

CURRICULUM VITAE

Eboneé Nicole Butler, PhD, MPH

PERSONAL

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EDUCATION

2012-2017	Doctor of Philosophy (Epidemiology) The University of North Carolina at Chapel Hill, Chapel Hill, NC
2005-2007	Master of Public Health (Epidemiology) Emory University, Atlanta, GA
2000-2005	Bachelor of Arts (Biochemistry) Rice University, Houston, TX

PROFESSIONAL EXPERIENCE & TRAINING

2021-present	Assistant Professor, Department of Epidemiology The University of North Carolina at Chapel Hill, Chapel Hill, NC
2021	Professorial Lecturer, Department of Epidemiology The George Washington University, Washington, DC
2017-2021	Post-Doctoral Research Fellow, Cancer Prevention Fellowship Program National Cancer Institute, Rockville, MD
2017	Cancer Prevention Fellowship Program Summer Curriculum National Cancer Institute, Bethesda, MD
2012-2017	Graduate Research Assistant University of North Carolina at Chapel Hill Lineberger Comprehensive Cancer Center
2009-2012	Research Associate National Cancer Institute, Bethesda, MD Division of Cancer Control and Population Sciences, Applied Research Program

2007-2009	Oak Ridge Institute for Science and Education Fellow National Center for Immunization and Respiratory Diseases, Influenza Division Centers for Disease Control and Prevention, Atlanta, GA
2008-2009	Graduate Research Assistant Department of Epidemiology Emory University, Atlanta, GA
2005-2007	Laboratory Technician National Center for Infectious Diseases, Division of Parasitic Diseases Centers for Disease Control and Prevention, Atlanta, GA
2004-2005	Research Assistant Department of Biochemistry and Cell Biology Rice University, Houston, TX

HONORS

2021	NIH Fellows Award in Research Excellence (FARE) (\$1,500)
2018	AACR Scholar-in-Training Award (\$1,000)
2016	AACR Integrative Molecular Epidemiology Workshop Boston, MA
2015	NIH National Research Service Award F31 Predoctoral Fellowship
2015	Society for Epidemiologic Research Dissertation Workshop Award Denver, CO
2013	University Cancer Research Fund Award UNC (\$20,000)
2012	Gillings Merit Scholarship (Awarded \$20,000 for First-Year PhD Studies)
2012	NIH Merit Award for Advancing the Field of Physical Activity Surveillance
2011 & 2012	Distinguished Performance Award from Kelly Government Solutions
2009	CDC NCIRD award for Outstanding Service in Response to the 2009 Swine Flu Epidemic
2004	Welch Foundation Student Research Grant (Rice University) Houston, TX
2000	Rice University Barbara Jordan Scholar (Awarded one-half the cost of undergraduate tuition)
2000	Salutatorian, Beaumont Central Senior High School Class of 2000

PROFESSIONAL MEMBERSHIPS

2024-present	Center for Health Promotion and Disease Prevention The University of North Carolina at Chapel Hill
2022-present	Center for Environmental Health and Susceptibility The University of North Carolina at Chapel Hill
2022-present	Lineberger Comprehensive Cancer Center The University of North Carolina at Chapel Hill
2016-Present**	American Association for Cancer Research
2015-present**	Society for Epidemiologic Research

SERVICE & LEADERSHIP ACTIVITIES

2023-present	Director, The North-Carolina Louisiana Prostate Cancer Project The University of North Carolina at Chapel Hill
2022-present	Inclusive Excellence Committee, Department of Epidemiology The University of North Carolina at Chapel Hill
2020	Organizing Committee NCI's 3rd Symposium on Cancer Health Disparities National Cancer Institute
2020	Admissions Committee Cancer Prevention Fellowship Program
2013-2016	Minority Student Caucus Executive Board The University of North Carolina at Chapel Hill
2013-2015	Cancer Epidemiology Seminar and Journal Club Organizer The University of North Carolina at Chapel Hill
2010	Montgomery County Coalition for the Homeless (Maryland) Fundraising & Meal Preparation
2008	CDC Softball League (Georgia) Catcher

BIBLIOGRAPHY

Citation Manager: Endnote¹⁻³⁸

*Mentored Trainee

1. Ping J, Jia G, Cai Q, et al. Using genome and transcriptome data from African-ancestry female participants to identify putative breast cancer susceptibility genes. *Nat Commun.* May 2 2024;15(1):3718. doi:10.1038/s41467-024-47650-5
2. Love SM, Collins JM, Anthony KM, et al. Individual and Neighborhood-level Socioeconomic Status and Somatic Mutations Associated With Increased Risk of Cardiovascular Disease and Mortality: A Cross-Sectional Analysis in the Women's Health Initiative. *Womens Health Issues.* Mar-Apr 2024;34(2):197-207. doi:10.1016/j.whi.2023.10.005
3. Jia G, Ping J, Guo X, et al. Genome-wide association analyses of breast cancer in women of African ancestry identify new susceptibility loci and improve risk prediction. *Nat Genet.* May 2024;56(5):819-826. doi:10.1038/s41588-024-01736-4
4. Ellis ET, Fairman BJ, Stahr SD, et al. Cigarette smoking and prostate cancer aggressiveness among African and European American men. *Cancer Causes Control.* May 17 2024;doi:10.1007/s10552-024-01883-3
5. **Dunn MR***, Metwally EM, Vohra S, et al. Understanding mechanisms of racial disparities in breast cancer: an assessment of screening and regular care in the Carolina Breast Cancer Study. *Cancer Causes Control.* May 2024;35(5):825-837. doi:10.1007/s10552-023-01833-5
6. Wang A, Shen J, Rodriguez AA, et al. Characterizing prostate cancer risk through multi-ancestry genome-wide discovery of 187 novel risk variants. *Nat Genet.* Dec 2023;55(12):2065-2074. doi:10.1038/s41588-023-01534-4
7. Gheybi K, Mmekwa N, Lebelo MT, et al. Linking African ancestral substructure to prostate cancer health disparities. *Sci Rep.* Nov 27 2023;13(1):20909. doi:10.1038/s41598-023-47993-x
8. **Butler EN**, Zhou CK, Curry M, et al. Testosterone therapy and cancer risks among men in the SEER-Medicare linked database. *Br J Cancer.* Jan 2023;128(1):48-56. doi:10.1038/s41416-022-02019-7
9. **Butler EN**, Benefield T, Henderson L, Kuzmiak C, Pritchard M, Nyante S. Breast exam use during the protracted COVID-19 pandemic, by age, race, and geography. *JNCI Cancer Spectr.* Mar 1 2023;7(2)doi:10.1093/jncics/pkad025
10. **Butler EN**, Umar A, Heckman-Stoddard BM, Kundrod KA, Signorello LB, Castle PE. Redefining precision cancer prevention to promote health equity. *Trends Cancer.* Apr 2022;8(4):295-302. doi:10.1016/j.trecan.2022.01.009
11. Abubakar M, Mullooly M, Nyante S, et al. Mammographic Density Decline, Tamoxifen Response, and Prognosis by Molecular Characteristics of Estrogen Receptor-Positive Breast Cancer. *JNCI Cancer Spectr.* May 2 2022;6(3)doi:10.1093/jncics/pkac028
12. Spees LP, Roberts MC, Freedman AN, et al. Involving patients and their families in deciding to use next generation sequencing: Results from a nationally representative survey of U.S. oncologists. *Patient Educ Couns.* Jan 2021;104(1):33-39. doi:10.1016/j.pec.2020.03.001
13. Roberts MC, Spees LP, Freedman AN, et al. Oncologist-Reported Reasons for Not Ordering Multimarker Tumor Panels: Results From a Nationally Representative Survey. *JCO Precis Oncol.* 2021;5doi:10.1200/po.20.00431

14. Cook MB, Hurwitz LM, Geczik AM, **Butler EN**. An Up-to-date Assessment of US Prostate Cancer Incidence Rates by Stage and Race: A Novel Approach Combining Multiple Imputation with Age and Delay Adjustment. *Eur Urol*. Jan 2021;79(1):33-41. doi:10.1016/j.eururo.2020.09.041
15. Withrow DR, Schonfeld SJ, Curtis RE, et al. Racial and ethnic differences in risk of second primary cancers among prostate cancer survivors. *Cancer Causes Control*. Nov 2020;31(11):1011-1019. doi:10.1007/s10552-020-01336-7
16. Hurwitz LM, Yeboah ED, Biritwum RB, et al. Overall and abdominal obesity and prostate cancer risk in a West African population: An analysis of the Ghana Prostate Study. *Int J Cancer*. Nov 15 2020;147(10):2669-2676. doi:10.1002/ijc.33026
17. **Butler EN**, Kelly SP, Coupland VH, Rosenberg PS, Cook MB. Fatal prostate cancer incidence trends in the United States and England by race, stage, and treatment. *Br J Cancer*. Aug 2020;123(3):487-494. doi:10.1038/s41416-020-0859-x
18. **Butler EN**, Hall MG, Chen MS, Pepper JK, Blanton H, Brewer NT. The Prototypes of Tobacco Users Scale (POTUS) for Cigarette Smoking and E-Cigarette Use: Development and Validation. *Int J Environ Res Public Health*. Aug 21 2020;17(17)doi:10.3390/ijerph17176081
19. Williams LA, **Butler EN**, Sun X, et al. TP53 protein levels, RNA-based pathway assessment, and race among invasive breast cancer cases. *NPJ Breast Cancer*. 2018;4:13. doi:10.1038/s41523-018-0067-5
20. Couture HD, Williams LA, Geradts J, et al. Image analysis with deep learning to predict breast cancer grade, ER status, histologic subtype, and intrinsic subtype. *NPJ Breast Cancer*. 2018;4:30. doi:10.1038/s41523-018-0079-1
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23. Brodar KE, Hall MG, Butler EN, et al. Recruiting Diverse Smokers: Enrollment Yields and Cost. *Int J Environ Res Public Health*. Dec 16 2016;13(12)doi:10.3390/ijerph13121251
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25. Kirkpatrick SI, Reedy J, Butler EN, et al. Dietary assessment in food environment research: a systematic review. *Am J Prev Med*. Jan 2014;46(1):94-102. doi:10.1016/j.amepre.2013.08.015
26. Evenson KR, **Butler EN**, Rosamond WD. Prevalence of physical activity and sedentary behavior among adults with cardiovascular disease in the United States. *J Cardiopulm Rehabil Prev*. Nov-Dec 2014;34(6):406-19. doi:10.1097/hcr.0000000000000064
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38. Lund MJ, **Butler EN**, Bumpers HL, et al. High prevalence of triple-negative tumors in an urban cancer center. *Cancer.* Aug 1 2008;113(3):608-15. doi:10.1002/cncr.23569

POSTER PRESENTATIONS

2020	AACR Advances in Prostate Cancer Research (Denver, CO). "Testosterone therapy in relation to cancer risks among men in the SEER-Medicare database". (Postponed)
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2019	12th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved (San Francisco, CA). "The interplay between rurality-urbanicity and race in prostate cancer risk, treatment, and survival in the United States".
2019	Society for Epidemiologic Research 52nd Annual Meeting (Minneapolis, MN). "Male reproductive factors and prostate cancer risk in the United Kingdom".
2018	11th AACR Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved (New Orleans, LA). "Racial differences in the incidence of fatal prostate cancer in two countries: An ecological comparison of the United States and England".
2017	AACR Annual Meeting (Washington, DC). "Smoking Exposure and Quantitative Levels of Estrogen- Receptor Expression in ER+ Breast Tumors".

SPEAKER INVITATIONS

2023	“The Impact of Patient-Provider Communication on Treatment and Survival Among Prostate Cancer Patients” 16th AACR Conference on the Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved, Orlando, Florida, USA
2023	“The North Carolina-Louisiana Prostate Cancer Consortium” Inaugural Prostate Cancer Health Disparities Africa Workshop, Future Africa, University of Pretoria, South Africa
2022	“Associations between Reproductive Risk Factors and Breast Cancer Molecular Subtypes among Ghanaian Women: A Population-Based Case-Control Study” Virtual Symposium on Breast Cancer Epidemiology in Ghana, National Cancer Institute, Bethesda, MD

TEACHING

Spring 2023	Cancer Epidemiology and Pathogenesis, EPID 770 – Instructor University of North Carolina at Chapel Hill
Spring 2021	Principles and Practice of Epidemiology, PUBH 6003 (Spring I & II) The George Washington University, Washington, DC
Fall 2014	Clinical Measurement and Evaluation, EPID 711 The University of North Carolina at Chapel Hill, Chapel Hill, NC

FUNDING

PCRP DOD HEROIC2 (Hayes - Pending) 0.12 Calendar Months 2024-024
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“High-risk Prostate Cancer in Southern Africa, Unravelling the Genome and Exposome (TARGET Africa)”. The goal of this project is to interrogate the genome and exposome to uncover the etiology of aggressive prostate cancer and associated disparities in men of African ancestry, with a focus on rural Africa. Role: Co-Investigator

NCI Loan Repayment Program: 2024-2026 (Butler – Pending) | \$100K | 07/01/2024 – 06/30/26
“Geographic and Socioeconomic Determinants of Prostate Cancer Incidence, Treatment, and Survival in the United States”. The primary objective of the project is to examine geographic and socioeconomic determinants of prostate cancer burden in the US, overall and by race. Role: Investigator

HEI-23-003 (Troester) | 10% FTE | 11/1/2023 – 10/31/2024
“Breast Cancer Drivers in Black Women: Society to Cells”. Examine the relationship between patient-provider communication and breast cancer outcomes, including clinical characteristics and patient satisfaction with care. Role: Co-Investigator

NCI Loan Repayment Program: 2022-2024 (Butler) | \$100K | 07/01/2022 – 06/30/24
“Patient-provider communication mitigates the adverse effects of race and geography on prostate cancer treatment and survival”. Through the research activities outlined in this proposal, I will seek to examine how patient-provider communication influences prostate cancer treatment and survival across categories of race and geography, using data from the North Carolina-Louisiana Prostate Cancer Project. Role: Investigator

PCRP DOD (Hayes) | 0.12 Calendar Months | 01/18/22 – 6/30/24
“High-risk Prostate Cancer in Southern Africa, Unravelling the Genome and Exposome (TARGET Africa)”. The goal of this project is to interrogate the genome and exposome to uncover the etiology of aggressive prostate cancer and associated disparities in men of African ancestry, with a focus on rural Africa. Role: Co-Investigator

NIH/NCI 5F31CA200336-02 (Butler) | \$73,729 | 09/15/2015 to 9/14/2017
“Smoking as a proxy for nicotine exposure and risk of EGFR positive breast cancer”. The goal of this project was to gain training in the integration of epidemiology and molecular biology to evaluate risk factor associations with breast tumor biomarkers. Role: Principal Investigator