

Special Topic Meeting:

## DEVSEC18

Conference on the Use of Secondary and Open Source Data in Developmental Science

# Program Guide

October 4 - 6, 2018

Doubletree by Hilton Hotel Phoenix Tempe
Phoenix, Arizona
#DEVSEC18

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### Welcome

Dear Attendees,

Welcome to DEVSEC! We are delighted that you will be joining us for what promises to be an outstanding special topic meeting in Phoenix. Every day, every moment, and in every environment we are collecting data on how individuals develop across the lifespan. There is a wealth of data for understanding development but only a small number of developmental scientists have taken advantage of these data to study human development from cells to the environment. Our goal in organizing this meeting was not only to create a venue for scientists to learn and share research using these resources, but also to provide training opportunities on using data archives and open source data that are well-suited for addressing questions of developmental scientists across multiple methods of data collection (survey, video, audio, neuroimaging, genomics, evaluation, administrative), disciplines (psychology, sociology, economics, demography, pediatrics, public health, anthropology, education), and cultures.

To accomplish this goal, we have an outstanding lineup of keynote and symposium speakers. We also are introducing novel presentation formats, including "Methods Morning" on Thursday with a Data Set Blitz and analysis workshops, and an Interactive Poster Session Friday night. Through these sessions, this meeting will highlight research using secondary sources of data and provide a unique opportunity for attendees to address their own developmental questions by being connected to a data resource for answering that question. Please browse the program and create an itinerary to maximize your learning opportunities at the meeting.

Thank you for contributing to this program and conversation. We are excited to learn and connect with you in Phoenix!

### Program Chairs:









Pamela Davis-Kean, University of Michigan Justin Jager, Arizona State University Adriene Beltz, University of Michigan Colter Mitchell, University of Michigan

### General Information

## REGISTRATION HOURS CONFERENCE CENTER LOBBY

Wednesday: 4:00pm - 7:00pm Thursday: 7:30am - 4:30pm Friday: 8:00am - 4:30pm Saturday: 8:00am - 3:00pm

### **LUNCH HOUR EVENT**

NIH Funding Opportunities and Clinical Trials Friday, October 5, 12:30 to 1:00pm, Redrock Room

This lunch hour session is open to all attendees. Rebecca L. Clark, from NICHD, will discuss funding opportunities with the Population and Dynamics Branch as well as clinical trials at NIH. Grab a bagged lunch in the Conference Center Lobby and join others for this informative lunch session.

### RECEPTIONS

Welcome Reception
Thursday
Conference Center Lobby
4:30pm - 6:00pm

Interactive Poster Session & Reception Friday Fiesta II/III, Conference Center 4:45pm - 6:15pm

Sponsored by:



### Thursday, October 4, 2018

### Thursday, 8:00am-9:00am

Convention Center Lobby (Doubletree Hilton) Thursday, 8:00am-9:00am

Thursday Morning Breakfast

Join colleagues and other attendees for breakfast in the Convention Center Lobby.

#### Thursday, 8:30am-8:50am

Convention Center Lobby (Doubletree Hilton) Thursday, 8:30am-8:50am

Welcome to DEVSEC18!

Speakers: Pamela Davis-Kean, Justin Jager, Adriene

Beltz, Colter Mitchell

The program organizers look forward to welcoming you during breakfast in the Conference Center Lobby with opening comments beginning at 8:30am. Be sure to attend as they set the stage for the next 3 days!

### Thursday, 9:00am-10:30am

(Event 1-001) Special Event Room: Coronado (Doubletree Hilton)

Thursday, 9:00am-10:30am

1-01. Data Set Blitz Moderator: *Adriene Beltz* 

- Fragile Families and Child Wellbeing Colter Mitchell
- Large collaborations in experimental psychology -ManyBabies and the Psychological Science Accelerator Melissa Kline, Melanie Soderstrom, Christopher R Chartier
- Making use of largescale naturalistic audio recording: An introductory tutorial on HomeBank and the DARCLE Annotation Scheme Melanie Soderstrom
- Sharing Nicely with Others: Moving Developmental Scientists Toward Open Data Sharing Joy L Kennedy, Rick O. Gilmore, Karen A. Adolph
- Studying Child Care and Early Education: Data for Secondary Analysis
   Susan Jekielek
- Supporting Your Data Re-Use: The National Addiction and HIV Data Archive Program Amy Pienta, Kaye Marz

- The Child Development Supplement and Transition into Adulthood Supplement to the Panel Study of Income Dynamics Paula Fomby
- The EAMMi2: Accessing Secondary Data for Research and Teaching Emerging Adulthood Caitlin Faas, Jon Grahe

(Event 1-002) Workshop

Room: Redrock (Doubletree Hilton) Thursday, 9:00am-10:30am

1-002. Developing Pre-Registration Plans for

Secondary Data Analysis

Leaders: Moin Syed, M. Brent Donnellan

(Event 1-003) Workshop

Room: Tempe (Doubletree Hilton) Thursday, 9:00am-10:30am

1-003. The National Data Archive on Child Abuse and Neglect (NDACAN): a Resource for Secondary Analysis

of Child Welfare Data

Leaders: John Eckenrode, Michael Dineen

#### Thursday, 10:30am-10:45am

Convention Center Lobby (Doubletree Hilton)

Thursday, 10:30am-10:45am

Thursday Morning Coffee Break

Come enjoy a break in the Convention Center Lobby.

### Thursday, 10:45am-12:15pm

(Event 1-004) Workshop

Room: Coronado (Doubletree Hilton)

Thursday, 10:45am-12:15pm

1-004. Best Practices in Conceptualizing and Measuring Social Class with Secondary Data Sources Leaders: *Matthew A Diemer, Rashmita S Mistry* 

### Thursday, October 4, 2018

(Event 1-005) Paper Symposium Room: Redrock (Doubletree Hilton) Thursday, 10:45am-12:15pm

1-005. Data Integration Chair: *Justin Jager* 

- A Bayesian Synthesis Approach to Data Fusion for Open Source Longitudinal Data Katerina M. Marcoulides
- A Novel Synthetic Cohort Approach for the Study of the Developmental Origins of Cardiovascular Disease Rachel Flynn, Norrina B Allen, Hongyan Ning, Amy Krefman, Lauren Wakschlag, Lihui Zhao, Donald Lloyd-Jones, Juned Siddique
- Combining Data Sets through Integrative Data Analysis: A Practical Discussion of the What, Why, and How Sara K Johnson, Michelle B Weiner

(Event 1-006) Workshop Room: Tempe (Doubletree Hilton) Thursday, 10:45am-12:15pm

1-006. An Introduction to Time-Varying Effect Models to Study Development in Secondary Data Leaders: *Sara A. Vasilenko, Cara E. Rice* 

#### Thursday, 12:15pm-1:00pm

Convention Center Lobby (Doubletree Hilton) Thursday, 12:15pm-1:00pm

Thursday Lunch

Lunch is available in the Conference Center Lobby.

#### Thursday, 1:00pm-2:30pm

(Event 1-007) Keynote Address Room: Fiesta I (Doubletree Hilton) Thursday, 1:00pm-2:30pm

1-007. Promoting Openness and Reproducibility in Developmental Research

Chair: *Pamela Davis-Kean* Speaker: *Brian Nosek* 

Integrative Statement: Shifting the scholarly culture toward open data and open workflow is partly an incentives problem, partly an infrastructure problem, and partly a coordination problem. The Center for Open Science (COS; http://cos.io/) is a non-profit technology and culture change organization working to solve this. The central components of COS's strategy are providing free, open, public goods infrastructure

that scholarly communities brand and operate based on their local norms (OSF; http://osf.io/), and coordinating across disciplinary and stakeholder silos to align scholarly practices with scholarly values. Greater openness of data, materials, and process will accelerate discovery and improve trust and credibility in the outputs of research.

#### Thursday, 2:30pm-3:00pm

Convention Center Lobby (Doubletree Hilton) Thursday, 2:30pm-3:00pm

Thursday Afternoon Refreshment Break

Enjoy a break in the Convention Center Lobby.

### Thursday, 3:00pm-4:30pm

(Event 1-008) Invited Symposium Room: Coronado (Doubletree Hilton) Thursday, 3:00pm-4:30pm

1-008. Using Administrative Data to Examine Development Chair: *Justin Jager* 

- Using Secondary and Administrative Data to Answer Developmental and Policy Questions Elizabeth Gershoff
- Using statewide administrative records to examine the timing of SNAP Benefit receipt and children's academic achievement
   Anna Gassman-Pines, Laura Bellows
- Psychopathology and Opioid Analgesic Therapy among Adolescents and Young Adults: A Swedish Population Register-Based Study Patrick Quinn, Martin Rickert, Johan Franck, Paul Lichtenstein, Henrik Larsson, Brian D'Onofrio

Integrative Statement: This international, interdisciplinary symposium features three presentations that employ administrative data to evaluate and inform public policy as well as illuminate health and well-being at different points of the lifespan. The symposium will begin with a presentation by the symposium's invited speaker, Elizabeth Gershoff, who will discuss and highlight the use of secondary and administrative data to address policy-relevant developmental questions. The symposium will then proceed with two additional presentations that cleverly and aptly utilize administrative data to either evaluate or inform public policy. Specifically, the symposium's second presentation uses statewide administrative records from North Carolina to assess the impact of SNAP (formerly known as food stamps) receipt as well as the timing of SNAP receipt on adolescent school test scores. The symposium's third presentation uses merged Swedish nation-wide population registers to determine the

### Thursday, October 4, 2018

predictors of opioid-prescription receipt among adolescents and young adults. The merits, opportunities, and challenges associated with the use of administrative data will be discussed and highlighted.

(Event 1-009) Paper Symposium Room: Redrock (Doubletree Hilton) Thursday, 3:00pm-4:30pm

1-009. Advanced Analytics for Large, Secondary, and

Open Source Data Chair: *Adriene Beltz* 

 Using Survival Analysis with Secondary Administrative Data: A Conceptual Introduction Amanda K. Gatewood

- Comparing Mixed-Effects Poisson, Zero Inflated and Hurdle Models for Analyzing Longitudinal Count Data with Many Zeros Yage Guo, Lorey A Wheeler
- Applying Video-Based Signal Processing in Developmental Science: A Pediatric Sleep Example
   A.J. Schwichtenberg, Jeehyun Choe, Pearlynne Chong, Ashleigh Kellerman, Emily Abel, Edward Delp
- Infant Temperament and Early Childhood Behavior Problems: Variation in Effects by Family Socioeconomic Status Christina M Padilla, Caitlin Hines, Rebecca Ryan

(Event 1-010) Paper Symposium Room: Tempe (Doubletree Hilton) Thursday, 3:00pm-4:30pm

1-010. Neighborhood Geocoding

Chair: Colter Mitchell

- Increasing parks and recreation spending to reduce county low birth weight incidence: Evidence from national birth records
   David Stuart Curtis, Thomas E Fuller-Rowell
- Early Childhood Development: The Role of Neighborhoods Judith Perrigo
- Community Characteristics Help Explain Income Gaps in Achievement Elizabeth Votruba-Drzal, Rebekah Levine Coley, Portia Miller, Bryn Spielvogel
- Using National Survey Data, Administrative Data, and GIS to Determine Community Boundaries Across Cities, Suburbs, and Rural Areas Portia Miller, Elizabeth Votruba-Drzal, Rebekah Levine Coley, Bryn Spielvogel

### Thursday, 4:30pm-6:00pm

(Event 1-011) Special Event Convention Center Lobby (Doubletree Hilton) Thursday, 4:30pm-6:00pm

1-011. Welcome Reception

Please join us in the Conference Center Lobby for networking and the company of other colleagues! Hors d'oeuvres and cash bar will be available.

### Friday, 9:00am-10:30am

(Event 2-001) Poster Session

Room: Fiesta II and III (Doubletree Hilton)

Friday, 9:00am-10:30am

2-001. Poster Session 1 during Breakfast

Visit posters while enjoying a continental breakfast in Fiesta II/III in the Conference Center.

### **Biological Processes**

1 Parental Absence, Household Dynamics, and Child Development: Evidence from the Young Lives Cohort Study Megan Elizabeth Costa, Natalie Desrochers Wilkens

#### Education/Schooling

- 3 The Protective Aspects of Child Care for Children Involved in Child Protective Services for Neglect Kierra MP Sattler
- 4 Subtyping Learning Disabilities Using Data from the Early Childhood Longitudinal Study (ECLS-K: 2011)

  Laura Rhinehart
- 5 How does the expansion of charter and magnet school enrollment affect race/ethnicity test score gaps?

  Lorraine Blatt, Elizabeth Votruba-Drzal
- 6 Differing effects of teacher and mother inaccurate beliefs: Evidence from multiple longitudinal datasets *Nicole Sorhagen*
- 8 Nonprofit Organizations and Educational Attainment from Kindergarten to High School Robert W. Ressler
- 9 Examining Reading Growth Profiles across Children of Different Language Backgrounds Using Multilevel Growth Mixture Modeling Tingting Reid
- Skill-Specific Preschool Curriculum Interventions: Examining Treatment Effect Heterogeneity with Distributional Methods Tutrang Nguyen

### Family Dynamics/Parenting

- 12 Self-Regulation Development and Parental Knowledge of Child Development, Family Activities, and Sociodemographic Characteristics Aubrey Wang, Caroline Fitzpatrick
- 13 Patchwork Portrait of Men Partnered with Women Reporting a History of Childhood Sexual Trauma Bharathi J Zvara
- 14 Family Resources for Children's Well-being in the First Five Years of Life Carolin Thoennissen, Sabine Walper, Barbara Wilhelm

- 15 The transition to parenthood: Effects of perinatal risk factors on parents' emotional well-being and their couple relationship

  Sabine Walper, Gabriela Gniewosz, Barbara Wilhelm
- Support for the Maternal-Child Dyad: Association of Children's Externalizing Behavior Disorder and Maternal Mental Health Cary Cain, Dorothy Mandell
- 17 Does Self-Regulation Mediate the Relation between Mealtime Routines and Children's Reading and Math Skills? Cassandra Lynn Simons, Susan Sonnenschein, Shuyan Sun
- 18 Factors Contributing to Continuity and Discontinuity in Parent-Child Relationship Quality across Three Generations

  Sarah E Anderson, Bharathi J Zvara
- 20 The Role of Parent Mediation in Adolescents' Peer Interactions on Social Media Thitirat Sriplo, Marisha Lynnette Humphries
- 21 Cultural variances in parental behaviors and their effects on 3-year-**old children's mastery motivation**Wen Wang, Claire Vallotton
- 22 **Father, Mother and Adolescents' Agreement on** Parental Rejection under Different Cultural Values *Xiaoye Xu, Sonya Xinyue Xiao, Justin Jager*
- 23 Parents' Educational Expectations and Parent-Child Communication in Children's Science Achievement Yue Zhang, Eunjoo Jung
- 36 Longitudinal Links among Early Unmarried Fathering, Later Father-child Relationship Closeness, & Child Externalizing Behavior Kendra Whitfield, Elizabeth Votruba-Drzal

#### Methods

- 24 Analyzing Longitudinal Data Using Natural Cubic Smoothing Splines Katerina M. Marcoulides
- 25 Understanding Parenting through Social Media Data: What are People Tweeting about Breastfeeding? Rebecca Ryan, Pamela Davis-Kean, Zeina Mneimneh, Lisa Singh, Leticia Bode, Christo Kirov
- 34 Making use of largescale naturalistic audio recording: An introductory tutorial on HomeBank and the DARCLE Annotation Scheme\_
  Melanie Soderstrom

#### Miscellaneous/Other

26 Effects of overweight or obesity on brain gray matter volumes of individuals with autism spectrum disorder Chanaka Nadeeshan Kahathuduwa, Rebecca Beights, Blake West, Wonjung Oh, Ann Mastergeorge

27 Children with Neurodevelopmental Disabilities: Identification and Patterns of Health Services Using Canadian Administrative Data Dafna Kohen, Rubab Arim, Anton Miller, Anne Guevremont, Lucy Lach, Jamie Brehaut

### Poverty

- 30 Experiences of poverty in rural and urban areas in developing countries Laura Betancur, Elizabeth Votruba-Drzal, Portia Miller
- 31 Low Income yet Highly Educated: Trajectory and Achievement Differences in Children from Low income, High Education Families

  Lauren Tighe, Pamela Davis-Kean
- 35 Understanding Links Between Income and Behavioral Trajectories from Early Childhood through Adolescence Portia Miller, Elizabeth Votruba-Drzal, Kendra Whitfield, Laura Betancur

#### Substance Use/Risky Behavior

- 32 The Moonlight Effect: Social Relationships and the Potential for Delinquency

  Abigail Brittany Williams-Butler
- 33 Early Initiation of Marijuana Use, Human Capital Formation, and Earnings of Young Adults Isabelle Christine Beulayque

#### Friday, 10:30am-10:45am

Convention Center Lobby (Doubletree Hilton) Friday, 10:30am-10:45am

Friday Morning Coffee Break

Enjoy a break in the Convention Center Lobby.

### Friday, 10:45am-12:15pm

(Event 2-002) Paper Symposium Room: Coronado (Doubletree Hilton) Friday, 10:45am-12:15pm

2-002. Replication Chair: *Colter Mitchell* 

- Does preschool impulsivity predict teenage problem behaviors? Looking to longitudinal data for new perspectives on familiar topics Laura Michaelson, Yuko Munakata
- Longer-run Impacts of Head Start: Replications and Extensions Remy Pages, Greg Duncan, Drew Bailey

- A Meta-Analysis on the Relation Between Reading and Working Memory: A Developmental Model Peng Peng
- Exploring heterogeneity in meta-analysis, using insights from machine learning Caspar J. van Lissa

(Event 2-003) Paper Symposium Room: Redrock (Doubletree Hilton) Friday, 10:45am-12:15pm

2-003. Growing Up Social: Investigations with Old and New Data Sources

Chair: Adriene Beltz

- Impact of Infant Sustained Attention and Parental Supportiveness on Cognition and Communication in a Low-Income Sample Patricia J. Brooks, Teresa M. Ober
- Parenting Information on Autism and Vaccinations on Twitter
   Rebecca Ryan, Leticia Bode, Pamela Davis-Kean, Lisa Singh, Zeina Mneimneh, Christo Kirov
- Siblings' Shared Interests on Twitter: A Case of Selecting a Sample of Dyads from Big Social Media Data Xiaoran Sun, Guangqing Chi, Junjun Yin, Susan M. McHale
- Age Differences in Big Five Characteristics across Varying Test Lengths
   William J Chopik, Christopher D Nye, M. Brent Donnellan

(Event 2-004) Paper Symposium Room: Tempe (Doubletree Hilton) Friday, 10:45am-12:15pm

2-004. Insights into Civic Engagement From Multiple Data Sources

Chair: Pamela Davis-Kean

- Developmental Contexts in the Political/Civic Action Pathways of Latinx and Black American Young People Josefina Banales, Channing Mathews, Noorya Hayat, Nkemka Anyiwo, Matthew A Diemer
- Developmental Contexts and Societal Beliefs that Promote Youth Critical Action and Activist Identity Aixa Marchand, Nkemka Anyiwo, Matthew A Diemer
- Civic Engagement in the Developmental Contexts of Youth Bullying and Discrimination: Taking Back their Power

Jessica L Ross, Wen Wen Chong, Carolyn Elizabeth Barber

Developmental Contexts and Processes in Adolescents'
Civic Engagement: Person-Centered Analysis of
International Data
Judith Torney-Purta, Frank Reichert, Susan Jekielek

 Children's Working Memory Development during School Year and Summer Months: A Nationally-Representative Sample Jenna Elizabeth Finch

### Friday, 12:15pm-1:15pm

Convention Center Lobby (Doubletree Hilton) Friday, 12:15pm-1:15pm

Friday Lunch

Lunch is available in the Conference Center Lobby.

#### Friday, 12:30pm-1:00pm

(Event 2-004.5) Special Event Room: Redrock (Doubletree Hilton)

Friday, 12:30pm-1:00pm

2-004.5. NIH Funding Opportunities and Clinical Trials Speaker: *Rebecca L. Clark* 

Rebecca L. Clark, from NICHD, will discuss funding opportunities with the Population and Dynamics Branch as well as clinical trials at NIH. Grab a bagged lunch in the Conference Center Lobby and join others for this informative lunch session in the Redrock Room.

### Friday, 1:15pm-2:45pm

(Event 2-005) Paper Symposium Room: Coronado (Doubletree Hilton)

Friday, 1:15pm-2:45pm

2-005. A Focus on Executive Function Chair: *Pamela Davis-Kean* 

- Executive Function and Academic Achievement: Longitudinal Relations from Early Childhood to Adolescence
   Sammy Ahmed, Sandra Tang, Nicholas Waters, Pamela Davis-Kean
- Executive Function, Self-Regulation, Parental Knowledge of Child Development and Kindergarten Mathematics Knowledge and Skills Aubrey Wang
- Maternal Sensitivity and Unfocused Play in Early Childhood: Changes and Test of Bidirectional Association Anne Schutte, Yinbo Wu

(Event 2-006) Paper Symposium Room: Redrock (Doubletree Hilton)

Friday, 1:15pm-2:45pm

2-006. Exploring Neighborhood and Community

Effects via Secondary Data

Chair: Justin Jager

- The Opportunity Index: A School-Level, Data-Driven Tool for Assessing Neighborhood Factors associated with Student Outcomes Nancy E. Hill, Daniel T. O'Brien, Mariah Contreras, Eleanor Laurens, Colin Rose
- Neighborhood Conditions and Child Behavioral Adjustment in Latino Families Henry Gonzalez, Jose Rodas
- Secondary Analysis of Cultural Data to Investigate Child Development in the Context of Globalization Mary Gauvain, Robert Lee Munroe

(Event 2-007) Paper Symposium Room: Tempe (Doubletree Hilton)

Friday, 1:15pm-2:45pm

2-007. Insights from Shared and Open Data in Developmental Neuroimaging Research Chair: Adriene Beltz

Chair. Auriene bertz

- Examining the Neural and Behavioral Correlates of Young Children's Response Inhibition
   Jennie Grammer, Keye Xu, Matthew H Kim, Chad Hazlett, Fred Morrison, William Gehring
- Effects of overweight or obesity on resting state functional connectivity of brains of children with autism spectrum disorder
   Chanaka Nadeeshan Kahathuduwa, Rebecca Beights, Blake West, Wonjung Oh, Ann Mastergeorge
- Comments and Future Directions on Open fMRI Data Analysis Adriene Beltz

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Friday, 2:45pm-3:00pm

Convention Center Lobby (Doubletree Hilton) Friday, 2:45pm-3:00pm

Friday Afternoon Refreshment Break

Enjoy a break in the Convention Center Lobby.

#### Friday, 3:00pm-4:30pm

(Event 2-008) Invited Symposium Room: Coronado (Doubletree Hilton) Friday, 3:00pm-4:30pm

2-008. Open Developmental Science

Chair: Pamela Davis-Kean

- The Promise of Open Developmental Science Rick O. Gilmore
- An analysis of the association between brain gray matter volumes and working memory in children with autism spectrum disorder Rebecca Beights, Chanaka Nadeeshan Kahathuduwa, Wonjung Oh, Ann Mastergeorge
- ManyBabies Using Larg(er) Experimental Datasets for Methodological and Theoretical Questions Melissa Kline

Integrative Statement: Dr. Rick Gilmore will lead a symposium on the value of an open science approach to developmental research. Drawing from the movement in psychological science more broadly, he will discuss the current state of available tools for facilitating transparent and reproducible work in developmental science and highlight opportunities and a vision for the future. Next, two research teams will share research that actualizes the promise of an open science approach to developmental science. Rebecca Beights and colleagues utilize data from the open Autism Brain Imaging Data Exchange (ABIDE) II initiative to examine the link between structural brain volume and working memory in children and adolescents with and without autism spectrum disorder. Dr. Melissa Kline with colleagues from the ManyBabies Consortium present data from a replication of infant directed speech experiments across over 60 labs, aiming to get an accurate estimate of effects and to examine how testing practices influence results.

(Event 2-009) Paper Symposium Room: Redrock (Doubletree Hilton)

Friday, 3:00pm-4:30pm

2-009. Using Secondary Data to Identify Educational Outcomes among Special Populations

Chair: Justin Jager

- What Happens to Students in Special Education? Academic Achievement and Behavioral Adjustment Following Identification Adrienne D Woods
- Measurement Invariance of Foundational Learning Skills in Kindergarten Boys With and Without Autism: A Secondary Data Analysis Nicole Sparapani, Natalie A Koziol, Bonnie Mackintosh
- Teachers' Perceptions of Academic Intrinsic Motivation for Students with Disabilities Johny Daniel, North Cooc
- Parenting practices and differential developmental delay across 17 countries Carmel Salhi, Elizabeth Beatriz, Ryan McBain, Dana McCoy, Guenther Fink, Margaret Sheridan

(Event 2-010) Paper Symposium Room: Tempe (Doubletree Hilton)

Friday, 3:00pm-4:30pm

2-010. Utilizing Multiple Data Sets Chair: Colter Mitchell

- Mothers' & Fathers' Contributions to Infant Language Development: Evidence from Small-Scale Studies and Secondary Data Kelsey Garcia, Natasha Cabrera, Estefany Araniva, Jerry
- Using four large national data sets to classify risk profiles groups and profile stability across the first three years of Lisa J. Schlueter, Julia Dmitrieva, Allison McVey, Sarah Enos Watamura
- Stress and social support in low-income families with young children: Research from small and large-scale data Catherine E Kuhns, Natasha Cabrera
- Studying Equity Issues through Secondary Data Analysis: Lessons Learned using Datasets Large and Small Luke J. Rapa, Faiza M. Jamil

### Friday, 4:45pm-6:15pm

(Event 2-011) Interactive Poster Session Room: Fiesta II and III (Doubletree Hilton) Friday, 4:45pm-6:15pm

2-011. Interactive Poster Session and Reception

Have you ever considered using secondary or open source data before? If so, this session is for you! It is comprised of individually submitted posters that address the following: What is the research question you wish to answer? How is your ability to answer this research question limited by the data resources currently available to you? How would you like to use secondary data or open source data in your research specifically? Experts at the meeting will provide feedback and guidance, with an aim of identifying secondary or open source data that could be used to address your research question.

Please join us for a lively discussion which will be accompanied by hors d'oeuvres and a cash bar.

- Are temperamental and genotypic markers of environmental sensitivity related?
   Ana Catarina Canario, Orlanda Cruz
- 3 Studying Child Care and Early Education: Data for Secondary Analysis\_ Susan Jekielek
- 4 Using repeated measures and geographic data to understand multiple contexts of development Andrea Kinghorn Busby
- 5 Using Secondary Data to Find and Track Vulnerable Mothers' in the Hospital Haystack Ashley A Ricker, Jennifer Hahn-Holbrook, Ilia Rolon, Margarita McCullough, Christina Luarca
- On't you want your child back?! Untangling the psychosocial influences on parental engagement in child welfare interventions

  Brittany Paige Mihalec-Adkins
- 7 Exploring Longitudinal Associations Between Disaggregation of Theory of Mind Dimensions and Children's Symptoms of Psychopathology Grace Binion
- 8 Time Use in Mexican-Origin Families Jenny Padilla, Kimberly Updegraff
- 9 The Need for a Diverse Audiovisual Corpus of Infant-Directed Behavior Jessica Elizabeth Kosie, Dare Baldwin
- Measurement of Maltreatment and Rates Intergenerational Maltreatment Transmission in a Low-Income Adolescent Sample Jennifer Margaret Warmingham, Fred A Rogosch, Dante Cicchetti

- 11 Large collaborations in experimental psychology -ManyBabies and the Psychological Science Accelerator\_ Melissa Kline, Melanie Soderstrom, Christopher R Chartier
- 12 The Child Development Supplement and Transition into Adulthood Supplement to the Panel Study of Income Dynamics\_
  Paula Fomby
- 13 The Application of Owlet Smart Sock to Monitor Sleep Patterns in At-risk Infants Payal Khosla, Bianca Demara, Jamie O. Edgin
- 15 The EAMMi2: Accessing Secondary Data for Research and Teaching Emerging Adulthood\_
  Caitlin Faas, Jon Grahe
- 16 Supporting Your Data Re-Use: The National Addiction and HIV Data Archive Program\_ Amy Pienta, Kaye Marz
- 17 Multidimensional Trajectories of Resilience in Young Adulthood Chanler Hilley
- 18 Fragile Families and Child Wellbeing\_ Colter Mitchell
- 19 National Study of Adolescent to Adult Health\_ Colter Mitchell
- 20 Health and Retirement Study\_ Colter Mitchell, Jessica Faul
- 21 Sharing Nicely with Others: Moving Developmental Scientists Toward Open Data Sharing\_ Joy L Kennedy, Rick O. Gilmore, Karen A. Adolph
- 22 Growing Up in Poverty: Leveraging Statewide Linked Administrative Data to Examine Long-Term College and Workforce Outcomes Angela Henneberger, Bess Rose, Dawnsha Mushonga
- 23 Development as an extinction process for interventions in low income children at risk of not reaching their potential

  Juan José Giraldo-Huertas, Graham Schafer
- 24 An Open-Source Assessment Tool for Evaluating Growth in Expressive Vocabulary

  Monique Mills, Jamie Mahurin-Smith
- 25 The impact of public investments in infant-toddler child care Olivia Healy

Thank you to our sponsor of this session:



### Saturday, 9:00am-10:30am

(Event 3-001) Poster Session

Room: Fiesta II and III (Doubletree Hilton)

Saturday, 9:00am-10:30am

3-001. Poster Session 2 during Breakfast

Visit posters while enjoying a continental breakfast in Fiesta II/III in the Conference Center.

### **Biological Processes**

1 Identifying Risk for Autism Spectrum Disorder Using Newborn Hearing Screening Christine Delgado, Elizabeth Simpson, Oren Miron, Anibal Gutierrez, Jillian Gerstenberger, Rafael Delgado, Isaac Kohane

#### Education/Schooling

- 2 Do School Connection and Engagement Protect against Cognitive Functioning Deficits for Adolescents Experiencing Emotional Neglect? Brittany Paige Mihalec-Adkins, Amanda Warnock, Sharon L. Christ
- 3 Examination of the impact of early speech-language pathologies on later learning using a Canadian province's educational databases

  Chantal Labonté, Ryan Kirkpatrick, Scott Davies, Eric Duku, Magdalena Janus
- 5 Learning Disabilities and Social Competence on Academic Achievement Dina Naji, Sarah Kuang, Susan Sy
- 6 Links Among Early Childhood Education Factors and Parent Engagement Practices in Two Contexts Katherine Paschall, Ann Mastergeorge, Melissa Barnett, Christina Cutshaw
- 7 Longitudinal Relations Between Schoolwork-Related Task Values and Performance Among Three Cohorts of Children and Adolescents Bora Lee
- 8 Revisiting a meta-analysis of caregiver training studies: Which factors moderate training effectiveness? Caspar J. van Lissa
- The effect of question type on sex differences in mathematics for 11th and 12th graders: a meta-analysis replication and extension Dominic Kelly, Melissa Hines
- The Effects of the College Experience on Trajectories of Civic Engagement Erin Hilary Arruda, Laura Wray-Lake
- 26 Children's well-being across the transition from elementary school to secondary school: Evidence from the German Family Panel Philipp Alt, Sabine Walper, Gabriela Gniewosz

### Family Dynamics/Parenting

- 12 Are the grandkids all right? Using secondary analysis for hard-to-find participants Cheryl Kier, Tak Fung
- 13 Using Administrative Data to Study a Population Based Parenting Intervention

  Dafna Kohen, Rubab Arim, Susan Dahinten
- 15 **"Spank, Smack, & Whoop": A Qualitative Analysis of**Stay-At-**Home Mothers' and** Stay-At-**Home Fathers'**Spanking Tweets
  Joyce Y. Lee, Andy C. Grogan-Kaylor, Shawna J. Lee,
  Tawfig Ammari, Pamela Davis-Kean
- Agreement between Adolescent and Parent Reports of Adolescents' Suicidal Thoughts in the Philadelphia Neurodevelopmental Cohort Jason Jones, Rhonda C. Boyd, Monica E. Calkins, Annisa Ahmed, Ran Barzilay, Tami D. Benton, Raquel E. Gur
- 17 Constructive and destructive interparental conflict, parenting, and coparenting alliance Olena Kopystynska, Melissa Barnett, Melissa Curran, Xiaomin Li
- 18 Creciendo En Mi Barrio: Understanding the Role of Neighborhood Quality in the Well-Being of Children in Latino Families

  Henry Gonzalez
- 19 How Does Father Affect Child's Social Competence? Hyerim Shin
- 21 Predicting Parent-Child Participation in Out-of-Home Enrichment Activities Melissa Washington-Nortey
- 22 The Relation Between Parental Status, Health Insurance Coverage, and Health Care Utilization: A Latent Class Analysis Ashley Marie Ebbert, Jenna Rudo-Stern, Holly P. O'Rourke, Daisy E. Camacho-Thompson
- 24 Using the CHILDES database to evaluate the impact of conversational overlap on child language development *Elizabeth S. Che, Maria F. Alarcon, Patricia J. Brooks*
- 25 Options for Family Research with Scientific Use Data: The German Family Panel pairfam Sabine Walper, Barbara Wilhelm, Carolin Thoennissen

#### Methods

- 27 An Evaluation of the Alignment Method for Testing Measurement Invariance With Secondary Data and Complex Sampling Designs Natalie A Koziol
- 28 What are Parents Talking about on Social Media? A Topic-modeling Approach to Analyzing Twitter Data Rebecca Ryan, Lisa Singh, Leticia Bode, Pamela Davis-Kean, Rob Churchill, Zeina Mneimneh

#### Miscellaneous/Other

- 29 Beyond family characteristics: Effectiveness of a home visiting program to stimulate child development Tatiana Plata-Caviedes
- 30 Developmental trajectories of birth-related factors and children's psychological health: A population-level linkage study
  Scott Emerson, Martin Guhn, Dorri Mahdaviani, Anne Gadermann
- 31 Identity Development and Self-Other Agreement on Personality Traits: A Pre-registered Longitudinal Secondary Data Analysis Ummul-Kiram Kathawalla, Moin Syed
- 33 The association between maternal report of antiepileptic drug use during pregnancy and offspring neurodevelopmental problems

  Kelsey Wiggs, Martin Rickert, Ayesha Sujan, Paul Lichtenstein, Henrik Larsson, Sara Oberg, Brian D'Onofrio

#### Poverty

- 14 Using Canadian Linked Administrative Health Data to Examine Health Disparities for Aboriginal and non-Aboriginal Children Dafna Kohen, Evelyne Bougie, Gisele Carriere, Anne Guevremont
- 34 Early Childhood WIC Use and Cognitive and Behavioral Outcomes at School Entry Caitlin Hines, Rebecca Ryan
- 35 Population-level SES and child development: Using Latent Profile Analysis to identify "off-diagonal" neighbourhoods

  Eric Duku, Magdalena Janus, Simon Webb, Caroline Reid-Westoby, Barry Forer, Martin Guhn, Marni Brownell, Nazeem Muhajarine
- 36 Risk Factors for Neglectful Parenting Among Families in Poverty

  \*Kierra MP Sattler\*

#### Substance Use/Risky Behavior

37 A qualitative exploration of risk factors that impact newcomer immigrant adolescents' psychosocial development Sarah Tilzey, Mercedes Palacios, Julia Kline, Sita G. Patel

### Saturday, 10:30am-10:45am

Convention Center Lobby (Doubletree Hilton) Saturday, 10:30am-10:45am

Saturday Morning Coffee Break

Enjoy a break in the Convention Center Lobby.

Saturday, 10:45am-12:15pm

(Event 3-002) Invited Symposium Room: Coronado (Doubletree Hilton) Saturday, 10:45am-12:15pm

3-002. ABCD Study Chair: *Adriene Beltz* 

- ABCD & The Open Science Model Terry Jernigan
- Brain Function in the Pre-Adolescent Brain: Results from the ABCD Study Hugh Garavan
- ABCD Data Exploration and Analysis Portal: Enabling Open and Reproducible Science Wesley Thompson

Integrative Statement: The Adolescent Brain Cognitive Development (ABCD) Study is a large-scale, multi-site study of health and behavior focusing on the developing brain, and on factors that influence adolescent trajectories of cognitive, intellectual, and social-emotional development. The goal is to enroll well over 10,000 children at 9 or 10 years of age, at 21 sites nationwide, and follow them for 10 years. The ABCD consortium has embraced an open-science model and an aggressive timeline for sharing, not only the terabytes of data collected, but the computational workflows used to produce them, and some novel computational tools that the scientific community can use to explore and model them. Three members of the ABCD team will provide additional information about the ABCD Resource: Terry Jernigan, Co-Director of the Coordinating Center, will give an overview of the ABCD study, the cohort and data collected, and the data sharing policies and timelines; Hugh Garavan, Associate Director of the Coordinating Center and U. Vermont site PI, will describe in more detail the functional imaging data and some early results emerging from the study; and Wes Thompson, Associate Director for Biostatistics (of the ABCD Data Analysis and Informatics Center) will describe a powerful new tool under development in ABCD to help users to optimize their analyses of ABCD data.

(Event 3-003) Paper Symposium Room: Redrock (Doubletree Hilton) Saturday, 10:45am-12:15pm

3-003. Studying Biosocial Developmental Processes with Secondary and Administrative Data Chair: *Colter Mitchell* 

- Associations of childhood obesity with health and academic outcomes in childhood and adolescence: A population-based linkage study
   Anne Gadermann, Scott Emerson, Lisa Chen, Monique Gagne, Martin Guhn
- Recommendations for assessing differential susceptibility with secondary data
   Peter Sheldon Rankin, Mark Western, Michele Haynes, Karen Thorpe
- Two-part model: Finding risk/protective factors for the prevalence and severity of adolescents' externalizing behavior problems Jin-kyung Lee, Sarah Schoppe-Sullivan
- The role of center-based care programs as determinants of body mass index variations in early childhood Marigen Narea, Kasim Allel

(Event 3-004) Paper Symposium Room: Tempe (Doubletree Hilton) Saturday, 10:45am-12:15pm

3-004. Studying the Prenatal and Neonatal Environments and their Effects on Development Using Secondary data
Chair: Justin Jager

- When policies stigmatize: Bans of Sharia law and newborn sex ratio for Muslim mothers Joshua Rivenbark
- Neonatal Health, Birth Weight, and Early Childhood Cognitive Outcomes: Variation in Effects by Socioeconomic Status Caitlin Hines, Christina M Padilla, Rebecca Ryan
- Maternal opioid analgesic use during pregnancy and adverse birth outcomes
   Ayesha Sujan, Patrick Quinn, Martin Rickert, Kelsey Wiggs, Paul Lichtenstein, Henrik Larsson, Sara Oberg, Brian D'Onofrio

Saturday, 12:15pm-1:15pm

Convention Center Lobby (Doubletree Hilton) Saturday, 12:15pm-1:15pm

Saturday Lunch

Lunch is available in the Conference Center Lobby.

#### Saturday, 1:15pm-2:45pm

(Event 3-005) Invited Symposium Room: Coronado (Doubletree Hilton) Saturday, 1:15pm-2:45pm

3-005. Genomics and Development Across the Life Course

Chair: Colter Mitchell

- Lifecourse Gene-Environment Interaction Kathleen Harris
- Genetic and Environmental Influences on Broad Psychopathology Across the Lifecourse Arianna Gard
- Copy Number Variation as a Source of Genetic Variation and Child Behavior in the Fragile Families and Child Wellbeing Study
   Kalsea J. Koss, Lisa Schneper, Colter Mitchell, Jeanne Brooks-Gunn, Sara McLanahan, Daniel Notterman

(Event 3-006) Paper Symposium Room: Redrock (Doubletree Hilton) Saturday, 1:15pm-2:45pm

3-006. Program Evaluation and Identifying Intervention Targets via Secondary Data Chair: *Justin Jager* 

- Variation in Head Start program effects on parents' cognitive stimulation and socioemotional interactions with children
   Christina M Padilla
- Effects of Variation in Length of Stay in a Residential Job Training Program on Developmental Outcomes of Vulnerable Youth Youngjo Im
- Using Propensity Score Methods with Statewide Administrative Data to Inform Education and Workforce Policy in Maryland Angela Henneberger
- Getting In: The Effect of Early Intervention on Later School Selection Tyler Watts, Deanna A. Ibrahim, Alaa Khadar, Jill Gandhi, C. Cybele Raver

(Event 3-007) Paper Symposium Room: Tempe (Doubletree Hilton) Saturday, 1:15pm-2:45pm

3-007. Children from At-Risk Home Contexts

Chair: Pamela Davis-Kean

- The Cross-Lagged Effects of Mothers, Fathers, and Children on Aggressive Behavior Over Time in Resident and Nonresident Families
   Avery Hennigar, Natasha Cabrera, Ui Jeong Moon
- Using Linked Administrative Data to Investigate
   Developmental Vulnerabilities in Children of Criminally
   Convicted Parents
   Megan F Bell, Donna M Bayliss, Rebecca Glauert, Jeneva
   L Ohan
- Latent profiles of child health and wellbeing in the context of maternal depression
   Sarah J Dow-Fleisner
- Developmental linkages among teenage parents' interpersonal relationships, parenting behaviors, and children's mental health Caroline Frances Dorothy Black

### Saturday, 2:45pm-3:00pm

Convention Center Lobby (Doubletree Hilton) Saturday, 2:45pm-3:00pm

Saturday Afternoon Refreshment Break

Enjoy a break in the Convention Center Lobby.

### Saturday, 3:00pm-4:30pm

(Event 3-008) Keynote Address Room: Fiesta I (Doubletree Hilton) Saturday, 3:00pm-4:30pm

3-008. How Data Sharing Succeeded in Neuroimaging

Chair: *Pamela Davis-Kean* Speaker: *Russell A. Poldrack* 

Integrative Statement: The sharing of data has become a central goal in many areas of science, but some areas have been more successful than others. I will discuss the collective journey towards open data sharing that has happened in the neuroimaging community over the last two decades, which has now led to fairly widespread sharing and re-use of imaging datasets. I will focus on two sets of factors that have been central to this journey: incentives to share data, and infrastructure to facilitate data sharing.

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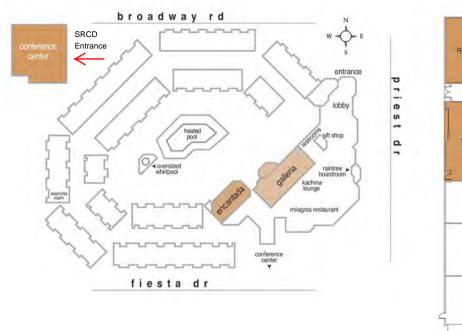
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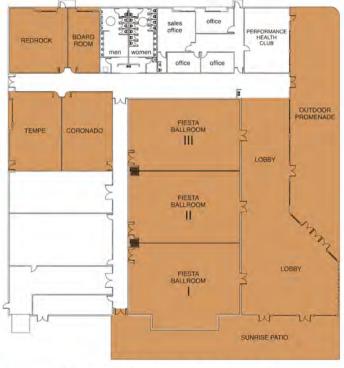
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