

Hannah L. Crook

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EDUCATION

Vanderbilt University – Nashville, TN

Expected May 2025

PhD in Health Policy, Department of Health Policy

Dissertation Title and Description:

Payment Reform for Vulnerable Populations – In this dissertation, I evaluate the impact of value-based payment programs on three vulnerable populations: those dually eligible for Medicare and Medicaid, pregnant people, and Medicaid beneficiaries. Using various quasi-experimental and descriptive methods, I examine the effects of bundled payments and Accountable Care Organizations on healthcare costs and quality outcomes for these groups.

Dissertation Committee: John Graves (Chair), Carrie Fry, Melinda Buntin, Laura Keohane

Overall GPA: 4.0/4.0

University of North Carolina at Chapel Hill, Gillings School of Global Public Health – Chapel Hill, NC May 2019

Bachelor of Science in Public Health, Health Policy and Management | Minor, Spanish for the Health Professions

Overall GPA: 3.91/4.0

RESEARCH & PROFESSIONAL EXPERIENCE

Vanderbilt University Department of Health Policy – Nashville, TN

August 2021 – Present

Graduate Research Assistant

- Provided research support on projects related to healthcare payment and delivery reform, healthcare markets, insurance networks, and Medicaid.
- Developed and advanced own research agenda while also supporting ongoing departmental research projects.
- Led quantitative analyses using causal inference methodologies in multiple data sources, including large healthcare claims databases and survey data.

Duke-Margolis Center for Health Policy – Durham, NC and Washington, DC

June 2018 – July 2021

Research Assistant, Payment and Delivery System Reform (June 2019 – July 2021)

- Provided research assistant support on a series of projects related to healthcare payment and delivery reform, focusing on Accountable Care Organizations, state payment reform, Medicare Advantage, and payment reform implementation.
- Collaborated with the American Heart Association and internal research team to improve cardiovascular care in four key areas through multi-stakeholder learning collaboratives.
- Assisted in creating “roadmaps” to implementing payment reform both on a national and state scale, in collaboration with West Health.
- Managed timelines, staff, and research tasks to conduct a qualitative analysis of North Carolina’s Healthy Opportunity pilots, consisting of an expert stakeholder meeting, interviews, and case studies.
- Utilized qualitative and quantitative research methods on projects, resulting in reports, papers, and other works.
- Coordinated with other internal staff members and external parties to facilitate communication, organize timelines, and ensure team success.
- Developed various presentation materials for both internal and external groups, ranging from broad discussions of American health policy to targeted project proposals.

Intern (June 2018 – June 2019)

- Researched a variety of healthcare payment models, including Accountable Care Organizations, bundled payments, and other alternative payment models.
- Developed interview material and participated in interviews to examine how successful Accountable Care Organizations operate.
- Aided in the creation of a multi-party initiative to improve cardiovascular care through innovative learning collaboratives.
- Collaborated on published papers, posters, figures, and other graphics.

Public Health Intern

- Petitioned against the overuse of antibiotics on factory farms primarily through paper surveys and interacting with other advocates.
- Organized several meetings and events for the public health campaign in a variety of venues and formats.
- Led community outreach and education initiatives through in-person events and written/online materials.

TEACHING ACTIVITIES

- Teaching Assistant, Epidemiologic Theory and Methods I, Vanderbilt University Department of Epidemiology, 14 students. (Fall 2022)
- Course Assistant, Administrative Data Research, Vanderbilt University Department of Health Policy, 17 students. (Spring 2024)

PUBLICATIONS**Peer-Reviewed Publications**

- **Crook HL**, Horta M, Michelson KA, Graves JA. Performance of Health Care Service Area Definitions for Capturing Variation in Inpatient Care and Social Determinants of Health. (2024). *Health Services Research*. doi: 10.1111/1475-6773.14312. Online ahead of print.
- **Crook HL**, Graves JA, Fry CE. (2024). Primary Care Physician Network Overlap Between Medicaid and the Patient Protection and Affordable Care Act Marketplace. *JAMA Internal Medicine*. 184(5):577-579
- **Crook HL**, Zhao AT, Saunders RS. (2021). Analysis of Medicare Advantage Plans' Supplemental Benefits and Variation by County. *JAMA Network Open*. 4(6):e2114359
- Warner JJ, **Crook HL**, Whelan KM, Bleser WK, Roiland RA, Hamilton Lopez M, Saunders RS, Wang TY, Hernandez AF, McClellan MB, Califf RM, Brown N. (2020). Improving Cardiovascular Drug and Device Development and Evidence Through Patient-Centered Research and Clinical Trials: A Call to Action From the Value in Healthcare Initiative's Partnering With Regulators Learning Collaborative. *Circulation: Cardiovascular Quality and Outcomes*. 13(7):485-500
- Joynt Maddox K, Bleser WK, **Crook HL**, Nelson AJ, Hamilton Lopez M, Saunders RS, McClellan MB, Brown N. (2020). Advancing Value-Based Models for Heart Failure: A Call to Action From the Value in Healthcare Initiative's Value-Based Models Learning Collaborative. *Circulation: Cardiovascular Quality and Outcomes*. 13(5):248-260
- Bleser WK, Saunders RS, Winfield L, Japinga M, Smith N, Kaufman BG, **Crook H**, Muhlestein DB, McClellan MB. (2019). ACO Serious Illness Care: Survey and Case Studies Depict Current Challenges And Future Opportunities. *Health Affairs*. 38(6):1011-1020

Other Publications

- Sorenson C, Japinga M, **Crook H**. (2022). Low-Value Care De-implementation: Practices for Systemwide Reduction. *Article (NEJM Catalyst)*
- Bleser WK, Huber KM, **Crook HL**, Whitaker RG, Masand J, Zheng J, Nohira R, Lyn MJ, Saunders RS. (2022). North Carolina's COVID-19 Support Services Program: Lessons for Health Policy Programs to Address Social Needs. *Issue Brief (Milbank)*
- Bleser WK, Shen H, **Crook HL**, Thoumi A, Cholera R, Pearson J, Whitaker RG, Saunders RS. (2022). Pandemic-Driven Health Policies to Address Social Needs and Health Equity. *Health Policy Brief (Health Affairs)*
- **Crook HL**, Saunders RS, Roiland R, Higgins A, McClellan MB. (2021) A Decade of Value-Based Payment: Lessons Learned and Implications for the Center for Medicare and Medicaid Innovation. *Blog Post (Health Affairs Forefront)*
- **Crook HL**, Zheng J, Bleser WK, Whitaker RG, Masand J, Saunders RS. (2021). How Are Payment Reforms Addressing Social Determinants of Health? Policy Implications and Next Steps. *Issue Brief (Milbank)*
 - 2nd most-read Milbank Memorial Fund publication of 2021
- Sorenson C, Japinga M, **Crook H**, McClellan M. (2020). Building A Better Health Care System Post-COVID-19: Steps for Reducing Low-Value and Wasteful Care. *Commentary (NEJM Catalyst)*
- **Crook H**, Whitaker R, Kim A, Hesier S, McClellan MB. (2020). North Carolina's Health Care Transformation to Value: Progress to Date and Further Steps Needed. 81(3):191-194. *Commentary (North Carolina Medical Journal)*
- **Crook HL**, Saunders RS, Bleser WK, Broome T, Muhlestein D, McClellan MB. (2020). Leveraging Payment Reforms For COVID-19 And Beyond: Recommendations for Medicare ACOs And CMS's Interim Final Rule. *Blog Post (Health Affairs Forefront)*
- Bleser WK, Singletary E, **Crook HL**, Gonzalez-Smith J, Saunders RS, McClellan MB. (2020). Maintaining

Progress Toward Accountable Care and Payment Reform During a Pandemic, Part 2: Immediate Issues and Short-Term Actions. *Blog Post (Health Affairs Forefront)*

- Bleser WK, Singletary E, **Crook HL**, Gonzalez-Smith J, Saunders RS, McClellan MB. (2020). Maintaining Progress Toward Accountable Care and Payment Reform During a Pandemic, Part 1: Utilization and Financial Impact. *Blog Post (Health Affairs Forefront)*
- Gonzalez-Smith J, **Crook H**, Singletary E, Bleser W, Saunders R. (2020). How to Better Support Small Physician-led Accountable Care Organizations: Recent Program Updates, Challenges, and Policy Implications. *Issue Brief (Duke-Margolis Center, RWJF)*
- **Crook H**, Olson A, Alexander M, Boucher N, Taylor Jr DH, Saunders R. (2019). Improving Serious Illness Care in Medicare Advantage: New Regulatory Flexibility for Supplemental Benefits. *Issue Brief (Duke-Margolis Center, RWJF)*
- Bleser W, Saunders R, **Crook H**. (2019). Serious Illness Approaches by ACOs: Vidant Health's Coastal Plains Network ACO. *Case Study (Duke-Margolis Center, Leavitt Partners)*

PRESENTATIONS

Advancing Value-Based Models for Heart Failure August 2020
Poster Presentation
AcademyHealth Annual Research Meeting (virtual)

Network Overlap Between Medicaid and the ACA Marketplaces June 2023
Poster Presentation
AcademyHealth Annual Research Meeting (Seattle, WA)

Performance of Health Care Service Area Definitions for Capturing Variation in Inpatient Care and Social Determinants of Health June 2024
Poster Presentation
ASHEcon Annual Conference (San Diego, CA)

Mental Health Network Overlap between Medicaid and the ACA Marketplaces November 2024
Podium Presentation
APPAM Fall Research Conference (National Harbor, MD)

HONORS AND AWARDS

2021 – Present Russell G. Hamilton Scholar, Vanderbilt University
2021 – Present Graduate Student Fellowship, Vanderbilt University
2023, 2024 Graduate School Travel Award, Vanderbilt University
2019 Graduate with Highest Honors, University of North Carolina at Chapel Hill
2019 Graduate with Highest Distinction, University of North Carolina at Chapel Hill
2019 Delta Omega Undergraduate Award, University of North Carolina at Chapel Hill
2018 Weinberger Award for Distinction in the Junior Year, University of North Carolina at Chapel Hill
2018 Summer Internship Grant, University of North Carolina at Chapel Hill
2017 Study Abroad Scholarship, University of North Carolina at Chapel Hill
2015 – 2019 Dean's List, University of North Carolina at Chapel Hill

SERVICE AND LEADERSHIP

2024 Graduate Student Representative, Student Health Insurance Plan Committee
2023 – Present Secretary, AcademyHealth Student Chapter, Vanderbilt University
2023 – Present Health Policy Department Representative, Vanderbilt University Graduate Student Council

PROFESSIONAL AFFILIATIONS

AcademyHealth (2022 – Present)
ASHEcon (2024 – Present)

ADDITIONAL INFORMATION

- **Skills:** Experience in Stata, R, SAS, and Microsoft Office Suite