



# Concepts of Epidemiology Workshop Series



## Presenter: Danielle Fastring

Danielle Fastring is an Assistant Teaching Professor at the University of Southern Mississippi in the School of Nursing and Health Professions where she teaches graduate courses in Epidemiology, Biostatistics, Environmental Health, and SAS programming. She received her PhD in Epidemiology from Tulane University School of Public Health and Tropical Medicine. She was a Fellow in the Maternal Child Health Epidemiology Doctoral Training Program sponsored by the Health Resources and Services Administration (HRSA).

Register [HERE](#)

### Workshop 1: Basic Concepts of Epidemiology

This workshop will focus on the essential skills of epidemiology. Articles representing specific study designs will be linked for participants' review prior to the workshop. After this workshop, participants will be able to:

- Explain the role of quantitative and qualitative methods in describing and assessing a population's health
- Discuss the science of primary, secondary and tertiary prevention in population health, including health promotion, screening, etc
- Discuss the common study designs utilized in public health research, along with their strengths and weaknesses, and appropriate measures of association

**JUNE  
08**  
10 AM - 12 PM  
CST

Register [HERE](#)

### Workshop 2: Intermediate Concepts of Epidemiology

This workshop will focus on intermediate skills of epidemiology including statistical interpretation and concepts of program evaluation. After this workshop, participants will be able to:

- Explain the critical importance of evidence in advancing public health knowledge
- Interpret statistical results presented in research articles
- Apply basic evaluation concepts to determine program effectiveness

**JUNE  
10**  
10 AM - 12 PM  
CST

Register [HERE](#)

### Workshop 3: Advanced Concepts of Epidemiology

This workshop will focus on applying epidemiological skills to grant writing. Specifically, the workshop will focus on developing the needs assessment section when writing a grant proposal. After this workshop, participants will be able to:

- Compose a strong problem statement specific to a prioritized population
- Locate relevant data at an appropriate scale to justify need
- Develop a strong rationale for funding
- Set realistic and measureable project goals
- Locate information surrounding evidence-based practices for a variety of topic areas

**JUNE  
15**  
10 AM - 12 PM  
CST

The Mississippi Public Health Institute, serving as the Community-Based Training Partner for the Region IV Public Health Training Center at Emory University presents a series of virtual epidemiology workshops. All workshops will feature interactive skill building exercises and will include a closing Q&A session.