UPDATES FROM NNLM PNR

Cathy Burroughs, MLIS, Associate Director
Carolyn Martin, MLS, AHIP, Consumer Health Coordinator
Emily Hamstra, MSLIS, Outreach Coordinator
Nancy Shin, MLIS, Interim Research & Data Coordinator

October 29, 2019
Pacific Northwest Chapter/Medical Library Association
Boise, Idaho
What We’ll Cover

• Staff News
• Introduction to the NNLM
• Update on NNLM Initiatives
• NLM Resource Updates
  • MedlinePlus
  • NLM Exhibitions Connect
  • NNLM Delivery
  • New PubMed
• NNLM PNR Research and Data Update
NNLM PNR Staff

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NNLM Mission Statement

To advance the progress of medicine and improve the public health by:

• Providing all U.S. health professionals with equal access to biomedical information.

• Improving the public's access to information to enable them to make informed decisions about their health.

https://nnlm.gov/pnr/about/mission
Pacific Northwest Region of the NNLM
National Network of Libraries of Medicine

https://nnlm.gov

Regional Medical Libraries (RMLs)

<table>
<thead>
<tr>
<th>Region</th>
<th>Institution</th>
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<tbody>
<tr>
<td>Greater Midwest Region (GMR)</td>
<td>University of Iowa</td>
</tr>
<tr>
<td>Middle Atlantic Region (MAR)</td>
<td>University of Pittsburgh</td>
</tr>
<tr>
<td>MidContinental Region (MCR)</td>
<td>University of Utah</td>
</tr>
<tr>
<td>New England Region (NER)</td>
<td>University of Massachusetts</td>
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<tr>
<td>Pacific Northwest Region (PNR)</td>
<td>University of Washington</td>
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<tr>
<td>Pacific Southwest Region (PSR)</td>
<td>University of California Los Angeles</td>
</tr>
<tr>
<td>South Central Region (SCR)</td>
<td>University of North Texas</td>
</tr>
<tr>
<td>Southeastern/Atlantic Region (SEA)</td>
<td>University of Maryland</td>
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</table>

National Offices (Institution)

<table>
<thead>
<tr>
<th>Office</th>
<th>Institution</th>
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<tbody>
<tr>
<td>DOCLINE Coordination</td>
<td>UMD</td>
</tr>
<tr>
<td>Evaluation</td>
<td>UW</td>
</tr>
<tr>
<td>Public Health Coordination</td>
<td>UMass</td>
</tr>
<tr>
<td>Training</td>
<td>Utah</td>
</tr>
<tr>
<td>Web Services</td>
<td>Pitt</td>
</tr>
</tbody>
</table>
NNLM Audiences

We serve a broad audience based on a foundation of health information experts meeting the needs of the health and research community, and the general public.

- Medical, Academic and Public Librarians
- Health Professionals and Researchers
- Underserved populations, community members, patients and the general public
Accelerating Discovery & Data-Powered Health

Accelerate discovery & advance health through data-driven research

Reach more people in more ways through enhanced dissemination & engagement

Build a workforce for data-driven research & health
NNLM Initiatives

• NNLM & NIH *All of Us* Partnership: https://nnlm.gov/allofus / https://allofustec.nnlm.gov/

• Diversity, Equity, and Inclusion webinar series: 9 conversations webinars | more info

• Data Science: https://nnlm.gov/data
NNLM All of Us Community Engagement Network

U.S. National Library of Medicine
National Network of Libraries of Medicine

All of Us RESEARCH PROGRAM
nnlm.gov/all-of-us
NNLM All of Us Community Engagement Network Program Goals

Help libraries in supporting the health information needs of their users by providing

1. Training
2. Funding
3. Connections
# All of Us Projects Awarded Since May 2019

<table>
<thead>
<tr>
<th>PROJECT</th>
<th>AWARDED TO</th>
<th>CITY</th>
<th>STATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Be Well Nampa</td>
<td>Nampa Public Library</td>
<td>Nampa</td>
<td>ID</td>
</tr>
<tr>
<td>Meridian Moves</td>
<td>Meridian Library District</td>
<td>Meridian</td>
<td>ID</td>
</tr>
<tr>
<td>Popup Library Wellness Edition</td>
<td>Community Library Network</td>
<td>Post Falls</td>
<td>ID</td>
</tr>
<tr>
<td>Healthy Pathways</td>
<td>Multnomah County Library</td>
<td>Portland</td>
<td>OR</td>
</tr>
<tr>
<td>Fit &amp; Lit: Health Literacy for Teens and Librarians</td>
<td>Spokane County Library District</td>
<td>Spokane</td>
<td>WA</td>
</tr>
<tr>
<td>Access Health at East Adams</td>
<td>East Adams Library District</td>
<td>Ritzville</td>
<td>WA</td>
</tr>
</tbody>
</table>
Get involved with NNLM All of Us

10 Easy Ways to Partner with NNLM All of Us

1. Sign up for the NNLM All of Us CEN newsletter for the latest updates on All of Us and upcoming engagement opportunities. Sign up at: https://nnlm.gov/all-of-us

2. Circulate information on All of Us to your staff and/or include it on a staff in-service or meeting agenda so everyone is aware of the program and knows where they can find more information: joinallofus.org/mlm

3. Make All of Us brochures available in your library, including at your library’s outreach events. To place your free order for materials, visit: https://nnlm.gov/all-of-us/order


5. Apply for NNLM PNR funding to partner with a public library on a project that advances health literacy, responds to a community health need or supports a citizen science project and also provides awareness of the All of Us Research Program: https://nnlm.gov/pnr/funding

6. Host the Journey – the All of Us mobile education and enrollment center when it comes to your community. Or table library resources at the Journey’s location when it is in your community: https://www.jonallofus.org/en/journey

7. Provide resources and/or programming on genetics and health and on precision medicine and the impacts of lifestyle, biology and the environment on health.

8. Celebrate National Health Observances by downloading and using the resources from the NNLM Community Engagement Network: https://nnlm.gov/all-of-us/national-health-observances


10. In partnership with your local public library, support digital literacy by integrating All of Us topics of interest (e.g., health literacy, environmental health, family health histories) into basic, intermediate and advanced computer and internet searching classes.
Diversity, Equity, and Inclusion: Nine Conversations that Matter to Health Sciences Librarians with Jessica Pettitt. M.Ed, CSP

Next Conversation:
• “Working Across Difference: Making Better Connections”
• November 13th
• 9:00am-10:00am Pacific Time
• Register at https://nnlm.gov/node/13129/register

Participant Feedback
“Jess is leading the conversations everyone needs to participate in. Thank you!”

“I think anyone interacting with another person who might have different life experiences should embrace the opportunity to hear Jessica speak on this topic.”
Building a Data-Ready Workforce (RDM)

Train the Trainer

RDM 101

RDM 102

RDM 101 Participants

Cohort 1

Cohort 2

MAR

SEA

OMR

MCB

SCR

PNR

PSR

NIR

NLH
NNLM RD3: Resources for Data-Driven Discovery
https://nnlm.gov/data/regional-programs

Region and data specific...

- Events, programs, and webinars
- Resources
- Funding
- LibGuides
- Special projects
- Partnerships
NNLM Research & Data Engagement Awards

Expand and promote access to BioData Club events and materials

Support findable, accessible, interoperable, and reusable health sciences research data.

<table>
<thead>
<tr>
<th>TITLE OF PROJECT</th>
<th>AWARDED TO:</th>
<th>CITY, STATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BioData Club: A Partnership model for Advancing Data Literacy</td>
<td>Oregon Health &amp; Science University</td>
<td>Portland, OR</td>
</tr>
<tr>
<td>Data Search: A lightweight tool to promote discovery of health sciences research data</td>
<td>Montana State University Libraries</td>
<td>Missoula, MT</td>
</tr>
</tbody>
</table>
National Medical Librarians Month: Interview Series in the Dragonfly

Featured Librarians!

- October 7: Sara Mannheimer, Data Librarian, Montana State University, Bozeman, MT
- October 14: Toan Lam-Sullivan, Bilingual Regional Librarian, Multnomah County Library, Portland, OR.
- October 21: Sue Groshong, Librarian, Seattle Children’s, Seattle, WA
- October 28: Katja Wolfe, Assistant City Librarian, Soldotna Public Library, Soldotna, AK

In honor of National Medical Librarians Month in October, we are featuring librarians in the PNN region who are medical/health sciences librarians as well as those who provide health information to their communities. This week of October 7th, 2019 we are featuring Montana State University’s Sara Mannheimer who is a Data Librarian. Welcome Sara, to the PNN Dragonfly blog!

Bio/Sketch:
- Name: Sara Mannheimer
- Position: Data Librarian
- Working organization: Montana State University
- Education history: MA in Information Science from University of North Carolina at Chapel Hill
- Personal Background: Sara takes ballet and modern dance classes and she performed in a local dance showcase last month. She also plays piano and guitar (but she only performs for her partner and her cat). Before becoming a librarian, Sara worked as a sea kayak guide in Alaska and the U.S. Virgin Islands, and she still loves being outside—bike commuting, backpacking, camping, and cross-country skiing. She is also an enthusiastic extrovert and a believer in the power of community, so spending time with friends is one of her biggest sources of joy.
277 million users viewed MedlinePlus more than 700 million times in 2018

Information sourced from over 1,600 selected organizations

40,000 links to authoritative health information in English

18,000 links to authoritative health information in Spanish

Links to resources in more than 60 languages (documents, audio, video)

https://medlineplus.gov/
Health Information for **All of Us** Research Program Participants

- Measuring Your Body
- Health and Wellness
- Staying Healthy
- Lab/Medical Tests
- You and Your Doctor
- Genetics and Family History
- Participating in Research
About MedlinePlus

MedlinePlus is the National Institutes of Health’s Web site for patients and their families and friends. Produced by the National Library of Medicine, the world’s largest medical library, it brings you information about diseases, conditions, and wellness issues in language you can understand. MedlinePlus offers reliable, up-to-date health information, anytime, anywhere, for free.

You can use MedlinePlus to learn about the latest treatments, look up information on a drug or supplement, find out the meanings of words, or view medical videos or illustrations. You can also get links to the latest medical research on your topic or find out about clinical trials on a disease or condition.

Health professionals and consumers alike can depend on it for information that is authoritative and up-to-date. MedlinePlus has extensive information from the National Institutes of Health and other trusted sources on over 1000 diseases and conditions. There are directories, a medical encyclopedia, health
Getting the Right Information to Patients Using MedlinePlus Connect

- 1 hour Moodle On-Demand course
- Overview of MedlinePlus Connect
- How to implement into your institution
- 1 MLA CE and meets CHIS competency number 7 (Technology and Health)
NLM Exhibitions Connect

- Integrate NLM health information resources into the experience
- Reach diverse audiences and locations
- Join Exhibitions Connect listserv for “Call for Request” announcements
NNLM Delivery: delivery.nnlm.gov

Welcome to NNLM Delivery!

NNLM Delivery is a free document delivery service for members of the National Network of Libraries of Medicine. This service enables libraries to send links to ILL articles they lend, rather than emailing large attachments. NNLM Delivery can also be used to support local electronic document delivery.

- MY ACCOUNT
- MY FILES
- UPLOAD
New Resource: NNLM Delivery

NNLM Delivery is a document delivery, storage and retrieval service

Use NNLM Delivery to:

• Send a link to ILL article/s rather than emailing large attachments
• Send files to an institution that blocks email attachments
• Support local electronic document delivery
DOCLINE 6.2 Update

- The "Got PMID? Get Article!" input field, and the Place Request: PMID option in the Borrow menu now support input of multiple PMIDs.
- Updated Manual request receipts with second Author field (if input by borrower)
- Updated Journals Search to include user options when ‘No Journal Found’
- Manual request form updated with user help
- Borrow button labels updated for clarity
- User Account application emails updated
- Additional help on "Permission Denied" login error message (for trouble-shooting account issues)
- Additional search options on Administration Dashboard for customer support
- Updated NLM Customer Support links in website
Loansome Doc Retired

• Retired on July 1, 2019
• Loansome Doc users were notified via email by NLM
• See the Loansome Doc Retirement Transition Toolkit: https://www.nlm.nih.gov/docline/support/LD_toolkit.html
• Loansome Doc users are encouraged to use Outside Tool, the PubMed “Send to: email” feature, and local ILL software
Library LinkOut using Outside Tool

- LinkOut and LinkOut Local will be discontinued by the end of 2019
- Libraries will need to use Outside Tool
- Outside Tool places a library icon and link on each PubMed citation
- Outside Tool requires a link resolver and ILL form
- Publisher icons will remain available on PubMed citations, whether or not a library uses Outside Tool
A new PubMed is on the way!
New PubMed

We are transforming PubMed into a modern hub with a fast, reliable, and intuitive search that connects people to the world's leading sources of biomedical information.
New retrieval features...

• Improved sensors
• Enhanced synonymy, including plural forms
• Enhanced British/American mapping
• Unlimited truncation
• Improved Best Match brings the best results to the top!
...and the features you rely on

• Advanced search
• Downloadable search history
• Search details
• Outside Tool icons
• My NCBI custom filters
• Links from the MeSH terms
PubMed best practices have not changed

Looking for some good articles about a topic?
• Enter your search terms into the search box
• Be specific
• No search tags or ANDs needed
• Avoid quotation marks
• Avoid truncation (*)

Looking for a specific, known article?
• Let the citation sensor work for you
It’s all on mobile, too!

• Log in to My NCBI
• Advanced search
• Filters
• Timeline
• Sort order
• Cite
• Share
• Publisher and PMC icons
• Outside Tool icons
Timing

• In October new PubMed formally announced by NLM
• In early 2020 new PubMed is the default
• Both legacy and new PubMed run in parallel for several months
• Legacy PubMed will be retired after that
• And that’s just the beginning
Try the new PubMed: pubmed.gov/labs
Still to come...

These tools will direct to the new PubMed when it is the default:
• Search from the MeSH database
• Search from NLM Catalog
• Clinical Queries
• Single Citation Matcher
• Batch Citation Matcher
• My NCBI will direct to the new PubMed – saved searches, alerts will not need to be recreated.
• A New PubMed API
• And more...
Communication and Planning

Watch for Updates:

• PubMed Labs in the [NLM Technical Bulletin](#)
• PubMed Labs in the [NCBI Insights Blog](#)
• New PubMed [Home Page](#)
• NLM and NCBI Social Media
• Training from the [National Network of Libraries of Medicine](#)
  • NNLM Resource Picks (webinar): The New PubMed
    Wednesday, November 20, 1pm MT/ 12pm PT
Welcome to NNLM RD3

The National Network of Libraries of Medicine aims to support data sharing and open science, and foster the development of professionals in data science. This resource supports advancing data science, open science & biomedical informatics through aggregate data resources, programs and services across NNLM.
RD3 website has the course material from NNLM’s RDM 101 course posted on their website
RDM 101 and 102 Content

RDM 101 Material
Week 1 – Overview and Data Cycle
Week 2 – Curation and Documentation
Week 3 – Standards, Taxonomies, & Ontologies
Week 4 – Security, Storage, and Preservation
Week 5 – Sharing and Publishing
Week 6 – Data Management Plans

RDM 102 Material
Week 1 – Open Science and Data Science
Week 2 – Data Literacy
Week 3 – Data Wrangling
Week 4 – Data Visualization & Storytelling
Data Literacy Interest Survey Results

• Data Literacy Interest survey was created and circulated by myself and Carolyn Martin from the NNLM PNR office from September 23rd – October 4th

• The survey’s purpose was two fold.
  • One to gain an better understanding of network members’ awareness of data resources that are freely available to them like NNLM’s “RDM 101” and “RDM 102”.
  • Two, to also better understand current data literacies of our Network members in order to justify developing a new data literacy course.
Survey Taking Librarian Type

- Public: 28%
- Hospital: 26%
- Academic Health Sciences: 17%
- Academic Non-Health Sciences: 14%
- Other: 8%
- None of the above: 4%
- Government: 3%
- Corporate/Industry: 3%
- K-12: 0%
Percentage of Survey Respondents that have Heard of NNLM’s RDM Courses “RDM 101” and “RDM 102”

- Yes: 36%
- No: 63%
- Unknown: 1%
Percentage of Survey Respondents that have Taken Either NNLM’s RDM Course “RDM 101” or “RDM 102”

- Yes: 23%
- No: 58%
- No Response: 19%
Reasons Why Survey Respondents did not take NNLM’s “RDM 101” or “RDM 102”

- Other: 27%
- Don’t need it for work: 27%
- Intimidated: 23%
- Too busy: 20%
- Schedule problems: 3%
- Not interested: 0%
Percentage of Survey Respondents Interested in the Creation of a New Data Literacy Course

- Yes: 64%
- Unsure: 28%
- No: 8%
Upcoming Opportunities!

- **Join** “Working Across Difference: Making Better Connections” (webinar)—Wednesday, November 13, 10am MT/9am PT
- **Watch** “The New PubMed” (webinar)—Wednesday, November 20, 1pm MT/12pm PT
- **Stay tuned** for RDM 102 coming this Spring!
- **Get Involved** in NNLM *All of Us*—10 Easy Ways!
- **Respond** to NLM’s Request for Information: by December 2, 2019
• The National Network of Libraries of Medicine (NNLM) seeks new ideas to help improve access to health information and help inform the design of the NNLM request for applications for the 2021-2026 project period.


The deadline for submitting responses is December 2, 2019.
Questions?
Thank you from the NNLM PNR!

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