



Health Services Research Academy

Participation Levels

The Children's Hospital Association Health Services Research Academy is a virtual educational program that teaches the skills needed to conduct a research study, interpret the data, and effectively disseminate the findings through presentations and publications. All levels of participation come with two years of access to the online educational modules, with tiering options for research coaching and mentoring, as well as biostatistical and data support for one year.

"My experience in the Health Services Research Academy has been highly rewarding. The content in the self-guided modules is useful as a highly practical reference, but I found the most value in the thoughtful guidance offered by experienced mentors who were involved in every phase of my project—study design, data collection and analysis, manuscript review, and response reviewer feedback. Through the academy, I was able to take the lead on a project I felt passionately about and produce multiple deliverables including platform presentations at national meetings and publication in a reputable peer-reviewed journal."

- Andrew Yu, MD, former Tier 3 participant

Tier 1. Research Educational Modules

This set of 20, online, on-demand, interactive educational modules focus on fundamental processes and skills of performing research, from designing a study to responding to reviewer critiques from a peer-reviewed publication. Each module is approximately 30 minutes in length, and modules are accessible for two years. We strongly encourage participants enrolling in the module-only tier to have a local research mentor and to perform a research study in tandem with the modules.

Price: \$2,050

The academy offers two additional options for use of the research education modules:

Research Assistant and Staff Option: Designed for Research Assistants (RA) and related staff, a set of 9 interactive educational modules are available in this option that focus on RA skills and tasks. Modules provide instruction on performing literature reviews, managing references and using bibliography software, creating high-quality tables & figures, and preparing manuscripts, presentations, and posters. Each module is approximately 30 minutes in length, and modules are accessible for two years.

Price: \$750

Non-U.S. Participants: For this option, non-US participants can access a set of 10 interactive educational modules. US-specific modules have been removed from the full Tier 1 set. Each module is approximately 30 minutes in length, and you will have access for 2 years. We strongly encourage participants at this level to have a local research mentor and to perform a research study in tandem with the modules.

Price: \$1,000

Tier 2. Modules + Research Coaching

In addition to having two years of access to the educational models, participants enrolled in this tier will have one hour of research coaching each month for a period of one year. Meetings with research coaches (one clinical and one methodologic) will provide direction, answer questions, etc., to facilitate the participant's research project. Coaches will also advise on methodology and statistical questions. We strongly encourage participants at this level to have local research mentorship and to perform a research study in tandem with the modules and coaching.

Price: \$5,100

Tier 3. Modules + Research Mentoring + Statistical Support

In addition to having two years of access to the educational models, participants in this tier receive full mentoring from a nationally recognized clinical expert in health services research as well as full statistical and data support to complete a capstone project. Additional content experts are available for focused mentoring on the participant's research team. For the capstone project, participants will put their learning from the modules into action by performing a research project. Every two weeks, the Academy mentoring team will meet via conference call on the same day at the same time with the participant to keep the project moving forward efficiently. Initially, the team will focus on refining the research aims and developing an analytic plan. Online teaching module topics will align with this work. In subsequent calls, Academy participants will review and interpret the analytic results before transitioning to dissemination activities (national presentations and peer-reviewed publication). Throughout this process, the Academy mentorship team will remain available via email and the standing conference calls to provide the participant with feedback and direction.

Price: \$12,250

Individualized Academy Experience for an Institution or Group

The Academy tiers described above are available at the institutional, department/division, and/or research group levels to support the development of research skills across multiple individuals. For example, a division of pediatric hospital medicine may find it helpful to (a) enroll 5 new research assistants in the research module only option (Tier 1), (b) enroll 3 mid-level faculty in the research module and coaching option (Tier 2), and (c) enroll 4 junior faculty in the full mentoring and statistical support option (Tier 3). Discounted pricing across the Tiers is available for group participation like this. Please email us at research@childrenshospitals.org to discuss how the Academy can serve you in this way.

Health Services Research Academy

Directors and Mentors



Jay Berry, MD, MPH

Co-Director of the Health Services Research Academy

Chief of Complex Care, Boston Children's Hospital

Associate Professor of Pediatrics, Harvard Medical School

Jay is a health services researcher with a 15-year partnership with Dr. Hall on an array of national projects and grants involving children with medical complexity, perioperative care, healthcare utilization, and outcomes. Jay is also Associate Director of the Children and Youth with Special Healthcare Needs Research Network. His funding sources have included the NICHD, Agency for Healthcare Research and Quality, Lucile Packard Foundation for Children's Health, and the Maternal and Child Health Bureau.



Matt Hall, PhD

Co-Director of the Health Services Research Academy

Principal Biostatistician, Children's Hospital Association

Matt has performed pediatrics health services and policy research for over 15 years at CHA. He leads CHA's Statistical Division and oversees 15 physician-led multicenter research groups that use CHA's data assets for clinical, operational, and financial improvement by hospitals and policy makers. Matt is the Director of CHA's Health Services Research Academy, an online training program for people who want to learn how to do health services research. He is a Statistical Editor at the *Journal of Hospital Medicine*.



Valerie L. Ward, MD, MPH

Associate Director, Health Services Research, Children's Hospital Association Senior

Vice President for Pediatric Health Equity Strategies, Boston Children's Hospital

Assistant Professor of Radiology, Harvard Medical School

Valerie is a health services researcher with additional expertise in pediatric health equity research and pediatric quality and safety disparities. She provides her expertise through research and clinical collaborations, and numerous mentoring relationships. At Boston Children's Hospital, Valerie is a senior vice president and pediatric radiologist. She also directs the Boston Children's Sandra L. Fenwick Institute for Pediatric Health Equity and Inclusion and Office of Health Equity and Inclusion. In her senior executive leadership role at the hospital, she provides strategic leadership and management to improve healthcare access and healthcare delivery for more equitable health outcomes for all children. She is also an alumna of Harvard Business School.



Samir Shah, MD, MSCE
Director, Division of Hospital Medicine, Cincinnati Children's
Professor and Director, Division of Hospital Medicine
James M. Ewell Endowed Chair
Cincinnati Children's Hospital Medical Center
Editor-in-Chief, *Journal of Hospital Medicine*

Samir is board-certified in Pediatrics, Pediatric Infectious Diseases, and Pediatric Hospital Medicine. His research focuses on improving efficiency and effectiveness of care for hospitalized children with emphasis on common, serious infections. He also serves as Vice Chair for the Pediatric Research in Inpatient Settings Network.



Karen M Wilson, MD, MPH
Ruth A. Lawrence Professor of Pediatrics
Vice-Chair for Clinical and Translational Research, Department of Pediatrics
Chief Research Officer, UR Medicine Golisano Children's Hospital
Strategic Director, Research Services Branch, Clinical and Translational Science Institute

Karen is a pediatric hospitalist and clinical researcher. Karen is a Principal Investigator of the American Academy of Pediatrics (AAP)/Julius B. Richmond Center of Excellence and she chairs the AAP's Tobacco Consortium. Karen is also the Chair of the Pediatric Research in Inpatient Settings Network Executive Council, and Deputy Editor of *Hospital Pediatrics*.



Joel S. Tieder, MD, MPH
Associate Professor, Seattle Children's

Joel is a pediatric hospitalist at Seattle Children's Hospital and the University of Washington. He directs the Seattle Children's Pediatric Hospital Medicine Fellowship and Multi-Specialty Maintenance of Certification Program. He is the Chair of the AAP Council on Quality Improvement and Patient Safety and the Chair for the AAP Subcommittee on Brief Resolved Unexplained Events (BRUEs). He has led many national research projects aimed to improve the quality of care for hospitalized children, which currently includes a large multicenter study PHIS study aimed at evaluating and improving the outcomes of infants who have experienced a BRUE.



Kavita Parikh, MD, MSHS

Director of Research, Division of Hospital Medicine, Children's National Hospital and Associate Professor of Pediatrics at George Washington School of Medicine, Washington DC

Kavita is committed to improving and standardizing care for hospitalized children to improve health outcomes and reduce disparities and is currently funded through a career training award (K08) through the Agency for Healthcare Research and Quality. She also serves in national leadership roles, including the steering committee for the Value in Inpatient Pediatrics (VIP) Network, associate executive council for the Pediatric Research in Inpatient Settings (PRIS) Network, and Hospital Pediatrics editorial board. She is board-certified in Pediatric Hospital Medicine and enjoys mentoring junior faculty.



Mark Neuman, MD, MPH

Director of Research, Division of Emergency Medicine, Boston Children's Hospital

Mark has been conducting health services research for over 20 years. His primary research interests include the use of low-value testing and variability in care in the Emergency Department setting, with a focus on the management of infectious diseases. His primary interest revolves around the value of CXR for the diagnosis of pneumonia. Mark leads the ED PHIS research group and is involved with multiple collaborative projects in the area of pneumonia, BRUE, readmissions, and the management of the febrile infant.



Derek J. Williams, MD, MPH

Chief of the Division of Hospital Medicine

Associate Professor of Pediatrics

Vanderbilt University School of Medicine

Monroe Carell Jr. Children's Hospital at Vanderbilt

Derek is a clinical and health services researcher with an array of experience conducting multicenter cohort studies, clinical trials, and implementation research. His research program centers on improving care delivery and outcomes for children with pneumonia and other acute respiratory illnesses, and is supported by funding from CDC, NIH, and AHRQ. He is also a member of the Executive Council of the Pediatric Research in Inpatient Settings (PRIS) Network.

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Select Publications from Prior Tier 3 Participants

McDaniel C, Hall M, Markham J, Bettenhausen J, Berry J. (2023). Urban-rural hospitalization rates for pediatric mental health. *Pediatrics*.

Sharp E, Li W, Hall M, Berry J, Forster C. (2023). Frequency, characteristics, and outcomes of patients requiring early PICU readmission. *Hospital Pediatrics*.

Lee B, Hall M, Agharokh L, Yu A, Parikh K, Shah S. (2023). National cross-sectional study on cost consciousness, cost accuracy, and national medical waste reduction initiative knowledge among pediatric hospitalists in the United States. *PLOS One*.

Hoffman J, Hall M, Lorenz D, Berry J. (2021). Emergency department visits for suicidal ideation and self-harm in rural and urban youth. *Journal of Pediatrics*.

Attard T, Friesen C, Cole M, Berry J, Hall M. (2021). Meckel's Diverticulum in adults; seldom suspected and frequently found. *Journal of Investigative Medicine*.

Bayer N, Hall M, Li Y, Feinstein J, Thomson J, Berry J. (2022). Trends in healthcare utilization and spending for young children with neurologic impairment. *Pediatrics*.

Patra K, Hall M, Delaroché A, Tieder J. (2022). Impact of the AAP guideline on management of brief resolved unexplained events. *Hospital Pediatrics*.

Yu A, Hall M, Agharokh L, Lee B, Zaniletti I, Wilson K, Williams D. (2022). Hospital-level neighborhood opportunity and rehospitalization for common diagnoses at U.S. children's hospitals. *Academic Pediatrics*.

Agharokh L, Zaniletti I, Hall M, Yu A, Williams D, Lee B, Wilson K. (2022). Trends in pediatric rhabdomyolysis and associated renal failure: a 10-year population-based study. *Hospital Pediatrics*.

Hall M, **Attard T**, Berry J. (2022). Improving cohort definitions in research utilizing hospital administrative databases; Do we need guidelines? *JAMA Pediatrics*.

Jiang W, Hall M, Newfield R, Berry J. (2022). Short-term pediatric thyroidectomy outcome: analysis of the Pediatric Health Information System (PHIS) database. *International Journal of Pediatric Otorhinolaryngology*.

Jiang W, Hall M, Berry J. (2022). Comparative effectiveness: dexamethasone and prednisone in children hospitalized with acute croup. *Hospital Pediatrics*.

Kim G, Berry J, Janes J, Perez A, Hall M. (2022). Association of maternal Tdap recommendations with pertussis hospitalizations of young infants. *Hospital Pediatrics*.