



SOCIETY FOR PEDIATRIC AND PERINATAL EPIDEMIOLOGIC RESEARCH
reproduction | pregnancy | fetal development | child | adolescent health

SOCIETY FOR PEDIATRIC AND PERINATAL EPIDEMIOLOGIC RESEARCH

Portland, OR
June 12-13, 2023

2023 Annual Meeting Program

MONDAY, JUNE 12

12:00 – 3:00 pm

Advanced Methods Workshop

Location: Salon CD

Evaluating impacts of population shocks using an interrupted time series approach.

Allison Gemmill

3:00 – 7:00 pm

Registration

Location: Ballroom Foyer

4:00 – 5:30 pm

Symposium I: Developmental impacts of socioeconomic status on maternal and child health: The role of perceived inequality.

Location: Salon E

Chair: **Julia Bittner**

Contextual perceptions and adverse pregnancy outcomes.

Alexa Freedman

Subjective socioeconomic status and postpartum allostatic load.

Christine Guardino

Heterogeneity in the associations between socioeconomic status and child development and health: How diminished returns reflect structural racism.

Shervin Assari

Subjective socioeconomic status & adolescent development: Implications for wellbeing and immune health

Sarah Rocha

Experimentally manipulated social status on eating behaviors among Hispanic American adolescents: Is psychological resilience protective?

Victoria Guazzeli Williamson

Symposium 2: SGA at a dead end? Time for a paradigm shift
Location: Salon F

Chair: **Allen Wilcox and Olga Basso**

Latent class analysis reveals clinical features of FGR
Jennifer Hutcheon

Consistently small fetuses are the SGA babies at the highest risk.
Kelly Ferguson

SGA – How a lack of causal thinking led to disaster.
Jon Snowden

More evidence for FGR as a rare and dangerous condition.
Olga Basso

5:30 – 6:45 pm **Welcome Reception and Poster Session A**
Location: Exhibit Hall

TUESDAY, JUNE 13

7:00 – 10:00 am Registration
Location: Ballroom Foyer

7:00 – 9:00 am Breakfast

8:00 – 8:10 am ***Welcome:*** Jaime Slaughter-Acey
Location: Salon EF

8:10 – 9:15 am ***Keynote Address: Indigenous Connectedness for Child and Collective Wellbeing***

Jessica Sanigaq Ullrich, MSW, PhD

Assistant Professor, Institute for Research and Education to Advance
Community Health at Washington State University
Tribal Citizen of Nome Eskimo Community

Location: Salon EF

9:15 – 9:30 am Morning Break

9:30 – 11:00 am

Symposium 3: Shifting towards strengths-based approaches for Indigenous family health.

Location: Salon E

Chair: **Danielle Gartner and Lexie Schmidt**

Overview of common shortcomings and challenges in working with data to support Indigenous family health and well-being.

Danielle Gartner (Sault Ste. Marie Tribe of Chippewa Indians)

Application of an Indigenous framework for perinatal mental health: Maternal adverse childhood experiences and perinatal mental health among Indigenous birth givers in North Dakota.

Amy Stiffarm (Aaniiih)

Improving data collection practices through university-tribal partnerships and tribal IRBs.

Tess Abrahamson-Richards (Spokane Tribe)

Stories and reflections from Gichigami: Recentring Indigenous knowledge in early childhood development through land-based practices.

Beedoskah Stonefish (Grand Traverse Band of Ottawa and Chippewa Indians) and **Jessica Saucedo**

Symposium 4: Pinpointing homogenous groups in heterogeneous data: applications of latent trajectory modeling in perinatal & pediatric research.

Location: Salon F

Chairs: **Danielle Stevens and Kelly Ferguson**

Disentangling patterns of change: Use of latent class trajectory models to understand prenatal weight changes and infant growth.

Elizabeth Widen

Variation in the timing and the magnitude of the minipuberty response in healthy, term infant girls.

Helen Chin

Associations of glycemic control trajectories with perinatal complications and childhood growth among offspring born to individuals with gestational diabetes.

Yeyi Zhu

Latent class trajectories of fetal growth and exposure to consumer product chemicals in the LIFECODES Fetal Growth Study.

Paige Bommarito

Maternal Exposure to a Phthalate Mixture and Blood Pressure During and After Pregnancy.

Haotian (Howie) Wu

11:00 – 11:15 am Break

11:15 – 12:15 pm ***Concurrent Contributed Session 1: Examining Perinatal Health Disparities Across Marginalized and Minoritized Populations***

Location: Salon E

Chair: **Collette Ncube**

26954 Sexual orientation-related disparities in fetal and neonatal outcomes.
Payal Chakraborty

27108 Rural residency, pregnancy complications, and acute healthcare utilization in the first 24 months' postpartum.
Katherine Ahrens

28531 Family Cash Transfers in Childhood and Maternal and Perinatal Outcomes later in life on an American Indian Reservation.
Brenda Bustos

28781 Disparities in Severe Maternal Morbidity and Maternal Mortality among Women at the Intersection of Physical Disability and Race or Ethnicity in the United States: Results from Nationally Representative Hospital Data.
Ilhom Akobirsoev

27554 Neighborhood Racial Residential Segregation and Mental Health during Pregnancy.
Sylvia Badon

Concurrent Contributed Session 2: Women's Health: A Focus on Endometriosis, Adenomyosis, and Fibroids

Location: Salon CD

Chair: **Anne Marie Jukic**

27754 Maternal history of fibroids and uterine fibroid development in offspring in a prospective ultrasound study of Black/African American women.
Christine Langton

28679 Disordered Eating Behaviors during Childhood and Adolescence and Risk of Endometriosis: A Prospective Cohort Study.

Sarah Thornburgh

28819 Agreement of preoperative diagnoses of endometriosis and adenomyosis for hysterectomy with the corresponding post-operative pathology report in a diverse U.S. population.

Joacy Gerard Mathias

27827 Menstrual cycle characteristics throughout the reproductive lifespan and cognitive function in middle-aged women.

Diana Soria-Contreras

27222 Investigation of intrauterine exposures and adenomyosis risk using a population-based case-control study employing two control groups

Mandy S. Hall

Concurrent Contributed Session 3: Determinants of neurobehavioral health in childhood and adolescence: evidence across cohorts & methodologies.

Location: Salon F

Chair: Caitlin Howe

28542 Autism and Attention Deficit Hyperactivity Disorder in children born after subfertility and fertility treatment in England: evidence from linked primary care and fertility register records.

Claire Carson

29185 Impact of perinatal opioid exposure on childhood depression in a matched cohort analysis.

Monique Hedderson

28664 Pediatric migraine and risk of young adult depression and anxiety in the Growing Up Today Study.

Holly Crowe

27860 Delayed high school start times impact depression symptoms: heterogeneous effects in a natural experiment

Ekaterina Sadikova

12:15 – 1:15 pm

Lunch on your own

1:15 – 2:15 pm

Poster session B

Location: Exhibit Hall

2:15 – 3:15 pm

Concurrent Contributed Session 4: *Advancing Perinatal Epidemiology: Approaches to Addressing Causality, Confounding, and Bias*

Location: Salon E

Chair: **Stefanie Hinkle**

27809 Association Between Benzodiazepine or Z-Hypnotic Use in Early Pregnancy and the Risk of Stillbirth, Preterm Birth, and Small for Gestational Age

Lin-Chieh Meng

27623 Metformin use in the first trimester and risk of congenital anomalies: emulating a target trial using real-world data.

Yu-Han Chiu

28212 Effect Measure Modification of the Effects of Maternal Smoking Patterns on Postpartum Depression by Antenatal Depression Status: Using a Causal Directed Acyclic Graph Approach.

Jackie Lanning

27493 The Impact of Differential Exposure Misclassification in a Study of Maternal Genitourinary Infections and the Risk of Gastroschisis.

Rashida S Smith-Webb

28316 Tropical cyclones and risk of preterm birth: a distributed-lag non-linear model approach in a time-to-event framework.

Andreas Neophytou

Concurrent Contributed Session 5: Gynecologic Health, Fertility, and Environmental Exposures

Location: Salon CD

Chair: **Kristen Rappazzo**

27194 Exposure to high ambient temperatures across spermatogenesis and semen quality.

Carrie Nobles

27185 Blood lead concentrations and uterine fibroid incidence: A prospective study.

Kristen Upson

27645 Pre- and postnatal dioxin exposure and semen quality in young adulthood

Deborah Kurz

29222 Menstrual bleeding heaviness and PFAS concentrations in endometrial tissue.

Joanna Marroquin

26667 Female orgasm frequency and time to pregnancy in pregnancy planners.

Julia Bond

Concurrent Contributed Session 6: Children's social environments, health care, and wellbeing

Location: Salon F

Chair: **Ruby Nguyen and Izzuddin Aris**

26933 Racial/Ethnic Differences in Correlates of Missed Pediatric Preventive Care due to the COVID-19 Pandemic: Results from the 2021 National Survey of Children's Health

Maya Tabet

27615 Assessing interruption of infant well-child visits and vaccination during the COVID-19 Pandemic – Pregnancy Risk Assessment Monitoring System, 2020

Ayesha Sayyad

26874 Child Opportunity Index at birth and risk for developmental delay up to age 3.

Diane Putnick

26730 Associations of Neighborhood Opportunity and Vulnerability with Incident Asthma Among U.S. Children in the ECHO cohorts.

Izzuddin Aris

26662 Perinatal Correlates of Cardiovascular Health During Early Childhood: The Healthy Start Study

Wei Perng

3:15 – 3:30 pm

Afternoon snack break

3:30 – 5:00 pm

Plenary: Let's End with a Bang!

Location: Salon EF

Recognition of 2023 SPER Award Winners

Presenter: **Penelope Howards**

SPER Mentoring Award

SPER Rising Start Award

SPER Travel Award to Promote Equity, Diversity, and Inclusion

Heinz Berendes Award

Student Prize Paper Award

Plenary scientific presentations

Moderator: **Jaime Slaughter-Acey**

28743 Food poverty in Brazilian children between 6 and 23 months of age: data from the Brazilian Food and Nutrition Surveillance System.

Thais Carrilho

28300 Investigating the potential perinatal health implications of reparations payments to Black American descendants of the enslaved.

Collette Ncube

27525 Personal care product use and perfluoroalkyl substances in pregnant and postpartum women and adolescents: The MIREC and HOME studies.

Amber Hall

5:00 – 6:00 pm

Business Meeting – all are encouraged to attend!

Location: Salon EF