

**University of South Florida, College of Public Health
Department of Epidemiology and Biostatistics**

MPH: EPIDEMIOLOGY

The MPH program in Epidemiology is a professional degree, intended for individuals who wish to obtain a broad understanding of public health, with an emphasis on epidemiologic principles and methods. The knowledge and skills obtained through the program will enable graduates to seek positions that characterize the health status of communities, critically evaluate research on determinants of health-related events, formulate strategies to evaluate the impact of health related interventions and foster the application of epidemiologic methods for health promotion/disease prevention activities at the community level.

Competencies: In addition to the overall **Master of Public Health** degree competencies, graduates with a concentration in *Epidemiology* will:

Epidemiologic Principles and Methods

1. Describe and discuss the history and theory of epidemiology
2. Identify, describe and discuss the public health problems in terms of magnitude, person, time and place.
3. Assess, synthesize and critically evaluate epidemiologic scientific literature.
4. Describe and discuss strengths and limitations of experimental and observational study designs.
5. Describe and discuss basic epidemiologic principles of infectious and chronic disease research.
6. Identify and discuss risk factors and their relationships to health outcomes.
7. Demonstrate proficiency in basic and intermediate epidemiologic methods and principles.

Data Management and Statistical Methods

8. Demonstrate proficiency of data management and processing.
9. Demonstrate proficiency in data analysis and appropriate interpretation of results.

Epidemiologic Practice

10. Identify and discuss ethical and legal principles in the design, collection, use and dissemination of epidemiologic data and public health research.
11. Apply epidemiologic knowledge and skills in a public health setting.
12. Conduct a guided epidemiologic project or critical synthesis of the epidemiologic literature
13. Synthesize and apply knowledge in the core areas of public health.

College of Public Health - Program Curriculum Check Sheet

Name:			Dept:	EPB		
Advisor:			Degree:	MPH		
Semester/Year Accepted:			Concentration:	Epidemiology		
Any grade below a C (C- to F) is required to be retaken. The grade will be included in the student's GPA.						
College Core Courses			Total Needed	15	Grade	Sem/Yr Taken
PHC	6000	Epidemiology	3			
PHC	6050	Biostatistics I	3			
PHC	6102	Principles of Health Policy and Management	3			
PHC	6357	Environmental and Occupational Health	3			
PHC	6410	Social and Behavioral Sciences Applied to Health	3			
<p align="center">During 2nd semester meet with advisor and begin planning field experience. See http://health.usf.edu/publichealth/academicaffairs/fe/</p>						
Required Concentration Courses			Total Needed	18		
PHC	6051	Biostatistics II	3			
PHC	6010	Epidemiology Methods I	3			
PHC	6011	Epidemiology Methods II	3			
PHC	6701	Computer Applications for Public Health Researchers	3			
PHC	6190	Public Health Database Management	3			
PHC	6053	Categorical Data Analysis	3			
Emphasis Area Support Courses			Total Needed	9		
Culminating Experiences			Total Needed	1-18		
PHC	6945	Supervised Field Experience (1-12 credits)				
PHC	6977	Special Project	3			
PHC	6936	Public Health Capstone Course	3			
Minimum 48 credit hours (not including field experience)			Total GPA Hours			GPA
			Total Hours Attempted			