

## CURRICULUM

This program is offered only on campus and a majority of M.P.H. students complete it in two years (full-time) or three to four years (part-time). An individual program plan is developed for each student based on education, experiences and career goals.

**Total: 43 credits**

### Required M.P.H. Core Courses (15 credits)

- Health Care in the United States
- Behavioral and Social Factors in Public Health
- Public Health in Action
- Epidemiology and Biostatistics
- Environmental Influences on Human Health

### Applied Practice Experience (1 credit)

The practicum component provides approximately 140-hours of work-based public health experience.

Epidemiology practica include working in health departments in New York City and the lower Hudson Valley on projects that include regional community assessment; Zika virus prevention, surveillance and data analysis; quality improvement projects with hospitals and local health-related organizations; and NIH Countermeasures Against Chemical Threats (CounterACT) research projects.

### Required Epidemiology Concentration Courses (21 credits)

- Intermediate Biostatistics I
- Intermediate Biostatistics II
- Advanced Epidemiology I
- Advanced Epidemiology II
- Seminar in Epidemiology
- Introduction to SAS Programming for Data Management and Analysis
- Concentration Elective

### Electives (6 credits)

Selected in consultation with an advisor

### Culminating Experience (3 credits)

Epidemiology Capstone



**NEW YORK MEDICAL COLLEGE**  
A MEMBER OF THE TOURO COLLEGE AND UNIVERSITY SYSTEM



## LOCATION

New York Medical College is located on a 54-acre suburban campus in Valhalla, New York, 15 miles north of New York City. The College is easily accessible by highway and is seven miles from the Tappan Zee/Governor Mario M. Cuomo Bridge. Frequent rail and bus service is available. Directions are available at [www.nymc.edu/directions](http://www.nymc.edu/directions).

## ABOUT US

Founded in 1860, New York Medical College (NYMC) is one of the nation's largest private health sciences colleges. A member of the Touro College and University System, NYMC is located in Westchester County, New York, and offers degrees from the School of Medicine, the Graduate School of Basic Medical Sciences and the School of Health Sciences and Practice, as well as a school of dental medicine and a school of nursing. NYMC provides a wide variety of clinical training opportunities for students, residents and practitioners. The College has a strong history of involvement in the social and environmental determinants of health and disease and a special concern for the underserved.

### FOR MORE INFORMATION

OFFICE OF ADMISSIONS  
SCHOOL OF HEALTH SCIENCES AND PRACTICE  
PHONE: (914) 594-4510  
EMAIL: [shsp\\_admissions@nymc.edu](mailto:shsp_admissions@nymc.edu)

**NEW YORK MEDICAL COLLEGE**  
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VALHALLA, NEW YORK 10595  
[WWW.NYMC.EDU/SHSP](http://WWW.NYMC.EDU/SHSP)



**NEW YORK MEDICAL COLLEGE**

A MEMBER OF THE TOURO COLLEGE AND UNIVERSITY SYSTEM

**School of Health Sciences and Practice**  
and INSTITUTE OF PUBLIC HEALTH

## MASTER OF PUBLIC HEALTH



## EPIDEMIOLOGY

## UNDERSTAND THE CAUSE, ANALYZE THE SPREAD AND PREVENT DISEASE

The Master of Public Health (M.P.H.) in Epidemiology answers the following questions: What causes disease? How is it distributed in the population? What are the determinants of disease and what makes certain individuals more susceptible to disease than others? What can we do to protect more people and more communities from disease?

Often called "the cornerstone" of public health, epidemiologists research these questions to understand disease processes and apply that information to develop and evaluate protection and control measures. Our multi-disciplinary approach enhances the examination of disease in human populations; the understanding of research design and analytic methods necessary to isolate and evaluate the demographic; behavioral and environmental factors that influence disease frequency; and the ability to promote health and prevent illness through education and community-based approaches and interventions.

Epidemiologists may choose to specialize in certain areas such as infectious diseases or maternal/child health, or work at the local level where they take on a more holistic approach. Recent surveys of the public health workforce indicate that there is a significant shortage of epidemiologists available to local and public health agencies.

### The M.P.H. in Epidemiology offers:

- Full-time or part-time options
- A curriculum that is responsive to current public health issues
- Ongoing and individualized advisement
- Small class size
- Faculty engagement with local health departments and health systems
- Excellent career opportunities



[www.ceph.org](http://www.ceph.org)

## ADMISSIONS REQUIREMENTS

- Bachelor's degree preferably in a health or sciences-related major
- Official transcripts\* of all post-secondary schools attended with courses in college-level algebra, mathematics, statistics or research methods and/or quantitative skills are desirable
- Statement of purpose indicating applicant's career and professional goals
- Resume or curriculum vitae (CV)
- Two recommendations

*Note: GRE not required*

\*Students with international credentials must submit TOEFL/IELTS scores and educational evaluations. Admission and other information for international students is available at [www.nymc.edu/shsp](http://www.nymc.edu/shsp).

Apply now at [www.sophas.org](http://www.sophas.org)



## ENHANCE YOUR CAREER

The M.P.H. in Epidemiology provides the knowledge and quantitative skills necessary to participate in the areas of medical, clinical and public health research. Our students learn and apply the research designs and analytic methods used to evaluate demographic, behavioral and environmental factors that influence disease frequency. They analyze clinical and epidemiological databases, critically review current research literature and are exposed to the latest information, as well as to experts, in a variety of pertinent research areas.

In the Epidemiology M.P.H. program, you will study trends, patterns and causes related to disease in populations. Students learn to:

- Create and interpret complex statistical models to understand risk factors for and solutions to diseases that affect public health
- Effectively communicate research and findings to the general population and professional audiences

Successful completion of this program will qualify you for a career with health care providers, local and state health departments, federal agencies and the pharmaceutical industry.

For a full list of advanced certificates, please visit [www.nymc.edu/shspcertificates](http://www.nymc.edu/shspcertificates).