

CLINICAL & TRANSLATIONAL SCIENCE INSTITUTE

Research & Academic IT

REDCap new features




UNIVERSITY of
ROCHESTER
MEDICAL CENTER

MEDICINE *of* THE HIGHEST ORDER



REDCap – Eligibility Criteria Use Case






1. Create Form


 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



     Variable: visit_date






Date of Visit:  Today M-D-Y

 Add Field  Add Matrix of Fields



     Variable: gender






Gender: ☐ Male ☐ Female reset

 Add Field  Add Matrix of Fields

     Variable: age

Age:
 < 16 ineligible



 Add Field  Add Matrix of Fields

     Variable: diabetes






Diabetes: ☐ yes ☐ no reset
 yes ineligible

REDCap – Calculated Fields






2. Add Calculated Fields

Calculated Fields (do not create branching on calculated fields)

     Variable: *inelig_age*

Calculated Fields - Ineligible < 16 [View equation](#)

     Variable: *inelig_diabetes*

Calculated Field - ineligible has diabetes [View equation](#)

IF ([field] = value, set true, else false)

Calculation equation for variable "inelig_diabetes"

Variable Name: *inelig_diabetes*
Field Label: Calculated Field - ineligible has diabetes
Calculation: if ([diabetes] = 1, 1,0)

Calculation equation for variable "inelig_age"

Variable Name: *inelig_age*
Field Label: Calculated Fields - Ineligible < 16
Calculation: if ([age] < 16,1,0)

REDCap – Calculated Fields

*** Make sure you do not enable branching on the calculated field.

The screenshot shows the REDCap 'Calculated Fields' management interface. At the top, there is a yellow header bar with a pencil icon and a red 'X' icon, and the title 'Calculated Fields'. Below this, there are two buttons: 'Add Field' and 'Add Matrix of Fields'. The interface displays two calculated fields, each with a row of icons (pencil, copy, paste, undo, redo, and a red 'X') and a 'Variable' label. The first field is 'Calculated Fields - Ineligible < 16' with the variable 'inelig_age'. It has a text input field and a 'View equation' link. The second field is 'Calculated Field - ineligible has diabetes' with the variable 'inelig_diabetes'. It also has a text input field and a 'View equation' link. Below the second field, there is a note: 'cant hide a calculated var need desc var to hide and show'.

** you will have errors upon entry if you enable branching on a calculate field

The dialog box contains the following text:

ERASE CURRENT VALUE OF THE FIELD "inelig_age" ?






The current field for which you just entered data requires that the field named "inelig_age" be hidden from view. However, that field already has a value, so its value might need to be reset back to a blank value.

Click OK to HIDE this field and ERASE its current value. Click CANCEL if you DO NOT wish to hide this field or erase its current value.

At the bottom right, there are two buttons: 'OK' and 'Cancel'.

REDCap – Action Tags

While testing keep calculated fields visible then use Action tags in field

     Variable: inelig_diabetes

Calculated Field - ineligible has diabetes [View equation](#)

Field Annotation [@ Learn about Action Tags](#)



Explanatory notes - not displayed on any page

All available action tags and their descriptions:

<input type="button" value="Add"/>	@HIDDEN	Hides the field on the survey page, the data entry form, and in the REDCap mobile app. Field will stay hidden even if branching logic attempts to make it visible.
<input type="button" value="Add"/>	@HIDDEN-FORM	Hides the field only on the data entry form (i.e., not on the survey page). Field will stay hidden even if branching logic attempts to make it visible.
<input type="button" value="Add"/>	@HIDDEN-SURVEY	Hides the field only on the survey page (i.e., not on the data entry form). Field will stay hidden even if branching logic attempts to make it visible.
<input type="button" value="Add"/>	@READONLY	Makes the field read-only (i.e., disabled) on the survey page, the data entry form, and in the REDCap mobile app so that its value cannot be changed.
<input type="button" value="Add"/>	@READONLY-FORM	Makes the field read-only (i.e., disabled) only on the data entry form (i.e., not on the survey page or mobile app) so that its value cannot be changed.
<input type="button" value="Add"/>	@READONLY-SURVEY	Makes the field read-only (i.e., disabled) only on the survey page (i.e., not on the data entry form or mobile app) so that its value cannot be changed.






REDCap — Descriptive Fields, Advanced Branching

3. Create section to display reasons a subject may be ineligible






Reasons for Ineligibility (create descriptive fields and enable branching here to display helpful information)

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

     Variable: desc_inelig [Branching logic exists]






Reasons Ineligible

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

     Variable: desc_inelig_age [Branching logic exists]

.....Ineligible < 16

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

     Variable: desc_inelig_diabetes [Branching logic exists]

.....ineligible has diabetes

Choose method below for the following field:

☒ **Advanced Branching Logic Syntax**

Show the field ONLY if...

[age] < 16 or [diabetes] = '1'


☐ **Advanced Branching Logic Syntax**

Show the field ONLY if...

[age] < 16

** embed html ex: TEXT HERE



Field Type: Descriptive Text (with optional Image/Vide

Field Label  [How to use Piping](#)

Reasons Ineligible

REDCap – Advanced Branching & Formatting






4. Create section to display reasons a subject may be ineligible

Subject Status

Add Field






Add Matrix of Fields

     Variable: desc_eligible [Branching logic exists]

Subject is eligible

Add Field






Add Matrix of Fields

     Variable: desc_not_eligible [Branching logic exists]

Subject is NOT eligible

Add Field


Add Matrix of Fields

     Variable: eligible

Eligible (0=NO/1=YES)

View equation

variable to be used for randomization or reporting

Field Label  [How to use Piping](#)

Subject is NOT eligible

Calculation Equation [How do I format the equation?](#)

if ([inelig_age] = '1' or [inelig_diabetes] = '1',1,0)

REDCap

5. Using the eligible field to prevent an action ex: prevent randomization on an ineligible subject

Add Field

Add Matrix of Fields



Variable: is_not_eligible

[Branching logic exists]

Subject is NOT Eligible

Add Field

Add Matrix of Fields



Variable: desc_rand

[Branching logic exists]

Subject is Eligible to Randomize

Add Field

Add Matrix of Fields



Variable: rand_date

[Branching logic exists]

Date of Randomization



Today

M-D-Y

Add Field

Add Matrix of Fields



Variable: treatment

[Branching logic exists]

Treatment

☐ Control


☐ Intervention

reset

Add Field





Add Matrix of Fields

REDCap – Completed Subject







Record ID	<input type="text" value="h"/>
Date of Visit:	<input type="text" value="01-13-2016"/>  Today M-D-Y
Gender:	<input type="radio"/> Male <input checked="" type="radio"/> Female reset
Age:	<input type="text" value="12"/> < 16 ineligible
Diabetes:	<input checked="" type="radio"/> yes <input type="radio"/> no reset yes ineligible
Calculated Fields (do not create branching on calculated fields)	
Calculated Fields - Ineligible < 16	<input type="text" value="1"/> View equation
Calculated Field - ineligible has diabetes	<input type="text" value="1"/> View equation
Reasons for Ineligibility (create descriptive fields and enable branching here to display helpful information)	
Reasons Ineligible	
.....Ineligible < 16	
.....ineligible has diabetes	
Subject Status	
Subject is NOT eligible	
Eligible (0=NO/1=YES)	<input type="text" value="0"/> View equation variable to be used for randomization or reporting

REDCap – Completed Subject

Randomization – Ineligible

 Editing existing Record ID 1	
Record ID	1
Subject is NOT Eligible	
Form Status	
Complete?	  Incomplete ▾
Lock this record for this form?	
If locked, no user will be able to edit this record on this form until someone with Lock/Unlock privileges unlocks it. <input type="checkbox"/>  Lock	

Randomization - Eligible

 Editing existing Record ID 3	
Record ID	3
Subject is Eligible to Randomize	
Date of Randomization	  <input type="text"/>  Today M-D-Y
Treatment	   Randomize