Data Security - REDCap

REDCap is a software tool developed at Vanderbilt University and made available through the Clinical and Translational Science Awards network (CTSAs). Now used at over 240 academic/non-profit consortium partners on six continents and over 26,000 research end-users (www.project-redcap.org).

The Boston University Clinical and Translational Sciences Institute (CTSI) manages access to the REDCap application, while Boston University Medical Campus IT manages the servers and conducts system maintenance.

Boston University's installation of REDCap is HIPAA compliant:

- Access Control
    o Access requires two factor authentication and quarterly password changes
    o Servers are behind firewalls and not publicly accessible

- Access Management
    o Only authorized server admins can access the servers
    o Only authorized research study members can access study data

- Backup
    o Daily snapshots are stored for 30 days

- Encryption
    o Data is encrypted at rest, and in transit using transport layer security (TLS)

- Physical Security
    o Servers are located in a secure data center
        ▪ Two factor authentication
        ▪ Alarm system
        ▪ Video surveillance

- Vulnerability Management
    o Server is patched monthly