

GLOBAL HEALTH

Washington State is home to many organizations, companies, universities and communities that are addressing global health concerns through technology and product development, research and education, policy and advocacy in all sectors of the state's economy. These efforts are implemented around the world, demonstrating Washington's international leadership in global health.

Global health work in Washington State:

- 153 non-profit organizations & foundations work to improve global health internationally
- More than 35 non-profit organizations & foundations promote global health within foreign born and Native American populations living in the United States
- 127 private sector companies headquartered in Washington State advance global health through product development, business practices and philanthropy
- 57 university-based centers produce world-class global health research, engage in community outreach, and teach the next generation of global health workers
- Over 50 graduate-level global health courses are taught at UW and WSU each year

NON-PROFIT AND PHILANTHROPY STRENGTHS

Surveys were completed by 116 non-profit organizations and foundations addressing global health issues.

Core Competencies

- Basic needs: 62 organizations address nutritional issues, and 58 contribute to clean water and sanitation access.
- Maternal, newborn and child health: 42 non-profits and foundations work on issues of maternal, newborn and child health.
- HIV/AIDS: 38 organizations focus on addressing the HIV/AIDS pandemic.
- Chronic disease and food- and water-borne disease: 31 groups include chronic disease as part of their mission, and 30 engage with food and water-borne diseases.
- Infectious disease: 22 organizations specialize in malaria and vaccine-preventable diseases, and 17 focus on tuberculosis treatment and service delivery.

Approaches

- Public awareness, education & training: These approaches predominate in the non-profit and foundation sector.
- Research and technology: Nearly 30% of non-profits are engaged in primary research, over 35% of organizations provide technological assistance and nearly one-quarter contribute to technological development.
- Holistic approaches to sustainable development: More than 70% of global health organizations simultaneously address poverty and environmental concerns.

- A spirit of collaboration: 73% of global health organizations identified they collaborate with other domestic organizations and 49% collaborate with international organizations, primarily with other non-profits.

Global Reach

- Washington's non-profit global health organizations and foundations work on all continents. 47 of these organizations implement some of their global health programs inside the United States, and 70 contribute to global health internationally. Of those 70, the greatest concentration of work is in Africa (42 organizations) and Asia (37 organizations).

Washington's Non-Profits at Work Worldwide

INTERNATIONAL SMILE POWER FOUNDATION established an educational information exchange agreement between the dental schools at the University of Washington in Seattle and Makerere University in Uganda.

PATH collaborated with the World Health Organization and the London School of Hygiene and Tropical Medicine to study gender-based violence around the globe, involving more than 24,000 women in ten countries, and resulting in the creation of safe spaces for women and the transfer of new skills to local NGOs.

THE SEATTLE BIOMEDICAL RESEARCH INSTITUTE proved that an SBRI malaria vaccine candidate is 100% effective in animals.

PRIVATE SECTOR LEADERSHIP

The study identified 127 companies headquartered in Washington State contributing to global health through responsible corporate

Core Competencies

- **Biotechnology:** 57 companies develop products and services that advance medical biotechnology.
- **Pharmaceutical development:** 43 companies produce products or offer services that contribute to medicinal and pharmaceutical development.
- **Disease research:** 54 products and services target and treat chronic disease, while 26 work to address vaccine-preventable disease.

Approaches

- A wide variety of global health products and services are developed, manufactured and sold, from the research and development of medicinals to organic farm products to medical biotechnology products (118 companies).
- **Philanthropic focus** on health care and drug access (17 projects), nutrition (12 projects) and mental health and drug addiction (11 projects).

Global Reach

For the private sector, reach was determined only for philanthropic projects. 37 philanthropic projects were identified.

- **International emphasis:** 9 projects were global in scope, and 8 each were supported in Europe and Asia.

Washington's Businesses at Work Worldwide

MICRONICS develops fluid miniaturization solutions that integrate and automate laboratory processes on a disposable, versatile and cost-effective lab card.

BIO RESEARCH LABORATORIES is a leading provider of diagnostic tests to detect autoimmune diseases, blood viruses, infectious diseases and clinical bacteria that are developed for the global market. Services focus on sanitation, hazardous waste characterization, and toxicity testing.

By selling Ethos Water, **STARBUCKS** aims to contribute \$10 million in five years to help children and their communities around the world get clean drinking water.

UNIVERSITY EXCELLENCE

Across the six public four-year universities in Washington State, 57 centers address global health concerns.

Core Competencies

- **Access to health care, drugs, clean water and sanitation:** 16 centers have expertise in health care and drug access, while 13 work to improve access to clean water and sanitation.
- **Reproductive health:** 13 centers concentrate on reproductive health, and 10 on maternal, newborn and child health.
- **Infectious, food- and water-borne diseases:** 12 centers help prevent food- and water-borne disease, while 13 work on other infectious diseases.
- **Top medical school:** Washington State is home to the University of Washington, which, in 2007, was the only medical school in the nation ranked by in the top 10 for all eight ranked medical specialties, including 1st for family and rural medicine, and 4th HIV/AIDS (US News and World Report).
- **Complementary strengths at research universities:** The UW, with 34 global health centers, clusters its work around human health issues such as health care and drug access (13), reproductive health and family planning (11) and HIV/AIDS (9). WSU, supporting 12 global health centers, contributes leadership and demonstrates complementary strengths through 7 centers addressing food- and water-borne disease and 4 working to improve nutrition.

Approaches & Reach

- **Holistic approach to global health concerns:** Washington's public universities take a multi-dimensional approach to global health concerns, combining their study with environmental and poverty concerns.

Washington's Universities at Work Worldwide

THE CENTER FOR INTERNATIONAL HEALTH SERVICES RESEARCH AND POLICY AT WSU works with ministries of health, public and private universities, and research centers to identify health system priority areas.

THE CENTER FOR FARM HEALTH AND SAFETY AT EWU investigates the socio-cultural and behavioral elements of health and safety processes and designs effective programs that help prevent injuries and illness in agriculture.

THE CENTER FOR AIDS AND STD AT UW works to prevent the transmission of HIV and other sexually transmitted diseases, and contributes to the reduction of the human suffering caused by these infections.