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School of Nursing  
University of Rochester Medical Center  
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### **EDUCATION**

- **2024 Master of Science in Data Science**, University of Rochester, Rochester, New York
- **2019 Postdoctoral Fellow**, School of Nursing. University of Rochester Medical Center. Rochester, NY.
- **2017 Ph.D.**, Division of Epidemiology, School of Medicine, Vanderbilt University, Nashville, TN.
- **2010 Master of Public Health**, Department of Social and Behavioral Health, School of Rural Public Health, Texas A&M Health Science Center, College Station, Texas
- **2005 Bachelor of Medicine**, School of Public Health, Tongji Medical College, Wuhan, China

### **PROFESSIONAL EMPLOYMENT**

**Assistant Professor (Tenure-track), University of Rochester Medical Center, School of Nursing**  
2019-present

**Postdoctoral Research Associate, University of Rochester Medical Center, School of Nursing**  
2017-2019

**Research Assistant for Vanderbilt University, Division of Epidemiology**  
2013- 2017

**Program Officer/Evaluation Specialist, Global Health Institute, School of Public Health, Emory University**  
2011- 2013

**Research Assistant for School of Public Health, Texas A&M Health Science Center**  
2008- 2011

**Public Health Officer, Institute of Health Education, Beijing Center for Disease Control and Prevention**  
2005-2008

**Internship in Departments of Nutrition, Environmental Health, HIV/AIDS in Beijing Center for Disease Control and Prevention**  
2005-2006

**Medical Residency in Departments of Internal Medicine and ICU, Infectious Diseases in Union Hospital, XinHua Hospital of Hubei Province, China**  
2004-2005

### **CERTIFICATION**

- Certified Public Health Practitioner, Ministry of Health in China, 2006
- Certification of Inclusive Teaching for Equitable Learning, 2023

## HONORS & AWARDS

Emory Vu Fellowship	Emory University	2025-2026
NIDA Diversity Scholars Network Program Scholarship	NIDA	2024
Association of Nurse Care in AIDS, Research/Impact Award	ANAC	2023
Pamela and Jeremy A. Klainer Entrepreneurship Fund at School of Nursing	University of Rochester	2023
Mary Dombeck Diversity Enhancement Faculty Award at School of Nursing	University of Rochester	2023
Association of Nurses in AIDS Care Scholarship	ANAC	2022
Josephine Craytor Nursing Faculty Endowed Award for Excellence in Education	University of Rochester	2022
The Most Promising New Investigator at School of Nursing	University of Rochester	2021
Selected Mentee for the Social and Behavioral Science Research Network	CFAR	2018
Health Disparity Research Institute Scholar	NIH	2018
Student Travel Award: 1 <sup>st</sup> CHPAMS conference.	Emory University	2016
Vanderbilt University International Scholarship Fellowship	Vanderbilt University	2013-2016
International Scholarship for XIX International AIDS Society conference	IAS	2012
Poster award: Westlake Forum	Emory University	2011
International Scholarship for XVIII International AIDS Society conference	IAS	2010
Delta Omega, Alpha Tau Chapter Award	Texas A&M Health Science Center	2010
Excellence in Abstract Submission among Student Members	APHA	2010
HIV/AIDS Section Student Scholarship	APHA	2010

## RESEARCH GRANT SUPPORT

### **PI Grants:**

**School of Nursing Research Support Grant** (07/01/2025-06/30/2026; \$10,000)

URMC School of Nursing Intramural Award

*Computational Phenotyping of Substance Use Patterns Using the All of Us Dataset.*

**Rita Alex Foundation** (01/01/2024-12/31/2025; \$50,000)

*Developing an AI-powered and Nurse-assisted Chatbot to improve PrEP uptake among PrEP-eligible Black Women*

**University Research Award** (07/01/2023-12/31/2025; \$35,000)

University of Rochester

*Developing an evidence-based guide for capturing and evaluating structural racism against Black/African American populations affected by HIV in the United States*

**School of Nursing Research Support Grant** (09/01/2020-12/31/2021; \$10,000)

URMC School of Nursing Intramural Award

*Identify stage-specific barriers and facilitators in relation to PrEP use among high-risk women in New York State.*

**Center For AIDS Research (CFAR) Pilot Grant** (06/01/2020-12/31/2021; \$25,000)

URMC CFAR Intramural Award

*Exploring barriers and facilitators of PrEP implementation among primary care providers in the United States.*

**MPI Grants:**

**Joint URM School of Medicine and Dentistry/School of Nursing Intramural Award** (MPI: Yu Liu; 07/01/2018-12/01/2019; \$50,000)

Exploring the multilevel determinants of HIV testing self-efficacy among young black men who have sex with men,

**Co-Investigator Grants:**

**R01 MD013553** (PI: James McMahon; 09/01/2018-04/30/2022; \$2,050,000)

NIH/NIMHD

*Multilevel determinants of HIV pre-exposure prophylaxis (PrEP) utilization and health disparities among Black and Hispanic women.*

**School of Medicine and Dentistry, URM School of Medicine and Dentistry Intramural Award** (PI: Yu Liu; 08/01/2018-08/01/2019; \$25,000)

Assessing the role of HIV disclosure in health-related quality-of-life among older people living with HIV in the era of combination antiretroviral therapy

**Serving as a Research Assistant:**

**R01HD074221** (PI: Xiaoming Li; 08/01/2012–07/31/2017; \$1,768,579)

NIH/NICHHD

*Theory-based HIV Disclosure Intervention for Parents*

**R01AI94562** (PI: Sten Vermund; 03/15/2011 – 03/14/2016; \$403,961)

NIH/NIAID

*Multi-component HIV Intervention Packages for Chinese MSM*

**R01AA018090** (PI: Xiaoming Li; 09/25/2008 – 08/31/2014; \$2,629,634)

NIH/NIAAA

*Venue-based HIV and alcohol use risk reduction among female sex workers in China*

**PEER-REVIEWED PUBLICATIONS**

**(\*corresponding author, &co-first author, # senior author)**

1. Xu, Y., Mitchell, J.W., **Zhang, C.**, Liu, Y. (2025). Assessing the Impact of Resilience on the Association Between Psychosocial Stressors, Mental Health Burdens, and Suicidality Among Young Sexual Minority Men in Two U.S. Cities. *Journal of HIV/AIDS & Social Services*.  
<https://doi.org/10.1080/15381501.2025.2526012>.
2. **Zhang, C.** Chang, W., Moscow, M., Burgher, M., Anson, E., Zhang, Y., Liu, Y. (2025). Understanding the PrEP Care Continuum from Providers' Perspective: Barriers, Facilitators, and Missed Opportunities. *AIDS Patient Care and STD*. 2025 Feb;39(2):61-69. <https://doi.org/10.1089/apc.2024.02>.
3. Liu, Y., Mitchell, J., Brown, L., Chandler C., **Zhang, C.** (2025). Associations of Minority Stressors, Alcohol Use Disorder, Resilience, and HIV Testing Self-Efficacy among Black Men who Have Sex with Men in a Southern U.S. City: A Causal Mediation and Moderation Analysis. *Substance Use and Misuse*. 2025;60(1):120-129. doi: 10.1080/10826084.2024.2409770.
4. Muheriwa, S., Ciminelli, J., Anson, E., **Zhang, C.**, LeBlanc, N. (2024). Prevalence of Early Sexual Debut among Young Adolescents in Ten States of the United States. *Adolescents*. 2024, 4(3), 440-452; doi.org/10.3390/adolescents4030031.
5. Chang, W., **Zhang, C.** (2024). Revisiting the prevalence of unhealthy alcohol use among ethnic minority immigrant gay, bisexual men, and other men who have sex with men in North America: A systematic review and meta-analysis. *Journal of Immigrant and Minority Health*. 26(6):1085-1098. doi: 10.1007/s10903-024-01629-y.

6. Koleck, T., Dreisbach, C., **Zhang, C.**, Grayson, S., Lor, M., Leggio, K., Conway, A., Bakken, S. (2024). User Guide for Social Determinants of Health Survey Data in the All of Us Research. *Journal of American Medical Informatics Association*. 31(12):3032-3041. doi: 10.1093/jamia/ocae214.
7. **Zhang, C.**, Mitchell, W., Liu, Y (2024). Ameliorating Racial Disparities in HIV Prevention: A Nurse-Led, AI-Enhanced Program for PrEP Utilization Among Black Cisgender Women: A Study Protocol. *Journal of Medical Internet Research*. 2024 Aug 13:13:e59975. doi: 10.2196/59975.
8. Zhang, Y., Flannery, M., Zhang, Z., Blazey, M, Bobry M., Leblanc, N., **Zhang, C.** (2023). Digital Health Psychosocial Intervention in Adult Patients with Cancer and their Families: A Systematic Review and Meta-analysis. *Journal of Medical Internet Research in Cancer*. 2024 Feb 5:10:e46116. doi: 10.2196/46116.
9. Wang, M., Zhao, Y., **Zhang, C.**, Lou, J. (2023). The Within-Host Viral Kinetics of SARS-COV-2. *Journal of Applied Analysis and Computations*. 13(4): 2021-2052. doi: 10.11948/20220389.
10. **\*Zhang, C.** & Liu, Y. (2022). Editorial for the Special Issue-‘HIV Testing, Prevention, and Care Cascade’. *Trop. Med. Infect. Dis.* 2022, 7, 387. doi.org/10.3390/tropicalmed7110387.
11. **\*Zhang, C.** & Vermund, S. (2022). Voluntary Medical Male Circumcision for HIV Prevention: A Global Overview. *Current Opinion in HIV/AIDS*. 19:474–483 (2022). doi:10.1007/s11904-022-00632-y.
12. **\*Zhang, C.**, Fiscella, K., Chang, W., Przybylek, S. Liu, Y. (2022). Telemedicine experience for PrEP care among PrEP-eligible women and their primary care providers during the first year of the COVID-19 pandemic in the United States. *Tropical Medicine and Infectious Diseases*. 2022.7(10).280. doi: 10.3390/tropicalmed7100280.
13. Wang, Z., Zhang, Z., **Zhang, C.**, Jin, X., Wu, J., Sun, B., Shen, Y., Ruan, Y., Xing, H., Lou, J. (2022). Trace the history of HIV and predict its future through genetic sequences. *Tropical Medicine and Infectious Disease*. 7(8):190. doi: 10.3390/tropicalmed7080190.
14. Liu, Y., Hawkins, M., Osman, A., **#Zhang, C.** (2022). Assessing the prevalence and determinants of exposure-influenced HIV testing among a sample of pre- and post-exposure prophylaxis-naïve young men who have sex with men in the United States. *Tropical Medicine and Infectious Diseases*. 7(8):146. doi: 10.3390/tropicalmed7080146.
15. Wang, Y., Mitchell, J., **Zhang, C.**, Brown, L., Przybyla, S., Liu, Y. (2022). Suboptimal follow-up on HIV test results among young men who have sex with men: a community-based study in two U.S. cities. *Tropical Medicine and Infectious Diseases*. 7(7):139. doi: 10.3390/tropicalmed7070139.
16. **\*Zhang, C.**, Fiscella, K., Liu, Y. (2022). Exploring the role of provider-patient combination in women’s sexual health and PrEP care at the primary care settings in the United States. *International Journal of Environmental Research and Public Health*. 19(13): 8084.doi: 10.3390/ijerph19138084.
17. Wu, H., Zhao, Y., **Zhang, C.**, Wu, J., Lou, J. (2022). Structural and practical identifiability analyses on the transmission dynamics of COVID-19 in the United States. *Journal of Applied Analysis and Computation*. 12 (4): 1475-1495. doi:10.11948/20210300.
18. Wang, Y., Mitchell, J., **Zhang, C.** & Liu, Y. (2022). Evidence and implication of interventions across various socio-ecological levels to address pre-exposure prophylaxis uptake and adherence among men who have sex with men in the United States: a systematic review. *AIDS Research and Therapy*. doi: 10.1186/s12981-022-00456-1.
19. **\*Zhang, C.** & Liu, Y. (2022). Understanding the Association between PrEP Stigma and PrEP Cascade Moderated by the Intensity of HIV Testing. *Trop. Med. Infect. Dis.* 2022, 7, 74. doi.org/10.3390/tropicalmed7050074.d
20. Muheriwa, S., Cianelli, R., Leblanc, N., **Zhang, C.**, Santis, J., Villegas, N., McMahon, M. (2022). Associations between Home and School-based Violent Experiences and the Development of Sexual Behavior in Young Adolescent Girls in the Rural Southern Region of Malawi. *International Journal of Environmental Research and Public Health*. 19(10):5809. doi: 10.3390/ijerph19105809.
21. **\*Zhang, C.** Przybylek, S., Braksmajer, A., & Liu, Y (2022). An Integrated Conceptual Framework of Behavioral Intervention Technologies to Promote Healthcare Utilization Among Socially-Marginalized Populations in the U.S. *Journal of Nursing Studies and Patient Care*: 3(1): 12-23. PMID: 35727723

22. Russ, S., **Zhang, C.**, Przybyla, S. Liu, Y. (2022). Racial differences of psychosocial characteristics, HIV risk-taking and HIV prevention uptake between men who have sex with men only and men who have sex with men and women: A community-based study in two US cities. *Journal of Homosexuality*. 1-19. doi: 10.1080/00918369.2022.2048160
23. Liu, Y., Russ, S., Mitchell, J., Przybyla, S., **#Zhang, C.** (2022). Assessing the Determinants of Quality of Life and the Impact on HIV Prevention Measures among HIV-Negative and Status-Unknown Young Men Who Have Sex with Men: A Study in Two U.S. Metropolitan Areas. *International Journal of Environmental Research and Public Health*. 19(2):726. doi: 10.3390/ijerph19020726.
24. Liu Y, Bleasdale J, Przybyla S, Brown L, **#Zhang C.** (2022). Racial Variations in Psychosocial Vulnerabilities Linked to Differential Poppers Use and Associated HIV-Related Outcomes among Young Men Who Have Sex with Men: A Study in Two U.S. Metropolitan Areas. *Substance use and misuse*. 2022; 57 (4): 560-568. doi: 10.1080/10826084.2021.2023185.
25. Jin, X., Wang, Z., Zhang, Z., Wu, H., Ruan, Y., **Zhang, C.**, Kang, R., Xing, H. Lou, J. (2021). The transmission of drug-resistant strains of HIV in heterosexual populations based on genetic sequences. *PLoS One*.16(12):e0259023. doi: 10.1371/journal.pone.0259023.
26. Liu Y, Brown L, Przybyla S, Bleasdale J, **#Zhang C.** (2021). Characterizing racial differences of mental health burdens, psychosocial determinants, and impacts on HIV prevention outcomes among young black and white men who have sex with men. *Journal of Racial and Ethnic Health Disparities*. 9(4):1114-1124. doi.org/10.1007/s40615-021-01052-1.
27. Leblanc, N., Crean, H., Dyer, T., **Zhang, C.**, Turpin, R., Zhang, N., Smith, M., McMahon, J., Nelson, L. (2021). Ecological and Syndemic Predictors of Drug Use During Sex and Transactional Sex among US Black Men Who have Sex with Men: A Secondary Data Analysis from HPTN 061. *Archives of Sexual Behavior*. 50:2031–2047. doi: 10.1007/s10508-020-01871-z.
28. Russ, S., **Zhang, C.**, Liu, Y. (2021). Pre-exposure prophylaxis care continuum, barriers, and facilitators among black men who have sex with men in the United States: A systematic review and meta-analysis. *AIDS and Behaviors*. 25(7):2278-2288. doi: 10.1007/s10461-020-03156-x.
29. Jiang, H., Zhang, X., **\*Zhang, C.**, Lu, R., Zhou, C., Ouyang, L. et al. (2020). Trends of HIV, HCV, and syphilis seroprevalence among injection and non-injection drug users in southwestern China, 2010-2017. *AIDS Care*. 36(5):612-617. doi.org/10.1080/09540121.2020.1856320.
30. **\*Zhang, C.**, Warton, M., Xue, Y., LeBlanc, N., Liu, Y. (2020). Understanding the role of nurse practitioners, physician assistants and other nursing staff in HIV PrEP care in the U.S: a systematic review and meta-analysis. *BMC Nursing*,19(1): doi: 10.1186/s12912-020-00503-0.
31. Braksmajer, A., **Zhang, C.**, McMahon, J. (2020). Associations Between Relationship Power and Pre-Exposure Prophylaxis (PrEP) Use Among Men Who Have Sex With Men. *AIDS Behaviors*. 24(5):1358-1364. doi: 10.1007/s10461-019-02731-1.
32. McMahon JM, Braksmajer A, **Zhang C**, Leblanc N, Chen M, Aidala A, Simmons J (2020). Syndemic factors associated with adherence to antiretroviral therapy among HIV-positive adult heterosexual men. *ART Research and Therapy*. 9;16(1):32. doi: 10.1186/s12981-019-0248-9.
33. **\*Zhang, C.**, McMahon, J., LeBlanc, N., Braksmajer, A., Hugh C., Alcena-Stiner, D. (2020). Association of Medical Mistrust and Poor Communication with HIV-Related Health Outcomes and Psychosocial Wellbeing Among Heterosexual Men Living with HIV. *AIDS Patient Care and STDs*. 34(1):27-37. doi: 10.1089/apc.2019.0200.
34. **\*Zhang, C.**, Webb, G., Shepherd, B., Qian, H., Lou, J., Vermund, S. Predicting the long-term impact of voluntary medical male circumcision on HIV incidence among men who have sex with men in Beijing, China (2020). *AIDS Care*, 32(3): 343-353. doi: 10.1080/09540121.2019.1679704.
35. Chi, P., Zhao, S., **Zhang, C.**, Li, X., Guo, Y., Liu, X., Du, H. (2019). Effects of Psychosocial Interventions on Children Affected by Parental HIV/AIDS: A Meta-Analysis on Depression and Anxiety. *BMC Public Health*. 19(1):1572. doi: 10.1186/s12889-019-7806-x.
36. **\*Zhang, C.**, McMahon, J., Fiscella, K., Przybyla, S., Braksmajer, A., LeBlanc, N., Liu, Y. (2019). HIV Pre-Exposure Prophylaxis Implementation Cascade Among Health Care Professionals in the United

- States: Implications from a Systematic Review and Meta-Analysis. *AIDS Patient care and STDs*, 33(12): 507-527. doi: 10.1089/apc.2019.0119.
37. \***Zhang, C.**, Qian, H., Liu, Y., Vermund, S. (2019). Voluntary Medical Male Circumcision and HIV infection among men who have sex with men: implications from a systematic review. *Sage Open Medicine*, 7: 1-9;7:2050312119869110. doi: 10.1177/2050312119869110.
  38. \***Zhang, C.**, Simmons, J., McMahon, J., Brown, L., Nash, R., Liu, Y. (2019). Suboptimal HIV pre-exposure prophylaxis awareness and willingness to use among women who use drugs in the United States: A systematic review and meta-analysis. *AIDS and Behaviors*. doi: 10.1007/s10461-019-02573-x.
  39. Lambert F, **Zhang C**, Braksmajer A, McMahon J. Childhood trauma experiences and HIV-related symptoms in HIV-positive heterosexual men (2019). *Nursing research*. 68(2): E133.
  40. \***Zhang, C.**, Penson, D., Webb, G., Shepherd, B., Qian, H., Lou, J., Vermund, S. (2019). Modeling economic and epidemiological impact of voluntary medical male circumcision among MSM in Beijing, China. *International Journal of HIV/AIDS*. 30(7):630-638. doi: 10.1177/0956462419831859.
  41. Liu Y, Silenzio VMB, Nash R, Luther P, Bauermeister J, Vermund SH, \***Zhang C**. (2019). Suboptimal recent and regular HIV testing among Black men who have sex with men in the United States: Implications from a meta-analysis. *J Acquir Immune Defic Syndr*. 81(2):125-133.doi: 10.1097/QAI.0000000000002013.
  42. Lou, J., Cheng, J., Li, Y., **Zhang, C.**, Xing, H., Ruan, Y. et al. (2018). Comparison of different strategies for controlling HIV/AIDS spreading in MSM. *Infectious Disease Modeling*. 3: 293-300. doi: 10.1016/j.idm.2018.10.002.
  43. \***Zhang C.**, Li X., Liu Y, Qiao, S., Chen, Y., Tang, Z., Zhou Y. (2018). Impacts of HIV stigma on psychosocial well-being and behaviors of substance use among people living with HIV/AIDS in China: Age difference. *AIDS Education and Prevention*. (30(2):108-119. doi: 10.1521/aeap.2018.30.2.108.
  44. \***Zhang C.**, Li X., Liu Y, Qiao, S., Chen, Y., Tang, Z., Zhou Y. (2018). Impacts of HIV stigma on psychosocial well-being and behaviors of substance use among people living with HIV/AIDS in China: Stratified analysis by SES. *AIDS Education and Prevention*. 30(2):108-119. doi: 10.1521/aeap.2018.30.2. 108.
  45. Liu, Y., Vermund, S., Lu, H., **Zhang, C.**, Liu, H., Ruan, Y., Shao, Y., Qian, H. (2018). HIV testing and sexual risks among migrant men who have sex with men: findings from a large cross-sectional study in Beijing, China. *AIDS Care*. 25:1-9. doi: 10.1080/09540121.2017.1381331.
  46. Liu, Y., Qian, H., Amico, K.R., Liu, H., Yin, L., Ruan, Y., Shao, Y., **Zhang, C.**, Vermund, S.H. (2017). Subsequent sexual risks among men who have sex with men may differ by sex of first partner and age at sexual debut: a cross-sectional study in Beijing, China. *AIDS and Behaviors*. doi: 10.1007/s10461-017-1677-x.
  47. Huang, Y., **Zhang, C.**, Wu, J & Lou, J. (2017). Modelling the HIV persistence through the network of lymphocyte recirculation in vivo. *Infectious Disease Modeling*. 2(1): 90-99. doi.org/10.1016/j.idm.2017.02.003.
  48. \***Zhang C.**, Li X., Liu Y, Qiao, S., Chen, Y., Tang, Z., Zhou Y. (2016). Co-infections of Tuberculosis, Hepatitis B or C viruses in a Cohort of People Living with HIV/AIDS in China: Predictors and Sequelae. *AIDS Care*. 10.1080/09540121.2016.1271388.
  49. **Zhang, C.**, Liu, Y., Su, X., Wang, J., Lu, H., He, X., Zhang, H., Ruan, Y., Shao, Y., Vermund, S., Qian, H. (2016). Substance use and HIV-risk behaviors among HIV-positive men who have sex with men in China: associations in a cohort study design. *AIDS Care*. 29(8):974-977. doi: 10.1080/09540121.2016.1271388.
  50. Liu Y., Ruan Y., Strauss S.M., Yin L., Liu H., Amico K.R., **Zhang C.**, et al., (2016). Alcohol misuse, risky sexual behaviors and HIV or syphilis infections among Chinese MSM. *Drug Alcohol & Dependence*. 168:239-246. doi: 10.1016/j.drugalcdep.2016.09.020.
  51. Zhang, L., Shah, I. H., Li, X., Zhou, Y., **Zhang, C.**, Zhang, X. et al. Does the use of HIV testing and counseling services influence condom use among low-paid female sex workers in Guangxi, China? (2017). *AIDS Care*. 29(3):335-338. doi: 10.1080/09540121.2016.1220482.

52. \***Zhang, C.**, Li, X., Liu, Y., Qiao, S., Su, S., Zhang, L., Zhou, Y., Chen, Y., Shen, Z. (2016). A Pedigree-based Proxy Measure of Genetic Predisposition of Drinking and Alcohol Use among Female Sex Workers in China: a cross-sectional study. *AIDS Care*.29(2):223-225. doi: 10.1080/09540121.2016.1211240.
53. **Zhang, C.**, Qian HZ, Yin L, Liu Y, Strauss SM, Ruan Y, Shao Y, Lu H, Vermund SH (2016). Sexual behaviors linked to drug and alcohol use among men who have sex with men in China. *Substance use & misuse*. 51(14):1821-30. doi: 10.1080/10826084.2016.1197264.
54. Liu, Y., Vermund, S., Li, D., Ruan, Y., **Zhang, C.**, Yin, L., Shao, Y., Qian, H. Associations of current marital status and living arrangements with HIV and syphilis risk: findings from a community-based sample of men who have sex with men in China. (2016). *AIDS Care*.28(11):1461-6. doi: 10.1080/09540121.2016.
55. Liu, Y., Wang,J., Qian,H., Liu,H., Yin, L., **Zhang, C.**, Lu, H., Ruan, Y., Vermund, S., Shao, Y. Seeking male sexual partners via Internet and traditional venues among Chinese men who have sex with men: implications for HIV risk reduction interventions. *AIDS and Behavior*. 20(10):2222-2230. doi: 10.1007/s10461-016-1371-4.
56. \***Zhang, C.**, Li, X., Liu, Y., Qiao, S., Zhang, L., Zhou, Y., Tang, Z., Shen, Z., Chen, Y. (2016). Stigma against people living with HIV/AIDS in China: dose the route of infection matter? A predicative modeling strategy. *PLoS One*. 11(3):e0151078. doi: 10.1371/journal.pone.0151078.
57. \***Zhang, C.**, Li, X., Liu, Y., Qiao, S., Zhang, L., Zhou, Y., Shen, Z., Tang, Z. (2016). Emotional, physical and financial burdens of stigma against people living with HIV/AIDS in China. *AIDS Care*. 28 Suppl 1(sup1):124-31. doi: 10.1080/09540121.2016.1146206.
58. \***Zhang, C.**, Li, X., Liu, Y., Tang, Z., Shen, Z., Zhou, Y., Su, S. (2015). Human immunodeficiency virus, syphilis and hepatitis C virus prevalence trends among cross-border migrant Vietnamese female sex workers in Guangxi, China. *BMC Public Health*. 15:1223. doi:10.1186/s12889-015-2561-0.
59. \***Zhang, C.**, Hong, Y., Li, X., Shan, Q., Zhou, Y., Su, S. (2015). Psychological stressors in the context of commercial sex among female sex workers in China. *Healthcare for Women International*, 36(7):753-67. doi: 10.1080/07399332.2013.838247.
60. Ory, M. G., Altpeter, M., Belza, B., Helduser, J., **Zhang, C.**, & Smith, M. L. (2015). Perceptions about community applications of RE-AIM in the promotion of evidence-based programs for older adults. *Evaluation & the Health Professionals*. 38(1): 15-20. doi. 10.1177/0163278714542335
61. Ory, M. G., Altpeter, M., Belza, B., Helduser, J., **Zhang, C.**, & Smith, M. L. (2015). Perceived Utility of the RE-AIM Framework for Health Promotion/Disease Prevention Initiatives for Older Adults: A Case Study from the U.S. Evidence-Based Disease Prevention Initiative. *Frontiers in Public Health*, 2:143. doi: 10.3389/fpubh.2014.00143.
62. Tang, Z., \***Zhang, C.**, Li, X., Liu, Y., Zhou, Y., Shen, Z., & Su, S. (2015). HIV risk among female sex workers with different patterns of drug use behaviors in Southwest China: a cross-sectional study. *AIDS Care* ;27(3):293-300. doi: 10.1080/09540121.2014.980214.
63. Qiao S, Li X, **Zhang C.**, Zhou YJ, Shen ZY, Tang ZZ (2015). Social support and condom use among female sex workers in China. *Health Care for Women International*, 36(7):834-50. doi: 10.1080/07399332.2014.971952.
64. Su, S., Li, X. Lin, D., **Zhang, C.**, Qiao, S., Zhou, Y. (2015). Social-context factors, Refusal Self-efficacy and Alcohol Use among female sex workers in China. *Psychology, Health & Medicine*, 20(8):889-95. doi: 10.1080/13548506.2014.966727.
65. \***Zhang C.**, Li X., Su S., Hong Y., Zhou Y., Zhen T., Shen Z. (2015) Violence against Chinese female sex workers from their stable partners: a hierarchical multiple regression analysis. *Healthcare for Women International*, 36(7):797-815. doi: 10.1080/07399332.2014.909432.
66. Zhang, L., Li,X., Zhou,Y., Lin, D. , Su, S., **Zhang, C.**, Stanton, B. (2015). Predictors of consistent condom use among Chinese female sex workers: an application of the Protection Motivation Theory. *Health Care for Women International*, 36(7):816-33. doi: 10.1080/07399332.2014.942902.

67. Shen, Z., **\*Zhang, C.**, Li, X., Su, S., Cui, Y., Zhou, Y. & Tang, Z. (2014). HIV-related behavioral risk factors among older female sex workers in Guangxi, China. *AIDS Care*. 26(11):1407-10. doi: 10.1080/09540121.2014.913764.
68. Xu, J.; **Zhang, C.\***; Hu, Q.; Chu, Z.; Zhang, J.; Li, Y. et al. (2014). Relationship between recreational drug use and HIV/STIs among Chinese men who have sex with men: mediation through multiple sexual partnerships. *BMC Infectious Disease*, 14:642. doi: 10.1186/s12879-014-0642-9.
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92. Liu XR & **Zhang C.** Knowledge Attitude and Behaviors of Students on Traffic Harm Prevention and Control. *Journal of Application of Preventive Medicine*, 2006; 10(13):1148-1149.
93. Liu XR & **Zhang C.** Effect of Intervention on teenagers on traffic safety injury. *Journal of Chinese Preventive Medicine*, 2006 (9): 70-71.

## **UNDER REVISION/REVIEW**

- Deng, Z., Koleck, T., **Zhang, C.**, Dreisback, C., Higgins, P. AOUSDOHtools: An R Package for Social Determinants of Health Survey data in the All of Us Research Program. *Journal of Open-Source Software* (under review).
- Chang, W., LeBlanc, N., **Zhang, C.** (2025). Alcohol Concept Analysis of Unhealthy Alcohol Use. *Nursing Forum*. (under review).
- **Zhang, C.**, Chang, W., Qiao, S., Liu, Y. (2024). Intersecting Identities and Diverging Risks of Substance Use Among Sexual Minorities: Insights from the Multilevel Analysis of Individual Heterogeneity and Discriminatory Accuracy. *BMJ Open*. (under review).
- **Zhang, C.**, Chang, W., LeBlanc, N., Yu, Y., Liu, Y. (2025). Understand neighborhood-level stressor and resilience sources, healthcare discrimination and alcohol use among sexual minority groups in the United States: Insights from the All of Us. *Health Equity*. (under review).
- **Zhang, C.**, Chang, W., Liu, Y. (2025). Leveraging AI and Nursing Care to Facilitate PrEP Utilization Among Black Cisgender Women: A Qualitative Study for Insights from Key Stakeholders. *JMIR-Nursing* (under review).
- **Zhang, C.**, Tang, Y., Chang, Liu, Y. (2025). Predictive Modeling for Alcohol and Drug use among Sexual Minority Groups: Insights from the Generation Study. *PLoS One* (under review).
- Chang, W., LeBlanc, N., **Zhang, C.** (2025). Discrimination, Stress, and Unhealthy Alcohol and Substance Use among Ethnoracial Minority Gay, Bisexual, and Other Men Who Have Sex with Men. *Journal of American Psychiatric Nurse Association*. (under review).
- **Zhang, C.** Zhang, Y., Chang, W., Liu, Y. (2025). Social and Structural Influences on HIV Care Continuum Among Individuals Infected with HIV: A qualitative study. *AIDS Patient Care and STD*. (under review).

- **Zhang, C.** Zhang, Y., Chang, W., Liu, Y. (2025). Selective Disclosure and Different Levels of Support: Strategies for Managing Intersectional Stigma in HIV Healthcare Engagement. *AIDS Care*. (under review).
- **Zhang, C.**, Tang, Y., Chang, W., Liu, Y. (2025). Quantifying Structural Disadvantage in HIV Prevention: Development and Validation of the HIV-Specific Social and Structural Determinants Index. *AIDS Patient Care and STD*. (under review).

## **CONFERENCE PRESENTATION**

1. **Zhang, C.**, Chang, W., Liu, Y. (2025). The Impact of Structural Racism on Disparities in the HIV Care Continuum: A State-Level Analysis in the United States. 2025 American Public Health Association Conference. Washington, DC. (oral).
2. **Zhang, C.**, Chang, W., Liu, Y. (2025). Advancing PrEP Engagement Among Black Women Using AI and Nursing Care: A Stakeholder-Informed Qualitative Study. 2025 American Public Health Association. Washington, DC. Conference (poster).
3. **Zhang, C.**, Tang, Y., Chang, W., Liu, Y. (2025). Leveraging Machine Learning to Understand Social and Structural Determinants of Alcohol and Drug Use in Sexual Minorities. 2025 American Public Health Association Conference. Washington, DC. (oral).
4. **Zhang, C.**, Chang, W., Tang, Y., Liu, Y. (2025). *Structural and Social Determinants of Health and the HIV Care Continuum: Longitudinal and Cross-Sectional Insights*. 2025 American Public Health Association Conference. Washington, DC. (poster).
5. **Zhang, C.**, Liu, Y., Tang, Y., Chang, W. (2025). *Development and Psychometric Validation of a Multidimensional HIV-Specific Social and Structural Determinants of Health Index*. 2025 American Public Health Association Conference. Washington, DC. (poster).
6. **Zhang, C.**, Chang, W., Tang, Y., Liu, Y. (2025). *The Impact of Social Determinants on HIV Incidence, PrEP Use, and Disparities Over Time in the U.S.: A Longitudinal Analysis*. 2025 American Public Health Association Conference. Washington, DC. (poster).
7. **Zhang, C.**, Zhang, Y., Chang, W., Liu, Y. (2025). *"Fighting to Be Seen": Resilience and Resistance Among Black Individuals Living with HIV*. 2025 American Public Health Association Conference. Washington, DC. (poster).
8. **Zhang, C.**, Zhang, Y., Chang, W., Liu, Y. (2025). *Preventing Family, Community, Sexual, and Gender-Based Violence and Human Trafficking*. 2025 American Public Health Association Conference. Washington, DC. (roundtable).
9. Deng, Z., Koleck, T., **Zhang, C.**, Dresbach, C., (2025). AOUSDOHtools: An R Package for Social Determinants of Health Survey data in the All of Us Research Program. R/Medicine 2025 Conference.
10. **Zhang, C.**, Dresbach, C., Chang, W., Qiao, S., LeBlanc, N., Yang, Y., Liu, Y. (2025). Do Neighborhood-Level Stressors and Resilience Factors Impact Alcohol Use Among Sexual Minority Groups: Insights from the NIH All of Us Research Project. 6<sup>th</sup> National Big Data for Health Science Conference, Columbia, SC (oral presentation). *BMC Proceedings* 2025, 19(13):O27
11. **Zhang, C.**, Chang, W., Tang, Y., Qiao, S., Dresbach, C., Liu, Y. (2025). *Resilience, Stressors, and Intersectionality: Understanding Alcohol and Drug Use Disparities Among Sexual Minority Populations*. National Big Data Health Science Conference 2025. February 14, 2025. Columbia, SC, USA. Oral Presentation. *BMC Proceedings* 2025, 19(13):P59
12. **Zhang, C.**, Liu, Y., Yang, Y., Dresbach, C., Chang, W. (2025). *Disparities in Healthcare Discrimination Among Sexual Minority Groups: Insights from the NIH All of Us Program*. Association for Clinical and Translational Science Conference. Washington, DC. (poster presentation).
13. **Zhang, C.**, Chang, W., Liu, Y. (2025). *Understanding the Association between Alcohol Use and Neighborhood-level Factors among Sexual Minority Groups*. Association for Clinical and Translational Science Conference. Washington, DC. (poster presentation).

14. **Zhang, C.**, Liu, Y., Chang, W., Yang, Y., Dreisbach, C. (2025). *Neighborhood level Stressors, Resilience Sources and Other Characteristics Among Sexual Minority Groups*. Association for Clinical and Translational Science Conference. Washington, DC. (poster presentation).
15. Chang, W., McMahon, J., Qiao, S., **Zhang, C.** Exploring Predictors of Substance Use Among Ethnoracial Minority Gay and Bisexual Men Using Data from the NIH All of Us Research Program. National Big Data Health Science Conference 2025. February 14, 2025. Columbia, SC, USA. Poster Presentation.
16. Chang, W., LeBlanc, N., **Zhang, C.** (2024). Unhealthy Alcohol Use among Gay, Bisexual, and Other Men Who have Sex with Men: A Concept Clarification. American Psychiatric Nurse Association Conference. New York, NY (2024) (1<sup>st</sup> place award for the poster presentation).
17. **Zhang, C.**, Dreisbach, C. Liu, Y. (2024). Analysis of Social Determinants of Health among Gay, Bisexual and Men who have Sex with Men in the United States: Insights from the All of Us project. LGBTQ Annual Conference, Atlanta, GA (2024) (poster presentation).
18. **Zhang, C.**, Dreisbach, C. Liu, Y. (2024). Explore racial differences for social support, perceived stress, and everyday discrimination in the cohort of Gay, Bisexual, and Men who have Sex with Men in the United States. LGBTQ Annual Conference, Atlanta, GA (2024) (poster presentation).
19. **Zhang, C.**, Qiao, S., Wharton, M., Liu, Y. (2024). Understand neighborhood-level stressor and resilience sources, healthcare discrimination and alcohol use among sexual minority groups in the United States: Insights from the All of Us. The Society for the Scientific Study of Sexuality Conference. San Diego, CA, 2024. (oral presentation).
20. **Zhang, C.**, Dreisbach, C. (2024). Understanding Racial/Ethnic Disparity in Social Support and Everyday Discrimination Among Cisgender Women in the United States: Insights from the All of Us Dataset. All of Us Conference (oral presentation).
21. **Zhang, C.**, Wharton, M., Ficella, K., Liu, Y. (2023). Structural Racism in Black people affected by HIV/AIDS: A data mining facilitated systematic review. Association of Nurse AIDS Care conference. Oct 25-28, 2023. New Orleans, LO (oral presentation. Year of the Researcher Award).
22. Chang, W. & **Zhang, C.** Pre-Exposure Prophylaxis (PrEP) Education Channels and Needs among Primary Care Providers (PCPs) in New York State. The 2023 Association of Nurses in AIDS Care Conference. October 26-27, 2023. New Orleans, LA, USA. Poster Presentation.
23. Chang, W., **Zhang, C.**, LeBlanc, N. Application of Minority Stress Theory to Unhealthy Alcohol Use among Ethnic Minority Gay, Bisexual Men, and Other Men Who Have Sex with Men (GBMSM). The 2023 Asian American Pacific Islander Nurses Association Conference. August 25, 2023. Los Angeles, CA, USA. Poster Presentation.
24. Chang, W. & **Zhang, C.** Revisiting the Prevalence of Unhealthy Alcohol Use among Ethnic Minority Immigrant Gay, Bisexual Men, and Other Men Who Have Sex with Men (GBMSM) in North America: A Systematic Review and Meta-Analysis. The 2023 Eastern Nursing Research Society Conference. March 23, 2023. Philadelphia, PA, USA. Poster Presentation.
25. **Zhang, C.** & Liu, Y. (2022). *Understanding the association between PrEP stigma and PrEP cascade: a moderation analysis*. Association of Nurse AIDS Care Conference. Nov 17-19, 2022. Tampa, FL. (oral presentation).
26. **Zhang, C.** & Liu, Y. (2022). *You don't think about it until someone else brings it up to you": Women's Sexual Health and PrEP care at the Primary Care Settings in the United States*. Association of Nurse AIDS Care Conference. Nov 17-19, 2022. Tampa, FL. (oral presentation).
27. Muheriwa, R., Ciminelli, J., Anson, E., **Zhang, C.**, Leblanc, N. (2022). Early Sexual Debut Among Young Adolescent Boys And Girls (10-14 Years): A Determinant For Early Initiation Of Sexual Health Support In The United States. 2022 Annual Conference of the Society for the Scientific Study of Sexuality. Nov 3-6, 2022. Vancouver, BC. (oral presentation).
28. **Zhang, C.**, Przybelek, S., Braksmajer, A., Liu, Y. (2022). A Hybrid Conceptual Framework of Behavioral Intervention Technologies to Promote Healthcare Utilization Among Socially-Marginalized Populations in the United States. Fourth annual Innovations in Global Health Conference. March 2022, Rochester Institute of Technology (oral presentation).

29. Liu, Y., Mitchell, J., Przybyla, S., **Zhang, C.** (2022). Assessing the performance of HIV testing self-efficacy and relevant theoretical constructs in predicting HIV testing intention among young men who have sex with men in two US urban areas. *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (ePoster+ recorded presentation).
30. Liu, Y., Mitchell, J., **Zhang, C.** (2022). Low uptake of exposure-influenced HIV testing among a sample of pre/post-exposure prophylaxis (PrEP/PEP) naïve young men who have sex with men in two U.S. cities: implication for targeted interventions. *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (ePoster+ recorded presentation).
31. Liu, Y., Mitchell, J., **Zhang, C.** (2022). Assessing the moderating effect of descriptive PrEP norms on the association between PrEP-related stigma and PrEP use among young men who have sex with men in two U.S. cities. *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (ePoster+ recorded presentation).
32. **Zhang, C.**, Przybelek, S., Liu, Y. (2022). "PrEP Discussion Paradox" at primary care settings: perspectives regarding PrEP care from patients and healthcare providers. *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (ePoster+ recorded presentation).
33. **Zhang, C.**, Przybelek, S., Liu, Y. (2022). Primary care providers' perspectives regarding PrEP care at primary care settings: a qualitative analysis. *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (poster presentation).
34. **Zhang, C.**, Przybelek, S., Liu, Y. (2022). Has the COVID-19 Pandemic changed the quality of patient-provider communication regarding PrEP care? *International AIDS Conference, July 29-August 2 2022. Montreal, Canada* (ePoster+ recorded presentation).
35. **Zhang, C.**, Liu, Y. (2019). Pre-exposure Prophylaxis Care Implementation among Health Professionals in the United States: implications from a systematic review. *Adherence 2019. June 14-16 2019. Miami, FL. (Presentations)*
36. LeBlanc, N. Crean, H., **Zhang, C.**, Nelson, L. (2019). Group Differences of Main Partners on Ecological and Syndemic Factors and Situational Sex among US Black MSM: A Secondary Data Analysis. *Association in Nurses in AIDS Care 2019. Nov 7-9, 2019. Portland, OR.* (oral presentation).
37. **Zhang, C.**, Liu, Yu (2019). Understanding "Purview Paradox" in the Implementation of Pre-Exposure Prophylaxis Care in the United States. *Association in Nurses in AIDS Care 2019. Nov 7-9, 2019. Portland, OR.* (oral presentation).
38. **Zhang, C.**, Liu, Yu (2019). A neglected role of nursing cohort in HIV pre-exposure prophylaxis care implementation in the United States. *American Public Health Association, 2019. Nov 2-6, 2019. Philadelphia, PA.* (poster presentation).
39. Lambert, F., **Zhang, C.**, Brakesmajor, A., McMahon, J. (2019). Childhood Trauma Experiences and HIV-Related Symptoms in HIV-Positive Heterosexual Men. *31st Annual ENRS Scientific Sessions. April 3-5 2019. Providence, RI.* (poster presentation).
40. Leblanc, NM, Crean, HF, **Zhang, C.**, Dyer, TP, McMahon, J, Nelson, LE. (2018). Investigating the Role of Ecological and Syndemic Factors on Threats to Sexual Health among US Black Men who have Sex with Men: A Secondary Data Analysis *APHA Conference 2018. Session 2109.0: SRH Section Poster Session: Other Issues in Sexual and Reproductive Health Part I (ID=55623). Abstract ID: 421786. San Diego, CA* (Poster presentation)
41. Leblanc, NM, Crean, HF, **Zhang, C.**, Dyer, TP, McMahon, J, Nelson, LE. (2018). Ecological Factors and Sexual Health Outcomes in US Black Men who have Sex with Men: A Secondary Data Analysis. *2018 National CFAR Scientific Symposium Meeting. Nov. 7, 2018. Atlanta, GA* (oral presentation)
42. Leblanc, NM, Crean, HF, **Zhang, C.**, Dyer, TP, McMahon, J, Nelson, LE. (2018). Threats to Sexual Health: Investigating the Role of Ecological and Syndemic Factors among US Black Men who have Sex with Men (A Secondary Data Analysis). *University of Rochester School of Nursing Grandrounds. Nov. 14, 2018 Rochester, NY* (oral presentation)
43. Leblanc, NM, Crean, HF, **Zhang, C.**, Dyer, TP, McMahon, J, Nelson, LE. (2018). Investigating the Role of Ecological and Syndemic Factors on Threats to Sexual Health among US Black Men who

- have Sex with Men: A Secondary Data Analysis. University of Rochester CFAR World AIDS Day 2018 - Scientific Symposium. November 30, 2018 Rochester, NY (poster presentation)
44. Leblanc, NM, Crean, HF, **Zhang, C**, Dyer, TP, McMahon, J, Nelson, LE. Investigating the Role of Ecological and Syndemic Factors on Threats to Sexual Health among US Black Men who have Sex with Men: A Secondary Data Analysis. University of Rochester CFAR World AIDS Day 2018 - Scientific Symposium. November 30, 2018 Rochester, NY (poster presentation)
  45. **Zhang, C.**, Liu, Y., Babu, T., Urban, M. & Gangat, M. Exploring Predictive Factors of "Time to HIV Diagnosis since Last Pre-HIV Medical Visit". World AIDS Symposium, Rochester, NY. Nov 30 2018.
  46. **Zhang, C.**, Liu, Y., Babu, T., Urban, M. & Gangat, M. Exploring Predictive Factors of "Time to HIV Diagnosis since Last Pre-HIV Medical Visit". APHA Annual Meeting and Expo. San Diego, CA. Nov 10-14 2018.
  47. **Zhang, C.**, Liu, Y. PrEP care cascade among drug-using women in the U.S.: a systematic review and meta-analysis. APHA Annual Meeting and Expo. San Diego, CA. Nov 10-14 2018.
  48. **Zhang, C.**, Li, X., Liu, Y., Shen, Z., Zhou, Y. Impacts of HIV stigma on psychosocial well-being and behaviors of substance use among people living with HIV/AIDS in China: Age difference. URMCFAR World AIDS Day Conference, Dec 1 2017. Rochester, NY.
  49. Qiao, S., Li, X., Zhou, Y., Shen, Z., **Zhang, C.** Health care access affects medication adherence and quality of life among people living with HIV/AIDS in South China. The 144rd APHA Annual Meeting and Exposition, October 29 - November 2, 2016 in Denver.
  50. **Zhang, C.**, Li, X., Zhou, Y., Chen, Y., Qiao, S., Liu, Y., Shen, Z. Exploring predictors of concurrent infections among people living with HIV/AIDS in Southwest China. The 144rd APHA Annual Meeting and Exposition, October 29 - November 2, 2016 in Denver.
  51. **Zhang, C.**, Liu, Y. A transition from intention to action: A conceptual framework of voluntary medical male circumcision among Chinese men who have sex with men in China. The 144rd APHA Annual Meeting and Exposition, October 29 - November 2, 2016 in Denver.
  52. **Zhang, C.**, Li, X., Zhou, Y., Chen, Y., Liu, Y., Shen, Z., & Qiao, S. Prevalent coinfections and corresponding sequela among people living with HIV/AIDS in China: A warning alarm! The 144rd APHA Annual Meeting and Exposition, October 29 - November 2, 2016 in Denver.
  53. Zhou, Y., **Zhang, C.**, Li, X., Liu, Y., Qiao, S., Shen, Z., & Chen, Y. (2016). The predictive power of stigma on substance use and sexual risk behaviors among people living with HIV/AIDS in Southwest China. AIDS 2016 Conference. Durban, South Africa, July 18-22, 2016.
  54. **Zhang, C.** Coinfection of TB, HBV and HCV in a cohort of PLWHA in China: predictors and sequelae. 1st Conference of China Health Policy and Management Society (CHPAMS). Atlanta, GA. May 13-14, 2016.
  55. Chi, P., **Zhang, C.**, Du, H., & Li, X. (2016, January, 16-17). Psychosocial Interventions for Children Affected by Parental HIV/AIDS: A Meta-Analytic Review. Poster presented at the BeHealth Conference 2016 (Hong Kong Society of Behavioral Health), Hong Kong
  56. Li X, Zhang L, Zhou Y, Qiao S, **Zhang, C.**, Chen Y, Lin Z, Stanton B. Timing of initiation of antiretroviral therapy related to hepatitis C among people living with HIV in Guangxi, China. The 143rd APHA Annual Meeting and Exposition, October 31 - November 4, 2015 in Chicago.
  57. Qiao S, Li X, **Zhang, C.**, Zhou Y, Shen Z, Clinical outcomes, emotional management, and medicine adherence among HIV patients in China. The 143rd APHA Annual Meeting and Exposition, October 31 - November 4, 2015 in Chicago.
  58. **Zhang, C.**, Li X, Liu Y, Qiao S, Zhang L, Su S. A proxy measure of genetic predisposition of drinking predicting alcohol use among female sex workers in China. The 143rd APHA Annual Meeting and Exposition, October 31 - November 4, 2015 in Chicago.
  59. **Zhang, C.**, Li, X., Chen, Y., Qiao, S., Zhang, L. Predictive model of exploring factors that associated with stigma against people living with HIV in China. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.

60. **Zhang, C.**, Li, X., Qiao, S., Chen, Y. Stigma against people living with HIV/AIDS in China: does the route of infection matter? AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
61. **Zhang, C.**, Li, X., Chen, Y., Qiao, S., Zhang, L. A continuum of burden as the sequelae of stigma against people living with HIV/AIDS in China. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
62. Li, X., Qiao, S., **Zhang, C.**, Zhou, Y., Shen, Z., & Tang, Z. Using a socio-ecological approach to identify factors influencing partner HIV disclosure. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
63. Qiao, S., Li, X., **Zhang, C.**, Zhou, Y., Shen, Z., & Tang, Z. Family communication, parental self-disclosure, and parental HIV disclosure. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
64. Li, X., Qiao, S., **Zhang, C.**, Zhou, Y., Tang, Z. Clinical outcomes, emotional management, and medicine adherence among HIV patients in China. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
65. Zhang, L., Li, X., Qiao, S., Zhou, Y., **Zhang, C.**, Chen, Y., Lin, Z., Stanton, B. Reproductive health needs of women infected with HIV in Guangxi, China. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
66. Zhang, L., Li, X., Qiao, S., Zhou, Y., **Zhang, C.**, Chen, Y., Lin, Z., Stanton, B. Contraceptive use among people living with HIV in Guangxi, China. AIDS IMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
67. Li X, Qiao S, Chen Y, **Zhang, C.** Zhou Y, Shen Z, Tang Z. Using a socio-ecological approach to identify factors influencing partner HIV disclosure. Oral presentation. AIDSIMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
68. Li X, Qiao S, Chen Y, **Zhang, C.** Zhou Y, Shen Z, Tang Z. Clinical outcomes, emotional management, and medicine adherence among HIV patients in China. Oral presentation. AIDSIMPACT Conference, Amsterdam, Netherlands. July 28-July 31, 2015.
69. **Zhang, C.**, Li, X., Su, S. Zhang, L. Exploring relationship between female sex workers and gatekeepers in China. 142nd APHA. APHA Annual Convention, New Orleans, November 15 - November 19, 2014.
70. Su, S., Li, X., **Zhang, C.**, Qian, S., Zhou, Y. Condom use among female sex workers in China: Roles of gatekeepers and venues. 142nd APHA Annual Convention, New Orleans, November 15 - November 19, 2014.
71. Su S, Li X, Zhang L, Lin D, Qiao S, **Zhang C.** Zhou Y. Age group differences in HIV risks and mental health problems among female sex workers in Southwest China. 122nd APA Annual Convention. Washington DC, USA, Aug. 7-10, 2014.
72. **Zhang, C.**, Li, X., Qiao, S., & Zhang, L. Are information sources associated with the HIV-related knowledge among low-paying female sex workers in China? The 140th APHA Annual Meeting and Expo, Boston, MA, November 2-6, 2013.
73. **Zhang, C.**, Li, X., Qiao, S., Zhang, L., & Chi, P. Unprotected sex with their clients among low-paying female sex workers in Southwest China. The 140th APHA Annual Meeting and Expo, Boston, MA, November 2-6, 2013.
74. Qiao, S., Li, X., & **Zhang, C.** Fear of low-paying female sex workers and its implications in HIV prevention. The 140th APHA Annual Meeting and Expo, Boston, MA, November 2-6, 2013.
75. Li, X., **Zhang, C.**, Hong, Y., Su, S., Zhou, Y. Relationship between female sex workers and gatekeeper: the impacts on female sex worker's mental health in China. AIDS Impact Conference 2013, Barcelona, Spain, Sep 29-Oct 2, 2013.
76. Li, X., **Zhang, C.**, Hong, Y., Zhou, Y., Qiao, S. Psychological stressors in the context of commercial sex among female sex workers in China. AIDS Impact Conference 2013, Barcelona, Spain, Sep 29-Oct 2, 2013.

77. **Zhang, C.**, Li, X., Hong, Y. Misses and Mommies”: Relationship of Female Sex Workers and Their Gatekeepers and its Implications for HIV/STI Prevention. 13th Annual American Academy of Health Behavior Meeting in Santa Fe, New Mexico, March 17-20, 2013.
78. **Zhang, C.**, Li, X., Hong, Y. Moving beyond sexual health: Psychosocial distress in venue-based female sex workers in China. 13th Annual American Academy of Health Behavior Meeting in Santa Fe, New Mexico, March 17-20, 2013.
79. Li, X., Zhang, L., Wang, B., **Zhang, C.**, Stanton, B. A structural equation model of perceived stigma, alcohol use, partner violence, and depressive symptoms among female sex workers in China. APHA 140th Annual Meeting and Exposition, San Francisco, CA, October 27-31, 2012.
80. Li, X., Zhang, L., Kaljee, L., **Zhang, C.**, Zhou, Y., Stanton, B. Associations of depression, substance use, self-efficacy and future control with sexual risk behavior among female sexual workers in China. APHA 140th Annual Meeting and Exposition, San Francisco, CA, October 27-31, 2012.
81. **Zhang, C.**, Li, X., Hong, Y., Stanton, B., Zhang, L., Wang, B., Zhou, Y. Concurrent sexual relationship among male clients of female sex workers in China. APHA 140th Annual Meeting and Exposition, San Francisco, CA, October 27-31, 2012.
82. **Zhang, C.**, Li, X., Hong, Y., Wang, B., Stanton, B., Liu, W. Perceived HIV risks, types of sexually transmitted diseases, and discordant infection status among low-tier female sex workers in China. APHA 140th Annual Meeting and Exposition, San Francisco, CA, October 27-31, 2012.
83. Shen, Z. Li, X., **Zhang, C.**, Lin, M., Zhou, Y., Liu, W., Stanton, B. (2012). HIV prevention intervention services among FSWs in Guangxi China: Evidence from 2010 Sentinel Surveillance Data. XIX International AIDS Conference, Washington, DC. US, July 22-27, 2012.
84. Zhou, Y., Li, X., Kaljee, L., Zhang, L., **Zhang, C.**, Stanton B. “Predictors of condom use with casual and stable sexual partners among Chinese female sex workers based on the Protection Motivation Theory”. XIX International AIDS Conference, Washington, D.C., 22-27 July 2012.
85. **Zhang, C.**, Li, X., Zhou, Y., Wu, D., Guo, G., Pan, D., Zhang, Z., Wen, X. (2012). Prevalence and correlates of vaginal douching among low-tier female sex workers in China. XIX International AIDS Conference, Washington, DC. US, July 22-27, 2012.
86. Guo, W., Li, X., **Zhang, C.**, Qiao, S., Wen, X., Lin, M., Wang, B. (2012). High rates of HIV and syphilis infection among older and low-tier FSWs in Guangxi China: Evidence from 2011 national Sentinel Surveillance Data. XIX International AIDS Conference, Washington, DC. US, July 22-27, 2012.
87. Li, X., **Zhang, C.**, Liu, W., Zhou, Y. (2012). HIV risk factors of low-tier FSW and their Clients in China. The Frontier of HIV/AIDS Research in China. Georgetown’s HIV/AIDS Research in China conference. DC Washington, US, July 21, 2012.
88. **Zhang, C.**, Li X., Hong Y., Zhou Y., Wu D., Guo W., Qiao S. (2012). Factors associated with HIV and sexually transmitted diseases among a sample of male clients of low-tier female sex workers in China. Georgetown’s HIV/AIDS Research in China conference. DC Washington, US, July 21, 2012.
89. **Zhang, C.**, Li X., Hong Y., Guo W., Pan D., Chen Y., Wu D. (2012). Reasons for involving in sex work and HIV risks among low-tier female sex workers in China. Georgetown’s HIV/AIDS Research in China conference. DC Washington, US, July 21, 2012.
90. Li, X., **Zhang, C.**, Chi, P., Chen, Y., Hong, Y., Wang, B., Liu, W., Zhou, Y. (2012). Female Sex Workers and Gatekeeper’s Affective Relationship: Validating a Brief Measurement Scale. 2012 APS Annual Convention, May 24 - 27, 2012, Chicago, IL, USA.
91. Li, X., Zhang, L., Kaljee, L., **Zhang, C.**, Zhou, Y., Stanton, B. (2012). Female Sex Workers and Gatekeeper’s Affective Relationship: Validating a Brief Measurement Scale. 2012 APS Annual Convention, May 24 - 27, 2012, Chicago, IL, USA.
92. Li, X., Zhang, L., Zhou, Y., Kaljee, L., **Zhang, C.**, Stanton, B. “Sexually transmitted infection and depressive symptoms among adolescent female sex workers in China”. 2012 APS Annual Convention, Chicago, IL, May 24 - 27, 2012.

93. **Zhang, C.**, Hong, Y., Li, X. (2011). Innovative technology based interventions in China: A systematic literature review. Health System Reform in Asia 2011 Conference, Hong Kong, China, December, 2011.
94. **Zhang, C.**, Hong, Y., Li, X., & Wang, B. Relationship between intimate partner violence and stable partner characteristics among female sex workers in China (APHA 2011). The 139th APHA Annual Meeting and Expo, Washington DC., U.S., October 29-November 2, 2011
95. **Zhang, C.**, Hong, Y., Li, X., Zhang, Y., & Wang, B. Three types of partner violence and effects on HIV risks among female sex workers in China (APHA 2011). The 139th APHA Annual Meeting and Expo, Washington DC., U.S., October 29-November 2, 2011
96. Hong, Y., **Zhang, C.**, Li, X., Fang, X., & Wang, B. Psychosocial distress of female sex workers in China: A qualitative investigation (APHA 2011). The 139th APHA Annual Meeting and Expo, Washington DC., U.S., October 29-November 2, 2011
97. Wang, B., Li, X., Stanton, B., Hong, Y., **Zhang, C.**, Fang, X. Online sex-seeking and sexual risk behaviors among men who have sex with men (MSM) in China. The 139th APHA Annual Meeting and Expo, Washington DC, October 29-November 2, 2011.
98. Wang, B., Li, X., Stanton, B., Hong, Y., **Zhang, C.**, Fang X. Online sex-seeking and sexual risk behaviors among men who have sex with men (MSM) in China. 2011 AIDS-Impact Conference, Santa Fe, New Mexico, September 12-15, 2011.
99. Hong, Y., **Zhang, C.**, & Li, X. (2011). Alcohol abuse and sexual victimization among female sex workers in China. 19th International Society for STD Research (ISSTD), Quebec City, Canada, July 10-13, 2011.
100. Li, X. & **Zhang, C.** Alcohol abuse, psychosocial distress and HIV risks among female sex workers in China: a mediation analysis. Westlake Forum III: Healthcare Reform in China and the US: Similarities, Differences and Challenges, Atlanta, U.S., April 10-12, 2011.
101. Hong, Y., **Zhang, C.**, Li, X., Fang, X., Lin, X. Club-drug use among female sex workers in China: an exploratory analysis. 11th Annual Scientific Meeting of the AAHB, Hilton Head, South Carolina, U.S., March 20-23, 2011.
102. **Zhang, C.**, Hong, Y., Li, X. Alcohol abuse among female sex workers in China: the role of working environment. 11th Annual Scientific Meeting of the AAHB, Hilton Head, South Carolina, U.S., March 20-23, 2011.
103. **Zhang, C.**, Li, X., Guo, Y., Zhou, Y., Liu, W., Lin, X., Fang, X., Hong, Y. Alcohol abuse and mental health problems among female sex workers in Southwest China. International Conference on Interdisciplinary HIV/STD Research in China, Guangzhou, China, March 25-27, 2011.
104. Zhang, L., **Zhang, C.**, Hong, Y., Li, X. Stigma against female sex workers and associated sexual risks. The 138th APHA Annual Meeting and Expo, Denver, CO, U.S., November 6-10, 2010.
105. **Zhang, C.**, Hong, Y., Zhou, Y., Liu W., Li, X. Female sex workers and gatekeeper relationship: development of a culturally appropriate scale. The 138th APHA Annual Meeting and Expo, Denver, CO, U.S., November 6-10, 2010.
106. **Zhang, C.**, Hong, Y., Li, X. Female sex workers' stable sexual partners: a hidden population at high risk of HIV transmission. The 138th APHA Annual Meeting and Expo, Denver, CO, U.S., November 6-10, 2010.
107. Hong, Y., **Zhang, C.** Li, X., Fang, X., Lin, X. (2010). Internet use among female sex workers in China: implications for HIV/STI prevention. 9th International Conference on Urban Health. New York, U.S., October 27-29, 2010.
108. **Zhang, C.**, Hong, Y., Li, X. (2010). Intimate partner violence and mental health among female sex workers in China. 9th International Conference on Urban Health. New York, U.S., October 27-29, 2010.
109. **Zhang, C.**, Hong, Y., Wang, B., Li, X. Alcohol abuse and sexual risks among female sex workers. XVIII International AIDS Conference, Vienna, Austria, July 18-23, 2010.



110. Li, X., Hong, Y., Lin, X., **Zhang, C.**, Fang X. Intimate partners violence and HIV/STI related risks among female sex workers in China. XVIII International AIDS Conference, Vienna, Austria, July 18-23, 2010.
111. Lin, X., Hong, Y., **Zhang, C.**, Li, X. HIV testing among female sex workers in China. XVIII International AIDS Conference, Vienna, Austria, July 18-23, 2010.
112. **Zhang, C.** Relationship of female sex workers and gatekeepers: Implications for HIV/STD prevention. 137th APHA Annual Meeting, Philadelphia, PA, USA, November 7-11, 2009.
113. **Zhang, C.** Evaluation of a school-based injury prevention intervention in Beijing, China. 137th APHA Annual Meeting, Philadelphia, PA, USA, November 7-11, 2009.
114. Hong, Y & **Zhang, C.** Relationship of gatekeeper and female sex workers: implications for HIV/STD prevention intervention. Presentation at National Institute of Alcohol Abuse and Alcoholism (NIAAA) Guangxi Venue-Based Alcohol and HIV Risk Reduction Intervention Workshop, Guilin, China, July 15-22, 2009.
115. **Zhang, C.** School Health Education in Beijing. Presentation at Protecting the Vulnerable: Children in Disasters Program Workshop (Asia-Australia Mental Health Center), Beijing, China, July, 25-26, 2007

### **PACKAGES AND SOFTWARE:**

Deng, Z., Koleck, T., Dreisbach, C., **Zhang, C.**, Higgins P. (2025). All of Us Social Determinants of Health Tool (r-packages.io/packages/AOUSDOHtools).

### **BOOK CHAPTERS**

- Vermund, S., **Zhang, C.**, Gorgens, M. (2014). Chapter 10: The essence of HIV prevention evaluation of the Handbook of HIV for the World Bank. World Bank, Washington, DC., U.S.
- **Zhang, C.**, Vermund, S. (2018). South, Southeast, and East Asia, specific characteristics of HIV/AIDS epidemic. Encyclopedia. Springer Reference. DOI: 10.1007/978-1-4614-9610-6\_172-1. In book: Encyclopedia of AIDS, pp.1-14

### **CONFERENCE PROCEEDINGS**

- **Zhang, C.**, Dreisbach, C., Chang, W., Qiao, S., LeBlanc, N., Yang, Y., Liu, Y. (2025). Do Neighborhood-Level Stressors and Resilience Factors Impact Alcohol Use Among Sexual Minority Groups: Insights from the NIH All of Us Research Project. *Biomedical Central Proceedings (Springer Nature)* (in press).
- **Zhang, C.**, Chang, W., Tang, Y., Qiao, S., Dreisbach, C., Liu, Y. (2025). Resilience, Stressors, and Intersectionality: Understanding Alcohol and Drug Use Disparities Among Sexual Minority Populations. *Biomedical Central Proceedings (Springer Nature)* (in press).

### **TEACHING**

University of Rochester Medical Center	NUR 467: Population Health and Theory	2025
University of Rochester Medical Center	NUR 510: Applied Statistics 1	2024~present
University of Rochester Medical Center	NUR 512: Applied Statistics 2	2018~present
University of Rochester Medical Center	NUR 401: Scientific Writing	2023
University of Rochester Medical Center	NUR590: PhD Dissertation Workshop	2023~2024
Emory Global Health Institute –China Tobacco Control Program Summer Intern Seminar		2012

### **GUEST LECTURES**

University of Rochester Medical Center	PM451: Dynamic Model Application for Infectious Disease	2017-2023
University of Rochester Medical Center	NUR507: Research Appraisal and Synthesis	2020-2021

University of Rochester Medical Center	NUR590: Dissertation Workshop	2022
University of Texas at Austin	N 397L.4 – Critical Review of the Literature	2023-2025

### MENTORING

- Shelby Przybylek's Research Assistant Project titled "A conceptual model paper: discover the hybrid model in PrEP care among Women of Color" (2022)
- Wonkyung Chang (PhD, 2021-2025). Dissertation committee chair for Chang's Dissertation titled "Discrimination, Stress, and Unhealthy Alcohol Use, Substance Use Among Ethnoracial Minority Gay, Bisexual and Other MSM". The American Psychiatric Nurses Association funded Wonkyung's dissertation research.
- Xinjian Yao (MPH at Department of Public Health Science, 2022-2025). Committee member for Yao's thesis titled "Exploring the Association Between Alcohol Misuse and Sexual Orientation Disclosure to Healthcare Providers Among Young Men Who Have Sex With Men in Two US Cities".
- Shelby Przybylek (PhD student at School of Nursing, 2022). Research Assistant Project titled "A conceptual model paper: discover the hybrid model in PrEP care among Women of Color" (2022)
- Yao Tang (Master student at the Department of Computer Science, 2024~present). Research Assistant for multiple projects (e.g., a manuscript titled "Predictive Modeling for Alcohol and Drug Use among Sexual Minority Groups: Insights from the Generation Study").

### SERVICE

#### School-Level

Reviewer	Experiential Learning Summit	2025
Committee Member	Faculty Examining Team for Ph.D. Qualifying Exam	2020~present
Committee Member	Diversity, Equity, and Inclusiveness subcommittee	2020-2022; 2023~present
Committee Member	Taskforce for PhD Program Statistics	2023
Committee Member	Ph.D. Subcommittee	2021~2023
Committee Member	Search Committee for Senior Administrator of Research	2021

#### University-Level

Volunteer	Gorgen Institute of Data Science and Artificial Intelligence	2025
Member	Office of Health Equity Research Youth Advisory Board	2023-2024

#### National-Level

Grant Reviewer	University of South Carolina Big Data Health Science Center	2021-2022
Committee Member	Diversity, Engagement and Inclusiveness Committee, Association of Nurses in AIDS Care	2022-2025
Committee Member	Awards Committee, Association for Clinical and Translational Science	2023-2025
Committee Chair	Awards Committee, Association for Clinical and Translational Science	2025~present
Committee Member	National Big Data Health Science Conference	2025~present
Reviewer	NIH Population and Public Health Approach to HIV (PPAH) Study Session	2023
Reviewer	National Institute of Mental Health	2024~present

#### International-Level

Reviewer	Association of Nursing in AIDS Care conference	2017~present
Reviewer	American Public Health Association conference	2017-2023
Mentor	International AIDS Society Conference Abstract Mentoring Program	2016-2022
Associate Editor	BMC Public Health	2019-2024

Moderator	International Symposium on Health Development of Vulnerable Populations	2021
Guest Editor	Special Issue “HIV Testing, Prevention and Care Cascade” for Tropical Medicine and Infectious Disease (ISSN 2414-6366)	2022
Associate Editor	Frontier in Medicine	2022~present

#### REFeree SERVICES FOR RESEARCH JOURNALS

- *Journal of International AIDS Society*
- *BMJ-Open*
- *BMC Public Health/Women Health/Infectious Diseases*
- *Journal of Current HIV Research*
- *AIDS Care*
- *Health Psychology and Behavioral Medicine*
- *AIDS and Behavior*
- *Bulletin of the World Health Organization*
- *Psychology, Health & Medicine*
- *Violence Against Women*
- *Journal of Child and Adolescent Behavior*
- *Scientific Reports*
- *Journal of Nursing & Care*
- *Social Science & Medicine*
- *Journal of women’s health care*
- *Sexually transmitted disease*
- *Current HIV research*
- *Women and Health*
- *Sexuality Research and Social Policy*
- *Substance use and misuse*
- *Journal of Community Medicine & Health Education*
- *Journal of Community & Public Health Nursing*
- *Lancet Global Health/ HIV*
- *AIDS*

#### PROFESSIONAL ASSOCIATIONS

American Public Health Association, Member	June 2009~ present
International AIDS Society, Member	June 2010~ present
Association of Nurses in AIDS Care, Member	November 2018~ present