

# MEDICINE/PUBLIC HEALTH (MD/MPH)

Combine medical training with public health knowledge.

A degree in public health provides a broader lens through which to examine individual patient care. Physicians with a public health background look at how environments and community resources can contribute – or detract from – overall health and wellness. Our dual MD/MPH degree is offered by the Parkinson School of Public Health and the Stritch School of Medicine, and can be completed in five years. The MPH is accredited by the Council on Education for Public Health (CEPH).

## Related Programs

### Master's

- Public Health (MPH) (<https://catalog.luc.edu/graduate-professional/health-sciences/master-public-health-mph/>)

### Certificate

- Dietetic Internship Certificate (<https://catalog.luc.edu/graduate-professional/health-sciences/dietetic-internship-certificate/>)
- Public Health Certificate (<https://catalog.luc.edu/graduate-professional/health-sciences/public-health-certificate/>)

## Curriculum

The MD/MPH requires 42 credit hours towards the Master of Public Health program (six of which are transferred from electives in the MD program), practical experience in public health, and a capstone project.

### Doctor of Medicine Requirements

Degree requirements for the MD can be found on the Stritch School of Medicine website (<https://www.luc.edu/stritch/education/doctorofmedicine/>).

Students will begin the MPH curriculum during the summer before the first year of medical school (M0) and complete all eleven (11) didactic courses (33 credit hours). Six (6) credits are transferred from electives taken during year M3 or M4 in the MD program. A two-credit capstone project completed during a Stritch research elective or discretionary time in the M3 or M4 year. An applied practice experience in public health is required and can be completed during the M0 year.

The dual MD/MPH program focuses on health disparities and identifying strategies to minimize them. Loyola's Health Sciences Campus is located in Maywood. This underserved community provides a unique opportunity to promote health equity in our own community and collaborate with local groups to improve public health.

### Master of Public Health Requirements

Offered in-person, online, or hybrid, Loyola's MPH is a 42-credit curriculum. Online courses include both synchronous and asynchronous components. We offer concentrations in three study tracks: Epidemiology, Policy and Management, and Global Health Equity. The curriculum includes six core courses, concentration-specific courses, electives, and applied practice and integrative learning experiences.

### Online Learning

Convenient and rigorous, the online program is geared to working professionals, non-traditional students, and individuals who need a

more flexible learning format. Loyola University Chicago faculty with expertise in Public Health, Public Health Policy and Management, Environmental Health, Bioethics, Epidemiology, and Biostatistics teach in this program. The vast resources of Loyola's Parkinson School and the Health Science Campus, along with the combined knowledge and experience of distinguished faculty from medicine, social work, bioethics, health policy and law, will help you take on many opportunities and challenges.

Code	Title	Hours
<b>MPH Core Courses</b>		
MPBH 400	Determinants of Population Health	3
MPBH 402	Public Health Practice and Management	3
MPBH 403	Introduction to Epidemiology	3
MPBH 404	Biostatistics for Health and Biological Science	3
or MPBH 409	Biostatistics I	
MPBH 407	Public Health Policy: Concepts and Practice	3
MPBH 499	Public Health in Action	3
<b>MPH Track-Specific Curricula (p. 1)</b>		<b>15</b>
<b>MPH Electives</b>		<b>6</b>
Select two of the following: <sup>1</sup>		
MPBH 413	The Epidemiology of Obesity: An Energy Balance Perspective	
MPBH 426	Infectious Disease Epidemiology	
MPBH 432	Health Impact Assessment	
MPBH 495	Special Topics	
<b>Applied Practice Experience (p. 2)</b>		<b>1</b>
MPBH 410	MPH Practicum	
<b>Integrated Learning Experience (p. 2)</b>		<b>2</b>
MPBH 411	MPH Capstone	
<b>Total Hours</b>		<b>42</b>

<sup>1</sup> Selected courses from other schools/programs may satisfy MPH elective requirements.

## MPH Track-Specific Curricula (15 credits)

### Epidemiology

This hybrid program combines online and evening classes. Epidemiology is the basic science of public health: it helps us understand the causes of and solutions to diseases. This track equips students to design, conduct, analyze, and interpret population health research, while they learn the basic principles of all public health disciplines.

Code	Title	Hours
MPBH 412	Intro to Statistical Computing for Public Health	2
MPBH 421	Biostatistics II	3
MPBH 423	Intermediate Epidemiology	3
MPBH 427	Advanced Statistical Methods	1
MPBH 431	Grant Writing	3
Choose One Research Methods Course from the following:		3
MPBH 413	The Epidemiology of Obesity: An Energy Balance Perspective	
MPBH 414	Introduction to Global Health	
MPBH 433	Clinical Trials	
MPBH 434	Systematic Review and Meta-Analysis	

ENVS 480	Introduction to Geographic Information Systems	
<b>Total Hours</b>		<b>15</b>
<b>Global Health Equity</b>		
This concentration is a hybrid program of online and evening classes. Study the health of global populations with the ultimate goal of identifying and eliminating structures and practices of inequity and injustice to advance health equity for individuals and populations.		
<b>Code</b>	<b>Title</b>	<b>Hours</b>
MPBH 414	Introduction to Global Health	3
MPBH 417	Global Maternal & Child Health	3
MPBH 422	Population Health Planning & Management	3
MPBH 431	Grant Writing	3
Choose one of the following: <sup>1</sup>		3
BEHL 407	Social Determinants of Health and Bioethics	
BEHL 432	Global Bioethics	
<b>Total Hours</b>		<b>15</b>

<sup>1</sup> Students may choose an elective course not on this list with Track Director approval.

### Public Health Policy and Management

This concentration can be completed entirely online, and also can be taken with in-person courses. This curriculum studies the organization, structure, and delivery of health-related services, and associated population health outcomes. Students may customize their academic focus in either public health policy, administration, or both.

<b>Code</b>	<b>Title</b>	<b>Hours</b>
MPBH 416	Health Services Research Methods	3
MPBH 425	Policy Analysis	3
Choose one of the following		3
BEHL 402	Justice & Health Care	
BEHL 404	Biomedical Ethics and Law	
BEHL 407	Social Determinants of Health and Bioethics	
BEHL 411	Systems Ethics Frameworks	
BEHL 412	Organizational Ethics I: Business, Professionalism, and Justice	
BEHL 432	Global Bioethics	
Choose two of the following		6
<i>Policy-oriented</i>		
MPBH 420	Public Health Law: Theories and Cases	
MPBH 424	Health Economics and Healthcare Financing	
<i>Management-oriented</i>		
MPBH 422	Population Health Planning & Management	
CMAN 533	Fiscal Management in Health Care Organizations	
<b>Total Hours</b>		<b>15</b>

### Applied Practice Experience (1 credit)

Also known as the MPH practicum, it provides the student with practical experience in a public health setting, requiring the student to apply and integrate skills and knowledge learned in courses. The applied practice experience (APE) must be 210 hours or more. Students must apply five program competencies to their APE and produce at least two deliverables, which will become part of their portfolio. Examples

of APE sites include MRSA Research Center, North Shore Mosquito Abatement District, Summer Field Research in Ghana, Health and Medicine Policy Research Group, American Cancer Society, American Diabetes Association, Chicago Department of Public Health, and Mount Sinai Hospital.

### Integrated Learning Experience (2 credits)

The integrated learning experience is a student-led capstone project culminating with a presentation and written manuscript. The project should demonstrate student's ability to apply acquired skills and competencies to a public health problem that simulates a professional practice experience. Depending on their interests, some students may analyze data collected during their practicum to help complete their capstone.

### Dual Degree Programs

Students in dual degree programs are responsible for abiding by academic policies and graduation requirements of both academic units to which they are enrolled. It is strongly recommended that students schedule regular meetings with academic advisors from both units to ensure timely degree completion. Dual degree programs may have slightly different degree requirements from the standard for one or both of the degrees earned. Students should closely read through all degree requirements and ask for clarification as needed.

### Learning Outcomes

- You will combine patient care training with public health competencies in the areas of evidence-based approaches, public health and health care systems, planning and management, policy, leadership, communications, inter-professional practice, and system-wide approaches.