

# MASTER OF PUBLIC HEALTH POPULATION HEALTH RESEARCH & ANALYTICS



Credible research is critical to all public health and health care organizations, whether private or public. The results of research tell us what health problems a population experiences, the origin of these problems, and the effectiveness of programmatic and policy remedies. Research results become the basis for strategic planning, performance improvement, and justification of funding.

The **Population Health Research & Analytics specialization** prepares students to produce convincing and scientifically sound information to answer questions about population health, evaluate the effectiveness of interventions, and provide the basis for improving health policies and programs. The course of study includes training in research methods, biostatistics, informatics, communication of scientific results, and systems-thinking tools. Students learn how to design outcomes and comparative effectiveness studies, collect and analyze population health data, and work with large data sets.

The MPH Program at the UND School of Medicine and Health Sciences welcomes applicants from a wide variety of backgrounds, including the social and behavioral sciences, the basic sciences, mathematics and computer science, and the humanities.

Applicants to the MPH Program must demonstrate adequate preparation to complete graduate study for the MPH degree. Evidence of preparation for graduate work is indicated by the grade point average (GPA) from all post-secondary schools attended, a standardized test score, work experience and accomplishments, and professional references. Admission decisions are based upon full review of all information in the application in order to ensure fairness and to balance the limitations of any single indicator.

The faculty and staff at the UND School of Medicine and Health Sciences work to create an intellectually challenging and socially engaging experience that provides students with the motivation, skills, and knowledge to improve health in communities and populations, particularly in the Northern Plains. Students develop the foundation to serve the people of North Dakota and the region for years to come.

## MPH Core (21 Credits)

- PH 504: Planning & Management to Promote Health
- PH 510: Public Health & Health Care Systems
- PH 520: Environmental Health
- PH 531: Biostatistics
- PH 541: Public Health Communication
- PH 545: Public Health Leadership & Interprofessional Practice
- PH 551: Epidemiology
- POLS 552: Health Policy

## Required Courses for Population Health Research & Analytics (13 Credits)

- PH 505: Introduction to Data Management in SAS
- PH 532: Biostatistics 2
- PH 533: Advanced Biostatistics
- PH 550: Population Health Research Methods
- PH 552: Epidemiology 2

## Elective (3 Credits)\*

### MPH Practice Experience (3 Credits)

- PH 594: Applied Practice Experience

### MPH Culminating Experience (3 Credits)

- PH 590: MPH Seminar
- PH 995: Integrative Learning Experience

\*For full course descriptions and to apply, visit [med.UND.edu/mph](http://med.UND.edu/mph)

