RISING TO THE CHALLENGE: A CALL TO ACTION

Rising to the Challenge: The Campaign for Johns Hopkins will raise unprecedented levels of support to attract, sustain, and empower the students and faculty of Johns Hopkins, who through their work improve the lives of millions around the world. Together with our philanthropic partners we will:

ADVANCE DISCOVERY AND CREATIVITY
through support of our exceptional faculty. Their innovative work drives the development of new knowledge, new forms of expression, and new ways to save lives and improve health across our core disciplines in science and technology, the humanities and arts, and public health and medicine.

ENRICH THE STUDENT EXPERIENCE by investing in scholarships and fellowships, inspirational spaces for collaborative learning and social opportunities, and new programs that will enhance student-faculty interactions, ensure diversity on campus, link learning in the classroom to life after graduation, and strengthen connections between our students and our communities.

SOLVE GLOBAL PROBLEMS AS ONE UNIVERSITY by creating new cross-disciplinary solutions in crucial areas such as sustaining global water resources, revitalizing America’s cities, advancing the health of individuals and populations, and understanding how we learn and teach.

With your help, the Bloomberg School will play a key role in the success of the campaign.
MPH PROGRAM AT A GLANCE

Chair: Marie Diener-West, PhD

Size and scope: 500+ full-time faculty and 650+ students (250 full-time, 400+ part-time/online)

Available full-time at JHSPH or part-time via online courses and intensive on-site institutes.

Of note: Oldest MPH program in the world, at the school of public health consistently ranked #1 by U.S. News & World Report.

PROGRAM PROFILE

Johns Hopkins School of Public Health alumni have made headlines as leaders and discoverers of many of the most far-reaching public health advances of the last century: developing effective synthetic anti-malarial drugs, eradicating smallpox, preventing blindness and mortality in millions of children with 4-cent doses of vitamin A. Yet Johns Hopkins’ most fundamental contribution to global health has never even made the news: its outstanding educational programs to train the U.S. and foreign health professionals who have built the essential programs and institutions for public health and medical services, research, and training worldwide.

Since its founding in 1916, the Johns Hopkins Bloomberg School of Public Health has amassed an unparalleled wealth of experience as the leading training center for U.S. and foreign public health professionals. It is the world’s oldest and largest school of public health, and the Hopkins model of graduate public health education has been adopted by most schools around the globe.

The premier degree program, the Master of Public Health, prepares students to become leading public health professionals who can address current and emerging global public health challenges through multidisciplinary approaches grounded in rigorous scientific principles. Hopkins MPH students apply their knowledge and skills to solve real-world problems and integrate their competencies in a culminating capstone project. Recent projects have included conducting a needs assessment for a rural health care organization in Nepal, designing an operational analysis for a community-based child acute respiratory infection management program in Maharashtra, India, and providing technical support for the HIV/AIDS Initiative Project to develop the master pediatric treatment protocol for Ethiopian children living with HIV.

At most schools of public health, individual departments award the MPH, but Johns Hopkins holds all graduates to its historically high standard by awarding one schoolwide MPH. The program imparts a population-based perspective on health and provides a solid foundation in the core disciplines of epidemiology, biostatistics, management sciences, and the environmental, biological, behavioral, and social factors that influence the health of populations and communities. Students can choose electives in areas of focus, or they may choose to customize their degree in consultation with their faculty advisor. The degree program is characterized by its admission requirement of at least two years of full-time, post-baccalaureate, health-related work experience. The requirement can also be met with a doctoral degree in a field underlying public health, or by joint enrollment in a combined professional degree program in medicine, law, social work, or nursing.

The School’s graduates become leaders and innovators who prevent disease and save lives wherever they go, whether in villages, state health agencies, the U.S. armed forces, or in nonprofit organizations such as Doctors Without Borders and the Campaign for Female Education. They have gone on to serve as director-general of the World Health...
RISING TO THE CHALLENGE

Johns Hopkins’ most fundamental contribution to global health is its outstanding educational programs.

SURGERY FOR PUBLIC HEALTH

Usually, MPH graduates focus on either global or U.S. public health, but Kenyan surgeon Awori J. Hayanga, MD, MPH ’08, excels in both. Before coming to JHSPH as a Sommer Scholar, Hayanga co-founded the Ruben J. Williams Foundation in 2005 to advance surgical and critical health care in the developing world. His organization brings surgeons from Europe and the United States for short-term visits to East Africa, where only 400 surgeons practice among a population of 220 million. Delivering much-needed support and training to severely underserved populations has saved lives and improved the quality of care in the region.

For his role in these efforts, Hayanga was awarded the 2009 Surgical Volunteerism Award for Resident Outreach by the American College of Surgeons. Now a lung transplant fellow at the University of Pittsburgh Medical Center, he was the lead author of a 2013 article in *JAMA Surgery* reporting that black patients living in segregated U.S. counties had a lung cancer mortality rate about 10 percentage points higher than those living in diverse neighborhoods. Hayanga declared that “we can’t uproot half of the American population and move them to other counties. What we have to do is take responsibility for those neighborhoods.” Whether in segregated America or rural Kenya, Awori Hayanga is using his Hopkins MPH to do just that.
The Johns Hopkins MPH offers students intensity, diversity, and flexibility, with a grounding in cutting-edge science and practice. During the 11-month full-time MPH, students have the opportunity to interact with more than 500 full-time public health faculty members renowned for teaching, practice, and ongoing research around the world. Part-time MPH students can complete their degree with more than 100 superior quality online courses and a wide selection of condensed on-site institute courses in Baltimore, Barcelona, and Washington, D.C.

Hopkins MPH students frequently comment that their classmates are among their most important teachers. The diverse student body of physicians, former Peace Corps volunteers, lawyers, nurses, educators, policymakers, medical students, and many other types of professionals becomes part of a global public health network in government and international agencies, NGOs, corporations, research institutes, and universities. The connections between medicine and public health are particularly strong at Hopkins, where nearly half of all MPH students are either physicians or medical students. Students come to Baltimore from six continents, and international students represent 29 percent of full-time and 23 percent of part-time MPH enrollment.

For her MPH field experience, Kerry Morrison, MPH ’13, gained hands-on skills in study design, field research, and laboratory bench work by collecting samples of fecal slurry from pig farms in the upper Kathmandu Valley of Nepal. She then tested the samples for Hepatitis E virus, and sequenced the virus to see what genotypes were present. Hepatitis E is especially threatening to pregnant women, with mortality rates as high as 25 percent. Working in Nepal was “a unique opportunity to pursue shoe-leather epidemiology from start to finish” while collaborating with JHSPH faculty and scientists from the Armed Forces Research Institute of Medical Sciences and the Walter Reed/AFRIMS Research Unit Nepal.

OPPORTUNITIES TO SUPPORT THE MASTER OF PUBLIC HEALTH PROGRAM

To stabilize and maintain the high quality of our current program and sow the seeds for future growth, the Master of Public Health program seeks to generate new funding for scholarships, travel grants, and alumni mentoring. To remain competitive in recruiting the most promising students, the program wishes to establish 20 new full-tuition scholarships. This is particularly important for bringing students whose home countries cannot afford to send them to Johns Hopkins for advanced study. Endowment funding would be particularly welcome to generate current-use
funding for three areas: programmatic needs as identified by the chair; field experience awards to allow students to travel to foreign sites during the winter intersession; and the Sommer Scholars program, which trains the next generation of public health leaders by supporting up to 15 MPH students every year at the Bloomberg School.

Each Sommer Scholar receives full tuition and a stipend and participates in a range of experiences to develop leadership skills vital to their future careers. Activities in the enrichment program focus on skill-building, understanding leadership, teamwork, social networking, and community service through interdisciplinary, interactive, and innovative approaches. Crystal Shen, MPH ’13, is a Sommer Scholar who exemplifies the qualities and potential impact of students in the program. Shen conducted pediatric cerebral malaria research in Kampala, Uganda, where she worked closely with children who suffered neurological injury resulting from malaria. “Seeing comatose child after comatose child reinforced my desire for improved prevention and control of the disease, and drove home my career vision of reducing the global burden of infectious diseases.” Shen wants to specialize in pediatric infectious diseases, combining clinical care, research, and health systems improvement. “I envision drawing upon my backgrounds in engineering, medicine, and public health to foster interdisciplinary efforts towards addressing infectious disease issues,” she says.

The Bloomberg School has been supplying the world with the highest quality public health leadership for nearly a century. Please help us maintain our commitment to equipping such brilliant and compassionate men and women to keep saving lives, millions at a time.

**BIOETHICS AND CLINICAL TRIALS**

*Katherine C. “Kacey” Wulff, MPH ’12,* studies the bioethics of clinical trials in the United States and globally. She was the lead author of a 2011 *Health Affairs* article that analyzed the impact of comparative effective research on insurance practices for a widely covered procedure, vertebroplasty, that was deemed ineffective. Her findings showed that approving insurance coverage for a procedure before rigorous evidence is gathered can create barriers to future randomized trials and insurance policy adjustments.

As a Sommer Scholar at JHSPH, she explored the ethics of conducting Phase 1 clinical trials in the developing world for her MPH Capstone Project. For interventions with potential global impact, such as HIV vaccines, she argued that communities may want to accept bigger risks in an effort to expedite potential public health breakthroughs.

Now as special assistant to the assistant secretary for preparedness and response within the U.S. Department of Health and Human Services, Wulff wants to apply bioethics to help individuals—and change health systems. “I hope to spend my life working at the intersection of different fields,” she says, “both domestically and abroad, immersed in the health problems facing the world’s poor.”
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<td>$500,000</td>
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