Pediatric Hospital Medicine

Division Introduction

The American Board of Pediatrics (ABP) recognized Pediatric Hospital Medicine as a subspecialty in April 2017 and listed specific eligibility criteria for board certification. At the present time, there are two pathways to board certification: Practice Pathway and Training Pathway.

Nationally, the specialty of hospital medicine has grown exponentially and is now an important component of American hospitals with exciting opportunities for innovation and creativity. According to recent estimates, more than 3000 physicians in the United States self-identify as pediatric hospitalists. Under the direction of Vijay Kalidindi, M.D., the Pediatric Hospital Medicine Division at UT Southwestern has shown similar growth. A new Division of Hospital Medicine in the Department of Pediatrics was established in 2017, and this is an important milestone for our program. Our mission is to provide the highest quality, high value care to hospitalized children, educating future leaders in pediatric care, and advancing generation of new knowledge in quality improvement and inpatient pediatric medicine. Hospitalist faculty contribute towards improvement in patient experience while providing cost effective care across the system.

Originating in 2002 as a single service line with five pediatric faculty members, the Program has grown to 28 faculty members, with the capability to staff nearly 120 patients across multiple service lines at Children’s Medical Center Dallas and Children’s Medical Center Plano. Hospitalists have expanded their specialty support at the Plano campus via a collaborative partnership with several specialists. The program emphasizes patient-centered care, which is evidence based, compassionate, culturally competent, and collaborative. Hospitalists have a commitment to excellence in patient care, quality improvement, teaching, clinical research, and have received many accolades. Our faculty have leadership roles and serve on several committees at local, regional and national level.

Faculty

There are twenty-five full-time and four part-time faculty members in the Hospitalist Medicine program. Three new faculty members joined the Hospital Medicine division in 2017, Drs. Stephanie Bousquet Arar, Elizabeth Byrne, and Tiffany Lieu.

Stephanie Bousquet Arar, M.D.
Instructor

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<th>B.A., magna cum laude</th>
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<td>Baylor University, Waco, TX, 2010</td>
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<td>University of Texas Health Science Center, San Antonio, TX, 2014</td>
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**Postdoctoral Training**

- Residency, Pediatrics
  - UT Southwestern Medical Center/Children’s Health, Dallas, TX, 2014-2017

**Interests**

- Pediatric hospital medicine
Elizabeth Byrne, M.D., M.P.H.
Assistant Professor

B.A.
University of Notre Dame, Notre Dame, IN, 2007

M.D.
University of Texas Health Science Center, San Antonio, TX, 2012

M.P.H.
University of Texas Health Science Center, Houston, TX, 2012

Postdoctoral Training
Residency, Pediatrics
McGaw Medical Center of Northwestern University, Chicago, IL, 2012-2015
Chief Residency, Pediatrics
McGaw Medical Center of Northwestern University, Chicago, IL, 2015-2016

Interests
Medical Education and Simulation Education

Tiffany Lieu, M.D.
Instructor

B.A., B.S.
Stanford University, Stanford, CA, 2009

M.D.
UT Southwestern Medical Center, Dallas, TX, 2014

Postdoctoral Training
Residency, Pediatrics
UT Southwestern Medical Center/Children’s Health, Dallas, TX, 2014-2017

Interests
Inpatient medicine, clinical case reports, evidence-based medicine, medical education, quality and systems improvement, and value-based care

Honors / Awards

Vineeta Mittal

- Faculty Teaching Award, Pediatric Residency Program at UT Southwestern Medical School

Reina Patel

- Best Pediatric Specialists in Dallas, D Magazine

Invited Lectures

Amit Mehta

- National Association of Health Unit Coordinators Education Conference, Irving, TX, August 2017
  - “Patient Throughput and the Roles of Personnel Groups in the Hospital”
Conference Presentations

Badawy M, Darnell Bowens C, Reynolds T, Young G, Mittal V.

Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Impact of a Bronchiolitis Clinical Pathway on Emergency Department Resource Utilization: Sustaining Long Term Guideline Implementation through Data Driven Practice”

Darnell Bowens C, Badawy M, Davila S, Zepeda M, Kravitz B, Thomsen C, Mittal V.

Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Ripple Effect of Emergency Department and Inpatient Bronchiolitis Clinical Practice Guideline (CPG) Implementation on Critically Ill Children”

Jamison R, Baldridge C.

Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Dallas Global Health Elective (DGHE): Equipping Trainees for Work in Resource-Limited Settings”

Lui K, Savage C, Dutta A, Fuchs J.

Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Improving Antibiotic Knowledge Among Pediatric Residents Through the Use of Lanyard Cards: An Educational Intervention”


Oral, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Trends in Heated High Flow Nasal Cannula Use in Hospitalized Children with Bronchiolitis and its Impact on Intubation Rate, Ward Length Stay, and Air Leak Syndrome: A Six Year University Pediatric Practice Analysis”

Mittal V, Darnell Bowens C, Zepeda M, Davila S, Daigle B, Manly D, Badawy M.

Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Effect of Long Term Bronchiolitis Guideline Implementation on Non-Guideline Eligible Complex Medical Children Hospitalized with Acute Bronchiolitis”

Mittal V, Wilson K

Topic Symposium Co-chairs, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“State-based Innovation Models: How State-based Innovation Models Are Integrating Care and Value Based Payment”


Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Do Pediatric Asthma-Related Discharge Interventions Reduce Readmission Rates? A Study of Asthma Related Discharge Interventions at Children’s Hospitals”

Patel H, Holmes A, Mittal V, Ottolini M.

Workshop Co-leads, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Time Management for Physicians: 101 or 911? Practical Strategies to Reduce Your Stress and Get More Done”
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Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
“Use of Continuous Albuterol Nebulization Treatment on a 24/7 Attending-Only Inpatient Pediatric Asthma Unit”

Rocha M, Fuchs J, Guffy D, Devon EP, Keeley M, King M.
Poster, Pediatric Academic Societies Meeting, San Francisco, CA, May 2017

Fuchs J.
Poster, Pediatric Hospital Medicine Conference, Nashville, TN, July 2017
“A Proctored Exam”

Oral, Pediatric Hospital Medicine Conference, Nashville, TN, July 2017
“High Flow Nasal Cannula Use in Bronchiolitis: A Six Year Practice Analyses”

Mittal V, Badawy M, Zepeda M, Darnell Bowens C, Davila S, Manly D.
Poster, Pediatric Hospital Medicine Conference, Nashville, TN, July 2017
“Bronchiolitis Guideline Implementation Impact Medically Complex Children”

Mittal V, Zepeda M, Darnell Bowens C, Badawy M, Davila S, Kravitz B, Thompsen C.
Poster, Pediatric Hospital Medicine Conference, Nashville, TN, July 2017
“Ripple Effect of Inpatient Bronchiolitis Guideline Implementation in PICU”

Other Conference Participation

Vineeta Mittal

- Pediatric Academic Societies Meeting, San Francisco, CA, May 2017
  - Faculty Advisor, “APA Educational Scholars Program”
  - Faculty Mentor, “APA Speed Mentoring Session & Luncheon”

Education and Training

In addition to their clinical duties, Hospitalist Medicine faculty members actively participate in the educational programs of UT Southwestern Medical Center and Children’s Medical Center. All hospitalists are members of the Department of Pediatrics with faculty appointments at UT Southwestern Medical School on the Clinician-Educator Track. The functions and responsibilities are diverse and fulfilling for all faculty members.

Faculty are expected to develop one or more areas of expertise, for which they raise the standards of care, create novel educational opportunities for our trainees. Our faculty teach pediatric residents and medical students from UT Southwestern, as well as family practice residents from Dallas-Fort Worth programs at John Peter Smith Hospital in Fort Worth, Baylor Hospital in Garland, Charlton Methodist in Dallas, and UT Southwestern. Other educational activities include participation in didactics and teaching initiatives that include but are not limited to resident led M&M series, weekly interactive teaching conferences, team-based learning sessions, simulation training and curriculum development. Our Hospitalist faculty also participate in the education of nursing staff and UT SW physician assistant programs.
Research Activities

Hospitalist Medicine faculty members develop one or more areas of expertise related to their clinical work. How these are ultimately configured depends on their personal interests, with some typical examples being clinical research, advancement of clinical practice through observation and publication, and quality improvement initiatives. Faculty members continue to partner with colleagues in orthopedics to standardize the approach to management of bone and joint infections, with the purpose of reducing morbidity and length of inpatient stays. The hospitalist inpatient service also implements family-centered teaching rounds that prospectively and directly incorporate parents and patients into the discussion of their medical issues and the formulation of management plans.

Faculty research interests include quality initiatives and patient outcomes, clinical pathways, information technology, global health and complex care. Hospitalist accomplishments include publications and presentations at national and regional meetings. Our faculty participate in projects through national networks such as PRIS, AHRQ and the VIP network of AAP. Current projects include reducing excessive variability in infant sepsis evaluation (REVISE), pediatric inpatient pathway for asthma (PIPA) and Children’s Hospitals Across Texas (CHAT) Bronchiolitis QI project.

Clinical Activities

Pediatric hospitalist faculty care for inpatients at Children’s Health, the primary pediatric clinical partner. They have attending responsibilities at Children’s Medical Center Dallas and/or Plano campus, where they are expected to provide the highest quality of care for our patients, and this includes a combination of service as the primary attending on the teaching service and as direct provider of inpatient care in general or specialty units. Children’s Medical Center at Dallas is licensed for 487 beds and is one of the largest tertiary medical centers for pediatric patients in the United States. Children’s Medical Center at Plano, which opened in 2008, features 72 beds and serves the needs of the surrounding communities. Children’s Medical Center Dallas serves the inpatient care needs of patients from North and East Texas, Southern Oklahoma, and Northern Louisiana.

There are two types of services staffed during the year at the Dallas campus. The first relies on 24-hour, seven days a week, on-site attending coverage. The second resembles a prototypical teaching service with several levels of learners, from third-year medical students to third-year pediatric residents. Children’s Medical Center Plano coverage is based on a 24/7 on-site attending model and we currently provide exclusive hospitalist coverage to staff up to 48 beds at that site. The number of services covered can vary based on seasonal demand for general inpatient beds. During peak season, this can exceed 120 patients across twelve service lines at Dallas and Plano.

Faculty encounter a wide range of medical conditions with varying complexity and provide the highest quality of care for patients through evidence-based practice and patient centered care while ensuring optimal care transition. Hospitalists function as primary attending physicians for several specialty inpatient services with specialists functioning as consultants. These include neurology, rheumatology, immunology, metabolic disorders, orthopedics (infections), oncology, and endocrinology patients at Plano, as well as patients with pulmonary and ENT services at Dallas. In addition, hospitalists provide general pediatric medical consultation for all specialty services at Dallas and Plano.
Peer-Reviewed Publications


Book Sections