Katrin O'Grady, MPH

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Public health researcher with MPH in data science and seven years of clinical research experience. Using R, GIS, and statistical modeling to analyze complex datasets and communicate findings to research teams and community partners.

EDUCATION

University of Minnesota — Sep 2024 – May 2026
M.P.H. Data Science — Minneapolis, MN
Delta Omega National Honors Society, Phi Kappa Phi Honors Society

Macalester College — Sep 2015 – May 2019
B.A. Biology (major), Psychology (minor) — Saint Paul, MN

PROFESSIONAL EMPLOYMENT

Data Scientist — Jun 2025 – Sep 2026
Superior Hiking Trail Association via UMN Humphrey School — Minneapolis, MN

- Partnered with the Superior Hiking Trail Association to identify analysis needs and deliver findings supporting grant applications and trail maintenance planning.
- Cleaned, merged, and analyzed demographic and trail-use datasets in R and GIS; produced visualizations and summary tables for research clients and community audiences.
- Built an interactive R Shiny application to explore trail traffic and asset locations and conditions by trail section.
- Presented "Spatial and Temporal Variation in Use of the Superior Hiking Trail" with Dr. Greg Lindsey at the Active Living and Outdoor Health Conference in March 2026.

Clinical Researcher | Cardiovascular and Critical Care Research — Sep 2023 – Present
Research Associate II — Jun 2022 – Aug 2023
Research Associate I — Jan 2021 – Jun 2022
Research Assistant — Jul 2019 – Jan 2021
Children's Minnesota — Minneapolis, MN

- Led site research for the PRECISE trial in patients with sepsis-induced organ failure, managing enrollment, randomization, sample processing, care-team coordination, and adverse event reporting.
- Led coordination of the CHD PULSE survey study at Children's, distributing surveys and managing participant communication for a multisite registry of adults with congenital heart disease.
- Guided new clinical investigators through the research process and trained staff on study procedures, systems, and compliance requirements.
- Managed project contract negotiations and budget management; partnered with pharmacy, nutrition, laboratory teams, and external healthcare collaborators to implement research projects.
- Coordinated a cardiac catheterization risk-management database; maintained study trackers, source materials, IRB documentation, and audit-ready processes.

PRESENTATIONS AND AWARDS

Data Science Health Equity Challenge, MPH Communication Award — Oct 2024
Completed data analysis on health disparities related to telehealth access for Hennepin County, Minnesota residents using logistic regression models in R.

Spatial and Temporal Variation in Use of the Superior Hiking Trail — Mar 2026
Presented with Dr. Greg Lindsey at the Active Living and Outdoor Health Conference.

SELECTED PUBLICATIONS

Coauthor, "Rationale and design of CHD PULSE: Congenital Heart Disease Project to Understand Lifelong Survivor Experience." American Heart Journal. 2024;278:150–160. doi: 10.1016/j.ahj.2024.09.003

Coauthor, "Predischarge death or lung transplantation in tracheostomy and ventilator dependent grade 3 bronchopulmonary dysplasia." Pediatric Pulmonology. 2024;59(4):867–873. doi: 10.1002/ppul.26837

TECHNICAL SKILLS

Programming & Tools: R, SQL, Python, GitHub, Claude Code, Codex, REDCap, Florence, iMedidata
Statistical Analysis: Statistical modeling, logistic regression, quantitative analysis, geospatial analysis
Data Preparation & Management: Data cleaning, data manipulation, dataset integration, research data management
Visualization & Reporting: Tableau, R Shiny, GIS, Microsoft Excel, interactive data visualization, analytical reporting