

Education

MASTER OF PUBLIC HEALTH (MPH) –University of Kentucky – Lexington, KY
Major: Epidemiology/Environmental Health

Aug 2017

Professional Certificates

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

Apr 2025

Skills

- Programming & Tools: SQL (Teradata), SAS, Alteryx, Tableau, MS Excel, MS Power BI, ArcGIS, Smartsheet
- Data Standards: HL7, LOINC, SNOMED, CPT/HCPCS
- Systems: NEDSS
- Professional Skills: Data Visualization, 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 analysis of HIV/STD electronic lab report (ELR) submissions using SAS queries, identifying volume anomalies and recommending corrective actions to ensure facility adherence to reporting guidelines.
- Validated post-deployment data ingestion workflows, diagnosing data quality issues and supporting resolution strategies.
- Executed HL7 quality assurance checks (via HL7 Soup) to support healthcare facility onboarding and ensure data integrity.

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

Jan 2023 - Dec 2024

- 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 interactive 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 - Dec 2022

- Managed ELR-submitter onboarding efforts, offering technical assistance and EHR integration support.
- Created Excel mapping and validation tools, utilizing VLOOKUP and connected worksheets to streamline LOINC/SNOMED code standardization for vendor reportable disease data submission.
- Developed Alchemer-based assessment tools and data solutions in collaboration with epidemiologists.

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

Jul 2020 - Aug 2021

- Provided subject matter expertise for vaccine-preventable disease surveillance and outbreak response across Texas.
- Created ad hoc reports and generated insights using NEDSS case data to report emerging outbreaks and guide response efforts.
- Conducted quarterly audits and reporting for the CDC, ensuring data accuracy and completeness.

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