What is REDCap

- Acronym for Research Electronic Data CAPture
- Originated from the Vanderbilt Institute for Clinical and Translational Research
- Secure, web-based data collection system
- Data are stored securely, on OSU premises
- Access rights granted on per-individual basis, can be configured to allow identified or de-identified data set
- Built-in audit trail of what was done and when (valuable for IRB, DSMB, etc.)
Who uses REDCap?

- Over 3,400 Institutions, including all universities in the
- 130+ Countries
- 700,000+ Projects
- 960,000+ Individual Users
- 7000+ Articles citing REDCap

Source: https://www.project-redcap.org/
Current as of 05/14/2019
Why use REDCap?

- Web-based
  - All data are collected in one location accessible to investigators, CRCs, and biostatisticians
  - Available anywhere on campus (or off-campus with VPN)
  - For sites without internet access, collection forms and surveys can be deployed on tablets (REDCap Mobile)
Why use REDCap?

- Designed for research data capture
  - Seamlessly integrates data collected by study staff and those reported by the patient
  - Facilitates longitudinal data collection via follow up visits or emailed surveys
  - Includes features such as validation, branching logic, and commenting at the field level
  - Supports randomization of participants using pre-defined allocation tables
Why use REDCap?

- Data are secure
  - PHI/PII behind the enterprise firewall
  - Access rights granted on a per individual basis and configured to allow identified vs. de-identified access to a data set
  - Comprehensive logging and audit trail (records who accessed, changed or exported the data)
  - Tracks before and after values when data are input, changed or deleted
  - Past data dictionaries are stored to track changes to data collection forms