

# Epidemiology

## Head

- Elizabeth A. Chrischilles

**Graduate degrees:** MS in clinical investigation; MS in epidemiology; PhD in epidemiology

**Faculty:** <https://www.public-health.uiowa.edu/epi-faculty-list/>

**Website:** <https://www.public-health.uiowa.edu/epi/>

The Department of Epidemiology strives to improve public and personal health by conducting innovative research addressing the magnitude, determinants, prevention, and management of disease and its consequences; educating researchers and public health practitioners; and collaborating with clinicians, communities, and public health agencies in the measurement and evaluation of health status and prevention effectiveness.

Students are guided by faculty members whose research interests include pharmacoepidemiology, cancer epidemiology, infectious disease epidemiology, antimicrobial resistance, immunology, adverse reproductive outcome epidemiology, genetics, cardiovascular disease, nutrition, maternal and child health, clinical epidemiology, socioenvironmental determinants, occupational and environmental epidemiology, psychiatric epidemiology, social epidemiology, neuroepidemiology, injury and violence prevention, road traffic safety, substance use disorders, mental health, intervention trials, diabetes, global health, and effects of aging.

In addition to the MS in epidemiology, the MS in clinical investigation, and the PhD in epidemiology, the department offers the epidemiology subprogram for the Master of Public Health degree; see Master of Public Health, MPH in the catalog. The subprogram focuses on fundamental concepts and methods, and provides training in the use of data and methods for disease assessment and for evaluation of programs and interventions.

The MS in epidemiology and the MPH with an epidemiology subprogram are offered as part of the Undergraduate to Graduate (U2G) program which provides an opportunity for University of Iowa students interested in health science to earn both their undergraduate and graduate degrees in five years. For more information about the U2G program that combines an undergraduate degree with the MS in epidemiology or the MPH (epidemiology subprogram), visit MS in Epidemiology—Undergraduate to Graduate on the Department of Epidemiology website or MPH in Epidemiology—Undergraduate to Graduate on the College of Public Health website.

## Certificates

### Emerging Infectious Disease Epidemiology

The Department of Epidemiology offers the graduate Certificate in Emerging Infectious Disease Epidemiology. The certificate program provides basic information and training related to infectious diseases. It is designed for a broad range of individuals, including graduate students, international public health professionals, laboratory professionals, physicians, nurses, veterinarians, and medical technologists. To learn more, see the Certificate in Emerging Infectious Disease Epidemiology in the catalog.

## Translational and Clinical Investigation

The Department of Epidemiology and the Institute for Clinical and Translational Science offer the graduate certificate program in translational and clinical investigation; see the Certificate in Translational and Clinical Investigation in the catalog.