

CURRICULUM VITAE

Sharon Stucker Weir

PERSONAL

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EDUCATION

1997	School of Public Health University of North Carolina	PhD in Epidemiology
1985	School of Public Health University of North Carolina	MPH in Maternal and Child Health
1980	Duke University Durham, North Carolina	MA in Policy Sciences and Public Affairs
1978	University of North Carolina Chapel Hill, North Carolina	BA in Journalism

PROFESSIONAL EXPERIENCE

Current:	Research Assistant Professor, Department of Epidemiology, UNC Population Fellow, Carolina Population Center, UNC Senior Technical Advisor for Key Populations, MEASURE/ <i>Evaluation</i> Project, UNC Instructor: Epidemiology and Social Aspects of HIV in Developing Countries, UNC UNC Principal Investigator for LINKAGE Project (Linkages led by FHI360)
2015-2018	UNC Principal Investigator for MESH Project and Co-Chair of MESH Key Populations Technical Working Group (MESH led by LSHTM)
mid-1999	MEASURE Fellow (Epidemiology), Carolina Population Center, UNC
1998-1999:	Epidemiologist II, Family Health International (FHI), Durham, NC, USA
1994-1997	Epidemiologist I in Contraceptive Use and Epidemiology Division, FHI
1989-1993	Research Associate in Operations Research, AIDSTECH Division, FHI
1988-1989	Program Coordinator for Africa, AIDSTECH Division, FHI
1985-1988	Senior Research Analyst, Program Evaluation Division, FHI
1982-1984	Policy Analyst, Research Triangle Institute, RTP, USA.
1980-1982	Policy Analyst, Office of Legislative and Regulatory Policy, Social Security Administration, Department of Health and Human Services, Washington DC, USA.

Teaching: Lead Instructor since 2001, Epidemiology and Social Aspects of HIV in Developing Countries, Graduate Level Course, Department of Epidemiology, University of North Carolina, Chapel Hill NC

Advising: Completed: Carolina Population Center Pre-Doctoral Trainees: 4; Doctoral Dissertation Committees: 5 ; Graduate Research Assistants: 9
Current: Carolina Population Center Post-Doctoral Trainee: 1

Graduate Research Assistants: 2-3

Computing skills: SAS, STATA, SPSS, Epi-Info

Editorial Boards: **BMC International Health and Human Rights**

Dissertation: *The Use of Capture-Recapture Methods to Evaluate AIDS Prevention Programs*

Projects

- **MEASURE Evaluation Phase 4**, Senior Technical Advisor for Key Populations
- **Linkages Project**, UNC PI
- **Monitoring, Evaluation and Surveillance For HIV (MESH) Consortium**, UNC PI
- **Malawi PLACE Study**, UNC PI

PLACE Studies / Principal Investigator

- **Africa** ;South Africa, Zimbabwe, Malawi, Rwanda, Tanzania, Kenya, Uganda, DRC, Ghana, Cote d'Ivoire, Madagascar, Burkina Faso, Burundi, Zambia,
- **Central Asia/ Asia:** Kazakhstan, Uzbekistan, Kyrgyzstan, China, India
- **Latin/Central/South America:** Guyana, Mexico, Jamaica, Haiti, Dominican Republic

Manuals & Training & Workbooks

- Operational Guidelines for Monitoring and Evaluation of HIV Programmes for Sex Workers, Men who have Sex with Men and Transgender People (UNAIDS, WHO, GF, UNDP, UNFPA, MEASURE Evaluation)
- Programmatic Mapping and Size Estimation: Workbook for Writing a Programmatic Mapping Proposal
- Strategic Information Workshop for Key Population Programs, December 2017
- PLACE Manual
- Review and Revise Tool for Reaching Consensus on Size Estimates for Key Populations

Reports 2017-2018

- **PLACE Report Haiti**
- **PLACE Report Malawi**
- **PLACE Report Democratic Republic of the Congo**
- **PLACE Report Abidjan**
- **PLACE Report Angola**
- **PLACE Report Mozambique**

Publications Submitted

To: AJE: AM Verdery, SS Weir, Z Reynolds, JK Edwards. Estimating Hidden Population Sizes with Venue Based Sampling: Extensions of the Generalized Network Scale Up Estimator. Accepted.

To: PLOS One: William M Miller^{1*}¶, Diane Mpinganzima^{2&}, Apollinaire Kavungerwa^{3α}, Audace Niyongere^{4α}, Andre Bizozza^{2β}, Sharon S Weir^{1,5Ω}. Venues, risk and HIV prevention across urban and rural areas of Burundi: A PLACE study. Rejected, will resubmit.

To: JMIR Public Health and Surveillance: Emmanuel, F, Persaud N, Weir SS, Bhattacharjee P, Isaac S. Evidence from Programmatic Mapping to develop high impact HIV prevention programs for female sex workers. In press.

Publications

Fearon A, Phillips A, Mtetwa S, Chabata ST, Mushati P, Cambiano V, Busza J, Napierala S, Hensen B, Baral S, Weir SS, Rices B, Cowan F, Hargreaves JR. How can programmes better support female sex workers to avoid HIV infection in Zimbabwe? A prevention cascade analysis. *JAIDS* 21, (Issue 81).

Edwards JK, Armini P, Ssengooba F, Mulholland G, Markiewicz M, Bukusi EA, Orikiiriza JT, Virkud A, Weir SS. The HIV care continuum among resident and non-resident populations found in venues in East Africa cross-border areas. *JAIDS* 22 (1) e25226.

Cheng W, Xu H, Zhong F, Pan S, Tucker JD, Weir SS, Zhao J, Tang W. Can HIV service data be used for surveillance purposes?: a case study in Guangzhou, China. *BMC public health* 18 (1), 1268

Weir SS, Figueroa JP, Scott M, Byfield L, Cooper CJ, Hobbs MC. "Reaching Key Populations through Key Venues: Insights from the Jamaica HIV Prevention Program." *PloS One* 13 (11), e0206962

Edwards JK, Hileman S, Donastorg Y, Zadrozny S, Baral S, Hargreaves JR, Fearon E, Zhao J, Datta A, Weir SS. Estimating sizes of key populations at the national level: considerations for study design and analysis. *Epidemiology* 29 (6), 795-803 1 2018

Herce ME, Miller WM, Bula A, Edwards JK, Sapalalo P, Lancaster K, Mofolo I, Furtado M, Weir SS. Achieving the 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*, July 2018, e25132.

Cheng W, Xu H, Weir SS, Pan S, Zhong F, Tucker JD, Tang W, Zhao J. HIV testing programme data for surveillance purposes: a case study in Guangzhou, China. *The Lancet*. 2017 Dec 31;390:S77.

Rice, B., Boulle, A., Baral, S., Egger, M., Mee, P., Fearon, E., Reniers, G., Todd, J., Schwarcz, S., **Weir, S.**, Rutherford, G. and Hargreaves, J. (2018). Strengthening Routine Data Systems to Track the HIV Epidemic and Guide the Response in Sub-Saharan Africa. *JMIR public health and surveillance*, 4(2), e36. PMID: 5904448

Weir SS, Baral SD, Edwards JK, Zadrozny S, Hargreaves J, Zhao J, Sabin K. "HIV Surveillance of Key Populations: Opportunities for Enhanced Strategic Use of Surveys, Health Records, and Program Data" *JMIR Public Health Surveill* 2018;4(2):e28.doi:10.2196/publichealth.8042

Drumright L, Weir SS, Frost S. "The role of venues in structuring HIV, sexually transmitted infections, and risk networks among men who have sex with men" *BMC Public Health*. 2018 Feb 7;18(1):225. doi: 10.1186/s12889-018-5140-3.

Miller WM, Miller WC, Barrington C, Weir SS, Chen SY, Emch ME, Pettifor AE, Paz-Bailey G. "The Where and How for Reaching Transgender Women and Men Who Have Sex with Men with HIV Prevention Services in Guatemala" *AIDS Behav*. 2017 Dec;21(12):3279-3286. doi: 10.1007/s10461-016-1655-8.

Rao A, Stahlman S, Hargreaves J, Weir S, Edwards J, Kochelani D, Kochelani D, Mavimbela M, Baral S. Sampling Key Populations for HIV Surveillance: Results From Eight Cross-Sectional Studies Using Respondent-Driven Sampling and Venue-Based Snowball Sampling. *JMIR Public Health Surveill*. 2017 Oct 20;3(4):e72. doi: 10.2196/publichealth.8116.

A Collins-Fairclough, A Dennis, J Nelson, S Weir, JP Figueroa. HIV Drug Resistance Surveillance among Jamaican Men who have Sex with Men should be Prioritized for Reducing HIV Transmission" *AIDS Research and Human Retroviruses*. 31 (8), 841-844, 2015

JP Figueroa, CJ Cooper, JK Edwards, L Byfield, S Eastman, MM Hobbs. Understanding the High Prevalence of HIV and Other Sexually Transmitted Infections among Socio-Economically Vulnerable Men Who Have Sex with Men in Jamaica, *PloS one* 10 (2), e0117686, 2015

MG Merli, J Moody, J Smith, J Li, S Weir, X Chen. Challenges to recruiting population representative samples of female sex workers in China using Respondent Driven Sampling, *Social Science & Medicine* 125, 79-93, 4, 2015

G Vargas-Guadarrama, CM Rueda-Neria, S Bassett-Hileman, S Weir [Identification of meeting sites of new sexual partners in two Southern border cities in Mexico using the PLACE method] *Salud P blica de M xico* 45, S647-S656 2015

SS Weir, JP Figueroa, LL Byfield, MA Scott, MM Hobbs, JE Edwards. "Do you think your main partner has other sex partners?" A simple question provides insight into sexual risk in Jamaica. *International journal of STD & AIDS*, 2014

Weir, S., Li, J., Edwards, J., Gandhi, A., Yingying, H., Suchindran, C. and Chen, X. (2013). Exploring Venue-Associated Risk: A Comparison of Multiple Partnerships and Syphilis Infection Among Women Working at Entertainment and Service Venues. *AIDS and Behavior* 2014 S153-S141.

Weir, S., Pan, S., Huang, Y., Zhang, N., Gandhi, A. and Chen, X. (2013). Brief Non-Commercial Sexual Encounters Among Patrons of Entertainment Venues in Liuzhou, China. *AIDS and Behavior* 2014, 18:S135-141.

Figueroa, J. P., Weir, S. S., Jones-Cooper, C., Byfield, L., Hobbs, M. M., McKnight, I. and Cummings, S. (2013). High HIV prevalence among men who have sex with men in Jamaica is associated with social vulnerability and other sexually transmitted infections. *The West Indian medical journal*, 62(4), 286-91. PMID: 4000540

G Vargas-Guadarrama, CM Rueda-Neria, S Bassett-Hileman, S Weir [Identification of meeting sites of new sexual partners in two Southern border cities in Mexico using the PLACE method] *Salud Publica de Mexico* 45, S647-S656, 2013

Weir SS, Merli MG, Li J, Gandhi AD, Neely WW, Edwards JK, Suchindran CM, Henderson GE, Chen XS. A comparison of respondent-driven and venue-based sampling of female sex workers in Liuzhou, China *Sexually Trans Inf* 88 (Suppl 2), i95-i1015

J Li, XS Chen, MG Merli, SS Weir, GE Henderson. Systematic Differences in Risk Behaviors and Syphilis Prevalence Across Types of Female Sex Workers: A Preliminary Study in Liuzhou, China, *Sex Transm Dis*. 2012 Mar;39(3):195-200.

Yamanis, T.J., et al., From Coitus to Concurrence: Sexual Partnership Characteristics and Risk Behaviors of 15-19 Year Old Men Recruited from Urban Venues in Tanzania. *AIDS and Behavior*, 2012.

Singh K, Brodish P, Mbai F, Kingola N, Rinyuri A, Njeru C, Mureithi P, Sambisa W, Weir S A Venue-Based Approach to Reaching MSM, IDUs and the General Population with VCT: A Three Study Site in Kenya. *AIDS Behav*. 2012 May;16(4):818-28

Brodish P, Singh K, Rinyuri A, Njeru C, Kingola N, Mureithi P, Sambisa W, Weir S. Evidence of high-risk sexual behaviors among injection drug users in the Kenya PLACE study. *Drug Alcohol Depend*. 2011 Dec 1;119(1-2):138-41

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Bernard HR, Hallett T, Iovita A, Johnsen EC, Lyerla R, McCarty C, Mahy M, Salganik MJ, Saliuk T, Scutelnicuic O, Shelley GA, Sirinirund P, Weir S, Stroup DF. Counting hard-to-count populations: the network scale-up method for public health. *Sex Transm Infect.* 2010 Dec;86 Suppl 2:ii11-5.

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Singh K, Sambisa W, Munyati S, Chandiwana B, Chingono A, Monash R, Weir SS. Targeting HIV interventions for adolescent girls and young women in Southern Africa: use of the PLACE methodology in Hwange District, Zimbabwe. *AIDS and Behavior* 2010;14(1):200-8.

Mwandagalirwa, K, Jackson EF, McClamroch K, Bollinger R, Ryder RW, Weir SS. Local Differences in HIV Prevalence: A Comparison of Social Venue Patrons, Antenatal Patients, and STI Patients in Eastern Kinshasa. *Sexually Transmitted Diseases.* 2009;36(7):406-412.

Khan MR, Rasolofomanana JR, McClamroch KJ, Ralisimalala A, Zafimanjaka MG, Behets F, Weir SS. High-Risk Sexual Behavior at Social Venues in Madagascar. *Sex Transm Dis.* 2008; 35(8):738-45.

Weir SS, Figueroa JP, Byfield L, Hall A, Cummings S, Suchindran C. A randomized controlled trial to investigate impact of site-based safer sex programs in Kingston, Jamaica: trial design, methods and baseline findings. *Trop Med Int Health.* 2008; 13(6):801-13.

Khan MR, Patnaik P, Brown L, Nagot N, Salouka S, Weir SS. Mobility and HIV-Related Sexual Behavior in Burkina Faso. *AIDS Behav.* 2008;12(2):202-12.

Khan MR, Wohl DA, Weir SS, Adimora AA, Moseley C, Norcott K, Duncan J, Kaufman JS, Miller WC. Incarceration and Risky Sexual Partnerships in a Southern US City. *J Urban Health.* 2008;85(1):100-13.

Figueroa JP, Brewer CB, Dale D, Hileman SB, Weir SS. An Assessment of Sites Where Persons Go to Meet Sexual Partners in St. James, Jamaica Using the PLACE Method. *Sex Transm Dis* 2006; 34(6):410-5.

Khan M, Brown L, Nagot N, Salouka S, Weir SS. HIV-related sexual behavior in urban, rural and border areas of Burkina Faso. *AIDS Behav* 2006; 10: 607-617.

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J Cleland, T Boerma, M Carael, S Weir. Monitoring sexual behaviour in general populations: a synthesis of lessons of the past decade. *Sex Trans Infections* 2004; 80(Suppl 2):1-7.

Weir SS, Tate JE, Zhusupov B, Boerma JT. Where the action is: monitoring local trends in sexual behavior. *Sex Trans Infections* 2004; 80(Suppl 2):63-68.

Weir SS, Pailman C, Mahalela X, Coetzee N, Meidany F, Boerma JT. From people to places: focusing AIDS prevention efforts where it matters most. *AIDS* 2003; 17:895-903.

Weir, S. S., C. Morroni, N. Coetzee, J. Spencer, J. T. Boerma. A pilot study of a rapid assessment method to identify places for AIDS prevention in Cape Town, South Africa. *Sex Trans Infections* 2002; 78(Suppl I):i106-i113.

Weir SS, Roddy RE, Zekeng L, Ryan KA. The association between condom use and HIV infection: a randomized study of self-reported condom use measures. *Jour of Epi and Community Health* 1999;53:417-422.

Feldblum PJ, Weir SS, Cates WC. The protective effect of condoms and nonoxynol-9 against HIV infection: a response to Wittkowski and colleagues. *Am J Public Health* 1999; 1:108-110.

Weir SS, Roddy RE, Zekeng L, Ryan KA, Wong EL. Measuring condom use: asking 'do you or don't you' isn't enough. *AIDS Educ and Prev* 1998;10:293-302.

Roddy RE, Zekeng L, Ryan KA, Tamoufé U, Weir SS, Wong EL. A controlled trial of nonoxynol-9 film to reduce male-to-female transmission of sexually transmitted diseases. *N Engl J Med* 1998;339:504-10.

Weir S, Fox L, DeMoya A, Gomez B, Guerro E, Hassig S. Measuring condom use among sex workers in the Dominican Republic. *Int J STD AIDS* 1998; 9(4):223-6.

Ryan KA, Roddy RE, Zekeng L, Weir SS. Characteristics associated with prevalent HIV infection among a cohort of sex workers in Cameroon. *Sexually Transmitted Infections* 1998;74:131-135.

Asamoah-Adu A, Weir S, Pappoe M, Kanlisi N, Neequaye A, Lamptey P. Evaluation of a targeted AIDS prevention intervention to increase condom use among prostitutes in Ghana. *AIDS* 1994, 8:239-246.

Williams E, Lamson N, Efem S, Weir S, Lamptey P. Implementation of an AIDS prevention program among prostitutes in the Cross River State of Nigeria [letter]. *AIDS* 1992; 6(2): 229-230.

Boohene E, Tsodzai J, Hardee-Cleaveland K, Weir S, and Janowitz B. "Fertility and contraceptive use among young adults in Harare, Zimbabwe." *Stud in Fam Plan* 22(4) 1991, p. 264-271.

Hapugalle D, Janowitz B, Weir S. "Sterilization Regret in Sri Lanka: A Retrospective Study. *International Family Planning Perspectives* 15 (1):22, 1989.

Omu A, Weir S, Janowitz B. "The Effect of Counseling on Sterilization Acceptance by High Parity Women in Nigeria." *International Family Planning Perspectives* 15(2):66, 1989.

Book Chapters

Lamptey P and Weir S. Targeted AIDS intervention programs in Africa. In *AIDS Prevention through Education: A World View*, Oxford University Press, 1992. Edited by Jaime Sepulveda, Jonathan Mann and Harvey Fineberg.