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EDUCATION

- 2014-2018** **Ph.D.**, Public Health
The Chinese University of Hong Kong (CUHK), Hong Kong
Dissertation: *Prevalence and factors of antiretroviral therapy usage among HIV-positive men who have sex with men under a new treatment policy in China*
- 2008-2011** **M.S.**, Social Medicine and Public Health Management
Chinese Academy of Medical Sciences & Peking Union Medical College, Beijing, China
Dissertation: *Acceptability of biomedical prophylaxis for HIV/AIDS prevention among men who have sex with men in Beijing, China*
- 2003-2008** **B.S.**, Preventive Medicine
Jining Medical College, Shandong, China

PROFESSIONAL POSITIONS

- 2023-** **Assistant Professor (Tenure-track)**, Department of Health Promotion, Education, and Behavior, Arnold School of Public Health, University of South Carolina
- 2021-2023** **Research Assistant Professor**, Department of Health Promotion, Education, and Behavior, South Carolina SmartState Center for Healthcare Quality, Arnold School of Public Health, University of South Carolina
- 2021-2022** **R25 Big Data Health Science Fellow (“R25 Fellow”)**, Big Data Health Science Center, Arnold School of Public Health, University of South Carolina
- 2018-2020** **Post-doctoral Fellow**, Department of Health Promotion, Education, and Behavior, Arnold School of Public Health, University of South Carolina
- 2011-2014** **Health Professional Personnel**, Program Management Department, Chaoyang Centre for Disease Control and Prevention, Beijing, China
- 2013.06-12** **Visiting Scholar**, Center for Health Behaviour’s Research, The Jockey Club School of Public Health and Primary Care, The Chinese University of Hong Kong, Hong Kong.

HONORS AND DISTINCTIONS

- 2026** Wiley Top cited article in *HIV Medicine* in 2024
- 2025** Breakthrough of Research, University of South Carolina
- 2023** Scholarship Award for IAS 2023, the 12th IAS Conference on HIV Science
- 2021** Excellence in Abstract Submission among New Investigators Award for the HIV/AIDS section of the American Public Health Association
- 2021** ASPH Dean’s Excellence Award for Research, Scholarship, Mentoring and/or Teaching
- 2021** Wiley Top cited article 2020-2021 in *Applied psychology: health and well-being*
- 2019** The CHQ Researcher of the Year (Cash Award: \$3000)
- 2014-2017** Postgraduate Studentship of the Chinese University of Hong Kong
- 2015.9.15** The College Prize for Poster Presentations at the 2015 Annual Scientific Meeting, Hong Kong College of Community Medicine
- 2007-2008** Excellent Graduate Student of Jining Medical College
- National Support Scholarship for College Students
- 2006-2007** Student’s Scholarship of Jining Medical College

2005-2006	Prize of Excellent Achievement in Studying
2004-2005	Student's Scholarship of Jining Medical College
2004-2005	Prize of Excellent Achievement in Studying of Jining Medical College
2003-2004	Student's Scholarship of Jining Medical College

RESEARCH GRANTS

Extramural grants

2026.07-2031.07	National Institutes of Health (NIH) (R01MH143264) <i>Multimodal AI for Monitoring and Predicting Neurocognitive Impairment in People with HIV</i> Award Amount: \$5,096,182 Role: PI
2026.07-2031.07	National Institutes of Health (NIH) (DP2AI192453) <i>Leveraging Sexually Transmitted Infection Data for Enhancing HIV Prevention and Management Guidelines: A Data Science Approach</i> PI: Fanghui Shi Award Amount: \$2,235,000 Role: Co-I
2023.12-2026.11	National Institutes of Health (NIH) (R21HD114204-01) <i>Transitioning youth living with HIV to adult-oriented care: a statewide population-based study</i> Award Amount: \$398,311 Role: PI
2023.09-2025.08	National Institutes of Health (NIH) (R21NR021079-01A1) <i>Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South</i> Award Amount: \$398,744 Role: PI
2022.06-2024.05	National Institutes of Health (NIH) (R21AI170159-01A1) <i>The COVID-19 vaccine efficacy among people living with and without HIV: a real-world data approach</i> Award Amount: \$398,262 Role: PI
2024.06-2025.05	Augusta SCORE Pilot Grants (NIH) <i>Sex Differences of Cardiovascular Diseases among People with HIV: utilization of data from All of Us research program.</i> Award Amount: \$20,000 Role: PI
2023-2024	National Institutes of Health (NIH) (R01AI164947-03S2) <i>Impact of viral suppression status and aging on cardiovascular disease: A 15-year follow-up study of a statewide cohort of people with HIV</i> PI: Bankole Olatosi Award Amount: \$2,960,765 Role: Co-investigator
2023-2024	National Institutes of Health (NIH) (R01AI164947-03S1) <i>Sexual orientation and gender identity measures and viral suppression for people living with HIV</i> PI: Bankole Olatosi Award Amount: \$10,000 Role: Co-investigator
2022-2023	National Institutes of Health (NIH) (R01AI164947-02S1) <i>Personalized Prediction of Viral Suppression among Underrepresented Population Using All of Us Data</i> PI: Bankole Olatosi Award Amount: \$10,000 Role: Co-investigator
2022-2023	National Institutes of Health (NIH) (R01AI127203-5S1) <i>BDD CIS: Big Data Driven Clinical Informatics & Surveillance – A Multimodal Database</i>

Focused Clinical, Community, & Multi-Omics Surveillance Plan for COVID-19

PI: Xiaoming Li

Award Amount: \$1,500,000

Role: Co-investigator

2021-2026 National Institutes of Health (NIH) (R01MH127961-01A1)

Mitigate the Effect of HIV-related Stigma Through a Resilience Approach

PI: Xiaoming Li

Award amount: \$3,000,000

Role: Co-investigator

2021-2026 National Institutes of Health (NIH) (R25AIAI164581)

Big Data Health Science Fellow Program in Infectious Disease Research

MPI: Xiaoming Li and Jiajia Zhang

Award amount: \$1,755,000

Role: R25 Fellow

2018-2019 National Institutes of Health (NIH) (R01MH0112376-4S1)

HIV-related health outcomes among MSM living with HIV

PI: Xiaoming Li

Total award: \$100,000

Role: Co-investigator

2018-2021 National Institutes of Health (NIH) (R01AI127203)

Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction.

PI: Xiaoming Li

Total award: \$3,100,000

Role: Post-doctoral fellow

2017-2021 National Institutes of Health (NIH) (R01MH0112376)

HIV-related stigma and clinical outcomes: linkage and mechanism.

PI: Xiaoming Li

Total award: \$1,000,000.

Role: Post-doctoral fellow

Intramural grants

2026.07-2027.09 Office of the Vice President for Research (ASPIRE)-University of South Carolina

Modeling the Impact of Substance Use Disorders on Neurocognition in People with HIV Using the All of Us Platform

Award Amount: \$15,000

Role: PI

2025.10-2026.05 Scholars in Health and Alzheimer's Research Engagement

The structural and social determinants of Alzheimer's and related dementia in people with HIV: a mixed method

Award Amount: \$12,500

Role: PI

2026.07-2027.09 Office of the Vice President for Research (ASPIRE)-University of South Carolina

Characterizing substance use patterns and their impact on HIV care cascade: A data science Approach. PI: Shi

Award Amount: \$15,000

Role: Co-I

2025.04-2026.03 Social, Behavioral, & Economic COVID Coordinating Center (SBE CCC) Pilot Grant

Spatial and Social Disparities in Subjective and Objective Transportation Accessibility to Healthcare Services and Their Relationship to Long COVID. PI: Wang

Award Amount: \$30,000

Role: Co-I

2024.01-2025.05 Office of the Vice President for Research (Racial Justice and Equity Research Fund)

Examining Racial Disparities of Safety Perceptions and Neighborhood Bias with Geospatial Big Data and Artificial Intelligence (Grant #: 135400-24-65955). PI: Kang

Award Amount: \$15,000

2022.08-2024.09	Role: Co-I
	Office of the Vice President for Research (ASPIRE-I, Track 2)-University of South Carolina <i>Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South: a big data approach (Grant #: 115400-22-60028).</i> Award Amount: \$10,000
2019-2020	Role: PI
	Office of the Vice President for Research (ASPIRE-I Track II-B)-University of South Carolina <i>HIV related disclosures and HIV care cascade among MSM living with HIV in South Carolina, granted by the USC Office of the Vice President for Research (Grant #: 115400-19-50627).</i> Award Amount: \$4,987 Role: PI

EDITORIAL TASKS

Post-hoc Peer Reviewer:

2019-	<i>PloS One</i>
2019-	<i>International Journal of Environmental Research and Public Health</i>
2020-	<i>Scientific Reports</i>
2020-	<i>AIDS Care</i>
2020-	<i>Journal of Medical Virology</i>
2020-	<i>Brain Sciences (MDPI)</i>
2020-	<i>Virology: Research and Treatment</i>
2021-	<i>Frontiers in Psychiatry</i>
2021-	<i>AIDS & Behavior</i>
2021-	<i>BMC Infectious Disease</i>
2021-	<i>BMJ Open</i>
2021-	<i>Annals of Internal Medicine (Exceptional Reviewer)</i>
2021-	<i>Clinical Epidemiology</i>
2021-	<i>Clinical Infectious Disease</i>
2021-	<i>Journal of Medical Internet Research</i>
2021-	<i>Journal of Women & Aging</i>
2022-	<i>Frontiers in Medicine</i>
2022-	<i>eClinicalMedicine (The Lancet)</i>
2023-	<i>Frontiers in Public Health</i>
2023-	<i>BMC Health Services Research</i>
2023-	<i>Journal of Racial and Ethnic Health Disparities</i>
2025-	<i>BMC Global and Public Health</i>
2025-	<i>Journal of the Pediatric Infectious Diseases Society</i>
2025-	<i>JAMA Pediatrics</i>
2026-	<i>JAMA Internal Medicine</i>

Conference Peer Reviewer/Mentor:

2020-	<i>APHA 2020 Annual Meeting Reviewer for HIV/AIDS program</i>
2021-	<i>Abstract Mentor in the 11th IAS Conference on HIV Science 18-21 July 2021</i>
2022-	<i>Abstract Mentor in the 24th IAS Conference on HIV Science 29 July-2 August 2022, Montreal, Canada</i>
2022-	<i>APHA 2022 Annual Meeting Reviewer for HIV/AIDS program</i>
2023	<i>USC DISCOVER reviewer</i>
2023-2024	<i>USC Master Student Committee, Newton Fellowship Committee</i>
2026	<i>USC Big Data Health Science Center Conference Abstract Reviewer</i>

Grant Reviewer

2026.08	<i>NIH Analytics and Statistics for Population Research Panel B Study Section (ASPB) reviewer</i>
2026.04	<i>ANCHOR-MCH Pilot Grant Reviewer at USC</i>
2026.04	<i>NIH Analytics and Statistics for Population Research Panel B Study Section (ASPB) reviewer</i>
2024, 2025	<i>NIH AIM-AHEAD Research Fellowship Reviewer</i>

2025	USC ASPIRE-AI Reviewer
2024.03	CDC Grant Review Panel Member- U01 Scientific Review (RFA-PS-24-040)
2023	USC ASPIRE Reviewer
2021-2023	USC Big Data Health Science Center Pilot Project Reviewer

Journal Guest Editor

2023- Guest editor: *BMC Infectious Disease*

PUBLICATIONS

Refereed Journal Articles (*In press or Published*)

(*Underline denotes students co-author, * Paper published in Lancet HIV and was also cited by the New England Journal of Medicine (NEJM) Journal Watch as one of the top ten infectious diseases publications of 2021; # Top cited Article 2020-2021*)

1. Luo, R., Shi, F., Li, X., **Yang, X.** Mapping Psychophysiological Associations Among Perceived Stress, Resilience, and the Cortisol/DHEA Ratio in People Living with HIV: A Network Analysis. *Journal of Affective Disorders*, In press.
2. Luo, R., Li, X., **Yang, X.** Sexual delay discounting as a moderator of the association between substance use and condomless anal sex among young black and Latino men who have sex with men. *Addictive Behaviors Reports*, In press
3. Huang, C., Changes in racial disparities in viral suppression among people with HIV from 2013 – 2020: a statewide cohort study. *the Journal of racial and ethnic health disparities*.
4. Li, Q., Gu, Y., Zhang, H, Tam, C., Liu, H., ..& **Yang X.** Different HIV Testing Modalities and Associated Factors Among College Students Who Are Men Who Have Sex with Men in China. *AIDS Education and Prevention*, in press
5. Shi F, Xia H, Weissman S, Li X, **Yang X.** Computational Phenotyping of Sexually Transmitted Infections with the All of Us Research Program from 2010 to 2023. *JAMIA Open*, in press
6. Shi F, Xia H, Weissman S, Li X, **Yang X.** Sex differences in cardiovascular disease in people with and without HIV. *AIDS* (In press)
7. Pence, S., Zhuang, Y., Shi, F., **Yang, X.** Racial disparities and social determinants of long COVID in the United States: Evidence from the 2022 Behavioral Risk Factor Surveillance System. *Journal of Racial and Ethnic Health Disparities*, in press
8. Utaka, E., Xia, H., Wang, S., Shi, F., Li, Q., Olatosi, B., **Yang, X.** Geospatial Accessibility Factors Influencing HIV Care Continuum Outcomes in South Carolina. *AIDS and Behavior*, In press
9. Zhang, H., Xia, H., Shi, F., Olatosi, B., Weissman, S., Widener, R., Li, X., **Yang, X.** Post-transition Care Retention and Viral Suppression Outcomes Among Youth Living with HIV in South Carolina: A Real-world Data Research. *AIDS and Behavior*, In press
10. Wang, G., **Yang, X.**, Wang, K., Li, X., Dai, Z., & Qiao, S. (2026). Clinical and behavioral predictors of HIV-associated neurocognitive disorder among people with HIV who use substances: a secondary analysis of the HOPE trial. *Journal of NeuroVirology*, 32(3), 18.
11. Huang, C., **Yang, X.**, Zhou, Y., Liu, S., Zhao, Q., Li, X. Dyadic Relationship Between Caregiving Burden and Perceived Stress Among People with HIV: Moderated Mediation Analysis. *Psychology, Health & Medicine*, 1–14.
12. Huang C, Shi F, **Yang X**, Liu S, Zhou Y, Li X. Family Relationships, Resilience, and Quality of Life in People Living with HIV and Their Family Members: An Actor-Partner Interdependence Mediation Model. *Journal of the International Association of Providers of AIDS Care (JIAPAC)*. 2026;25. doi:10.1177/23259582261440323
13. Wang, K., **Yang, X.**, Magwood, M., Xu, C., Navia, R., Jean Neils-Strunjas, Li, X. Genome-Wide Association Study of Cognitive Functions in Families with Late-Onset Alzheimer's Disease. *Current Issues in Molecular Biology*. In press
14. **Yang X**, Shi F, Chen S, Samuel G, Olatosi B, Weissman S, Li X, Zhang J. Factors Associated with Lapses in Care Among People Living with HIV in South Carolina. *Scientific Reports*, In press
15. Shi F, **Yang X**, Qiao S, Tam C, Liu S, Zhou Y, Li X. Dyadic internalized stigma, resilience, and psychological distress among people with HIV and their family members: An actor-partner interdependence mediation model analysis. *AIDS and Behavior*. 2026
16. Huang C, **Yang X**, Zhang C, Shi F, Zhang J, Olatosi B, Weissman S, Li X. Changes of Racial Disparities in Viral Suppression in People With HIV, 2013-2020. *Journal of Racial and Ethnic Health Disparities*, In press

17. Shi F, Xia H, Weaver E.K, Li X, Olatosi B, Weissman S, Widener R, **Yang X**. Healthcare transition from pediatric to adult care among youth living with HIV in South Carolina: Retrospective study from 2005 to 2021. *Journal of Adolescent Health*, In press
18. Miller, S. J., Wolfe, A., Tam, C. C., & **Yang, X**. (2026) Barriers and Facilitators to Sexual Partners' PrEP Use: Perspectives of Men who Have Sex with Men with HIV. *Sexual Health*. 23. doi:10.1071/SH26044
19. Mathew, R., Zhang, J., Liu, Z., Chen, S., Nathan, C., Sanchez, A., Olatosi, B., Li, X., **Yang, X**. Breakthrough coronavirus associated infectious disease 2019 after vaccination among kidney transplant recipients. *Transplantation Proceedings*. In press
20. Pasha, A., Qiao, S., Zhang, J., Cai, R., He, B., **Yang, X**, Liang, C., Weissman, S., Li, X. Changes in Mental Health Care Utilization Before and During the COVID-19 Pandemic Among People Living with HIV in the United States: A Retrospective Cohort Study Using the All of Us Dataset. *BMJ Public Health*. In press.
21. Brown, M. J., Xiao, J., **Yang, X**, Olatosi, B., Weissman, S., Li, X., & Zhang, J. (2026). Sociodemographic and HIV-Related Characteristics Associated with Mental Health Diagnoses Among People Living with HIV. *AIDS and Behavior*, 1-10.
22. Shi F, Xia H, Li X, Olatosi B, Weissman S, **Yang X**. (2026) Long COVID between people with and without HIV: A statewide cohort analysis. *JAIDS*, in press
23. Zhang, H., Xia, H., Shi, F., Zhou, Y., Liu, S., Li, X., & **Yang, X**. (2025). Association between sleep quality and perceived stress among people living with HIV in China: a moderated mediation model. *AIDS care*, 1-10.
24. Buwei, H. E., Olatosi, B., Zhang, J., Weissman, S., Xiaoming, L. I., & **Yang, X**. (2025). Impact of integrase strand transfer inhibitors on cardiovascular disease in people with HIV. *Annals of Epidemiology*.
25. Zhang, H., Xia, H., Shi, F., Li, Q., Weissman, S., Li, X., **Yang, X**. (2025). Sex Differences in Cardiovascular Disease and Associated Factors in People Living with HIV: Evidence from All of Us Program. *HIV Medicine*.
26. Shi, F., Xia, H., Weissman, S., Li, X., & **Yang, X**. (2025). Tenofovir alafenamide fumarate use for HIV pre-exposure prophylaxis and weight gain. *Scientific Reports*, 15(1), 40112.
27. Miller, S. J., Wolfe, A., Tam, C. C., & **Yang, X**. (2025). "I want him to get on PrEP": The perspectives of men who have sex with men (MSM) living with HIV on pre-exposure prophylaxis (PrEP). *Sexual Health*, 22(6).
28. Gao, H., Liu, J., **Yang, X**, Olatosi, B., Weissman, S., Zhang, J. Disparities in Cardiovascular Disease Prevalence Among People Living with HIV in South Carolina from 2005 to 2020. *Public Health in Practice*, 100662.
29. **Yang, X**, Cai, R., He, B., Weissman, S., Olatosi, B., Li, X., & Zhang, J. (2025). Disruptions of healthcare visits and viral suppression for people living with HIV during the COVID-19 pandemic in the US. *BMC Infectious Diseases*, 25(1), 1295.
30. Olatosi, B., Gass, S. J., Chen, S., **Yang, X**, & Zhang, J. (2025). Are we there yet? A roadmap from a statewide population-based analysis of STI patterns among people with HIV, with implications for morbidity, transmission and ending the HIV epidemic. *Sexually Transmitted Infections*.
31. Utaka, E. N., **Yang, X**, Shi, F., Xia, H., Li, Q., Yelton, B., ... & Li, X. (2025). The Association Between Social Determinants of Health and HIV Risk Behaviors and HIV Testing Among Sexual and Gender Minority Individuals: A National Survey Study. *AIDS and Behavior*, 1-12.
32. Mi, T., **Yang, X**, Lan, G., Qiao, S., Shen, Z., Zhou, Y., & Li, X. (2025). Association Between Intersectional Stigma and Psychological Well-Being Among Men Who Have Sex with Men Living with HIV. *AIDS and Behavior*, 1-12.
33. Shi, F., Zhang, C., Zhang, J., Olatosi, B., Weissman, S., Li, X., & **Yang, X**. (2025). Longitudinal Patterns and Predictors of Racial Disparities of HIV Retention in Care: A Statewide Cohort Analysis. *AIDS and Behavior*, 29(12), 3746-3756.
34. **Yang, X**, Shi, F., Chen, S., Liu, Z., Xu, Y., Poland, G. A., ... & Li, X. (2025). Effects of COVID-19 vaccination and past SARS-CoV-2 infection on subsequent COVID-19 infection in people with HIV. *Journal of Microbiology, Immunology and Infection*.
35. Miller, S. J., Kaur, A., & **Yang, X**. (2025). Disparities in United States Nationwide County-Level PrEP Rate and PrEP to Need Ratio During the COVID-19 Pandemic. *Journal of Racial and Ethnic Health Disparities*, 1-10.
36. Mi, T., **Yang, X**, Lan, G., Qiao, S., Shen, Z., Zhou, Y., & Li, X. (2025). Measurement invariance of HIV-related stigma scales among men who have sex with men (MSM) and non-MSM populations: implications for comparative studies in China. *Frontiers in Psychology*, 16, 1510034.
37. Shi F, **Yang X**, Cai R, Zhang J, Harrison SE, Qiao S, Frary SG, Li X. Identification of Transgender and Gender-Diverse Individuals in the All of Us Research Program, 2017-2022. *Am J Public Health*. 2025 Aug;115(8):1278-1287. doi: 10.2105/AJPH.2025.308129. Epub 2025 Jun 5.
38. Shi, F., Weaver, K.E., Zhang, C., Olatosi, B., Zhang, J., Weissman, S., Li, X., and **Yang, X**. (2025) Temporal Changes in Racial Disparities of HIV Linkage to Care from 2013 to 2020: A Statewide Cohort Analysis. *J. Racial and Ethnic Health Disparities*. <https://doi.org/10.1007/s40615-025-02355-3>

39. Ma, Y., **Yang, X.**, Xiao, J., Li, X., Olatosi, B., Zhang, J. (2025) Longitudinal Viral Load Clustering for People With HIV Using Functional Principal Component Analysis. *AIDS Research and Treatment*, 2025(1), 5890464.
40. Ma, Y., Xiao, J., **Yang, X.**, Weissman, S., Li, X., Zhang, J. (2025) Association Between Dynamic Viral Rebound and Longitudinal Measures of Viral Load/CD4 Counts Among People with HIV in South Carolina. *AIDS Res Hum Retroviruses*, 41(5):253-262. doi: 10.1089/aid.2024.0035. Epub 2024 Dec 16. PMID: 39686710.
41. **Yang, X.**, Zhang, J., Liu, Z., Chen, S., Olatosi, B., Poland, G. A., ... & Li, X. (2025). Real-world effectiveness of COVID-19 vaccine in people with HIV compared with a matched HIV-negative cohort: a test-negative design. *Int J Infect Dis.* 150, 107310.
42. Xiao, J., Ma, Y., Zhang, J., **Yang, X.**, Weissman, S., Olatosi, B., & Li, X. (2025) A longitudinal assessment of viral rebound among people living with HIV in South Carolina: A population-based cohort study. *AIDS Care*, 37(1):33-42.
43. Miller, S. J., **Yang, X.**, & Qiao, S. (2024). Longitudinal impacts of Medicaid expansion and social vulnerability on PrEP prevalence and PrEP to need ratio (PNR). *AIDS Education and Prevention*, 36(5), 324-340.
44. **Yang, X.**, Cai, R., Ma, Y., Zhang, H., Sun, X., Olatosi, B., Weissman, S., Li, X., & Zhang, J. (2024) Using machine learning techniques to predict viral suppression among people with HIV. *JAIDS*, 10-1097.
45. Shi, F., Mi, T., Li, X., Ning, H., Li, Z., **Yang, X.** (2024) Structural racism and HIV Pre-Exposure Prophylaxis use in the nationwide US: A county-level analysis. *Journal of Racial and Ethnic Health Disparities*, 1-7.
46. Shi, F., Zhang, J., Chen, S., **Yang, X.**, Li, Z., et al (2024). Travel burden and timely linkage to care among people newly diagnosed with HIV infection in South Carolina from 2005 to 2020. *AIDS and Behavior*, 1-8
47. Shi, F., Zhang, J., Chen, S., **Yang, X.**, Li, Z., et al (2024). Multi-level factors associated with HIV late presentation with advanced disease and delay time of diagnosis in South Carolina, 2005-2019. *AIDS and Behavior*, 1-12.
48. Cai, R., Zhang, J., **Yang, X.**, Chen, S., Zhang, H., Ma, Y., Weissman, S., Olatosi, B., Li, X (2024). Use of Machine Learning Approaches to Predict Transition of Retention in Care among People Living with HIV in South Carolina: A Real-world Data Study. *AIDS Care*, 1-9.
49. **Yang X**, Shi F (co-first author), Zhang J, Gao H, Chen S, Olatosi B, Diedhiou A, Bruner L, Weissman S, Li X. (2024) Vaccination status and disease severity of COVID-19 in different phases of the pandemic. *Human Vaccines & Immunotherapeutics*, 20(1):2353491.
50. Liu, Z., Zhang, J., **Yang, X.**, Gao, H., Chen, S., Weissman, S., Olatosi, B., & Li, X. (2024) The dynamic risk factors of cardiovascular disease among people living with HIV: a real-world data study. *BMC Public Health*, 24(1):1162.
51. Gazi, M., **Yang, X.**, Gao, H., Chen, S., Zhang, J., Weissman, S., Olatosi, B., Li, X. (2024) Examining Incidence of Diabetes in People Living with HIV: Tracking the Shift in Traditional and HIV-related Risk Factors. *AIDS*, doi: 10.1097/QAD.0000000000003856.
52. **Yang, X.**, Olatosi, B., Weissman, S., Li, X., Zhang, J. (2024) Sexual orientation and gender identity measures and viral suppression for people living with HIV: protocol of a population-based cohort study. *BMJ Open*, 7;14(2):e076997. doi: 10.1136/bmjopen-2023-076997.
53. **Yang, X.**, Zhang, J., Olatosi, B., Li, Z., Weissman, S., Li, X. (2023) Patterns and predictors of racial/ethnic disparities in HIV care continuum in the Southern US: a protocol for a population-based cohort study. *BMJ Open*, 12;13(12):e080521. doi: 10.1136/bmjopen-2023-080521.
54. Shi, F., Zhang, J. **Yang, X.**, Gao, H., Chen, S., Olatosi, B., Weissman, S., Li, X. (2023) COVID-19 testing among people with HIV: a population level analysis based on statewide data in South Carolina. *ADS and Behavior*, Dec 18. doi: 10.1007/s10461-023-04244-4.
55. **Yang, X.**, Zhang, J., Liu, Z., Chen, S., Olatosi, B., Poland, G. A., ... & Li, X. (2023). COVID-19 breakthrough infections among people with and without HIV: a statewide cohort analysis. *Int J Infect Dis*, Nov 25;139:21-27.
56. Zeng, C., Zhang, J., Li, Z., Sun, X., Ning, H., **Yang, X.**, et al. (2023) Residential segregation and county level COVID-19 booster coverage in Deep South: Surveillance report and ecological study. *JMIR Public Health and Surveillance*, 5;9:e44257.
57. Shi, F., Zhang, J., **Yang, X.**, Sun, X., Li, Z., Weissman, S., Olatosi, B., Li, X. (2023) Understanding social risk factors of county-level disparities in COVID-19 tests per confirmed case in South Carolina using statewide electronic health records data. *BMC Public Health*, 23(1):2135.
58. Mi, T., Zhang, J., **Yang, X.**, Chen, S., Olatosi, B., Weissman, S., Li, X. (2023) Suicide ideation and attempt among people with HIV: A statewide population-level cohort analysis between 2005-2020. *JAIDS*, Epub ahead of print. PMID: 37977196.
59. **Yang, X.**, Zhang, J., Cai, R., Liang, C., Olatosi, B., Weissman, S., Li, X. (2023) Computational phenotyping with the All of Us Research Program-Identifying underrepresented people with HIV or at risk of HIV. *JAMIA Open*, 6(3):ooad071.
60. **Yang, X.**, Shi, F., Zhang, J., Gao, H., Chen, S., Olatosi, B., Weissman, S., Li, X. (2023) Disease severity of COVID-19 in different phases of the pandemic: do healthcare workers have better outcomes? *Vaccine X.*, 15:100377.

61. Gao, H., Zhang, J., **Yang, X.**, Weissman, S., Olatosi, B., & Li, X. The Incidence and Dynamic Risk Factors of Chronic Kidney Disease Among People Living with HIV – A Population-based Cohort Study. (2023) *AIDS*, 37(12):1783-1790.
62. Ma, Y., Zhang, J., **Yang, X.**, Weissman, S., Olatosi, B., & Li, X. (2023) Association of CD4 count and HIV Viral Load with Risk of Non-AIDS-Defining Cancers. *AIDS*, 37(13):1949-1957.
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CONFERENCE PRESENTATIONS

(Underline denotes students/mentee co-author)

1. Zhang H, Xia H, **Yang X.** Longitudinal Impact of AWGS 2025-Defined Sarcopenia on Cardiovascular Disease and Mortality: Mediating Role of Physical Performance. [Lightning Session]. APHA 2026 Annual Meeting & Expo, November 1–4, 2026, San Antonio, TX, USA.
2. Zhang, H., Li, X., Shi, F., Zhou, Y., Liu, S., **Yang, X.** Caregiving Burden and Perceived Stress Among Caregivers of People Living With HIV in China: A Parallel Mediation Model. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
3. Zhang, H., Xia, H., Li, X., Olatosi, B., Weissman, S., Widerer R., **Yang, X.** Mode of Transmission or Disease Duration? Disentangling the Drivers of Chronic Comorbidities among People with Perinatally or Youth-acquired HIV. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
4. Zhang, H., Xia, H., Shi, F., Li, X., Olatosi, B., Weissman, S., Widerer R., **Yang, X.** Post-transition Care Retention and Viral Suppression Outcomes Among Youth Living with HIV in South Carolina: A Real-world Data Research. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil.
5. Zhang, H., Xia, H., Bonilha, L., Brown, M., Li, X., Weissman, S., Friedman, D., Yelton, B., **Yang, X.** Social Determinants of Health and Cognitive Impairment among People with HIV: A Machine Learning Approach Using the All of Us Research Program. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
6. Weaver, K.E., Xia, H., Olatosi, B., & **Yang X.** (2026, April). The Role of Mental Health in Transfer to Adult Care Among Youth Living with HIV: Statewide Cohort Analysis. Poster to be presented at the Society for Pediatric Psychology Annual Conference, Las Vegas, Nevada.
7. Luo, R., Shi, F., Li, X., **Yang, X.** Understanding the psychophysiological mechanisms linking perceived stress, resilience, and cortisol/DHEA in people living with HIV: A network analysis. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
8. Luo, R., Shi, F., Li, X., **Yang, X.** Sexual delay discounting as a moderator between substance use and unprotected anal intercourse among young minority MSM. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
9. Huang, C., **Yang, X.** Family relationships and quality of life in people living with HIV and their family members: An actor-partner interdependence mediation model. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
10. **Yang X**, Xia H, Weissman, S, Li, X. Redefining Obesity and Its Implications for People with HIV: Evidence from the All of Us Cohort. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil.
11. Shi F, **Yang X**, Liu S, Li X. Multi-level resilience resources and psychological distress among people with HIV in China. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
12. Shi F, **Yang X**, Liu S, Li X. Multicomponent resilience-based intervention to mitigate the effect of HIV-related stigma: a stepped wedge cluster randomized trial. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
13. Shi F, Li Z, Xia H, Brown T, Li X, **Yang X.** Decoding HIV Pre-Exposure Prophylaxis Discourse on X Platform: Topic Modeling and Trend Analysis. The 26th International AIDS Conference. July 26-31, Rio de Janeiro, Brazil
14. Zhang H, Xia H, Shi F, Li X, Olatosi B, Weissman S, Widener R, **Yang X.** Post-transition Care Retention and Viral Suppression Outcomes Among Youth Living with HIV in South Carolina: A Real-world Data Research. [Poster presentation]. 7th National Big Data Health Science Conference 2026, 13-14 February 2026, Columbia, South Carolina, USA.

15. Weaver, K.E., Xia, H., Olatosi, B., & **Yang X.** (2026, April). The Role of Mental Health in Transfer to Adult Care Among Youth Living with HIV: Statewide Cohort Analysis. Poster to be presented at the Society for Pediatric Psychology Annual Conference, Las Vegas, Nevada.
16. Utaka, E.N., **Yang, X.**, Xia, H., Wang, S., Shi, F., Li, Q., Olatosi, B., Li, X. Geospatial Accessibility Factors Influencing HIV Care Continuum Outcomes in South Carolina. CROI 2026 Conference. February 22-25; Denver, Colorado, USA.
17. Shi F., Xia H, Li X, **Yang X.** Substance use disorder patterns and HIV acquisition: Insights from advanced machine learning. CROI 2026 Conference. February 22-25; Denver, Colorado, USA.
18. Shi F., Xia H, Wang K, Li X, **Yang X.** Genome-wide associated variants of neurocognitive disorder among people with and without HIV in the All of Us Research Program. CROI 2026 Conference. February 22-25; Denver, Colorado, USA.
19. Wang, K., **Yang, X.**, Navia, O., Xu, C., Neils-Strunjas, J., Li, X. Family-based genome-wide association study identified novel loci associated with cognitive functions. Oral presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
20. Chen, L., **Yang, X.**, Xu, C., Li, X., Wang, K. Machine learning models to predict Alzheimer's disease and mild cognitive impairment using Nightingale Health's NMR metabolomics platform. Oral presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
21. He, B., Zhang, J., Olatosi, B., **Yang, X.** Impact of integrase strand transfer inhibitors on cardiovascular disease in people with HIV. Poster presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
22. Wang, K., Chen, L., **Yang, X.**, Xu, C., Li, X. Machine learning models to predict Alzheimer's disease and mild cognitive impairment using Nightingale Health's NMR metabolomics platform. Oral presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
23. Wang, K., **Yang, X.**, Navia, O., Xu, C., Neils-Strunjas, J., Li, X. Family-based genome-wide association study identified novel loci associated with cognitive functions. Oral presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
24. Pence, S., Shi, F., Zhuang, Y., **Yang, X.** Racial Disparities and Social Determinants of Long COVID in the United States: Evidence from the 2022 Behavioral Risk Factor Surveillance System. Oral presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
25. Shi F., Xia H, Weaver E.K, Li X, Olatosi B, Weissman S, Widener R, **Yang X.** Healthcare transition from pediatric to adult care among youth living with HIV in South Carolina: Retrospective study from 2005 to 2021. Roundtable presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
26. Shi F., Xia H, Weissman S, Li X, **Yang X.** Computational phenotyping with the All of Us Research Program: Identifying sexually transmitted infections. Poster presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
27. Shi F., Xia H, Weissman S, Li X, **Yang X.** Tenofovir Alafenamide Fumarate use for HIV Pre-Exposure Prophylaxis and weight gain. Poster presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
28. Shi F., Xia H, Weissman S, Li X, **Yang X.** Sex differences in cardiovascular disease in people with and without HIV: A population-based matched cohort study. Poster presentation at APHA 2025 Annual Meeting and Expo. Nov 2-5; Washington, D.C.
29. Irene Su, **Yang, X.**, Shi, F., Ndiaye A., Li, X., and Olatosi, B. Data Science Application in HIV in Resource-limited Settings: A systematic Review. Annual Big Data Health Science Conference 2025, Columbia, USA.
30. Utaka, E.N., **Yang, X.**, Shi, F., Xia, H., Li, Q., Yelton, B., Friedman, D., Donelle, L., Li, X. (2025, July). The Association Between Social Determinants of Health and HIV Risk Behaviors and HIV Testing among Sexual and Gender Minority Individuals: A National Survey Study. [Conference presentation abstract]. International AIDS Society Conference 2025, Kigali, Rwanda.
31. Shi F., Yang X, Qiao S, Tam C, Zhou Y, Liu S, Li X. Dyadic internalized stigma, resilience, and psychiatric distress among people with HIV and their family members: An actor-partner interdependence mediation model analysis. IAS 2025 conference. July 13-17; Kigali, Rwanda.
32. Zhang, H., **Yang, X.**, Xia, H., Shi, F., Li, X. Sex differences in cardiovascular disease and associated factors in people living with HIV: Evidence from All of Us program. IAS 2025 conference. July 13-17; Kigali, Rwanda.
33. Zhang H., Xia H, Shi F, Zhou Y, Liu S, Li X, Yang X. Association between sleep quality and perceived stress among people living with HIV in China: a moderated mediation model. [Poster presentation]. AIDS Impact 2025, 26–28 May 2025, Casablanca, Morocco.
34. Shi F., **Yang X.**, Cai R, Zhang J, Harrison S, Qiao S, Li X. HIV Status and Psychiatric Diagnoses Among Transgender and Gender Diverse Individuals. CROI 2025 Conference. March 9-12, 2025; San Francisco, California, USA.

35. Zuo J, Shi F, Li X, **Yang X**. Temporal Variations of Racial Disparities in HIV Incidence in the United States From 2008 to 2021. CROI 2025 Conference. March 9-12, 2025; San Francisco, California, USA.
36. Xia G, **Yang X**, Shi F, Li X. The County Level Analysis of PrEP-to-Need Ratio With HIV Diagnosis in the US, 2012-2021. CROI 2025 Conference. March 9-12, 2025; San Francisco, California, USA.
37. Huang C, **Yang X**, Zhang C, Shi F, Zhang J, Olatosi B, Weissman S, Li X. Changes of Racial Disparities in Viral Suppression in People With HIV, 2013-2020. CROI 2025 Conference. March 9-12, 2025; San Francisco, California, USA.
38. Gao, H., **Yang, X.**, et al. Predictors of cardiovascular disease among people diagnosed with HIV aged 50 and over. The APHA Annual Meeting, Minneapolis, Oct 2024.
39. Zhang, C., **Yang, X.**, et al. Exploring the association of structural racism on HIV care continuum based on social media data in South Carolina. The APHA Annual Meeting, Minneapolis, Oct 2024.
40. **Yang, X.**, et al. Temporal changes in racial disparities of HIV linkage to care from 2013-2020: A statewide cohort analysis. Poster to be presented at the American Public Health Association Annual Meeting, Minneapolis, MN. Oct 2024.
41. Shi F, Cai R, Zhang J, **Yang X**, Olatosi B, Weissman S, Li X. Association of county-level social vulnerability with COVID-19 testing: The case of South Carolina in the United States. The APHA Annual Meeting, Minneapolis, Oct 2024.
42. Miller, S. J., Kaur, A., & **Yang, X.** (2024, October). Effects of the COVID-19 pandemic on county-level pre-exposure prophylaxis (PrEP) use and racial disparities in the United States (US). Poster to be presented at the American Public Health Association Annual Meeting, Minneapolis, MN.
43. Miller, S. J., Wolfe, A., Tam, C. C., & **Yang, X.** (2024, October). "I want him to get on PrEP": The perspectives of men who have sex with men (MSM) living with HIV on pre-exposure prophylaxis (PrEP). Poster to be presented at the American Public Health Association Annual Meeting, Minneapolis, MN.
44. **Yang, X.**, Zhang, J., Liu, Z., Chen, S., Olatosi, B., Poland, G. A., ... & Li, X. COVID-19 Breakthrough Infections Among People With and Without HIV: A Statewide Cohort Analysis. CROI 2024, Denver, Mar 3-6.
45. **Yang, X.**, Zhang, J., Liu, Z., Olatosi, B., Weissman, S., & Li, X. COVID-19 Vaccine Protection Against Long COVID: A Population-Based Cohort Study. CROI 2024, Denver, Mar 3-6.
46. **Yang, X.**, Zhang, J., Liu, Z., Olatosi, B., Weissman, S., & Li, X. Long COVID Between People With and Without HIV: A Statewide Cohort Analysis. CROI 2024, Denver, Mar 3-6.
47. Liu, Z., **Yang, X.**, Olatosi, B., Weissman, S., Li, X., & Zhang, J. Covid-19 Vaccine Effectiveness Against Different Variants Among A Population-Based HIV Cohort. CROI 2024, Denver, Mar 3-6.
48. He, B., Zhang, J., Chen, S., **Yang, X.**, Olatosi, B., Weissman, S., & Li, X. Association Between Substance Use Disorder and Sustained Viral Suppression Among People With HIV. CROI 2024, Denver, Mar 3-6.
49. Xiao, J., Ma, Y., **Yang, X.**, Olatosi, B., Li, X., & Zhang, J. Longitudinal Viral Load Clustering for People With HIV Using Functional Principal Component Analysis. CROI 2024, Denver, Mar 3-6.
50. Wymbs, H., Chen, S., **Yang, X.**, Zhang, J., Olatosi, B. The impact of COVID-19 on healthcare utilization in South Carolina by specialty. Oral presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
51. Wymbs, H., Chen, S., **Yang, X.**, Zhang, J., Olatosi, B. The impact of COVID-19 on admissions and specialty utilization in South Carolina for patients with HIV. Poster presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
52. Olatosi, B., Gao, H., **Yang, X.**, Zhang, J., Weissman, S., & Li, X. COVID-19 vaccine breakthrough in South Carolina: Findings from a statewide cohort of fully vaccinated patients, jan 2021 – june 2022. Oral presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
53. **Yang, X.**, Zhang, J., Cai, R., Olatosi, B., Weissman, S., & Li, X. Disruptions of healthcare visits for underrepresented people living with HIV during the COVID-19 pandemic. Poster presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
54. **Yang, X.**, Zhang, J., Ma, Y., Chen, S., Friedman, D., Yelton, B., Olatosi, B., Weissman, S., & Li, X. Associations between Social Determinants of Health and COVID-19 clinical outcomes between people living with and without HIV. Poster presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
55. Xiao, J., Ma, Y., Zhang, J., **Yang, X.**, Weissman, S., Olatosi, B., & Li, X. A longitudinal assessments of viral rebound among people living with HIV in South Carolina: A population-based cohort study. Oral presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
56. Ma, Y., Xiao, J., Zhang, J., **Yang, X.**, Weissman, S., Olatosi, B., & Li, X. Association between dynamic viral rebound and longitudinal measures of VL/CD4 counts among people living with HIV in South Carolina. Oral presentation at APHA 2023 Annual Meeting & Expo, Atlanta, Nov 12-15.
57. Shi, F., **Yang, X.**, Zhang, J., Gao, H., Chen, S., Olatosi, B., Weissman, S., & Li, X. Disease severity of COVID-19 in different phases of the pandemic: do healthcare workers have better outcomes? Poster presentation at APHA 2023

Annual Meeting & Expo, Atlanta, Nov 12-15.

58. **Yang, X.**, Zhang, J., Chen, S., Liu, Z., Olatosi, B., Weissman, S., & Li, X. (2023). COVID-19 breakthroughs among people with HIV in South Carolina. Accepted at IAS 2023, the 12th IAS Conference on HIV science (e-Poster).
59. **Yang, X.**, Zhang, J., Gao, H., Olatosi, B., Weissman, S., & Li, X. (2023). COVID-19 vaccine uptake among people with HIV in South Carolina. Accepted at IAS 2023, the 12th IAS Conference on HIV science (e-Poster).
60. Zeng, C., Zhang, J., Li, Z., Sun, X., Ning, H., **Yang, X.**, Weissman, S., Olatosi, B., Li, X. Residential segregation as a barrier to covid-19 booster coverage in deep south. Poster presentation at the 2023 Conference on Retrovirus and Opportunistic Infections (CROI 2023). Seattle, Washington.
61. Gazi, M., Gao, H., Chen, S., **Yang, X.**, Zhang, J., Li, X. The Incidence and Evolving Risk Factors of Diabetes Among People Living with HIV – A Population-based Cohort Study. Oral presentation at National Big Data Health Science Conference 2023, Columbia, SC.
62. Mi, T., **Yang, X.**, Shen, Z., Zhou, Y., & Li, X. The impact of intersectional stigma on health outcomes among MSM living with HIV. The 150th APHA Annual Meeting. Boston, MA, Nov. 6-9, 2022.
63. Mi, T., **Yang, X.**, Shen, Z., Zhou, Y., & Li, X. The mental health disparities in 3-year continual trajectories between MSM and other men living with HIV. The 150th APHA Annual Meeting. Boston, MA, Nov. 6-9, 2022.
64. Mi, T., **Yang, X.**, Shen, Z., Zhou, Y., & Li, X. Measurement invariance of HIV-related stigma scales across MSM and other men living with HIV/AIDS. The 150th APHA Annual Meeting. Boston, MA, Nov. 6-9, 2022.
65. Cai, R., Zhang, J., **Yang, X.**, Chen, S., Weissman, S., Olatosi, B., Li, X. Use a Machine Learning Approach to Predict the Dynamic Status of Retention in Care among People Living with HIV. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
66. Ma, Y., Zhang, J., **Yang, X.**, Chen, S., Weissman, S., Olatosi, B., Li, X. Association between CD4+ T-cell count and HIV-1 RNA Viral Load with Non-AIDS-Defining Cancers Risk in South Carolina. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
67. **Yang, X.**, Zhang, J., Gao, H., Chen, S., Olatosi, B., Weissman, S., Li, X. COVID-19 testing among people living with HIV: a population level analysis based on statewide data in South Carolina. Poster presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
68. Gao, H., Zhang, J., **Yang, X.**, Chen, S., Weissman, S., Olatosi, B., Li, X. The Incidence and Evolving Risk Factors of Cardiovascular Disease Among People Living with HIV – A Population-based Cohort Study. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
69. Gao, H., Zhang, J., **Yang, X.**, Chen, S., Weissman, S., Olatosi, B., Li, X. The Incidence and Evolving Risk Factors of Chronic Kidney Disease Among People Living with HIV – A Population-based Cohort Study. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
70. Shi, F., Zhang, J., **Yang, X.**, Sun, X., Weissman, S., Olatosi, B., Li, X. Association of county-level social vulnerability with COVID-19 testing: The case of South Carolina in the United States. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
71. **Yang, X.**, Zhang, J., Guo, S., Weissman, S., Olatosi, B., Fadul, Nada., Patel, RC., Li, X. Severity of COVID-19 in people living with HIV with different antiretroviral therapy exposure: a national cohort study. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
72. **Yang, X.**, Cai, R., Ma, Y., Zhang, H., Olatosi, B., Weissman, S., Zhang, J., Li, X., Zhang, J. Using machine learning techniques to predict viral suppression among people living with HIV. Poster presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
73. Lyu, T., Liang, C., Olatosi, B., Weissman, S., Zhang, J., **Yang, X.**, Hikmet, N., Li, X. Predicting individuals' hospitalization following exposure to COVID-19 using integrated medical claims and CDC contact tracking data: a machine learning approach. Poster presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
74. Olatosi, B., Chen, S., **Yang, X.**, Weissman, S., Zhang, J., Li, X. A Statewide Population Analysis of COVID-19 Vaccine Behavior among All COVID-19 Test Takers in South Carolina. Oral presentation at the 2022 Annual Meeting of the American Public Health Association, Boston, USA.
75. **Yang, X.**, Zhang, J., Chen, S., Weissman, S., Olatosi, B., Li, X. (2022, July) The disruption of COVID-19 pandemic on individual level HIV care continuum. E-poster at AIDS 2022, the 24th International AIDS Conference, Montreal, Canada.
76. Mi, T., Zhang, J., **Yang, X.**, Chen, S., Weissman, S., Olatosi, B., Li, X. (2022, July) Suicide ideation and attempt among people living with HIV in South Carolina: 2005-2016. E-poster at AIDS 2022, the 24th International AIDS Conference, Montreal, Canada.
77. Shi, F., Zhang, J., **Yang, X.**, Li, Z., Sun, X., Zeng, C., Ning, H., Olatosi, B., Weissman, S., Li, X. (2022, July) Racial residential segregation as a structural barrier to viral suppression among people living with HIV in Southern United States from 2013 to 2018: a county-level longitudinal study. E-poster at AIDS 2022, the 24th International AIDS

Conference, Montreal, Canada.

78. Guo, S., Zhang, J., **Yang, X.**, et al. (2022, February) Impact of aging in HIV on COVID-19 outcomes via a matched study. Poster presentation at the Conference on Retroviruses and Opportunistic Infections (CROI) 2022, Denver, CO, USA.
79. **Yang, X.**, Zhang, J., Guo, S., et al. (2021, October) HIV infection and COVID-19 disease severity: A population-based cohort analysis based on US national COVID cohort collaborative (N3C) enclave data. Oral presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
80. **Yang, X.**, Zarsadias, S., Brown, T., et al. (2021, October) Barriers and facilitators of HIV care continuum in men who have sex with men living with HIV in South Carolina. Poster presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
81. **Yang, X.**, Zeng, C., Zhang, J., et al. (2021, October) Temporal trends of state level mental health disorder in the amidst of COVID-19 pandemic: The role of community resilience. Oral presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
82. Zeng, C., **Yang, X.** et al. (2021, October) HIV service interruptions during the COVID-19 pandemic: the role of HIV service challenges and institutional response from healthcare professional's perspective. Poster presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
83. Mi, T., **Yang, X.**, et al. (2021, October) HIV-related stigma, sexual identity, and depressive symptoms among MSM living with HIV: A moderated mediation modeling analysis. Poster presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
84. Zeng, C., Zhang, J., Li, Z., Sun, X., **Yang, X.**, et al. (2021, October) Population mobility and health disparities in COVID-19 outbreaks in deep south: A county-level longitudinal analysis. Poster presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
85. **Yang, X.**, Sun, S., Zeng, C., et al. (2021, May) Impact of HIV disclosure on HIV care continuum among men who have sex with men living with HIV: systematic review and meta-analysis. Poster presentation at the 7th National LGBTQ Health Conference (Virtual).
86. Zarsadias, S., **Yang, X.**, et al. (2021, April) Facilitators and barriers for ART adherence, seeking care, and retaining care. Discover University of South Carolina, Columbia USA.
87. **Yang, X.**, Zhang, J., Chen, S., Weissman, S., Olatosi, B., & Li, X. (2021, February). *Comorbidity patterns among people living with HIV: a hierarchical clustering approach through integrated electronic health records data in South Carolina*. Poster presentation at National Big Data Health Science Conference 2021, Columbia, SC.
88. Mi, T., **Yang, X.**, et al. (2021, October) HIV-related stigma, sexual identity, and depressive symptoms among MSM living with HIV: A moderated mediation modeling analysis. Poster presentation at the 2021 Annual Meeting of the American Public Health Association, Denver USA.
89. **Yang, X.**, Zhang, J., Chen, S., Weissman, S., Olatosi, B., & Li, X. (2020, October). *Machine learning approaches to understanding predictors of comorbidity among people living with HIV in electronic health record data*. Oral presentation at the 2020 Annual Meeting of the American Public Health Association, San Francisco, CA.
90. **Yang, X.** & Li, X. (2020, October). Linkage to care, stigma and comorbidity among people living with HIV in South Carolina. Poster presentation at the 2020 Annual Meeting of the American Public Health Association, San Francisco, CA.
91. Zeng, C., Li, X., Qiao, S., **Yang, X.**, Shen, Z., & Zhou, Y. (2020, October). Association between psychological resilience and immunological outcome among people living with HIV: The moderating role of social support. Poster presentation at the 2020 Annual Meeting of the American Public Health Association, San Francisco, CA.
92. Qiao, S., Zeng, C., Li, X., **Yang, X.**, Shen, Z., & Zhou, Y. (2020, October). Resilience mitigates the negative impacts of different types of stigma on health-related quality of life among people living with HIV. Poster presentation at the 2020 Annual Meeting of the American Public Health Association, San Francisco, CA.
93. **Yang, X.**, Li, X., & Qiao, S. (2019, July) *Pattern of comorbidity and their demographic and psychosocial correlates among people living with HIV in South Carolina*. Poster presentation 2019 AIDS IMPACT 14TH International Conference, London UK.
94. Chen, C., **Yang, X.**, Zeng, C., Li, X., Qiao, S., & Zhou, Y. (2019, July). The role of mental health on the relationship between food insecurity and immunologic outcome among people living with HIV in Guangxi, China. Poster presentation 2019 AIDS IMPACT 14TH International Conference, London UK.
95. Shen, Z., **Yang, X.**, Li, X., Qiao, S., & Zhou, Y. (2019, July). Correlates between intersectional stigma and psychosocial well-being among men who have sex with men living with HIV in China: the mediating role of resilience. Poster presentation 2019 AIDS IMPACT 14TH International Conference, London UK.
96. Zhou, Y., **Yang, X.**, Li, X., Qiao, S., & Shen, Z. (2019, July). Socioeconomic disparity of immunologic outcome among people living with HIV in Guangxi, China. Poster presentation 2019 AIDS IMPACT 14TH International Conference, London UK.

97. Li, X., Qiao, S., & **Yang, X.** (2019, July). Disclosure to primary doctors, social support, and medicine adherence among people living with HIV in Southern United States. Poster presentation 2019 AIDS IMPACT 14TH International Conference, London UK.
98. **Yang, X.**, Li, X., Qiao, S., Shen, Z., & Zhou, Y. (2019, November). *Correlates between intersectional stigma and psychosocial well-being among people living with HIV South Carolina*. Poster presentation at the 2019 Annual Meeting of the American Public Health Association, Philadelphia USA.
99. Haider, M.R., Brown, M. J., **Yang, X.**, Ingram, L., Olatosi, B., & Li, X. (2019, November). HIV-related stigma delays timely linkage-to-care among patients living with HIV in South Carolina. Poster presentation at the 2019 Annual Meeting of the American Public Health Association, Philadelphia USA.
100. Zhao, Q., Li, X., Qiao, S., **Yang, X.**, Zhou, Y., & Shen, Z. (2019, November). Factors associated with sexual risk behaviors among people living with HIV in China. Poster presentation at the 2019 Annual Meeting of the American Public Health Association, Philadelphia USA.
101. **Yang, X.**, Wang, Z., & Lau, J.T.F. (2017, November). Health professionals' influence on initiation of free antiretroviral therapy among HIV-positive men who have sex with men under the new treatment guideline in China. Poster presentation at 2017 AIDS IMPACT 13th International Conference, Cape Town, South Africa.
102. **Yang, X.**, Li, J., Wang, Z., & Lau, J.T.F. (2016, January). A randomized controlled trial evaluating the efficacy of a brief social media intervention in reducing sexual risk behaviors among men who have sex with men in Beijing, China. Poster presentation at 2016 International Behavioral Health Conference, Hong Kong.
103. **Yang, X.**, Li, J., Wang, Z., & Lau, J.T.F. (2016, January). Prevalence and associated factors of probable depression, probable anxiety and suicidal ideation among men who have sex with men (MSM) in Hong Kong. Poster presentation at 2016 International Behavioral Health Conference, Hong Kong.
104. Li, D., **Yang, X.**, Zhang, Z., & Lau, J.T.F. (2015, September). Incidence of co-infections of HIV, herpes simplex virus type 2 and syphilis in a large cohort of men who have sex with men (MSM) in Beijing, China. Poster presentation at the 2015 Annual Scientific Meeting, Hong Kong College of Community Medicine, Hong Kong.

INVITED TALKS

October 2025	NIH R25 Junior Faculty Fellows Journal Club
May 28, 2025	NIH monthly SCORE meeting
May 23, 2025	2nd Annual Symposium on Sex as a Biological Variable sponsored by the Augusta University NIH SCORE and USC
May 7, 2025	Promoting cardiovascular health for women with HIV Women Veteran Empowerment Group Meeting at the Columbia VA Healthcare System
February 14, 2025	Utilization of All of Us Research Program for HIV research National Big Data Health Science Center Conference 2025
August 23, 2023	Unlocking the power of big data for HIV research: an overview. Nanjing Medical University Summer Camp Lecture
July 11, 2023	Leveraging data science in health behavioral and health outcome research. R25 Big Data Health Science Fellow Program
February 15, 2022	Disparities in clinical outcomes of COVID-19: Data from a Statewide Cohort in South Carolina. NIH, Division of Microbiology and Infectious Diseases (DMID)
January 24, 2022	Associations between HIV infection and clinical spectrum of COVID-19. N3C Community Forum Presentation.

TEACHING EXPERIENCE

Spring 2026	HPEB 684: HIV/STI prevention
Spring, Fall 2024-2025	Lead Instructor: HPEB 553 Community Health
Fall 2023	Guest Lecturer: HPEB 684 University of South Carolina <i>Topic: HIV epidemic in the context of COVID-19. October 24, 2023</i>
Fall 2023; Fall 2025	Guest Lecturer: CPH:3500:0AAA Fall23 Global Public Health Iowa University <i>Topic: HIV and COVID-19: when pandemics collide. October 19, 2023</i>
Spring 2022, Spring 2024, Spring 2025	Guest Lecturer: EPID 770: Social Epidemiology University of South Carolina <i>Topic: Biomarkers in social epidemiology/biological mechanisms: linking social</i>

Spring 2022	<i>conditions and health. March 17th, 2022; March 14th, 2024; March 17th, 2025</i> Guest Lecturer: HPEB 470: Principles of Global Health, University of South Carolina <i>Topic: The intersection of HIV and COVID-19 pandemics. March 16, 2022</i>
Fall 2021	Guest Lecturer: HPEB 470: Principles of Global Health, University of South Carolina <i>Topic: HIV and COVID-19: when pandemics collide. October 11, 2021</i>
2020-2021	Lecturer: Nanjing Medical University (NMU)-UofSC Exchange Program-Winter Course. <i>Topic: Health Behavioral Theories and Application (Jan-March)</i>
Spring 2020	Guest Lecturer: EPID 770: Social Epidemiology University of South Carolina <i>Topic: Biomarkers in social epidemiology/biological mechanisms: linking social conditions and health. March 24th, 2020</i>
2014-2018	Teaching Assistant, Center for Health Behaviour's Research, The Jockey Club School of Public Health and Primary Care, The Chinese University of Hong Kong (Awarded an Excellent TA)

STUDENT MENTORING

July-September, 2026

- **Giovanna Morara**, Department of Psychology Doctoral Comprehensive Examination committee member

May 2025-May 2026

- **Lensa Erenna**, T35 Training program
- **Katherine Waiver**, Junior Scholar in Department of Psychology (Primary mentor)
- **Pamela Magande**, Junior Scholar in Department of Epidemiology

Internship mentor (August-November, 2025)

- **Sai Chandra, Sriramula**, Master student in Health Information Technology, USC

Primary Mentor

- **Cuihong Huang, Hao Zhang, Edith Utaka, PhD students (2024-)**
- **G.C. Sulochan, Qingyang Li (2025-)**
- **Sarah Pence undergraduate at USC (2024-2026)**

June 2024-May 2025

- **Gabby Goldsmith**, R25 Big Data Analytics Emerging Scholar (e-Scholar) Training Program

November 2024-

- **April Sumter**, Community Scholar in PALSS, NIH R25 Big Data Health Science Community Scholars (R25 c-Scholars) Program

Feb 2025-May 2025

- **Yiding Zhuang**, Exchange Undergraduate from Nanjing Medical University
- **Yaodong Gu**, Exchange Undergraduate from Nanjing Medical University

Feb 2024-May 2024

- **Guohan Xia**, Exchange Undergraduate from Nanjing Medical University
- **Yahui Dai**, Exchange Undergraduate from Nanjing Medical University
- **Jingwen Zuo**, Exchange Undergraduate from Nanjing Medical University

May 2024-May 2025

- **Buwei He**, Junior Scholar in Department of Epidemiology and Biostatistics.

November 2023-

- **Andrew Lynch**, Community Scholar in HopeHealth, NIH R25 Big Data Health Science Community Scholars (R25 c-Scholars) Program

Fall 2023-Spring 2024

- Haoyuan Gao, Junior Scholar in Department of Epidemiology and Biostatistics. “Impact of COVID-19 on cardiovascular disease”.
- Sarah Miller, Junior Scholar in Department of Psychology (Secondary mentor). ““I want him to get on PrEP”: The perspectives of men who have sex with men (MSM) living with HIV on sexual partners’ use of Pre-exposure Prophylaxis (PrEP)”.

Fall 2022-Spring 2023

- Sarah Miller, Junior Scholar in Department of Psychology. “How geographic vulnerabilities predict pre-exposure prophylaxis (PrEP) and PrEP Needs Ratio”.

Fall 2021-Spring 2022

- Titilayo James, Junior Scholar in Department of Epidemiology and Biostatistics. “The impact of HIV disclosure on HIV care continuum outcomes”.
- Chuanrui Sun, exchange program between Nanjing Medical University and University of South Carolina

Fall 2020- Fall 2020

- Sydney Zarsadias, undergraduate student, capstone fellow. “Facilitators and barriers for ART adherence, seeking care, and retaining care.” Presented at Discover University of South Carolina, Columbia USA. 2021

Dissertation Committee Member

- Giovanna Morara, doctoral student in Department of Psychology, 2026
- Gazi Mohammad Pritom, doctoral student in Department of Health Promotion, Education and Behavior, “Diathesis–stress scoring: improving precision and closing gaps in stimulant use disorder care using a gene–environment lens”, 2026
- Mariajose Paton, doctoral student in Department of Psychology, “Community-engaged approaches for youth participation in HIV prevention: A systematic review”. 2021
- Meghan Restino, undergraduate student in Honors College “Analysis of coping strategies for the management of psychological distress in people living with HIV who have used prescription opioids”. 2025

Faculty Practicum Advisor

Spring 2026

- Megan Mazoue, MSW/MPH in Department of Health Promotion Education and Behavior. (Second grader)
- Alyssa Morgan, MSW/MPH in Department of Health Promotion Education and Behavior. (Second grader)

Spring 2025

- Taliah Ferguson, Applied Practice Experience (APE) Faculty Mentor, HPEB 797 course

Spring 2024

- Turner Mikayla, MSW/MPH in Department of Health Promotion Education and Behavior. (Second grader)
- Michael Shelley, MPH in Department of Health Promotion Education and Behavior. (Second grader)

Spring 2023

- William Giang, MPH in Department of Health Promotion, Education and Behavior. “Improving Diabetic Outcomes in Our Practice through Group Visits”.
- William Giang, hospital residency academic scholars. “Postacute Sequelae of SARS-CoV-2 Infection Among People With HIV: A Systematic Review.”

Spring 2022

- Rachel Floyd, MPH in Department of Health Promotion, Education and Behavior. “Ending the Epidemic: Educating Future Health Professionals on HIV Care”.

PROFESSIONAL SERVICE

2026-2028	Governing Councilor , Aging and Public Health section of the American Public Health Association
2025.06	NIH OAR Listening Session for Early Career Investigators in HIV Research
2023-2025	Governing Councilor , HIV/AIDS section of the American Public Health Association
2024-2025	Program Planner , 2024 South Carolina HIV, STD, and Viral Hepatitis Conference
2022-2023	Program Planner , HIV/AIDS section of the American Public Health Association
2021	Abstract Mentor , 11th IAS Conference on HIV Science
2019-2020	Vice President , Postdoctoral Association of the University of South Carolina
2015-2018	Student Membership , Hong Kong Society of Behavioral Health

April, 2015	Completed the Two-day Familiarization Workshop on Applying the AIDS Epidemic Model for Policy Analysis
July, 2016	Completed the 12-hour Mental Health First Aid Standard Course