
SAMANTHA CRISTINE WINTER

Email:
scw2154@columbia.edu

Address:
1255 Amsterdam Ave, Rm. 801
New York, NY 10027

Phone:
+1-212-851-2271

RELEVANT WORK EXPERIENCE

Assistant Professor <i>Institution:</i> School of Social Work, Columbia University	2019-Present
Dorothy Byrne Postdoctoral Fellowship in Global Health <i>Institution:</i> Edward J. Bloustein School of Planning and Public Policy	2018-2019
Research Fellow <i>Institution:</i> Edward J. Bloustein School of Planning and Public Policy	2017-2018
Research Associate <i>Institution:</i> Department of Sociology and Social Work, Univ. of Nairobi	2015-2017
Graduate Research Assistant <i>Institution:</i> Center on Violence Against Women & Children, Rutgers	2012-2015
Global Women's Water Initiative Fellow <i>Institution:</i> Women's Earth Alliance, Crabgrass, A Single Drop, Uganda	2011-2012
Energy Conservation Corpsmember <i>Institution:</i> Mile High Youth Corps, Denver, CO	2010
Associate Civil Engineer <i>Company:</i> MWH Global, Denver, CO	2008-2009
GIS Student Technician <i>Institution:</i> United States Department of Agriculture	2006-2008

EDUCATION

Rutgers University, New Brunswick, NJ Ph.D./MSW in Social Work Graduate certificate in African Studies	Oct 2017
Stanford University, Stanford, CA M.S. degree in Environmental Engineering and Science	Jan 2012
Colorado State University (CSU), Fort Collins, CO B.S. in Civil Engineering Passed Fundamentals of Engineering exam	Aug 2008
Punta Mona Center for Sustainable Development, Costa Rica Permaculture Design Certificate	Dec 2004
Queen's University, International Study Centre, Britain One year study abroad program	May 2004

RESEARCH INTERESTS

Social and environmental determinants of and inequalities in women's health, violence against women and access to health-related services in sub-Saharan Africa; violence prevention; access to and distribution of health and human rights in informal settlements in East Africa; role of human rights, social cohesion, social networks, and disorganization in health and services (e.g. water and sanitation)

RECENT RESEARCH EXPERIENCE

<p>Dorothy Byrne Postdoctoral Fellowship in Global Health</p> <p><i>Institution:</i> Edward J. Bloustein School of Planning and Public Policy</p> <p><i>Project title:</i> <i>Exploring women’s physical and mental health and associated social and environmental factors: A pilot study in Mathare Valley, Kenya</i></p> <p><i>Description:</i> Co-principal investigator and research manager focused on women’s health outcomes and related factors in informal settlements in Nairobi</p> <p><i>Project title:</i> <i>Tackling gender norms and gender-based violence through women's sports in rural Kenya</i></p> <p><i>Description:</i> Co-principal investigator and in-country research manager on project focused on women’s empowerment, perceptions of gender norms, efficacy, health, and experiences of violence in Kwale County.</p>	2018-2019
<p>Research Fellowship</p> <p><i>Institution:</i> Edward J. Bloustein School of Planning and Public Policy</p> <p><i>Project title:</i> <i>Women's health and utilization of health services in Botswana</i></p> <p><i>Description:</i> Analysis, interpretation, and presentation of results from data focused on women’s health in Botswana and Kenya</p>	2017-2018
<p>Funded Dissertation Project</p> <p><i>Institution:</i> Rutgers Univ., U.S.; Univ. of Nairobi, Kenya</p> <p><i>Project title:</i> <i>Factors Associated with Women’s Access to and Utilization of Health-Related Services in Informal Settlements In Nairobi, Kenya</i></p> <p><i>Description:</i> Designed and managed 18-month, multi-phase, mixed-methods study in Kenya. Collected and analyzed quantitative and qualitative data. Trained and managed 4 research assistants, admin, and 15 field researchers from Mathare Valley Informal Settlement.</p>	2015-2017
<p>Graduate Research Assistantship</p> <p><i>Institution:</i> Rutgers University, New Brunswick, NJ</p> <p><i>Project title:</i> <i>Women's Health and Experiences of Violence in Botswana</i></p> <p><i>Description:</i> Analysis, interpretation, and presentation of results from survey data (see publications) focused on women’s health and violence against women in Botswana and the factors associated with those outcomes.</p> <p><i>Project title:</i> <i>Women's Experiences of Non-domestic Violence in Relation to Lack of Access to Adequate Sanitation in Kenya</i></p> <p><i>Description:</i> Analysis, interpretation, and presentation of results focused on associations between women’s access to sanitation and their experiences of recent non-partner violence in Kenya.</p>	2014-2015
<p>Research Assistant</p> <p><i>Institution:</i> Center on Violence Against Women and Children (VAWC), Rutgers University, NJ</p> <p><i>Project title:</i> <i>Multilevel Bystander Intervention Study; Evaluation of Randomized Control Trial of Bystander Intervention Program for Preventing Sexual Assault on Campus</i></p> <p><i>Description:</i> Analysis, interpretation, and presentation of results from a longitudinal evaluation of a bystander intervention program</p> <p><i>Project title:</i> <i>Excellence in Higher Education in Liberia – Women’s Experiences of violence in Engr/agriculture</i></p> <p><i>Description:</i> Designed/managed project, analyzed data on mixed-methods project focused on women’s experiences in engineering</p>	2012-2015

Rutgers-University of Botswana Interdisciplinary Working Group

2013-2015

- Institution:* Rutgers University, New Brunswick, NJ
- Project title:* *A cross-national comparison of female student activism around principles of the ICPD Programme of Action*
- Description:* **Co-developed project design and grant proposal; co-taught course for female students; designed and conducted focus groups, trained and led female students in data collection**

GRANTS, FELLOWSHIPS, AWARDS & HONORS

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| • Dorothy Byrne Postdoctoral Fellowship in Global Health | 2018-2019 |
| • Global Health Seed Grant – Rutgers Global Institute for Health | 2018-2019 |
| • Dean’s Research Award – Rutgers University | 2017 |
| • Louis Bevier Dissertation Fellowship | 2016-2017 |
| • Boren Fellowship | 2015-2016 |
| • PEO Scholar Award (grant) | 2015-2016 |
| • Center for African Studies Graduate Enhancement Award (grant) | 2014 |
| • Graduate School of New Brunswick Pre-dissertation Study Award (grant) | 2014 |
| • Graduate Assistantship | 2012-2015 |
| • Global Women’s Water Initiative Fellowship | 2011-2012 |
| • Upper Yampa Water Conservancy Scholarship | 2007-2008 |
| • Harold Short Academic Scholarship | 2006-2008 |
| • Tau Beta Engineering Honor Society | 2007-Present |
| • Mortar Board Senior Honor Society | 2007-2008 |
| • Golden Key International Honors Society | 2003-Present |

PUBLISHED ARTICLES

- **Winter, S.C.**, Obara, L.M. & Barchi, F. (2019) Environmental correlates of health-related quality of life among women living in informal settlements in Kenya, *Int. J. Environ. Res. Public Health*, 16(20):3948.
- Barchi, F., **Winter, S.C.**, Keshogile, F.M., & Ramgola-Masire, D. (2019) Adherence to screening appointments in a cervical cancer clinic serving HIV-positive women in Botswana, *BMC Public Health*, 19(1):318.
- **Winter, S.C.**, Dzombo, M.N., & Barchi, F. (2019) Exploring the complex relationship between women’s sanitation practices and diarrhea in the slums of Nairobi, *BMC Infectious Diseases*, 19(1):242.
- **Winter, S.C.**, Dreibelbis, R., Dzombo, M.N., Barchi, F. (2019) A Mixed-Methods Study of Women's Sanitation Utilization in Informal Settlements in Kenya, *PLOS One*, 14(3):e0214114.
- Martinez-Siekavizza, S.N., **Winter, S.C.**, & Barchi, F. (2019) Pilot survey of shared decision-making among orthopedic surgeons and their patients in Guatemala, *J Bone Joint Surg*, 101(9):e35.
- **Winter, S.C.**, Dreibelbis, R., & Barchi, F. (2019) Women’s sanitation practices in informal settlements: A multi-level analysis of factors influencing utilization in Nairobi, Kenya, *Glob Public Health*, 14(5):663-674.
- Barchi, F., **Winter, S.C.**, Ramphane, P., & Dougherty, D. (2019) The Role of Self-Efficacy in Women's Health-seeking Behaviors in Northwestern Botswana, *J Health Care Poor Underserved*, 30(2):653-667.
- Barchi, F., **Winter, S.C.**, (2019) Non-partner violence in Sub-Saharan Africa and the built environment: A multi-country analysis of the effects of sanitation, water access, and urban settings, *Violence Against Wmn.*, DOI: 10.1177/1077801219853370

- **Winter, S.C.**, Barchi, F. (2019) Neighborhood disorganization and women's sanitation utilization practices in Mathare Valley, Kenya, *Environment & Behavior*, 51(5):530-560.
- **Winter, S.C.**, Dzombo, M.N., Barchi, F. (2019) Drivers of women's sanitation practices in informal settlements in sub-Saharan Africa: A qualitative study in Mathare Valley, Kenya, *International Journal of Environmental Health Research*. 6(28):609-625.
- **Winter, S.C.**, Barchi, F., & Dzombo, M.N. (2019) Not just any toilet—women's solutions to sanitation in informal settlements in Nairobi, *Development in Practice*. 29(1):15-25.
- Barchi, F., **Winter, S.C.**, Dougherty, D., & Ramaphane, P. (2018) Intimate partner violence against women in northwestern Botswana: The Maun Women's Study, *Violence Against Wmn*. 1077801218755976.
- **Winter, S.C.**, Dreibelbis, R., Barchi, F. (2018) Context Matters: A Multi-Country Analysis of Individual- and Neighborhood-Level Factors Associated with Women's Sanitation in Sub-Saharan Africa, *Tropical Medicine & International Health*. 23(2), 173-192.
- Dougherty, D., **Winter, S.C.**, Haig, A., Ramaphane, P., & Barchi, F. (2018) Intimate partner violence and women's health-seeking behaviors in northwestern Botswana, *Journal of Health Care for the Poor and Underserved*. 29(3), 864-880.
- **Winter, S.C.** & Barchi, F. (2015) Access to sanitation and violence against women: Evidence from Demographic Health Survey (DHS) data in Kenya, *International Journal of Environmental Health Research*, 26(3), 291-305.
- McMahan, S., **Winter, S.C.**, Palmer, J., Peterson, A., Postmus, J. (2015) A randomized controlled trial of a multi-dose bystander intervention program using peer education theater, *Health, Education & Behavior*, 30(4), 554-568.
- McMahan, S., Peterson, A., **Winter, S.C.**, Palmer, J., Postmus, J., Koenick, R.A. (2015) Predicting bystander behavior to prevent sexual assault on college campuses: The role of self-efficacy and intent, *American Journal of Community Psychology*, 56(1-2), 46-56.
- Barchi, F., & **Winter, S.** (2015). The undergraduate as global citizen: A survey of student attitudes and engagement on global issues. *Annals of Global Health*, 81(1), 15-16.
- Postmus, J. L., Hoge, G. L., Davis, R., Johnson, L., Koechlein, E., & **Winter, S.C.** (2014). Examining gender based violence and abuse among Liberian school students in four counties: An exploratory study. *Child abuse & neglect*.

PUBLICATIONS UNDER REVIEW

- **Winter, S.C.**, Dzombo, M.N. & Barchi, F. (Revise & resubmit) Women's health in the context: A study of women in Mathare Valley informal settlement in Nairobi, Kenya.
- **Winter, S.C.**, Obara, L.M. & McMahan, S. (Under review) Key correlates of women's physical and mental health in informal settlements in Nairobi, Kenya.
- Palmer, J., **Winter, S.C.**, McMahan, S. (Under review) Matching anonymous participants in longitudinal research on sensitive topics: Challenges and recommendations

RESEARCH-SPECIFIC SKILLS & QUALIFICATIONS

- Proficient in SPSS, Stata, MLwin and MPlus statistical analysis software
- Proficient in Atlas.ti qualitative analysis software
- Intermediate proficiency in ESRI ArcGIS software
- Proficient in Microsoft Office software including Word, PPT, Outlook, and Excel
- Conversational in Swahili and Basic Spanish
- Experienced grant/fellowship writer (see grants, awards, and honors section)

SELECTED PRESENTATIONS

- **Winter, S.** & Barchi, F. (2018, November 14) Factors associated with women's ability to access sanitation in informal settlements in Nairobi, Kenya, Oral Presentation at American Public Health Association, San Diego, CA.
 - **Winter, S.** & Dzombo, M. (2017, September 29) Women's fear of victimization (FOV) and their use of open defecation, plastic bags, or buckets in slums in Nairobi, Paper & Presentation at International Association of People-Environment Studies, Dar es Salaam, Tanzania.
 - **Winter, S.** & Dreibelbis, R. (2015, October 28) Associations Between Access to Sanitation and Violence Against Women (VAW): A Multi-Country Study, Poster Presented at the 2015 Water and Health conference, University of North Carolina, Chapel Hill, NC.
 - **Winter, S.** & Johnson, L. (2014, October 24) Examining Factors Contributing to High Female Drop Out Rates in the Engineering and Agriculture Degree Programs at the University of Liberia and Cuttington University, Poster at Council on Social Work Education Conference, Tampa, FL.
 - Palmer, J. & **Winter, S.** (2014, October 17) The differential impacts of a bystander intervention program for students of color, Paper Presented at American Evaluation Conference, Denver, CO.
 - **Winter, S.**, Palmer, J., & McMahon, S. (2013, October 18) Understanding Characteristics of Participants in a Randomized Control Trial of Sexual Violence Prevention, Paper Presented at American Evaluation Conference, Washington, DC.
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TEACHING, VOLUNTEERING & COMMUNITY INVOLVEMENT

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| • Instructor for online Women and Health course for senior undergraduate students, Edward J. Bloustein School of Planning and Public Policy, Rutgers University | Spring 2019 |
| • Co-instructor for Research Methods for graduate students and guest lecturer in Community Development, University of Nairobi, Kenya | 2016-2018 |
| • Volunteer advocate and counselor for at-risk women and commercial sex workers at Life Bloom Services International (LBSI), Kenya | 2015-2016 |
| • Volunteer trainer and grant writer for LBSI, Kenya | 2015-2016 |
| • Co-taught Global Health Research course for female undergraduate students, Rutgers University | Spring 2014 |
| • Volunteer with Violence Prevention and Victim Assistance, NJ | 2012-2013 |
| • Guest lecturer on Women and Human Rights, Water and Sanitation in Developing Countries, Women's Global Health and Access to Resources, Quantitative Research Methods, Uneven Dev., Rutgers University | 2012-2015 |
| • Tutor with Tutor Corps and Omega Teaching, CA | 2012 |
| • Co-facilitator for transformative arts therapy workshops with Art from Ashes, CO | 2009-2010 |
| • Mentor with Minds Matter, CO | 2008-2010 |
| • Mathematics Tutor through the College of Natural Sciences, CSU, CO | 2006-2007 |
| • Assistant to wetland biologist from Worley Parsons Komex, CO | 2005 |
| • Permaculture & Aquaculture project with local farmers, Costa Rica | 2004 |
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