

Public Health and Preventive Medicine

Whatever health topic is important to you, it can be pursued through epidemiology and biostatistics. That claim is not a false promise. The OHSU Department of Public Health and Preventive Medicine focuses on understanding health issues from biological causality to quality of life issues to patterns of behavior in the general population. Our educational and research activities cover a wide variety of interests for our 26 core faculty, 39 joint appointees and 80 adjunct faculty.

Education

Educational programs include teaching methods for investigation of epidemiology and biostatistics in

the Oregon Master of Public Health program, medical school and the general Preventive Medicine Residency. The department includes the Epidemiology and Biostatistics track of the Oregon MPH Program. This track emphasizes the development of skills in research methods in epidemiology and biostatistics that can be applied to any health issue (see associated description of Epidemiology on this sheet). In addition, our faculty provide instruction in medical school classes in epidemiology and biostatistics.

The Preventive Medicine Residency is open to physicians who have completed the Internship or PGY1 year after medical school. The residency also

requires completion of an MPH degree either before or during the training. This program emphasizes skills that public health officers at the county, state or national level need to address health problems in the general population. A combined residency option is available with the Family Medicine Residency. The department received the Outstanding Educational Program of the year award in 2004 from the Association of Teachers of Preventive Medicine as a testimony to its excellent teaching. In addition, numerous faculty members have received outstanding teaching awards from universities and national professional organizations.



Award-winning poster presentation by MPH student Jacqueline Yates



MPH Faculty

Elizabeth Adams, R.D.
nutrition, maternal and child health

Donald Austin, M.D., M.P.H.
cancer epidemiology

Thomas M. Becker, M.D., Ph.D.
cancer epidemiology, minority health

Yiyi Chen, Ph.D.
design and analysis of clinical trials

Dongseok Choi, Ph.D.
spatial statistics, high dimensional data

Rochelle Fu, Ph.D.
Bayesian methods, meta analysis

Willi Horner-Johnson, Ph.D.
disability and health, community accessibility

Jay Kravitz, MD, MPH
global health

William E. Lambert, Ph.D.
environmental and occupational epidemiology

Jodi A. Lapidus, Ph.D.
proteomics, design of community intervention trials

Eun Sul Lee, Ph.D.
complex survey design/analysis

Dennis McCarty, Ph.D.
substance abuse, evidence-based practice

Shannon McWeeney, Ph.D.
statistical genetics, bioinformatics

Motomi Mori, Ph.D.
oncology clinical trials, biomarker studies, genomics

William E. Morton, M.D., Dr.P.H.
environmental and occupational health

Thuan Nguyen, M.A., M.D., Ph.D.
mixed effects models, longitudinal data

Research

Research activities take place within the department's three divisions: Epidemiology, Biostatistics, and Health Services and Outcomes Research. Numerous faculty partnerships from these divisions exist with departments throughout the University to provide cooperative and translational research, such as Emergency Medicine, Family Medicine, Psychiatry, Cardiology, and Ophthalmology. The department houses the Oregon Health Policy Institute and the Center for Healthy Communities, a Prevention Research Center funded by the CDC. Faculty members also participate in the OHSU Knight Cancer Institute and the OHSU Oregon Clinical and Translational Research Institute (OCTRI). The Western States Node of the national Clinical Trials Network is housed in the department. Active partnerships

Carrie Nielson, M.P.H., Ph.D.
genetic epidemiology, musculoskeletal aging

Byung Park, Ph.D.
general linear models, microarrays

Dawn Peters, Ph.D.
clinical trial methodology, randomization

Donald Pierce, Ph.D.
radiation research, cohort design

Nancy Press, Ph.D.
genetics, medical anthropology

Traci Rieckmann, Ph.D.
substance abuse

Jackilen Shannon, Ph.D., R.D., M.P.H.
nutrition and cancer epidemiology

John Stull, M.D., M.P.H.
medical education, ethics

Philippe Thuillier, Ph.D.
cancer prevention

with outside organizations such as the Northwest Portland Area Indian Health Board provide research opportunities that embrace community interests. Education and research include the latest methods and hottest topics: genetic microarray studies, health disparities, substance abuse treatment, spatial analysis, emerging diseases, etc.

Epidemiology

Epidemiology is the study of the distribution and determinants of diseases. Epidemiology traces its roots to John Snow's investigation of water sources as the causes of a cholera outbreak in London that resulted in his famous removal of the handle from an offending water pump in 1854. Since that time, epidemiological methods have been used in studies of infectious and chronic diseases, injury, and disability.

Want to Know More?

www.ohsu.edu/public-health

E-mail: phpm@ohsu.edu

phone: 503 494-2012

Department of Public Health and Preventive Medicine
Mail Code: CB669
Oregon Health & Science University
3181 S.W. Sam Jackson Park Road
Portland, OR 97239-3098