

REDCap Advanced Topics

University of Iowa



**Institute for Clinical and
Translational Science (ICTS)**

[https://www.icts.uiowa.edu/confluence
/display/ICTSit/REDCap#REDCap-
REDCapAdvancedTopicsTraining](https://www.icts.uiowa.edu/confluence/display/ICTSit/REDCap#REDCap-REDCapAdvancedTopicsTraining)





Branching Logic

Fred McClurg, fred-mcclurg@uiowa.edu
Heath Davis, heather-davis@uiowa.edu

https://www.icts.uiowa.edu/confluence/download/attachments/53149797/REDCap_Branching_Logic.pdf



Branching Logic

- Mechanism for defining conditional fields.
- Branching logic is applied to the field to be “hidden”.
- “Code a little, test a little, peep, peep, peep, peep” †

† Sung to the tune of *Pick-a-Little, Talk-a-Little* from the musical “Music Man”



Advanced Branching Logic

Conditional multiple textboxes

The "if not blank condition" (method 1)

1. Create maximum fields anticipated.
2. Apply branching logic.
 - a. Assign to "medication_2":
`[medication_1] <> ''`
 - b. Assign to "medication_3":
`[medication_2] <> ''`
 - c. ...



"If Not Blank Condition" Result

Branching logic on each field

Medication 1:

Press tab to display next field ...

Medication 2:

Press tab to display next field ...

Medication 3:

Press tab to display next field ...



Advanced Branching Logic

Conditional multiple textbox

The "if count condition" (method 2)

1. Create textbox for integer count
2. Create maximum fields anticipated
3. Apply branching logic
 - a. Assign to "med_1":
`[med_count] >= 1`
 - b. Assign to "med_2":
`[med_count] >= 2`
 - c. ...



The “If Count Condition” Result

Branching logic on count

Med Count:

2

How many medications do you take?

Med 1:

Pepto-Bismol (Bismuth Subsalicylate)

Med 2:

Tums (Calcium Carbonate)



REDCap Newsletter

- **Monthly REDCap Newsletter**

- ☐ Upcoming Training
- ☐ Walk-in Hours Schedule
- ☐ Helpful Tips
- ☐ New REDCap Functionality
- ☐ Frequently Asked Questions (and answers)
- ☐ REDCap Best Practices



- **REDCap LISTSERV Subscription:**

- ❖ <https://list.uiowa.edu/scripts/wa.exe?SUBED1=REDCAP&A=1>



REDCap Documentation

- **Training within REDCap:**

- **FAQs (Help & FAQ Tab):**



<https://redcap.icts.uiowa.edu/redcap/index.php?action=help>

- **Video (Training Resources Tab):**



<https://redcap.icts.uiowa.edu/redcap/index.php?action=training>

- **Local REDCap documentation:**



<https://icts.uiowa.edu/confluence/display/ICTSit/REDCap>

