**Nathan W. Carroll**

**CONTACT INFORMATION**

Department of Health Service Administration

School of Health Professions

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**EDUCATION**

**2014** Ph.D. in Health Services Organization and Policy, Finance Cognate

 University of Michigan, Department of Health Management and Policy, Ann Arbor MI

Dissertation title: *“Access to Capital and Multihospital System Membership in the U.S. Hospital Industry”*

Dissertation advisors: John R.C. Wheeler and Dean G. Smith

**2008** Masters in Health Administration, Virginia Commonwealth University, Richmond, VA

**2004** Bachelor of Science in Commerce (Finance) and Economics

University of Virginia, McIntire School of Commerce, Charlottesville, VA

**PROFESSIONAL EXPERIENCE**

**2014-Present** Assistant Professor, Department of Health Services Administration,

University of Alabama at Birmingham

**2007-2009** Manager of Operations and Medical Informatics, Virginia Premier Health Plan,

 Richmond, VA

**2004-2006** Research and Program Development Consultant, American HealthCare,

Richmond, VA

**SCHOLARSHIP AND RESEARCH ACTIVITIES**

**Peer-reviewed publications:**

Hearld, LR, **NW Carroll**, AG Hall. The Adoption and Spread of Hospital Care Coordination Activities under Value-based Programs. Accepted at *American Journal of Managed Care*

**Carroll, NW**, LR Hearld, R Joseph. Hospital Ownership of Post-Acute Care Providers and the Cost of Care. Accepted at *Health Care Management Review*

**NW Carroll**, R Joseph, N Puro. Interventions to Address Medication-Related Causes of Hospital Readmissions: A Scoping Review. *Journal of Hospital Administration.* 8(4). 2019

Williams, JH, S Jarosek, **NW Carroll**, Y Fan, AG Hall. Thirty Day Hospital Readmissions after an Acute Myocardial Infarction in Black Men: Does Hospital System Affiliation Matter? *American Journal of Preventative Medicine.* 55(5). 2018.

Nadpara P, A Joyce, E Murrelle, **NW Carroll**, NV Carroll, M Barnard, B Zedler. Risk Factors for Serious Opioid-induced Respiratory Depression or Overdose: Comparison of Commercially Insured and Veterans Health Affairs Populations. *Pain Medicine.* 19(1).2018.

Hearld, LR, **NW Carroll**, KR Hearld, W Opoku-Agyeman. Correlates of Inter-organizational Relationship Strategies among Critical Access Hospitals. *Health Care Management Review.* 43(4). 2018.

Huang, SS, J Yang, **NW Carroll**. Taxes, Bankruptcy Costs, and Capital Structure in For-Profit and Not-For-Profit Hospitals. *Health Services Management Research.* 31(1). 2017.

**Carroll, NW** and JC Lord. The Growing Importance of Cost Accounting for Hospitals. *Journal of Health Care Finance.* 43(2). 2016

**Carroll, NW**, DG Smith, JRC Wheeler. Cash Reserves and System Membership: Does System Membership Improve Not-For-Profit Hospitals’ Access to Internal Capital by Reducing Optimal Cash Balances? *Journal of Health Care Finance.* 43(2). 2016

**Carroll NW**, DG Smith. Addressing the Healthcare Finance Faculty Shortage: Perspectives and Paths Forward. *Journal of Health Administration Education.* 33(2). 2016.

Hearld LR and **Carroll, NW.** Inter-organizational Relationship Trends of Critical Access Hospitals. *Journal of Rural Health*. 32(1). 2015.

**Carroll NW,** DG Smith, JRC Wheeler. Capital Investment by Independent and System Affiliated Hospitals. *Inquiry: The Journal of Health Care Organization, Provision and Financing.* 52(1). 2015.

Norton, EC, **NW Carroll**, MM Miller, K Coyne, JJ Wang, LC Kleinman. Computing Risk Ratios from Data with Complex Survey Design. *Health Services Outcomes and Research Methodology,* 14(1). 2014.

**Carroll, NW**, MP Dorsch. Costs of Providing Antiplatelet Medication for Percutaneous Coronary Intervention. *American Journal of Managed Care,* 12(17). 2011.

**Working papers**

**Carroll, NW**, J Clement. Hospital Performance in the First Six Years of Medicare’s Value Based Purchasing Program. *Under review at Medical Care Research and Review*

Attebery, T, L Hearld, J Szychowski, RM Weech-Maldonado, **NW Carroll**. Hospital Mergers and Patient Experience. *Under review at the Journal of Healthcare Management*

**Carroll, NW**, DG Smith, JRC Wheeler. The Cost of Capital, Leverage and System Membership: Does System Membership Help Hospitals Achieve Optimal Leverage? *Under review at Advances in Healthcare Management*

**Invited Lectures / Presentations / Posters / Panel Discussions**

**Carroll NW**, N Baidwan, B Ozaydin, N Puro, JJ Schmidt. (poster) “Analyzing Workers’ Compensation Claims and Costs Incurred Across a Spectrum of Occupations and States.” American Public Health Association Annual Meeting and Expo. November, 2019. Philadelphia, PA.

**Carroll NW** and J Clement. (podium presentation) “Hospital Performance in the First Six Years of Medicare’s Value Based Purchasing Program.” Academy of Management 2019 Annual Meeting. August 2019. Boston, MA.

**Carroll NW** and LR Hearld. (podium presentation) “Integration of Hospitals and Post-Acute Care Providers and the Cost of Care.” Academy of Management 2018 Annual Meeting. August 2018. Chicago, IL.

**Carroll NW** (panel moderator), MB Briscoe, K Granger, F Turner. “The Future of Health Care Finance” Health Care Financial Management Association Birmingham One Day Event. November 17, 2016.

**Carroll NW**, DG Smith, JRC Wheeler. “Access to Capital, Leverage and System Membership:

Does System Membership Help Not-For-Profit Hospitals Achieve Optimal Leverage?” (discussion paper) Academy of Management Annual Meeting. August 7, 2016. Anaheim, California.

**Carroll NW** (panel moderator), MB Briscoe, J Burkhart, R Snead. “The Future of Health Care Finance” (panel) 3th Annual National Symposium for Healthcare Executives. July 28, 2016. Destin, Florida.

Kleinman, LC and **NW Carroll**. “Obtaining Risk Ratios and Risk Differences from Logistic Regression” (invited presentation). Sixth Annual Academic Pediatric Association Conference for Pediatric Quality Improvement Methods, Research and Evaluation. April 29, 2016. Baltimore, Maryland.

**Carroll NW** (panel moderator), MB Briscoe, R Snead, M Griffin. “Sustaining a Financially Vibrant Healthcare Organization” (panel) 35th Annual National Symposium for Healthcare Executives. July 29, 2015. Destin, Florida.

**Carroll NW**, DG Smith, JRC Wheeler. “System Membership and Not-for-Profit Hospital Leverage” (poster) Academy Health Annual Research Meeting in Minneapolis, Minnesota, June 2015.

Kleinman, LC and **NW Carroll**. “Obtaining Risk Ratios and Risk Differences from Logistic Regression” (invited presentation). Fifth Annual Academic Pediatric Association Conference for Pediatric Quality Improvement Methods, Research and Evaluation. April 24, 2015. San Diego, California.

Kleinman, LC and **NW Carroll**. “Regression Risk Analysis Breakout Session” at the Fourth Annual Academic Pediatric Association Conference for Pediatric Quality Improvement Methods, Research and Evaluation. (invited presentation) May 2, 2014. Vancouver, Canada.

Carroll, NW. “Capital Investment by Independent and System-Affiliated Hospitals” at Department Symposium “Research to Improve Our Health System: 50 Years of Michigan Excellence.” (poster) May 11, 2012.

Carroll, NW. and D. Smith. “Multihospital System Membership: A Capital Idea?” at Michigan Healthcare Financial Management Association 2012 Fall Conference. (Invited presentation) November 12, 2012.

**TEACHING ACTIVITIES**

**Courses taught**

Spring 2019 – Present

HCS 660: Financial Management for Health Care Quality Leaders

University of Alabama at Birmingham, Department of Health Services Administration

*Master’s in Health Care Simulation (online): 3 credit hours*

Fall 2017 – Present

HA 623: Application of Health Care Finance Principles

University of Alabama at Birmingham, Department of Health Services Administration

*MSHA (residential): 3 credit hours*

Spring 2017 – Present (every other year)

AHD 705 – Healthcare Financial Management

University of Alabama at Birmingham, Department of Health Services Administration

*DSc (executive doctoral): 3 credit hours*

Fall 2015 – Present

HA 621: Healthcare Financial Management II

University of Alabama at Birmingham, Department of Health Services Administration

*MSHA (residential): 3 credit hours*

Spring 2015 - Present

HA 620: Healthcare Financial Management I

University of Alabama at Birmingham, Department of Health Services Administration

*MSHA (residential): 3 credit hours*

Fall 2014 - Present

AH 705: Seminar in Healthcare Finance

University of Alabama at Birmingham, Department of Health Services Administration

*Doctoral (Ph.D.): 3 credit hours*

Spring 2014 (Graduate student instructor)

HMP 606: Healthcare Managerial Accounting

University of Michigan, Department of Health Management and Policy

*MSHA (residential): 3 credit hours*

**Student advising**

*Doctoral committees*

In progress

 Jeremy Lyman (DSc)

Bob Peterson (DSc)

Katherine Meese (PhD)

Michael Malaise (DSc)

 Cesar Landeros (DSc)

Kena Norris (DSc)

2019 Neeraj Puro (PhD), Committee member

*“Three Essays in Hospital Financial Distress: Prediction, Antecedents, and Organizational Response”*

2018 Tim Attebery (DSc), Committee member

*“A Study to Examine the Relationship between Hospital Mergers and Patient Experience”*

Justin Lord (PhD), Committee member

*“Financial Distress- Causes and Consequences: An Examination of the Nursing Home Industry”*

2018 Keith Brady (DSc), Committee member

 *“Effects of Medicaid Expansion on the Financial Performance of Rural Hospitals”*

2017 Preston Simmons (DSc), Committee member

*“A Comparative Multiyear Assessment of Care Utilization Between Existing and Newly Enrolled Medicaid Populations within Washington State”*

2016 Lucas Higgman (DSc), Committee member

*“Examining the Relationship between Surgical Profiles and Financial Performance in Hospitals”*

2015 Kenneth Cochrane (DSc), Committee member

 *“The Effect of Health System Membership on Hospital Financial Performance”*

*Other advising activities*

2015-2019 Faculty Coach to UAB’s Health Administration Case Competition Team

2015-present Provide ad hoc advising to other case competition teams including NAHSE, Ohio State and HIMSS

**Guest lectures**

“Healthcare Finance I” Lecture to participants in the UAB Health System Certificate in Healthcare Management program. November 2018.

 “Healthcare Finance II” Lecture to participants in the UAB Health System Certificate in Healthcare Management program. January, 2016, 2017, 2018

“Things Every Hospital Financial Manager Should Know” Lecture to visiting students from the Masters in Hospital Management Degree program at Tsinghua University Shenzhen Graduate School, Institute for Hospital Management. July, 2015.; July, 2016.

**GRANTS AND CONTRACTS**

No number assigned Center for Healthcare Leadership (UAB) 3/2019

UAB Department of Pediatric Medicine

Financial Education Initiative for Division Directors (Contract)

Responsibilities: Create and deliver problem-based financial education to division directors within the UAB department of Pediatrics.

Total budget: $17,600

No number assigned James Rimmer (PI) 10/2018-3/2019

National Center on Health, Physical Activity and Disability (NCHPAD), Centers for Disease Control and Prevention (CDC). Supplemental Funding for the Lakeshore-UAB Healthcare to Health Promotion MENTOR Project

Role: Co-investigator

NSF1624690 Robert Weech-Maldonado (site PI) 11/2017-7/2018

UAB Site Phase 2: I/UCRC for Center for Health Organization Transformation (CHOT).

Project title: Identifying Best Practices in Readmission Reduction Programs

Role: Investigator (5% effort)

NSF1624690 Robert Weech-Maldonado (site PI) 7/2018-7/2019

UAB Site Phase 2: I/UCRC for Center for Health Organization Transformation (CHOT).

Project title: Evaluation of case management programs for workers’ compensation

Role: Investigator (8% effort)

Total budget: $44,900

**FELLOWSHIPS AND AWARDS**

Agency for Healthcare Research and Quality (AHRQ) Traineeship 2009-2011

Certified as a “Black Belt” in Lean Six Sigma Process Improvement 2008

 by the George Group Consulting and Virginia Tech University

A.D. Williams Award 2006

Stuart D. Ogren Scholar 2005

**SERVICE**

AUPHA Finance Committee Member 2019-Present

*Ad Hoc Reviewer*

 *Academy of Management (Annual Meeting)*

*American Journal of Managed Care*

 *American Journal of Pharmacy Benefits*

 *Clinical Obesity*

*European Academy of Management (Annual Conference)*

*Health Care Management Review*

*Health Services Management Research*

*Inquiry*

*Journal of Rural Health*

*Journal of Health Administration Education*

*Journal of Health Care for the Poor and Underserved*

*Medical Care Research and Review*

**Within UAB**

Admissions Committee (MSHA, E-MSHA), Member 2016 - Present

Academic Affairs Committee (School of Health Professions), Member 2015 - Present

Masters of Science in Health Administration (MSHA) Faculty Committee, Member 2015 – Present

Faculty Search Committee, Member 2019

Health Services Administration Faculty Profile Documentation Work Group, Member 2017 – 2018

**PROFESSIONAL ASSOCIATION MEMBERSHIPS**

Academy Health Member 2009 – Present

Healthcare Financial Management Association Member 2012 – Present

Assoc. of University Programs in Health Administration (AUPHA) Member 2014 – Present

Academy of Management, Health Care Management Division Member 2016 – Present