

DEPARTMENT OF POPULATION AND QUANTITATIVE HEALTH SCIENCES

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More Information: <http://pqhs.case.edu/>

The Department of Population and Quantitative Health Sciences is a multidisciplinary department offering a range of educational programs rooted in Epidemiology, Biostatistics, Biomedical and Health Informatics, Clinical Research and Public Health. These programs include an undergraduate minor, two graduate certificates, four Master's degrees, and three PhD degrees. Our graduates develop the knowledge, skills, and competencies needed to assume positions of leadership with the ultimate goal of advancing the public's health. Through challenging coursework, independent and collaborative research opportunities, and internships students will develop a thorough understanding of the multiple determinants of population health outcomes and the research and analytic skills to answer today's complex health problems.

Faculty and Research

Department faculty are nationally recognized and have more than \$12 million in grants that support projects including HIV/TB research in Uganda, the search for genes that cause disease, cancer prevention and control, studies of interventions to change human behaviors that promote good health, design of clinical trials, studies to change high-risk behaviors related to AIDS, studies of public policies concerning the health of the elderly, and cost/benefit studies of medical interventions. Many research projects are performed in collaboration with the four affiliated hospitals; the University Hospitals, Metro Health, the Cleveland Clinic and the Louis Stokes Cleveland VA Medical Center. Faculty members work closely with our local health departments and serve on many community task forces. The department has offices in multiple locations at the university, (Wood Building and Wolstein Research Building) and in the Prevention Research Center for Healthy Neighborhoods (PRHCN). The department maintains two scientific computer centers comprised of 14 lab computers and over a dozen servers. Several very large national health care and demographic databases are stored on these servers and are used for faculty and student research and educational projects.

Programs

- Biomedical and Health Informatics, MS
- Biomedical and Health Informatics, PhD
- Clinical Research, MS
- Clinical Translational Science, PhD
- Epidemiology and Biostatistics, MS
- Epidemiology and Biostatistics, PhD
- Health Informatics, Graduate Certificate
- Public Health, Graduate Certificate

- Public Health, Minor
- Public Health, MPH
- Departmental Graduate Certificate in Clinical Research (see School of Medicine Certificates)

Dual Degrees

- Clinical Research, MS/Medicine, MD
- Medical Scientist Training Program (MSTP), PhD/Medicine, MD
- Anthropology, MA/Public Health, MPH
- Anthropology, PhD/Public Health, MPH
- Bioethics and Medical Humanities, MA/Public Health, MPH
- Business Administration, MBA/Public Health, MPH
- Dental Medicine, DMD/Public Health, MPH
- Nutrition, MS/Public Health, MPH
- Nursing, MSN/Public Health, MPH
- Public Health, MPH/Law, JD
- Public Health, MPH/Medicine, MD
- Public Health, MPH/Social Work, MSW
- Programs Toward Graduate or Professional Degrees