

BIOGRAPHICAL SKETCH

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NAME: Corrie Erin McDaniel

eRA COMMONS USER NAME (credential, e.g., agency login): MCDANIELCORRIE; ORCID ID: 0000-0002-5314-2075

POSITION TITLE: Associate Professor of Pediatrics

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Seattle Pacific University, Seattle WA	B.A.	06/2005	Classics & Ancient Languages
Midwestern University, Downers Grove IL	D.O.	06/2010	Medicine
Advocate Children's Hospital, Oak Lawn IL	Residency	06/2013	Pediatrics
University of Washington, Seattle WA	Certificate	10/2017	Quality Improvement and Implementation Science
University of Washington, Seattle WA	MPH	12/2024	Health Policy

A. Personal Statement

I am a physician-researcher dedicated to eliminating rural pediatric health disparities through health services research and policy analysis. As a pediatric hospitalist and investigator at Seattle Children's Hospital and the University of Washington, I bring expertise in rural health policy, large-scale database development, multi-institutional coalition building, and mixed-methods research.

My current AHRQ K08 supports development of the *Hospital Access and Location Ontology* (HALO) database, demonstrating my capacity to design novel data infrastructure for tracking healthcare service provision across geographic regions. Through the *Supporting Pediatric Access for Rural Kids* (SPARK) initiative, I have established partnerships with critical access hospitals across multiple states, building the collaborative infrastructure essential for community-engaged research. My recent MPH in Health Policy provides specific training in evaluating how policy changes affect vulnerable populations and safety-net programs.

This Tier 1 proposal leverages my expertise in rural health systems, data compilation across diverse sources, stakeholder engagement, and coalition building to establish the foundation for evaluating OBBBA's impacts on rural WWAMI communities. The project aligns directly with my track record of conducting policy-relevant research that centers equity and community partnerships.

1. **McDaniel, C. E.**, Ralston Daniel, M., Freyleue, S. D., Seryozhenkov, E., Peled, A., Amaravadi, H., Malla, N., & Leyenaar, J. K. (2025). Identifying Inpatient Pediatric Services Across National Datasets. *JAMA network open*, 8(6), e2513527. <https://doi.org/10.1001/jamanetworkopen.2025.13527>
2. **McDaniel, C. E.**, Richardson, T., Gay, J. C., Berry, J. G., & Hall, M. (2025). Categorizing Hospitals by Neonatal and Pediatric Diagnoses Treated. *Pediatrics*, 155(2), e2024067859. <https://doi.org/10.1542/peds.2024-067859>
3. **McDaniel CE**, Hall M, Berry JG. Trends in Distance Traveled for Common Pediatric Conditions for Rural-Residing Children. *JAMA Pediatr.* 2024 Jan 1;178(1):80-81. doi: 10.1001/jamapediatrics.2023.4945. PMID: 37983052; PMCID: PMC10660245.

Ongoing and recently completed projects that I would like to highlight include:

R01HD119441

Bardach (PI), Role: Co-Investigator

National Institute for Child Health and Development

Family Input for Quality and Safety Dissemination and Implementation

K08HS028683

McDaniel (PI)

09/01/2022-08/31/2027

Agency for Healthcare Research and Quality

Provision of Definitive Care for Children in Rural Hospitals

IHS-2018C2-12902

Leyenaar (PI), Role: sub-investigator

08/01/2019-07/31/2023

Patient Centered Outcomes Research Institute

Comparative Effectiveness of Direct Admission and Admissions through Emergency Departments for Children

Pediatric Acute & Critical Care Quality Network (Value in Inpatient Pediatrics) Award

McDaniel (PI)

01/2021-06/2023

American Academy of Pediatrics

Reducing Variability in Infant Sepsis Evaluation (REVISE II)

Clinical Research Scholars Award

McDaniel (PI)

10/01/2019-12/31/2021

Seattle Children's Research Institute

Development and Validation of Pediatric Hospital Admission Quality Measures

B. Positions and Honors

Positions and Employment

2013-2014 Chief Residency, Advocate Children's Hospital, Oak Lawn IL

2013-2014 Instructor of Pediatrics, Department of Pediatrics, Rosalind Franklin University, North Chicago IL

2014-2017 Clinical Assistant Professor, Department of Pediatrics, University of Washington, Seattle WA

2014-Present Pediatric Hospitalist, Department of Pediatrics, Seattle Children's Hospital, Seattle WA

2018-2023 Assistant Professor, Department of Pediatrics, University of Washington, Seattle WA

2023- Present Associate Professor, Department of Pediatrics, University of Washington, Seattle WA

Professional Memberships and Positions

Board Certifications

2013- Present General: Pediatrics, American Board of Pediatrics

2019- Present Subspecialty: Pediatric Hospital Medicine, American Board of Pediatrics

Memberships

2013- Present Fellow, American Academy of Pediatrics

2015- Present Member, Academic Pediatric Association

2025- Present Member, Society for Pediatric Research

Editorial Roles

2019-2023 Editorial board member, *Hospital Pediatrics*

2023-Present Assistant Editor, *Hospital Pediatrics*

Leadership Positions

2016-2018 Physician Lead, Providence St. Joseph Health System Pediatric Hospital Care Improvement

2019- Present Lead, Society for Hospital Medicine Subcommittee for Pediatric Community Hospital Medicine sub-committee on Research and Quality Improvement

2022-Present Steering Committee Member, AAP's Pediatric Acute & Critical Care Quality Network
2023-Present Director, Supporting Pediatric Access for Rural Kids (SPARK) initiative

Honors

2019 Mother Joseph Leadership Award, Providence St Joseph Health System
2019 Seattle Children's Hospital 2018 Greatest Impact Maintenance of Certification Project
2019 Society for Hospital Medicine "Top 10 Article for Pediatrics for 2018"
2019 Pediatric Hospital Medicine "Top 10 Article for Pediatric Hospital Medicine for 2019" for Association of Diagnostic Criteria With Urinary Tract Infection Prevalence in Bronchiolitis." *JAMA Pediatrics*.
2023 AAP's Pediatric Acute & Critical Care Network's "Project of the Year" for REVISE 2
2023 Pediatric Hospital Medicine "Top Research Abstract for 2023" for "Trends in Distance Traveled for Common Pediatric Conditions for Rural-Residing Children"
2023 Pediatric Hospital Medicine "Top Research Abstract for 2023" for "Improving guideline-concordant care for febrile infants through a quality improvement initiative: REVISE 2"
2024 *JAMA Network Open* Distinguished Reviewer

C. Contributions to Science

1. Rural Health Disparities and Access to Care

My research has demonstrated how rural residence systematically shapes children's access to care and survival. My research has shown that rural children face longer travel distances (**a, b**), higher rates of mental health hospitalization (**c**), and greater risks from preventable complications (**d**). During the COVID-19 pandemic, I documented how already limited capacity in rural hospitals translated into higher transfer rates and worse outcomes for rural children (**c**). Together, these studies established that geography is not a neutral factor but a structural determinant of pediatric outcomes. This body of work provides the empirical foundation for linking hospital infrastructure to child mortality and motivates the system-level analyses proposed in this application.

- a. Steiner MJ, Hall M, Sutton AG, Stephens JR, Leyenaar JK, Chase L, **McDaniel CE**. Pediatric Hospitalization Trends at Children's and General Hospitals, 2000-2019. *JAMA*. 2023 Nov 21;330(19):1906-1908. doi: 10.1001/jama.2023.19268. PMID: 37902774; PMCID: PMC10616761.
- b. **McDaniel CE**, Hall M, Berry JG. Trends in Distance Traveled for Common Pediatric Conditions for Rural-Residing Children. *JAMA Pediatr*. 2024 Jan 1;178(1):80-81. doi: 10.1001/jamapediatrics.2023.4945. PMID: 37983052; PMCID: PMC10660245.
- c. **McDaniel CE**, Hall M, Markham JL, Bettenjausen JL, Berry JG. Urban-Rural Hospitalization Rates for Pediatric Mental Health. *Pediatr*. e2023061256. Advance online publication. doi.org/10.1542/peds.2023-061256. PMID 37139706
- d. **McDaniel CE**, Leyenaar JK, Bryan MA, Test M, Sullivan E. Urban-rural disparities in interfacility transfers for children during COVID-19. *J Rural Health*. 2023;00:1-6. DOI: 10.1111/jrh.12746. PMID 36710077

2. Development of Healthcare Data Infrastructure

To overcome gaps in understanding where children can access hospital care, I developed the Hospital Access and Location Ontology (HALO) database (2011–2023), integrating multiple national datasets into a longitudinal resource. I created and validated new measures of pediatric capacity, including service-line prediction algorithms and related measures (**a, b, c**). I also advanced methods to classify hospitals by diagnoses treated rather than branding, producing more accurate categorizations of pediatric capability (**d**). These innovations established methodological infrastructure that directly supports this proposal's GRAPH Index and align with NIMHD's emphasis on data linkage, machine learning, and system-level determinants of disparities.

- a. **McDaniel, C. E.**, Ralston Daniel, M., Freyleue, S. D., Seryozhenkov, E., Peled, A., Amaravadi, H., Malla, N., & Leyenaar, J. K. (2025). Identifying Inpatient Pediatric Services Across National Datasets. *JAMA network open*, 8(6), e2513527. <https://doi.org/10.1001/jamanetworkopen.2025.13527>
- b. **McDaniel CE**, Lowry SJ, Ziniel SI, Freyleue S, Acquilano SC, Leyenaar JK. Development of the Pediatric Hospitalization Admission Survey of Experience (PHASE) Measure. *Pediatrics*. 2023 Sep 1;152(3):e2023061522. doi: 10.1542/peds.2023-061522. PMID: 37584105.

- c. **McDaniel CE**, White AA, Bradford MC, Sy CD, Chen T, Brock D, Foti J, Beck JB. The High-Value Care Rounding Tool: Development and Validity Evidence. *Acad Med*. 2018 Feb;93(2):199-206. doi: 10.1097/ACM.0000000000001873; PMID 28857791.
- d. **McDaniel, C. E.**, Richardson, T., Gay, J. C., Berry, J. G., & Hall, M. (2025). Categorizing Hospitals by Neonatal and Pediatric Diagnoses Treated. *Pediatrics*, 155(2), e2024067859. <https://doi.org/10.1542/peds.2024-067859>
3. *Improving Care and Outcomes for Children in General Hospitals.*
 More than half of hospitalized children in the U.S. receive care in community and general hospitals, yet little was known about quality or outcomes in these settings. I have led research quantifying variation in diagnostic practices, identifying disparities in outcomes, and evaluating opportunities for improvement outside of children's hospitals. For example, my work on diagnostic criteria for urinary tract infection in bronchiolitis demonstrated how definitional variability directly influences prevalence estimates and downstream management (**a**). I also co-led the REVISE II study, establishing national benchmarks for febrile infant care across 103 hospitals, revealing variation and disparities in adherence to evidence-based guidelines. (**b, c, d**). Together, these studies show that children hospitalized in general hospitals face systematically different diagnostic and outcome patterns than peers in children's hospitals, underscoring the need for system-level approaches to improving pediatric care in under-resourced settings.
- a. **McDaniel CE**, Ralston SL, Lucas B, Schroeder AR. "Association of Diagnostic Criteria With Urinary Tract Infection Prevalence in Bronchiolitis." *JAMA Pediatrics*. 2019 Jan 28. doi: 10.1001/jamapediatrics.2018.5091; PMID 30688987.
- b. **McDaniel CE**, Kerns E, Jennings B, Magee S, Biondi E, Flores R, Aronson PL; the AAP REVISE II QI Collaborative. Improving guideline-concordant care for febrile infants through a quality improvement initiative. *Pediatrics*. Published Online: April 29, 2024. DOI: 10.1542/2020-000123.
- c. **McDaniel, CE**, Truschel, L. L., Kerns, E., Polanco, Y. V., Liang, D., Gutman, C. K., Cunningham, S., Rooholamini, S. N., Thull-Freedman, J., Jennings, B., Magee, S., Aronson, P. L., & AAP REVISE II QI COLLABORATIVE (2024). Disparities in Guideline Adherence for Febrile Infants in a National Quality Improvement Project. *Pediatrics*, 154(3), e2024065922. <https://doi.org/10.1542/peds.2024-065922>
- d. Aronson PL, Louie JP, Kerns E, Jennings B, Magee S, Wang ME, Gupta N, Kovaleski C, McDaniel LM, **McDaniel CE**; AAP REVISE II QI Collaborative. Prevalence of Urinary Tract Infection, Bacteremia, and Meningitis Among Febrile Infants Aged 8 to 60 Days With SARS-CoV-2. *JAMA Network Open*. 2023 May 1;6(5):e2313354. doi: 10.1001/jamanetworkopen.2023.13354. PMID: 37171815; PMCID: PMC10182434.
4. *Expanding Rural and Community Representation in Pediatric Research.*
 Children in rural and community hospitals remain underrepresented in research, limiting generalizability and widening disparities. I have advanced strategies to broaden inclusion by identifying priority research questions, developing consensus-based trial methods, and creating frameworks for pragmatic, multi-site studies (**a, b**). My contributions highlight barriers to rural hospital participation and propose solutions for recruitment, retention, and site engagement (**c**). This work provides a roadmap for aligning pediatric research with the settings where children actually receive care, ensuring equity in evidence generation (**d**).
- a. Coon ER, **McDaniel CE**, Paciorkowski N, Grimshaw M, Frakes E, Ambroggio L, Auger KA, Cohen E, Garber M, Gill PJ, Jennings R, Joshi NS, Leyenaar JK, McCulloh R, Pantell MS, Sauers-Ford HS, Schroeder AR, Srivastava R, Wang ME, Wilson KM, Kaiser SV. Prioritization of Randomized Clinical Trial Questions for Children Hospitalized With Common Conditions: A Consensus Statement. *JAMA Netw Open*. 2024 May 1;7(5):e2411259. doi: 10.1001/jamanetworkopen.2024.11259. PubMed PMID: 38748429.
- b. Coon ER, Bonafide C, Cohen E, Heath A, **McDaniel CE**, Schroeder AR, Kaiser SV. HEROIC Trials to Answer Pragmatic Questions for Hospitalized Children. *Hosp Pediatr*. 2022 Sep 1;12(9):e312-e318. doi: 10.1542/hpeds.2022-006617. PubMed PMID: 35989332.
- c. **McDaniel CE**, Jennings R, Schroeder AR, Paciorkowski N, Hofmann M, Leyenaar J. Aligning Inpatient Pediatric Research With Settings of Care: A Call to Action. *Pediatrics*. 2019 May;143(5). doi: 10.1542/peds.2018-2648. Review. PubMed PMID: 31018987.
- d. **McDaniel, C. E.**, Richardson, T., Gay, J. C., Berry, J. G., & Hall, M. (2025). Categorizing Hospitals by Neonatal and Pediatric Diagnoses Treated. *Pediatrics*, 155(2), e2024067859. <https://doi.org/10.1542/peds.2024-067859>