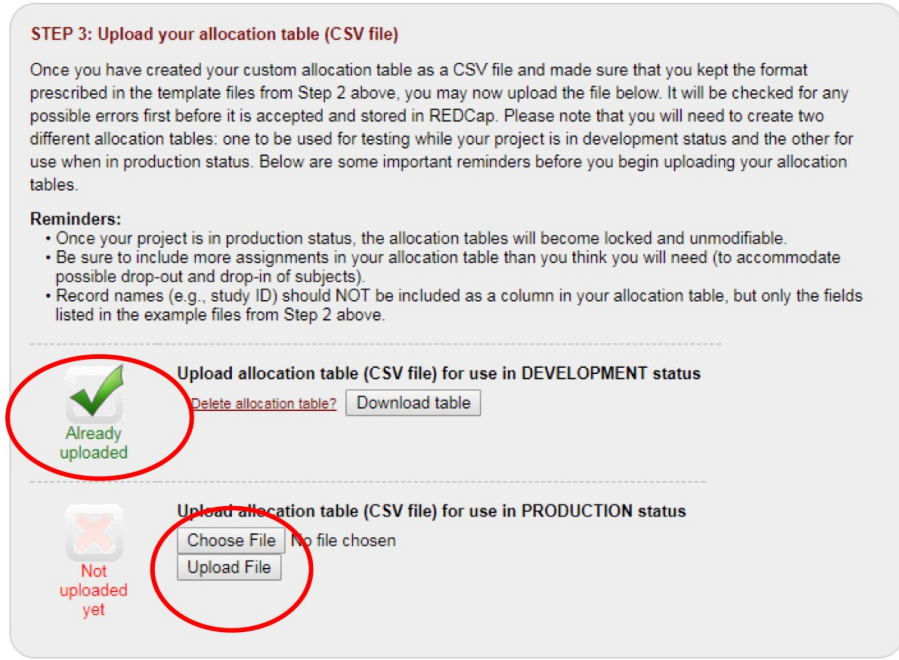
This should be used only for practice/testing

- Your project biostatistician should provide you with an official allocation table
- **Step 3**, click “Choose File” to locate an official or practice allocation table

A project should NOT be moved into production with a practice allocation table in place

- Once the appropriate file is selected, click “Upload File”
- Once your file is successfully uploaded, you will see a green checkmark appear
- You may delete your allocation table by selecting “Delete Allocation Table?”
- You may download and view your allocation table by selecting “Download Table”
- To start the process over, select “Erase Randomization Model” in Step 1

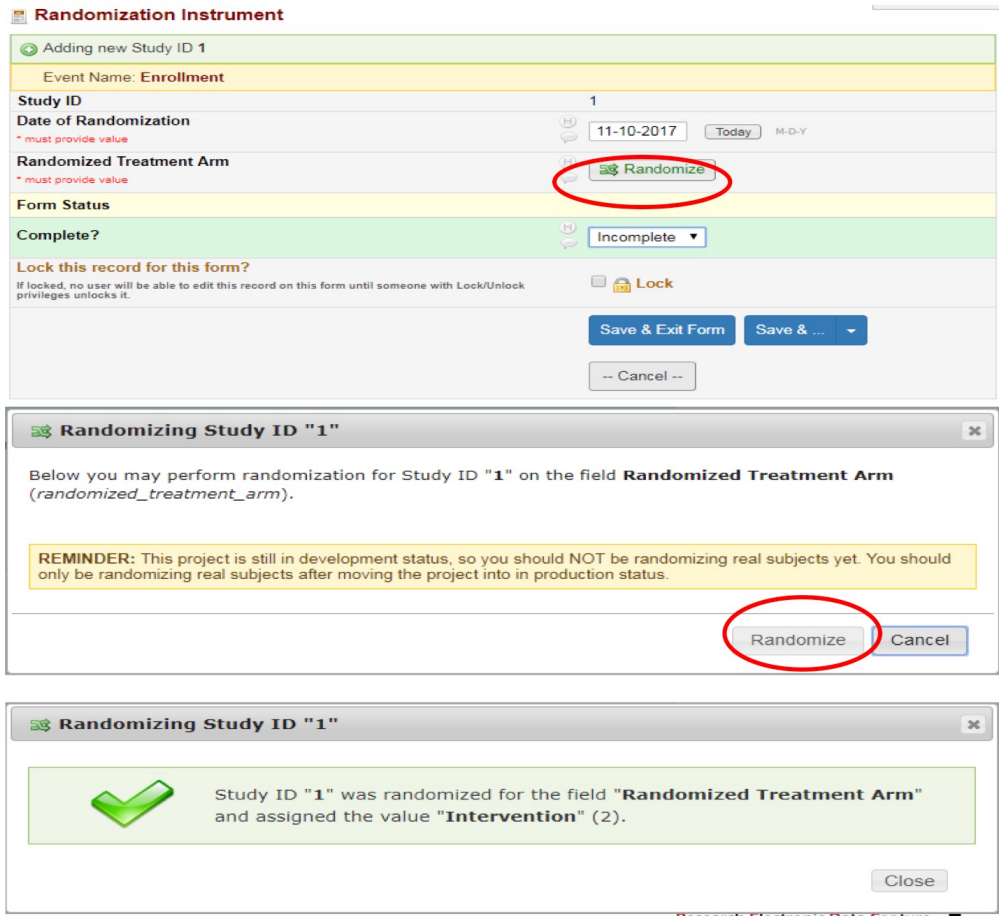




Randomization Build

- Add a record to test your randomization instrument
- You will now see a “Randomize” button on the form
- Click “Randomize”
- A pop-up box will appear, to proceed with randomization, click “Randomize”
- An additional pop-up box will appear indicating successful randomization and displaying the assigned treatment arm for that participant

When moving your project into production, all test randomizations will be erased



Piping

Piping

- Piping is a feature in REDCap that allows you to place previously collected data into fields in other forms or surveys
- Piping does not need to be enabled as a "**project setting**"
- Information can be piped in a few different ways:
  - **Across events** by inserting the original event name in front of the piped variable
    - Ex. [Baseline_data][first_name]
  - Create customizability in **survey invitations** and survey completion text
    - Ex. "Thank you, [first_name] for completing the survey."

Where can piping be used?

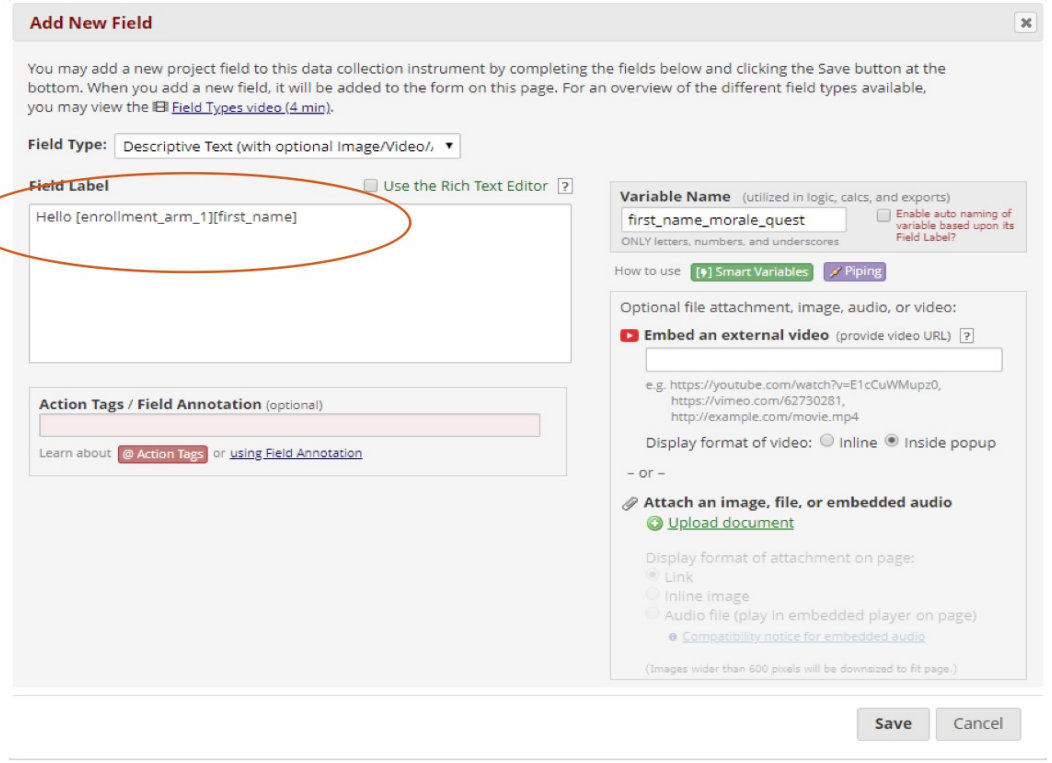
- Field Label
- Field Note
- Section Headers
- Alerts & Notifications
- Option labels for multiple choice fields
- Survey Instructions
- Survey Completion Text
- Survey invitation emails
- Custom text displayed at top of Survey Queue
- Inside the URL for a survey's 'Redirect to a URL' setting

You can pipe *from* all fields EXCEPT checkboxes

Multiple answers cannot be piped at one time

Piping

- To pipe within the **same event**, **between forms**, or **within the same form**, put the variable name in brackets in the desired field
  - Ex. [first_name]
- To pipe data **between events**, ensure the event name you are piping from precedes the variable name in the desired field
  - Ex. [enrollement_arm_1][first_name]



Questions / Comments

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