

Yuehan Zhang

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PROFILE

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

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

Statistical Analyst June 2016-Present

Division of General Internal Medicine Supervisor: Dr. Daniel Polsky

Lead analyst working with health policy researchers to address questions about health insurance and access to healthcare

- Perform data management-related programming, including data cleaning and data manipulation
- Conduct qualitative and quantitative data analyses, generate descriptive and analytical reports
- Implement macros and advanced techniques to merge datasets and create analytical files from complex data sources
- Collaborate with multiple investigators to design and conduct analysis, and prepare manuscript for publication

Research Data Analyst June 2015-June 2016

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

- Led epidemiologic and statistical analyses, including survival analysis, longitudinal analysis, and multivariate regression
- First author for 2 papers, responsible for literature review, data analysis, and writing of manuscript for peer review
- Developed an advanced STATA program to organize complex multi-infection multi-visit data
- Coordinated data logistics across four study sites with over 400 participants nationwide, and manage study database

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 (WIHS) 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

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- 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

Polsky D, **Zhang Y**, Yasaitis LC, Weiner J. Trends in Physician Networks in the Marketplace in 2016.

Zhang Y, Waterboer T, Haddad RI, Miles BA, Wentz A, Gross ND, Fakhry C, Quong H, Lorch J, Gourin CG, Clayburgh D, Misiukiewicz KJ, Richmon JD, Andersen PE, Posner MR, D'Souza G. Human Papillomavirus (HPV) 16 Antibodies At Diagnosis of HPV-related Oropharyngeal Cancer and Antibody Trajectories After Treatment. *Oral Oncology*;Feb. 2017;doi:10.1016/j.oraloncology.2017.02.004

Fakhry C, Westra WH, Wang SJ, Zante A, **Zhang Y**, Rettig E, Yin LX, Ryan WR, Ha PK, Wentz A, Koch W, Richmon JD, Eisele DW, D'Souza G. The Prognostic Role of Sex, Race, and Human Papillomavirus in Oropharyngeal and Nonoropharyngeal Head and Neck Squamous Cell Cancer. *Cancer*;Feb. 2017;doi:10.1002/cncr.30353

D'Souza G, **Zhang Y**, Merritt S, Gold D, Robbins HA, Buckman V, Gerber J, Eisele DW, Ha P, Califano J, Fakhry C. Patient experience and anxiety during and after treatment for an HPV-related oropharyngeal cancer. *Oral Oncology*;Volume 60;Sept. 2016;Pages 90–95

D'Souza G, Wentz A, Kluz N, **Zhang Y**, Sugar E, Youngfellow RM, Guo Y, Xiao W, Gillison ML. Gender Differences in Risk Factors and Natural History of Oral Human Papillomavirus (HPV) Infection. *Journal of Infectious Diseases*;Feb. 10th 2016;doi:10.1093/infdis/jiw063

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. *Cancer Epidemiology*;Volume 43;Aug. 2016;Pages 30–34

CERTIFICATE

SAS Certified Base Programmer for SAS 9 (License BP056760v9)

Feb. 2016-Present

SAS Certified Advanced Programmer for SAS 9 (License AP016412v9)

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: SAS, SAS SQL, STATA, 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