






contents

For Author Guidelines please visit www.pediatrics.org

For a Thank You to Our Reviewers please visit www.pediatrics.org/cgi/doi/10.1542/peds.2018Tribute

ARTICLES

-   **Sexual Minority Status and Age of Onset of Adolescent Suicide Ideation and Behavior** 33
- In a nationally representative cohort study, sexual minority youth were found to have earlier onset of suicide ideation and behavior than heterosexual youth.
- Jeremy W. Luk, Risè B. Goldstein, Jing Yu, Denise L. Haynie, Stephen E. Gilman*
-   **Disclosure of Self-Injurious Thoughts and Behaviors Across Sexual and Gender Identities** 37
- In this study, we explored differences in the disclosure of SITBs between SGM youth and their heterosexual and cisgender counterparts.
- Taylor A. Burke, Alexandra H. Bettis, Sierra C. Barnicle, Shirley B. Wang, Kathryn R. Fox*
-  **Parents' Intentions and Perceptions About COVID-19 Vaccination for Their Children: Results From a National Survey** 38
- In this nationally representative survey, we found that less than one-half of US parents are likely to have their child receive COVID-19 vaccines when they are available.
- Peter G. Szilagyi, Megha D. Shah, Jeanne R. Delgado, Kyla Thomas, Nathalie Vizueta, Yan Cui, Sitaram Vangala, Rashmi Shetgiri, Arie Kapteyn*
- SARS-CoV-2 Among Infants <90 Days of Age Admitted for Serious Bacterial Infection Evaluation** 39
- SARS-CoV-2 infection is common among infants <90 days of age admitted for an SBI evaluation during periods of high community SARS-CoV-2 circulation.
- Michal Paret, Karim Lalani, Carine Hedari, Annum Jaffer, Nisha Narayanan, Asif Noor, Jennifer Lighter, Rebecca Pellett Madan, Gail F. Shust, Adam J. Ratner, Vanessa N. Raabe*
- Medical Admissions Among Adolescents With Eating Disorders During the COVID-19 Pandemic** 40
- In this study, we examine medical admission patterns among adolescents with restrictive EDs before and after the onset of the COVID-19 pandemic.
- Alana K. Otto, Jessica M. Jary, Julie Sturza, Catherine A. Miller, Natalie Prohaska, Terrill Bravender, Jessica Van Huysse*

icon legend

Most of the articles in *PEDIATRICS* have more content available online at www.pediatrics.org.

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

STAY CONNECTED



 AAP News & Journals

 Gateway

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)

- NIH** **Community SARS-CoV-2 Surge and Within-School Transmission** 41
 • During the 2020–2021 winter surge of SARS-CoV-2 in North Carolina, K–12 within-school transmission remained extremely low among districts implementing basic mitigation strategies.
Kanecia O. Zimmerman, M. Alan Brookhart, Ibukunoluwa C. Kalu, Angelique E. Boutzoukas, Kathleen A. McGann, Michael J. Smith, Gabriela M. Maradiaga Panayotti, Sarah C. Armstrong, David J. Weber, Ganga S. Moorthy, Daniel K. Benjamin, The ABC Science Collaborative
- Six Month Follow-up of Patients With Multi-System Inflammatory Syndrome in Children** 42
 • This longitudinal cohort study of 50 children with MIS-C treated with immunomodulators in the acute phase reveals an uncomplicated and favorable 6-month cardiovascular prognosis.
Christine A. Capone, Nilanjana Misra, Madhusudan Ganigara, Shilpi Epstein, Sujatha Rajan, Suchitra S. Acharya, Denise A. Hayes, Mary Beth Kearney, Angela Romano, Richard A. Friedman, Andrew D. Blafox, Rubin Cooper, Charles Schleien, Elizabeth Mitchell
- Influenza Antiviral Treatment and Length of Stay** 43
 • Among hospitalized children with influenza, early antiviral treatment within 2 days of symptom onset was associated with shortened hospitalization compared with no or later treatment.
Angela P. Campbell, Jerome I. Tokars, Sue Reynolds, Shikha Garg, Pam Daily Kirley, Lisa Miller, Kimberly Yousey-Hindes, Evan J. Anderson, Oluwakemi Oni, Maya Monroe, Sue Kim, Ruth Lynfield, Chad Smelser, Alison T. Muse, Christina Felsen, Laurie M. Billing, Ann Thomas, Elizabeth Mermel, Mary Lou Lindegren, William Schaffner, Andrea Price, Alicia M. Fry
- Antiviral Use in Canadian Children Hospitalized for Influenza** 44
 • In this article we explore the extent and factors associated with antiviral use among Canadian children hospitalized with influenza in the decade following the 2009 H1N1 pandemic.
Kayur Mehta, Shaun K. Morris, Julie A. Bettinger, Wendy Vaudry, Taj Jadavji, Scott A. Halperin, Christina Bancej, Manish Sadarangani, Nandini Dendukuri, Jesse Papenburg, for the Canadian Immunization Monitoring Program Active (IMPACT) Investigators
- NIH** **Patient, Provider, and Health Care System Characteristics Associated With Overuse in Bronchiolitis** 45
 • In this study, we used a statewide database to determine the patient, provider, and health system characteristics associated with overuse in bronchiolitis.
Elizabeth R. Wolf, Alicia Richards, Martin Lavallee, Roy T. Sabo, Alan R. Schroeder, Matthew Schefft, Alex H. Krist
- Emergency Department Pediatric Visits in Alberta for Cannabis After Legalization** 46
 • In this article we describe changes in cannabis-related pediatric presentation volumes and codiagnoses to urban Alberta EDs before and after national nonmedical cannabis legalization.
Matthew E.M. Yeung, Colin G. Weaver, Riley Hartmann, Rebecca Saah-Haines, Eddy Lang
- NIH** **Concurrent Use of E-cigarettes, Combustible Cigarettes, and Marijuana** 49
 • We determined subgroups of e-cigarette, cigarette, and marijuana users in a representative adolescent sample and determined how subgroups differed on 14 risk and protective factors.
Thomas A. Wills, Adam Matthew Leventhal, James D. Sargent, Ian Pagano
- Early-Onset Sepsis Among Very Preterm Infants** 50
 • We conduct a prospective observational study of the epidemiology, microbiology, and associated outcomes of EOS among very preterm infants using a nationally representative cohort.
Dustin D. Flannery, Erika M. Edwards, Karen M. Puopolo, Jeffrey D. Horbar
- Opioid Use Disorder and Perinatal Outcomes** 51
 • In this study, we report on perinatal OUD and the effects of opioid agonist treatment on the health of mothers and infants from provincial data.
Micah Piske, Fahmida Homayra, Jeong E. Min, Haoxuan Zhou, Carolyn Marchand, Annabel Mead, Jennifer Ng, Megan Woolner, Bohdan Nosyk

contents

ARTICLES (continued)

-   **Teaching Basic Life Support to 5- to 8-Year-Old Children: A Cluster Randomized Trial** 52
- In this study, we tested new didactic materials adapted to teach schoolchildren BLS skills and evaluated how best to maintain these skills over time.
- Cristina Varela-Casal, Cristian Abelairas-Gómez, Martín Otero-Agra, Roberto Barcala-Furelos, Antonio Rodríguez-Núñez, Robert Greif*
-  **Economic Trends of Racial Disparities in Pediatric Postappendectomy Complications** 53
- In this study, we sought to outline a two-decade trend of racial disparities in appendectomy outcomes and its attendant economic impact on our health care system.
- Christian Mpody, Brittany Willer, Ekua Owusu-Bediako, Alex R. Kemper, Joseph D. Tobias, Olubukola O. Nafu*
-  **Newborn Pulse Oximetry for Infants Born Out-of-Hospital** 54
- Newborn pulse oximetry can be adapted to out-of-hospital births to identify newborns with critical congenital heart disease without compromising the efficacy of the tool.
- Katie B. Williams, Michael Horst, Erika A. Hollinger, Jacob Freedman, Matthew M. Demczko, Devyani Chowdhury*
-  **A Text-Based Intervention to Promote Literacy: An RCT** 55
- The health sector has unique access to difficult-to-reach children aged 0–5 years. In this clinic-based texting intervention, we reached underresourced families and increased child literacy levels.
- Lisa J. Chamberlain, Janine Bruce, Monica De La Cruz, Lynne Huffman, Jecca Rhea Steinberg, Ren Bruguera, Jaime W. Peterson, Rebecca M. Gardner, Zihuai He, Yesenia Ordaz, Elizabeth Connelly, Susanna Loeb*
-  **Reading Proficiency Trends Following Newborn Hearing Screening Implementation** 58
- In this article, we examine trends in reading proficiency among Colorado children who are deaf or hard of hearing after implementation of UNHS (2000–2014).
- Christine Yoshinaga-Itano, Craig A. Mason, Mallene Wiggan, Scott D. Grosse, Marcus Gaffney, Phillip M. Gilley*
-  **Pubertal Suppression, Bone Mass, and Body Composition in Youth With Gender Dysphoria** 59
- With this study, we discuss BMD, body composition in youth with GD before and after puberty suppression with GnRHAs, and vitamin D status.
- Behdad Navabi, Ken Tang, Karine Khatchadourian, Margaret L. Lawson*
-   **Comparative Effectiveness of Clinical and Community-Based Approaches to Healthy Weight** 63
- In this randomized trial in a Hispanic, low-income population, a PWMI delivered in a HWC was effective in improving BMI.
- Lauren Fiechtner, Meghan Perkins, Vincent Biggs, Nancy Langhans, Mona Sharifi, Sarah Price, Man Luo, Joseph J. Locascio, Katherine H. Hohman, Heather Hodge, Steven Gortmaker, Shioban Torres, Elsie M. Taveras*
-  **Comparative Effectiveness of Parent-Based Interventions to Support Injured Children** 64
- Two parent-based programs were equally associated with improved psychosocial recovery of injured children. One program, which used MI, also modestly improved child problem behaviors.
- Marizen R. Ramirez, Javier E. Flores, Briana Woods-Jaeger, Joseph E. Cavanaugh, Corinne Peek-Asa, Cassidy Branch, Mallory Bolenbaugh, Vidya Chande, Graeme Pitcher, Henry W. Ortega, Kimberly A. Randell, Kristel Wetjen, Lisa Roth, Justin Kenardy*
-   **Six Stages of Engagement in ADHD Treatment Described by Diverse, Urban Parents** 65
- Six stages of engagement in ADHD treatment were described by diverse, urban parents of children with ADHD enrolled in a qualitative study on care engagement.
- Andrea E. Spencer, Jennifer Sikov, J. Krystal Loubeau, Nicole Zolli, Tithi Baul, Megan Rabin, Syeda Hasan, Katherine Rosen, Olivia Buonocore, Julia Lejeune, Rohan Dayal, Lisa Fortuna, Christina Borba, Michael Silverstein*

contents

ARTICLES *(continued)*

- U Educational Priorities for Providing End-of-Life Care: Parent Perspectives** 66
 • We partnered with bereaved parents in identifying existing supports and missed opportunities in the care of children and their families at EOL.
Gitanjali Arora, Menchie Caliboso, Jennifer Baird, Rachel Rusch, Jennifer Greenman, Daniela Obregon, Janet R. Serwint
- U Parenthood and Parental Leave Decisions in Pediatric Residency** 67
 • We describe residents' decisions to delay childbearing, parental leave during pediatric residency, and the association with well-being, satisfaction with leave policies, and breastfeeding experiences.
Kelly M.W. Dundon, Weston T. Powell, Jayme L. Wilder, Beth King, Alan Schwartz, Heather McPhillips, Jennifer A. Best, for the APPD LEARN Parenthood in Pediatric Residency Study Consortium
- Burnout and Perceptions of Stigma and Help-Seeking Behavior Among Pediatric Fellows** 68
 • In this article, the authors find that, among pediatric subspecialty fellows, burnout is associated with increased perception of workplace stigma around help seeking for mental health conditions.
Anna K. Weiss, Sheila M. Quinn, Amy L. Danley, Kandi J. Wiens, Jay J. Mehta

COMMENTARIES

- NIH Effective Screening and Treatment to Reduce Suicide Risk Among Sexual and Gender Minority Youth** 34
Pamela J. Murray, Brian C. Thoma
- Unintended but Hardly Unexpected Consequences of Cannabis Legalization** 47
Sheryl A. Ryan
- Raising the Bar for Evaluating Effectiveness of Early Childhood Interventions** 56
Jack P. Shonkoff, Dana Charles McCoy
- Bone Health Among Transgender Youth: What Is a Clinician to Do?** 60
Laura K. Bachrach, Catherine M. Gordon

FROM THE AMERICAN ACADEMY OF PEDIATRICS

- Policy Statement**
- Race-Based Medicine** 87
American Academy of Pediatrics Board of Directors and Executive Committee
- Recommendations for Prevention and Control of Influenza in Children, 2021–2022** 90
Committee on Infectious Diseases
- Clinical Report**
- Half Century Since AIDS: A Reappraisal of Terminology** 99
Carrie K. Shapiro-Mendoza, Vincent J. Palusci, Benjamin Hoffman, Erich Batra, Marc Yester, Tracey S. Corey, Mary Ann Sens, AAP Task Force on Sudden Infant Death Syndrome, Council on Child Abuse And Neglect, Council on Injury, Violence, and Poison Prevention, Section on Child Death Review and Prevention, National Association of Medical Examiners
- Policy Statement**
- School-Based Health Centers and Pediatric Practice** 111
Chris Kjolhede, April C. Lee, Council on School Health

contents

e-Policy Pages—www.pediatrics.org

Technical Report

Recommendations for Prevention and Control of Influenza in Children, 2021–2022

Committee on Infectious Diseases

AAP Publications Reaffirmed or Retired

PEDIATRICS PERSPECTIVES

Important Considerations for COVID-19 Vaccination of Children With Developmental Disabilities

Sarah C. Tinker, Mary E Cogswell, Georgina Peacock, A. Blythe Ryerson

1

FAMILY PARTNERSHIPS

When Fentanyl Finds an Outlier: Talking With Teenagers About the Danger

Scott D. Cook-Sather, Elynor Urban, Vincent A. Romano, Michael A. Romano

4

FEATURES

Social Determinants Do Not Determine Me

• A discussion of pursuing medicine despite social barriers, in this article, the author captures the importance of visibility and representation in the name of health equity for underserved populations.

Haleigh Prather

8

Sharing Stories Through Art: Promoting Resident Connection During and After the COVID-19 Pandemic

Rachel E. Korus, Danielle G. Rabinowitz

11

ADVOCACY CASE STUDIES

Collaborating to Advocate in Primary Care for Children During COVID-19

• PCPs and specialists form a Collaborative to optimize clinical care during the COVID-19 pandemic and advocate to improve child health and wellbeing.

Elizabeth Harrison, Jane Garbutt, Randall Sterkel, Sherry Dodd, Ruoyun Wang, Jason Newland, Katie Plax, St Louis Regional Pediatric Covid-19 Learning Collaborative

14

The Campaign for Universal Free Lunch in New York City: Lessons Learned

• In this advocacy case study, we describe the L4L Coalition's advocacy campaign to provide UFL to all 1.1 million NYC public school students.

Abigail Watts, Anna L. Araiza, Cristina R. Fernández, Leslie Rosenthal, Ileana Vargas-Rodriguez, Nathalie Duroseau, Liz Accles, Jessica Rieder, on behalf of the American Academy of Pediatrics New York Chapter 3 Committee on Nutrition and Obesity and the Community Food Advocates

20

RESEARCH BRIEFS

Health Care Insurance Adequacy for Children and Youth With Special Health Care Needs

Jay G. Berry, James M. Perrin, Clarissa Hoover, Jonathan Rodean, Rishi K. Agrawal, Karen A. Kuhlthau

30

REVIEW ARTICLES

Screening for Anxiety in Pediatric Primary Care: A Systematic Review

• This systematic review summarizes the evidence regarding anxiety screening in primary care, including treatment outcomes for those identified through screening.

Alex R. Kemper, Tiasha Barik Letostak, Cody A. Hostutler, Kevin G. Stephenson, Eric M. Butter

69

Cognitive and Executive Function in Congenital Heart Disease: A Meta-analysis

• This article is a systematic review and meta-analysis of the current literature on cognitive and executive functioning in school-aged children with complex CHD.

Maria Feldmann, Céline Bataillard, Melanie Ehrler, Cinzia Ullrich, Walter Knirsch, Martina A. Gosteli-Peter, Ulrike Held, Beatrice Latal

70

contents

REVIEW ARTICLES *(continued)*

- U Neonatal Stress, Health, and Development in Preterms: A Systematic Review** 71
 • This study reports on the associations between neonatal stress and clinical, laboratory, and imaging outcomes regarding health and development in preterm infants.
Nienke H. van Dokkum, Marlou L.A. de Kroon, Sijmen A. Reijneveld, Arend F. Bos
- U Nature and Children's Health: A Systematic Review** 72
 • Current literature supports a positive relationship between nature contact and children's health outcomes and behaviors, especially for physical activity and mental health.
Amber L. Fyfe-Johnson, Marnie F. Hazlehurst, Sara P. Perrins, Gregory N. Bratman, Rick Thomas, Kimberly A. Garrett, Kiana R. Hafferty, Tess M. Cullaz, Edgar K. Marcuse, Pooja S. Tandon
- U High-Intensity Interval Training and Cardiometabolic Risk Factors in Children: A Meta-analysis** 73
 • This meta-analysis synthesizes the effectiveness of HIIT interventions on improving cardiovascular risk factors such as obesity, hypercholesterolemia, CRF and blood pressure on school-aged children.
Montserrat Solera-Martínez, Ángel Herraiz-Adillo, Ismael Manzanares-Domínguez, Lidia Lucas De La Cruz, Vicente Martínez-Vizcaino, Diana P. Pozuelo-Carrascosa

SPECIAL ARTICLES

- National Pediatric Experience With Virtual Interviews: Lessons Learned and Future Recommendations** 74
 • Significantly impacted by the COVID-19 pandemic, the pediatric education community coalesced to support programs and applicants. We present lessons learned and recommendations for the future.
John G. Frohna, Linda A. Waggoner-Fountain, Jill Edwards, Jill J. Fussell, Beth Wueste, Joseph Gigante, Robert J. Vinci, Nicholas M. Heitkamp, Mekala K. Neelakantan, Laura E. Degnon, Rebecca L. Blankenburg, Pediatrics Recruitment Study Team

- NIH U Baby's First Years: Design of a Randomized Controlled Trial of Poverty Reduction in the United States** 75
 • The BFY study is the first RCT designed to identify the causal impact of poverty reduction on early childhood development.
Kimberly G. Noble, Katherine Magnuson, Lisa A. Gennetian, Greg J. Duncan, Hirokazu Yoshikawa, Nathan A. Fox, Sarah Halpern-Meekin

ETHICS ROUNDS

- Should a Healthcare System Facilitate Racially Concordant Care for Black Patients?** 76
 • Commentators explore how health care managers should act on the literature revealing health benefits of Black patient–clinician racial concordance.
Lauren A. Taylor, Osaze Udeagbala, Adam Helen-Maria Biggs, Lekas, Keisha Ray

QUALITY REPORTS

- NIH U Optimizing Situation Awareness to Reduce Emergency Transfers in Hospitalized Children** 83
 • Optimization of SA via enhanced communication, psychological safety, and EHR tools was associated with decreased ETs to the ICU.
Tina Sosa, Mary Sitterding, Maya Dewan, Michelle Coleman, Brandy Seger, Katy Bedinghaus, DeAnna Hawkins, Benjamin Maddock, Jackie Hausfeld, Richard Falcone, Patrick W. Brady, Jeffrey Simmons, Christine M. White
- Factorial Analysis Quantifies the Effects of Pediatric Discharge Bundle on Hospital Readmission** 84
 • By stratifying patients into CRGs, we used factorial analysis to identify individual and combined discharge bundle element effects on readmission for each population.
Snezana Nena Osorio, Sandra Gage, Leah Mallory, Paula Soung, Alexandra Satty, Erika L. Abramson, Lloyd Provost, David Cooperberg, on behalf of the Impact Study Group

contents

QUALITY REPORTS *(continued)*

NIH **Decreasing Continuous Positive Airway Pressure Failure in Preterm Infants** 85

• We implemented a QI bundle to optimize CPAP and LISA to decrease CPAP failure in preterm infants.
Venkatakrishna B. Kakkilaya, Heather M. Weydig, William E. Smithhart, Shelly D. Renfro, Kristi M. Garcia, Cari M. Brown, Henry He, Sheron A. Wagner, Glenn C. Metoyer, L. Steven Brown, Vishal S. Kapadia, Rashmin C. Savani, Mambarambath A. Jaleel

NIH **Reducing Severe Tracheal Intubation Events Through an Individualized Airway Bundle** 86

• Through implementation of an individualized patient AB, this quality improvement project decreased severe adverse TIAEs in a level IV NICU.
Heidi M. Herrick, Nicole Pouppirt, Jacqueline Zedalis, Bridget Cei, Stephanie Murphy, Leane Soorikian, Kelle Matthews, Rula Nassar, Natalie Napolitano, Akira Nishisaki, Elizabeth E. Foglia, Anne Ades, Ursula Nawab

CASE REPORTS—Online only at www.pediatrics.org

IgA Nephropathy as the Initial Presentation of Celiac Disease in an Adolescent

• In this case study with 5-year follow-up, I describe an adolescent whose IgA nephropathy was actually the initial presentation of celiac disease.

Stuart F. Slavin

Gender Dysphoria and Chronic Pain in Youth

• We present pain trajectory data for patients who were treated for chronic pain and GD.

Mohammed Sayeem, Bridgette Carter, Priya Phulwani, William T. Zempsky

Metronidazole-Induced Hepatitis in a Teenager With Xeroderma Pigmentosum and Trichothiodystrophy Overlap

• A teenager with combined features of XP and trichothiodystrophy showed extreme liver toxicity when treated with metronidazole. This hypersensitivity was reflected in cultured cells.

Adesoji Abiona, Nuno Cordeiro, Heather Fawcett, Deborah Tamura, Sikandar G. Khan, John J. DiGiovanna, Alan R. Lehmann, Hiva Fassih

LETTER TO THE EDITOR—Online only at www.pediatrics.org

ERRATA—Online only at www.pediatrics.org