

Karen Gutzman



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I serve as the Head of the Research Assessment and Communications Department at Galter Health Sciences Library & Learning Center at Northwestern University where I develop, support, and implement programs that increase awareness about digital scholarship and issues in the digital environment among faculty, researchers, and students at Feinberg School of Medicine. I work with library colleagues on preservation and access to scholarly outputs through a digital repository and other digital means, and I provide expertise for campus-wide digital preservation activities.

I am particularly interested in using information visualization to facilitate stronger comprehension of data in the assessment process. I regularly use tools such as VOSViewer, Science of Science Tool, Gephi, Excel, and Tableau. I keep an updated collection of [my works in DigitalHub](#), the institutional repository for Northwestern Medicine.

Please contact me with your questions related to:

- working with DigitalHub or other online repository
 - assistance with Northwestern Elements
 - disseminating non-traditional research outputs
 - developing ideas for new digital projects
 - managing or tracking publications
 - maintaining an impactful online identity
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Peer-reviewed Publications

Klem ML, Saleh AA, Devine PJ, **Gutzman KE**, Knehans AC, Mills TN, Oren GA, Vardell E. Librarians and health literacy: A scoping review. *Library and Information Science Research*. 2019;41(2):102-108. Available at: <https://doi.org/10.1016/j.lisr.2019.04.005>

Champieux R, Coates H, Konkiel S, **Gutzman K**. Metrics toolkit: An online evidence-based resource for navigating the research metrics landscape. *J Med Libr Assoc*. 2018;106(4):496-7. Available at: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6148626/>

Ilik V, Conlon M, Triggs G, White M, Javed M, Brush M, **Gutzman K**, Essaid S, Freidman P, Porter S, Szomszor, Haendel MA, Eichmann D, Holmes K. **OpenVIVO: Transparency in Scholarship**. *Frontiers in Research Metrics and Analytics*.

March 2018. Available at: <https://doi.org/10.3389/frma.2017.00012>

Gutzman KE, Bales ME, Belter CW, Chamber T, Chan L, Holmes, KL, Lu YL, Palmer L, Reznik-Zellen RC, Sarli CC, Suiter AM, Wheeler TR. **Evaluation Support Services in Biomedical Libraries**. Journal of the Medical Library Association. 2018 Jan;106(1):1-14. doi: 10.5195/jmla.2018.205. Available at: <https://www.ncbi.nlm.nih.gov/pubmed/29339930>

Ilik V, Hebal P, Olson A, Wishnetsky S, Pastva J, Kubilius R, Shank J, **Gutzman K**, Chung M, Holmes K. **DigitalHub: A Repository Focused on the Future**. Medical Reference Services Quarterly. 2018;37:1, 31-42. Available at: <https://doi.org/10.1080/02763869.2018.1404386>

Fort D.G., Herr T.M., Shaw P.L., **Gutzman K.E.**, Starren J.B. **Mapping the evolving definitions of translational research**. Journal of Clinical and Translational Science. 2017;1(1). Available at: <https://doi.org/10.1017/cts.2016.10>

Gutzman K.E., Holmes K.L., Lloyd-Jones D. **Visualizing Research Impact: Providing Services and Support**. In: Lessick, S., editor. Enhancing library impact through technology. J Med Libr Assoc. 2015 Oct;103(4):222–31. Available at: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4613389/>

Read KB, Sheehan JR, Huerta MF, Knecht LS, Mork JG, Humphreys BL, Abhyankar S, Akiwumi O, Bodenreider O, Davidson S, Fushman DD, Edinger T, Farber G, **Gutzman K**, Hantakas MA, Kochar P, Larkin J, Lyster P, McAuliffe M, Mohary S, Ochej H, Printseva O, Rodionov O, Rodriguez L, Roy S, Schmidt S, Shooshan S, Simpson M, Sinnot C, Tate S, Ward J, Yorks M. **Sizing the problem of improving discovery and access to NIH-Funded data: A preliminary study**. PLoS ONE. 2015;10(7). DOI: 10.1371/journal.pone.0132735. Available at: <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0132735>

Gutzman K.E., Vana M.L., Holmes K.L. **Libraries and genomics: providing support to health care providers and consumers**. Missouri medicine. 2014;111(5):408-12. Available at: <http://www.ncbi.nlm.nih.gov/pubmed/25438361>

Book Chapters

Gutzman K.E.. **Translating expertise: Librarians in the translational research enterprise**. **Medical Library Association**. Lanham: Rowman & Littlefield; c2016. Chapter 15, Research Impact Assessment; pg. 209-232. Available at: <https://www.amazon.com/Translating-Expertise-Librarians-Translational-Association/dp/1442262672>

Conference Papers

Gutzman K.E., Adie E, Carson M. **Understanding Attribution: creating equitable models in the scholarly ecosystem**. Session at: Force2017 Research Communication and e-Scholarship Conference; 2017, October 25; Berlin, Germany.

Gutzman K, Suiter A, Reznik-Zellen R, Palmer L, Belter C, Lu Ya-Ling, Holmes K, Wheeler T, Bales ME, Chambers T, Chan L, Sarli C. **Implementing the Vision: Making Research Evaluation Services a Reality**. Paper presented at: Medical Library Association Annual Conference: 2017, May 26-31; Seattle, WA.

Shaw P, **Gutzman K**. **Keeping up with Demand: Doing NIH Biosketch Support**. Lightning Talk presented at: Medical Library Association Annual Conference: 2017, May 26-31; Seattle, WA. Available at: <http://dx.doi.org/10.18131/G3F420>

Gutzman K.E., Shaw P., Konkiel S. **Mining for Gems: Gathering Research Impact Metrics with a DIY approach**. Paper presented at: Medical Library Association Annual Conference; 2016; May 14-18; Toronto, ON. Available at: <https://doi.org/10.18131/G38G7S>

Gutzman K.E., Holmes K. **Research Impact and Evaluation Services in the Library: one piece at a time**. Lightning

Talk presented at: Medical Library Association Annual Conference; 2016; May 14-18; Toronto, ON. Available at: <https://doi.org/10.18131/G3D89Q>

Gutzman K., Tryka K. Extending JATS to include the NISO/NFAIS Recommended Practices for Online Supplemental Journal Article Materials. Paper presented at: Journal Article Tag Suite Conference (JATS-Con) Proceedings; 2014 April 1-2; Washington D.C. Available at: <http://www.ncbi.nlm.nih.gov/books/NBK159734/>

Conference Panel Discussions

Gutzman K.E., O'Flinn R., Rouhi S. (2018, November). **Getting Everyone Around the Table to Build Sustainable Innovations.** Panel discussion presented at: Charleston Conference; 2018, November 8; Charleston, SC.

Watkinson C., Zilinski L., **Gutzman K.E.**, Taylor M. (2017, November). **Game of Thrones: Finding Relevance for the Institutional Repository in a World of Pre-print Servers.** Panel discussion presented at: Charleston Conference; 2017, November 9; Charleston, SC.

Gutzman K.E., Sorensen A, Habib M, Taylor M. (2017 November). **From Numbers to Narratives: Putting the Human Face on Metrics.** Panel discussion presented at: Charleston Conference; 2017, November 8, Charleston, SC.

Taylor M, Gunn W, **Gutzman K**, Holmes K. (2017, June). **Supporting Open Research, Discovery, and Impact in Academic Research.** Panel discussion on Understanding Academic Research: Free and Low-Cost Tools & Workflows presented at: American Library Association Annual Conference, ALCTS Scholarly Communication Interest Group Program; 2017, June 24; Chicago, IL. Available at: <http://dx.doi.org/10.18131/G3X97Z>

Gutzman K. (2017, June). **Enhancing the Visibility and Dissemination of Research.** Panel discussion on Impactful Partnerships: Navigating the Evolving Scholarly Communication Landscape with Faculty presented at: American Library Association Annual Conference; 2017, June 25. Chicago, IL. Available at: <http://dx.doi.org/10.18131/G3M91W>

Belter C, Lu Ya-Ling, **Gutzman K**, Holmes K, Wheeler T, Bales M, Bakker C, Sarli C, Suiter A, Gore S, Chambers T, Chan Liza. (2017, May). **From Dreaming to Doing. Implementing Research Impact Assessment Services.** Panel discussion presented at: Medical Library Association Annual Conference; 2017, May 30; Seattle, WA.

Haendel M., Konkiel S., **Gutzman K.**, Holmes K. (2015, August). **Measuring Success through Improved Attribution.** Panel discussion presented at: VIVO Annual Conference; 2015, August; Boston, MA. Available at: <https://digitalhub.northwestern.edu/files/m326m172d>

Rapple C., Mascuilli J., **Gutzman K.**, Williams A. **The Kaleidoscope of Impact: same data, different perspectives, constantly changing.** Panel discussion presented at: Advancing Research Communication and Scholarship conference; 2015, April 28; Philadelphia, PA. Available at: <http://www.slideshare.net/growkudos/the-kaleidoscope-of-impact-same-data-different-perspectives-constantly-changing>

Invited Presentations and Webinars

Gutzman K.E. Evaluating Research Impact: Tools, resources, and ideas for getting involved. [webinar] Library value through the lens of student success, research outcomes and collection impact. Elsevier Library Connect Webinars; 2018, July 12. Slides available at: <https://doi.org/10.18131/G3R74K> Recording archived at: <https://libraryconnect.elsevier.com/library-connect-webinars>

Smith P, **Gutzman K**, Holmes K [webinar]. **8 Tips for Using Bibliometrics in Research Evaluation.** MLA Webinar Series; 2017, November, 29; Chicago, IL. Slides available at: <https://doi.org/10.18131/G38B2H>

Peterson J, Miller C, **Gutzman KE. Visualizing the Impact of a New Clinical Informationist Service.** [webinar]. NNLM Greater Midwest Region; 2017, September 26, Chicago, IL.

Gutzman K.E., Holmes K. Visualizing Context and Concepts in the Clinical and Translational Sciences. [invited talk]. InCites Customer Forum; 2017, October 18, Philadelphia, PA.

Gutzman K.E., Smith P, Shaw P. Using Alternative Metrics in the NIH Biosketch. [webinar]. Altmetric.com for the National Council of University Research Administrators (NCURA); 2017, September 25; Chicago, IL.

Gutzman K.E. Impactful Partnerships: Working with Faculty to Enhance Visibility and Dissemination of Research. [webinar]. NNLM South Central Region; 2017, August 9; Chicago, IL. Slides available at: <http://dx.doi.org/10.18131/G33F07>

Gutzman K.E., Holmes K. Visualizing Context and Concepts in the Clinical and Translational Sciences. [Clarivate Analytics Technology Showcase] Medical Library Association Annual conference; 2017; May 26-31; Seattle, WA.

Gutzman K.E. Evaluating Research Impact: a Sweeping View of the the Landscape. [invited speaker] APLIC Population Information Professionals Annual Conference; 2017, April 24-26; Chicago, IL. Available at: <http://dx.doi.org/10.18131/G3PD05>

Gutzman K.E., Shaw P.S., Konkiel S. How to showcase your research impact in the new NIH Biosketch format. [webinar] Altmetric.com; 2015, Oct. 14. Slides available at: <https://doi.org/10.18131/G35P4S>

Gutzman K.E. Metrics and Impact Core at Galter Library. [invited speaker] Bibliometrics and Research Assessment: A workshop for Librarians and Information Professionals. Special Library Association; 2015, May 21; Washington D.C.

Gutzman K.E., Holmes K.L. Building the Bioinformatics Pipeline. [invited speaker] Medical Library Association Annual Conference; 2014, May 16-21; Chicago, IL.

Conference Posters (selected)

Miller C, **Gutzman K**, Kubilius R. **Collaborating Within the Library: Bringing History and Impact to the Forefront.** Poster session presented at the Health Sciences Librarian Illinois Annual Conference; 2017, October 25-27; Bloomington, IL. doi:[10.18131/G3NX5X](https://doi.org/10.18131/G3NX5X)

Miller C, **Gutzman K**, Kubilius R. **Collaborating Within the Library: Bringing History and Impact to the Forefront.** Poster session presented at the Medical Library Association MidWest Chapter Annual Conference; 2017, October 13-17; Ypsilanti, MI. doi:[10.18131/G3NX5X](https://doi.org/10.18131/G3NX5X)

Goodman DM, **Gutzman KE**, Balistreri WF. **Clinical Trials...and Tribulations! “The Registration Haze”.** Poster session presented at the Eighth International Congress on Peer Review and Scientific Publication; 2017; September 10-12; Chicago IL.

Peterson J., Miller C., **Gutzman K. Can I get a visual? The Impact of the New Clinical Informationist Program.** Poster session presented at: Medical Library Association Annual conference; 2017; May 26-31; Seattle, WA. Available at: <http://dx.doi.org/10.18131/G3P99J>

Gutzman K.E., Shaw, P, Mohammadi E., Holmes K. The Mosaic of Translation: An Analysis of Translational Medicine Publications. Poster session presented at: NIH Bibliometrics and Research Analysis Symposium; 2016; Oct. 31 – Nov. 1; Bethesda, MD.

Gutzman K.E., Shaw, P, Mohammadi E., Holmes K. The Mosaic of Translation: An Analysis of Translational Medicine

Publications. Poster session presented at: Medical Library Association Annual Conference; 2016; May 14-18; Toronto, ON.

Gutzman K.E., Konkiel S., White M., Brush M., Ilik, V., Conlon M., Holmes K., **FORCE11 Attribution Working Group, OpenVIVO Working Group.** Attribution of Work in the Scholarly Ecosystem. Poster session presented at: FORCE 2016 Annual Conference; 2016; April 16-19; Portland, OR. Available at: <https://doi.org/10.18131/G3J02J>

Gutzman K.E., Holmes K.L. **A library evolving: providing research impact and evaluation services.** Poster session presented at: American Evaluation Association Annual Conference; 2015, November 9-14; Chicago, IL. Available at: <https://digitalhub.northwestern.edu/files/7w62f8209>
<https://doi.org/10.18131/G3X307>

Gutzman K.E., Holmes K.L. **Impactful Visualizations of Bibliographic Metadata in Cardiovascular Disease Epidemiology.** Poster session presented at: Medical Library Association Annual Conference; 2015, May 15-20; Austin, TX. Available at: <https://doi.org/10.18131/G33K5H>

Klem M.L., Devine P.J., El-Khayat Y.M., **Gutzman K.E.,**...Vardell E. **Librarians and Health Literacy: A Scoping Review.** Poster session presented at: Medical Library Association Annual Conference; 2015, May 15-20; Austin, TX.

Wheeler T.R., **Gutzman K.E.,** Bales M., Albert P., Holmes K.L. **Envisaging Biomedicine: Visualizations of the Clinical and Scholarly Ecosystem using Bibliographic Metadata.** Poster session presented at: Visual Analytics in Healthcare; 2014, November; Washington D.C. Available at: <https://doi.org/10.18131/G3NK5G>

Gutzman K.E., Vana M.L., Holmes K.L. **Building solid foundations: Graduate students and researchers in the basic sciences and the library.** Poster session presented at: Medical Library Association Annual Conference; 2014, May 16-21; Chicago, IL. Available at: http://digitalcommons.wustl.edu/becker_pubs/48/

Gutzman K.E., Sarli C.C., Holmes K.L. **Enjoying the skyline: Providing researchers with a view of impact.** Poster session presented at: Medical Library Association Annual Conference: 2014, May 16-21; Chicago, IL. Available at: http://digitalcommons.wustl.edu/becker_pubs/47/

Yu, J., Tabor, H.K., Lakes, K., Flodman, P, **Gutzman, K.,** Specker, B., Swanson, J., Bamshad, M.J. (2011). **Feasibility of informed consent for whole genome sequencing in the National Children's Study: participant understanding and informational needs.** Paper presented at the Presented at the 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics. Available: <http://www.ichg2011.org/cgi-bin/showdetail.pl?absno=21752>

Bamshad, M., Nickerson, D., Rieder, M., Yu, J., Eichler, E., Shendure, J., McMillin, M., Anderson, N., Hartzler, A., Tabor, H., Swanson, J., Flodman, P., Lakes, K., Wadhwa., P., Faustman, E., Jarvik, G., Burke, W., **Gutzman, K.,** Murray, J.(2011). **Building Capacity for Whole Genome Sequencing (WGS) in the National Children's Study (NCS): DNA Sequencing and the 100 Trios Project.** National Institutes of Health. Abstracts of the National Children's Study Research Day; 2011 August 24; Bethesda, MD. DOI: 10.1002/ajmg.a.35432

Other Publication Types

NISO. Outputs of the NISO Alternative Assessment Metrics Project: Recommended Practice of the National Information Standards Organization. Baltimore Maryland: NISO; 2016 September. Available from: http://www.niso.org/apps/group_public/download.php/17091/NISO_RP-25-2016_Outputs_of_the_NISO_Alternative_Assessment_Project.pdf. Other: NISO RP-25-2016.

Pastva J, Shank J. Capturing and Analyzing Publication, Citation, and Usage Data for Contextual Collection Development.

Also credited on the presentation as contributors were Kubilius RK, **Gutzman K**, and Kaul M. NASIG 2017, Indianapolis, June 8-11, 2017.

Library or Museum Exhibits

Gutzman K.E., Miller C.H., Kubilius .K. **Northwestern Notables: A Lasting Legacy – Featuring Dermatology**. 2018 March 1- present; Northwestern University McGaw Building Lobby. Chicago IL. Available at: <https://doi.org/10.18131/G3XB11>

Gutzman K.E., Holmes K.L. Visualizing Science at Feinberg School of Medicine. 2015 July 1 – Nov 30; Galter Health Sciences Library; Chicago, IL. Referenced at <https://galter.northwestern.edu/news/visualizing-science-at-feinberg-school-of-medicine>

Gutzman K.E. The Legacy of Dr. Kretchmer. 2015 November 30 – Dec 15; Galter Health Sciences library; Chicago, IL Referenced at: <https://doi.org/10.18131/G38W3D>

Gutzman K.E., Freidrich C., Thiex N., BYPL NCS Staff. Traveling Exhibit on the National Children's Study. 2011 July 10 – Dec 20; Brooking's Children's Museum; Brookings, SD.

Gutzman K.E., Freidrich C., Thiex N., BYPL NCS Staff. Traveling Exhibit on the National Children's Study at Edgerton Public Library. 2012 Jan 20 – April 15; Edgerton Public Library; Edgerton, MN.

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