REDCap
Mobile App (301)
February 23, 2018

REDCap
Research Electronic Data Capture

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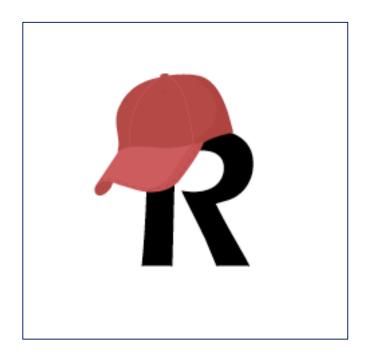Accelerating Research. Improving Health.

Learning objectives

- Uses

- Setup

- Management

- Syncing

- Best Practices

ITHS' Focus

- Speeding science to clinical practice for the benefit of patients and communities.

- Promotes translation of scientific discovery by:

  - ❑ Fostering innovative research
  - ❑ Cultivating multi-disciplinary partnerships
  - ❑ Training the next generation of researchers

- More information: www.iths.org

Laboratory → Clinic → Community

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Why was the REDCap Mobile App developed?
As an offline data collection tool for a study team

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Mobile App setup

Setup your project

- *Longitudinal or classic*
- *Be careful with internet dependent features*

Request or generate an API token

- *Make sure you have the appropriate user rights*
- *Takes 1 business day (Request) or is instantanous (Generate)*
- *API token can be reused*

Load the project into the app

- *Download the app onto a mobile device*
- *Setup an admin user*
- *Give camera permissions to the app*
- *Make sure the tablet is connected to the web*
- *Scan the QR code in the Mobile App menu*

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Mobile App Online Management

Dashboard

- *Disable connected devices*
- *Assign "nick names"*
- *Overview of upload and downloads*

All App Activity

- *Overview of all the activity of all the connected devices*

Data dumps

- *Repository of emergency data dumps*
- *Upload the data dump direct*
- *Download CSV*
  - *In case of a manual merge*

App Logs

- *Repository of device specific log files*

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Running a Mobile App

Refresh your data model

- *Get the latest version of the project*
- *Optional download of existing records*
- *Needed for succesful sync later*

Data collection

- *Navigation takes a bit getting used to*
- *No real search function*
- *Collect data and save*

Syncing your data

- *Data models between app and web have to match*
- *Requires a stable internet connection*
    - *Can take a while when uploading files*
- *Do an emergency data dump in case of failure*

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Mobile App – Best Practices

- *Keep instruments small*
    - *Under 500 variables*
- *Use the same devices if possible*
    - *Makes for easier troubleshooting*
- *Recommended tablets:*
    - *iPads*
    - *Samsung tablets*
    - *Google nexus*
- *To be avoided tablets:*
    - *Kindle Fire*
    - *Older tablets with limited resources*
- *Establish a sync schedule and a "refresh" schedule*
    - *To prevent manual merge*
- *Be prepared for troubleshooting*
- *Disable/uncouple unused tablets to prevent change management delays*

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Thank You

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