

# DREW A. WESTMORELAND, MSPH, PhD

(ABBREVIATED CV, UPDATED AUG. 2023)

♦ *University Address:* 2004 Mowry Rd, Room 4246, Gainesville, FL 32610 ♦

♦ *Email Address(es):* westmorelanddrew@ufl.edu ♦

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## EDUCATION & TRAINING:

Aug. 2018— Aug. 2019	Post-doctoral Fellow	<i>Institute for Implementation Science in Population Health, City University of New York, New York, New York</i>
2018	Doctor of Philosophy, Epidemiology	<i>University of California, Los Angeles, Los Angeles, California</i>
2012	Master of Science in Public Health, Epidemiology	<i>University of South Carolina, Columbia, South Carolina</i>
2009	Bachelor of Science, Public Health Sciences; Minor, Psychology	<i>Clemson University, Clemson, South Carolina</i>

## POSITIONS & APPOINTMENTS:

Aug. 2022 – present	Assistant Professor	<i>Department of Epidemiology, College of Medicine &amp; College of Public Health and Health Professions, University of Florida, Gainesville, Florida</i>
Oct. 2020 – July 2022	Research Assistant Professor	<i>CUNY School of Public Health and Health Policy, Institute for Implementation Science in Population Health, City University of New York, New York, New York</i>
Aug. 2020 – July 2022	Adjunct Assistant Professor	<i>Department of Epidemiology and Biostatistics, CUNY School of Public Health and Health Policy, City University of New York, New York, New York</i>
Aug. 2019 – Sept. 2020	Research Scientist	<i>Institute for Implementation Science in Population Health, City University of New York, New York, New York</i>

## AFFILIATIONS:

Jun. 2023 – present	Assistant Director, <i>Southern HIV and Alcohol Research Consortium, University of Florida</i>
Jan. 2023 – present	Affiliate Member, <i>Miami Center for AIDS Research (CFAR)</i>
Nov. 2022 – present	Faculty Member, <i>Emerging Pathogens Institute, University of Florida</i>
Aug. 2022 – present	Core Faculty Member, <i>Southern HIV and Alcohol Research Consortium, University of Florida</i>

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- Aug. 2022 – present      Affiliated Investigator, *CUNY Institute for Implementation Science in Population Health, CUNY School of Public Health and Health Policy, City University of New York, New York, New York*
- Aug. 2018 – present      Investigator, *Einstein-Rockefeller-CUNY Center for AIDS Research (ERC-CFAR)*

### HONORS, AWARDS, & FELLOWSHIPS:

- 2022 – 2024      National Institutes of Health Loan Repayment Program Awardee (L60AA030435)
- 2017 – 2018      University of California, Los Angeles. Bixby Doctoral Fellowship on Population and Reproductive Health
- 2016 – 2017      University of California, Los Angeles. Fellowship in Epidemiology
- 2015 – 2016      University of California, Los Angeles. Graduate Research Mentorship Fellowship
- 2014 – 2015      University of California, Los Angeles. Fellowship in Epidemiology
- 2014      Scholarship to attend the 2014 Network Modeling for Epidemics Workshop at the University of Washington, in Seattle, Washington
- 2014      University of California, Los Angeles. Graduate Summer Research Mentorship Fellowship
- 2013 – 2014      University of California, Los Angeles. Fellowship in Epidemiology
- 2012      Certificate of Achievement for support to Alpha Company's Cadre and Soldiers in Training Presented by Alpha Company 187<sup>th</sup> Ordnance Battalion, Fort Jackson, Columbia, South Carolina

### RESEARCH INTERESTS:

1. HIV and STI epidemiology
2. Sexual health, sexual behavior, and behavior related to sexual health (e.g., alcohol and substance use)
3. Innovative uses of technology in epidemiologic research to engage vulnerable populations
4. Applied network analysis in sexual health-related research and interventions

### PRESENTATIONS & PUBLICATIONS:

#### *Peer-reviewed publications:*

1. Ng, Y., Chang, M., Robertson, M., Grov, C., Maroko, A., Zimba, R., **Westmoreland, D.**, Rane, M., Mirzayi, C., Parcesepe, A., Kulkarni, S., Salgado-You, W., Cohen, N., & Nash, D. (In-press). Food Insecurity During the First Year of COVID-19: An Analysis of Employment and Sociodemographic Factors Among Participants in the CHASING COVID Cohort Study. *Public Health Reports*.
2. Parcesepe, A.M., Robertson, M.R., Berry, A., Maroko, A., Zimba, R., Grov, C., **Westmoreland, D.**, Kulkarni, S., Rane, M., Salgado-You, W., Mirzayi, C., Waldron, L., & Nash, D. (In-Press). Psychosocial stressors and maternal mental health in the U.S. during the COVID-19 pandemic: a cross-sectional analysis. *Maternal and Child Health Journal*.

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3. Goldshear, J.L., **Westmoreland, D.A.**, Carrico, A.W. and Grov, C. 2023. Drug use typology, demographic covariates, and associations with condomless anal sex: A latent class analysis among a US national cohort of men who have sex with men. *International Journal of Drug Policy*, 112, p.103949.
4. Robertson, M.M., Shamsunder, M.G., Brazier, E., Mantravadi, M., Zimba, R., Rane, M.S., **Westmoreland, D.A.**, Parcesepe, A.M., Maroko, A.R., Kulkarni, S.G. and Grov, C. 2022. Racial/Ethnic Disparities in Exposure, Disease Susceptibility, and Clinical Outcomes during COVID-19 Pandemic in National Cohort of Adults, United States. *Emerging Infectious Diseases*, 28(11), pp.2171-2180.
5. Nash, D., Qasmieh, S., Robertson, M., Rane, M., Zimba, R., Kulkarni, S.G., Berry, A., You, W., Mirzayi, C., **Westmoreland, D.**, Parcesepe, A., Waldron, L., Kochhar, S., Maroko, A., & Grov, C. 2022. Household factors and the risk of severe COVID-like illness early in the US pandemic. *PLoS One*, 17(7), p.e0271786.
6. Nash, D., Rane, M.S., Robertson, M.M., Chang, M., Kulkarni, S.G., Zimba, R., You, W., Berry, A., Mirzayi, C., Kochhar, S., Maroko, A., **Westmoreland, D.A.**, Parcesepe, A.M., Waldron, L., & Grov, C. Severe Acute Respiratory Syndrome Coronavirus 2 Incidence and Risk Factors in a National, Community-Based Prospective Cohort of US Adults. *Clinical Infectious Diseases*. 2023 Feb 8;76(3):e375-e384. doi: 10.1093/cid/ciac423. PMID: 35639911; PMCID: PMC9213857.
7. D'Angelo, A. B., Zohra, F., **Westmoreland, D.A.**, & Grov, C. (2023). Changes in Health Insurance During COVID-19 Among a U.S. National Cohort of Gay and Bisexual Men. *Annals of LGBTQ Public and Population Health*. DOI: 10.1891/LGBTQ-2022-0001.
8. Rane, M., Kochhar, S., Poehlin, E., You, W., Robertson, M., Zimba, R., **Westmoreland, D.**, Romo, M., Kulkarni, S., Change, M., Berry, A., Grov, C., & Nash, D. (In-press). Determinants of COVID-19 vaccine hesitancy and vaccine uptake in a national cohort of U.S. adults. *American Journal of Epidemiology*.
9. Rane, M. S., Robertson, M.M., **Westmoreland, D.A.**, Teasdale, C.A., Grov, C., & Nash, D. (2022). Intention to Vaccinate Children against COVID-19 among vaccinated and unvaccinated U.S. parents. *JAMA pediatrics*, 176(2), 201-203.
10. Grov, C., Zohra, F., **Westmoreland, D.**, Mirzayi, C., D'Angelo, A., Stief, M., Kulkarni, S., Nash, D., & Carrico, A. (2022). Sex in the era of COVID-19 in a U.S. national cohort of sexual and gender minorities: April – May 2020. *Archives of sexual behavior*, 51(1), 343-354.
11. Rendina, H. J., Talan, A., Sizemore, K. M., Tavella, N. F., Salfas, B., Shalhav, O., **Westmoreland, D.**, Mustanski, B., & Rodríguez-Díaz, C. E. (2022). Examining inequities in rates of undiagnosed HIV and sexually transmitted infections in a large nationwide cohort study of sexual minority men. *Sexually Transmitted Infections*, 98(4), 269-276.
12. Zimba, R., Romo, M.L., Kulkarni, S.G., Berry, A., You, W., Mirzayi, C., **Westmoreland, D.A.**, Parcesepe, A.M., Waldron, L., Rane, M.S., Kochhar, S., Robertson, M.M., Maroko, A.R., Grov, C., & Nash, D. (2021). Patterns of SARS-CoV-2 Testing Preferences in a National Cohort in the United States: Latent Class Analysis of a Discrete Choice Experiment. *JMIR public health and*

surveillance, 7(12), p.e32846.

13. D'Angelo, A.B., Argenio, K., **Westmoreland, D.A.**, Appenroth, M., & Grov, C. (2021). Health and Access to Gender-Affirming Care During COVID-19: Experiences of trans and gender diverse men assigned female sex at birth. *American Journal of Men's Health*, 15(6), 15579883211062681.
14. Robertson, M.M., Kulkarni, S.G., Rane, M., Kochhar, S., Berry, A., Chang, M., Mirzayi, C., You, W., Maroko, A., Zimba, R., **Westmoreland, D.**, Grov, C., Parcesepe, A.M., Waldron, L., & Nash, D. (2021). Cohort profile: a national, community-based prospective cohort study of SARS-CoV-2 pandemic outcomes in the USA-the CHASING COVID Cohort study. *BMJ Open*. 2021 Sep 21;11(9):e048778. doi: 10.1136/bmjopen-2021-048778. PMID: 34548354
15. Krueger, E.A., **Westmoreland, D.A.**, Choi, S.K., Harper, G.W., Lightfoot, M., Hammack, P.L., & Meyer, I.H. (2021). Mental health among Black and Latinx sexual minority adults leading up to and following the 2016 U.S. presidential election: Results from a natural experiment. *LGBT health*, 8(7), 454-462.
16. D'Angelo, A. B., **Westmoreland, D. A.**, Carneiro, P. B., Johnson, J., & Grov, C. (2021). Why Are Patients Switching from Tenofovir Disoproxil Fumarate/Emtricitabine (Truvada) to Tenofovir Alafenamide/Emtricitabine (Descovy) for Pre-Exposure Prophylaxis? *AIDS Patient Care and STDs*, 35(8), 327-334.
17. Grov, C., **Westmoreland, D.A.**, D'Angelo, A.B., & Pantalone, D.W. (2021). How Has HIV Pre-Exposure Prophylaxis (PrEP) Changed Sex? A Review of Research in a New Era of Bio-behavioral HIV Prevention. *The Journal of Sex Research*, 58(7), 891-913.
18. **Westmoreland, D.A.**, Goldshear, J., Carrico, A., & Grov., C. (2021). Associations of prescription stimulant misuse with subsequent methamphetamine use among a US cohort of HIV-vulnerable sexual and gender minorities who have sex with men. *Drug and alcohol dependence*, 226, 108841.
19. Grov, C., **Westmoreland, D.A.**, Carneiro, P.B., Bauermeister, J.A., & Carrico, A.W. (2021). Getting clear about rectal douching among men who have sex with men. *Archives of Sexual Behavior*.
20. Mehrotra, M.L., **Westmoreland, D.A.**, Patel, V.V., Hojilla, J.C. and Grov, C., (2021). Breaking Inertia: Movement Along the PrEP Cascade in a Longitudinal US National Cohort of Sexual Minority Individuals at Risk for HIV. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 86(5), pp.e118-e125.
21. Zimba, R., Kulkarni, S., Berry, A., You, W., Mirzayi, C., **Westmoreland, D.**, Parcesepe, A., Waldron, L., Rane, M., Kochhar, S., Robertson, M., Maroko, A., Grov, C., & Nash, D. (2020). SARS-CoV-2 Testing Service Preferences of Adults in the United States: Discrete Choice Experiment. *JMIR public health and surveillance*, 6(4), e25546.
22. Zarwell, M., John, S.A., **Westmoreland, D.**, Mirzayi, C., Pantalone, D.W., Golub, S., Nash, D. and Grov, C., (2021). PrEP Uptake and Discontinuation Among a US National Sample of Transgender Men and Women. *AIDS and Behavior*, 25(4), pp.1063-1071.

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23. **Westmoreland, D.A.**, Gorbach, P.M., Holloway, I.W., Arah, O.A., & Javanbakht, M. (2021). Individual and Partnership Factors Associated with Heterosexual Anal Intercourse Among Attendees of Public Sexually Transmitted Disease Clinics in Los Angeles County. *Archives of Sexual Behavior*, 50, 347–358 (2021). <https://doi.org/10.1007/s10508-020-01831-7>
24. Rendina, H.J., Talan, A.J., Tavella, N.F., Matos, J.L., Jimenez, R.H., Jones, S.S., Salfas, B. and **Westmoreland, D.** (2021). Leveraging technology to blend large-scale epidemiologic surveillance with social and behavioral science methods: Successes, challenges, and lessons learned implementing the UNITE longitudinal cohort study of HIV risk factors among sexual minority men in the United States. *American Journal of Epidemiology*, 190(4), pp.681-695.
25. **Westmoreland, D.A.**, Carrico, A.W., Goodwin, R.D., Pantalone, D.W., Nash, D., & Grov, C. (2020). Higher and Higher? Drug and Alcohol Use and Misuse among HIV-Vulnerable Men, Trans Men, and Trans Women Who Have Sex with Men in the United States. *Substance Use & Misuse*, DOI: 10.1080/10826084.2020.1843057
26. Carneiro, P., **Westmoreland, D.A.**, Patel, V.V., & Grov, C. (2020). Awareness and Acceptability of Undetectable= Untransmittable Among a US National Sample of HIV-Negative Sexual and Gender Minorities. *AIDS and Behavior*, 1-11.
27. Grov, C., **Westmoreland, D.**, D'Angelo, A.B., Johnson, J., Nash, D., & Daskalakis, D. (2020). Marketing of Tenofovir disoproxil fumarate (TDF) lawsuits and social media misinformation campaigns' impact on PrEP uptake among gender and sexual minority individuals. *AIDS and Behavior*. <https://doi.org/10.1007/s10461-020-02977-0>
28. Grov, C., **Westmoreland, D.**, Morrison, C., Carrico, A. W., & Nash, D. (2020). The Crisis We Are Not Talking About: One-in-Three Annual HIV Seroconversions Among Sexual and Gender Minorities Were Persistent Methamphetamine Users. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 85(3), 272-279.
29. **Westmoreland, D. A.**, Patel, V.V., D'Angelo, A.B., Nash, D., & Grov, C. (2020). Sociocultural Influences on Attitudes Toward Pre-exposure Prophylaxis (PrEP), History of PrEP Use, and Future PrEP Use in HIV-Vulnerable Cisgender Men Who Have Sex With Men Across the United States. *Annals of LGBTQ Public and Population Health*, 1(2), 128-158.
30. Carneiro, P. B., **Westmoreland, D. A.**, Patel, V. V., & Grov, C. (2021). Factors associated with being PrEP-naïve among a US National cohort of former-PrEP and PrEP-naïve participants meeting objective criteria for PrEP care. *Archives of Sexual Behavior*, 50(4), 1793-1803.
31. **Westmoreland, D. A.**, D'Angelo, A.B., Nash, D., & Grov, C. (2020). Individual and Partner Characteristics Associated With Intentions to Use PrEP Among Partnered Men, Trans Men, and Trans Women in Sero-Concordant and-Discordant Relationships in the United States. *AIDS Education and Prevention*, 32(5), 367-377.
32. Grov, C., **Westmoreland, D.A.**, Golub, S., & Nash, D. (2020). Are we on the precipice of a new epidemic? Risk for hepatitis C among HIV-negative men-, trans women-, and trans men-who have sex with men in the United States. *AIDS care*, 32(sup2), 74-82.

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33. Grov C., **Westmoreland D.**, Golub S.A., and Nash, D. (2020) Prior HIV testing behaviour is associated with HIV testing results among men, trans women and trans men who have sex with men in the United States. *Journal of Epidemiology and Community Health*. 2020;74:741-753.
34. Grov, C., **Westmoreland, D.A.**, Carrico, A.W. and Nash, D., 2020. Are we on the precipice of a new epidemic? Risk for hepatitis C among HIV-negative men-, trans women-, and trans men-who have sex with men in the United States. *AIDS care*, 32(sup2), pp.74-82.
35. Grov, C., Stief, M., **Westmoreland, D.A.**, MacCrate, C., Mirzayi, C. and Nash, D. (2020). Maximizing Response Rates to Ads for Free At-Home HIV Testing on a Men-for-Men Geosocial Sexual Networking App: Lessons Learned and Implications for Researchers and Providers. *Health Education & Behavior*, p.1090198119893692.
36. **Westmoreland, D.A.**, Pantalone, D.W., Patel, V.V. et al. (2020). Demographic, Behavioral, and Geographic Differences Between Men, Transmen, and Transwomen Currently on PrEP, Former PrEP Users, and Those Having Never Used PrEP. *AIDS and Behavior*. 24, 1304–1311. <https://doi.org/10.1007/s10461-019-02722-2>
37. Grov, C., **Westmoreland, D.**, Rendina, H. J., & Nash, D. (2019). Seeing Is Believing? Unique Capabilities of Internet-Only Studies as a Tool for Implementation Research on HIV Prevention for Men Who Have Sex With Men: A Review of Studies and Methodological Considerations. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 82, S253-S260.
38. Nash, D., Stief, M., MacCrate, C., Mirzayi, C., Patel, V.V., Hoover, D., Pantalone, D., Golub, S., Millett, G., D'Angelo, A.B., **Westmoreland, D.A.**, & Grov, C. (2019). A web-based study for HIV prevention in the era of pre-exposure prophylaxis among vulnerable HIV-negative gay and bisexual men, transmen, and transwomen who have sex with men: A protocol for an observational cohort study. *JMIR Research Protocols* 2019;8(9):e1371. DOI: 10.2196/13715.
39. Grov, C., **Westmoreland, D. A.**, Carneiro, P. B., Stief, M., MacCrate, C., Mirzayi, C., Pantalone, D. W., Patel, V. V., & Nash, D. (2019). Recruiting vulnerable populations to participate in HIV prevention research: Findings from the Together 5,000 cohort study. *Annals of Epidemiology*, 35, 4-11, <https://doi.org/10.1016/j.annepidem.2019.05.003>
40. Javanbakht, M., **Westmoreland, D.**, & Gorbach, P. (2018). Factors Associated With Pharyngeal Gonorrhea in Young People: Implications for Prevention. *Sexually transmitted diseases*, 45(9), 588-593.
41. Young, S. D., Holloway, I., Jaganath, D., Rice, E., **Westmoreland, D.**, & Coates, T. (2014). Project HOPE: online social network changes in an HIV prevention randomized controlled trial for African American and Latino men who have sex with men. *American journal of public health*, 104(9), 1707-1712.

*Book Chapter:*

1. Grov, C., and **Westmoreland, D.A.** (March 2021). Male sex work in North America: Frontiers of change in the United States and Canada. In J. Scott, C. Grov, & V. Minichiello (Eds.). *The Routledge Handbook of Male Sex Work, Culture, and Society*. Abingdon, United Kingdom. Routledge.

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*Research Presentations:*

1. **Westmoreland, D.**, Sultana, S., Ray, M., Argenio, K., Krueger, E., & Grov, C. An exploration of sex position identity based on sexual behavior, attraction to partners' traits, and personal anthropomorphic characteristics among cisgender men who have sex with men. Abstract accepted for presentation at the 2023 annual meeting of The Society for the Scientific Study of Sexuality, Nov. 16-19, 2023, New Orleans, LA.
2. Payton, I., **Westmoreland, D.**, Li, Y., Somboonwit, C., Ibanez, G., & Cook, R. Psychosocial Distress Among People Living with HIV. Poster accepted at the 2023 Florida Public Health Association annual conference, July 2023, Orlando, FL.
3. Guo, Y., **Westmoreland, D.A.**, D'Angelo, A.B., Mirzayi, C., Ray, M., Stief, M., Carrico, A.W., Golub, S.A., Patel, V.V., Hoover, D.R., Hirshfield, S., Nash, D., & Grov, C. Factors associated with PrEP usage in a U.S. national prospective cohort study of sexual and gender minorities 2017-2022. Roundtable presentation accepted at the 2023 annual meeting of the American Public Health Association, Nov. 2023, Atlanta, GA.
4. Grov, C., Guo, Y., **Westmoreland, D.A.**, D'Angelo, A.B., Mirzayi, C., Ray, M., Stief, M., Carrico, A.W., Golub, S.A., Patel, V.V., Hoover, D.R., Hirshfield, S., & Nash, D. Risk and protective factors associated with HIV seroconversion in a 4-year prospective U.S. national cohort study of sexual and gender minorities, 2017-2022. Roundtable presentation accepted at the 2023 annual meeting of the American Public Health Association, Nov. 2023, Atlanta, GA.
5. Wilhite, J., Mirzayi, C., **Westmoreland, D.A.**, & Grov, C. Experiences with- and Acceptability of Telehealth Medicine among Gender and Sexual Minorities in the United States. Poster accepted for the 2023 annual meeting of the American Public Health Association, Nov. 2023, Atlanta, GA.
6. Grov, C., Zohra, F., Mirzayi, C., Stief, M., D'Angelo, A., **Westmoreland, D.**, Nash, D., & Carrico, A. Sexual and gender minorities' vaccine uptake and behavioral change in response to the Mpox outbreak in the U.S.A.: August through November 2022. Abstract accepted for the 2023 annual AIDS Impact Conference, Jun. 2023, Stockholm.
7. Guo, Y., **Westmoreland, D.A.**, Ray, M.A., Mirzayi, C., D'Angelo, A., Stief, M., Zeng, C., Carrico, A., Nash, D., & Grov, C. Factors associated with PrEP discontinuation in a U.S. national cohort study of sexual and gender minorities, 2017 – 2022. Abstract accepted for the 2023 annual meeting of the International Association of Providers of AIDS Care, Jun. 2023, Puerto Rico.
8. Grov, C., **Westmoreland, D.A.**, D'Angelo, A.B., & Pantalone, D. PrEP and Sex in Men Who Have Sex with Men. Presented at the 2022 annual meeting of the International Society for Sexual Medicine and the Sexual Medicine Society of North America, October 27-30, Miami, FL.
9. Grov, C., Mirzayi, C., Zohra, F., D'Angelo, A. B., Dearolf, M., Stief, M., **Westmoreland, D. A.**, Carneiro, P. B., Patel, V. V., Golub, S. A., Carrico, A. W., & Nash, D. Easier said than done: PrEP uptake and discontinuation in a U.S. national cohort of sexual and gender minorities who have sex with men – 2017-2022. Invited plenary given at the 2022 STD Prevention Conference, September 19-22, Virtual Conference.

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10. Mirzayi, C., **Westmoreland, D.A.**, Stief, M., & Grov, C. A Time Series Analysis of the Onset of the COVID-19 Pandemic and Depression and Anxiety Symptoms in a U.S. National Sample of Cisgender Gay and Bisexual Men. Submitted to the American Public Health Association 2022 annual meeting, November 6 – 9, Boston, MA.
11. Grov, C., **Westmoreland, D.A.**, Carneiro, P.B., Bauermeister, J.A., & Carrico, A.W. Getting clear about rectal douching among men who have sex with men. Accepted for presentation at The Society for the Scientific Study of Sexuality 2022 annual meeting, November 3 – 6, Vancouver, British Columbia.
12. Andrade, E., Grov, C., **Westmoreland, D.**, Zimba, R., Mirzayi, C., Zhang, C., Freeman, A., Kharfen, M., Doshi, R., Edelstein, Z., Nash, D., & Patel, V. V. (2021, November). Preferences for access to PrEP among sexual minority men in the U.S.: Findings from a discrete choice experiment. Oral presentation to the HIV Treatment and Prevention Adherence (Adherence 2021), Nov 7-9, Orlando, FL.
13. **\*Westmoreland, D.A.** Food Insecurity and Competing Financial Priorities Impact on PrEP Use Among Sexual Minority Men. Invited presentation for The Einstein-Rockefeller-CUNY Center for AIDS Research (ERC-CFAR) Trans Institutional Seminar Series, May 21, 2021.
14. **\*Westmoreland, D.A.** Food Insecurity and Competing Financial Priorities Impact on PrEP Use Among Sexual Minority Men. Invited presentation for The Einstein-Rockefeller-CUNY Center for AIDS Research (ERC-CFAR) and HIV Center for Clinical and Behavioral Studies (HIV Center) sponsor a symposium on “Research Studies Focused to End the HIV Epidemic,” March 18, 2021.
15. Nash, D., Rane, M.S., Chang, M., Kulkarni, S.G., You, W.X., Zimba, R., Berry, A., Mirzayi, C., Kochar, S., Maroko, A., Robertson, M.R., **Westmoreland, D.A.**, & Grov, C. Past and recent SARS-COV-2 seroconversion in a national prospective cohort of U.S. adults. Presented at the 2021 annual meeting of the Conference on Retroviruses and Opportunistic Infections, March 6 – 10.
16. Rendina, H.J, Talan, A., Sizemore, K.M., Tavella, N.F., Salfas, B., Shalhav, O., **Westmoreland, D.**, Mustanski, B., & Rodriguez-Diaz, C. Rates of Undiagnosed HIV Infection Among Racial/Ethnic Subgroups in a Large Nationwide Cohort Study of Sexual Minority Men in the U.S.: Further Evidence for Reframing from Disparities to Inequities. Poster to be presented at the HIV Research for Prevention (HIVR4P) annual meeting (virtual), January 27, 28 and February 3,4, 2021.
17. **Westmoreland, D.**, D’Angelo, A., John, S.A., & Grov, C. Impact of alcohol use on HIV pre-exposure prophylaxis (PrEP) continuum among men and trans persons who have sex with men. Poster presented at the American Public Health Association annual meeting in San Francisco, CA, October 24-28, 2020.
18. D’Angelo, A., **Westmoreland, D.**, Stief, M., Johnson, J., & Grov, C. “my doctor said it was safer:” patient-provider communication around why patients are switching from tdf/FTC to taf for pre-exposure prophylaxis. Roundtable presentation presented at the American Public Health Association annual meeting in San Francisco, CA, October 24-28, 2020.
19. John, S.A., Zohra, F., **Westmoreland, D.**, Mirzayi, C., & Grov, C. Bacterial STIs more common

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in “end the HIV epidemic” high-burden areas among cis- and transgender MSM and trans women. Poster presented at the American Public Health Association annual meeting in San Francisco, CA, October 24-28, 2020.

20. Grov, C., **Westmoreland D.**, Carrico, A. W., & Nash, D. on behalf of the *Together 5000* study team (June, 2020). One-in-three annual HIV seroconversions are persistent methamphetamine users: Results from U.S. national cohort study of gay and bisexual men. Poster presented at the annual meeting of the *College on Problems of Drug Dependence*, June 20-24, Hollywood, FL.
21. **Westmoreland, D.A.**, Holloway, I.W., Daskalakis, D., & Grov, C., (June, 2020). Dangerous Disinformation: Using health discussion networks to mitigate damaging effects on PrEP uptake from frivolous advertising of Tenofovir disoproxil fumarate (TDF) lawsuits on social media. Poster presented at the XL Virtual SUNBELT Conference of the International Network for Social Network Analysis, July 13-17.
22. Mehrotra, M.L., **Westmoreland, D.A.**, Patel, V.V., & Grov, C. Movement along the PrEP Cascade in a Longitudinal US National Cohort of Sexual Minority Individuals. Abstract accepted for presentation at the 23<sup>rd</sup> annual International AIDS Conference (virtual meeting). (*In-person conference cancelled due to COVID-19, not presented*).
23. Carneiro, P.B., Patel, V.V., **Westmoreland, D.A.**, & Grov, C. Awareness and Acceptability of Undetectable = Untransmittable among a U.S. National Sample of HIV-negative men, trans men, and trans women. Abstract presented at the 23<sup>rd</sup> annual International AIDS Conference (virtual meeting).
24. Grov, C., **Westmoreland, D.**, Rendina, H. J., & Nash, D. (July, 2020). Seeing is believing? Unique capabilities of internet-only studies as a tool for implementation research on HIV prevention for men who have sex with men: A review of studies and methodological considerations. Oral presentation accepted as part of the Sexual Activities in Digital Contexts Symposium, International Academy of Sex Research Annual Meeting, Berlin, Germany, July 26-29.
25. **Westmoreland, D.A.**, D’Angelo, A.B., Nash, D., & Grov, C. (November, 2019). Individual and partner characteristics associated with former PrEP use and intentions to use PrEP among men, transmen, and transwomen in sero-concordant and -discordant relationships in the US. Oral presentation presented at the American Public Health Association Annual Meeting, Philadelphia, PA. November 2-6.
26. **Westmoreland, D.**, MacCrate, C., Mirzayi, C., Patel, V., Nash, D., & Grov, C. (November, 2019). Does internalized homonegativity affect HIV risk? And what does race have to do with it? Poster presented at the American Public Health Association Annual Meeting, Philadelphia, PA. November 2-6.
27. Zarwell, M. John, S.A., **Westmoreland, D.A.**, Nash, D., & Grov, C. (November, 2019). PrEP Uptake and Discontinuation Among a National Sample of Transgender Men and Women. Oral presentation presented at the American Public Health Association Annual Meeting, Philadelphia, PA. November 2-6.

DREW A. WESTMORELAND, MSPH, PhD

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28. Lee, R., **Westmoreland, D.**, Maju, M., Apolloni, A., Bullock, H., Wang, A., & Sidu, S. (November, 2019). Assessing the Prevalence of Chemical Sensitivities to Fragranced Products Among Undergraduate Students & Its Impact on Educational Experiences. Poster presented at the American Public Health Association Annual Meeting, Philadelphia, PA. November 2-6, 2019.
29. Grov, C. & **Westmoreland, D.A.** (2019, September). The big pink gorilla? Alcohol (mis)use & PrEP Experience. Invited presentation (Grov presenter), Advancing Uptake, Retention, and Adherence to Antiretroviral Therapy and to Pre-Exposure Prophylaxis (PrEP) for HIV/AIDS Prevention among Alcohol-Using Populations hosted by the NIH NIAAA, September 23-24.
30. \***Westmoreland, D.A.** (2019, September). *Together 5,000 Study*: Leveraging technology to build a nationwide cohort of HIV-vulnerable men, transmen, and transwomen who have sex with men. Invited presentation for the Division of Epidemiology, Biostatistics, and Environmental Health's Colloquium series at the University of Memphis, Memphis, TN. September 19<sup>th</sup>.
31. Grov, C., **Westmoreland, D.**, Carrico, A. W., & Nash, D. on behalf of the Together 5000 team (2019, July). Hepatitis C risk in a U.S. national cohort of men, transwomen, and transmen who have sex with men: Are we at the precipice of a new epidemic? Accepted oral presentation, AIDS Impact Conference, London, UK, July 29-31.
32. **Westmoreland, D.A.**, Pantalone, D.W., Carrico, A., Patel, V.V., Hirshfield, S., Nash, D., & Grov, C. (2019, June). Perceived social support and access to LGBT community resources as influential proxies of social capital on pre-exposure prophylaxis (PrEP) use for HIV prevention. Oral presentation given at the XXXIX SUNBELT Conference of the International Network for Social Network Analysis, Montreal, Canada.
33. **Westmoreland, D.A.**, Patel, V.V., Nash, D., & Grov, C. (2019, June). Sociocultural and sexual partner influences on pre-exposure prophylaxis (PrEP) views, history of PrEP use, and future PrEP use. Oral presentation given at the XXXIX SUNBELT Conference of the International Network for Social Network Analysis, Montreal, Canada.
34. Carneiro, P.B., **Westmoreland, D.**, Nash, D., & Grov, C. (2019, June). Anticipated barriers to PrEP uptake among a national cohort of PrEP-naïve and former PrEP users. Poster presented at the 14<sup>th</sup> International Conference on HIV Treatment and Prevention Adherence, Miami, Florida.
35. **Westmoreland, D.**, Carrico, A., Goodwin, R., Mirzayi, C., Nash, D., & Grov, C. (2019, May-June). Hidden in plain sight: America's epidemic of drug and alcohol misuse among men, transmen, and transwomen who have sex with men. Poster presented at the 2019 National LGBTQ Conference, Atlanta, Georgia.
36. Nash, D., **Westmoreland, D.**, Mirzayi, C., Robertson, M., Hoover, D., & Grov, C. (2019, March). Cross-sectional estimates of HIV incidence for the period prior to enrollment in the Together 5000 (T5K) Cohort Study: A US national study of vulnerable men who have sex with men aged 16-49. Poster presented at the 23<sup>rd</sup> International Workshop on HIV and Hepatitis Observational Databases, Athens, Greece.
37. **Westmoreland, D.A.**, D'Angelo, A.B., Stief, M., MacCrate, C., Mirzayi, C., Nash, D., Patel, V.V. & Grov, C. (2019, March). Individual and access barriers to intended PrEP use among high-risk

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cis-men, transmen, and transwomen who have sex with men. Poster presented at the 2019 annual meeting of the Society of Behavioral Medicine, Washington, D.C.

38. D'Angelo, A.B., Flynn, A.W., **Westmoreland, D.A.**, Pantalone, D.W., Holloway, I.W., & Grov, C. (2019, March). Gay and bisexual mens' experiences navigating the healthcare system to gain access to- and remain on PrEP. Poster presented at the 2019 annual meeting of the Society of Behavioral Medicine, Washington, D.C.
39. Grov, C., Stief, M., MacCrate, C., **Westmoreland, D.A.**, Pantalone, D., Patel, V.V., Carrico, A., Hirshfield, S., Millett, G., & Nash, D. (2018, November). Factors associated with not knowing one's HIV status in a U.S. national cohort study of cismen-, transwomen-, and transmen who have sex with men. Poster presented at the annual meeting of the American Public Health Association, San Diego, CA.
40. Grov, C. & **Westmoreland, D.A.** (2018, October). Factors associated with a new HIV diagnosis in the *Together 5000* cohort study. Invited presentation (Grov presenter) at the 2018 Invited Meeting on Contemporary Issues in HIV/STD Prevention and Care, Duck, NC.
41. **Westmoreland, D.A.** & Young, S.D. (2014, November). Determining the influence of HIV intervention friendships on lasting intervention effects. Poster accepted for presentation at the 2014 annual meeting of the American Public Health Association, New Orleans, LA.
42. **Westmoreland, D.A.** & Young, S.D. (2014, May). Associations of HIV intervention friendships with prevention behaviors and attitudes over time. Poster accepted for presentation at the University of California 30<sup>th</sup> Annual Multi-Campus Family Medicine Research Day, Los Angeles, CA.
43. **Westmoreland, D.A.**, Forthofer, M., Hardin, J.W., & Browne, T. (2013, November). Examining the relative influences of social capital on adolescent sexual behaviors. Poster presented at the annual meeting of the American Public Health Association, Boston, MA.

*Other Seminars/Workshops/Lectures:*

1. **Westmoreland, D.A.** (2023, March). Academic Job Market Experiences. Invited speaker for Department of Epidemiology PhD Professional Development Series at the University of Florida.
2. **Westmoreland, D.A.** (2023, March). Unique capabilities of technology-mediated research methods and implementation strategies for HIV prevention. Guest lecture in HSC6835/PHC6937 Core Seminar in the Translational Science of Alcohol and HIV Infection at the University of Florida.
3. **Westmoreland, D.A.** (2018, February). Interdisciplinary research in public health and Thinking Gender, *Pre-existing Conditions* Conference promotion. Invited presentation for HC101A Undergraduate Research Course at the University of California, Los Angeles.
4. **Westmoreland, D.A.** (2017, October). Policy Writing: Best Practices in White Paper and Memo Writing. Workshop presentation for the Graduate Writing Center at the University of California, Los Angeles.
5. **Westmoreland, D.A.** (2017, October). Writing Effectively in the Social Sciences. Workshop

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revision and presentation for the Graduate Writing Center at the University of California, Los Angeles.

6. **Westmoreland, D.A.** (2017, May). Risky business: adolescent and young adult sexual health profiles and heterosexual anal intercourse. Guest lecture in Epidemiology 230: Sexually Transmitted Diseases at the University of California, Los Angeles.
7. **Westmoreland, D.A.** (2017, January). Professional Email Etiquette for the Job Search. Workshop presentation for Fielding School of Public Health on behalf of the Graduate Writing Center at the University of California, Los Angeles.
8. **Westmoreland, D.A.** (2016, October). Policy Writing: Best Practices in White Paper and Memo Writing. Workshop presentation for the Graduate Writing Center at the University of California, Los Angeles.
9. **Westmoreland, D.A.** (2016, October). Introduction to Writing in the Social Sciences. Workshop revision and presentation for the Graduate Writing Center at the University of California, Los Angeles.
10. **Westmoreland, D.A.** (2016, February). Diffusion of Innovations. Guest lecture in Social Welfare 259: Applied Social Network Analysis at the University of California, Los Angeles.
11. **Westmoreland, D.A.** (2016, February). Overview of NIH Funding Opportunities. Workshop creation and presentation for Fielding School of Public Health on behalf of the Graduate Writing Center at the University of California, Los Angeles.

### FUNDING:

#### Current:

*Title:* Optimizing HIV prevention for highly vulnerable methamphetamine-using sexual minority men.

*Role:* **Co-Investigator** (MPIs: Grov/Carrico)

*Source:* National Institute of Allergy and Infectious Diseases, UG3AI169652

*Amount:* \$12,612,524 (total costs)

*Period:* 04/01/2022 – 03/31/2027

*Description:* Proposal responds to a resurgent epidemic of methamphetamine (meth) use in sexual minority men (SMM) by 1) identifying multi-level and bio-behavioral determinants of amplified HIV seroconversion risk in meth-using SMM; and 2) testing the effectiveness of telehealth motivational enhancement interventions for optimizing for optimizing entry or re-entry of SMM who use meth into the PrEP care continuum.

*Title:* The impact of alcohol on PrEP adherence in vulnerable men

*Role:* **Principal Investigator**

*Source:* National Institute of Alcohol Abuse and Alcoholism, K01AA029047

*Amount:* \$992,591 (total costs)

*Period:* 09/28/2020 – 08/31/2025

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*Description:* Alcohol is the most prevalently used substance among gay and bisexual men (GBM) but the impact of alcohol use and misuse on PrEP adherence is not well understood; therefore, the proposed research uses multiple data collection methodologies to better elucidate how alcohol effects PrEP adherence.

*Title:* Following a U.S. National Cohort of Vulnerable Men to Improve HIV Prevention and Care

*Role:* Investigative team member (PI: Grov)

*Source:* National Institute of Allergy and Infectious Diseases, UH3 AI 133675

*Amount:* \$3,355,880 (total costs)

*Period:* 8/1/2019-7/31/2022 (NCE)

*Description:* In this phase of funding, participants from Together 5,000 (UG3 AI 133675 – Grov) will be followed longitudinally for an additional 3 years. Participants complete annual at-home computerized assessments as well as self-administered at-home rapid HIV antibody testing.

**Completed:**

*Title:* Food insecurity and competing financial priorities impact on PrEP use among sexual minority men

*Role:* **Principal Investigator/Project Director** (PI ERC CFAR: Goldstein)

*Source:* National Institute of Allergy and Infectious Diseases CFAR Supplement, P30 AI124414

*Amount:* \$149,994 (direct only)

*Period:* 7/01/2020-4/30/2022 (NCE)

*Description:* The role that food insecurity and other material needs plays in HIV seroconversion among sexual minority men (SMM) is not well understood; therefore, the proposed research seeks to elucidate the impact of material needs on PrEP uptake and adherence by leveraging an ongoing, US national cohort aimed at identifying intervenable factors associated with HIV seroconversion. This award was part of a CFAR supplement funding opportunity submitted through the Einstein-Rockefeller-CUNY (ERC) CFAR.

*Title:* Chasing COVID Cohort

*Role:* **Co-Investigator** (MPIs: C. Grov & D. Nash)

*Source:* National Institute of Allergy and Infectious Diseases, UH3 AI 133675 (COVID Supplement)

*Amount:* \$2,399,679 (direct only)

*Period:* 08/01/2020-07/31/2022

*Description:* We proposed integration of rapid serologic assessment and extension of follow-up in an existing national cohort study of SARS/COV2, the CHASING COVID Cohort (C3) study. Our project aimed to: 1. Estimate the cumulative incidence of SARS/COV2 and evaluate impact of different NPIs on the cumulative incidence of SARS/COV2 infection, COVID (disease), and COVID deaths; 2. Estimate the proportion of persons with serologic evidence of SARS/COV2 infection who were asymptomatic or had only mild symptoms; 3. Assess whether SARS/COV2 antibodies are protective against subsequent COVID disease.

*Title:* Developing a multidimensional and data-driven understanding of sexual positioning identity among cisgender men who have sex with men

*Role:* **Co-Investigator** (PI: Ray)

*Source:* 2022 Communities of Research Scholars (University of Memphis CoRS)

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*Amount:* \$2,500 (effort in-kind)  
*Period:* 11/01/2021 – 03/31/2022  
*Description:* Proposal sought to fund student support and publication costs on a methodological paper to investigate patterns of sex positioning based on identity, behavior, attraction, and biology.

*Title:* Enhancing HIV prevention and care for gender minority men  
*Role:* Research Scientist (PI: Grov)  
*Source:* National Institute of Allergy and Infectious Diseases, UH3 AI 133675  
*Amount:* \$99,986 (total costs)  
*Period:* 9/1/19 – 7/31/2020  
*Description:* This proposal (supplemental funding) would enrolled an additional N = 300 transgender men who have sex with men into the Together 5,000 cohort study (UH3 AI 133675, Grov)

*Title:* Understanding preferences for engaging in PrEP: A strategy for reducing racial/ethnic disparities in PrEP uptake  
*Role:* Research Scientist (PI: Patel)  
*Source:* National Institutes for Health (CUNY-Einstein-Rockefeller CFAR Supplement)  
*Amount:* \$160,420 (total costs), \$75,086 subcontract to Grov/CUNY  
*Period:* 9/1/2019 – 4/30/2020  
*Description:* We developed and tested a discrete choice experiment for PrEP uptake among men who have sex with men. Participants will be selected from the Together 5000 cohort study.

*Title:* Following a U.S. National Cohort of Vulnerable Men to Improve HIV Prevention and Care  
*Role:* Post-doctoral fellow (PI: Grov)  
*Source:* National Institute of Allergy and Infectious Diseases, UG3 AI 133675  
*Amount:* \$2,389,727 (total costs)  
*Period:* 07/19/2017 – 06/30/2019  
*Description:* This epidemiological study established a U.S. national cohort of 8,777 gay and bisexual men, and transgender men and women, aged 16-49 and prospectively follow them for one year to track PrEP uptake and missed HIV prevention opportunities. Participants complete annual at-home computerized assessments as well as self-administered at-home rapid HIV antibody testing.

*Title:* Pharyngeal gonorrhea among young people: Implication for prevention  
*Role:* Graduate Student Research Assistant (PI: Javanbakht)  
*Source:* National Institute of Allergy and Infectious Diseases, 5K01AI091861-05  
*Amount:* \$617,048  
*Period:* 05/05/2011 – 04/30/2017  
*Description:* This study enrolled young people in Los Angeles County to identify intervenable factors associated with oral/pharyngeal gonorrhea.

### TEACHING EXPERIENCE:

*University of Florida, College of Public Health and Health Professions, Gainesville, Florida*

*PHC 7727: Grant Writing for Population Health Research*

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Department of Epidemiology (Graduate level course, synchronous online)

Professor (co-lead),

Semesters: Summer 2023.

***City University of New York, Graduate School of Public Health and Health Policy, New York, New York***

*Public Health 613: Designs, Concepts, and Methods in Public Health Research*

Department of Epidemiology and Biostatistics (Graduate level course, asynchronous online)

Professor,

Semesters: Fall 2020, Fall 2021, & Spring 2022.

***University of California, Los Angeles, Los Angeles, California***

*Epidemiology 230: Epidemiology of Sexually Transmitted Diseases*, Department of Epidemiology

(Graduate level course),

Teaching Assistant,

Quarter: Spring 2017.

*Epidemiology 200A: Methods I: Basic Concepts and Study Designs*, Department of Epidemiology

(Graduate level course),

Teaching Assistant,

Quarter: Fall 2016.

*Social Welfare 259: Applied Social Network Analysis*, Department of Social Welfare (Graduate level course),

Special Reader,

Quarter: Winter 2016.

*Epidemiology 200A: Methods I: Basic Concepts and Study Designs*, Department of Epidemiology

(Graduate level course),

Special Reader,

Quarters: Fall 2014 & Fall 2015.

*Epidemiology 100: Principles of Epidemiology*, Department of Epidemiology (Undergraduate and

Graduate level course),

Special Reader,

Quarter: Summer 2015.

***University of South Carolina, Columbia, South Carolina***

*Epidemiology J700: Introduction to Epidemiology*, University of South Carolina (Graduate level course),

Teaching Assistant,

Semesters: Summer II 2011, Spring 2012, Summer II 2012.

*(Teaching duties, evaluation scores and comments available upon request. Amount and reporting of scores vary based on evaluation method.)*

***A full CV with more information about works-in-progress, funded projects, mentoring, professional service, and professional memberships is available upon reasonable request by contacting Dr.***

***Westmoreland at [westmorelanddrew@ufl.edu](mailto:westmorelanddrew@ufl.edu).***