

# MASTER OF SCIENCE IN PUBLIC HEALTH

The Yale School of Public Health MS is designed to give you the skills to change the world, whether you're looking to enter the workforce or continue your education.



## Program Highlights

The Master of Science (MS) degree program in Public Health is designed with an emphasis on **mastering skills** in Biostatistics, Chronic Disease Epidemiology, Epidemiology of Infectious Diseases, or Health Informatics. The program focuses on the **theory and application** of statistical methodology in biomedical science, the foundations behind clinical research in epidemiology, and the practice of informatics across clinical and public health domains. If students are enrolled full time, degrees in Chronic Disease Epidemiology and Epidemiology of Infectious Diseases can be completed in **one year** and degrees in Biostatistics and Health Informatics can be completed in **two years**. Unless stated otherwise, students can enroll full time or part time.

## 2023 Class Profile

Total Number of MS Students: 142

Average Age: 23

International Students: 94%

## The Impact of a YSPH MS on Your Career

At YSPH, we strive to ensure the highest possible return on the investment our students make in us. The YSPH MS is a highly marketable degree. Postgraduation, around a third of students work in **business and industry**, a third go into **university research**, and a third go on to **further education**. Some graduates also work in government, consulting, and pharmaceuticals.

## How to Apply



Applications are submitted through the Graduate School of Arts and Sciences: [gsas.yale.edu/admission](https://gsas.yale.edu/admission). The application deadline is December 15.

**GRE Scores** - General GRE scores are required for the MS in Biostatistics and Chronic Disease Epidemiology; school code 3987. MCAT scores accepted in lieu of GRE for the MS in Chronic Disease Epidemiology. GRE scores are not required for the other MS programs.

**TOEFL OR IELTS Scores** - Required of most applicants whose native language is not English. See requirements at [gsas.yale.edu](https://gsas.yale.edu).

## About our Concentrations

**Biostatistics** teaches students theoretical, statistical, and biostatistical methods for analyzing data. The technical skills students acquire in data analysis are valued in managed care organizations, medical research, and the pharmaceutical industry. Some students go on to pursue a PhD, while others find positions as data scientists, biostatisticians, or quantitative researchers. MS Biostatistics students can choose from three pathways: **Standard**, **Data Science**, or **Implementation and Prevention Science Methods**.

**Chronic Disease Epidemiology** students are trained in study design, population sampling, methods to reduce bias, systematic literature reviews, and meta-analysis. Graduates work in clinical settings, industry, or academia, or pursue an MD.

**Epidemiology of Infectious Diseases** features two areas of specialization from which students can choose: clinical or quantitative. (If enrolled part time, maximum time to completion is two years.)

- The **clinical** area of specialization provides research training for clinicians and clinical trainees interested in furthering their research expertise. Students will be prepared to design observational and/or experimental studies to help understand the relationship between host, microbial, and environmental factors.
- The **quantitative** area of specialization focuses on the analysis of communicable disease data, as well as modeling and simulation. Students will be prepared to analyze datasets that arise in the context of outbreaks, epidemics, and endemic infectious diseases.

**Health Informatics** is the study of information sciences, data science, and, more broadly, health policy, social and behavioral science, biostatistics, and epidemiology. Health Informatics students learn to develop the tools and methods for processing, accessing, and analyzing data. (Part-time enrollment is not permitted.)

## Financial Aid

Students may apply for Teaching Fellowships and Research Assistantships for financial assistance.

## Stay in Touch

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The passion of you. The promise of Yale.  
That's what will improve public health.