Administrative Officers

Ronald J. Daniels  
*President of the University*

Ellen J. MacKenzie  
*Dean*

Laura Morlock  
*Executive Vice Dean, Academic Affairs*

Jane Schlegel  
*Executive Vice Dean, Finance and Administration*

Janet DiPietro  
*Vice Dean, Research and Faculty*

Joshua M. Sharfstein  
*Vice Dean, Public Health Practice and Community Engagement*

Heath Elliott  
*Associate Dean, Development and Alumni Relations*

Elizabeth Stuart  
*Associate Dean, Education*

Michael Ward  
*Associate Dean, Enrollment Management and Student Affairs*

Katherine Parris Frey  
*Associate Dean, Strategic Initiatives*

Kesha Pollack Porter  
*Associate Dean, Faculty Development*

Lymari Morales  
*Associate Dean, Communications and Marketing*

Beth Resnick  
*Assistant Dean, Practice and Training*

Nondiscrimination Policy

Johns Hopkins University is committed to equal access for its students and, to that end, does not discriminate on the basis of sex, gender, marital status, pregnancy, race, color, ethnicity, national origin, age, disability, religion, sexual orientation, gender identity or expression, veteran status or other legally protected characteristics in any student program or activity administered by the University, including its administration of its educational policies, admission policies, scholarship and loan programs, and athletic and other University-administered programs or in employment. For additional information concerning University anti-discrimination and harassment policies, procedures and/or practices, please see the following link: [http://oie.jhu.edu/policies-and-laws/](http://oie.jhu.edu/policies-and-laws/).

Questions regarding any type of protected status discrimination or harassment, including questions under Title VI, Section 504 and Title IX, should be referred to the Office of Institutional Equity, Suite 515, Wyman Park Building, Telephone: (410) 516-8075, (TTY): (410) 516-6225.

Accommodations for Persons with Disabilities

The University provides appropriate, necessary and reasonable accommodations to qualified students, faculty and staff who are disabled.

Reshma Akhter, an eight-year-old from the Rayerbazar slums of Dhaka, Bangladesh, breaks through the ribbon during a race.

This photograph was acquired via Photoshare, a service of the Knowledge for Health (K4Health) project, based at Johns Hopkins Bloomberg School of Public Health's Center for Communication Programs.
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At a Glance

Founded
1916 by William H. Welch and John D. Rockefeller

Students
2,347 from 79 nations

Faculty
788 primary, 778 affiliated

Alumni
25,000+ Living

Research
Ongoing in more than 100 countries

Location and Contact Information
615 N. Wolfe Street
Baltimore, MD 21205
Phone: 410-955-3543
Fax: 410-955-0464
Website: www.jhsphs.edu
Email: jhsphs.admiss@jhu.edu

Degrees
10 degrees: eight master’s and two doctoral

Departments
Biochemistry and Molecular Biology
Biostatistics
Environmental Health and Engineering
Epidemiology
Health, Behavior and Society
Health Policy and Management
International Health
Mental Health
Molecular Microbiology and Immunology
Population, Family and Reproductive Health

Highlights
• First institution of its kind worldwide
• Largest school of public health in the world
• Receives 16 percent of all grants and contracts awarded to the 58 accredited U.S. schools of public health
• Ranked No. 1 by U.S. News & World Report since 1994
Overview of Degrees and Areas of Study

**Master of Public Health**

**Schoolwide**
Students may customize their degree or pursue one of the following areas of study:
- Aging and Public Health
- Child and Adolescent Health
- Epidemiologic and Biostatistical Methods for Public Health and Clinical Research
- Food, Nutrition and Health
- Food Systems and Public Health
- Global Environmental Sustainability and Health
- Health in Crisis and Humanitarian Assistance
- Health Leadership and Management
- Health Systems and Policy
- Infectious Diseases
- Social and Behavioral Sciences in Public Health
- Women’s and Reproductive Health

**Master of Health Science in Public Health**

- **Health, Behavior and Society**
  - Health Education and Health Communication
- **Health Policy and Management**
  - Health Policy
- **International Health**
  - Global Disease Epidemiology and Control
  - Health Systems
  - Human Nutrition
  - Social and Behavioral Interventions

**Master of Science in Public Health**

- **Health, Behavior and Society**
  - Genetic Counseling
- **Population, Family and Reproductive Health**
  - Population, Family and Reproductive Health

**Master of Science**

- **Biochemistry and Molecular Biology**
  - Biochemistry and Molecular Biology
- **Biostatistics**
  - Biostatistics
- **Environmental Health and Engineering**
  - Environmental Health
- **Epidemiology**
  - Cancer Epidemiology
  - Cardiovascular and Clinical Epidemiology
  - Clinical Trials and Evidence Synthesis
  - Environmental Epidemiology
  - Epidemiology of Aging
  - General Epidemiology and Methodology
  - Genetic Epidemiology
  - Infectious Disease Epidemiology
- **Graduate Training Programs in Clinical Investigation**
  - Clinical Investigation
- **Health, Behavior and Society**
  - Social Factors in Health
- **Health Policy and Management**
  - Health Economics and Outcomes Research
  - Health Finance and Management
- **International Health**
  - Global Health Economics
- **Mental Health**
  - Mental Health
- **Molecular Microbiology and Immunology**
  - Molecular Microbiology and Immunology
- **Population, Family and Reproductive Health**
  - Population, Family and Reproductive Health

**Master of Science in Public Health**

- **Biochemistry and Molecular Biology**
  - Biochemistry and Molecular Biology
- **Biostatistics**
  - Biostatistics
- **Environmental Health and Engineering**
  - Environmental Health
- **Epidemiology**
  - Cancer Epidemiology
  - Cardiovascular and Clinical Epidemiology
  - Clinical Trials and Evidence Synthesis
  - Environmental Epidemiology
  - Epidemiology of Aging
  - General Epidemiology and Methodology
  - Genetic Epidemiology
  - Infectious Disease Epidemiology
- **Graduate Training Programs in Clinical Investigation**
  - Clinical Investigation
- **Health, Behavior and Society**
  - Genetic Counseling
- **Molecular Microbiology and Immunology**
  - Molecular Microbiology and Immunology

**Master of Bioethics**

- **Berman Institute of Bioethics**
  - Bioethics

**Master of Health Administration**

- **Health Policy and Management**
  - Health Administration

**Interdepartmental**

- **Community-based Primary Health Care Programs in Global Health**
- **Global Health Planning and Management**
- **Humanitarian Health**
- **Patient Safety and Healthcare Quality**
- **Population Health Management**
- **Spatial Analysis for Public Health**

**Master of Arts**

- **Interdepartmental**
  - Public Health Biology

**Interdepartmental**

- **Public Health Biology**

**Interdepartmental**

- **Community-based Primary Health Care Programs in Global Health**
- **Global Health Planning and Management**
- **Humanitarian Health**
- **Patient Safety and Healthcare Quality**
- **Population Health Management**
- **Spatial Analysis for Public Health**

**Interdepartmental**

- **Public Health Biology**

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*Appears may not matriculate directly into this ScM degree.*
Biochemistry and Molecular Biology
- Biochemistry and Molecular Biology

Biostatistics
- Biostatistics

Environmental Health and Engineering
- Exposure Sciences and Environmental Epidemiology
- Toxicology, Physiology and Molecular Mechanisms

Epidemiology
- Cancer Epidemiology
- Cardiovascular and Clinical Epidemiology
- Clinical Trials and Evidence Synthesis
- Environmental Epidemiology
- Epidemiology of Aging
- General Epidemiology and Methodology
- Genetic Epidemiology
- Infectious Disease Epidemiology

Graduate Training Programs in Clinical Investigation
- Clinical Investigation

Health, Behavior and Society
- Social and Behavioral Sciences

Health Policy and Management
- Bioethics and Health Policy
- Health and Public Policy
- Health Economics and Policy
- Health Services Research and Policy

International Health
- Global Disease Epidemiology and Control
- Health Systems
- Human Nutrition
- Social and Behavioral Interventions

Mental Health
- Mental Health

Molecular Microbiology and Immunology
- Molecular Microbiology and Immunology

Population, Family and Reproductive Health
- Population, Family and Reproductive Health

Schoolwide
Students may customize their degree or pursue one of the following concentrations:
- Environmental Health
  - Health Security (optional)
  - Health Equity and Social Justice
  - Health Policy and Management
  - Healthcare Management and Leadership
  - Public Health Informatics
  - Quality and Patient Safety
  - Implementation Science

Graduate Training Programs in Clinical Investigation
- Clinical Investigation

Health, Behavior and Society
- Social and Behavioral Sciences

Health Policy and Management
- Bioethics and Health Policy
- Health and Public Policy
- Health Economics and Policy
- Health Services Research and Policy

International Health
- Global Disease Epidemiology and Control
- Health Systems
- Human Nutrition
- Social and Behavioral Interventions

Mental Health
- Mental Health

Molecular Microbiology and Immunology
- Molecular Microbiology and Immunology

Population, Family and Reproductive Health
- Population, Family and Reproductive Health

The Bloomberg School has an ever-growing portfolio of online courses, certificates and other programs.

The schoolwide DrPH is delivered primarily online, and through summer and winter institutes.

Students admitted to the online/part-time MPH may complete 80 percent of their coursework online.

The following programs are completed entirely online:
- Master of Applied Science in Community-based Primary Health Care Programs in Global Health
- Master of Applied Science in Global Health Planning and Management
- Master of Applied Science in Humanitarian Health
- Master of Applied Science in Patient Safety and Healthcare Quality
- Master of Applied Science in Population Health Management
- Master of Applied Science in Spatial Analysis for Public Health
- Master of Arts in Public Health Biology

Students should be aware of additional state-specific information for online programs found at: [web.jhu.edu/administration/provost/programs_services/accreditation/state_authorization](http://web.jhu.edu/administration/provost/programs_services/accreditation/state_authorization)
Summary of Departments

BIOCHEMISTRY AND MOLECULAR BIOLOGY

Department Contacts

Department Chair
Ashani T. Weeraratna, PhD

Academic Program Manager
Shannon Gaston
410-955-3672
sgaston1@jhu.edu

Sr. Academic Coordinator
Mystee Jennings
410-502-9030
mjennings1@jhu.edu

The mandate of the Department of Biochemistry and Molecular Biology is to further basic science knowledge that is relevant to public health and to the core mission of our home, the Johns Hopkins Bloomberg School of Public Health.

Our position within the School of Public Health makes us unique among other basic science departments, and in keeping with the School’s inspiring mission, we seek knowledge at the cellular and molecular level that can “save lives—millions at a time.”

Our faculty are dedicated to providing top-notch advising and mentorship to our trainees so they are well-equipped to enter successful careers in academia, medicine and industry.

Degrees Offered: PhD, MHS, ScM

Research: The department’s research activities are focused on understanding the molecular and cellular mechanisms underlying some of the most challenging human diseases, including cancer, aging, neurodegenerative diseases, viral, bacterial and fungal infection and reproductive disorders. Specific pathways studied by investigators in the department include cellular stress responses, protein homeostasis, DNA replication and repair, cell signaling, hormone biology, metal biology, inflammation and nutrient sensing. We embrace a multidisciplinary approach to our research that involves biochemistry and molecular biology, genetics, bioinformatics, biophysical techniques and protein structure analysis. We also take advantage of a range of model organisms that include flies, worms, yeast and mice.

Department Social Media
@jhsphbmb

BIOSTATISTICS

Department Contacts

Department Chair
Karen Bandeen-Roche, PhD

Academic Program Manager
Mary Joy Argo
410-614-4454
margo1@jhu.edu

Founded in 1918, Johns Hopkins Biostatistics is the oldest department of its kind in the world, and has consistently ranked among the best. It has a rich history of outstanding contributions in both research and education and provides a nurturing and collaborative environment for students to reach their full potential.

The department is dedicated to:
• advancing statistical and data science
• making discoveries to improve health by partnering with our colleagues in other science domains
• providing an innovative and outstanding biostatistics education for those seeking to be conversant with concepts as well as for users and experts in the application and development of new methodology

The discipline of biostatistics creates and applies methods for quantitative research in the health sciences.

Degrees Offered: PhD, MHS, ScM

Research: Research is organized into working groups of faculty, postdoctoral fellows and students. Groups meet regularly in a variety of intellectual meeting formats including research-in-progress sessions, journal club, topical seminars and working discussions. The working groups study epidemiology and biostatistics of aging; causal inference; survival, longitudinal and multivariate data (SLAM); environmental epidemiology and biostatistics; genomics; statistical genetics; small area estimation and spatial statistics (SMART); and statistical methods and applications for research in technology (SMART); small area estimation and spatial statistics (SAESS) and statistical genetics.

Department Social Media
@jhubiostat
ENVIRONMENTAL HEALTH AND ENGINEERING

Department Contacts

Department Chair
Marsha Wills-Karp, PhD
Katie Phipps
410-955-2212
khipps4@jhu.edu

The Department of Environmental Health and Engineering (EHE) is a collaborative hybrid uniquely designed to lead pioneering research and fuel technology translation as it prepares the next generation of scholars to solve critical and complex issues at the interface of public health and engineering.

The department’s cross-divisional affiliation enables us to offer a range of interdisciplinary graduate programs at the intersection of public health and engineering. Our approach enables students to design a course of study that can be tailored to meet their specific career goals.

EHE’s mission is to improve the health of the earth and its inhabitants. EHE’s academic and research activities span the science of biological processes, environmental engineering, environmental and health policy, and data analytics. With its accomplished faculty and visionary students, EHE is poised to use its broad and deep expertise to propel discovery and innovation, as well as to inspire and educate scholars of the twenty-first century and beyond.

Degrees Offered: PhD, MHS, ScM, BA/MHS

Research Areas: Department research includes air pollution and cardiorespiratory diseases; antimicrobial resistance and infectious disease; biosecurity and emerging threats; carcinogens and cancer; chronic disease etiology and prevention; community sustainability, resilience and preparedness; consumer product safety; energy management and alternative technologies; environmental inequities and injustice; environmental resource quality; exposure sciences and environmental epidemiology; food and agricultural systems; global environmental change; risk sciences and public policy; social and behavioral sciences; toxicology; physiology and cell biology; water sanitation, hygiene and health; and worker health and safety.

Department Social Media
@JHSPHEHE
@JohnsHopkinsEHE
@JohnsHopkinsEHE

EPIDEMIOLOGY

Department Contacts

Department Chair
David Celentano, ScD, MHS
Frances S. Burman, MS
410-955-3926
franburman@jhu.edu

The mission of the Department of Epidemiology is to improve the public’s health by training epidemiologists and by advancing knowledge concerning the causes and prevention of disease and the promotion of health.

The large number of department faculty and the breadth of research provide student trainees with a wealth of learning opportunities. Faculty state that epidemiology in the U.S. began at Hopkins and, over 100 years later, they continue to lead the field in methodology and applied research.

Faculty lead collaborative research throughout Baltimore and the world. They conduct surveillance, model diseases, assess and evaluate behavior, provide consulting and training and develop new methodology. Through investigating diseases and prevention, the department’s research examines the underlying causes, and applies advanced epidemiologic methods toward preventing further transmission or development of diseases. At each stage, students are invited to interact, participate, conduct scientific investigation and gain a deeper understanding of public health and the researcher’s role within the field. Students apply epidemiology through an apprenticeship model of directed readings, didactic coursework, research positions and teaching.

Degrees Offered: PhD, MHS, ScM

Research Areas: Department research includes infectious and chronic diseases encompassing cardiovascular and cerebrovascular diseases, kidney diseases, digestive diseases, congenital malformations and cancer. Human genetics, statistical epidemiology, social and behavioral studies, health disparities and health outcomes are also of major interest. Disease modeling and surveillance and pharmacoepidemiology and drug safety provide additional research foci for exploration and training.

Department Social Media
@JohnsHopkinsEpi

2020-2021 Academic Prospectus 5
HEALTH, BEHAVIOR AND SOCIETY

Department Contacts

Department Chair
Rajiv Rimal, PhD, MA

Department Contact
410-502-4415
HBS_Admissions@jhu.edu

Many of today’s most pressing and intractable public health challenges are rooted in human behavior and social conditions—from smoking and substance use to diabetes and HIV. The Department of Health, Behavior and Society (HBS) is dedicated to research, training and public health practice that advance scientific understanding of the influences of behavior and social context on population health. We share a common aim of developing, evaluating and implementing solutions to pressing public health challenges, inequities and injustices in Baltimore, the U.S. and around the globe.

Students in HBS learn to identify and analyze the social and behavioral determinants of health and to use these insights to tackle critical public health issues from every angle—by developing and evaluating targeted interventions, working with entire communities to address the social factors that affect health, and improving the health of millions at a time through public policy and other structural interventions.

Faculty and students in HBS are interested in both societal context and individual behavior, as well as the interactions between factors such as genetic predisposition, physical environment, social disadvantage and disempowerment, and critical health outcomes.

Degrees Offered: PhD in Social and Behavioral Sciences, MHS in Social Factors, MSPH in Health Education and Health Communication, ScM in Genetic Counseling

Research: The department’s research emphasizes theoretical, methodological and applied studies in four main areas—social factors in health, community- and structural-level interventions, health communication and education, and behavioral and social aspects of genetics. HBS faculty and students are particularly interested in diseases and injuries that disproportionately impact racial and ethnic minorities and marginalized communities.

HBS is home to 10 research centers and institutes, including the Center for Communication Programs, the Institute for Global Tobacco Control and the Lerner Center for Public Health Promotion. Our faculty are experts on a wide range of public health topics, including HIV/AIDS, cancer, violence, unintentional injury, overdose, cardiovascular diseases, diabetes, obesity, respiratory diseases, emerging infectious diseases, the improvement of quality of life, and alcohol, tobacco and other drug use.

HEALTH POLICY AND MANAGEMENT

Department Contacts

Department Chair
Colleen Barry, PhD, MPP

Director, Academic Affairs
Judith L. Holzer, MBA

Academic Coordinator
Allison Schoenauer
410-955-2488
HPM_Admissions@jhu.edu

Since its founding in 1921, the Department of Health Policy and Management (HPM) has been dedicated to advancing the public health field through the development, implementation and evaluation of health and social policies. Students engage in hands-on research and practice to solve the most challenging health problems. HPM offers a wide range of educational programs with flexible course schedules, including master’s training in Health Administration, Health Policy and Health Economics and Outcomes Research. Full-time PhD training programs in Bioethics and Health Policy, Health Economics, Health Services Research and Policy and Health and Public Policy are also available. The Department actively participates in the part-time, schoolwide DrPH program with specialized training in Health Care Management and Leadership, Public Health Informatics, Quality and Patient Safety, and Health Policy. HPM also offers excellent post-doctoral fellowships, certificate programs and continuing education opportunities.

The faculty are dedicated to advising and training future public health leaders in using sound management practices and creative leadership to find effective and equitable solutions to today’s most pressing public health challenges.

Whether seeking a career in academia, federal and state government agencies or the private and nonprofit sectors, HPM offers one-of-a-kind public health practice opportunities. The School’s proximity to Washington D.C. and Annapolis, Maryland, facilitates the active engagement of our students and faculty in the policy-making process. HPM faculty and staff are dedicated to improving health in our community through numerous public health practice and internship activities in Baltimore and around the world.

Degrees Offered: PhD, MHA, MHS in Health Economics and Outcomes Research, MSPH, BA/MSPH

Research: HPM’s 15 research centers and institutes focus on a range of critical public health areas, including injury prevention, public health law, population health informatics, mental health and addiction policy, bioethics, health disparities, health services research and many others. The programs provide a strong foundation for advancing system change to promote health, monitor and evaluate outcomes, and train the next generation of scholars, policy leaders and other decision makers. We host the Hopkins HPM Distinguished Policy Scholar program—a unique initiative bringing national leaders who have served in the White House, in the U.S. Congress or as governors to our campus to work closely with our students and faculty on pressing public health issues.

Department Social Media

@JHSPH.HPM
@JHSPH_HPM
INTERNATIONAL HEALTH

Department Contacts

Department Chair
David Peters, MD, DrPH, MPH

Academic Program Manager
Cristina G. Salazar, MA
410-955-3734
csalazar@jhu.edu

The Department of International Health is a global leader and partner in building capacity and identifying, developing, testing and implementing practices and policies that help the world’s most vulnerable and disadvantaged people improve their health and well-being. Our leadership in public health extends from theory to practice, and is achieved through research, education, capacity building and policy engagement.

Students in this department have the opportunity to work almost anywhere in the world on almost any area. In the last five years, our students have had internships in more than 75 countries with over 350 organizations around the world. This, combined with the number of countries our faculty have worked, IH-related work reaches over 115 countries.

Since its founding more than 50 years ago, the Department has viewed international health as a complex mix of health problems, politics, economics, culture and environment. Our mission to work with the world’s most vulnerable and disadvantaged people to improve their health and well-being has remained constant. Our faculty, students, staff and alumni remain committed to social justice and improving health equity for all people wherever they live.

Degrees Offered: PhD, MHS in Global Health Economics, MSPH, MSPH/RD, MA/MSPH, BA/MHS, BA/MSPH

Research Areas by Concentration
Global Disease Epidemiology and Control (GDEC): vaccine clinical trials, community trials, epidemiological studies and disease surveillance activities, including laboratory studies
Health Systems: health policy, health planning, financing, management and evaluation, institution and capacity building, community development and health systems strengthening
Human Nutrition: nutritional issues across the lifespan, the role of nutrients in cells and biologic systems, nutritional epidemiology, socio-cultural aspects of nutrition and food and nutrition policy
Social and Behavioral Interventions (SBI): multidisciplinary and draws on the theoretical and methodological approaches of medical anthropology, nutritional anthropology, social epidemiology, behavioral psychology, health education and other social science and public health disciplines for the development of social science-based public health interventions to benefit the underserved globally and locally

Department Social Media
@HopkinsInternationalHealth

MENTAL HEALTH

Department Contacts

Department Chair
M. Daniele Fallin, PhD

Academic Program Admin.
Patty E. Scott
410-955-1906
patty.scott@jhu.edu

The mission of the Department of Mental Health is to advance understanding of mental and behavioral disorders, to develop, implement and evaluate methods to prevent and control these disorders and to promote mental health in the population.

The Department of Mental Health is the first and only department-level unit focused specifically on public mental health in a school of public health.

The department brings together leading researchers across multiple disciplines joined by their passion for understanding, preventing and treating mental health and substance use disorders. Faculty, students and community health leaders in Mental Health are dedicated to educating the next generation of public health workers and scientists about the importance of mental health, the specific skills needed to address public mental health issues and the integration of mental and physical health.

The department conducts research on the public health aspects of mental and behavioral disorders but does not provide clinical training.

Degrees Offered: PhD, MHS, BA/MHS

Research: The department covers a wide array of topics related to mental health, mental illness and substance abuse. Faculty and students from multiple disciplines work together within and across several major research areas: substance use epidemiology, global mental health, mental health and aging, mental health services and policy, methods, prevention research, psychiatric and behavioral genetic epidemiology, psychiatric epidemiology and autism and developmental disabilities.

Department Social Media
@JHSPHmentalhealth
@ohnhopkinsdmh
MOLECULAR MICROBIOLOGY AND IMMUNOLOGY

Department Contacts

Department Chair  
Arturo Casadevall, MD, PhD  
410-614-4232  
gail@jhu.edu

Academic Program Admin.  
Gail O’Connor  
410-614-4232  
gail@jhu.edu

Molecular Microbiology and Immunology (MMI) is committed to providing comprehensive scientific training to equip graduate trainees and postgraduate fellows with the critical thinking skills, investigative tools and professional talents needed to address biological issues underlying a broad range of infectious and immunologic diseases and to establish a successful career in biomedical research.

MMI faculty, students and fellows practice science in the laboratory, the field and the clinic to combat such enormous public health problems as malaria, tuberculosis, influenza, fungal meningitis, HIV, dengue virus, Zika virus, viral encephalitis, measles, toxoplasmosis and neglected tropical diseases such as trypanosomiasis and hookworm. Moreover, we study molecular mechanisms of cell death and explore the genetic and molecular determinants of immunity.

MMI research is supported by centers of excellence, such as the JHU Center of Excellence for Influenza Research and Surveillance (CIERS), the JHU Center for Women’s Health, Sex and Gender Differences, the Multicenter AIDS Cohort Study (MACS) and the JHU Malaria Research Institute (MRI).

The Malaria Research Institute (MRI) is the first and only research center in the U.S. dedicated solely to the interdisciplinary study of the biology, immunology and transmission of malaria.

The department serves as home for JHSPH’s unique, School-wide R3 (Rigor, Responsibility and Reproducibility) Center for Innovation in Science Education, which emphasizes novel graduate training methods that enhance critically creative thinking, interdisciplinary practice and social responsibility for life and public health scientists.

Degrees Offered: PhD, MHS, ScM

Research: MMI faculty carry out research in the broad areas of bacteriology, immunology, medical entomology, vector biology, mycology, parasitology, virology as well as human immunogenetics and the fundamentals of molecular and cellular biology. MMI centers and core facilities provide access to the instrumentation, resources and expertise to enable and accelerate cutting edge research in parasitology, vector biology, genomic analysis, structural biology, imaging and immune assessment.

Department Social Media  
@JohnsHopkinsMMI

POPULATION, FAMILY AND REPRODUCTIVE HEALTH

Department Contacts

Department Chair  
Cynthia Minkovitz, MD, MPP  
410-614-6676  
gmorga13@jhu.edu

Academic Program Admin.  
Gilbert Morgan  
410-614-6676  
gmorga13@jhu.edu

Sr. Academic Program Coord.  
Kristen McCormick  
410-955-1116  
kmccor14@jhu.edu

The mission of the Department of Population, Family and Reproductive Health (PFRH) is to optimize the health and well-being of individuals, families and populations across the life course through public health science, teaching and practice locally, nationally and globally. The department’s efforts focus not only on the health and behavior of populations in the United States, but also on mothers, infants and children, youth, women, families and those residing in urban areas in low- and middle-income countries worldwide.

The department’s work is grounded in a life course framework with a focus on the application of demography to promote population health. The department is the School’s primary academic home for reproductive health, family planning, maternal and child health, women’s health and adolescent health. Within the University, PFRH serves as the primary academic home for demography. Skills emphasized in departmental training include: population science and demographic methods, social science perspectives and frameworks, program evaluation, evidence-based advocacy, leadership and the translation of research for programs and policy.

PFRH offers a unique blend of domestic and international educational, research and practice experiences with the goal of training students who will assume leadership positions as program planners, policymakers and researchers.

Graduates are trained as research scientists, administrators, academicians and health professionals for careers related to a broad spectrum of population, family and reproductive health issues.

Degrees Offered: PhD, MHS, MHS in Demography, MSPH, BA/MSPH

Research: The department’s five areas of interest are adolescent health; child health; maternal, fetal and perinatal health; population and health; and women, sexual and reproductive health. Our dedicated interdisciplinary faculty develop and apply a broad range of methods to research and professional practice. These methods include: demography and related social sciences, epidemiology, qualitative research, health services research and program evaluation. Faculty are drawn from multiple disciplines including demography, epidemiology, public health, sociology, nutrition, economics, policy analysis, health services research, family planning administration, developmental psychology, medicine and nursing.

Department Social Media  
@HopkinsPFRH  
@HopkinsPFRH  
@HopkinsPFRH  
@HopkinsPFRH
GRADUATE TRAINING PROGRAMS IN CLINICAL INVESTIGATION

Program Contacts
Director
N. Franklin Adkinson, Jr., MD
Academic Program Manager
Cristina A. DeNardo, MEd
410-502-9734
jhsph.gtpci@jhu.edu

The purpose of the Graduate Training Programs in Clinical Investigation (GTPCI) is to nurture and empower the clinical research community.

The first of its kind in the U.S., this program was created to address the growing national concern over the shortage of academic clinical investigators by training postdoctoral fellows and faculty to be more effective clinical scientists.

The clinical investigation degrees are a joint enterprise of the Johns Hopkins University School of Medicine and Bloomberg School of Public Health. They provide competence in a variety of skills necessary for successful clinical research. These programs are targeted toward internal physicians, postdoctoral fellows and/or faculty in clinical departments of the School of Medicine.

Degrees offered: PhD, MHS

RESEARCH CENTERS AND INSTITUTES

Since the Bloomberg School was founded, its graduate programs have been based on a cardinal principle of the inseparability of research, practice, service and education. Faculty are engaged in investigations that cover a wide variety of disciplines and interests. In addition, there are many education, practice and research centers that operate as departmental and interdepartmental bases for a wide range of activities related to public health. The Bloomberg School currently supports more than 100 centers and institutes.

POSTDOCTORAL TRAINING PROGRAMS

The Bloomberg School provides opportunities for postdoctoral training in all departments. Individuals interested in postdoctoral training should first establish contact with a member of the faculty with whom they wish to work.

Once a position has been identified, a formal application including official documentation of completed doctoral degree and other documents specified by your department is required. These materials must be received before you may start your position. The research interests of the School’s faculty can be found on the School’s website.

Tuition for postdoctoral fellows is $800 per year, or $200 per term.

ONLINE LEARNING

The Bloomberg School has an ever-growing catalog of online courses, certificate programs and degrees.

www.jhsp.edu/academics/online-learning-and-courses/

In addition to the DrPH, MAPHB, MAS, online/part-time MPH and online certificate programs, the Bloomberg School has three initiatives that provide public health information online for free.

OpenCourseWare (OCW)
Online library of materials used in the teaching of JHSPH courses
http://ocw.jhsp.edu

iTunesU

Coursera
Massive Open Online Courses (MOOCS), high-quality online university courses www.coursera.org/jhu

A child is read to during a home visit conducted by Project Self-Sufficiency, a home visiting program working with the Home Visiting Applied Research Collaborative (HARC). HARC, founded by Dr. Anne Duggan, ScD, Professor in the Department of Population, Family and Reproductive Health, leads a national network of several hundred local home visiting programs and researchers. Using Precision Home Visiting, they focus on discovering efficient and effective ways to work with families through the use of innovative methods to strengthen and broaden the impact of home visiting.
# Eight Master’s Degrees in Public Health

With so many choices, it may be hard to know where to start. To help, here are brief descriptions of all eight Bloomberg School master’s degrees. These degrees vary in requirements, duration and format.

<table>
<thead>
<tr>
<th>Master of Applied Science</th>
<th>Master of Arts in Public Health Biology</th>
<th>Master of Bioethics</th>
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</thead>
<tbody>
<tr>
<td><strong>Abbreviation:</strong> MAS</td>
<td><strong>Abbreviation:</strong> MAPHB</td>
<td><strong>Abbreviation:</strong> MBE</td>
</tr>
<tr>
<td><strong>Offered By:</strong> Online Programs for Applied Learning (OPAL)</td>
<td><strong>Offered By:</strong> Interdepartmental</td>
<td><strong>Offered By:</strong> Johns Hopkins Berman Institute of Bioethics</td>
</tr>
<tr>
<td><strong>Duration:</strong> Varies—usually two to three years of coursework, culminating in an integrative activity</td>
<td><strong>Duration:</strong> Varies—two to three years part-time coursework</td>
<td><strong>Duration:</strong> One and a half years of full-time or two to four years part-time coursework</td>
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<tr>
<td><strong>In a Nutshell:</strong> Skill building, professional degree in an online, part-time format for working professionals</td>
<td><strong>In a Nutshell:</strong> Online, part-time degree that focuses on biological tenets and research methods relevant to current issues in public health</td>
<td><strong>In a Nutshell:</strong> Multidisciplinary study focusing on the ethics of clinical medicine, research, science and public health</td>
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<tr>
<td><strong>Take Note:</strong> Requires previous experience or prior coursework</td>
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<td><strong>Take Note:</strong> Can’t always matriculate directly into ScM, must apply to the MHS program first</td>
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<th>Master of Health Administration</th>
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<tr>
<td><strong>Abbreviation:</strong> MHA</td>
<td><strong>Abbreviation:</strong> MHS</td>
<td><strong>Abbreviation:</strong> MPH</td>
</tr>
<tr>
<td><strong>Offered By:</strong> Health Policy and Management</td>
<td><strong>Offered By:</strong> All 10 academic departments</td>
<td><strong>Offered By:</strong> Schoolwide Program</td>
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<tr>
<td><strong>Duration:</strong> One year of coursework, plus 11-month field placement</td>
<td><strong>Duration:</strong> Varies—usually one year of coursework, culminating in thesis/project</td>
<td><strong>Duration:</strong> 11 month full-time format, up to four years in online/part-time format</td>
</tr>
<tr>
<td><strong>In a Nutshell:</strong> Business degree of public health, designed for future health delivery organization leaders in U.S. Healthcare</td>
<td><strong>In a Nutshell:</strong> Academic degree focusing on a specific area of public health, typically research-oriented, designed for further graduate work or research careers</td>
<td><strong>In a Nutshell:</strong> Flexible professional degree, customizable focal area, classmates with diverse work experiences from across the globe</td>
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<td><strong>Take Note:</strong> Requires two years, post-baccalaureate, health-related work experience</td>
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<tr>
<td><strong>Abbreviation:</strong> ScM</td>
<td><strong>Abbreviation:</strong> MSPH</td>
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<tr>
<td><strong>Offered By:</strong> Six academic departments</td>
<td><strong>Offered By:</strong> Four academic depts</td>
</tr>
<tr>
<td><strong>Duration:</strong> Varies—usually one year of coursework, plus one year of research culminating in thesis</td>
<td><strong>Duration:</strong> Varies—usually one year of academic coursework, followed by 4-11 month field placement</td>
</tr>
<tr>
<td><strong>In a Nutshell:</strong> Focused academic degree with emphasis on original public health research</td>
<td><strong>In a Nutshell:</strong> Professional degree in specific area of public health, combining academics with real world experience</td>
</tr>
<tr>
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Master of Applied Science (MAS)

The MAS is a fully online, part-time degree designed for working professionals, delivered through the Online Programs for Applied Learning (OPAL). Programs focus on emergent industry sectors in public health and health care that have a need for highly skilled professionals. By building on the strengths of the School, they provide unmatched opportunities for advanced training and focus on both local and global health issues. Students are prepared to create innovative solutions through multidisciplinary approaches that apply the latest scientific knowledge. All MAS programs will culminate in a final Integrative Activity. The goal of this activity is for students to synthesize knowledge and skills obtained through coursework in a final project that demonstrates mastery of program competencies, as applied to real-world public health and health care questions. Students can complete their degree program in as little as two years, but are allowed up to four years.

Program Contact

Program Director
Elizabeth T. Golub, PhD, MEd, MPH

Academic Program Manager
Christina Potter, MBA
443-287-3068
jhsph.applied-learning@jhu.edu

Deadline: April 15
Average Duration: 2 years
Funding: The OPAL MAS programs have competitive price points and substantial tuition scholarships. The admission application also serves as your scholarship application.

Special Application Requirements: Two years or more post-baccalaureate health-related experience in or focusing on low- and middle-income countries or underserved populations

MAS in Community-based Primary Health Care Programs in Global Health

This program prepares students from diverse backgrounds to fill front-line roles in public, private and NGO sectors that serve developing countries around the world. The reference to primary health care derives from the Alma Ata Declaration on primary health care and its emphasis on communities taking charge of their health and development.

Students will acquire the skills to foster community involvement in health and development, lead community-based approaches and address a broad range of ethical, cultural, political and socio-economic factors related to health for populations in underserved and impoverished communities world-wide. Applicants with community-based health and social program experience are ideal.

Example Job Titles
- Project/Program Officer
- Community Mobilization/Field Officer
- Community Health Specialist
- Public Health Officer
- Development Program Specialist

MAS in Global Health Planning and Management

Students will learn skills to design and implement public health programs and manage the delivery of services in underserved and impoverished communities.

The program will provide learners with the expertise to conduct strategic analysis of public health problems facing underserved populations domestically and internationally. Students will apply capacity building processes, ethical reasoning and social, cultural and political awareness when planning health programs. The courses in this degree program teach skills in systems thinking, design and evaluation, program administration within NGOs and pharmaceutical policy and management.

Example Job Titles
- Public Health Officer
- Health Systems Specialist
- Program/Project Officer
- Program Manager
- Technical Adviser

Special Application Requirements: Two years or more post-baccalaureate health-related experience in or focusing on low- and middle-income countries or underserved populations
MAS in Humanitarian Health

Students will acquire the skills to support and lead humanitarian organizations in service delivery, applied research and public health advocacy in international humanitarian emergencies.

Students will experience training in epidemiology, biostatistics and other content areas that reflect the breadth of public health; practical skills derived from workshops in professional development and content specific to humanitarian settings such as assessment methods, management and leadership and sector-based courses in health, nutrition and food security and water, sanitation and hygiene.

Example Job Titles
• Public Health Officer
• Program Manager
• Health Emergency Officer
• Public Health Adviser
• Humanitarian Affairs Officer
• Cash-Based Intervention Officer
• Monitoring & Evaluation Officer

Special Application Requirements: Two years or more of public health and/or humanitarian experience, experience in development or humanitarian contexts in low-or-middle-income countries (LMICs) preferred

Funding: In addition to the OPAL scholarship, the Center for Humanitarian Health (CHH) has a limited number of scholarships for eligible students from LMICs. Students must submit program application by the priority deadline in order to be considered for this additional CHH scholarship.

MAS in Patient Safety and Healthcare Quality

Upon completion of the program, students will have the skills to measure and improve patient safety and the quality of care. They will be able to describe frameworks and theories for assessing and improving the quality of care, articulate a workable quality improvement and evaluation plan, design solutions and plan for their implementation.

The program will provide learners practical tools and skills in patient safety and health care quality, applying a comprehensive paradigm of the science of safety. They will also obtain training in epidemiology and biostatistics, courses that reflect the breadth of public health and practical skills derived from workshops in professional development.

Example Job Titles
• Director of Quality Management and Patient Safety Officer
• Director or VP of Quality Outcomes/Assurance/Patient Safety
• Patient Safety Officer or Consultant
• RN Director of Clinical Quality Improvement
• Director of Clinical Professional Services
• Quality & Outcome Data Specialist

Special Application Requirements: Three years or more health-related experience

MAS in Population Health Management

Students will gain the skills to identify determinants of population health that impact health outcomes in a community and develop and implement evidence-based, low-cost interventions.

This interdisciplinary program provides students the opportunity to develop advanced skills in population health leadership, management and social and behavioral techniques to engage communities and diverse stakeholders in the organization and delivery of community-based systems of care. Additionally students increase skills in cross-sector collaboration, informatics and quality assessment. These skills are used to articulate and apply frameworks for collecting, analyzing and using data to inform decisions, facilitate care coordination and improve health outcomes of targeted populations.

Example Job Titles
• Physician (Medical Director, Chief Medical Officer) and Nurse Executives (Chief Nursing Officer)
• Manager or Directors of Community Outreach
• Director, Care Management
• Director or Vice President of Population Health
• Director or Vice President of Clinical Integration
• Health Information and Knowledge Management Professionals
• Health Care Finance Professionals
• Health Quality and Performance Improvement Professionals

Special Application Requirements: Three years or more health-related experience

MAS in Spatial Analysis for Public Health

Students are equipped with the skills to understand, map, analyze and interpret spatial data as they relate to public health. The program will provide learners with skill-oriented training in spatial analysis taught through a comprehensive spatial science paradigm to include courses in spatial data, geographic information systems and spatial statistics.

The program also offers training in epidemiology and biostatistics, courses that reflect the breadth and depth of public health and practical skills derived from workshops in professional development.

Example Job Titles
• Environmental Health Officer/Specialist
• Geospatial Analyst/Statistician
• Information Management Officer
• Epidemiologist
• Spatial Science Manager
• Geospatial Database Administrator

Special Application Requirements: Prior quantitative coursework or alternative evidence of quantitative ability
Master of Arts in Public Health Biology

Program Contact
Program Director
Barry Zirkin, PhD

Academic Program Manager
Shannon Gaston
410-955-3972
sgaston1@jhu.edu

Deadline: April 15
Average Duration: 2.5 years

The Master of Arts in Public Health Biology is a fully online, part-time degree program that provides concrete training in biology and public health with particular focus on the application of theory and methods of inquiry. This program delivers the knowledge and tools necessary for graduates to become critically engaged in investigating and addressing longstanding and emerging public health issues that have local, national and global import.

The program is interdepartmental, involving the active participation of the School’s three biological sciences-based departments: Biochemistry and Molecular Biology (BMB), Environmental Health and Engineering (EHE) and Molecular Microbiology and Immunology (MMI).

Example Job Titles
• Laboratory Manager
• Natural Resources Biologist
• Life and Physical Science Technician
• Biological Science Laboratory Technician
• Research Biologist
Master of Bioethics (MBE)

Program Contact

**Program Director**
Travis N. Rieder, PhD

**Senior Academic Coordinator**
Penny White
410-614-5580
pwhite17@jhu.edu

**Deadline:** April 15  
**Average Duration:** 1 year  
**Center Affiliation:** Johns Hopkins Berman Institute of Bioethics

From the ethics of food production to stem cell research, the Johns Hopkins Berman Institute of Bioethics is guiding the conversation about some of the most complex moral and policy issues affecting the health and well-being of people worldwide.

Advances in health care and scientific research benefit people around the world. From the first ventilator to the first vaccine, scientific and technological discoveries have prolonged life and alleviated human suffering while advancing health-related knowledge. However, such advancements often present challenging ethical questions for individuals and society related to appropriate use, access, safety, rights and obligations.

Offered in collaboration with the School of Public Health, the Master of Bioethics (MBE) is an innovative, interdisciplinary and cross-disciplinary graduate program that prepares students from diverse backgrounds to investigate and address the bioethics challenges of professional and civic life.

The MBE provides concrete training in the ethics of clinical care, research, science and public health with a focus on the application of theory and methods of inquiry in bioethics. Graduates are prepared to critically engage in longstanding and emerging ethics issues that have local, national and global import. The program, grounded in real-world challenges, informed by leading edge scholarship, has a diverse faculty and student body bringing lived experiences to the classroom.

**Example Job Titles**
- Research Analyst
- Program Examiner
- Senior Research Program Coordinator
- Neurotechnology Researcher
- Law student at University of Michigan
- Law student at University of Maryland

**Funding:** Applicants wishing to complete the MBE in one year will qualify for a 20 percent tuition scholarship.
Master of Health Administration (MHA)

**Program Contact**

**Academic Coordinator**  
Allison Schoenauer  
410-955-2488  
HPM_Admissions@jhu.edu

**Deadline:** January 15  
**Average Duration:** 2 years  
**Department Affiliation:** Health Policy and Management

The MHA is a professional degree, preparing future healthcare executives for management and leadership positions dedicated to improving health service delivery across all sectors.

The program emphasizes innovation and strategic problem-solving by applying analytical, technical and management skills required to improve the quality, cost-effectiveness and integration of healthcare organizations and systems. The interdisciplinary curriculum brings our early-career students together with physicians, nurses and other healthcare professionals creating a collaborative learning environment.

The accelerated program includes one year of academic coursework followed by an 11-month compensated administrative residency with the student’s choice of healthcare delivery systems or consulting partners.

**Accreditations:** Accredited by the Committee on Accreditation of Healthcare Management Education (CAHME).

**Example Job Titles**

- Operations Supervisor, Heart Institute
- Department of Medicine Manager, Operations and Finance
- Program Administrator, Population Health
- Sr. Consultant, Organizational Strategy and Development
- Finance & Strategy Analyst
- Business Project Specialist

**Funding:** The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition. The Administrative Residency in the second year is a full-time paid position with competitive salaries.

**What is the difference between an MBA and MHA?**

An MBA is a general program that teaches business principles that are applicable to a wide variety of business contexts, including for-profit companies, nonprofit organizations and government. Many MBA programs have concentrations in various disciplines (e.g., marketing, finance) and/or industries (e.g., retail, health care). An MHA prepares students to address complex management and technical issues using many of the same skills as an MBA program (e.g., quantitative analysis, leadership) but focuses exclusively on the health care industry, blending a thorough understanding of patient-centered care with the management skills needed to create and lead a progressive healthcare organization.
Master of Health Science (MHS)

The MHS is a specialized academic degree offered by each academic department of the Bloomberg School. MHS programs focus on a single branch of public health so that students can receive in-depth training in addition to a broad-based perspective of the field.

MHS students range from recent college graduates to mid-career professionals interested in changing or enhancing their careers. Typical MHS graduates go on to research careers or further graduate study.

Biochemistry and Molecular Biology

**Deadline:** April 15  
**Average Duration:** 1 year

The MHS in the Department of Biochemistry and Molecular Biology is designed for students interested in graduate-level preparation for careers in medicine, biomedical research, public health and related health sciences. Curriculum focuses around biochemistry, molecular biology, reproductive biology and the biology of disease and public health. The remainder of the coursework consists of elective classes which allows students the opportunity to take courses in other departments.

**Example Career Paths**
- Med Student
- Research Coordinator
- PhD Candidate

Biostatistics

**Deadline:** December 1  
**Average Duration:** 1 year

The Biostatistics MHS program is intended for outstanding individuals seeking a one-year intensive course of study in biostatistical theory and methods. It is also open to students concurrently enrolled in a doctoral program at Johns Hopkins. Students take a comprehensive written examination and complete a culminating data analysis project documenting the statistical ideas and skills developed in the coursework.

**Example Job Titles**
- Medical Student
- Doctoral Student
- Research Assistant
- Consultant
- Environmental Specialist
- Associate Health Scientist
- Health Systems Program Coordinator

**Funding:** Limited number of partial-tuition scholarships

Environmental Health and Engineering

**Full-time and Part-time Deadline:** April 15  
**Average Duration:** 1 year (full-time) 2 years (part-time)

Students learn how environmental hazards (not only in air, water and food but also neighborhood and social hazards) affect human health at the individual, population and systems level. The MHS provides a foundation upon which to base further education or application of environmental health principles.

Many graduates pursue higher degrees in public health, medicine or law. Others accept positions with government agencies, non-profit enterprises or the private sector. The program may also meet the needs of experienced government or private sector employees who wish to increase their knowledge base to become more qualified in environmental health.

**Areas of Interest:** Human Toxicology, Toxicity Testing and Risk Assessment, Population Environmental Health, Food Systems, Water and Environmental Sustainability, Pre-med

**Example Job Titles**
- Medical Student
- Doctoral Student
- Research Assistant
- Consultant
- Environmental Specialist
- Associate Health Scientist
- Health Systems Program Coordinator

**Funding:** Limited number of partial-tuition scholarships
Epidemiology

Deadline: January 15  
Average Duration: 2 years

Ideal for individuals without or with limited research experience, the MHS in Epidemiology is a two-year, academic degree that focuses on applied epidemiologic methods and permits students a range of options including secondary data analysis for the thesis. Students complete at least 64 credit units in epidemiology and elective courses, pass a comprehensive exam, produce a publishable-quality manuscript, and present their research during the annual poster symposium.

Research Tracks: Cancer Epidemiology; Cardiovascular Disease and Clinical Epidemiology; Clinical Trials and Evidence Synthesis; Environmental Epidemiology; Epidemiology of Aging; General Epidemiology and Methodology; Genetic Epidemiology; Infectious Disease Epidemiology

Example Job Titles
- Epidemiologist
- Data Analyst
- Health Communications Specialist/Health Educator
- Laboratory Supervisor
- Programmer
- Research Coordinator

Funding: The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Health, Behavior and Society

MHS in Social Factors in Health

Deadline: January 15  
Average Duration: 2 years

The MHS in Social Factors in Health is an advanced research degree for students with undergraduate exposure to social and behavioral sciences and/or public health who seek further training in the theory and methods in these areas. The program integrates and applies a broad range of interdisciplinary knowledge and analytical skills in social aspects of public health, with an emphasis on contemporary health problems. Students are prepared to work in public health research or policy or to continue with further academic training in public health or related fields.

Example Job Titles
- Research Associate
- Policy Analyst
- Project Manager
- Doctoral Student
- Foreign Service Officer
- Health Communications Specialist

Funding: The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Graduate Training Programs in Clinical Investigation

MHS in Health Economics and Outcomes Research

Deadline: January 15  
Average Duration: 1 year

The MHS-HEOR is a nine-month program focused in economic evaluation and outcomes research methods for healthcare. This rigorous program develops data analytic and economic modeling skills, as employed in the health policy context. In addition to coursework, students complete an independent capstone project with guidance from faculty using taught methods. Graduates work in public health research, healthcare consulting, pharmaceuticals or insurance industries. Many graduates go on to pursue doctoral study in health services research, health economics or other areas of economics or public health.

Example Job Titles
- Health Economist
- Healthcare Analyst
- Senior Consultant
- Data Analyst
- Research Associate
- Research Fellow

Health Policy and Management

MHS in Health Economics and Outcomes Research

Deadline: January 15  
Average Duration: 1 year

The MHS-HEOR is a nine-month program focused in economic evaluation and outcomes research methods for healthcare. This rigorous program develops data analytic and economic modeling skills, as employed in the health policy context. In addition to coursework, students complete an independent capstone project with guidance from faculty using taught methods. Graduates work in public health research, healthcare consulting, pharmaceuticals or insurance industries. Many graduates go on to pursue doctoral study in health services research, health economics or other areas of economics or public health.

Example Job Titles
- Health Economist
- Healthcare Analyst
- Senior Consultant
- Data Analyst
- Research Associate
- Research Fellow
MHS in Health Finance and Management — Asia-Pacific Program

**Deadline:** January 15  
**Average Duration:** 2.5 years

The MHS in Health Finance and Management, Asia-Pacific Program is a cohort-based collaboration between the Bloomberg School’s Department of Health Policy and Management and our collaborating partner International Educational Promotion Corporation (IEPC), a company located in Taipei, Taiwan. This academic program is designed to give students a foundation in health finance and management through interdisciplinary study.

**Special Application Information:** Please refer to program website for further application information

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**International Health**

MHS in Global Health Economics

**Deadline:** January 15  
**Average Duration:** 1 year

With increasing globalization, there is a growing need for health economists who can translate research into policy and directly inform governments and organizations on the best course of action. Through the MHS in Global Health Economics in the Department of International Health, students learn how health economic principles and applied health cases from around the world are used to address global issues such as migration, displaced persons, climate change, vaccine access, injuries and pandemics. They’ll also learn how health economics can be used to promote healthy lifestyles, positive health outcomes, and equitable access to care.

**Example Job Titles**
- Health Economist
- Research Associate
- Data Analyst
- Doctoral Student

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**Mental Health**

**Deadline:** April 15  
**Average Duration:** 1 year

The Master of Health Science degree is organized around a core set of four terms of graduate courses and a final research paper that demonstrates mastery of what has been learned in the coursework experience. Research is particularly active in the areas of: psychiatric epidemiology; genetic epidemiology of mental and behavioral disorders, cognitive health and aging; psychoactive drug use; school, family and community-based preventive interventions; research methodology; youth violence; women’s mental health and pregnancy; global mental health; child sexual abuse and pedophilia; autism spectrum disorder and research on mental health service systems.

**Example Job Titles**
- Public Health Adviser
- Epidemiologist
- Social Science Analyst
- Healthcare Consultant
- Research Coordinator
- Program Manager

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**Molecular Microbiology and Immunology**

**Deadline:** April 15  
**Average Duration:** 1 year

The MHS program is designed to meet the needs of students who require graduate-level preparation for careers in medicine, research and public health. The program includes a core curriculum that focuses on the biology, immunology and transmission dynamics of major infectious diseases of public health importance. MHS students have ample opportunities to customize their curriculum according to their area of interest by taking advantage of course offerings throughout the Bloomberg School of Public Health, the School of Medicine and the Carey Business School. Students have extensive opportunities to interact one-on-one with faculty and staff for advising, thesis preparation and career development.

For those students who declare an interest in careers in medicine and/or public health, advising and workshops are available.

Students in the MHS program have the option to transfer to the ScM program if they decide to pursue a master’s degree that includes original laboratory or field research.

**Example Career Paths**
- Medical School
- Graduate School
- Research Coordinator
- Research Assistant

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**Population, Family and Reproductive Health**

**MHS in Demography**

**Deadline:** April 15  
**Average Duration:** 1 year

The MHS in Demography is designed to train students in the study of the size, distribution, characteristics and health of human populations. The curriculum covers the causes of demographic change, including underlying changes in demographic behaviors and the consequences of population change for society, the economy, politics and culture. Areas of specific interest within the department include fertility, migration, mortality and demographic methods, especially demographic measurement and analysis. Students develop both qualitative and quantitative knowledge that will enable them to pursue careers in government, nongovernmental health organizations, academia or private organizations.

**Example Job Titles**
- Research Analyst
- Research Scientist
MHS in Population, Family and Reproductive Health

**Deadline:** April 15  
**Average Duration:** 1 year

The MHS is a one-year academic program designed for students who are interested in advancing their knowledge in one of the department’s content areas and strengthening their research and analytic skills. The program is especially well suited to students who wish to improve their potential for career advancement. Students choose one of four methodological approaches: demography; behavioral and social sciences; epidemiology or health services research and evaluation.

**Areas of Interest:** Adolescent Health; Child Health; Maternal, Fetal and Perinatal Health; Population and Health; Women, Sexual and Reproductive Health

**Example Job Titles**
- Program Associate  
- Medical Epidemiologist  
- Research and Evaluation Adviser  
- Program Manager  
- Policy Analyst

**Special Application Requirements:** Applicants must be in the process of earning a PhD or have earned a PhD prior to applying. This program is intended for students with two or three years of public health or related experience to inform their area or research inquiry.

BA/MHS

**Deadline:** July 1  
**Average Duration:** 5 years

**Program Contact**

Director of the Undergraduate Program in Public Health Studies  
Maria Bulzaccelli  
410-516-8340  
mbulzac1@jhu.edu

The Johns Hopkins University Zanvyl Krieger School of Arts and Sciences, in conjunction with the Bloomberg School, offers an undergraduate major in public health studies. The major has been tailored to prepare students for careers that have a basic science foundation, including medicine, and to familiarize students with health policy and management issues (domestic and international), with other social and behavioral sciences and with the quantitative sciences fundamental to public health.

The departments of Environmental Health and Engineering, Epidemiology, International Health, Mental Health and Population, Family and Reproductive Health offer the option of a BA/MHS.

Admitted students must complete their bachelor degree prior to enrolling in the Bloomberg School.

**Special Application Requirement:** Applicants must be Johns Hopkins University undergraduate students with a public health studies major. Students apply between their junior and senior year through SOPHAS Express.
The MPH is a schoolwide program designed to provide students with a population perspective on health. The program prepares students to become leading public health professionals capable of addressing current global public health problems through multidisciplinary approaches using the latest scientific knowledge.

The program culminates in a capstone project that applies competencies and skills acquired through the program to a public health problem relevant to a student’s professional goals and interests.

**Example Job Titles**
- Clinical Research Associate
- Consultant
- Data Analyst
- EIS Officer
- Evaluation Associate
- Executive Director
- Global Product Strategy Senior Manager
- Grants Officer
- Health Policy Analyst
- Hospital Quality Manager
- Medical Officer
- Postdoctoral Fellow
- Program Manager
- Resident Physician

Applicants apply to either the 11-month full-time or the online/part-time format. Both formats have the same application requirements and program requirements. They are the same program with different structures to best suit the student’s needs.

**Full-time Format**

**Deadline:** December 1  
**Average Duration:** 11 months  
Full-time MPH students choose a concentration area or customize their program to meet their own public health goals.

**Concentrations:** Aging and Public Health; Child and Adolescent Health; Epidemiologic and Biostatistical Methods for Public Health and Clinical Research; Food, Nutrition and Health; Food Systems and Public Health; Global Environmental Sustainability & Health; Health in Crisis and Humanitarian Assistance; Health Leadership and Management; Health Systems and Policy; Infectious Diseases; Social and Behavioral Sciences in Public Health; Women’s and Reproductive Health

**Funding:** Limited number of scholarships and endowed funding. The application for admission serves as the application for institutional scholarships.

**Online/Part-time Format**

**Deadlines:**  
- Summer/June Start: December 1  
- Fall/November (Barcelona) Start: July 1  
- Winter/January Start: July 1

**Average Duration:** 2.5 years

Online/part-time students complete the degree through a combination of online and in-person classes.

Students may earn up to 80 percent of their academic credits online. The remaining coursework needs to be completed on the East Baltimore campus during regular terms, through intensive Summer, Fall and Winter Institutes or at other sites where Johns Hopkins Bloomberg School of Public Health courses are offered for credit.
Funding: The Welch Scholarship provides funding for tuition costs and is dispersed incrementally for each credit, with a maximum of 80 credits.

**MPH Combinations**

In addition to the full-time and online/part-time formats, students may choose to apply to the MPH program in conjunction with another master’s degree. Some of the MPH dual degree programs are offered with a specific school or university while others may be partnered with any accredited institution.

- **DVM/MPH** with Ross University School of Veterinary Medicine (RUSVM) and other accredited veterinary schools
  - **Duration:** 5 years
  - **MPH Timing:** After at least two years of veterinary school at an accredited institution or after completing the DVM at RUSVM
  - **Special Requirement:** Applicants must receive permission from the veterinary school to take a leave of absence.

- **JD/MPH** with any accredited law school
  - **Duration:** 4 years
  - **MPH Timing:** After the first or second year of law school
  - **Special Requirement:** Applicants must obtain written approval from the applicant’s law school to take a one year leave of absence.
  - **Application Information:** Applicants apply separately to the JD and to the MPH program. The applications may be submitted simultaneously, or the MPH application may be submitted during the first year of the JD. If applying simultaneously to the MPH and JD, applicants should be sure to complete the MPH application for the correct year.

- **LLM/MPH** with Georgetown Law School
  - **Duration:** 2 years
  - **MPH Timing:** MPH is completed prior to beginning the LLM in Global Health Law at Georgetown
  - **Application Information:** Applicants must apply to the MPH and Georgetown University Law Center’s O’Neill Institute for National and Global Health Law.

- **MBA/MPH** with China Europe International Business School
  - **Duration:** 2 Years
  - **MPH Timing:** After completion of the first year of MBA studies in Shanghai
  - **Special Requirement:** The GRE (preferred) or the GMAT is required for admission. CEIBS’ two years previous full-time work experience takes the place of the MPH’s two years health related experience.

- **MD/MPH** with any accredited U.S. medical school
  - **Duration:** 5 years
  - **MPH Timing:** Between the third and fourth year of medical school
  - **Application Information:** The years of U.S. medical training will fulfill the two years of health experience required for admission.

- **MPH/MBA** with Johns Hopkins Carey Business School
  - **Duration:** 2 years
  - **MPH Timing:** MPH and MBA curriculum integrated
  - **Special Requirement:** Applicants must submit the GRE or GMAT. Applicants apply through SOPHAS and both Schools will review the application independently.

- **MSN/MPH** with the Johns Hopkins School of Nursing
  - **Duration:** 18 months
  - **MPH Timing:** After at least two years of nursing school or after completing the MSN
  - **Application Information:** The application is obtained and submitted through the School of Nursing, although both institutions will review the application. Applicants are strongly encouraged to apply by the School of Nursing’s priority deadline, November 1.

- **MSW/MPH** with the University of Maryland School of Social Work
  - **Duration:** 3 years
  - **MPH Timing:** Between the first and second year of the MSW
  - **Application Information:** Applicants apply separately to the MSW and to the MPH program. The applications may be submitted simultaneously or the MPH application may be submitted during the first year of the MSW. If applying simultaneously to the MPH and MSW, applicants should be sure to complete the MPH application for the correct year.

**Special Admissions Requirements:** In addition to the application instructions found on page 38, MPH applicants must fulfill the following requirements:

- Health-related experience* beyond the baccalaureate level. This requirement may be fulfilled by one of the following:
  - A minimum of two years of full-time, post-baccalaureate, health-related work experience prior to program start
  - A doctoral degree in a field underlying public health
  - Completion of two years of U.S. medical school curriculum

- Successful completion of at least one college-level course in the following:
  - mathematics (e.g., calculus, algebra, statistics)
  - introductory general biology
  - health-related science (e.g., nutrition, microbiology, anatomy or physiology), OR another biology course

Submission of standardized test scores, such as the GRE, MCAT, GMAT or LSAT. MPH applicants who have a graduate degree beyond the baccalaureate may request an application review without the submission of standardized test scores. However, this may place the applicant at a disadvantage in the admission or scholarship selection process.

*The experience requirement is waived for applicants to the MSW/MPH, JD/MPH, LLM/MPH and MSN/MPH degree programs.
Master of Science (ScM)

The ScM degree program is targeted to students interested in building research careers. After approximately one year of coursework, students spend a second year conducting original research that culminates in a thesis worthy of publication. Graduates of ScM programs work in a wide variety of public health research settings.

Biochemistry and Molecular Biology

Average Duration: 2 years

The Master of Science (ScM) has the same course requirements of the Master of Health Science (MHS) degree with an additional year of lab research training that culminates in an original research-based thesis under the guidance of a faculty mentor.

Admission to the ScM is based upon the student’s academic performance and on the student’s ability to secure a lab placement for their research training. Lab placements are limited, and previous bench research is preferred. During the ScM, students will learn some of the newest technologies for cell, molecular and biochemistry research. Techniques include: live cell imaging, super-resolution microscopy, single molecule biochemistry and crystallography, protein/nucleic acid interaction studies and in vivo disease modeling.

Typically, ScM graduates continue their training in healthcare or advanced graduate research study or obtain positions in industry or government.

Example Job Titles
• Medical School Student
• PhD Candidate
• Research Scientist
• Industry Biotechnologist
• Research Technician
• Science Policy Analyst/Advocate
• Science Writer/Journalist

Special Application Information: Applicants may not matriculate directly into this degree. Prospective students should refer to the MHS on page 16.

Funding
The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Biostatistics

Deadline: December 1
Average Duration: 2 years

This ScM is intended for individuals who have demonstrated excellence at the undergraduate level in quantitative or biological sciences and desire a career as a professional statistician. ScM graduates assume positions in academic medical institutions, industry or government, taking lead roles in the design and analysis of scientific research projects.

Example Job Titles
• Biostatistician
• Research Associate
• Data Analyst
• Data Scientist
• Statistical Programmer

Funding
The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Environmental Health and Engineering

ScM in Environmental Health

Deadline: April 15
Average Duration: 2 years

The ScM is intended for students with a serious interest in pursuing research or field work in environmental health. Often these students have previously worked hands-on in laboratory, field or population-based investigations and would like to build upon that experience.

Following one year of course work, students conduct original research under the direction of a faculty mentor which results in a
formal thesis.

Graduates of the program are well-prepared to pursue doctoral degree programs and are also competitive for positions in the private sector, federal agencies and non-governmental organizations.

**Tracks:** Toxicology for Human Risk Assessment; Environmental Health

**Example Job Titles**
- Doctoral Student
- Supervisory Toxicologist
- Pharmaceutical Consultant
- Radiation Safety Officer
- Health Specialist
- Environmental Scientist

**Funding**
The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

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### Health, Behavior and Society

**ScM in Genetic Counseling**

**Deadline:** January 15  
**Average Duration:** 2.5 years

The ScM in Genetic Counseling—a joint effort of HBS and the National Human Genome Research Institute at the National Institutes of Health—prepares graduates for a career in genetic counseling with an emphasis on clients’ psychological and educational needs. The program provides a solid foundation for conducting social and behavioral research related to genetic counseling and equips students with the necessary skills to educate health care providers, policymakers and the public about genetics and related health and social issues.

The curriculum consists of coursework in the areas of human genetics, genetic counseling, health education, communication, ethics, public policy and research methodology. The program also requires a minimum of 400 contact hours of supervised clinical rotations and a thesis study.

**Accreditation:** The ScM in Genetic Counseling is accredited by the American Board of Genetic Counseling and graduates are eligible to sit for board examinations after completion of the program.

**Funding:** Funding is determined by an agreement with NIH and communicated to incoming students.

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### Epidemiology

**Deadline:** January 15  
**Average Duration:** 2 years

Applicants to the ScM in the Department of Epidemiology should have prior research experience, either during an undergraduate degree program or in a full-time position. Students focus their coursework and research in one of the tracks available. ScM students use analytical skills to complete original research for their thesis. Students complete at least 64 credit units in epidemiology and elective courses, pass a comprehensive exam, produce a publishable-quality manuscript, and present their research during the annual poster symposium. Many ScM students continue working in academic research upon graduation.

**Tracks:** Cancer Epidemiology; Cardiovascular Disease and Clinical Epidemiology; Clinical Trials and Evidence Synthesis; Environmental Epidemiology; Epidemiology of Aging; General Epidemiology and Methodology; Genetic Epidemiology; Infectious Disease Epidemiology

**Example Job Titles**
- Research Associate
- Epidemiologist
- Data Analyst
- Survey Researcher
- Statistician
- Health Economist
- Research Coordinator

**Funding:** The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

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### Molecular Microbiology and Immunology

**Deadline:** April 15  
**Average Duration:** 2 years

The MMI ScM program is designed for students who wish to gain a solid didactic background in infectious diseases and guided research experience in the laboratory or field. In addition to coursework that focuses on the biology and pathogenesis of major bacterial, viral, fungal and parasitic diseases. ScM students conduct one laboratory rotation, complete a written comprehensive examination at the end of the first year and complete an original research project under the guidance and mentorship of a member of the MMI core faculty. The MMI ScM program is designed to provide the academic, research and professional experiences and credentials that enhance the competitiveness of students who plan to apply for advanced training in a PhD program or medical school or who are considering upper-level research positions in academia, government or industry.

**Example Job Titles**
- PhD Candidate
- Medical School
- Research Scientist in academia, government and industry
- Science Communication

**Research Areas:** Bacteriology, Immunology, Medical Entomology/Disease Ecology, Mycology, Parasitology, Virology

**Funding:** The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.
Master of Science in Public Health (MSPH)

The MSPH is a professional degree program offered through the individual academic departments. The degree offers an alternative to the MPH degree for students desiring more focused training or who are less experienced. MSPH degrees couple intensive, focused academic training with a field experience, providing students the opportunity to integrate their academic training with real-world public health practice.

Health, Behavior and Society

MSPH in Health Education and Health Communication

Deadline: January 15
Average Duration: 2 years

This program provides specialized formal academic training in health education, health promotion and health communication, with an emphasis on strategies for working with individuals, organizations and communities. Students are equipped with advanced skills in program planning, implementation and evaluation, as well as a solid foundation in behavioral sciences’ principles and theories.

For the final requirement of the program, students complete a practice-based proposal on a topic relevant to their field placement. Students are eligible to sit for the national certification exam to become Certified Health Education Specialists. Part-time applicants are welcome.

Example Job Titles
• Communication Specialist
• Research Program Coordinator
• Training Manager
• Patient Outreach Coordinator
• Evaluation Specialist
• Program Director
• Population Health Research Associate

Funding: The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Health Policy and Management

MSPH in Health Policy

Deadline: January 15
Average Duration: 2 years

The MSPH in Health Policy trains future leaders to develop, analyze and evaluate policies in a range of health and public health settings. Students in this program develop skills in research methods, analysis, and policy formulation, with a strong orientation toward professional practice and opportunities for hands-on policy experience at the federal, state and local levels. Students work in full-time, paid positions in a range of organizations from government to non-profit, consulting, advocacy and administration for the field placement year, offering a seamless transition to a health policy career.

Example Job Titles
• Health Policy Analyst
• Senior Consultant
• Research Associate
• Project Manager
• Social Science Research Analyst
• Health Care Analyst

Funding: The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition. The field placement in the second year is typically a full-time paid position with full-time salaries and benefits.
International Health

Deadline: January 15
Average Duration: 2 years
Funding: The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

Applicants to the MSPH in International Health apply directly to one of four concentrations with the same deadline, program structure and funding. Students may complete the field placement in domestic or international settings, and may complete the MSPH in 1.5 years, if desired.

MSPH graduates pursue doctoral or medical degrees or go to work for bilateral/multilateral health organizations, non-profits or governmental/non-governmental public health institutions.

MSPH in Global Disease Epidemiology and Control (GDEC)
The GDEC concentration trains students to be future leaders in identifying disease etiologies, and in the design, implementation and evaluation of biomedical interventions to prevent, mitigate or treat diseases of global public health importance.

Students become actively engaged with faculty members in the conduct of collaborative research at field sites or work contributing to the development of policy regarding control of important diseases. GDEC faculty and students work in collaboration with international agencies and local partners to tackle morbidity and mortality caused by diseases affecting disadvantaged populations.

Example Job Titles
• Monitoring and Evaluation (M&E) Specialist
• Program Associate (Health, Nutrition, Immunization)
• Public Health Officer
• Research Associate
• Project Associate
• Epidemiologist
• Senior Project Coordinator
• Data Analyst

Special Application Information: Applicants should have undergraduate coursework in biology and quantitative sciences. Some prior international or global health experience is highly desired.

MSPH in Human Nutrition

The Human Nutrition concentration provides students with the theoretical knowledge and state-of-the-art scientific, programmatic, policy and leadership skills for addressing pressing international and domestic challenges in public health nutrition.

Students acquire and apply knowledge and skills in nutritional issues across the life span, the role of nutrients in cells and biologic systems, nutritional epidemiology, socio-cultural aspects of nutrition and food and nutrition policy. Students are challenged to identify and consider solutions to important nutritional problems facing societies in terms of their causes, extent, severity and health effects throughout the life cycle.

Example Job Titles
• Nutritional Epidemiologist
• Public Health Nutritionist
• Nutrition Educator
• Researcher
• Nutrition Information Specialist
• Technical Adviser

MSPH in Social and Behavioral Interventions (SBI)
The Social and Behavioral Interventions concentration offers multidisciplinary training for researchers and public health practitioners who wish to use the social sciences in the design, implementation and evaluation of public health programs, particularly community-based interventions. Students are exposed to applied theory and methods from the fields of social psychology and medical anthropology and sociology. The combined use of qualitative and quantitative methods is a defining characteristic of the program.

The program’s goal is to work in partnership with communities to understand local contexts and develop effective programs that reflect the social, cultural and policy context of health problems.

Example Job Titles
• Program Officer
• Technical Officer
• Consultant
• Fellow
• Monitoring and Evaluation Specialist
• Research Coordinator
• Research Associate

Special Application Information: Applicants should have a prior degree in the health or social sciences. Some prior international or health experience is highly desirable.
**MSPH/Registered Dietitian (RD)**

**Deadline:** December 1  
**Average Duration:** 2 years

The MSPH/RD coordinated program is a collaboration between the Johns Hopkins Bloomberg School of Public Health (JHSPH) and the Dietetics Education Program at the Johns Hopkins Bayview Medical Center (JHBMC). This MSPH option offers students interested in nutrition the opportunity to earn both the MSPH degree in Human Nutrition and complete a 36-week dietetic practicum in public health nutrition in preparation for obtaining the RD credential.

This program is accredited by the Accreditation Council for Education in Nutrition and Dietetics, the accrediting agency for the Academy of Nutrition and Dietetics.

**Example Job Titles**  
- Public Health Dietitian  
- Program Specialist  
- Research Dietitian  
- Clinical Dietitian  
- Nutrition Specialist

**Special Application Requirement:** Bachelor’s degree in nutrition-or science-related field (e.g. biology, chemistry, psychology, public health) and college-level coursework in anatomy and physiology (two semesters), organic chemistry, biochemistry, psychology and/or counselling skills and introductory nutrition (worth 3 credits)

**OR**

Bachelor’s degree in any field and college-level coursework in anatomy and physiology (two semesters), organic chemistry, biochemistry, psychology and/or counselling skills, introductory nutrition (3 credits minimum) and advanced nutrition (defined as a course that requires intro nutrition as prerequisite; also 3 credits minimum)

**Funding:** The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

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**Population, Family and Reproductive Health**

**Deadline:** April 15  
**Average Duration:** 2 years

The two-year curriculum allows students to integrate coursework in life course, population, program management, policy, quantitative methods and core PFRH areas of interest with practical knowledge and skills. Students also choose courses based on their selected area of interest and career goals. The program promotes opportunities for students to engage in public health leadership, community-based research, program evaluation and application of research to current public health programs. Complementing the classroom training is a four-to six-month field placement that may be completed in domestic or international settings. The field placement provides students the opportunity to integrate skills learned in the classroom with practical experience in their areas of interest.

**Areas of Interest:** Adolescent Health; Child Health; Maternal, Fetal and Perinatal Health; Population and Health; Women, Sexual and Reproductive Health

**Example Job Titles**  
- Program Officer  
- Research and Evaluation Specialist  
- Research Assistant  
- Research Analyst  
- Health Policy Consultant

**Funding:** The Master’s Tuition Scholarship is available to students in good academic standing upon their second year of study in a two-year master’s program. The Scholarship provides a 75% discount in the second year’s tuition.

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**BA/MSPH**

**Deadline:** July 1  
**Average Duration** 5 years

The Johns Hopkins University Zanvyl Krieger School of Arts and Sciences, in conjunction with the Bloomberg School, offers an undergraduate major in public health studies. The major has been tailored to prepare students for careers that have a basic science foundation, including medicine.

The departments of Health Policy and Management, International Health, and Population, Family and Reproductive Health will consider JHU undergraduates majoring in public health studies for admission to the BA/MSPH program.

**Special Application Requirement:** Applicants must be Johns Hopkins University undergraduate students with a public health studies major. Students apply between their junior and senior year through SOPHAS Express.
Doctor of Public Health (DrPH)

Program Contact

Program Director
Janice V. Bowie, PhD

Program Manager
Brenda Hedrick, PhD
443-287-5025
JHSPH-DRPH@jhu.edu

Program Coordinator
Angelica Watts
410-955-6964
JHSPH-DRPH@jhu.edu

Deadline: December 1
Average Duration: 5.5 years

As the most advanced, professional qualification in public health, the DrPH prepares early- to mid-career domestic and international public health professionals to assume leadership roles in public health policy and practice positions as well as in health services delivery settings.

The schoolwide DrPH program is a flexible, part-time program delivered through online and intensive, week-long onsite courses in summer and winter institutes (during June and January respectively). Students are expected to remain in relevant public health employment throughout their studies.

Curriculum: The DrPH program is built around foundational competencies that focus on leadership, analytical skills, communication, policy, management and program design and evaluation taught through an integrated sequence of problem-based learning classes that address current public health challenges and provide students with opportunities to apply skills in a close to real life setting. In addition to the foundational courses, students also develop competencies through coursework in a specialized area of study.

Concentrations:

• Environmental Health
  • Health Security Track (optional)
• Health Equity and Social Justice
• Health Policy and Management
  • Healthcare Management and Leadership Track
  • Public Health Informatics Track
  • Quality and Patient Safety Track
• Implementation Science
• Customized

Practice and Research: Combining their practice skills with research, students complete a practicum of their design and submit an evidence-based, practice-oriented dissertation often linked to their places of employment.

Example Job Titles
• Assistant Center Director for Human Health
• Consultant
• Tenure Track Faculty
• Coordinator, Public Health Programs
• Director, Justice, Infrastructure & Environment
• Senior Counsel for Elder Justice
• Director of Patient Safety

Special Application Requirements: Applicants must have an MPH or equivalent degree and at least three years of related, professional public health experience. Most successful applicants have at least five years of work experience.

Funding: The Bloomberg Doctoral Fellows Program is a highly competitive fellowship program for DrPH students currently working with U.S. organizations on the frontlines of one of the Bloomberg American Health Initiative’s five focus areas: addiction and overdose, environmental challenges, obesity and the food system, risks to adolescent health and violence. A separate application process is required for consideration. Students also avail themselves of employer tuition remission benefits, external scholarships and grants, and federal financial aid.
Doctor of Philosophy (PhD)

In the PhD degree program at the Bloomberg School, students focus on the creation of new and innovative knowledge. The program is primarily a degree for individuals with goals in public health research or teaching.

Biochemistry and Molecular Biology

Deadline: December 1
Average Duration: 5 years

The PhD program in the Department of Biochemistry and Molecular Biology is for individuals who wish to prepare for a career in academic research/teaching, government research, pharmaceutical industry research, science policy, science writing and scientific publishing.

In their first year, PhD students complete required coursework, participate in four laboratory rotations selected from more than 30 laboratories located within the School of Public Health or School of Medicine and choose a thesis adviser.

Specialty Areas: Biochemistry and molecular biology, cell biology, genetics, bioinformatics, biophysical techniques, structural biology, biochemical nutrition, reproductive biology, cancer, aging, neurodegenerative diseases and viral, bacterial and fungal infection.

Example Job Titles
• Postdoctoral Fellow
• Research Scientist
• Science Policy Adviser
• Patent Lawyer
• Science Policy Analyst/Advocate
• Science Writer/Journalist
• Biological Sciences Teacher

Special Application Requirement: Students applying to this program should choose the PhD Biomedical Sciences in Public Health as the degree designation in SOPHAS. You can then choose to apply to one or both degree options. Admission decisions will be made separately by each degree program. In your statement of purpose and objectives, please clearly express why you are interested in applying to your selected program(s).

Funding: All full-time PhD students receive the following support: full tuition and fees, individual health insurance, University Health Services fee, vision insurance, dental insurance and a stipend for living expenses for students who remain in good academic standing.

Biostatistics

Deadline: December 1
Average Duration: 5 years

The PhD in Biostatistics provides training in the theory of probability and statistics in biostatistical methodology. The program is unique in its emphasis on the foundations of statistical reasoning and data science. Students complete rigorous training in real analysis-based probability and statistics, equivalent to what is provided in most departments of mathematical statistics and in advanced data science.

PhD candidates are required to pass a comprehensive written examination covering coursework completed at the end of their first year. Research leading to a thesis may involve development of new theory and methodology, or it may be concerned with applications of statistics and probability to problems in public health, medicine or biology.

Example Job Titles
• Assistant Professor
• Postdoctoral Fellow
• Data Scientist
• Statistician
• Biostatistician

Special Application Information: Applicants should have completed undergraduate work in mathematics, computer science or in the biological, physical or social sciences and have strong quantitative skills. Knowledge of calculus, including differential equations, and familiarity with matrix algebra and computer programming are highly desired.
Environmental Health and Engineering

PhD in Environmental Health

Deadline: December 1  
Average Duration: 5 years

PhD students engage in training, research and practice activities in one of two broad areas: Exposure Sciences and Environmental Epidemiology or Toxicology, Physiology and Molecular Mechanisms. Faculty and students evaluate the impact of chemical, biological, physical and psychosocial exposures on human health spanning the breadth of environmental media including food, water and air and encompassing integrating concepts of the built environment and environmental sustainability.

The goal of the PhD training in environmental health is to prepare graduates to be independent investigators who engage in scholarship that creates new knowledge, use research to transform practice and improve environmental health and effectively communicate research findings.

Tracks: Exposure Sciences and Environmental Epidemiology; Toxicology, Physiology and Molecular Mechanisms

Example Job Titles
- Assistant Professor
- Senior Consultant
- Data Scientist
- Environmental Toxicologist
- Epidemiologist
- Postdoctoral Fellow

Funding: All full-time PhD students will receive the following support for the first five years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance.

Graduate Training Program in Clinical Investigation

Deadline: March 1
Average Duration: 4 years

The program is targeted toward internal physician postdoctoral fellows in clinical departments of the School of Medicine. It involves one year of full-time academic classroom work, followed by at least two years of mentored training in clinical research. The combination of a year of instruction and a year of clinicals allows students the scientific grounding for subsequent original research. This research effort is jointly mentored by faculty from the program and a preceptor from the student’s SOM department. After fulfilling all requirements, a Doctor of Philosophy degree in Clinical Investigation is awarded by the Johns Hopkins Bloomberg School of Public Health.

Special Application Requirement: Applicants must hold a postdoctoral fellowship or junior faculty appointment within a Johns Hopkins School of Medicine clinical department.

Funding: GTPCI is one of 60 national recipients of an NIH-sponsored CTSA KL2 Award to support institutional career development programs for physicians and dentists, encouraging them to become independent, patient-oriented clinical investigators. This Multi-disciplinary Clinical Research Career Development Program funds clinical research training for a broad group of physicians, dentists and other scientists who have a doctorate in a health-related field, including pharmacy, nursing, epidemiology and behavioral sciences. The Johns Hopkins KL2 program will provide career development support for junior faculty physicians or dentists from within Johns Hopkins Medical Institutions.

Epidemiology

Deadline: December 1
Average Duration: 5 years

The doctoral program in Epidemiology is anchored in public health and population research and analysis. Students approach research using epidemiologic methods to understand complex human health problems. The PhD requires two years of coursework followed by two to three (or more) years of research. Students are required to complete a teaching training curriculum and serve as a teaching assistant for methods and topical courses. Additionally, students must complete a written comprehensive exam, a practice oral exam, a preliminary exam, multiple oral and poster presentations and a final dissertation including presentation and defense.

Tracks Available: Cancer Epidemiology; Cardiovascular Disease and Clinical Epidemiology; Clinical Trials and Evidence Synthesis; Environmental Epidemiology; Epidemiology of Aging; General Epidemiology and Methodology; Genetic Epidemiology; Infectious Disease Epidemiology

Example Job Titles
- Epidemiologist
- Consultant
- Faculty Member
- Science Director
- Lobbyist
- Health Commissioner

Funding: Admitted PhD students are automatically considered for full funding, including five years of full tuition coverage, a paid research assistantship and individual health insurance.

Health, Behavior and Society

PhD in Social and Behavioral Sciences

Deadline: December 1
Average Duration: 4 years

The PhD program in Social and Behavioral Sciences is designed for individuals seeking training for careers as social and behavioral scientists, health educators and health promotion or communication specialists in the public health arena. The curriculum centers on the application of social and behavioral science perspectives to research on contemporary health problems, with a focus on understanding and influencing the social contexts and behaviors relevant to health. In addition to coursework, students complete a written exam at
the end of the first year and gain experience in research skills and approaches. With faculty guidance, students develop and present a dissertation protocol in an oral exam. The final dissertation defense is conducted as an oral exam that includes a public seminar.

The program provides rigorous training in research methodology and program design and evaluation. Research is primarily focused in two areas—health education and communication, and social and psychological influences on health.

**Example Job Titles**
- Postdoctoral Fellow
- Research Public Health Analyst
- Social Scientist, Food and Drug Administration Center for Tobacco Products
- Health Scientist-Alcohol Program
- Project Director
- Senior Communications Adviser
- Tenure Track Faculty

**Funding:** All full-time PhD students will receive the following support for the first four years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance.

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**Health Policy and Management**

**Deadline:** December 1  
**Average Duration:** 4 years  
**Funding:** All full-time PhD students receive full tuition support, stipend, individual health, dental and vision insurance and the University Health Services clinic fee for four years.

Applicants to the PhD in Health Policy and Management apply directly to one of four concentrations. All four options have the same deadline, structure and funding.

**PhD in Health Policy and Management – Bioethics and Health Policy**

Students and faculty study and conduct independent research on ethical issues in public health policy, research and practice such as domestic and international research ethics, learning health systems, emerging biomedical technologies, ethics and public health genetics, national and global food policy, access to care and health care priority setting. By the end of their PhD training, students are equipped to function as independent researchers, conducting empirical research related to bioethics, public health and health policy, as well as prepared to provide practical and normative recommendations regarding ethics and public health policy.

**Example Job Titles**
- Sustainability and Transition Advisor, USAID
- Senior Program Officer, National Academy of Medicine
- Health Researcher, Mathematica Policy Research
- Assistant Professor

**PhD in Health Policy and Management – Health and Public Policy**

This concentration is designed for students interested in preventing leading public health problems through the development, analysis, implementation and evaluation of public health policies. Faculty affiliated with this concentration employ an interdisciplinary approach to their teaching, research and practice activities, which is reflected by their backgrounds in medicine, epidemiology, political science, sociology, law, environmental health and the risk sciences. Within this concentration, faculty have particular expertise in the following areas: environmental and occupational health policy, injury prevention and control, social policy, and health and the practice of prevention.

**Example Job Titles**
- Postdoctoral Fellow, Violence Prevention Research Program
- Researcher, Institute for Health Metrics and Evaluation
- Policy Researcher, RAND Corporation
- Assistant Professor

**PhD in Health Policy and Management – Health Economics and Policy**

The Health Economics and Policy concentration prepares doctoral students for conducting innovative and rigorous research on the economics of health and healthcare. The curriculum stresses a solid grounding in applied modern microeconomic theory, quantitative methods and econometrics applications, including PhD-level courses from the Department of Economics in the Krieger School of Arts and Sciences.

**Example Job Titles**
- Assistant Professor of Health Economics
- Assistant Professor of Health Policy & Management
- Principle Analyst, Congressional Budget Office
- Associate, Policy Research, RAND Corporation

**PhD in Health Policy and Management – Health Services Research and Policy**

The Health Services Research and Policy concentration prepares students for conducting innovative and rigorous research on the economics of health and healthcare. The curriculum includes exposure to a wide variety of research methods, content areas and datasets. It also offers the opportunity for in-depth study in areas such as public health informatics, organizational theory, quality of care and patient-centered outcomes research, pharmacoepidemiology and economic evaluation and health care disparities. Approximately half of graduates pursue academic careers and others work in government agencies or other health services research organizations.

**Example Job Titles**
- Assistant Professor
- Program Analyst, Department of Health and Human Services Office of Healthcare Finance Policy
- Health Researcher, Mathematica Policy Research
- Research Public Health Analyst, RTI International
International Health

**Deadline:** December 1
**Average Duration:** 4 years

**Funding:** All full-time PhD students will receive the following support for the first four years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance.

The PhD in International Health prepares students to become independent investigators in academic and non-academic research institutions and emphasizes contribution to theory, public health science and implementation science. Applicants to the PhD in International Health apply directly to one of four concentrations. All four options have the same deadline, program structure and funding.

**PhD in International Health – Global Disease Epidemiology and Control (GDEC)**

The PhD in Global Disease Epidemiology and Control prepares students to take leadership positions in important global public health settings with strong research components. Students learn to use epidemiologic, immunologic, laboratory and statistical methods to design, implement and evaluate disease control interventions for diseases of public health importance to underserved populations. Students may earn a Certificate in Vaccine Science and Policy, to understand everything from vaccine clinical research to implementation and evaluation of vaccine programs, in both the U.S. and internationally.

Core content research areas in GDEC include infectious diseases, epidemiology and biostatistics.

**Example Job Titles**
- Epidemic Intelligence Service Officer
- Director
- Tenure-Track Faculty
- Assistant Scientist
- Research Scientist

**Special Application Requirement:** Applicants should have a professional degree in medicine, veterinary medicine or dentistry, or a master’s level degree or equivalent graduate training in epidemiology, statistics, international health, tropical medicine, microbiology, parasitology, immunology, mycology or virology. Prior work experience is preferred.

**PhD in International Health – Health Systems**

The Health Systems program equips students with the technical skills for carrying out cutting edge health policy and systems research and preparing them to take leadership positions in global health settings. The program works to design systems and implement equitable and cost-effective strategies for delivering health care and health promotion interventions to disadvantaged and underserved communities in the U.S. and abroad. This mandate is carried out through research, service and training with and for the populations being served.

Health Systems doctoral research focuses on health policy, health planning, financing, management and evaluation, institution and capacity building, community development and health systems strengthening.

The overall goal of the PhD program is to produce the next generation of leaders in health systems research and practice, particularly in low- and middle-income country settings.

**Example Job Titles**
- Research Fellow
- Assistant Scientist
- Deputy Director
- Managing Director
- Health Specialist
- Tenure-track Professor

**Special Application Requirements:** Applicants should have a prior master’s level degree in biological or health sciences, epidemiology, statistics, international health, tropical medicine, management or social sciences. Some prior international or health systems experience is highly desirable.

**PhD in International Health – Human Nutrition**

Human Nutrition provides students with the theoretical knowledge and state-of-the-art scientific, programmatic, policy and leadership skills for addressing pressing global and domestic challenges in public health nutrition.

Doctoral students acquire and apply knowledge and skills in nutritional issues across the life span, the role of nutrients in cells and biologic systems, nutritional epidemiology, socio-cultural aspects of nutrition and food and nutrition policy. Students are challenged to identify and consider solutions to important nutritional problems facing societies in terms of their causes, extent, severity and health effects throughout the life cycle.

The PhD degree prepares candidates for careers in the design, conduct and publication of innovative research and in public health leadership across diverse areas of applied nutrition.

**Example Job Titles**
- Senior Program Officer
- Senior Nutrition Adviser
- Chief of Nutrition
- Tenure Track Faculty
- Deputy Associate Director for Science

**Special Application Requirements:** Human Nutrition PhD applicants should have a master’s degree in a related field prior to applying or one to two years of experience working in nutrition.

**PhD in International Health – Social and Behavioral Interventions (SBI)**

Social and Behavioral Interventions (SBI) offers multidisciplinary training for researchers and public health practitioners who wish to use the social sciences in the design, implementation and evaluation of global public health programs. The program’s goal is to work in partnership with communities to understand local, social, cultural and policy contexts and develop effective programs. SBI’s primary focus is on the application of theory and data collection into research and public health action. The combined use of qualitative and quantitative methods is a focus of the program. Students also gain a strong foundation in social and behavioral theory and formative research.
Example Job Titles
• Implementation Science Technical Adviser
• Senior Program Director
• Health Scientist at the CDC
• Assistant Professor
• Research Scientist
• WHO Project Officer

Special Application Requirements: Applicants should have a prior master’s level degree in a related field prior to applying.

Mental Health

Deadline: December 1
Average Duration: 5 years

The PhD degree is a research-oriented doctoral degree. In the first two years, students take core courses in the Departments of Mental Health, Biostatistics, Epidemiology and in research ethics and attend weekly department seminars. Students must complete a written comprehensive exam (in January of their second year), a preliminary exam, two presentations and a final dissertation including presentation and defense. Throughout their time in the department, we encourage all doctoral students to participate in at least one research group of the major research programs in the department: Substance Use Epidemiology, Global Mental Health, Mental Health and Aging, Mental Health Services and Policy, Methods, Prevention Research, Psychiatric and Behavioral Genetic Epidemiology, Psychiatric Epidemiology, and Autism and Developmental Disabilities.

Example Job Titles
• Assistant Professor
• Postdoctoral Fellow
• Psychiatric Epidemiologist
• Prevention Scientist
• Social and Behavioral Scientist

Funding: All full-time PhD students will receive the following support for the first four years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance. Stipends are available for students accepted into an NIH-funded training grant in the areas of Psychiatric Epidemiology, and Global Mental Health. Stipends are available for students accepted into an NIH-funded training grant in the areas of Psychiatric Epidemiology, Global Mental Health, Substance Use Epidemiology, Global Mental Health, Mental Health and Aging, Mental Health Services and Policy, Methods, Prevention Research, Psychiatric and Behavioral Genetic Epidemiology, Psychiatric Epidemiology, and Autism and Developmental Disabilities.

Molecular Microbiology and Immunology

Deadline: December 1
Average Duration: 5 years

Training Areas: Molecular and Cellular Basis of Infectious Diseases (MCBID), Malaria and Mosquito-Borne Diseases (MMBD) and Rigorous Immunological & Microbiological Research Investigations (R3IM)

Through a departmental core curriculum as well as research area-specific courses, laboratory rotations, qualifying examinations, mentored research and professional development, all MMI PhD students are prepared to engage in cutting edge research and scholarship that advances knowledge. MMI PhD students hone their scholarship, research and professional skills, whether in the context of MCBID, where they address problems in microbial pathogenesis, immunology and disease transmission; in MMBD, where research is-sues related to malaria, mosquito and arboviral biology are stressed; or in R3IM, which conveys a broad background in immunology and infectious diseases research, with special emphasis on critical thinking, logic, ethics and written and oral skills to help graduates become communicators of complex scientific concepts and agents of change in their workplaces and communities.

Example Job Titles
• Postdoctoral Fellow, Research Associate
• Science Communicator or Writer
• Scientist (academia, industry)
• Specialist in Science Regulatory Affairs
• Faculty, Professor
• Science Advocate (nonprofit agencies)
• Public Health Service (NIH, CDC, FDA)
• Science Policy Fellow

Special Application Instructions: Students applying to this program should choose the PhD Biomedical Sciences in Public Health as the degree designation in SOPHAS. You can then choose to apply to one or both degree options. Admission decisions will be made separately by each degree program. In your statement of purpose and objectives, please clearly express why you are interested in applying to your selected program(s).

Funding: All full-time PhD students will receive the following support for the first four years of the program: stipend, full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance.

Population, Family and Reproductive Health

Deadline: December 1
Average Duration: 5 years

The emphasis of the PhD program is to integrate coursework in life course, population and core PFRH areas of interest with the application of a range of research methods to these areas. Doctoral program requirements also include a core set of courses that cover developmental, demographic and social science frameworks that represent common conceptual foundations for the work of PFRH faculty.

Areas of Interest: Adolescent Health; Child Health; Maternal, Fetal and Perinatal Health; Population and Health; Women, Sexual and Reproductive Health

Example Job Titles
• Epidemic Intelligence Service Officer
• Senior Research Analyst
• Program Officer Evaluation Consultant
• Assistant Professor

Funding: All full-time PhD students will receive the following support for the first four years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance.
Combined Doctoral Degrees

MD/PhD

Program Contact

MD/PhD Program Administrator
Sharon Welling
410-955-8008
swelling@jhmi.edu

The Bloomberg School, in conjunction with the Johns Hopkins School of Medicine, offers the combined MD/PhD degree program. Admitted students complete two years of medical school before pursuing a PhD program full-time at the Bloomberg School. After completion of the PhD degree requirements, students return to the School of Medicine to complete the MD degree. Candidates for the MD/PhD degree must fulfill all of the normal requirements for the PhD degree. Prospective students applying to the Hopkins MD/PhD Program who indicate an interest in pursuing a public health PhD will have their application reviewed by JHSPH faculty members.

PhD/Master’s in International Health

The Department of International Health provides students who are candidates for a PhD degree at Johns Hopkins Bloomberg School of Public Health with the opportunity to earn a Master of Health Science (MHS) in Global Health Economics or a Master of Science in Public Health (MSPH) from the Department of International Health during the course of their doctoral studies.

Candidates must apply directly to, and be admitted by, the Department of International Health. Accepted students must have the permission of their doctoral department to enroll and complete all requirements for the MHS or MSPH degree. The MHS or MSPH must be relevant to the candidate’s field of doctoral study and must not impede progress in the doctoral program. The doctoral program remains the primary program of study for the student.

Doctoral/MHS in Biostatistics

The Department of Biostatistics provides students who are candidates for a doctoral-level degree at Johns Hopkins with the opportunity to earn a Master of Health Science (MHS) degree in Biostatistics during the course of their doctoral studies.

Candidates must apply directly to, and be admitted by, the Department of Biostatistics. Accepted students must have the permission of their doctoral department to enroll and complete all requirements for the MHS degree. The MHS must be relevant to the candidate’s field of doctoral study and must not impede progress in the doctoral program. The doctoral program remains the primary program of study for the student.
Residency

Program Contact

General Preventive Medicine Residency
Program Director
Clarence Lam, MD, MPH

Occupational and Environmental Medicine Residency Program Director
Brian Schwartz, MD, MS
Deputy Program Director
Aisha Rivera Margarin, MD, MS

Residency Program Manager
Dottie Becraft
410-955-3362
dbecraft@jhu.edu

The Bloomberg School offers two residency programs for physicians. Both two-year programs are fully accredited by the Accreditation Council for Graduate Medical Education (ACGME). The first year is primarily an academic year in which coursework toward the MPH degree is completed. The second year is a practicum year during which residents fulfill rotation requirements in various settings, such as public health department, clinical, employer-based, corporate, union and government. Completion of the program leads to eligibility for certification by the American Board of Preventive Medicine.

Deadline: October 15
Average Duration: 2 years

Example Job Titles:
• Medical Director, Health Insurance Agency
• Public Health/Medical Officer, Federal Government Agency
• Research Faculty, School of Medicine or School of Public Health
• Local Health Commissioner
• Bureau Chief or Director, State Department of Health
• Corporate Medical Director
• Plant-based Physician
• Occupational Medicine Clinic Director

Funding: All residents receive full tuition as well as stipend support, as well as individual health, dental, life and disability insurance coverage.

General Preventive Medicine Residency

The General Preventive Medicine Residency (GPMR) prepares physicians in the theoretical, practical and clinical knowledge and skills essential to leadership roles in the design, management and evaluation of population-based approaches to health. Preventive medicine is the medical practice focusing on the health of individuals, communities and defined populations. Its goal is to protect, promote and maintain health and well-being and to prevent disease, disability and death. The GPMR includes dedicated time for residents to complete clinical activities that are focused on population health with entities such as local health departments, medical clinics and a school-based health center.

Occupational and Environmental Medicine Residency

The overall objective of the Occupational and Environmental Medicine Residency (OEMR) is to train specialists for careers in any of the major sectors of the field—academia, industry, government (including military), clinical practice, consulting or labor—and provide expertise in both clinical and population health aspects of occupational and environmental medicine. Trainees in occupational and environmental medicine learn how to prevent and manage injury, illness and disability, while promoting the health and productivity of workers, their families and communities.

Special Admissions Requirement:
Complete SOPHAS applications will be reviewed by the respective residency program and the MPH program. In addition to the application instructions found on page 38, residency applicants must fulfill the following requirements:
• Completed at least one year of ACGME-approved clinical training (PGY-1) prior to commencing residency training
• Medical school dean’s letter (required only for applicants who have not completed a full residency)
• USMLE scores - Steps 1 and 2, (Step 3 preferred; copies should be uploaded to SOPHAS; official USMLE scores should be sent to JHSPH Admissions Office)*

Interviews are required. Applicants selected for interviews are contacted directly by the program office.

*Applicants may use the ERAS system to submit USMLE or COMLEX scores. If you choose to use the ERAS system, you MUST also submit an application to SOPHAS.
Certificate Programs

Certificate programs offer focused academic training in specific areas of public health. They are designed for currently enrolled Johns Hopkins graduate students and/or non-degree students.

A growing number of certificate programs may be completed entirely online.

Our website has the most up-to-date information about start terms, eligibility, admissions and course requirements. After visiting the website you should contact the appropriate certificate program administrator with any questions.

Adolescent Health
Clinical Trials
Community-Based Public Health
Demographic Methods
Environmental and Occupational Health
Epidemiology for Public Health Professionals
Evaluation: International Health Programs
Food Systems, the Environment and Public Health
Gerontology
Global Health
Global Health Practice
Global Tobacco Control
Health and Human Rights
Health Communication
Health Disparities and Health Inequality
Health Education
Health Finance and Management
Healthcare Epidemiology and Infection Prevention and Control
Humane Sciences and Toxicology
Humanitarian Health
Injury and Violence Prevention
International Healthcare Management and Leadership

**Application Information:** Certificate programs utilize SOPHAS Express and vary in requirements regarding English language proficiency and prerequisite requirements. All applicants must supply an anticipated course schedule, transcripts from all previously attended institutions and one letter of recommendation. Please refer to the certificate website’s How to Apply page to confirm application requirements.

Lesbian, Gay, Bisexual, Transgender, and Queer (LGBTQ) Public Health
Maternal and Child Health
Mental Health Policy, Economics and Services
Pharmacoepidemiology and Drug Safety
Population and Health
Population Health Management
Public Health Advocacy
Public Health Economics
Public Health Informatics
Public Health Practice
Public Health Preparedness
Public Health Training Certificate for American Indian Health Professionals
Public Mental Health Research
Quality, Patient Safety and Outcomes Research
Quantitative Methods in Public Health
Risk Sciences and Public Policy
Spatial Analysis for Public Health
Training Certificate in Public Health
Tropical Medicine
Vaccine Science and Policy

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<tr>
<th>Application Deadlines for Certificate Programs</th>
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<td>Summer Institute</td>
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<td>Summer Term</td>
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<td>First Term</td>
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<td>Second Term</td>
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<td>Winter Institute</td>
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<td>Third Term</td>
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<td>Fourth Term</td>
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</table>

*Certificate program may be completed online
†Certificate program is part of the Online Programs for Applied Learning
Life in Baltimore

History

Baltimore was founded in 1729 and quickly became a major port exporting tobacco and other early American goods.

From its beginning, the city played a major role in U.S. history. Baltimore was the site of a Continental Congress in 1776. In 1814, it became the birthplace of the national anthem. In 1827, a group of merchants founded the Baltimore & Ohio, the first common carrier railroad in the U.S. In 1873, the director and largest investor of that railroad died, leaving a legacy that established a university and hospital in his name: Johns Hopkins.

Culture

Art lovers rejoice! Baltimore has a vibrant arts community, which includes a number of world-class museums. Three that immediately come to mind are the Baltimore Museum of Art, Walters Art Museum and the American Visionary Art Museum.

For those who enjoy the theater, Broadway shows are presented at the France-Merrick Performing Arts Center/Hippodrome Theatre. Contemporary drama and traditional gems are produced by the professional resident company at Center Stage, as well as many smaller local venues.

Fine music is available from the Baltimore Symphony Orchestra, the Baltimore Chamber Orchestra, the Concert Artists of Baltimore and the Baltimore Choral Arts Society. Baltimore regularly attracts outstanding jazz, folk and rock artists, as well as ballet companies.

But if you’re looking for culture, you needn’t leave Johns Hopkins University. The university and medical institutions host a variety of art exhibits, performances, workshops, lectures and film series. Many of these cultural programs are open to the general public as well as to students, faculty and staff.

If you want a mix of history and culture, head down toward the harbor and visit the Reginal F. Lewis Museum of Maryland African American History and Culture.

Recreation

Baltimore is home to Major League Baseball’s 2014 American League Champions, the Baltimore Orioles. The National Football League’s Ravens also call Baltimore home. Each team has its own state-of-the-art stadium in Camden Yards, just west of the Inner Harbor.

If the great outdoors calls you, there are approximately 6,000 acres of public parkland in the city. Parks include Druid Hill, Patterson and Cylburn Arboretum. The state of Maryland offers an additional 66 parks, all within a few minutes’ to a few hours’ drive of the city.

B’more Facts

Population: 611,664

Climate

• Baltimore experiences all four seasons.
• Average Winter Temperature: 38.1°F, with 2-3 snowfalls
• Average Summer Temperature: 79.3°F, with high humidity
• Average Rainfall: 40.72 inches

Location

• One-hour train ride to Washington, D.C., or Philadelphia
• 45-minute drive to Annapolis, Md. (the state capital)

City Nicknames: Charm City, City of Firsts, City of Neighborhoods, Monument City

Trivia

• Home to the first post office system (1774)
• Established the first dental school in the world (1840)
• Place of Edgar Allan Poe’s mysterious death and burial
• Birthplace of the snowball which led to slushies, snow cones and shaved ice
• Home to Mr. Trash Wheel and Family who have collected more than 1,100 tons of trash and debris from the Inner Harbor and local waterways
Life at Hopkins

SOURCE

At the nexus of the Bloomberg School’s community engagement is SOURCE, the Community Engagement and Service-Learning Center for the JHU schools of Public Health, Nursing and Medicine. SOURCE engages the JHU health professional schools and Baltimore communities in mutually beneficial partnerships that promote health and social justice. The Association of Schools and Programs of Public Health recognized the faculty, staff and students’ commitment to Baltimore with the 2019 Harrison C. Spencer Community Service Award.

The 100 community-based organizations in SOURCE’s partnership network are located throughout Baltimore, and many are near the Johns Hopkins Medical Institutions. SOURCE provides opportunities for students to enrich their education by applying theory to practice and helps students develop an appreciation for working with community-based groups through community service, volunteer positions, internships, practicum experiences, federal work-study opportunities, research, short-term consultancies and academic service-learning courses.

Students who work with SOURCE can apply their community outreach and public health skills to make an impact in Baltimore. The community-based organizations that partner with SOURCE include advocacy organizations, chronic/infectious disease prevention groups, community clinics, environmental organizations, mental health organizations, public schools, family and adolescent health organizations and more. SOURCE also partners with dozens of service-based student groups. A full directory of partnering community-based organizations and student groups is available online at SOURCE.jhu.edu.

Student Services

In addition to providing excellent academic resources and opportunities, several offices at the Bloomberg School work to bridge a student’s academic life with their personal life. By engaging with the School’s departments, the Johns Hopkins Student Assistance Program (JHSAP), Student Assembly, Career Services, Student Life and Disability Support Services, students can find the support and confidence they need to become public health leaders.

The Office of Student Life provides one-on-one coaching, personal advising and workshops that encourage self-care and development while supporting students and trainees in successfully navigating, academic, personal and professional environments here at JHSPH and beyond.

When pressures or difficulties arise, JHSAP is a life management resource that helps students identify and manage challenging issues in healthy ways. By providing short-term counseling, crisis response, school-life coaching and adjustment and more, JHSAP can provide all JHU students with convenient and confidential support.

Staff in the Career Services office provide career coaching and assist students in finding the opportunities and experiences that will provide the background and training required for a desired goal after graduation. In addition to providing workshops on how to network, negotiating a job offer and resume building, each year Career Services hosts the Career Fair that provides students and alumni the opportunity to speak with companies actively hiring public health professionals.

Student Assembly and Student Groups

Student Assembly provides students with the opportunity to play an integral role in the Bloomberg School. With the mission to represent, preserve and promote the interests of all students at the Bloomberg School, Student Assembly works with school leadership as well as students to formulate and protect policies for students as well as enrich student life.

There are over 45 different student groups for Bloomberg students to become involved in the school and community outside the classroom. Social groups like Hopkins Honey and Hopkins Marathon Team focus on hobbies, while Students United for Refugee Rights is a platform that allows students to make a positive impact on the lives of refugees in their community. Minority student groups (Biomedical Scholars Association, Black Graduate Student Association, Latino Public Health Network and Native Circle) support minority students academically, professionally and socially. A full list can be found on the School’s website.

Social Media

Use your favorite social media to follow news, events and student life at the Bloomberg School.

@JohnsHopkinsSPH
@JohnsHopkinsSPH
@JohnsHopkinsSPH
How to Apply

Application

The Bloomberg School utilizes the Schools of Public Health Application Service (SOPHAS). All supporting materials must be submitted to SOPHAS. A complete application consists of:

Submission of SOPHAS Application

The SOPHAS application features many parts in addition to biographical information. Most notable are the resume or curriculum vitae and statement of purpose and objectives. When completing the academic history, it is best to fill out the information with a copy of the transcript as applicants will be required to enter course names, credit information and grades. As part of the application verification process, SOPHAS ensures that the academic history matches the official transcripts. Applicants should review SOPHAS’s FAQs on completing the academic history.

Official Transcripts

Regardless of the number of credits taken or whether the credits/grades appear on another transcript, the School requires official academic transcripts from all colleges, universities, graduate or professional schools attended.

Transcripts from institutions outside the U.S. or Canada must undergo a course by course (ICAP) credential evaluation. Credential evaluations can take three months or more to complete. WES is the preferred credentialing agency; however, Admissions Services will accept evaluations from other credentialing agencies with prior approval from our School. It is important that all post-secondary work is evaluated. Should any problems arise while obtaining the course by course credential evaluations, please contact the Admissions Services office.

Standardized Test Scores

The majority of degree programs require a standardized test score. The GRE is the most universally accepted; however, review the charts below to ensure you submit the proper test score. Please note that GRE and GMAT scores expire five years from the test date and are no longer valid after expiration.

Three Letters of Recommendation

The letters of recommendation can come from academic or professional contacts. Letters must be submitted directly to SOPHAS.

Doctoral Degree Standardized Test Application Requirements

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<tr>
<th>Program</th>
<th>Test Requirement</th>
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<tr>
<td>DrPH</td>
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<tr>
<td>Biochemistry and Molecular Biology*</td>
<td>GRE Optional†</td>
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<tr>
<td>Biostatistics</td>
<td>GRE</td>
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<tr>
<td>Environmental Health and Engineering</td>
<td>GRE Optional†</td>
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<tr>
<td>Epidemiology</td>
<td>GRE or MCAT</td>
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<tr>
<td>Graduate Training Programs in Clinical Investigation</td>
<td>USMLE and GRE or MCAT</td>
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<tr>
<td>Health, Behavior and Society</td>
<td>GRE</td>
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<tr>
<td>Health Policy and Management</td>
<td>GRE</td>
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<tr>
<td>International Health</td>
<td>GRE</td>
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<td>Mental Health</td>
<td>GRE or MCAT</td>
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<tr>
<td>Molecular Microbiology and Immunology*</td>
<td>GRE Optional†</td>
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<tr>
<td>Population, Family and Reproductive Health</td>
<td>GRE or MCAT</td>
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<tr>
<td>Residency Programs</td>
<td>USMLE* Steps 1 &amp; 2, Step 3 Preferred</td>
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<tr>
<th>Program</th>
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<tr>
<td>PhD</td>
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<tr>
<td>Biochemistry and Molecular Biology*</td>
<td>GRE Optional†</td>
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<tr>
<td>Biostatistics</td>
<td>GRE</td>
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<td>Molecular Microbiology and Immunology*</td>
<td>GRE Optional†</td>
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<td>GRE or MCAT</td>
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<th>Program</th>
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<tr>
<td>MPH</td>
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<tr>
<td>Health, Behavior and Society</td>
<td>GRE</td>
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<td>Health Policy and Management</td>
<td>GRE</td>
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<td>International Health</td>
<td>GRE</td>
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<tr>
<td>Population, Family and Reproductive Health</td>
<td>GRE or MCAT</td>
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<tr>
<td>ScM</td>
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<tr>
<td>Biostatistics</td>
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<td>Environmental Health and Engineering</td>
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<tr>
<td>Epidemiology</td>
<td>GRE or MCAT</td>
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<tr>
<td>Health, Behavior and Society (Genetic Counseling)</td>
<td>GRE</td>
</tr>
<tr>
<td>Molecular Microbiology and Immunology*</td>
<td>GRE or MCAT Optional†</td>
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</tbody>
</table>

*Students applying to these programs should choose the PhD Biomedical Sciences in Public Health as the degree designation in SOPHAS. You can then choose to apply to one or both degree options. Admission decisions will be made separately by each degree program. In your statement of purpose, please clearly express why you are interested in applying to your selected program(s).

†The admission committees will make no assumptions if a GRE score is omitted from an application, but inclusion of a good score may improve the application package of a candidate with deficiencies in some areas.

‡COMLEX may be submitted in lieu of the USLME scores.
via the recommender portal. The letters of recommendation should be general, as they are not program specific and will be sent to any program you apply to using the SOPHAS application.

**English Language Proficiency Exam**
Applicants from countries where English is not the official language or who have not completed a four-year degree in the U.S. must submit a valid TOEFL or IELTS score. Please note that scores expire two years after the test date.

**Timing**
Admissions Services highly recommends applicants apply early. While SOPHAS and test score agencies are electronic systems, the process remains manual. Official test scores can take four to six weeks to arrive at SOPHAS after the test date and SOPHAS must upload transcripts. Verification, SOPHAS's process to confirm the validity of documents and academic history, may take up to six weeks. For applicants requiring a credential evaluation, some students find the credentialling process takes more than three months.

Deadlines vary by program. Please carefully review the chart on page 40 to ensure all materials are received by the deadline.

**Multiple Applications**
The Bloomberg School recommends that you take your time researching our offerings and focus on the program that best suits your goals and interests. You may, however, apply to more than one program and/or concentration. *If you apply to more than one, it is strongly encouraged you apply to no more than three programs.*

Please be aware you will be required to pay nonrefundable separate application fees for each program to which you apply. You will also want to submit separate statements of purpose and objectives explaining your interest in each specific program.

**Application Status**
After you submit your application, you will receive an email from Admissions Services with a link to your personal page. There you will be able to monitor your application and status throughout the entire application process.

Once you submit your application, you may also monitor its status by logging back into your online application account. However, our school and program requirements exceed those of SOPHAS and SOPHAS Express. For the most accurate information, monitor your status via your personal page.

If you have questions at any stage in the application process, please feel free to contact us.

**Admissions Decisions**
Once the application has been submitted and all required materials are received and processed, the application will be marked complete and sent to the department for review. Decisions may take eight to 10 weeks. Once a decision has been made, applicants will be notified via email.

**Applying as a “Special Student Limited”**
A Special Student Limited is a type of non-degree seeking student interested in taking courses for academic credit. The Bloomberg School allows students to take up to 16 units of credit as a Special Student Limited. Special Student Limited students apply directly through the School.

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**Visit Us**

**Guided Tours**
Sign up to talk with an admissions representative as you take a walk around our School.
[www.jhsph.edu/admissions/visit/campus-tour](http://www.jhsph.edu/admissions/visit/campus-tour)

**Fall Open House**
Spend the day touring the School and meeting Bloomberg faculty and staff. [www.jhsph.edu/admissions/visit/open-house](http://www.jhsph.edu/admissions/visit/open-house)

**Recruitment Calendar**
Our recruiters travel far and wide. Meet them in your area! [www.jhsph.edu/admissions/meet-jhsph-in-your-area](http://www.jhsph.edu/admissions/meet-jhsph-in-your-area)

**University Calendar**
Join the Bloomberg School for an upcoming lecture or special event. [http://calendar.jhu.edu/calendar](http://calendar.jhu.edu/calendar)

**Admitted Student Visitors Days**
These events allow admitted students to learn more about our unique School and ask specific questions. We will provide event information and resources to students after they’ve been admitted.
# 2020-2021 Application Deadlines

## Doctoral Programs

All doctoral programs have a **December 1** deadline, except for the PhD in Clinical Investigation, which has a **March 1** deadline.

## Master’s Programs

*Programs have final deadlines that extend beyond the dates listed below. Please refer to the program website for the final deadline.*

<table>
<thead>
<tr>
<th>Degree and Department</th>
<th>Dec 1</th>
<th>Jan 15</th>
<th>Mar 1</th>
<th>Apr 15</th>
<th>Jul 1</th>
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<tbody>
<tr>
<td>MAS*</td>
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<tr>
<td>MA in Public Health Biology*</td>
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<tr>
<td>MBE*</td>
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<tr>
<td>MHA</td>
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<tr>
<td>MHS</td>
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<tr>
<td>Biochemistry and Molecular Biology*</td>
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<td>Biostatistics</td>
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<td>Environmental Health and Engineering*</td>
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<td>X</td>
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<tr>
<td>Epidemiology*</td>
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<tr>
<td>Graduate Training Programs in Clinical Investigation</td>
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<td>Health, Behavior and Society*</td>
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<tr>
<td>Health Policy and Management</td>
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<tr>
<td>International Health*</td>
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<td>X</td>
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<tr>
<td>Mental Health*</td>
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<tr>
<td>Molecular Microbiology and Immunology*</td>
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<tr>
<td>Population, Family and Reproductive Health</td>
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<tr>
<td>MPH</td>
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<tr>
<td>Full-time (late June/Early July Start)*</td>
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<tr>
<td>Online/Part-time (June Start)*</td>
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<tr>
<td>Online/Part-time (Jan. Start)</td>
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<td>Online/Part-time (Nov. Barcelona Start)</td>
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<tr>
<td>MSPH</td>
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<td>Health, Behavior and Society*</td>
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<tr>
<td>Health Policy and Management</td>
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<td>X</td>
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<tr>
<td>International Health MSPH/RD</td>
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<td>X</td>
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<tr>
<td>International Health*</td>
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<tr>
<td>Population, Family and Reproductive Health</td>
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<tr>
<td>ScM</td>
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<td>Biostatistics</td>
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<td>Environmental Health and Engineering*</td>
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<tr>
<td>Epidemiology*</td>
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<tr>
<td>Health, Behavior and Society (Genetic Counseling)</td>
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<tr>
<td>Molecular Microbiology and Immunology</td>
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## Residency Applicants

Residency applicants should submit their application no later than October 15.

## Combined Bachelor’s/Master’s Applicants

All Johns Hopkins University public health studies students interested in the BA/MHS or BA/MSPH programs should apply during the summer between their junior and senior years. The application deadline is July 1.

### †Biomedical Sciences in Public Health

Students applying to the
- PhD in Biochemistry and Molecular Biology
- PhD in Molecular Microbiology and Immunology

should choose the PhD Biomedical Sciences in Public Health as the degree designation in SOPHAS. You can then choose to apply to one or both degrees. Admission decisions will be made separately by each degree program. In your statement of purpose and objectives, please clearly express why you are interested in applying to your selected program(s).

### ‡January Start for Departmental Master’s Programs

The following programs offer a part-time format with a January start date:
- MBE from the Berman Institute of Bioethics
- MSPH in Health Education and Health Communication from the Department of Health, Behavior and Society

The deadline for these programs is October 15 for the January start date.
Tuition and Funding

Tuition 2019-2020

Doctoral, MAHPB, MBE, MHA, MHS, MSPH, ScM

<table>
<thead>
<tr>
<th></th>
<th>9-Month Academic Year, 4 Terms</th>
<th>12+ Credits, Per Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>$55,776</td>
<td>$13,944</td>
</tr>
<tr>
<td>Part-time</td>
<td>$1,162 per credit</td>
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</table>

Master of Public Health

<table>
<thead>
<tr>
<th></th>
<th>11-Month MPH, 5 Terms</th>
<th>12+ Credits, Per Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>$69,720</td>
<td>$13,944</td>
</tr>
<tr>
<td>Part-time</td>
<td>$1,162 per credit*</td>
<td></td>
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</table>

*$912 per credit with Welch Scholarship

Online Programs for Applied Learning (OPAL)

<table>
<thead>
<tr>
<th></th>
<th>Per Credit</th>
<th>Maximum Scholarships per Credit</th>
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</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>$1,162</td>
<td>$446</td>
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</table>

Special Students/Others

<table>
<thead>
<tr>
<th></th>
<th>12+ Credits, Per Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full-time</td>
<td>$13,944</td>
</tr>
<tr>
<td>Part-time</td>
<td>$1,162 per credit</td>
</tr>
</tbody>
</table>

2019-2020 Estimated Living Expenses

The estimated living costs were developed in compliance with the federal regulations used to determine a single student’s eligibility for federal student aid. The dollar amounts listed below are estimates only; actual costs may vary.

<table>
<thead>
<tr>
<th></th>
<th>9 Months</th>
<th>11 Months</th>
</tr>
</thead>
<tbody>
<tr>
<td>Room</td>
<td>$10,350</td>
<td>$12,650</td>
</tr>
<tr>
<td>Food</td>
<td>$4,500</td>
<td>$5,500</td>
</tr>
<tr>
<td>Transportation</td>
<td>$3,600</td>
<td>$4,400</td>
</tr>
<tr>
<td>Books and supplies</td>
<td>$2,000</td>
<td>$2,500</td>
</tr>
<tr>
<td>Insurance</td>
<td>$3,360</td>
<td>$4,032</td>
</tr>
<tr>
<td>Personal</td>
<td>$2,025</td>
<td>$2,475</td>
</tr>
<tr>
<td>Total</td>
<td>$25,835</td>
<td>$31,557</td>
</tr>
</tbody>
</table>

Financial Aid Office

The Financial Aid Office provides assistance with need-based aid, federal and private loans and the Federal Work-Study Program. They provide information on their website and friendly advice by email (jhsph.finaid@jhu.edu).

Baltimore Public Health Scholarship and Public Health Grants

There are a limited number of need-based scholarships for eligible first-year, full-time master’s students. The Baltimore Public Health Scholarship can provide full tuition to Baltimore City High School graduates. The Public Health Grant provides partial tuition awards to applicants who demonstrate high levels of financial need.

PhD Funding

All full-time PhD students will receive the following support for the first four years of the program: full tuition, individual health insurance, University Health Services clinic fee, vision insurance and dental insurance. Some departments offer additional funding for their PhD students. Please check the department of interest’s website for more information.

Scholarships

Bloomberg School Scholarships are almost always awarded through the academic departments. The availability of such funds varies by degree, department and academic year. Your application for admission also serves as your application for departmental funding.

To learn more about scholarship availability specific to your interests, contact the appropriate academic coordinator.

Bloomberg Fellows Program

The Bloomberg American Health Initiative is an effort to make progress on five major challenges facing health in the U.S.: addiction and overdose, environmental challenges, obesity and the food system, risks to adolescent health and violence. The program is designed for MPH and DrPH applicants who are currently working with U.S. organizations on the front lines of one of these five challenges. A separate application process is required for consideration.

Brown Scholars

The C. Sylvia and Eddie C. Brown Community Health Scholarship is designed to train African American leaders committed to eliminating health inequalities in Baltimore and other cities. Each year, scholarships are awarded to doctoral students who have an interest in improving the health and quality of life of underserved, vulnerable and low-income populations.

Sommer Scholars

Named in honor of Alfred Sommer, Dean Emeritus of the Johns Hopkins Bloomberg School of Public Health, the Hopkins Sommer Scholars Program aims to develop the next generation of public health leaders. Ten MPH candidates are awarded scholarships each year. Students are selected for their superior academic abilities and leadership potential.

Master’s Tuition Scholarship

Some departments offer a Master’s Tuition Scholarship (MTS) to students in good academic standing pursuing their second year of study in a two-year master’s program. The scholarship provides up to 75 percent discount in the second year’s tuition.

Welch Scholarship

The Welch Scholarship is designated for tuition costs and will be disbursed incrementally for each credit (up to 80 credits) for students enrolled in the online/part-time MPH program. This funding can be used for online, in-person, institute or regular term courses.

Outside Funding

While the School and its departments are able to provide funding for many of their students, unfortunately there are those we are unable to fund. We encourage these students to seek funding from appropriate external groups who help fund students through various means.
Helpful Contacts

Bloomberg School Student Affairs

Student Affairs Main Line
443-287-7277

Admissions Services
410-955-3543
jhsph.admiss@jhu.edu

Career Services
410-955-3034
jhsph.careers@jhu.edu

Disability Support Services
410-502-6602
jhsph.dss@jhu.edu

Financial Aid
410-955-3004
jhsph.finaid@jhu.edu

Records and Registration
410-955-3552
jhsph.registra@jhu.edu

Student Life
410-502-2487
jhsph.diverse@jhu.edu

Additional Schoolwide Offices

SOURCE
(The Community Engagement and Service-Learning Center for the JHU schools of Public Health, Nursing and Medicine)
410-955-3880
SOURCE@jhu.edu
http://SOURCE.jhu.edu

Student Accounts and Business Services
410-955-5725
jhsph.bursar@jhu.edu

Johns Hopkins Medical Institutions

Housing Office
410-955-3905
www.hopkinsmedicine.org/som/students/life/housing

International Services
667-208-7012
http://ois.jhu.edu

Office of International Services Ambassadors
ois@jhu.edu
http://ois.jhu.edu/News_and_Events/OIS_Ambassadors/Incoming_Students/

Additional Resources

Admissions Blog
Get application tips and learn about student life!
www.jhsph.edu/admissions/admissions-blog

JHSPH Student Web Pages
Peruse a sample of current students, their degree programs and research interests. Contact them to ask any School-related questions you may have.
www.jhsph.edu/admissions/connect-with-current-students

JHSPH Faculty Pages
As recognized experts in fields ranging from AIDS to vitamin A, our faculty provides insight and information to news organizations, prospective and current students and the community at large. Search the faculty directory by name, department or keyword.
www.jhsph.edu/faculty/directory/list

Interactive Map of Worldwide Research
Our faculty and students engage in a wide range of public health initiatives in more than 130 countries. The Global Projects Map provides a glimpse of where and what they’re doing.
www.jhsph.edu/faculty/research/map

Course Information
Find out what courses are currently being offered at the Bloomberg School.
www.jhsph.edu/courses

Subscribe to the Magazine
Browse and subscribe to our award-winning magazine.
http://magazine.jhsph.edu

Prospectus Team

So many people contribute to this publication, we would need another 42+ pages to name them all.
We hope they know how much their efforts are appreciated.

Our core team is as follows:

Managing Editor
Taryn Mallonee

Editor, Design & Production
Sarah Diane Sadowsky

Associate Editor
Lauren Black

Photos:
Birabrata Das
Daniel Goddard
Louisa Liu
Syed Ziaul Habib Roobon
Avijit Roy
Sarah Diane Sadowsky
Admissions Services
Student Affairs
615 N. Wolfe Street, Suite E1002
Baltimore, MD 21205-2179
jhsph.admiss@jhu.edu
www.jhsph.edu/admissions

Walk-in Office Hours
Monday-Friday, 8 a.m.-4 p.m.

Phone Inquiries
410-955-3543
Monday-Friday, 8 a.m.-12 p.m.