

## CURRICULUM VITAE

### KATHRYN E. LANCASTER, PhD, MPH

The Ohio State University  
College of Public Health, Division of Epidemiology  
334 Cunz Hall, 1841 Neil Avenue Columbus, OH 43210  
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#### **EDUCATION**

- PhD 2015 University of North Carolina at Chapel Hill, Gillings School of Global Public Health, Department of Epidemiology, Chapel Hill, NC  
Dissertation: *Substance use and engagement across the HIV care continuum among female sex workers, a key population in Malawi*
- MPH 2009 Tulane University, School of Public Health and Tropical Medicine, Department of Epidemiology, New Orleans, LA  
Thesis: *The Effects of Residential Racial Segregation on Neighborhood Physical and Social Environments and Population Health Outcomes*
- BS 2007 University of Arizona, Department of Microbiology and Veterinary Medicine, Tucson, AZ

#### **PROFESSIONAL EXPERIENCE**

##### ***Academic appointments***

- Aug 2017-present Assistant Professor, Division of Epidemiology, College of Public Health, The Ohio State University, Columbus, OH
- Aug 2015-Jul 2017 Postdoctoral Research Associate, Institute for Global Health and Infectious Diseases, University of North Carolina at Chapel Hill, Chapel Hill, NC

##### ***Other positions***

- Aug 2018-present Faculty Affiliate, Institute of Population Research, The Ohio State University, Columbus, OH
- Sept 2017-present Chair of the Substance Use Working Group, International Epidemiological Databases to Evaluate AIDS (IeDEA) Consortium
- Dec 2014-Jul 2017 Epidemiologist and Malawi Technical Advisor, Linkages Across the Continuum of HIV Services for Key Populations Affected by HIV (LINKAGES) Project, University North Carolina at Chapel Hill, Chapel Hill, NC
- Aug 2012-present Protocol team member and Interventionist on HIV Prevention Trials Network (HPTN) 074, Institute for Global Health and Infectious Diseases, University of North Carolina, Chapel Hill, NC
- Aug 2014-Jul 2015 Predoctoral Trainee, Training in STDs and HIV Training Grant (T32), Institute for Global Health and Infectious Diseases, University of North Carolina, Chapel Hill, NC

- Aug 2013-Aug 2014 Fogarty Global Health Predoctoral Fellow, UNC Hopkins Morehouse Tulane Fogarty Global Health Fellows Program, University of North Carolina, Chapel Hill, NC
- Aug 2011-Aug 2012 Research Assistant, Department of Epidemiology, Gillings School of Global Public Health, University of North Carolina, Chapel Hill, NC
- Jul 2009-Jul 2011 Global Health Research Fellow, FHI 360, Research Triangle Park, NC
- Jul 2008-Jul 2009 Research Assistant, Tulane University, School of Public Health and Tropical Medicine, Department of Epidemiology, New Orleans, LA
- Nov 2007-Jul 2008 Disease Surveillance Student Assistant, State of Louisiana Office Public Health Infectious Disease Epidemiology, Metairie, LA
- May 2007-Aug 2007 Research Assistant, Universidad Peruana Cayetano Heredia, Lima, Peru, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
- May 2006-May 2007 Student Research Assistant, Department of Veterinary Science and Microbiology, University of Arizona, Tucson, AZ
- Mar 2005-Sep 2005 Student Research Assistant, Arizona Cancer Center, University of Arizona, Tucson, AZ

## **HONORS AND AWARDS**

- 2018 The American Sexually Transmitted Disease Association (ASTDA) Awardee for the Career Development Symposium for Emerging Investigators and Program Leaders
- 2016 UNC Center for AIDS Research (CFAR) Developmental Award, P30AI50410
- 2015 Young Investigator Award, Conference on Retroviruses and Opportunistic Infections
- 2014-2015 UNC Gillings School of Global Public Health's Dr. Curtis Glenn Southard Award for commitment to working in the mental health field
- 2013-2014 UJMT Fogarty Global Health Predoctoral fellow, Fogarty International Center, 1R25TW009340
- 2012 UNC Center for Global Initiatives Pre-dissertation Travel Award Recipient
- 2011-2012 Carolina Population Center Predoctoral Trainee
- 2011 Faculty of 1000, Current Top 10 Ranking award
- 2007 BRAVO! Program Research and Travel Grant Recipient, 5T37MD001427
- 2005 Dean's Honorable Mention, University of Arizona

## **PUBLICATIONS**

*\*denotes advisee or mentee*

### ***Published***

1. Hutton HE, **Lancaster KE**, Zuskov D, Mai NVT, Quynh BX, Chander G, Latkin CA, Vu PT, Sripaipan T, Ha TV, Go VF. *Cultural adaptation of two evidence-based alcohol interventions for antiretroviral treatment clinic patients in Vietnam*. Journal of the International Association of Providers of AIDS Care (JIAPAC). In press.
2. Schalkoff C\*, **Lancaster KE**, Gaynes B, Wang V, Pence BW, Miller WC, Go VF. *The opioid*

*and related drug epidemics in rural Appalachia: A systematic review of populations affected, risk factors, and related infectious diseases.* Substance Abuse. In press.

3. **Lancaster KE**, Miller WC, Kiriazova T, Saravita R, Bui Q, Ha TV, Dumchev K, Susami H, Hamilton EL, Rose S, Hershow RB, Metzger D, Hoffman IF, Latkin CA. *Designing an individually tailored multilevel intervention to increase engagement in HIV and substance use treatment among people who inject drugs with HIV: HPTN 074.* AIDS Education and Prevention. In press.
4. Yotebieng M, Brazier E, Addison D, Kimmel AD, Cornell M, Keiser O, Parcesepe AM, Onovo A, **Lancaster KE**, Castelnovo B, Murnane PN, Cohen CR, Vreeman RC, Davies MA, Duda SN, Yiannoutsos C, Bono RS, Agler R, Bernard C, Syvertsen JL, Sinayobye JD, Wikramanayake R, Sohn AH, von Groote PM, Wandeler G, Leroy V, Williams CF, Wools-Kaloustian K, and Nash D for the IeDEA Treat All in sub-Saharan Africa Consensus Statement Working Group. *Research priorities to inform 'Treat All' policy implementation for people living with HIV in sub-Saharan Africa: A Consensus Statement from the International Epidemiology Databases to Evaluate AIDS (IeDEA).* Journal of the International AIDS Society 22.1 (2019): e25218. doi: 10.1002/jia2.25218.
5. Malava JK\*, **Lancaster KE**, Hosseinipour MC, Rosenberg NE, O'Donnell JK, Kauye F, Mbirimtengerenji N, Chaweza T, Tweya H, Phiri S, Pence BW, Gaynes BN. *Prevalence and associated factors of probable depression diagnosis and suicidality among patients receiving HIV care in Lilongwe, Malawi* Malawi Medical Journal (4);236-242 December 2018.
6. **Lancaster KE**, Hoffman IF, Hanscom B, Ha TV, Dumchev K, Susami H, Rose S, Go VF, Reifeis SA, Mollan KR, Hudgens MG, Piwowar-Manning EM, Richardson P, Dvoriak S, Djoerban Z, Kiriazova T, Zeziulin O, Djauzi S, Viet Ahn C, Latkin C, Metzger D, Burns DN, Sugarman J, Strathdee SA, Eshleman SH, Clarke W, Donnell D, Emel L, Sunner LE, McKinstry L, Sista N, Hamilton EL, Lucas JP, Duong BD, Vuong NV, Sarasvita R, Miller WC, and the HPTN 074 Study Team. *Regional differences of people who inject drugs in an HIV prevention trial integrating treatment and prevention: HPTN 074.* Journal of the International AIDS Society. 2018 Oct;21(10):e25195. doi: 10.1002/jia2.25195.
7. Go VF, Hershow RB, Kiriazova T; Sarasvita R, Bui Q, Latkin CA, Rose S, Hamilton E, **Lancaster KE**, Metzger D, Hoffman IF, Miller WC. *Client and provider perspectives on antiretroviral treatment uptake and adherence among people who inject drugs in Indonesia, Ukraine, and Vietnam: HPTN 074.* AIDS and Behavior. 2018 Oct 10. doi: 10.1007/s10461-018-2307-y. [Epub ahead of print]
8. **Lancaster KE**, Hetrick A\*, Jaquet A, Adedimeji A, Atwoli L, Colby DJ, Mayor AM, Parcesepe A, Syvertsen J. *Substance use and universal access to HIV testing and treatment in sub-Saharan Africa: Implications and research priorities.* Journal of Viral Eradication. 2018; 4(Suppl 2):26-32.
9. Miller WC, Hoffman IF, Hanscom BS, Ha TV, Dumchev K, Djoerban Z, Rose SM, Latkin CA, Metzger DS, **Lancaster KE**, Go VF, Dvoriak S, Mollan KR, Reifeis SA, Piwowar-Manning EM, Richardson P, Hudgens MG, Hamilton EL, Sugarman J, Eshleman SH, Susami H, Chu VA, Djauzi S, Kiriazova T, Duong BD, Strathdee SA, Burns DN. *A Scalable, Integrated Intervention to Engage People Who Inject Drugs in HIV Care and Medication-Assisted Treatment: A Randomized, Controlled Vanguard Trial (HPTN 074).* Lancet. 2018 Sep 1;392(10149):747-759. doi: 10.1016/S0140-6736(18)31487-9.

*first 90 for key populations in sub-Saharan Africa through venue-based outreach: Challenges and opportunities for HIV prevention based on PLACE study findings from Malawi and Angola.* Journal of the International AIDS Society. 2018 Jul; 21 Suppl 5:e25132. doi: 10.1002/jia2.25132

11. Toussova OV, Kozlov AP, Verevochkin SV, **Lancaster KE**, Shabolts AV, Masharsky A, Dukhovlina E, Miller WC, Hoffman IF. *A Cohort Approach to Real Time Detection of Acute HIV infections among people who inject drugs in St. Petersburg, Russia.* AIDS Research and Human Retroviruses. 2018 Mar;34(3):261-268. doi: 10.1089/AID.2017.0076. Epub 2018 Jan 17.
12. Wood D, **Lancaster KE**, Boily MC, Powers KA, Donnell D, Cohen MS, Dimitrov DT. *Recruitment of female sex workers in HIV prevention trials: Can efficacy endpoints be reached more efficiently?* J Acquir Immune Defic Syndr. 2018 Apr 1;77(4):350-357. doi: 10.1097/QAI.0000000000001603.
13. MacLean SA\*, **Lancaster KE**, Lungu T, Mmidozi P, Hosseinipour MC, Pence BW, Gaynes BN, Hoffman IF, Miller WC. *Prevalence and correlates of probable depression and post-traumatic stress disorder among female sex workers in Lilongwe, Malawi.* International Journal of Mental Health and Addiction. 2018 Feb;16(1):150-163. doi: 10.1007/s11469-017-9829-9. Epub 2017 Nov 14.
14. Hershow RB, Zuskov DS, Mai NVT, Chander G, Hutton HE, Latkin C, Vuong ND, Sripaipan T, **Lancaster KE**, Ha TV, Go VF. *"[Drinking is] like a rule that you can't break": A qualitative study on perceived barriers and facilitators to reduce alcohol use and improve antiretroviral treatment (ART) adherence among people living with HIV (PLHIV) with alcohol use disorders (AUDs) in Thai Nguyen, Vietnam.* Substance Use and Misuse. 2018 Mar 14:1-9. doi: 10.1080/10826084.2017.1392986. [Epub ahead of print] PubMed PMID: 29537932.
15. **Lancaster KE**, MacLean SA\*, Lungu T, Mmodzi P, Hosseinipour MC, Hershow RB, Powers KA, Pence BW, Hoffman IF, Miller WC, Go VF. *Socioecological factors of hazardous alcohol use among female sex workers in Lilongwe, Malawi: a mixed methods study.* Substance Use and Misuse. 2018 Apr 16;53(5):782-791. doi: 10.1080/10826084.2017.1365088. Epub 2017 Oct 11.
16. Blackburn NA\*, **Lancaster KE**, Ha TVa, Latkin CA, Miller WC, Frangakis C, Chu VA, Sripaipan T, Quan VM, Minh NL, Vu PT, Go VF. *Characteristics of Persons who Inject Drugs and who are Witness to Multiple Opioid Overdoses in Vietnam.* Harm Reduction. 2017 Sep 7;14(1):62. doi: 10.1186/s12954-017-0188-4.
17. **Lancaster KE**, Cernigliaro D, Zulliger R, Fleming PF. *HIV care and treatment experiences among female sex workers living with HIV in sub-Saharan Africa: A systematic review.* African Journal of AIDS Research, 2016 Dec;15(4):377-386. doi: 10.2989/16085906.2016.1255652.
18. **Lancaster KE**, Lungu T, Hosseinipour MC, Chadwick K, Pence BW, Powers, KA, Go VF, Hoffman IF, Miller WC. *The association between substance use and sub-optimal HIV treatment outcomes among HIV-infected female sex workers in Lilongwe, Malawi.* AIDS Care. Jul 21:1-7. doi: 10.1080/09540121.2016.1211244. Epub 2016 Jul 21
19. Dawson L, Strathdee SA, London AJ, **Lancaster KE**, Klitzman R, Hoffman I, Rose S, Sugarman J. *Addressing Ethical Challenges in Research on HIV Prevention with People who Inject Drugs.* Journal of Medical Ethics, 2016 Apr 25. doi: 10.1136/medethics-2015-102895.
20. **Lancaster KE**, Go VF, Lungu T, Hosseinipour MC, Chadwick K, Pence BW, Powers, KA,

- Hoffman IF, Miller WC. *Substance use and awareness of HIV infection among HIV-infected female sex workers in Lilongwe, Malawi*. International Journal of Drug Policy. 2016 Apr; 30, 124-131. doi: 10.1016/j.drugpo.2016.02.020.
21. **Lancaster KE**, Powers KA, Lungu T, Mmodzi P, Hosseinipour MC, Chadwick K, Go VF, Pence BW, Hoffman IF, Miller WC. *The HIV care continuum among female sex workers, a key population in Lilongwe, Malawi*. PLoS One. 2016 Jan 25; 11(1): e0147662. doi: 10.1371/journal.pone.0147662.
  22. **Lancaster KE**, Kwok C, Rinaldi A, Byamugisha J, Magwali T, Nyamapfeni P, Salata R, and Morrison C. *Incident pregnancy and pregnancy outcomes among HIV-infected women in Uganda and Zimbabwe*. International Journal of Gynecology and Obstetrics. 2015 Dec; 131(3):255-9. doi: 10.1016/j.ijgo.2015.06.035.
  23. Herce ME, Mtande TK, Chimbwandira F, Mofolo I, Chingondole C, Rosenberg NE, **Lancaster KE**, Kamanga E, Mwafulirwa T, Nkhoma J, Besela P, Kumwenda W, Nkhata G, Gondwe C, Chimatata J, Malenga R, Chikonda J, Midian D, Tegha G, Hosseinipour M, Stanley C, Hoffman I, Martinson F, Stein E, Geldof M, van der Horst C. *Scaling up Option B+ and comprehensive prevention of mother-to-child transmission services in Malawi: Results and lessons learned from the Safeguard the Family project*. BMC Infectious Diseases. 2015 Aug 12; 15:328. doi: 10.1186/s12879-015-1065-y.
  24. Pettifor AE, Lippman S, Selin A, Peacock D, Gottert A, Maman S, Rebombo D, Suchindran C, Twine R, **Lancaster KE**, Daniel T, Gomez Olive FX, Kahn K, MacPhail C. *A cluster randomized-controlled trial of a community mobilization intervention to change gender norms and reduce HIV risk in rural South Africa: Design, implementation and baseline findings*. BMC Public Health. 2015 August 06; 15:752. doi: 10.1186/s12889-015-2048-z.
  25. Costenbader EC, **Lancaster KE**, Bufumbo L, Akol A, Guest G. *On The Road Again: Concurrency and Condom Use Among Ugandan Truck Drivers*. African Journal of AIDS Research. 2015 Jul 30; 14(2): 117–125. doi: 10.2989/16085906.2015.1040810.
  26. Reddy EA, Stout JE, Njau B, Morpeth SC, Mushi G, **Lancaster KE**, Tribble AC, Msuya L, Crump JA, Shao JF, Morrissey AB, Cunningham C, Hamilton CD. *A randomized controlled trial of standard versus intensified tuberculosis diagnostics on treatment decisions by physicians in Northern Tanzania*. BMC Infectious Diseases. 2014 Feb 20;14(1):89. doi: 10.1186/1471-2334-14-89.
  27. Johansen KM, Castro NS, **Lancaster KE**, Madrid E, Havas A, Simms J, Sterling CR. *Characterization of Giardia lamblia genotypes in dogs from Tucson, Arizona using SSU-rRNA and  $\beta$ -giardin sequences*. Parasitology Research. 2013 Nov 15. doi: 10.1007/s00436-013-3666-y.
  28. Bingham A, Gaspar F, **Lancaster KE**, Conjera J, Collymore Y, Ba-Nguz A. *Community Perceptions of Malaria and Vaccines in Two Districts of Mozambique*. Malaria Journal. 2012, 11:394. doi: 10.1186/1475-2875-11-394.

#### **Invited Commentaries/Letters to the Editor**

29. Maierhoffer C, **Lancaster KE**, Turner AT. *Anal sex is more common than having a Twitter account in the United States*. Sexually Transmitted Diseases. 2018 Dec;45(12):783-785. doi: 10.1097/OLQ.0000000000000925.
30. **Lancaster, KE**, Malvestutto, CD, Miller, WC, and Go, VF. (2018) *Commentary on Fraser et al. (2018): Evidence base for harm reduction services—the urban–rural divide*. Addiction. 2018 Jan;113(1):183-184. doi: 10.1111/add.14052.

31. Dawson L, Strathdee SA, London AJ, **Lancaster KE**, Klitzman R, Hoffman I, Rose S, Sugarman J. *Brining science and advocacy together to address health needs of people who inject drugs*. Journal of Medical Ethics. 2017 Oct 27. pii: medethics-2017-104591. doi: 10.1136/medethics-2017-104591. [Epub ahead of print]
32. **Lancaster KE**, Nguyen N, Lesko C, Powers KA. *Generalizability and scalability of HIV "treatment as prevention"*. AIDS. 2013 Sep 24; 27(15):2493-4. doi: 0.1097/01.aids.0000432468.61626.d4.

### **Under Review**

33. Shea J, Bula A, Dunda W, Hosseinipour MC, Golin CE, Hoffman IF, Miller WC, Go VF, Lungu T, **Lancaster KE**. *"The drug will help protect my tomorrow": Perceptions of integrating PrEP into HIV prevention behaviors among female sex workers in Lilongwe, Malawi*.
34. **Lancaster KE**, Lungu T, Bula A, Shoben A, Hosseinipour MC, Kohler RE, Hoffman IF, Go VF, Golin CE, Wheeler SB, Miller WC. *Preferences for optimizing pre-exposure prophylaxis delivery among female sex workers in Malawi: A discrete choice experiment*.
35. Zuskov DS, Hershov RB, Mai NVT, Chander G, Hutton HE, Latkin C, Vuong ND, Davis W, Sripaipan T, **Lancaster KE**, Ha TV, Go VF. *Perceptions of Women's Alcohol Consumption and Descriptions of HIV-Infected Women's Alcohol Use Behavior Among Male and Female Antiretroviral Treatment Clients with Alcohol Use Disorders in Vietnam*.
36. Chen J, Matoga M, Khan S, Jere E, Massa C, Ndalama B, Sena AC, **Lancaster KE**, Hosseinipour MC, Cohen MS, Miller WC, and Hoffman IF. *Estimating Syphilis Seroprevalence Among Patients in a Sexually Transmitted Infections Clinic in Lilongwe, Malawi*.
37. Hood R, Turner AT, Huber-Krum S, **Lancaster KE**, Mwapasa V, Poindexter T, Nampanjeni P, Esber A, Norris AH. *Willingness and Uptake of Self-Collected Vaginal Samples for HPV Testing in Rural Malawi*.

### **BOOKS AND CHAPTERS**

Haley DF, Vo-Green L, Parker K, Frew P, Golin CE, Amola O, Hodder S, Kuo I, Amsterdam A, **Lancaster KE**, Jones L, Adimora AA, Blackstock O, O'Leary A, Soto-Torres L, MacQueen K. "Qualitative Methodological Approach". O'Leary A and Frew P. (eds.) *Poverty in America: Women's Voices*. New York, NY: Springer. 2017.

### **CONFERENCE PRESENTATIONS**

*\*denotes oral presentation*

**Lancaster KE\***, Hetrick A, Sripaipan T, HA TV, Quynh CA, Latkin CA, Hutton HE, Chander G, Go VF. *Development of a Scale Measuring Stigma Towards Alcohol Abstinence Among People Living with HIV in Vietnam*. STI & HIV 2019 World Congress (Joint Meeting of the 23rd ISSTD and 20th IUUSTI). Vancouver, Canada. July 2019.

**Lancaster KE**, Lungu T, Bula A, Shoben A, Hosseinipour MC, Kohler RE, Hoffman IF, Go VF, Golin CE, Wheeler SB, Miller WC. *Preferences for PrEP delivery among FSW in Malawi using a discrete choice experiment*. Conference on Retroviruses and Opportunistic Infections (CROI). Seattle, WA. March 2019.

Dumchev K\*, Miller WC, Hanscom BS, Ha TV, Djoerban Z, Rose SM, Latkin CA, Metzger D, **Lancaster KE**, Go VF, Dvoriak S, Mollan KR, Reifeis SA, Piwowar-Manning E, McKinstry L, Eshleman S, Susami H, Viet CA, Burns D, Hoffman IF. *An integrated intervention to increase*

*ART and MAT reduced mortality among PWID: Results from the HPTN 074 randomized trial.* HIV Research for Prevention 2018. Madrid, Spain. October 2018.

Hood R, Turner AN, Huber S, **Lancaster KE**, Mwapasa V, Poindexter T, Nampondeni P, Esber A, Norris A. *Acceptability and Uptake of Self-Collected Vaginal Samples for HPV Testing in Rural Malawi.* International Union against Sexually Transmitted Infections (IUSTI) 2018 Congress. Dublin, Ireland. June 2018

Miller WC, Hoffman IF, Hanscom B, Ha TV, Dumchev K, Djoerban Z, Rose S, **Lancaster KE**, Go VF, Reifeis S, Piwowar-Manning E, Latkin CA, Metzger D, Burns D, and the HPTN Protocol Team. *Impact of systems navigation and counseling on ART, SUT, and death in PWID: HPTN 074.* Conference on Retroviruses and Opportunistic Infections (CROI). Boston, MA. March 2018.

Miller WC, Hoffman I, Rose S, Reifeis S, Hamilton EL, **Lancaster KE**, Hanscom B, Piwowar-Manning E, Duong BD, Dumchev K, Djoerban Z, Burns D, HPTN 074 Study Team. Regional differences in injection drug use behaviors: baseline results from the HPTN 074 vanguard HIV prevention trial. International AIDS Society Conference 2017. July 2017; Paris, France

**Lancaster KE**, Shea J, Bula A, Davis D, Dunda W, Kohler RE, Wheeler SB, Hosseinipour MC, Miller WC, Go VF, Lungu T\*. *"The drug will help protect my tomorrow": Awareness, willingness, and preferences to use pre-exposure prophylaxis (PrEP) among female sex workers in Lilongwe, Malawi.* 11<sup>th</sup> INTEREST Workshop. Lilongwe, Malawi. May 2017.

Muessig K, Zalla L, Emmanuel E, Bula A, Cloete A, Chilundo S, Sapalao P, Herce M, Miller W, **Lancaster KE**, Weir S. *Minimizing unintended risks of HIV-related programmatic mapping among key populations: introducing the mapping readiness assessment.* International AIDS Conference. Durban, South Africa. July 2016.

**Lancaster KE\***, Lungu T, Hosseinipour MC, Chadwick K, Dibb Z, Go VF, Pence BW, Powers KA, Hoffman IF, Miller WC. *Closing the gap: Integrating mobile HIV testing and point-of-care CD4 testing for timely identification of HIV-infected and ART-eligible venue-based female sex workers in Lilongwe, Malawi.* IAS Conference on HIV Pathogenesis, Treatment and Prevention (IAS). Vancouver, Canada. July 2015.

**Lancaster KE**, Lungu T, Hosseinipour MC, Chadwick K, Dibb Z, Go VF, Pence BW, Powers KA, Hoffman IF, Miller WC. *Engagement in the HIV care continuum among female sex workers in Lilongwe, Malawi.* Conference on Retroviruses and Opportunistic Infections (CROI). Seattle, WA. February 2015.

Herce ME, Mtande TK, Chimbwandira F, Mofolo I, Chingondole C, Rosenberg NE, **Lancaster KE**, Hosseinipour M, van der Horst C. *Option B+ Scale Up and Comprehensive PMTCT Service Delivery in Central Malawi.* Conference on Retroviruses and Opportunistic Infections (CROI). Seattle, WA. February 2015.

Herce M, **Lancaster KE**, Kumwenda W, Geldof M, Chingondole C, Mwafulirwa T, Mtande TK, Ollis S, Kamanga E, Besela P, Nkhata G, Gondwe C, Chibatata J, Malenga R, Eliya H, Midian D, Hosseinipour M, Hoffman I, Martinson F, van der Horst C, Mitchell M, Routen T, Mofolo I. *Applying mHealth technology in rural African health centers to support prevention of mother-to-child transmission service delivery: A feasibility pilot from rural Dowa district, Malawi.* International AIDS Conference. Melbourne, Australia. July 2014.

**Lancaster KE**, Lippman S, Maman S, Kahn K, MacPhail C, and Pettifor A. *Hazardous alcohol consumption and sexual partner concurrency among adults in rural South Africa.* International Society for Sexually Transmitted Diseases Research (ISSTD). Vienna, Austria. July 2013.

**Lancaster KE\***, Kwok C, Rinaldi A, Byamugisha J, Magwali T, Nyamapfeni P, Salata RA, and

Morrison C. *Pregnancy outcome among HIV-infected women in Uganda and Zimbabwe*. 3rd International Workshop on HIV & Women. Toronto, Canada. January 2013.

Frew PM\*, del Rio C, Kuo I, O'Leary A, Chege W, Justman J, Golin CE, Haley DF, Root C, Waller H, Jones L, **Lancaster KE**, Amsterdam A, Lucas J, and Hodder SL for the HIV Prevention Trials Network Women's HIV Seroincidence Study (ISIS) Team. *Multilevel determinants of women's HIV risk in the United States: Qualitative implications for intervention development from the HIV Prevention Trial Network's (HPTN) Women's HIV Seroincidence Study (ISIS)*. International AIDS Society (IAS). Rome, Italy. July 2011.

Kuo I, O'Leary A, Justman J, Frew P, Golin CE, Haley DF, Amsterdam A, **Lancaster KE**, Waller H, Jones L, Lucas JP, Soto-Torres L and Hodder SL, for the HIV Prevention Trials Network (HPTN) Women's HIV Seroincidence Study (ISIS) Team. *Condom use among U.S. women at high risk for HIV infection—implications for HIV prevention*. International AIDS Society (IAS). Rome, Italy. July 2011.

Golin C, Haley DF, Frew P, Kuo I, Soto-Torres L, Justman J, Waller H, Amola O, Jones L, Amsterdam A, Smith J, **Lancaster KE**, Lucas JP, O'Leary A and Hodder SL on behalf of the HIV Prevention Trials Network (HPTN) 064. HIV Seroincidence (ISIS) Team, *Male attitudes toward HIV Testing among Men in 4 US Cities*. International AIDS Society (IAS). Rome, Italy. July 2011.

L'Engle K\*, Lanham M, **Lancaster KE**. *Qualitative testing of a theoretical model of partial protection, risk, and behavior related to voluntary medical male circumcision*. World Congress for Sexual Health. Glasgow, UK. June 2011.

**Lancaster KE**, Reddy EA Stout JE, Njau B, Morpeth SC, Tribble AC, Msuya L, Crump JA, Shao JF, Morrissey AB, Hamilton CD. *TB in HIV Infected and Uninfected Children and Adults: Effect of Sputum Quality on Microbiologic Diagnosis of Tuberculosis among Patients in Northern Tanzania*. International AIDS Conference. Vienna, Austria. July 2010

Reddy EA, **Lancaster KE**, Stout JE, Njau B, Morpeth SC, Tribble AC, Msuya L, Crump JA, Shao JF, Morrissey AB, Hamilton CD. *High Mortality among Patients with TB Symptoms at Healthcare Facilities in Moshi, Tanzania: Considerations for TB Diagnostics, Lung Health and Health Systems Strengthening*. American Thoracic Society International Conference. New Orleans, LA. May 2010

**Lancaster KE**, Perry S, Rabito, F. *Occupational exposures and blood lead levels of Latino migrant day laborers in New Orleans Post-Katrina*. University of Tulane Health Sciences Research Days. New Orleans, LA. February 2009.

Rabito FA\*, Holt EW, **Lancaster KE**. *The New Orleans Healthy Homes Project: Indoor allergen levels in a cross-sectional sample of New Orleans homes*. U.S. Department of Housing and Urban Development (U.S. HUD) Healthy Homes Conference. Baltimore, MD, September 2008.

## **TEACHING ACTIVITIES**

### ***Graduate Level Teaching***

Spring 2019 **Primary Instructor**, PUBHEPI 7410 "Epidemiology II", College of Public Health, Ohio State University (4 credits). 54 Students.

Autumn 2018 **Primary Instructor**, PUBHLTH 6000 "Introduction to Global Health", College of Public Health, Ohio State University (2 credits). 28 Students

Spring 2018 **Primary Instructor**, PUBHEPI 7410 "Epidemiology II", College of Public



Health, Ohio State University (4 credits). 48 Students.

### **Guest Lectures**

- Mar 2017 Presented “Malawi HIV Epidemic: Key Populations and the Role of Substance Use” to the Epidemiology graduate course EPID 757 “Epidemiology of HIV/AIDS in Developing Countries” (taught by Dr. Sharon Weir), **University of North Carolina at Chapel Hill**
- Apr 2016 Presented “Behavior and Infectious Diseases” to the Epidemiology graduate course EPID 755 “Infectious Disease Epidemiology” (taught by Dr. Audrey Pettifor), **University of North Carolina at Chapel Hill**
- Mar 2015 Presented “International Program Evaluation” to the Health Policy and Management graduate course HPM 472 “Program Evaluation in Health Care” (taught by Dr. Pam Silberman), **University of North Carolina at Chapel Hill**
- Sept 2012 Presented “Etiology and Causality” to the Epidemiology graduate course EPID 711, PUBH 760 “Clinical Measurement and Evaluation” (taught by Dr. William Miller). **University of North Carolina at Chapel Hill.**

### **INVITED ORAL PRESENTATIONS AND SEMINARS**

- Jun 2019 Presented “Achieving Viral Suppression Among PWID” at the **HPTN Community Working Group Plenary**, Washington, DC
- Dec 2018 Panel Member, NIDA Cohorts/C3PNO Annual Meeting, **National Institute of Drug Abuse**, Rockville, MD
- Mar 2018 Presented “My (Global) Public Health Journey” at the **Center of Science and Industry** in Columbus, OH
- Oct 2017 Presented “Substance use among women in Appalachia “at **The Ohio State University’s Center for Women’s Health** in Columbus, OH
- Feb 2016 Presented “PrEP for Key Populations Uptake Toolkit” to the OPTIONS Consortium at **FHI 360** in Durham, NC
- May 2015 Presented “The HIV care continuum among female sex workers, a key population in Lilongwe, Malawi” at the **UNC Institute for Global Health and Infectious Disease, Division of Infectious Diseases, and Center for AIDS Research Friday Morning Conference** in Chapel Hill, NC
- Mar 2015 Presented “A Lilongwe from Home: HIV Research and Training in Malawi” at the **6<sup>th</sup> Annual Consortium of Universities for Global Health** in Boston, MA
- Mar 2015 Presented “LINKAGES: New Biomarker Tools for Measuring Viral Load and CD4” to the LINKAGES Technical Advisory Group at **FHI 360** in Washington, DC
- Apr 2014 Presented “Alcohol use disorders and HIV spectrum of care among female sex works in Malawi” at the work in progress meeting at **UNC Project-Malawi** in Lilongwe, Malawi
- Jul 2011 Presented “On the Road Again: Concurrency and Condom Use among Ugandan Truck Drivers” at **FHI 360** in Durham, NC

Jul 2010 Presented “Beginnings of a Global Health Research Fellow” at **FHI 360** in Durham, NC

## **TRAININGS**

Jan 2016 Trainer, Reducing hazardous alcohol use and HIV viral load: a randomized control trial in antiretroviral clinics in Vietnam (REDART), cognitive interviewing, study intervention, and assessment training (Vietnam)

Apr 2015 Trainer: Integrated treatment and prevention for people who inject drugs: A vanguard study for a network-based randomized HIV prevention trial comparing an integrated intervention including supported antiretroviral therapy to the standard of care (HPTN 074), protocol and intervention training (Indonesia)

Jan 2015 Trainer, Integrated treatment and prevention for people who inject drugs: A vanguard study for a network-based randomized HIV prevention trial comparing an integrated intervention including supported antiretroviral therapy to the standard of care (HPTN 074), protocol and intervention training (Vietnam)

Sept 2014 Trainer, “Introduction to Qualitative Research: Interviewer Skills”, Theatre for a Change Learning Days (Malawi)

May 2014 Trainer, Alcohol use disorders and HIV spectrum of care among female sex works in Malawi, protocol training (Malawi)

Mar 2011 Trainer, HPTN 064: The Women’s HIV Seroprevalence Study (ISIS), qualitative Analysis Workshop (Durham, NC)

Feb 2010 Trainer, Community Perceptions of a Potential Malaria Vaccine, protocol training (Burkina Faso, Mozambique)

Nov 2009 Trainer, HPTN 064: The Women’s HIV Seroprevalence Study (ISIS), recruitment and retention training (Newark, NJ, Bronx, NYC, Harlem, NYC)

## **MANUALS AND REPORTS**

**Lancaster KE**, Herce M, Muessig K, Weir S. *Manual for Utilizing Dried Blood Spots to Describe the HIV Care Continuum among Key Populations*. March 2015.

Muessig K, Weir S, **Lancaster KE**, Herce M, Miller WM, Harris MS. Programmatic Mapping Readiness Assessment for use with Key Populations. July 2015

Latkin C, Zelaya C, **Lancaster KE**, Tobin K. *Intervention Manual: A research guide for counselors and system navigators conducting the intervention for HIV Prevention Trials Network 074*. January 2015

**Lancaster KE**, Guest G. *Technical Report of Community Perceptions of a Potential Malaria Vaccine in Mozambique*. December 2011

Family Health International, contributing author. *Oral Contraception in Uttar Pradesh*. January 2010

## **RESEARCH SUPPORT**

### ***Ongoing Research Support***

1 K01 DA048174-01 Lancaster (PI) 03/2019 – 02/2024  
*The role of injection partnerships and preferences for reducing HCV risk: Giving a voice to young*  
Lancaster, KE Page | 10  
March 2019

*women in rural Appalachia*

Hepatitis C virus is dramatically rising in rural Appalachia, placing young women who inject drugs at risk within their injection partnerships. Using a mixed methods approach, the proposed project will 1) examine factors within injection partnerships that influence HCV risk and 2) measure preferences for obtaining services that reduce HCV risk among young women who inject drugs. The proposed training will enhance the skills needed for the applicant to become an independent investigator capable of securing R01 funding from NIDA and making a significant contribution to the field of substance use and blood-borne infections among women in underserved areas.

Role: Principal Investigator

Source: NIDA

1U01TR002631-01 Korthuis/Young (MPIs) 10/2018 – 09/2023

*Peer-based Retention Of people who Use Drugs in Rural Research (PROUD-R2)*

The Peer-based Retention Of people who Use Drugs in Rural Research (PROUD-R2) study tests strategies to improve retention of PWUD in research in rural communities, and fosters facilitation of rural participants into clinical trials. This study leverages the national Rural Opioids Initiative infrastructure in Oregon and Appalachian Kentucky and Ohio—a multi-state consortium studying access to care and prevention of overdose and infectious consequences of opioid use in rural America.

Role: OSU Administrative Principal Investigator

Source: NCATS

1R01DA047876-01 Go/Miller (MPIs) 09/2018 – 06/2023

*Scaling up HPTN 074: A Cluster Randomized Implementation Trial of an Evidence-Based Intervention for Antiretroviral Therapy for PWID in Vietnam*

This study will compare two implementation strategies for systems navigation and psychosocial counseling (SNaP)—both are based on the concept of Intervention Mapping. Upon completion, this study will provide guidance for the global implementation of the HPTN 074 intervention, SNaP, as well as other EBI. Importantly, this guidance will not depend on the superiority of TIM relative to IM, but will be informative with a positive or a negative comparison. With this information and guidance, the success of HPTN 074 will be replicable worldwide.

Role: Co-Investigator

Source: NIDA

(Yotebieng) 07/2016 – 06/2021

Yeshiva University (Prime PI: Anastos)

*Prime application submitted to NIAID by Yeshiva in response to RFA-AI-15-017*

*Central Africa International Epidemiologic Databases to Evaluate AIDS (CA-IeDEA)*

This the competitive renewal of the IeDEA Central Africa Region, a multi-partner, multi-center project that will combine data on cohorts of patients receiving HIV care and treatment in the Central Africa region.

Role: Co-Investigator

Source: NIAID

UG3DA044822 Go/Miller (MPIs) 06/2017-05/2022

*Implementing a Community-Based Response to the Opioid Epidemic in Rural Ohio*

The study will develop and implement a service delivery plan for evidence-based interventions (EBI) that can be scaled up in rural Ohio as well as other rural areas in the US experiencing opioid epidemics. In phase I (UG3), we will use a mixed methods approach to assess the socio-cultural and political context of the epidemic across multiple levels, including agencies, health care and service providers, and people who inject opioids, in rural Appalachia. Building on this data, we will identify service gaps and work closely with key community stakeholders to build

consensus around and prioritize the most relevant, feasible and acceptable implementation strategies to deliver EBI. In Phase II (UH3), we will implement, monitor and adapt our service delivery plan for opioid injectors.

Role: Investigator

Source: NIDA

5R01AI114320-02 Miller (PI) 08/2015-07/2019

*Reaching unaware sexual and social contacts to interrupt ongoing HIV transmission*

The primary purpose of this research is to assess the benefit of an "unaware intervention package" for identifying high risk persons who are unaware of their HIV infection status. This intervention package includes screening for acute HIV infection, contact sexual partner referral, and peer referral.

Role: Investigator

Source: NIAID

Opioid Innovation Fund Lancaster/Ricks (Co-PIs) 03/2018-04/2019

*Development of a Community and Social Network-Based Campaign to Reduce Opioid-Related Stigma and Overdose*

The objective of this project is to use mixed methods for developing a bold and clear community and social network-based opioid overdose reversal campaign within Central Ohio.

Role: Co-Principal Investigator

Source: Ohio State University

Opioid Innovation Fund Teater 03/2018-04/2020

*Integrated Medication Assisted Treatment (I-MAT)*

This project will evaluate initiation of medication-assisted treatment (e.g., methadone and buprenorphine) in the hospital for patients who exhibit an opioid-use problem to ensure immediate continued medication-assisted treatment in the community. Research suggests the approach could reduce subsequent opioid abuse and decrease the need for patients to enter a treatment facility.

Role: Consultant

Source: Ohio State University

Opioid Innovation Fund Mengo/Yoon (Co-PIs) 03/2018-04/2019

*Building recommended practices for working with domestic violence survivors who use opioids in residential services: A community engagement approach*

Our interdisciplinary research team, in collaboration with the Ohio Domestic Violence Network (ODVN)—the federally recognized statewide coalition of Ohio's 72 DV service providers—is proposing a needs assessment-planning project to address opioid issues in service provision.

Role: Co-Investigator

Source: Ohio State University

### **Completed Research Support**

NIH/HPTN, NIDA, NIAID Miller/Hoffman (MPIs) 08/2012-11/2018

*Integrated treatment and prevention for people who inject drugs: A vanguard study for a network-based randomized HIV prevention trial comparing an integrated intervention including supported antiretroviral therapy to the standard of care (HPTN 074)*

This study will assess the feasibility of facilitated HIV care and treatment for injecting drug users and the potential for an impact on HIV prevention through treatment.

Role: Protocol Team Member and Interventionist

Source: NIH/HPTN, NIDA, NIAID

Supplement to NIAID U01AI096299 Yotebieng (PI) 07/2017-06/2018  
*Pregnancy outcomes and long-term clinical outcomes among HIV-exposed uninfected children in the option B/B+ area*

This is a supplement from NICHD aiming at establishing a routine data collection system on HIV-exposed uninfected and HIV unexposed children born after November 2010 in 10 health facilities in Rwanda, to study the potential impact of HIV and antiretroviral therapy in-utero and during breastfeeding exposure on child development outcomes. The supplement is renewable depending on results.

Role: Investigator

P30 AI50410 Lancaster (sub-award PI) 02/2016-12/2017  
*Assessing preferences for optimizing PrEP uptake among female sex workers in Malawi—a discrete choice experiment*

This is a developmental proposal to examine preferences, attitudes, and acceptability of existing, and hypothetical, attributes of PrEP uptake and adherence for female sex workers in Malawi. This study will provide the evidence necessary to support the development of an R01 trial evaluating an implementation intervention to enhance PrEP uptake and adherence among HIV-uninfected FSW in Malawi.

Role: Principal Investigator

Source: Center for AIDS Research (Developmental Award)

5R01DK108424 Cohen (PI) 08/2016-07/2017  
*The Compartmental Biology of HIV in the Male Genital Tract*

Work by our group and others has shown that antiretroviral treatment reduces the concentration of HIV in semen, and accordingly-treated people are less contagious. However, even with treatment HIV RNA can be recovered from seminal plasma and HIV DNA from seminal cells.

This study seeks to understand "residual shedding" of HIV so as to determine ongoing potential for HIV transmission, and to develop strategies to eliminate HIV from the male genital tract. We plan to better understand the pharmacology of ART in the male genital tract, to study virus shed in spite of treatment, and the conditions (factors) in semen that appear to permit HIV detection. We hope these results will determine the basis for "residual shedding."

Role: Investigator

Source: NIDDKD

US Agency for International Development Weir (subcontract-PI) 08/2015-07/2017  
*LINKAGES*

Linkages across the Continuum of HIV Services for Key Populations Affected by HIV Project (LINKAGES) is a five-year cooperative agreement funded by the U.S. President's Emergency Plan for AIDS Relief. The purpose is to conduct a range of activities to reduce HIV transmission among key populations — sex workers, men who have sex with men, transgender persons and people who inject drugs — and to improve their enrollment and retention in care.

Role: Epidemiologist and Malawi Technical Advisor

Source: USAID

T32 AI 07001-34 Miller (PI) 08/2014-08/2015  
*Training in Sexually Transmitted Diseases and HIV Training Grant*

This was funding to support the conduct of interdisciplinary STD/HIV research and to facilitate professional growth and development to ensure academic and research success.

Role: Predoctoral Trainee

Source: NIAID

R25 TW009340 Van Der Horst (PI) 08/2013-08/2014  
*UNC Hopkins Morehouse Tulane Fogarty Global Health Fellows Program*  
Partnership among UNC-CH, JHU, Morehouse and Tulane to provide training in global health research in 17 international sites in Africa (Ghana, Malawi, South Africa (2), Swaziland, Uganda (2), Zambia), Asia (Bangladesh, China (3), India, Thailand) and South America (Argentina, Brazil, Peru) in broad array of communicable and non-diseases.  
Role: Pre-doctoral Global Health Fellow  
Source: FIC

5R01MH087118-02 Pettifor (PI) 08/2011-05/2012  
*Effects of Cash Transfer and Community Mobilization in Young South African Women*  
The objective is to determine the effect of an innovative, multi-level HIV prevention intervention that will jointly address both structural and social factors that contribute to young women's increased vulnerability to HIV. Families of young women will be provided with cash transfers conditional on the young women attending school with the goal of reducing the young women's HIV risk by keeping her in school by improving her family's economic resources (structural factors).  
Role: Research Assistant  
Source: NIMH

## **PROFESSIONAL SERVICE**

### ***University Service***

2017-present Co-Chair of PhD and MS Epidemiology Admission Committee, OSU  
2018 Facilitator, Center for Clinical and Translational Science Annual Meeting  
2017 College of Public Health Student Case Competition, OSU. Served as faculty judge for competition.  
2017-present UNC-CH, JHU, Morehouse and Tulane (UJMT) Global Health Fellowships review committee. Conduct candidate application reviews and assessments.  
2016 UNC Doris Duke and Fogarty Fulbright International Clinical Research Fellowships review committee. Conduct candidate application reviews, interviews, and assessments for Malawi and Vietnam positions.

### ***National/International Service***

#### **Editorial Board**

2019-present *Sexually Transmitted Diseases, Invited member of Editorial Board*

#### **Ad Hoc Journal Reviews**

*Addiction, African Journal of AIDS Research, AIDS and Behavior, Drug and Alcohol Dependence, International Journal of STDs & AIDS, Journal of Acquired Immune Deficiency Syndromes, Journal of Addiction Medicine, Obstetrics & Gynecology, PLoS One, Sexually Transmitted Diseases, Sexually Transmitted Infections*

#### **Professional Societies and Working Groups**

2019-present American Sexually Transmitted Diseases Association (ASTDA)  
2018-present Society of Epidemiologic Research  
2015-present International AIDS Society  
2009-2017 Triangle Global Health Consortium  
2010-2015 Triangle Area Population Association (TAPS)

2010-2012  
2010-2011

Global Health Council  
Faculty of 1000, Associate Faculty Member