Yuehan Zhang

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PROFILE

Master of Science in Epidemiology with experience in analyzing a broad range of public health topics. Reliable researcher skilled at programming and statistical analysis in STATA and SAS.

EDUCATION

Master of Science in Epidemiology   **May 2015**

Johns Hopkins Bloomberg School of Public Health (JHSPH), Baltimore, MD (Grade: 4.0/4.0)   Advisor: Dr. Elizabeth Golub

Concentration: General Epidemiology and Methodology

Certificate: Pharmacoepidemiology and Drug Safety

Bachelor of Science in Biotechnology   **July 2013**

Shanghai Jiao Tong University, Shanghai, China (Grade: 3.8/4.0)

HONORS AND AWARDS

The Delta Omega Public Health Honor Society, Alpha Chapter   **May 2015**

AAAS/Science Program for Excellence in Science, American Association for the Advancement of Science   **May 2015**

Dorothy and Arthur Samet Student Support Fund in Epidemiology, JHSPH   **May 2015**

Master's Tuition Scholarship, JHSPH   **Sept. 2014**

WORK EXPERIENCE

Research Data Analyst   **June 2015-Present**

Department of Epidemiology, JHSPH   Supervisor: Dr. Gypsyamber D'Souza

Lead data analyst for three epidemiologic studies. Responsible for data integrity, variable programming and database construction, development of analytic plans, data analysis, and manuscript drafting.

- Lead epidemiologic and statistical analyses, including survival analysis, longitudinal analysis, and multivariate analysis
- Provide data management support, develop and implement quality control plans
- Lead author for 3 papers, responsible for literature review and writing of manuscript for peer review
- Developed a STATA program to organize complex multi-infection multi-visit data
- Coordinate data logistics across four study sites with over 400 participants nationwide, and manage study database
- Assist in developing informed consent form and reports including NIDCR Medical Monitor Oversight Report and Quality Management Summary Report
- Program and design online surveys in Research Electronic Data Capture (REDCap) to collect data
- Collaborate with data mangers, study coordinators and laboratory investigators and assist in STATA programming

Research Assistant   **June 2014-May 2015**

Department of Epidemiology, JHSPH   Supervisor: Dr. Gypsyamber D'Souza

- Conducted survival analysis to investigate the natural history of oral HPV infection among a cohort of young adults
- Performed cross-sectional analysis to assess patient experience and knowledge of oral HPV infection
- Generated and maintained tracking logs for participant follow-up status, vital status, sample collection at follow-up visits
- Performed literature review and developed a research-in-progress presentation on disparities in HPV infection

Research Assistant   **July-Nov. 2014**

Women's Interagency HIV Study Data Management and Analysis Center (WDMAC)   Supervisor: Dr. Elizabeth Golub

- Assessed exchangeability in a large multicenter cohort study by reviewing eligibility criteria over four enrollment waves
- Estimated HIV incidence rate over entire WIHS study period and summarized participants characteristics at enrollment

- Conducted exploratory longitudinal data analysis, identified and interpreted trajectories of risk behaviors between HIV-infected and uninfected participants over 20 years of follow-up
- Proposed specific research aims, hypotheses and data analysis plans for a written concept sheet proposal

Teaching Assistant   **June-July 2014**

Principles of Epidemiology (340.601.11)   Instructor: Dr. Lechaim Naggan

Graduate Summer Institute of Epidemiology and Biostatistics, JHSPH

- Led discussions on selected public health topics (50 students) and held daily office hours to answer student questions
- Member of instructor and teaching assistant team meeting weekly to coordinate teaching

PUBLICATIONS

D'Souza G, Wentz A, Kluz N, **Zhang Y**, Sugar E, Youngfellow RM, Guo Y, Xiao W, Gillison ML (2016). Gender Differences in Risk Factors and Natural History of Oral Human Papillomavirus (HPV) Infection. (Under Review)

Zhang Y, Waterboer T, Pawlita M, Sugar E, Minkoff H, Cranston RD, Wiley D, Burk R, Reddy S, Margolick J, Strickler H, Weber K, Gillison M, D'Souza G (2016). HPV16 E6 Seropositivity Elevated in Subjects with Oral HPV16 Infection. (Under Review)

Zhang Y, Wilson TE, Adedimeji A, Merenstein D, Milam J, Cohen J, Cohen M, Golub ET (2016). The Impact of Substance Use on Adherence to Antiretroviral Therapy among HIV-infected Women in the United States. (Under Review)

Zhang Y, Wentz A, Jacobson L, Weber K, Strickler H, Wiley D, Reddy S, Minkoff H, Burke R, Flowers L, Margolick J, Cranston R, Sugar E, Kluz N, Youngfellow R, Gillison M, D'Souza G (2016). Differences in Oral Human Papillomavirus Prevalence by Age and Gender. (In Preparation)

PRESENTATIONS

Zhang Y, Waterboer T, Pawlita M, Burk R, Wiley D, Minkoff H, Reddy S, Jacobson L, Margolick J, Cranston R, Strickler H, Sugar E, Weber K, Gillison M, D'Souza G: HPV16 E6 Seropositivity Elevated in Subjects with Oral HPV16 Infection. *Poster at the 15th International Conference on Malignancies in AIDS and Other Acquired Immunodeficiencies. Oct. 2015.*

Zhang Y, Wilson TE, Adedimeji A, Merenstein D, Milam J, Cohen J, Cohen M, Golub ET: The Impact of Illicit Drug Use on Antiretroviral Therapy (ART) Adherence among HIV-Infected Women in the United States. *Oral presentation at the 48th Annual Meeting of the Society for Epidemiologic Research. June 2015.*

CERTIFICATE

SAS Certified Base Programmer for SAS 9 (License BP056760v9)   **Feb 2016-Present**

SELECTED COURSES

Epidemiology Methods, Statistical Methods, Analysis of Longitudinal Data, Multilevel Statistical Models, SAS Statistical Package, STATA Programming, Survival Analysis, Causal Inference in Medicine and Public Health, Public Health Surveillance

PROFESSIONAL DEVELOPMENT

Computer Skills: STATA, SAS, R, Origin, Microsoft Office Suite, Microsoft Office Access

Membership: Delta Omega Public Health Honor Society (2015-present), American Association for the Advancement of Science (2015-2017), Society for Epidemiologic Research (2015-2016), Chinese Public Health Forum (2014-present)

Languages: English and Mandarin