

CURRICULUM VITAE
CRYSTAL N. PIPER

BUSINESS ADDRESS:

University of North Carolina Charlotte
Department of Public Health Sciences
9201 University City Boulevard Room 427 F
Charlotte, NC 28223-0001
Phone: (704) 687-5874
Fax: (704) 687-6222
Email: cpiper1@uncc.edu

EDUCATION:

Year	University	Degree
2001	South Carolina State University Biology	BS
2002	Des Moines University Public Health	MPH
2003	Des Moines University Health Administration	MHA
2007	University of South Carolina Health Policy & Management	PhD

PROFESSIONAL EXPERIENCE:

Date	Position/Title	Employer
11/2001-12/2002	Research Assistant	Iowa Department of Health Office of the Director Des Moines, IA
01/2003-01/2004	Health Manager	South Carolina Health Agency Bureau of Air Quality

		Columbia, SC
01/2004-01/2005	Grant Manager	Benedict College, College of Health & Science Columbia, SC
08/2004-05/2007	Research Assistant	University of South Carolina SC Health Disparities Institute Columbia, SC
01/2005-05/2009	Adjunct Faculty	Benedict College Department of Health Sciences Columbia, SC
05/2007-05/2009	Research Associate	University of South Carolina Rural Health Research Center Columbia, SC
05/2005-05/2006	Patient Accounting	Palmetto Health Richland Emergency Department Columbia, SC
08/2009-Present	Assistant Professor	University of North Carolina Public Health Sciences Charlotte, NC

HONORS AND AWARDS:

1997	Scholarship, American Business Women's Association
1997	Academic Award, South Carolina State University
2001	Member, Who's Who Among American Students
2001	Columbia Urban League Young, Talented, Gifted Award
2004	W. K. Kellogg Fellow University of South Carolina
2004	Chancellor's List of America for Academic Excellence
2012	as cv

PEER-REVIEWED PUBLICATIONS:

Student mentorship: names of students and former student advisees are underlined.

1. Elder, K., Xirasagar, S., Bowen, S., Miller, N., Glover, S., **Piper, C.** (2007) Why African Americans Did Not Evacuate Before Hurricane Katrina? A Qualitative Study of Evacuees from New Orleans. *American Journal of Public Health*. 97 Supplement 97(1):S124-129.
2. **Piper C.** (2007) Examination of Racial Disparities in Childhood Asthma Management Practices in the United States. Dissertation. *University of South Carolina ProQuest*. AAT3272477:1-108.
3. Glover, S., Elder, K., Xirasagar, S. Baek, J., **Piper, C.**, Campbell, D. (2007) Racial/Ethnic Disparities in Mental Health Utilization Among Persons with Chronic Diseases: Findings from the Community Tracking Survey Data. *Journal of Health Disparities Research and Practice*. Volume 1(3):45-65.
4. **Piper, C.**, Elder, K., Glover, S., Baek, J. (2008) Racial Influences Associated with Asthma Management of Episodes Among Children in the United States. *Ethnicity and Disease*. Volume 18(2):225-227.
5. **Piper, C.**, Elder, K., Glover, S., & Baek, J. (2008) Asthma management plans for children can lead to a healthier life. *Ethnicity & Disease*. Volume 18(2): 238.
6. **Piper, C.**, Elder, K., Glover, S., Baek, J. (2008) Examination of Racial Disparities in Childhood Asthma Management Practices in the United States. *Journal of Health Disparities Research and Practice*. Volume 2(3): 1-16.
7. Glover, S., Xirasagar, S., Jeon, Y., Elder, K., **Piper, C.**, Pastides, H. (2009) A Human Capital Approach to Reduce Health Disparities. *Journal of Health Disparities Research and Practice*. Volume 3(1):1-14.
8. **Piper, C.**, Glover, S., Elder, K., Baek, J., Fernandez, S. (2010) Disparities Between Asthma Management and Insurance Type Among Children. *Journal of the National Medical Association*. 102(7):556-561.

9. Glover, S., Rivers, P., Asoh, D., **Piper, C.**, & Murph, K. (2010). Data mining for health executive decision support: An imperative with a daunting future! *Royal Society of Medicine*. 23:42-6.
10. **Piper, C.**, Glover, S., Elder, K., Baek, J., Wilkinson, L. (2010) Disparities in access to care among asthmatic children in relation to race and socioeconomic status. *Journal of Child Health Care*. 14(3):271-279.
11. Glover, S., **Piper, C.**, Williams, E., Bennett, K., Thompson, W., Annang, L., Charlemagne, S., Hassan, R. (2010) Preventable asthma episodes among urban/rural children and adolescents: A comparative study. *Journal of Health Disparities Research and Practice*. 4(2):41-49.
12. Glover, S., **Piper, C.**, Hassan, R., Preston, G., Wilkinson, L., Bowen-Seabrook, J., Mayer-Davis, B., Williams, S. (2011) Dietary, physical activity, and lifestyle behaviors of rural African American South Carolina children. *Journal of the National Medical Association*. 103(4):300-4.
13. Elder, K., McRoy, L., Horn, W., Ahmed, S., Hullett, S., Allison, J., **Piper, C.** (2011) Relationship of trust with medication adherence among African American men with hypertension: The Alabama Collaboration for Cardiovascular Equality Project. *American Journal of Public Health*. (In Press).
14. Goodwin, John. Sage Secondary Data Analysis - Sage Library of Research Methods Series. **Piper, C.**, Glover, S., Elder, K., Baek, J., Wilkinson, L. (2011) Disparities in Access to Care among Asthmatic Children in Relation to Race and Socioeconomic Status Pages. *Sage Publications*. 271-279.
15. Onsomu, E., **Piper, C.**, Moore, D., Timmons, S. (2012) Association between education and domestic violence among women being offered an HIV test in urban and rural areas in Kenya. *Journal of Interpersonal Violence*. (In Press).
16. **Piper, C.**, Glover, S., Williams, E., Olatosi, B., Charlemagne, S., Campbell, D., Ogbuano, C., Annang, L., Lee, W., Onsomu, E. (2012) Beliefs and Perception of Risks Among Women That Have Never Been Tested for HIV in the United States. *Journal of the National Medical Association*. (In Press).

17. Saffari, M., Pakpour, A., Amini, N., Eftekhar, H., Sanaeinasab, H., Mahmoudi, M., **Piper, C.** (2012) A model based educational intervention to increase physical activity among Iranian adolescents. *Jornal de Pediatria*. (In Press).
18. Alexander, D., Huber, L., **Piper, C.**, Tanner, A. (2013) The association between recreational parks, facilities and childhood obesity: a cross-sectional study of the 2007 National Survey of Children's Health. *Journal of Epidemiology and Community Health*. (In Press).
19. Saffari, M., Pakpour, A., Naderi, M., Koenig, H., Baldacchino, D., **Piper, C.** (2013) Spiritual coping, religiosity, and quality of life: A study of Muslim patients undergoing hemodialysis. *Nephrology*. (In Press).
20. **Piper, C.**, Polite-Middleton, T., Warren-Findlow, J., Thompson, M., Sebastian, N., Akindahunsi, Y. (2013). Racial influences on diabetes management among adults in North Carolina. *Ethnicity and Disease*. (In Press).
21. Saffari, M., Amini, N., Eftekhar, A., Sanaeinasab, H., Mahmoudi, M., **Piper, C.** (2013). Educational intervention on health related lifestyle changes among Iranian adolescents. *Iranian Journal of Public Health* (In Press).

REFEREED PRESENTATIONS AT NATIONAL CONFERENCES:

- Piper, C.**, Glover, S., Elder, K., Baek, J. "Exploration of Race-Based Disparities in Access to Care Among Children with Asthma in the United States." 133rd Annual Public Health Association Meeting & Exposition. Philadelphia, PA. December 10-14, 2005. Poster Presentation.
- Piper, C.**, Glover, S., Elder, K., Baek, J. "Exploration of Race-Based Disparities in Access to Care Among Children with Asthma in the United States." 1st Annual Columbia University Teachers College Health Disparities Conference. New York, NY. March 3-4, 2006. Poster Presentation.
- Piper, C.**, Glover, S., Elder, K., Baek, J. "Exploration of Race-Based Disparities in Access to Care Among Children with Asthma in the United States." University of South Carolina Research Day. Columbia, SC. April 5, 2006. Poster Presentation.

- Elder, K., Xirasagar, S., Bowen, S.A., Maitra, D., **Piper, C.**, Campbell, D.
“Disparities in Hurricane Katrina Evacuation: Factors in African Americans’
Evacuation Response.” Academy Health Annual Research Meeting. Seattle,
WA. June 25-27, 2006. Poster Presentation.
- Elder, K., Xirasagar, S., Bowen, S.A., Maitra, D., **Piper, C.** “African Americans
evacuated after the storm: Factors impacting their social vulnerability to
Hurricane Katrina.” 134th Annual Public Health Association Meeting &
Exposition. Boston, MA. November 4-8, 2006. Paper Presentation.
- Glover, S., **Piper, C.** “USC-Claflin Center of Excellence for the Elimination of
Health Disparities in HIV and Cancer: Saving our Community One Step at a
Time.” Evaluation of Community Connections: Using Research Results to
Reduce Health Disparities National EXPORT Health Conference.
Wintergreen, VA. June 25-28 2007. Paper Presentation.
- Campbell, D., Elder, K., Glover, S., **Piper, C.** “Examination of Racial Disparities
in Comorbidities Among Five-Year Breast Cancer Survivors in South
Carolina.” Minority Women’s Health Summit. Washington, DC. August 23-
26, 2007. Poster Presentation.
- Piper, C.**, Glover, S., Elder, K., Baek, J. “Examination of Racial Disparities in
Childhood Asthma Management Practices in the United States.” 135th
Annual Public Health Association Meeting & Exposition. Washington, DC.
November 3-7, 2007. Paper Presentation.
- Piper, C.**, Elder, K., Glover, S., Baek, J. “Racial Influences Associated with
Asthma Management of Episodes Among Children in the United States.”
13th Annual Centers for Disease Control and Prevention Maternal Child
Health Epidemiology Conference. Atlanta, GA. December 10-11, 2007.
Poster Presentation.
- Piper, C.**, Glover, S., Elder, K., Baek, J., Fernandez, S. “Association of Asthma
Management and Insurance Type Among Children in the United States.” 3rd
Annual Columbia University Teachers College Health Disparities
Conference. New York, NY. March 7-8, 2008. Paper Presentation.
- Glover, S., **Piper, C.** “USC-Claflin Center of Excellence for the Elimination of
Health Disparities in HIV and Cancer: Saving our Community One Step at a
Time.” 3rd Annual Columbia University Teachers College Health Disparities
Conference. New York, NY. March 7-8, 2008. Poster Presentation.

Williams, D., Elder, K., Lloyd, S. **Piper, C.** “Faith Based Approach to Address Colon Cancer among African Americans in South Carolina.” 11TH Biennial Symposium on Minorities, the Medically Underserved & Cancer. Washington, DC. April 3-6, 2008. Poster Presentation.

Piper, C., Elder, K., Glover, S., Baek, J. “Examination of Racial Disparities in Childhood Asthma Management Practices in the United States.” Academy Health Annual Research Meeting. Washington, DC. June 8-10, 2008. Poster Presentation.

Piper, C., Glover, S., Olatosi, B., Charlemagne, S., Campbell, D., Ogbuano, C., Williams, E., Annang, L., Wilson, S., Lee, W. “Beliefs and Perception of Risks Among Women That Have Never Been Tested for HIV in the United States” Academy for Health Equity Conference. Denver, CO. June 26-28, 2008. Poster Presentation.

Piper, C., Glover, S., Elder, K., Baek, J., Fernandez, S. “Association of Asthma Management and Insurance Type Among Children in the United States.” 136th Annual Public Health Association Meeting & Exposition. San Diego, CA. October 25-29, 2008. Panel Presentation.

Campbell, D., Olatosi, B., Bellinger, J., **Piper, C.** Williams, E., Glover, S., Wright, B. “Development of a Pipeline Project to Increase Student Led Research Projects in Health.” 136th Annual Public Health Association Meeting & Exposition. San Diego, CA. October 25-29, 2008. Paper Presentation.

Williams, E., Bellinger, J., Campbell, D., Olatosi, B., **Piper, C.**, Wright, B. “A Pipeline Project to Enhance HBCU Student Led Research Projects Disparities.” 136th Annual Public Health Association Meeting & Exposition. San Diego, CA. October 25-29, 2008. Oral Presentation.

Piper, C., Glover, S., Harutyunyan, T., Williams, E. Predictors Underlying Disparities of Cervical Cancer Screening Among Women in the United States.” 137th Annual Public Health Association Meeting & Exposition. Philadelphia, PA. November 7-11, 2009. Poster Presentation.

Piper, C., Glover, S., Swayampakala, K., Ogbuanu, C., Wilkinson, L., Campbell, D. “Role of spirituality in the use of CAM therapies among adults with chronic diseases in the United States.” 137th Annual Public Health Association Meeting & Exposition. Philadelphia, PA. November 7-11, 2009. Poster Presentation.

Piper, C., Glover, S., Williams, E., Olatosi, B., Charlemagne, S., Campbell, D., Ogbuano, C., Annang, L., Lee, W, & Onsomu, E. “Beliefs and Perception of Risks Among Women That Have Never Been Tested for HIV in the United States.” Academy Health Annual Research Meeting. Boston, MA. June 2010. Poster Presentation.

Onsomu, E., **Piper, C.**, Moore, D., Timmons, S. “Underestimating HIV acquisition perceived risk in Kenya: Sexual-risk taking in urban and rural areas.” 138th Annual Public Health Association Meeting & Exposition. , CO. November 2010. Poster Presentation.

Piper, C., Glover, S., Williams, E., Olatosi, B., Charlemagne, S., Campbell, D., Ogbuano, C., Annang, L., Lee, W, & Onsomu, E. “Beliefs and Perception of Risks Among Women That Have Never Been Tested for HIV in the United States.” 138th Annual Public Health Association Meeting & Exposition. Denver, CO. November 2010. Poster Presentation.

Taylor, Y., Laditika, J., **Piper, C.** “Emergency department use for childhood asthma: Comparing rural and urban areas.” Academy Health Annual Research Meeting. Orlando, FL. June 2012. Poster Presentation.

Piper, C., Chalalakal, S., Thompson, M., Warren-Findlow, J. “Management of Type II Diabetes Mellitus and Health Related Quality Of Life among Adults in North Carolina.” 140th Annual Public Health Association Meeting & Exposition. San Francisco, CA. October 2012. Poster Presentation.

Yadok, Z., Tanner, A., **Piper, C.**, Thompson, M. “HIV Testing Behaviors Among Pregnant Women in North Carolina: A Cross-Sectional Study Using 2008 PRAMS Participants.” 140th Annual Public Health Association Meeting & Exposition. San Francisco, CA. October 2012. Poster Presentation.

Invited

Piper, C., Glover, S., Elder, K., Baek, J. “Exploration of Race-Based Disparities in

Access to Care Among Children with Asthma in the United States.” 11th Annual Centers for Disease Control and Prevention Maternal Child Health Epidemiology Conference. Miami, FL. December 7-9, 2005. Plenary Panel Presentation.

Glover, S., **Piper, C.** “Perspectives on EXPORT Centers.” Evaluation of Community Connections: Using Research Results to Reduce Health Disparities National EXPORT Health Conference. Wintergreen, VA. June 25-28 2007. Plenary Panel Presentation.

Piper, C., Campbell, D. “What is Public Health?” Gospel WFMV 95.3 Radio Broadcast. Columbia, SC. April 21, 2008. Live Radio Commentary.

Piper, C., Glover, S., Olatosi, B., Charlemagne, S., Campbell, D., Ogbuano, C., Williams, E., Annang, L., Wilson, S., Lee, W. “Beliefs and Perception of Risks Among Women That Have Never Been Tested for HIV in the United States” Academy for Health Equity Conference. Denver, CO. June 26-28, 2008. Poster Presentation (Invited).

Piper, C. Lilburn, L. Wilson, B. “Role of prevention and access to health care in reducing health disparities.” Charlotte Talks WFAE 90.7 National Public Radio Charlotte, NC. April 2, 2012. Live Radio Commentary.

FUNDING:

Internal

Role: Principal Investigator

Funding Agency: University of North Carolina Charlotte Faculty Research Grant

Year: 2010-2012

Title: Attitudes and Beliefs About Gynecological Health & Cervical Cancer

Screening: The College Women’s Health Study

Amount: \$6,000

Role: Principal Investigator

Funding Agency: University of North Carolina Charlotte Crossroads Diversity

Year: 2010-2011

Title: Project Pace: **Public Health Academic & Career Enrichment Program**

Amount: \$1,000

External

Role: Principal Investigator

Funding Agency: National Institutes of Health UNC Chapel Hill Center for Diabetes Translational Research to Reduce Health Disparities (CDTR)

Year: 2013-2015

Title: Research Supplements to Promote Diversity in Health

Amount: \$150,000

TEACHING:

University of North Carolina Charlotte

Undergraduate

HLTH 3105 Public Health Education and Promotion (BSPH Required Course)

HLTH 3101 Foundations of Public Health (Pre-Public Health Required Course)

Independent Study (Public Health)

Graduate

HLTH 6204 Research Methods (MSPH Required Course)

HLTH 6221 Community Health (MSPH Required Course)

HADM 6128 Human Resource Management (MHA Required Course)

Dissertation Committee Member

Steven Hardy, Health-Related Disparities In Pediatric Asthma: Morbidity, Attitudes Toward Illness, and Symptom Perception, PhD Health Psychology Completed 2012.

Julie Covington, Efficacy of Webinar Training for School Personnel Continuing Professional Education, EdD Educational Leadership Completed 2012.

Debra Basalik, Evaluation of the conceptual overlap of health literacy with the domain of cognitive abilities, PhD Health Psychology In Progress.

Michele Rodriguez-Diaz, Title-TBD, PhD Health Psychology In Progress.

Tamara Scott, Title-TBD, Ph D Health Psychology In Progress.

Elizabeth Flanagan, Title-TBD, PhD Health Services Research In Progress.

Thesis Chair

Tatreka Polite, Race, Socioeconomic Status, & Rural/Urban Geographic Disparities in the Management of Diabetes Among Adults in NC, MSPH Completed 2011.

Shilpa Chakalaka, Management of Type II Diabetes Mellitus & Health Related Quality of Life Among Adults in NC, MSPH Completed 2011.

Jyoti Bankapur, Perceptions of Health Among Adults With Arthritis In NC, MSPH Completed 2011.

Purva Korgaonkar, Title-TBD, MSPH In Progress.

Natay Cherry, Title-TBD, MSPH In Progress.

Bradley Williams, Title-TBD, MSPH In Progress.

Brittney Beeler, Title-TBD, MSPH In Progress.

Thesis Committee Member

Dayna Alexander, The Association Between Recreational Parks Facilities and Childhood Obesity: A Cross-Sectional Study Of 2007 National Survey Of Children's Health (NSCH) Participants, MSPH Completed 2010.

Tamara Hawkins, Community Service Grant Proposal: Reducing HIV Transmission among High Risk Minority Youth & Adolescents, MSPH Completed 2010.

Leah Broadhurst, The Association of STD Counseling and/or Testing and Consistent Condom Use: A Cross-Sectional Study of 2006-2008 National Survey of Family Growth Participants, MSPH Competed 2011.

Zenret Yadok, HIV Testing Behaviors Among Pregnant Women in North Carolina: A Cross-Sectional Study Using 2008 PRAMS Participants, MSPH Completed 2011.

Jacob Mangum, Effect of Race/Ethnicity on Diabetes Diagnosis Based on HbA1c and HOMA Levels, MSPH Completed 2012.

University of South Carolina

Graduate

HADM 528 Organizational Behavior in Health Care (MHA Required Course)

Benedict College

Undergraduate

HE 230 Stress Management (Elective Course)

HE 230 Health Education (Elective Course)

PROFESSIONAL LEADERSHIP & SERVICE:

National

American Public Health Association (APHA)

Member, Community Health Planning & Policy Development (2004-Present)

Governing Councilor (Elected), Executive Board (2009-2011)

Policy Co-Chair, Community Health Planning & Policy Development (2006-2008)

Grant Proposal Reviewer

Health Resources Services Administration (HRSA) (2006-Present)

Journal Reviewer

Journal of the National Medical Association – (2006-Present)

Ethnicity & Disease (2006-Present)

Journal of Healthcare for the Poor and Underserved – (2008-Present)

North Carolina Medical Journal – (2010-Present)

Journal of Rural Health – (2010-Present)

American Journal of Reproductive Health – (2012-Present)

Professional Memberships

American College of Health Care Executives, Chicago, Illinois, (2001-2004)

Academy Health, Washington, DC, (2005-Present)

South Carolina Public Health Association (2006-Present)

Member, International Child Health Network, New Delhi, India, (2010-Present)

Member Resource Person Network, National Office of Minority Health,
Washington, DC, (2013-Present)

University of North Carolina Charlotte

Strong Women of UNCC, Advisor (Elected), (2011-Present), Attend monthly meetings, provide guidance, and monitor activities

Safe Zone Ally, Advisor, (2010-Present), Serve as support for student in the fight against homophobia at UNC Charlotte

Organization Web Communications, Committee Member (Appointed), (2010-2011), Attend monthly meetings, make recommendations to improve the internal, faculty and staff use of, and public use of the UNC Charlotte website

Bookstore Advisory Group, Member, (2009-2010), Attend meetings as scheduled, identify cost-effective options for purchasing student textbooks

College of Health and Human Services

Scholarship Committee Member, (2010-Present), Meets annually during the Spring to select applicants that will receive CHHS scholarships

Common Course Committee Member, (2010-2011), Attend monthly meetings, and make recommendation on the feasibility and effectiveness of a college-wide research methods course

Legacy Committee Member, (2012-Present)

Q City Metro Contributor Member, (2012-Present)

Department

MHA Program Committee Member, (2009-Present), Participated in the development of an exit survey for the students, reviewed incoming student

application, examined HADM course syllabi to ensure they meet accreditation standards, and planned activities for the program

Graduate Faculty Member, (2009-Present), Participated in the development of an exit survey for the students, reviewed incoming student application, examined HADM course syllabi to ensure they meet accreditation standards, and planned activities for the program

Health Services Research Faculty Member, (2009-Present), Serve as an advisor and review student applications

Health Psychology Affiliate Faculty Member, (2009-Present), Serve as a committee member for thesis/dissertation

Upsilon Phi Delta, Advisor, (2011-Present), Organized the induction of the inaugural members, created bylaws and protocol for the chapter, and developed all necessary forms

BSPH Program Committee Member, (2011-Present), Serve as an advisor and review student applications

Community

VOLUNTEER SERVICES/EXTRACURRICULAR ACTIVITIES:

- Student Mentor – Richland County School District One – (2001-Present) – Columbia, South Carolina
- Peer Educator – Midlands Area Health Club – (1996-2001) – Columbia, South Carolina
- Active Band Member – South Carolina State University – (1997-2001) – Orangeburg, South Carolina
- Evaluator – Columbia Urban League – (2005-Present) – Columbia, South Carolina
- Volunteer – Salvation Army – (2006-2007) – Columbia, South Carolina
- Volunteer – Big Brother/Big Sister – (2007-Present), Columbia, South Carolina
- Committee Co-Chair – Healthy Columbia Campaign – (2010-2012), Columbia, South Carolina

- Researcher/Evaluator – C. W. Williams Community Health Center – (2013-Present), Charlotte, North Carolina
- Researcher/Evaluator – Charlotte Chapter American Cancer Society – (2013-Present), Charlotte, North Carolina