

BIOSTATISTICS IN PUBLIC HEALTH, GCRT

for the Graduate Certificate in Biostatistics in Public Health (online)

Public health is an interdisciplinary field rooted in science and social justice that focuses on preventing disease and injury. Public health practitioners identify needs, craft interdisciplinary solutions to problems, and implement meaningful change to impact populations and make a real impact in the lives of others.

Taken together, this three-course Certificate will enable students to develop marketable skills in quantitative data management and analysis that can be applied to a variety of health fields, including public health practice, surveillance, and research. This Certificate provides additional training in a critical and growing area within Public Health for current practitioners, or an additional area of expertise for related fields such as Social Work, Nutrition, and Medicine.

Students who have successfully completed this Certificate may use the Certificate toward the Master of Public Health or Master of Public Health Online degrees.

Admission

Prospective applicants must apply for admission to this Graduate Certificate through the Graduate College admissions process. We will utilize a holistic admissions process, with the admissions review including academic history, resume, and personal statement. Admission requires a Bachelor's degree.

Financial Aid

Please contact University of Illinois Student Financial Aid directly at (217) 333-0100 or finaid@illinois.edu for any questions you may have related to financial aid.

Faculty Interests/Research

For information about specific faculty research interests, current grants, and publications, please visit our Faculty page.

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Graduation Requirements

Minimum Cumulative GPA: 3.0

Minimum hours required for certificate completion: 12 hours

Students who have successfully completed this certificate may use the certificate courses to satisfy the following degree requirements, provided they apply and are admitted to the degree program:

- 12 hours of coursework requirements of the Public Health, MPH degree program with the Physical Activity and Health concentration.
- 4 hours of coursework requirements of the Public Health, MPH degree program with the Health Behavior and Promotion Concentration.

- 12 hours of coursework requirements of the Epidemiology, MPH degree program.

The required courses for this certificate are listed below.

Coursework Requirements

Code	Title	Hours
Courses Required		
HK 513	Introduction to Quantitative Data Management for Public Health	4
HK 527	Biostatistics in Public Health	4
HK 531	Advanced Biostatistics	4
Total Hours		12

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1. Following best practices for reproducible work, use statistical software to manage, clean, and visualize quantitative data to answer public health research questions.
2. Select and defend appropriate statistical analysis methods for quantitative data sets focusing on individual- and population-level health outcomes.
3. Implement statistical analyses to answer research questions relevant to public health research and practice and communicate the results to various audiences.

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