

JORDAN SCHERMERHORN

EDUCATION

Duke University
M.Sc. Global Health 2015
Epidemiology and research design

Rice University
B.S. Bioengineering 2012
Minor Global Health
Technologies 2012

SKILLS

SOFTWARE: STATA, NVivo, SPSS, ArcGIS, Tableau, VenSim

LANGUAGES:
French (Professional fluency),
Arabic (MSA & Levantine, conversational)

INTERNATIONAL WORK

EXPERIENCE: Chad, Jordan,
Uganda, Djibouti,
Palestinian Territories, Malawi,
Lesotho

PUBLICATIONS

- Defense & Intelligence Involvement in Humanitarian Aid. *Sanford Journal of Public Policy*, 2015
- Overseas Labs: National Defense and Public Health. *Baker Institute Student Journal*, 2012
- Short Publications: Articles, data displays, or associated work featured in *The New York Times*, *The Atlantic*, and *Deadspin*; former associate editor, *Engineering for Change*.

AWARDS

**EMERGING LEADERS
IN BIOSECURITY
FELLOWSHIP** 2018

Johns Hopkins Center for Health Security

**RICE 360° YOUNG
ALUMNI LEADERSHIP
AWARD** May 2017

**WHITE HOUSE
OUTSTANDING
INTERN** Sep 2015

Selected from the Summer 2015 cohort.

**NEW YORK TIMES
REPORTING CONTEST** Jun 2012

- Interviewed local clinicians, farmers, and business owners in Malawi & Lesotho
- Wrote articles on healthcare innovations, agriculture, HIV/AIDS, and energy; scripted associated video

SUMMARY

Analyst and field researcher experienced in designing and evaluating interventions to improve public health in fragile states and conflict-afflicted settings, with a focus on emerging and re-emerging infectious diseases. Experienced in field epidemiology, monitoring and evaluation, mixed-methods research design, infectious disease modeling, systems analysis, and policy planning.

EXPERIENCE

KBR WYLE // NAVAL MEDICAL RESEARCH UNIT 3
Biomedical Research Associate

Camp Lemonnier, Djibouti
Mar 2018 to Current

- Research on infectious disease prevalence, seasonality, and antibiotic resistance in support of deployed U.S. service members and local populations in the Horn of Africa

PRATT POUCH CONSULTING

Technical Consultant - Elizabeth Glasser Pediatric AIDS Foundation

Kampala, Uganda
Oct 2017 to Feb 2018

- The [Pratt Pouch](#) is a novel packaging method that extends the lifespan of HIV medication to reduce mother-to-child HIV transmission during home births.
- Transferred production of pharmaceutical packets to Kampala, Uganda. This included process engineering, troubleshooting, equipment installation, and training operators to strengthen local epidemic response capacity.

THE CARTER CENTER

Technical Advisor/Data Manager, Guinea Worm Eradication

N'Djamena, Chad
Apr 2016 to May 2017

- Synthesized nationwide disease surveillance data, identified emergent trends, conducted epidemiological investigations, and drew conclusions from incomplete data to inform operational planning in support of Chad's Guinea Worm Eradication Program
- Combined case investigations with data analysis to create a predictive model for disease transmission, capturing 83% of new infections
- Supervised two national data managers and coordinated epidemiological reports from 14 field officers throughout the country
- Managed operational research data on behavioral and biomedical interventions, including development of monitoring and evaluation plans for new interventions
- Conducted exploratory research and technical trainings in rural Chad
- Provided monthly data reports and analysis to the Government of Chad, WHO, and Gates Foundation regarding the efficacy of surveillance activities in over 2,000 villages, OneHealth containment, and strategic recommendations for national elimination

THE WHITE HOUSE

Policy Intern

Washington, DC
May 2015 to Sep 2015

- Contributed research and editing to the U.S. [National HIV/AIDS Strategy Update](#)
- Conducted literature reviews on epidemiological hotspot modeling and economic benefits of pre-exposure prophylaxis
- Drafted presentations, memos, and fact sheets for ONAP senior staff
- President of the foreign affairs group: designed and coordinated a lecture series with 11 senior-level National Security Council staffers, and supported NSC biosecurity and counterterrorism teams

UN RELIEF & WORKS AGENCY

Dunia Health Cofounder & Field Researcher

Amman, Jordan
Oct 2012 to May 2015

- Designed and implemented a text message reminder system to improve vaccine supply chain management in response to stock-outs in refugee camps, relative to no prior existing mobile health initiatives
- Organized partnership with the United Nations; conducted testing, patient surveys, and clinic evaluations
- Collected and analyzed 15 months of data; managed appointment reminders for over 2,000 patients

DEVELOPMENT INNOVATION VENTURES, USAID

Intern

Washington, DC
Aug 2013 to May 2014

- Selected investments, evaluated outcomes, and developed communications strategies for novel development projects in governance, health, energy, and sanitation

PROJECTS

GRADUATE THESIS: REMINDERS, REFUGEES, AND RAMADAN

Aug 2013 to May 2015

- Tracked a cohort of 100 infants for six months to identify risk factors for delayed or missed immunization among refugees receiving healthcare from the United Nations in Amman, Jordan
- Arranged research partnership with the UN, designed study, developed IRB protocol, and conducted epidemiological analysis
- Devised and implemented policy recommendations to boost vaccination and created a predictive model to identify high-risk patients

EMERGENCY FLOOR: RESEARCH & GRANTS CONSULTANT

Oct 2015 to Apr 2016

- Devised evaluation protocol for improved flooring in refugee housing units in Beqaa Valley, Lebanon and Azraq, Jordan
- Modeled potential infections averted and cost savings from case reductions in enteric disease and leishmaniasis.

NEONATAL APNEA MONITOR

Aug 2011 to May 2012

- Collaborated with a team to design, build, and test a medical device to detect respiratory distress in premature infants, stimulate proper breathing, and alert nurses
- Worked with Doctors Without Borders to assess needs at Queen Elizabeth Hospital in Blantyre, Malawi
- Device placed in three national design competitions, was patented, and receive a Saving Lives at Birth grant from USAID