REDCap – Research Electronic Data Capture

Some things it can do

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What is REDCap?

- Data management tool for Research/QI
- Web interface, CTSI hosted
- [https://redcap.urmc.rochester.edu/redcap/index.php](https://redcap.urmc.rochester.edu/redcap/index.php)
- Use your URMC login
- REDCap ‘Projects’ allow systematic acquisition and storage of data
- Access Controls
  - Simple customization of access to identifiers/data
Basic Capabilities

• Data entry
  – Surveys <- subjects enter their own data
  – Manual entry/double entry by study staff

• Data flow
  – Single or multiple forms (survey +
  – Experimental arms (forms depend on arm)
  – Longitudinal data (repeated forms)

• Data security
  – Audit trail
  – Controlled access and modification privileges
  – Automatic back-up
Example: First Contact Database

• Bennetto lab
• [http://www.urmc.rochester.edu/labs/Bennetto-Lab/](http://www.urmc.rochester.edu/labs/Bennetto-Lab/)

• Example includes:
  – IRB approved recruitment language
  – Contact info/required fields
  – Branching and ‘Piping’
    • updating forms on the fly based on responses
  – IRB approved authorization of data usage language
Example: Subject tracking

• Taste Smell Feeding Behavior Participant Management
  • Custom Reports
Example: Longitudinal study

• Voice and Swallow Outcomes in Head and Neck Cancer Patients Treated with Primary Chemo-Radiation
  

• Subject 21 for demo
Subject interaction

• eMailing survey links
  – E.g. from an existing participant list
  – Follow-up reminders
  – Secondary surveys after first one submitted
  – Optional to have identifiers attached to survey responses (i.e. email address)
Data nerd things

• Download PDF of blank surveys/forms
• Data dictionary/Code book
• Data Upload/Download from/to Excel etc
• REDCap – i2b2 integration
  – Suck data out of EPIC into REDCap
Pre-existing Instruments

- https://redcap.vanderbilt.edu/consortium/library/search.php
Questions?

What do you want REDCap to do for you?