Grace S. Liu | Curriculum Vitae

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Education

COLUMBIA UNIVERSITY MAILMAN SCHOOL OF PUBLIC HEALTH, New York, NY   *May 2019*
Master of Public Health, Epidemiology
  •   Certificate: Advanced Epidemiology

UNIVERSITY OF CALIFORNIA, BERKELEY, Berkeley, CA   May 2014
Bachelor of Arts, Public Health
  •   Emphasis: Health Policy and Management
  •   Minors: Education; Applied Language Studies

Public Health Experience

CITY UNIVERSITY OF NEW YORK, INSTITUTE FOR IMPLEMENTATION SCIENCE IN POPULATION HEALTH, New York, NY   Nov 2017 – *present*
Research Assistant, International Epidemiologic Databases to Evaluate AIDS (IeDEA)

  •   Analyze clinical, laboratory, and epidemiologic data for the IeDEA Central Africa network (Burundi, Cameroon, Democratic Republic of the Congo, Republic of the Congo, and Rwanda)
  •   Developed and manage data dictionaries for large-scale longitudinal data collection at sites providing care and treatment to HIV-infected adults and children
  •   Assist in the development of research priorities for global implementation of WHO Treat All guidelines and writing of a consensus statement for dissemination
  •   Contribute to and prepare manuscripts using IeDEA data for publication

NEW YORK STATE PSYCHIATRIC INSTITUTE, New York, NY   Jan 2018 – *present*
Graduate Student Researcher, HIV Center for Clinical and Behavioral Studies

  •   Conduct qualitative coding and analysis of interviews on sexual behaviors and attitudes administered to gay and bisexual men living in New York City
  •   Lead analysis and writing of a manuscript on how men who have sex with men negotiate HIV risk behavior during a time of pre-exposure prophylaxis, with mentorship from Dr. Theo Sandfort

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, San Francisco, CA   Oct 2015 – Aug 2017
Technical Research Analyst, Global Strategic Information, Department of Global Health Sciences

  •   Analyzed key population data to develop and analyze HIV prevention, care, and treatment cascades to identify gaps, set national and local targets, and ensure targeted scale-up of core interventions
  •   Developed indicators, reporting forms, site selection criteria, and study design for a nested randomized control trial looking at impact of group antenatal and postnatal care on preterm births
  •   Collaborated with Ministries of Health and partners to develop and implement monitoring and evaluation (M&E) plans and tools; leveraged routinely-collected individual- and facility-level data to monitor program- and country-specific indicators
  •   Lead in-country facility assessments, trainings, and tool roll-outs as part of baseline data collection processes informing study design and routine M&E of various Gates- and PEPFAR-funded projects
  •   Created and rolled-out the CDC Data Quality Improvement (DQI) Action Pack to guide CDC country offices in standardizing evidence-based DQI practices among partners and agency
  •   Designed and executed capacity-building training packages around M&E, data use, data quality, and reporting activities for use in practical training workshops for various target audiences

UNIVERSITY OF CALIFORNIA, SAN FRANCISCO, San Francisco, CA   Dec 2014 – Oct 2015
Project Analyst, Preterm Birth Initiative, Department of OB/GYN & Reproductive Science
- Developed project aims, roadmaps, and protocols for the Gates Foundation-funded Preterm Birth Initiative, aimed at reducing the burden of preterm birth in California and East Africa
- Coordinated with internal and external contacts including university-wide faculty; consultants; and non-profit, political, scientific, and community leaders to organize and support clinical and technical meetings, public health events, seminars and conferences, and other related activities
- Produced and analyzed abstracts, grant proposals, protocols, literature reviews, and manuscripts

Healthcare Administration Experience

WASHINGTON HOSPITAL HEALTHCARE SYSTEM, Fremont, CA   Jun 2011 – Dec 2014
Business Assistant, Informatics, Department of Quality and Resource Management
- Developed and implemented an electronic Professional Practice Evaluation process for physician peer review; conducted trainings for physicians and staff to guide transition to the new process
- Served as informatics lead on the hospital-wide Epic Go-Live project, particularly in the interfacing from Epic electronic health records system to the Midas+ reporting system
- Fostered comprehensive knowledge of the workflow and system administration of Midas+ Care Management, Patient Analysis & Tracking System (PATS), and Epic electronic health records
- Supported clinical quality improvement by developing a CDC-compliant hospital-wide protocol and manual for managing patients with the Ebola virus disease

AIDS PROJECT OF THE EAST BAY, Oakland, CA   Feb 2014 – May 2014
Student Intern, Administrative Department & APEB Wellness Center
- Coordinated client data and services for a community-based, nonprofit organization specializing in delivering services to low-income populations dealing with HIV and/or AIDS
- Managed documentation of donations and fundraising through Fund E-Z Nonprofit Software
- Conducted Medi-Cal eligibility confirmations, compiled Medi-Cal and Ryan White reimbursement requests, and established a database of clinics and physicians for client referrals

WASHINGTON HOSPITAL HEALTHCARE SYSTEM, Fremont, CA   May 2011 – Jun 2011
Unit Clerk, Inpatient & Outpatient Wards
- Coordinated service requests from patients by directing needs to appropriate hospital personnel
- Updated electronic medical records with patient care services provided by nurses and physicians
- Managed physician orders for medications and lab tests via Horizon Order Management system
- Expanded knowledge of medical procedures and terminology in an acute healthcare setting

Education Experience

COLUMBIA UNIVERSITY MAILMAN SCHOOL OF PUBLIC HEALTH, New York, NY   Aug 2018 – *present*
Graduate Teaching Assistant, Master of Public Health Program
PUBH 6051 Public Health Interventions
- Assist student understanding of theories and practice of designing, implementing, and evaluating health interventions
- Support faculty leads in grading, proctoring exams, and responding to student inquiries

Certifications

CITI (Collaborative Institutional Training Initiative) Certified   Valid 2015 – 2018
- Human Subjects Protection Training (including minors and FDA-regulated research)
- Social & Behavioral Researchers & Key Personnel Basic Training *(Valid until 2020)*
- Supplemental modules around international studies, gender and sexuality diversity, research with pregnant women, records-based research, and research with vulnerable subjects

Health Insurance Portability and Accountability Act (HIPPA) Certification   Valid 2017 –

Technical Skills

- *Computer:* Microsoft Word, Excel, PowerPoint, Visio, Publisher; EndNote
- *Data software:* SAS; Stata; dedoose; Qualtrics; Epi Info; ODK; REDCap; Vensim; Census and Survey Processing System (CS Pro); Midas+ Care Management; Epic Electronic Health Records; Patient Analysis & Tracking System (PATS); AIDS Regional Information and Evaluation System (ARIES); R programming (in progress); Tableau (in progress)
- *Research:* IRB proficiency; literature review expertise; protocol and grant writing aptitude; quantitative data analysis; qualitative coding and analysis; logic model development adeptness

Publications

Lane T, Grasso M, Scheibe A, **Liu G**, Marr A, Murangandi P, et al. (2018). Building Key Populations HIV Cascades in Data-Scarce Environments: Towards a participatory stakeholder methodology for cascades construction, adoption, and utilization. *PLoS One,* accepted.

Other Information

- *Languages:* English (native); Mandarin Chinese (native speaker, proficient in reading and writing)
- *Student organizations:* Women 4 Women (Columbia University)