

Yenan ZHU, Ph.D. Candidate

Department of Management, Policy, and Community Health
The University of Texas Health Science Center at Houston, School of Public Health
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EDUCATION

- 2018 – Present** **Ph.D. in Health Economics/Health Services Research (Minor: Biostatistics)**
The University of Texas Health Science Center at Houston (UTHealth), School of Public Health, Houston, TX
Dissertation: Urban-Rural Differences in the Utilization of Post-Stroke Rehabilitation and Long-Term Outcomes Among Stroke Survivors in the United States (Chair: Kalyani Sonawane, Ph.D.; in progress)
- 2016 – 2018** **M.S. in Health Behavior and Health Education**
The University of Texas at Austin, Austin, TX
Thesis: Exposure to Little Cigar/Cigarillo Marketing at the Point-of-Sale and Use of Little Cigar/Cigarillos and Cigarettes Among Young Adults (Chair: Keryn Pasch, Ph.D.)
- 2009 – 2013** **B.Econ in International Economics and Trade (Minor: Finance)**
Hunan University of Technology and Business, Changsha, China

EMPLOYMENTS

- Jan. 2019 – Present** **Teaching Assistant**
Department of Management, Policy, and Community Health
UTHealth School of Public Health, Houston, TX
- Nov. 2018 – Present** **Graduate Research Assistant**
Clinical Analytics and Decision Science Lab
Department of Management, Policy, and Community Health
UTHealth School of Public Health, Houston, TX
- Oct. 2017 – Feb. 2018** **Project Intern**
Center for Place-Based Initiatives, Department of Population Health
Dell Medical School, The University of Texas at Austin, Austin, TX
- Jul. 2015 – Jul. 2016** **Health Education Commissioner**
Department of Health Promotion
Shenzhen Health Education and Promotion Center, Shenzhen, China

Sep. 2014 – Jun. 2015 Director

Department of Product
Shenzhen Qianhai Huitian International Commercial Factoring Co., Ltd,
Guangzhou, China

Mar. 2014 – Sep.2014 Wealth Management Consultant

Convoy Global Holdings Ltd, Guangzhou Branch, Guangzhou, China

RESEARCH & TEACHING INTERESTS

- HPV-associated cancers and prevention (HPV vaccine and cancer screening)
- Post-acute care for patients with cardiovascular diseases
- Chronic disease management
- Mental health promotion for patients with chronic diseases and caregivers
- Health disparities and social determinants of health
- Healthcare insurance payment policy and reform
- Population-based large-scale data analysis
- Economic evaluation for healthcare services

HONORS & AWARDS

- Department of Management, Policy, and Community Health Scholarship, UTHealth School of Public Health, 2019-2021
- UTHealth School of Public Health Research Day 2019, Best Poster Award, UTHealth, 2019
- Outstanding New Student Scholarship, UTHealth School of Public Health, 2018
- Academic Excellence Award, Hunan University of Technology and Business, 2013
- Excellent Student Leadership Award, Hunan University of Technology and Business, 2011

PEER-REVIEWED PUBLICATIONS

- Suk R., Hong Y.R., Rajan S.S., Xie Z., **Zhu Y.**, and Spencer J.C. Assessment of US Preventive Services Taskforce-concordant cervical cancer screening rates and reasons for underscreening by age, race/ethnicity, sexual orientation, rurality, and insurance, 2005 to 2019. ***JAMA Network Open***. doi:10.1001/jamanetworkopen.2021.29913 [in press]
- Damgacioglu, H., Sonawane, K., **Zhu, Y.**, Li, R., Balasubramanian, B.A., Lairson, D.R., Giuliano, A.R. and Deshmukh, A.A., 2021. Oropharyngeal Cancer Incidence and Mortality Trends in All 50 States in the US, 2001-2017. ***JAMA Otolaryngology-Head & Neck Surgery***.
- Wozny, J., Parker, D., Sonawane, K., Russell, M., Savitz, S., Zamin, S. and **Zhu, Y.**, 2021. Surveying Stroke Rehabilitation in Texas: Capturing Geographic Disparities in Outpatient Clinic Availability. ***Archives of Physical Medicine and Rehabilitation***, 102(10), pp.e29-e30.
- Sonawane, K., Lin, Y.Y., Damgacioglu, H., **Zhu, Y.**, Fernandez, M.E., Montealegre, J.R., Cazaban, C.G., Li, R., Lairson, D.R., Lin, Y. and Giuliano, A.R., 2021. Trends in Human

Papillomavirus Vaccine Safety Concerns and Adverse Event Reporting in the United States. *JAMA network open*, 4(9), pp.e2124502-e2124502.

- **Zhu, Y.**, Pasch, K.E., Loukas, A., Sterling, K.L. and Perry, C.L., 2021. Exposure to cigar Point-of-Sale marketing and use of cigars and cigarettes among young adults. *Addictive Behaviors*, 116, p.106821.
- Sonawane, K.*, **Zhu, Y.***, Lin, Y.Y., Damgacioglu, H., Lin, Y., Montealegre, J.R. and Deshmukh, A.A., 2021. HPV vaccine recommendations and parental intent. *Pediatrics*, 147(3). **[*authors with equal contribution]**
- Sonawane, K., **Zhu, Y.**, Montealegre, J.R., Lairson, D.R., Bauer, C., McGee, L.U., Giuliano, A.R. and Deshmukh, A.A., 2020. Parental intent to initiate and complete the human papillomavirus vaccine series in the USA: a nationwide, cross-sectional survey. *The Lancet Public Health*, 5(9), pp.e484-e492.
- Sonawane, K., **Zhu, Y.**, Chan, W., Aguilar, D., Deshmukh, A.A. and Suarez-Almazor, M.E., 2020. Association of serum folate levels with cardiovascular mortality among adults with rheumatoid arthritis. *JAMA network open*, 3(2), pp.e200100-e200100.
- Sonawane, K., **Zhu, Y.**, Balkrishnan, R., Suk, R., Sharrief, A., Deshmukh, A.A. and Aguilar, D., 2019. Antihypertensive drug use and blood pressure control among stroke survivors in the United States: NHANES 2003-2014. *The Journal of Clinical Hypertension*, 21(6), pp.766-773.
- Wu, X., Tang, T., **Zhu, Y.**, 2015. The Evolution of Import Technology Level in China's High-Tech Products and International Comparison – Based on the Import Sophistication Index. *Journal of Hunan University of Commerce*, 22(3), pp.13-18.

MANUSCRIPTS UNDER REVIEW

- **Zhu, Y.**, Wu, C.F., Giuliano, A.R., Fernandez, M.E., Ortiz, A.P., Cazaban, C.G., Li, R., Deshmukh, A.A. and Sonawane, K. Tdap-HPV vaccination bundling: Trends, Predictors, and Implications for vaccine series completion.
- **Zhu, Y.**, Lin, Y.Y., Balasubramanian, B.A., He, C., Lairson, D.R., Deshmukh, A.A. and Sonawane, K. Association between provider reimbursement and Tdap-HPV vaccine bundling.
- Lin, Y.Y., Damgacioglu, H., Suk, R., Wu, C.F., **Zhu, Y.**, Ortiz, A.P., Hara, S.K., Sonawane, K. and Deshmukh, A.A. Trends in the incidence of human papillomavirus-associated cancers by county-level income and smoking prevalence in the United States, 2000-2018.

ABSTRACTS & PRESENTATIONS

- **Zhu, Y. (presenter)**, Sonawane, K. Mental Health Status and Its Association with Healthcare Expenditure Among US Stroke Patients: 2011-2018. 13th World Stroke Congress. Virtual. **[oral presentation]**
- **Zhu, Y. (presenter)**, Wu, C.F., Giuliano, A.R., Fernandez, M.E., Ortiz, A.P., Cazaban, C.G., Li, R., Deshmukh, A.A. and Sonawane, K. Tdap-HPV Vaccination Bundling in the United States: Trends, Predictors, and Implications for Policy and Practice. HE/HSR Seminar Series. August 2021. Houston, TX.

- **Zhu, Y. (presenter)**, Sonawane, K., Doherty, S.V., Parker, D., Wozny, J., Chukwumerije, N., Azeez, B., Varghese, S., Hoang, N., Ganduglia-Cazaban, C., Krause, T. and Savitz, S.I. Geographic Disparities in Access to Outpatient Stroke Rehabilitation Clinics in Rural Texas. Virtual ISPOR 2021. Virtual.
- **Zhu, Y. (guest lecturer)**. An Example of Using Real-World Data to Analyze Health Outcome. PH3920 Health Service Delivery and Performance. Spring 2021. Houston, TX.
- Sonawane, K. (presenter), Lin, Y.Y., Damgacioglu, H., **Zhu, Y.**, Fernandez, M.E., Montealegre, J.R., Ganduglia-Cazaban, C., Li, R., Lairson, D.R., Lin, Y., Giuliano, A.R. and Deshmukh, A.A. HPV Vaccine Safety Perceptions and Adverse Event Reporting Trends in the United States. EUROGIN 2021. Virtual. [oral presentation]
- Doherty, S.V., Parker, D., Sonawane, K., **Zhu, Y.**, Wozny, J., Krause, T., Ganduglia-Cazaban, C., Hoang, N., Varghese, S. and Savitz, S.I. Geographic Disparities in Access to Outpatient Stroke Rehabilitation Centers. International Stroke Conference 2021. Virtual.
- **Zhu, Y. (presenter)**, Sonawane, K., Suk, R., Deshmukh, A.A. and Aguilar, D. Antihypertensive Drug Use and Blood Pressure Control Among Stroke Survivors in the United States: Findings from the NHANES 2003-2014. UHealth School of Public Health Research Day 2019. Houston, TX. [**winner of best poster award**]

AD-HOC JOURNAL REVIEWER

- Journal of the American Heart Association
- Cancer Communications
- Gynecologic Oncology
- The Journal of Clinical Hypertension
- Journal of Cervical Cancer Research

ACADEMIC RESEARCH & TEACHING EXPERIENCE

Research Assistant to Dr. Kalyani Sonawane in data analysis of large administrative datasets and observational studies, and interpreting findings from real-world evidence to inform clinicians and policy makers, Nov. 2018 – present

Grant project worked

Harnessing Big Data for Identifying Geographic Clusters of Low-Income Children with Poor HPV Vaccination Rates, Sep. 2021 – May. 2024

Economic Impact of Vaccine-Preventable Disease, Feb. 2020 – Mar. 2021

Research Assistant to Dr. Ashish A. Deshmukh in assessing social determinants of HPV-associated cancer incidence, Jun. 2019 – Aug. 2019

Grant project worked

Optimizing Age-Based Anal Cancer Screening Among People Living with HIV using Decision Analytic Modeling

Teaching Assistant to Dr. Kalyani Sonawane
Management & Policy Concepts in Public Health, Spring 2019 – Fall 2021

Teaching Assistant to Drs. Paul Rowan & Kalyani Sonawane
Healthcare Outcomes and Quality Research, Fall 2021

Teaching Assistant to Dr. Mark Phelps
Management & Policy Concepts in Public Health, Summer 2021

Teaching Assistant to Dr. Ashish Deshmukh
Decision Analysis in Public Health and Medicine, Spring 2021

SELECTED MEDIA COVERAGE

- Medscape: “[HPV Vaccine Safety Concerns Up 80% From 2015 to 2018](#)” ... by Lucy Hicks
- U.S. News & World Report: “[More Parents Balking at Giving Kids Cancer-Fighting HPV Vaccine](#)” ... by Steven Reinberg
- The Philadelphia Inquirer: “[Most parents of unvaccinated teens have no intention of getting HPV vaccine for their kids, study finds](#)” ... by Kasra Zarei
- UTHHealth News: “[Parents of 1 in 2 unvaccinated U.S. adolescents have no intention to initiate HPV vaccine](#)” ... by Wendi Hawthorne
- U.S. News & World Report: “[Rheumatoid Arthritis, Low Folate Levels Raise Heart Risks](#)” ... by Robert Preidt

MEMBERSHIP

2021 – Present Member, International Society for Pharmacoeconomics and Outcomes Research
2020 – Present Member, Society for Medical Decision Making
2019 – Present Member, American Society of Health Economics

SKILLS

- Data Analytics: R, SAS, SEER*Stat, STATA, SPSS, TreeAge
- Programming Languages: SQL, Python
- Languages: Native in Mandarin, Proficient in English