
Skills

- **Statistical Programs:** SAS, R, Stata, SPSS, Excel
- **Laboratory Skills:** qPCR, ddPCR, RNA extraction, wastewater surveillance testing methods, general microbiology
- **Foreign Language:** Full professional fluency at speaking, writing, and reading in French and Spanish

Education

University of North Carolina, Chapel Hill Gillings School of Global Public Health **Aug. 2019-Present**
PhD Student in Environmental Sciences & Engineering, Minor in Epidemiology

Saint Louis University College for Public Health & Social Justice, St. Louis, MO **May 2016**
Master of Public Health in Epidemiology and Global Health

University of Missouri-St. Louis, St. Louis, MO **Dec. 2012**
Bachelor of Science in Biology, Summa Cum Laude

Washington University in St. Louis, St. Louis, MO **May 2007**
Bachelor of Arts in International and Area Studies, French, and Spanish

Public Health Work Experience

Gillings School of Global Public Health **Aug.-Nov. 2020**

Teacher's Assistant for SPHG 713: Understanding Public Health Issues

- Organized and led two recitation sections of 28 total students
- Graded and provided feedback on weekly assignments, individual paper, and semester-long group White paper

CDC Division of Global HIV & TB, Atlanta, GA **Sept. 2016-Aug. 2019**

Epidemiology & Surveillance Branch, General Population Surveillance Team

ASPPH/PHI-CDC Global Epidemiology & Surveillance Fellow

- Developed, reviewed and implemented protocols on Population-based HIV Impact Assessment (PHIA) surveys
- Developed, adapted, and implemented in-country trainings for surveys and other activities in French and in English
- Collaborated with CDC country office and host country government organizations such as Ministry of Health, National Statistics Office, and the National Reference Laboratory
- Supported supervision and monitoring of survey activities including field practice, data collection, and laboratory practices
- Co-facilitated in-country Data Analysis Workshops of Cameroon and Cote d'Ivoire PHIA data, in English and French
- Co-facilitated in-country Final Report Writing Workshop for Cameroon PHIA Survey, in English and in French
- Analyzed PHIA survey data and HIV indicators across more than 11 countries for UNAIDS, OGAC, CDC country offices, COP program planning, and Spectrum modeling
- Revised PHIA Questionnaire Guidelines for future PHIA surveys
- Supported development and management of survey databases

Dr. Jen Jen Chang, Associate Professor of Epidemiology, Saint Louis University **Sept. 2015-May 2016**

Manuscript Editor

- Proofread and edited professor's manuscripts prior to her submitting for publication

Saint Louis University Department of Epidemiology **Aug.-Dec. 2015**

Teacher's Assistant for Introductory Epidemiology Course

- Assisted professor in teaching basic epidemiology principles
- Graded and provided feedback on homework assignments and exams for 27 students

IMA World Health, Kinshasa and Kananga, Democratic Republic of the Congo (DRC) **May-Aug. 2015**

Water, Sanitation, and Hygiene (WASH) Intern

- Collected and tested water samples for contamination from sources in 5 health zones; disseminated results of water tests to health zones
- Taught water purification, water filtration, and hygienic practices to community members in a rural village setting; translated significance of results of water testing
- Led training sessions on how to assemble and safely use LifeStraw water filters for community members in a rural village setting

- Trained Congolese WASH specialists on how to use laboratory equipment to collect and test water samples for contamination
- Collaborated with NGOs and health zone officials to strategize filter distribution and improvements to water practices

Academic and Research Experience

Dr. Elizabeth Frankenberg, Director, Carolina Population Center **Sep. 2020-Present**

Research Assistant for DEEPP Survey Project, Carolina Population Center

- Assisting with development of survey materials, training, and rollout of data collection
- Managing data entry process including hiring and training of data enterers

Dr. Jill Stewart, Professor, Department of Environmental Sciences and Engineering, UNC-Chapel Hill **Aug. 2019-Present**

Research Assistant in Environmental Health Microbiology Lab

- Carry out wastewater-based surveillance testing for SARS-CoV-2
- Monitoring microbial quality of surface water following extreme weather events

Professor Dr. Fernando Serrano and Dr. Roger Lewis, Saint Louis University **Dec. 2015-May 2016**

Independent Research on Extractive Industries in La Oroya, Peru

- Conducted literature review on parameters for biological, physical, and metal contamination of water
- Performed risk assessment and determined environmental health implications
- Developed program and policy recommendations to improve health outcomes
- Wrote manuscript to disseminate findings to Peruvian government

Global Health Assessment and Evaluation, Dr. Anne Sebert-Kuhlmann, Saint Louis University **Aug.-Dec. 2015**

Assessment Plan Developer for Hospital Sisters Mission Outreach (HSMO)

- Devised a medical waste management assessment plan for HSMO to use when distributing medical supplies to NGOs in developing countries
- Constructed a logic model, stakeholder analysis, and data collection instrument

Dr. Elizabeth Kellogg, Professor of Botanical Studies, University of Missouri-St. Louis **Jan. 2011-Dec. 2012**

Research Assistant in Laboratory of Plant Systematics and Developmental Genetics

- Performed PCR, gel electrophoresis, DNA purifications, DNA sequencing
- Maintained detailed lab notes and diligent organization of approximately one hundred samples
- Measured and analyzed plant morphology

Bibliography

Refereed Papers/Articles - Published

- **Kothegal, N.**, Wang, A., Jonnalagadda, S., MacNeil, A., Radin, E., Brown, K., ... & Voetsch, A. C. (2021). Screening for HIV Among Patients at Tuberculosis Clinics—Results from Population-Based HIV Impact Assessment Surveys, Malawi, Zambia, and Zimbabwe, 2015–2016. *Morbidity and Mortality Weekly Report*, 70(10), 342.
- Glaubius, R., **Kothegal, N.**, Birhanu, S., Jonnalagadda, S., Mahiane, S. G., Johnson, L. F., ... & Eaton, J. W. (2021). Disease progression and mortality with untreated HIV infection: Evidence synthesis of HIV seroconverter cohorts, antiretroviral treatment clinical cohorts and population-based survey data. *Journal of the International AIDS Society*, 24, e25784.

Conference Abstracts, Papers, Presentations, and Posters

- Iwo R, **Kothegal N**, Gardner A, Dollar N, Stoutamire B, Frankenberg E. DEEPP Household Survey: Piloting an in-person survey in remote post-disaster areas during the COVID-19 pandemic. Paper presentation in session on Methodological Challenges and Opportunities Presented by the COVID-19 Pandemic at 117th Annual Meeting of the American Sociological Association; 2022 August 5-9; Los Angeles, California.
- **Kothegal N**, Iwo R, Gardner A, Dollar N, Stoutamire B, Frankenberg E. The DEEPP Survey: Challenges in Piloting an In-Person Longitudinal Household Survey in Remote Post-Disaster Areas. Flash presentation in session on Data Collection in Difficult Times: COVID-19 and Other Challenges at Population Association of America 2022 Annual Meeting; 2022 April 6-9; Atlanta, Georgia.
- Dollar N, Gardner, A, Iwo R, **Kothegal N**, Stoutamire B, Frankenberg E. Exposure to Extreme Weather Events and Migration Intentions. Poster presented at Population Association of America 2022 Annual Meeting; 2022 April 6-9; Atlanta, Georgia.
- Frankenberg E, BenDor T, Berke P, Davis C, Dollar N, Gardner A, Hino M, **Kothegal N**, Iwo R, Luettich R, Pavelsky T, Frizzelle B, Piehler M, Schwaller N, Ratcliff J, Smiley A, Sebastian A, Song C, Wang C, Mouw T. The Dynamics of Extreme Events, People and Places: A Convergent Approach to Understanding Flooding Exposures and Impacts. In AGU Fall Meeting Abstracts 2021 Dec (Vol. 2021, pp. NH15D-0476); 2021 December 13-17; New Orleans, Louisiana.

- Toledo C, Karampreet S, Hines JZ, Parekh B, **Kothegal N**, Williams D, Bronson M, Pals S, Aupokolo MA, Awor A, Chituwo O, Exnobot J, Kirungi W, Lija GJJ, Manda R, Mandisarisa J, Mnisi Z, Msungama W, Simbeye D, Tarumbiswa T, Thomas A, Xaba S, Zemburuka BLT, Davis SM. HIV Incidence by age in sub-Saharan African men: Implications for medical male circumcision. Poster presented at 20th International Conference on AIDS and STIs in Africa; 2019 December 2-7; Kigali, Rwanda.
- Watts DH, Cooney C, Cavanaugh JS, **Kothegal N**, Patel H, Kiggundu V, Thomas AG, Parks N, Toledo C. HIV Positivity by Age among VMMC Clients in 14 Countries and Comparison to PHIA Results. Poster presented at 22nd International AIDS Conference; 2018 July 23-27; Amsterdam, Netherlands.

Awards

- Delta Gamma Public Health Honor Society (honorary lifetime induction) **May 2016-Present**