The Johns Hopkins Education and Research Center (ERC) for Occupational Safety and Health, sponsored by the National Institute for Occupational Safety and Health (NIOSH), prepares you to meet the occupational and environmental health challenges of today and tomorrow. Our graduates enter careers in research, practice, education, and policy development.

**ERC Programs:**
- Occupational and Environmental Hygiene Residency
- Occupational and Environmental Medicine Residency
- Occupational and Environmental Health Nursing
- Occupational Injury Epidemiology and Prevention
- Occupational Epidemiology and Biomarkers
- Pilot Project Research Training
- Outreach and Continuing Education

These programs are combined in an interdisciplinary setting to make the Johns Hopkins ERC a regional and national resource in occupational and environmental health. Many courses are offered online or in the School’s Winter and Summer Institutes.

**Occupational and Environmental Hygiene**

**Director:** Kirsten Koehler, PhD  
kkoehler1@jhu.edu

The Occupational and Environmental Hygiene Program focuses on the anticipation, recognition, evaluation, and control of chemical and physical factors in the workplace and community that may cause illness or injury. The curriculum leading to the Master of Science (MS) degree in Occupational and Environmental Health (18-months full-time or online/part-time) provides broad education, training, and experience for the general practice of occupational and environmental hygiene and safety. This program is accredited by the Applied Science Accreditation Commission of the Accreditation Board for Engineering and Technology (ABET). For those interested in research or academic careers, doctoral degree programs—full-time PhD* and part-time DrPH*—are individually structured and include education and research requirements in one or more scientific disciplines fundamental to occupational hygiene and safety.

**Occupational and Environmental Medicine Residency**

**Director:** Brian Schwartz, MD, MS  
bschwar1@jhu.edu

**Deputy Director:** Aisha Rivera Margarin, MD, MS

The Occupational and Environmental Medicine Residency prepares physicians for careers in occupational and environmental medicine in a variety of settings, including academia, government, industry, labor, and clinical practice. This two-year program includes completion of a Master of Public Health (MPH) degree and practicum rotations in occupational and environmental settings, including corporate programs, government agencies, industry, labor unions, and healthcare facilities. The residency is fully accredited by the Accreditation Council for Graduate Medical Education (ACGME), and graduates are eligible to take the certifying examination in occupational medicine offered by the American Board of Preventive Medicine.

**Occupational and Environmental Health Nursing**

**Director:** Maureen Cadorette, PhD  
mcadore1@jhu.edu

The Occupational and Environmental Health Nursing Program offers training for nurses at the master’s and doctoral levels. Our two master’s programs—an 11-month Master of Public Health (MPH) degree and an 18-month Master of Science in Nursing/Master of Public Health (MSN/MPH) degree that include field experiences in occupational and environmental settings—prepare nurses for leadership positions in government, labor, academia, industry, and a variety of clinical settings. MPH and MSN/MPH students may also opt for part-time study. Our doctoral training program—the first of its kind—offers PhD* (full-time) and DrPH* (part-time) degrees and is available to highly qualified students who seek careers in research and academia.

**Occupational Injury Epidemiology and Prevention**

**Director:** Keshia Pollack Porter, PhD, MPH  
kpollak1@jhu.edu

**Deputy Director:** Cassandra Crifasi, PhD

The Occupational Injury Epidemiology and Prevention Program in the Department of Health Policy and Management offers doctoral education leading to a PhD** or DrPH** degree. Training includes: quantitative and qualitative methods; policy development, implementation, and evaluation; risk assessment; primary prevention of occupational injuries; and post-injury outcomes. Graduates of the program enter careers in professional practice, research, and/or teaching in universities, government, labor organizations, and in the private sector.

**Occupational Epidemiology and Biomarkers**

**Director:** Christopher D. Heaney, PhD  
cheaney1@jhu.edu

The Occupational Epidemiology and Biomarkers Program offers doctoral education leading to a PhD* or DrPH* degree. The program graduates highly qualified scientists with the knowledge and skills to develop, evaluate, and apply molecular and biochemical biomarkers of exposure, health effects, and susceptibility in occupational and environmental settings. Graduates are prepared to enter research and teaching careers in several venues, including universities, research institutes, governmental health agencies, and international health organizations.
Pilot Project Research Training
jhsph.edu/erc/pprt
Director: Ana María Rule, PhD

The Pilot Project Research Training Program enhances occupational research training through direct support of research activities. Supplemental funds are awarded by NIOSH to support student and new investigator (junior faculty) research projects with awards up to $15,000 each. These funds often support doctoral research studies. Applicants must be doctoral students, postdoctoral fellows (including occupational medicine residents), or full-time junior faculty affiliated with a NIOSH ERC, training project grant (TPG), or other related university-based program within U.S. Region III (MD, PA, DE, DC, VA, and WV).

Outreach and Continuing Education
jhsph.edu/erc/ce
Director: Mary Doyle, RN, MPH, COHN-S/CM
mdoyle6@jhu.edu

Our Outreach Program serves practicing occupational safety and health professionals within our region, throughout the nation, and—with increasing frequency—in global settings. Activities include frequent interaction with other institutions and training program grants, engaging visiting scholars and guest faculty, collaboration with professional and scientific societies and associations, professional visibility and student recruiting, and facilitating the translation of research to practice.

Our Continuing Education Program offers courses for practicing professionals who want to update their skills and knowledge regarding worker health protection. Topics include contemporary issues of interest to nurses, physicians, safety engineers, occupational and environmental hygienists, educators, regulators, labor representatives, industry representatives, and others. All courses are approved for continuing education credits.

* PhD or DrPH in Environmental Health
** PhD or DrPH in Health Policy and Management