

Beginner – Online Designer

Design your data collection instruments (forms/surveys)

Online Designer: Click Online Designer to start building your data collection instruments

Data Dictionary: Alternatively, you may upload your data dictionary via an Excel csv file in order to build your data collection instruments. **Note:** This is considered an advanced step and should not be used unless you are an experienced user.



Not started

I'm done!

Design your data collection instruments & enable your surveys

Add or edit fields on your data collection instruments (survey and forms). This may be done by either using the Online Designer (online method) or by uploading a Data Dictionary (offline method). You may then enable your instruments to be used as surveys in the Online Designer.

Quick links: [Download PDF of all instruments](#) OR [Download the current Data Dictionary](#)

Go to  Online Designer or  Data Dictionary

You may also browse for pre-built data collection instruments in the [REDCap Shared Library](#)

Have you checked the [Check For Identifiers](#) page to ensure all identifier fields have been tagged?

Online Designer

REDCap will begin your project with a data collection instrument titled “My First Instrument”. To change the title, click the “Choose action” button. To add additional data collection instruments, click on the Create icon. Click on Add Instrument here and enter a name for the new instrument.

Data Collection Instruments

Add new instrument:

- Create** a new instrument from scratch
- Import** a new instrument from the official [REDCap Shared Library](#)
- Upload** instrument ZIP file from another project/user or [external libraries](#)

Instrument name	Fields	View PDF	Instrument actions
My First Instrument	1		Choose action ▾

- Rename
- Copy
- Delete
- Download instrument ZIP

To begin building your data collection instrument, click on the instrument name.

Data Collection Instruments

Add new instrument:

- scratch
- the official [REDCap Shared Library](#)
- in another project/user or [external libraries](#)

Instrument name	Fields	View PDF	Instrument actions
My First Instrument	1		Choose action ▾

Click to modify instrument
Add new fields/questions to the instrument or modify existing ones.

Record Identifier

The very first field in the first data collection instrument must be used as the record identifier and must be unique. The record identifiers can be automatically sequentially-generated or user-entered. The record identifier field cannot be deleted however you may rename this field by clicking on the pencil icon. It is strongly recommended to not use any PHI as the unique identifier to preserve confidentiality.

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  **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**[Preview 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 Fields to Your Data Collection Instruments

Click the Add Field button [Add Field](#) and select one of the several field types available:

Add New Field



You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the  [Field Types video \(4 min\)](#).

Field Type ---- Select a Type of Field ----

- Text Box (Short Text, Number, Date/Time, ...)
- Notes Box (Paragraph Text)
- Calculated Field
- Multiple Choice - Drop-down List (Single Answer)
- Multiple Choice - Radio Buttons (Single Answer)
- Checkboxes (Multiple Answers)
- Yes - No
- True - False
- Signature (draw signature with mouse or finger)
- File Upload (for users to upload files)
- Slider / Visual Analog Scale
- Descriptive Text (with optional Image/Video/Audio/File Attachment)
- Begin New Section (with optional text)
- Dynamic Query (SQL)

The following pages give an explanation of each field and examples for each field.

Examples of Field Types

Text Box (Short Text) with a validation of Date (M-D-Y)

This field can be used for text, dates, numbers, email addresses, phone numbers etc. Use the Validation drop down (date format, email, phone, time, letters only, SS#, zip code, integer, number-with/without decimals) to restrict how data should be entered.

Date of Visit:

Today M-D-Y

Add New Field ✕

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type:

Field Label

[How to use Piping](#)

Today's Date:

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

Enable auto naming of variable based upon its Field Label?
ONLY letters, numbers, and underscores

Validation? (optional)

Minimum:

Maximum:

– or –

Enable searching within a biomedical ontology ?

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain Identifying Information (e.g., name, SSN, address)?

Custom Alignment

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save

Cancel

✕

Edit Field

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [📺 Field Types video \(4 min\)](#).

Field Type: Notes Box (Paragraph Text)

Field Label ✎ How to use Piping

Describe any issues that you had with the visit:

Action Tags / Field Annotation (optional)

[📌 Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save
Cancel

✎ 📄 📌 ✕ Variable: issues

Describe any issues that you had with the visit:

Expand

Calculated Field

This field can perform real-time calculations based on the data from other fields. For an example, you could create a calculation based off the start time and end time of a test to see how much time elapsed.

Add New Field ✕

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [🎥 Field Types video \(4 min\)](#).

Field Type: Calculated Field

Field Label ✎ How to use Piping

Calculation between start time and end time (in hours)

Calculation Equation 📖 How do I format the equation?

`datediff([end_time],[start_time],"h")`

✔ Valid
Clear calculation

Test calculation with a record: -- select record --

Action Tags / Field Annotation (optional)

📌 [Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

calculate_time

ONLY letters, numbers, and underscores

Enable auto naming of variable based upon its Field Label?

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save
Cancel

✎
📄
↕
+
✖
Variable: calculate_time

Calculation between start time and end time (in hours)

View equation

Multiple Choice – Drop Down List (Single Answer)

This field will display your answer choices as a drop-down list. When a field contains multiple answer choices, you must give each answer choice a variable name. If you do not, REDCap will automatically assign them for you.

Add New Field

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Multiple Choice - Drop-down List (Single Answer)

Field Label [How to use Piping](#)
What is your favorite flavor of ice cream?

Variable Name (utilized during data export)
icecream_flavor Enable auto naming of variable based upon its Field Label?
ONLY letters, numbers, and underscores

Choices (one choice per line) [Copy](#)
1, Chocolate
2, Vanilla
3, Strawberry
4, Mint Chocolate Chip
 Enable auto-complete for this dropdown [How do I manually add choices?](#)

Action Tags / Field Annotation (optional)
[Learn about Action Tags](#) or [using Field Annotations](#)

Raw values for choices were added automatically

The choices listed below did not appear to have a raw value listed but only had a label, so a raw value has been provided for them automatically. If you are not satisfied with these auto generated values, you may change them before saving your changes for this field. The choices in the 'Choices' text box have automatically been modified to reflect these changes.

- 1 was set as the raw value for **Chocolate**
- 2 was set as the raw value for **Vanilla**
- 3 was set as the raw value for **Strawberry**
- 4 was set as the raw value for **Mint Chocolate Chip**
- 5 was set as the raw value for **Butter Pecan**

Close

     Variable: icecream_flavor

What is your favorite flavor of ice cream?

Multiple Choice – Radio Buttons (Single Answer)

This field will display your answer choices as radio buttons

Edit Field



You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Multiple Choice - Radio Buttons (Single Answer)

Field Label

[How to use Piping](#)

What is your favorite flavor of ice cream?

Choices (one choice per line)

[Copy existing choices](#)

- 1, Chocolate
- 2, Vanilla
- 3, Strawberry
- 4, Mint Chocolate Chip

[How do I manually code the choices?](#)

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

icecream_flavor

ONLY letters, numbers, and underscores

Enable auto naming of variable based upon its Field Label?

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save

Cancel



Variable: icecream_flavor

What is your favorite flavor of ice cream?

- Chocolate
- Vanilla
- Strawberry
- Mint Chocolate Chip
- Butter Pecan

reset

Checkboxes (Multiple Answers)

This field will display your answer choices as check boxes and will allow more than one answer. **Note:** I added a field note that states “Check all that apply”.

Edit Field

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Checkboxes (Multiple Answers)

Field Label [How to use Piping](#)

Which are your favorite flavors office cream?

Choices (one choice per line) [Copy existing choices](#)

1, Chocolate
2, Vanilla
3, Strawberry
4, Mint Chocolate Chip

[How do I manually code the choices?](#)

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

icecream_flavor Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes
* Prompt if field is blank

Identifier? No Yes
Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional) (check all that apply)

Small reminder text displayed underneath field

Save **Cancel**

    Variable: icecream_flavor

Which are your favorite flavors office cream?

Chocolate
 Vanilla
 Strawberry
 Mint Chocolate Chip
 Butter Pecan

(check all that apply)

Yes–No

This field will display Yes and No as radio button answer choices.

Add New Field ✕

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Yes - No

Field Label [How to use Piping](#)

Do you like ice cream?

Choices (not modifiable)

1, Yes
0, No

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

like_icecream Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes
* Prompt if field is blank

Identifier? No Yes
Does the field contain Identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save **Cancel**

    Variable: like_icecream

Do you like ice cream? Yes No

reset

True– False

This field will display True and False as radio button answer choices.

✕

Edit Field

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [📺 Field Types video \(4 min\)](#).

Field Type: True - False ⌵

Field Label ✎ How to use Piping

You do not like ice cream.

Choices (not modifiable)

1, True

0, False

Action Tags / Field Annotation (optional)

[📌 Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

not_like_icecream
 Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV) ⌵

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Save
Cancel

✎ 📄 🔄 + ✖

Variable: not_like_icecream

You do not like ice cream.

True

False

reset

Signature (draw signature with mouse or finger)

This field will allow the participant to add their signature using their mouse or the finger (if using a tablet or touch screen device)

Add New Field



You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Signature (draw signature with mouse or finger)

Field Label

[How to use Piping](#)

Sign your name:

Variable Name (utilized during data export)

signature

Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Save

Cancel



Variable: signature

Sign your name:

[Add signature](#)

File Upload (for users to upload files)

This field gives the participant the ability to upload a file or image

Edit Field



You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: File Upload (for users to upload files)

Field Label

[How to use Piping](#)

Upload signed informed consent:

Variable Name (utilized during data export)

icf

ONLY letters, numbers, and underscores

Enable auto naming of variable based upon its Field Label?

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain Identifying Information (e.g., name, SSN, address)?

Custom Alignment Right / Vertical (RV)

Align the position of the field on the page

Field Note (optional)

Small reminder text displayed underneath field

Action Tags / Field Annotation (optional)

[Learn about Action Tags](#) or [using Field Annotation](#)

Save

Cancel

Variable: icf

Upload signed informed consent:


[Upload document](#)

Slider Visual Analog Scale


This field gives you a scale with three answer choices. If you select “Display number value (0-100)”, it will code the answer given.

Edit Field



You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the  [Field Types video \(4 min\)](#).

Field Type:

Field Label  [How to use Piping](#)

How much pain are you having right now?

Variable Name (utilized during data export)

Enable auto naming of variable based upon its Field Label?

ONLY letters, numbers, and underscores

Required?* No Yes

* Prompt if field is blank

Identifier? No Yes

Does the field contain identifying information (e.g., name, SSN, address)?

Custom Alignment

Align the position of the field on the page

TIP: Make your sliders vertical with RV or LV alignment.

Field Note (optional)

Small reminder text displayed underneath field

Labels displayed above slider (optional):


Left label (bottom, if vertical):

Middle label:

Right label (top, if vertical):






Display number value (0-100)?

Action Tags / Field Annotation (optional)

 [Learn about Action Tags](#) or [using Field Annotation](#)

Save

Cancel

     Variable: current_pain_level

How much pain are you having right now?

No Pain Moderate pain Severe Pain



Change the slider above to set a response

reset

Descriptive Text (with optional Image/File Attachment)

This field will allow you to add text such as instructions or additional information. It also gives you the option to add an image as a link or as an inline image.

Edit Field ✕

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Field Type: Descriptive Text (with optional Image/Video/A ⌵

Field Label ✎ How to use Piping

Please be sure to mark all PHI as identifiers. Refer to the list of patient identifiers.

Action Tags / Field Annotation (optional)

[📌 Learn about Action Tags](#) or [using Field Annotation](#)

Variable Name (utilized during data export)

phi_list

ONLY letters, numbers, and underscores

Enable auto naming of variable based upon its Field Label?

Optional file attachment, image, audio, or video:

▶ **Embed an external video** (provide video URL) ?

e.g. <https://youtube.com/watch?v=E1cCuWMupz0>,
<https://vimeo.com/62730281>,
<http://example.com/movie.mp4>

Display format of video: Inline Inside popup

– or –

📎 **Attach an image, file, or embedded audio**

[HIPAA Identifiers.pdf](#) [X] Remove

Display format of attachment on page:

Link

Inline image

Audio file (play in embedded player on page)

🔗 [Compatibility notice for embedded audio](#)

(Images wider than 600 pixels will be downsized to fit page.)

Save

Cancel

Link:

✎
📄
📎
✕
Variable: phi_list

Please be sure to mark all PHI as identifiers. Refer to the list of patient identifiers.

Attachment: 📎 [HIPAA Identifiers.pdf](#) (0.01 MB)

Inline Image:

Please be sure to mark all PHI as identifiers. Refer to the list of patient identifiers.

List of 18 HIPAA Identifiers

1. Names;
2. All geographical subdivisions smaller than a State, including street address, city, county, precinct, zip code, and their equivalent geocodes, except for the initial three digits of a zip code, if according to the current publicly available data from the Bureau of the Census: (1) The geographic unit formed by combining all zip codes with the same three initial digits contains more than 20,000 people; and (2) The initial three digits of a zip code for all such geographic units containing 20,000 or fewer people is changed to 000.
3. All elements of dates (except year) for dates directly related to an individual, including birth date, admission date, discharge date, date of death; and all ages over 89 and all elements of dates (including year) indicative of such age, except that such ages and elements may be aggregated into a single category of age 90 or older;
4. Phone numbers;
5. Fax numbers;
6. Electronic mail addresses;
7. Social Security numbers;
8. Medical record numbers;
9. Health plan beneficiary numbers;
10. Account numbers;
11. Certificate/license numbers;
12. Vehicle identifiers and serial numbers, including license plate numbers;
13. Device identifiers and serial numbers;
14. Web Universal Resource Locators (URLs);
15. Internet Protocol (IP) address numbers;
16. Biometric identifiers, including finger and voice prints;
17. Full face photographic images and any comparable images; and
18. Any other unique identifying number, characteristic, or code (note this does not mean the unique code assigned by the investigator to code the data)

[Begin New Section \(with optional text\)](#)

This field is used as a section header. You can add text or leave blank.

Edit Field ✕

You may add a new project field to this data collection instrument by completing the fields below and clicking the Save button at the bottom. When you add a new field, it will be added to the form on this page. For an overview of the different field types available, you may view the [Field Types video \(4 min\)](#).

Field Type: Begin New Section (with optional text) ▾

Field Label ✎ [How to use Piping](#)

Demographic Information

Save
Cancel

With optional text:

✎ ✕
Demographic Information

With no text:

✎ ✕

Add Matrix of Fields

If you have a group of questions that all have the same answer choices, you can create a Matrix of Fields. Instead of clicking Add Field, you would click Add Matrix of Fields. You would add an optional header, your field labels and variable names, indicate which fields are required, add your answer choices and select whether these fields should be a single answer (radio button) or multiple answers (checkboxes). If you would like only one answer choice to be selected per column, enable ranking. You must also give your matrix a group name.

Edit Matrix of Fields



You may add or edit a matrix (i.e. grid) of project fields on this data collection instrument by completing the fields below. By providing all necessary info below and clicking Save, the new matrix of fields will be added to the form on this page. A Field Label and Variable name must be provide for each field in the matrix, and you must also set the Choices (i.e. matrix column headers) and answer format (Single Answer vs. Multiple Answers) for the entire matrix. [View a matrix example](#) or [Read more about matrix fields on the Help & FAQ.](#)

Matrix Header Text (optional)

How often do you eat the following ice cream?

Expand

Matrix Rows

Each row represents a different field with its own label and variable name.

Enable auto naming of variable based upon its Field Label?

Field Label

Variable Name

ONLY letters, numbers, and underscores

Required?*Field Annotation ?

Chocolate

chocolate



Vanilla

vanilla



Strawberry

strawberry



Butter Pecan

butter_pecan



Add another row

Matrix Column Choices

Choices (one choice per line)

1, Never
2, Rarely
3, Sometimes
4, Often
5, Always

[How do I manually code the choices?](#)

Other Matrix Info

Answer Format:

Single Answer (Radio Buttons) ▾

Ranking:

[What is a ranked matrix of fields?](#)

Allow only 1 choice to be selected per column (radio buttons only)

Matrix group name: ONLY letters, numbers, and underscores

icecream_matrix

[What is a matrix group name?](#)

Matrix group: icecream_matrix

How often do you eat the following ice cream?

	Never	Rarely	Sometimes	Often	Always	
Variable: chocolate Chocolate	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	reset
Variable: vanilla Vanilla	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	reset
Variable: strawberry Strawberry	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	reset
Variable: butter_pecan Butter Pecan	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	reset

Edit/Move/Delete a Field

Edit: To edit a field, click on the pencil icon



Copy: To copy a field, click on the double



paper icon

Move: To move a field, click on the paper with pointer icon. You can also move a field by click and hold field and drag the field to a different location.



pointer icon. You

Delete: To delete a field, click on the red X icon








Add Branching Logic

Branching logic is used when you have a field/question that you would only like to appear when a specific answer is given. To enable branching logic, click on the double green arrows








on the field you want to hide.

For an example, I only want the "If Other, please specify" field to show if the answer to the question above it was Other.

     Variable: favorite_icecream

Which is your favorite ice cream? Chocolate Vanilla Strawberry Other reset

[Add Field](#) [Add Matrix of Fields](#)

     Variable: other_icecream

Please specify other:

After clicking on the double green arrows, scroll through the list of field choices and drag and drop the field you want to base your branching logic on. Click Save once finished.

Add/Edit Branching Logic

Branching Logic may be employed when fields/questions need to be hidden under certain conditions. If branching logic is defined, the field will only be visible if the conditions provided are true (i.e. show the field only if...). You may specify those conditions in the text box below for the Advanced Branching Logic Syntax or by choosing the Drag-N-Drop Logic Builder method, which allows you to build your logic in a much easier fashion by simply dragging over the options you want. You may switch back and forth between each method if you wish, but please be aware that since the advanced logic allows for greater complexity, it may not be able to be switched over to the Drag-N-Drop method if it becomes too complex.

Choose method below for the following field: **other_icecream** - Please specify other:

Advanced Branching Logic Syntax

[\(How do I use the advanced syntax?\)](#)

Show the field ONLY if...

[Clear logic](#)

Test logic with a record:

— OR —

Drag-N-Drop Logic Builder

Field choices from other fields
(drag a choice below to box on right)

start_time = (define criteria)
end_time = (define criteria)
current_pain_level = (define criteria)
calculate_time = (define criteria)
favorite_icecream = Chocolate (1)
favorite_icecream = Vanilla (2)
favorite_icecream = Strawberry (3)
favorite_icecream = Other (4)

Drag and Drop

Show the field ONLY if...

ALL below are true
 ANY below are true

favorite_icecream = Other (4)

[Clear logic](#)

The field now alerts me that branching logic exists. If I want to view or modify the existing branching logic, I would click on the double green arrows.

Variable: other_icecream [Branching logic exists]

Please specify other:

Add Piping Logic

Piping gives you the ability to insert answers and place it in various places within REDCap.

For an example, I have a field that asks the participant “What kind of ice cream do you like?”. I then have another field that asks the participant “How often do you eat _____ice cream?”. I have added piping logic in my second question so that it will insert the answer from the first question.

Before:

Variable: favorite_icecream	
Which is your favorite ice cream?	<input type="radio"/> Chocolate <input type="radio"/> Vanilla <input type="radio"/> Strawberry
reset	
Variable: often_eat	
How often do you eat _____ ice cream?	<input type="radio"/> Once a week <input type="radio"/> Twice a week <input type="radio"/> Three times a week
reset	

One the participant answers the first question; the answer is then inserted into my next question.

After:

Variable: favorite_icecream	
Which is your favorite ice cream?	<input checked="" type="radio"/> Chocolate <input type="radio"/> Vanilla <input type="radio"/> Strawberry
reset	
Variable: often_eat	
How often do you eat Chocolate ice cream?	<input type="radio"/> Once a week <input type="radio"/> Twice a week <input type="radio"/> Three times a week
reset	

To add piping, all you have to do is add the variable name of the field you want to pipe in. The variable name must be inserted into square brackets [].

The screenshot displays the REDCap field configuration interface. On the left, two survey questions are visible: "Which is your favorite ice cream?" with variable name "favorite_icecream" and "How often do you eat [favorite_icecream] ice cream?" with variable name "often_eat". A red arrow points from the variable name in the second question to the configuration panel on the right. The configuration panel for the "often_eat" field shows the following settings:

- Field Type:** Multiple Choice - Radio Buttons (Single Answer)
- Field Label:** How often do you eat [favorite_icecream] ice cream? (The variable name is piped into the label.)
- Variable Name:** often_eat
- Required?*** No (selected)
- Identifier?** No (selected)
- Custom Alignment:** Right / Vertical (RV)
- Field Note:** (optional) Small reminder text displayed underneath field

Piping can be used in many different places in REDCap such as:

- Field Labels
- Field Notes
- Section Headers
- Survey Instructions and Survey Acknowledgment Text