

Mary E. Tipton

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Education

University of North Texas Health Science Center / [Master of Public Health in Epidemiology](#)

- Relevant Coursework: Infectious Disease Epidemiology, Epidemiologic Surveillance, Data Management and Statistics, Applied Data Analysis in Epidemiology, GIS and Health, Medical Geography, Survey Research and Questionnaire Design

Texas A&M University / [Bachelor of Arts in History](#)

Skills

Office Software Proficiencies:

Microsoft Office Suite

Google Suite

Data Analysis Programs:

Microsoft Excel

SAS data analysis software

R programming language

GIS mapping software

Experience

Gatesville Independent School District / [Math Interventionist](#)

2019 – 2020 Gatesville, TX

- Improved mathematical and reasoning skills of 60+ students in grades 4-6 through research led small group instruction
- Identified individual needs of students to guide instruction and target deficient areas of math knowledge
- Used research-based methods to structure classes appropriate to each grade level
- Collaborated continuously with grade level math departments to adjust student instruction and interventions
- Provided morning math tutorials for entire student population
- Wrote a grant application for math manipulatives to enhance student instruction
- Coached 6th Grade UIL Calculators and Music Memory Teams
- Supervised weekly Drama Club meeting

Texas Department of State Health Services / [Program Specialist III- Zoonosis Control](#)

2018 – 2019 Temple, TX

- Performed case investigations on all animals who had non-negative Rabies laboratory results reported within the region
 - Provided risk assessments and guidance on post-exposure prophylaxis to potentially exposed humans and animals
- Performed case investigations for reportable zoonotic diseases in humans
- Oversaw quality assurance on case investigations performed by local health departments
- Created tables and visualized case data for weekly and quarterly disease reports
- Performed quality assurance on data in case investigation databases
- Inspected animal quarantine facilities to enforce requirements laid out in the Texas Health and Safety Code
- Assisted in planning and presenting Animal Control Officer Basic and Continuing Education courses
- Provided education to the public on topics including Chagas and tick-borne diseases
- Staffed the 24/7 emergency call phone line

Tarrant County Public Health / Medical Reserve Corps Volunteer

2017 – 2018 Fort Worth, TX

- Performed community faced investigations for Campylobacter, Salmonella, and Shigella infections reported in Tarrant County
- Performed interviews with Tarrant County residents for a Sick Building Syndrome investigation
 - Made over 100 interview calls
 - Assisted with data gathering for analysis team
 - Presented findings to analysis team in comprehensive verbal review
- Assisted Tuberculosis Department with chart reviews for reporting project
- Scheduled client appointments for the Women, Infants, and Children Program
- Worked with WIC Program on data quality analysis of new reporting system

JPS Health Network / Infection Prevention & Control Intern

September 2017 – December 2017 Fort Worth, TX

- Performed literature review of hand hygiene compliance in inpatient settings and its relationship to healthcare associated infections
- Designed methodology and performed data collection for a cross-sectional study on hand hygiene compliance in Critical Care Units
 - Using Google Forms to electronically collect information
- Performed data cleaning and statistical analysis on primary data
- Communicated results of study to staff and community audiences through oral presentation and poster session
- Made recommendations for modifications to hand hygiene education for JPS system staff to increase the rate of compliance
- Rounded on inpatient units to assess hand hygiene protocol compliance and collect data for internal surveillance
- Assisted in hand hygiene education at JPS system new hire orientation
- Participated in environment of care inspections to check for compliance to Infection Prevention protocol

- Participated in surgical site infection surveillance for reporting to the National Healthcare Safety Network (NHSN)

Certifications and Trainings

- **Certified in Public Health from the National Board of Public Health Examiners** / December 2017
- **Federal Emergency Management Agency (FEMA)**
 - Introduction to Incident Command System (IS-00100.B) / May 2018
 - ICS for Single Resources and Initial Action Incidents (IS-00200.B) / May 2018
 - Intermediate Incident Command System for Expanding Incidents (G300) / June 2019
 - Advanced Incident Command System, Command and General Staff (G400) / June 2019
 - National Incident Management System (NIMS) Introduction (IS-00700.A) / February 2017
 - National Response Framework, An Introduction (IS-00800.C) / May 2018
- **Collaborative Institutional Training Initiative (CITI Program)**
 - Human Subjects Research / August 2017
 - Conflicts of Interest / August 2017
 - Biomedical Research / September 2017
 - Humanitarian Use Devices (HUDs) / September 2017