

EDUCATION

PhD, Health Policy and Management, Decision Sciences and Outcomes Research Minor (2018 -)
Gillings School of Global Public Health, University of North Carolina at Chapel Hill

Masters of Science in Public Health, Health Policy and Management (2018 - 2020)
Gillings School of Global Public Health, University of North Carolina at Chapel Hill

Master's Paper: Financial Barriers to Cervical Cancer Screening and Perceived Cost Burden:
An Analysis of Low-income, Under-screened Women in North Carolina. First Reader: Dr. Stephanie Wheeler

B.S. Biology, Minors in Chemistry and Medical Anthropology (May 2015)
University of North Carolina at Chapel Hill, Honors College
Cumulative GPA: 3.96/4.0

RESEARCH INTERESTS

Cancer care equity; financial toxicity, cancer care cost and value; health disparities; cost-effectiveness; 'big data' analytic methods and linkages; patient-centered care and the use of patient-reported outcomes in clinical practice; cervical cancer screening and prevention

RESEARCH

Refereed journal publications

Biddell CB, Spees LP, Petermann V, Rosenstein DL, Manning M, Gellin M, Padilla N, Birken S, Samuel-Ryals CA, Reeder-Hayes K, Deal AM, Cabarrus K, Bell RA, Strom C, DeAntonio PA, Young TH, King S, Leutner B, Vestal D, Wheeler SB. Financial Assistance Processes and Mechanisms in Rural and Non-rural Oncology Care Settings. *JCO Oncology Practice*. 2022:OP.21.00894.

Biddell CB, Kasow KA, Killela MK, Page K, Wheeler SB, Drier SW, Kelly MS, Robles JM, Spees LP. Understanding the financial and psychological impact of employment disruption among caregivers of pediatric HSCT recipients: a mixed methods analysis. *Support Care Cancer*. 2022 Feb 7:1–11. doi: 10.1007/s00520-022-06883-0. Epub ahead of print.

Biddell CB, Wheeler SB, Angove RSM, Gallagher KD, Anderson E, Kent EE, Spees LP. Racial and Ethnic Differences in the Financial Consequences of Cancer-related Employment Disruption. *Frontiers Oncology*. 2021;11(3020). PMID: 34395255

Oh NL, **Biddell C**, Rhodes B, Brewer N. A Meta-Analysis of the Effect of Provider Recommendation on HPV Vaccine Uptake. *Prev Med*. 2021 Jul;148:106554. doi: 10.1016/j.ypmed.2021.106554. Epub 2021 Apr 20. PMID: 33857561.

Biddell CB, Spees LP, Smith JS, Brewer NT, Des Marais AC, Sanusi BO, Hudgens MG, Barclay L, Jackson S, Kent EE, Wheeler SB. Perceived Financial Barriers to Cervical Cancer Screening and Associated Cost Burden Among Low-income, Under-screened Women. *J Womens Health (Larchmt)*. 2021 Apr 13. doi: 10.1089/jwh.2020.8807. Epub ahead of print. PMID: 33851854.

Biddell CB, Spees LP, Mayer DK, Wheeler SB, Trogdon J, Rotter J, Birken SA. Developing personalized survivorship care pathways in the United States: Existing resources and remaining challenges. *Cancer*. 2020. <https://doi.org/10.1002/cncr.33355>

Biddell CB, O'leary MC, Wheeler SB, Spees LP. Variation in Cervical Cancer Screening Preferences Among Medically Underserved Individuals in the US: A Systematic Review. *Cancer Epidemiol Biomarkers Prev*. 2020;29:1535–48.

Golin CE, Barkley BG, **Biddell C**, Wohl DA, Rosen DL. Great Expectations: HIV Risk Behaviors and Misperceptions of Low HIV Risk among Incarcerated Men. *AIDS and Behavior*. 2017 Mar 30; pp 1-14.

Selected refereed poster abstracts

Biddell CB, Petermann VP, Spees LP, Rosenstein D, Manning M, Gellin M, Padilla N, Birken S, Samuel-Ryals C, Reeder-Hayes K, Cabarrus K, Wheeler SB. “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)

Biddell CB, Johnson KT, Patel MD, Smith RL, Hecht HK, Swann JL, Mayorga ME, Hassmiller Lich K. “Bringing Communities to the Table: The Translation of State Guidance into Local Decision-Making during COVID-19.” AcademyHealth State and University Partnership Learning Network (September 2021).

Biddell CB, Wheeler SB, Angove RSM, Gallagher KD, Anderson E, Kent EE, Spees LP. “Racial/Ethnic Differences in the Financial Consequences of Cancer-related Employment Disruption.” AcademyHealth Annual Research Meeting (June 2021).

Spees LP, **Biddell CB**, Drier S, Page K, Kelly M, Wheeler SB, Kasow K. “Cleaning up the confetti:” The long-term financial impact of pediatric hematopoietic cell transplantation. Transplantation & Cellular Therapy Meetings of ASTCT and CIBMTR (February 2021).

Wheeler SB, Spees LP, **Biddell CB**, Rotter J, Trogdon JG, Birken SA, Mayer DK. “Development of a personalized follow-up care algorithm for Medicare breast cancer survivors.” ASCO Quality Care Symposium (October 2020).

Biddell C, Stover A. “Assessment of Financial Toxicity in Cancer Patients and Survivors: A Review of Patient-Reported Outcome Measures.” International Society for Quality of Life Research 26th Annual Conference in San Diego, CA (October 2019).

Research Experience

UNC Gillings School of Global Public Health; Lineberger Comprehensive Cancer Center

Chapel Hill, NC

Graduate Research Assistant

Aug 2018 – current

Projects:

Oct 2020 – current, Integrated Systems Model to Inform State and Local Level Planning for the COVID-19 Pandemic (PI: Kristen Hassmiller Lich)

- The objectives of this study are to understand the local, cross-sector decision landscape and decision-making processes involved in the public health response to the COVID-19 pandemic.

Jul 2020 – current, Research Collaboration with the Patient Advocate Foundation (PI: Caitlin Biddell)

- Survey work conducted to date has focused on the impact of cancer diagnosis and treatment on the ability to work and the impact of COVID-19 on financial distress, employment, and access to healthcare among patients diagnosed with chronic illness.

Nov 2019- current, Addressing Cancer-Related Financial Toxicity in Rural Oncology Care Settings

(PIs: Stephanie Wheeler, Don Rosenstein)

- The objectives of this study are to: (1) understand the practice-level determinants of FT-focused intervention implementation in rural oncology practices; (2) explore the extent to which practice-level technical support and tailored coaching can optimize FN intervention implementation in rural oncology practices; and (3) evaluate the effects of FN implementation on patient- and practice-level outcomes in rural oncology practices.

May - Sep 2019, Sep 2021 - current, Improving Provider Announcement Communication Training (IMPACT) - Budget impact, cost-effectiveness, and population outcomes of interventions to improve HPV vaccine communication and uptake in rural and urban communities (PI: Noel Brewer, Co-PDs: Stephanie Wheeler, Sachiko Ozawa)

- This P01 grant submission included four projects designed to increase HPV vaccine uptake through provider communication. The P01 was funded in 2021 and is now underway. Project 4 focuses on assessing, communicating, and comparing the budget impact and cost-effectiveness of three interventions.

Aug 2018 - current, Effect of HPV Self-Collection on Cervical Cancer Screening in High Risk Women

(PI: Jennifer Smith)

- This study employs a randomized controlled trial to investigate whether cervical cancer screening among under-

screened women could be improved with testing for human papillomavirus (HPV) using at-home self-collection kits delivered by mail. This study further explores the cost-effectiveness of such an intervention.

May 2020 – July 2021, Evaluating the financial impact of hematopoietic stem cell transplantation on pediatric patients and their families

(PI: Kimberly Kasow)

- The objectives of this study are to: (1) assess the prevalence of financial toxicity and the use of financial resources among families of pediatric HSCT recipients; (2) develop a deeper understanding of the financial needs of pediatric HSCT recipients and their families and identify the gaps in financial support for their medical and non-medical needs.

June 2019 – Jan 2021, Meta-Analysis of the Association Between Provider Recommendation and HPV Vaccine Uptake

(PI: Noel Brewer)

- This study employs meta-analytic techniques to examine the association between provider communication about the HPV vaccine and HPV vaccine uptake.

Jan 2019 – Aug 2020, Developing and Validating a Risk Stratification Framework for Breast Cancer Survivors

(PI: Stephanie Wheeler)

- This study will develop and validate a risk stratification framework, beginning with breast cancer survivors who constitute the largest share of cancer survivors who may benefit from such risk stratification, in response to the American Cancer Society Request for Proposal (RFP) to provide Coordination and Technical Assistance for the 2018 Patient Navigation & the Cancer Care Delivery Modeling Study.

UNC Center for AIDS Research (CFAR) - Social and Behavioral Sciences Research Core

Undergraduate Research Assistant

Chapel Hill, NC

Sep 2014 - Aug 2015

UNC School of Medicine - Division of Infectious Diseases

Undergraduate Research Intern

Chapel Hill, NC

Mar 2013 - May 2014

Project: Evaluation of Behavioral Intervention for HIV Positive Prisoners in NC and TX (imPACT Trial) (PI: David Wohl)

Dr. Lindsey Smith Taillie, UNC Gillings SPH - Department of Epidemiology

Undergraduate Research Assistant

Chapel Hill, NC

Mar - Aug 2013

GRANTS, CONTRACTS, AND FELLOWSHIPS

EMOT-ECON Dissertation Research Award

June 2022 – June 2023

UNC Cancer Care Quality Training Program Pre-doctoral Fellowship

August 2020 – July 2022

Cancer Prevention and Control Research Network (CPCRN) Scholars Program

January 2021 – September 2021

NIH Big Data 2 Knowledge (BD2K) Biomedical Graduate Training Program

August 2018 – July 2019

Health Policy & Management Departmental Tuition Supplement Award

August 2018 – May 2019

AWARDS AND HONORS

Jean G. Yates Outstanding Doctoral Student Award, UNC-CH Health Policy and Management (April 2022)

2022 Graduate Education Advancement Board (GEAB) Impact Award, UNC Chapel Hill (December 2021)

Passed Doctoral Qualifying Exams with Honors Distinction, UNC Chapel Hill (August 2021)

Cancer Outcomes Travel Award, Lineberger Comprehensive Cancer Center (October 2019)

Graduate Student Recognition External Awardee, UNC Chapel Hill Graduate School (April 2019)

Guiding Principle Award, Triage Consulting Group (2016, 2017)

Phi Beta Kappa, UNC Chapel Hill (2015)

Dean's List, UNC Chapel Hill (2011-2015, 8 semesters)

PROFESSIONAL EXPERIENCE

Triage Consulting Group	Atlanta, GA
Senior Associate Consultant	June 2017 – July 2018
▪ Oversaw a team of associates in comprehensive payment review engagements for multiple, large hospital systems, delivered suggestions for process improvement strategies and offered support on implementing strategic changes	
Associate Consultant	Sep 2015 – May 2017
▪ Audited and researched hospital claims data and institutional health insurance contracts to identify missed revenue opportunity	
NC Department of Health and Human Services - Tobacco Prevention and Control Branch	Raleigh, NC
Local Policy Intern	May, Jul - Aug 2014
▪ Manipulated a local policy database in the creation of data visualization dashboards	

PROFESSIONAL SERVICE AND MEMBERSHIP

Ad hoc reviewer	2020 - Present
<i>Journal of Clinical Oncology, JCO Oncology Practice, Breast Cancer Research and Treatment</i>	
Health Policy and Management Student Equity Collective	2020 - Present
PhD Advisory Committee Student Representative , UNC Health Policy & Management	2019 - Present
Member , AcademyHealth	2018 - Present
UNC Chapter Secretary , International Society for Pharmacoeconomics and Outcomes Research (ISPOR)	2018 - 2019
Poster Presentations Committee Member , UNC Minority Health Conference	2018 – 2019
Volunteer Certified Affordable Care Act Navigator , Legal Aid of North Carolina	2018

TRAININGS

ACCC Financial Advocacy Bootcamp	Jan 2021
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