

Lillian Jensen, MPH

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EDUCATION

Master of Public Health - Epidemiology
Bachelor of Science - Microbiology

Michigan State University
Michigan State University

April 2024
May 2014

PROFESSIONAL EXPERIENCE

Communicable Disease Surveillance Analyst

Dec. 2023 – Present

Kent County Health Department (Privately Contracted)

- Evaluated and improved surveillance data reporting procedures in collaboration with the county Communicable Disease Epidemiologist.
- Provided data dashboard engineering and support services to enhance surveillance data dissemination in the community.

Communicable Disease Surveillance Intern

Apr. 2023 – Sept. 2023

Kent County Health Department

- Led a Quality Improvement initiative to modernize surveillance data sharing.
- Increased report-building efficiency by 94% through the engineering of an automated data management tool.
- Designed an interactive and intuitive data dashboard to promote the efficacy of surveillance data reporting.
- Conducted disease surveillance case investigations via phone interviews and MDSS charting.

Managing Editor

Nov. 2022 – Aug. 2023

MSU C. S. Mott Department of Public Health

- Coordinated the production of the MPH student newsletter
- Increased readership by 15% through analytics-driven changes in newsletter design

PUBLICATIONS / PRESENTATIONS

Jensen, L. (2024). Practice Networking Panel Discussion [invited panelist]. RVPHTC Practicing Public Health in Region V Community of Practice.

Jensen, L. (2023). Climate Change: A Ticking Lyme Bomb. *Journal of Student Research*, 12(3).
<https://doi.org/10.47611/jsr.v12i3.1986>

Jensen, L. (2022). Climate Change: A Ticking Lyme Bomb [poster presentation]. APHA 2022 Annual Meeting & Expo. <https://LillianJensen.com/apha-poster/>

Jensen, L. (2013). Characterization of the Human Gut Microbiome [poster presentation].

PROJECTS

Forecasting Influenza with Digital Data in Kent County, MI

Spring, 2024

MPH Capstone – Original Research

- Created a predictive model of Influenza-Like Illness in Kent County, MI, using heterogeneous internet data streams with traditional syndromic surveillance data

Data Modernization in Local Public Health: A Case Study

Summer, 2023

MPH Applied Practice Experience – Original Research

- Examined the impact of data dashboarding and automation on operational efficiency in local public health

Climate Change: A Ticking Lyme Bomb

Spring, 2022

MPH Course Project – Original Research

- Executed novel research examining the relationship between climate change and rising Lyme incidence in Michigan
- Created database of county-level climatic indicators for Michigan over a 20-year period
- Presented findings at the 2022 APHA Annual Meeting & Expo and published in the Journal of Student Research.

PROFESSIONAL CERTIFICATES

Advanced Data Analytics	Grow with Google X Coursera	Aug. 2023
Business Intelligence	Grow with Google X Coursera	Aug. 2023
Data Analytics	Grow with Google X Coursera	May 2023
Data Science	IBM Skills Network X Coursera	Oct. 2022

TECHNICAL SKILLS

- | | | |
|--------------------|--------------------|-------------|
| - Python | - SQL | - Clipchamp |
| - Jupyter Notebook | - Git/GitHub | - Photoshop |
| - R, RStudio | - Microsoft Office | - Mailchimp |
| - PowerBI | - SPSS | |

LEADERSHIP

Elected Executive Student Representative Feb. 2023 – Aug. 2023
MSU Charles Stewart Mott Department of Public Health Executive Committee

Co-creator & Lead Organizer July 2013 – July 2019
DangerZone: A Community Health Harm-Reduction Initiative

- Developed and implemented a community capacity-building harm reduction initiative.
- Facilitated social behavior change through health education and community engagement.
- Built safe spaces to provide peer-to-peer support and acute, needs-based aid.
- Prevented and reduced overdose by providing substance testing services and education.

AWARDS / HONORS

- Student Support & Training Scholarship, C.S. Mott Department of Public Health, MSU, 2023
- CoP Membership & Funding, Region V Public Health Training Center, 2023
- Conference Presentation Scholarship, NIEHS, APHA 2022
- Acknowledgement in Research Publication: *Cultivation of stable, reproducible microbial communities from different fecal donors using minibioreactor arrays (mbras)*, 2015
- Research Fellowship, UBM: Integrated Analysis of Genetic and Cellular Networks, 2011

MEMBERSHIPS / AFFILIATIONS

- American Public Health Association, Volunteer Abstract Reviewer
- U-M Injury Prevention Center
- Kent County Health Equity Council
- National Society of Collegiate Scholars, Alumni Member