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# Kendra Helm

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## Skills

- Statistical Analysis
- Data Visualization
- Public Speaking
- Staff Management
- Marketing Strategies
- Program Budgeting
- Grant Writing
- Report writing

## Accomplishments

- Promoted from Informatics Epidemiologist I to Informatics Epidemiologist II, in less than 6-months.
- Earned a "Fundamentals of Visualization with Tableau" certificate from UC Davis.
- Created social media graphics that were shared by the Kentucky Department for Public Health on platforms such as Facebook and Twitter.

## Experience

Kentucky Department for Public Health

September 2023 to Current

### Data Scientist

Frankfort, KY

- Creates Tableau dashboards to communicate with stakeholders as well as Kentucky Residents.
- Collaborates with Public Health partners across multiple divisions to understand their data needs and develop solutions accordingly.
- Utilizes advanced analytics tools such as SAS and Excel to manipulate large volumes of structured and unstructured data sets.
- Provides technical support for existing reports, dashboards or other tools.
- Analyzes large datasets to identify trends, patterns and correlations for various projects (Childhood Immunizations Survey, Pregnancy Risk Assessment Monitoring System Survey, etc).
- Sends several reports (Influenza-like Illness, Exposure, and Respiratory) by developing scripts using R.

Kentucky Department for Public Health

April 2022 to September 2023

### Informatics Epidemiologist II

Frankfort, KY

- Utilized data visualization tools such as Tableau to make clear and concise visual representations of data.
- Assisted in the transition from an KY-IBIS platform to a more user-friendly and modern platform named Tableau Enterprise.
- Collaborated with internal and/or external stakeholders to assess, select, and recommend more complex solutions and/or alternative approaches that will achieve business goals.
- Generated environmental health reports on topics such as COVID-19, influenza-like illnesses, respiratory and environmental illnesses utilizing R-studio.
- Performed data cleaning, organization, and management utilizing Excel.
- Served on workgroups (Informatics/Tableau, Data Modernization, and Syndromic Surveillance) that work to improve that data modernization initiative implemented by the Centers for Disease Control and Prevention (CDC).
- Served as a co-lead on the Career Development workgroup regarding Building Epidemiologic Capacity in Kentucky (BECKY).

Kentucky Department for Public Health

December 2021 to April 2022

### Informatics Epidemiologist

Frankfort, Kentucky

- Delivered four data modernization reports to the Centers for Disease Control and Prevention; detailing successes and challenges in each project while recommending corrective actions.
- Utilized editing and graphic design tools to create content and visuals for social channels. Content consisted of messaging in regard to topics such as: Radon, Carbon Monoxide, Cancer, Asthma, Flood management, etc.
- Participated in a multitude of program workgroups (program and marketing outreach, syndromic surveillance and Tableau creation) that improved coordination among the various segments of the organization.
- Managed environmental health mini-grants projects for 10 local health departments across the state of Kentucky.
- Collaborated with various departments and within the Division of Public Health to create work products that promoted the data modernization initiative.

Kentucky Department for Public Health

May 2020 to December 2021

**Disease Investigator/COVID-19 Contact Tracer**

Frankfort, KY

- Conducted interviews with laboratory confirmed, probable, and suspected diagnoses of COVID-19.
- Provided patients with instructions for isolation and makes appropriate referrals to testing, clinical services, and other essential support services, as indicated.
- Integrated interview information into a software, National Electronic Disease Surveillance System (NEDSS) to ensure all cases, positive and probable are accounted for.
- Investigated clusters and outbreaks to identify source of infection, educating healthcare personnel regarding short and long term control measures.
- Utilized appropriate methods for interacting effectively and professionally with persons of all ages and from various cultural, socioeconomic, educational, racial and ethnic backgrounds, lifestyles and physical abilities.

Kentucky Department for Public Health

February 2020 to May 2020

**Program Marketing and Outreach Intern**

Frankfort, KY

- Implemented community outreach and engagement plans to reach vulnerable communities.
- Generated flyers, social media content and info-graphics on environmental health communication products regarding pertinent health topics in Kentucky
- Facilitated weekly meetings to discuss internal operational issues, current events, impacting community and advocacy.
- Conducted research through the Kentucky Environmental health database to investigate and examine pertinent health trends impacting residents within the Eastern Kentucky.
- Collaborated with community-based organizations and key stakeholders to address community initiatives.

Eastern Kentucky University - Campus Recreation

August 2018 to May 2020

**Health Promotion Graduate Assistant**

Richmond, KY

- Successfully created and organized 2 large-scale Health Promotion events each semester. Each event garnered 100+ participants which increased program participation by 5%.
- Collaborated with campus and community stakeholders/partners to drive improvements to help with increasing Health Promotion initiatives.
- Reduced program expenses 5% by implementing cost reduction strategies and program initiatives.
- Analyzed qualitative and quantitative data from Health Promotion events and educational sessions to enhance program materials and education.
- Managed and supervised 20+ undergraduate students throughout the duration of a two year span. Increased employee retention by 2%.
- Educated college students on Public Health topics. Successfully executed 2 presentations per week.

Eastern Kentucky University - Campus Recreation

January 2018 to May 2018

### **Health Promotion Intern**

Richmond, KY

- Tracked and monitored student participation rate within the Health Promotion department by utilizing CSI, a software for generating and examining project statistics.
- Oversaw development and implementation of health programs, initiatives and assessments.
- Promoted public health initiatives through media collaborations, social media and press releases.
- Coordinated all facets of the program, including curriculum development, presentations, trainings, volunteer management and staff recruiting.
- Created marketing materials and publicized events through social media.

### **Education and Training**

Eastern Kentucky University

December 2020

**Master of Public Health: Health Promotion**

Richmond, Kentucky

Eastern Kentucky University

May 2018

**Bachelor of Science: Public Health**

Richmond, Kentucky

### **Certifications**

- CPR Instructor - 2018
- KPHAST - 2018
- FEMA - 2018
- Fundamentals of Visualizations with Tableau - 2023

### **Websites, Portfolios, Profiles**

- <https://healthtracking.ky.gov/Topics/immunizations/Pages/childhood-immunizations.aspx>
- <https://healthtracking.ky.gov/Topics/prams/Pages/default.aspx>