

**SOCIETY FOR PEDIATRIC AND PERINATAL
EPIDEMIOLOGIC RESEARCH**

CHICAGO, IL, JUNE 13-14, 2022

Program

MONDAY, JUNE 13

12:00 – 3:00 pm

Advanced Methods Workshop
Chicago 10

Time-Dependent Exposures and Selective Testing in Pregnancy: SARS-CoV-2, COVID-19, and Pre-Eclampsia

Selection bias due to selective testing for exposures in pregnancy: An example from SARS-CoV-2 and preeclampsia

Chelsea Messinger

Study design and analysis for time-dependent exposures during pregnancy, with application to SARS-CoV-2 infection and COVID-19 vaccination

Louisa Smith

3:00 – 7:00 pm

Registration
Proof of Covid vaccination and negative test required; Covid tests provided for Tuesday
Chicago Promenade East

4:00 – 5:30 pm

Symposium 1 Getting the whole picture: Holistic consideration of environmental, clinical, and social contributions to preterm birth
Chicago 8

Moderators: **Brandie DePaoli Taylor and Sandie Ha**

Integrating social frameworks to promote equity in preterm birth research
Ashley V. Hill

The residential environment and risk of preterm delivery: social and economic factors

Collette N. Ncube

Integrating exposomic and endogenous biomarkers to characterize potential mechanisms of preterm birth

Max Aung

Novel statistical approaches for assessing complex pathways to health outcomes

Carmen D. Tekwe

Symposium 2 The Role of the epigenome in child health: Perspectives from the ECHO (Environmental influences on Child Health Outcomes) consortium

Chicago 9

Moderator: **Carrie Breton**

Epigenetic aging associations with child emotional and behavioral development

Ashley Song

Pregnancy complications and epigenetic age

Zhongzheng (Jason) Niu

Cross Tissue Epigenetic Patterns in Response Air Pollution Exposure in Early Life

Carole Ober

A methodological pipeline to generate an epigenetic marker of prenatal exposure to air pollution indicators

Ya Wang

Development and validation of a novel placental DNA methylation biomarker of maternal smoking during pregnancy

Lyndsey Shorey

Discussant: **Carrie Breton**

5:30 – 6:45 pm

Welcome Reception and Poster Session A

Riverwalk B

TUESDAY, JUNE 14

7:00 – 10:00 am

Registration

Proof of Covid vaccination and negative test required

Chicago Promenade East

7:00 – 9:00 am

Breakfast

Chicago Promenade East

8:00 – 8:10 am

Welcome: Lisa Bodnar

Chicago 8

8:10 – 9:15 am

Keynote Address: Rachel Hardeman, PhD

Chicago 8

“Momma!” An exploration of the intersections of reproductive justice and police violence

“Momma!” George Floyd called out, face pressed against the pavement with the knee of a Minneapolis police officer in his neck. “Momma...I’m through!” Mr. Floyd yelled. George Floyd’s cry for his “Momma” resonates deeply with all of us—we all know what it feels like to need our mom in times of fear and distress. Yet, there is something else haunting and painful in Mr. Floyd’s words—a cry for help so profound it summoned all Black mothers in America, shaking us to our core, evoking images of our beloved Black sons and Black daughters stolen from us too soon. We are in an unprecedented moment and we each have a role to play in transforming this moment into a movement that shows that Black Lives Matter in reproductive health.

9:15 – 9:30 am

Morning Break
Riverwalk B

9:30 – 11:00 am

Symposium 3: But is it safe? Applying epidemiology to evaluate COVID-19 vaccine safety during pregnancy
Chicago 8

Moderators: **Ousseny Zerbo and Annette Regan**

Methodological challenges for conducting observational studies of COVID-19 vaccine safety during pregnancy

Deshayne Fell

Periconceptional exposure to COVID-19 vaccines: the value of preconception cohorts

Lauren Wise

COVID-19 vaccine surveillance safety in early pregnancy: design factors affecting association between vaccine and spontaneous abortion

Gabriela Vazquez Benitez

Registry-based approaches to evaluating COVID-19 vaccine safety during pregnancy

Siri Håberg

Cohort event monitoring: monitoring vaccine safety in low and middle-income countries

Robert Chen

Discussants: **Ousseny Zerbo and Annette Regan**

Symposium 4: Double trouble: Considerations for twins in perinatal epidemiologic studies
Chicago 9

Moderators: **Julie Petersen and Samantha Parker**

Fertility treatments and multiple births in the United States

Elnur Babayev

One baby at a time: How public health initiatives have shaped modern fertility care

David Austin Schirmer III

Health disparities and twin gestations: Epidemiology and clinical challenges

Lynn Yee

Multifetal gestations mediate the effect of in vitro fertilization (IVF) on ischemic placental disease in autologous oocyte IVF more than donor oocyte IVF

Anna Modest

Fetal growth and identification of small-for-gestational-age (SGA) in twins

Katherine Grantz

Discussant: **Jennifer Hutcheon**

11:00 – 11:15 am

Break

11:15 – 12:15 pm

Concurrent Contributed Session 1: Pediatric health and well-being
Chicago 8

Moderator: **Ruby Nguyen and Mrudula Naidu**

Adverse childhood experiences, social support, and fecundability in an internet-based prospective cohort study

Sharonda Lovett

Endotoxin biomarkers are associated with indicators of adiposity and cardiometabolic risk across six years of follow-up in general-risk youth: A prospective study in the EPOCH cohort

Wei Perng

CFTR gene variants, air pollution, and childhood asthma in a California Medicaid population

Ruwan Thilakaratne

Maternal low dose aspirin and self-reported wheezing and asthma in children: Findings from the Effects of Aspirin in Gestation and Reproduction (EAGeR) trial

Joseph Stanford

Motor disorders and health-related quality of life at age five in a European multi-country cohort of children born extremely preterm

Adrien Aubert

Concurrent Contributed Session 2: Environmental and social exposures and reproductive health

Chicago 9

Moderator: **Kristen Rappazzo and Qiping Fan**

Heat, season, and reproductive success

Anne Marie Jukic

Acute tear gas exposure symptoms and adverse male reproductive outcomes

Damilola Owoade

Traffic-related air pollution and pregnancy loss in Eastern Massachusetts, USA

Michael Leung

The ABC of fertility intentions: a mixed-methods study exploring the spectrum of attitudes towards family building

Bola Grace

Urinary cadmium and endometriosis risk among U.S. women: results from NHANES 1999-2006

Mandy S. Hall

Concurrent Contributed Session 3: Methodological and study design considerations in reproductive and perinatal epidemiology

Chicago 10

Moderator: **Wendy Nembhard and Yasamean Zamani-Hank**

Utility of sibling designs for confounding control when exposure affects fertility

Mollie Wood

Emulating a sequence of target trials to avoid immortal time bias in pregnancy studies – an application to antibiotic initiation and preterm delivery

Ellen Caniglia

International versus national growth charts for identifying small and large-for-gestational age newborns: a population-based study in 15 European countries

Alice Hocquette

The public health exposome and pregnancy-related mortality in the United States: a high-dimensional computational analysis
Emily Harville

12:15 – 1:15 pm Lunch on your own

1:15 – 2:15 pm **Poster session B**
Riverwalk B

2:15 – 3:15 pm ***Concurrent Contributed Session 4:*** Inequities in perinatal and postnatal health
Chicago 8

Moderator: **Jihong Liu and Ukah Ugochinyere**

Risk of small for gestational age deliveries among African-born Black women residing in California, 2011-2017.

Safyer McKenzie-Sampson

Residential mobility and preterm birth among non-Hispanic Black birthing persons.

Samantha Gailey

Racial Discrimination, Neighborhood Segregation, and Maternal Hypertension among Black Women

Brittney Butler

Postpartum Hospital Re-admissions among Massachusetts Women Who Are Deaf or Hard of Hearing: A Retrospective Cohort Study

Kim McKee

Concurrent Contributed Session 5: Reproductive history and long-term health outcomes
Chicago 9

Moderator: **Helen Chin and Diana Soria**

Risk of cardiovascular disease in women and men with subfertility: the Trøndelag Health Study

Karoline Skåra

Pregnancy complications in last pregnancy and mothers' long-term mortality risk: do relations differ from that of first pregnancy? A population-based study

Abdu Kedir Seid

Anti-Mullerian Hormone and long-term body composition among women in Project Viva

Ellen Francis

History of pregnancy loss and risk of incident cardiovascular disease within 5 years: Findings from the Women's Health Initiative

Catherine Wright

Concurrent Contributed Session 6: Child development

Chicago 10

Moderator: **Christina Codero and Samrawit Yisahak**

Pre-pregnancy maternal cardiovascular diseases and risk of offspring's neurodevelopmental disorders: a population-based cohort study

M Zakir Hossin

Associations of toddler mechanical and mealtime distress feeding problems with psychopathology symptoms five years later

Diane Putnick

Chorioamnionitis and risk of long-term neurodevelopmental disorders in offspring; a population-based cohort study in Sweden.

Eleni Tsamantioti

Early-life temperament and childhood mental health during COVID-19: Findings from a longitudinal birth cohort in Mexico City

Laura McGuinn

3:15 – 3:30 pm

Afternoon snack break

Riverwalk B

3:30 – 5:00 pm

Plenary: Let's End with a Bang!

Chicago 8

Recognition of 2022 SPER Award Winners

Jaime Slaughter-Acey

SPER Mentoring Award: Shawnita Sealy-Jefferson

SPER Rising Start Award: Izzuddin Aris

Student Prize Paper Award:

Causal effects of maternal coffee consumption on perinatal health: a systematic Mendelian randomization study based on four European cohorts

Peiyuan Huang

Heinz Berendes Award:

Risk of severe postpartum hemorrhage according to the sum of birthweights in twin pregnancies

Lola Loussert

SPER Travel Award to Promote Equity, Diversity and Inclusion:

Estifanos Baye and Safyer McKenzie-Sampson

Plenary scientific presentations

Moderator: **Sonia Grandi and Luther-King Fasehun**

Patterned outcomes, unpatterned counterfactuals, and spurious results: perinatal health outcomes following COVID-19

Tim Bruckner

Racial/Ethnic Disparities in Severe Maternal Morbidity: An Intersectional Life-course Approach

Mahasin Mujahid

Reported Periconceptional Use of Analgesics and Limb Deficiencies in Offspring: Addressing Potential Recall Bias

Nedghie Adrien

5:00 – 6:00 pm

Business Meeting – all are encouraged to attend!

Chicago 8

Poster Session A

P2 - An Exploratory Study of Machine Learning-Based Placental Clusters in Relation to Growth and Adverse Neonatal Outcomes

Julie Petersen

P23 - Preterm delivery timing and circumstance and their association with false positive newborn hearing screening results

Nicole Talge

P27 - Bidirectional associations between gut microbiome and 24-hour total sleep time in a racially diverse cohort of US infants

Tiange Liu

P30 - Risk factors for cerebral palsy and movement difficulties among children without cerebral palsy at five years of age in a European extremely preterm birth cohort

Adrien Aubert

P32 - Prenatal Omega-6 Polyunsaturated Fatty Acids And Asthma in Middle Childhood: Effect Modification by Mode of Delivery

Marshae Nickelberry

P33 - Extrauterine growth restriction at discharge from the neonatal unit and neurodevelopment at 5 years of age in a European extremely preterm cohort

Jennifer Zeitlin

P35 - Early-life Developmental Milestones and Childhood Neurodevelopment in The Adolescent Brain Cognitive Development (ABCD) study

Haoran Zhuo

P39 - Breastfeeding initiation and duration: The impact of prenatal alcohol exposure and gestational outcomes

Hawa Mariko

P40 - Impact of Ear Infection History and Hearing Impairment on Children's Academic Achievement in Primary School: The U.S. Early Childhood Longitudinal Study-Kindergarten Class of 2010-11 (ECLS-K:2011)

Howard Hoffman

P41 - Do study features contribute to heterogeneity in results of meta-analyses on cognitive outcomes in children born very preterm?

Jennifer Zeitlin

P50 - Pandemic worries and stressors in relation to tobacco product use among postpartum women during the COVID-19 pandemic

Xuanxuan Zhu

P54 - Maternal psychosocial stress and perinatal outcomes during versus prior to the COVID-19 pandemic

Sarah Comstock

P55 - Interaction of COVID-19 infection during pregnancy and mother pre-pregnancy obesity status in relation to infant low birth weight

Deepika Shrestha

P58 - Postpartum contraceptive provision among rural and urban women before and after the start of the COVID-19 pandemic

Catherine Gelsinger

P59 - Approaches to Mitigating Sexual and Reproductive Health Risks Associated with Intimate Partner Violence Among Adolescents during the COVID-19 Pandemic

Jessica LaHote

P61 - Temporal trends and determinants of COVID-19 vaccination during pregnancy in Ontario, Canada

Deshayne Fell

P71 - The Relationship Between Disability Status and Homelessness in U.S. Public Schools in 2019-2020

Emily Bock

P82 - Associations of a Metal Mixture with Iron Status in U.S. Adolescents: Evidence from the National Health and Nutrition Examination Survey

Samantha Schildroth

P83 - Remotely sensed measures of Hurricane Michael damage and adverse birth outcomes in the Florida panhandle

Ke Pan

P84 - Preterm birth following the 1995 Chicago Heat Wave: an integrated synthetic control and time series approach

Tim Bruckner

P92 - Interpregnancy intervals of Black native-born and foreign-born women in the US: A cross-sectional study

Comfort Olorunsaiye

P95 - A Prospective Cohort Study of Thyroid Disorders and Fecundability

Holly Crowe

P101 - A prospective cohort study evaluating periconceptional exposure to seasonal inactivated influenza vaccines and risk of miscarriage

Annette Regan

P102 - The Causes of Infant Deaths in Dhi Qar, Iraq in 2019

Hashim Talib Hashim

P103 - Failure of heuristic diagnosis: Gestational diabetes is not a disease

Sid John

P104 - Antenatal corticosteroids for preventing respiratory morbidity and mortality in twins: a regression discontinuity study

Peter Socha

P120 - Prenatal and childhood lead exposure associations with epigenetic age in adolescence

Olivia Halabicky

P124 - Maternal pre-pregnancy obesity and gestational diabetes are associated with epigenetic gestational aging in the placenta

Katelyn Huff

P132 - Impact evaluation of healthcare and community worker trainings on maternal health in Tanzania

Erin Hetherington

P143 - Tear Gas Exposure During the 2020 and 2021 Protests and Female Reproductive Health

Emily Reece

P144 - Sleep health in adulthood and incidence of uterine leiomyomata in the Study of Environment, Lifestyle and Fibroids

Chad M. Coleman

P150 - Acculturation proxies and progression to type 2 diabetes after gestational diabetes in a multiethnic population-based retrospective cohort

Teresa Janevic

P152 - Black-White disparity in severe cardiovascular maternal morbidity: a systematic review and meta-analysis

Ugochinyere Vivian Ukah

P161 - Geographic Proximity to Care is Not Associated with Pediatric Sepsis Outcomes

Morgan Swanson

P172 - Violence in childhood and self-reported symptoms of psychological distress among adolescents and young adults: Evidence from the Côte d'Ivoire 2018 Violence Against Children and Youth Survey (VACS)

Otobo Ujah

P176 - Characterization of maternal psychosocial stress during pregnancy: The Health Start Study

Satvinder K Dhaliwal

P177 - A systematic review and meta-analysis of chemical exposures and attention-deficit/hyperactivity disorder

Lina Dimitrov

P201 - Seeing the invisible: A novel study design in reproductive epidemiology

Marc Weisskopf

P210 - Placental cell type DNA methylation reference panel for epidemiological studies

Kyle Campbell

P223 - Maternal weight trajectories and eating behaviors in the Study of Latinos Family Lifestyles Outcome Research (SOL-FLOR)

Christina Cordero

P225 - The association between maternal diet quality and pregnancy and subacute postpartum outcomes among Latinas

Megan Harvey

P226 - Obesity in Children with Amblyopia

Carolyn Drews-Botsch

P227 - Dietary Quality Indices in Early Pregnancy and Gestational Weight Gain Rate among a Prospective Multi-Racial/Ethnic Cohort

Emily Liu

P228 - The association between measures of acculturation and established diet quality indices in Hispanic women

Sofija Zagarins

P242 - A prediction model of postpartum hospital use incorporating social determinants of health

Teresa Janevic

P246 - Fibroids, neonatal anthropometry, and preterm birth in singleton pregnancies: NICHD Fetal Growth Studies

Susanna Mitro

P247 - Prenatal Exposure to Ambient Particle Radioactivity and Fetal Growth in Eastern Massachusetts

Veronica A. Wang

P248 - Rural-urban residence and sequelae of hypertensive disorders of pregnancy in the first year postpartum, 2013 - 2019

Mariah Pfeiffer

P249 - Adverse Childhood Experiences, Domestic Violence and racial disparities in early prenatal care in North Dakota (ND PRAMS 2017-2019)

Andrew Williams

P251 - Postpartum Emergency Care Visits among North Carolina Medicaid Recipients

Clara Busse

P254 - Maternal Prenatal Diurnal Cortisol Patterns Associated with Impaired Glucose Tolerance in Pregnancy

Hannah Murphy

P255 - Pregnancy-associated and pregnancy-related mortality in the United States military, 2003–2014

Celeste Romano

P256 - Associations of maternal paraben levels with gestational weight gain through late pregnancy

Diana Pacyga

P257 - Combined effects of pregnancy interval and pregnancy complications on long term mortality of Norwegian mothers

Sage Wyatt

P258 - Outcome-based cesarean delivery rate targets by Robson group: population-based analysis of deliveries from Canada and Sweden

Giulia Muraca

P270 - Maternal exposure to occupational noise during pregnancy: prevalence and selected pregnancy outcomes, National Birth Defects Prevention Study, 1997-2011

Kristen Van Buren

P281 - DNA methylation age at birth and childhood: Performance of epigenetic clocks and predictors of epigenetic age acceleration in the Project Viva cohort

Anne K. Bozack

P290 - Validity of administrative chorioamnionitis diagnoses at two U.S. Naval Hospitals, 2013-2018

Clinton Hall

P320 - Federal legislation to reduce racial/ethnic inequities in access to worker policies that promote maternal and child health

Candice Johnson

P330 - A prospective study of migraine and spontaneous abortion, stillbirth, and ectopic pregnancy

Alexandra Purdue-Smithe

P331 - The association between fetal sex and preeclampsia in a diverse cohort of nulliparous women

Brandie DePaoli Taylor

P333 - Hypothetical interventions on anemia to reduce HIV disparities in adverse birth outcomes

Ellen Caniglia

P335 - Prenatal weight change trajectories among twin gestations

Amy Nichols

P336 - Maternal body mass index and unexpected complications among low-risk, term newborns

Kimberly Glazer

P337 - Birthweight in second singleton babies following a first twin versus singleton pregnancy

Prativa Basnet

P347 - Racial and socioeconomic disparities in the association between adverse childhood experiences and preterm delivery

Yasamean Zamani-Hank

P348 - Does Length of Stay Influence Association between Foreign-born Status and Gestational Diabetes?

Akaninyene Noah

P349 - Latent class analysis to identify social and clinical risk clusters for preeclampsia subtypes by race/ethnicity

Camillia Comeaux

P350 - How well do neonatal growth charts predict adverse neonatal outcomes?

K.S. Joseph

P352 - Physical Activity during Pregnancy and Markers of Placenta Vasculature

Amber Kautz

P353 - Can birth hospital explain racial/ethnic differences in cesarean birth rates? An analysis of California data, 2007-2018

Shalmali Bane

P354 - Variability in risk factors and outcomes related to maternal and infant health among Asian, Native Hawaiian, and Pacific Islander Individuals giving birth in California

Shalmali Bane

P355 - Investigating the impact of patient-centered medical homes on racial disparities in severe maternal morbidities using Medical Expenditure Panel Survey Data

Curisa Tucker

P358 - Relation Between Poor Maternal Cardiovascular Health Scores During Pregnancy and Adverse Pregnancy Outcomes

Andrea Kozai

P360 - A mediation analysis of maternal smoking and infant birth weight on the US-Mexico border

Chino Ogbutor

P361 - Risk of severe postpartum hemorrhage according to the sum of birthweights in twin pregnancies

Lola Loussert

P370 - Impact of access to rideshare on satisfaction, healthcare utilization, and preterm delivery among pregnant women with Medicaid coverage: a randomized controlled trial

Courtney Lynch

P371 - Food insecurity during pregnancy: data from the National Children's Study

Rachel M. Smith

P374 - Eviction as a social determinant of pregnancy health: County-level eviction rates and adverse birth outcomes in the U.S.

Emily Harville

P375 - Assessing the Impact of Neighborhood Deprivation on Birth Defects among North Carolina singleton live births from 2011-2015

Kristen Cowan

P380 - Neighborhood fatal police violence and severe maternal morbidity in California

Elleni Hailu

P391 - Maternal preconception and pregnancy tobacco and cannabis use in relation to placental developmental markers: a population-based study

Kim N. Cajachagua-Torres

P394 - Effect of perceived neighborhood environment on cannabis use during pregnancy among African American women

Ban Al-Sahab

P395 - Polysubstance use during pregnancy – 25 U.S. states and jurisdictions, 2019

Janae Dunkley

P396 - Associations between substance use and frequency of menopausal symptoms among US women with or at risk for HIV

Brooke Bullington

P399 - Associations of maternal cigarette and electronic cigarette use around the time of pregnancy with risk of diabetes

XIAOZHONG WEN

P410 - Exposure to Domestic Violence and racial disparities in breastfeeding in North Dakota (ND PRAMS 2017-2019)

Andrew Williams

P421 - Characterizing the Risk of Type 2 Diabetes Mellitus by Gestational Diabetes: The APPLE NYC Cohort

Katharine McCarthy

P422 - The Association between Delivery Type and Breastfeeding Initiation: A State-Specific Analysis Utilizing the Pregnancy Risk Assessment Monitoring System, 2016-2021

Evelyn Jones

P425 - Association between pregnancy complications in the older sister and later cardiovascular death in the younger sister with uncomplicated pregnancies

Aditi Singh

P427 - The Affordable Care Act dependent coverage provision and unintended pregnancy

Colleen MacCallum-Bridges

P428 - Impact of Medicaid Expansion on Contraception Use Among Low-income Women of Reproductive Age

Nazeeba Siddika

P431 - Maternal birthplace and risk of Postpartum Haemorrhage. A Norwegian population-based cohort study

Katrine M Owe

P432 - Offspring birthweight in consecutive pregnancies and long-term maternal mortality, following spontaneous and iatrogenic term deliveries: A population-based study

Yeneabebe Tilahun Sima

Poster Session B

P1 - Predictors of Unplanned Extubations Requiring Reintubation in Pediatric Critical Care

Krista Wollny

P10 - Maternal caffeine consumption and risk of birth defects in the National Birth Defects Prevention Study, 1997-2011

Eva Williford

P21 - Prenatal psychosocial stress is associated with lower infant gut microbiome alpha diversity in Cebu, Philippines

Elijah Watson

P22 - Effect of exposure to maternal diabetes during pregnancy on offspring's brain cortical thickness and neurocognitive functioning

Shyfuiddin Ahmed

P24 - Red blood cell folate modifies the association between serum per- and polyfluoroalkyl substances and antibody levels in U.S. adolescents

Yu Zhang

P28 - The Language and Communication Development and School Readiness of U.S. Preschool-Aged Children Raised by Grandparent Caregivers Compared to Parents

Sarah Keim

P29 - Association of maternal autoimmune disease and offspring autism spectrum disorder and potential interaction with infection in early childhood: a population-based cohort study

Timothy Nielsen

P31 - Twins and singletons- who is healthier?

Tamar Wainsotck

P34 - Trends in adult survival, reproductive and educational outcomes for Norwegians born preterm from 1967 – 1991

Sage Wyatt

P36 - Unique and Joint Effects of Maternal Exposure to Phthalates and Experiences of Racism on Infant Behavior

Amanda Wylie

P38 - Prenatal exposure to toxicants and child language development in the Norwegian Mother, Father and Child Cohort Study (MoBa)

Amanda Ramos

P51 - Symptomatic and asymptomatic COVID-19-infected pregnant women: pregnancy and perinatal outcomes

Zohra Lassi

P52 - Immune response to SARS-CoV-2 in pregnant and non-pregnant women following infection

Marni Jacobs

P53 - Association between SARS-CoV-2 Infection during Pregnancy and Postpartum Depression and Anxiety: Finding from the International Registry of Coronavirus Exposure in Pregnancy (IRCEP) Study

Sonia Kim

P56 - Isolation and mental health among pregnant women during the coronavirus pandemic

Emily Harville

P57 - Exposure to the early COVID-19 pandemic and early, late, and overall preterm births in the US: a conception cohort approach

Claire Margerison

P60 - Determinants of COVID-19 vaccine initiation during the postpartum period in Ontario, Canada

Deshayne Fell

P62 - Birth Outcomes Among North Dakota Women Who Tested Positive for COVID-19 During Pregnancy

Grace Njau

P63 - Prevalence of antibodies against SARS-CoV-2 among children and staff in Belgian schools between December 2020 and December 2021: a representative prospective cohort study

Joanna Merckx

P81 - Traffic-related air pollution and fetal growth in Eastern Massachusetts, USA

Michael Leung

P85 - Mid-pregnancy phthalate metabolites and phenols in relation to infant size and body composition: the Healthy Start study

Danielle Stevens

P86 - Maternal per- and poly-fluoroalkyl substances exposures associated with higher depression scores among immigrant women in the Chemicals in Our Bodies cohort

Max Aung

P93 - Maternal risk of cardiovascular disease after use of assisted reproductive technologies: a Nordic registry linkage

Maria C. Magnus

P94 - Factors related to participation in surveys of sexual health in a preconception cohort study

Julia Bond

P105 - Time of delivery among low-risk women at 37-42 weeks of gestation and risks of stillbirth and infant mortality, and long-term neurological morbidity

Neda Razaz

P106 - Preconception pain medication use and spontaneous abortion: a prospective cohort study

Holly Crowe

P107 - Estimates of stillbirths, preterm birth, small-for-gestational age, low birth weight and neonatal mortality in Ethiopia

Frederick Goddard

P108 - Ambient air pollution and risk of spontaneous abortion among couples trying to conceive

Ellen Margrethe Mikkelsen

P121 - Examination of newborn DNA methylation among women with and without self-reported polycystic ovary syndrome and hirsutism

Kristen Polinski

P122 - Epigenetic gestational age and the relationship with developmental milestones in early childhood: Upstate KIDS cohort

Kristen Polinski

P130 - Global prevalence of preterm birth among Pacific Islanders: a systematic review and meta-analysis

Bohao Wu

P131 - Socioecological Predictors of Breastfeeding Practices in Rural Eastern Ethiopia

Marina Magalhães

P141 - Breastfeeding history and adenomyosis risk using data from a population-based case-control study employing two control groups

Mandy S. Hall

P142 - A population-based cohort study of risk after pregnancy complications in a woman's last birth

Nadia Arshad

P151 - A Descriptive Analysis of Optimal Birth Outcomes in the US 2018-2019

Lauren Dyer

P160 - Emergency Department Pediatric Readiness Does Not Improve Pediatric Sepsis Outcomes

Morgan Swanson

P171 - Residential segregation and prenatal depression in non-Hispanic Black and Hispanic mothers in North Carolina, 2005-2009

Sarah Haight

P174 - Early age at sexual debut, risky sex behaviors and depressive symptomatology among young adults in the United States

Andrew Williams

P175 - Prevalence of Mental Disorder Co-Occurrence and Outcomes Associated with Multiple Disorder Co-occurrence in the Project to Learn about Youth Mental Health (PLAY-MH)

Lina Dimitrov

P221 - Impact of pre-pregnancy body mass index on adverse pregnancy outcomes: Analysis from the Longitudinal Indian Family hEalth (LIFE) cohort study

Fouzia Farooq

P222 - Prospective associations of sleep with diet, adiposity, and growth among toddlers born preterm

Samrawit Yisahak

P224 - Associations Between Dietary Carbohydrate Intake During Pregnancy and Placental Glucose Transporter Expression

Amber Kautz

P229 - Findings from Hispanic Community Health Study/Study of Latinos (HCHS/SOL) on prospective influence of maternal psychosocial stressors and BMI on birth outcomes

Lindsay Fernandez

P240 - Obstetric anal sphincter injury by maternal origin and length of residence: a nationwide cohort study

Ingvil Krarup Sørbye

P241 - Mode of delivery and maternal sexual wellbeing: a longitudinal investigation of the UK ALSPAC cohort

Florence Martin

P243 - Frequency and correlates of short interpregnancy interval: analysis of PRAMS data from 44 sites in 2009-2018

Amanda Luff

P244 - Ovulation Tracking to Elucidate Length of Gestation and First-Trimester Growth

Ginna Doss

P245 - Prognosis for Adverse Neonatal Outcomes among Small- and Large-for-Gestational age infants: Should We Look at Maternal Stature?

Lauren Yearwood

P250 - What factors modify the association between pre-pregnancy obesity and adverse perinatal outcomes?

Jeffrey Bone

P252 - Pre-pregnancy Body Mass Index and Childhood Asthma Risk

Natalie Rosenquist

P253 - Relative income and pregnancy outcomes after embryo transfer: real-world evidence from the National Health Insurance data

Tammy Kim

P259 - Maternal cigarette and electronic cigarette use around the time of pregnancy associated with the risk of hypertension

XIAOZHONG WEN

P260 - Explaining Black-White differences in CS rates among low-risk pregnancies: Applying the Kitagawa decomposition technique with the Robson classification system

Trang Pham

P280 - Maternal Microbial Metabolites and Risk of Fetal Growth Extremes: A Longitudinal Multi-racial/ethnic Cohort Study

Rana Chehab

P300 - Relationship with the father of the baby and depressive symptoms among pregnant Black women Rosemary Adaji, Carmen Giurgescu, and Dawn Misra

Rosemary Adaji

P332 - Maternal hair cortisol concentration is associated with insulin resistance in mid-pregnancy

Diana Juvinao-Quintero

P334 - Preconception dietary glycemic index and risk of large-for-gestational age births

Anne Marie Darling

P339 - EPoCH: a web-app to explore potentially causal effects of parental prenatal health behaviours on child health

Kayleigh Easey

P340 - Associations between weekly gestational exposure of nitrogen dioxide and preterm birth in a North Carolina birth cohort, 2003-2015

Alison K. Krajewski

P342 - Causal effects of maternal coffee consumption on perinatal health: a systematic Mendelian randomization study based on four European cohorts

Peiyuan Huang

P343 - Plasma Persistent Organic Pollutants in Early Pregnancy and Fetal Growth among Pregnant Women with Obesity

Sifang Kathy Zhao

P344 - Preconception vitamin D and miscarriage in a prospective cohort study

Anita Subramanian

P345 - Associations of hypertensive disorders of pregnancy and gestational diabetes mellitus with menopausal symptoms at midlife in Project Viva

Diana Soria

P346 - Application of fetal growth standards in the Nulliparous Pregnancy Outcomes Study (nuMoM2b) cohort

Jessica Gleason

P351 - Prevalence and risk factors of vulnerable newborn phenotypes in rural Amhara, North West Ethiopia

Estifanos Baye

P356 - Neighborhood Evictions and Preterm Birth among Black Individuals

Chantel Martin

P359 - Associations between gestational weight gain adequacy and cesarean delivery in twin pregnancies: a secondary analysis of the JUMODA national cohort

Melissa Amyx

P372 - High Health Care Financial Burden Is Associated with Postpartum Care Seeking among Commercially Funded Hospital Births, Oregon 2012-2017

Menolly Kaufman

P376 - The hospital burden of intergenerational contact with the welfare system

Alexandra Procter

P377 - Prenatal neighborhood stress and maternal sex steroid hormone levels across pregnancy

Megan Hansel

P378 - Subjective and objective financial deprivation in adolescence and lifetime experience of gestational diabetes

Julia Porth

P379 - Prenatal Alcohol and Tobacco Exposure as a Mediator between Socioeconomic Status and Adverse Childhood Experiences

Alec Yingjing Xia

P390 - Assessing Prenatal Alcohol Exposure History Among Pediatric Patients: Practices Among U.S. Primary Care Providers

Janae Dunkley

P392 - Preconception cannabis use and gestational diabetes mellitus (GDM): the PrePARED

Emily Harville

P393 - Preconception cannabis use, gestational hypertension, and pre-eclampsia: the PrePARED consortium

Emily Harville

P397 - Opioid Use During Pregnancy and Risk of Postpartum Hospital Admission in Florida

Amanda L. Elmore

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