

Keletso Makofane, PhD

Curriculum Vitae

Nov 2023

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ACADEMIC AFFILIATION

Current **Center for Causal Inference, Perelman School of Medicine,
University of Pennsylvania, Philadelphia, United States**
Post-Doctoral Fellow

EDUCATION

2021 **Harvard University T.H. Chan School of Public Health, Boston,
United States**
PhD, Population Health Sciences (Social Network Epidemiology)
“Networked Resources and Health in South Africa – Towards a Materialist
Social Network Epidemiology” supervised by Professors Lisa Berkman,
Mary Bassett, and Eric Tchetgen Tchetgen

2012 **Columbia University Mailman School of Public Health, New York,
United States**
MPH, Biostatistics

2009 **University of Cape Town, Cape Town, South Africa**
BBusSci, Actuarial Science

SELECTED GRANTS AND HONORS

2023 Health+Wellness Award for graphic design on RESPND-MI MPX NYC
survey recruitment campaign. Graphic Design USA.

2023 Reviewer of the year (2022), American Journal of Epidemiology.

2022 Honoree of Out100: LGBTQ+ Policy Makers and Advocates Changing the
World

2022 Research Award for RESPND-MI Study, amfAR. (\$20,000).

2022 Developmental Award for RESPND-MI Study, Harvard Center for Aids
Research. (\$20,000).

2020 Dissertation Research Grant, Harvard Center for Population and
Development Studies.

2018 Travel Grant, Harvard Center for Population and Development Studies.
2010 - 2012 Fulbright Scholarship

PUBLICATIONS

Peer-Reviewed Journal Articles

PhD dissertation-related papers marked with an asterisk(*)

*Makofane, K., Tchetgen Tchetgen, E. J., Bassett, M. T., Berkman, L. F. (in press). Networked wealth and mortality in the Agincourt Health and Demographic Surveillance System 2009 – 2018. *American Journal of Epidemiology*.

*Makofane, K., Berkman, L. F., Bassett, M. T., & Tchetgen Tchetgen, E. J. (2023). The Effect of Family Wealth on Physical Function Among Older Adults in Mpumalanga, South Africa: A Causal Network Analysis. *International Journal of Public Health*, 68, 1606072.

*Makofane, K., Kim, H.Y., Tchetgen Tchetgen, E., Bassett, M.T., Berkman, L., Adeagbo, O., McGrath, N., Seeley, J., Shahmanesh, M., Yapa, H.M., Herbst, K., Tanser, F., & Bärnighausen, T. (2023). Impact of Family Networks on Uptake of Health Interventions: Evidence from a community-randomized control trial aimed at increasing HIV Testing in South Africa. *Journal of the International AIDS Society*, 26(8), e26142.

Roth, G., Barnes-Balenciaga, J., Osmundson, J., Smith, M.D.R., Tran, N.K., Diamond, N., Makofane, K. (2023) Global North learning from Global South: A community-led response to mpox in New York City. *PLOS Glob Public Health* 3(6): e0002042.
<https://doi.org/10.1371/journal.pgph.0002042>

Lyons, C.E., Twahirwa Rwema, J.O., Makofane, K., Diouf D., Mfochive Njindam, I., Ba, I., Kouame, A., Tamoufe, U., Cham, B., Aliu Djaló, M., Obodou, E. P., Karita, E., Simplicite, A., Nowak, R. G., Crowell, T. A., Matse, S., Kouanda, S., Enama, J. P., Kavanagh, M., Millett, G. A., Beyrer, C., Murray, S., Baral, S. (2023). Associations between punitive policies and legal barriers to consensual same-sex sexual acts and HIV among gay men and other men who have sex with men in sub-Saharan Africa: a multicountry, respondent-driven sampling survey. *Lancet HIV*, 10(3):e186-e194. doi: 10.1016/S2352-3018(22)00336-8.

Thornhill, J. P., Barkati, S., Walmsley, S., Rockstroh, J., Antinori, A., Harrison, L. B., Palich, R., Nori, A., Reeves, I. Habibi, M.S., Apea, V., Boesecke, C., Vandekerckhove, L., Yakubovsky, M., Sendagorta, E., Blanco, J.L., Florence, E. Moschese, D., Maltez, F.M., Goorhuis, A., Pourcher, V., Migaud, P., Noe, S., Pintando, C., Maggi, F., Hansen, A.E., Hoffmann, C., Lezama, J.I., Mussini, C., Cattelan, A., Makofane, K., Tan, D., Nozza, S., Nemeth, K., Klein, M.B., & Orkin, C. M. (2022). Monkeypox virus infection in humans across 16 countries—April–June 2022. *New England Journal of Medicine*, 387(8). doi: 10.1056/NEJMoa2207323

Phaswana-Mafuya, N., Shisana, O., Jassat, W., Baral, S. D., Makofane, K., Phalane, E., Zuma, K., Zungu, N., & Chadyiwa, M. (2021). Understanding the differential impacts of COVID-19 among hospitalised patients in South Africa for equitable response. *South African Medical Journal*, 111(11). doi: 10.7196/SAMJ.2021.v111i11.15812

Makofane, K., Lusimbo, R., Macharia, P., Makanjuola, O., Malone, S., Mokabedi, A., Nemande, S., Traore, C., & Walimbwa, J. (2021). Understanding community as a basis for targeting and shaping service delivery. *Journal of the International AIDS Society*, 24(Suppl 3). doi: 10.1002/jia2.25712

Makofane, K., van der Elst, E. M., Walimbwa, J., Nemande, S., & Baral, S. D. (2020). From general to specific: moving past the general population in the HIV response across sub-Saharan Africa. *Journal of the International AIDS Society*, 23. doi:10.1002/jia2.25605

Cowger, T. L., Davis, B. A., Etkins, O. S., Makofane, K., Lawrence, J. A., Bassett, M. T., & Krieger, N. (2020). Comparison of weighted and unweighted population data to assess inequities in coronavirus disease 2019 deaths by race/ethnicity reported by the US Centers for Disease Control and Prevention. *JAMA network open*, 3(7). doi:10.1001/jamanetworkopen.2020.16933

Bekker, L. G., Alleyne, G., Baral, S., Cepeda, J., Daskalakis, D., Dowdy, D., Dybul, M., Eholie, S., Esom, K., Garnett, G., Grimsrud, A., Hakim, J., Havlir, D., Isbell, M.T., Johnson, L., Kamarulzaman, A., Kasaie, P., Kazatchkine, M., Kilonzo, N., Klag, M., Klein, M., Lewin, S.R., Luo, C., Makofane, K., Markin, N., Mayer, K., Millet, G., Ntusi, N., Pace, L., Pike, C., Piot, P., Pozniak, A., Quinn, T.C., Rockstroh, J., Ratevosian, J., Ryan, O., Sippel, S., Spire, B., Soucat, A., Starrs, A., Strathdee, S.A., Thomson, N., Vella, S., Schechter, M., Vickerman, P., Weir, B., & Beyrer, C. (2018). Advancing global health and strengthening the HIV response in the era of the Sustainable Development Goals: the International AIDS Society—Lancet Commission. *The Lancet*, 392(10144). doi:10.1016/S0140-6736(18)31070-5

Ayala, G., Santos, G.M., Arreola, S., Garner, A., Makofane, K., Howell, S. (2018). Blue-Ribbon Boys: factors associated with PrEP use, ART use and undetectable viral load among gay app users across six regions of the world. *Journal of the International AIDS Society*, 21(S5). doi:10.1002/jia2.25130

Beck, E.J., Shields, J.M., Tanna, G., Henning, G., de Vega, I., Andrews, G., Boucher, P., Benting, L., Garcia-Calleja, J.M., Cutler, J., Ewing, W., Kijisanayotin, B., Kujinga, T., Mahy, M., Makofane, K., Marsh, K., Nacheeva, C., Rangana, N., Vega, M.F.R., Sabin, K., Varetska, O., Wanyee, S.M., Watiti, S., Williams, B., Zhao, J., Nunez, C., Ghys, P., & Low-Beer, D. (2018). Developing and implementing national health identifiers in resource limited countries: Why, what, who, when and how?. *Global Health Action*, 11(1). doi:10.1080/16549716.2018.1440782.

Flores, J.M., Santos, G.M., Makofane, K., Arreola, S., & Ayala, G. (2017). Availability to and Use of Substance Abuse Treatment Programs among Substance-Using Men-Who-Have-Sex-With-Men Worldwide, *52*(5). *Substance Use & Misuse*. doi:10.1080/10826084.2016.1253744.

Scheim, A., Santos, G-M., Arreola, S., Makofane, K., Do, T., Hebert, P., Thomann, P., & Ayala, G. (2016). Inequities in access to HIV prevention services for transgender men: results of a global survey of men who have sex with men. *Journal of the International AIDS Society, 19*(3Suppl 2). doi:10.7448/IAS.19.3.20779

Santos, G-M., Makofane, K., Arreola, S., Do, T., Ayala, G., Hebert, P., Beck, J., & Wilson, P. (2016). Reductions in access to HIV prevention and care services are associated with arrest and convictions in a global survey of men who have sex with men. *Sexually Transmitted Infections, 93*. doi:10.1136/sextrans-2015-052386

Scheim, A., Arreola, S., Do, T., Makofane, K., Santos, G-M., Thomann, M., Wilson, P.A., & Ayala, G. (2015). Potential for Conceptual Bias in Studies of Racial Disparities in HIV Infection. *JAIDS: Journal of Acquired Immune Deficiency Syndromes, 68*(3). doi:10.1097/QAI.0000000000000388

Santos, G-M., Do, T., Beck, J., Makofane, K., Arreola, S., Pyun, T., Hebert, P., Wilson, P.A., & Ayala, G. (2014). Syndemic Conditions Associated with Increased HIV Risk in a Global Sample of Men Who Have Sex with Men. *Sexually Transmitted Infections, 90*(3). doi:10.1136/sextrans-2013-051318

Arreola, S., Santos, G-M., Beck, J., Sundararaj, M., Wilson, P.A., Hebert, P., Makofane, K., Do, T.D., & Ayala, G. (2014). Sexual Stigma, Criminalization, Investment, and Access to HIV Services among Men Who Have Sex with Men Worldwide. *AIDS and Behavior, 19*(2). doi:10.1007/s10461-014-0869-x

Ayala, G., Makofane, K., Santos, G-M., Arreola, S., Hebert, P., Thomann, M., Wilson, P., Beck, J., & Do, T.D. (2014). HIV Treatment Cascades That Leak: Correlates of Drop-Off from the HIV Care Continuum among Men Who Have Sex with Men Worldwide. *Journal of AIDS & Clinical Research, 5*(8). doi:10.4172/2155-6113.1000331

Makofane, K., Beck, J., Lubensky, M., & Ayala, G. (2014). Homophobic Legislation and Its Impact on Human Security. *African Security Review, 23*(20). doi:10.1080/10246029.2014.913832

Pyun, T., Santos, G-M., Arreola, S., Do, T., Hebert, P., Beck, J., Makofane, K., Wilson, P.A., & Ayala, G. (2014). Internalized Homophobia and Reduced HIV Testing among Men Who Have Sex with Men in China. *Asia-Pacific Journal of Public Health, 26*(2). doi:10.1177/1010539514524434

Santos, G-M., Beck, J., Wilson, P.A., Hebert, P., Makofane, K., Pyun, T., Do, T., Arreola, S., & Ayala, G. (2013). Homophobia as a Barrier to HIV Prevention Service Access for Young

Men Who Have Sex with Men. *JAIDS: Journal of Acquired Immune Deficiency Syndromes*, 63(5). doi:10.1097/QAI.0b013e318294de80

Ayala, G., Makofane, K., Santos, G-M., Beck, J., Do, T.D., Hebert, P., Wilson, P.A., Pyun, T., & Arreola, S. (2013). Access to Basic HIV-Related Services and PrEP Acceptability among Men Who Have Sex with Men Worldwide: Barriers, Facilitators, and Implications for Combination Prevention. *Journal of Sexually Transmitted Diseases*, 2013. doi:10.1155/2013/953123

Makofane, K., Gueboguo, C., Lyons, D., & Sandfort, T. (2013). Men Who Have Sex with Men Inadequately Addressed in African AIDS National Strategic Plans. *Global Public Health*, 8(2). doi:10.1080/17441692.2012.749503

Invited Journal Articles

Makofane, K., Spire, B. and Mtetwa, P. (2018). Tackling global health inequities in the HIV response. *The Lancet*, 392(10144). doi: 10.1016/S0140-6736(18)31441-7

Beyrer, C., Makofane, K., Orazulike, I., Diouf, D., & Baral, S.D. (2016). Towards Equity in Service Provision for Gay Men and Other Men Who Have Sex with Men in Repressive Contexts. *PLoS Medicine*, 13(10). doi: 10.1371/journal.pmed.1002154

Book Chapters

Brown C., Makofane K., Rebe K., van der Merwe L., Sithole B., Diouf D., & Baral S. Mental health needs in Sub-Saharan Africa. (2020). In Nakamura, N. & Logie, C. (Eds.), *LGBTQ Mental Health: International Perspectives and Experiences*. Washington DC: APA Publishing.

Makofane, K. & Sandfort, T. HIV Prevention for MSM. (2014). In Hope, T.J., Stevenson, M. & Richman, D. (Eds.), *Encyclopedia of AIDS*, 1-6. New York: Springer.

Commissioned Reports

World Health Organization. (2018). *Focus on key populations in national HIV strategic plans in the WHO African Region* (No. WHO/AF/CDS/HIV/02.2018). World Health Organization. Regional Office for Africa. Available: <https://www.who.int/hiv/pub/toolkits/key-population-report-afro/en/>

Book Reviews

Makofane, K. (2013). Unspoken Facts: A History of Homosexualities in Africa. *Culture, Health & Sexuality*, 15(Suppl 1). doi: 10.1080/13691058.2012.732749

Other Published Reports

Ayala, G., Makofane, K., Do, T.D., Santos, G.M., Beck, J., Scheim, A.I., Hebert, P., Arreola, S. (2015) *Rights in action: Access to HIV services among men who have sex with men*. LINKAGES at FHI360, and MSMGF. Retrieved from FHI 360 website: <https://www.fhi360.org/sites/default/files/media/documents/linkages-msm-rights-in-action.PDF>

Arreola, S., Makofane, K., & Ayala, G. (2014). *MSM Values & Preferences Regarding Use of Antiretroviral Therapy as Prevention*. World Health Organization. Geneva, Switzerland. Retrieved from World Health Organization website: http://apps.who.int/iris/bitstream/10665/128117/1/WHO_HIV_2014.19_eng.pdf

Makofane, K., Beck, J., & Ayala, G. (2014). *MSM in Sub-Saharan Africa: Health, Access & HIV*. The Global Forum on MSM and HIV (MSMGF) and African Men for Sexual Health and Rights (AMSHer). Oakland, United States. Retrieved from MSMGF website: http://msmgf.org/files/msmgf/documents/MSMinSSA_PolicyBrief.pdf

Arreola, S., Hebert, P., Makofane, K., Beck, J., & Ayala G. (2012). *Access to HIV Prevention and Treatment for Men who have Sex with Men – Findings from the 2012 Global Men’s Health and Rights Study (GMHR)*. The Global Forum on MSM and HIV (MSMGF). Oakland, United States. Retrieved from MSMGF website: http://msmgf.org/wp-content/uploads/2015/09/GMHR_2012.pdf

Media Articles

Krellenstein, J., Osmundson, J., Makofane, K. (29 May 2022). To fight monkeypox, remember the lessons of COVID and HIV. *New York Times*. Retrieved from: <https://www.nytimes.com/2022/05/29/opinion/monkeypox-covid-and-hiv.html>

Barnes-Balenciaga, J., Cahill, S., Carneiro, P.B., Carpino, T., Diamond, N., Feng, Z., Goedel, W., Holloway, I.W., Long, C.L., Makofane, K., Mayer, K., Osmundson, J., Radix, A., Roth, G., Smith, D.R.M., Tran, N.K. (2 August 2022). An open letter to the Biden administration on monkeypox. *Harvard Public Health*. Retrieved from: <https://harvardpublichealth.org/equity/an-open-letter-to-the-biden-administration-on-monkeypox/>

CONFERENCE ABSTRACTS

Makofane, K., Barnes-Balenciaga, J., Carneiro, P.B., Diamond, N., Kunichoff, D., Lett, E., Mayer, K.H., McCombs, C., Pitts, R., Roth, G., Smith, M., Tran, N. (Accepted for July 2023). A limited number of census tracts are associated with greatest risk for MPOX transmission: Implications for outbreak management. IAS 2023 – the 12th IAS Conference on HIV Science. Brisbane, Australia.

Makofane, K., Barnes-Balenciaga, J., Carneiro, P.B., Diamond, N., Kunichoff, D., Lett, E., Mayer, K.H., McCombs, C., Pitts, R., Roth, G., Smith, M., Tran, N. (Accepted for July 2023).

Mobilizing a rapid and comprehensive community-led response to MPOX: lessons from the RESPND-MI study team. Brisbane, Australia.

Makofane, K. (Accepted for June 2023). Networked wealth and mortality in the Agincourt Health and Demographic Surveillance System 2009 – 2018. Annual Meeting – Society for Epidemiologic Research (SER). Portland, Oregon, United States.

Makofane, K. *Networked representation: Encoding social phenomena using counterfactuals*. Part of symposium entitled “What we think about when we think about fairness” chaired by Mats Stensrud. (2022, June). Annual Meeting – Society for Epidemiologic Research (SER). Chicago, United States.

Makofane, K., Kim, H-Y., Adeagbo, O., McGrath N., Seeley, J., Shahmanesh, M., Yapa, M., Tanser, F., Bärnighausen, T. (2020, July). *Family network spillover in a community-randomized controlled trial of micro-incentives for HIV testing: evidence from the HITS Study*. Late-breaker poster presentation at the 23rd International AIDS Conference. Virtual.

Arreola, S., Martinez, O., Wilson, K., Ayala, G., Makofane, K. (2018, July). *Sexual initiation and quality of life among gay, bisexual and other men who have sex with men worldwide*. Poster presentation at the 22nd International AIDS Conference. Amsterdam, Netherlands.

Makofane, K., Radebe, O., Peters, R.P.H., de Swardt, G., Struthers, H., & McIntyre, J. (2015, June). *Linkage and Retention in a Cohort of Clients of MSM-Targeted Clinics in Johannesburg*. Oral presentation at the 7th South African AIDS Conference, Durban, South Africa.

Santos, G., Makofane, K., Arreola, S., Beck, J., Wilson, P., Hebert, P., Do, T., & Ayala, G. (2014, July). *Criminalization of Same-Sex Behavior is Harmful to Public Health: Significant Reductions in Access to HIV Prevention and Care Services Associated with Arrest and Convictions for Sex Between Men*. Oral presentation at the 20th International AIDS Conference. Melbourne, Australia.

Santos, G., Makofane, K., Arreola, S., Beck, J., Wilson, P., Hebert, P., Do, T., & Ayala, G. (2014, July). *High Prevalence of HIV-Related Risk Behaviors among Mobile App-Using Men who have Sex with Men (MSM): Opportunities for Public Health Interventions through Mobile Social Media*. Poster presentation at the 20th International AIDS Conference. Melbourne, Australia.

Makofane, K., Arreola, S., Beck, J., Wilson, P., Do, T., Hebert, P., Santos, G., Pyun, T., & Ayala, G. (2013, October). *Social/Structural Predictors of Access to HIV Services among African MSM: Implications for Program Design and Delivery*. Poster presentation accepted to the 7th SAHARA Conference, Dakar, Senegal.

Makofane, K., Santos, G., Arreola, S., Wilson, P., Beck, J., & Ayala, G. (2013, May). *Predictors of Survey Drop-out in a Global Survey of Diverse MSM*. Oral presentation at

Society for Prevention Research - Diversity Network Committee Symposium, San Francisco, United States.

Arreola, S., Makofane, K., Wilson, P., Do, T., Beck, J., Hebert, P., Santos, M., Pyun, T., & Ayala, G. (2012, July). *PrEP, HIV Testing and Treatment Access among Gay and Other Men who have Sex with Men: Social and Structural Barriers and Facilitators in the Global South and Global North*. Poster presentation at the 19th International AIDS Conference. Washington DC, United States.

RESEARCH PROJECTS

Current	<p>Rapid Epidemiologic Study of Prevalence, Network, and Demographics of Monkeypox Infection (RESPND-MI)</p> <ul style="list-style-type: none">▪ Founded and lead the RESPND-MI study group in response to rapidly expanding monkeypox outbreak among gay, bisexual, and other men who have sex with men as well as transgender persons▪ Study group developed and launched MPX NYC Study, a community-led participatory action research project examining the social and sexual networks through which monkeypox and other sexually transmitted infections are transmitted in New York City.
Current	<p>The Constellations Project (TCP)</p> <ul style="list-style-type: none">▪ Founded and lead The Constellations Project (TCP), a community-based participatory action research project led by members of the public health research community of minoritized status▪ Goal is to advance an understanding of how structural racism shapes the production of health research by shaping constellations of partnerships, resources, and research activities.
2020 - 2021	<p>Networked Resources and Health in South Africa: Towards a Materialist Social Epidemiology</p> <ul style="list-style-type: none">▪ Goal of PhD thesis project was to examine the effect of networked material resources on individual health using novel network analytic methods.▪ Adapted novel set of methods called Auto-G-Computation – these methods provide a useful empirical lens for understanding how SES affects health across social ties.▪ First application of these methods in a public health study based on population-based observational cohort study.

SELECTED RESEARCH EXPERIENCE

2021 - 2022	<p>Harvard University FXB Center for Health and Human Rights, Boston, United States</p> <p><i>Health and Human Rights Fellow (Post-doctoral Fellow)</i></p>
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- Initiated and lead two collaborative network analytic research projects: The Constellations Project, and RESPND-MI, described above
- As co-investigator of the methods core for the study, contributed to preparation of grant materials for renewal of NIH-funded project: *“Health and Aging in Africa: Longitudinal Studies of an INDEPTH Community”*

2018

Harvard University Center for Population and Development Studies, Cambridge, United States

Graduate Affiliate

- Trained field staff for NIH-funded cohort study: *“Health and Aging in Africa: Longitudinal Studies of an INDEPTH Community”*
- Conducted quality assurance for data collected for the study

2013 - 2017

Global Forum on MSM and HIV (MSMGF), Johannesburg, South Africa

Senior Programs and Research Consultant

- Led the implementation of Global Men’s and Health and Rights study – international online cohort study on health and human rights of men who have sex with men
- Collaborated in writing of research reports and manuscripts for publication based on findings from GMHR survey data.
- Prepared materials for presentations at high level meetings and consultations in United Nations system

SELECTED TEACHING EXPERIENCE

Mar 2023

Invited Seminar: *Networks as a Language for Interdependence – Investigating Complicated Systems in Public Health with emphasis on Global Health*

Data Science for Global Development. Prof. Allison Koenecke. Cornell University. Ithaca (Online), United States.

Feb 2023

Invited Seminar: *Networks as a Language for Interdependence – Investigating Complicated Systems in Public Health*

Emerging Scholars Program. Department of Epidemiology, Boston University School of Public Health. Boston, United States.

Oct 2022

Invited Panel: *Health, Human Rights, and Social Network Epidemiology*
Prof. E. Beck. London School of Hygiene and Tropical Medicine.

- Nov 2021 Invited Seminar: *Networked Resources, Causal Inference and Health: Evidence from the Agincourt Health and Demographic Surveillance System*
Rural Public Health and Health Transitions Research Unit. University of the Witwatersrand.
- Oct 2021 Invited Seminar: *Networked Resources, Causal Inference and Health (with a brief mention of HIV / Global Health)*
Introduction to International Health. Prof. L Kobayashi. University of Michigan.
- May 2021 Invited Seminar: *Social Networks and Health Disparities*
Network Science Institute Seminar. Northeastern University.
- Apr 2021 Invited Seminar: *Social Networks, Causal Inference, and Health Disparities*
Department of Epidemiology Seminar. Boston University.
- Feb 2021 Invited Seminar: *Social Networks and Health Disparities*
EpiCH Webinar Series Spring. University of Minnesota.
- Dec 2020 Guest Lecture: *Health, Human Rights, and Networks*
Evolutionary Theory. Prof. C. Brandon Ogbunu, Yale University.
- Oct 2020 Guest Lecture: *Social Epidemiology of HIV among Sexual Minority Men. HIV/AIDS: Global Epidemic, Political Power, and Lessons for Public Health*, Prof. M. Kavanagh, Georgetown University.
- 2020 Teaching Fellow: Advanced Epidemiologic Methods
Prof. J. Robins, Harvard University.
- 2019 Teaching Fellow: Social and Behavioral Research Methods
Dr. J. Chen, Harvard University.
- 2018 - 2019 Teaching Fellow: Quantitative Research Methods in Population Health Sciences
Dr J. Chen, Prof. M Hughes, & Prof. T. VanderWeele, Harvard University.

RELATED PROFESSIONAL EXPERIENCE

- 2014 - 2017 **Anova Health Institute, Johannesburg, South Africa**
MSM Technical Advisor
- Led strategy, monitoring and evaluation of men who have sex with men (MSM) Community Health Outreach Program.

- Oversaw the expansion of this program from 10 staff members in 3 South African cities to over 35 staff members in 7 cities.
- Developed and implemented new national M&E system for Outreach Program, and various management tools and processes that coordinate program activities and foster quality improvement.

2012 - 2013

Global Forum on MSM and HIV (MSMGF), Oakland, United States

Programs and Research Associate

- Provided technical support to LGBT-led NGOs that conduct HIV prevention, care and treatment programs among men who have sex with men (MSM) in east and Southern Africa.

INVITED TALKS

Mar 2023	<i>MPX NYC: Community-Led Response to MPOX in New York City</i> Addressing Stigma by Bi-Directional Learning: Global and Domestic Perspectives panel discussion. 76th Presidential Advisory Council on HIV/AIDS. U.S. Department of Health and Human Services. Washington D.C., United States.
Mar 2023	<i>MPOX - Sexual Networks, HIV and Activism</i> The Choice Agenda webinar series. AVAC Global Advocacy for HIV Prevention. Chicago (Online), United States.
Dec 2022	<i>Activist perspectives on HIV, COVID, and MPOX</i> HIV Center Grand Rounds. Columbia University and New York State Psychiatric Institute. New York (Online), United States.
Sep 2022	<i>Lessons Learned from Implementing the MPX NYC Study</i> 4th Global HIV Surveillance Consultation Meeting. UNAIDS. Geneva (Online), Switzerland.
Sep 2022	<i>MPX NYC: Update and Lessons Learned</i> Community Dialogue with WHO Leadership on Monkeypox. World Health Organization. Geneva (Online), Switzerland.
Aug 2022	<i>A Social Network Epidemiologic view of Inequality in HIV Outcomes</i> Lunch Meeting on Inequalities, HIV and Pandemics, organized by the office of the Director General, UNAIDS. The 24th International Aids Conference. Montreal, Canada.
July 2022	<i>Preparing for the Next Pandemic: Lessons Learned from the Monkeypox Response</i> HIV and Integration: new WHO Strategies for a sustainable health sector response for 2030 and beyond in Montreal. World Health Organization. The 24th International Aids Conference. Montreal, Canada.

- Jun 2022 *The Response to Monkeypox Virus*
Monkeypox: Actions to Prevent, Detect, and Respond to an Emerging Outbreak. Cornell University. New York City (Online), United States.
- Jul 2019 *Overview of HIV Among Men*
Men & HIV Forum at the 10th IAS Conference on HIV Science. Mexico City, Mexico.
- Mar 2017 *HIV Prevention Among Men who have Sex with Men. Wilton Park Conference: Building a stronger HIV prevention movement in Sub-Saharan Africa.* Swakopmund, Namibia.
- May 2017 *Transgender people in Sub-Saharan Africa*
INTEREST Workshop. Lilongwe, Malawi.
- Jul 2016 *Where the Rubber Meets the Road: Moving Self-Testing from Theory to Reality for Africa*
UNITAID/PSI satellite event at 21st International AIDS Conference. Durban, South Africa.
- Jul 2016 *Leaving No One Behind: How to Bring Services to Scale for Key Populations*
PEPFAR satellite event at 21st International AIDS Conference. Durban, South Africa.
- Jul 2016 *Doing the Real Work: Comprehensive LGBT Community-led HIV Interventions Under the Bridging the Gaps Program*
Action + Access: Rights and Demands of Gay and Bisexual Men in the Global HIV Response! MSMGF Pre-Conference at 21st International AIDS Conference. Durban, South Africa.
- Nov 2015 *WHO Key Populations Guidelines and the MSM Implementation Tool*
Key Populations Pre-Conference at the ICASA 2015 Conference. Harare, Zimbabwe.
- Oct 2015 *Making Funding Work: Update on community engagement in PEPFAR and Global Fund processes*
COC Regional Workshop: Reflecting, linking and learning among LGBTI organizations in Southern and East Africa. Cape Town, South Africa.
- Sep 2015 *MSM Outreach and the “We The Brave” campaign*
USAID Symposium: State of the MSM Science and Program for South Africa. Johannesburg, South Africa.

- Nov 2014 *Community at the Center: How Effective Programs for Key Populations can be Delivered and Scaled Up in Difficult Environments.*
Presented at Workshop on Effective HIV Combination Prevention Programming and Budgeting in The Global Fund New Funding Model. Global Fund, UNAIDS, and WHO. Durban, South Africa.
- Jul 2014 *PrEP in MSM Programs Delivered in Challenging Contexts*
Presented at Newsmakers of the Day press conference on Treatment as Prevention. 20th International AIDS Conference. Melbourne, Australia.
- Jul 2014 *Working Despite Legal and Social Constraints: How Effective Programs for Key Populations can be Delivered in Difficult Environments*
Presented at Launch of World Health Organization Consolidated Guidelines on HIV Prevention, Diagnosis, Treatment and Care for Key Populations. 20th International AIDS Conference. Melbourne, Australia.
- Apr 2014 *Creating Enabling Environments: Community Responses to HIV among MSM in Africa*
Presented at meeting entitled “Shaping a new phase in HIV Prevention: Towards Sustainable Action, Innovation and Accountability”. UNAIDS. Geneva, Switzerland.
- Mar 2014 *Community Voices: MSM Values & Preferences on PrEP*
Presented at World Health Organization Guideline Development Group meeting for the Consolidated Guidelines on HIV and Key Populations. WHO. Geneva, Switzerland.
- Dec 2013 *Community Systems Strengthening and Key Populations*
Presented at satellite event entitled “Closing the Gap: Involvement of Key Affected Populations in HIV programming in Africa”. 17th International Conference on AIDS and STIs in Africa. Cape Town, South Africa.
- May 2013 *A Contextual Review of HIV Epidemics in Black Men who Have Sex with Men Across the African Diaspora: Implications for MSM in Sub-Saharan Africa*
Launch of The Lancet Special Edition: HIV in Men Who Have Sex with Men. Crowne Plaza Hotel, Nairobi, Kenya.

SELECTED MEDIA COVERAGE

Related to MPOX outbreak of 2022 and RESPND-MI Study

Television Appearances

“Monkeypox Outbreak Growing Around the World”. (1 July 2022). *José Díaz-Balart Reports*. MSNBC

Mentions in Scientific News Outlets

Theresa Gaffney. (11 August 2022). “With support on monkeypox hard to come by, queer communities turn to one another”. *STAT*. (<https://www.statnews.com/2022/08/11/with-support-on-monkeypox-hard-to-come-by-queer-communities-turn-to-one-another/>)

Sophie Hurwitz. (11 August 2022). “How to fight monkeypox: LGBTQ activists on stigma and centering community”. *Teen Vogue*. (<https://www.teenvogue.com/story/monkeypox-lgbtq-activists>)

Tanya Lewis. (14 July 2022). “U.S. Monkeypox Response Has Been Woefully Inadequate, Experts Say”. *Scientific American*. (<https://www.scientificamerican.com/article/monkeypox-testing-and-vaccination-in-u-s-have-been-vastly-inadequate-experts-say1/>)

Kai Kuperschmidt. (20 June 2022). “Why the monkeypox outbreak is mostly affecting men who have sex with men”. *Science*. (<https://www.science.org/content/article/monkeypox-outbreak-mostly-affecting-men-sex-men>)

Mentions in Popular News Outlets

Dan Zak. (2 August 2022). “Monkeypox is rousing old fears — and ways gay men care for each other.” *Washington Post*. (<https://www.washingtonpost.com/lifestyle/2022/08/02/monkeypox-gay-men/>)

Celine Gounder. (25 July 2022). “The best way to slow the spread of monkeypox”. *Time*. (<https://time.com/6200179/slow-spread-of-monkeypox-vaccine/>)

Maryn McKenna. (25 July 2022). “Ring vaccination beat smallpox. Could it work for monkeypox?”. *Wired*. (<https://www.wired.com/story/ring-vaccination-beat-smallpox-could-it-work-for-monkeypox/>)

SELECTED BOARDS AND COMMITTEES

2023 – Current	Member, Percept, South Africa
2020 – Current	Member, Global Black Gay Men’s Connect Board of Directors
2019 – Current	Member, LVCT Health Board of Directors. Chair of finance sub-committee
2018 – 2022	Member, Governing Council, International Aids Society
2017 – 2017	Member, International Aids Society/Lancet Commission on the Future of Global Health and the HIV Response
2016 – Current	Member, World Health Organization (WHO) Strategic and Technical Advisory Committee on HIV, Viral Hepatitis, and Sexually Transmitted Infections

2016 – 2017 Member, Regional Oversight Committee for KP REACH

2015 – 2017 Member, World Health Organization (WHO) Civil Society Reference
Group on HIV

MEMBERSHIP IN PROFESSIONAL ASSOCIATIONS

Public Health Association of South Africa
International AIDS Society
Society for Epidemiological Research

SERVICE TO PROFESSION

Peer-Reviewer:

Journal of the International Aids Society
PLOS One
African Journal of AIDS Research
Sexually Transmitted Infections
Critical Public Health
African Journal of AIDS Research
BMC Medicine
The BMJ
American Journal of Epidemiology
Health Equity

Reviewer of the Year:

American Journal of Epidemiology (2022)