

Kaitlyn M. Berry, MPH

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RESEARCH INTERESTS

Epidemiology • demography • population health • social determinants • obesity • cardiovascular disease • cardiometabolic disease • hypertension • diabetes • tobacco regulatory science • electronic cigarettes • chronic pain • opioid use • health outcomes • health disparities • global burden of non-communicable disease • health behaviors • secondary data analysis

EDUCATION

- 2019-current Doctor of Philosophy (**PhD**) in Epidemiology, Division of Epidemiology and Community Health, University of Minnesota School of Public Health, Minneapolis, MN
- May 2017 Master of Public Health (**MPH**), Department of Global Health, Boston University School of Public Health, Boston, MA
- May 2013 Bachelor of Arts (**BA**), Spanish, Vanderbilt University, Nashville, TN

HONORS

- 2017-current Alpha Beta Chapter of the Delta Omega Honorary Society in Public Health
- May 2017 John Snow Award in Global Health, Boston University School of Public Health, Boston, MA
- 2015-2017 Merit Scholarship, Boston University School of Public Health, Boston, MA
- 2009-2013 College Scholars Program, Vanderbilt University, Nashville, TN
- 2009-2013 Carell Scholar, Vanderbilt University, Nashville, TN

RESEARCH EXPERIENCE

- 2019-current **Pre-Doctoral Graduate School Trainee**, Minnesota Population Center, Institute for Social Research and Data Innovation, University of Minnesota, Minneapolis, MN
Principal Investigators: Rachel Widome, PhD; John Warren, PhD
- Participating in a pre-doctoral fellowship through the Interdisciplinary Population Health Science Training Program, a T32 program funded by the NICHD
- 2017-2019 **Research Fellow**, Department of Global Health, Center for Global Health and Development, Boston University School of Public Health, Boston, MA
Principal Investigators: Andrew Stokes, PhD; Alana Brennan, PhD
- Published ten original manuscripts, including four first-authored publications
 - Analyzed data from large, nationally representative surveys including NHANES, NHIS, and PATH
 - Managed student research assistants working on global and domestic research analyses
 - Delivered four oral presentations and four poster presentations at school events and international/national conferences
 - Contributed to four NIH grants (R21 to NHLBI, R03 to NHLBI, R21 to NIDDK, R03 to NICHD)
- 2016-2017 **Research Assistant**, Department of Global Health, Center for Global Health and Development, Boston University School of Public Health, Boston, MA
Principal Investigator: Andrew Stokes, PhD
- Conducted analyses characterizing the burden of hypertension and diabetes in South Africa and quantifying unmet need for hypertension/diabetes care
 - Presented findings during Boston University School of Public Health Global Health Seminar Series as the only invited student presenter for the year

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2014 **Research Assistant**, Montefiore Medical Center, Bronx, NY
Principal Investigator: Andrew Ovienloba, PhD

- Recruited 22 subjects for IRB study, "A Phenomenological Study of the Conflict & Crisis Impact of Autism on Single Parents"
- Scheduled study meetings and in-depth interviews and managed data
- Transcribed in-depth interviews and analyzed data using Qualitative Data Analysis Program (QDAP)

PUBLICATIONS

ORCHID: 0000-0002-2928-6773

MyBibliography: <https://www.ncbi.nlm.nih.gov/myncbi/browse/collection/54459927/?sort=date&direction=ascending>

In Press

1. **Berry KM**, Rodríguez CA, Berhanu R, Isamail N, Mvusi L, Long L, Evans D. Treatment outcomes among children, adolescents, and adults on treatment for drug-sensitive TB in two metropolitan municipalities in Gauteng Province, South Africa. *BMC Public Health*. 2019. PMID: 31331311.
2. Stokes A, **Berry KM**, Collins JM, Johnston SS, Hsiao CW, Waggoner JR, Ammann EM, Scamuffa RF, Lee S, Lundberg DJ, Solomon DH, Felson DT, Neogi T, Manson JE. The contribution of obesity to chronic pain and prescription opioid use in the United States. *Pain*. 2019. PMID: 31149978.
3. **Berry KM**, Fetterman JL, Benjamin EJ, Bhatnagar A, Barrington-Trimis JL, Leventhal AM, Stokes A. Association of electronic cigarette use with subsequent initiation of tobacco cigarettes in US youths. *JAMA Network Open*. 2019. PMID: 3077232.
4. Brennan AT, Jamieson L, Crowther NJ, Fox MP, George J, **Berry KM**, Stokes A, Maskew M, Sanne I, Long L, Cassim N, Rosen S. Prevalence, incidence, predictors, treatment, and control of hypertension among HIV-positive adults on antiretroviral treatment in public sector treatment programs in South Africa. *PLoS ONE*. 2018. PMCID: PMC6169897. PMID: 30281618.
5. Stokes A, Collins JM, Grant B, Hsiao C, Johnston S, Ammann E, **Berry KM**, Tong C, Scamuffa R. Prevalence and determinants of engagement with obesity care in the United States. *Obesity*. 2018. PMID: 29626388.
6. Stokes A, Collins JM, **Berry KM**, Reynolds LM, Fetterman JL, Rodriguez CJ, Siegel MB, Benjamin EJ. Electronic cigarette prevalence and patterns of use in adults with a history of cardiovascular disease in the United States. *JAMA*. 2018. PMID: 29700041. PMCID: PMC6015295
7. **Berry KM**, Reynolds LM, Collins JM, Siegel MB, Fetterman JL, Hamburg NM, Bhatnagar A, Benjamin EJ, Stokes A. E-cigarette initiation and associated changes in smoking cessation and reduction: The Population Assessment of Tobacco and Health Study, 2013-2015. *Tobacco Control*. 2018. PMID: 29574448
8. Stokes A, **Berry KM**, Mchiza Z, Parker WA, Labadarios D, Chola L, Hongoro C, Zuma K, Brennan AT, Rockers PC, Rosen S. Prevalence and unmet need for diabetes care across the care continuum in a national sample of South African adults: Evidence from the SANHANES-1, 2011-2012. *PLoS One*. 2017; 12(10):e0184264. PMID: 28968435. PMCID: PMC5624573
9. **Berry KM**, Parker W, Mchiza Z, Sewpaul R, Labadarios D, Rosen S, Stokes A. Quantifying unmet need for hypertension care in South Africa through a care cascade: Evidence from the SANHANES-1, 2011-2012. *BMJ Glob Health*. 2017;2(e000348). PMID: 29082013. PMCID: PMC5656122

Accepted

10. Brennan AT, **Berry KM**, Rosen S, Stokes A, Crowther NJ, George J, Raal F, Cassim N, Sanne I, Long L, Fox MP. Growth curve modelling to determine distinct body mass index trajectory groups in HIV-positive adults on ART in South Africa. *Lancet Global Health*. [Pending Publication]
11. Landry R, Groom A, Vu TH, Stokes A, **Berry KM**, Kesh A, Hart JL, Walker KL, Giachello AL, Sears CG, McGlasson KL, Tompkins LK, Mattingly DT, Robertson RM, Payne T. The roles of flavors in vaping initiation and satisfaction among U.S. adults. *Addictive Behaviors*. [Pending Publication]

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12. Lince-Deroche N, **Berry KM**, Hendrickson C, Sineke T, Kgowedi S, Mulongo M. Women's costs for accessing comprehensive sexual and reproductive health services: Findings from an observational study in Johannesburg, South Africa. *Reproductive Health*. [Pending Publication]

Under Review

14. Stokes A, **Berry KM**, Hempstead K, Neogi T. Trends in prescription analgesic use among adults with musculoskeletal pain in the United States, 1999-2016. *JAMA Network Open* [Revise & Resubmit]
13. Stokes A, Lundberg DJ, Hempstead K, **Berry KM**, Baker JF, Preston SH. More Gain, More Pain: Is Obesity Driving Demand for Prescription Opioids In the United States? *Health Affairs* [Under Review]
15. **Berry KM**, Neogi T, Baker JF, Collins JM, Waggoner JR, Hsiao C-W, Johnston SS, Stokes A. Obesity progression between young adulthood and midlife and incident arthritis: A retrospective cohort study of US adults. *Arthritis & Rheumatism* [Under Review]

FELLOWSHIPS

2017-2019 American Heart Association Tobacco Regulation and Addiction Center (A-TRAC) Fellowship, Training program hosted by one of 14 NIH-funded Tobacco Centers of Regulatory Science (TCORS) https://professional.heart.org/professional/ResearchPrograms/A-TRAC/UCM_459406_A-TRAC-Home.jsp

PRESENTATIONS

Oral Presentations

Implications of electronic cigarettes for global tobacco control, Global Health Seminar Series, Boston University School of Public Health, Boston, MA, 2018

The role of e-cigarettes in tobacco product transitions in US adolescents and adults: Evidence from the PATH Study, 2013-2015, Pre-ARC in Regulatory Tobacco Sciences Seminar Series, Boston University, 2018

Quantifying unmet need for hypertension care in South Africa through a care cascade: Evidence from the SANHANES, 2011-2012, International Union for the Scientific Study of Populations 2017: International Population Conference, Cape Town, South Africa, 2017

South Africa's Western Cape Province: Chronic Dispensing Unit, Think. Teach. Do. Showcase, Boston University School of Public Health, Boston, MA, 2017

Quantifying unmet need for hypertension care in South Africa through a care cascade: Evidence from the SANHANES, 2011-2012, Global Health Seminar Series, Boston University School of Public Health, Boston, MA, 2017

Poster Presentations

Racial/ethnic differences in first non-cigarette tobacco product used and risk of subsequent cigarette initiation among US youth: Results from the PATH Study, 2013-2016, American Heart Association Tobacco Regulation and Addiction Center (A-TRAC) Annual Meeting, Louisville, KY, 2019

Belief that tobacco is helpful for weight control is associated with tobacco use in youth: a longitudinal analysis of the PATH Study, 2014-2016, American Heart Association Tobacco Regulation and Addiction Center (A-TRAC) Annual Meeting, Louisville, KY, 2019

Association of e-cigarette use initiation and subsequent uptake of tobacco cigarettes in U.S. youth: Results from the PATH Study, 2013-2016, Third Annual Population Health Science Research Workshop, Boston, MA, 2018

E-cigarette use and associated changes in cigarette initiation among youth and young adults: Results from a longitudinal study of the US population, American Heart Association Tobacco Regulation and Addiction Center (A-TRAC) Annual Meeting, Louisville, KY, 2018

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E-cigarette initiation and associated changes in smoking cessation and reduction: Results from a longitudinal study of the US adult population, Tobacco Centers of Regulatory Science (TCORS) Annual Meeting, National Institutes of Health (NIH), Bethesda, MD, 2017

E-cigarette use and associated changes in cigarette initiation among youth and young adults: Results from a longitudinal study of the US population, Tobacco Centers of Regulatory Science (TCORS) Annual Meeting, National Institutes of Health (NIH), Bethesda, MD, 2017

PROFESSIONAL SERVICE

Manuscript Peer Review

Tobacco Control, PLoS ONE, Nicotine & Tobacco Research

Institutional Service

2018-2019 Community Building Committee, Department of Global Health, Boston University School of Public Health, Boston, MA

TEACHING EXPERIENCE

Spring 2018 **Teaching Assistant**, Department of Global Health, Center for Global Health and Development, Boston University School of Public Health, Boston, MA

- Course: GH811 Applied Research Methods for Global Health
- Number of students: 23
- Teaching hours: 3 hours/week
- Topics: survey design, data collection, quantitative analysis with R, manuscript writing, presentation skills

2014 **Instructor/Private Tutor**, Alpha Prep Tutoring, Fairfield, CT

- Courses: ACT prep, SAT prep
- Number of students: 20 per class
- Teaching hours: 20/week
- Topics: ACT, SAT, AP Biology, AP Statistics, AP Chemistry, AP Calculus

MENTORING EXPERIENCE

Spring 2019 **Connor Buchholz**, Research Assistant, *Weight Control Beliefs and Tobacco Use among Youth*, Boston University School of Public Health, Boston, MA

2018-current **DL Lundberg**, Research Assistant, *Transitions in Sexual/Gender Identities and Tobacco Use*, Boston University School of Public Health, Boston, MA

2018-current **Sridevi Prasad**, Research Assistant, *Subjective Social Status and Obesity in South Africa*, Boston University School of Public Health, Boston, MA

Spring 2018 **Adna Glusac**, Research Assistant, *Thailand Non-Communicable Disease Care Cascades Project*, Boston University School of Public Health, Boston, MA

Spring 2018 **Michelle Hsu**, Research Assistant, *Thailand Non-Communicable Disease Care Cascades Project*, Boston University School of Public Health, Boston, MA

2017-2018 **Chunyi Zhang**, Research Assistant, *Preliminary Analysis of South Africa's Chronic Dispensing Unit*, Boston University School of Public Health, Boston, MA

PROFESSIONAL MEMBERSHIPS

2017-current International Union for the Scientific Study of Populations (IUSSP)

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2017-current American Heart Association (AHA)
2017 American Heart Association (AHA) Research Leaders Academy

PROGRAM MANAGEMENT & IMPLEMENTATION EXPERIENCE

Spring 2017 **Quality Improvement Consultant**, Lesotho-Boston Health Alliance, Leribe, Lesotho
Fall 2016 **Student Consultant**, Lesotho-Boston Health Alliance, Boston, MA
2015-2016 **Program Manager**, Emmaus, Inc., Haverhill, MA
Spring 2015 **Student Consultant**, IntraHealth International, Boston, MA
2014-2015 **AmeriCorps VISTA Development Assistant**, Emmaus, Inc., Haverhill, MA

VOLUNTEER WORK

2014-current **Events Volunteer**, Emmaus, Inc., Haverhill, MA
Nov 2013 **Family Health Volunteer**, Mayan Families, Panajachel, Guatemala
Oct 2013 **English Language Volunteer**, Hacienda Merida, Ometepe, Nicaragua
Sept 2013 **Conservation Volunteer**, Latin American Sea Turtles Project, Pacuare, Costa Rica
Summer 2013 **Service Director**, Campamento Casi Cielo, La Fortuna, Costa Rica

SKILLS

Data Analysis: STATA, R, SAS

Language Skills: Intermediate proficiency in Spanish (speaking, reading, and writing)