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MEDICAL LIBRARY ASSOCIATION

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From the Chair

Pam Hargwood, MLIS
Clinical Librarian
Robert Wood Johnson Library of the Health Sciences, Rutgers University

Hello everyone! Hope your summer is off to a great start!

It was a pleasure meeting those of you who attended the Communities Luncheon in Portland at the MLA Annual Meeting. For those of you who did not have an opportunity to attend the luncheon or the virtual annual business meeting, let me take a moment to introduce myself. I am the Clinical Librarian at Rutgers University-Robert Wood Johnson Library of the Health Sciences. I have been at my library for 31 years, starting out part time as a library technician and then eventually becoming a librarian in 2005. One of my primary responsibilities is serving as library liaison to our School of Nursing. The school offers both Bachelor's and Graduate Programs on three campuses located throughout the state of New Jersey. Much of my liaison work focuses on the Doctor of Nursing Practice students. I also support nursing at our primary teaching hospital collaborating with colleagues at our affiliated hospital network.

Beginning this month, I am going to bring back the monthly advice meetings that were started in early 2023. The first one will be Thursday, July 25th at 2pm. These are informal meetings where we can discuss issues we are facing as liaison librarians. Be on the lookout for the Zoom information on the NAHRS listserv closer to the meeting date.

Another goal for the coming year is to offer some programming either in collaboration with another caucus or on our own. If any of you have ideas for a program you think would be of interest to our caucus, please let me know.

I look forward to serving as your chair this year! Please feel free to reach out at hargwood@rutgers.edu with any comments or suggestions for the caucus or just to say hi and introduce yourself.

Best,

Pam

Nursing & Allied Health Resources & Services

MEDICAL LIBRARY ASSOCIATION

Author! Author! - NAHRS Members Activities

Featured Profile

Helen-Ann Brown Epstein, Informationist, Virtua Health Sciences Library, New Jersey, was profiled in the April 23, 2024 *Doody's Collection Development Monthly,* cdm.doody.com/2024/04/dct-librarian-selector-profile-helen-ann-brown-epstein-mls-ms-ahip-d-fmla/

Articles

Muellenbach, JM, Robinson, K, Fitterling, L, Montgomery, M, & **Bright, HS** (2024) Textbook and Board Exam Prep Resource Trends in Academic Health Sciences Libraries Serving College of Osteopathic Medicine Programs. *Journal of Electronic Resources in Medical Libraries* : 1-17. https://doi.org/10.1080/15424065.2024.2351111

Flood, E, Schweig, L, Froh, EB, Frankenberger, WD, Lebet, RM, Chen-Lim, ML, Payton, KJ, & McCabe, MA (2024) Arcus experience: Bridging the data science gap for nurse researchers. *Nursing Research* 10.1097/NNR.0000000000000748. Advance online publication. https://doi.org/10/1097/NNR.0000000000000748.

Morris, HN, Winslow, AT, Barreiro-Rosado, JA, **Torian, S,** & Charlot, M. (2024) Scoping review of barriers and facilitators to recruitment of Black people with cancer in biospecimen-based research. *JCO Precision Oncology* 8: e2300708. https://doi.org/10.1200/PO.23.00708

Truex, ES, Hillyer, J, & Spinner, EN (2024) Fostering change, empowering faculty: comments on the NURSLITT study and the five-year rule. *Journal of the Medical Library Association/JMLA* 112(2): 164-168. DOI: dx.doi.org/10.5195/jmla2024.1768

Presentations

Bright, HS (2024, May). Discovery Systems and Academic Health Sciences, 2015—2024, Paper presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Bright, HS, Robinson, K, Fitterling, L, Kelly, S, Wang, M, & **Lipke, L.** (2024, May).The 100 Top-Cited Articles in Osteopathic Medical Education: A Bibliometric Analysis, Paper presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Muellenbach, JM, Robinson, K, Fitterling, L, Montgomery, M, & **Bright, HS** (2024, May) Textbook and Board Exam Prep Resources: Trends in Academic Health Sciences, Paper presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Svoboda, E, Peterson, E, **Carlson, J,** DeSanto, K, Kellermeyer, L, DeSantis, M, Schonken, M, Nugent, R, Harnke, B, Benjamin, C, & St. Pierre, M. (2024, May) Academic and Hospital Libraries: Stronger Together with Shared Resources. Presentation, Annual Meeting of the Medical Library Association, Portland, OR. *(Note: J. Carlson was a nonpresenting co-author.)*

Gau, K, & **Delawska-Elliott, B** (2024, May) Getting Started with Collection Development: An Interactive Workshop on Selecting Resources for Your Library Community: Symposium, Annual Meeting of the Medical Library Association, Portland, OR.

Young, JS, & **Dennison, C** (2024, May) Building a foundation in data services: Lessons in community and identity. Paper presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Harrow, A, Railey, C, Aaronson, E, Abrahamsen, S, **Bass, M, Blake, L, Brown-Epstein, HA, Delawska-Elliott, B; Heimlich, L, Keller, S,** Kovar-Gough, I, Kraft, M, Ladd, DL, & Marshall, C. (2024, May) Novel Librarian Collaborations: Stronger Together. Immersion session, Annual Meeting of the Medical Library Association, Portland, OR.

Henderson, S, Robinson, L, Morgan, R, Robinson, C, & Reeder, B (2024, June) Reorienting Through Teamwork: One Library's Experience of Organizational Change. Poster presentation. Annual Meeting of the European Association of Health Information and Libraries/EAHIL, Riga, Latvia.

Vix, H, & **Hubenschmidt, H.** (2024, May) Mindful Curation: Mastering Resource Evaluation in Academia. Virtual poster, Annual Meeting of the Medical Library Association, Portland, OR.

Loster, S. (2024, May) The Effectiveness of Library Space on Student Learning and Success: Perceptions and Realities. Lightning Talk, Annual Meeting of the Medical Library Association, Portland, OR.

Vaduvathiriyan, P, & **Phillips, C.** (2024, May) An exploratory inquiry of the trends and practices of using AI tools in systematic re-

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NAHRS Member Spotlight: Jamie Quinn, MSIS, AHIP

NAHRS MLA Member Since: 2021

First Professional Position: Digital Projects Librarian

Current Position: Director of the Nursing Learning Resource Center, at Baylor University Louise Herrington School of Nursing, Dallas, Texas

Education:

- BA in Humanities from University of Texas at San Antonio
- MSIS in Information Science at University of North Texas
- AHIP certification
- SRSS certification

Favorite Website, Blog, or Streaming Service: Audible

Involvement in MLA or library organizations:

- Medical Library Association, Grants and Scholarship Committee – Jury liaison, 2023-2024
- Medical Library Association, Nursing and Allied Health Resources Caucus – Essential Resources List, Metadata Tagging Project, 2022-2023

Jamie Quinn, MSIS, AHIP

- Medical Library Association, Professionalism and Leadership Hub, Task Force – Redefining Professionalism Planning Meeting, 2022-2023
- Medical Library Association, Leadership Management Caucus, Mission, Priorities & Objectives for 2020-2021 Subcommittee
- Medical Library Association, Carla J. Funk, Government Relations Jury, 2021
- Medical Library Association, MLA/MIS Career Development Grant, 2015 – 2016
- Medical Library Association, Awards Garfield Jury Member, 2014 – 2015
- Medical Library Association, Awards Committee, Chair Designate 2010 - 2011
- Medical Library Association, Awards Committee, Chair 2011 - 2012

I became a librarian/ informationist because:

I grew up in libraries as my mother is a retired Children's Librarian. I became a librarian because I wanted to enjoy being at the intersection of research and scholarly literature.

My favorite holiday is Easter because the holiday and religious symbolism gives new hope and encouragement.

In my spare time, I like to: exercise, read, and learn languages.

I'm excited about learning all things related to Nursing and how to best support our educational faculty and clinicians. I look forward to meeting you all and perhaps working on a research project related to nursing education with you!

Author! Author! continued...

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views and their adherence to methodological quality guidance. Paper presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Phillips, C, Flanagan, C, Torp, K, Henigman, A, & Burke, JM (2024, May) Stronger Together: Supporting Early Career Librarians and Librarians New to Health Sciences, an MLA Chapter Task Force. Poster presentation, Annual Meeting of the Medical Library Association, Portland, OR.

Warner, L. (2024, May) Using a Practice Set to Teach Advanced Searching for Integrative Reviews. Lightning Talk, Annual Meeting of the Medical Library Association, Portland, OR.

Information Sources to Support Providers and Patients After Hazardous Chemicals Exposure

By Marianne R. Donley, MLIS Candidate, Gumberg Library, Duquesne University, mad661@pitt.edu

Introduction

On February 3, 2023, a Norfolk Southern freight train carrying hazardous chemicals including vinyl chloride, a raw material used in plastics manufacturing, derailed in the town of East Palestine, Ohio, near the border between Ohio and Pennsylvania. Railroad and government officials made the decision to vent and burn off the vinyl chloride, which is highly flammable, in order to prevent an uncontrolled explosion. This burn resulted in a cloud hydrogen chloride and phosgene, both hazardous chemicals as well, that Environmental Protection Agency (EPA) models predicted could have deposited soot as far as 25 miles away from the burn site (Bense, 2024). Residents of East Palestine and other communities affected by the derailment continue to report health symptoms that emerged after the accident, especially respiratory conditions such as bronchitis and asthma (Bense, 2024).

While the large-scale chemical exposure in the East Palestine case was widely reported, many chemical exposure events are much smaller, and can happen anywhere in the home and the workplace. Household cleaners, pesticides, construction materials, and art supplies can all be sources of hazardous materials with lasting health effects. In all of these scenarios, allied health professionals and nurses will be a part of the care team in the short and long term. As librarians and information professionals serving allied healthcare workers, it is important that we know where to turn for current, evidence-based information about chemicals, proper treatment procedures, and resources that allow providers to educate and advocate for their patients. In writing this column, I hope to provide a refresher on some resources you may already know, and to provide new resources and context for tools you can look to when assisting those providing care.

All of the resources mentioned here can also be found in the related research guide on the Duquesne University Gumberg Library website (https://guides.library.duq.edu/chemicalexposure).

Safety Data Sheets and Chemical Identification Tools

In exposures where the hazardous chemical is known, finding health and safety information often begins by looking at a safety data sheet (SDS), formerly known as a material safety data sheet (MSDS). Chemical manufacturers generate SDSs, following state and federal standards where the chemical is sold. In the United States, the Occupational Safety and Health Administration (OSHA) sets these standards, requiring hazard statements in Section 2, and first aid measures, including descriptions of potentially delayed exposure symptoms, in Section 4 (Occupational Safety and Health Administration, 2012). These symptoms are typically related to occupational exposures, which could be acute exposure to a large dose of a chemical, or chronic exposure to small amounts. An SDS can help a healthcare provider to understand how a symptom may be related to a chemical exposure, and also provide guidance on additional symptoms to monitor during long-term care.

SDSs can be found in several different places online, typically including the manufacturer's website. Because SDSs are intended mainly for occupational and transportation use, some manufacturers may require registration to access their full SDS database. Many chemicals are sold by multiple providers, however, and there are free databases of SDSs with information about a wide range of industrial and consumer products. Interactive Learning Paradigms, Incorporated (ILPI) maintains a number of free web resources related to occupational/environmental health and safety including its guide "Where to Find Material Safety Data Sheets on the

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Hazardous Chemicals Exposure continued...

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Internet" (Toreki, 2023).

Your institution may subscribe to a chemical inventory and SDS vendor such as Chimera, ChemWatch, ChemTrec, or others. Cameo, a free software developed by the National Oceanic and Atmospheric Administration (NOAA), does not contain SDSs, but does provide much of the information provided on an SDS including first aid measures.

When looking for SDSs or factsheets, it is important to remember that one molecule or substance may have more than one name. The easiest way to find an unambiguous identifier for a chemical is to find its CAS number. This number is assigned to a new molecule by the American Chemical Society's Chemical Abstract Service (CAS) and is recognized internationally by regulatory and research institutions. This number is especially helpful in identifying blended materials in commercial products, where only one ingredient in the blend may be considered hazardous. When reading an SDS, chemical names and CAS numbers are listed in Section 1 (Occupational Safety and Health Administration, 2012).

Chemical handbooks or other databases can provide an easy way to search for multiple synonyms and alternative names for a given molecule to find a CAS number. Free resources include the OSHA's Occupational Chemical Database and the National Institute for Occupational Safety and Health's (NIOSH) Pocket Guide to Chemical Hazards (Occupational Safety and Health Administration, n.d. a; National Institute for Occupational Safety and Health, n.d.). Chemical information databases such as SciFinder from the American Chemical Society (which requires a subscription) and ChemSpider from the Royal Society of Chemistry in the UK (which is free to use) will also provide quick factsheets on less common chemicals that include CAS numbers and alternate names. PubChem, from the National Library of Medicine, contains naming information as well as a list of ailments and conditions linked to a hazardous substance.

In the case of common consumer products, the EPA has put together a useful guide to tools for accessing chemical exposure information about household chemicals (Environmental Protection Agency, 2024a). These include the Consumer Product Information Database, which currently links to over 20,000 brand name products and includes label and ingredient information, and links to SDSs and first aid treatment instructions where available.

Treatment procedures for exposures and medical surveillance

Treatment guidelines for exposure cases can be found on many commonly used resources for health care professionals. UpToDate, for example, includes a guide to common occupational chemical exposures, with descriptions of common symptoms of certain chemical classes, and links to treatment information for specific chemicals (Vearrier, 2023).

Several government agencies also maintain guidelines for treatment of various chemical exposures. The Agency for Toxic Substances and Disease Registry (ATSDR) maintains peer reviewed Toxicological Profiles, which include Medical Management Guidelines (MMGs) for many of the 300 substances currently indexed in its collection (Agency for Toxic Substances and Disease Registry, 2024). MMGs are primarily designed for emergency response to acute exposures, but also contain information about follow up appointments, common symptoms, and potentially delayed symptoms, as well as patient information sheets. MMGs can be accessed via a tab in the Toxicological Profile, or through the MGG Landing page, although the ATSDR site lists the landing page as archival at the time of writing (Agency for Toxic Substances and Disease Registry, n.d.).

In the case of a mass exposure event, specific guidance for healthcare professionals may be issued by groups such as the ATSDR, which released a clinical guidance document for the East Palestine spill, or the state or local health department (Agency for Toxic Substances and Disease Registry, 2023).

For exposures specific to veterans of the US Armed Forces, the Department of Veterans Affairs (VA) has a guide of resources for medical providers. This includes information related to known sources of exposure in military sites and operations, such as the

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Hazardous Chemicals Exposure continued...

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use of Agent Orange in the Vietnam War and water contamination at Camp Lejeune (U.S. Department of Veterans Affairs, 2022).

Referral to specialized clinics and centers

In some cases, such as chemical ingestion, or exposure to an unknown chemical agent, referrals to specialized treatment or expertise may be necessary. The American Association of Poison Control Centers provides a searchable map of all of its member centers across the country, all of which are reachable through its 1-800-222-1222 hotline number 24 hours a day in any US state or territory (American Association of Poison Control Centers, 2024).

The Association of Occupational and Environmental Clinics and the American College of Occupational and Environmental Medicine both host searchable databases of providers and clinic sites that can be filtered to search for specialists in categories such as chemical pathology or in treatment of common exposure related conditions (Association of Occupational and Environmental Clinics, 2023; American College of Occupational and Environmental Medicine, 2024).

Patient Communication and Advocacy

Librarians can aid healthcare professionals in patient communication and advocacy, empowering patients to take leadership in their care and to seek legal and governmental aid. Several government databases maintain patient handouts for chemical exposures, to guide patients' next steps and provide reference for common symptoms and treatments. ATSDR's MMGs link to patient handouts for individual chemicals, and similar materials can be found through MedlinePlus's poisoning and toxicology guides to specific chemical classes, such as insecticides and pesticides, that are commonly used in the home and the workplace (Agency for Toxic Substances and Disease Registry, n.d.; MedlinePlus, n.d.).

In the case of an accidental or workplace exposure, environmental testing and medical surveillance may be available through local, state, or federal agencies, as was the case in East Palestine. This testing can provide confirmation of continued chemical exposure and monitor the progression of symptoms in order to recommend further treatment and support claims for assistance. Along with contacting a state department of health, patients may also reach out to a local elected official's office, such as a state representative or congressperson, for guidance on navigating programs at the state or national level.

Under the Toxic Substances Control Act, the Environmental Protection Agency was given the authority to regulate the use of substances deemed significant risks to health and safety. Furthermore, under the Emergency Planning and Community Right-to-Know Act (EPCRA), facilities are required to inform state officials of releases of hazardous or toxic chemicals into the environment. Individuals can report non-emergency exposures and leaks through the EPA's environmental violations reporting tool (U.S. Environmental Protection Agency, 2024b). The EPA provides separate guidelines and tools for reporting emergency spills and suspected violations (U.S. Environmental Protection Agency, 2023).

In the case of occupational exposures, OSHA provides reporting tools, including anonymous reporting, through its Worker Rights and Protections page. This page includes guidance on how to file a complaint online, over the phone, by mail, or in person at an OSHA office (Occupational Safety and Health Administration, n.d.b).

Veterans seeking disability compensation related to exposures during their service, can find information about eligibility, as well as links to information about symptoms and healthcare access, on the Veterans Affairs' disability benefits page (U.S. Department of Veterans Affairs, 2023).

Conclusion

In the case of known chemical

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Hazardous Chemicals Exposure continued...

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exposures, finding reliable information about potential symptoms and treatments allows professionals to provide effective care, and to guide patients to legal recourse and additional support. I hope that this column has given you a good start for navigating the broad landscape of chemical information available in the United States. While this is by no means an all-encompassing list, this set of resources is intended to guide you and the healthcare professionals you support to the most critical, accurate, and impactful tools in the case of a hazardous chemical exposure.

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In our Toolkit - A column for Resources New and Cool

This column highlights useful, cool, or new resources including websites, monographs, OA sources, subscription resources/databases, etc. that NAHRS members find helpful to their work.

Tool: Inciteful (https://inciteful.xyz/)

Recommended for: Anyone who wants to become familiar with a body of literature, find relevant articles for their paper in progress, or round out a literature review by checking related citations.

In a Nutshell: Inciteful is a free bibliometric analysis website that pulls its dataset and inspiration from trusted sources including Microsoft Academic Graph, Semantic Scholar, Unpaywall, Crossref, and Open Citations. Search for a "seed" paper using the title, DOI, PubMed URL, or arXiv URL, and Inciteful uses its advanced clustering algorithms to show you citation networks, similar influential or recent papers, prominent or upcoming authors, institutions, and journals. The algorithms group papers based on similarity and importance, as determined by number of citations and the complex PageRank algorithm. Alternately, interdisciplinary scholars can enter two citations from somewhat-related topics to see how they are connected by the literature. These two tools could be useful for increasing personal knowledge, quickly performing narrative reviews on a topic, supplementary systematic review searching, research network analysis, and more.

In addition to the website, Inciteful also comes with a Zotero plugin that allows you to start an Inciteful search from your Zotero library.

Column Editor: Elizabeth Moreton, MLS, Clinical Nursing Librarian, University of North Carolina at Chapel Hill.

To recommend a tool for this column, fill out the Google form at http://bit.ly/NAHRStoolkit. Tools mentioned in this column will also be added to the NAHRS Resources Wiki. To see the full list of resources, or to offer up your own suggestions via the Wiki, visit http://bit.ly/NAHRSresources.

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Other committee chairs and section representatives are listed at https://www.mlanet.org/page/caucus-landing--nahrs

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