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Front Cover Image: "Lardi's Pride"  
Nangodi, Ghana  
Photo by Swati Sudarsan, MSPH
This year, our twelfth year, has been an important one for the Johns Hopkins Center for Global Health, and we are excited to share our end of year report with this exceptional global health community.

As academic global health programs, centers, and institutes continue to develop and flourish, it is increasingly important to pursue our mission and activities. The Center’s primary goal is to facilitate and focus the extensive expertise and resources of the Johns Hopkins institutions together with global collaborators to effectively address and ameliorate the world’s most pressing health issues. We strive to achieve this goal by coordinating and supporting the efforts of our faculty in finding solutions to the ever-increasing worldwide health threats in low- and middle-income countries, to provide unique opportunities for our students to work with their mentor faculty in the field, and to experience the world of global health outside of the classroom.

As educators and trainers, we develop and support robust applied learning experiences in low resource settings around the globe. In 2018 we supported 94 students and trainees to travel and work internationally in 30 countries through our four grant programs. As conveners we build bridges between disciplines to better position our faculty to compete for external funding, connecting silos of excellence to facilitate collaboration and generate innovation. This year the Center helped its faculty compete and win the STAR award from USAID, a $94 million grant to Public Health International, Johns Hopkins University and two other institutions. The CGH has also been working closely with colleagues in the Schools of Medicine, Nursing, and Public Health to build a new Center for Global Surgery and to build Global Health Tracks within individual departments.

Through research we develop the evidence base for our applied training experiences by examining and refining best practices to support safe and equitable experiences. The Center provides critical resources in travel preparation and wellness through both the School of Public Health and the online MOOC, Coursera which has reached over 11,000 learners since its launch. This past year we supported 5 Global Established Multidisciplinary Sites (GEMS) in 7 countries, involving 15 faculty from 6 disciplines and 16 students. Faculty expertise included nanoparticle engineering, pulmonology, social and behavioral science, planetary sciences, education, community development, microbiology, nursing, business, and gender equity. Through these efforts we move closer and closer to our ultimate goal: a world in which all people live a life of wellbeing.

As we close out the year, I want to extend my gratitude to the global community which continues to support the work we do at the Center. Happy holidays and warm wishes for the new year.

Sincerely,

THOMAS C. QUINN, MD MSc
Director, Johns Hopkins Center for Global Health
Professor of Medicine, Public Health and Nursing
Johns Hopkins University
The Johns Hopkins Center for Global Health was founded in 2006 at the behest of the Deans of the Schools of Medicine, Nursing, and Public Health to serve as a hub for global health interest at Johns Hopkins University. The Center’s mission has stayed true since that day: “to facilitate and focus the extensive expertise and resources of the Johns Hopkins Institutions together with global collaborators to effectively address and ameliorate the world’s most pressing health issues.” Global health recognizes that illness is not limited by borders or nationalities and that wellbeing is the right and responsibility of all.

Over the last 12 years the Center has grown beyond the health professions to now represent the broad range of global health interest at JHU. Our programming includes four student travel grants programs (page 6), an annual schoolwide Global Health Day event (page 11), and original research to strengthen training experiences (page 12).

Since 2006, we have funded 864 students and trainees to gain valuable experience in global health research and practice in a variety of contexts. Our faculty work on five continents on projects ranging from peer counseling for adolescents with HIV/AIDS to hand-washing interventions to reduce the risk of diarrheal disease. The Center also provides instrumental support to JHU students engaging in global training electives through our International Travel Preparation, Safety, and Wellness course. This online offering is designed to equip everyone from novice travelers to seasoned professionals with vital knowledge about working and learning safely and respectfully abroad.

This year has been a year of exciting growth and change. In March, we welcomed Dr. Raj Panjabi, MD MPH of Last Mile Health to share his experiences working for the health of communities in Liberia. CGH Assistant Director Anna Kalbarczyk and program coordinator Nina A. Martin co-authored a paper evaluating the flagship Global Established Multidisciplinary Sites program (see page 10). This spring, we launched an open-access Coursera version of our international travel preparation course, which has since had almost 2000 completions. We welcomed Dr. Bhakti Hansoti, Assistant Professor in the Department of Emergency Medicine at the Johns Hopkins School of Medicine, as our Associate Director for Academic Programs. This fall, we celebrated Dr. Bob Bollinger, Associate Director of Medicine, in his endowment as the Raj and Kamla Gupta Professor of Infectious Diseases, a prestigious honor celebrating his work in clinical research and education.

The Center for Global Health continues to play a critical role in supporting student and faculty engagement in global health. Please read on to find out about who we are and what we’re planning!
## 2018 Travel Programs

### Where Our Students Travel | 2018

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For a number of years, the Center for Global Health has supported student participation in faculty research projects abroad through the Global Health Established Field Placements (GHEFP) program. Johns Hopkins students interested in gaining applied global health experience apply for specific projects offered by Hopkins faculty and their local collaborators. CGH makes selections based on student and faculty priorities. Selected students are given $3,500 to cover travel and living costs for a minimum of six consecutive weeks abroad.

Women-Empowered HIV Prevention in South Africa

Leah Holmes, MSPH ’19, spent June to October 2018 working with the Witkoppen Health & Welfare Centre in Johannesburg, South Africa. Leah supported the implementation of a DREAMS study that offered multiple HIV prevention intervention options for adolescent girls and young women. She performed the data analysis for the qualitative portion of the study that examined the barriers and facilitators to distribution, uptake, and adherence of oral-based HIV self-testing and oral pre-exposure prophylaxis.

"Be curious. Get to know your co-workers and your community deeper than the surface level. Chances are, they have grown up very differently from you and will have a very interesting world view that challenges how you think and encourages you to see things from a different perspective."

-Leah Holmes, MSPH ’19

Leah and community health workers from Witkoppen Health and Welfare Centre recruiting and enrolling adolescent girls and young women for study participation

Photos by Leah Holmes, MSPH ’19
The Global Health Field Research Award (GHFRA) is a program designed for students who wish to engage in independent, student-driven research within an existing JHU faculty research project. Students are responsible for formulating original research questions and proposals. Selected students receive a $3,500 grant to cover travel and living expenses while abroad. GHFRA provides an excellent opportunity for students to explore research questions related to their existing interests through self-directed work abroad with support from Hopkins faculty members.

"It was my privilege to work so closely with my Burmese colleagues, and the only truth that I can relay is simply that Myanmar warrants our attention in a broader way - it's successes and failures, its complexities, and its contradictions."

-Daniel Lakin, PhD ‘19

Understanding Men’s Engagement with Psychotherapy in Myanmar

Daniel Lakin, PhD ‘19, spent his summer in Yangon, Myanmar, carrying out a preliminary investigation on factors that influence men’s engagement with psychotherapy. Across the world, men are less likely than women to seek mental health care. Daniel’s research explored contextual barriers and facilitators to seeking and initiating care. Most of Daniel’s time was spent at the office of his local collaborating organization conducting interviews with men and mental health care providers. He hopes to develop a conceptual framework that encompasses his preliminary findings that can be applied in future patient-focused interventions.
Global elective experiences can be inspirational, powerful, and defining moments in a physician’s training. With the support of the Gilead Foundation and the Johns Hopkins School of Medicine, the Center for Global Health provides travel grants through the Paul S. Lietman Travel Grant Fellowship for residents and fellows to engage in rotations in low- and middle-income countries. Selected applicants approved by CGH, residency directors, and the Associate Dean for Graduate Medical Education will be awarded $3,500-$5,000 to support travel and placement-related costs. Since the program began in 2010, CGH has funded 157 housestaff and fellows interested in pursuing careers in global health.

“It was the first time probably since starting medical school that I spent an entire month without a stethoscope draped around my neck. It was in many ways a liberating reminder that there are so many opportunities available and so many ways to potentially make a difference in global health.”

-Sam Gottlieb, MD PGY-3

Helping Babies Breathe and Mothers Survive in the Philippines

Sam Gottlieb, MD PGY-3, spent a month in the Philippines with a cohort of pediatric residents and faculty from the Johns Hopkins University School of Medicine, local partners from the Philippines government, and the Davao Medical School Foundation. The team implemented the “Helping Babies Breathe” and “Helping Mothers Survive” curricula in the rural Mindanao region. These evidence-based programs train providers in prevention of birth asphyxia and postpartum hemorrhage management, major causes of death in mothers and newborns. Under the supervision of Dr. Nicole Shilkofski, Sam participated in a “train the trainer” course, building local clinical capacity to manage these conditions effectively.
The Global Established Multidisciplinary Sites program facilitates multidisciplinary innovation for global health challenges. Faculty members working on projects that require a multidisciplinary approach are encouraged to apply to develop a site and build a team. With support of the Gilead Foundation, each GEMS is eligible to receive up to $10,000 in local coordination costs and up to $20,000 to distribute to students for one year of support. Sites host and mentor 3-5 students from 3 or more disciplines to collaborate and develop a solution to proposed problems.

Integrating HIV Care Delivery into Microfinance

Qulu Zheng, MHS ‘19, spent the summer in western Kenya with the Academic Model Providing Access to Healthcare (AMPATH). The AMPATH model is built on the principle that successful and sustainable global health projects require integration of local involvement in care, training, and research, emphasizing local capacity strengthening to deliver quality healthcare services. Qulu’s daily work consisted of assessing data quality to improve HIV care delivery and qualitatively examining the impact of microfinance on HIV care outcomes.

2018 GEMS Awardees

- **Eldoret, Kenya**: Feasibility and acceptability of integrating HIV care delivery into microfinance groups coordinated by Becky Genberg, PhD

- **Peru, Uganda, Nepal**: Implementation of case finding and self-management action plans for COPD coordinated by Suzanne Lee Pollard, PhD

- **Bolivia**: The DART Study - Development of an Antigen Rapid dipstick Test for Bedside Detection of Pediatric Tuberculosis coordinated by Amanda Debes, PhD

- **India**: Prevention of anemia in women in Bhikamkor, India coordinated by Rosemary Morgan, PhD

- **South Africa**: Matla Mobile: a patient-centered mHealth system to improve HIV care continuum coordinated by Jonathan Golub, PhD

"Fortunately, through the field work in Kenya, especially spending time knowing my local friends and communicating with local people, I regained the meaning of my work"

- Qulu Zheng MHS ‘19
Each year, CGH hosts Global Health Day (GHD) to celebrate JHU faculty, staff, and students’ work around the world with local and international partners. GHD 2018 had fantastic turnout: 96 students and trainees presented reflections on their experiences, showcasing a wide range of projects from laboratory science to qualitative research to clinical training. Dr. Raj Panjabi, MD MPH ’06, shared an inspiring keynote address, focusing on the importance of equity and the power of communities to shape their own health.

This year, the Center is excited to welcome Dr. Michele Barry, Director of the Stanford Center for Innovation in Global Health, to deliver our keynote address at Global Health Day 2019. Dr. Barry is a renowned figure in global health and student training and is one of the founding members of the Women Leaders in Global Health conference.

Alumni Spotlight

Dr. Susan Emmett, an otolaryngologist and 2013 recipient of the Paul S. Lietman travel grant, has dedicated her career to addressing disparities in preventable hearing loss in children around the world. During her time at Hopkins, Emmett worked with Dr. Keith West in Sarlahi, Nepal on a project to better understand the connections between undernutrition and hearing loss.

In 2017, Emmett was one of 21 individuals worldwide to be selected as a TED Fellow. She traveled to Arusha, Tanzania to deliver a TED talk during TED Global, discussing her randomized trial with Norton Sound Health Corporation to develop a new method for school hearing screening and referral in rural Alaska. The study relies on Alaska’s extensive telemedicine network and applies a low-cost, cell-phone based solution to an overlooked problem. Dr. Emmett currently serves as Assistant Professor of Surgery and Global Health at Duke University. You can read more about her work here.

Global Health Day

Dr. Raj Panjabi, MD MPH ’04 delivering the keynote address | Photo: JHSPH OEA

Dr. Emmett presenting at TED Global in Arusha, Tanzania | Photo courtesy of Susan Emmett

Dr. Emmett presenting at TED Global in Arusha, Tanzania | Photo courtesy of Susan Emmett
A cornerstone of our programs is research to strengthen the rigor of our students’ and trainees’ experiences and its impact on our partners. This year, we have identified four critical areas of research that are essential to supporting this work.

**Pre-departure preparation:** Ensuring students have appropriate information about safety, wellness, and culture is critical to support high quality global learning experiences. CGH has for a number of years offered pre-departure preparation to its students. In 2014, we created a fully online class that addresses many of the challenges students may face during overseas placements - from road safety and travel insurance to self-care and adapting to culture shock. This course has since been utilized by many students across JHU and adapted into a Coursera module to allow greater access for professionals and students globally. To help us understand what content is most important to students, we conducted a systematic review of pre-departure preparation programs used by other institutions and organizations. We found that most training programs address some but not all important topics. The next steps are to conduct targeted interviews with students and trainees to understand in their own words what worked and what did not, to better inform our programming and the evidence base around pre-departure preparation.

**Equitable partnerships:** The relationship between faculty mentors at JHU and students is important to support students’ growth and learning before, during, and after their global experiences. Equally important are local collaborators - the individuals based overseas who mentor our students, manage field operations, and co-lead research and implementation alongside JHU faculty. We believe it is important to understand how our collaborators feel about engaging in these partnerships and what we can do to support fair, mutually beneficial collaboration. This spring, we conducted a survey at the Consortium of Universities for Global Health (CUGH) asking respondents about their thoughts on what helps and hinders collaborations. These results are going to be shared soon with our global health community!

You can find a full list of CGH publications in the “News” page on our website.
Program Development

Project SOAR (Supporting Operational AIDS Research) is a five year collaborative project funded by the US President’s Plan for Emergency AIDS Relief and the US Agency for International Development to strengthen HIV prevention, treatment, and care services through operations research, capacity strengthening, and research utilization. Johns Hopkins University is a key collaborator, with several faculty serving as Principal Investigators on SOAR research projects. To facilitate SOAR’s goals, the Center for Global Health worked with faculty at the Schools of Public Health and Medicine and Project SOAR partners to design and host two workshops aimed at capacity strengthening and mentorship. These workshops invited mid-career professionals across Sub-Saharan Africa from academia, NGOs, and government to discuss common issues, gain practical skills to translate research into practice, and support individual professional growth. You can read more about the 2018 workshop here.

Since 2016, the Center for Global Health has facilitated the establishment and operation of the Center for Global Surgical Care. The Center for Global Surgical Care represents 12 surgical specialties at the Johns Hopkins School of Medicine, as well as the School of Nursing and the Bloomberg School of Public Health. The GSC Steering Committee currently meets quarterly to share events and progress in global surgery across Johns Hopkins University. This year, the Johns Hopkins Center for Global Health provided seed funding to support the Global Surgery Student Alliance chapter for medical students at the Johns Hopkins University School of Medicine. To learn more, contact Dr. Tom Quinn or Dr. Bhakti Hansoti. CGH also serves as a convening hub for other global health interests across JHU, including global health interests at the Johns Hopkins School of Medicine via the Global Health Leadership Program or the Global Health Pathways Program within the Department of Internal Medicine.
"Next in Line"
Sabalibougou, Mali
Photo: Tim Werwie, MPH, MFA
In Closing

The Johns Hopkins Center for Global Health coalesces Hopkins students and faculty from across disciplines and schools to create rich collaborations with stakeholders from across the world. The 2018 End of Year Report highlights the students and faculty members supported by the Center and projects that promote sustainable solutions to pressing health issues. The Center will continue to support meaningful learning experiences and equitable partnerships with the goal of transcending borders for world health.

If you would like to support the Johns Hopkins Center for Global Health in this pursuit, please visit our donation page.