



REDCap: Beyond Forms

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Agenda

- Importing Data
- Reports and Exporting Data
- Security
- REDCap's Audit Trail (Logging)
- Data Quality Rules

Importing Data

Importing Data – Three Basic Steps

1. Download the CSV Import Template file
2. Get your data into the template file
3. Import the data into REDCap


1. Download the CSV Import Template File

Data Import Tool

This module may be used for importing data into this project from a CSV file or alternatively from an XML file in CDISC ODM format. Below are the steps you will need to follow in order to import your data successfully into this project.

 CSV import

 CDISC ODM (XML) import

 View background imports

Instructions:

- 1.) You may import a modified version of a CSV data export file, or you can obtain a blank CSV data import template that you can save locally and add data that you wish to import. [Download your Data Import Template](#). Also download with other delimiters: [Semicolon \(;\)](#), [Tab](#) (with records in row format), or alternatively download the template with records in [column format](#). Also download with other delimiters: [Semicolon \(;\)](#), [Tab](#).

2. Get your data into the template file

- Use Excel or a text editor
- Be careful not to save to the Excel format
- Leave any fields you do not wish to update blank
- You must have the following fields
 1. First column: record id field
 2. In a longitudinal study, the second column must be redcap_event_name. Values must be the unique event name listed on Define My Events page
- The optional form_complete field can have the following values
 - 0 = incomplete
 - 1 = unverified
 - 2 = complete

3. Import the data into REDCap

Choose an import option

Import in real time ▼ ?

Select your CSV data file

Choose File BeyondFor...9-16_1434.csv

Display the data comparison table?

Yes, display uploaded data prior to importing ▼ ?

Overwrite data with blank values?

No, ignore blank values in the file ▼



File format settings

CSV delimiter of data file:


Comma (,) ▼

Format for date/datetime values:

MM/DD/YYYY or YYYY-MM-DD ▼

Records in file are formatted as

Rows ▼

 Upload File

After clicking Upload File...

- REDCap reports warnings, errors, or that everything went okay, but you are not done

Instructions for Data Review

The data you uploaded from the file is displayed in the Data Display Table below. Please inspect it carefully to ensure that it is all correct. After reviewing it, click the 'Import Data' button at the bottom of this page to import this data into the project.

KEY for Data Display Table below
Black text = New Data
Gray text = Existing data (will not change)
(Red text) = Data that will be overwritten
Red box = error
Orange box = warning

- Important: Scroll down to bottom of page & click [Import Data](#) to commit

Do you wish to import the new data (displayed above) into the project?
(Click the button below to import the data.)

[Cancel](#)

Importing data – Additional Considerations (1 of 2)

- If the project has existing data and you want to completely replace the records, you will need to delete all the records first using [Project Setup | Other Functionality](#)
- If you wish to update selective records, then don't delete anything first but do pay attention to the [Allow blank values to overwrite existing saved values](#) Option
- If you have date fields and are using European date format (with days first), you will want to adjust the [Format for date and datetime](#) values option
- You can import records with the data stored as columns instead of rows
 - Download the columns template and adjust the Record format when uploading

Importing data – Additional Considerations (2 of 2)

- If your project uses repeating instruments/events, then the import template will include additional fields
- This is discussed in more detail in **RC205: Collecting data in REDCap at multiple timepoints** seminar


Reports and Exporting Data

Reports and Exporting Data

- REDCap unifies the concepts of reporting and exporting
 - All reports and exports start with a report
 - Then you either print the report or export the data behind the report

Creating a Report

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
A	All data (all records and fields)	View Report Export Data Stats & Charts	
B	Selected instruments (all records)	Make custom selections	
+ Create New Report			

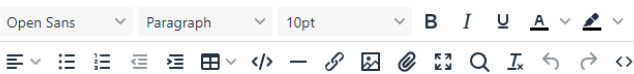
Creating a Report

Give it a name

Name of Report:

Set as "public": Enabling this feature below will auto-generate a public link for viewing the report without needing to log in to REDCap.
 Report is publicly viewable by anyone with the public link

Description (optional): Displayed on page below report name

Open Sans Paragraph 10pt B I U A 

STEP 1

User Access: Choose who can edit and view this report

View Access: Choose who sees this report on their left-hand project menu [?](#)

All users - OR - Custom user access (Choose specific users, roles, or data access groups who will have access)

Edit Access: Choose who can edit, copy, or delete this report (requires user to have 'Add/Edit/Organize Reports' privileges)

All users - OR - Custom user access (Choose specific users, roles, or data access groups who will have access)

STEP 2

Fields to include in report + Quick Add Add all fields from selected instrument: ... choose instrument ...

Field	Field Name	Instrument
Field 1	subject_id "Subject Id"	Instrument: My Study Instrument
Field 2	Type variable name or field label	Instrument:

Additional report options (optional)

Combine checkbox options into single column of only the checked-off options (will be formatted as a text field when exported to stats packages)

Remove line breaks/carriage returns from all text data values (only applicable for CSV Raw and CSV Label data exports)

In the report header, display the field label, variable, or both (not applicable for exports?) Both

In the report's data, display the field label, raw data value, or both for multiple choice fields (not applicable for exports?) Both

Who can run report?

Select fields to include

Creating a Report

Filter records to include

STEP 3

[How to use filters and AND/OR logic](#)

Filters (optional)

Filter	Type variable name or field label	Operator	Value
Filter 1	<input type="text"/>	=	<input type="text"/>

Switch format: [Use advanced logic](#)

Live Filters (optional)

Live Filters can be selected on the report page for dynamically filtering data in real time. With the exception of the Record ID field, only multiple choice fields can be used as Live Filters (as well as Events, if longitudinal, and Data Access Groups, if any exist).

Live Filter 1	-- select a field --
Live Filter 2	-- select a field --
Live Filter 3	-- select a field --

STEP 4

Order the Results (optional)

First by	subject_id "Subject id"	Ascending order
by	Type variable name or field label	Ascending order
Then by	Type variable name or field label	Ascending order

Sort the report

Live Report Filter

- Allows you to filter on a categorical (multiple choice) field whose value can be chosen when the report is run!



The screenshot shows the REDCap Live Report interface. At the top, there are navigation buttons: "Create New Report", "My Reports & Exports", "Other Export Options", and "View". Below these, it displays "Number of results returned: 2" and "Total number of records queried: 6". A dropdown menu for "Live filters" is open, showing options: "[Gender]", "Male", "Female" (selected with a checkmark), and "(blank value)". Below the filter, the text "All Subjects (with Live Filter)" is displayed. A table of results is shown below, with columns for Subject ID, Date Enrolled, Gender, Date of birth, Today's Date, Height (in inches), Weight (in pounds), and Smoking status.

Subject ID (subject_id)	Date Enrolled (enr_date)	Gender (enr_gender)	Date of birth (enr_birth_date)	Today's Date (bas_date)	Height (in inches) (bas_height)	Weight (in pounds) (bas_weight)	Smoking status (bas_smoking_status)
<u>2</u>	09-24-2014	Female (2)	04-16-1950	09-24-2014	55	132	Former smoker (2)
<u>4</u>	09-26-2014	Female (2)	04-19-1980	09-26-2014	72	190	Never smoked (1)

Exporting Data (1 of 3)

- First create the report, or simply run built-in [All Data](#) report
- Run the report and click [Export Data](#)








Exporting Data (2 of 3)

- Choose export format
- And optional options
- Click Export Data

Exporting "All Subjects (with Live Filter)"

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 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?](#)

[Deselect all options](#)

Apply live filters?

One or more live filters have been selected on this report. Do you wish to apply the live filters to the data export, thus producing the same data set that you currently see displayed on the report?

Apply live filters selected on this report

Advanced data formatting options

Export blank values for gray Form Status?
All Form Status fields with a gray status icon can be exported either as a blank value or as "0" (Incomplete). Hint: Blank values are recommended if the data will be imported back into REDCap, in which this preserves the gray status icons for all the imported records.

Export gray Form Status fields with value of "0"

Set CSV delimiter character
Set the delimiter used to separate values in the CSV data file (only valid for CSV Raw Data and CSV Labels export formats):

. (comma) - default

Force all numbers into a specified decimal format?
You may choose to force all data values containing a decimal to have a specified decimal character (comma or period/full stop). This will be applied to all calculations and number-validated text values in the export file.

Use fields' native decimal format (default)

NOTE: Your data formatting selections above will be remembered in the future and will be pre-selected upon your next export.

Exporting Data (3 of 3)

- Click icon(s) to complete download

✓ Data export was successful!

The data export was successful, and your data is now ready to be downloaded. Click the download icon(s) below on the right to download your data file. If exporting to a specific statistical analysis package, you will additionally need to download the syntax file that is provided for that stats package. For more details, follow the instructions in the box below.

Citation Notice


Please cite the REDCap project when publishing manuscripts (citation information and template methods language are [available here](#)).

CSV / Microsoft Excel (raw data)

You may download the survey results in CSV (comma-separated) format, which can be opened in Excel. You have the choice of downloading the data either with the full headers and answer labels or just with the answer codes (i.e. raw data).

NOTE: If you are using a version of Microsoft Excel prior to Excel 2007, due to limitations the data will only be read to 255 columns when opened.

Click icon(s) to download:



[Send file?](#)

Close

De-identification during export

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?](#)

[Deselect all options](#)

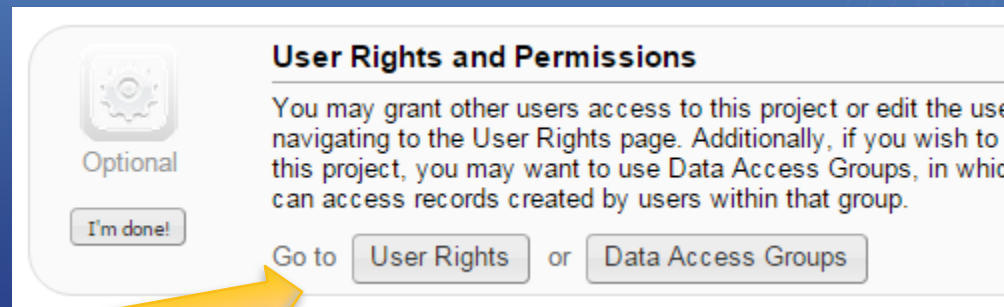
Exporting data – Additional Considerations

- If your project is longitudinal or uses repeating instruments, then the exported data will include additional fields that indicate the event or repeating instrument number
- This is discussed in more detail in **RC205: Collecting data in REDCap at multiple timepoints** seminar


Security

REDCap Security

1. REDCap Admin creates user account in **Control Center**
2. Project security admin grants user rights to a project in **Project Setup**
 - User rights can be granted to a user or a role
 - Using roles eases rights management
 - Fred Hutch uses a template to create new projects with a set of pre-defined roles that can be adjusted



User Rights and Permissions

 Optional

Go to or

REDCap Users, Roles, & Permissions (1 of 2)

[Project Home](#) |
 [Project Setup](#) |
 User Rights |
 [Data Access Groups](#)

Add new users: Give them custom user rights or assign them to a role.

[+ Add with custom rights](#)
 — OR —
 [Assign to role](#)

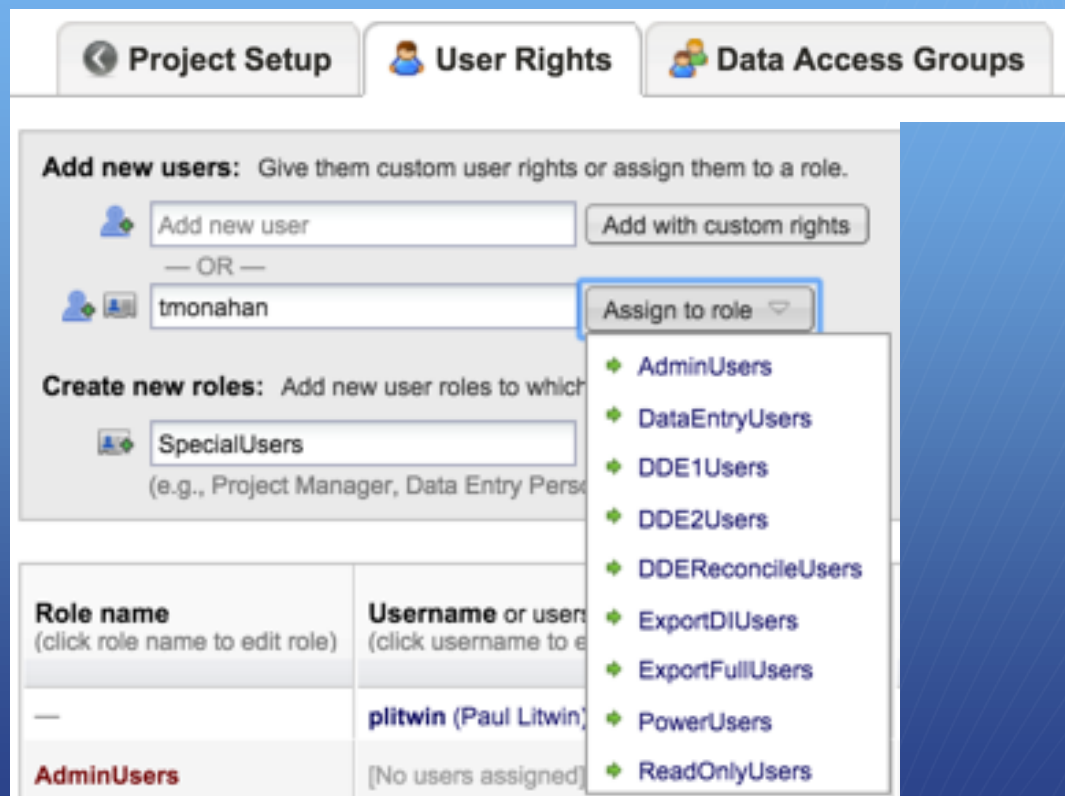
Create new roles: Add new user roles to which users may be assigned.

[+ Create role](#)
 (e.g., Project Manager, Data Entry Person)

Role name <small>(click role name to edit role)</small>	Username or users assigned to a role <small>(click username to edit or assign to role)</small>	Expiration <small>(click expiration date to edit)</small>	Project Design and Setup	User Rights	Data Access Groups	Data Viewing Rights	Data Export Rights
—	plitwin (Paul Litwin)	never	✓	✓	✓	2 View & Edit	2 Full Data Set
AdminUsers	rmerrill (Ryan Merrill)	never	✓	✓	✓		2 Full Data Set
ApiUser	[No users assigned]		✗	✗	✗		2 Full Data Set
DataEntryUsers	[No users assigned]		✗	✗	✗		2 No Access
ExportDIUsers	[No users assigned]		✗	✗	✗		2 De-Identified
ExportFullUsers	drogers (David Rogers)	never	✗	✗	✗		2 Full Data Set
MobileUsers	[No users assigned]		✗	✗	✗		2 No Access
PowerUsers	pl_power_user (Paul Litwin) <small>[account suspended]</small>	never	✓	✓	✓	2 View & Edit	2 Full Data Set
	rmerrill_demo_user (Ryan Merrill)	never					
ReadOnlyUsers	[No users assigned]		✗	✗	✗		2 No Access

REDCap Users, Roles, & Permissions (2 of 2)

- Assigning a user to a role
- Note: A user can only be a member of 1 role (or no roles)



The screenshot shows the 'User Rights' tab in the REDCap interface. It features three main sections: 'Add new users', 'Create new roles', and a table of existing roles.

Add new users: This section includes a text input field with 'tmonahan' and a dropdown menu labeled 'Assign to role'. The dropdown menu is open, showing a list of roles: AdminUsers, DataEntryUsers, DDE1Users, DDE2Users, DDEReconcileUsers, ExportDIUsers, ExportFullUsers, PowerUsers, and ReadOnlyUsers.

Create new roles: This section has a text input field with 'SpecialUsers' and a note: '(e.g., Project Manager, Data Entry Person)'. There is also a button labeled 'Add with custom rights'.

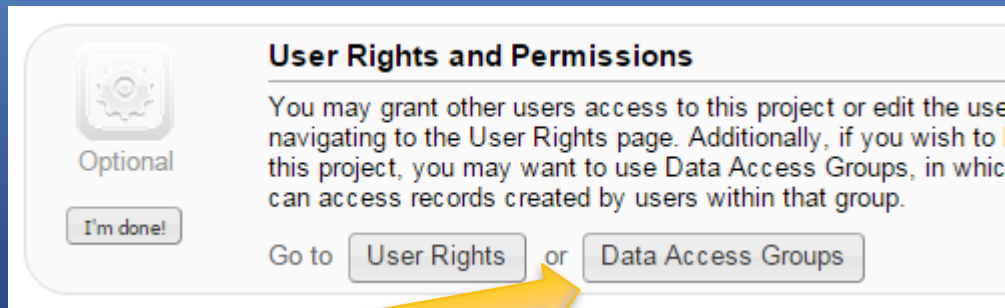
Role name (click role name to edit role)	Username or user (click username to edit user)
—	plitwin (Paul Litwin)
AdminUsers	[No users assigned]


Keeping REDCap & YOUR Data Secure

- It's important to let us know (redcaphelp@fredhutch.org) when a user on a project leaves your group or the Hutch so we can suspend their account
- We do a monthly user sweep where any inactive accounts will be suspended (no login activity during the previous six months)

Data Access Groups

- What are they?
 - A way to segment users so that each group only has access to *their* records
 - Common way to implement *sites* in a multi-site trial
- How to enable?
 - Under Project Setup



 **User Rights and Permissions**

Optional

[I'm done!](#)

You may grant other users access to this project or edit the user rights by navigating to the User Rights page. Additionally, if you wish to use Data Access Groups, in which users can access records created by users within that group.

Go to [User Rights](#) or [Data Access Groups](#)

Data Access Groups

- Users assigned to a Data Access Group (DAG) are limited in which records they can view or edit
- All project users not in a DAG have access to all records
- A record is assigned to a DAG automatically by user who creates the record
- A record can also be assigned to a DAG when the record is imported
- Note: A user may be able to view data from multiple DAGs, but only one can be viewed at a time. Utilize the DAG Switcher to switch between potential DAGs assigned to a user.

Data Access Groups

- Assigning users to DAGs

Role name <small>(click role name to edit role)</small>	Username or users assigned to a role <small>(click username to edit or assign to role)</small>	Expiration <small>(click expiration to edit)</small>	Data Access Group <small>(click DAG to assign user)</small>	Project Design	User	Data Access
DataEntryUsers	de_test (DataEntry Test)	never	Seattle			
	plitwin_test (Paul Litwin Test)	never	Detroit			

Assign user to a group:

Paris ▾

Assign Cancel

DAG Switcher

- Assign user to one DAG
- Then in the DAG Switcher section assign the user to all of the potential DAGs they can access.

Data Access Groups	Users in group
FH	rmerrill_demo_user (Ryan Merrill)
SCH	
UW	
[Not assigned to a group]	drogers (David Rogers), pl_power_user (Paul Litwin), plitwin (Paul Litwin), rmerrill (Ryan Merrill) * Can view ALL records

⚙️ DAG Switcher: Enable multiple Data Access Groups for users

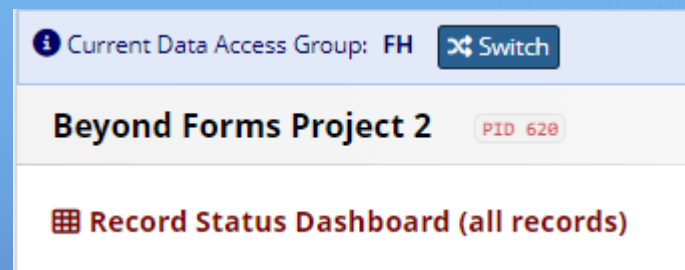
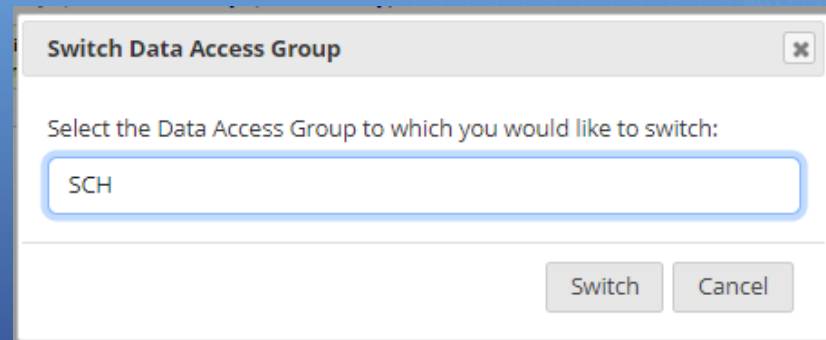
Users assigned to Data Access Groups (DAGs) can optionally be assigned to multiple switching in and out of specific DAGs on their own whenever they wish. To assign a user, at least two DAGs must be checked for a user in order for them to use the DAG assignment, as set above or on the User Rights page.

Show entries

Data Access Groups	Users				
	drogers	pl_power_user	plitwin	rmerrill	rmerrill_demo_user
[No Assignment]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
FH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SCH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
UW	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

DAG Switcher...

- When viewing records when using the DAG Switcher, the current DAG is displayed at the top of the page.
- Clicking the “Switch” button brings up a dropdown showing all potential DAGs the user is assigned to, allowing the user to view and create records under that DAG.

A screenshot of the top portion of a REDCap record page. At the top, it shows "Current Data Access Group: FH" with a blue "Switch" button to its right. Below this, the project name "Beyond Forms Project 2" is displayed in bold black text, with a red "PID 628" label to its right. At the bottom of this section, there is a red icon of a grid followed by the text "Record Status Dashboard (all records)".A screenshot of a modal dialog box titled "Switch Data Access Group". The dialog has a close button (an 'x' in a square) in the top right corner. The main text inside the dialog reads "Select the Data Access Group to which you would like to switch:". Below this text is a text input field containing the text "SCH". At the bottom right of the dialog, there are two buttons: "Switch" and "Cancel".



REDCap's Audit Trail

Audit Trail (Log)

- Click on the **Logging** link under Applications
- Here you can see the entire log for the project and filter it by...
 - Types of events
 - User
 - By record
 - By date range
- Log can be exported

Logging Export (CSV): All logging All pages using current filters

This module lists all changes made to this project, including data exports, data changes, and the creation or deletion of users.

Filter by event: All event types (excluding page views) ▾
 Filter by user name: All users ▾
 Filter by record: All records ▾
 Filter by records in a DAG: All data access groups ▾
 Filter by time range from: 09/09/2024 16:11  to  Custom range Past Day Past Week Past
 Displaying events (by most recent): 1 - 13 (Page 1 of 1) ▾

! By default, only the logged events from the past week are displayed below, but you may change the time range filter above.

Time / Date	Username	Action	List of Data Changes OR Fields Exported
09/16/2024 4:08pm	rmerrill	Manage/Design	DAG Switcher: Assign user to additional DAGs user = 'rmerrill_demo_user', group = 'sch'
09/16/2024 4:07pm	rmerrill	Manage/Design	Create data access group
09/16/2024 4:04pm	rmerrill	Manage/Design	Assign user to data access group user = 'rmerrill_demo_user', group = 'FH'
09/16/2024 4:01pm	rmerrill	Manage/Design	DAG Switcher: Assign user to additional DAGs user = 'rmerrill_demo_user', group = 'uw'
09/16/2024 4:01pm	rmerrill	Manage/Design	DAG Switcher: Assign user to additional DAGs user = 'rmerrill_demo_user', group = 'fh'
09/16/2024 4:01pm	rmerrill	Manage/Design	Create data access group
09/16/2024 4:01pm	rmerrill	Manage/Design	Create data access group
09/16/2024 3:25pm	rmerrill	User assigned to role rmerrill_demo_user	user = 'rmerrill_demo_user', role = 'PowerUsers'
09/16/2024 3:25pm	rmerrill	Add user rmerrill_demo_user	user = 'rmerrill_demo_user'

Audit Trail (Log)

- You can also click on the H (for history) next to any field to bring up the audit trail for that particular field

Identifier given by group who acquired the sample



i.e., RO40004 is a repository identifier for Protocol 1690 repository

Data History for variable "acquisition_id" for record "2"

Listed below is the history of all data entered for the variable "acquisition_id" for DHArMA Project ID "2". The data history results are sorted from earliest to most recent.

Date/Time of Change	User	Data Changes Made
10/03/2016 4:57pm	jlsmith	NC-24B
10/06/2016 10:02am	apaguiari	
10/06/2016 11:12am	apaguiari	NC-24B

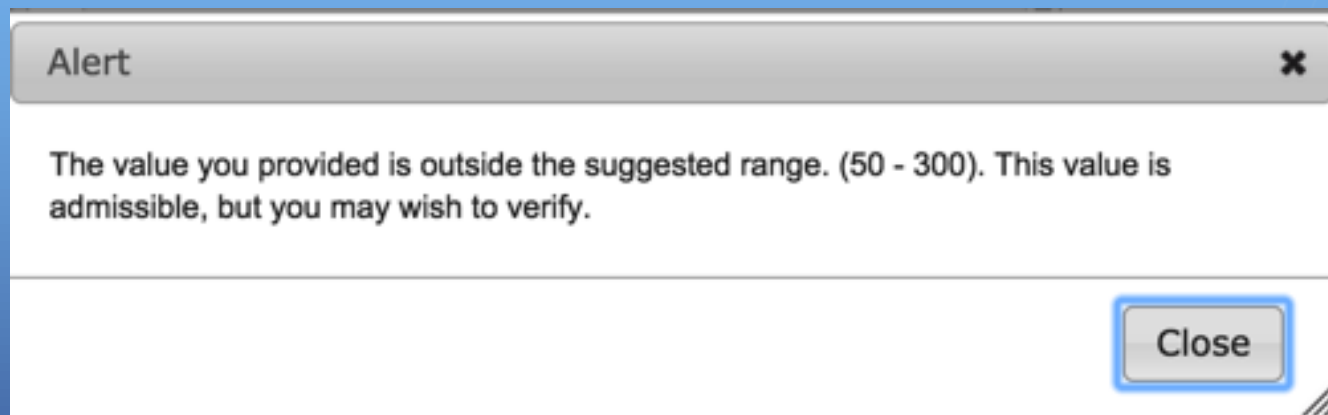
Close

Data Quality Rules

What are Data Quality Rules and why use them?

- What are Data Quality Rules?
 - A mechanism for applying validation logic to data that has already been collected
 - Can be run regularly
 - Can be run manually or automatically (real time execution)
- Why use them?
 - Standard REDCap validation is not absolutely enforced
 - Standard REDCap validation is simplistic
 - You may have rushed to get project launched without complete validation
 - Data cleaning

Reason for using Data Quality Rules: REDCap Field Validation can be overridden



Creating a Simple Data Quality Rule

Add	Baseline Interview Height should be between 48 and 84 inches	[bas_height] < 48 or [bas_height] > 84
	Enter descriptive name for new rule (e.g., Participants below age 18)	Enter logic for new rule (e.g., [age] < 18)

This will become the error message. Either tell them what are good values **or** what are bad values (but try to be consistent across the project)!

This is the expression that, when satisfied, will trigger the error. IOW, this defines **bad** values.

Running Data Quality Rules

Data Quality Rules

Execute rules: **All** All except A&B All custom Clear

Apply to: -- All records --

Rule #	Rule Name	Rule Logic (Show discrepancy only if...)	Real-time execution ?	Total Discrepancies	Delete rule?
A	Missing values*	-		Execute	
B	Missing values* (required fields only)	-		Execute	
C	Field validation errors (incorrect data type)	-		Execute	
D	Field validation errors (out of range)	-		Execute	
E	Outliers for numerical fields (numbers, integers, sliders, calc fields)	-		Execute	
F	Hidden fields that contain values**	-		Execute	
G	Multiple choice fields with invalid values	-		Execute	
H	Incorrect values for calculated fields	-		Execute	
1	Baseline Interview Weight is not between 50 and 300 pounds	[bas_weight] < 50 or [bas_weight] > 300	<input type="radio"/>	Execute	<input checked="" type="checkbox"/>

Creating Data Quality Rules using the DateDiff Function

BirthDate can't be after Enrollment date

```
datediff([enr_birth_date], [enr_date], "y",  
"mdy", true) > 100
```

Birth date can't be less than 18 years prior to enrollment

```
datediff([enr_birth_date], [enr_date], "d",  
"mdy", true) < 18
```

3-month follow-up less than 90 days or more than 115 days after enrollment

```
datediff([enr_date],[fu3_date],"d",  
"mdy",true) > 115 or datediff([enr_date],  
[fu3_date],"d", "mdy", true) < 90
```

Creating Data Quality Involving Multiple Fields in Longitudinal Studies

- Last rule (from previous slide) in a Classic project

3-month follow-up less than 90 days or more than 115 days after enrollment

```
datediff([enr_date],[fu3_date],"d",  
"mdy",true) > 115 or datediff([enr_date],  
[fu3_date],"d", "mdy", true) < 90
```

- Same rule in a Longitudinal project

3-month follow-up less than 90 days or more than 115 days after enrollment

```
datediff([baseline_arm_1][enr_date],  
[month_3_arm_1][int_date],"d", "mdy",true)  
> 115 or datediff([baseline_arm_1]  
[enr_date],[month_3_arm_1][int_date],"d",  
"mdy", true) < 90
```

Syntax for longitudinal fields: [event-name][field-name]

More on Data Quality Rules

- Real-time execution

Baseline Interview Height should be between 48 and 84 inches

Enter descriptive name for new rule
(e.g., Participants below age 18)

`[bas_height] < 48 or [bas_height] > 84`

Enter logic for new rule
(e.g., [age] < 18)
[How do I use special functions?](#)

Execute in real time on data entry forms [?](#)

- Exclusions

Rule #1: **Baseline Interview Weight is not between 50 and 300 pounds** ✕

Discrepancies found: **1**

Record	Discrepant fields with their values	Status	Exclude 
1	bas_weight: 48	Issue exists	exclude

Summary

Summary

- REDCap has advanced features that support...
 - Importing data into projects
 - Reports containing ordering and filtering logic
 - Exporting data to a variety of formats
 - Fine-grained security supporting users and roles
 - Data access groups so that site staff see only *their* site's data
 - Detailed audit trail allows tracking of what has happened in the project
 - Data quality rules that allow you to clean your data using complex validation logic

More Information

More Information

- Visit <http://redcap.fredhutch.org>
 - Link to weekly office hours on Microsoft Teams 3:00-3:30pm
- Questions? Email us at redcaphelp@fredhutch.org



Thank you!

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Collaborative Data Services (CDS)