

Guidance on Building a Non-exempt eConsent from a Pre-Built REDCap Template

*Boston University Medical Campus
Boston University Charles River Campus
Boston Medical Center*

This guidance will explain the technical steps to build an eConsent project in REDCap using pre-built templates for research projects at Boston Medical Center, Boston University Medical Campus (BUMC), and Boston University Charles River Campus (CRC). Specifically, this guidance is intended for research that requires signatures on the consent form. Under Massachusetts law, a person typing their name on an electronic document constitutes a legally valid signature. REDCap has additional functionality for completing a legally valid signature using a stylus, mouse, or finger. For studies occurring outside of Massachusetts, researchers should abide by applicable state laws.

If the study is non-exempt and the IRB has approved a waiver of documentation of consent (no signature required), researchers should use the [Guidance on Building REDCap eConsent for Minimal risk or Exempt Research Not Requiring Signatures or Exempt Research that Includes HIPAA authorization](#).

The [Using eConsent: Overview and General Instructions](#) guidance provides information about eConsent, REDCap, DocuSign, and FDA Part 11 compliance requirements. **Reviewing this eConsent Overview should be the first step prior to completing the technical steps for building the project in REDCap.**

Although this guidance has been created with best study practices in mind, certain features or functionalities may need to be altered to match unique study needs and workflow. This guidance assumes intermediate REDCap user knowledge. For beginners, please contact rchelp@bu.edu for a consultation prior to starting the project.

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Create a REDCap Account

A REDCap account must be set up prior to completing any further steps. To request a REDCap account, the [End User Agreement](#) must be completed. A REDCap sponsor may need to be listed depending on the requestor's role or affiliation. This sponsor must be an existing BU or BMC REDCap end user with an active account.

Start a New eConsent Project

It is best practice for REDCap eConsent Instruments/Surveys to be maintained in their own project, separate from the main study database (i.e., you should maintain consent forms in one REDCap project and coded participant study data in another REDCap project). This helps to ensure participant confidentiality by keeping personal (direct) identifiers such as name and date on the consent form separate from the participant study ID and data.

However, this best practice is not an absolute requirement, and your project may differ depending on the study design. Your set-up of the project in REDCap should follow the IRB-approved protocol. If you

plan to maintain study data in the same project as the signed consent then this should be described in the Confidentiality of the Data section within the IRB application.

1. [Log into REDCap](#) and click “New Project” at the top menu.
2. Complete Project title, Purpose, and Principal Investigator info.
3. Select “Use a template (choose one below)” under “Project Creation Option”.
4. Choose “eConsent for Non-Exempt Research” under “Choose a project template” and press the blue “Create Project” button. See [Appendix B](#) for overview of the template instruments.
5. Click “I agree” on the pop-up notice.

+

Create a new REDCap Project

You may begin the creation of a new REDCap project on your own by completing the form below and clicking the Create Project button at the bottom.

Project title:

Non-Exempt eConsent Example

Project's purpose:

Research

Name of P.I. (if applicable):

John Smith

Email of P.I. (if applicable):

jsmith@bu.edu

Name of P.I. as cited in publications (if applicable):

IRB number (if applicable):

H-12345

Please specify:

☐ Basic or bench research
☒ Clinical research study or trial
☐ Translational research 1 (applying discoveries to the development of trials and studies in humans)
☐ Translational research 2 (enhancing adoption of research findings and best practices into the community)
☐ Behavioral or psychosocial research study
☐ Epidemiology
☐ Repository (developing a data or specimen repository for future use by investigators)
☐ Other

Assign project to a Project Folder?

☐

Project notes (optional):

Project creation option:

☐ Empty project (blank slate)
☐ Upload a REDCap project XML file (CDISC ODM format) [?](#)
☒ Use a template (choose one below)

★ Choose a project template

select template	Template title (sorted by title)	Template description
<input type="radio"/>	Basic Demography	Contains a single data collection instrument to capture basic demographic information.
<input type="radio"/>	Classic Database	Contains six data entry forms, including forms for demography and baseline data, three monthly data forms, and concludes with a completion data form.
<input type="radio"/>	e-Consent for Exempt Research	CRRO Guidance
<input checked="" type="radio"/>	e-Consent for Non-Exempt Research	CRRO Guidance
<input type="radio"/>	eReg Lite Template	CRRO eReg Lite Guidance
<input type="radio"/>	Field Embedding Example Project	Contains a single data collection instrument to demonstrate the Field Embedding feature

Create Project

Cancel


Upload the IRB Approved stamped Informed Consent Form (ICF)

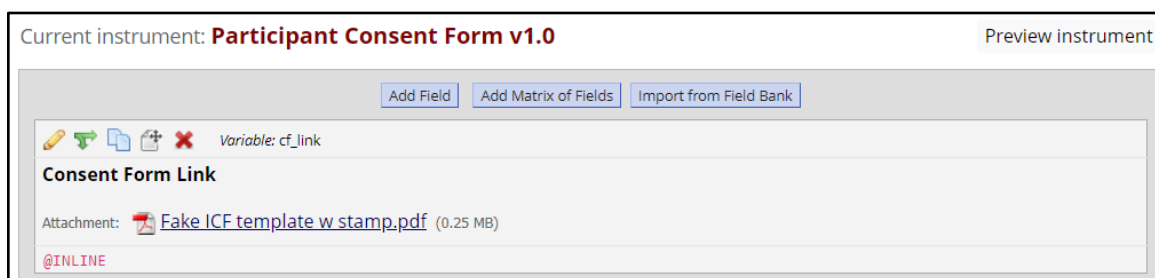
The consent form stamped with the IRB approval must be displayed on the REDCap eConsent. This can be done by uploading the approved PDF to a descriptive text field.

Note, the IRB requires this method of using the REDCap PDF inline display instead of adding the consent text into a text field. This ensures that the IRB-approved stamped consent is what is used as it minimizes

risk for the consent form language to be inadvertently changed. Therefore, this guidance will not include step-by-step instructions here for adding consent language as text into REDCap direct data entry/capture of consent language text into REDCap. If there is a good reason why text display is needed instead of PDF display for your study, please reach out to medirb@bu.edu.

To Upload the Approved Consent as Inline PDF

- From the left menu, click “Designer” and then the instrument “Participant Consent Form v1.0”.
- Click edit  on the “Consent Form Link” form.




Current instrument: **Participant Consent Form v1.0** Preview instrument

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

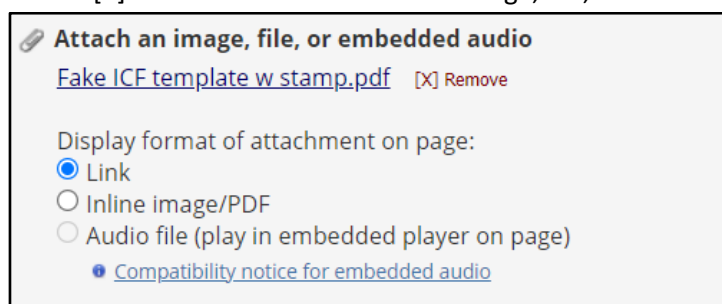
Variable: cf_link


Consent Form Link

Attachment:  [Fake ICF template w stamp.pdf](#) (0.25 MB)

@INLINE

- Select “[X] Remove” under “Attach an image, file, or embedded audio”



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

[Fake ICF template w stamp.pdf](#) [X] Remove

Display format of attachment on page:

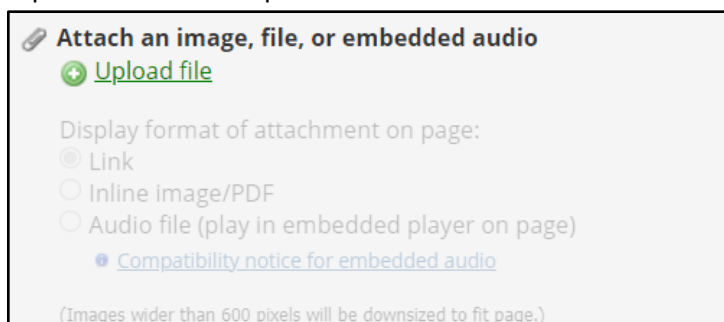
☒ Link


☐ Inline image/PDF


☐ Audio file (play in embedded player on page)

[Compatibility notice for embedded audio](#)

- This will prompt the deletion of the current PDF of the fake ICF present in the template and replace it with a file upload field.



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

 [Upload file](#)

Display format of attachment on page:

☒ Link

☐ Inline image/PDF

☐ Audio file (play in embedded player on page)

[Compatibility notice for embedded audio](#)

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

- Click “+ Upload file” and follow the prompts to upload a PDF of the study’s IRB approved ICF.
- Select “Inline image/PDF” under “Display format of attachment on page”.

Attach an image, file, or embedded audio

[Fake ICF template w stamp.pdf](#) [X] Remove

Display format of attachment on page:

☐ Link
 ☒ Inline image/PDF
 ☐ Audio file (play in embedded player on page)

[Compatibility notice for embedded audio](#)

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

7. Click “Save”.
8. Repeat these steps for the instrument “Consent Form (participant and study personnel) v1.0”.

Update the Optional Questions

1. The instrument “Participant Consent Form v1.0” includes a matrix of fields that reflects an optional sub-study/recontact section that may be present in the IRB approved ICF.

Matrix group: recontact

Optional sub-study/recontact section:

We would like to ask your permission to contact you again in the future. This contact would be after the study has ended. Please select your choices below:

	Yes	No
Variable: add_inform You may contact me again to ask for additional information related to this study <small>* must provide value</small>	<input type="radio"/>	<input type="radio"/>
		reset
Variable: bio_sample You may contact me again to ask for additional biological samples related to this study <small>* must provide value</small>	<input type="radio"/>	<input type="radio"/>
		reset
Variable: diff_study You may contact me again to let me know about a different research study <small>* must provide value</small>	<input type="radio"/>	<input type="radio"/>
		reset
Variable: other You may contact me again to list reason - or delete line <small>* must provide value</small>	<input type="radio"/>	<input type="radio"/>
		reset

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

- a. If the study’s IRB approved ICF does not include a recontact section, delete the matrix using the delete icon
 - b. If the study’s IRB approved ICF includes a recontact section, update all fields accordingly
2. To edit, click the edit icon for each matrix field.
3. From the edit menu, alter the header text, questions (matrix rows), and answers (matrix column choices) to exactly match what is in the IRB-approved consent.
4. Review the re-contact fields below the matrix and delete or edit them as applicable.
5. Any changes should be repeated in the “Consent Form (participant and study personnel) v1.0” instrument.

Update the Survey Language for the Participant Consent Form

All information for study participants including survey instructions and survey completion text must be reviewed and approved by the IRB prior to implementation.

1. In “Survey Settings” under “Basic Survey Options” fill in “Survey Title” with the study’s H# and “Survey Instructions” to reflect any study specific consent processes (e.g., Please review this research consent form with the study coordinator). This information will appear at the top of the participant’s eConsent survey page.

Basic Survey Options:

Survey Title
H-12345 Study Consent Form
Title to be displayed to participants at the top of the survey page

Survey Instructions
(Displayed at top of survey after title)

Paragraph

Please review this electronic consent form with the study coordinator.

[How to use Piping here](#)

2. Scroll down to “Survey Termination Options”. Edit the template text as applicable.

Survey Completion Text
(Displayed after survey is completed as 'thank you' text or as acknowledgement text)

Paragraph


Thank you for your participation in the research study:

Protocol Name
If you have any questions, please contact:
Study Staff Name:
xxx-xxx-xxxx
xxxx@bu.edu or xxxx@bmc.org

[How to use Piping here](#)

Finalize the Project

1. Review the remaining steps on the Project Setup page prior to finalizing the project.
2. As a best practice for any REDCap project design, please follow the 'Test your project thoroughly' instructions on the Project Setup tab.



Not started

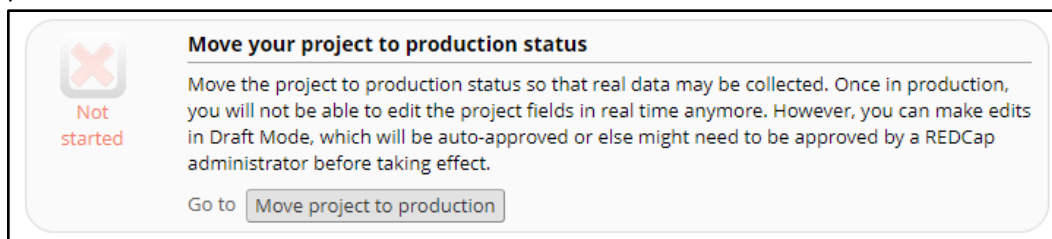
[I'm done!](#)

Test your project thoroughly

It is important to test the essential components of your project before moving it into production. Try creating a few test records and entering some data for each to ensure that your data collection instruments look and behave how you expect, especially branching logic and calculations. Then review your test data by creating reports and exporting your data to view in Excel or a statistical analysis package. If you have surveys, complete the surveys as if you were a participant by using the Public Survey Link or Participant List by sending a survey invitation to yourself. If other project modules will be used regularly, test them out a bit too. The best way to test your project is to use it as if you were entering real production data, and it is always helpful to have colleagues (especially team members) take a look at your project to get a fresh set of eyes looking at it.

3. Move the project to production status.

- a. Go to the “Project Status” page and scroll to the bottom. Click “Move project to production.”



- b. Follow the prompts as applicable.

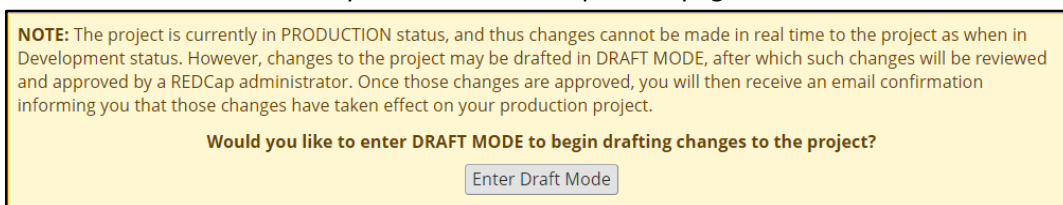
Add Consent Process Documentation

It is best practice to provide relevant details on the consent process as study documentation. This would typically be done by building a separate form within the project. Please refer to the Informed Consent Documentation Tool on the CRRO website [here](#).

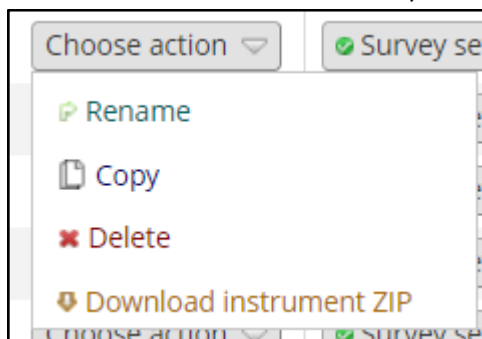
Updating the Project for Updated or Newly Approved ICFs

When there is an updated IRB-approved informed consent form, create a new eConsent survey instrument. Updated or new consents should always be created as new instruments to preserve older consent versions for auditing purposes. **The original consents should never be deleted.**

1. To create a new instrument, enter draft mode. Click “Designer” under the left menu and select “Enter Draft Mode” in the yellow box at the top of the page.



2. Copy the original eConsent instrument by clicking the “Choose Action” dropdown under instrument actions and selecting copy. Once copied, rename the new instrument by clicking “Rename” under the “Choose Action” dropdown.



3. Select and copy and update the suffix appended to variable names with the new version number (e.g., v2_0).

Copy instrument

To copy the instrument "Participant Consent Form v1.0", enter the name of the new instrument below. Also, since all variable/field names must be unique and cannot duplicate, this instrument's variables must be renamed when copied to the new instrument. Please enter a suffix that will be appended to all new variable names.

New instrument name:

Suffix appended to variable names:

Copy instrument

Close

4. In the new instrument, replace the informed consent PDF and optional questions as applicable. Update the survey settings if needed.
5. Once edits are complete and thoroughly tested, go back to the designer and click "Submit Changes for Review" in the yellow box at the top of the page.

Since this project is currently in **PRODUCTION**, changes will not be made in real time. [Tell me more](#)

Submit Changes for Review

Fields to be added: 0 / Total resulting field count: 32
Fields to be deleted: 0 / Existing field count: 32

[Remove all drafted changes](#)
[View detailed summary of all drafted changes](#)

6. Changes may need to be approved by a REDCap administrator and will not always happen immediately.

Turning on Automated Survey Invitations (ASI)

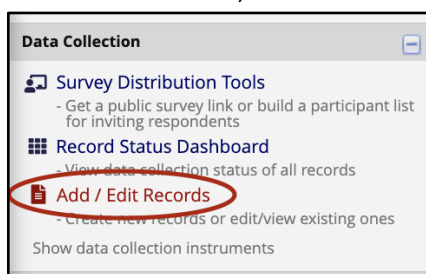
Automated survey invitations allow REDCap to automatically email the participant a link to their individual eConsent form. The six steps below cover how to turn on ASI and the following section called "Sending the eConsent Invitation Email" covers adding a new participant record to trigger the ASI.

1. In Online Designer under "Survey-related options" for the participant consent form, click "Automated invitations".
2. Customize the body of the email and subject line accordingly.
 - a. **Do not delete the [survey-link] and [survey-url] smart variables.**
 - b. Click on "Send test email" to see how the email will appear for the participant.
3. **Check that the following conditions are entered in Step 2.**
 - a. **[email_consent][last-instance] = "1" and [version][last-instance]= "#.#"**
 - i. **For #.# enter the corresponding consent version number for that eConsent survey (Ex. 1.0).**
4. Set up when the invitation gets sent. By default, it is set up as immediate, meaning that as soon as the "Version Tracking" form is complete, REDCap will send out the eConsent invitation. It may take a few minutes for the participant to receive the email.
5. Select "Active" to turn on automated invitations. You may also inactivate ASIs for previous consent versions by selecting "Not Active" (see green survey title box in screenshot below).
6. Click save to complete the changes.

Sending the eConsent invitation Email

REDCap has various survey distribution methods. Please view resources such as REDCap Surveys and consult with rhelp@bu.edu to discuss options.

1. Create a new record to enter the participant's email and eConsent code.
2. From the left menu, under "Data Collection" click on "Add/Edit Record" to create a new record.



3. Navigate to the "Choose an existing Record ID" heading and under the "select record" drop down menu, click on the green "+Add new record" button. This will create and open a new record.

4. Click on the "Participant Information" instrument.
 - a. Enter the participant email and eConsent code.
 - b. Select "Complete" for form status and save the form.

5. Click on the “Version Tracking” instrument.
 - a. Enter “1.0” for version number.
 - b. Select “Yes” for email consent form.
 - c. Select “Complete” for form status and save the form.
6. The Automated Survey Invitation (ASI) will now be sent to the participant.

Re-sending and Troubleshooting Survey Invitations

1. If the eConsent link needs to be sent again:
 - a. Click on “Survey Distribution Tools” under “Data Collection” .
 - b. Select “Compose Survey Invitations”.

Survey Distribution Tools

Public Survey Link Participant List Survey Invitation Log

The Participant List allows you to **send a customized email** to anyone in your list and **track who responds to your survey**. It is also possible to identify an individual's survey answers, if desired, by providing an Identifier for each participant (this feature must first be enabled by clicking the 'Enable' button in the table below). [More details](#)

Survey Response Status: Not Anonymous ?

Participant List belonging to "Participant Consent Form v1.0"

Displaying 1 - 2 of 2 Add participants Compose Survey Invitations Export list

Email	Record	Participant Identifier	Responded?	Invitation Scheduled?	Invitation Sent?	Link	Survey Access Code and QR Code
1) mnegggers@bu.edu	1	Disabled		-		-	-
2) mnegggers@bu.edu	4	Disabled		-		-	-

2. Under “Compose message”, edit the subject line and body of the email as applicable. **Do not delete the [survey-link] and [survey-url] smart variables.**
3. Under “Participant List”, select the record/email that needs the new invite and click “Send Invitations.”

Send a Survey Invitation to Participants

Info
Survey title: Participant Consent Form v1.0

When should the emails be sent?
☒ Immediately
☐ At specified time: M/D/Y H:M
The time must be for the time zone America/New_York, in which the current time is 04/04/2023 16:03.

Enable reminders
☐ Re-send invitation as a reminder if participant has not responded by a specified time?

Compose message
 From: Display name (optional) mnegggers@bu.edu
(select any project user to be the 'Sender')
 To: [All participants selected from Participant List]
 Subject: eConsent Email Example
Send test email

Participant List
(those who have not responded completely)
 Actions: - check/uncheck participants -

Email	Participant Identifier	Scheduled?	Sent?	Responded?
<input checked="" type="checkbox"/> Email (1 selected)				
<input checked="" type="checkbox"/> 2) mnegggers@bu.edu (ID 4)		-		

Please take this survey.
 You may open the survey in your web browser by clicking the link below:
 [survey-link]

Send Invitations Cancel

Accessing a Participant's eConsent Link

Sometimes potential research participants do not receive the survey invitation email even when ASI is set-up to send the email immediately. To send the participant a direct link to the consent form linked to their REDCap record, access their individual survey link from the Participant List table under Survey Distribution Tools. Be sure to check that you are using the correct link.

1. On the left menu, click on "Survey Distribution Tools."
2. Find the participant's record and right click under "Link" to copy the link address. This link is specific to the participant's record and will prompt them to enter their eConsent code when accessed.

Participant List belonging to "Participant Consent Form v1.0"							
Displaying 1 - 3 of 3		Add participants		Compose Survey Invitations		Export list	
Email	Record	Participant Identifier	Responded?	Invitation Scheduled?	Invitation Sent?	Link	Survey Access Code and QR Code
1) mnegggers@bu.edu	4	Disabled		-			

Sending the Participant a Copy of their Signed ICF

REDCap has various survey distribution methods, please view resources such as [REDCap Surveys](#), and consult with rchelp@bu.edu to discuss options. The alerts and notifications function can be used to automatically send the participant a copy of the combined PDF of the consent form.

1. Select "Alerts and Notifications" from the left menu.
 - a. If this option is not available, select "User Rights" to edit user privileges to allow access to alerts and notifications.
2. Select "+ Add New Alert".
3. Edit the alert to include the information shown in the screenshot below.

Create new alert

You may define the settings for your alert in Steps 1-3 below. After clicking the Save button at the bottom, your alert will immediately become active and may be triggered at any time thereafter. If you would like to remove or stop using an alert, it may be deactivated at any time. You may modify an existing alert at any time, even after some notifications have already been sent or scheduled.

Title of this alert:

STEP 1: Triggering the Alert

A) How will this alert be triggered? ☒ When a record is saved on a specific form/survey*
☐ If conditional logic is TRUE when a record is saved on a specific form/survey*
☐ When conditional logic is TRUE during a data import, data entry, or as the result of time-based logic ⓘ

B) Trigger the alert...
when is saved with any form status (excludes data imports)

C) Trigger Limit: Trigger the alert...
(The trigger limit determines where and to what extent within a record that the alert will be triggered.)

* The alert will not be re-triggered if the form/survey is saved again, unless it is set to send Every time in Step 2 below.

4. By default, the alert is set up to be sent immediately once the trigger logic is satisfied, and will only be sent to the participant once. Edit these settings as applicable to the study's needs.

STEP 2: Set the Alert Schedule

When to send the alert?

☒ Send immediately

☐ Send on next at time

☐ Send the alert days hours minutes after

☐ Send at exact date/time:

Send it how many times?

☒ Just once

☐ Every time the form/survey in Step 1B is (excludes data imports)

☐ Multiple times on a recurring basis:

☒ Send every days after initially being sent.

☒ Send up to times total (including the first time sent). Leave blank to continue sending forever.

Alert expiration: (optional)

This alert will be auto-deactivated at the specified date/time above. Note: This will cause any already-scheduled notifications not to be sent after the expiration time.

- Edit the message settings as applicable.
- Click the green “Add Attachments” button.
- Select “[signed_pdf] “Complete and Signed Consent Form””. This will attach the combined PDF to the email notification sent to the participant.

Message Attachments (Max file size: 10MB)

File Upload fields:

You may utilize files attached to records that have been uploaded into File Upload or Signature fields.

-- and/or --

Attachment #1: No file chosen

[+ Add another attachment](#)

- Click “Save”. REDCap will now automatically email the combined PDF to the participant when complete.

Additional Modules

You may use optional modules and applications to customize your REDCap project for defined workflows. External Modules are add-on packages of software that can extend REDCap's current functionality to provide additional customizations and enhancements.

- Auto Record Generation Module allows for a new record to be generated in another project or within the same project. Data fields can be transferred to the new record as well. This may be useful to transfer a participant’s record ID from the eConsent project into the study database. To learn more [click here](#).
- Multi-Language Management (MLM) allows the creation and configuration of multiple display languages for the project which should be used when enrolling non-English speakers. This module will appear on the project’s left-hand dashboard under Applications. The Multi-Signature External Module is NOT compatible with the MLM, hence the External Module will NOT translate the Merged Signed Version. Please provide the participant with a copy of their

individually signed consent in their preferred (translated) language, in addition to the Merged Signed Version. To learn more about this module [here](#) or contact rchelp@bu.edu.

- Multi-Signature Module allows you to combine data from one or more forms into a single PDF. It was designed for use in projects where you have multiple consent forms completed by multiple participants or coordinators and wish to merge them into a single, 'final', consent. You can then use an Alert and Notification to email the final consent to participants.

Additional Resources and Information

OHRP and FDA Resources

- [OHRP and FDA Joint Guidance: Use of Electronic Informed Consent in Clinical Investigations – Questions and Answers, December 2016](#)
- [FDA Regulations: 21 CFR Part 11 Electronic Documents and Signatures](#)
- [FDA Guidance: Part 11, Electronic Records; electronic Signatures – Scope and Application, September 2003](#)

Relevant HRPP Policies

- [8.4.1 Written Consent](#)
- [8.4.2 Waiver of Documentation of Consent](#)
- [8.4.3 Waiver or Alteration of Consent](#)
- [8.5.1 Authorization to Use and Disclose PHI](#)
- [8.5.2.2 Waiver or Alteration of Authorization for Use and Disclosure of PHI](#)

Educational Resources

- [Clinical Research Seminar](#) - December 2020: Remote and eConsent (including REDCap)
- [RPN Workshop](#) - March 2023: eConsent: Benefits, Challenges, and Considerations
- [RPN Workshop](#) - December 2020: Remote and eConsent: Lightning Talks and Group Discussion

Boston Medical Center Guidance (*only accessible with BMC account*)

- [HIPAA Information](#)
- [Record Retention](#)

REDCap and Part 11 Compliance for FDA-Regulated Research

- [BU REDCap Part 11 Request Form](#)
- [REDCap Part 11 Process & Training](#)

General Contact Information

- [Clinical Research Resources Offices](#)
- [Boston University Charles River Campus IRB](#)
- [REDCap Help](#)
 - [REDCap FAQ](#) (only accessible once logged in)
 - [REDCap Training Videos](#) (only accessible once logged in)

Appendix A: Relevant Features - List of Functionality

Instrument – A data collection tool that can be left as a data entry form or enabled as a participant-facing survey.

(Data Entry) Form – An instrument in which data can only be entered or collected by a REDCap user.

Survey – An instrument in which a research participant can enter data or answer questions without a REDCap account. This instrument is accessed through a secure URL.

Record – A record contains all the information for a unique participant. One record may contain many instruments.

Record ID – The record ID is the primary key in REDCap that uniquely identifies a record and its attributable data within a project

Survey Login – A way to increase security on private surveys. This is enabled in the eConsent template project and utilizes the “eConsent Code” from the “Participant Information” instrument.

Online Designer – A way to build and edit instruments through a point-and-click interface.

Data Dictionary – CSV file that holds the architecture of a REDCap project as an alternative to the Online Designer for building or editing projects.

Piping – Allows answers from previous questions to auto-populate or “pipe” into another place in a survey/form.

Action Tags –A method of customizing data entry for individual fields in a survey or form.

eConsent Framework – A survey setting option that allows for a standardized method of obtaining consent and storing consent documentation through generating a PDF of the signed consent form.

Project Template – A pre-built REDCap project.

External Module - External Modules are add-on packages of software that can extend REDCap's current functionality, as well as provide customizations and enhancements for REDCap's existing behavior and appearance. Modules will need to be enabled by a BUMC REDCap administrator.

Alerts & Notifications - Located in the left-hand tool bar under Applications. This is where creation and management of the Alerts & Notifications are done.

User Rights - This function gives the project owner the ability to limit access to various data features for other users, such as editing, exporting, or locking records. This can be done by assigning individual user rights, or by creating “User Roles” that have defined rights, then adding users to a role.

NOTE: BU/BMC PIs or Project Administrators are responsible for assigning AND revoking project level User Rights. Keep your project access (user rights) up-to-date. **Enter and manage data responsibly!**

Logging - Allows users to view logged events. This includes data exports, design changes, record history (creation, updating, and deletion), adding/removing project users, record locking, and page views.

Appendix B: eConsent for Non-Exempt Research Template

Data Collection Instruments		Form options:		Survey options:	
+ Create a new instrument from scratch Import a new instrument from the official REDCap Instrument Library Upload instrument ZIP file from another project/user or external libraries		Form Display Logic		Survey Queue Auto Invitation options Survey Login Survey Notifications	
Instrument name	Fields	View PDF	Enabled as survey	Instrument actions	Survey related options
Participant Information	3		Enable	Choose action	
Version Tracking	2		Enable	Choose action	
Participant Consent Form v1.0	14			Choose action	Survey settings Automated Invitations
Study Personnel Consent Form v1.0	8			Choose action	Survey settings Automated Invitations
Consent Form (participant and study personnel) v1.0	17			Choose action	Survey settings Automated Invitations
Participant Consent Form v2.0	13			Choose action	Survey settings Automated Invitations
Signed Consent Copy	2			Choose action	Survey settings Automated Invitations

Participant Information

Data Collection Instrument (DCI) to collect participant information for login credentials (e.g., email address and password).

- This DCI is completed by study personnel.
- This DCI is **required** if the REDCap Survey Login feature will be used for identity verification and additional security purposes.
 - The eConsent code should be a unique string of characters, created by the study team. This code serves as password and a secondary login credential for secure survey access.

Current instrument: **Participant Information** [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](#) [Import from Field Bank](#)

Variable: email
Participant's email

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

Variable: code
e-Consent Code

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

Version Tracking

Optional DCI to enter the administered eConsent version number.

- This data entry form is used to track consent versions and trigger the Automated Survey Invitations (ASI). Status of DCI must be saved as Complete.
- This instrument is set as a repeating instrument to create an unlimited number of tracked versions ad hoc.

Current instrument: **Version Tracking** [Preview instrument](#)

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

Variable: version
Version number

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

Variable: email_consent
Email consent form ☐ Yes ☐ No [reset](#)

[Add Field](#) [Add Matrix of Fields](#) [Import from Field Bank](#)

Participant Consent Form v1.0

Participant consent form enabled as a survey and the REDCap eConsent Framework survey setting enabled.

- A separate consent form for participant signature is required for remote eConsenting.
 - a. An optional Multi Signature External Module may be used to merge the signed PDFs of both participant and study personnel e-Consent surveys upon completion.
- Versioning each consent form (e.g., v1.0) is necessary for administered consent forms and reconsenting. This allows all any updated consent form to be appropriately tracked throughout the project life cycle.
- The consent form stamped with the IRB approval must be displayed on the REDCap eConsent.
 - a. Upload the approved PDF as an inline image to a descriptive text field, or
 - b. Upload as single-page images (one descriptive text field per consent page) and displayed as an 'Inline image'.
- This eConsent form must be administered as a survey in order for the eConsent Framework to be applied.
- You should create a new instrument for an updated consent form and apply the appropriate eConsent settings.
 - a. You will need to update the Multi Signature External Module settings as well.
 - b. Update the Alerts & Notifications (if applicable) with the new instrument name (i.e., select the updated instrument in the 'Trigger the alert...' drop down).
 - c. Update ASIs if applicable.

Study Personnel Consent Form v1.0

Study personnel section of an eConsent form.

- When a study personnel signature is required on a remote eConsent form, the study personnel section must be separated as its own survey, to collect the required study personnel signature.
- Versioning each consent form (e.g., v1.0) is necessary for administered consent forms and reconsenting. This allows all any updated consent form to be appropriately tracked throughout the project life cycle.
- This eConsent form must be administered as a survey in order for the eConsent Framework to be applied.
- You should create a new instrument for an updated study personnel section of the consent form and apply the appropriate eConsent settings.
 - a. You will need to update the Multi Signature External Module settings as well.
 - b. Update the Alerts & Notifications (if applicable) with the new instrument name (i.e., select the updated instrument in the 'Trigger the alert...' drop down).
 - c. Update ASIs if applicable.

Consent Form (participant and study personnel) v1.0

Consent form for both participant and study personnel when administering and signing the eConsent in the same location.

- If the consenting process will happen in person, a version of the consent form with both the participant and study personnel signature may be administered.

- Versioning each consent form (e.g., v1.0) is necessary for administered consent forms and reconsenting. This allows all any updated consent form to be appropriately tracked throughout the project life cycle.
- This eConsent form must be administered as a survey in order for the eConsent Framework to be applied.
- You should create a new instrument for an updated consent form and apply the appropriate eConsent settings.
- Update the Alerts & Notifications (if applicable) with the new instrument name (i.e., select the updated instrument in the 'Trigger the alert...' drop down).

Participant Consent Form v2.0

Sample of a new consent form version.

- Apply [Participant Consent Form v1.0 steps](#) from above, as applicable.

Signed Consent Copy

Generated PDF of combined remote eConsent surveys.

- The Multi Signature Consent External Module is utilized to combine remote eConsent surveys administered for both participant and study personnel signatures, separately. The module merges the two separate (remote) PDFs, producing a final eConsent PDF. See [External modules](#) below.
- The File Upload field is required as a placeholder to store the final remote eConsent PDF file upon merge completion.
- This form must be administered as a survey for the Multi Signature Consent External Module settings to be applied.
- A copy of this completed, merged eConsent PDF or a link to the 'Signed Consent Copy' survey may be distributed to the participant via the Alerts & Notifications, Survey settings, or manually.

Current instrument: **Signed Consent Copy**

Preview instrument

Add Field

Add Matrix of Fields

Import from Field Bank

Variable: merge_info

Completed e-Consent PDF (combined PDFs for two e-Consent COMPLETED surveys)

Add Field

Add Matrix of Fields

Import from Field Bank

Variable: signed_pdf

Complete and Signed Consent Form

Add Field

Add Matrix of Fields

Import from Field Bank

Upload file