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# Expanding Research Data Management Education for Health Science Librarians and for Affiliates at the University of Minnesota Duluth

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University of Minnesota

Health Sciences Library

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## **Our Project**

- Research Data Award (\$18,000)
- Research data management training
- Librarians and researchers at the University of Minnesota Duluth

# **University of Minnesota System**

- Five campuses across the state
- Twin Cities is the flagship campus
- Comprehensive health science programs including medicine, nursing, pharmacy, dentistry, public health, veterinary medicine, allied health, basic biosciences, mortuary science

# **University of Minnesota Duluth**

- Duluth is 155 miles from the Twin Cities
- UMD is a regional medical campus
- Y1 & Y2 at UMD
- Focus on rural and Native American Health
- Pharmacy program
- Both the Medical School & Pharmacy are TC affiliates

# Why RDM Education at UMD?

- University Libraries & partners have offered a popular summer 'Data Management Boot Camp' for grad students but UMD campus didn't have this opportunity
- UMD Library staff didn't have capacity to add RDM classes/workshops

# Why RDM Education for Librarians?

- Our lit review found that librarians still lacked RDM skills (Creamer, 2012)
- Libraries were building skills and capacity but service development was still a concern (Cox, 2017)
- GMR has AIMS to “increase the number of network librarians skilled in supporting health researchers with data management throughout the data lifecycle”

# GMR Grant RDM Super Team!

- Erinn Aspinall
- Caitlin Bakker
- Sarah Jane Brown
- Katherine Chew
- Shanda Hunt
- Lisa McGuire
- Frank Sayre

# Expand KSAs for Librarians

## *Activities*

- *Data Management for Librarians*, CE course designed and taught by Caitlin Bakker
  - \$1,000 stipends for 12 librarians to attend the course in Minneapolis in August 2018
  - Trained 21 librarians with goal of helping librarians develop RDM services
- Caitlin developed and facilitated a monthly, online *Data Management Community of Practice*
  - Allowed librarians to take a deeper dive on a wide variety of topics via readings and guided discussion questions
  - CoP ran for Sept 2018 - May 2019



# Expand KSAs for UMD Affiliates

## *Activities*

- We adapted content from the Graduate Student Data Management Boot Camps for our affiliates (Medicine, Pharmacy, Integrated Biosciences) at UMD
- Delivered a half-day workshop for 32 participants across seven colleges/schools

- We also offered consultations to campus affiliates on their specific research data management topics
- We did 4 consultations the morning after the workshop

# Developing Our Expertise

- HSL has ‘functional specialists’ in research data management, research impacts, data curation, human subjects data (Caitlin & Shanda)
- The rest of us (me, Sarah Jane, Katherine and Frank) had to do some learning and consulting to get up to speed

# Communications Strategy

## Building the Press Kit for the UMD Workshop

- Email for liaisons
- Printed flyer for campus mailboxes
- Website
- Digital signage
- UMD events calendar
- Social media
- Communications contacts at UMD
- Catalyst

# Evaluation Results

## Librarian CE

Most participants either 'strongly agreed' or 'somewhat agreed' to five survey questions about knowledge gained about RDM lifecycle, identifying opportunities to integrate data services into existing roles, apply best practices to DMPs, suggest areas of improvement

## DM CoP

Most participants found sessions either 'very useful' or 'somewhat useful' when rating seven CoP sessions on topics ranging from DMPs, data tools, data reference interviews, HIPAA/IP, data management education, data visualization, marketing data services

# More Evaluation Results

## UMD Data Management Workshop

Most participants either 'strongly agreed' or 'somewhat agreed' with ability to define a research project, identifying break-down places, identifying concrete steps/actions, legal/IP issues, data retention, SRs/journals

# Tweet Love!



**Brenna Greenfield PhD LP**

@\_B\_Greenfield



Thanks [@umnlib](#) for visiting UMD today in the winter slush to talk about research mgt best practices! Your team is making science at the U more rigorous and reproducible - both good things.

3:46 PM · Jan 7, 2019 · [Twitter for iPhone](#)

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**3** Retweets   **10** Likes

# Recent CoP Feedback

- One participant engaged in a conversation with their Office of Research Services to market their data management skills to faculty and students

# Lessons Learned

- Over-estimated travel costs at time of submission, could have easily offered more CE stipends
- Structured lessons and presentations were more effective than discussion-focused sessions in the CoP
- UMD campus would very much welcome more research data management events



# Questions?

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