DATA FOR DECISION MAKING

1.5 million lives per year in low- and middle-income countries could be saved if access to surgical care was improved, according to recent findings by the Disease Control Priorities Network (DCP3). These findings are part of the first volume of the third edition of Disease Control Priorities (DCP3), which was published in March 2015. The volume proposes an essential package of cost-effective and feasible surgical procedures that should be available in low-resource settings. More than 20 million people in low- and middle-income countries need surgical care annually, and only 55% of those who could benefit receive it. The authors found that the most cost-effective interventions to combat surgery-related mortality are excise taxes on tobacco and hepatitis B vaccination. The volume also proposes improving access to surgical care and reducing stigma toward those who need surgery. To help survivors of sexual violence in the Democratic Republic of Congo, Adjunct Professor Debra Kaysen, worked with colleagues from Johns Hopkins University to adapt a treatment called cognitive processing therapy, which teaches people “the skill of thinking differently about what you’re thinking,” she says. “It’s a little like doing yoga for your brain.” After six months, only 9% of those who went through the group therapy still experienced depression, anxiety, or post-traumatic stress syndrome, compared to 42% in the control group, whose participants received individual support. The therapy was so effective in the DRC it prompted one counselor to tell Kaysen: “When I first saw these women they were ashamed. They could not lift their heads up. Now, they glow.”

Mental Health

Our Global Mental Health Program has grown to include six University Departments that are partnering to focus on prevention, and improving care and access for people around the world. By using creative approaches such as task sharing where non-mental health workers learn how to do assessments and provide care, UW researchers are finding scalable solutions. Target populations for these projects span across the globe and include school-age children in Malawi, people living with disabilities in India, and political conflict survivors in Iraq, Tanzania, and Kenya.

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Assistant Professor Pamela Kohler is leading a new effort to partner UW nurses with Kenyan graduate nursing students. The new partnership is being developed between the UW Schools of Nursing and Public Health, the University of Nairobi, Jomo Kenyatta University of Agriculture and Technology, and Naivasha District Hospital. The program aims to provide UW nursing students with multidisciplinary training, working alongside medical residents and Kenyan nurses. “In resource-limited settings, nurses are about 80 to 90 percent of the healthcare workforce,” Kohler says.

42 local Public Health fellows in Mozambique will be trained through a new Health Alliance International fellowship focused on strengthening the capacity of health systems to make data-based decisions.

International Training & Education Center for Health (I-TECH)’s Training System Monitoring and Reporting Tool (TrainSMART) is a web-based tool that supports improved planning, analysis, decision-making, coordination, and reporting related to human resources for health care. As of 2015, TrainSMART tracks trainings for more than a quarter of a million physicians, nurses, and community health care workers in nearly 72,000 facilities worldwide.

The Pharmacy Assistant Training Program graduated its first cohort of 20 students in Malawi in June as part of a project of the Global Medicines Program and Malawi Ministry of Health that will support staffing of up to 600 rural health centers. The inaugural cohort will eventually be joined by an additional 148 assistants, who will complete the new, visionary program. Students are trained to dispense life-saving medications and provide patients with essential advice. They also gain the skills to effectively manage inventory to ensure a well-functioning supply chain. Initial results showed an 80% reduction in clinician time spent on logistics in health facilities with Pharmacy Assistant students, allowing health workers to devote more time to patient care.

Boosting Local Health Systems

Health Alliance International (HAI), a center in the Department, works to strengthen government primary health care services and foster social, economic and health equity for all. Here are some accomplishments from their work in 2015:

- 868,850 people received HIV testing and counseling through the ministry of health in Côte d’Ivoire.
- 44% increase in babies delivered at medical facilities after the launch of the Liga Inan, the Mobile Moms program connecting midwives and expectant mothers in Timor-Leste.
- 26,000 patients in central Mozambique received rapid, highly sensitive tuberculosis testing as part of a collaboration between the Ministry of Health.

Implementation Science

Although there is clear evidence that we can prevent mother-to-child transmission of HIV when HIV+ women receive preventive care and treatment, this research often doesn’t translate into on-the-ground results. Associate Professor Kenneth Sher, working with colleagues at the Network for AIDS Researchers of Eastern and Southern Africa and Health Alliance International, developed and tested an approach to help clinics engage and maintain HIV+ women in HIV care in Côte d’Ivoire, Kenya, and Mozambique. These user-friendly tools support front-line health professionals to identify gaps and prioritize opportunities to prevent new HIV infections and were associated with three to ten-fold improvements in retaining mothers in HIV care. Based on these successes, Sher and colleagues are seeking support to expand the intervention to become a routine practice in all three countries.
**OUR STUDENTS**

- **1,500+ students** took global health courses.
- **37 DEGREES** were awarded to students.
- **55 CERTIFICATES** were earned.
- **90 MINORS** were represented by our students.

**RESEARCH ASSISTANTS** throughout the Department received training, tuition support, and stipends.

- **75 ASSISTANTS** in the Strategic Analysis, Research & Training (START) Center were trained in leadership, project management, written and oral communication, and analysis through the START Center’s innovative mentorship model that provides high-quality analysis and research support to public health organizations.

**DEVELOPING THE NEXT GENERATION OF GLOBAL HEALTH LEADERS**

**STUDENT FIELDWORK**

- **30 GRANTS** totaling **$111,550** provided to students and medical residents to travel abroad for research and fieldwork in 16 countries.

**EDUCATION:**

- **30 grants** totaling **$111,550** provided to students and medical residents to travel abroad for research and fieldwork in 16 countries.

**STUDENT DIVERSITY**

- **22%** of our MPH and PhD students are from outside the United States. The top three regions of origin are:
  - 45% **ASIA**
  - 39% **AFRICA**
  - 10% **SOUTH & CENTRAL AMERICA, CARIBBEAN**

- **54%** of MPH and PhD students are female.

**RACE & ETHNICITY**

- **22%** are **International**
- **6%** are **Asian American**
- **2%** are **Native American**
- **2%** are **Hispanic American**
- **1%** are **Hawaiian/Pacific Islander**
- **1%** are **Other**
- **2%** are **Other**
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**Note:** Does not include approximately 30 students who are on leave, doing study abroad, or other fellowship programs.

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Farah Mohamed (MPH '16, MSW '16)  
LEADERSHIP, POLICY & MANAGEMENT AND CONCURRENT MSW STUDENT

Farah was born in Kismayo, Somalia, but was forced to flee to Kenya as a child to escape the violent conflict that was affecting his home country. He finished secondary school in the Dadaab refugee camp in Kenya. After secondary school, he returned to Somalia and worked with World Vision International to implement various programs focused on women and children affected by poor health, malnutrition, birth complications and other preventable diseases. Farah is currently a fellow at the Global Studies Center, University of Washington, and also works with Health Alliance International (HAI), a Center of UW Department of Global Health, as an advanced practicum student.

After completing his MPH and MSW, he hopes to play a leadership role in strengthening the fragile health care system in Somalia. He is also interested in working with refugee and immigrant populations in Seattle to improve their health outcomes and bridge gaps that may exist between the community and service providers.

“This program has enhanced my passion for doing global health work and has provided me with key leadership skills so I can further develop as a global citizen able to look at issues in a systematic way and make the right decisions.”

Nicole Advani, Honors Program (BA, ‘15)  
MAJOR IN ANTHROPOLOGY AND MINOR IN GLOBAL HEALTH

A west coast native who is passionate about changing the world, Nicole has made the most of her time at UW. Nicole is involved in numerous clubs across campus including Partners in Health Engage, Undergraduate Students Public Health Association, and the Global Health Undergraduate Leadership Committee. She also worked at the Global Health Resource Center as the Undergraduate Student Assistant, and interned at Health Alliance International and The Borgen Project, a Seattle-based advocacy group working to eliminate global poverty. She loves to travel and has been fortunate enough to visit over 25 different countries and live in two. She recently studied abroad in Switzerland for a global health and development policy program and had “the time of her life” learning and traveling to Morocco and around Europe. In her free time, she enjoys reading, eating, spending time with friends and family, and watching movies. After graduation she plans to start her career at PATH before continuing her education in global health.

“Global health is my passion and the minor in global health allowed me to develop my understanding of the complexities of the field, while preparing me to start pursuing my career goals.”

Andreia Costa, 5th Year PhD student  
DRUG AND VACCINE DEVELOPMENT

Andreia was born in Portugal and raised in New Jersey. She attended Rutgers University and graduated with a BA in Biology. After graduation she moved to Dublin, Ireland where she worked as a research assistant in a neuropsychiatric genetics lab at the Institute of Molecular Medicine. From there she moved back to the US for a two year Intramural Training Fellowship at the NIH's Vaccine Research Center (VRC). During her time at the VRC she worked on the development of new vector-based vaccines against HIV. There, she developed a strong interest in the interactions between host and pathogen, in particular, the adaptive immune response to viral infection. With this new-found interest she decided to apply to the Pathobiology program which offered her the opportunity to explore research in both basic and translational science within the framework of pathogens of global health importance. Andreia joined the Lund lab where she is working on characterizing the role of regulatory T cells in neurotropic viral infections with an emphasis on mosquito-borne West Nile virus.

“The Pathobiology program, and the UW more broadly, have provided me with an environment that embodies creative exploration and collaborative discovery. I made the right decision in choosing this program and would not hesitate to make the same choice if I had to do it over again.”

David E Phillips, 4th Year PhD student  
METRICS & IMPLEMENTATION SCIENCE

David is a native Seattleite with a Bachelor of Science degree in psychology from the University of Washington. With experience in data analysis, and education in statistics and study design, he hopes to apply quantitative methods to improve public health policies and interventions with a focus on population-level health and equity, particularly child health. David is a contributor to the Global Burden of Disease study as well as research to improve vital statistics worldwide. In his free time he enjoys hiking, traveling and exploring the Pacific Northwest. His current work is with the Institute for Health Metrics and Evaluation (IHME)’s Gavi Full Country Evaluations project, exploring determinants of effective vaccine coverage.

“I chose the UW Global Health PhD program after working at IHME as a research staff member. I got to see the department from the inside, and what inspired me was how the faculty draw from all manner of disciplines to get the job done.”
Bernice Dahn (MPH '05)
MINISTER OF HEALTH, LIBERIA

Bernice Dahn, a physician trained in public health, was named
Minister of Health of Liberia in June 2015 during the ongoing
Ebola crisis after serving as the Deputy Minister of Health and Chief
Medical Officer of Liberia for eight years. She is now leading
her country’s efforts to restore routine health care services, which
were severely affected by the outbreak of Ebola in 2014-2015 and
all three countries — from clinical to programmatic to policy. When at
home in Seattle, she mentors MPH students at the MPH Program in Global Health, gives lectures, and also spends time writing research
articles, or articles documenting her experiences.

“After my graduate studies I feel empowered, sharpened and
reconfigured and I am ready to go into the world of global health to
make a difference. I hope to support my country in order to be prepared
for any challenge that comes along with the Ebola epidemic and other
global emergencies. I also hope to participate in improving the health
of our people and those of the African continent.”

Karin Huster (MPH ’14)
HEALTH CONSULTANT IN GUINEA, OFFICE OF FOREIGN DISASTER
ASSISTANCE, USAID

Karin Huster was a practicing Registered Nurse (RN) in the Emergency
Department at Harborview Medical Center in Seattle when she joined
the Global Health MPH program at UW. During the summer after
her first MPH year, she traveled to Lebanon and worked with Syrian
refugees in collaboration with the UN Refugee Agency (UNHCR). Since
graduating Karin has traveled to Liberia, Sierra Leone and Guinea with
Partners in Health and Doctors without Borders as part of the response
to the Ebola crisis and post-Ebola recovery efforts in those countries.
Her work has involved addressing many aspects of the response in
all three countries — from clinical to programmatic to policy. When at
home in Seattle, she mentors MPH students at the MPH Program in Global Health, gives lectures, and also spends time writing research
articles, or articles documenting her experiences.

“Our Alumni: Forging New Paths

INNOVATING VACCINES

Rhea Coler (PhD in Pathobiology ’98)
Vice President, Preclinical Biology
INFECTION DISEASE RESEARCH INSTITUTE

Rhea Coler is a respected cellular immunologist with extensive
experience studying infectious disease immunology, particularly in
relation to vaccine antigen and adjuvant development, and factors
affecting innate and adaptive immune responses in experimental
animal models of infectious disease pathogens. Her expertise
in these infectious diseases has been obtained largely through
the PLP program that helped to reshape the way I work and made me
what I am today.”

Peter Cherutich (PhD in Global Health: Implementation Science ’15)
DEPUTY DIRECTOR OF MEDICAL SERVICES
MINISTRY OF HEALTH, KENYA

In June, Peter Cherutich, who is a physician and the founding chairman
of the Public Health Society of Kenya, became the first graduate
from the Department’s PhD Program in Global Health: Metrics and
Implementation Science. While at UW, Dr. Cherutich received the
School of Public Health’s highest recognition for a graduating student,
the prestigious Gilbert S. Omenn Award for Academic Excellence for
his outstanding achievement within the public health community.
Dr. Cherutich is at the center of international efforts to catalyze the
adoption of novel HIV prevention approaches and technologies. He
was at the forefront of efforts to scale-up male circumcision in Kenya
for HIV prevention, and is currently carrying out an analysis on the
impact of this scale-up on reductions in HIV incidence. As he returns
to Kenya, Dr. Cherutich plans to continue to mentor and help develop
future global health leaders and scientists in Africa.

“The University of Washington’s MPH program was really the
springboard I needed to launch my career in global health. Through
engaging and rigorous courses, the program provided me with the
foundation and tools to succeed at tackling the complex problems I
am faced with in my day-to-day work. Instrumental in getting where
I am today has been the department’s faculty and leadership —
exceptional and always approachable. In fact, they are family —
always supportive of my work; a place I like to go back to for advice
and great conversations.”
CURRENT AND EMERGING FOCUS AREAS

Our faculty’s current and emerging focus areas have a strong cross-cutting focus on social justice and equity and include:

- cardiovascular diseases;
- family planning & reproductive health;
- global environmental change;
- health economics;
- health metrics and evaluation;
- health system strengthening;
- implementation science;
- infectious diseases;
- injury and violence prevention;
- laboratory sciences;
- medicine safety;
- mental health; and
- women’s, adolescents’ and children’s health.
**FY 15 TOTAL REVENUE BY FUND SOURCE**

(US$81.7M)

- State 3.2%
- Research Cost Recovery 1.8%
- Gifts and Endowments (<1%)
- Other (<1%)
- Grants and Contracts 93.9%

Does not include HAI & IHME grants & contracts.

**FY 15 CORE OPERATING REVENUE BY FUND SOURCE**

(US$4.95M)

- State Funding 52.58%
- Other (<1%)
- Gifts and Endowments 16.3%
- Research Cost Recovery 30.3%

**FY 15 CORE EXPENDITURES BY CATEGORY**

(US$5.1M)

- Education and Curriculum 40%
- Core Faculty and Staff Administrative Salaries 28%
- Facilities 12%
- Operations 11%
- Other Commitments 9%
DEPARTMENT OF GLOBAL HEALTH

DEPARTMENT LEADERSHIP:

Judith Wasserheit, MD, MPH William H. Foege Endowed Chair
Jared Baeten, MD, PhD Vice Chair
Stephen Gloyd, MD, MPH Associate Chair for Education and Curriculum
King Holmes, MD, PhD Director of Research & Faculty Development
Sally Weatherford, PhD Director of Finance and Administration

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COVER PHOTO: HEALTH EXTENSION WORKERS IN STRENGTHENING CARE OPPORTUNITIES THROUGH PARTNERSHIP IN ETHIOPIA (SCOPE)'S MATERNAL HEALTH OUTREACH PROGRAM AT THE TSEDA CLINIC IN GONDAR, ETHIOPIA. PHOTO CREDIT: KATE PFIZENMAIER, MPA.