AUGUST 2018 · VOLUME 142 · NUMBER 2

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



= free access online



= funded by NIH

contents

Classified Advertisements & Announcements

A13-A18

15

16

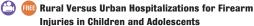
21

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.2017Tribute

ARTICLES





• In this study, we compare rates of hospitalizations for firearm injuries in children and adolescents between rural and urban areas of the United States.

Bradley R. Herrin, Julie R. Gaither, John M. Leventhal, James Dodington





Outpatient Opioid Prescriptions for Children and Opioid-Related Adverse Events

· We studied outpatient prescribing in a large population of Tennessee Medicaid children without severe conditions and calculated the incidence of subsequent opioid-related adverse events.

Cecilia P. Chung, S. Todd Callahan, William O. Cooper, William D. Dupont, Katherine T. Murray, Andrew D. Franklin, Kathi Hall, Judith A. Dudley, C. Michael Stein, Wayne A. Ray





Social Aspects of Hookah Smoking Among US Youth

· Hookah smoking among youth is a public health concern with deep sociocultural underpinnings. We investigated the social aspects of hookah smoking among US adolescents.

Israel Agaku, Satomi Odani, Brian Armour, Rebecca Glover-Kudon

The print edition of Pediatrics contains abstracts of original research and full text of policies of the American Academy of Pediatrics. Full text of original research and all other journal article types can be found online at www.pediatrics.org.











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

American Academy of Pediatrics



AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

ARTICLES (continued)

Trends in Abstaining From Substance Use in Adolescents: 1975-2014

22

· In this study, we investigate the trends in nonuse of tobacco, alcohol, and marijuana and complete abstinence among HS students over the past 40 years.

Sharon Levy, Michael D. Campbell, Corinne L. Shea, Robert DuPont



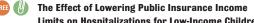
Adults' Perceptions of Nicotine Harm to Children

23

• Although the majority of American adults characterized nicotine as being definitely harmful to children, there are important subgroup differences.

Catherine B. Kemp, Claire Adams Spears, Terry F. Pechacek, Michael P Friksen





Limits on Hospitalizations for Low-Income Children

· Using 3 eligibility scenarios, we describe how reductions in income limits for public insurance affects hospitalizations of children currently insured publicly.

Jessica L. Bettenhausen, Matthew Hall, Jeffrey D. Colvin, Henry T. Puls, Paul J. Chung





🚌 👊 似 Federal Parity and Spending for Mental Illness

27

24

· In this study, we estimate the impact of the MHPAEA on mental health service use and spending among children.

Alene Kennedy-Hendricks, Andrew J. Epstein, Elizabeth A. Stuart, Rebecca L. Haffajee, Emma E. McGinty, Alisa B. Busch, Haiden A. Huskamp, Colleen L. Barry





Health of Infants After ART-Treated, Subfertile, and Fertile Deliveries

31

32

· With this population-based study, we assessed health outcomes of infants born to fertile, subfertile, and ART-treated mothers in Massachusetts.

Sunah S. Hwang, Dmitry Dukhovny, Daksha Gopal, Howard Cabral, Stacey Missmer, Hafsatou Diop, Eugene Declercq, Judy E. Stern

The Nutritional Quality of Gluten-Free **Products for Children**

· This analysis of child-targeted packaged foods reveals that the GF label does not signal a nutritionally superior product. Most of these products are high in sugar.

Charlene Elliott





🚌 台 🥼 Parents' Adverse Childhood Experiences and Their Children's Behavioral Health Problems

 Data from a national survey of families revealed that parents with a history of many ACEs are more likely to have children with behavioral health problems.

Adam Schickedanz, Neal Halfon, Narayan Sastry, Paul J. Chung

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



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

ARTICLES (continued)





Clinical Implications of the Revised AAP Pediatric Hypertension Guidelines

 We evaluated the impact of the new pediatric hypertension guidelines on hypertension prevalence and associations with TOD.

Michael Khoury, Philip R. Khoury, Lawrence M. Dolan, Thomas R. Kimball, Elaine M. Urbina



High Blood Pressure at Early School Age Among Extreme Preterms

 Former EPT infants of normal weight or overweight at early school age are at risk for high BP, indicating a need for postdischarge surveillance.

Betty R. Vohr, Roy Heyne, Carla Bann, Abhik Das, Rosemary D. Higgins, Susan R. Hintz, for the Eunice Kennedy Shriver National Institute of Child Health, Development Neonatal Research Network

Blood Pressure Thresholds and Mortality in Pediatric Traumatic Brain Injury

 In this study, through our analysis of the NTDB, we examine early SBP thresholds and mortality after severe pediatric TBI.

Pratthana Suttipongkaset, Nophanan Chaikittisilpa, Monica S. Vavilala, Abhijit V. Lele, Arraya Watanitanon, Theerada Chandee, Vijay Krishnamoorthy





Drinking or Smoking While Breastfeeding and Later Cognition in Children

 Using data from the LSAC, we examine relationships between maternal drinking and smoking while breastfeeding and children's cognitive outcomes.

Louisa Gibson, Melanie Porter



Out-of-Home Care and Subsequent Preterm Delivery: An Intergenerational Cohort Study

 With national population data and information across 3 generations, we assessed the association between maternal early-life adverse experience and preterm delivery.

Can Liu, Bo Vinnerljung, Viveca Östberg, Karl Gauffin, Sol Juarez, Sven Cnattingius, Anders Hjern



Factors Associated With Refusal of Intramuscular Vitamin K in Normal Newborns

 The frequency of IM vitamin K administration refusal in a national network of well newborn units in the United States was 0.6%.

Jaspreet Loyal, James A. Taylor, Carrie A. Phillipi, Neera K. Goyal, Kelly E. Wood, Carl Seashore, Beth King, Eve Colson, Veronika Shabanova, Eugene D. Shapiro, on behalf of the BORN investigators

icon legend

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



33

34

35

36

39

42

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

ARTICLES (continued)



· Through verification of EMS data, we objectively characterize the frequency and etiology of pediatric emergencies in ambulatory practices in a metropolitan area.

Matthew L. Yuknis, Elizabeth Weinstein, Hannah Maxey, Lori Price, Sierra X. Vaughn, Tom Arkins, Brian D. Benneyworth





· Rates of safety events in hospitalized children did not improve from 2007 to 2012.

David C. Stockwell, Christopher P. Landrigan. Sara L. Toomey, Samuel S. Loren, Jisun Jang, Jessica A. Quinn, Sepideh Ashrafzadeh, Michelle J. Wang, Melody Wu, Paul J. Sharek, David C. Classen, Rajendu Srivastava, Gareth Parry, Mark A. Schuster, for the GAPPS Study Group



HIV and Syphilis Screening Among Adolescents Diagnosed With Pelvic Inflammatory Disease

· In this retrospective cohort study, we used the PHIS database to demonstrate that adolescents with PID are underscreened for HIV and syphilis.

Amanda Jichlinski, Gia Badolato, William Pastor, Monika K. Goyal



Visual and Hearing Impairments After Preterm Birth

· In this large national register study, we evaluated the incidence and risk factors of sensory impairments among prematurely born children.

Mikko Hirvonen, Riitta Ojala, Päivi Korhonen, Paula Haataja, Kai Eriksson, Mika Gissler, Tiina Luukkaala, Outi Tammela



Complex Care Hospital Use and Postdischarge **Coaching: A Randomized Controlled Trial**

· Hospital use and charges were reduced by a caregiver coaching intervention used to support care of patient crises and discharge transitions.

Rvan J. Coller. Thomas S. Klitzner. Carlos F. Lerner. Bergen B. Nelson, Lindsey R. Thompson, Qiangian Zhao, Adrianna A. Saenz, Siem Ia, Jessica Flores-Vazquez, Paul J. Chung



Placental Abruption and Child Mortality

• On the basis of high-quality Finnish register data, we demonstrate a significant impact of placental abruption on overall offspring mortality, even beyond the perinatal period.

Outi Riihimäki, Marjo Metsäranta, Jorma Paavonen, Tiina Luukkaala, Mika Gissler, Sture Andersson, Mika Nuutila, Minna Tikkanen

icon legend

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



43

44

48

49

50

51

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

ARTICLES (continued)

Heterotaxy Syndrome and Intestinal Rotation Abnormalities

 In this study, 72% of evaluated infants with HS had IRAs. There was no failure of expectant management resulting in midgut volvulus.

Lindsay M. Ryerson, Scott Pharis, Charissa Pockett, Reeni Soni, Deborah Fruitman, Kristine J. Guleserian, Melissa Nater, Stephen C Raynor, Andrew S. Mackie, Bryan Dicken

COMMENTARIES

🚌 The National Opioid Epidemic and the Risk of 17 **Outpatient Opioids in Children** Elliot J. Krane, Steven J. Weisman, Gary A. Walco **Cutting Children's Health Care Costs** 25 Christopher P. Landrigan 🚌 Can Mental Health Parity Help Address 28 the Mental/Behavioral Gap in Child Health? **Maternal Alcohol Use During Lactation and** 37 **Child Development** Lauren M. Jansson Stress As a Link Between Childhood Trauma and 40 **Preterm Delivery** Moira Szilagyi "GAPPS" in Patient Safety 45 Ricardo A. Quinonez, Alan R. Schroeder

FROM THE AMERICAN ACADEMY OF PEDIATRICS

Section on Hospital Medicine

Policy Statement Food Additives and Child Health 69 Leonardo Trasande, Rachel M. Shaffer, Sheela Sathyanarayana, Council on Environmental Health **Technical Report Food Additives and Child Health** 77 Leonardo Trasande, Rachel M. Shaffer, Sheela Sathyanarayana, Council on Environmental Health **Clinical Report** Physician's Role in Coordinating Care of **Hospitalized Children** Daniel A. Rauch, Committee on Hospital Care,

icon legend

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



52

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

FROM THE AMERICAN ACADEMY OF PEDIATRICS (continued)

Clinical Report

The Eye Examination in the Evaluation of Child Abuse

Cindy W. Christian, Alex V. Levin, Council on Child Abuse and Neglect, Section on Ophthalmology, American Association of Certified Orthoptists, American Association for Pediatric Ophthalmology and Strabismus, American Academy of Ophthalmology

Clinical Report

Counseling in Pediatric Populations at Risk for Infertility and/or Sexual Function Concerns

Leena Nahata, Gwendolyn P. Quinn, Amy C. Tishelman, Section on Endocrinology

e-Policy Pages—www.pediatrics.org

Statement of Endorsement

Epidemiology in Firearm Violence Prevention
Statement of Endorsement

Consensus Statement: Abusive Head Trauma in

REE Infants and Young Children

PEDIATRICS PERSPECTIVES

A "#MeToo Movement" for Children: Increasing Awareness of Sexual Violence Against Children

Nickolas T. Agathis, Carolyn Payne, Jean L. Raphael

Disorders of Sex Development/Intersex: Gaps in Psychosocial Care for Children

Michelle M. Ernst, Lih-Mei Liao, Arlene B. Baratz, David E. Sandberg

FAMILY PARTNERSHIPS

Transitioning From "Sick Kid" to Community Health Worker: Building Better Bridges to Adult Care

Katherine Wu, Dava Szalda, Symme Trachtenberg, Sophia Jan

MONTHLY FEATURE

Angel Unaware and Down Syndrome Awareness

 Dale Evans'1953 book, Angel Unaware, called for a new appreciation of children with DS and led to changes in attitudes regarding the condition.

H. Hughes Evans, Sarah T. Rice

icon legend

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



94

102

8

12

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

REVIEW ARTICLES—Online only at www.pediatrics.org



Language Disorders and Problem Behaviors: A Meta-analysis

• We meta-analyzed 47 studies in which authors investigated the association between language disorders and problem behaviors and found a moderate effect size that changes over development

Philip R. Curtis, Jennifer R. Frey, Cristina D. Watson, Lauren H. Hampton, Megan Y. Roberts

Children's Perspectives on Living With a Sibling With a Chronic Illness

· In this review, we synthesize the experiences of healthy siblings living with a sibling who has a PCI, producing 2 overarching themes and 5 subthemes.

Antoinette Deavin, Pete Greasley, Clare Dixon



Human and Bovine Colostrum for Prevention of Necrotizing Enterocolitis: A Meta-analysis

· In this study, we summarized the evidence of effectiveness and safety for human and bovine colostrum for prevention of NEC in preterm infants.

Behnam Sadeghirad, Rebecca L. Morgan, Dena Zeraatkar, Adriana M. Zea, Rachel Couban, Bradley C. Johnston, Ivan D. Florez

STATE-OF-THE-ART REVIEW ARTICLE—Online only at www.pediatrics.org



Pediatricians and Global Health: Opportunities and Considerations for Meaningful Engagement

• In this review, we describe opportunities, resources, and important personal and professional considerations for US-based pediatric practitioners who are engaged in GCH.

Gitanjli Arora, Emily Esmaili, Michael B. Pitt, Andrea Green, Lisa Umphrey, Sabrina M. Butteris, Nicole E. St Clair, Maneesh Batra, Cliff O'Callahan, on behalf of the Global Health Task Force of the American Board of Pediatrics

Research Consent at the Age of Majority: Preferable but not Obligatory

· There are important reasons for researchers to seek consent when participants turn 18 years old, but these must be balanced with scientific priorities.

Kyle B. Brothers, Benjamin S. Wilfond



Reconsidering the Need for Reconsent at 18

• In this article, we challenge the prevailing view that researchers must attempt to obtain consent at 18 years of age to continue doing research with stored samples.

Benjamin E. Berkman, Dana Howard, David Wendler

icon legend

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



53

54

55

56

57

62

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online





AUGUST 2018 · VOLUME 142 · NUMBER 2

contents

QUALITY REPORTS—Online only at www.pediatrics.org

exacerbations



Successful Chest Radiograph Reduction by **Using Quality Improvement Methodology for**

Children With Asthma Through OI methodology and targeted interventions, we describe the achievement of sustained CXR

reduction for pediatric patients with acute asthma

Caroline S. Watnick, Donald H. Arnold, Richard Latuska, Michael O'Connor, David P. Johnson



Integrating Psychological Screening Into Medical **Care for Youth With Abdominal Pain**

• This project reveals how to increase psychological screening rates for youth with abdominal pain and improve care for such youth on the basis of screening results.

Natoshia R. Cunningham, Erin Moorman, Courtney M. Brown, Daniel Mallon, Pavan K. Chundi, Constance A. Mara, Scott Pentiuk, Anne M. Lynch-Jordan, Dana M.H. Dykes, Julie Elfers, Michael K. Farrell

CASE REPORTS—Online only at www.pediatrics.org

Altered Mental Status at High Altitude

· We present unique cases of altered mental status at a high-elevation trauma 1 center.

Sydney Ryan, Nanette Dudley, Michael Green, Charles Pruitt, Geoffrey Jackman

Rectal Levothyroxine for the Treatment of Hypothyroidism: A Case Study

· Hypothyroidism requires treatment to prevent complications. When absolute fasting is needed, an alternative route of drug administration is warranted. Rectal L-T4 is a possible alternative.

Marina Ybarra, Tiago Jeronimo dos Santos, Claudia Teixeira Cabido Pinheiro, Vaê Dichtchekenian, Durval Damiani

Nonalimental Scurvy With Relapse Symptoms After Stopping Oral Vitamin C Supplementation

· On the basis of a history of a child with scurvy showing relapse symptoms after stopping treatment, we capture possible individual differences of vitamin C homeostasis

Nina Vaezipour, Kurt Leibundgut

e-Letters—Online only at www.pediatrics.org

Frrata Letters to the Editor

icon legend

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



67

68

= supplement



= data file/supplementary information available online



= podcast available online



= video available online



= free access online



