

## contents


### PEDIATRICS PERSPECTIVES

- Infanticide and Infant Abandonment: New Directions in US Law and Policy** 1  
*Lori Bruce, Clara S. Lewis, Mark R. Mercurio*

### DIVERSITY, EQUITY, INCLUSION, AND JUSTICE

- Addressing Inequities in Amblyopia Treatment Outcomes** 5  
*Sylvia H. Yoo, Damian K. L. Archer, Joseph S. Zickafoose, Dolly A. Padovani-Claudio*

### ADVOCACY CASE STUDY



-  **A Reading Program for Adolescents in a Primary Care Clinic** 10  
*Anoushka Sinha, Elizabeth Ozer, Sara Buckelew*

### RESEARCH BRIEFS

- Duration of Illness in Children Younger Than 18 Years Dying of Influenza in California: 2004–2023** 14  
*Sophie Zhu, Joshua Quint, Christina Penton, Cora Hoover, Erin L. Murray*



-  **COVID-19 Economic Supports and Household Food Security Patterns** 17  
*Alysse J. Kowalski, C. Ross Hatton, Farah Qureshi, Nan Dou, Rachel Deitch, Maureen M. Black, Erin R. Hager*

### ARTICLES

-   **Pediatric Mental Health Boarding: 2017 to 2023** 20  
*Kathleen D. Snow, Jonathan M. Mansbach, Christopher Cortina, Jay G. Berry, Amanda S. Growdon, Patricia A. Stoeck, Kathleen Walsh*





• Boarding for pediatric mental health conditions has increased over time and certain patients with underlying medical and psychiatric complexity are at risk for prolonged stays.

-    **Autism and Medical Complexity Among Children in the United States** 21  
*Philip H. Smith, Lindsay L. Shea, Jessica E. Rast, Lauren Hino, Corey Briskey, Diana E. Schendel*

-   **Weather-Related Pediatric Fatalities in the United States: 2001 to 2021** 22  
*Caroline Q. Stephens, Sarah B. Cairo, Mary E. Fallat, Caroline G. Melhado, Shana Godfred-Cato, Hilary Ong, Christopher Newton*

## icon legend

Most of the articles in *PEDIATRICS* have more content available online at [www.pediatrics.org](http://www.pediatrics.org).

-  = supplement
-  = data file/supplementary information available online
-  = video available online
-  = funded by NIH

### STAY CONNECTED

 [facebook.com/aappeds](https://facebook.com/aappeds)

 [instagram.com/aap\\_pediatrics](https://instagram.com/aap_pediatrics)















 [twitter.com/aap\\_peds](https://twitter.com/aap_peds)

 **AAP Journals**  
[publications.aap.org/journals](https://publications.aap.org/journals)

Sample citation format: Ralston SL, Garber MD, Rice-Conboy E, et al. A Multicenter Collaborative to Reduce Unnecessary Care in Inpatient Bronchiolitis. *Pediatrics*. 2016;137(1):e20150851.

## contents

### ARTICLES (continued)




-    **Single Bruise Characteristics Associated With Abusive vs Accidental Injury** 23  
*Audrey Raut, Mary Clyde Pierce, Kim Kaczor, Doug Lorenz, Gina Bertocci, Karen Bertocci, Kirsten Simonton*
- This analysis identifies characteristics differentiating abusive from accidental injury in young children with a single bruise.
-   **Cost Analysis of a Scalable Clinician Communication Intervention to Increase HPV Vaccine Initiation** 24  
*Brayan V. Seixas, Peter G. Szilagyi, Gerald F. Kominski, Sharon G. Humiston, Alisa J. Stephens-Shields, Russell Localio, Abigail Breck, Mary Kate Kelly, Robert W. Grundmeier, Christina S. Albertin, Laura P. Shone, Jennifer Steffes, Cynthia M. Rand, Chloe Hannan, Dianna E. Abney, Greta McFarland, Srikanth Kadiyala, Alexander G. Fiks*
- Factors Associated With Delay to Care in Pediatric and Adolescent Adnexal Torsion** 25  
*Barrie S. Rich, Bailey Roberts, Colleen Nofi, Richard D. Glick, Jason C. Fisher, Emily Durkin, Romeo Ignacio, Carlos Garcia, Abigail Alexander, Scott Short, Derek Krinock, Lindsey L. Wolf, Richard Weiss, Emma Ryan, Daniel J. Robertson, Emmanuel Abebrese, Kyle J. Van Arendonk, Rosa Hwang, Gary Nace, Jane Cerise, David H. Rothstein*
-   **Using Parks and Recreation Providers to Enhance Obesity Treatment: A Randomized Controlled Trial** 26  
*Sarah C. Armstrong, Cody D. Neshteruk, Jennifer S. Li, William E. Kraus, Svati Shah, Mary Story, Nancy Zucker, Jason Jones, Eliana M. Perrin, Alexandra R. Zizzi, Joshua Burrows, Brooke E. Wagner, McAllister Windom, Tracy Truong, Hwanhee Hong, Asheley C. Skinner*
- Neonatal Intensive Care Unit Use for Newborns With Relatively Lower Illness Acuity** 27  
*Joseph Schulman, Jeffrey B. Gould, Henry C. Lee, Jochen Profit, Balaji Govindaswami*
- The majority of a large sample of NICU admissions across California met relatively lower illness acuity criteria.
-   **Effectiveness and Risks of Probiotics in Preterm Infants** 28  
*Belal N. Alshaikh, Joseph Ting, Seungwoo Lee, Brigitte Lemyre, Jonathan Wong, Jehier Afifi, Marc Beltempo, Prakesh S. Shah, for the Canadian Neonatal Network Investigators*
- This multi-center cohort study evaluates the use of probiotics in infants born at <34 weeks' gestation and in a subgroup of extremely low birth weight infants.
-   **Missed Opportunities to Address SNAP for Nonenrolled Children** 29  
*Alexandra T. Geanacopoulos, Claire E. Branley, Arvin Garg, Margaret E. Samuels-Kalow, Jonathan M. Gabbay, Alon Peltz*
- In this national sample from 2021, children who were SNAP eligible but not enrolled had low primary care attendance limiting opportunities for primary care intervention.
-   **Cannabis Access by Retailer Type in New York** 30  
*Timothy D. Becker, Mark Olifson, Peter J. Menzi, Frances R. Levin, Deborah S. Hasin, Colin Nuckolls, Ryan S. Sultan*
- Unlicensed cannabis retailers in NYC often neglect age verification and market youth-friendly products, contrasting with licensed retailers' compliance with regulations and stricter age checks.
-  **Predicting Childhood and Adolescence Hypertension: Analysis of Predictors Using Machine Learning** 31  
*Hengyan Liu, Weibin Kou, Yik-Chung Wu, Pui Hing Chau, Thomas Wai Hung Chung, Daniel Yee Tak Fong*
- Machine learning accurately predicted early blood pressure status in children and adolescents, independent of blood pressure and laboratory measurements, while identifying the consistently contributed predictors.
- An Open-Source Smartphone Otoacoustic Emissions Test for Infants** 32  
*Nada Ali, Justin Chan, Anna Meehan, Brent Collett, Sarah Benki-Nugent, Randall A. Bly, Shyam Gollakota, Juliana Bonilla-Velez, Emily R. Gallagher*

# PEDIATRICS®



MARCH 2025 • VOLUME 155 • ISSUE 3

## contents

### ARTICLES (continued)

-  **Pediatric Cholecystectomy Case Volume and Complexity Following the COVID-19 Pandemic** 33  
*Olivia A. Keane, Shadassa Ourshalimian, Romeo Ignacio, Shannon Acker, Aaron Jensen, Katrine Lofberg, Claudia Mueller, Benjamin E. Padilla, Samir Pandya, David H. Rothstein, Katie W. Russell, Caitlin Smith, MaKayla O'Guinn, Madeleine Ing, Gretchen Floan Sachs, Alexandra Highet, Stephanie E. Iantorno, Lauren R. Templeton, Brielle Ochoa, Utsav M. Patwardhan, Alyssa Peace, Marisa E. Schwab, Tina H. Tran, Lorraine I. Kelley-Quon*
- In this retrospective cohort study of 10 children's hospitals, there was a substantial increase in pediatric cholecystectomy case volume and complexity during the COVID-19 pandemic.
-  **Parent Perspectives on Health Care–Based Voter Engagement: A Qualitative Study** 34  
*Margaret N. Jones, Tessa N. Doan, Lauren Lipps, Tierra Dennis, Talia Ruxin, Sarah J. Kopp, Victoria Liu, Saishravan Shyamsundar, Andrew F. Beck, Hilary Izatt, James A. McCann, Wylie D. C. Chang, Laura Sandoval, Saige Camara, Kristen A. Copeland*
-  **Pediatrician Work Hours: 2013–2022** 35  
*William L. Cull, Mary Pat Frintner, Tylar W. Kist, Gary L. Freed, Bobbi J. Byrne*
- Tracking work hours for the same pediatricians across a decade, this longitudinal study reveals the work patterns of general pediatricians, hospitalists, and subspecialists.



### REVIEW ARTICLES

-  **Brief Assessment Tools for Obsessive-Compulsive Disorders in Children: A Systematic Review** 36  
*Gaelen P. Adam, Eduardo L. Caputo, Ghid Kanaan, Jennifer B. Freeman, Elizabeth H. Brannan, Ethan M. Balk, Thomas A. Trikalinos, Dale W. Steele*
- Meta-analysis of a variety of OCD scales suggests that CBCL-OCS may indicate which youth should be further evaluated for OCD.
-  **Treatment of Obsessive-Compulsive Disorder in Children and Youth: A Meta-Analysis** 37  
*Dale W. Steele, Ghid Kanaan, Eduardo L. Caputo, Jennifer B. Freeman, Elizabeth H. Brannan, Ethan M. Balk, Thomas A. Trikalinos, Gaelen P. Adam*
- Exposure and response prevention, SSRIs, and clomipramine are all efficacious treatments for OCD. ERP alone or in combination is more effective than SSRIs alone.

### STATE OF THE ART REVIEW

- Clinical Application of Bacteriophage Therapy in Children** 38  
*Nanda Ramchandar, John S. Bradley*
- Bacteriophages offer a promising alternative to antibiotics. We describe these novel agents, review the literature, explore future directions, and outline key areas for research.

### SPECIAL ARTICLE

-   **Human-Centered Design to Create an Emergency Care Action Plan for Children With Medical Complexity** 39  
*Christian D. Pulcini, Sarabeth Broder-Fingert, Peter Callas, Peter S. Dayan, Brittany Drath, Callan Gravel-Pucillo, Dennis Z. Kuo, Miles Lamberson, Rakesh D. Mistry, Abigail Palaza, Martha Stevens, Jan Yeager, Renee D. Stapleton*
- We present human-centered design as a strategy to address pediatric care challenges through creation of an emergency care action plan for children with medical complexity.

# PEDIATRICS®

MARCH 2025 • VOLUME 155 • ISSUE 3

## contents

### COMMENTARIES

**The Waiting Game: Boarding for Pediatric Mental Health Emergencies** 40  
*Joel D. Hudgins, Lois K. Lee*

**Autism Spectrum Disorder and Medical Complexity: A Sum Greater Than Its Parts** 42  
*Ryan J. Coller, Leann Smith DaWalt*

**How Concerning Is a Single Bruise for Child Physical Abuse?** 45  
*Tagrid M. Ruiz-Maldonado, Suzanne B. Haney*

**Factors Associated With Delay in Care for Children and Adolescents With Adnexal Torsion** 47  
*Nicole Mercado Fischer, Joseph Sanfilippo*

**Embedding Pediatric Obesity Treatment in Community-Based Settings: Opportunities and Challenges** 51  
*Sarah L. Maxwell, Amy L. Beck*

 **Thinking More About Less: A Health Care System for Lower-Acuity Infants** 53  
*Elizabeth G. Salazar, Sara C. Handley, Scott A. Lorch*


**Safety and Efficacy of Probiotics for Preterm Infants** 55  
*Roger F. Soll, Erika M. Edwards*

**Obsessive-Compulsive Disorder in Children and Adolescents: Early Detection in Primary Care Settings** 58  
*Isheeta Zalpuri, Morgan Matzke, Shashank V. Joshi*

**Tackling Antibiotic Stewardship Challenges in the Neonatal Intensive Care Unit Through Rigorous Quality Improvement** 60  
*Jeffrey M. Meyers*

### QUALITY REPORTS

**Reduction of Overall Antibiotic Utilization Rate in a Level IV Neonatal Intensive Care Unit** 64  
*Reema Paul, Dipen Vyas, Vilmaris Quinones Cardona, Margaret Gilfillan, Megan Young, Kimberly Pough, Alison J. Carey*

 **Reducing Antibiotic Use for Culture-Negative Sepsis in a Level IV Neonatal Intensive Care Unit** 65  
*Jessica M. Lewis, Laura Nell Hodo, Jennifer Duchon, Courtney E. Juliano*

### DIAGNOSTIC DILEMMAS

**Unilateral Leg Swelling and Liver Enzyme Elevation in an Adolescent** 66  
*Gabrielle Horner, Grace Luger, Mary McGrath, Anita Sharma, David A. Bloom, Victoria Shakhin*

### CASE REPORTS—Online only at [www.pediatrics.org](http://www.pediatrics.org)

**Atraumatic Subdural Hematoma in a Patient on Adalimumab**  
*Anthony V. Nguyen, Bronson M. Ciavarra, Muralidhar Jatla, Eric R. Trumble*

• This is a case report of a patient with ulcerative colitis on adalimumab therapy who presented with a spontaneous subdural hematoma.

**Confirmed Systemic Mastocytosis in a Pediatric Patient With Widespread Cutaneous Symptoms**  
*Julia A. Cahill, Sneha Suresh, Joel R. Livingston*

• Mastocytosis is characterized by deposition of mast cells into different organ. We describe a case of pediatric systemic mastocytosis, highlighting unusual diagnostic and clinical features.

# PEDIATRICS®

MARCH 2025 • VOLUME 155 • ISSUE 3

## contents

### FROM THE AMERICAN ACADEMY OF PEDIATRICS

#### e-Policy Pages—[www.pediatrics.org](http://www.pediatrics.org)

##### Clinical Reports

##### **Guidance for the Primary Care Provider in Identifying Infants With Biliary Atresia by 2–4 Weeks of Life: Clinical Report**

*Sanjiv Harpavat, Susan W. Aucott, Saul J. Karpen, Benjamin L. Shneider, Kasper Wang, and the SECTION ON GASTROENTEROLOGY, HEPATOLOGY, AND NUTRITION; COMMITTEE ON FETUS AND NEWBORN; SECTION ON SURGERY*

##### **Pediatric Acute-Onset Neuropsychiatric Syndrome (PANS): Clinical Report**

*Board of Directors*

##### Technical Report

##### **Abusive Head Trauma in Infants and Children: Technical Report**

*Sandeep K. Narang, Suzanne Haney, Ann-Christine Duhaimé, Jonathan Martin, Gil Binenbaum, Alejandra G. de Alba Campomanes, Rich Barth, Gina Bertocci, Margarite Care, Declan McGuone, COUNCIL ON CHILD ABUSE AND NEGLECT; SECTION ON OPHTHALMOLOGY, SECTION ON RADIOLOGY, AND SECTION ON NEUROLOGICAL SURGERY; SOCIETY FOR PEDIATRIC RADIOLOGY; AMERICAN ASSOCIATION OF CERTIFIED ORTHOPTISTS; AMERICAN ASSOCIATION FOR PEDIATRIC OPHTHALMOLOGY AND STRABISMUS; and AMERICAN ACADEMY OF OPHTHALMOLOGY*

#### LETTER TO THE EDITOR—Online only at [www.pediatrics.org](http://www.pediatrics.org)

##### **Respiratory Arrest in a Late Preterm Infant Presenting for a 2-Week Well-Visit**

*Daniel Hershey, Michael R. Wilson, and Richard D. Goldstein*