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Education

Undergraduate and Graduate Education

- 1985 – 1989 **Doctor of Medicine**, University of North Carolina School of Medicine, Chapel Hill, NC
- 1982 - 1984 Post-baccalaureate pre-medical coursework, University of Pittsburgh, Pittsburgh, PA
- 1977 – 1980 **Bachelor of Arts**, Sociology/Anthropology, Oberlin College, Oberlin, OH

Residencies and Post-Graduate Training Fellowships

- 1998 - 1999 **NRSA Fellow**, Cecil G. Sheps Center for Health Services Research
University of North Carolina at Chapel Hill, Chapel Hill, NC
- 1995 - 1997 **Primary Care Fellow**, Division of General Internal Medicine, Department of Medicine
University of California at Los Angeles, Los Angeles, CA
- 1993 – 1995 **Robert Wood Johnson Clinical Scholar**, Schools of Medicine and Public Health
University of California at Los Angeles, Los Angeles, CA
- 1989 - 1992 **Residency Training**, Department of Internal Medicine
University of North Carolina School of Medicine, Chapel Hill, NC

Medical Certifications

- 1993 American Board of Internal Medicine
- 1993-1998 Medical License, State of California
- 1990 Federal License Examination Board
- 1989-1993 Medical License, State of North Carolina

Professional Experience

- 2009 – Present **Associate Professor**, Department of Medicine
University of North Carolina, Chapel Hill, NC
- 2009 – Present **Associate Professor**, Department of Health Behavior
University of North Carolina, Chapel Hill, NC.
- 2005 – Present **Director**, Social and Behavioral Sciences Research Core
University of North Carolina Center for AIDS Research, Chapel Hill, NC

- 2001 - 2008 **Research Assistant Professor**, Departments of Medicine and Health Behavior and Health Education
University of North Carolina, Chapel Hill, NC
- 1998 - 2001 **Research Assistant Professor** (Temporary Appointment), Department of Medicine University of North Carolina, Chapel Hill, NC
- 1997 - 1998 **Visiting Assistant Researcher**, Division of General Internal Medicine
Department of Medicine
University of California, Los Angeles, CA
- 1996 - 1998 **Assistant Director**, Adherence Core Facility, UCLA Center for AIDS Research
University of California, Los Angeles, CA
- 1995 - 1998 **Clinical Instructor**, Division of General Internal Medicine, Department of Medicine University of California, Los Angeles, CA
- 1993 - 1995 **Clinic Physician**, Venice Family Clinic
Venice, CA
- 1992 - 1993 **Clinical Associate**, Division of Occupational Medicine
Department of Community Medicine
Duke University Medical Center, Durham, NC
- 1984 - 1985 **Research Technician III**, Division of Genetics
University of Rochester School of Medicine, Rochester, NY
- 1983 - 1984 **Research Assistant**, Immunology Division, Department of Pathology
University of Pittsburgh, Pittsburgh, PA
- 1981 - 1982 **Organizing Staff Coordinator**, Massachusetts Public Interest Research Group,
Boston, MA
- 1977 - 1980 **Sociotherapist**, Convalescent Hospital for Emotionally Disturbed Children
Rochester, New York

Honors

- 2014 **Delta Omega Theta Chapter**
University of North Carolina Gillings School of Global Public Health
- 2012 **Telly Award**
imPACT Program Videos, educational/motivational category (Golin, Executive Producer)
- 2011 **HPTN Recruitment and Retention Award**
The Women’s HIV SeroIncidence (ISIS) Study, federally funded and conducted to estimate the overall new HIV infection rate in women at risk for HIV in the United States (Golin, Site PI - Raleigh/Durham)
- 2010 **Pam Herriott Award**
UNC AIDS Clinical Trials Unit individuals who have made a unique contribution to the effort to control and eradicate HIV.

- 2009 & 2006 Nominee, Carolina Women's Leadership Council Faculty Mentoring Award
- 2001 **Lawrence S. Linn Award**
Society of General Internal Medicine, most likely to improve the health care of persons living with HIV/AIDS.
- 2001 **APHA Honorable Mention**, New Investigators' Abstract Submission HIV/AIDS Section
- 2001 **APHA Excellence**, Abstract Submission among New Presenters HIV/AIDS Section
- 1994 **Certificate of Distinction**, Venice Family Clinic
- 1993 **Robert Wood Johnson Clinical Scholars Fellowship**
- 1988 **Merit Award for Academic Achievement**
- 1987 **Lupus Foundation Student Research Award**
- 1987 **Medical Student Research Award**, National Institutes of Health
- 1980 **Phi Beta Kappa**

Bibliography and Products of Scholarship

Books and Chapters

1. **Golin CE**, Amola O, Dardick A, Montgomery A, Bishop L, Parker S, Owens L. "Oh God I hate to talk about this ..." Poverty, Personal Experiences of Violence, and Mental Health: Understanding their Complex Intersections among Low-Income Women. In: Women and Poverty in the United States. O'Leary A and Frew P, editors. New York, Springer. 2017, pp 63-91.
2. **Golin CE**, Scheyett A, Kaplan AH. Psychosocial aspects of HIV infection. In Holmes KK, Sparling PF, Stamm WE, Piot P, Wasserheit JW, Corey L, Cohen M, Watts DH, editors. Sexually transmitted diseases, 4th ed. New York: McGraw-Hill Book Co; 2008. p.1349-1362.
3. **Golin CE**, Thorpe C, DiMatteo MR. Accessing the patient's world: patient-physician communication about psychosocial issues. In Earp JE, French E, Gilkey M, editors. Patient advocacy for health care quality: strategies for achieving patient-centered care. Jones & Bartlett, Inc. Pub; 2007. p. 185-213.
4. Alexander S, Sleath B, **Golin CE**, Kalinowki C. Provider-patient communication and adherence. In Bosworth H, Oddone E, Weinberger M, Lawrence Erlbaum Associates Inc, editors. Patient treatment adherence: concepts, interventions, and measurement. London: Routledge, Taylor & Francis Group Pub; 2006. p. 329-372.

In Press

1. Snoek F, Brodar K, Cuddeback G, Fisher EB, **Golin CE**, Sokol R. Psychology, mental health: health and quality of life. In Fisher E, Cameron L, Christensen A, Ehlert UG, Oldenburg B, Snoek F, editors. Principles and concepts of behavioral medicine: a global handbook. New York: Springer; 2017. 70 pages

NOTE: Refereed Papers/Articles

‡ Indicates where Dr. Golin placement indicates senior authorship and/or listing as corresponding author

* Indicates HB student is first author

** Indicates non-HB student or trainee is first author

Original research

1. Chandler R, Gordon MS, Kruszka B, Strand LN, Altice FL, Beckwith CG, Biggs ML, Cunningham W, Chris Delaney JA, Flynn PM, **Golin CE**, Knight K, Kral AH, Kuo I, Lorvick J, Nance RM, Ouellet LJ, Rich JD, Sacks S, Seal D, Spaulding A, Springer SA, Taxman F, Wohl D, Young JD, Young R, Crane HM. Cohort profile: seek, test, treat and retain United States criminal justice cohort. *Subst Abuse Treat Prev Policy*. 2017 May 16;12(1):24. PMID: 28511680
2. Rosenberg NE, Graybill LA, Wesevich A, McGrath N, tMaman S, Bhushan N, Tsidya M, Chimndozi L, Hoffman IF, Hosseinipour MC, Miller WC. The Impact of Couple HIV Testing and Counseling on Consistent Condom Use among Pregnant Women and their Male Partners: An Observational Study. *J Acquir Immune Defic Syndr*. 2017 Apr 18. [Epub ahead of print] PMID: 28426440
3. **Golin CE**, Barkley BG, Biddell C, Wohl DA, Rosen DL. Great expectations: HIV risk behaviors and misperceptions of low HIV risk among incarcerated men. *AIDS and Behavior*. 2017 March 30, [Epub ahead of print] PMID: 28361452.
4. ‡**Evon DM, **Golin CE**, Ruffin R, Fried MW. Development and pilot-testing of a cognitive behavioral coping skills group intervention for patients with chronic hepatitis C. *Contemporary Clin Trials Comm*. 2017 Mar 22;57:58-68. PMID: 28342989
5. Scheidell JD, LejuezCW, **Golin CE**, Admora AA, Wohl D, Keen LD II, Hamond M, Judon-Monk S, Khan MR. Patterns of mood and personality factors and associans with STI/HIV-related drug and sex risk among African American male inmates. *Substance Use and Misuse*. 2017 Jun 7;52(7):929-938. Epub 2017 Feb 22. PMID: 28426364
6. **Rosenberg N, Graybill LA, Wesevich A, McGrath N, **Golin C**, Maman S, Tsidya M, Chimndozi L, Hoffman if, Hosseinipour M, Miller WC. The Impact of Couple HIV Testing and Counseling on Consistent Condom Use among Pregnant Women and their Male Partners: An Observational Study. *J Acquir Immune Defic Syndr*. 2017 Apr 18. [Epub ahead of print] PMID:28426440
7. ‡**Evon DM, **Golin CE**, Stewart P, Fried MW, Alston S, Reeve B, Lok A, Sterline RK, Lim JK, Reau N, Sarkar S, Nelson DR Reddy KR, DiBisceglie AM, Patient Engagement and Study Design of PROP UP: A multi-site patient-centered prospective observational study of patients undergoing hepatitis C treatment, *Contemporary Clinical Trials* March 22 2017, [Epub ahead of print] PMID: 28342989
8. Khan MR, El-Bassel N, Scheidell JD, **Golin CE**, Adimora AA, Coatsworth A, Hu H, Judon-Monk S, Medina K, Wohl D. The committed partnerships of incarcerated African Americans: implications for STI/HIV Transmission risk and prevention opportunities. *Arch Sex Behav*. 2017 Mar 22. [Epub ahead of print] PMID: 28332036.
9. Wohl DA, **Golin CE**, Knight K, Gould M, Carda-Auten J, Groves J, Napravnik S, Cole SR, White B, Fogel C, Rosen DL, Mugavaro M, Pence BW, Flynn P. A randomized controlled trial of an

intervention to maintain suppression of hiv viremia following prison release: the imPACT trial. *J Acquir Immune Defic Syndr*. 2017 Mar 8. [Epub ahead of print] PMID: 28277487.

10. Rosen DL, Grodensky C, Miller A, **Golin CE**, Domino M, Powell W, Wohl D. Implementing a prison Medicaid program for inmates with a community hospitalization. *J Urban Health*. 2017 Feb 13. [Epub ahead of print] PMID: 2819468614 pages.
11. Coatsworth A, Scheidell J, Wohl D, Whitehead N, **Golin CE**, Judon-Monk S, Khan M. Perceived social support and HIV-related sex risk prior to incarceration: the significance of significant other support.. *J Urban Health*. 2017 Feb;94(1):136-148. PMID: 28116586
12. Jonas D, Miller T, Ratner S, McGuirt B, **Golin CE**, Grodensky C, Sturkie EM, Kinley J, Dale M, Pignone M. Implementation and quality improvement of a screening and counseling program for unhealthy alcohol use in an academic general internal medicine practice. *Journal for Healthcare Quality*. 2017 Jan/Feb; 39(1):15-27. PMID: 28045764
13. Nance RM, Delaney C, **Golin CE**, Wechsberg W, Cunningham C, Altice F, Christopoulos K, Knight K, Quan V, Gordon MS, Springer S, Young J, Crane PK, Mayer KH, Mugavero MJ, Del Rio C, Kronmal RA, Crane H,. Co-calibration of two self-reported measures of adherence to antiretroviral therapy [published online December 2, 2016]. *AIDS Care*. 2016.
14. ‡**Evon DM, **Golin CE**, Stoica T, Jones R, Willis S, Galanko J, Fried MW. What's important to the patient? Informational needs of patients making decisions about hepatitis C treatment [published online November 23, 2016]. *The Patient – Patient Centered Outcomes Research*. 2016. PMID 27882509
15. ‡**Widman L., **Golin, CE**, Noar SM, Massey J, Prinstein MP. ProjectHeartforGirls.com: development of a web-based HIV/STD prevention program for adolescent girls emphasizing sexual communication skills. *AIDS Educ Prev*. 2016 Oct;28(5):365-377. PMID 27710087
16. **Golin CE**, Knight K, Carda-Auten J, Gould M, Groves J, White LB, Bradley-Bull S, Amola K, Fray N, Rosen DL, Mugavero MJ, Pence BW, Wohl D. Individuals motivated to participate in adherence, care and treatment (imPACT): development of a multi-component intervention to help HIV-infected recently incarcerated individuals link and adhere to HIV care. *BMC Public Health*. 2016 Sept;16(1):935. PMC5011897
17. Wheeler SB, Roberts MC, Bloom D, Reeder-Hayes KE, Espada M, Peppercorn J, **Golin CE**, Earp JA. Oncology providers perspectives on endocrine therapy prescribing and management. *Patient Prefer Adherence*. 2016 Sept;30.10:2007-2019. PMC5053382
18. ‡Grodensky CA, **Golin CE**, Parikh MA, Ochtera R, Kincaid C, Groves J, Widman L, Suchindran C, McGirt C, Amola K, Bradley-Bull S. Does quality of SafeTalk motivational interviewing counseling predict risky sex outcomes [published online August 13, 2016]? *Patient Educ Couns*. 2016. PMID 27567497
19. Frew PM, Parker K, Vo-Green L, Haley D, O'Leary A, Dixon Diallo D, **Golin CE**, Kuo I, Soto-Torres L, Wang J, Adimora A, Banan M, del Rio C, Hodder S. Socioecological factors influencing women's hiv risk in the united states: qualitative findings from the women's HIV seroincidence study. *BMC Public Health*. 2016 Aug;16(1):803. PMC4988035
20. ‡ Allicock M, **Golin CE**, Kaye L, Grodensky C, Blackman LT, Thibodeaux H. SafeTalk: training peers to deliver a motivational interviewing HIV prevention program [published online August 12, 2016]. *Health Promotion Prac*. 2016. PMID 27519260

21. ‡**Roman- Isler M, **Golin CE**, Hughes J, Wang J, Haley DF, Justman J, Hodder. Venues for meeting sex partners and partner HIV risk characteristics: HIV prevention trials network (HPTN064) women's HIV seroincidence study (ISIS). *AIDS Behav.* 2016 June;20(6):1208-18. PMC5068222
22. ‡Kahwati L, Jacobs S, Kane H, Lewis M, Viswanathan M, **Golin CE**. Using qualitative comparative analysis in a systematic review of a complex intervention. *Syst Rev.* 2016 May 4;5(82). PMC4875617
23. Kahwati L, Viswanathan M, **Golin CE**, Kane H, Lewis M, Jacobs S. Identifying configurations of behavior change techniques in effective medication adherence Interventions: a qualitative comparative analysis. *Syst Rev.* 2016 May 4;5(1):83. PMC4875709
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26. Grodensky CA, Rosen DL, Hino S, **Golin CE**, Wohl DA. Opt-Out HIV testing of inmates in North Carolina prisons: factors associated with not wanting a test and not knowing they were tested. *AIDS Behav.* 2016 April;20(4):859-89. PMID 26386591
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28. **Rosen DL, Wohl DA, **Golin CE**, Rigdon J, May J, White BL, Leone PA, Hudgens MG, Bowling JM. Comparing HIV case detection in prison during opt-in vs. opt-out testing policies: a seroprevalence study. *J Acquir Immune Defic Syndr.* 2016 Mar;71(3):e85-8. PMC4752376
29. ‡**Rutstein SE, **Golin CE**, Wheeler SB, Kamwendo D, Hosseinipour MC, Weinberger M, Miller WC, Biddle AK, Soko A, Mkwandawire M, Mwenda R, Sarr A, Gupta S, Mataya R. On the front line of HIV virological monitoring: barriers and facilitators from a provider perspective in resource-limited settings. *AIDS Care.* 2016 Jan 28;(1):1-10. PMC4834050
30. Sheridan SL, Sutkowi-Hemstreet A, Barclay C, Brewer NT, Dolor RJ, Gizlice Z, Gourlay M, Lewis CL, Reuland DS, **Golin CE**, Kistler CE, Vu M, Harris R. A comparative effectiveness trial of alternate formats for presenting benefits and harms information for low-value screening services: a randomized clinical trial. *JAMA Intern Med.* 2016 Jan 1;176(1):31-41. PMID:26720730
31. **Long DL, Preisser JS, Herring AH, **Golin CE**. A marginalized zero-inflated poisson regression model with random effects. *J Royal Stat Soc, Series C (Applied Statistics).* 2015 Nov;64:815-830. PMC4664481
32. **Montgomery BEE, Rompalo AM, Hughes J, Wang J, Haley D, Soto-Torres L, Chege W, Justman JE, Kuo I, **Golin CE**, Frew P, Mannheimer S, and Hodder SL. Violence against women in selected areas of the United States. *Am J Public Health.* 2015 Oct;105(10):2156-66. PMC4566563
33. ‡*Sidibe T, **Golin CE**, Turner K, Flynn P, Grodensky C, Fogel C, Gould M, Knight K, Wohl D. Provider perspectives regarding the healthcare needs of a key population: HIV-infected prisoners

after incarceration. *J Assoc Nurses AIDS Care*. 2015 September-October;26(5):556-569. PMC4542020

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35. **Blackstock OJ, Frew P, Bota D, Vo-Green L, Parker K, Frank J, Hodder SL, Justman J, **Golin CE**, Haley DF, Kuo I, Adimora AA, Rompalo A, Soto-Torres L, Hughes J, Wang J, Mannheimer SB. Perceptions of individual and community HIV/STI risk among a cohort of U.S. women living in areas with high poverty rates and HIV prevalence. *J Health Care Poor Underserved*. 2015 Aug;26(3):811-23. PMC4607276
36. ‡**Khan MR, **Golin CE**, Friedman S, Scheidell JD, Adimora AA, Monk S, Hobbs MM, Dockery G, Brown S, Oza K, Myers D, Hu H, Wohl DA. STI/HIV sexual risk behavior and prevalent STI among incarcerated African American men in committed partnerships: the significance of poverty, mood disorders, and substance use. *AIDS and behavior* 2015; 19(8): 1478-90. PMC4526321
37. Justman J, Befus M, Hughes J, Wang J, **Golin CE**, Adimora AA, Kuo I, Haley DF, Del Rio C, El-Sadr WM, Rompalo A, Mannheimer S, Soto-Torres L, Hodder S. Sexual behaviors of US women at risk of HIV acquisition: a longitudinal analysis of findings from HPTN 064. *AIDS Behav*. 2015 Jul;19(7):1327-37. PMC4506244
38. Hughes JP, Haley DF, Frew PM, **Golin CE**, Adimora AA, Kuo I, Justman J, Soto-Torres L, Wang J, Hodder S. Regression to the mean and changes in risk behavior following study enrollment in a cohort of US women at risk for HIV. *Ann Epidemiol*. 2015 Jun;25(6):439-44. PMC4433583
39. Oramasionwu CU, Johnson TL, Zule WA, Carda-Auten J, **Golin CE**. Using pharmacies in a structural intervention to distribute low dead space syringes to reduce HIV and HCV transmission in people who inject drugs. *Am J Public Health*. 2015 Jun;105(6):1066-71. PMC4431115
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41. Pettifor A, Corneli A, Kamanga G, McKenna K, Rosenberg NE, Yu X, Ou SS, Massa C, Wiyo P, Lynn D, Tharaldson J, **Golin CE**, Hoffman I. HPTN 062: a pilot randomized controlled trial exploring the effect of a motivational-interviewing intervention on sexual behavior among individuals with acute HIV infection in Lilongwe, Malawi. *PLOS ONE*. 2015 May 11;10(5):e0124452. PMC4427322
42. **Petersen ML, LeDell E, Schwab J, Sarovar V, Gross R, Reynolds N, Haberer JE, Goggin K, **Golin CE**, Arnsten J, Rosen MI, Remien RH, Etoori D, Wilson IB, Simoni JM, Erlen JA, van der Laan MJ, Liu H, Bangsberg DR. Super learner analysis of electronic adherence data improves viral prediction and may provide strategies for selective HIV RNA monitoring. *J Acquir Immune Defic Syndr*. 2015 May 1;69(1):109-18. PMC4421909
43. **Murphy CC, Lewis CL, **Golin CE**, Sandler RS. Underuse of surveillance colonoscopy in patients at high risk of colorectal cancer. *Am J Gastroenterol*. 2015 May;110(5):633-41. PMC4422764
44. ‡**Dalton AF, **Golin CE**, Esserman D, Pignone MP, Pathman DE, Lewis CL. Relationship between physicians' uncertainty about clinical assessments and patient-centered recommendations for colorectal cancer screening in the elderly. *Med Dec Making*. 2015 May;35(4):458-66. PMC4424122

45. ‡**White BL, Walsh J, Rayasam S, Pathman DE, Adimora AA, **Golin CE**. What makes me screen for HIV? Perceived barriers and facilitators to conducting recommended routine HIV testing among primary care physicians in the southeastern United States. *J Int Assoc Provid AIDS Care*. 2015 March-April;14(2):127-135. PMC4484570
46. ‡**Rosen D, **Golin CE**, Grodensky CA, May J, Bowling JM, DeVellis RF, White BL, Wohl D. Opt-out testing in prison: informed and voluntary? *AIDS Care*. 2015;27(5):545-54. PMC4336588
47. Erlen JA, Tamres L, Reynolds N, **Golin CE**, Rosen M, Remien RH, Banderas J, Schneiderman N, Wagner GJ, Bangsberg DR, Liu HH, for the MACH 14 Investigators. Assessing usual care in clinical trials. *West J Nurs Res*. 2015 Feb;37(3):288-298. PMC4493893
48. ‡Grodensky CA, **Golin CE**, Jones C, Mamo M, Dennis AC, Abernethy MG, Patterson KB. "I should know better": the roles of relationships, spirituality, stigma and shame for older women living with HIV seeking support in the south. *J Assoc Nurses AIDS Care*. 2015 Jan-Feb;26(1):12-23. PMC4161652
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50. ‡**White BL, **Golin CE**, Grodensky CA, Kiziah N, Richardson A, Hudgens M, Wohl DA, Kaplan AH. Effect of directly observed antiretroviral therapy compared to self-administered antiretroviral therapy on adherence and virological outcomes among HIV-infected prisoners; a randomized controlled pilot study. *AIDS Behav*. 2015 Jan;19(1):128-36. PMC4303492
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52. ‡*Haley D, **Golin CE**, Farel CE, Wohl DA, Scheyett A, Garrett D, Garrett J, Rosen D, Parker S. Multilevel challenges to engagement in HIV care after prison release: a theory-informed qualitative study comparing prisoners' perspectives before and after community reentry. *BMC Public Health*. 2014 Dec 9;14:1253. PMC4295310
53. Simoni J, Huh D, Wang Y, Wilson I, Reynolds N, Remien R, Goggin K, Gross R, Rosen M, Schneiderman N, Arnsten J, **Golin CE**, Erlen J, Bangsberg D, and Liu H. The validity of self-reported medication adherence as an outcome in clinical trials of adherence-promotion interventions: findings from the MACH14 study. *AIDS Behav*. 2014 Dec;18(12):2285-90. PMC4495040
54. ‡**Pryzbyla S, **Golin CE**, Widman L, Grodensky C, Earp JA, Suchindran C. Examining the role of serostatus disclosure on unprotected sex among people living with HIV. *AIDS Patient Care STDs*. 2014 Dec;28(12) 677-84. PMC4250938
55. Viswanathan M, Kahwati LC, **Golin CE**, Blalock S, Coker-Schwimmer E, Posey R, Lohr KN. Medication therapy management interventions in outpatient settings [Internet]. Rockville (MD): Agency for Healthcare Research and Quality (US) Comparative Effectiveness Reviews. 2014 Nov. Report No.:14(15)-EHC037-EF.PMID:26042317
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57. **Widman L, Choukas-Bradley S, Helms SW, **Golin CE**, Prinstein MJ. Sexual communication between early adolescents and their dating partners, parents, and best friends. *J Sex Res*. 2014;51(7):731-41. PMC4063897

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88. ‡Przybyla SM, **Golin CE**, Grodensky CA, Patel SN, Earp JA, Quinlivan EB. Beliefs about reinfection among HIV-positive patients in the south: does race matter? UNC Minority Health Conference, Chapel Hill NC, February 2007, Epub. 1 page.
89. **Golin CE**, Wright J, Gerkovich, Quinlivan EB, Tien H, Patel SN, Gardner L, Marks G, O'Daniels. Characteristics and sexual activities of people living with HIV/AIDS (PLWHA) for men who have sex with men, heterosexual men and women. International AIDS Conference, Toronto Ontario Canada, August 2006. 1 page.
90. **Golin CE**, Earp JE, Patel SN, Quinlivan EB, Patterson K, Przybyla S, Fowler B. Project SAFETALK: an innovative multi-component motivational interviewing-based safer sex program for people living with HIV (PLWH). International AIDS Conference, Toronto Ontario Canada, August 2006, Epub. Abstract no. WEPE0303, 1page.
91. **Golin CE**, Sheridan S, Bunton A, Schwartz B, McCormack L, Driscoll D, Soloe C, Harris RP. Evaluation of a prostate cancer screening shared decision making program that includes values clarification. Oral Presentation, Society of General Internal Medicine (SGIM) Annual Conference, Los Angeles CA, April 2006, 1 page.
92. **Golin CE**, Wright J, Gerkovich, Quinlivan EB, Tien H, Patel SN. Characteristics and sexual activities of people living with HIV/AIDS (PLWHA) for men who have sex with men, heterosexual men and women. Society of General Internal Medicine (SGIM) Annual Conference, Los Angeles CA, April 2006, 1 page.
93. Wohl DA, Menezes P, Torres R, Vollmer K, Tiawo B, Avots M, Haley D, **Golin CE**, Theodore D, Stephenson B, Rublein J, Kashuba A. Early safety, tolerability, efficacy and pharmacokinetics of once daily Lopinavir/r + Tenofovir + 3TC among HIV-infected African-American men and women naïve to HIV therapy – the AAQD Study. International AIDS Society (IAS) Conference, Rio de Janeiro Brazil, July 2005, Epub Abstract no. WePe12.2Co6, 1 page

94. **Golin CE**, Patel SN, Paulovits K, Quinlivan EB. Development and pilot assessment of a motivational interviewing-based “prevention for positives” program. National CDC Prevention Conference, Atlanta GA, June 2005, Epub. abstract no. T1-Fo803, 1 page.
95. ‡Patel SN, **Golin CE**, Quinlivan EB, Tien H, Ramsey K, Aspden CE. Implementation of “Prevention for Positives” guidelines in a clinical setting in North Carolina: challenges, responses, and results. CDC Prevention Conference, Atlanta GA, June 2005, Epub abstract no. M1-F1203, 1 page.
96. Wilson T, **Golin CE**, et al. Gender differences in the relationship between antiretroviral therapy (ART) -related beliefs and sexual behavior among HIV+ patients in clinical care settings. CDC HIV Prevention Conference, Atlanta GA, June 2005, 1 page.
97. *Aspden CE, Boland MS, **Golin CE**, Patel SN, Price M, Quinlivan EB. Preferences and beliefs about safer sex counseling in the clinical setting: an inquiry of HIV-infected patients and their medical providers. CDC Prevention Conference, Atlanta GA, June 2005, 1 page.
98. **Golin CE**, Boland MS, Patel SN, Aspden CE, Fowler B, Sutherland L, Quinlivan EB. Start Talking about risks (STAR): development and pilot-testing of an educational and screening webtool to support an HIV “Prevention for Positives” counseling program. CDC Prevention Conference, Atlanta GA, June 2005, abstract no. T2-Fo201, 1 page.
99. **Golin CE**, Boland MS, Patel SN, Aspden CE, Fowler Sutherland L, Quinlivan EB. Start talking about risks: a qualitative assessment of patient and provider views informing web tool development to support HIV “Prevention for Positives” counseling. Society of General Internal Medicine (SGIM) Annual Conference, New Orleans LA, May 2005, 1 page.
100. **Golin CE**, Arora N, Bowling M, Strigo T, Rimer B. When do I tell my doctor what I saw on the internet? The interaction between doctor communication style and cancer patients’ self-efficacy to communicate. Society of General Internal Medicine (SGIM) Annual Conference, New Orleans LA, May 2005, 1 page.
101. **Golin CE**, Patel SN, Paulovits K, Quinlivan EB. Development and pilot evaluation of a motivational interviewing intervention to promote safer sex practices among persons living with HIV. Society of General Internal Medicine (SGIM) Annual Conference, New Orleans LA, May 2005. *J Gen Intern Med.* 2005 April;20(S1):275-279.
102. **Golin CE**, Earp JA, Thrasher A. How does quality of motivational interviewing affect quality? XV International AIDS Conference, Bangkok Thailand, July 2004, 1 page.
103. **Golin CE**, Earp, JA, Tien H, Stewart P. A randomized trial of motivational interviewing to improve ART adherence. XV International AIDS Conference Bangkok Thailand, July 2004, 1 page.
104. *‡Thrasher A, **Golin CE**, Earp JA. Quality of motivational interviewing and adherence to ART. Society of General Internal Medicine (SGIM) National Meeting, Chicago IL, May 14, 2004. *J Gen Intern Med.* 2004 April; 19(S1):1-5.
105. Wohl DA, Stephenson BL, Strauss RP, **Golin CE**, Shain L, Adamian M, Kaplan AH. Access to HIV care and antiretroviral therapy following release from prison. 11th Conference on Retroviruses and Opportunistic Infections, San Francisco CA, February 2004, 1 page.
106. **Golin CE**, Smith SR, Reif S. Usual care antiretroviral (ART) adherence counseling practices of generalist versus specialist physicians in North Carolina. XIV International AIDS Conference, Barcelona Spain, July 2002, Abstract no. WePeB5875, 1 page.

107. **Golin CE**, Earp JA, Howie L, Adamian M, Shain L. Development and assessment of an intervention to improve adherence to antiretroviral therapy (ART) by enhancing patient involvement. Society of General Internal Medicine (SGIM) 25th Annual Meeting, May 2002. J Gen Intern Med. 2002; 17, S1:124.
108. Smith SR, Rief R, **Golin CE**. Interprofessional relations between pharmacists and HIV case managers. Poster presentation, American Pharmaceutical Association Annual Meeting, Philadelphia PA, March, 2002, 1 page.
109. **Golin CE**, Earp J, Leff V, McCall E, Adamian M, Shain L, Howie L. Development and initial assessment of an audiotape-based intervention to improve adherence to antiretroviral therapy (ART): enhancement of HIV-positive patients' participation in medical decision-making. Panel Presentation, Association for Advancement of Behavior Therapy (AABT) Annual Meeting, Philadelphia PA, November 2001, Epub abstract 29945, 1 page.
110. **Golin CE**, Earp J, Leff V, McCall E, Adamian M, Howie L. Development and initial assessment of an audiotape-based intervention to improve adherence to antiretroviral therapy (ART): enhancement of HIV-positive patients' participation in medical decision-making. Podium Presentation, American Public Health Association (APHA) 129th Annual Meeting, Atlanta GA, October 2001, 1 page.
111. *Adamian M, Earp JA, Shain L, Howie L, **Golin CE**. Brief motivational interviewing to improve medication-taking for patients with HIV: a content analysis. Podium Presentation, American Public Health Association (APHA) 129th Annual Meeting, Atlanta GA, October 2001, Epub abstract #29694, 1 page.
112. Smith SR, Rief R, **Golin CE**. Collaborations between case managers and pharmacists in HIV/AIDS care. Podium presentation, American Public Health Association (APHA), 129th Annual Meeting, Atlanta GA, October 2001, Epub abstract #29877, 1 page.
113. **Rief S, Smith SR, **Golin CE**. Adherence counseling practices of HIV/AIDS case managers. Roundtable presentation, American Public Health Association (APHA), 129th Annual Meeting, Atlanta GA, October 2001, Epub abstract #27210, 1 page.
114. Crystal S, McSpirt E, Akincigil A, Wenger N, Cunningham W, **Golin CE**, Gifford A, Fleishman J, Andersen R, Shapiro M, Bozzette S. Non-use of HAART among HIV-infected persons in the United States. Association of Health Services Research (AHSR), June 2001, 1 page.
115. Smith SR, **Golin CE**, Reif S. Antiretroviral adherence counseling in ambulatory care and community pharmacy settings in North Carolina. Podium presentation, American Pharmaceutical Association Annual Meeting, San Francisco CA., March 2001, 1 page.
116. **Golin CE**, Smith S, Reif S. Usual care adherence practices among physicians, pharmacists and case managers caring for patients with HIV in North Carolina. Society of General Internal Medicine (SGIM) 24th Annual Meeting, San Diego CA, 2001, 1 page.
117. Smith SR, Rief R, Rogers D, Sherman S, **Golin CE**. Adherence practices of HIV/AIDS care providers in North Carolina. Presentation, American Public Health Association (APHA), 128th Annual Meeting, Boston MA, November 2000, 1 page.
118. **Golin CE**, Kaplan AH, Liu HH, Miller L, Beck K, Ickovics J, Wenger N. Patient factors associated with and self-reported reasons for nonadherence to antiretroviral therapy. Society of General Internal Medicine 22nd Annual Meeting, San Francisco CA, June 1999, 1 page.

119. Konrad TR, Saint S, **Golin CE**, Linzer M, and SGIM Career Satisfaction Study Group. Hospitalist and internists' job satisfaction: different strokes for different cloaks. Society of General Internal Medicine 22nd Annual Meeting, San Francisco CA, June 1999, 1 page.
120. Liu HH, Wenger NS, **Golin CE**, Miller L, Hays RD, Beck K, Sanandaji S, Christian J, Maldonado T, Duran D, Kaplan AH. How to best measure medication adherence? Society of General Internal Medicine 22nd Annual Meeting, San Francisco CA, June 1999, 1 page.
121. **Golin CE**, Liu HH, Miller L, Beck K, Ickovics J, Kaplan AH, Wenger N. Self-Reported adherence to protease inhibitors substantially overestimates an objective measure. 6th Conference on Retroviruses and Opportunistic Infections, Chicago IL, 1999, Epub program and abstracts of 1999, 1 page.
122. Kaplan AH, **Golin CE**, Liu HH, Miller L, Beck K, Ickovics J, Wenger N. Adherence to protease inhibitor therapy and viral load. 6th Conference on Retroviruses and Opportunistic Infections, Chicago IL, 1999, Epub program and abstracts of 1999, 1 page.
123. **Miller L, Liu H, Beck K, **Golin CE**. Providers' estimates of adherence overestimate reports from medication event monitoring system (MEMS) for patients on protease inhibitors. 6th Conference on Retroviruses and Opportunistic Infections, Chicago IL, 1999, Epub program and abstracts of 1999, 1 page.
124. Wenger N, Gifford A, Liu H, Chesney M, **Golin CE**, Crystal S, Berry S, Coplan S, Bozzette M, Shapiro. Patient characteristics and attitudes associated with antiretroviral (AR) adherence. 6th Conference on Retroviruses and Opportunistic Infections, Chicago IL, 1999, Epub program and abstracts of 1999, 1 page.
125. **Durvasula RS, **Golin CE**, Stefaniak M. Determinants of medication adherence in HIV+ women: A pilot investigation. 12th World AIDS Conference, Geneva SW, 1998, 1page.
126. **Golin CE**, Wenger NS, Liu HH, Phillips RS, Dawson NV, Teno J, Desbiens N, Oye RK and the SUPPORT Investigators. A prospective evaluation of factors associated with patient-physician communication about resuscitation. Society of General Internal Medicine (SGIM) National Meeting, May 1997, 1 page.
127. **Golin CE**, DiMatteo MR, Gelberg LA. Disease-specific scale of diabetic patients' desires for involvement in medical decision making. Society of General Internal Medicine National Meeting, May 1997, 1 page.
128. **Golin CE**, DiMatteo MR, Duan N, Leake B, Heritage J, Gelberg, L. Does patient participation in medical decision making affect diabetic patients' satisfaction with care? Society of General Internal Medicine (SGIM) National Meeting, May 1997, 1 page.

Products Of Interdisciplinary Scholarship

1. SafeTalk Training Manual. Counselor Training for a Motivational Interviewing SafeTalk Safer Sex Program for People Living with HIV, **Golin CE**. 2006.
2. STAR Training Manual. Start Talking About Risks Counselor Training for a Motivational Interviewing Safer Sex Program for People Living with HIV, **Golin CE**. 2004.
3. SafeTalk Training Manual. SafeTalk For Peers, **Golin CE**, Allicock M, Grodensky CA. 2013.

Digital And Other Novel Forms Of Scholarship

1. An interview with Alexis Dennis and Dr. Carol Golin who wrote the article, "You're in a World of Chaos." JANAC Podcast. 2015
2. Project imPACT DVD, intervention tool, Golin CE, 2011.
3. SafeTalk Getting Started booklet and CD, intervention materials, Golin CE, 2006.
4. SafeTalk Did You Know? booklet and CD, intervention materials, Golin CE, 2006.
5. SafeTalk Following Up booklet and CD, intervention materials, Golin CE, 2006.
6. A New Leaf (4 CDs), control materials for SAFETALK participants, Golin CE, 2006
7. In Their Own Voices: HIV and Intimacy, Educational DVD, Golin CE and the STAR Team, 2005.
8. Start Talking About Risks, Webtool, Golin CE and the STAR Team, 2003.

Refereed Unpublished Oral Presentations and Abstracts

1. **‡Widman LM, **Golin CE**, Prinstein M. An eHealth approach to adolescent HIV/STD prevention: program development, formative research, and some critical lessons learned. Society for Research on Adolescence Biennial Meeting. Baltimore MD, March 2016.
2. Invited. **Golin CE**, Bradley-Bull S. Motivational interviewing training conducted at The University of Alabama at Birmingham (UAB) the iENGAGE study. February 6, 2015.
3. Invited. **Golin CE**. "All Things Considered: Texting for Health Lessons Learned" eIntervention workshop: building more effective interventions through functional design! CHAI Core, NC Botanical Gardens Conference Center. October 31, 2014.
4. Invited. **Golin CE**. "Texting to Stay Healthy After Prison Release" Inaugural Symposium: Using New Technologies to Enhance Healthy Behaviors. Chapel Hill, NC, October 2013.
5. **‡Widman L, **Golin CE**, Grodensky CA, Suchindran C. Sexual attitudes, beliefs and transmission risk behavior in people living with HIV. Poster presentation. Center for Disease Control National HIV Prevention Conference. Atlanta GA, August 2011.
6. **Golin CE**, Paulovits K. Patient's perceptions of a motivational interviewing (MI) prevention for positives program. EPPEC SPNS Prevention for Positives Grantees Semi-Annual Meeting. Baltimore MD, May 2005.
7. **Golin CE**. Perceptions of a "Prevention for Positives" program: a qualitative inquiry of patients', providers' and counselors' views. EPPEC Semi-Annual Grantees Meeting. Baltimore MD, May 2005.
8. **Golin CE**. Motivational Interviewing: Challenges and Strategies, EPPEC Semi-Annual Grantees Meeting, Washington DC, November 2004.
9. Smith SR, **Golin CE**, Rief S. Antiretroviral adherence counseling in ambulatory care and community pharmacy settings in North Carolina. Podium presentation, American Pharmaceutical Association Annual Meeting. San Francisco CA, March 2001.

10. **Golin CE**, DiMatteo MR, Leake B, Duan N, Gelberg, L. Factors affecting adherence to diabetic self-care: does patient participation in medical decision making play a role? Drug Information Association Conference of Compliance among Patients on Drug Therapy. Baltimore MD, December 1997.
11. **Golin CE**, Wenger NS, Liu HH, Dawson NV, Teno JM, Desbiens ND, Lynn J, Oye RK, Phillips RS. A prospective evaluation of patient factors associated with patient-physician communication about resuscitation preferences. Podium presentation. Plenary Session, Robert Wood Johnson Clinical Scholars Program National Meeting. November 1997.
12. **Golin CE**, DiMatteo MR, Duan N, Leake B, Heritage J, Gelberg L. Does patient participation in medical decision making affect diabetic patients' satisfaction with care? Podium presentation. Plenary Session, Robert Wood Johnson Clinical Scholars Program National Meeting. November 1996.

Teaching Activities

2014 - Present	Small Group Leader Epidemiology 805, grant writing course NC TraCS approximately 6 students per small group.
2005 - 2015	Course Director University of North Carolina Department of Health Behavior Gillings School of Global Public Health Communication and health-related decision making course, approximately 15-32 students per year
1998 - 2000	Course Director University of North Carolina School of Medicine Clinical epidemiology course, approximately 150 students in the course with approximately 15 students in each section per year

Lectures

2000 - Present	Guest Lecturer Epidemiology 806 (guest lectures and mock reviews) Students included graduate students, postdoctoral students, and junior faculty, Approximately 30-40 students per year. Epidemiology 896 Students included graduate students, postdoctoral students, and junior faculty, Approximately 30-40 students per year Epidemiology 805 Students included graduate students, postdoctoral students, and junior faculty, approximately 30-40 students per year
November 2016	Guest Lecturer , Epidemiology 805, Grantwriting Course, "Significance and Innovations Sections in NIH Grants: How to Succeed.

- February 2016 **Guest Lecturer**
Health Behavior mHealth Course (Instructor Tate)
Provided lecture entitled, "texting for health after prison release: considerations and lessons learned from project impact for prisoners living with hiv, approximately 30 MPH and PhD students
- September 2015, 2016 **Guest Lecturer**
HBEH 752 (Program Evaluation)
Provided a lecture on process evaluation of an HIV linkage to care, medication adherence and HIV prevention intervention for HIV+ released inmates, Approximately 50 MPH students
- 1998 - 2005 **Faculty Instructor**
University of North Carolina School of Medicine
Clinical epidemiology course
approximately 15 students per year
- 2000 - 2004 **Guest Lecturer**
HBHE 252 (Behavioral interventions in the clinical setting)
approximately 40-50 graduate students per year

HBHE 131 (Motivational Interviewing)
approximately 40-50 graduate students per year

HBHE 311 (Development of a theoretically-based intervention to improve adherence to antiretroviral therapy)
approximately 40-50 graduate students per year

Health Care and Prevention Master's Program Prevention Course
approximately 40-50 graduate students per year.
- 1995 - 1996 **Instructor**
University of California at Los Angeles
Doctoring course, year-long problem-based learning seminar for second year medical students on social and cultural aspects of medicine, communication skills, health services, and epidemiology, approximately 10 students per year

Grand Rounds

The Puzzle after the Prescription: Adherence to Chronic Medical Treatment. UNC Department of Medicine, February 2005.

Clinical Teaching

- 1994 - 1995 **Clinical Instructor**
University of California at Los Angeles
Clinical fundamentals course
Taught skills in history-taking and physical diagnosis and supervised groups of second year medical students
- 1991 - 1993 **Clinical Instructor**
University of North Carolina at Chapel Hill
Physical diagnosis course

Taught communication and physical examination skills and supervised a group of second year medical students

Invited Continuing Education Lectures

At UNC

1. *Money on My Mind: The Relationship between Income and Mental Health*. 36th Annual Minority Health Conference, University of North Carolina at Chapel Hill, Chapel Hill, NC, February 27, 2015. (cancelled day of due to weather, slides made available)
2. *Motivational Interviewing for Public Health Professionals: A Person-Centered Approach to Achieve Healthier Outcomes*. SOPHE Webinar. University of North Carolina at Chapel Hill, February 17, 2016.
3. *UNC Research to Optimize Treatment and Prevention in Criminal Justice Settings and Populations*. 16th Annual World AIDS Day Symposium, University of North Carolina at Chapel Hill, Chapel Hill, NC, December 2014.
4. *imPACT Training: Individuals Motivating to Participate in Adherence, Care and Treatment*. Cecil G. Sheps Center for Health Services Research, UNC, Chapel Hill, NC, December 6-9, 2011.
5. *Guide to Healing: Motivational Enhancement Therapy Training*. UNC Infectious Diseases Conference, Chapel Hill, NC, November 2, 2010.
6. *Motivational Enhancement Therapy Technique Training for SLAM-DUNC Study Team*. UNC School of Public Health, Chapel hill, NC, October 29, 2010
7. *Democratic Republic of Congo project training*. Gillings Global School of Public Health. UNC, Chapel Hill, NC, May and July 2010.
8. *Prevention with Positives: HIV Prevention Counseling in Routine Clinical Care*. Infectious Diseases Fellows Training, Bioinformatics Conference, UNC, Chapel Hill, NC, July 15, 2010.
9. *Prevention with Positives: Integrating HIV Prevention into Routine Clinical Care*. Infectious Diseases Fellows Training, Lineberger Conference Room, UNC, Chapel Hill, NC, December 7, 2007.
10. *A Behavioral HIV Prevention Program for People Living With HIV/AIDS (PLWHA)*. Podium Presentation, UNC Minority Health Conference, Chapel Hill, NC, February 2007.
11. *Keeping the Prevention Promise in North Carolina*. World AIDS Day Symposium, UNC Center for AIDS Research, Chapel Hill NC, December 2005.
12. *Prevention for Positives: Safer Sex Counseling in the Clinical Setting*. 2004 HIV Update, Chapel Hill NC, May 2004.
13. *A Practical Approach to Antiretroviral Adherence*. Pre-Course, NC Statewide HIV Update, Chapel Hill NC, May 2002.
14. *Adherence to Antiretroviral Therapy: Strategies to Improve It*. Podium Presentation, Annual NC HIV Update Symposium, Chapel Hill NC, April 2001.
15. *Adherence to Antiretroviral Therapy: The Newest Challenge for the AIDS Epidemic*. Podium Presentation, NC HIV Update Symposium, Chapel Hill NC, March 2000.

Outside UNC

1. *Collaborative HIV Research: The Role of Social and Behavioral Sciences and the UNC Center for AIDS Research*. NC State University Multi-disciplinary Social and Behavioral Science Group Colloquium, November 13, 2015.
2. *Motivational Interviewing training focused on health care professionals and medication adherence*. North Carolina Area Health Education Center (AHEC), Charlotte, NC, 3/10/15 and 3/11/15.
3. Webinar, *Peers for SafeTalk: Can a Motivational Interviewing-based Safer Sex Program for People Living with HIV Be Adapted for Peer Delivery*. Peers for Progress, January 2014.
4. *Strategies to Engage Women Living with HIV in Shared Decision Making*. Women's Research Initiative Think Tank; Calistoga, CA, April 27, 2013.
5. *Community Engagement in HPTN 064: Finding, Respecting and Learning about US Women at Risk of HIV Infection*. HIV Prevention Academy, Research Triangle Park, February 2012.
6. *Special Topics in Safer Sex Counseling, Early Intervention Clinic*. Durham County Health Department, Durham, NC, July 13, 2011.
7. *Behavior Change & HIV Prevention Training for Health Care Providers*. Piedmont HIV Health Care Consortium, Raleigh, NC, November 7, 2008.
8. *HIV Prevention Training*. Durham County Health Department, Durham, NC, November 5, 2008.
9. *CFAR Primary STI & HIV Prevention Training for Providers*. Wake County Health Department, Raleigh, NC, March 4, 2008.
10. *CFAR Primary STI & HIV Prevention Training for Providers*. Wake County Health Department, Raleigh, NC, February 19, 2008.
11. *Prevention with Positives Training*. Moses Cone Hospital Infectious Diseases Division, Greensboro, NC, June 2007.
12. *Prevention with Positives: Implementing Prevention Counseling into the Clinical Setting*. Southeast AIDS Training and Education Center (SEATEC) Conference: Medical Management of HIV in the Rural Southeast, Asheville NC, September 2005.
13. *STAR Start Talking about Risks: Prevention for Positives Program*. Health Resources and Services Administration (HRSA) All Titles Annual Meeting, Washington DC, August 2004.
14. *MI training workshop*. Southeast AIDS Training Network, Atlanta GA, June 2004.
15. *HIV Invited Speaker, Adherence Measurement Panel*. HIV Invited Speaker, First Annual International HIV Adherence Conference, Dallas TX, December 2002.
16. *A Practical Approach to Antiretroviral Adherence*. HIV Update, Amarillo TX, November 2002.

Research Mentorships

Junior Faculty

Shelley Golden, PhD. Gillings School of Public Health, UNC-Chapel Hill Department of Health Behavior, Faculty Mentor, 2016-present.

Michael Herce, MD. UNC, Division of Infectious Disease, UNC Department of Medicine, Secondary Research Mentor on Ko8 Application and Award, Enhancing Engagement in Care in released HIV-infected prisoners in Zambia, March, 2015-present.

Crystal Cene, MD. Division of General Internal Medicine and Clinical Epidemiology, Department of Medicine, Co-Primary Faculty Mentor, 2013- present.

Stacy Bailey, PhD. MPH, School of Pharmacy, Division of Policy and Health Outcomes, Campbell Faculty Mentor, October 2012-present.

Stephanie Wheeler, PhD. UNC, Gillings School of Global Public Health, Secondary Research Mentor on American Cancer Society funded Early Career Award, Improving endocrine therapy utilization in racially diverse populations, 2011-present.

Donna Evon, PhD. UNC, Department of Medicine, Division of Gastrointestinal Diseases, Primary Research Co-mentor on KL-2 and K23, Development and Pilot-testing of a Coping Skills and Peer-Support Group Intervention to Increase Adherence Among Patients Undergoing Antiviral Treatment for Hepatitis C, 2008-present.

David Rosen, MD. PhD Department of Medicine, Division of Infectious Diseases, Co-Primary Post-doctoral and Junior Faculty Research and Career Mentor, 2006-2015.

Becky White, MD. MPH, UNC, School of Medicine, Primary Research Mentor on K23 award, Enhancing HIV Screening among Primary Care Physicians in the Southeast, 2000 – 2016.

Clare Barrington, PhD. Gillings School of Public Health, UNC-Chapel Hill Department of Health Behavior, Faculty Mentor, 2013-2016.

Maria Khan, PhD. School of Medicine, New York University, Doctoral Student, Post-doctoral, Secondary Faculty Mentor, 2005-2016.

Laura Widman, PhD. NC State University, Department of Applied Social and Community Psychology, Primary Post-doctoral (T32, K99) Sexual Communication and HIV Risk-Reduction among Adolescents and Junior Faculty Mentor on K99/R00, July 2010-2015.

Angela Thrasher, PhD. MPH, UNC Gillings School of Global Public Health, Secondary Faculty Co-Mentor, January 2014-2015.

Tandrea Carter, PhD. Appalachian State University, Primary Faculty mentor on HPTN Scholar Project, Prevalence of Sexual Minority Status among Women at Elevated Risk for HIV Infection: Associated Individual-level Factors and Sexual Risk Behaviors, 2013-2015.

Malika Roman-Isler, PhD. UNC School of Medicine, Department of Social Medicine, Primary Faculty mentor on HPTN Scholar Project, Venues for Meeting Sex Partners and Partner HIV Risk Characteristics: HIV Prevention Trials Network (HPTN064) Women's HIV Seroincidence Study (ISIS) January, 2011-April 12, 2015.

Jia Rong Wu. UNC, School of Nursing, Assistant Professor, Secondary Faculty Mentor on K23 award, An integrated family-focused and literacy-sensitive intervention to improve medication adherence in patients with heart failure, 2012- 2014.

Schenita Davis-Randolph. NC A&T School of Nursing, Primary Faculty Mentor for Shaw-Carolina Partnership Developmental Award, Exploring Sexual Identity Development among African American male college students 2010-2013.

Lisa Hightow MD, MPH, Department of Medicine, Division of Infectious Diseases, Co-Secondary Research Mentor on NIMH K23 and HRSA Special Project of National Significance Grant, Health MPowerment and Social Networks and Partnerships (SNAP) 2008-2010.

Carmen Lewis, MD, MPH. UNC Division of General Internal Medicine and Clinical Epidemiology, Primary Mentor for Post-doctoral Fellowship and as Junior Faculty NCI K07, Cancer Screening Decision-making in the Elderly, 1998-2010.

CFAR Developmental Faculty Awardees

Lauren Brinkley-Rubinstein. Department of Social Medicine, UNC SOM, Attitudes toward Pre-Exposure Prophylaxis among People who Inject Drugs in NC. 2017-

Kate Muessig, PhD. Designing a peer-support, eHealth enabled intervention to increase linkage to care and medication adherence among HIV+ men who have sex with men in China. 2015.

Deborah Fortune. Development of a Relationship Imperative Scale for Understanding HIV Transmission among African American College Women, 2014-present.

Gina Chowa. Strengthening the Economic Capacity of Young Women to address HIV/AIDS challenges in Zambia, 2010.

Kia Caldwell. Assessing the HIV Prevention Needs of Middle Socioeconomic Status African American Women in North Carolina, 2010.

Deborah Jones. The Role of Implicit Measurement in Studies of HIV/AIDS Risk among African American Youth, 2008.

Michele Berger. The Mothers/Daughters HIV/AIDS Prevention Series: The Power of Intergenerational Communication and expression, 2006.

Anna Scheyette. Perceptions of Release among Incarcerated HIV-Infected Persons: Variations and Implications for Post-Release Outcomes, 2006.

Heidi Swygard. Impact of Intimate Partner Violence on the Health of HIV+ Women, 2003.

Post-doctoral Fellows Supervised or Mentored

Nadya Belenky, PhD. UNC Chapel Hill, Global Health & Infectious Disease, secondary mentor on AHRQ F32 (Ada Adimora primary mentor), Effects of the Affordable Care Act on the behavioral health of people with HIV, 2016-present.

Donaldson Conserve, PhD. UNC-Chapel Hill, Global Health & Infectious Disease, secondary mentor (Suzanne Maman primary mentor), Expanding HIV testing of men in Tanzania using self-testing, 2013-present.

Nora Rosenberg, PhD. UNC-Chapel Hill, Global Health & Infectious Disease, Secondary Research Mentor on K99/R00, Assessing Strategies for Increasing Male Involvement in Malawi's Option B+ Program, 2012-present.

David Rosen, MD. PhD Department of Medicine, Division of Infectious Diseases, Co-Primary Post-doctoral and Junior Faculty Research and Career Mentor, 2006-present.

Laura Widman, PhD. UNC-Chapel Hill, Department of Health Behavior, Gillings School of Global Public Health, Post-doctoral Research Mentor on T32 Project, The Interactive Effects of Motivation and Self-Efficacy in SafeTalk, a Multi-component Motivational Interviewing-Based Intervention to Improve Safer Sex Practices of Sexually Active People with HIV/AIDS, May 2010 – 2016.

Yvonne Carter, MD. UNC- Chapel Hill, Department of Medicine, Division of Infectious Diseases, HPTN Scholar Secondary Research Mentor, 2010-2014.

Claire Farel MD. UNC- UNC-Chapel Hill, Department of Medicine, Division of Infectious Diseases, Junior Faculty Mentor on F32, Understanding contextual factors affecting HIV risk among incarcerated women 2010-2013.

Christopher Hurt, MD. Department of Medicine, Division of Infectious Diseases, Co- Secondary Research Mentor for K23, Reducing Risks among the Antiretroviral Drug Resistant (RRADR): A Novel Behavioral Intervention to Address Transmitted HIV-1 Drug Resistance through Secondary Prevention 2008-2011.

Carmen Lewis, MD. MPH. UNC Division of General Internal Medicine and Clinical Epidemiology, Primary Mentor for Post-doctoral Fellowship and as Junior Faculty NCI Ko7, Cancer Screening Decision-making in the Elderly, 1998-2010.

Habib Ali El Takach, MD. Department of Health Policy and Management, UNC Gillings School of Global Public Health, Humphrey Visiting Scholar in Health Policy from Beirut, Lebanon, served as Academic and Practicum Advisor, 2006-2007.

Graduate Supervision and Committees

PhD Students Supervised

Dissertation Chair - Completed

Rebecca Davis Ochtera. Health Behavior. Dissertation Title: Conceptualizing HIV-associated stigma and exploring the correlates of HIV testing behaviors for incarcerated men in North Carolina. Defended March, 2012.

Zulfiya Chariyeva. Health Behavior. Dissertation Title: The Role of Self-Efficacy to Explain the Effect of Counseling Time on Changes in Risky Sexual Behavior among People Living with HIV: A Mediation Analysis. Defended February, 2011.

Sarahmona Przybyla. Health Behavior. Dissertation Title: Examining correlates of serostatus disclosure and sexual transmission risk behaviors among people living with HIV in North Carolina. Defended June, 2009.

Angela Thrasher. Health Behavior. (co-chair with JoAnne Earp) Dissertation Title: Discrimination, distrust, and racial/ethnic disparities in antiretroviral therapy adherence by HIV+ patients. Defended 2006.

Dissertation Chair – In Progress

Tainayah Thomas. Health Behavior, Dissertation Topic (Title TBD): Improving providers implementation of diabetes mellitus screening guidelines to reduce health disparities, 2016-present.

Dissertation Committee Member

Within Health Behavior - Completed

Lisa Parker. Health Behavior. Dissertation Title: Influences on sexual risk behavior of HIV-positive adolescents in Democratic Republic of Congo. Defended June, 2012.

Christina Holub. Health Behavior. Dissertation Title: Parental/caregiver influence on sexual risk behaviors among HIV-positive young people in Kinshasa, the Democratic Republic of the Congo. Defended October, 2009.

Melissa Watt. Health Behavior. Dissertation Title: Understanding patients' adherence to antiretroviral therapy: a mixed-methods study in Arusha, Tanzania. Defended December, 2007.

Chandra Ford. Health Behavior. Dissertation Title: Perceived racism, neighborhood characteristics and HIV testing behaviors among African Americans. Defended 2005.

Outside Health Behavior - Completed

Byron Jaeger. Department of Biostatistics, Gillings School of Global Public Health, Dissertation Title: An R2 statistic for fixed effects in the generalized, linear mixed model. 2016-Spring 2017.

Angela Odiachi. UNC-Chapel Hill, Health Policy and Management. The Impact of Disclosure on Health Outcomes in HIV-Infected Nigerian Children. Defended DrPH dissertation, October, 2015.

Deann Long. Department of Biostatistics. Marginalized Zero-Inflated Poisson Regression, Defended dissertation, March, 2013.

Sandra Santucci. School of Nursing. HIV Tested Patients in an Urgent Care Setting: Psychosocial and Clinical Characteristics, February 2011.

David Rosen. Epidemiology. HIV Testing in Prisons: Decision Making and Prevalence of HIV. Defended dissertation, 2008.

In Progress

Parth Shah. Department of Health Behavior, Gillings School of Global Public Health, Dissertation Title: Pharmacy's role in HPV vaccination for U.S. adolescents, 2015-present.

Dwight Yin. Department of Epidemiology, Gillings School of Global Public Health. Dissertation Title: Accounting for Adherence in Comparisons of Pediatric Antiretroviral Therapy, 2015-present..

Doctoral Research Practicum/Mentoring

Venita Embry, Health Behavior, First year student doctoral student conducting practicum with me Spring 2017 to study intimate partner violence via a systematic review of IPV instruments and secondary analysis of IPV predictors among HIV+ released inmates.

Marjorie Margolis, Health Behavior, Second year student doctoral student working with me conducting practicum Spring 2017 on Project IFE to assist with CBPR, data collection and data analysis.

Allison Pack. Health Behavior, Second year student doctoral student working with me as Research Assistant and Academic Advisee, Dissertation Topic Relationship between Social Support and HIV risk behaviors among orphaned adolescents living in high HIV prevalence regions of the globe. August 2015-present.

Sarah Rutstein. Epidemiology, Co-mentor for F30 MD/PhD Training grant entitled, Optimizing HIV Therapy: virological monitoring, adherence & cost-effectiveness 2011- August 2015.

Musheni Nsa. School of Medicine, Examining ARV adherence among sexually active people living with HIV/AIDS. 2007-2008.

Linda Ko. Health Behavior. Adaptation of a Coding Scheme of Doctor-patient Conversations among Diabetic Spanish-Speaking patients, Summer 2004.

Carolyn Kalinowski. Health Behavior. Patient and Physician Factors Associated with Diabetic Patients' Perceptions that their Physician Facilitated their Participation. 2004.

Angela Thrasher. Health Behavior. Motivational interviewing to support antiretroviral therapy adherence: the role of quality counseling. 2003-2004.

Susan Reif. Health Policy and Management. The Role of Case Managers in Adherence Counseling, 2000-2003.

Health Behavior MPH Capstone Teams Supervised

2015 - 2016	Sarah Prager, Nicole Robinson-Ezekwe, Juliet Sheridan, Mary Wangen PORCH Carol Golin – Faculty Team Mentor
2013 - 2014	Liz Chen, Alexis Dennis, MaryBeth Grewe, Kat Stein, Sable Watson UCLA Art & Global Health Center AMP! Carol Golin – Faculty Team Mentor
2011 – 2012	Claire Chu, Mary Key, Caitlin Kleiboer, Elaine Lo, Nora West Project ImPACT Carol Golin – Faculty Team Mentor and Preceptor
2010 – 2011	I Megan Clarke, Diane Freeman, Katie Harr, Kathleen Krieger Inter-Faith Food Shuttle and UNC Department of Nutrition Carol Golin – Faculty Team Mentor

MPH Student Advising

Student Name	Department	Advisor's Role	Years
Sarah Shaughnessy	Health Behavior	Research Internship Supervisor	Spring 2017
Reana Thomas	Health Behavior	Academic Advisor	2016-present
Ashley Schultz	Health Behavior	Academic Advisor	2016-present
Sruthi Cherkur	Health Behavior	Research Assistantship Supervision	2016-present
Bailey Herrington	Health Behavior	Research Assistantship Supervision	2016-present
Camille McGirt	Health Behavior	Research Assistantship Supervision	2015-present
Virginia Burger	Health Behavior	Academic Advisor	2015-2017
Angela Hensel	Health Behavior	Academic Advisor	2015-2017
Anna Dardick	Health Behavior	Academic Advisor/Research Assistantship Supervision	2014-2016

Steffani Bangel	Health Behavior	Academic Advisor	2014-2016
Kelly Knudson	Health Behavior	Academic Advisor/Independent Study	2013-2015
Chanee Lynch	Health Behavior	Academic Advisor/Independent Study	2013-2015
Sayaka Hino	Health Behavior	Research Assistantship/ Independent Study	2012-2014
Dennis Carmody	Health Behavior	Independent Study	Fall 2014
Lawrenson Christmas	Health Behavior	Research Practicum Preceptor	Summer 2014
Joy Massey	Health Behavior	Research Practicum Preceptor	Summer 2014
Jennifer Lawall	Health Behavior	Research Practicum Preceptor	Summer 2014
Alexis Dennis	Health Behavior	Academic Advisor/Research Assistantship/Independent Study	2012-2014
Chaunetta Jones	Health Behavior	Academic Advisor/Practicum Preceptor/Research Assistantship	2011-2013
Turquoise Griffith	Health Behavior	Academic Advisor/Practicum Preceptor/Research Assistantship	2010-2012
Kate Thanel	Health Behavior	Research Practicum Advisor	2008-2010
Elena Strauss	Health Behavior	Academic Advisor/Research (Master's Paper) Advisor	2008-2009
Matthew Avery	Health Behavior	Research (Master's Paper) Advisor	2008-2009
Jessica Kadis	Health Behavior	Research Assistantship Supervision	2007-2008
Megan Kays	Health Behavior	Research (Master's Paper) Advisor	2007-2008
Michele Demers	Health Behavior	Academic Advisor/Research Assistantship Supervision	2007-2008
Tania Sarker	Health Behavior	Research (Master's Paper) Advisor	2006-2008
Eva Shaw	Health Care and Prevention	Research Advisor	2006-2007
LaToya White	Health Behavior	Research (Master's Paper) Advisor	2006-2007
Marcus Johnson	Health Behavior	Research (Master's Paper) Advisor	2005-2007
Josh Murphy	Health Behavior	Academic Advisor	2005-2007
Sasha Konowich	Health Behavior	Research (Master's Paper) Advisor	2005-2007
Danielle Haley	Health Behavior	Research (Master's Paper) Advisor	2005-2006
Deanna Kepka	Health Behavior	Research (Master's Paper) Advisor	2005-2006
Abby Zeveloff	Health Behavior	Research (Master's Paper) Advisor	2005-2006
Lauren Livingston	Health Care and Prevention	Research (Master's Paper) Advisor	2005-2006
Kelly Machovec	Health Care and Prevention	Research (Master's Paper) Advisor	2005-2006
Laura Sally	Health Behavior	Research (Master's Paper) Advisor	2004-2006
Cara Biddlecom	Health Behavior	Academic Advisor	2004-2006
Michelle Ramos	Health Behavior	Practicum Advisor	2005
Eiman Adulrahman	Health Care and Prevention	Research (Master's Paper) Advisor	2004-2005
Jill Kunkel	Health Behavior	Research (Master's Paper) Advisor	2003-2005
Nickie Sarris	Health Behavior	Academic Advisor/ Research (Master's Paper) Advisor	2003-2005
Catherine Aspden	Health Behavior	Research (Master's Paper) Advisor	2003-2005
Heather Keith	Health Behavior	Academic Advisor	2003-2005
Maureen Boland	Health Behavior	Academic Advisor/	2003-2005

		Research (Master's Paper) Advisor	
Lily Colver	Health Behavior	Academic Advisor/ Research Advisor	2003-2004
Jen Antilla	Health Behavior	Research (Master's Paper) Advisor	2002-2004
Rachel Shelton	Health Behavior	Research (Master's Paper) Advisor	2002-2004
Tasselie McKay	Health Behavior	Research Advisor	2002-2004
Jaimie Hunter	Health Behavior	Academic Advisor/Research Supervisor	2002-2004
Kisha Merchant	Health Behavior	Research Advisor	2002-2004
Rachel Blount	Health Behavior	Academic Advisor	2002-2004
Kristen Kovach	Health Behavior	Academic Advisor	2001-2003
Monica Adamian	Health Behavior	Research (Master's Paper) Advisor	2002
Elisa Rosseti	Health Behavior	Research (Master's Paper) Advisor	2002
Andy Day	Health Behavior	Research (Master's Paper) Advisor	2001-2002

Undergraduate Student Advising

Caitlin Biddell. Research Mentor during Research Assistanceship, 2013-2015.

Terence Johnson. Department of Health Policy and Management, UNC McNair Scholar, Primary Research Mentor for research practicum on anti-retroviral adherence and incarceration history, 2011-2013.

Grants

Active Grants

P30 AI50410

Swanstrom (PI)

08/01/16 - 07/31/21

NIH

UNC Center for AIDS Research Core G

This project funds the Social and Behavioral Sciences Research Core for the UNC Center for AIDS Research, which aims to facilitate collaborative social science research in the area of HIV.

Role: Core Director (18%) \$2,552,412

1R01AI122319 - 01

Kashuba (PI)

12/01/15-11/30/20

NIAID

This study seeks to develop and test the use of hair samples as a measure of antiretroviral adherence to be used as clinical monitoring tool to provide feedback to HIV-infected patients.

Role: Co-Investigator/Aim 3 Lead (10-20%)

AID-OAA-14-00045

Weir (PI)

02/01/14 - 01/31/19

USAID

Linkages Across the Continuum of HIV Services for Key Populations Affected by HIV (LINKAGES) Project Drawing upon the resources at the University of North Carolina (UNC) at Chapel Hill in the Gillings School of Global Public Health, the Institute of Global Health and Infectious Diseases (IGHID), and the Carolina Population Center (CPC), this project will convene teams comprised of epidemiologists, sociologists, economists, infectious disease clinicians and specialist in behavior change work together to not just improve public health theory and methods, but to address and solve problems in the real world.

Role: Co-I (1%) \$8,984,229.00

R34 MH104081 - 01

Golin (PI)

08/1/15 – 7/31/18

1.80 calendar mo.

Community Engagement to Enhance EBI Implementation in a Public Housing Community

This project will use community-based participatory research techniques to engage a broad range of community stakeholders in the design and implementation of study methods; Assess perceived community resources, needs, priorities, and mutable obstacles to implementation of HIV prevention programs, particularly RAPP, among DHA residents and DHA and CAARE program staff; create and test for feasibility, acceptability and preliminary efficacy, a program plan for implementation of RAPP among DHA housing residents that can be applied to implement HIV prevention programs in other small urban regions in the US South. If successful, our next step will be to test our approach more widely at multiple southern US sites in an R01 application.

Role: PI (15%) \$682,724

PCORI

Evon (Lead PI)

08/01/15 - 07/31/18

The Patient-Reported Outcomes Project of HCV-TARGET (PROP up TARGET)

This project is the combined effort of UNC researchers with complementary expertise in HCV treatment, PCOR, patient-reported outcomes, and medical decision making; a patient engagement group; and 8 U.S. liver centers to compare several key patient-centered outcomes (i.e., cure rates, side effects, functioning, out-of-pocket costs, impact on liver and pre-existing conditions) in patients undergoing HVC therapy and to develop and pilot-test a web-based, interactive HCV Treatment Decision Aid that provides personalized information about patient-centered outcomes based on individual characteristics.

Role: Co-PI (5-10%) \$2,405,179

K24 HD069204

Golin (PI)

09/17/13 - 05/31/18

NICHD

Mentoring Junior Investigators in Comprehensive HIV Prevention

This project funds Dr. Golin to provide mentoring to Junior faculty, post-doctoral trainees and students in the area of HIV prevention research and to expand her research to study the influence of structural factors on HIV intervention effectiveness and HIV spread.

Role: PI (50%) \$789,405

U01 AI-103390

Adimora (PI)

03/01/13 - 02/28/18

NIAID

Women's Interagency HIV Study (WIHS) Multi-site cohort of HIV- and HIV+ women in U.S.

To rapidly establish a UNC-WIHS cohort, contribute meaningfully to the national WIHS scientific program, and undertake an ambitious HIV research agenda that encompasses social epidemiology and health outcomes, advanced epidemiologic and biostatistical methods, pathogenesis, and molecular biology of cancer.

Role: Scientific Advisor

1R01AI116384

Rosen (PI)

09/01/14 – 08/31/17

NIAID

Assessing the HIV care cascade in a large southern prison system

In a large southern prison system, we will examine HIV-positive prisoners' engagement in healthcare and identify barriers to entering and maintaining care and achieving viral suppression. By understanding inmates' use of HIV care in prison, we may strengthen efforts to improve their health and reduce their risk for transmission during incarceration and after release.

Role: Co-Investigator (2.5-15%) \$250,000

1R01AI103661-01

Mugavero, subcontract PI Quinlivan

06/21/12 - 05/31/17

NIAID/NIH (University of Alabama award)

iENGAGE (integrating ENGagement and Adherence Goals upon Entry) This is a multi-site randomized controlled trial of a program to support patients in the year following initiation of HIV medical care to help them develop motivation and self-care skills to regularly attend HIV health care visits and take HIV medications in order to control HIV. UNC is one site.

Role: Co-Investigator (3-10%) \$85,092

Role: Co-Investigator (1%) \$1,279,453

R01MD008979

Rosen (PI)

09/30/14 - 03/30/17

NIMHD

Effectiveness and savings of a prison system-based Medicaid enrollment program

This project will examine the rate of Medicaid enrollment among NC state prisoners and identify prisoner characteristics associated with enrollment. We will also conduct interviews with prisoners and staff to determine barriers and facilitators to prisoners' Medicaid enrollment and estimate the effect of enrollment on prison system healthcare costs.

Role: Co-Investigator (2.5-10%) \$250,000

Pending Grants**No Number**

Golin (PI UNC Subcontract); Widman (PI Primary NCSU grant)

RFP-2017 Adolescent Medicine Trials Network (ATN)

05/01/17-5/31/21

2.4 calendar year

Effectiveness Trial of eHealth HIV/STI Risk Reduction Intervention for Adolescents

This is a randomized controlled trial of an eHealth program designed to reduce adolescents' HIV/STI risk behavior through interactive activities that include a focus on teaching sexual communication skills. This study would utilize the infrastructure of the Adolescent Medicine Trials Network for HIV/AIDS interventions (ATN), including analytic cores and multiple sites from their existing infrastructure.

Role: PI, UNC Subcontract

Completed Grants

R01 DA030793

Wohl, Golin (Co-PI)

07/1/15-06/30/16

0.6 calendar

RCT of an Augmented Test, Treat, Link and Retain Model for NC and Texas Prisoners

This is a randomized controlled trial of a program designed to enhance adherence and linkage to care for newly released HIV-infected prisoners by targeting multiple levels to sustain HIV suppression after release.

Role: Co-PI \$146,143

R01 DA030793

Golin, Wohl (Co-PIs)

09/30/10 - 09/29/15

NIDA

RCT of an Augmented Test, Treat, Link and Retain Model for NC and Texas Prisoners

This is a randomized controlled trial of a program designed to enhance adherence and linkage to care for newly released HIV-infected prisoners by targeting multiple levels to sustain HIV suppression after release.

Role: Co-I, (20%) \$8,940,502

1R01DA028766-01A1

Khan (PI)

08/10/10 - 07/31/15

NIH (University of Florida award)

Relationship Disruption during incarceration and HIV risk in African American Men

The subcontract to UNC will be responsible for providing onsite supervision of the research staff and works closely with Dr. Khan to implement all aspects of the proposed work.

Role: Co-Investigator (5-10%) \$2,124,676

1P01 HS021133-01

Harris (PI)

09/30/11 - 09/29/14

AHRQ

UNC Research Center for Excellence in Clinical Preventive Services

Sometimes clinical preventive services such as screening for cancers or heart disease are used in situations that could harm rather than help the patient. This project establishes a center to help physicians and researchers better understand this fact, and to lead a research program that would help us learn more how we might improve decision-making about the use of these potentially harmful services.

Role: Co-Investigator (15-20%) \$1,116,517

A13-1320-001

Golin (LI)

06/01/13 - 05/31/14

Family Health International

This is a training project for the HPTN Scholars Program. The PI will perform mentored research on two scholars' projects: 1) Tests the longitudinal relationship between self-reported acquisition of sexually transmitted infections and future perceptions of sexual partners' riskiness and sexual behavior; 2) Assessing the HIV risk behaviors of sexual minority women among a large cohort of African American women.

Role: Lead Investigator/Mentor (no salary compensation) \$130,000

1 R24 HD056670-01

Henderson (PI)

09/30/07 - 07/31/13

NHI NICHD

Partnership for Social Science Research on HIV/AIDS in China

This project creates an efficient and sustainable model of collaboration between social scientists and public health/medical researchers at the China CDC National Center for AIDS Prevention and Control, and the Nanjing National Center for STD Prevention and Control by developing: 1) a training program to improve capacity to conduct research on sexual transmission of HIV; 2) a mechanism to fund collaborative research on sexuality and sexual transmission of HIV, focusing on hard-to-reach sex workers/clients; and 3) a China Social Science and HIV Prevention Network that will extend beyond the initial collaborating partners.

Role: Co-Investigator (5%) \$1,983,448

R01 AI083059

Miller (PI)

08/01/09 - 07/31/13

NIAID

Acute HIV infection – A key link for transmission prevention

This project is to conduct an exploratory study, coupled with mathematical modeling, to treatment in persons with AHI.

Role: Co-Investigator (10%) \$3,411,688

R01 MH078773-02

Golin (PI)

07/01/07 - 06/30/13

NIMH

Multi-site Antiretroviral Adherence Collaboration

This multi-site collaboration study analyzes the virologic, adherence and clinical outcomes data of 3000 HIV-infected individual from 15 studies at 14 different institutions to describe the full range of adherence behaviors and patterns and to assess their association with virologic and clinical outcomes.

Role: PI (0.08%) \$95,223

HPTN 064

Golin (Site PI) Eron (CTU PI)

07/01/08 - 07/31/12

NIH

The Women's HIV SeroIncidence Study (ISIS)

Multi-site study to estimate the overall HIV-1 incidence rate among 2,000 women in the US from defined geographic areas with high HIV prevalence and poverty.

Role: Site PI (30%) \$174,837

R21 MH079725

Golin (PI)

09/19/08 - 06/30/12

NIMH

Social Networks and HIV-Infected Former Prison Inmates

This study will be a preliminary assessment of the utility of a biomarker for social network involvement by HIV-infected former inmates.

Role: PI (5%) \$250,000

2-312-0210837 [Mod. 6]

Carey (PI)

02/11/11 - 06/30/12

RTI

Closing the Quality Gap: Medication Adherence review

The RTI/UNC-CH Evidence-based Practice Center will develop the topic protocol and conduct a systematic review of the existing literature on quality improvement strategies for medication adherence as part of the Agency for Healthcare Research and Quality's "Closing the Quality Gap Series" on Revisiting the State of the Science.

Role: Task PI (10-20%) \$59,801

R01-MH079720-01A1

Wohl (PI)

09/19/07 - 07/31/11

NIH/NIMH

Seroprevalence and Incarceration and HIV-Infected Inmates

In a collaborative effort between researchers at the UNC Schools of Medicine and Public Health and officials at the NC Department of Corrections (NCDOC) and the North Carolina Department of Health and Human Services (NCDHHS), we will perform a comprehensive assessment of the barriers and facilitators of HIV testing in a large state prison system.

Role: Co-Investigator (15%) \$1,409,572

R01 MH069989-01A2

Golin (PI)

09/01/07 - 08/31/10

Supplement R Collaborative US-India Projects

NIMH

Formative Study of HIV Prevention Needs of HIV-infected persons in Gujarat, India

This study seeks to assess the needs of HIV-infected persons in Gujarat with regard to practicing safer sex and to explore the applicability of aspects of the SAFETALK for use among people living with HIV in Gujarat, India.

Role: Principal Investigator (15%) \$85,000

R01 MH069989-01A2

Golin (PI)

08/01/05 - 07/31/10

NIMH

Promoting Safer Behavior among HIV-infected Viremic Patients.

This is a randomized controlled trial of a motivational interviewing-based intervention to enhance safer sexual behaviors of people living with HIV compared with those receiving a nutritional program.

Role: Principal Investigator (38%) \$1,800,452

5 H97HA03789-02

Leone (PI)

09/01/04 - 08/31/09

HIV Outreach

Linkage and Retention in Care for Young Men who have Sex with Men (MSM) of Color Supplement We are attempting to identify seropositive young MSM of color attending college in the Raleigh-Durham Metropolitan area by combining outreach and a social marketing campaign. We are attempting to enroll and retain identified HIV-infected students in care.

Role: Co-Investigator (5%) \$50,000

HA01289

Quinlivan (PI)

09/30/03 – 09/29/08

DHHS/HRSA/HAV

The UNC HIV Prevention Demonstration Project

This demonstration project is to develop an HIV prevention with positives program that includes a web-based tool and specialist delivered counseling.

Role: Co-Investigator, Evaluator, Interventionist (25% year 2; 10% years 3 & 4) \$205,000

DA017501

Wohl (PI)

09/30/03 – 05/29/08

NIH/NIDA

HIV-Positive Prison Releasees Access to HIV Care and Services.

This randomized, controlled trial seeks to assess the impact of a strengths-based bridging case management program on access to HIV Care and services for HIV-infected inmates at the time of release from prison.

Role: Co-Investigator (10% years 2 & 3) \$1,682,347

No number

Wohl (PI)

05/09/03 – 05/08/07

Abbot Pharmaceuticals (AAQD Study)

An Investigator-Initiated Study of the Pharmacokinetics, Safety and Efficacy of a Potent Once Daily Combination Antiretroviral Regimen in African-American Men and Women

This study assessed, among African American Men and Women, the impact of Once a Day Dosing of ART on Adherence levels, pharmacokinetics, and health outcomes.

Role: Co-Investigator (10%) \$50,000

200-2003-02721

Quinlivan (PI)

09/12/03 – 06/30/06

CDC Contract

Implementation of IDSA/CDC Guidelines for HIV Prevention Interventions at HIV Outpatient Clinics.

This study evaluated the implementation of CDC guidelines for provider-delivered prevention.

Role: Co-Investigator, Evaluator, Interventionist (25% through 8/1/05 then 5% thereafter) \$382,953

No number

McCormack (PI)

09/30/02 – 10/01/05

CDC

Promoting Informed Decision Making for Prostate Cancer Screening:

This project developed and tested community level interventions to enhance shared decision making for PSA screening.

Role: Co-Investigator (20% year 3- 8/1/03 then 5%) \$2, 250,000

K23 MH/NRO1862

Golin (PI)

12/01/99 – 11/30/04

NIH/NIMH

Adherence to Antiretroviral Therapy: A Randomized Controlled Trial

This study tested, using a randomized controlled trial, a multidimensional behavioral intervention to improve adherence to antiretroviral therapy by enhancing patient participation in medical decision-making.

Role: Principal Investigator (75%) \$725,195

No number

Golin (PI)

05/01/01 – 04/30/03

Society of General Internal Medicine

Qualitative Assessment of Motivational Enhancement Therapy Sessions (MET) to Improve Adherence to Antiretroviral Therapy (ART)

This study conducted a secondary content analysis of 50 randomly selected audiotaped motivational interviewing sessions that had been collected in the PACT study.

Role: PI (*Note: this activity fell under the umbrella of the K23 Career Development Award ie. 0% additional effort) \$5,000

No number

Kaplan (PI)

04/01/02 – 04/01/03

North Carolina Department of Health and Human Services, AIDS Care Branch.

Medication Adherence in the HIV Population

This contract evaluated four “best-care practice” model programs to address adherence to ART, one case manager-based, one pharmacist-based, one clinic-based, and a home health nurse program.

Role: Co-Investigator \$142,715

No number

Golin (PI)

07/01/99 – 07/01/01

UNC Center for AIDS Research (CFAR)

Antiretroviral Adherence Counseling in the NC AIDS Drug Assistance Program

The major goals of this study were to assess provider barriers and provider perceptions of patient barriers regarding access to and adherence to antiretroviral therapy in North Carolina. This study conducted a survey of provider (physicians, pharmacists, and case managers) knowledge, attitudes, practices and barriers to providing services.

Role: Principal Investigator (*Note: this activity fell under the umbrella of the K23 Career Development Award ie. 0% additional effort) \$20,000

No Number

Golin (PI)

09/01/00 – 09/30/00

Glaxo-Wellcome Foundation Program on Health Outcomes Developmental Grant

HIV-infected Patients' Preferences for Participating in Medical Decision-Making Regarding Antiretroviral Therapy Initiation and Use: A Pilot Study

This study sought to produce and assess a pilot audiotape and booklet designed to enhance HIV patients' participation in medical decision-making regarding ART

Role: Principal Investigator (*Note: this activity fell under the umbrella of the K23 Career Development Award ie. 0% additional effort) \$11,000

AI41413-01A1

Kaplan (PI) (UCLA)

08/1997 – 08/2000

Effects of Adherence on Development of Protease Inhibitor Resistance

This was an observational cohort study of HIV-infected persons naïve to protease inhibitors to assess their adherence to HAART and its predictors and clinical factors associated with suboptimal adherence.

Role: Co-Investigator (25%) \$725,000

No Number

Golin (PI)

12/01/98 – 12/01/99

UNC Center for AIDS Research (CFAR) Developmental Funds, UNC

A Pilot Study to Identify Barriers to Adherence to Antiretroviral Therapy (ART) at Two Clinics in North Carolina

This study used six sets of focus groups to assess barriers and facilitators to taking ART among patients receiving care for HIV at two North Carolina Clinics.

Role: Principal Investigator (*Note: this activity fell under the umbrella of the Cecil G. Sheps Center Post-doctoral Award ie. 0% additional effort) \$4,000

No Number

Golin (PI)

08/01/96 – 08/01/99

Bayer Institute for Health Care Communication (UCLA)

An Interactional Analysis System to Assess Patient Involvement in Medical Decision

Making: Development and Application to Patients with Type II Diabetes Mellitus

The major goals of this project are to develop a coding scheme to evaluate patient participation in medical decision making among indigent diabetic patients attending a medical provider visit and use this coding scheme to measure patient participation among 150 audiotapes of patient provider interactions from a clinic in Southern California.

Role: Principal Investigator (*Note: this activity fell under the umbrella of the Primary Care Fellowship Award ie. 0% additional effort) \$19,936

No Number

Golin (Co-PI)

07/01/96 – 07/01/98

UC-Wide AIDS Task Force Center Grant

Title: Adherence Core Facility

Description: These funds provided money to develop an AIDS adherence core, specifically to support the development and testing of self-reported instruments to assess adherence to antiretroviral medications and its barriers and facilitators.

Role: Co-Investigator (20%) \$180,000

No Number

Shapiro (PI)

12/01/96 – 12/31/96

AHCPR, (UCLA)

HIV Cost and Services Utilization Study (HCSUS) Antiretroviral Use Team

This collaborative team developed measures for and conducted analysis for the HCSUS project related to antiretroviral use and adherence.

Role: Collaborator: (*Note: this activity fell under the umbrella of the Primary Care Fellowship Award, i.e., 0% additional effort).

Professional Service

To Discipline

- 2015-present **Member**, DSMB of Substance Abuse Treatment to HIV care (SAT₂HIV) Project (R01-DA038146), an implementation science study of a Motivational Interviewing Intervention for Substance Abuse and HIV conducted by new RTI Investigator, Bryan Garner.
- 2014-2017 **Co-chair**, NIDA STTR Harmonization Initiative Adherence Working Group
- 2014-present **Member**, Advisory Board, US Military HIV Research Program Thai Study
- 2012-present **Member**, HIV Prevention Trials Network (HPTN) Scholars Program Advisors Committee
- 2012-present **Member**, UNC Center for AIDS Research Collaboration for HIV in Corrections (CFAR-CHIC), UNC Center for AIDS Research
- 2011-present **Member**, External Advisory Board, University of Alabama at Birmingham, Center for AIDS Research
- 2011-present **Member**, HIV Prevention Trials Network (HPTN) o63 Study Monitoring Committee
- 2010-present **Member**, Expert panel, Family Planning Counseling Aid (FPCA) project, RTI International
- 2007-present **Member**, Domestic Prevention Women's Group, HIV Prevention Trials Network
- 2004-present **Member**, Publications and Dissemination Committee, Special Project of National Significance Prevention for Positives Project, UNC Health Behavior and Health Education, UNC-Chapel Hill
- July 2016 **Member**, External Advisory Board, Center for AIDS Research of the University of Rochester School of Medicine, Rochester, NY.
- Fall 2015 **Participant**, NIH-sponsored invited meeting, "Optimization of Adherence Counseling, Facilitation and Measurement in Microbicides Studies after VOICE."
- 2011 - 2012 **Co-chair**, 2012 Social and Behavioral Science Research Network CFAR National Conference
- 2010 - 2011 **Medical Director**, Annual HIV and Women of Color Conference

Within UNC-Chapel Hill

- 2015-2016 **Member**, Search Committee for Dean of UNC School of Social Work
- 2014-2016 **Member**, UNC Gillings School of Global Public Health's Global MPH Task Force
- 2014-2016 **Member**, Sheps Center for Health Services Research, Research Proposal Protocol Advisory Work Group
- 2001-present **Member**, Awards Committee, Health Behavior and Health Education, UNC-Chapel Hill
- 2000-present **Member**, Risk Communication Workgroup, UNC-Chapel Hill
- 1999-present **Member**, UNC Center for AIDS Research Scientific Prison Working Group/Criminal Justice Workgroup

- Dec 2015 **Chair**, Health Behavior Mentoring Committee
- 2005 – 2009 **Member**, Research and Grant Funding Committee, Department of Health Behavior and Health Education, UNC School of Public Health, UNC-Chapel Hill
- 1999 - 2005 **Co-Chair**, HIV Adherence Work Group, UNC Center for AIDS Research, UNC-Chapel Hill
- 1998 - 1999 **Chair**, Faculty Working Group on Patient-Practitioner Communication, UNC Odum Institute for Research in the Social Sciences, UNC-Chapel Hill
- 1998 - 1999 **Research Fellow**, UNC Cecil G. Sheps Center for Health Services Research

Other

- 2014-present **Reviewer**, NIAID U01, ZAI-VV-M(J1) Study Section
- 2013-present **Reviewer**, AARR, NIH BSCH Study Section
- 2004-present **Ad Hoc Reviewer** for National Institute on Drug Abuse (NIDA) study sections
- 2010 - 2011 **Member**, Special Emphasis Panel (NIH/CSR) Ad Hoc Reviewer for National Institute on Drug Abuse (NIDA) study sections
- June 2006 **Reviewer** for ad Hoc CDC Special Emphasis panel HIV prevention studies for RFA –PS06-006
- March 2006 **Member**, NIH Special Emphasis Panel R34 proposals to adapt HIV adherence programs to other chronic illness.
- 1996 - 1998 **Member**, Curriculum Committee, Robert Wood Johnson UCLA Clinical Scholars Program

Reviewer - Journals

- JAMA
- Plos One
- Annals of Internal Medicine
- Journal of General Internal Medicine
- Journal of the Poor and Underserved
- AIDS Care
- JAIDS
- Patient Education and Counseling
- International Journal of STD & AIDS
- Journal of Health Care for the Poor and Underserved

Professional Affiliations

- International Association of Physicians in AIDS Care (IAPAC)
- Society for General Internal Medicine (SGIM); SGIM HIV Interest Group
- American Academy on Physician and Patient
- American Public Health Association
- Association for Psychosocial Research
- Motivational Interviewing Network Training

Research Statement

Research is my primary area of emphasis. In this statement, I summarize my research career to date and my future goals. I note linkages across studies that provide for a coherent program of research, including some of those that exist between my own investigations and those of my mentees, early career award recipients whom I mentor as part of my mid-career K24 mentoring award. I also describe the impact of my research on medicine, public health and science. This statement ends with a brief description of my service.

Overview. An Institute of Medicine (IOM) report has identified an alarming discontinuity between existing treatment and prevention success rates and those believed to be achievable (*Priority Areas for National Action: Transforming Health Care Quality*. Summary of Institute of Medicine report. Agency for Healthcare Research and Quality. Rockville, MD: January 2003; Health Professions Education: A Bridge to Quality, Institute of Medicine, Ann C. Greiner, Elisa Knebel, Eds. 2003; Osterberg L, Blaschke T. *Adherence to medication*. *N Engl J Med*. 2005, Aug 4;353(5):487-497.) This discrepancy has been ascribed partly to patients' suboptimal adherence to medical recommendations and partly to providers' insufficient adherence to evidence-based practice guidelines (Health Professions Education: A Bridge to Quality, Greiner, Knebel, Eds. 2003; Osterberg, Blaschke. *Adherence to medication*. *N Engl J Med*. 2005, Aug 4;353(5):487-497). My research examines ways to bridge this gap between efficacy and effectiveness. Broadly, I seek to identify strategies to improve health processes at individual, institutional, and community levels that ultimately affect health outcomes. Specifically, I have conducted observational and intervention studies of both patient and provider adherence to recommendations. HIV/AIDS, Hepatitis C, diabetes, and cancer have been the disease areas on which I have focused. Within these disease and population foci, issues that interest me related to *patient adherence to medical recommendations* include adhering to medications, behavioral recommendations, and involvement in care. Issues related to *provider adherence to guidelines* that interest me include counseling skills development and guideline dissemination.

Patient Adherence to Medical Recommendations. I have been interested in understanding patterns of patient adherence, factors that affect adherence, and health effects of poor adherence to medical recommendations. My interest in studying adherence to medical recommendations grew out of clinical experiences I had as a medical resident at UNC Hospitals and in the Venice Free Clinic as a UCLA Robert Wood Johnson Clinical Scholar. As a clinician, I became acutely aware of the substantial barriers to treatment that many of my patients faced and the resultant considerable negative physical effects they suffered. Based on these experiences, I saw health services research of patient adherence as a way to bridge clinical medicine and public health. By applying public health research principles to clinical settings, I could understand one way to make already efficacious treatments more effective in real world settings. My work is grounded in a polytheoretical model that I developed as a research fellow (Golin, DiMatteo & Gelberg, 1996) and later refined (Golin, et al., 2002; Adamian, Golin et al., 2004) which provides a socio-ecological perspective to understand health-related behavior. Studying adherence has also afforded me the opportunity to augment rigorous quantitative methods with in-depth qualitative assessments of care processes to understand aspects of our interventions having the most impact on outcomes (Sankar, Golin, et al., 2006; Thrasher, Golin et. al., 2006; Golin et al., 2010).

Adherence to Chronic Medication Regimens. Although significant advances in pharmacologic management of chronic illness, such as diabetes, HIV, and Hepatitis C have been achieved, in the face of inadequate adherence, these diseases cause significant morbidity and mortality, reduce quality of life, and increase health care costs (Osterberg & Blaschke. 2005, Aug 4;353(5):487-497). Despite these consequences, many barriers exist and patients often do not take medications as recommended (Williams SL, Haskard KB, DiMatteo MR. The therapeutic effects of the physician-older patient relationship: Effective communication with vulnerable older patients. *Clin Interv Aging*. 2007 September; 2(3): 453-467).

The World Health Organization has identified this phenomenon as a clear threat to the health of the U.S. population and *an important contributor to health disparities of economically disadvantaged groups* (The World Health Report 2003 – shaping the future. WHO 2003). In the late 1990's, the question of medication adherence was particularly salient for HIV-infected patients; studies had demonstrated, for the first time, that new combination antiretroviral therapy (ART) dramatically reduced levels of virus in patients' blood, which reduced morbidity and mortality. However, no one had studied patients' adherence to combination ART or its effects on clinical outcomes before widely disseminating these drugs. Several biologic facts suggested that HIV might be highly susceptible to developing resistance to ART in the face of suboptimal adherence. Such resistance could render these "miracle drugs" virtually ineffective.

To examine these crucial emerging issues among patients with HIV, while completing my fellow's project on adherence in diabetes care, I managed one of the first Ro1-funded cohort studies of HIV-infected patients' daily adherence to combination ART. My collaborators and I, using electronic pill bottle monitors to intensively measure year-long, daily adherence, characterized the interaction between psychosocial factors, ART adherence, and virologic outcomes (Golin, Lui, et al, 2002; Liu, Golin et al, 2001; Miller, Golin et al, 2002; Miller, Golin, 2004). We were one of the first to document that patients on ART had higher levels of adherence than those with other chronic illness. We showed, however, that minimally suboptimal ART adherence led to virologic failure (Liu, Golin, et al, 2001). I identified several salient barriers to medication adherence in both diabetes and HIV treatment, such as negative health beliefs, poor regimen knowledge, regimen complexity and side effects, lack of social support or self-efficacy, depression, and substance abuse (Golin et al., 2001; Golin et al, 2002; Miller, Liu, Hays, Golin et al., 2003; Ammasari et al, 2002; Golin et al, 2002; Jhang, Martin, Golin et al, 2005). National population-based studies also illuminated barriers to ART use, including lack of health insurance (Cunningham, Markson, Andersen, Crystal, Fleishman, Golin et al, 2000). Together, these studies suggested the urgent need for interventions to improve ART adherence by addressing multiple barriers.

Based on these earlier findings, I have conducted several randomized, controlled trials (RCTs) of adherence interventions. First, I developed the Participating and Communicating Together (PACT) intervention to improve ART adherence and tested it in a 150-person RCT funded by my K23. The focus of PACT, to improve ART adherence by enhancing patient participation in decision-making, extended my previous theoretical work. PACT combined audiovisual materials with motivational interviewing (MI) (Adamian, Golin et al, 2004) and increased the odds of medication adherence 2.7 times, after controlling for demographic differences in treatment groups (Golin et al, 2006). I conducted in-depth qualitative conversation analyses of the counseling sessions, with one of my mentees. This work is one of the first and only studies to link specific MI counseling skills to changes in behavior (Thrasher, Golin et al., 2006).

I also conducted a series of studies of ART adherence in incarcerated populations in North Carolina (Rosen, Golin et al., 2004; Stephenson, Wohl, Golin et al., 2005; Wohl, Stephenson, Golin et al., 2003; Wohl et al., 20xx; Haley, Golin, et al., 2014), which led to a randomized trial of directly observed therapy in the state prison system (White et al., 2015). Based on this early work, as a consultant to the NC DHHS, I provided policy recommendations regarding ART adherence and obtained a contract with the NC DHHS to evaluate four models of ART adherence enhancement (Shelton, Golin et al., 2006). My expertise, in measurement of adherence (Liu, Golin et al., 2001; 2002; 2006; Genberg et al., abstract, 2011; Liu et al., 2013; Simoni et al., 2014; Peterson et al., 2015) and its predictors, is sought after via many invitations to speak and consult on this topic, including in international settings (Fetzer, et al., 2011; Rutstein, Golin et al., 2016), at an invited NIMH-sponsored closed national meeting to address the scientific and ethical challenges regarding nonadherence to Pre-Exposure Prophylaxis with ART, and as Co-Chair of the NIDA STTR Adherence Committee (Nance, Golin, et al., 2016 Under Review). With a recently funded innovative Ro1, I am expanding this capacity to understanding several aspects of hair sample-based measurement of ART adherence.

I have also been interested in investigating, in a more nuanced manner, features of interventions that maximize their impact cost-effectively, looking beyond individual health impact to understand effects of adherence on communities and epidemics. Recent meta-analyses have shown that over a dozen different interventions enhance ART adherence but little is known about which aspects are most impactful. I sought to answer these questions in four main studies. First, I was PI of the UNC site on the Ro1-funded multi-site MACH14 study, an exciting project in which we combined ART adherence data from 14 sites to conduct powerful analyses to better understand the measurement, predictors and health effects of many aspects of ART adherence and interventions. I was also the UNC PI for two evidence-based practice center systematic reviews: one of non-HIV medication adherence interventions (Viswanathan, Golin, et al., 2012; Kahwati et al., 2016 Under Review) and another of Medication Therapy Management programs (Viswanathan, Kahwati, Golin, et al., 2014, Viswanathan, Kahwati, Golin, et al., 2015). Third, I worked with Dr. Donna Evon, as primary mentor on her K23, to help her develop and test an intervention to support adherence to new, more efficacious regimens for patients with hepatitis C (Evon, et al., 2011; Evon, Golin et al., 2015) and to assist her to garner a large PCORI-funded multi-site study of HCV Patient-Reported Outcomes. Finally, I am Co-PI on a NIDA-funded Ro1 multi-site RCT that we have just completed of approximately 400 HIV-infected prisoners awaiting imminent release from prison, testing impACT, an intervention adapted from PACT to help inmates maintain viral suppression after release (Dennis, Golin, et al., 2015, Sidibe, Golin et al., 2015, Carda-Auten, Golin et al., abstract 2014). Recent scientific discoveries made in several HIV prevention trials have made it clear that treatment of HIV-infected individuals with ART has a crucial role to play in HIV prevention (Cohen MS, Chen YQ, McCauley M, Gamble T, et al. Prevention of HIV-1 infection with early antiretroviral therapy. N Engl J Med. 2011, Aug 11;365(6):493-505). In the impACT trial, we have been testing an intervention to prevent HIV spread to communities to which prisoners return by enhancing their access and adherence to HIV care. I am leading, as part of my K24, a cost-effectiveness analysis of impACT with several of my mentees. I am also applying lessons learned from our impACT study to assist mentee Michael Herce to conduct a Ko1-funded ART adherence and alcohol abuse intervention for released HIV+ prisoners in Zambia.

Adherence to Behavioral Recommendations. As ART use became widespread, HIV-infected individuals were living longer and feeling better. In 2003, in response to data demonstrating that about a third of people living with HIV continued to engage in behaviors that could transmit HIV, such as unprotected sex, the Institute of Medicine issued a report recommending delivery of HIV transmission risk reduction programs in clinical settings for people living with HIV. At that time, however, little was known about sexual practices of people living with HIV. Questions about what interventions could enhance their safer sex practices were unanswered. These questions provided the opportunity to adapt approaches I had used in studies of clinic-based ART adherence interventions to develop and test safer sex programs for people living with HIV. These interests led to an exciting series of trials in which I have developed and tested different novel clinic-based “prevention with positives” interventions (Golin et al, 2007; Golin et al 2011) for their impact on adherence to recommended safer sex practices. As in my medication studies, I conducted additional analyses to illuminate aspects of interventions that played a prominent role in their impact. For example, in SafeTalk, a 490-person multi-site study of an MI-based safer sex program for HIV-positive patients, not only did the intervention reduce the average number of transmission sex acts by 87% at 8 months follow-up compared with controls, but also as the MI dose increased, participants’ sexual risk behavior decreased and this dose effect was mediated by self-efficacy to practice safer sex (Chariyeva, Golin et al., 2011). We also, more recently, used conversation analyses to identify the counseling skills that most predicted greater improvements in behavior (Grodensky, Golin et al., abstract 2011). These findings are highly significant because they can be applied to development of other MI interventions in other settings.

My studies of adherence to recommended ART regimens and safer sex practices led to my being offered the Directorship of the Social and Behavioral Sciences Core of the UNC Center for AIDS Research in 2006. As Core Director, I provide an infrastructure for collaborative multi-disciplinary HIV research between

biomedical, clinical and social scientists to reduce HIV spread. I impart leadership, mentor many junior faculty and trainees, and give consultation to faculty and students in proposal development and implementation. With my staff, I have substantially expanded the size and scope of the core, initiating a number of new core-delivered activities and services, including an online database of HIV-related survey tools, an online faculty networking directory, intervention development and motivational interviewing workshops, survey design, adherence measurement and audio computer-assisted self interview programming. I have found this role to be particularly rewarding because it allows me to apply the expertise I have developed to a far-reaching set of research activities at UNC, RTI, FHI360 and outside of North Carolina. Most recently, my core received an impact score of 11, for our competitive renewal, which will begin a new five year cycle August 2016. In the new cycle, I have planned to enhance our capacity in acceptability research, community engagement and implementation science. As a part of our growing capacity in conducting acceptability research, I have just begun a new, highly innovative Ro1 collaboration with PI School of Pharmacy Professor Angela Kashuba, to assess the acceptability of a new provider-delivered ART therapeutic monitoring and counseling tool, using hair samples to measure longitudinal ART adherence in real time during a doctor's visit. To enhance implementation science and community engagement capacity, I was Co-PI on an pilot study to adapt my SafeTalk safer sex intervention for Peer Delivery (Allcock, Golin et al., in Press, 2016) to enhance its capacity to be disseminated cost-effectively and am PI on an Implementation Science R34 to develop and test an Implementation Program for delivering a evidence-based Social and Behavioral HIV Prevention program for women living in public housing in Durham, NC, using community-based participatory research methods. I am also working closely with two K99/Roo mentees, one of whom, Laura Widman, is developing and testing a website-based safer sex sexual communication intervention for teen girls in Lee County NC and the second, Nora Rosenberg, is conducting a trial of a couples counseling intervention for pregnant HIV+ women in Malawi.

Patient Participation in Medical Decision-Making. For many medical conditions, insufficient evidence exists to indicate one best course of action for all patients with the condition. In such “preference-sensitive” situations, shared decision making (SDM) between patient and provider is recommended. SDM has been shown to improve patient adherence to the chosen treatment as well as other outcomes. Knowledge of how best to facilitate SDM is growing but still imperfect. To answer this question, I have worked on several exciting medical decision making projects related to cancer screening. First, in collaboration with RTI, on a CDC-funded project, we showed that both a community-based and practice-based intervention to enhance men’s decision-making about PSA testing improved their knowledge, desire to be involved in the decision, and intent to screen (Golin et al.2006; Discoll, Golin et al., 2008). These findings contributed to a growing body of research showing that values clarification is an important aspect of shared decision making. These earlier studies informed others I conducted with Dr. Carmen Lewis, as her primary K23 mentor, to understand, develop and test tools to help elderly adults decide whether to be screened for colon cancer (Lewis, Golin, et al., 2009; Lewis, Golin et al., 2010; Lewis et al., 2013; Dalton 2015; Murphy 2015). The decision aid we developed increased the proportion of participants with adequate knowledge (4% to 52%) and who felt prepared to make an individualized decision (4% to 41%). Based on these results, with UNC collaborators, we garnered a Po1 Center of Excellence for Cancer Screening Decision Support (Harris, et al.,2014), which included conducting both a large, recently completed multi-practice RCT to disseminate and test this decision tool (Lewis et al., abstract, 2014) and another trial of the effects of different presentations of benefits and harms on individual’s decisions (Sheridan et al., 2016).

Provider Adherence to Practice Guidelines. My interest in improving the gap between efficacy and effectiveness led me beyond patient adherence, to also seek to understand the barriers providers face to implementing evidence-based practice guidelines. In particular, I have studied this question for four sets of guidelines, those that recommend that providers: 1) address medication adherence with patients; 2) counsel HIV-infected patients about safer sex; 3) conduct HIV testing among all patients; and 4) use shared decision making for preference sensitive medical decisions. As medication adherence became more

recognized for its important impact on health care quality, treatment guidelines often included recommendations for providers to address adherence. I conducted the first investigation of adherence counseling practices in HIV/AIDS, a statewide survey of physicians, pharmacists and case managers to assess their knowledge of antiretroviral treatment guidelines, particularly adherence counseling practices (Golin CE, Smith S, Reif S, 2004). After controlling for amount of reimbursement, time, office space, and HIV/AIDS experience, physicians were more likely to perform adherence counseling if they felt more adequately skilled and had more positive attitudes toward ART. These findings suggested that informational, skill-based, and motivational training was needed to facilitate implementation of such guidelines. Hence, when in 2003, guidelines were released recommending physicians perform HIV prevention counseling with their HIV-positive patients, we conducted a six-city study of Positive Steps, a program we designed by combining physician education and skills-building with a visit-based prompt. Positive Steps improved implementation of these guidelines as well as patient sexual behavior among over 1,000 patients at seven clinics (Thrun et al. 2009; Gardener et al, 2008; Patel et al., 2009, Golin et al 2008). Most recently, I am working with Dr. Becky White, as her primary K23 mentor, to help her develop and test a web-based tool to enhance primary care physicians' adherence to new guidelines recommending they screen their patients for HIV and HCV (White et al., 2015).

Planned Research/Future Research Goals. In the coming years, I plan to continue my broad-based research to improve health care quality for people with chronic illness. I expect to extend my research in three important ways. First, I plan to integrate and scale up my interventions for adherence to ART and safer sex recommendations in response to recent evidence for beneficial effects of HIV treatment as prevention. In my R34, I am adapting an evidence-based HIV prevention intervention for use with women living in public housing communities. In our recently funded Ro1, we will develop a provider-delivered adherence and treatment as prevention counseling tool based on hair sample adherence feedback. I am also creating a scalable medication/safer sex adherence program that integrates features of PACT, SafeTalk and imPACT for delivery via mobile technology. Our imPACT program, which used mobile phone short messages (SMS) and phone-based counseling, was our first step to using mobile technology to reduce HIV spread (Muiruri R et al., abstract 2014). My collaboration with health economist Harsha Thirumurthy to assess the cost-effectiveness of imPACT will facilitate our understanding of the optimal delivery of SMS.

Second, I have specific plans to apply my studies of HIV adherence to other chronic illness. Having expanded into the arena of hepatitis C treatment and testing in collaboration with Drs. Evon and White (described above), in the AHRQ-funded systematic review that assessed the differential impact of specific intervention features on adherence to non-HIV chronic illness, I have recently, as a mentor for, early career award recipient Dr. Stephanie Wheeler, helped to develop and test an intervention to improve adherence to endocrine therapy for breast cancer patients, by adapting PACT. Exciting new continuous oral adjuvant endocrine therapy can reduce hormone positive breast cancer recurrence at 5 years by 40% but recent studies suggest that adherence to this therapy is far from optimal (McCowan C, Shearer J, Donnan PT, et al. Cohort study examining tamoxifen adherence and its relationship to mortality in women with breast cancer. *Br J Cancer.* 2008;99:1763-1768). As not interventions to improve adherence to this efficacious therapy have been tested to date, Dr. Wheeler's work seeks to do so.

Finally, I seek to extend my work in decision making, colon cancer screening, and provider adherence to guidelines to develop tools to improve decision making about colon cancer screening among the elderly using a data analysis of cancer patient data to better predict life expectancy based on age, comorbidities and functional ability in a newly funded NCI Ro1.

Medical and Public Health Impact of Research. My research has informed the practice of improving health care quality as demonstrated in several ways. My first theoretical paper on the role of patient participation has been cited 296 times and provided a framework for understanding patient involvement in chronic care. Based on that framework, I developed PACT for patients with HIV. Since publication of

PACT, multiple investigators have sought my help to adapt it for other settings. For example, Dr. Brian Pence of Duke University invited me to collaborate on his multi-site randomized trial of adherence improvement through depression management. I adapted PACT for his study and trained his staff to administer it. Similarly, Dr. Michael Mugavero at University of Alabama, Birmingham asked me to consult on his iENGAGE program to adapt aspects of PACT for newly diagnosed HIV-positive patients in four US states. Given my expertise in using motivational interviewing for ART adherence, I was invited to give a workshop, attended by nearly 100 participants, on this topic at the 2008 International HIV Adherence Conference and for NC AHEC in 2014 and for the Society of Public Health Educators in a Webinar for over 100 attendees in 2016. In an earlier year at the HIV Adherence conference, I was invited to speak about adherence measurement. I was also an invited speaker at a National ART Adherence Think Tank convened at Yale, the proceedings of which were published in a supplement of the *J Acquir Immune Defic Syndr* 2004 and the 2015 NIMH-sponsored think tank meeting on Adherence to ART Pre-exposure Prophylaxis. Via the Social and Behavioral Instruments (SABI) database that my staff and I developed, we have received dozens of adherence consultations from across the country, including the Center for Disease Control (CDC). As a result of my work on the imPACT study, I was asked by NIDA to serve as Co-Chair of the Adherence Committee of their Seek, Test, Treat and Retain (STTR) harmonization initiative which pools data from 22 STTR studies (Nance, Golin et al., 2016 Under Review).

In 2009 and 2012 I was invited by the Evidence-based Practice Center of the Agency for Health Care Research and Quality to help lead systematic reviews of the efficacy of adherence interventions (Viswanathan, Golin, et al., 2012 (cited nearly 200 times); Viswanathan, Kahwati, Golin, et al., 2014; Kahwati et al., 2016 Under Review) Similarly, the collaborative efforts of the MACH14 study with which I have been involved have provided important information to the field of ART adherence research that would not have otherwise been available (Liu, Golin et al., 2001; 2002; 2006; Genberg et al., abstract, 2011; Rosen et al., 2013; Liu et al., 2013; Simoni et al., 2014; Remien et al., 2014; Peterson et al., 2015; Erlen et al., 2015).

As Director of the Social and Behavioral Sciences Research Core of the UNC Center for AIDS Research (CFAR) I have been actively involved in cross-institutional networks, including the R13-funded cross-CFAR Social and Behavioral Science Research Network (SBSRN). In 2013, I was invited to host the annual SBSRN national meeting in collaboration with Duke. We help planned a dynamic 3-day conference focused on *Addressing Social and Structural Determinants of the HIV Epidemic* with over that brought together 167 attendees from 18 CFARs and 21 other institutions and 29 speakers from across the country to work collaboratively to tackle cutting edge issues of the AIDS epidemic. I also cohosted the 2013 200-attendee eHealth Technology Symposium at UNC. We have developed a large Social and Behavioral Instruments Database of validated instruments that has been invited as a Cross-CFAR collaboration to be presented at the National Meeting with plans for sustainability through the SBSRN. I was invited to be a member of the Domestic Prevention Working Group of HIV Prevention Trials Network (HPTN) aimed at setting a domestic agenda for HPTN. This work led to an important thought paper about the HIV epidemic among US women published in the *J Acquir Immune Defic Syndr*. 2010 and a large HPTN study of women and HIV for which I served on the protocol committee and as site PI for two of the 10 sites and have been author on 11 papers (e.g. Golin et al., 2016 In Press; Roman-Isler, Golin et al., 2015; Kuo, Golin et al., 2014). Based on this work, I was invited to be the Medical Director of the Annual HIV and Women of Color conference in 2011, to speak at the HIV Prevention Academy in February of 2012 in Research Triangle Park, and to serve on the External Advisory Board of the UAB CFAR and garnered an R34 in 2015 to implement an evidence-based HIV prevention intervention for women living in public housing.

Scientific Impact of Research. I have published or in press 166 peer-reviewed journal articles, 59 of which have me as senior or first author and I have five other papers currently under review. As of 5/15/17, the number of citations to my work is 6400 (Google Scholar database). My h index (Hirsch J, 2005; Ball P 2005) is 39, indicating that 39 of my papers have been cited at least 39 times. I have consistently published in

highly ranked journals in medicine (Annals of Int Med, Jnl of Gen Int M, Jnl of Acquired Immune Deficiency Syndrome; Clinical Infectious Diseases) and public health (American Jnl of Public Health, American Jnl of Preventive Med, Health Services Res), and behavioral Sciences (Health Psychology, Social Science and Medicine, Patient Educ and Counseling). My article on ART measurement in the Annals of Internal Medicine has been cited 783 times per Google Scholar and on predictors of ART adherence has been cited 496 times per Google Scholar. My theoretical paper about patient participation and adherence has been cited 296 times and systematic review on adherence interventions has been cited 273 times.

In recognition of my work at a national level, from the Society for General Internal Medicine, I was honored to receive the prestigious Lawrence S. Linn Award, given to the person whose research is most likely to improve the health care of persons living with HIV/AIDS. Invitations to write are another indicator of the influence of one's work. In addition to the AHRQ report and working group papers described above, I was pleased to be invited to author five chapters. In the textbook, *Sexually Transmitted Diseases*, I lead the chapter entitled the "Psychosocial Aspects of HIV Infection." I was also asked to lead a chapter in the book, *Patient Advocacy for Health Care Quality: Strategies for Achieving Patient-Centered Care*, entitled, "Accessing the Patient's World: Patient-Physician Communication about Psychosocial Issues." For the book on treatment adherence entitled, *Patient treatment adherence: concepts, interventions, and measurement*, I co-authored the chapter, "Provider-patient communication and adherence." I have been particularly honored to be a co-author on the book, *Women and Poverty in the United States*, a compilation of contextualized findings from the HPTN 064 study and most recently to co-author a chapter on the intersection of mental and physical health and quality of life in Edwin Fisher's Behavioral Medicine textbook. I was honored to be invited to write an editorial for the *Annals of Internal Medicine* entitled, "Drinking and Drugs: When is enough too much?" of a study of alcohol misuse and adherence.

External Funding. Another indicator of recognition of my work is external funding. I have been PI or Co-PI on 17 grants, nearly all of which were federally funded. I have been between 90-100% grant funded for the last 18 years of my career. I am currently 100% grant-funded.

Teaching Statement

I have been involved in medical education since residency when I served as a tutor for the UNC physical diagnosis class, providing hands-on opportunities for students to take a history and conduct a physical exam with volunteer patients. At UCLA, I was fortunate to help teach the Doctoring and Clinical Fundamentals Courses, a four-year curriculum that used simulated patients to teach small groups of medical students to integrate their medical knowledge with a broad range of psychosocial issues. My experience teaching that course provided me with several very specific skills to reach medical students, and also offered me the opportunity to learn evidence-based methods for teaching communication skills to medical students through a series of problem solving exercises, also with simulated patients. Because of my strong interest in medical education during my fellowship, I was an active member of the curriculum development committee for the UCLA Robert Wood Johnson Clinical Scholars Program and served as a primary mentor for several medical students' research projects.

In 1998 I enthusiastically accepted the opportunity to serve as co-director of the Clinical Epidemiology course at UNC. In the School of Public Health, in addition to delivering many guest lectures, I developed and teach, a course entitled "Communication and Health-related Decision Making" (HB 715), cross-listed with both the Department of Health Behavior (HB, in which I hold a joint appointment with Medicine) and with the Health Care and Prevention Program (HCP, on which I served as faculty for medical students seeking an MPH). Many students in the HCP program become interested in this course during their Clinical Epidemiology second year experience. As the course is cross-listed, medical students and health behavior students, and work together to understand and appreciate their differing perspectives and areas

of expertise. I have also been active in courses for clinicians offered at NCTrACS. I not only provide many guest lectures to the KL2 scholars in their Epid 805-806 course, but also in the last three years, I have also enjoyed serving as small group leader, to work closely with 6-7 clinical researchers each year to assist them to develop and write an NIH grant-proposal.

My interest in teaching extends beyond the classroom. I have served as a research mentor and advisor to more than 100 individuals in the last 18 years, including 18 Junior Faculty mentees, 8 Junior Faculty CFAR awardee mentees, ten post-doctoral trainees and numerous doctoral and master's students in health behavior, epidemiology, pharmacy and health policy.

As director of the Social and Behavioral Core of the UNC Center for AIDS Research, I have had the opportunity to mentor many post-doctoral trainees and junior faculty. With these young researchers, I see my role first and foremost as helping them articulate clearly the research questions that are most burning for them. Once they are able to focus the aims of their research, they are better able to obtain the skills they need to achieve their career and research goals. As with teaching in the classroom, I have found that challenging junior faculty and post-docs to engage in being responsible for their own education has been a very useful and enjoyable approach. These activities led to my being awarded, in 2013, a K24 mentoring grant to extend my research and develop a robust mentoring program in comprehensive HIV prevention.

In summary, I see my role as a teacher and mentor to not simply provide didactic information, but rather to: 1) use methods that inspire students and mentees to discover what excites them intellectually; 2) offer learners a broad, multi-disciplinary perspective on whatever they are learning; and 3) provide opportunities for them to apply what they have learned to real world settings. My approach as an educator is to serve as a model for medical and public health students by emphasizing the application of learning, active student engagement in research, and enhancement of communication skills. By requiring more from students and other trainees and learners, my goal is to engage them more in their own education. By better integrating communication skills with other aspects of medical and public health education, and using concrete evidence-based methods, such as motivational interviewing, I believe we will educate our students and other trainees to be better health professionals.

Service and Engagement Statement

I have been actively involved in several service activities both within and outside of the University. Details of my activities are listed in my CV and include service to my departments, schools, university, and profession. In addition to mentoring, I served for over 10 years as a member of the HB Awards Committee and also served on this Distressed Students Committees and the General Medicine Division Research Committee and now Chair the Mentoring Committee for the HB Department. For the University, I served on the search committee for the Dean for the School of Social Work last year and for a dozen years was a member of the UNC Working Group on Risk, Communication, and Health Care Decision-Making. As Co-Chair of the UNC HIV Adherence Topical Working Group 1999-2005 I helped facilitate educational, service and research activities at the local and state levels. I have directed the UNC Social and Behavioral Sciences CFAR Core since 2005 which has facilitated multi-disciplinary dialogue and research at UNC, RTI and FHI360. Through participation in the Society for General Internal Medicine, the NIDA STTR Adherence Committee that I Co-Chair, the International Association of Physicians in AIDS Care, the Social and Behavioral Sciences Research Network and the American Public Health Association I contribute at a national level. I am an ad hoc reviewer on 8 journals and have served on several ad hoc and standing NIH study sections.