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The Johns Hopkins Center for Global Health (CGH) employs a one-university approach to global health, catalyzing activities across the University for students, faculty, and collaborators through innovative approaches to resource sharing, convening, and applied learning. Since 2006, CGH has served as a funding and resource hub by providing faculty and student grants, convening multidisciplinary teams to respond to calls for applications, supporting field-based learning, and connecting JHU researchers to each other and to international partners.

Our mission: To catalyze global health activities across the University for students, faculty, and collaborators through innovative approaches to resource sharing, convening, and applied learning.

Our vision: A "One University" approach to impact global health challenges.

Core Activities
- Convene JHU experts to develop multidisciplinary proposals
- Catalyze meaningful global health opportunities for faculty and staff
- Support and coordinate applied learning experiences
- Serve as a hub for global health resources for JHU
- Coordinate global health activities across JHU
- Foster equitable collaborations with international partners

This report was produced by Meagan Harrison with support from Eumihn Chung and Anna Kalbarczyk. The report was published on December 20, 2021.
As I reflect on the year of 2021, I remember the optimism that we all felt when the results of the SARS-CoV-2 vaccine trials were announced in early December 2020. With lightning speed, SARS-CoV-2 mRNA vaccines were developed, produced and efficacy trials launched. After phase 1, 2 and 3 trials were completed within a record-breaking time that involved hundreds of thousands of volunteers, we heard that the efficacy of these vaccines was over 95%. The FDA approved EUAs for their release to the adult population, and the race was on to get as many people vaccinated as quick as possible. While 1-2 million people a day were being vaccinated, we started to hear about the effectiveness studies which looked as good, if not better, than the efficacy trials. The vaccines worked better than expected in limiting hospitalizations and serious disease, and by mid-2021, we had very high confidence that the pandemic was in ebb.

How wrong we were! Multiple reasons exist for the persistence and worsening of this pandemic, and we struggle to address these issues even today. First, there was a reluctance on a segment of the population to be vaccinated. While 201 million people or 61% of the US population is vaccinated, it leaves 39% unvaccinated and therefore susceptible to infection and onward transmission. Second, there was miscommunication about the public health steps to prevent further transmission even among the vaccinated, and there was a lagging fatigue in maintaining those steps as the numbers of cases started to rise. Third, while high-income countries distributed vaccines to their populations, low-income countries, particularly in sub-Saharan Africa had few vaccines for their population despite the good intentions of WHO, COVAX and bilateral assistance. This low vaccination rate in many countries may have resulted in continued high transmission rates and the eventual evolution of viral variants from alpha to omicron which currently threaten the effectiveness of the very vaccines we were so excited about one year ago. Yes, boosters work to limit severity even with these viral variants, but you must have been fully vaccinated to now receive a booster, which ups the ante. So once again, COVID-19 continues to threaten global health everywhere. In the US, 50 million have been infected and over 800,000 people have died (see photo). Globally, 272 million people have been infected with over 5.3 million deaths. These numbers are underestimates for sure, and the global impact is much greater than the numbers reflect in many ways.

I emphasize these pandemic trends mainly because they dominate the global health field today. Our ability to meet the challenge of limiting the suffering and deaths due to COVID permeate our work daily. However, COVID is not the only global health challenge, and the Hopkins Center for Global Health has had a very busy and productive year in working with faculty and students to engage in both field activities and educational programs aimed at the ever-widening spectrum of global health issues facing us today.
As you will see in this year’s report, the Center served as a virtual Hub for convening faculty, experts and students to review and educate one another on the current global health threats. In collaboration with the Global mHealth Initiative we hosted the Pandemic Pulse Project. This involved joining experts in public health, computational sciences, and infectious diseases epidemiology. We partnered with the new Johns Hopkins India Institute as the pandemic rose to frightening levels in India to help raise awareness and to hear from in-country experts about the daily tempo and response to the pandemic there.

Although the pandemic persisted throughout the year and travel was limited, we were able to continue sponsoring students to travel or participate remotely in global health projects led by our faculty. Because gatherings of large groups are still prohibited, we moved our annual global health day to a virtual experience which was exciting for all with special web formats for interactions of the poster presenters. We celebrated the winners of the Global Health Day Poster Competition and presented awards to faculty for their mentorship. The recipients of these awards and the events of the Day are presented in this report.

One of the highlights of the year for the Center was the continuation of the Women’s Leadership Seminar Series launched in 2020 which hosted 5 seminars of outstanding young women leaders in global health. This series drew 631 participants representing 63 countries and will continue in 2022 based on its success and popularity. These educational and vocational seminars were also complemented by the development of the Women in Global Health Slack Workspace and the first Global Speed Networking event. Women involved in global health careers also agreed to work on a series of papers focused on the development of women’s leadership in the field of global health to be published in the Annals of Global Health.

Please read more about the Center’s activities in this year’s report. I am so thankful to Anna Kalbarczyk and Meagan Harrison for their dedication and innovation in promoting and managing the activities of the Center. I am thankful for the financial support of the Provost for the Women's Leadership Forum, for the Associate Directors for their guidance and commitment to making the Center a success, and for the faculty and our international partners that truly comprise the global health research and educational enterprise of this University. Finally, we are here to serve all the students of the University and we are always open to your suggestions, advice, and participation in the Center of Global Health activities.

Best wishes for the Holidays and a Healthy New Year,
Tom

Thomas Quinn, MD
Director
Johns Hopkins Center for Global Health
Although COVID-19 vaccinations have allowed for return of some in-person activities, CGH still remains connected using social media, Zoom, our weekly newsletter, and a newly created Women in Global Health Slack Workspace that is being used as a networking platform.
In 2021, the world learned how to respond to an ongoing global pandemic. With sustained travel restrictions and in-person events limited, the Center for Global Health continued with the strategic virtual programming that we developed in 2020. Other groups within the University took notice and sought our support to produce their own virtual offerings. As such, we expanded efforts and became a hub for virtual events, hosting numerous groups on our platform, working towards our mission to catalyze global health activities across the University through innovative approaches to resource sharing, convening, and applied learning.
A HUB FOR CONVENING VIRTUALLY

NATIONAL PANDEMIC PULSE STUDY SEMINAR SERIES

The Pandemic Pulse project was launched by epidemiologists at Johns Hopkins University within the Global mHealth Initiative with expertise in public health, computational sciences, and infectious disease epidemiology. The goal is to help practitioners, policy makers, and the public make informed decisions to mitigate the spread of SARS-CoV-2. Using online surveys, the research focuses on providing data and analyses on human behavior (masking, mobility, social distancing, access to testing, etc.) and transmission to assist in the control of the COVID-19 pandemic.

The Center for Global Health coordinated and hosted the dissemination seminars for the study.

The recordings are available on the CGH YouTube Channel.

Photo by Canva (c) 2020

4 seminars
324 unique attendees
124 average attendees per session
38 countries represented
We partnered with the Johns Hopkins India Institute for a two-part seminar series called "COVID-19 in India: Voices from the field".

- **2 seminars**
- **29 countries represented**
- **277 unique attendees**
- **156 average attendees per session**

We partnered with the India Primary Health Care Support Initiative (IPSI), led by Johns Hopkins Bloomberg School of Public Health and AIIMS-Delhi for a two-part webinar series called "Public Health Matters".

- **2 seminars**
- **49 countries represented**
- **337 unique attendees**
- **186 average attendees per session**

**RESOURCE SHARING**

CGH has brought together the recordings from all of the webinars we have hosted on our YouTube channel as a resource for the global health community.
This year we continued to award annual student grants and fellowships. Students were able to travel or participate remotely for the Global Health Established Field Placement, and the 2021 Lietman Fellowship winners will be announced in December 2021.

Due to COVID-19, we moved our annual Global Health Day 2021 event to a virtual experience. While we could not meet in person, we were still able to provide a forum for students to share their global health experiences and celebrate the winners of the annual Global Health Day Poster Competition.

We were also able to honor 3 faculty mentors with 2021 Faculty Advising Awards for excellent mentorship of global health students.
Global Health Established Field Placement (GHEFP)

The GHEFP provides travel support to students doing practicums at Hopkins-affiliated global health placements.

When it became apparent that travel would still be limited in 2021, we worked together with the faculty mentors, students, and the Dean's office to have a remote GHEFP with the possibility for travel if it became available. 27 GHEFP students participated in the program. 13 were able to travel and 14 completed their practicums remotely. CGH provided an initial $2,000 to all GHEFP students and an additional $1,500 to those who were able to help travel to cover their expenses.
Kristin Meek, MSPH Student

"I am a social and behavioral interventions MSPH student within the International Health Department, and my GHEFP site was in South Africa. Being able to travel internationally for the first time to work on the design and upcoming implementation of an enhanced social media, cluster randomized controlled trial with TB HIV Care was extremely rewarding. The team was incredibly welcoming, and I also received ample support from my PI, Dr. Sheree Schwartz, and other team members back in the United States. While in South Africa, I was able to visit multiple program sites and gather important contextual information that will be crucial to the effective rollout of the trial in early 2022. It's very exciting to know my input on the intervention design, trial randomization, and materials for the field staff will be incorporated into the national trial. I want to thank the Center for Global Health for being flexible and making travel possible while ensuring my safety throughout the process."

Althea Wolfe, MSPH Student

"I am a second year MSPH candidate in the PFRH department, concentrating in Women's, Sexual, And Reproductive Health. I was able to travel to Senegal for three months, and work on the Stigma Index 2.0 Project and several Key Populations Investment Fund projects under my PI, Dr. Stefan Baral. I have returned from Dakar with more technical data skills, increased awareness of HIV/AIDS funding and study development, and knowledge of the specific HIV landscape and needs of key populations within Senegal. My JHU supervisors were with me remotely every step of the way, and our local partner, Enda Sante, was an incredibly generous host. I am deeply grateful for the opportunity to be involved in such large-scale HIV research that prioritizes the needs of people living with HIV. And I recognize what a privilege it is to be able to travel and learn about a new culture during a pandemic. I was immediately set up with COVID testing information and resources, and I felt very safe my entire stay. Thank you to Enda Sante, the KP team, and CGH for all the support!"
Global Health Field Research Award

The Global Health Field Research Award provides travel support for student-initiated research at Hopkins-affiliated global health field sites. We did not award new grants in 2021, but two students from the 2020 cycle were able to complete their research with CGH support this year either remotely or in-country.

Lietman Fellowship

The Paul S. Lietman Global Travel Grant for Residents & Fellows supports travel for residents and fellows completing rotations in low- and middle-income countries. Due to COVID-19 we did not have a Spring 2021 cycle, but we will be awarding grants for the Fall 2021 cycle at the end of December, 2021.
Each year, the Center for Global Health celebrates Global Health Day by sharing and informing global health knowledge, expertise and experiences with the Johns Hopkins local and international communities. Due to COVID-19, Global Health Day 2021 activities were moved **online**. We collaborated with the Department of International Health to host a full-day conference that included featured two keynote speakers, a virtual student poster session, student oral presentations, and an interactive "deep dive" panel into decolonizing global health.

The day's topics highlighted critical challenges facing the globe today, including COVID-19 and antimicrobial resistance, and ways to approach our work as a global health through empowerment and equitable partnerships. Winners of the Global Health Day Poster and Faculty Mentorship Awards were announced at a virtual awards ceremony at the conclusion of the event.

The recording of the event can be found on the [CGH YouTube Channel](#).

![Photo by Ronald Walters (c) 2019](#)
**1st place**

**Julie Stellman**

"Exploring the use of thermal cooker bags in Puno, Peru"

By Julie Stellman

**Approach (Method)**

- **Background/Problem:**
  - Thermal cooker bags in Puno, Peru.
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Hypothesis:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Method:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Results/Discussion:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Milestones:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Conclusion:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

- **Future work:**
  - Thermal cooker bag use.
  - Thermal cooker bag challenges.

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**2nd place**

**Alexandra Mueller**

"The hidden burden of disease in southern province Zambia: characterizing febrile, respiratory, and diarrheal illnesses through active household surveillance in a low malaria transmission setting in southern Zambia"

By Alexandra Mueller

**Background/Problem**

- The hidden burden of disease in southern province Zambia.
- Characterizing febrile, respiratory, and diarrheal illnesses.
- Active household surveillance in a low malaria transmission setting.

**Methods/Analysis**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.

**Results/Discussion**

- Disease prevalence.
- Disease trends.
- Disease burden.

**Conclusion**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.

**Future work**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.

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**3rd place**

**Sofia Ryan**

"Exploring the barriers and facilitators to PrEP uptake and PrEP adherence among female sex workers: Implications for intervention design"

By Sofia Ryan

**Background/Problem**

- Exploring the barriers and facilitators to PrEP uptake.
- Exploring the barriers and facilitators to PrEP adherence.
- Exploring the barriers and facilitators to PrEP adherence.

**Methods/Analysis**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.

**Results/Discussion**

- Barriers and facilitators to PrEP uptake.
- Barriers and facilitators to PrEP adherence.
- Barriers and facilitators to PrEP adherence.

**Conclusion**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.

**Future work**

- Data collection methods.
- Data analysis methods.
- Data interpretation methods.
Dr. Bass has dedicated a significant proportion of her career to mentoring the next generation of leaders in global mental health. She provided close academic support during a particularly grueling part of my doctoral program, which has been made more challenging by the global pandemic.

Dr. Judy Bass  
Associate Professor  
Department of Mental Health  
School of Public Health

I have never had an adviser with such a warm, welcoming personality and desire for making a true, meaningful impact in others' lives. Dr. Talaat sacrifices a lot of her time to make sure that students have the best experience possible at Hopkins.

Dr. Kawsar Talaat  
Associate Professor  
Department of International Health  
School of Public Health

Dr. Zia has provided dedicated, consistent mentorship and support on her own time. This comes from a sincere dedication to helping students succeed and the tremendous commitment she brings to all her projects. As a junior faculty member with so many responsibilities on her plate, it is impressive how committed she is to mentoring students, and she does it very well.

Dr. Nukhba Zia  
Assistant Scientist  
Department of International Health  
School of Public Health
With support from a grant from the Provost's Office, the Center for Global Health created a virtual Women's Leadership Seminar Series in 2020 to expose students and other members of our community to non-academic career paths in the field of global health using a women's leadership lens.

We continued to produce this seminar series in 2021 and hosted 5 seminars featuring esteemed global health leaders and built an international community of young women leaders this year.
In 2021, the Center for Global Health continued to host its women's leadership seminar series. This series is funded in part by the Provost's PhD Professional Development Initiative. It is designed to support JHU doctoral students to explore non-academic careers in global health by exposing them to women in top leadership positions in global health.

The act of speaking out and doing the right thing has such great consequences, particularly for women. It requires a lot of strength and resilience.

Fatima Hassan
Founder and Director of the Health Justice Initiative
Women in Global Health Slack Workspace

We continued to cultivate a vibrant Slack workspace to connect attendees for virtual networking, engage members with polls and discussion posts, advertise job postings, and encourage solution-finding. We now have over 750 brilliant women in global health in our Slack network.

Virtual Networking Events

The first Global Speed Networking event was a networking event modeled after "speed dating". Using a new platform called Gather, participants were "seated" across from each other at a long table and were given a few minutes to present an elevator pitch. To encourage meaningful discussions about general female leadership and networking, CGH provided participants a "Resource Library" of networking preparation materials prior to the event. Over 100 people attended this virtual event.

After reviewing feedback from the first networking event, we hosted a second session that prioritized "table" or "group" networking for longer periods of time. Registrants received table assignments prior to the event, and they navigated to their assigned tables to participate in guided discussions. Over 50 people attended this session.
In 2021, the Center for Global Health convened JHU researchers to collaborate on grant submissions. The team also published important manuscripts and hosted a satellite session for the Consortium of Universities for Global Health (CUGH) 2021 conference. In addition, the Center for Global Health made an agreement with the Provost Office to allow CGH to lead the convening of JHU researchers for all global health limited submissions.
LAUNCH Mentored Research Training Program (NIH)
This grant was recently deemed "likely to be funded" by the NIH. The grant will be awarded to PI and CGH faculty member Dr. Will Checkley and CGH associate director and Co-director of the training program, Dr. Bhakti Hansoti. The goal of the proposed training program is to provide a solid foundation for independent research in international settings, and to cultivate the essential knowledge and skills to lead international research programs by building meaningful collaborations that respond to pressing global health challenges.

CDC GHSA (CDC-RFA-GH20-2110)
This grant was awarded ($12.5 million per year for five years) to JHPIEGO and CGH is a key partner on this project. CGH director, Dr. Thomas Quinn, will lead a technical advisory group soliciting experts from across the institution. Dr. Bhakti Hansoti, associate director of CGH, is the principal investigator for this project. We see this large grant as an opportunity to build the Center for Global Health as a resource center to connect entities like JHPIEGO, with experts across the institutions and forge new collaborations. (awarded $12.5 million per year for five years)

USAID SBC Research Technical and Cost Applications (APS # 7200AA21APS00008)
CGH convened Hopkins experts who were interested to participate in this project and the grant was led by CCP in collaboration with colleagues from the Social and Behavioral Interventions Program. This grant will strengthen the generation and utilization of social and behavior change (SBC) evidence to improve the uptake and continuation of healthy behaviors.

CDC Shoulder to Shoulder- Global Health Security for Central America
This grant, if funded, will provide opportunities to work closely with the CDC regional office in Central America, local and national public health programs, and other partners to strengthen key systems needed to enhance global health security and improve compliance with the revised International Health Regulations (IHR)2005. Carlos Castillo-Salgado, PhD, is the PI.
Supporting women’s leadership development in global health through virtual events and near-peer networking


Upcoming Supplement in Annals of Global Health

Working with members of the Women in Global Health Slack Network, we are in the process of writing a supplement including a cohesive series of manuscripts that focuses on the development of women’s leadership in the field of global health, from a peer and near-peer perspective.
Our team applied and was accepted to host a Consortium of Universities for Global Health CUGH 2021 Virtual Satellite Session on Women Leaders in Global Health: Exploring Non-Academic Careers and Strengthening Networks. The goal of this session was to build a catalytic experience for students and junior professionals to explore paths to leadership and non-academic careers in global health and to build participants' networks.

The objectives of the session were:
1) To expose students and junior professionals to women leaders working with different types of organizations in the field of global health.
2) To provide meaningful networking opportunities with speakers and peers across disciplines, institutions, and countries.

The session occurred on March 10, 2021 from 9am-12pm EST and included a panel address by 4 women leaders in global health. We also held a working group session to discuss solutions to overcome barriers to women's leadership in the field.

224 CUGH attendees participated in our virtual satellite session.
Next year, CGH looks forward to

- Strengthening the Women in Global Health program
- Improving networking opportunities for students and partners
- Convening JHU teams to compete for grants
- Growing our virtual applied learning opportunities and establishing a formalized twinning approach with students at our partner sites
CLOSING REMARKS

2021 brought a unique set of challenges and opportunities for all of us at the Johns Hopkins Center for Global Health. This report highlights our commitment to responding to a changing global landscape that demands a renewed refocus on partnerships and the communities we aim to serve. I look forward to continuing to build on both our new and established activities as we seek to advance discovery, approach global problems collaboratively, and enrich global learning experiences.

Anna Kalbarczyk, DrPH, MPH
Assistant Director, Johns Hopkins Center for Global Health
Thank you!

The Johns Hopkins Center for Global Health would like to thank the many faculty, students, and staff across the University who engage with us each year and make our programs possible. We could not have conducted our work this year without support from the the JHU Provost's Office, the Department of International Health, and the Johns Hopkins Bloomberg School of Public Health. Thank you for your support. Finally we offer a special thanks also to our many international partners who continued to engage with us during a challenging year.

If you would like to support the Center for Global Health, gifts can be made here.