

## AHRQ New Grants in Children's Health, Fiscal Year 2013

PRINCIPAL INVESTIGATOR	AWARDEE	AWARD TYPE	DOLLAR AMOUNT	PROJECT TITLE	PURPOSE
<b>Research Projects</b>					
Aalsma, Matthew	Indiana University	R01	\$1.5M	Improving adolescent health outcomes through preventive care transformation	To implement an adolescent-based module of a computer decision support system in primary care and evaluate its effectiveness in diagnosis and treatment of common and difficult to diagnose and treat adolescent health issues
Cummins, Mollie Rebecca	University of Utah	R01	\$250K/year for 5 years	Electronic Exchange of Poisoning Information	To develop, implement and evaluate a replicable, scalable infrastructure (processes and informatics tools) for HIE-supported ED-PCC collaboration
Margolis, Peter A	Cincinnati Children's Hospital Medical Center	R01	\$737K	Enhancing the sustainability of a Pediatric Learning Health System (LHS)	To fully deploy the tools and procedures for transferring EHR data from care centers to the registry, incorporate new sources of clinical data, and better engage all LHS stakeholders
Ralston, James D*	Group Health Cooperative	R01	\$1.5M over 3 years	Patient reminders and notifications	To clarify core design elements through building and testing a prototype of a patient-controlled health reminder and notification system and establish feasibility of integration with the patient-centered medical home
Kempe, Allison*	University of Colorado-Denver	R18	\$2.4M	ACO/Public Health Collaborative Preventive Care Delivery to Priority Populations	To decrease vaccine-preventable diseases among children, adolescents, and adults by increasing implementation of the ACIP recommendations; and to create a collaborative framework between regional care collaborative organizations (RCCO) in Colorado that care for patients covered by Medicaid and the Colorado State Health Department Immunization Information System for the delivery of preventive care services

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Fiks, Alexander Gabriel	CHOP	R18	\$488k	Pediatric patient engagement as a criterion for meaningful use, stage 3	Drawing from implementation science, evaluate the determinants of implementation success, implementation outcomes, and health care outcomes resulting from implementing an asthma patient portal in a national, AHRQ-funded, Center for Pediatric Practice-based Research and Learning
Lee, Grace M	Harvard Pilgrim Health Care Inc.	R18	\$487K + \$500K + \$498K	Defining and preventing ventilator-associated complications in pediatrics	To facilitate the development and evaluation of a new quality measure for children called ventilator-associated complications (VAC)
Moyer, Virginia	American Board of Pediatrics, Inc.	R18	\$98K + \$100K + \$93K	Improving child health by disseminating patient centered outcomes research	To develop a program in collaboration with Cincinnati Children's to effectively disseminate patient-centered outcomes research that will improve care and outcomes for children with chronic illness, with an initial focus on optimizing the delivery and outcomes of medication use
Nishisaki, Akira	CHOP	R18	\$500k over 2 years	Improving the safety and quality of tracheal intubation in pediatric ICUs	To rigorously evaluate the clinical impact of a collaboratively developed NEAR4KIDS Tracheal Intubation (TI) safe practice bundled intervention across a diverse spectrum (large and small, academic and private) of pediatric ICUs
Santelli, John S	Society for Adolescent Health/Medicine	R18	\$300K over 3 years	Youth Providers 2.0	To improve the use of evidence-based practices among health care providers caring for adolescents and young adults, using new media technologies
Stockwell, Melissa S	Columbia University	R18	\$146K	DEVISE: Data Exchange of Vaccine Information between an IIS and EHR	To evaluate the impact of implementing the proposed meaningful use Stage 3 objectives related to the exchange of immunization information from an immunization information system (IIS) to an EHR system

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Feinberg, Emily	Boston Medical Center	R03	\$100K	Reducing disparities in timely autism diagnosis through family navigation	To assess the feasibility and acceptability of a novel application of patient navigation to support families of low-income and minority children, age 15 months to 3 years, who have positive behavioral screens indicating a need for an autism diagnostic assessment
Fieldston, Evan Scott	CHOP	R03	\$100K	Workload, workforce, and quality of care in pediatric hospitals	To examine associations between dynamic aspects of workload, workforce, and quality of care in children's hospitals and seek to address methodological problems of measuring use of hospitals, particularly in a general pediatric care setting
Stablein, Timothy	Dartmouth College	R03	\$100K	Privacy in practice: The role of EHRs in pediatrician interactions with patients	To evaluate the role of health IT to support patient-centered care and discuss the implications of findings for the growing use of EHRs and their potential for facilitating information sharing in health care
<b>Research Training</b>					
Bush, Ruth Ann	Children's Hospital Research Center, San Diego	K99 (PCOR)	\$138K + \$142K	Adapting electronic medical records to measure medical outcomes in ASD populations	To provide the applicant with the advanced training and skills necessary to develop an independent program of research focusing on improving the medical treatment of children with autism spectrum disorders by using CER
Bender, Anna	Washington University-St Louis	R36	\$41K	Rural primary health care providers' response to intimate partner violence and survivors	Employ a convergent parallel research design merging data from two sources: a survey measuring rural health care providers' knowledge, attitudes and practices regarding IPV and conducting qualitative interviews with survivors of IPV regarding their experiences with rural health care providers
McLeod, Lisa M	University of Colorado Denver	K99 (PCOR)	\$149K + \$149k	Organizational interventions for SSI prevention in pediatric spinal	To use quantitative and qualitative methods to explore hospital-specific organizational factors that distinguish high versus low performance in preventing SSI in children

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				surgery	hospitalized with complex medical and surgical conditions
Knox, Caitlin A	University of Florida	R36	\$42K	Pre-existing diabetes and pregnancy	To examine annual trends in use and safety of exposure to three classes of oral anti-diabetes agents in the first trimester, in terms of c-section deliveries, other maternal morbidities, and preterm birth
Pintor, Jessie	University of Minnesota	R36	\$43K	Parental documentation status, State policy, and coverage among Latino children	To isolate the direct effect of parental status over and above the indirect effect of differences in coverage attributable to a child's own status; examine the effects of parental documentation status at the State level; and explore parents' experiences navigating children's coverage and care to identify underlying mechanisms in these relationships
Rust, George S	Morehouse School of Medicine	K18	\$544K over 2 years	Mid-career transition – Mapping paths to success in achieving community-level health equity	To support the investigator's transition from executive leadership to intellectual leadership in the field of health equity research
<b>Conference Grants</b>					
Alessandrini, Evaline	Academy for Healthcare Improvement	R13	\$50K	Doing Research at the Front Line of Improving Healthcare	To engage and educate the workforce necessary to advance quality improvement research
Carroll, Aaron E.	Indiana University	R13	\$46K+ \$46K + \$46K	Annual Symposium for Pediatric Health Services Research	To focus on research development, research training, and infrastructure and career development, with emphasis on a different AHRQ interest area each year (e.g., quality, cost, use, access)
Esteban-Cruviani, Nora	Albert Einstein College of Medicine	R13	\$35K	Emerging Safety and Quality Issues in the Care of Hospitalized	To supplement and enhance the training of junior pediatric hospitalists and allied health professionals by providing educational

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				Children	sessions in the five IOM core proficiency areas, among other goals
Kotelchuck, Milton	Day Before Birth, Inc.	R13	\$44K	Time for ACTION: Comprehensive recommendations for antenatal corticosteroid treatment	To support a conference focused on improving the health and life course of premature infants by stimulating new research, practice, and policy to increase appropriate use of antenatal corticosteroid treatment (ACT) and by developing comprehensive treatment recommendations for the next decade
Mangione-Smith, Rita	Academic Pediatric Association	R13	\$38K	Pediatric Quality Improvement Methods, Research and Evaluation Conference	To support the 3 <sup>rd</sup> annual APA Conference on pediatric quality improvement methods
Smith, Jennifer Susan	University of North Carolina Chapel Hill	R13	\$35K	Issues in Implementation of Adolescent Vaccination in Schools	To achieve a greater understanding of trends and disparities in HPV-associated cancers and adolescent vaccination coverage, as well as issues related to the design and implementation of programs to deliver adolescent vaccinations in schools

\*includes populations other than children.

Legend: ACIP = Advisory Committee on Immunization Practices; ACT = antenatal corticosteroid treatment; AHRQ = Agency for Healthcare Research and Quality; APA = Academic Pediatric Association; ASD = autism spectrum disorder; CER = comparative effectiveness research; CHOP = Children's Hospital of Philadelphia; ED = emergency department; EHR = electronic health record; HIE = health information exchange; ICU = intensive care unit; IIS = immunization information system; IOM = Institute of Medicine; IPV = intimate partner violence; IT = information technology; LHS = learning health system; PCC = primary care clinician; PCOR = patient centered outcomes research; RCCO = regional care collaborative organization; SSI = surgical site infection; TI = tracheal intubation; VAC = ventilator-associated complications