Epidemiology (EPDM)

Graduate Degree Program
College: Public Health

Abstract

Epidemiology is the study of the distribution and determinants of disease and injuries, and other health states in human populations. As the fundamental science of public health practice, epidemiology provides the conceptual and applied tools necessary for the study of public health problems. The MPH with a concentration in Epidemiology is a 43-credit professional degree that prepares graduates to work in public health services as practitioners, researchers, administrators, and consultants. A full-time student may complete our program in 2 years. Part-time students may take up to 4 years to complete the program. The majority of courses are offered in the evenings. In addition to coursework, all epidemiology masters' students are required to complete a capstone experience that occurs after all courses are completed and includes:

1. a project (usually data analysis or a comprehensive literature review); and
2. an internship of at least 240 hours.

Our proximity to the nation's capital offers students unparalleled opportunities for research experiences in public health, including placements at the National Institutes of Health, National Center for Health Statistics, Centers for Disease Control, Food and Drug Administration, the Maryland Department of Health and Mental Hygiene, and many other national, state, and local health agencies.

Contact

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University of Maryland
College Park, MD 20742
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Email: bsaksvig@umd.edu
Website: http://www.sph.umd.edu

Courses: EPID

Relationships: Environmental Health Sciences (MIEH) (https://academiccatalog.umd.edu/graduate/programs/environmental-health-sciences-mieh)

Admissions

Applications should be submitted through the Schools of Public Health Application Service, SOPHAS, at www.SOPHAS.org (http://www.SOPHAS.org). The 2015-2016 application cycle opens in SOPHAS in September 2014, and all application documents must be submitted via SOPHAS. Remember to designate the University of Maryland School of Public Health, College Park, as one of your school choices along with your desired program.

The University of Maryland requires a Supplemental Application and a Supplemental Application Fee of $75 for each program. Applicants will receive e-mail instructions for how to complete the Supplemental Application once your SOPHAS application is complete.

Applications for the MPH program with concentration in Epidemiology are reviewed with consideration to the following criteria:

1. Minimum 3.0 undergraduate GPA; outstanding performance in quantitative-oriented courses
2. Undergraduate transcripts
3. Official GRE scores taken within the past 5 years (GRE scores are required and should be requested directly from ETS for electronic transmission to SOPHAS. Use the SPH code 0485 and the Graduate School Code 5814). Scores should be at least in the 50th percentile for all sections.
4. 3 letters of recommendation that address the applicant's academic capabilities and probability of success in graduate school
5. Statement of Purpose: your statement of purpose should address each of the following questions:
   a. describe your specific interest in epidemiology;
   b. what previous experiences have influenced your decision to pursue a degree in epidemiology; and
   c. how do you believe UMD's program will help you reach your career goals.
6. Relevant academic/work experience, including previous coursework in human biology or physiology, and statistical methods.

Applicants to the MPH program with concentration in Epidemiology should be sure to use the major code EPDM when selecting the program on the Supplemental Application.

Application Deadlines

<table>
<thead>
<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
<th>Spring Deadline</th>
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<tbody>
<tr>
<td>Domestic Applicants</td>
<td>Priority Consideration: 14 Dec / Final: 12 Apr</td>
<td>N/A</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>14 Dec / Final: 12 Apr</td>
<td>N/A</td>
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<tr>
<td>International Applicants</td>
<td>Priority Consideration: 14 Dec / Final: 12 Apr</td>
<td>N/A</td>
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Visas and immigrants: A, E, G, H, I and L visas and immigrants

Other Deadlines: Please visit the program website at http://www.sph.umd.edu

Requirements

- Epidemiology, Master of Public Health (M.P.H.) (https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm/epidemiology-mph)

Facilities and Special Resources

The Department of Epidemiology and Biostatistics faculty includes individuals with multi-faceted interests in both epidemiology and biostatistics. Our faculty has multi-faceted interests and expertise in the epidemiology of infectious disease and chronic disease with particular focus in the areas of HIV/STIs, cancer, health disparities, cardiovascular disease, obesity/physical activity, and sexual and reproductive health. Additional areas of specialization include social and behavioral determinants of health, aging, cultural competency, and community-based interventions. Biostatistics faculty apply statistical
techniques including survival and longitudinal analysis, computational statistics, statistical analysis of genomic and proteomic data, machine learning, neuroimaging statistics, (network) meta-analysis, missing data analysis, Bayesian hierarchical methods, and bioinformatics to analyze and interpret health data.

# Faculty

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First/Middle Name</th>
<th>Graduate Faculty Status</th>
<th>Academic Credentials</th>
<th>Positions</th>
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</thead>
<tbody>
<tr>
<td>Carter-Pokras</td>
<td>Olivia</td>
<td>Full Member</td>
<td>M.H.S., Johns Hopkins University Bloomberg School of Public Health; Ph.D., Johns Hopkins University</td>
<td>Professor, Epidemiology Professor, Biostatistics</td>
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<td>Cruz-Cano</td>
<td>Raul</td>
<td>Adjunct Member</td>
<td>B.S. Autonomous University of Chihuahua 1999, M.S. University of Texas at El Paso 2002, Ph.D. University of Texas at El Paso 2005</td>
<td>Research Assistant Professor, Epidemiology Research Assistant Professor, Biostatistics</td>
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<td>Lee Sunmin</td>
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<td>M.P.H., Seoul National University; Sc.D., Harvard University School of Public Health</td>
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<tr>
<td>Dallal</td>
<td>Cher</td>
<td>Full Member</td>
<td>B.A. University of California at Berkeley 1998; M.P.H. Yale University School of Public Health 2002; M.S. University of Southern California 2005; Ph.D. University of Pittsburgh Graduate School of Public Health 2009</td>
<td>Assistant Professor, Epidemiology Assistant Professor, Biostatistics</td>
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<td>Liu Hongjie</td>
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<td>Full Member</td>
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<td>B.M., Shanghai Medical University, 1993 M.S., UCLA School of Public Health, 1998 Ph.D., UCLA School of Public Health, 2002</td>
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<td>Chair, Epidemiology Professor, Behavioral and Community Health</td>
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Nguyen Quynh  Full Member B.A. in Human Biology, Stanford University, 2005 M.S.P.H. in Epidemiology, UNC Gillings School of Global Public Health, 2009 Ph.D. in Epidemiology, UNC Gillings School of Global Public Health, 2011 Assistant Professor, Epidemiology

Saksvig Brit  Adjunct Member B.A. St. Olaf College, 1989 M.H.S., Johns Hopkins University Bloomberg School of Public Health, 1996 Ph.D., Johns Hopkins University Bloomberg School of Public Health, 2002 Associate Research Professor, Epidemiology Graduate Director, Epidemiology Graduate Director, Biostatistics

Slopen Natalie  Full Member B.S., University of Toronto 2002; M.A., University of Chicago, 2003; Sc.D., Harvard University School of Public Health, 2010 Assistant Professor, Epidemiology Assistant Professor, Biostatistics

Zhang Jing  Full Member B.S. China Agriculture University, Beijing 2009; M.S., University of Minnesota 2011; Ph.D. University of Minnesota 2014 Assistant Professor, Epidemiology Assistant Professor, Biostatistics