



COEH AT A GLANCE

CENTER FOR OCCUPATIONAL AND ENVIRONMENTAL HEALTH

California has had its share of natural disasters, but the State became acutely aware of another, more insidious type of threat in the late 1970s,

when workers who had been making the pesticide DBCP were told that they were sterile. Concerned that California lacked the knowledge and the trained professionals it needed to protect people from work-related hazards, the State passed legislation in 1978 mandating the University to establish teaching, research, and service centers in Northern and Southern California. The Center for Occupational and Environmental Health (COEH) and its sister centers at Los Angeles and Irvine serve government, industry, schools, health professionals, and the general public through programs and partnerships designed to deepen understanding of occupational and environmental hazards and to prevent disease, fatalities, and injuries.

JUST THE FACTS:

- **Director:** John R. Balmes, MD
Deputy Director: Patty Quinlan, MPH
- Established as a permanent part of the University of California in 1980.
- One of 18 regional Education and Research Centers funded by the National Institute for Occupational Safety and Health (NIOSH).
- Involves approximately 60 faculty, plus researchers and other professional staff from many schools and disciplines on the three Northern California campuses.
- Funded at \$2.5 million by the University of California.
- **How to contact us:**
tel: 510/642-0571
fax: 510/642-5815
- **Find us on the web:**
<http://coeh.berkeley.edu>

Activities are grounded in multi-campus, multidisciplinary teaching programs in medicine, nursing, public health, and related fields which:

- Educate future leaders in occupational and environmental health
- Develop new knowledge
- Bring the resources of the University of California to the public

Educating Students for the Real World of Occupational and Environmental Health

Protecting health and ensuring safety on the job and in the community is a persistent national problem. The workplace statistics alone are stark: Every day an average of 10,000 U.S. workers sustain injuries on the job, 15 workers die from a workplace injury, and more than 100 die from work-related illness. That's over 60,000 lives lost annually, and more than two million disabling work injuries each year, costing an estimated \$156 billion annually in direct and indirect costs. Still, the U.S. lacks health care professionals with expertise in occupational and environmental health. COEH helps address this shortage by training occupational and environmental health specialists for careers in industry, labor, universities, and government.*

From Basic Laboratory Research to Applied Field Research

Whether they are probing a single cell or surveying an entire population, COEH researchers have two goals in mind: to prevent injuries and disease in the workplace and to solve critical health problems in our communities. Interdisciplinary collaboration has been the key to powerful results.

Bridge to the Public

At its inception, COEH made a commitment to deliver university services directly to the public. This is accomplished through a labor and community education program, a continuing professional education program, consulting and clinical services.

*BLS, 2007 Data;
Leigh, JP et al. "Costs of Occupational Injuries and Illnesses,"
University of Michigan Press, Ann Arbor MI, 2003.

Find out more at <http://coeh.berkeley.edu>

COEH TEACHING PROGRAMS

Biological & Agricultural Engineering

Program Director: Fadi Fathallah, PhD, MPH

Graduate education and research on ergonomic hazards in agriculture.

Continuing Professional Education

Program Director: Julia Buss, RN, PhD

Multidisciplinary and specialty short courses on a wide array of topics, including an annual week-long Continuing Education summer institute and the UC Berkeley Asbestos and Lead-Paint Training Program.

Ergonomics

Program Director: Carisa Harris-Adamson, PhD, CPE, PT

Graduate education, research, and consulting services to prevent musculoskeletal injuries (joint Berkeley/San Francisco program).

Global Health & Environment

Program Director: Kirk Smith, PhD, MPH

Worldwide research collaborations and an interdisciplinary master's program focused on helping developing countries address occupational and environmental health problems.

Industrial Hygiene

Program Director: S. Katharine Hammond, PhD, CIH

Graduate education and basic and applied research in industrial hygiene.

Labor and Community Education

Program Director: Laura Stock, MPH

Labor and community education focusing on health and safety.

Occupational and Environmental Health Nursing

Program Director: Oiseang Hong, RN, PhD

Graduate education and doctoral research on preventing and treating work-related injuries and illness.

Occupational and Environmental Medical Residency

Program Co-Directors: Paul Blanc, MD, MSPH, and Robert Harrison, MD, MPH

Occupational medicine residency and interdisciplinary, clinic-based training for graduate students in nursing, industrial hygiene, and ergonomics; clinical services for the public; research in occupational and environmental health.

Occupational and Environmental Epidemiology

Program Director: Ellen Eisen, Sc.D

Involves human population studies addressing the health effects caused by exposure to chemical and physical agents.

UC Davis Center for Occupational and Environmental Health

COEH Program Director and Department Chair: Marc Schenker, MD, MPH

Graduate education in occupational and environmental epidemiology, biostatistics and toxicology; clinical services for the public; research in occupational and environmental health.