

Education

MASTER OF PUBLIC HEALTH | University of Kentucky
Environmental Health/Epidemiology

Aug 2019

BACHELOR OF ARTS | University of Kentucky
Philosophy

Aug 2017

Professional Certificates

GOOGLE DATA ANALYTICS SPECIALIZATION | Coursera [Certification](#)

Apr 2025

Skills

- Programming & Tools: SQL, SAS, Alteryx, MS Excel, ArcGIS, Smartsheet
- Data Visualization: Tableau, Power BI
- Databases & Data Standards: Teradata, PostgreSQL, HL7, LOINC, SNOMED, CPT/HCPCS
- Professional Skills: Data Cleaning, Statistical Analysis, ETL processes, Business Analytics, Report Development, Stakeholder Communication, Cross-functional Collaboration

Work Experience

BUSINESS ANALYST III – Texas Department of State Health Services | Austin, TX

Jan 2025 – Mar 2025

- Led data analysis of HIV/STD electronic lab report submissions using SAS/SQL queries, identifying volume anomalies in stakeholder data submissions and recommending process improvements to ensure external stakeholder adherence to state reporting guidelines.
- Collaborated with internal IT partners to address data ingestion issues and participated in internal UAT testing to ensure changes implemented addressed the presented problems.
- Validated post-deployment data ingestion workflows, diagnosing data quality issues and supporting resolution strategies.
- Executed HL7 quality assurance checks to support healthcare facility onboarding and ensure data integrity.

ANALYTICS CONSULTANT – Health Care Service Corporation (HCSC) | Chicago, IL

Jan 2023 - Jan 2025

- Designed Alteryx workflows for ETL processes for multi-state medical claims analysis, automating data cleansing and transformation processes to improve data accuracy and reduce reporting turnaround time.
- Built and optimized SQL queries in Teradata to retrieve large datasets for regulatory submissions and ad hoc analyses.
- Developed and automated Tableau dashboards to track and visualize cost saving and performance across product lines and markets, ensuring information is concise and digestible for summation of key insights.
- Collaborated with vendors and stakeholders to validate reporting methodologies, influence decisions, and deliver detailed analytic reports of provide/member data.
- Conducted trend analyses utilizing data lakes and warehouses to model cost drivers via SQL, supporting executive-level business strategies.

HEALTH INFORMATICS SPECIALIST III – Texas Department of State Health Services | Austin, TX

Aug 2021 - Jan 2023

- Managed ELR-submitter onboarding efforts, offering technical assistance and EHR integration support.
- Created Excel mapping and validation tools, utilizing XLOOKUP and connected worksheets to streamline LOINC/SNOMED code standardization for vendor reportable disease data analysis and submission.
- Developed Alchemer-based assessment tools and data solutions in collaboration with epidemiologists.
- Performed backend data analysis of ELR submissions to ensure efficient data transmission and to identify potential lag in offloading of data into the National Electronic Disease Surveillance System (NEDSS)

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EPIDEMIOLOGIST II– Texas Department of State Health Services | Austin, TX

Mar 2021 - Aug 2021

- Acted as vaccine-preventable disease SME for internal and external stakeholders, fielding questions from and educating healthcare practitioners, local media, and other government/non-government stakeholders, when necessary, on reporting requirements and disease prevalence.
- Fulfilled public information requests and internal information requests via ad hoc reports generated from NEDSS reportable disease investigation data, de-identifying when necessary and supplementing internal data requests with charts and other insights gathered from analysis of the data.
- Generated weekly Excel reports to discover trends in disease prevalence and reported emerging outbreaks to key Central Office leadership to guide response efforts.
- Conducted quarterly audits and reporting for the CDC, ensuring data accuracy and completeness.

EPIDEMIOLOGIST I– Texas Department of State Health Services | Austin, TX

Jul 2020 - Mar 2021

- Provided subject matter expertise for vaccine-preventable disease surveillance and outbreak response across Texas under guidance from lead Epi.
- Completed consultations with external stakeholders including local/regional health departments, labs, medical professionals and the CDC, acting as an aid and liaison during the investigation of VPDs, case reporting and outbreak investigations
- Conducted quarterly QA reviews of case investigations across all VPD NEDSS entries for detection of missing/incomplete data and adherence to DSHS/CDC case definitions prior to annual report
- Managed Access/Excel databases and datasets related to COVID-19 cases, constructing analyses and reports from insights

REGIONAL EPIDEMIOLOGIST I– Kentucky Department for Public Health | Frankfort, KY

Oct 2019 - Jul 2020

- Conducted epidemiological surveillance of reportable diseases over an 8-county region in Central Kentucky, utilizing NEDSS for investigation logging and case follow-up and Excel for analysis of disease data, recommending interventions when necessary, based on results.
- SME for state/nationally notifiable conditions and emerging pathogens for local health department (LHD) and community stakeholders, which included educating individuals on updates in protocol(s), and provided recommendations for actions pre/post investigations/outbreaks
- Facilitated bi-weekly meetings with Epi Rapid Response Team (ERRT) members across jurisdiction during outbreaks to address updates to KDPH and CDC guidance and upcoming training
- Collaborated with LHD Directors and preparedness coordinators to update various emergency planning documentation and procedures, including COOP, and designed presentations and other educational materials for community members and officials when necessary

Additional experience can be viewed on my [LinkedIn](#)