

CURRICULUM VITAE

Sandra I. McCoy

Personal Data

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Education

2004-2008	PhD	Department of Epidemiology, University of North Carolina, Chapel Hill, NC
2000-2002	MPH	Department of Epidemiology, University of Michigan, Ann Arbor, MI
1995-1999	BA	Department of Molecular and Cell Biology, University of California, Berkeley, CA

Current Positions

2011 – Present	Assistant Adjunct Professor of Epidemiology, School of Public Health University of California, Berkeley, CA
2015 – Present	Affiliate Researcher, Consortium for Research on HIV, AIDS, & TB (CISIDAT) Cuernavaca, Mexico
2012 – Present	Faculty Affiliate, Center for Effective Global Action (CEGA) University of California, Berkeley
2016 – Present	Faculty Affiliate, I4Y (Innovations for Youth) School of Public Health University of California, Berkeley

Previous Positions

2010 – 2015	Assistant Researcher, Institute for Integrative Social Sciences, UC Berkeley
2008 – 2011	Project Director, Sexually Transmitted Infections Clinical Trials Group (STI CTG) University of California, Berkeley, CA (2009-2011) and RTI International (2008-09) Provided scientific and technical expertise to STI CTG projects, the Executive Committee, and the Scientific Review Committee.
2005 – 2008	Data Manager, Screening and Tracing Active HIV Transmission (STAT) Program Department of Medicine, University of North Carolina, Chapel Hill, NC Responsible for data management, statistical support, and analytic projects for the University of North Carolina STAT acute HIV project.

- 2004 – 2005 **Graduate Research Assistant, North Carolina Center for Public Health Preparedness**
University of North Carolina, Chapel Hill, NC
Assisted with analytic projects and provided data management support as needed. Supported public health investigations and training activities.
- 2002 – 2004 **Quantitative Epidemiologist, Respiratory Diseases Branch**
Centers for Disease Control and Prevention, Atlanta, GA
Provided data management, statistical, and analytic support to the Active Bacterial Core surveillance system of the Emerging Infections Program Network.
- 2001 – 2002 **Trainee, Interdisciplinary Program in Infectious Diseases**
Center for Molecular and Clinical Epidemiology, University of Michigan, Ann Arbor, MI
- 2000 – 2002 **Graduate Research Assistant, Department of Epidemiology**
University of Michigan, Ann Arbor, MI
Coordinated a multi-site study of *Streptococcus pneumoniae* colonization, genetic diversity, and antibiotic resistance among children attending day care.
- 1999 – 2000 **Research Associate, Onyx Pharmaceuticals, Richmond, CA**
Independently optimized and coordinated usage of a high-throughput cell-based ELISA system of viral quantitation for the adenovirus research group.
- 1998 – 1999 **Student Intern (summer), Measles Research Laboratory**
Centers for Disease Control and Prevention, Atlanta GA

Honors and Awards

- 2016 School of Public Health Award for Teaching Excellence, Spring 2016
- 2016 School of Public Health Award for Teaching Excellence, Fall 2015
- 2015 School of Public Health Award for Teaching Excellence, Spring 2015
- 2015 Recipient, Instructional Improvement Grant, UC Berkeley, 2015
- 2014 School of Public Health Award for Teaching Excellence, Spring 2014
- 2014 Global Health Equity Scholars Junior Faculty Fellow, UC Berkeley
- 2013 Institute of International Studies Junior Faculty Fellowship, UC Berkeley
- 2012 National Institutes of Health Loan Repayment Program: Health Disparities Research
- 2010 National Institutes of Health Loan Repayment Program: Health Disparities Research
- 2009 Scholarship recipient, National HIV Prevention Conference
- 2009 Delta Omega, Honorary Society in Public Health inductee
- 2008 UNC Graduate School Impact Award Recipient
- 2007 Travel Grant Award Winner, 17th International Society for STD Research Meeting
- 2003 Centers for Disease Control and ATSDR Honor Award, 2002 West Nile virus epidemic

Doctoral Dissertation

HIV Testing and Linkage to Care in North Carolina: Early Diagnosis, Late Diagnosis, and Delayed Presentation to Care. Committee: William C. Miller, MD, PhD (Chair), Joseph J. Eron, Jr., MD, Peter A. Leone, MD, Pia MacDonald, PhD, Ronald Strauss, PhD, DMD

Master's Thesis

Variation in *Streptococcus pneumoniae* Carriage Among Children Attending Day Care: A Cross-Sectional Study; 2002, 27 pages. Master's Advisor: Betsy Foxman, MPH PhD

Grants and Independent Support

- 2016 Co-Investigator, Incentives to Support Young Women to Re-Enroll in Secondary School after Pregnancy; PEPFAR DREAMS Innovation Award (JSI); 10/1/2016-9/30/2018, Total award \$430,599
- Co-Investigator, Evaluation of the Population-Level Impact of PMTCT Option B+ in Zimbabwe; NIH/NICHD R01HD080492 (Padian); 8/20/15-5/31/17
- 2015 Principal Investigator, Advancing Prevention and Linkage to Care among MSM with Gamification; NIH/NIMH R34MH106359; 04/10/2014-03/31/2019, Total award \$663,922
- Principal Investigator, Understanding the Mechanism of Action of Cash and In-Kind Transfers to Improve the Health of People Living with HIV Infection in Tanzania; NIH/NIMH R03MH105327-01A1; Total award \$115,970
- 2014 Principal Investigator, Priming HIV-Infected Patients to Adhere to Antiretroviral Therapy in Tanzania: An Application of Insights from Behavioral Science; Grand Challenge Explorations, Bill & Melinda Gates Foundation; 11/1/14-4/30/16, Total award \$100,000
- Principal Investigator, Integration of Community MNCH Services with PMTCT using Community Health Workers to Enhance Retention in Care and Improve Adherence to Antiretroviral Therapy in Tanzania; International Initiative for Impact Evaluation (3ie); 1/28/2015-5/31/16, Total award \$356,212 (Note that due to administrative reasons, Amref Health Africa is the prime grant holder and UCB is a sub-grantee.)
- Principal Investigator, Administrative Supplement, Agricultural Livelihoods, Food Security, and Women's Risk of HIV Infection; NIH/NIMH 1K01MH094246; 3/1/2014 – 2/29/2016, Total award \$250,000
- 2011 Principal Investigator, Agricultural Livelihoods, Food Security, and Women's Risk of HIV Infection; NIH/NIMH 1K01MH094246; 5/13/2011 – 2/29/2016, Total award \$827,339
- 2010 Principal Investigator, Incentives for Improving HIV Testing in Oakland; California HIV/AIDS Research Program; 04/01/10-03/31/12, Total award \$199,643
- Co-Investigator, Enhancing Food Production and Food Security Through Improved Inputs: An Evaluation of Tanzania's National Agricultural Input Voucher Scheme with A Focus on Gender Impacts; International Initiative for Impact Evaluation (3ie); 04/01/10-03/31/12; Total award \$555,438
- Co-Investigator, External Evaluation of the Elizabeth Glaser Pediatric AIDS Foundation's Prevention of Mother-to-Child HIV Transmission Programme in Zimbabwe; Children's Investment Fund Foundation, 1/2011-12/2016
- 2009 Co-Principal Investigator, Acceptability of Conditional Cash Transfers for HIV Prevention in Oakland; Berkeley Population Center; Total award \$8,000
- 2007 Principal Investigator, Understanding the Care-Seeking Behavior of HIV Positive Persons in North Carolina; CDC (R36); Total direct costs \$34,885

Co-Investigator, Understanding Barriers to Timely Presentation to HIV Care in North Carolina; UNC Center for AIDS Research; Total award \$5,000

Recipient, Gamma Phi Beta Foundation Fellowship, Total award \$5,000

2005 Recipient, Gamma Phi Beta Foundation Fellowship, Total award \$4,000

Professional Societies

International AIDS Society, 2011 to date
 International Society for Infectious Diseases, 2011 to date
 California Public Health Association – North, 2009 to date
 Society for Epidemiologic Research, 2007 to date
 North Carolina Public Health Association, 2005–2008
 Global Health Council, 2007–2008

Teaching and Mentoring

2016 Instructor, Public Health 250A: Epidemiologic Methods I
 University of California, Berkeley

Instructor, Public Health 253B: Epidemiology and Control of Infectious Diseases
 University of California, Berkeley

2015 Instructor, Public Health 250A: Epidemiologic Methods I
 University of California, Berkeley

Instructor, Public Health 253B: Epidemiology and Control of Infectious Diseases
 University of California, Berkeley

Faculty Advisor, PH198: The Greater Good (De-Cal Course)
 University of California, Berkeley

2014 Co-Instructor, Public Health 253B: Epidemiology and Control of Infectious Diseases
 Co-Instructor, Public Health 293.16 Epidemiology Doctoral Seminar
 University of California, Berkeley

2013 Co-Instructor, Public Health 253B: Epidemiology and Control of Infectious Diseases
 University of California, Berkeley

2012 Faculty Mentor, 2012 PEPFAR/Fogarty Summer Scholars’ Program
 University of California, Berkeley

2011 Co-Instructor, Public Health 253B: Epidemiology and Control of Infectious Diseases
 University of California, Berkeley

2006 Teaching Assistant for Epidemiology 711: Clinical Measurement and Evaluation
 University of North Carolina, Chapel Hill, NC

2006-2007 Teaching Assistant for Epidemiology 725/726: Epidemiology Research Methods
 University of North Carolina, Chapel Hill, NC

- 2005 Teaching Assistant for Epidemiology 140: Methods in Field Epidemiology
University of North Carolina, Chapel Hill, NC (Fall semester)
- 2005 Teaching Assistant for Epidemiology 141: Methods in Field Epidemiology
University of North Carolina, Chapel Hill, NC (Spring semester)

Predoctoral Students Supervised or Mentored

Name	Dates	Status / Current Position
Lauren Ralph	2010-2015	Completed PhD at UC Berkeley
Nancy Czaicki	2012-2016	Completed PhD at UC Berkeley
Agnes Basirye	2012-2013	Completed MPH at UC Berkeley
Laura Blum	2012-2014	Completed MPH at UC Berkeley
Monica Chowdhary	2012-2013	Completed BA in Public Health at UC Berkeley
Halea Meese	2011-2012	Completed BA at UC Berkeley
Amanda Wheeler	2011-2012	Completed MPH at UC Berkeley
Chris Andersen	2013-2014	Completed MS at UC Berkeley
Jan Cooper	2013-2016	Completed PhD at UC Berkeley
Carolyn Fahey	2014-present	PhD student at UC Berkeley
Nerissa Nance	2014-2016	Completed MPH at UC Berkeley
Anna Najor	2015-2016	Completed BA at UC Berkeley
Jillian Kadota	2015-present	MPH student at UC Berkeley
Victoria Mercado	2015-present	MPH student at UC Berkeley
Hannah Kleiner	2016-present	MPH student at UC Berkeley
Lauren Hunter	2016-present	MPH student at UC Berkeley

Publications (in chronological order)*Peer-Reviewed Journal Articles*

- Farjo RS, Foxman B, Patel MJ, Zhang L, Pettigrew MM, **McCoy SI**, Marrs CF, Gilsdorf JR. Diversity and sharing of *Haemophilus influenzae* strains colonizing healthy children attending daycare centers. *Ped Infect Dis J* 2004;**23:41-46**.
- McCoy S**, Zell E, Besser R. Antimicrobial prescribing for otitis externa. *Ped Infect Dis J* 2004;**23:181-183**
- Centers for Disease Control and Prevention. Diminishing Racial Disparities in Early-Onset Neonatal Group B Streptococcal Disease --- United States, 2000--2003. *MMWR* 2004;**53:502-5**. [Lead author]
- Basbosa-Cesnik C, Farjo RS, Patel M, Gilsdorf J, **McCoy SI**, Pettigrew MM, Marrs C, Foxman B. Predictors for *Haemophilus influenzae* colonization, antibiotic resistance and for sharing an identical isolate among children attending 16 licensed day-care centers in Michigan. *Ped Infec Dis J* 2006;**23:181-3**.
- Hightow LB, Leone PA, MacDonald PDM, **McCoy SI**, Sampson LA, Kaplan AH. Men who have sex with men and women: A unique risk group for HIV transmission on North Carolina college campuses. *Sex Transm Dis* 2006; **33:585-93**. PMID: 16641826.
- JP Watt, KL O'Brien, AL Benin, **McCoy SI**, C Donaldson, R Reid, A Schuchat, E Zell, M Hochman, M Santosham, CG Whitney. Risk Factors for Invasive Pneumococcal Disease among Navajo Adults. *American Journal of Epidemiology* 2007;**166:1080-7**.

7. Patterson KB, Leone PA, Fiscus SA, Kuruc J, **McCoy SI**, Wolf L, Foust E, Williams D, Eron JJ, Pilcher CD. Frequent detection of acute HIV in pregnant women. *AIDS* 2007;21:2303-8. PMID: 18090278.
8. Miller WC, Leone PA, **McCoy S**, Nguyen TQ, Williams DE, Pilcher CD. Targeted testing for acute HIV infection in North Carolina. *AIDS* 2009;27:835-43. PMID: 19318909.
9. **McCoy SI**, Kuruc J, Strauss RP, MacDonald PD, Fiscus S, Pilcher CD, Eron JJ, Leone PA, Miller WC. Sexually Transmitted Infections Among Acute HIV Patients in North Carolina: Evidence of Co-infection. *Sex Transm Dis* 2009;36:372-4. PMID: 19387421.
10. Hurt C, **McCoy SI**, Kerkau M, et al. Frequency of transmitted drug resistance among acute and recently HIV-infected patients in North Carolina is similar to reports from more urbanized areas. *Antiretroviral Therapy* 2009;14:673-8. PMID: 19704170.
11. Moore ZS, **McCoy S**, Kuruc J, Hilton M, Leone PA. Number of Partners Reported by Persons with Acute vs. Established HIV Infection — North Carolina, 2002–2007. *J Acquired Immune Deficiency Syndrome* 2009;52:509-13. PMID: 19568174.
12. **McCoy SI**, Strauss RP, MacDonald PD, Eron JJ, Leone PA, Miller WC. Social Support and Delays Seeking Care after HIV Diagnosis. *AIDS Care* 2009;21:1148-1156. PMID: 20024774.
13. **McCoy SI**, Miller WC, Hurt C, MacDonald PD, Eron JJ, Leone PA, and Strauss RP. Barriers and Facilitators to HIV Testing and Primary Care: Narratives of People with Advanced HIV in the Southeast. *AIDS Care* 2009;21:1313-20. PMID: 20024708.
14. **McCoy SI**, Kangwende RA, and Padian NS. Behavior Change Interventions to Prevent HIV among Women Living in Low and Middle Income Countries – A Systematic Review. *AIDS & Behavior* 2010;14:469-82. PMID: 19949847.
15. Wasserheit J, **McCoy SI**, Balkus J, Padian NS. Weighing the gold in the gold standard: Challenges in HIV prevention research. *AIDS* 2010;24:621-35. PMID: 20179575.
16. **McCoy SI**, Jones B, Leone PA, Napravnik S, Quinlivan EB, Eron JJ, Miller WC. Variability of the Date of HIV Diagnosis: A Comparison of Self-Report, Medical Record, and HIV/AIDS Surveillance Data. *Annals of Epidemiology* 2010;20:734-42. PMID: 20620077.
17. **McCoy SI**, Jewell NP, Hubbard A, Gerdtz CE, Doherty IA, Padian NS, Minnis AM. A Trajectory Analysis of Alcohol and Marijuana Use among Latino Adolescents in San Francisco, California. *Journal of Adolescent Health* 2010;47:564-74. PMID: 21094433
18. Padian NS, Holmes CB, **McCoy SI**, Lyerla R, Bouey PD, Goosby EP. Implementation Science for PEPFAR. *J Acquir Immune Defic Syndr* 2011;56:199-203. PMID: 21239991.
19. Padian NS, **McCoy SI**, Manian S, Wilson D, Schwartlander B, Bertozzi, S. Evaluation of Large-Scale Combination HIV Prevention Programs: Essential Issues. *J Acquired Immune Def Syndrome* 2011;58:e23-8. PMID: 21694607.
20. Padian NS, **McCoy SI**, Hasen N, Cohen M, Katabira E, Bartos M, Kim J, Schwartlander B. HIV Prevention Transformed: The New Prevention Research Agenda. *Lancet* 2011;378:269-78.
21. Rawat R, **McCoy SI**, Kadiyala S. Poor diet quality is associated with low CD4 count and anemia and predicts mortality among antiretroviral therapy naive HIV-positive adults in Uganda. *J Acquir Immune Defic Syndr* 2013;62:246-53.

22. **McCoy SI**, Zheng W, Montgomery E, Blanchard K, van der Straten A, de Bruyn G, Padian NS. Oral and Injectable Contraception Use and Risk of HIV Acquisition among Women: The Methods for Improving Reproductive Health in Africa (MIRA) Study. *AIDS* 2013;27:1001-9. PMID: 23698064.
23. **McCoy SI**, Shiu K, Smith CD, Mattox L, Smith PD, Gluth D, Martin M, Padian NS Improving the Efficiency of HIV Testing With Peer Recruitment, Financial Incentives, and the Involvement of Persons Living with HIV Infection. *J Acquired Immune Def Syndromes* 2013;63:e56-63. PMID: 23403860
24. **McCoy SI**, Ralph LJ, Wilson W, Padian NS. Alcohol production as an adaptive livelihood strategy for women farmers in Tanzania and its potential for unintended consequences on sexual and reproductive health. *PLOS One* 2013;8(3):e59343. PMID: 23527167
25. Young SL, Wheeler A*, **McCoy SI**, Weiser SD. A Review of the Role of Food Insecurity in Adherence to Care and Treatment Among Adult and Pediatric Populations Living with HIV and AIDS. *AIDS & Behavior* 2014; Suppl 5:S505-15. PMID: 23842717
26. **McCoy SI**, Ralph LJ*, Njau P, Msolla MM, Padian, NS. Food insecurity, socioeconomic status, and HIV-related risk behavior among women in farming households in Tanzania. *AIDS & Behavior* 2014 18(7):1224-36. PMID: 24097335
27. **McCoy SI**, Ralph LJ*, Padian NS, Minnis AM. Are Hormonal Contraceptive Users More Likely to Misreport Unprotected Sex? Evidence From a Biomarker Validation Study in Zimbabwe. *AIDS & Behavior* 2014; 2014 Dec;18(12):2259-64. PMID: 24619603
28. Singer AW*, Weiser SD, **McCoy SI**. Does Food Insecurity Undermine Adherence to Antiretroviral Therapy? A Systematic Review. *AIDS & Behavior* 2015 Aug;19(8):1510-26. PMID: 25096896
29. **McCoy SI**, Buzdugan R, Padian NS, Engelsman B, Mushavi A, Mahomva A, Watadzaushe C, Dirawo J, Cowan F. Unmet Need for Family Planning, Contraceptive Failure, and Unintended Pregnancy Among Women Living with HIV Infection in Zimbabwe, *PLOS One* 2014 Aug 21;9(8):e105320. PMID: 25144229
30. Ralph LJ*, **McCoy SI**, Shiu K, Padian NS. Hormonal contraception use and women’s risk of HIV acquisition: a meta-analysis of observational studies. *Lancet Infectious Diseases* 2015; 15(2):181-9 PMID: 25578825
31. **McCoy SI**, Buzdugan R, Engelsmann B, Mushavi A, Mahomva A, Padian NS, Cowan FM. Uptake of prevention of mother to child HIV transmission (PMTCT) services among women with a recent birth in Zimbabwe. *J Acquir Immune Defic Syndr* 2015; 69(2):e74-81. PMID: 26009838
32. **McCoy SI**, Buzdugan R, Mushavi A, Mahomva A, Cowan FM, Padian NS. Food insecurity is a barrier to prevention of mother-to-child HIV transmission services in Zimbabwe: A cross-sectional study. *BMC Public Health* 2015;15(1):420. PMID: 25909583
33. Buzdugan R, **McCoy SI**, Watadzaushe C, et al. Evaluating the impact of Zimbabwe’s prevention of mother-to-child HIV transmission program: population-level estimates of HIV-free infant survival pre-Option A. *PLOS One*. 2015 Aug 6;10(8):e0134571. PMID: 26248197
34. Buzdugan R, **McCoy SI**, Webb K, et al. Facility-based delivery in the context of Zimbabwe’s HIV epidemic. *BMC Pregnancy Childbirth*. 2015 Dec 17;15(1):338. PMID: 26679495

* Indicates student, postdoc, or other mentee

35. **McCoy SI**, Njau PF, Czaicki N*, et al. Rationale and design of a randomized study of short-term food and cash assistance to improve adherence to antiretroviral therapy among food insecure HIV-infected adults in Tanzania. *BMC Infect Dis*. 2015 Oct 28;15(1):490s. PMID: 26520572
36. **McCoy SI**, Fahey C*, Buzdugan R, Mushavi A, Mahomva A, Cowan FM, Padian NS. Targeting eMTCT efforts using geospatial analysis of mother-to-child HIV transmission in Zimbabwe. *AIDS*. 2016 Jul 17;30:1829-37. PMID: 27124895
37. Buzdugan R, Dufour MK, **McCoy SI**, et al. Option A improved HIV-free infant survival and mother to child HIV transmission at 9-18 months in Zimbabwe. *AIDS* 2016; 9;30:1655-62. PMID: 27058354
38. Buzdugan R, Bautista-Arredondo S, **McCoy SI**. The promise of behavioral economics for HIV/AIDS treatment and care: A systematic review. *Manuscript under review*.
39. **McCoy SI**, Njau PF, Fahey C*, et al. Cash versus food assistance to improve adherence to antiretroviral therapy among HIV-infected adults in Tanzania: a randomized comparative effectiveness trial. *Manuscript under review*.
40. Czaicki N*, Njau PF, **McCoy SI**. *It helps me live, sends my children to school, and feeds me: A qualitative study of pathways through which food and cash incentives may improve retention in care and antiretroviral adherence among adults living with HIV in Tanzania. Manuscript under review.*
41. Czaicki N*, Dow W, Njau PF, **McCoy SI**. Do Incentives Undermine Intrinsic Motivation? Increases in Intrinsic Motivation within an Incentive-Based Intervention for People Living with HIV in Tanzania. *Manuscript under review*.

Book Chapters, Commentaries, Letters to the Editor, Online Articles, and Reports

1. **McCoy S**, M Pettigrew. Molecular epidemiology of *Streptococcus pneumoniae* mediated otitis media. *Frontiers in Bioscience* 2003;8:e87-e93. (Invited Review)
2. **McCoy SI**, Fikree FF, Padian NS. (2009). What will it take to prevent HIV? Constructing an effective prevention program. Disease Control Priorities Project, Population Reference Bureau.
3. **McCoy SI** and Padian NS. (2009) Screening and Prevention of Sexual Transmission of HIV. In: Singh S, Swindells S, Shafer RS, Sun H (Eds.), *HIV Clinical Manual*, www.antimicrobe.org
4. **McCoy SI**, Padian NS. Biomedical Methods for Preventing the Sexual Transmission of HIV. *Focus*; 2010:1-4.
5. **McCoy SI**, Watts C, Padian NS. Preventing HIV infection; turning the tide for young women. *Lancet*; 2010:376:1281-2.
6. Lopez-Pena P, **McCoy S**, Munoz R, Vivo S. How Accurate is Our Misinformation? A Randomized Trial to Assess the Cost-Effectiveness of Administering Alternative Survey Modes to Youth at Risk. Dominican Republic Case Study. Inter-American Development Bank Publication, 2011.
7. Pettifor A, **McCoy SI**, Padian N. Paying to prevent HIV infection in young women? *Lancet* 2012;379:1280-82.
8. Ralph LJ*, **McCoy SI**, Hallett T, Padian N. Next steps for research on hormonal contraception and HIV. *Lancet* 2013; (13)61420-8.

* Indicates student, postdoc, or other mentee

9. Vivo S, Saric D, Munoz R, Lopez-Pena P, **McCoy S**, Bautista-Arredondo B. A Toolkit for the Measurement of Youth Risk Behavior. Eds. Vivo S, Saric D. Inter-American Development Bank Publication, 2013. MG-173
10. Rao A, **McCoy SI**. Fostering Behavior Change for Better Health. Stanford Social Innovations Review. August 17, 2015. Available at: http://ssir.org/articles/entry/fostering_behavior_change_for_better_health

Conference Presentations

1. **McCoy S**, Pettigrew M, Marrs CF, Gilsdorf J, Foxman B. (2002). Variation in *Streptococcus pneumoniae* carriage in children attending day care. Presented at the Infectious Disease Society of America 40th Annual Meeting, Chicago, IL. Abs. #615.
2. **McCoy S**, Zell E, Skoff T, Schuchat A, Martell-Cleary P, Daily P, Petit S. (2004). Trends in early-onset sepsis and antimicrobial resistance. Presented at the International Conference on Emerging Infectious Diseases, Atlanta, GA.
3. Patterson KB, Leone PA, Fiscus SA, Kuruc J, **McCoy S**, Wolf L, Foust E, Williams D, Ashby R, Pilcher CD. (2006) Detection of Acute HIV Infection in Pregnant Women in North Carolina. Presented at the 13th Conference on Retroviruses and Opportunistic Infections, Denver, CO. Abstract 370.
4. Simpson KN, Biddle AC, Leone PA, Wolf L, Williams D, Kuruc J, **McCoy S**, Miller W, Hightow LB, Pilcher CD. (2006). Cost Effectiveness of Screening for Acute HIV-infection: The North Carolina STAT Program. Presented at the 13th Conference on Retroviruses and Opportunistic Infections, Denver, CO. Abstract 374.
5. Pilcher CD, Foust E, Ashby R, Kuruc J, Nguyen T, Hightow L, Harrison N, **McCoy S**, Williams D, Leone PA. Sexual Transmission Risk and Rapid Public Health Intervention in Acute HIV Infection. Presented at the 13th Conference on Retroviruses and Opportunistic Infections, Denver, CO, 2006: Abstract 371.
6. Miller W, Nguyen T, Williams D, Fiscus S, Leone P, Wolf L, Cachafeiro A, **McCoy S**, Kuruc J, Foust E, Pilcher CD. Adding HIV RNA screening to antibody testing for HIV VCT: a role for targeted testing? Presented at the XVI International AIDS Conference, 2006, Abstract CDB0116.
7. Kuruc JD, Hightow LB, **McCoy SI**, Pittard DV, McGee KS, Ashby RM, Hicks CB, Leone PA, Eron JJ, Pilcher CD. Acute HIV - rapid intervention and entry into health care - a unique approach. Presented at the American Public Health Association 134th annual meeting, Boston, MA, 2006, Abstract 141071.
8. Torrone E, Thomas J, Leone P, **McCoy S**, Hightow L. Late Diagnosis of HIV in Young Men in North Carolina, *American Journal of Epidemiology*, 163(11):S556-S, 2006.
9. Frost S, **McCoy S**, Hicks C, Williams D, Eron J, Kosakovsky Pond S, Sebastian J, Leone P, Fiscus S, Pilcher CD. Tracking Molecular Epidemiology in North Carolina, US: The Screening and Tracing Active Transmission Model. Presented at the 14th Conference on Retroviruses and Opportunistic Infections, Los Angeles, CA, 2007, Abstract #240.
10. C Hurt, **McCoy SI**, Kerkau M, Nelson J, Sebastian J, Kuruc J, McGee K, Lennox J, Pilcher CD, Hicks C, Eron J. Frequency of transmitted drug resistance among acute and recently HIV-infected patients in North Carolina is similar to reports from more urbanized areas. **Presented at the 16th International Drug Resistance Workshop, Barbados, 2007.** *Antivir Ther.* 2007; 12:S55, Abstract #48.
11. **McCoy SI**, Kuruc J, Ashby R, Williams D, Pilcher CD, Leone PA. Acute HIV, STD Co-infection, and Acute Retroviral Symptoms: Insight into testing behavior and implications for public health. Oral presentation, 17th International Society for STD Research, Seattle, WA, 2007.

12. **McCoy SI**, Kuruc J, Gay C, Leone PA. Five years of the Screening and Tracing Active Transmission (STAT) Program in North Carolina: Lessons Learned and Future Directions. Poster Presentation, North Carolina Public Health Association Annual Educational Conference, Durham, NC, 2007.
13. McGee KS, Kim SJ, Johnson A, Kuruc J, **McCoy SI**, McNeil L, Gay C, Margolis D, Eron J, Hicks C. Diagnosing Acute HIV Infection in North Carolina – Challenges and Opportunities. 15th Conference on Retroviruses and Opportunistic Infections, Boston, MA, 2008.
14. **McCoy SI**, Kuruc JD, Gay C, Hurt C, Anderson J, Pilcher CD, Barnhart J, Eron J, Leone PA, and the North Carolina STAT Team. Partner Counseling and Referral Outcomes after Acute HIV Identification in North Carolina. 15th Conference on Retroviruses and Opportunistic Infections, Boston, MA, 2008.
15. **McCoy SI**, Kangwede A, Padian NS. (2009). Behavior Change Interventions to Prevent HIV among Girls and Women Living in Low and Middle Income Countries. Abstract presented at the Perspectives on Impact Evaluation Conference, Cairo, Egypt.
16. **McCoy SI**, Eron JJ, Miller WC, Strauss RP. (2009). Suicidal Ideation and Attempted Suicide After HIV Diagnosis: Implications for Referral and Initiation of Care. 18th International Society for STD Research Meeting, London, UK. #P2.117.
17. Kuruc J, Mayo A, Sampson L, Barnhart J, Brinson M, **McCoy SI**, Foust E, Ashby R, Pilcher C, Gay C, Leone P, Eron J. (2009) Evaluation of Six Years of Statewide Screening and Testing for Acute HIV Infection in North Carolina. XVIII International AIDS Conference, Cape Town, South Africa. #MOPEB006.
18. **McCoy SI**, Jones B, Leone PA, Napravnik S, Quinlivan EB, Eron JJ, Miller WC. (2009). Variability in Retrospective Assessments of HIV Diagnosis Date: Patient Report, Medical Record, and Surveillance Data. National HIV Prevention Conference, Atlanta, Georgia. Abstract #832.
19. **McCoy SI**, Lewis BM, Jewel N, Bertozzi S, Padian NS. (2009). Operations Research and Epidemiology to Select and Evaluate HIV Prevention Programs at Scale. National HIV Prevention Conference, Atlanta, Georgia. Abstract #924.
20. **McCoy SI**, Shiu K, Smith CD, Mattox L, Smith PD, Gluth D, Martin M, Padian NS. (2012). Enhancing HIV Testing and Linkage to Care with Peer Recruitment, Financial Incentives, and Persons Living with HIV Infection: The Oakland Connect Study. Overcoming Health Disparities in the Bay Area using HIV/AIDS as a Model, San Francisco. Abstract #4.
21. **McCoy SI**, Zheng W, Montgomery E, Blanchard K, van der Straten A, de Bruyn G, Padian NS. (2012). Oral and Injectable Contraception Use and Risk of HIV Acquisition among Women: The Methods for Improving Reproductive Health in Africa (MIRA) Study. 19th Conference on Retroviruses and Opportunistic Infections, Seattle. Abstract #20LB.
22. Martz TE, **McCoy SI**, Shah H, Smith CD, Mattox L, Smith PD, Gluth D, Martin M, Padian NS (2012). Which “seeds” tend to “sprout”? Evidence from a peer recruitment study In Oakland, California. International AIDS Society Conference, Washington, D.C. Abstract TUPE168.
23. Udoh I, Grijalva C, Yusuf A, Dillard-Smith C, Hippolyte K, Chopel A, **McCoy S**, Dunbar M (2012). When risk is not in the vocabulary: how do we explain what it means to be 'late diagnosed' in urban communities of color? International AIDS Society Conference, Washington, D.C. Abstract MOPE411.
24. **McCoy SI**, Buzdugan R, Ralph LJ, Mushavi A, Mahomva A, Watadzaushe C, Dirawo J, Cowan F, Padian NS (2013). Unmet Need for Family Planning, Contraceptive Failure, and Unintended Pregnancy Among

- Women Living with HIV Infection in Zimbabwe. 20th Conference on Retroviruses and Opportunistic Infections, Atlanta. Abstract #T-122.
25. **McCoy SI**, Buzdugan R, Martz T, Mushavi A, Mahomva A, Padian NS, Cowan FM (2013). Uptake of PMTCT services among women with a recent birth in Zimbabwe. 7th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Kuala Lumpur, Malaysia. Abstract #TUPE425.
 26. **McCoy SI**, Ricculli ML, Buzdugan R, Mushavi A, Mahomva A, Watadzaushe C, Dirawo J, Cowan FM, Padian NS (2013). Food insecurity is a barrier to service uptake in the prevention of mother to child HIV transmission (PMTCT) cascade in Zimbabwe. 7th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Kuala Lumpur, Malaysia. Abstract #MOAD0204.
 27. Shiu K, Hinojosa L, Wong S, **McCoy SI** (2013). Expanding HIV Testing through Social Networks in Alameda County: The East Bay Connect Project. Pacific/Northwest AIDS Education and Training Center Asilomar Faculty Development Conference, Asilomar, California.
 28. Shiu K, Acland D, **McCoy SI** (2014). Identifying Persons Living with HIV Infection through Social Network HIV Testing – a Cost Effectiveness Analysis. National STD Prevention Conference, Atlanta, #34770.
 29. **McCoy SI**, Njau PF, Czaicki N, Simba JO, Dow W, Kadiyala S, Kapologwe N, Padian NS (2015). Implementation of a randomized study of short-term food and cash assistance to improve adherence to antiretroviral therapy among food insecure HIV-infected adults in Tanzania. Adherence 2015, Miami, #90.
 30. **McCoy SI**, Buzdugan R, Martz T, Mushavi A, Mahomva A, Padian NS, Cowan FM (2015). Dramatic improvements in uptake of prevention of mother-to-child HIV transmission services in Zimbabwe, 2012-2014. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, Canada, A-729-0261-01016.
 31. **McCoy SI**, Fahey C, Buzdugan R, Martz T, Mushavi A, Mahomva A, Padian NS, Cowan FM (2015). Targeting eMTCT efforts using geospatial analysis of mother-to-child HIV transmission in Zimbabwe. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, Canada, A-729-0346-01133.
 32. Czaicki N, Njau PF, Bautista-Arredondo S, Simba O, Padian NS, **McCoy SI** (2015). Applying principles of behavioral economics to ART adherence: discount rate, future expectations, and intrinsic motivation for adherence among ART initiates in Shinyanga Region, Tanzania. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, Canada, TUAC0104.
 33. Buzdugan R, **McCoy SI**, Watadzaushe C, Kang Dufour MS, et al (2015). Zimbabwe approaching virtual elimination of mother-to-child transmission of HIV following implementation of option A. 8th IAS Conference on HIV Pathogenesis, Treatment and Prevention, Vancouver, Canada, MOAC0203.
 34. **McCoy SI**, Njau PF, Fahey C, Czaicki N, Kapologwe N, Kadiyala S, Dow W, Jewell N, Padian NS (2016). A randomized study of short-term conditional cash and food assistance to improve adherence to antiretroviral therapy among food insecure adults with HIV infection in Tanzania. 21st International AIDS Society Meeting (AIDS 2016). Durban, South Africa, THAD02.
 35. Rao A, Njau PF, Mnyippembe A, Hassan K, Czaicki N, Kapologwe N, Bautista-Arredondo S, **McCoy SI**. Application of tools from marketing research, design thinking, and behavioral priming to understand variation in patient experiences and opportunities for improving adherence among adults living with HIV in Tanzania. 21st International AIDS Society Meeting (AIDS 2016). Durban, South Africa, THPEE530.

Invited Seminars and Presentations

- 2016 “Mitigating the effect of food insecurity on adherence to HIV treatment in Tanzania: Are conditional cash and food transfers effective strategies?” Invited Seminar, UC Berkeley Center for Global Health
- “Infectious Disease Epidemiology,” Guest lecture, Introduction to Epidemiology and Human Disease (PH150A), UC Berkeley
- “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Applied Impact Evaluation (MBA 296-6), UC Berkeley
- 2015 “*Cash Transfers for Strengthening the HIV Treatment and Care Continuum*,” Invited Seminar at Workshop titled “Cash or Contribution”, UC Berkeley.
- “*Improving ART Adherence With Tools From Behavioral Economics and Psychology*,” Invited Seminar, RTI International, San Francisco.
- “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Applied Impact Evaluation (PH290), UC Berkeley
- “*Maternal and Child Health in Generalized HIV Epidemics*,” Guest lecture, Reproductive and Perinatal Epidemiology (PH 210D), UC Berkeley
- “*Food security and HIV/AIDS: Interactive Group Activity*,” Guest Facilitator, Capstone Seminar for Biostatistics MPH Students (PH 292(1)), UC Berkeley
- 2014 “*Food Insecurity and Adherence to Antiretroviral Therapy*,” Guest Lecture, First Year Seminar for Epidemiology/Biostatistics students (PH 292), UC Berkeley
- “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Applied Impact Evaluation (UGBA 196-6 & MBA 296-6), UC Berkeley
- “*Food security and HIV/AIDS: Interactive Group Activity*,” Guest Facilitator, Capstone Seminar for Biostatistics MPH Students (PH 292(1)), UC Berkeley
- 2013 “*Hormonal Contraception and Women’s Risk of HIV Infection: Consensus, Controversies, and the Way Forward.*” University of California, San Francisco, April 26, 2013.
- “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Applied Impact Evaluation (UGBA 196-7), UC Berkeley
- 2012 “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Impact Evaluation for Health Professionals (PH 290), UC Berkeley
- 2011 “*Evaluation of HIV/AIDS Prevention and Treatment Programs*,” Guest lecture, Impact Evaluation for Health Professionals (PH 290), UC Berkeley
- “*Supporting the Health of Women Farmers through Economic and Food Security*,” Evidence to Action: The Returns to Investment in Girls, Center of Evaluation for Global Action, UC Berkeley

- “Evaluation of HIV/AIDS Prevention and Treatment Programs,”* Guest lecture, Applied Impact Evaluation (UGBA 196-7), UC Berkeley
- “Successful Grant Writing,”* Guest lecturer, University of Zimbabwe Medical School, Harare, Zimbabwe
- 2010 *“Weighing the Gold in Gold Standard: Challenges in HIV Prevention Research,”* Symposium presentation, Society for Epidemiologic Research Annual Meeting, Seattle, Washington
- 2010 *“Impact Evaluation Designs for Male Circumcision Programs,”* Invited presentation, Male Circumcision Impact Evaluation Workshop, Johannesburg, South Africa
- “Novel Evaluation Methods for HIV Prevention Interventions,”* Guest lecture, Structural Inequities and Reproductive Health (PH255C), UC Berkeley
- 2009 *“Oakland and HIV/AIDS: Epidemiology of the Local Epidemic,”* Invited presentation, Community Leadership Advisory Board

Professional Service Activities

Panels and Workshops

- 2016 Panel, Center on the Developing Adolescent Gamification Panel, Berkeley, CA
- Panel, “Level 1-3 of Gamification,” youth+health+tech live, San Francisco, CA
- 2015 Panel Moderator, “Making Cents, Making Change,” Berkeley, CA
- Organizing Committee & Presenter, “Overcoming Health Disparities in the Bay Area: focus on HIV and HCV, “ San Francisco, CA
- 2014 Faculty, “PEPFAR Impact Evaluation Workshop,” Dar es Salaam, Tanzania
- 2013 Faculty, “PEPFAR Impact Evaluation Workshop,” Harare, Zimbabwe
- 2011 Faculty, “Enhancing Implementation Science: Program Planning, Scale-up, and Evaluation”, International AIDS Society Annual Meeting, Rome, Italy
- Faculty, “Capacity Building Workshop on Evaluation of HIV Programmes”, South Africa
- 2010 Lecturer, Male Circumcision Impact Evaluation Workshop, Johannesburg, South Africa
- Facilitator, Evaluation of Combination HIV Prevention Workshop, Washington, D.C.
- 2009 Support, UNAIDS Think Tank on HIV Prevention Evaluation, Sussex, UK
- 2006 Facilitator, International Rapid Response for Avian and Pandemic Influenza: Train the Trainers Workshop, Bangkok, Thailand

Peer Review

The Lancet
 JAMA
 American Journal of Public Health
 AIDS
 Journal of Acquired Immune Deficiency Syndromes
 BMC Public Health
 PLoS One
 American Journal of Epidemiology
 AIDS Patient Care and STDs

Local and International Conference Participation

2016 Program Committee, youth+health+tech live 2017
 2015 Abstract Review, 8th International AIDS Society Conference, Vancouver, Canada
 2014-2015: Planning Committee, Overcoming Health Disparities in the Bay Area 2015 Conference
 2013: Abstract Review, 7th International AIDS Society Conference, Kuala Lumpur, Malaysia
 2012: Abstract Review, International AIDS 2012 Conference, Washington, D.C.

Committee Memberships

2016-2016 Vice-Chair, Teaching and Research Staff Advisory Council (TRAC)
 UC Berkeley School of Public Health

2015-2016 Vice-Chair, Teaching and Research Staff Advisory Council (TRAC)
 UC Berkeley School of Public Health

2014 Organizing Committee, Teaching and Research Staff Advisory Council (TRAC)
 UC Berkeley School of Public Health

2007-2008 Member, Peer Resource Committee, Department of Epidemiology
 University of North Carolina, Chapel Hill, NC