

EDUCATION

Duke University

M.Sc. Global Health 2015

Rice University

B.S. Bioengineering 2012

Minor Global Health
Technologies 2012

SUMMARY

Project manager, researcher, and analyst with a background in field epidemiology, laboratory capacity building, and humanitarian response. Subject-matter expertise in infectious disease surveillance in fragile states and extremely low-resource contexts, with long-term residential experience in the Sahel and Horn of Africa. Operational experience with assessment and framework design, mixed-methods research, technology introduction, cross-organizational coordination, and liaising between technical and non-technical parties. Prior experience managing partnerships with Ministries of Health, US federal agencies (CDC, DOD, USAID), private foundations, and UN agencies.

EXPERIENCE

U.S. Agency for International Development

Program and Management Analyst

May 2022 to Current
Washington, DC (remote)

- Embassy Science Fellow to Pakistan, focusing on training programs for emerging infectious disease surveillance following emergency flooding
- Serves as the primary specialist on cross-cutting issues for South and Central Asia, with a focus on health systems strengthening and Indo-Pacific Issues.

Georgetown University - Center for Global Health Science & Security

Senior Research Associate

Feb. 2020 to Apr. 2022
Washington, DC (remote)

- Policy and epidemiology research in global health security. Projects included development of outbreak response training modules; a multi-country health needs assessment in the Southern Pacific; assessment of a multiplex assay for febrile illness in Guinea; and quality assessment of historical laboratory training programs.
- Project management and intermediate analysis of COVID-19 response policies, used for both academic research and for provision of external subject-matter support to foreign governments and U.S. state and tribal governments

GSS Health

Field Technical Specialist - Consultant, Next-Generation Sequencing

May 2019 to Oct. 2019
Port Harcourt, NG // Madang, PNG

- Assessed the appropriateness of next-generation genetic sequencing technology for field outbreak settings
- Evaluated technology acceptance among local laboratory teams, health systems, and communities
- Trained partner lab teams in Nigeria and Papua New Guinea and produced two comprehensive field reports for a U.S. government funder

REACH Initiative

Assessment Officer

Feb. 2019 to May 2019

Maiduguri, Nigeria

- Synthesized information on conflict dynamics, humanitarian needs, and disease incidence in Northeast Nigeria to inform operational planning and humanitarian access negotiations in the ongoing conflict with Boko Haram
- Managed research design, data collection, analysis, and report production for seven remote field sites
- Served as the organization liaison to UN Health and Food Security Sectors

Naval Medical Research Unit 3 // KBRwyle

Research Program Manager

May 2018 to Aug. 2018
Camp Lemonnier, Djibouti

- Managed an infectious disease research lab, including projects on disease prevalence, seasonality, and antibiotic resistance in support of U.S. service members and local populations across Djibouti, Somalia, Kenya, and Ethiopia
- Coordinated surveillance data across allied military bases for regional outbreaks, and correlated findings with cross-border migration and regional unrest

Pratt Pouch Consulting

Technical Consultant - Antiretroviral Therapy Packaging

Oct. 2017 to May 2018
Kampala, Uganda // Durham, NC

- The Pratt Pouch is a packaging method that extends the lifespan and reach of HIV medication to reduce mother-to-child transmission during home births.
- Transferred pharmaceutical production to Kampala, Uganda and developed a distribution framework to target medication to families most at risk. This included coordinating with NGOs and the Ugandan Ministry of Health, validating supply chains, and training local technicians.

The Carter Center

Technical Advisor & National Data Manager, Guinea Worm Eradication

Apr. 2016 to May 2017

N'Djamena, Chad

- Synthesized and validated nationwide disease surveillance data, conducted outbreak investigations, managed research projects, and identified emergent trends to inform strategic and operational planning for Chad's Guinea Worm Eradication Program
- Developed and oversaw country-level monitoring and evaluation frameworks for new health interventions
- Provided monthly reports and analysis to the Government of Chad, World Health Organization, and Gates Foundation

Graduate Thesis: Reminders, Refugees, and Ramadan

Visiting Researcher, UN Relief and Works Agency

Aug. 2013 to May 2015

- Identified risk factors for missed immunization among refugees receiving healthcare from the United Nations in Amman, Jordan and created a multivariable model to proactively identify patients at high risk of delayed vaccination
- Arranged research partnership with UNRWA, designed study, interviewed patients, and conducted analysis

SKILLS

International Work Experience: Chad, Nigeria, Djibouti, Jordan, Palestinian Territories, Uganda, Sri Lanka, Pakistan, Papua New Guinea, Malawi, Lesotho

Languages: French (prior working language), Arabic (MSA, Levantine - conversational)

Software: R (Applied Epi course), Airtable, Tableau, NVivo, Open Data Kit, Stata, Advanced MS Excel

Laboratory: Next-generation sequencing, PCR, cold chain management, antimicrobial susceptibility testing, bacterial and viral culture, rapid diagnostic tests, clinical sample management

DISSEMINATION

Publications

- Fifteen Days in December: Capture and Analysis of Omicron-Related Travel Restrictions. Jordan Schermerhorn, Alaina Case, Rebecca Katz, et al. *BMJ Global Health*, 2022.
- Reaching the "Last Mile": Fresh Approaches Needed for Guinea Worm Eradication. Claire Standley and Jordan Schermerhorn. *The American Journal of Tropical Medicine and Hygiene*, 2021.
- A One Health Approach for Guinea Worm Disease Control: Scope and Opportunities. Matt Boyce, Ellen Carlin, Jordan Schermerhorn, and Claire Standley. *Tropical Medicine and Infectious Disease*, 2020.
- Humanitarian Needs and Displacement Dynamics in Hard-to-Reach Areas of Borno State. REACH Initiative, May 2019.
- Reminders, Refugees, and Ramadan: Characterizing Missed Immunization Appointments among Palestinian Refugees in Jordan. Report, WHO Regional Office for the Eastern Mediterranean, 2015.
- Defense & Intelligence Involvement in Humanitarian Aid. *Sanford Journal of Public Policy*, 2015.
- Overseas Labs: National Defense and Public Health. *Baker Institute Student Journal*, 2012.

Selected Presentations

- Course Simulation: Disease Outbreaks in Humanitarian Contexts. Georgetown University, STIA 394: Global Health Security and Diplomacy. November 2022 & June 2023.
- Constructing Narrative Case Studies in Field Epidemiology. TEPHINET Regional Scientific Conference of the Americas, October 2021.
- COVID-AMP: Analysis and Mapping of Policies. Truman National Security Project Member Conference, October 2020.
- Deployment, Training, and Sustainment of Next-Generation Sequencing in Low-Resource Settings: Case Studies from Nigeria and Papua New Guinea. GSS Health. Poster winner, Nanopore Community Meeting, December 2019.
- Proxy Measures for Disease Surveillance: A Case Study of Polio in Borno State, Nigeria. Johns Hopkins Center for Health Security Research Symposium, July 2019.
- Paper Trails: An Audit Mechanism for National Disease Surveillance Systems. Johns Hopkins Center for Health Security Research Symposium, July 2019.
- Monitoring of Hard-to-Reach Areas of NE Nigeria: Food Security Findings in JAS- vs ISWAP-Controlled Territory. Food Security Sector Meeting, Abuja Nigeria, April 2019.

AWARDS & AFFILIATIONS

Center for Strategic and International Studies - Africa Policy Accelerator

Selected for the 2021 cohort of a monthly forum to connect the next generation of U.S.-Africa policymakers

Truman National Security Project - Defense Council, Texas Chapter

Member of a fellowship program for mid-career professionals working in national security across the spectrum of diplomacy, defense, development, and democracy promotion.

Emerging Leaders in Biosecurity Initiative

2018 member of a competitive, part-time fellowship managed by the Johns Hopkins Center for Health Security, which connects interdisciplinary professionals in the broad biosecurity space

Rice 360° Young Alumni Leadership Award

Awarded by the Global Health Technologies department at Rice University

White House Outstanding Intern

Selected from the Summer 2015 cohort

Service to the Community

- Application reader, Mandela Washington Fellowship for Young African Leaders, 2021-2022
- Consultant, COVID-19 infection prevention and control, Navajo Nation Gaming Association, 2021 - 2022
- Reviewer, *American Journal of Tropical Medicine and Hygiene*, 2021-2022
- Reviewer, *Health Security*, 2020 - 2022