

## Milken Institute School of Public Health

THE GEORGE WASHINGTON UNIVERSITY

## Department of Epidemiology Master of Public Health EPIDEMIOLOGY 2026-2027

Note: All curriculum revisions will be updated immediately on the website <http://www.publichealth.gwu.edu>

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### Mission/Goals

The mission of the MPH Epidemiology Program is to educate graduate students by developing the necessary methodological and quantitative skills to work successfully in the field. While nurturing students' capacity to think critically and creatively, we strive to deepen their commitment to improving the public's health and to engaging in and promoting public service qualities we believe are essential for future epidemiologists and public health practitioners.

### Goals

The goals of the Epidemiology Program are to ensure that graduates:

- Understand and adhere to high scientific standards for research;
- Understand and follow guidelines for ethical treatment of research participants;
- Can communicate research findings to a lay audience; and
- Respect cultural diversity throughout all of the above.

### Program-Specific Competencies

Upon completion of the MPH Program in *Epidemiology* students should possess the following program competencies:

- Manage datasets from epidemiological studies using statistical software.  
Relevant courses: PUBH 6260
- Identify and assess patterns of disease to postulate hypotheses and to identify appropriate strategies in order to evaluate the impact of health problems.  
Relevant courses: PUBH 6015, 6247, 6252
- Conduct and interpret data analyses from epidemiological studies to address research questions.  
Relevant courses: PUBH 6247, 6252, 6015, 6260
- Plan and design an epidemiologic study to include observational or experimental design.  
Relevant courses: PUBH 6247, 6252, 6015.
- Evaluate epidemiologic studies and identify limitations and sources of bias.  
Relevant courses: PUBH 6247, 6252, 6015
- Synthesize data and literature to communicate findings.  
Relevant courses: PUBH 6247, 6853, 6252, 6260, 6015, 6252

## **Graduation Requirements**

All students accepted to this MPH program must follow the policies and regulations outlined in the [GW Bulletin](#) and the [GWSPH Student Handbook](#). This includes, but is not limited to:

- Minimum Grade Point Average (GPA)
- Minimum Course Grades
- Continuous Enrollment
- Maximum Time to Degree
- Required Minimum Degree Credits
- Transfer Credit Policy
- CITI Training
- Integrity Quiz and Plagiarism
- Professional Enhancement (PE) Hours
- Interprofessional Education (IPE) Experience
- Applied Practice Experience (Practicum)
- Culminating Experience (e.g., CE)

***Begin Planning Your Practicum During  
Year 1***

<b>Required Core Courses (19 credits)</b>		<b>Credits</b>	<b>Semester Offered</b>
PUBH 6000	MPH Applied Practice Experience	0	Fall, Spring, Summer
PUBH 6002	Biostatistical Applications for Public Health	3	Fall, Spring, Summer 10 weeks
PUBH 6003	Principles & Practice of Epidemiology	3	Fall, Spring, Summer 10 weeks
PUBH 6007	Social & Behavioral Approaches to Public Health	2	Fall, Spring, Summer I
PUBH 6009	Fundamentals of Program Evaluation	2	Fall, Spring, Summer I
PUBH 6011	Environmental and Biological Fundamentals of Public Health	3	Fall, Spring, Summer 10 weeks
PUBH 6012	Fundamentals of Health Policy	2	Fall, Spring, Summer I
PUBH 6021	Essentials of Public Health Practice & Leadership 1	1	Fall, Spring, Summer I
PUBH 6022	Essentials of Public Health Practice & Leadership 2	1	Fall, Spring, Summer I
PUBH 6023	Interprofessional Education Experience	0	Fall, Spring, Summer
PUBH 6015	Culminating Experience	2	See Advisor
<b>Required Epidemiology Departmental Courses (12 credits)</b>			
PUBH 6247	Epidemiologic Methods 1: Design of Health Studies	3	Fall, Spring
PUBH 6853	Use of SAS for Data Management and Analysis	3	Fall, Spring
PUBH 6252	Epidemiologic Methods 2: Advanced Epidemiology Methods	3	Fall, Spring
PUBH 6260	Applied Epidemiologic Data Analysis	3	Fall, Spring
<b>Additional Required Program-Specific Selective Courses (at least 4 credits)- <i>Select from list below</i></b>			
Note: Other courses not listed below will be considered, however require advanced advisor approval/petition.			
PUBH 6230	Epidemiology of Psychiatric Disorders	2	Spring
PUBH 6237	Chronic Disease Epidemiology	2	Fall
PUBH 6241	Nutritional Epidemiology	2	Fall
PUBH 6242	Clinical Epi and Public Health: Reading the Research	2	Spring
PUBH 6244	Cancer Epidemiology	2	Spring
PUBH 6245	Infectious Disease Epidemiology	2	Spring
PUBH 6248	Epidemiology of Aging	2	Fall
PUBH 6250	Epidemiology of HIV/AIDS	2	Fall alternate years
PUBH 6251	HIV Prevention Epidemiology and Methods	2	Fall alternate years

PUBH 6259	Epidemiology Surveillance in Public Health	2	Spring
<b>Program-Specific Electives (4 credits)- <i>Select from list below</i></b>			
Note: There are additional elective courses not listed here that might be appropriate. Enrollment in one of these possible alternative courses requires advanced advisor approval/petition.			
PUBH 62xx	Any Epi course	1-3	Fall, Spring, Summer
PUBH 68xx	Any DBB course	1-3	Fall, Spring, Summer
PUBH 6121	Environmental and Occupational Epidemiology	3	Fall/Spring
PUBH 6127	Introduction to Environmental Health Microbiology	2	Fall
PUBH 6484	Prevention and Control of Vector Borne Disease	2	Spring
PUBH 6455	Global Vaccinology	3	Fall
PUBH 6486	Global Health Programs and Approaches to the Control of Infectious Diseases	2	Fall
PUBH 6492	Global Health Programs and Approaches to the Control of Chronic Diseases	2	Spring
EXNS 6208	Physical Activity: Physiology and Epidemiology	2	Fall/Spring
PUBH 6047	Systematic Reviews to Synthesize Evidence in Public Health Practice	1	Varies
<b>Other Electives- any SPH graduate level course</b>		<b>6</b>	Varies
<b>Course Distribution</b>		<b>Credits</b>	
Public Health Core Courses		17	
Culminating Experience		2	
Required Departmental Courses		12	
Required Program-Specific Courses		4	
Program-Specific Electives		4	
School of Public Health Electives		6	
<b>Total Degree Credits</b>		<b>45</b>	

**Course Descriptions and Registration** information can be found on the website:  
<http://publichealth.gwu.edu/academics/>.

## **SAMPLE SCHEDULE for MPH in Epidemiology- 45 credits**

Table 1. *Sample Full-time Schedule - All course times are tentative.*

### **Fall Semester 1<sup>st</sup> year (9-11 credits)**

PUBH 6002 (3 credits)

PUBH 6003 (3 credits)

PUBH 6021 (1 credit)

Select from PUBH 6007, PUBH 6011, and PUBH 6012 (2-3 credits)

### **Spring Semester 1<sup>st</sup> year (9-11 credits)**

PUBH 6247 and/or PUBH 6853 (3-6 credits)

Select from PUBH 6007, PUBH 6009, PUBH 6011, PUBH 6012, PUBH 6022

(2-5 credits)

Select PUBH 6xxx (2-4 credits) Epidemiology Content Course; Epi or SPH electives

### **Summer 1<sup>st</sup> year (4-6 credits)**

Select from PUBH 6007, PUBH 6009, PUBH 6011, PUBH 6012, PUBH 6022 (2-5 credits)

Select PUBH 6xxx (1-4 credits) Epi or SPH electives

### **Fall Semester 2<sup>nd</sup> year (9-11 credits)**

PUBH 6247 or PUBH 6853 (if needed) (3 credits)

Select from PUBH 6260 or PUBH 6252 (3 credits)

Select from PUBH 6007, PUBH 6009, PUBH 6011, PUBH 6012, PUBH 6022(2-3 credits to finish core)

Select PUBH 6xxx (2-4 credits) Epidemiology Content Course; Epi or SPH electives

PUBH 6000 (0 credits)

PUBH 6023 (0 credits)

### **Spring Semester 2<sup>nd</sup> year (9-11 credits)**

Select from PUBH 6260 or PUBH 6252 (3 credits)

PUBH 6015 (2 credits)

Select PUBH 6xxx (2-4 credits) Epidemiology Content Course; Epi or SPH electives

### **Summer Semester 2<sup>st</sup> year (2-4 credits)**

Select PUBH 6xxx (2-4 credits) Epidemiology Content Course; Epi or SPH electives

*Table 2. Sample Part-time Schedule for 8-semester Completion (Fall start / May completion) - All course times are tentative*

**Fall Semester 1<sup>st</sup> year (7 credits)**

PUBH 6002 (3 credits)  
PUBH 6003 (3 credits)  
PUBH 6021 (1 credit)

**Spring Semester 1<sup>st</sup> year (6 credits)**

Select 2 courses from PUBH 6007, PUBH 6011, and PUBH 6012 (2-6 credits)

**Summer 1<sup>st</sup> year (3 credits)**

Select from PUBH 6007, PUBH 6009, PUBH 6011, and PUBH 6012 (2-3 credits) or  
Select PUBH 6xxx (1-3 credits) Epi or SPH electives

**Fall Semester 2<sup>nd</sup> year (7 credits)**

PUBH 6247 and/or PUBH 6853 (3-6 credits)  
Select from PUBH 6007, PUBH 6009, PUBH 6011, PUBH 6012, PUBH 6022 (2-4 credits)

**Spring Semester 2<sup>nd</sup> year (7 credits)**

PUBH 6247 and/or PUBH 6853 (3-6 credits)  
Select from PUBH 6007, PUBH 6009, PUBH 6011, PUBH 6012, PUBH 6022 (2-4 credits)

**Summer 2<sup>nd</sup> year (3 credits)**

Select from PUBH 6007, PUBH 6009, PUBH 6011, and PUBH 6012 (2-3 credits) or  
Select PUBH 6xxx (1-3 credits) Epi or SPH electives

**Fall Semester 3<sup>rd</sup> year (7 credits)**

Select from PUBH 6260 or PUBH 6252 (3 credits)  
Select PUBH 6xxx (2-4 credits) Epidemiology Content Course; Epi or SPH electives PUBH 6023 (0 credits)  
PUBH 6000 (0 credits)

**Spring Semester 3<sup>rd</sup> year (7 credits)**

Select from PUBH 6260 or PUBH 6252 (3 credits)  
PUBH 6015 (2 credits)  
Select PUBH 6xxx (2 credits) Epidemiology Content Course; Epi- or SPH electives