Vision

TRAIL (Translational Research and Information Lab) is an initiative between the Health Sciences Library (HSL), the Institute of Translational Health Sciences (ITHS), UW Medicine Research Information Technology (RIT), and the Pacific Northwest Region of the National Network of National Libraries of Medicine (PNR) to triage and provide consultations on research data management tools and data visualization.

Mission Statement

A collaboration accelerating healthcare research through tools, team science, and applications.

Scope Y1

This initiative has three main purposes:

- Provide an idea incubator space for investigators using data and technology.
- Provide access to tools and information to facilitate learning, discovery and innovation.
- Promote workshops and conferences to foster multidisciplinary team science.

Guiding Principles

- **Collaboration:** All partners provide resources together.
- **Quality:** TRAIL strives to improve investigators' access to innovation space, research tools and technology to increase productivity.
- **Assessment:** Growth of TRAIL is dependent on assessment, innovation, and evidence of use.
- **Diversity:** TRAIL is an inclusive environment.
- **Education:** Provide education and training to investigators.
- **Access:** Expand access to research tools to increase investigator productivity.

TRAIL ACCOMPLISHMENTS
August 2016 - June 2017

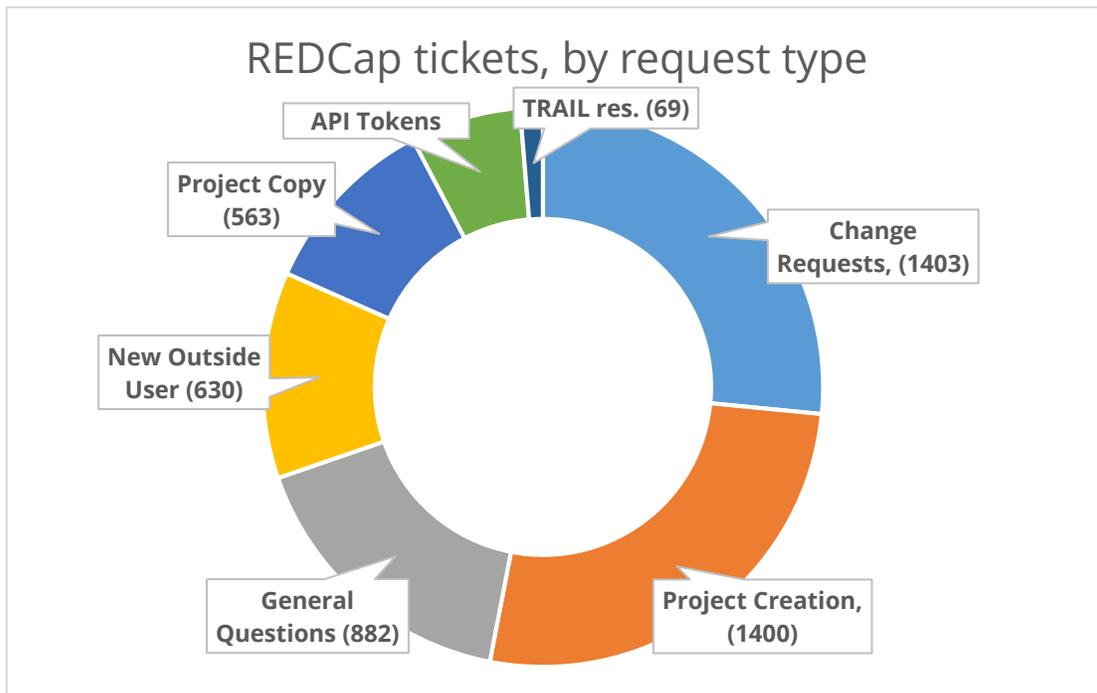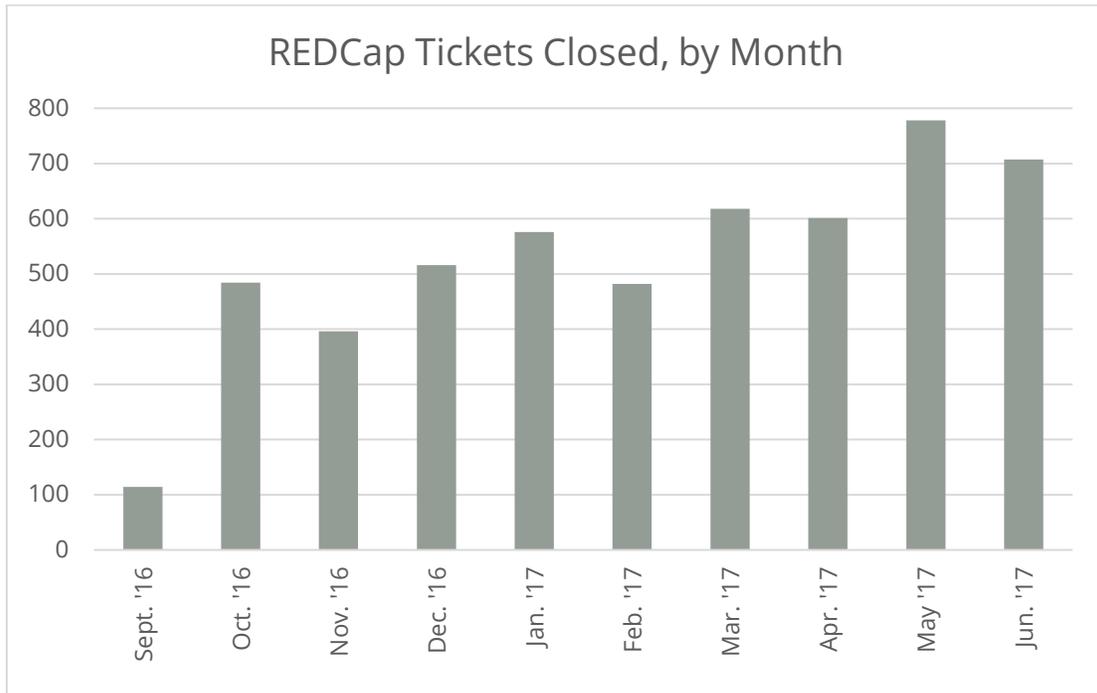| Activity	Date	Notes
Hired assistant director of clinical research and data services at the Health Sciences Library	08/16/2016	Emily Patridge, MLS, AHIP assumed position.
Established biweekly TRAIL meetings with the UW TRAIL community	08/30/2016	Starting June 6, 2017 biweekly meetings moved to monthly meetings and second meeting time is focused for REDCap, Marketing and Technology.
Launched of TRAIL: Ribbon Cutting Ceremony	11/07/2016	To see the Ribbon Cutting Ceremony: http://hsl.uw.edu/trail/media/
Launched of TRAIL: Open House	12/06/2016	Opened the TRAIL Idea Incubator Space to the UW Community.
Launched of TRAIL: Signage	10/01/2016-02/02/2017	Posted signage on a bulletin board directing potential users to TRAIL, installed a TRAIL window sign, and placed each partner's logo on a wall mounted picture.
Built out the TRAIL Idea Incubator Space	10/30/2016	TRAIL leadership decided in the Fall of 2016 not to charge UW affiliated groups for use of the TRAIL space, until further notice.
Established an infrastructure of communication		TRAIL executive leadership: • Tania Bardyn, Associate Dean of the Health Sciences Library • Carlos De La Pena, Executive Director of ITHS • Sean Mooney, Chief Research Information Officer

REDCap lead created content for REDCap classes and is continuing to teach two classes in the HSL each month	08/01/2016-present	
Assessed feasibility of offering Tableau consults/classes		After investigation in current campus culture, Tableau requests are being referred to Maggie Faber
Expanded on the initial REDCap support and trained seven librarians to be REDCap support and to teach the beginner's class	02/15/2017-present	Andrea Ball, France Chu, Stephen Gabrielson, Ann Glusker, Ann Madhavan, Emily Patridge, Sally Pine, Deric Ruhl Current REDCap Ticketing Schedule: • Monday – Andrea Ball • Tuesday – Stephen Gabrielson • Wednesday – Deric Ruhl • Thursday – Ann Madhavan • Friday – Ann Glusker
Developed and implemented a TRAIL ticketing system	11/01/2016	osTicket, the REDCap ticketing system, expanded to include the room reservation system.
Developed and implemented the TRAIL Metrics Plan	02/01/2017-present	Metrics plan responsibilities: • Stephen Gabrielson: TRAIL • Jane Koh: space • Deric Ruhl: REDCap
Presented TRAIL poster at the ITHS Expo	05/15/2017	Emily Patridge, Ann Glusker and Stephen Gabrielson presented.

Presented on TRAIL at various conference		Bardyn, T. P., Gleason, A. W. & Patridge, E. F. (2016) *Translational Research and Information Lab (TRAIL): Paving the way to better coordinated population health and improved understanding of research data management at one academic health sciences campus.* Paper presented at the Pacific Northwest Chapter of the Medical Library Association Annual Conference, Portland, OR. 17 October 2016. Mooney S., Bardyn TP., Patridge EF, Ruhl D. (2017) *Information Resources/Translational Research/Library convergence: The newly emerging collaboration lab model called the Translational Research and Information Lab (TRAIL).* Invited paper presented at Association of Academic Medical Colleges (AAMC) 2017 Group on Business Affairs/Group on Institutional Planning (GBA/GIP) / Group on Information Resources (GIR) Joint Spring Meeting. Atlanta, GA. 10 May 2017. https://tinyurl.com/yaq4f6jf Patridge, E. and Bardyn, T. (2017) *Librarians as Innovative Collaborators: Doing What it Takes to Form New Partnerships.* Paper presented at Medical Libraries Association Meeting. Seattle, WA. 29 May 2017. https://www.eventscribe.com/2017/MLA/agenda.asp?day=5/29/2017&theday=Monday&h=Monday

Quick Facts

As of June 9, 2017 the TRAIL space reservation form has been filled out by 69 individuals for a variety of reasons – VR/AR demos, TRAIL orientations, multi-disciplinary collaborations, and 360 videos.

As of June 9, 2017 there are 5,791 projects in REDCap and 5,699 active users.

REDCap Tickets Closed, by Month

Month	Tickets Closed
Sept. '16	~115
Oct. '16	~483
Nov. '16	~395
Dec. '16	~515
Jan. '17	~575
Feb. '17	~482
Mar. '17	~617
Apr. '17	~602
May '17	~778
Jun. '17	~708

REDCap tickets, by request type

- TRAIL res. (69)
- API Tokens
- Project Copy (563)
- New Outside User (630)
- General Questions (882)
- Project Creation, (1400)
- Change Requests, (1403)

YR 2 Recommendations

Recommendation 1: Create a Virtual Reality component for Year 2. The HSL submitted an IMLS grant proposal to build a virtual reality studio and to create a primer for other health sciences libraries to use to create their own studio. Stephen Gabrielson is working with the School of Dentistry to create a Virtual Reality User Group that will meet quarterly and showcase vendors that have VR/AR equipment. This user group is projected to start Fall 2017.

Recommendation 2: Finalize the PNR goals for year 2. These include the work PNR is collaborating, which includes REDCap support and attending events to promote TRAIL

Recommendation 3: Determine if Team Science needs to continue as one of the TRAIL scopes.

Recommendation 4: Add to the Population Health section, review of Live Stories. The HSL is hiring a population health intern Summer 2017 and one of the first projects the intern will be working on is a review of Live Stories, creating content to be taught in classes and consults and determining if it is a product that TRAIL should include as one of the tools.

Recommendation 5: Hire a GASP librarian to lead a TRAIL marketing plan in partnership with ITHS.

DISCOVER
YOUR POINT OF
CONNECTION

TRAIL
TRANSLATIONAL RESEARCH AND INFORMATION LAB
accelerating innovation in health care

VISION STATEMENT: TRAIL (Translational Research and Information Lab) is an initiative between the Health Sciences Library (HSL), the Institute of Translational Health Sciences (ITHS), UW Medicine Research Information Technology (RIT), and the Pacific Northwest Region of the National Network of Libraries of Medicine, Pacific Northwest Region (NNLM PNR) to triage and provide consultations on research data management tools and data visualization.

MISSION STATEMENT: A collaboration between five partners accelerating healthcare research through tools, team science and applications.

GOALS & OBJECTIVES

TRAIL TRANSLATIONAL RESEARCH AND INFORMATION LAB
accelerating innovation in health care

Year 2 Goals July 1, 2017-June 30, 2018

#1 Develop a virtual reality studio with programs and services for clinicians.

- Host a retreat to design a virtual reality studio for clinical use in the TRAIL space.
- Plan appropriate staffing and training for existing HSL staff to support the studio.
- Write and openly disseminate a "how to" primer to other medical and health sciences libraries interested in implementing virtual reality.

#2 Advance the Population Health Initiative.

- Recruit, train and mentor a Population Health intern who will work with the Care Management and Population Health Librarian to evaluate LiveStories.
- Design a Population Health LibGuide, an online information portal.
- Develop an online module about population health, delivered via the HSL website.
- Identify and connect with UW faculty, researchers, and administrators working on population health initiatives.

#3 Redesign the TRAIL website for improved usability by health sciences researchers.

- Design a mobile-friendly, service-focused TRAIL website.
- Identify TRAIL members best positioned to provide specific services.
- Launch the newly designed website by January 2018.

#4 Provide excellence and set up a high standard of support.

- Implement processes for funneling specific queries and requests to expertise among the partners.
- Support continued staff training and development based on evolving and emerging trends and technologies.
- Teach monthly Beginner REDCap and Advanced REDCap classes.

#5 Introduce initiatives to support the continued success of TRAIL members.

- Organize, lead, and motivate a team of librarians, business analysts, and IT professionals to meet the clinical research needs of the UW community.
- Review and assess performance in context of library priorities.
- Create process improvement plans using LEAN methods.
- Mentor librarians and IT professionals in developing skill sets and establishing career paths in clinical research data management.

#6 Develop and teach an online data management course for health sciences researchers.

- Develop and teach an eight-hour course.
- Assess and adjust the course based on teacher and attendee feedback.
- Teach the eight-hour course over four days in Spring 2018.

PARTNERS:

NIH U.S. National Library of Medicine — National Network of Libraries of Medicine Pacific Northwest Region

UW Medicine INFORMATION TECHNOLOGY SERVICES

W HEALTH SCIENCES LIBRARY UNIVERSITY of WASHINGTON University Libraries

ITHS Institute of Translational Health Sciences — Accelerating Research. Improving Health.

UW Medicine UW SCHOOL OF MEDICINE BIOMEDICAL INFORMATICS AND MEDICAL EDUCATION

CONTACTS:

Emily Patridge, ep001@uw.edu   **Bas de Veer,** bdeveer@uw.edu TRAIL
Co-Managers