

Research Data Collection and Storage (RDCS) Service

ROLE OF OFFICE

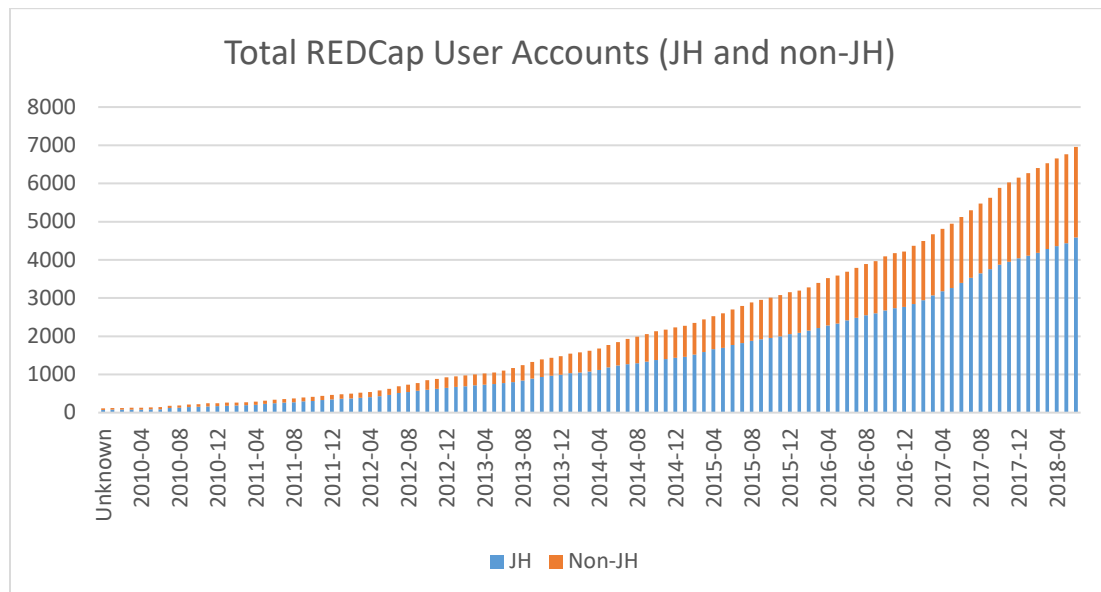
The Research Data Collection and Storage (RDCS) service (<https://ictr.johnshopkins.edu/rdcs>) assists researchers with secure solutions for data collection outside of Epic. The most commonly provided service is REDCap (https://ictr.johnshopkins.edu/programs_resources/programs-resources/informatics/redcap/) RDCS can also assist investigators with other services including:

1. Setting up and maintaining secure SQL Server databases which comply with Data Trust guidelines for clinical research registries.
2. Migration of existing MS Access or Excel databases to more secure solutions.
3. Secure non-REDCap questionnaire solutions, such as Qualtrics.
4. Advice on database construction, design, and remote access.
5. Specialized interfaces to collect data from research instruments.

PERFORMANCE IN THE PAST YEAR

Between July 2017 – June 2018, RDCS created 312 new REDCap projects, with 82% of those databases at the free Bronze level.

As of June 2018, there were 6,961 REDCap users, up from 3,691 users the prior year. Multi-site research continues to grow the number of non-Johns Hopkins users. While these users are restricted to seeing data collected for their own institution, because they are not provisioned with a JHED id there is an increased security risk which we intend to address in the coming year.



CHANGES IN THE PAST YEAR

During the past year we improved our new free “Bronze” REDCap service along with advanced services at the Silver and Gold levels http://redcap.jhu.edu/NewREDCapModel_20170104a.htm. Improvements included free monthly drop in clinics, more online training videos, and new tools for rapid provisioning of new REDCap databases.

To extend the power of REDCap, we have begun investigating how we could integrate REDCap with other systems. We did a proof of concept project with Dr. Alex Baras to demonstrate the ability to connect REDCap to his database of pathology specimens. We then built on that technology by working with the IT@JH Clinical Systems Development Group to demonstrate the ability to integrate REDCap with Epic.

NEW DEVELOPMENTS FOR THE UPCOMING YEAR

RDCS is building a new REDCap-based tool that interfaces with Epic in order to simplify the workflow for data abstraction of text notes. We anticipate introducing this tool in early 2019. There may be a nominal monthly charge to use the new tool.

The recently released Data Trust guidance and technical requirements for registries will require enhancements to RDCS services.

http://hpo.johnshopkins.edu/enterprise/policies/268/34187/policy_34187.pdf?_af=0.8313955673 We are working with Johns Hopkins School of Public Health REDCap group to strengthen security controls so that REDCap complies with the new Data Trust guidance. We are also setting up a compliant SQL Server database farm where we can not only build new databases but to which we can migrate existing databases using non-preferred technologies such as MS Access and Excel.

RDCS will be improving our outreach to faculty through improvements to our ICTR website, including providing text for researchers to use in grants, posting short descriptive videos of tools and services, and publishing informational sheets with example projects and their associated time and cost. We will also be implementing a new customer satisfaction survey to help us identify areas in which we can improve our services.

In August 2018 RDCS will be visiting Vanderbilt University, the creators of REDCap, to discuss opportunities for future collaboration, especially in the area of REDCap-Epic integration and tools.

INCORPORATION OF SERVICES INTO GRANT APPLICATION

RDCS encourages researchers to contact us at least a few weeks ahead of grant submission so that we may provide you with detailed information and estimates for any services. The ICTR provides two complimentary hours of service per faculty to underwrite this activity.

BEST WAY TO WORK WITH PROGRAM

To learn more about RDCS and how to request a consultation, please visit our webpage on the ICTR website:

<https://ictr.johnshopkins.edu/rdcs>