Joshua Richardson

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I am a Senior Research Scientist at the Galter Health Sciences Library & Learning Center at Northwestern University. I provide strategic and operational leadership for Galter's research and knowledge management portfolio in priority areas such as open science, data science and artificial intelligence, digital infrastructures and repository systems, evaluation and continuous improvement, and the mobilization of computable biomedical knowledge. I have a background in both biomedical informatics and library management and services.

Areas of Interest & Expertise

- Evaluation
- Clinical Decision Support and EHRs
- Learning Health Systems
- Computable Biomedical Knowledge
- Qualitative Methods

Peer-reviewed Publications (Selected)

Friedman, C. P., Lomotan, E. A., **Richardson, J. E.**, & Ridgeway, J. L. (2024). Socio-technical infrastructure for a learning health system. Learn Health Syst, 8. https://doi.org/10.1002/lrh2.10405

Platt, J. E., Solomonides, A. E., Walker, P. D., Amara, P. S., **Richardson, J. E.**, Middleton, B., Mobilizing Computable Biomedical Knowledge, T., & Policy Work, G. (2023). A survey of computable biomedical knowledge repositories. Learn Health Syst, 7. https://doi.org/10.1002/lrh2.10314

Dorr, D. A., **Richardson, J. E.**, Bobo, M., D'Autremont, C., Rope, R., Dunne, M. J., Kassakian, S. Z., & Samal, L. (2022). Provider Perspectives on Patient- and Provider-Facing High Blood Pressure Clinical Decision Support. Appl Clin Inform, 13, 1131--1140. https://doi.org/10.1055/a-1926-0199

Richardson, J. E., Middleton, B., Platt, J. E., & Blumenfeld, B. H. (2020). Building and maintaining trust in clinical decision support: Recommendations from the Patient-Centered CDS Learning Network. Learn Health Syst, 4. https://doi.org/10.1002/lrh2.10208

Richardson, J. E., Rasmussen, L. V., Dorr, D. A., Sirkin, J. T., Shelley, D., Rivera, A., Wu, W., Cykert, S., Cohen, D. J., & Kho, A. N. (2022). Generating and Reporting Electronic Clinical Quality Measures from Electronic Health Records: Strategies from EvidenceNOW Cooperatives. Appl Clin Inform, 13, 485--494. https://doi.org/10.1055/s-0042-1748145

Alper, B. S., **Richardson, J. E.**, Lehmann, H. P., & Subbian, V. (2020). It is time for computable evidence synthesis: The COVID-19 Knowledge Accelerator initiative. J Am Med Inform Assoc, 27, 1338--1339. https://doi.org/10.1093/jamia/ocaa114

Presentations and Posters (Selected)

Hoffman-Peterson, A., Nong, P., Ryan, K., Platt, J. E., & **Richardson, J. E.** (2023, Mar). A narrative review of trustable AI to develop an AI-clinical decision support product information label. https://amia.org/education-events/amia-2023-informatics-summit

Richardson JE, et al. Enabling Rapid Application and Management of Knowledge in Learning Health Systems: The Computable Biomedical Knowledge Metadata

Model (CBK-MM) Project. Poster session, AMIA Annual Symposium, New Orleans, LA, November 13, 2023. https://amia.org/education-events/amia-2023-annual-symposium

Richardson JE, et al. Exploring Forensic Nurse Examiner Information Needs for Documenting and Reporting Cases of Interpersonal Violence. Poster session, AMIA Annual Symposium, New Orleans, LA, November 14, 2023. https://amia.org/education-events/amia-2023-annual-symposium

Ramos S, Kolnik J, Presler-Jur P, **Richardson J**, Brinton J. Whose story is it anyway?: An evaluation of hospital-based technology with multiple stakeholders. American Evaluation Association, October 11 2023. https://www.abtglobal.com/insights/events/american-evaluation-associations-aea-annual-conference-2023