



2016
Annual Report





Dear Friends and Colleagues,

UCSF Global Health Sciences had another exceptional year in 2016 as we continued to grow our programs, partnerships and funding support—all with the goal of improving health and reducing the burden of disease in the world's most vulnerable populations. Our work translates evidence and innovation into policy and practice that improves health and health care systems in low-income settings.

This annual report describes some of our achievements in 2016 and their impact. None of these would be possible without our excellent leadership team, faculty and staff; the collaboration of our partners here at UCSF and around the world; and the generosity of our funders.

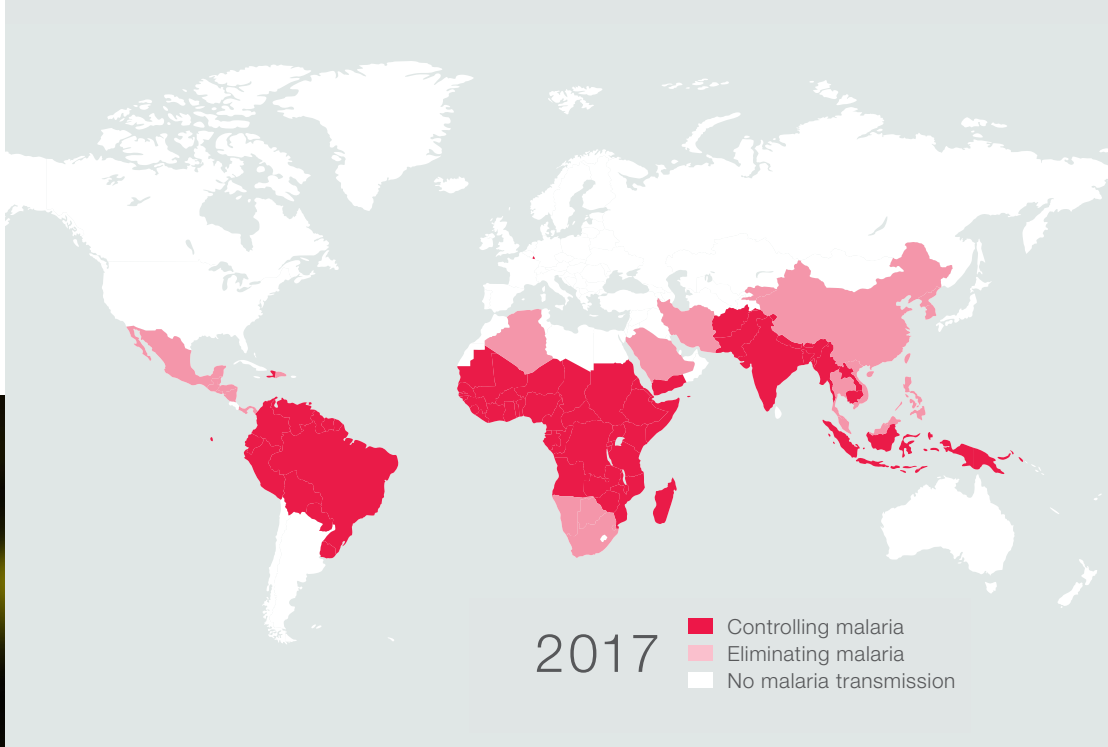
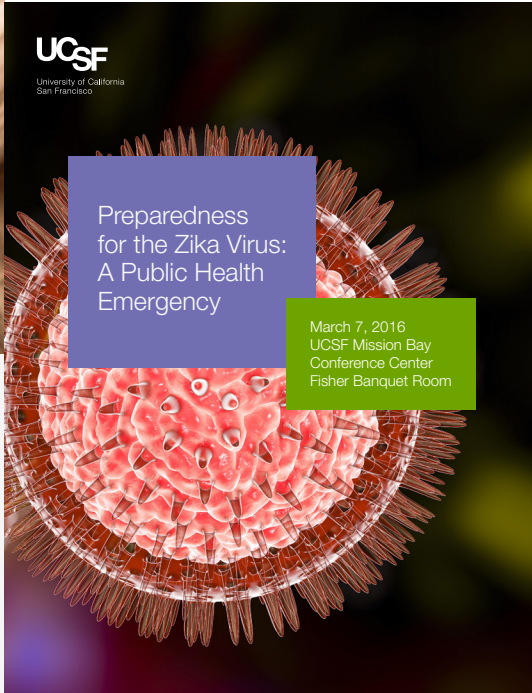
Education

The year began on an auspicious note for our education program as we welcomed our first cohort of PhD students: five exceptional people who are preparing to be global health leaders of the future. As I write, they are finishing their coursework, studying for qualifying exams and preparing for their research in areas as diverse as health systems, health policy and social and behavioral health.

While these inaugural students move on to the next phase of their program, we are preparing to welcome another exceptional PhD cohort with a wide range of research interests.

Meanwhile, our master's program continues to thrive, as we graduated our eighth class in July and welcomed the next class a month later. One of the most inspiring activities I witness each year is the student presentations of their capstone research projects. The quality of the research and their dedication to making a difference in the field of global health is laudable. We now have more than 240 master's alumni working around the world in various global health careers.





Left: This map on our Malaria Elimination Initiative's website (shrinkingthemalariamap.org) shows elimination progress from 1900 to 2040.

Our education mission is not limited to our formal degree programs. We also build capacity for global health research and leadership in low- and middle-income countries through a wide range of education and training programs. For example, our Global Strategic Information (GSI) group trains scientists in various research methods as well as in scientific writing and grant writing in order to increase the number of local researchers and to ensure their findings get a broad audience.

In Ukraine, George Rutherford, MD, and others on the GSI team worked with Bogomolets National Medical University in Kiev to develop and conduct a public health certification course to train employees who will work in Ukraine's new National Public Health Center. Now those we trained are training others.

Our faculty and staff provide this type of capacity building training across a wide range of subjects and countries, from using data to make decisions to improving healthcare during labor and delivery.

Every year, we also host dozens of lectures and symposiums as part of our education mission. I'm particularly proud of two events we organized and hosted in 2016.

In March, we co-hosted here at UCSF a major symposium on Zika, "Preparedness for the Zika Virus: A Public Health Emergency." The symposium brought together UCSF and other Bay Area experts to discuss the clinical, research and policy issues raised by the epidemic. It created the opportunity for researchers, academics and health care providers to discuss the issues, define a research agenda and inform the public.

The following month, GHS welcomed more than 2,000 faculty, researchers, students and staff from universities across the country and around the world to the annual conference of the Consortium of Universities for Global Health (CUGH). The conference, "Bridging to a Sustainable Future in Global Health," built on the Sustainable Development Goals.

As chair of the CUGH planning committee, I was pleased to see so many students involved in the planning and to see people engaged with the presenters and one another on topics ranging from planetary health to disease eradication to health policy and diplomacy.

It was the largest CUGH conference to date. It also was a homecoming of sorts for the organization, which was co-founded by UCSF Chancellor Emeritus Haile T. Debas, MD, and headquartered at GHS for many years.

Previous page, top: Executive Director Jaime Sepulveda. Photo by Elisabeth Fall.

Previous page, left: The first cohort of PhD students from left to right: Nicholas Rubashkin, Amy Lockwood, Maricianah Onono, Emily Hall and Emily Behar. Photo by Elisabeth Fall.

Previous page, right: Madhavi Dandu, MD, MPH, director of the master's program, presents a diploma to MS graduate Talita D'Aguiar Rosa. Photo by Cindy Chew.

Above left: CUGH poster presenter talks with conference attendees. Photo by Ross Marlowe.

Above right: Symposium program cover for Preparedness for the Zika Virus: A Public Health Emergency.

Research

In our sponsored programs, we continue in partnership with our funders and others to make huge contributions in areas such as malaria elimination, HIV/AIDS research and implementation science.

The Bill & Melinda Gates Foundation renewed their grant to our Malaria Elimination Initiative, which continues to work with partners in Southern Africa, Asia Pacific and other locales to eliminate malaria. In 2016, Sri Lanka, one of MEI's country partners, was declared malaria-free by the World Health Organization. The Gates Foundation's award of \$29 million over the next five years will enable us to continue to develop tools, test interventions and support efforts to eliminate the disease.

We also received a five-year, \$38 million grant from the Centers for Disease Control to work with the California Department of Public Health (CDPH), a long-time partner, to provide surveillance, data analysis, health promotion and quality improvement to address prevention and control of sexually transmitted diseases in California. We also work with the CDPH on lead poisoning prevention,

immunizations and TB control and prevention. We are particularly proud to have been involved in developing a five-year action plan to eliminate TB in California by 2040.

We continue our work for the President's Emergency Plan for AIDS Relief (PEPFAR), working in many countries to strengthen the capacity of country stakeholders to collect, synthesize and use strategic information to inform, guide and monitor evidence-based responses to the HIV epidemic.

In addition, we have a growing portfolio of work in maternal and newborn health, including two projects in India. The first is our research collaboration with PRONTO International aimed at improving the quality of maternal and newborn care through provider training programs; the second evaluates a new mobile health intervention to improve the effectiveness and efficiency of community health workers in providing food, education and care to babies, children and pregnant and lactating women.

To reflect our expanding expertise in maternal and newborn health research and to more effectively collaborate with others at UCSF, we launched the Global Maternal and Newborn Health Research Cooperative, a campus-wide



A mother practices kangaroo care—skin-to-skin contact—which our research shows can save premature babies' lives. Photo courtesy of the Pan American Health Organization.



Stephen Senkomako Musoke and David Mugume are two of the health informaticians working out of our Uganda Global Programs Office. Photo by Fitti Weissglas.

collaboration under the direction of Dilys Walker, MD. The Cooperative brings together researchers and clinicians across UCSF to learn, facilitate collaborations, strengthen each other's work and generate opportunities for future funding and growth.

The Cooperative hosted a symposium on quality of care for mothers and newborns in December. Following the symposium, we co-sponsored a local launch of *The Lancet* Maternal Health series, for which our faculty member Suellen Miller, PhD, CNM, MHA, professor of obstetrics, gynecology and reproductive health, was a lead author.

Policy and Advocacy

At GHS, we've long understood the importance of and need for policies at the highest levels of governments to support effective and efficient health care for a country's population. This may be doubly true in low-income countries that do not have sufficient resources to care for their people.

We are privileged to have many well-respected, world-renowned experts among our leadership and faculty who continue to shape global health policy. They meet with government leaders and use their influence to advocate for health policies and health financing.

Eric Goosby, MD, for example, was recently reappointed by new United Nations Secretary-General Antonio Guterres as the UN Special Envoy on Tuberculosis. In that role, Dr. Goosby arranged three days of meetings in Nigeria with the Minister of Health, the wife of the president of Nigeria, the health leadership in the National Assembly, journalists, partner funders and other governmental representatives to raise awareness of TB.

Similarly, Sir Richard Feachem, KBE, DSc(Med), PhD, who directs our Global Health Group, played a significant role in the United Kingdom's strong support of the replenishment of the Global Fund to Fight AIDS, TB and Malaria. Feachem and Global Fund Executive Director Mark Dybul, MD, addressed members of Parliament (MPs), emphasizing the impact the Global Fund has had in reducing HIV, TB and malaria and urging

the UK to rally behind a strong commitment to the Global Fund replenishment. In response, the MPs sent a strong letter to UK's then-Secretary of State Justine Greening calling for the UK government to commit £1.2 billion to the Global Fund and highlighting the potential impact these investments would have in the UK Department for International Development priority areas.

Supporting UCSF's Global Health Work

The administration and operations that make our research possible can be challenging to manage efficiently in low-resource countries. To better support our GHS researchers, as well as other UCSF in-country global health work, we have established registered offices in Kenya, Mozambique, Namibia, Tanzania and Uganda. Registration for a sixth office in South Africa is pending. These Global Programs offices enable GHS to better control project activities, including compliance with funders' policies; to open business bank accounts; to legally hire local citizens; and to facilitate in-country procurement and vendor contracts.

In our offices in Kenya, Mozambique, Namibia and Uganda, we also employ local informatics professionals who provide technical and managerial expertise to design, develop and effectively use health information systems to inform evidence-based decision-making and strategic planning.

These are just a few of the many ways Global Health Sciences made an impact around the world in 2016.

As I look to the future, I would be remiss not to address the seismic impact the 2016 US election has had on our country and the world. At this writing, research funding, foreign aid and other health funding that are so important to our work are at risk. Despite that, I am optimistic. I think many in the US and around the world are reminded of the effectiveness of working together for the common good. In collaboration with our many colleagues, partners and funders, we will continue to find ways to advance health worldwide.

Thank you!

Jaime Sepulveda, MD, MPH, DrSc
Executive Director
Haile T. Debas Distinguished Professor

Leadership

GHS Leadership

- Alden Blair, MSc, PhD(c)**
Associate Director, Master of Science Program
- Craig Cohen, MD, MPH**
Chair, Graduate Group
- Molly Cooke, MD**
Director, Education
- Madhavi Dandu, MD, MPH**
Director, Master of Science Program
- Haile T. Debas, MD**
Founding Executive Director, Global Health Sciences
- Elizabeth Fair, PhD, MPH**
Associate Director, Master of Science Program
- Richard Feachem, KBE, DSc(Med), PhD**
Director, Global Health Group
- Eric Goosby, MD**
Director, Global Health Delivery and Diplomacy
- George Rutherford, MD**
Director, Global Strategic Information
- Jaime Sepulveda, MD, MPH, DrSc**
Executive Director, Global Health Sciences
- Christopher Stewart, MD**
Principal Investigator, Global Health Leadership Program
- Lisa Thompson, RN, FNP, PhD**
Director, PhD Program
- Paul Volberding, MD**
Director, Global Health Research
Director, AIDS Research Institute
- Dilys Walker, MD**
Director, Maternal and Newborn Health Research Cooperative

UCSF Leadership Council for Global Health

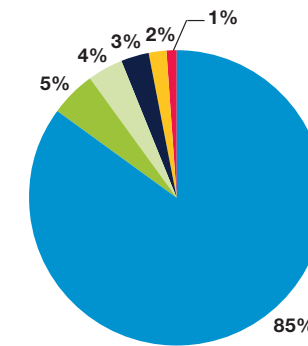
- T. Robert "Bob" Burke**
Leadership Council Co-Chair
Managing Director (retired), Metropolitan Real Estate Equity Management
- William J. Rutter**
Leadership Council Co-Chair
Chairman and Chief Executive Officer, Synergenics, LLC
- Haile T. Debas**
Director Emeritus, UC Global Health Institute
- Richard Feachem**
Director, UCSF Global Health Sciences
Global Health Group
- Nicholas Hellmann**
Executive Vice President of Medical and Scientific Affairs, Elizabeth Glaser Pediatric AIDS Foundation
- Sandra R. Hernández**
President and Chief Executive Officer, California HealthCare Foundation
- Jeffrey (Jeff) Hessekiel**
Executive Vice President and General Counsel, Exelixis, Inc.
- Mary Anne Koda-Kimble**
Dean Emeritus, UCSF School of Pharmacy
- The Honorable Howard H. Leach**
President, Leach Capital, LLC
- Cecilia C. M. Lee**
Chairman, David S. L. Lee Foundation
- David S. Lee**
Chairman of the Board, eOn Communications Corporation
- Sanford R. "Sandy" Robertson**
Founder, Francisco Partners
- Jaime Sepulveda**
Executive Director, Global Health Sciences
Haile T. Debas Distinguished Professor
- David (Dave) Smith**
President, Interpacific Group
- Holly Smith**
Associate Dean Emeritus, UCSF School of Medicine
- Michael (Mickey) Urdea**
Managing Partner, Halteres Associates
- Phyllis Whiteley**
Partner, Mohr Davidow Ventures; Co-founder & Chief Executive Officer of Didimi

GHS Administration

- Jeremy Alberga, MA**
Chief Operating Officer, Global Health Group
- Inez Bailey, MS**
Manager, Education Programs
- Colin Boyle, MBA**
Deputy Director, Global Health Sciences
- Rebecca Cantor**
Managing Director, AIDS Research Institute
- Jane Coyne**
Director, Tuberculosis Programs
- Jane Drake**
Director, Global Operations
- Lissette Irizarry**
Senior Executive Assistant to the Director
- Alisa Jenny**
Strategic and Technical Advisor
- Usma Khan, MS**
Director, Staffing and Strategic Operations
- Catherine Lee, MPH**
Deputy Director, UC Global Health Institute
- Amy Lockwood, MBA, MS**
Chief of Staff, Global Health Delivery and Diplomacy
- Georgina Lopez**
Director, Finance and Administration
- Hannah Park**
Deputy Director, Maternal and Newborn Health Research Cooperative
- Kyle Pusateri**
Director of Operations, Global Health Group
- Anne Wolf**
Manager, Communications
- Kelly Young, MA**
Deputy Director, Global Strategic Information

Financials

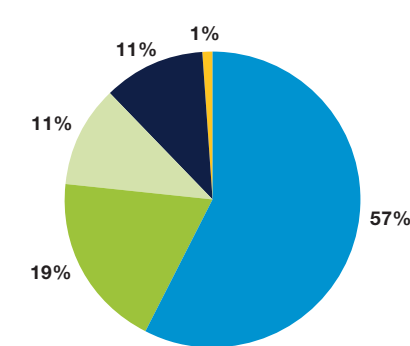
Fund Sources



Total: \$63,711,671

- Sponsored projects
- Campus support
- Gift/endowment income
- Tuition and fees
- Recharges
- ICR recovery

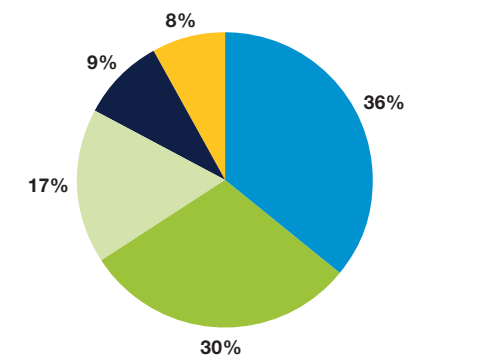
Fund Uses



Total: \$63,359,280

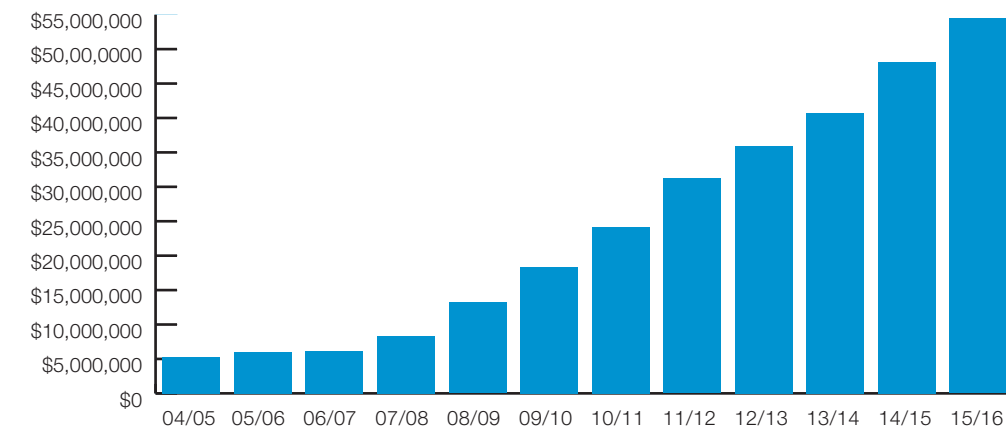
- Personnel costs
- Other non-payroll
- Subawards
- Facilities and administration
- Campus fees

Major Funders of Sponsored Projects



- Bill & Melinda Gates Foundation
- Centers for Disease Control and Prevention (CDC)
- President's Emergency Plan for AIDS Relief—PEPFAR (CDC)
- National Institutes of Health
- Other

Sponsored Projects Expenditures



Data on this page reflects in-year project expenditures for fund year July 1, 2015–June 30, 2016. Total grants awarded in the fund year equal \$63,455,000. Totals include the AIDS Research Institute.

Donors

We are grateful to the individuals, families and organizations that provided generous support to help us advance GHS and ARI research and programs in 2016.

Corporations and Foundations

amfAR: The Foundation for AIDS Research
Bill & Melinda Gates Foundation
California Foundation for Molecular Biology
Chevron
Drollinger Family Charitable Foundation
ExxonMobil Foundation
Gartner Matching Gift Center
Gilead Sciences, Inc.
Glaser Progress Foundation
Horace W. Goldsmith Foundation
Johnson & Johnson
Novartis Foundation for Sustainable Development
Peter and Shelagh Godsoe Family Foundation
Results for Development Institute (R4D)
W. Clarke Swanson, Jr. Foundation
Universidad Nacional Autonoma de Mexico (UNAM)

Individuals and Families

\$100,000–\$500,000

Katherine S. and T. Robert Burke

\$10,000–\$99,000

Jennifer Babik
Charitable Fund
Jeffrey Jennings
Michael Steinberg

\$1,000–\$9,999

Molly M. Cooke and Paul A. Volberding
Leon F. Drozd, Jr.
James Ely
Ilona J. Frieden and Mark A. Jacobson
Deborah and John S. Greenspan
Janice J. and William B. Kerr
Sharon and Jay A. Levy
Michael R. Light
John B. Morey, Jr.
Steven Phillips
Catherine S. and John M. Sanger
Andrea Martin and Jaime Sepulveda
Isabel Swift
Ted Taplin
Vijaya and Anjani Thakur
A. Eugene Washington
Sophy S. Wong and Young W. Choi

\$100–\$999

Anonymous
William W. Atkins
Anna and Ara J. Bagdasarian
Alvin H. Baum, Jr.
Michael P. Busch
Margaret M. Byrnes
James M. Campbell
Rebecca E. Cantor
Margaret A. Chesney and David E. Anderson
Peter Y. Clark
Craig R. Cohen
Ellen Daniell and David H. Gelfand

Greta L. and Brian C. Davison
Edna M. Frigo
Monica R. Gerber
Estate of Marie A. Gillespie
Diane V. Havlir and Arturo Martinez
Peter Hunt
Stephen D. Hutcheon
Evan Kavanagh and Andrew Harkins
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Bruce McIntyre
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William K. Nisbet
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Alexandra M. and Phillip J. Norris
Hannah Park
Patricia E. Perry and Stephen J. McPhee
Carmen J. Portillo and Douglas E. Eckman
Gabriel A. Proo and Max C. Kirkeberg
Edward M. Reyes
Robert S. Rhine
John T. Robinson
Alan F. Sauer
Hyman M. Scott
Simon Sheppard and William W. Atkins
Peggy S. and James L. Shiovitz
Geoffrey Sledge
Stephen L. Sloan
Ward O. Smith
Kathryn S. and Timothy D. Statton
Alexis S. and Trevor D. Traina
Victor G. Valcour and Douglas G. Janes
David H. Wacker
Jinmei Woan

Listings are for the 2016 calendar year.



Editor
Anne Wolf

Graphic Designer
Kerstin Svendsen

Front cover, top: Community clinic in Mpanga, Uganda; front cover, bottom: A member of a community cooperative in Nkozi, Uganda. Photos by Matthew Gillooley.

Back cover: In Diganwewa, Sri Lanka, villagers learn how to prevent malaria and recognize warning signs. In 2016, Sri Lanka was declared malaria-free. Photo: The Global Fund/Kuni Takahashi.

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