Josie Gauthier, M.P.H.

EPIDEMIOLOGIST III

CONTACT INFORMATION

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PROFESSIONAL PROFILE

Mrs. Gauthier is an epidemiologist in ToxStrategies' EpidStrategies division. She has experience in both healthcare data analysis and environmental assessment analysis, and has performed qualitative and quantitative analyses on data from a variety of sources for a range projects, including a CDC-partnership project on *C-difficile* infections in hospitals. She is proficient in the use of the SAS and R software packages and has created visual products for presentations using tools that include Tableau, Canva, and PowerPoint. She also has produced REDCap reports and dashboards for benchmarking metrics.

Mrs. Gauthier developed a dataflow manual for the Michigan Division of Environmental Health to be used in departmental health studies that included guidelines on writing code for cleaning and organizing data and creating data warehousing structures. As an intern while pursuing her master's degree, she completed a white paper on the availability of blood lead data in Michigan and their potential use in state policymaking, and she also compiled Oakland County lead and copper data into a single database for use by county personnel.

EDUCATION AND DEGREES EARNED

2020 M.P.H., School of Public Health, University of Michigan

2018 B.S., Public Health, South Carolina Honors College, University of South Carolina

SELECTED PROFESSIONAL EXPERIENCE

Data Analysis

Supported internal and external clients on data analysis projects, including developing data products and identifying trends. Analyzed data from a variety of sources (governmental, hospital, surveys) for a range of projects.

Used R and SAS software packages to create visualizations and analyze data, creating visual products for presentations using Tableau, Canva, and PowerPoint. Established more efficient methods for using software, such as writing streamlined SAS code and revamping Tableau structures.

Managed the flow of large batches of data for several projects, including processing, cleaning, organizing and reporting the data. Trained and managed technicians who performed quality checks and assisted in mailing results letters. Produced REDCap reports and dashboards for benchmarking metrics.

Developed a data flow manual for departmental health studies.

Ran quality assurance testing on data processing systems.

Intern and Research Assistant

Wrote a white paper on the available blood lead data in Michigan and their potential use in state policymaking, which included researching the extent of information available on lead in drinking water nationally. Compiled a single database of Oakland County lead and copper data for use by county personnel.

Identified population health impacts of certain transportation policies in Seattle, Washington, and examined the correlation between noise exposure and health.

Assessed working conditions in a beverage warehouse and waste-transfer facility to improve health and safety for union workers, completing detailed safety reports for two facilities and developing contract language to be used in collective bargaining.

PUBLICATIONS

Frankenfeld CL, Movva N, Hooda N, **Gauthier J**, Reichert H, Doepker C. 2026. Analysis of NHANES: Nutrient, food, and beverage intake of glucagon-like peptide-1 receptor agonist users with type 2 diabetes, 2007-2020. J Nutr 156(8):101685; doi: 10.1016/j.tjnut.2026.101685. PMID: 42331063.

PROTOCOL REGISTRATIONS

Bylsma L, Suh M, Movva N, Pastula S, **Gauthier J**, Itlzer R, Harrington A. 2026. Protocol for systematic literature review of efficacy/effectiveness, safety, and long-term impact of supportive care treatment in adults with primary mitochondrial diseases. PROSPERO 2026:CRD42026143005. Available from: https://www.crd.york.ac.uk/PROSPERO/view/CRD420261434005.