The Department of Epidemiology and Biostatistics provides rigorous training in the fundamental sciences underlying public health practice. Our mission is to improve health and reduce health disparities in local communities, the state of Maryland, and the nation.

Using epidemiologic methods, we investigate social and behavioral determinants of health, with emphasis on cardiovascular disease, obesity, HIV/STIs, and cancer. Additional areas of focus include aging, health disparities, cultural competency, physical activity, and community-based interventions.

Current research projects include:

- developing cancer prevention and survivorship programs in Asian-American communities,
- using a social network approach to study risky behaviors for HIV/STIs,
- and examining the impact of racial minority stress on accelerated biological aging, mortality, and other health outcomes.

Our biostatistics faculty apply statistical techniques including survival and longitudinal data analysis, computational statistics, statistical analysis of genomic and proteomic data, machine learning, neuroimaging statistics, and bioinformatics to analyze and interpret health data. Current projects include testing the theory that monthly loss of iron through menses protects against atherosclerosis, and analyzing brain networks to identify biomarkers of mental health disorders using fMRI data.

“I was drawn to public health because for me it’s all about social justice ... I particularly chose the Department of Epidemiology and Biostatistics because it focuses on the social determinants of health and health disparities.”

GRACIELA JASCHEK, MPH, PHD ‘14
RESEARCH ASSISTANT PROFESSOR,
UMD SCHOOL OF PUBLIC HEALTH
GRADUATE DEGREE PROGRAMS

Master of Public Health
Select the epidemiology or biostatistics track to work as a practitioner, researcher, administrator or consultant in a healthcare setting. The MPH in epidemiology emphasizes training in the application of epidemiologic methods to the study of disease occurrence, prevention and control. Students with an MPH in biostatistics develop skills to implement research studies of human health and disease; design data management systems; interpret quantitative data; and use statistical reasoning to address public health problems. The MPH programs accommodate full and part-time students.

Doctor of Philosophy, Epidemiology
Prepare for a career in epidemiologic research in academia, government or the private sector. Our students will master the essential principles and methodology of epidemiological research and practice. Our program emphasizes training in the application of social and behavioral epidemiologic methods to the study of disease occurrence, prevention, and control.

THE SCHOOL
Our school brings together the strengths of the University of Maryland School of Public Health in College Park and the University of Maryland School of Medicine’s Master of Public Health program in Baltimore through a unique collaboration that is maximizing the collective power of two premier research institutions, and resulting in expanded opportunities for student learning and career opportunities, cross-campus collaborations among faculty, and a well-trained and diverse public health workforce to serve the growing needs of our state. Our vision is to be a leader in the discovery, application, and dissemination of public health knowledge in the state of Maryland, the nation, and the world.

With more than 2,300 students in 29 different degrees and academic programs, our School of Public Health prepares students to tackle longstanding and emerging public health issues and make meaningful contributions to the health and welfare of individuals and society. We do this utilizing all of the tools of traditional public health disciplines, and in collaboration with fields as varied as engineering, arts and humanities, business and public policy on the College Park campus, as well as with the fields of medicine, dentistry, pharmacy, social work, law and nursing on the Baltimore campus.

ADMISSIONS DEADLINES
All admissions deadlines are for fall 2015 matriculation.

MPH, Epidemiology or Biostatistics
1/15/2015

PhD, Epidemiology
12/15/2014

MORE INFORMATION
www.sph.umd.edu/epib

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THE UNIVERSITY
A global leader in research, entrepreneurship and innovation, Maryland is ranked No. 21 among public universities by U.S. News & World Report and No. 14 among public universities by Forbes. The Institute of Higher Education, which ranks the world’s top universities based on research, puts Maryland at No. 38 in the world, No. 29 nationally and No. 13 among U.S. public research institutions. Located “inside the beltway” just minutes from the nation’s capital, the University of Maryland, College Park campus provides unparalleled access to unique opportunities for research and collaboration with major federal institutions and NGOs, including:

• Food and Drug Administration (FDA)
• Health Resources Services Administration (HRSA)
• Pan American Health Organization
• National Institutes of Health (NIH)
• National Science Foundation (NSF)
• Seat Pleasant-University of Maryland Health Partnership
• National Center for Health Statistics

In addition to being a vibrant hub of research and policy, the D.C. area's rich and diverse culture make it an especially lively, friendly, accessible community for students to thrive professionally and personally.

UNIVERSITY OF MARYLAND
SCHOOL of PUBLIC HEALTH
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DEPARTMENT OF EPIDEMIOLOGY AND BIOSTATISTICS

Advancing a Better State of Health