

Wade N. Harrison, MD, MPH

Wade_Harrison@med.unc.edu

Education

- 2020-2022 **University of North Carolina at Chapel Hill**, Chapel Hill, NC
NRSA Primary Care Research Fellowship, Cecil G. Sheps Center for Health Services Research
- 2019-2020 **University of Utah and Primary Children's Hospital**, Salt Lake City, UT
Chief Residency in Pediatrics
- 2016-2019 **University of Utah and Primary Children's Hospital**, Salt Lake City, UT
Internship and Residency in Pediatrics
- 2010-2016 **Geisel School of Medicine at Dartmouth**, Hanover, NH
Doctor of Medicine with Honors
- 2013-2014 **The Dartmouth Institute for Health Policy and Clinical Practice**, Hanover, NH
Master of Public Health
- 2003-2007 **University of Colorado at Boulder**, Boulder, CO
Bachelor of Arts with Distinction. Majors in Integrative Physiology and Environmental, Population, and Organismic Biology. Minor in Political Science and Certificate in the Study and Practice of Leadership.

Professional Experience

- 2023-present **Associate Program Director**, Chapel Hill, NC
Pediatric Hospital Medicine Fellowship, Department of Pediatrics, University of North Carolina
- 2022-present **Assistant Professor**, Chapel Hill, NC
Division of Hospital Medicine, Department of Pediatrics, University of North Carolina
- 2022-present **Adjunct Assistant Professor**, Chapel Hill, NC
Public Health Leadership Program, Gillings School of Global Public Health, University of North Carolina
- 2020-2022 **Clinical Instructor**, Chapel Hill, NC
Division of Hospital Medicine, Department of Pediatrics, University of North Carolina
- 2019-2020 **Visiting Instructor**, Salt Lake City, UT
Division of Hospital Medicine, Department of Pediatrics, University of Utah
- 2014-2015 **Research Fellow and Project Manager**, Hanover, NH
The Dartmouth Institute for Health Policy and Clinical Practice
- 2011-2014 **Research Assistant**, Hanover, NH
The Dartmouth Institute for Health Policy and Clinical Practice
- 2008-2010 **Medical Assistant**, Fort Collins, CO
Salud Family Health Centers

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2006-2007 **Class Advisor / Teaching Assistant**, Boulder, CO
Presidents Leadership Class

2005-2006 **Assistant Director of Community Development**, Boulder, CO
Presidents Leadership Class

Certifications and Licensure

2020-present North Carolina State Medical Board
2017-2022 Utah State Medical Board
2019-present Board Certification in General Pediatrics, American Board of Pediatrics
exp. June 2024 Basic Life Support
exp. June 2024 Pediatric Advanced Life Support

Honors and Awards

2022 University of North Carolina Institute for Healthcare Quality Improvement: 2022-2023
Improvement Scholar
2018 Resident Travel Grant, Pediatric Hospital Medicine Conference
2016 Alpha Omega Alpha, Geisel School of Medicine at Dartmouth
2016 Saul Blatman Award for Excellence in Maternal and Child Health, Geisel School of
Medicine at Dartmouth
2016 Syvertsen Scholar, Geisel School of Medicine at Dartmouth
2010-2016 Urban Health Scholar, Geisel School of Medicine at Dartmouth
2014 Capstone Award [*Patient-Reported Outcome Measures in Chronic Disease: a systematic
policy review*], The Dartmouth Institute for Health Policy and Clinical Practice
2007 Phi Beta Kappa, University of Colorado at Boulder

Bibliography and Products of Scholarship

*Indicates senior author

Journal Articles, Refereed

1. Herrera A, Hall M, Alex Ahearn M, Ahuja A, Bradford K, Campbell R, Chatterjee A, Coletti H, Crowder V, Dancel R, Diaz M, Fuchs J, Guidici J, Lewis E, Stephens J, Sutton A, Sweeney A, Ward K, Weinberg S, Zwemer E, **Harrison W***. Differences in testing for drugs of abuse amongst racial and ethnic groups at children's hospitals. *J Hosp Med*. 2024 Feb 21. Epub ahead of print.
2. **Harrison, W**, Mittal, V, O'Toole, J, Quinonez, R, Mink R, Leyenaar, J. Child Health Needs and the Pediatric Hospital Medicine Workforce: 2020-2040. *Pediatrics*. 2024 Feb 1;153(Suppl 2):e2023063678M.
3. **Harrison, W** and Lockwood, J. Surviving Sepsis Screening: A Field Guide. *Hospital Pediatrics*. 2023; 13(9).
4. McLaurin-Jiang, S, **Harrison, W**, Flower, K. Car Seat Safety. *Pediatrics in Review*. 2023; 44(6). 346-348.
5. Asher, G, Feltner, C, **Harrison, W**, Schwimmer, E, Rains, C, Jonas, D. Serologic Screening for Genital Herpes: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force. *JAMA*. 2023; 329(6). 510.

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6. Ahearn, A, Stephens, J, Zwemer, E, Hall, M, Ahuja, A, Chatterjee, A, Coletti, H, Fuchs, J, Lewis, E, Liles, A, Read, E, Sutton, A, Sweeney, A, Weinberg, S, **Harrison, W***. Characteristics and outcomes of children discharged with nasoenteral feeding tubes. *Hospital Pediatrics*. 2022; 12(11). 969-980.
7. **Harrison, W**, Ritter, V, Flower, K, Seashore, C, McLaurin-Jiang, S. The Association Between Routine Car Seat Screening and Subsequent Health Care Utilization. *Hospital Pediatrics*. 2022; 12(11). 913-922.
8. **Harrison, W**, Kumar, A, Quinonez, R, Stephens, J. Things We Do for No Reason: Routinely Hospitalizing Children with Fecal Impaction for Inpatient Cleanouts. *Journal of Hospital Medicine*. 2022; 18(5). 439-443.
9. Gehle, S, Zwemer, E, **Harrison, W***. Limping Toward Improvement: The Value of Communicating Diagnostic Uncertainty. *Hospital Pediatrics*. 2022; 12(8). e288-e290..
10. Treasure, J, **Harrison, W**, Willer, R. High-Flow Nasal Cannula: The Challenge of Studying What Cannot Be Measured. *Hospital Pediatrics*. 2022; 12(1): e39-41.
11. Leyenaar, J, **Harrison, W**, Truelove, J, House, S, Freed, G, Leslie, L. Responsibilities and Interests of Pediatricians Practicing Hospital Medicine in the United States. *Journal of Hosp Med*. 2021; 16(1): 70-715.
12. Willer, R, Coon, E, **Harrison, W**, Ralston, R. Trends in Hospital Charges and Intensity of Services Provided for Children with Bronchiolitis Treated in Children's Hospitals. *JAMA Open*. 2021; 4(10): e2129920.
13. Ralston, S, House, S, **Harrison, W**, Hall, M. The Evolution of Quality Benchmarks for Bronchiolitis. *Pediatrics*. 2021; 148(3): e2021050710.
14. **Harrison, W**, Workman, J, Bonafide, C, Lockwood, J. Surviving Sepsis Screening: The Unintended Consequences of Continuous Surveillance. *Hospital Pediatrics*. 2020; 10(12): 1-4.
15. **Harrison, W**, Angoulvant, F, House, S, Gajdos, V, Ralston, S. Hypertonic Saline in Bronchiolitis and Type I Error: A Trial Sequential Analysis. *Pediatrics*. 2018; 142(3): e2018114.
16. **Harrison, W**, Wasserman, J, Goodman, D. Regional Variation in Neonatal Intensive Care Admissions and the Relationship to Bed Supply. *J Pediatrics*. 2018; 192: 73-79.
17. Nelson E, Dixon-Woods M, Batalden P, Homa K, Van Citters A, Morgan T, Eftimovska E, Fisher E, Ovretveit J, **Harrison W**, Lind C, Lindblad S. Patient focused registries can improve health, care, and science. *BMJ*. 2016; 354: i3319.
18. Brooks, C, **Harrison, W**, Ralston, S. Association Between Hypertonic Saline and Hospital Length of Stay in Acute Viral Bronchiolitis: A Reanalysis of 2 Meta-analyses. *JAMA Pediatr*. 2016; 170(6):577-84.
 - Named a Top 10 article at the 2016 Pediatric Hospital Medicine Conference
19. Ralston, S, **Harrison, W**, Wasserman, J, Goodman, D. Hospital Variation in Health Care Utilization by Children with Medical Complexity. *Pediatrics*. 2015; 136(5): 860-867.

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20. **Harrison, W**, Goodman, D. Epidemiologic Trends in Neonatal Intensive Care, 2007-2012. *JAMA Pediatr.* 2015;169(9): 855-862.
21. **Harrison, W**, Dick JF, III, Walsh T. Patient Preferences and End-of-Life Care: A Teachable Moment. *JAMA Intern Med.* 2015;175(7):1087-1088.

Other Reports

1. Goodman D, Little, G, **Harrison, W**, Moen, A, Mowitz, M, Ganduglia-Cazaban, C. *Dartmouth Atlas of Neonatal Intensive Care*. The Dartmouth Institute of Health Policy & Clinical Practice; 2019.

Presentations, International, National, or Regional

1. Mohammed, I, Ave, M, Corbett, K, DePrenger, A, Ahearn, A, **Harrison, W***. Lumbar Punctures and Viral Testing in Well-Appearing Febrile Infants Following Implementation of a Local Clinical Pathway. NCPeds Annual Meeting, Wilmington, NC, September 2023.
 - Selected as top 10 poster
2. Ahuja, A, Herrera, A, Hall, M, Ahearn, MA, Bradford, K, Campbell, RA, Chatterjee, A, Coletti, H, Crowder, V, Dancel, R, Diaz, M, Fuchs, J, Guidici, J, Lewis, E, Stephens, J, Sutton, A, Sweeney, A, Ward, K, Weinberg, S, Zwemer, E, **Harrison, W***. Racial Disparities in Drug of Abuse Testing at Children's Hospitals. Oral e-Poster: Pediatric Hospital Medicine Conference, Philadelphia, PA, August 2023.
3. Ave, M, Corbett, K, DePrenger, A, Mohammed, I, Ahearn, A, **Harrison, W***. Lumbar Punctures and Viral Testing in Well-Appearing Febrile Infants Following Implementation of a Local Clinical Pathway. 2023 Thomas F. Boat Evening of Scholarship, Chapel Hill, NC, May 2023.
4. **Harrison, W***, Herrera, A, Hall, M, Ahearn, MA, Ahuja, A, Bradford, K, Campbell, RA, Chatterjee, A, Coletti, H, Crowder, V, Dancel, R, Diaz, M, Fuchs, J, Guidici, J, Lewis, E, Stephens, J, Sutton, A, Sweeney, A, Ward, K, Weinberg, S, Zwemer, E. Racial Disparities in Drug of Abuse Testing at Children's Hospitals. Platform presentation: Pediatric Academic Societies Meeting, Washington, D.C., May 2023. (also selected for a poster presentation during PHM Club at PAS)
5. Campbell, RA, Herrera, A, Hall, M, Ahearn, MA, Ahuja, A, Bradford, K, Chatterjee, A, Coletti, H, Crowder, V, Dancel, R, Diaz, M, Fuchs, J, Guidici, J, Lewis, E, Stephens, J, Sutton, A, Sweeney, A, Ward, K, Weinberg, S, Zwemer, E, **Harrison, W***. Racial Disparities in Drug of Abuse Testing at Children's Hospitals. Platform presentation: Academic Pediatric Association Region 4 Meeting, Charlottesville, VA, February 2023.
 - Received award for Best Research Abstract by Junior Faculty
6. Coletti, H, Ahearn, AM, Stephens, J, Zwemer, E, Ahuja, A, Chatterjee, A, Fuchs, J, Lewis, E, Liles, A, Read, E, Sutton, A, Sweeney, A, Weinberg, S, **Harrison, W***. Characteristics and Outcomes of Children Discharged from the Hospital with Nasoenteral Feeding Tubes. Platform presentation: Pediatric Hospital Medicine Meeting, Orlando, FL, July 2022.
7. Lewis, E, Ahearn, AM, Stephens, J, Zwemer, E, Ahuja, A, Chatterjee, A, Coletti, H, Fuchs, J, Liles, A, Read, E, Sutton, A, Sweeney, A, Weinberg, S, **Harrison, W***. Characteristics and Outcomes of Children Discharged from the Hospital with Nasoenteral Feeding Tubes. Platform presentation: Pediatric Academic Societies Meeting, Denver, CO, April 2022.

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8. **Harrison, W**, Moloci, N, Domino, M.. Changes in Health Care Utilization for Substance Use Disorder during the COVID-19 Pandemic: Comparing the Experience of Children and Adults Covered By North Carolina Medicaid. Poster: Academy Health Annual Research Meeting, Virtual, June 2021.
9. **Harrison, W**, Ritter V, Flower K, Seashore C, McLaurin-Jiang S. The Association Between Routine Car Seat Tolerance Screening and Subsequent Health Care Utilization. Platform presentation: Pediatric Academic Societies Meeting, Virtual, May 2021.
10. **Harrison, W**, Ritter V, Flower K, Seashore C, McLaurin-Jiang S. The Association Between Routine Car Seat Tolerance Screening and Subsequent Health Care Utilization. Platform presentation: Academic Pediatric Association Region 4 Annual Meeting, Virtual, February 2021.
11. **Harrison, W**, Wasserman, J, Goodman, D. Geographic Variation and the Relationship between Bed Supply and Admission Rates to Neonatal Intensive Care Units. Poster: The Lown Conference, Chicago, IL, April 2016.
12. Goodman DC and **Harrison, W**. Regional Variation in Newborn Special Care in the U.S. Oral presentation at: The 6th Annual Wennberg International Collaborative. London, UK. September 2015.

Selected Media Interviews

1. Interviewed by Peter Biello. Dartmouth Study Raises Questions About Use of Neonatal Intensive Care. *All Things Considered*. New Hampshire Public Radio (NHPR). Aug. 11, 2015.
2. Interviewed by Virginia Hughes. Why Are So Many Newborns Going to Intensive Care? BuzzFeed News. Aug. 4, 2015.

Teaching

Courses

- | | |
|--------------|---|
| 2022-present | Instructor, PUBH 751: Critical Appraisal of the Health Literature I, Gillings School of Global Public Health, University of North Carolina
<i>20-25 MPH students. All students completing combined MD-MPH or DDS-MPH degrees, or preventive medicine residency. Course consists of weekly lectures and small group journal club discussions.</i> |
| 2023-present | Instructor, PUBH 752: Critical Appraisal of the Health Literature II, Gillings School of Global Public Health, University of North Carolina
<i>20-25 MPH students. All students completing combined MD-MPH or DDS-MPH degrees, or preventive medicine residency. Course consists of weekly lectures and small group journal club discussions.</i> |
| 2023-present | Instructor, PUBH 750: Strategies for Prevention for Clinicians, Gillings School of Global Public Health, University of North Carolina
<i>25-30 MPH students. All students completing combined MD-MPH or DDS-MPH degrees, or preventive medicine residency. Twice-weekly didactics and assignments focused on principles of screening, prevention measures, and evidence appraisal for medical and public health practitioners.</i> |
| 2020-2022 | Teaching Assistant, Undergraduate Medical Education Clinical Epidemiology and Evidence-Based Medicine Course, University of North Carolina School of Medicine |

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30 preclinical medical students. Two-year, 12-session longitudinal lecture and team-based learning course focused on principles of evidence-based medicine, critical appraisal, and clinical epidemiology.

2015 Teaching Assistant and Course Developer, Medical Care Epidemiology Short Course, University of Bern, Switzerland.
20 PhD students. Three-day course consisting of morning lectures and afternoon data analysis labs.

Lectures and Invited Talks

- Sept. 7, 2023 Guest faculty for Holderness Distinguished Scholars Program, University of North Carolina School of Medicine
Medical students selected as Holderness Scholars complete a 2-year fellowship consisting of mentored research combined with bi-weekly seminars. As a guest faculty I mentored a group of scholars in preparing and leading a seminar focused on critical appraisal and screening principles.
- Sept. 5, 2023 “Scholarly Opportunities and Research Resources at UNC”, Division of Pediatric Critical Care – Fellows Conference, Department of Pediatrics, University of North Carolina School of Medicine
- June 28, 2023 “Best Practices for Conducting and Responding to Peer Review”, Division of Hospital Medicine Faculty Meeting – Education, Department of Medicine, University of North Carolina School of Medicine
- Feb. 9, 2022 Alumni Panel Exploring Disparities in Access to and Equity in Care, PRLC 1820: Foundations and Applications of Leadership II (Health and Wellness Unit), Presidents Leadership Class, University of Colorado at Boulder
50 undergraduate students participating in a selective 4-year leadership program. Panel discussion focused on current issues in health care as part of 3-credit course towards to completion of a minor in Leadership Studies.
- Oct. 29, 2021 “Management of Young Febrile Infants”, Noon Conference, University of North Carolina
Jan. 27, 2023 Pediatric Residency
30-40 pediatric and internal medicine-pediatric residents plus medical students. 45 minute lecture.

Clinical Teaching

- 2020-present Supervise pediatric hospital medicine fellows, pediatric residents, and medical students on general inpatient wards and newborn nursery, North Carolina Children’s Hospital, University of North Carolina Chapel Hill
- 2019-2020 Supervise pediatric residents, family medicine residents, and medical students on general inpatient wards, short stay and observation unit, and level II nursery, Primary Children’s Hospital and Riverton Hospital, University of Utah School of Medicine
- 2019-2020 Precept pediatric residents, medical students, and physician assistant students in continuity clinic, South Main Clinic, University of Utah School of Medicine

Miscellaneous

Wade N. Harrison, MD, MPH

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2018-2020 Mentor and Stats Advisor, Resident Journal Club, University of Utah Pediatric Residency
2010-2011 Tutor, First year physiology course, Geisel School of Medicine at Dartmouth

Grants and Contracts

Research Support, Completed

HRSA T32HP14001	Jonas (PI)	7/2020-7/2022
National Research Service Award Primary Care Research Fellowship, Bureau of Health Professions \$2,000,000		
Role: Fellow		

Research Support, Completed

#71211	Nelson (PI)	9/2013-4/2014
Developing a Proposal to Import an Interactive Disease Registry to the United States, Robert Wood Johnson Foundation \$200,000		
Role: Research Associate		

Professional Service

Committees and Volunteer Activities, National

2023 Moderator, Oral Abstract Session: Health Services Research 1: Understanding and Mitigating Risk of Death, Pediatric Academic Societies Meeting (PAS), Washington, D.C.

2019-2021 Member, Education Committee for the Section on Epidemiology, Public Health, and Evidence (SOEPHE)

2017-2019 Member, Executive Committee for the Section on Epidemiology, Public Health, and Evidence (SOEPHE), American Academy of Pediatrics

Committees and Volunteer Activities, Local

2021-present Core Interviewer, Pediatric Hospital Medicine Fellowship, University of North Carolina

2021-2023 Lead, Faculty Development Series, University of North Carolina Division of Hospital Medicine

2021-present Judge, John B. Graham Student Research Day, University of North Carolina School of Medicine

2019-2020 Member, Respiratory Guidance Committee, Primary Children's Hospital

2019-2020 Member, Med/Surg Sepsis Team, Primary Children's Hospital

2017-2020 Chair (2019-2020), Student Trainee Advisory Committee, University of Utah Department of Pediatrics

2018-2019 Member, Pediatric Health System Science Forum Planning Committee

2011-2012 Clinic Manager, Mascoma Valley Free Health Clinic, Geisel School of Medicine at Dartmouth

2004-2007 Chair (2005-2006), Wardenburg Student Health Board, University of Colorado at Boulder

Quality Improvement Activities

2021-present Co-lead, Clinical Pathway for the Management of Young Febrile Infants, North Carolina Children's Hospital and Rex Hospital

2021-present UNC Team Member, Perinatal Quality Collaborative of North Carolina (PQCNC) Comprehensively Lessening Opioid Use Disorder Impact (cLOUDi) project

2019-2020 Resident Mentor, Inpatient Rounding Project

2019-2020 Resident Mentor, Chain of Command / Paging Project

Journal Review Activities

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Pediatrics, Hospital Pediatrics, Journal of Perinatology, JAMA Network Open, Academic Pediatrics, Health Services Research

Other Review Activities

AAP Guidelines and Policy Statements through the SOEPHE, Pediatric Academic Societies Research Abstracts, Pediatric Hospital Medicine Conference Research Abstracts and Workshops, AAP SOPT NCE Clinical Case Poster Session, AAP NCE Section on Hospital Medicine Abstracts

Research Statement

I am a practicing pediatric hospitalist and health services researcher. My research career began during medical school when I took two years away from my medical coursework to complete a Master of Public Health degree and complete a research fellowship at The Dartmouth Institute for Health Policy and Clinical Practice. Following residency, I also completed a T32 National Research Service Award (NRSA) research fellowship at the Cecil G. Sheps Center for Health Services Research at the University of North Carolina at Chapel Hill. I have experience as an investigator working on observational studies using both claims and other administrative data sources, systematic reviews, meta-analyses, small-area analysis, and government contract reports.

My academic interests are related to high value care and include understanding geographic and health system variations in care, medical decision-making, as well as the structural drivers of both low and high value care. I am also passionate about incorporating evidence-based medicine into practice and teaching critical appraisal to trainees, and in leveraging insights from the fields of implementation and de-implementation science to develop and evaluate systematic interventions to improve patient outcomes, family experience, and health care value.