

# Justin Knox

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## ACADEMIC TRAINING

- Columbia University** 2020  
Postdoctoral fellowship, Substance Abuse Epidemiology Training Program (T32DA031099; PI: Hasin)  
Faculty Sponsors: Deborah Hasin, PhD, Theo Sandfort, PhD and Dustin Duncan, ScD
- Columbia University** 2017  
PhD, Epidemiology  
Dissertation Title: Substance use and HIV risk among social networks of black South African men who have sex with men  
Dissertation Sponsors: Deborah Hasin, PhD and Theo Sandfort, PhD  
Dissertation Support: F31 dissertation fellowship grant (F31DA037128; PI: Knox), US Fulbright Student Program  
Resulting Publications: see peer-reviewed journal publications #21, 23, 29, 31
- Columbia University** 2010  
MPH, Sociomedical Sciences
- University College London** 2006  
MSc, Medical Anthropology
- Middlebury College** 2002  
BA, Anthropology & Spanish (double major)

## PEER-REVIEWED JOURNAL PUBLICATIONS

- 45 Chen YT, Duncan DT, Del Vecchio N, Timmins L, Pagkas-Bather J, Lacap S, Hotton A, **Knox J**, Hanson H, Koli K, Durrell M, Dehlin J, Schneider JA. (In Press) COVID-19 related stressors, sex behaviors, and HIV status neutral care among Black men who have sex with men and transgender women in Chicago, USA. *JAIDS*.
- 44 Sullivan PS, **Knox J**, Jones J, Taussig JA, Valentine-Graves M, Millett, G, Luisi N, Hall EW, Rosenberg ES, Sanchez T, Del Rio C, Kelley C, Guest JL. (In Press) Understanding disparities in viral suppression among Black MSM living with HIV in Atlanta Georgia. *Journal of the International AIDS Society*.
- 43 Duncan DT, Ransome Y, Park SH, Jackson SD, Kawachi I, Branas CC, **Knox J**, Al-Ajlouni YA, Mountcastle H, Miles C, Hickson DA. (In Press) Neighborhood social cohesion, religious participation and sexual risk behaviors among cisgender Black sexual minority men in the southern United States. *Social Science & Medicine*.
- 42 **Knox J**, Chen E, He Q, Liu G, Jones J, Wang X, Sullivan P, Siegler A. (In Press) Using Geosocial Networking Apps and HIV Risk Behavior among Men Who Have Sex with Men: Case-Crossover Analysis of Respondents to an Online Survey Delivered via Blued in China. *JMIR Public Health and Surveillance*.
- 41 Timmins L, Schneider JA, Chen YT, Goedel WC, Brewer R, Callander D, **Knox J**, Eavou R, Hanson H, Duncan DT. (In Press) Sexual identity, sexual behavior and Pre-Exposure Prophylaxis in Black sexual minority men: The N2 cohort study in Chicago. *AIDS & Behavior*.

- 40 Siegler AJ, **Knox J**, Bauermeister J, Golinkoff J, Hightow-Weidman L, Scott H. (In Press) Mobile app development in health research: pitfalls and solutions. *mHealth*.
- 39 Cohen F, Hermosilla S, **Knox J**, Agaba GS, Obalim G, Kajungu R, Mangen PO, Stark L. (In Press) Protocol for a caregiver psychosocial support intervention for populations affected by displacement in Uganda. *BMC Public Health*.
- 38 **Knox J**, Uhlemann AC, Lowy FD. (2020) Stopping household MRSA transmission and recurrent infections: an unmet challenge. *Clinical Infectious Diseases*. 10:ciaa745. PMID: 32520349
- 37 **Knox J**, Boyd A, Matser A, Heijman T, Sandfort T, Davidovich U. (In Press) Types of group sex and their association with different sexual risk behaviors among HIV-negative men who have sex with men. *Archives of Sexual Behavior*. 49:1995-2003. PMCID PMC7321909
- 36 **Knox J**, Scodes J, Wall M, Witkiewitz K, Kranzler HR, Mann R, O'Malley SS, Anton R, Hasin DS. (In Press) Reduction in World Health Organization (WHO) risk drinking levels and cardiovascular disease. *Alcoholism: Clinical & Experimental Research*. 44:1625-1635. PMCID: PMC7484295
- 35 **Knox J**, Patnaik P, Hakim A, Telly N, Ballo T, Traoré B, Doumbia S, Lahuerta M. (In Press) Prevalence of condomless anal intercourse and associated risk factors among men who have sex with men in Bamako, Mali. *International Journal of STD & AIDS*.
- 34 Colson PW, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM. (2020) Adherence to pre-exposure prophylaxis in African American men who have sex with men and transgender women in a community setting in Harlem, NY. *AIDS & Behavior*. 24:3436-3455. PMID: 32385678
- 33 Gruver RS, Mall S, Kvalsig JD, **Knox J**, Mellins CA, Desmond C, Kauchali S, Arpadi S, Taylor M, Davidson LL. (2020) Cognitive and language development at age 4-6 years in children HIV-exposed but uninfected compared to those HIV-unexposed and to children living with HIV. *New Directions for Child and Adolescent Development*. 1:39-54. PMCID: PMC7500867
- 32 **Knox J**, Hasin DS, Larson FRR, Kranzler HR. (2019) Prevention, screening, and treatment for heavy drinking and alcohol use disorder. *Lancet Psychiatry*. 19:S2215-0366. PMID: 31630982
- 31 **Knox J**, Schneider J, Greene E, Hasin D, Sandfort T. (2019) Using social network analysis to examine alcohol use among adults: a systematic review. *PLoS One*. 14:e0221360. PMCID: PMC6705782
- 30 **Knox J**, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Scodes J, Anton R, Hasin DS. (2019) Reduction in non-abstinent WHO drinking risk levels and drug use disorders: 3-year follow-up results in the US general population. *Drug and Alcohol Dependence*. 201:16-22. PMCID: PMC6662197
- 29 **Knox J**, Reddy V, Lane T, Lovasi G, Hasin D, Sandfort T. (2019) Safer sex intentions modify the relationship between substance use and sexual risk behavior among black South African MSM. *International Journal of STD & AIDS*. 30:786-794. PMCID: PMC6765215
- 28 **Knox J**, Scodes J, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Anton R, Hasin DS. (2019) Reduction in non-abstinent WHO drinking risk levels and depression/anxiety disorders: 3-year follow-up results in the US general population. *Drug and Alcohol Dependence*. 197:228-235. PMCID: PMC6440807
- 27 **Knox J**, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Scodes J, Anton R, Hasin DS. (2018) Reduction in non-abstinent WHO drinking risk levels and change in risk for liver

- disease and positive AUDIT-C scores: prospective 3-year follow-up results in the US general population. *Alcoholism: Clinical & Experimental Research*. 42:2256-2265. PMID: PMC6263142
- 26 **Knox J**, Arpadi S, Kauchali S, Murray C, Taylor M, Kvalsvig JM, Bah F, Mellins CA, Davidson LL. (2018) Screening for developmental disabilities in HIV positive and HIV negative children in South Africa: Results from the Asenze Study. *PLoS One*. 7:e49900. PMID: PMC6029795
  - 25 Mellins CA, Xu Q, Nestadt DF, **Knox J**, Kauchali S, Arpadi S, Kvalsvig JM, Shrout P, Davidson LL. (2018) Screening for mental health among young South African children: the use of the Strengths and Difficulties Questionnaire (SDQ). *Global Social Welfare*. 5:29-38. PMID: PMC6054470
  - 24 Lahuerta M, Patnaik P, Telly N, **Knox J**, Ballo T, N'dir A, Traoré B, Doumbia S, Hakim A. (2018) HIV prevalence and related risk factors in men who have sex with men in Bamako, Mali: findings from a bio-behavioral survey using respondent-driven sampling. *AIDS & Behavior*. 22:2079-2088. PMID: PMC6584951
  - 23 **Knox J**, Reddy V, Lane T, Lovasi G, Hasin D, Sandfort T. (2017) Determinants of hazardous drinking among black South African men who have sex with men. *Drug and Alcohol Dependence*. 180:14-21. PMID: PMC5648600
  - 22 Sandfort T, **Knox J**, Alcalá C, El-Bassel N, Kuo I, Smith L. (2017) Substance use and HIV risk among men who have sex with men in Africa: A systematic review. *JAIDS*. 76:e34-e36. PMID: PMC5647883
  - 21 **Knox J**, Reddy V, Lane T, Hasin D, Sandfort T. (2017) Substance use and sexual risk behavior among black South African men who have sex with men: the moderating effects of reasons for drinking and safer sex intentions. *AIDS & Behavior*. 21:2023-2032. PMID: PMC5484757
  - 20 Uhlemann AC, McAdam P, Sullivan S, **Knox J**, Khiabani H, Rabadan R, Davies P, Fitzgerald JR, Lowy FD. (2017) Evolutionary dynamics and international spread via routes of human migration of pandemic methicillin-sensitive *S. aureus* ST398. *mBio*. 17:e01375-16. PMID: PMC5241395
  - 19 Pratibha C, Kvalsvig JM, Mellins CA, Kauchali S, Arpadi S, Taylor M, **Knox J**, Davidson LL. (2017) Intimate partner violence and child behavioral problems in South Africa. *Pediatrics*. 139:2016-2059. PMID: PMC5330393
  - 18 Mellins CA, Kauchali S, Nestadt DF, Bai D, Aidala A, Myeza N, Craib MH, Kvalsvig J, Leu CS, **Knox J**, Arpadi S, Chhagan M, Davidson LL. (2017) Validation of the Client Diagnostic Questionnaire to assess mental health in South African caregivers of children. *Clinical Psychology & Psychotherapy*. 24:245-254. PMID: PMC5002382
  - 17 **Knox J**, Sullivan S, Urena J, Miller M, Vavagiakis P, Shi Q, Uhlemann AC, Lowy FD. (2016) Environmental contamination in the home and risk of recurrent community-associated Methicillin-resistant *Staphylococcus aureus* infection. *JAMA Internal Medicine*. 176:807-815. PMID: PMC4981655
  - 16 Bos H, **Knox J**, Rijn-van Gelderen LV, Gartrell NK. (2016) Same-sex and different-sex parent households and child health outcomes: findings from the National Survey of Children's Health. *Journal of Developmental & Behavioral Pediatrics*. 37:179-187. PMID: PMC6309949
  - 15 Taylor M, **Knox J**, Chhagan M, Kauchali S, Kvalsvig J, Mellins CA, Arpadi S, Craib MH, Davidson LL. (2016) Screening caregivers of children for risky drinking in KwaZulu-Natal, South Africa. *Maternal and Child Health Journal*. 20:2392-2401. PMID: PMC5147485
  - 14 **Knox J**, Uhlemann AC, Lowy FD. (2015) *Staphylococcus aureus* infections: transmission within households and the community. *Trends in Microbiology*. 23:437-444. PMID: PMC4490959

- 13 Sandfort T, Bos H, **Knox J**, Reddy V. (2015) Gender nonconformity, discrimination, and mental health among black South African men who have sex with men: a further exploration of unexpected findings. *Archives of Sexual Behavior*. 45:661-670. PMCID: PMC4676953
- 12 **Knox J**, Van Rijen M, Uhlemann AC, Miller M, Hafer C, Vasquez G, Vavagiakis P, Shi Q, Johnson PDR, Coombs G, Kluytmans-Vandenbergh MFQ, Kluytmans J, Bennett CM, Lowy FD. (2014) Community-associated methicillin-resistant *Staphylococcus aureus* transmission among households of infected cases: a pooled analysis of primary data from 3 studies across international settings. *Epidemiology & Infection*. 24:1-12. PMCID: PMC4981654
- 11 Sandfort T, **Knox J**, Collier K, Lane T, Reddy V. (2014) HIV testing practices of South African township MSM in the era of expanded access to ART. *AIDS & Behavior*. 19:561-574. PMCID: PMC4320981
- 10 Mooney S, **Knox J**, Morabia A. (2014) The Thompson-McFadden Commission, Joseph Goldberger, and pellagra: reconsidering two historical investigations of pellagra in cotton-mill villages in South Carolina. *American Journal of Epidemiology*. 180:235-244. PMCID: PMC4108042
- 9 Uhlemann AC, Dordel J, **Knox J**, Raven K, Parkhill J, Holden MTG, Peacock S, Lowy FD. (2014) Molecular tracing of the emergence, diversification and transmission of *S. aureus* sequence type 8 /USA300 in a New York community. *PNAS*. 111:6378-6343. PMCID: PMC4020051
- 8 Kaighobadi F, **Knox J**, Reddy V, Sandfort T. (2014) Age and sexual risk among black men who have sex with men in South Africa: the mediating role of attitudes towards condoms. *Journal of Health Psychology*. 19:1271-1278. PMCID: PMC3883874
- 7 **Knox J**, Reddy V, Kaighobadi F, Nel D, Sandfort T. (2013) Communicating HIV status in sexual interactions: assessing social cognitive constructs, situational factors, and individual characteristics among South African MSM. *AIDS & Behavior*. 17:350-359. PMCID: PMC3548948
- 6 Sandfort T, Yi H, **Knox J**, Reddy V. (2013) Sexual partnership types as determinant of HIV risk in South African MSM: an event-level cluster analysis. *AIDS & Behavior*. 17:S23-S32. PMCID: PMC3529978
- 5 **Knox J**, Uhlemann AC, Miller M, Hafer C, Vasquez G, Ryan M, Vavagiakis P, Shi Q, Lowy FD. (2012) Environmental contamination as a risk factor for intra-household *Staphylococcus aureus* transmission. *PLoS One*. 7:e49900. PMCID: PMC3496667
- 4 **Knox J**, Sandfort T, Yi H, Reddy V, Maimane S. (2011) Social vulnerability and HIV testing among men who have sex with men in South Africa. *International Journal of STD & AIDS*. 22:709-713. PMCID: PMC3243961
- 3 Uhlemann AC, **Knox J**, Miller M, Hafer C, Vasquez G, Ryan M, Vavagiakis P, Shi Q, Lowy FD. (2011) The environment as an unrecognized reservoir for community-associated methicillin resistant *Staphylococcus aureus* USA300: a case-control study. *PLoS One*. 6:e22407. PMCID: PMC3144231
- 2 **Knox J**, Yi H, Reddy V, Maimane S, Sandfort T. (2010) The fallacy of intimacy: Sexual risk behaviour and beliefs about trust and condom use among men who have sex with men in South Africa. *Psychology, Health & Medicine*. 15:660-671. PMCID: PMC3058799
- 1 **Knox J**. (2010) Exploring the potential for a culturally relevant HIV intervention project: a Swaziland example. *Anthropology & Medicine*. 17:87-98. PMID: 20419519

## MANUSCRIPTS UNDER REVIEW

**Knox J**, Martins SA, Duncan DT. Calling attention to racial/ethnic disparities in men who have sex with men. *NEJM*.

**Knox J**, Shiao S, Kutner B, Reddy V, Sandfort T. Pathways from stigma towards same-sexuality to HIV risk among black South African men who have sex with men. *AIDS & Behavior*.

**Knox J**, Park SH, Mountcastle H, Milla B, Callander D, Safren SA, Schneider JA, Duncan DT. Sleep and PrEP: Sleep Health Associated with Pre-Exposure Prophylaxis Preferences among Men Who Have Sex with Men. *PLoS One*.

**Knox J**, Kutner B, Shiao S, Kutner B, Winterhalter FS, Wu Y, Hirsch-Moverman Y, Ortega H, El-Sadr WM, Colson PW, Franks J. Psychosocial determinants of PrEP adherence among black men who have sex with men and transgender women in a community clinic in Harlem. *AIDS & Behavior*.

**Knox J**, Hwang G, Carrico AC, Duncan DT, Watson RJ, Eaton LA. Daily marijuana use predicts HIV seroconversion among Black men who have sex with men and transgender women. *JAIDS*.

Jones J, **Knox J**, Meanley S, Yang C, Lounsbury DW, Huang T, Patel V, Bauermeister J, Gonzalez-Hernandez G, Frye V, Grov C, Sullivan PS, Schwartz SR. Considerations on the use of technology in HIV-related implementation science research: Case comparisons of five Ending the HIV Epidemic supplement awards. *JAIDS*.

Crandall A, Bista O, Dacus JD, Phaleng H, Nel D, Lane T, Brouard P, Reddy V, Sandfort T, **Knox J**. The social and sexual lives of older Black sexual minority men in South Africa. *BMC Public Health*.

Moody RL, Chen YT, Schneider JA, **Knox J**, Timmins L, Hanson H, Koli K, Durrel M, Dehlin J, Eavou R, Martins SS, Duncan DT. Characteristics of Polysubstance Use in a Community Sample of Black Sexual Minority Men and Transgender Women in Chicago during COVID-19 Pandemic Peak. *Substance Use and Misuse*.

Pagkas-Bather J, Duncan DT, Chen YT, Del Vecchio N, Mayer K, Safren S, Wheeler DP, **Knox J**, Hason H, Eavou R, Schneider JA. Sleep Quality Associated with PrEP Adherence among Young Black Sexual Minority Men: The N2 Study. *JAIDS*.

Duncan DT, Wood EP, Regan SD, Chaix B, Cook S, **Knox J**, Chunara R. Structural-Level Homophobia and Racism and Substance Use Behaviors Among Young Sexual Minority Men in New York City. *American Journal of Public Health*.

Greene ER, Mei-Chen H, **Knox J**, Kandel D. Posttraumatic stress disorder; substance use; sequences; self-medication; increased susceptibility; shared vulnerability. *Drug and Alcohol Dependence*.

Diaz J, Greene E, Philbin M, Martins S, **Knox J**, Mauro P. Gender and racial/ethnic differences in past-month heavy alcohol use and past-year non-medical use of prescription opioids by sexual identity in US adults. *Drug and Alcohol Dependence*.

## MANUSCRIPTS IN PREPARATION

**Knox J**, Crandall A, Reddy V, Sandfort T. Social network characteristics and HIV infection among older Black South African men who have sex with men.

Chen E, **Knox J**, Weiss K, Siegler A. Driving and public transit access to substance abuse treatment centers in 3 major metropolitan areas in the U.S.

**Knox J**, Reidy W, Wu Y, Boshe J, Antelman G, Kulkarni S, Tymejczyk O, Nash D, Elul B. Disclosure of HIV status among HIV patients in Tanzania.

Wilson P, **Knox J**. Effects of a critical media analysis intervention on HIV-related health behavior among HIV positive young black men who have sex with men.

Li C, **Knox J**, Mauro P, Martins S. Medical vs. non-medical prescription opioid and benzodiazepine use in the U.S. general population.

## ORAL CONFERENCE PRESENTATIONS

- 13 **Knox J**, Scodes J, Wall M, Witkiewitz K, Kranzler HR, Mann R, O'Malley SS, Anton R, Hasin DS. (June 2021) Reduction in WHO risk drinking levels and cardiovascular disease. *Research Society on Alcoholism*. Virtual.
- 12 **Knox J**, Guest JL, Jones J, Hall EW, Luisi N, Taussig JA, Valentine-Graves M, Rosenberg ES, Sanchez T, Kelley C, Sullivan PS. (November 2020) Explaining racial disparities in viral suppression among men who have sex with men living with HIV. *IAPAC Adherence*. Virtual.
- 11 **Knox J**, Scodes J, Wall M, Witkiewitz K, Kranzler HR, Mann R, O'Malley SS, Anton R, Hasin DS. (June 2020) Reduction in World Health Organization (WHO) risk drinking levels and cardiovascular disease. *College on Problems of Drug Dependence*. Hollywood, FL.
- 10 **Knox J**, Guest JL, Jones J, Hall EW, Luisi N, Taussig JA, Valentine-Graves M, Rosenberg ES, Sanchez T, Kelley C, Sullivan PS. (March 2020) Explaining racial disparities in viral suppression among men who have sex with men living with HIV. *Conference on Retroviruses and Opportunistic Infections (CROI)*. Boston, MA.
- 9 **Knox J**, Boyd A, Matser A, Heijman T, Sandfort T, Davidovich U. (July 2019) Types of group sex and their association with sexual risk behaviors among HIV-negative men who have sex with men. *AIDS Impact*. London, the United Kingdom.
- 8 **Knox J**, Reddy V, Sandfort T. (July 2018) Sexual and gender diversity among black South African men who have sex with men and its impact on their social networks. *International Conference on the Social Sciences and Humanities in HIV*. Amsterdam, the Netherlands.
- 7 Colson PW, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM. (July 2018) Pre-exposure prophylaxis adherence in black men who have sex with men and transgender women in a community setting in Harlem, NY. *International Conference on the Social Sciences and Humanities in HIV*. Amsterdam, the Netherlands.
- 6 **Knox J**, Reddy V, Lane T, Lovasi G, Hasin D, Sandfort T. (June 2018) Determinants of hazardous drinking among black South African men who have sex with men. *International Network for Social Network Analysis*. Utrecht, the Netherlands.
- 5 Colson PW, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM. (June 2018) Factors associated with pre-exposure prophylaxis adherence in black men who have sex with men and transgender women in a community setting in Harlem, NY. *International Conference on HIV Treatment and Prevention Adherence (IAPAC)*. Miami, FL.
- 4 Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM, Colson PW. (June 2018) Factors associated with loss to follow-up among black men who have sex with men in a community-based pre-exposure prophylaxis study. *International Conference on HIV Treatment and Prevention Adherence (IAPAC)*. Miami, FL.



- 3 **Knox J**, Sandfort T, Reddy V, Lane T. (November 2014) Substance use and sexual risk behavior among black South African MSM: the role of intentions to use condoms in an event-level analysis. *American Public Health Association*. New Orleans, LA.
- 2 **Knox J**, Uhlemann AC, Miller M, Hafer C, Vasquez G, Ryan M, Vavagiakis P, Shi Q, Lowy FD. (September 2011) Household transmission of *Staphylococcus aureus*. *Interscience Conference on Antimicrobial Agents and Cancer*. Chicago, IL.
- 1 **Knox J**. (March 2009) Impact of state law on implementation of standing orders for adult immunizations in acute care hospitals in New York City, 2008. *National Immunization Conference*. Dallas, TX.

## POSTER CONFERENCE PRESENTATIONS

- 32 **Knox J**, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Scodes J, Anton R, Hasin DS. (March 2019) Reduction in non-abstinent WHO drinking risk levels and cardiovascular disease: 3-year follow-up results in the US general population. *American PsychoPathological Association*. New York, NY.
- 31 **Knox J**, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, El-Sadr WM, Colson PW. (November 2019) Assessing the Information-Motivation-Behavioral Skills Model for HIV pre-exposure prophylaxis adherence in black men who have sex with men and transgender women in a community setting in Harlem, NY. *Annual Meeting of the American Public Health Association*. Philadelphia, PA.
- 30 **Knox J**, Boyd A, Matser A, Heijman T, Sandfort T, Davidovich U. (July 2019) Types of group sex and their association with sexual risk behaviors among HIV-negative men who have sex with men. *International AIDS Conference*. Mexico City, Mexico.
- 29 **Knox J**, Schneider J, Greene E, Nicholson J, Hasin DS, Sandfort T. (June 2019) Using social network analysis to examine alcohol use among adults: a systematic review. *Research Society on Alcoholism*. Minneapolis MN.
- 28 **Knox J**, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Scodes J, Anton R, Hasin DS. (June 2019) Reduction in non-abstinent WHO drinking risk levels and psychiatric and drug use disorders: 3-year follow-up results in the US general population. *College on Problems of Drug Dependence*. San Antonio, TX.
- 27 Gruver R, Mall S, Kvalsvig JD, **Knox J**, Mellins CA, Desmond C, Kauchali S, Arpadi SM, Taylor M, Davidson LL. (June 2019) Delayed cognitive and language development in 4-6 year-old HIV-infected children compared to HIV-exposed uninfected and HIV-unexposed children in KwaZulu-Natal, South Africa. *Society for Pediatric and Perinatal Epidemiologic Research*. Minneapolis MN.
- 26 **Knox J**, Wilson P. (May 2019) Effects of a critical media analysis pilot intervention in HIV-related health behaviors in HIV-infected, young, black men who have sex with men. *Society for Prevention Research*. San Francisco, CA.
- 25 **Knox J**, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, El-Sadr WM, Colson PW. (March 2019) Evaluation of three measures of pre-exposure prophylaxis (PrEP) adherence used in a PrEP intervention trial implemented black men who have sex with men and transgender women in a community setting in Harlem, NY. *CDC National HIV Prevention Conference*. Atlanta, GA.
- 24 **Knox J**, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, El-Sadr WM, Colson PW. (March 2019) Effects of a pre-exposure prophylaxis adherence intervention on sexual risk behavior

and substance abuse in black men who have sex with men and transgender women in a community setting in Harlem, NY. *CDC National HIV Prevention Conference*. Atlanta, GA.

- 23 **Knox J**, Wall M, Witkiewitz K, Kranzler HR, Falk D, Litten R, Mann R, O'Malley SS, Scodes J, Anton R, Hasin DS. (March 2019) Reduction in non-abstinent WHO drinking risk levels and psychiatric and drug use disorders: 3-year follow-up results in the US general population. *American PsychoPathological Association*. New York, NY.
- 22 Colson PW, Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM. (July 2018) Pre-exposure prophylaxis adherence in black men who have sex with men and transgender women in a community setting in Harlem, NY. *International AIDS Conference*. Amsterdam, the Netherlands.
- 21 Winterhalter FS, Franks J, Hirsch-Moverman Y, Ortega H, Wu Y, **Knox J**, El-Sadr WM, Colson PW. (July 2018) Depressive symptoms, substance use and sexual risk behaviors among black men who have sex with men. *International AIDS Conference*. Amsterdam, the Netherlands.
- 20 **Knox J**, Hasin D, Aharonovich E. (June 2018) Impact of a pilot brief intervention targeted at substance use reduction on HIV medication adherence among HIV positive substance users. *International Conference on HIV Treatment and Prevention Adherence (IAPAC)*. Miami, FL.
- 19 **Knox J**, Hasin D, Aharonovich E. (June 2018) Impact of a pilot brief intervention targeted at substance use reduction on HIV risk behavior among HIV positive substance users. *International Conference on HIV Treatment and Prevention Adherence (IAPAC)*. Miami, FL.
- 18 Hasin DS, Anton R, Falk D, **Knox J**, Kranzler HR, Litten R, Mann K, O'Malley SS, Witkiewitz K. (June 2018) WHO-defined drinking levels and drinking consequences: prospective findings from the NESARC Waves 1 & 2 (2001-2005) and prevalence in NESARC-III (2012-2013). *Research Society on Alcoholism*. San Diego, CA.
- 17 **Knox J**, Collier K, Mtshengu A, Lee M, Lane T, Reddy V, Hasin D, Sandfort T. (June 2017) Substance use facilitates sexual interactions and increases HIV risk in black South African MSM. *College on Problems of Drug Dependence*. Montreal, Canada.
- 16 **Knox J**, Sandfort T, Lane T, Reddy V. (July 2016) Social network characteristics and HIV infection among older black South African MSM. *International AIDS Conference*. Durban, South Africa.
- 15 **Knox J**, Sandfort T, Dolezal C, Shiao S, Lane T, Reddy V. (July 2016) Pathways from homonegativity to HIV risk among black South African men who have sex with men. *International AIDS Conference*. Durban, South Africa.
- 14 **Knox J**, Kvalsvig JD, Mellins CA, Kauchali S, Taylor M, Arpadi SM, Desmond C, Davidson LL. (July 2016) The impact of HIV infection among children and their mothers on children's behavior, cognitive and language development. *International Workshop on HIV Pediatrics*. Durban, South Africa.
- 13 Hakim A, Lahuerta M, Patnaik P, Telly N, **Knox J**, Ballo T, N'dir A, Traoré B, Doumbia S. (July 2016) HIV testing among men who have sex with men in Bamako, Mali: identifying factors to address a critical unmet testing need. *International AIDS Conference*. Durban, South Africa.
- 12 Patnaik P, Lahuerta M, Telly N, **Knox J**, Ballo T, N'dir A, Traoré B, Doumbia S, Hakim A. (July 2016) Factors associated with unprotected anal intercourse in men who have sex with men (MSM): findings from the first bio-behavioral survey using respondent-driven sampling among MSM in Bamako, Mali. *International AIDS Conference*. Durban, South Africa.



- 11 Lahuerta M, Patnaik P, Telly N, **Knox J**, Ballo T, N'dir A, Traoré B, Doumbia S, Hakim A. (February 2016) HIV Prevalence and Risk Factors in Men who Have Sex with Men in Bamako, Mali. *Conference on Retroviruses and Opportunistic Infections (CROI)*. Boston, MA.
- 10 Taylor M, **Knox J**, Chhagan MK, Kauchali S, Kvalsvig J, Mellins CA, Arpadi SM, Davidson LL. (August 2014) The Audit C: A better screen than the Audit to identify primary child caregivers at risk of alcohol abuse in the ASENZE study, KwaZulu-Natal, South Africa. *International Epidemiology Association World Congress of Epidemiology*. Anchorage, AK.
- 9 **Knox J**, Sandfort T, Reddy V, Lane T. (June 2014) Substance use and sexual risk among black South African MSM: the moderating effects of reasons for drinking and safe sex intentions. *Research Society on Alcoholism*. Bellevue, WA.
- 8 Mooney S, **Knox J**, Morabia A. (June 2014) The Thompson-McFadden Commission, Joseph Goldberger, and pellagra: reconsidering two historical investigations of pellagra in cotton-mill villages in South Carolina. *Society for Epidemiologic Research*. Seattle, WA.
- 7 Crosier B, Sandfort T, Kaighobadi F, **Knox J**, Reddy V. (February 2014) RDS and HIV: rates, risk factors and future intervention. *International Network for Social Network Analysis*. Saint Petersburg, FL.
- 6 **Knox J**, Van Rijen M, Uhlemann AC, Miller M, Hafer C, Vasquez G, Vavagiakis P, Shi Q, Johnson PDR, Coombs G, Kluytmans-Van den Bergh MFQ, Kluytmans J, Bennett CM, Lowy FD. (October 2013) Community-associated methicillin-resistant *Staphylococcus aureus* transmission among households of infected cases: a pooled analysis of primary data from 3 studies across international settings. *Infectious Disease Week*. San Francisco, CA.
- 5 Bos HMW, Sandfort T, **Knox J**, Reddy V. (August 2013) Gender expression preference, sexual minority stress, resilience and feelings of depression and anxiety among black South African men who have sex with men (MSM). *International Academy of Sex Research*. Chicago, IL.
- 4 **Knox J**, Reddy V, Kaighobadi F, Nel D, Sandfort T. (July 2012) Communicating HIV status in sexual interactions: assessing social cognitive constructs, situational factors, and individual characteristics among South African MSM. *International AIDS Conference*. Washington DC.
- 3 Kaighobadi F, **Knox J**, Reddy V, Sandfort T. (July 2012) Attitudes towards condom use may explain why older Black South African MSM engage in unprotected insertive anal sex more frequently. *International AIDS Conference*. Washington DC.
- 2 Uhlemann AC, Hafer C, **Knox J**, Miller M, Vasquez G, Ryan M, Vavagiakis P, Shi Q, Lowy FD. (September 2010) Role of environmental contamination with community-associated methicillin-resistant *S. aureus*. *Interscience Conference on Antimicrobial Agents and Cancer*. Boston, MA.
- 1 **Knox J**, Sandfort T, Yi H, Reddy V, Maimane S. (July 2010) Social vulnerability and HIV testing among MSM in South Africa. *International AIDS Conference*. Austria, Vienna.

## INVITED TALKS

- 8 Intervening to improve HIV treatment and reduce drinking in young, black men who have sex with men. Substance Abuse Epidemiology Seminar. Department of Epidemiology, Columbia University. October 29, 2019
- 7 HIV treatment outcomes among a cohort of men who have sex with men living with HIV in Atlanta, GA. Talks on Research in Progress (TRIP). Division of HIV/AIDS Prevention, Centers for Disease Control. September 18, 2019

- 6 Group sex and sexual risk: Findings from the Amsterdam gay men’s cohort study. Grand Rounds. HIV Center for Clinical and Behavioral Studies, New York State Psychiatric Institute and Columbia University. June 6, 2019
- 5 Formulating a K proposal on intervening to improve HIV medication adherence among heavy-drinking, young, black men who have sex with men. Substance Abuse Epidemiology Seminar. Department of Epidemiology, Columbia University. December 12, 2018
- 4 HIV and substance use: developing a K proposal. Substance Abuse Epidemiology Seminar. Department of Epidemiology, Columbia University. May 8, 2018
- 3 Social networks, substance use and HIV risk among black South African men who have sex with men. Urban Health Collaborative Brown Bag Series. Department of Epidemiology & Biostatistics, Drexel University. May 4, 2018
- 2 Substance Use and HIV Risk among Social Networks of Black South African Men who Have Sex with Men. Dissertation Presentation. Department of Epidemiology, Columbia University. October 31, 2017
- 1 Substance use and sexual risk behavior among social networks of black South African MSM: an F31-funded dissertation project. Substance Abuse Epidemiology Seminar. Department of Epidemiology, Columbia University. April 2, 2015

## PROFESSIONAL EXPERIENCE

**Columbia University:** Manhattan, NY 2020-present

### Assistant Professor of Clinical Implementation Science and Intervention (in Psychiatry)

- Conduct research on K01AA028199: Intervening to improve HIV treatment and reduce drinking in young, Black men who have sex with men.

**Washington University in Saint Louis:** Saint Louis, MO 2020-present

### Consultant

- Support interdisciplinary team to implement and evaluate a psychosocial intervention to improve child welfare in a refugee settlement in Uganda.

**New York State Psychiatric Institute:** Manhattan, NY 2017-2020

### Research technician

- Conducted analyses using national data sets as part of research program focusing on substance use
- Led and assisted with preparation of manuscripts

**Fostering Resilience Initiative:** South Bend, IL 2019-2020

### Consultant

- Supported interdisciplinary team working to ensure positive outcomes for children and youth facing adversity in the Democratic Republic of Congo, Haiti, and Tanzania.

**New York State Psychiatric Institute:** Manhattan, NY 2017-Present

### Research technician

- Conduct analyses using large national data sets as part of research program focusing on substance use
- Lead and assist with preparation of manuscripts

**Fostering Resilience Initiative:** South Bend, IL 2019-2020

### Consultant

- Support interdisciplinary team working to ensure positive outcomes for children and youth facing adversity in the Democratic Republic of Congo, Haiti, and Tanzania.

**Columbia University:** Manhattan, NY 2016-2017

**Grant writer**

- Wrote an NIH R21 grant on sexual violence against women in Uganda; scored in the 30<sup>th</sup> percentile on its first submission
- Wrote an NIH DP2 grant to conduct research on sexual violence among women in Uganda
- Prepared an NIH R01 grant testing an intervention to reduce violence against children in Uganda

**Columbia University:** Manhattan, NY 2016-2017

**Quantitative social scientist**

- Analyzed large national data sets for a translation research program on PTSD and substance use
- Prepared manuscripts

**Columbia University:** Manhattan, NY 2014 – 2017

**Research Assistant**

- Managed data, conducted analyses, and assisted with preparation of manuscripts focused on intimate partner violence, mental health, substance use, HIV infection, and child development for a longitudinal community-based study of children and their adult caregivers in rural KwaZulu-Natal, South Africa

**Fulbright U.S. Student Program:** Pretoria, South Africa 2016

**Fulbright Scholar**

- Awarded a full Fulbright research grant to conduct independent research in South Africa on the social lives of older, black men who have sex with men (MSM)

**International Center for AIDS Prevention (ICAP):** Manhattan, NY 2014 – 2016

**Research Assistant**

- Supported the strategic information unit on a range of tasks, including: data management, data analysis, literature reviews, protocol development, and preparation of scientific presentations and manuscripts
- Assisted with implementation and data management for Population HIV Incidence Assessment (PHIA) surveys conducted in 20 sub-Saharan African countries

**Columbia University Medical Center:** Manhattan, NY 2009 – 2014

**Project Coordinator**

- Coordinated an NIH-funded R01 study on the transmission of *staphylococcus aureus* in NYC
- Managed data and conducted data analyses, including social network analyses and geospatial analyses
- Led and assisted with preparation of manuscripts
- Ensured protocols were approved by the Institutional Review Board
- Supervised research assistants on data collection, data entry and data cleaning

**New York City Department of Health:** Manhattan, NY 2007 – 2009

**Outreach Coordinator**

- Conducted research on the effectiveness of provider outreach interventions to increase influenza and pneumococcal vaccination coverage rates among adults in NYC

- Helped implement strategies (media campaigns, community outreach, healthcare provider education, resource development) to improve immunization coverage rates among adults in NYC
- Helped create, draft, and implement health policy for adult immunization practices in NYC

**Harlem United:** Manhattan, NY 2006 –2007

**HIV Case Manager**

- Managed caseloads of formerly homeless people living with HIV in a transitional housing program, including racial and sexual minorities, and helped them transition to live independently
- Developed and implemented service plans to assist clients with issues related to medical care, mental health, substance abuse, housing, employment, state support benefits, and legal matters

**The American Cancer Society:** Eastern Division, NY & NJ 2006

**Special Events Recruiter**

- Worked to increase awareness about cancer in Spanish and Portuguese-speaking communities
- Recruited community members to participate in an annual event that raised over \$500,000

**National Health Services:** London, United Kingdom 2006

**Honorary Senior Research Fellow**

- Shadowed doctors, psychiatrist, nurses, and health advisors in a sexual health clinic
- Accompanied nurses on outpatient visits and attended HIV support groups meetings
- Conducted library-based research on the role of spirituality for people living with HIV/AIDS

**United States Peace Corps:** Swaziland, Africa 2004 –2005

**Peace Corps Volunteer**

- Lived and worked in a rural community in a country with a generalized HIV epidemic (HIV prevalence >35%) to address health issues focusing on HIV/AIDS prevention and impact mitigation
- Worked to initiate collaboration between traditional healers and the Swaziland Ministry of Health
- Coordinated with humanitarian agencies to facilitate outreach to rural communities
- Accompanied rural health workers on home-based care visits
- Conducted a needs assessments survey at the local health clinic
- Organized and led a support group for people living with HIV

**Vergennes High School:** Vergennes, VT 2003–2004

**Alternative Education Teacher**

- Worked with an inter-disciplinary Alternative Collaborative Team to integrate students with behavioral problems and learning disabilities into a normal high school setting
- Designed curriculum for and taught students in Spanish, Writing, History, and Math
- Helped manage case files for twelve at-risk youths in the program

**Middlebury College:** Middlebury, VT 2003–2004

**Research Assistant**

- Designed curriculum, led class discussions and graded student work for courses in Symbolic Anthropology, Anthropology through the Arts, and Anthropology Research Methods
- Designed an online forum to build knowledge and foster critical thought among students on pertinent anthropological issues, called the Network for Student Activism

**Britanic International House:** Recife, Brazil 2003

**English Teacher**

- Lived, taught, and volunteered in order to learn Portuguese and experience Brazilian culture
- Designed curriculum, prepared classroom materials, taught classes, assessed student work
- Conducted volunteer work at a health clinic in a famous anthropological field site

## ACTIVE GRANTS

**R01DA054553, NIDA (MPI: Knox & Duncan)** 8/1/2021-6/30/2026

### **Cannabis use, PrEP and HIV transmission risk Among Black MSM in Chicago**

This project seeks to investigate relationships between cannabis use, PrEP and biological vulnerability to HIV infection among a cohort of Black gay, bisexual and other MSM.

Role: co-Principal Investigator

**R21DA053156, NIDA (PI: Knox)** 8/15/2021-7/31/2023

### **Social environmental drivers of stimulant use and its impact on HIV in Black MSM**

This project aims to characterize stimulant use and other drug use in a cohort of Black MSM, identify its social-environmental drivers, and assess its contribution to HIV transmission.

Role: Principal Investigator

**K01AA028199, NIAAA (PI: Knox)** 9/1/2020-8/31/2025

### **Intervening to improve HIV treatment and reduce drinking in young, Black MSM**

Developing, implementing and evaluating a social network and mHealth intervention that targets improved HIV treatment outcomes and reduced drinking in young, Black MSM.

Role: Principal Investigator

## GRANTS UNDER REVIEW

**R01AA029816, NIAAA (MPI: Duncan & Knox)** Impact Score: 50

### **Informing, designing, implementing and evaluating a package of tailored alcohol health services for Black sexual minority men**

We propose to conduct urgently needed research to address alcohol disparities and improve alcohol health services among Black gay, bisexual and other sexual minority men (SMM). Leveraging an existing cohort of Black SMM in Chicago, IL, the Networks and Neighborhoods (N2) Study, we will adapt a package of tailored alcohol health services for Black SMM, deliver them and evaluate their effectiveness and implementation.

Role: co-Principal Investigator

## COMPLETED GRANTS

**T32DA031099, NIDA (PI: Hasin)** 12/1/2007-7/31/2020

### **Epidemiology of Substance Use Disorders Training Program at Columbia University**

Multidisciplinary T32 training program for fellows for careers and leadership in substance abuse epidemiology, using epidemiologic methods to understand substance abuse and to mitigate its toll.

Role: Postdoctoral fellow

**F31DA037128, NIDA (PI: Knox)** 8/23/2014-2/28/2016, 9/1/2016-11/30/2017

### **Substance use and sexual risk behavior among MSM in South African townships**

Quantitative exploration of the relationships among social network characteristics, substance use and HIV risk behavior among black South African MSM.

Role: Principal Investigator

**Independent Research Award, Fulbright U.S. Student Program (PI: Knox)** 3/1/20016–8/31/2016  
**Collaboration to qualitatively explore the social lives of older, black MSM in Tshwane, South Africa**  
 In-depth interviews conducted among n=38 older (30+ years old) black MSM to learn more about their social and sexual lives.  
 Role: Principal Investigator

**SCHOLARSHIPS/ AWARDS**

International AIDS Conference Early Career Investigator Travel Award	2020
CROI Early Career Investigator Travel Award	2020
American PsychoPathological Association Early Career Investigator Travel Award	2020
College on Problems of Drug Dependence Early Career Investigator Travel Award	2019
Research Society on Alcoholism Early Career Investigator Travel Award	2019
Society for Prevention Research Early Career Investigator Travel Award	2019
CDC National HIV Conference Sponsored Participant Award	2019
American PsychoPathological Association Early Career Investigator Travel Award	2019
NIDA Director’s Travel Award	2017
David J. Sencer Scholarship to attend the CDC annual EIS conference	2016
Scholarship to attend the Network Modeling for Epidemics course	2015
Scholarship to attend the EPIC course: Social Network Analysis	2015
Scholarship to attend the Clinic on Dynamical Approaches to Infectious Disease Data	2014
Public Health Scholarship	2008–2009
Honors, Senior Thesis	2002
Cum Laude	2002

**PEER REVIEWS**

Journal of the International AIDS Society	Alcoholism: Clinical & Experimental Research
JAIDS	Journal of Addictive Behaviors
Clinical Infectious Diseases	Global Public Health
Annals of Epidemiology	Vulnerable Children & Youth Studies
Pediatrics	Therapeutic Advances in Musculoskeletal Disease
PLoS One	American Journal of Infection Control
Drug and Alcohol Dependence	Journal of Homosexuality
AIDS & Behavior	SAHARA Journal
AIDS Care	African Journal of AIDS Research
Microbial Drug Resistance	Journal of Sex & Marital Therapy
Addictive Behaviors	Journal of Public Mental Health,
International Journal of STD & AIDS	BMJ Open
Journal of Medical Internet Research	Journal of Urban Health
Science of the Total Environment	

**AFFILIATIONS**

International AIDS Society	College on Problems of Drug Dependence
HIV Prevention Trials Network	Society for Healthcare Epidemiology of America
American Public Health Association	Society for Prevention Research
Society for Epidemiological Research	

## **INSTRUCTOR**

Quantitative Research Methods, Department of Sociomedical Sciences, Columbia University	2021
Quantitative Research Methods, Department of Sociomedical Sciences, Columbia University	2020
Epidemiology Research Methods, Infection Control Workshop, Kingston, Jamaica	2018

## **TEACHING ASSISTANT**

Quantitative Research Methods, Department of Sociomedical Sciences, Columbia University	2019
Introduction to SAS, Department of Epidemiology, Columbia University	2011
Epidemiology 3, Department of Epidemiology, Columbia University	2011
Symbolic Anthropology, Department of Anthropology, Middlebury College	2004
Anthropology through the Arts, Department of Anthropology, Middlebury College	2003
Anthropology Research Methods, Department of Anthropology, Middlebury College	2003

## **MENTORSHIP**

Public Health Practicum Advisor (Amy Crandall)	2020
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## **FOREIGN LANGUAGES**

Spanish – fluent  
Portuguese – conversational  
Zulu (Bantu) – conversational

## **COMPUTER PROGRAMS**

Microsoft Office suite  
SAS  
SPSS  
R  
ArcGIS

## **CERTIFICATIONS**

English as a Second Language (ESL) Teacher  
CPR and First Aid  
HIV Testing  
HIV Pre- & Post-Test Counseling