Emergency Medicine

Division Photo


Division Data Summary

Research and Training Details

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<tr>
<td>Number of Faculty</td>
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Clinical Activities and Training

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<td>Number of Clinical Staff</td>
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<td>Outpatient Encounters</td>
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Faculty Members

Richard M. Ruddy, MD, Professor Clinical; Division Director
Research Interests: Pediatric Emergency Care and Research Network; Asthma quality research

Sheryl Allen-Bracey, MD, MEpi, Adjunct Assistant Professor

Berkeley L. Bennett, MD, MS, Adjunct Assistant Professor

G. Randall Bond, MD, Professor Clinical; Medical Director, Clinical Toxicology Service and the Drug and Poison
Research Interests: Victims of acute poisonings
Patricia Chambers, MD, Adjunct Assistant Professor

Research Interests: Pediatric emergency medicine; child abuse
Michael Fitzgerald, PhD, Field Service Assistant Professor

Research Interests: Feedback in medical education; assessment and evaluation of medical learners
Gary L. Geis, MD, Assistant Professor Clinical; Assistant Director, Simulation Center

Research Interests: Injury control; behavior change counseling; community prevention
Todd Glass, MD, MS, Associate Professor Clinical; Medical Director, Liberty Campus Emergency Department

Research Interests: Pediatric trauma; Traumatic brain injury
Javier Gonzalez del Rey, MD, MEd, Professor Clinical; Associate Director, Division of Emergency Medicine; Director, Pediatric Residency Training Program

Research Interests: Medical education and training
Jacqueline Grupp-Phelan, MD, MPH, Associate Professor Clinical; Associate Director, Division of Emergency Medicine; Director of Research

Research Interests: Health services research, cost-effectiveness, clinical effectiveness and utilization
Srikant Iyer, MD, MPH, Assistant Professor Clinical

Research Interests: Asthma
Laurie H. Johnson, MD, Assistant Professor Clinical

Research Interests: Quality benchmark research
Joseph Luria, MD, Professor Clinical; Associate Director, Division of Emergency Medicine; Medical Director, Emergency Department

Research Interests: Improvement related to ED quality; patient safety and efficiency and flow
Melinda Mahabee-Gittens, MD, MS, Associate Professor Clinical

Research Interests: Improving parent/adolescent communication about tobacco; tobacco related education
Mia L. Mallory, MD, Assistant Professor Clinical; Associate Director, Pediatric Residency Training Program

Research Interests: Resident education
Constance McAneney, MD, MS, Associate Professor; Associate Director, Division of Emergency Medicine; Director, Pediatric Emergency Medicine Fellowship Program; Director, Medical Student Education

Research Interests: Medical student education
Mary Patterson, MD, Associate Professor Clinical; Medical Director, EMSC Center for Education and Simulation

Research Interests: Pediatric trauma management, resuscitation and prehospital care of the pediatric patient
Wendy Pomerantz, MD, MS, Associate Professor Clinical; Co-director, Injury Free Coalition for Kids; Co-director, Safety Resource Center

Research Interests: Injury and poison prevention; epidemiology; geographic information systems; playground related injuries; ATV and motorbike-related injuries
Jennifer Reed, MD, Assistant Professor Clinical

Research Interests: STI testing and notification for adolescents
Scott Reeves, MD, Assistant Professor Clinical; Coordinator, Emergency Department Resident Education

Research Interests: Pediatric Emergency Care and Research Network
Charles J. Schubert, MD, Associate Professor Clinical

Research Interests: Service of underserved; child and sexual abuse
Hamilton P. Schwartz, MD, Assistant Professor Clinical; Medical Director, Transport Team; Medical Director, Statline; Pediatric Director, Assistant Medical Director, Cincinnati Fire Department

Research Interests: Sexually transmitted disease; fractures caused by abuse.
Robert Allan Shapiro, MD, Professor Clinical; Medical Director, Mayerson Center for Safe and Healthy Children

Research Interests: Early immunologic response to infectious disease; immunologic response to anaphylaxis; procedural sedation
Richard Strait, MD, Assistant Professor Clinical

Research Interests: Hospital emergency management
Nathan Timm, MD, Assistant Professor Clinical; Emergency Preparedness Officer, CCHMC
Joint Appointment Faculty Members

Lisa Vaughn, PhD, Field Service Associate Professor
General and Community Pediatrics
Cross-cultural psychology issues especially with latinos, women and children; dyadic relationships (i.e. parent-child, teacher-learner, etc); international global studies; social psychology related

Clinical Staff Members

- Kirsten Ahrens, MD
- Arash Babaoff, MD
- Kate Balkowiec, MD
- Maggie Chan, MD
- Michael Chua, MD
- Jenny Lynn DeBruer, MD
- Kristen DeMarco, MD
- Emily Eagen, MD
- Michelle Eckerle, MD
- Kerry Gorman, MD
- Katie Kerrey, MD
- Pamela Kingma, MD, PhD
- Dawn Manfroy, MD
- Joanna Nacopoulos, MD
- Margaret Orcutt-Tuddenham, DO
- Janice Roeder, MD
- Rima Rusnak, MD
- Kristin Stackpole, MD
- Michelle Steffen, MD
- Karen Szczepanski, MD
- Elizabeth Templin, MD
- Evan Yeung, MD
- Brown Angela, PNP
- Detchon Karin, PNP
- Ekstrand Rachael, PNP
- Ford Karen, PNP
- Schrand Michelle, PNP
- Widecan Michelle, PNP

Trainees

- Matthew Mittiga, MD, PL-VII, Children's Hospital of Pittsburgh
- Benjamin Kerrey, MD, PL-VI, Cincinnati Children's Hospital Medical Center
- Stephanie Spanos, MD, PL-VI, Kosair Children's Hospital, Louisville, KY
- Holly Brodzinski, MD, PL-V, Children's Hospital of Philadelphia
- Andrea Rinderknecht, MD, PL-V, Cincinnati Children's Hospital Medical Center
- Jennifer Setlik, MD, PL-V, Washington University, St. Louis, Missouri
- Carolyn Holland, MD, MEd, PL-V, University Hospital, University of Cincinnati College of Medicine, Cincinnati, Ohio
- Cinnamon Dixon, DO, PL-IV, Kirksville College of Osteopathic Medicine, Bolder, CO
- Carla Pruden, MD, MPH, PL-IV, Children's Hospital at Montefiore, New York

Significant Accomplishments in FY08
Research Director Named
Jacqueline Grupp-Phelan, MD, MPH, was appointed the Research Director of the Division of Emergency Medicine in early 2008. The research program has demonstrated increased productivity in publications, national presentations and funding. The research focus teams include Prevention/Health Services, Clinical/Translational, Quality and Education.

Simulation and Research Center
Training at the Simulation and Research Center has focused on preparing multispecialty teams to function efficiently in a complex health care environment. They "practice" unusual situations and events so that clinicians are prepared to perform at their best and achieve the best outcomes in difficult situations. Mary Patterson, MD, MEd, and Gary Geis, MD, and a team of specialists have led these efforts.

Key Areas of Research
Several key areas of development include work by Dr. Melinda Mahabee-Gittens where she is studying the implementation of ED Based Tobacco Prevention and Cessation projects. This program, funded by a K23 from NCI is in the final phases of a longitudinal trial to determine the effectiveness of an intervention to change an adolescent's smoking knowledge and behavior. Dr. Grupp-Phelan is expanding her program of mental health screening into engagement interventions and is finishing her K23 support through NIMH. She currently is funded through Columbia University to trial a case management approach to improve the likelihood of engagement into mental health services. Both of these prevention efforts are unique in pediatric emergency medicine and of high priority to the health of our children in the future.

Significant Publications in FY08
Federally funded multicenter ED RCT evaluating use of corticosteroids for infants with bronchiolitis which demonstrated no improvement in outcome or short term morbidities.

Gittelman MA, Pomerantz WJ, McNealy T: Reducing injury rates using a community based approach. 2007; J of Trauma, 63(3):S44-49
Community-based interventions offer one approach to reducing injuries; the number one cause of morbidity and mortality to persons aged 1-44 years in the United States. The Injury Free Coalition for Kids of Greater Cincinnati began its injury-reducing efforts within one Intervention Community in 2000. After reviewing injury data, engaging community members, and holding focus groups to assess community needs, specific structural and social alterations were made to engage youth in safe, supervised activities and provide them with safe play places. During the 5 year study period, the injury rate decreased significantly in the intervention community (42%) compared to the mean rate among three control sites (25.7%). Community-based interventions can reduce injuries to youth within high-risk regions of Cincinnati.

Grupp-Phelan J, Delgado S: A randomized control trial of a facilitated mental health referral for children presenting to the pediatric emergency department. 2007; BMC Emergency Medicine 7:12
This was a randomized control trial looking at the success of a simple referral versus a facilitated referral for children with unrecognized mental health problems to get into mental health services. The study identified the challenges of getting families back into services and identified strategies for further approaches to improving engagement in mental health services for families presenting to the Emergency Department with unrecognized mental health problems.

In the event of a community-wide disaster or infectious disease outbreak, primary and secondary schools would be closed. Little is known of the impact this would have on hospital staff absenteeism due to lack of child care. Our study showed that short term school closings during snow emergencies did not result in significant rates of nursing absenteeism due to lack of child care.

This project evaluated the feasibility and short term effects of a brief, ED-based parental intervention to increase
parent-child tobacco communication. At one month follow-up, children whose parents had received the intervention were more likely to report that they would definitely not smoke in the next 6 months, and that there were increases in the number of child-initiated tobacco conversations, times parents talked to them about how to say no to smoking, and times parents talked to them about why they should not smoke.

Descibes improved adherence to controller medication (inhaled corticosteroids) prescription filling in high risk underserved children with asthma corroborating improved translation of asthma Guideline to community.

**Division Highlights**

**Pediatric Emergency Care Applied Research Network**

The other area of exciting clinical research has been the continued expansion of the projects and funding of the Pediatric Emergency Care Applied Research Network (PECARN). Twenty-five Emergency Departments with over 900,000 visits per annum, of which CCHMC is the largest contributor of patients in most of the studies are members of this network. Under the site leadership of Dr. Richard Ruddy and Regina Taylor, CRC IV, some of the funded projects include reducing unnecessary radiation in treating abdominal and head trauma; use of corticosteroids in bronchiolitis; understanding the pediatric C-spine injury population; managing hypothermia in cardiac resuscitation; and biosignatures of infection in febrile 0-2 month olds.

**Division Collaboration**

**Collaboration with Adolescent Medicine**

**Collaborating Faculty:** Mike FitzGerald; Corinne Lehmann
Development and implementation of an instrument for assessing feedback regularity and quality in the clinical setting.

**Collaboration with Adolescent Medicine**

**Collaborating Faculty:** Jennifer Reed; Jill Huppert
Adolescent diagnostic testing in sexually transmitted diseases

**Collaboration with Adolescent Medicine; Psychology**

**Collaborating Faculty:** Melinda Mahabee-Gittens; Lorah Dorn; Robert Ammerman
Adolescent smoking prevention

**Collaboration with Center for Health Care Quality Research and Education**

**Collaborating Faculty:** Srikanth Iyer; Peter Margolis
Design of a multi-component intervention to improve acute pain management in the ED

**Collaboration with Center for Health Care Quality**

**Collaborating Faculty:** Srikanth Iyer; Carole Lannon
Improvement advisor for the Joint Commission on Congenital Heart Disease Improvement Collaborative

**Collaboration with Allergy and Immunology**

**Collaborating Faculty:** Rick Strait; Fred Finkleman
Immunology of anaphylaxis and of transfusion related acute lung injury.

**Collaboration with Allergy and Immunology**

**Collaborating Faculty:** Laurie Johnson; Michelle Lierle
Nebulized magnesium in acute asthma, inter-rater reliability of asthma score and provider impression of clinical severity of exacerbation.

**Collaboration with Allergy and Immunology**

**Collaborating Faculty:** Laurie Johnson; Gurgit Khurana Hershey
Gene expression profiles of acute asthma: Subphenotypes of treatment response.

**Collaboration with Pediatric Surgery/Trauma**

**Collaborating Faculty:** Berkeley Bennett; Richard Falcone
Racial bias in evaluation of children for non-accidental trauma
Collaboration with Mayerson Center for Safe and Healthy Children
**Collaborating Faculty:** Berkeley Bennett; Robert Shapiro; Kathi Makaroff
Utility of follow-up skeletal surveys in suspected victims of physical abuse.

Collaboration with General and Community Pediatrics
**Collaborating Faculty:** Chuck Schubert; Andrew Beck; Melissa Klien; Rob Klein
Retrospective chart review on vaccines; social history and immunization

Collaboration with Pediatric Surgery/Trauma
**Collaborating Faculty:** Mary Patterson; Richard Falcone; M. Daugherty; Lynn Schweer; Vic Garcia
Multidisciplinary pediatric trauma team training utilizing high fidelity trauma simulation

Collaboration with Pediatric Surgery/Trauma; Center for Health Policy and Clinical Effectiveness
**Collaborating Faculty:** Mike Gittelman; Wendy Pomerantz; Richard Falcone; Lisa Simpson
Develop a center with coordination of research and outreach efforts to prevent injuries

Collaboration with Trauma Services
**Collaborating Faculty:** Mike Gittelman; Wendy Pomerantz; Talicia McNealy; Deatra Greene
Injury Free Coalition for Kids of Cincinnati (Emergency Medicine) and Safe Kids Coalition (Trauma) working together on multiple community outreach programs, including Walk Child to School.

Collaboration with Trauma Services
**Collaborating Faculty:** Mike Gittelman; Wendy Pomerantz; Talicia McNealy; Becky Brown; Susan Laurence; Linda White
Collaboration on initial design and maintenance of Safety Resource Store

Collaboration with Every Child Succeeds
**Collaborating Faculty:** Mike Gittelman; Wendy Pomerantz; Talicia McNealy; Anita Brently
Home safety intervention for youth in Avondale less than 5 years of age.

Collaboration with Endocrinology; Community and General Pediatrics
**Collaborating Faculty:** Mike Gittelman; Wendy Pomerantz; David Klein; Chris Bolling; Mona Ho; Amy Bernard
Screen and provide a program to reduce the obesity problem among youth in Avondale, providing afterschool curriculum.

Collaboration with Allergy and Immunology
**Collaborating Faculty:** Rick Strait; Simon Hogan; Marc Rothenberg
Food anaphylaxis

Collaboration with Allergy and Immunology
**Collaborating Faculty:** Rick Strait; Joerg Koehl
TRALI and complement activation involving FcRs

Collaboration with Personalized and Predictive Medicine
**Collaborating Faculty:** Rick Strait; Neeru Hershey
Genetics and acute asthma exacerbation

Collaboration with Infectious Disease
**Collaborating Faculty:** Rick Strait; Ramu Subbaramanian; Rebecca Brady
T-cell response in naive influenza infection in infants

Collaboration with General and Community Pediatrics
**Collaborating Faculty:** Lisa Vaughn; Ray Baker
Cultural dimensions of medical education

Collaboration with Education and Training
**Collaborating Faculty:** Lisa Vaughn; Rebecca Phillips
Intercultural adjustment

Collaboration with Education and Training
**Collaborating Faculty:** Lisa Vaughn; Dab McLinden
Division Publications


Grants, Contracts, and Industry Agreements

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| Glass, T. | |
| Decision Rule for Identifying Intra-Abdominal Injuries | |
| Centers for Disease Control and Prevention (University of California-Davis) | |
| R49 CE 001002 | 09/01/06 - 08/31/09 $11,757 / $31,390 |

| Johnson, L | |
| Molecular Epidemiology in Children's Environmental Health | |
| National Institutes of Health (University of Cincinnati) | |
| T32 ES 010957 | 04/01/08 - 03/31/09 $51,036 / $51,036 |

| Mahabee-Gittens, M | |
| Web-Based Respiratory Education about Tobacco and Health | |
| National Institutes of Health (Intervision) | |
| R41 HL 083540 | 09/30/06 - 03/31/09 $2,973 / $21,191 |

| Improving Parent/Adolescent Communication about Tobacco | |
| National Institutes of Health | |
| K23 CA 117864 | 07/01/06 - 06/30/11 $123,000 / $639,768 |

| Patterson, M | |
| In Situ Teamwork Training | |
| Agency for Healthcare Research and Quality | |
| U18 HS 016615 | 09/30/06 - 09/29/08 $199,675 / $413,689 |

| Ruddy, R | |
| EMSC Network Development Demonstration Project | |
| Health Resources and Services Administration (University of California-Davis) | |
| U03 MC 000001 | 10/01/05 - 08/31/08 $69,973 / $181,031 |

| Schubert, C. | |
| Academic Administrative Units In Primary Care | |
| Health Resources and Services Administration (University of Cincinnati) | |
| D54 HP 00168 | 09/01/05 - 08/31/08 $26,304 / $73,443 |

| CDC Immunization Action Plan Project | |
| Ohio Department of Health (City of Cincinnati) | |
| P00 25X9098 | 01/01/00 - 12/31/08 $85,414 / $664,574 |

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