

# DEMOGRAPHIC METHODS, CERTIFICATE

## Demographic Methods Certificate Program OVERVIEW

The certificate is designed to serve two audiences—master's or doctoral degree students at Johns Hopkins University and interested professionals desiring to gain skills in applying demographic analytic methods to identify or forecast public health problems and evaluate the effectiveness of policies or interventions aimed at mitigating them. Demographic analytic methods are used to calculate denominators of health measures. They, along with epidemiology methods, are used to develop profiles of those at risk for health/disease conditions, evaluate health care interventions, forecast health resource needs, and inform health care policies and planning based on accurate projections of at-risk groups.

## EDUCATIONAL OBJECTIVES

Students completing the certificate will gain competency in:

1. Knowledge of the comparative strengths and weaknesses of different methods of demographic analysis
2. Appropriate application of demographic methods to the analysis of a range of population and health issues
3. Critical evaluation of the public health implications of results from applications of different demographic and population analysis methods

## ADMISSIONS

Contact information and complete certificate program admissions information is available on the Bloomberg School of Public Health certificate program (<https://publichealth.jhu.edu/academics/demographic-methods-certificate-program/>)webpage.

## REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate program requires a minimum of 18 term credits. All required and elective courses must be taken for a letter grade; a minimum grade of C is required in all certificate coursework and students must maintain a 2.75 or better overall GPA for all certificate coursework. The certificate program length is flexible; however, the certificate must be completed within three years.

The student should review the ([https://www.jhsph.edu/academics/certificate-programs/JHSPH\\_certificate\\_completion.html](https://www.jhsph.edu/academics/certificate-programs/JHSPH_certificate_completion.html))section of the website that addresses completion (<https://publichealth.jhu.edu/academics/certificate-programs/requirements-for-successful-completion-of-a-certificate-program/>)before completing the certificate program requirements. The student's transcript will not indicate that the certificate was earned until the Notification of Completion has been submitted, verified by the certificate program, and processed by the Registrar.

## COURSE OF STUDY

Students should check the BSPH course directory (<https://publichealth.jhu.edu/courses/>) to confirm when courses are offered, as

the term and time may change from what is listed in the table below and some courses are only offered every other year. Students should also check for prerequisites and whether instructor consent is required.

Code	Title	Credits
PH.550.860	Academic & Research Ethics at BSPH (All students are required to complete this noncredit online course in their first term of study)	
<b>Students must complete the following two required courses</b>		
PH.380.603	Demographic Methods for Public Health (typically offered online in 3rd term)	4
PH.380.605	Advanced Demographic Methods in Public Health (typically offered onsite in 3rd term)	4
<b>Students must complete at least ten credits of elective courses from the list below</b>		
PH.140.640	Statistical Methods for Sample Surveys (typically offered onsite and online in 3rd term)	3
PH.221.627	Issues in the Reduction of Maternal and Neonatal Mortality in Low income Countries (typically offered onsite and online in 2nd term)	4
PH.221.641	Measurement Methods in Humanitarian Emergencies (typically offered onsite in 2nd term)	2
PH.380.600	Principles of Population Change (typically offered onsite and online in 2nd term)	4
PH.380.662	Critiquing the Research Literature in Maternal, Neonatal, and Reproductive Health (typically offered onsite and online in 2nd term)	4
PH.380.711	Issues in Survey Research Design (typically offered onsite in 3rd term)	3
PH.380.712	Methods in Analysis of Large Population Surveys (typically offered onsite in 4th term)	3
PH.380.750	Migration and Health: Concepts, Rates, and Relationships (typically offered onsite and online in 3rd term)	3