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PERSONAL:

Research Interests

Cancer care, community-based participatory research, financial toxicity, health care disparities/equity, health informatics, health services research, palliative/supportive care, patient-reported outcomes, system-level approaches to health equity

Teaching Interests

Cancer care quality, health care disparities/equity, palliative/supportive care, social determinants of health

EDUCATION:

Doctor of Philosophy, **Harvard University (Massachusetts)**, Graduate School of Arts and Sciences, Health Policy. Dissertation Title: *Essays on Health Care Quality and Access: Cancer Care Disparities, Composite Measure Development, and Geographic Variations in Electronic Health Record Adoption*. Dissertation Committee: Thomas McGuire (Chair), Nancy Keating, Alan Zaslavsky. Concentration in Medical Sociology (May 2014)

Graduate Work in Public Policy, **Duke University (North Carolina)**, Terry Sanford Institute for Public Policy. Concentration in Health Policy. (May 2009)

Bachelor of Science in Psychology, Minor in Biology (Summa Cum Laude), **University of Miami (Florida)**, College of Arts and Science. Cumulative GPA: 3.95/4.0 (May 2007)

PROFESSIONAL EXPERIENCE:

Academic/Research

April 2020-Current, Associate Professor (*Tenured*), **University of North Carolina (UNC) at Chapel Hill**, Department of Health Policy and Management. Conduct equity-related cancer research, teach course in health care disparities/equity, and mentor/advise students.

November 2020-Current, Founding Director of the Centering Racial Equity in Data Science (CREDS) Initiative, **UNC Lineberger Comprehensive Cancer Center**, Cancer Outcomes Research Program (CORP). Develop and implement strategies related to advancing racial equity across CORP's programmatic structures and resources, membership (faculty, staff, students, trainees), and research methods and training.

April 2020-Current, Member, **National Academies of Sciences, Engineering, and Medicine (Washington, DC)**, National Cancer Policy Forum. Identify high-priority policy issues in cancer care and research, convene action-oriented policy meetings focused on improving cancer outcomes, inform and engage stakeholders through published reports.

January 2015-Current, Member, **UNC Lineberger Comprehensive Cancer Center**, Cancer Outcomes Research Program. Conduct equity-related cancer research, support Lineberger's efforts in promoting diversity, equity, and inclusion in cancer care and research.

July 2014-April 2020, Assistant Professor, **University of North Carolina at Chapel Hill**, Department of Health Policy and Management. Conduct equity-related cancer research, teach course in health care disparities/equity, and mentor/advise students.

May 2010- May 2014, Graduate Research Assistant, **Harvard Medical School (Massachusetts)**, Department of Health Care Policy. Assessed racial disparities in cancer care and outcomes across Veterans Affairs hospitals and develop methodology for computing hospital-level composite measures of cancer care quality.

June 2011- May 2012, Program Analyst, **U.S. Department of Health and Human Services (Washington, DC)**, Office of the National Coordinator (ONC) for Health IT. Led analysis of Regional Extension Center Program penetration in rural and health professional shortage areas, collaborated with ONC staff and contractors in the development of surveys, reports, and program evaluations, and evaluated contract proposals as member of an ONC technical evaluation panel.

January 2011- January 2011, Program Evaluation Consultant for Lead Poisoning Prevention, **Centers for Disease Control (CDC) (Illinois)**, Chicago Department of Public Health (CDPH). Worked with CDC/CDPH officials to develop Chicago's Lead Poisoning Prevention Program evaluation plan and presented plan to CDPH environmental health medical director, epidemiologists, and program managers.

May 2009- August 2009, Health Care Intern Analyst, **U.S. Government Accountability Office (GAO) (Georgia)**, Health Care Team. Analyzed Medicare Part D price concession and claims data for a sample of high cost specialty-tier drugs to assess plan sponsors' cost containment and utilization management practices and contributed to GAO report on spending, beneficiary cost sharing, and cost-containment for specialty-tier drugs.

May 2008- August 2008, Congressional Health Policy Fellow and Barbara Jordan Health Policy Scholar, **U.S. Senate (Washington, DC)**, Office of Senator Barack Obama. Prepared presentation on U.S. Department of Health and Human Services minority health funding trends, developed a report assessing U.S. rural health workforce training programs and legislation, and prepared a memo describing strategies for expanding Illinois' Medicaid/SCHIP program.

December 2006- May 2008, Junior Health Education Coordinator for Breast Cancer, **Miami-Dade Area Health Education Center (AHEC) (Florida)**, Department of Community Health. Coordinated and delivered breast cancer education presentations throughout underserved communities in the South Florida area, trained and supervised breast cancer health educators, engaged community partners/leaders, prepared report on Monroe County's breast health service needs.

August 2005- May 2007, Undergraduate Research Assistant in Psychology, **University of Miami (Florida)**, Department of Psychology, Brain and Behavior Laboratory. Trained new research assistants on study protocol and managed participant recruitment process and conducted electroencephalogram and event-related potential assessments.

HONORS/AWARDS:

Phillip and Ruth Hettleman Prizes for Artistic and Scholarly Achievement, UNC-Chapel Hill (2021)

Teaching Excellence and Innovation Award, Gillings School of Global Public Health (2020-2021)

Academic Career Leadership Academy in Medicine (ACCLAIM) Scholar, UNC School of Medicine (2018-2019)

'40 Under 40' Leader in Minority Health, National Minority Quality Forum & Congressional Black Caucus (2019)

Public Health Champion, UNC Gillings School of Global Public Health (2019)

Harvard Graduate Prize Fellowship, Harvard University (2011-2014)

Mathematica Summer Fellowship, Mathematica Policy Research (2012)

AcademyHealth/Aetna Minority Scholarship, AcademyHealth (2012)

Pre-Doctoral National Research Service Award, Agency for Healthcare Research and Quality (2009-2011)

Terry Sanford Institute Scholarship, Duke University (2008-2009)

Phi Beta Kappa, University of Miami (2007)

Psi Chi International Honor Society in Psychology, University of Miami (2006)

Ronald A. Hammond Scholarship, University of Miami (2003-2007)

Florida Academic Scholarship, Florida Bright Futures Scholarship Fund (2003-2007)

Haitian-American Scholarship, Haitian-American Scholarship Fund (2003)

BIBLIOGRAPHY (*Indicates work with a student/trainee co-author; ++ denotes primary advisor to student/trainee on project):

Books Chapters

1. Eng, E., Schaal, J., Baker, S., Black, K., Cykert, S., Jones, N., Lightfoot, A., Robertson, L., **Samuel, C.A.**, Smith, B., Thatcher, K. (2017). Chapter 8, "Partnership, Transparency, and Accountability: Changing Systems to Enhance Racial Equity in Cancer Care and Outcomes." *Community-Based Participatory Research for Health: Advancing Social and Health Equity, 3rd Edition*. 2017. Invited book chapter. Eds: Wallerstein, N., Duran, B., Oetzel, J., Minkler, M. Jossey-Bass: San Francisco, CA, pp. 107-122.

Peer Reviewed Publications

1. **Samuel-Ryals, C.A.**, *Mbah, O.M., Peacock-Hinton, S., *Cross, S.H., Reeve, B.B., Dusetzina, S.B. Evaluating the Contribution of Patient-Provider Communication and Cancer Diagnosis to Racial Disparities in End-of-Life Care among Medicare Beneficiaries. *Journal of General Internal Medicine*. 2021 May. doi: 10.1007/s11606-021-06778-6. [Epub ahead of print]. PMID: 33963508
2. *Mohan, C.S., Rotter, J.S., Tan, H-J., Kent, E.E., Bjurlin, M., Basch, E. M., **Samuel, C.A.**, Nielsen, M., Smith, A. The Association between Patient Experience and Healthcare Outcomes Using SEER-CAHPS Patient Experience and Outcomes among Cancer Survivors. *Journal of Geriatric Oncology*. 2021 May;12(4):623-631. doi: 10.1016/j.jgo.2020.11.006. [Epub 2020 Dec 2]. PMID: 33277226.
3. Smith, A.B, **Samuel, C.A**, McCabe, S.D., Deal, A.M., Jonsson, M., Mueller, D.E., Mahbooba, Z.M., Bennett, A.V., Chung, A.E., Nielsen, M.E., Tan, H-J., Wallen, E.M., Pruthi, R.S., Wang, A., Basch, E., Reeve, B.B., Chen, R. Feasibility and Delivery of Patient-Reported Outcomes in Clinical Practice Among Racially Diverse Bladder and Prostate Cancer Patients. *Urologic Oncology*. 2020 Aug 17; S1078-1439(20)30317-3. doi: 10.1016/j.urolonc.2020.06.030. [Online ahead of print.]. PubMed PMID: 32819814
4. **Samuel, C.A.**, *Mbah, O.M., *Elkins, W., *Pinheiro, L., *Szymeczek, M.A., Padilla, N.R., Walker, J.S., Corbie-Smith, G. Calidad de Vida: A Systematic Review of Quality of Life in Latino Cancer Survivors in the United States. *Quality of Life Research*. 2020 Oct; 29 (10): 2615-2630. doi: 10.1007/s11136-020-02527-0. [Epub 2020 May 19]. PubMed PMID: 32430782.
5. Ellis, K.R., Black, K., Baker, S., Cothorn, C., Davis, K., Doost, K., Goestch, C., *Griesemer, I., *Guerrab, F., Lightfoot, A., Padilla, N., **Samuel, C.**, Schaal, J., Yongue, C., Eng., E. Racial differences in the influence of healthcare system factors on informal support for cancer care among Black and White breast and lung cancer survivors. *Family & Community Health*. 2020 Jul/Sep 2020;43(3):200-212. doi: 10.1097/FCH.000000000000264. PubMed PMID: 32427667

6. **Samuel, C.A.**, Smith, A., *Elkins, W., *Richmond, J., Mahbooba, Z., Basch, E., Bennett, A., Chung, A., Jonsson, M., Chen, R., Reeve, B. Racial Differences in User Experiences and Perceived Value of Electronic Symptom Monitoring in a Cohort of Black and White Bladder and Prostate Cancer Patients. *Quality of Life Research*. 2020 Feb; doi: 10.1007/s11136-020-02442-4. [Epub ahead of print]. PubMed PMID: 32112276.
7. *++Richmond, J., *Mbah, O., *Dard, J., *Cools, **Samuel, C. A.**, Khan, J., Manning, M. Evaluating Potential Racial Inequities in Low-Dose Computed Tomography Screening for Lung Cancer. *Journal of the National Medical Association*. 2020 Feb. doi: 10.1016/j.jnma.2019.10.002. [Epub 2020 Feb 19]. PubMed PMID: 32067762.
8. *++Mbah, O., Kinlaw, A., Trogdon, J., Wheeler, S. W., **Samuel, C. A.** The Affordable Care Act and Ethnic Disparities in Colorectal Cancer Screening. *American Journal of Preventive Medicine*. 2020 Feb; 58(2):175–181. doi: 10.1016/j.amepre.2019.09.002. PubMed PMID: 31959320.
9. **Samuel, C.A.**, *Spencer, J., Rosenstein, D. L., Reeder-Hayes, K. E., Manning, M.L., Sellers, J. B., Wheeler, S. B. Racial Differences in Employment and Cost-Management Behaviors in Patients with Metastatic Breast Cancer. *Breast Cancer Research and Treatment*. 2019 Sept. doi: 10.1007/s10549-019-05449-9. [Epub 2019 Sept 25]. PubMed PMID:31555940.
10. **Samuel, C.A.**, *Mbah, O., Schaal, J., Eng, E., *Black, K., Baker, S., Ellis, K., *Guerrab, F., *Jordan, L., Lightfoot, A., Robertson, L., Yongue, C., Cykert, S. The Role Patient-Physician Relationship on Health Related Quality of Life and Pain in Cancer Patients. *Supportive Care in Cancer*. 2019 Oct; doi: 10.1007/s00520-019-05070-y. [Epub 2019 October 16]. PMID: 31620925.
11. **Samuel, C.A.**, Corbie-Smith, G., Cykert, S. Racial/Ethnic Disparities in Pain Burden and, Pain Management in the Context of, Opioid Overdose Risk. *Current Epidemiology Reports*. 2019 May. doi: 10.1007/s40471-019-00202-8. [Epub 2019 April 29].
12. *Black, K.Z., Lightfoot, A.F., Schaal, J.C., Mouw, M.S., Yongue, C., **Samuel, C.A.**, *Faustin, Y.F., Ackert, K.L., Akins, B., Baker, S.L., Foley, K., Hilton, A.R., Mann-Jackson, L., Robertson, L.B., Shin, J.Y., Yonas, M., Eng, E. *It's like you don't have a roadmap really*: Using an antiracism framework to analyze patients' encounters in the cancer system. *Ethnicity & Health*. 2018 Dec; 13:1-21. doi: 10.1080/13557858.2018.1557114. [Epub ahead of print]. PubMed PMID: 30543116.
13. *++Richmond, J., *Mbah, O., *Dard, J., *Cools, **Samuel, C. A.**, Khan, J., Manning, M. Pre-empting Racial Inequities in Lung Cancer Screening. *American Journal of Preventive Medicine*. 2018 Dec;55(6): 908-912. doi: 10.1016/j.amepre.2018.07.023. [Epub 2018 Oct 19]. PubMed: 30344035
14. Elk, R., Felder, T., *Cayir, E., **Samuel C. A.** Social Inequalities in Palliative Care for Cancer Patients in the US: A Structured Review. *Seminars in Oncology Nursing*. 2018 August; 34(3): 303-315. doi: 10.1016/j.soncn.2018.06.011. [Epub 2018 August 23]. PubMed PMID: 30146346.
15. **Samuel, C.A.**, Schaal, J., Robertson, L., *Kollie, J., Baker, S., *Black, K., *Mbah, O., Dixon, C., Ellis, K., Eng, E., Guerrab, F., Jones, N., *Kotey, A., Morse, C., Taylor, J., Whitt, V., Cykert, S. Racial differences in symptom management experiences during breast cancer treatment. *Supportive Care in Cancer*. 2018 May;56(5):1425-1435. doi: 10.1007/s00520-017-3965-4. [Epub 2017 November 18] PubMed PMID: 29150730.
16. *Spencer, J. C., **Samuel, C. A.**, Rosenstein, D. L., Reeder-Hayes, K. E., Manning, M. L., Sellers, J. B., Wheeler, B. S. Oncology navigators' perceptions of cancer-related financial burden and financial assistance resources. *Supportive Care in Cancer*. 2018 April;26(4): 1315-1321. doi: 10.1007/s00520-017-3958-3. [Epub 2017 November 9]. PubMed PMID: 29124417.

17. **Samuel, C. A.**, *Turner, K., Donovan, H. A.S., Beckjord, E, *Cardy, A., Dew, M. A., van Londen, G. Provider perspectives on barriers and facilitators to adjuvant endocrine therapy-related symptom management. *Supportive Care in Cancer*. 2017 Dec;25(12):3723-3731. doi: 10.1007/s00520-017-3799-0. [Epub 2017 July 06] PubMed PMID: 28681126.
18. *++**Samuel, C. A.**, Lightfoot, A. F., Schaal, J., Yongue, C., *Black, K., Ellis, K., Robertson, L., Smith, B., Jones, N., Foley, K., *Kollie, J., *Mayhand, A., Morse, C., *Guerrab, F., Eng, E. Establishing New Community-Based Participatory Research Partnerships using the Community-Based Participatory Research Charrette Model: Lessons from the Cancer Health Accountability for Managing Pain and Symptoms Study. *Progress in Community Health Partnerships: Research, Education, and Action*. 2018 Spring; 12(1):89-99. doi: 10.1353/cpr.2018.0010. PubMed PMID: 29606697
19. *Pinheiro L.C., Tan X., Olshan A.F., Wheeler S.B., Reeder-Hayes K.E., **Samuel C.A.**, Reeve B.B.. Examining Health-Related Quality of Life Patterns in Women with Breast Cancer. *Quality of Life Research*. 2017 July;26(7):1733-1743. doi: 10.1007/s11136-017-1533-5. [Epub 2017 Feb 28] PubMed PMID: 28247314.
20. *Pinheiro, L.C., Wheeler, S.B., Reeder-Hayes, K.E., **Samuel, C.A.**, Olshan, A.F., Reeve, B.B. Investigating Associations Between Health-Related Quality of Life and Endocrine Therapy Underuse in Women with Early Stage Breast Cancer. *Journal of Oncology Practice*. 2017 May;13(5):e463-e473. doi: 10.1200/JOP.2016.018630. [Epub 2017 Mar 14]. PubMed: PMID: 28291383.
21. *++Turner, K., **Samuel, C.A.**, Donovan, H., Beckjord, E., Cardy, A., Dew, M.A., van Londen, G.J. Provider Perspectives on Patient-Provider Communication for Adjuvant Endocrine Therapy Symptom Management. *Supportive Care in Cancer*. 2017 April; 25(4): 1055-1061. doi:10.1007/s00520-016-3491-9. [Epub 2016 Nov 18]. PubMed PMID: 27864628
22. **Samuel, C. A.**, *Pinheiro, L., Reeder-Hayes, K., Walker, J., Corbie-Smith, G., *Fashaw, S., Woods-Giscombe, C., Wheeler, S. To Be Young, Black, and Living with Breast Cancer: A Systematic Review of Health-Related Quality of Life in Young Black Breast Cancer Survivors. *Breast Cancer Research and Treatment*. 2016 Nov;160(1):1-15. [Epub 2016 Sep 6]. PubMed PMID: 27601138.
23. *Pinheiro, L. C., **Samuel C. A.**, Reeder-Hayes K. E., Wheeler S. B., Olshan, A. F., Reeve, B. B. Understanding Racial Differences in Health-Related Quality of Life in a Population-Based Cohort of Breast Cancer Survivors. *Breast Cancer Research and Treatment*. 2016 Oct;159(3):535-43. doi: 10.1007/s10549-016-3965-y. [Epub 2016 Sep 1]. PubMed PMID: 27585477.
24. *Check, D., **Samuel, C. A.**, Rosenstein, D., Dusetzina, S. Investigation of Racial Disparities in Early Supportive Medication Use and End-of-Life Care Among Medicare Beneficiaries with Stage IV Breast Cancer. *Journal of Clinical Oncology*. 2016 July; 34(19): 2265-70 doi: 10.1200/JCO.2015.64.8162. [Epub 2016 May 9]. PubMed PMID: 27161968.
25. *Ellis, C. T., **Samuel, C.A.**, Stitzenberg, K. B. National Trends in Non-Operative Management of Rectal Adenocarcinoma. *Journal of Clinical Oncology*. 2016 May; 34(14):1644-51. doi: 10.1200/JCO.2015.64.2066. Epub 2016 Mar 28. PubMed PMID: 27022115.
26. **Samuel, C. A.**, Zaslavsky, A. M., Landrum, M. B., Lorenz, K., Keating, N. L. Developing and Evaluating Composite Measures of Cancer Care Quality. *Medical Care*. 2015 Jan; 53(1):54-63. doi: 10.1097/MLR.0000000000000257. PubMed PMID: 25373407.
27. **Samuel, C. A.**, Landrum, M. B., McNeil, B. J., Bozeman, S. R., Williams, C. D., Keating, N. L. Racial disparities in cancer care in the Veterans Affairs Healthcare System and the role of site of care. *American Journal of Public Health*. 2014 Sep;104 Suppl(4):S562-S571. doi: 10.2105/AJPH.2014.302079. PubMed PMID: 25100422.

28. **Samuel, C. A.** Area-level factors associated with electronic health record adoption and meaningful use in the Regional Extension Center Program. *Journal of the American Medical Informatics Association*. 2014 Nov-Dec; 21(6): 976-83. doi: 10.1136/amiajnl-2013-002347. [Epub 2014 May 5]. PubMed PMID: 24798687
29. **Samuel, C. A.**, King, J., Adetosoye, F., Samy, L., Furukawa, M. Engaging providers in underserved areas to adopt electronic health records. *American Journal of Managed Care*. 2013;19(3):229-234. PubMed PMID: 23544764.

Letters To The Editor

1. **Samuel, C. A.**, Keating, N. L. Samuel and Keating respond to clinical quality registries: engaging effectiveness data for quality improvement [letter]. *American Journal of Public Health*. 2014 Dec; 104;12:e10-e11. doi: 10.2105/AJPH.2014.302370. Epub 2014 Oct 16. PubMed PMID: 25320899.

Manuscripts In Review

1. Basch, E., Schrag, D., Henson, S., Jansen, J., Ginos, B., Carr, P., Spears, P.A., Jonsson, M., Stover, A.M., Deal, A.M., Bennett, A.V., Thanarajasingam, G., Rogak, L.J., Reeve, B.B., Snyder, C., Bruner, D., Cella, D., Kottschade, L.A., Perlmutter, J., Geoghegan, C., **Samuel-Ryals, C.A.**, Given, B., Mazza, G. L., Miller, R., Strasser, J.F., Zylla, D. M., Weiss, A., Dueck, A. C. Digital symptom monitoring with patient-reported outcomes in community oncology practices: a cluster randomized trial. Aug 2021. 10 pages.
2. Charlot, M., Stein, J.N., Wood, I., Forster, M., Damone, E., Baker, S., Emerson, M., **Samuel-Ryals, C.A.**, Yongue, C., Eng, E., Manning, M., Cykert, S. Effect of an Antiracism Intervention on Racial Disparities in Time to Lung Cancer Surgery. July 2021. 14 pages.
3. *Griesemer, I., Lightfoot, A.F., Robertson, L.B., Bosire, C., *Guerrab, F., Kotey, A., Alexander-Bratcher, K., Baker, S., Black, K., Dixon, C., Ellis, K., Foley, K., Goettsch, C., Moore, A., **Samuel, C.A.**, Smith, B., Yongue, C., Cykert, S., Eng, E. Examining nurse navigator support in an equity-focused quality improvement intervention to eliminate racial disparities in breast and lung cancer treatment completion. June 2020. 18 pages.

Manuscripts In Preparation (submission expected within the next six months)

1. **Samuel-Ryals, C.A.**, Tan, X., Corbie-Smith, G., Cykert, S., Elkins, W., *Mbah, O., Wang, M., Bensen, J., Reeve, B. Employing Latent Profile Analysis to Explore Patterns of Health Care Access among a Cohort of Cancer Patients. 20 Pages.
2. Wheeler, S.B., *Spencer, J.C., Manning, M.L., **Samuel-Ryals, C.A.**, Reeder-Hayes, K.E., Sellers, J.B., Rosenstein, D.L. Cancer-related Financial Burden among Metastatic Breast Cancer Patients. 15 pages.
3. **Samuel-Ryals, C.A.**, *Mbah, O., *Elkins, M., Charlot, M., Dueck, A., Ginos, B., Jansen, J., Schrag, D., Spears, P., Stover, Basch, E. Separate and Unequal: Examining the Role of Race and Site of Care on Patient-Reported Outcomes Among Patients with Metastatic Cancer (AFT-39). 20 pages.
4. *Elkins, W., Padilla, N.R., *Cutts, D., Jonsson, M., Johnson, M., Corbie-Smith, G., Cykert, S., Reeve, B.B., Bennett, A. V., Rosenstein, D.L., Sanoff, H., **Samuel-Ryals, C.A.** Engaging Diverse Patients and Families in the Visualization of Cancer-Related Patient-Reported Outcomes. 20 Pages.

Non-refereed Technical Report

1. United States Government Accountability Office. GAO Report -10-242: Spending, beneficiary cost sharing, and cost-containment efforts for high-cost drugs eligible for a specialty tier. Washington, DC: GAO, 2012. (*Report Contributor*)

Refereed Oral and Poster Presentations (underline indicates that the oral/poster presentation was given by Dr. Samuel)

1. Biddell, C.B., Petermann, V.M., Spees, L.P., Rosenstein, D., Manning, M., Gellin, M., Padilla, N., Birken, S., **Samuel-Ryals, C.**, Reeder-Hayes, K, Cabarrus, K., Wheeler, S.B. Use of process mapping to inform the implementation of financial navigation in rural and non-rural oncology care settings. *AcademyHealth 14th Annual Conference on the Science of Dissemination and Implementation in Health*. December 2021.

2. Petermann, V.M., Biddell, C.B., Spees, L.P., Rosenstein, D., Manning, M., Gellin, M., Padilla, N., Birken, S, **Samuel-Ryals, C.**, Reeder-Hayes, K., Cabarrus, K., Wheeler, S.B., Using the Organizational Readiness for Implementing Change scale and perceptions of barriers and facilitators to implementation success as tools for stakeholder engagement. AcademyHealth 14th Annual Conference on the Science of Dissemination and Implementation in Health. December 2021.
3. **Jazowski S.A., **Samuel-Ryals C.A.**, Wood W.A., Zullig L.L., Trogon J.G., Dusetzina S.B. Do Medicare Part D Low-Income Subsidies Narrow Disparities in Orally-Administered Antimyeloma Treatment Initiation? AcademyHealth Annual Research Meeting (virtual). Jun 14-17, 2021.
4. **Samuel, C. A.**, *Mbah, O., *Elkins, W., Charlot, M., Dueck, A., Ginos, B.F., Jansen, J., Schrag, D., Spears, P., Stover, A., Basch, E. Separate and unequal: Examining the role of race and site of care on patient-reported outcomes among patients with metastatic cancer (AFT-39). Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Accepted Poster Presentation*. Virtual; October 2020.
5. *Elkins, W., Padilla, N.R., *Cutts, D., Jonsson, M., Johnson, M., Corbie-Smith, G., Cykert, S., Reeve, B.B., Bennett, A. V., Rosenstein, D.L., Sanoff, H., **Samuel, C.A.** Engaging Diverse Patients and Families in the Visualization of Cancer-Related Patient-Reported Outcomes. Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Accepted Poster Presentation*. Virtual; October 2020.
6. **Samuel, C. A.**, *Elkins, W., Tan, X., Corbie-Smith, G., Cykert, S., *Mbah, O., Padilla, N.R., Bensen, J.T., Farnan, L., Bennett, A. V., Rosenstein, D., Sanoff, H., Reeve, B.B. Racial Disparities in Patterns of Health Care Access in a Cohort of Cancer Survivors: A Latent Profile Analysis Approach. AcademyHealth Annual Research Meeting; *Accepted Oral Presentation*. Virtual; July 2020.
7. **Samuel, C. A.**, *Elkins, W., Tan, X., Corbie-Smith, G., Cykert, S., *Mbah, O., Padilla, N.R., Bensen, J.T., Farnan, L., Bennett, A. V., Rosenstein, D., Sanoff, H., Reeve, B.B. Explaining Racial Disparities in Cancer-Related Pain: Are They Driven By Health Care Access or Social Determinants of Health? AcademyHealth Annual Research Meeting; *Accepted Poster Presentation*. Virtual; July 2020.
8. **Samuel, C.A.**, *Mbah, O.M., Peacock-Hinton, S., Cross, S., Reeve, B.B, Dusetzina, S.B. Evaluating the Contribution of Patient-Provider Communication and Cancer Diagnosis to Racial Differences in End-of-Life Care Among Medicare Beneficiaries. AcademyHealth Annual Research Meeting; *Accepted Poster Presentation*. Virtual; July 2020.
9. **Samuel, C.A.**, Smith, A., Chen, R., *Elkins, W., *Richmond, J., Mahbooba, A., Mueller, D.E., Basch, E., Antonia, A. V., Chung, A.E., Reeve, B.B. Racial Differences in Feasibility and Perceived Value of Electronic Symptom Monitoring in a Cohort of Black and White Bladder and Prostate Cancer Patients. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Poster Presentation*. San Francisco, CA; November 2019.
10. *Elkins, W., *Mbah, O., Bensen, J.T., Farnan, L., Padilla, N.R., Cykert, S., Reeve, B.B., Corbie-Smith, G., **Samuel, C.A.** Impact of Racial Differences in Financial Burden on Health-Related Quality of Life. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Poster Presentation*. San Francisco, CA; November 2019.
11. *Mbah, O., *Elkins, W., **Samuel, C. A.** Racial and Ethnic Disparities in Employment Challenges among Cancer Survivors. American Public Health Association Annual Research Meeting; *Poster Presentation*. Philadelphia, PA; November 2019.
12. *Mbah, O., *Elkins, W., **Samuel, C. A.** Racial/Ethnic Disparities in Health Insurance Access among Cancer Patients Post Implementation of the Affordable Care Act. AcademyHealth Annual Research Meeting; *Poster Presentation*. Washington, DC; June 2019.

13. *Mbah, O., Schaal, J., Cykert, S., Eng, E., Robertson, L., Baker, S., *Black, K. Z., Dixon, C., Ellis, K., *Elkins, W., Guerrab, F., Jordan, L., Lightfoot, A., Padilla, N., **Samuel, C. A.** Associations between the Patient-Physician Relationship and Health-Related Quality of Life among Cancer Patients. American Society for Clinical Oncology- Palliative and Supportive Care in Oncology Symposium; *Poster Presentation*. San Diego, CA; November 2018.
14. **Samuel, C. A.**, Schaal, J., *Mbah, O., Eng, E., Robertson, L., Baker, S., *Black, K. Z., Dixon, C., Ellis, K., *Guerrab, F., Jordan, L., Lightfoot, A., Cykert, S. Examining the role of perceived respect on racial disparities in cancer-related pain. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Poster Presentation*. New Orleans, LA; November 2018.
15. **Samuel, C. A.**, Schaal, J., *Mbah, O., *Elkins, W., Robertson, L., Baker, S., Black, K. Z., Dixon, C., Ellis, K., Eng, E., *Guerrab, F., *Jordan, L., Lightfoot, A., Padilla, N., Younge, C., Cykert, S. Racial and Educational Differences in Symptom Burden and Supportive Care among Breast Cancer Patients Undergoing Chemotherapy. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Poster Presentation*. New Orleans, LA; November 2018.
16. **Samuel, C. A.**, *Spencer, J.C., Manning, M. L., Rosenstein, D. L., Reeder-Hayes, K. E., Sellers, J.B., Wheeler, S. B. Racial differences in financial toxicity among metastatic breast cancer patients. American Association for Cancer Research Conference on The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved; *Oral Presentation*. New Orleans, LA; November 2018.
17. Wheeler, S. B., *Spencer, J.C., Manning, M. L., **Samuel, C. A.**, Reeder-Hayes, K. E., Sellers, J.B., Rosenstein, D. L. Cancer-related financial burden among metastatic breast cancer patients. American Society for Clinical Oncology- Quality Care Symposium; *Oral Presentation*. Phoenix, AZ; October 2018.
18. *Spencer J.C., Manning M.L., Rosenstein, D.L., **Samuel, CA**, Reeder-Hayes, K.E., Sellers, J.B., Wheeler, S.B. "Health system stakeholder perceptions of financial assistance programs at a comprehensive cancer center" American Society for Clinical Oncology- Quality Care Symposium; *Poster Presentation*. Phoenix, AZ. October 2018.
19. *Mbah, O., Kinlaw, A., Trogdon, J., **Samuel, C. A.** The Affordable Care Act and Disparities in Colorectal Cancer Screening among Individuals 50 – 64 Years old. AcademyHealth Annual Research Meeting; *Poster Presentation*. Seattle, WA; June 2018.
20. *Mbah, O., Trogdon, J., **Samuel, C. A.** The Affordable Care Act and Disparities in Colorectal Cancer Screening among Individuals 50 – 64 Years old. GMAP Region 1-South Annual Cancer Health Disparities Research Symposium; *Oral Presentation*. Chapel Hill, NC; March 2018.
21. Lightfoot, A., Jones, N., **Samuel, C.A.**, *Black, K., Cykert, S., *Ellis, K., Eng, E., Foley, K., *Guerrab, F., Yongue, C., Jemeia, K., Morse, C., Robertson, L.B., Schaal, J., Smith, B. Building New Community-Based Participatory Research (CBPR) Partnerships using the CBPR Charrette Model: Lessons from the Cancer Health Accountability for Managing Pain and Symptoms (CHAMPS) Study. American Public Health Association Annual Meeting and Expo; *Oral Presentation*. Atlanta, GA; November 2017
22. **Samuel, C.A.**, Schaal, J., Robertson, L., Eng, E., *Kollie, G. K., Yongue, C., Foley, K., Smith, B., *Yee, M.K., *Black, K., *Ellis, K., Hoffman, L., Morse, C., Padilla, N., Cykert, S. Assessing Equity in Patient-Provider Communication Regarding Treatment-Related Symptoms and HRQOL among Breast Cancer Survivors. MASCC Annual Meeting on Supportive Care in Cancer; *Poster Presentation*. Washington, DC; June 2017.

23. *Kollie, G.K., Schaal, J., Robertson, L., Yongue, C., Eng, E., *Guerrab, F., Jones, N., Black, K., Ellis, K., *Kotey, A., Edwards, D., *Mbah, O., *Broadus, J., **Samuel, C.A.** Evaluating Racial Differences in Patient-Provider Decision Making Regarding Treatment-Related Symptom Management to Advance Supportive Cancer Care. MASCC Annual Meeting on Supportive Care in Cancer; *Poster Presentation*. Washington, DC; June 2017.
24. **Samuel, C.A.**, *Richmond, J., *Mbah, O., *Dard, S., *Jordan, L. *Cools, K., Khan, J., Manning, M. Evaluating Potential Racial Disparities in Utilization of Low-Dose Computed Tomography (LDCT) Screening in Lung Cancer. AcademyHealth Annual Research Meeting; *Poster Presentation*. New Orleans, LA; June 2017.
25. *Clary, A.S., *Hoffman, A., *Kupsh, A., DeVries, A., Cunningham, J., Holder, M.G., Kundapati, S.R., **Samuel C.A.** The Effect of Mobile Mammography on Completed Breast Cancer Screenings among Uninsured Women in a System of Federally Qualified Health Centers. Academy Health Annual Research Meeting; *Poster Presentation*. New Orleans, LA; June 2017.
26. Manning, M., Khan, J., *Richmond, J., *Mbah, O., *Dard, S., *Jordan, L. *Cools, K., **Samuel, C.A.**, Evaluation of race in the initial implementation of a low dose CT screening program for lung cancer to identify potential racial disparities. American College of Radiology Annual Meeting; *Oral Presentation*. Washington, D.C; May 2017.
27. **Samuel, C. A.**, Making Equity a Priority in Cancer Care Quality: Palliative and Supportive Care Equity (PaSCE) Across the Cancer Care Continuum. Geographic Management of Cancer Health Disparities Program (GMAP) Region 1-South Annual Symposium; *Oral Presentation*. Charleston, SC; March 2017.
28. *Clary, A.S., *Hoffman, A., *Kupsh, A., DeVries, A., Cunningham, J., Holder, M.G., Kundapati, S.R., **Samuel C.A.** The Effect of Mobile Mammography on Completed Breast Cancer Screenings among Uninsured Women in a System of Federally Qualified Health Centers. Geographic Management of Cancer Health Disparities Program (GMAP) Region 1-South Annual Symposium; *Poster Presentation*. Charleston, SC; March 2017.
29. *Mbah, O., *Richmond, J., *Dard, S., *Jordan, L. *Cools, K., Khan, J., Manning, M., **Samuel, C.A.** Pre-empting Potential Exacerbation in Lung Cancer Disparities through Equitable Implementation of Low-Dose Computed Tomography (LDCT) Screening. Geographic Management of Cancer Health Disparities Program (GMAP) Region 1-South Annual Symposium; *Poster Presentation*. Charleston, SC; March 2017.
30. *Kollie, J.G., Schaal, J., Robertson, L., Cykert, S., Eng, E., *Guerrab, F., Jones, N., *Black, K., *Ellis, K., *Kotey, A., Edwards, D., *Mbah, O., Broadus, J., **Samuel, C.A.** Using community-based participatory research to assess racial differences in patient-provider decision making regarding treatment-related symptom management. 38th Annual Minority Health Conference- Systems of Power: Recalling Our Past, Restructuring Our Future; *Poster Presentation*. Chapel Hill, NC; February 2017.
31. **Samuel, C. A.**, Robertson, L., Eng, E., *Kollie, G. K., Yongue, C., Foley, K., Smith, B., *Yee, M. K., *Black, K., *Ellis, K., Hoffman, L., Lightfoot, A., Morse, C., Padilla, N., Cykert, S. Equity in patient-provider communication regarding treatment-related symptoms and health-related quality of life (HRQOL) among breast cancer survivors. ASCO Palliative Care Symposium; *Poster Presentation*. San Francisco, CA; September 2016.
32. *Manning, M., Cykert, S., Eng, E., *Yee, M., Robertson, L., Hardy, C., Schaal, J., Heron, D., Jones, N., Foley, K., Smith, B., Lightfoot, A., **Samuel, C.**, Gizlice, Z. Reducing racial disparities in treatment for early stage lung cancer with a multimodal intervention. ASTRO Annual Meeting; *Oral Presentation*. Boston, MA; September 2016.
33. *Yee, M., Cykert, S., Eng, E., Manning, M. A., Robertson, L., Yongue, C., Schaal, J., Heron, D. E., Jones, N., Foley, K., Smith, B., Lightfoot, A., **Samuel, C. A.**, Gizlice, Z. Reducing racial treatment disparities for early stage breast and lung cancer utilizing a multimodal systems-based intervention. ASCO Annual Meeting; *Poster Presentation*. Chicago, IL; June 2016.

34. *Turner, K., **Samuel, C. A.**, AS Donovan, H., Van Londen, G. J. Patient-provider communication and decision making regarding adjuvant endocrine therapy-related symptom management: provider perspectives. ASCO Cancer Survivorship Symposium; *Poster Presentation*. San Francisco, CA; January 2016.
35. **Samuel, C. A.**, *Turner, K., AS Donovan, H., Van Londen, G. J. Provider perspectives on barriers and facilitators to adjuvant endocrine therapy-related symptom management. ASCO Cancer Survivorship Symposium; *Poster Presentation*. San Francisco, CA; January 2016.
36. *Ellis, C. T., **Samuel, C.A.**, Stitzenberg, K. National trends in non-operative management of rectal adenocarcinoma. ASCO Gastrointestinal Cancers Symposium; *Poster Presentation*. San Francisco, CA; January 2016.
37. **Samuel, C.A.**, Jones, N., *Black, K., Cothorn, C., Cykert, S., Eng, E., Lightfoot, A., Rasul, O., Robertson, L., Schaal, J., Hardy, C., Gold-Watts, A., Kowitt, S., Dardick, A., *Turner, K. Equity in managing pain and side effects from cancer treatment: Findings from photovoice and focus group interviews with breast cancer survivors. American Public Health Association; *Oral Presentation*. Chicago, IL; November 2015.
38. *Check, D., **Samuel, C. A.**, Rosenstein, D., Dusetzina, S. Racial differences in early symptom management in early symptom management, hospice use, and intensity of end-of-life care among elderly women with breast cancer. Academy Health Annual Research Meeting; *Oral Presentation*. San Diego, CA; June 2015.
39. *Check, D., **Samuel, C. A.**, Rosenstein, D., Dusetzina, S. Racial differences in early symptom management in early symptom management, hospice use, and intensity of end-of-life care among elderly women with breast cancer. Multinational Association for Supportive Cancer Care Annual Meeting; *Oral Presentation*. Copenhagen, DK; June 2015.
40. **Samuel, C. A.**, Zaslavsky, A. M., Landrum, M. B., Lorenz, K., Keating, N. L. Developing and evaluating composite measures of cancer care quality. American Society of Clinical Oncology Quality Symposium; *Oral Presentation*. Boston, MA; October 2014.
41. **Samuel, C. A.**, Landrum, M. B., McNeil, B. J., Bozeman, S. R., Williams, C. D., Keating, N. L. Racial disparities in cancer care in the Veterans Health Administration and the role of site of care. AcademyHealth Annual Research Meeting; *Oral Presentation*. Baltimore, MD; June 2013.
42. **Samuel, C. A.**, Landrum, M. B., McNeil, B. J., Bozeman, S. R., Williams, C. D., Keating, N. L. Racial disparities in cancer care in the Veterans Health Administration and the role of site of care. National Research Service Award Research Trainees Conference; *Oral Presentation*. Baltimore, MD; June 2013.
43. **Samuel, C. A.**, Landrum, M. B., McNeil, B. J., Lamont, E.B., Bozeman, S. R., Keating, N. L. Does hospital quality explain racial differences in early-stage lung cancer treatment in the Veterans Health Administration? National Institutes of Health Summit on the Science of Eliminating Health Disparities; *Poster Presentation*. National Harbor, MD; December 2012.

Non-refereed Oral Presentations (underline indicates that the oral presentation was given by Dr. Samuel)

44. **Samuel-Ryals, C.A.** Gaps Left by the ACA and Lessons for the Next Generation of Health Care Reform. National Cancer Policy Forum: Impact of the Affordable Care Act on Cancer Prevention and Care. *Invited Oral Presentation*. Washington, DC (Virtual); March 2021.
45. **Samuel-Ryals, C.A.**, Centering Racial Equity in Palliative and Supportive Cancer Care. UNC Lineberger Scientific Retreat. *Invited Oral Presentation*. Chapel Hill, NC (Virtual); December 2020.
46. **Samuel-Ryals, C.A.**, "Just Grin and Bear It!" - Palliative and Supportive Care Equity (PaSCE) in Cancer Care. UNC Health Care Biennial Dimensions of Diversity Conference: Providing Compassionate Patient Care in an Equitable and Inclusive Environment. *Keynote Speaker*. Chapel Hill, NC (Virtual); November 2020.

47. **Samuel-Ryals, C.A.** Health Equity Considerations in the Psychosocial and Socioeconomic Consequences of Cancer and Data Needs. National Cancer Policy Forum: Addressing the Adverse Consequences of Cancer Treatment Workshop. *Invited Oral Presentation*. Washington, DC (Virtual); November 2020.
48. **Samuel, C.A.**, "Just Grin and Bear It!" - Palliative and Supportive Care Equity (PaSCE) across the Cancer Care Continuum. Public Health Foundation Board Meeting; *Invited Oral Presentation*. Chapel Hill, NC; May 2018.
49. **Samuel, C. A.**. Making Equity a Priority in Cancer Care Quality: Palliative and Supportive Care Equity (PaSCE) Across the Cancer Care Continuum. Spring Research Luncheon with Dean Barbara Rimer; *Invited Oral Presentation*. Chapel Hill, NC; February 2016.
50. **Samuel, C. A.** The explicit and implicit disparities-related provisions within the Patient Protection and Affordable Care Act. University of Puerto Rico/Cambridge Health Alliance Research Center of Excellence Training Institute; *Oral Presentation*. San Juan, PR; December 2010.

TEACHING ACTIVITIES:

Associate Professor

January 2021-May 2021. Health Policy and Management. HPM 766 "Making Equity a Priority in Health Care Quality" (Graduate Course, 17 students), **University of North Carolina at Chapel Hill**

Assistant Professor

January 2020-May 2020. Health Policy and Management. HPM 766 "Making Equity a Priority in Health Care Quality" (Graduate Course, 22 students), **University of North Carolina at Chapel Hill**

January 2019-May 2019. Health Policy and Management. HPM 766 "Making Equity a Priority in Health Care Quality" (Graduate Course, 13 students), **University of North Carolina at Chapel Hill**

August 2017-December 2017. Health Policy and Management. HPM 766 "Making Equity a Priority in Cancer Care Quality" (Graduate Course, 8 students), **University of North Carolina at Chapel Hill**

August 2016-December 2016. Health Policy and Management. HPM 766 "Making Equity a Priority in Cancer Care Quality" (Graduate Course, 8 students), **University of North Carolina at Chapel Hill**

August 2016- December 2016. Health Policy and Management. HPM 496 "Readings in Health Policy and Management (Independent Study, 1 student)", **University of North Carolina at Chapel Hill**

June 2016- July 2016. Health Policy and Management. HPM 496 "Readings in Health Policy and Management (Independent Study, 1 student)", **University of North Carolina at Chapel Hill**

May 2016- June 2016. Health Policy and Management. HPM 496 "Readings in Health Policy and Management (Independent Study, 1 student)", **University of North Carolina at Chapel Hill**

January 2016- May 2016. Health Policy and Management. HPM 496 "Readings in Health Policy and Management (Independent Study, 1 student)", **University of North Carolina at Chapel Hill**

August 2015-December 2015. Health Policy and Management. HPM 766 "Making Equity a Priority in Cancer Care Quality" (Graduate Course, 8 students), **University of North Carolina at Chapel Hill**

Guest Lectures

February 2021. Presented "Palliative and Supportive Care Equity (PaSCE) in Cancer Care" to the UNC Palliative Care Fellows Education Seminar (taught by Dr. Gary Winzelberg). **University of North Carolina at Chapel Hill**.

March 2020. Presented "Charrettes and Multidimensional Assessment of Partnerships" to the Health Behavior graduate course HBEH 710 "Community Capacity, Competence and Power: Community-Based Participatory Research Approach and Photovoice Methodology" (taught by Dr. Eugenia Eng and Dr. Alexandra Lightfoot), **University of North Carolina at Chapel Hill**

April 2019. Presented "Just Grin and Bear It!" - Palliative and Supportive Care Equity (PaSCE) in Cancer Care" to the UNC Comprehensive Cancer Support Program and Palliative Care Grand Rounds, **University of North Carolina at Chapel Hill**.

April 2019. Presented "Just Grin and Bear It!" - Palliative and Supportive Care Equity (PaSCE) in Cancer Care" to the UNC Lineberger Cancer Outcomes Research Program Seminar and Health Policy and Management course HPM 769 "Cancer Outcomes Research Seminar" (taught by Dr. Stephanie Wheeler, Dr. Ethan Basch, and Dr. Matthew Nielsen), **University of North Carolina at Chapel Hill**.

April 2019. Presented "Charrettes and Multidimensional Assessment of Partnerships" to the Health Behavior graduate course HBEH 710 "Community Capacity, Competence and Power: Community-Based Participatory Research Approach and Photovoice Methodology" (taught by Dr. Eugenia Eng and Dr. Alexandra Lightfoot), **University of North Carolina at Chapel Hill**

September 2018. Presented "On the Road Ahead: From Health Care Inequities to Health Care Equity" to Health Policy and Management course HPM 350 "Introduction to Health Services Systems" (taught by Dr. Rebecca Slifkin), **University of North Carolina at Chapel Hill**

September 2018. Presented "On the Road Ahead: From Health Care Inequities to Health Care Equity" to Health Policy and Management graduate course HPM 873 "Research Seminar in Health Policy and Management" (taught by Dr. George Pink and Dr. Mark Holmes), **University of North Carolina at Chapel Hill**

September 2018. Presented "On the Road Ahead: From Health Care Inequities to Health Care Equity" to Health Policy and Management graduate course HPM 601 "Issues in Healthcare" (taught by Jeffrey Simms), **University of North Carolina at Chapel Hill**

March 2018. Presented "Systemic Barriers to Equity in Health and Health Care" to the Health Policy and Management undergraduate course HPM 697 "Capstone Course" (taught by Dr. Morris Weinberger), **University of North Carolina at Chapel Hill**

March 2018. Presented "Charrettes and Multidimensional Assessment of Partnerships" to the Health Behavior graduate course HBEH 710 "Community Capacity, Competence and Power: Community-Based Participatory Research Approach and Photovoice Methodology" (taught by Dr. Eugenia Eng and Dr. Alexandra Lightfoot), **University of North Carolina at Chapel Hill**

March 2017. Presented "Systemic Barriers to Equity in Health and Health Care" to the Health Policy and Management undergraduate course HPM 697 "Capstone Course" (taught by Dr. Morris Weinberger), **University of North Carolina at Chapel Hill**

November 2016. Presented "On the Road Ahead: From Cancer Care Disparities to Cancer Care Equity" to the Epidemiology graduate course EPID 771 "Cancer Epidemiology: Survivorship and Outcomes" (taught by Dr. Hazel Nichols), **University of North Carolina at Chapel Hill**

November 2016. Presented "On the Road Ahead: From Cancer Care Disparities to Cancer Care Equity," to the Health Policy and Management graduate course HPM 873 "Health Policy and Management Research Seminar" (taught by Dr. Shoou-Yih "Daniel" Lee), **University of North Carolina at Chapel**

April 2016. Presented "Understanding and Addressing Racial Disparities in Cancer Care: The Role of Systemic Factors" to the UNC Student Chapter of Academy Health, **University of North Carolina at Chapel**

March 2016. Presented "Systemic Barriers to Equity in Health and Health Care" to the Health Policy and Management undergraduate course HPM 697 "Capstone Course" (taught by Dr. Steve Orton), **University of North Carolina at Chapel Hill**

February 2016. Presented "Racial Disparities in Cancer Care in the Veterans Health Administration and the Role of Site of Care" to the Health Policy and Management graduate course HPM 953 "The Essentials of Practice Based Research" (taught by Dr. Sandra Greene), **University of North Carolina at Chapel Hill**

September 2014. Presented "Racial Disparities in Cancer Care in the Veterans Health Administration and the Role of Site of Care" to the Department of Psychology Carolina Seminar on Behavioral Research with Ethnic and Racial Minority Populations (led by Dr. Beth Kurtz-Costes), **University of North Carolina at Chapel Hill**

September 2014. Presented "Implementing the Institute of Medicine Definition of Racial/Ethnic Healthcare Disparities: An Application to Cancer Care in the Veterans Health Administration" to the Health Policy and Management graduate course HPM 873 "Health Policy and Management Research Seminar" (taught by Dr. Antonia Bennett), **University of North Carolina at Chapel Hill**

Teaching Fellow/ Assistant

January 2013- May 2013. Teaching Assistant and Course Curriculum Consultant in Global Health Leadership, Global Health Department. "Scaling Up Public Health Delivery for Impact (India)" (graduate course, 20 students), **Harvard School of Public Health (Massachusetts)**

September 2012- December 2012. Teaching Assistant and Course Curriculum Consultant in Global Health Leadership, Global Health Department. "Health Care in Resource Constrained Settings (Tanzania)" (graduate course, 17 students), **Harvard School of Public Health (Massachusetts)**

January 2012- May 2012. Teaching Fellow, Faculty of Arts and Science. "Medicine and Disease in Social Context" (undergraduate course, 18 students per section x 2), **Harvard University (Massachusetts)**

January 2011- May 2011. Teaching Fellow, Faculty of Arts and Science. "Medicine and Disease in Social Context" (undergraduate course, 18 students), **Harvard University (Massachusetts)**

August 2010- December 2010. Teaching Fellow, Faculty of Arts and Science. "The Business and Politics of Health" (undergraduate course, 17 students), **Harvard University (Massachusetts)**

January 2009- May 2009. Teaching Assistant, Terry Sanford Institute for Public Policy. "Introduction to U.S. Health Disparities" (undergraduate course, 30 students), **Duke University (North Carolina)**

Student Mentoring/Advising: Doctoral Dissertation Committee Chair

Wendi Elkins, PhD Student in Health Policy & Management "Impact of Specialty Tier Drugs on Pharmaceutical Initiation, Health Service Utilization, and Financial Well-Being for Medicare Beneficiaries" (2019-2021)

Olive Mbah, PhD Student in Health Policy & Management "Did Full Coverage for Preventive Services Change Persistent Racial/Ethnic Disparities in Colorectal Cancer Outcomes among Medicare Beneficiaries? The Role of Patient Experiences with Care and Community-Level Factors" (2018-2021)

Student Mentoring/Advising: Doctoral Dissertation Committee Member

Burcu Bozkurt, PhD Student in Health Policy & Management "Black-White Racial Disparities in Postpartum Care in the United States: Towards Better Measurement & Understanding of Black Birthing People's Experiences to Inform Evidence-Based Interventions" (2020-2022)

Soohyun Hwang, PhD Student in Health Policy & Management "Examining Multilevel Sources of Variation in Active Surveillance Among Medicare Beneficiaries" (2019-2021)

Shelly A. Jazowski, PhD Student in Health Policy & Management "Low-income Subsidies: Impact on Disparities, Treatment Use and Spending Among Medicare Beneficiaries with Multiple Myeloma" (2018-2021)

Cleo A. Samuel-Ryals, PhD
(maiden name "Samuel" used prior to October 2020)

Curriculum Vitae as of 6 October 2021

Sarah Cross, PhD Student in Sanford School of Public Policy "When the Policy is the Problem: How the Medicare Hospice Benefit Contributes to Hospice Underuse" *Doctoral Comprehensive Exam Committee* (2017-2018)

Laurie Stradley, DrPH Student in Health Policy & Management "Social Determinants of Health as Priorities for Local Public Health Agencies of North Carolina" (2015-2018)

Laura Pinheiro, PhD Student in Health Policy & Management "What Drives QOL Changes and Endocrine Therapy Initiation in Breast Cancer?" (2015-2017)

Student Mentoring/Advising: Masters Paper Committee Chair

Yuzhu, Xia, MSPH Student in Health Policy & Management "Examining the Mediating and Moderating Effect of Education and Health Literacy on Racial Disparities in Health-Related Quality of Life among Stage I/II Lung Cancer Patients" (2018-2019)

Student Mentoring/Advising: Masters Paper Committee Member

Shekinah Fashaw, MSPH Student in Health Policy & Management "How Do Determinants of Health, Impact Racial/Ethnic Disparities in Health Outcomes Among Older Adults?" (2016-2017)

Student Mentoring/Advising: Academic Advisor (*Indicates student is both an academic and research advisee)

Kendrel Cabarrus, MHA Student in Health Policy & Management (2020-Current)

Olufeyisayo Odeunmi, PhD Student in Health Policy & Management (2020-Current)

*Danielle Cutts, MSPH Student in Health Policy & Management (2019-Current)

*Wendi Elkins, PhD Student in Health Policy & Management (2017-Current)

*Olive Mbah, PhD Student in Health Policy & Management (2016-Current)

Chidera Agwu, MSPH Student in Health Policy & Management (2018-2020)

Courtney Deroo, MSPH Student in Health Policy & Management (2018-2020)

Tsion Ghedamu, MSPH Student in Health Policy & Management (2017-2019)

*Jessica Broadus, MSPH Student in Health Policy & Management (2016-2018)

*Shekinah Fashaw, MSPH Student in Health Policy & Management (2015-2017)

Zaire Graves, MSPH Student in Health Policy & Management (2015-2017)

Michelle Murphy, MHA Student in Health Policy & Management (2014-2016)

Amelia Younker, MPH Student in Health Policy & Management (2014-2015)

Student Mentoring/Advising: Research Advisor

Fatima Guerrab, BS Student in Public Health Education, North Carolina Central University (2017)

Younna Elkamhawy, BSPH Student in Health Policy & Management (2016-2017)

Alicia Mayhand, BS Student in Community Health Education, University of North Carolina at Greensboro (2016)

Clayton "Tyler" Ellis, NRSA Post-Doctoral Trainee at Cecil G. Sheps Center (2015-2016)

Devon Check, PhD Student in Health Policy & Management (2014-2016)

Student Mentoring/Advising: Research Supervisor (*Indicates student is both a researcher advisee and assistant)

Caleb Easterly, MD/PhD Student in Health Policy and Management (2019)

Mary Anne Szymeczek, MHA Student in Health Administration (2019-2020)

Sarah Cross, PhD Student in Sanford School of Public Policy, Duke University (2018-Current)

Jennifer Richmond, PhD Student in Health Behavior (2017-Current)

Yuzhu Xia, MSPH Student in Health Policy and Management (Spring 2019)

Lauren Jordan, MHA Student in Health Policy and Management (2017-2018)

Jemeia Kollie, BA Student in Anthropology and Global Health Studies (2015-2017)

Candace Gaillard, MHA Student in Health Policy & Management (Spring 2016)

Chinedum Orji, BS Student in Economics (2015-2016)

*Kea Turner, PhD Student in Health Policy & Management (2015-2016)

CONTRACTS and GRANTS:

Active

1R01CA240092-01	Wheeler, Rosenstein (PI)	7/1/19-6/30/23	10%
National Cancer Institute			\$394,847

Addressing Cancer-Related Financial Toxicity in Rural Oncology Care Settings

The goal of this project is to systematically assess the implementation and effectiveness of a financial navigation intervention in 5 rural oncology practices, with a goal of reducing financial toxicity and improving health outcomes in rural cancer patients.

Role: Co-Investigator

1K01CA218473-01A1	Samuel (PI)	4/1/18-3/31/23	75%
National Cancer Institute			\$799,921

Symptom and Healthcare Access Reporting and Evaluation (SHARE) for Supportive Care Equity

The proposed study will elucidate the contribution of health care access inequities to racial disparities in symptom burden in order to inform the development of a novel electronic patient-reported outcome (e-PRO) tool designed to routinely monitor symptoms and symptom-relevant health care access challenges. As part of this proposed mentored research scientist development award, Dr. Samuel will receive mentored research training in structural equation modeling; health informatics integration in clinical practice; the application of patient-reported outcomes in supportive cancer care; and longitudinal intervention study design and evaluation.

Role: Principal Investigator

2-U54-CA156733-06	Earp (PI)	9/1/15-8/31/21	8%
National Cancer Institute			\$420,177

NCCU-LCCC Partnership in Cancer Research - Administrative Core

The Administrative core is designed to keep minority disparities research a high priority at UNC Lineberger by continuing to develop in this area. A particular emphasis is made in attracting minority students, post-doc and junior faculty.

Role: Co-Investigator

Pending

No Number	Samuel-Ryals (PI)	7/1/2022-6/30/2027	40%
National Cancer Institute			\$2,477,842

Unpacking Racism-Induced Stress in Endometrial Cancer (UpRISE) Study

The objective of this community-engaged study is to delineate the impact of perceived racism on stress-related biomarker activity and aggressive endometrial cancer tumor pathology in Black women.

Role: Principal Investigator

Completed

Grant # N/A (Grant Award)	Samuel (PI)	7/1/18-6/30/19	No Salary Support
UNC Chapel Hill - University Research Council			\$7,500

Evaluating the Contribution of Patient-Provider Communication and Cancer Diagnosis to Racial Differences in End-of-Life Care among Medicare Beneficiaries.

The objective of this study is to examine the independent and joint contributions of patient-provider communication and cancer diagnosis to racial disparities in end-of-life care outcomes among Medicare beneficiaries. The University Council Research Award will provide bridge funds to support the preliminary data analysis component of this study.

Role: Principal Investigator

Grant A16-1447 (Grant Awarded)	Wheeler, Rosenstein (PI)	6/1/16-6/30/19	5%
National Comprehensive Cancer Network (NCCN)			\$295,485

Pfizer Independent Grants for Learning and Change (IGLC)

"Implementing and evaluating medication assistance programming in metastatic breast cancer (MBC)"

Our overarching goal is to develop medication assistance programming that optimizes outcomes for MBC patients (MBCPs) and can be disseminated regionally and nationally. Our specific objectives are to: (1) assess medication needs and financial toxicity among MBCPs; (2) map the processes by which patients, caregivers, and providers attempt to access financial support; and (3) develop a rigorous implementation and evaluation plan for expanding a novel medication assistance program in the context of existing care coordination and navigation services.

Role: Co-Investigator

Grant # N/A (Grant Award)	Samuel (PI)	1/1/18-12/31/18	No salary support
UNC Chapel Hill - IBM Junior Faculty Development Award			\$10,000

Evaluating the Contribution of Patient-Provider Communication and Cancer Diagnosis to Racial Differences in End-of-Life Care among Medicare Beneficiaries

The objective of this study is to examine the independent and joint contributions of patient-provider communication and cancer diagnosis to racial disparities in end-of-life care outcomes among Medicare beneficiaries. The IBM Junior Faculty Development Award will provide bridge funds to support the preliminary data analysis component of this study.

Role: Principal Investigator

2R25CA116339	Weiner, Basch, Reeve (co-PIs)	9/1/15-8/31/18	20%
National Cancer Institute			\$450,347

Cancer Care Quality Research Training Program

The goal of the Cancer Care Quality Training Program (CCQTP) is to train clinician and non-clinician scientists to work collaboratively in multidisciplinary research teams to improve cancer care quality.

Role: Co-Investigator

R01CA174453 (Administrative Supplement)	Reeve and Chen (co-PIs)	9/21/16 – 7/31/18	NCE
National Cancer Institute			\$98,387

PROMIS Validation in Prospective Population-based Prostate Cancer Research Study

This supplement investigates (1) whether routine use of PROMIS and other patient-reported measures in clinical practice is feasible and valuable for clinical management of symptoms among Black and White prostate and bladder cancer patients; and (2) whether feasibility and perceived value differ by race.

Role: Co-Investigator

1R01CA150980-04S1 (Diversity Supplement) Eng and Cykert (co-PIs) 4/1/15-3/31/18 75%
National Cancer Institute \$157,028
Accountability for Cancer Care through Undoing Racism and Equity (ACCURE) – Parent Award
Cancer Health Accountability for Managing Pain and Symptoms (CHAMPS) – Diversity Supplement Award
The CHAMPS pilot project builds on preliminary findings from ACCURE to examine the extent and consequences (e.g., quality of life, treatment completion/delays) of racial differences in cancer treatment-related symptoms and symptom management (i.e., palliative and supportive care) among stage I-IV breast cancer patients.
Role: Principal Investigator on Diversity Supplement Award; Co-Investigator on Parent Award

2KR691512 Samuel (PI) 11/1/15-10/31/17 No salary support
NC Translational and Clinical Sciences Institute (NC TraCS) \$2,000
The NC TraCS \$2K pilot award will provide additional funds to support the community engagement component of the CHAMPS study. The CHAMPS pilot project examines the extent and consequences (e.g., quality of life, treatment completion/delays) of racial differences in cancer treatment-related symptoms and symptom management (i.e., palliative and supportive care) among stage I-IV breast cancer patients.
Role: Principal Investigator

SERVICE:

Department Service

Health Policy & Management Executive Advisory Committee (2018-Current)

Health Policy & Management Diversity and Inclusion Council (2015-Current)

Health Policy & Management Education Task Force for Strategic Planning (2019)

Health Policy & Management Research Committee (2016-2018)

Health Policy & Management Marketing Sub-Committee for Strategic Planning (2016)

Health Policy & Management Health Informatics Faculty Search Committee (2014-2015)

School Service

Gillings School of Global Public Health Inclusive Excellence Council (2019-Current)

Gillings School of Global Public Health Diversity and Inclusion Working Group (2016-2018)

University Service

UNC Lineberger Comprehensive Cancer Center Equity Council (2020-Current)

UNC Lineberger Comprehensive Cancer Center Patient-Reported Outcomes Core Internal Advisory Board (2019-Current)

UNC Lineberger Comprehensive Cancer Center GMaP Cancer Disparities Workgroup (2016-2017)

National Service

Member, National Cancer Policy Forum, National Academies of Medicine (2020-Current)

Professional Service

Invited Journal Article Reviewer: *American Journal of Managed Care, Medical Care*

Faculty Engagement

Every Nation Campus Ministries, Chapel Hill NC, Ladies Leading Ladies (L3) Mentor (2015-2019)

Greensboro Health Disparities Collaborative, Greensboro NC, Member (2014-Current)

SKILLS and COMPETENCIES:

Computer/Programming: SAS, Dedoose

Language: Haitian-Creole (Conversant), French (Basic/Working Knowledge)