



UNIVERSITY of WASHINGTON

Healthy Lives, Here and Around the Globe

Our world-renowned researchers and health care providers are working together to improve the human condition here and around the globe.

Creating healthier lives.
It's the Washington Way.

RANKINGS*

- #1** School of Medicine in primary care, family medicine and rural medicine and #6 in research, internal medicine and geriatrics
– *U.S. News & World Report*
- #1** School of Nursing in the United States since 1984
– *U.S. News & World Report*
- #1** In graduate alumni serving as Peace Corps volunteers in 2011, #3 in undergraduate alumni volunteers
- #4** School of Public Health
– *U.S. News & World Report*
- #4** School of Social Work, the school has been in the top 5 since 2005
– *U.S. News & World Report*
- #5** School of Pharmacy
– *U.S. News & World Report*
- #5** Nonprofit Management
– *U.S. News & World Report*
- #5** In the Bioengineering graduate program and #6 in the the undergraduate program
– *U.S. News & World Report*

*Rankings listed are latest rankings available

HONORS AND AWARDS

The UW School of Medicine faculty include:

- ▶ 4 Nobel Prize winners
- ▶ 30 members of the National Academy of Science
- ▶ 33 members of the Institute of Medicine
- ▶ 53 Fellows in the American Academy of Arts and Sciences

DISCOVERIES/INVENTIONS

- Hepatitis B Vaccine
- Long-Term Kidney Dialysis
- Bone Marrow Transplantation
- Therapeutic Ultrasound
- New Treatments for Autism
- Smallpox Eradication
- Medic One Emergency Services
- Snow World: burn victim pain management

World-
Changing
Discoveries

▶ CURRENT RESEARCH

- ▶ An anatomically correct robotic hand complete with an intricate structure of tendons and tiny motors that enables the hand to respond to sensor signals resembling neural commands
- ▶ Groundbreaking software called MobileASL, which offers sign language by cell phone for deaf and hard-of-hearing people
- ▶ WebAnywhere, a web-based technology that provides improved access to the Internet for the blind and visually impaired
- ▶ A "bionic" contact lens with an imprinted electronic circuit that may one day create virtual displays of information only the wearer can see
- ▶ At the Optical Remote Sensing Lab, researchers are developing sampling techniques that use ultraviolet, visible and infrared light, or lasers to identify and measure environmental pollution
- ▶ Innovative ways to eradicate disease — from developing cancer vaccines to stem cell research to finding a way to halt malaria



UW Medicine owns or operates Harborview Medical Center, UW Medical Center, Northwest Hospital, UW Neighborhood Clinics, UW Physicians, UW School of Medicine and Airlift Northwest. Affiliated institutions include Fred Hutchinson Cancer Research Center, Seattle Children's Hospital and several VA Medical Centers.

▶ uw.edu/discover/healthylives

IMPROVING OUR COMMUNITIES

▶ GLOBAL HEALTH AT THE UW

- ▶ The Department of Global Health addresses the causes and helps provide solutions for disparities in health around the globe, and enables international partners to improve the health of the people they serve.
- ▶ The Institute for Health Metrics and Evaluation (IHME) works to identify the best strategies to build a healthier world. By measuring health, tracking program performance, and finding ways to maximize health system impact, IHME provides a foundation for informed decision-making that ultimately will lead to better health around the globe.
- ▶ Center for AIDS Research builds collaborative and interdisciplinary research, supports HIV research career development of young investigators, and serves HIV investigators at affiliated institutions.
- ▶ International Training and Education for Health (I-TECH) is a global network that supports the development of a skilled health work force and well-organized national health delivery systems in order to provide effective prevention, care, and treatment of infectious disease in the developing world.

▶ EARLY CHILDHOOD RESEARCH

- ▶ The Institute for Learning and Brain Sciences (I-LABS) is an interdisciplinary center dedicated to discovering the origins and building blocks of human learning that will help enable all children to achieve their full potential.
- ▶ The Center for Pediatric Dentistry (a partnership with the UW School of Dentistry and Seattle Children's) addresses the entire system of early childhood oral health and promotes early prevention and intervention.

▶ POPULATIONS AT RISK

- ▶ School of Medicine Rural/Underserved Opportunities Program (R/UOP) provides students with the chance to work side-by-side with physicians in rural or urban underserved communities throughout Washington, Wyoming, Alaska, Montana and Idaho (WWAMI).
- ▶ Partners for Our Children brings together the best minds from the academic and child-welfare communities, state leadership and the private sector for one purpose: to improve the lives of children in foster care in Washington state.

▶ HEALTHY AGING

- ▶ The de Tornyay Center for Healthy Aging promotes healthy aging through its support of research, education and community outreach to older adults.
- ▶ The Alzheimer's Disease Research Center investigates underlying causes of Alzheimer's disease and related disorders, with a focus on identifying early signs of Alzheimer's and biomarkers and experimental new treatments.

PARTNERSHIPS AND SPONSORS

- ▶ The William D. Ruckelshaus Center is dedicated to assisting public, tribal, private, nonprofit and other community leaders to build consensus and resolve conflicts around difficult public policy issues. The center is a joint venture between the Evans School of Public Affairs at the University of Washington and Washington State University Extension.
- ▶ Technology for Long-Term Care is a project aimed at showing that in-home computer monitoring of older adults in long-term care can reduce costs and provide quality care. It is a joint project between UW researchers, Intel Research, Intel's Digital Health business group and the Veterans Administration in cooperation with three Seattle home-care providers.
- ▶ The Evans School Policy Analysis and Research Group (EPAR) provides research and policy analysis to support the work of the Agricultural Policy and Statistics group at the Bill & Melinda Gates Foundation as they work to help the approximately 1 billion people who live with chronic hunger and the more than 1 billion who live in extreme poverty.



\$267 million dollars in charity care has been provided to our community by UW Medicine in 2009

- ▶ The West Coast Poverty Center serves as a hub for research, education, and policy analysis to help leaders understand the causes and effects of poverty and to develop effective approaches to reducing poverty in the West Coast states. The Center is one of three regional poverty centers funded by the U.S. Department of Health and Human Services.
- ▶ IHME is heading up a ground breaking study in conjunction with other leading research institutions and organizations, including Harvard University, Johns Hopkins University, the University of Queensland and the World Health Organization. Nearly 1,000 epidemiological experts and public health researchers worldwide are working together to produce estimates of the burden of diseases, injuries and risk factors over the past two decades. This data will allow countries all over the world to learn from each other and inform priorities for research, programs, policies and funding.