

Xueying Yang, Ph.D.

Department of Health Promotion, Education & Behavior
South Carolina SmartState Center for Healthcare Quality
Norman J. Arnold School of Public Health
University of South Carolina
915 Greene Street, Columbia, SC, 29208

[Google scholar](#)

https://scholar.google.com/citations?user=i_KMh5wAAAAJ&hl=en

Email: xueyyang@mailbox.sc.edu

Phone: (803)-777-8941

Fax: (803)-777-6290

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

- 2021-** **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

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

RESEARCH GRANTS

Extramural grants

- 2022-2024** **National Institutes of Health (NIH) (R21AI170159-01A1)**
The COVID-19 vaccine efficacy among people living with and without HIV: a real-world data approach
Award Amount: \$398,262
Role: PI
- 2022-2023** **National Institutes of Health (NIH) (R01AI164947-02S1)**
Personalized Prediction of Viral Suppression among Underrepresented Population Using All of Us Data
PI: Bankole Olatosi
Award Amount: \$10,000
Role: Co-investigator
- 2022-2023** **National Institutes of Health (NIH) (R01AI127203-5S1)**
BDD CIS: Big Data Driven Clinical Informatics & Surveillance – A Multimodal Database 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) (R25AIA1164581)**
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

- 2022-2025** **South Carolina Smartstate Center for Health Care Quality-University of South Carolina**
Patient Cohort to Study Stress and HIV-associated Comorbidities in the Context of the COVID-19 Pandemic
Award Amount: \$193,500
Role: PI
- 2022-2023** **Office of the Vice President for Research (ASPIRE-I, Track 2)-University of South Carolina**
Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South: a big data approach (Grant #: 115400-22-60028).
Award Amount: \$10,000
Role: PI
- 2019-2020** **Office of the Vice President for Research (ASPIRE-I Track II-B)-University of South Carolina**
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).
Award Amount: \$4,987
Role: PI
- Pending***
- 2022-2024** **National Institutes of Health (NIH)**
COVID-19 Vaccine Uptake among People Living with HIV-Big Data Analysis using South Carolina Statewide Database
Award Amount: \$398,262
Role: PI
- 2023-2025** **National Institutes of Health (NIH) (R21AI170164)**
Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South: a big data approach
Award Amount: \$398,262
Role: PI
- 2023-2028** **National Institutes of Health (NIH)**
Long COVID among people with HIV: a statewide real-world data approach
Award Amount: \$3,570,088
Role: PI

EDITORIAL TASKS

Post-hoc Peer Reviewer:

- 2019- *PloS One*
2019- *International Journal of Environmental Research and Public Health*
2020- *Scientific Reports*
2020- *AIDS Care*
2020- *Journal of Medical Virology*
2020- *Brain Sciences (MDPI)*
2020- *Virology: Research and Treatment*
2021- *Frontiers in Psychiatry*
2021- *AIDS & Behavior*

2021- *BMC Infectious Disease*
2021- *BMJ Open*
2021- *Annals of Internal Medicine (Exceptional Reviewer)*
2021- *Clinical Epidemiology*
2021- *Clinical Infectious Disease*
2021- *Journal of Medical Internet Research*
2021- *Journal of Women & Aging*
2022- *Frontiers in Medicine*
2022- *eClinicalMedicine (The Lancet)*

Abstract Peer Reviewer/Mentor:

2020- *APHA 2020 Annual Meeting Reviewer for HIV/AIDS program*
2021- *Abstract Mentor in the 11th IAS Conference on HIV Science 18-21 July 2021*
2022- *Abstract Mentor in the 24th IAS Conference on HIV Science 29 July-2 August 2022, Montreal, Canada*
2022- *APHA 2022 Annual Meeting Reviewer for HIV/AIDS program*
2022- *APHA Program Planner 2022 Annual Meeting Reviewer for HIV/AIDS program*
2022- *USC Big Data Health Science Center Pilot Project Reviewer*

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. **Yang, X.**, Zhang, J., Chen, S., Weissman, S., Olatosi, B., and Li, X. The impact of COVID-19 pandemic on the dynamic change of retention in care and virological failure among people living with HIV: statewide real-world evidence. *AIDS. In press.*
2. Shi, F., Zhang, J., **Yang, X.**, et al. Moderation effect of community health on the relationship between racial residential segregation and HIV viral suppression in South Carolina: a county-level longitudinal study. *Frontiers in Public Health*, In press.
3. Ye, Z., Zeng, C., **Yang, X.**, Tam, C. C., Wang, Y., Qiao, S., Li, X., & Lin, D. (2022). COVID-19-related stressful experiences and posttraumatic stress disorder symptoms among college students in China: A moderated mediation model of perceived control over the future and empathy. *Journal of Pacific Rim Psychology*, 16.
4. **Yang, X.**, Zhang, J., Olatosi B, Weissman, S., Li, X. (2022) COVID-19 vaccine effectiveness among people living with and without HIV in South Carolina, USA: protocol of a population-based cohort study. *BMJ Open*. 23;12(8):e067095. doi: 10.1136/bmjopen-2022-067095.
5. Jiang, F., Zhao, Y., Bai, J., **Yang, X.**, Zhang, J., Lin, D., Li, X. (2022). Perceived health literacy and COVID-19 vaccine acceptance among Chinese college students: a mediation analysis. *PloS One (In press)*.
6. **Yang, X.**, Yelton, B., Chen, S., Zhang, J., Olatosi, B.A., Qiao, S., Li, X., & Friedman, D.B. (2022). Examining social determinants of health during a pandemic: Clinical application of Z codes before and during Covid-19. *Frontiers in Public Health*, 10 (Life-Course Epidemiology and Social Inequalities in Health).
7. Li, X., Qiao, S., **Yang, X.**, Harrison, S., Tam, C., Shen, Z., Zhou, Y. (2022) A resilience-based intervention to mitigate the effect of HIV-related stigma: protocol for a stepped wedge cluster randomized trial. *Frontiers in Public Health*, 10.
8. Mi, T., Lan, G., **Yang, X.**, et al. (2022) HIV-related stigma, sexual identity, and depressive symptoms among MSM living with HIV in China: a moderated mediation modeling analysis. *American Journal of Men's Health*, 16(2), 15579883221087531.
9. Zeng, C., Zhang, J., Li, Z., Sun, X., **Yang, X.**, et al. (2022) Population mobility accelerates the outbreaks of COVID-19 among communities with older adults in the Deep South: a county-level longitudinal Analysis. *Clinical Infectious Disease*, 74(Supplement_3), e1-e3.
10. Olatosi, B., Zhang, J., **Yang, X.**, Weissman, S., Li, Z., et al. (2022) Studying patterns and predictors of HIV viral suppression using A Big Data approach: A research protocol. *BMC Infectious Diseases*, 22(1), 1-12.

11. **Yang, X., Zeng, C.,** Tam, C., et al. (2022) HIV service interruptions during the COVID-19 pandemic: the role of COVID-19 challenges and institutional response from healthcare professional's perspective. *AIDS & Behavior*, 26(4), 1270-1278.
12. ***Yang, X.,** Sun, J., Patel, RC., Zhang, J., Guo, S., Zheng, Q., et al. (2021) Associations between HIV infection and clinical spectrum of COVID-19: a population level analysis based on US National COVID Cohort Collaborative (N3C) data. *The Lancet HIV*. Available online 13 October 2021. DOI: [https://doi.org/10.1016/S2352-3018\(21\)00239-3](https://doi.org/10.1016/S2352-3018(21)00239-3)
13. Tong, H., Zhou, Y, Li, X., Qiao, S., Shen, Z., **Yang, X.,** et al. (2021) Stress coping strategies and their perceived effectiveness among HIV/AIDS healthcare providers in China: a qualitative study, *Psychology, Health & Medicine*, DOI: 10.1080/13548506.2021.1983184
14. **Yang, X.,** Zhang, J., **Chen, S.** et al. (2021) Demographic disparities in clinical outcomes of COVID-19: data from a statewide cohort in South Carolina. *Open Forum Infectious Disease*, ofab428 <https://doi.org/10.1093/ofid/ofab428>.
15. Yang, T., **Yang, X.,** Li, L., Xu, H., Fan, L., Li, Q., ... & Gu, J. (2021). HIV diagnosis period influences ART initiation: Findings from a prospective cohort study in China. *AIDS Research and Therapy*, 18(1), 1-14.
16. **Mi, T.,** Zhou, G., Li, X., Qiao, S., **Yang, X.,** Shen, Z., & Zhou, Y. (2021) The association between HIV disclosure to family members and quality of life among people living with HIV/AIDS: A potential mediating role of social support. *Current Psychology*, 1-10.
17. **Yang, X.,** Zhang, J., **Chen, S.,** Weissman, S., Olatosi, B., & Li, X. (2021) Utilizing electronic health record data to understand comorbidity burden among people living with HIV: A machine learning approach. *AIDS*, 35 (Suppl 1): S39-S51.
18. **Yang, X.,** Zhang, J., **Chen, S.,** Weissman, S., Olatosi, B., & Li, X. (2021) Comorbidity patterns among people living with HIV: a hierarchical clustering approach through integrated electronic health records data in South Carolina. *AIDS Care*, 33(5):594-606.
19. Weissman, S., **Yang, X.,** Zhang, J., **Chen, S.,** Olatosi, B., & Li, X. (2021) Using a machine learning approach to explore predictors of healthcare visits as missed opportunities for HIV diagnosis. *AIDS*, 35 (Suppl 1): S7-S18.
20. Qiao, S., **Yang, X.,** Sun, S., Li, X., **Mi, T.,** Zhou, Y., & Shen, Z. (2021) Challenges to HIV service delivery and the impacts on patient care during COVID-19: Perspective of HIV care providers in Guangxi, China. *AIDS Care*. 33(5):559-665.
21. **Zeng, C.,** Qiao, S., Li, X., **Yang, X.,** et al. (2021) Differential relationships of stress and HIV disclosure by gender: a person centered longitudinal study. *BMC Public Health* 21, 263. <https://doi.org/10.1186/s12889-021-10291-0>.
22. **Cheng, C., Yang, X.,** et al (2020). The role of mental health on the relationship between food insecurity and immunologic outcome among people living with HIV in Guangxi, China. *Health psychology and behavioral medicine* 8,1 (2020): 636-648. doi:10.1080/21642850.2020.1854762.
23. **Mi, T., Yang, X.,** Sun, S. et al. (2020). Mental health problems of HIV healthcare providers during the COVID-19 pandemic: the interactive effects of stressors and coping. *AIDS and Behavior*. <https://doi.org/10.1007/s10461-020-03073-z>.
24. Tam, CC., Sun, S., **Yang, X.,** et al (2020). Psychological Distress Among HIV Healthcare Providers During the COVID-19 Pandemic in China: Mediating Roles of Institutional Support and Resilience. *AIDS and behavior*, 25(1), 9–17. <https://doi.org/10.1007/s10461-020-03068-w>.
25. **Yang, X.,** Li, X., & Qiao, S. (2020). Patterns of comorbidity and sociodemographic and psychosocial correlates among people living with HIV in South Carolina, USA. *HIV Medicine*, 21(4), 205-216.
26. **Yang, X.,** Li, X., Qiao, S., Li, L., **Parker, C.,** Shen, Z., & Zhou, Y. (2020). Intersectional stigma and psychosocial well-being among MSM living with HIV in Guangxi, China. *AIDS care*, 32(sup2), 5-13.
27. **Yang, X.,** Li, X., Qiao, S., Shen, Z., & Zhou, Y. (2020). Socioeconomic disparity of immunologic outcome among people living with HIV in Guangxi, China. *AIDS care*, 1-5.
28. **Yang, X.,** Wang, Z., Harrison, S., & Lau, J. T. F. (2020). Coverage and adherence of antiretroviral therapy among Chinese HIV-positive men who have sex with men with high CD4 counts in the era of 'Treat all'. *Tropical Medicine & International Health*, 25(3), 308-318.
29. ***Ye, Z., Yang, X. (co-first author), Zeng, C.,** Wang, Y., Shen, Z., Li, X., & Lin, D. (2020). Resilience, Social Support, and Coping as Mediators between COVID-19-related Stressful Experiences and Acute Stress Disorder among College Students in China. *Appl Psychol Health Well Being*, 15:10.1111/aphw.12211. doi: 10.1111/aphw.12211.
30. Zhang, Q., Qiao, S., **Yang, X.,** & Li, X. (2020). Antiretroviral concentration in hair as a measure for antiretroviral medication adherence: a systematic review of global literature. *AIDS and Behavior*, 24(1), 311-330.

31. Tong, H., Li, X., Qiao, S., Zhou, Y., Shen, Z., **Yang, X.**, et al.(2020) Sources and Impact of Work-Related Stress Among HIV/AIDS Health Care Providers in Guangxi, China: A Qualitative Research. *Workplace Health & Safety*, 68(2):81-91. doi:10.1177/2165079919857447.
32. Zhang, Z., Li, X., Qiao, S., **Yang, X.**, et al. (2020) Perceived benefits and costs of disclosing HIV diagnosis to family members among people living with HIV in Southern China: An application of a decision-making framework. *AIDS Care*, doi.org/10.1080/09540121.2020.1728217.
33. Zeng, C., Li, X., Qiao, S., **Yang, X.**, Shen, Z. & Zhou, Y. (2020) Anticipated Stigma and Medication Adherence among People Living with HIV: The Mechanistic Roles of Medication Support and ART Self-efficacy. *AIDS Care*, 32(8):1014-1022.
34. Zhang, Q., Li, X., Qiao, S., **Yang, X.** (2020). Factors related to hair antiretroviral concentration: A systematic review of global literature. *AIDS REVIEWS*, 22 (1): 25-33.
35. Cao, W., Wong, H., **Yang, X.**, et al (2020). The impact of serostatus disclosure on spousal relationships between wives and HIV-positive husbands who have sex with men in China. *Women & Health*, 60(6), 664-675.
36. Lv, L., Liu, S., Dong, W., Wei, Q., **Yang, X.**, Qiao, S., & Shen, Z. (2020). Methods of electronic filling of AIDS project questionnaire and batch data extraction. *Journal of Applied Preventive Medicine*, 26(04), 353-357.
37. **Yang, X.**, Li, X., Qiao, S., Zhang, Q., Shen, Z., & Zhou, Y. (2019). Immunological and virologic outcomes of people living with HIV in Guangxi, China: 2012-2017. *PLoS One*, 14(3), e0213205.
38. **Yang, X.**, Wang, Z., Wang, X., Ma, T., Xue, H., He, Y., & Lau, J. T. F. (2019). Behavioral Intention to Initiate Antiretroviral Therapy (ART) Among Chinese HIV-Infected Men Who Have Sex With Men Having High CD4 Count in the Era of "Treatment for All". *Am J Mens Health*. 13(1):1557988319828615. doi: 10.1177/1557988319828615.
39. Haider, M.R., Brown, M. J., Harrison, S., **Yang, X.**, Ingram, L., Bhoohibhoya, A., Hamilton, A., Olatosi, B., Li, X. (2019). Sociodemographic factors affecting viral load suppression among people living with HIV in South Carolina. *AID Care*. 19:1-9. doi: 10.1080/09540121.2019.1703892.
40. Zeng, C., Li, X., **Yang, X.**, et al (2019). Experiences of stigma and suicidal behaviors among rural-to-urban migrants: the mechanistic roles of depression and substance use. *Psychology, Health & Medicine*. DOI:10.1080/13548506.2019.1687921.
41. Lau, J. T. F., Wu, A. M. S., Cheng, K. m., Tse, V. W. S., Lau, M. M. C., & **Yang, X.** (2018). Prevalence and factors of self-corrective intention among Hong Kong secondary school students who are self- assessed Internet addiction cases. *Child Adolesc Ment Health*, 23(3), 155-163. doi:10.1111/camh.12219.
42. Wang, Z., Wu, X., Lau, J., Mo, P., Mak, W., Wang, X., **Yang, X.**, Gross, D., Jiang, H. (2017). Prevalence and factors associated with unprotected anal intercourse with regular and non-regular male sex partners among newly diagnosed HIV positive men who have sex with men in China. *HIV Med*, 18(9):635-646. doi: 10.1111/hiv.12500.
43. Wang, Z., Lau, J. T. F., **Yang, X.**, Cai, Y., Gross, D. L., Ma, T., & Liu, Y. (2017). Acceptability of daily use of free oral pre-exposure prophylaxis (PrEP) among transgender women sex workers in Shenyang, China. *AIDS Behav*, 21(12), 3287-3298. doi: 10.1007/s10461-017-1869-4.
44. Li, D., **Yang, X.**(co-first author), Zhang, Z., Wang, Z., Qi, X., Ruan, Y., . . . Lau, J. T. F. (2016). Incidence of co-infections of HIV, herpes simplex virus type 2 and syphilis in a large cohort of men who have sex with men in Beijing, China. *PLoS One*, 11(1), e0147422.
45. Zhang, L., Zhou, F., Yang, X., Xiao, D., **Yang, X.** (2016). Self-perception of HIV risk and its potential predictors among college student men who have sex with men in Beijing and Tianjin. *Chinese Journal of School Health*, 8, 1140-1142.
46. Wang, Z., Li, D., Lau, J. T. F., **Yang, X.**, Shen, H., & Cao, W. (2015). Prevalence and associated factors of inhaled nitrites use among men who have sex with men in Beijing, China. *Drug and Alcohol Dependence*, 149, 93-99.
47. Li, D., **Yang, X.** (co-first author), Zhang, Z., Qi, X., Ruan, Y., Jia, Y., . . . Luo, F. (2014). Nitrite inhalants use and HIV infection among men who have sex with men in China. *BioMed Research International*, 365261.
48. Wang, C., Ding, H., **Yang, X.**, Wan, B., Zhou, F. (2013). The survey on the HIV and HPV infection among men who have sex with men in Beijing. *Chin J of Prev Med*, 14(7), 542-543.
49. **Yang, X.**, Zhou, F., Wu, Z. (2013). Qualitative study of acceptability of biomedical measures for HIV/AIDS prevention among men who have sex with men in Beijing, China. *Chronic Pathemathol J*. 14(9), 649-653.
50. Zhou, F., Gao, L., Li, S., Li, D., Zhang, L., Fan, W., **Yang, X.**, . . . Yan, L. (2012). Willingness to accept HIV pre-exposure prophylaxis among Chinese men who have sex with men. *PLoS One*, 7(3), e32329.
51. Li, D., Li, S., Liu, Y., Gao, Y., Yu, M., **Yang, X.**, . . . Zhang, Z. (2012). HIV incidence among men who have sex with men in Beijing: a prospective cohort study. *BMJ open*, 2:e001829.

52. Li, D., Gao, Y., Yu, M., **Yang, X.**, Li, S., Xu, J., . . . Xiao, D. (2012). Study on the incidence of HIV and associated risk factors through a prospective cohort among men who have sex with men in Beijing, China. *Chin J Epidemiol*. 33(7):565-568.
53. Yu, M., Li, S., Yan, L., Jiang, G., Xiao, D., Li, D., Zhou, Z., **Yang, X.** (2011). HIV testing and its influence factors among men who have sex with men in Beijing. *Chinese Journal of Public Health*, 27(10), 1234-1236.
54. **Yang, X.**, Zhou, F., Wu, Z. (2011). A review of the research on the pre-exposure use of anti-retroviral (ARV) drugs for HIV prevention. *Chin J Dis Control Prev*, 15(2), 156-160.
55. **Yang, X.**, Zhou, F., Wu, Z. (2010). Investigation on knowledge, attitude and behavior of HIV /AIDS among out-of-school youth in a county in Yunnan Province. *Chin J Heal Edu*, 26(9):662-665.
56. Yang, B., Song, H., Zhuang, B., **Yang, X.** (2008). Analysis of behavioral risk factors in patients with of diabetes in Jining City. *Cap J Pub Health*, 2(5), 207-210.
57. Yang, B., Song, H., Zhuang, B., **Yang, X.** (2008). Study on chronic complications and relative risk factors in patients with type 2 diabetes mellitus. *J Hangzhou Teachers College (Medical Edition)*. 28(4):248-253.

Manuscripts Under Review

1. **Yang, X.**, Sun, S., Zeng, C., Qiao, S., James, T., Brown, M., Li, X. Impact of HIV disclosure on HIV care continuum among men who have sex with men living with HIV: systematic review and meta-analysis. Submitted 12/2021.
2. **Yang, X.**, Zhang, J., Gao, H., Chen, S., Olatosi B, Diedhiou, A., Bruner, L., Weissman, S., Li, X. Disease severity of COVID-19 in different phases of the pandemic. Submitted 12/2022.
3. Guo, S., Zhang, J., **Yang, X.**, Weissman, S., et al. Impact of aging in HIV on COVID-19 outcomes: a propensity score matched analysis. Submitted 05/2022.
4. Shi, F., Zhang, J., Li, Z., Zeng, C., Sun, X., **Yang, X.**, et al. County-level indicators of Linkage to care status among HIV population in South Carolina: A longitudinal analysis from 2010 to 2018. Submitted 06/2022.
5. James, T., **Yang, X.**, Brown, M., Brown, T., Zarsadias, S., Zhang, R., et al. Patterns of HIV disclosure and its impact on the HIV care continuum among men who have sex with men in South Carolina. Submitted 08/2022.

CONFERENCE PRESENTATIONS

(Underline denotes students co-author)

1. 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.
2. 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.
3. 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.
4. 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.
5. **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.
6. 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.
7. 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.
8. 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.

9. **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.
10. **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.
11. 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.
12. 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.
13. **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.
14. 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.
15. 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.
16. 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.
17. **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.
18. **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.
19. **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.
20. 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.
21. 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.
22. 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.
23. **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).
24. 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.
25. **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.
26. 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.

27. **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.
28. **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.
29. **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.
30. 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.
31. **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.
32. **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.
33. 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.
34. 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.
35. 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.
36. **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.
37. 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.
38. 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.
39. **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.
40. **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.
41. **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.
42. 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.

TEACHING EXPERIENCE

Spring 2022

Guest Lecturer: EPID 770: Social Epidemiology

University of South Carolina

Topic: Biomarkers in social epidemiology/biological mechanisms: linking social

Spring 2022	<i>conditions and health. March 17th, 2022</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>
Winter 2021	Lecturer: Nanjing Medical University (NMU)-UofSC Exchange Program- Winter Course. <i>Topic: Health Behavioral Theories and Application (Jan-March)</i>
Winter 2020	Lecturer: 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

Primary Mentor

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

Doctoral Dissertation Committee Member

- Mariajose Paton, doctoral student in Department of Psychology, "Community-engaged approaches for youth participation in HIV prevention: A systematic review". 2021

Faculty Practicum Advisor

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

2022-2023	Program Planner, HIV/AIDS section of the American Public Health Association 2022
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