



**Exponent**<sup>®</sup>  
Engineering & Scientific Consulting

## Catherine Rogers Murray, M.P.H.

Managing Scientist | Health Sciences

Natick

+1-508-652-8595 | [crogersmurray@exponent.com](mailto:crogersmurray@exponent.com)

### Professional Profile

Ms. Rogers Murray is an epidemiologist with expertise in managing complex research operations for large-scale, multi-site and regulatory studies. She served as a key member of a national medical product safety surveillance program (the U.S. Food and Drug Administration's Sentinel Initiative), overseeing data operations and transparency initiatives to ensure the highest standards of scientific accuracy, rigor, and transparency.

Ms. Rogers Murray specializes in program management, systems development, communication strategy implementation, and process improvement. The cornerstone of Ms. Rogers Murray's contribution to public health is her ability to build strong partnerships among diverse stakeholders including regulatory decision-makers, medical product manufacturers, academic researchers, and the general public. She works on the business so others can work in the business.

### Academic Credentials & Professional Honors

M.P.H., Epidemiology, Brown University, 2014

B.A., English and Spanish Literature, Skidmore College, 2005

Emerging Leader Award, International Society for Pharmacoepidemiology, 2025

### Prior Experience

Senior Project Manager, Sentinel Initiative, 2013–2021

Marketing and Communication Design Manager, Public Responsibility in Medicine and Research (PRIM&R), 2008–2012

Copy Editor, Taunton Daily Gazette, 2006–2007

### Professional Affiliations

Gerontology Society of America

International Society for Pharmacoepidemiology

### Publications

Dore DD, Myles L, Recker A, Burns D, Rogers Murray C, Gifford D, Mor V. The Long-Term Care Data Cooperative: The Next Generation of Data Integration. *Journal of the American Medical Directors*

Association. 2022 Dec 1;23(12):2031–3.

Fireman B, Gruber S, Zhang Z, et al. Consequences of Depletion of Susceptibles for Hazard Ratio Estimators Based on Propensity Scores. *Epidemiology*. 2020 Nov;31(6):806–814.

Dore DD, Kyle M, Burns D, Murray CR, Watson H, Swaney J, Spevack S, Leonhard M, Simon M, Moynihan E, Lapane KL, Wang SV, Longo CL, Ritchey ME. Cardiovascular safety of fixed-dose extended-release naltrexone/bupropion in clinical practice. *Obesity Pillars*. 2025;100169. ISSN 2667-3681. <https://doi.org/10.1016/j.obpill.2025.100169>.

Panozzo CA, Welch EC, Woodworth TS, et al. Assessing the impact of the new ICD-10-CM coding system on pharmacoepidemiologic studies. *Pharmacoepidemiology and Drug Safety*. 2018;27:829–838.

Panozzo CA, Woodworth TS, Welch EC, et al. Early impact of the ICD-10-CM transition on selected health outcomes in 13 electronic health care databases in the United States. *Pharmacoepidemiology and Drug Safety*. 2018;27:839–847.

Chrischilles EA, Gagne JJ, Fireman B, et al. Prospective Surveillance Pilot of Rivaroxaban Safety Within the US Food and Drug Administration Sentinel System. *Pharmacoepidemiology and Drug Safety*. 2018 Mar;27:263–271.

Rogers, C. Parents' Vaccine Beliefs: A Study of Experiences and Attitudes Among Parents of Children in Private Pre-Schools. *Rhode Island Medical Journal*. 2014 Apr;97(4):27-30.

### **Presentations**

Burns DR, Kyle ML, Rogers Murray C, Watson H, Swaney JR, Spevack S, Leonhard M, Simon MA, Moynihan E, Lapane KL, Wang S, Longo C, Ritchey ME, Dore D. Evaluating the Cardiovascular Safety of Naltrexone/Bupropion in the United States. Poster presented at: The 40th International Conference on Pharmacoepidemiology. 2024 August 24-28. Berlin, Germany.

Rogers Murray C, Kyle ML, Burns D, Watson H, Swaney JR, Spevack S, Leonhard M, Moynihan E, Lapane KL, Wang S, Longo C, Ritchey ME, Dore D. Emulating a Clinical Trial to Assess the Fitness of Real-World Data for Evaluating the Cardiovascular Safety of Fixed-Dose Combination Naltrexone/Bupropion in the United States. Poster presented at: The 41st Annual Meeting of the International Society for Pharmacoepidemiology. Washington, DC, USA.

### **Invited Talks**

Presented at the Contract Research Organizations Career Panel, UMass Chan Medical School, Population and Quantitative Health Sciences (virtual, June 2025)

Presented at the MPH Alumni Career Panel, Brown University School of Public Health (Providence, Rhode Island, April 2015)

Presented at the MPH Alumni Career Panel, Brown University School of Public Health (Providence, Rhode Island, March 2016)

Presented at Alumni Career Panels for Consulting, Industry, and Academia, Pharmacoepidemiology Student Chapter at Harvard T.H. Chan School of Public Health (Boston, Massachusetts, March 2025)