**BIOSTATISTICS (BIOS)**

Graduate Degree Program  
College: Public Health

**Abstract**

Biostatistics is a science that addresses theory and techniques for describing, analyzing, and interpreting health data. The discipline is primarily focused on applications to problems in the health, medical, and biological sciences. The MPH with a concentration in biostatistics is a 45-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 biostatistics master’s students are required to complete a 240-hour internship and a capstone project.

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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Website: [http://sph.umd.edu/department/epib](http://sph.umd.edu/department/epib)

Courses: EPIB ([https://academiccatalog.umd.edu/graduate/courses/epib](https://academiccatalog.umd.edu/graduate/courses/epib))  
SPHL ([https://umd-curr.courseleaf.com/graduate/courses/sphl](https://umd-curr.courseleaf.com/graduate/courses/sphl))

Relationships: Epidemiology (EPDM) ([https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm](https://academiccatalog.umd.edu/graduate/programs/epidemiology-epdm))  
Epidemiology (EPID) ([https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid](https://academiccatalog.umd.edu/graduate/programs/epidemiology-epid))

**Admissions**

**PART 1. SOPHAS APPLICATION**

- Complete the online SOPHAS application ([http://www.sophas.org](http://www.sophas.org)).
- Choose the University of Maryland College Park School of Public Health program ([http://sophas.org/program-finder/?institution=1016](http://sophas.org/program-finder/?institution=1016)) to which you would like to apply.
- You may apply to only one UMD SPH program per application cycle.
- You must send an official transcript for all completed college courses. These transcripts go directly to SOPHAS.
- We require 3 letters of recommendation. Your references will receive an email invite from SOPHAS to complete the recommendation online.
- Test scores. GRE and English proficiency (IELTS and TOEFL) scores must be sent to 5688 & 5814.

- Pay the SOPHAS application fee.
- Your SOPHAS application will go through several phases including submission, completion and verification. Verification can take up to four weeks, therefore we recommend starting the application early.

**PART 2: UNIVERSITY OF MARYLAND SUPPLEMENTAL APPLICATION**

- The supplemental application is completed online via an emailed invitation from the UMD graduate school.
- The invite is sent within one week of your SOPHAS verification date to the email on file with SOPHAS.
- The title of the email is 'please complete the school of public health supplemental application.'
- This application requires demographic and residency questions, transcript, and application fee.
- You must submit a PDF copy of your undergraduate degree transcript (the transcript that indicates degree awarded).
- The application fee is $75.00
- Upon completion of BOTH parts, you will receive notification of ‘Under Committee Review’, which means the application has been sent to the review committee.

For more information, please visit the School of Public Health website ([http://sph.umd.edu/content/graduate-admissions](http://sph.umd.edu/content/graduate-admissions)).

**APPLICATION DEADLINES**

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<tr>
<th>Type of Applicant</th>
<th>Fall Deadline</th>
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<tr>
<td>Domestic Applicants</td>
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<tr>
<td>US Citizens and Permanent Residents</td>
<td>Priority: 13 Dec</td>
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<tr>
<td>International Applicants</td>
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<td>F (student) or J (exchange visitor) visas; A,E,G,H,I and L visas and immigrants</td>
<td>Priority: 13 Dec</td>
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**Requirements**

- Biostatistics, Master of Public Health (M.P.H.) ([https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/biostatistics-mph](https://academiccatalog.umd.edu/graduate/programs/biostatistics-bios/biostatistics-mph))

**Facilities and Special Resources**

Our faculty in the Department of Epidemiology and Biostatistics includes individuals with multi-faceted interests in biostatistics, epidemiology, and bioinformatics. 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. Epidemiology faculty have research 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.