

CURRICULUM VITAE

Jun Tao, Ph.D.

Address: 11Fourth Street, Room 130, Providence, RI, 02906

Phone: 401-793-3299

Email Address (Primary): jun_tao@brown.edu

Email Address (Personal): barbaratao@gmail.com

EDUCATION

Undergraduate	Tianjin Medical University, Tianjin, China, Preventive Medicine, M.B., 2009
Graduate	Chinese Center for Disease Control and Prevention, Beijing, China, Immunology, MS, 2012
Graduate	Vanderbilt University, Nashville, TN, United States, Epidemiology, Ph.D., 2016

POSTGRADUATE TRAINING

Postdoctoral fellow	University of Arkansas for Medical Sciences, 4301 W Markham St., Little Rock, AR, 72205, Epidemiology, September 2016-March, 2018
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POSTGRADUATE HONORS AND AWARDS

Travel award	Geographic Management of Cancer Health Disparities Program (GMAP) Region 2, 2017
Granting training award	Geographic Management of Cancer Health Disparities Program (GMAP) Region 2, Navigate Your Way to a K Award, Targeted Training Workshop, Moffitt Cancer Center, June 16-1, 2017
Scholarship award	International AIDS Society, scholarship for attending the 8th IAS conference, July 19-23, 2015

ACADEMIC APPOINTMENTS

Assistant Professor of Medicine (Primary appointment),
Warren Alpert Medical School
Brown University, 2018-present
Assistant Professor of Epidemiology (Secondary appointment),
Brown University School of Public Health, 2021-present

HOSPITAL APPOINTMENTS

Research Scientist, The Miriam Hospital, 2018-present

MEMBERSHIP IN SOCIETIES

International AIDS Society, 2015-present
Society for Epidemiologic Research, 2017-present
American Public Health Association (APHA), current

OTHER ACADEMIC

NIH Grant Review Panel

2024 UG3-UH3 LITE-LA, NIAID (RFA-AI-009)
 2024-2025 Rare Disease U54 Applications, Multiple ICs (PAR-24-206)
 2022 HIV Molecular Virology, Cell Biology, and Drug Development Study Section (HVCD), a
 study section under the NIH's Center for Scientific Review
 2025 Sectional editor: *Frontiers in Public Health*

PUBLICATIONS LIST

1. **Tao J**, Pavlick E, Grondin A, Bustamente JD, Martin H, Parent H, Fenn N, Almonte A, Maguire-Wilkerson A, Gu M, Rusley J, Perler B, Wray T, Nunn AS, Chan PA, Evaluation of an Artificial Intelligence Conversational Chatbot to Enhance HIV Pre-Exposure Prophylaxis Uptake: Development and Usability Internal Testing, *JMIR*, (accepted in October 2025)
2. Gu M, Martinez RG, Parent H, Marshall BDL, Berk J, Elwy AR, Chan PA, **Tao J**. Integrating HIV prevention services into care settings for people with opioid use disorder (OUD): a study protocol for implementation strategy development and modeling. *Implement Sci Commun*. 2025 Sep 1;6(1):93. doi:10.1186/s43058-025-00782-1. PMID: 40887661; PMCID: PMC12400686.
3. Wilkerson AM, **Tao J**, Chan PA. Sexually Transmitted Infections and Risk of Human Immunodeficiency Virus Transmission. *Curr HIV/AIDS Rep*. 2025 Jun;22(1):40. doi: 10.1007/s11904-025-00749-w. PMID: 40601156.
4. **Tao J**, Maguire-Wilkerson A, Rusley J, Wray T, Chan PA. Implementing conversational artificial intelligence technology for the prevention of HIV and other sexually transmitted infections in real-world settings. *AIDS*. 2025 Mar 1;39(3):324-327. Epub 2025 Jan 30. PMID:39878675.
5. Chan PA, Goedel WC, Li Y, Mena L, Patel RR, Marshall BDL, Yelena M, Ward L, Underwood A, Johnson CJ, Gomillia CE, Almonte A, **Tao J**, Curoe K, Villalobos J, Nunn AS. Impact of Social Determinants of Health on Pre-exposure Prophylaxis Care for HIV Prevention. *J Acquir Immune Defic Syndr*. 2025 Jan 9.
6. Vargas SE, **Tao J**, Almonte AA, Ramirez L, Chan PA. Increasing Incidence of Gonorrhea at an Urban STI Clinic in the United States. *R I Med J* (2013). 2024 Mar 1;107(3):26-31. PMID: 38412351; PMCID: PMC11262805.
7. Chan PA, Malyuta Y, Parent H, **Tao J**, Erbe M, Salhaney P, Maynard M, DeWitt W, Reisopoulos A, Nunn A. Early adopters of doxycycline as post-exposure prophylaxis to prevent bacterial sexually transmitted infections in a real-world clinical setting. *Sex Transm Infect*. 2024 Aug 19;100(6):339-342. doi:10.1136/sextrans-2024-056152. PMID: 38821877.
8. Toma E, Malyuta Y, Salhaney P, Nunn A, Maynard M, **Tao J**, Suttan Coats C, Chan PA. Implementing Point of Care Sexually Transmitted Infections Testing in a Community Clinic Setting. *Sex Transm Dis*. 2024 Apr 1;51(4):251-253. doi:10.1097/OLQ.0000000000001943. Epub 2024 Jan 26. PMID: 38301625.
9. Chan PA, Le Brazidec DL, Cormier K, Almonte A, Napoleon S, Chambers LC, **Tao J**, Bertrand TE. Integration of Partner Notification Services at a Sexually Transmitted Infections Clinic. *R I Med J* (2013). 2024 Apr 1;107(4):36-39. PMID: 38536139.
10. **Tao J**, Gu M, Galarraga O, Kapadia J, Martin H, Parent H, Chan PA. Long-Term HIV Pre-Exposure Prophylaxis Persistence and Reinitiation in Connecticut from 2012 to 2018. *Popul Health Manag*. 2024 Aug;27(4):267-274. doi: 10.1089/pop.2024.0012. Epub 2024 Jul 9. PMID: 38980808.
11. Le Brazidec DL, Cormier K, Almonte A, Napoleon S, Chambers LC, **Tao J**, Bertrand TE, Gummo CL, Beltrami J, Kinsey J, Maguire-Wilkerson A, Chan PA. Pre-Exposure Prophylaxis Care Cascade Among Men Who Have Sex with Men Engaging in Partner Notification Services at a Sexually Transmitted Infections Clinic. *AIDS Res Hum Retroviruses*. 2024 Jul;40(7):435-438. doi: 10.1089/aid.2023.0097. Epub 2024 Mar 18. PMID: 38497559; PMCID: PMC11251867.
12. **Tao J**, Parent H, Karki I, Martin H, Marshall SA, Kapadia J, Nunn AS, Marshall BDL, Raymond HF, Mena L, Chan PA. Perspectives on a peer-driven intervention to promote pre-exposure prophylaxis (PrEP) uptake among men who have sex with men in southern New England: a qualitative study.

- BMC Health Serv Res. 2024 Sep 4;24(1):1023. doi: 10.1186/s12913-024-11461-7. PMID: 39232755; PMCID: PMC11376045.
13. Marshall SA, **Tao J**, Horton HK, Montgomery MC, Baloh J, Gu M, Mabin C, Cima M, Nunn AS, Chan PA, Zaller ND. Barriers and facilitators to HIV care engagement: Recommendations from people with HIV in rural Arkansas. *J Rural Health*. 2023 Mar;39(2):459-468. doi: 10.1111/jrh.12717. Epub 2022 Oct 6. PMID: 36203209; PMCID: PMC10038810.
 14. **Tao J**, Sosnowy C, Arnold T, Kapadia J, Parent H, Rogers BG, Almonte A, Chan PA. Perspectives of a peer-driven approach to improve pre-exposure prophylaxis and HIV prevention among Black/African American and Hispanic/Latino men who have sex with men. *Sex Health*. 2023 Aug 3. doi: 10.1071/SH23072. Epub ahead of print. PMID: 37532286.
 15. **Tao J**, Kapdia J, Fenn N, Almonte AA, Toma E, Murphy M, Nunn AS, Su LJ, Chan PA, Human Papillomavirus vaccination coverage among sexually active young adults aged 18 to 26 at a sexually transmitted infections clinic. *International Journal of STD&AIDS*, 2022 0(0)1-7.
 16. Rusley JC, **Tao J**, Koinis-Mitchell D, Rosenthal AE, Montgomery MC, Nunez H, Chan PA, Trends in Risk Behaviors and Sexually Transmitted Infections among Youth Presenting to a Sexually Transmitted Infection Clinic, 2013-2017, the *International Journal of STD & AIDS*, 2022 Jun;33(7):634-640. doi:10.1177/09564624221077785. Epub 2022 Apr 6. PMID: 35387518; PMCID: PMC9188998.
 17. Martha S, **Tao J**, McCarthy M, Flanigan TP, Evaluating Barriers to Viral Suppression among People with HIV in Santiago, Dominican Republic. *J Int Assoc Provid AIDS Care*. 2022 Jan-Dec;21:23259582221096522. doi: 10.1177/23259582221096522. PMID: 35532067; PMCID: PMC9092578
 18. **Tao J**, Aristotelidis R, Zanowick-Marr A, Chambers LC, McDonald J, Mylonakis EE, Chan PA. Evaluation of the Treatment Efficacy and Safety of Remdesivir for COVID-19: a Meta-analysis. *SN Compr Clin Med*. 2021 Aug 7:1-12. doi:10.1007/s42399-021-01014-y. PMID: 34396045; PMCID: PMC8346348.
 19. Murphy M, Dhrolia I, Zanowick-Marr A, **Tao J**, Coats CS, Napoleon S, Malyuta Y, Adams E, Arnold T, Chan PA, Nunn A. A Community-Adapted Approach to SARS-CoV-2 Testing for Medically Underserved Populations, Rhode Island, USA. *Emerg Infect Dis*. 2021 Sep;27(9):2445-2449. doi: 10.3201/eid2709.204874. PMID: 34424174; PMCID: PMC8386794.
 20. Rogers BG, **Tao J**, Darveau SC, Maynard M, Almonte A, Napoleon S, Murphy M, Chan PA. The Impact of COVID-19 on Sexual Behavior and Psychosocial Functioning in a Clinical Sample of Men who Have Sex with Men Using HIV Pre-exposure Prophylaxis. *AIDS Behav*. 2022 Jan;26(1):69-75. Doi: 10.1007/s10461-021-03334-5. Epub 2021 Jun 10. PMID: 34114165; PMCID: PMC8191709.
 21. Rogers BG, **Tao J**, Maynard M, Chu C, Silva E, Toma E, Nagel K, Napoleon S, Chan PA. Characterizing the Impact of COVID-19 on Pre-Exposure Prophylaxis (PrEP) Care. *AIDS Behav*. 2021 Nov;25(11):3754-3757. doi:10.1007/s10461-021-03337-2. Epub 2021 Jun 10. PMID: 34114166; PMCID: PMC8191705.
 22. Rogers B, **Tao J**, Murphy M, Chan PA. The COVID-19 pandemic and sexually transmitted infections: Where do we go from here? *Sex Transm Dis*. 2021 Apr 16. PMID: 33872225.
 23. Williams R Jr, Flanigan TP, Bazerman L, **Tao J**, Chu C, Silva ES, Almonte A, Montgomery M, Chan P. 101. Who Does Not Show up for Followup in an HIV Prep Clinic? *Open Forum Infect Dis*. 2020 Dec 31;7(Suppl 1):S180. doi: 10.1093/ofid/ofaa439.411. PMCID: PMC7777557.
 24. Murphy M, **Tao J**, Goedell WC, Berk J, Chu CT, Nunn A, Sosnowy C, Chan P. Characterizing substance use among men who have sex with men presenting to a sexually transmitted infection clinic. *Int J STD AIDS*. 2021 Mar;32(4):314-321. PMID: 33292093
 25. Weng CH, Saal A, Butt WW, Bica N, Fisher JQ, **Tao J**, Chan PA. Bacillus, Calmette-Guérin vaccination and clinical characteristics and outcomes of COVID-19 in Rhode Island, United States: a cohort study. *Epidemiol Infect*. 2020 Jul 9;148:e140. PMID: 32641191.
 26. **Tao J**, Napoleon SC, Maynard MA, Almonte A, Silva E, Toma E, Chu CT, Cormier K, Strong S,

- Chan PA. Impact of the COVID-19 Pandemic on Sexually Transmitted Infection Clinic Visits. *Sex Transm Dis*. 2021 Jan;48(1):e5-e7. PMID: 33181578;
27. Lurie MN, Silva J, Yorlets RR, **Tao J**, Chan PA. Coronavirus Disease 2019 Epidemic Doubling Time in the United States Before and During Stay-at-Home Restrictions. *J Infect Dis*. 2020 Oct 13;222(10):1601-1606. PMID: 32738142.
 28. Sosnowy C, **Tao J**, Nunez H, Montgomery MC, Ndoye CD, Biello K, Mimiaga MJ, Raifman J, Murphy M, Nunn A, Maynard M, Chan PA. Awareness and use of HIV pre-exposure prophylaxis among people who engage in sex work presenting to a sexually transmitted infection clinic. *Int J STD AIDS*. 2020 Oct;31(11):1055-1062. PMID: 32753003.
 29. **Tao J**, Montgomery MC, Chu CT, Sosnowy C, Almonte A, Goedel WC, Silva ES, Reisopoulos A, Marshall SA, Zaller ND, Rogers BG, Nunn AS, Marshall BDL, Chan PA. HIV Pre-Exposure Prophylaxis Awareness and Use Among Men Who Have Sex with Men Only and Men Who Have Sex with Both Men and Women. *AIDS Patient Care STDS*. 2020 Aug;34(8):327-330. PMID: 32706624
 30. Raifman J, Nocka K, Galárraga O, Wilson IB, Crowley C, **Tao J**, Napoleon S, Marak T, Chan PA. Evaluating statewide HIV preexposure prophylaxis implementation using All-Payer Claims Data. *Annals of epidemiology*. Apr 2020;44:1-7.e2.
 31. Chan PA, Patel RR, Mena L, Marshall BD, Rose J, Suttan Coats C, Montgomery MC, **Tao J**, Sosnowy C, Mayer KH, Nunn A. Long-term retention in pre-exposure prophylaxis care among men who have sex with men and transgender women in the United States. *Journal of the International AIDS Society*. Aug 2019;22(8):e25385.
 32. Ellison J, van den Berg JJ, Montgomery MC, **Tao J**, Pashankar R, Mimiaga MJ, Chan PA. Next-Generation HIV Pre-Exposure Prophylaxis Preferences Among Men Who Have Sex with Men Taking Daily Oral Pre-Exposure Prophylaxis. *AIDS patient care and STDs*. Nov 2019;33(11):482-491.
 33. **Tao J**, Montgomery B, Marshall A, Stahr S, Wells T, Wu H, Henry-Tillman R, Su LJ. High Incidence and Mortality of Cervical Cancer in the Southern United States. *Epidemol Int J* 2017;1(1):1-7. *Epidemol Int J*. 2017;1(1):1-7.
 34. Kamel MH, **Tao J**, Su J, Khalil MI, Bissada NK, Schurhamer B, Spiess PE, Davis R. Survival outcomes of organ sparing surgery, partial penectomy, and total penectomy in pathological T1/T2 penile cancer: Report from the National Cancer Data Base. *Urol Oncol*. 2017 Nov 16. pii: S1078-1439(17)30554-9.
 35. **Tao J**, Vermund SH, Qian HZ. Association Between Depression and Antiretroviral Therapy Use Among People Living with HIV: A Meta-analysis. *AIDS and behavior*. 2018 May;22(5) PMID: 28439754.
 36. **Tao J**, Vermund SH, Lu H, Ruan Y, Shepherd BE, Kipp AM, Amico KR, Zhang X, Shao Y, Qian HZ. Impact of Depression and Anxiety on Initiation of Antiretroviral Therapy Among Men Who Have Sex with Men with Newly Diagnosed HIV Infections in China. *AIDS patient care and STDs*. 2017;31(2):96-104.
 37. **Tao J**, Qian HZ, Kipp AM, Ruan Y, Shepherd BE, Amico KR, Shao Y, Lu H, Vermund SH. Effects of depression and anxiety on antiretroviral therapy adherence among newly diagnosed HIV-infected Chinese MSM. *AIDS*. 2017;31(3):401-6.
 38. **Tao J**, Wang L, Kipp AM, Qian HZ, Yin L, Ruan Y, et al. Relationship of Stigma and Depression Among Newly HIV-Diagnosed Chinese Men Who Have Sex with Men. *AIDS and behavior*. 2017;21(1):292-9..
 39. **Tao J**, Liang J, Zhang H, Pei L, Qian HZ, Chambers MC, Jiang Y, Xiao Y. The Molecular Epidemiological Study of HCV Subtypes among Intravenous and Non-Injection Drug Users in China. *PloS one*. 2015;10(10):e0140263.
 40. **Tao J**, Li MY, Qian HZ, Wang LJ, Zhang Z, Ding HF, Ji YH, Li DL, Xiao D, Hazlitt M, Vermund SH, Xiu X, Bao Y. Home-based HIV testing for men who have sex with men in China: a novel community-based partnership to complement government programs. *PloS one*. 2014;9(7):e102812.

41. **Tao J**, Ruan Y, Yin L, Vermund SH, Shepherd BE, Shao Y, Qian HZ. Sex with women among men who have sex with men in China: prevalence and sexual practices. *AIDS patient care and STDs*. 2013;27(9):524-8.
42. Su Y, Yan R, Duan Z, Norris JL, Wang L, Jiang Y, Xing W, Chen Y, Xiao Y, Li L, **Tao J**, Wang N. Prevalence and risk factors of hepatitis C and B virus infections in hemodialysis patients and their spouses: A multicenter study in Beijing, China. *Journal of medical virology*. 2013;85(3):425-32.
43. Liang J, **Tao J**, Zhang H, Zhao J, Pei L, Jiang Y, Xiao Y Normal reference values of lymphocyte subsets in healthy populations of 6 provinces and ethnic groups in China. *Chin J Viral Dis*. 2013;122-7.
44. **Tao J**, Liu Y, Tong Y, Yu S, Zhang H, Jiang Y, Xiao Y. Hepatitis C virus genotyping analysis among drug users in Guizhou, China. *Chin J Viral Dis* 2012;2(2):117-22.
45. **Tao J**, Zhao J, Liu Y, Meng L, Yu S, Jiang Y, Xiao Y. A system review on the application of BED-capture enzyme immunoassay in detecting new HIV-1 infection. *Chin J Epidemiology*. 2011;32(2):177-81.
46. **Tao J**, Meng L, Xiao Y. The comparison among different methods of measuring HIV- incidence. *Chin J AIDS & STD*. 2011;17(2):191-5.
47. Zhao J, Meng L, **Tao J**, Xiao Y. The progress of HCV Molecular Epidemiology. *Chin J Med Biotechnol*. 2011;6(5):364-7
48. Meng L, Zhao J, **Tao J**, Su X, Dong H, Liu Y, Han M, Zhao J, Xiao Y, Jiang Y. Features of IgG and IgG1-4 in HIV positive IDUs and MSM. *Chin J AIDS & STD*. 2010;16(3):222-5.

PUBLICATIONS SUBMITTED OR IN PREPARATION

1. Arnold T, **Tao J**, Sosnowy C, Nunn AS, Chan PA, Evaluating the Barriers/Facilitators of PrEP Engagement in Care and the Decision Making Process to Engage in Care Among African American and Hispanic/Latino MSM
2. Gu M, **Tao J**, S. Alexandra Marshall, Wilson IB, Nunn AS, Operario D, Chan PA, Using claims data to measure antiretroviral therapy medication persistence among people living with HIV/AIDS in Arkansas.
3. **Tao J**, Pavlick E., Bustamante JD, Grondin A, Parent H, Martin H, Chan PA, "Evaluating the Performance of a Large Language Model-Based Chatbot in Utilizing Motivational Interviewing to Promote HIV Pre-Exposure Prophylaxis Uptake"
4. **Tao J**, Parent H, Martin H, Kapadia J, Nunn AS, Mena L, Marshall BDL, Raymond H, Barnett N, Chan PA, Commentary: Peer-driven Interventions to Increase PrEP Uptake among Men who have Sex with Men in the United States
5. **Tao J**, Parent H, Martin H, Kapadia J, Nunn AS, Mena L, Marshall BDL, Raymond H, Barnett N, Chan PA, Peer-Driven Intervention to Enhance PrEP Uptake Among Men Who Have Sex with Men: A Clinical Trial"
6. **Tao J**, Parent H, Martin H, Gu M, "A Comprehensive Assessment of Healthcare Utilization and HIV Prevention Services Among People With Opioid Use Disorder Using the All-Payers Claims Database"

ABSTRACTS

1. Parent, H., Srivastava, Y., Gashi, E., Martin, H., Chan, P.A., Arnold, T., **Tao, J.**, Tarantino, N. & Rusley, J. Concordance on sexual health communication, relationship quality, and HIV pre-exposure prophylaxis awareness among gender diverse assigned-male youth and their parents. Poster Session at the Annual Meeting of the Society for Adolescent Health and Medicine, March 4-7, 2025, Baltimore, MD.
2. Le Brazidec D, Cormier K, Almonte A, Napoleon S, Chambers LC, **Tao J**, Bertrand TE, Howe K, Gummo CL, Ronquillo G, Chan PA. "Pre-exposure prophylaxis care cascade among men who have sex with men engaging in partner notification services at a sexually transmitted infection clinic."

- 2022 CDC STD Prevention Conference. September 19-22, 2022.
3. Chu CT, Gomillia CE, Curoe KA, Lockwood KR, Villalobos J, Silva ES, Riggs JN, Backus KV, Montgomery MC, Goedel WC, Suttan Coats C, Nuñez H, Nunn AS, Mena LA, Patel RR, Marshall BDL, **Tao J**, Sosnowy CD, Napoleon SC, Chan PA. Prevalence of sexually transmitted infection diagnoses among a clinic-based sample of men who have sex with men and trans women initiating pre-exposure prophylaxis. 2020 CDC STD Prevention Conference. Atlanta, GA: September 14-24, 2020.
 4. **Tao J**, Williams R, Maynard M, Montgomery MC, Napoleon S, Chu C, et al. Long-term Retention in HIV Pre-exposure Prophylaxis care among patients in Rhode Island, United States, 2013-2018. AIDS 2020 (virtual), July, 2020
 5. **Tao J**, Montgomery M, Sosnowy C, Nunez H, Sowemimo-Coker G, Chu C, Nunn A, Chan PA. Pre-exposure prophylaxis (PrEP) awareness and uptake between men who have sex with men and men who have sex with men and women. In: IDWeek 2019. Washington DC, October 4, 2019
 6. Rusley J, **Tao J**, Koinis-Mitchell D, Rosenthal A, Montgomery M, Nunez H, Chan PA. Longitudinal trends in risk behaviors and sexually transmitted diseases among adolescents and young adults at a sexually transmitted diseases clinic, 2013-2017. In: IDWeek 2019. Washington DC, October 3, 2019.
 7. Nocka K, Raifman J, Crowley C, Galarraga O, Wilson I, **Tao J**, Chan PA. Assessing statewide HIV pre-exposure prophylaxis implementation using an All-Payer Claims Database. In: IDWeek 2019. Washington DC, October 4, 2019.
 8. Maynard M, Nunez H, **Tao J**, Montgomery M, Almonte A, Sowemimo-Coker G, Chu C, Sosnowy C, Chan PA. Extragenital chlamydia and gonorrhea among females visiting an STD Clinic. In: IDWeek 2019. Washington DC, October 4, 2019.
 9. Joshi K, Atwal D, Ravilla R, **Tao J**, Su J, Makhoul I, et al. Outcomes of Immunotherapy in Advanced Melanoma in Relation to Age. ASCO-SITC Clinical Immuno-Oncology Symposium Jan 25-27; San Francisco, 2018.
 10. **Tao J**, Kamel MH, Schurhamer B, Davis R, Su J. Effect of human papillomavirus infections on penile cancer differentiation and survival, American Public Health Association. American Public Health Association (APHA); Nov 4-8; Atlanta, 2017. (Oral presentation).
 11. Farias J, **Tao J**, Mahmoud F, Su J, Hall A, Kamel MH. Survival Outcomes of Single versus Multi-agent Chemotherapy in Penile Cancer. Report from the National Cancer Database (NCDB). South Central Section of the American Urological Association; Oct 4-7; Naples, FL, 2017.
 12. **Tao J**, Wu H, Yearly KH, Su J. Cervical cancer screening and HPV vaccination disparities among U.S. adult women. Society for Epidemiologic Research; Jun 20-23; Seattle, 2017.
 13. Schurhamer B, **Tao J**, Campbell M, Farias J, Davis R, Su J, et al. Survival outcomes of organ surgery, partial penectomy, and total penectomy in T1/T2 penile cancer. American Urological Association; May 12-16; Boston, 2017.
 14. **Tao J**, Ruan Y, Shepherd BE, Kipp AM, Amico KR, Shao Y, et al. Association between Depression and Anxiety and Adherence to Antiretroviral Therapy among Newly Diagnosed HIV-Infected Men Who Have Sex with Men in China. 21th International AIDS Conference; July 18-22; Durban, South Africa 2016.
 15. Qian HZ, Ruan Y, **Tao J**, Yin L, Amico KR, Shepherd BE, et al. Impact of Text Messaging and Peer Counseling on Initiation and Adherence of HIV Antiretroviral Therapy among Newly-Diagnosed MSM. HIV Research for Prevention (HIVR4P); Oct 17-21; Chicago, 2016.
 16. **Tao J**, Wang L, Kipp AM, Qian HZ, Lu Y, Ruan Y, et al. C-107 Stigma and depression among newly diagnosed HIV infected MSM in China. JAIDS. 2016;71(49).
 17. **Tao J**, Kipp AM, Liu Y, Zhang C, Ruan Y, Yin L, et al. HIV-related Stigma and Depression among Newly Diagnosed HIV-infected Men Who Have Sex with Men, in China. 8th IAS Conference on HIV Pathogenesis, Treatment, and Prevention; July 19-23; Vancouver, Canada, 2015.
 18. **Tao J**, Zhao J, Meng L, Zhang H, Jiang Y, Xiao Y. Establishment of Peripheral Blood T Lymphocyte Subset Reference range among Teenagers and Adults in China by FACSCalibur Flow Cytometry. 6th IAS Conference on HIV Pathogenesis, Treatment and Prevention; July 17-21; Roma, Italy, 2011.

GRANT FUNDING

NIMH (R34MH138136) Tao & Chan (MPI)

9/16/25-9/15/28

An AI-based behavioral intervention to improve pre-exposure prophylaxis for HIV prevention.

This project aims to develop and evaluate a chatbot that leverages motivational interviewing techniques to deliver HIV prevention and PrEP education to men who have sex with men in Ending the HIV Epidemic (EHE) priority areas.

NIAID (R21AI192507) Tao & Chan (MPI)

9/12/25-8/31/27

An AI-Based Chatbot for Doxycycline as Post-Exposure Prophylaxis Among Men Who Have Sex with Men

This project aims to develop and evaluate a chatbot that applies motivational interviewing techniques to support the use of doxycycline post-exposure prophylaxis (doxy-PEP) for bacterial STI prevention among men who have sex with men.

NIDA (R01DA059503) Tao & Chan (MPI)

9/30/24-7/31/29

A multidisciplinary approach to integrate HIV prevention services into clinical care settings for people with opioid use disorder.

To explore where people with opioid use disorder (OUD) seek care, identify strategies to incorporate HIV prevention services into care settings, and estimate the population effect of incorporating HIV prevention services into care settings on reducing HIV incidence among people with OUD.

NIMH(R01MH131475)

Nunn& Chan (MPIs)

9/1/23-8/31/28

Intervention to Enhance PrEP Persistence Among African American Men Who Have Sex With Men

This study will develop an intervention with peer navigators to improve PrEP persistence among African American men who have sex with men.

Role: Co-I

Brown University

Tao (PI)

07/01/2024-06/30/2026

Leveraging Artificial Intelligence and Data Science to Improve Community-Based and Public Health Initiatives in Rhode Island and Beyond

This pilot aims to develop an AI-based Chatbot to use motivational interviewing techniques to promote HIV pre-exposure prophylaxis uptake among men who have sex with men and transgender women.

The Providence/Boston CFAR Developmental Award (P30AI042853) Tao (PI) 03/17/2025-03/16/2026

Implement a telehealth mobile van model to improve HIV care engagement and retention in Arkansas.

To improve HIV care access in Arkansas, a rural southern state with a significant HIV burden, we propose developing and implementing a telehealth mobile van model. This initiative will expand the reach of healthcare services, providing vital HIV care to underserved communities. By leveraging telehealth technology and a mobile platform, this innovative approach aligns with the goals of the Ending the HIV Epidemic initiative, reaching those in remote areas with limited healthcare access. This strategy is designed to increase early diagnosis, offer continuous treatment, and reduce the barriers faced by people living with HIV in rural Arkansas.

PENDING GRANT

NIMH (FA-MH-26-105) Prosperi (PI) 12/2025-11/2030
SYNchronized Agentic Prescriptive System for Improving Sequentially HIV Care Continuum (SYNAPSIS-HIV-CC)

The goals of the study are to develop artificial intelligence (AI) based approaches to improving HIV care in the United States.

Role: Co-I

NIDK (R01DK147427) Chan, Nunn (PI) 4/2026-3/2031
Implementing nutrition services in primary care settings to address chronic disease prevention

To reduce morbidity and mortality related to obesity-related chronic disease in the United States.

Role: Co-I

NIMH (R41MH144919) Tao (PI) 4/2026-3/2028
C-Mind Professional: A Supervised Conversational AI Tool for Clinician-Supported Depression and Anxiety Therapy

The goal of this project is to develop and evaluate *C-Mind Professional*, an AI-powered, clinically integrated chatbot platform designed to support primary care and mental health providers in delivering evidence-based cognitive behavioral therapy (CBT) and motivational interviewing (MI) interventions. The project aims to enhance provider capacity, reduce barriers to care, and improve treatment access and outcomes for adults with depression and anxiety.

NIH Rusely (PI) 04/2026-03/2028
Choose Your Test: Characterizing testing preferences of adolescents and young adults for HIV and other sexually transmitted infections

This study will generate critical insights into the barriers and facilitators for HIV/STI testing among youth at risk for HIV/STIs. The findings will inform the design of tailored, user-centered strategies to improve testing uptake and accessibility. Additionally, this work will lay the foundation for future implementation studies to assess the real-world effectiveness of these strategies in reducing disparities in HIV/STI testing and prevention among youth.

Role: Co-I

NIH Waston(PI) 04/2026-03/2031
An Overlooked Crisis in HIV Prevention: Behavioral and Sociocultural Drivers of Premature PrEP Discontinuation

The overarching goal of this project is to address an overlooked crisis in HIV prevention by focusing on premature PrEP discontinuation among young men who have sex with men (MSM) who remain at risk of HIV infection. Specifically, the study seeks to comprehensively identify multilevel drivers of PrEP discontinuation, evaluate how behavioral, psychosocial, and sociocultural factors interact over time, examine the role of momentary substance use in real-time discontinuation decisions, and engage key stakeholders to inform the development of targeted, theory-based interventions and public health strategies to sustain PrEP use in this high-priority population.

Role: Co-I

GRANT UNDERDEVELOPMENT

COMPLETE GRANT

The Providence/Boston CFAR Supplemental Award (P30AI042853) Tao (PI) 7/1/18-6/30/20
Peer-driven intervention promoting pre-exposure prophylaxis uptake among African American and Hispanic/Latino men who have sex with men

This study is to assess the feasibility and efficacy of a peer-driven intervention in promoting PrEP uptake and retention in care among African American and Hispanic/Latino men who have sex with men in Rhode Island.

The Advance Clinical Translational Research Award (U54GM115677) Tao (PI)

5/1/20-5/31/21

Using Big Data to Determine Pre-exposure Prophylaxis Uptake and Persistence in Southern New England

This project aims to determine PrEP uptake and persistence across Southern New England states and conduct a geographic information system (GIS) study to map areas with high HIV incidence and low PrEP implementation.

The CFAR Supplemental Award (P30AI042853) Tao (PI)

8/1/19-6/30/21

Using a big-data approach to characterize disparities in the HIV care continuum and viral suppression among rural communities in Arkansas

This project is to use the All Payers' Claims Database to characterize HIV care cascade in Arkansas and explore barriers and facilitators to engagement in HIV care.

NIMH (K01MH19660) Tao (PI)

9/1/20-8/31/25

Peer-driven intervention promoting pre-exposure prophylaxis uptake among African American and Hispanic/Latino men who have sex with men

This study is to evaluate the feasibility and efficacy of a peer-driven intervention when compared to venue-based recruitment in promoting PrEP uptake and retention in care among African American and Hispanic/Latino men who have sex with men in Rhode Island. Agent-based modeling will be used to estimate the effect of a peer-driven intervention on reducing HIV incidence at the population level.

UNIVERSITY TEACHING ROLES

Guest Lecturer, Brown University, PHP1100 Comparative Health Care Systems course

Guest Lecturer, Brown University, PHP 1854 The Epidemiology and Control of Infectious Diseases

MENTORING

Faculty Mentees

Matthew Murphy, MD (Statistical mentor)

Jack Rusley, MD (Statistical mentor)

Martha Sanchez, MD (Statistical mentor)

Tao, Wei, PhD (Career mentor)

Brown University Students

Robert Williams Jr (Medical Student)

Amaris Grondin (undergraduate student)

Undergraduate

Rebecca Aristotelidis (Undergraduate student at Wellesley College)

Josue Bustamante (Undergraduate student at Oregon State University)